LAX APR 13

PROJECT ID: 5020-05-71
WITH: N/A

COUNTY: JUNEAU

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 306

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5020-05-71	WISC 2013073	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

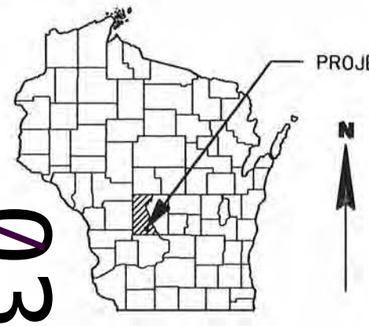
STH 58/82 REDESIGNATION, MAUSTON

(STH 82 EAST TO USH 12)

STH 58

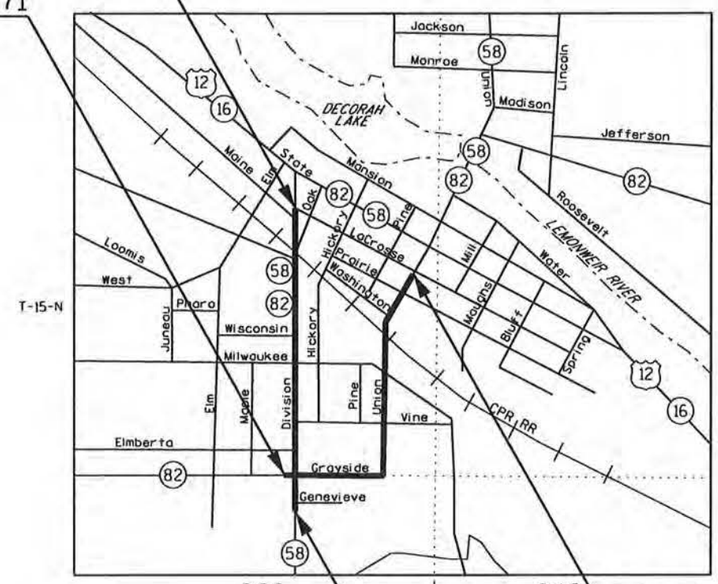
JUNEAU COUNTY

STATE PROJECT NUMBER
5020-05-71



END CONSTRUCTION 5020-05-71
STA. 532+75.98

BEGIN PROJECT 5020-05-71
STA. 136+78.57
Y = 153,995.94
X = 462,456.23



END PROJECT 5020-05-71
STA. 167+80.00

BEGIN CONSTRUCTION 5020-05-71
STA. 500+94.00
Y = 153,391.33
X = 462,719.84

LAYOUT
SCALE 0 0.25 MI.

TOTAL NET LENGTH OF CENTERLINE 5020-05-71 = 0.587 MI.

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Juneau County.

DESIGN DESIGNATION

A.A.D.T. (2013)	=	7,300
A.A.D.T. (2033)	=	9,340
D.H.V. (2033)	=	1,285
D.	=	59/41
T.	=	6.9%
DESIGN SPEED	=	30 mph
ESALS	=	2,657,200

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA
- EDGE OF STREAM
- RAILROAD
- FENCE

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

ACCEPTED FOR

CITY of MAUSTON

10/30/12 (Date) Brian G. Huibregtse (Mayor)

ORIGINAL PLANS PREPARED BY:

MSA PROFESSIONAL SERVICES
TRANSPORTATION · MUNICIPAL · REDEVELOPMENT · DEVELOPMENT · ENVIRONMENTAL
2901 International Lane, Suite 300 Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

WISCONSIN BRIAN G. HUIBREGTSE E-40465 MADISON WI PROFESSIONAL ENGINEER

10-29-12 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA Professional Services, Inc.
Designer	MSA Professional Services, Inc.
Project Manager	J. Krachey
Regional Examiner	J. Krachey
Regional Supervisor	D. Winger
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 10/30/12 Deron J. Winger (Signature)

E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Planshts\Title Section\5020-05-71 Title Sheet.dgn PLOT BY : bhuibregtse PLOT NAME : 678500lts.dgn ORG DATE : 10-01-08 Originator : MSA PLOT SCALE : 1:20000

WISDOT/CADDS SHEET 10

5020-05-71 Title Sheet.dgn 10/29/2012 1:05:13 PM bhuibregtse

2

GENERAL NOTES

INLET OFFSETS GIVEN TO THE CENTER OF STRUCTURE.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE FLAG OF THE CURB.

THE LIMITS OF PAVEMENT REMOVAL ON SIDE STREETS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

ALL CONCRETE DRIVEWAYS AND SIDEWALKS ACROSS DRIVEWAYS WILL BE 7" THICK AND WILL BE PAID FOR AS A CONCRETE DRIVEWAY.

NO SHRUBS OR TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

ALL CURB & GUTTER RADII ARE MEASURED TO THE FACE OF CURB.

CURB & GUTTER PLAN GRADES ARE AT THE FLAG LINE UNLESS OTHERWISE NOTED.

EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL SHEETS ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE DEVICE IS NO LONGER NECESSARY.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS AND MAINTAINED AS DETERMINED BY THE ENGINEER.

THE LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS IN THE AREA THAT ARE NOT SHOWN.

SEE SUBSURFACE EXPLORATIONS REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM WISDOT SW PROJECT SECTION, JEREMY KRACHEY, PHONE 608-789-5702.

ALL OPENINGS OR HOLES BELOW SUBGRADE RESULTING FROM REMOVALS OR ABANDONMENTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL INCIDENTAL TO THE REMOVING BID ITEM.

THE EXACT LOCATION OF PRIVATE ENTRANCES AND DRIVEWAYS IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

UNLESS OTHERWISE SHOWN ON THE PLAN, ALL MATCHING DRIVEWAYS AND STREETS SHALL BE SAWCUT. COST OF CUTTING IS TO BE PAID FOR UNDER "SAWING ASPHALT" FOR ASPHALT PAVEMENT OR "SAWING CONCRETE" FOR CONCRETE PAVEMENT.

IF REMOVING CONCRETE STEPS IS NECESSARY, IT WILL BE PAID FOR AS REMOVING CONCRETE SIDEWALK.

6" HMA PAVEMENT TO BE PLACED IN 3 LAYERS. THE 12.5 mm GRADATION MAY BE USED IN ALL LAYERS.
5" ASPHALTIC SURFACE TO BE PLACED IN 2 LAYERS.

HMA PAVEMENT AND ASPHALTIC SURFACE WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

TRANSVERSE CONCRETE JOINT DESIGN AND FIELD LAYOUT TO BE PAID FOR UNDER "CONCRETE PAVEMENT JOINT LAYOUT".

ORDER OF TYPICAL SECTION & DETAIL SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. TYPICAL SECTIONS
4. CONSTRUCTION DETAILS
5. OVERVIEW DETAILS
6. CURB RAMP DETAILS
7. PAVING DETAILS
8. EROSION CONTROL
9. STORM SEWER
10. SANITARY & WATER MAIN
11. PLANTING DETAIL
12. PERMANENT SIGNING
13. PAVEMENT MARKINGS
14. STREET LIGHTING
15. TRAFFIC CONTROL
16. CONTROL POINT TIES
17. ALIGNMENT OVERVIEW

DESIGN CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION
ATTN: JEREMY KRACHEY
SW REGION REPRESENTATIVE
3550 MORMON COULEE ROAD
LACROSSE, WI 54601
PHONE: 608-789-5702
EMAIL: jeremy.krachey@dot.wi.gov

MSA PROFESSIONAL SERVICES
ATTN: BRIAN HUIBREGTSE
2901 INTERNATIONAL LANE SUITE 300
MADISON, WI 53704
PHONE: 608-242-6650
FAX: 608-242-5664
EMAIL: bhuibregtse@msa-ps.com

DEPARTMENT OF NATURAL RESOURCES
ATTN: MARC HERSHFIELD
473 GRIFFITH AVE
WISCONSIN RAPIDS, WI 54494
PHONE: 715-421-7867
EMAIL: marc.hershfield@Wisconsin.gov

STANDARD ABBREVIATIONS

AC	ACRES
AEW	APRON ENDWALL
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
BK	BACK
BLK	BLOCK
BOC	BACK OF CURB
BOW	BACK OF SIDEWALK
BM	BENCHMARK
CL or C/L	CENTERLINE
Δ.	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
CY	CUBIC YARD
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EOP	EDGE OF PAVEMENT
ET AL	AND OTHERS
EXIST or EX.	EXISTING
EW	END WALL
FOC	FACE OF CURB
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
GV	GAS VALVE
HB	HOSE BIB
HERCP	HORIZONTAL ELLIPTICAL CONCRETE PIPE
IN	INCH
INV	INVERT
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LC	LONG CHORD
LCB	LONG CHORD BEARING
LF	LINEAR FEET
LS	LUMP SUM
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
POB	POINT OF BEGINNING
R	RADIUS
RP	RADIUS POINT
R	RANGE
RL or R/L	REFERENCE LINE
REQ'D	REQUIRED
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
S	SOUTH
SB	SOUTHBOUND
SQ	SQUARE
SAN	SANITARY SEWER
STD	STANDARD
STH	STATE TRUNK HIGHWAY
STM	STORM SEWER
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
STR	STRUCTURE
SY	SQUARE YARD
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
T or TN	TOWN
W	WEST
WB	WESTBOUND
WM	WATERMAIN
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

UTILITIES

SANITARY SEWER & WATERMAIN
ATTN: ROB NELSON
1260 NORTH ROAD
MAUSTON, WI 53948
PHONE: 608-847-4070
FAX: 608-847-4870
EMAIL: rnelson@mauston.com

COMMUNICATION/TELEPHONE
FRONTIER COMMUNICATIONS OF WI
ATTN: ROBERT CHURCH
100 COMMUNICATIONS DRIVE
SUN PRAIRIE, WI 53590
PHONE: 608-837-1881
EMAIL: Robert.a.church@ftr.com

ATTN: JERRY MOORE (LOCAL CONTACT)
2222 WEST WISCONSIN STREET
PORTAGE, WI 53901
PHONE: 608-742-9507
EMAIL: Jerald.r.moore@ftr.com

ELECTRIC & GAS
ALLIANT ENERGY
(WISCONSIN POWER & LIGHT)
ATTN: JASON HOGAN
SUITE 1000
4902 NORTH BILTMORE LANE
MADISON, WI 53718
PHONE: 608-395-7395
EMAIL: jasonhogan@alliantenergy.com

ATTN: CHRIS WILHELM (LOCAL CONTACT)
520 COMMERCE AVENUE
BARABOO, WI 53913
PHONE: 608-356-0608
EMAIL: chriswilhem@alliantenergy.com

TELECOMMUNICATIONS
MEDIACOM LLC
ATTN: TIMOTHY D. ORCUTT
3033 ASBURY RD
DUBUQUE, IA 52001
PHONE: 515-249-5848
EMAIL: torcutt@mediacomcc.com

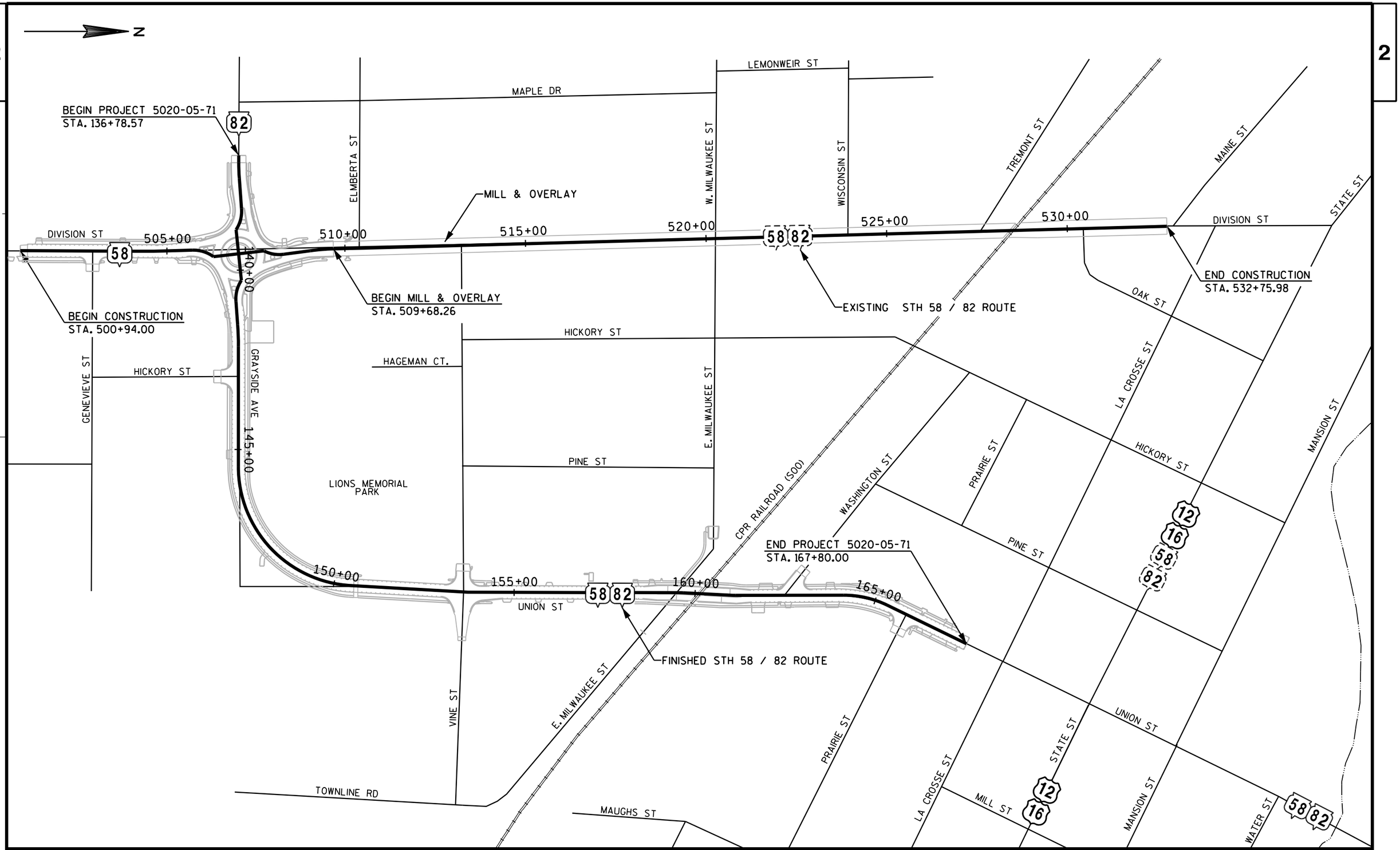
ELECTRIC
AMERICAN TRANSMISSION COMPANY LLC
ATTN: MIKE OLSEN
801 O'KEEFE RD
P.O. BOX 6113
DEPERE, WI 54115-6113
PHONE: 920-338-6582
EMAIL: molsen@atcllc.com

COMMUNICATIONS (FIBER)
LEVEL 3 COMMUNICATION LLC
ATTN: TREVOR PEEVEY
1122 CAPITAL OF TEXAS OF HIGHWAY SOUTH
AUSTIN, TX 78746
PHONE: 512-742-3805
EMAIL:Level3.NetworkRelocations@Level3.com
COORDINATION NECESSARY ONLY IF CONFLICT IS DETERMINED

DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

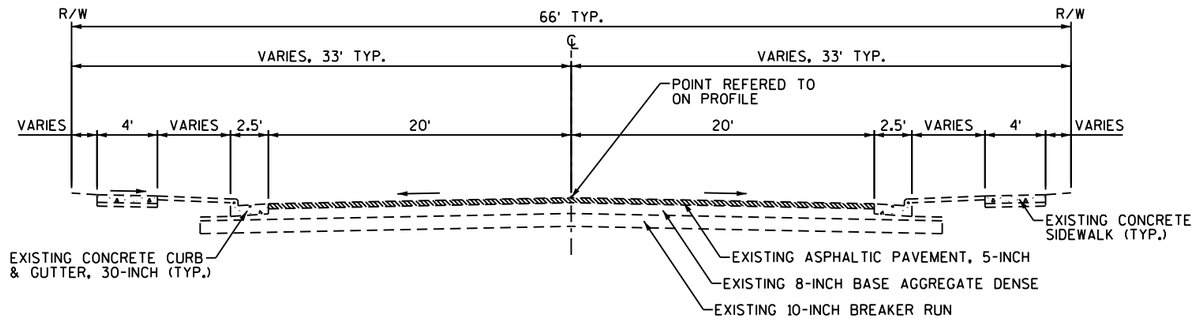
WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY) EMERGENCY NUMBERS:
ELECTRIC: THE 24-HOUR TOLL FREE NUMBER IS 1-800-862-6261
GAS: THE 24-HOUR TOLL FREE NUMBER IS 1-800-862-6263



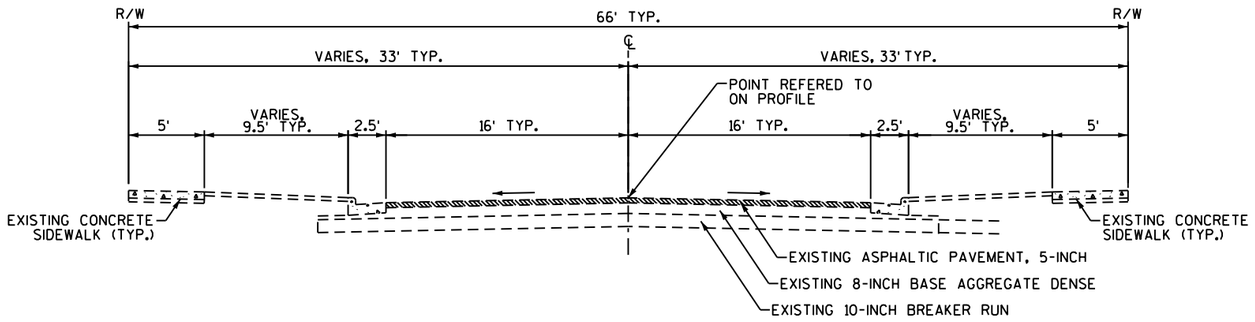
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PROJECT OVERVIEW	SHEET 3	E

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Overview.dgn 2/5/2013 9:19:00 AM bhuibregtse

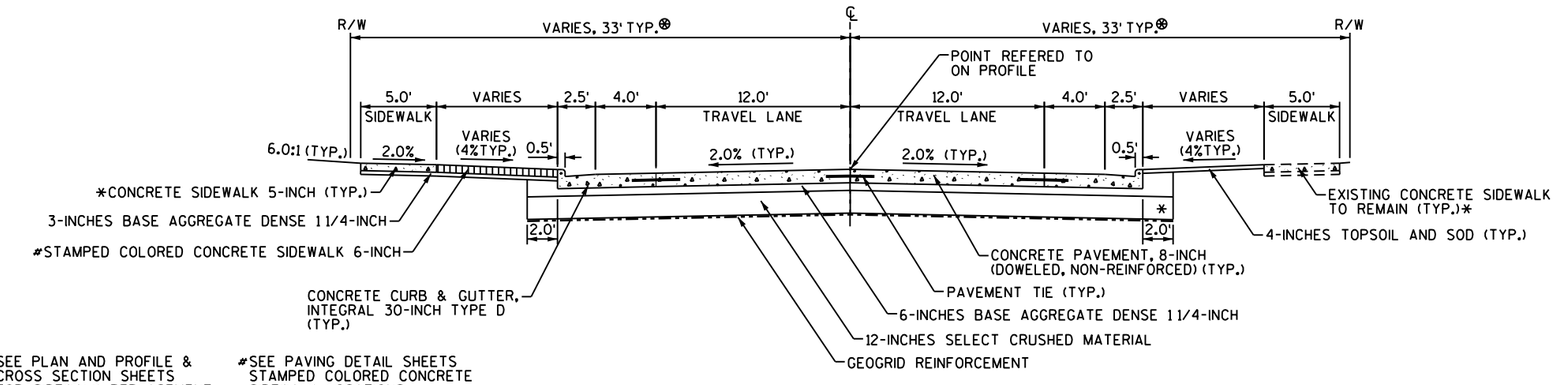


GRAYSIDE AVE/UNION STREET EXISTING TYPICAL SECTION



DIVISION STREET EXISTING TYPICAL SECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EXISTING TYPICAL SECTIONS	SHEET 4	E

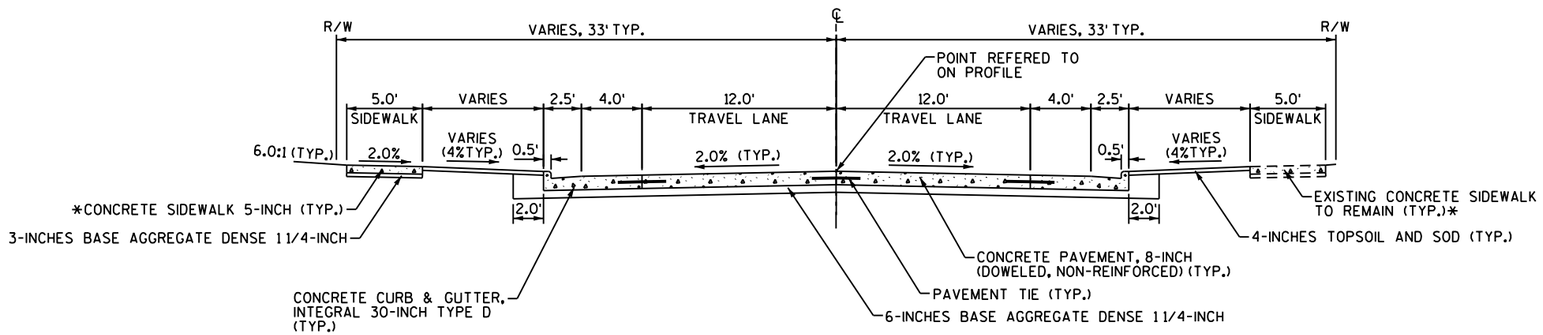


*SEE PLAN AND PROFILE & CROSS SECTION SHEETS FOR SIDEWALK REPLACEMENT LOCATIONS.

#SEE PAVING DETAIL SHEETS STAMPED COLORED CONCRETE SIDEWALK LOCATIONS.

GRAYSIDE AVENUE/UNION STREET (STH 58/82) TYPICAL SECTION

STA. 136+78.57 TO STA. 138+00
(ROUNDABOUT FROM STA. 138+00 TO STA. 141+00)
STA. 141+00 TO STA. 142+00
STA. 146+00 TO STA. 150+00 (⊛ R/W 58' WIDE)

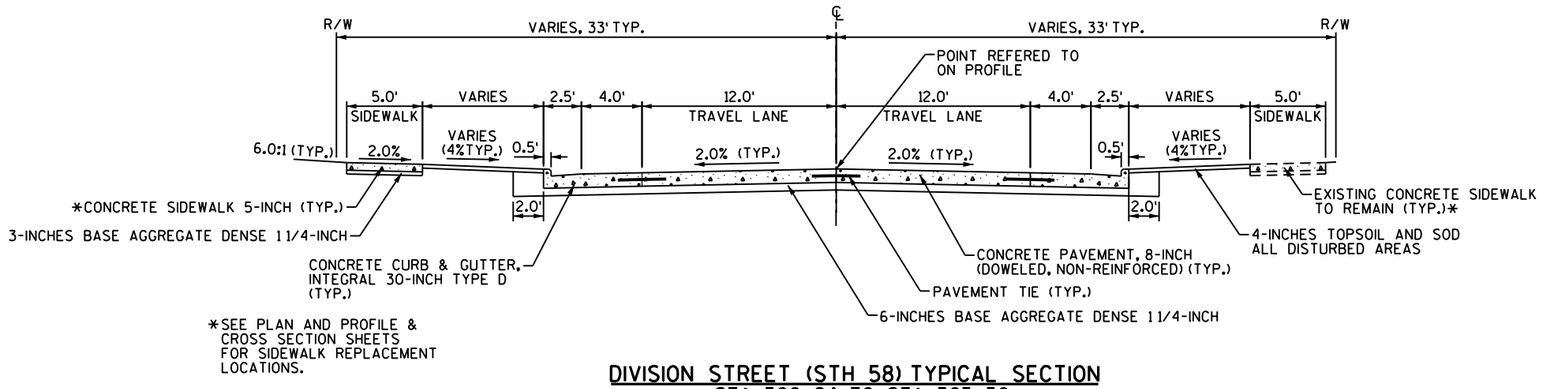


*SEE PLAN AND PROFILE & CROSS SECTION SHEETS FOR SIDEWALK REPLACEMENT LOCATIONS.

GRAYSIDE AVENUE/UNION STREET (STH 58/82) TYPICAL SECTION

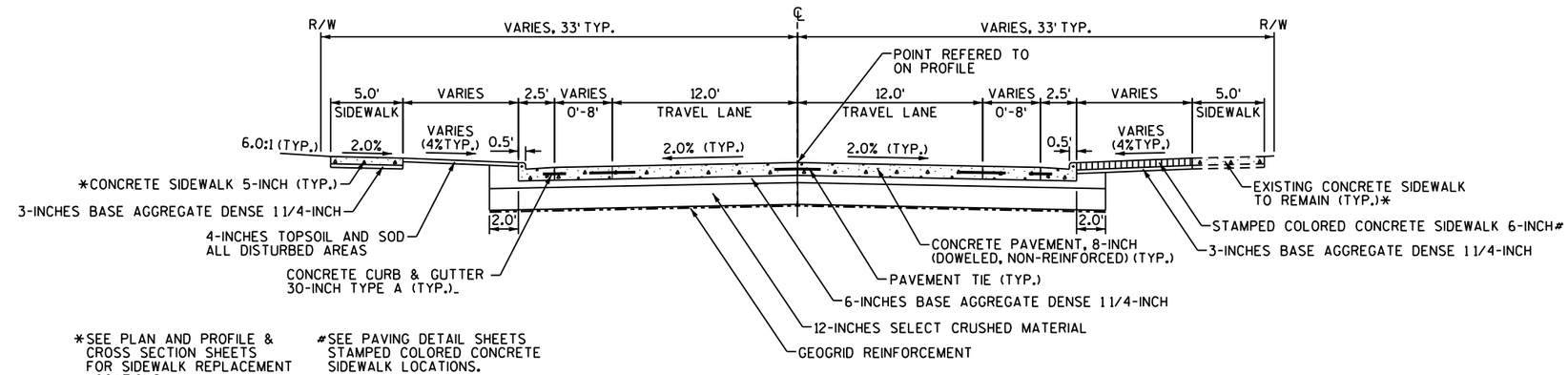
STA. 142+00 TO STA. 146+00
STA. 150+00 TO STA. 167+80
(SEE PAVING DETAIL-RAILROAD CROSSING FOR STA. 158+50 TO STA. 161+50)

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	FINISHED TYPICAL SECTIONS	SHEET 5	E



*SEE PLAN AND PROFILE & CROSS SECTION SHEETS FOR SIDEWALK REPLACEMENT LOCATIONS.

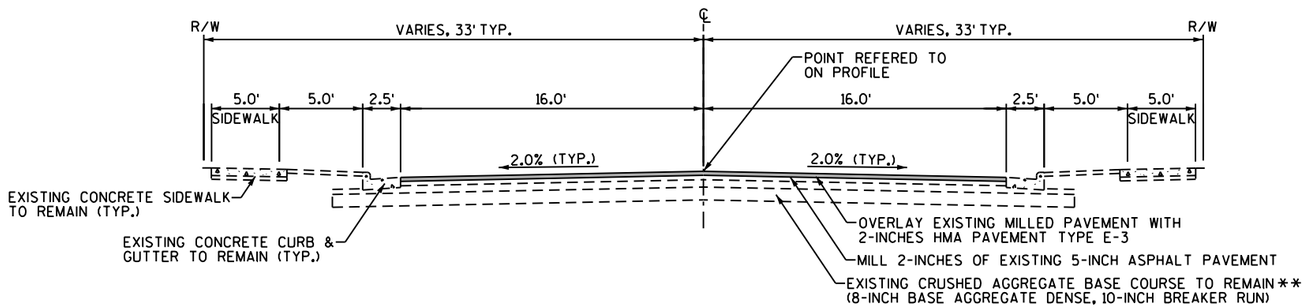
DIVISION STREET (STH 58) TYPICAL SECTION
STA. 500+94 TO STA. 505+50
(ROUNDABOUT FROM STA. 505+50 TO STA. 508+50)



*SEE PLAN AND PROFILE & CROSS SECTION SHEETS FOR SIDEWALK REPLACEMENT LOCATIONS.

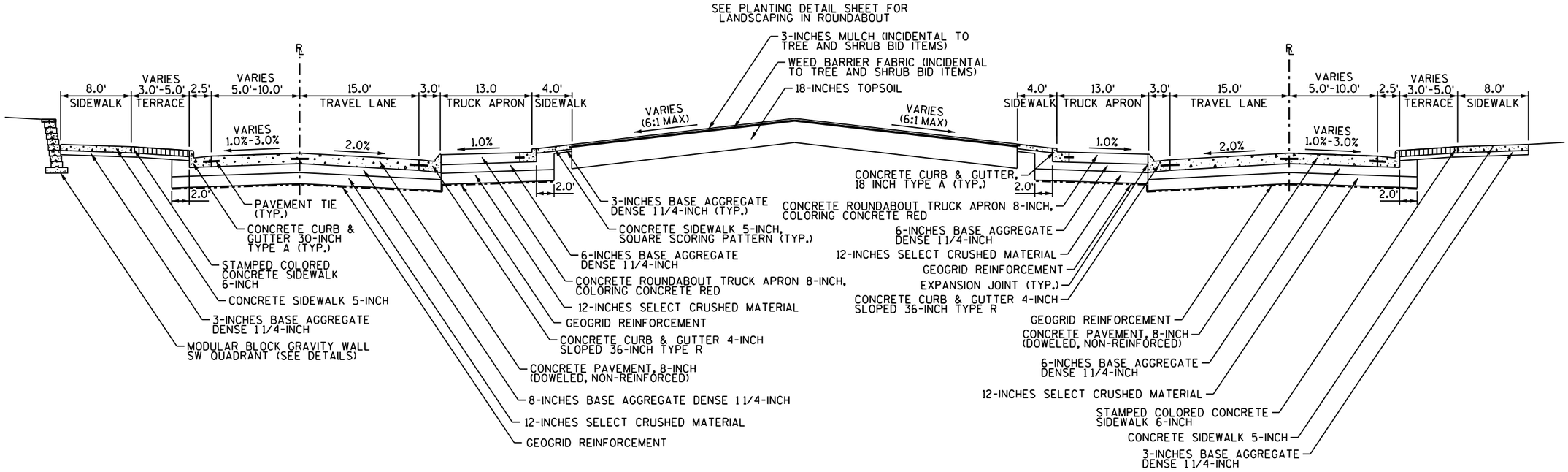
#SEE PAVING DETAIL SHEETS STAMPED COLORED CONCRETE SIDEWALK LOCATIONS.

DIVISION STREET TYPICAL SECTION
STA. 508+50 TO STA. 509+68.26

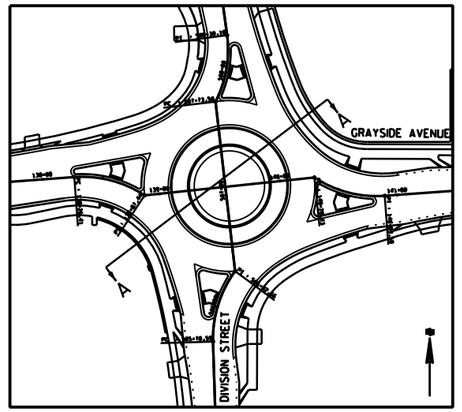


DIVISION STREET TYPICAL SECTION
STA. 509+68.26 TO STA. 532+75.98

**AN UNDISTRIBUTED AMOUNT OF BASE AGGREGATE DENSE 1 1/4-INCH WAS INCLUDED TO REPAIR ANY AREAS THAT NEED TO BE REPLACED AS DIRECTED BY THE ENGINEER.



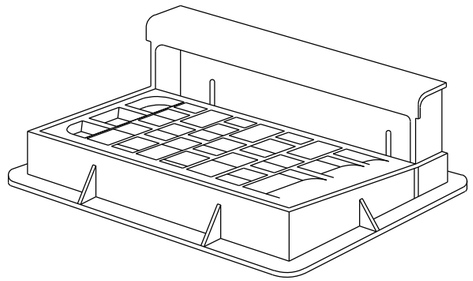
ROUNDABOUT TYPICAL SECTION
SECTION A-A



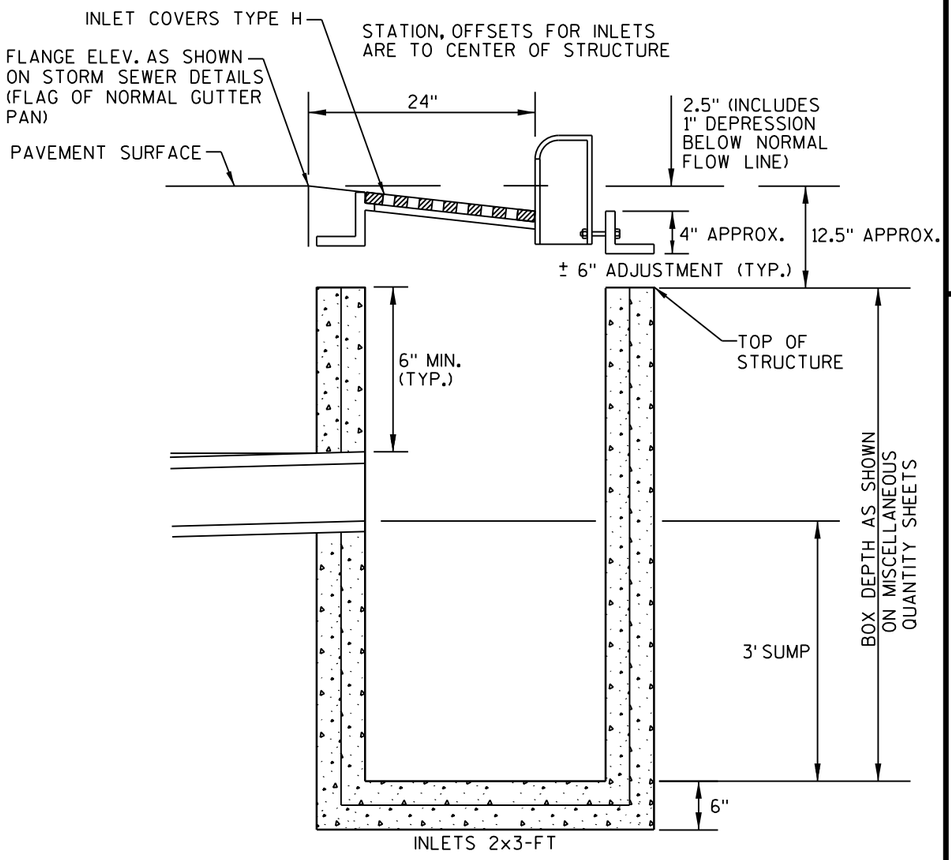
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	FINISHED TYPICAL SECTIONS	SHEET 7	E

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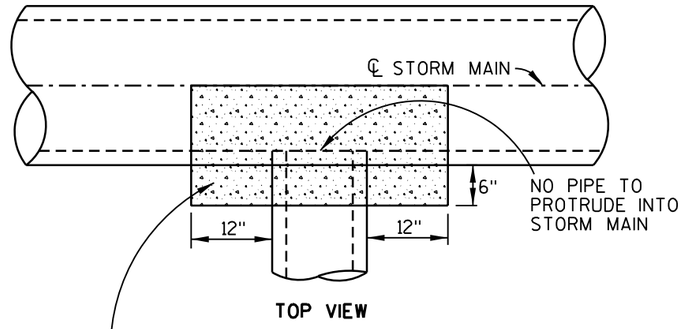
Proposed Typical Section-Roundabout.dgn 2/5/2013 9:19:12 AM bhuibregtse



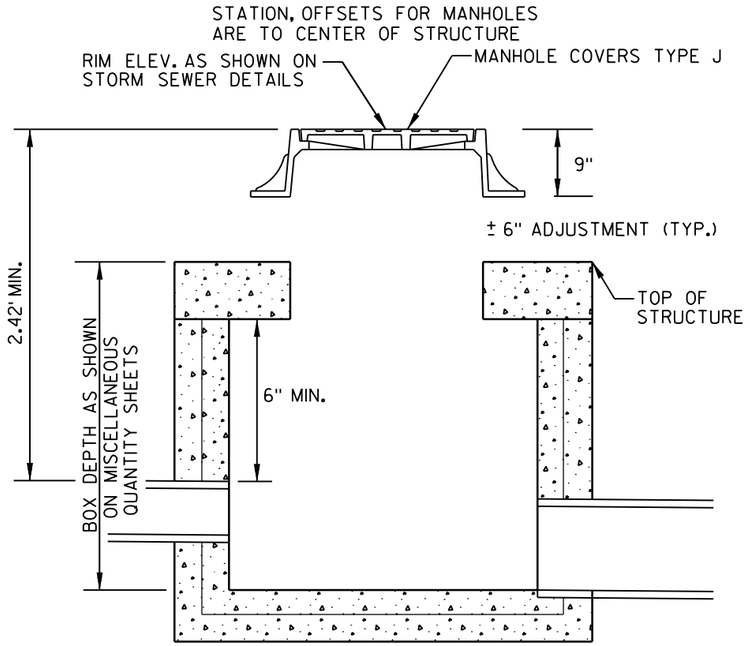
INLET COVERS TYPE "H" DETAIL



DETAIL FOR COMPUTING INLET ELEVATIONS
SCALE: NONE



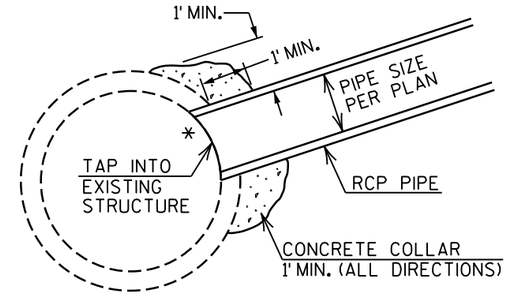
STORM SEWER PIPE TAP DETAIL
SCALE: NONE



DETAIL FOR COMPUTING MANHOLE ELEVATIONS
SCALE: NONE

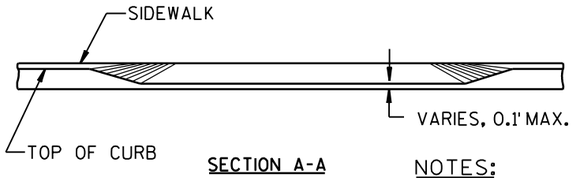
NOTE: CONCRETE COLLAR INCIDENTAL TO INSTALLATION OF STORM SEWER PIPE

* NO PIPE TO PROTRUDE INTO MANHOLE



PLAN VIEW

MANHOLE CONNECTION CONCRETE COLLAR DETAIL
SCALE: NONE



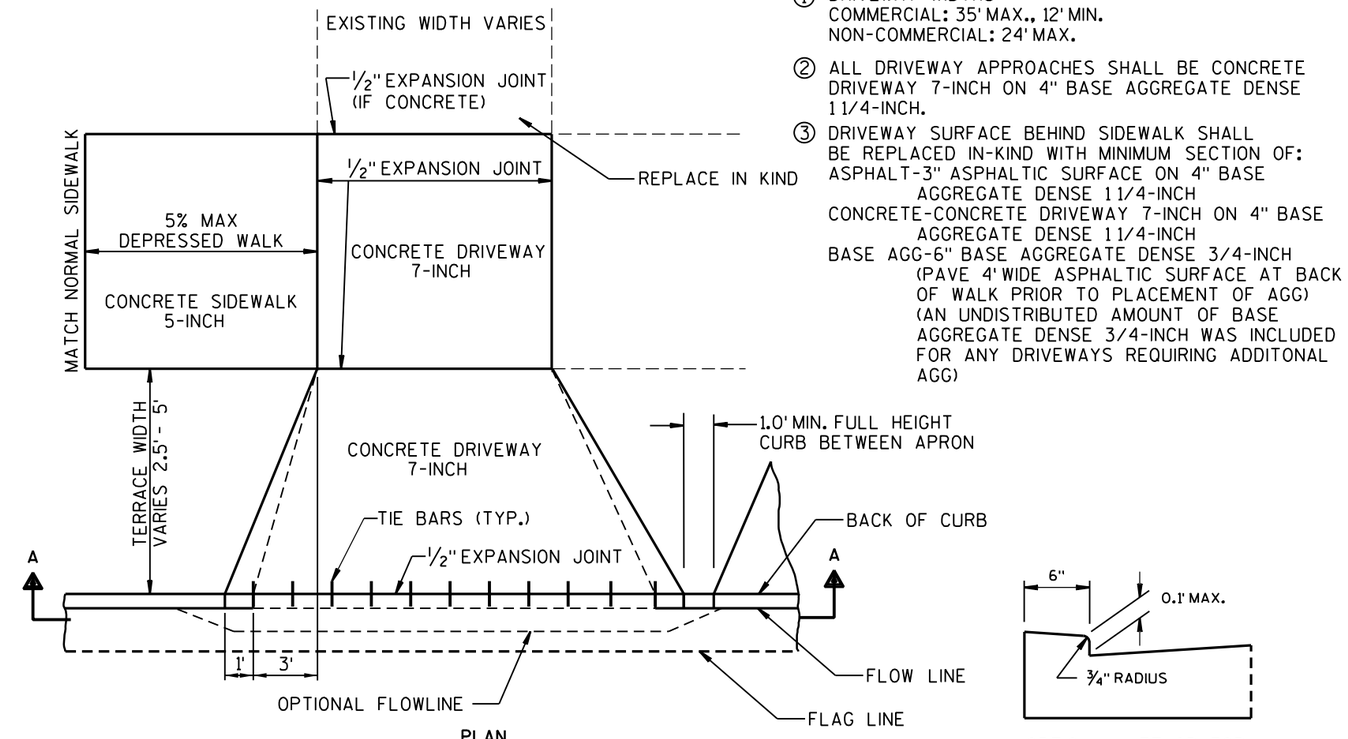
SECTION A-A

NOTES:

① DRIVEWAY WIDTHS
COMMERCIAL: 35' MAX., 12' MIN.
NON-COMMERCIAL: 24' MAX.

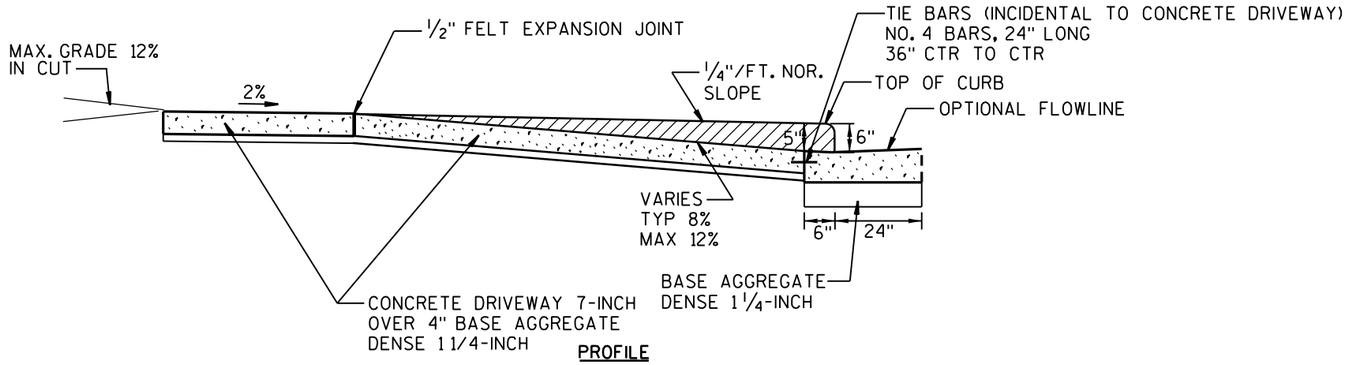
② ALL DRIVEWAY APPROACHES SHALL BE CONCRETE DRIVEWAY 7-INCH ON 4" BASE AGGREGATE DENSE 1 1/4-INCH.

③ DRIVEWAY SURFACE BEHIND SIDEWALK SHALL BE REPLACED IN-KIND WITH MINIMUM SECTION OF:
ASPHALT-3" ASPHALTIC SURFACE ON 4" BASE AGGREGATE DENSE 1 1/4-INCH
CONCRETE-CONCRETE DRIVEWAY 7-INCH ON 4" BASE AGGREGATE DENSE 1 1/4-INCH
BASE AGG-6" BASE AGGREGATE DENSE 3/4-INCH (PAVE 4' WIDE ASPHALTIC SURFACE AT BACK OF WALK PRIOR TO PLACEMENT OF AGG) (AN UNDISTRIBUTED AMOUNT OF BASE AGGREGATE DENSE 3/4-INCH WAS INCLUDED FOR ANY DRIVEWAYS REQUIRING ADDITONAL AGG)



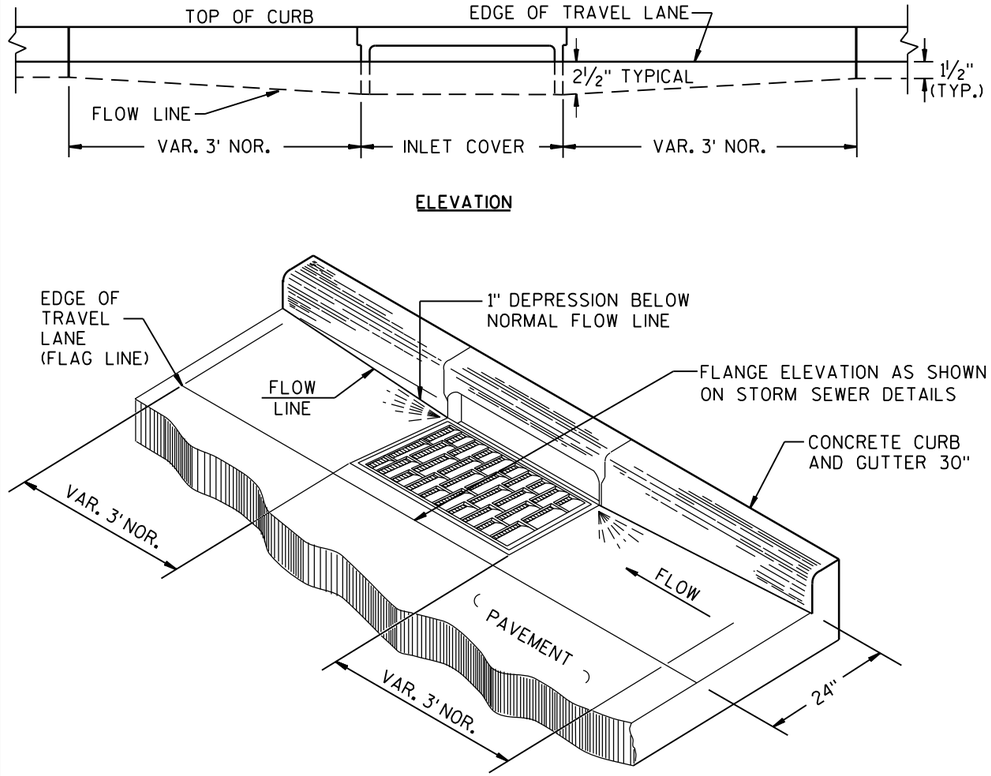
PLAN

OPTIONAL METHOD FOR CONCRETE GUTTER



PROFILE

URBAN DRIVEWAY DETAIL
SCALE: NONE

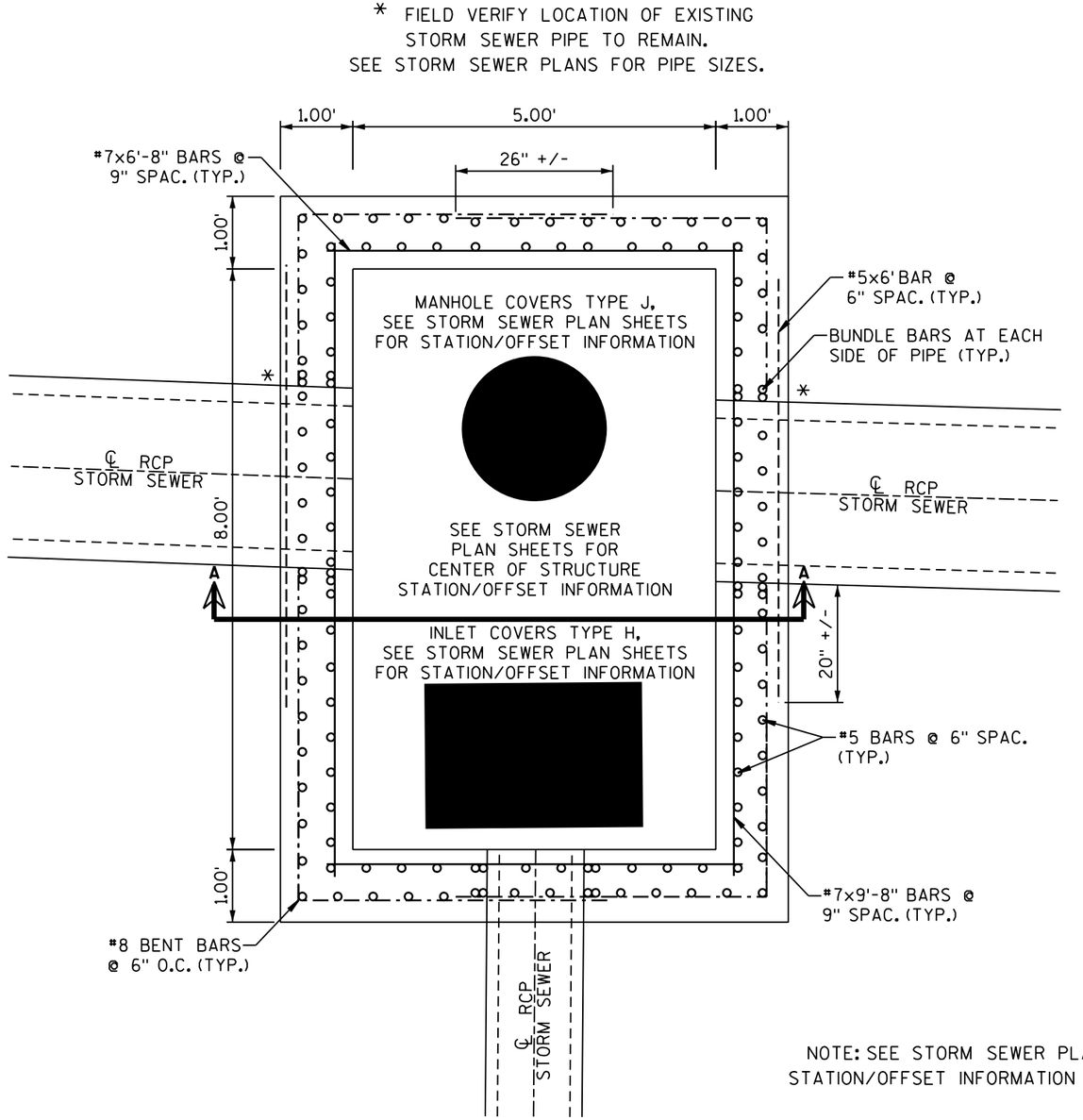


ELEVATION

(INLET 2x3-FT WITH INLET COVER TYPE H SHOWN)

DETAIL OF INTEGRAL CURB AT INLETS
SCALE: NONE

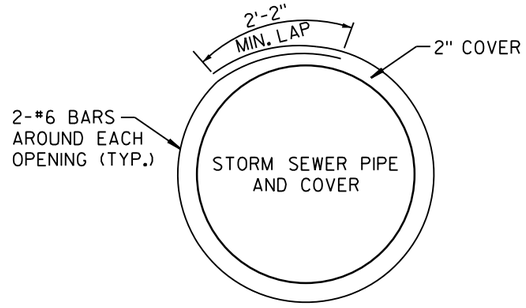
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET 9	E



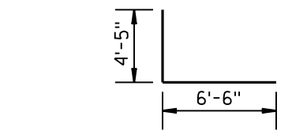
PLAN VIEW
NOT TO SCALE

NOTE: SEE STORM SEWER PLAN SHEETS FOR STATION/OFFSET INFORMATION AND ELEVATIONS.

MANHOLE SPECIAL 7-FT. x 10-FT. DETAIL
STRUCTURES: 6.0, 11.0, 12.0, 14.0
SCALE: NONE

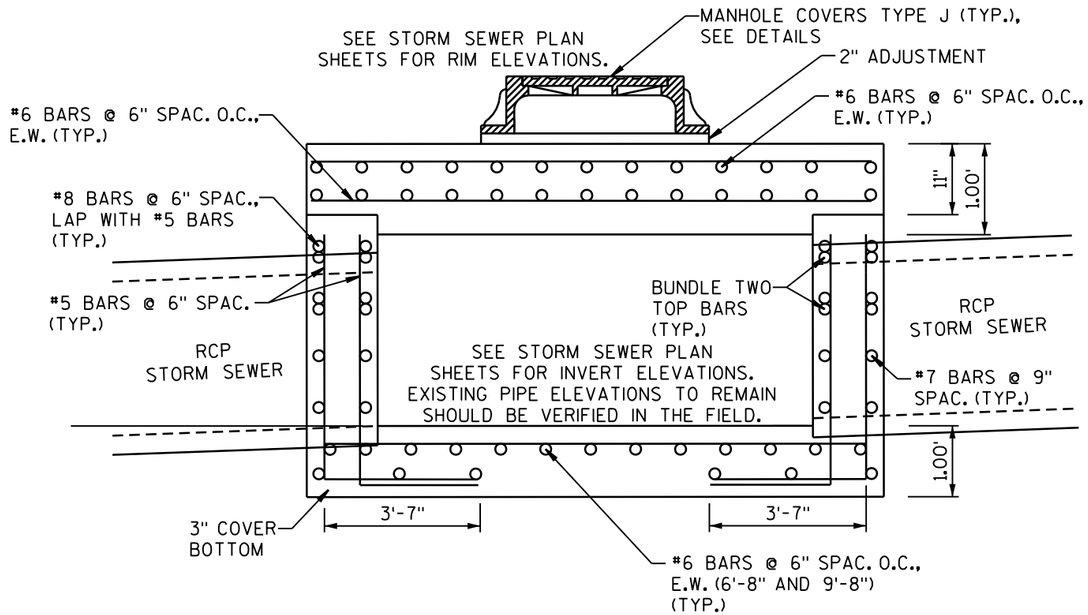


BARS AROUND PIPE OPENINGS AND COVER



#8 BENT BARS TO BE FIELD CUT OR BENT TO MAINTAIN 2" CL. AT PIPE OPENINGS

#8 BENT BARS



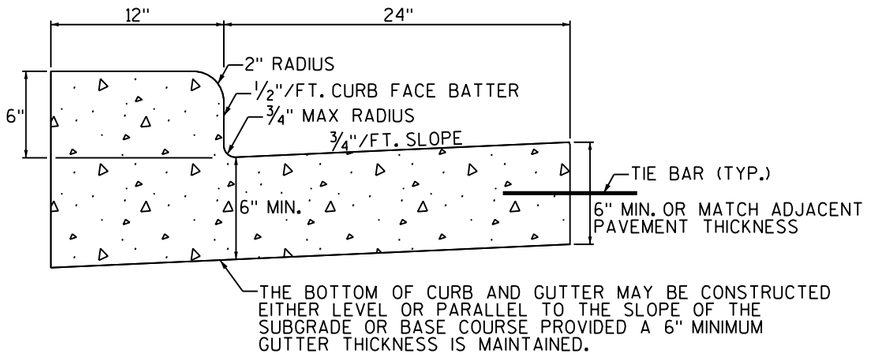
ELEVATION VIEW A-A
NOT TO SCALE

NOTES:
DETAILS OF CONSTRUCTION, MATERIAL AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATION AND THE APPLICABLE SPECIAL PROVISIONS.

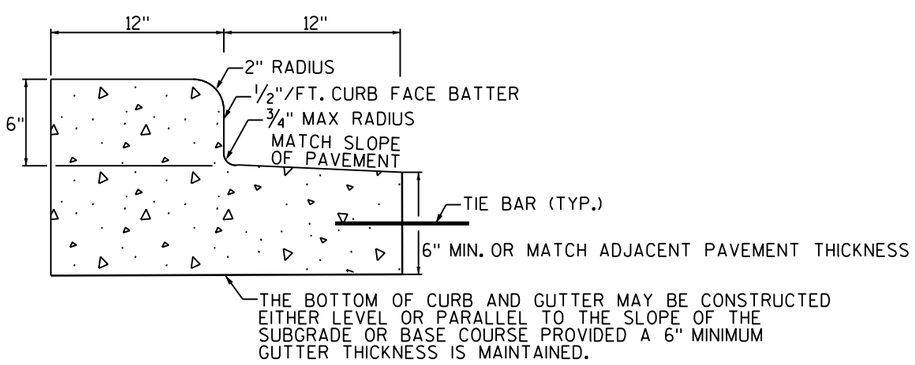
DETAILED DRAWINGS FOR PROPOSED ALTERNATIVE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATIVE DESIGNS MAKES PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THE BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

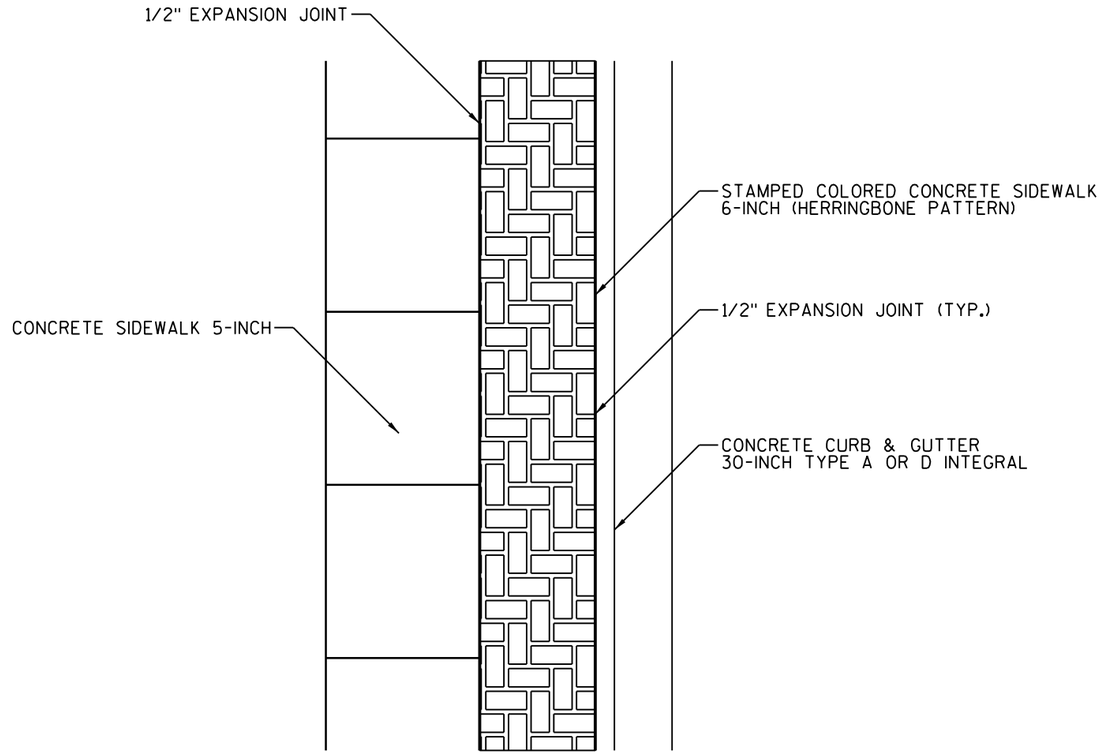
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHER SHOWN OR NOTED.



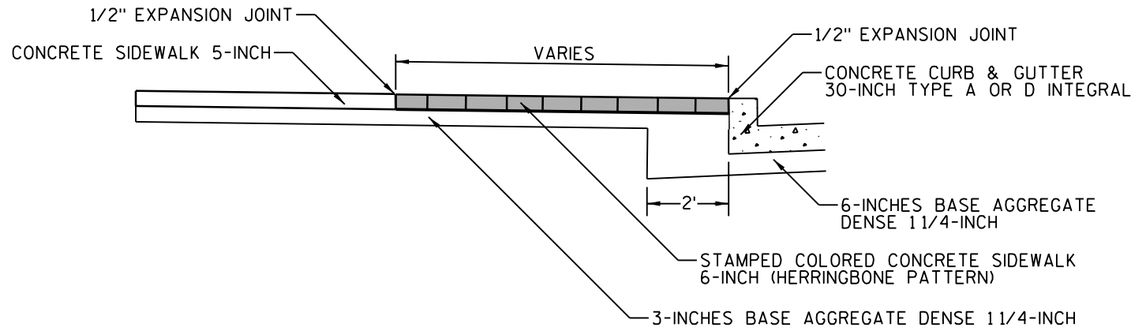
CONCRETE CURB & GUTTER 36-INCH TYPE A, SPECIAL
SCALE: NONE



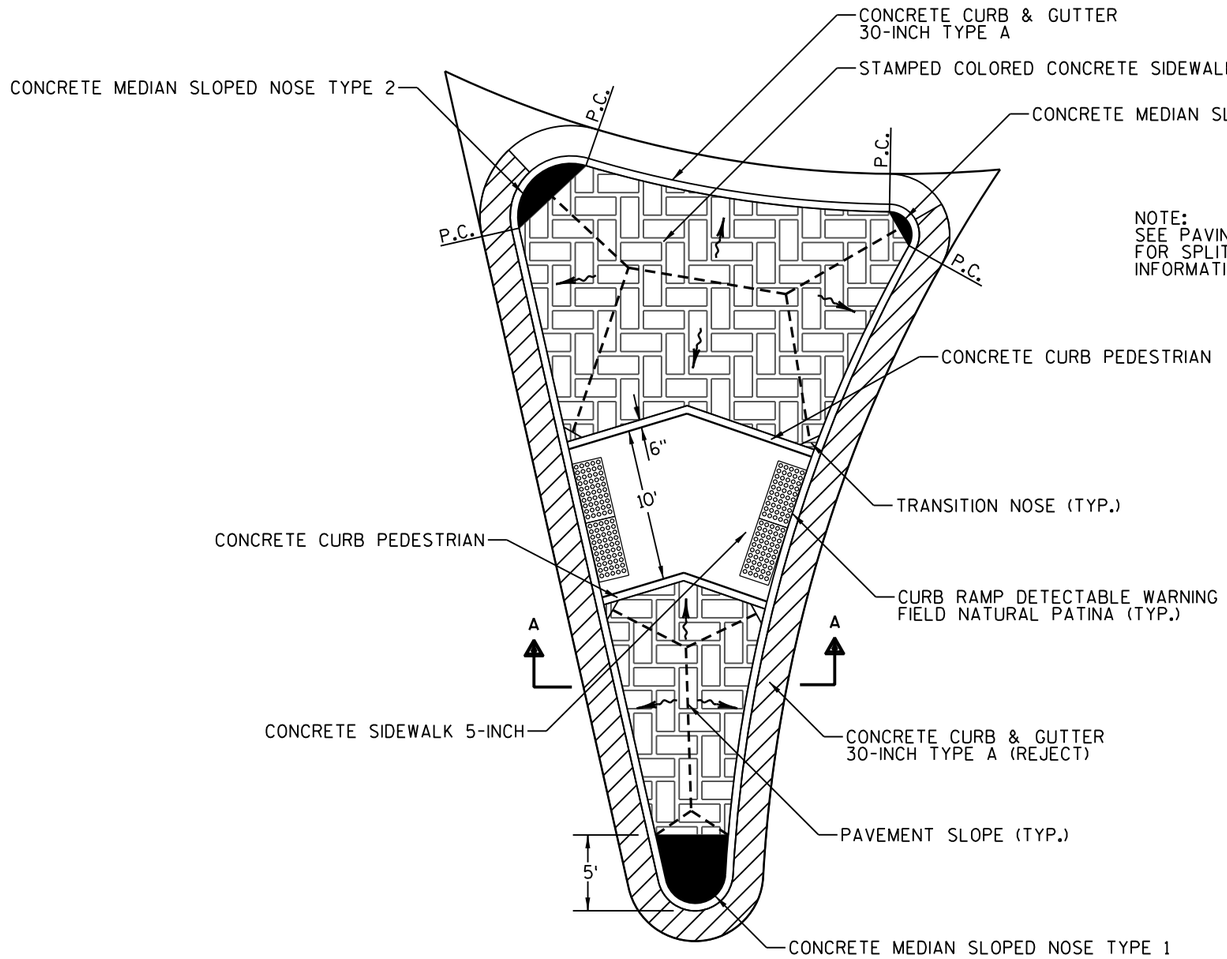
CONCRETE CURB & GUTTER 24-INCH TYPE A & TYPE D, SPECIAL
SCALE: NONE



TYPICAL HERRINGBONE PATTERN FOR STAMPED COLORED CONCRETE SIDEWALK 6-INCH
SCALE: NONE

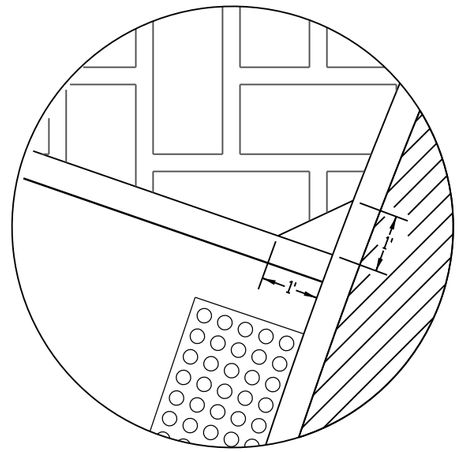


STAMPED COLORED CONCRETE SIDEWALK 6-INCH SECTION DETAIL
SCALE: NONE

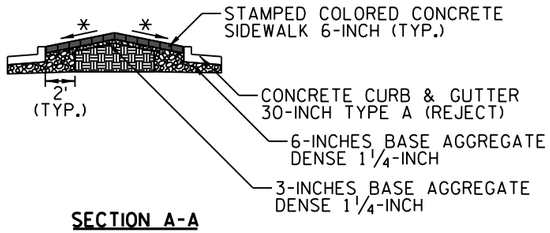


PLAN VIEW

NOTE:
SEE PAVING DETAIL SHEETS
FOR SPLITTER ISLAND STAKING
INFORMATION



TRANSITION NOSE DETAIL

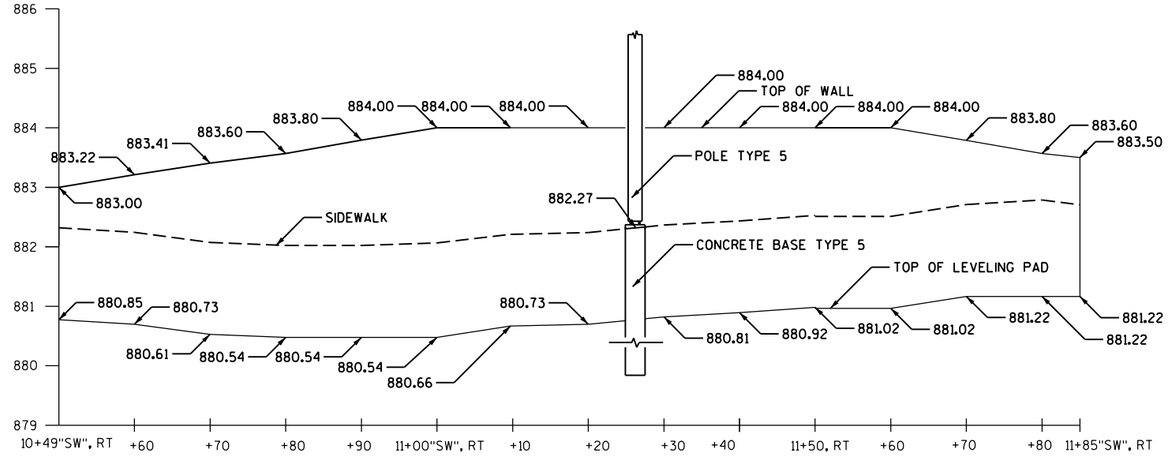


SECTION A-A

*SLOPE OF CONCRETE: 4% MIN. TO 6:1 MAX.
HEIGHT (ABOVE TOP OF CURB): 0.5' TYP. (1.0' MAX.)

ROUNDABOUT SPLITTER ISLAND DETAIL
SCALE: NONE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET 12	E



WALL MODULAR BLOCK GRAVITY - ELEVATION
STA. 10+49"SW" - STA. 11+85"SW", RT.

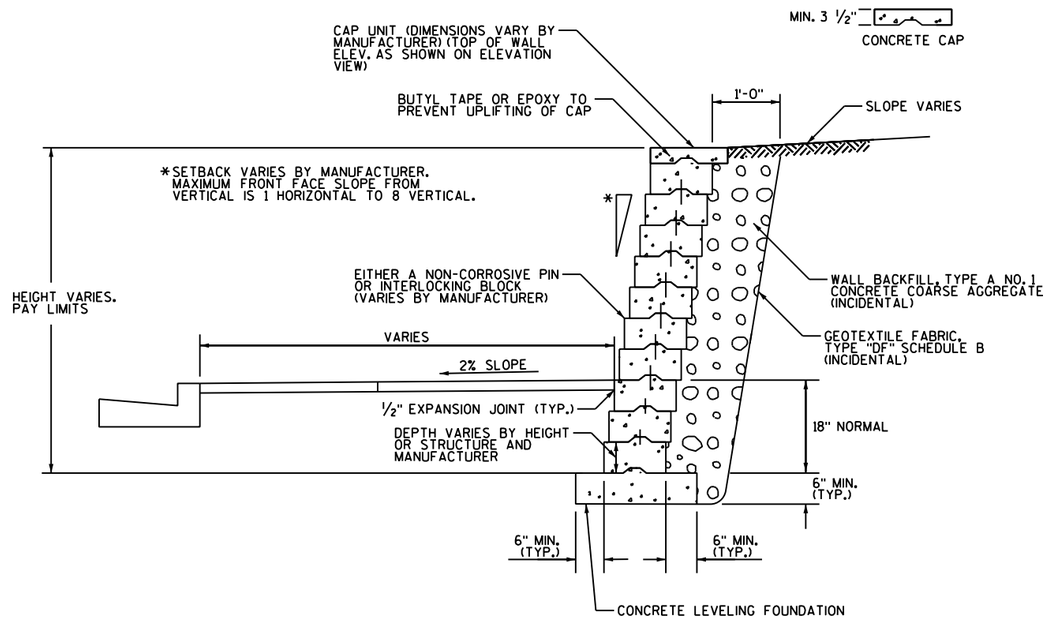
NOTES:

ELEVATIONS AND LENGTHS ARE APPROXIMATE. CONSTRUCT TO FIT TERRAIN.

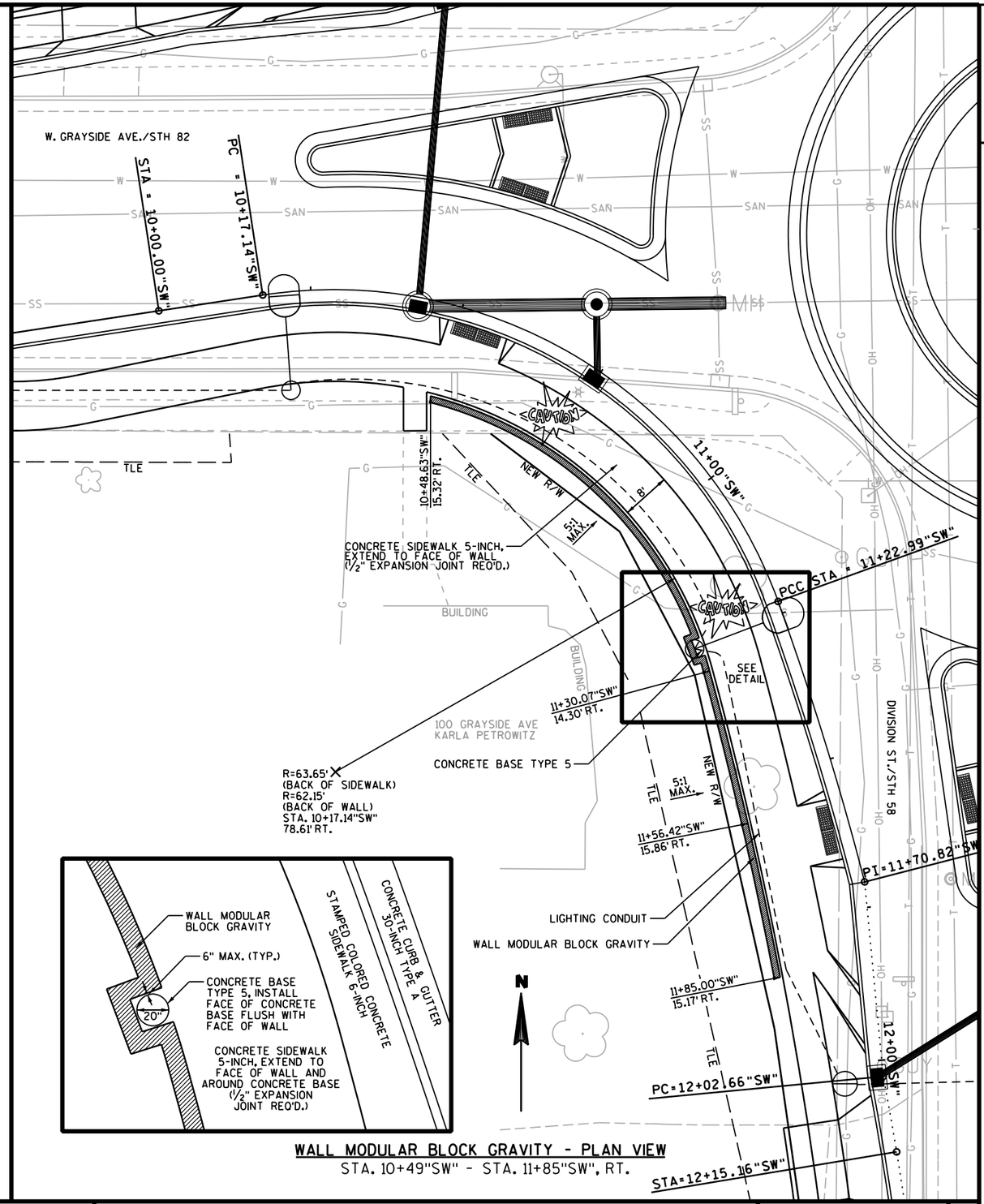
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK DEPTH MIN. 8-INCHES TO MAX 12-INCHES.

ALLOWABLE SOIL BEARING CAPACITY = 1,000 PSF



TYPICAL DETAIL FOR WALL MODULAR BLOCK GRAVITY
STA. 10+49"SW" - STA. 11+85"SW", RT.



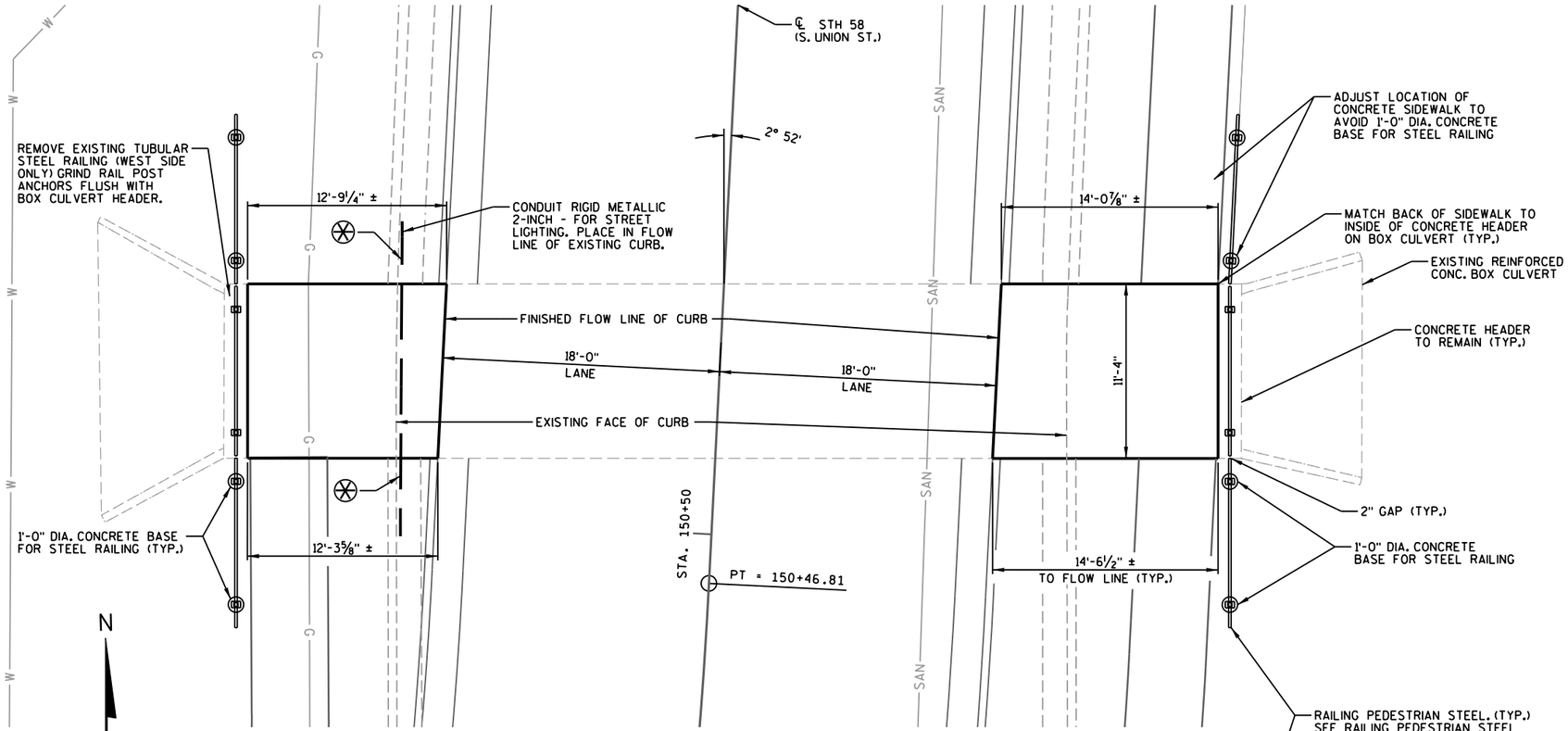
WALL MODULAR BLOCK GRAVITY - PLAN VIEW
STA. 10+49"SW" - STA. 11+85"SW", RT.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET E

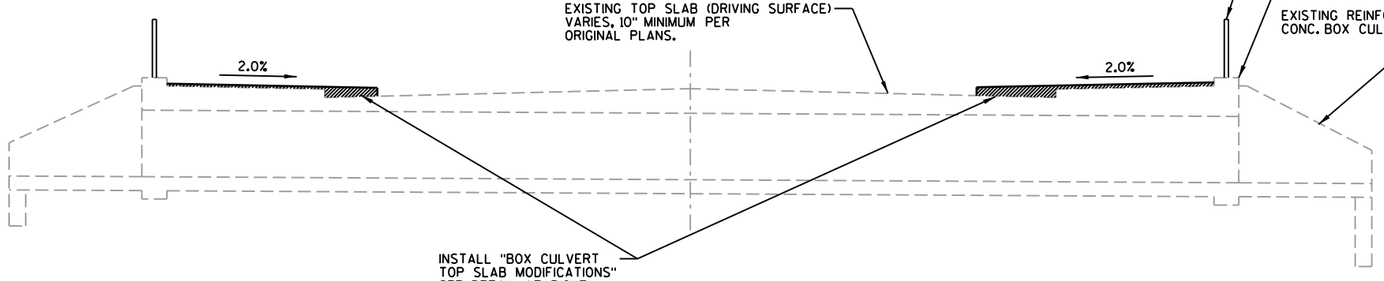
FILE NAME : P:\6780s\6785\06785001\caddWDOT\Planshts\Construction Details\Retaining Wall Detail.dgn PLOT DATE : 2/4/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:40.0554

WISDOT/CADDS SHEET 42

Retaining Wall Detail.dgn 2/4/2013 12:45:39 PM bhuibregtse



PLAN - BOX CULVERT



ELEVATION - BOX CULVERT

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

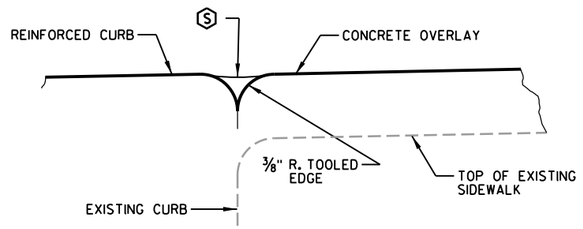
BAR STEEL REINFORCEMENT SHALL BE COATED & EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

CONCRETE SHALL BE CONCRETE MASONRY GRADE E.

ALL WORK ON THIS SHEET EXCEPT RAILING PEDESTRIAN STEEL AND CONDUIT RIGID METALLIC 2-INCHSHALL BE INCLUDED IN THE LUMP SUM BID ITEM "SPV.0105.02 BOX CULVERT TOP SLAB MODIFICATIONS".

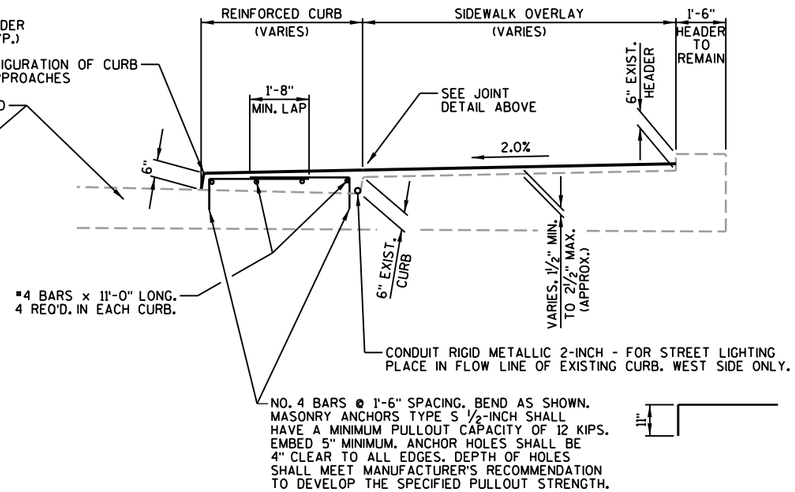
⊗ – TWO 45° BENDS IN CONDUIT REQUIRED, EACH SIDE OF BOX CULVERT, TO DIVERT AND CONTINUE METALLIC CONDUIT DOWN TO PULL BOXES SHOWN ON LIGHTING PLAN. USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRICAL CODE. SEE LIGHTING PLAN FOR PULL BOX LOCATIONS.

Ⓢ — CRACK SEALING EPOXY JOINTS.



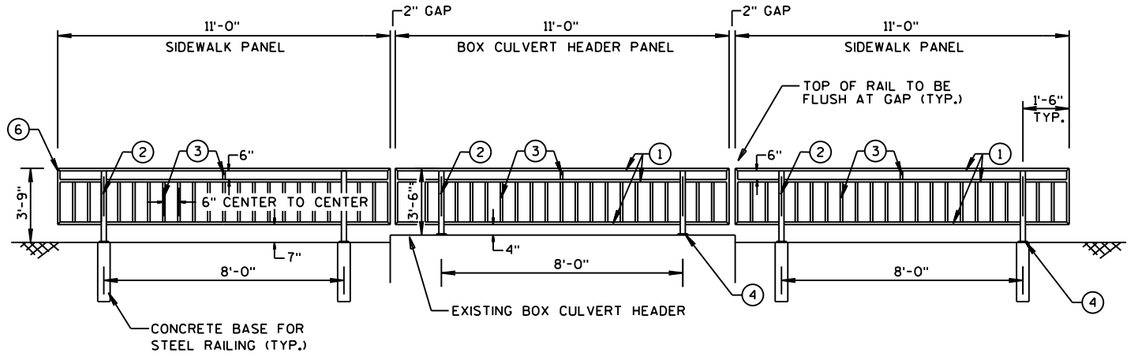
LONGITUDINAL JOINT AT EXISTING CURB LINE

JOINT DETAIL

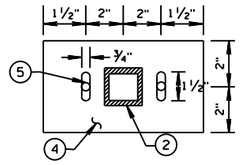


TYPICAL SECTION THRU SIDEWALK ON BOX

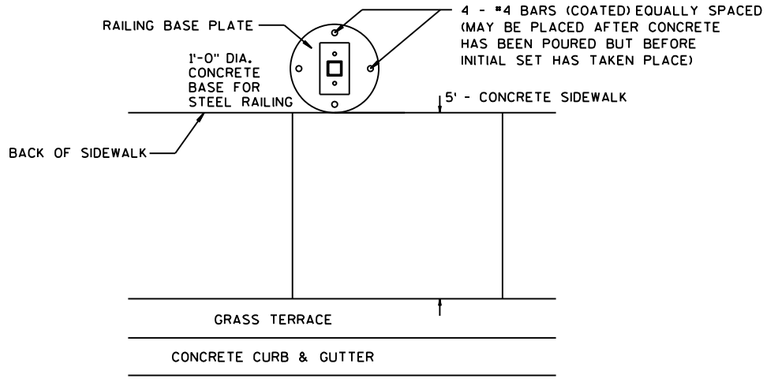
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	BOX CULVERT TOP SLAB MODIFICATIONS	SHEET 14	E



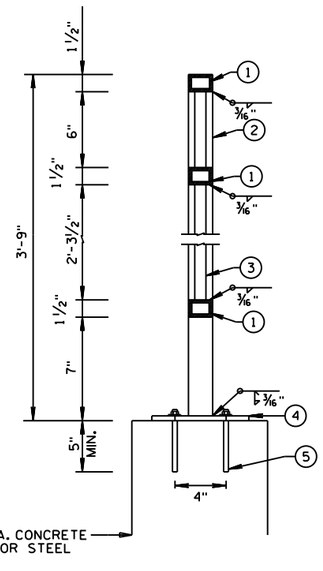
ELEVATION - RAILING PEDESTRIAN STEEL
STA. 150+60.76, LT. & RT.



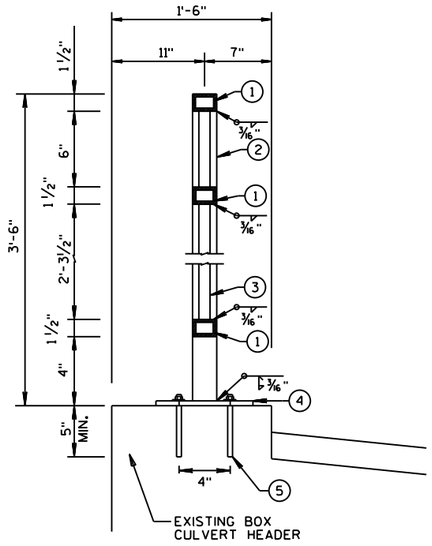
RAILING BASE PLATE



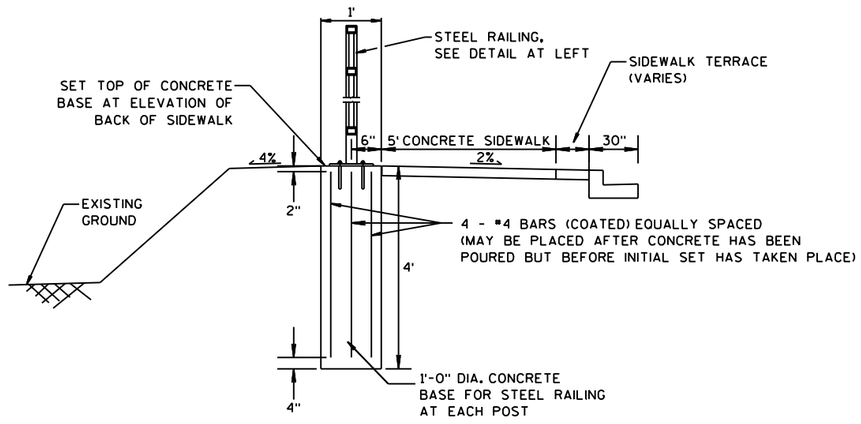
PLAN
AT SIDEWALK



SECTION THROUGH RAILING ON CONCRETE BASE



SECTION THROUGH RAILING ON BOX CULVERT HEADER



DETAIL FOR MOUNTING RAILING PEDESTRIAN STEEL ADJACENT TO SIDEWALK

LEGEND

1. 2" X 1½" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. NOTE: RAILS TO BE PARALLEL WITH TOP OF SIDEWALK
2. TS 2" X 2" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. CUT BOTTOM OF POST LEVEL. HOLD 1/16" ABOVE BASE PLATE TO ALLOW POST AND BASE PLATE TO BE WELDED TOGETHER. PLACE POST VERTICAL AND CENTERED ON BASE PLATE. ADJUST POST LENGTHS TO ENSURE TOP OF RAIL IS FLUSH AT STRUCTURE/SIDEWALK GAP.
3. BAR 1" X 1" PICKETS CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. NOTE: PLACE PICKETS VERTICAL, PICKETS WILL BE PERPENDICULAR TO RAILS ONLY WHEN SIDEWALK IS LEVEL.
4. BASE PLATE ½" X 4" X 7" CONFORMING TO ASTM DESIGNATION A709 GRADE 36 WITH ¾" X 1½" SLOTTED HOLES FOR HEX BOLTS NO. 6 WELD TO NO. 2 AS SHOWN.
5. MASONRY ANCHORS TYPE S ⅝ INCH, STAINLESS STEEL ANCHOR BOLTS, NUTS, AND WASHERS. PULLOUT STRENGTH SHALL BE 4 KIPS. TWO REQUIRED PER POST. PLACE NORMAL TO PLATE NO. 4. EMBED 5" MIN.
6. 2" X 1" X 3/16" STRUCTURAL TUBING CONFORMING TO ASTM DESIGNATION A501 OR A500 GRADE B. PLACE VERTICAL.

GENERAL NOTES

THE ITEM "RAILING PEDESTRIAN STEEL" SHALL INCLUDE ALL WORK SHOWN, INCLUDING CONCRETE BASES, ANCHORAGES, REINFORCING STEEL, MASONRY ANCHORS TYPE S, GALVANIZING, AND PAINTING.

FINAL LOCATIONS OF THE "RAILING POSTS", THE CONCRETE BASES FOR STEEL RAILING AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.

POST BASE PLATES NO. 4 SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

STEEL SHIMS SHALL BE PROVIDED AND USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT.

¼" Φ VENT HOLES LOCATED IN BOTTOM OF HORIZONTAL RAILS AT RAIL POSTS AND AT LOW END OF RAILING.

ALL MATERIALS EXCEPT ANCHOR BOLTS NO. 5, SHALL BE GALVANIZED AND GIVEN A TWO-COAT PAINT SYSTEM, RAL 9017 (BLACK).

TOUCH-UP TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AND INCIDENTAL TO ITEM "RAILING PEDESTRIAN STEEL."

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	RAILING PEDESTRIAN STEEL AND MOUNTING DETAIL	SHEET 15	E

5-INCHES ASPHALTIC SURFACE OVER 10-INCHES OF 1 1/4-INCH BASE AGGREGATE

CONCRETE CURB & GUTTER 30-INCH, TYPE D

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

SEE S.D.D. END OF ROADWAY SIGNING, URBAN

E. MILWAUKEE ST.

33'

20.1

20.0

REMOVING CURB & GUTTER

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D.

12' CONC. DRIVEWAY APRON REQ'D.

CONCRETE SIDEWALK 5-INCH

DEAD END

W14-1
30" X 30"
TWO (2) W14-1 SIGNS TO BE PLACED ON THE NORTH AND SOUTH SIDE OF MILWAUKEE STREET AT THE INTERSECTION OF MILWAUKEE STREET AND PINE STREET

SEE S.D.D. "END-OF-ROADWAY SIGNING" (URBAN)

EX.2

OBLITERATE OLD ROAD

REMOVE INLET

REMOVE STORM SEWER, 12-INCH, SEALING PIPES REQ'D.

INLET COVERS TYPE C REQ'D.

REMOVE STORM SEWER, 12-INCH, SEALING PIPES REQ'D.

REMOVE INLET

NOTE: SEE STORM SEWER SHEETS & PAVING DETAILS FOR ADDITIONAL DETAILS.

RI = 160+14.16

160+00

RT = 159+44.74

PC = 159+31.43

159+00

158+00

REMOVING CURB & GUTTER

OBLITERATE OLD ROAD

SEE S.D.D. END OF ROADWAY SIGNING, RURAL

SAWING ASPHALT REQ'D. (109' RT.)

E. MILWAUKEE ST.

UNION ST.

RAILROAD CROSSING

RAILROAD CONTROL CABINET

RAILROAD CROSSING LIGHTS

GRAVEL

LANDSCAPING

ASPHALT

CONCRETE

WOOD PLANTER/WALL

4 STEPS

TIMBER

SEE S.D.D. "END-OF-ROADWAY SIGNING" (RURAL)

DEAD END

W14-1
30" X 30"
TWO (2) W14-1 SIGNS TO BE PLACED AT INTERSECTION OF MILWAUKEE STREET AND VINE STREET

N

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	MILWAUKEE STREET CLOSURE DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Milwaukee Street Closing.dgn 2/5/2013 9:19:35 AM bhuibregtse

2

N

MATCH LINE STA. 508+50

STREET LIGHTING PULL BOX (TYP.)

PT = 508+30.10

WATERMAIN (TYP.)

CONDUIT (TYP.)

STORM SEWER PIPE (TYP.)

BUILDING REMOVED BY OTHERS

STREET LIGHTING POLE TYPE 5 (TYP.)

723 DIVISION ST.
SHARON PUPHAL

PC = 507+73.50

STORM SEWER INLET (TYP.)

NEW R/W

TLE VACATED

BEGIN PROJECT 5020-05-71
STA. 136+78.57

W. GRAYSIDE AVE./STH 82

SIGN (TYP.)

PC = 138+26.41

PT = 137+42.61

PC = 136+97.92

STA = 135+50.00

STORM SEWER MANHOLE (TYP.)

MODULAR BLOCK WALL GRAVITY

100 GRAYSIDE AVE.
KARLA PETROWITZ

PC = 505+70.59

PT = 505+32.16

DIVISION ST./STH 58

CONDUIT (TYP.)

MATCH LINE STA. 505+00

PT = 140+28.43

PT = 140+89.18

E. GRAYSIDE AVE.

MATCH LINE STA. 141+50

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Overview01.dgn 2/5/2013 9:19:39 AM bhuibregtse

2

N

MATCH LINE STA. 141+50

MATCH LINE STA. 147+50

TLE

CITY OF MAUSTON

CITY OF MAUSTON

GUY

GUY

STREET LIGHTING POLE TYPE 5 (TYP.)

BIKE RACK

CONC.

CONDUIT (TYP.)

GATE ACCESS

GRASS

FENCE CHAIN LINK SALVAGED 6-FT

STREET LIGHTING CONTROL CABINET

STREET LIGHTING PULL BOX (TYP.)

NEW R/W

142+00

143+00

144+00

145+00

146+00

147+00

STORM SEWER INLET (TYP.)

E. GRAYSIDE AVE.

OBLITERATE OLD ROAD

STORM SEWER PIPE (TYP.)

STORM SEWER MANHOLE (TYP.)

PC = 141+44.77

PT = 142+14.40

PC = 145+46.81

TLE

801 HICKORY ST
DOROTHY BETTHAUSER

SIGN (TYP.)

WALL

ASPHALT

800 HICKORY ST
YEE VANG

S. HICKORY ST.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Overview02.dgn 2/5/2013 9:19:42 AM bhuibregtse

2

N

MATCH LINE STA. 147+50

FENCE CHAIN LINK SALVAGED 6-FT

148+00

149+00

150+00

151+00

152+00

MATCH LINE STA. 152+50

STREET LIGHTING POLE TYPE 5 (TYP.)

FENCE CHAIN LINK SALVAGED 6-FT

NEW R/W

TLE

CITY OF MAUSTON

RAILING

STORM SEWER INLET (TYP.)

CONDUIT (TYP.)

S. UNION ST.

E. GRAYSIDE AVE.

OBLITERATE OLD ROAD

ASPHALT

GRAVEL

CURB PAD

CURB RAMP

PT = 150+46.81

EXISTING BOX CULVERT C-29-0055 TO REMAIN WITH MODIFICATIONS

SIGN (TYP.)

STORM SEWER MANHOLE (TYP.)

STORM SEWER PIPE (TYP.)

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET 19	E

2

N

MATCH LINE STA. 152+50

MATCH LINE STA. 158+50

153+00 154+00 155+00 156+00 157+00 158+00

S. UNION ST.

VINE ST.

AREA DRAIN

LANDSCAPING

CONDUIT (TYP.)

STREET LIGHTING PULL BOX (TYP.)

STORM SEWER MANHOLE (TYP.)

STORM SEWER INLET (TYP.)

STORM SEWER PIPE (TYP.)

SIGN (TYP.)

STREET LIGHTING POLE TYPE 5 (TYP.)

437 S UNION ST
FRANCES H
SCHROEDER

435 S UNION ST
EDWIN E &
OPAL L DAVIS

431 S UNION ST
NICHOLAS W
ANDERSON

429 S UNION ST
TIMOTHY J DELMORE

417 S UNION ST
KENDALL J BOLCHEN
& COLLEEN F TRUSTEES

411 S UNION ST
RICHARD E ZORBAUCH

438 S UNION ST
BARBARA J &
MICHAEL HOILIEN

432 S UNION ST
JAMES A WEBSTER

426 S UNION ST
ERIC SANFORD

422 S UNION ST
BERNARD E &
PAULETTE KRANZ

420 S UNION ST
LUEHMAN REAL ESTATE
INVESTMENTS LLC

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET 20	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Overview04.dgn 2/5/2013 9:19:46 AM bhuibregtse

2

N

E. MILWAUKEE ST.

405 S UNION ST
ERNEST JR & AUDREY
SCHMOCKER

TLE

OBLITERATE
OLD ROAD

XXXXXXXX

ASPHALT

LANDSCAPING

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

RAILROAD CROSSING LIGHTS

DIRT

118 WASHINGTON ST
DOMANN'S FARM
SUPPLY INC

WASHINGTON ST.

STORM SEWER INLET (TYP.)

SIGN (TYP.)

STREET LIGHTING PULL BOX (TYP.)

CONDUIT (TYP.)

STORM SEWER PIPE (TYP.)

STORM SEWER MANHOLE (TYP.)

414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

ROOF DRAIN

GRAVEL

MATCH LINE STA. 158+50

159+00

160+00

161+00

162+00

163+00

164+00

MATCH LINE STA. 164+50

PT = 159+30.43

PC = 159+48.74

PT = 160+16.16

PC = 161+15.87

PT = 161+32.26

PT = 161+89.63

6"FM

6"SAN

12"SAN

18"SS

10"W

S. UNION ST.

WATERMAIN (TYP.)

STREET LIGHTING POLE TYPE 5

DECORATIVE LUMINAIRE AND POLE ASSEMBLY (TYP.)

RAILROAD CONTROL CABINET

DRIVEWAY

DOOR

GARAGE DOOR

411 PRAIRIE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

BOLLARD

324 S UNION ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

NEW R/W

E. MILWAUKEE ST.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

Overview05.dgn 2/5/2013 9:19:48 AM bhuibregtse

2

LEGEND

PETROLEUM CONTAMINATED SOIL AND GROUNDWATER

MATCH LINE STA. 164+50

165+00

166+00

167+00

168+00

169+00

170+00

PT - 165+53

PI - 168+64.95

PI - 169+26.42

END PROJECT 5020-05-71
STA. 167+80.00

S. UNION ST.

PRAIRIE ST.

LA CROSSE ST.

414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

414 E STATE ST
MAUSTON REDEV
AUTHORITY

216 S UNION ST
STEVEN P &
LISA R BUCHMEIER

302 S UNION ST
RANDY F FENWICK

503 LACROSSE ST
LEO C FRONK

STORM SEWER MANHOLE (TYP.)

STORM SEWER PIPE (TYP.)

STORM SEWER INLET (TYP.)

WATERMAIN (TYP.)

SIGN (TYP.)

CONDUIT (TYP.)

STREET LIGHTING PULL BOX (TYP.)

NEW R/W TLE

DECORATIVE LUMINAIRE AND POLE ASSEMBLY (TYP.)

GARAGE DOOR
BOLLARD
DOOR
STEP
ROOF DRAIN
GAS METERS
CURB RAMP
OVERHANG (TYP.)
WATER FAUCETS
2 STEPS
RAMP
ENTRANCE

DRIVEWAY
CONCRETE
ASPHALT
GRASS

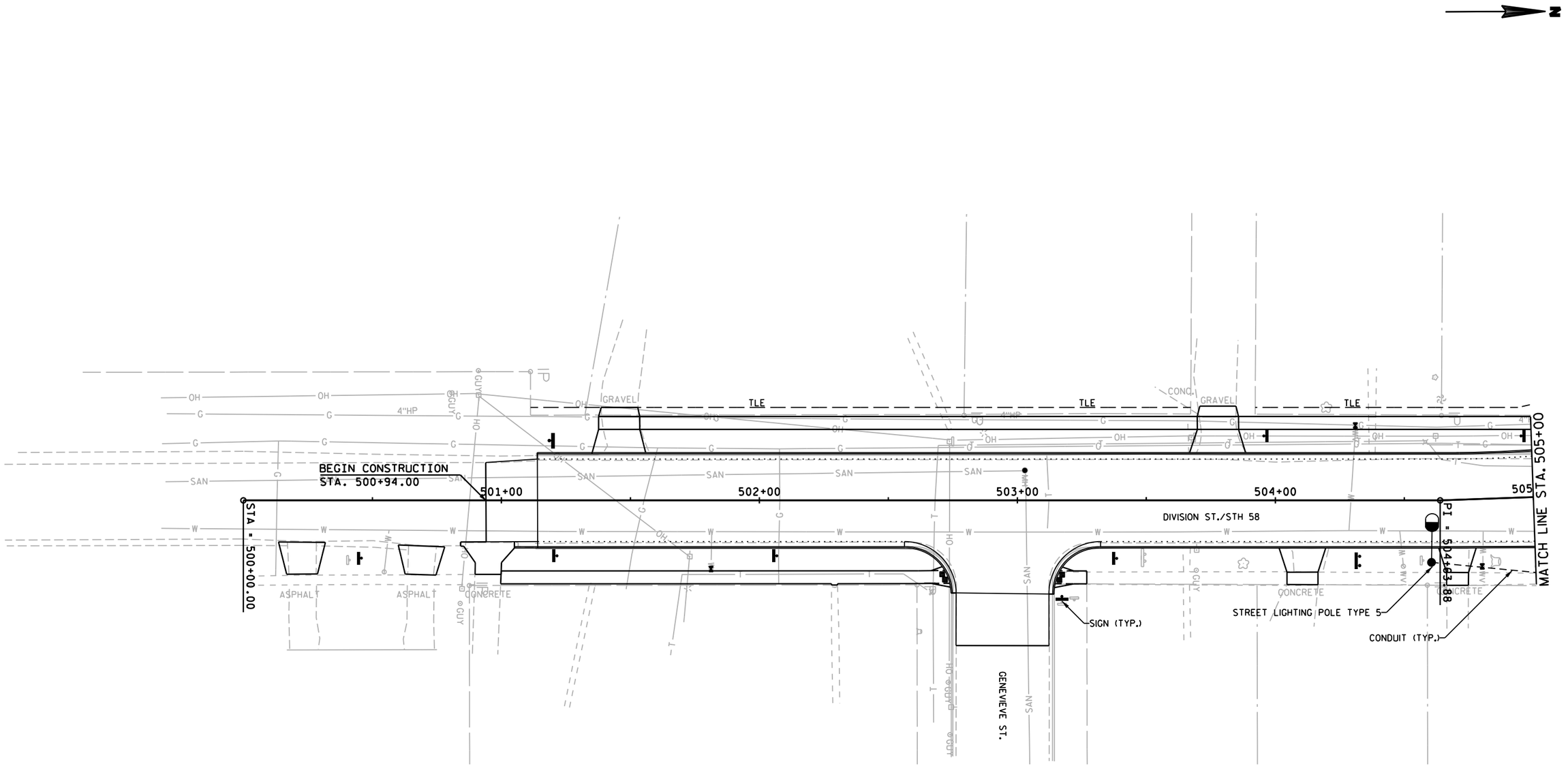
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

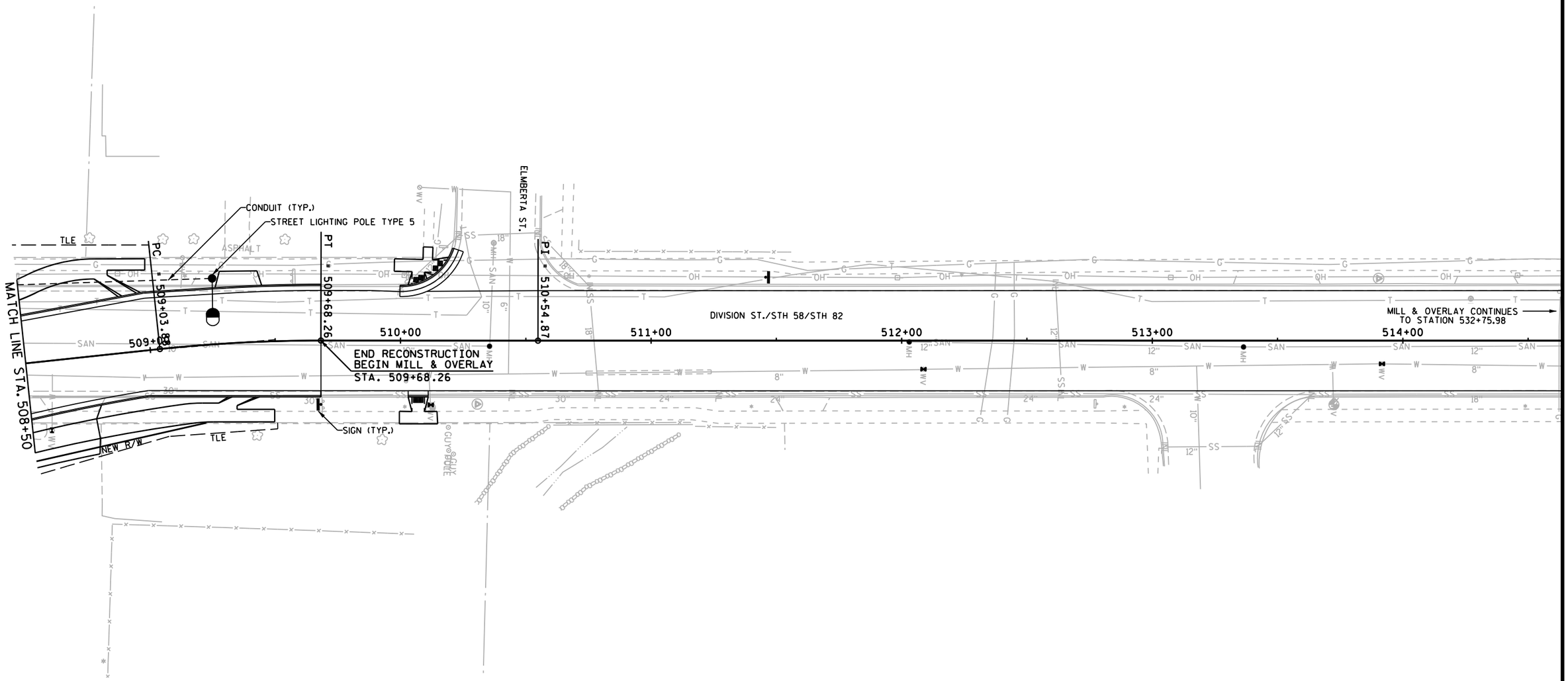
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2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET 23	E

2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	OVERVIEW	SHEET 24	E

ADJUST EXISTING WATER VALVE BOX (TYP.)

E. GRAYSIDE AVENUE

143+00

STORM SEWER INLET COVER TYPE H

STORM SEWER MANHOLE COVER TYPE J

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

879.10

879.17

CONCRETE CURB & GUTTER 30-INCH TYPE A

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

879.40

879.46

5'

5'

12:1 MAX

6'

CURB RAMP TYPE 2

EXISTING TREE (TO REMAIN)

NOTE: ADJUST CURB RAMP TO AVOID IMPACTS TO EXISTING TREE.

STA. 142+98.2
29.0' RT.
(S. HICKORY STREET ℄)

COLORED CONCRETE PAVEMENT 8-INCH (TYP.)

19'

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (48' RT.)

879.65

879.59

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (48' RT.)

EXISTING INLET TO REMAIN

EXISTING INLET TO REMAIN

5-INCHES ASPHALTIC SURFACE OVER
10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

20'

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D. (68' RT.)

801 HICKORY ST
DORTHY BETTHAUSER

CONCRETE SIDEWALK

S. HICKORY STREET

879.56

879.69

879.68

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

5'

5'

12:1 MAX

7'

MAX 22

2'

CURB RAMP TYPE 2

RETAINING WALL

INSTALL CONCRETE SIDEWALK 5-INCH TO FACE OF EXISTING RETAINING WALL (1/2" EXPANSION JOINT REQ'D.)

CONCRETE SIDEWALK 5-INCH (TYP.)

STREET SIGN (TYP.)

RETAINING WALL

800 HICKORY ST
YEE VANG

N

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

EXACT LOCATION OF COLORED CONCRETE PAVEMENT 8-INCH CROSSWALK MAY NEED TO BE ADJUSTED IN THE FIELD TO ALIGN WITH DETECTABLE WARNING FIELD LOCATION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - E. GRAYSIDE AVENUE/S. HICKORY STREET	SHEET 25	E

2

S. UNION STREET

153+00

154+00

STA. 154+15.6

ADJUST EXISTING WATER VALVE BOX

PI = 153+71.87

8'

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

STORM SEWER INLET COVER TYPE H

TAPER CURB HEAD FROM 6-INCHES TO 12-INCHES

STORM SEWER MANHOLE COVER TYPE J

872.53

872.58

5' TAPER

9'

5'

CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

COLORED CONCRETE PAVEMENT 8-INCH (TYP.)

CURB RAMP TYPE 2

12:1 MAX

872.64

872.67

6'

CONCRETE SIDEWALK 5-INCH (TYP.)

STA. 153+58.7
31.7' RT.
(VINE STREET ℄)

872.73

872.81

10' TAPER

VINE STREET

CURB RAMP TYPE 2 (MODIFIED)

872.92

872.94

872.96

872.98

CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL

872.85

872.80

5' MIN.

12:1 MAX

CURB RAMP TYPE 2

12:1 MAX

VARIES

5'

2% MAX

5' TAPER

5'

5% MAX

873.90

874.03

873.20

CONCRETE SIDEWALK 5-INCH (TYP.)

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 154+38)

EXISTING CONCRETE SIDEWALK TO REMAIN

HYDRANT

STREET SIGN (TYP.)

872.71

872.67

10' TAPER

BUILDING

438 S UNION ST
BARBARA J &
MICHAEL HOILIEN

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

EXACT LOCATION OF COLORED CONCRETE PAVEMENT 8-INCH CROSSWALK MAY NEED TO BE ADJUSTED IN THE FIELD TO ALIGN WITH DETECTABLE WARNING FIELD LOCATION.

N

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - S. UNION STREET/VINE STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 02.dgn 2/5/2013 9:19:58 AM bhuibregtse

2

ASPHALT

VINE STREET

EXISTING AREA DRAIN TO REMAIN

STA. 153+35.55, 76.85' LT.

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

STA. 153+75.67, 77.85' LT.

437 S UNION ST
FRANCES H SCHROEDER

ASPHALTIC FLUME & ASPHALT CURB

20'

5-INCHES ASPHALTIC SURFACE OVER
10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

CITY OF MAUSTON

STA. 153+34.54, 56.97' LT.

STA. 153+78.62, 57.65' LT.

BUILDING

872.92

872.74

LANDSCAPING

872.86

872.78

ASPHALT

23.5'

EXISTING CONCRETE SIDEWALK TO REMAIN

STREET SIGN (TYP.)

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 154+38)

CONCRETE SIDEWALK 5-INCH (TYP.)

CONCRETE SIDEWALK 5-INCH (TYP.)

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 153+15)

CURB RAMP TYPE 2

STA. 153+55.7
34.2' LT.
(VINE STREET ℄)

CURB RAMP TYPE 2

STA. 154+22.20, 31.50' LT. (BEND PT.)

873.91

873.34

872.78

872.85

12:1 MAX

12:1 MAX

5'

EXISTING CONCRETE SIDEWALK TO REMAIN

5' TAPER

873.76

873.32

872.74

872.88

9'

COLORED CONCRETE PAVEMENT 8-INCH (TYP.)

5'

12:1 MAX

CONCRETE DRIVEWAY 7-INCH

10.5'

872.70

872.90

8'

CURB RAMP TYPE 2

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE CURB & GUTTER 30-INCH TYPE A

LIGHTING SYSTEM PULL BOX (TYP.)

STREET LIGHTING POLE TYPE 5

873.02

873.07

873.10

873.13

STORM SEWER MANHOLE COVER TYPE J

872.53

872.55

STORM SEWER INLET COVER TYPE H (TYP.)

2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

8'

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D (TYP.)

ADJUST EXISTING WATER VALVE BOX (TYP.)

PI = 153+71.87

153+00

154+00

STA. 154+15.6

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

EXACT LOCATION OF COLORED CONCRETE PAVEMENT 8-INCH CROSSWALK MAY NEED TO BE ADJUSTED IN THE FIELD TO ALIGN WITH DETECTABLE WARNING FIELD LOCATION.

S. UNION STREET

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - S. UNION STREET/VINE STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 03.dgn 2/5/2013 9:20:00 AM bhuibregtse

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

EXACT LOCATION OF COLORED CONCRETE PAVEMENT 8-INCH CROSSWALK MAY NEED TO BE ADJUSTED IN THE FIELD TO ALIGN WITH DETECTABLE WARNING FIELD LOCATION.

GRAVEL

118 WASHINGTON ST
DOMANN'S FARM SUPPLY INC

WASHINGTON STREET

873.18

873.10

CONCRETE CURB & GUTTER 30-INCH TYPE A

STREET SIGN (TYP.)

3-INCHES ASPHALTIC SURFACE OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

CONCRETE SIDEWALK 5-INCH (TYP.)

4'

CONCRETE DRIVEWAY 7-INCH

5'

CURB RAMP TYPE 2

12:1 MAX

5'

CONCRETE DRIVEWAY 7-INCH

7.5'

STA. 162+71.0
31.5' LT.
(WASHINGTON STREET ℄)

872.98

872.92

872.86

9'

872.62

872.48

COLORED CONCRETE PAVEMENT 8-INCH (TYP.)

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CONCRETE SIDEWALK 5-INCH

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

872.78

872.75

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

STORM SEWER INLET COVER TYPE H (TYP.)

8'

873.13

5-INCHES ASPHALTIC SURFACE OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (49' LT.)

414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

UTILITY POLE

CONCRETE SIDEWALK 5-INCH (TYP.)

STORM SEWER MANHOLE COVER TYPE J

12:1 MAX

CURB RAMP TYPE 2

5'

7.5'

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

LIGHTING SYSTEM PULL BOX (TYP.)

CONCRETE CURB & GUTTER 30-INCH TYPE A

871.91

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

162+00

STA. 162+29.0

163+00

S. UNION STREET

CONCRETE CURB & GUTTER 30-INCH TYPE A

2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

872.75 872.69 872.60

872.39

872.03

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

DECORATIVE LUMINAIRE AND POLE ASSEMBLY 15-FT (TYP.)

12:1 MAX

5'

CURB RAMP TYPE 2

CONCRETE DRIVEWAY 7-INCH

CONCRETE SIDEWALK 5-INCH (TYP.)

HYDRANT

7.5'

5'

CONCRETE DRIVEWAY 7-INCH

ADJUST EXISTING WATER VALVE BOX (TYP.)

2'

LANDSCAPING

DOOR

BOLLARD

GARAGE DOOR

BUILDING

CONCRETE

MATCH EXISTING PAVEMENT, SAWING CONCRETE REQ'D. (33' RT.)

CONCRETE DRIVEWAY 7-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

BUILDING

411 PRAIRIE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

CONCRETE

DOOR

BUILDING

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (31' RT.)

324 S UNION ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - S. UNION STREET/WASHINGTON STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 04.dgn 2/5/2013 9:20:02 AM bhuibregtse

2

BOLLARD
BUILDING
EXISTING CONCRETE SIDEWALK TO REMAIN
MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. ON EXISTING JOINT
MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. ON EXISTING JOINT
OVERHANG (TYP.)
414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST
BUILDING
EXISTING CONCRETE SIDEWALK TO REMAIN
MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. ON EXISTING JOINT
BOLLARD
BUILDING
DOOR
EXISTING CONCRETE SIDEWALK TO REMAIN
STEP
STEP
APPROX. 15'
APPROX. 15'
12:1 MAX
5'
2% MAX
12:1 MAX
APPROX. 5'
7.5'
CURB RAMP TYPE 2
CONCRETE SIDEWALK 5-INCH (TYP.)
CURB RAMP TYPE 2
DECORATIVE LUMINAIRE AND POLE ASSEMBLY 15-FT (TYP.)
CONCRETE DRIVEWAY 7-INCH
870.91
870.88
870.76
870.68
870.63
870.54
870.51
870.46
2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CONCRETE CURB & GUTTER 30-INCH TYPE A
S. UNION STREET
PT = 165+63.53
STA. 165+53.5
166+00
STA. 166+30.5
8'
8'
COLORED CONCRETE PAVEMENT 8-INCH (TYP.)
STORM SEWER MANHOLE COVER TYPE J
2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
870.92
870.97
871.01
2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)
CONCRETE CURB & GUTTER 30-INCH TYPE A
870.47
870.50
870.46
LIGHTING SYSTEM PULL BOX (TYP.)
STORM SEWER INLET COVER TYPE H (TYP.)
2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)
870.43
4-INCH CURB HEAD
CURB RAMP TYPE 2
12:1 MAX
5'
8.5'
CONCRETE DRIVEWAY 7-INCH
7.5'
5'
CURB RAMP TYPE 2 (MODIFIED)
871.35
871.11
870.52
6'
2% MAX
12:1 MAX
5'
5'
871.15
870.67
CONCRETE DRIVEWAY 7-INCH
STA. 165+94.0
32.5' RT.
(PRAIRIE STREET ℄)
MATCH EXISTING PAVEMENT, SAWING CONCRETE REQ'D. (32' RT.)
R = 4.6', 165+54.3, 35.6' RT.
CONCRETE SIDEWALK 5-INCH (TYP.)
CONCRETE CURB & GUTTER 30-INCH TYPE A
9.5'
5'
5% MAX
CONCRETE SIDEWALK 5-INCH (TYP.)
ADJUST EXISTING WATER VALVE BOX (TYP.)
UTILITY POLE
871.22
870.93
STREET SIGN (TYP.)
PLANTER
CONCRETE
MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (37' RT.)
MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (42' RT.)
MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (42' RT.)
MATCH EXISTING SIDEWALK. EXACT LOCATION WILL VARY DEPENDING ON CURB RAMP LAYOUT. SAWING CONCRETE REQ'D.
302 S UNION ST
RANDY F FENWICK
216 S UNION ST
STEVEN P &
LISA R BUCHMEIER
PRAIRIE STREET
5-INCHES ASPHALTIC SURFACE OVER
10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
ASPHALT
BUILDING

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

EXACT LOCATION OF COLORED CONCRETE PAVEMENT 8-INCH CROSSWALK MAY NEED TO BE ADJUSTED IN THE FIELD TO ALIGN WITH DETECTABLE WARNING FIELD LOCATION.

FIELD VERIFY ELEVATIONS ON PRAIRIE ST DUE TO RECENT RECONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - S. UNION STREET/PRAIRIE STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 05.dgn 2/5/2013 9:20:04 AM bhuibregtse

DIVISION STREET/STH 58

503+00

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

887.57

CONCRETE CURB & GUTTER 30-INCH TYPE A

887.40

CURB RAMP TYPE 2

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

887.30

CONCRETE SIDEWALK 5-INCH

9'

5'

12:1 MAX

887.24

887.20

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (33' RT.)

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (36' RT.)

5-INCHES ASPHALTIC SURFACE OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

20'

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D. (56' RT.)

TREE STUMP

CONCRETE SIDEWALK

GUY

GENEVIEVE STREET

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D

885.96

885.55

CONCRETE CURB & GUTTER 30-INCH TYPE A

886.07

CURB RAMP TYPE 2

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

886.12

886.65

12:1 MAX

886.15

886.70

886.18

UTILITY POLE

STREET SIGN (TYP.)

GUY

9'

5'

EXISTING CONCRETE SIDEWALK TO REMAIN

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 503+27)

CONCRETE SIDEWALK 5-INCH (TYP.)

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (36' RT.)

CONCRETE SIDEWALK

NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

N

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - DIVISION STREET/GENEVIEVE STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 06.dgn 2/5/2013 9:20:06 AM bhuibregtse

2

EXISTING CONCRETE SIDEWALK TO REMAIN

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (37.5' LT.)

STA. 510+00.31
43.58' LT.
R 22.0'

STREET SIGN

EXISTING CONCRETE CURB & GUTTER TO REMAIN

EXISTING STORM SEWER INLET TO REMAIN

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (36.5' LT.)

MATCH EXISTING PAVEMENT, SAWING CONCRETE REQ'D. (35.5' LT.)

ELMBERTA STREET

ASPHALT

CONCRETE SIDEWALK 5-INCH

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 509+98)

CURB RAMP TYPE 2 (MODIFIED)

4'

5% MAX

5'

5% MAX

2% MAX

2% MAX

12:1 MAX

878.07

878.14

12:1 MAX

878.10

CONCRETE DRIVEWAY 7-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (STA. 509+68)

5.5'

UTILITY POLE

CONCRETE CURB & GUTTER 30-INCH TYPE D

2'x2' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

2'

4-INCH CURB HEAD

878.12

878.13

EXISTING CONCRETE CURB & GUTTER TO REMAIN

5-INCHES ASPHALTIC SURFACE OVER 10-INCHES BASE AGGREGATE DENSE 1¼-INCH

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (STA. 510+00)

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

EXISTING STORM SEWER INLET TO REMAIN

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D. (STA. 510+00)

DIVISION STREET/STH 58/STH 82

PT = 509+68.26

END CONCRETE PAVEMENT 8-INCH, BEGIN MILL & OVERLAY (STA. 509+68)

510+00

PI = 510+54.87

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (STA. 510+03)

CONCRETE CURB & GUTTER 30-INCH TYPE D

2'x4' CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (STA. 510+11)

CONCRETE CURB & GUTTER 30-INCH TYPE A

MATCH EXISTING CURB & GUTTER, SAWING CONCRETE REQ'D. (STA. 509+68)

EXISTING CONCRETE CURB & GUTTER TO REMAIN

EXISTING CONCRETE CURB & GUTTER TO REMAIN

LIGHT POLE

HYDRANT

EXISTING STORM SEWER INLET (TYP.)

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 510+00)

878.45

878.42

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 510+15)

5' 5'

12:1 MAX

5% MAX

2% MAX

5% MAX

STREET SIGN (TYP.)

878.66

878.61

CURB RAMP TYPE 7B (MODIFIED)

CONCRETE SIDEWALK 5-INCH

EXISTING CONCRETE SIDEWALK TO REMAIN

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. (STA. 509+49)

EXISTING CONCRETE SIDEWALK TO REMAIN

CONCRETE SIDEWALK 5-INCH

EXISTING CONCRETE SIDEWALK TO REMAIN

CITY OF MAUSTON

N

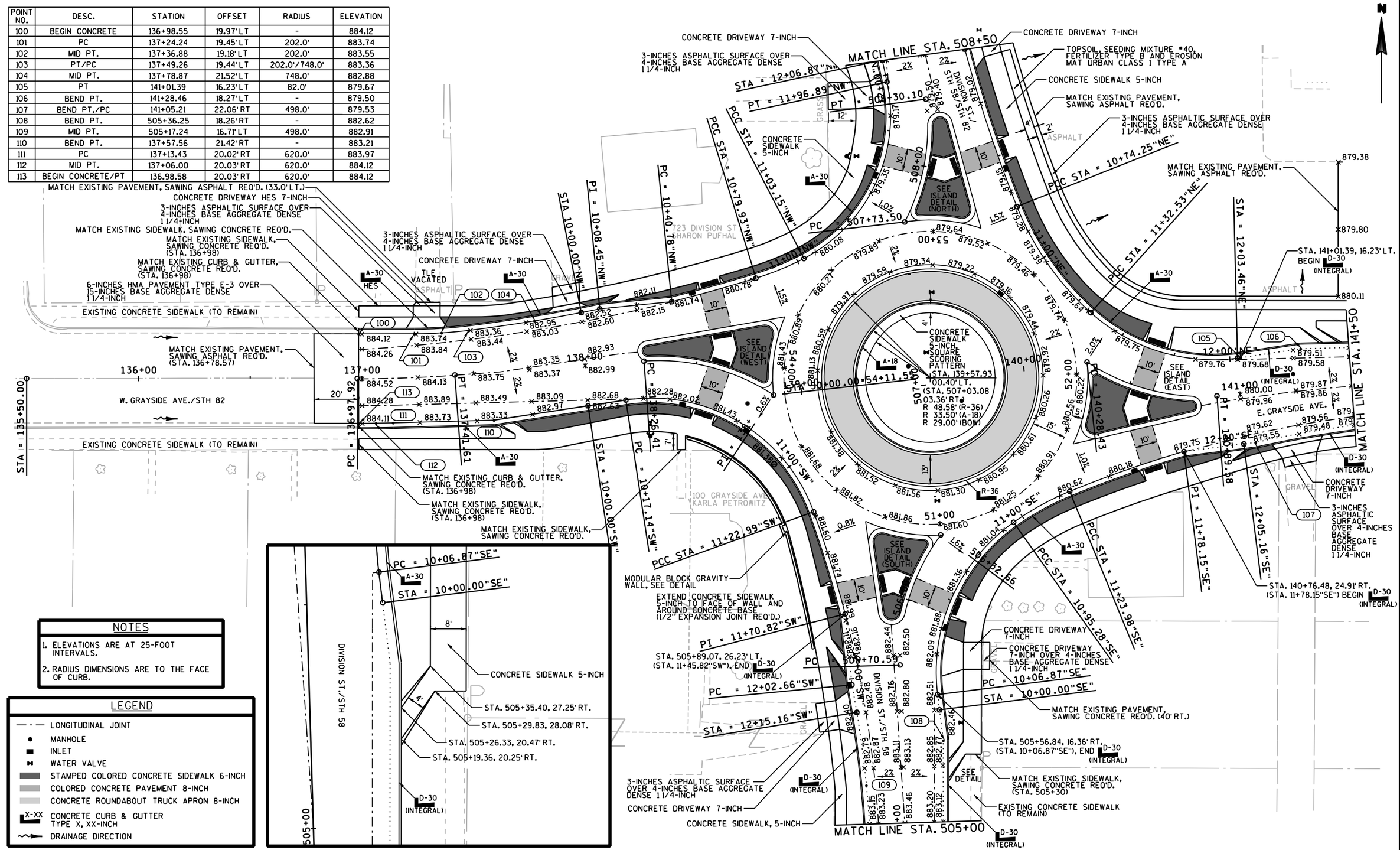
NOTE: ADJUST GRADES TO ACCOMMODATE FIELD CONDITIONS.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CURB RAMP DETAILS - DIVISION STREET/ELMBERTA STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Ramp 07.dgn 2/5/2013 9:20:08 AM bhuibregtse

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
100	BEGIN CONCRETE	136+98.55	19.97'LT	-	884.12
101	PC	137+24.24	19.45'LT	202.0'	883.74
102	MID PT.	137+36.88	19.18'LT	202.0'	883.55
103	PT/PC	137+49.26	19.44'LT	202.0'/748.0'	883.36
104	MID PT.	137+78.87	21.52'LT	748.0'	882.88
105	PT	141+01.39	16.23'LT	82.0'	879.67
106	BEND PT.	141+28.46	18.27'LT	-	879.50
107	BEND PT./PC	141+05.21	22.06'RT	498.0'	879.53
108	BEND PT.	505+36.25	18.26'RT	-	882.62
109	MID PT.	505+17.24	16.71'LT	498.0'	882.91
110	BEND PT.	137+57.56	21.42'RT	-	883.21
111	PC	137+13.43	20.02'RT	620.0'	883.97
112	MID PT.	137+06.00	20.03'RT	620.0'	884.12
113	BEGIN CONCRETE/PT	136.98.58	20.03'RT	620.0'	884.12



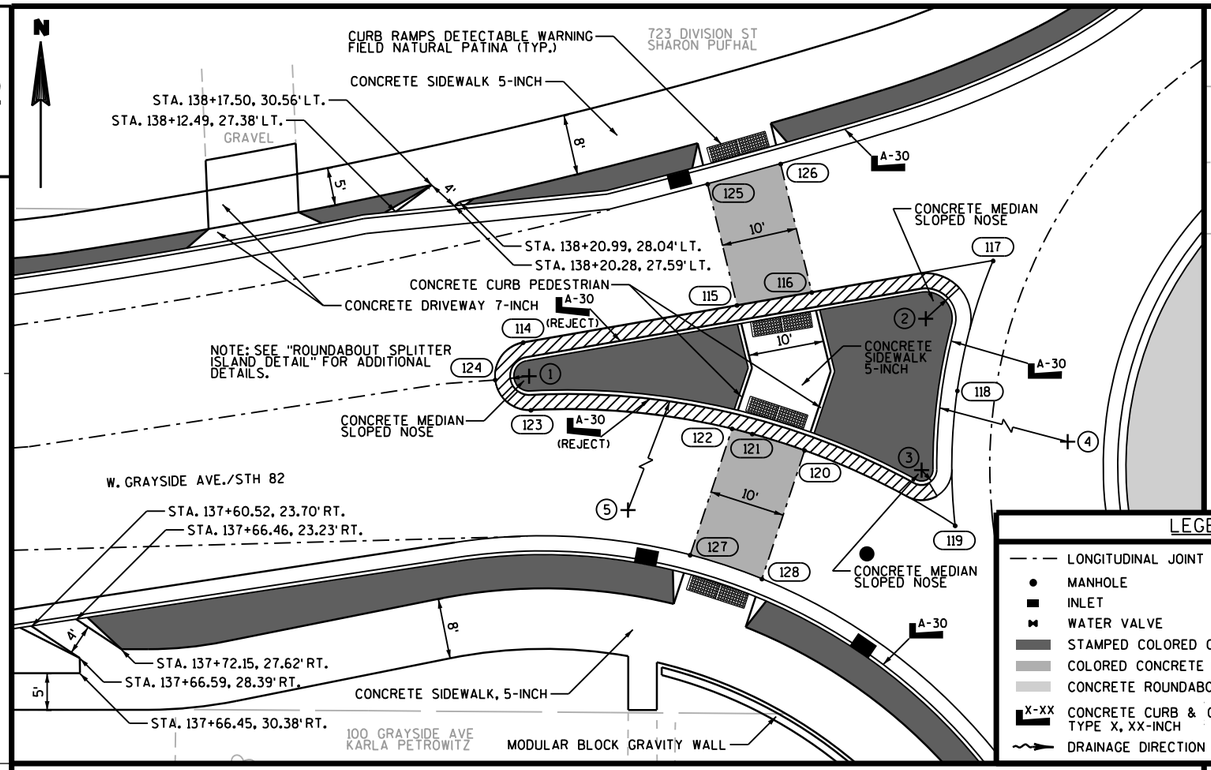
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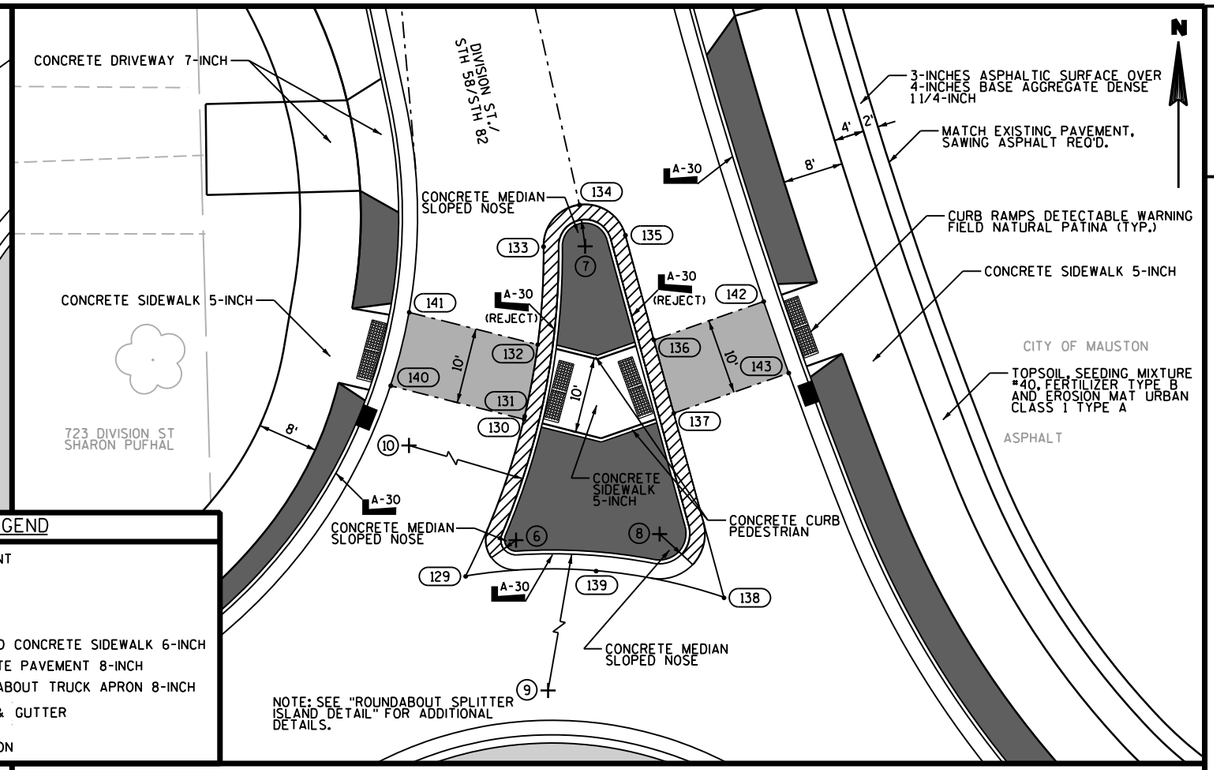
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET 32	E





CURB AND GUTTER DATA

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
114	PT	138+27.88	08.97' LT	4.5'	882.44
115	CROSSWALK	138+52.43	16.03' LT	-	881.61
116	CROSSWALK	138+60.09	20.13' LT	-	881.36
117	PC	138+76.27	32.86' LT	70.5'	880.89
118	MID PT.	138+79.22	15.44' LT	70.5'	881.29
119	PT/PC	138+87.44	0.00' LT	70.5'/93.0'	881.49
120	CROSSWALK	138+65.16	0.00' LT	93.0'	881.75
121	MID PT.	138+57.90	0.00' LT	93.0'	881.83
122	CROSSWALK	138+55.15	0.00' LT	93.0'	881.86
123	PT/PC	138+28.37	0.00' LT	93.0'/4.5'	882.58
124	MID PT.	138+23.97	0.00' LT	4.5'	882.51
125	CROSSWALK	10"NW"+54.12	0.00' LT	752.0'	881.35
126	CROSSWALK	10"NW"+64.12	0.00' LT	752.0'	881.09
127	CROSSWALK	10"SW"+48.46	0.00' LT	77.0'	881.68
128	CROSSWALK	10"SW"+58.47	0.00' LT	77.0'	881.57

RADIUS DATA

POINT NO.	STATION	OFFSET	RADIUS
①	138+28.37	04.50' LT	2.5'
②	138+72.59	22.13' LT	4.0'
③	138+80.01	04.00' LT	2.0'
④	139+57.93	00.40' LT	72.5'
⑤	138+26.41	93.00' RT	95.0'

ISLAND DETAIL (WEST)

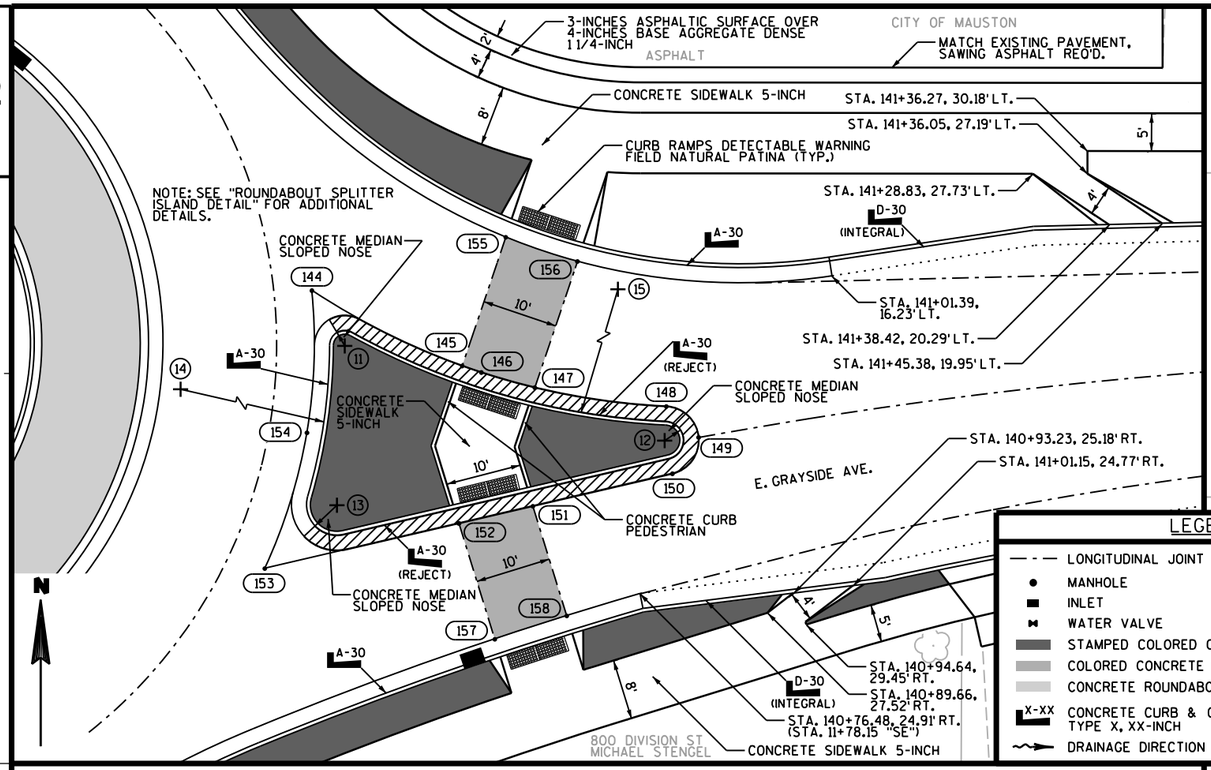
CURB AND GUTTER DATA

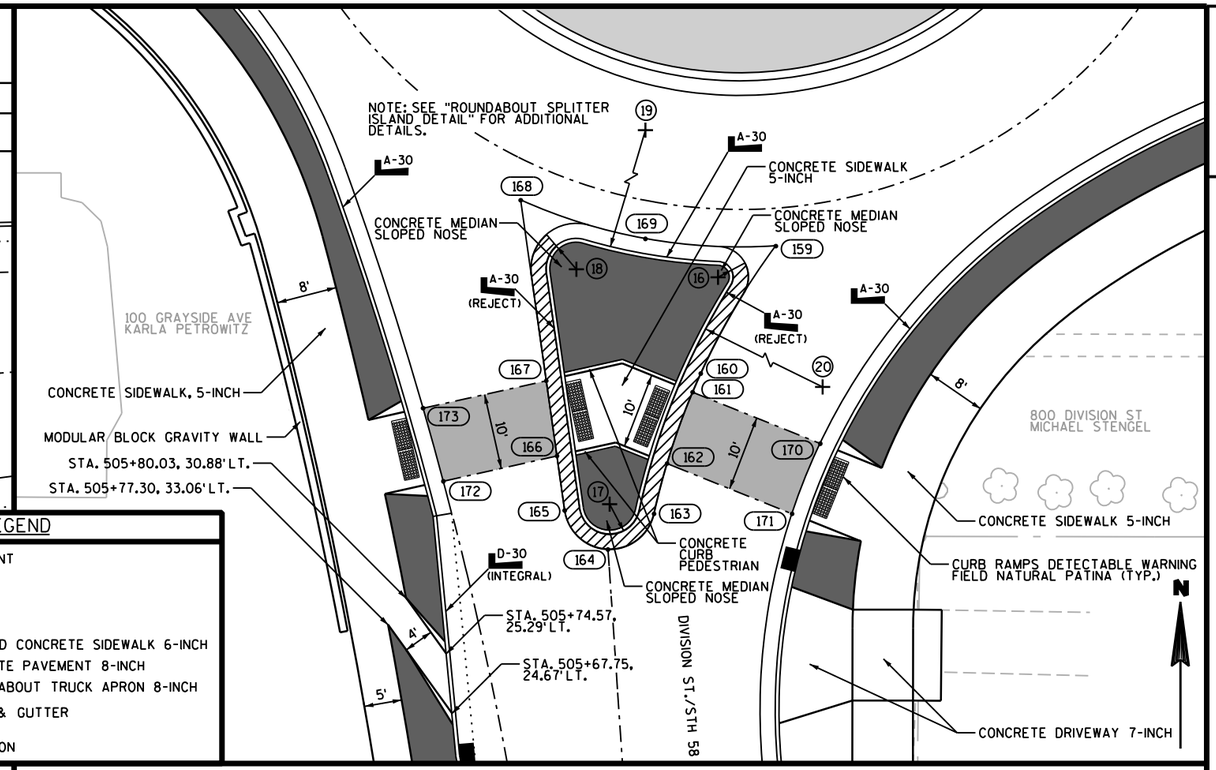
POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
129	PC/PT	507+73.50	0.00' LT	93.0'/70.5'	879.62
130	CROSSWALK	507+95.68	0.00' LT	93.0'	879.47
131	MID PT.	507+96.09	0.00' LT	93.0'	879.47
132	CROSSWALK	508+05.71	0.00' LT	93.0'	879.42
133	PT/PC	508+18.68	0.00' LT	93.0'/5.5'	879.36
134	MID PT.	508+23.86	04.95' RT	5.5'	879.28
135	PT	508+19.92	10.83' RT	5.5'	879.30
136	CROSSWALK	508+07.92	15.16' RT	-	879.36
137	CROSSWALK	508+00.17	19.18' RT	-	879.40
138	PC	507+83.23	32.32' RT	70.5'	879.48
139	MID PT.	507+80.80	15.35' RT	70.5'	879.55
140	CROSSWALK	11"NW"+58.95	0.00' LT	72.0'	879.20
141	CROSSWALK	11"NW"+68.96	0.00' LT	72.0'	879.11
142	CROSSWALK	10"NE"+42.91	0.00' LT	632.0'	879.04
143	CROSSWALK	10"NE"+52.91	0.00' LT	632.0'	879.09

RADIUS DATA

POINT NO.	STATION	OFFSET	RADIUS
⑥	507+80.49	04.00' RT	2.0'
⑦	508+18.68	05.50' RT	3.5'
⑧	507+87.12	21.44' RT	4.0'
⑨	507+03.08	03.36' RT	72.5'
⑩	508+30.10	93.00' LT	95.0'

ISLAND DETAIL (NORTH)





CURB AND GUTTER DATA

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
144	PC/PT	140+28.43	0.00'LT	93.0'/70.5'	880.08
145	CROSSWALK	140+50.70	0.00'LT	93.0'	880.16
146	MID PT.	140+53.36	0.00'LT	93.0'	880.17
147	CROSSWALK	140+60.71	0.00'LT	93.0'	880.20
148	PT/PC	140+78.28	0.00'LT	93.0'/4.5'	880.13
149	MID PT.	140+82.58	03.98'RT	4.5'	880.09
150	PT	140+79.41	08.84'RT	4.5'	880.03
151	CROSSWALK	140+63.65	15.33'RT	-	880.15
152	CROSSWALK	140+56.15	19.92'RT	-	880.28
153	PT/PC	140+39.40	34.94'RT	70.5'	880.54
154	MID PT.	140+36.78	16.46'RT	70.5'	880.31
155	CROSSWALK	11"NE"+60.93	0.00'LT	82.0'	879.80
156	CROSSWALK	11"NE"+70.94	0.00'LT	82.0'	879.84
157	CROSSWALK	11"SE"+58.08	0.00'LT	502.0'	879.92
158	CROSSWALK	11"SE"+68.05	0.00'LT	502.0'	879.79

RADIUS DATA

POINT NO.	STATION	OFFSET	RADIUS
⑪	140+35.78	04.00'RT	2.0'
⑫	140+78.28	04.50'RT	2.5'
⑬	140+43.20	23.27'RT	4.0'
⑭	139+57.93	00.40'LT	72.5'
⑮	140+89.58	93.00'LT	95.0'

ISLAND DETAIL (EAST)

CURB AND GUTTER DATA

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
159	PC/PT	506+32.66	0.00'LT	93.0'/70.5'	881.50
160	MID PT.	506+13.09	0.00'LT	93.0'	881.81
161	CROSSWALK	506+10.41	0.00'LT	93.0'	881.88
162	CROSSWALK	506+00.39	0.00'LT	93.0'	882.05
163	PT/PC	505+93.53	0.00'LT	93.0'/6.0'	882.17
164	MID PT.	505+87.93	05.11'LT	6.0'	882.33
165	PT	505+91.67	11.64'LT	6.0'	882.28
166	CROSSWALK	505+97.61	14.26'LT	-	882.21
167	CROSSWALK	506+05.32	18.56'LT	-	882.12
168	PC	506+21.31	31.60'LT	70.5'	881.84
169	MID PT.	506+24.48	14.82'LT	70.5'	881.73
170	CROSSWALK	10"SE"+53.38	0.00'LT	82.0'	881.52
171	CROSSWALK	10"SE"+43.38	0.00'LT	82.0'	881.69
172	CROSSWALK	11"SW"+66.41	0.00'LT	502.0'	881.98
173	CROSSWALK	11"SW"+56.39	0.00'LT	502.0'	881.92

RADIUS DATA

POINT NO.	STATION	OFFSET	RADIUS
⑯	506+25.14	04.00'LT	2.0'
⑰	505+93.53	06.00'LT	4.0'
⑱	506+17.79	20.80'LT	4.0'
⑲	507+03.08	03.36'RT	72.5'
⑳	505+70.59	93.00'RT	95.0'

ISLAND DETAIL (SOUTH)

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
100	PC	137+53.94	30.16'LT.	100.0'	883.88
101	MID PT.	137+61.34	29.91'LT.	100.0'	883.72
102	PT/PC	137+68.75	30.20'LT.	100.0'/738.5'	883.60
103	MID PT.	10"NW"+23.08	11.23'LT.	738.5'	882.71
104	PT/PC	10"NW"+79.93	13.50'LT.	738.5'/113.5'	881.40
105	MID PT.	10"NW"+91.54	13.50'LT.	113.5'	881.10
106	PT/PC	11"NW"+03.15	13.50'LT.	113.5'/58.5'	880.82
107	MID PT.	11"NW"+18.44	13.50'LT.	58.5'	880.52
108	PT/PC	11"NW"+33.72	13.50'LT.	58.5'/42.0'	880.23
109	MID PT.	11"NW"+46.60	13.87'LT.	42.0'	879.99
110	PT	11"NW"+59.57	14.95'LT.	42.0'	879.85
111	PC	11"NW"+69.54	15.50'LT.	56.5'	879.80
112	MID PT.	11"NW"+93.32	15.50'LT.	56.5'	879.68
113	PT/PC	508+54.28	35.09'LT.	56.5'/60.0'	879.64
114	MID PT.	508+67.69	38.41'LT.	60.0'	879.66
115	PT	508+81.50	38.58'LT.	60.0'	879.52

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
200	PC	509+14.38	30.75'RT.	616.5'	879.16
201	MID PT.	10"NE"+05.30	15.50'LT.	616.5'	879.58
202	PT/PC	10"NE"+74.25	15.50'LT.	616.5'/111.5'	879.93
203	MID PT.	10"NE"+98.47	15.50'LT.	111.5'	880.11
204	PT/PC	11"NE"+22.69	15.50'LT.	111.5'/52.0'	880.30
205	MID PT.	11"NE"+47.98	17.30'LT.	52.0'	880.55
206	PT	11"NE"+74.95	21.03'LT.	52.0'	880.77
207	BACK OF SIDEWALK	141+36.64	35.17'LT.	-	880.34

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
400	PC	137+75.14	35.86'RT.	60.0'	883.73
401	MID PT.	137+80.97	35.99'RT.	60.0'	883.68
402	PT	137+86.78	35.55'RT.	60.0'	883.60
403	PC	10"SW"+14.24	15.03'RT.	63.65'	883.11
404	MID PT.	10"SW"+28.22	14.94'RT.	63.65'	882.83
405	PT	10"SW"+42.89	14.87'RT.	63.65'	882.54
406	PC	10"SW"+47.67	14.83'RT.	63.65'	882.45
407	MID PT.	10"SW"+89.76	14.28'RT.	63.65'	882.04
408	PT/PC	11"SW"+30.11	13.81'RT.	63.65'/670.5'	882.32
409	MID PT.	11"SW"+91.51	14.19'RT.	670.5'	882.87
410	PT	505+15.07	30.72'LT.	670.5'	883.66

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
300	PC	10"SE"+31.11	19.28'RT.	52.0'	882.84
301	MID PT.	10"SE"+58.34	16.47'RT.	52.0'	882.15
302	PT/PC	10"SE"+85.00	15.50'RT.	52.0'/66.5'	881.80
303	MID PT.	10"SE"+90.14	15.50'RT.	66.5'	881.75
304	PT/PC	10"SE"+95.28	15.50'RT.	66.5'/111.5'	881.71
305	MID PT.	11"SE"+09.63	15.50'RT.	111.5'	881.53
306	PT/PC	11"SE"+23.98	15.50'RT.	111.5'/486.5'	881.27
307	MID PT.	11"SE"+46.58	15.50'RT.	486.5'	880.85
308	PT	11"SE"+69.17	15.50'RT.	486.5'	880.49
309	PC	12"SE"+03.98	11.12'RT.	250.0'	880.18
310	MID PT.	141+36.56	27.83'RT.	250.0'	879.99
311	PT	141+74.84	27.56'RT.	250.0'	879.91

*SEE PAVING DETAIL SHEETS FOR ADDITIONAL SIDEWALK INFORMATION

LEGEND
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH

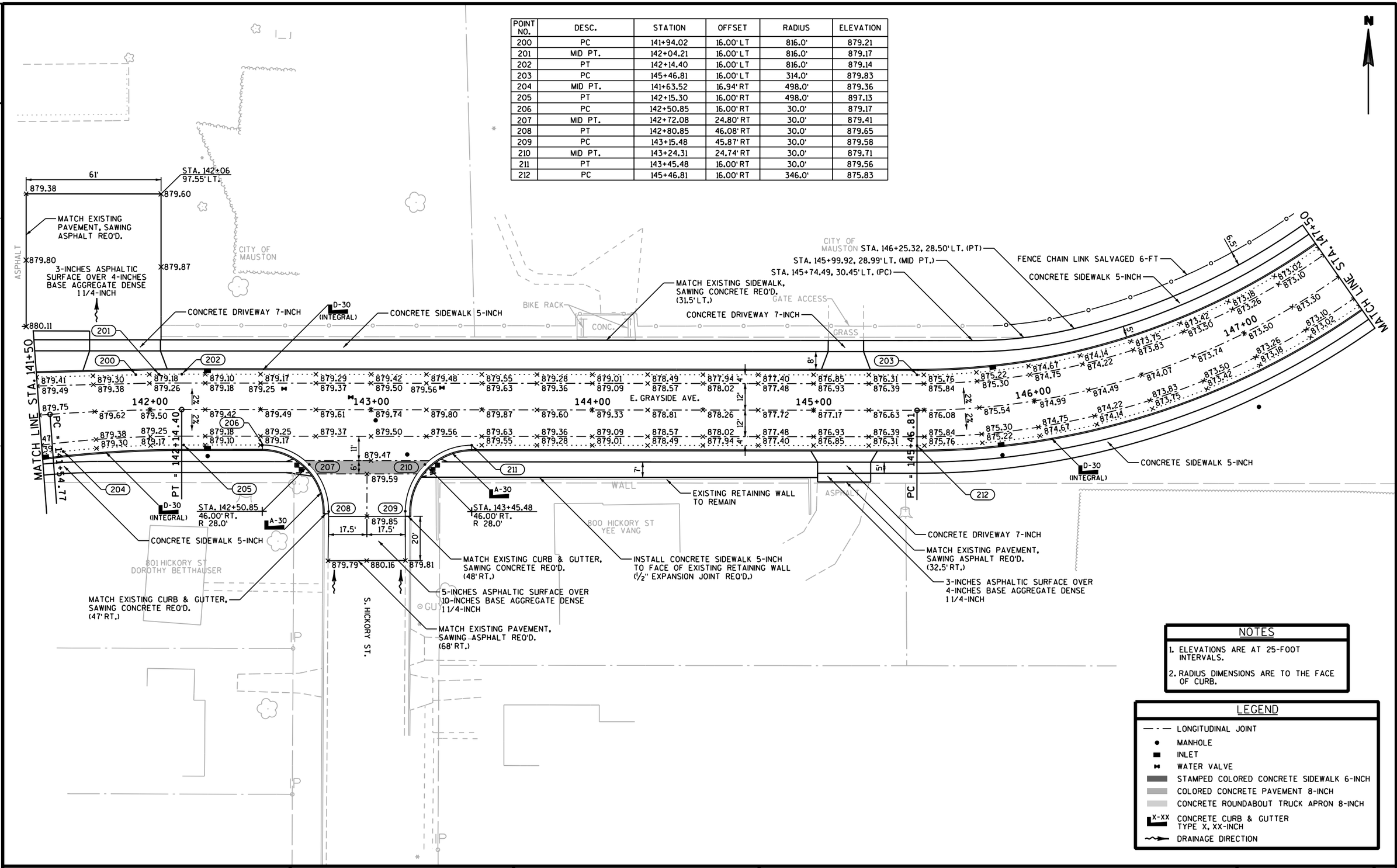
EXTEND CONCRETE SIDEWALK 5-INCH TO FACE OF WALL AND AROUND CONCRETE BASE (1/2" EXPANSION JOINT REQ'D.), SEE "WALL MODULAR BLOCK GRAVITY" DETAIL

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ROUNDABOUT SIDEWALK DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Roundabout Sidewalk Detail.dgn 2/5/2013 9:20:16 AM bhuibregtse

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
200	PC	141+94.02	16.00' LT	816.0'	879.21
201	MID PT.	142+04.21	16.00' LT	816.0'	879.17
202	PT	142+14.40	16.00' LT	816.0'	879.14
203	PC	145+46.81	16.00' LT	314.0'	879.83
204	MID PT.	141+63.52	16.94' RT	498.0'	879.36
205	PT	142+15.30	16.00' RT	498.0'	897.13
206	PC	142+50.85	16.00' RT	30.0'	879.17
207	MID PT.	142+72.08	24.80' RT	30.0'	879.41
208	PT	142+80.85	46.08' RT	30.0'	879.65
209	PC	143+15.48	45.87' RT	30.0'	879.58
210	MID PT.	143+24.31	24.74' RT	30.0'	879.71
211	PT	143+45.48	16.00' RT	30.0'	879.56
212	PC	145+46.81	16.00' RT	346.0'	875.83



NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

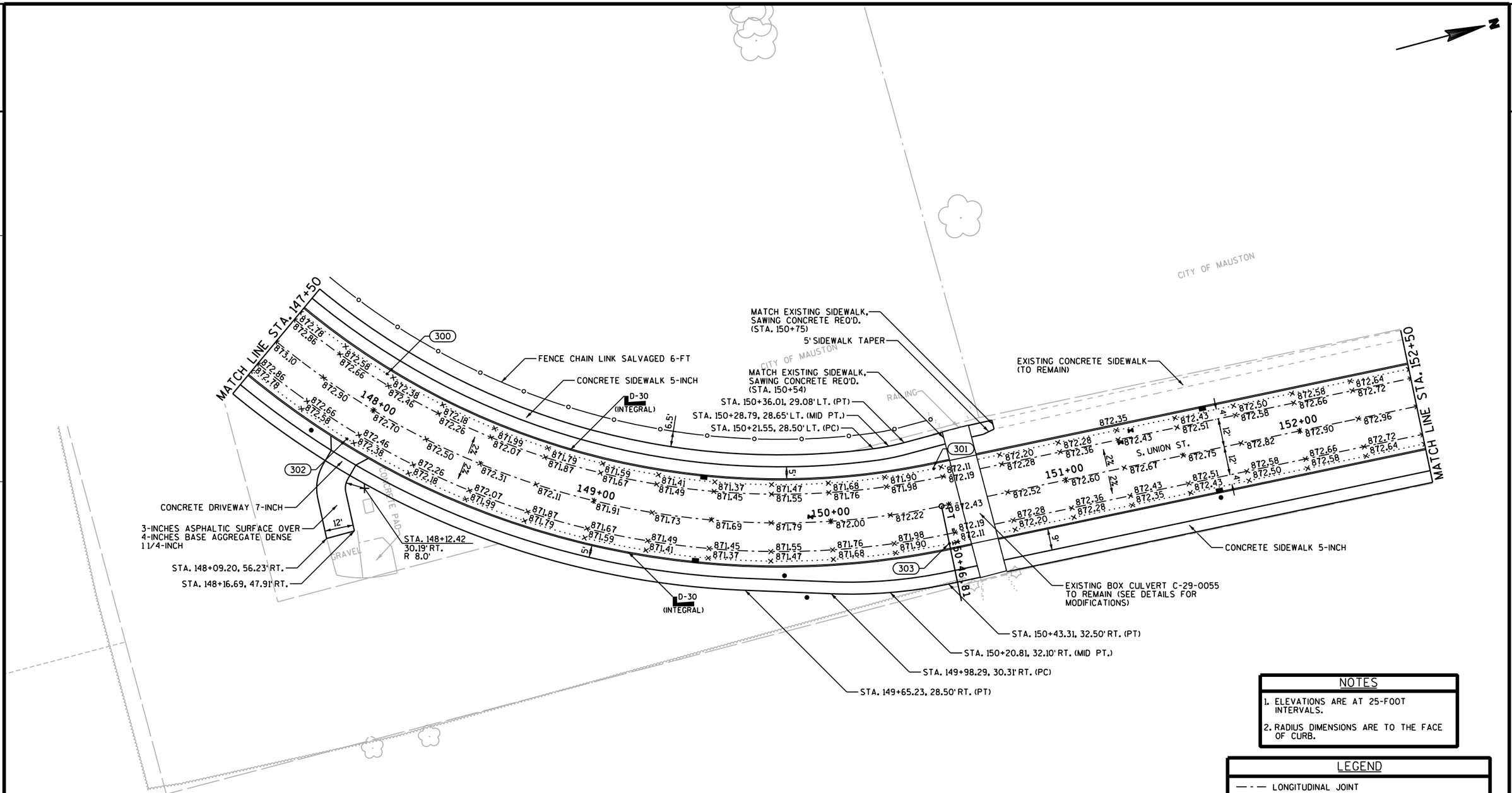
- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Paving Detail 02.dgn 2/5/2013 9:20:19 AM bhuibregtse

2



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
300	MID PT.	147+96.81	16.00' LT	314.0'	872.40
301	PT	150+46.81	16.00' LT	314.0'	872.09
302	MID PT.	147+96.81	16.00' RT	346.0'	872.40
303	PT	150+46.81	16.00' RT	346.0'	872.09

NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

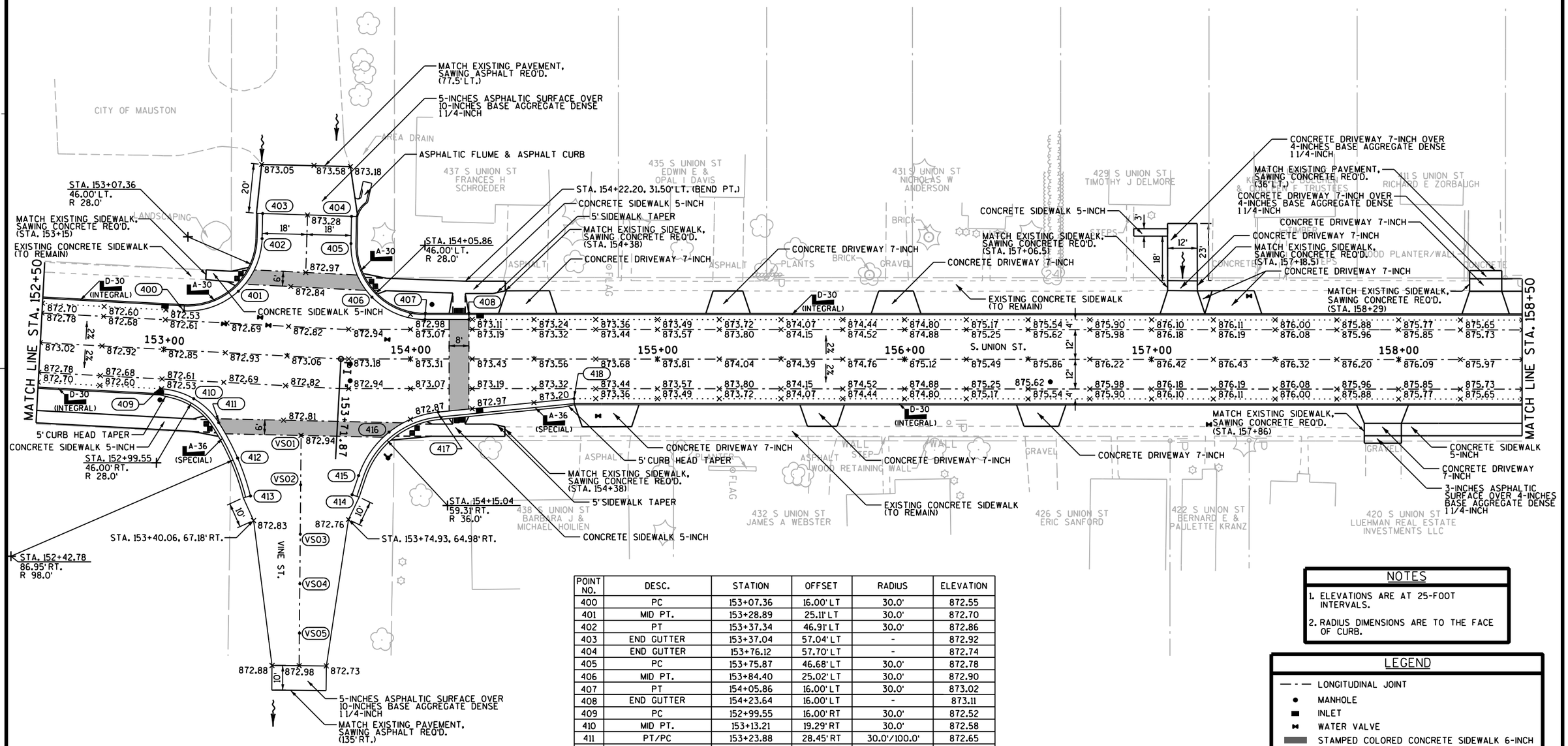
LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Paving Detail 03.dgn 2/5/2013 9:20:21 AM bhuibregtse



POINT NO.	DESC.	STATION	OFFSET	ELEVATION
VS01	CL	153+57.77	32.67' RT	872.94
VS02	CL	153+58.69	52.65' RT	873.14
VS03	CL	153+59.61	72.63' RT	873.22
VS04	CL	153+60.53	92.61' RT	873.12
VS05	CL	153+61.45	112.59' RT	873.02

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
400	PC	153+07.36	16.00' LT	30.0'	872.55
401	MID PT.	153+28.89	25.11' LT	30.0'	872.70
402	PT	153+37.34	46.91' LT	30.0'	872.86
403	END GUTTER	153+37.04	57.04' LT	-	872.92
404	END GUTTER	153+76.12	57.70' LT	-	872.74
405	PC	153+75.87	46.68' LT	30.0'	872.78
406	MID PT.	153+84.40	25.02' LT	30.0'	872.90
407	PT	154+05.86	16.00' LT	30.0'	873.02
408	END GUTTER	154+23.64	16.00' LT	-	873.11
409	PC	152+99.55	16.00' RT	30.0'	872.52
410	MID PT.	153+13.21	19.29' RT	30.0'	872.58
411	PT/PC	153+23.88	28.45' RT	30.0'/100.0'	872.65
412	MID PT.	153+23.88	28.45' RT	100.0'	872.73
413	PT	153+38.29	57.34' RT	100.0'	872.81
414	END GUTTER	153+76.41	54.95' RT	-	872.67
415	PC	153+79.02	47.19' RT	38.0'	872.71
416	MID PT.	153+91.35	29.59' RT	38.0'	872.81
417	PT	154+11.25	21.50' RT	38.0'	872.93
418	BEND PT.	154+66.24	16.00' RT	-	872.32

NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

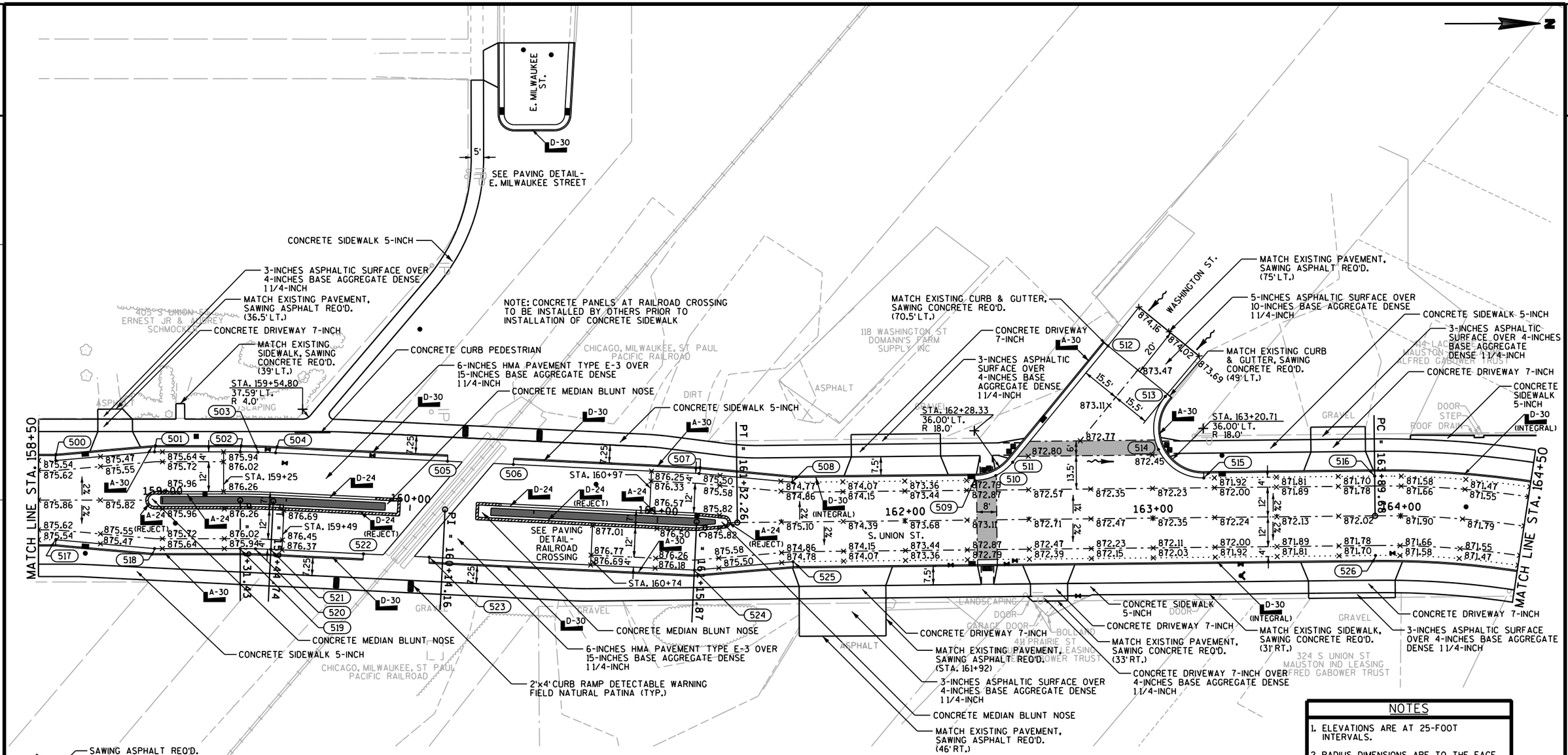
LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Paving Detail 04.dgn 2/5/2013 9:20:23 AM bhuibregtse



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
500	BEND PT.	158+56.98	16.00'LT	-	875.53
501	BEND PT.	158+96.82	19.50'LT	-	875.92
502	PC	159+31.43	19.50'LT	294.5'	875.98
503	MID PT.	159+38.08	19.50'LT	294.5'	876.18
504	PT	159+44.74	19.50'LT	294.5'	876.31
505	END GUTTER	160+14.20	19.50'LT	-	877.45
506	BEGIN GUTTER	160+40.83	19.50'LT	-	877.37
507	BEND PT.	161+15.87	19.50'LT	-	875.69
508	BEND PT.	161+54.61	16.00'LT	-	874.63
509	PC	162+28.33	16.00'LT	20.0'	872.73
510	MID PT.	162+36+79	17.88'LT	20.0'	872.80
511	PT	162+43.66	23.16'LT	20.0'	872.86
512	END GUTTER	162+82.64	69.68'LT	-	873.47
513	PC	163+06.34	49.97'LT	20.0'	873.14

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
514	MID PT.	163+02.53	27.65'LT	20.0'	872.54
515	PT	163+20.71	16.00'LT	20.0'	871.94
516	PC	163+89.68	16.00'LT	391.0'	871.63
517	BEND PT.	158+56.98	16.00'RT	-	875.53
518	BEND PT.	158+96.82	19.50'RT	-	875.92
519	PC	159+31.43	19.50'RT	255.5'	875.97
520	MID PT.	159+38.08	19.50'RT	255.5'	876.07
521	PT	159+44.74	19.50'RT	255.5'	876.22
522	END GUTTER	159+82.14	19.50'RT	-	876.91
523	BEGIN GUTTER	160+08.73	19.50'RT	-	876.91
524	BEND PT.	161+15.87	19.50'RT	-	875.69
525	BEND PT.	161+54.61	19.50'RT	-	874.63
526	PC	163+89.68	16.00'RT	359.0'	871.63

NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

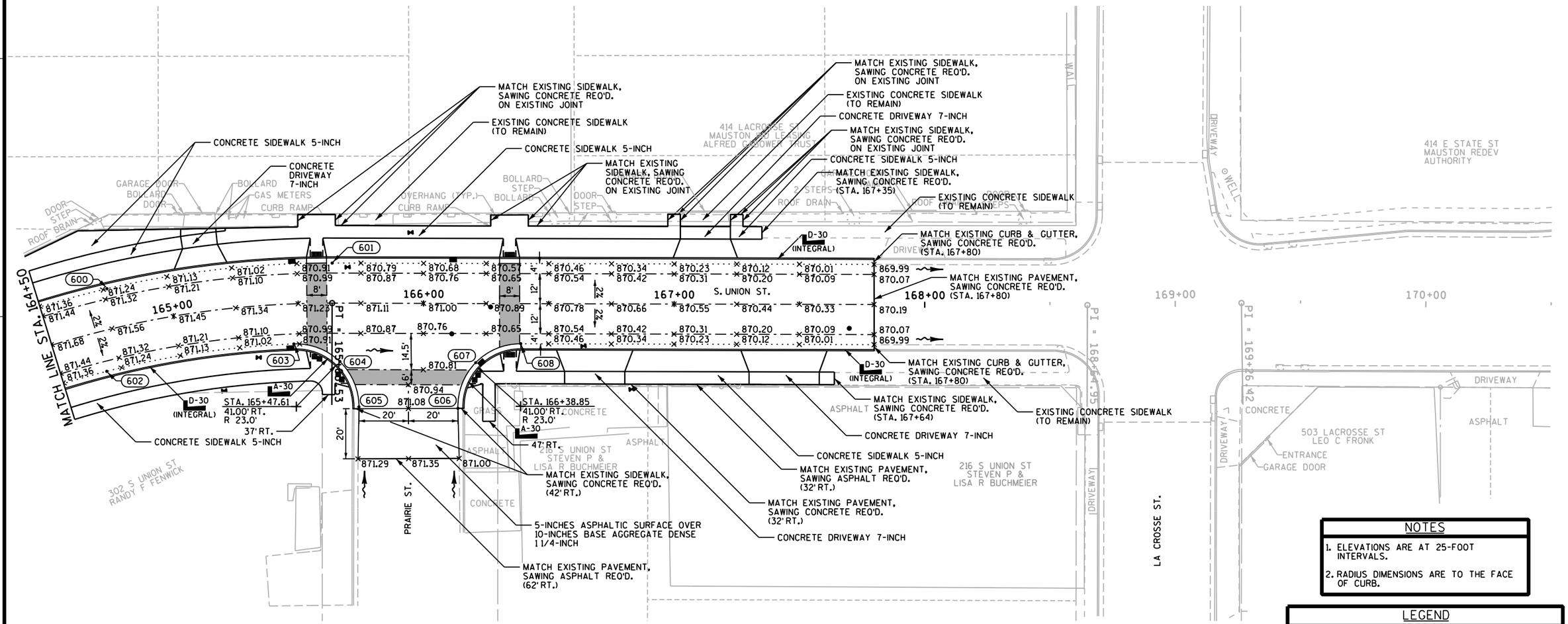
- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET 39	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Paving Detail 05.dgn 2/5/2013 9:20:25 AM bhuibregtse

2



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
600	MID PT.	164+76.60	16.00' LT	391.0'	871.23
601	PT	165+63.52	16.00' LT	391.0'	870.85
602	MID PT.	164+68.64	16.00' RT	359.0'	871.27
603	PT/PC	165+47.61	16.00' RT	359.0'/25.0'	870.92
604	MID PT.	165+66.68	23.28' RT	25.0'	871.07
605	PT	165+74.36	42.12' RT	25.0'	871.22
606	PC	166+13.87	41.86' RT	25.0'	870.93
607	MID PT.	166+20.87	23.63' RT	25.0'	870.42
608	PT	166+38.85	16.00' RT	25.0'	870.51

NOTES

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2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

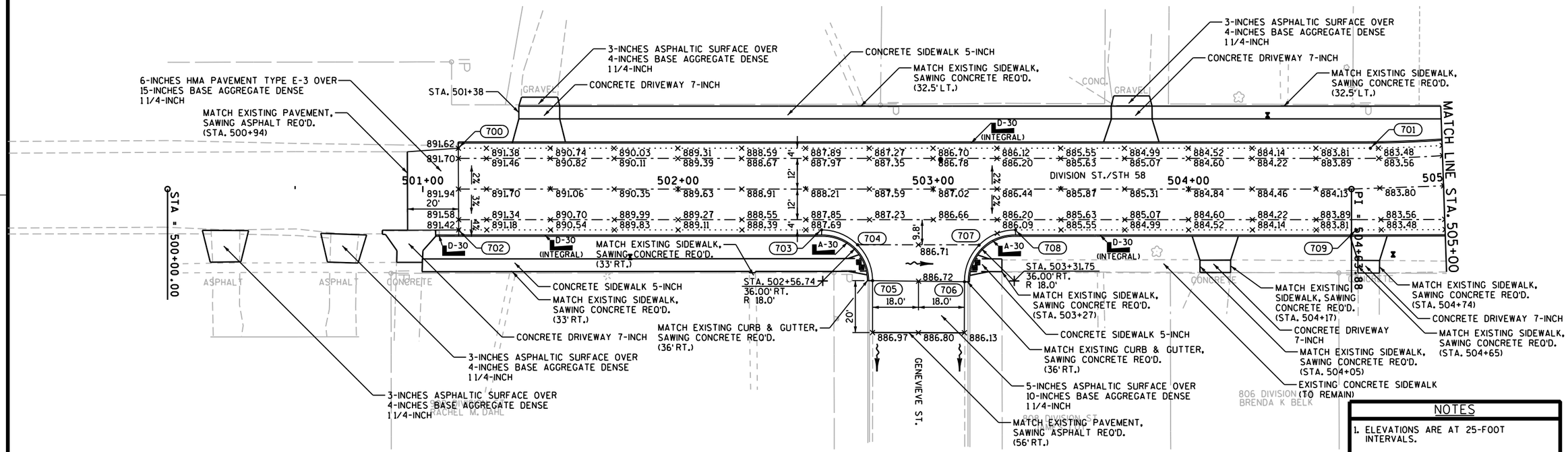
LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET 40	E

2

N



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
700	BEGIN GUTTER	501+13.93	16.00' LT	-	891.62
701	PC	504+71.83	15.73' LT	498.0'	883.52
702	BEGIN GUTTER	501+14.07	16.00' RT	-	891.42
703	PC	502+56.25	16.00' RT	20.0'	887.57
704	MID PT.	502+70.36	21.82' RT	20.0'	887.40
705	PT	502+76.25	35.90' RT	20.0'	887.20
706	PC	503+12.26	36.34' RT	20.0'	886.18
707	MID PT.	502+17.99	21.98' RT	20.0'	886.07
708	PT	503+32.26	16.00' RT	20.0'	885.96
709	BEND PT.	504+65.39	16.00' RT	-	883.62

NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

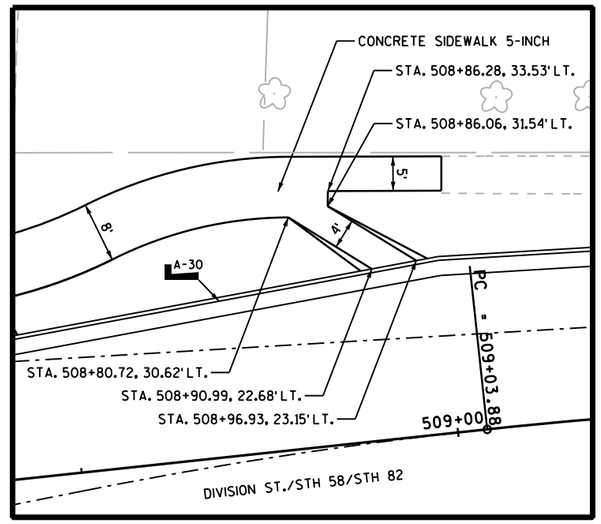
LEGEND

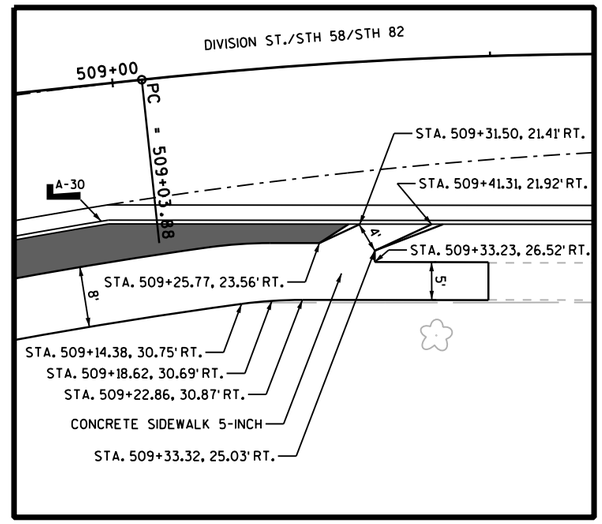
- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

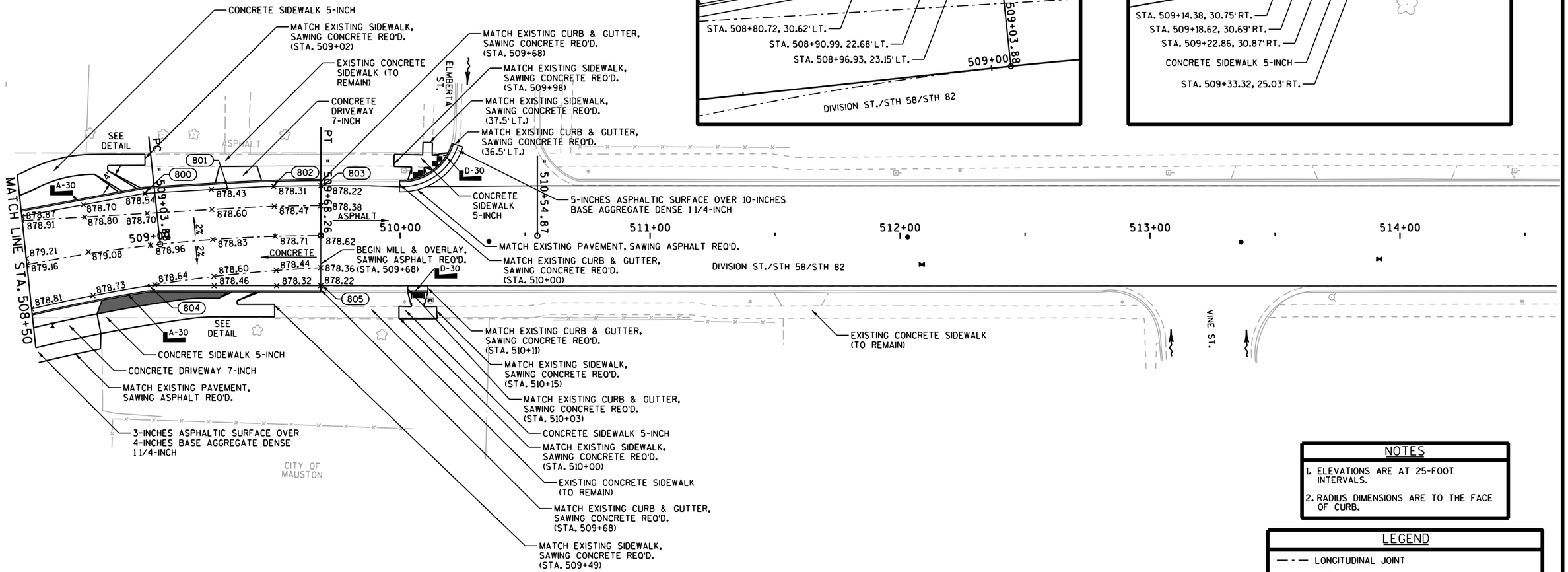
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Paving Detail 07.dgn 2/5/2013 9:20:29 AM bhuibregtse







POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
800	BEND PT.	508+99.88	20.87'LT	-	878.54
801	PC	509+31.96	20.00'LT	620.0'	878.40
802	MID PT.	509+50.11	20.00'LT	620.0'	878.31
803	PT/END GUTTER	509+68.26	20.00'LT	620.0'	878.22
804	PT/BEND PT.	508+97.56	15.96'RT	632.0'	878.65
805	END GUTTER	509+68.26	20.00'RT	-	878.22

NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL	SHEET 42	E

2

SEE PAVING DETAIL-
E. MILWAUKEE STREET

CONCRETE PANEL AT RAILROAD CROSSING
TO BE INSTALLED BY OTHERS PRIOR TO
INSTALLATION OF CONCRETE SIDEWALK

TRACK ELEVATION = 877.45

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

STA. 159+67.62, 34.14' LT. (PC)
STA. 159+71.69, 34.22' LT. (MID PT.)
STA. 159+75.77, 34.25' LT. (PT)

CONCRETE SIDEWALK 5-INCH (TYP.)

CONCRETE CURB PEDESTRIAN

STA. 161+41.66,
31.00' LT. (PT)
STA. 161+34.87,
31.23' LT. (MID PT.)
STA. 161+27.55,
31.89' LT. (PC)

STA. 161+02.06, 33.96' LT. (PT)
STA. 160+98.24, 34.18' LT. (MID PT.)
STA. 160+94.41, 34.25' LT. (PC)

5'

A-30 D-30 A-24 D-24

875.94

CROWN TRANSITION, L=62.0'

6'

605

STA. 159+25
END CONCRETE PAVEMENT,
BEGIN ASPHALT PAVEMENT

2.00%

10' TRANSITION FROM ACCEPTING TO
REJECT CURB & GUTTER (TYP.)

0.47%

S. UNION ST.

601 600 602 603 604

876.26

159+00

160+00

STA. 158+96.78
ON LINE
R 02.5'

611 612 613 615

A-24 (REJECT)

PC = 159+31.43

PT = 159+44.74

876.69

D-24 (REJECT)

0.47%

CROWN TRANSITION,
L=38.0'

876.37

614

STA. 159+49
END CONCRETE PAVEMENT,
BEGIN ASPHALT PAVEMENT

8'

STA. 158+66.27, 30.81' RT (BEND PT.)

8'

607

10' TRANSITION FROM REJECT
TO ACCEPTING CURB & GUTTER
(TYP.)

606

876.25

STA. 160+97
END ASPHALT PAVEMENT,
BEGIN CONCRETE PAVEMENT

CROWN TRANSITION, L=62.0'

876.57

161+00

608 609 610

PT = 161+32.26

STA. 161+26.91
0.25' LT.
R 01.5'

617 618 619

877.01

STA. 160+74
END ASPHALT PAVEMENT,
BEGIN CONCRETE PAVEMENT

PC = 161+15.87

PT = 160+14.18

616

CROWN TRANSITION,
L=38.0'

876.69

TRACK ELEVATION = 877.20

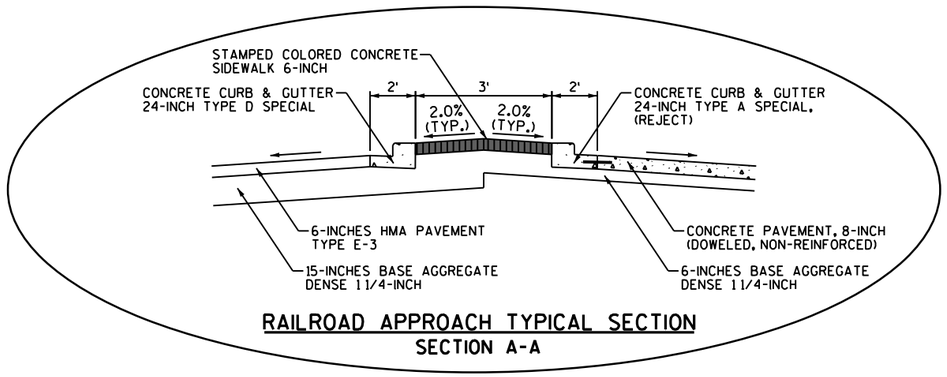
CONCRETE PANEL AT RAILROAD CROSSING
TO BE INSTALLED BY OTHERS PRIOR TO
INSTALLATION OF CONCRETE SIDEWALK

2'x4' CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA (TYP.)

STA. 160+73.48, 34.07' RT (PT)
STA. 160+70.50, 34.21' RT. (MID PT.)
STA. 160+67.52, 34.25' RT (PC)

CONCRETE SIDEWALK 5-INCH

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD



RAILROAD APPROACH TYPICAL SECTION
SECTION A-A

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
600	MID PT.	158+93.28	ON LINE	3.5'	875.91
601	PT	158+96.82	03.50' LT	3.5'	875.93
602	PC	159+31.43	03.50' LT	278.5'	876.36
603	PT	159+44.74	03.50' LT	278.5'	876.61
604	END GUTTER	159+96.01	03.50' LT	-	877.28
605	END GUTTER	160+14.20	19.50' LT	-	877.43
606	BEGIN GUTTER	160+26.66	03.50' LT	-	877.37
607	BEGIN GUTTER	160+40.83	19.50' LT	-	877.27
608	BEND PT.	161+15.87	03.50' LT	-	876.08
609	PC	161+27.04	02.77' LT	2.5'	875.76
610	MID PT.	161+29.40	00.21' LT	2.5'	875.69
611	PC	158+96.82	03.50' RT	3.5'	875.93
612	PC	159+31.43	03.50' RT	271.5'	876.36
613	PT	159+44.74	03.50' RT	271.5'	876.61
614	END GUTTER	159+82.14	19.50' RT	-	877.08
615	END GUTTER	159+96.01	03.50' RT	-	877.25
616	BEGIN GUTTER	160+08.73	19.50' RT	-	877.25
617	BEGIN GUTTER	160+26.66	03.50' RT	-	877.34
618	BEND PT.	161+15.87	03.50' RT	-	876.08
619	PT	161+26.92	02.22' RT	2.5'	875.76

NOTES

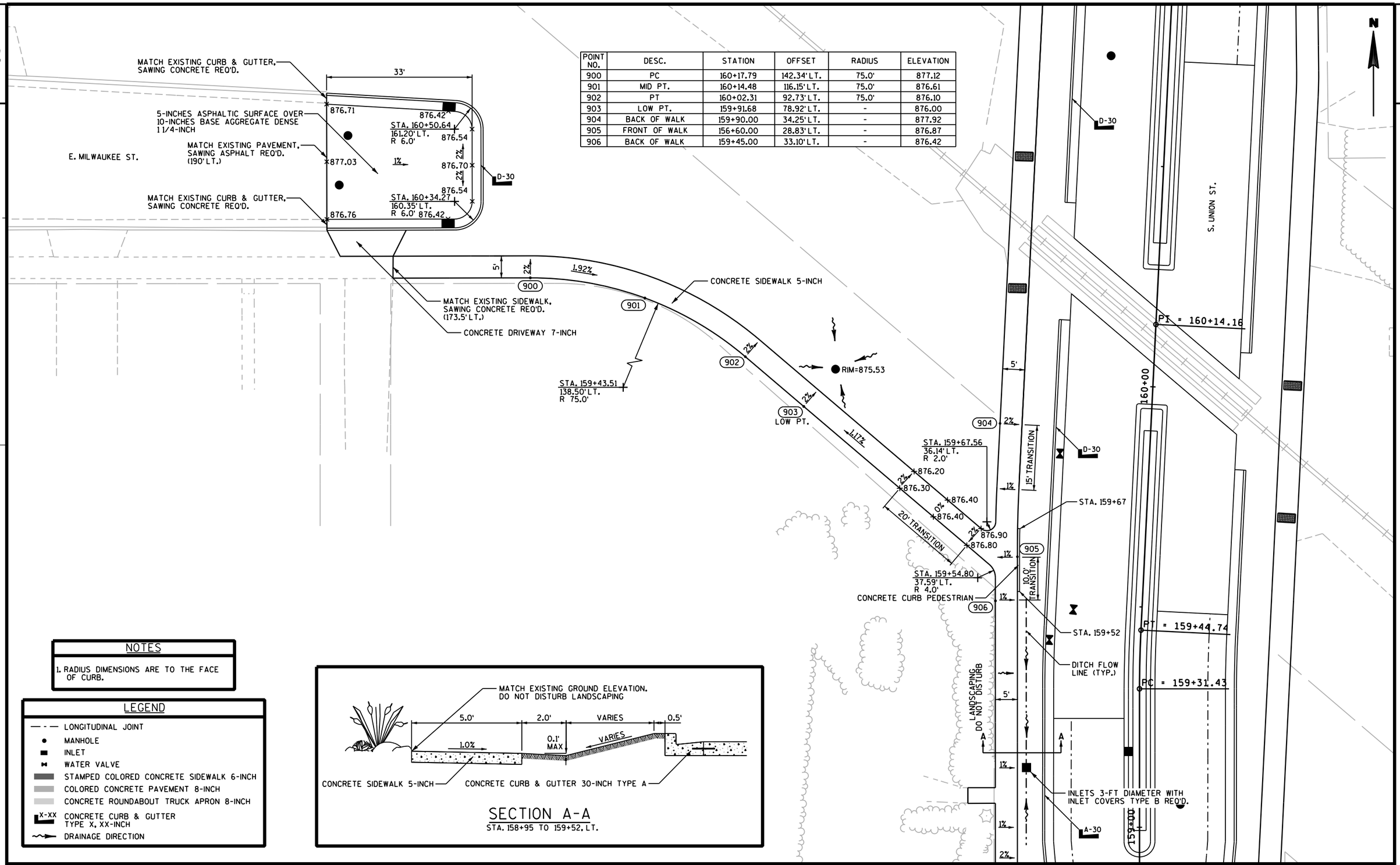
1. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
2. SEE S.D.D. "PAVEMENT DETAIL FOR RAILROAD APPROACH" FOR ADDITIONAL INFORMATION

LEGEND

- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL - RAILROAD CROSSING	SHEET 43	E

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
900	PC	160+17.79	142.34'LT.	75.0'	877.12
901	MID PT.	160+14.48	116.15'LT.	75.0'	876.61
902	PT	160+02.31	92.73'LT.	75.0'	876.10
903	LOW PT.	159+91.68	78.92'LT.	-	876.00
904	BACK OF WALK	159+90.00	34.25'LT.	-	877.92
905	FRONT OF WALK	156+60.00	28.83'LT.	-	876.87
906	BACK OF WALK	159+45.00	33.10'LT.	-	876.42



NOTES

1. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

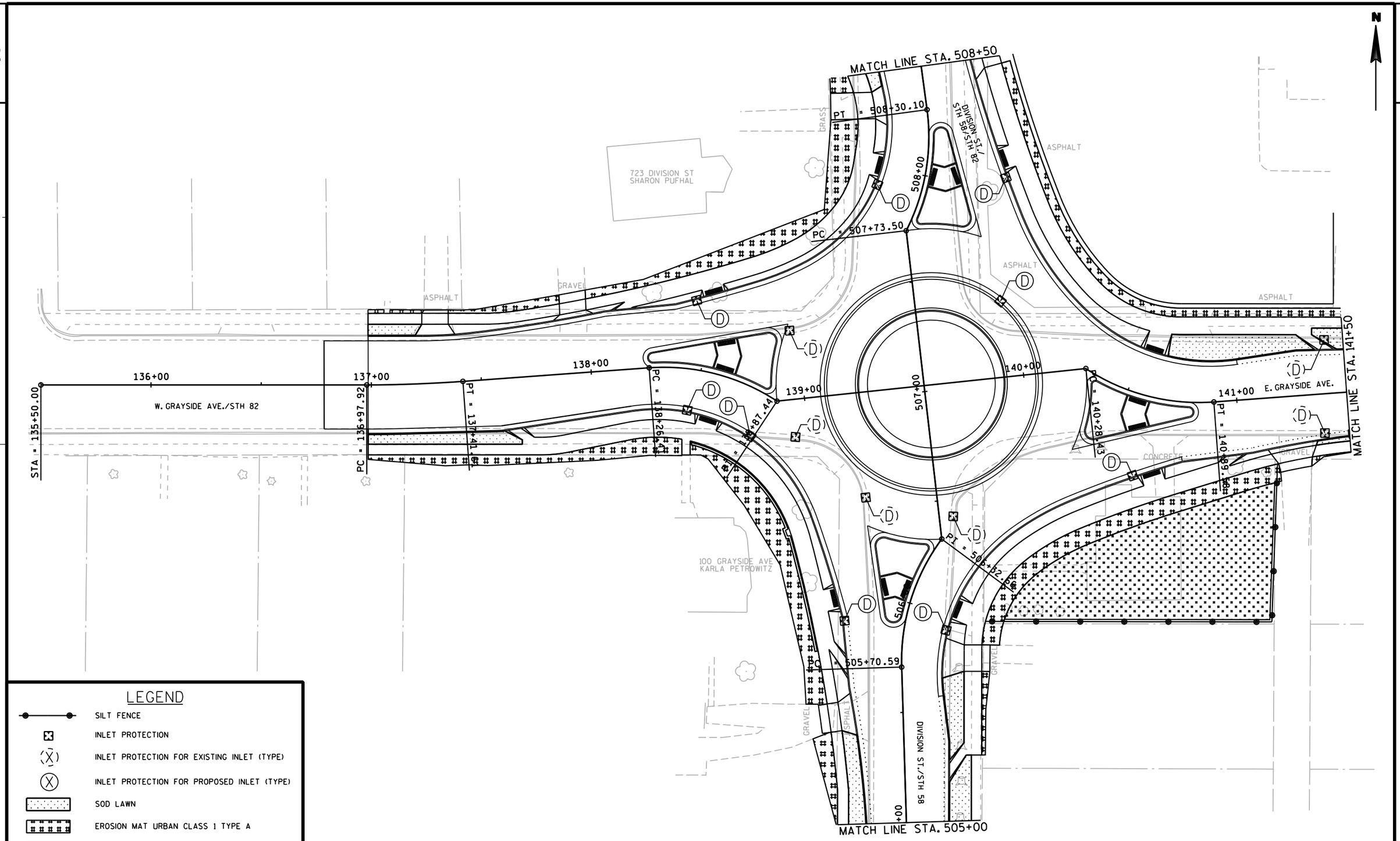
- LONGITUDINAL JOINT
- MANHOLE
- INLET
- WATER VALVE
- STAMPED COLORED CONCRETE SIDEWALK 6-INCH
- COLORED CONCRETE PAVEMENT 8-INCH
- CONCRETE ROUNDABOUT TRUCK APRON 8-INCH
- X-XX CONCRETE CURB & GUTTER TYPE X, XX-INCH
- DRAINAGE DIRECTION

SECTION A-A

STA. 158+95 TO 159+52, LT.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVING DETAIL - E. MILWAUKEE STREET	SHEET 44	E

2



LEGEND

- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 45	E

2

N

CITY OF MAUSTON

CITY OF MAUSTON

BIKE RACK

CONC.

GATE ACCESS

GRASS

MATCH LINE STA. 141+50

MATCH LINE STA. 147+50

141+50

142+00

143+00

144+00

145+00

146+00

147+00

PC = 141+94.77

PT = 142+14.40

PC = 145+46.81

E. GRAYSIDE AVE.

WALL

ASPHALT

800 HICKORY ST
YEE VANG

801 HICKORY ST
DOROTHY BETTHAUSER

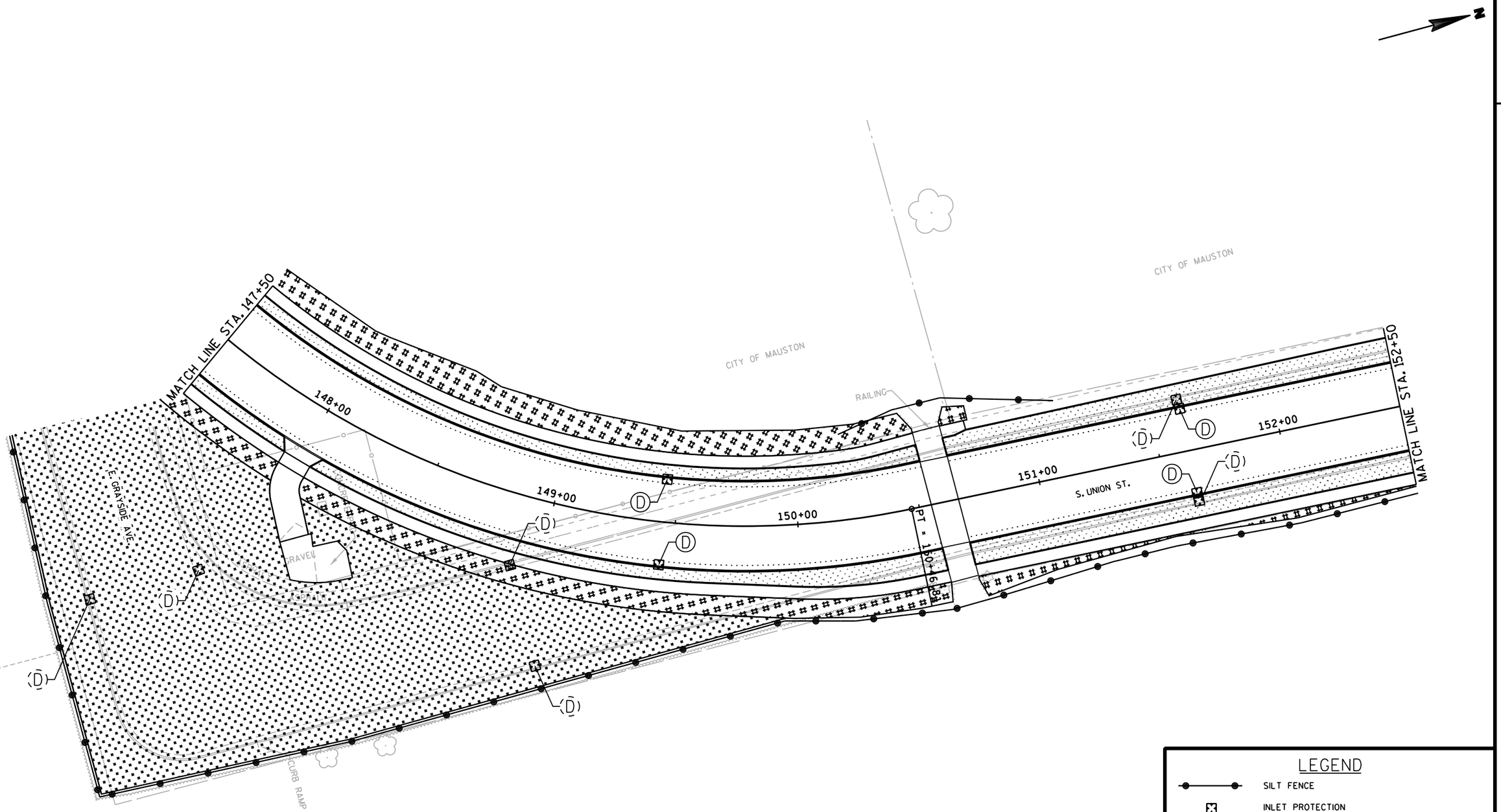
S. HICKORY ST.

LEGEND

- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 46	E

2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 47	E

2

N

MATCH LINE STA. 152+50

153+00

154+00

155+00

156+00

157+00

158+00

MATCH LINE STA. 158+50

PI = 153+71.87

S. UNION ST.

VINE ST.

AREA DRAIN

LANDSCAPING

437 S UNION ST
FRANCES H
SCHROEDER

435 S UNION ST
EDWIN E &
OPAL I DAVIS

431 S UNION ST
NICHOLAS W
ANDERSON

429 S UNION ST
TIMOTHY J DELMORE

417 S UNION ST
KENDALL J BOLCHEN
& COLLEEN F TRUSTEES

411 S UNION ST
RICHARD E ZORBAUGH

ASPHALT

FLAG

ASPHALT

PLANTS

BRICK

GRAVEL

BRICK

STEPS

CONCRETE

TIMBER

4 STEPS

WOOD PLANTER/WALL

CONCRETE

ASPHALT

PLANTER

FLAG

ASPHALT

WALL

STEP

WOOD RETAINING WALL

WALL

GRAVEL

GRAVEL

438 S UNION ST
BARBARA J &
MICHAEL HOILIEN

432 S UNION ST
JAMES A WEBSTER

426 S UNION ST
ERIC SANFORD

422 S UNION ST
BERNARD E &
PAULETTE KRANZ

420 S UNION ST
LUEHMAN REAL ESTATE
INVESTMENTS LLC

LEGEND

- SILT FENCE
- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- X INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 48	E

2

N

E. MILWAUKEE ST.

405 S UNION ST
ERNEST JR & AUDREY
SCHMOCKER

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

RAILROAD CROSSING LIGHTS

118 WASHINGTON ST
DOMANN'S FARM
SUPPLY INC

WASHINGTON ST.

414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

MATCH LINE STA. 158+50

159+00

160+00

161+00

162+00

163+00

164+00

MATCH LINE STA. 164+50

PC = 161+32.26

PC = 161+89.68

PC = 159+31.46

RI = 159+44.74

RI = 160+14.16

PC = 160+15.36

S. UNION ST.

E. MILWAUKEE ST.

RAILROAD CROSSING LIGHTS

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

RAILROAD CONTROL CABINET

411 PRAIRIE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

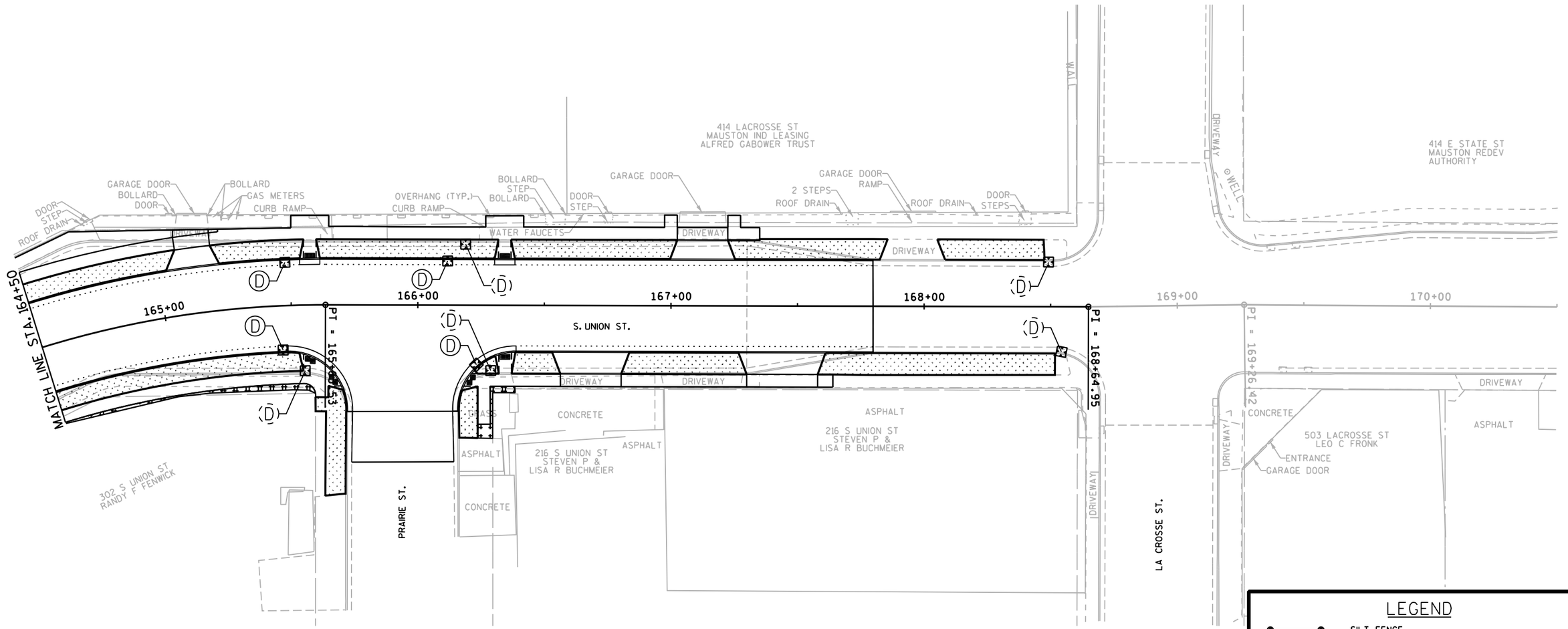
324 S UNION ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

LEGEND

- SILT FENCE
- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- X INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 49	E

2



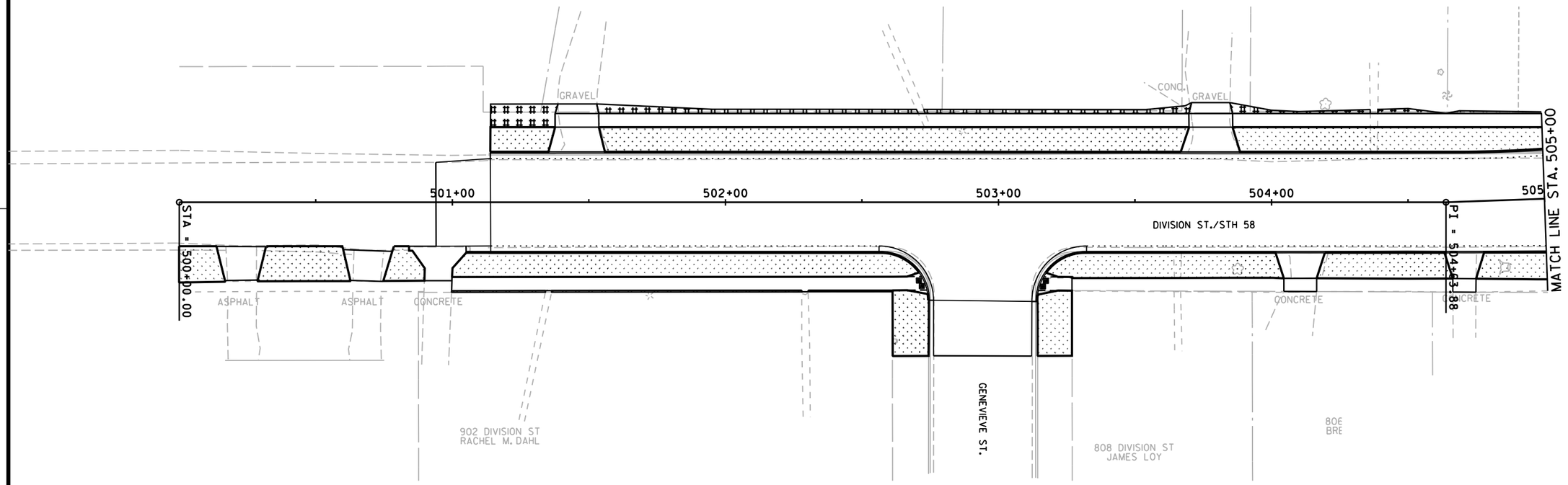
LEGEND

- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 50	E

2

N



LEGEND

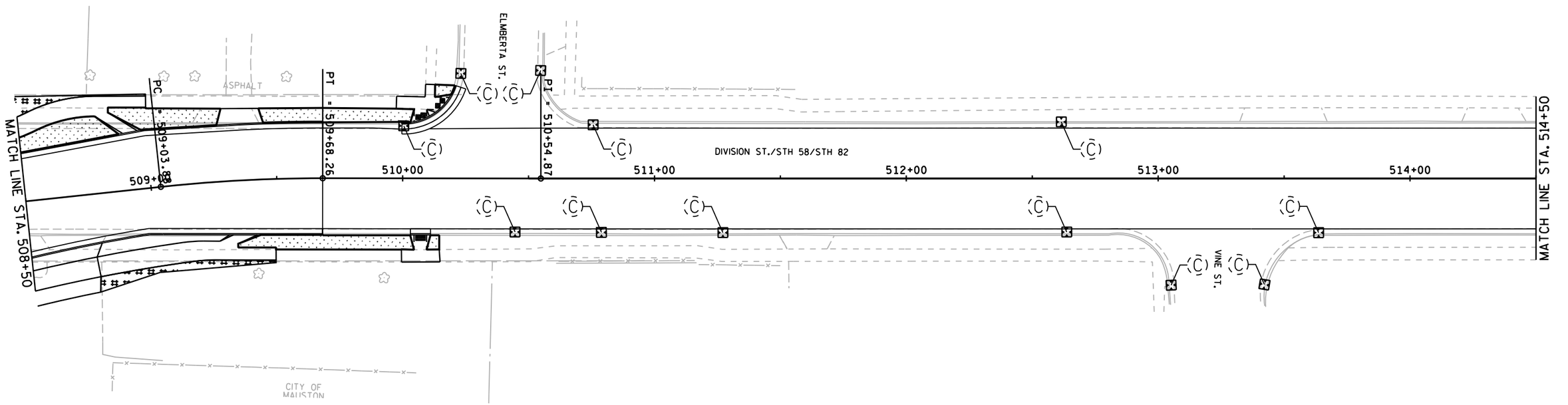
- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

EC 07.dgn 2/5/2013 9:20:52 AM bhuibregtse

2



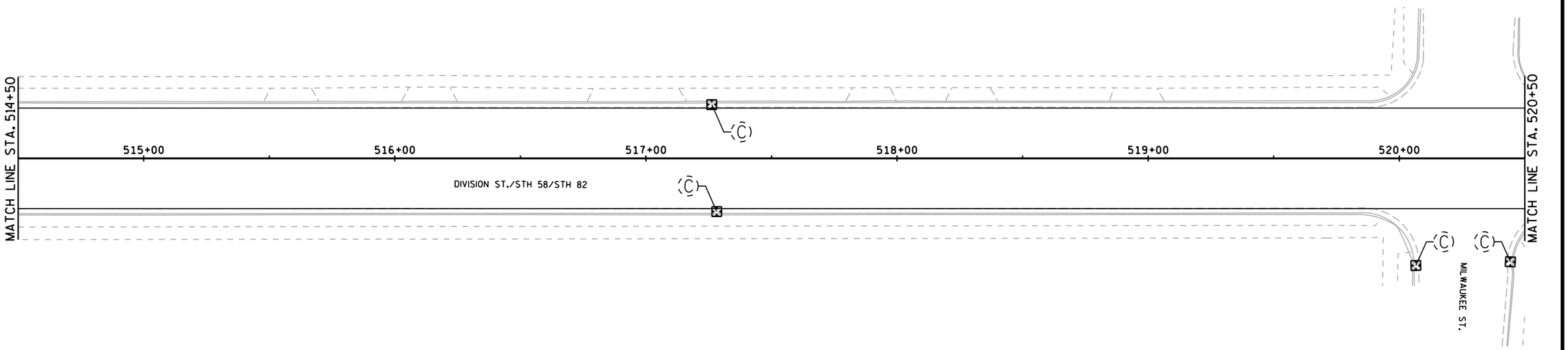
LEGEND

- SILT FENCE
- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- X INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42
EC 08.dgn 2/5/2013 9:20:54 AM bhuibregtse

2

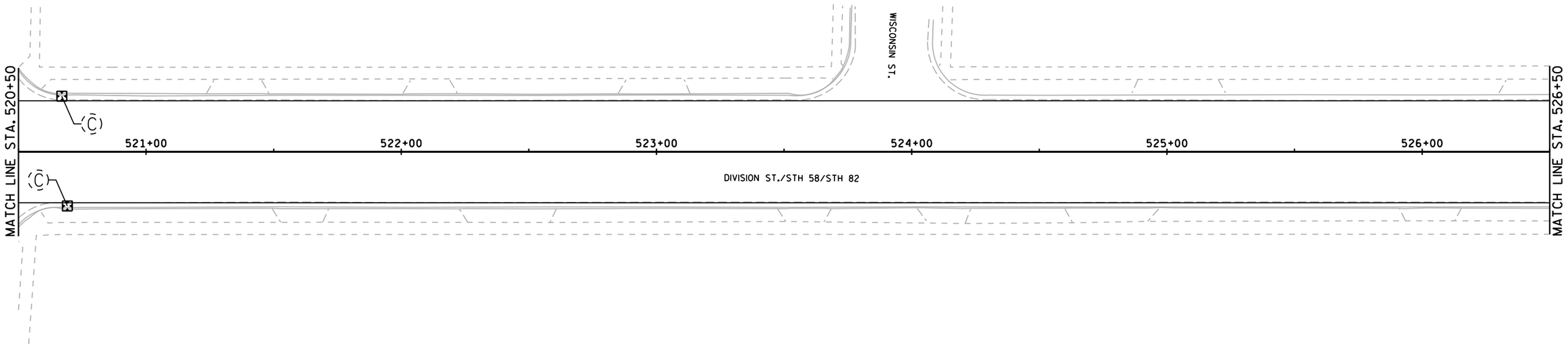


LEGEND

- SILT FENCE
- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- (X) INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 53	E

2



LEGEND

- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 54	E

2

N

MATCH LINE STA. 526+50

527+00

528+00

529+00

530+00

531+00

532+00

MATCH LINE STA. 532+50

TREMONT ST.

DIVISION ST./STH 58/STH 82

OAK ST.

LEGEND

- SILT FENCE
- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- X INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 55	E

2

N

MAINE ST.

INL

INL

MWEL

STA. 533+50.00

533+00

MATCH LINE STA. 532+50

MWEL

MWEL

MWEL

MWEL

INL

LA CROSSE ST.

INL

DIVISION ST./STH 58/STH 82

STATE ST./USH 12/
STH 16/STH 82/
CTH G

LEGEND

- SILT FENCE
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EROSION CONTROL	SHEET 56	E

723 DIVISION ST
SHARON PUFHAL

W. GRAYSIDE AVE./
STH 82

DIVISION ST./
STH 82

DIVISION ST./
STH 58

CITY OF
MAUSTON

E. GRAYSIDE AVE.

S. HICKORY ST.

801 HICKORY ST
DOROTHY BETTHAUSER

BIKE RACK

MATCH LINE STA. 144+00

N

PC = 507+73.50

PT = 140+28.43

PC = 138+26.41

PT = 140+89.58

PC = 141+54.77

PT = 142+14.40

STA. 138+44.31, 31.17' LT.
INLETS 2x3-FT WITH INLET
COVERS TYPE H REQ'D.

STA. 138+46.36, 18.78' RT.
INLETS 4-FT DIAMETER WITH
INLET COVERS TYPE H REQ'D.

STA. 138+78.94, 09.22' RT.
MANHOLES 4-FT DIAMETER
WITH MANHOLE COVERS TYPE
J REQ'D.

STA. 138+85.72, 19.93' RT.
INLETS 2x3-FT WITH INLET
COVERS TYPE H REQ'D.

STA. 140+61.02, 36.71' RT.
INLETS 2x3-FT WITH INLET
COVERS TYPE H REQ'D.

STA. 141+51.46, 19.02' RT.
INLETS 4-FT DIAMETER WITH
INLET COVERS TYPE H REQ'D.

STA. 142+26.00, 17.50' LT.
INLETS 2x3-FT WITH INLET
COVERS TYPE H REQ'D.

STA. 142+26.00, 18.50' RT.
MANHOLE SPECIAL 7-FT. X
10-FT. REQ'D.,
INLET COVERS TYPE H
REQ'D. (17.50' RT.),
MANHOLE COVERS TYPE J
REQ'D. (21.00' RT.)

ADJUSTING MANHOLE COVER

REMOVE INLET

REMOVE STORM
SEWER, 12-INCH

REMOVE
INLET

RECONNECT STORM
SEWER, 24-INCH

REMOVE
STORM
SEWER,
24-INCH

REMOVE MANHOLE

ULO (G)

REMOVE MANHOLE, CONCRETE
COLLAR REQ'D.

RECONNECT STORM SEWER, 18-INCH

RECONNECT STORM
SEWER, 18-INCH

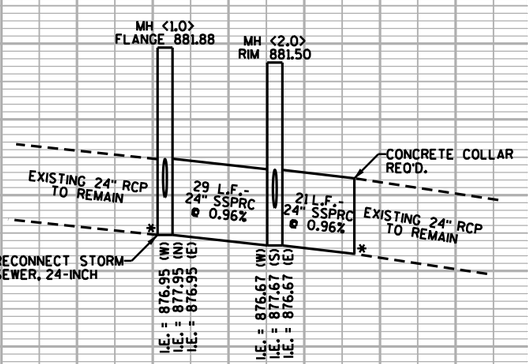
REMOVE STORM
SEWER 18-INCH

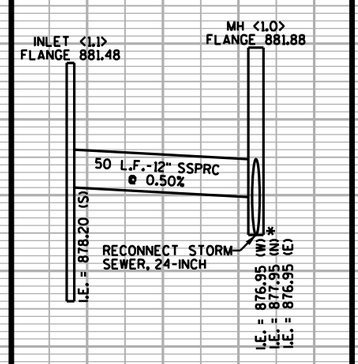
REMOVE STORM SEWER, 18-INCH

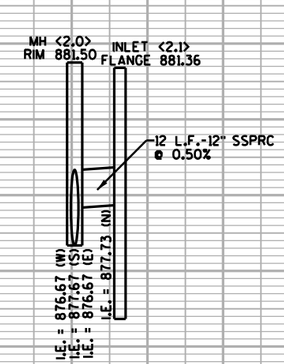
MANHOLE COVERS
TYPE J REQ'D.

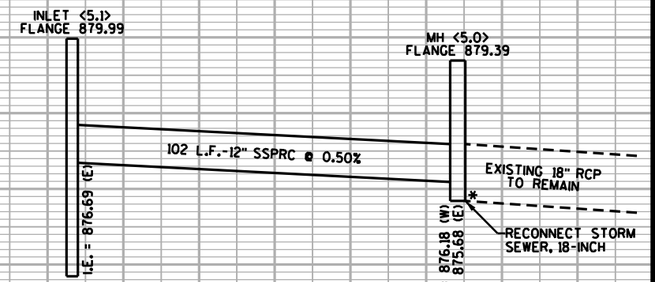
EX.1

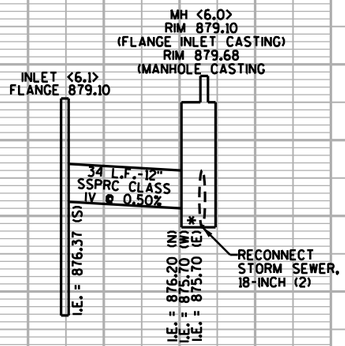
CAUTION











NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 57	E

803 DIVISION ST
MICHAEL &
BRENDA DICOSOLA

100 GRAYSIDE AVE
KARLA PETROWITZ

105 ELMBERTA ST
ROBERT &
NANCY CERNEY

806 DIVISION ST
BRENDA K BELK

CITY OF
MAUSTON

N

STA. 505+62.36, 22.81' LT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.
3.1

STA. 505+90.99, 18.88' RT.
INLETS 4-FT DIAMETER WITH INLET COVERS TYPE H REQ'D.
3.0

REMOVE INLET
REMOVE STORM SEWER, 12-INCH

REMOVE INLET, CONCRETE COLLAR REQ'D.

ADJUSTING MANHOLE COVER

STA. 507+89.67, 20.08' LT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.
4.1

RECONNECT STORM SEWER, 30-INCH
REMOVE STORM SEWER, 30-INCH
RECONNECT STORM SEWER, 30-INCH

STA. 507+94.82, 15.17' RT.
MANHOLES 6-FT DIAMETER WITH MANHOLE COVERS TYPE J REQ'D.
4.0

STA. 508+04.34, 36.31' RT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.
4.2

STA. 139+93.12, 34.49' LT.
STA. 507+36.83, 38.88' RT.
INLETS 2x3-FT WITH INLET COVERS TYPE T REQ'D.
4.3

DIVISION ST./STH 58
DIVISION ST./STH 58/STH 82
W. GRAYSIDE AVE./STH 82
E. GRAYSIDE AVE.

504+00 505+00 506+00 507+00 508+00 509+00 510+00

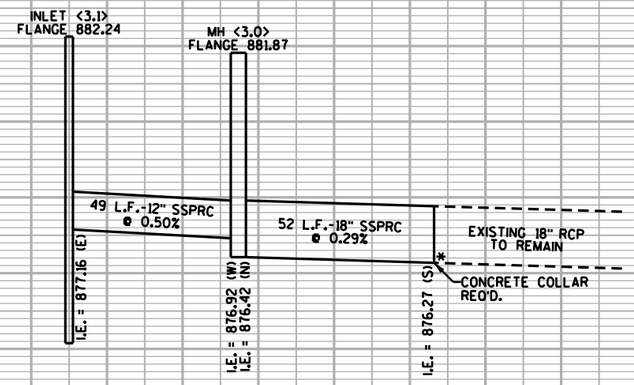
PI = 504+03.88
PC = 505+70.59
PI = 505+52.65
PC = 507+73.50
PT = 508+30.10
PC = 509+03.88
PT = 509+68.26
PI = 140+28.43

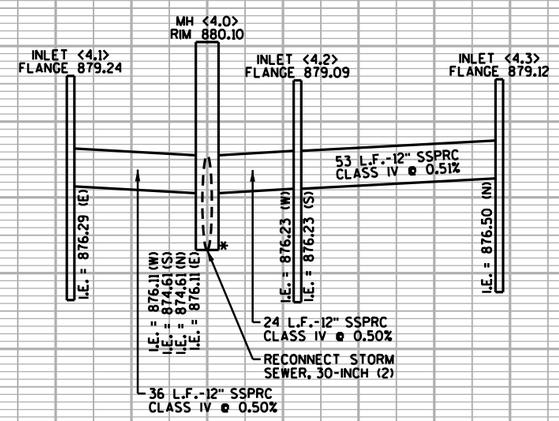
ULO (G)
ULO (T)

XXXXX

CAUTION

GRAVEL
ASPHALT
CONCRETE
GRASS





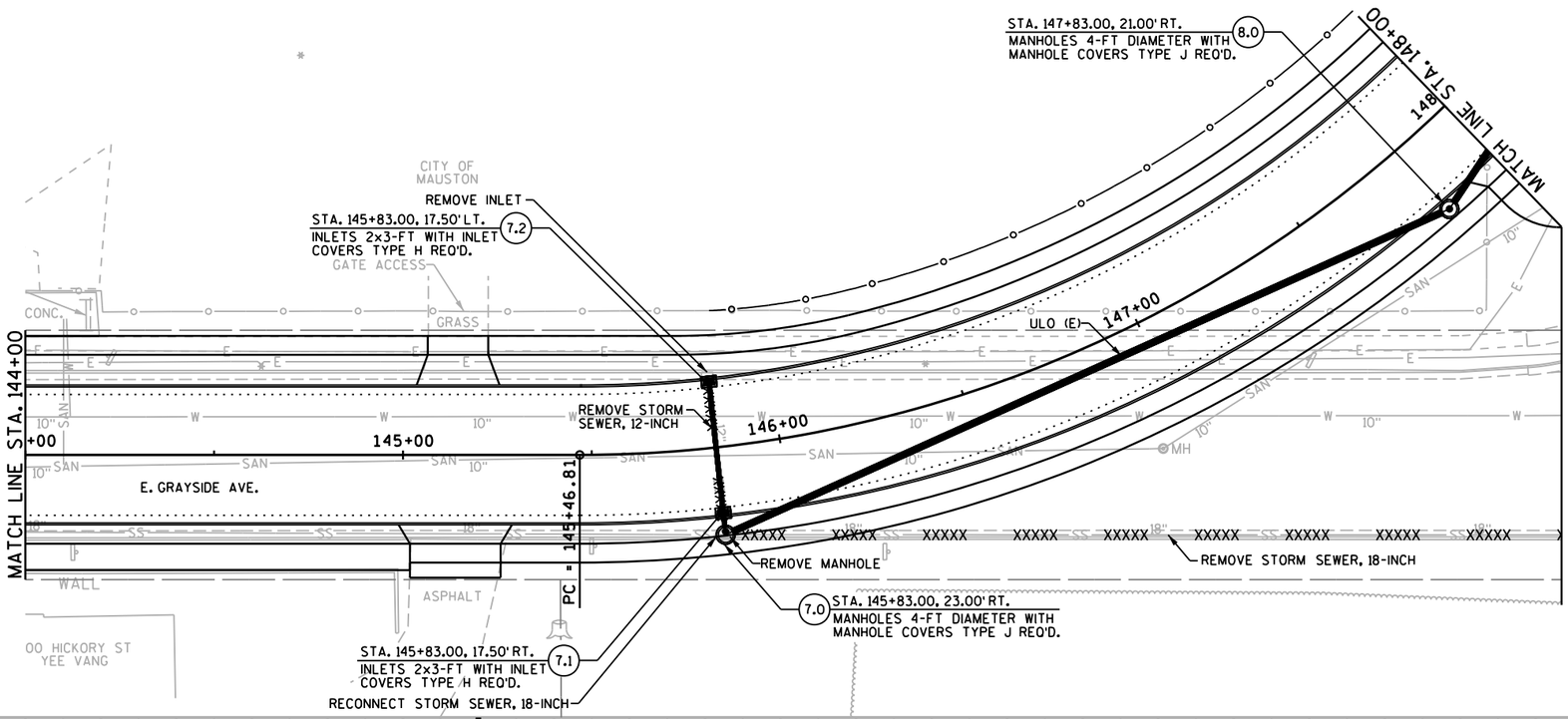
NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

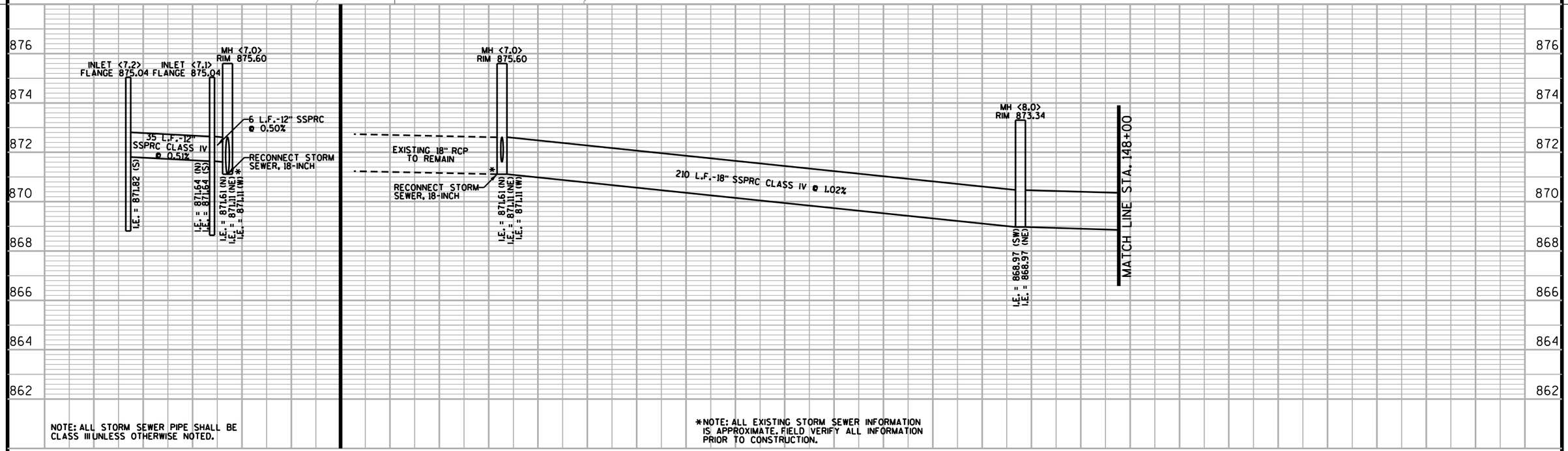
*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 58	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41a

Storm 02.dgn 2/5/2013 9:21:04 AM bhuibregtse

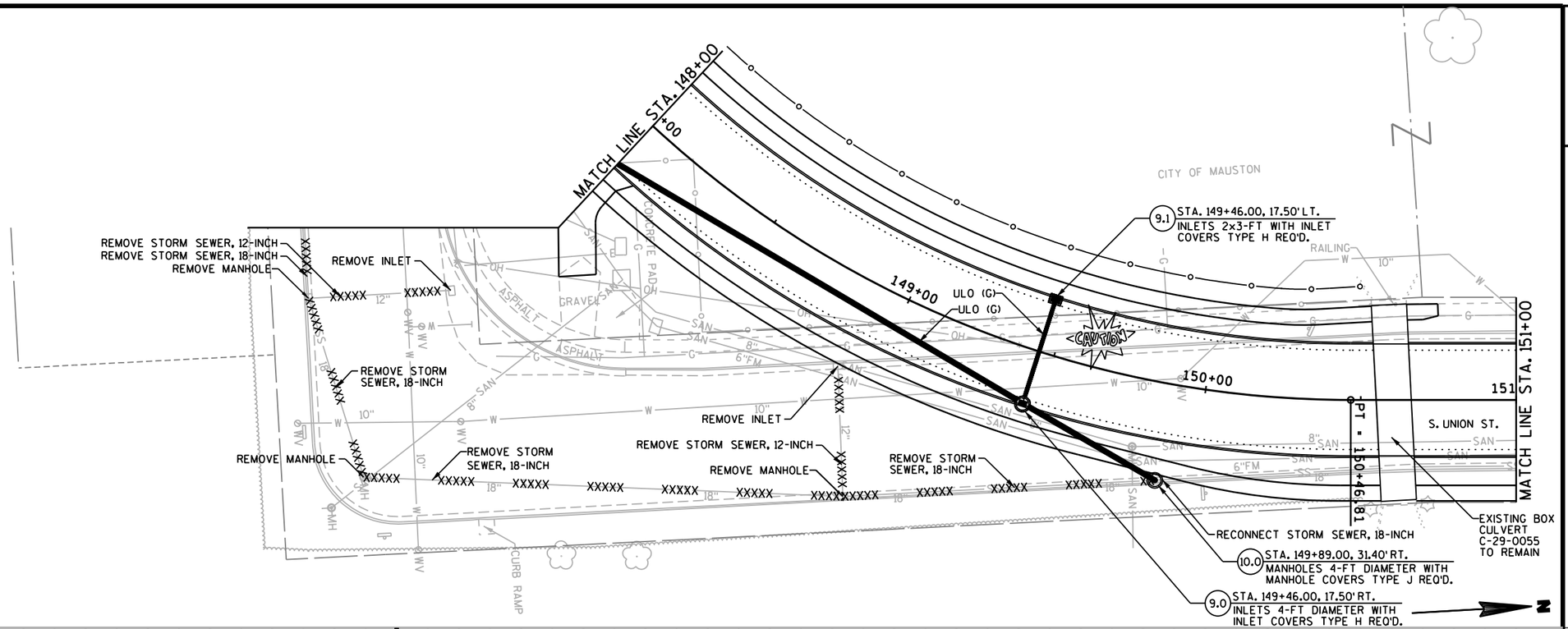


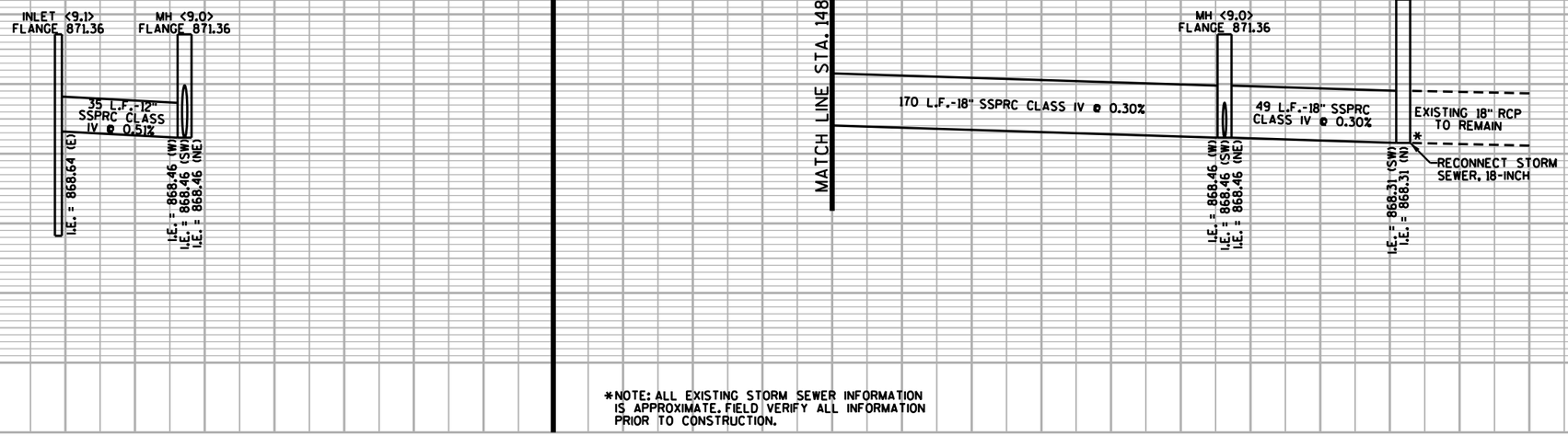


NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 59	E





NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 60	E

CITY OF MAUSTON

MATCH LINE STA. 151+00

MATCH LINE STA. 157+00

REMOVE INLET

11.1 STA. 151+62.00, 17.50' LT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.

12.1 STA. 152+99.50, 17.50' LT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.

REMOVE STORM SEWER, 12-INCH

RECONNECT STORM SEWER, 21-INCH

RECONNECT STORM SEWER, 21-INCH

RECONNECT STORM SEWER, 21-INCH

REMOVE STORM SEWER, 21-INCH

REMOVE MANHOLE

REMOVE STORM SEWER, 21-INCH

11.0 STA. 151+62.00, 19.00' RT.
MANHOLE SPECIAL 7-FT. X 10-FT. REQ'D., INLET COVERS TYPE H REQ'D. (17.50' RT.), MANHOLE COVERS TYPE J REQ'D. (20.50' RT.)

12.0 STA. 152+99.50, 19.00' RT.
MANHOLE SPECIAL 7-FT. X 10-FT. REQ'D., INLET COVERS TYPE H REQ'D. (17.50' RT.), MANHOLE COVERS TYPE J REQ'D. (20.50' RT.)

VINE ST.

AREA DRAIN

LANDSCAPING

437 S UNION ST
FRANCES H SCHROEDER

435 S UNION ST
EDWIN E & OPAL I DAVIS

431 S UNION ST
NICHOLAS W ANDERSON

429 S UNION
TIMOTHY J DEL

ULO (G)
RECONNECT STORM SEWER

13.2 STA. 154+09.00, 22.00' LT.
MANHOLES 4-FT DIAMETER WITH MANHOLE COVERS TYPE J REQ'D.

13.1 STA. 154+28.00, 17.50' LT.
INLETS 2x3-FT WITH INLET COVERS TYPE H REQ'D.

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

RECONNECT STORM SEWER, 18-INCH

S. UNION ST.

13.0 STA. 154+28.00, 20.80' RT.
INLETS 4-FT DIAMETER WITH INLET COVERS TYPE H REQ'D.

REMOVE STORM SEWER, 18-INCH

REMOVE MANHOLE

REMOVE STORM SEWER, 21-INCH

438 S UNION ST
BARBARA J & MICHAEL HOILIEN

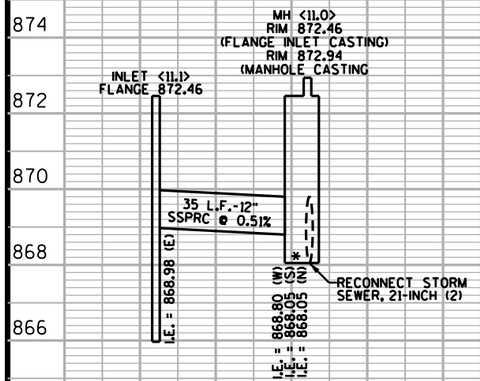
432 S UNION ST
JAMES A WEBSTER

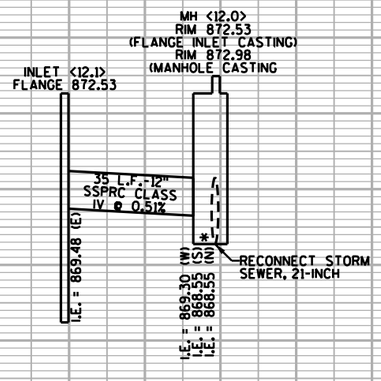
426 S UNION ST
ERIC SANFORD

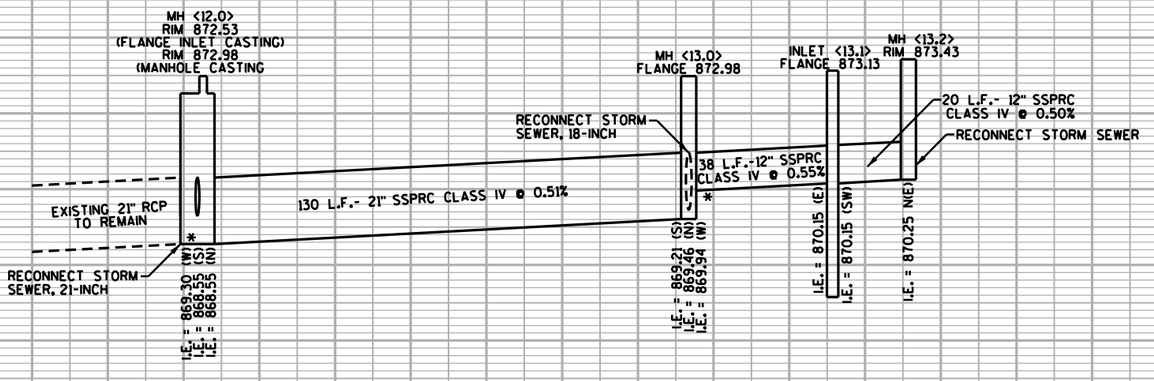
ASPHALT PLANTS BRICK GRAVEL STEPS PLANTER FLAG WALL STEP WOOD RETAINING WALL

152+00 153+00 154+00 155+00 156+00 157+00

Pt. STA. 153+71.87







878 876 874 872 870 868 866 864

NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 61	E

2

N

MATCH LINE STA. 157+00

MATCH LINE STA. 162+00

ST MORE

417 S UNION ST
KENDALL J BOLCHEN
& COLLEEN F TRUSTEES

411 S UNION ST
RICHARD E ZORBAUGH

405 S UNION ST
ERNEST JR & AUDREY
SCHMOCKER

118 WASHI
DOMANN
SUPPL

TIMBER

4 STEPS

WOOD PLANTER/WALL

CONCRETE

ASPHALT

LANDSCAPING

DIRT

ASPHALT

RAILROAD CROSSING LIGHTS

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

REMOVE INLET

REMOVE STORM SEWER, 12-INCH,
SEALING PIPES REQ'D.

INLET COVERS TYPE C REQ'D.

REMOVE STORM SEWER, 12-INCH,
SEALING PIPES REQ'D.

REMOVE INLET

EX.2

CAUTION

REMOVE INLET

14.1 STA. 158+69.00, 18.55' LT.
INLETS 2x3-FT WITH INLET
COVERS TYPE H REQ'D.
ULO (G)

CAUTION

CAUTION

REMOVE STORM
SEWER, 12-INCH

14.2 STA. 159+13.50, 25.50' LT.
INLETS 3-FT DIAMETER WITH
INLET COVERS TYPE B REQ'D.

+00

158+00

159+00

160+00

161+00

162

S. UNION ST.

PC = 159+31.43

PT = 159+49.74

PT = 160+14.16

PT = 161+32.26

PC = 161+15.87

15.5 STA. 161+16.00, 02.50' LT.
INLETS 3-FT DIAMETER WITH
INLET COVERS TYPE Z REQ'D.

RECONNECT STORM SEWER, 18-INCH

REMOVE STORM SEWER, 18-INCH

REMOVE MANHOLE

STA. 158+69.00, 20.05' RT. 14.0
MANHOLE SPECIAL 7-FT. X
10-FT. REQ'D.,
INLET COVERS TYPE H
REQ'D. (18.55' RT.),
MANHOLE COVERS TYPE J
REQ'D. (21.55' RT.)

14.3 STA. 159+17.00, 02.50' LT.
INLETS 3-FT DIAMETER WITH
INLET COVERS TYPE Z REQ'D.

GRAVEL

GRAVEL

ASPHALT

422 S UNION ST
BERNARD E &
PAULETTE KRANZ

E. MILWAUKEE ST.

RAILROAD CROSSING LIGHTS

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

RAILROAD CONTROL CABINET

878
876
874
872
870
868
866
864

INLET <14.3>
FLANGE 876.14

INLET <14.2>
RIM 875.50

INLET <14.1>
FLANGE 875.48

MH <14.0>
RIM 875.48
(FLANGE INLET CASTING)
RIM 875.96
(MANHOLE CASTING

24 L.F.
12" SSPRC
@ 0.50%

45 L.F.-12" SSPRC
@ 0.51%

37 L.F.-12" SSPRC
@ 0.51%

I.E. = 872.29 (SW)

I.E. = 872.17 (NE)
I.E. = 872.17 (SE)

I.E. = 871.94 (NW)

I.E. = 871.94 (E)

I.E. = 871.75 (W)
I.E. = 871.25 (S)

RECONNECT STORM
SEWER, 18-INCH

NOTE: ALL STORM SEWER PIPE SHALL BE
CLASS III UNLESS OTHERWISE NOTED.

MH <EX.2>
RIM 875.53

REMOVE EXISTING ADJUSTMENT RINGS.
INSTALL NEW INLET COVER TYPE C

SEALING PIPES REQ'D.

EXISTING 12"
RCP TO BE
REMOVED

EXISTING 12"
RCP TO BE
REMOVED

I.E. = 870.61 (NW)
I.E. = 870.63 (SW)
I.E. = 870.63 (NE)

*NOTE: ALL EXISTING STORM SEWER INFORMATION
IS APPROXIMATE. FIELD VERIFY ALL INFORMATION
PRIOR TO CONSTRUCTION.

INLET <15.5>
FLANGE 876.08

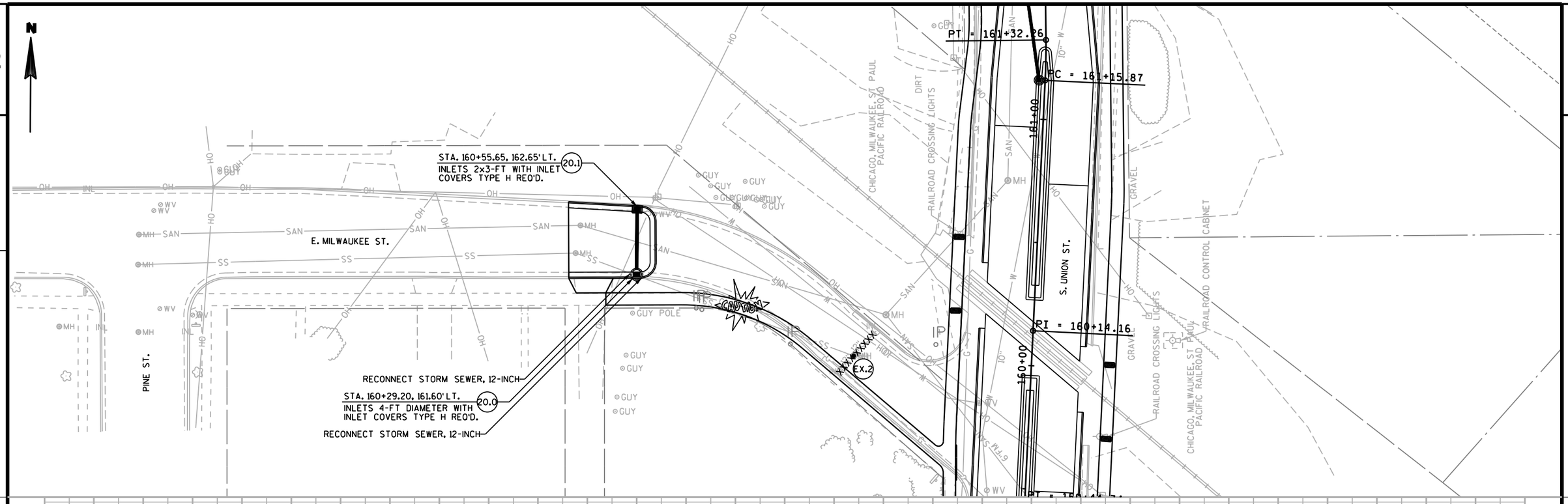
112 L.F.-12" SSPRC @ 2.33%

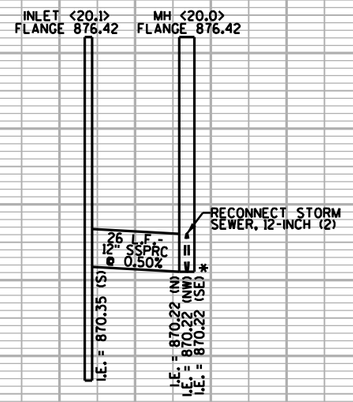
INLET <15.2>
FLANGE 872.75

I.E. = 872.00 (NW)

I.E. = 869.39 (SE)
I.E. = 869.39 (E)
I.E. = 869.39 (NW)

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 62	E

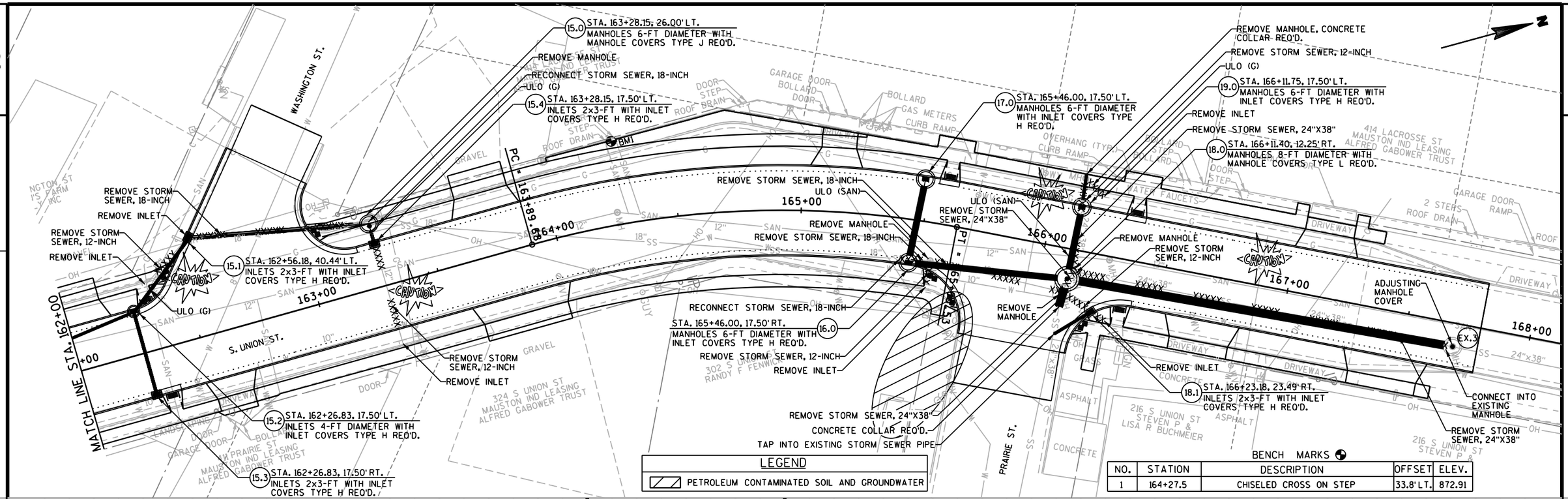




NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

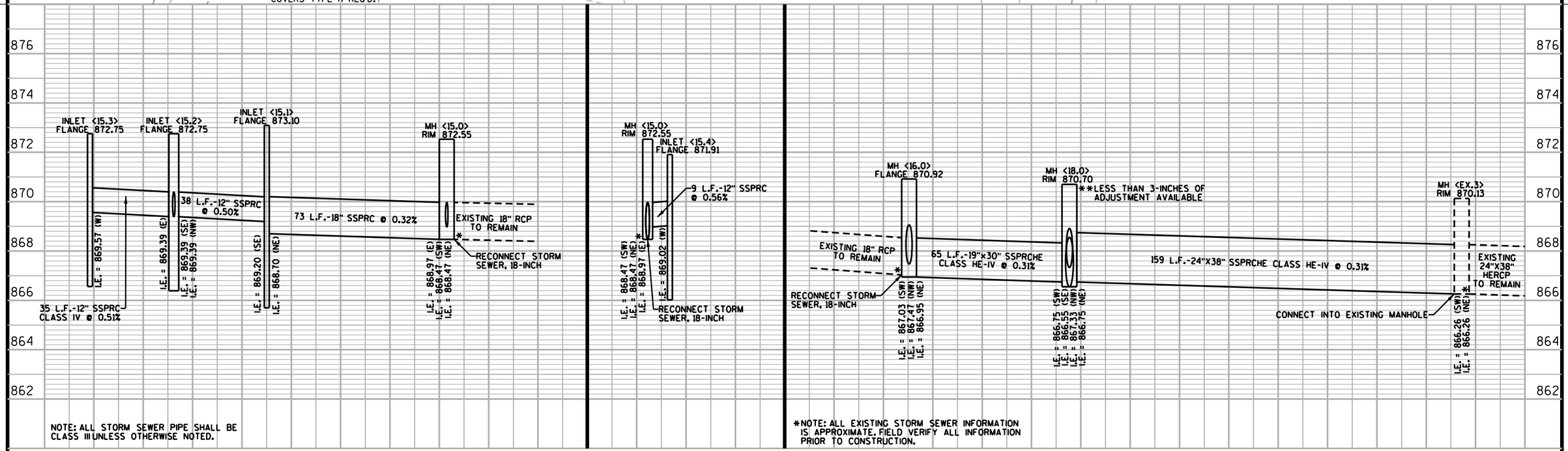
*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 63	E

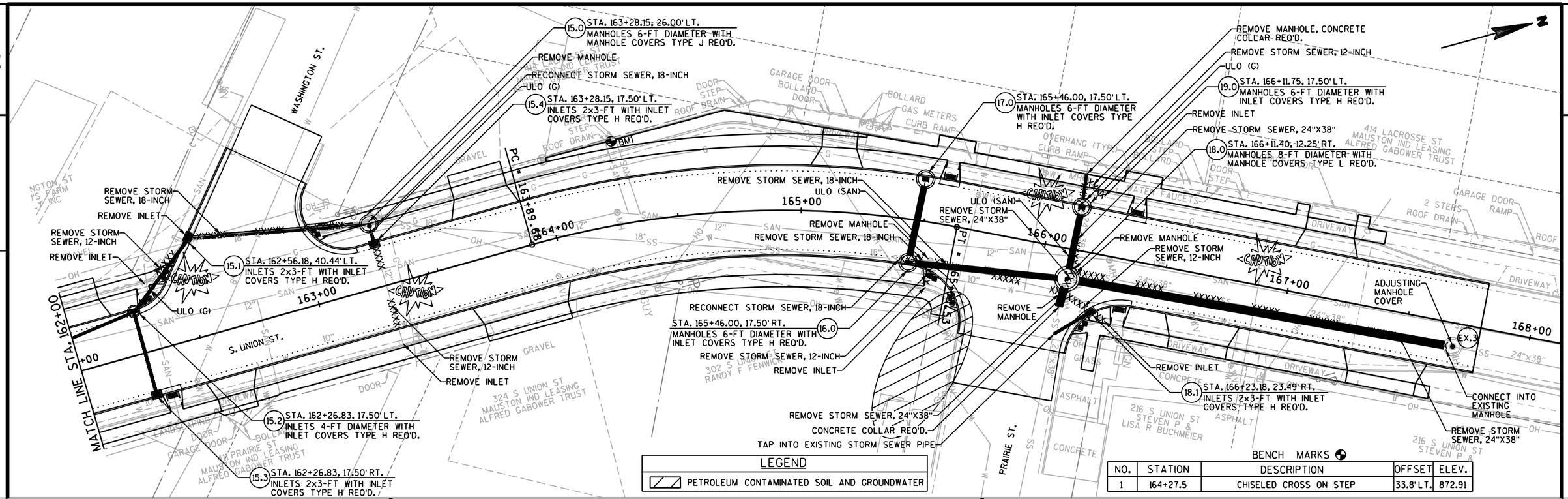


BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	164+27.5	CHISELED CROSS ON STEP	33.8' LT.	872.91



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET 64	E

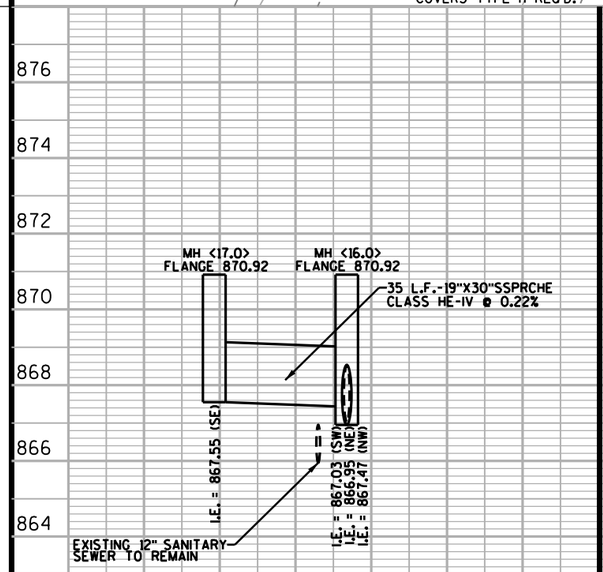


LEGEND

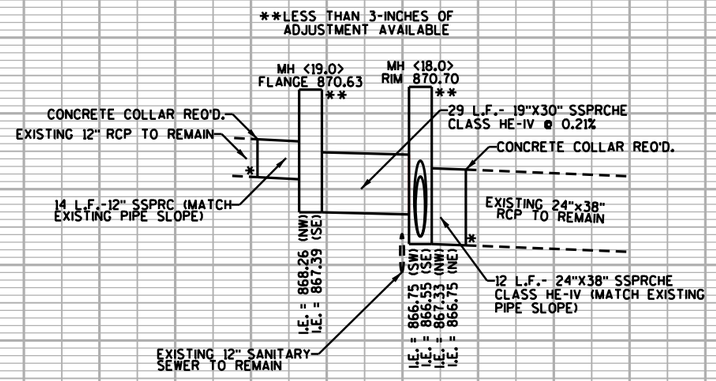
▨ PETROLEUM CONTAMINATED SOIL AND GROUNDWATER

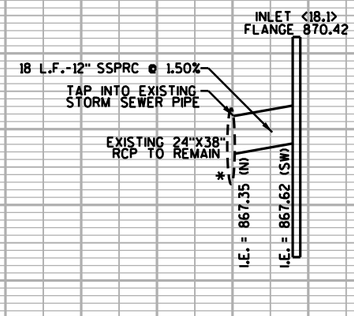
BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	164+27.5	CHISELED CROSS ON STEP	33.8' LT.	872.91



NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.



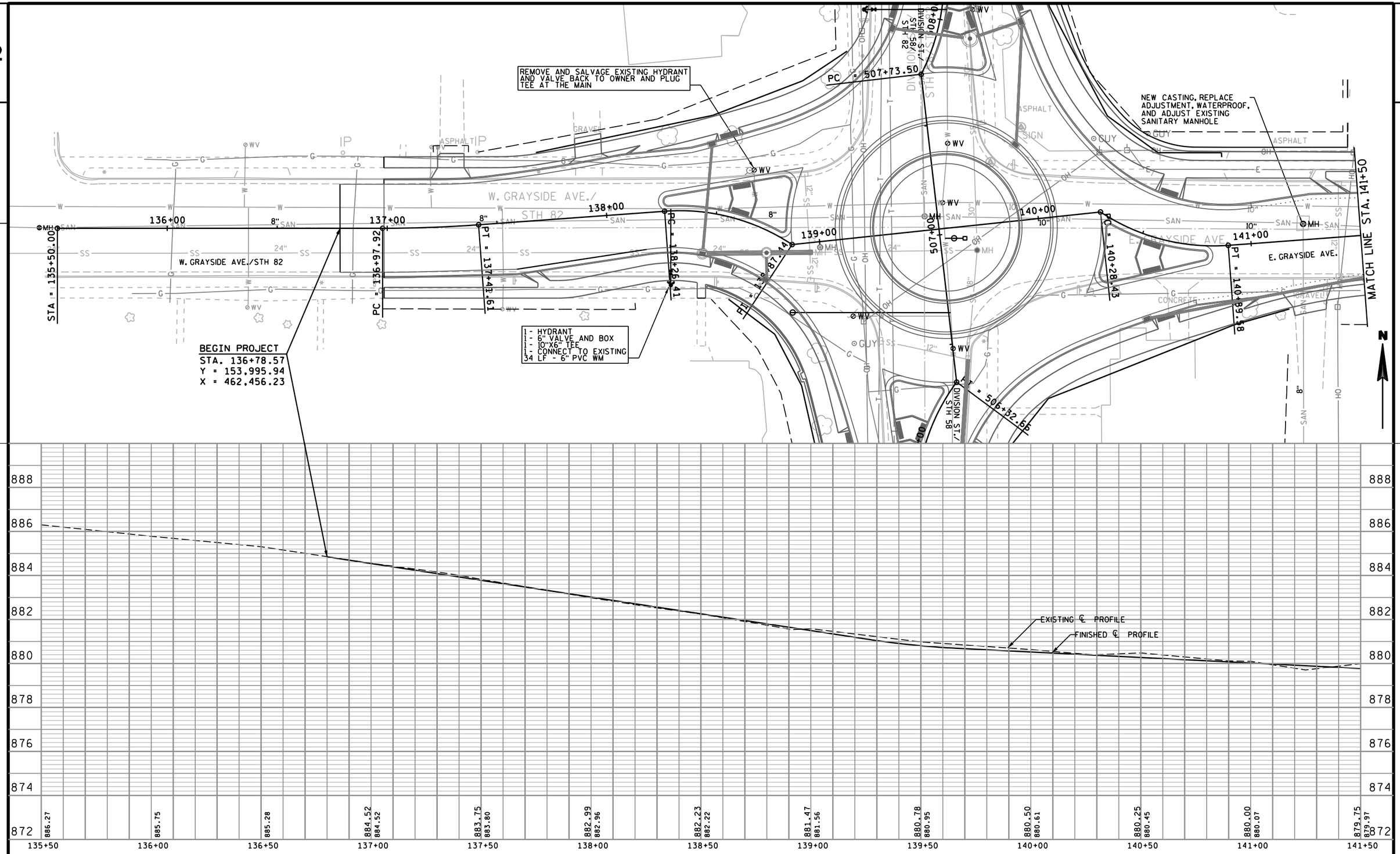


*NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO CONSTRUCTION.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	STORM SEWER	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41a

Storm 08.dgn 2/5/2013 9:21:17 AM bhuibregtse



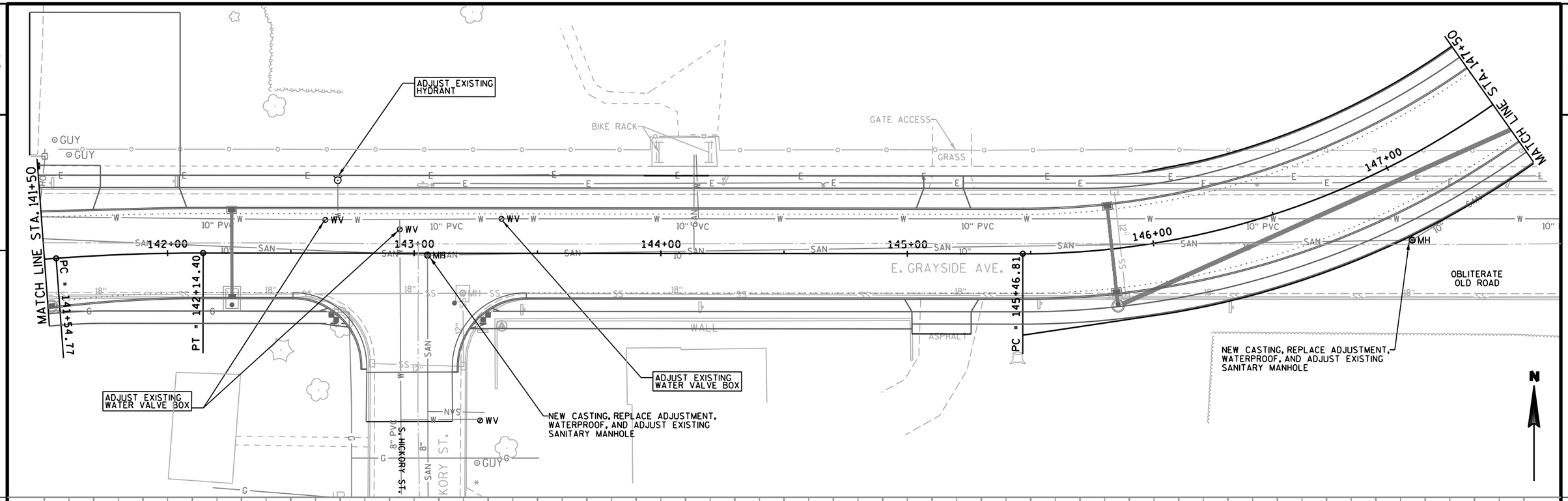
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 66 E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_01.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_01.dgn 10/19/2012 11:52:20 AM rgardner

2

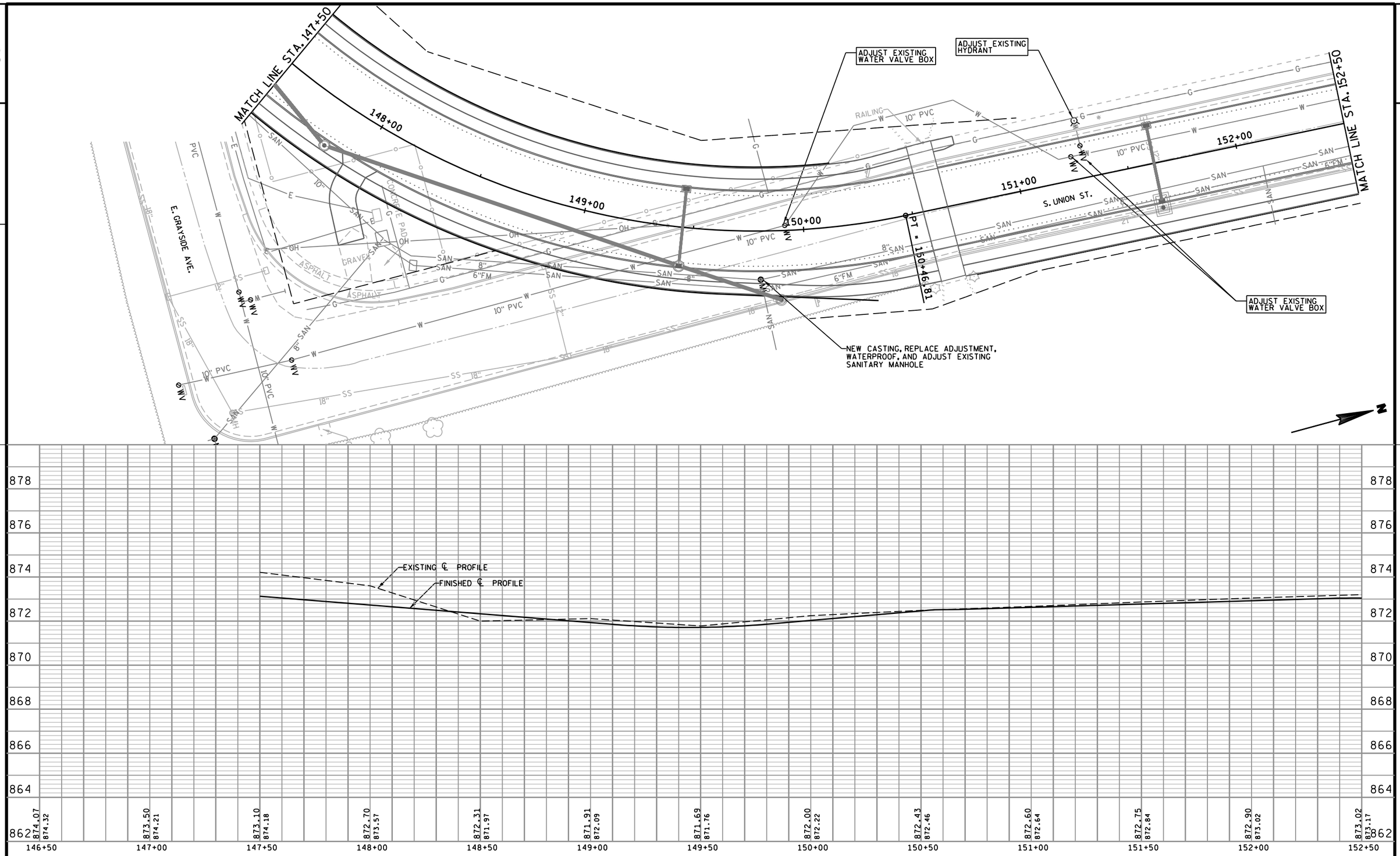


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 67 E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_02.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_02.dgn 10/19/2012 1:48:00 PM rgardner



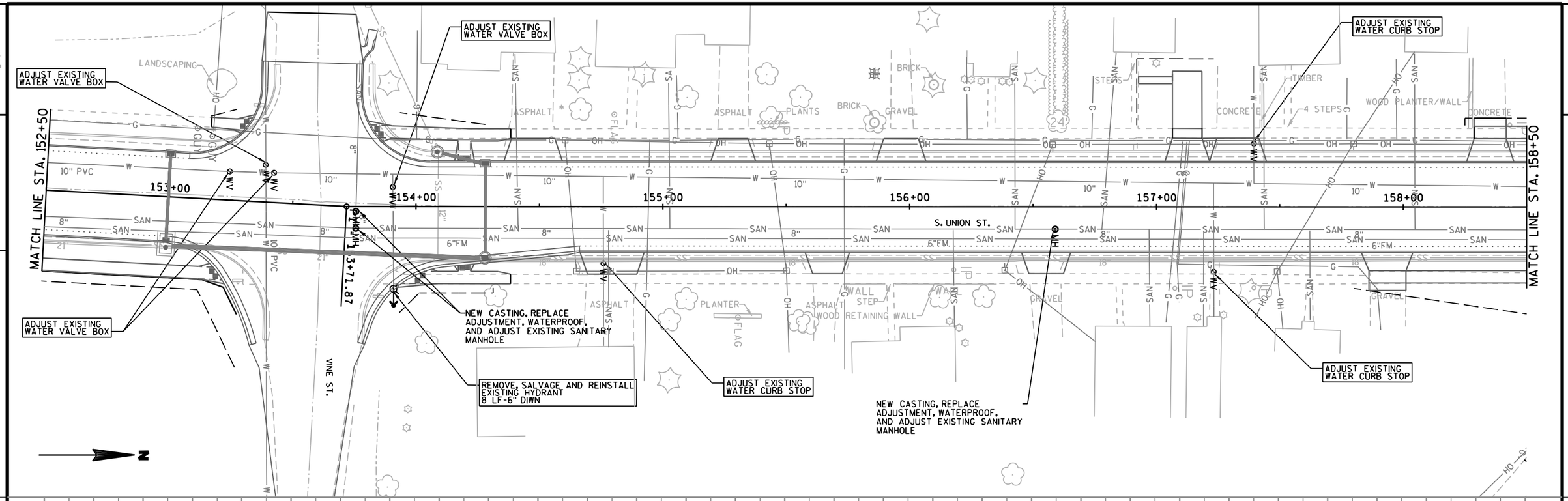
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 68	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_03.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_03.dgn 10/19/2012 1:48:30 PM rgardner

2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_04.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_04.dgn 10/19/2012 12:02:18 PM rgardner

2

NOTE: CONTRACTOR SHALL ISNTALL TRACER WIRE ON NEW WATER MAIN.

ADJUST EXISTING WATER VALVE BOX

ADJUST EXISTING HYDRANT AND WATER VALVE BOX

MATCH LINE STA. 158+50

MATCH LINE STA. 164+50

PC = 159+31.43

PT = 159+48.74

PI = 160+14.16

PT = 161+32.26

PC = 161+15.87

PC = 163+89.08

159+00

160+00

161+00

162+00

163+00

164+00

S. UNION ST.

RAILROAD CROSSING LIGHTS

RAILROAD CONTROL CABINET

ASPHALT

GRAVEL

DIRT

LANDSCAPING

DRIVEWAY

DOOR

GARAGE DOOR

BOLLARD

DOOR STEP

ROOF DRAIN

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE

2 - ADJUST EXISTING WATER VALVE BOX
4 - 45-DEGREE BENDS
1 - 10" VALVE AND BOX
28 LF - 10" PVC WM

ADJUST EXISTING WATER CURB STOP

REMOVE, SALVAGE, AND REINSTALL EXISTING HYDRANT

ADJUST EXISTING WATER VALVE BOX

N

EXISTING ℄ PROFILE

FINISHED ℄ PROFILE

880	878	876	874	872	870	868	866	864
								875.86 / 876.03
								875.96 / 875.74
								876.71 / 876.35
								877.30 / 877.23
								877.29 / 877.16
								876.50 / 876.09
								875.10 / 874.88
								873.68 / 873.92
								872.71 / 873.40
								872.35 / 873.07
								872.13 / 872.88
								871.90 / 872.56
								871.68 / 872.24

158+50 159+00 159+50 160+00 160+50 161+00 161+50 162+00 162+50 163+00 163+50 164+00 164+50

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 70	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_05.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_05.dgn 10/19/2012 2:06:20 PM rgardner

2

LEGEND

PETROLEUM CONTAMINATED SOIL AND GROUNDWATER

ADJUST EXISTING WATER CURB STOP

ADJUST EXISTING WATER VALVE BOX

MATCH LINE STA. 164+50

ADJUST EXISTING WATER CURB STOP

1 - 10" VALVE AND BOX
4 - 45-DEGREE BENDS
1 - 10" TEE
138 LF - 10" DIWM
2 - CONNECT TO EXISTING

ENTIRE PROPOSED WATER MAIN FOR RELOCATION SHALL BE WRAPPED IN POLETHYLENE & EACH JOINT SHALL RECEIVE FLUOROCARBON GASKETS

PRAIRIE ST.

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE

ADJUST EXISTING WATER VALVE BOX

ADJUST EXISTING WATER CURB STOP

S. UNION ST.

END PROJECT 5020-05-71
STA. 167+80.00
Y = 156,010.84
X = 463,808.61

LA CROSSE ST.

EXISTING ℄ PROFILE

FINISHED ℄ PROFILE

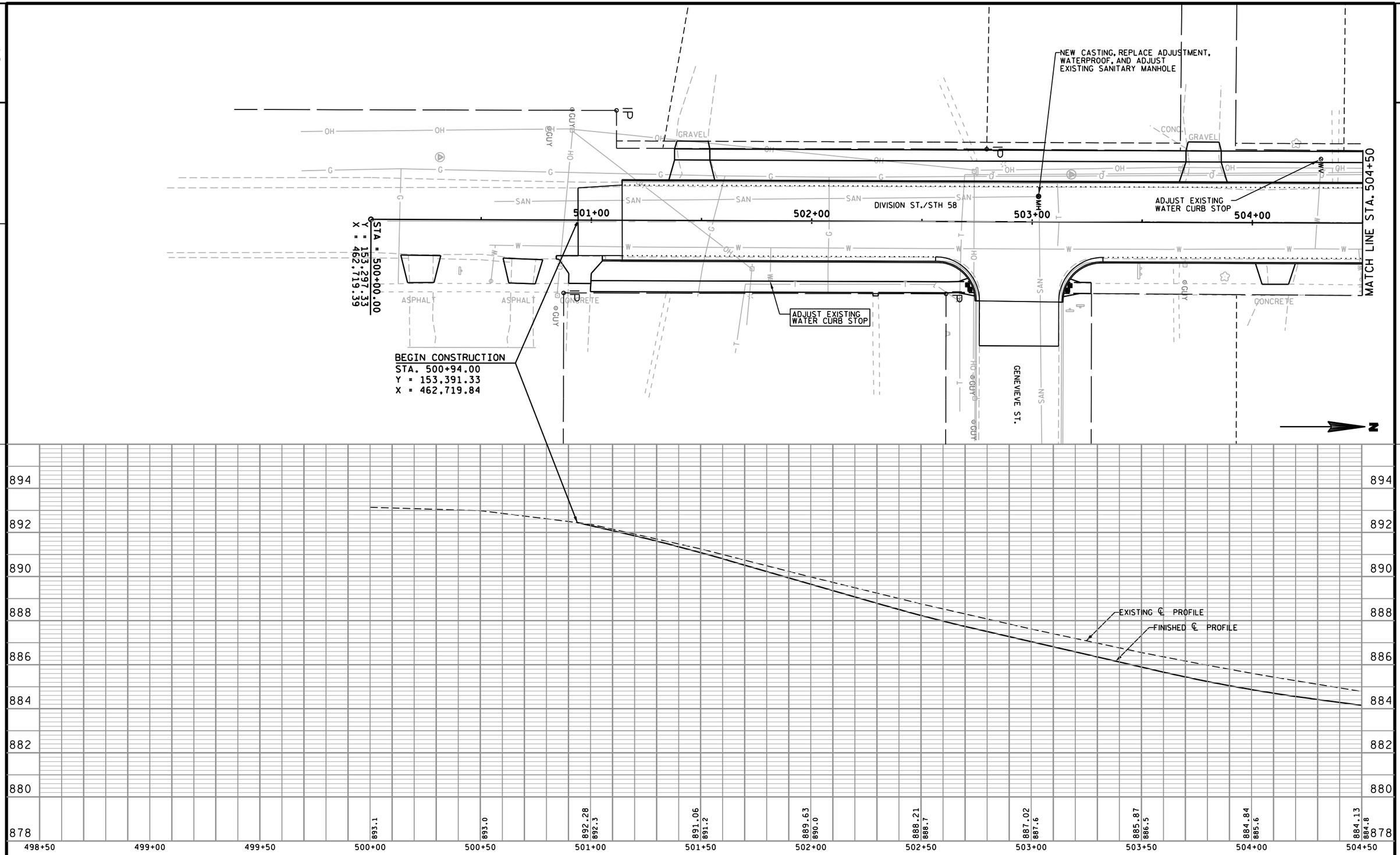
878 876 874 872 870 868 866 864 862

871.68 872.24 | 871.45 871.97 | 871.23 871.78 | 871.00 871.41 | 870.78 871.14 | 870.55 871.00 | 870.33 870.84

164+50 165+00 165+50 166+00 166+50 167+00 167+50 168+00 168+50 169+00 169+50 170+00 170+50

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 71	E

2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 72	E

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE

INSTALL 1-INCH WATER SERVICE
1- CORPORATION, CURB STOP, AND BOX

ABANDON EXISTING WATER SERVICE AND CURB STOP

W. GRAYSIDE AVE.
STH 82

PC = 139+87.14

139+00

PC = 505+70.59

505+00

506+00

DIVISION ST./STH 58

PI = 504+63.88

507+00

PT = 506+52.66

140+00

PC = 140+28.43

E. GRAYSIDE AVE.

ADJUST EXISTING WATER CURB STOP

ADJUST EXISTING WATER CURB STOP

ADJUST EXISTING WATER VALVE BOX

PC = 507+73.50

508+00

REMOVE AND SALVAGE EXISTING HYDRANT & VALVE/BOX TO OWNER
1- HYDRANT
1- 6" VALVE AND BOX
38 LF-6" DIWM

PT = 508+30.10

PC = 509+03.88

509+00

PT = 509+68.26

510+00

DIVISION ST./STH 58

ADJUST EXISTING HYDRANT AND WATER VALVE BOX

ADJUST EXISTING WATER CURB STOP

ADJUST EXISTING SANITARY MANHOLE

ADJUST EXISTING WATER VALVE BOX

INSTALL 1-INCH WATER SERVICE
1- YARD HYDRANT
1- CORPORATION, CURB STOP, AND BOX

N

SANITARY SEWER AND WATER MAIN PLANS AND DETAILS PREPARED BY:

WISCONSIN
RAINE L. GARDNER
E-41414
BARABOO
WI
PROFESSIONAL ENGINEER

Raine L. Gardner
10/19/12

EXISTING ℄ PROFILE

FINISHED ℄ PROFILE

	504+50	505+00	505+50	506+00	506+50	507+00	507+50	508+00	508+50	509+00	509+50	510+00	510+50
EXISTING	884.13	883.46	882.80	882.20	881.60	881.01	880.41	879.81	879.21	878.96	878.71	878.4	878.3
FINISHED	884.8	883.9	883.0	882.4	881.5	880.9	880.5	879.9	879.5	879.1	878.8		

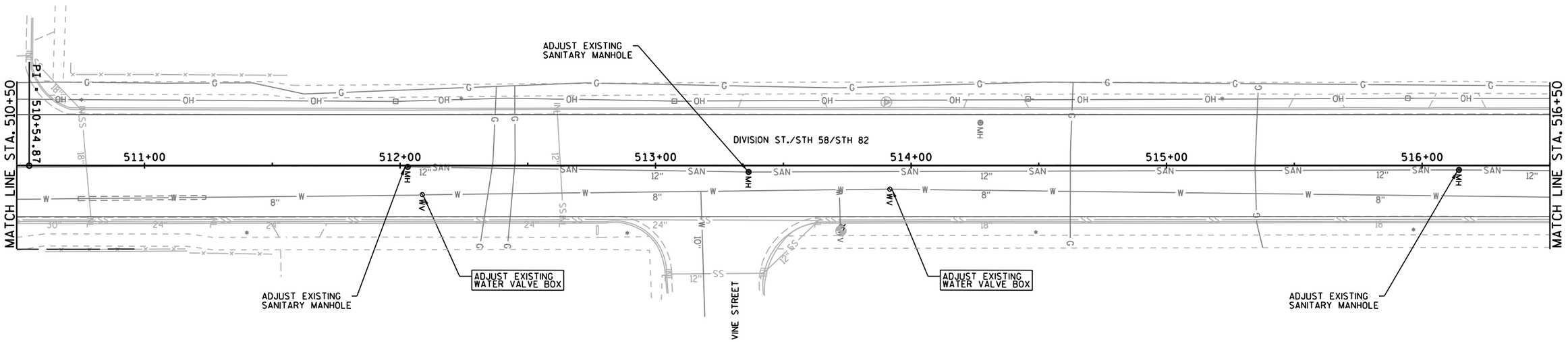
888 886 884 882 880 878 876 874 872

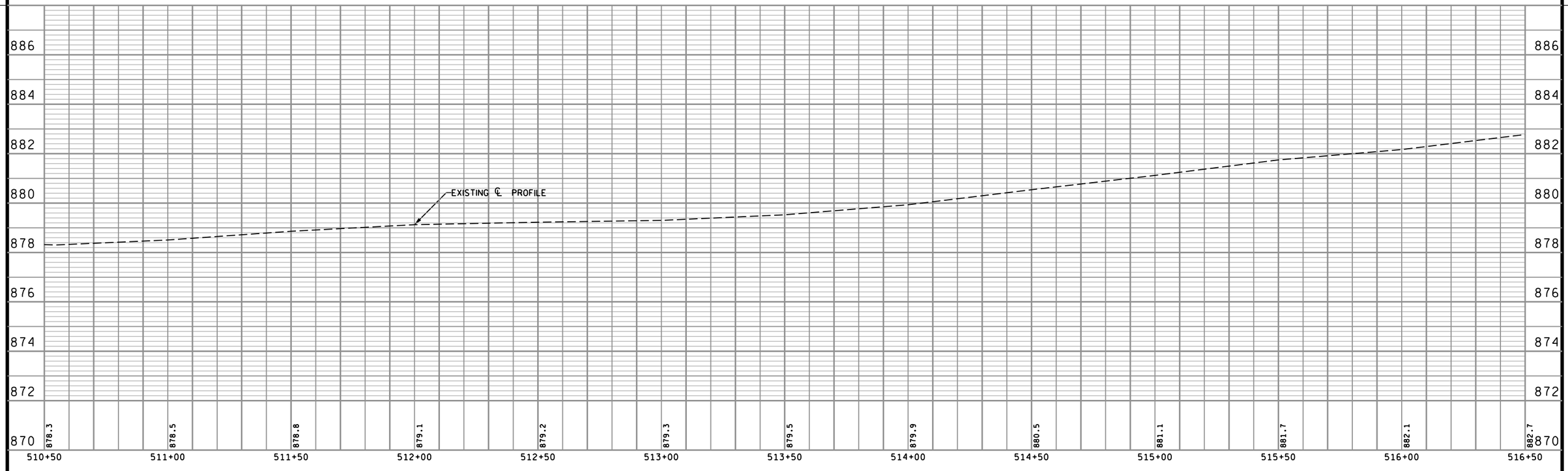
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 73	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_08.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_08.dgn 10/19/2012 1:01:03 PM rgardner



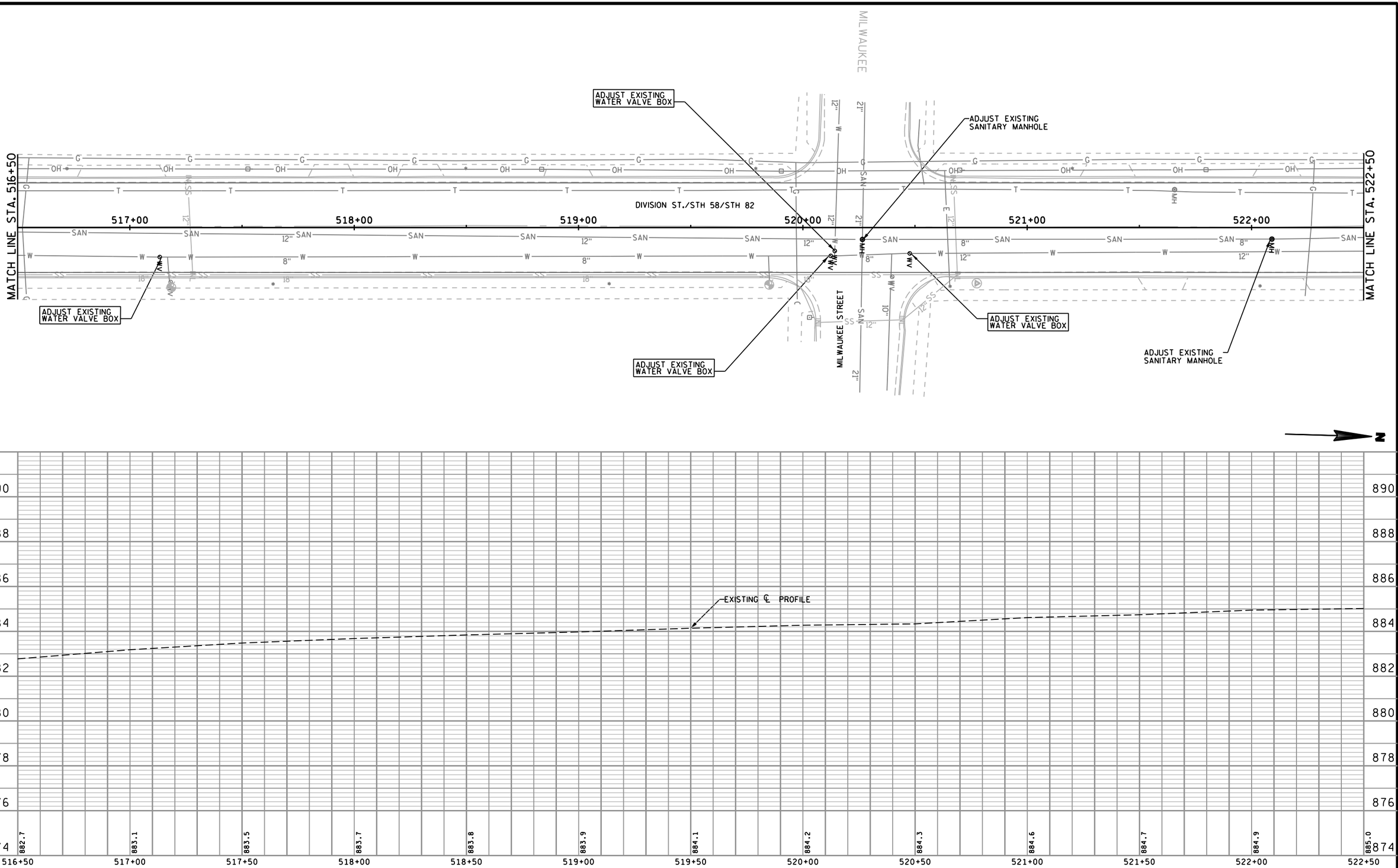


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 74	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_09.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_09.dgn 10/19/2012 1:24:08 PM rgardner



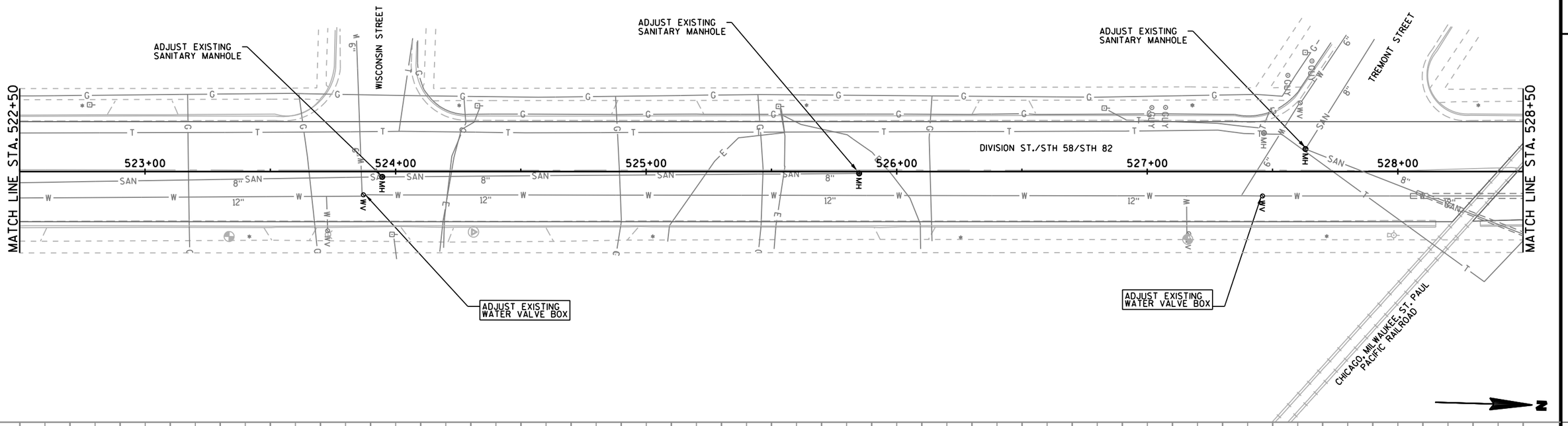
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 75	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_10.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_10.dgn 10/19/2012 1:24:49 PM rgardner

2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 76 E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_11.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_11.dgn 10/19/2012 1:25:28 PM rgardner

2

CHICAGO, MILWAUKEE, ST. PAUL PACIFIC RAILROAD

MATCH LINE STA. 528+50

DIVISION ST./STH 58/STH 82

529+00 530+00 531+00 532+00 533+00

STA 533+50.00

STA 533+50.00
Y = 156638.97
X = 462650.26

MAINE STREET

OAK STREET

LA CROSSE STREET

ADJUST EXISTING WATER VALVE BOX

ADJUST EXISTING SANITARY MANHOLE

ADJUST EXISTING WATER VALVE BOX

END CONSTRUCTION
STA. 532+75.98
Y = 156,565.29
X = 462,653.20

EXISTING ℄ PROFILE

888 886 884 882 880 878 876 874 872

883.3 882.8 882.3 881.7 881.4 881.5 881.5 881.7 881.8 882.0 882.1

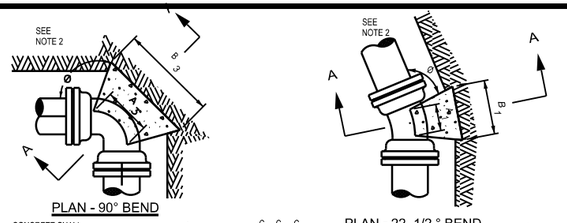
528+50 529+00 529+50 530+00 530+50 531+00 531+50 532+00 532+50 533+00 533+50 534+00 534+50

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	SANITARY AND WATER MAIN	SHEET 77	E

FILE NAME : P:\40s\44\00044018\CADD\Planshts\Utility plan sheets 2012\U_12.dgn PLOT DATE : 10/19/2012 PLOT BY : rgardner PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41a

U_12.dgn 10/19/2012 1:44:44 PM rgardner

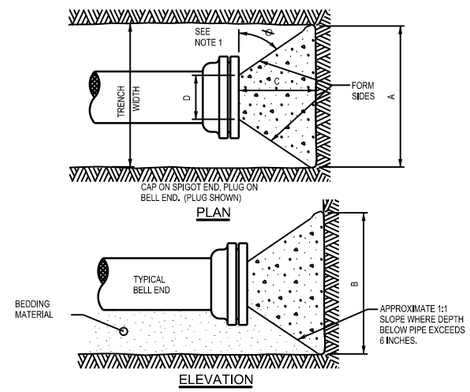


NOTES:

1. ALL BUTTRESSED FITTINGS SHALL BE PRE-CAST CONCRETE BLOCKING CONFORMING TO THE DIMENSIONS SHOWN.
2. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
3. DIMENSION C. C. C. SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
4. DIMENSION C. C. C. SHOULD BE LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS DIMENSIONS						
PIPE SIZE	22 1/2 ° BENDS		45° BENDS		90° BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

BUTTRESS FOR BENDS DETAIL
SCALE: NONE

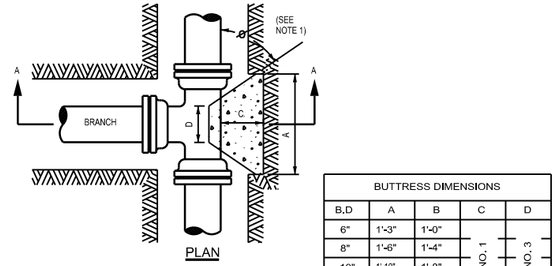


NOTES:

1. ALL BUTTRESSES SHALL BE PRE-CAST CONCRETE BLOCKING CONFORMING TO THE ABOVE DIMENSIONS.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, WEDGE ACTION RESTRAINING GLANDS SHALL BE PERMITTED.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ.FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

BUTTRESS FOR PLUGS DETAIL
SCALE: NONE



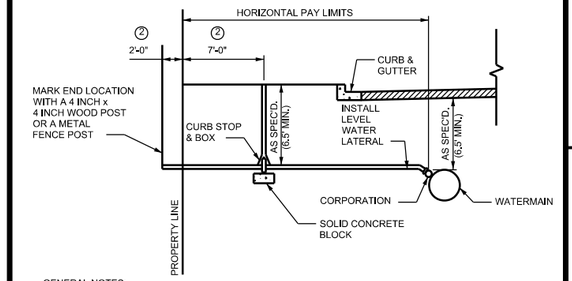
NOTES:

1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
2. ALL BUTTRESSES SHALL BE PRE-CAST CONCRETE BLOCKING CONFORMING TO THE DIMENSIONS ABOVE.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
8. IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS DIMENSIONS				
B,D	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

B.D. = BRANCH DIAMETER

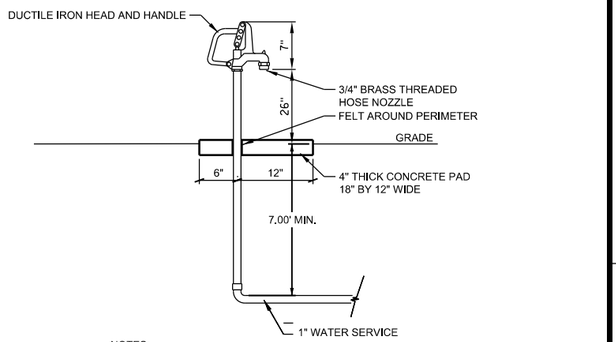
BUTTRESS FOR TEES DETAIL
SCALE: NONE



GENERAL NOTES:

1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.

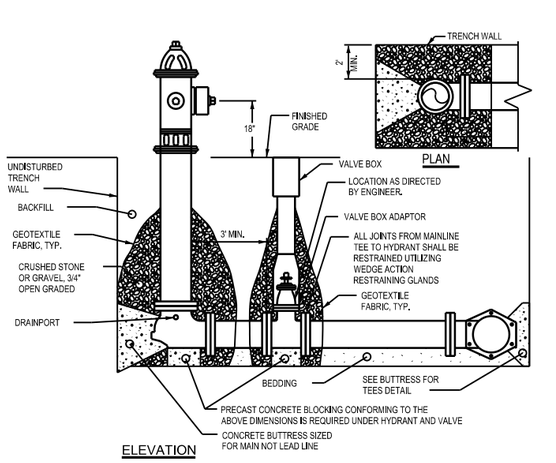
WATER SERVICE DETAIL
SCALE: NONE



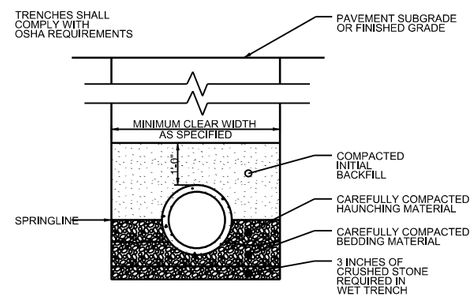
NOTES:

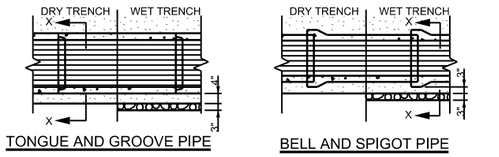
1) YARD HYDRANT SHALL BE WOODFORD FREEZELESS YARD HYDRANT MODEL R34 OR EQUAL.
2) YARD HYDRANT SHALL HAVE A TAMPERPROOF LOCK WHICH CAN BE PADLOCKED IN THE CLOSED POSITION.

YARD HYDRANT DETAIL
NOT TO SCALE



HYDRANT AND LEAD CONNECTION DETAIL
SCALE: NONE

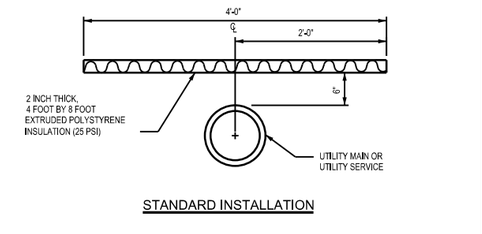




GENERAL NOTES:

1. BEDDING AND HAUNCHING MATERIAL SHALL BE WELL-GRADED 3/4 TO 1/4 INCH CRUSHED STONE OR OTHER NONE COHESIVE MATERIAL NOT SUBJECT TO MIGRATION AND FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. BEDDING MATERIAL TO BE PLACED BEFORE SETTING PIPE, 4 INCH MINIMUM UNDER BARREL WITH 3 INCH MINIMUM UNDER BELL.
3. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON-COHESIVE FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
4. IN ROCK OR OTHER INCOMPRESSABLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6-INCHES AND REFILLED WITH GRANULAR MATERIAL.

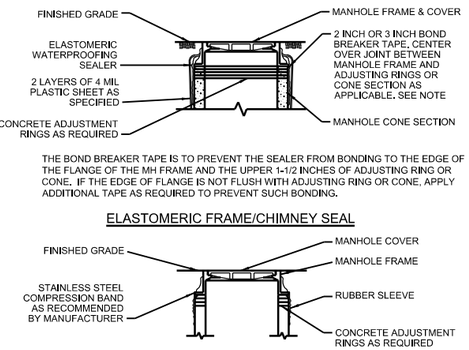
CLASS "B" EMBEDMENT FOR RIGID PIPE DETAIL
SCALE: NONE



GENERAL NOTES:

1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL
SCALE: NONE



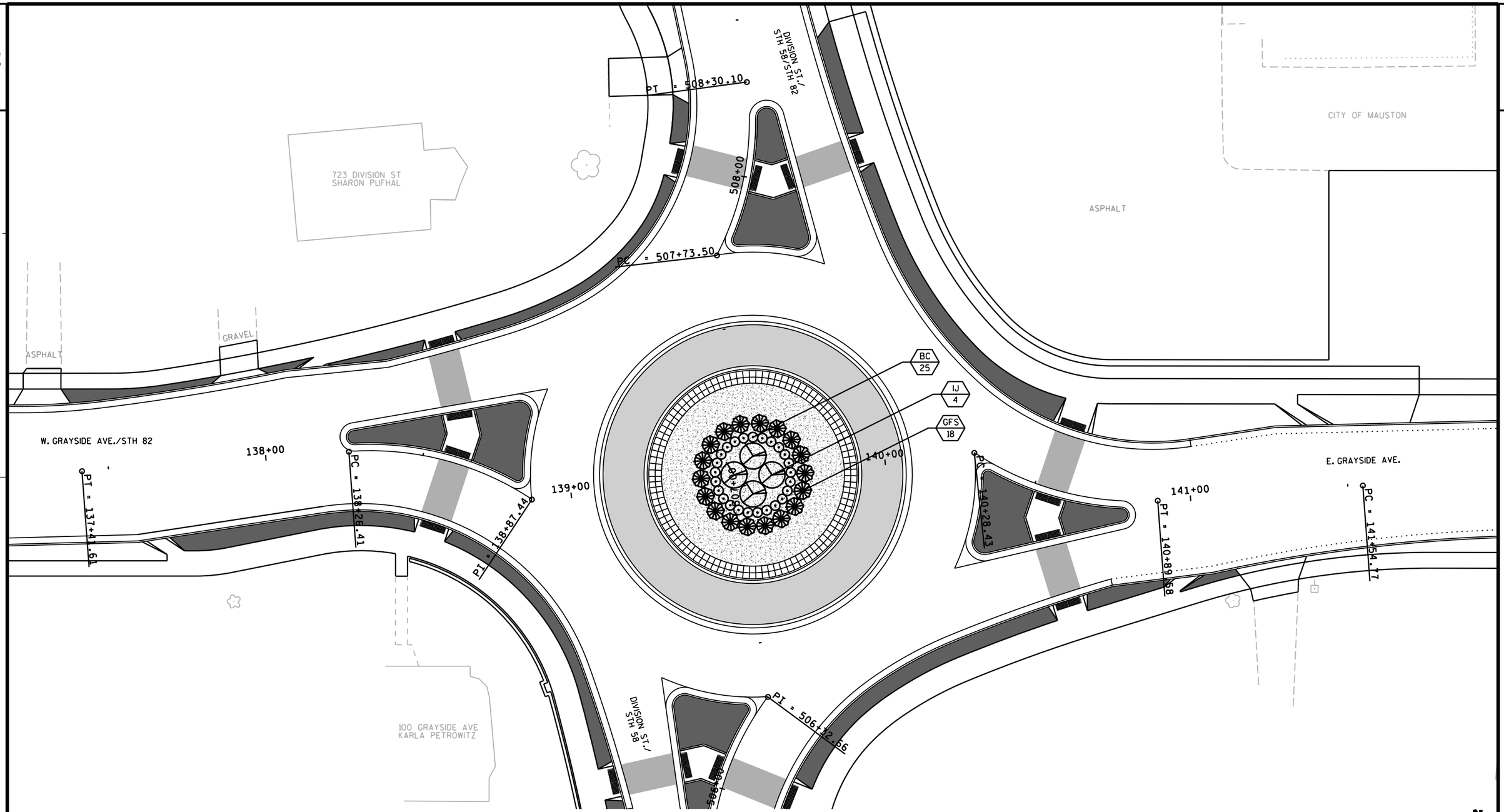
THE BOND BREAKER TAPE IS TO PREVENT THE SEALER FROM BONDING TO THE EDGE OF THE FLANGE OF THE MH FRAME AND THE UPPER 1-1/2 INCHES OF ADJUSTING RING OR CONE. IF THE EDGE OF FLANGE IS NOT FLUSH WITH ADJUSTING RING OR CONE, APPLY ADDITIONAL TAPE AS REQUIRED TO PREVENT SUCH BONDING.

ELASTOMERIC FRAME/CHIMNEY SEAL

GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL
SCALE: NONE



LEGEND

- 3-INCHES MULCH OVER WEED BARRIER FABRIC (INCIDENTAL TO BID ITEMS 632.0101 & 632.0201)
- CONCRETE SIDEWALK 5-INCH, SQUARE SCORING PATTERN

PLANT DATA CHART

SYM.	COMMON NAME	SCIENTIFIC NAME	ANS TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE					BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION REQUIRED
							BALL/POT		ROOT SPREAD	PLANT HOLE				
							DIAMETER	DEPTH		DIAMETER	DEPTH			
BC	CINQUEFOIL, BUSH	POTENTILLA FRUTICOSA	1S	2'-3'	2'HT	CONT	11"	8"	--	35"	8"	--	2	NO
GFS	SUMAC, FRAGRANT GRO-LOW	RHUS AROMATICA 'GRO-LOW'	3S	1.5'-2'	2'HT	CONT	11"	8"	--	35"	8"	--	1	NO
IJ	IOWA JUNIPER	JUNIPERUS CHINENSIS 'IOWA'	4E	8'-10'	5'HT	B&B	20"	12"	--	44"	12"	--	1	NO

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLANTING DETAIL	SHEET 79	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Roundabout Planting Detail.dgn 2/5/2013 9:21:19 AM bhuibregtse

NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

NOTE: LEFT AND RIGHT SIDE YIELD SIGNS SHALL BE AT SAME MOUNTING HEIGHT TO THE BOTTOM OF YIELD SIGNS.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Signing01.dgn 2/5/2013 9:21:22 AM bhuibregtse

2

N

2.1 Elroy / La Valle
D1-2
66" X 30"

2.2
J4-2
48" X 36"
NORTH 58 EAST 82

2.3
J2-2
48" X 57"
WEST 82 COUNTY G

2.4
NO PARKING ANY TIME
R7-1D
18" X 24"

2.5
J2-2
48" X 57"
SOUTH 58 H

2.6
W2-6
30" X 30"

2.7
ROUNDABOUT AHEAD
W2-6P
30" X 15"

2.8
15 M.P.H.
W13-1
18" X 18"

2.9
Elroy-Sparta State Trail
D1-2
78" X 24"

2.10
STOP
R1-1
30" X 30"

2.11
COUNTY G
M1-5A
24" X 24"

2.12
SPEED LIMIT 25
R2-1
24" X 30"

2.13
NO PARKING ANY TIME
R7-1D
18" X 24"

E2.1 NO PARKING ANY TIME

E2.2

E2.3 STOP

E2.4

E2.5 NO PARKING ANY TIME

E2.6 NO PARKING ANY TIME

E2.7 SPEED LIMIT 25

E2.8

E2.9 SPEED LIMIT 25 / SLOW CHILDREN AT PLAY

E2.10 NO PARKING ANY TIME

MATCH LINE STA. 141+50

MATCH LINE STA. 147+50

142+00 143+00 144+00 145+00 146+00 147+00

PC = 141+54.77

PT = 142+14.40

PC = 145+46.81

E. GRAYSIDE AVE.

S. HICKORY ST.

SALVAGE BY OTHERS — MAUSTON

SALVAGE BY OTHERS — GRAYSIDE AVE / HICKORY ST

SALVAGE BY OTHERS — GOLDEN EAGLE DR / MAPLE GROVE DR

BIKE RACK

CONC

GATE ACCESS

GRASS

WALL

ASPHALT

GUY

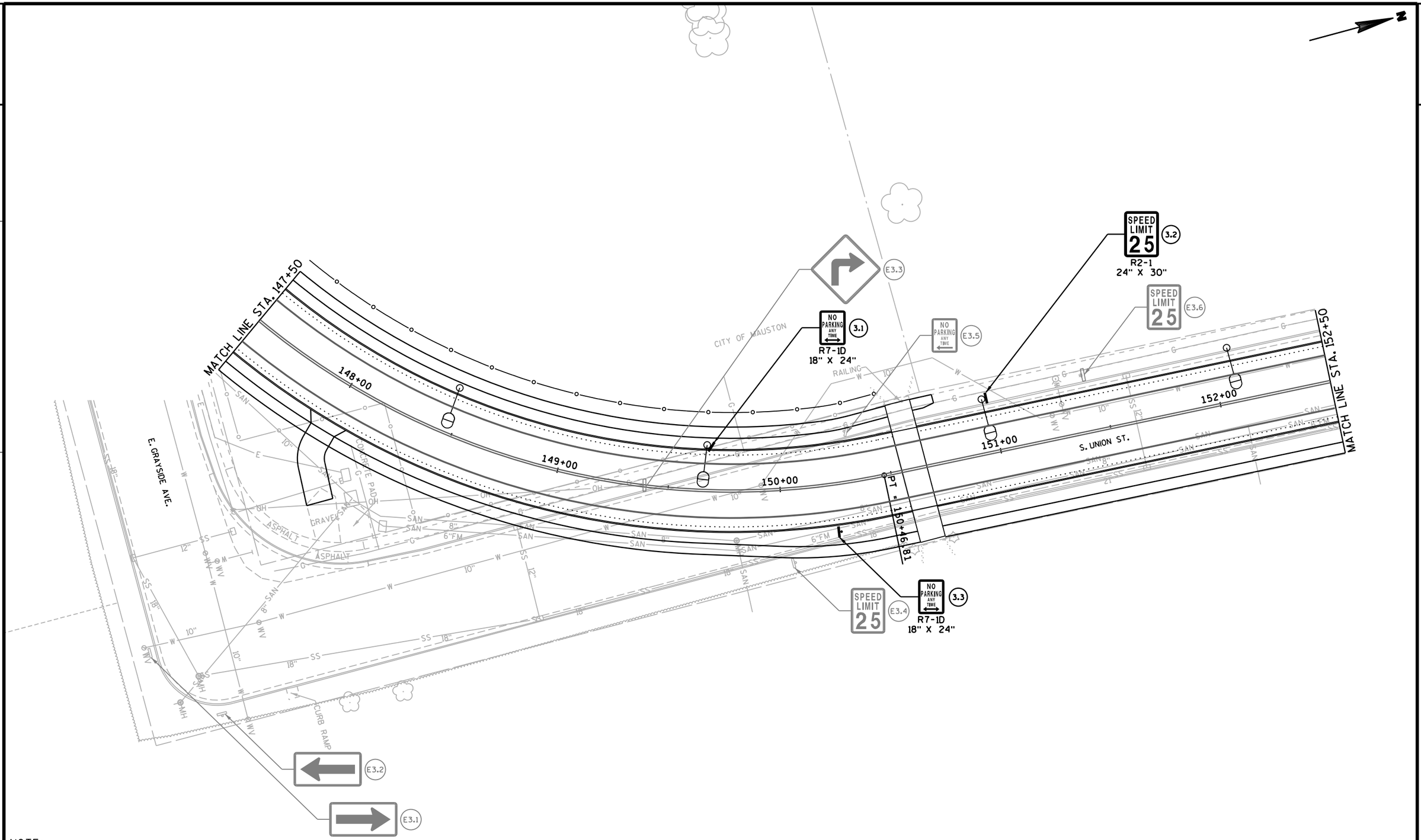
MH

IP

NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 81	E

2



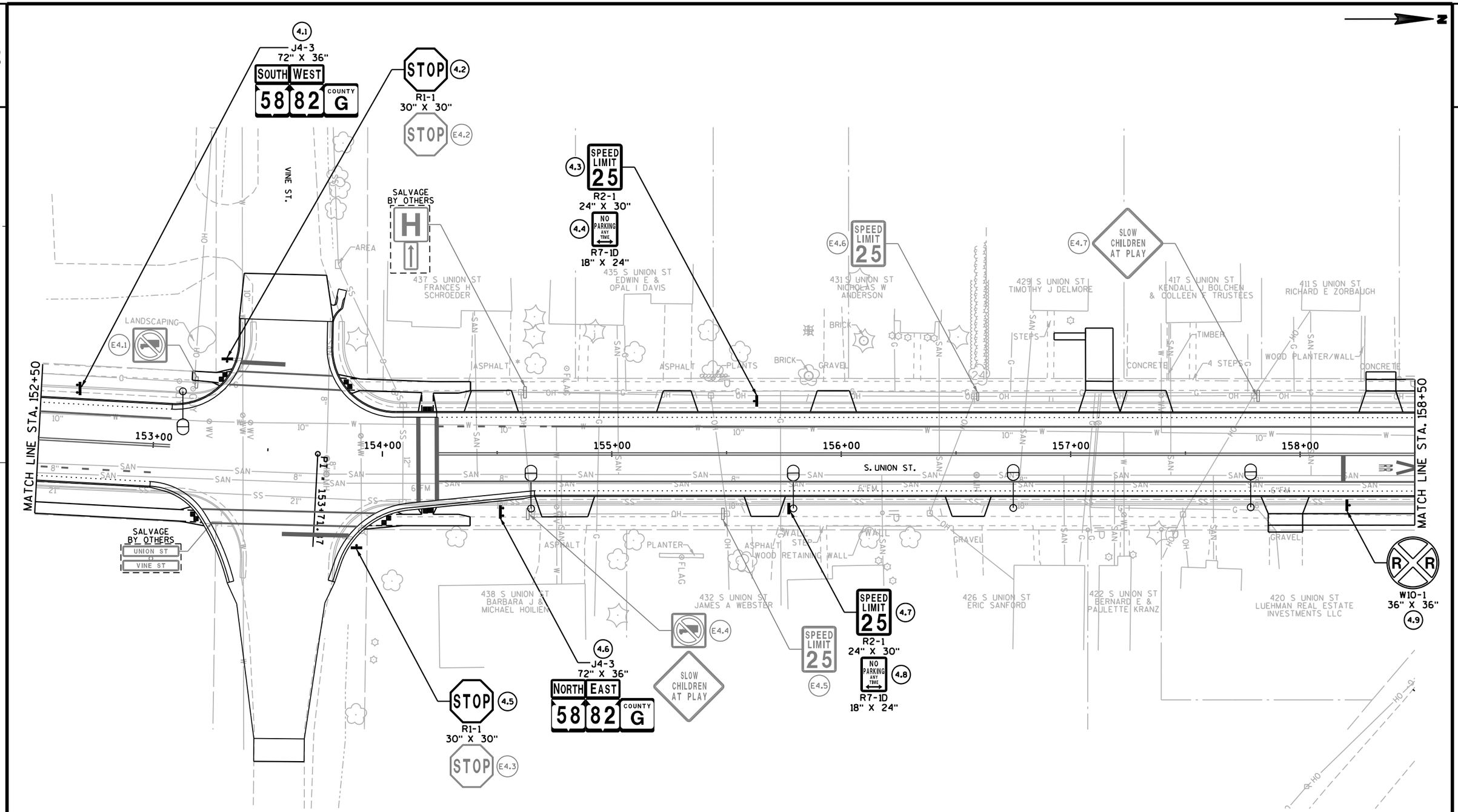
NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2



NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 83	E

2

N

5.1 R7-1D 18" X 24" — NO PARKING ANY TIME

5.2 R4-7c 18" X 24"

5.3 R2-1 24" X 30" — SPEED LIMIT 25

5.4 R9-3A 24" X 24"

5.5 R9-3BL 18" X 12" — USE CROSSWALK

5.6 W5-56A 18" X 18"

5.7 W5-56A 18" X 18"

5.8 W5-56A 18" X 18"

5.9 5.10 W14-1 30" X 30" DEAD END — TWO (2) W14-1 SIGNS TO BE PLACED ON THE NORTH AND SOUTH SIDE OF MILWAUKEE STREET AT THE INTERSECTION OF MILWAUKEE STREET AND PINE STREET

5.11 R4-7c 18" X 24"

5.12 W10-1 36" X 36"

5.13 R1-1 30" X 30" STOP

5.14 R2-1 24" X 30" SPEED LIMIT 25

5.15 R7-1D 18" X 24" NO PARKING ANY TIME

5.16 5.17 5.18 5.19 5.20 W14-1 30" X 30" DEAD END — TWO (2) W14-1 SIGNS TO BE PLACED AT INTERSECTION OF MILWAUKEE STREET AND VINE STREET

W5-56A 18" X 18" ×3

SEE MILWAUKEE STREET CLOSURE DETAIL FOR SIGN LOCATIONS

5.21 R2-1 24" X 30" SPEED LIMIT 25

5.22 R7-1D 18" X 24" NO PARKING ANY TIME

5.23 R7-1D 18" X 24" NO PARKING ANY TIME

E5.1 NO PARKING ANY TIME

E5.2 STOP

E5.3 SPEED LIMIT 25

E5.4 STOP

E5.5 STOP

E5.6 NO PARKING 2:00 AM TO 7:00 AM

E5.7 NO PARKING

SALVAGE BY OTHERS — UNION ST & MILWAUKEE ST

SALVAGE BY OTHERS — UNION ST & WASHINGTON ST

405 S UNION ST ERNEST JR & LAUDREY SCHMOCKER

115 WASHINGTON ST DOMANN'S FARM SUPPLY INC

414 LACROSSE ST MAUSTON IND LEASING ALFRED GABOWER TRUST

324 S UNION ST MAUSTON IND LEASING ALFRED GABOWER TRUST

411 PRAIRIE ST MAUSTON IND LEASING ALFRED GABOWER TRUST

CHICAGO, MILWAUKEE, ST PAUL PACIFIC RAILROAD

RAILROAD CROSSING LIGHTS

RAILROAD CONTROL CABINET

E. MILWAUKEE ST.

S. UNION ST.

WASHINGTON ST.

MATCH LINE STA. 158+50

MATCH LINE STA. 164+50

PT = 160+32.26

PC = 159+15.87

PC = 159+31.43

PT = 159+44.74

PI = 160+14.19

PC = 161+89.63

ASPHALT

GRAVEL

DIRT

LANDSCAPING

DRIVEWAY

DOOR

DOOR STEP

ROOF DRAIN

GARAGE DOOR

BOLLARD

CROSSING LIGHTS

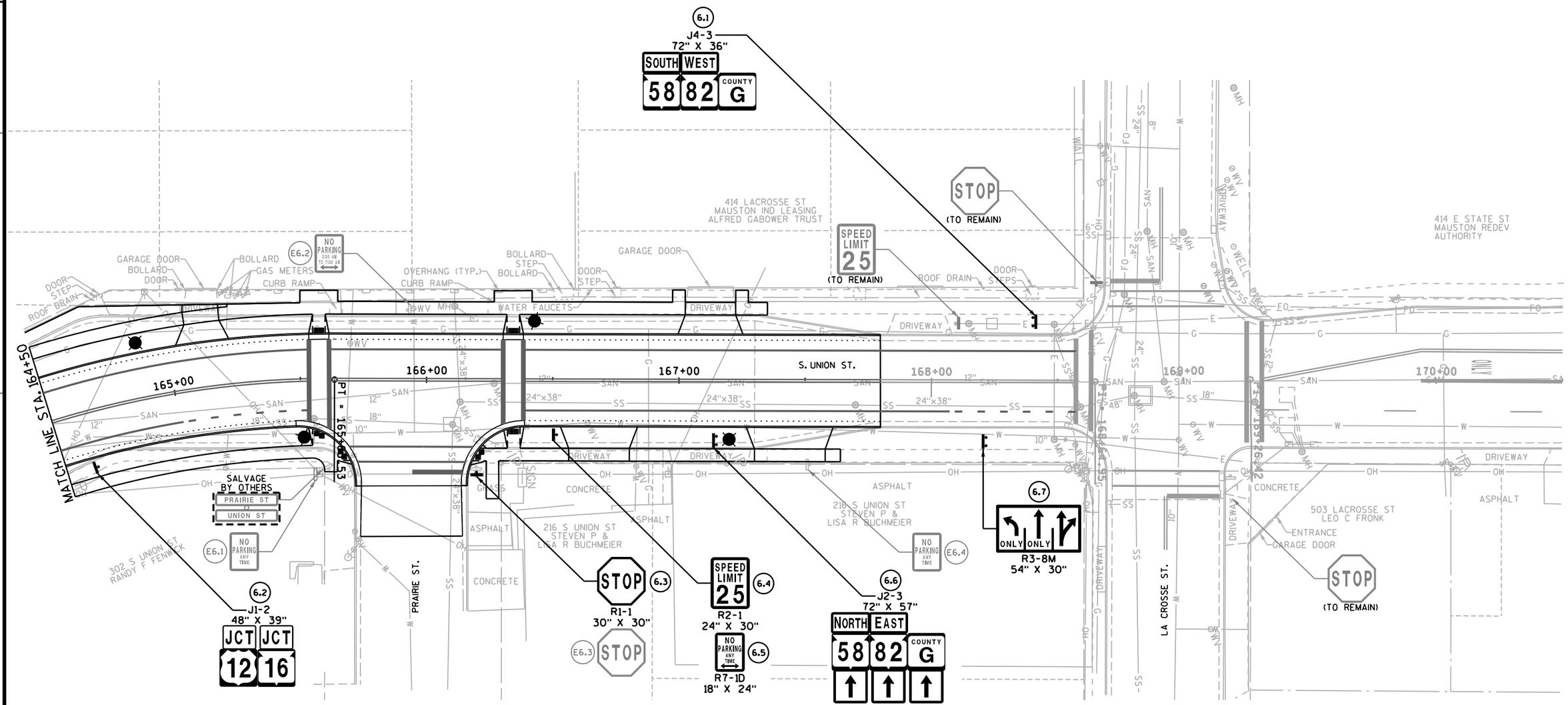
NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2



NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 85	E

2

N

7.1 SPEED LIMIT 35 R2-1 24" X 30"

7.9 J12-1 24" X 45" COUNTY G

E7.2 SPEED LIMIT 35

7.2 SPEED LIMIT 25 R2-1 24" X 30"

E7.5 SOUTH 58

7.3 J4-1 24" X 36" SOUTH 58

MATCH LINE STA. 505+00

501+00 502+00 503+00 504+00 505

STA. 500+00.00

DIVISION ST./STH 58

PI = 504+63.88

E7.1 JCT JCT 82 COUNTY G MOVING SIGNS TYPE II

7.4 SPEED LIMIT 25 R2-1 24" X 30"

902 DIVISION ST RACHEL M. DAHL

7.5 W2-6 30" X 30"

7.6 ROUNDABOUT AHEAD W2-6P 30" X 15"

7.7 15 M.P.H. W13-1 18" X 18"

GENEVIEVE ST.

SALVAGE BY OTHERS DIVISION ST TO GENEVIEVE ST

7.8 STOP R1-1 30" X 30"

E7.3 STOP

E7.4 BUSINESS DIST ELROY

SPEED LIMIT 25

806 DIVISION ST BRENDA K BELK

SALVAGE BY OTHERS MAUSTON

7.10 J2-3 72" X 57" WEST 82 EAST 82 NORTH 58

ASPHALT ASPHALT CONCRETE CONCRETE CONCRETE GRAVEL GRAVEL CONC.

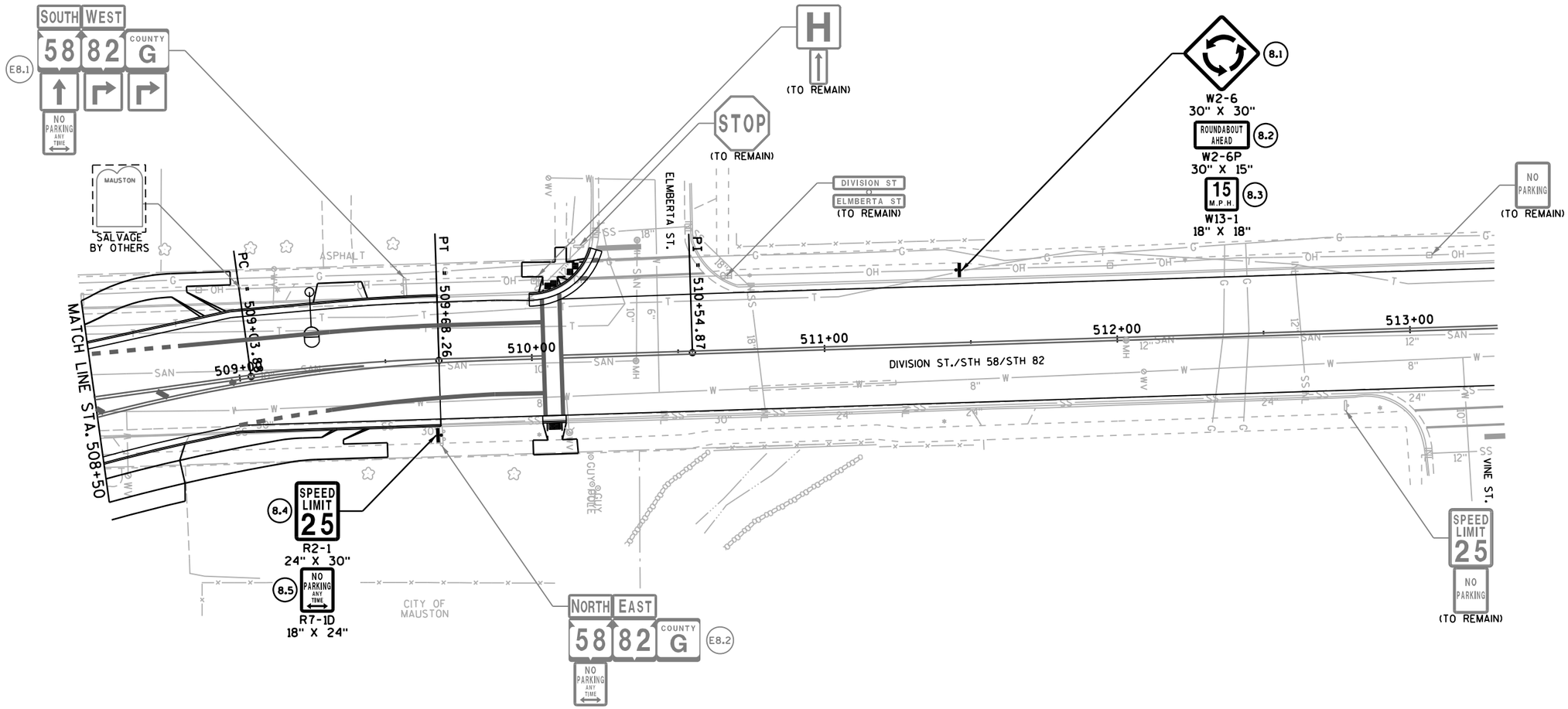
NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2



NOTE:
ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 87	E

2

9.0
J3-2
48" X 93"
NORTH | SOUTH
58 | 58
EAST | WEST
82 | 82

SEE SIGN 9.0 DETAIL

PINE STREET

STA • 300+00.00

NORTH 58 EAST 82 — R.2
REMOVE SIGN FROM STREET LIGHT POLE

SOUTH 58 WEST 82 — R.1
REMOVE SIGN FROM STREET LIGHT POLE

(TO REMAIN)
COUNTY G
C.1
REMOVE SIGN COVER

LA CROSSE ST.

E. STATE ST./USH 12/ STH 16/STH 58/STH 82

PI • 302+83.37

(TO REMAIN)
EAST 12 16 — COUNTY G — H
C.2 REMOVE SIGN COVER
C.3 REMOVE SIGN COVER

(TO REMAIN)
WEST 12 16 — SOUTH 58 WEST 82
C.4 REMOVE SIGN COVER

(TO REMAIN)
SOUTH 58 WEST 82
C.5 REMOVE SIGN COVER

167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00

S. UNION ST.

PI • 169+45.96
PI • 169+95.42
PI • 170+75.32
PI • 303+65.10
PI • 172+17.49
PI • 177+08.21

N. UNION ST./STH 58/STH 82

E. STATE ST./USH 12/STH 16

STA • 306+00.00
STA • 306+50.00

(TO REMAIN)
SOUTH 58 WEST 82
C.6 REMOVE SIGN COVER
C.7 REMOVE SIGN COVER
(TO REMAIN)
(TO REMAIN)
COUNTY G
C.8
REMOVE SIGN COVER

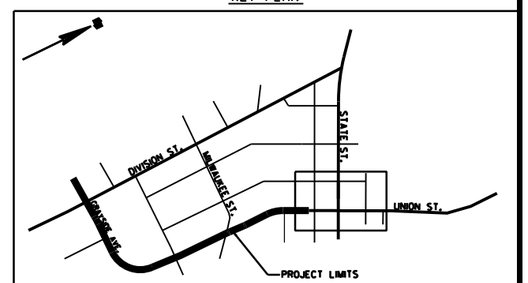
MANSION ST.

WATER STREET

48"
NORTH | SOUTH
58 | 58
EAST | WEST
82 | 82
2' MIN.
93"
8'
POSTS WOOD 4X6-INCH x 22-FT
CORING FOR POSTS WOOD, CENTERED 6" IN TERRACE AND 6" IN SIDEWALK

SIGN 9.0 DETAIL

KEY PLAN



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	REDESIGNATION SIGNING PLAN	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

2

N

BEACH ST.

STATE ST./USH 12/STH 16

ELM ST.

R.6 — JCT 58 82 — REMOVE SIGN AND POST

(TO REMAIN) SOUTH 12 16

(TO REMAIN) ALTERNATE INTERSTATE 90

(TO REMAIN) ALTERNATE INTERSTATE 90

R.7 — SOUTH WEST 58 82 — REMOVE SIGN FROM TRAFFIC SIGNAL POLE

R.8 — SOUTH WEST 58 82 — REMOVE SIGN FROM TRAFFIC SIGNAL POLE

R.9 — COUNTY G — REMOVE SIGN FROM STREET LIGHT POLE

R.10 — 58 82 — REMOVE SIGN FROM STREET LIGHT POLE

TO 10.0 M4-5 24" X 12"

12 58 16 82 — (TO REMAIN)

R.5 — NORTH 58 EAST WEST 82 82 — REMOVE SIGN FROM TRAFFIC SIGNAL POLE

R.11 — SOUTH WEST 58 82 COUNTY G — REMOVE SIGN AND POSTS

MAINE ST.

DIVISION ST./STH 58/ STH 82/CTH G

COVERING SIGN TYPE II 82 12 16 (TO REMAIN)

(TO REMAIN) TO INTERSTATE 90 INTERSTATE 94

LACROSSE ST.

STATE ST./USH 12/STH 16/ STH 58/STH 82/CTH G

R.4 — COUNTY G — REMOVE SIGN FROM STREET LIGHT POLE

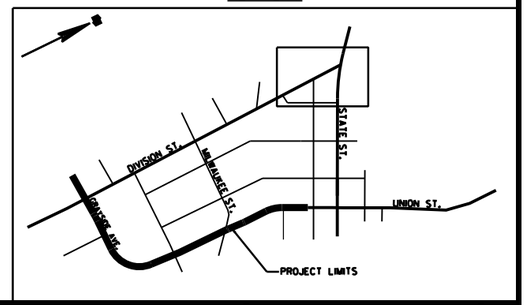
R.3 — SOUTH WEST 58 82 — REMOVE SIGN FROM STREET LIGHT POLE

OAK ST.

TREMONT ST.

528+00 529+00 530+00 531+00 532+00 533+00 534+00 535+00

KEY PLAN



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	REDESIGNATION SIGNING PLAN	SHEET 89	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

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2

N

MATCH LINE STA. 508+50

PT = 508+30.10

723 DIVISION ST
SHARON PUFHAL

ASPHALT

GRASS

10'

508+00

DIVISION ST./
STH 58/STH 82

PC = 507+73.50

GRAVEL

ASPHALT

MATCH INTO EXISTING
PAVEMENT MARKINGS

136+00

137+00

W. GRAYSIDE AVE./STH 82

8'
12'
12'
8'

STA = 135+50.00

PC = 136+97.92

PT = 137+41.61

4'

25'
(TYP.)

32'

138+00

50'

PC = 138+26.41

PT = 138+84.44

10'

139+00

507+00

140+00

10'

PC = 140+28.43

141+00

PT = 140+89.58

E. GRAYSIDE AVE.

32'

4'

MATCH LINE STA. 141+50

100 GRAYSIDE AVE
KARLA PETROWITZ

PT = 505+82.86

10'

50'

32'

PC = 505+70.69

GRAVEL

GRAVEL

DIVISION ST./STH 58

40'

4'

4'

500+00

MATCH LINE STA. 505+00

A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
C	PAVEMENT MARKING ISLAND NOSE EPOXY, YELLOW
D	PAVEMENT MARKING CURB EPOXY, YELLOW
E	PAVEMENT MARKING EPOXY 4-INCH, WHITE
F	PAVEMENT MARKING EPOXY 4-INCH, WHITE, 2' DASH, 6' SKIP
G	PAVEMENT MARKING EPOXY 4-INCH, WHITE, 3' DASH, 3' SKIP
H	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
I	PAVEMENT MARKING EPOXY 8-INCH, WHITE
J	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
K	PAVEMENT MARKING STOP LINE EPOXY, 12-INCH
L	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH
M	PAVEMENT MARKING EPOXY 18-INCH, WHITE, 2' DASH, 2' SKIP
N	PAVEMENT MARKING WORDS EPOXY
O	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

N

CITY OF MAUSTON

CITY OF MAUSTON

BIKE RACK

CONC.

GATE ACCESS

GRASS

MATCH LINE STA. 141+50

MATCH LINE STA. 147+50

142+00

143+00

144+00

145+00

146+00

147+00

E. GRAYSIDE AVE.

12'

12'

4'

4'

6'

4'

50'

PC = 141+54.77

PT = 142+14.40

PC = 145+46.81

G

A

E

H

K

E

F

E

WALL

ASPHALT

800 HICKORY ST
YEE VANG

801 HICKORY ST
DOROTHY BETTHAUSER

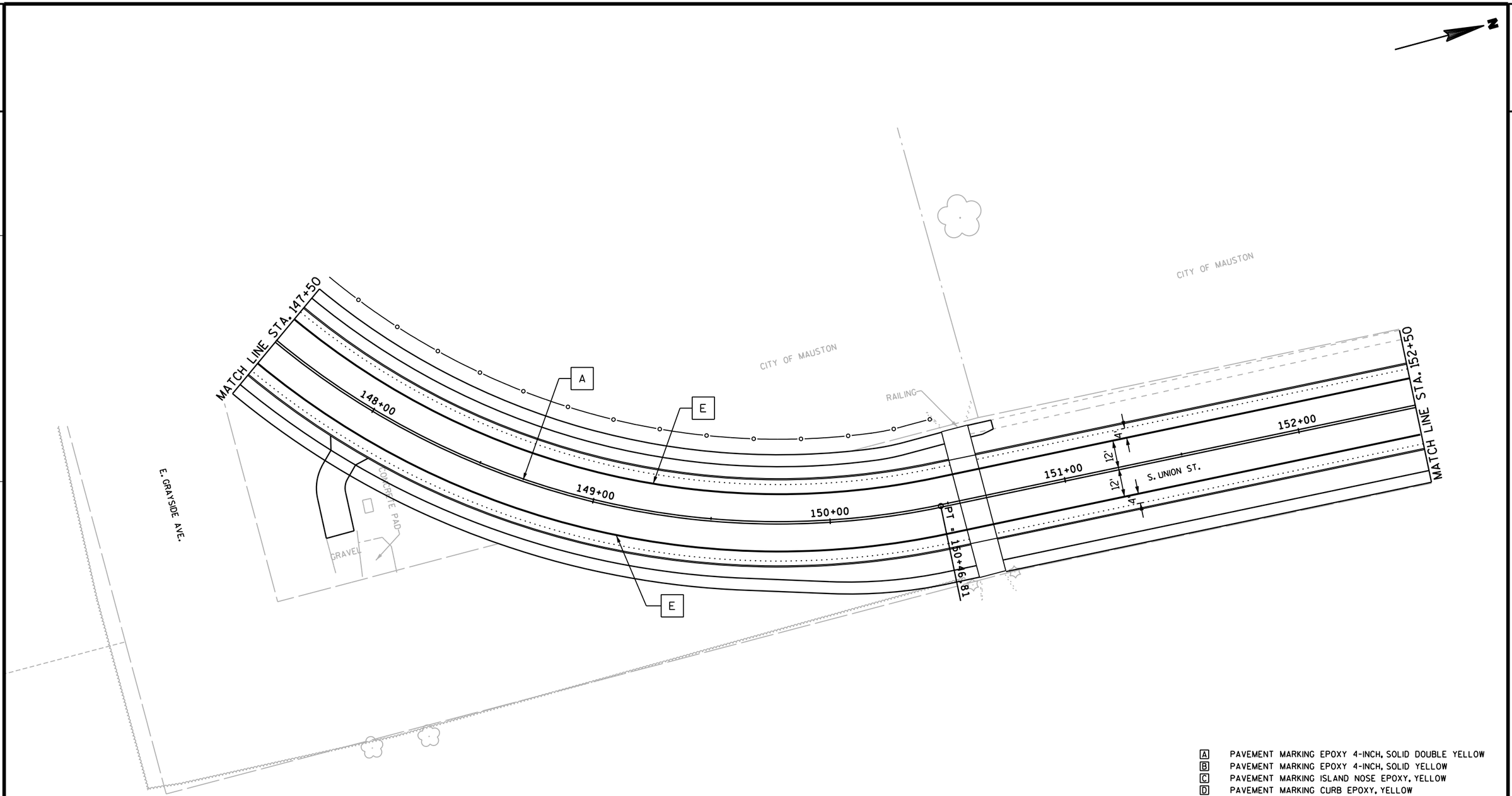
S. HICKORY ST.

IP

- A PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
- B PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
- C PAVEMENT MARKING ISLAND NOSE EPOXY, YELLOW
- D PAVEMENT MARKING CURB EPOXY, YELLOW
- E PAVEMENT MARKING EPOXY 4-INCH, WHITE
- F PAVEMENT MARKING EPOXY 4-INCH, WHITE, 2' DASH, 6' SKIP
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- H PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- I PAVEMENT MARKING EPOXY 8-INCH, WHITE
- J PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
- K PAVEMENT MARKING STOP LINE EPOXY, 12-INCH
- L PAVEMENT MARKING CROSSWALK EPOXY 12-INCH
- M PAVEMENT MARKING EPOXY 18-INCH, WHITE, 2' DASH, 2' SKIP
- N PAVEMENT MARKING WORDS EPOXY
- O PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 91	E

2



A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
C	PAVEMENT MARKING ISLAND NOSE EPOXY, YELLOW
D	PAVEMENT MARKING CURB EPOXY, YELLOW
E	PAVEMENT MARKING EPOXY 4-INCH, WHITE
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M	PAVEMENT MARKING EPOXY 18-INCH, WHITE, 2' DASH, 2' SKIP
N	PAVEMENT MARKING WORDS EPOXY
O	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

N

MATCH LINE STA. 152+50

MATCH LINE STA. 158+50

153+00

154+00

155+00

156+00

157+00

158+00

S. UNION ST.

VINE ST.

PI - 153+71.17

AREA DRAIN

LANDSCAPING

437 S UNION ST
FRANCES H
SCHROEDER

435 S UNION ST
EDWIN E &
OPAL I DAVIS

431 S UNION ST
NICHOLAS W
ANDERSON

429 S UNION ST
TIMOTHY J DELMORE

417 S UNION ST
KENDALL J BOLCHEN
& COLLEEN F TRUSTEES

411 S UNION ST
RICHARD E ZORBAUGH

438 S UNION ST
BARBARA J &
MICHAEL HOILIEN

432 S UNION ST
JAMES A WEBSTER

426 S UNION ST
ERIC SANFORD

422 S UNION ST
BERNARD E &
PAULETTE KRANZ

420 S UNION ST
LUEHMAN REAL ESTATE
INVESTMENTS LLC

ASPHALT

PLANTS

BRICK

GRAVEL

STEPS

TIMBER

4 STEPS

CONCRETE

WOOD PLANTER/WALL

PLANTER

FLAG

WALL
STEP
WOOD RETAINING WALL

A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 93	E

2

N

E. MILWAUKEE ST.

405 S UNION ST
ERNEST JR & AUDREY
SCHMOCKER

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

CROSSING LIGHTS

118 WASHINGTON ST
DOMANN'S FARM
SUPPLY INC

WASHINGTON ST.

414 LACROSSE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

MATCH LINE STA. 158+50

158+00

159+00

160+00

161+00

162+00

163+00

164+00

PT = 159+31.43

PC = 159+48.74

PT = 160+14.16

PC = 161+15.87

PT = 161+32.26

PC = 161+89.68

MATCH LINE STA. 164+50

S. UNION ST.

50'

RAILROAD CROSSING LIGHTS

CHICAGO, MILWAUKEE, ST PAUL
PACIFIC RAILROAD

RAILROAD CONTROL CABINET

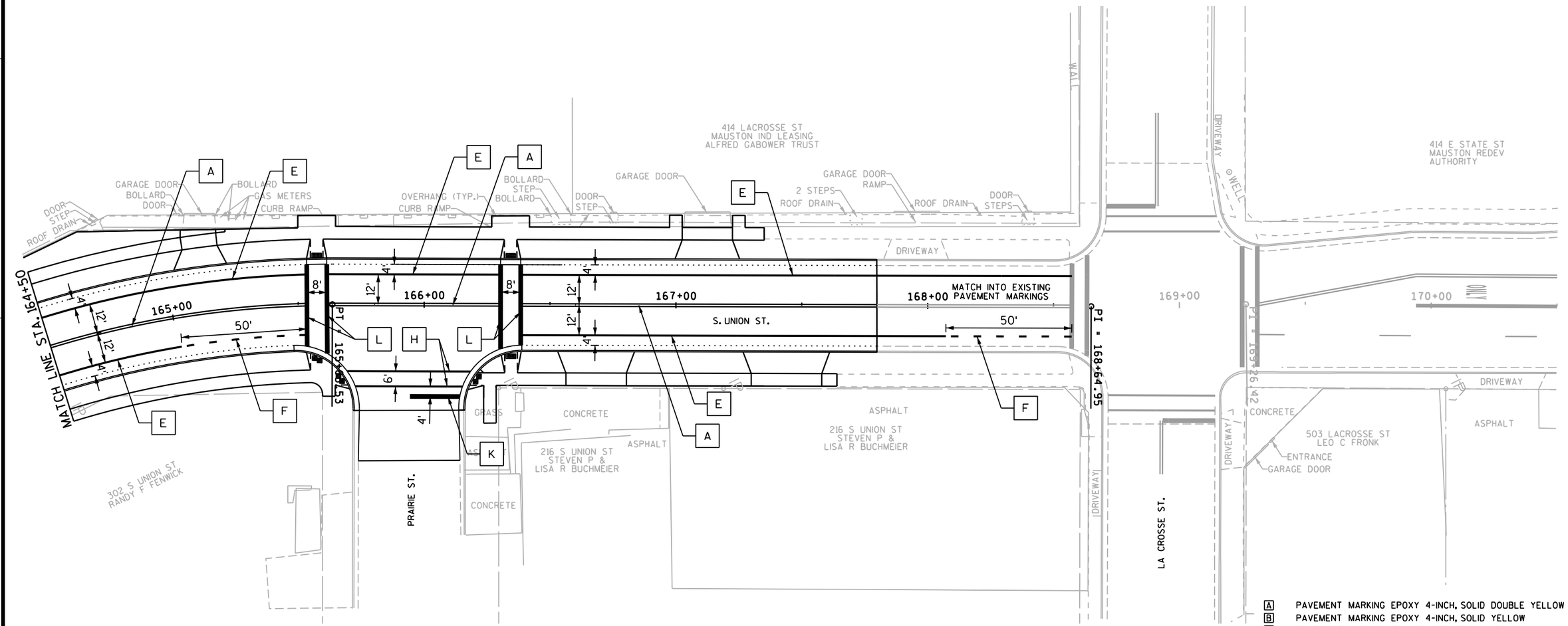
411 PRAIRIE ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

324 S UNION ST
MAUSTON IND LEASING
ALFRED GABOWER TRUST

A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
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O	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 94	E

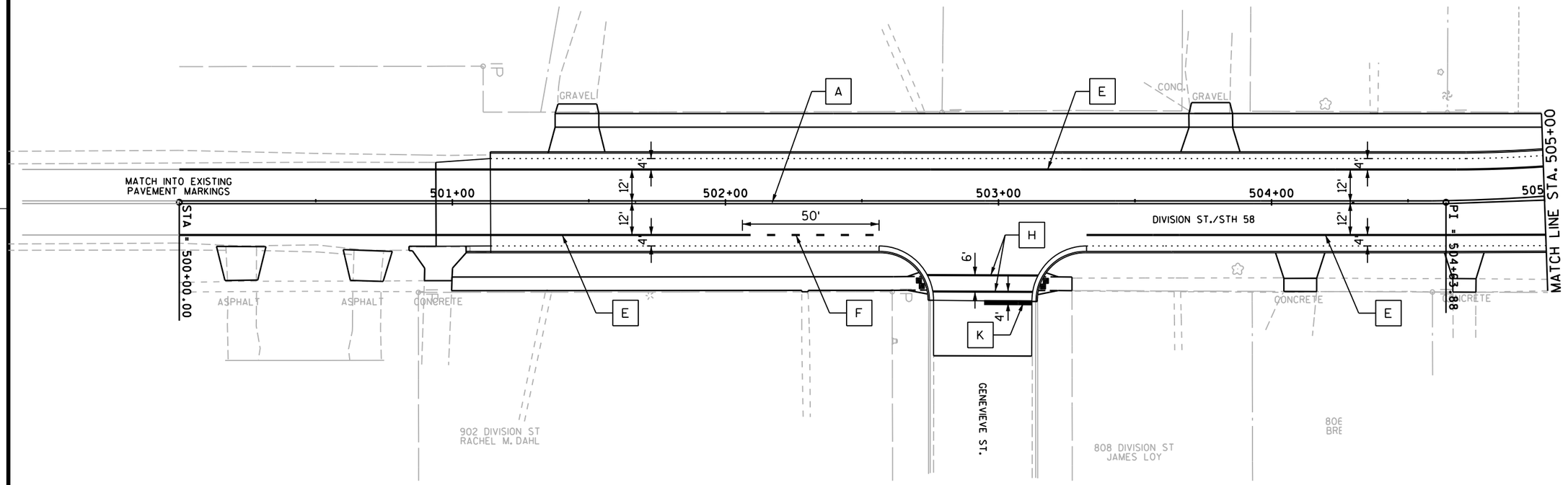
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B	PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 95	E

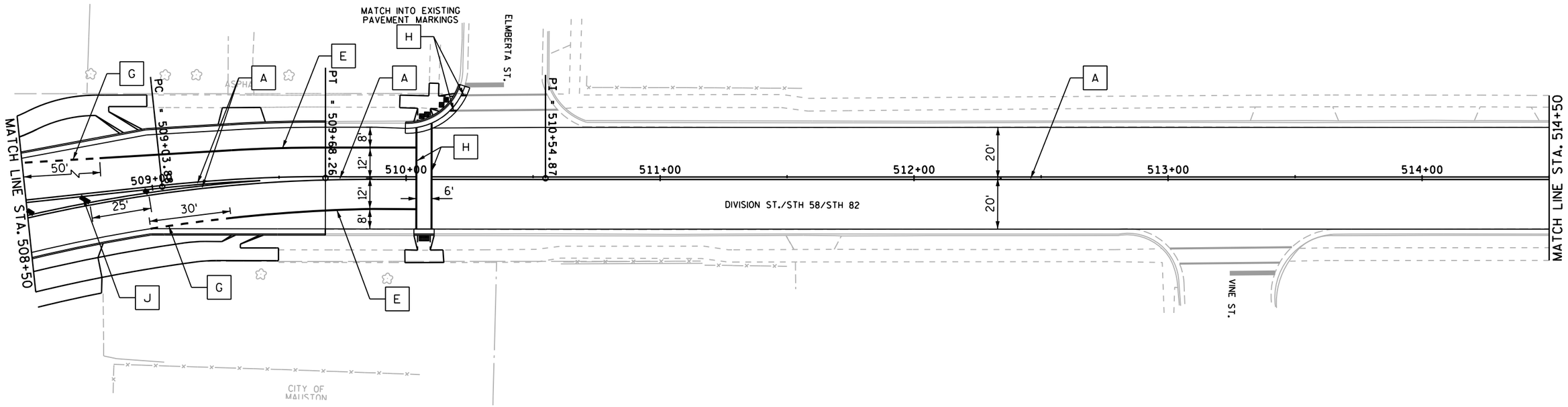
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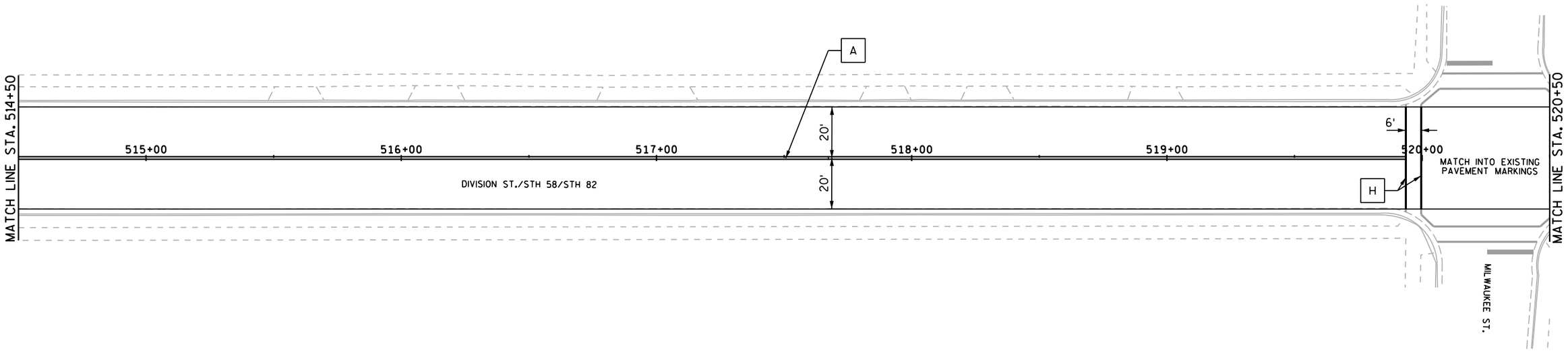
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 96	E

2



A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 4-INCH, SOLID YELLOW
C	PAVEMENT MARKING ISLAND NOSE EPOXY, YELLOW
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2

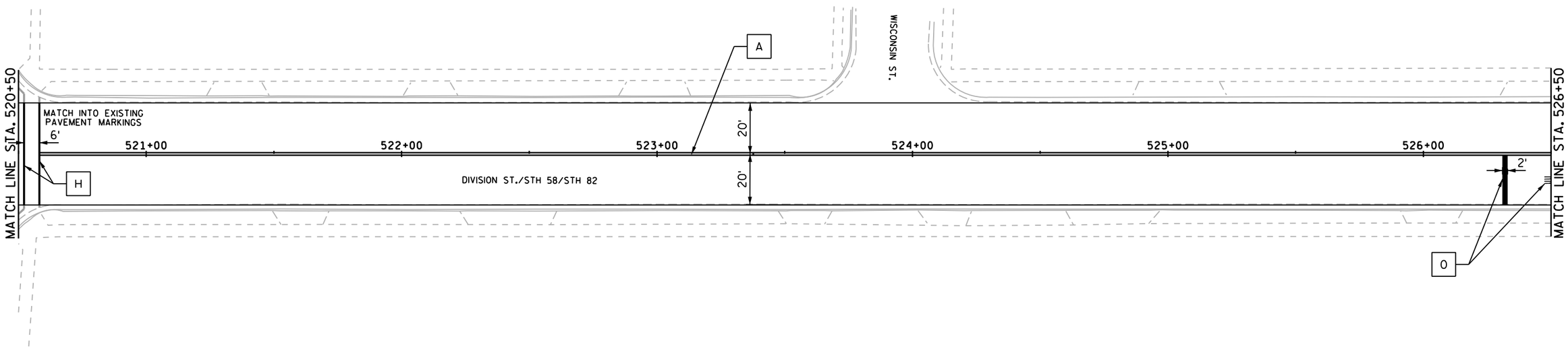


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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 98	E

2

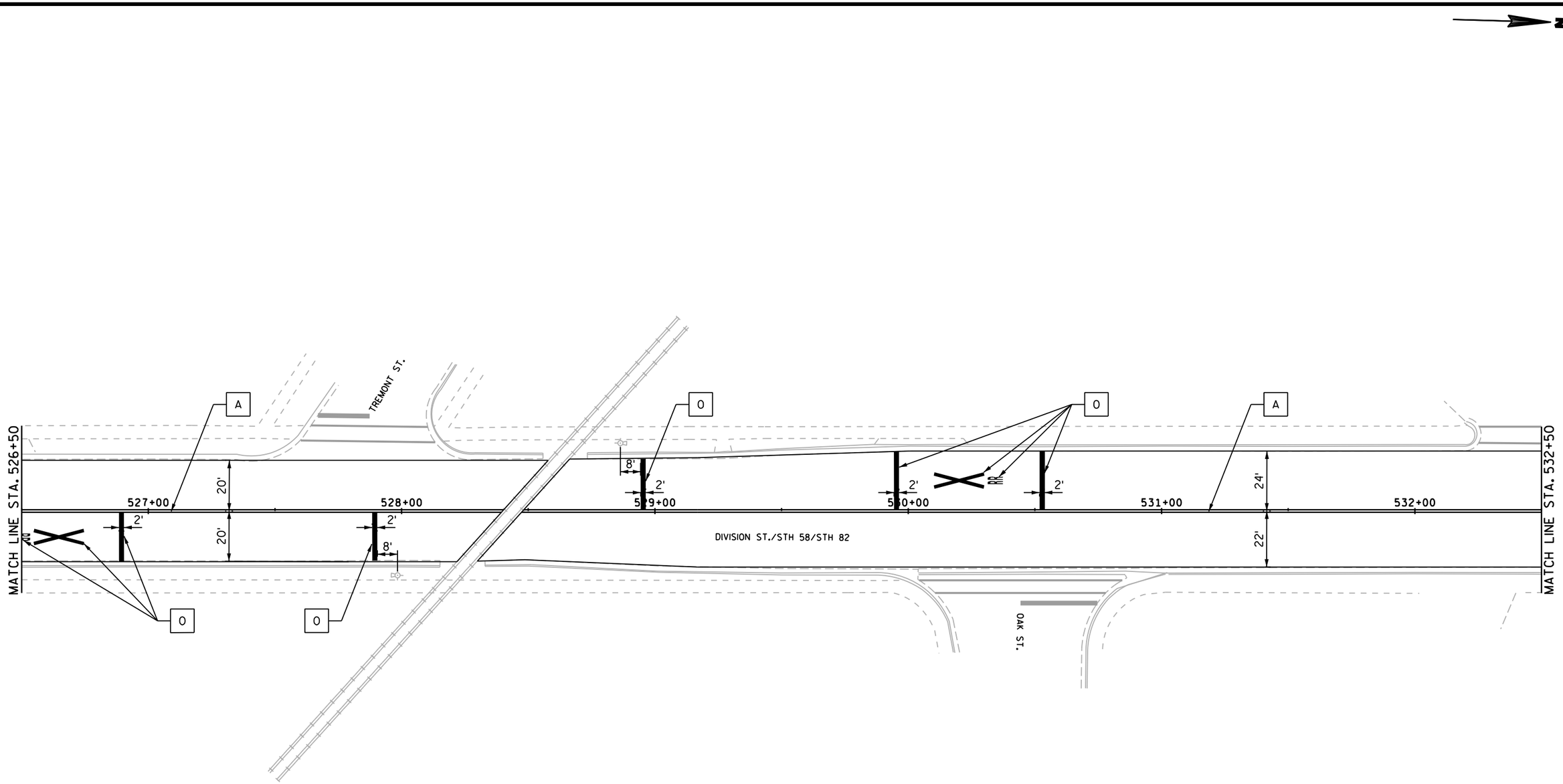
N



A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 99	E

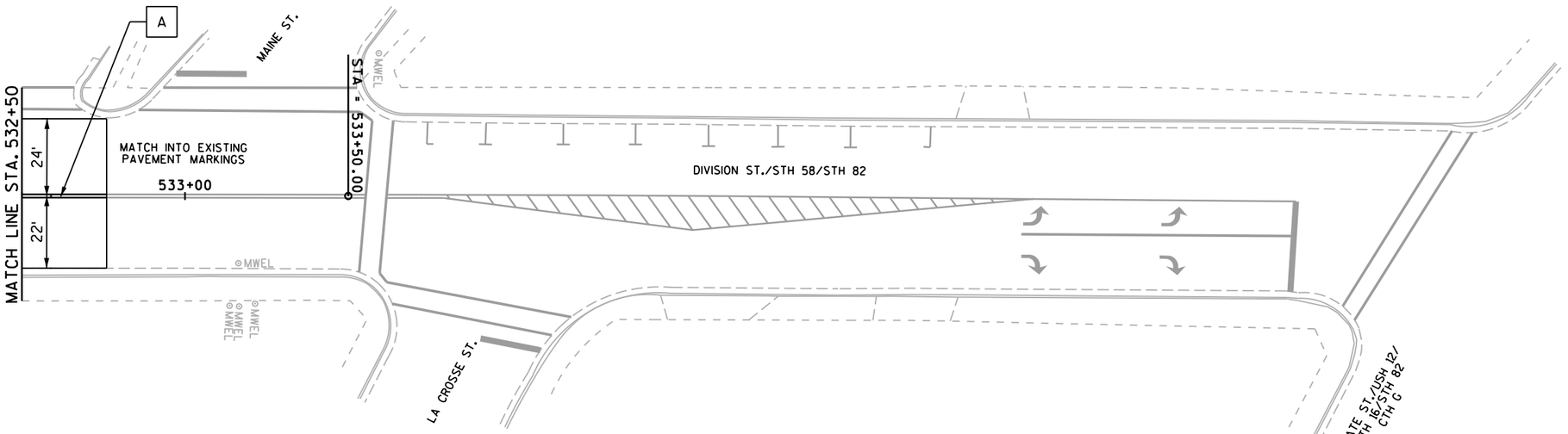
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 100	E

2



A	PAVEMENT MARKING EPOXY 4-INCH, SOLID DOUBLE YELLOW
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N	PAVEMENT MARKING WORDS EPOXY
O	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

2

GENERAL NOTES:

1. ALL FEEDER CONDUIT TO BE 2" SCH 40 PVC. ALL EXPOSED CONDUIT TO BE GALVANIZED RIGID STEEL.
2. COORDINATE AND FINALIZE LOCATIONS OF POWER PEDESTALS, POLE FIXTURES, AND PULL BOXES WITH ENGINEER ON SITE. VERIFY AND STAKE ALL LOCATIONS PRIOR TO INSTALLATION.
3. INSTALL POLE AND LUMINAIRE PER DOT AND SPECIAL PROVISION DETAILS. TYPE 5 POLES SHALL BE ALUMINUM.
4. INSTALL UNDERGROUND CONDUIT PER DIRECT BURIED UNDERGROUND CONDUIT DETAIL.
5. INSTALL FUSING IN POLE PER DOT DETAILS
6. GROUND ALL PULL BOXES FROM THE NEAREST LIGHT POLE USING #10 AWG XLP WIRE. THIS WIRE SHALL RUN FROM THE GROUNDING SYSTEM OF THE LIGHT POLE TO THE PULL BOX. SEE DRAWING AND PLAN NOTES.

PLAN NOTES: (X)

1. TYPICAL DISTRIBUTION PATTERN OF 0.5 FOOT CANDLES.

LEGEND

- PP — LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL (CONCRETE CONTROL CABINET BASE TYPE 6).
- SINGLE ARM POLE MOUNTED LUMINAIRE (TYPE 5 – ALUMINUM) AND CONCRETE BASE TYPE 5.
- DECORATIVE POLE AND LUMINAIRE ASSEMBLY. PROVIDE CONCRETE BASE TYPE 5.
- PULL BOX. 24"X42".
- ONE 2" CONDUIT RUN. SEE PLAN FOR LOCATION.
- PB-X-X — PB = PULL BOX DESIGNATION.
  - INDICATES EQUIPMENT NUMBER
  - INDICATES POWER PEDESTAL SERVICE NUMBER

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE / FIXTURE DISTRIBUTION — ARM LENGTH / BASE DESIGNATION / POWER PEDESTAL # / CIRCUIT # & POLE #

III-150-12-5-X-X-X

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE / FIXTURE DISTRIBUTION — SPECIAL PROVISION / POWER PEDESTAL # / CIRCUIT # & POLE #

Y-250-SP-X-X-X

STA. 509 + 27, 26 LT
III-150-12-5-1-1-9

STA. 508 + 20, 33 LT
III-150-12-5-1-1-7

PB-1-4
STA. 508 + 17, 34 LT

STA. 138 + 88, 69 LT
III-150-12-5-1-1-8

PB-1-3
STA. 508 + 32, 28 RT

STA. 507 + 70, 70 RT
III-150-12-5-1-1-6

PB-1-2
STA. 140 + 75, 26 LT

STA. 140 + 78, 41 LT
III-150-12-5-1-1-5

STA. 142 + 17, 23 LT
III-150-12-5-1-1-4

STA. 144 + 87, 23 LT
III-150-12-5-1-1-2

STA. 143 + 52, 23 LT
III-150-12-5-1-1-3

1 TYP.

PB-1-5
STA. 140 + 56, 45 RT

STA. 140 + 57, 60 RT
III-150-12-5-1-2-1

STA. 137 + 22, 25 RT
III-250-12-5-1-2-6

STA. 138 + 21, 33 RT
III-250-12-5-1-2-5

STA. 506 + 43, 70 LT
III-150-12-5-1-2-4

PB-1-7
STA. 505 + 64, 27 LT

STA. 505 + 65, 37 RT
III-150-12-5-1-2-2

PB-1-6
STA. 505 + 61, 37 RT

STA. 504 + 60, 25 RT
III-150-12-5-1-2-3

MATCH LINE STA. 508+50

MATCH LINE STA. 505+00

TO STA. 145 + 00

TO STA. 146 + 00

E. GRAYSIDE AVE.

600 DIVISION ST
MICHAEL STENGEL

AMERICAN ST/STH 58

137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00

500+00 505+00 507+00 508+00

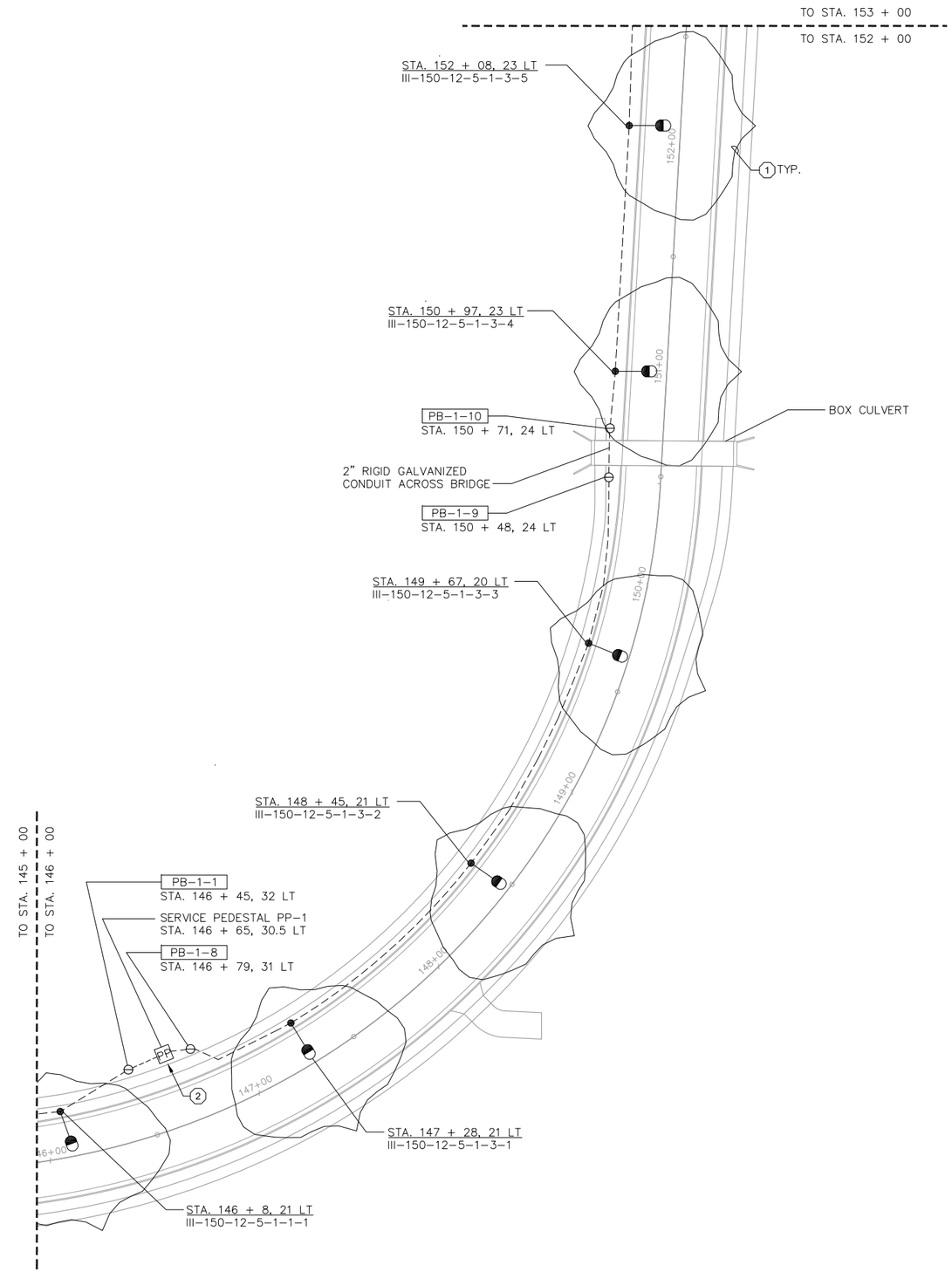
WISCONSIN
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SHEBOYGAN, WISCONSIN
PROFESSIONAL ENGINEER
7-20-12

KEYPLAN
NTS

N

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 102	E

FILE NAME : P:\2010 Projects\Mauston Redesignation Street Lighting 2010040\Muermann Drawings\Electrical\Redesignation Project 5020-05-71\ PLOT DATE : 7-20-12 PLOT BY : EJM PLOT NAME : PLOT SCALE : 1" = 30'-0"



LEGEND

- PP — LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL (CONCRETE CONTROL CABINET BASE TYPE 6).
- SINGLE ARM POLE MOUNTED LUMINAIRE (TYPE 5 – ALUMINUM) AND CONCRETE BASE TYPE 5.
- DECORATIVE POLE AND LUMINAIRE ASSEMBLY. PROVIDE CONCRETE BASE TYPE 5.
- PULL BOX. 24"X42".
- ONE 2" CONDUIT RUN. SEE PLAN FOR LOCATION.
- PB-X-X — PB = PULL BOX DESIGNATION.
  - INDICATES EQUIPMENT NUMBER
  - INDICATES POWER PEDESTAL SERVICE NUMBER

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
ARM LENGTH
BASE DESIGNATION
POWER PEDESTAL #
CIRCUIT # & POLE #

III-150-12-5-X-X-X

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
SPECIAL PROVISION
POWER PEDESTAL #
CIRCUIT # & POLE #

Y-250-SP-X-X-X

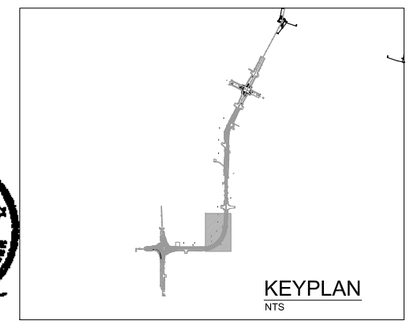
GENERAL NOTES:

1. ALL FEEDER CONDUIT TO BE 2" SCH 40 PVC. ALL EXPOSED CONDUIT TO BE GALVANIZED RIGID STEEL.
2. COORDINATE AND FINALIZE LOCATIONS OF POWER PEDESTALS, POLE FIXTURES, AND PULL BOXES WITH ENGINEER ON SITE. VERIFY AND STAKE ALL LOCATIONS PRIOR TO INSTALLATION.
3. INSTALL POLE AND LUMINAIRE PER DOT AND SPECIAL PROVISION DETAILS. TYPE 5 POLES SHALL BE ALUMINUM.
4. INSTALL UNDERGROUND CONDUIT PER DIRECT BURIED UNDERGROUND CONDUIT DETAIL.
5. INSTALL FUSING IN POLE PER DOT DETAILS
6. GROUND ALL PULL BOXES FROM THE NEAREST LIGHT POLE USING #10 AWG XLP WIRE. THIS WIRE SHALL RUN FROM THE GROUNDING SYSTEM OF THE LIGHT POLE TO THE PULL BOX. SEE DRAWING AND PLAN NOTES.

PLAN NOTES: (X)

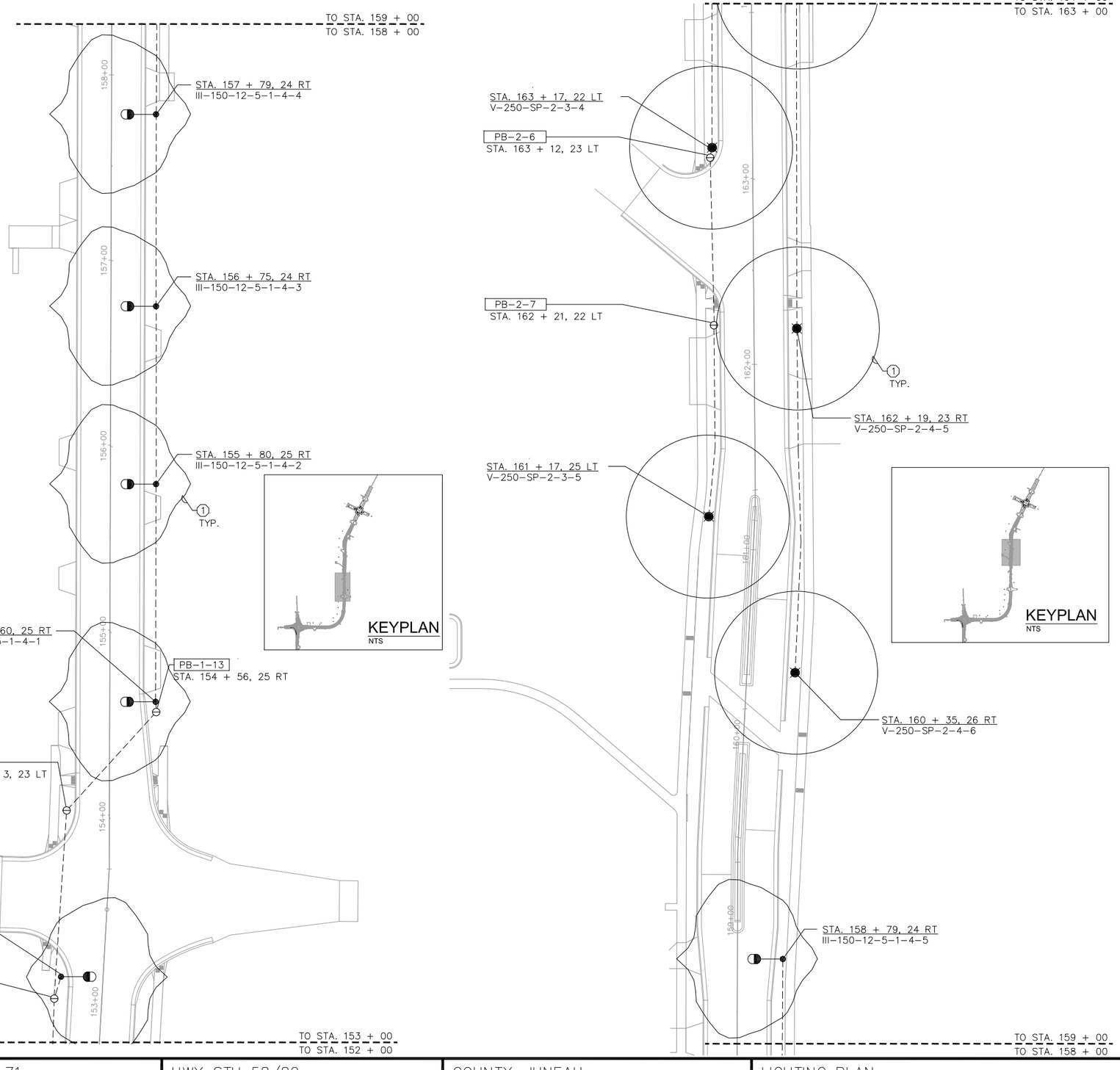
1. TYPICAL DISTRIBUTION PATTERN OF 0.5 FOOT CANDLES.
2. LOCATE BETWEEN FENCE AND SIDEWALK.

WISCONSIN
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E-31732
SHEBOYGAN, WISCONSIN
PROFESSIONAL ENGINEER
7-20-12



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 103	E

FILE NAME : P:\2010 Projects\Mauston Redesignation Street Lighting 2010040\Muermann Drawings\Electrical\Redesignation Project 5020-05-71\ PLOT DATE : 7-20-12 PLOT BY : EJM PLOT NAME : PLOT SCALE : 1" = 30'-0"



LEGEND

- PP — LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL (CONCRETE CONTROL CABINET BASE TYPE 6).
- SINGLE ARM POLE MOUNTED LUMINAIRE (TYPE 5 – ALUMINUM) AND CONCRETE BASE TYPE 5.
- DECORATIVE POLE AND LUMINAIRE ASSEMBLY. PROVIDE CONCRETE BASE TYPE 5.
- PULL BOX. 24"X42".
- ONE 2" CONDUIT RUN. SEE PLAN FOR LOCATION.
- PB-X-X — PB = PULL BOX DESIGNATION.
  - INDICATES EQUIPMENT NUMBER
  - INDICATES POWER PEDESTAL SERVICE NUMBER

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
ARM LENGTH
BASE DESIGNATION
POWER PEDESTAL #
CIRCUIT # & POLE #

III-150-12-5-X-X-X

LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
SPECIAL PROVISION
POWER PEDESTAL #
CIRCUIT # & POLE #

Y-250-SP-X-X-X

GENERAL NOTES:

1. ALL FEEDER CONDUIT TO BE 2" SCH 40 PVC. ALL EXPOSED CONDUIT TO BE GALVANIZED RIGID STEEL.
2. COORDINATE AND FINALIZE LOCATIONS OF POWER PEDESTALS, POLE FIXTURES, AND PULL BOXES WITH ENGINEER ON SITE. VERIFY AND STAKE ALL LOCATIONS PRIOR TO INSTALLATION.
3. INSTALL POLE AND LUMINAIRE PER DOT AND SPECIAL PROVISION DETAILS. TYPE 5 POLES SHALL BE ALUMINUM.
4. INSTALL UNDERGROUND CONDUIT PER DIRECT BURIED UNDERGROUND CONDUIT DETAIL.
5. INSTALL FUSING IN POLE PER DOT DETAILS
6. GROUND ALL PULL BOXES FROM THE NEAREST LIGHT POLE USING #10 AWG XLP WIRE. THIS WIRE SHALL RUN FROM THE GROUNDING SYSTEM OF THE LIGHT POLE TO THE PULL BOX. SEE DRAWING AND PLAN NOTES.

PLAN NOTES: (X)

1. TYPICAL DISTRIBUTION PATTERN OF 0.5 FOOT CANDLES.

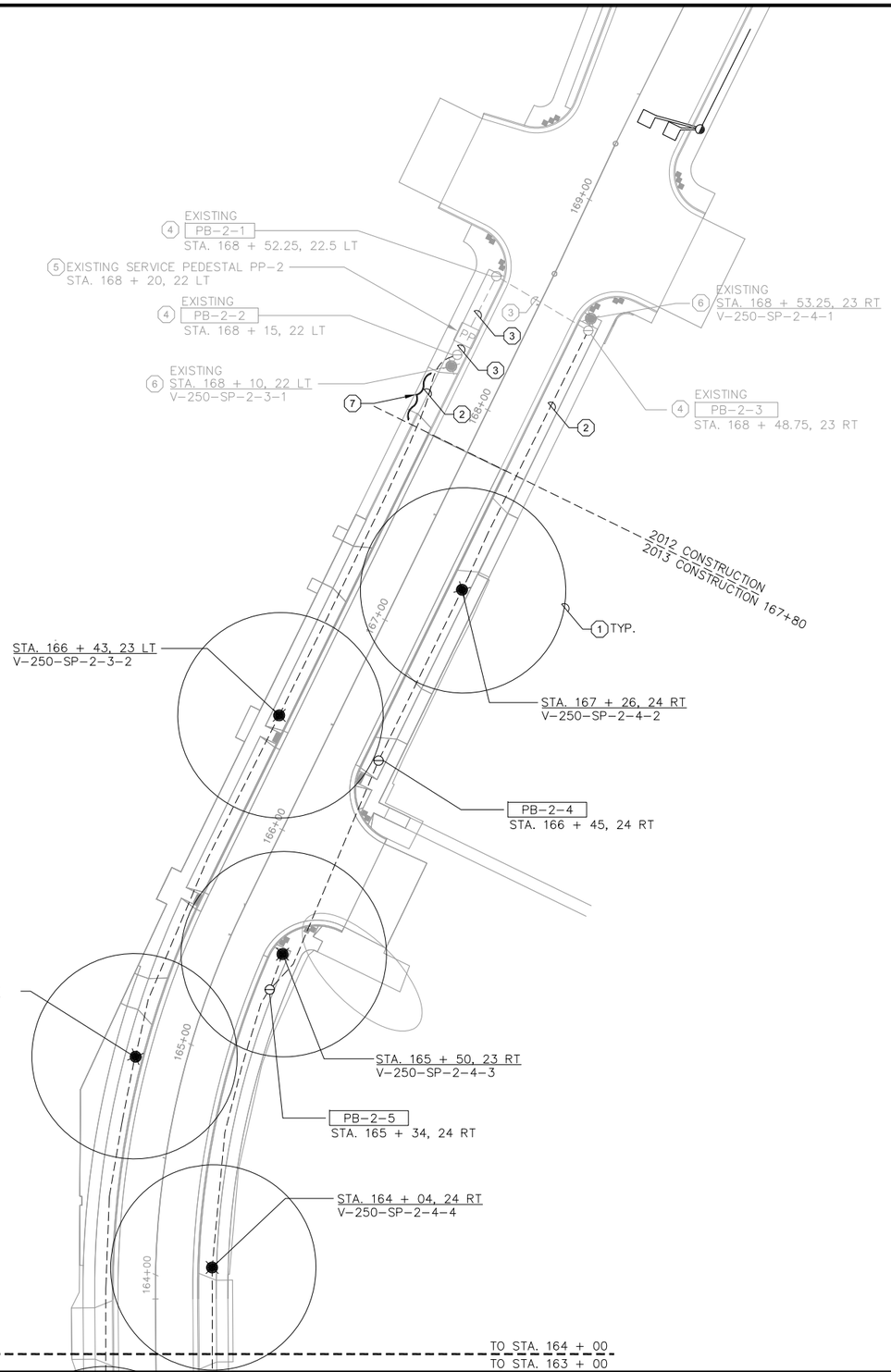
WISCONSIN
RUSSELL J. JENSEN
E-31722
SHEBOYGAN, WISCONSIN
PROFESSIONAL ENGINEER
7-20-12

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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 104	E

FILE NAME : P:\2010 Projects\Mauston Redesignation Street Lighting 2010040\Muermann Drawings\Electrical\Redesignation Project 5020-05-71\ PLOT DATE : 7-20-12 PLOT BY : EJM PLOT NAME : PLOT SCALE : 1" = 30'-0"

WISDOT/CADDS SHEET 3



LEGEND

- PP — LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL (CONCRETE CONTROL CABINET BASE TYPE 6).
- SINGLE ARM POLE MOUNTED LUMINAIRE (TYPE 5 – ALUMINUM) AND CONCRETE BASE TYPE 5.
- DECORATIVE POLE AND LUMINAIRE ASSEMBLY. PROVIDE CONCRETE BASE TYPE 5.
- PULL BOX. 24"X42".
- ONE 2" CONDUIT RUN. SEE PLAN FOR LOCATION.
- PB-X-X — PB = PULL BOX DESIGNATION.
  - INDICATES EQUIPMENT NUMBER
  - INDICATES POWER PEDESTAL SERVICE NUMBER
- LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
ARM LENGTH
BASE DESIGNATION
POWER PEDESTAL #
CIRCUIT # & POLE #

III-150-12-5-X-X-X

- LIGHTING FIXTURE DESIGNATION

LAMP WATTAGE
FIXTURE DISTRIBUTION
SPECIAL PROVISION
POWER PEDESTAL #
CIRCUIT # & POLE #

Y-250-SP-X-X-X

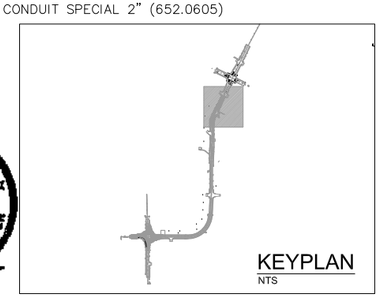
GENERAL NOTES:

1. ALL FEEDER CONDUIT TO BE 2" SCH 40 PVC. ALL EXPOSED CONDUIT TO BE GALVANIZED RIGID STEEL.
2. COORDINATE AND FINALIZE LOCATIONS OF POWER PEDESTALS, POLE FIXTURES, AND PULL BOXES WITH ENGINEER ON SITE. VERIFY AND STAKE ALL LOCATIONS PRIOR TO INSTALLATION.
3. INSTALL POLE AND LUMINAIRE PER DOT AND SPECIAL PROVISION DETAILS. TYPE 5 POLES SHALL BE ALUMINUM.
4. INSTALL UNDERGROUND CONDUIT PER DIRECT BURIED UNDERGROUND CONDUIT DETAIL.
5. INSTALL FUSING IN POLE PER DOT DETAILS
6. GROUND ALL PULL BOXES FROM THE NEAREST LIGHT POLE USING #10 AWG XLP WIRE. THIS WIRE SHALL RUN FROM THE GROUNDING SYSTEM OF THE LIGHT POLE TO THE PULL BOX. SEE DRAWING AND PLAN NOTES.

PLAN NOTES: ⓧ

1. TYPICAL DISTRIBUTION PATTERN OF 0.5 FOOT CANDLES.
2. ROUTE CONDUIT INTO EXISTING PULL BOX. INSTALL CONDUIT INTO EXISTING ITEM, ITEM 652.0700.S.01.
3. EXISTING UNDERGROUND 2" RACEWAY TO BE USED FOR NEW CIRCUITS.
4. EXISTING PULL BOX TO REMAIN AND BE USED TO TIE IN NEW CONDUITS AS SHOWN.
5. EXISTING SERVICE PEDESTAL CONNECT TO EXISTING CIRCUITS AS SHOWN ON ONE LINE.
6. EXISTING POLE TO REMAIN.
7. CONDUIT SPECIAL 2" (652.0605)

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7-20-12

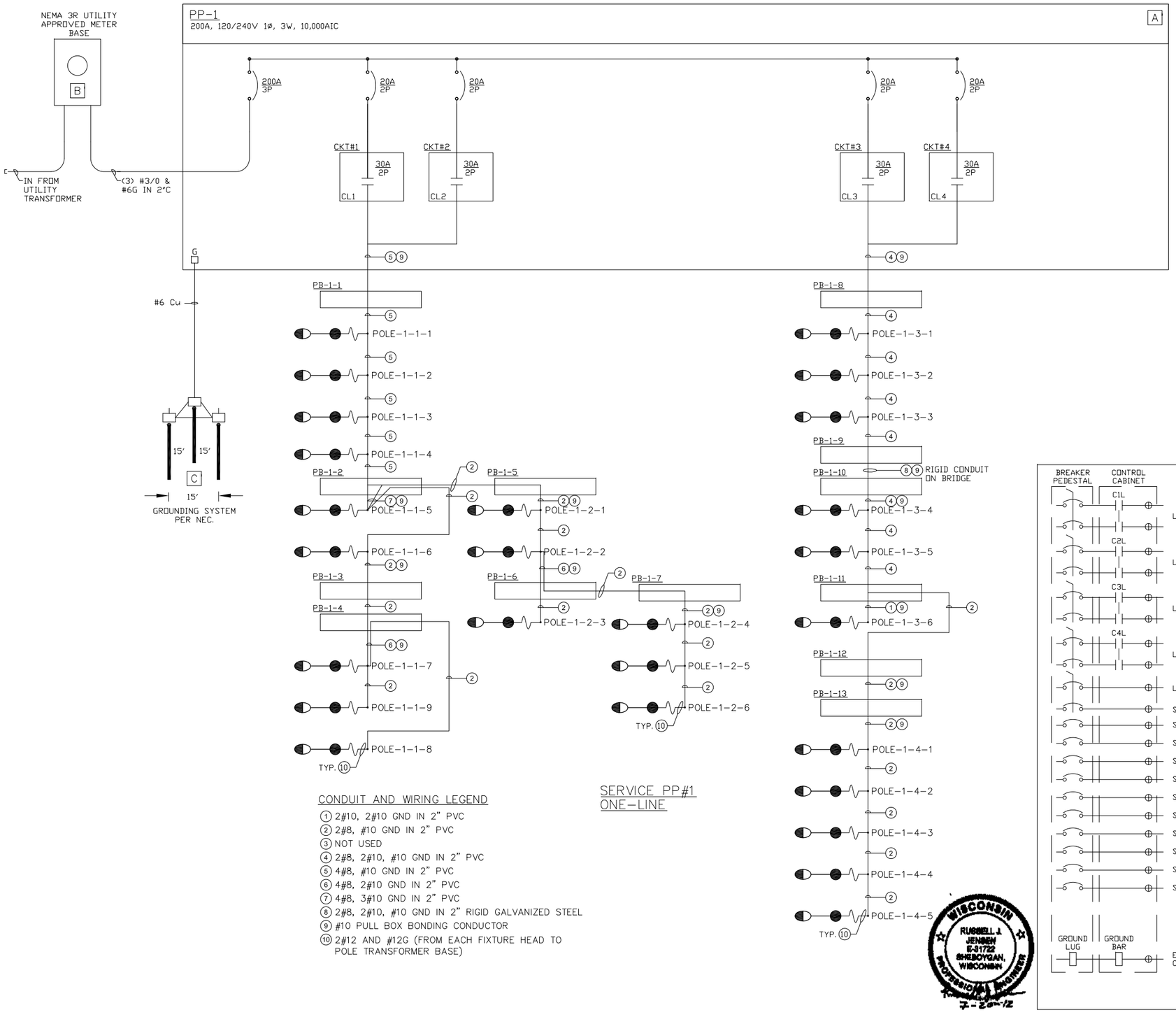


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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 105	E

FILE NAME : P:\2010 Projects\Mauston Redesignation Street Lighting 2010040\Muermann Drawings\Electrical\Redesignation Project 5020-05-71\ PLOT DATE : 7-20-12 PLOT BY : EJM PLOT NAME : PLOT SCALE : 1" = 30'-0"

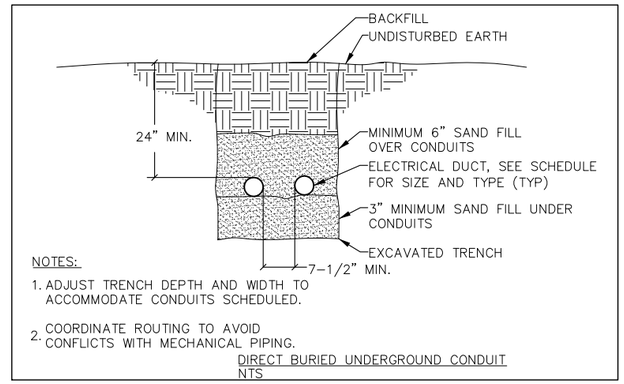
WISDOT/CADDS SHEET 4



SERVICE PP#1
ONE-LINE

CONDUIT AND WIRING LEGEND

1. 2#10, 2#10 GND IN 2" PVC
2. 2#8, #10 GND IN 2" PVC
3. NOT USED
4. 2#8, 2#10, #10 GND IN 2" PVC
5. 4#8, #10 GND IN 2" PVC
6. 4#8, 2#10 GND IN 2" PVC
7. 4#8, 3#10 GND IN 2" PVC
8. 2#8, 2#10, #10 GND IN 2" RIGID GALVANIZED STEEL
9. #10 PULL BOX BONDING CONDUCTOR
10. 2#12 AND #12G (FROM EACH FIXTURE HEAD TO POLE TRANSFORMER BASE)

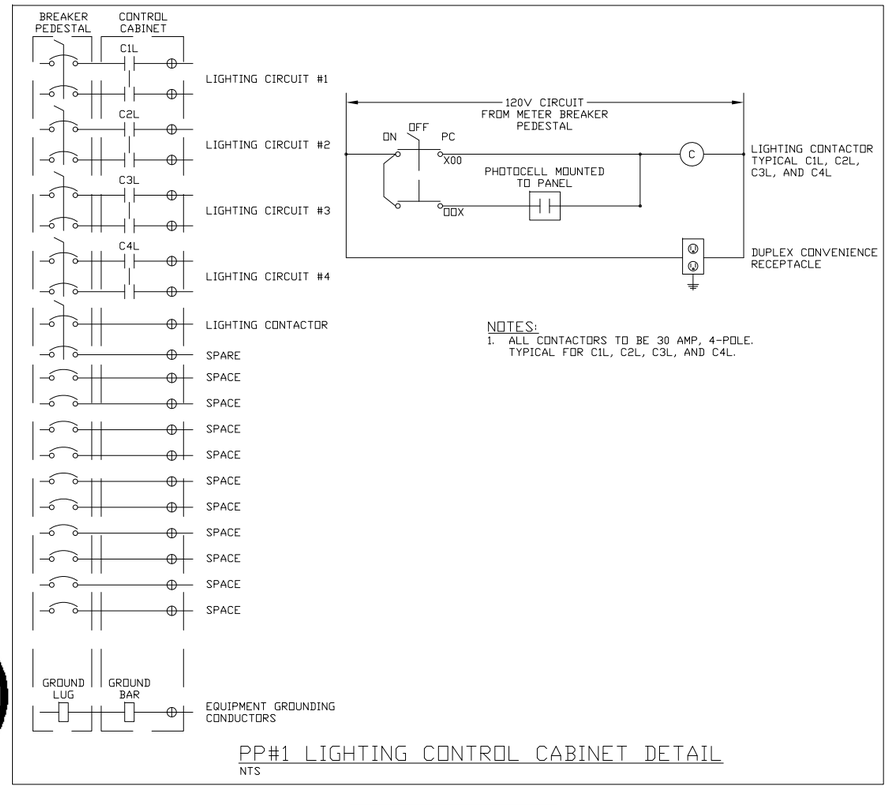


NOTES:
1. ADJUST TRENCH DEPTH AND WIDTH TO ACCOMMODATE CONDUITS SCHEDULED.
2. COORDINATE ROUTING TO AVOID CONFLICTS WITH MECHANICAL PIPING.

DIRECT BURIED UNDERGROUND CONDUIT
NTS

CONDUIT AND WIRING SYMBOLS

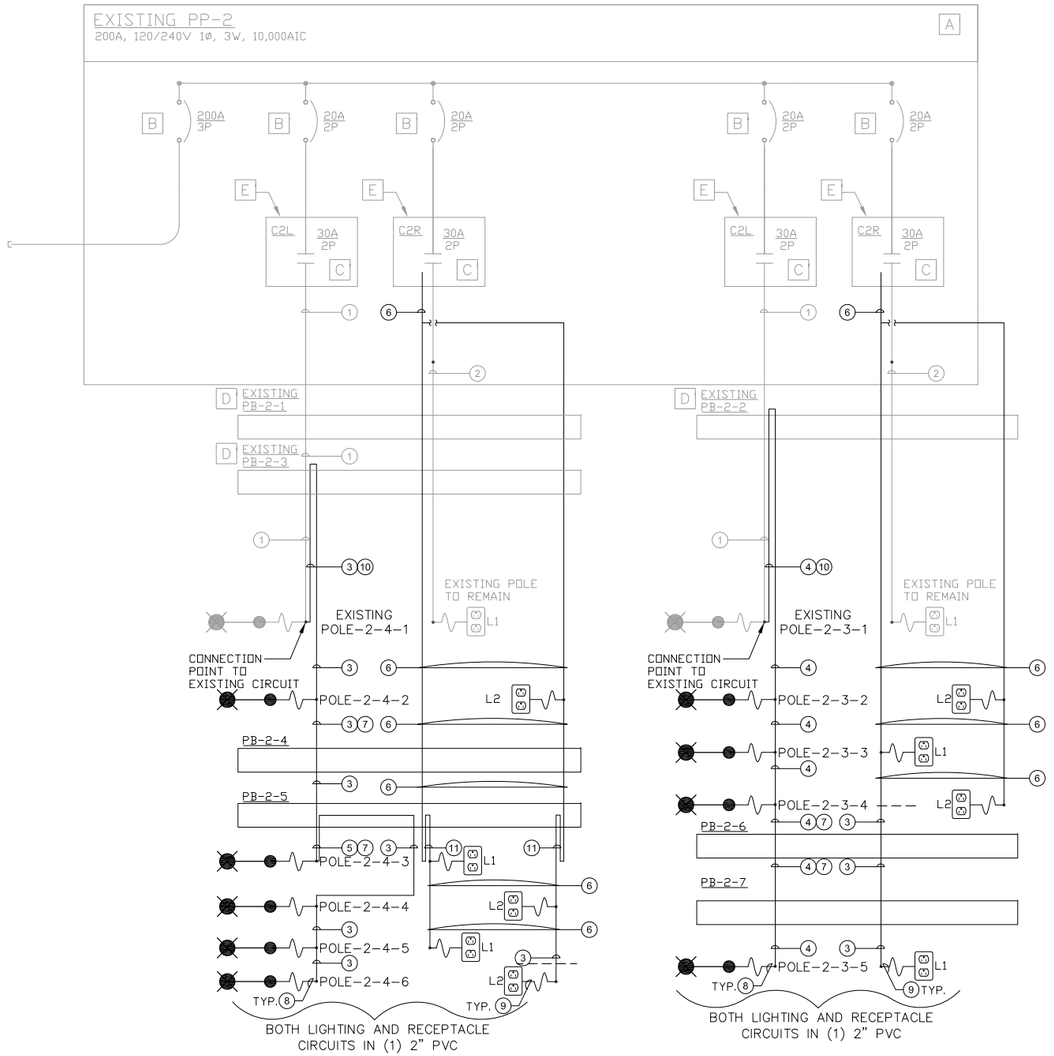
- A METER BREAKER PEDESTAL ELECTRIC SERVICE. 200A–120/240V SINGLE PHASE THREE WIRE WITH 4–20A/2P BREAKERS FOR LIGHTING CIRCUITS, CABINET, 1–20A/1P BREAKER FOR CONTROL CABINET AND 1–20A/1P BREAKER FOR SPARE. LIGHTING CONTROL CABINET IN ACCORDANCE WITH WIRING DIAGRAM.
- B UTILITY APPROVED METER PEDESTAL.
- C GROUNDING ELECTRODES.
- 150W HPS LUMINAIRE MOUNTED ON SINGLE MAST ARM LIGHT POLE.



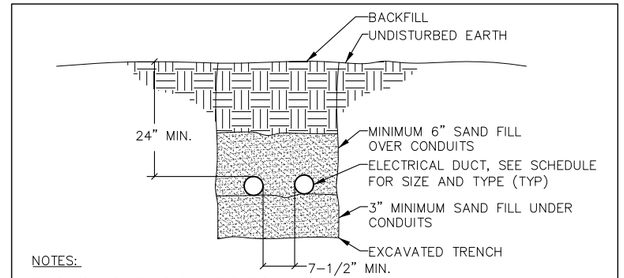
NOTES:
1. ALL CONTACTORS TO BE 30 AMP, 4-POLE. TYPICAL FOR C1L, C2L, C3L, AND C4L.

PP#1 LIGHTING CONTROL CABINET DETAIL
NTS

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PROFESSIONAL ENGINEER
7-20-12



SERVICE PP#2
ONE-LINE



NOTES:
1. ADJUST TRENCH DEPTH AND WIDTH TO ACCOMMODATE CONDUITS SCHEDULED.
2. COORDINATE ROUTING TO AVOID CONFLICTS WITH MECHANICAL PIPING.

DIRECT BURIED UNDERGROUND CONDUIT
NTS

CONDUIT AND WIRING SYMBOLS

- A EXISTING METER BREAKER PEDESTAL ELECTRIC SERVICE. 200A–120/240V SINGLE PHASE THREE WIRE.
- B EXISTING BREAKERS IN EXISTING PANEL.
- C EXISTING LIGHTING CONTACTORS IN EXISTING PEDESTAL.
- D EXISTING PULL BOX.
- E EXISTING CONTACTOR LABEL.
- 250W HPS LUMINAIRE MOUNTED ON SINGLE MAST ARM LIGHT POLE.
- LX 120V RECEPTACLE MOUNTED IN LIGHT POLE, LX = LEG 1 OR LEG 2 AS SHOWN OF 240V CIRCUIT.

CONDUIT AND WIRING LEGEND

1. EXISTING 2#8, #10 GND IN EXISTING 2" PVC
2. EXISTING 2#10, #10 GND IN EXISTING 2" PVC
3. 2#8, #10 GND
4. 2#10, #10 GND
5. 4#8, 2#10 GND
6. 3#8, #10 GND
7. #10 PULL BOX BONDING CONDUCTOR
8. 2#12 AND #12G (FROM EACH FIXTURE HEAD TO POLE BASE)
9. 2#12 AND #12G (FROM EACH RECEPTACLE TO BASE)
10. ROUTE IN EXISTING 2" C
11. 6#8, 2#10 GND (L1 & L2)



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	DETAILS	SHEET 107	E

2

N

(A) DETOUR EAST 82 ←

(B) DETOUR EAST 82 →

(C) DETOUR EAST 82 ↰

(D) DETOUR EAST 82 ↱

(E) DETOUR WEST 82 ←

(F) DETOUR WEST 82 →

(G) DETOUR WEST 82 ↰

(H) DETOUR WEST 82 ↱

(I) DETOUR AHEAD EAST 82

(J) DETOUR AHEAD WEST 82

(K) DETOUR EAST 82 ↑

(L) DETOUR WEST 82 ↑

(M) END DETOUR EAST 82

(N) END DETOUR WEST 82

(O) DETOUR EAST 82

(P) DETOUR WEST 82

(ON BARRICADE) (Q) DETOUR ←

(ON BARRICADE) (R) ROAD CLOSED AT DIVISION ST

36" X 48"
TRAFFIC CONTROL SIGN
FIXED MESSAGE 12sf

NORTH ROAD
FAIRWAY ST
ENSCH ST
PARKER DR
VETERANS DR
SULDAL ROAD
MARTIN ST
STATE ST
HALL ST
GROVE ST
TREMONT ST
MAINE ST
HANOVER ST
ELM ST
OAK ST
HICKORY ST
PINE ST
WASHINGTON ST
MONROE ST
UNION ST
LINCOLN ST
DECORAH LAKE
MANSION ST
LA CROSSE ST
PRAIRIE ST
WISCONSIN ST
MILWAUKEE ST
ATTEWELL ST
MAPLE DR
DIVISION ST
VINE ST
ELMBERTA ST
GRAYSIDE AVE

500'

SEE "TRAFFIC CONTROL OVERVIEW" FOR ROAD CLOSURE DETAILS

ADJUST DETOUR SIGNS AT GRAYSIDE & DIVISION AS NECCESSARY DURING STAGING.

XX ROAD CLOSED TO TRAFFIC

DETOUR AREA

ROAD CLOSED

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGES 1A - 3 DETOUR PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Traffic Control Attewell.dgn 2/5/2013 9:22:05 AM bhuibregtse

LOCATION TO BE DETERMINED BY THE ENGINEER

ROAD CLOSED AHEAD W20-3

ROAD CLOSED 1000 FT W20-1*

ROAD CLOSED 500 FT W20-1*

ROAD CLOSED R11-2 48" X 30"*

500'

500'

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

ELM ST

END ROAD WORK G20-2A 48" X 24"

MAPLE DR

82

PCMS (SUPPLIED BY OTHERS)

ELMBERTA ST

* TRAFFIC CONTROL SIGNS TO BE ADJUSTED TO CORRESPOND TO THE BEGINNING OF THE GRAYSIDE AVE CLOSURE.

SEE "CONSTRUCTION STAGING PLANS" FOR DETAILS

ACCESS TO LIONS PARK VIA VINE ST 60" X 30" TRAFFIC CONTROL SIGN FIXED MESSAGE 12.5sf

DIVISION ST

505+00

58

510+00

PCMS (SUPPLIED BY OTHERS)

140+00

GENEVIEVE ST

ROAD CLOSED AHEAD W20-3

ROAD WORK AHEAD W20-1

HICKORY ST

ROAD CLOSED R11-2 48" X 30"

GRAYSIDE AVE

145+00

HAGEMAN CT

ROAD CLOSED AHEAD W20-3

VINE ST

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

PINE ST

LIONS MEMORIAL PARK

ROAD CLOSED AHEAD W20-3

ROAD CLOSED R11-2 48" X 30"

150+00

155+00

160+00

UNION ST

ROAD CLOSED R11-2 48" X 30"

VINE ST

MILWAUKEE ST

500'

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED 500 FT W20-1

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

TOWNLINE RD

ROAD CLOSED AHEAD W20-3

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

ROAD CLOSED AHEAD W20-3

MAUGHS ST

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

CPR RAILROAD (SOO)

LEMONWEIR ST

LEMONWEIR ST

MILWAUKEE ST

WISCONSIN ST

TREMONT ST

ELM ST

MAINE ST

DIVISION ST

58 82

OAK ST

HICKORY ST

ROAD CLOSED AHEAD W20-3

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

WASHINGTON ST

PRAIRIE ST

PINE ST

ROAD CLOSED AHEAD W20-3

UNION ST 24" X 36" TRAFFIC CONTROL SIGN FIXED MESSAGE 6sf

STATE ST

MANSION ST

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

WO1-7 48" X 24"

END ROAD WORK G20-2A 48" X 24"

END ROAD WORK G20-2A 48" X 24"

ROAD CLOSED R11-2 48" X 30"

SIDEWALK CLOSED R9-9 24" X 12"

SIDEWALK CLOSED R9-9 24" X 12"

END ROAD WORK G20-2A 48" X 24"

PRAIRIE ST

500'

PCMS (SUPPLIED BY OTHERS)

LA CROSSE ST

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED 500 FT W20-1

UNION ST

12 16

ROAD CLOSED AHEAD W20-3

UNION ST 24" X 36" TRAFFIC CONTROL SIGN FIXED MESSAGE 6sf

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

MILL ST

ROAD CLOSED AHEAD W20-3

WATER ST

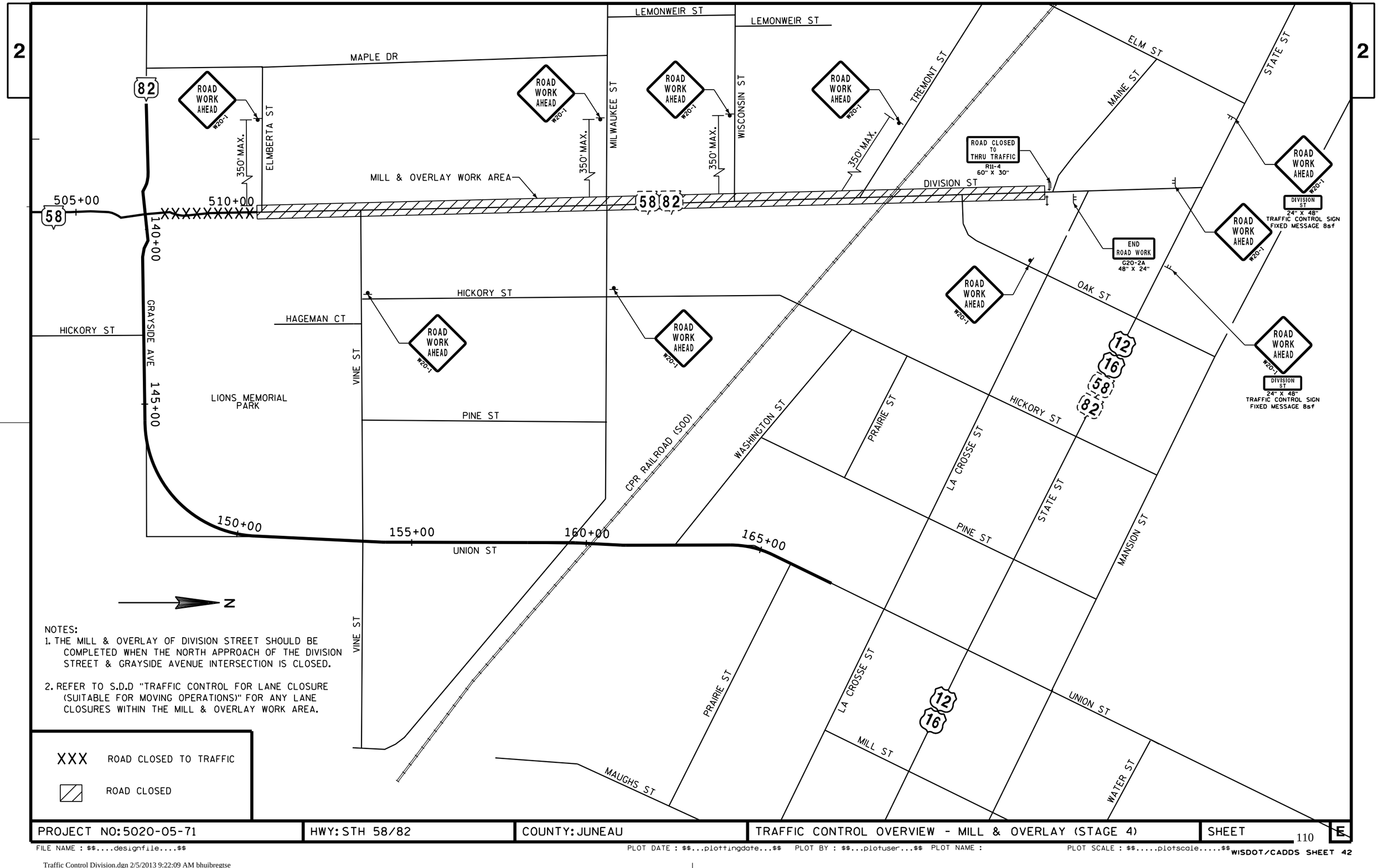
12 16 58 82

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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL OVERVIEW (STAGES 1A - 3)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Traffic Control Main.dgn 2/5/2013 9:22:07 AM bhuibregtse



NOTES:
1. THE MILL & OVERLAY OF DIVISION STREET SHOULD BE COMPLETED WHEN THE NORTH APPROACH OF THE DIVISION STREET & GRAYSIDE AVENUE INTERSECTION IS CLOSED.

2. REFER TO S.D.D "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR ANY LANE CLOSURES WITHIN THE MILL & OVERLAY WORK AREA.

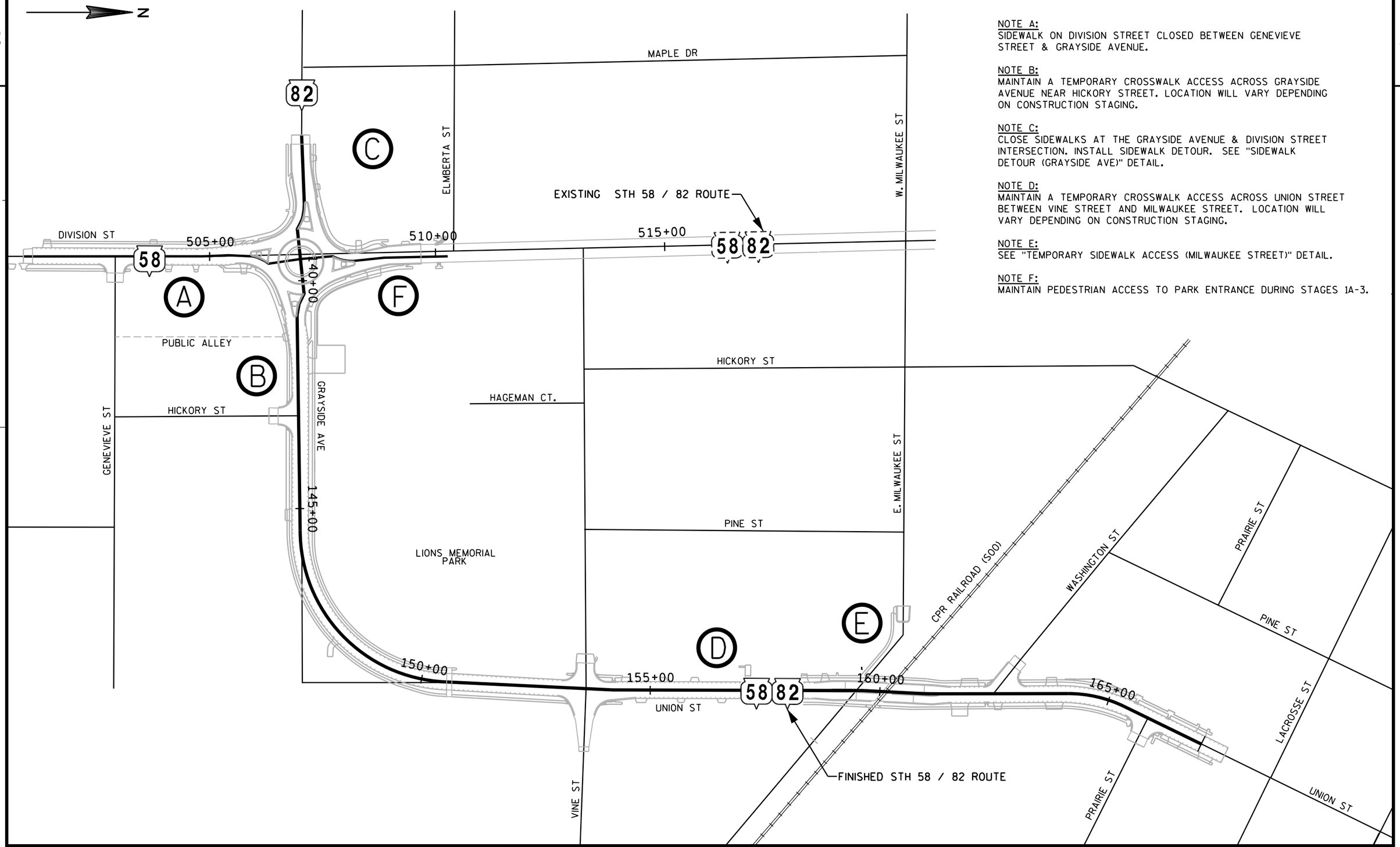
XXX ROAD CLOSED TO TRAFFIC

ROAD CLOSED

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL OVERVIEW - MILL & OVERLAY (STAGE 4)	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Traffic Control Division.dgn 2/5/2013 9:22:09 AM bhuibregtse



NOTE A:
SIDEWALK ON DIVISION STREET CLOSED BETWEEN GENEVIEVE STREET & GRAYSIDE AVENUE.

NOTE B:
MAINTAIN A TEMPORARY CROSSWALK ACCESS ACROSS GRAYSIDE AVENUE NEAR HICKORY STREET. LOCATION WILL VARY DEPENDING ON CONSTRUCTION STAGING.

NOTE C:
CLOSE SIDEWALKS AT THE GRAYSIDE AVENUE & DIVISION STREET INTERSECTION. INSTALL SIDEWALK DETOUR. SEE "SIDEWALK DETOUR (GRAYSIDE AVE)" DETAIL.

NOTE D:
MAINTAIN A TEMPORARY CROSSWALK ACCESS ACROSS UNION STREET BETWEEN VINE STREET AND MILWAUKEE STREET. LOCATION WILL VARY DEPENDING ON CONSTRUCTION STAGING.

NOTE E:
SEE "TEMPORARY SIDEWALK ACCESS (MILWAUKEE STREET)" DETAIL.

NOTE F:
MAINTAIN PEDESTRIAN ACCESS TO PARK ENTRANCE DURING STAGES 1A-3.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL SIDEWALK OVERVIEW	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

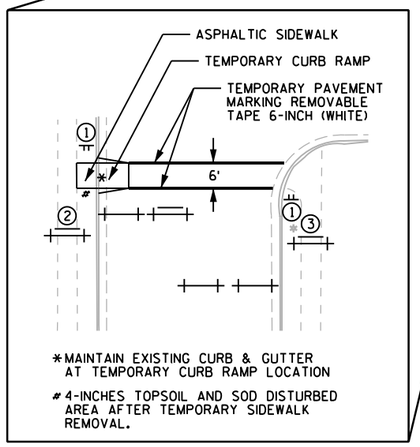
Traffic Control Overview Sidewalk.dgn 2/5/2013 9:22:12 AM bhuibregtse

N

① W11-2 30" X 30" WITH FLAGS; W16-7L 24" X 12"
② SIDEWALK CLOSED USE OTHER SIDE R9-10 24" X 12"
③ DETOUR M4-9R 30" X 24"; SIDEWALK CLOSED R9-9 24" X 12"
④ DETOUR M4-9R 30" X 24"
⑤ DETOUR M4-9R 30" X 24"
⑥ DETOUR M4-9R 30" X 24"; SIDEWALK CLOSED R9-9 24" X 12"
⑦ SIDEWALK CLOSED R9-9 24" X 12"

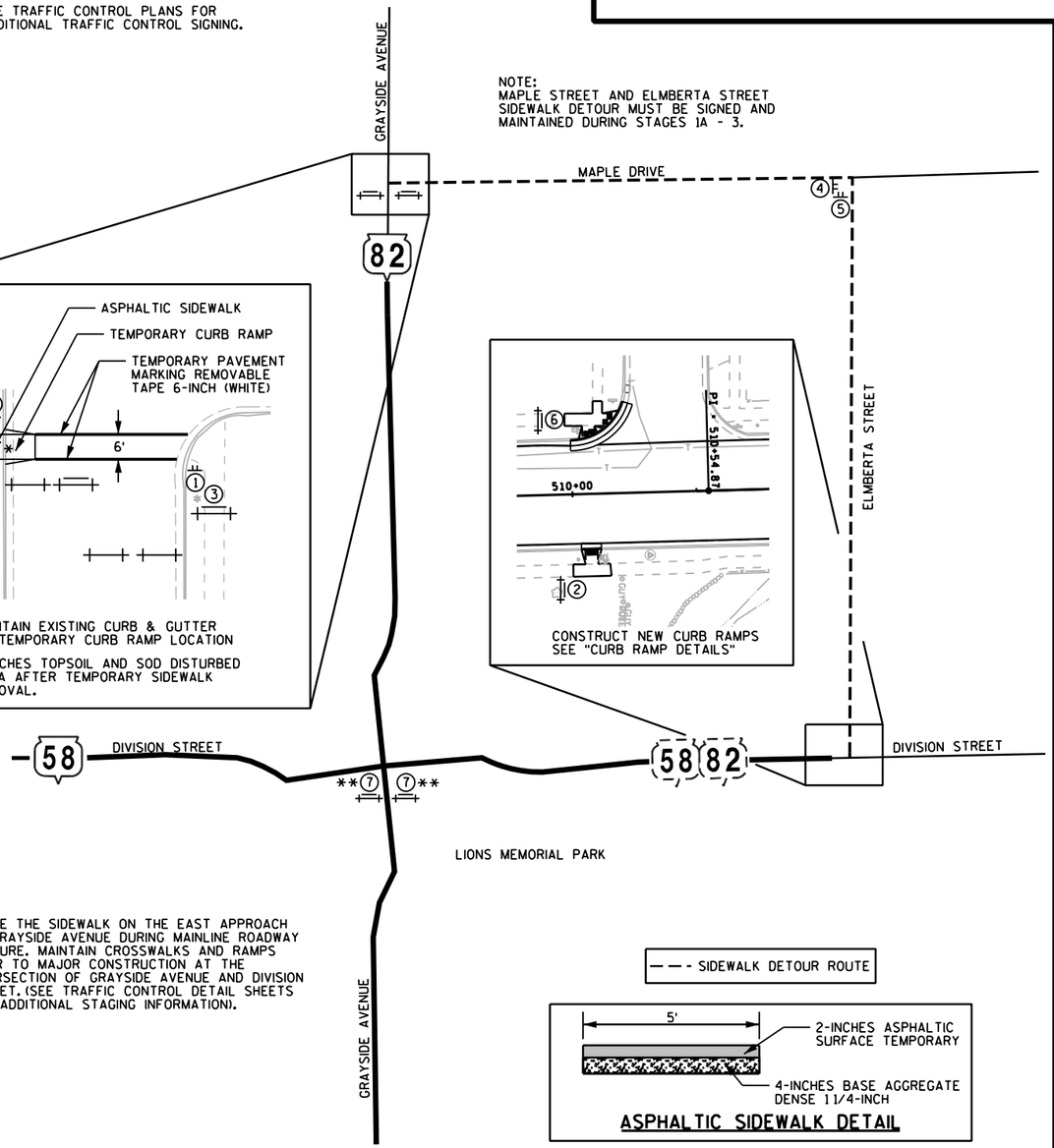
SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL TRAFFIC CONTROL SIGNING.

NOTE:
MAPLE STREET AND ELMBERTA STREET SIDEWALK DETOUR MUST BE SIGNED AND MAINTAINED DURING STAGES 1A - 3.



*MAINTAIN EXISTING CURB & GUTTER AT TEMPORARY CURB RAMP LOCATION

#4-INCHES TOPSOIL AND SOD DISTURBED AREA AFTER TEMPORARY SIDEWALK REMOVAL.

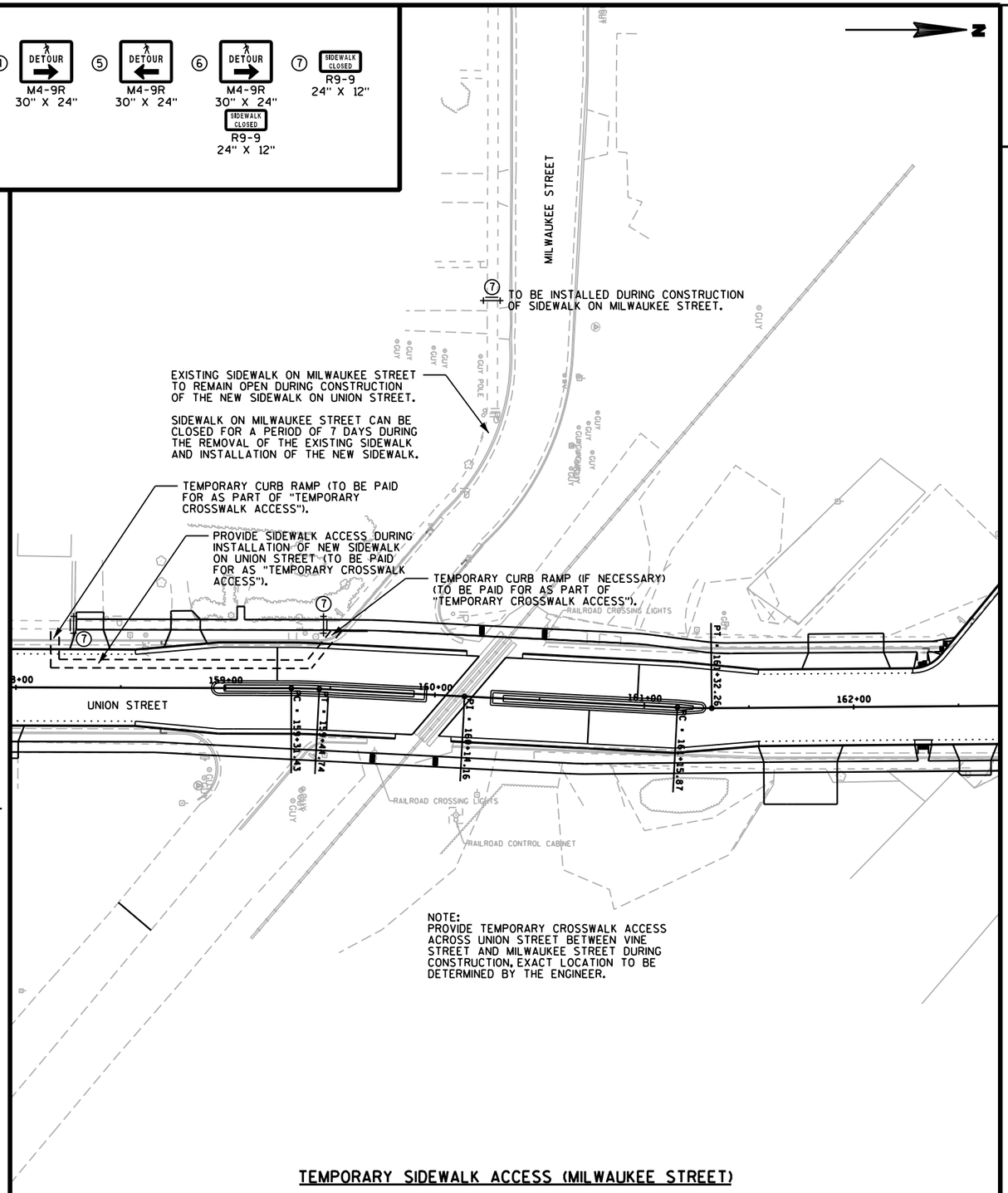


**CLOSE THE SIDEWALK ON THE EAST APPROACH OF GRAYSIDE AVENUE DURING MAINLINE ROADWAY CLOSURE. MAINTAIN CROSSWALKS AND RAMPS PRIOR TO MAJOR CONSTRUCTION AT THE INTERSECTION OF GRAYSIDE AVENUE AND DIVISION STREET. (SEE TRAFFIC CONTROL DETAIL SHEETS FOR ADDITIONAL STAGING INFORMATION).

— — — SIDEWALK DETOUR ROUTE

ASPHALTIC SIDEWALK DETAIL

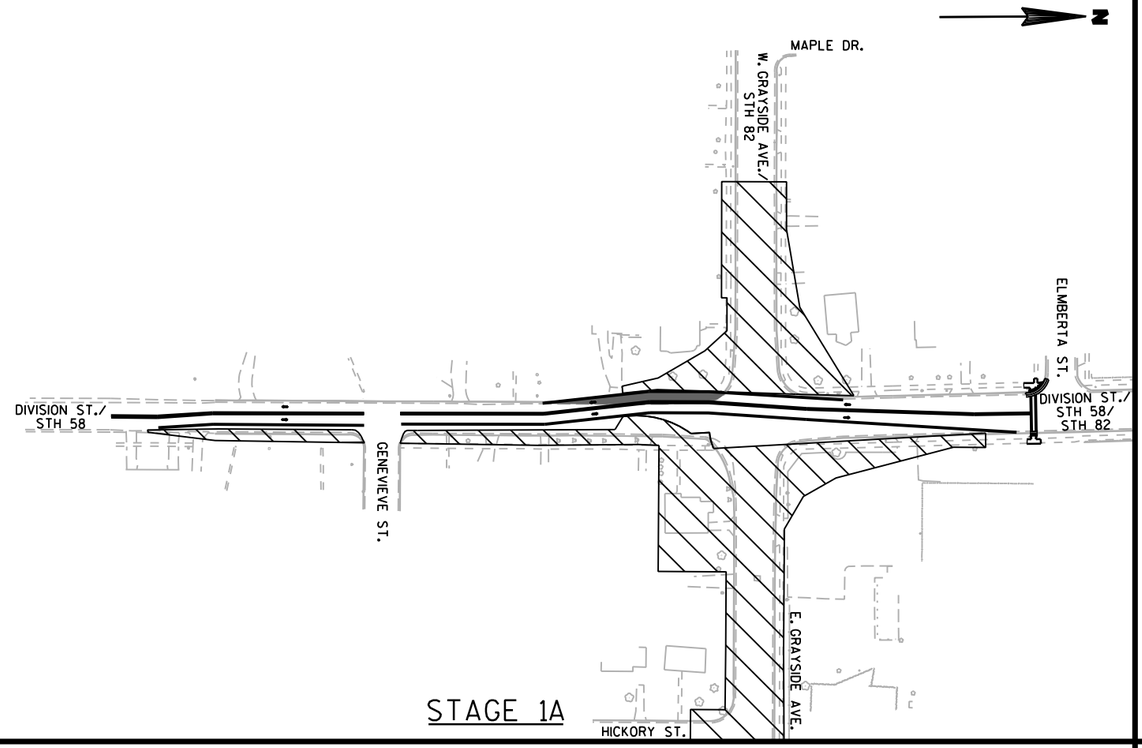
SIDEWALK DETOUR (GRAYSIDE AVENUE)
STAGE 1A - STAGE 3



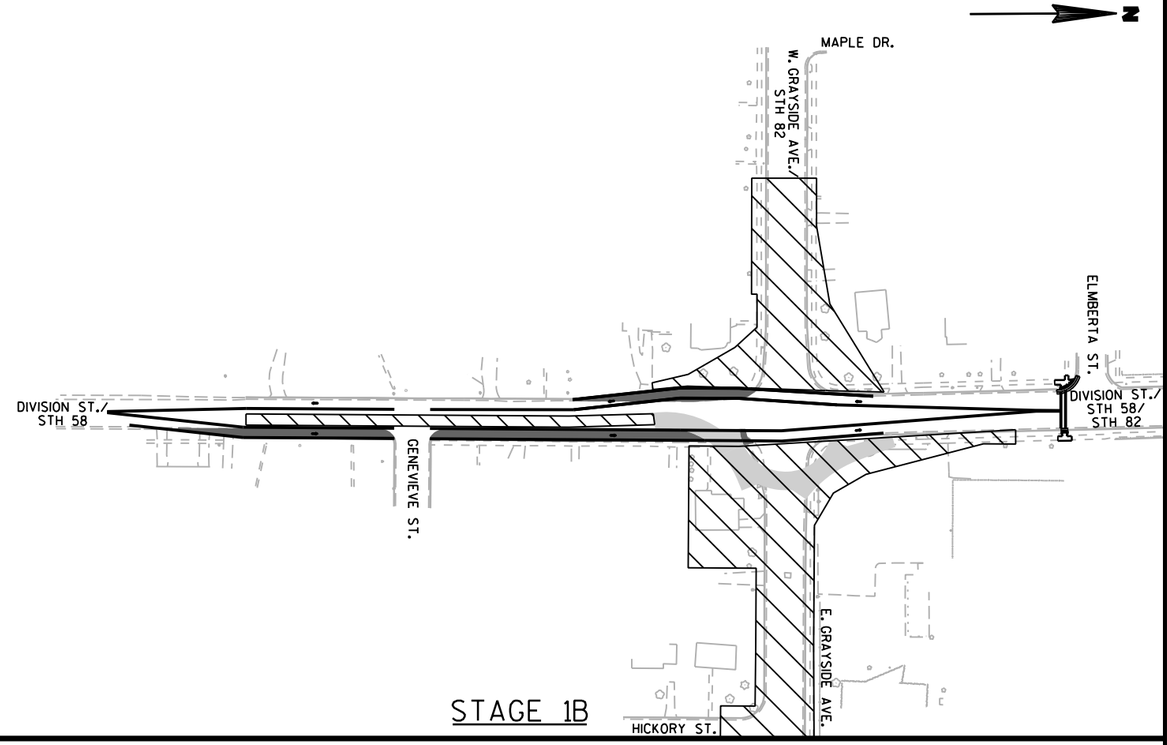
NOTE:
PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS UNION STREET BETWEEN VINE STREET AND MILWAUKEE STREET DURING CONSTRUCTION. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER.

TEMPORARY SIDEWALK ACCESS (MILWAUKEE STREET)

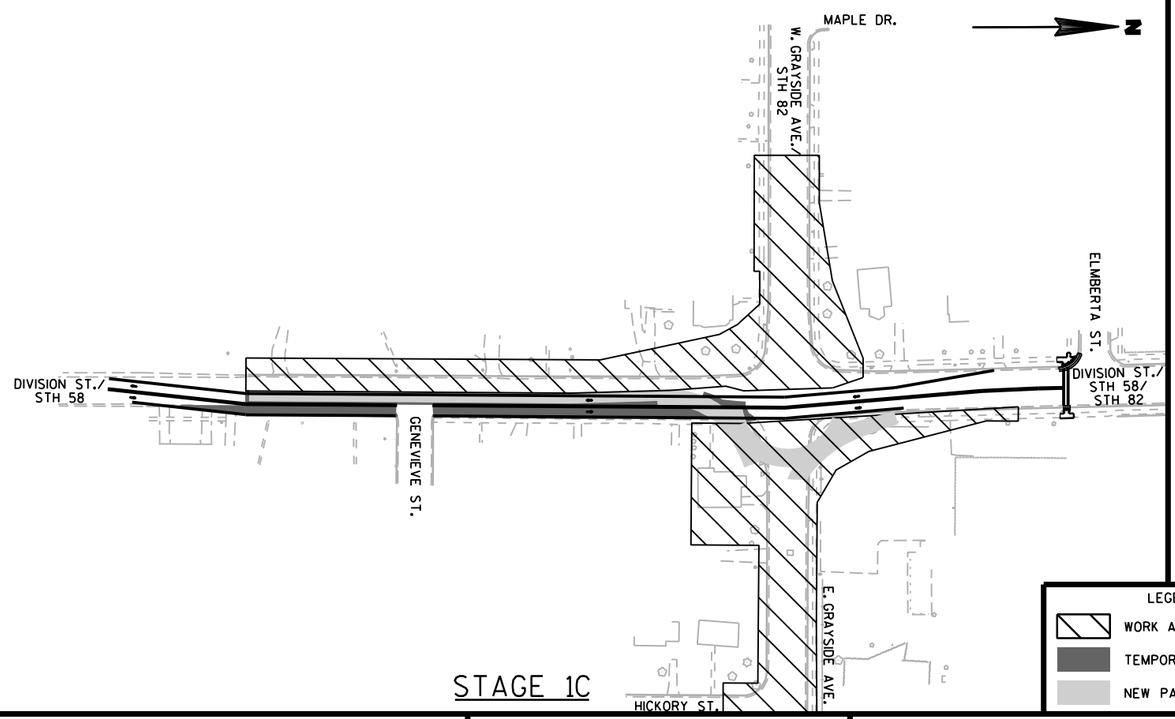
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TEMPORARY SIDEWALK DETAILS	SHEET 112	E



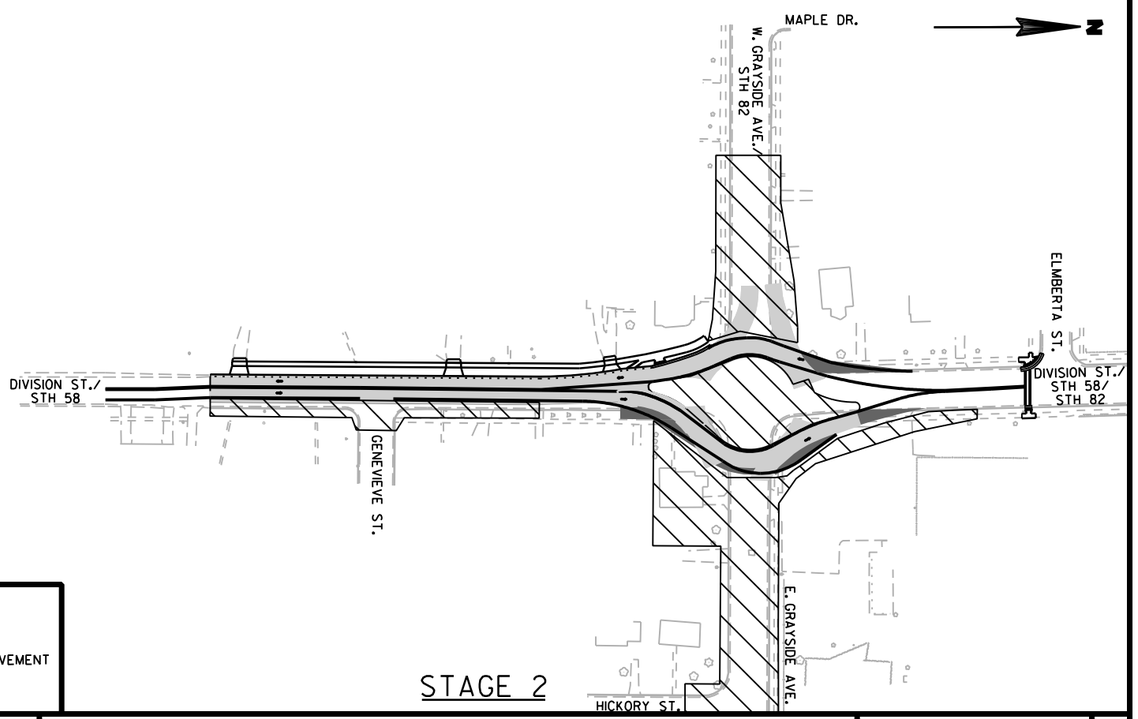
STAGE 1A



STAGE 1B



STAGE 1C



STAGE 2

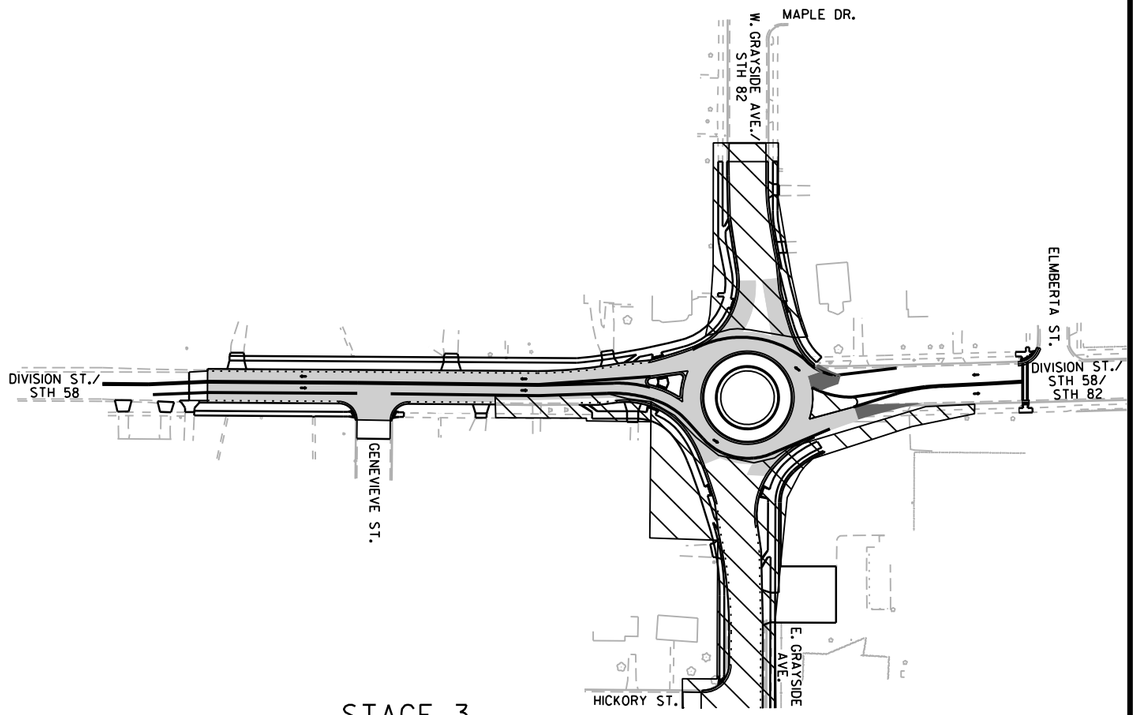
LEGEND
- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL STAGING OVERVIEW (SHEET 1 OF 2)	SHEET E

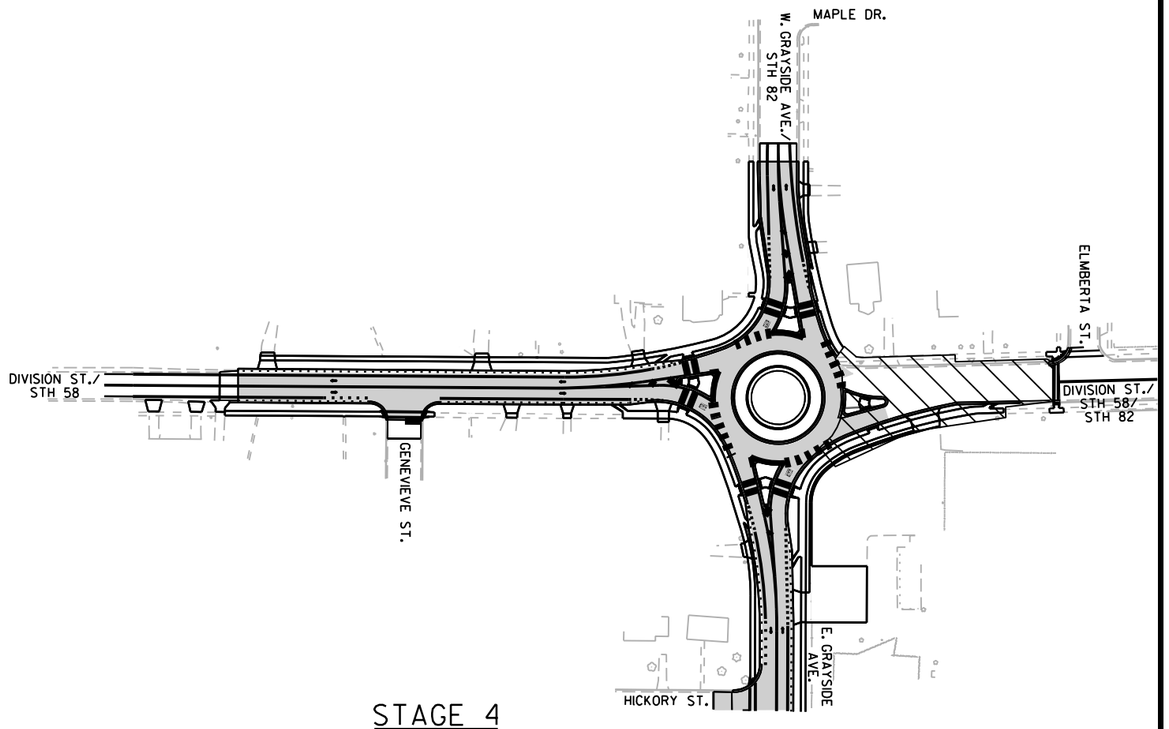
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Traffic Control Overview.dgn 2/5/2013 9:22:18 AM bhuibregtse

2



STAGE 3



STAGE 4

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL STAGING OVERVIEW (SHEET 2 OF 2)	SHEET 114	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Traffic Control Overview_02.dgn 2/5/2013 9:22:21 AM bhuibregtse

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N

(A)

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

MAX. 10' WIDTH W12-52

XX MILES AHEAD
W057-52
36" X 24"

500' 500'

BEGINNING OF WORKZONE

ROAD WORK AHEAD W20-1

ROAD WORK 500 FT W20-1

NOTE: FLAGGING WILL BE REQUIRED DURING ANY CONSTRUCTION OPERATIONS THAT RESTRICT THE WIDTH OF TRAVEL LANES. MAINTAIN LANE WIDTH AS SHOWN DURING NON WORKING HOURS.

END ROAD WORK
G20-2A
48" X 24"

MATCH INTO EXISTING PAVEMENT MARKINGS

BUFFER: 50'

SHIFTING TAPER: 60'

25' TYP.

50' TYP.

REMOVE EXISTING PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (DOUBLE YELLOW)

STA 500+00.00

501+00

502+00

503+00

504+00

505+00

STA 504+75.22 LT (BEGIN TEMPORARY PAVEMENT)

SHIFTING TAPER: 115'

DIVISION STREET

11'

11'

PI - 504+63.88

MATCH LINE STA. 505+50

SPEED LIMIT 25
R2-1
24" X 30"

W01-6
48" X 24"

PLACE TEMPORARY PAVEMENT FOR STAGE 1B

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE)

LANE CLOSED
R11-2(MOD)
48" X 30"

GENEVIEVE STREET

SIDEWALK CLOSED
R9-9
24" X 12"

INSTALL SAFETY FENCE

PROPOSED LOCATION OF TEMPORARY MAILBOX INSTALLATION

ASPHALT

CONCRETE

GRAVEL

4"HP

GUY

TLE

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT

EXISTING ℄

32'

0.5'

11.0' TRAVEL LANE

11.0' TRAVEL LANE

CONSTRUCTION ZONE

SAFETY FENCE

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES

TRAFFIC CONTROL DRUMS

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (DOUBLE YELLOW)

TYPICAL SECTION STH 58 (DIVISION STREET) - SOUTH OF GRAYSIDE AVENUE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1A	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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MAINTAIN ACCESS TO DRIVEWAYS AT STA. 137+96, LT AND STA. 137+37, LT. FROM GRAYSIDE AVENUE

MATCH TEMPORARY ASPHALTIC CURB TO EXISTING CURB & GUTTER

REMOVE EXISTING CROSSWALK PAVEMENT MARKINGS

INSTALL TEMPORARY COVER PLATE OVER STORM SEWER INLET

INSTALL TEMPORARY ASPHALTIC CURB (PAID AS BID ITEM "TEMPORARY PAVEMENT")

TEMPORARY PAVEMENT (4-INCHES TEMPORARY PAVEMENT OVER 12-INCHES OF BASE AGGREGATE DENSE) TO BE INSTALLED PRIOR TO START OF STAGE 1A.

STA. 505+81, 28' LT

ROAD CLOSED
R11-2
48" X 30"

NO TURNS
R3-3
24" X 24"

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE)

REMOVE EXISTING PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (DOUBLE YELLOW)

SPACE TUBULAR MARKERS AND DRUMS TO ALLOW ACCESS INTO LIONS PARK

NOTE: FLAGGING WILL BE REQUIRED DURING ANY CONSTRUCTION OPERATIONS THAT RESTRICT THE WIDTH OF TRAVEL LANES. MAINTAIN LANE WIDTH AS SHOWN DURING NON WORKING HOURS.

B

500' 500'

BEGINNING OF WORKZONE

ROAD WORK 500 FT
W20-1

ROAD WORK AHEAD
W20-1

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

ELMBERTA STREET

MATCH LINE STA. 505+50

138+00 139+00 140+00 141+00

506+00 507+00 508+00 509+00 510+00 511+00

14' 11' 11'

50' TYP.

25' TYP.

25' TYP.

A A

TLE

GRASS

ASPHALT

GRAVEL

CONCRETE

MATCH INTO EXISTING PAVEMENT MARKINGS

PAVEMENT MARKING CROSSWALK PAINT 12-INCH

NOTE: CURB RAMPS, CURB & GUTTER AND CROSSWALK TO BE INSTALLED PRIOR TO START OF STAGE 1A

DIVISION STREET

B C C

INSTALL SAFETY FENCE

SIDEWALK CLOSED
R9-9
24" X 12"

INSTALL STORM SEWER PRIOR TO STAGE 1B CONSTRUCTION.
INSTALL TEMPORARY INLET CASTING (TYPE S) AND INLET PROTECTION TYPE C

MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO LIONS PARK AT ALL TIMES.

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE)

REMOVE EXISTING CROSSWALK PAVEMENT MARKINGS

END ROAD WORK
G20-2A
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

GRAYSIDE AVENUE

SECTION A-A

VARIES (14.0' TYP.)

1.0% MIN.

EXISTING PAVEMENT AND BASE TO REMAIN

REMOVE EXISTING CURB & GUTTER AND MATCH INTO EXISTING PAVEMENT

4-INCHES TEMPORARY PAVEMENT OVER 12-INCHES OF BASE AGGREGATE DENSE (PAID AS BID ITEM "TEMPORARY PAVEMENT")

ASPHALTIC CURB (PAID AS BID ITEM "TEMPORARY PAVEMENT")

C

W11-2
30" X 30"
WITH FLAGS
W16-7R
24" X 12"

W11-2
30" X 30"
WITH FLAGS
W16-7L
24" X 12"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1A	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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N

(A)

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

MAX. 10' WIDTH W12-52

XX MILES AHEAD
W057-52
36" X 24"

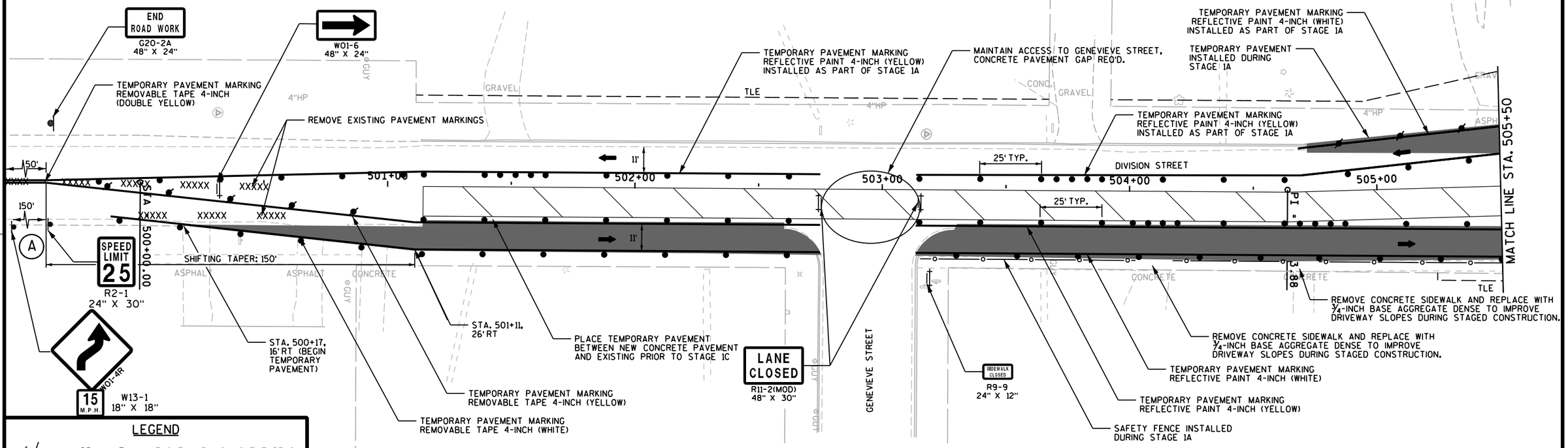
500' 500'

BEGINNING OF WORKZONE

ROAD WORK AHEAD W20-1

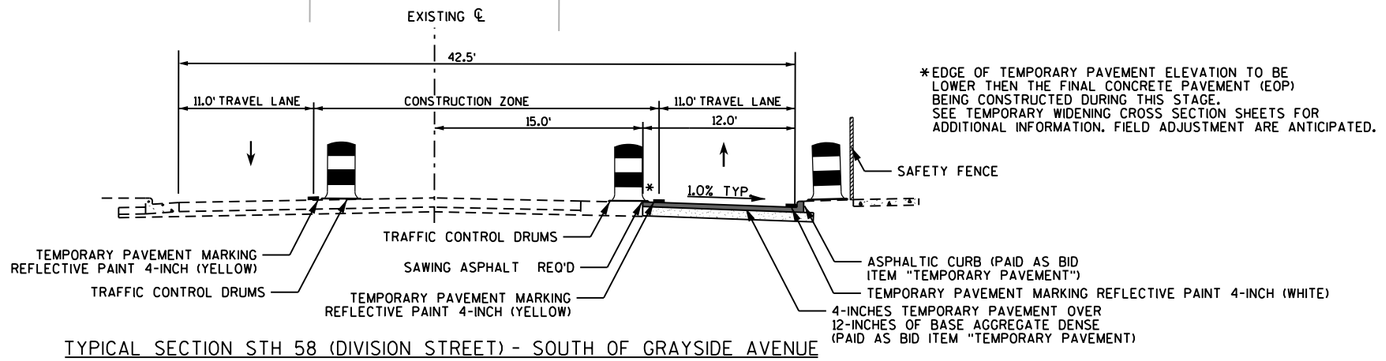
ROAD WORK 500 FT W20-1

NOTE: FLAGGING WILL BE REQUIRED DURING ANY CONSTRUCTION OPERATIONS THAT RESTRICT THE WIDTH OF TRAVEL LANES. MAINTAIN LANE WIDTH AS SHOWN DURING NON WORKING HOURS.



LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT



TYPICAL SECTION STH 58 (DIVISION STREET) - SOUTH OF GRAYSIDE AVENUE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1B	SHEET 117	E

MAINTAIN ACCESS TO DRIVEWAYS AT STA. 137+96, LT AND STA. 137+37, LT. FROM GRAYSIDE AVENUE

B

500'

500'

BEGINNING OF WORKZONE

ROAD WORK 500 FT W20-1

ROAD WORK AHEAD W20-1

MAX. 10' WIDTH W12-52

XX MILES AHEAD W057-52 36" X 24"

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

NOTE: FLAGGING WILL BE REQUIRED DURING ANY CONSTRUCTION OPERATIONS THAT RESTRICT THE WIDTH OF TRAVEL LANES. MAINTAIN LANE WIDTH AS SHOWN DURING NON WORKING HOURS.

ROAD CLOSED R11-2 48" X 30"

W01-4L

15 M.P.H. W013-1 24" X 24"

NO TURNS R3-3 24" X 24"

TEMPORARY PAVEMENT INSTALLED DURING STAGE 1A

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE) INSTALLED DURING STAGE 1A

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (YELLOW) INSTALLED DURING STAGE 1A

W01-6 48" X 24"

NO TURNS R3-3 24" X 24"

ELMBERTA STREET

MATCH LINE STA. 505+50

506+00

507+00

508+00

509+00

510+00

511+00

138+00

139+00

140+00

141+00

11'

25' TYP.

25' TYP.

GRAVEL

ASPHALT

GRASS

TLE

CONCRETE

XXXXX

MATCH INTO EXISTING PAVEMENT MARKINGS

DIVISION STREET

R9-9 24" X 12" SIDEWALK CLOSED

NO TURNS R3-3 24" X 24"

R3-2 24" X 24"

REMOVE EXISTING PAVEMENT MARKING

MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO LIONS PARK AT ALL TIMES.

END ROAD WORK G20-2A 48" X 24"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW) INSTALL ON NEW CONCRETE PAVEMENT

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) INSTALL ON NEW CONCRETE PAVEMENT

INSTALL TEMPORARY PAVEMENT TO MATCH INTO EXISTNG

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE)

ROAD CLOSED R11-2 48" X 30"

INSTALL STORM SEWER INLET PRIOR TO STAGED CONSTRUCTION. INSTALL TEMPORARY INLET CASTING (TYPE S) AND INLET PROTECTION TYPE C

GRAYSIDE AVENUE

C

W11-2 30" X 30" WITH FLAGS W16-7R 24" X 12"

W11-2 30" X 30" WITH FLAGS W16-7L 24" X 12"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1B	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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N

(A)

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

MAX. 10' WIDTH W12-52

XX MILES AHEAD
W057-52
36" X 24"

500' 500'

BEGINNING OF WORKZONE

ROAD WORK AHEAD W20-1

ROAD WORK 500 FT W20-1

END ROAD WORK
G20-2A
48" X 24"

500' FROM END OF WORK ZONE

MAINTAIN ACCESS TO DRIVEWAY. CONCRETE PAVEMENT GAP REQ'D.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

W01-4R

15 M.P.H.
W013-1
24" X 24"

MAINTAIN ACCESS TO DRIVEWAY. CONCRETE PAVEMENT GAP REQ'D.

SHIFTING TAPER: 150'

50'

150'

25' TYP.

STA. 500+00.00

501+00

502+00

503+00

504+00

25' TYP.

50' TYP.

DIVISION STREET

505+00

MATCH LINE STA. 505+50

11'

11'

SPEED LIMIT 25
R2-1
24" X 30"

W01-4R

15 M.P.H.
W013-1
24" X 24"

TEMPORARY PAVEMENT INSTALLED DURING STAGE 1B

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (ADD ONE SOLID YELLOW LINE TO MAKE DOUBLE YELLOW)

W01-7
48" X 24"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) INSTALLED DURING STAGE 1B

GENEVIEVE STREET

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PAVEMENT INSTALLED DURING STAGE 1A

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (ADD ONE SOLID YELLOW LINE TO MAKE DOUBLE YELLOW)

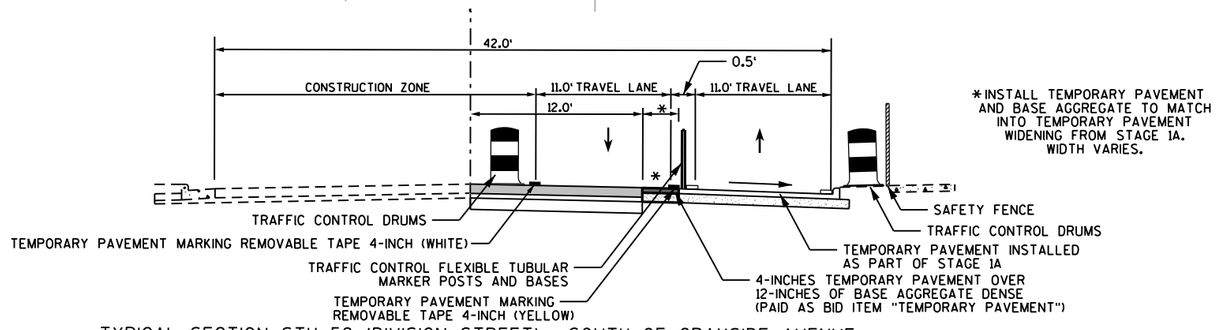
TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE) INSTALLED DURING STAGE 1B

SAFETY FENCE INSTALLED DURING STAGE 1A

GRAVEL
TLE
4"HP
CONC.
ASPH
ASPHALT
CONCRETE
GUY

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT



*INSTALL TEMPORARY PAVEMENT AND BASE AGGREGATE TO MATCH INTO TEMPORARY PAVEMENT WIDENING FROM STAGE 1A. WIDTH VARIES.

TYPICAL SECTION STH 58 (DIVISION STREET) - SOUTH OF GRAYSIDE AVENUE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1C	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

2

MAINTAIN ACCESS TO DRIVEWAYS AT STA. 137+96, LT AND STA. 137+37, LT. FROM GRAYSIDE AVENUE

B

N

BEGINNING OF WORKZONE

500'

500'

ROAD WORK 500 FT
W20-1

ROAD WORK AHEAD
W20-1

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

ROAD CLOSED
R11-2
48" X 30"

NO TURNS
R3-3
24" X 24"

TEMPORARY PAVEMENT MARKING
REMOVABLE TAPE 4-INCH (WHITE)

W01-6
48" X 24"

INSTALL TEMPORARY PAVEMENT TO MATCH INTO EXISTNG

TLE

GRAVEL

GRASS

ASPHALT

4"HP

138+00

139+00

STA 508+78, 28.5'LT

STA 508+21, 14.5'LT

ELMBERTA STREET

W01-4L

B

C

MATCH INTO EXISTING PAVEMENT MARKINGS

510+00

511+00

DIVISION STREET

MATCH LINE STA. 505+50

506+00

507+00

508+00

509+00

XXXXX

25' TYP.

STA 507+00, 2.5'LT

11'

11'

50' TYP.

REMOVE EXISTING PAVEMENT MARKING

SIDEWALK CLOSED
R9-9
24" X 12"

NO TURNS
R3-3
24" X 24"

140+00

MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO LIONS PARK AT ALL TIMES.

TEMPORARY PAVEMENT MARKING
REMOVABLE TAPE 4-INCH
(ADD ONE SOLID YELLOW LINE
TO MAKE DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING
REFLECTIVE PAINT 4-INCH (WHITE)
INSTALLED DURING STAGE 1B

END ROAD WORK
G20-2A
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

GRAYSIDE AVENUE

141+00

CONCRETE

C

W11-2
30" X 30"
WITH FLAGS
W16-7R
24" X 12"

W11-2
30" X 30"
WITH FLAGS
W16-7L
24" X 12"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 1C	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

N

(A)

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

500' 500'

BEGINNING OF WORKZONE

ROAD WORK AHEAD
W20-1

ROAD WORK 500 FT
W20-1

END ROAD WORK
G20-2A
48" X 24"

BUFFER: 50' SHIFTING TAPER: 60'

25' TYP. 50' TYP. 25' TYP. 10' TYP.

STA. 500+00.00

501+00 502+00 503+00 504+00 505+00

11' 11'

DIVISION STREET

MATCH LINE STA. 505+50

GRAVEL TLE CONC. GRAVEL TLE GRAV

4"HP GUY GUY

ASPHALT ASPHALT CONCRETE GUY

CONCRETE CONCRETE

(A)

SPEED LIMIT 25
R2-1
24" X 30"

WO1-6
48" X 24"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

GENEVIEVE STREET

SIDEWALK CLOSED
R9-9
24" X 12"

W24-1R

15 M.P.H.
WO13-1
24" X 24"

R4-7
24" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

SAFETY FENCE INSTALLED DURING STAGE 1A

STAGE INTERSECTION TO MAINTAIN ACCESS TO GENEVIEVE STREET

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROPOSED ℄

42.0'

0.5'

11.0' TRAVEL LANE 11.0' TRAVEL LANE CONSTRUCTION ZONE

SAFETY FENCE

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES

TRAFFIC CONTROL DRUMS

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

TYPICAL SECTION STH 58 (DIVISION STREET) - SOUTH OF GRAYSIDE AVENUE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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MAINTAIN ACCESS TO DRIVEWAYS AT STA. 137+96, LT AND STA. 137+37, LT. FROM GRAYSIDE AVENUE

ROAD CLOSED
R11-2
48" X 30"

138+00

SIDEWALK CLOSED
R9-9
24" X 12"

NO TURNS
R3-3
24" X 24"

STA 507+62, 47.5' LT

STA 507+76, 39.5' LT

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

STA 508+78, 28.5' LT

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

R4-7
24" X 30"

NO TURNS
R3-3
24" X 24"

ELMBERTA STREET

W24-1R

15 M.P.H.
W013-1
24" X 24"

139+00

18'

TLE

GRASS

ASPHALT

B

C

510+00

511+00

DIVISION STREET

MATCH LINE STA. 505+50

506+00

507+00

508+00

509+00

10' TYP.

25' TYP.

25' TYP.

STA 506+31.5, 06.5' RT

NO TURNS
R3-3
24" X 24"

21'

GRAVEL

R9-9
24" X 12"
SIDEWALK CLOSED

STA 506+02, 28.5' RT

140+00

22.5'

11'

7'

STA 508+05, 38' RT

INSTALL TEMPORARY INLET CASTING (TYPE S) AND INLET PROTECTION TYPE C

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

R3-2
24" X 24"

MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO LIONS PARK AT ALL TIMES.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

END ROAD WORK
G20-2A
48" X 24"

STA 506+41, 47' RT

TLE

CONCRETE

GRAYSIDE AVENUE

STA 507+50, 73' RT

STA 507+22, 84' RT

141+00

ROAD CLOSED
R11-2
48" X 30"

ASPHALT

GRAVEL

B

500'

500'

BEGINNING OF WORKZONE

ROAD WORK 500 FT
W20-1

ROAD WORK AHEAD
W20-1

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

C

W11-2
30" X 30"
WITH FLAGS
W16-7R
24" X 12"

W11-2
30" X 30"
WITH FLAGS
W16-7L
24" X 12"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

A

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

MAX. 10' WIDTH
W12-52

XX MILES AHEAD
W057-52
36" X 24"

500' 500'

BEGINNING OF WORKZONE

ROAD WORK AHEAD
W20-1

ROAD WORK 500 FT
W20-1

N

END ROAD WORK
G20-2A
48" X 24"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) INSTALLED DURING STAGE 2

GRAVEL TLE 4"HP GUY 4"WP CONC. GRAVEL TLE GRAV

STA = 500+00.00

501+00 502+00 503+00 504+00 505+00

11' 11' 25' TYP. 10' TYP.

DIVISION STREET

MATCH LINE STA. 505+50

A

SPEED LIMIT 25
R2-1
24" X 30"

ASPHALT ASPHALT CONCRETE CONCRETE CONCRETE

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) INSTALLED DURING STAGE 2

W01-6
48" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

W24-1R

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE) INSTALLED DURING STAGE 2

SAFETY FENCE INSTALLED DURING STAGE 1A

15 M.P.H.
W013-1
24" X 24"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROPOSED ℄

32'

0.5'

11.0' TRAVEL LANE 11.0' TRAVEL LANE CONSTRUCTION ZONE

SAFETY FENCE

TRAFFIC CONTROL DRUMS

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

TYPICAL SECTION STH 58 (DIVISION STREET) - SOUTH OF GRAYSIDE AVENUE

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 3	SHEET 123	E

MAINTAIN ACCESS TO DRIVEWAYS AT STA. 137+96, LT AND STA. 137+37, LT. FROM GRAYSIDE AVENUE

B

500' 500'

BEGINNING OF WORKZONE

ROAD WORK 500 FT W20-1

ROAD WORK AHEAD W20-1

MAX. 10' WIDTH W12-52

XX MILES AHEAD W057-52 36" X 24"

INSTALL AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY OR AS DIRECTED BY THE ENGINEER.

N

ROAD CLOSED R11-2 48" X 30"

SIDEWALK CLOSED R9-9 24" X 12"

R4-7 24" X 30"

ROAD CLOSED R11-2 48" X 30"

INSTALL TEMPORARY PAVEMENT TO MATCH EXISTING

INSTALL TEMPORARY INLET CASTING (TYPE S) AND INLET PROTECTION TYPE C, INLET TO BE INSTALLED PRIOR TO STAGE 3

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) INSTALLED DURING STAGE 2

NO TURNS R3-3 24" X 24"

W24-1R

15 M.P.H. W013-1 24" X 24"

ELMBERTA STREET

138+00

139+00

140+00

141+00

507+00

508+00

509+00

510+00

511+00

DIVISION STREET

MATCH LINE STA. 505+50

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

10' TYP

9.0'

GRAVEL

TLE

GRASS

ASPHALT

R4-7 24" X 30"

R3-2 24" X 24"

MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO LIONS PARK AT ALL TIMES.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY PAVEMENT INSTALLED DURING STAGE 2

END ROAD WORK G20-2A 48" X 24"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

GRAYSIDE AVENUE

ROAD CLOSED R11-2 48" X 30"

C

W11-2 30" X 30" WITH FLAGS W16-7R 24" X 12"

W11-2 30" X 30" WITH FLAGS W16-7L 24" X 12"

LEGEND

- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW CONCRETE PAVEMENT

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

2

N

ROAD CLOSED AHEAD
W20-3

ROAD CLOSED 1000 FT
W20-3

ROAD CLOSED 500 FT
W20-3

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

ELMBERTA STREET

GRASS

ASPHALT

TLE

500'

500'

500'

511+00

510+00

509+00

508+00

507+00

506+00

140+00

139+00

138+00

DIVISION STREET

SIDEWALK CLOSED
R9-9
24" X 12"

ACCESS LIONS PARK VIA GRAYSIDE AVE
60" X 30"
TRAFFIC CONTROL SIGN
FIXED MESSAGE 12.5sf

NOTE: GRAYSIDE AVENUE SHALL BE OPEN PRIOR TO CLOSURE OF DIVISION STREET.

ROAD CLOSED
R11-2
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED 500 FT
W20-3

ROAD CLOSED 1000 FT
W20-3

ROAD CLOSED AHEAD
W20-3

DIVISION ST
24" X 48"
TRAFFIC CONTROL SIGN
FIXED MESSAGE 8sf

141+00

GRAYSIDE AVENUE

XXX

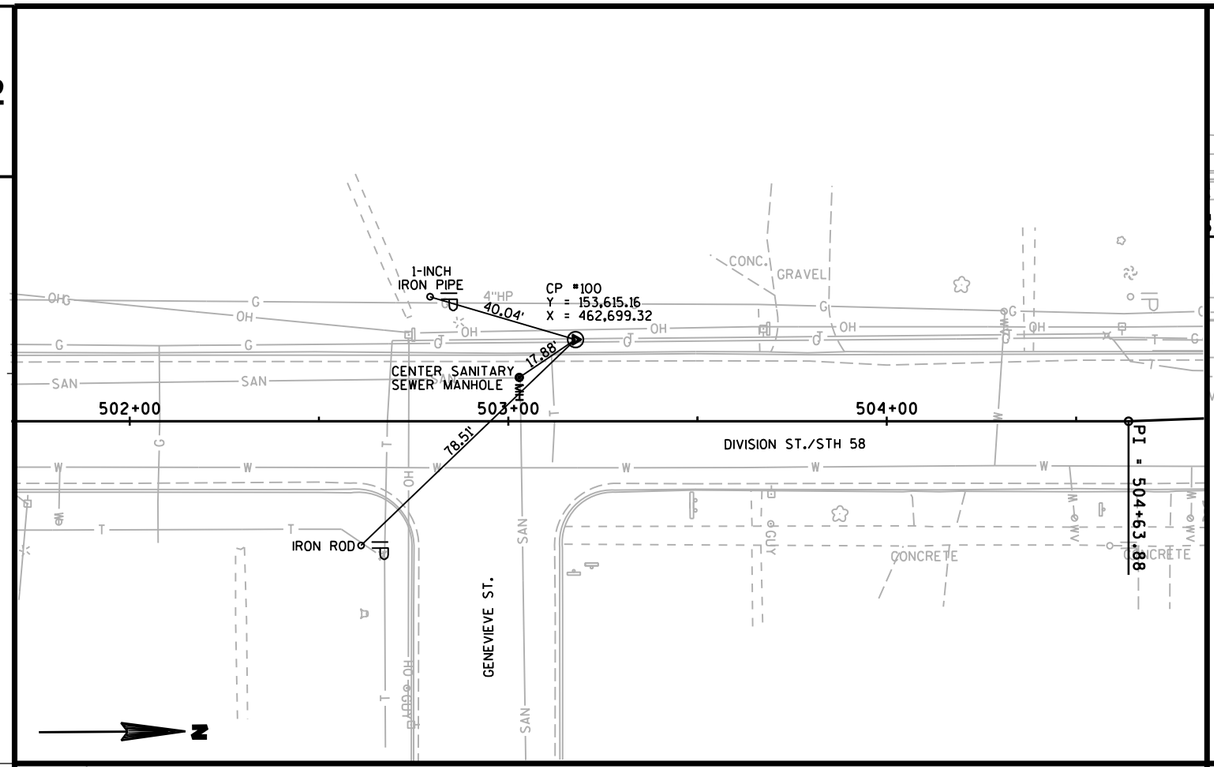
LEGEND

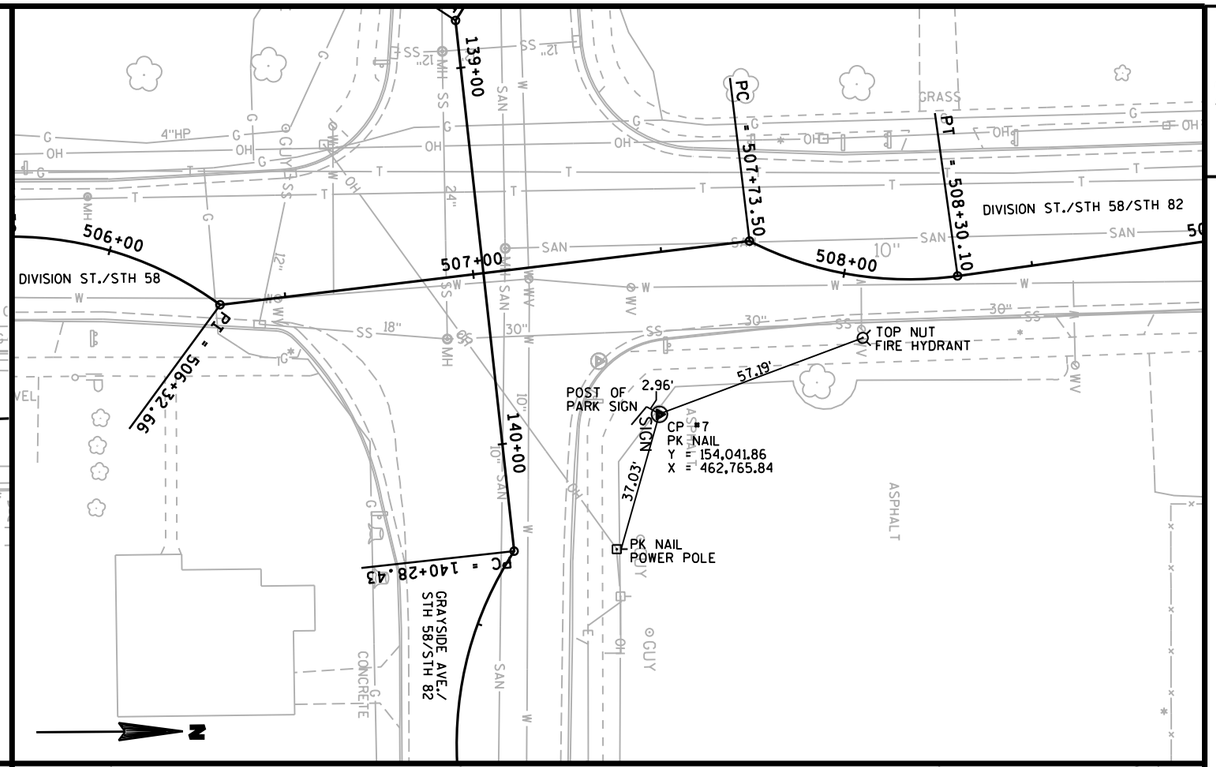
- DRUM WITH / WITHOUT WARNING LIGHT TYPE C
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH / WITHOUT SIGN
- TRAFFIC FLOW ARROW
- FLEXIBLE TUBULAR MARKER
- XXXXX REMOVE EXISTING PAVEMENT MARKING
- WORK AREA
- TEMPORARY PAVEMENT
- NEW PAVEMENT

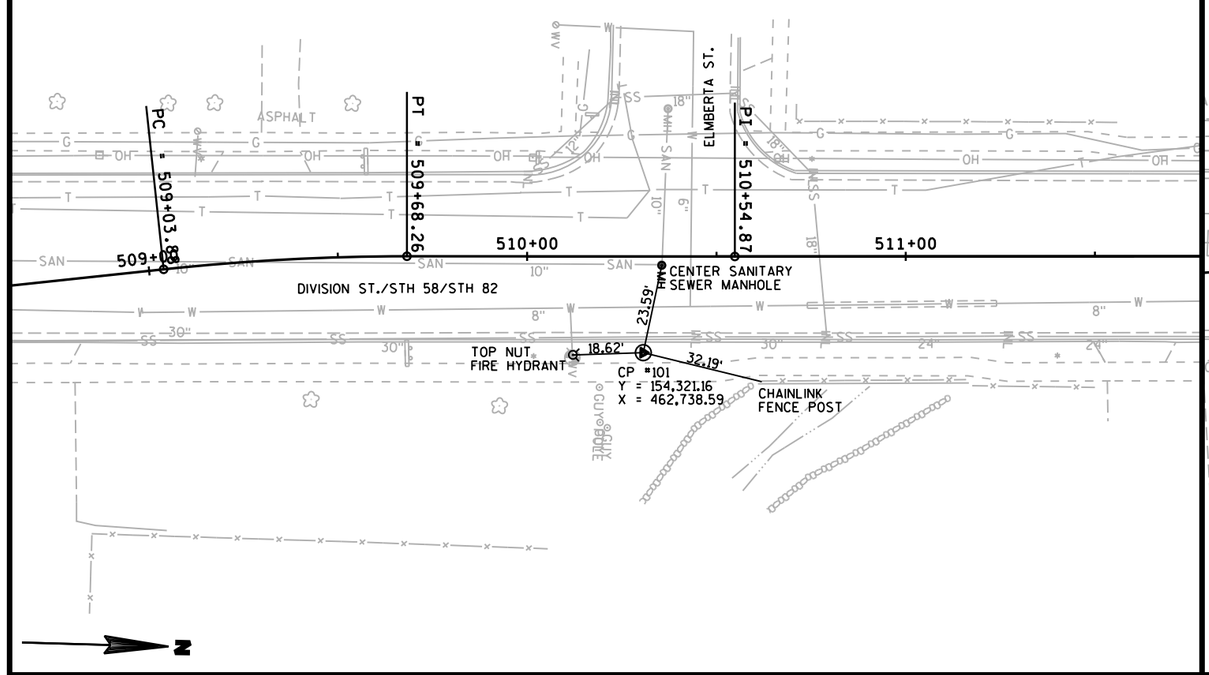
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 4	SHEET	E

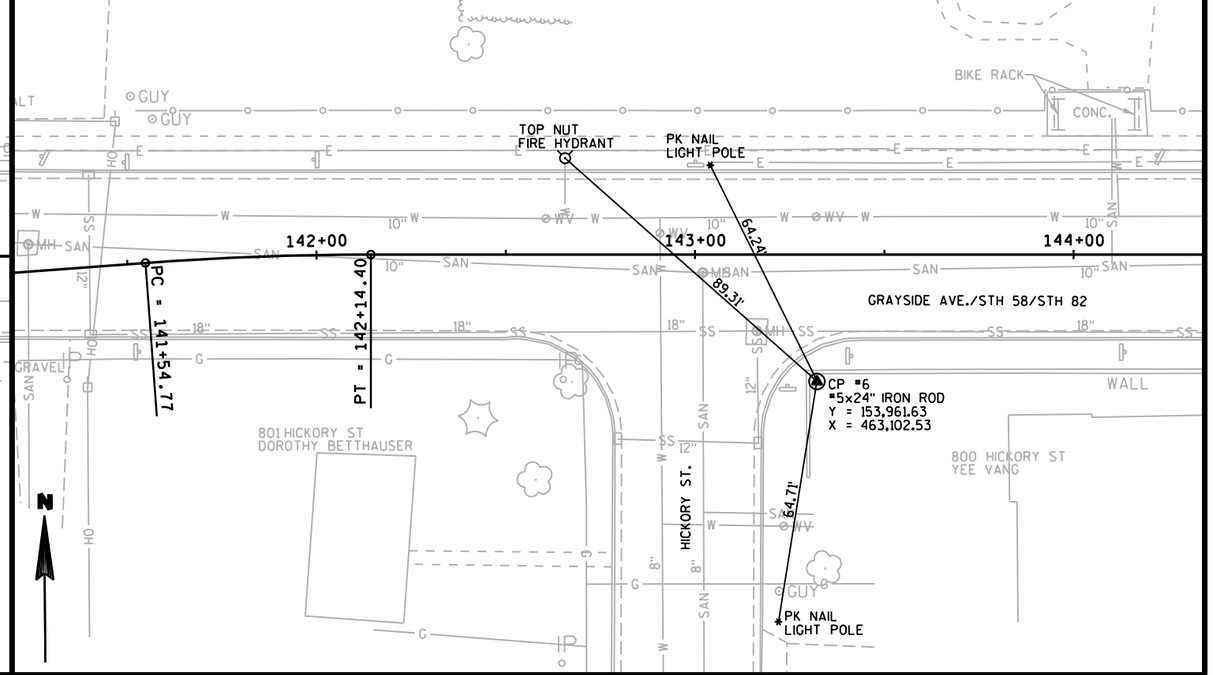
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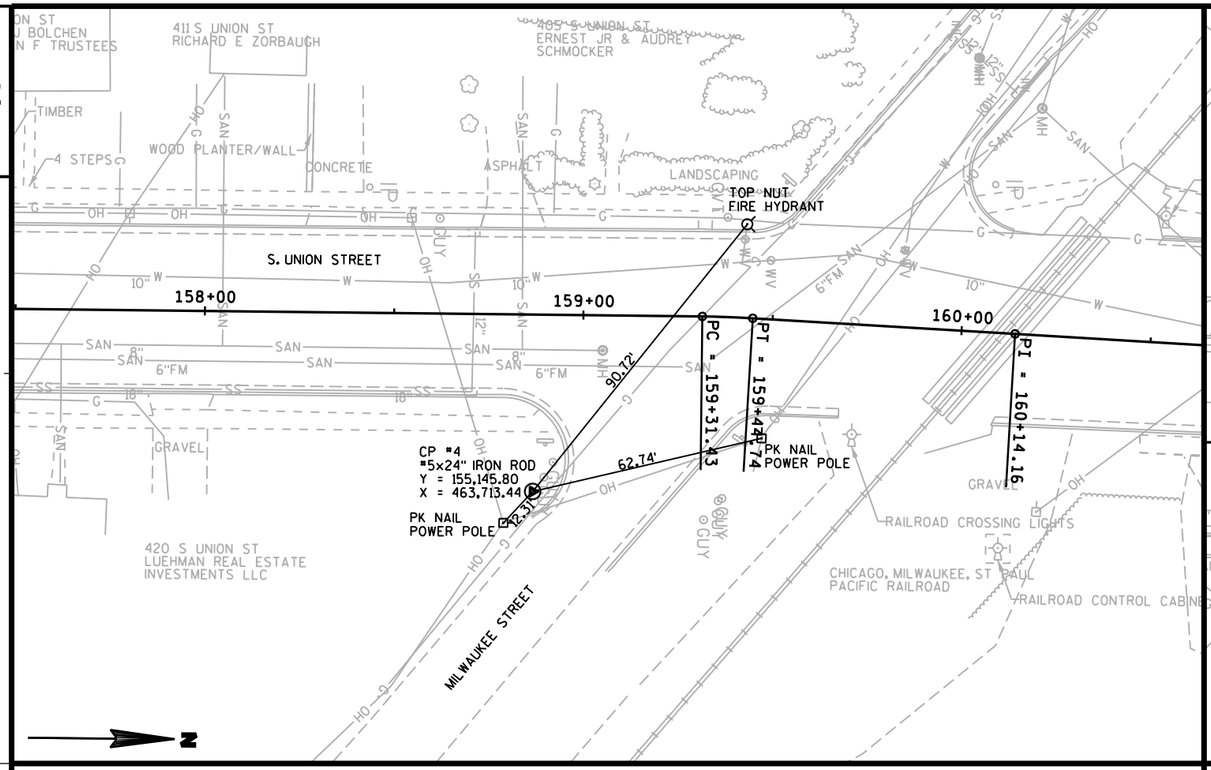


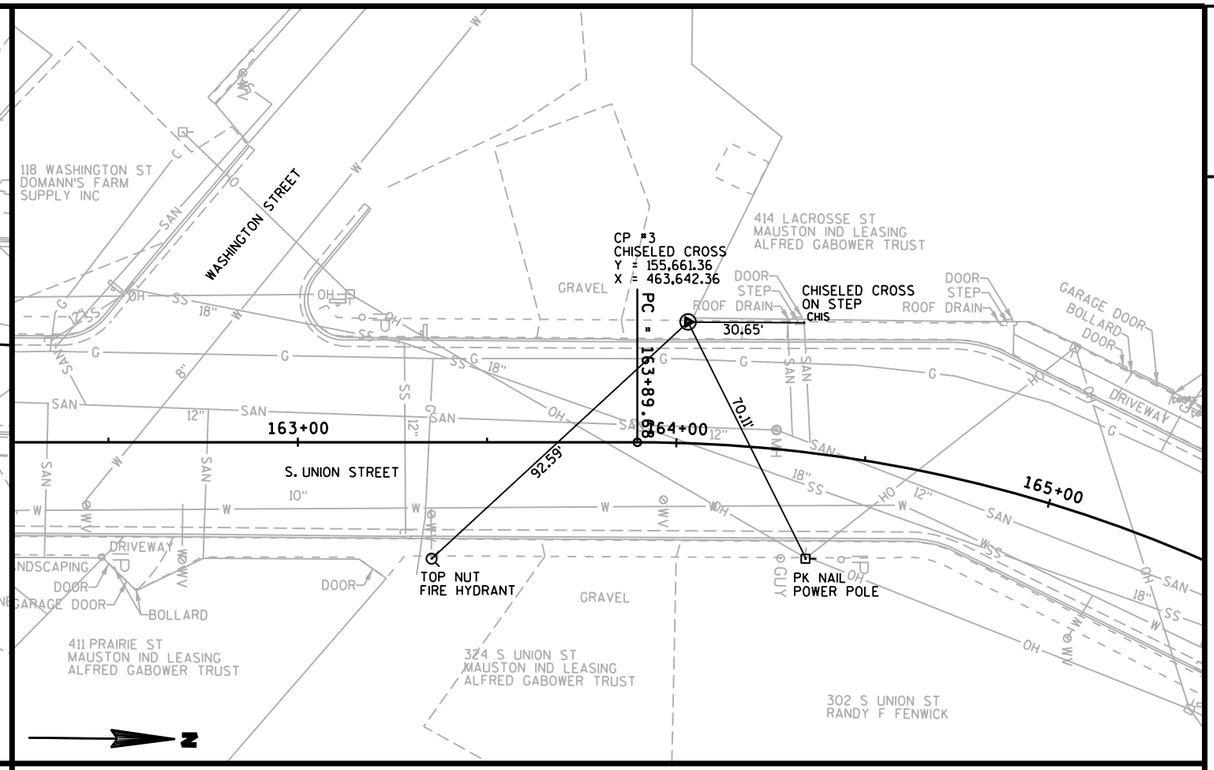


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CONTROL POINT TIES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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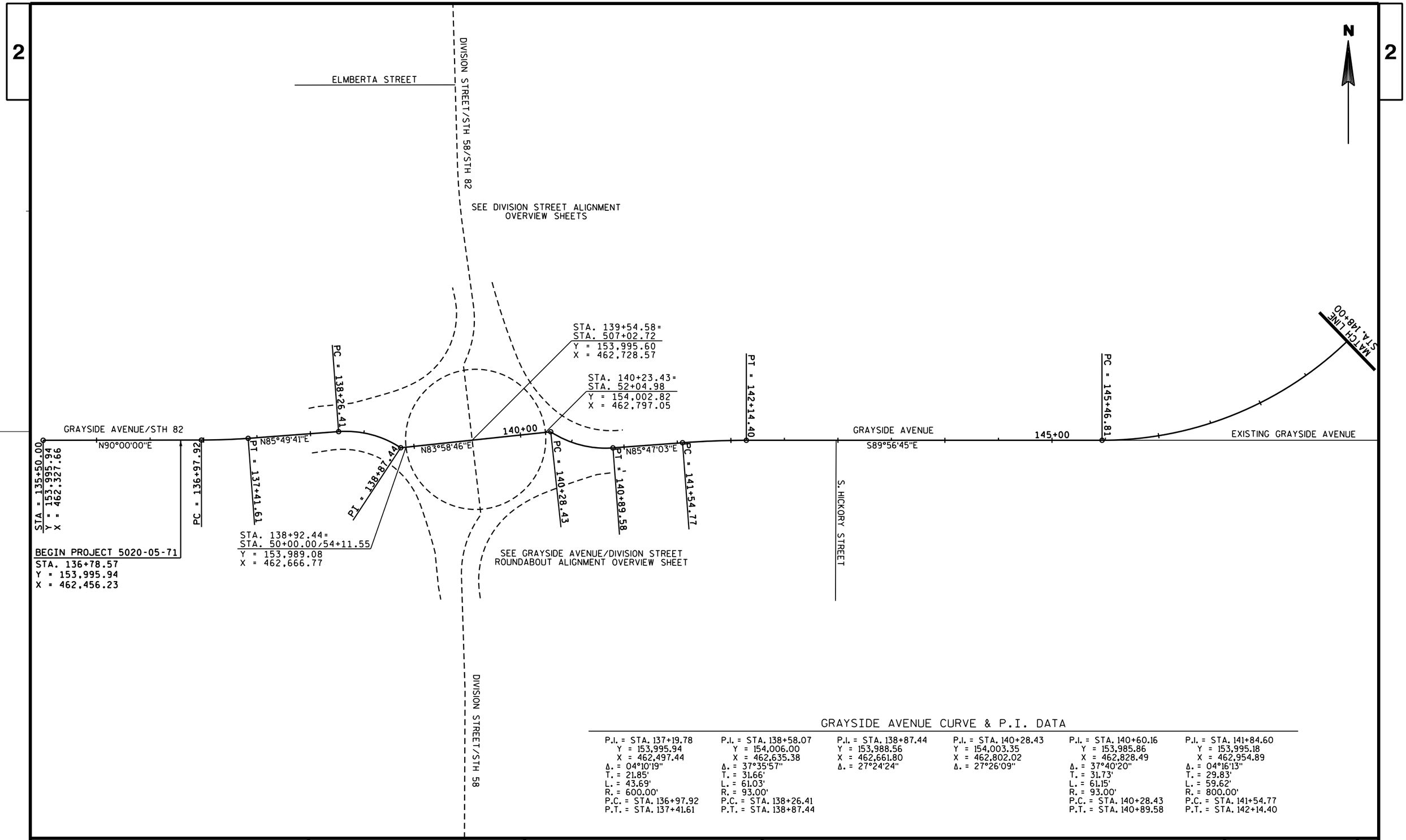


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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CONTROL POINT TIES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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GRAYSIDE AVENUE CURVE & P.I. DATA

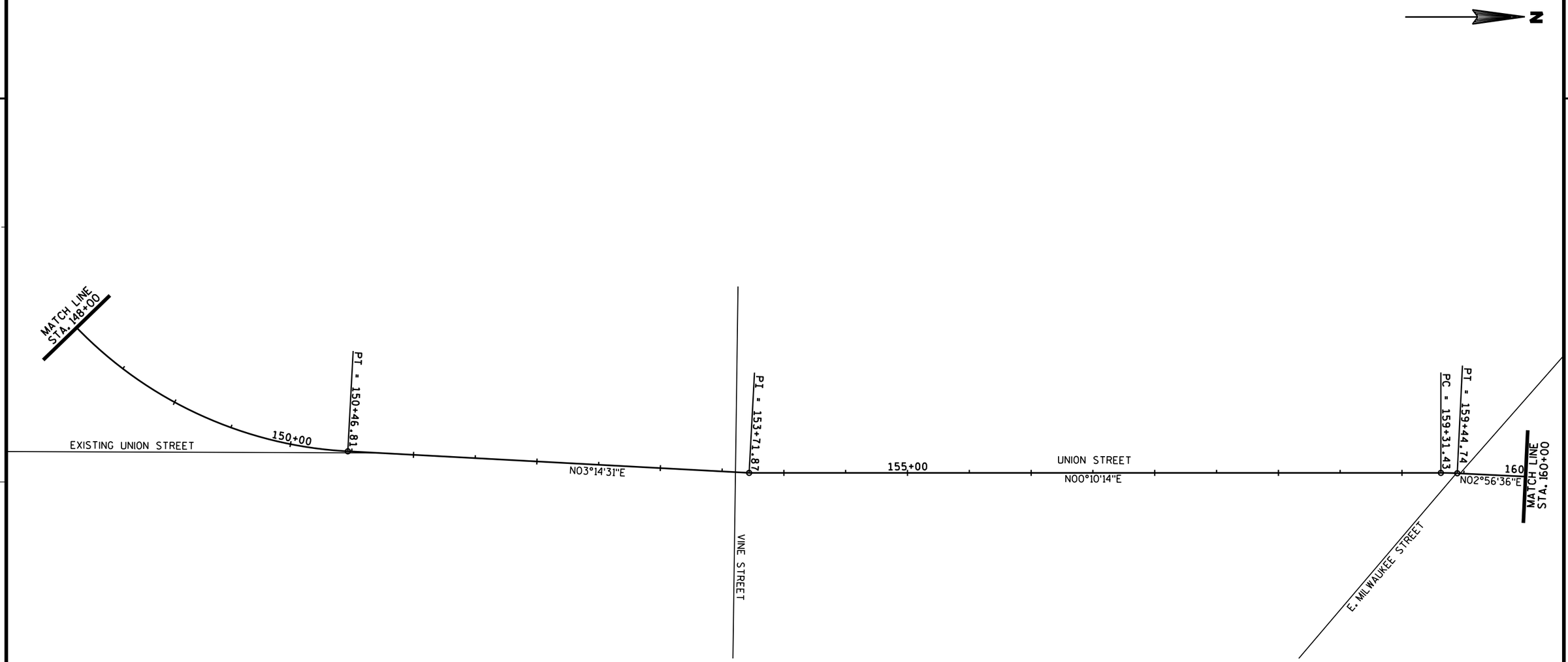
P.I. = STA. 137+19.78 Y = 153,995.94 X = 462,497.44 Δ. = 04°10'19" T. = 21.85' L. = 43.69' R. = 600.00' P.C. = STA. 136+97.92 P.T. = STA. 137+41.61	P.I. = STA. 138+58.07 Y = 154,006.00 X = 462,635.38 Δ. = 37°35'57" T. = 31.66' L. = 61.03' R. = 93.00' P.C. = STA. 138+26.41 P.T. = STA. 138+87.44	P.I. = STA. 138+87.44 Y = 153,988.56 X = 462,661.80 Δ. = 27°24'24"	P.I. = STA. 140+28.43 Y = 154,003.35 X = 462,802.02 Δ. = 27°26'09"	P.I. = STA. 140+60.16 Y = 153,985.86 X = 462,828.49 Δ. = 37°40'20" T. = 31.73' L. = 61.15' R. = 93.00' P.C. = STA. 140+28.43 P.T. = STA. 140+89.58	P.I. = STA. 141+84.60 Y = 153,995.18 X = 462,954.89 Δ. = 04°16'13" T. = 29.83' L. = 59.62' R. = 800.00' P.C. = STA. 141+54.77 P.T. = STA. 142+14.40

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (GRAYSIDE AVENUE)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2



UNION STREET CURVE & P.I. DATA

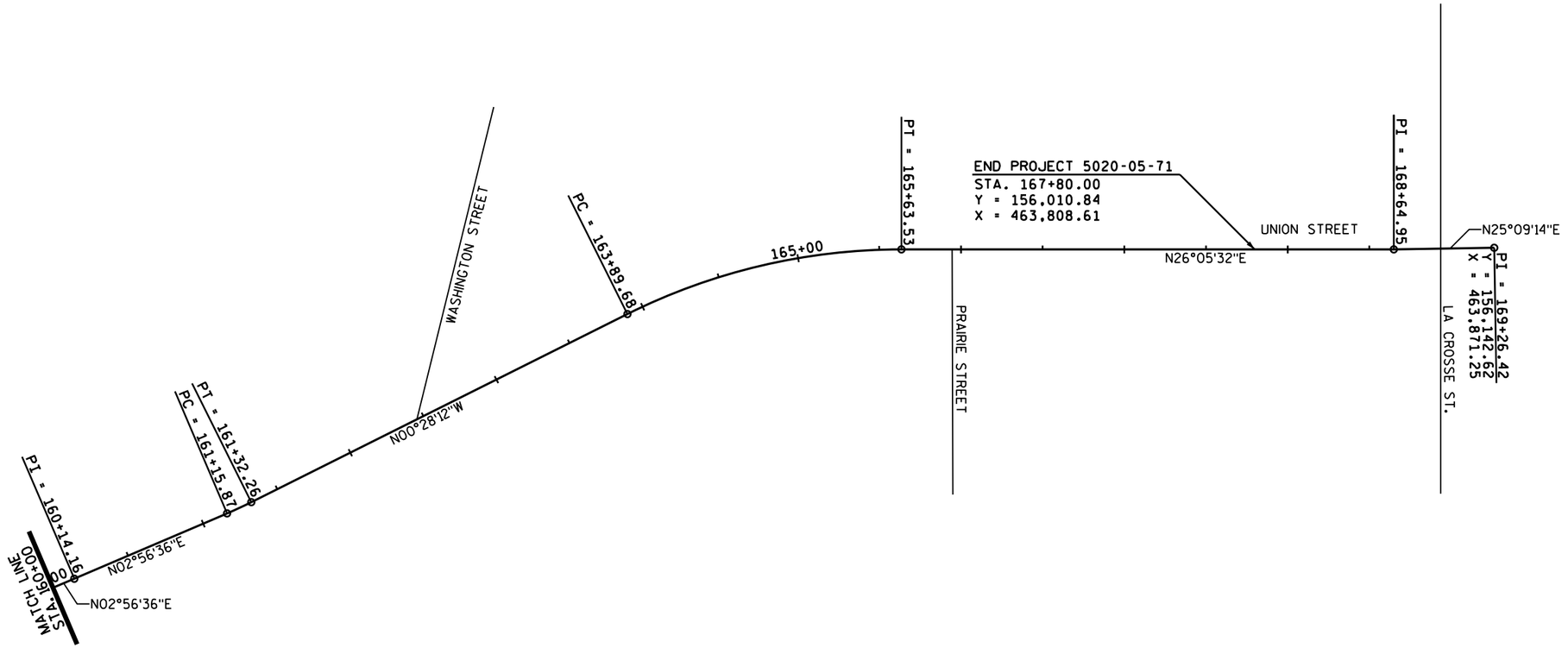
P.I. = STA. 148+58.94	P.I. = STA. 153+71.87	P.I. = STA. 159+38.09
Y = 153,994.54	Y = 154,630.71	Y = 155,196.92
X = 463,629.26	X = 463,665.29	X = 463,666.98
Δ. = 86°48'45"	Δ. = 03°04'17"	Δ. = 02°46'22"
T. = 312.13'		T. = 6.66'
L. = 500.00'		L. = 13.31'
R. = 330.00'		R. = 275.00'
P.C. = STA. 145+46.81		P.C. = STA. 159+31.43
P.T. = STA. 150+46.81		P.T. = STA. 159+44.74

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (UNION STREET)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Alignment Overview_02.dgn 2/5/2013 9:23:03 AM bhuibregtse

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UNION STREET CURVE & P.I. DATA

P.I. = STA. 160+14.16 Y = 155,272.90 X = 463,670.88 Δ. = 00°00'00"	P.I. = STA. 161+24.07 Y = 155,382.66 X = 463,676.53 Δ. = 03°24'49" T. = 8.19' L. = 16.38' R. = 275.00' P.C. = STA. 161+15.87 P.T. = STA. 161+32.26	P.I. = STA. 164+78.19 Y = 155,736.78 X = 463,673.62 Δ. = 26°33'44" T. = 88.52' L. = 173.85' R. = 375.00' P.C. = STA. 163+89.68 P.T. = STA. 165+63.53	P.I. = STA. 168+64.95 Y = 156,086.98 X = 463,845.12 Δ. = 00°56'18"

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (UNION STREET)	SHEET 130 E

2

N

SEE GRAYSIDE AVENUE ALIGNMENT OVERVIEW SHEETS

GRAYSIDE AVENUE/STH 82

SEE GRAYSIDE AVENUE/DIVISION STREET ROUNDABOUT ALIGNMENT OVERVIEW SHEET

STA = 500+00.00
Y = 153,297.33
X = 462,719.39

BEGIN CONSTRUCTION
STA. 500+94.00
Y = 153,391.33
X = 462,719.84

DIVISION STREET/STH 58

N00°16'35"E

PI = 504+63.88

505+00

N01°43'55"W

PC = 505+70.59

PI = 506+32.66

N06°35'12"W

PC = 507+73.50

PT = 508+30.10

N07°39'31"W

PC = 509+03.88

PT = 509+68.26

510+00

N01°30'39"W

PI = 510+54.87

ELMBERTA STREET

DIVISION STREET/
STH 58/STH 82

N01°33'28"W

MATCH LINE
STA. 512+00

GENEVIEVE STREET

BEGIN MILL & OVERLAY
STA. 509+68.26
Y = 154,258.10
X = 462,714.94

STA. 507+68.49=
STA. 53+12.28
Y = 154,060.95
X = 462,721.03

STA. 507+02.72=
STA. 139+54.58
Y = 153,995.60
X = 462,728.57

STA. 506+37.67=
STA. 50+99.77
Y = 153,930.98
X = 462,736.03

GRAYSIDE AVENUE

DIVISION STREET CURVE & P.I. DATA

P.I. = STA. 504+63.88
Y = 153,761.26
X = 462,721.63
Δ. = 01°27'20"

P.I. = STA. 506+02.83
Y = 153,900.09
X = 462,717.43
Δ. = 38°14'23"
T. = 32.24'
L. = 62.07'
R. = 93.00'
P.C. = STA. 505+70.59
P.T. = STA. 506+32.66

P.I. = STA. 506+32.66
Y = 153,926.01
X = 462,736.61
Δ. = 29°55'15"

P.I. = STA. 507+73.50
Y = 154,065.92
X = 462,720.45
Δ. = 20°37'33"

P.I. = STA. 508+02.71
Y = 154,091.89
X = 462,733.81
Δ. = 34°52'16"
T. = 29.21'
L. = 56.60'
R. = 93.00'
P.C. = STA. 507+73.50
P.T. = STA. 508+30.10

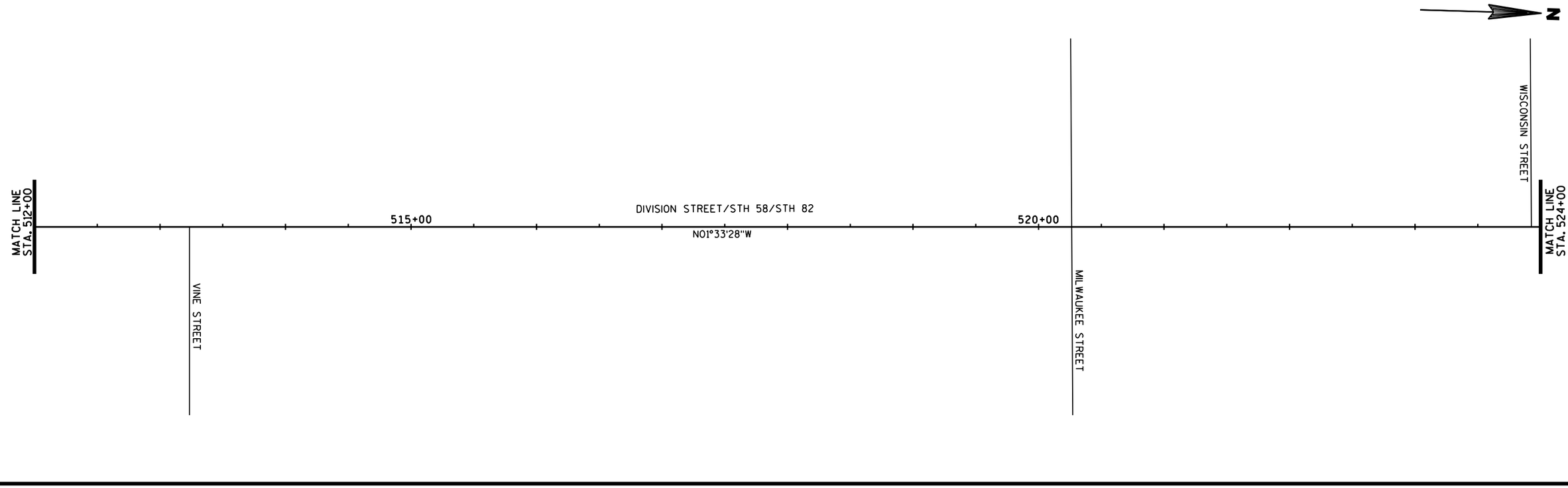
P.I. = STA. 509+36.10
Y = 154,225.90
X = 462,715.79
Δ. = 06°08'52"
T. = 32.22'
L. = 64.38'
R. = 600.00'
P.C. = STA. 509+03.88
P.T. = STA. 509+68.26

P.I. = STA. 510+54.87
Y = 154,344.69
X = 462,712.66
Δ. = 00°02'49"

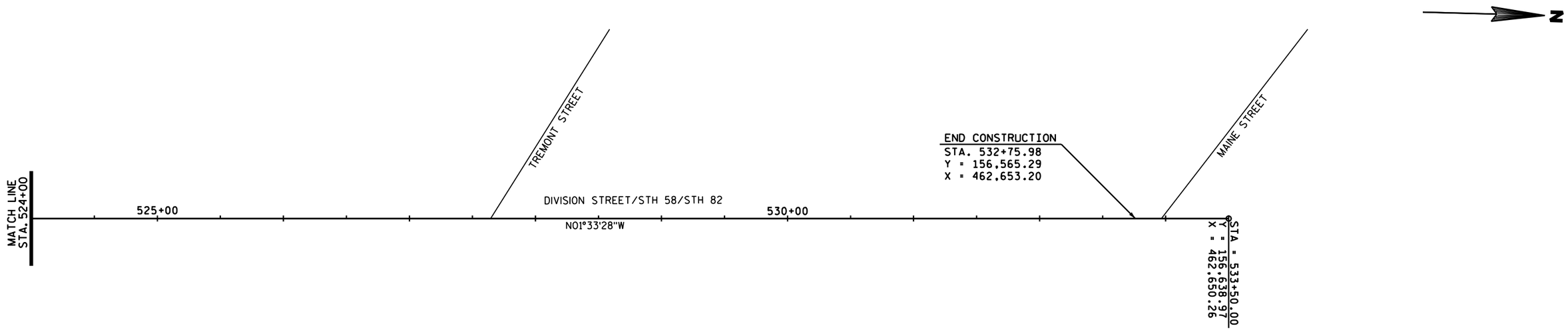
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (DIVISION STREET)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Alignment Overview_04.dgn 2/5/2013 9:23:07 AM bhuibregtse



2



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (DIVISION STREET)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Alignment Overview_05.dgn 2/5/2013 9:23:08 AM bhuibregtse

NORTHWEST CORNER ROUNDABOUT CURVE & P.I. DATA

P.I. = STA. 10+04.22 "NW"
Y = 154,026.24
X = 462,579.89
Δ. = 00°38'49"
T. = 4.22'
L. = 8.45'
R. = 748.00'
P.C. = STA. 10+00.00 "NW"
P.T. = STA. 10+08.45 "NW"

P.I. = STA. 10+08.45 "NW"
Y = 154,027.09
X = 462,584.02
Δ. = 08°19'49"

P.I. = STA. 10+60.36 "NW"
Y = 154,035.06
X = 462,635.19
Δ. = 02°58'58"
T. = 19.58'
L. = 39.15'
R. = 752.00'
P.C. = STA. 10+40.78 "NW"
P.T. = STA. 10+79.93 "NW"

P.I. = STA. 10+91.57 "NW"
Y = 154,044.20
X = 462,665.04
Δ. = 10°28'28"
T. = 11.64'
L. = 23.22'
R. = 127.00'
P.C. = STA. 10+79.93 "NW"
P.T. = STA. 11+03.15 "NW"

P.I. = STA. 11+57.99 "NW"
Y = 154,074.91
X = 462,724.02
Δ. = 74°35'59"
T. = 54.85'
L. = 93.75'
R. = 72.00'
P.C. = STA. 11+03.15 "NW"
P.T. = STA. 11+96.89 "NW"

NORTHEAST CORNER ROUNDABOUT CURVE & P.I. DATA

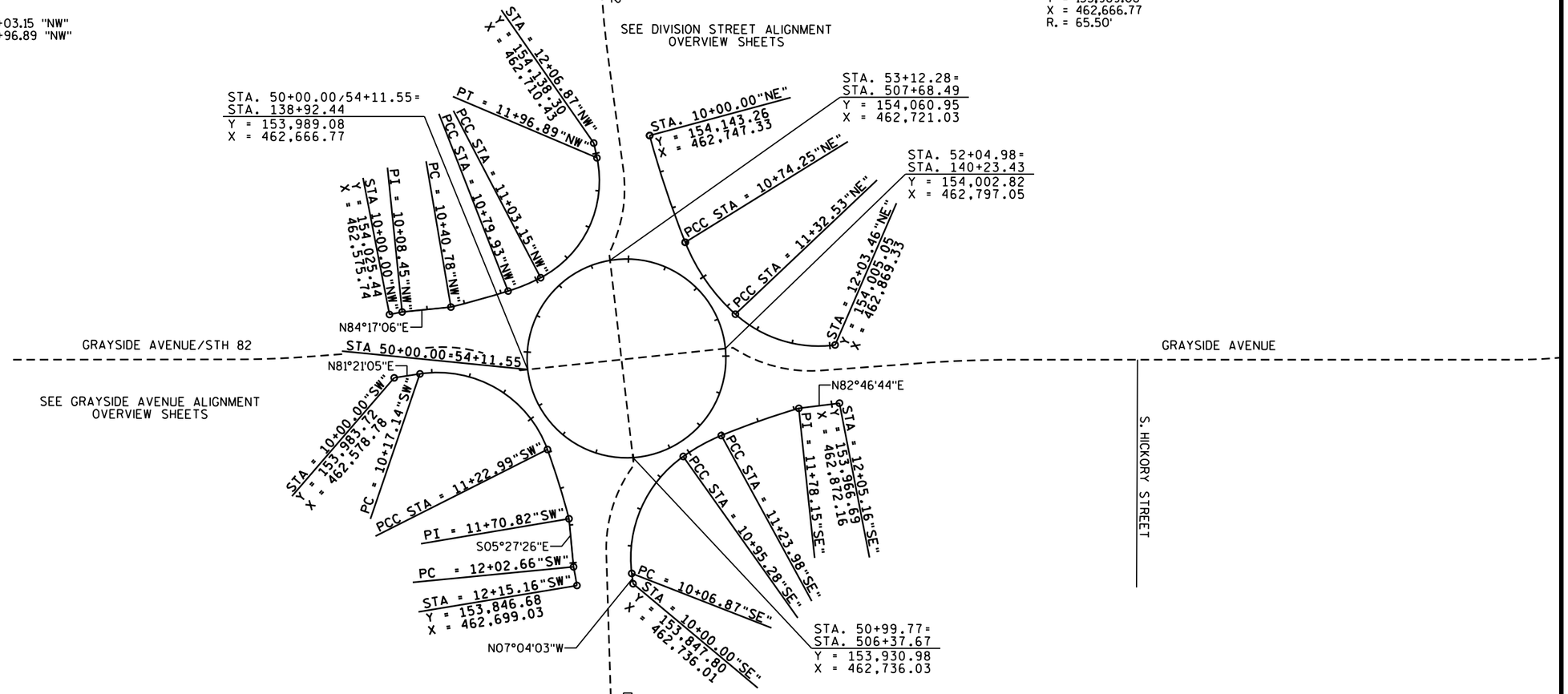
P.I. = STA. 10+37.17 "NE"
Y = 154,107.36
X = 462,756.93
Δ. = 06°43'51"
T. = 37.17'
L. = 74.25'
R. = 632.00'
P.C. = STA. 10+00.00 "NE"
P.T. = STA. 10+74.25 "NE"

P.I. = STA. 11+03.91 "NE"
Y = 154,045.26
X = 462,781.63
Δ. = 26°17'36"
T. = 29.66'
L. = 58.28'
R. = 127.00'
P.C. = STA. 10+74.25 "NE"
P.T. = STA. 11+32.53 "NE"

P.I. = STA. 11+70.38 "NE"
Y = 154,000.07
X = 462,831.80
Δ. = 49°33'48"
T. = 37.86'
L. = 70.93'
R. = 82.00'
P.C. = STA. 11+32.53 "NE"
P.T. = STA. 12+03.46 "NE"

ROUNDABOUT CENTER CIRCLE CURVE & P.I. DATA

P.I. = STA. 50+00.00/STA. 54+11.55
Y = 153,989.08
X = 462,666.77
R. = 65.50'



SOUTHWEST CORNER ROUNDABOUT CURVE & P.I. DATA

P.I. = STA. 10+80.35 "SW"
Y = 153,995.81
X = 462,658.22
Δ. = 78°46'02"
T. = 63.21'
L. = 105.86'
R. = 77.00'
P.C. = STA. 10+17.14 "SW"
P.T. = STA. 11+22.99 "SW"

P.I. = STA. 11+46.93 "SW"
Y = 153,913.86
X = 462,687.86
Δ. = 05°27'33"
T. = 23.93'
L. = 47.83'
R. = 502.00'
P.C. = STA. 11+22.99 "SW"
P.T. = STA. 11+70.82 "SW"

P.I. = STA. 11+70.82 "SW"
Y = 153,890.68
X = 462,693.82
Δ. = 08°57'55"

P.I. = STA. 12+08.91 "SW"
Y = 153,852.85
X = 462,698.02
Δ. = 01°26'15"
T. = 06.25'
L. = 12.49'
R. = 498.00'
P.C. = STA. 12+02.66 "SW"
P.T. = STA. 12+15.16 "SW"

SOUTHEAST CORNER ROUNDABOUT CURVE & P.I. DATA

P.I. = STA. 10+55.92 "SE"
Y = 153,903.30
X = 462,729.13
Δ. = 61°46'28"
T. = 49.05'
L. = 88.41'
R. = 82.00'
P.C. = STA. 10+06.87 "SE"
P.T. = STA. 10+95.28 "SE"

P.I. = STA. 11+09.69 "SE"
Y = 153,939.96
X = 462,780.93
Δ. = 12°56'43"
T. = 14.41'
L. = 28.69'
R. = 127.00'
P.C. = STA. 10+95.28 "SE"
P.T. = STA. 11+23.98 "SE"

P.I. = STA. 11+51.09 "SE"
Y = 153,955.75
X = 462,819.33
Δ. = 06°10'57"
T. = 27.11'
L. = 54.17'
R. = 502.00'
P.C. = STA. 11+23.98 "SE"
P.T. = STA. 11+78.15 "SE"

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	ALIGNMENT OVERVIEW (GRAYSIDE AVE./DIVISION ST. ROUNDABOUT)	SHEET 133	E

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
0010	108.4300	RBC PROGRESS SCHEDULE	EACH	1.000	1.000
0020	201.0105	CLEARING	STA	2.000	2.000
0030	201.0120	CLEARING	ID	155.000	155.000
0040	201.0205	GRUBBING	STA	2.000	2.000
0050	201.0220	GRUBBING	ID	349.000	349.000
0060	204.0100	REMOVING PAVEMENT	SY	12.000	12.000
0070	204.0110	REMOVING ASPHALTIC SURFACE	SY	40.000	40.000
0080	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	10,446.000	10,446.000
0090	204.0150	REMOVING CURB & GUTTER	LF	8,144.000	8,144.000
0100	204.0155	REMOVING CONCRETE SIDEWALK	SY	2,342.000	2,342.000
0110	204.0195	REMOVING CONCRETE BASES	EACH	8.000	8.000
0120	204.0210	REMOVING MANHOLES	EACH	14.000	14.000
0130	204.0220	REMOVING INLETS	EACH	19.000	19.000
0140	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH OR LESS	LF	527.000	527.000
0150	204.0245	REMOVING STORM SEWER (SIZE) 02. 15 TO 18-INCH	LF	730.000	730.000
0160	204.0245	REMOVING STORM SEWER (SIZE) 03. 20 TO 27-INCH	LF	165.000	165.000
0170	204.0245	REMOVING STORM SEWER (SIZE) 04. 30 TO 36-INCH	LF	4.000	4.000
0180	204.0245	REMOVING STORM SEWER (SIZE) 05. 24X38-INCH	LF	211.000	211.000
0190	204.0280	SEALING PIPES	EACH	2.000	2.000
0200	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. DECORATIVE STREET LIGHT	EACH	6.000	6.000
0210	204.9060.S	REMOVING (ITEM DESCRIPTION) 02. SIGN	EACH	8.000	8.000
0220	204.9090.S	REMOVING (ITEM DESCRIPTION) 01. CHAIN LINK FENCE	LF	170.000	170.000
0230	205.0100	EXCAVATION COMMON	CY	13,656.000	13,656.000
0240	213.0100	FINISHING ROADWAY (PROJECT) 01. 5020-05-71	EACH	1.000	1.000
0250	214.0100	OBLITERATING OLD ROAD	STA	7.000	7.000
0260	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	2.000	2.000
0270	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	9,648.000	9,648.000
0280	312.0110	SELECT CRUSHED MATERIAL	TON	4,107.000	4,107.000
0290	405.0100	COLORING CONCRETE RED	CY	83.000	83.000
0300	415.0080	CONCRETE PAVEMENT 8-INCH	SY	14,835.000	14,835.000
0310	415.0210	CONCRETE PAVEMENT GAPS	EACH	7.000	7.000
0320	415.1080	CONCRETE PAVEMENT HES 8-INCH	SY	270.000	270.000
0330	416.0170	CONCRETE DRIVEWAY 7-INCH	SY	999.000	999.000
0340	416.0270	CONCRETE DRIVEWAY HES 7-INCH	SY	115.000	115.000
0350	416.0508	CONCRETE ROUNDABOUT TRUCK APRON 8-INCH	SY	372.000	372.000
0360	416.0620	DRILLED DOWEL BARS	EACH	31.000	31.000
0370	455.0105	ASPHALTIC MATERIAL PG58-28	TON	78.000	78.000
0380	455.0605	TACK COAT	GAL	314.000	314.000
0390	460.1103	HMA PAVEMENT TYPE E-3	TON	1,428.000	1,428.000
0400	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	850.000	850.000
0410	465.0105	ASPHALTIC SURFACE	TON	309.000	309.000
0420	465.0310	ASPHALTIC CURB	LF	18.000	18.000
0430	465.0315	ASPHALTIC FLUMES	SY	5.000	5.000
0440	520.8000	CONCRETE COLLARS FOR PIPE	EACH	4.000	4.000
0450	532.0200.S	WALL MODULAR BLOCK GRAVITY	SF	120.000	120.000
0460	601.0405	CONCRETE CURB & GUTTER 18-INCH TYPE A	LF	211.000	211.000

3

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
0470	601.0409	CONCRETE CURB & GUTTER 30-INCH TYPE A	LF	2,353.000	2,353.000
0480	601.0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	384.000	384.000
0490	601.0452	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	LF	5,033.000	5,033.000
0500	601.0580	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	LF	305.000	305.000
0510	601.0600	CONCRETE CURB PEDESTRIAN	LF	125.000	125.000
0520	602.0410	CONCRETE SIDEWALK 5-INCH	SF	33,045.000	33,045.000
0530	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	SF	472.000	472.000
0540	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	574.000	574.000
0550	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	125.000	125.000
0560	608.0324	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	50.000	50.000
0570	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	345.000	345.000
0580	608.0418	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	429.000	429.000
0590	608.0421	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 21-INCH	LF	130.000	130.000
0600	610.0419	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH	LF	129.000	129.000
0610	610.0424	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	LF	171.000	171.000
0620	611.0530	MANHOLE COVERS TYPE J	EACH	12.000	12.000
0630	611.0545	MANHOLE COVERS TYPE L	EACH	1.000	1.000
0640	611.0606	INLET COVERS TYPE B	EACH	1.000	1.000
0650	611.0612	INLET COVERS TYPE C	EACH	1.000	1.000
0660	611.0624	INLET COVERS TYPE H	EACH	33.000	33.000
0670	611.0652	INLET COVERS TYPE T	EACH	1.000	1.000
0680	611.0666	INLET COVERS TYPE Z	EACH	2.000	2.000
0690	611.2004	MANHOLES 4-FT DIAMETER	EACH	6.000	6.000
0700	611.2006	MANHOLES 6-FT DIAMETER	EACH	5.000	5.000
0710	611.2008	MANHOLES 8-FT DIAMETER	EACH	1.000	1.000
0720	611.3003	INLETS 3-FT DIAMETER	EACH	3.000	3.000
0730	611.3004	INLETS 4-FT DIAMETER	EACH	6.000	6.000
0740	611.3230	INLETS 2X3-FT	EACH	20.000	20.000
0750	611.8110	ADJUSTING MANHOLE COVERS	EACH	2.000	2.000
0760	611.8120.S	COVER PLATES TEMPORARY	EACH	5.000	5.000
0770	616.0406	FENCE CHAIN LINK SALVAGED 6-FT	LF	420.000	420.000
0780	616.0700.S	FENCE SAFETY	LF	350.000	350.000
0790	619.1000	MOBILIZATION	EACH	1.000	1.000
0800	620.0200	CONCRETE MEDIAN BLUNT NOSE	SF	150.000	150.000
0810	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	465.000	465.000
0820	624.0100	WATER	MGAL	120.000	120.000
0830	625.0100	TOPSOIL	SY	12,349.000	12,349.000
0840	625.0105	TOPSOIL	CY	147.000	147.000
0850	627.0200	MULCHING	SY	3,369.000	3,369.000
0860	628.1504	SILT FENCE	LF	1,360.000	1,360.000
0870	628.1520	SILT FENCE MAINTENANCE	LF	2,720.000	2,720.000
0880	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	12.000	12.000
0890	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	6.000	6.000

3

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
0900	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	3,684.000	3,684.000
0910	628.7005	INLET PROTECTION TYPE A	EACH	3.000	3.000
0920	628.7015	INLET PROTECTION TYPE C	EACH	29.000	29.000
0930	628.7020	INLET PROTECTION TYPE D	EACH	67.000	67.000
0940	628.7560	TRACKING PADS	EACH	2.000	2.000
0950	629.0210	FERTILIZER TYPE B	CWT	4.500	4.500
0960	630.0140	SEEDING MIXTURE NO. 40	LB	126.000	126.000
0970	631.0300	SOD WATER	MGAL	269.000	269.000
0980	631.1000	SOD LAWN	SY	4,750.000	4,750.000
0990	632.0101	TREES (SPECIES, ROOT, SIZE) 01. IOWA JUNIPER, B&B, 5-FT HT	EACH	4.000	4.000
1000	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 01. BUSH CINQUEFOIL, CG, 2-FT HT	EACH	25.000	25.000
1010	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 02. FRAGRANT GRO-LOW SUMAC, CG, 2-FT HT	EACH	18.000	18.000
1020	632.9101	LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES	EACH	10.000	10.000
1030	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	13.000	13.000
1040	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	18.000	18.000
1050	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	6.000	6.000
1060	634.0622	POSTS WOOD 4X6-INCH X 22-FT	EACH	1.000	1.000
1070	634.0808	POSTS TUBULAR STEEL 2X2-INCH X 8-FT	EACH	8.000	8.000
1080	634.0809	POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT	EACH	6.000	6.000
1090	634.0811	POSTS TUBULAR STEEL 2X2-INCH X 11-FT	EACH	34.000	34.000
1100	634.0812	POSTS TUBULAR STEEL 2X2-INCH X 12-FT	EACH	12.000	12.000
1110	634.0814	POSTS TUBULAR STEEL 2X2-INCH X 14-FT	EACH	8.000	8.000
1120	637.0202	SIGNS REFLECTIVE TYPE II	SF	879.000	879.000
1130	638.2102	MOVING SIGNS TYPE II	EACH	1.000	1.000
1140	638.2602	REMOVING SIGNS TYPE II	EACH	143.000	143.000
1150	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	41.000	41.000
1160	642.5401	FIELD OFFICE TYPE D	EACH	1.000	1.000
1170	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5020-05-71	EACH	1.000	1.000
1180	643.0300	TRAFFIC CONTROL DRUMS	DAY	7,630.000	7,630.000
1190	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	8,895.000	8,895.000
1200	643.0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	EACH	133.000	133.000
1210	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	EACH	133.000	133.000
1220	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	13,170.000	13,170.000
1230	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	1,883.000	1,883.000
1240	643.0900	TRAFFIC CONTROL SIGNS	DAY	9,293.000	9,293.000
1250	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	1.000	1.000
1260	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	73.000	73.000
1270	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 5020-05-71	EACH	1.000	1.000
1280	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	24,001.000	24,001.000
1290	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	18,270.000	18,270.000
1300	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	185.000	185.000
1310	646.0156	PAVEMENT MARKING EPOXY 18-INCH	LF	110.000	110.000
1320	646.0600	REMOVING PAVEMENT MARKINGS	LF	2,450.000	2,450.000
1330	647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	EACH	4.000	4.000
1340	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	4.000	4.000
1350	647.0456	PAVEMENT MARKING CURB EPOXY	LF	60.000	60.000

3

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
1360	647.0556	PAVEMENT MARKING STOP LINE EPOXY 12-INCH	LF	130.000	130.000
1370	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	6.000	6.000
1380	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	95.000	95.000
1390	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	870.000	870.000
1400	647.0773	PAVEMENT MARKING CROSSWALK PAINT 12-INCH	LF	120.000	120.000
1410	647.0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	555.000	555.000
1420	649.0200	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	LF	4,745.000	4,745.000
1430	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	7,345.000	7,345.000
1440	649.0600	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 6-INCH	LF	120.000	120.000
1450	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	47.000	47.000
1460	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	4,347.000	4,347.000
1470	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	8,887.000	8,887.000
1480	650.7000	CONSTRUCTION STAKING CONCRETE PAVEMENT	LF	4,347.000	4,347.000
1490	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5020-05-71	LS	1.000	1.000
1500	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5020-05-71	LS	1.000	1.000
1510	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	3,936.000	3,936.000
1520	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	30.000	30.000
1530	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	4,382.000	4,382.000
1540	652.0605	CONDUIT SPECIAL 2-INCH	LF	25.000	25.000
1550	652.0700.S	INSTALL CONDUIT INTO EXISTING ITEM	EACH	2.000	2.000
1560	653.0140	PULL BOXES STEEL 24X42-INCH	EACH	17.000	17.000
1570	654.0105	CONCRETE BASES TYPE 5	EACH	35.000	35.000
1580	654.0200	CONCRETE CONTROL CABINET BASES TYPE 6	EACH	1.000	1.000
1590	655.0610	ELECTRICAL WIRE LIGHTING 12 AWG	LF	4,560.000	4,560.000
1600	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	9,337.000	9,337.000
1610	655.0620	ELECTRICAL WIRE LIGHTING 8 AWG	LF	13,029.000	13,029.000
1620	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. STATION 146+65, 30.5' LT.	LS	1.000	1.000
1630	657.0255	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	EACH	26.000	26.000
1640	657.0322	POLES TYPE 5-ALUMINUM	EACH	26.000	26.000
1650	657.0710	LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FT	EACH	26.000	26.000
1660	659.0115	LUMINAIRES UTILITY HPS 150 WATTS	EACH	26.000	26.000
1670	690.0150	SAWING ASPHALT	LF	1,671.000	1,671.000
1680	690.0250	SAWING CONCRETE	LF	773.000	773.000
1690	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	4,510.000	4,510.000
1700	999.1000.S	SEISMOGRAPH	LS	1.000	1.000
1710	999.1500.S	CRACK AND DAMAGE SURVEY	LS	1.000	1.000
1720	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5. 00/HR	HRS	2,000.000	2,000.000
1730	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	1,320.000	1,320.000
1740	SPV.0035	SPECIAL 01. SPECIAL TRENCH BEDDING	CY	100.000	100.000
1750	SPV.0045	SPECIAL 01. TEMPORARY CROSSWALK ACCESS	DAY	207.000	207.000
1760	SPV.0060	SPECIAL 01. UTILITY LINE OPENING (ULO)	EACH	16.000	16.000
1770	SPV.0060	SPECIAL 02. TEMPORARY CURB RAMP	EACH	1.000	1.000
1780	SPV.0060	SPECIAL 03. TEMPORARY INLET CASTING	EACH	4.000	4.000
1790	SPV.0060	SPECIAL 04. MANHOLE SPECIAL 7-FT X 10-FT	EACH	4.000	4.000

3

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
1800	SPV.0060	SPECIAL 05. RECONNECT STORM SEWER LATERALS	EACH	2.000	2.000
1810	SPV.0060	SPECIAL 06. TEMPORARY MAILBOX	EACH	7.000	7.000
1820	SPV.0060	SPECIAL 07. LIGHTING UNIT, BLACK FINISH	EACH	26.000	26.000
1830	SPV.0060	SPECIAL 08. LIGHTING CONTROL CABINET	EACH	1.000	1.000
1840	SPV.0060	SPECIAL 09. DECORATIVE LUMINAIRE AND POLE ASSEMBLY 15-FT	EACH	9.000	9.000
1850	SPV.0060	SPECIAL 10. REMOVE AND RESET MAILBOX	EACH	7.000	7.000
1860	SPV.0060	SPECIAL 11. CORING FOR POSTS WOOD	EACH	1.000	1.000
1870	SPV.0060	SPECIAL 12. ABANDON EXISTING WATER SERVICE AND CURB STOP	EACH	1.000	1.000
1880	SPV.0060	SPECIAL 13. REMOVE, SALVAGE, AND REINSTALL EXISTING HYDRANT	EACH	3.000	3.000
1890	SPV.0060	SPECIAL 14. NEW CASTING, REPLACE ADJ, WATERPROOF & ADJUST EXIST SANITARY MH < OR = TO 6"	EACH	11.000	11.000
1900	SPV.0060	SPECIAL 15. NEW CASTING, REPLACE ADJ, WATERPROOF & ADJUST EXISTING SANITARY MH > 6"	EACH	4.000	4.000
1910	SPV.0060	SPECIAL 16. WATER VALVE AND BOX 6-INCH COMPLETE	EACH	2.000	2.000
1920	SPV.0060	SPECIAL 17. WATER VALVE AND BOX 10-INCH COMPLETE	EACH	1.000	1.000
1930	SPV.0060	SPECIAL 18. DUCTILE IRON 45-DEGREE BEND, 10-INCH	EACH	8.000	8.000
1940	SPV.0060	SPECIAL 19. WATER 10X6-INCH TEE	EACH	1.000	1.000
1950	SPV.0060	SPECIAL 20. WATER 10-INCH TEE	EACH	1.000	1.000
1960	SPV.0060	SPECIAL 21. 1-INCH CORPORATION, CURB STOP, AND BOX	EACH	2.000	2.000
1970	SPV.0060	SPECIAL 22. CONNECT TO EXISTING WATER MAIN	EACH	6.000	6.000
1980	SPV.0060	SPECIAL 23. ADJUST EXISTING WATER VALVE BOX LESS THAN OR EQUAL TO 6-INCHES	EACH	26.000	26.000
1990	SPV.0060	SPECIAL 24. ADJUST EXISTING WATER VALVE BOX MORE THAN 6-INCHES	EACH	10.000	10.000
2000	SPV.0060	SPECIAL 25. ADJUST EXISTING WATER CURB STOP	EACH	11.000	11.000
2010	SPV.0060	SPECIAL 26. HYDRANT, COMPLETE	EACH	2.000	2.000
2020	SPV.0060	SPECIAL 27. ADJUST EXISTING HYDRANT	EACH	4.000	4.000
2030	SPV.0060	SPECIAL 28. REMOVE AND SALVAGE EXISTING HYDRANT	EACH	2.000	2.000
2040	SPV.0060	SPECIAL 29. REMOVE AND SALVAGE EXISTING HYDRANT AND VALVE/BOX	EACH	2.000	2.000
2050	SPV.0060	SPECIAL 30. ADJUST EXISTING SANITARY MANHOLE	EACH	11.000	11.000
2060	SPV.0060	SPECIAL 31. 10-INCH PLUG	EACH	1.000	1.000
2070	SPV.0060	SPECIAL 32. FLUOROCARBON GASKETS	EACH	15.000	15.000
2080	SPV.0060	SPECIAL 33. YARD HYDRANT	EACH	1.000	1.000
2090	SPV.0060	SPECIAL 34. STORM SEWER TAP	EACH	1.000	1.000
2100	SPV.0090	SPECIAL 01. CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL	LF	176.000	176.000
2110	SPV.0090	SPECIAL 02. CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL	LF	241.000	241.000
2120	SPV.0090	SPECIAL 03. CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL	LF	164.000	164.000
2130	SPV.0090	SPECIAL 04. RAILING PEDESTRIAN STEEL	LF	66.000	66.000

3

DATE 11FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5020-05-71 QUANTITY
2140	SPV.0090	SPECIAL 05. CONCRETE CURB & GUTTER HES 30-INCH TYPE A	LF	94.000	94.000
2150	SPV.0090	SPECIAL 06. CONCRETE CURB & GUTTER HES 30-INCH TYPE D	LF	34.000	34.000
2160	SPV.0090	SPECIAL 07. CONCRETE CURB & GUTTER HES INTEGRAL 30-INCH TYPE D	LF	504.000	504.000
2170	SPV.0090	SPECIAL 08. DUCTILE IRON WATER MAIN 6-INCH	LF	80.000	80.000
2180	SPV.0090	SPECIAL 09. DUCTILE IRON WATER MAIN 10-INCH	LF	138.000	138.000
2190	SPV.0090	SPECIAL 10. PVC WATER MAIN 10-INCH	LF	28.000	28.000
2200	SPV.0090	SPECIAL 11. 1-INCH COPPER WATER SERVICE	LF	80.000	80.000
2210	SPV.0090	SPECIAL 12. WATER MAIN ENCASEMENT	LF	128.000	128.000
2220	SPV.0090	SPECIAL 13. CONSTRUCTION STAKING ROUNDABOUT SIDEWALK	LF	833.000	833.000
2230	SPV.0105	SPECIAL 01. CONCRETE PAVEMENT JOINT LAYOUT	LS	1.000	1.000
2240	SPV.0105	SPECIAL 02. BOX CULVERT TOP SLAB MODIFICATIONS	LS	1.000	1.000
2250	SPV.0165	SPECIAL 01. RIGID INSULATION	SF	500.000	500.000
2260	SPV.0165	SPECIAL 02. COLORED CONCRETE PAVEMENT 8-INCH	SF	4,035.000	4,035.000
2270	SPV.0165	SPECIAL 03. STAMPED COLORED CONCRETE SIDEWALK 6-INCH	SF	5,365.000	5,365.000
2280	SPV.0165	SPECIAL 04. CONCRETE SIDEWALK 5-INCH, SQUARE SCORING PATTERN	SF	780.000	780.000
2290	SPV.0165	SPECIAL 05. ASPHALTIC SIDEWALK	SF	25.000	25.000
2300	SPV.0180	SPECIAL 01. TEMPORARY PAVEMENT	SY	1,552.000	1,552.000
2310	SPV.0180	SPECIAL 02. GEOGRID REINFORCEMENT	SY	7,041.000	7,041.000
2320	SPV.0195	SPECIAL 01. GRANULAR BACKFILL SPECIAL	TON	1,000.000	1,000.000
2330	SPV.0195	SPECIAL 02. EXCAVATION SEGREGATION HAULING AND DISPOSAL OF CONTAMINATED SOIL	TON	5.000	5.000

CLEARING & GRUBBING

CATEGORY	STATION	TO STATION	LOCATION	(201.0105) CLEARING STA.	(201.0120) CLEARING I.D.	(201.0205) GRUBBING STA.	(201.0220) GRUBBING I.D.
0020	160+33	160+60	RT	1	-	1	-
	161+01	161+39	RT	1	-	1	-
CATEGORY 0020 TOTALS				**2**	**0**	**2**	**0**
0030	502+87	-	LT	-	5	-	5
	503+88	-	RT	-	24	-	24
	504+85	-	RT	-	-	-	42
	505+02	-	RT	-	-	-	20
	505+18	-	RT	-	-	-	24
	505+34	-	RT	-	-	-	36
	505+70	-	RT	-	-	-	36
	505+97	-	LT	-	12	-	12
	506+53	-	LT	-	12	-	12
	507+74	-	LT	-	12	-	12
	507+98	-	RT	-	24	-	24
	138+30	-	LT	-	12	-	12
	138+51	-	LT	-	12	-	12
	140+20	-	RT	-	-	-	24
	140+32	-	RT	-	-	-	12
	140+97	-	RT	-	42	-	42
CATEGORY 0030 TOTALS				**0**	**155**	**0**	**349**
OVERALL PROJECT TOTALS				**2**	**155**	**2**	**349**

REMOVING PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	(204.0100) SY
0020	143+14	143+19	RT	4
	166+07	166+13	RT	4
CATEGORY 0020 TOTAL				**8**
0030	141+21	141+26	LT	4
CATEGORY 0030 TOTAL				**4**
OVERALL PROJECT TOTAL				**12**

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO STATION	LOCATION	(204.0110) SY
0020	147+78	148+34	RT	40
CATEGORY 0020 TOTAL				**40**
OVERALL PROJECT TOTAL				**40**

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION	TO STATION	(204.0120) SY
0010	509+68	513+25	1,582
	513+25	520+25	3,111
	520+25	524+00	1,667
	524+00	528+40	1,955
	528+48	532+76	2,131
CATEGORY 0010 TOTAL			**10,446**
OVERALL PROJECT TOTAL			**10,446**

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) LF
0020	142+50	142+79	RT	43
	142+50	148+00	LT	584
	143+17	148+00	RT	582
	148+00	153+40	LT	600
	148+00	153+42	RT	653
	153+78	158+97	RT	570
	153+83	160+57	LT	969
	159+06	159+69	RT	80
	160+09	165+72	RT	564
	160+52	162+81	LT	247
	163+01	167+80	LT	513
	166+16	167+80	RT	175
CATEGORY 0020 TOTAL				**5,580**
0030	501+14	506+50	LT	528
	501+14	502+75	RT	173
	503+13	506+50	RT	346
	507+50	509+68	LT	219
	507+50	509+68	RT	214
	510+00	510+21	LT	29
	510+03	510+11	RT	8
	136+98	139+24	LT	224
	136+98	139+22	RT	244
	139+64	142+50	RT	290
	139+77	142+50	LT	289
CATEGORY 0030 TOTAL				**2,564**
OVERALL PROJECT TOTAL				**8,144**

REMOVING CONCRETE BASES

CATEGORY	STATION	LOCATION	(204.0195) EACH	NOTES
0030	137+71	22' LT	1	DECORATIVE STREET LIGHT POLE
	138+85	23' RT	1	DECORATIVE STREET LIGHT POLE
	139+97	38' LT	2	CITY OF MAUSTON LION'S PARK SIGN
	506+50	14' RT	1	DECORATIVE STREET LIGHT POLE
	507+75	28' LT	1	DECORATIVE STREET LIGHT POLE
	508+44	17' RT	1	DECORATIVE STREET LIGHT POLE
	509+16	28' LT	1	DECORATIVE STREET LIGHT POLE
CATEGORY 0030 TOTAL			**8**	
OVERALL PROJECT TOTAL			**8**	

REMOVING DECORATIVE STREET LIGHT

CATEGORY	STATION	LOCATION	(204.9060.S.01) EACH
0030	137+71	22' LT	1
	138+85	23' RT	1
	506+50	14' RT	1
	507+75	28' LT	1
	508+44	17' RT	1
	509+16	28' LT	1
CATEGORY 0030 TOTAL			**6**
OVERALL PROJECT TOTAL			**6**

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) SY
0020	142+50	147+78	LT	243
	148+32	148+37	RT	3
	148+34	150+54	LT	102
	150+65	150+75	LT	4
	153+15	153+34	LT	9
	153+31	153+36	RT	2
	153+85	154+38	RT	23
	153+90	154+58	LT	32
	154+66	154+91	RT	14
	155+19	155+38	LT	10
	155+56	155+76	RT	9
	155+85	156+08	LT	12
	156+43	156+62	RT	11
	156+91	156+93	LT	1
	157+06	157+18	LT	5
	157+22	157+26	RT	2
	157+24	157+42	LT	10
	157+85	158+94	RT	61
	158+26	160+27	LT	177
	160+02	160+33	LT	14
	160+49	165+69	RT	288
	160+51	162+46	LT	117
	163+06	167+35	LT	266
	166+18	167+64	RT	84
CATEGORY 0020 TOTAL				**1,496**
0030	136+98	139+21	LT	135
	136+98	139+16	RT	121
	139+79	142+50	LT	146
	140+60	140+79	RT	31
	500+84	501+07	RT	19
	502+71	502+75	LT	1
	503+14	503+27	RT	7
	503+64	503+67	RT	3
	504+05	504+17	RT	7
	504+06	504+21	RT	13
	504+36	504+39	LT	4
	504+65	504+74	RT	5
	504+66	504+75	RT	9
	505+30	506+57	RT	98
	507+50	509+01	LT	92
	507+50	509+49	RT	120
	509+19	509+44	LT	14
	509+98	510+19	LT	13
	510+00	510+15	RT	8
CATEGORY 0030 TOTAL				**846**
OVERALL PROJECT TOTAL				**2,343**

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0020	145+83	19' LT	-	1
	145+83	23' RT	1	-
	147+68	118' RT	-	1
	147+91	83' RT	1	-
	148+06	146' RT	1	-
	148+89	29' RT	-	1
	149+07	66' RT	1	-
	151+62	22' LT	-	1
	151+62	21' RT	1	-
	154+09	21' RT	1	-
	154+09	21' LT	-	1
	158+71	21' RT	1	-
	158+71	22' LT	-	1
	159+93	78' LT	-	1
	160+11	64' LT	-	1
	162+35	27' LT	-	1
	162+56	40' LT	-	1
	163+28	26' LT	1	-
	163+28	26' RT	-	1
	165+55	15' RT	1	-
	165+55	26' RT	-	1
	166+10	18' RT	1	-
	166+11	29' LT	1	-
	166+13	9' RT	1	-
	166+19	24' LT	-	1
	166+29	26' RT	-	1
CATEGORY 0020 TOTALS			**12**	**14**
0030	138+94	17' RT	-	1
	138+95	5' RT	1	-
	138+96	31' LT	-	1
	141+39	18' RT	1	-
	141+41	24' LT	-	1
	506+42	6' RT	-	1
	506+55	32' LT	-	1
CATEGORY 0030 TOTALS			**2**	**5**
OVERALL PROJECT TOTALS			**14**	**19**

SEALING PIPES

CATEGORY	STATION	LOCATION	(204.0280) EACH	NOTES
0020	159+98	72' LT	1	MH EX.2
	160+02	72' LT	1	MH EX.2
CATEGORY 0020 TOTAL			**2**	
OVERALL PROJECT TOTAL			**2**	

OBLITERATING OLD ROAD

CATEGORY	STATION	TO STATION	(214.0100) STA.
0020	146+00	150+00	4
	MILWAUKEE STREET (EAST OF UNION STREET)		1
	MILWAUKEE STREET (WEST OF UNION STREET)		2
CATEGORY 0020 TOTAL			**7**
OVERALL PROJECT TOTAL			**7**

REMOVING STORM SEWER

CATEGORY	STATION	TO STATION	LOCATION	SIZE 01. (204.0245.01) 12-INCH OR LESS LF	SIZE 02. (204.0245.02) 15 TO 18-INCH LF	SIZE 03. (204.0245.03) 20 TO 27-INCH LF	SIZE 04. (204.0245.04) 30 TO 36-INCH LF	SIZE 05. (204.0245.05) 24 X 38-INCH LF
0020	145+83	145+83	LT & RT	42	-	-	-	-
	145+83	147+68	RT	-	240	-	-	-
	147+68	147+91	RT	46	-	-	-	-
	147+68	148+06	RT	-	60	-	-	-
	148+06	149+07	RT	-	154	-	-	-
	148+89	149+07	RT	42	-	-	-	-
	149+07	149+89	RT	-	100	-	-	-
	151+60	151+62	RT	-	-	2	-	-
	151+62	151+64	RT	-	-	2	-	-
	151+62	151+62	LT & RT	42	-	-	-	-
	152+97	154+09	RT	-	-	112	-	-
	154+09	154+09	LT & RT	42	-	-	-	-
	154+09	154+28	RT	-	19	-	-	-
	158+67	158+71	RT	-	3	-	-	-
	158+71	158+71	LT & RT	42	-	-	-	-
	159+93	160+00	LT	9	-	-	-	-
	160+00	160+11	LT	14	-	-	-	-
	162+35	162+56	LT	26	-	-	-	-
	162+56	163+28	LT	-	73	-	-	-
	163+28	163+28	LT & RT	50	-	-	-	-
	165+46	165+55	RT	-	9	-	-	-
	165+55	165+55	RT	11	-	-	-	-
	165+55	166+10	RT	-	55	-	-	-
	166+10	166+10	RT	-	-	-	-	6
	166+10	166+13	RT	-	-	-	-	10
	166+10	166+29	RT	20	-	-	-	-
	166+11	166+13	LT & RT	-	-	-	-	38
	166+11	166+19	LT	9	-	-	-	-
	166+13	167+70	RT	-	-	-	-	157
CATEGORY 0020 TOTALS				**395**	**713**	**116**	**0**	**211**
0030	138+46	138+95	RT	-	-	49	-	-
	138+95	138+94	RT	13	-	-	-	-
	138+95	138+96	RT & LT	36	-	-	-	-
	141+39	141+41	RT & LT	42	-	-	-	-
	141+39	141+52	RT	-	13	-	-	-
	142+24	142+28	RT	-	4	-	-	-
	506+42	506+55	RT & LT	41	-	-	-	-
	507+93	507+97	RT	-	-	-	4	-
CATEGORY 0030 TOTALS				**132**	**17**	**49**	**4**	**0**
OVERALL PROJECT TOTALS				**527**	**730**	**165**	**4**	**211**

REMOVING CHAIN LINK FENCE

CATEGORY	STATION	TO STATION	LOCATION	(204.9090.S.01) LF
0020	141+55	142+05	LT	55
	REMAINING FENCE FROM 'FENCE CHAIN LINK SALVAGED 6-FT' BID ITEM			115
CATEGORY 0020 TOTAL				**170**
OVERALL PROJECT TOTAL				**170**

FENCE CHAIN LINK SALVAGED 6-FT

CATEGORY	STATION	TO STATION	LOCATION	(616.0406) LF
0020	145+85	150+50	35' LT	420
CATEGORY 0020 TOTAL				**420**
OVERALL PROJECT TOTAL				**420**

NOTE: REMAINING EXISTNG FENCE TO BE PAID FOR UNDER 'REMOVING CHAIN LINK FENCE' BID ITEM.

EARTHWORK SUMMARY

Division	From / To Station	Location	Common Excavation (1) (item # 205.0100)		Salvaged / Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate + / - (14)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)				Factor 1.25			(item #208.0100)	
I.D. 5020-05-71												
Cat. 0020	142+50 - 167+80	GRAYSIVE AVENUE / UNION STREET	7,721	386	0	7,721	411	514	7,207	7,207	0	
Cat. 0030	136+78.57 - 142+50	GRAYSIDE AVENUE & ROUNDABOUT	4,028	0	0	4,028	14	18	4,010	4,010	0	
Cat. 0030	500+94 - 505+00	DIVISION STREET	989	0	0	989	10	12	976	976	0	
Cat. 0030	508+50 - 509+68.26	DIVISION STREET	532	0	0	532	2	2	530	530	0	
PROJECT TOTAL			13,270	386	0	11,749	425	531	11,218	11,218	0	

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

REMOVE AND RESET MAILBOX

CATEGORY	STATION	LOCATION	(SPV.0060.10) EACH
0030	503+85	RT	4
	504+25	RT	1
	504+80	RT	1
	505+90	RT	1
	CATEGORY 0030 TOTAL		**7**
	OVERALL PROJECT TOTAL		**7**

TEMPORARY MAILBOX

CATEGORY	DESCRIPTION	(SPV.0060.06) EACH
0030	NORTHEAST CORNER DIVISION STREET / GENEVIEVE STREET	7
	CATEGORY 0030 TOTAL	**7**
	OVERALL PROJECT TOTAL	**7**

BASE AGGREGATE DENSE 3/4-INCH

CATEGORY	STATION	TO STATION	LOCATION	(305.0110) TON
0020	UNDISTRIBUTED (DRIVEWAYS)			1
	CATEGORY 0020 TOTAL			**1**
0030	UNDISTRIBUTED (DRIVEWAYS)			1
	CATEGORY 0030 TOTAL			**1**
	OVERALL PROJECT TOTAL			**2**

BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION	TO STATION	LOCATION	(305.0120) TON
0010	UNDISTRIBUTED			150
	CATEGORY 0010 TOTAL			**150**
0020	142+50	143+50	LT & RT	263
	143+50	150+55	LT & RT	1,225
	150+66	153+00	LT & RT	377
	153+00	154+25	LT & RT	514
	154+25	158+50	LT & RT	701
	158+50	162+00	LT & RT	1,116
	162+00	163+50	LT & RT	382
	163+50	165+50	LT & RT	370
	165+50	166+50	LT & RT	267
	166+50	167+80	LT & RT	231
	501+00	502+72	RT	16
	501+54	503+70	LT	20
	503+17	503+27	RT	1
	503+86	504+50	LT	6
	UNDISTRIBUTED (STAGING)			540
	CATEGORY 0020 TOTAL			**6,029**
0030	136+79	138+00	LT & RT	287
	138+00	141+00	LT & RT	1,385
	141+00	142+50	LT & RT	377
	500+13	502+50	LT & RT	286
	502+50	503+50	LT & RT	226
	503+50	505+50	LT & RT	339
	508+50	510+25	LT & RT	254
	UNDISTRIBUTED (STAGING)			315
	CATEGORY 0030 TOTAL			**3,469**
	OVERALL PROJECT TOTAL			**9,648**

SELECT CRUSHED MATERIAL

CATEGORY	STATION	TO STATION	(312.0110) TON	(SPV.0180.02) GEOGRID REINFORCEMENT SY
0020	146+00	150+00	1,063	1,822
	UNDISTRIBUTED		25	43
	CATEGORY 0020 TOTAL		**1,088**	**1,866**
0030	136+99	138+00	326	559
	138+00	141+00	2,046	3,508
	141+00	142+00	286	490
	508+50	509+68	360	617
	CATEGORY 0030 TOTAL		**3,019**	**5,175**
	OVERALL PROJECT TOTAL		**4,107**	**7,040**

EXCAVATION, SEGREGATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0195.02) TON
0060	165+50	165+80	RT	5
	CATEGORY 0060 TOTAL			**5**
	OVERALL PROJECT TOTAL			**5**

WALL MODULAR BLOCK GRAVITY

CATEGORY	STATION	TO STATION	LOCATION	(532.0200.S) SF
0030	10+49"SW"	11+85"SW"	RT	120
	CATEGORY 0030 TOTAL			**120**
	OVERALL PROJECT TOTAL			**120**

HMA PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	(455.0105) ASPHALTIC MATERIAL PG-58-28 TON	(455.0605) TACK COAT GAL	(460.1103) HMA PAVEMENT TYPE E-3 TON	(465.0105) ASPHALTIC SURFACE TON	NOTES
0010	509+68	513+25	LT & RT	10	39.6	182	0	DIVISION STREET
	513+25	520+25	LT & RT	20	77.8	358	0	DIVISION STREET
	520+25	524+00	LT & RT	11	41.7	192	0	DIVISION STREET
	524+00	528+40	LT & RT	12	48.9	225	0	DIVISION STREET
	528+48	532+76	LT & RT	13	53.3	245	0	DIVISION STREET
CATEGORY 0010 TOTALS				**66**	**261**	**1,201**	**0**	
0020	142+81	143+15	RT	0	1.9	0	22	HICKORY STREET
	145+02	145+26	RT	0	0.3	0	2	DRIVEWAY
	147+94	148+17	RT	0	1.0	0	7	DRIVEWAY
	153+40	153+84	LT	0	2.1	0	25	VINE STREET
	153+51	153+73	RT	0	0.6	0	7	VINE STREET
	157+86	158+01	RT	0	0.1	0	1	DRIVEWAY
	158+74	158+88	LT	0	0.2	0	1	DRIVEWAY
	159+25	160+20	LT & RT	5	6.3	86	0	RAILROAD CROSSING APPROACH
	160+03	160+97	LT & RT	5	6.2	85	0	RAILROAD CROSSING APPROACH
	160+29	160+55	LT	0	2.3	0	26	MILWAUKEE STREET
	161+57	161+92	RT	0	1.5	0	10	DRIVEWAY
	161+79	162+15	LT	0	0.4	0	3	DRIVEWAY
	162+83	163+19	LT	0	1.7	0	20	WASHINGTON STREET
	163+63	163+98	RT	0	0.2	0	1	DRIVEWAY
	163+64	163+86	LT	0	0.3	0	2	DRIVEWAY
	165+74	166+14	RT	0	2.2	0	26	PRAIRIE STREET
UNDISTRIBUTED				0	2.5	0	15	
CATEGORY 0020 TOTALS				**9**	**30**	**172**	**168**	
0030	136+79	136+99	LT & RT	2	2.2	31	0	GRAYSIDE AVENUE
	137+24	137+37	LT	0	0.0	0	0	DRIVEWAY
	137+88	138+00	LT	0	0.1	0	1	DRIVEWAY
	140+00	142+05	LT	0	12.5	0	87	PARKING LOT
	141+17	141+32	RT	0	0.2	0	1	DRIVEWAY
	500+13	500+32	RT	0	0.5	0	4	DRIVEWAY
	500+60	500+78	RT	0	0.5	0	3	DRIVEWAY
	500+94	501+14	LT & RT	1	1.7	24	0	DIVISION STREET
	501+38	501+54	LT	0	0.1	0	1	DRIVEWAY
	502+76	503+12	RT	0	2.0	0	23	GENEVIEVE STREET
	503+70	503+86	LT	0	0.2	0	1	DRIVEWAY
	505+42	505+55	LT	0	0.1	0	1	DRIVEWAY
	505+68	505+80	RT	0	0.1	0	1	DRIVEWAY
	508+30	508+42	LT	0	0.4	0	3	DRIVEWAY
	510+00	510+25	LT	0	0.2	0	2	ELMBERTA STREET
UNDISTRIBUTED				0	2.1	0	13	
CATEGORY 0030 TOTALS				**3**	**23**	**55**	**141**	
OVERALL PROJECT TOTALS				**79**	**314**	**1,428**	**308**	

CONCRETE PAVEMENT 8-INCH

CATEGORY	STATION	TO STATION	(415.0080) SY	(415.1080) HES 8-INCH SY
0020	142+50	143+50	489	-
	143+50	150+55	2,507	-
	150+66	153+00	831	-
	153+00	154+17	1,080	-
	154+23	159+49	1,847	-
	160+74	162+30	518	-
	162+36	165+55	1,331	-
	165+61	166+32	357	-
	166+38	167+80	503	-
CATEGORY 0020 TOTALS			**9,463**	**0**
0030	136+99	138+55	678	-
	138+65	140+51	1,438	-
	140+61	142+50	715	-
	501+14	506+00	1,872	-
	508+06	509+68	670	-
UNDISTRIBUTED			-	270
CATEGORY 0030 TOTALS			**5,372**	**270**
OVERALL PROJECT TOTALS			**14,836**	**270**

CONCRETE PAVEMENT JOINT LAYOUT

CATEGORY	DESCRIPTION	(SPV.0105.01) LS
0020	PROJECT 5020-05-71	1
CATEGORY 0020 TOTAL		**1**
OVERALL PROJECT TOTAL		**1**

DRILLED DOWEL BARS

CATEGORY	STATION	LOCATION	(416.0620) EACH
0020	167+80	LT & RT	31
CATEGORY 0020 TOTAL			**31**
OVERALL PROJECT TOTAL			**31**

CONCRETE DRIVEWAY 7-INCH

CATEGORY	STATION	LOCATION	(416.0170) SY	(416.0270) HES 7-INCH SY
0020	145+14	RT	28	-
	145+15	LT	26	-
	148+00	RT	15	-
	154+47	LT	21	-
	154+80	RT	23	-
	155+29	LT	15	-
	155+67	RT	14	-
	155+97	LT	17	-
	156+55	RT	16	-
	157+13	LT	52	-
	157+33	LT	24	-
	157+94	RT	23	-
	158+36	LT	28	-
	158+81	LT	21	-
	MILWAUKEE STREET		10	-
	161+75	RT	51	-
	161+97	LT	53	-
	162+58	RT	27	-
	163+75	LT	33	-
	163+80	RT	51	-
	165+14	LT	26	-
	166+68	RT	39	-
	167+13	LT	30	-
	167+44	RT	45	-
	UNDISTRIBUTED		-	70
CATEGORY 0020 TOTALS			**689**	**70**
0030	137+31	LT	-	15
	137+96	LT	10	-
	141+25	RT	15	-
	141+90	LT	50	-
	500+95	RT	20	-
	501+46	LT	27	-
	503+78	LT	28	-
	504+10	RT	22	-
	504+70	RT	17	-
	505+49	LT	18	-
	505+74	RT	26	-
	508+37	LT	19	-
	508+61	RT	46	-
	509+37	LT	11	-
UNDISTRIBUTED			-	30
CATEGORY 0030 TOTALS			**310**	**45**
PROJECT TOTALS			**999**	**115**

NOTE: TIE BARS INCIDENTAL TO CONCRETE DRIVEWAY 7-INCH

TEMPORARY PAVEMENT

CATEGORY	STAGE	STATION	TO STATION	LOCATION	(SPV.0180.01) SY
0030	1A	504+75	506+77	LT	216
	1B	500+17	502+75	RT	271
		503+13	506+28	RT	431
		506+53	506+67	RT	13
	1C	501+10	505+57	RT	164
		506+06	506+26	RT	17
	2	505+57	506+41	RT	114
		506+57	507+01	RT	30
		507+22	508+05	RT	71
		507+62	508+78	LT	121
		508+20	508+95	RT	63
	3	507+73	507+87	LT	42
CATEGORY 0030 TOTAL					**1,552**
OVERALL PROJECT TOTAL					**1,552**

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	(465.0315) SY	(465.0310) ASPHALTIC CURB LF
0020	153+82	66' LT	5	18
CATEGORY 0020 TOTALS			**5**	**18**
OVERALL PROJECT TOTALS			**5**	**18**

COLORED CONCRETE PAVEMENT 8-INCH

CATEGORY	DESCRIPTION	(SPV.0165.02) SF
0070	GRAYSIDE AVENUE & DIVISION STREET ROUNDABOUT WEST APPROACH CROSSWALKS (2)	350
	GRAYSIDE AVENUE & DIVISION STREET ROUNDABOUT NORTH APPROACH CROSSWALKS (2)	335
	GRAYSIDE AVENUE & DIVISION STREET ROUNDABOUT EAST APPROACH CROSSWALKS (2)	335
	GRAYSIDE AVENUE & DIVISION STREET ROUNDABOUT SOUTH APPROACH CROSSWALKS (2)	340
	GRAYSIDE AVENUE / HICKORY STREET CROSSWALK	300
	UNION STREET / VINE STREET CROSSWALKS (3)	980
	UNION STREET / WASHINGTON STREET CROSSWALKS (2)	590
	UNION STREET / PRAIRIE STREET CROSSWALKS (3)	805
CATEGORY 0070 TOTAL		**4,035**
OVERALL PROJECT TOTAL		**4,035**

CONCRETE PAVEMENT GAPS

CATEGORY	DESCRIPTION	(415.0210) EACH
0020	UNDISTRIBUTED	4
	CATEGORY 0020 TOTAL	**4**
0030	GRAYSIDE AVENUE / GENEVIEVE STREET - STAGE 1B	1
	DRIVEWAY 501+46, LT - STAGE 1C	1
	DRIVEWAY 503+78, LT - STAGE 1C	1
	CATEGORY 0030 TOTAL	**3**
	OVERALL PROJECT TOTAL	**7**

CONCRETE ROUNDABOUT TRUCK APRON 8-INCH

CATEGORY	DESCRIPTION	(416.0508) SY	(405.0100) COLORING CONCRETE RED CY
0030	GRAYSIDE AVENUE / DIVISION STREET	372	83
	CATEGORY 0030 TOTALS	**372**	**83**
	OVERALL PROJECT TOTALS	**372**	**83**

STAMPED COLORED CONCRETE SIDEWALK 6-INCH

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0165.03) SF
0070	137+37	137+88	LT	130
	10+00"NW"	10+18"NW"	LT	28
	10+22"NW"	10+54"NW"	LT	69
	10+64"NW"	11+57"NW"	LT	270
	11+68"NW"	11+85"NW"	LT	69
	NORTH APPROACH SPLITTER ISLAND			416
	508+76	509+30	RT	198
	10+06"NE"	10+43"NE"	LT	172
	10+53"NE"	11+60"NE"	LT	550
	EAST APPROACH SPLITTER ISLAND			456
	10+32"SE"	10+43"SE"	RT	66
	10+54"SE"	11+58"SE"	RT	504
	11+68"SE"	11+97"SE"	RT	104
	11+99"SE"	141+14	RT	39
	SOUTH APPROACH SPLITTER ISLAND			345
	137+68	10+48"SW"	RT	375
	10+59"SW"	11+56"SW"	RT	348
	11+66"SW"	11+88"SW"	RT	85
	11+85"SW"	12+08"SW"	RT	95
	WEST APPROACH SPLITTER ISLAND			507
	158+99	159+90	MEDIAN	272
	160+33	161+23	MEDIAN	267
	CATEGORY 0070 TOTAL			**5,365**
	OVERALL PROJECT TOTAL			**5,365**

CONCRETE SIDEWALK 5-INCH, SQUARE SCORING PATTERN

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0165.04) SF
0030	ROUNDABOUT CENTER CIRCLE			780
	CATEGORY 0030 TOTAL			**780**
	OVERALL PROJECT TOTAL			**780**

CONCRETE SIDEWALK 5-INCH

CATEGORY	STATION	TO STATION	LOCATION	(602.0410) SF
0020	142+50	145+07	LT	1,285
	142+50	142+73	RT	110
	143+23	145+02	RT	1,230
	145+23	150+54	LT	2,460
	145+26	147+94	RT	1,440
	148+05	150+56	RT	1,360
	150+65	150+75	LT	50
	150+68	153+24	RT	1,280
	153+15	153+33	LT	70
	153+81	154+38	LT	335
	153+92	154+38	RT	245
	156+93	157+06	LT	40
	158+01	161+57	RT	1,780
	158+42	158+74	LT	160
	158+88	161+79	LT	2,275
	161+92	162+50	RT	340
	162+15	162+48	LT	225
	162+65	163+63	RT	475
	163+04	163+65	LT	305
	163+86	165+07	LT	1,250
	163+98	165+70	RT	875
	165+20	167+02	LT	1,190
	166+18	166+56	RT	320
	166+80	167+36	RT	280
	167+22	167+35	LT	85
	501+00	502+74	RT	880
	501+54	503+70	LT	1,080
	503+14	503+27	RT	70
	503+86	504+50	LT	325
	CATEGORY 0020 TOTAL			**21,820**
0030	136+98	505+55	RT & LT	2,355
	504+50	505+43	LT	455
	136+98	137+24	LT	125
	137+37	137+88	LT	255
	138+00	508+30	LT	1,410
	508+41	509+01	LT	495
	509+97	510+19	LT	150
	510+00	510+15	RT	115
	508+76	509+49	RT	545
	508+45	141+74	RT & LT	2,140
	142+05	142+50	LT	225
	505+18	505+68	RT	360
	505+84	141+17	RT	1,475
	141+32	142+50	RT	575
	WEST APPROACH SPLITTER ISLAND			145
	NORTH APPROACH SPLITTER ISLAND			135
	EAST APPROACH SPLITTER ISLAND			140
	SOUTH APPROACH SPLITTER ISLAND			125
	CATEGORY 0030 TOTAL			**11,225**
	OVERALL PROJECT TOTAL			**33,045**

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION	TO STATION	LOCATION	(601.0600) LF
0020	159+52	159+67	LT	15
	CATEGORY 0020 TOTAL			**15**
0030	WEST APPROACH SPLITTER ISLAND			29
	NORTH APPROACH SPLITTER ISLAND			27
	EAST APPROACH SPLITTER ISLAND			28
	SOUTH APPROACH SPLITTER ISLAND			26
	CATEGORY 0030 TOTAL			**110**
	OVERALL PROJECT TOTAL			**125**

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	DESCRIPTION	(620.0300) SF
0030	WEST APPROACH SPLITTER ISLAND	110
	NORTH APPROACH SPLITTER ISLAND	120
	EAST APPROACH SPLITTER ISLAND	110
	SOUTH APPROACH SPLITTER ISLAND	125
	CATEGORY 0030 TOTAL	**465**
	OVERALL PROJECT TOTAL	**465**

CONCRETE MEDIAN BLUNT NOSE

CATEGORY	STATION	TO STATION	LOCATION	(620.0200) SF
0020	158+93	158+99	LT & RT	37
	159+90	159+96	LT & RT	42
	160+27	160+33	LT & RT	42
	161+23	161+29	LT & RT	29
	CATEGORY 0020 TOTAL			**150**
	OVERALL PROJECT TOTAL			**150**

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION	LOCATION	(602.0515) SF
0020	142+70	RT	8
	143+27	RT	8
	153+21	RT	8
	153+29	LT	8
	153+85	LT	8
	154+00	RT	8
	154+20	LT	8
	154+20	RT	8
	159+72	RT	8
	160+02	RT	8
	160+21	LT	8
	160+51	LT	8
	162+33	LT	8
	162+33	RT	8
	162+43	LT	8
	163+06	LT	8
	165+58	LT	8
	165+58	RT	8
	165+69	RT	8
	166+21	RT	8
	166+34	LT	8
	166+34	RT	8
	502+73	RT	8
	503+15	RT	8
	CATEGORY 0020 TOTAL		**192**
0030	10+54"SW"	RT	16
	138+58	LT	16
	138+60	LT	16
	10+59"NW"	LT	16
	11+63"NW"	LT	16
	508+00	RT	16
	508+03	RT	16
	10+48"NE"	LT	16
	510+07	LT	8
	510+07	RT	8
	510+17	LT	8
	11+64"NE"	LT	16
	140+56	RT	16
	140+59	RT	16
	11+63"SE"	RT	16
	10+48"SE"	RT	16
	506+03	LT	16
	506+06	LT	16
	11+61"SW"	RT	16
	CATEGORY 0030 TOTAL		**280**
	OVERALL PROJECT TOTAL		**472**

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0405) 18-INCH TYPE A LF	(SPV.0090.01) 24-INCH TYPE A SPECIAL LF	(SPV.0090.02) 24-INCH TYPE D SPECIAL LF	(601.0409) 30-INCH TYPE A LF	(SPV.0090.05) HES 30-INCH TYPE A LF	(601.0411) 30-INCH TYPE D LF	(SPV.0090.06) HES 30-INCH TYPE D LF	(SPV.0090.03) 36-INCH TYPE A SPECIAL LF	(601.0452) INTEGRAL 30-INCH TYPE D LF	(SPV.0090.07) HES INTEGRAL 30-INCH TYPE D LF	(601.0580) 4-INCH SLOPED 36-INCH TYPE R LF	(650.5500) CONSTRUCTION STAKING LF
0020	142+50	142+59	RT	-	-	-	45	-	-	-	-	-	-	-	45
	142+50	150+54	LT	-	-	-	-	-	-	-	-	777	-	-	777
	143+17	143+46	RT	-	-	-	46	-	-	-	-	-	-	-	46
	143+46	150+56	RT	-	-	-	-	-	-	-	-	738	-	-	738
	150+65	153+07	LT	-	-	-	-	-	-	-	-	242	-	-	242
	150+67	153+00	RT	-	-	-	-	-	-	-	-	233	-	-	233
	153+00	153+36	RT	-	-	-	-	-	-	-	59	-	-	-	59
	153+07	153+35	LT	-	-	-	55	-	-	-	-	-	-	-	55
	153+78	154+66	RT	-	-	-	-	-	-	-	105	-	-	-	105
	153+78	154+24	LT	-	-	-	74	-	-	-	-	-	-	-	74
	154+24	158+57	LT	-	-	-	-	-	-	-	-	433	-	-	433
	154+66	158+57	RT	-	-	-	-	-	-	-	-	391	-	-	391
	158+57	159+49	RT	-	-	-	92	-	-	-	-	-	-	-	92
	158+57	159+25	LT	-	-	-	68	-	-	-	-	-	-	-	68
	158+94	159+49	LT & RT (MEDIAN)	-	88	-	-	-	-	-	-	-	-	-	88
	159+25	160+14	LT	-	-	-	-	-	91	-	-	-	-	-	91
	159+25	159+95	LT & RT (MEDIAN)	-	-	121	-	-	-	-	-	-	-	-	121
	159+49	159+82	RT	-	-	-	-	-	33	-	-	-	-	-	33
	160+09	160+74	RT	-	-	-	-	-	65	-	-	-	-	-	65
	160+27	160+57	LT (MILWAUKEE STREET)	-	-	-	-	-	94	-	-	-	-	-	94
	160+28	160+97	LT & RT (MEDIAN)	-	-	120	-	-	-	-	-	-	-	-	120
	160+41	160+97	LT	-	-	-	-	-	56	-	-	-	-	-	56
	160+74	161+29	LT & RT (MEDIAN)	-	88	-	-	-	-	-	-	-	-	-	88
	160+74	161+55	RT	-	-	-	82	-	-	-	-	-	-	-	82
	160+97	161+55	LT	-	-	-	57	-	-	-	-	-	-	-	57
	161+55	162+28	LT	-	-	-	-	-	-	-	-	74	-	-	74
	161+55	162+29	RT	-	-	-	-	-	-	-	-	74	-	-	74
	162+29	162+37	RT	-	-	-	8	-	-	-	-	-	-	-	8
	162+29	162+81	LT	-	-	-	77	-	-	-	-	-	-	-	77
	162+37	165+48	RT	-	-	-	-	-	-	-	-	303	-	-	303
	163+08	163+21	LT	-	-	-	43	-	-	-	-	-	-	-	43
	163+21	165+54	LT	-	-	-	-	-	-	-	-	241	-	-	241
	165+48	165+72	RT	-	-	-	38	-	-	-	-	-	-	-	38
	165+54	165+62	LT	-	-	-	8	-	-	-	-	-	-	-	8
	165+62	166+30	LT	-	-	-	-	-	-	-	-	69	-	-	69
	166+16	166+39	RT	-	-	-	37	-	-	-	-	-	-	-	37
	166+30	166+38	LT	-	-	-	8	-	-	-	-	-	-	-	8
	166+38	167+80	LT	-	-	-	-	-	-	-	-	142	-	-	142
	166+39	167+80	RT	-	-	-	-	-	-	-	-	141	-	-	141
		UNDISTRIBUTED		-	-	-	-	74	-	34	-	-	386	-	-
		CATEGORY 0020 TOTALS		**0**	**176**	**241**	**738**	**74**	**339**	**34**	**164**	**3,858**	**386**	**0**	**5,516**
0030	136+98	509+68	LT	-	-	-	410	20	-	-	-	-	-	-	430
	136+98	505+89	RT & LT	-	-	-	271	-	-	-	-	-	-	-	271
	505+57	140+77	RT	-	-	-	169	-	-	-	-	-	-	-	169
	509+68	141+01	RT & LT	-	-	-	318	-	-	-	-	-	-	-	318
	140+77	142+50	RT	-	-	-	-	-	-	-	-	177	-	-	177
	141+01	142+50	LT	-	-	-	-	-	-	-	-	150	-	-	150
	501+05	501+14	RT	-	-	-	-	-	9	-	-	-	-	-	9
	501+14	505+89	LT	-	-	-	-	-	-	-	-	480	-	-	480
	501+14	502+56	RT	-	-	-	-	-	-	-	-	142	-	-	142
	502+56	502+75	RT	-	-	-	29	-	-	-	-	-	-	-	29
	503+14	503+32	RT	-	-	-	29	-	-	-	-	-	-	-	29
	503+32	505+57	RT	-	-	-	-	-	-	-	-	226	-	-	226
	510+00	510+21	LT	-	-	-	-	-	28	-	-	-	-	-	28
	510+03	510+11	RT	-	-	-	-	-	8	-	-	-	-	-	8
		WEST APPROACH SPLITTER ISLAND		-	-	-	119	-	-	-	-	-	-	-	119
		NORTH APPROACH SPLITTER ISLAND		-	-	-	92	-	-	-	-	-	-	-	92
		EAST APPROACH SPLITTER ISLAND		-	-	-	101	-	-	-	-	-	-	-	101
		SOUTH APPROACH SPLITTER ISLAND		-	-	-	77	-	-	-	-	-	-	-	77
		ROUNDABOUT CENTER CIRCLE		211	-	-	-	-	-	-	-	-	-	305	516
		UNDISTRIBUTED		-	-	-	-	-	-	-	-	-	118	-	-
		CATEGORY 0030 TOTALS		**211**	**0**	**0**	**1,615**	**20**	**45**	**0**	**0**	**1,175**	**118**	**305**	**3,371**
		OVERALL PROJECT TOTALS		**211**	**176**	**241**	**2,353**	**94**	**384**	**34**	**164**	**5,033**	**503**	**305**	**8,887**

NOTE: TIE BARS INCIDENTAL TO CONCRETE CURB & GUTTER TYPE A

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	STRUCTURE I.D. FROM	STRUCTURE I.D. TO	(608.0312) CLASS III 12-INCH LF	(608.0318) CLASS III 18-INCH LF	(608.0324) CLASS III 24-INCH LF	(608.0412) CLASS IV 12-INCH LF	(608.0418) CLASS IV 18-INCH LF	(608.0421) CLASS IV 21-INCH LF	(610.0419) HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH LF	(610.0424) HORIZONTAL ELLIPTICAL CLASS HE-IV 24x38-INCH LF
0020	7.0	7.1	6	-	-	-	-	-	-	-
	7.0	8.0	-	-	-	-	210	-	-	-
	7.1	7.2	-	-	-	35	-	-	-	-
	8.0	9.0	-	-	-	-	170	-	-	-
	9.0	9.1	-	-	-	35	-	-	-	-
	9.0	10.0	-	-	-	-	49	-	-	-
	11.0	11.1	35	-	-	-	-	-	-	-
	12.0	12.1	-	-	-	35	-	-	-	-
	12.0	13.0	-	-	-	-	-	130	-	-
	13.0	13.1	-	-	-	38	-	-	-	-
	13.1	13.2	-	-	-	20	-	-	-	-
	14.0	14.1	37	-	-	-	-	-	-	-
	14.1	14.2	45	-	-	-	-	-	-	-
	14.2	14.3	24	-	-	-	-	-	-	-
	15.0	15.1	-	73	-	-	-	-	-	-
	15.0	15.4	9	-	-	-	-	-	-	-
	15.1	15.2	38	-	-	-	-	-	-	-
	15.2	15.3	-	-	-	35	-	-	-	-
	15.2	15.5	112	-	-	-	-	-	-	-
	16.0	17.0	-	-	-	-	-	-	35	-
	16.0	18.0	-	-	-	-	-	-	65	-
	18.0	19.0	-	-	-	-	-	-	29	-
	18.0	EX.3	-	-	-	-	-	-	-	159
	18.0	CONNECTION	-	-	-	-	-	-	-	12
	18.1	CONNECTION	18	-	-	-	-	-	-	-
	19.0	CONNECTION	14	-	-	-	-	-	-	-
	20.0	20.1	26	-	-	-	-	-	-	-
CATEGORY 0020 TOTALS			**364**	**73**	**0**	**198**	**429**	**130**	**129**	**171**
0030	1.0	1.1	50	-	-	-	-	-	-	-
	1.0	2.0	-	-	29	-	-	-	-	-
	2.0	CONNECTION	-	-	21	-	-	-	-	-
	2.0	2.1	12	-	-	-	-	-	-	-
	3.0	CONNECTION	-	52	-	-	-	-	-	-
	3.0	3.1	46	-	-	-	-	-	-	-
	4.0	4.1	-	-	-	36	-	-	-	-
	4.0	4.2	-	-	-	24	-	-	-	-
	4.2	4.3	-	-	-	53	-	-	-	-
	5.0	5.1	102	-	-	-	-	-	-	-
	6.0	6.1	-	-	-	34	-	-	-	-
CATEGORY 0030 TOTALS			**210**	**52**	**50**	**147**	**0**	**0**	**0**	**0**
OVERALL PROJECT TOTALS			**574**	**125**	**50**	**345**	**429**	**130**	**129**	**171**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.01) EACH	DESCRIPTION
0020	146+93	6' RT	1	ELECTRIC
	149+09	11' RT	1	GAS
	149+45	6' RT	1	GAS
	154+09	27' LT	1	GAS
	159+14	19' LT	1	GAS
	162+36	24' LT	1	GAS
	163+28	22' LT	1	GAS
	165+46	9' RT	1	SANITARY
	166+12	3' RT	1	SANITARY
	166+12	20' LT	1	GAS
CATEGORY 0020 TOTAL			**10**	
0030	138+86	28' RT	1	GAS
	141+17	23' RT	1	GAS
	505+65	17' LT	1	GAS
	505+69	10' LT	1	TELEPHONE
	506+32	5' RT	1	GAS
	507+90	20' LT	1	TELEPHONE
CATEGORY 0030 TOTAL			**6**	
OVERALL PROJECT TOTAL			**16**	

CONCRETE COLLARS FOR PIPE

CATEGORY	STATION	LOCATION	(520.8000) EACH
0020	166+11	31' LT	1
	166+11	24' RT	1
CATEGORY 0020 TOTAL			**2**
0030	138+95	11' RT	1
	506+42	12' RT	1
CATEGORY 0030 TOTAL			**2**
OVERALL PROJECT TOTAL			**4**

STORM SEWER TAP

CATEGORY	STATION	LOCATION	(SPV.0060.34) EACH
0020	166+11	35' RT	1
CATEGORY 0020 TOTAL			**1**
OVERALL PROJECT TOTAL			**1**

BOX CULVERT TOP SLAB MODIFICATIONS

CATEGORY	STATION	(SPV.0105.02) LS
0020	150+60	1
CATEGORY 0020 TOTAL		**1**
OVERALL PROJECT TOTAL		**1**

RAILING PEDESTRIAN STEEL

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.04) LF
0020	150+42	150+76	LT	33
	150+46	150+79	RT	33
CATEGORY 0020 TOTAL				**66**
OVERALL PROJECT TOTAL				**66**

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	LOCATION	(611.8110) EACH	* (611.8120.S) COVER PLATES TEMPORARY EACH
0020	167+70	10' RT	1	1
CATEGORY 0020 TOTAL			**1**	**1**
0030	139+71	15' RT	1	1
CATEGORY 0030 TOTAL			**1**	**1**
OVERALL PROJECT TOTAL			**2**	**2**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

RECONNECT STORM SEWER LATERALS

CATEGORY	STATION	LOCATION	(SPV.0060.05) EACH
0020	UNDISTRIBUTED		2
CATEGORY 0020 TOTAL			**2**
OVERALL PROJECT TOTAL			**2**

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.2008) MANHOLES 8-FT DIAMETER EACH	(SPV.0060.04) MANHOLE SPECIAL 7-FT X 10-FT EACH	(611.3003) INLETS 3-FT DIAMETER EACH	(611.3004) INLETS 4-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(611.0530) MANHOLE COVERS TYPE J EACH	(611.0545) MANHOLE COVERS TYPE L EACH	(611.0606) INLETS COVERS TYPE B EACH	(611.0612) INLET COVERS TYPE C EACH	(611.0624) INLET COVERS TYPE H EACH	(611.0652) INLET COVERS TYPE T EACH	(611.0666) INLET COVERS TYPE Z EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	FLANGE OR RIM ELEVATION	INVERT
0020	EX.1	143+16.35	20.18' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
	7.0	145+83.00	23.00' RT	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	874.35	3.24	875.60	871.11
	7.1	145+83.00	17.50' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	874.04	5.40	875.04	871.64
	7.2	145+83.00	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	874.04	5.22	875.04	871.82
	8.0	147+83.00	21.00' RT	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	872.09	3.12	873.34	868.97
	9.0	149+46.00	17.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	870.36	1.90	871.36	868.46
	9.1	149+46.00	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	870.36	4.72	871.36	868.64
	10.0	149+89.00	31.40' RT	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	871.18	2.87	872.43	868.31
	11.0	151+62.00	19.00' RT	-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	871.46	3.41	872.46	868.05
	11.1	151+62.00	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	871.46	5.48	872.46	868.98
	12.0	152+99.50	19.00' RT	-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	871.53	2.98	872.53	868.55
	12.1	152+99.50	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	871.53	5.05	872.53	869.48
	13.0	154+28.00	20.80' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	871.98	2.77	872.98	869.21
	13.1	154+28.00	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	872.13	4.98	873.13	870.15
	13.2	154+09.00	22.00' LT	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	872.18	1.93	873.43	870.25
	14.0	158+69.00	20.05' RT	-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	874.48	3.23	875.48	871.25
	14.1	158+69.00	18.55' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	874.48	5.54	875.48	871.94
	14.2	159+13.50	25.50' LT	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	874.67	2.50	875.50	872.17
	14.3	159+17.00	02.50' LT	-	-	-	-	1	-	-	-	-	-	-	-	1	1	1	875.06	2.77	876.14	872.29
	EX.2	160+00.47	72.15' LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-
	15.0	163+28.15	26.00' LT	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	871.30	2.83	872.55	868.47
	15.1	162+56.18	40.44' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	872.10	6.40	873.10	868.70
	15.2	162+26.83	17.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	871.75	5.36	872.75	869.39
	15.3	162+26.83	17.50' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	871.75	5.18	872.75	869.57
	15.4	163+28.15	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	870.91	4.89	871.91	869.02
	15.5	161+16.00	02.50' LT	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	875.00	3.00	876.08	872.00
	16.0	165+46.00	17.50' RT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	869.92	2.97	870.92	866.95
	17.0	165+46.00	17.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	869.92	2.37	870.92	867.55
	18.0	166+11.40	12.25' RT	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	870.20	3.65	870.70	866.55
	18.1	166+23.18	23.49' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	869.42	4.80	870.42	867.62
	19.0	166+11.75	17.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	869.63	2.24	870.63	867.39
	20.0	160+29.20	161.60' LT	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	875.42	5.20	876.42	870.22
	20.1	160+55.65	162.65' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	875.42	8.07	876.42	870.35
CATEGORY 0020 TOTALS				**5**	**4**	**1**	**3**	**3**	**3**	**12**	**9**	**1**	**1**	**1**	**22**	**0**	**2**	**33**				
0030	1.0	138+46.36	18.78' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	880.88	3.93	881.88	876.95
	1.1	138+44.31	31.17' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	880.48	5.28	881.48	878.20
	2.0	138+78.94	09.22' RT	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	880.25	3.58	881.50	876.67
	2.1	138+85.72	19.93' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	880.36	5.63	881.36	877.73
	3.0	505+90.99	18.88' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	880.87	4.45	881.87	876.42
	3.1	505+87.53	27.26' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	881.24	7.08	882.24	877.16
	4.0	507+94.82	15.17' RT	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	878.85	4.24	880.10	874.61
	4.1	507+89.67	20.08' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	878.24	4.95	879.24	876.29
	4.2	508+04.34	36.31' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	878.09	4.86	879.09	876.23
	4.3	139+93.12	34.49' LT	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	878.04	4.54	879.12	876.50
	5.0	141+51.46	19.02' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	878.39	2.71	879.39	875.68
	5.1	140+61.02	36.71' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	878.99	5.30	879.99	876.69
	6.0	142+26.00	18.50' RT	-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	878.10	2.40	879.10	875.70
	6.1	142+26.00	17.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	878.10	4.73	879.10	876.37
CATEGORY 0030 TOTALS				**1**	**1**	**0**	**1**	**0**	**3**	**8**	**3**	**0**	**0**	**0**	**11**	**1**	**0**	**14**				
OVERALL PROJECT TOTALS				**6**	**5**	**1**	**4**	**3**	**6**	**20**	**12**	**1**	**1**	**1**	**33**	**1**	**2**	**47**				

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(625.0105) TOPSOIL CY	(627.0200) MULCHING SY	(629.0210) FERTILIZER TYPE B CWT	(630.0140) SEEDING MIXTURE NO. 40 LB	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL	(628.2006) EROSION MAT URBAN CLASS 1 TYPE A SY
0020	142+50	145+15	LT & RT	469	-	-	0.09	3	325	18	145
	145+15	148+00	LT & RT	2,196	-	1,415	1.18	33	319	18	462
	148+00	150+60	LT & RT	2,226	-	1,408	1.21	34	308	17	510
	150+60	153+50	LT & RT	682	-	-	0.10	3	517	29	165
	153+50	157+25	LT & RT	614	-	-	0.07	2	497	28	117
	157+25	160+10	LT & RT	1,362	-	-	0.60	17	416	24	946
	160+10	162+75	LT & RT	719	-	-	0.28	8	277	16	441
	162+75	166+00	LT & RT	515	-	-	0.04	1	447	25	68
	166+00	168+52	LT & RT	343	-	-	0.00	0	336	19	8
CATEGORY 0020 TOTALS				**9,127**	**0**	**2,823**	**3.6**	**101**	**3,442**	**195**	**2,862**
0030	137+00	138+00	LT & RT	120	-	-	0.04	1	51	3	69
	138+00	141+00	LT & RT	1,639	147	546	0.65	19	57	3	489
	141+00	142+50	LT & RT	257	-	-	0.06	2	155	9	102
	500+00	503+00	LT & RT	509	-	-	0.04	1	447	25	62
	503+00	505+50	LT & RT	501	-	-	0.04	1	445	25	56
	508+50	510+25	LT & RT	194	-	-	0.03	1	150	9	44
	GRAYSIDE AVENUE/MAPLE DRIVE			3	-	-	0.00	0	3	0	0
CATEGORY 0030 TOTALS				**3,222**	**147**	**546**	**0.9**	**25**	**1,308**	**74**	**822**
OVERALL PROJECT TOTALS				**12,350**	**147**	**3,369**	**4.4**	**126**	**4,750**	**269**	**3,684**

NOTE: BID ITEM 625.0105 IS FOR CENTER CIRCLE OF ROUNDABOUT

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	DESCRIPTION	(632.9101) EACH
0030	GRAYSIDE AVENUE / DIVISION STREET ROUNDABOUT	10
CATEGORY 0030 TOTAL		**10**
OVERALL PROJECT TOTAL		**10**

NOTE: ONE GROWING SEASON PLANT ESTABLISHMENT PERIOD

TREES (SPECIES, ROOT, SIZE)

CATEGORY	DESCRIPTION	(632.0101.01) IOWA JUNIPER, B&B, 5-FT HT EACH
0030	GRAYSIDE AVENUE / DIVISION STREET ROUNDABOUT	4
CATEGORY 0030 TOTAL		**4**
OVERALL PROJECT TOTAL		**4**

NOTE: 3-INCHES MULCH AND WEED BARRIER FABRIC INCIDENTAL TO TREE BID ITEM

SILT FENCE

CATEGORY	STATION	TO STATION	LOCATION	(628.1504) LF	(628.1520) MAINTENANCE LF
0020	146+08	153+00	RT	890	1,780
	150+20	151+12	LT	90	180
		UNDISTRIBUTED		100	200
CATEGORY 0020 TOTALS				**1,080**	**2,160**
0030	139+71	141+17	RT	205	410
		UNDISTRIBUTED		75	150
CATEGORY 0030 TOTALS				**280**	**560**
OVERALL PROJECT TOTALS				**1,360**	**2,720**

MOBILIZATIONS EROSION CONTROL

CATEGORY	(628.1905) EACH	(628.1910) EMERGENCY EROSION CONTROL EACH
0010	1	1
CATEGORY 0010 TOTALS	**1**	**1**
0020	7	3
CATEGORY 0020 TOTALS	**7**	**3**
0030	4	2
CATEGORY 0030 TOTALS	**4**	**2**
OVERALL PROJECT TOTALS	**12**	**6**

TRACKING PADS

CATEGORY	DESCRIPTION	(628.7560) EACH
0020	GRAYSIDE AVENUE, EAST OF DIVISION STREET	1
	UNION STREET, SOUTH OF LA CROSSE STREET	1
CATEGORY 0020 TOTAL		**2**
OVERALL PROJECT TOTAL		**2**

WATER

CATEGORY	DESCRIPTION	(624.0100) MGAL
0020	COMPACTION	48
	DUST CONTROL	19
	UNDISTRIBUTED	8
CATEGORY 0020 TOTAL		**75**
0030	COMPACTION	27
	DUST CONTROL	11
	UNDISTRIBUTED	7
CATEGORY 0030 TOTAL		**45**
OVERALL PROJECT TOTAL		**120**

SHRUBS (SPECIES, ROOT, SIZE)

CATEGORY	DESCRIPTION	(632.0201.01) BUSH CINQUEFOIL, CG, 2-FT HT EACH	(632.0201.02) FRAGRANT GRO-LOW SUMAC, CG, 2-FT HT EACH
0030	GRAYSIDE AVENUE / DIVISION STREET ROUNDABOUT	25	18
CATEGORY 0030 TOTAL		**25**	**18**
OVERALL PROJECT TOTAL		**25**	**18**

NOTE: 3-INCHES MULCH AND WEED BARRIER FABRIC INCIDENTAL TO SHRUB BID ITEMS

INLET PROTECTION

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(628.7005) TYPE A EACH	(628.7015) TYPE C EACH	(628.7020) TYPE D EACH
0010	EXISTING	510+00	21' LT	-	1	-
	EXISTING	510+23	41' LT	-	1	-
	EXISTING	510+45	21' RT	-	1	-
	EXISTING	510+55	43' LT	-	1	-
	EXISTING	510+75	21' LT	-	1	-
	EXISTING	510+79	21' RT	-	1	-
	EXISTING	511+27	21' RT	-	1	-
	EXISTING	512+61	21' LT	-	1	-
	EXISTING	512+64	21' RT	-	1	-
	EXISTING	513+05	43' RT	-	1	-
	EXISTING	513+42	43' RT	-	1	-
	EXISTING	513+64	21' RT	-	1	-
	EXISTING	517+26	21' LT	-	1	-
	EXISTING	517+28	21' RT	-	1	-
	EXISTING	520+07	43' RT	-	1	-
	EXISTING	520+44	43' RT	-	1	-
	EXISTING	520+67	21' LT	-	1	-
	EXISTING	520+69	21' RT	-	1	-
	EXISTING	527+40	21' LT	-	1	-
	EXISTING	527+65	37' LT	-	1	-
	EXISTING	527+85	21' RT	-	1	-
	EXISTING	528+17	51' LT	-	1	-
	EXISTING	530+62	26' LT	-	1	-
	EXISTING	530+62	24' RT	-	1	-
	EXISTING	530+70	83' RT	-	1	-
CATEGORY 0010 TOTALS				**0**	**25**	**0**
0020	EXISTING	142+80	49' RT	-	-	1
	EXISTING	143+17	50' RT	-	-	1
	EXISTING	145+83	19' LT	-	-	1
	EXISTING	145+83	23' RT	-	-	1
	7.1	145+83	18' RT	-	-	1
	7.2	145+83	18' LT	-	-	1
	EXISTING	147+68	118' RT	-	-	1
	EXISTING	147+91	83' RT	-	-	1
	EXISTING	148+89	29' RT	-	-	1
	EXISTING	149+07	66' RT	-	-	1
	9.0	149+46	18' RT	-	-	1
	9.1	149+46	18' LT	-	-	1
	EXISTING	151+62	22' LT	-	-	1
	EXISTING	151+62	21' RT	-	-	1
	11.0	151+62	18' RT	-	-	1
	11.1	151+62	18' LT	-	-	1
	12.0	153+00	18' RT	-	-	1
	12.1	153+00	18' LT	-	-	1
	EXISTING	153+81	83' LT	1	-	-
	EXISTING	154+09	21' LT	-	-	1
	EXISTING	154+09	21' RT	-	-	1
	13.0	154+28	21' RT	-	-	1
	13.1	154+28	18' LT	-	-	1
	14.0	158+69	19' RT	-	-	1
	14.1	158+69	19' LT	-	-	1
	EXISTING	158+71	21' LT	-	-	1
	EXISTING	158+71	21' RT	-	-	1
	14.2	159+14	25' LT	1	-	-
	14.3	159+17	3' LT	-	-	1
	EXISTING	159+93	78' LT	-	-	1
	EX.2	160+00	72' LT	1	-	-
	EXISTING	160+11	64' LT	-	-	1
	20.0	160+29	162' LT	-	-	1
	20.1	160+56	163' LT	-	-	1
	15.5	161+16	3' LT	-	-	1

CONT.

INLET PROTECTION CONT.

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(628.7005) TYPE A EACH	(628.7015) TYPE C EACH	(628.7020) TYPE D EACH
0020	15.2	162+27	18' LT	-	-	1
	15.3	162+27	18' RT	-	-	1
	EXISTING	162+35	27' LT	-	-	1
	EXISTING	162+56	40' LT	-	-	1
	15.1	162+56	40' LT	-	-	1
	EXISTING	163+28	26' LT	-	-	1
	EXISTING	163+28	26' RT	-	-	1
	15.4	163+28	18' LT	-	-	1
	16.0	165+46	18' RT	-	-	1
	17.0	165+46	18' LT	-	-	1
	EXISTING	165+55	26' RT	-	-	1
	19.0	166+12	18' LT	-	-	1
	EXISTING	166+19	24' LT	-	-	1
	18.1	166+23	24' RT	-	-	1
	EXISTING	166+29	26' RT	-	-	1
	EXISTING	168+49	18' LT	-	-	1
	EXISTING	168+54	18' RT	-	-	1
CATEGORY 0020 TOTALS				**3**	**0**	**49**
0030	1.1	138+44	31' LT	-	-	1
	1.0	138+46	19' RT	-	-	1
	2.1	138+86	20' RT	-	-	1
	EXISTING	138+94	17' RT	-	-	1
	EXISTING	138+96	31' LT	-	-	1
	4.3	139+93	34' LT	-	-	1
	5.1	140+61	37' RT	-	-	1
	STAGE 1B	140+61	37' RT	-	1	-
	EXISTING	141+39	18' RT	-	-	1
	EXISTING	141+41	24' LT	-	-	1
	5.0	141+51	19' RT	-	-	1
	6.0	142+26	18' RT	-	-	1
	6.1	142+26	18' LT	-	-	1
	3.1	505+88	27' LT	-	-	1
	3.0	505+91	19' RT	-	-	1
	STAGE 1A	505+91	19' RT	-	1	-
	EXISTING	506+42	6' RT	-	-	1
	EXISTING	506+55	32' LT	-	-	1
	4.1	507+90	20' LT	-	-	1
	STAGE 3	507+90	20' LT	-	1	-
	4.2	508+04	36' RT	-	-	1
	STAGE 2	508+04	36' RT	-	1	-
CATEGORY 0030 TOTALS				**0**	**4**	**18**
OVERALL PROJECT TOTALS				**3**	**29**	**67**

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0020	E2.3	143+25	RT	1	1	
	E2.4	143+41	RT	1	1	
	E2.5	144+14	RT	1	1	
	E2.6	144+22	LT	1	1	
	E2.7	145+50	RT	1	1	
	E2.8	146+21	RT	1	1	
	E2.9	146+43	LT	2	-	STREET LIGHT POLE
	E2.10	147+33	RT	1	1	
	E3.1	147+89	RT	1	1	
	E3.2	148+18	RT	1	1	
	E3.3	149+38	ON LINE	1	-	STREET LIGHT POLE
	E3.4	150+04	RT	1	1	
	E3.5	150+32	LT	1	1	
	E3.6	151+42	LT	1	-	STREET LIGHT POLE
	E4.1	153+16	LT	1	-	STREET LIGHT POLE
	E4.2	153+35	LT	1	1	
	E4.3	153+85	RT	1	1	
	E4.4	154+65	RT	2	-	POWER POLE
	E4.5	155+50	RT	1	-	POWER POLE
	E4.6	156+58	LT	1	-	POWER POLE
	E4.7	157+80	LT	1	-	POWER POLE
	E5.1	158+55	LT	1	-	POWER POLE
	E5.2	159+43	RT	1	1	
	E5.3	159+49	RT	1	-	POWER POLE
	E5.4	159+52	LT	1	1	
	E5.5	162+51	LT	1	1	
	E5.6	163+33	LT	1	1	
	E5.7	164+38	RT	1	-	POWER POLE
	E6.1	165+57	RT	1	-	POWER POLE
	E6.2	165+92	LT	1	1	
	E6.3	166+20	RT	1	1	
	E6.4	167+52	RT	1	1	
	R.1	STATE STREET, EAST OF PINE STREET		1	-	STREET LIGHT POLE
	R.2	STATE STREET / PINE STREET		1	-	STREET LIGHT POLE
	R.3	STATE STREET / OAK STREET		6	-	STREET LIGHT POLE
	R.4	STATE STREET, WEST OF OAK STREET		2	-	STREET LIGHT POLE
	R.5	STATE STREET / DIVISION STREET		9	-	TRAFFIC SIGNAL POLE
	R.6	STATE STREET / BEACH STREET		3	1	
	R.7	STATE STREET / DIVISION STREET		6	-	TRAFFIC SIGNAL POLE
	R.8	STATE STREET / DIVISION STREET		6	-	TRAFFIC SIGNAL POLE
	R.9	STATE STREET / DIVISION STREET		2	-	STREET LIGHT POLE
	R.10	STATE STREET / LACROSSE STREET		3	-	STREET LIGHT POLE
	R.11	STATE STREET / MAINE STREET		5	2	
		CATEGORY 0020 TOTALS		**78**	**23**	
0030	E1.1	136+70	RT	2	-	STREET LIGHT POLE
	E1.2	136+95	RT	1	1	
	E1.3	137+71	LT	1	-	STREET LIGHT POLE
	E1.4	138+59	RT	5	1	
	E1.5	138+84	RT	7	-	STREET LIGHT POLE
	E1.6	138+97	RT	1	1	
	E1.7	139+90	LT	1	1	
	E1.8	140+16	RT	1	1	
	E1.9	140+91	RT	3	1	
	E1.10	141+30	LT	1	1	
	E1.11	505+76	LT	1	1	
	E1.12	506+03	RT	11	1	
	E1.13	507+75	LT	2	1	
	E1.14	507+89	LT	3	1	
	E1.15	508+08	LT	2	1	
	E2.1	141+52	RT	1	1	
	E2.2	142+00	LT	1	1	
	E7.2	502+74	LT	1	-	POWER POLE
	E7.3	503+17	RT	1	1	
	E7.4	503+49	RT	2	1	
	E7.5	503+68	LT	2	-	POWER POLE
	E8.1	509+57	LT	9	1	
	E8.2	509+68	RT	6	1	
		CATEGORY 0030 TOTALS		**65**	**18**	
		OVERALL PROJECT TOTALS		**143**	**41**	

REMOVING SIGN COVER

CATEGORY	SIGN NO.	DESCRIPTION	(204.9060.S.02) EACH
0020	C.1	SOUTH SIDE OF STATE STREET, WEST OF UNION STREET	1
	C.2	WEST SIDE OF UNION STREET, NORTH OF STATE STREET	1
	C.3	WEST SIDE OF UNION STREET, NORTH OF STATE STREET	1
	C.4	WEST SIDE OF UNION STREET AT MANSION STREET	1
	C.5	WEST SIDE OF UNION STREET, SOUTH OF WATER STREET	1
	C.6	NORTH SIDE OF STATE STREET, EAST OF UNION STREET	1
	C.7	NORTH SIDE OF STATE STREET, EAST OF UNION STREET	1
	C.8	NORTH SIDE OF STATE STREET, EAST OF UNION STREET	1
		CATEGORY 0020 TOTAL	**8**
		OVERALL PROJECT TOTAL	**8**

MOVING SIGNS TYPE II

CATEGORY	SIGN NO.	STATION	TO STATION	LOCATION	(638.2102) EACH
0030	E7.1	500+41	500+45	RT	1
			CATEGORY 0030 TOTAL		**1**
			OVERALL PROJECT TOTAL		**1**

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	DESCRIPTION	(643.0920) EACH
0020	SOUTH SIDE OF STATE STREET, EAST OF DIVISION STREET	1
	CATEGORY 0020 TOTAL	**1**
	OVERALL PROJECT TOTAL	**1**

NOTE: SEE REDESIGNATION SIGNING PLAN FOR LOCATION

PERMANENT SIGNING

CATEGORY	NO	STATION	LOCATION	CODE	SIZE IN X IN	(637.0202) SIGNS REFLECTIVE TYPE II SF	(634.0614) POSTS WOOD 4X6-INCH X 14-FT EACH	(634.0616) POSTS WOOD 4X6-INCH X 16-FT EACH	(634.0618) POSTS WOOD 4X6-INCH X 18-FT EACH	(634.0622) POST WOOD 4X6-INCH X 22-FT EACH	(634.0808) POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	(634.0809) POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT EACH	(634.0811) POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	(634.0812) POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	(634.0814) POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	# (SPV.0060.11) CORING FOR POSTS WOOD EACH	NOTE
0020	2.3	142+60	LT	J2-2	48 X 57	19	-	1	-	-	-	-	-	-	-	-	
	2.4	143+50	LT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	ON STREET LIGHT POLE
	2.5	143+95	LT	J2-2	48 X 57	19	-	1	-	-	-	-	-	-	-	-	
	2.6	144+40	LT	W2-6	30 X 30	6	-	-	-	-	-	-	-	-	1	-	
	2.7	144+40	LT	W2-6P	30 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 2.6 AND 2.8
	2.8	144+40	LT	W13-1	18 X 18	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 2.6 AND 2.7
	2.9	145+45	LT	D1-2	78 X 24	13	2	-	-	-	-	-	-	-	-	-	
	2.10	143+25	RT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	2.11	143+75	RT	M1-5A	24 X 24	4	1	-	-	-	-	-	-	-	-	-	
	2.12	144+80	RT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	2.13	144+80	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 2.12
	3.1	149+70	LT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	ON STREET LIGHT POLE
	3.2	150+95	LT	R2-1	24 X 30	5	-	-	-	-	-	-	-	-	-	-	ON STREET LIGHT POLE
	3.3	150+25	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	1	-	-	-	
	4.1	152+65	LT	J4-3	72 X 36	18	-	2	-	-	-	-	-	-	-	-	
	4.2	153+30	LT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	4.3	155+60	LT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	4.4	155+60	LT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 4.3
	4.5	153+88	RT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	4.6	154+55	RT	J4-3	72 X 36	18	-	2	-	-	-	-	-	-	-	-	
	4.7	155+80	RT	R2-1	24 X 30	5	-	-	-	-	-	-	-	-	-	-	ON STREET LIGHT POLE
	4.8	155+80	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	ON STREET LIGHT POLE
	4.9	158+20	RT	W10-1	36 X 36	9	-	-	-	-	-	-	-	1	-	-	
	5.1	158+65	LT	R7-1D	18 X 24	3	-	-	-	-	-	-	1	-	-	-	
	5.2	159+00	ON LINE	R4-7C	18 X 24	3	-	-	-	-	-	-	1	-	-	-	
	5.3	159+25	LT	R2-1	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	5.4	159+60	LT	R9-3A	24 X 24	4	-	-	-	-	-	-	1	-	-	-	
	5.5	159+60	LT	R9-3BL	18 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 5.4
	5.6	160+35	LT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.7	160+43	LT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.8	160+51	LT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.9	160+15	LT	W14-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	MILWAUKEE STREET / PINE STREET INTERSECTION
	5.10	160+65	LT	W14-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	MILWAUKEE STREET / PINE STREET INTERSECTION
	5.11	161+15	ON LINE	R4-7C	18 X 24	3	-	-	-	-	-	-	1	-	-	-	
	5.12	162+25	LT	W10-1	36 X 36	9	-	-	-	-	-	-	-	1	-	-	
	5.13	162+45	LT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	5.14	164+00	LT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	5.15	164+00	LT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 5.13
	5.16	154+00	RT	W14-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	MILWAUKEE STREET / VINE STREET INTERSECTION
	5.17	154+00	RT	W14-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	MILWAUKEE STREET / VINE STREET INTERSECTION
	5.18	158+64	RT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.19	158+58	RT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.20	158+52	RT	W5-56A	18 X 18	2	-	-	-	-	-	1	-	-	-	-	
	5.21	160+90	RT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	5.22	160+90	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 5.19
	5.23	163+50	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	1	-	-	-	
	6.1	168+40	LT	J4-3	72 X 36	18	-	2	-	-	-	-	-	-	-	-	
	6.2	164+65	RT	J1-2	48 X 39	13	-	1	-	-	-	-	-	-	-	-	
	6.3	166+20	RT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	6.4	166+50	RT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	6.5	166+50	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 6.4
	6.6	167+17	RT	J2-3	72 X 57	29	-	-	2	-	-	-	-	-	-	-	
	6.7	168+20	RT	R3-8M	54 X 30	11	-	-	-	-	-	-	2	-	-	-	
	9.0	STATE STREET, EAST OF PINE STREET		J3-2	48 X 93	31	-	-	-	1	-	-	-	-	-	1	
	10.0	STATE STREET & DIVISION STREET		M4-5	24 X 12	2	-	-	-	-	-	-	-	-	-	-	
		CATEGORY 0020 TOTALS				**379**	**3**	**9**	**2**	**1**	**0**	**6**	**18**	**7**	**1**	**1**	
0030	1.1	136+80	LT	J4-2	48 X 36	13	-	1	-	-	-	-	-	-	-	-	
	1.2	138+55	LT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.3	138+55	LT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.2
	1.4	507+70	LT	R1-2	36 X 31	8	-	-	-	-	-	-	-	1	-	-	
	1.5	507+70	LT	R15-4	24 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.4
	1.6	508+15	LT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.7	508+15	LT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME AS POST 1.6
	1.8	138+30	LT	R4-7	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	1.9	138+70	LT	D1-3	84 X 36	21	-	2	-	-	-	-	-	-	-	-	
	1.10	138+75	LT	R1-2	36 X 31	8	-	-	-	-	-	-	-	-	1	-	
	1.11	138+75	LT	R6-2R	24 X 30	5	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.10
	1.12	507+80	RT	R1-2	36 X 31	8	-	-	-	-	-	-	-	-	1	-	
	1.13	507+80	RT	R6-2R	24 X 30	5	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.12
	1.14	508+20	RT	R4-7	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	1.15	507+85	RT	D1-1	78 X 15	8	2	-	-	-	-	-	-	-	-	-	

CORING FOR POSTS WOOD TO BE USED FOR CORING INTO EXISTING CONCRETE NOT INSTALLED AS PART OF THIS PROJECT

CONT.

PERMANENT SIGNING CONT.

CATEGORY	NO	STATION	LOCATION	CODE	SIZE IN X IN	(637.0202) SIGNS REFLECTIVE TYPE II SF	(634.0614) POSTS WOOD 4X6-INCH X 14-FT EACH	(634.0616) POSTS WOOD 4X6-INCH X 16-FT EACH	(634.0618) POSTS WOOD 4X6-INCH X 18-FT EACH	(634.0622) POST WOOD 4X6-INCH X 22-FT EACH	(634.0808) POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	(634.0809) POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT EACH	(634.0811) POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	(634.0812) POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	(634.0814) POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	# (SPV.0060.11) CORING FOR POSTS WOOD EACH	NOTE
0030	1.16	508+05	RT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.17	508+05	RT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.16
	1.18	140+30	LT	R1-2	36 X 31	8	-	-	-	-	-	-	-	1	-	-	
	1.19	140+30	LT	R15-4	24 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.18
	1.20	140+70	LT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.21	140+70	LT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.20
	1.22	140+75	RT	R4-7	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	1.23	140+40	RT	R1-2	36 X 31	8	-	-	-	-	-	-	-	-	1	-	
	1.24	140+40	RT	R6-2R	24 X 30	5	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.23
	1.25	140+45	RT	D1-4	84 X 36	21	-	2	-	-	-	-	-	-	-	-	
	1.26	140+60	RT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.27	140+60	RT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.26
	1.28	506+35	RT	R1-2	36 X 31	8	-	-	-	-	-	-	-	1	-	-	
	1.29	506+35	RT	R15-4	24 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.28
	1.30	505+95	RT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.31	505+95	RT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.30
	1.32	505+10	RT	D1-1	48 X 15	5	2	-	-	-	-	-	-	-	-	-	
	1.33	505+95	LT	R4-7	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	1.34	506+25	LT	R1-2	36 X 31	8	-	-	-	-	-	-	-	-	1	-	
	1.35	506+25	LT	R6-2R	24 X 30	5	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.34
	1.36	506+15	LT	D1-2	78 X 30	16	2	-	-	-	-	-	-	-	-	-	
	1.37	506+00	LT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.38	506+00	LT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.37
	1.39	138+90	RT	R1-2	36 X 31	8	-	-	-	-	-	-	-	1	-	-	
	1.40	138+90	RT	R15-4	24 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.39
	1.41	138+45	RT	W11-2	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	1.42	138+45	RT	W16-7L	24 X 12	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.41
	1.43	137+80	RT	D1-1	66 X 15	7	2	-	-	-	-	-	-	-	-	-	
	1.44	137+05	RT	J3-2	48 X 57	18	-	1	-	-	-	-	-	-	-	-	
	1.45	136+05	RT	J3-3	72 X 57	29	-	-	2	-	-	-	-	-	-	-	
	1.46	134+75	RT	W2-6	30 X 30	6	-	-	-	-	-	-	-	-	1	-	
	1.47	134+75	RT	W2-6P	30 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.46 AND 1.48
	1.48	134+75	RT	W13-1	18 X 18	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.46 AND 1.47
	1.49	139+50	LT	R6-1R	36 X 12	3	-	-	-	-	2	-	-	-	-	-	
	1.50	139+50	LT	R6-4B	60 X 24	10	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.49, 4' MOUNTING HEIGHT FROM SURFACE OF TRUCK APRON TO BOTTOM OF SIGN
	1.51	139+80	LT	R6-1R	36 X 12	3	-	-	-	-	2	-	-	-	-	-	
	1.52	139+80	LT	R6-4B	60 X 24	10	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.51, 4' MOUNTING HEIGHT FROM SURFACE OF TRUCK APRON TO BOTTOM OF SIGN
	1.53	139+65	RT	R6-1R	36 X 12	3	-	-	-	-	2	-	-	-	-	-	
	1.54	139+65	RT	R6-4B	60 X 24	10	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.53, 4' MOUNTING HEIGHT FROM SURFACE OF TRUCK APRON TO BOTTOM OF SIGN
	1.55	139+35	RT	R6-1R	36 X 12	3	-	-	-	-	2	-	-	-	-	-	
	1.56	139+35	RT	R6-4B	60 X 24	10	-	-	-	-	-	-	-	-	-	-	SAME POST AS 1.55, 4' MOUNTING HEIGHT FROM SURFACE OF TRUCK APRON TO BOTTOM OF SIGN
	2.1	141+60	LT	D1-2	66 X 30	14	2	-	-	-	-	-	-	-	-	-	
	2.2	142+35	RT	J4-2	48 X 36	12	-	1	-	-	-	-	-	-	-	-	
	7.1	501+20	LT	R2-1	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	7.2	503+95	LT	R2-1	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	7.3	504+95	LT	J4-1	24 X 36	6	-	1	-	-	-	-	-	-	-	-	
	7.4	501+20	RT	R2-1	24 X 30	5	-	-	-	-	-	-	1	-	-	-	
	7.5	502+05	RT	W2-6	30 X 30	6	-	-	-	-	-	-	-	-	1	-	
	7.6	502+05	RT	W2-6P	30 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 7.5 AND 7.7
	7.7	502+05	RT	W13-1	18 X 18	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 7.5 AND 7.6
	7.8	503+20	RT	R1-1	30 X 30	6	-	-	-	-	-	-	1	-	-	-	
	7.9	503+40	RT	J12-1	24 X 45	8	-	1	-	-	-	-	-	-	-	-	
	7.10	504+35	RT	J2-3	72 X 57	29	-	-	2	-	-	-	-	-	-	-	
	8.1	511+45	LT	W2-6	30 X 30	6	-	-	-	-	-	-	-	-	1	-	
	8.2	511+45	LT	W2-6P	30 X 15	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 8.1 AND 8.3
	8.3	511+45	LT	W13-1	18 X 18	2	-	-	-	-	-	-	-	-	-	-	SAME POST AS 8.1 AND 8.2
	8.4	509+70	RT	R2-1	24 X 30	5	-	-	-	-	-	-	-	1	-	-	
	8.5	509+70	RT	R7-1D	18 X 24	3	-	-	-	-	-	-	-	-	-	-	SAME POST AS 8.4
CATEGORY 0030 TOTALS						**500**	**10**	**9**	**4**	**0**	**8**	**0**	**16**	**5**	**7**	**0**	
OVERALL PROJECT TOTALS						**878**	**13**	**18**	**6**	**1**	**8**	**6**	**34**	**12**	**8**	**1**	

CORING FOR POSTS WOOD TO BE USED FOR CORING INTO EXISTING CONCRETE NOT INSTALLED AS PART OF THIS PROJECT

TRAFFIC CONTROL

CATEGORY	STAGE	DRUMS NO. DEVICES	(643.0300) DRUMS DAYS	BARRICADES TYPE III NO. DEVICES	(643.0420) BARRICADES TYPE III DAYS	(643.0500) FLEXIBLE TUBULAR MARKER POSTS EACH	(643.0600) FLEXIBLE TUBULAR MARKER BASES EACH	WARNING LIGHTS TYPE A NO. DEVICES	(643.0705) WARNING LIGHTS TYPE A DAYS	WARNING LIGHTS TYPE C NO. DEVICES	(643.0715) WARNING LIGHTS TYPE C DAYS	SIGNS NO. DEVICES	(643.0900) SIGNS DAYS	DURATION	
0010	STAGE 4 (MILL & OVERLAY)	0	0	2	42	0	0	4	84	0	0	12	252	21	DAYS
	CATEGORY 0010 TOTALS		**0**		**42**	**0**	**0**		**84**		**0**		**252**		
0020	PROJECT DURATION	0	0	52	6,760	0	0	76	9,880	0	0	43	5,590	130	DAYS
	CATEGORY 0020 TOTALS		**0**		**6,760**	**0**	**0**		**9,880**		**0**		**5,590**		
0030	STAGE 1A	54	1,134	20	420	28	28	29	609	13	273	28	588	21	DAYS
	STAGE 1B	138	1,932	20	280	5	5	32	448	15	210	36	504	14	DAYS
	STAGE 1C	73	2,044	14	392	28	28	20	560	16	448	32	896	28	DAYS
	STAGE 2	75	1,575	16	336	35	35	24	504	32	672	35	735	21	DAYS
	STAGE 3	57	798	28	392	37	37	43	602	20	280	34	476	14	DAYS
	STAGE 4	7	147	13	273	0	0	23	483	0	0	12	252	21	DAYS
	CATEGORY 0030 TOTALS		**7,630**		**2,093**	**133**	**133**		**3,206**		**1,883**		**3,451**		
	OVERALL PROJECT TOTALS		**7,630**		**8,895**	**133**	**133**		**13,170**		**1,883**		**9,293**		

TEMPORARY CROSSWALK ACCESS

CATEGORY	DESCRIPTION	# OF CROSSINGS	(SPV.0045.01) DAYS
0020	GRAYSIDE AVENUE CROSSING (NEAR HICKORY STREET)	1	100
	UNION STREET CROSSING (BETWEEN VINE STREET & MILWAUKEE STREET)	1	100
	UNION STREET/MILWAUKEE STREET TEMPORARY SIDEWALK ACCESS	1	7
	CATEGORY 0020 TOTAL		**207**
	OVERALL PROJECT TOTAL		**207**

TRAFFIC CONTROL DETOUR SIGNS

CATEGORY	LOCATION	# OF SIGNS	(643.3000) DAYS
0030	DIVISION STREET	22	2,420
	STATE STREET	57	6,270
	NORTH ROAD	22	2,420
	ENSCH STREET	22	2,420
	VETERANS DRIVE	22	2,420
	ATTWELL STREET	43	4,730
	GRAYSIDE AVENUE	16	1,760
	SIDEWALK DETOUR	14	1,540
	TEMPORARY SIDEWALK ACCESS (MILWAUKEE STREET)	3	21
	CATEGORY 0030 TOTAL		**24,001**
	OVERALL PROJECT TOTAL		**24,001**

TEMPORARY CURB RAMP

CATEGORY	STATION	LOCATION	(SPV.0060.02) EACH
0030	GRAYSIDE AVENUE/MAPLE DRIVE		1
	CATEGORY 0030 TOTAL		**1**
	OVERALL PROJECT TOTAL		**1**

ASPHALTIC SIDEWALK

CATEGORY	DESCRIPTION	(SPV.0165.05) SF
0030	GRAYSIDE AVENUE/MAPLE DRIVE	25
	CATEGORY 0030 TOTAL	**25**
	OVERALL PROJECT TOTAL	**25**

COVER PLATES TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	* (611.8120.S) EACH
0030	1A	506+55	LT	1
		UNDISTRIBUTED		2
		CATEGORY 0030 TOTAL		**3**
		OVERALL PROJECT TOTAL		**3**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FENCE SAFETY

CATEGORY	STAGE	STATION	TO STATION	LOCATION	(616.0700.S) LF
0030	1A	503+15	504+05	RT	90
	1A	504+15	504+65	RT	50
	1A	504+75	505+70	RT	95
	1A	505+85	506+00	RT	15
			UNDISTRIBUTED		100
			CATEGORY 0030 TOTAL		**350**
			OVERALL PROJECT TOTAL		**350**

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	SIGN DESCRIPTION	SIGN LOCATION	(643.1000) SF
0010	DIVISION STREET	STATE STREET / OAK STREET	8
	DIVISION STREET	STATE STREET / ELM STREET	8
		CATEGORY 0010 TOTAL	**16**
0020	ACCESS TO LIONS PARK VIA VINE STREET	DIVISION STREET / VINE STREET	12.5
	UNION STREET	LA CROSSE STREET / MILL STREET	6
	UNION STREET	LA CROSSE STREET / PINE STREET	6
		CATEGORY 0020 TOTAL	**24.5**
0030	AT DIVISION STREET	GRAYSIDE AVENUE / ATTWELL STREET	12
	DIVISION STREET	DIVISION STREET, SOUTH OF GRAYSIDE AVENUE	8
	ACCESS LIONS PARK VIA GRAYSIDE AVENUE	DIVISION STREET / ELMBERTA STREET	12.5
		CATEGORY 0030 TOTAL	**32.5**
		OVERALL PROJECT TOTAL	**73**

TEMPORARY INLET CASTING

CATEGORY	STAGE	STATION	LOCATION	(SPV.0060.03) EACH	NOTES
0030	1A	505+91	19' RT	1	INLET COVERS TYPE S
	1B	140+61	37' RT	1	INLET COVERS TYPE S
	2	508+04	36' RT	1	INLET COVERS TYPE S
	3	507+90	20' LT	1	INLET COVERS TYPE S
		CATEGORY 0030 TOTAL		**4**	
		OVERALL PROJECT TOTAL		**4**	

TEMPORARY PAVEMENT MARKING

CATEGORY	DESCRIPTION	(649.0200) REFLECTIVE PAINT 4-INCH YELLOW LF	(649.0200) REFLECTIVE PAINT 4-INCH WHITE LF	(649.0400) REMOVABLE TAPE 4-INCH YELLOW LF	(649.0400) REMOVABLE TAPE 4-INCH WHITE LF	(649.0600) REMOVABLE TAPE 6-INCH LF	(647.0773) PAVEMENT MARKING CROSSWALK PAINT 12-INCH LF
0030	STAGE 1A	1,920	1,225	-	-	-	80
	STAGE 1B	685	490	365	285	-	-
	STAGE 1C	-	-	1,050	965	-	-
	STAGE 2	-	-	2,035	1,015	-	-
	STAGE 3	-	-	350	580	-	-
	GRAYSIDE AVENUE/MAPLE DRIVE	-	-	-	-	80	-
	UNDISTRIBUTED	250	175	400	300	40	40
	CATEGORY 0030 TOTALS	**2,855**	**1,890**	**4,200**	**3,145**	**120**	**120**
		4,745		**7,345**			
	OVERALL PROJECT TOTALS	**2,855**	**1,890**	**4,200**	**3,145**	**120**	**120**
		4,745		**7,345**			

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	STATION	TO STATION	LOCATION	(646.0600) LF	NOTES
0030	1A	500+00	505+50	ON LINE	1,100	DOUBLE YELLOW CENTERLINE
	1A	500+50	501+10	RT	60	WHITE EDGE LINE
	1A	506+60	506+60	LT & RT	55	CROSSWALK EDGE LINE
	1A	506+66	506+66	LT & RT	55	CROSSWALK EDGE LINE
	1A	507+35	507+35	LT & RT	55	CROSSWALK EDGE LINE
	1A	507+41	507+41	LT & RT	55	CROSSWALK EDGE LINE
	1A	507+50	510+00	ON LINE	500	DOUBLE YELLOW CENTERLINE
	1B	499+10	500+00	ON LINE	180	DOUBLE YELLOW CENTERLINE
	1B	499+90	500+50	RT	60	WHITE EDGE LINE
	1B	508+30	509+90	RT	160	WHITE EDGE LINE
	1C	508+30	510+00	LT	170	SINGLE YELLOW CENTERLINE
	CATEGORY 0030 TOTAL				**2,450**	
	OVERALL PROJECT TOTAL				**2,450**	

PAVEMENT MARKING WORDS AND SYMBOLS

CATEGORY	STATION	LOCATION	(647.0110) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY EACH	(647.0356) PAVEMENT MARKING WORDS EPOXY EACH	(647.0606) PAVEMENT MARKING ISLAND NOSE EPOXY EACH	NOTES
0010	DIVISION STREET (SOUTH SIDE OF RAILROAD TRACKS)		1	-	-	
	DIVISION STREET (NORTH SIDE OF RAILROAD TRACKS)		1	-	-	
	CATEGORY 0010 TOTALS		**2**	**0**	**0**	
0020	UNION STREET (SOUTH SIDE OF RAILROAD TRACKS)		1	-	-	
	159+90	LT & RT	-	-	1	
	160+27	LT & RT	-	-	1	
	UNION STREET (NORTH SIDE OF RAILROAD TRACKS)		1	-	-	
	CATEGORY 0020 TOTALS		**2**	**0**	**2**	
0030	138+30	LT	-	-	1	
	138+80	RT	-	1	-	YIELD
	140+35	LT	-	1	-	YIELD
	140+78	RT	-	-	1	
	505+92	LT	-	-	1	
	506+25	RT	-	1	-	YIELD
	507+80	LT	-	1	-	YIELD
	508+20	RT	-	-	1	
	CATEGORY 0030 TOTALS		**0**	**4**	**4**	
	OVERALL PROJECT TOTALS		**4**	**4**	**6**	

PAVEMENT MARKING

CATEGORY	STATION	STATION	(646.0106) PAVEMENT MARKING EPOXY 4-INCH (YELLOW) LF	(646.0106) PAVEMENT MARKING EPOXY 4-INCH (WHITE) LF	(646.0126) PAVEMENT MARKING EPOXY 8-INCH (WHITE) LF	(646.0156) PAVEMENT MARKING EPOXY 18-INCH (WHITE) LF	(647.0766) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH LF	(647.0776) PAVEMENT MARKING CROSSWALK EPOXY 12-INCH LF	(647.0456) PAVEMENT MARKING CURB EPOXY LF	(647.0556) PAVEMENT MARKING STOP LINE EPOXY 12-INCH LF	(647.0726) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF
0010	510+10	520+25	1,970	-	-	-	80	-	-	-	-
	520+25	528+40	1,565	-	-	-	80	-	-	-	-
	528+40	532+76	855	-	-	-	-	-	-	-	-
	CATEGORY 0010 TOTALS		**4,390**	**0**	**0**	**0**	**160**	**0**	**0**	**0**	**0**
			4,390								
0020	142+50	154+00	2,115	1,980	-	-	335	-	-	70	-
	154+00	160+10	950	1,105	-	-	-	75	25	-	-
	160+10	163+00	340	465	-	-	110	65	35	20	-
	163+00	165+60	510	415	-	-	-	70	-	-	-
	165+60	168+65	430	475	-	-	95	65	-	20	-
	CATEGORY 0020 TOTALS		**4,345**	**4,440**	**0**	**0**	**540**	**275**	**60**	**110**	**0**
			8,785								
0030	136+79	139+00	605	270	45	20	-	70	-	-	25
	140+00	142+50	545	225	50	30	-	70	-	-	15
	500+00	506+50	1,400	1,025	45	30	80	70	-	20	25
	507+50	510+10	710	315	45	30	90	70	-	-	30
	CATEGORY 0030 TOTALS		**3,260**	**1,835**	**185**	**110**	**170**	**280**	**0**	**20**	**95**
			5,095								
	OVERALL PROJECT TOTALS		**11,995**	**6,275**	**185**	**110**	**870**	**555**	**60**	**130**	**95**
			18,270								

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.4500) SUBGRADE LF	(650.7000) CONCRETE PAVEMENT LF	(650.9920) SLOPE STAKES LF
0020	142+50	167+80	LT & RT	2,530	2,530	2,530
		CATEGORY 0020 TOTALS		**2,530**	**2,530**	**2,530**
0030	136+98	142+50	LT & RT	552	552	552
	501+14	509+68	LT & RT	854	854	854
	50+00	54+11	LT & RT	411	411	-
		CATEGORY 0030 TOTALS		**1,817**	**1,817**	**1,406**
		OVERALL PROJECT TOTALS		**4,347**	**4,347**	**3,936**

CONSTRUCTION STAKING ROUNDABOUT SIDEWALK

CATEGORY	STATION	TO STATION	(SPV.0090.13) LF
0030	10+00 'SW'	12+15.16 'SW'	216
	10+00 'SE'	12+05.16 'SE'	206
	10+00 'NW'	12+06.87 'NW'	207
	10+00 'NE'	12+03.46 'NE'	204
	CATEGORY 0030 TOTALS		**833**
	OVERALL PROJECT TOTALS		**833**

SAWING CONCRETE

CATEGORY	STATION	TO STATION	LOCATION	(690.0250) LF	NOTES
0020	142+78	142+81	RT	3	CURB & GUTTER
	143+15	143+18	RT	3	CURB & GUTTER
	143+93	144+20	LT	27	BIKE RACK PAD
	150+54	150+54	LT	4	SIDEWALK
	150+75	150+75	LT	4	SIDEWALK
	153+15	153+15	LT	4	SIDEWALK
	154+38	154+38	LT	4	SIDEWALK
	154+38	154+38	RT	4	SIDEWALK
	157+07	157+07	LT	4	SIDEWALK
	157+19	157+19	LT	4	SIDEWALK
	157+86	157+86	RT	4	SIDEWALK
	158+29	158+29	LT	4	SIDEWALK
	158+29	158+43	LT	14	DRIVEWAY
	160+16	160+21	LT	5	SIDEWALK
	160+26	160+29	LT	3	CURB & GUTTER
	160+55	160+58	LT	3	CURB & GUTTER
	162+49	162+74	RT	28	SIDEWALK
	162+81	162+84	LT	3	CURB & GUTTER
	163+06	163+09	LT	3	CURB & GUTTER
	163+16	163+27	RT	11	SIDEWALK
	164+03	167+35	LT	395	SIDEWALK
	165+72	165+75	RT	3	CURB & GUTTER
	166+14	166+17	RT	3	CURB & GUTTER
	166+38	166+98	RT	60	PARKING LOT (BEHIND OF SIDEWALK)
	167+35	167+35	LT	5	SIDEWALK
	167+64	167+64	RT	5	SIDEWALK
	167+80	167+80	LT & RT	37	ROADWAY AND CURB & GUTTER
	CATEGORY 0020 TOTAL			**647**	
0030					
	136+98	136+98	RT	3	CURB & GUTTER
	136+98	136+98	RT	5	SIDEWALK
	136+98	136+98	LT	3	CURB & GUTTER
	136+98	136+98	LT	5	SIDEWALK
	137+06	137+09	LT	3	SIDEWALK
	138+47	138+53	RT	4	SIDEWALK
	501+34	501+37	RT	3	SIDEWALK
	502+28	502+31	RT	3	SIDEWALK
	502+71	502+74	LT	3	SIDEWALK
	502+74	502+77	RT	3	CURB & GUTTER
	503+11	503+14	RT	3	CURB & GUTTER
	503+27	503+27	RT	5	SIDEWALK
	504+05	504+05	RT	5	SIDEWALK
	504+17	504+17	RT	5	SIDEWALK
	504+36	504+39	LT	3	SIDEWALK
	504+65	504+65	RT	5	SIDEWALK
	504+74	504+74	RT	5	SIDEWALK
	505+30	505+30	RT	5	SIDEWALK
	505+72	505+86	RT	8	DRIVEWAY
	509+02	509+02	LT	5	SIDEWALK
	509+49	509+49	RT	5	SIDEWALK
	509+68	509+68	RT	3	CURB & GUTTER
	509+68	509+68	LT	3	CURB & GUTTER
	509+98	509+98	LT	5	SIDEWALK
	510+00	510+00	LT	3	CURB & GUTTER
	510+00	510+00	RT	5	SIDEWALK
	510+03	510+03	RT	3	CURB & GUTTER
	510+09	510+13	LT	4	SIDEWALK
	510+11	510+11	RT	3	CURB & GUTTER
	510+15	510+15	RT	5	SIDEWALK
	510+20	510+23	LT	3	CURB & GUTTER
	CATEGORY 0030 TOTAL			**126**	
	OVERALL PROJECT TOTAL			**773**	

SEISMOGRAPH

CATEGORY	LOCATION	(999.1000.S.01) LS
0020	PARCEL 13 (LT or RT) - PLAT 5020-05-21	-
	PARCEL 4 - PLAT 5020-05-23	-
	UNDISTRIBUTED	-
	CATEGORY 0020 TOTAL	**1**
	OVERALL PROJECT TOTAL	**1**

CRACK AND DAMAGE SURVEY

CATEGORY	LOCATION	(999.1500.S.01) LS
0020	PARCEL 13 (LT & RT) - PLAT 5020-05-21	-
	PARCEL 15 - PLAT 5020-05-21	-
	PARCEL 3 - PLAT 5020-05-23	-
	PARCEL 4 - PLAT 5020-05-23	-
	CATEGORY 0020 TOTAL	**1**
	OVERALL PROJECT TOTAL	**1**

SAWING ASPHALT

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) LF	NOTES
0010	532+76	532+76	LT & RT	46	ROADWAY
	CATEGORY 0010 TOTAL			**46**	
0020	142+81	143+16	RT	35	ROADWAY
	145+02	145+26	RT	24	DRIVEWAY
	153+36	153+72	LT	36	ROADWAY
	153+51	153+73	RT	22	ROADWAY
	158+49	158+65	RT	21	ROADWAY
	158+74	158+88	LT	14	DRIVEWAY
	160+29	160+55	LT	26	ROADWAY
	161+55	161+92	RT	37	DRIVEWAY
	161+92	161+92	RT	11	DRIVEWAY
	162+95	163+20	LT	32	ROADWAY
	165+74	166+15	RT	41	ROADWAY
	166+98	167+64	RT	67	PARKING LOT (BACK OF SIDEWALK)
	CATEGORY 0020 TOTAL			**366**	
0030	136+78	136+78	LT & RT	40	ROADWAY
	137+26	137+37	LT	11	DRIVEWAY
	508+76	141+47	RT & LT	242	PARKING LOT (6' OFF SIDEWALK)
	141+47	141+51	LT	60	PARKING LOT (EXISTING EDGE OF PAVEMENT)
	500+94	500+94	LT & RT	31	ROADWAY
	501+14	502+60	RT	146	ROADWAY - STAGE 1A
	501+14	504+64	ON LINE	350	ROADWAY - STAGE 1B
	502+76	503+12	RT	36	ROADWAY
	503+30	505+75	RT	245	ROADWAY - STAGE 1A
	506+66	506+66	RT	20	ROADWAY - STAGE 1A
	509+68	509+65	LT & RT	40	ROADWAY
	510+00	510+25	LT	38	ROADWAY (FOR CURB & GUTTER)
	CATEGORY 0030 TOTAL			**1,259**	
	OVERALL PROJECT TOTAL			**1,671**	

STREET LIGHTING ITEMS

CATEGORY	ID	FROM STATION/OFFSET	ID	TO STATION/OFFSET	(650.8500) ELECTRIC STAKING ELECTRICAL INSTALLATION LS	(652.0125) CONDUIT RIGID METALLIC 2-INCH LF	(652.0225) CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	(652.0605) CONDUIT SPECIAL 2-INCH LF	(652.0700.S.01) INSTALL CONDUIT INTO EXISTING ITEM EACH	(653.0140) PULL BOXES STEEL 24x42-INCH EACH	(654.0105) CONCRETE BASES TYPE 5 EACH	(654.0200) CONCRETE CONTROL CABINET BASES TYPE 6 EACH	(655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF	(655.0615) ELECTRICAL WIRE LIGHTING 10 AWG LF	(655.0620) ELECTRICAL WIRE LIGHTING 8 AWG LF	(656.0200) ELECTRICAL SERVICE METER BREAKER PEDESTAL LS	(657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(657.0322) POLES TYPE 5-ALUMINUM EACH	(657.0710) LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FOOT EACH	(659.0115) LUMINAIRES UTILITY HPS 150 WATTS EACH	(SPV.0060.08) LIGHTING CONTROL CABINET EACH	(SPV.0060.09) DECORATIVE LUMINAIRE AND POLE ASSEMBLY 15-FT EACH
0040	PP-1	STA. 146+65, 30.5' LT	PP-1	STA. 146+65, 30.5' LT	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-
	PP-1	STA. 146+65, 30.5' LT	PB-1-1	STA. 146+45, 32' LT	-	-	18	-	-	1	-	-	-	39	72	-	-	-	-	-	-	-
	PB-1-1	STA. 146+45, 32' LT	POLE-1-1	STA. 146+08, 21' LT	-	-	36	-	-	-	1	-	138	36	144	-	1	1	1	1	-	-
	POLE-1-1	STA. 146+08, 21' LT	POLE-1-2	STA. 144+87, 23' LT	-	-	117	-	-	-	1	-	138	117	468	-	1	1	1	1	-	-
	POLE-1-2	STA. 144+87, 23' LT	POLE-1-3	STA. 143+52, 23' LT	-	-	135	-	-	-	1	-	138	135	540	-	1	1	1	1	-	-
	POLE-1-3	STA. 143+52, 23' LT	POLE-1-4	STA. 142+17, 23' LT	-	-	135	-	-	-	1	-	138	135	540	-	1	1	1	1	-	-
	POLE-1-4	STA. 142+17, 23' LT	PB-1-2	STA. 140+75, 26' LT	-	-	140	-	-	1	-	-	-	140	560	-	-	-	-	-	-	-
	PB-1-2	STA. 140+75, 26' LT	POLE-1-5	STA. 140+78, 41' LT	-	-	15	-	-	-	1	-	138	63	60	-	1	1	1	1	-	-
	PB-1-2	STA. 140+75, 26' LT	POLE-1-6	STA. 507+70, 70' RT	-	-	80	-	-	-	1	-	138	80	160	-	1	1	1	1	-	-
	POLE-1-6	STA. 507+70, 70' RT	PB-1-3	STA. 508+32, 28' RT	-	-	66	-	-	1	-	-	-	135	132	-	-	-	-	-	-	-
	PB-1-3	STA. 508+32, 28' RT	PB-1-4	STA. 508+17, 34' LT	-	-	65	-	-	1	-	-	-	65	130	-	-	-	-	-	-	-
	PB-1-4	STA. 508+17, 34' LT	POLE-1-7	STA. 508+20, 33' LT	-	-	5	-	-	-	1	-	138	18	20	-	1	1	1	1	-	-
	POLE-1-7	STA. 508+20, 33' LT	POLE-1-9	STA. 509+27, 26' LT	-	-	100	-	-	-	1	-	138	100	200	-	1	1	1	1	-	-
	PB-1-4	STA. 508+17, 34' LT	POLE-1-8	STA. 138+88, 69' LT	-	-	69	-	-	-	1	-	138	69	138	-	1	1	1	1	-	-
	PB-1-2	STA. 140+75, 26' LT	PB-1-5	STA. 140+56, 45' RT	-	-	74	-	-	1	-	-	-	74	148	-	-	-	-	-	-	-
	PB-1-5	STA. 140+56, 45' RT	POLE-2-1	STA. 140+57, 60' RT	-	-	14	-	-	-	1	-	138	31	28	-	1	1	1	1	-	-
	POLE-2-1	STA. 140+57, 60' RT	POLE-2-2	STA. 505+65, 37' RT	-	-	98	-	-	-	1	-	138	98	196	-	1	1	1	1	-	-
	POLE-2-2	STA. 505+65, 37' RT	PB-1-6	STA. 505+61, 37' RT	-	-	4	-	-	1	-	-	-	15	16	-	-	-	-	-	-	-
	PB-1-6	STA. 505+61, 37' RT	POLE-2-3	STA. 504+60, 25' RT	-	-	102	-	-	-	1	-	138	102	204	-	1	1	1	1	-	-
	PB-1-6	STA. 505+61, 37' RT	PB-1-7	STA. 505+64, 27' LT	-	-	63	-	-	1	-	-	-	63	126	-	-	-	-	-	-	-
	PB-1-7	STA. 505+64, 27' LT	POLE-2-4	STA. 506+43, 70' LT	-	-	74	-	-	-	1	-	138	151	148	-	1	1	1	1	-	-
	POLE-2-4	STA. 506+43, 70' LT	POLE-2-5	STA. 138+21, 33' RT	-	-	91	-	-	-	1	-	138	91	182	-	1	1	1	1	-	-
	POLE-2-5	STA. 138+21, 33' RT	POLE-2-6	STA. 137+22, 25' RT	-	-	100	-	-	-	1	-	138	100	200	-	1	1	1	1	-	-
	PP-1	STA. 146+65, 33.5' LT	PB-1-8	STA. 146+79, 31' LT	-	-	12	-	-	1	-	-	-	51	24	-	-	-	-	-	-	-
	PB-1-8	STA. 146+79, 31' LT	POLE-3-1	STA. 147+28, 21' LT	-	-	50	-	-	-	1	-	138	150	100	-	1	1	1	1	-	-
	POLE-3-1	STA. 147+28, 21' LT	POLE-3-2	STA. 148+45, 21' LT	-	-	110	-	-	-	1	-	138	330	220	-	1	1	1	1	-	-
	POLE-3-2	STA. 148+45, 21' LT	POLE-3-3	STA. 149+67, 20' LT	-	-	114	-	-	-	1	-	138	342	228	-	1	1	1	1	-	-
	POLE-3-3	STA. 149+67, 20' LT	PB-1-9	STA. 150+48, 24' LT	-	-	76	-	-	1	-	-	-	228	152	-	-	-	-	-	-	-
	PB-1-9	STA. 150+48, 24' LT	PB-1-10	STA. 150+71, 24' LT	-	30	-	-	-	1	-	-	-	126	60	-	-	-	-	-	-	-
	PB-1-10	STA. 150+71, 24' LT	POLE-3-4	STA. 150+97, 23' LT	-	-	26	-	-	-	1	-	138	107	52	-	1	1	1	1	-	-
	POLE-3-4	STA. 150+97, 23' LT	POLE-3-5	STA. 152+08, 23' LT	-	-	112	-	-	-	1	-	138	336	224	-	1	1	1	1	-	-
	POLE-3-5	STA. 152+08, 23' LT	PB-1-11	STA. 153+00, 26' LT	-	-	93	-	-	1	-	-	-	279	186	-	-	-	-	-	-	-
	PB-1-11	STA. 153+00, 26' LT	POLE-3-6	STA. 153+12, 23' LT	-	-	12	-	-	-	1	-	138	51	-	-	1	1	1	1	-	-
	PB-1-11	STA. 153+00, 26' LT	PB-1-12	STA. 154+03, 23' LT	-	-	102	-	-	1	-	-	-	102	204	-	-	-	-	-	-	-
	PB-1-12	STA. 154+03, 23' LT	PB-1-13	STA. 154+56, 25' RT	-	-	72	-	-	1	-	-	-	150	144	-	-	-	-	-	-	-
	PB-1-13	STA. 154+56, 25' RT	POLE-4-1	STA. 154+60, 25' RT	-	-	3	-	-	-	1	-	138	9	6	-	1	1	1	1	-	-
	POLE-4-1	STA. 154+60, 25' RT	POLE-4-2	STA. 155+80, 25' RT	-	-	120	-	-	-	1	-	138	120	240	-	1	1	1	1	-	-
	POLE-4-2	STA. 155+80, 25' RT	POLE-4-3	STA. 156+75, 24' RT	-	-	96	-	-	-	1	-	138	96	192	-	1	1	1	1	-	-
	POLE-4-3	STA. 156+75, 24' RT	POLE-4-4	STA. 157+79, 24' RT	-	-	104	-	-	-	1	-	138	104	208	-	1	1	1	1	-	-
	POLE-4-4	STA. 157+79, 24' RT	POLE-4-5	STA. 158+79, 24' RT	-	-	100	-	-	-	1	-	138	100	200	-	1	1	1	1	-	-
	CATEGORY 0040 TOTALS				**1**	**30**	**2,803**	**0**	**0**	**13**	**26**	**1**	**3,588**	**4,538**	**6,852**	**1**	**26**	**26**	**26**	**26**	**1**	**0**
0050	PP-2	STA. 168+20, 22' LT	PP-2	STA. 168+20, 22' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PP-2	STA. 168+20, 22' LT	PB-2-2	STA. 168+15, 22' LT	-	-	-	-	1	-	-	-	-	10	30	-	-	-	-	-	-	-
	PB-2-2	STA. 168+15, 22' LT	POLE-3-1	STA. 168+10, 22' LT	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-
	PB-2-2	STA. 168+15, 22' LT	POLE-3-2	STA. 166+43, 23' LT	-	-	147	25	-	-	1	-	108	688	516	-	-	-	-	-	-	1
	POLE-3-2	STA. 166+43, 23' LT	POLE-3-3	STA. 164+84, 22' LT	-	-	159	-	-	-	1	-	108	636	477	-	-	-	-	-	-	1
	POLE-3-3	STA. 164+84, 22' LT	POLE-3-4	STA. 163+17, 22' LT	-	-	174	-	-	-	1	-	108	696	522	-	-	-	-	-	-	1
	POLE-3-4	STA. 163+17, 22' LT	PB-2-6	STA. 163+12, 23' LT	-	-	5	-	-	1	-	-	-	28	10	-	-	-	-	-	-	-
	PB-2-6	STA. 163+12, 23' LT	PB-2-7	STA. 162+21, 22' LT	-	-	90	-	-	1	-	-	-	456	180	-	-	-	-	-	-	-
	PB-2-7	STA. 162+21, 22' LT	POLE-3-5	STA. 161+17, 25' LT	-	-	102	-	-	-	1	-	108	408	204	-	-	-	-	-	-	1
	PP-2	STA. 168+20, 22' LT	PB-2-1	STA. 168+52.25, 22.5' LT	-	-	29	-	-	-	-	-	-	29	87	-	-	-	-	-	-	-
	PB-2-1	STA. 168+52.25, 22.5' LT	PB-2-3	STA. 168+48.75, 23' RT	-	-	45	-	1	-	-	-	-	45	135	-	-	-	-	-	-	-
	PB-2-3	STA. 168+48.75, 23' RT	POLE-4-1	STA. 168+53.25, 23' RT	-	-	6	-	-	-	-	-	-	6	12	-	-	-	-	-	-	-
	PB-2-3	STA. 168+48.75, 23' RT	POLE-4-2	STA. 167+26, 24' RT	-	-	123	-	-	-	1	-	108	246	615	-	-	-	-	-	-	1
	POLE-4-2	STA. 167+26, 24' RT	PB-2-4	STA. 166+45, 24' RT	-	-	81	-	-	1	-	-	-	246	405	-	-	-	-	-	-	-
	PB-2-4	STA. 166+45, 24' RT	PB-2-5	STA. 165+34, 24RT	-	-	110	-	-	1	-	-	-	220	550	-	-	-	-	-	-	-
	PB-2-5	STA. 165+34, 24' RT	POLE-4-3	STA. 165+50, 23' RT	-	-	16	-	-	-	1	-	108	83	160	-	-	-	-	-	-	1
	PB-2-5	STA. 165+34, 24' RT	POLE-4-4	STA. 164+04, 24' RT	-	-	122	-	-	-	1	-	108	244	610	-	-	-	-	-	-	1
	POLE-4-4	STA. 164+04, 24' RT	POLE-4-5	STA. 162+19, 23' RT	-	-	184	-	-	-	1	-	108	368	920	-	-	-	-	-	-	1
	POLE-4-5	STA. 162+19, 23' RT	POLE-4-6	STA. 160+35, 26' RT	-	-	186	-	-	-	1	-	108	372	744	-	-	-	-	-	-	1
	CATEGORY 0050 TOTALS				**0**	**0**	**1,579**	**25**	**2**	**4**	**9**	**0**	**972**	**4,799**	**6,177**	**0**	**0**	**0**	**0**	**0**	**0**	**9**
	OVERALL PROJECT TOTALS				**1**	**30**	**4,382**	**25**	**2**	**17**	**35**	**1**	**4,560**	**9,337**	**13,029**	**1**	**26**	**26**	**26**	**26**	**1**	**9**

LIGHTING UNIT, BLACK FINISH

CATEGORY	ID	(SPV.0060.07) EACH
0050	POLE-1-1	1
	POLE-1-2	1
	POLE-1-3	1
	POLE-1-4	1
	POLE-1-5	1
	POLE-1-6	1
	POLE-1-7	1
	POLE-1-8	1
	POLE-1-9	1
	POLE-2-1	1
	POLE-2-2	1
	POLE-2-3	1
	POLE-2-4	1
	POLE-2-5	1
	POLE-2-6	1
	POLE-3-1	1
	POLE-3-2	1
	POLE-3-3	1
	POLE-3-4	1
	POLE-3-5	1
	POLE-3-6	1
	POLE-4-1	1
	POLE-4-2	1
	POLE-4-3	1
	POLE-4-4	1
	POLE-4-5	1
CATEGORY 0050 TOTAL		**26**
OVERALL PROJECT TOTAL		**26**

WATER VALVE AND BOX

CATEGORY	STATION	OFFSET	(SPV.0060.16) WATER VALVE AND BOX 6-INCH COMPLETE EACH	(SPV.0060.17) WATER VALVE AND BOX 10-INCH COMPLETE EACH
0060	138+29	27.9' RT	1	-
	165+33	20.6' RT	-	1
	508+05	30.1' LT	1	-
CATEGORY 0060 TOTALS			**2**	**1**
OVERALL PROJECT TOTALS			**2**	**1**

WATER TEE

CATEGORY	STATION	OFFSET	(SPV.0060.19) WATER 10x6-INCH TEE EACH	(SPV.0060.20) WATER 10-INCH TEE EACH
0060	138+29	0.9' LT	1	-
	165+71	29.3' RT	-	1
CATEGORY 0060 TOTALS			**1**	**1**
OVERALL PROJECT TOTALS			**1**	**1**

10-INCH PLUG

CATEGORY	STATION	OFFSET	(SPV.0060.31) EACH
0060	138+68	26.5' LT	1
CATEGORY 0060 TOTAL			**1**
OVERALL PROJECT TOTAL			**1**

YARD HYDRANT

CATEGORY	STATION	OFFSET	(SPV.0060.33) EACH
0060	506+97	11.4' RT	1
CATEGORY 0060 TOTAL			**1**
OVERALL PROJECT TOTAL			**1**

REMOVE, SALVAGE, AND REINSTALL EXISTING HYDRANT

CATEGORY	STATION	OFFSET	(SPV.0060.13) EACH
0060	153+41	40.0' RT	1
	163+35	30.5' RT	1
	153+91	33.3' RT	1
CATEGORY 0060 TOTAL			**3**
OVERALL PROJECT TOTAL			**3**

REMOVE AND SALVAGE EXISTING HYDRANT AND VALVE/BOX

CATEGORY	STATION	OFFSET	(SPV.0060.29) EACH
0060	138+68	26.5' LT	1
	508+05	17.0' RT	1
CATEGORY 0060 TOTAL			**2**
OVERALL PROJECT TOTAL			**2**

REMOVE AND SALVAGE EXISTING HYDRANT

CATEGORY	STATION	OFFSET	(SPV.0060.28) EACH
0060	138+66	23.9' LT	1
	508+05	16.3' RT	1
CATEGORY 0060 TOTAL			**2**
OVERALL PROJECT TOTAL			**2**

ADJUST EXISTING HYDRANT

CATEGORY	STATION	OFFSET	(SPV.0060.27) EACH
0060	142+66	25.6' LT	1
	151+31	25.6' LT	1
	159+43	25.0' LT	1
	510+12	21.3' RT	1
CATEGORY 0060 TOTAL			**4**
OVERALL PROJECT TOTAL			**4**

HYDRANT, COMPLETE

CATEGORY	STATION	OFFSET	(SPV.0060.26) EACH
0060	138+29	33.7' RT	1
	508+05	35.3' LT	1
CATEGORY 0060 TOTAL			**2**
OVERALL PROJECT TOTAL			**2**

DUCTILE IRON 45-DEGREE BEND, 10-INCH

CATEGORY	STATION	OFFSET	(SPV.0060.18) EACH
0060	162+21	18.1' RT	1
	162+25	21.6' RT	1
	162+33	21.7' RT	1
	162+37	17.8' RT	1
	165+36	20.7' RT	1
	165+43	28.7' RT	1
	166+48	29.6' RT	1
	166+61	16.8' RT	1
CATEGORY 0060 TOTAL			**8**
OVERALL PROJECT TOTAL			**8**

ABANDON EXISTING WATER SERVICE AND CURB STOP

CATEGORY	STATION	OFFSET	(SPV.0060.12) EACH
0060	506+64	44.0' LT	1
CATEGORY 0060 TOTAL			**1**
OVERALL PROJECT TOTAL			**1**

1-INCH CORPORATION, CURB STOP, AND BOX

CATEGORY	STATION	OFFSET	(SPV.0060.21) EACH
0060	506+64	70.4' LT	1
	506+98	11.9' RT	1
CATEGORY 0060 TOTAL			**2**
OVERALL PROJECT TOTAL			**2**

ADJUST EXISTING WATER CURB STOP

CATEGORY	STATION	OFFSET	(SPV.0060.25) EACH
0060	154+76	23.0' RT	1
	157+23	34.5' RT	1
	157+40	25.6' LT	1
	162+70	31.0' RT	1
	165+20	32.5' RT	1
	165+95	28.3' LT	1
	166+84	34.0' RT	1
	501+81	28.4' RT	1
	504+80	26.2' RT	1
	505+46	26.8' RT	1
	508+61	27.9' RT	1
CATEGORY 0060 TOTAL			**11**
OVERALL PROJECT TOTAL			**11**

1-INCH COPPER WATER SERVICE

CATEGORY	STATION	LOCATION	(SPV.0090.11) LF
0060	506+73	DIVISION STREET	72
	506+97	ROUNDABOUT - DIVISION/GRAYSIDE	8
CATEGORY 0060 TOTAL			**80**
OVERALL PROJECT TOTAL			**80**

ADJUST EXISTING WATER VALVE BOX LESS THAN OR EQUAL TO 6-INCHES

CATEGORY	STATION	OFFSET	(SPV.0060.23) EACH
0060	149+91	2.0' LT	1
	151+26	10.5' LT	1
	151+31	15.2' LT	1
	153+23	11.5' LT	1
	153+91	7.9' LT	1
	159+42	20.6' LT	1
	159+49	15.5' LT	1
	162+18	18.0' RT	1
	162+44	16.5' RT	1
	163+35	18.9' RT	1
	165+69	19.3' LT	1
	166+64	17.0' RT	1
	506+48	0.5' RT	1
	507+14	2.9' RT	1
	510+12	21.3' RT	1
	512+09	9.0' RT	1
	513+91	9.4' RT	1
	517+13	13.6' RT	1
	520+12	12.7' RT	1
	520+14	10.5' RT	1
	520+40	21.8' RT	1
	520+48	11.2' RT	1
	523+87	9.4' RT	1
	527+46	9.8' RT	1
	529+69	9.6' RT	1
	532+36	11.0' RT	1
CATEGORY 0060 TOTAL			**26**
OVERALL PROJECT TOTAL			**26**

ADJUST EXISTING WATER VALVE BOX MORE THAN 6-INCHES

CATEGORY	STATION	OFFSET	(SPV.0060.24) EACH
0060	142+61	9.4' LT	1
	142+91	6.4' LT	1
	143+32	9.9' LT	1
	153+39	14.9' LT	1
	153+43	11.3' LT	1
	159+84	20.5' LT	1
	162+19	18.1' RT	1
	162+44	16.4' RT	1
	163+97	15.0' RT	1
	504+31	29.0' LT	1
CATEGORY 0060 TOTAL			**10**
OVERALL PROJECT TOTAL			**10**

SPECIAL TRENCH BEDDING

CATEGORY	(SPV.0035.01) CY
0060	100
CATEGORY 0060 TOTAL	**100**
OVERALL PROJECT TOTAL	**100**

GRANULAR BACKFILL SPECIAL

CATEGORY	(SPV.0195.01) TON
0060	1,000
CATEGORY 0060 TOTAL	**1,000**
OVERALL PROJECT TOTAL	**1,000**

CONNECT TO EXISTING WATER MAIN

CATEGORY	STATION	OFFSET	(SPV.0060.22) EACH
0060	138+29	0.9' LT	1
	162+18	18.0' RT	1
	162+43	18.0' RT	1
	165+38	20.5' RT	1
	166+64	16.9' RT	1
	508+05	2.3' RT	1
CATEGORY 0060 TOTAL			**6**
OVERALL PROJECT TOTAL			**6**

WATER MAIN

CATEGORY	STATION - STATION	LOCATION	(SPV.0090.08) DUCTILE IRON WATER MAIN 6-INCH LF	(SPV.0090.09) DUCTILE IRON WATER MAIN 10-INCH LF	(SPV.0090.10) PVC WATER MAIN 10-INCH LF
0060	138+29, RT	GRAYSIDE AVENUE	34	-	-
	153+91, RT	UNION STREET	8	-	-
	162+18 - 162+43	UNION STREET	-	-	28
	165+38 - 166+64	UNION STREET	-	138	-
	508+05, LT	DIVISION STREET	38	-	-
CATEGORY 0060 TOTALS			**80**	**138**	**28**
OVERALL PROJECT TOTALS			**80**	**138**	**28**

WATER MAIN ENCASEMENT

CATEGORY	STATION TO STATION	LOCATION	(SPV.0090.12) LF
0060	165+33 - 166+61	LT	128
CATEGORY 0060 TOTAL			**128**
OVERALL PROJECT TOTAL			**128**

FLUOROCARBON GASKETS

CATEGORY	STATION TO STATION	LOCATION	(SPV.0060.32) EACH
0060	165+33 - 166+61	RT	15
CATEGORY 0060 TOTAL			**15**
OVERALL PROJECT TOTAL			**15**

RIGID INSULATION

CATEGORY	(SPV.0165.01) SF
0060	500
CATEGORY 0060 TOTAL	**500**
OVERALL PROJECT TOTAL	**500**

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE LESS THAN OR EQUAL TO 6-INCHES

CATEGORY	STATION	OFFSET	(SPV.0060.14) EACH
0060	146+91	32.8' RT	1
	149+81	22.2' RT	1
	153+75	2.0' RT	1
	153+75	9.0' RT	1
	156+59	9.0' RT	1
	159+05	9.3' RT	1
	160+71	13.0' LT	1
	166+27	1.5' RT	1
	501+81	28.4' RT	1
	503+04	11.0' LT	1
	510+36	2.3' RT	1
CATEGORY 0060 TOTAL			**11**
OVERALL PROJECT TOTAL			**11**

NEW CASTING, REPLACE ADJUSTMENT, WATERPROOF, AND ADJUST EXISTING SANITARY MANHOLE MORE THAN 6-INCHES

CATEGORY	STATION	OFFSET	(SPV.0060.15) EACH
0060	141+24	7.1' LT	1
	143+02	4.9' LT	1
	164+26	5.0' LT	1
	507+09	11.6' LT	1
CATEGORY 0060 TOTAL			**4**
OVERALL PROJECT TOTAL			**4**

ADJUST EXISTING SANITARY MANHOLE

CATEGORY	STATION	OFFSET	(SPV.0060.30) EACH
0060	510+37	1.5' RT	1
	512+03	0.5' RT	1
	513+37	2.7' RT	1
	516+14	2.1' RT	1
	520+27	5.1' RT	1
	522+09	5.3' RT	1
	523+95	1.9' RT	1
	525+85	0.7' RT	1
	527+64	9' RT	1
	531+12	2.0' RT	1
	MILWAUKEE STREET		1
CATEGORY 0060 TOTAL			**11**
OVERALL PROJECT TOTAL			**11**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

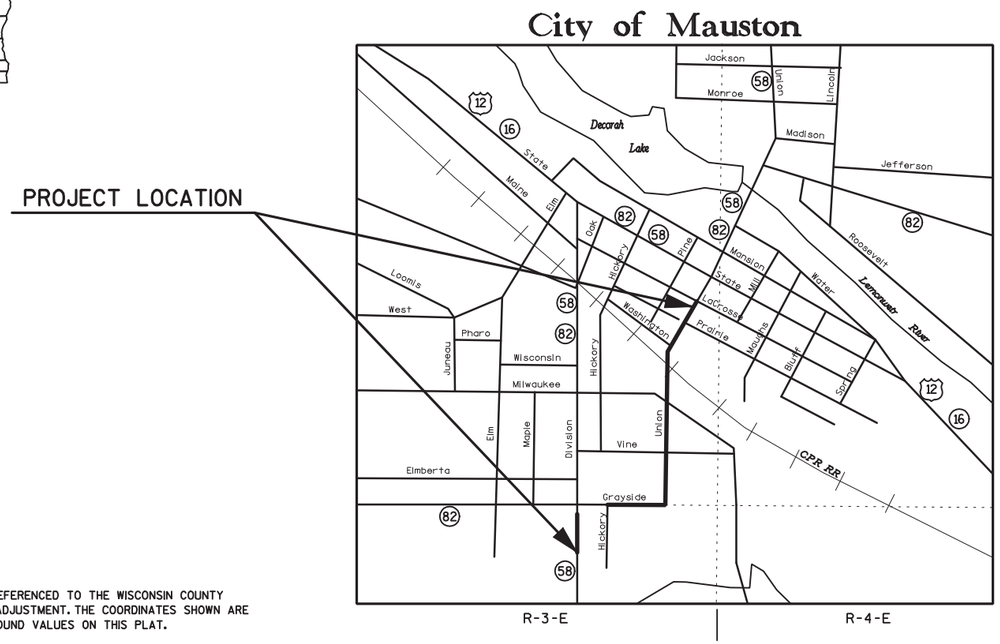
TRANSPORTATION PROJECT PLAT TITLE SHEET

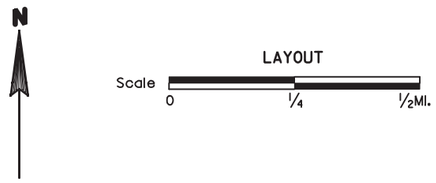
PROJECT NO. 5020-05-21

STH 58/82 REDESIGNATION, CITY OF MAUSTON

STH 58
JUNEAU COUNTY







NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, JUNEAU COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY BASED ON RECORDED PLATS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY. ALL TLEs EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	PAGE	P.
ACCESS RIGHTS	AR	PERMANENT LIMITED EASEMENT	PLE
ACRES	AC.	PROPERTY LINE	PL
AND OTHERS	ET.AL.	RECORDED AS	(100')
CENTERLINE	C/L	REFERENCE LINE	R/L
CERTIFIED SURVEY MAP	CSM	RELEASE OF RIGHTS	ROR
CORNER	COR.	REMAINING	REM.
DOCUMENT	DOC.	RIGHT-OF-WAY	R/W
EASEMENT	EASE.	SECTION	SEC.
HIGHWAY EASEMENT	H.E.	SQUARE FEET	S.F.
LAND CONTRACT	LC	STATION	STA.
MONUMENT	MON.	TEMPORARY LIMITED EASEMENT	TLE
		VOLUME	V.

CURVE DATA

POINT OF INTERSECTION	PI
POINT OF CURVE	PC
POINT OF TANGENCY	PT
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
LONG CHORD	LCH
LONG CHORD BEARING	LCB

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING R/W LINE	
R/W MONUMENT	● (SET)	PROPERTY LINE	P.L.
R/W STANDARD	▲ (SET)	EASEMENT LINES	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT	⊕	CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT (TLE)		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT (PLE)		SECTION LINE	
R/W POINT MONUMENT	●	QUARTER LINE	
R/W POINT NON-MONUMENTED	○	SIXTEENTH LINE	
R/W BOUNDARY POINT	101	EXISTING CENTERLINE	
PARCEL NUMBER	10	PROPOSED REFERENCE LINE	
UTILITY PARCEL NUMBER	92	PARALLEL OFFSET	
SIGN NUMBER (OFF PREMISE)	21		
BUILDING			
BUILDING TO BE RAZED			

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES ELECTRIC	OH	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

HIGHWAY DESIGNATIONS

COUNTY TRUNK HIGHWAY	#
STATE TRUNK HIGHWAY	#
UNITED STATES HIGHWAY	#
INTERSTATE HIGHWAY	#

PROJECT NUMBER 5020-05-21- 4.01
SHEET 2 OF 2

TRANSPORTATION PROJECT PLAT NO: 5020-05-21 - 4.01

STH 58/82 REDESIGNATION, CITY OF MAUSTON

PART OF LOTS 1 & 2 OF HEATH'S ADDITION; PART OF LOTS 4 & 5 OF SOUTHER'S SUBDIVISION; PART OF THE NW 1/4 OF NE 1/4 AND PART OF THE NE 1/4 OF NE 1/4 OF SECTION 13, T15N, R3E, ALL IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58, STH 82 EAST TO USH 12.

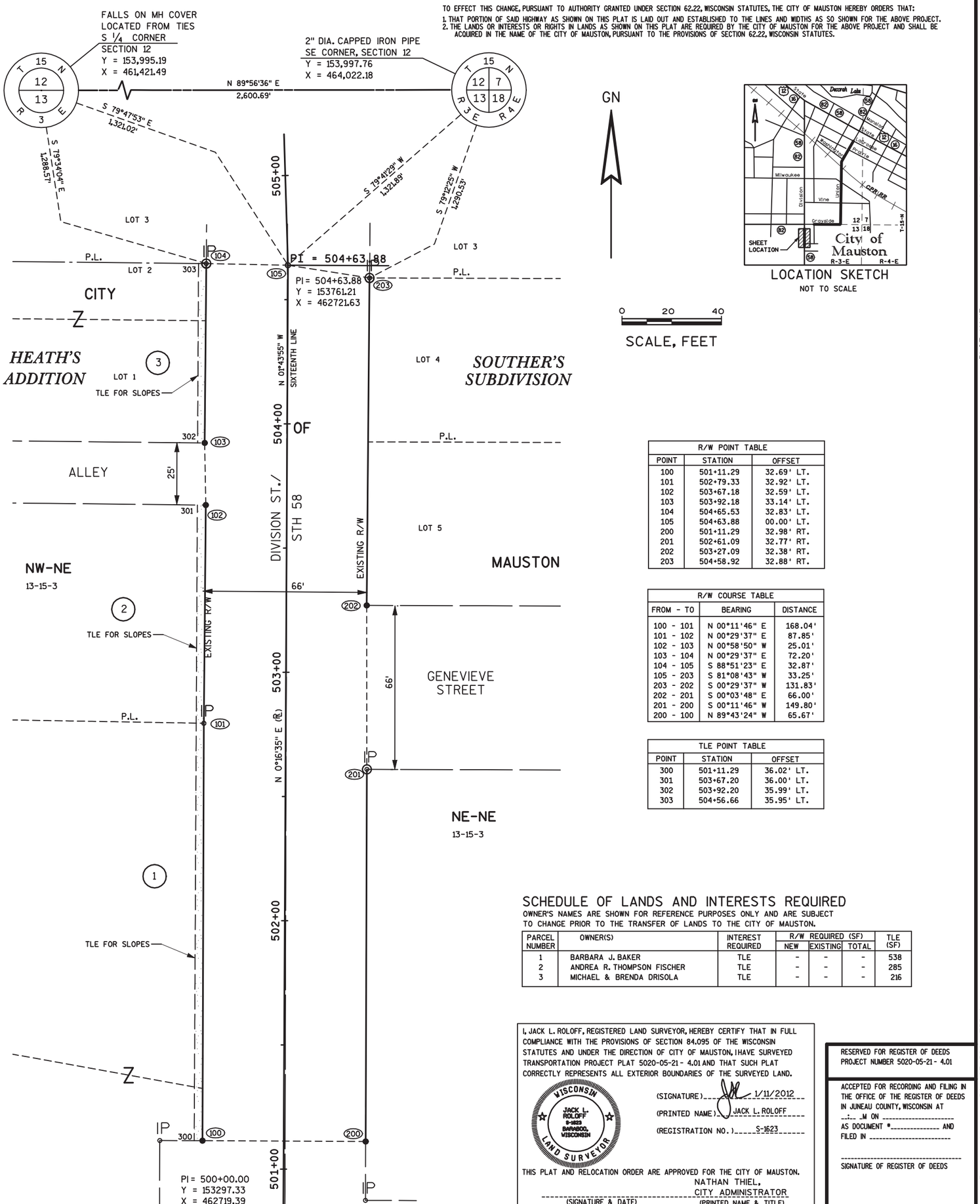
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF MAUSTON FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, AS SHEET 2 OF 2 OF THIS DOCUMENT.

EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS AND SUBDIVISIONS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.



LOCATION SKETCH

NOT TO SCALE

R/W POINT TABLE		
POINT	STATION	OFFSET
100	501+11.29	32.69' LT.
101	502+79.33	32.92' LT.
102	503+67.18	32.59' LT.
103	503+92.18	33.14' LT.
104	504+65.53	32.83' LT.
105	504+63.88	00.00' LT.
200	501+11.29	32.98' RT.
201	502+61.09	32.77' RT.
202	503+27.09	32.38' RT.
203	504+58.92	32.88' RT.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
100 - 101	N 00°11'46" E	168.04'
101 - 102	N 00°29'37" E	87.85'
102 - 103	N 00°58'50" W	25.01'
103 - 104	N 00°29'37" E	72.20'
104 - 105	S 88°51'23" E	32.87'
105 - 203	S 81°08'43" W	33.25'
203 - 202	S 00°29'37" W	131.83'
202 - 201	S 00°03'48" E	66.00'
201 - 200	S 00°11'46" W	149.80'
200 - 100	N 89°43'24" W	65.67'

TLE POINT TABLE		
POINT	STATION	OFFSET
300	501+11.29	36.02' LT.
301	503+67.20	36.00' LT.
302	503+92.20	35.99' LT.
303	504+56.66	35.95' LT.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF) NEW	EXISTING	TOTAL	TLE (SF)
1	BARBARA J. BAKER	TLE	-	-	-	538
2	ANDREA R. THOMPSON FISCHER	TLE	-	-	-	285
3	MICHAEL & BRENDA DRISOLA	TLE	-	-	-	216

I, JACK L. ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-21 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JACK L. ROLOFF S-1623 BARABOO, WISCONSIN LAND SURVEYOR

(SIGNATURE) _____ 1/11/2012

(PRINTED NAME) JACK L. ROLOFF

(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

NATHAN THIEL, CITY ADMINISTRATOR

(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-21 - 4.01

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT _:__ _M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

PLOT SCALE : $$.....plotscale.....$$
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT DATE : 8/9/2012
FILE NAME : k:\plansfs\ROW 6785001\TPP 01.dgn

TRANSPORTATION PROJECT PLAT NO: 5020-05-21 - 4.02

STH 58/82 REDESIGNATION, CITY OF MAUSTON

PART OF PARCEL A OF CSM# 1595, VOL. 6, PAGE 31, DOC. NO. 311735; PART OF LOT 11 SOUTHER'S SUBDIVISION; PART OF THE NE 1/4 OF NE 1/4 OF SECTION 13, T15N, R3E AND PART OF THE SE 1/4 OF SE 1/4 OF SECTION 12, T15N, R3E, ALL IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58, STH 82 EAST TO USH 12.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF MAUSTON FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #689990 FILED IN VOL. 1 TPP, AS PAGE 70.

EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS AND SUBDIVISIONS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF) NEW	EXISTING	TOTAL(SF) = (AC)	TLE (SF) = (AC)
* 4	CITY OF MAUSTON	FEE & TLE	13,412	17,765	31,177 = 0.716	11,547 = 0.265
98	MAUSTON WASTEWATER UTILITY	ROR	-	-	-	-
99	WISCONSIN POWER & LIGHT (ELEC.)	ROR	-	-	-	-

26,103 SF OF EXISTING RIGHT OF WAY TO BE VACATED AFTER THE COMPLETION OF THE PROJECT.

* - FOR INFORMATION ONLY.

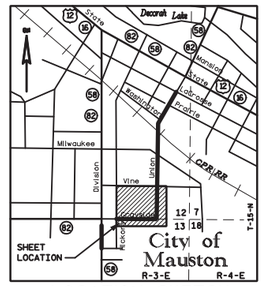
R/W POINT TABLE		
POINT	STATION	OFFSET
106	142+65.19	33.00' LT.
107	146+00.00	29.10' LT.
108	146+25.32	29.00' LT.
109	150+14.92	29.00' LT.
110	150+69.74	33.00' LT.
111	153+25.63	33.00' LT.
204	142+65.19	33.00' RT.
205	143+31.16	33.00' RT.
206	145+46.81	33.00' RT.
207	146+00.00	29.00' RT.
208	149+65.23	29.00' RT.
209	150+28.80	35.77' RT.
210	150+73.04	32.92' RT.
211	153+15.15	32.92' RT.
212	153+23.78	35.43' RT.
213	156+29.66	46.13' RT.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
106 - 107	S 89°56'45" E	329.91'
107 - 108	N 78°52'02" E	23.09'
109 - 110	N 00°22'56" E	52.03'
110 - 111	N 03°14'31" E	255.89'
111 - 213	S 89°40'49" E	79.23'
213 - 212	S 64°25'45" W	12.21'
212 - 211	S 19°27'58" W	9.00'
211 - 210	S 03°14'31" W	242.10'
210 - 209	S 00°22'56" W	46.23'
209 - 208	S 17°24'24" W	70.03'
207 - 206	S 81°30'46" W	58.26'
206 - 205	N 89°56'45" W	215.65'
205 - 204	N 89°56'45" W	65.97'
204 - 106	N 00°03'15" E	66.00'

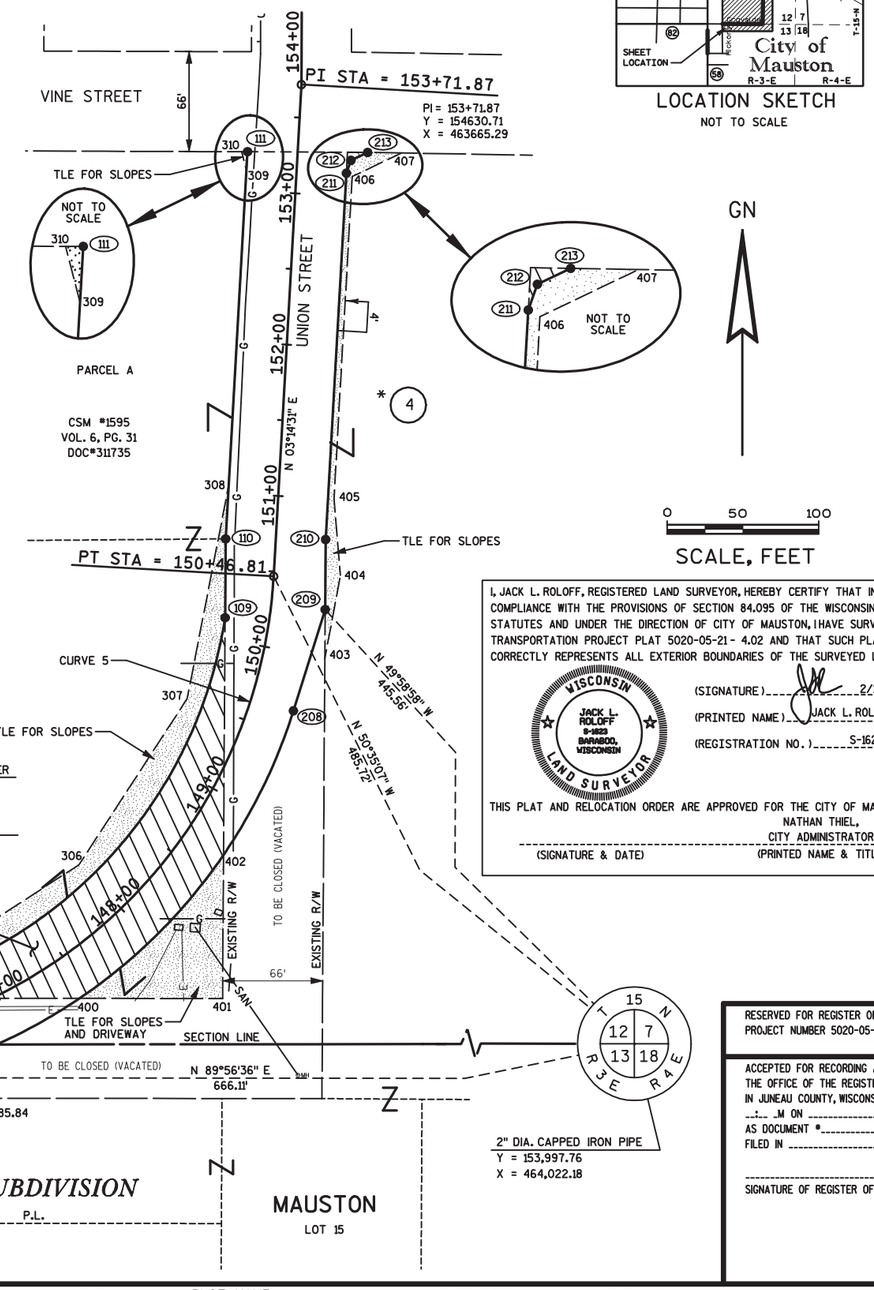
TLE POINT TABLE		
POINT	STATION	OFFSET
304	145+46.81	33.00' LT.
305	146+50.00	35.00' LT.
306	148+00.00	40.00' LT.
307	149+50.00	40.00' LT.
308	151+05.00	33.00' LT.
309	153+13.22	33.00' LT.
310	153+25.42	36.86' LT.
400	147+43.66	29.00' RT.
401	148+05.48	89.37' RT.
402	148+67.70	29.00' RT.
403	150+00.00	40.56' RT.
404	150+50.00	44.00' RT.
405	151+00.00	36.92' RT.
406	153+13.18	36.92' RT.
407	153+30.56	68.50' RT.

R/W CURVE TABLE				
FROM - TO	CURVE LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
108 - 109	355.37'	335.08'	N 42°36'02" E	301.00'
208 - 207	397.32'	377.35'	S 49°06'46" W	359.00'

CURVE 5
PI = 148+58.94
Y = 153994.54
X = 463629.26
Δ = 86°48'45"
D = 17°21'44"
T = 312.13'
L = 500.00'
R = 330.00'
PC = 145+46.81
PT = 150+46.81



LOCATION SKETCH
NOT TO SCALE



I, JACK L. ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-21 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JACK L. ROLOFF S-1623 BARABOO, WISCONSIN LAND SURVEYOR

(SIGNATURE) _____ 2/15/2012

(PRINTED NAME) JACK L. ROLOFF

(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

NATHAN THIEL, CITY ADMINISTRATOR

(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-21 - 4.02

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT __:__ __M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : k:\planshts\ROW 6785001\TPP 02.dgn PLOT DATE : 8/9/2012 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

4.02

TRANSPORTATION PROJECT PLAT NO: 5020-05-21 - 4.03

STH 58/82 REDESIGNATION, CITY OF MAUSTON

PART OF LOT #1 OF CSM #282, VOL. 2, PG. 37-38; PART OF LOT #1 OF CSM #2318, VOL. 9, PG. 70; PART OF LOTS 16 AND 18 OF CASE'S ADDITION AND PART OF THE SE 1/4 OF SE 1/4 OF SECTION 12, T15N, R3E, ALL IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58, STH 82 EAST TO USH 12.

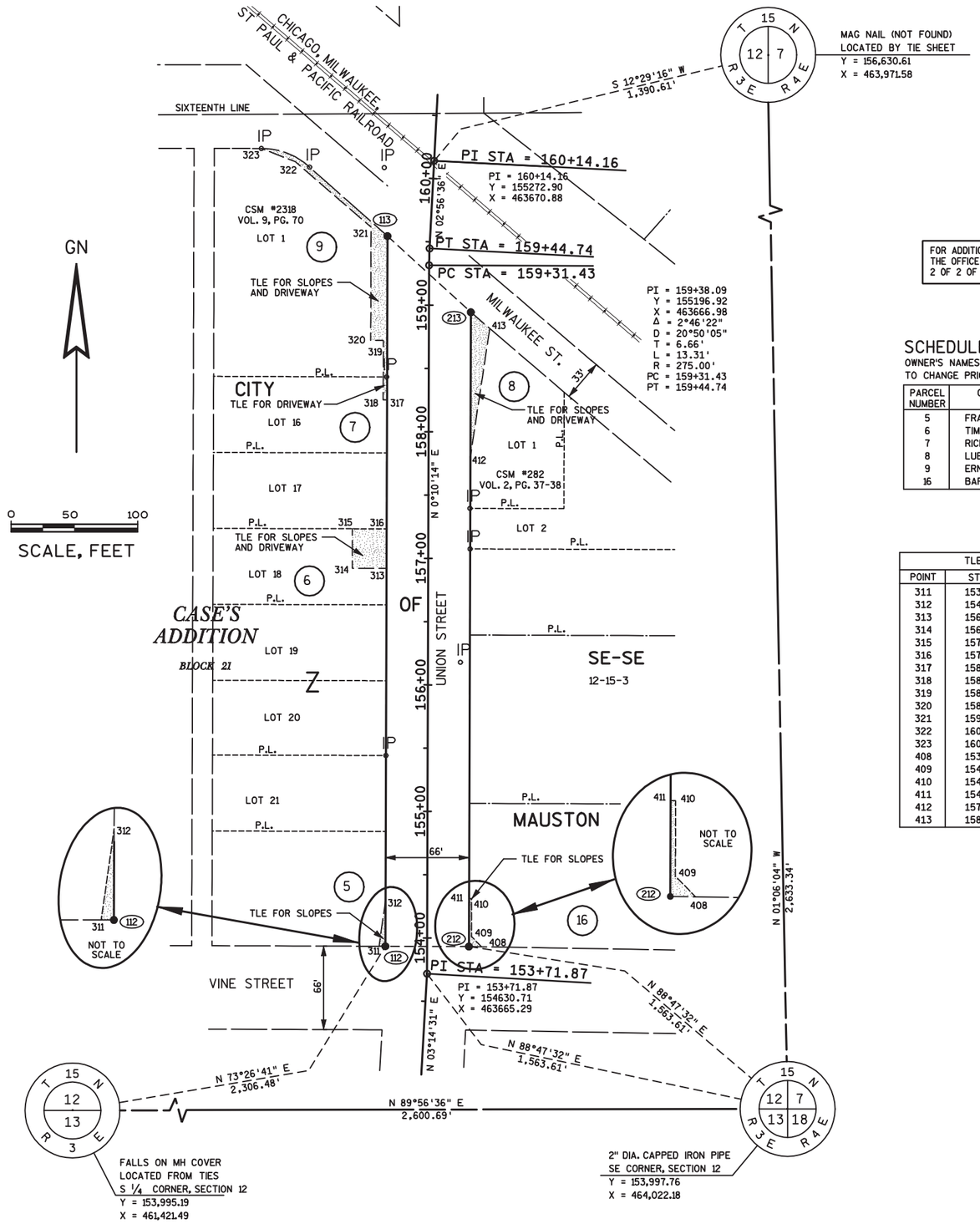
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF MAUSTON FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #689990 FILED IN VOL. 1 TPP, AS PAGE 70.

EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS AND SUBDIVISIONS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.



SCHEDULE OF LANDS AND INTERESTS REQUIRED

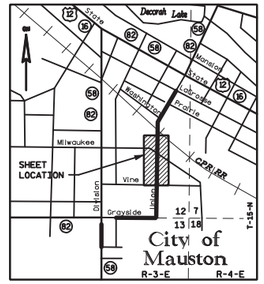
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF) NEW	EXISTING	TOTAL	TLE (SF)
5	FRANCES H. SCHROEDER	TLE	-	-	-	90
6	TIMOTHY J. DELMORE	TLE	-	-	-	842
7	RICHARD E. ZORBAUGH	TLE	-	-	-	55
8	LUEHMAN REAL ESTATE	TLE	-	-	-	859
9	ERNEST A. & AUDREY J. SCHMOCKER	TLE	-	-	-	1,613
16	BARBARA & MICHAEL HOILIEN	TLE	-	-	-	108

TLE POINT TABLE		
POINT	STATION	OFFSET
311	153+93.46	38.00' LT.
312	154+29.49	33.00' LT.
313	156+92.00	33.00' LT.
314	156+92.00	60.00' LT.
315	157+23.18	60.00' LT.
316	157+23.20	33.00' LT.
317	158+25.00	33.00' LT.
318	158+25.00	36.00' LT.
319	158+72.00	36.00' LT.
320	158+72.00	46.00' LT.
321	159+59.18	47.08' LT.
322	160+07.73	109.46' LT.
323	160+16.80	136.81' LT.
408	153+93.27	43.00' RT.
409	154+01.38	35.00' RT.
410	154+31.27	35.00' RT.
411	154+31.27	33.00' RT.
412	157+80.00	33.00' RT.
413	158+81.72	48.00' RT.

R/W POINT TABLE		
POINT	STATION	OFFSET
112	153+93.46	33.00' LT.
113	159+52.80	33.75' LT.
212	153+93.41	33.00' RT.
213	158+94.50	33.00' RT.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
112 - 113	N 00°10'14" E	560.96'
113 - 213	S 47°35'32" E	89.14'
213 - 212	S 00°10'14" W	501.09'
212 - 112	N 89°47'07" W	66.00'



LOCATION SKETCH

NOT TO SCALE

I, JACK L. ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-21- 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JACK L. ROLOFF S-1623 BARABOO, WISCONSIN LAND SURVEYOR

(SIGNATURE) _____ 2/15/2012

(PRINTED NAME) JACK L. ROLOFF

(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

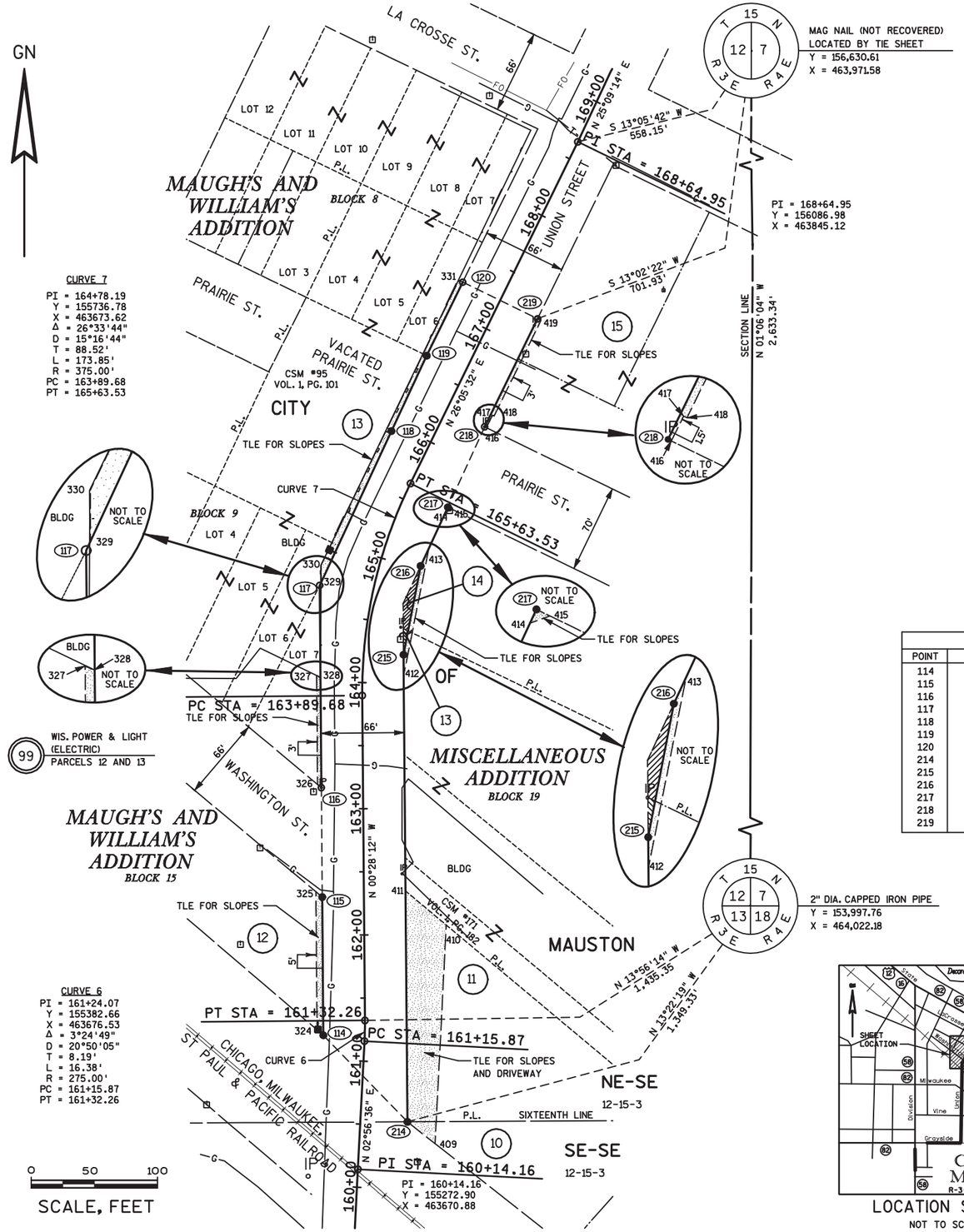
NATHAN THIEL, CITY ADMINISTRATOR

(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-21- 4.03

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT
__:__ __M ON _____
AS DOCUMENT #_____ AND
FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS



TRANSPORTATION PROJECT PLAT NO: 5020-05-21 - 4.04

STH 58/82 REDESIGNATION, CITY OF MAUSTON

PART OF LOT 6 OF BLOCK 8; PART OF LOTS 6 & 7 OF BLOCK 9; PART OF BLOCK 15 ALL OF MAUGH'S AND WILLIAM'S ADDITION; PART OF CSM #95, VOL 1, PG 101; PART OF VACATED PRAIRIE STREET; PART OF BLOCK 19 OF THE MISCELLEANOUS ADDITION; PART OF THE NE ¼ OF SE ¼ AND PART OF THE SE ¼ OF THE SE ¼ OF SECTION 12, T15N, R3E, ALL IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58, STH 82 EAST TO USH 12.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #689990 FILED IN VOL. 1 TPP, AS PAGE 70.

EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF)			TLE (SF)
			NEW	EXISTING	TOTAL	
10	JUNEAU COUNTY(JERMOOS, INC.)	TLE	-	-	-	198
11	CMC HEARTLAND PARTNERS	TLE	-	-	-	4,709
12	DOMANN'S FARM SUPPLY, INC.	TLE	-	-	-	548
13	PETER CONLIN & ALFRED F. GABOWER REVOCABLE TRUST	FEE & TLE	39	-	39	1,450
14	RANDY FENWICK	FEE & TLE	247	-	247	223
15	STEVEN & LISA BUCHNEIER	TLE	-	-	-	269
99	WISCONSIN POWER & LIGHT (ELEC.)	ROR	-	-	-	-

R/W POINT TABLE		
POINT	STATION	OFFSET
114	161+19.20	32.73' LT.
115	162+30.32	33.00' LT.
116	163+16.97	33.00' LT.
117	164+68.92	42.28' LT.
118	165+94.19	31.78' LT.
119	166+60.14	33.00' LT.
120	167+25.00	32.98' LT.
214	160+53.74	37.25' RT.
215	164+24.73	31.50' RT.
216	165+03.07	31.50' RT.
217	165+59.30	34.90' RT.
218	166+29.69	33.00' RT.
219	167-25.00	33.00' RT.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
214 - 114	N 44°08'48" W	95.57'
114 - 115	N 00°28'12" W	109.56'
115 - 116	N 00°28'12" W	86.66'
116 - 117	N 00°28'12" W	160.23'
117 - 118	N 24°56'31" E	134.85'
118 - 119	N 25°02'04" E	65.96'
119 - 120	N 26°06'51" E	64.86'
120 - 219	S 63°54'28" E	65.98'
219 - 218	S 26°05'32" W	95.31'
218 - 217	S 24°31'05" W	70.02'
217 - 216	S 24°56'31" W	51.32'
216 - 215	S 10°52'15" W	71.63'
215 - 214	S 00°28'12" E	370.11'

TLE POINT TABLE		
POINT	STATION	OFFSET
324	161+23.97	37.89' LT.
325	162+34.57	38.00' LT.
326	163+19.53	36.00' LT.
327	164+04.46	36.32' LT.
328	164+03.16	33.26' LT.
329	164+71.22	41.69' LT.
330	164+83.09	44.75' LT.
331	167+25.00	36.46' LT.
409	160+37.65	60.00' RT.
410	161+07.32	65.07' RT.
411	162+34.61	33.00' RT.
412	164+07.00	32.63' RT.
413	165+20.00	33.34' RT.
414	165+54.90	34.91' RT.
415	165+59.27	38.90' RT.
416	166+29.69	34.50' RT.
417	166+40.70	34.50' RT.
418	166+40.70	36.00' RT.
419	167+25.00	36.00' RT.



LOCATION SKETCH

NOT TO SCALE

I, JACK L. ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-21- 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — JACK L. ROLOFF — S-1623 — BARABOO, WISCONSIN — LAND SURVEYOR

(SIGNATURE) _____ 2/15/2012

(PRINTED NAME) JACK L. ROLOFF

(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

NATHAN THIEL, CITY ADMINISTRATOR

(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-21- 4.04

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT __:__ _M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : k:\planshts\ROW 6785001\TPP 04.dgn PLOT DATE : 8/9/2012 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

4.04

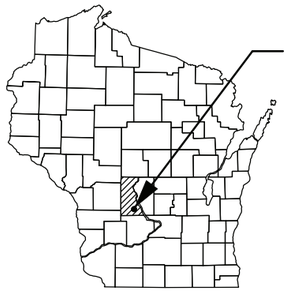
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

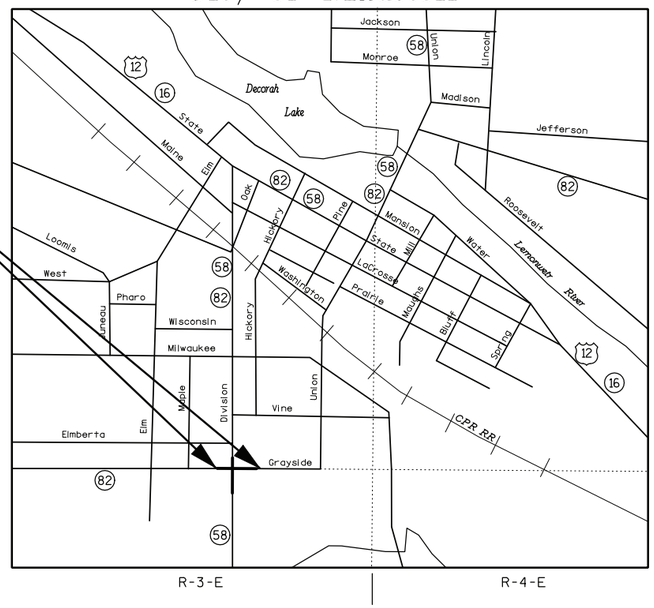
PROJECT NO. 5020-05-23

STH 58/82 REDESIGNATION, MAUSTON

GRAYSIDE & DIVISION STREET INTERSECTION
JUNEAU COUNTY



PROJECT LOCATION



N

LAYOUT

Scale 0 1/4 1/2MI.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, JUNEAU COUNTY ZONE, NAD83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY ¾" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY BASED ON RECORDED PLATS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY. ALL TLEs EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	PAGE	P.
ACCESS RIGHTS	AR	PERMANENT LIMITED EASEMENT	PLE
ACRES	AC.	PROPERTY LINE	PL
AND OTHERS	ET.AL.	RECORDED AS	(100')
CENTERLINE	C/L	REFERENCE LINE	R/L
CERTIFIED SURVEY MAP	CSM	RELEASE OF RIGHTS	ROR
CORNER	COR.	REMAINING	REM.
DOCUMENT	DOC.	RIGHT-OF-WAY	R/W
EASEMENT	EASE.	SECTION	SEC.
HIGHWAY EASEMENT	H.E.	SQUARE FEET	S.F.
LAND CONTRACT	LC	STATION	STA.
MONUMENT	MON.	TEMPORARY LIMITED EASEMENT	TLE
		VOLUME	V.

CURVE DATA

POINT OF INTERSECTION	PI
POINT OF CURVE	PC
POINT OF TANGENCY	PT
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
LONG CHORD	LCH
LONG CHORD BEARING	LCB

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING R/W LINE	
R/W MONUMENT	○ ●(SET)	PROPERTY LINE	P.L.
R/W STANDARD	△ ▲(SET)	EASEMENT LINES	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT	⊕	CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT (TLE)		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT (PLE)		SECTION LINE	
R/W POINT MONUMENT	●	QUARTER LINE	
R/W POINT NON-MONUMENTED	○	SIXTEENTH LINE	
R/W BOUNDARY POINT	101	EXISTING CENTERLINE	
PARCEL NUMBER	10	PROPOSED REFERENCE LINE	
UTILITY PARCEL NUMBER	92	PARALLEL OFFSET	
SIGN NUMBER (OFF PREMISE)	21-1	BUILDING	
		BUILDING TO BE RAZED	

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES ELECTRIC	OH	
CABLE TELEVISION	E	
FIBER OPTIC	TV	
SANITARY SEWER	FO	
STORM SEWER	SAN	
POWER POLE	SS	
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

HIGHWAY DESIGNATIONS

COUNTY TRUNK HIGHWAY	#
STATE TRUNK HIGHWAY	#
UNITED STATES HIGHWAY	#
INTERSTATE HIGHWAY	#

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-23 - 4.01
SHEET 2 OF 2

DOCUMENT #686205

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT 8:00 A.M. ON JUNE 14, 2011 AND FILED IN VOLUME 1 TPPS, PAGES 66-67

THE ORIGINAL DOCUMENT WAS SIGNED BY CHRISTIE L. BENDER
INDEX JC PLAT #50166

PARCEL 2 (MARTIN) HAS BEEN VACATED V.***, P.***, DOC.*******

4

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF) NEW	EXISTING	TOTAL(SF) = (AC)	TLE (SF) = (AC)
1	CHRISTOPHER K. & KIMBERLY PUFAHL	FEE & TLE	12	-	12	76
~~2~~	~~JEFFREY A. MARTIN~~	~~TLE~~	~~-~~	~~-~~	~~-~~	~~48~~
3	KARLA F. PETROWITZ	FEE & TLE	2,830	-	2,830 = 0.065	2,110 = 0.048
4	ONOKA I. & SHARON C. PUFAHL	FEE & TLE	2,469	-	2,469 = 0.057	6,756 = 0.155
5	ROBERT L. & NANCY CERNEY	TLE	-	-	-	127
* 6	CITY OF MAUSTON	FEE & TLE	4,743	16,959	21,702 = 0.498	1,830 = 0.042
7	VIVIAN CLEMENTS	FEE & TLE	87	-	87	110
** 8	MICHAEL A. & ERIN T. STENGEL	FEE & TLE	3,648	-	3,648 = 0.084	5,779 = 0.133
9	YEE VANG	TLE	-	-	-	781
98	WISCONSIN POWER & LIGHT (ELEC.)	ROR	-	-	-	-
99	WISCONSIN POWER & LIGHT (GAS)	ROR	-	-	-	-
100	FRONTIER COMMUNICATIONS	ROR	-	-	-	-

* - FOR INFORMATION ONLY.
** - ACQUIRED UNDER TPP 5020-05-23 - 4.01, RECORDED AS DOCUMENT NUMBER 686205.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 5020-05-23 - 4.01 RECORDED AS DOCUMENT #686205, FILED IN VOL. 1 TPPS, PAGES 66 & 67.

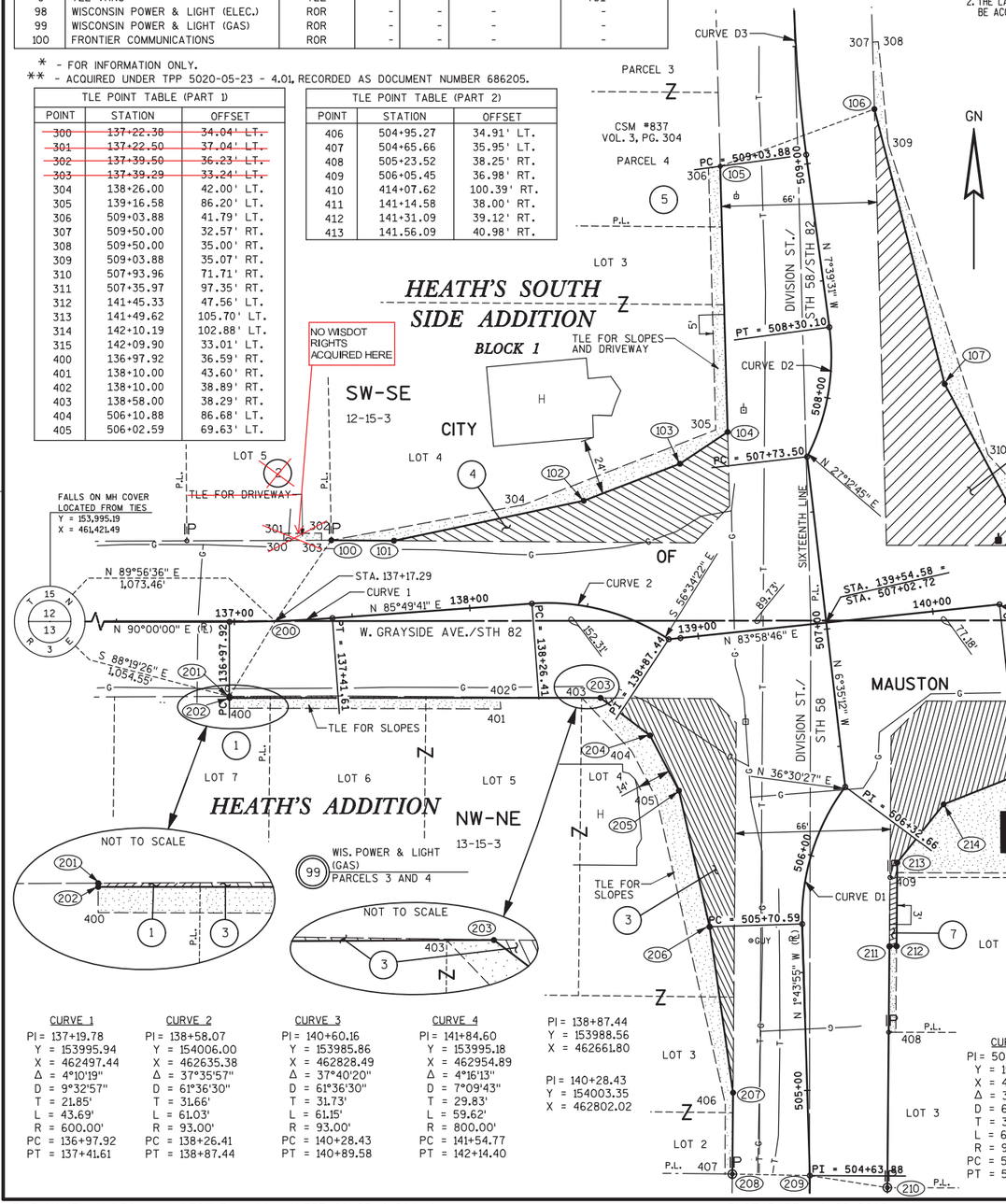
EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS AND SUBDIVISIONS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

TLE POINT TABLE (PART 1)

POINT	STATION	OFFSET
~~300~~	~~137+22.38~~	~~34.04' LT.~~
~~301~~	~~137+22.50~~	~~37.04' LT.~~
~~302~~	~~137+39.50~~	~~36.23' LT.~~
~~303~~	~~137+39.29~~	~~33.24' LT.~~
304	138+26.00	42.00' LT.
305	139+16.58	86.20' LT.
306	509+03.88	41.79' LT.
307	509+50.00	32.57' RT.
308	509+50.00	35.00' RT.
309	509+03.88	35.07' RT.
310	507+93.96	71.71' RT.
311	507+35.97	97.35' RT.
312	141+45.33	47.56' LT.
313	141+49.62	105.70' LT.
314	142+10.19	102.88' LT.
315	142+09.90	33.01' LT.
400	136+97.92	36.59' RT.
401	138+10.00	43.60' RT.
402	138+10.00	38.89' RT.
403	138+58.00	38.29' RT.
404	506+10.88	86.68' LT.
405	506+02.59	69.63' LT.

TLE POINT TABLE (PART 2)

POINT	STATION	OFFSET
406	504+95.27	34.91' LT.
407	504+65.66	35.95' LT.
408	505+23.52	38.25' RT.
409	506+05.45	36.98' RT.
410	414+07.62	100.39' RT.
411	141+14.58	38.00' RT.
412	141+31.09	39.12' RT.
413	141.56.09	40.98' RT.



PI = 138+87.44
Y = 153988.56
X = 462661.80

PI = 140+28.43
Y = 154003.35
X = 462802.02

PI = 506+32.66
Y = 153926.01
X = 462736.61

PI = 507+73.50
Y = 154065.92
X = 462720.45

CURVE 1
PI = 137+19.78
Y = 153995.94
X = 462497.44
Δ = 4°10'19"
D = 9°32'57"
T = 21.85'
L = 43.69'
R = 600.00'
PC = 136+97.92
PT = 137+41.61

CURVE 2
PI = 138+58.07
Y = 154006.00
X = 462635.38
Δ = 37°40'20"
D = 61°36'30"
T = 31.66'
L = 61.03'
R = 93.00'
PC = 138+26.41
PT = 138+87.44

CURVE 3
PI = 140+60.16
Y = 153985.86
X = 462828.49
Δ = 37°40'20"
D = 61°36'30"
T = 31.73'
L = 61.15'
R = 93.00'
PC = 140+28.43
PT = 140+89.58

CURVE 4
PI = 141+84.60
Y = 153995.18
X = 462954.89
Δ = 4°16'13"
D = 7°09'43"
T = 29.83'
L = 59.62'
R = 800.00'
PC = 141+54.77
PT = 142+14.40

CURVE D1
PI = 506+02.83
Y = 153900.09
X = 462717.43
Δ = 38°14'23"
D = 61°36'30"
T = 32.24'
L = 62.07'
R = 93.00'
PC = 505+70.59
PT = 506+32.66

CURVE D2
PI = 508+02.71
Y = 154091.89
X = 462733.81
Δ = 34°52'16"
D = 61°36'30"
T = 29.21'
L = 56.60'
R = 93.00'
PC = 507+73.50
PT = 508+30.10

CURVE D3
PI = 509+36.10
Y = 154225.90
X = 462715.79
Δ = 6°08'52"
D = 9°32'57"
T = 32.22'
L = 64.38'
R = 600.00'
PC = 509+03.88
PT = 509+68.26

TRANSPORTATION PROJECT PLAT NO: 5020-05-23 - 4.01, AMENDMENT NO: 1

ADDS PARCELS 1, 2, 3, 4, 5, 6, 7, 9, 98, 99 AND 100 TO TRANSPORTATION PROJECT PLAT NO: 5020-05-23 -4.01, RECORDED AS DOCUMENT #686205, FILED IN VOL. 1 TPPS PAGE 66.

STH 58/82 REDESIGNATION, MAUSTON

PART OF CSM #837, VOL. 3, PAGE 304, PARCEL 4; PART OF LOTS 3, 4 AND 5 IN BLOCK ONE OF HEATH'S SOUTH SIDE ADDITION; PART OF LOTS 4, 5, 6, AND 7 OF HEATH'S ADDITION; PART OF LOTS 2 AND 10 OF SOUTHER'S SUBDIVISION AND PART OF THE SE 1/4 OF THE SE 1/4 OF SECTION 12, T15N, R3E ALL BEING PART OF THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58 AND STH 82.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF MAUSTON FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

R/W POINT TABLE

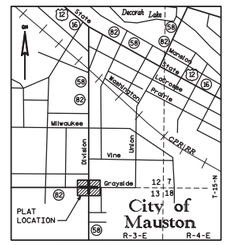
POINT	STATION	OFFSET
100	137+43.56	32.96' LT.
101	137+70.00	30.84' LT.
102	138+43.50	44.18' LT.
103	138+66.00	69.00' LT.
104	139+21.48	84.76' LT.
105	509+03.88	36.76' LT.
106	509+20.00	31.03' RT.
107	508+10.00	48.50' RT.
108	507+45.00	82.00' RT.
109	140+39.93	36.47' LT.
110	140+89.58	42.19' LT.
111	140+89.58	40.19' LT.
112	142+65.19	33.00' LT.

R/W POINT TABLE (PART 2)

POINT	STATION	OFFSET
200	137+17.29	00.00' RT.
201	136+97.92	31.59' RT.
202	136+97.92	32.24' RT.
203	138+70.35	35.71' RT.
204	506+63.75	79.68' LT.
205	506+06.34	61.82' LT.
206	505+70.59	39.29' LT.
207	505+00.00	31.49' LT.
208	504+65.53	32.83' LT.
209	504+63.88	00.00' RT.
210	504+58.92	32.88' RT.
211	505+60.00	36.66' RT.
212	505+60.00	39.66' RT.
213	506+11.96	35.44' RT.
214	139+96.00	81.85' RT.
215	140+89.58	36.26' RT.
216	141+15.15	30.89' RT.
217	141+31.84	29.15' RT.
218	142+65.19	33.00' RT.

R/W COURSE TABLE

FROM - TO	BEARING	DISTANCE
200 - 100	N 34°47'54" E	41.76'
100 - 101	S 89°35'13" E	26.52'
101 - 102	N 78°07'07" E	82.22'
102 - 103	N 68°58'57" E	43.71'
103 - 104	N 56°18'50" E	24.28'
104 - 105	N 01°35'14" W	112.68'
105 - 106	N 69°40'26" E	69.69'
106 - 107	S 14°20'01" E	120.22'
107 - 108	S 27°57'06" E	56.35'
108 - 109	S 53°59'29" E	28.43
109 - 110	S 89°56'45" E	28.85'
110 - 111	S 04°12'57" E	2.01''
111 - 112	S 89°56'45" E	178.36'
112 - 218	S 00°03'15" W	66.00'
218 - 217	N 89°56'45" W	131.06'
217 - 216	S 79°49'33" W	16.78'
216 - 215	S 73°55'35" W	26.12'
215 - 214	S 68°22'25" W	90.84'
214 - 213	S 38°34'03" W	31.57'
213 - 212	S 00°29'37" W	35.39'
212 - 211	S 88°16'05" W	3.00'
211 - 210	S 00°29'37" W	102.30'
210 - 209	N 81°08'43" W	33.25'
209 - 208	N 88°51'23" W	32.87'
208 - 207	N 00°29'37" E	34.49'
207 - 206	N 08°02'29" W	71.02'
206 - 205	N 12°40'57" W	59.13'
205 - 204	N 27°39'02" W	26.40'
204 - 203	N 52°47'47" W	26.40'
203 - 202	S 89°59'34" W	157.28'
202 - 201	N 00°00'00" E	0.65'
201 - 200	N 31°15'27" E	37.32'



LOCATION SKETCH
NOT TO SCALE

I, JACK ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-23 - 4.01, AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JACK L ROLOFF S-1623 BARABOO, WISCONSIN LAND SURVEYOR

(SIGNATURE) _____ 1/26/2012
(PRINTED NAME) JACK L. ROLOFF
(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

NATHAN THIEL, CITY ADMINISTRATOR
(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-23 - 4.01, AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNY, WISCONSIN AT 2:15 P.M. ON FEB. 8, 2012, AS DOCUMENT #689989 AND FILED IN VOL. 1 OF TPPS AS PAGE 68.

THE ORIGINAL DOCUMENT WAS SIGNED BY CHRISTIE L. BENDER, R.O.D.

4

TRANSPORTATION PROJECT PLAT NO: 5020-05-23 - 4.01

STH 58/82 REDESIGNATION, MAUSTON

PART OF LOT 1 OF SOUTHER'S SUBDIVISION, IN SECTION 13, T15N, R3E IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER STH 58 AND STH 82.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MAUSTON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MAUSTON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF MAUSTON FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MAUSTON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

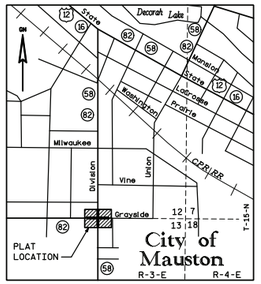
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANDS TO THE CITY OF MAUSTON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (SF)			TLE (SF)
			NEW	EXISTING	TOTAL(SF) = (AC)	
8	MICHAEL A. & ERIN T. STENGEL	FEE & TLE	3,648	-	3,648 = 0.084	5,779

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, SHEET 2 OF 2 OF THIS DOCUMENT.

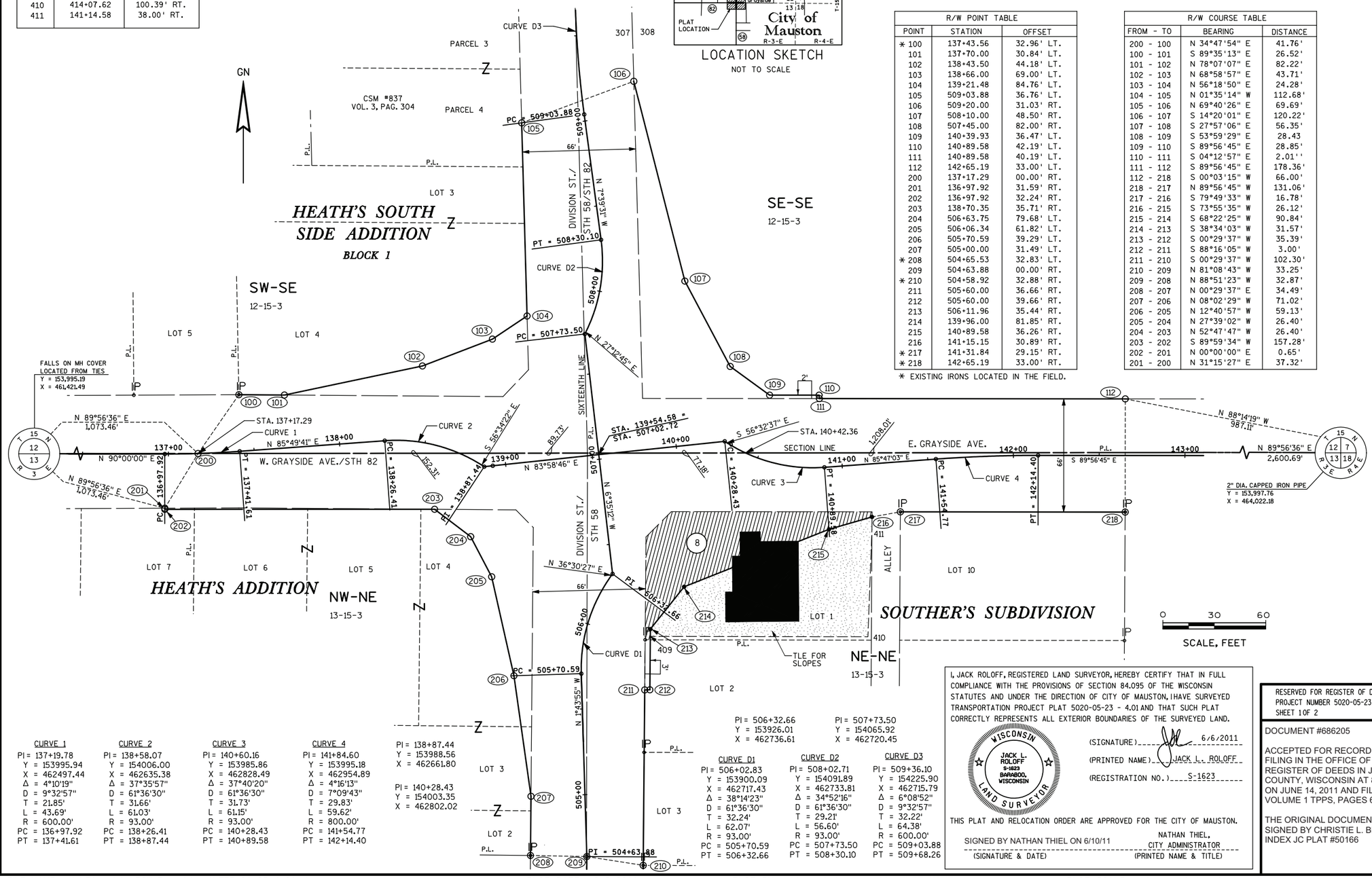
EXISTING HIGHWAY RIGHT-OF-WAY IS BASED ON RECORDED PLATS AND SUBDIVISIONS OF THE CITY OF MAUSTON, RECORDED CERTIFIED SURVEY MAPS, PLATS OF SURVEY AND EXISTING IRONS LOCATED IN THE FIELD.

TLE POINT TABLE		
POINT	STATION	OFFSET
409	506+05.45	36.98' RT.
410	414+07.62	100.39' RT.
411	141+14.58	38.00' RT.



LOCATION SKETCH

NOT TO SCALE



R/W POINT TABLE		
POINT	STATION	OFFSET
* 100	137+43.56	32.96' LT.
101	137+70.00	30.84' LT.
102	138+43.50	44.18' LT.
103	138+66.00	69.00' LT.
104	139+21.48	84.76' LT.
105	509+03.88	36.76' LT.
106	509+20.00	31.03' RT.
107	508+10.00	48.50' RT.
108	507+45.00	82.00' RT.
109	140+39.93	36.47' LT.
110	140+89.58	42.19' LT.
111	140+89.58	40.19' LT.
112	142+65.19	33.00' LT.
200	137+17.29	00.00' RT.
201	136+97.92	31.59' RT.
202	136+97.92	32.24' RT.
203	138+70.35	35.71' RT.
204	506+63.75	79.68' LT.
205	506+06.34	61.82' LT.
206	505+70.59	39.29' LT.
207	505+00.00	31.49' LT.
* 208	504+65.53	32.83' LT.
209	504+63.88	00.00' RT.
* 210	504+58.92	32.88' RT.
211	505+60.00	36.66' RT.
212	505+60.00	39.66' RT.
213	506+11.96	35.44' RT.
214	139+96.00	81.85' RT.
215	140+89.58	36.26' RT.
216	141+15.15	30.89' RT.
* 217	141+31.84	29.15' RT.
* 218	142+65.19	33.00' RT.

* EXISTING IRONS LOCATED IN THE FIELD.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
200 - 100	N 34°47'54" E	41.76'
100 - 101	S 89°35'13" E	26.52'
101 - 102	N 78°07'07" E	82.22'
102 - 103	N 68°58'57" E	43.71'
103 - 104	N 56°18'50" E	24.28'
104 - 105	N 01°35'14" W	112.68'
105 - 106	N 69°40'26" E	69.69'
106 - 107	S 14°20'01" E	120.22'
107 - 108	S 27°57'06" E	56.35'
108 - 109	S 53°59'29" E	28.43
109 - 110	S 89°56'45" E	28.85'
110 - 111	S 04°12'57" E	2.01''
111 - 112	S 89°56'45" E	178.36'
112 - 218	S 00°03'15" W	66.00'
218 - 217	N 89°56'45" W	131.06'
217 - 216	S 79°49'33" W	16.78'
216 - 215	S 73°55'35" W	26.12'
215 - 214	S 68°22'25" W	90.84'
214 - 213	S 38°34'03" W	31.57'
213 - 212	S 00°29'37" W	35.39'
212 - 211	S 88°16'05" W	3.00'
211 - 210	S 00°29'37" W	102.30'
210 - 209	N 81°08'43" W	33.25'
209 - 208	N 88°51'23" W	32.87'
208 - 207	N 00°29'37" E	34.49'
207 - 206	N 08°02'29" W	71.02'
206 - 205	N 12°40'57" W	59.13'
205 - 204	N 27°39'02" W	26.40'
204 - 203	N 52°47'47" W	26.40'
203 - 202	S 89°59'34" W	157.28'
202 - 201	N 00°00'00" E	0.65'
201 - 200	N 31°15'27" E	37.32'

CURVE 1	CURVE 2	CURVE 3	CURVE 4
PI = 137+19.78	PI = 138+58.07	PI = 140+60.16	PI = 141+84.60
Y = 153995.94	Y = 154006.00	Y = 153985.86	Y = 153995.18
X = 462497.44	X = 462635.38	X = 462828.49	X = 462954.89
Δ = 4°10'19"	Δ = 37°35'57"	Δ = 37°40'20"	Δ = 4°16'13"
D = 9°32'57"	D = 61°36'30"	D = 61°36'30"	D = 7°09'43"
T = 21.85'	T = 31.66'	T = 31.73'	T = 29.83'
L = 43.69'	L = 61.03'	L = 61.15'	L = 59.62'
R = 600.00'	R = 93.00'	R = 93.00'	R = 800.00'
PC = 136+97.92	PC = 138+26.41	PC = 140+28.43	PC = 141+54.77
PT = 137+41.61	PT = 138+87.44	PT = 140+89.58	PT = 142+14.40

CURVE D1	CURVE D2	CURVE D3
PI = 506+02.83	PI = 508+02.71	PI = 509+36.10
Y = 153900.09	Y = 154091.89	Y = 154225.90
X = 462717.43	X = 462733.81	X = 462715.79
Δ = 38°14'23"	Δ = 34°52'16"	Δ = 6°08'52"
D = 61°36'30"	D = 61°36'30"	D = 9°32'57"
T = 32.24'	T = 29.21'	T = 32.22'
L = 62.07'	L = 56.60'	L = 64.38'
R = 93.00'	R = 93.00'	R = 600.00'
PC = 505+70.59	PC = 507+73.50	PC = 509+03.88
PT = 506+32.66	PT = 508+30.10	PT = 509+68.26

I, JACK ROLOFF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF CITY OF MAUSTON, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5020-05-23 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JACK L. ROLOFF S-1623 BARABOO, WISCONSIN LAND SURVEYOR

(SIGNATURE) 6/6/2011

(PRINTED NAME) JACK L. ROLOFF

(REGISTRATION NO.) S-1623

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MAUSTON.

SIGNED BY NATHAN THIEL ON 6/10/11 — NATHAN THIEL, CITY ADMINISTRATOR

(SIGNATURE & DATE) (PRINTED NAME & TITLE)

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5020-05-23 - 4.01
SHEET 1 OF 2

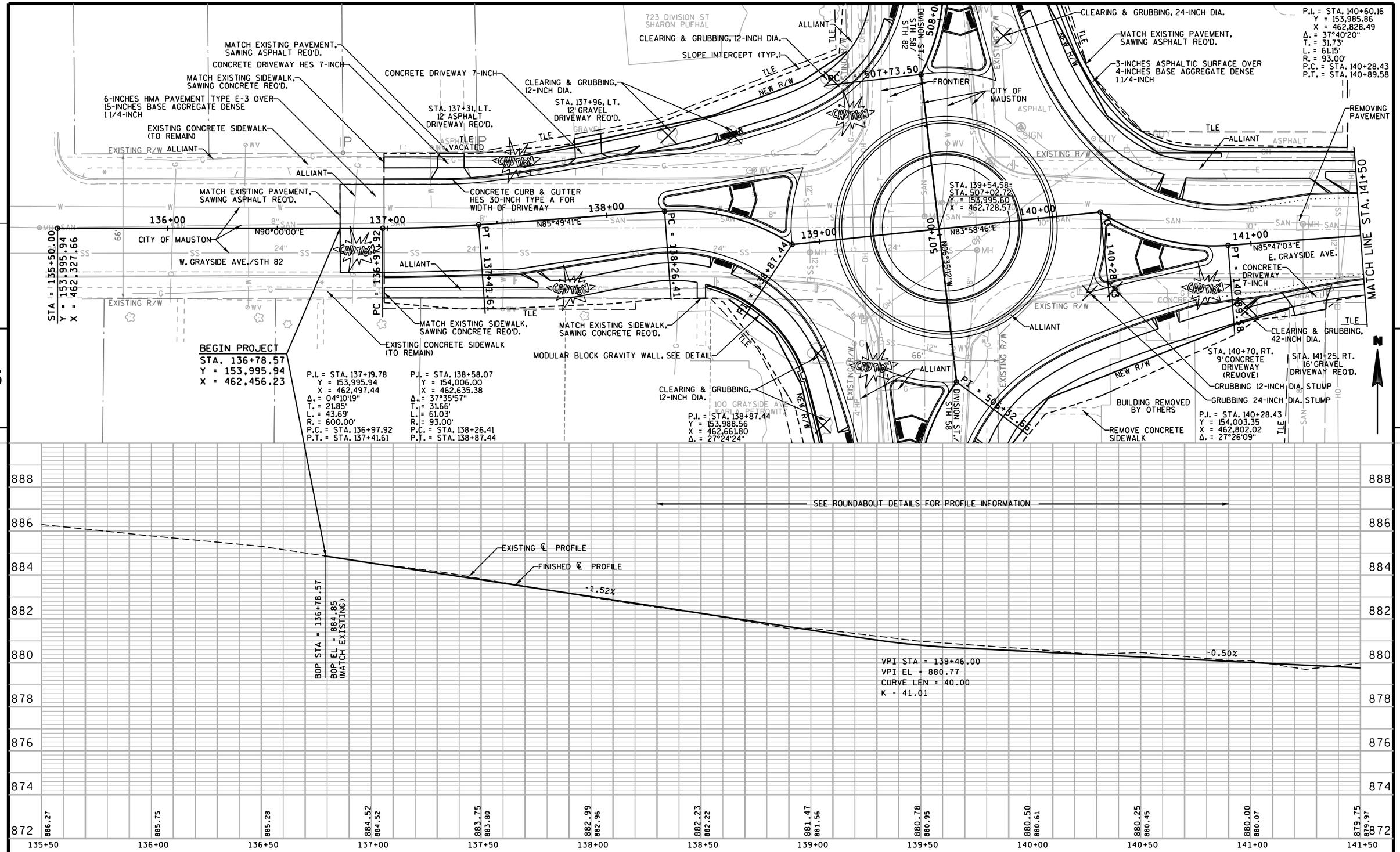
DOCUMENT #686205

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY, WISCONSIN AT 8:00 A.M. ON JUNE 14, 2011 AND FILED IN VOLUME 1 TPPS, PAGES 66-67

THE ORIGINAL DOCUMENT WAS SIGNED BY CHRISTIE L. BENDER INDEX JC PLAT #50166

FILE NAME : K:\Planshts\ROW Roundabout\TPP 01-23-4.01.dgn PLOT DATE : 6/6/2011 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

4.01



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - GRAYSIDE AVENUE	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40

panp01.dgn 2/5/2013 9:23:14 AM bhuibregtse

P.I. = STA. 141+84.60
Y = 153,995.18
X = 462,954.89
Δ. = 04°16'13"
T. = 29.83'
L. = 59.62'
R. = 800.00'
P.C. = STA. 141+54.77
P.T. = STA. 142+14.40

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

3-INCHES ASPHALTIC SURFACE OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

MATCH LINE STA. 141+50

STA. 141+90, LT. 32' ASPHALT DRIVEWAY REQ'D.

REMOVE AND SALVAGE FENCE TO NEAREST POST

CONCRETE DRIVEWAY 7-INCH

EXISTING CHAIN LINK FENCE TO REMAIN

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D.

ALLIANT

BIKE RACK

GATE ACCESS

STA. 145+15, LT. 16' CONC. DRIVEWAY APRON REQ'D.

CONCRETE DRIVEWAY 7-INCH

FENCE CHAIN LINK SALVAGED 6-FT

SLOPE INTERCEPT (TYP.)

MATCH LINE STA. 147+50

NEW R/W

EXISTING R/W

142+00 143+00 144+00 145+00 146+00 147+00

S89°56'45"E

E. GRAYSIDE AVE.

CITY OF MAUSTON

REMOVING PAVEMENT

ALLIANT

PC = 141+54.77

PT = 142+14.40

PC = 145+46.81

CAUTION

EXISTING BRICK RETAINING WALL TO REMAIN

INSTALL CONCRETE SIDEWALK 5-INCH TO FACE OF EXISTING RETAINING WALL (1/2" EXPANSION JOINT REQ'D.)

ASPHALT

STA. 145+14, RT. 24' ASPHALT DRIVEWAY REQ'D., SAWING ASPHALT REQ'D.

CONCRETE DRIVEWAY 7-INCH

OBLITERATE OLD ROAD

801 HICKORY ST
DOROTHY BETTHAUSER

800 HICKORY ST
LEE VANG

S. HICKORY ST.

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

5-INCHES ASPHALTIC SURFACE OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

66'

N

5

5

VPC STA = 142+06.00
VPC EL = 879.47
LP STA = 142+26.00
LP EL = 879.42
VPT STA = 142+46.00
VPT EL = 879.47

VPI STA = 142+26.00
VPI EL = 879.37
CURVE LEN = 40.00
K = 39.98

-0.50%

0.50%

VPI STA = 143+67.00
VPI EL = 880.07
CURVE LEN = 90.00
K = 33.58

VPC STA = 143+22.00
VPC EL = 879.85
HP STA = 143+38.79
HP EL = 879.89

VPT STA = 144+12.00
VPT EL = 879.09

EXISTING ℄ PROFILE
FINISHED ℄ PROFILE

2.18%

VPC STA = 146+00.00
VPC EL = 874.99

VPT STA = 147+00.00
VPT EL = 873.50

-0.80%

VPI STA = 146+50.00
VPI EL = 873.90
CURVE LEN = 100.00
K = 72.30

884 882 880 878 876 874 872 870 868

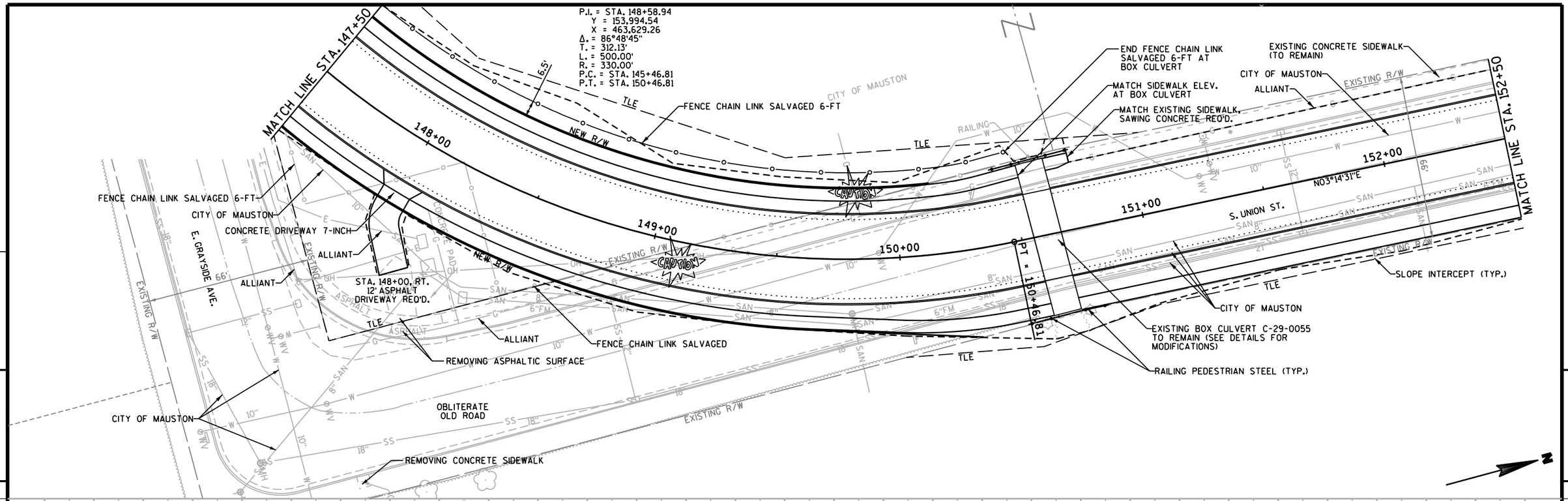
879.75 879.97 | 879.50 879.94 | 879.49 880.14 | 879.74 880.31 | 879.87 880.29 | 879.33 879.63 | 878.26 878.69 | 877.17 877.56 | 876.08 876.46 | 874.99 875.35 | 874.07 874.32 | 873.50 874.21 | 873.10 874.18

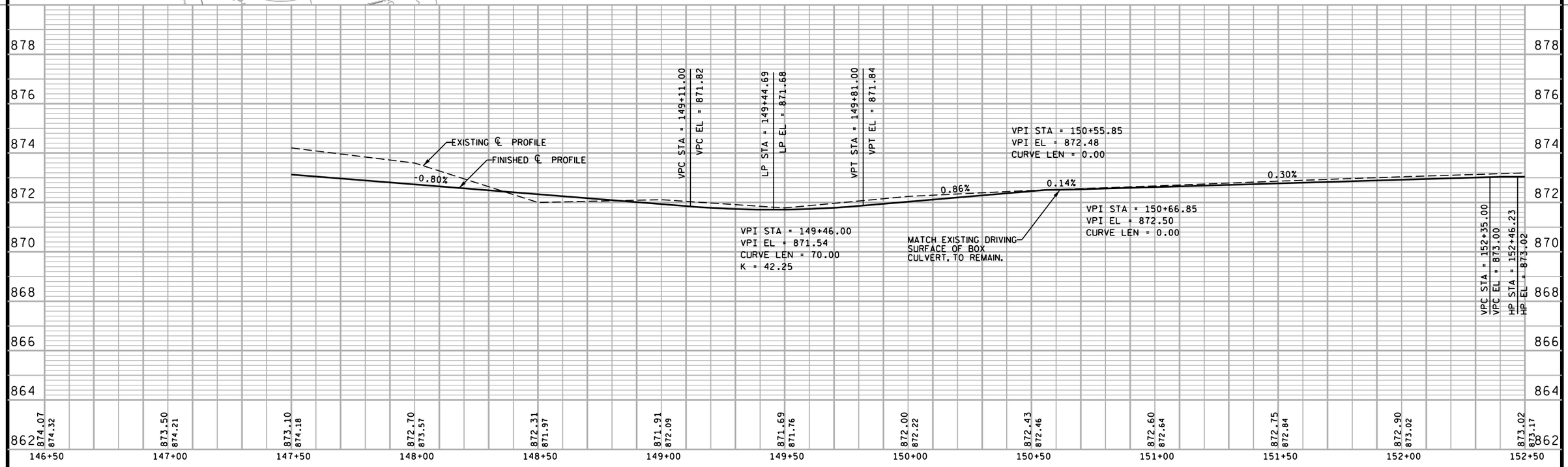
141+50 142+00 142+50 143+00 143+50 144+00 144+50 145+00 145+50 146+00 146+50 147+00 147+50

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - GRAYSIDE AVENUE	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

panp02.dgn 2/5/2013 9:23:16 AM bhuibregtse

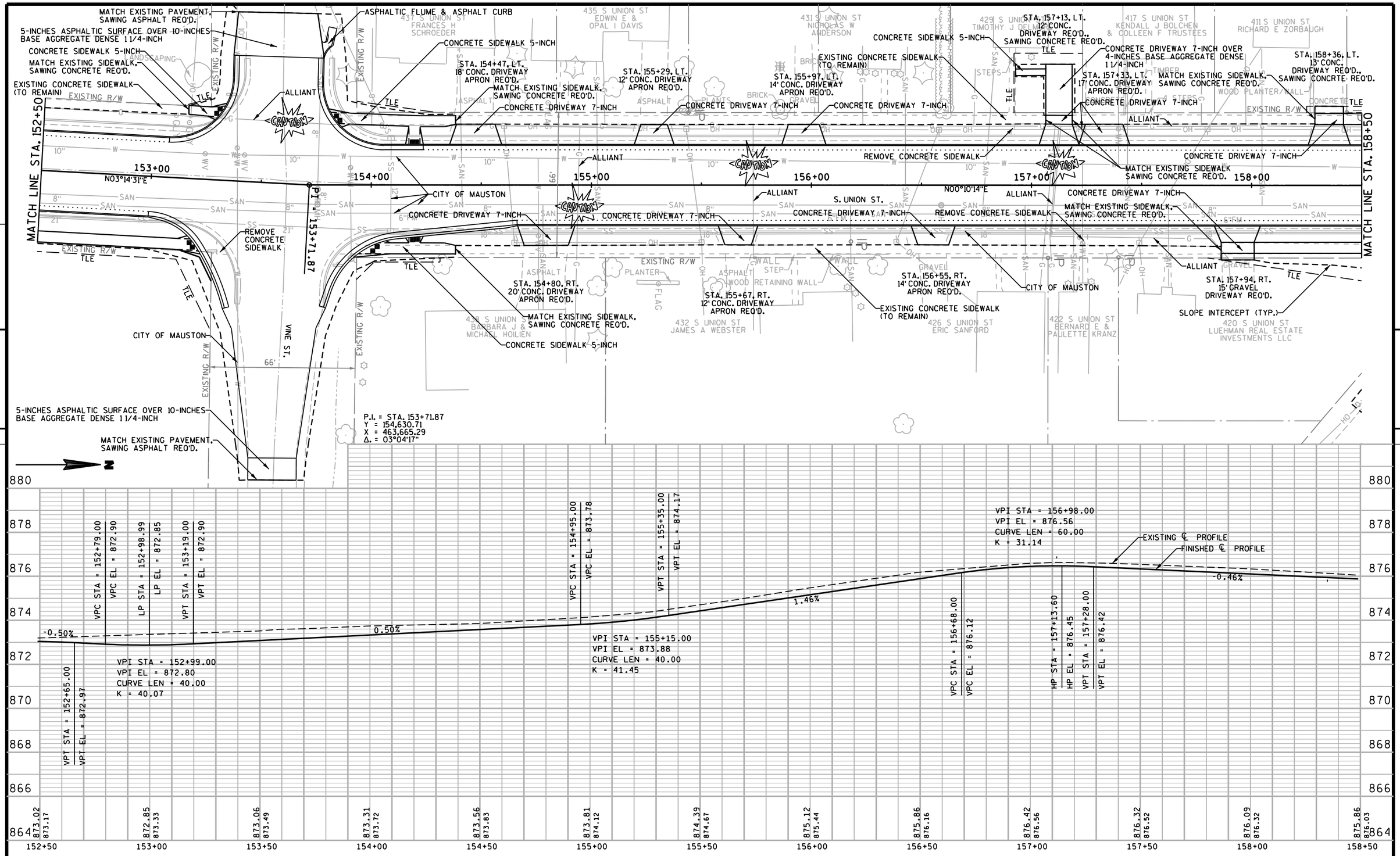




PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - GRAYSIDE AVENUE/UNION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

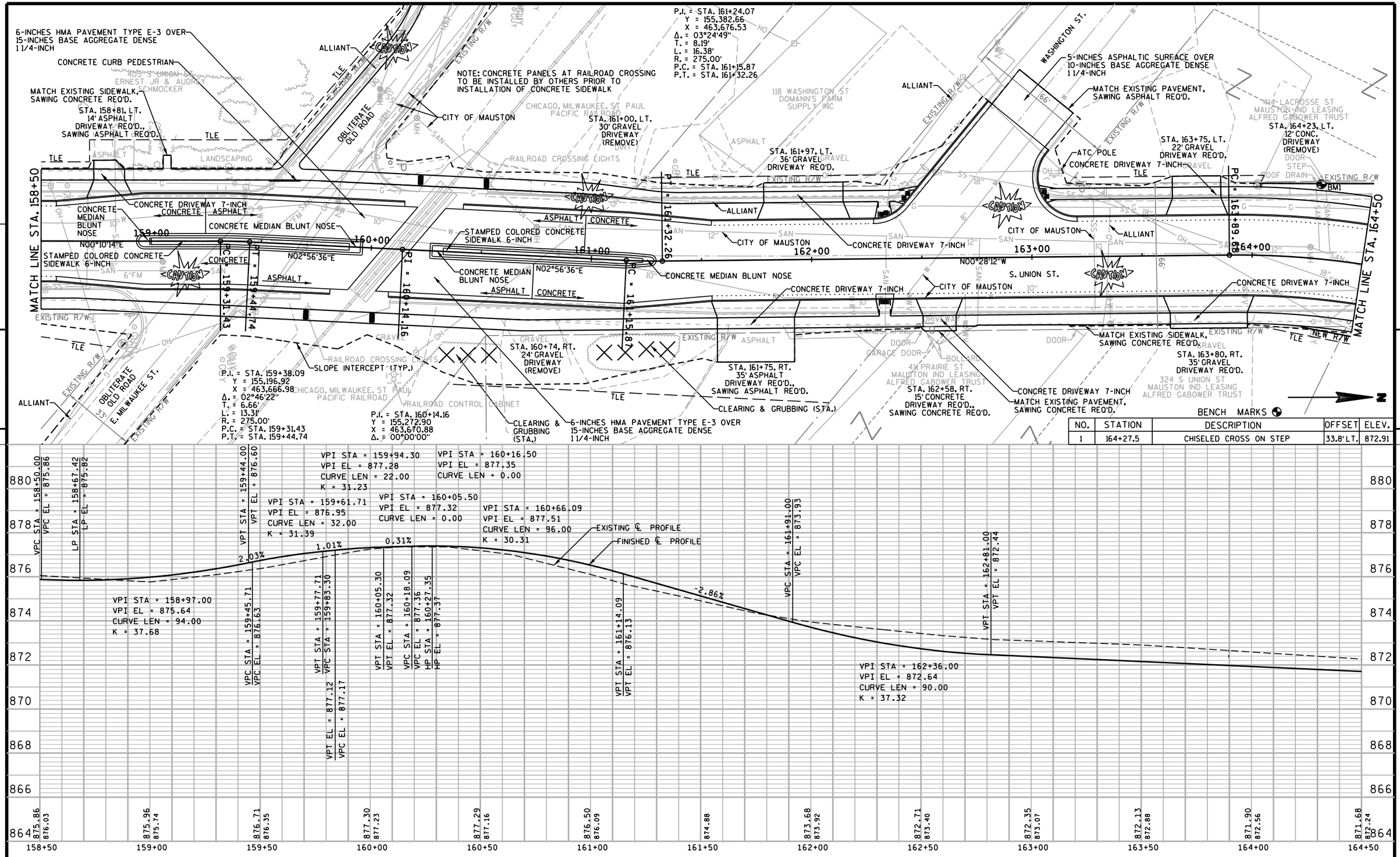
panp03.dgn 2/5/2013 9:23:18 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - UNION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

panp04.dgn 2/5/2013 9:23:20 AM bhuibregtse

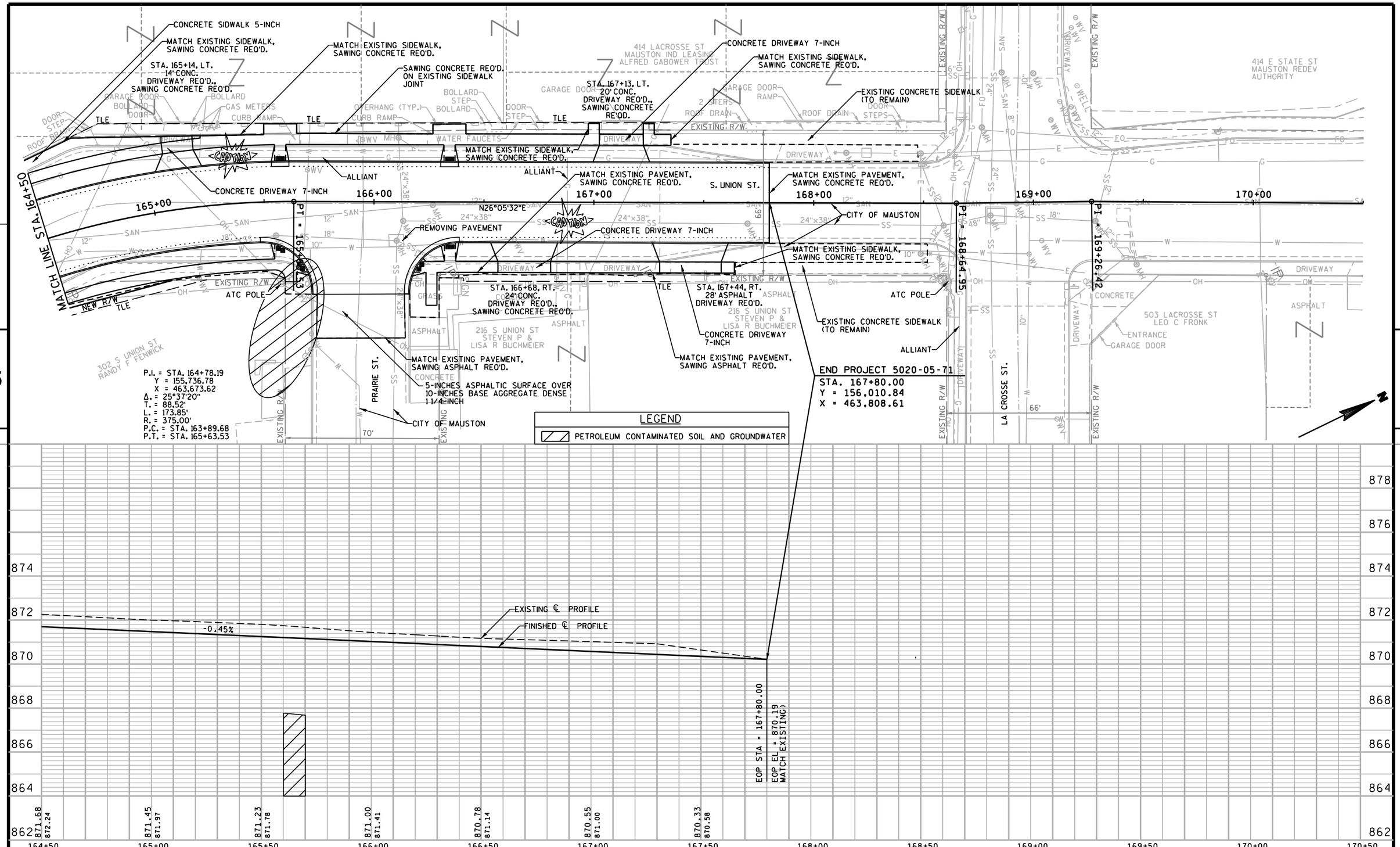


NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	164+27.5	CHISELED CROSS ON STEP	33.8' LT.	872.91

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - UNION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

panp05.dgn 2/5/2013 9:23:22 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - UNION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

panp06.dgn 2/5/2013 9:23:24 AM bhuibregtse

807 DIVISION ST
BARBARA BAKER

805 DIVISION ST
ANDREA R. THOMPSON
FISHER

803 DIVISION ST
MICHAEL &
BRENDA DICOSOLA

902 DIVISION ST
RACHEL M. DAHL

806 DIVISION ST
BRENDA K BELK

808 DIVISION ST
JAMES LOY

MATCH LINE STA. 504+50

STA. 501+46, LT.
16' GRAVEL
DRIVEWAY REQ'D.

CLEARING & GRUBBING, 5-INCH DIA.

MATCH EXISTING SIDEWALK,
SAWING CONCRETE REQ'D.

SLOPE INTERCEPT (TYP.)

STA. 503+78, LT.
16' GRAVEL
DRIVEWAY REQ'D.

MATCH EXISTING SIDEWALK,
SAWING CONCRETE REQ'D.

REMOVE CONCRETE SIDEWALK

6-INCHES HMA PAVEMENT TYPE E-3 OVER
15-INCHES BASE AGGREGATE DENSE
1 1/4-INCH

MATCH EXISTING PAVEMENT,
SAWING ASPHALT REQ'D.

ALLIANT

CONCRETE DRIVEWAY 7-INCH

REMOVE CONCRETE SIDEWALK

FRONTIER

CONCRETE DRIVEWAY 7-INCH

CAUTION

501+00

502+00

503+00

504+00

DIVISION ST./STH 58

N00°16'35"E

CLEARING & GRUBBING,
24-INCH DIA.

CITY OF MAUSTON

REMOVE CONCRETE SIDEWALK

STA. 500+00.00
Y = 153,297.33
X = 462,719.39

CITY OF MAUSTON

STA. 500+25, RT.
12' ASPHALT
DRIVEWAY
APRON REQ'D.

STA. 500+69, RT.
12' ASPHALT
DRIVEWAY
APRON REQ'D.

STA. 500+95, RT.
12' CONC. DRIVEWAY
APRON REQ'D.

MATCH EXISTING SIDEWALK,
SAWING CONCRETE REQ'D.
(33' RT.)

SLOPE INTERCEPT (TYP.)

MATCH EXISTING SIDEWALK,
SAWING CONCRETE REQ'D.
(33' RT.)

CONCRETE SIDEWALK 5-INCH

STA. 504+10, RT.
12' CONCRETE
DRIVEWAY REQ'D.

MATCH EXISTING
SIDEWALK, SAWING
CONCRETE REQ'D.

EXISTING CONCRETE SIDEWALK (TO REMAIN)

MATCH EXISTING SIDEWALK,
SAWING CONCRETE REQ'D.

CONCRETE SIDEWALK 5-INCH

MATCH EXISTING PAVEMENT,
SAWING ASPHALT REQ'D.

5-INCHES ASPHALTIC SURFACE OVER
10-INCHES BASE AGGREGATE DENSE
1 1/4-INCH

GENEVIEVE ST.
66'

BEGIN CONSTRUCTION
STA. 500+94.00
Y = 153,391.33
X = 462,719.84

VPI STA = 501+37.36
VPI EL = 891.43
CURVE LEN = 50.00
K = 84.53

-2.29%

-2.88%

-2.30%

-1.33%

BOP STA = 500+94.00
BOP EL = 892.42
(MATCH EXISTING)

VPC STA = 501+12.36
VPC EL = 892.00

VPT STA = 501+62.36
VPT EL = 890.71

VPC STA = 502+33.00
VPC EL = 888.68

VPI STA = 502+53.00
VPI EL = 888.10
CURVE LEN = 40.00
K = 69.26

VPT STA = 502+73.00
VPT EL = 887.64

EXISTING ℄ PROFILE

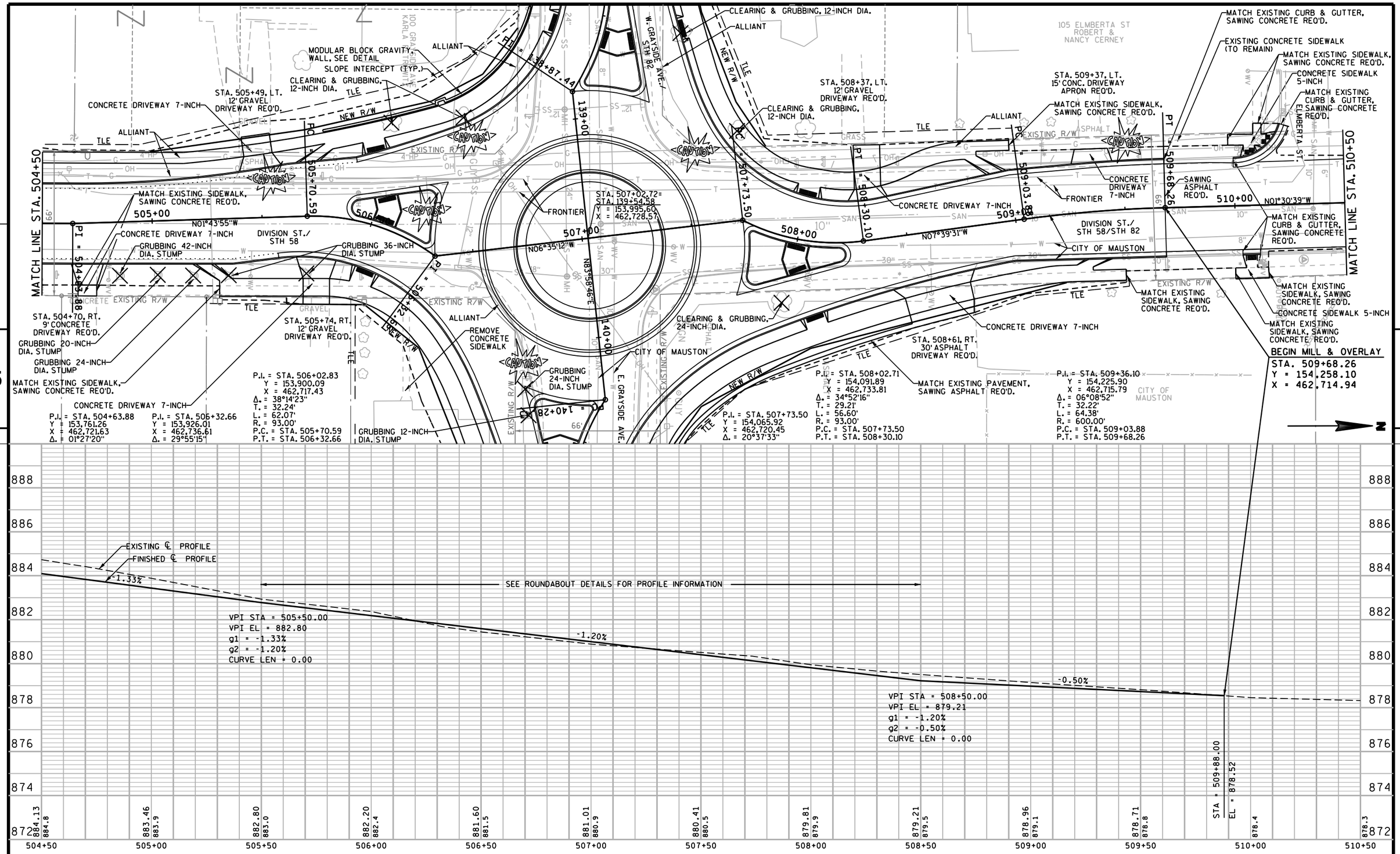
FINISHED ℄ PROFILE

VPC STA = 503+57.00
VPC EL = 885.71

VPT STA = 504+27.00
VPT EL = 884.43

VPI STA = 503+92.00
VPI EL = 884.90
CURVE LEN = 70.00
K = 71.94

| | | |

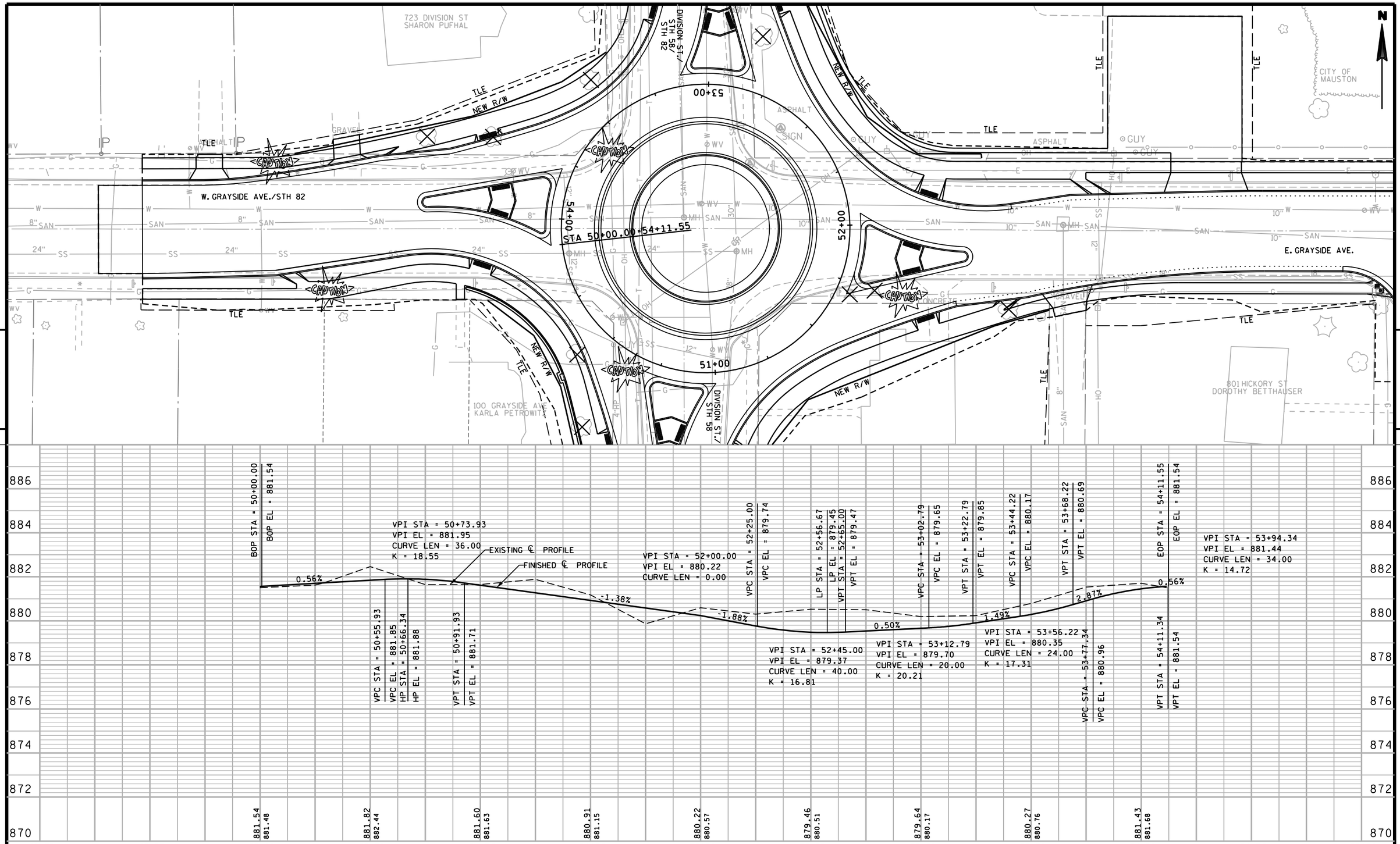


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - DIVISION STREET	SHEET	E

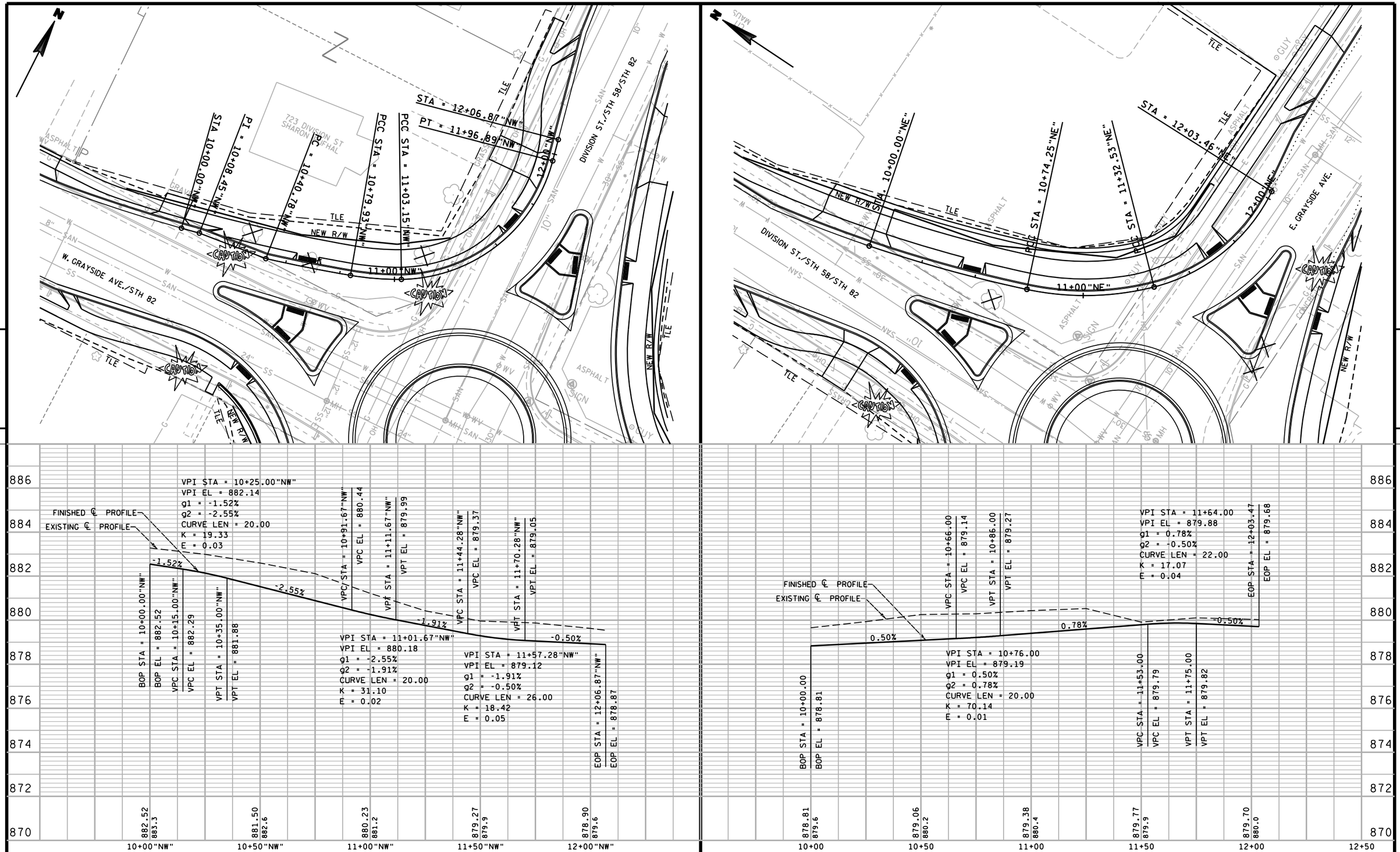
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40

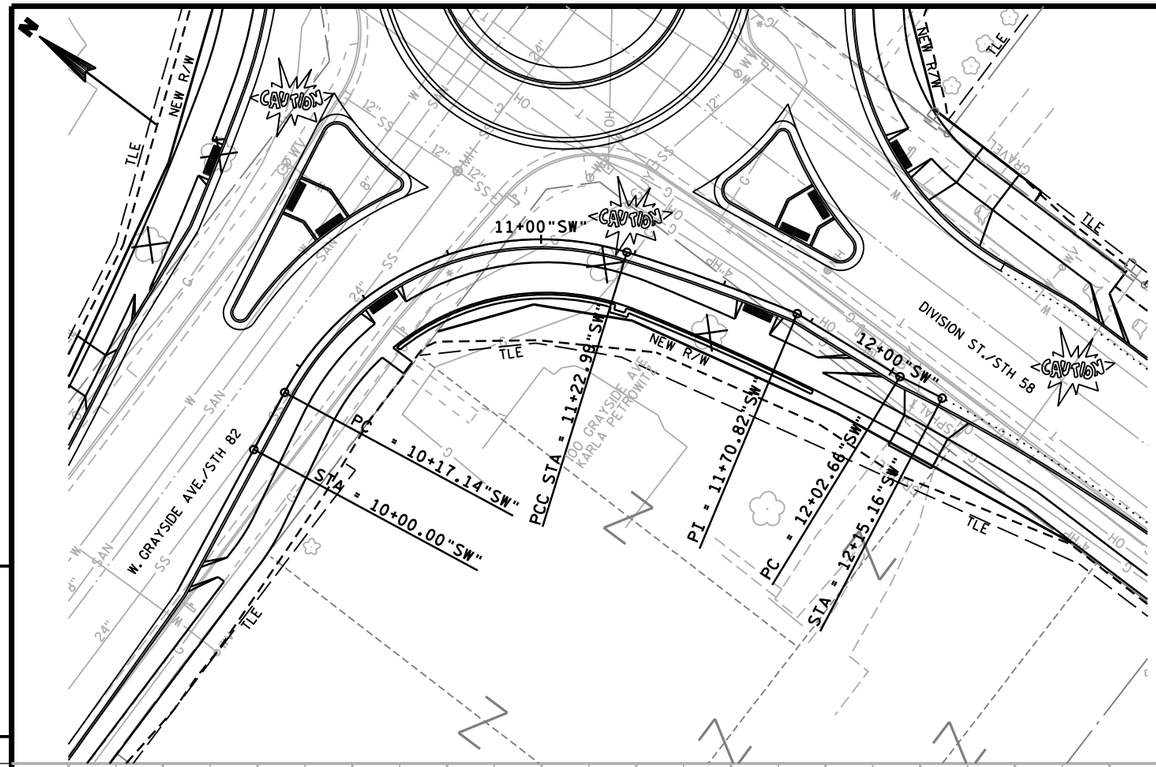
panp08.dgn 2/5/2013 9:23:29 AM bhuibregtse

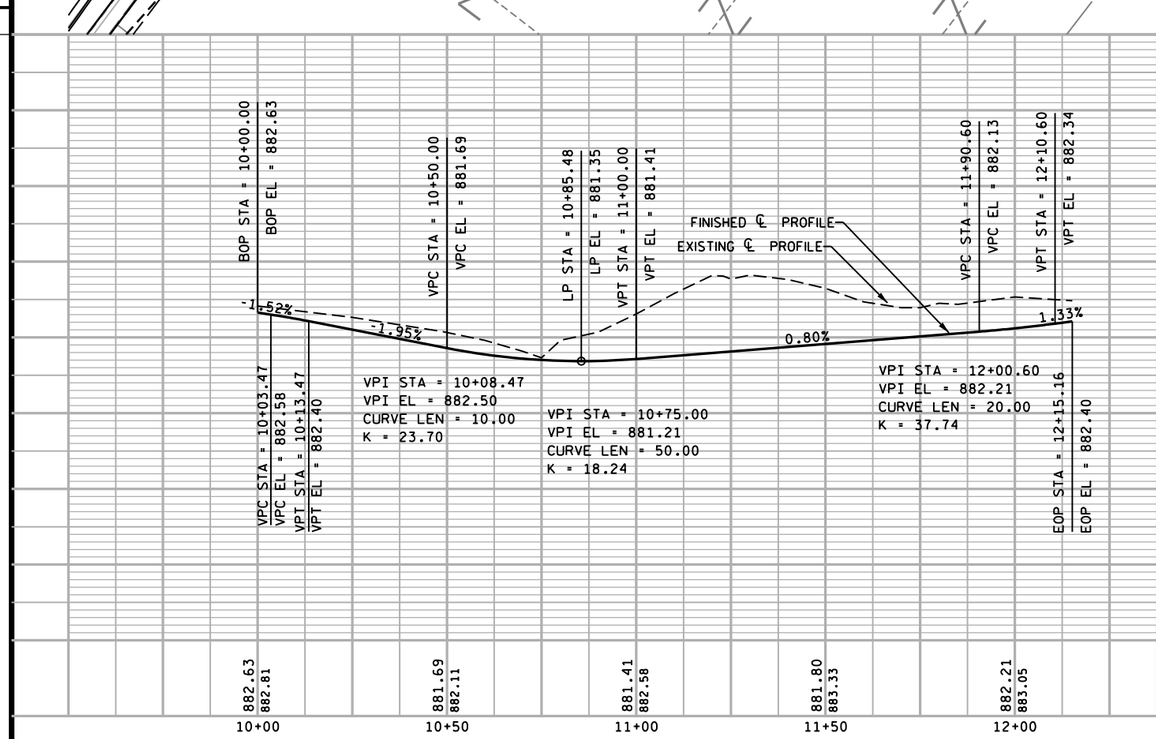


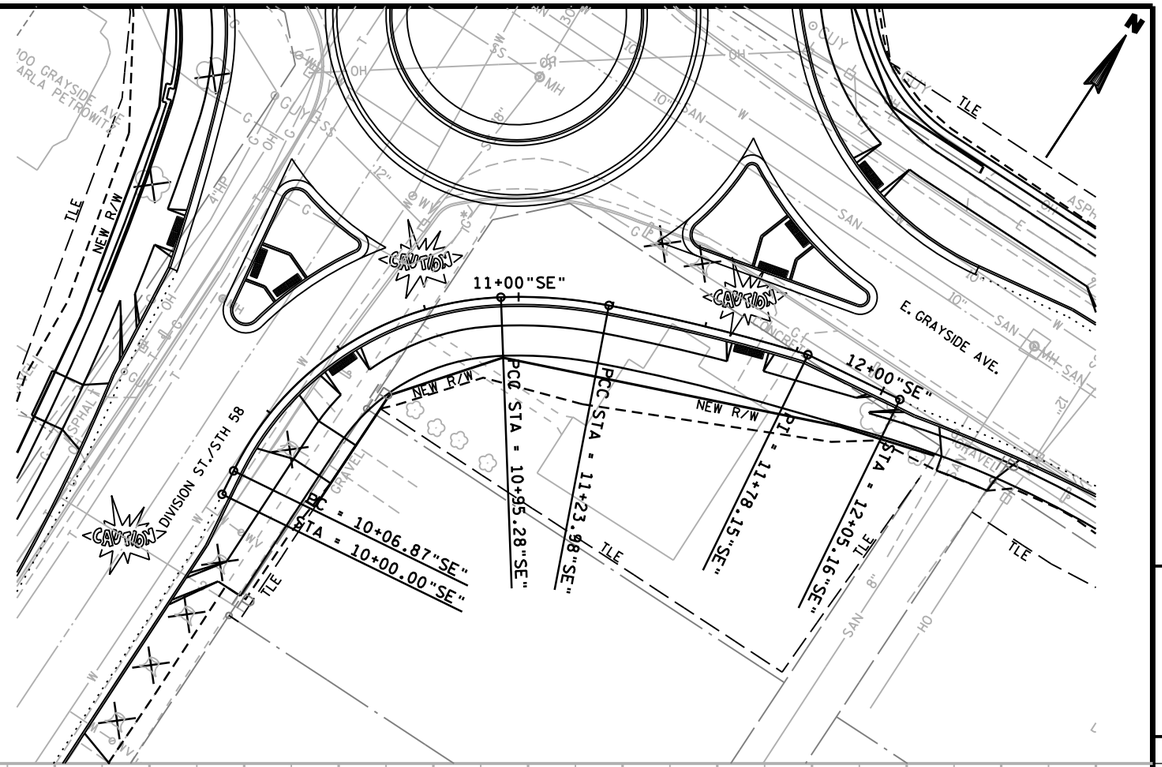
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - ROUNDABOUT CENTER CIRCLE	SHEET 175	E

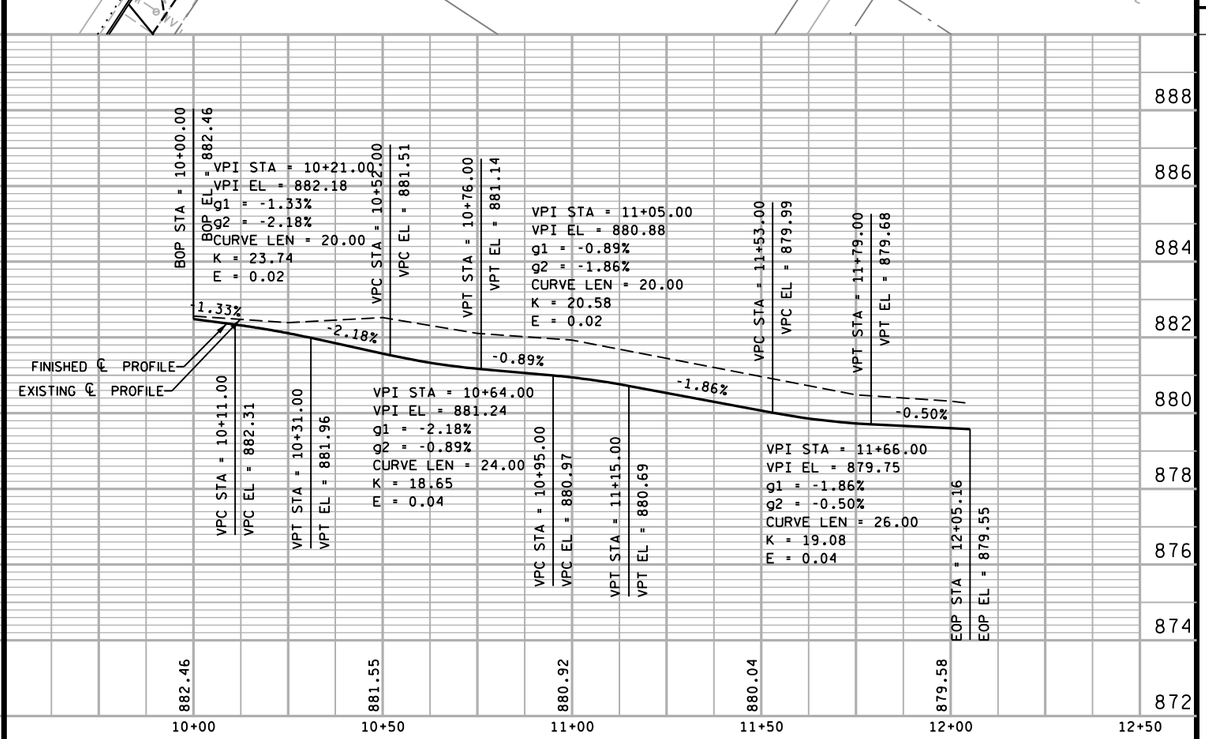


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - ROUNDABOUT (NORTHWEST AND NORTHEAST)	SHEET 176	E





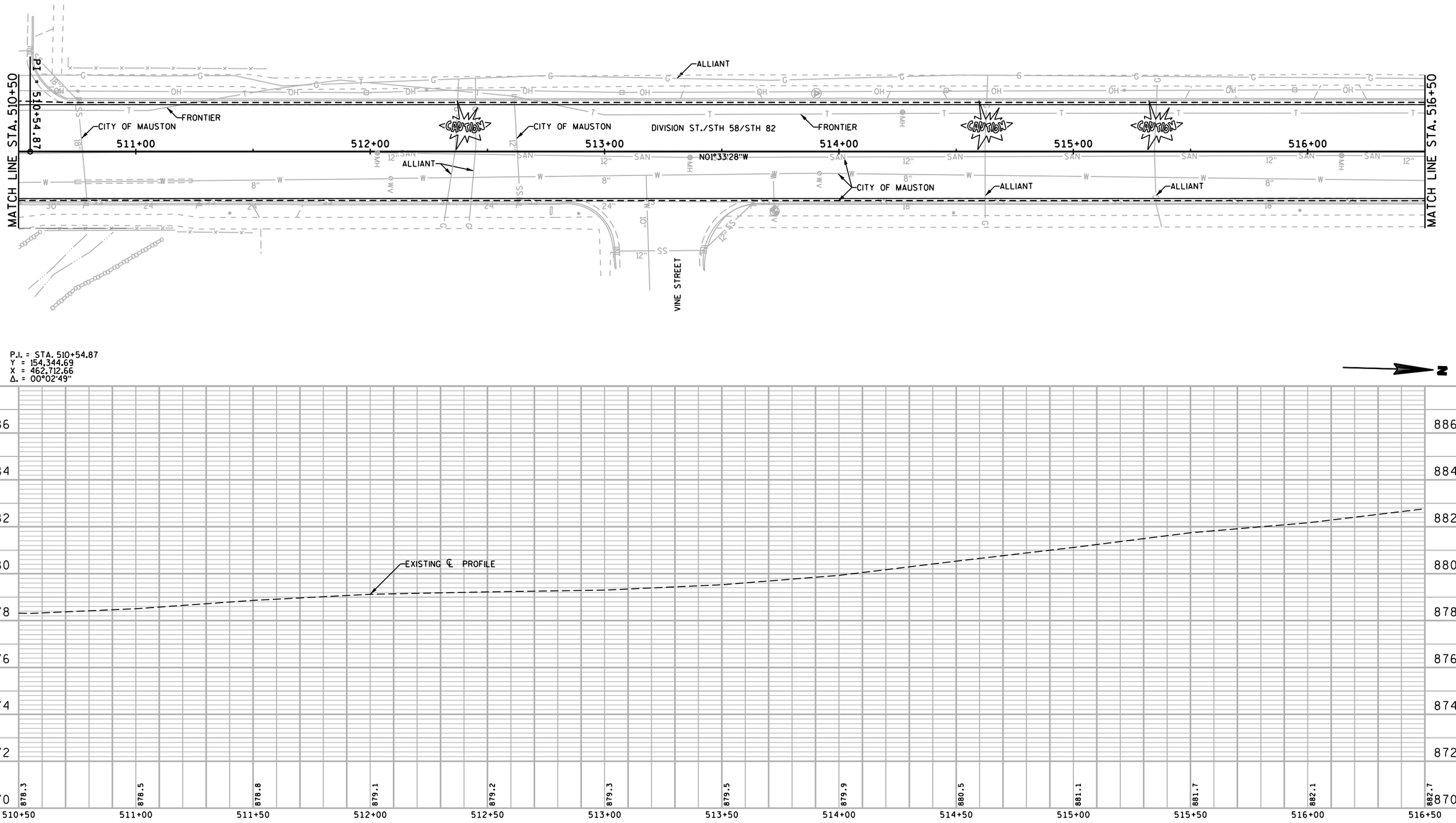




5

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - ROUNDABOUT (SOUTHWEST AND SOUTHEAST)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 30
panp11.dgn 2/5/2013 9:23:35 AM bhuibregtse



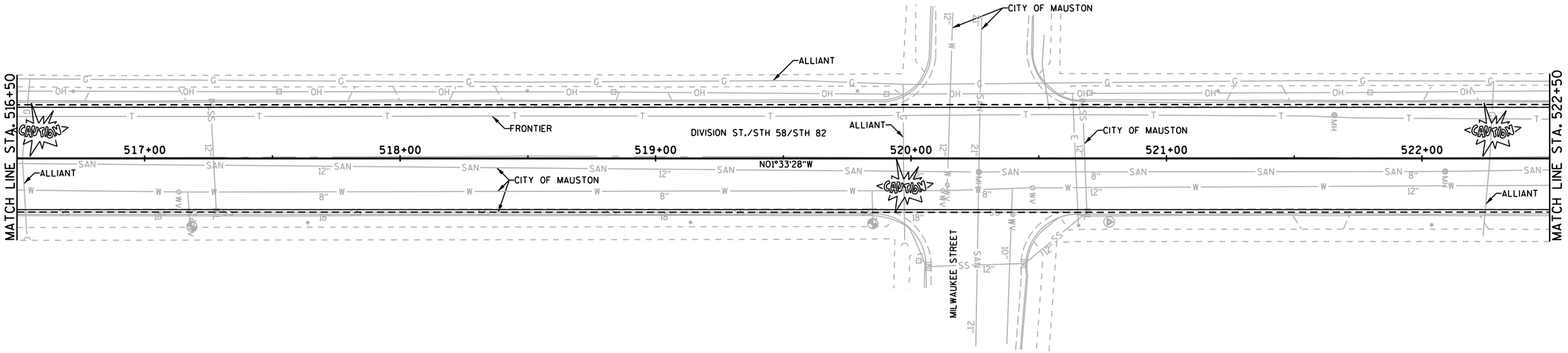
P.I. = STA. 510+54.87
Y = 154,344.69
X = 462,712.66
Δ = 00°02'49"

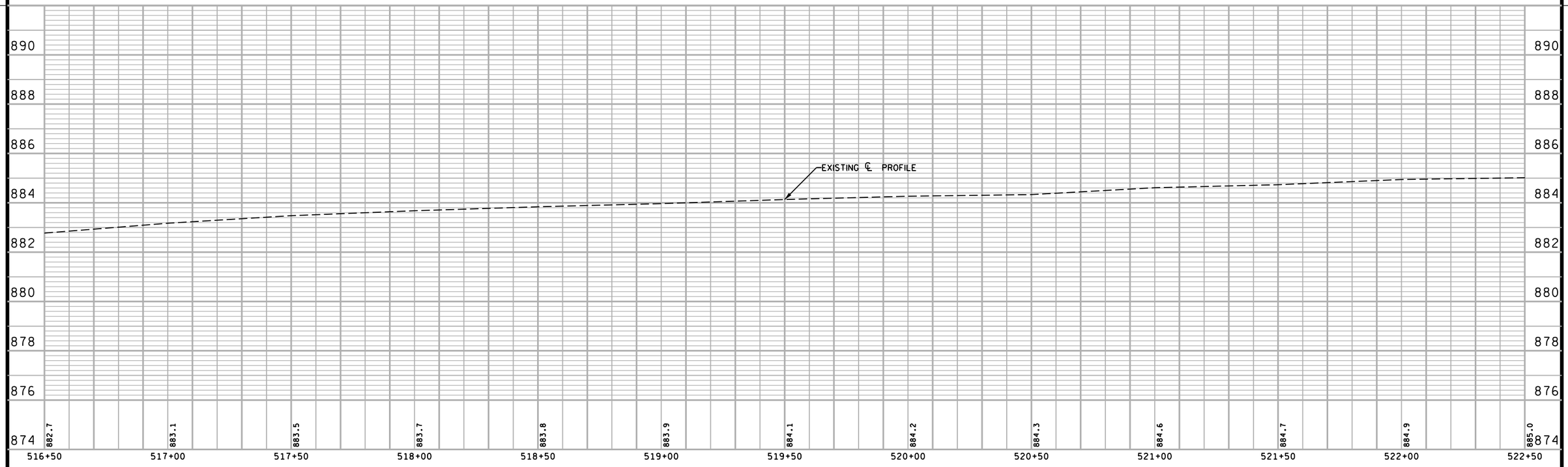
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40

panp12.dgn 2/5/2013 9:23:37 AM bhuibregtse



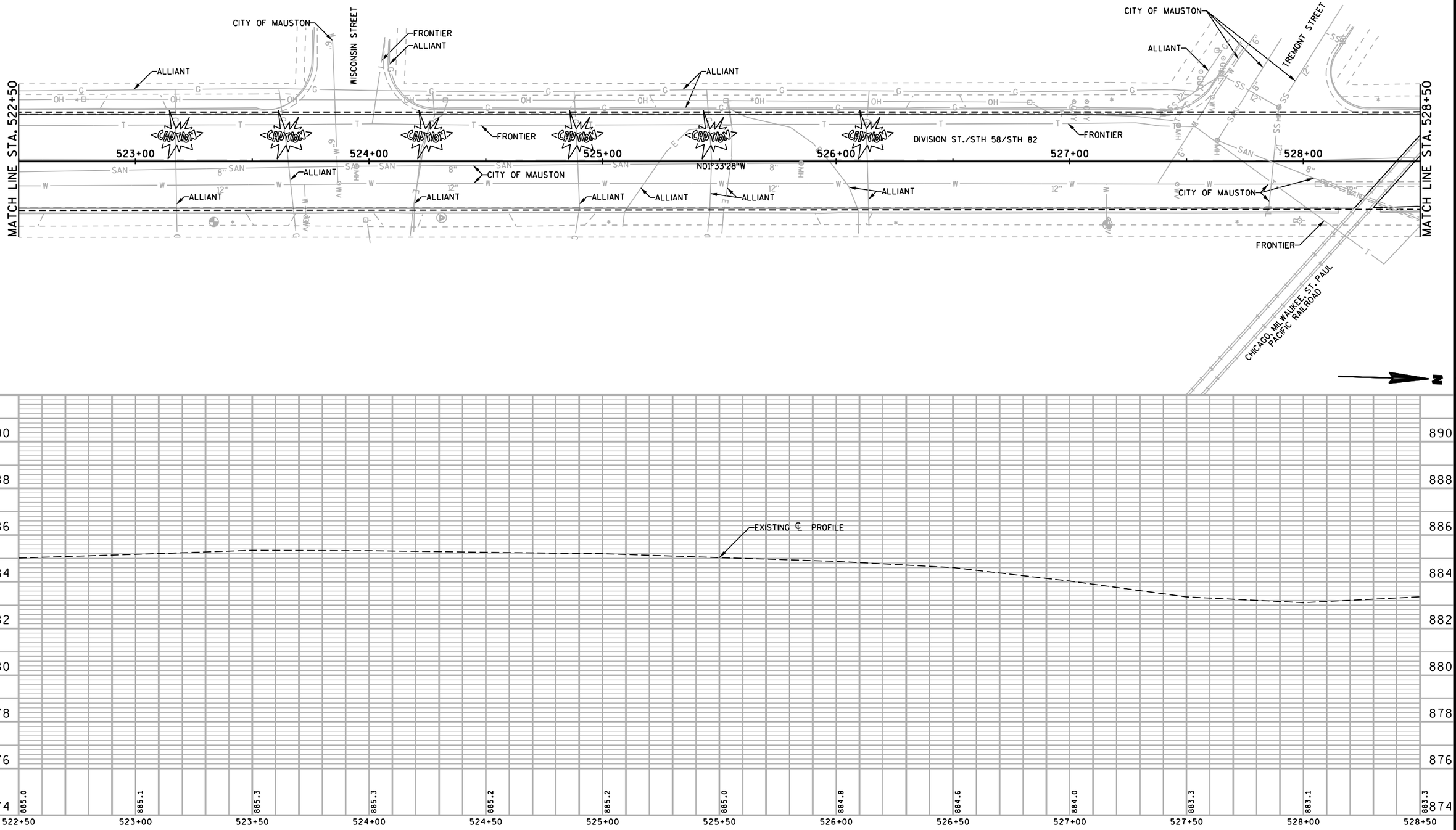


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40

panp13.dgn 2/5/2013 9:23:39 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - DIVISION STREET	SHEET 180	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

panp14.dgn 2/5/2013 9:23:41 AM bhuibregtse

MATCH LINE STA. 528+50

CHICAGO, MILWAUKEE, ST. PAUL PACIFIC RAILROAD

FRONTIER

CITY OF MAUSTON

DIVISION ST./STH 58/STH 82

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D.

CAUTION

529+00 530+00 531+00 532+00 533+00

N01°33'28"W

OAK STREET

MAINE STREET

ALLIANT

MWEL

LA CROSSE STREET

STA = 533+50.00
Y = 156,638.97
X = 462,650.26

END CONSTRUCTION
STA. 532+75.98
Y = 156,565.29
X = 462,653.20

EXISTING ℄ PROFILE

528+50	529+00	529+50	530+00	530+50	531+00	531+50	532+00	532+50	533+00	533+50	534+00	534+50
883.3	882.8	882.3	881.7	881.4	881.5	881.5	881.7	881.8	882.0	882.1		

888 886 884 882 880 878 876 874 872

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PLAN AND PROFILE - DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

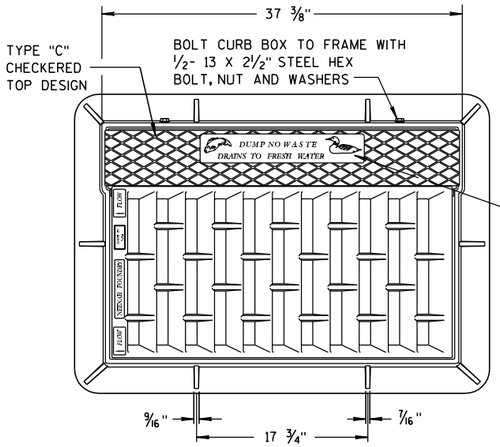
WISDOT/CADDS SHEET 40

panp15.dgn 2/5/2013 9:23:43 AM bhuibregtse

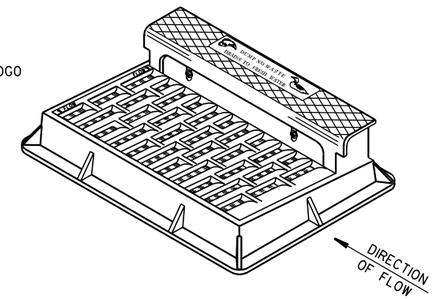
Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-14A	CURB RAMPS TYPES 1 AND 1-A
08D05-14B	CURB RAMPS TYPES 2 AND 3
08D05-14C	CURB RAMPS TYPE 4A
08D05-14D	CURB RAMPS TYPE 4B
08D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-07	CONDUIT
09B04-09	PULL BOX
09C02-06	CONCRETE BASES, TYPES 1, 2 & 5
09C03-03	TRANSFORMER/PEDESTAL BASES
09C06-05	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-02	SIGNAL OR LIGHTING CONTROL CABINET
09E01-11D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-11G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-04	NON-FREEWAY LIGHTING UNIT POLE WIRING
10A01-02	ELECTRICAL HANDHOLE WIRING
10A05-02	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES ISOLATED NEUTRAL SYSTEMS
11B02-02	CONCRETE MEDIAN NOSE
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C01-15	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-07	URBAN DOWELED CONCRETE PAVEMENT
13C18-01A	CONCRETE PAVEMENT JOINTING
13C18-01B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-01C	CONCRETE PAVEMENT JOINT TIES
13C18-01D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-01E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
15B03-12A	CHAIN LINK FENCE
15B03-12B	CHAIN LINK FENCE
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C26-02	END-OF-ROADWAY SIGNING
15D06-02	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

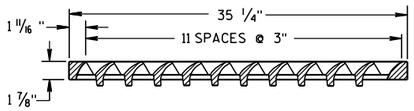
6

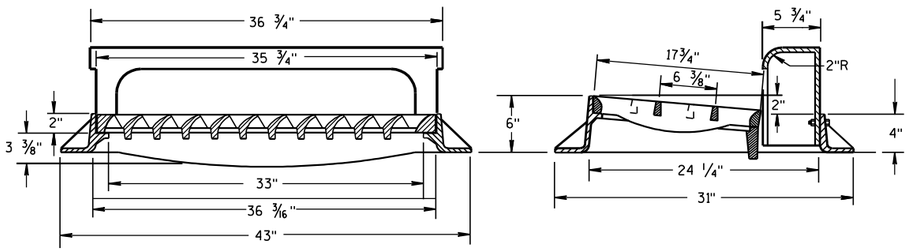


NOTE:
GRATE IS REVERSIBLE.



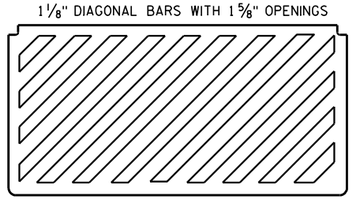
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

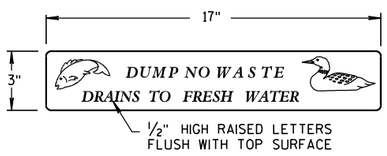
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

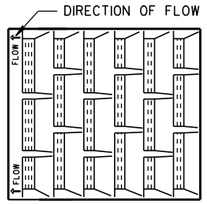
GENERAL NOTES

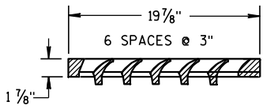
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

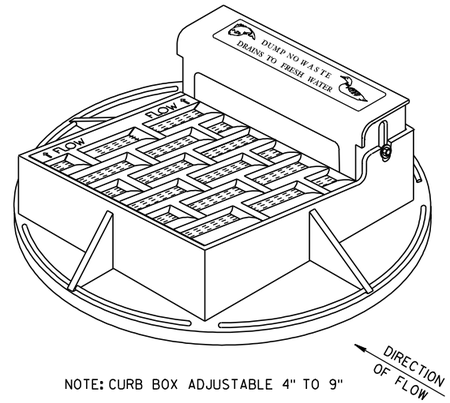
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

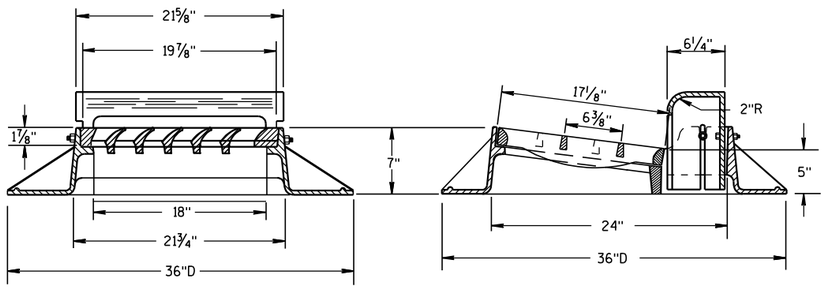
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





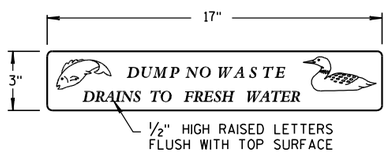


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



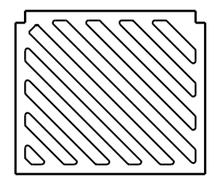
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

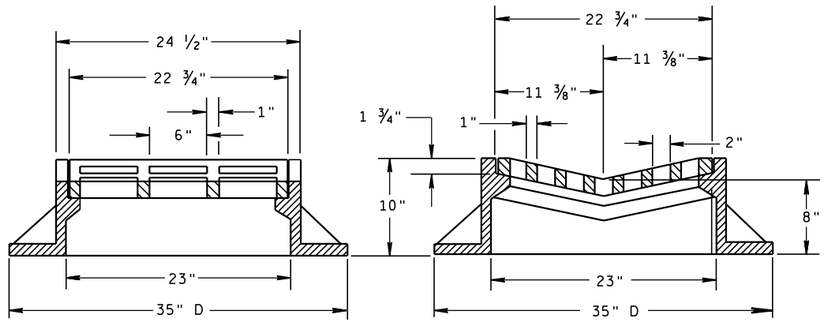
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

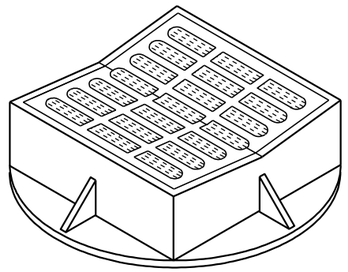
INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 8 A 5-18a

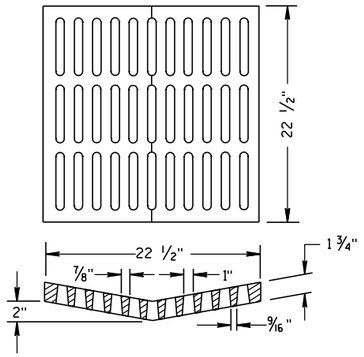




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

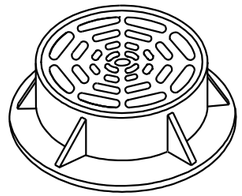


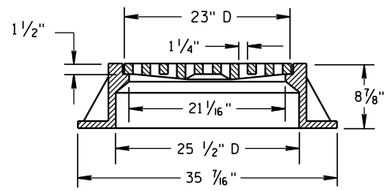
ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE





TYPE "C"

(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

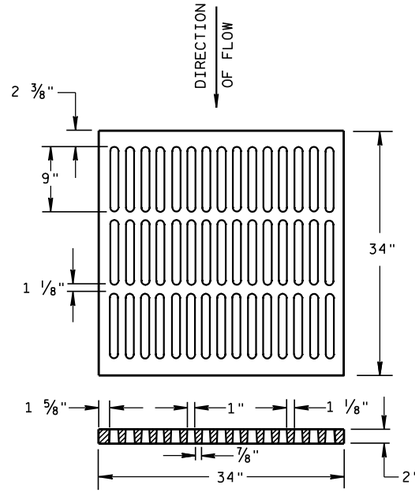
GENERAL NOTES

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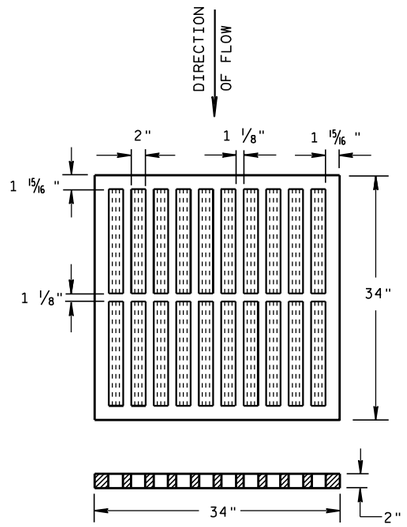


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

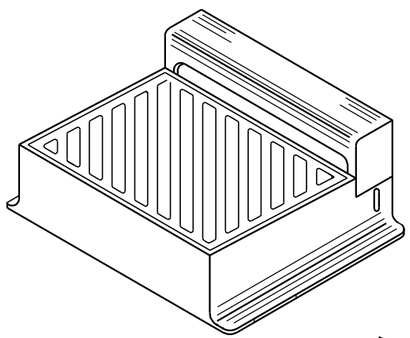


TYPE "MS"

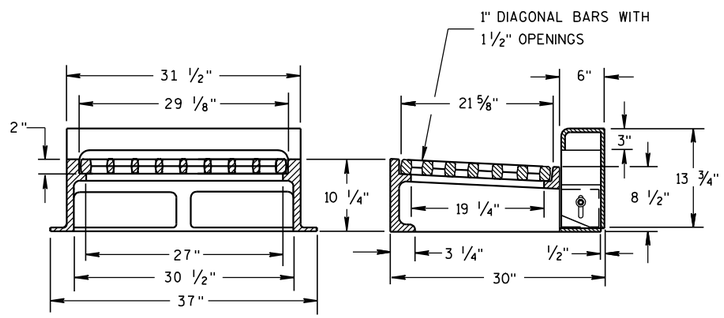
(APPROXIMATE GRATE WEIGHT 268 LBS.)

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012 DATE

/S/ Jerry H. Zaas
ROADWAY STANDARDS ENGINEER

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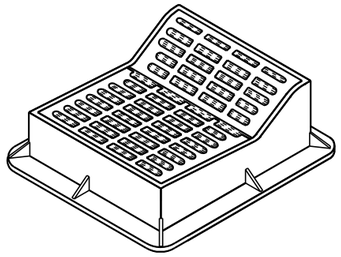
FHWA

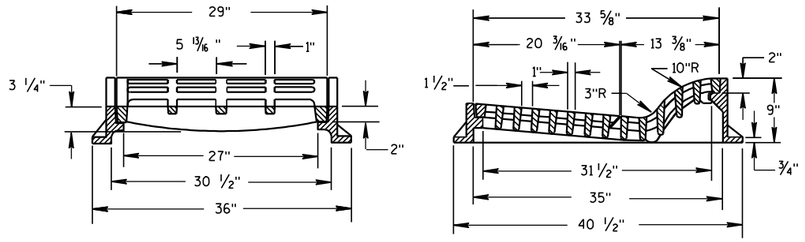
6

S.D.D. 8 A 5-18b

6

S.D.D. 8 A 5-18b



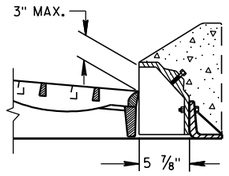


TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME.....302 LBS.
GRATE.....160 LBS.
GRATE.....182 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

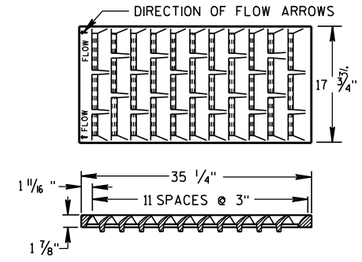
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

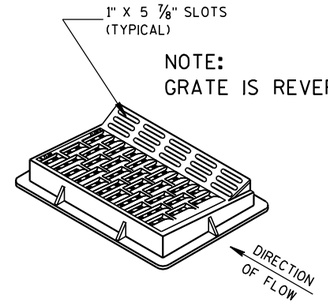
GENERAL NOTES

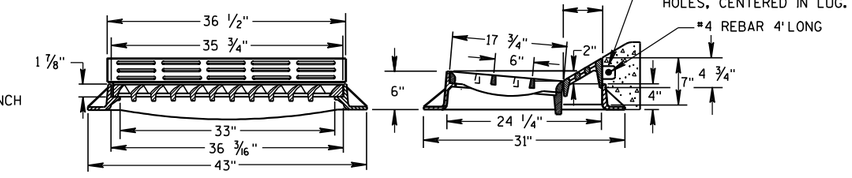
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THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





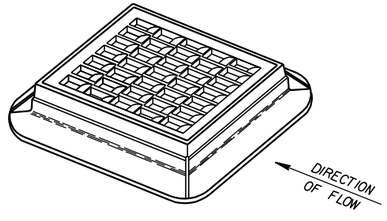


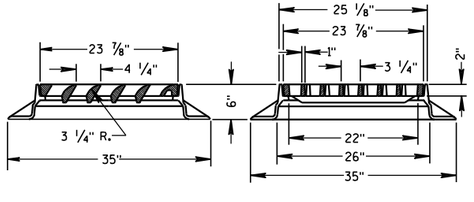
TYPE "HM"

(APPROXIMATE WEIGHT 414 LBS.)
FRAME..... 181 LBS.
GRATE..... 159 LBS.
CURB BOX..... 74 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE

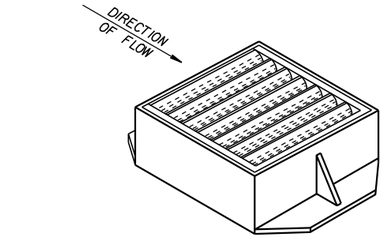


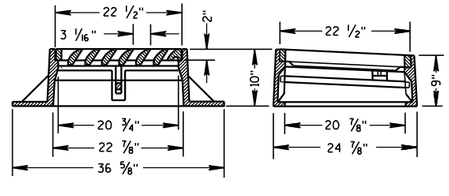


TYPE "S"

(APPROXIMATE WEIGHT 333 LBS.)

FRAME.....164 LBS.
GRATE..... 169 LBS.

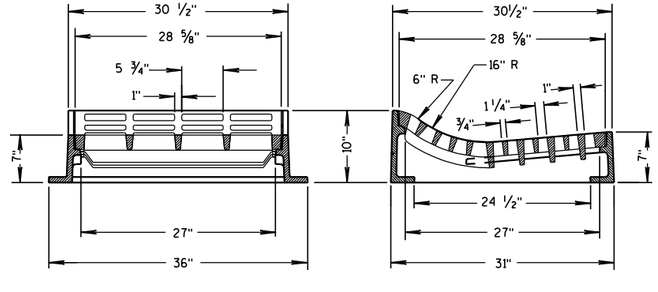




TYPE "V"

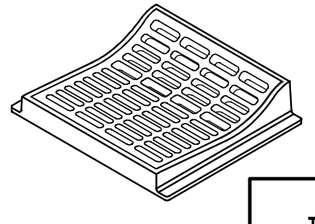
(APPROXIMATE WEIGHT 410 LBS.)

FRAME..... 269 LBS.
GRATE..... 136 LBS.
SAFETY BAR..... 5 LBS.



TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



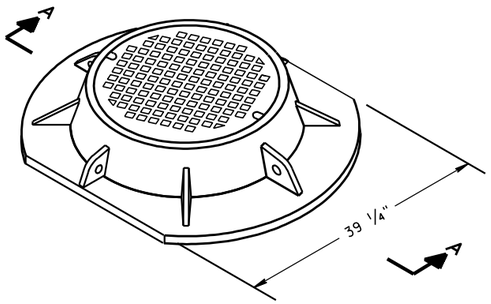
INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

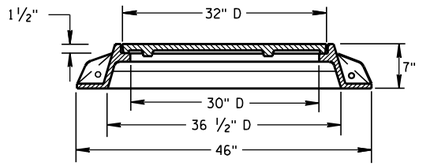
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 A 5-18c



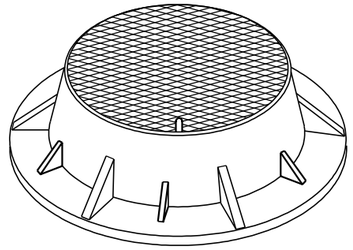


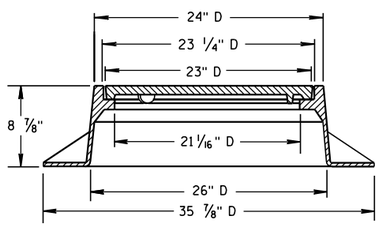
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

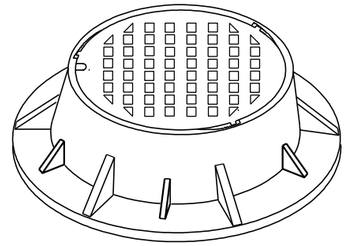


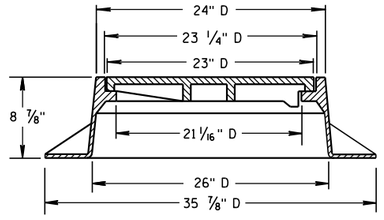


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

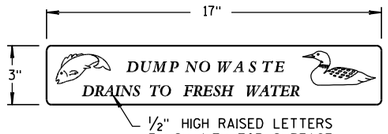
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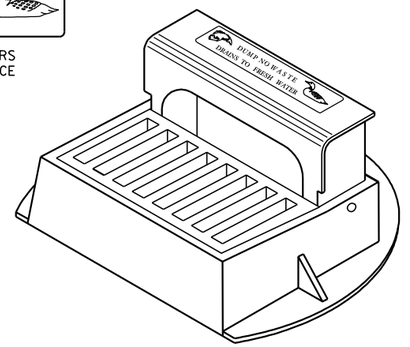
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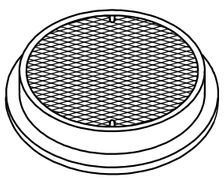
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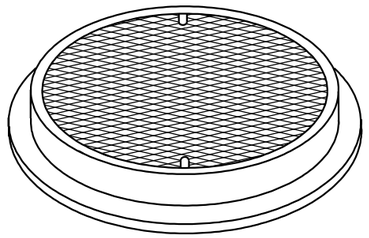
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

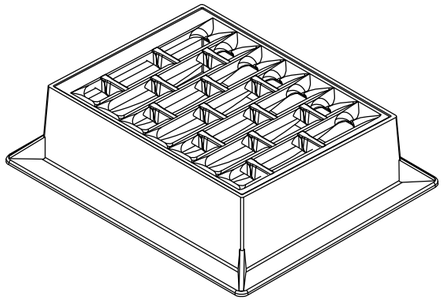


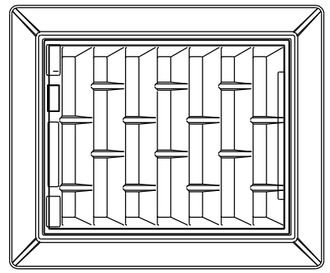
LOGO DETAIL

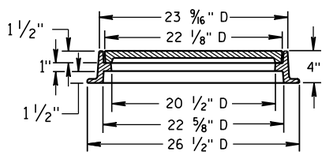








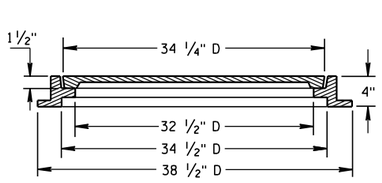




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

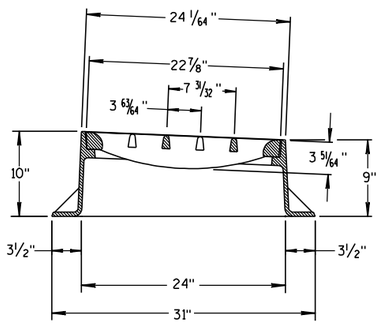
FRAME.....81 LBS.
LID.....77 LBS.

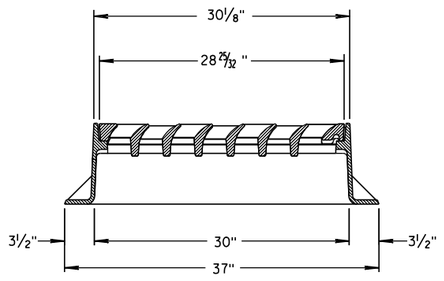


TYPE "M"

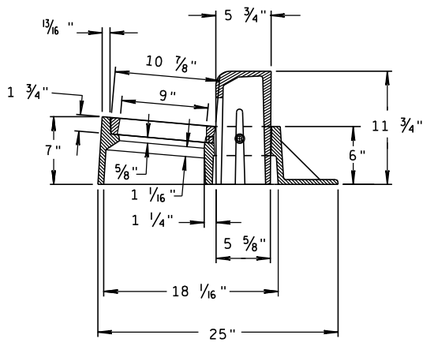
(APPROXIMATE WEIGHT 377 LBS.)

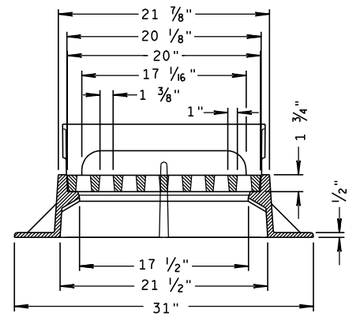
FRAME..... 125 LBS.
LID..... 252 LBS.





INLET COVER TYPE "BW"





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.

INLET COVERS, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

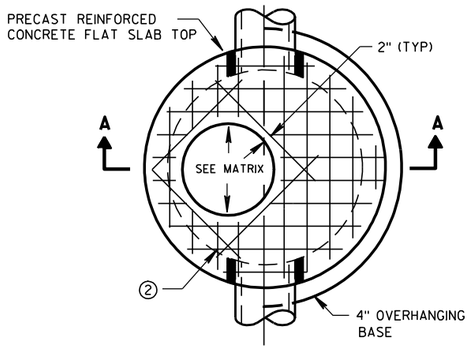
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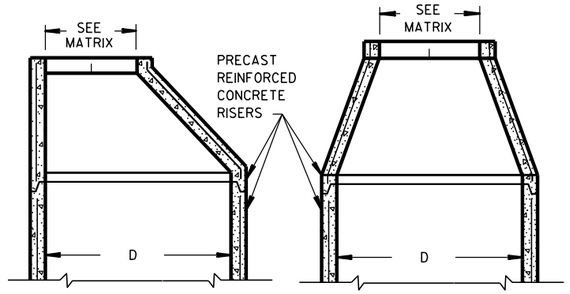
S.D.D. 8 A 5-18d

6

S.D.D. 8 A 5-18d

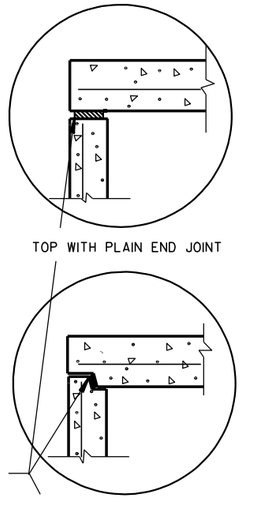


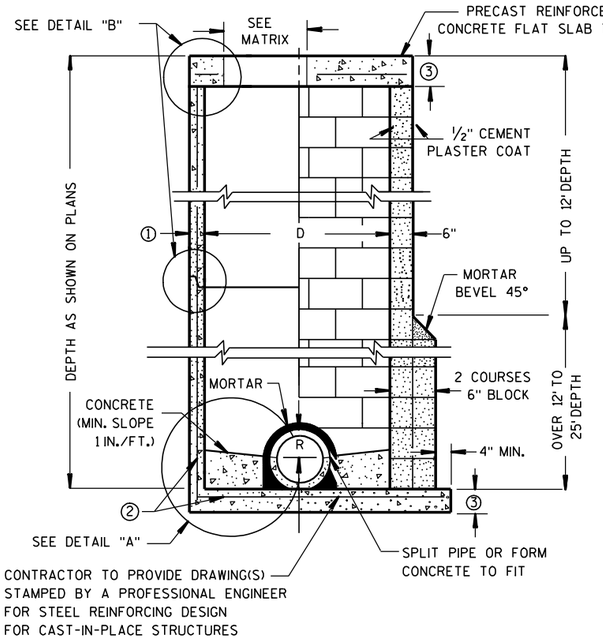
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

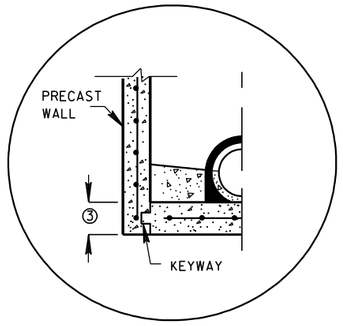
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



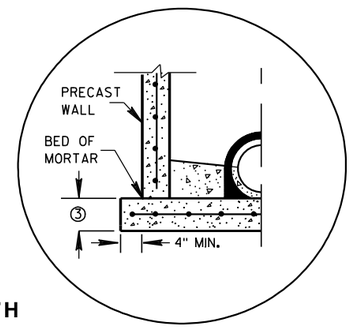


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

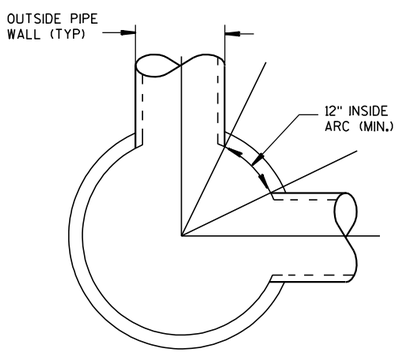


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION

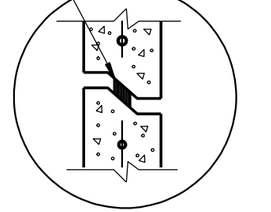


SEPERATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

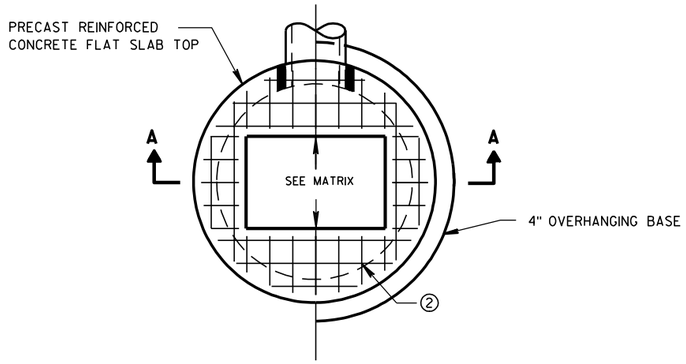
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

6

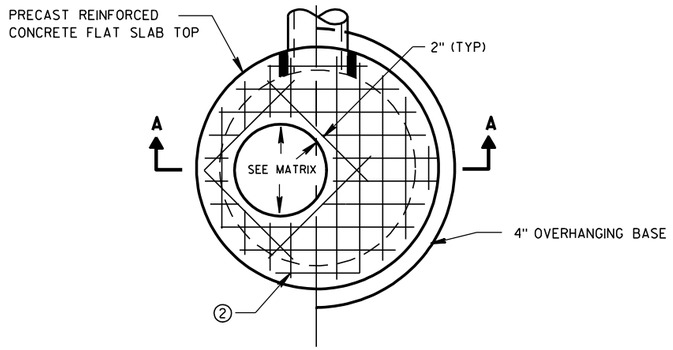
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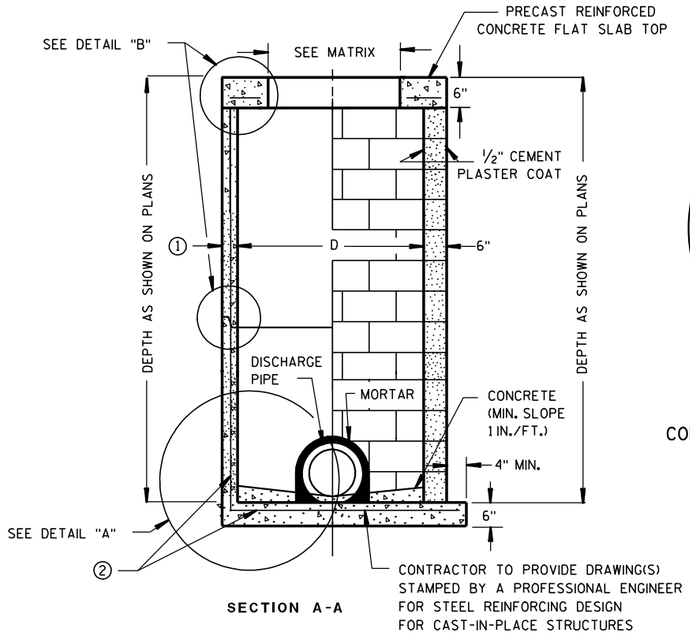
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

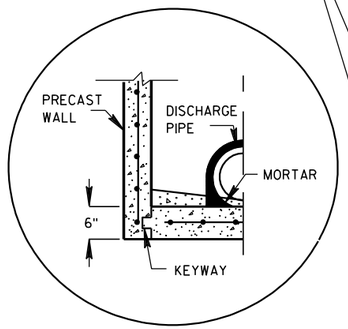


SECTION A-A

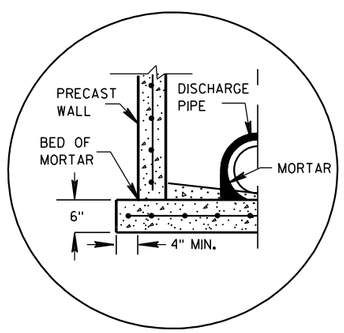
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

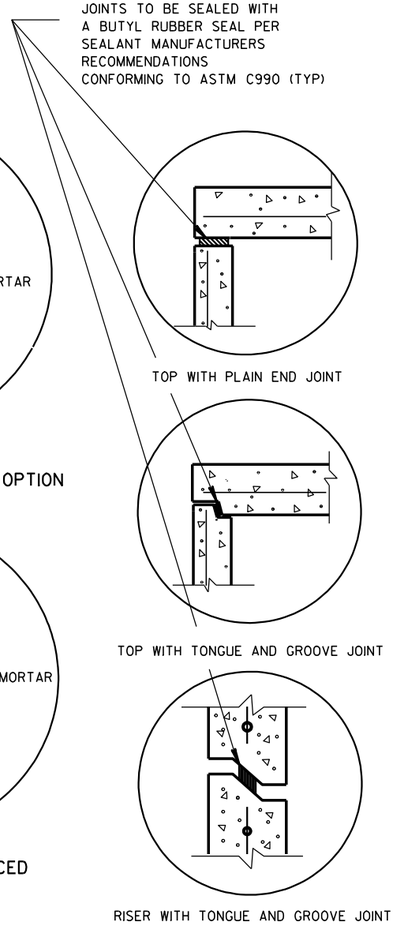


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

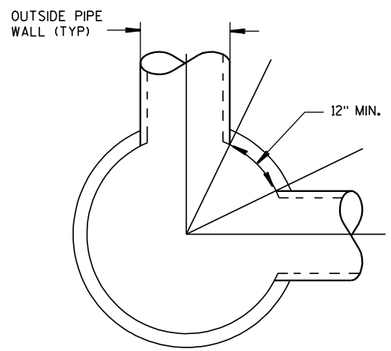
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

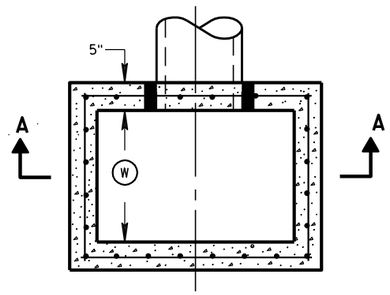
INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

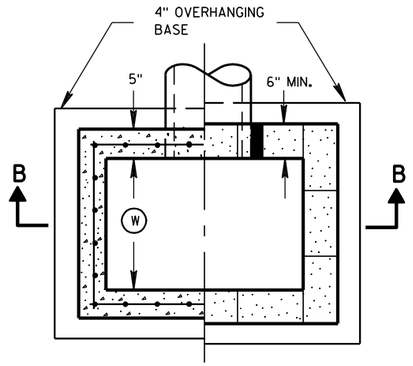
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

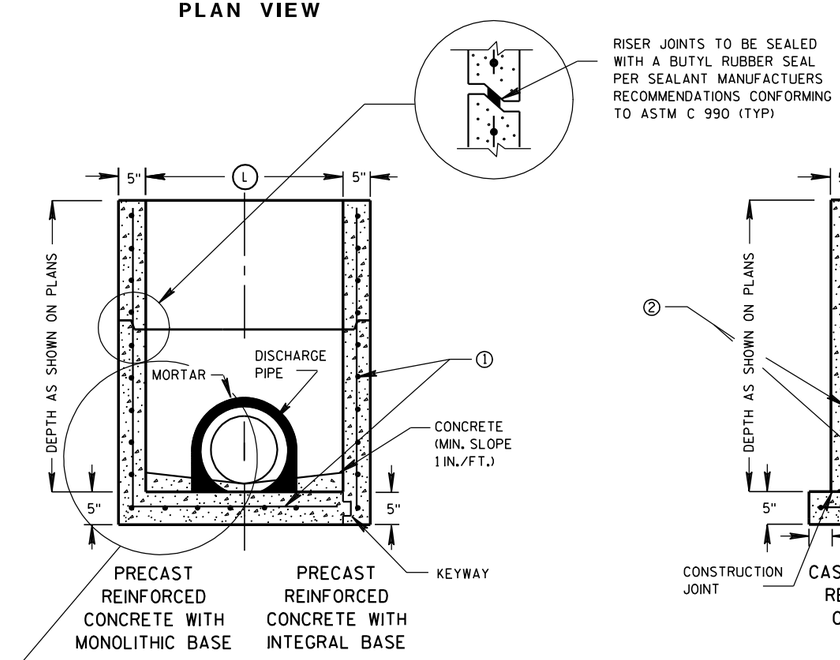
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S.D.D. 8 C 6-1



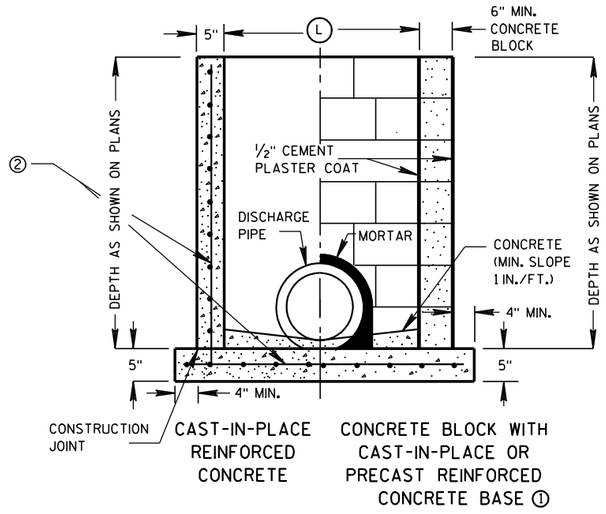
PLAN VIEW



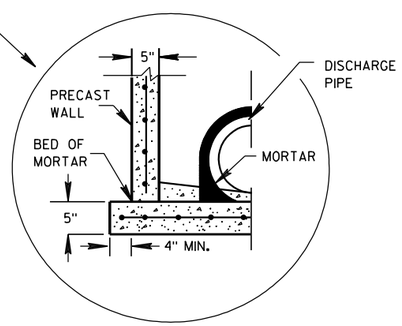
PLAN VIEW



SECTION A-A



SECTION B-B



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

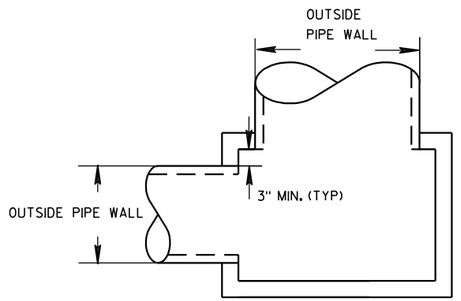
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

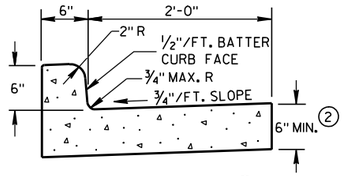
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

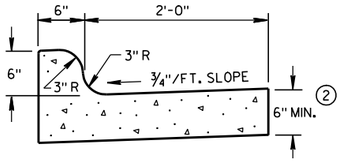
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS D ENGINEER
FHWA

6

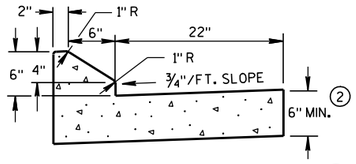
S.D.D. 8 C 7-1



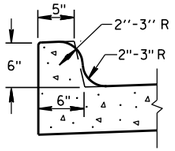
TYPES A & D (1)



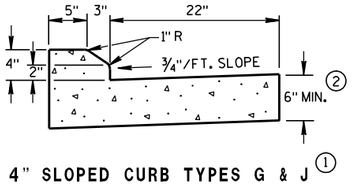
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

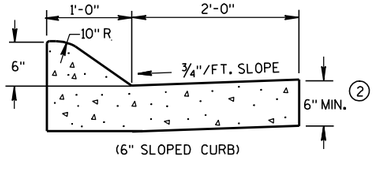


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

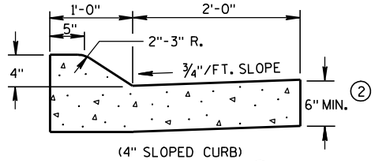


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

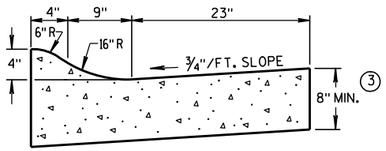


(6" SLOPED CURB)



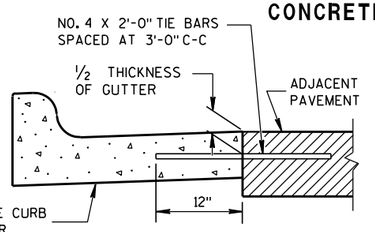
(4" SLOPED CURB)

TYPES A & D (1)

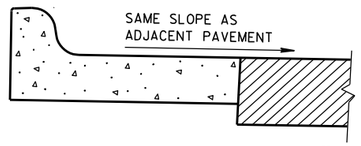


4" SLOPED CURB TYPES R & T (1) (4)

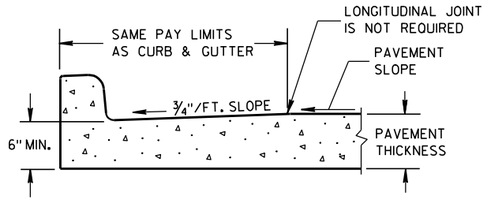
CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

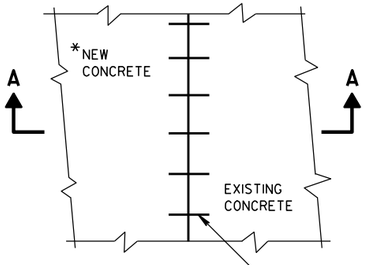
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

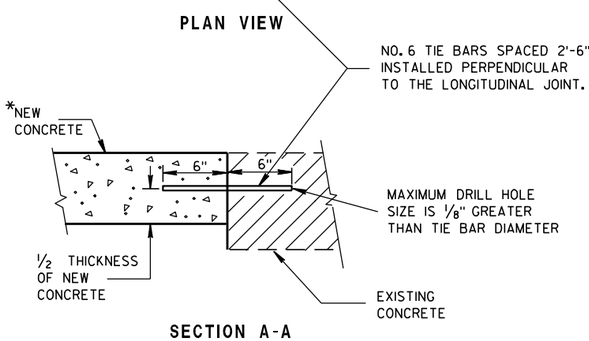
(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



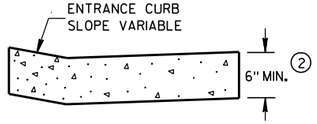
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

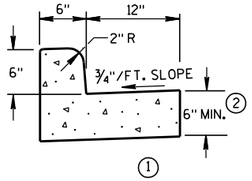


SECTION A-A

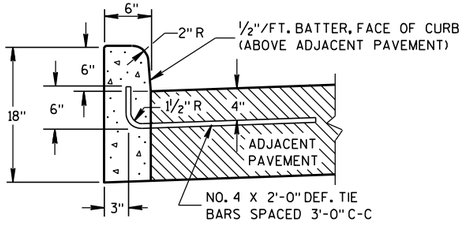
TIE BARS DRILLED INTO EXISTING PAVEMENT



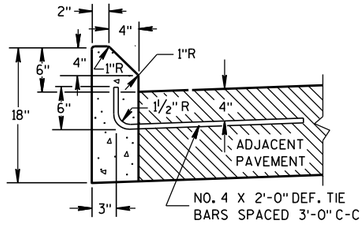
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



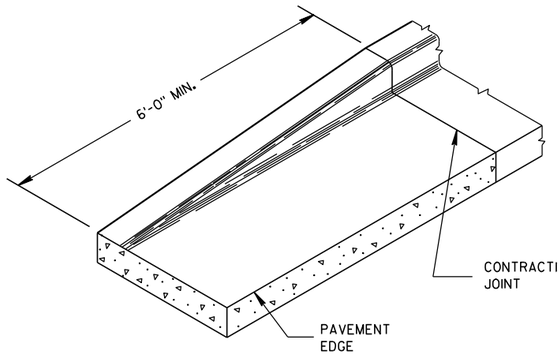
(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"



(1)
TYPES A & D



(1)
TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
190
FHWA
ENT

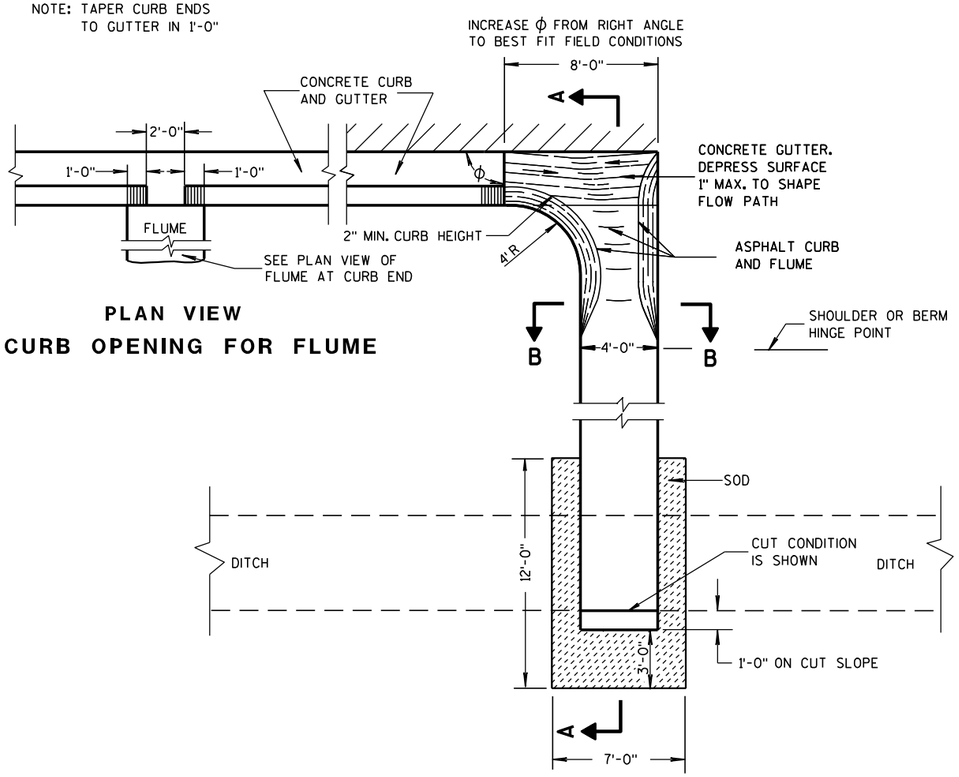
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S.D.D. 8 D 1-17

6

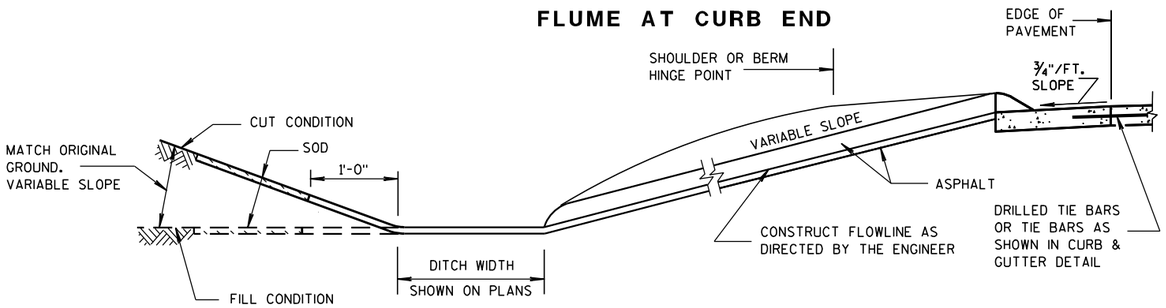
S.D.D. 8 D 1-17

ASPHALTIC FLUME

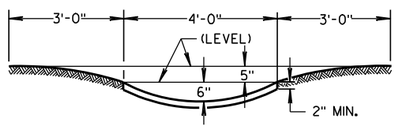


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

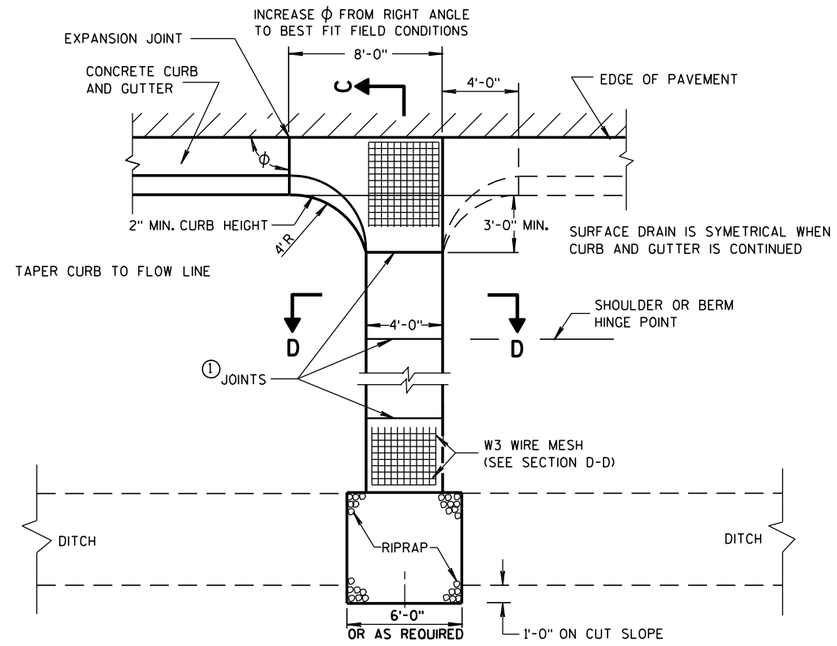
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

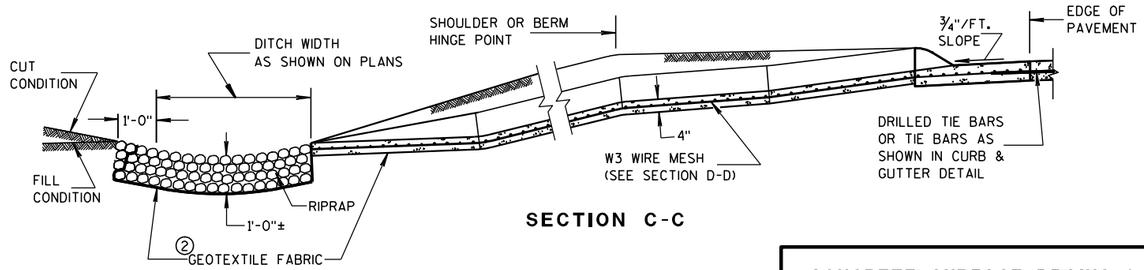
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

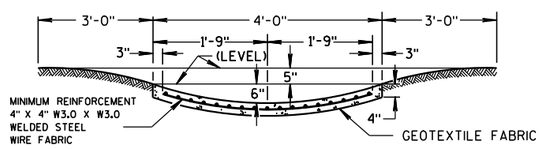
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

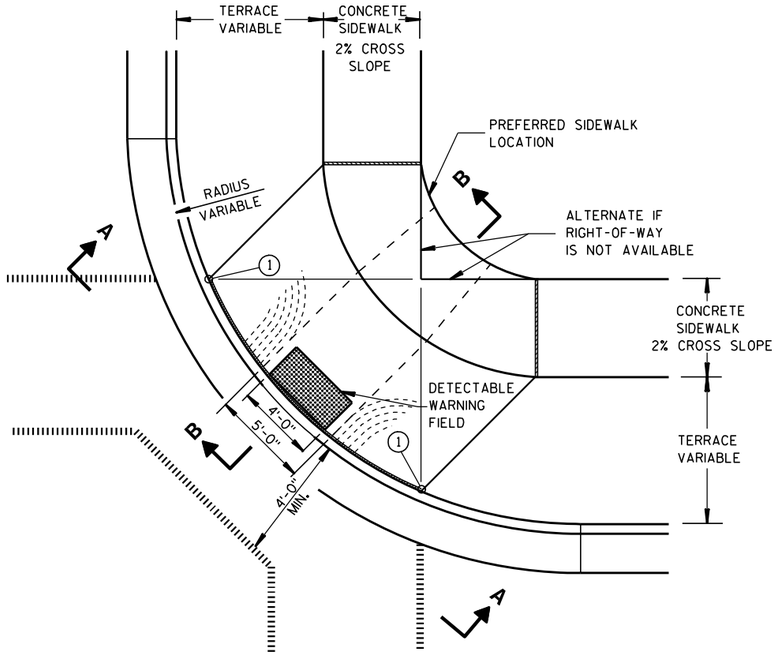
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
191
MENT
FHWA

6

S.D.D. 8 D 4-5

6

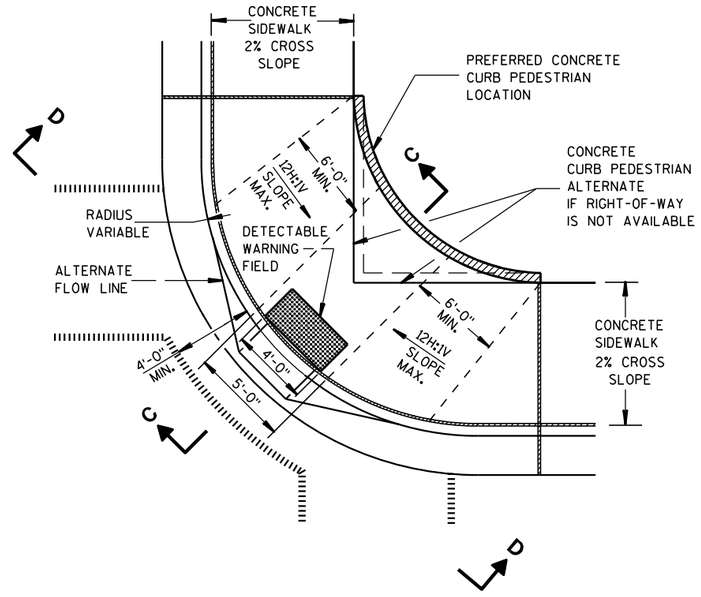
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

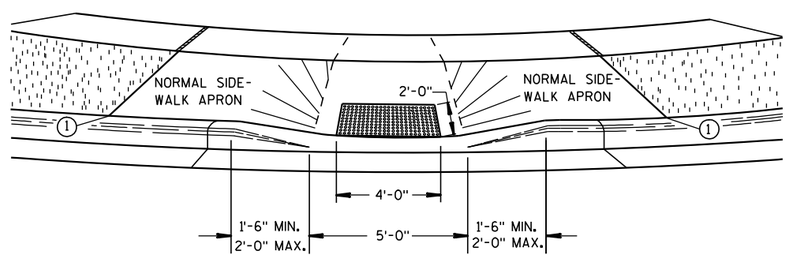
SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

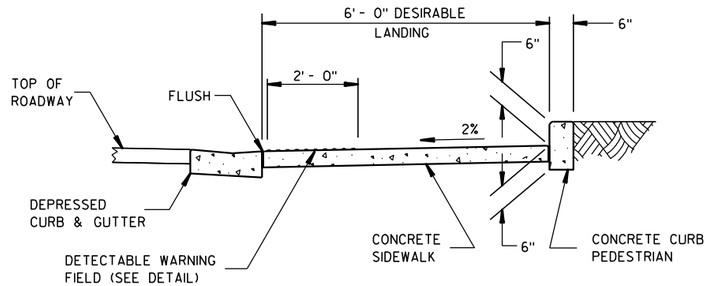
(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

LEGEND

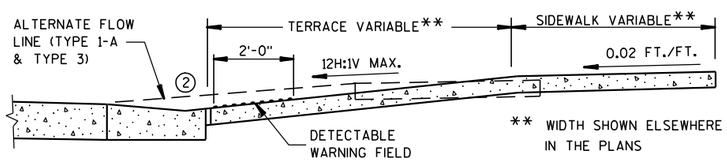
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



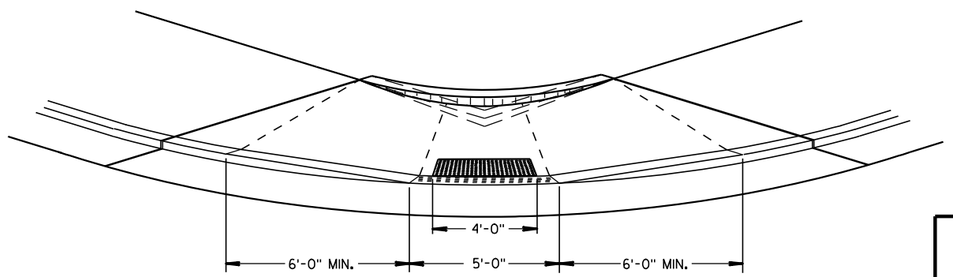
VIEW A-A



SECTION C-C



SECTION B-B



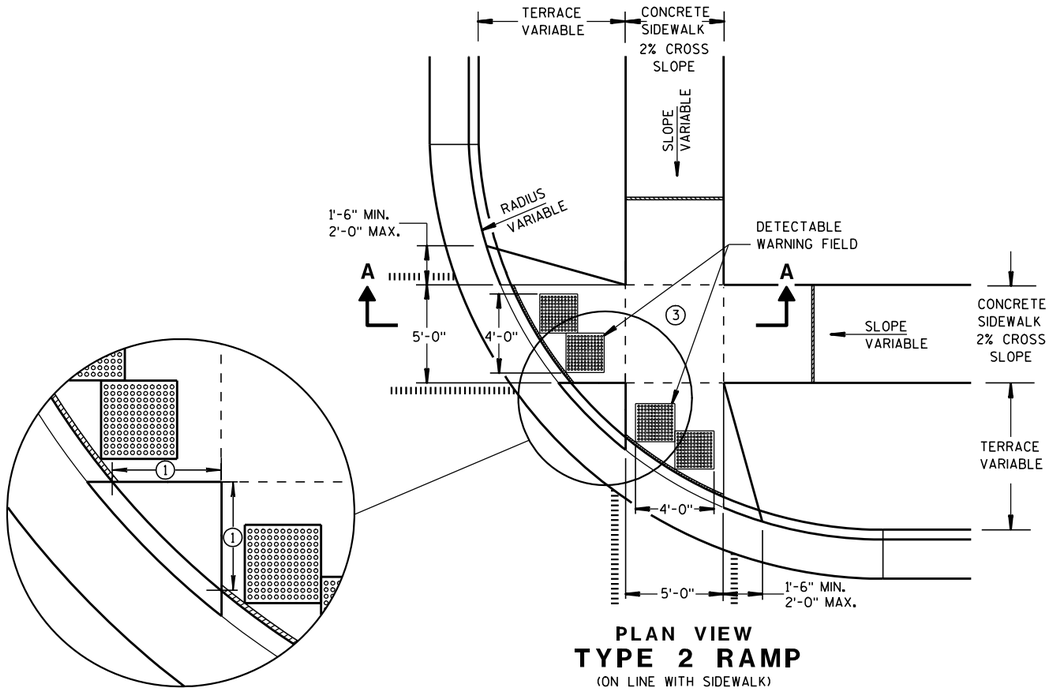
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

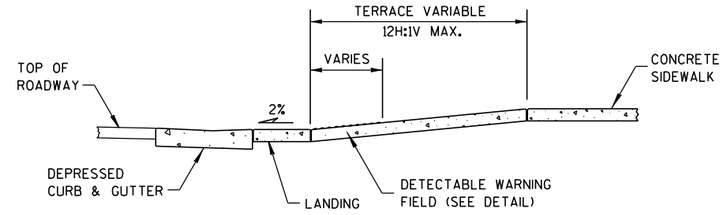
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

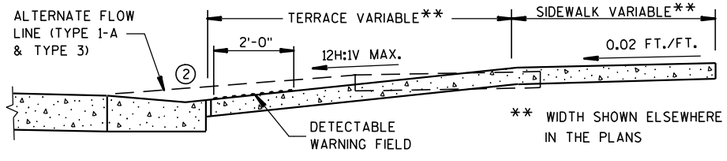
S.D.D. 8 D 5-14a



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

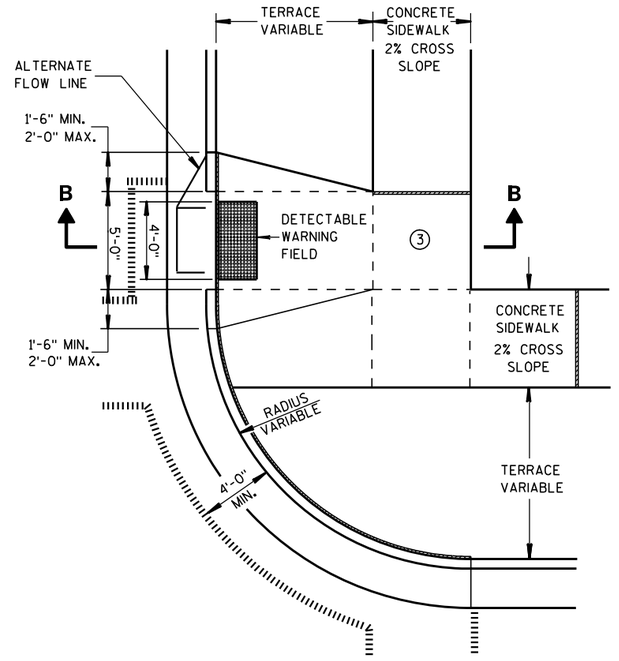
(1) WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

(3) PROVIDE LANDING AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

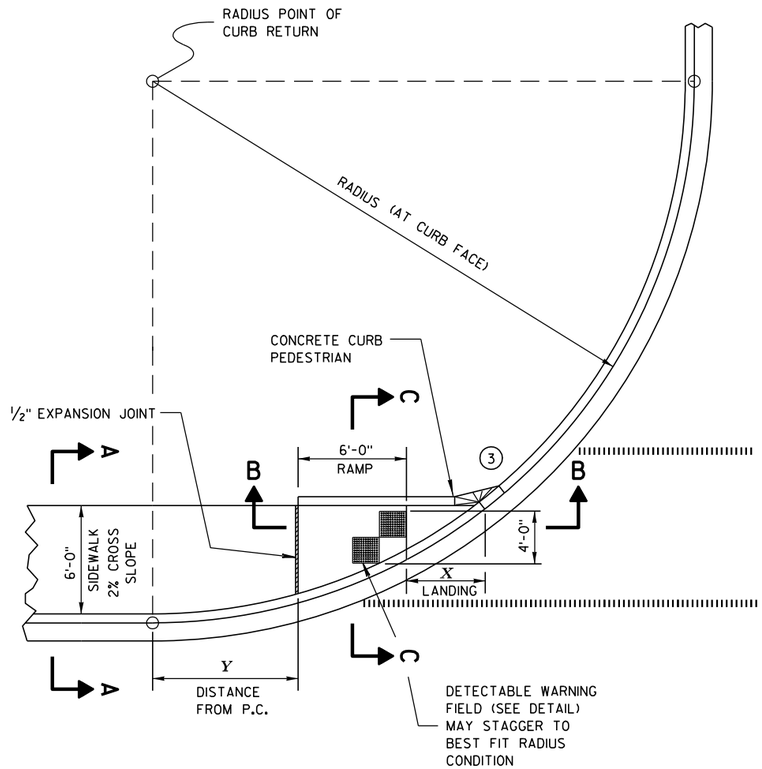


PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS
TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

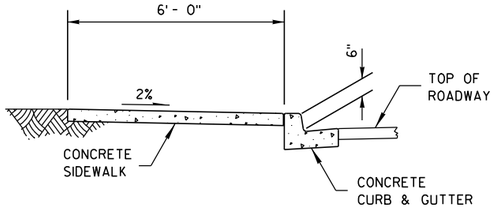
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S.D.D. 8 D 5-14b



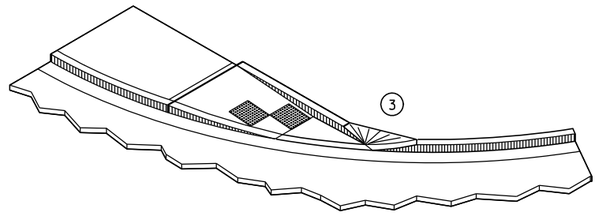
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

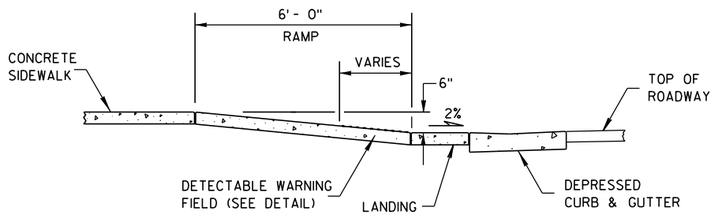
INTERMEDIATE RADII CAN BE INTERPOLATED



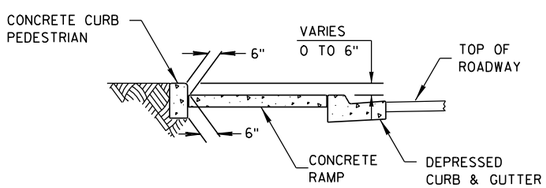
SECTION A-A



ISOMETRIC VIEW



SECTION B-B



SECTION C-C

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

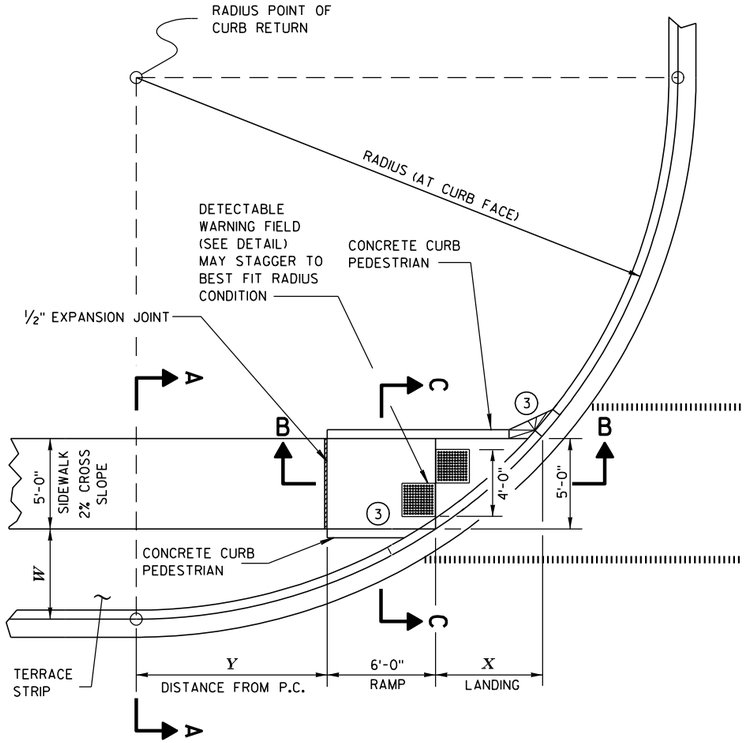
LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 8 D 5-14c



CURB RAMP TYPE 4B
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

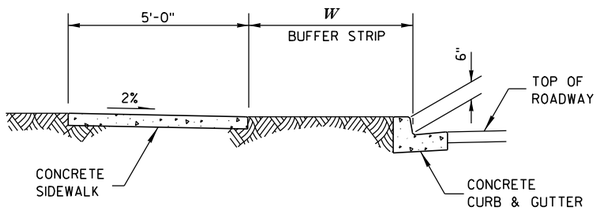
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

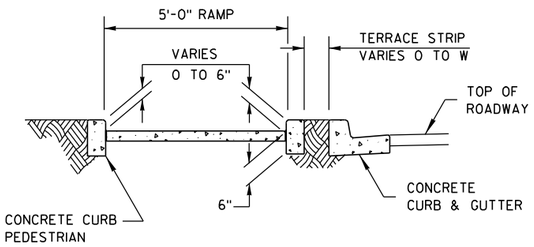
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

RADIUS (AT CURB FACE)	W = 3'- 0"		W = 4'- 0"		W = 5'- 0"		W = 6'- 0"		W = 7'- 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"
70 FEET	12'-2¾"	14'-3¼"	11'-¼"	17'-4"	10'-1"	19'-11¾"	9'-3¾"	22'-4¼"	8'-8¼"	24'-6¼"
80 FEET	13'-2"	15'-8½"	11'-10½"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾"
90 FEET	14'- ½"	17'-½"	12'-8¼"	20'-6½"	11'-7¾"	23'-7"	10'-9¾"	26'-3¾"	10'-1¼"	28'-9½"
100 FEET	14'-10½"	18'-3¾"	13'-5½"	22'-0"	12'-4¼"	25'-2¾"	11'-5¾"	28'-1½"	10'-9"	30'-9"

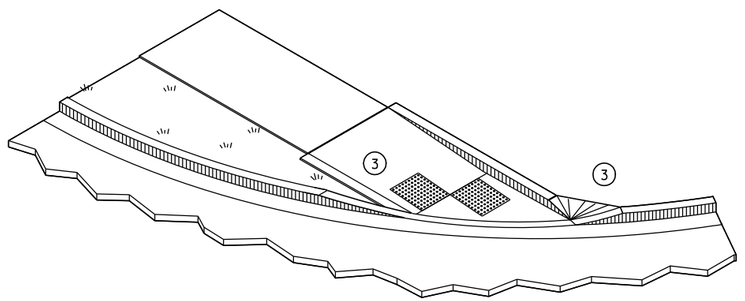
INTERMEDIATE RADII CAN BE INTERPOLATED



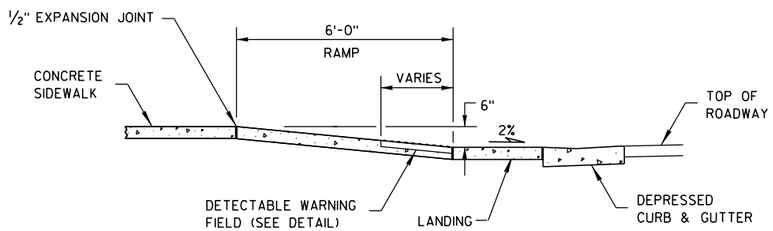
SECTION A-A



SECTION C-C



ISOMETRIC VIEW



SECTION B-B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

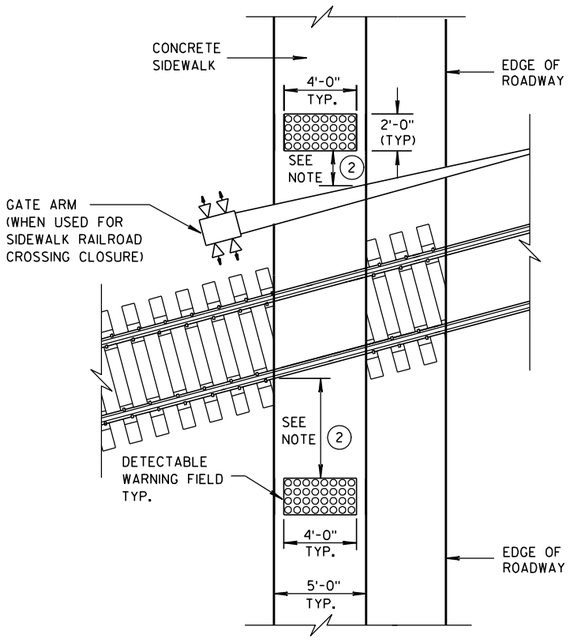
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

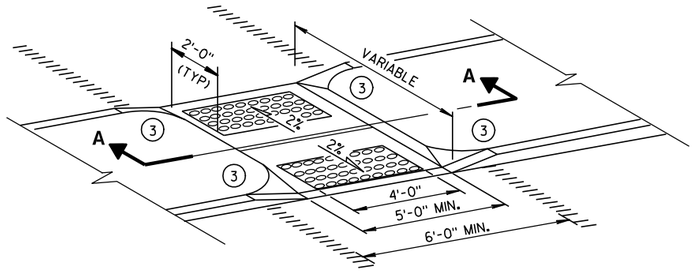
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

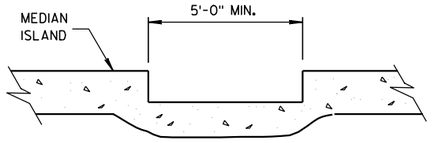
S.D.D. 8 D 5-14d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5



SECTION A-A

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

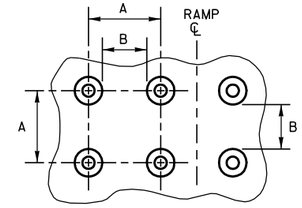
(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

LEGEND

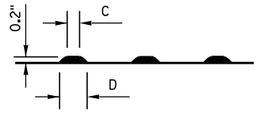
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



PLAN VIEW

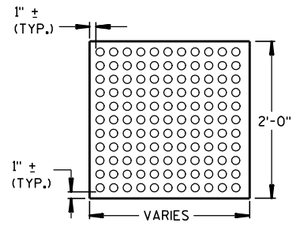
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



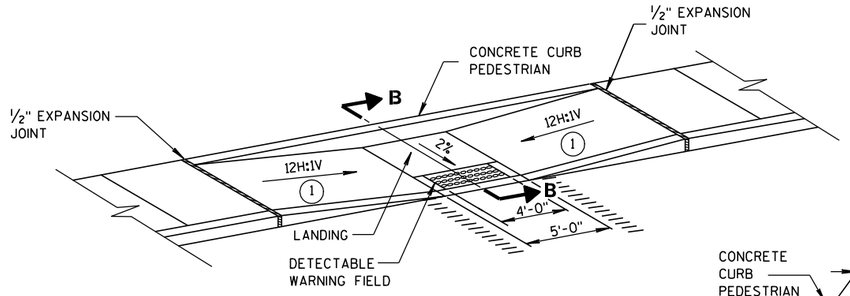
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

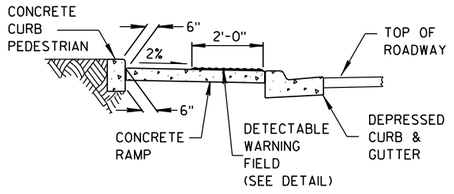


PLAN VIEW

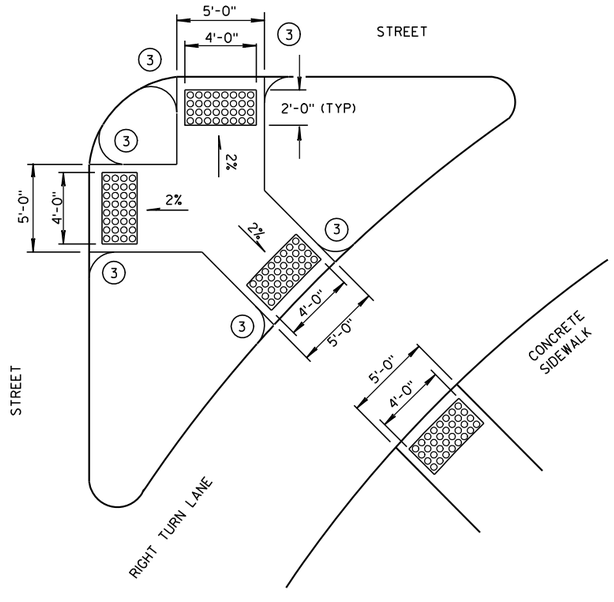
DETECTABLE WARNING FIELD (TYPICAL)



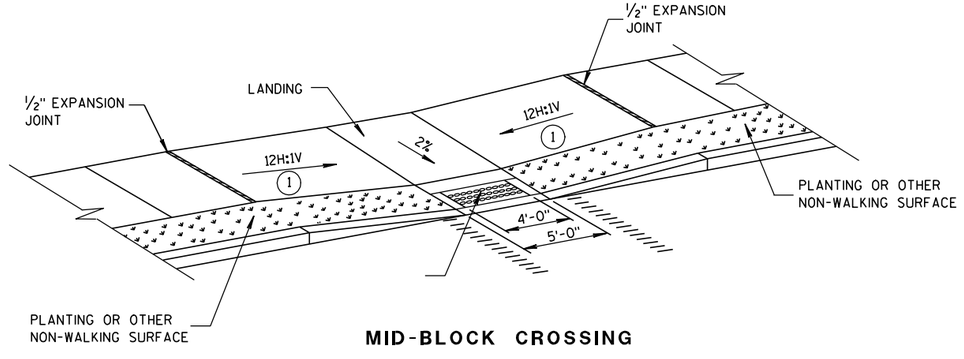
MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

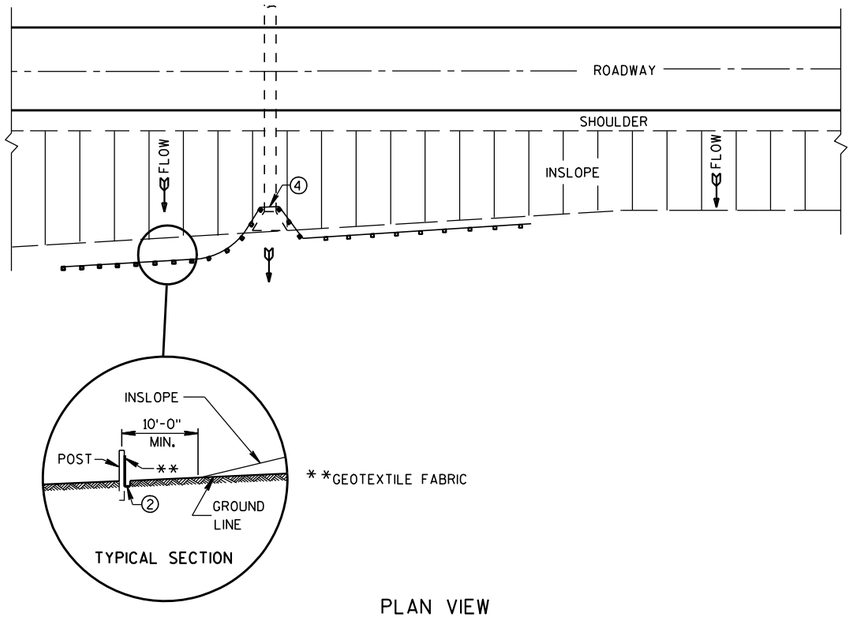
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-9-10 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

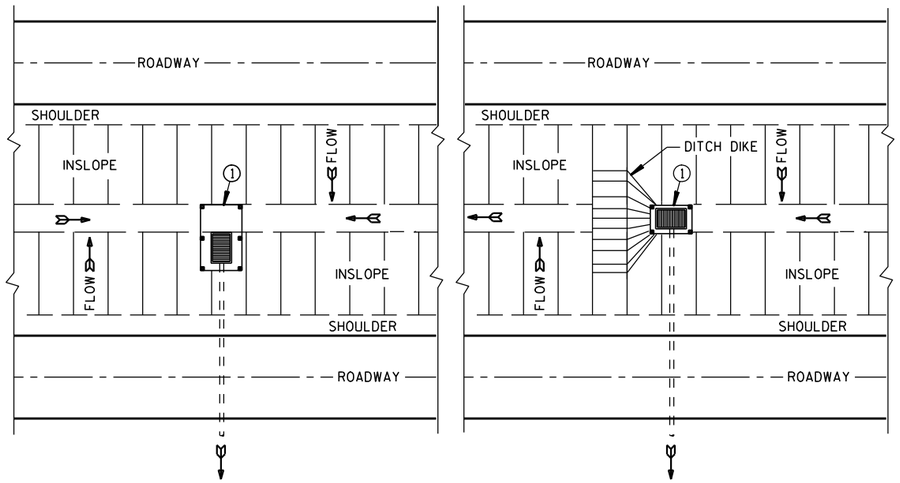
6

S.D.D. 8 D 5-14e



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



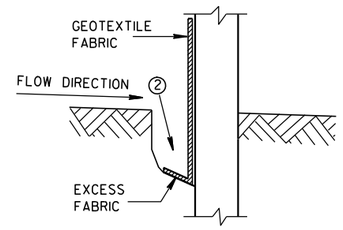
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

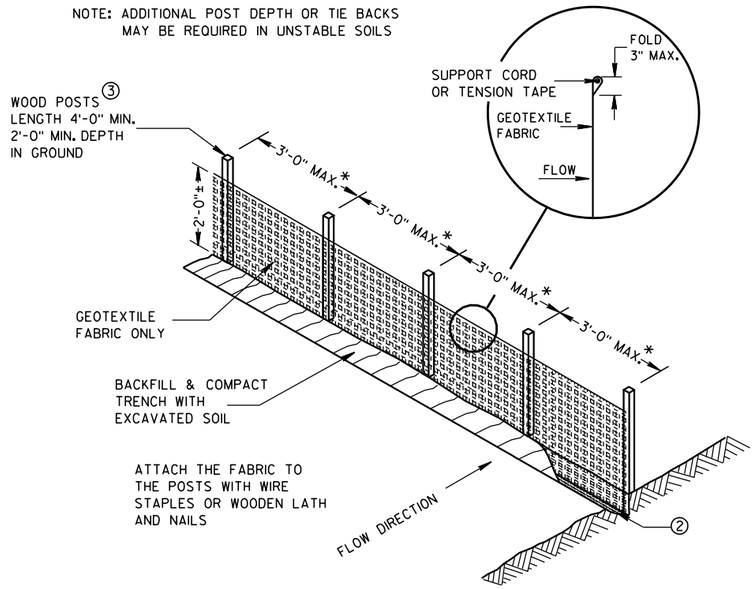
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

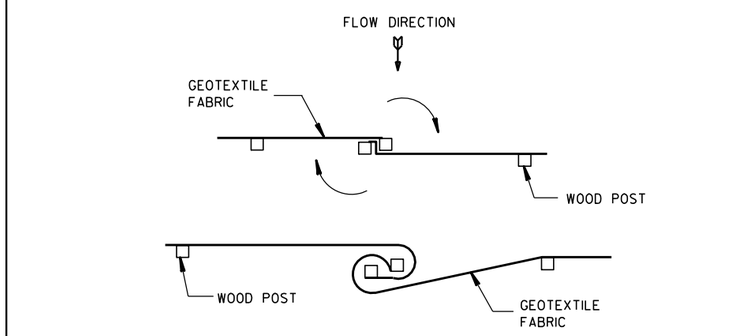
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



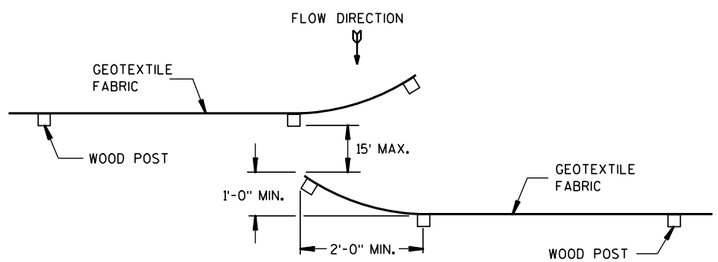
TRENCH DETAIL



SILT FENCE

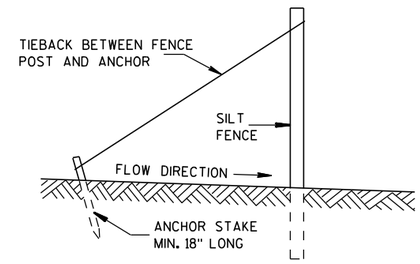


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

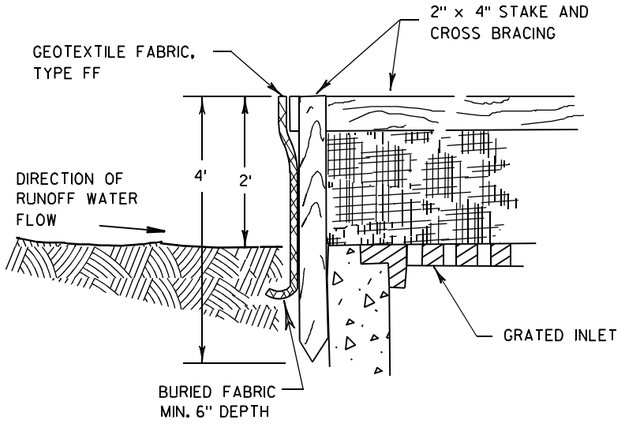
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

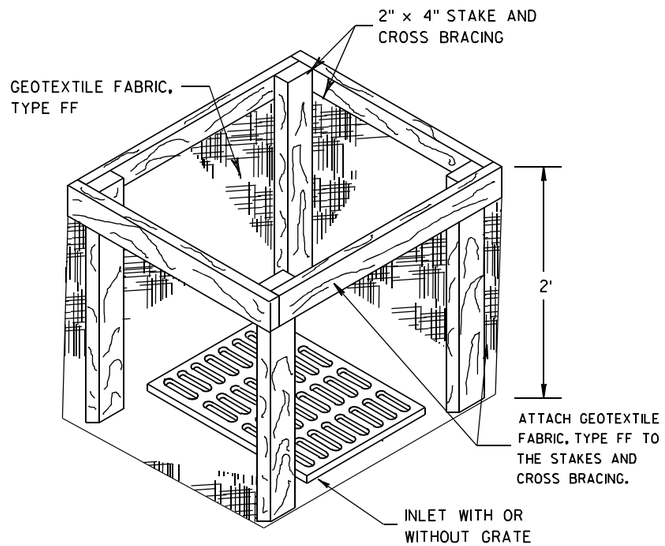
6

S.D.D. 8 E 9-6

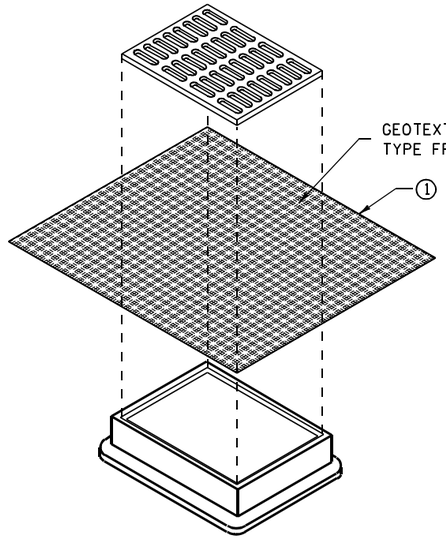
6

S.D.D. 8 E 9-6



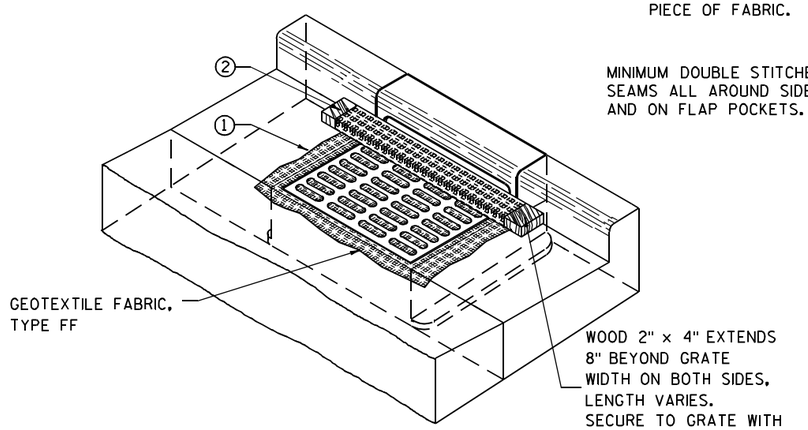


INLET PROTECTION, TYPE A

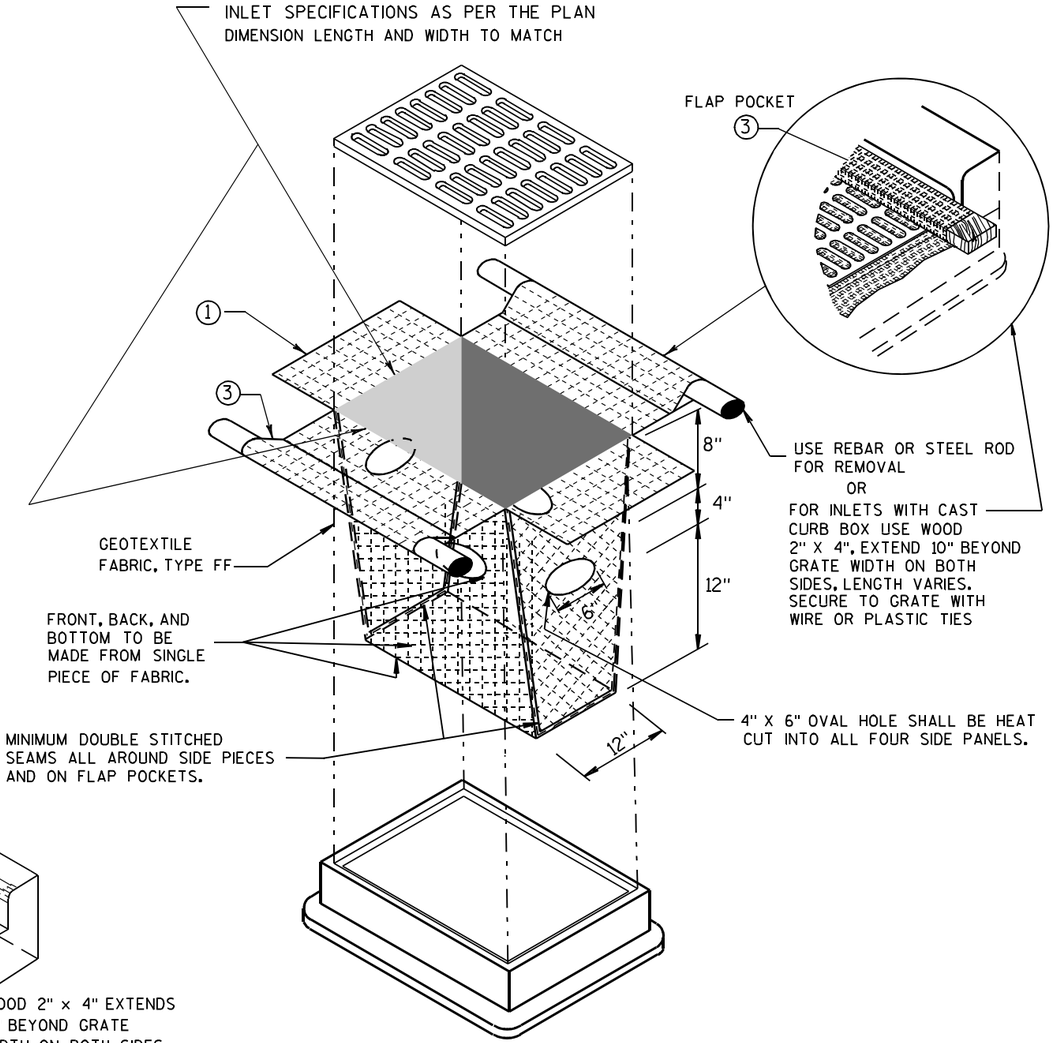


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

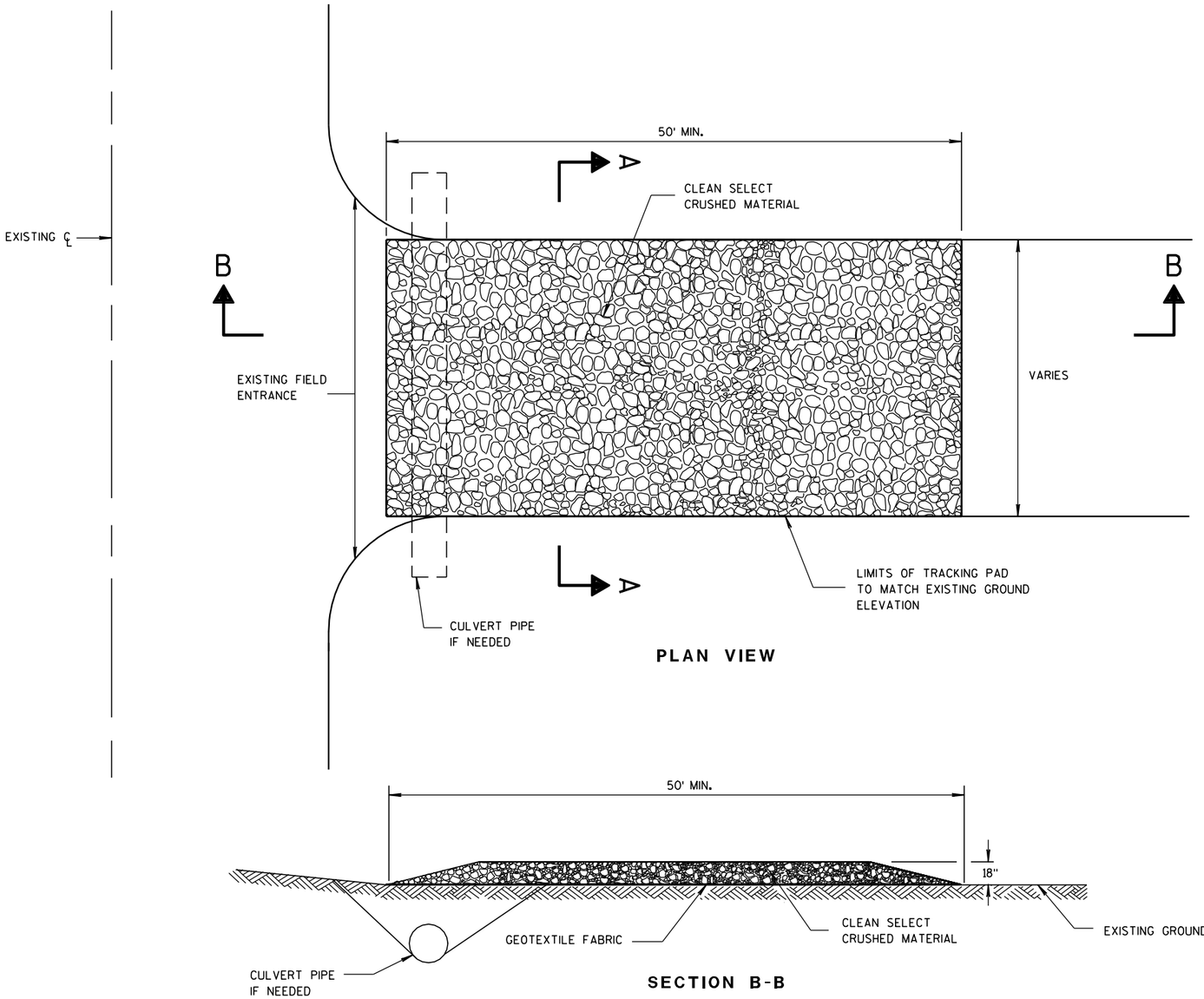
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

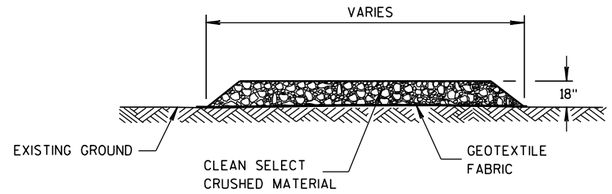
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

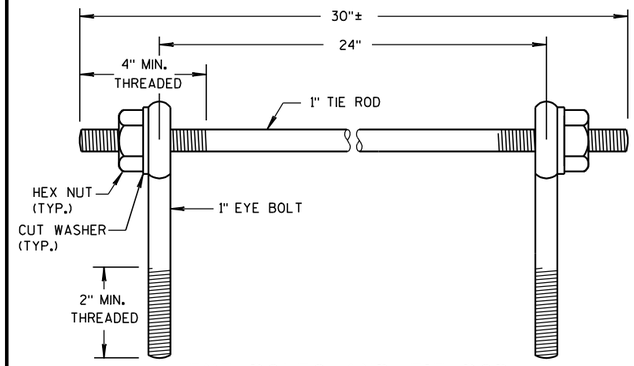
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

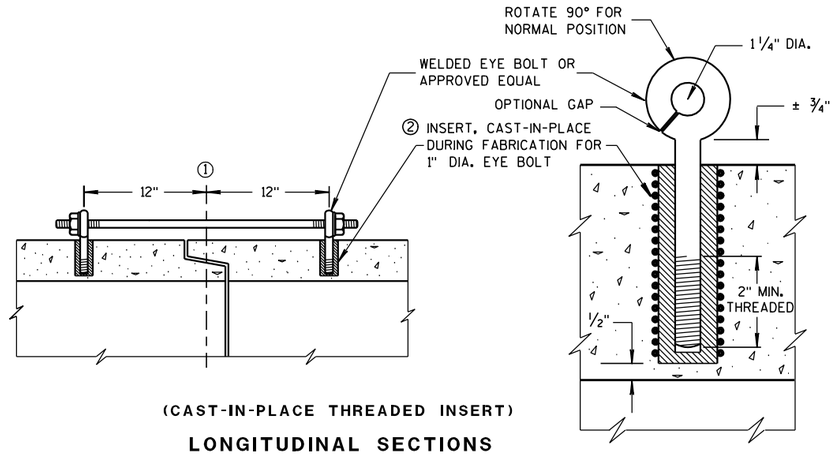
S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

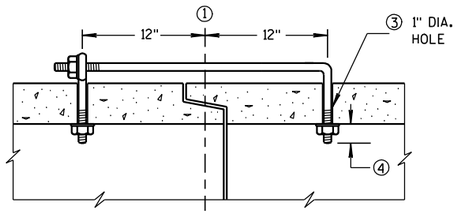
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

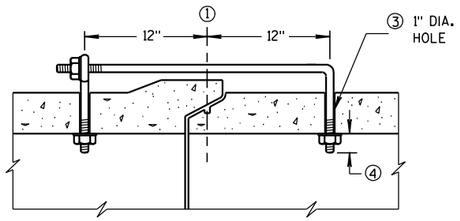
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

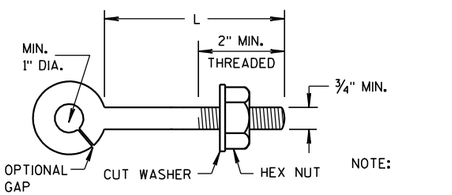


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

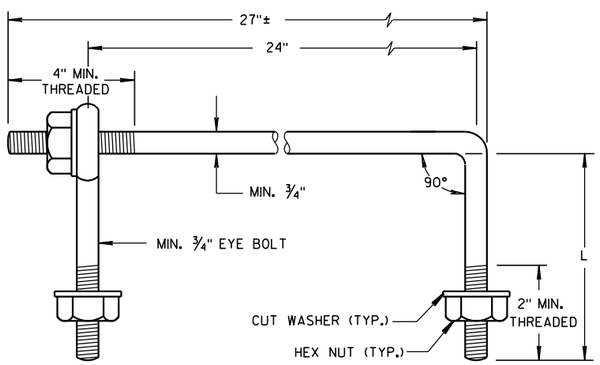
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

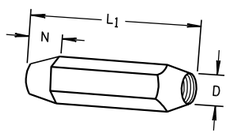
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

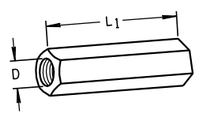
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



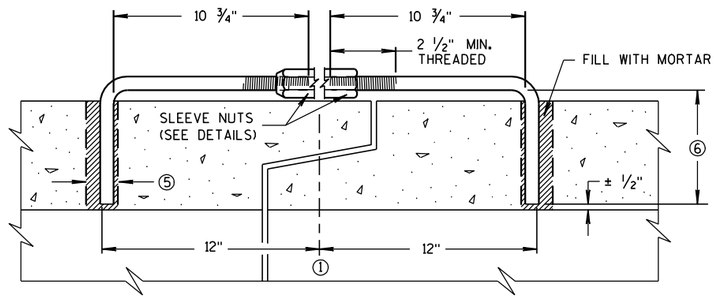
TAPERED



PLAIN

RIGHT AND LEFT THREADS

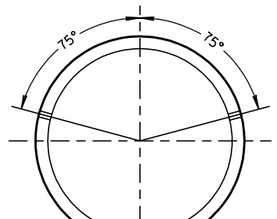
SLEEVE NUTS



LONGITUDINAL SECTION

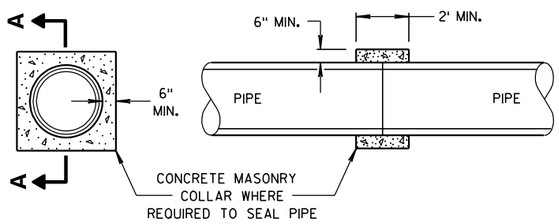
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

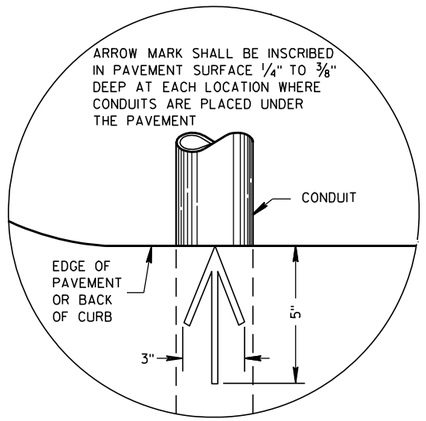
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
200 — [illegible]MENT
FHWA

6

S.D.D. 8 F 4-7

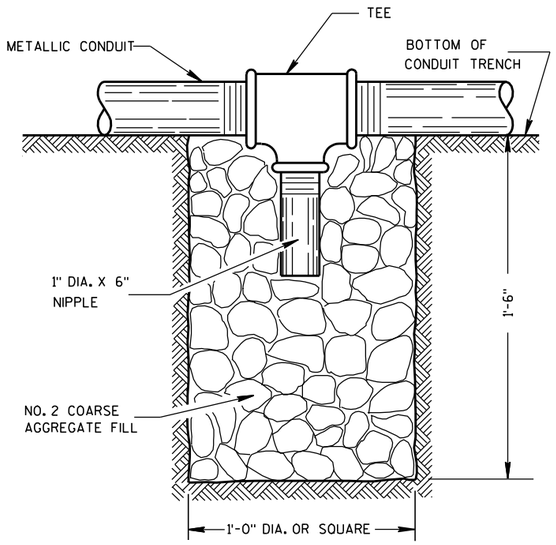
6

S.D.D. 8 F 4-7



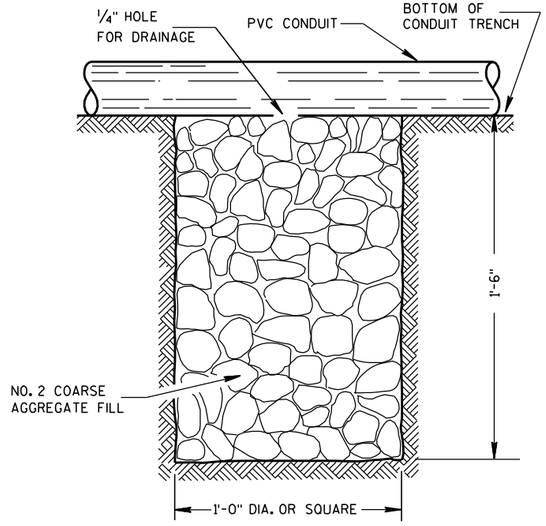
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

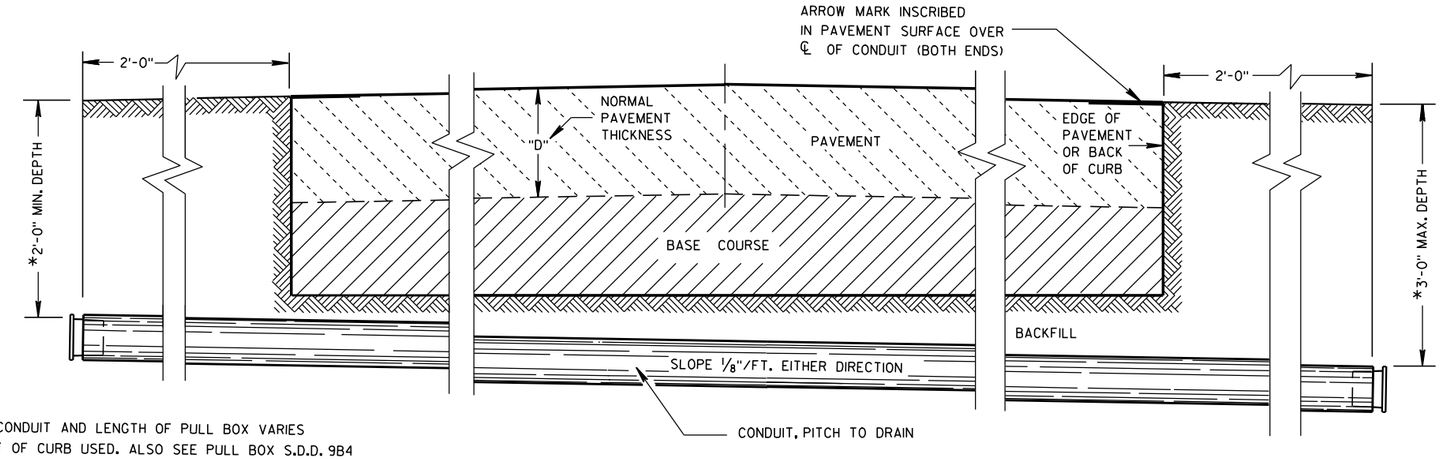
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/23/03 — DATE

/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI

201 HWYS

FHWA

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE. THE MECHANICAL CONNECTION (INSIDE AND OUTSIDE) TO THE PULL BOX, SHALL BE TOTALLY AND PERMANENTLY SEALED WITH A SILICONE OR RUBBERIZED CAULKING COMPOUND AS APPROVED BY THE ENGINEER.

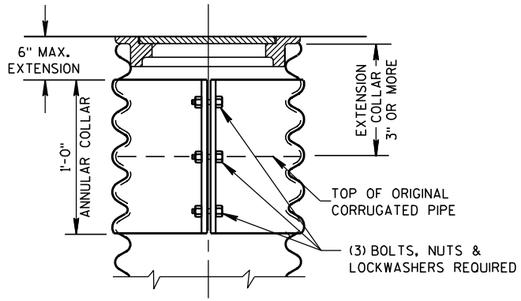
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

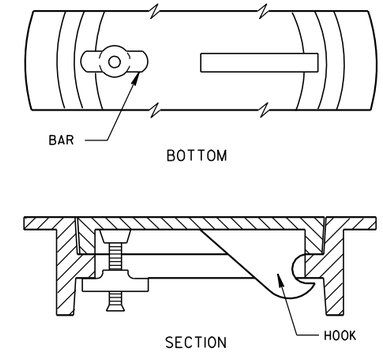
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

IF PULL BOX EQUIPMENT GROUNDING IS REQUIRED USING AN EQUIPMENT GROUNDING ELECTRODE IN EACH PULL BOX, THE EQUIPMENT GROUNDING ELECTRODE SHALL BE 5/8" X 8'-0", COPPERCLAD AND BE EXOTHERMICALLY WELDED TO A #4 AWG, COPPER, STRANDED WIRE (BARE OR GREEN INSULATED). THE #4 AWG WIRE SHALL BE 4 FEET IN LENGTH, NEATLY COILED, TAPED AND AVAILABLE FOR USE WHEN REQUIRED.

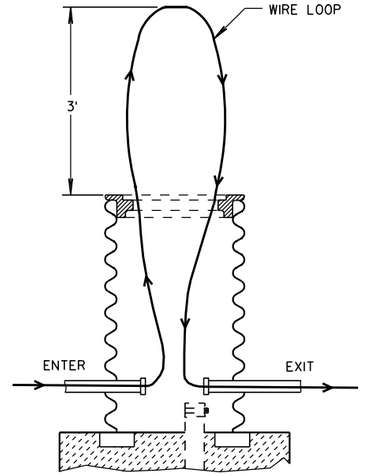


CORRUGATED PIPE EXTENDER

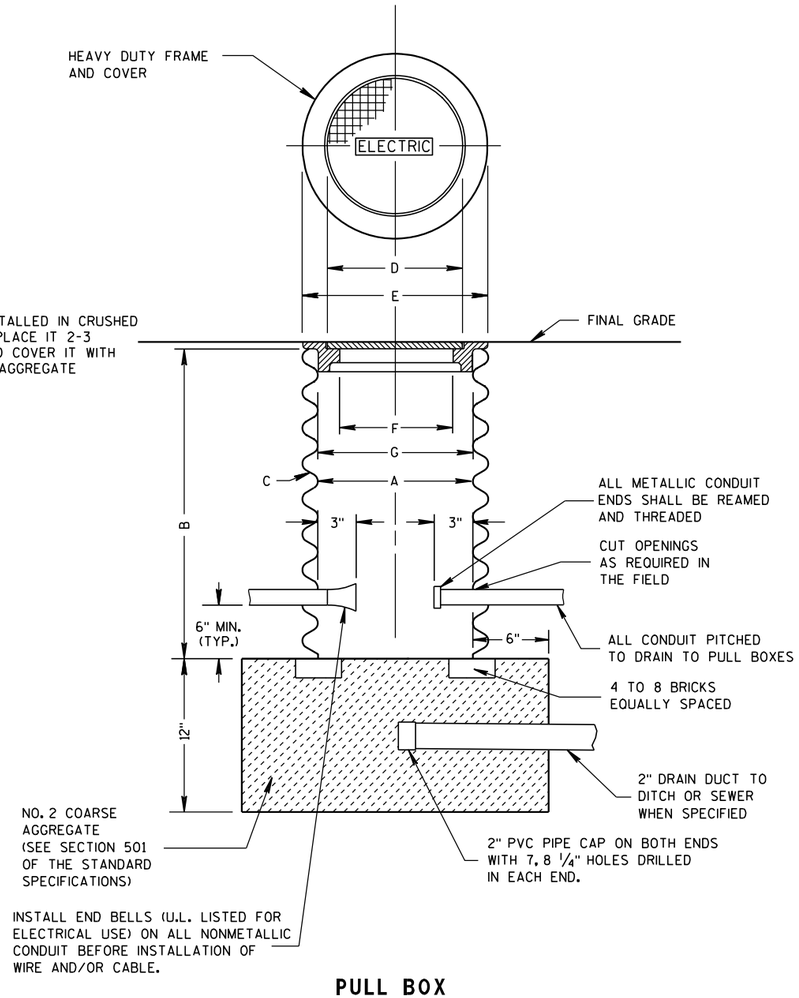


ALTERNATE COVER (LOCKING)

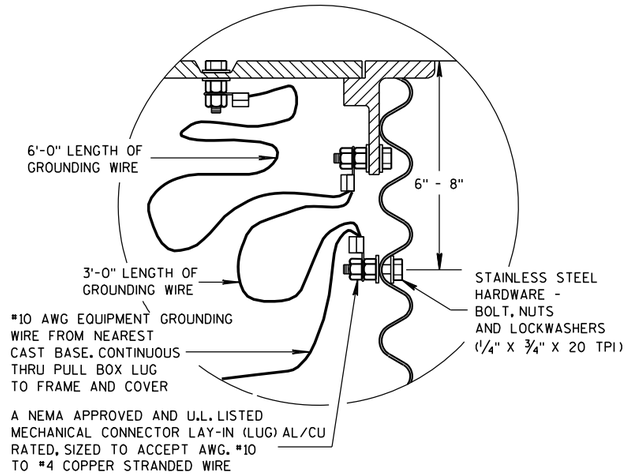
TIGHTENING BAR TYPE



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



PULL BOX

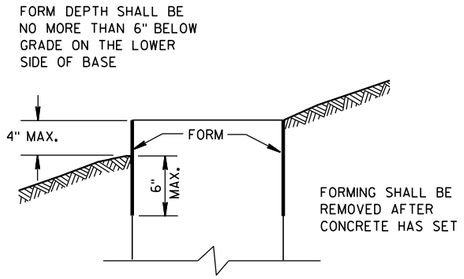


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/27/06 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI
202
HWYS
FHWA



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2 AND TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-449, OR ASTM A-687 (GRADE 105).

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

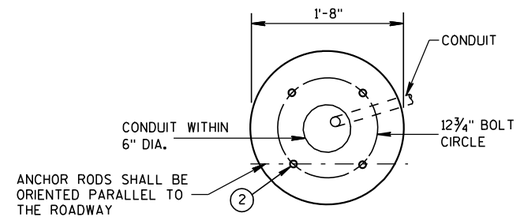
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

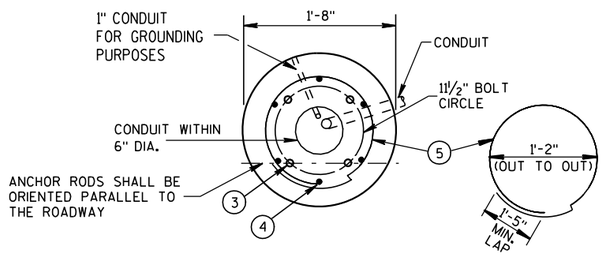
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

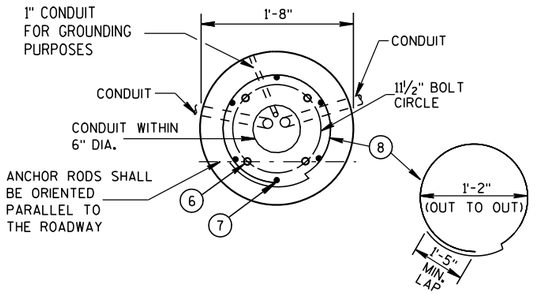
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



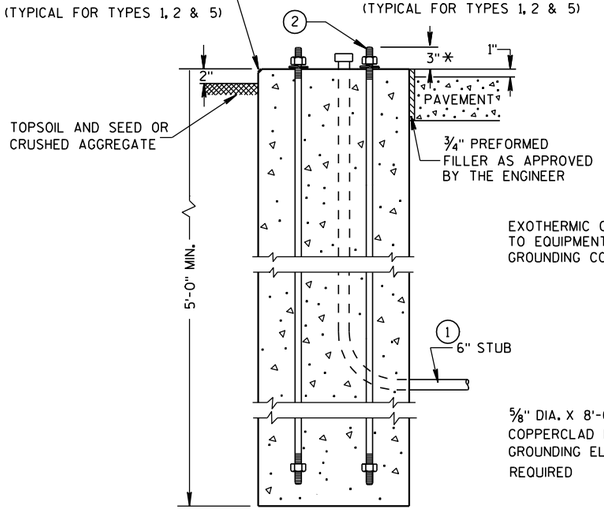




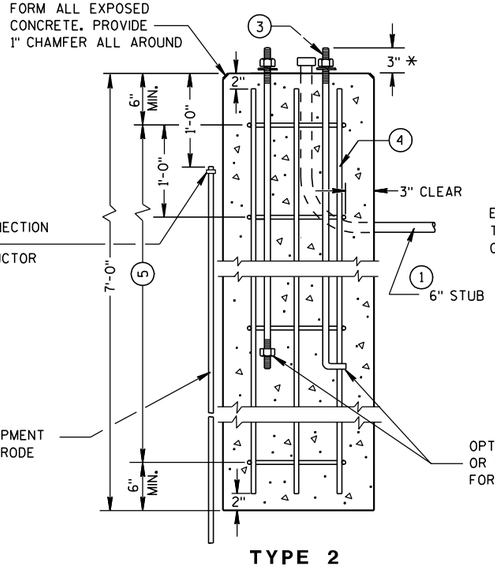
FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2 & 5)

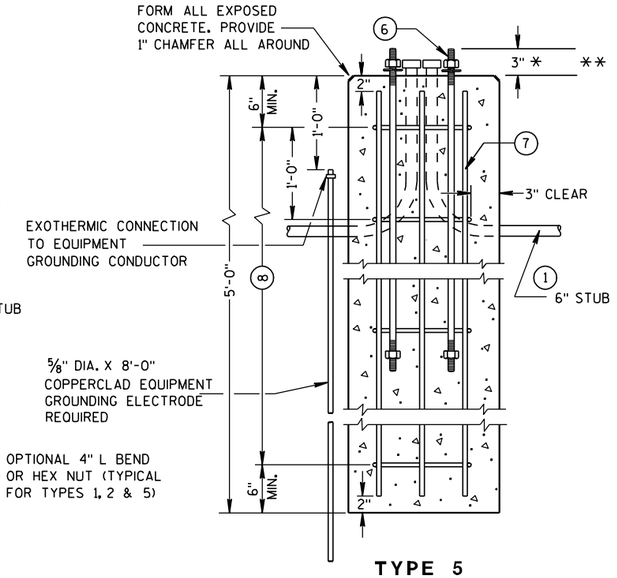
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2 & 5)



TYPE 1



TYPE 2



TYPE 5

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2 & 5

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/3/10 — DATE
/S/ Joanna L. Rush — STATE ELECTRICAL ENGI
203 — HWYS
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-325, (92,000 YIELD) HEAVY HEX NUT AND BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, CLASS C.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED AND U.L. LISTED MECHANICAL CONNECTOR (LUG) AL/CU RATED AND SIZED TO ACCEPT #10 AWG STRANDED WIRE, SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

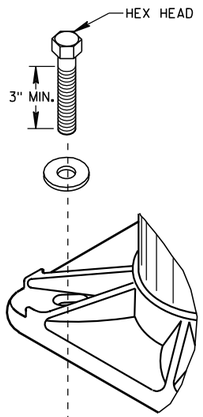
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

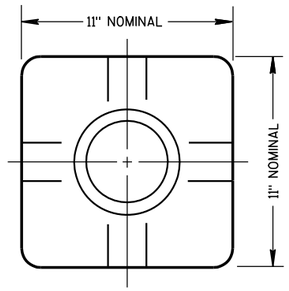
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

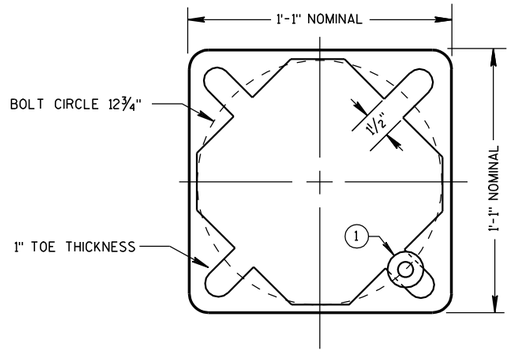
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1½", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

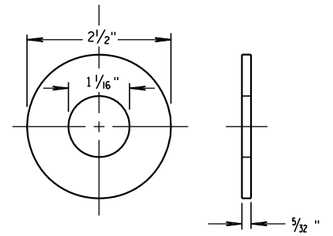




TOP VIEW
(PEDESTAL BASE)

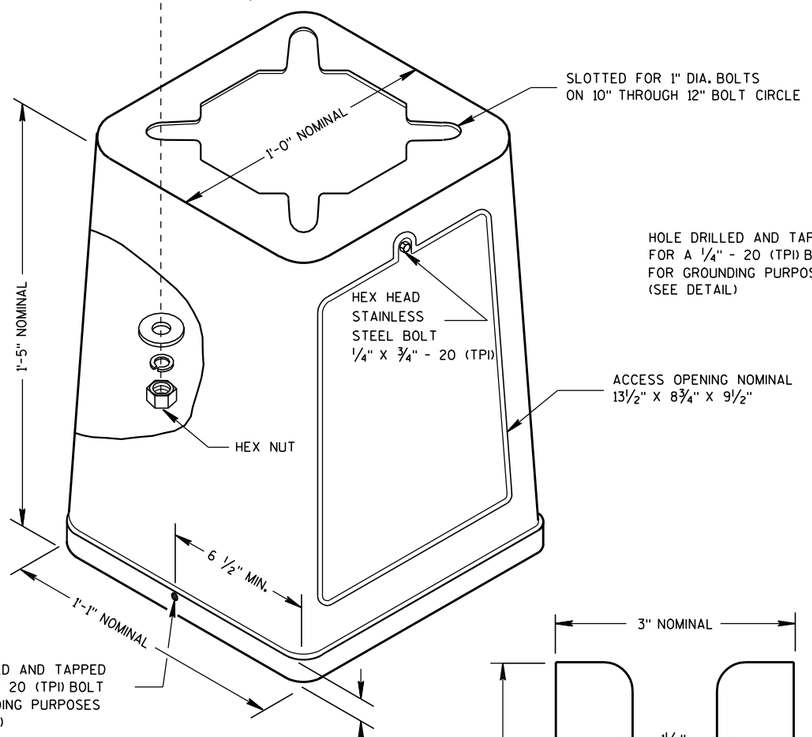


BOTTOM VIEW
(PEDESTAL BASE)

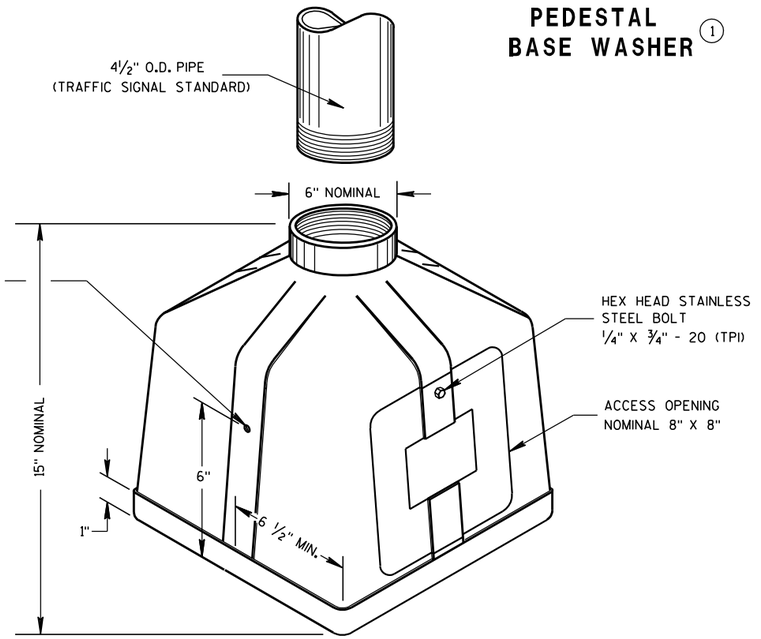


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

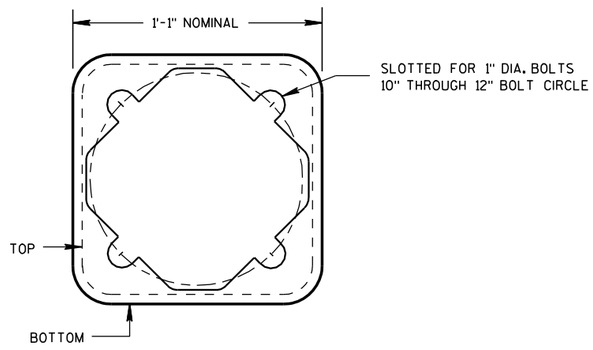


ISOMETRIC VIEW

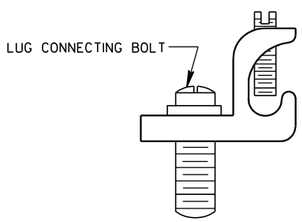


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

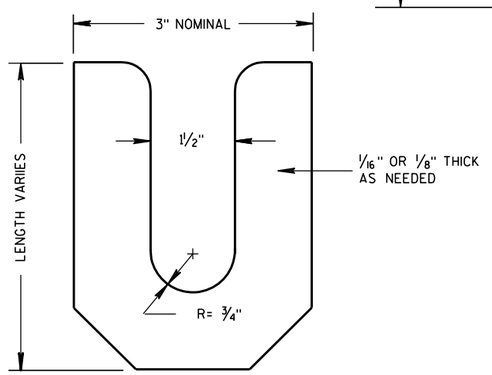


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

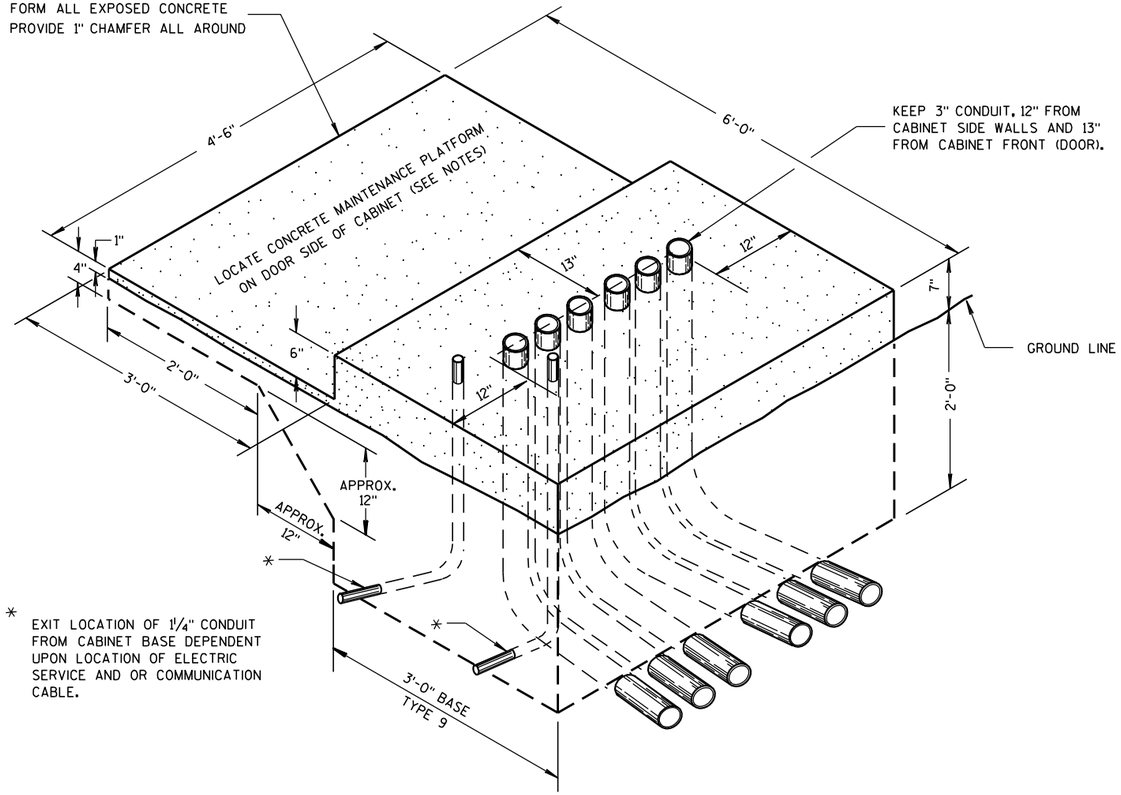
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10/27/09 — DATE
/S/ Joanna L. Rich — STATE ELECTRICAL ENGI
204 — HWYS
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S.D.D. 9 C 3-3

6

S.D.D. 9 C 3-3

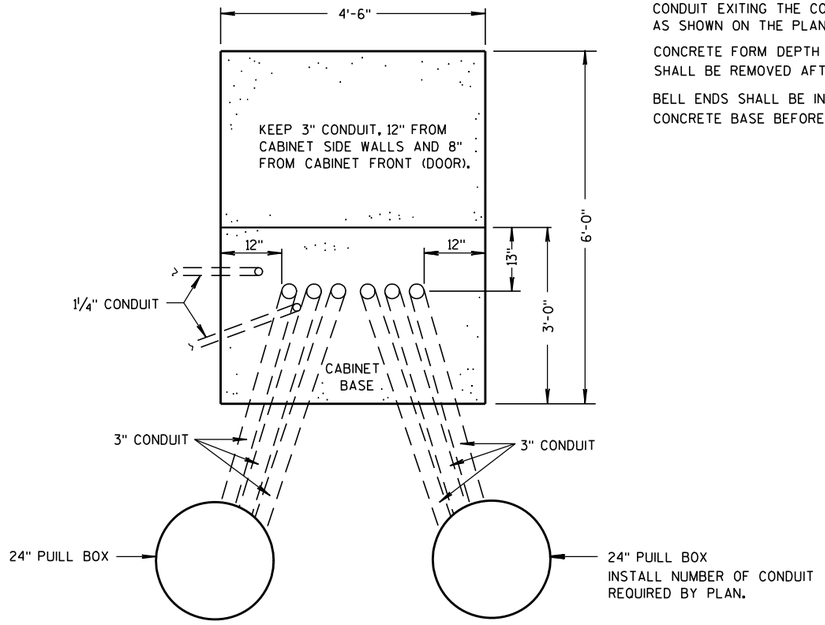


* EXIT LOCATION OF 1¼" CONDUIT FROM CABINET BASE DEPENDENT UPON LOCATION OF ELECTRIC SERVICE AND OR COMMUNICATION CABLE.

ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/27/07 — DATE

/S/ Balu Ananthapadmanabhan — STATE ELECTRICAL ENGI

205

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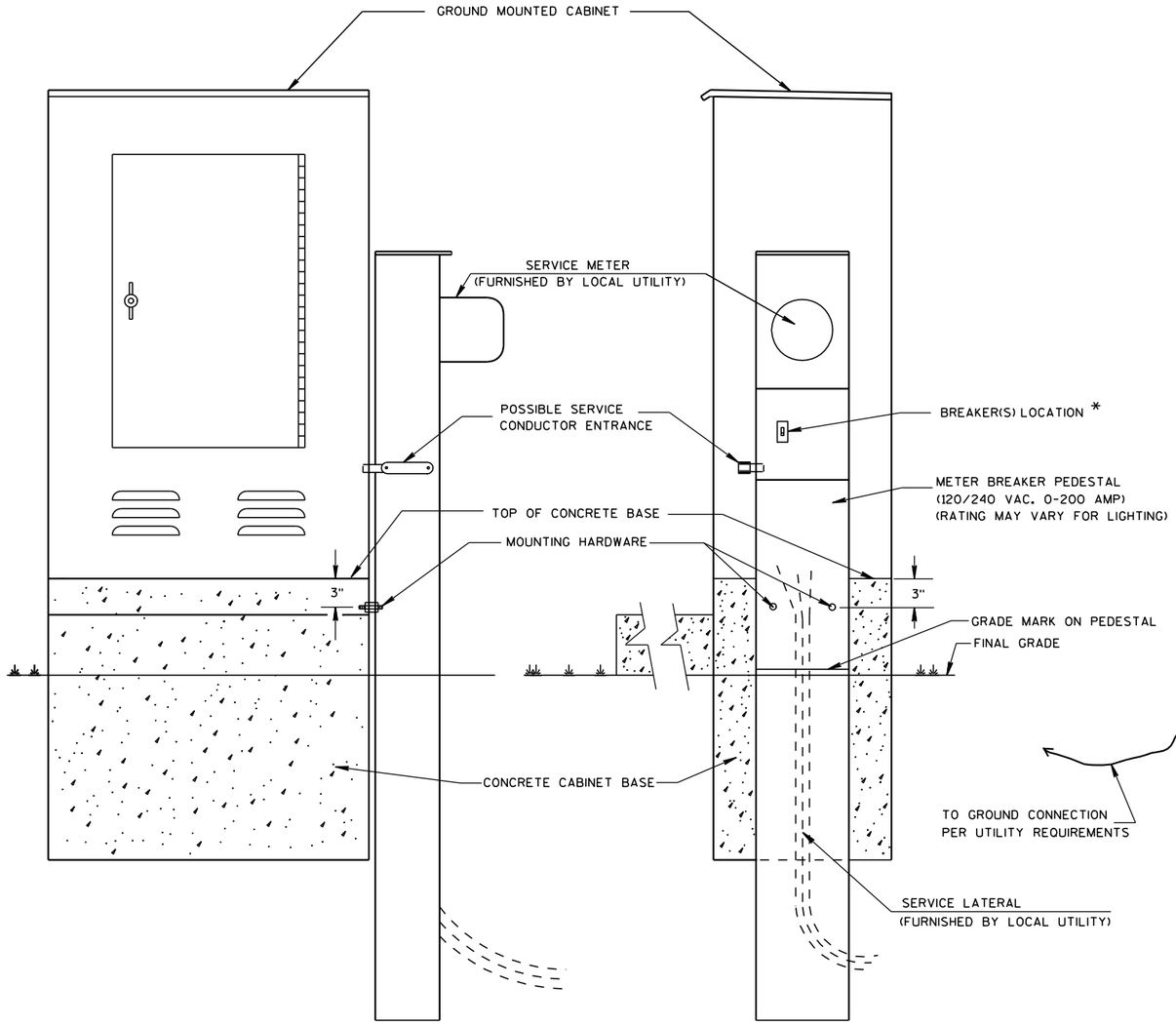
FHWA

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S.D.D. 9 C 6-5

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S.D.D. 9 C 6-5



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-4

6

S.D.D. 9 D 1-4

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

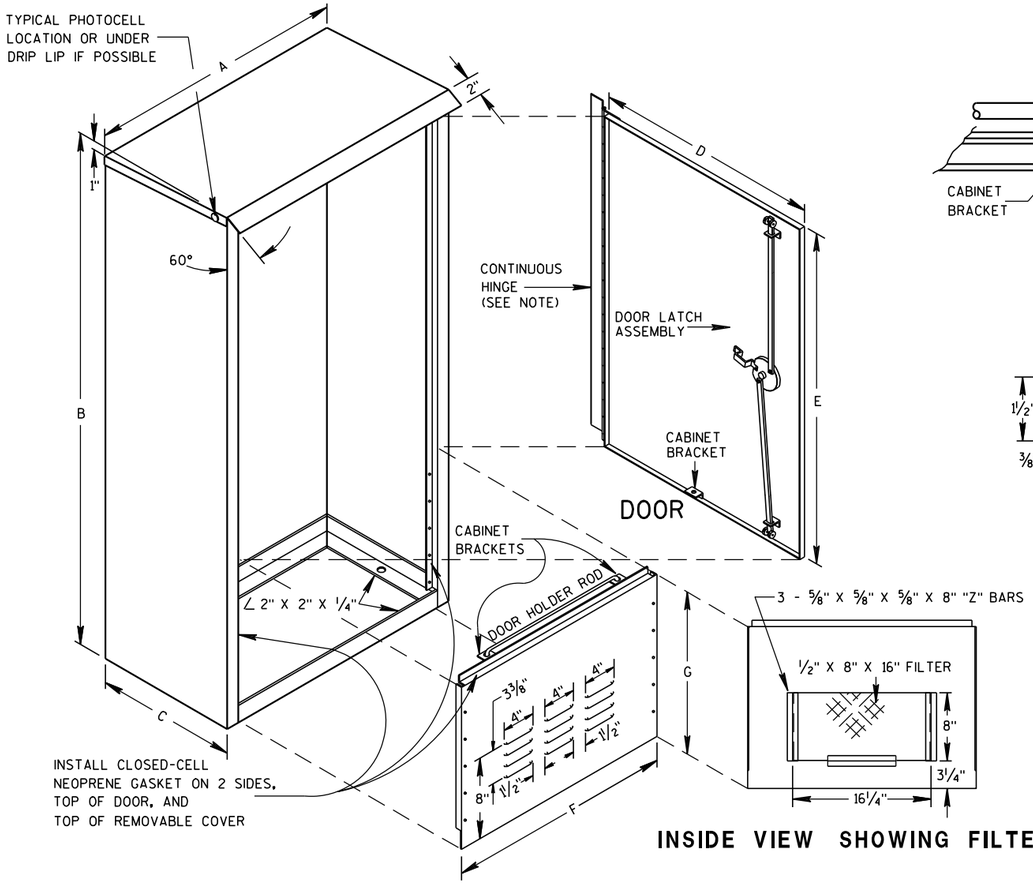
10/27/09 — DATE

/S/ Joanna L. Bush — STATE ELECTRICAL ENGI

206

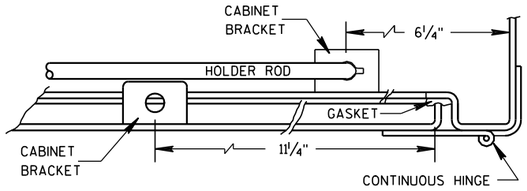
HWYS

FHWA

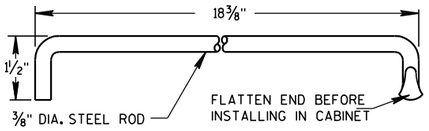


REMOVABLE COVER

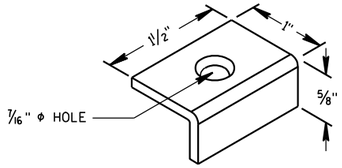
INSIDE VIEW SHOWING FILTER



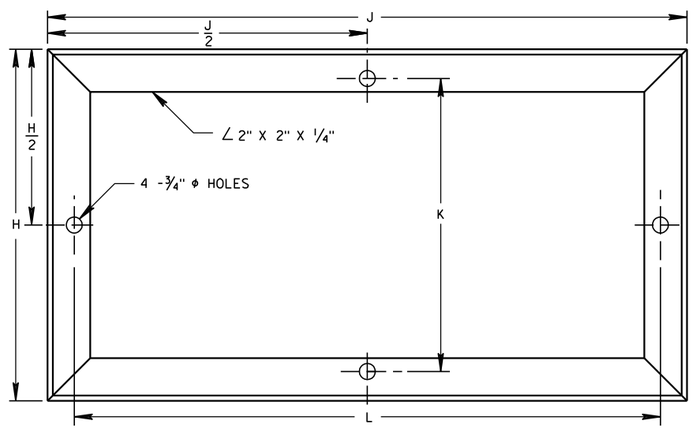
HINGE & DOOR HOLDER



HOLDER ROD



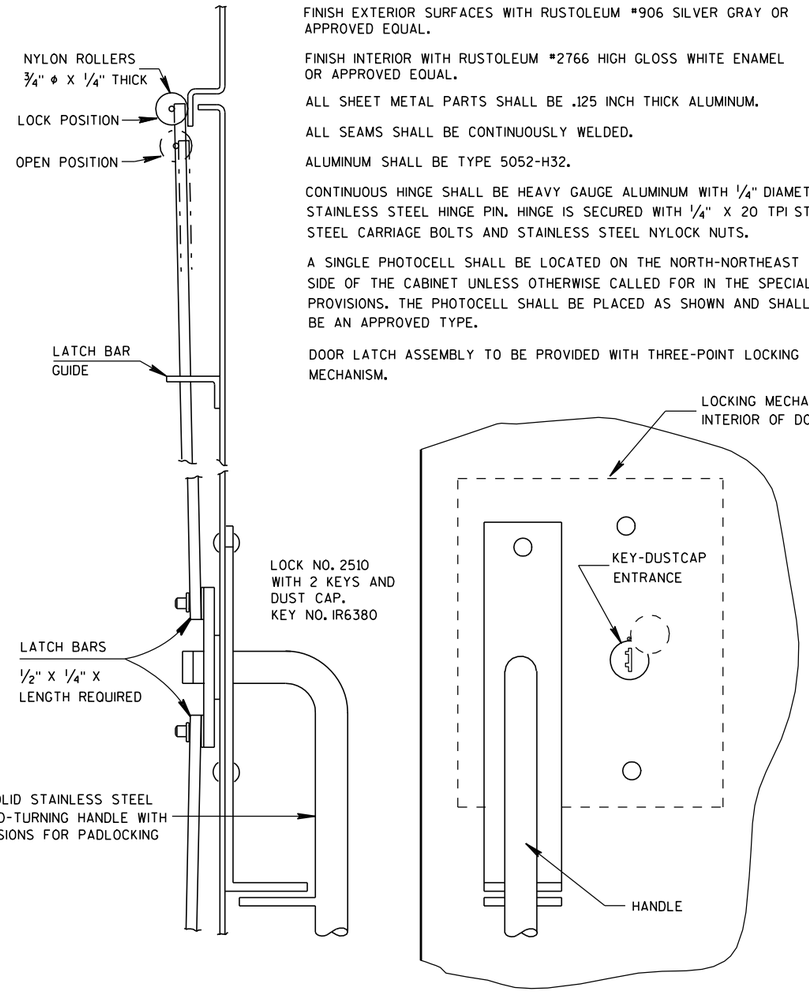
CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

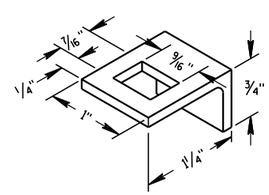
MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

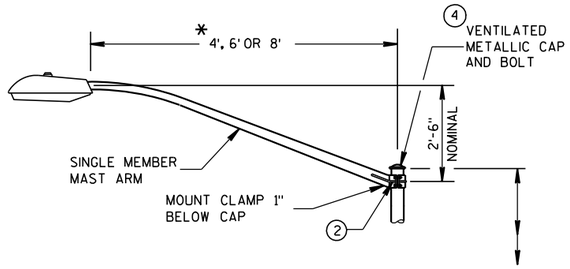
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

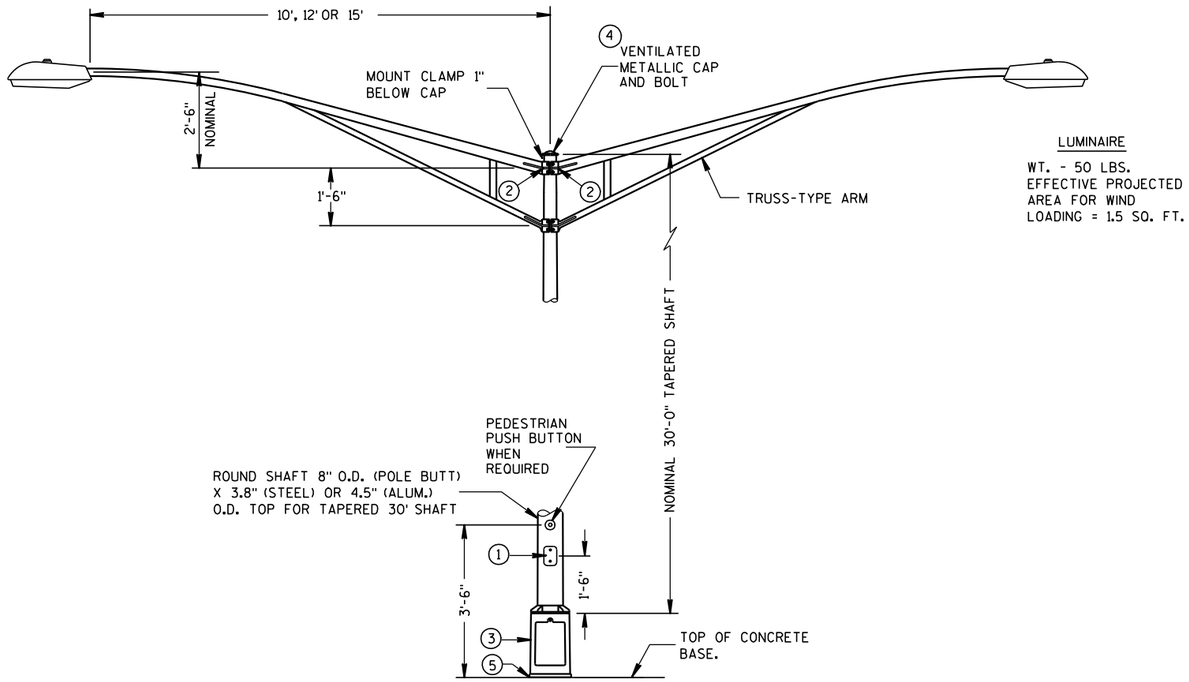
SIGNAL OR LIGHTING CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

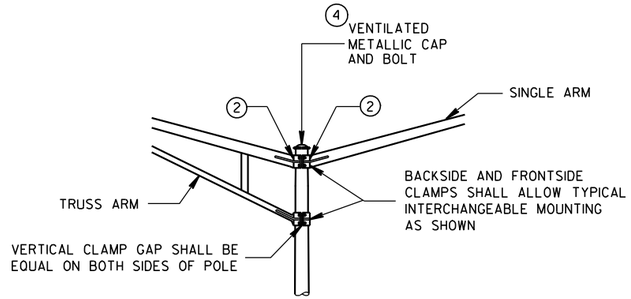
APPROVED
10/21/96 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
207 — HWYS
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*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

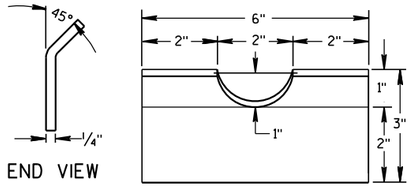
WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

1. 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.
2. GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.
3. CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.
4. FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
5. SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

POLE MONTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

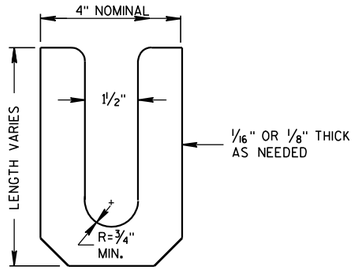
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 9 E 1-11d



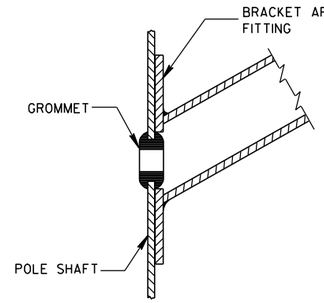
RECTANGULAR CLAMP SHIM

(4 TO A SET)

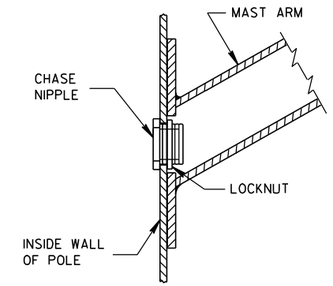


LEVELING SHIM (15)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

(10.) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11.) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

(12.) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13.) OUTSIDE SHIM DIAMETER - (4.5" O.D. FOR LUMINAIRE MAST ARM)
(6.625" O.D. FOR TROMBONE MAST ARM)

(14.) VARIABLE SHIM THICKNESS - (0.10", 0.25", 0.35", 0.53" OR 0.70")

SHIM THICKNESS FOR TROMBONE MAST ARMS MAY BE TYPICALLY 0.25", 0.35", 0.53" OR 0.70".

SHIM THICKNESS FOR LUMINAIRE MAST ARMS MAY BE TYPICALLY 0.10", 0.25" OR 0.35".

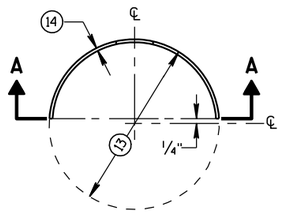
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

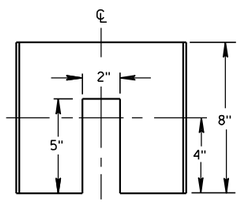
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(15.) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



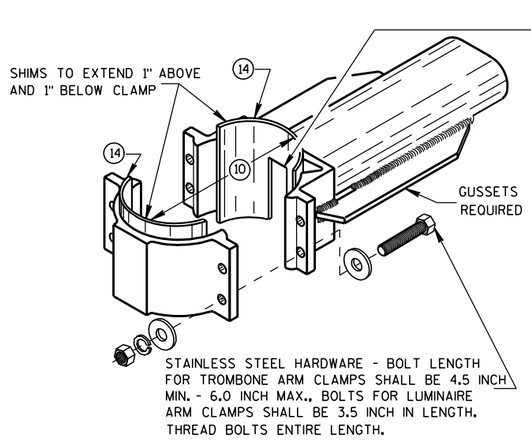
PLAN VIEW



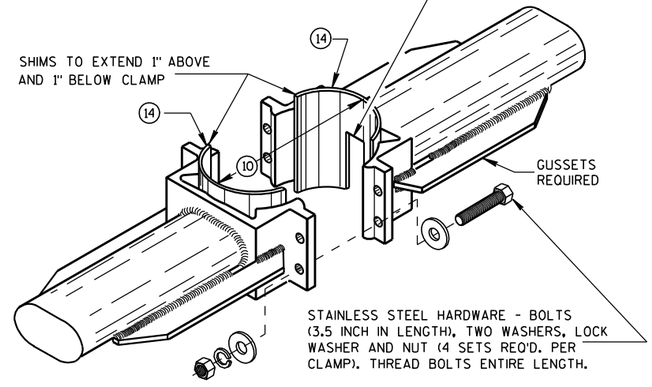
SECTION A-A

CIRCULAR CLAMP SHIM

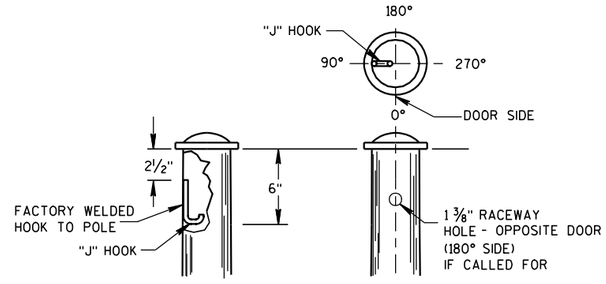
(2 TO A SET)



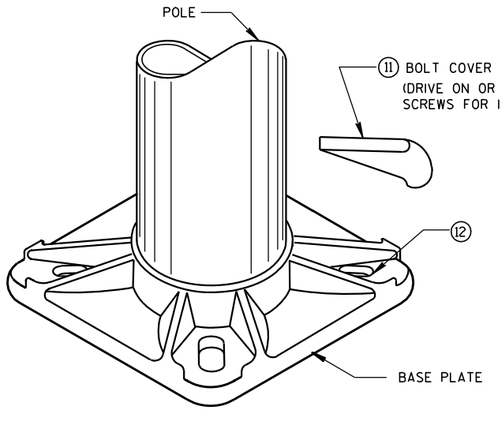
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



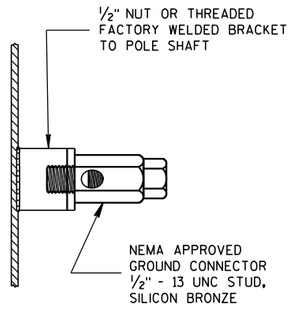
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

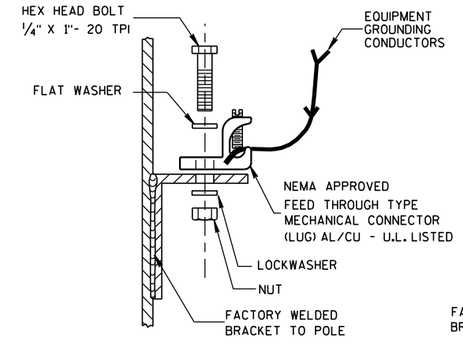


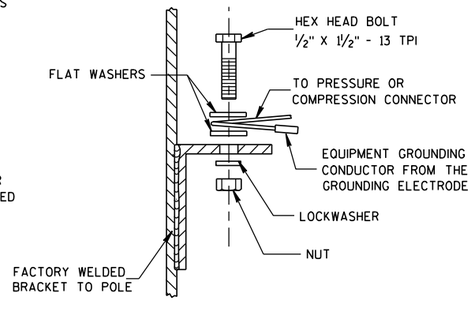
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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3/2/11 — DATE

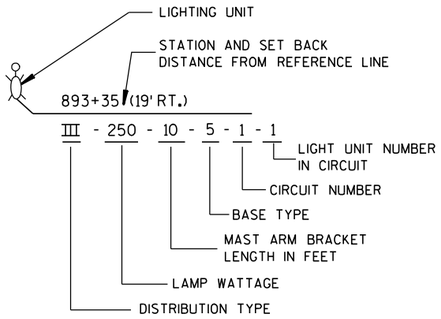
/S/ Thomas J. Goerlinger — STATE ELECTRICAL ENGI

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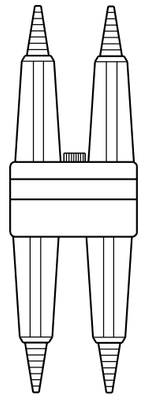
HWYS

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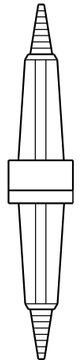
S.D.D. 9 E 1-11g



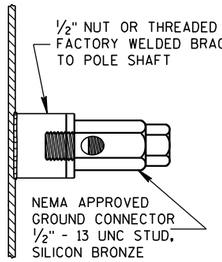
LIGHTING UNIT CODE
(TYPICAL)

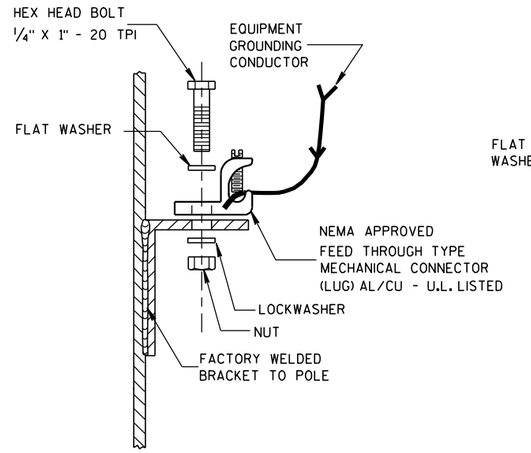


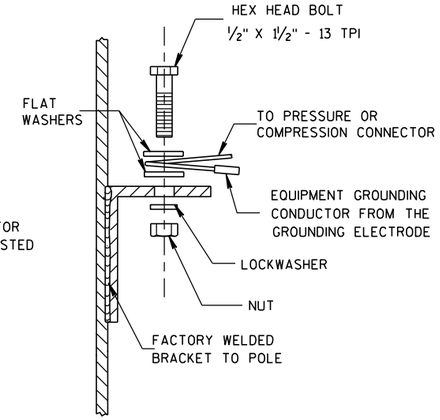
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



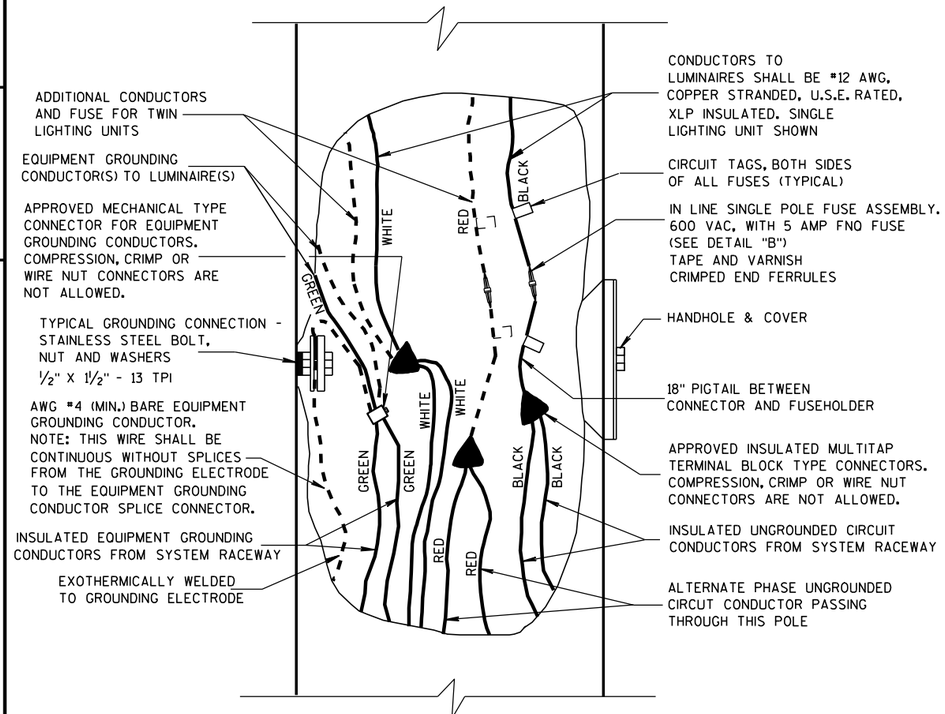
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



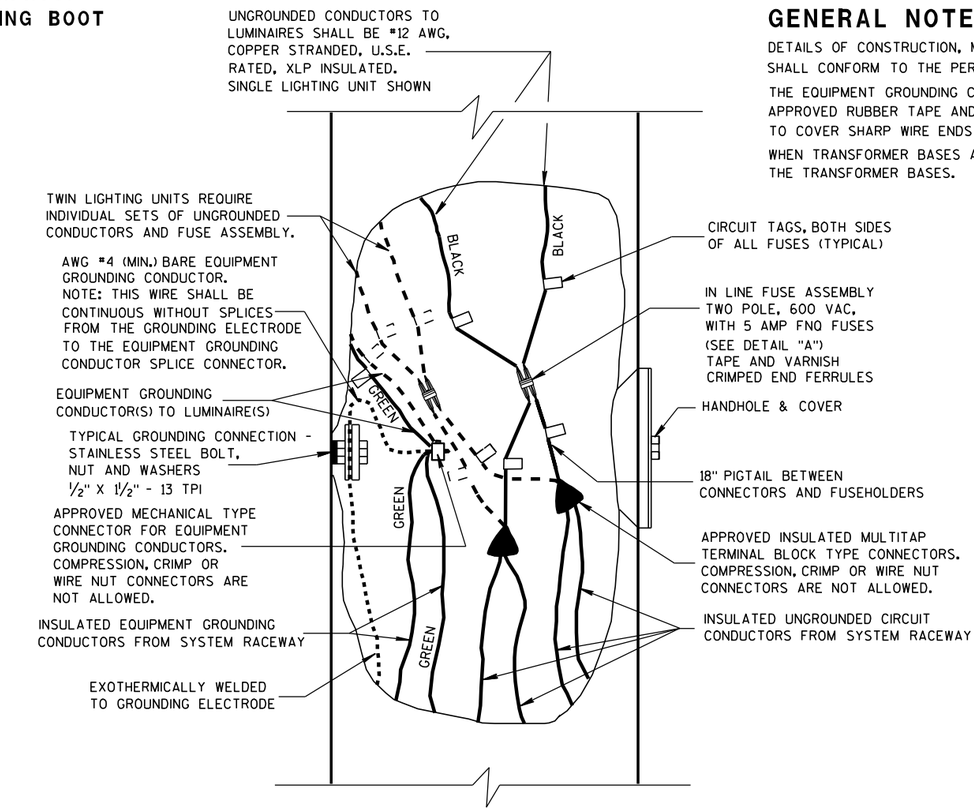




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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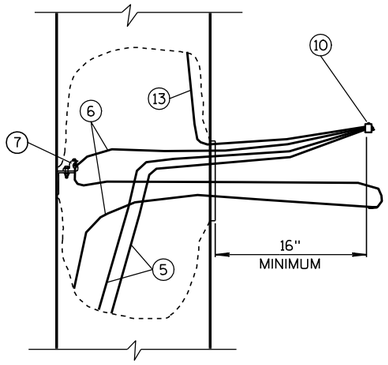
3/2/2011 — DATE

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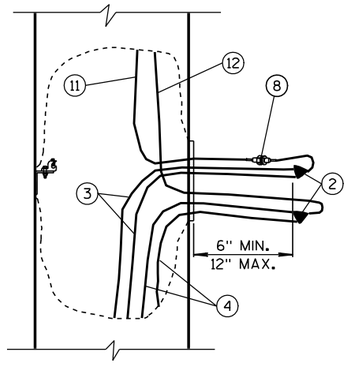
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HWYS

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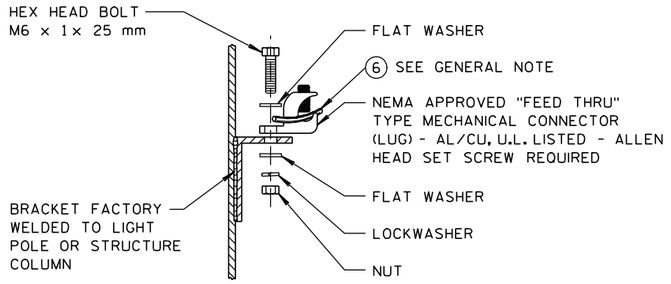


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



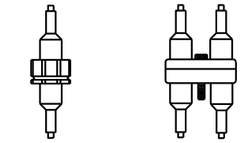
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



FUSE ASSEMBLIES

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

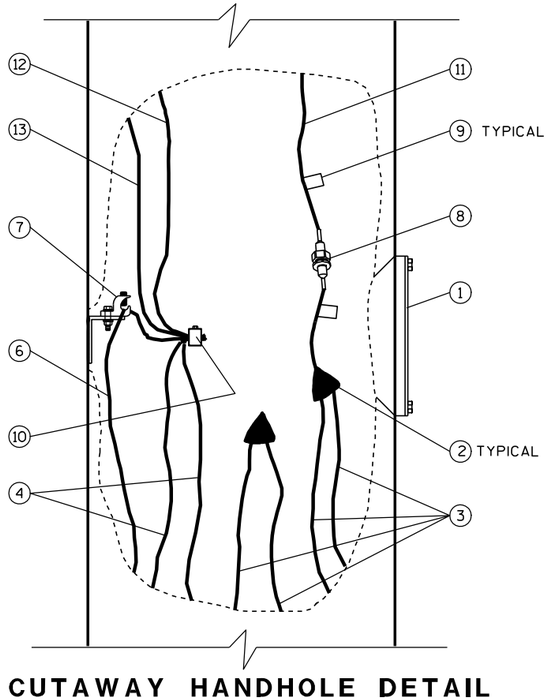
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

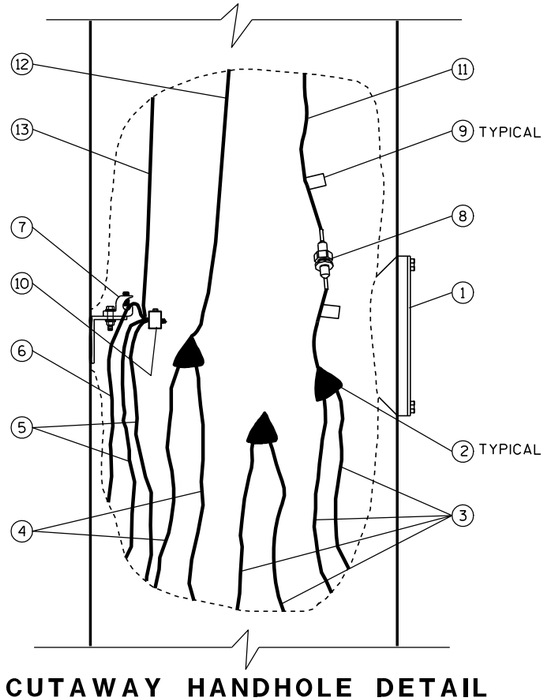
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

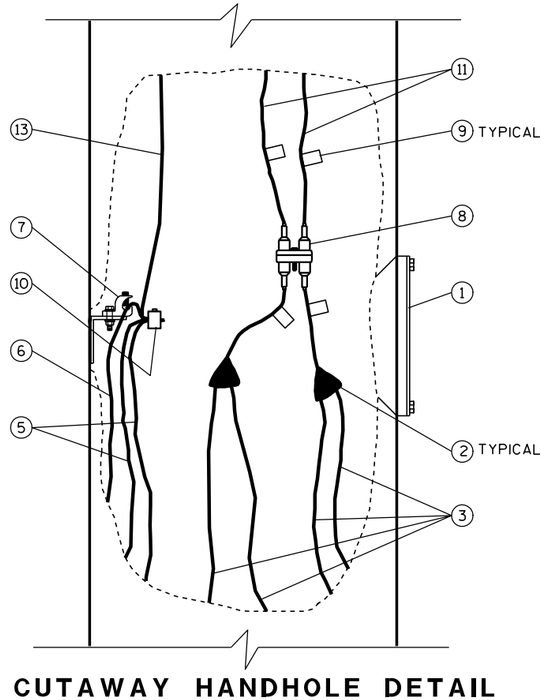
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



CUTAWAY HANDHOLE DETAIL
GROUNDED NEUTRAL SYSTEMS
1-φ



CUTAWAY HANDHOLE DETAIL
ISOLATED NEUTRAL SYSTEMS
1-φ SHOWN; 3-φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL
PHASE-TO-PHASE SYSTEMS
1-φ SHOWN; 3-φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
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APPROVED
10/25/2010 DATE
/S/ John Corbin STATE ELECTRICAL ENGI
211
HWYS
FHWA

6
S.D.D. 10 A 1-2

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

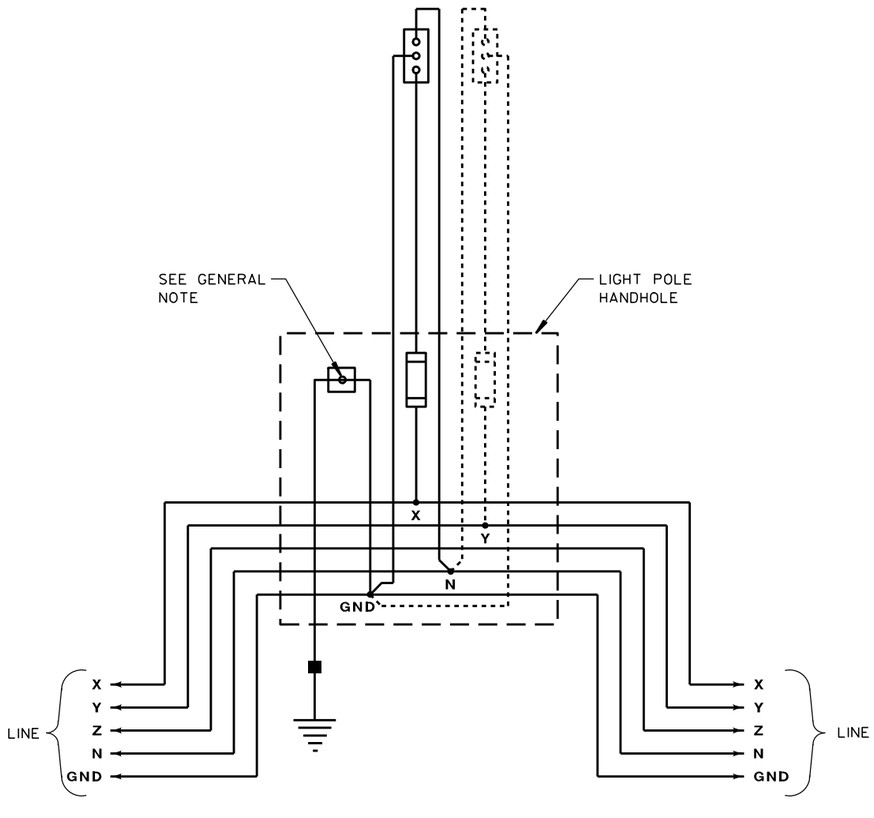
THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

HANDHOLE FUSE SCHEDULES

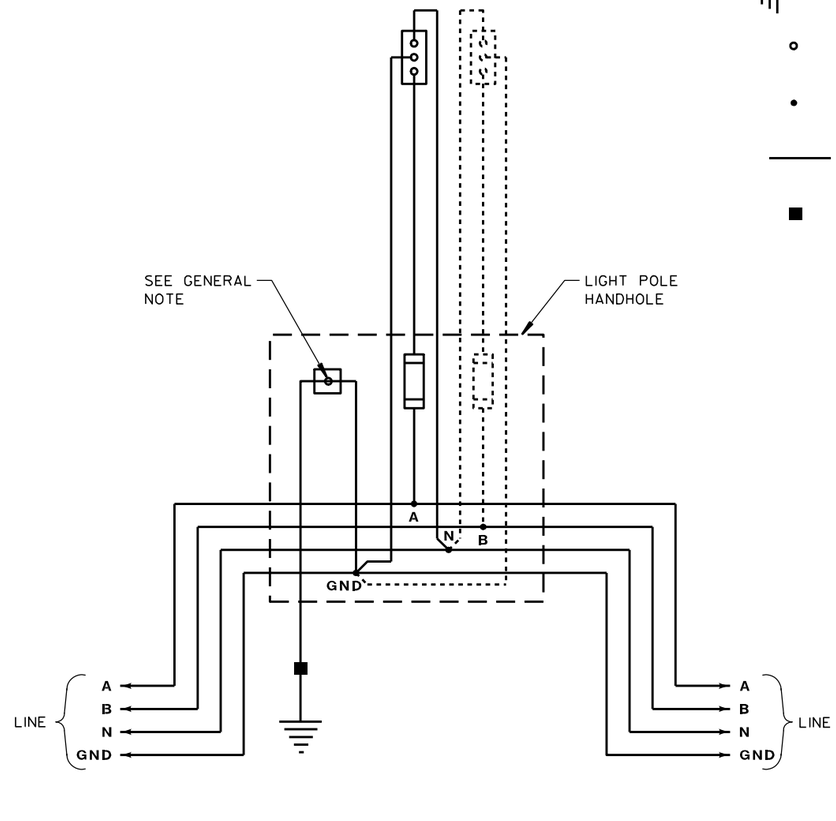
LINE VOLTAGE	BALLAST WATTAGE	
φ-GROUND	70-200 W	250-400 W
120 VAC	5 A	10 A
240 VAC	5 A	5 A
277 VAC	5 A	5 A
480 VAC	3 A	5 A

LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
φ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	TWO-POLE (2P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
3-φ 208Y/120VAC OR 480Y/277VAC 4 WIRE



TYPICAL WIRING DIAGRAM
ISOLATED NEUTRAL SYSTEM
1-φ 120/240VAC OR 240/480VAC 3 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
ISOLATED NEUTRAL SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010 DATE
/S/ John Corbin STATE ELECTRICAL ENGI
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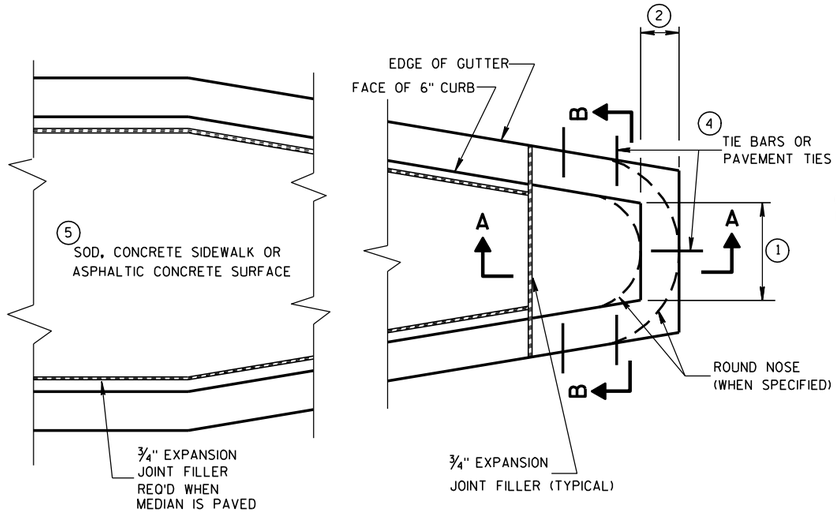
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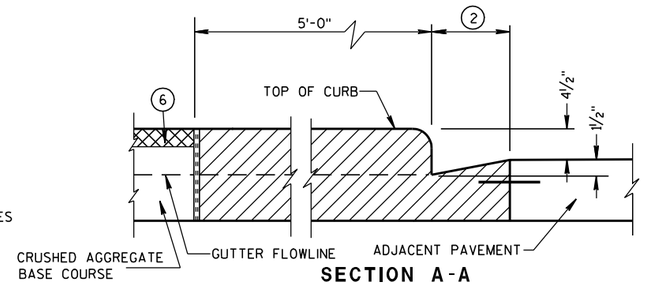
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S.D.D. 10 A 5-2

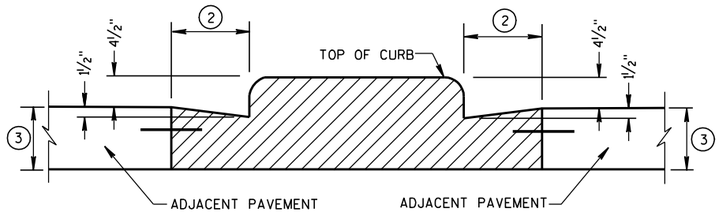
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S.D.D. 10 A 5-2





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

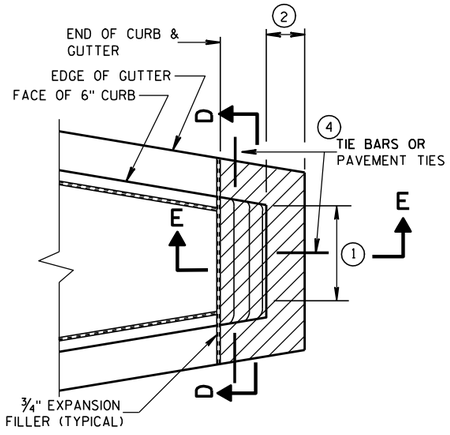
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

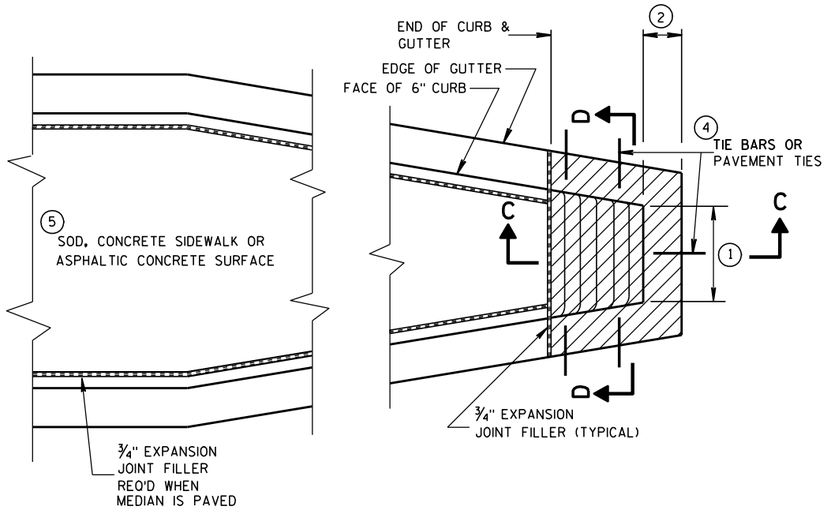
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

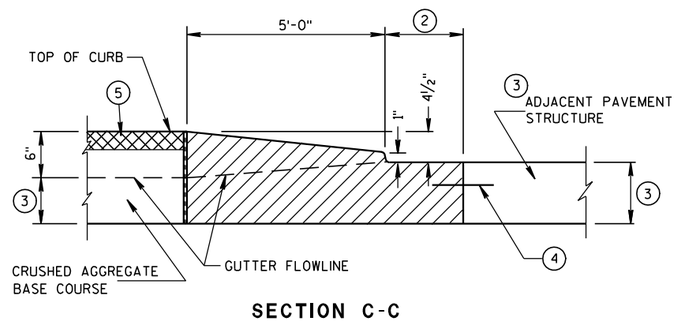
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

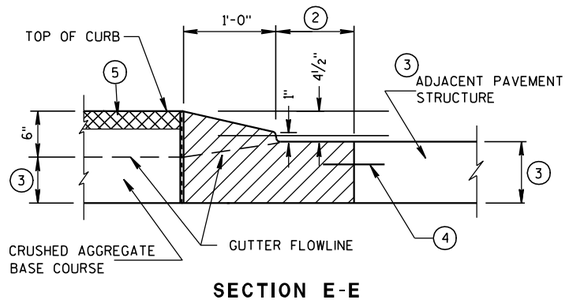




CONCRETE MEDIAN SLOPED NOSE TYPE 1

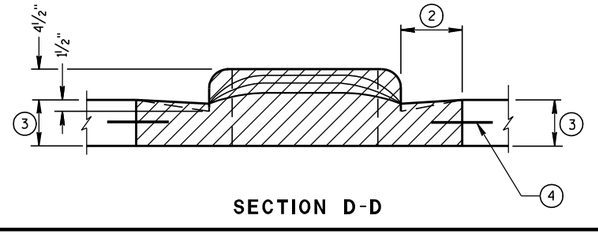


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

213

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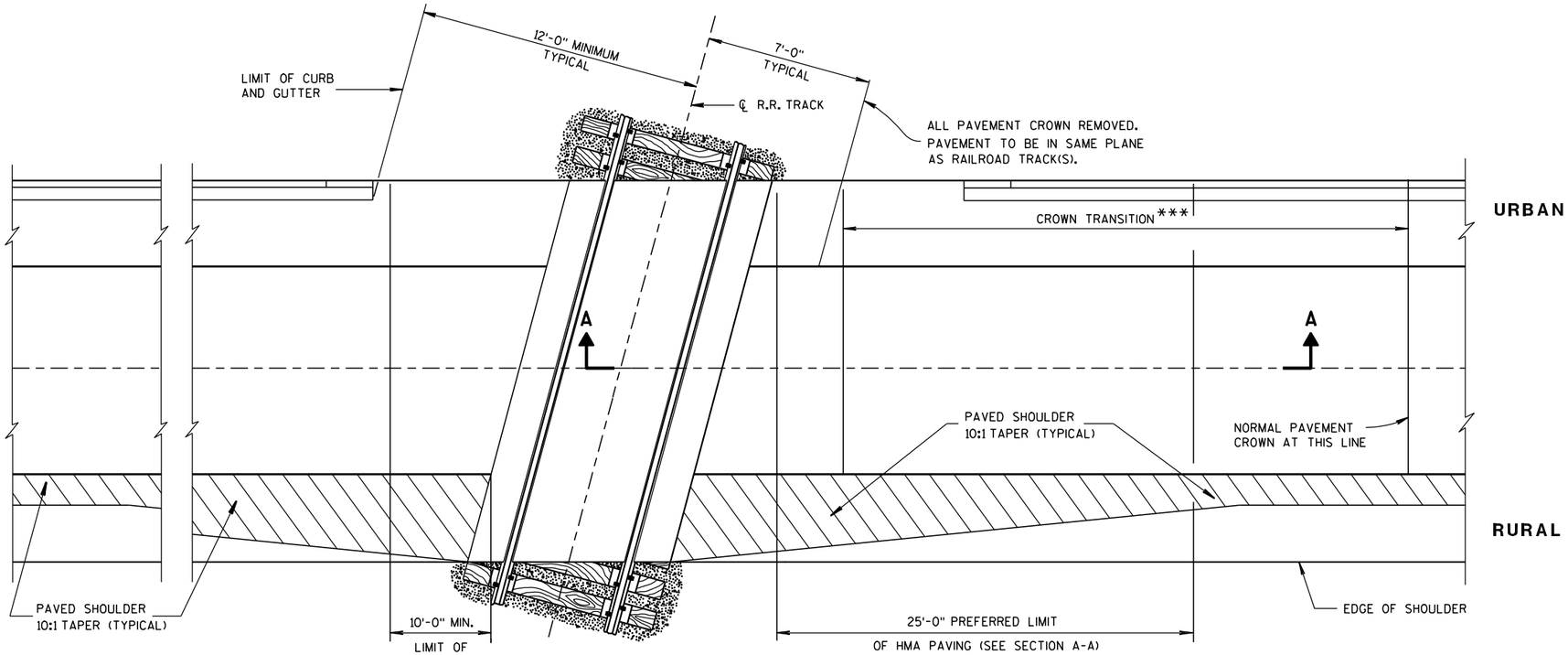
FHWA

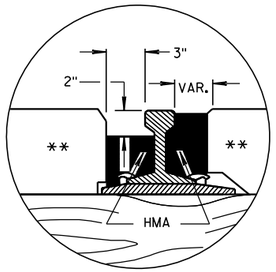
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S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

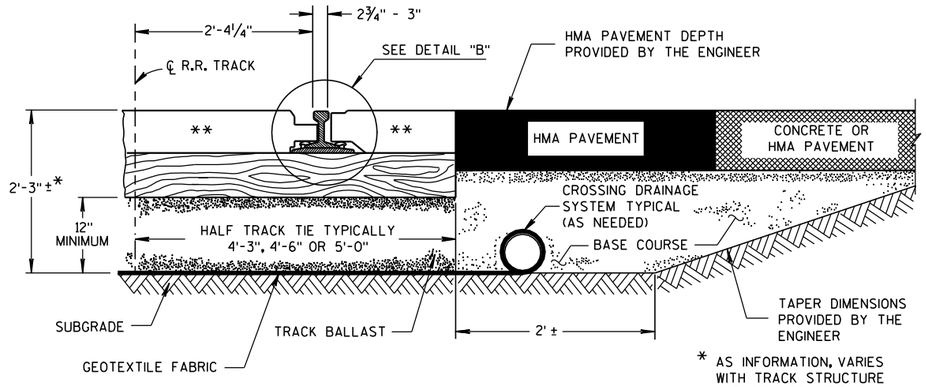
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

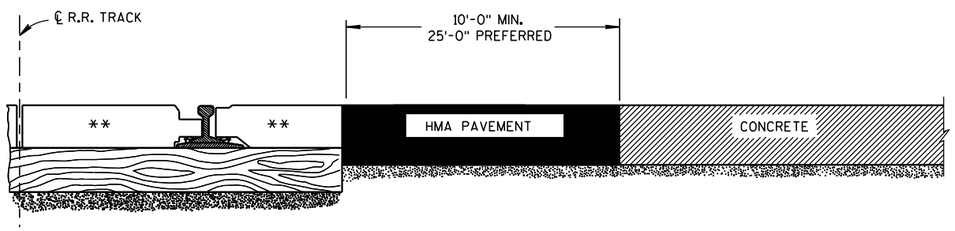
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

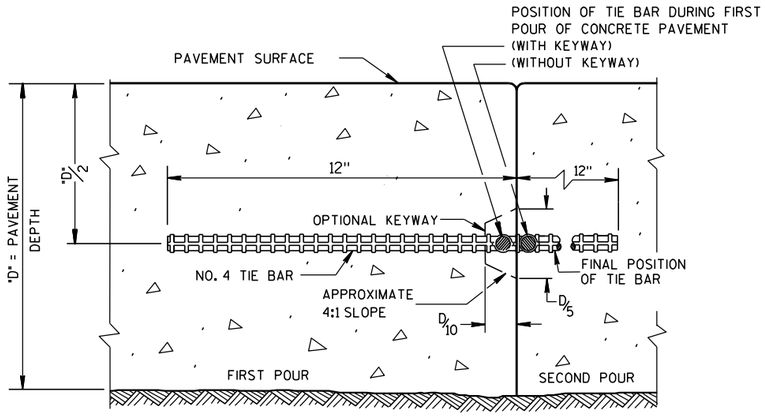
APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI SECTION
FHWA

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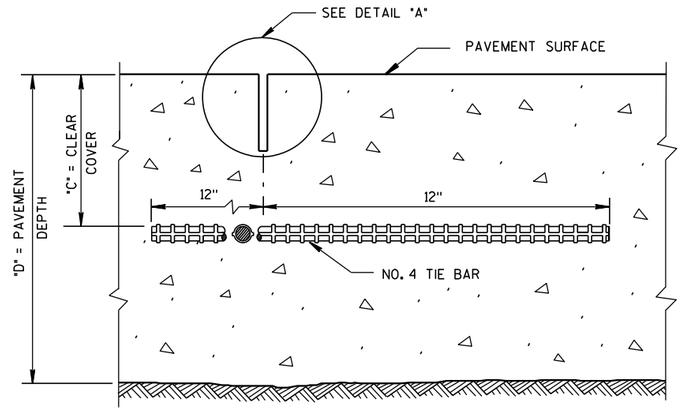
S.D.D. 13 B 1-10

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S.D.D. 13 B 1-10



CONSTRUCTION JOINT



SAWED JOINT

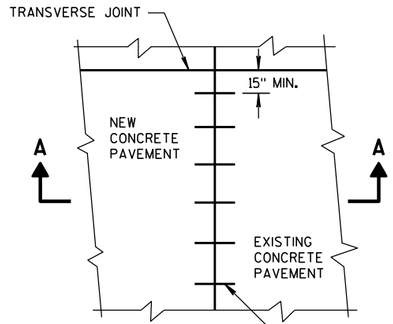
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

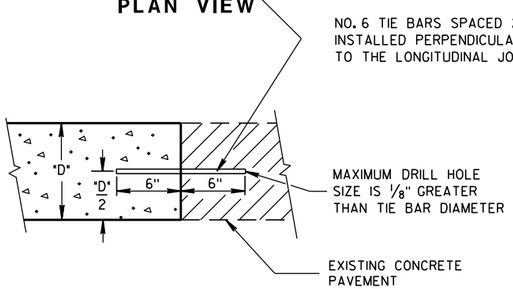
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

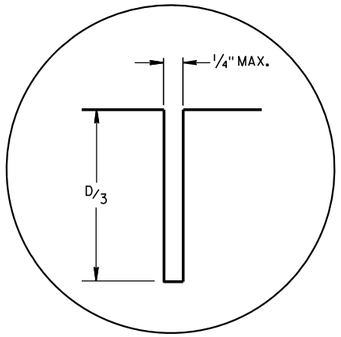
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

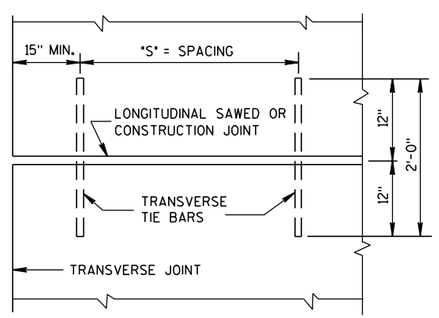


SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥ 30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10-5-2010 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DI 215 INEER

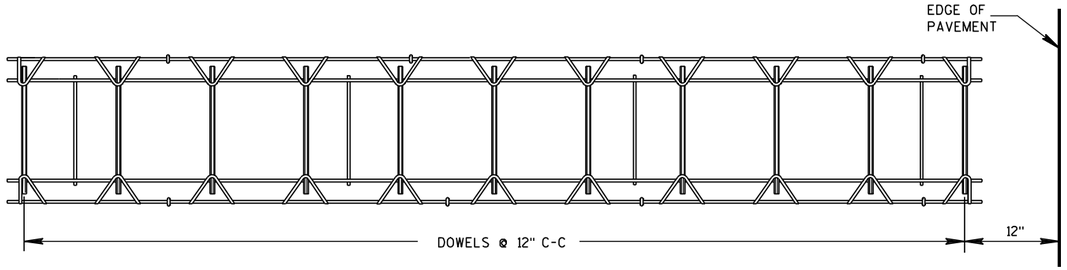
FHWA

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S.D.D. 13 C 1-15

6

S.D.D. 13 C 1-15

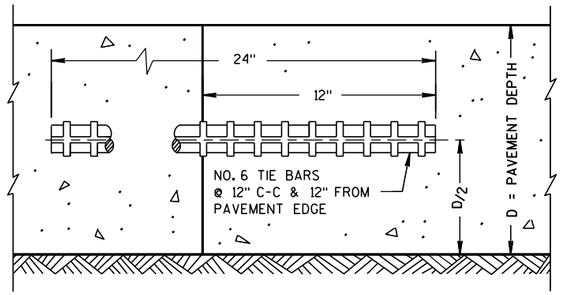


PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



TRANSVERSE CONSTRUCTION JOINT

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, CENTER THE DOWEL ASSEMBLY ACROSS THE LANES. LOCATE THE INNER AND OUTER MOST DOWEL BARS SO THAT THE CENTER OF THE BARS ARE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES FROM THE LONGITUDINAL JOINT AND THE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

THE CONTRACTOR MAY INSERT TIE BARS THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN PLACED.

① THE ENGINEER MAY APPROVE THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. THE CONTRACTOR MAY USE MECHANICAL DOWEL BAR INSERTERS INSTEAD OF DOWEL ASSEMBLIES.

② ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

③ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

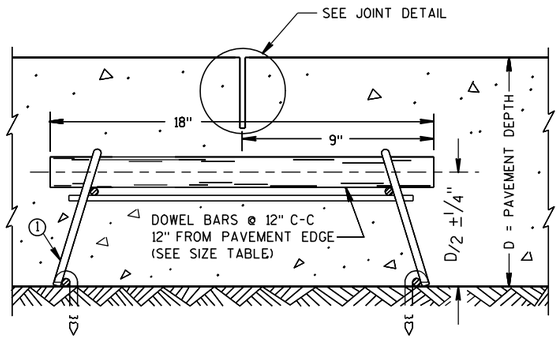
④ SPACE DOWEL BARS INSTALLED BY DRILLING 1'-3" ON CENTER. CENTER THE GROUPING OF DOWEL BARS INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

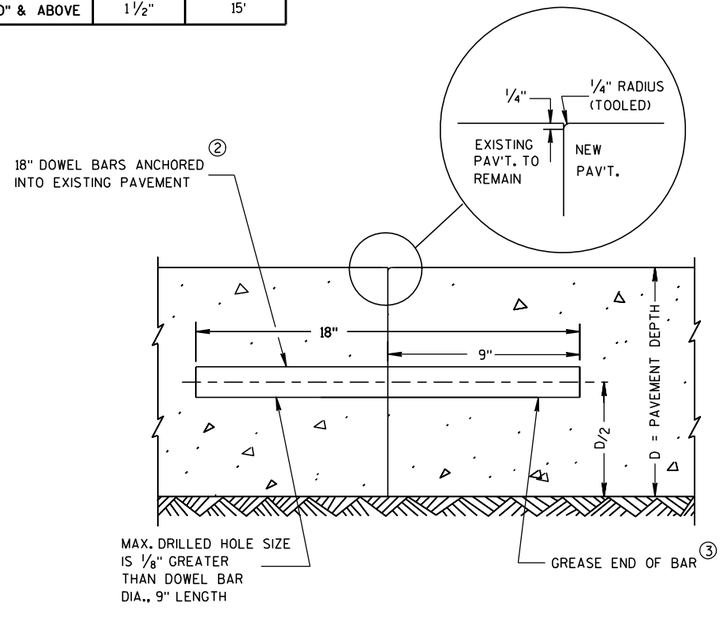
⑤ SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	12'
7", 7 1/2"	1"	14'
8", 8 1/2"	1 1/4"	15'
9", 9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

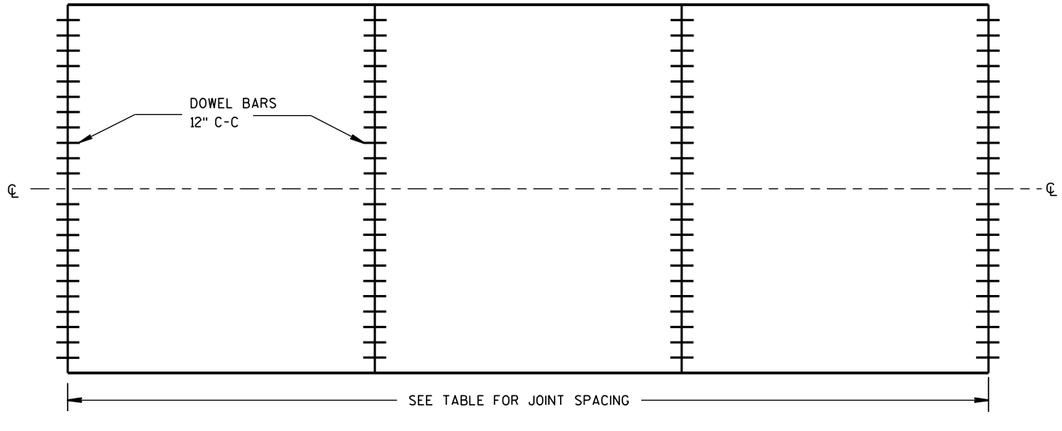


DOWELED CONTRACTION JOINT

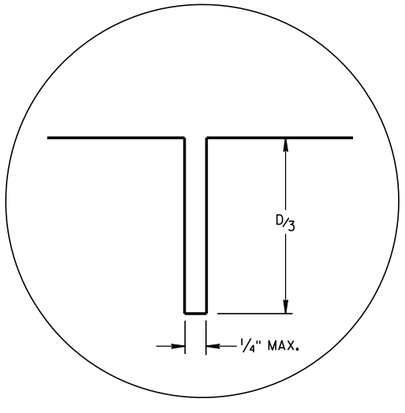


TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ DOWEL BAR DETAIL



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

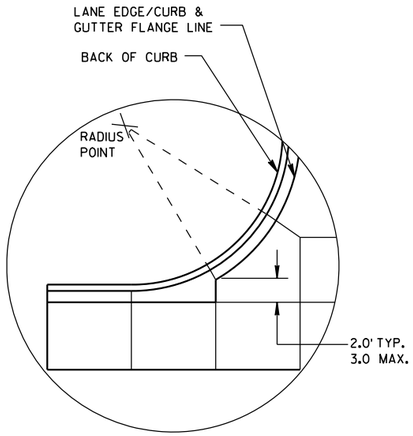
APPROVED
12/11/2009 DATE
/S/ Deb Bischoff PAVEMENT POLICY & DE NEER
FHWA

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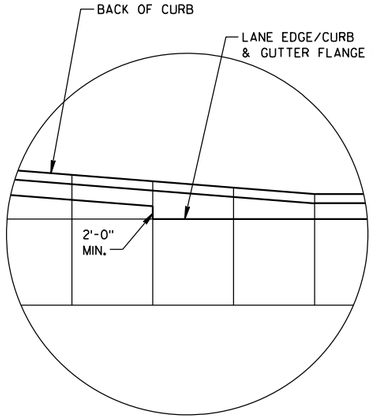
S.D.D. 13 C 13-7

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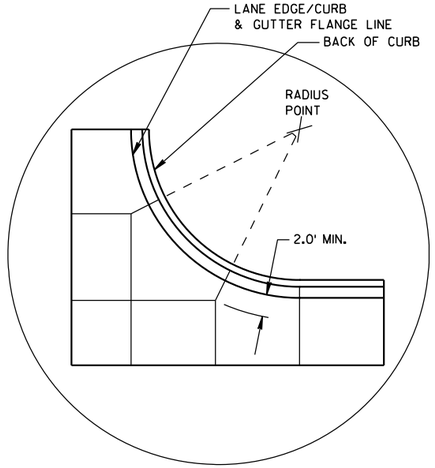
S.D.D. 13 C 13-7



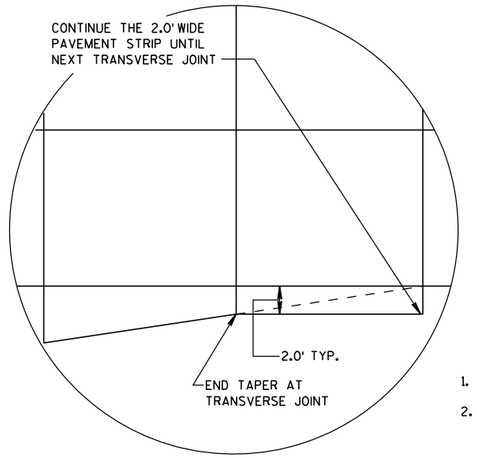
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

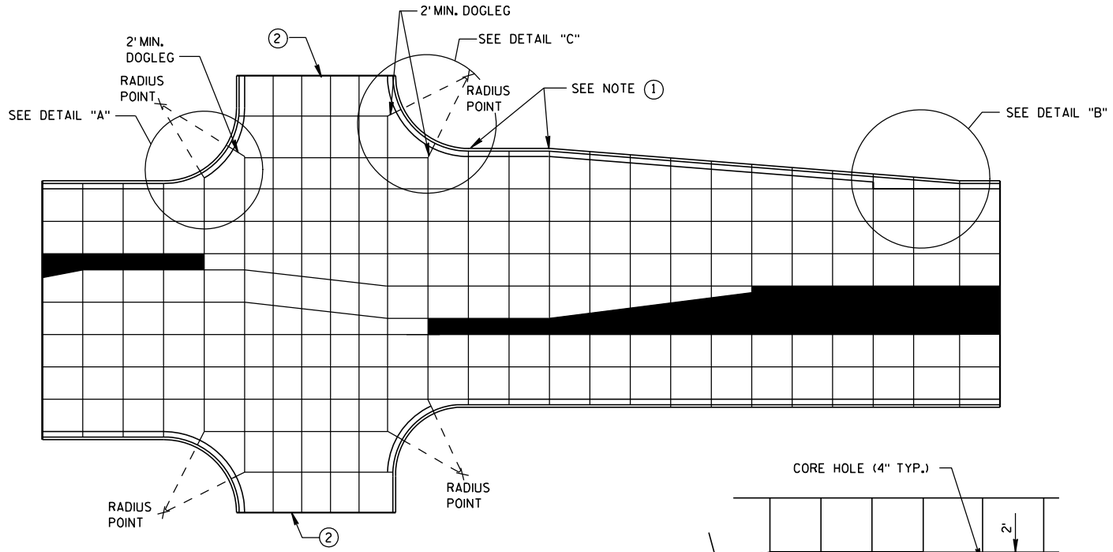
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

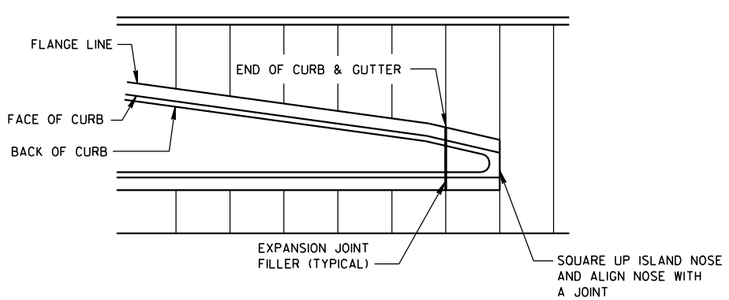
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



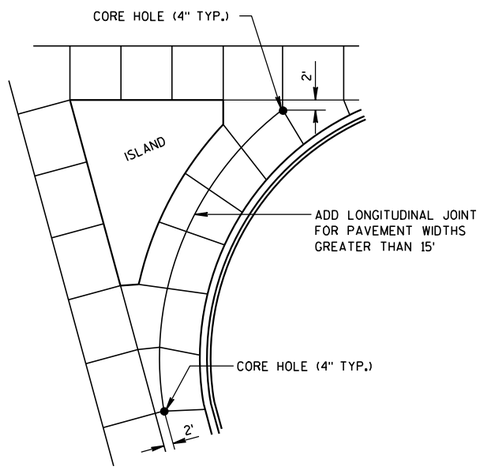
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

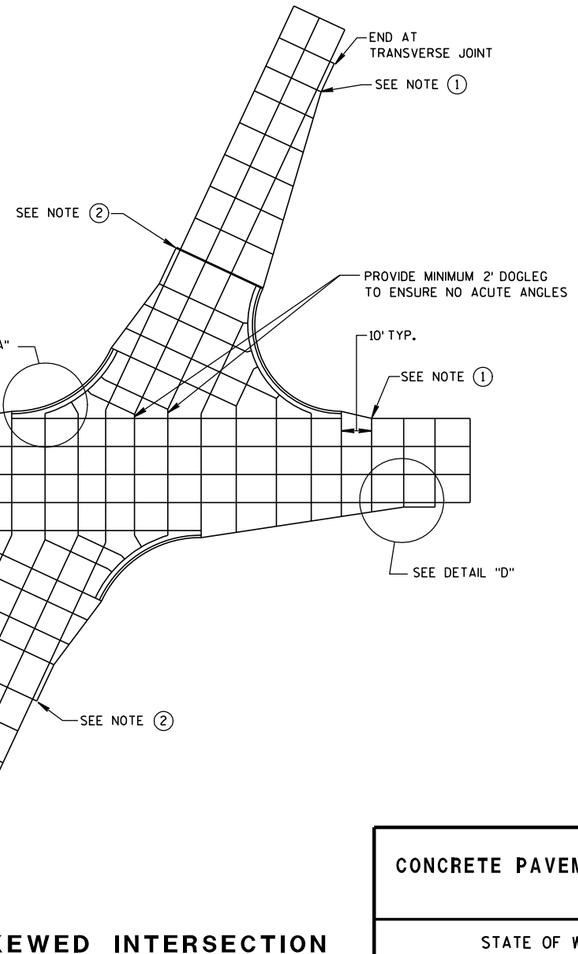
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

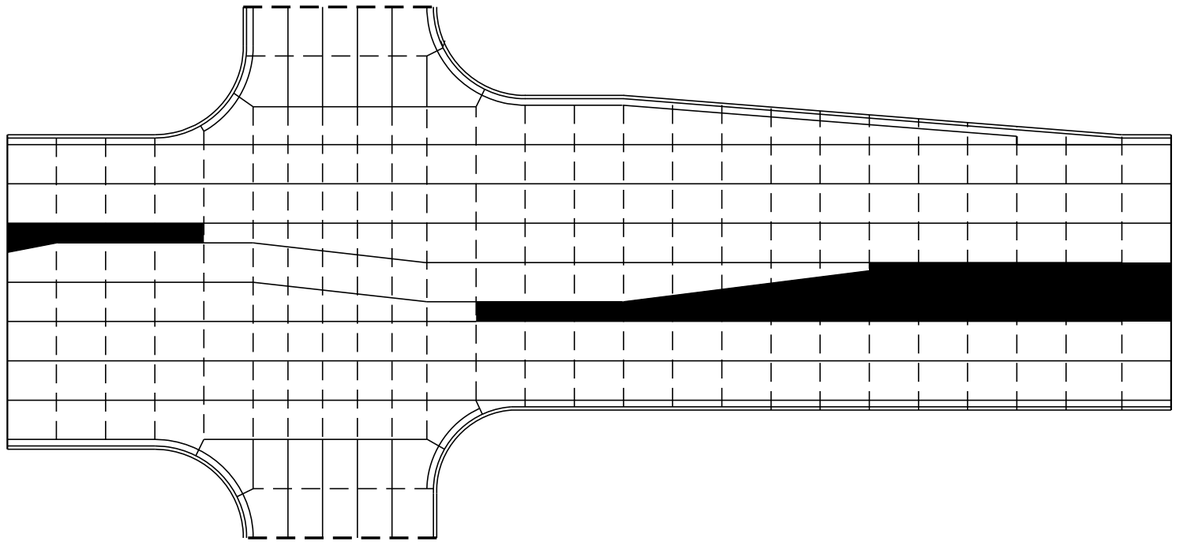
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S.D.D. 13 C 18-1a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

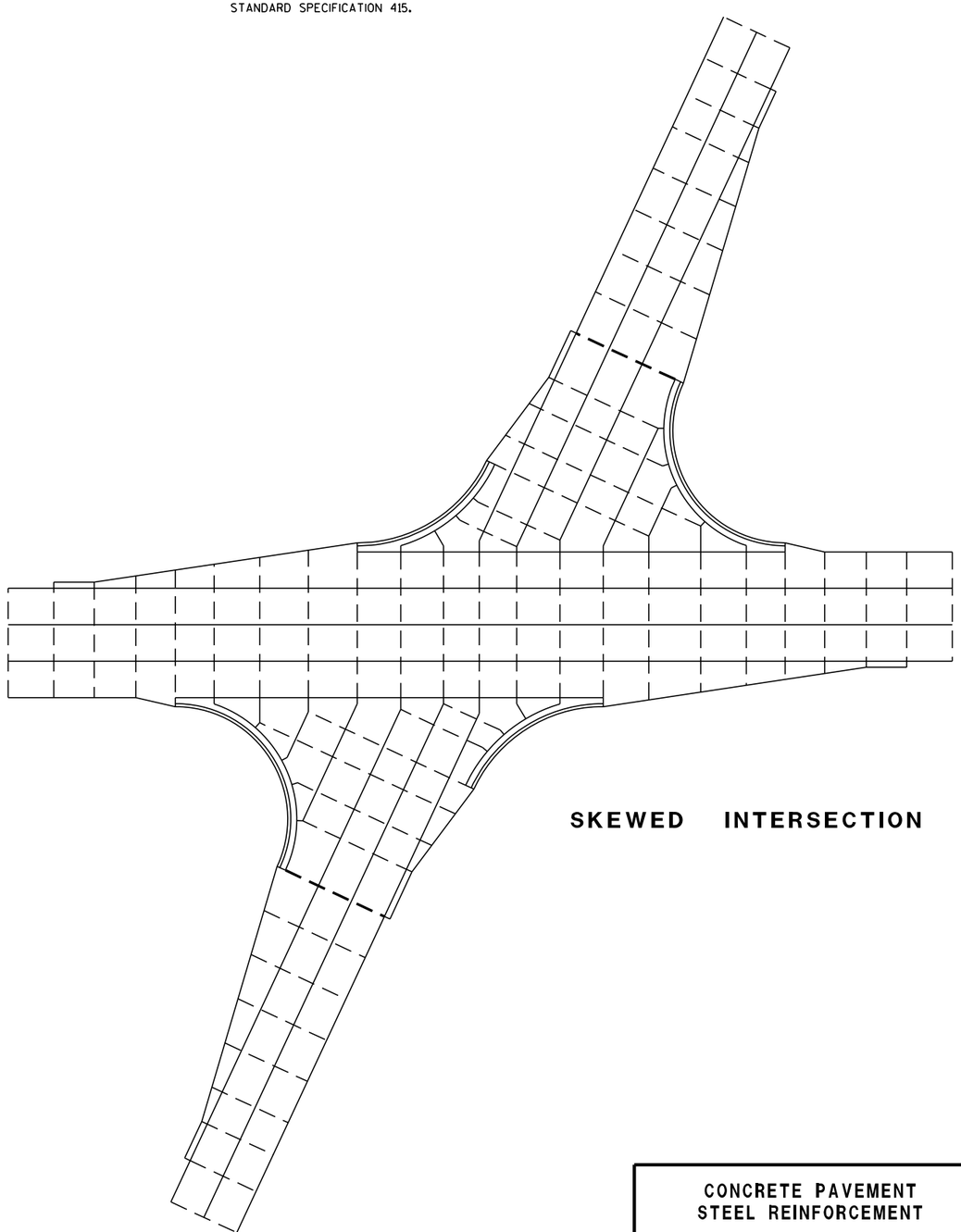
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

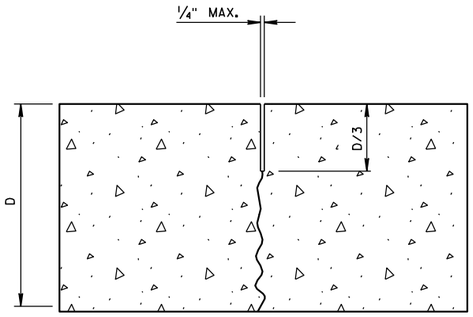
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S.D.D. 13 C 18-1b

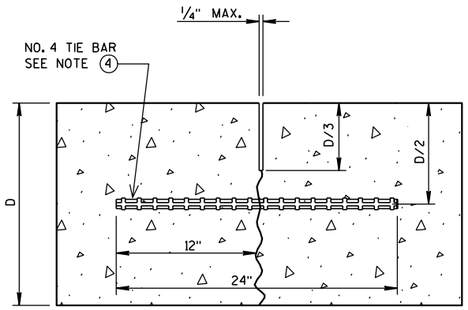
S.D.D. 13 C 18-1b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



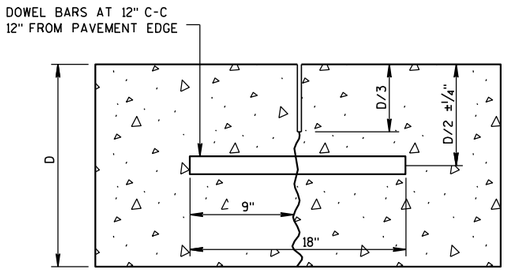
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

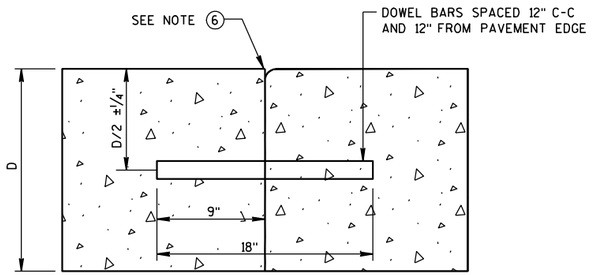
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



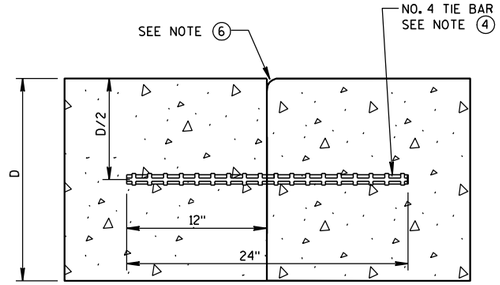
DOWELED-TRANSVERSE

CONTRACTION JOINTS

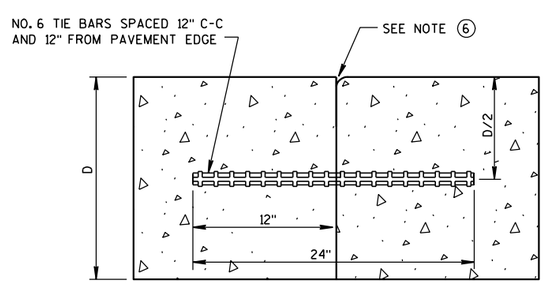
SEE NOTE (2)



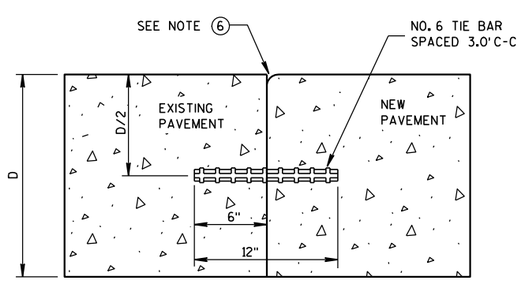
DOWELED TRANSVERSE



TIED LONGITUDINAL



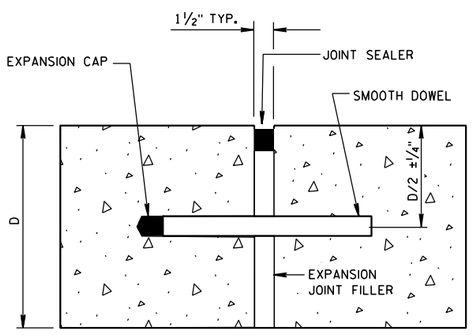
TIED TRANSVERSE
SEE NOTE (3)



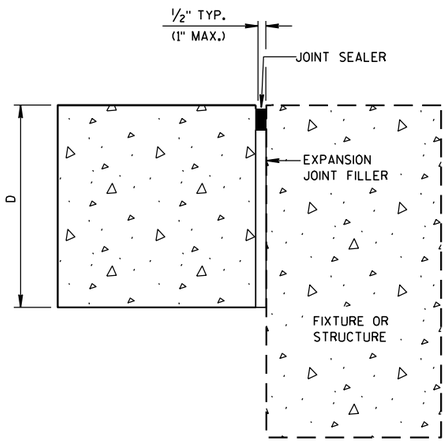
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

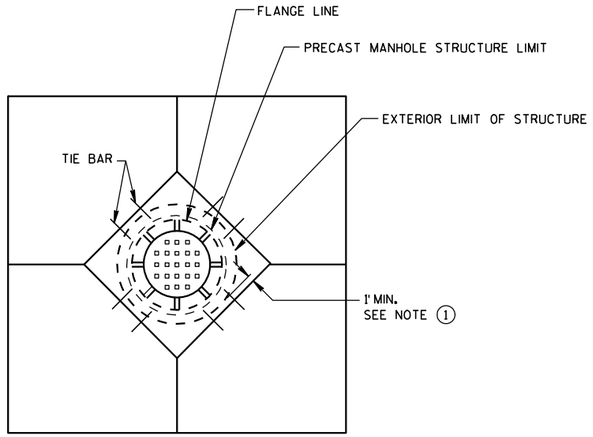
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

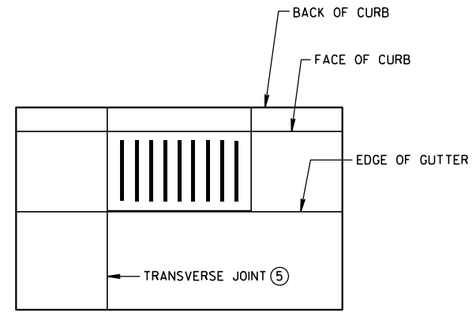
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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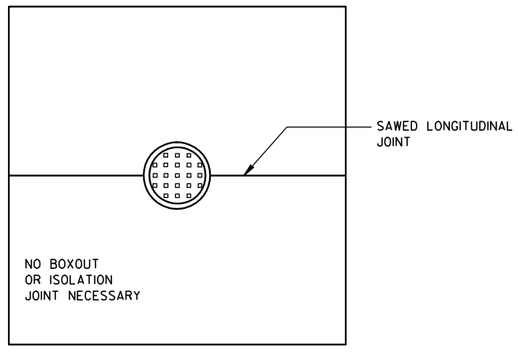
S.D.D. 13 C 18-1c



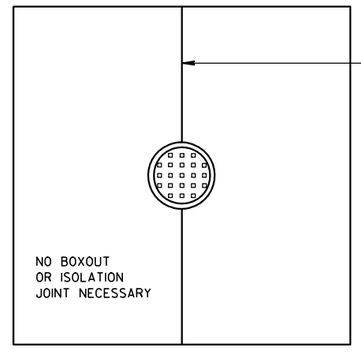
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



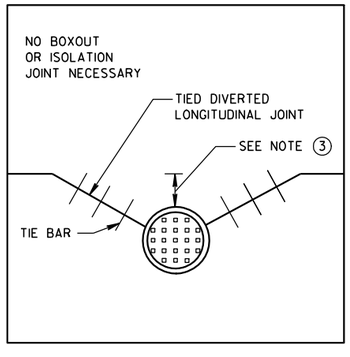
INLET WITH TRANSVERSE JOINT



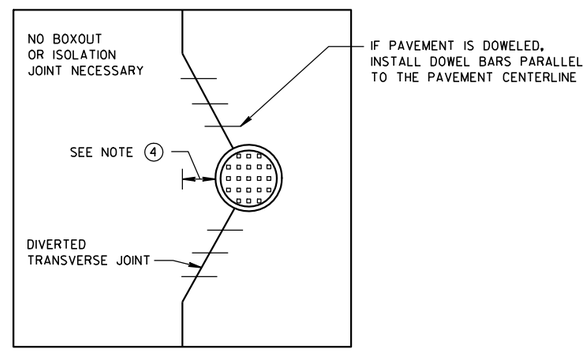
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS GREATER THAN 2 FEET, DO NOT DIVERT JOINT AND SAW LONGITUDINAL JOINT AS NORMAL. IF DISTANCE IS 2 FEET OR LESS, DIVERT LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE.
4. IF DISTANCE FROM THE EDGE OF MANHOLE TO THE NEAREST TRANSVERSE JOINT IS GREATER THAN 4 FEET, REDIRECT JOINT TO INTERSECT MANHOLE. IF DISTANCE IS 4 FEET OR LESS, PLACE REBAR REINFORCEMENT AROUND MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-5-2010 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & D 220 ENGINEER
FHWA

6
S.D.D. 13 C 18-1d

LEGEND

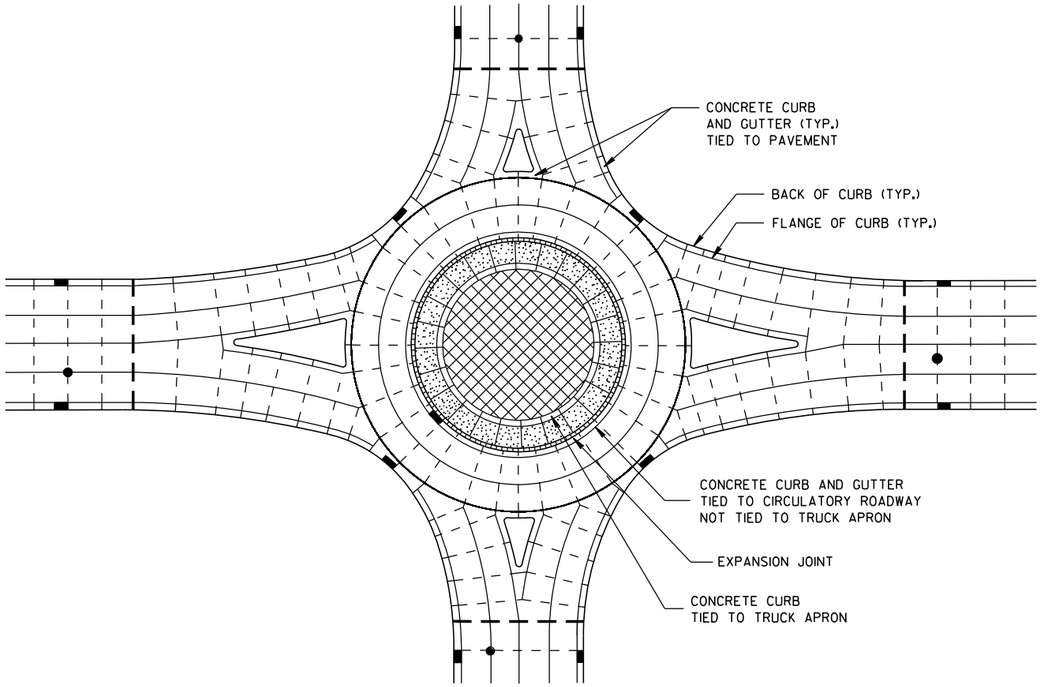
- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

GENERAL NOTES

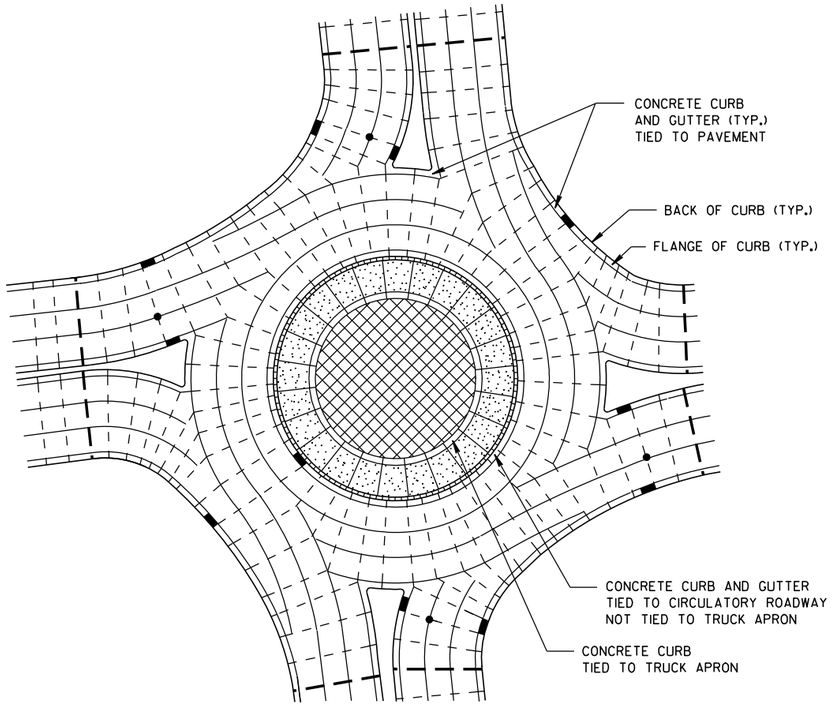
MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18-1a.

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10-5-2010 DATE

/S/ Deb Bischoff PAVEMENT POLICY & DI 221 INEER

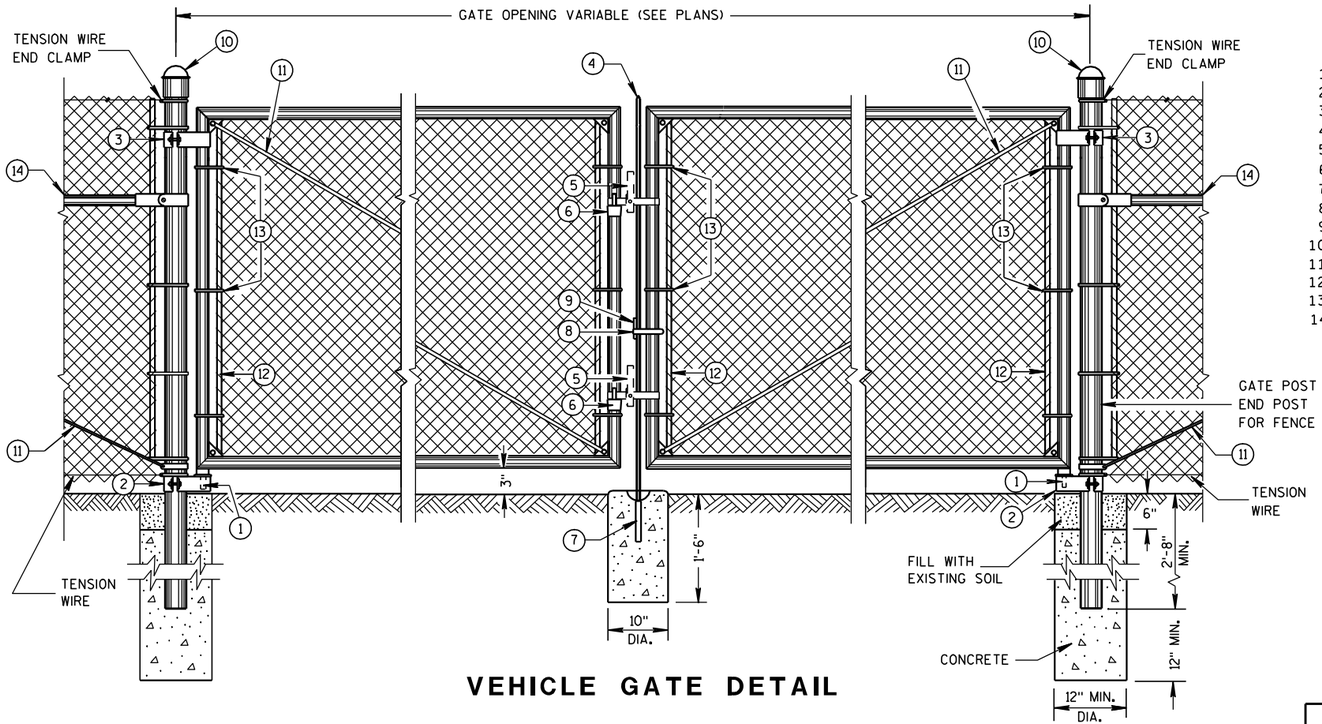
FHWA

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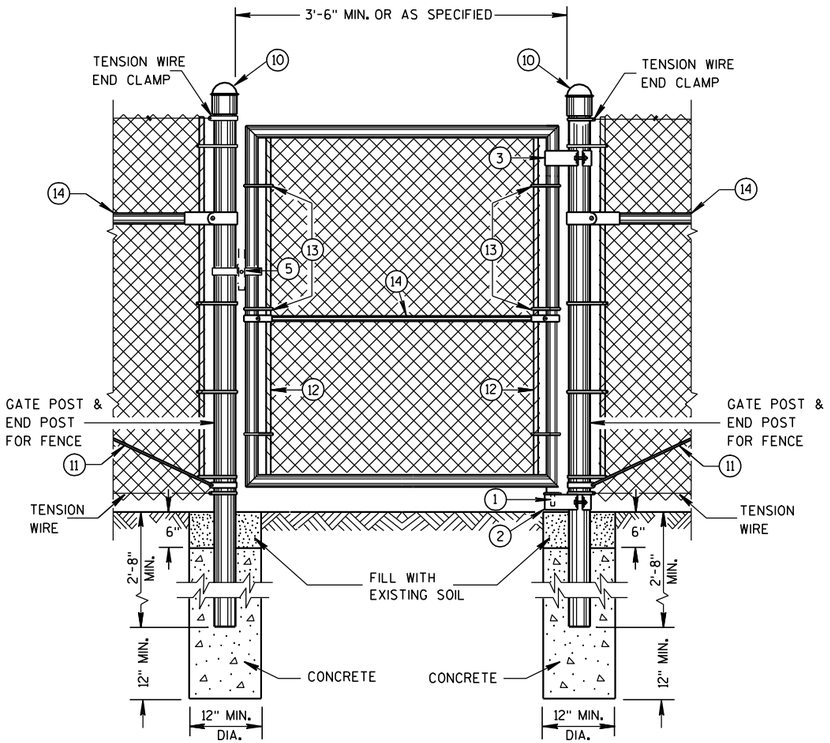
S.D.D. 13 C 18-1e

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S.D.D. 13 C 18-1e



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

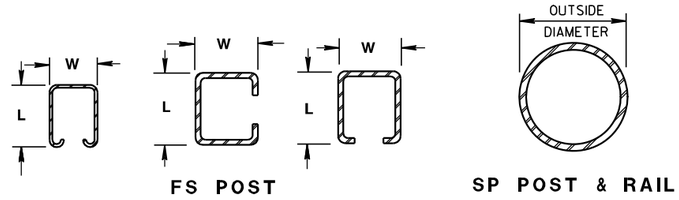
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

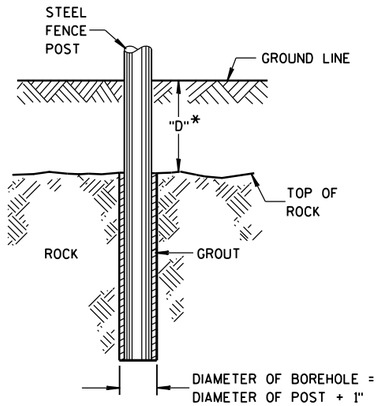
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

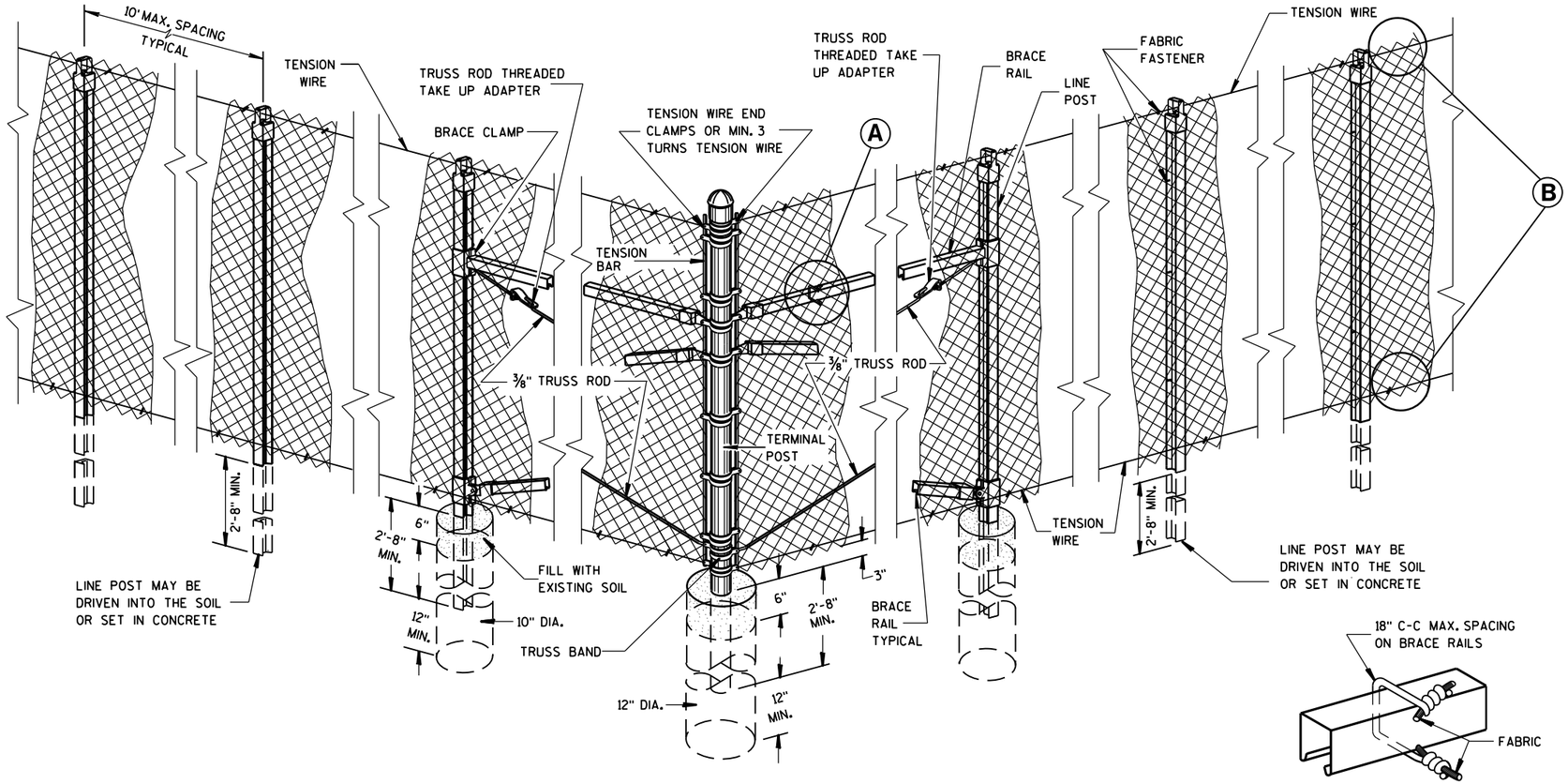
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S.D.D. 15 B 3-12a
S.D.D. 15 B 3-12a

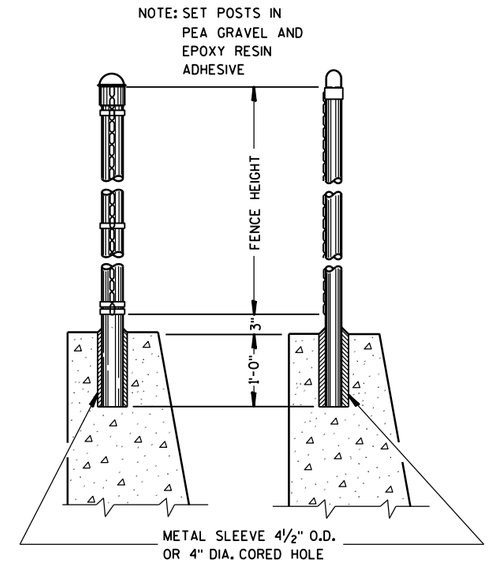


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST

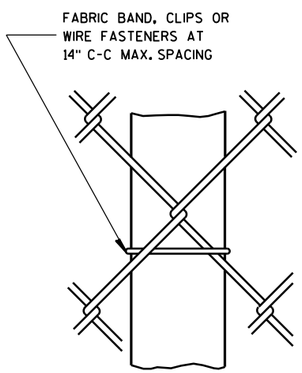


END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



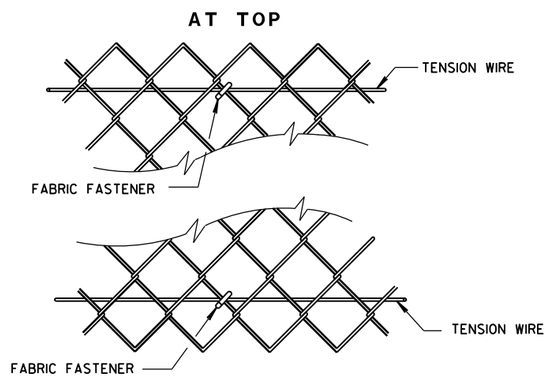
END POST & CORNER POST LINE POST

DETAILS OF FENCE ON WALL



LINE POST

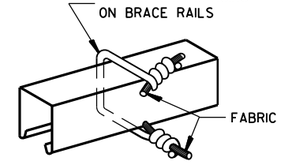
FABRIC FASTENER



AT BOTTOM

SELVAGES

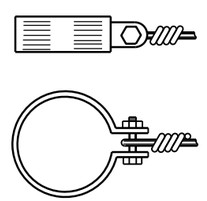
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BRACE RAIL

FABRIC FASTENER

Ⓐ



TENSION WIRE END CLAMP

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

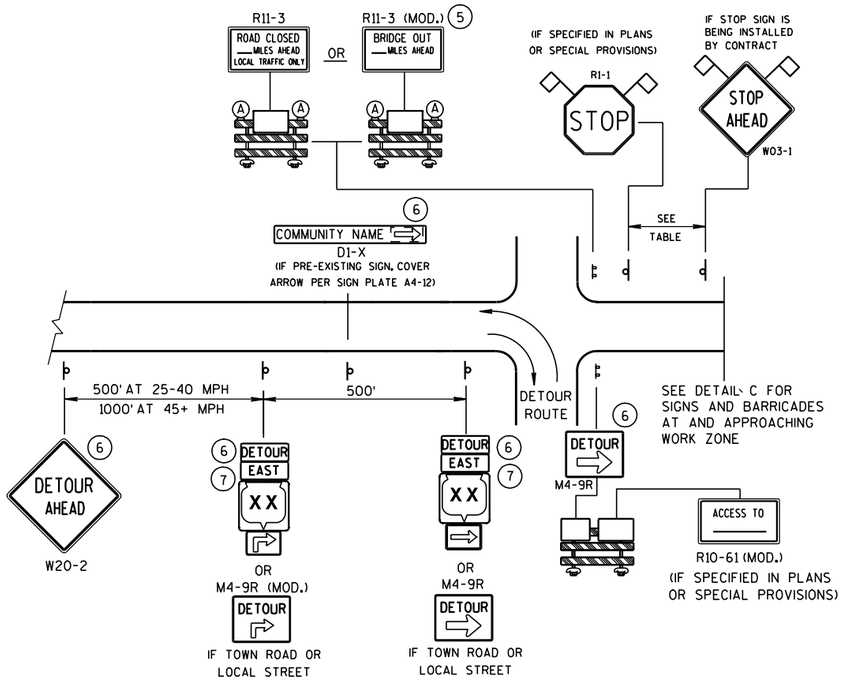
APPROVED
3/19/2010
DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 15 B 3-12b

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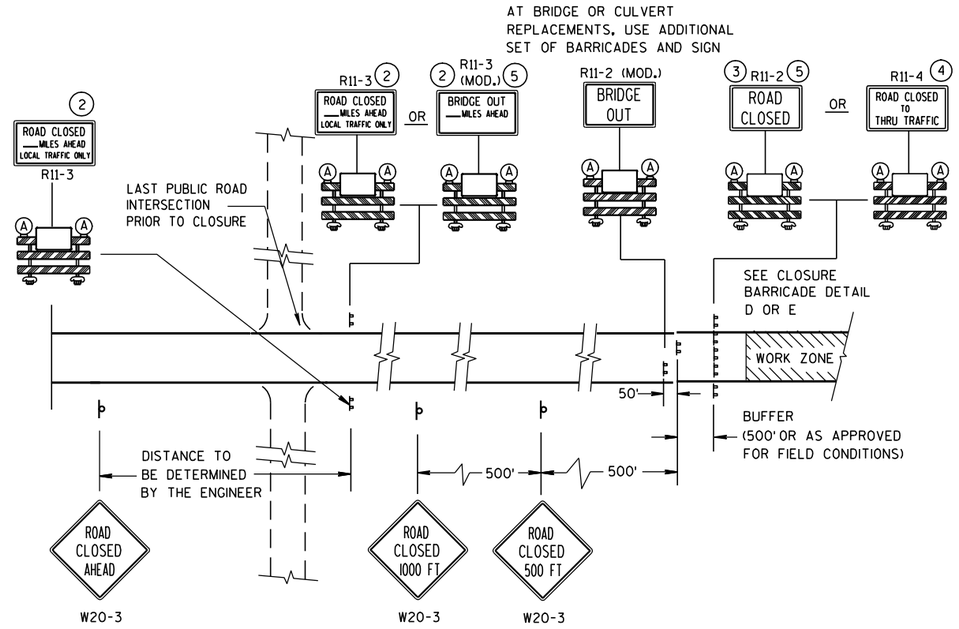
S.D.D. 15 B 3-12b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

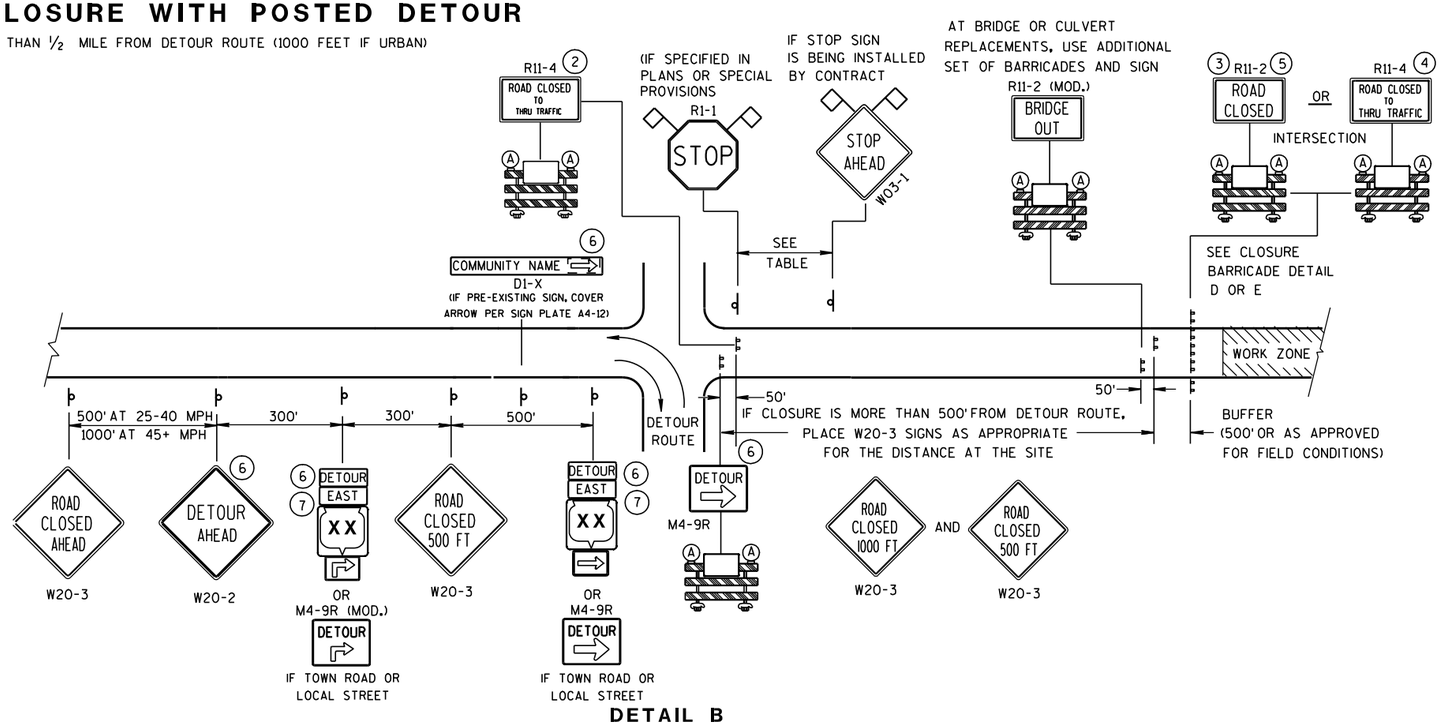


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

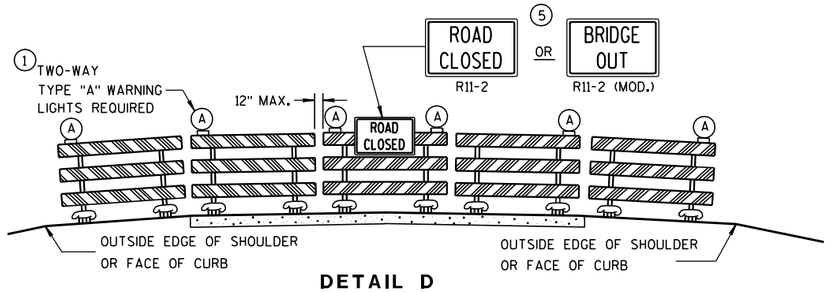
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

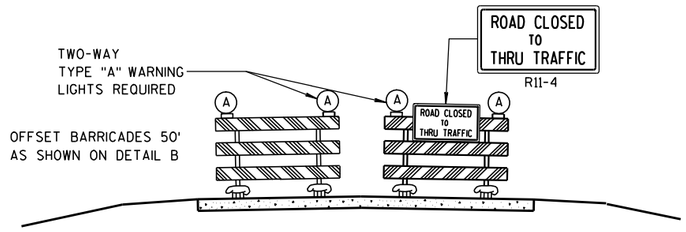
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/16/03 — DATE

/S/ Thomas N. N[illegible] — CHIEF SIGNS AND MARKING ENGINEER

FHWA

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S.D.D. 15 C 2-4b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

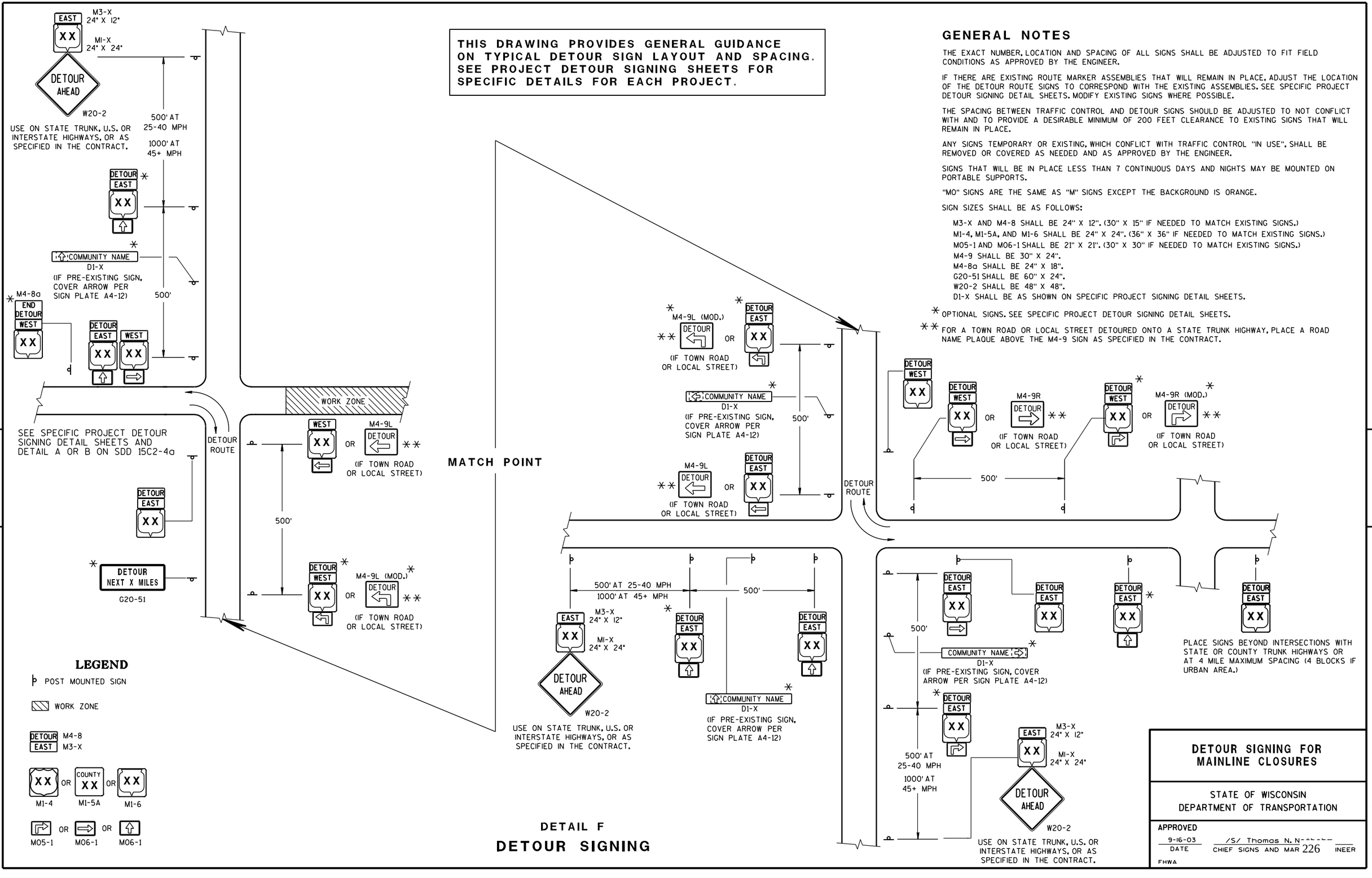
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
M4-9 SHALL BE 30" X 24".
M4-8a SHALL BE 24" X 18".
G20-51 SHALL BE 60" X 24".
W20-2 SHALL BE 48" X 48".
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

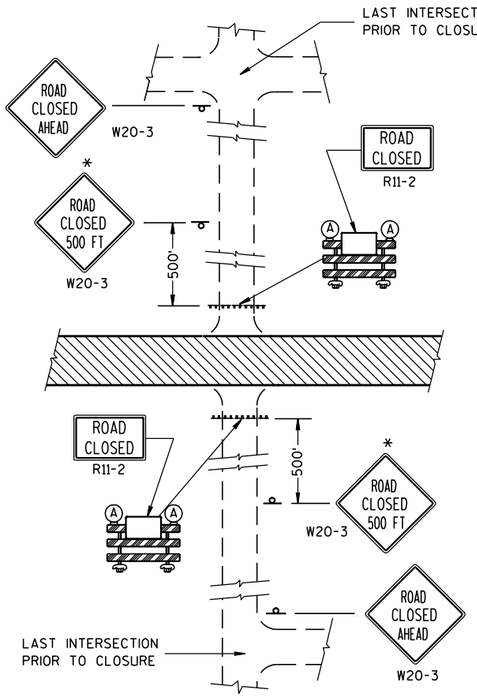
APPROVED

9-16-03 DATE

/S/ Thomas N. Nottbusch CHIEF SIGNS AND MAR INEER

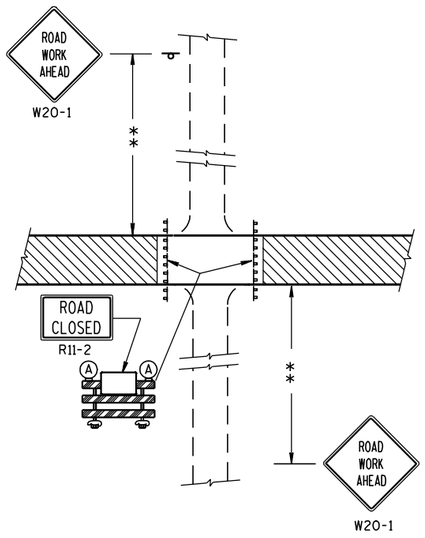
FHWA

6 S.D.D. 15 C 2-4c



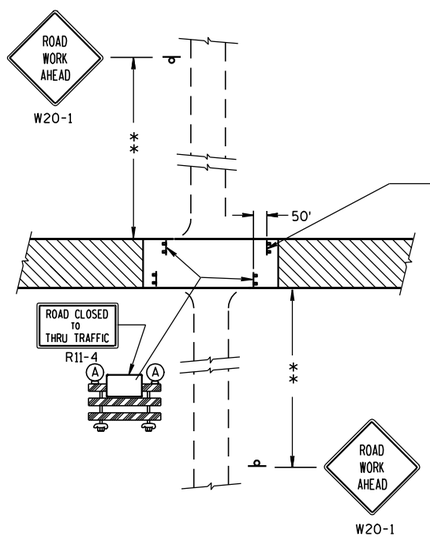
DETAIL 1

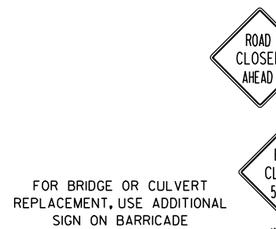
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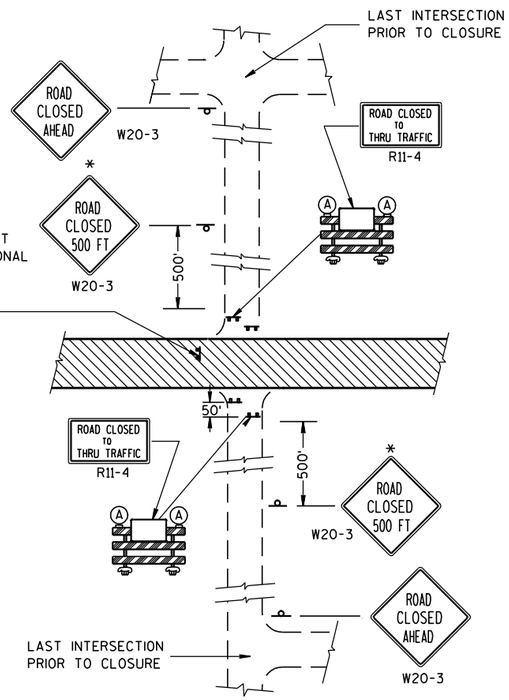
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

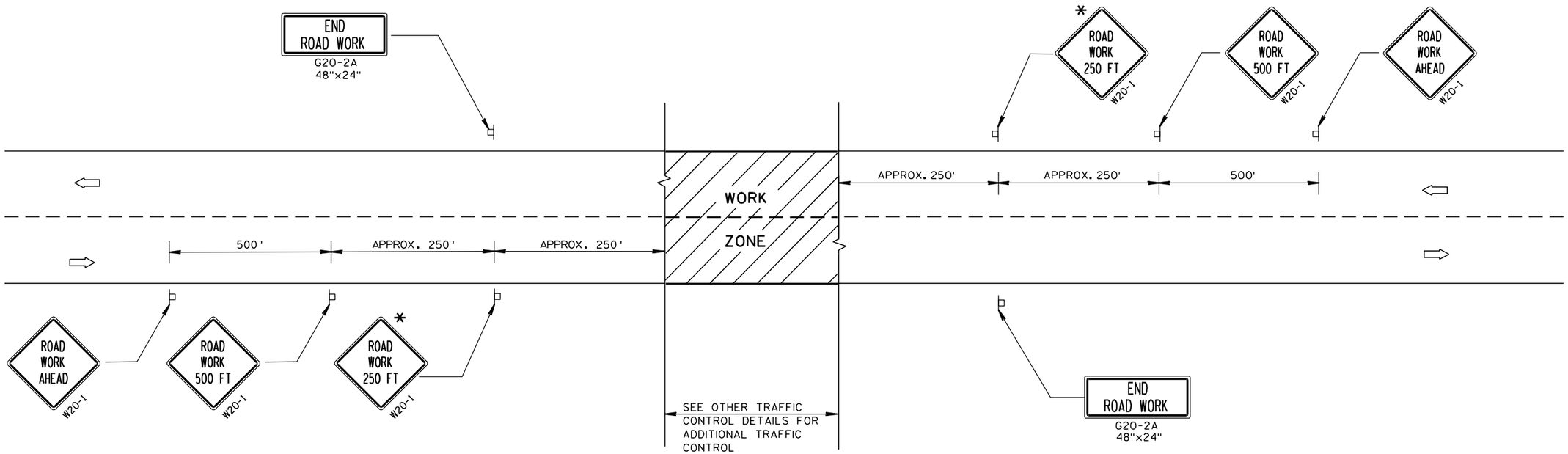
APPROVED

9-16-03 DATE

/S/ Thomas N. N[illegible] CHIEF SIGNS AND MAR[illegible] ENGINEER

FHWA

6 S.D.D. 15 C 3-1



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

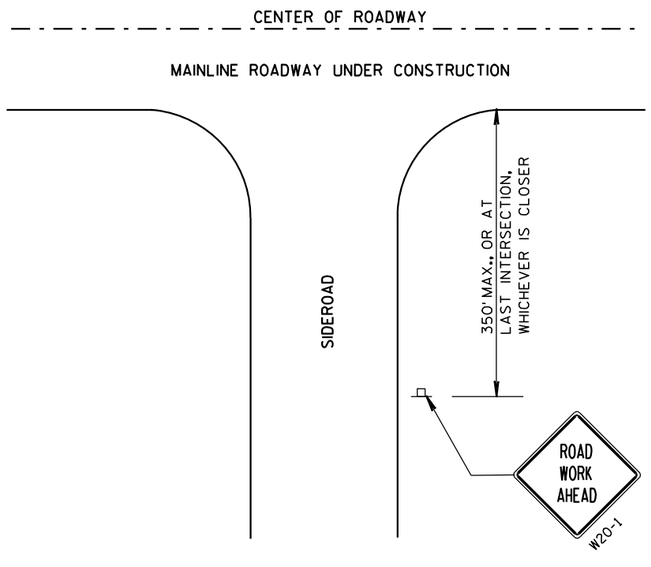
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/00
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER

FHWA

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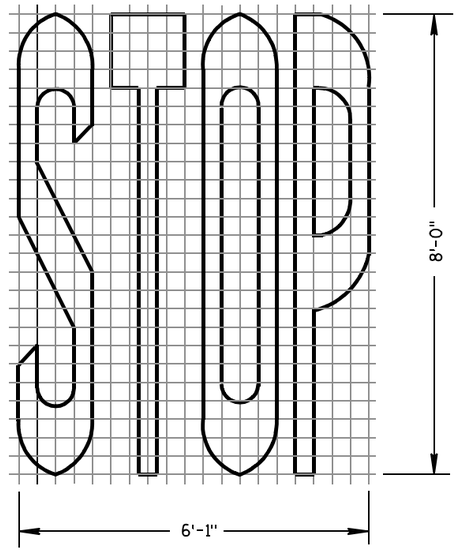
S.D.D. 15 C 5-1

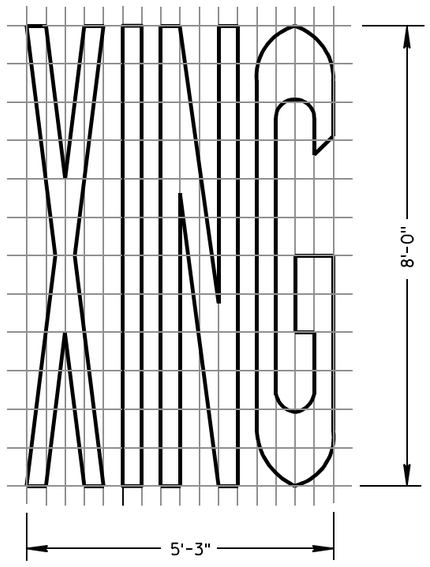
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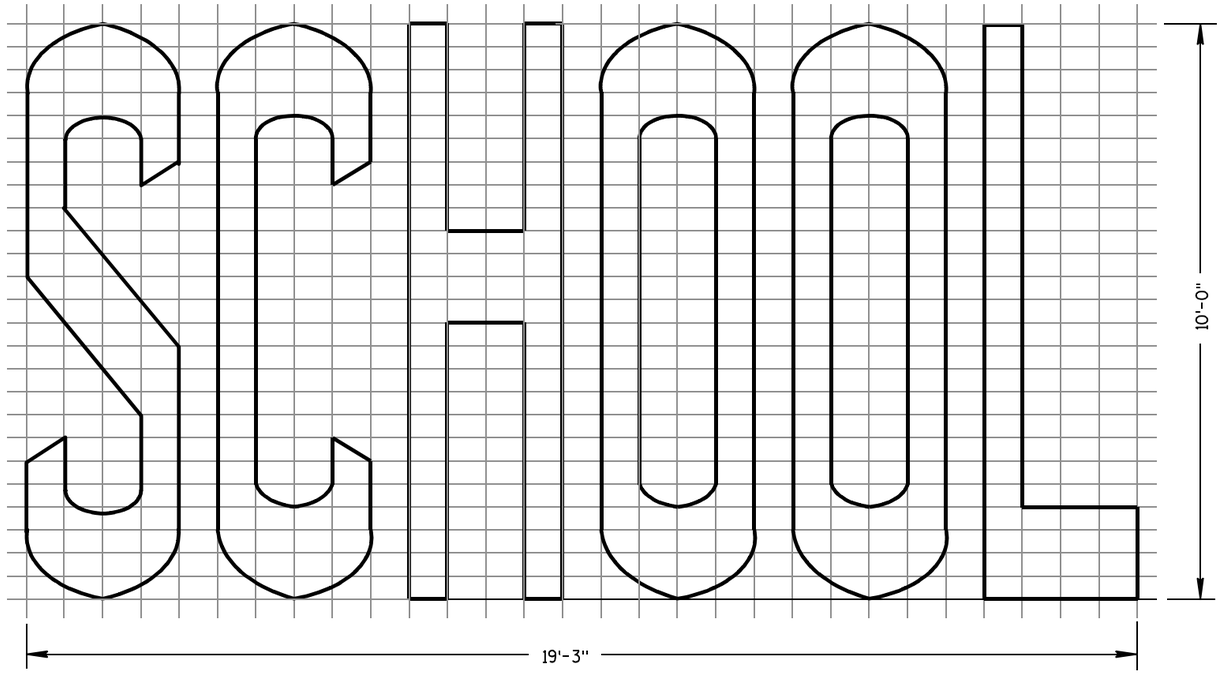
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

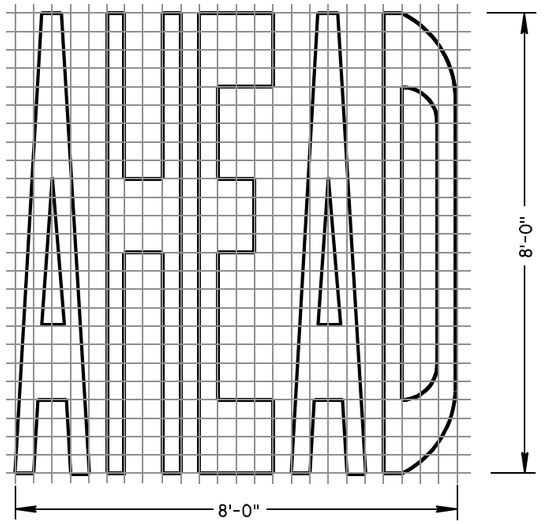
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

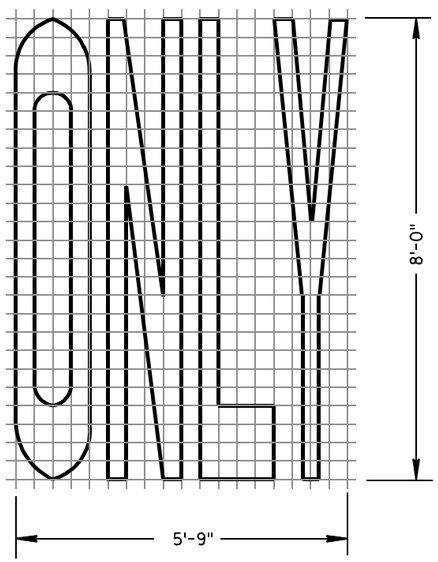


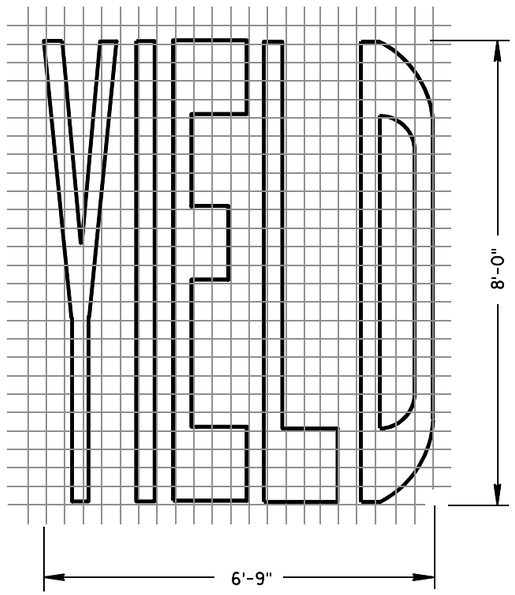


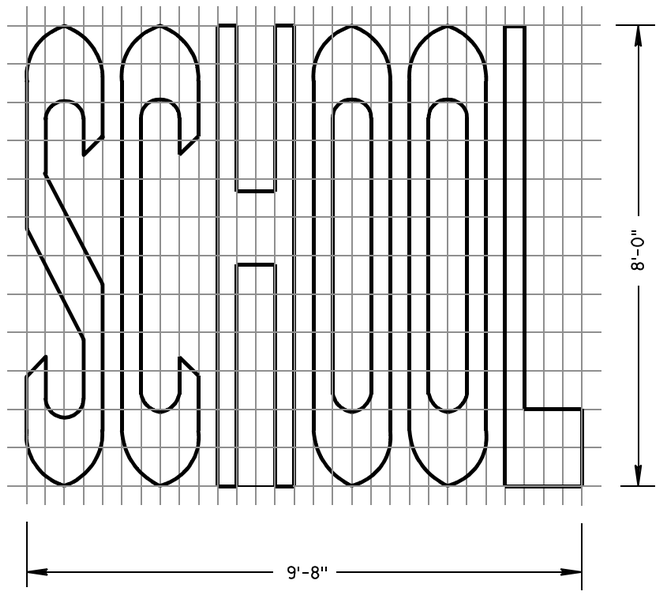


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

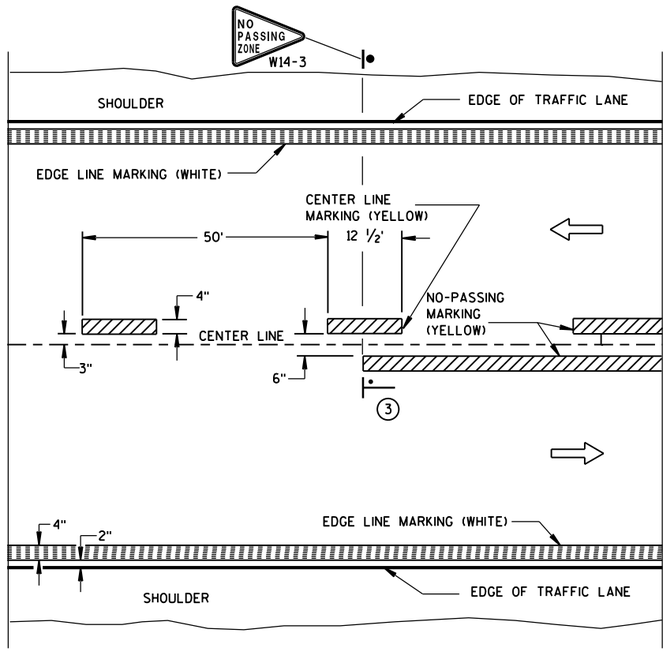
FHWA

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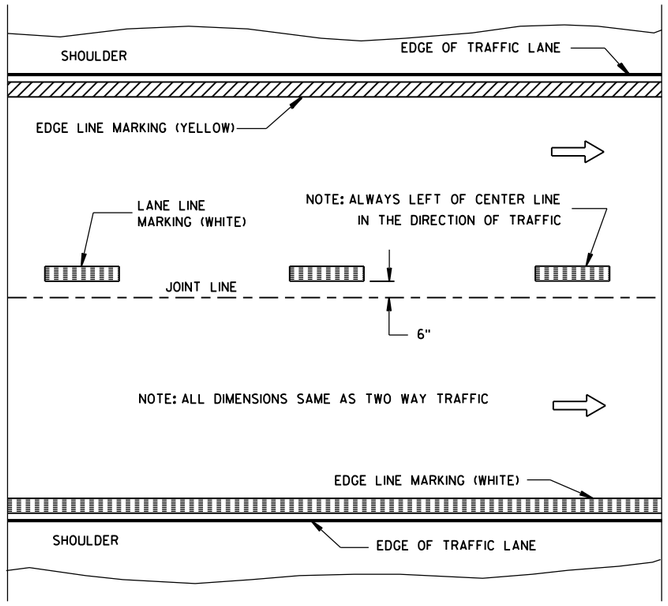
S.D.D. 15 C 7-12b

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S.D.D. 15 C 7-12b

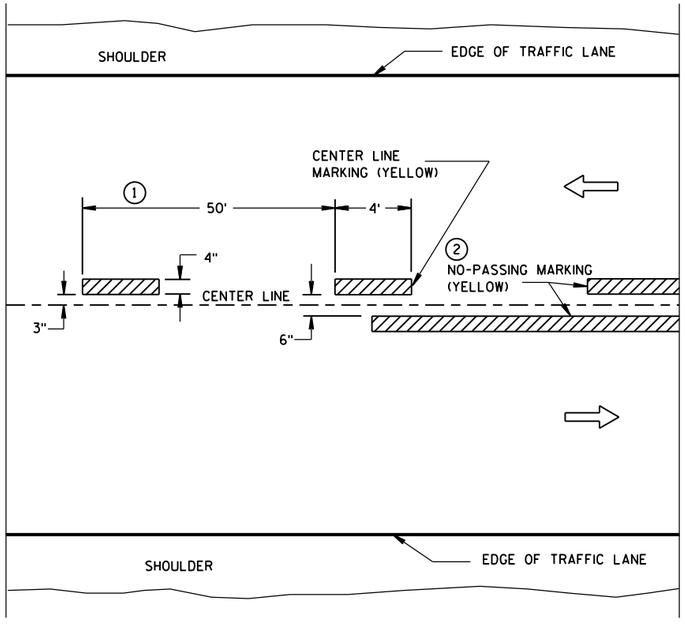


TWO WAY TRAFFIC

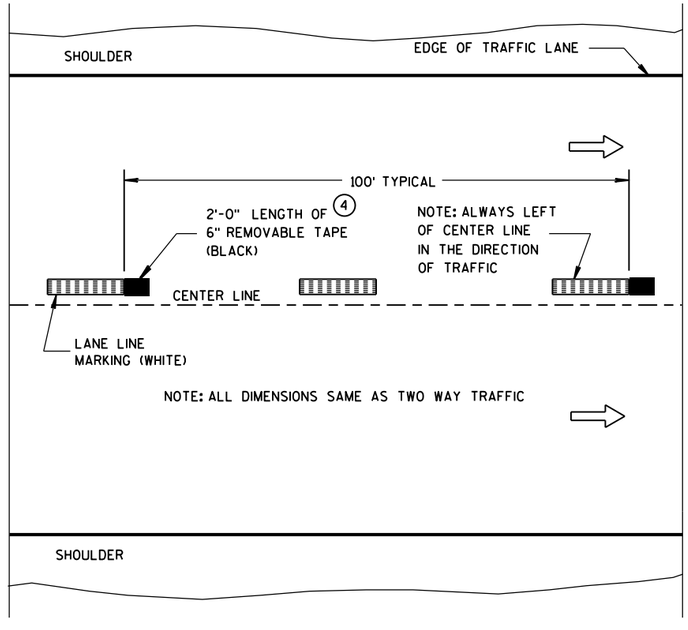


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

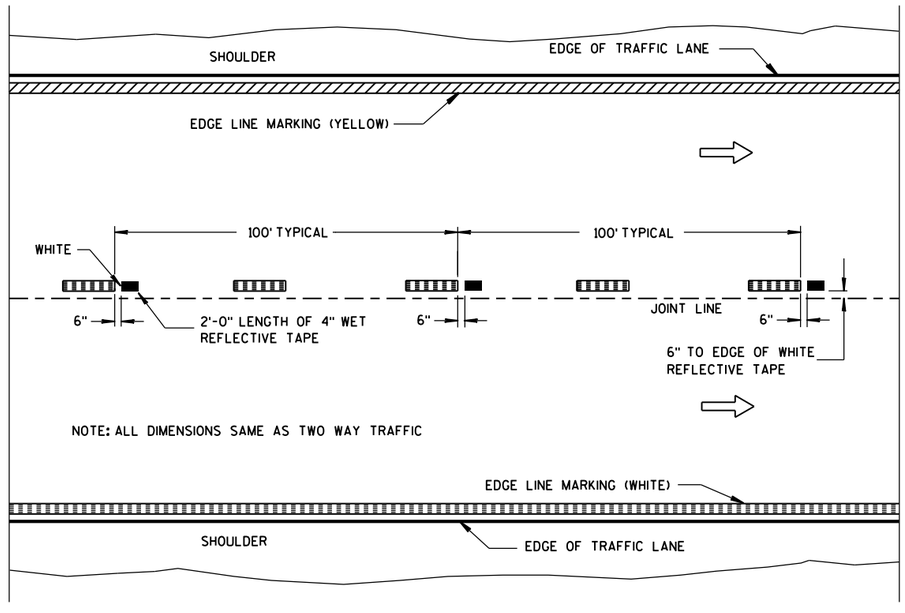
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

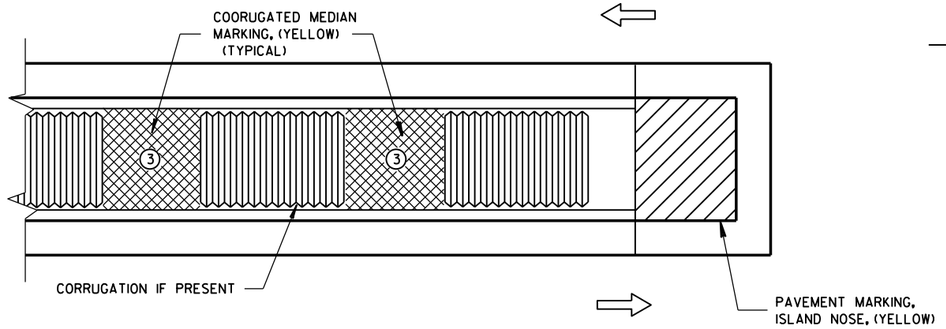
APPROVED
10-1-2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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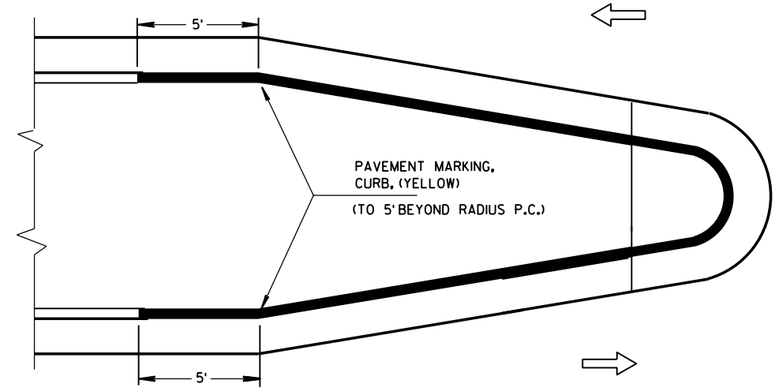
S.D.D. 15 C 8-15a

6

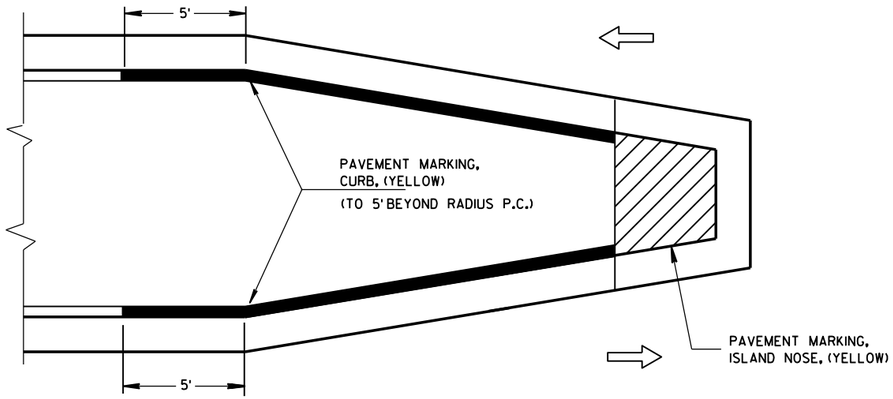
S.D.D. 15 C 8-15a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

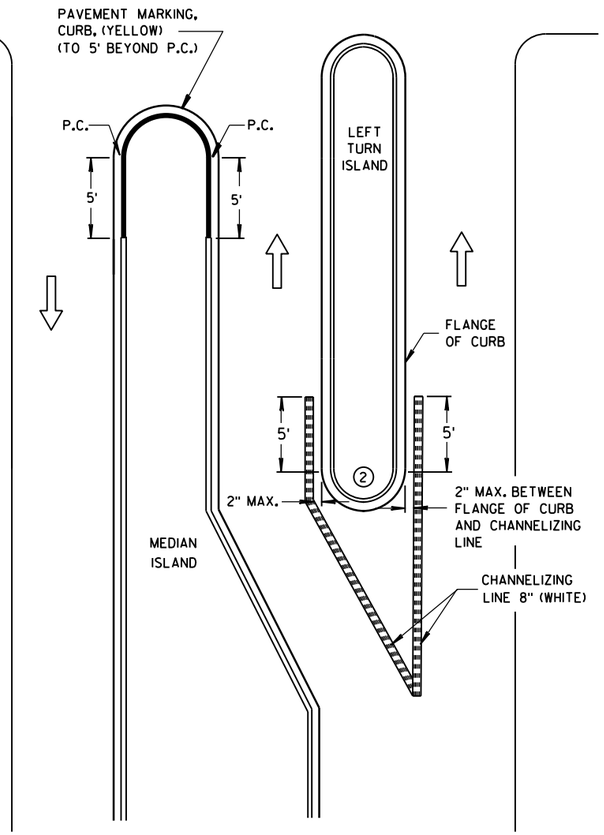


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

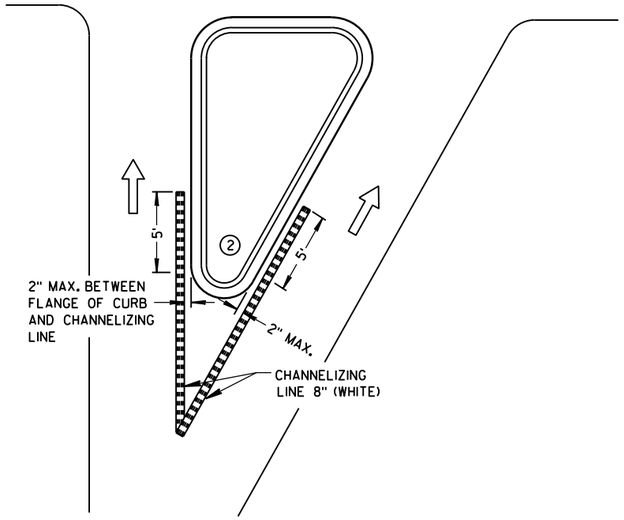
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



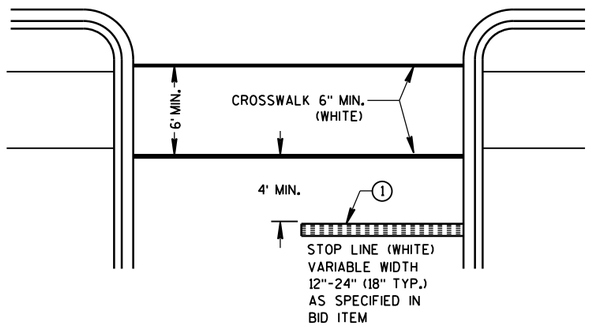
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

LEGEND

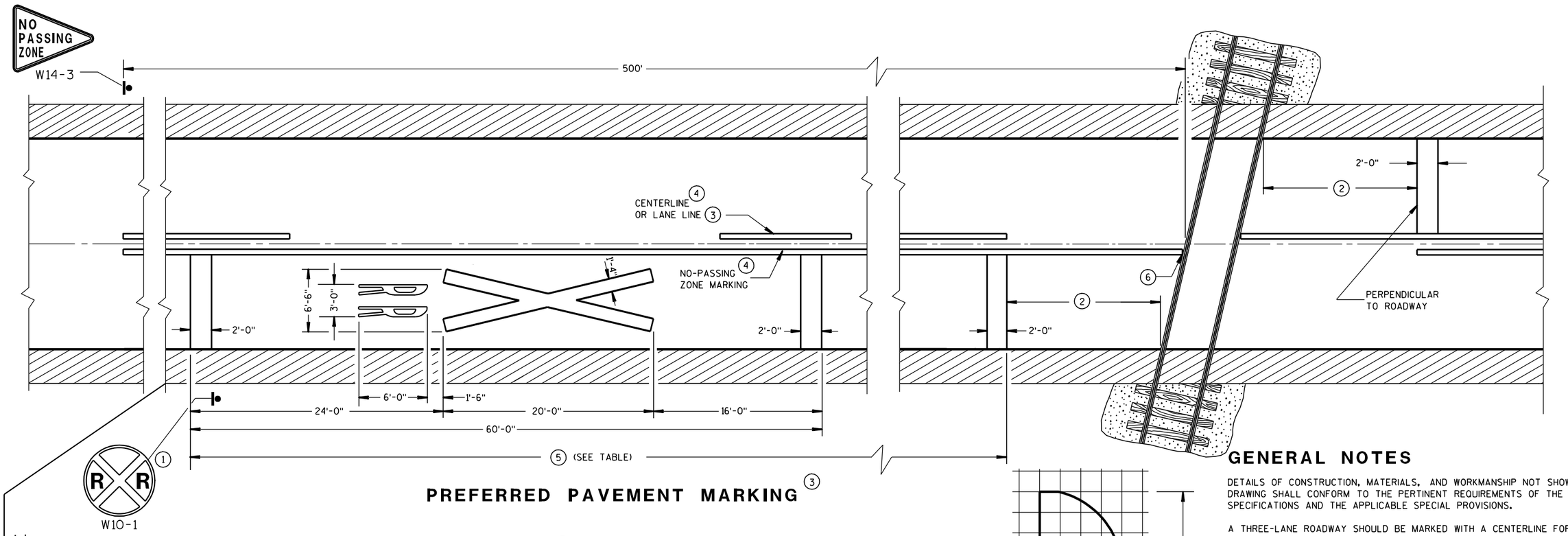
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

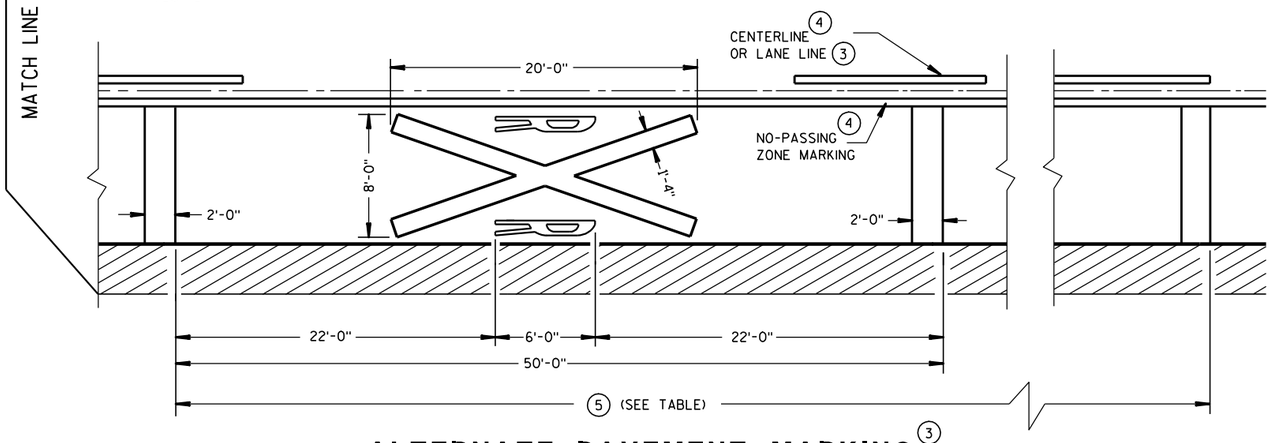
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 8-15f



PREFERRED PAVEMENT MARKING 3

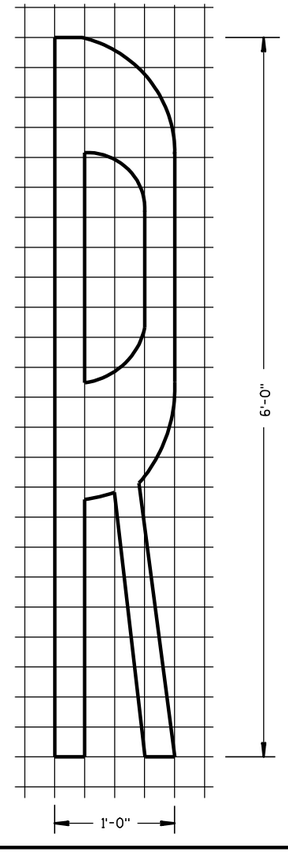


ALTERNATE PAVEMENT MARKING 3

5

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
2. MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
3. REFLECTIVE WHITE.
4. REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
5. TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1-9-2012
DATE

/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

232

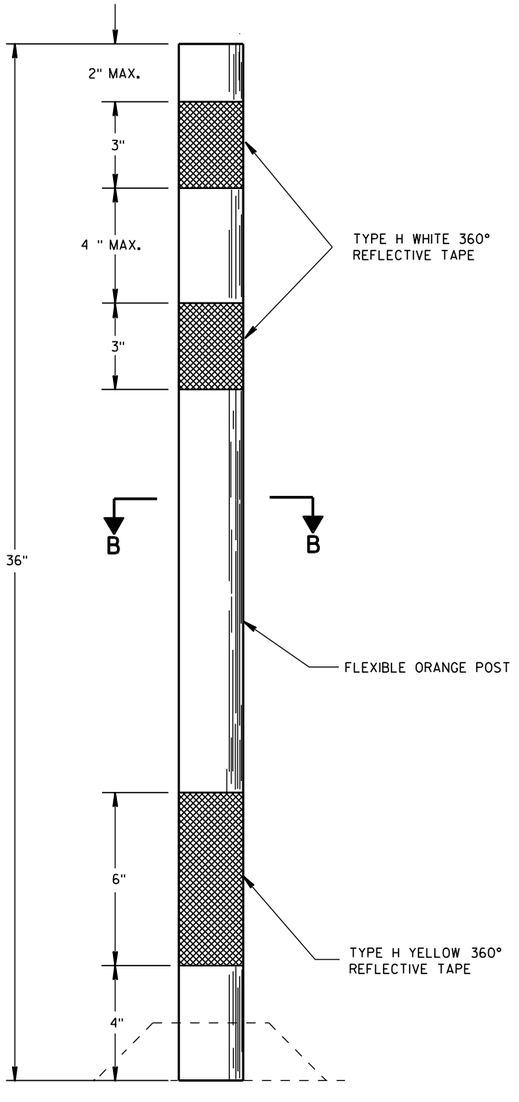
FHWA

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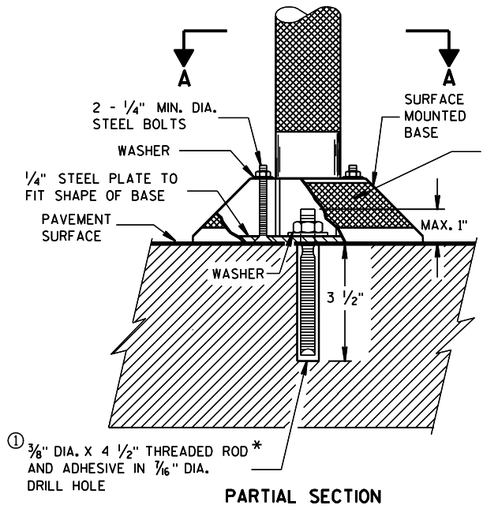
S.D.D. 15 C 9-9a

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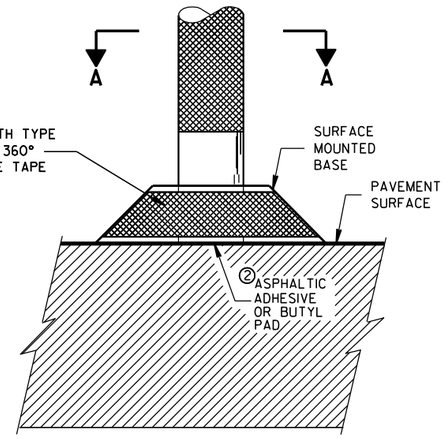
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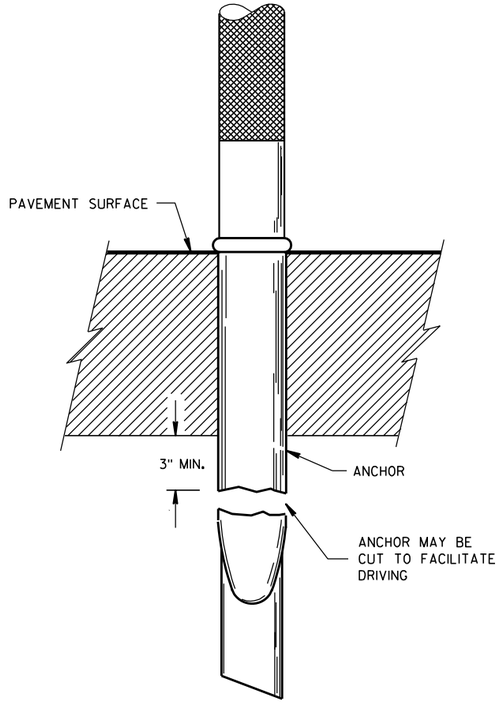
FLEXIBLE TUBULAR MARKER POST



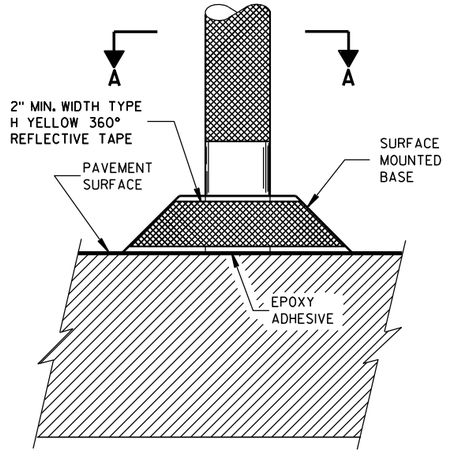
PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT



POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED



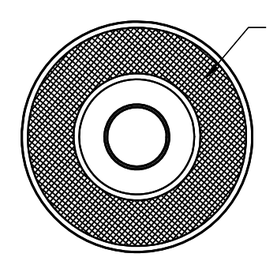
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

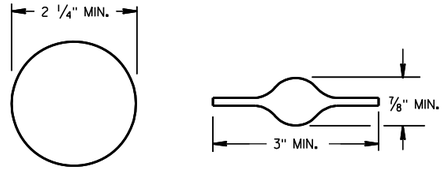
① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

② THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



SECTION A-A

SURFACE MOUNTED BASE



SECTION B-B

ALTERNATIVE SHAPES

FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 2/17/94 DATE /S/ Chester J. [illegible] DIRECTOR, OFFICE O 233 FHWA

6

S.D.D. 15 C 11-5

6

S.D.D. 15 C 11-5

TWO-LANE ROADWAY

SYMBOLS

WORK AREA

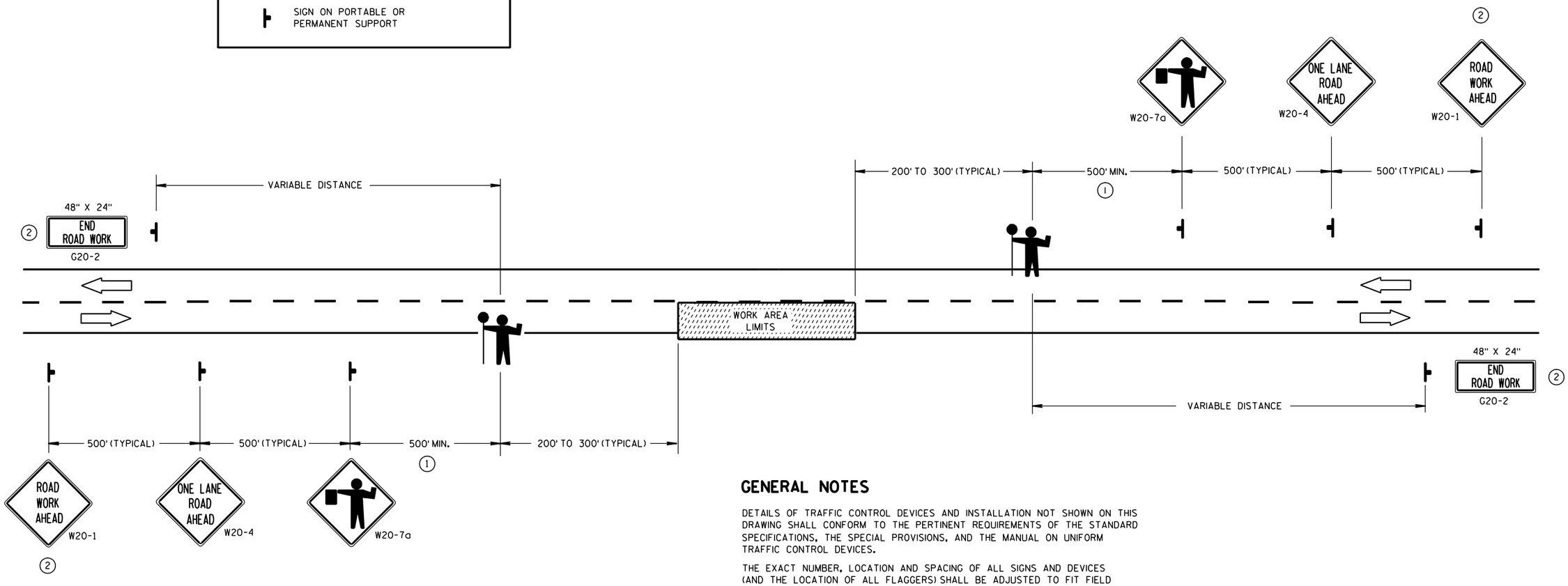
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN ON PORTABLE OR PERMANENT SUPPORT



W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/5/06 — DATE

/S/ Thomas N. Nathaam — STATE TRAFFIC ENGINEER

234

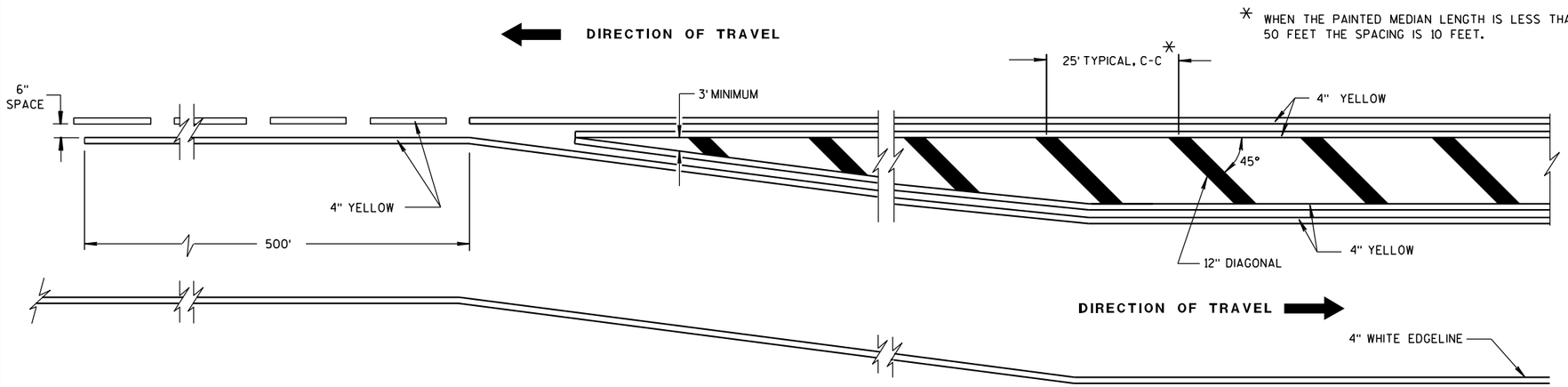
FHWA

6

S.D.D. 15 C 12-3

6

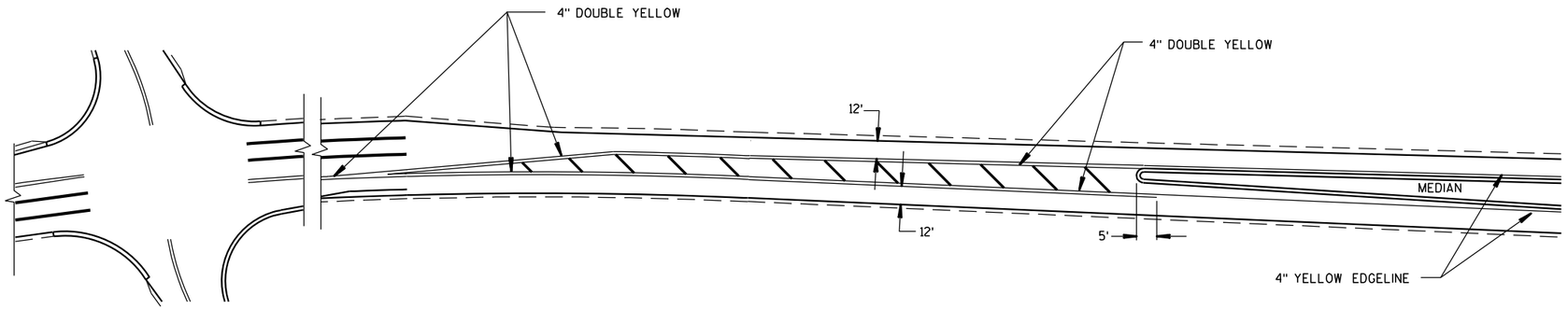
S.D.D. 15 C 12-3



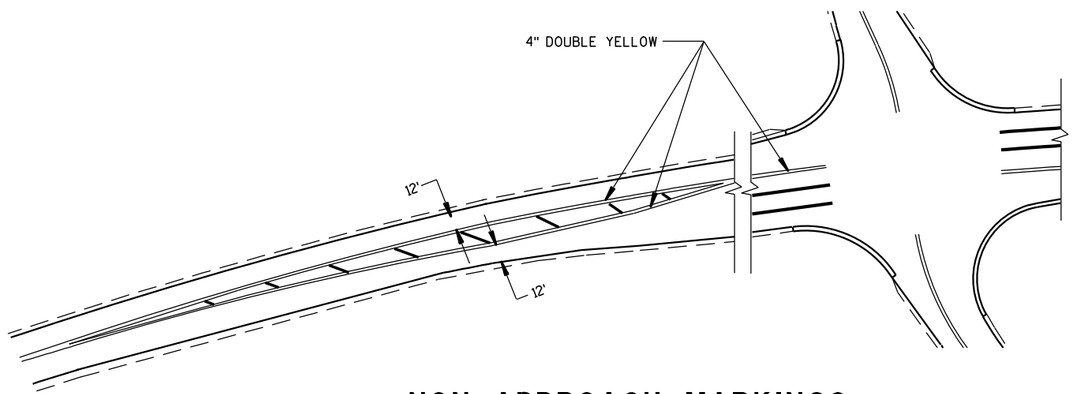
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER 235 IGN
FHWA	

6

S.D.D. 15 C 18-3

6

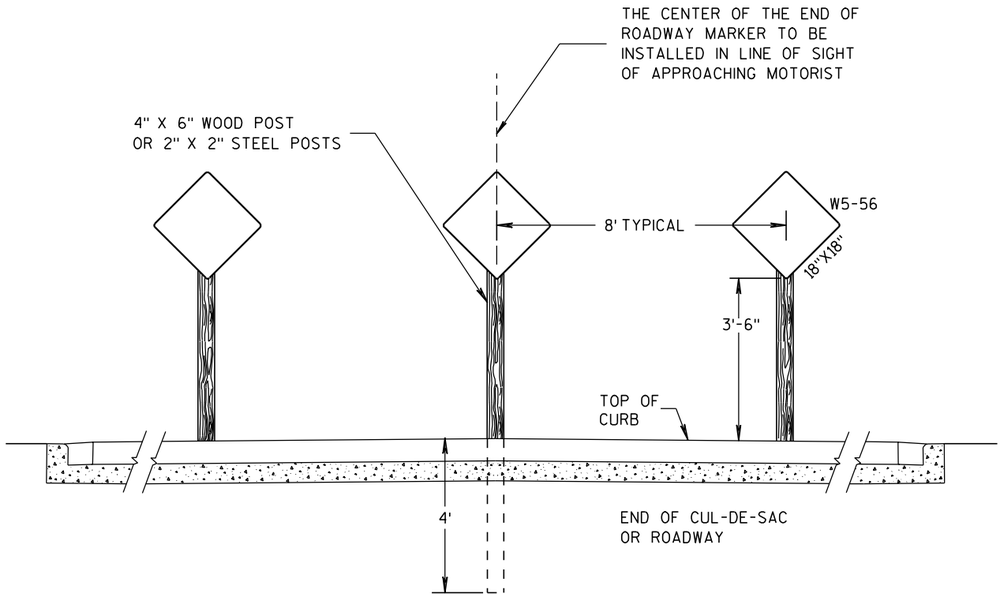
S.D.D. 15 C 18-3

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

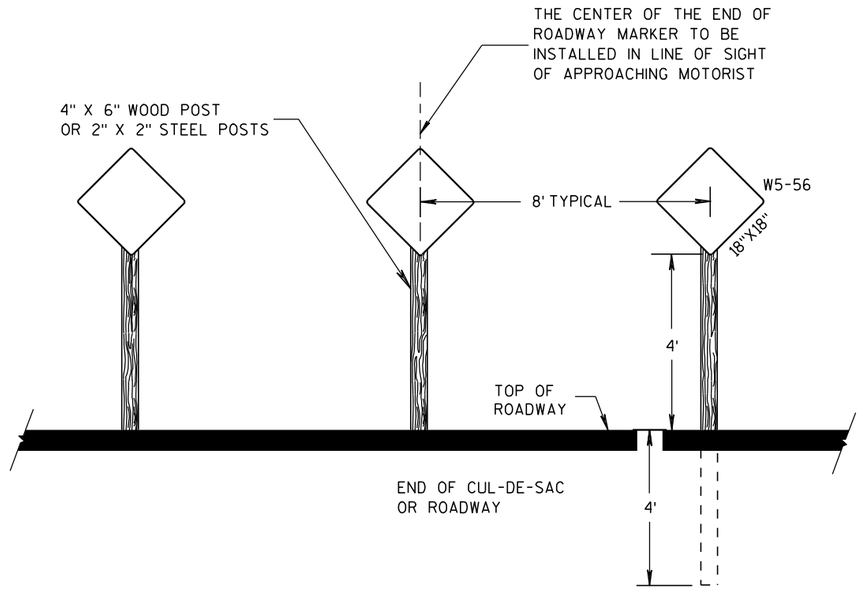
THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL URBAN SIGN INSTALLATION

(WITH CURB & GUTTER)



TYPICAL RURAL SIGN INSTALLATION

(WITHOUT CURB & GUTTER)

6

S.D.D. 15 C 26-2

END-OF-ROADWAY SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

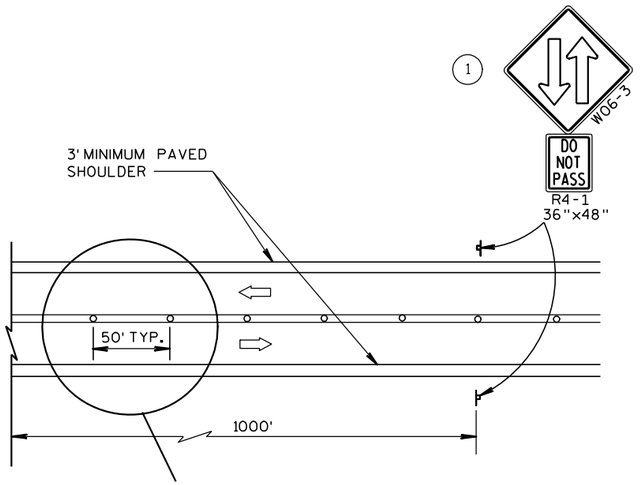
8/1/2011 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

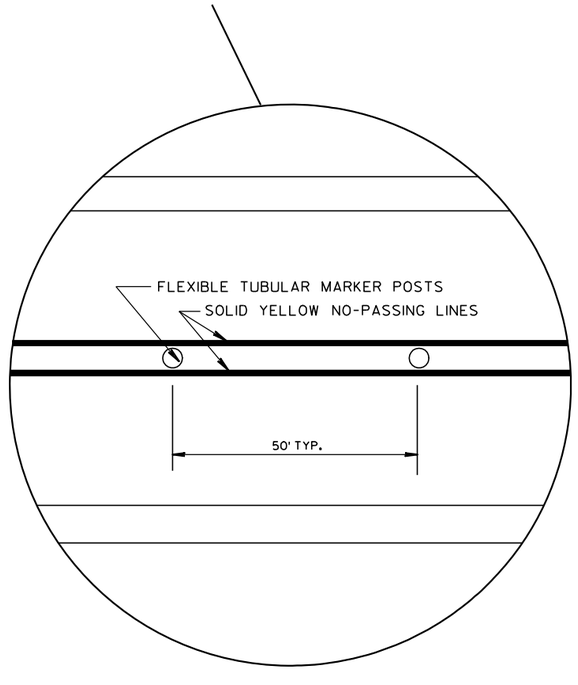
FHWA

6

S.D.D. 15 C 26-2



TWO LANE, TWO WAY OPERATION



GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

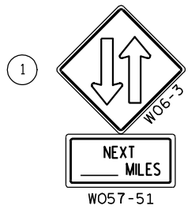
A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC @ 50' SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.



R2-1
48"x60"
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD **BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY** 2 OR 3 MILES.



W057-51
48"x24"



R4-1
36"x48"

THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200' BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500' BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000' BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

LEGEND

- POST WITH ATTACHED SIGN
- FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12-4-95
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF 237

FHWA

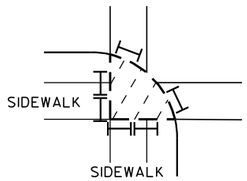
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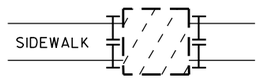
S.D.D. 15 D 6-2

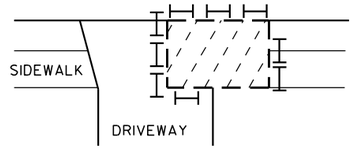
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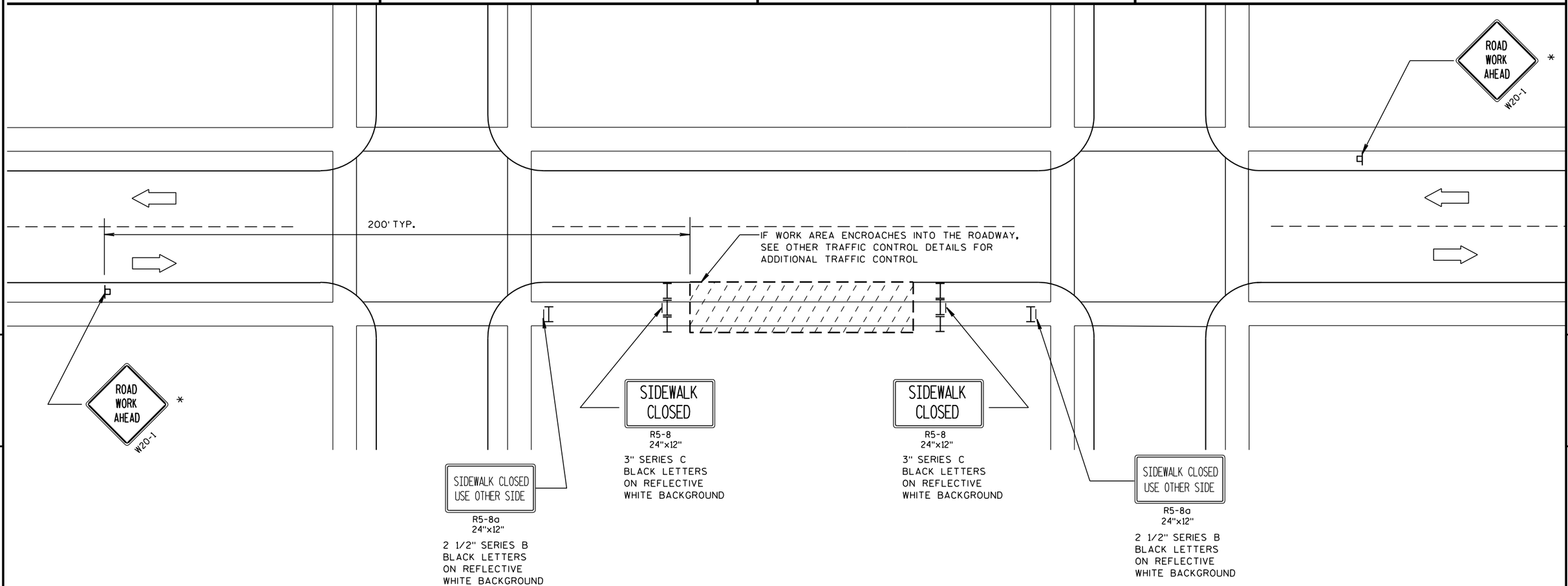
S.D.D. 15 D 6-2

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

TRAFFIC CONTROL, SIDEWALK CLOSURE

TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

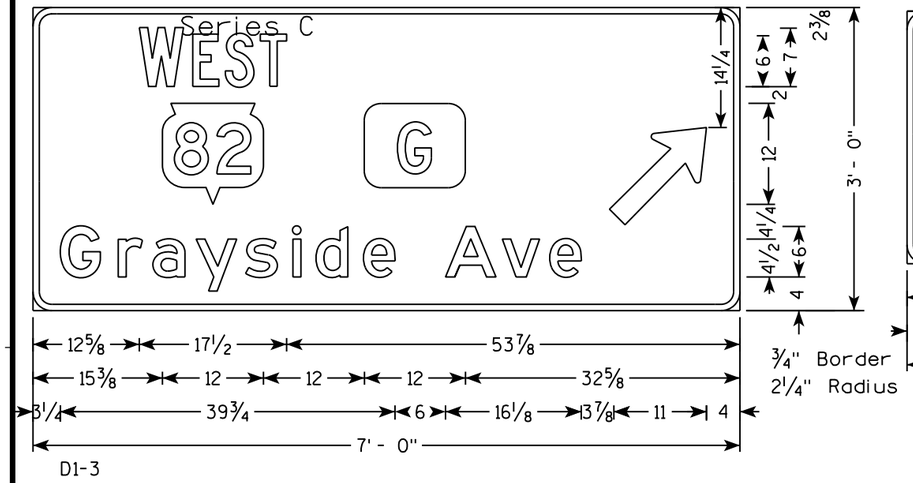
5/23/2000 DATE

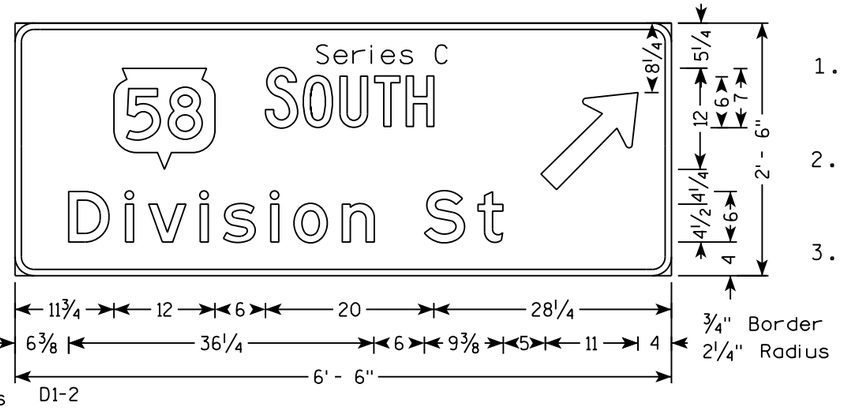
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER

FHWA

6

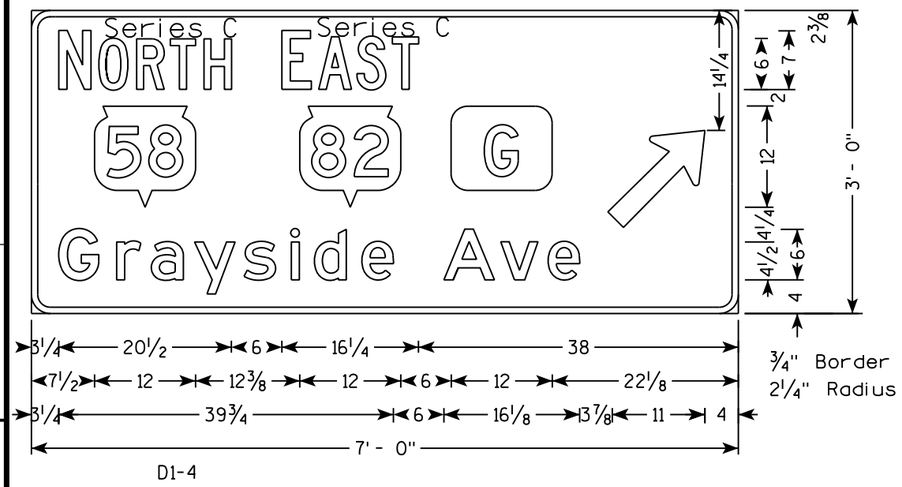
S.D.D. 15 D 30-1

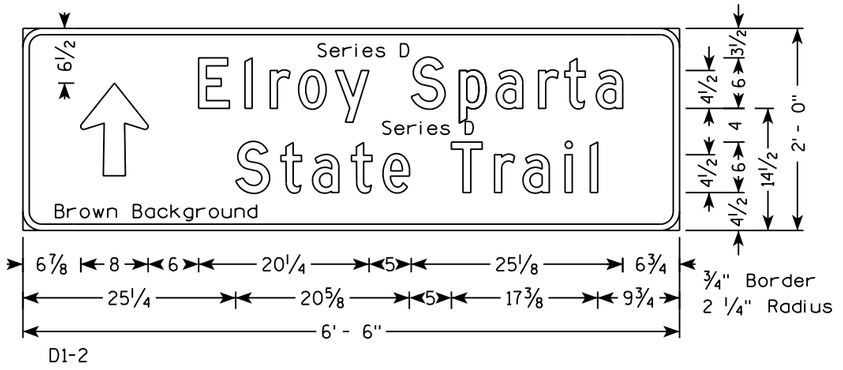


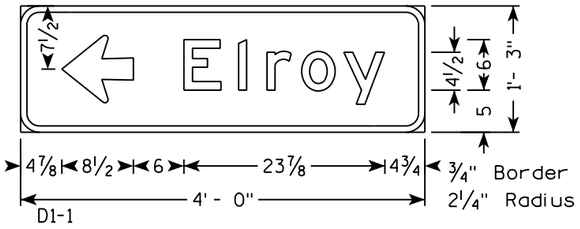


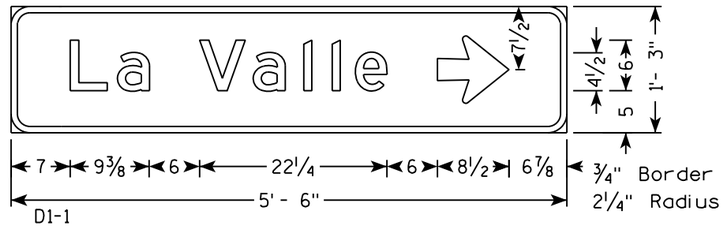
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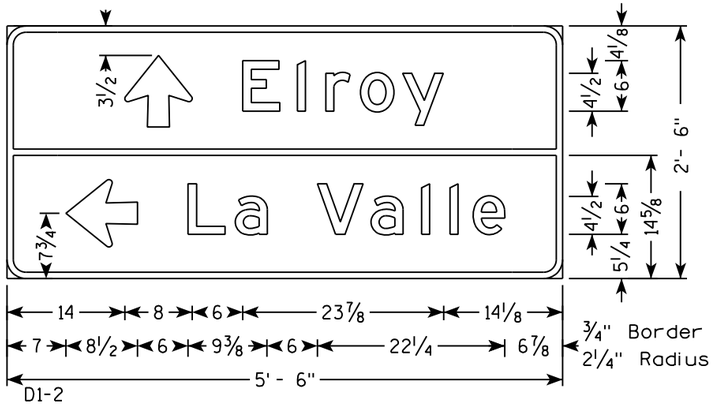
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted

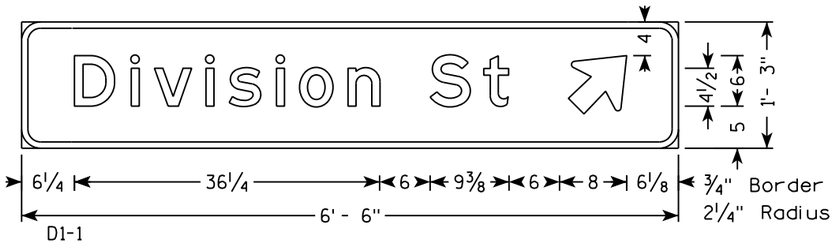




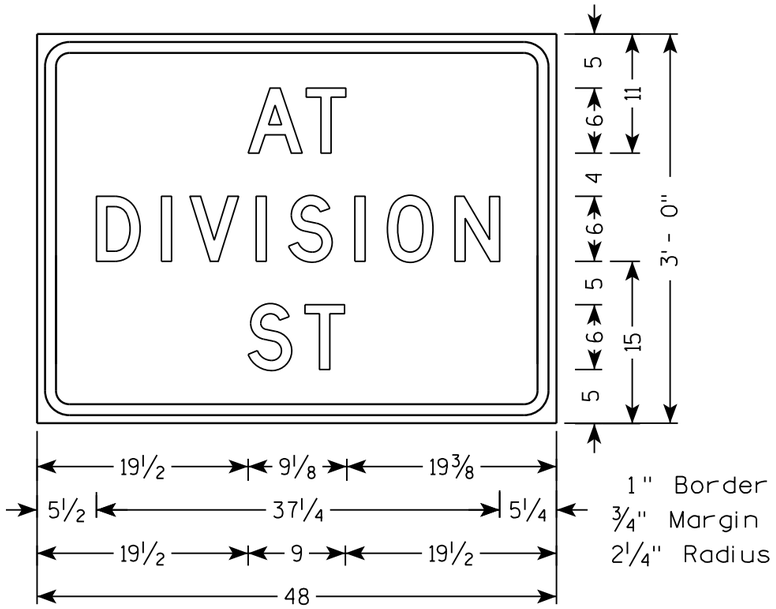






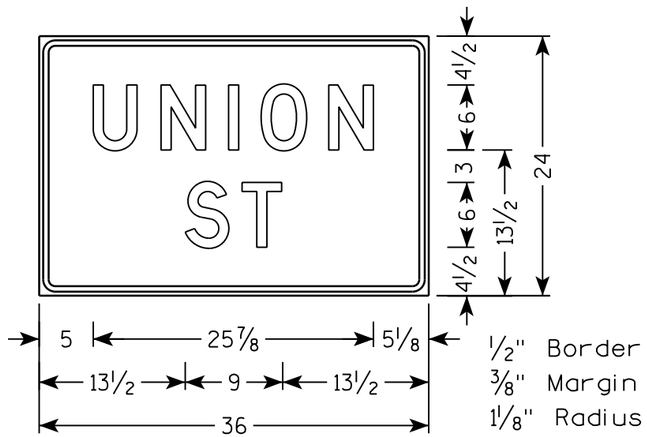


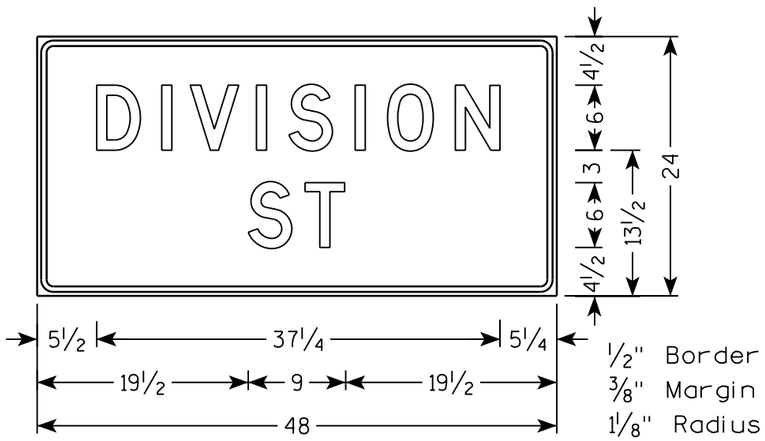
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	PERMANENT SIGNING DETAILS	SHEET 239	E



NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Message - BLACK
3. Message Series - D

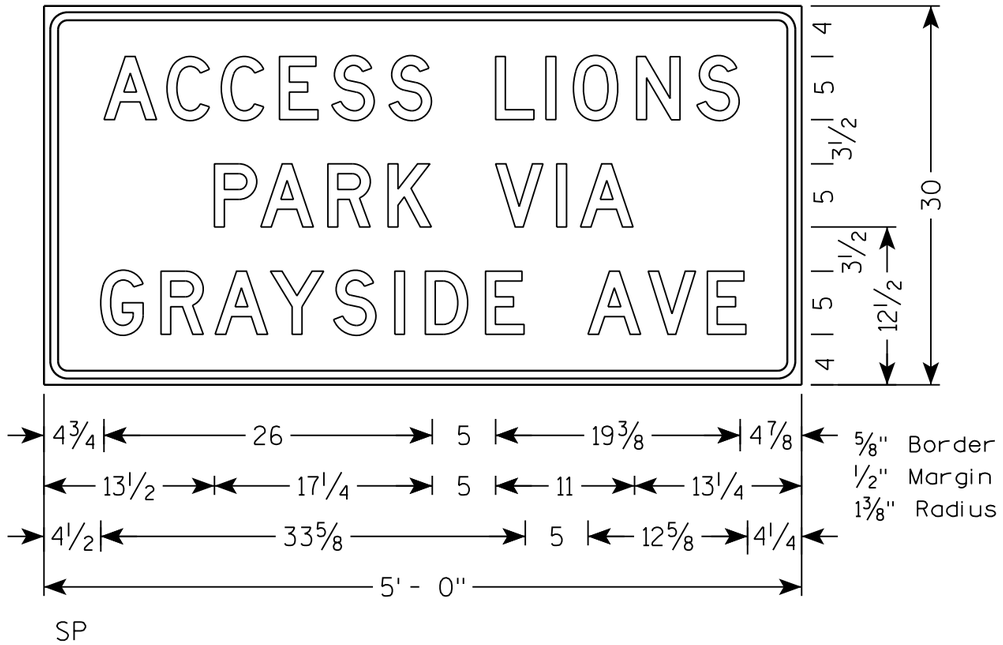




7

7

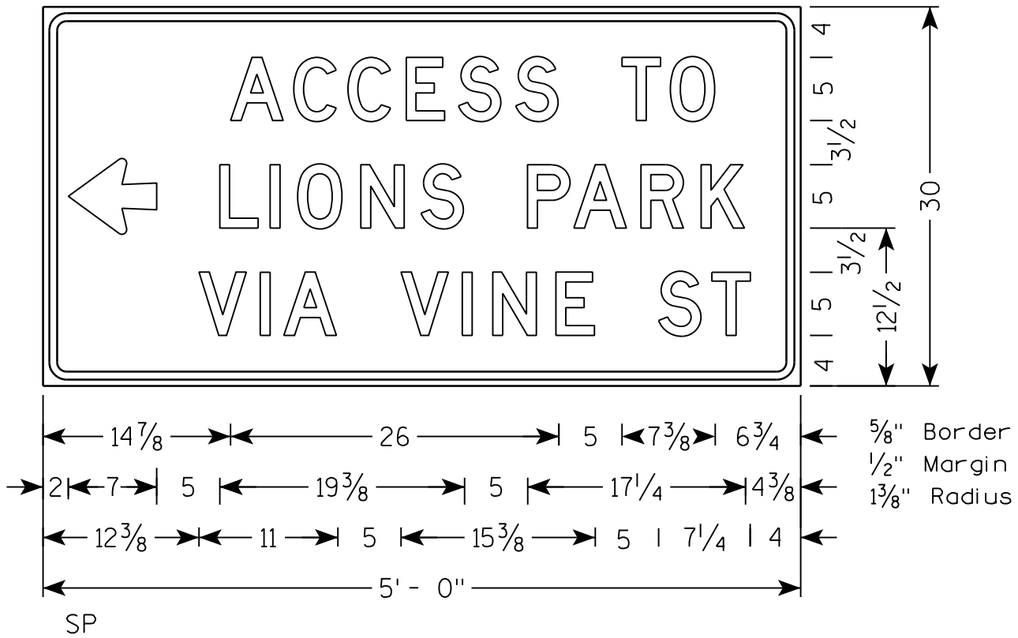
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL SIGNS FIXED MESSAGE DETAILS	SHEET NO: 240	E



SP

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D



SP

7

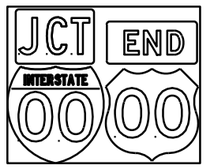
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	TRAFFIC CONTROL SIGNS FIXED MESSAGE DETAILS	SHEET NO: 241	E

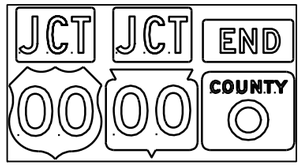
TYPICAL ASSEMBLIES



J1-1



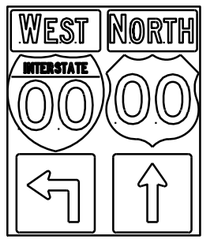
J1-2



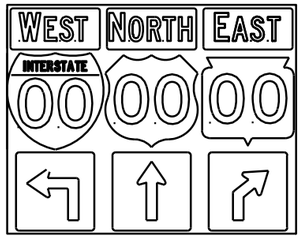
J1-3



J2-1



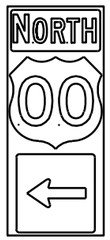
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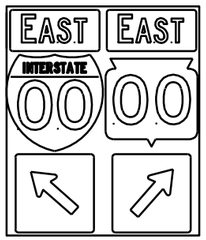
J2-3



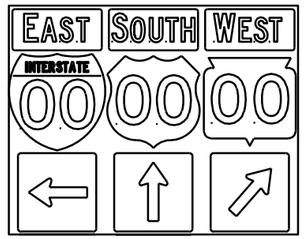
JV



J3-1



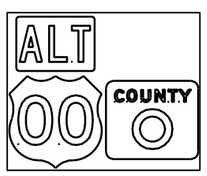
J3-2



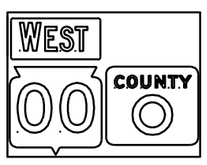
J3-3



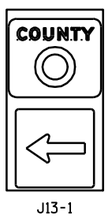
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



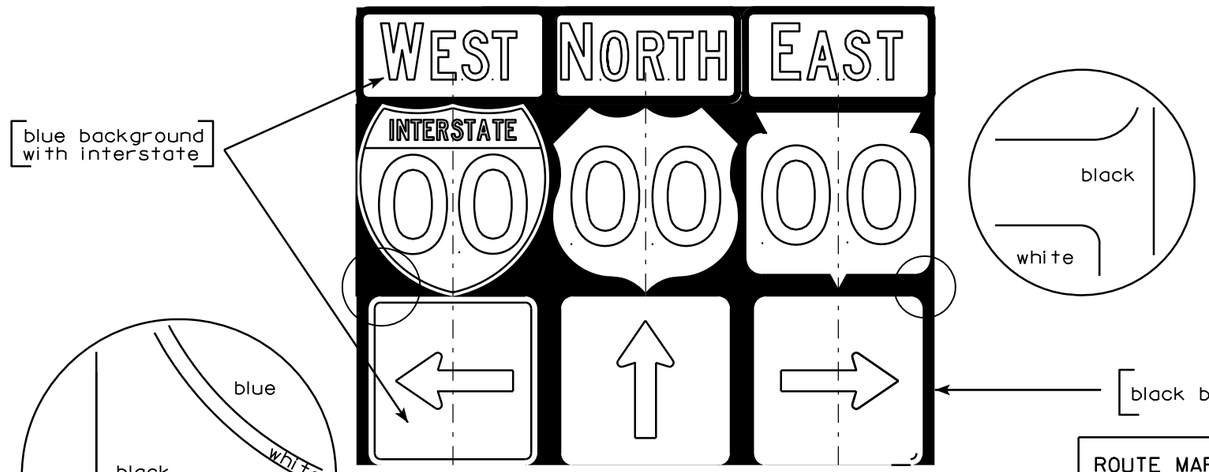
J23-1



J22-1

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square since base material is plywood.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

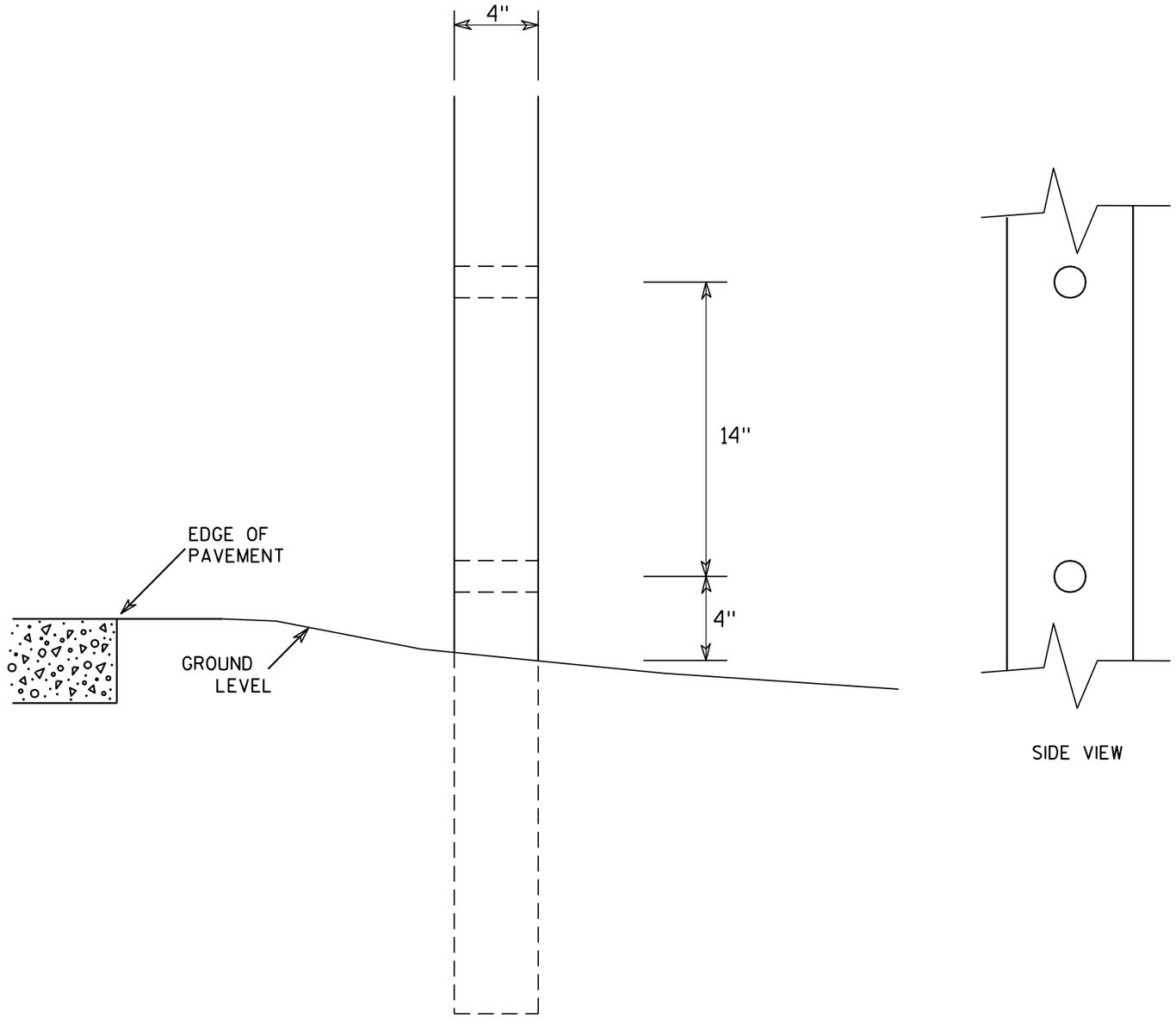
DATE 10/21/09 PLATE NO. A2-1S.6

7

7

PROJECT NO:

SHEET NO: 242 E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

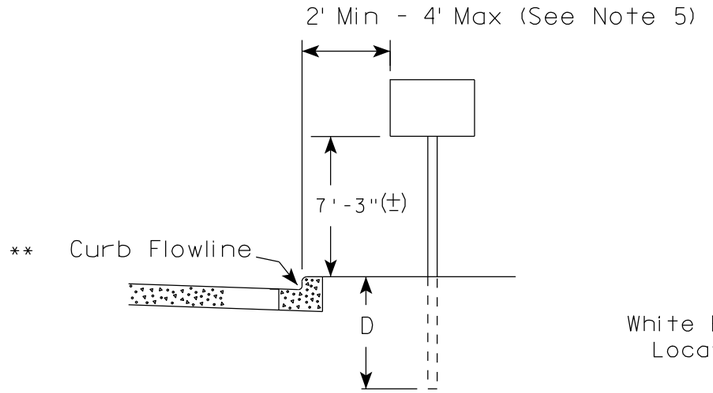
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

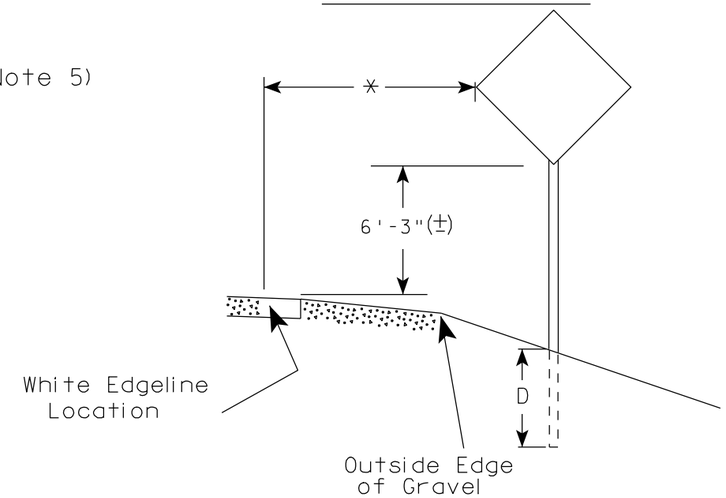
DATE 3/27/97 PLATE NO. A4-11.2

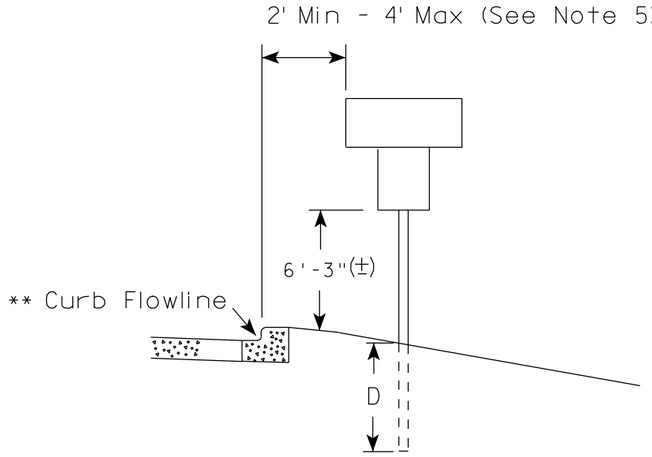
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 243	E

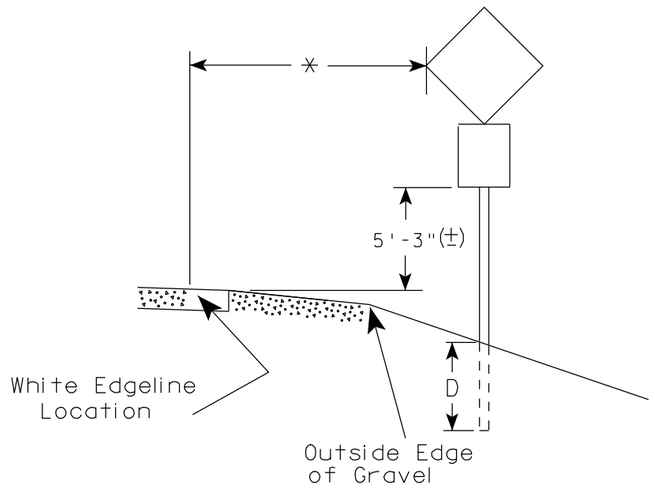
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

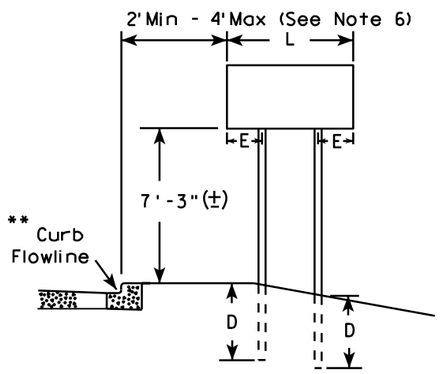
DATE 9/21/2011 PLATE NO. A4-3.16

7

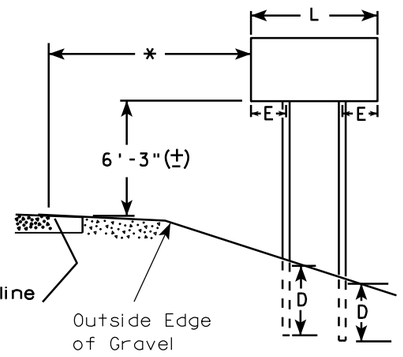
7

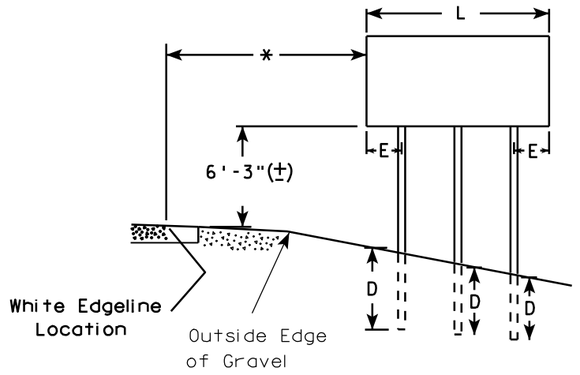
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 244 | E

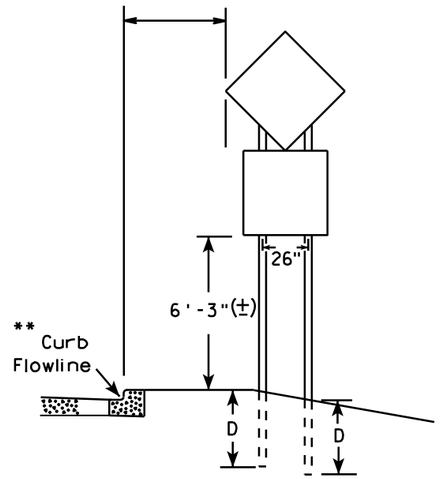
URBAN AREA



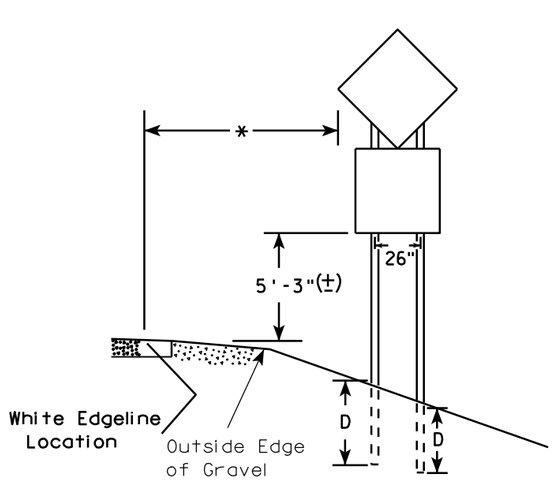
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. For multiple post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

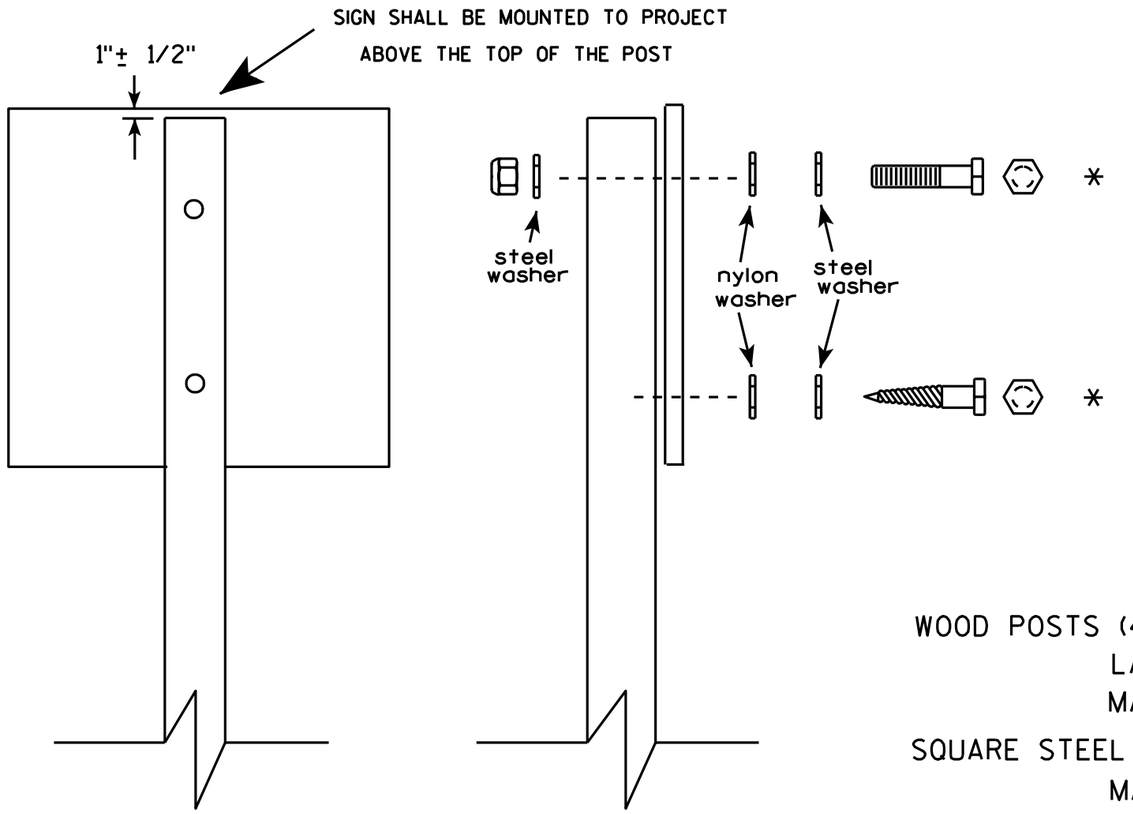
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

7

7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 245	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

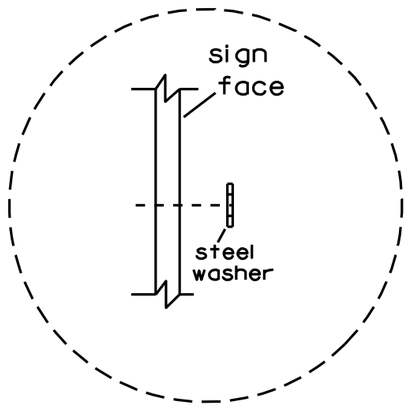
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

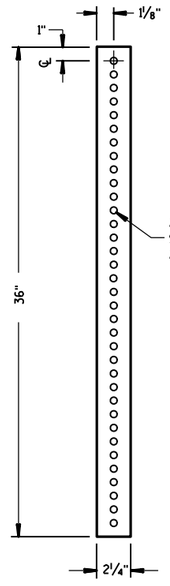
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PROJECT NO:

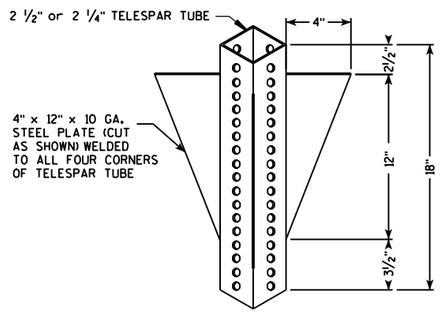
SHEET NO: 246 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

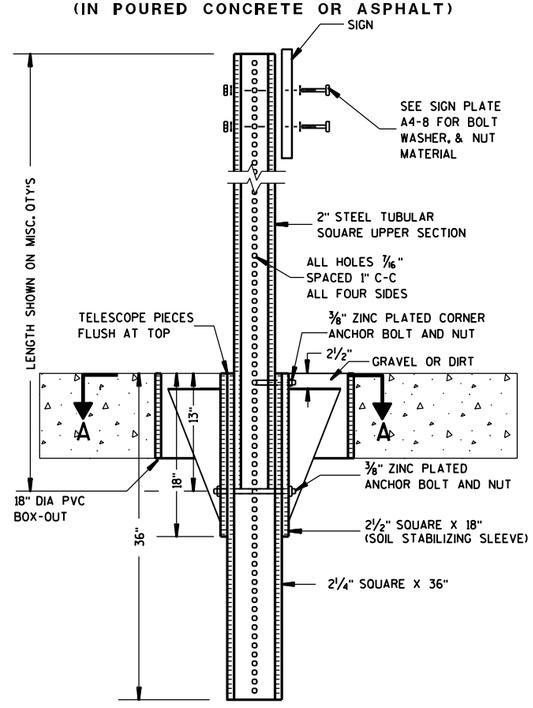
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



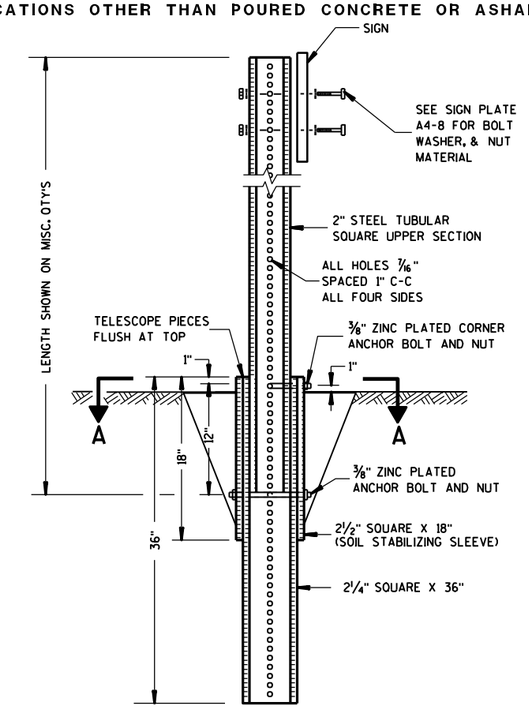
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

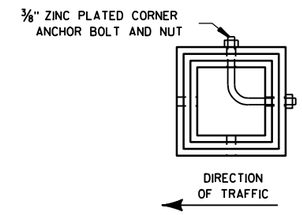


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL SIGN POST A4-9

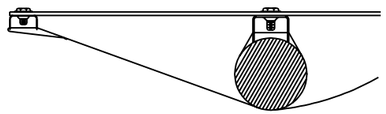
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

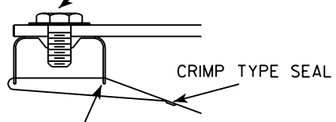
DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 247	E

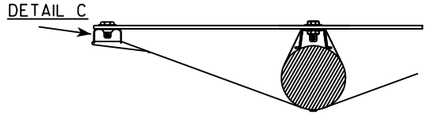
BRACE BANDING

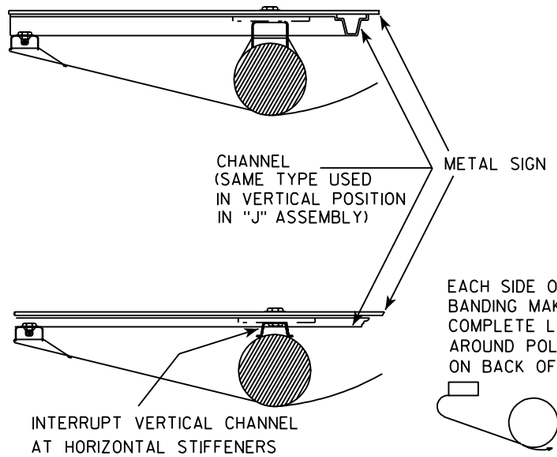


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

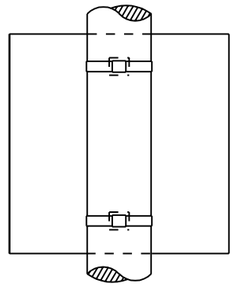


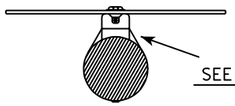


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

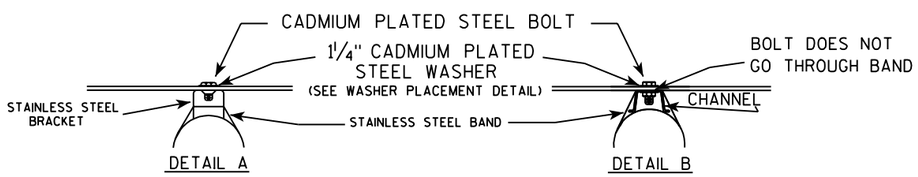
BRACKET BANDING

SINGLE SIGN





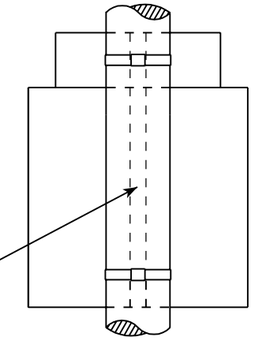
SEE DETAIL A



DETAIL A

DETAIL B

"J" ASSEMBLY

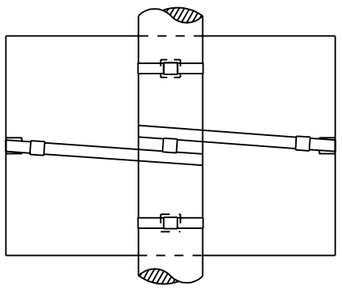


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

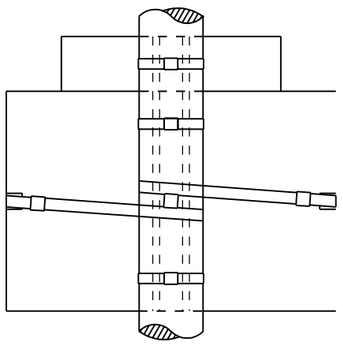
GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

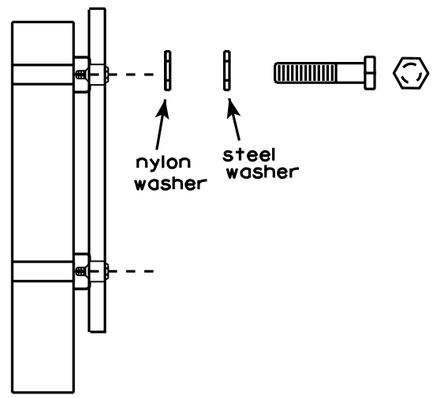


BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY BUT NOT SO TIGHT AS TO APPRECIABLY CURVE FACE OF SIGN.



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

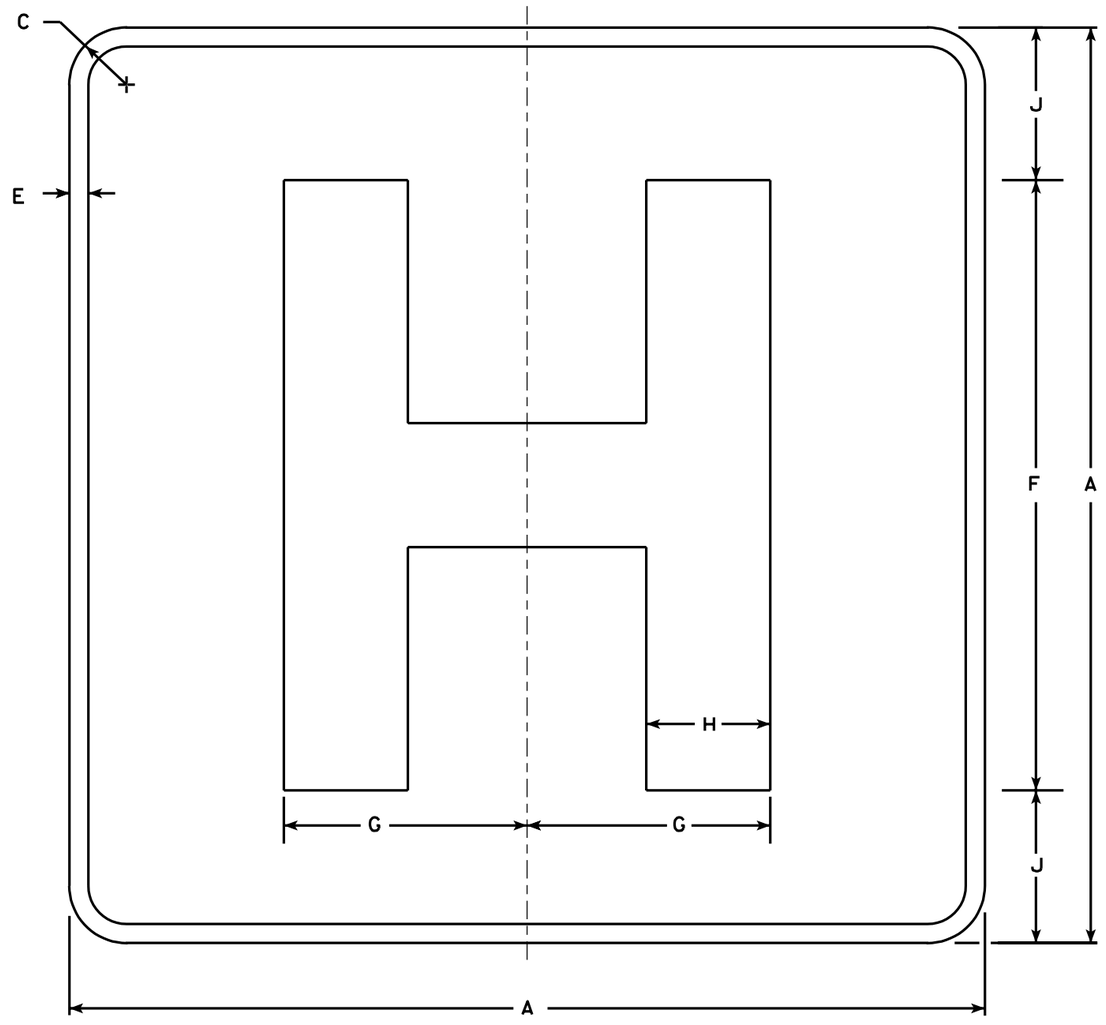
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 11/08/05 PLATE NO. A5-9.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 248	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

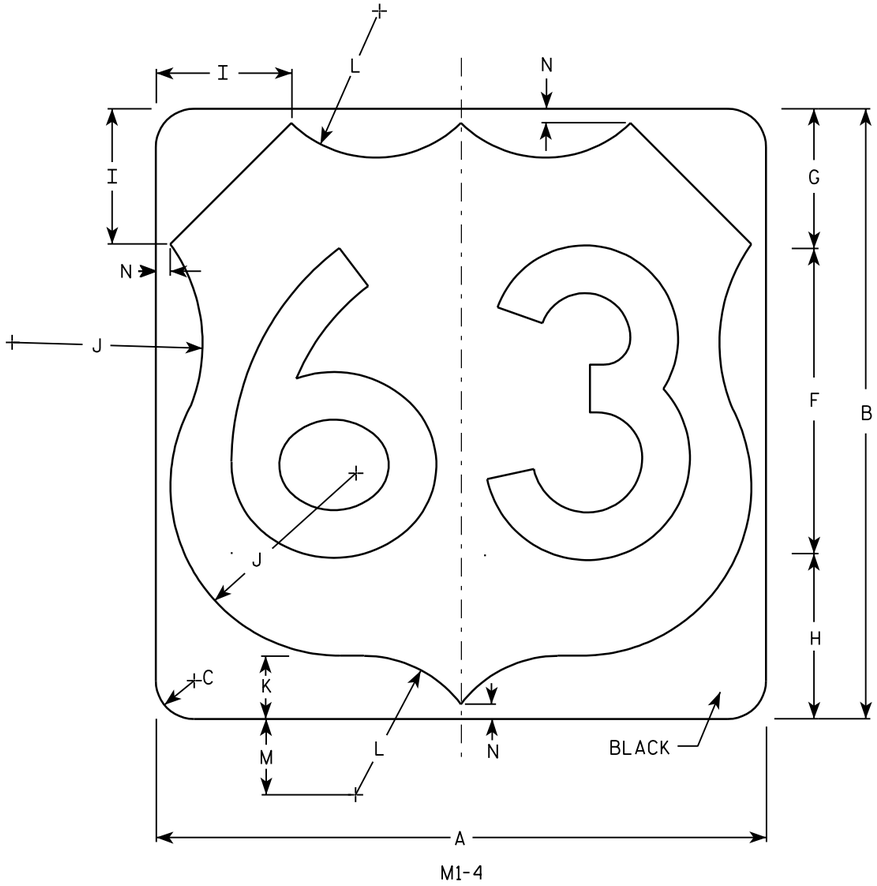
DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

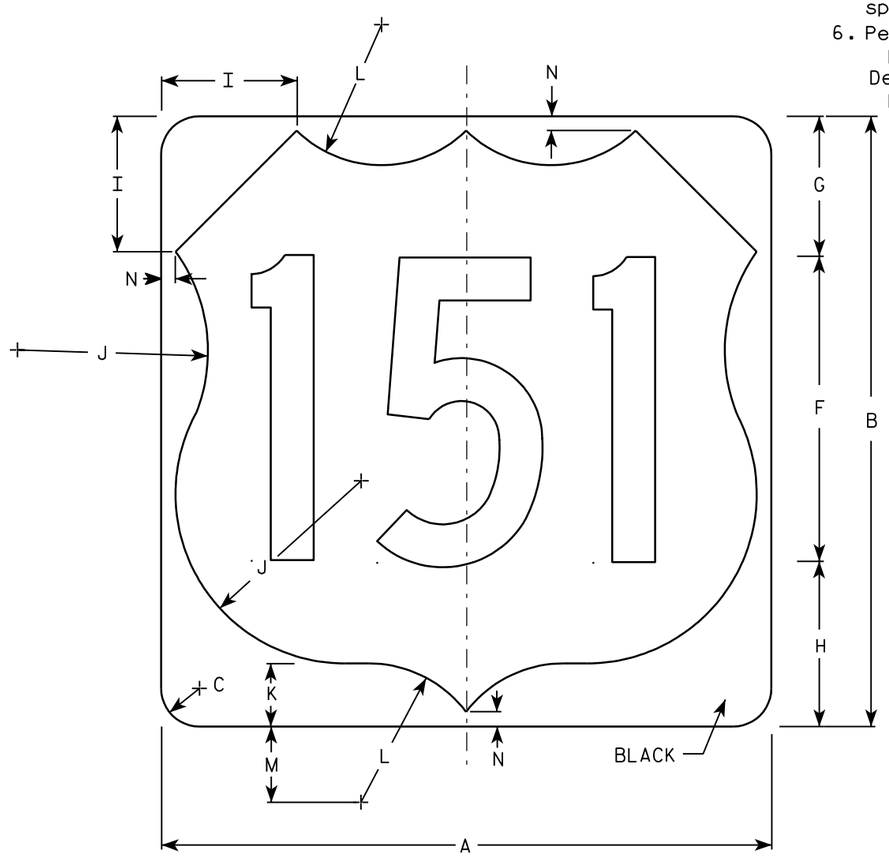
SHEET NO: 249 E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

7

7

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

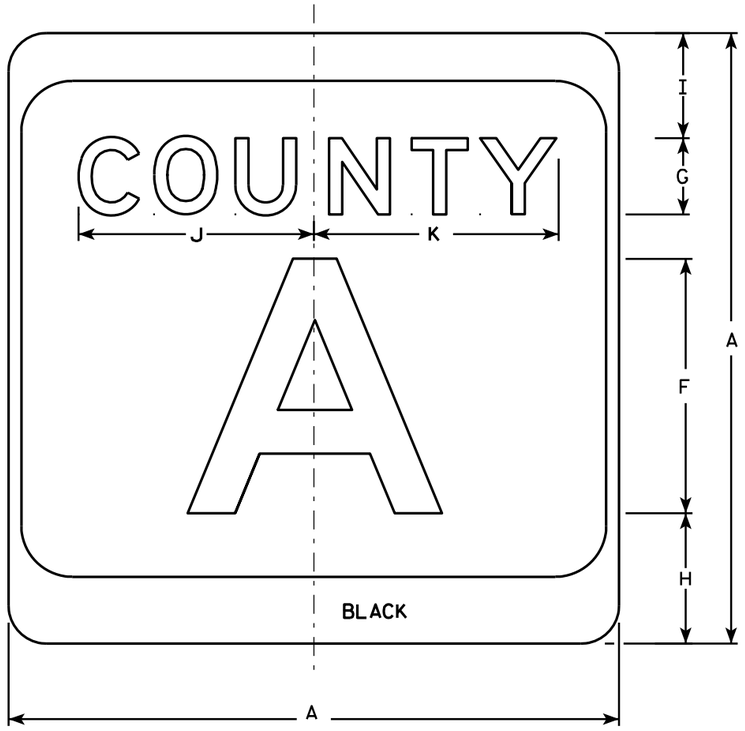
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

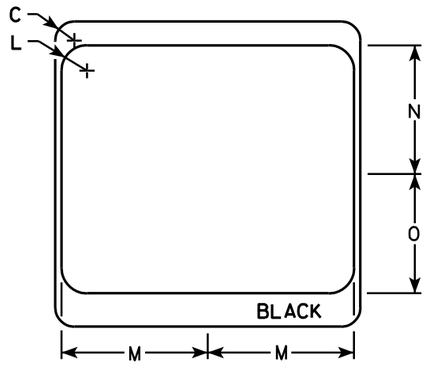
APPROVED Matthew R Rauch
for State Traffic Engineer

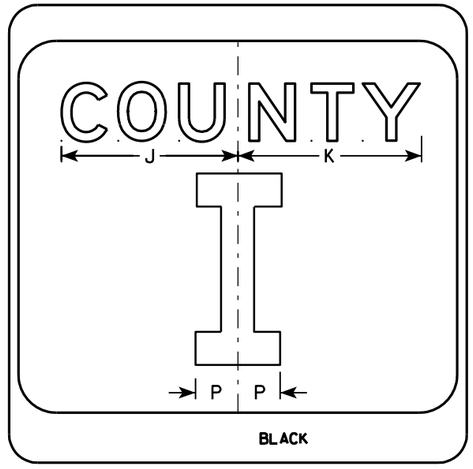
DATE 08/25/05 PLATE NO. M1-4.9

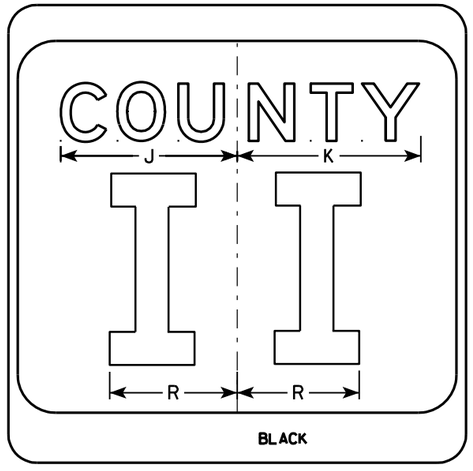
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 250	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

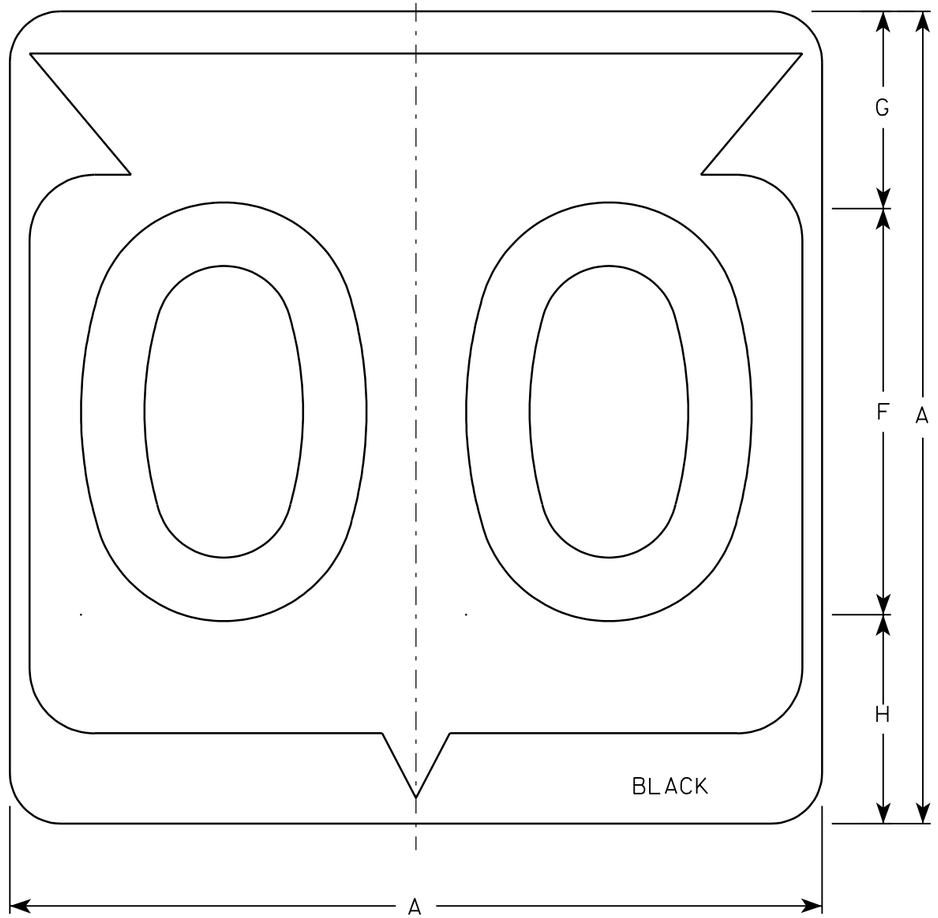
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

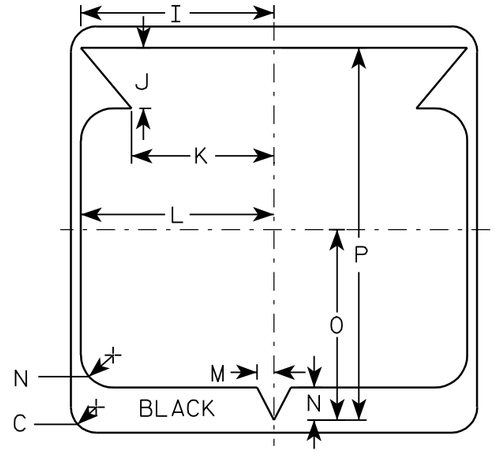
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

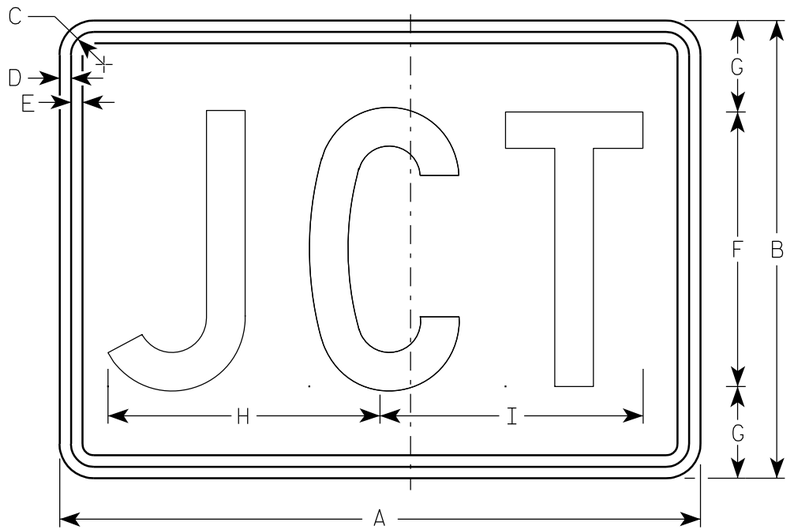
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

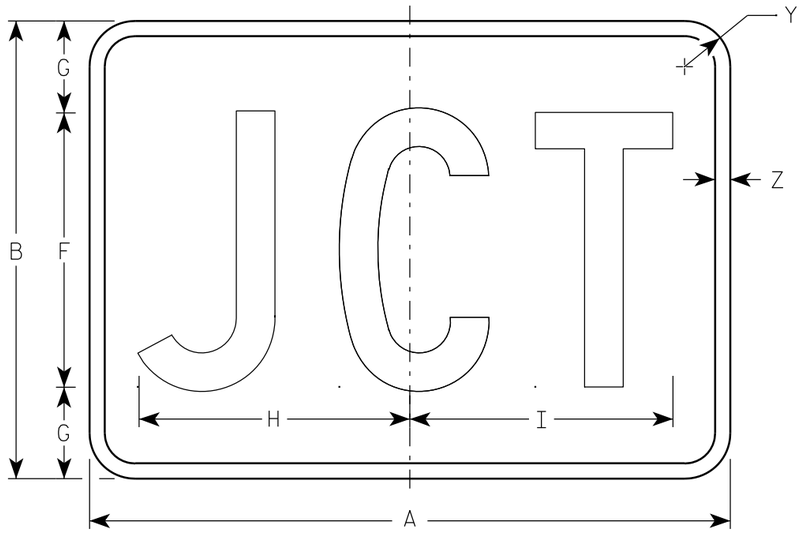
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 252	E



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   Message - Black
   MB2-1 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   MG2-1 Background - Green
   Message - White - Type H Reflective
   MK2-1 Background - Green
   Message - White - Type H Reflective
   MM2-1 Background - White - Type H Reflective
   Message - Green
   MN2-1 Background - Brown
   Message - White - Type H Reflective
   MR2-1 Background - Brown
   Message - Yellow - Type H Reflective

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

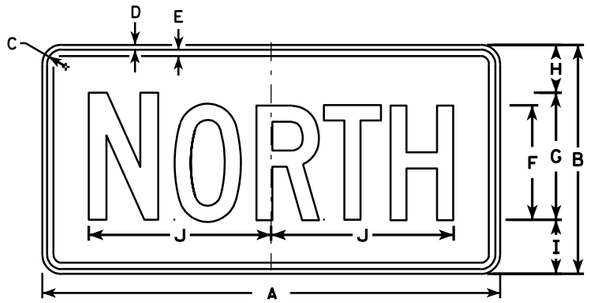
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

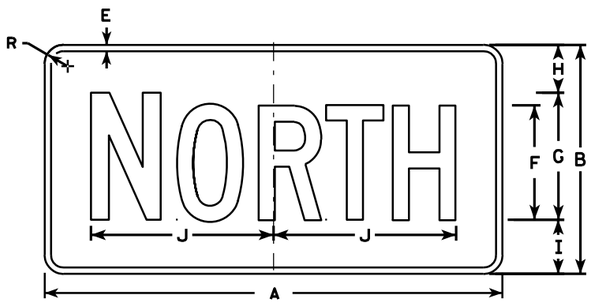
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M2-1.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E



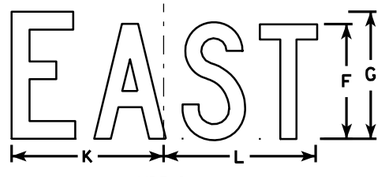
M3-1
MK3-1
MO3-1



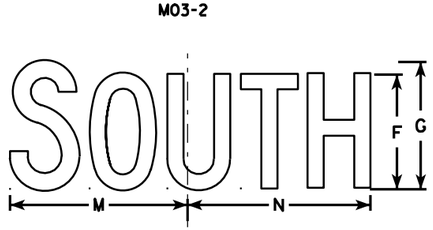
MB3-1
MG3-1
MM3-1
MN3-1



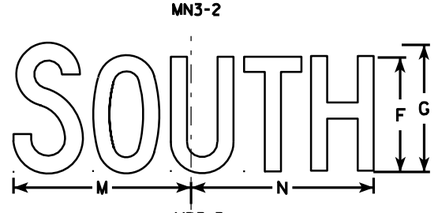
M3-2
MK3-2
MO3-2



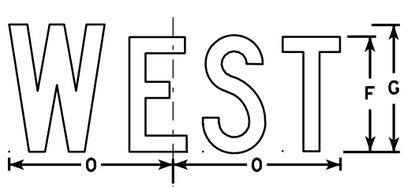
MB3-2
MG3-2
MM3-2
MN3-2



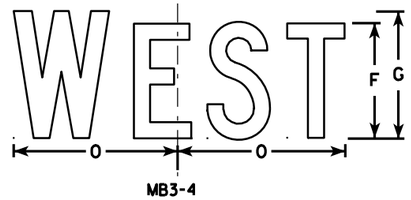
M3-3
MK3-3
MO3-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
MO3-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green
   Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green
   Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White - Type H Reflective
   M03-1 thru M03-4 Background - Orange - Reflective
   Message - Black
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

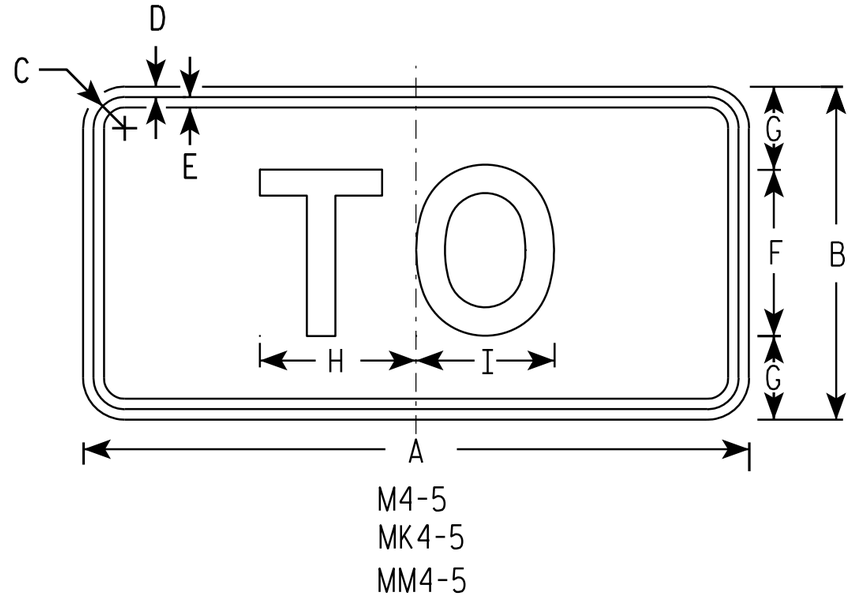
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

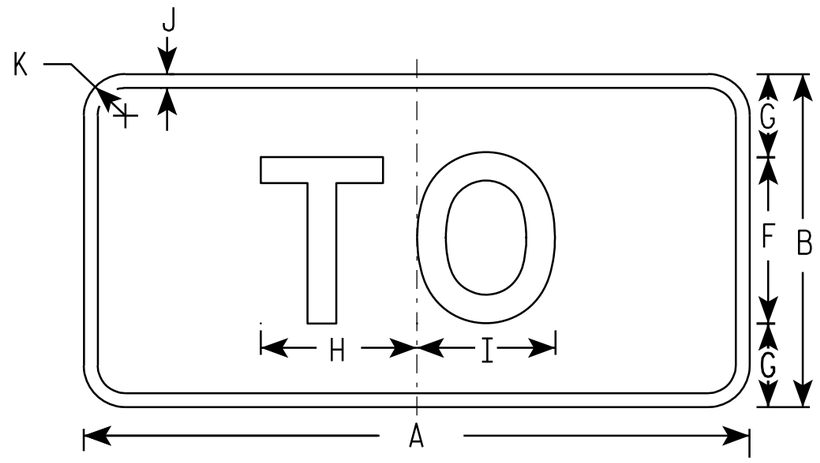
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 254	E



M4-5
MK4-5
MM4-5



MB4-5
MG4-5
MN4-5

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White - Type H Reflective (Detour or temporary Signs - Reflective)
   Message - Black
   MB4-5 Background - Blue
   Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG4-5 Background - Green
   Message - White - Type H Reflective
   MK4-5 Background - Green
   Message - White - Type H Reflective
   MM4-5 Background - White - Type H Reflective
   Message - Green
   MN4-5 Background - Brown
   Message - White - Type H Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

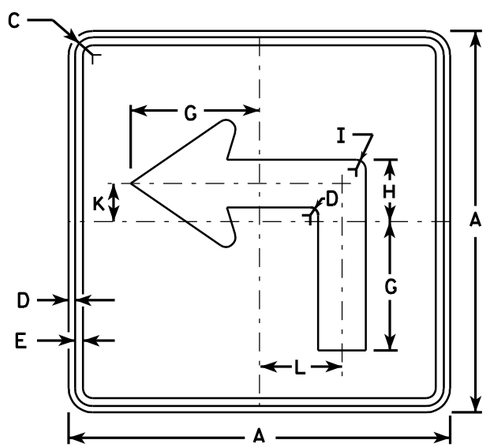
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

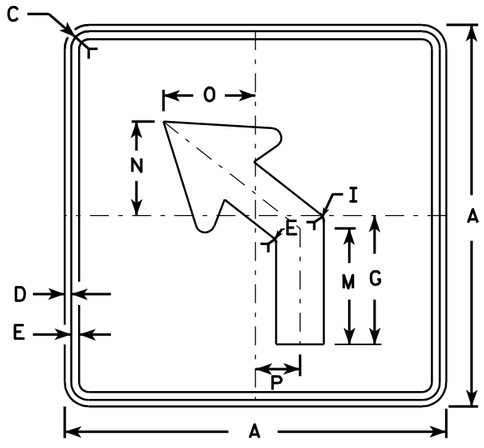
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-5.6

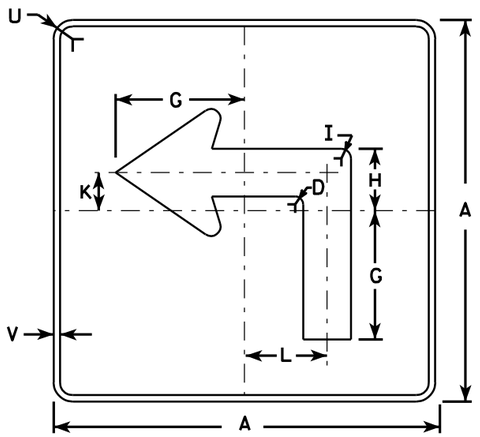
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 255 | E



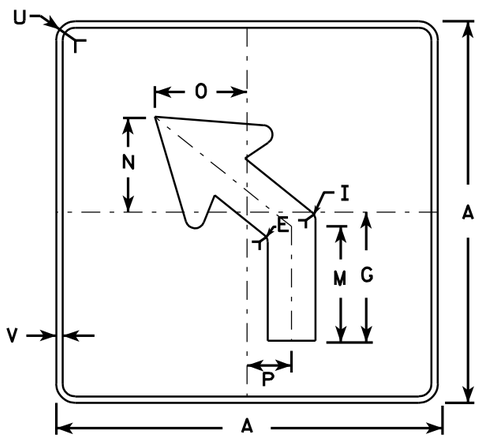
M5-1L
MK5-1L
MM5-1L
MO5-1L
MR5-1L



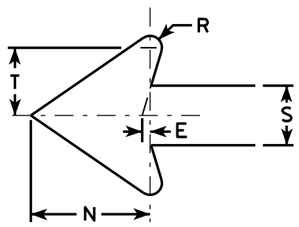
M5-2L
MK5-2L
MM5-2L
MO5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White - Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
   MB5-1 and MB5-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG5-1 and MG5-2 Background - Green Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective Message - Green
   MN5-1 and MN5-2 Background - Brown Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - Reflective Message - Black
   MR5-1 and MR5-2 Background - Brown Message - Yellow - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56

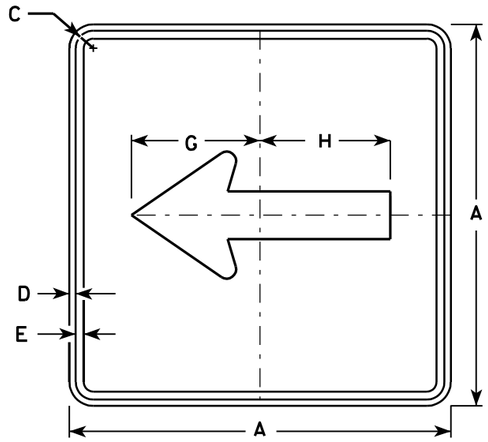
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

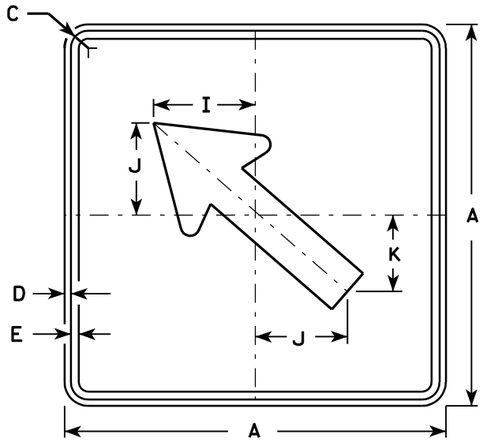
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M5-1.11

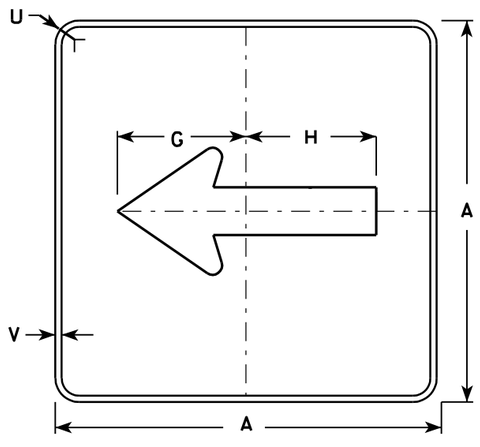
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E



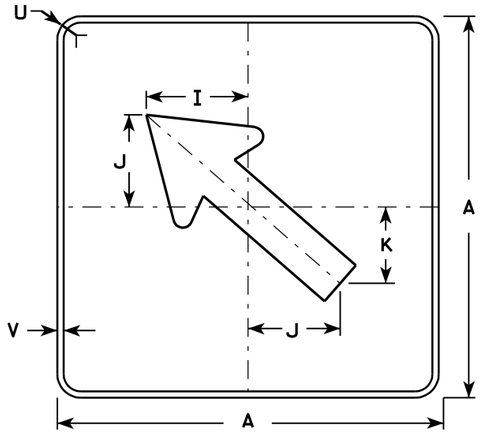
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MR6-2



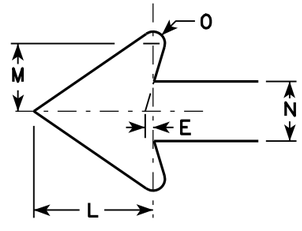
MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White - Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
   MB6-1 and MB6-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG6-1 and MG6-2 Background - Green Message - White - Type H Reflective
   MK6-1 and MK6-2 Background - Green Message - White - Type H Reflective
   MM6-1 and MM6-2 Background - White - Type H Reflective Message - Green
   MN6-1 and MN6-2 Background - Brown Message - White - Type H Reflective
   MO6-1 and MO6-2 Background - Orange - Reflective Message - Black
   MR6-1 and MR6-2 Background - Brown Message - Yellow - Type H Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

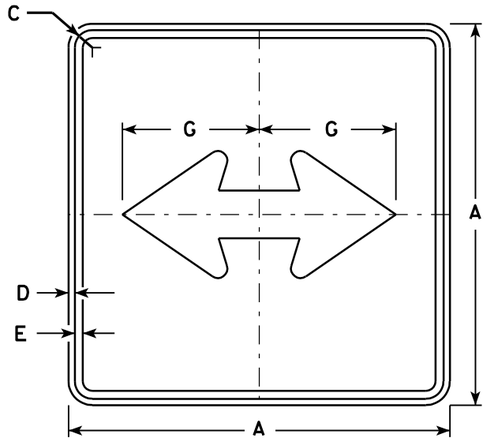
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

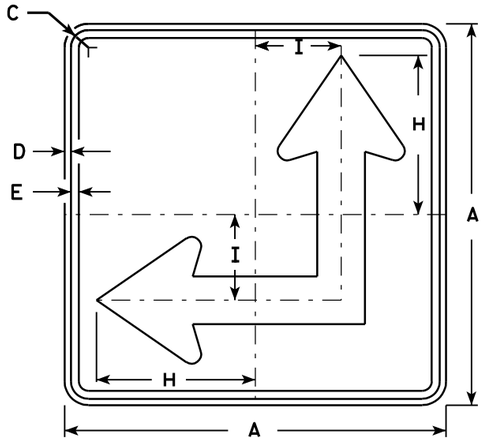
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

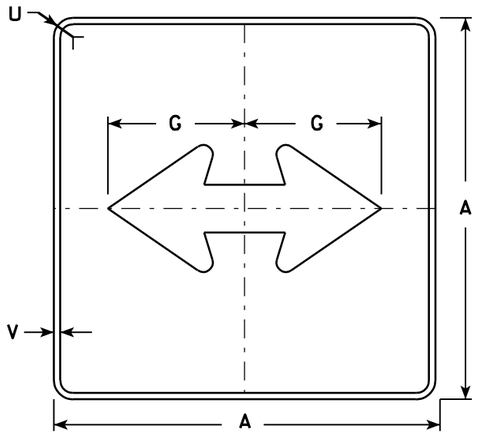
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E



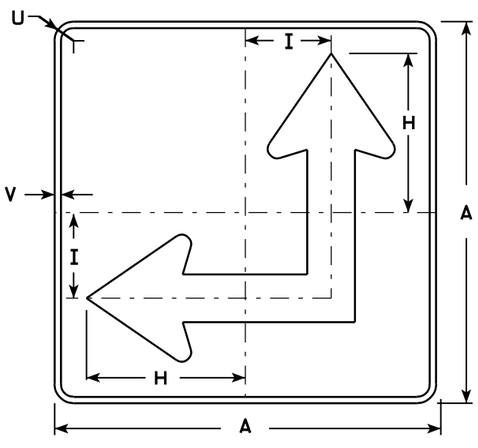
M6-4
MK6-4
MM6-4
MO6-4
MR6-4



M6-6
MK6-6
MM6-6
MO6-6
MR6-6



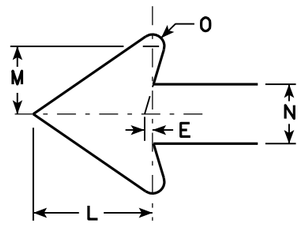
MB6-4
MG6-4
MN6-4



MB6-6
MG6-6
MN6-6

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   MG6-4 and MG6-6 Background - Green
   Message - White - Type H Reflective
   MK6-4 and MK6-6 Background - Green
   Message - White - Type H Reflective
   MM6-4 and MM6-6 Background - White - Type H Reflective
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White - Type H Reflective
   MO6-4 and MO6-6 Background - Orange - Reflective
   Message - Black
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow - Type H Reflective
5. M6-6R same as M6-6L except arrow points ahead and right.



Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

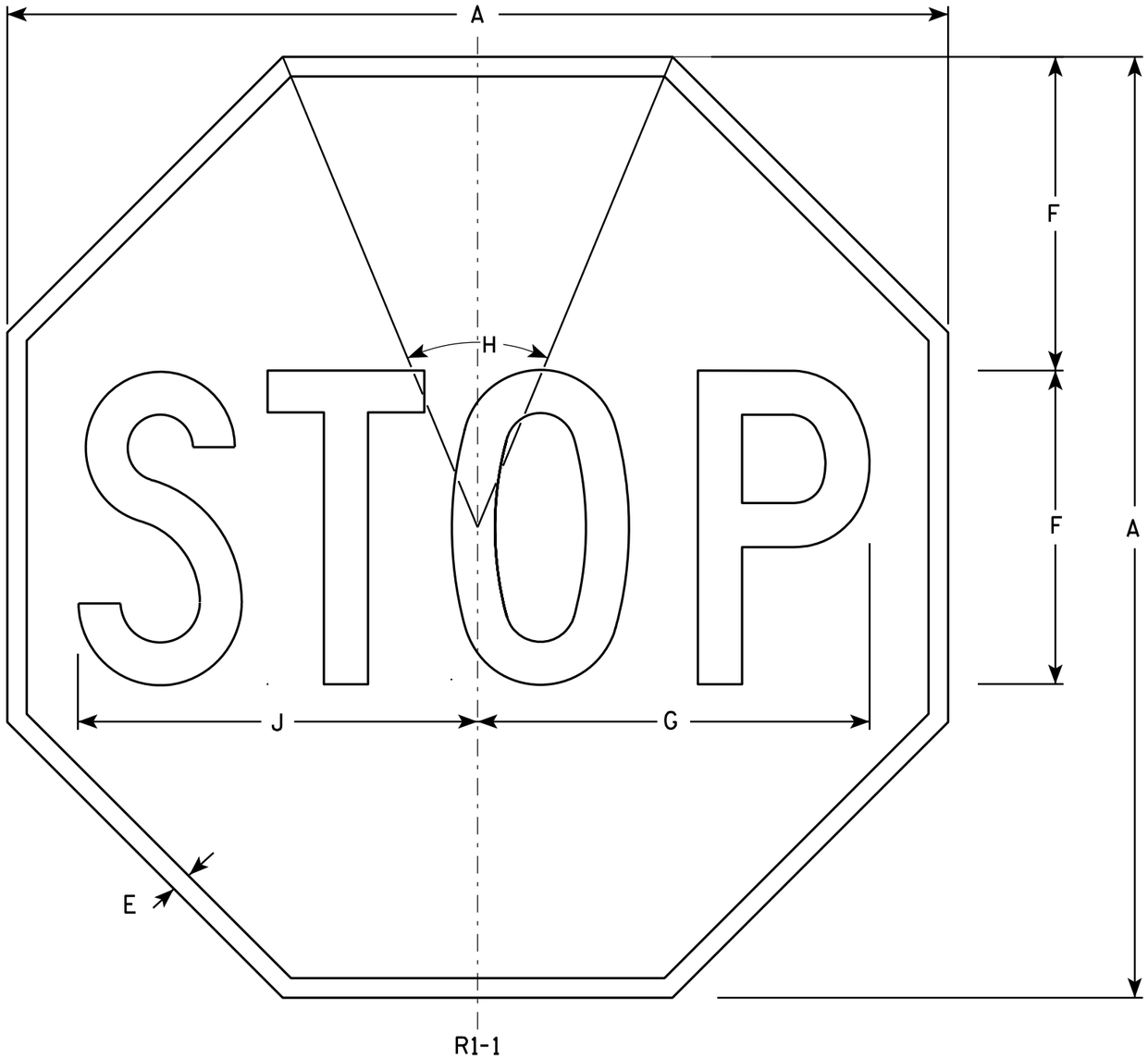
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-4.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 258	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

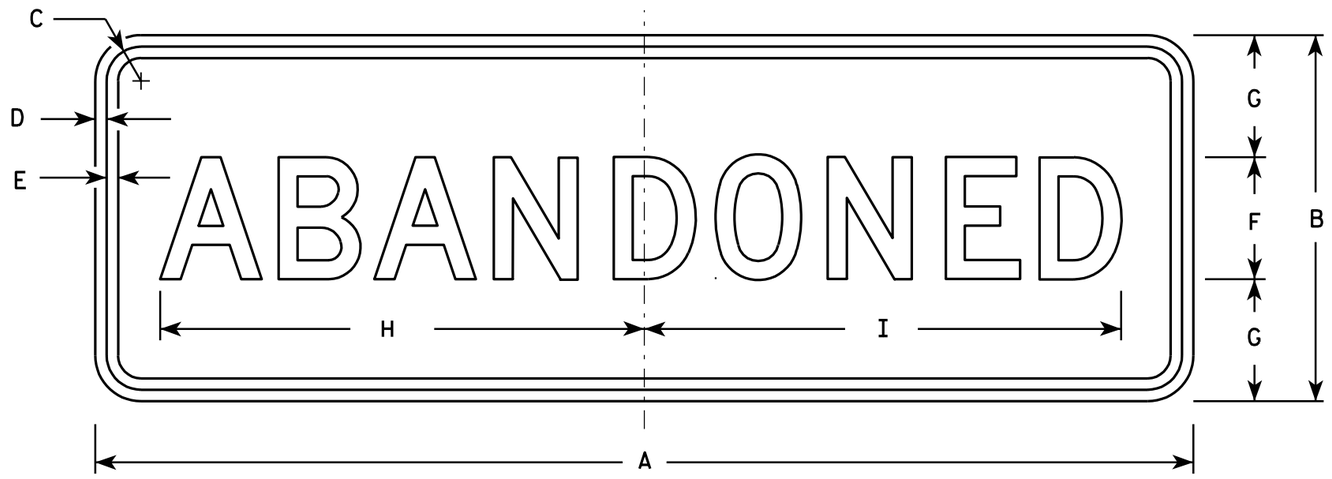
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 259	E



R15-4

NOTES

1. Sign is Type II - Type H Reflective -reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

Metric equivalent for this sign is:

SIZE	
1	
2	900 mm X 300 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	36	12	1 1/8	3/8	3/8	4	4	15 7/8	15 5/8																		3.0	.27
3																												
4																												
5																												

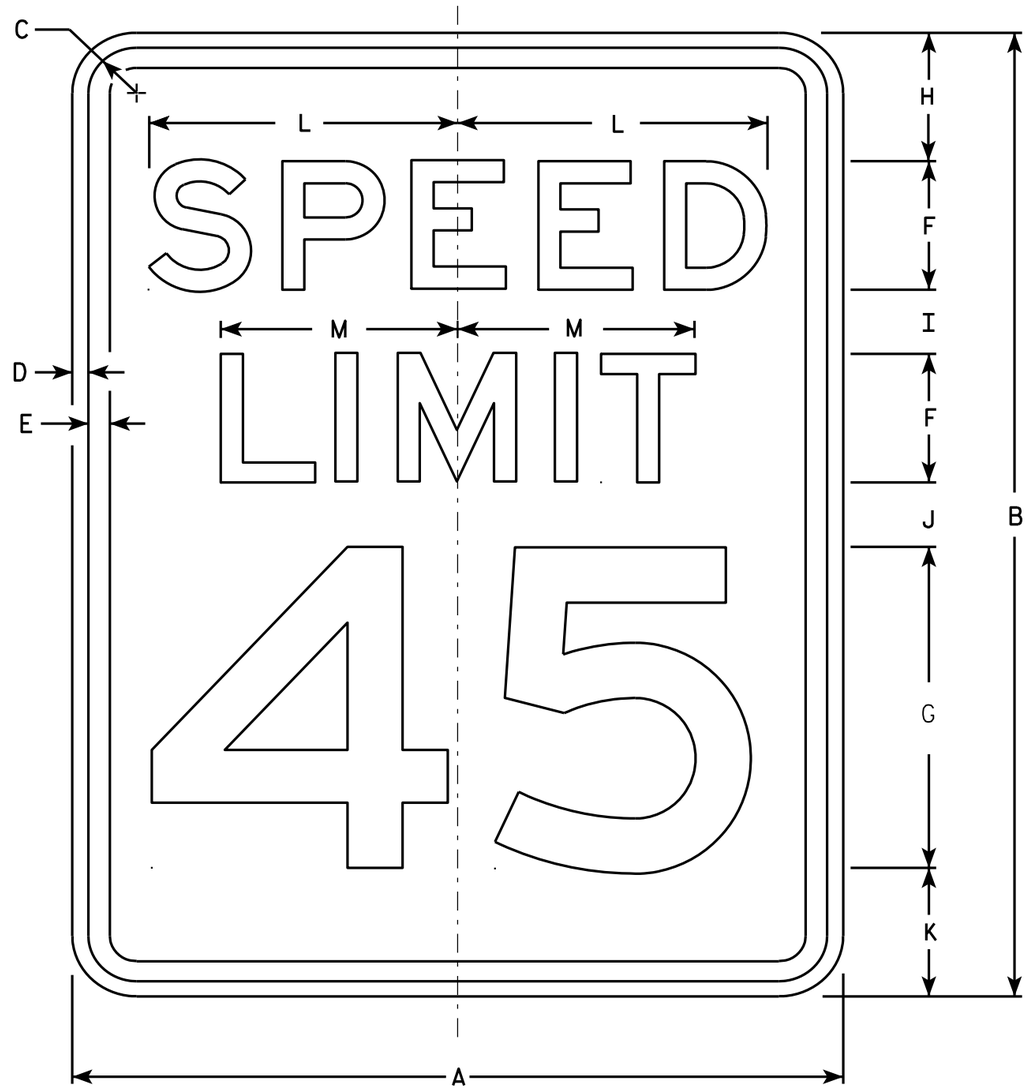
STANDARD SIGN
R15-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spagg for State Traffic Engineer

DATE 1/25/02 PLATE NO. R15-4.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

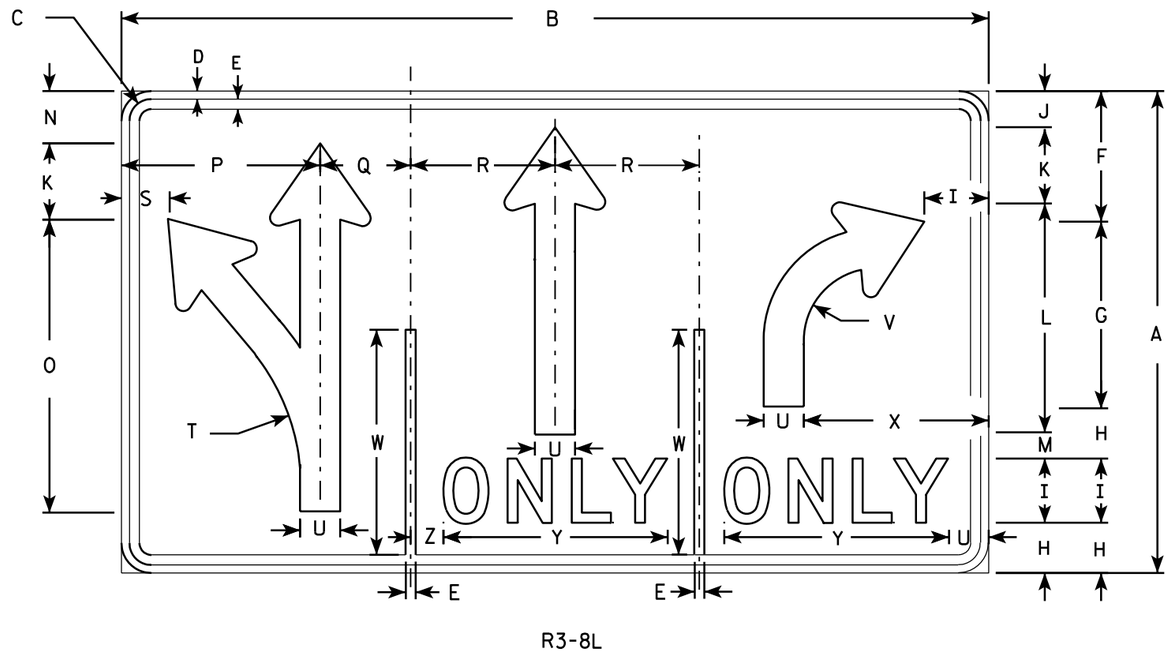
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 | E

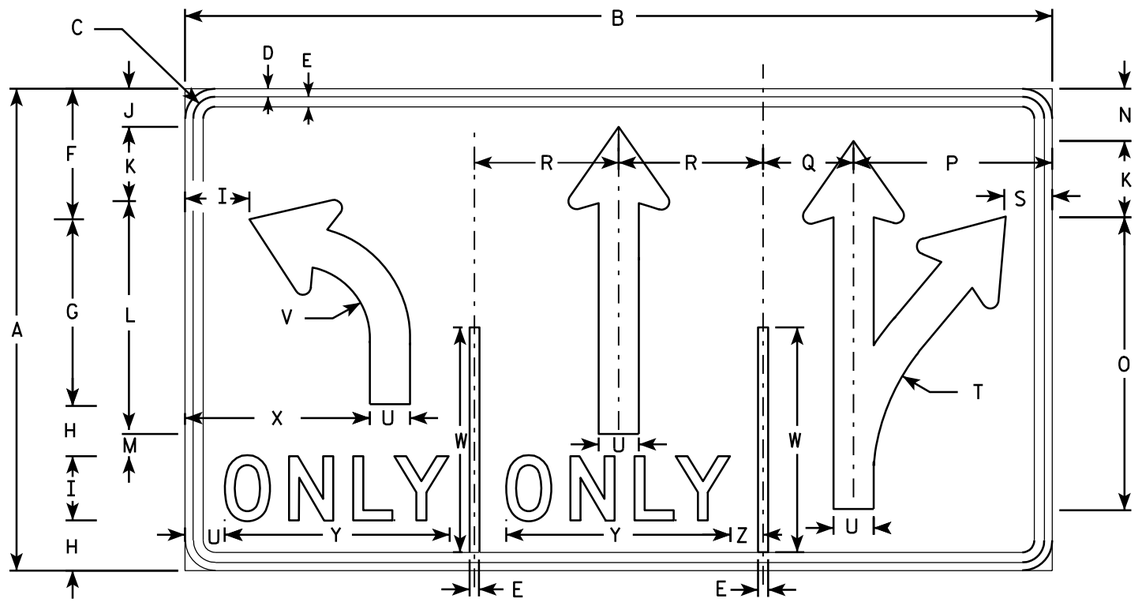


R3-8L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SEE R3-8 FOR ARROW DETAIL



R3-8M

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
3																											
4	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0
5	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0

STANDARD SIGN
R3-8L & R3-8M

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

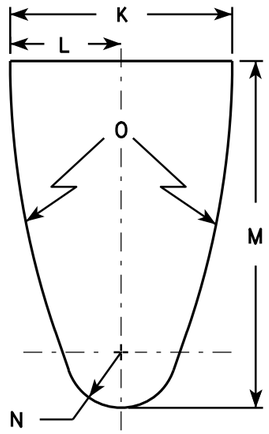
DATE 3/21/2011 PLATE NO. R3-8L.2

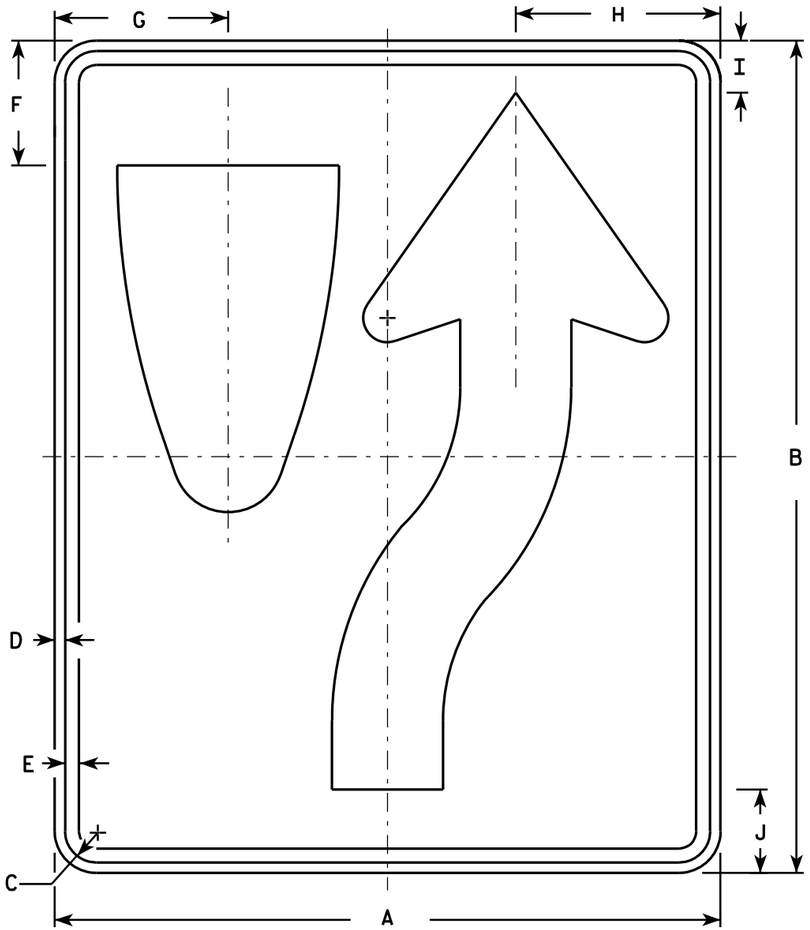
PROJECT NO:

SHEET NO: 262 E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R38L.DGN PLOT DATE : 21-MAR-2011 14:39 PLOT BY : mscsja PLOT NAME :

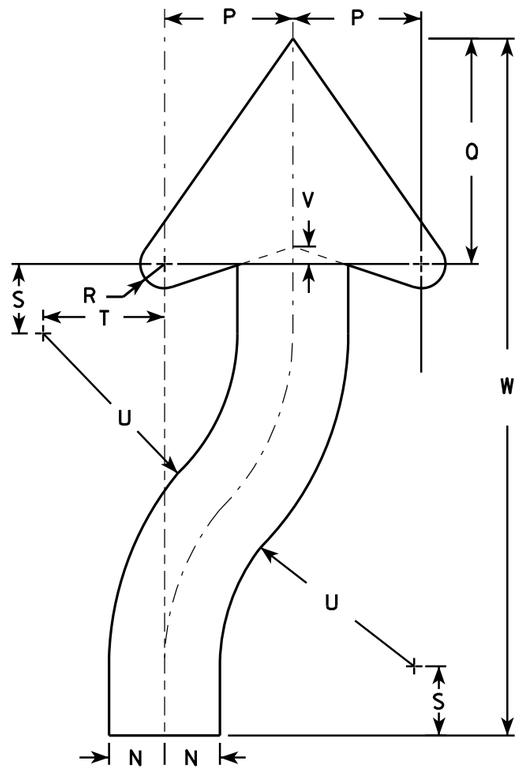




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

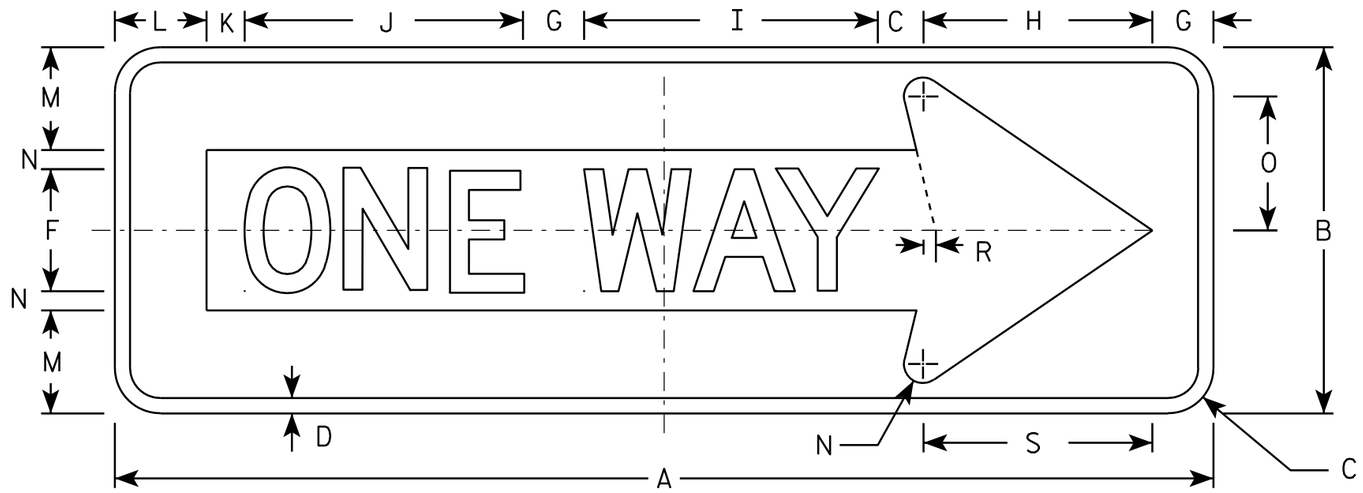
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

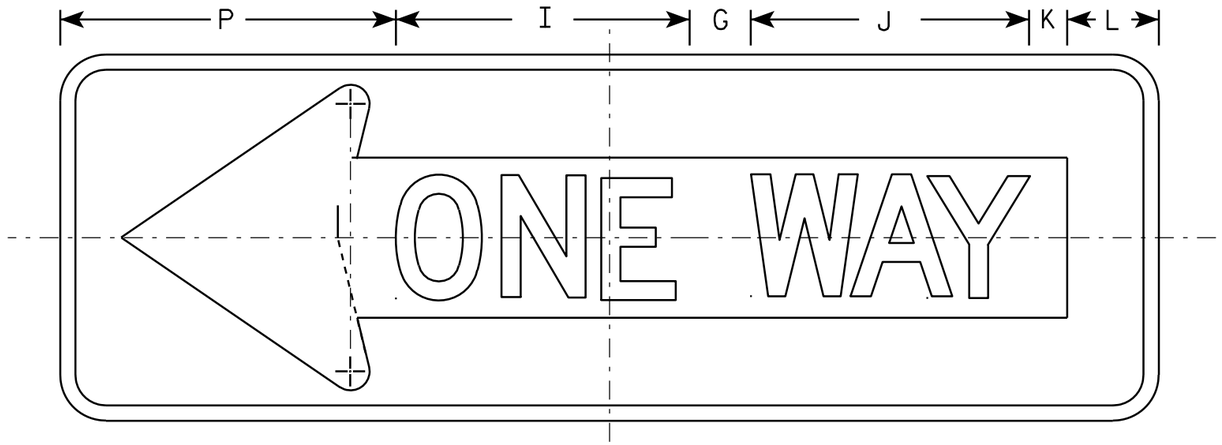
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 263	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

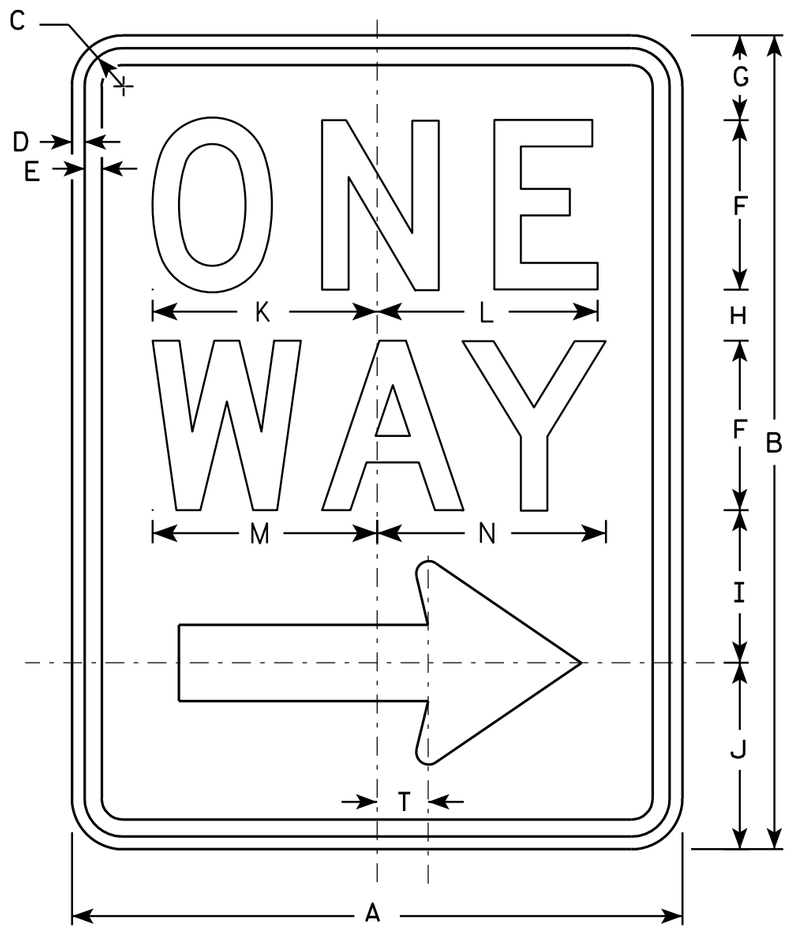
DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO: 264 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R61.DGN PLOT DATE : 17-DEC-2010 14:11 PLOT BY : dotsja

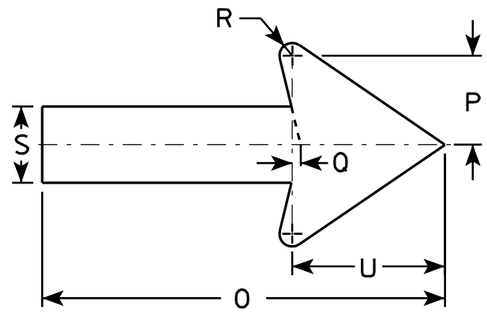
WISDOT/CADDS SHEET 42



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

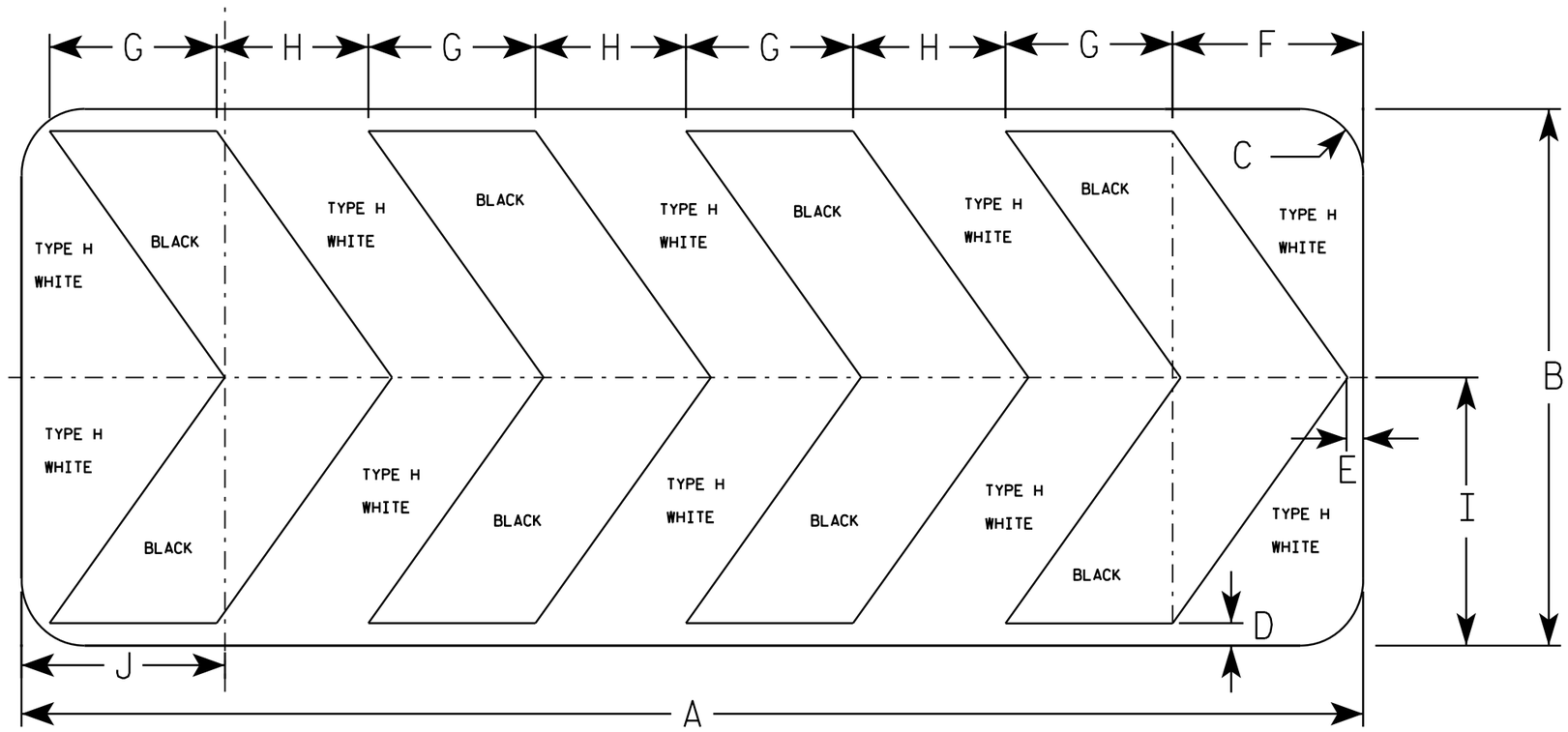
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 265 | E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	2 1/4	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	2 1/4	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/03/11 PLATE NO. R6-4B.2

PROJECT NO:

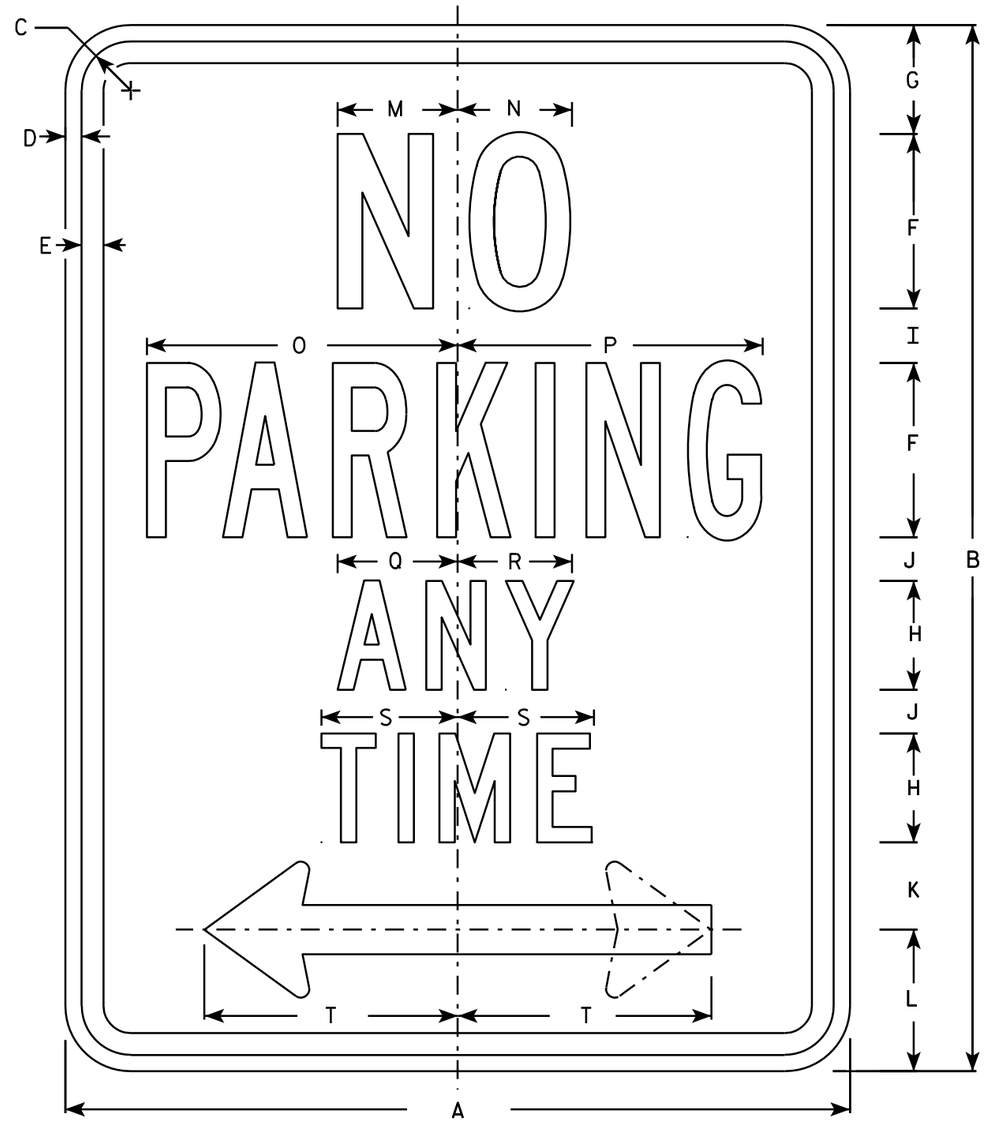
SHEET NO: 266 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R64B.DGN PLOT DATE : 03-JAN-2011 14:30 PLOT BY : dotsja

WISDOT/CADDS SHEET 42

7

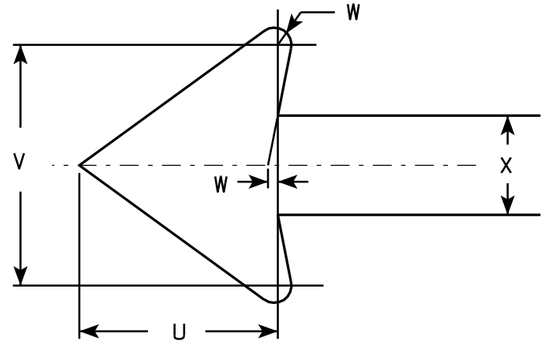
7



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

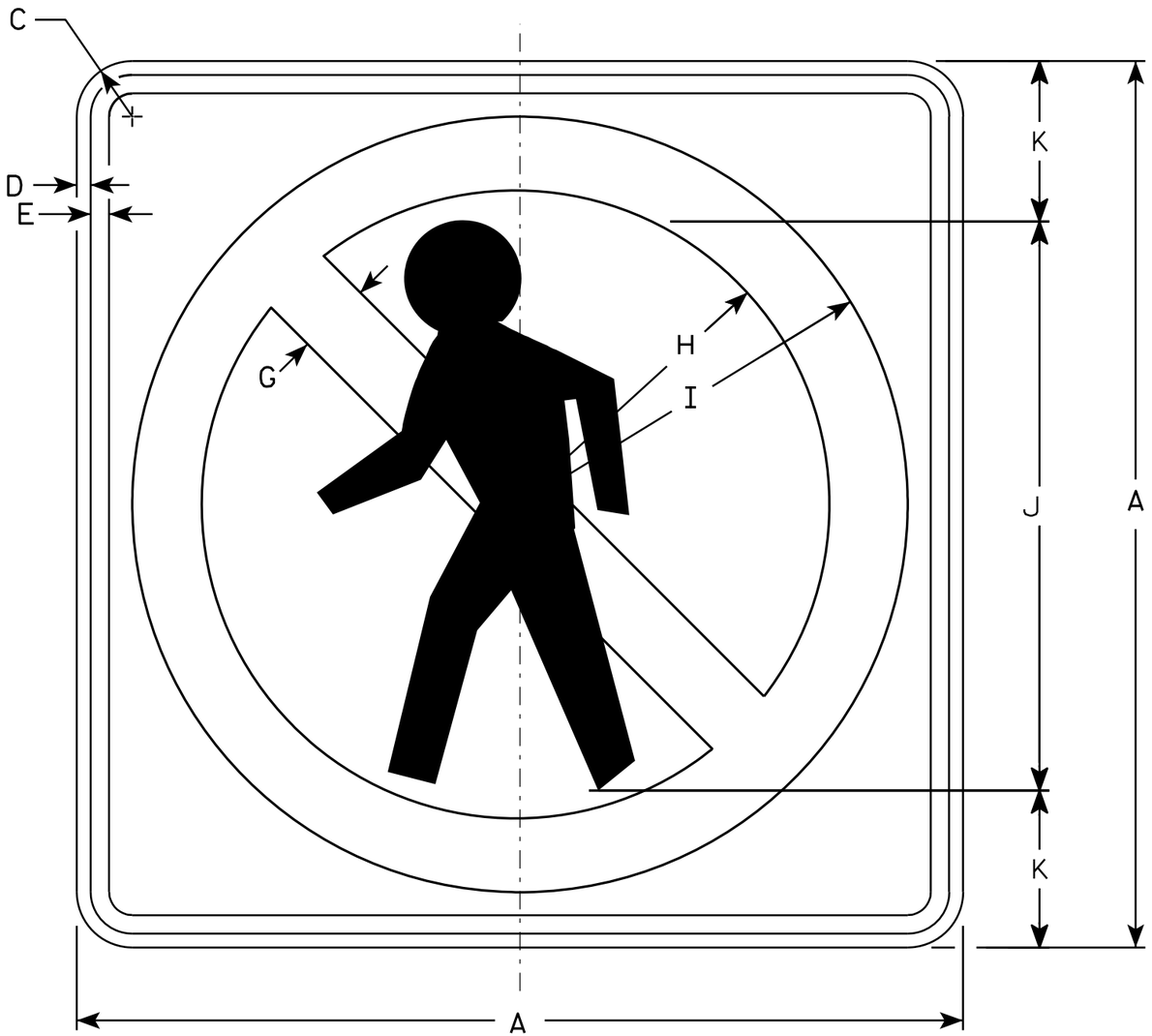
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 267 | E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

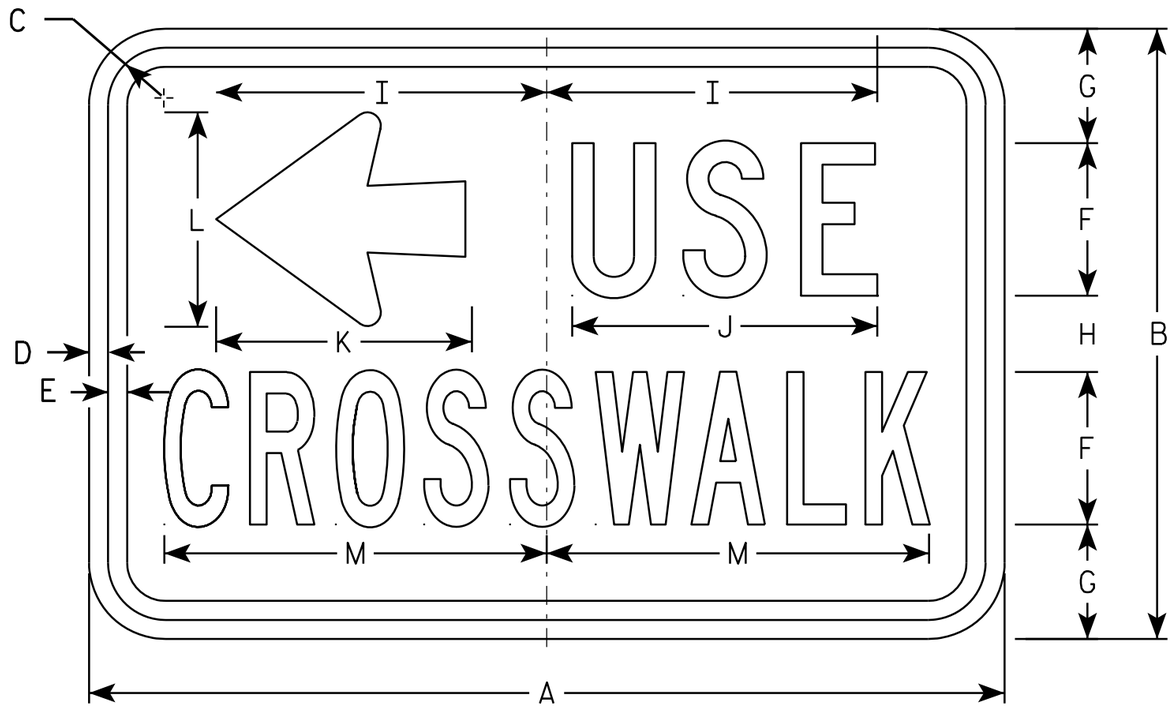
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 | E



R9-3BL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	
2	450 mm X 300 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	18	12	1⅛	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5	0.14
3																												
4																												
5																												

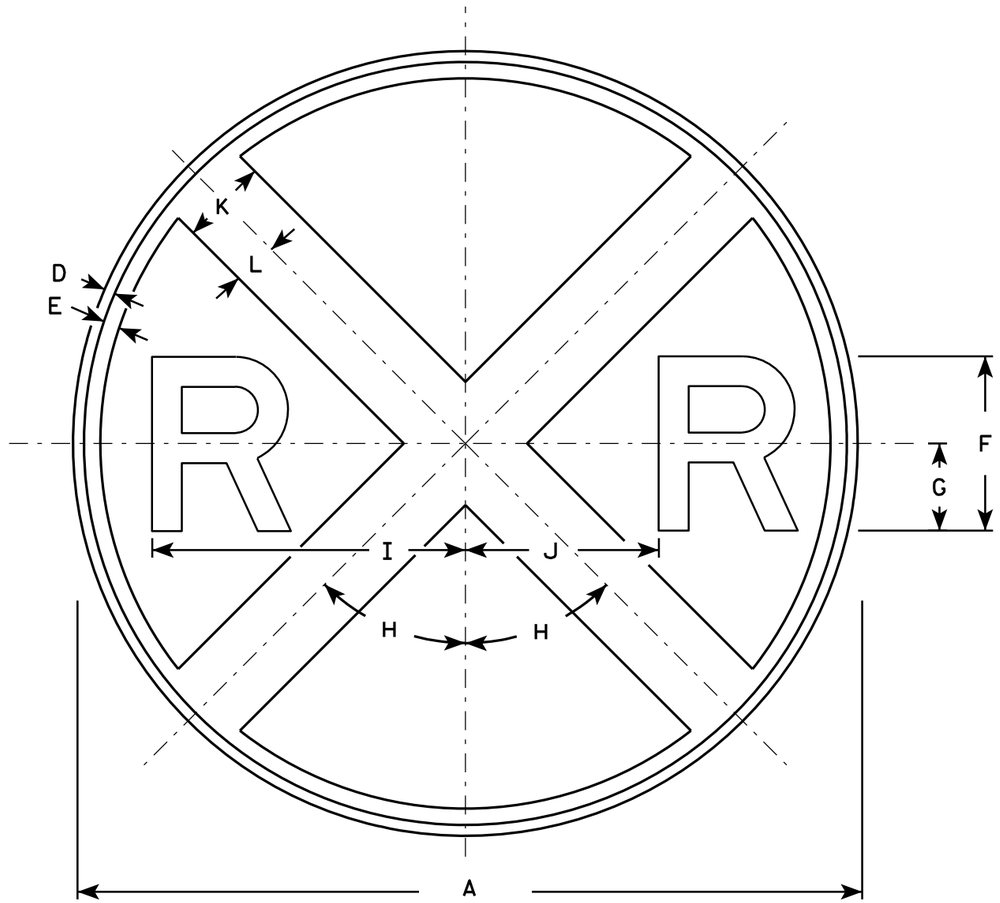
STANDARD SIGN
R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/05/09 PLATE NO. R9-3BL.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 269 | E



W10-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

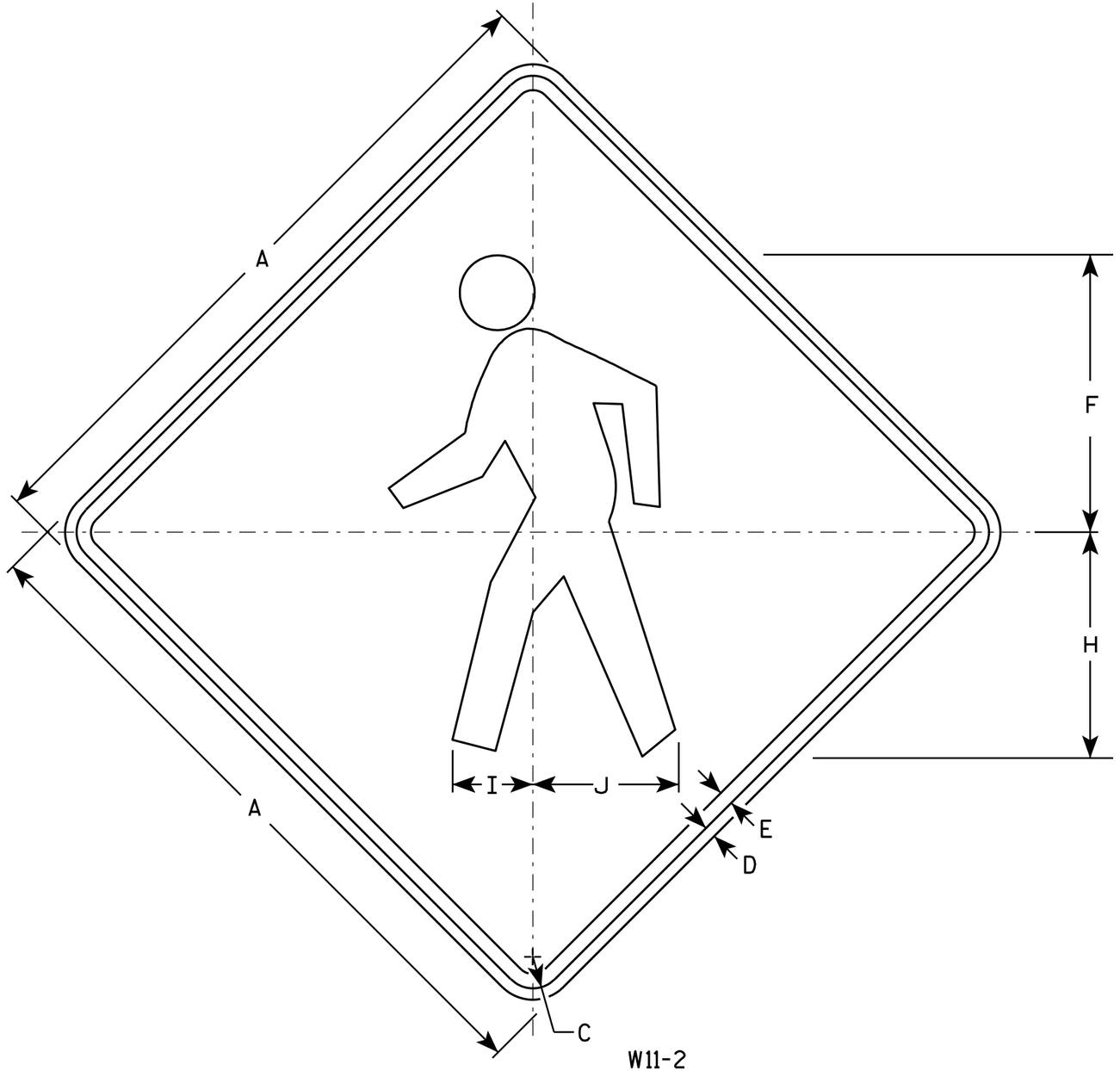
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/15/11 PLATE NO. W10-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 270	E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

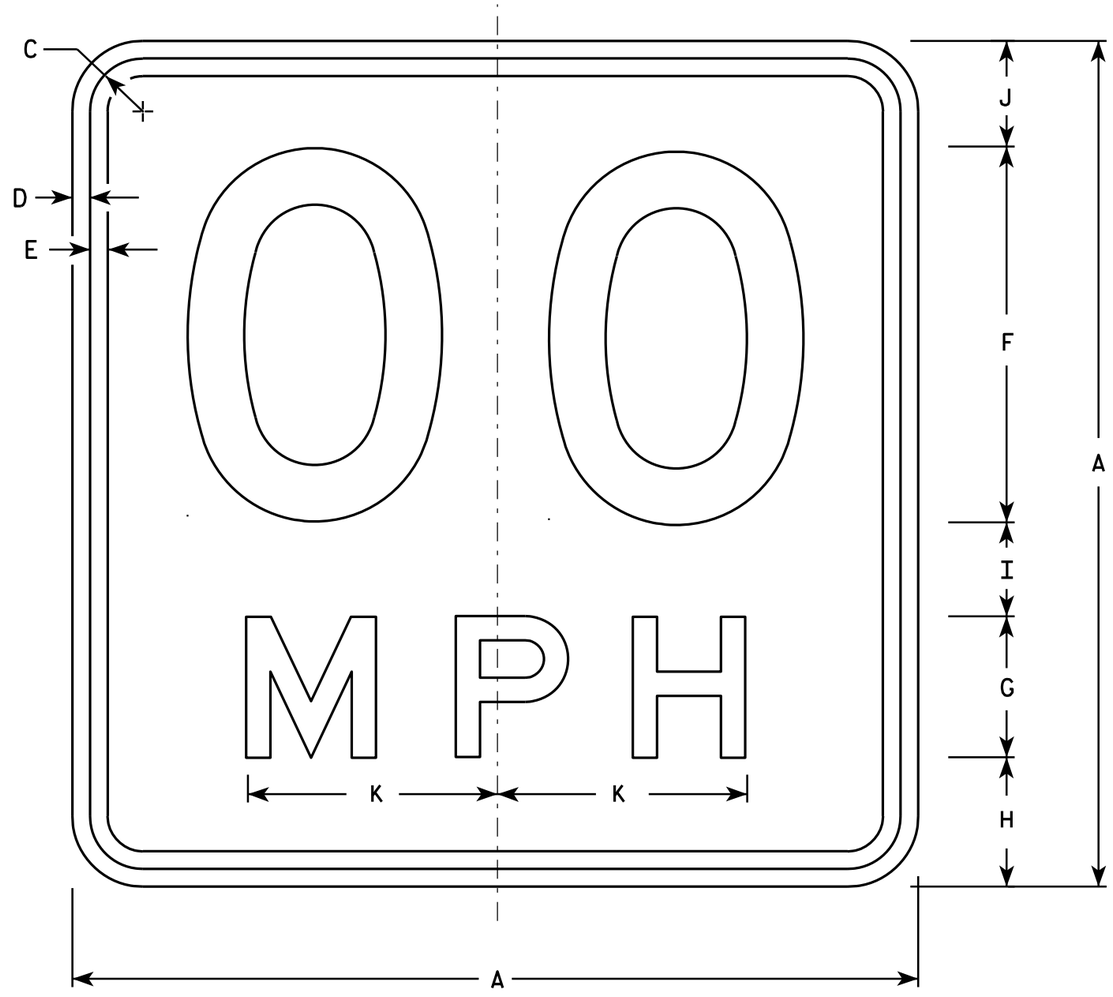
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

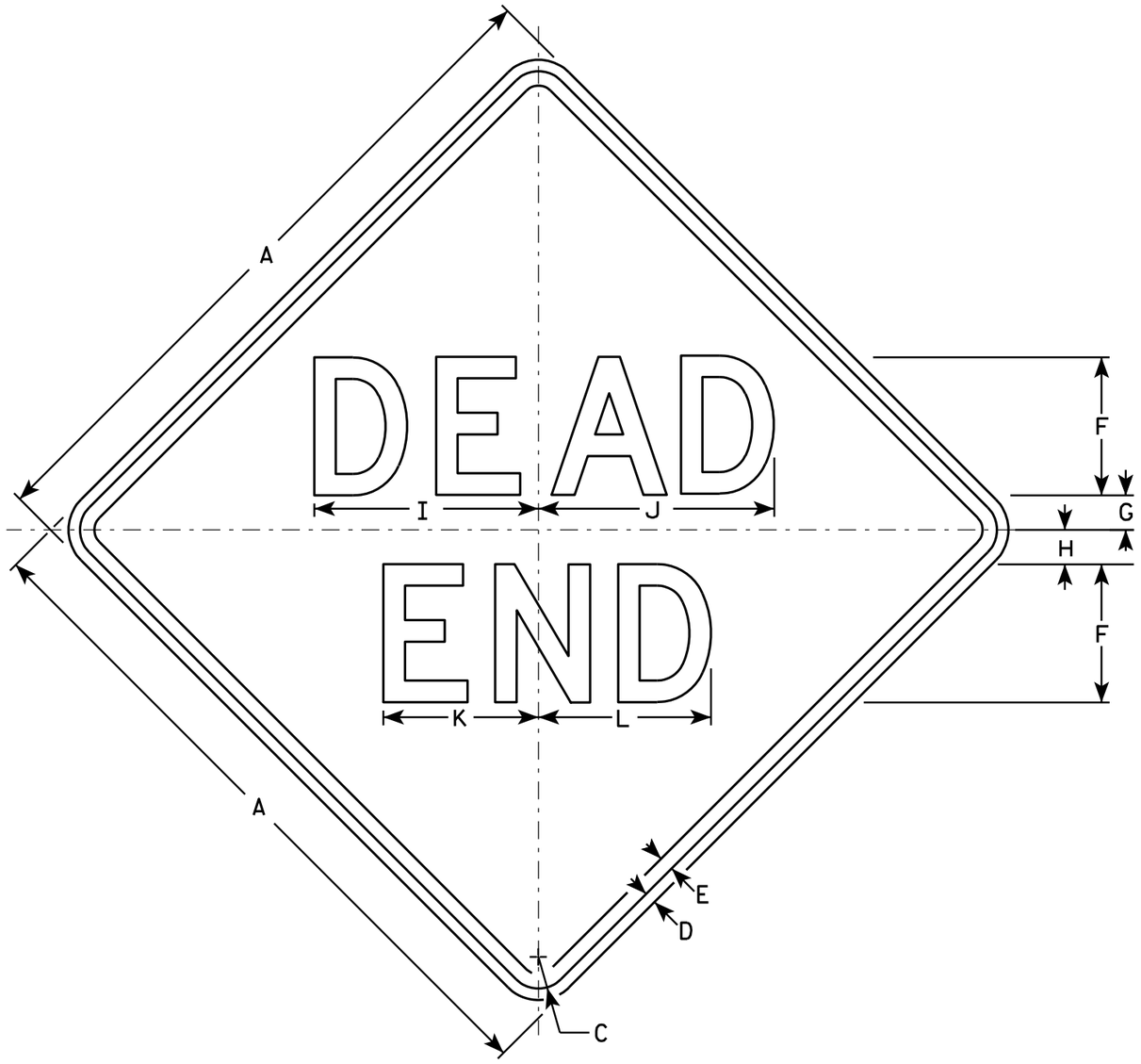
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E



W14-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

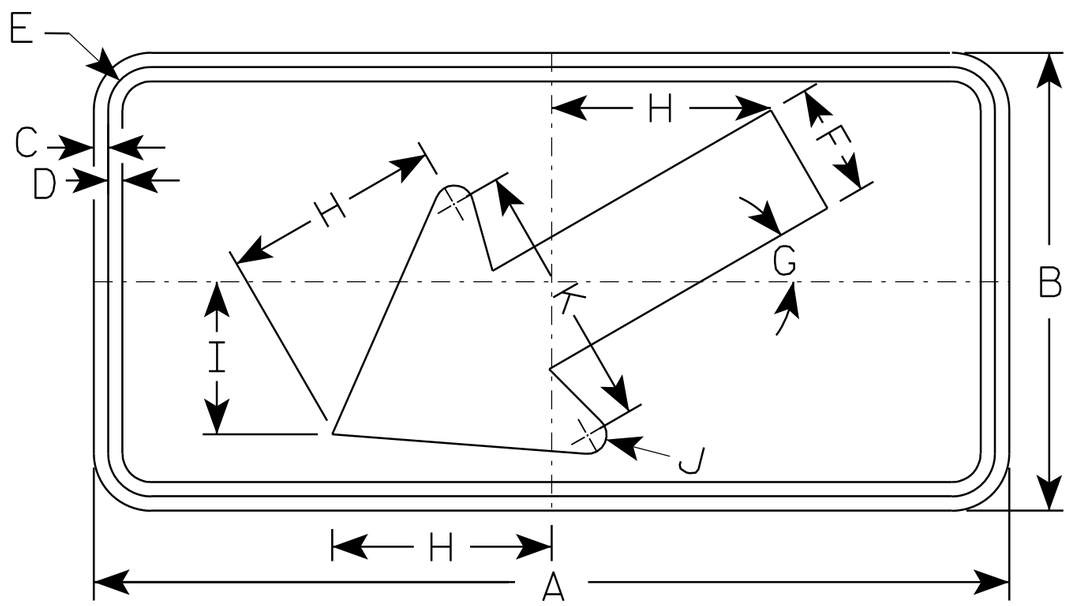
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

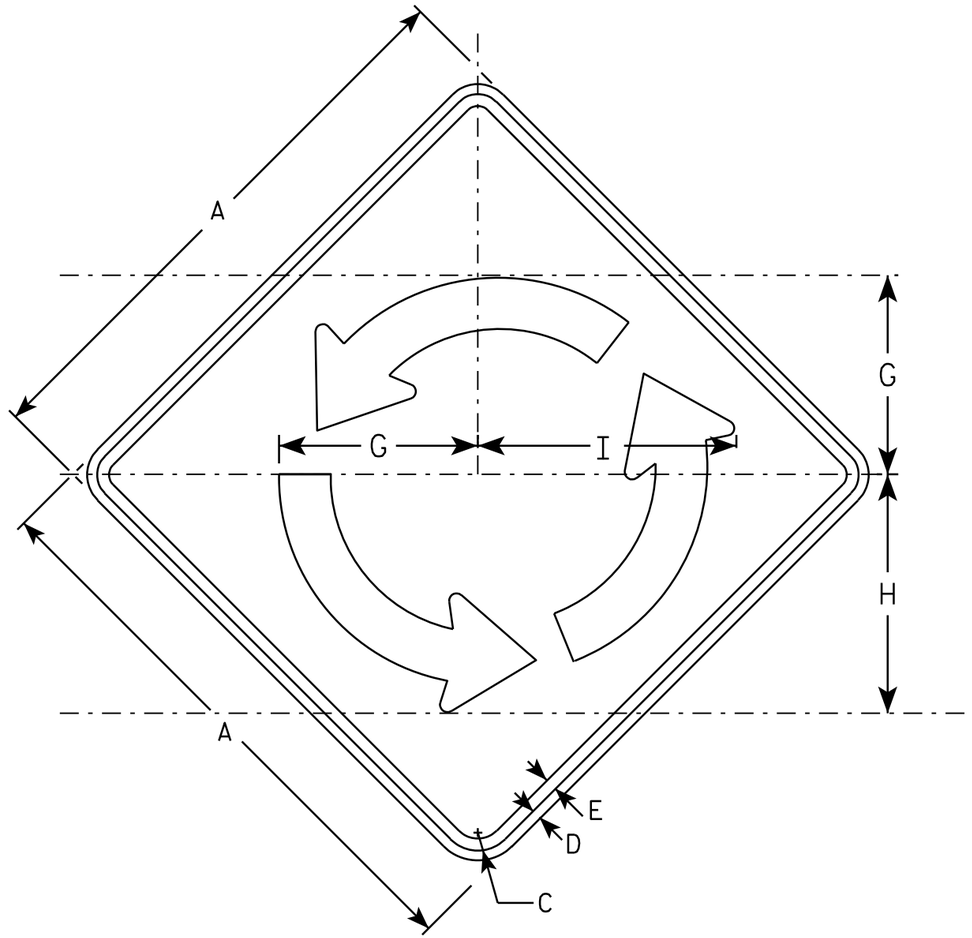
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

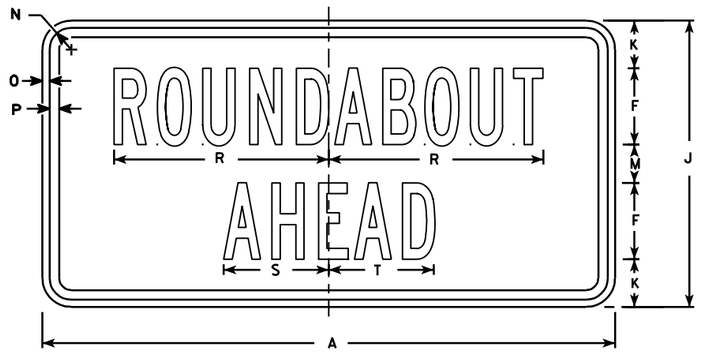
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E



W2-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W2-6P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	W2-6 Area sq. ft.	W2-6P Area sq. ft.
1																										
2S	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
2M	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
3	36		1 5/8	5/8	3/4	5	12 1/2	15	16 1/4	18	2 5/8		2 3/4	1 1/8	3/8	1/2		14	7	6 3/4					9.00	4.50
4	48		2 1/4	3/4	1	6	16 5/8	20	16 1/4	24	4 3/8		3 5/8	1 3/8	1/2	5/8		17	8 1/4	8 1/4					16.0	8.0
5																										

STANDARD SIGN
W2-6

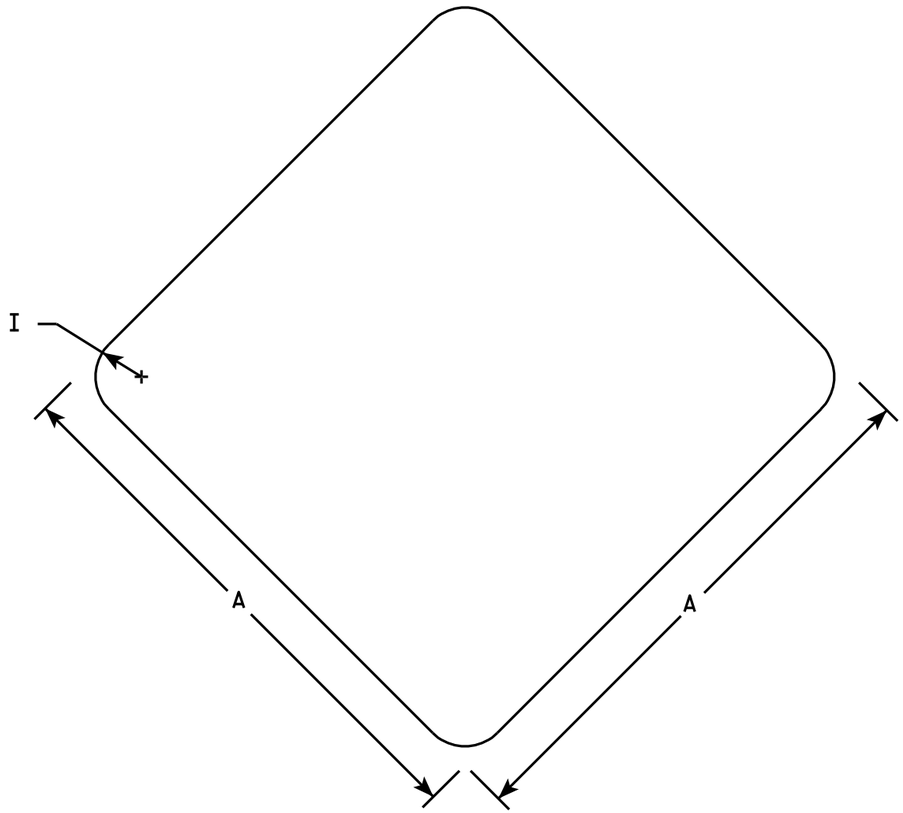
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

SHEET NO: 275 E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E

EARTHWORK PROJECT I.D. 5020-05-71 CAT 0020 (Grayside Avenue/Union Street)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
142+50	14250		86	0	0	0	0	0	0	0	0
142+98	14298	48	152	0	0	211	0	0	211	0	211
143+00	14300	2	155	0	0	11	0	0	222	0	222
143+50	14350	50	68	0	2	206	0	2	429	2	426
144+00	14400	50	63	0	2	121	0	4	549	7	543
144+50	14450	50	67	0	2	120	0	4	669	12	657
145+00	14500	50	65	0	1	122	0	3	791	17	775
145+15	14515	15	71	0	2	38	0	1	829	18	811
145+49	14549	33.81	67	0	1	86	0	2	915	20	895
145+50	14550	1.19	67	0	1	3	0	0	918	20	898
146+00	14600	50	115	0	1	169	0	2	1087	22	1065
146+50	14650	50	128	0	0	225	0	1	1312	23	1289
147+00	14700	50	137	0	0	246	0	0	1558	24	1535
147+50	14750	50	163	0	0	278	0	0	1837	24	1813
148+00	14800	50	156	0	0	295	0	0	2132	24	2108
148+50	14850	50	117	0	3	252	0	3	2384	28	2357
149+00	14900	50	108	0	3	208	0	5	2593	34	2558
149+50	14950	50	122	0	1	213	0	3	2806	39	2767
150+00	15000	50	71	0	1	179	0	2	2985	41	2944
150+47	15047	46.81	53	0	6	108	0	6	3092	49	3044
150+50	15050	3.19	52	0	7	6	0	1	3099	50	3049
151+00	15100	50	50	0	5	94	0	11	3193	63	3130
151+50	15150	50	54	0	3	96	0	7	3289	72	3217
152+00	15200	50	53	0	4	99	0	6	3388	80	3309
152+50	15250	50	56	0	2	101	0	5	3490	86	3403
153+00	15300	50	70	0	1	117	0	2	3607	89	3518
153+50	15350	50	274	0	0	319	0	0	3925	90	3836
153+60	15360	10	301	0	0	106	0	0	4032	90	3942
153+72	15372	11.87	85	0	0	85	0	0	4116	90	4027
154+00	15400	28.13	88	0	1	90	0	0	4206	90	4116
154+50	15450	50	60	0	1	137	0	1	4344	91	4252
154+80	15480	30	59	0	1	66	0	1	4409	93	4317
155+00	15500	20	57	0	1	43	0	1	4452	94	4359
155+29	15529	29	58	0	2	62	0	1	4514	96	4419
155+50	15550	21	56	0	2	44	0	1	4558	97	4461
155+68	15568	18	58	0	2	38	0	1	4596	98	4498
156+00	15600	32	58	0	2	69	0	2	4665	101	4564
156+50	15650	50	60	0	1	109	0	3	4774	105	4670
157+00	15700	50	50	0	3	103	0	4	4877	109	4767
157+13	15713	13	82	0	2	32	0	1	4909	111	4798
157+33	15733	20	53	0	3	50	0	2	4959	113	4846
157+50	15750	17	51	0	2	33	0	2	4991	115	4877
158+00	15800	50	52	0	3	95	0	5	5087	121	4966
158+36	15836	36	53	0	7	70	0	7	5157	130	5027
158+50	15850	14	47	0	9	26	0	4	5183	135	5048
158+81	15881	31	45	0	13	53	0	12	5236	151	5085
159+00	15900	19	40	0	23	30	0	13	5266	166	5100
159+25	15925	25	55	0	15	44	0	17	5311	188	5122
159+50	15950	25	70	0	12	58	0	12	5368	204	5165
159+87	15987	37	22	0	19	63	0	22	5432	231	5201
160+00	16000	13	73	0	33	23	0	13	5454	247	5208
160+35	16035	35	72	0	27	94	0	39	5548	295	5253
160+50	16050	15	72	0	41	40	0	19	5588	319	5269

160+74	16074	24	25	0	17	43	0	26	5631	350	5280
161+00	16100	26	31	0	34	27	0	24	5658	381	5277
161+50	16150	50	40	0	19	66	0	49	5724	442	5282
161+75	16175	25	49	0	8	41	0	12	5765	458	5307
162+00	16200	25	66	0	3	53	0	5	5818	464	5354
162+50	16250	50	97	0	1	150	0	3	5969	468	5501
162+58	16258	8	105	0	2	30	0	0	5999	469	5530
162+83	16283	25	146	0	0	116	0	1	6115	470	5645
163+00	16300	17	159	0	0	96	0	0	6211	470	5741
163+50	16350	50	81	0	2	222	0	2	6433	472	5961
163+75	16375	25	88	0	1	78	0	1	6510	473	6037
163+90	16390	14.68	82	0	1	46	0	1	6557	474	6082
164+00	16400	10.32	81	0	2	31	0	1	6588	475	6113
164+50	16450	50	78	0	1	148	0	3	6736	479	6257
165+00	16500	50	76	0	1	143	0	2	6879	481	6398
165+14	16514	14	78	0	1	40	0	0	6919	482	6437
165+50	16550	36	75	0	2	102	0	2	7021	485	6536
165+64	16564	13.53	81	0	2	39	0	1	7060	486	6574
165+94	16594	30.47	126	0	2	117	0	2	7177	488	6688
166+00	16600	6	124	0	2	28	0	0	7204	489	6716
166+50	16650	50	70	0	4	180	0	5	7384	495	6889
166+68	16668	18	70	0	3	47	0	2	7430	497	6933
167+00	16700	32	68	0	4	82	0	4	7512	503	7010
167+14	16714	14	75	0	4	37	0	2	7549	505	7044
167+50	16750	36	68	0	3	95	0	4	7645	511	7134
167+80	16780	30	69	0	2	76	0	2	7721	514	7208
						7,721	0	411			

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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	EARTHWORK	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Planshts\Earthwork\Earthwork.dgn PLOT DATE : 8/9/2012 PLOT BY : bhulbregtse PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 49

EARTHWORK PROJECT I.D. 5020-05-71 Cat 0030 (Grayside Avenue)

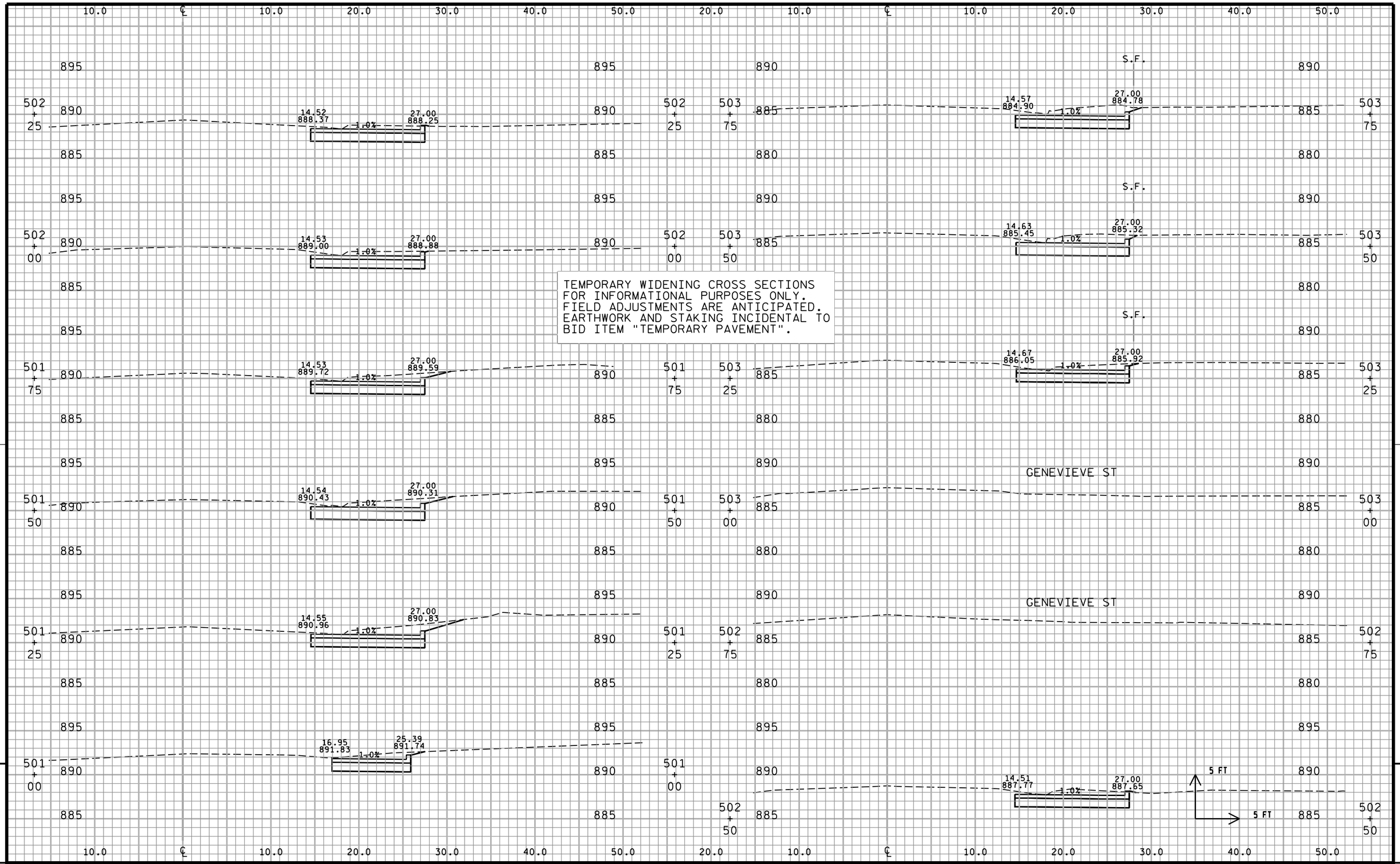
STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
136+79	13679		72	0	0	0	0	0	0	0	0
137+00	13700	21	121	0	0	76	0	0	76	0	76
137+31	13731	31	124	0	0	141	0	0	217	0	217
137+42	13742	11	125	0	0	49	0	0	266	0	266
137+50	13750	8	130	0	0	40	0	0	306	0	306
138+00	13800	50	138	0	1	248	0	1	554	1	553
	Roundabout		-	0	-	2944	0	1	3497	2	3496
141+00	14100		123	0	8	0	0	0	3497	2	3496
141+25	14125	25	100	0	5	103	0	6	3600	9	3591
141+50	14150	25	106	0	3	96	0	3	3696	13	3683
141+55	14155	4.77	106	0	3	19	0	0	3715	14	3701
142+00	14200	45.23	79	0	0	155	0	2	3870	17	3853
142+14	14214	14.4	87	0	0	44	0	0	3914	17	3897
142+50	14250	35.6	86	0	0	114	0	0	4028	18	4010
						4,028	0	14			

EARTHWORK PROJECT I.D. 5020-05-71 Cat 0030 (Division Street)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
500+94	50094	0	58	0	0	0	0	0	0	0	0
501+00	50100	6	58	0	0	13	0	0	13	0	13
501+50	50150	50	60	0	2	109	0	2	122	2	120
502+00	50200	50	70	0	1	121	0	2	243	5	238
502+50	50250	50	70	0	2	130	0	3	373	8	365
502+94	50294	44	112	0	1	148	0	2	521	11	510
503+00	50300	6	110	0	0	25	0	0	546	11	535
503+50	50350	50	73	0	0	170	0	1	716	12	704
503+78	50378	28	75	0	0	77	0	0	793	12	781
504+00	50400	22	74	0	0	60	0	0	853	12	841
504+10	50410	10	75	0	0	28	0	0	881	12	869
504+50	50450	40	71	0	0	108	0	0	989	12	976
						989	0	10			

EARTHWORK PROJECT I.D. 5020-05-71 Cat 0030 (Division Street)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
508+50	50850	0	139	0	0	0	0	0	0	0	0
508+61	50861	11	132	0	1	55	0	0	55	0	55
509+00	50900	39	121	0	0	183	0	1	238	2	236
509+04	50904	3.88	128	0	0	18	0	0	256	2	254
509+37	50937	33.12	110	0	0	146	0	0	402	2	400
509+50	50950	13	113	0	0	54	0	0	456	2	454
509+68	50968	18.26	112	0	1	76	0	0	532	2	530
						532	0	2			



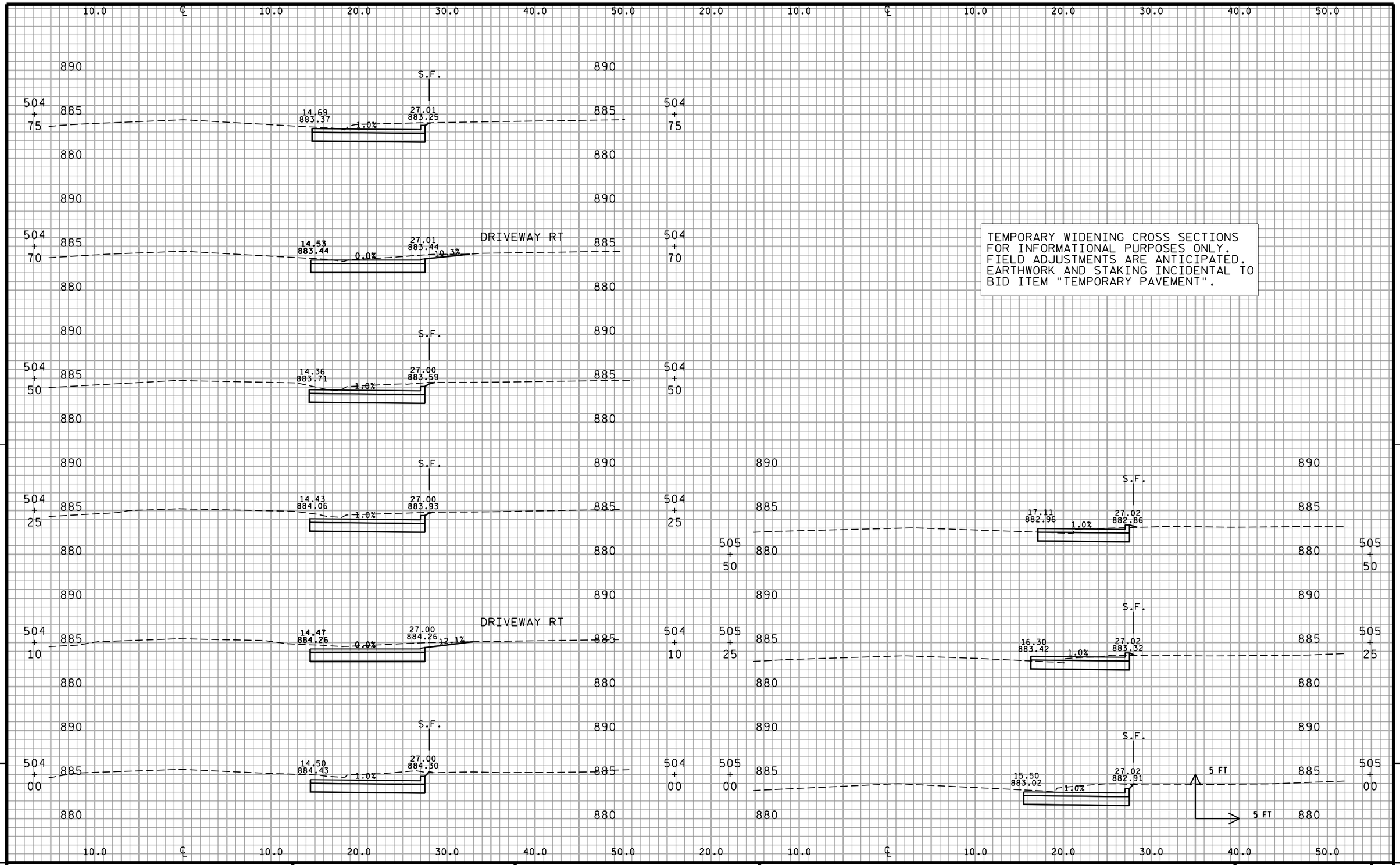
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 280	E

9

9

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc001012.dgn 2/5/2013 9:23:50 AM bhuibregtse



TEMPORARY WIDENING CROSS SECTIONS FOR INFORMATIONAL PURPOSES ONLY. FIELD ADJUSTMENTS ARE ANTICIPATED. EARTHWORK AND STAKING INCIDENTAL TO BID ITEM "TEMPORARY PAVEMENT".

9

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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 281	E

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

890 / 885 / 880

137 + 41.61

R/W -31.02 884.06 | -26.02 883.96 | -21.70 883.87 | -19.20 883.50 | -12.00 883.64 | 12.00 883.64 | 23.18 883.84 | 20.68 883.47 | 28.57 883.95 | R/W 33.57 884.05 | TLE 36.69 884.70

6.00:1 -32.69 884.34 | 2.00% | 2.00% | 2.00% | 2.00% | 883.88 | 2.00% | 2.00% | 2.00% | 2.00% | 5.00:1

-23.70 881.24 | 0.00 881.71 | 25.18 881.21

137 + 41.61

DRIVEWAY STA. 137+31, LT.
(TLE VACATED)

137 + 31

R/W -31.66 884.27 | -26.65 884.17 | -21.75 883.68 | -19.25 883.66 | -12.00 883.80 | 12.00 883.80 | 22.77 884.01 | 20.27 883.64 | 27.86 884.22 | R/W 32.70 884.31 | TLE 36.88 885.15

2.00% | 10.00% | 2.00% | 2.00% | 884.04 | 2.00% | 2.00% | 4.00% | 2.00% | 5.00:1

-31.66 884.38 | -23.75 881.40 | 0.00 881.88 | 24.77 881.38

137 + 31

137 + 00

R/W -32.47 884.70 | -27.47 884.60 | -22.47 884.50 | -19.97 884.12 | -12.00 884.28 | 12.00 884.28 | 22.53 884.49 | 20.03 884.12 | 26.91 884.58 | R/W 31.91 884.68 | TLE 33.89 885.22

2.00% | 2.00% | 2.00% | 2.00% | 884.52 | 2.00% | 2.00% | 2.00% | 2.00% | 4.00:1

-32.58 884.72 | -24.47 881.86 | 0.00 882.35 | 24.53 881.86

137 + 00

890 / 885 / 880

136 + 78.57

R/W | -20.00 884.51 | -12.00 884.69 | 12.00 884.69 | 20.00 884.53 | R/W

2.30% | 1.27% | 884.85 | 1.34% | 1.90%

-20.00 882.76 | 0.00 883.10 | 20.00 882.78

BEGIN PROJECT
STA. 136+78.57

136 + 78.57

890 / 885 / 880

136 + 50

R/W | R/W

136 + 50

890 / 885 / 880

136 + 00

R/W | R/W

136 + 00

5 FT
5 FT

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

9

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc001001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc001001.dgn 2/5/2013 9:23:54 AM bhuibregtse

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

TLE R/W

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

138 + 91

885 880 875

R/W

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885 880 875

138 + 87.44

890

138 + 50

TLE R/W R/W

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885 880 890

138 + 26.41

TLE R/W R/W

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885 880 890

138 + 00

DRIVEWAY STA. 137+96, LT.

TLE R/W R/W TLE

-36.33 883.07 -34.26 882.87 -31.78 884.14 -30.43 883.91 -28.26 882.75 -28.23 880.26 -26.23 882.54 -25.43 883.81 -23.73 882.52 -23.98 881.11 -21.98 883.74 -19.48 883.37 -12.00 882.75 -12.00 883.52 0.00 880.83 0.00 881.59 12.00 882.75 12.00 883.52 18.10 882.63 20.60 883.01 21.07 883.34 22.60 880.38 23.57 883.71 25.83 883.11 25.57 881.08 29.18 883.82 33.90 883.27 34.18 883.92 37.26 884.57 38.20 883.99

2.00% 10.00% 6.00:1 5.00:1 883.76 5 FT 5 FT

890 885 880 890

137 + 50

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

9 9

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc002001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc002001.dgn 2/5/2013 9:23:56 AM bhuibregtse

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

885
880
875

TLE
R/W

140 + 89.58

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885
880
875

TLE
R/W

140 + 50

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885
880
875

TLE
R/W

140 + 28.43

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885
880
875

140 + 00

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

885
880
875

DIVISION STREET

139 + 50

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

DIVISION STREET

885
880
875

R/W

139 + 00

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

5 FT
5 FT

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

9

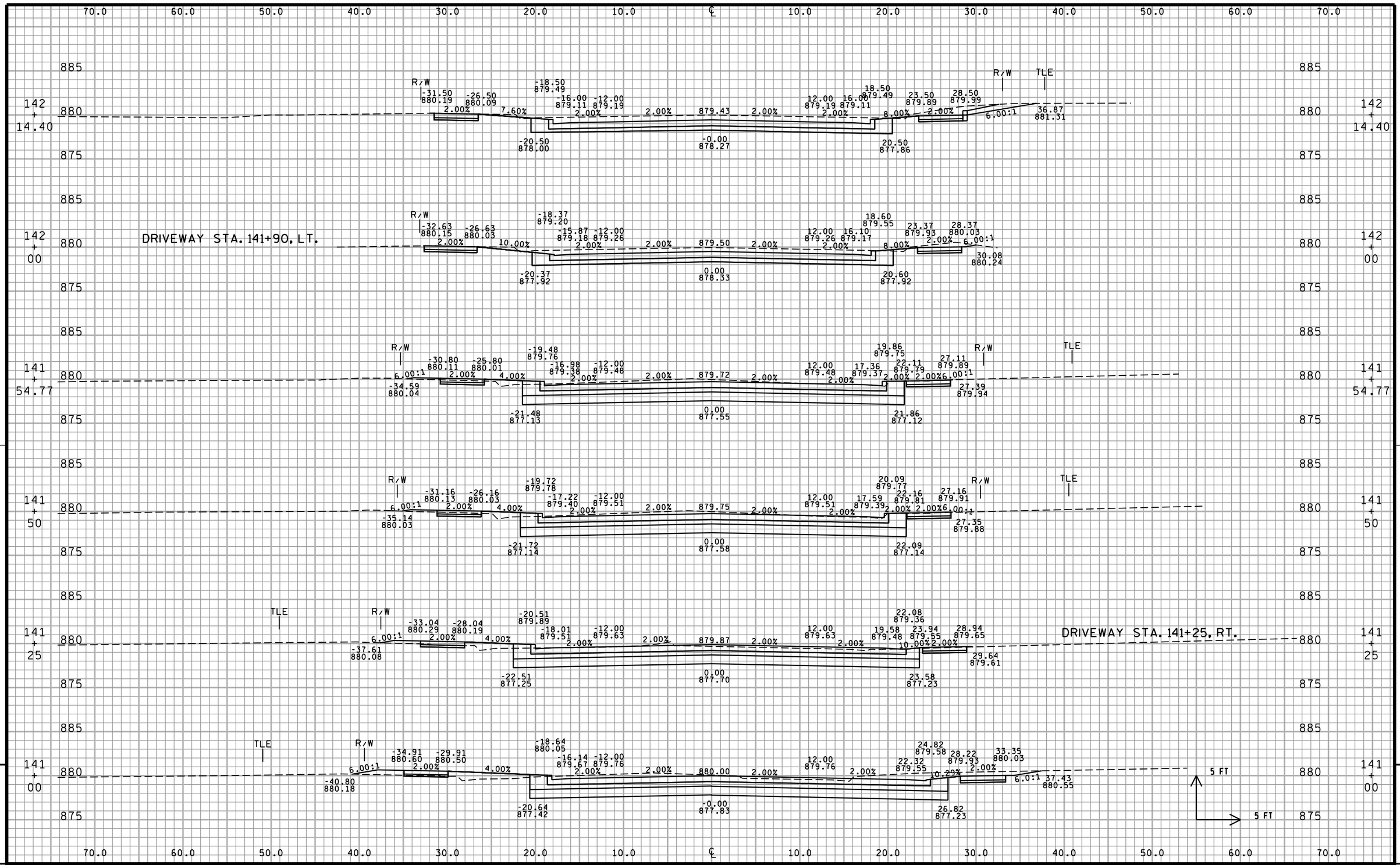
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc003001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc003001.dgn 2/5/2013 9:23:57 AM bhuibregtse

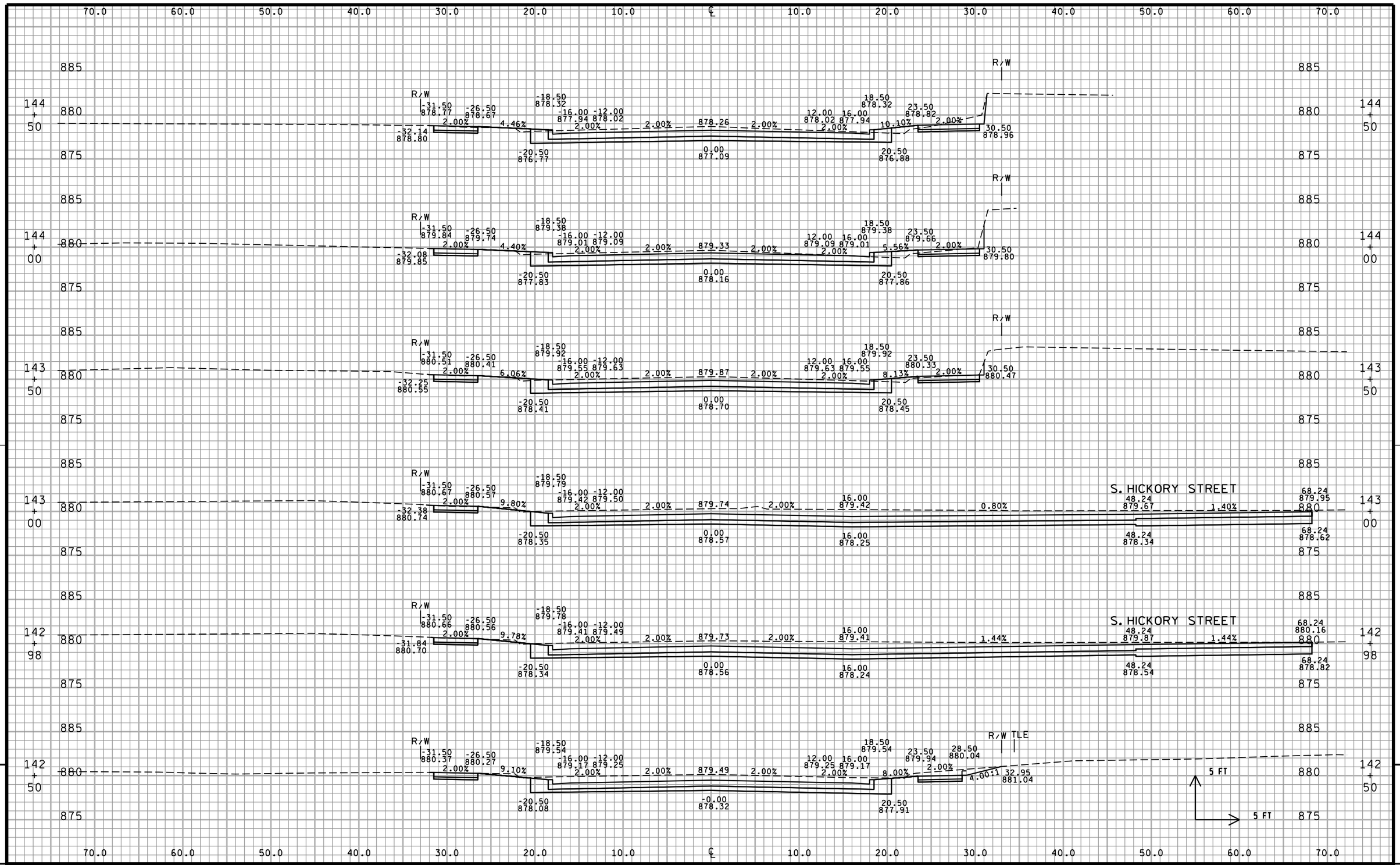


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc004001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc004001.dgn 2/5/2013 9:23:59 AM bhuibregtse

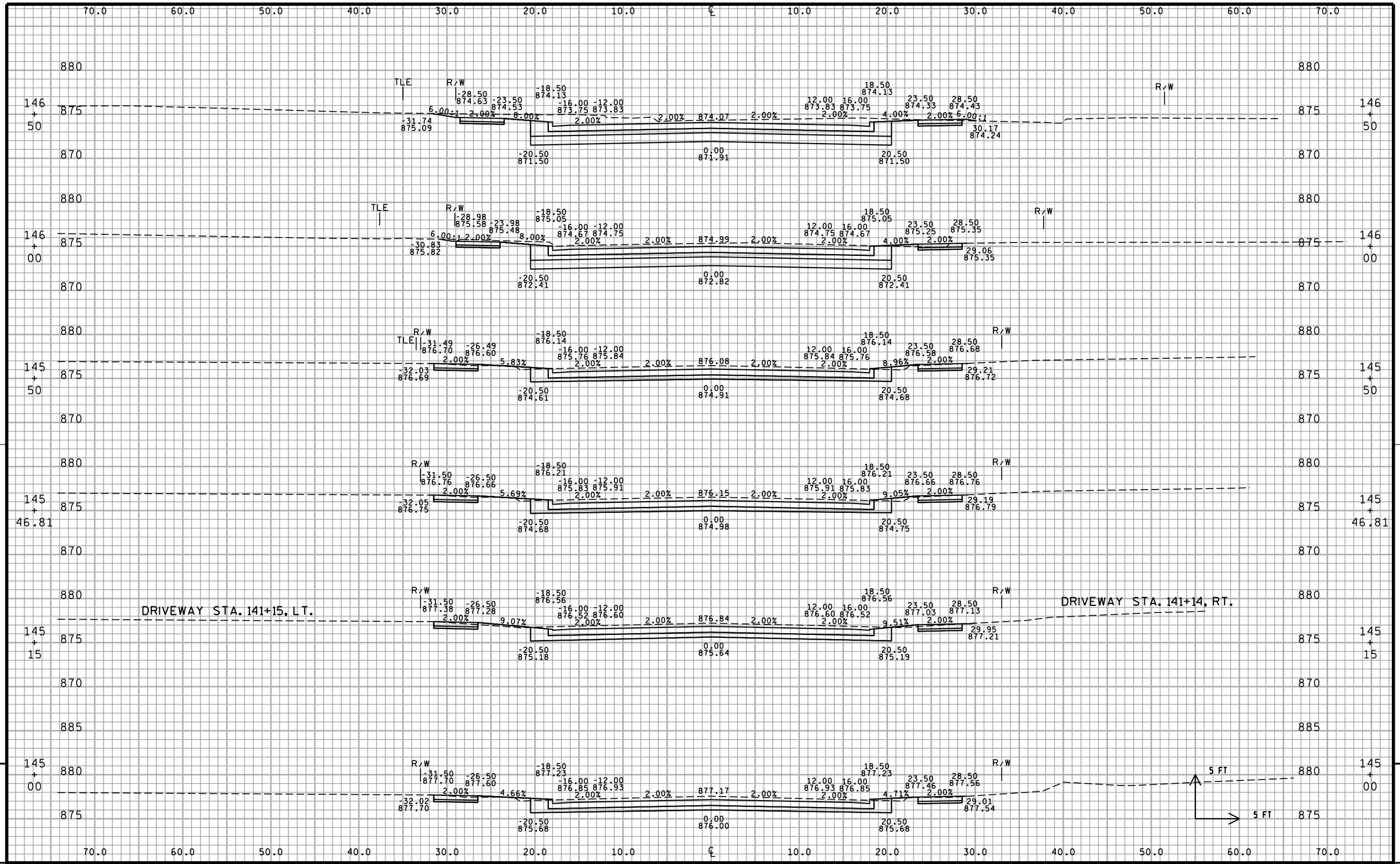


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc005001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc005001.dgn 2/5/2013 9:24:01 AM bhuibregtse



9

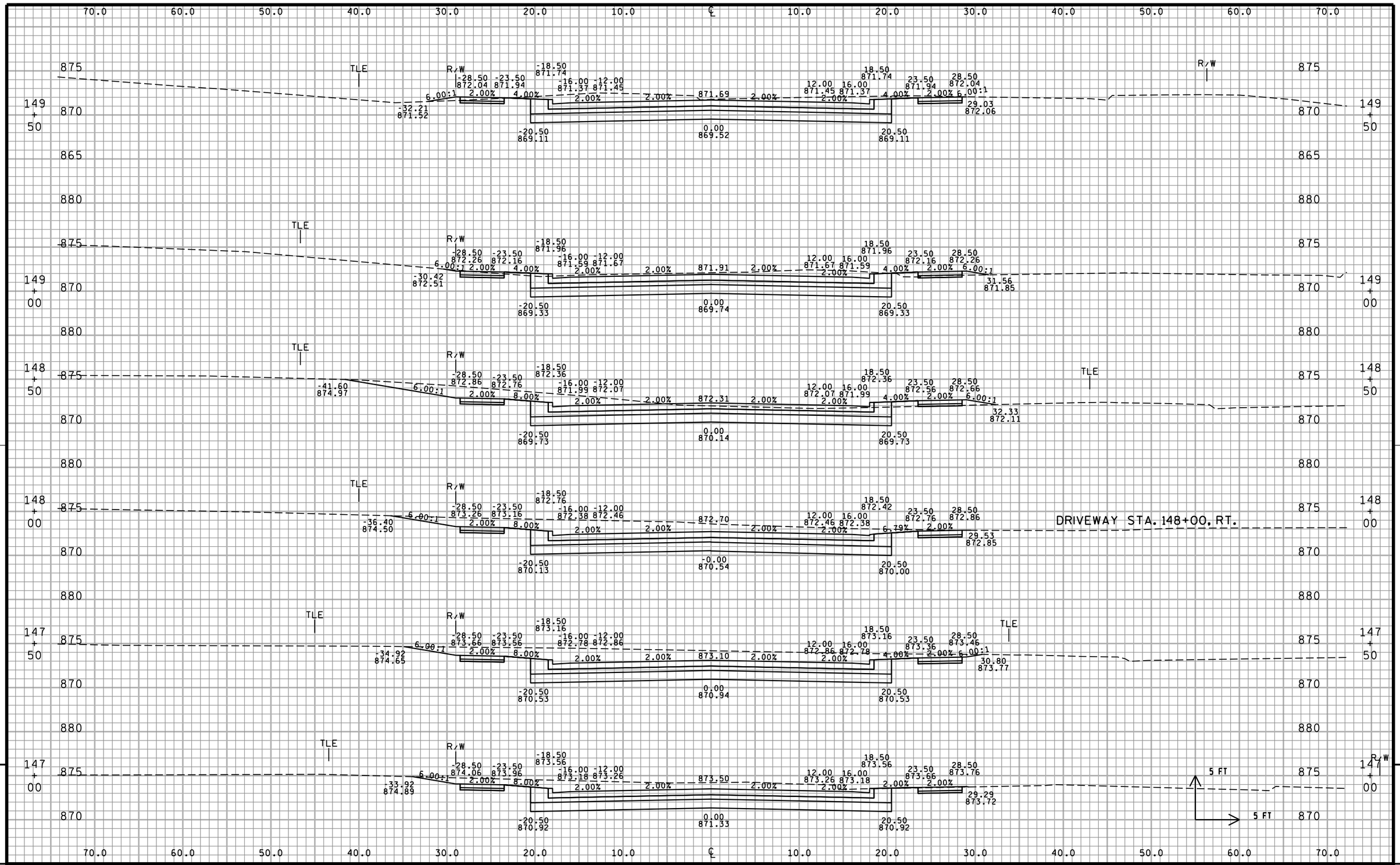
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: GRAYSIDE AVENUE	SHEET 287	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc006001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc006001.dgn 2/5/2013 9:24:03 AM bhuibregtse



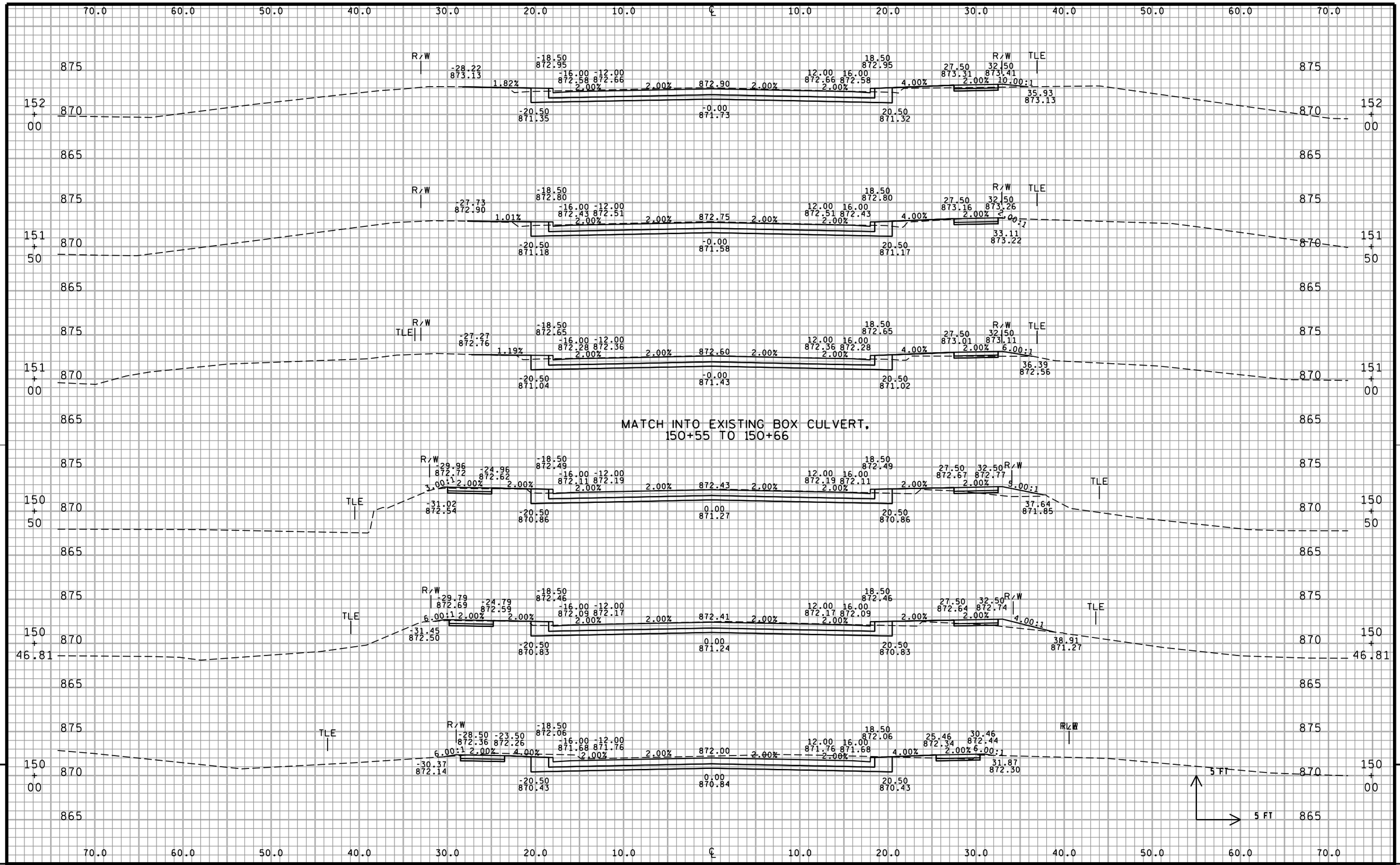
9

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc007001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc007001.dgn 2/5/2013 9:24:05 AM bhuibregtse

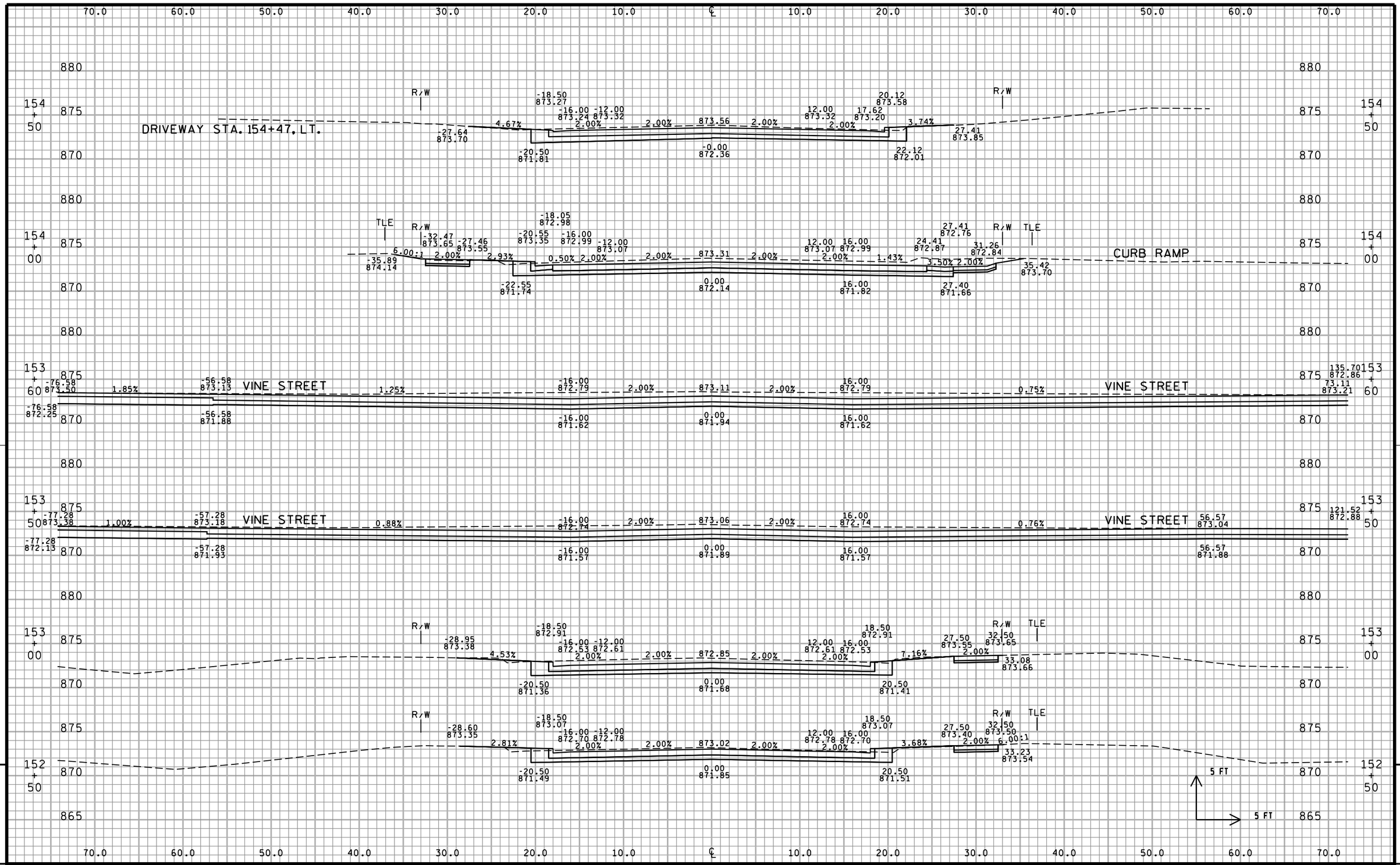


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc008001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc008001.dgn 2/5/2013 9:24:07 AM bhuibregtse



9

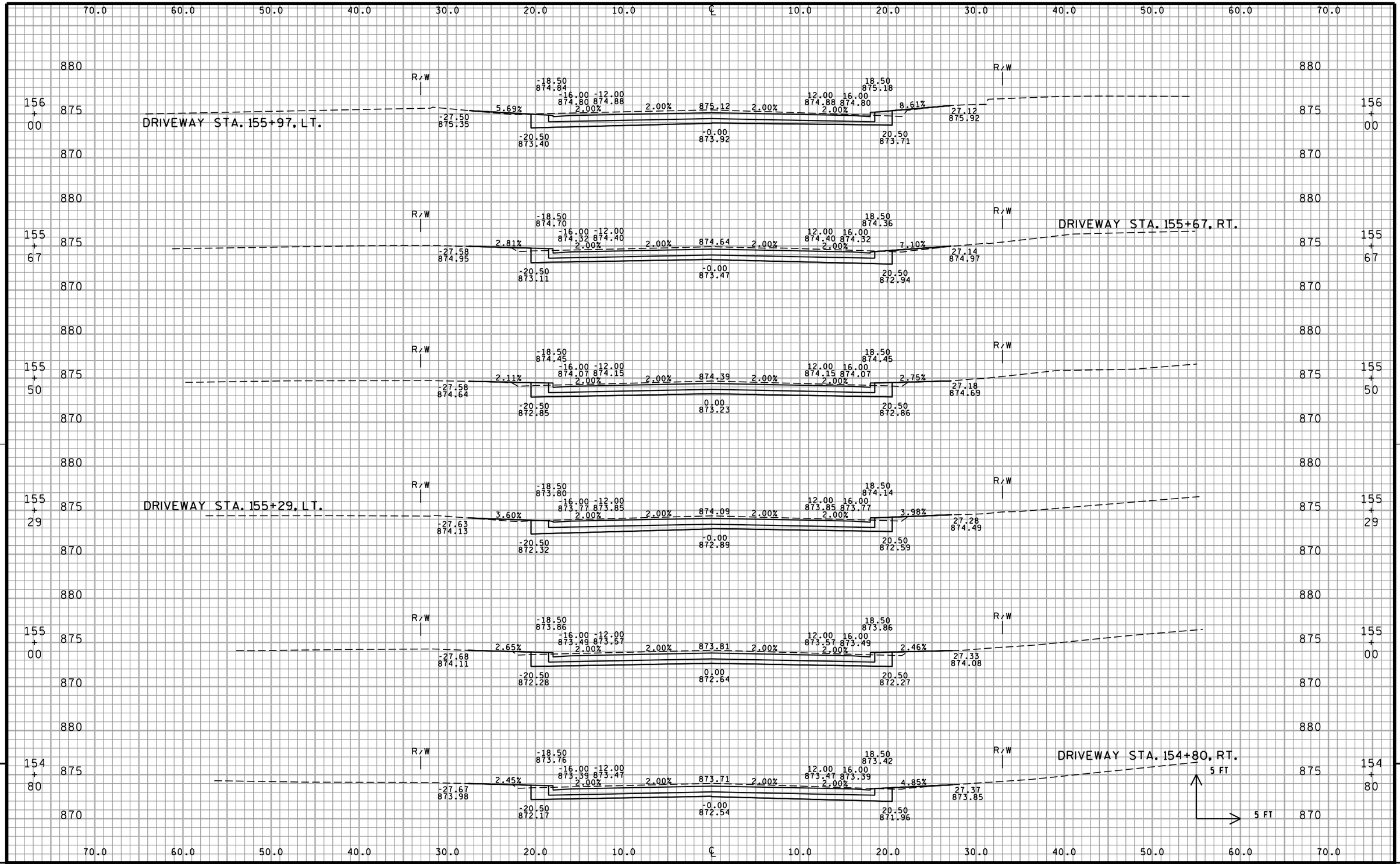
PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

290

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc009001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc009001.dgn 2/5/2013 9:24:08 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc010001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc010001.dgn 2/5/2013 9:24:10 AM bhuibregtse

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

880 / 875 / 870

158 + 00

R/W -18.50 876.14 | -16.00 -12.00 875.77 875.85 | 2.00% | 1.13% | -27.93 876.25 | -20.50 874.53 | 2.00% | 876.09 | -0.00 874.92 | 2.00% | 12.00 16.00 875.85 875.77 | 18.50 875.80 | 2.00% | 6.64% | 25.85 876.29 | R/W TLE | 20.50 874.38

DRIVEWAY STA. 157+94, RT.

157 + 50

R/W -18.50 876.37 | -16.00 -12.00 876.00 876.08 | 2.00% | 2.63% | -27.84 876.62 | -20.50 874.79 | 2.00% | 876.32 | 0.00 875.15 | 2.00% | 12.00 16.00 876.08 876.00 | 18.50 876.37 | 2.00% | 4.79% | 27.46 876.80 | R/W | 20.50 874.83

DRIVEWAY STA. 157+33, LT.

157 + 33

R/W -18.50 876.11 | -16.00 -12.00 876.08 876.16 | 2.00% | 6.57% | -27.77 876.72 | -20.50 874.69 | 2.00% | 876.40 | -0.00 875.20 | 2.00% | 12.00 16.00 876.16 876.08 | 18.50 876.45 | 2.00% | 5.97% | 27.39 876.98 | R/W | 20.50 874.93

DRIVEWAY STA. 157+13, LT.

157 + 13

R/W -18.50 876.17 | -16.00 -12.00 876.13 876.21 | 2.00% | -54.96 876.32 | 6.22% | -31.80 -27.79 876.88 876.80 | 2.00% | 6.78% | -20.50 874.75 | 2.00% | 876.45 | 0.00 875.25 | 2.00% | 12.00 16.00 876.21 876.13 | 18.50 876.51 | 2.00% | 5.20% | 27.31 876.97 | R/W | 20.50 874.98

157 + 00

R/W -18.50 876.48 | -16.00 -12.00 876.10 876.18 | 2.00% | 3.90% | -27.88 876.85 | -20.50 874.92 | 2.00% | 876.42 | 0.00 875.26 | 2.00% | 12.00 16.00 876.18 876.10 | 18.50 876.48 | 2.00% | 4.33% | 27.25 876.86 | R/W | 20.50 874.93

156 + 50

R/W -18.50 875.91 | -16.00 -12.00 875.54 875.62 | 2.00% | 4.03% | -27.55 876.28 | -20.50 874.35 | 2.00% | 875.86 | -0.00 874.69 | 2.00% | 12.00 16.00 875.62 875.54 | 18.50 875.57 | 2.00% | 8.37% | 27.08 876.29 | R/W | 20.50 874.18

DRIVEWAY STA. 156+55, RT.

5 FT

5 FT

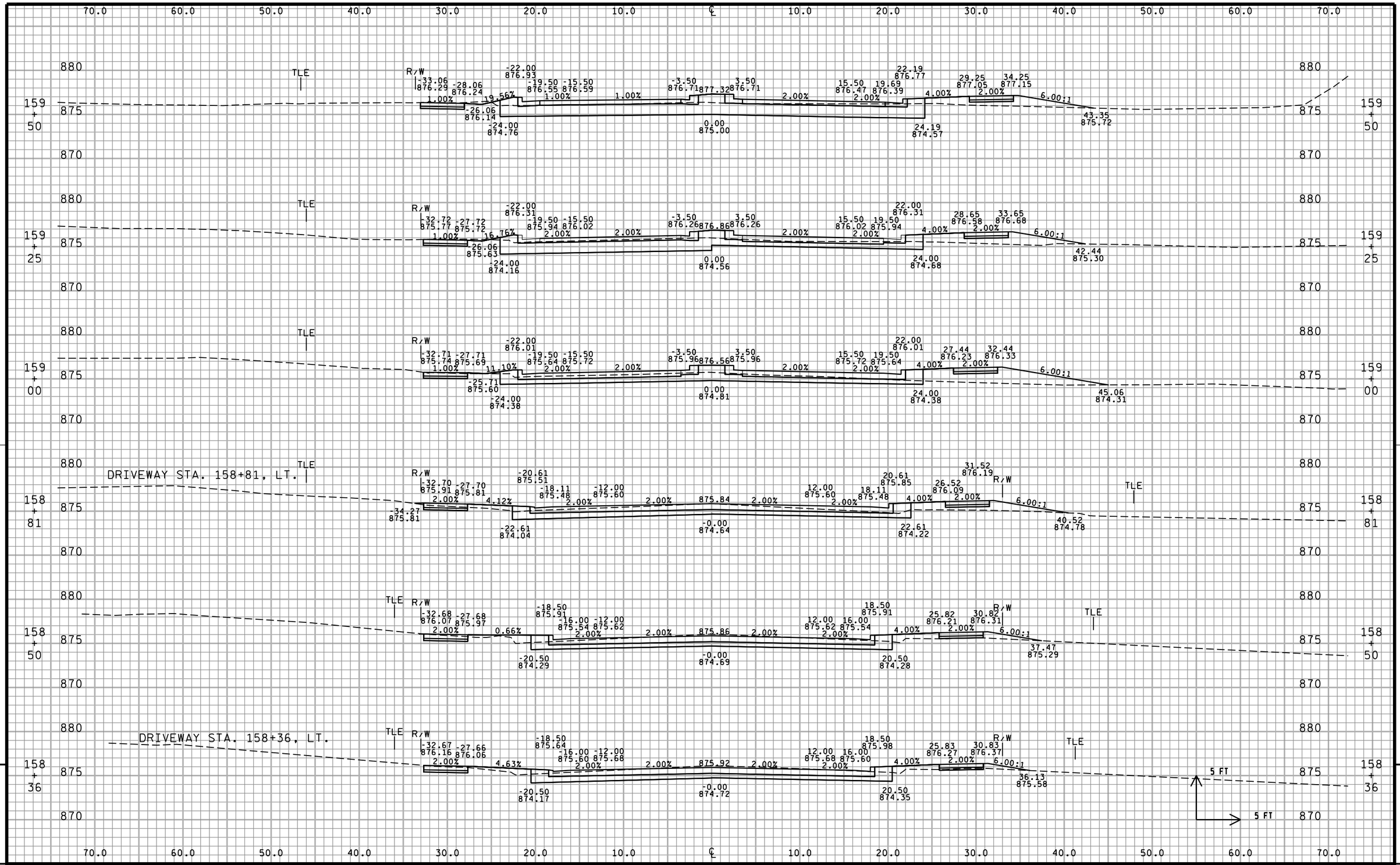
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc011001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc011001.dgn 2/5/2013 9:24:12 AM bhuibregtse

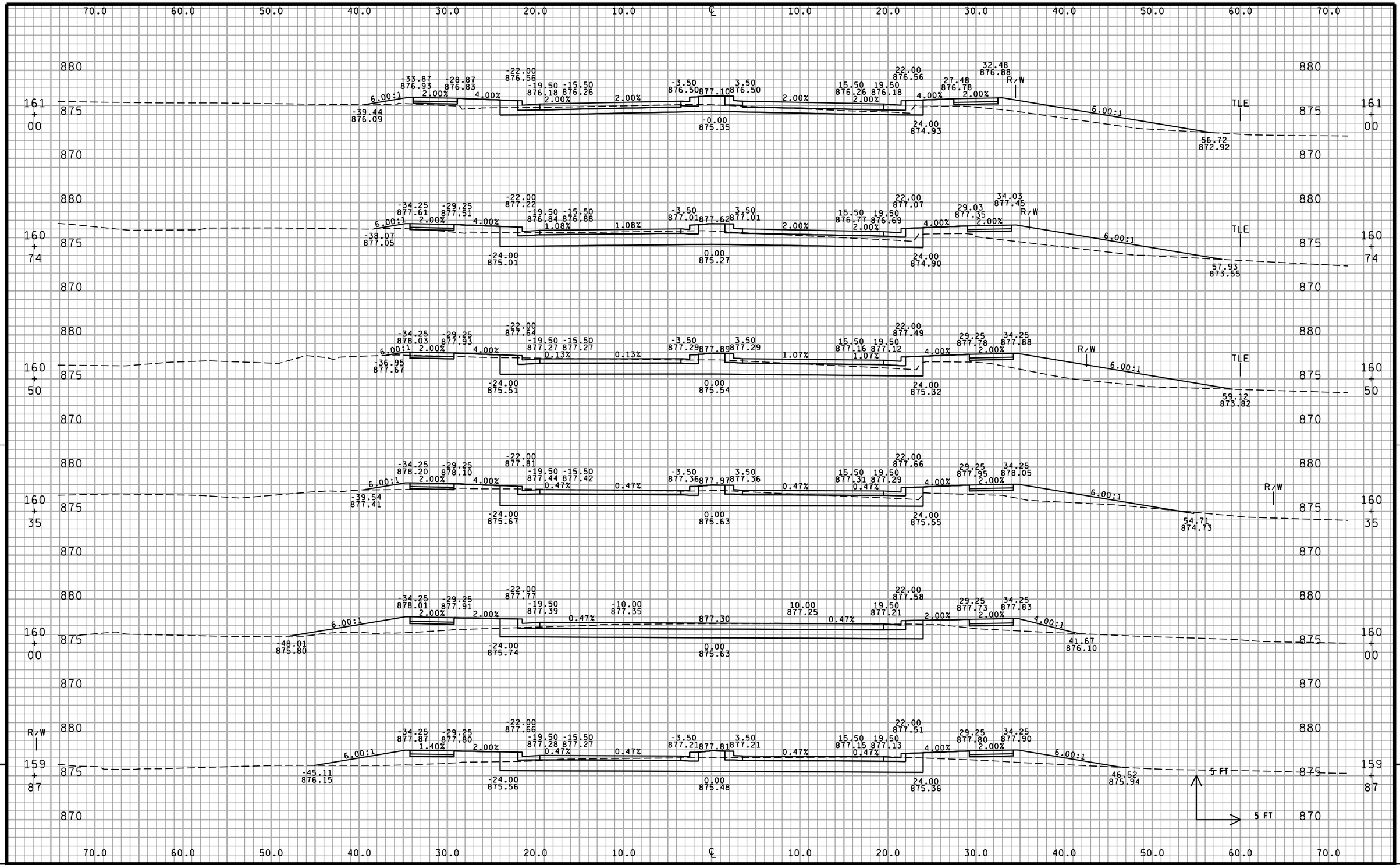


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc012001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc012001.dgn 2/5/2013 9:24:14 AM bhuibregtse

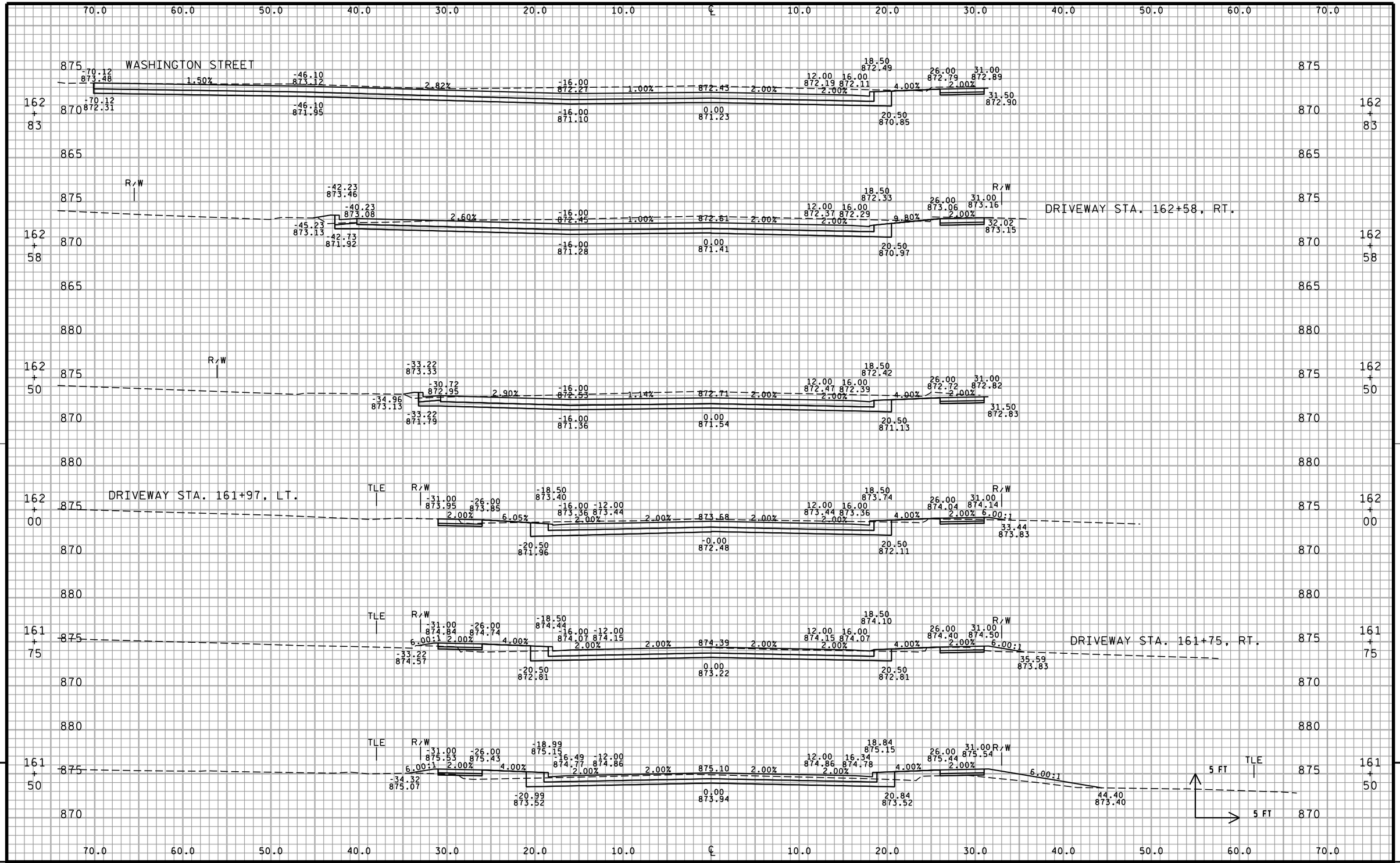


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc013001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc013001.dgn 2/5/2013 9:24:16 AM bhuibregtse



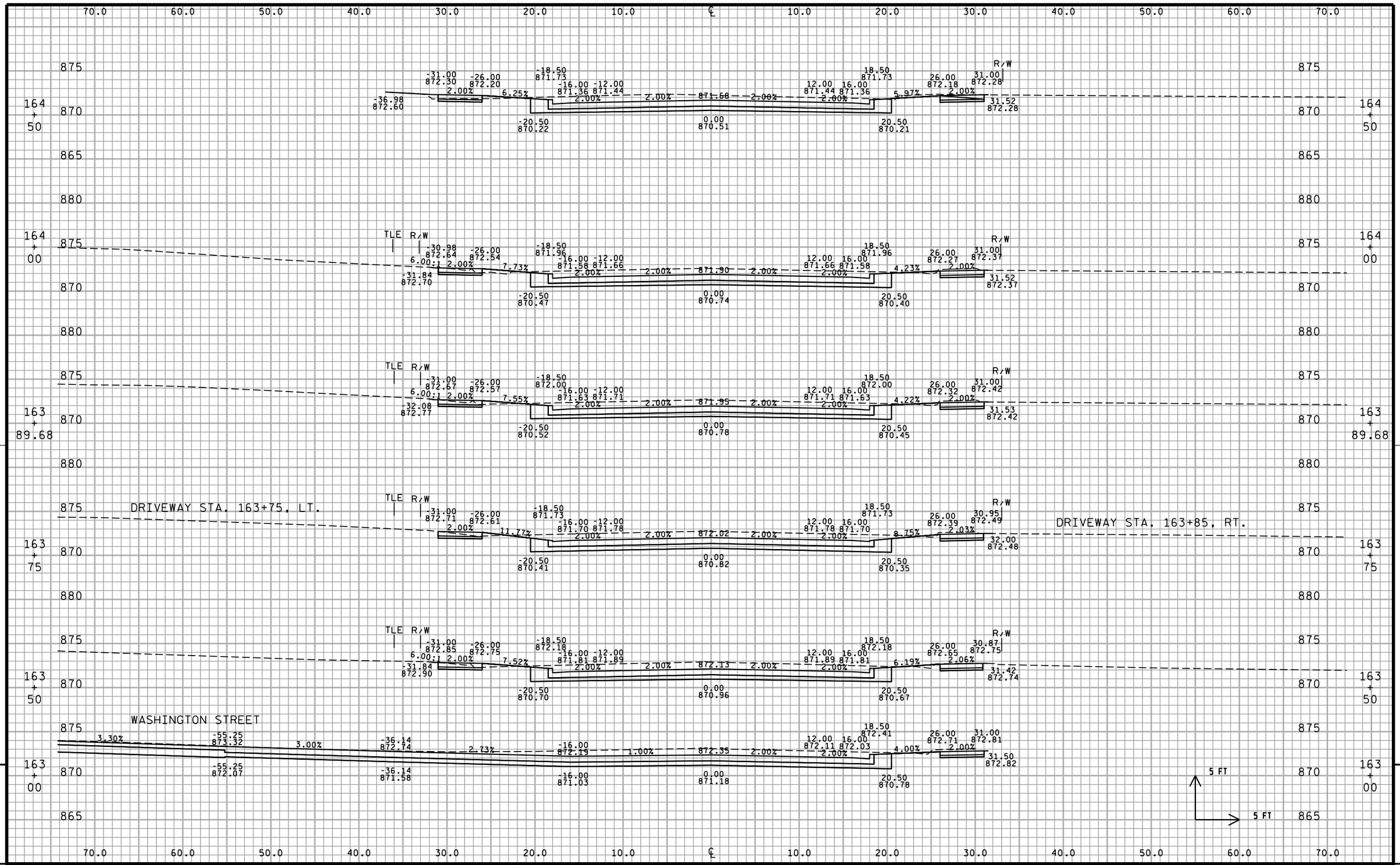
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PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc014001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc014001.dgn 2/5/2013 9:24:18 AM bhuibregtse

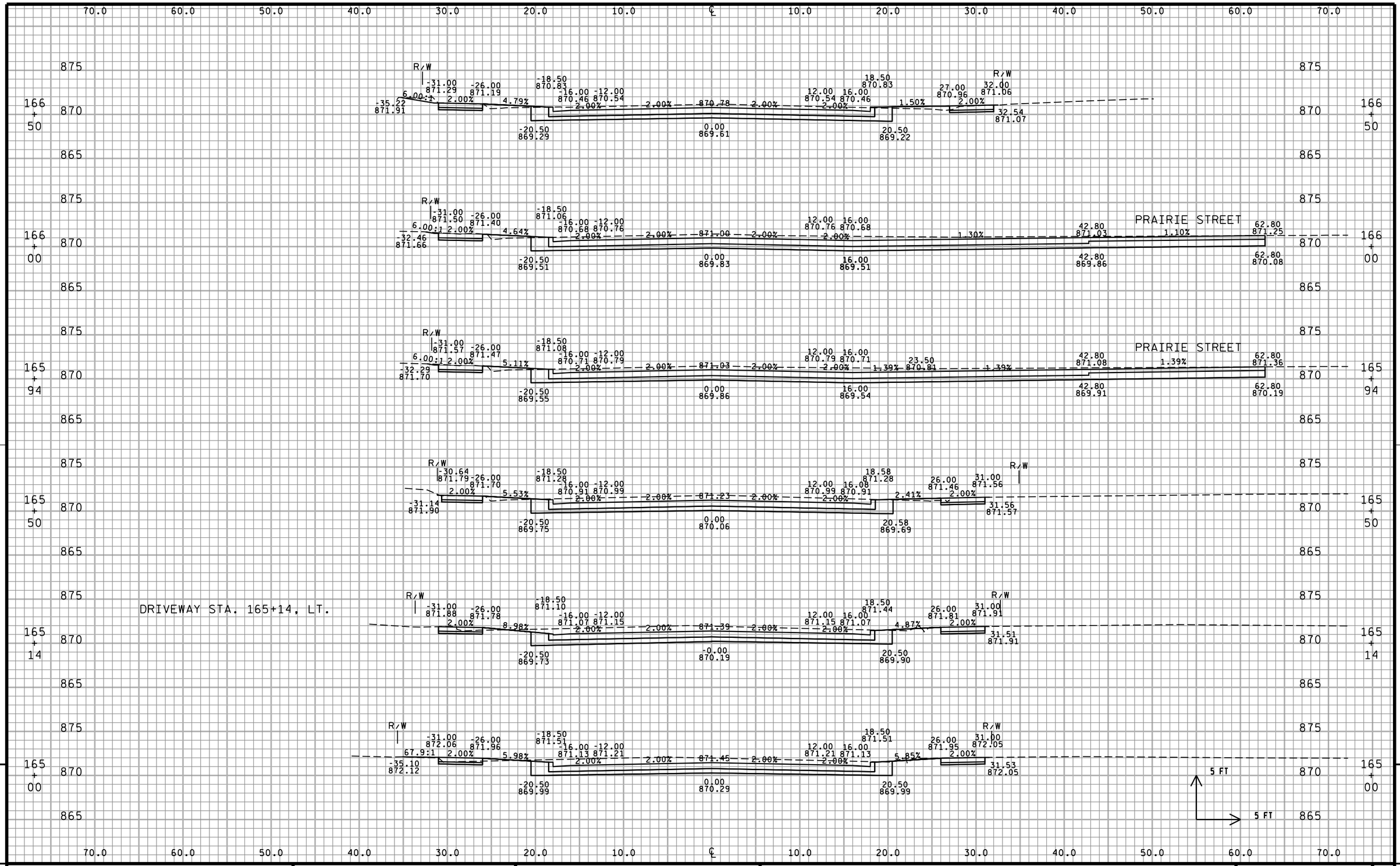


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc015001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

rc015001.dgn 2/5/2013 9:24:19 AM bhuibregtse

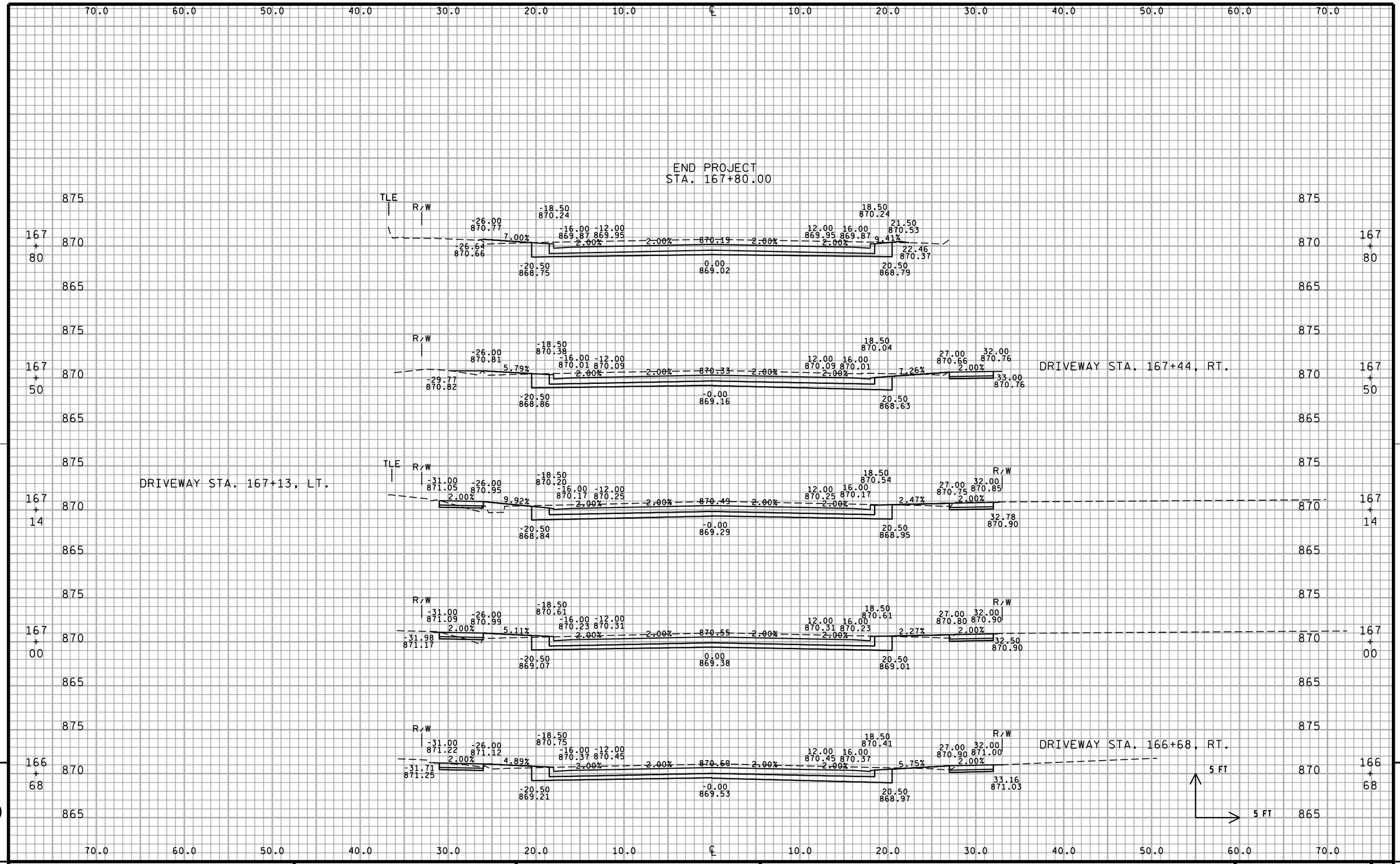


PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : P:\6780s\6785\06785001\caddWDOT\Align\rc016001.dgn PLOT DATE : 2/5/2013 PLOT BY : bhuibregtse PLOT NAME : PLOT SCALE : 1:1.99999

WISDOT/CADDS SHEET 21

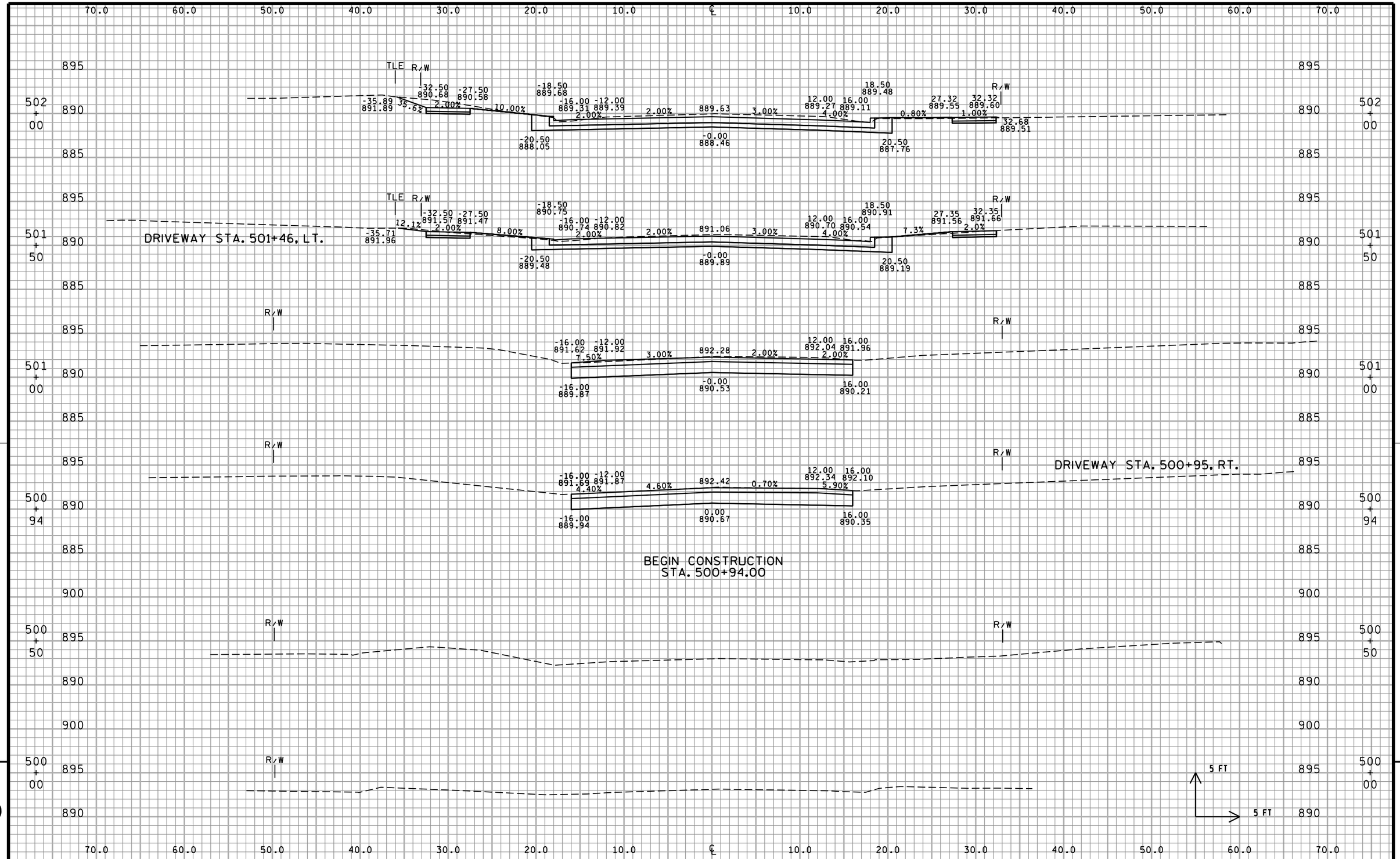
rc016001.dgn 2/5/2013 9:24:21 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: UNION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

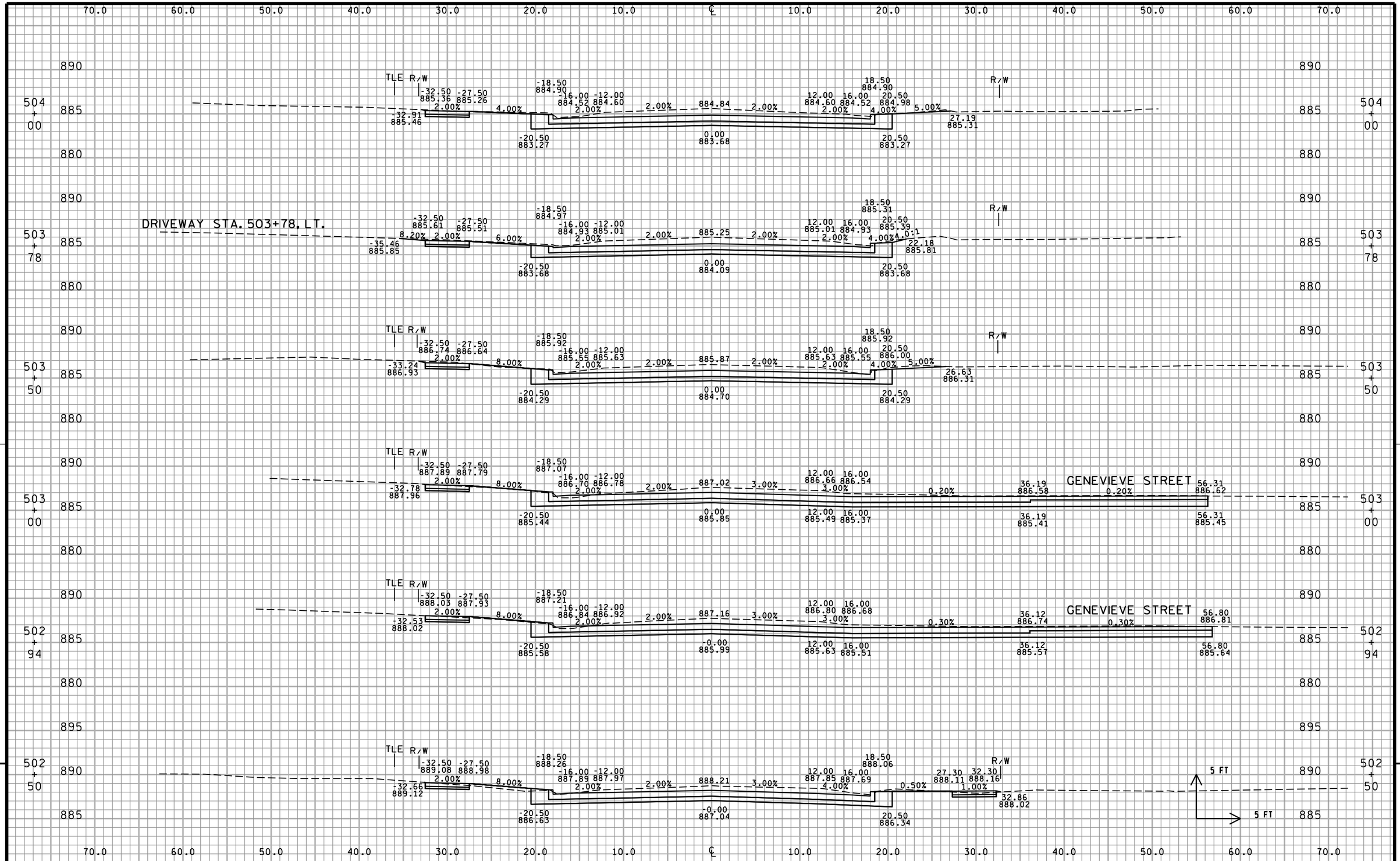
rc017001.dgn 2/5/2013 9:24:23 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc001003.dgn 2/5/2013 9:24:25 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET 300	E

9

9

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc002003.dgn 2/5/2013 9:24:26 AM bhuibregtse

SEE ROUNDABOUT DETAILS FOR
GRADES AND ELEVATIONS

DRIVEWAY 504+70, RT.

DRIVEWAY 504+10, RT.

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc003003.dgn 2/5/2013 9:24:28 AM bhuibregtse

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

885
880
875

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

507 + 50

885
880
875

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

507 + 00

R/W

885
880
875

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

506 + 50

885
880
875

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

R/W TLE

506 + 32.66

890
885
880
875

SEE ROUNDABOUT DETAILS FOR GRADES AND ELEVATIONS

TLE R/W R/W

506 + 00

5 FT
5 FT

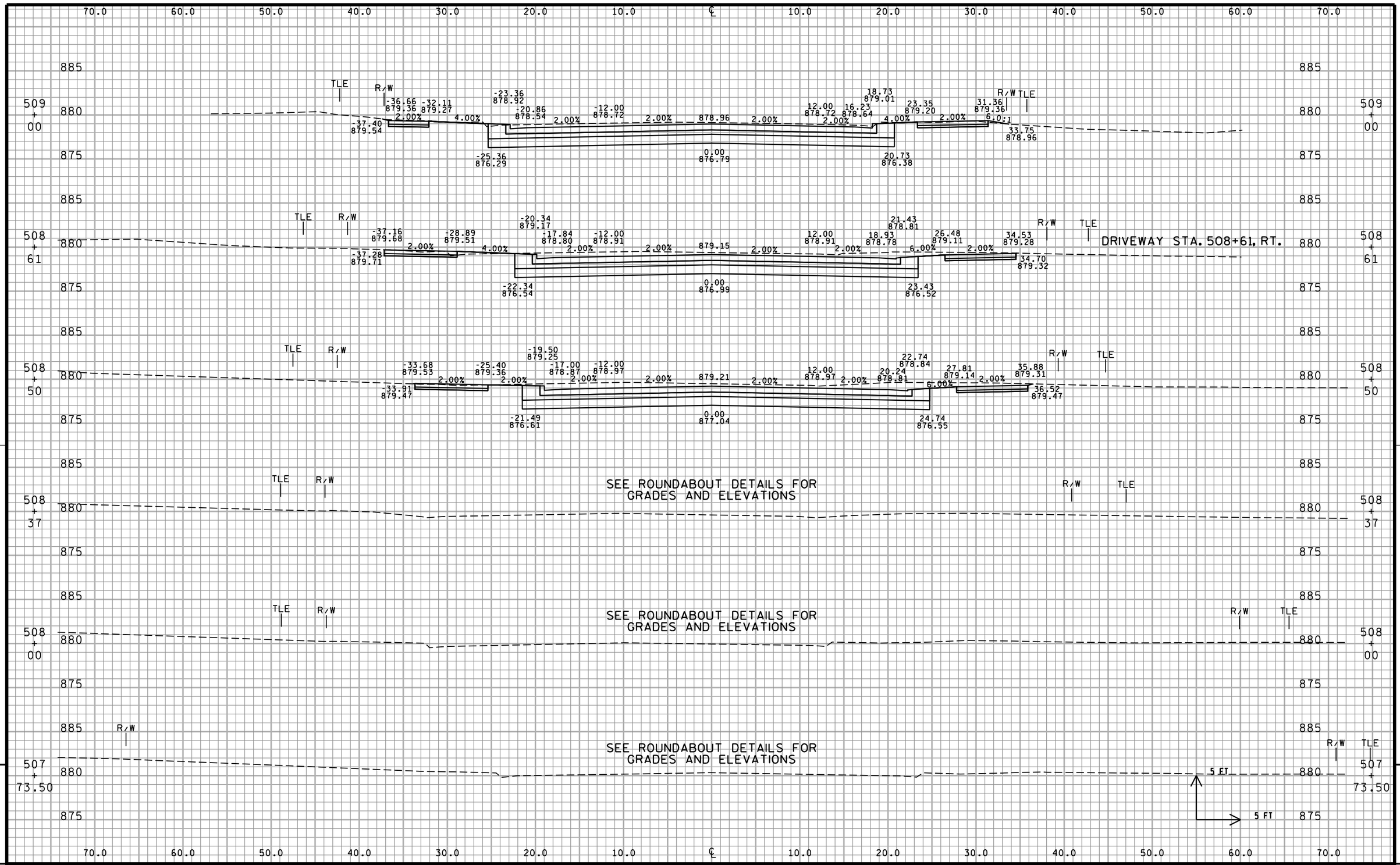
70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

9 9

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc004003.dgn 2/5/2013 9:24:30 AM bhuibregtse



PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc005003.dgn 2/5/2013 9:24:31 AM bhuibregtse

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

885 880 875

510 + 00

R/W R/W

END CONSTRUCTION
STA. 509+68.26,
BEGIN MILL & OVERLAY

509 + 68.26

R/W R/W

-22.50 878.59 | -20.00 878.22 | -12.00 878.38 | 878.62 | 12.00 878.38 | 20.00 878.22 | 22.50 878.59

3.20% 2.00% 2.00% 2.00% 2.00% 1.90%

-25.90 878.70 | -24.50 875.96 | 0.00 876.45 | 24.50 875.96 | 29.39 878.72

509 + 50

R/W R/W

-22.50 878.68 | -20.00 878.31 | -12.00 878.47 | 878.71 | 12.00 878.47 | 19.73 878.32 | 22.23 878.69

4.00% 2.00% 2.00% 2.00% 2.00% 4.10%

-25.74 878.81 | -24.50 876.05 | 0.00 876.54 | 24.23 876.06 | 25.12 878.81

509 + 37

DRIVEWAY STA. 509+37, LT.

R/W R/W TLE

-22.50 878.39 | -20.00 878.37 | -12.00 878.53 | 878.77 | 12.00 878.53 | 19.21 878.39 | 21.71 878.77 | 22.71 878.81

12.50% 2.00% 2.00% 2.00% 2.00% 4.00% 2.00%

-26.96 878.95 | -24.50 876.12 | 0.00 876.61 | 22.71 876.15 | 27.22 878.90

5 FT 5 FT

70.0 60.0 50.0 40.0 30.0 20.0 10.0 ℄ 10.0 20.0 30.0 40.0 50.0 60.0 70.0

9 9

PROJECT NO: 5020-05-71	HWY: STH 58/82	COUNTY: JUNEAU	CROSS SECTIONS: DIVISION STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc006003.dgn 2/5/2013 9:24:33 AM bhuibregtse

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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