SWL

APR 13

PROJECT ID: 5990-00-78

COUNTY: ROCK

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
Section No.	3	Estimate of Quantities
Section No.	3	Miscelloneous 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 = 218

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5990-00-78	WISC 2013211	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF JANESVILLE, RIVER STREET

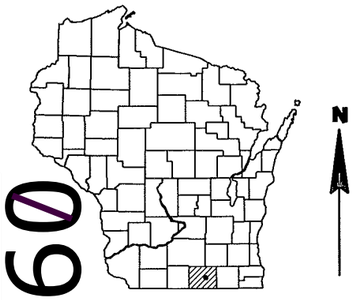
(WEST RACINE STREET - WEST COURT STREET)

LOCAL STREET

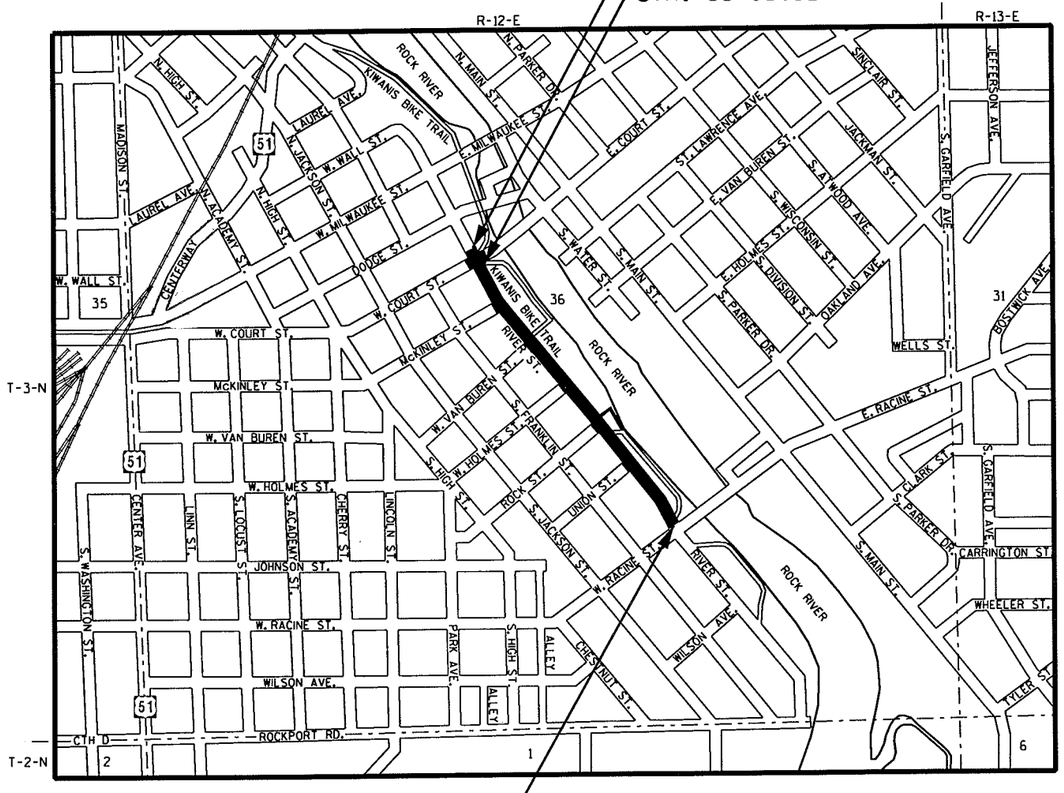
ROCK COUNTY

STATE PROJECT NUMBER

5990-00-78



END CONSTRUCTION
STA. 33+75.00
END PROJECT 5990-00-78
STA. 33+05.32



BEGIN PROJECT 5990-00-78
STA. 11+89.13
Y = 494,348.01
X = 266,599.94

LAYOUT
SCALE 0 500 FT. 1000 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.400 MI.

-"Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Rock County NAD 83(1991)"

ACCEPTED FOR

CITY of JANESVILLE

10/23/12 (Date)

(Director of Public Works)

ORIGINAL PLANS PREPARED BY

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL • REMEDIATION DEVELOPMENT • ENVIRONMENTAL

2901 International Lane, Suite 300 Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

WISCONSIN
JASON T. DIPIAZZA
E-38341
MADISON
WI
PROFESSIONAL ENGINEER

DATE: 10/22/12 (Professional Engineer)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor: MSA PROFESSIONAL SERVICES, INC.

Designer: MSA PROFESSIONAL SERVICES, INC.

Management Consultant: KJOHNSON ENGINEERS

C.O. Examiner:

APPROVED FOR THE DEPARTMENT

DATE: 10/30/12 Kimberly A. John
Management Consultant Signature

E

DESIGN DESIGNATION

A.A.D.T. (2013)	=	3,375
A.A.D.T. (2033)	=	4,125
D.H.V. (2033)	=	827
D.D.	=	59/41
T.	=	10.9%
DESIGN SPEED	=	30 MPH
ESALS	=	1,620,600

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

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

2

GENERAL NOTES

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF EACH SECTION.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

OFFSETS FOR INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF STRUCTURE.

EARTHWORK WASTE MATERIAL SHOWN ON THE EARTHWORK SUMMARY SHALL BE HAULED FROM THE PROJECT, EXCEPT AS DIRECTED BY ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FACE OF CURB.

ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, FERTILZER AND SOD OR E-MAT AS SHOWN IN THE EROSION CONTROL DETAILS. DISTURBED AREAS BEHIND THE BACK OF NEW SIDEWALK SHALL BE TOPSOILED, SEEDED, FERTILIZED AND MULCHED. PAYMENT FOR RESTORATION WILL ONLY BE FOR AREAS SHOWN ON THE PLANS WITHIN THE SLOPE INTERCEPTS.

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN.

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

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

THE REMOVAL OF CONCRETE DRIVEWAYS SHALL BE MEASURED AND PAID AS REMOVING CONCRETE SIDEWALK.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER. AN UNDISTRIBUTED QUANTITY OF SELECT CRUSHED MATERIAL IS INCLUDED FOR EBS BACKFILL.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

THE EROSION CONTROL FEATURES ARE SHOWN ON THE PLAN AND ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

MATCH EXISTING SIDEWALK GRADES AT BUILDING ENTRANCES, PRIVATE SIDEWALKS, PARKING LOTS AND DRIVEWAYS UNLESS OTHERWISE NOTED. ASPHALTIC SURFACE AND SAWING ASPHALT IS INCLUDED IN THE CONTRACT FOR REPLACING EXISTING HMA PAVEMENT BEHIND THE PROPOSED SIDEWALK. SEE PAVING DETAILS FOR LOCATIONS.

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

INDEX OF TYPICAL SECTIONS & DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
RAIN GARDEN DETAILS
RAMP DETAILS
STEP DETAILS
OVERVIEW
PAVING DETAILS
EROSION CONTROL
STORM SEWER
STREETSCAPING
PERMANENT SIGNING
LIGHTING
TRAFFIC SIGNAL IMPROVEMENTS
PAVEMENT MARKINGS
TRAFFIC CONTROL
CONTROL POINT TIES
ALIGNMENT OVERVIEW
SOIL BORING LOGS

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Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

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ELECTRIC 24-HOUR EMERGENCY SERVICE: 1-800-862-6222
GAS 24-HOUR EMERGENCY SERVICE: 1-800-862-6222

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: AMANDA CUSHMAN
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3485
EMAIL: amanda.cushman@wisconsin.gov

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MADISON, WI 53704-3133
PHONE: (608) 242-7779
E-MAIL: jdipiazza@msa-ps.com

CITY OF JANESVILLE
ATTN: DENNIS RYAN
18 N. JACKSON STREET
JANESVILLE, WI 53547
PHONE: (608) 755-3171
FAX: (608) 755-3189
E-MAIL: ryand@ci.janesville.wi.us

UTILITIES

SANITARY SEWER, STORM SEWER, WATERMAIN, TRAFFIC SIGNALS AND STREET LIGHTING:
CITY OF JANESVILLE ENGINEERING
ATTN: DENNIS RYAN
18 N. JACKSON STREET
JANESVILLE, WI 53547
PHONE: (608) 755-3171
FAX: (608) 755-3189
E-MAIL: ryand@ci.janesville.wi.us

TELEPHONE:
AT&T WISCONSIN
ATTN: SHANE LEVAKE
301 E. MILWAUKEE ST.
JANESVILLE, WI 53545
PHONE: (608) 755-5586
E-MAIL: sl3184@att.com

CABLE TELEVISION:
CHARTER COMMUNICATIONS
ATTN: RANDY STEURER
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PHONE: (608) 209-3194
E-MAIL: rsteurer@chartercomm.com

GAS AND ELECTRIC:
ALLIANT ENERGY
ATTN: EUGENE SILBAUGH
3730 KENNEDY ROAD
JANESVILLE, WI 53545-8812
PHONE: (608) 757-7516
E-MAIL: EugeneSilbaugh@alliantenergy.com

**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

STANDARD ABBREVIATIONS

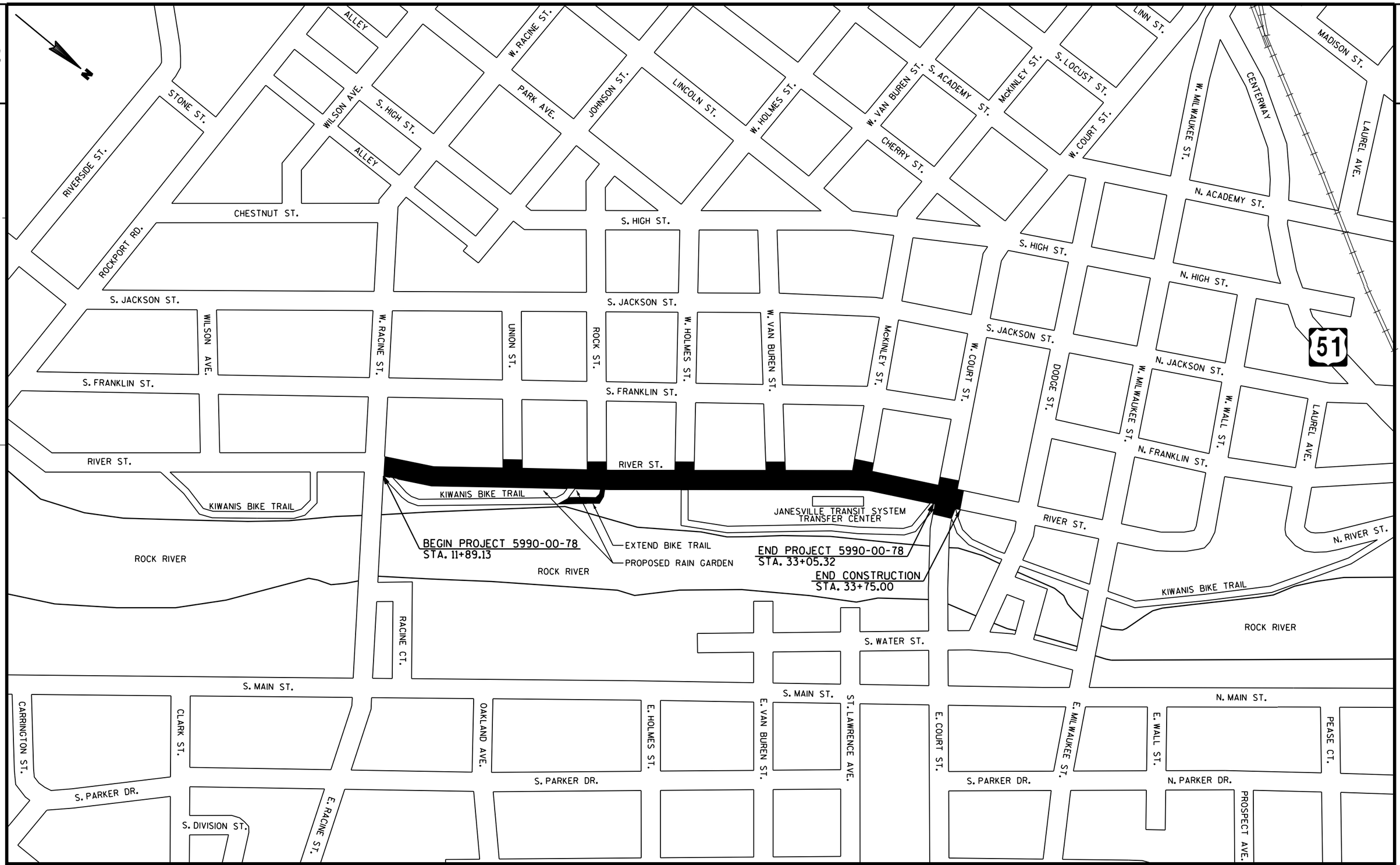
AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
AVE	AVENUE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CL or ℄	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
E	EAST
EB	EASTBOUND
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
HYD	HYDRANT
IN	INCH
INL	INLET
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
SAN	SANITARY SEWER
S	SOUTH
SB	SOUTHBOUND
SQ	SQUARE
STD	STANDARD
SEC	SECTION
ST	STREET
STA	STATION
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP.	TYPICAL
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

2

PROJECT NO:5990-00-78	HWY:RIVER STREET	COUNTY:ROCK	GENERAL NOTES	SHEET 2	E

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

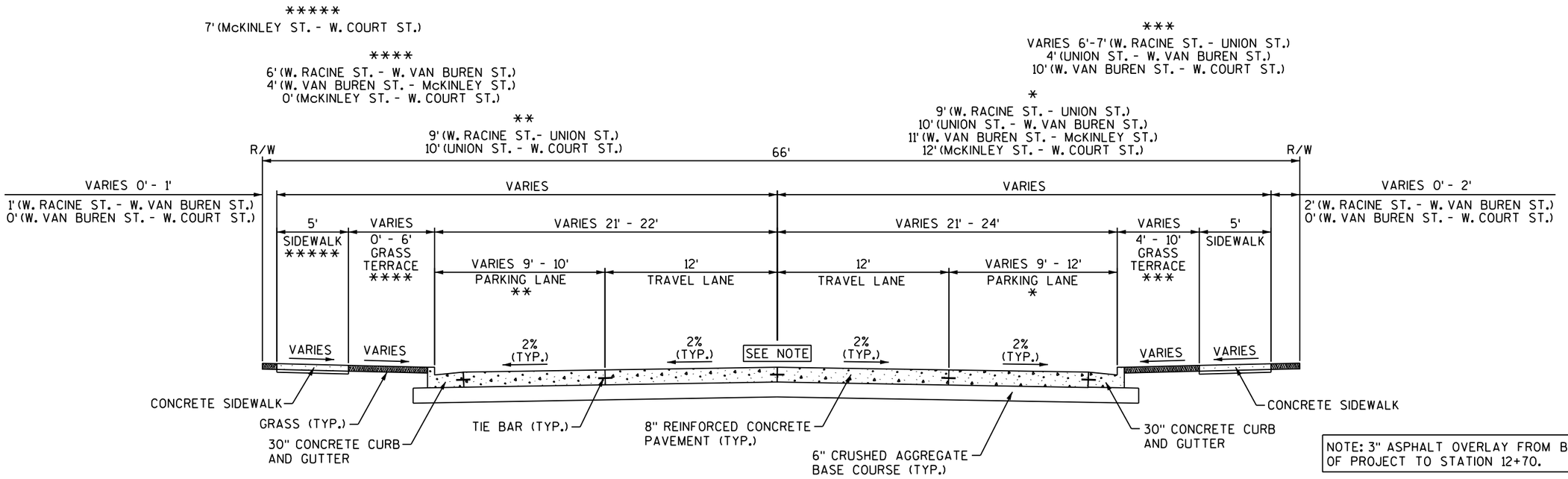
General Notes.dgn 10/30/2012 3:31:09 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PROJECT OVERVIEW	SHEET	E

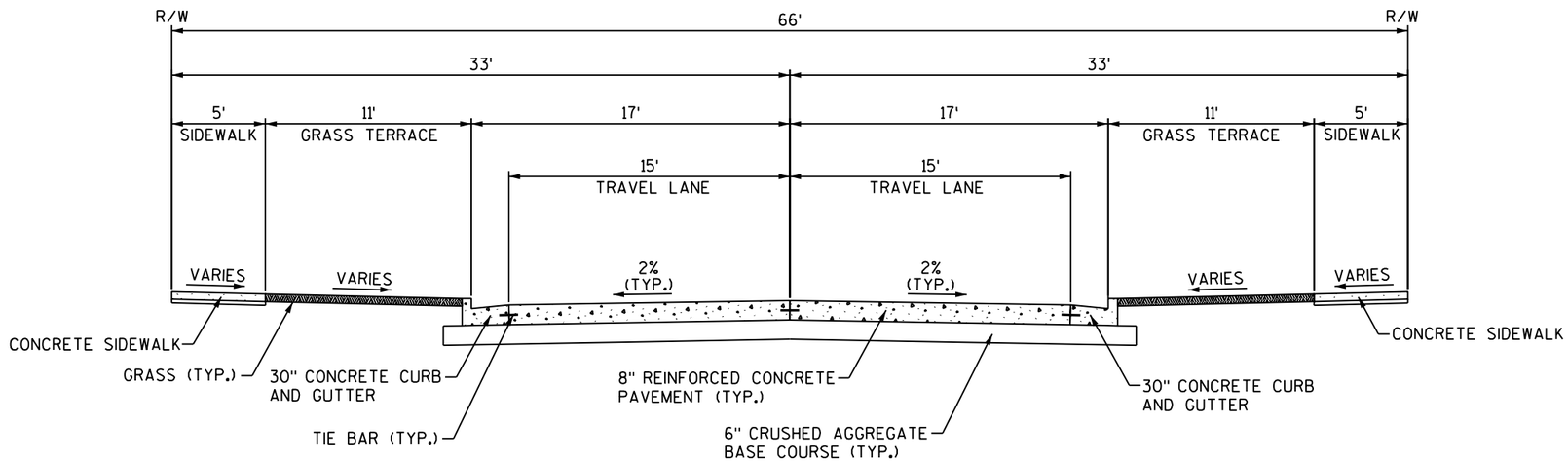
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Project Overview.dgn 10/30/2012 3:31:10 PM jdolens



EXISTING TYPICAL SECTION - RIVER STREET

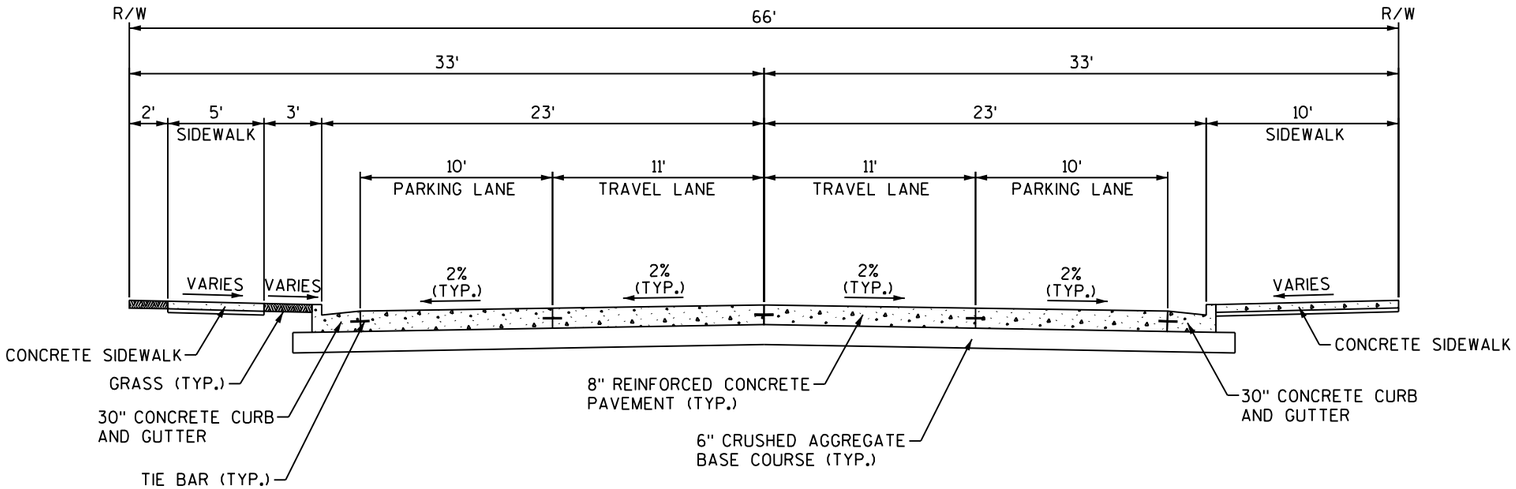
(WEST RACINE STREET - WEST COURT STREET)
11+89.13 - 33+05.32



EXISTING SIDE STREET TYPICAL SECTION

(UNION STREET, ROCK STREET, WEST HOLMES STREET)

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EXISTING TYPICAL SECTIONS	SHEET 4	E



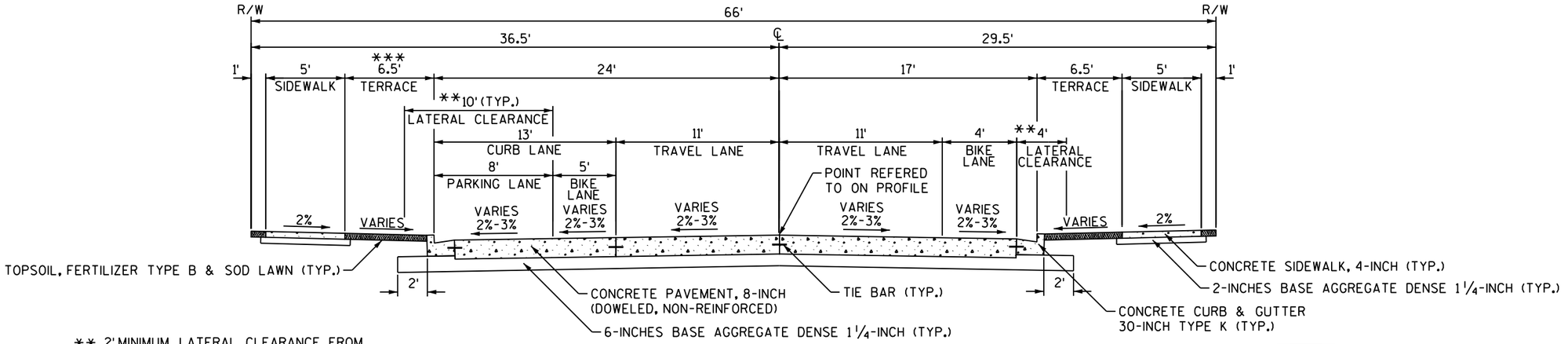
EXISTING SIDE STREET TYPICAL SECTION

(WEST VAN BUREN STREET, McKINLEY STREET)

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EXISTING TYPICAL SECTIONS	SHEET 5	E

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

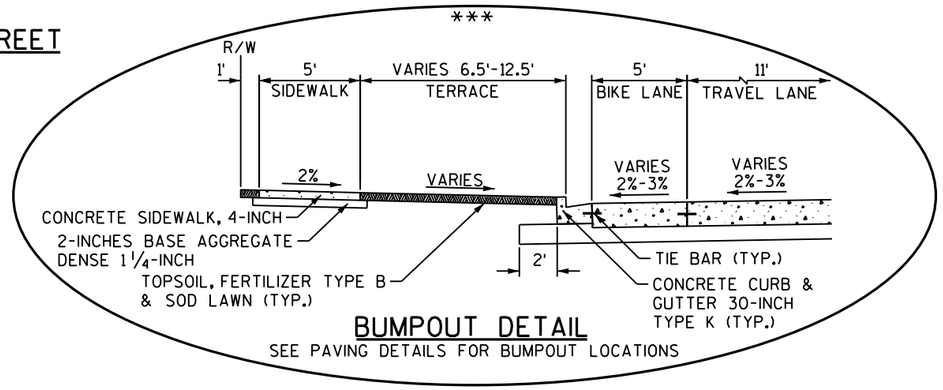
Existing Typical Sections 02.dgn 10/30/2012 3:31:13 PM jdolens



** 2' MINIMUM LATERAL CLEARANCE FROM FACE OF CURB MUST BE MAINTAINED.

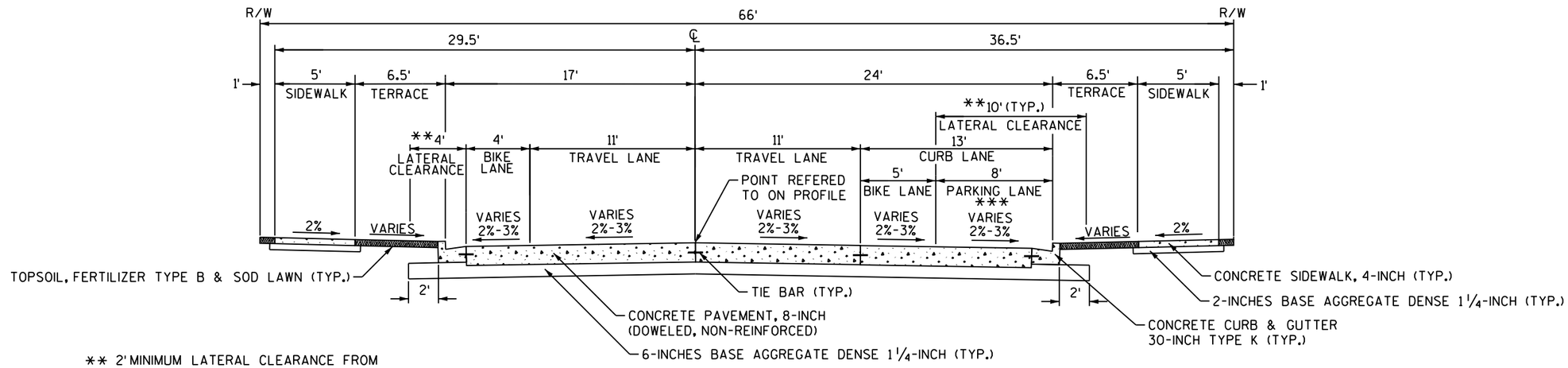
PROPOSED TYPICAL SECTION - RIVER STREET

(WEST RACINE STREET - WEST HOLMES STREET)
STA. 11+89.13 - STA. 23+70



BUMPOUT DETAIL

SEE PAVING DETAILS FOR BUMPOUT LOCATIONS

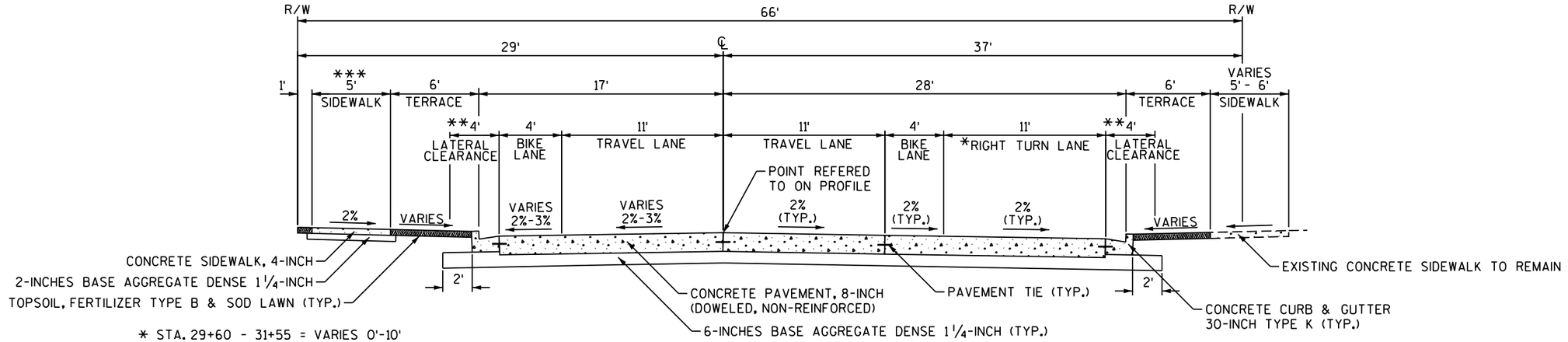


** 2' MINIMUM LATERAL CLEARANCE FROM FACE OF CURB MUST BE MAINTAINED.

PROPOSED TYPICAL SECTION - RIVER STREET

(WEST HOLMES STREET - McKINLEY STREET)
STA. 23+70 - STA. 29+60

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PROPOSED TYPICAL SECTIONS	SHEET 6	E



* STA. 29+60 - 31+55 = VARIES 0'-10'
STA. 31+55 - 31+75 = VARIES 10'-11'
STA. 31+75 - 33+05.32 = 11'

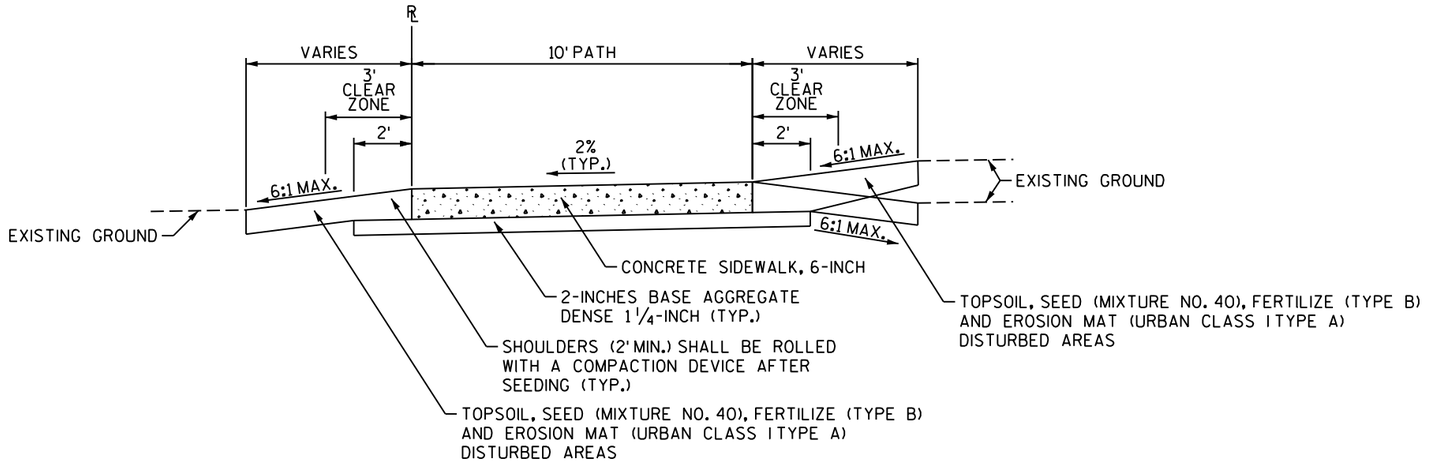
** 2' MINIMUM LATERAL CLEARANCE FROM FACE OF CURB MUST BE MAINTAINED.

*** STA. 32+00 - 32+75 = 6' SIDEWALK

PROPOSED TYPICAL SECTION - RIVER STREET

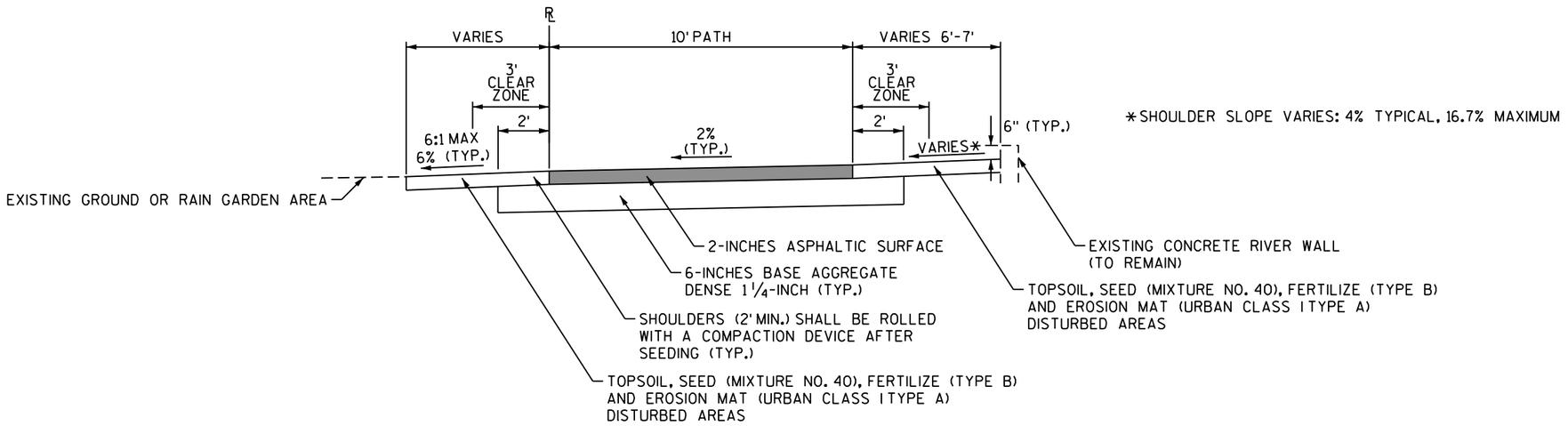
(McKINLEY STREET - WEST COURT STREET)
STA. 29+60 - STA. 33+05.32

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PROPOSED TYPICAL SECTIONS	SHEET 7	E



PROPOSED TYPICAL SECTION - MULTI-USE PATH

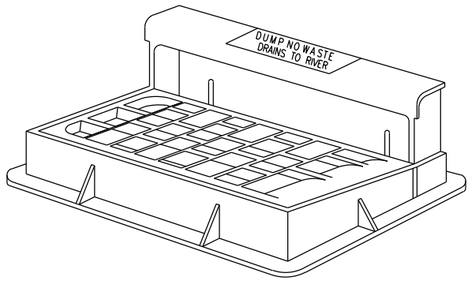
NORTHEAST CORNER OF RACINE STREET
AND RIVER STREET INTERSECTION,
SEE PAVING DETAILS FOR LOCATION



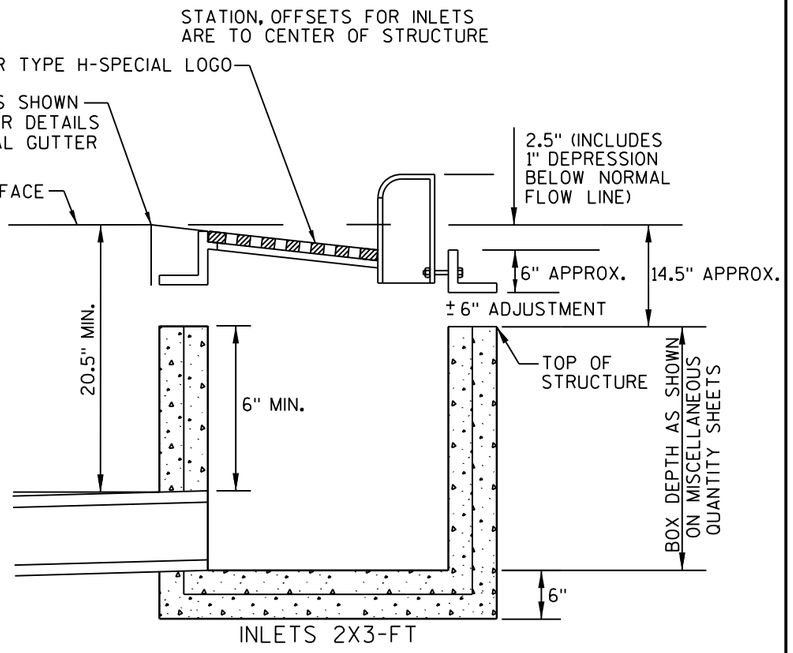
PROPOSED TYPICAL SECTION - MULTI-USE PATH

STA. 16+18 - STA. 101"R"+49
STA. 102"R"+43 - STA. 105"R"+2.5

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PROPOSED TYPICAL SECTIONS	SHEET 8	E

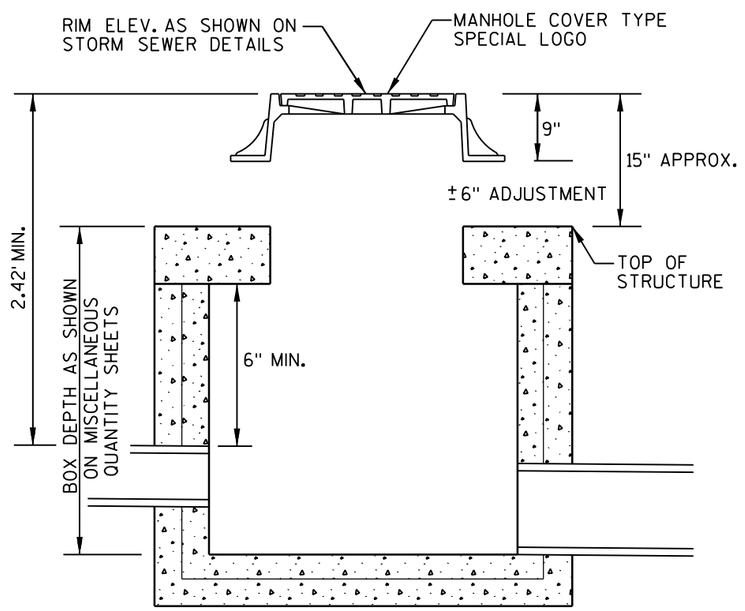


INLET COVER TYPE H-SPECIAL LOGO DETAIL



DETAIL FOR COMPUTING INLET ELEVATIONS
SCALE: NONE

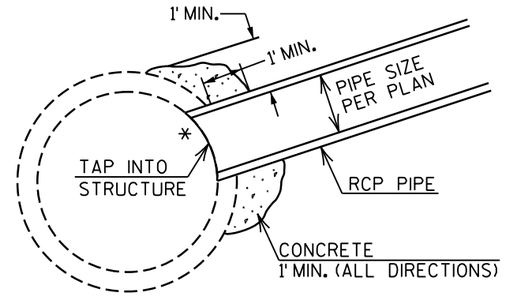
STATION, OFFSETS FOR MANHOLES
ARE TO CENTER OF STRUCTURE



DETAIL FOR COMPUTING MANHOLE ELEVATIONS
SCALE: NONE

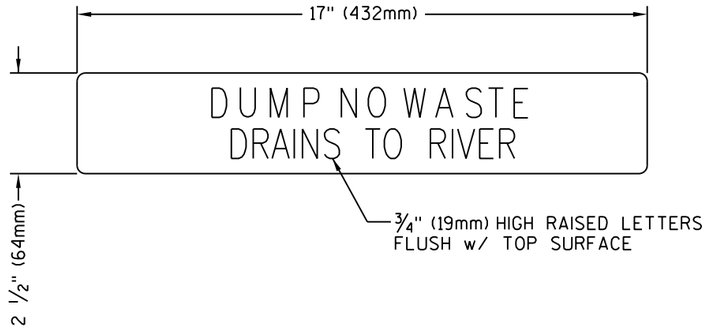
NOTE: CONCRETE INCIDENTAL TO INSTALLATION OF STORM SEWER PIPE

* NO PIPE TO PROTRUDE INTO MANHOLE

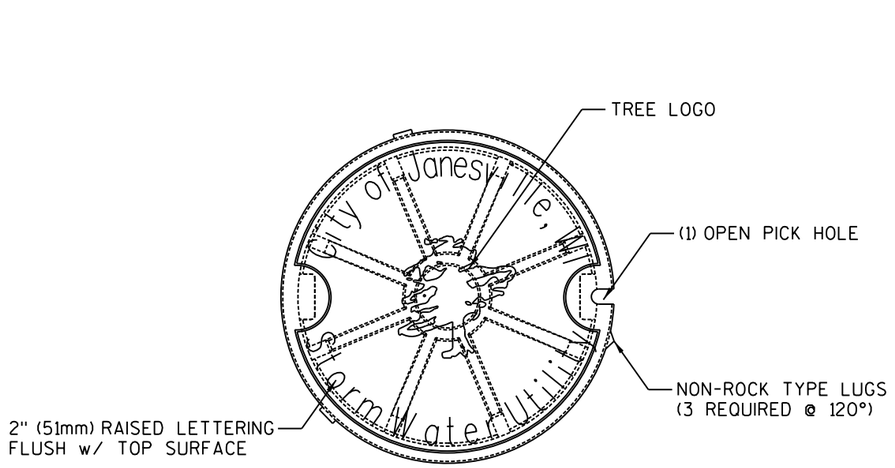


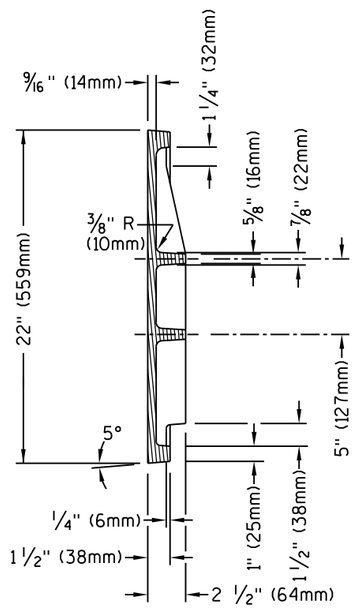
PLAN VIEW

MANHOLE CONNECTION DETAIL
SCALE: NONE



INLET CASTING SPECIAL LOGO DETAIL
SCALE: NONE



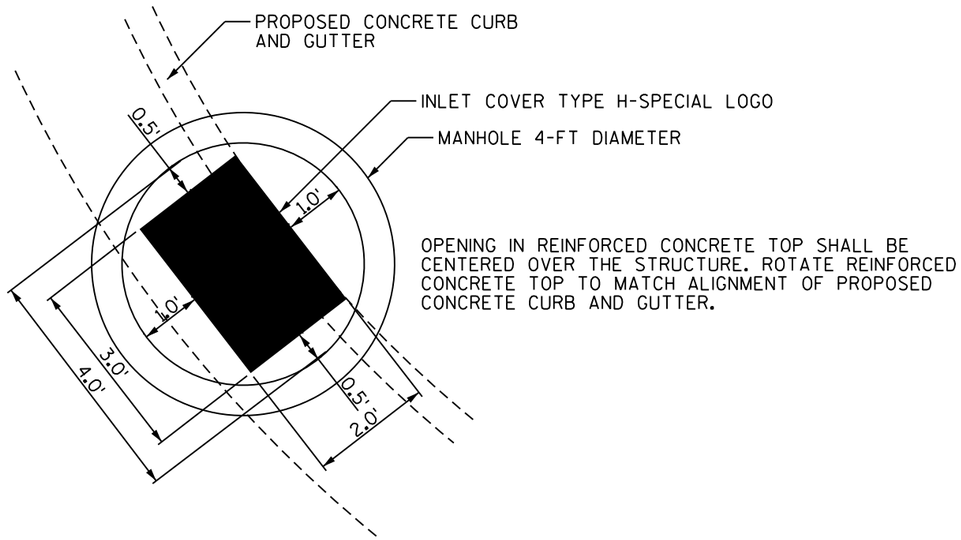


NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 95#

MANOLE COVER TYPE SPECIAL LOGO DETAIL
SCALE: NONE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 10	E

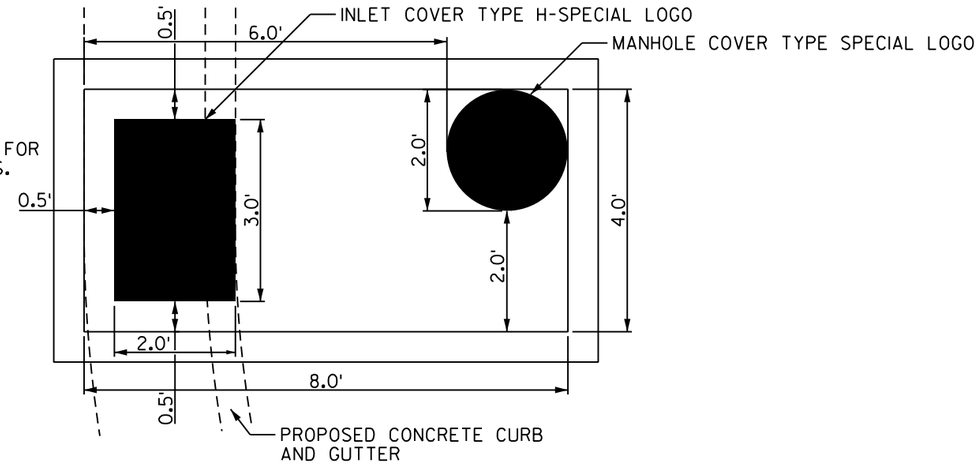
2



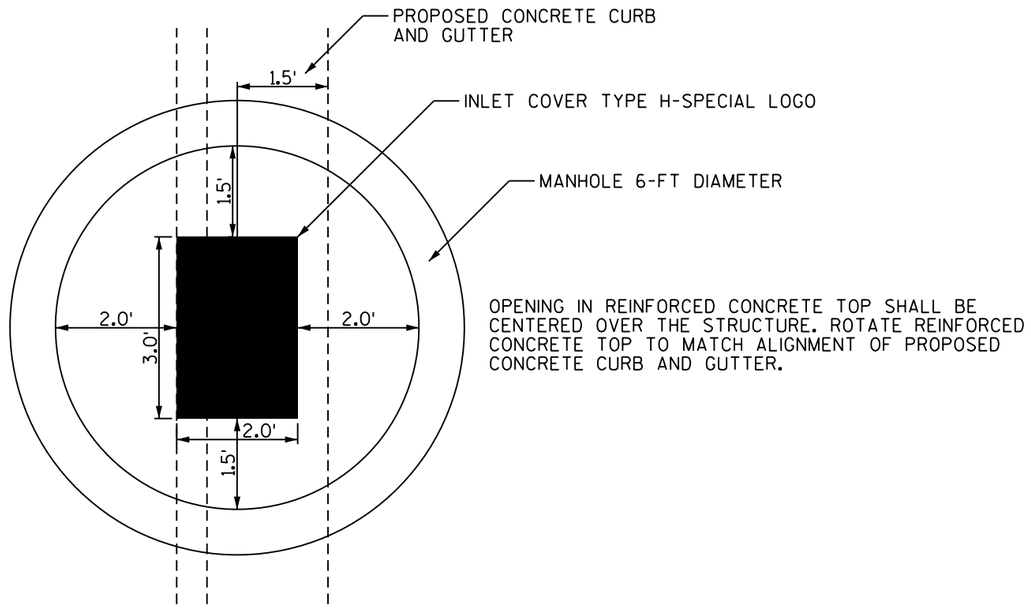
OPENING IN REINFORCED CONCRETE TOP SHALL BE CENTERED OVER THE STRUCTURE. ROTATE REINFORCED CONCRETE TOP TO MATCH ALIGNMENT OF PROPOSED CONCRETE CURB AND GUTTER.

MANHOLE TYPE 1 WITH INLET COVER TYPE H-SPECIAL LOGO DETAIL
SCALE: NONE

SEE MANHOLE 4'x8' SPECIAL DETAIL FOR STRUCTURE BUILDING SPECIFICATIONS.



MANHOLE 4'x8' SPECIAL CASTING LOCATION DETAIL
SCALE: NONE

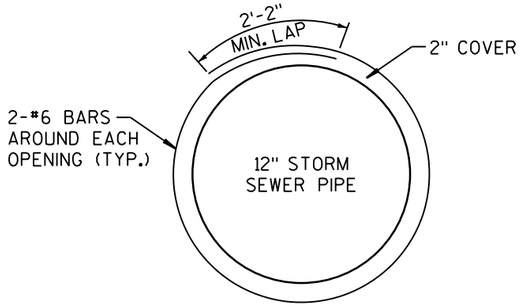


OPENING IN REINFORCED CONCRETE TOP SHALL BE CENTERED OVER THE STRUCTURE. ROTATE REINFORCED CONCRETE TOP TO MATCH ALIGNMENT OF PROPOSED CONCRETE CURB AND GUTTER.

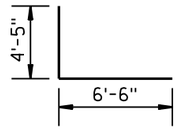
MANHOLE TYPE 3 WITH INLET COVER TYPE H-SPECIAL LOGO DETAIL
SCALE: NONE

STORM SEWER STRUCTURE DETAILS
SCALE: NONE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 11	E

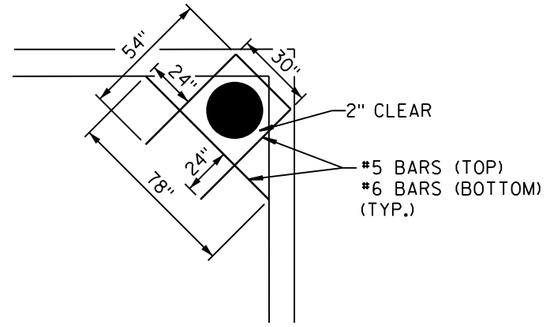


BARS AROUND PIPE OPENING

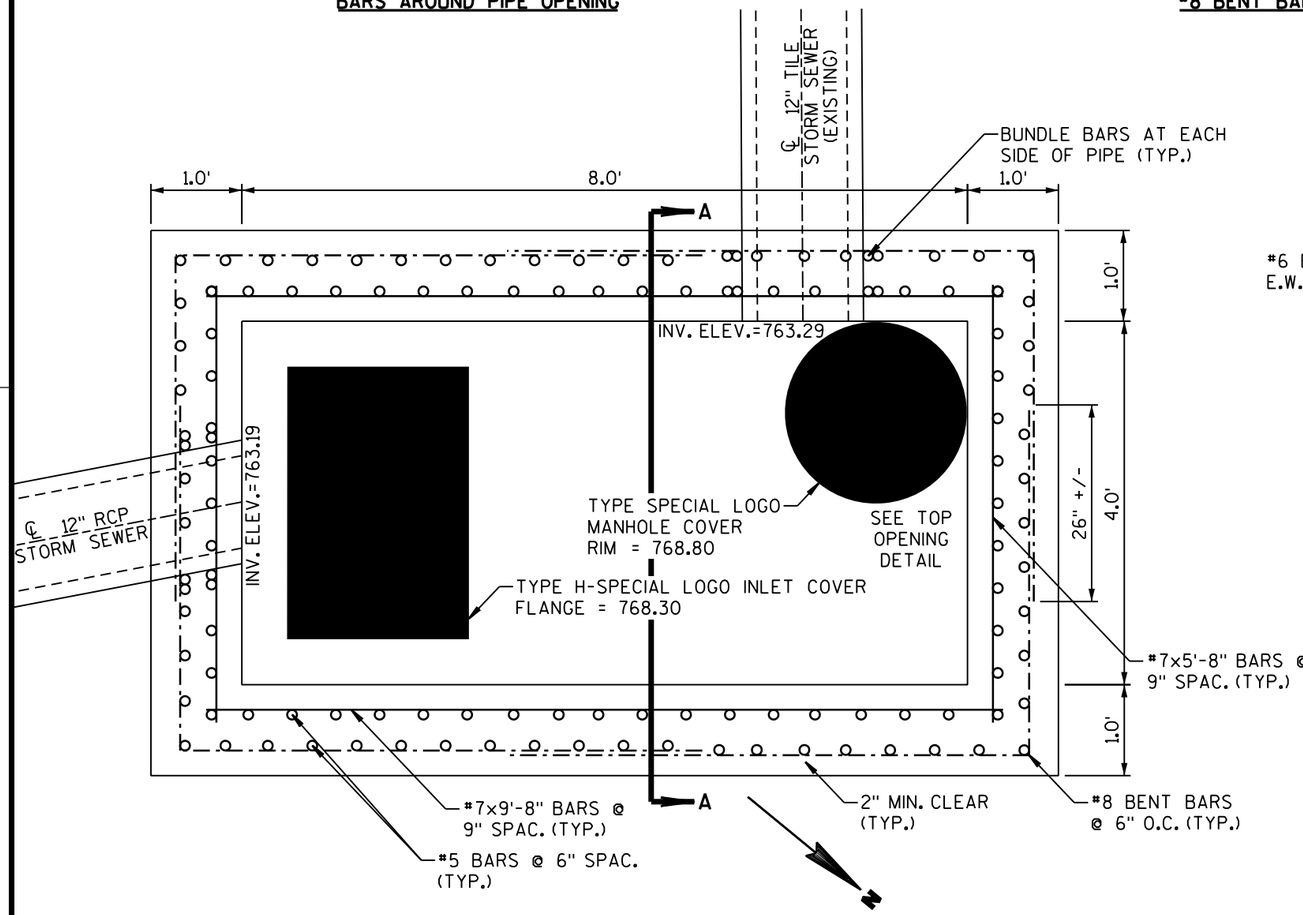


#8 BENT BARS TO BE FIELD CUT OR BENT
TO MAINTAIN 2" CL. AT PIPE OPENINGS

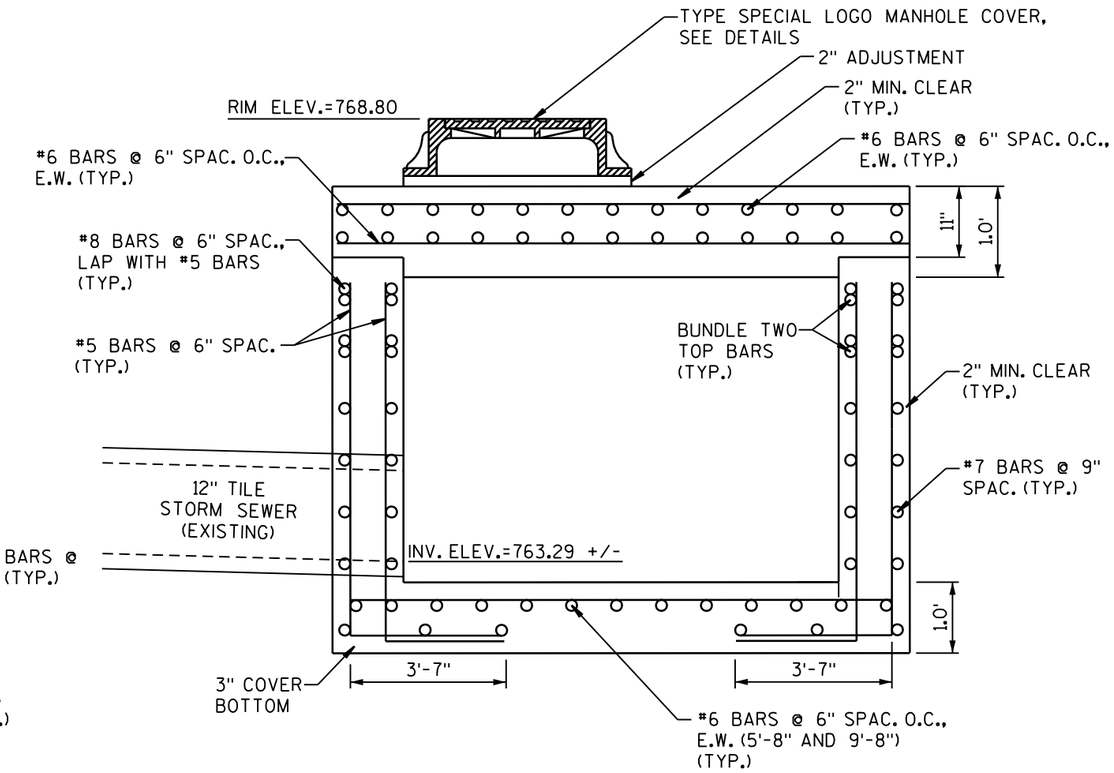
#8 BENT BARS



TOP OPENING



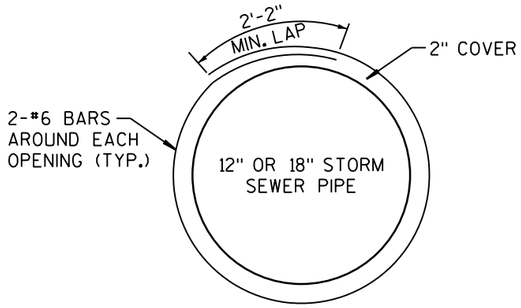
PLAN VIEW
(STRUCTURE 6.0)



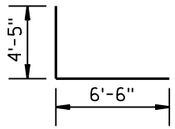
ELEVATION VIEW A-A

MANHOLE 4'x8' SPECIAL DETAIL (STRUCTURE 6.0)
SCALE: NONE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 12	E

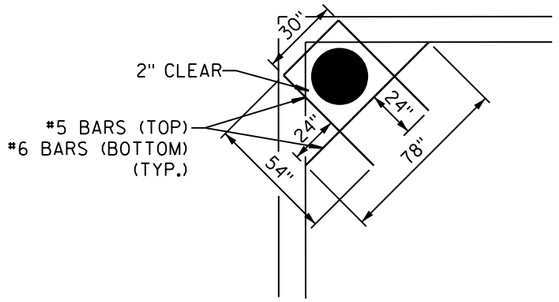


BARS AROUND PIPE OPENING

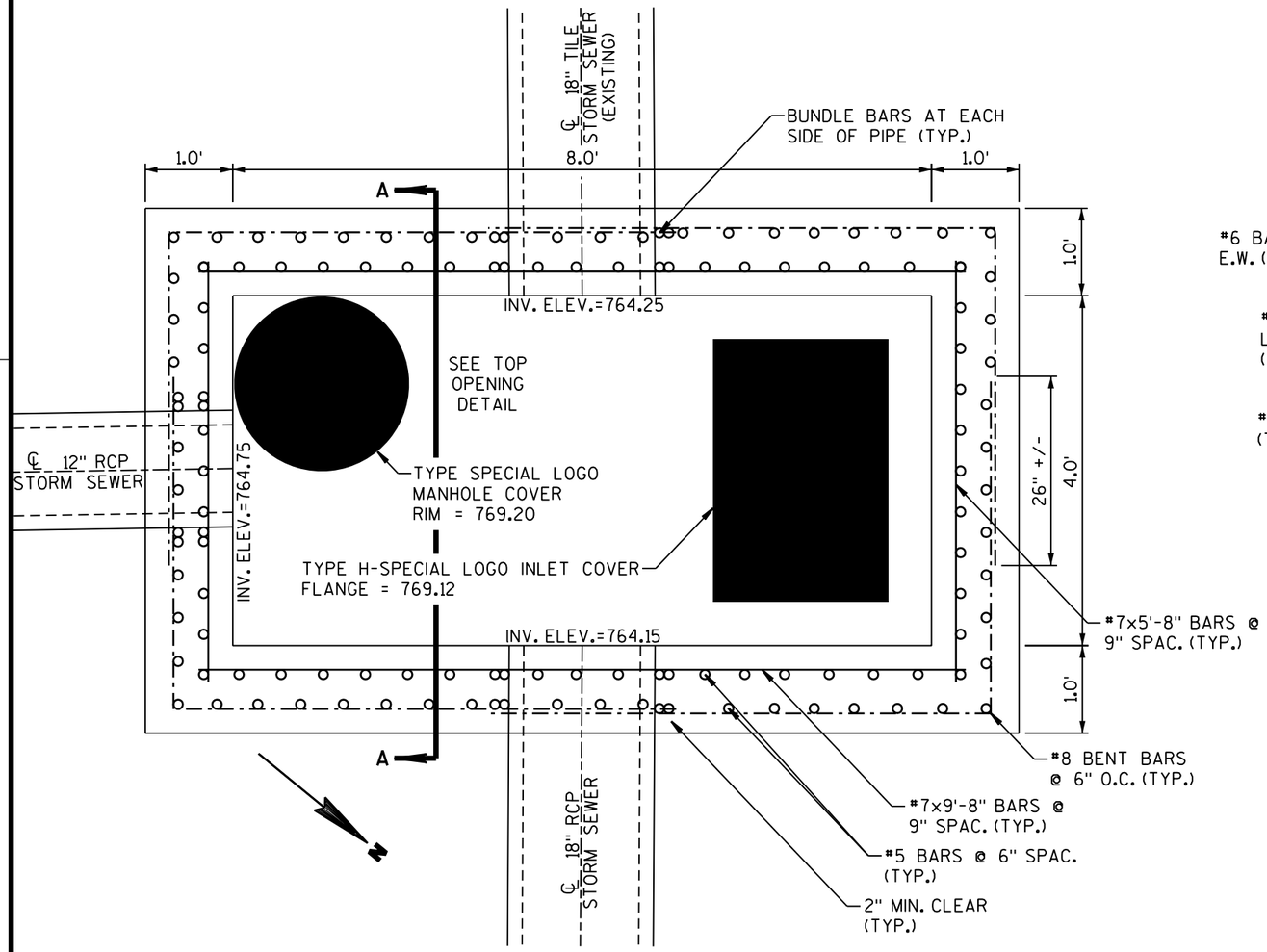


#8 BENT BARS TO BE FIELD CUT OR BENT
TO MAINTAIN 2" CL. AT PIPE OPENINGS

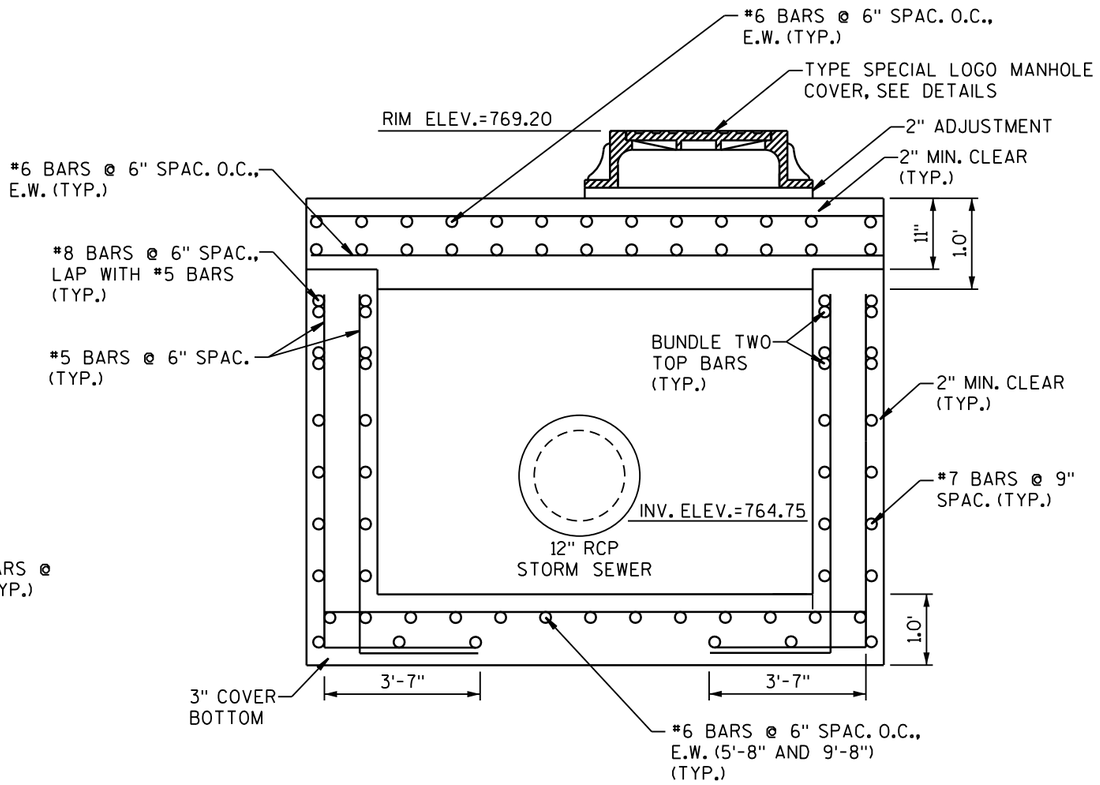
#8 BENT BARS



TOP OPENING



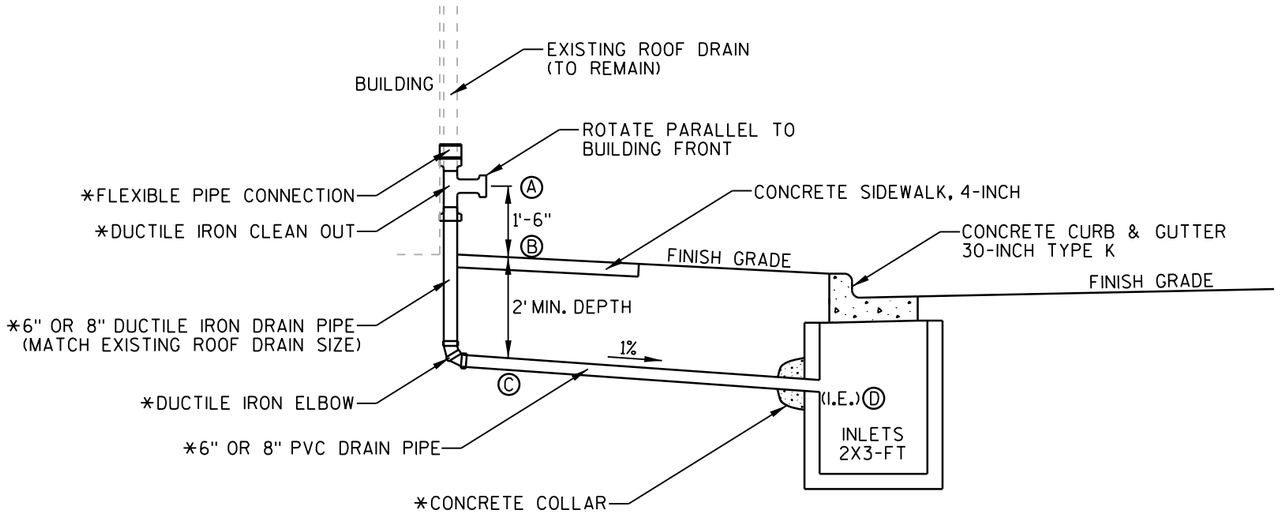
PLAN VIEW
(STRUCTURE 17.0)



ELEVATION VIEW A-A

MANHOLE 4'x8' SPECIAL DETAIL (STRUCTURE 17.0)
SCALE: NONE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 13	E

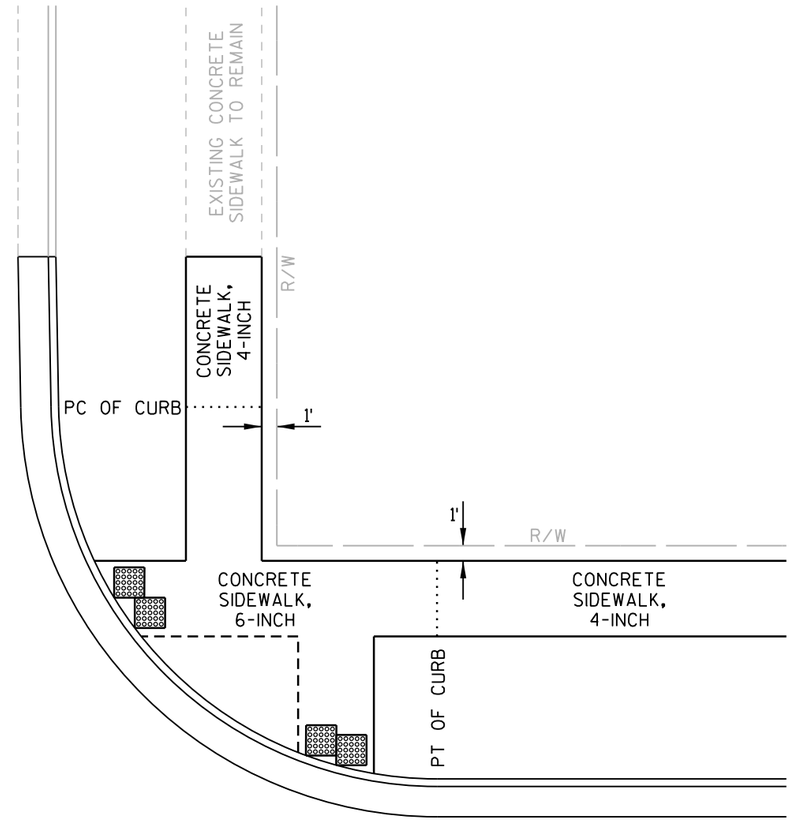


*INCIDENTAL TO THE BID ITEM 'ROOF DRAIN CONNECTION'

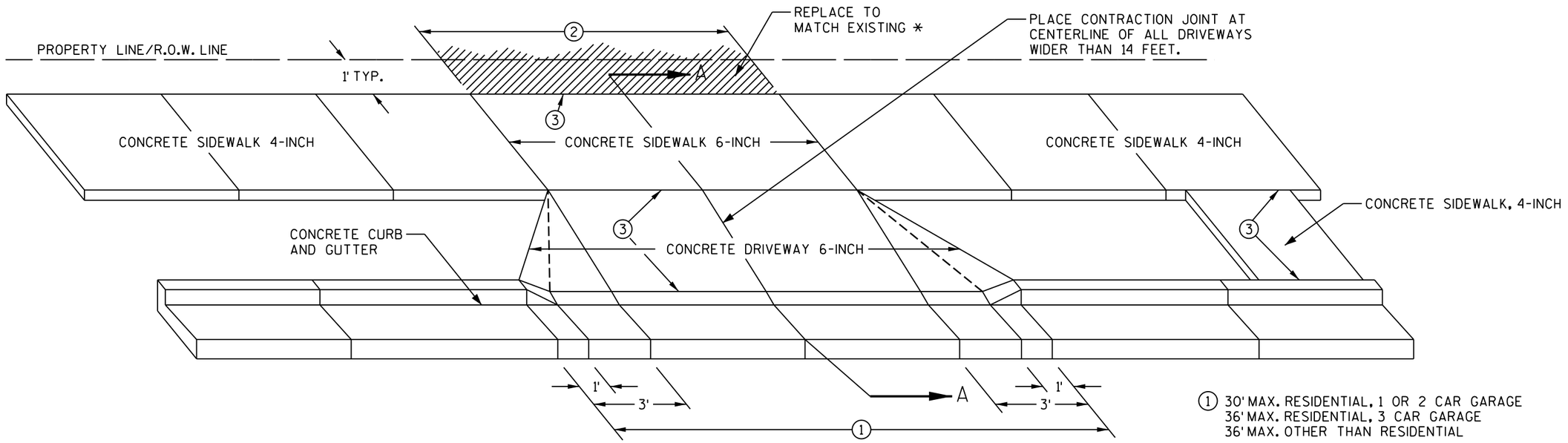
STATION	LOCATION	A	B	C	D	PIPE LENGTH
25+68.5	29'LT.	769.92	768.42	765.75	765.62	13 L.F.

NOTE: ALL ELEVATIONS ARE APPROXIMATE. ADJUST ELEVATIONS AS NECESSARY TO MATCH EXISTING FIELD CONDITIONS.

ROOF DRAIN CONNECTION DETAIL
SCALE: NONE



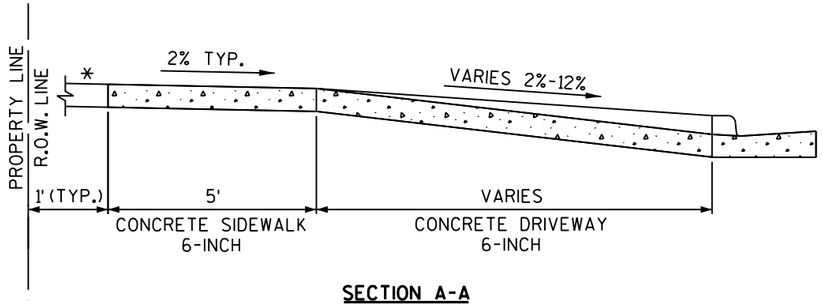
CONCRETE SIDEWALK, 6-INCH PAY LIMITS DETAIL
SCALE: NONE



1. 30' MAX. RESIDENTIAL, 1 OR 2 CAR GARAGE
   36' MAX. RESIDENTIAL, 3 CAR GARAGE
   36' MAX. OTHER THAN RESIDENTIAL
2. 24' MAX. RESIDENTIAL, 1 OR 2 CAR GARAGE
   30' MAX. RESIDENTIAL, 3 CAR GARAGE
   30' MAX. OTHER THAN RESIDENTIAL
3. 1/2-INCH EXPANSION JOINT MATERIAL

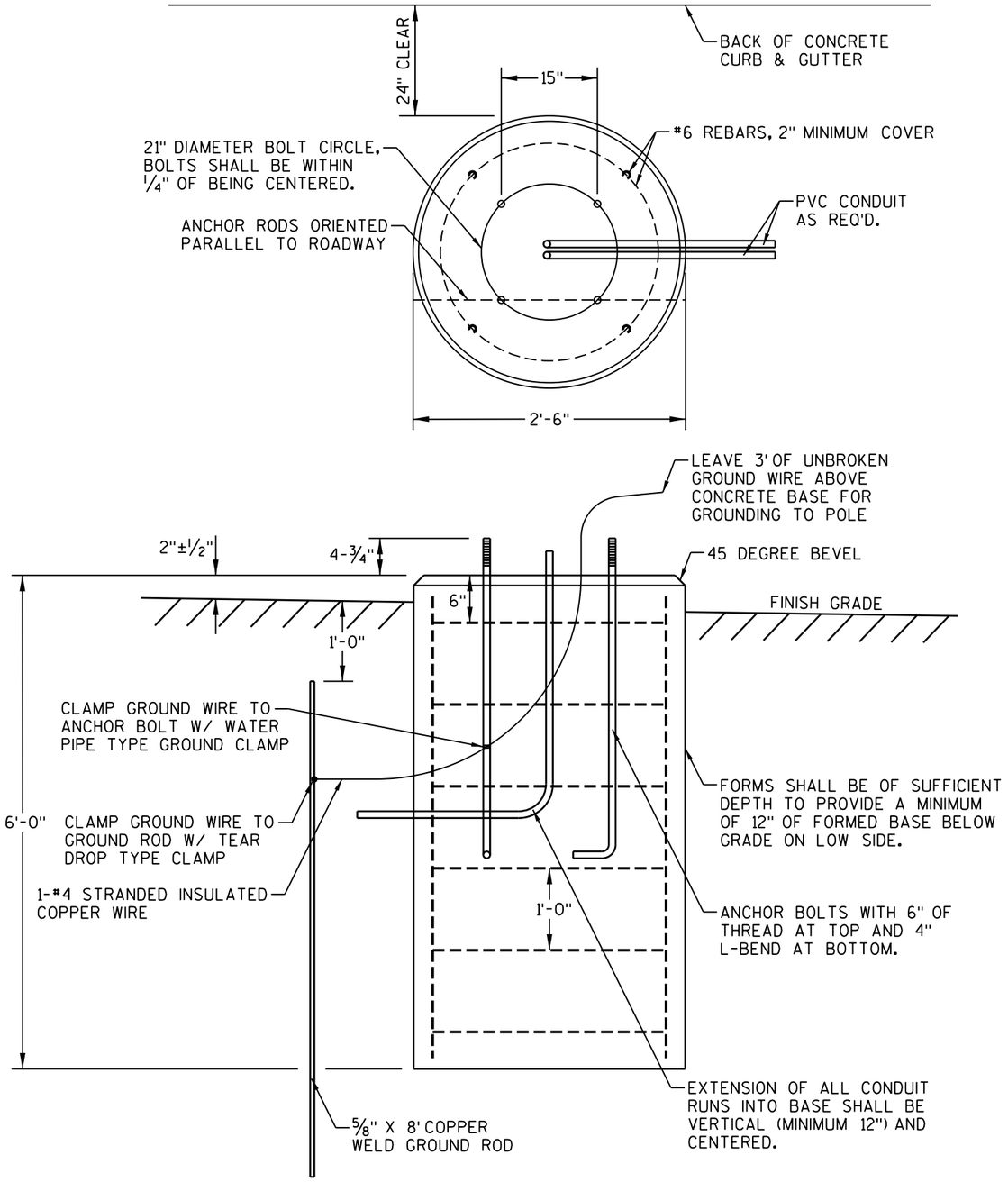
* NOTES FOR REPLACING DRIVEWAYS:

1. ASPHALT - 2-INCHES ASPHALTIC SURFACE ON 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
2. CONCRETE - CONCRETE DRIVEWAY 6-INCH ON 3-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
3. AGGREGATE - 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

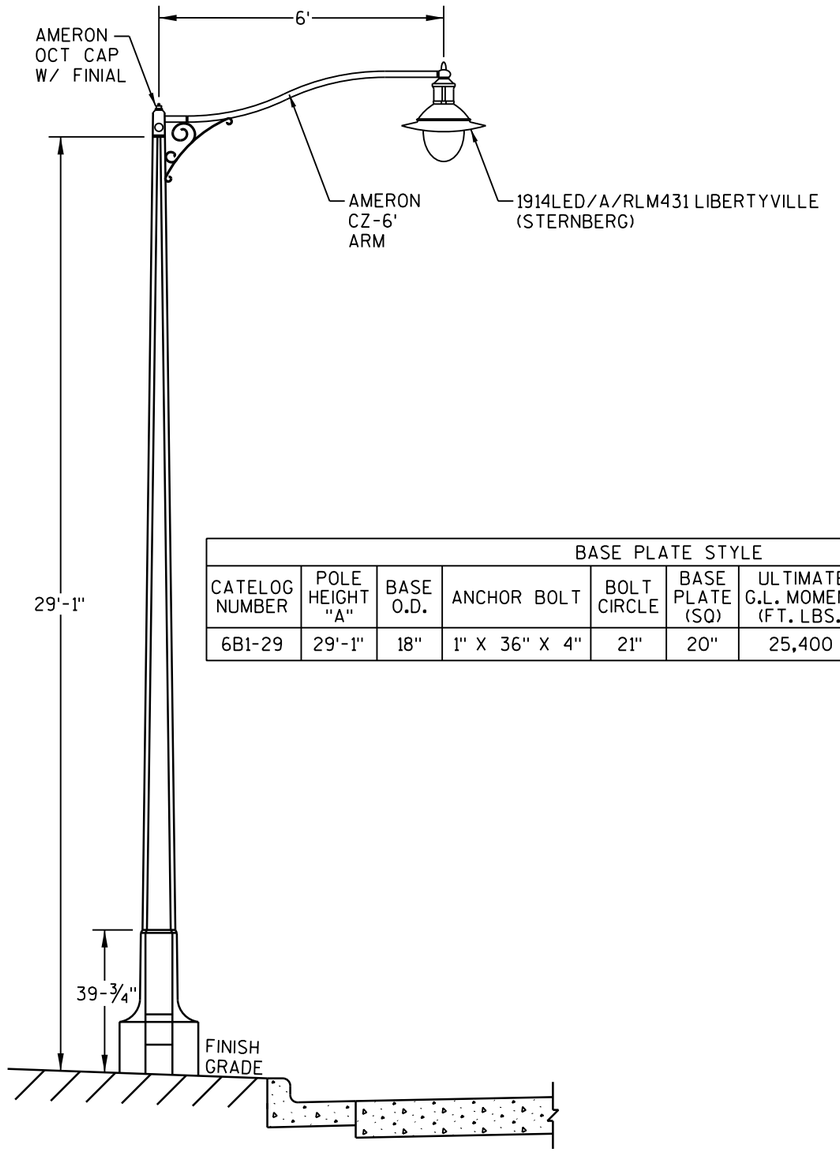


SECTION A-A

DRIVEWAY APPROACHES & TERRACE WALK DETAIL
SCALE: NONE

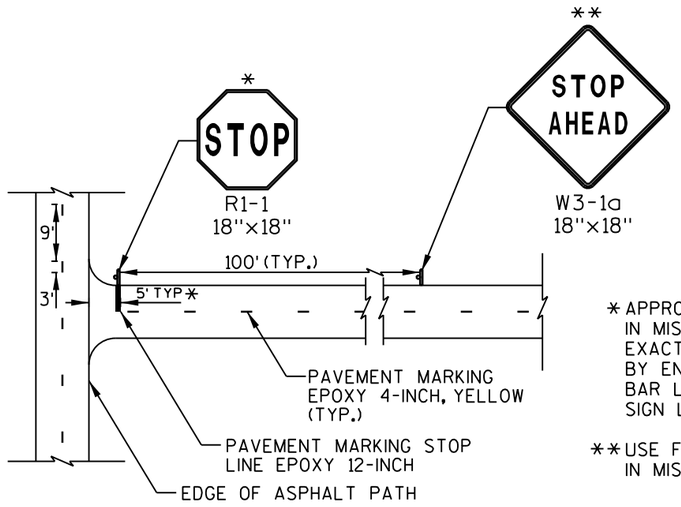


CONCRETE BASE TYPE 3 SPECIAL DETAIL
SCALE: NONE



BASE PLATE STYLE										
CATELOG NUMBER	POLE HEIGHT "A"	BASE O.D.	ANCHOR BOLT	BOLT CIRCLE	BASE PLATE (SQ)	ULTIMATE G.L. MOMENT (FT. LBS.)	WEIGHT (LBS.)	MAXIMUM EPA/MPH (SQ. FT.)		
								80	90	100
6B1-29	29'-1"	18"	1" X 36" X 4"	21"	20"	25,400	1,580	7.5	4.5	2.5

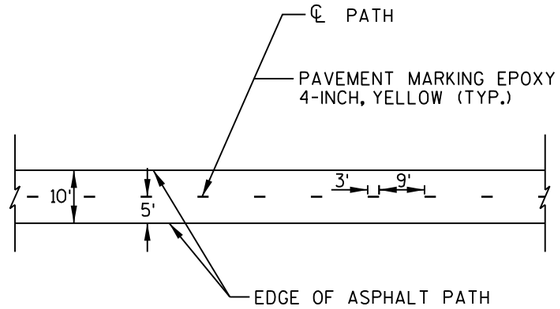
LIGHTING UNIT DETAIL
SCALE: NONE



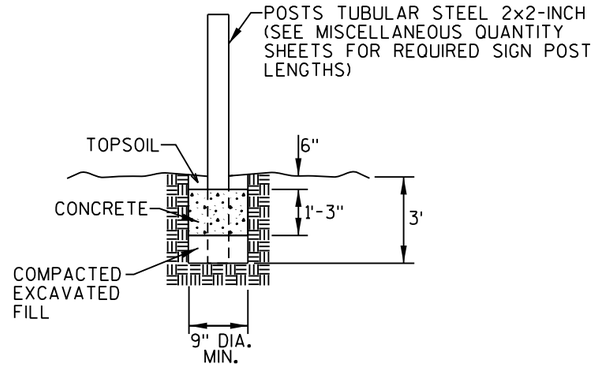
* APPROX. LOCATION CALLED OUT IN MISCELLEANEOUS QUANTITIES. EXACT LOCATION TO BE DETERMINED BY ENGINEER IN THE FIELD. STOP BAR LOCATION TO MATCH STOP SIGN LOCATION.

** USE FOR LOCATIONS CALLED OUT IN MISCELLANEOUS QUANTITIES.

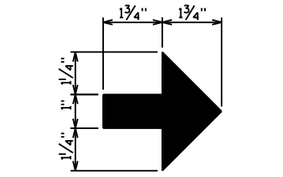
TYPICAL PATH INTERSECTION PAVEMENT MARKING
SCALE: NONE



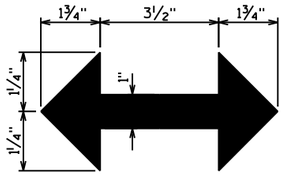
TYPICAL PATH ℄ PAVEMENT MARKING
SCALE: NONE



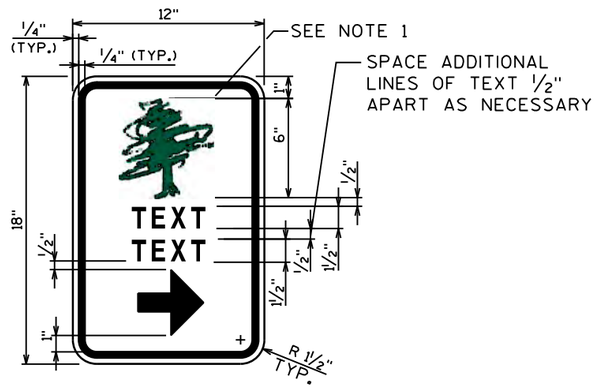
PATH SIGN POST BASE DETAIL
SCALE: NONE



ARROW DETAIL



DOUBLE ARROW DETAIL



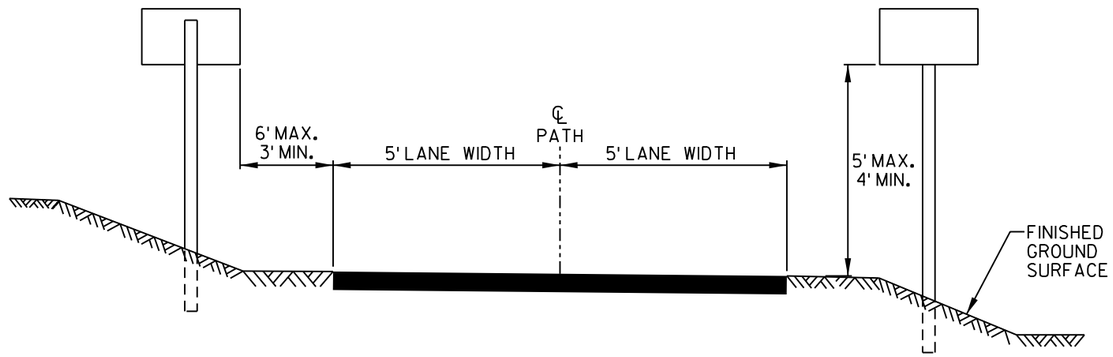
12"x18" SIGN DETAIL (CITY OF JANESVILLE)

NOTES:
(1) CITY OF JANESVILLE TREE GRAPHIC TO BE OBTAINED FROM CITY OF JANESVILLE PARKS DEPARTMENT. CONTACT TOM PRESNY (608-755-3025).

(2) ALL TEXT, ARROWS, AND GRAPHICS TO BE GREEN AND CENTERED ON THE VERTICAL AXIS OF THE SIGN; BACKGROUND TO BE WHITE.

(3) TO BE PAID FOR UNDER BID ITEM "SIGNS REFLECTIVE TYPE II"

SPECIAL INFORMATIONAL SIGN DETAILS
SCALE: NONE



SIGN PLACMENT ON BIKE PATH DETAIL
SCALE: NONE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 17	E

SOUTH RAIN GARDEN CELL ENGINEERED SOIL STAKING INFORMATION

POINT NO.	STATION	OFFSET
100	16+43.5	54.5' RT.
101	16+46.5	62.5' RT.
102	16+54	65.5' RT.
103	16+71.5	64.5' RT.
104	16+88	66.5' RT.
105	17+25.5	65.5' RT.
106	17+42	59.5' RT.
107	17+56.5	59' RT.
108	17+75	62.5' RT.

POINT NO.	STATION	OFFSET
109	18+19	54' RT.
110	18+24	47.5' RT.
111	18+18.5	41.5' RT.
112	17+69.5	40' RT.
113	17+00	52.5' RT.
114	16+79.5	47.5' RT.
115	16+65.5	40.5' RT.
116	16+51	41' RT.

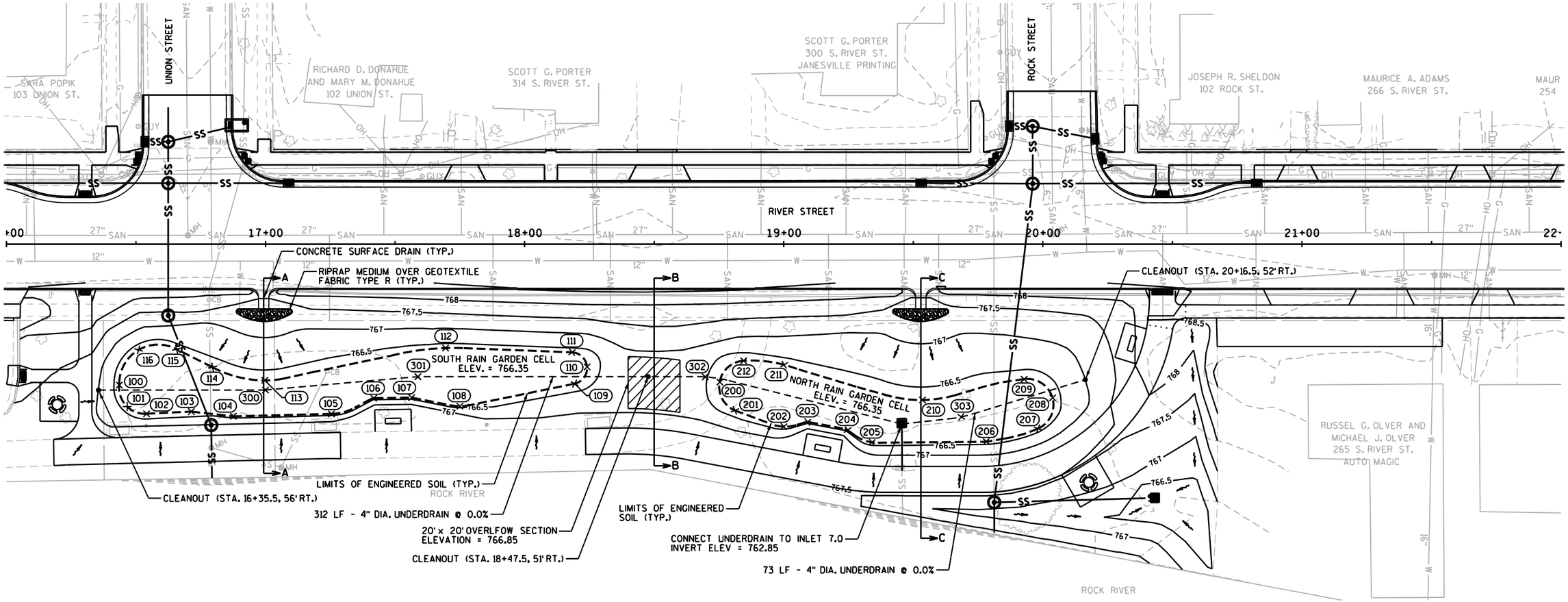
NORTH RAIN GARDEN CELL ENGINEERED SOIL STAKING INFORMATION

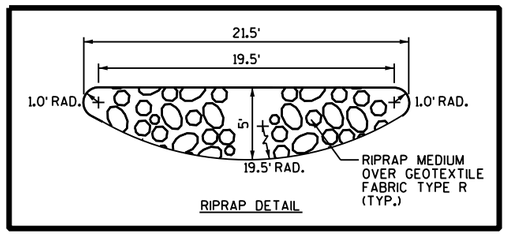
POINT NO.	STATION	OFFSET
200	18+75.5	53' RT.
201	18+81	64' RT.
202	19+00	70.5' RT.
203	19+09	68.5' RT.
204	19+24.5	71.5' RT.
205	19+34	76.5' RT.
206	19+78	76' RT.
207	19+98	71' RT.
208	20+04	59' RT.

POINT NO.	STATION	OFFSET
209	19+93	52' RT.
210	19+53.5	60' RT.
211	19+00	46.5' RT.
212	18+84.5	45' RT.

UNDERDRAIN STAKING INFORMATION

POINT NO.	STATION	OFFSET
300	17+00	56.5' RT.
301	17+59	51' RT.
302	18+70	51' RT.
303	19+69	67' RT.



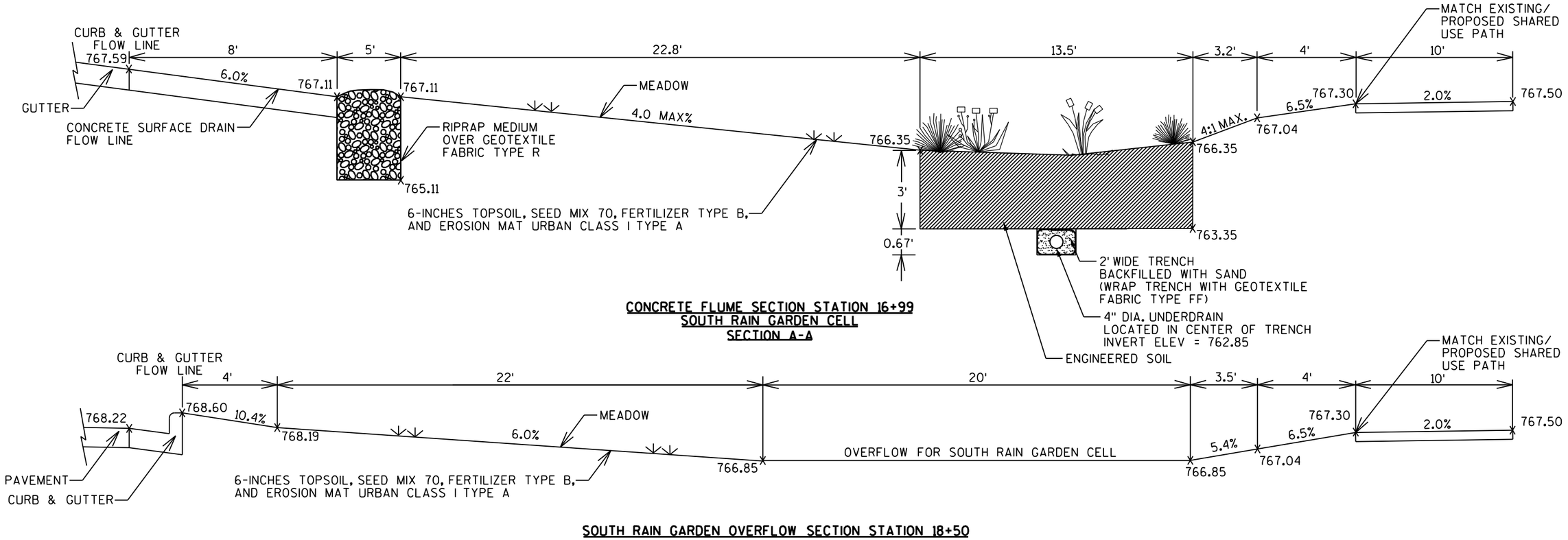


RIPRAP DETAIL

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAIN GARDEN DETAIL - PLAN VIEW	SHEET	E

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

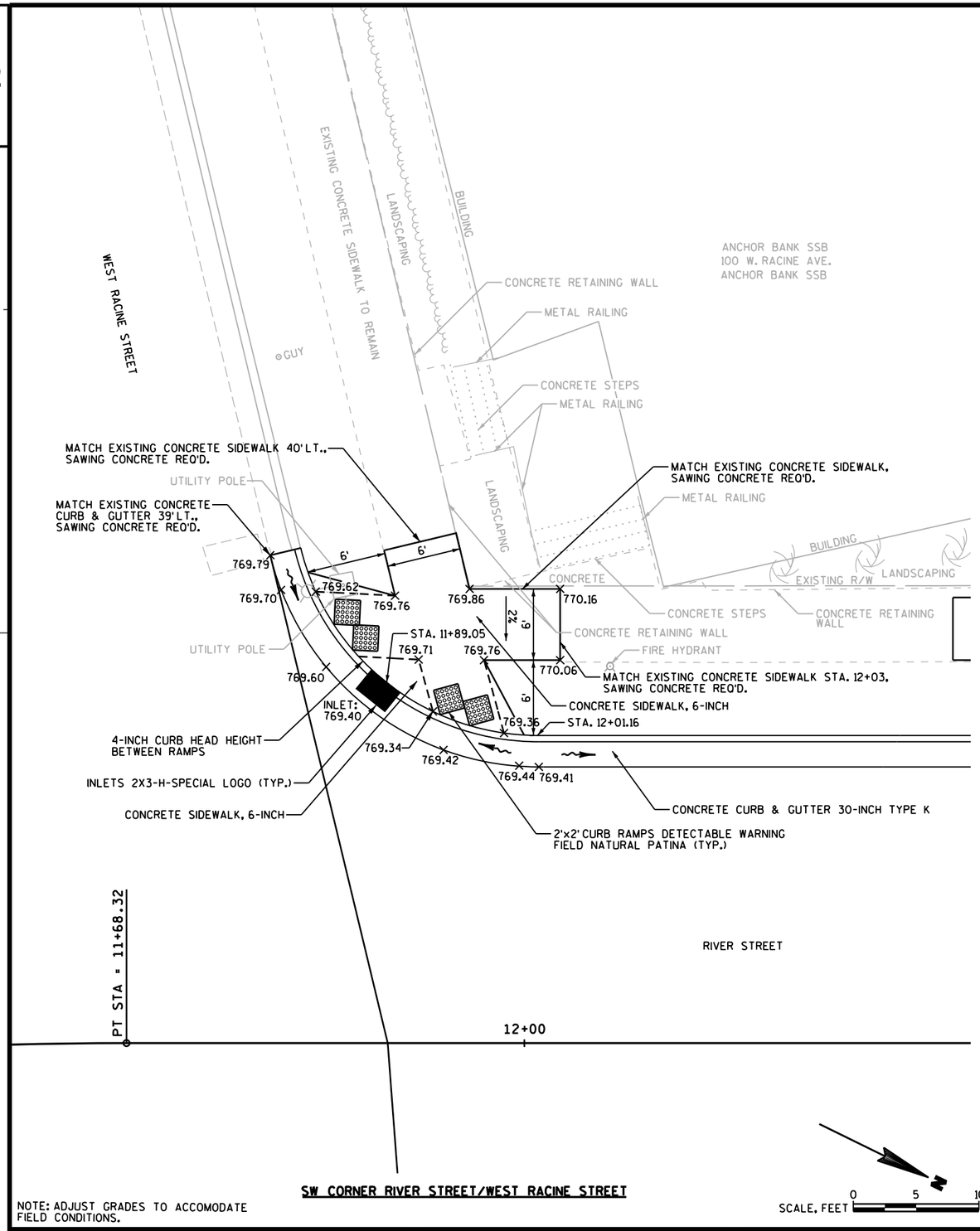
Rain Garden.dgn 10/30/2012 3:31:35 PM jdolens

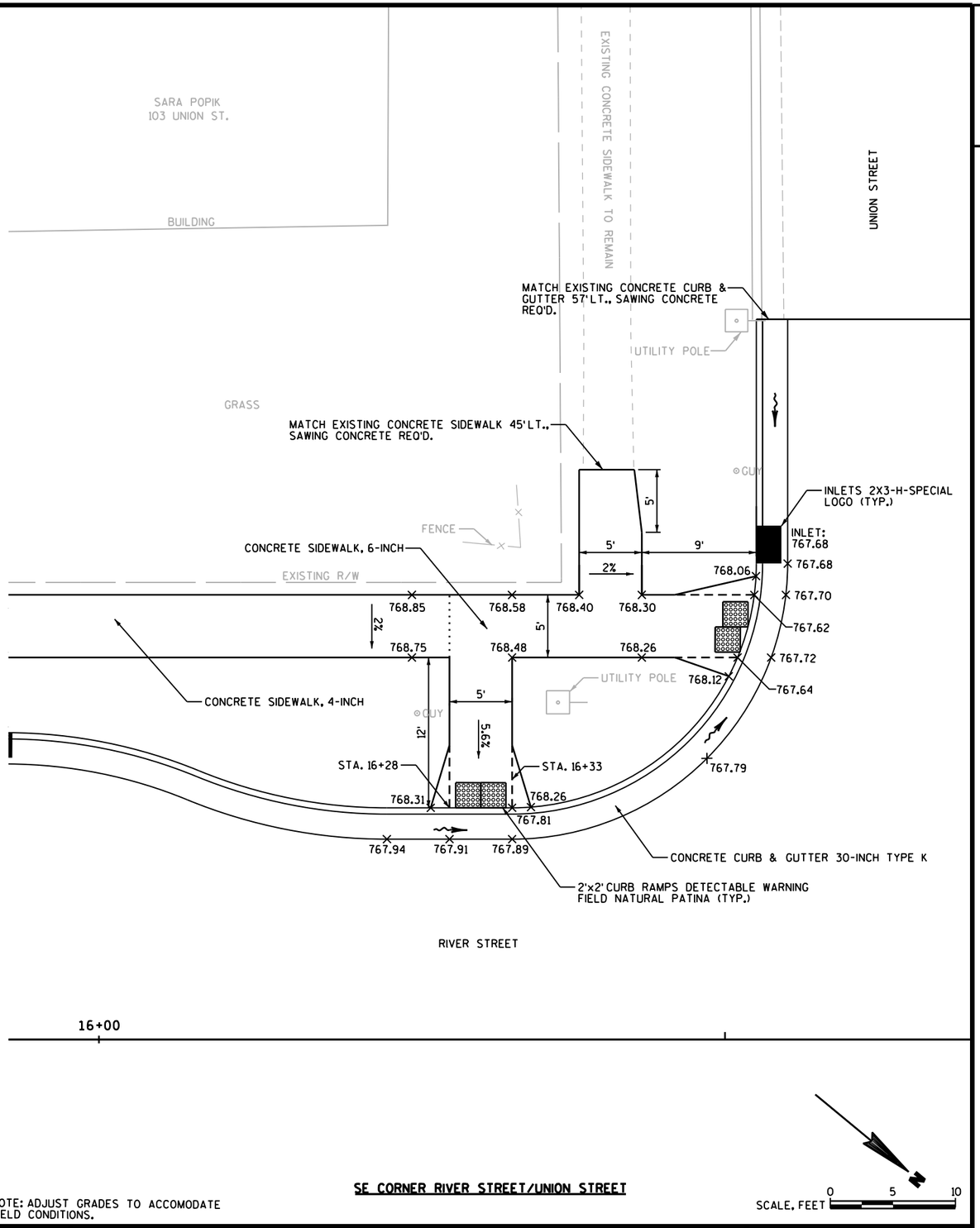


PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAIN GARDEN DETAIL - SECTION VIEW	SHEET	E

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

Rain Garden 02.dgn 10/30/2012 3:31:36 PM jdolens





SW CORNER RIVER STREET/WEST RACINE STREET

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

SCALE, FEET 0 5 10

SE CORNER RIVER STREET/UNION STREET

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

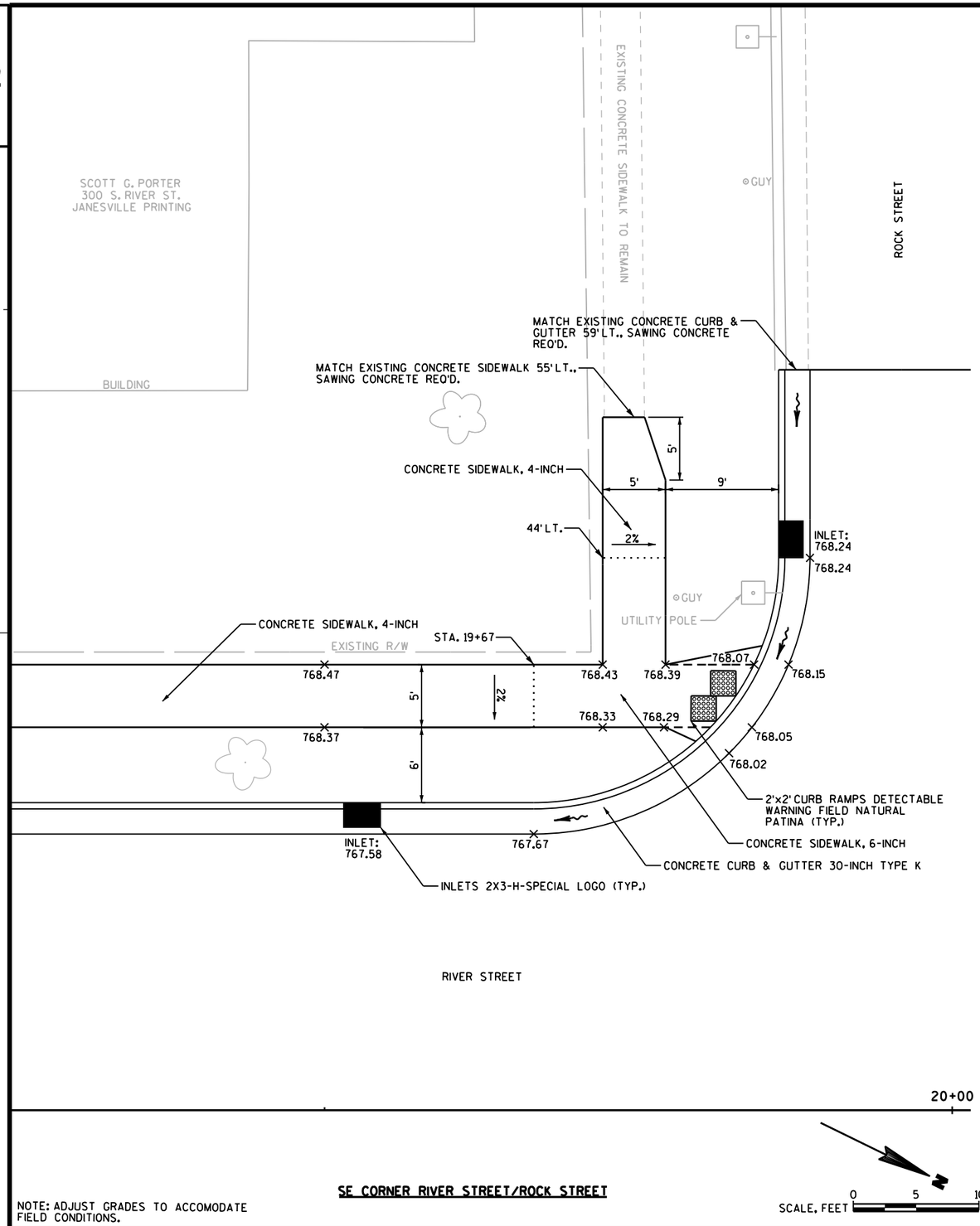
SCALE, FEET 0 5 10

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP DETAILS	SHEET	E

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

WISDOT/CADDS SHEET 42

Ramp Detail 01.dgn 10/30/2012 3:31:39 PM jdolens

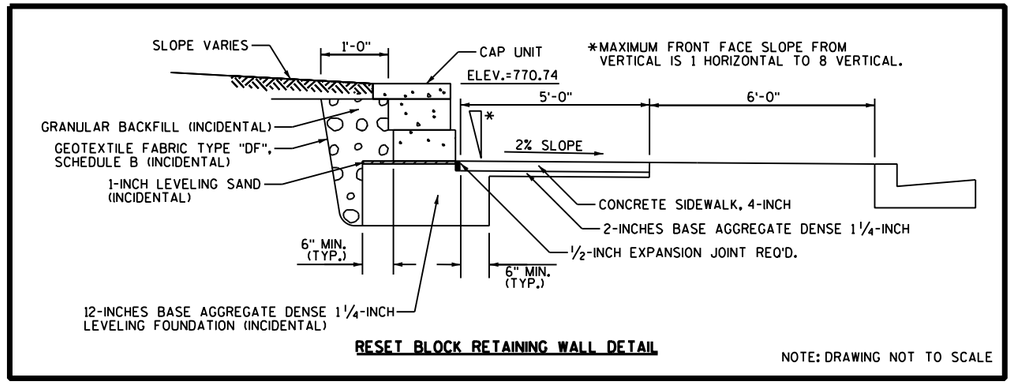


SE CORNER RIVER STREET/ROCK STREET

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

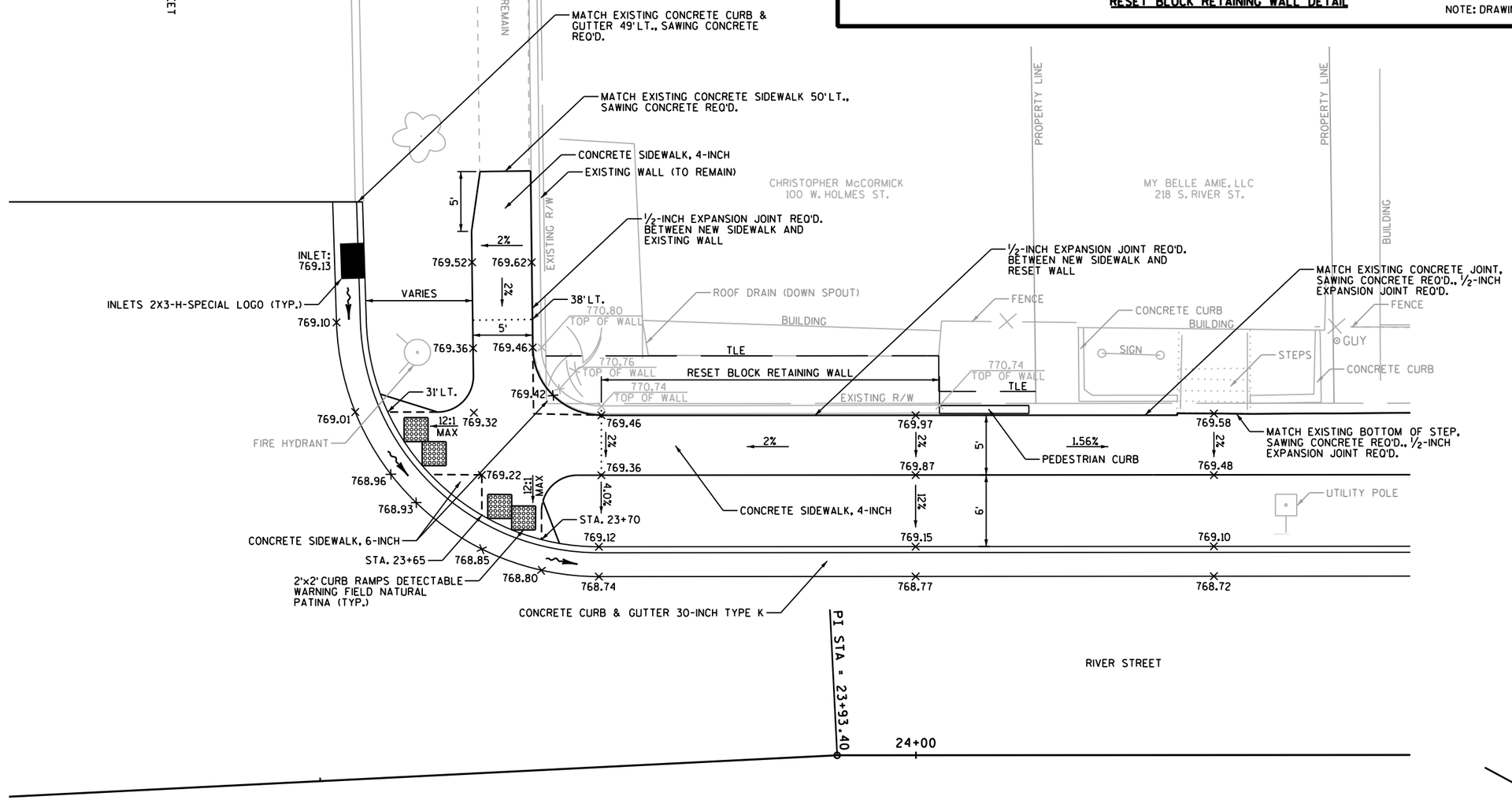
2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP DETAILS	SHEET 21	E



RESET BLOCK RETAINING WALL DETAIL

NOTE: DRAWING NOT TO SCALE



SW CORNER RIVER STREET/WEST HOLMES STREET

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

SCALE, FEET 0 5 10

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP & RESET BLOCK RETAINING WALL DETAIL	SHEET 22	E

2

2

MATCH EXISTING CONCRETE SIDEWALK 101'LT., SAWING CONCRETE REQ'D.

GRADE BREAK

POUR CONCRETE SIDEWALK UP TO BUILDING FACE, 1/2-INCH EXPANSION JOINT REQ'D. 1' FROM BUILDING FACE, 1-INCH EXPANSION JOINT REQ'D. AT BUILDING FACE.

REMOVE ASPHALTIC SURFACE

EXISTING CONCRETE CURB & GUTTER TO REMAIN

CONCRETE SIDEWALK, 4-INCH

WEST VAN BUREN STREET

BUILDING

EXISTING CONCRETE SIDEWALK TO REMAIN

MATCH EXISTING CONCRETE CURB & GUTTER 51'LT., SAWING CONCRETE REQ'D.

MATCH EXISTING CONCRETE SIDEWALK 51'LT., SAWING CONCRETE REQ'D.

CONCRETE SIDEWALK, 4-INCH

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.
HARRIS ACE HARDWARE LLP

RIVER STREET CORP.
170 S. RIVER ST.

MATCH EXISTING CONCRETE SIDEWALK, SAWING CONCRETE REQ'D. 1' FROM BUILDING FACE, 1/2-INCH EXPANSION JOINT REQ'D.

FIRE HYDRANT

2%

37'LT.

INLET: 768.31

INLETS 2X3-H-SPECIAL LOGO (TYP.)

CONCRETE SIDEWALK, 6-INCH

768.32

12:1 MAX

768.26

4' MIN.

768.22

768.18

768.27

768.28

768.30

1'

BUILDING

EXISTING R/W

5'

2%

768.17

768.18

12:1 MAX

768.09

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

CONCRETE SIDEWALK, 4-INCH

UTILITY POLE

6'

STA. 26+25

CONCRETE CURB & GUTTER 30-INCH TYPE K

CONCRETE SIDEWALK, 6-INCH

INLET: 767.74

767.81

767.86

STA. 26+30

2%

GUY

INLET: 768.35

1'

37'LT.

CONCRETE SIDEWALK, 6-INCH

768.33

768.80

12:1 MAX

768.90

CONCRETE STEP/DOOR

4' MIN.

STA. 27+10

768.31

768.70

768.80

768.82

768.88

BUILDING

EXISTING R/W

5'

2%

CONCRETE CURB & GUTTER 30-INCH TYPE K (REJECT)

768.72

768.78

12:1 MAX

768.24

GUY

CONCRETE SIDEWALK, 4-INCH

6'

UTILITY POLE

CONCRETE SIDEWALK, 6-INCH

STA. 27+03

INLET: 768.13

768.17

768.15

STA. 27+08

CONCRETE CURB & GUTTER 30-INCH TYPE K

RIVER STREET

SE & SW CORNER RIVER STREET/WEST VAN BUREN STREET

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

SCALE, FEET 0 5 10

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP DETAILS	SHEET 23	E

2

EXISTING CONCRETE SIDEWALK TO REMAIN

McKINLEY STREET

EXISTING CONCRETE SIDEWALK TO REMAIN

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 S. RIVER ST.

MATCH EXISTING CONCRETE SIDEWALK 55.5'LT., SAWING CONCRETE REQ'D.

UTILITY POLE

MATCH EXISTING CONCRETE CURB & GUTTER 49.0'LT., SAWING CONCRETE REQ'D.

MATCH EXISTING CONCRETE CURB & GUTTER 45.0'LT., SAWING CONCRETE REQ'D.

MATCH EXISTING CONCRETE SIDEWALK 44.5'LT., SAWING CONCRETE REQ'D.

CONCRETE SIDEWALK, 4-INCH

CONCRETE SIDEWALK, 4-INCH

BUILDING

MATCH EXISTING CONCRETE SIDEWALK, SAWING CONCRETE REQ'D. 1' FROM BUILDING FACE, ½-INCH EXPANSION JOINT REQ'D.

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D., 2-INCHES ASPHALTIC SURFACE

1'

2%

5'

2.5'

INLET: 768.98

INLET: 769.12

769.11

INLETS 2X3-H-SPECIAL LOGO (TYP.)

12:1 MAX

769.47

769.51

1'

769.08

MATCH EXISTING CONCRETE SIDEWALK, SAWING CONCRETE REQ'D. 1' FROM BUILDING FACE, ½-INCH EXPANSION JOINT REQ'D.

CONCRETE SIDEWALK, 6-INCH

DOOR

POUR CONCRETE SIDEWALK UP TO BUILDING FACE, ½-INCH EXPANSION JOINT REQ'D. 1' FROM BUILDING FACE. 1-INCH EXPANSION JOINT REQ'D. AT BUILDING FACE.

BUILDING

EXISTING R/W

35'LT.

769.25

GUY

768.95

4' MIN.

769.35

769.06

769.37

769.35

769.35

769.54

CONCRETE SIDEWALK, 6-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE K

ASPHALT

2%

769.25

769.44

5'

CONCRETE CURB & GUTTER 30-INCH TYPE K (REJECT)

768.95

12:1 MAX

5.5'

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D., 2-INCHES ASPHALTIC SURFACE

769.27

769.27

769.17

769.20

769.07

STA. 30+37

STA. 30+42

CONCRETE SIDEWALK, 4-INCH

1'

2%

769.10

5'

12:1 MAX

GUY

769.07

768.89

CONCRETE SIDEWALK, 6-INCH

CONCRETE SIDEWALK, 6-INCH

STA. 30+29

STA. 29+58

4-INCH CURB HEAD HEIGHT RAMP TO RAMP

768.87

INLET: 768.82

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

CONCRETE CURB & GUTTER 30-INCH TYPE K

5'

6'

CONCRETE SIDEWALK, 4-INCH

UTILITY POLE

768.71

768.70

INLET: 768.67

PT STA = 30+35.49

RIVER STREET

PC STA = 29+56.30

30+00

SE & SW CORNER RIVER STREET/McKINLEY STREET

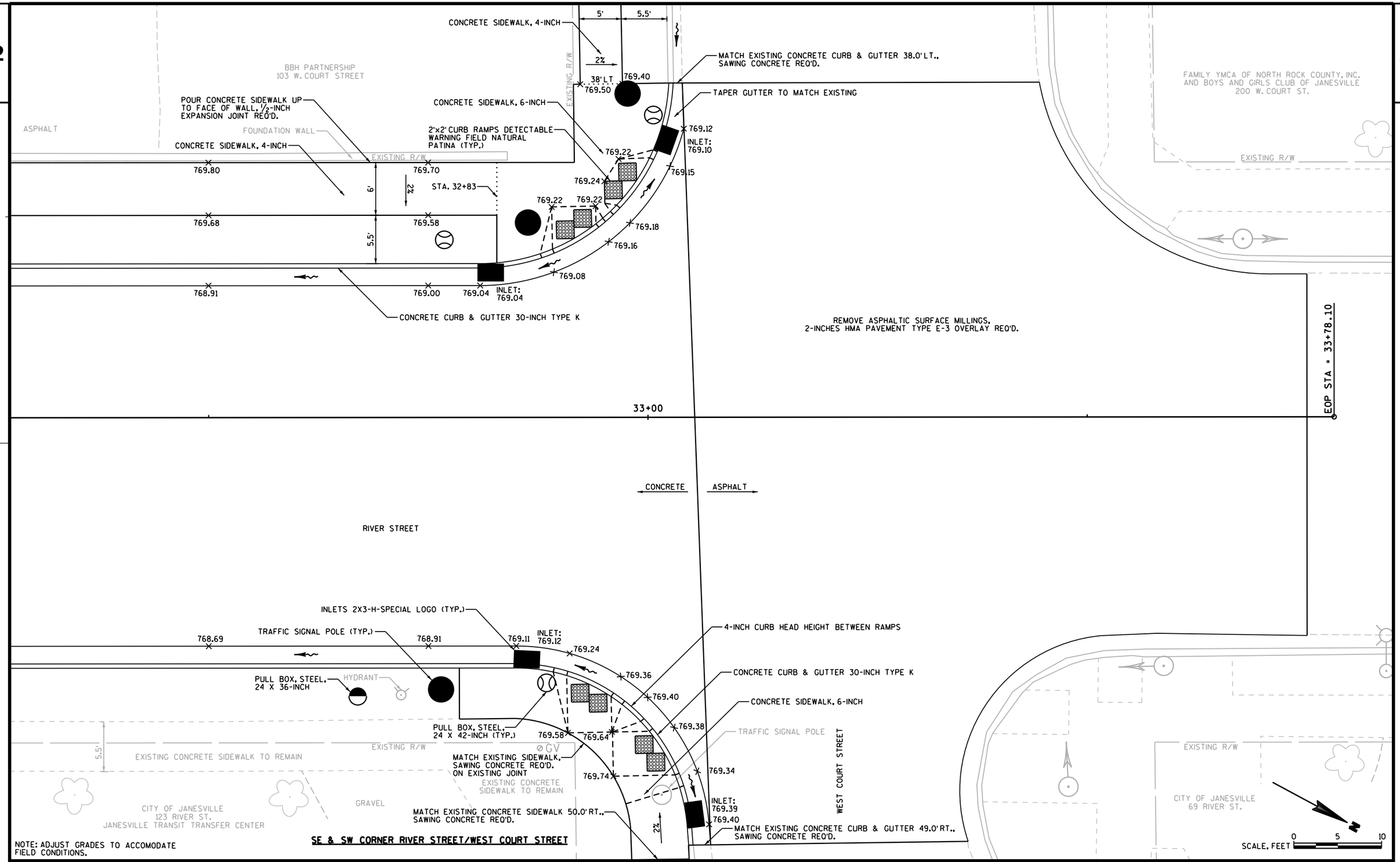
NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

SCALE, FEET 0 5 10

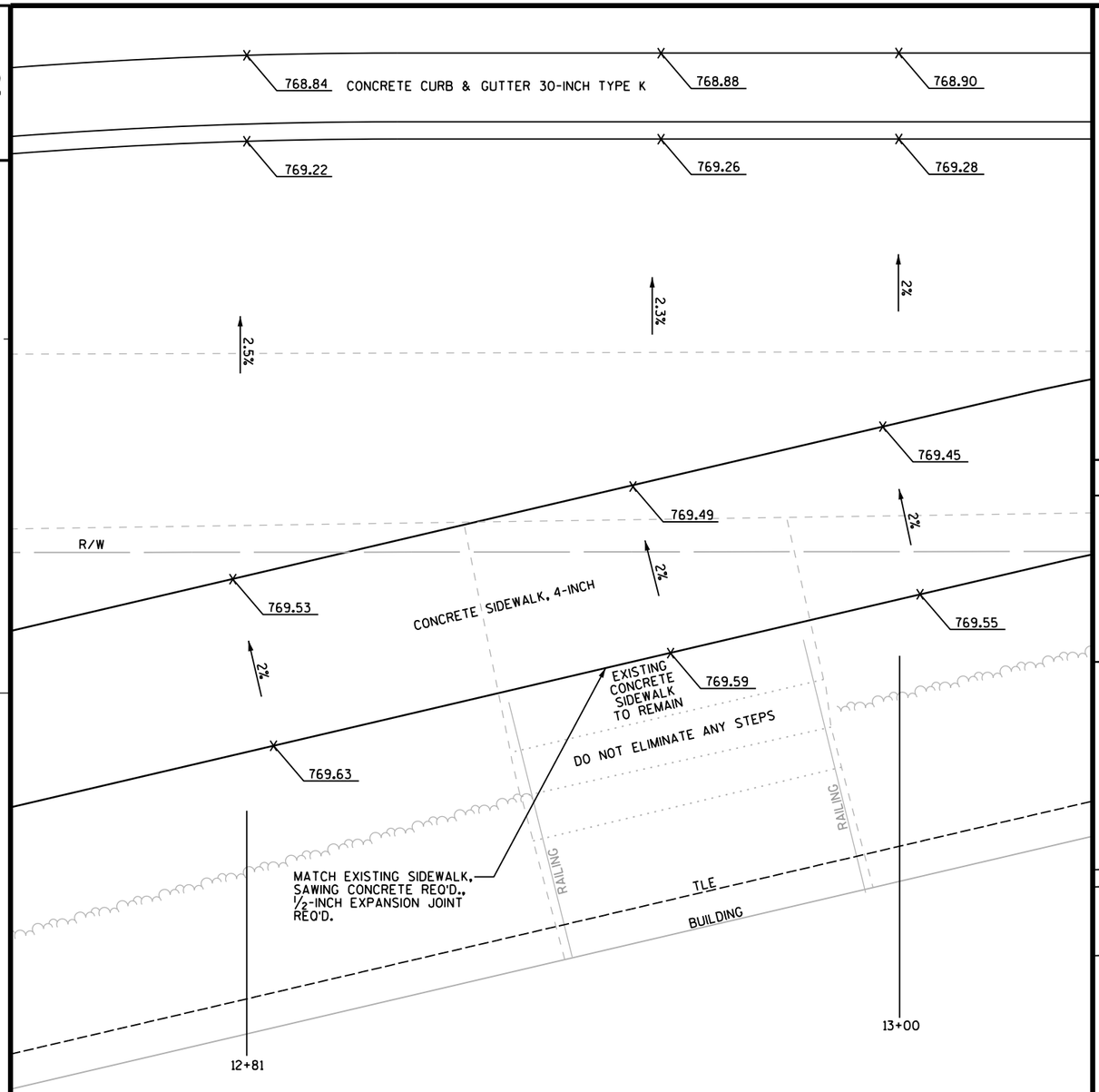
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP DETAILS	SHEET	E

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

Ramp Detail 04.dgn 10/30/2012 3:31:45 PM jdolens



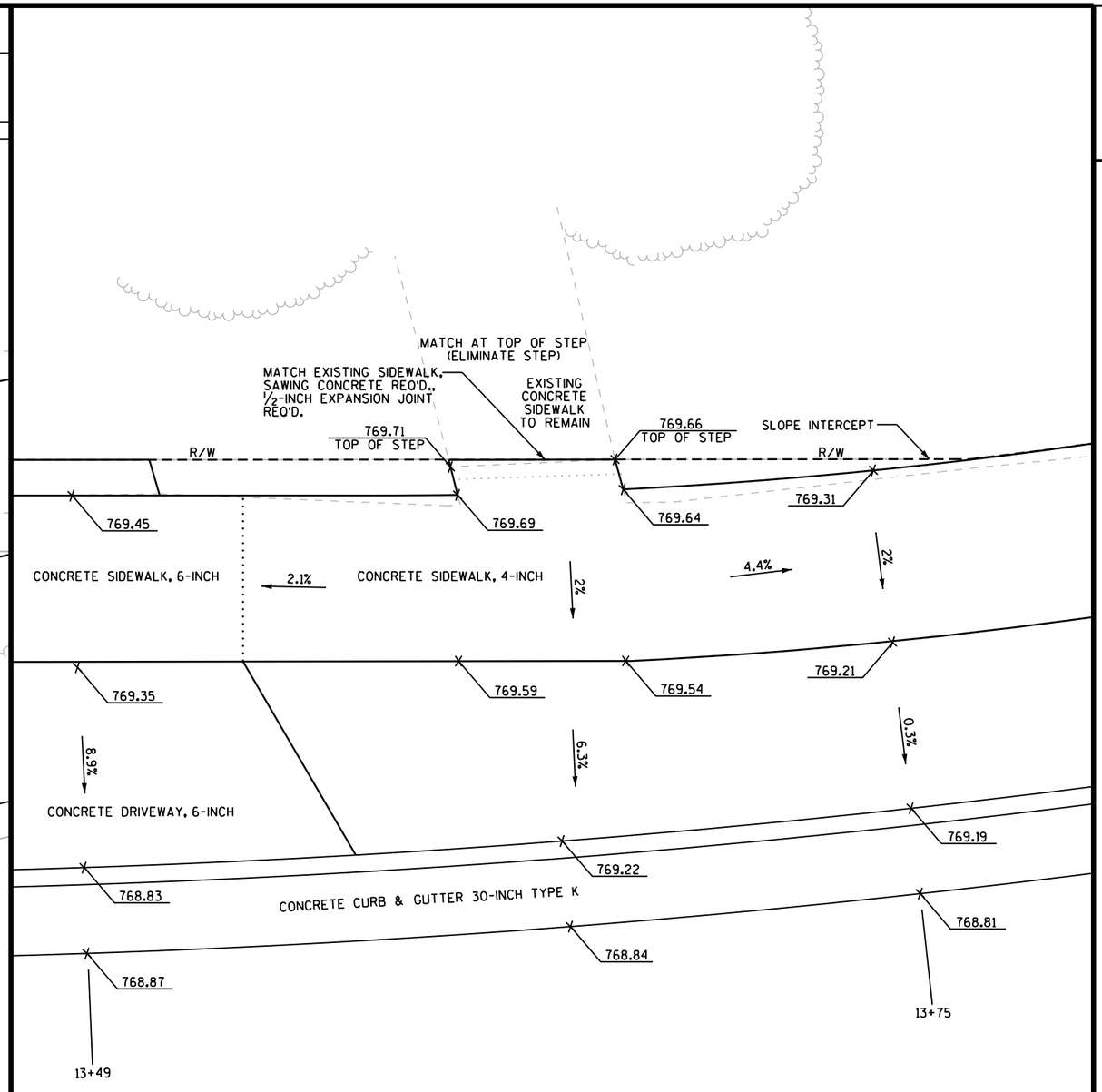
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	RAMP DETAILS	SHEET 25	E



STA. 12+92 RT. STEP DETAIL
431 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.



STA. 13+64 LT. STEP DETAIL
422 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 26	E

2

MATCH AT BOTTOM OF STEP
(DO NOT ELIMINATE ANY STEPS)

BUILDING

768.95 | 769.44 | 769.44 | 768.85

CANOPY

EXISTING CONCRETE SIDEWALK TO REMAIN

MATCH BOTTOM OF EXISTING STEP, SAWING CONCRETE REQ'D., 1/2-INCH EXPANSION JOINT REQ'D.

R/W

768.89 | 769.11 | 768.91

2% | 2.5% | 2% | 1.3% | 2%

CONCRETE SIDEWALK, 4-INCH

768.79 | 769.01 | 768.81

5'

3.6% | 8.0% | 5.8%

CONCRETE SIDEWALK, 4-INCH (PRIVATE WALK)

768.57 | 768.53 | 768.47

CONCRETE CURB & GUTTER 30-INCH TYPE K

768.19 | 768.15 | 768.09

15+25 | 15+50

STA. 15+34 LT. STEP DETAIL
408 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

BUILDING

EXISTING CONCRETE SIDEWALK TO REMAIN

769.81 (TOP OF BANK)

MATCH AT BOTTOM OF STEP (DO NOT ELIMINATE ANY STEPS)

769.70 (TOP OF BANK)

R/W

768.91 | 768.90

MATCH BOTTOM OF EXISTING STEP, SAWING CONCRETE REQ'D., 1/2-INCH EXPANSION JOINT REQ'D.

2% | 0.7% | 2% | 0.5% | 2%

CONCRETE SIDEWALK, 4-INCH

768.81 | 768.80

5'

7.4% | 6.1%

CONCRETE SIDEWALK, 4-INCH (PRIVATE WALK)

768.37 | 768.39 | 768.44

CONCRETE CURB & GUTTER 30-INCH TYPE K

767.99 | 768.01 | 768.06

18+00 | 18+25

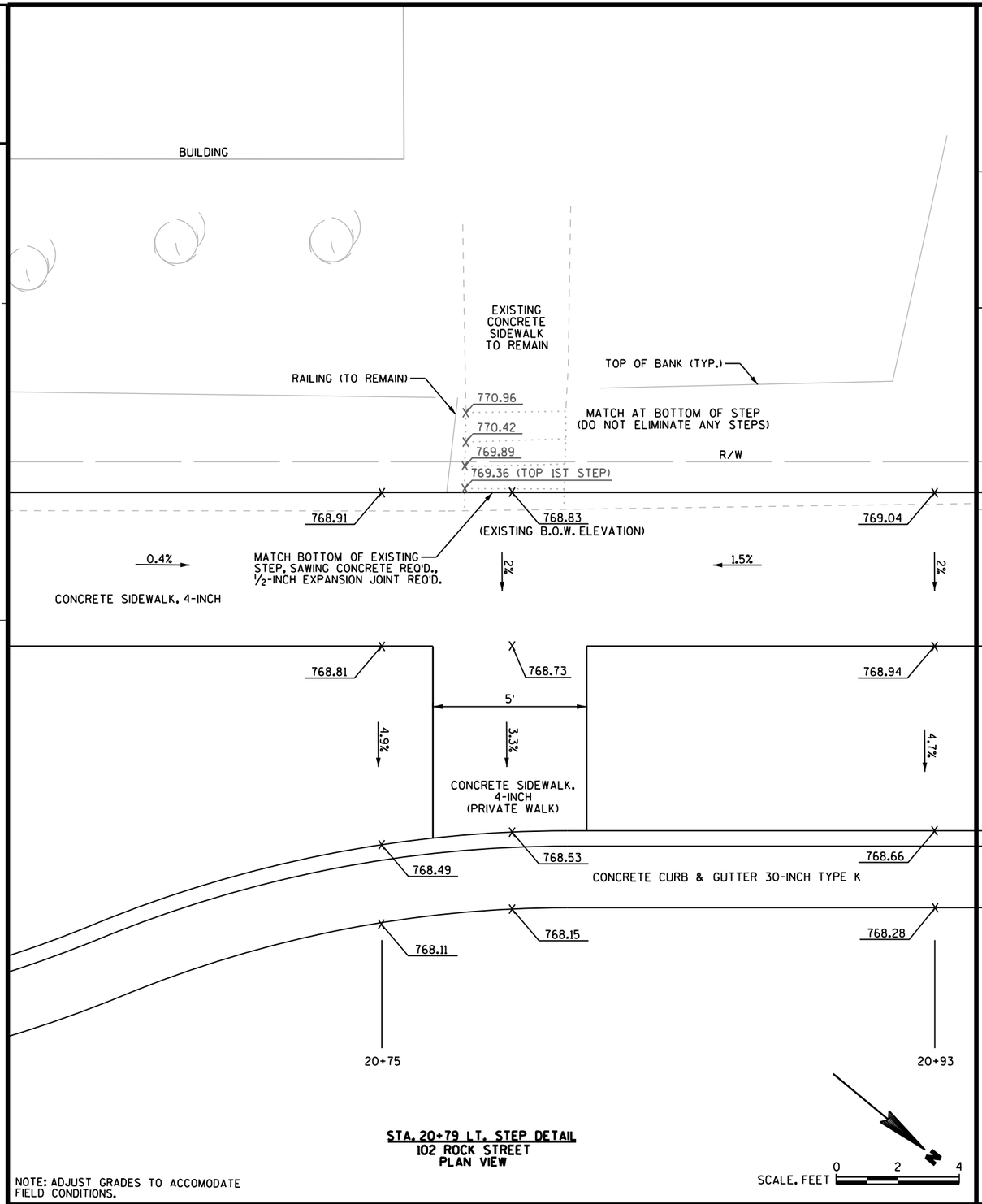
STA. 18+10 LT. STEP DETAIL
314 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

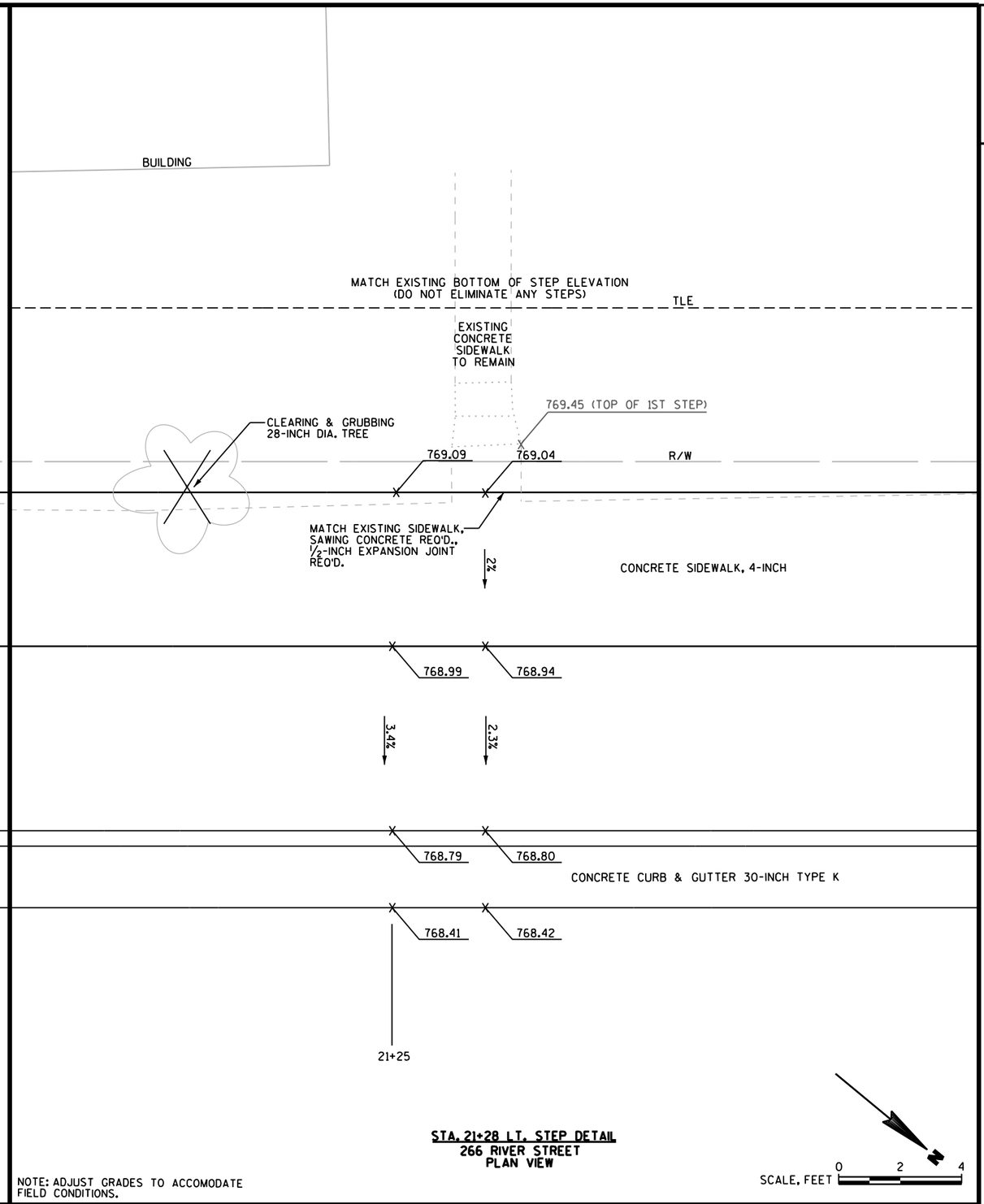
2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 27	E



STA. 20+79 LT. STEP DETAIL
102 ROCK STREET
PLAN VIEW

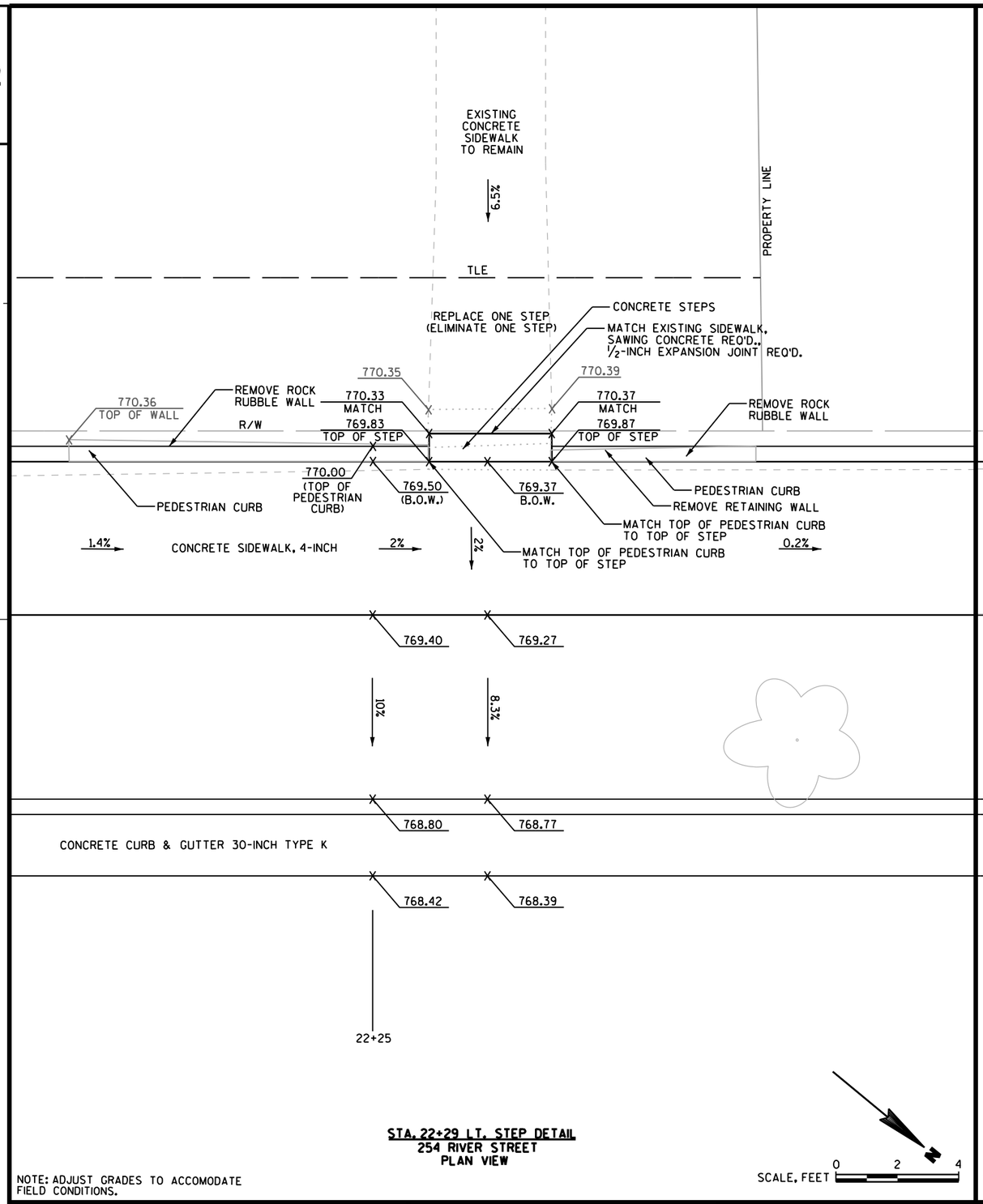
NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.



STA. 21+28 LT. STEP DETAIL
266 RIVER STREET
PLAN VIEW

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

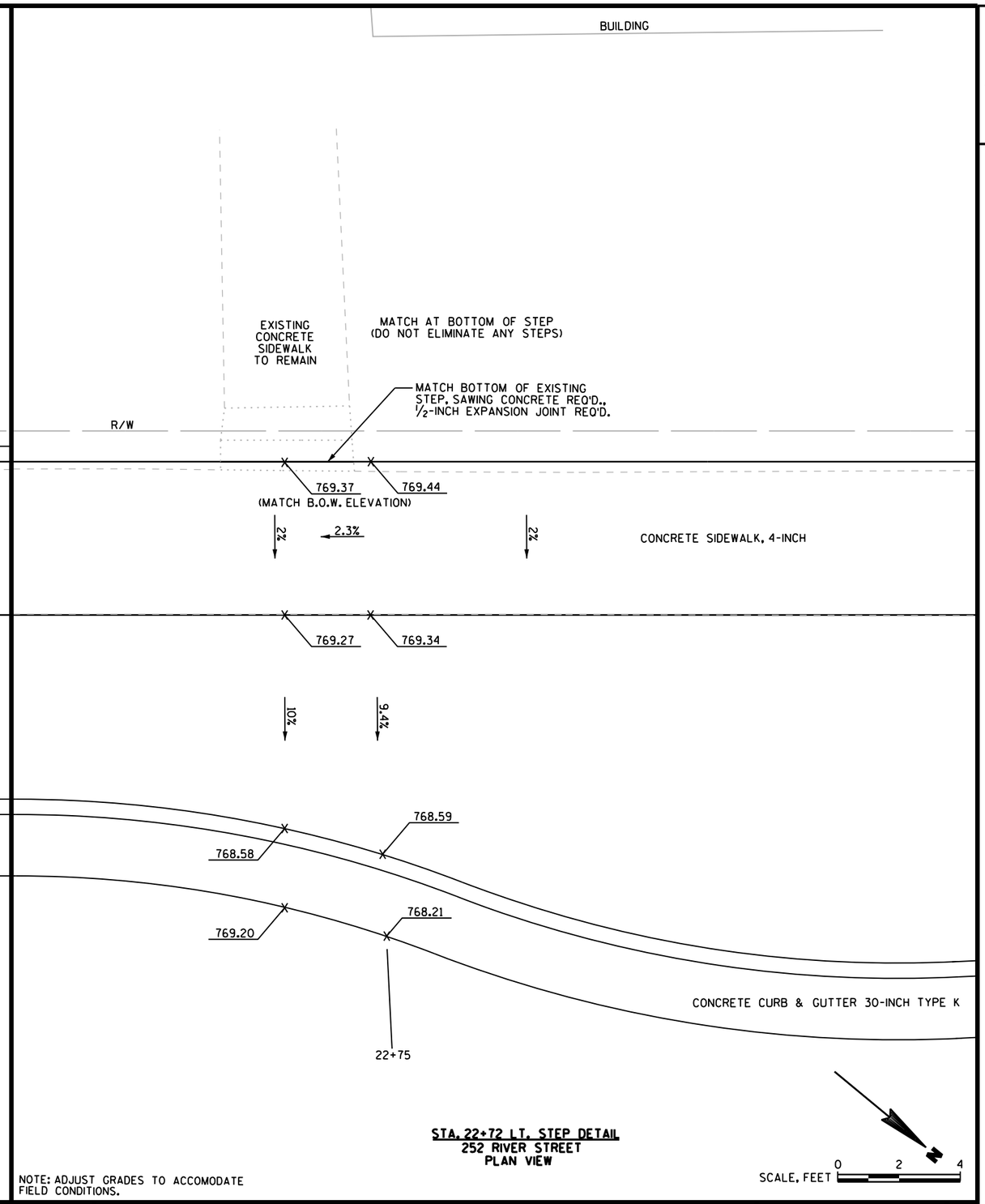
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 28	E



STA. 22+29 LT. STEP DETAIL
254 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.



STA. 22+72 LT. STEP DETAIL
252 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

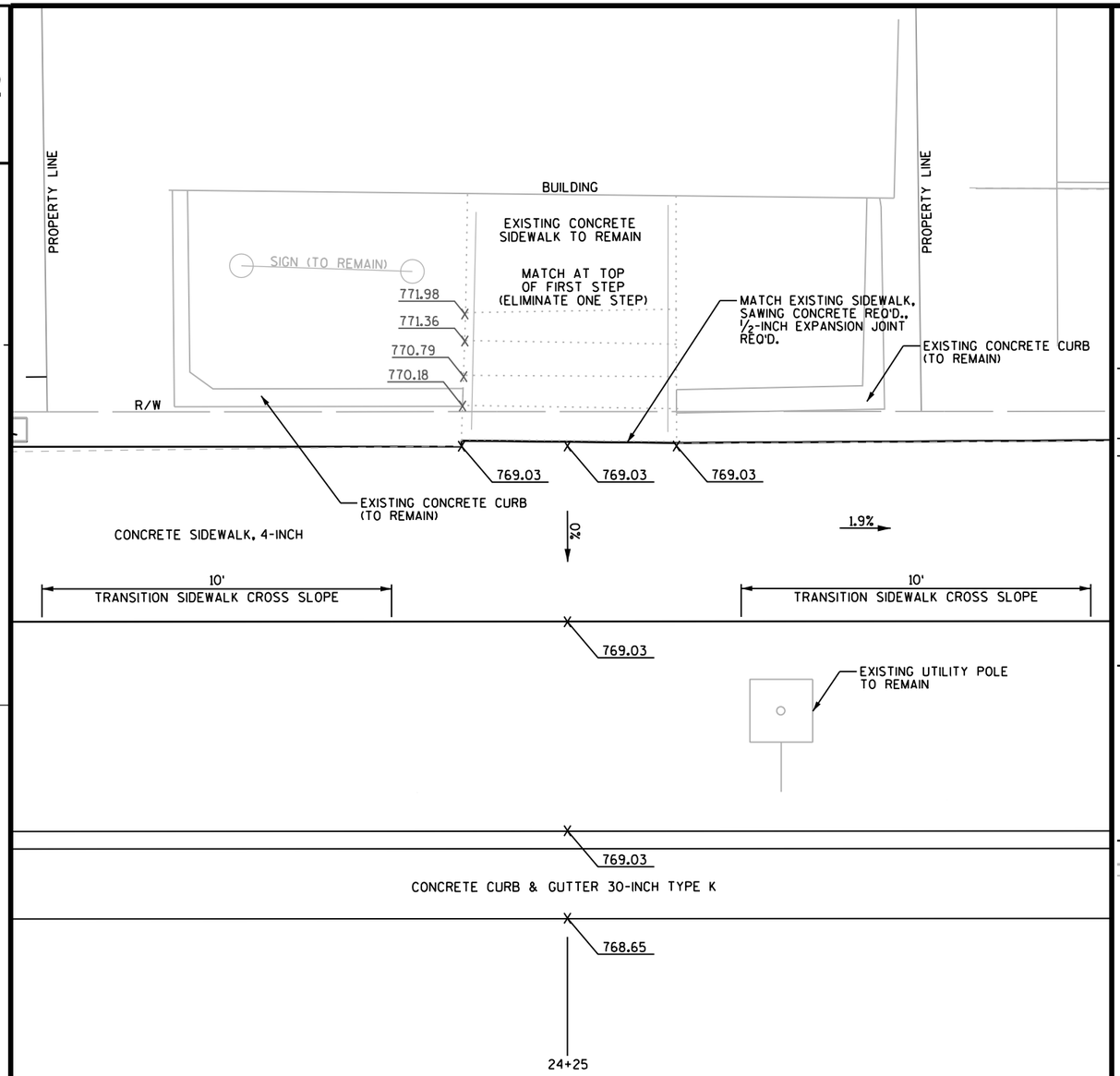
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 29	E

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

WISDOT/CADDS SHEET 42

steps at 22+29 LT and 22+71 LT.dgn 10/30/2012 3:31:55 PM jdolens

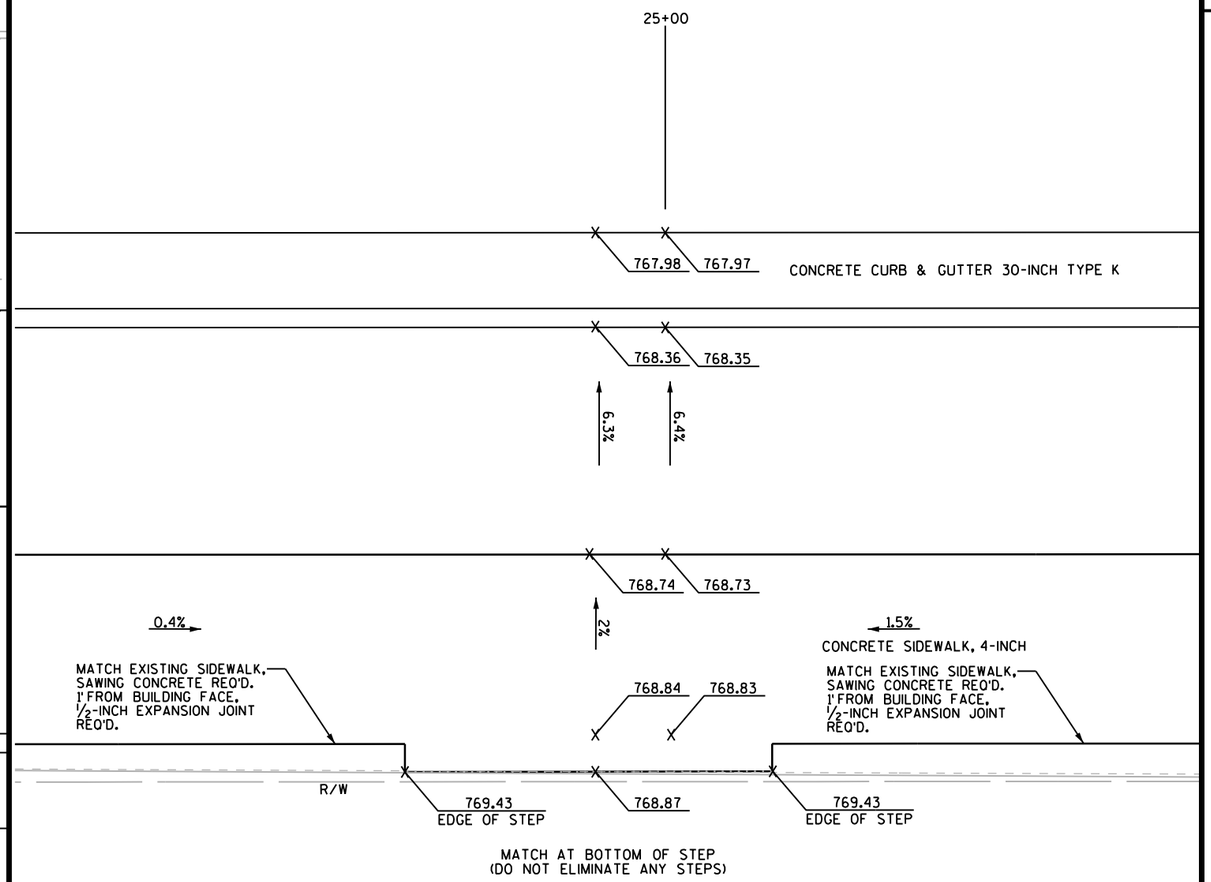
2



STA. 24+25 LT. STEP DETAIL
218 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.



STA. 24+98 RT. STEPS DETAIL
215-223 RIVER STREET
PLAN VIEW

SCALE, FEET 0 2 4

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 30	E

2

2

MATCH AT BOTTOM OF STEP
(DO NOT ELIMINATE ANY STEPS)

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D., 3-INCHES ASPHALTIC SURFACE

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. 1' FROM BUILDING FACE, 1/2-INCH EXPANSION JOINT REQ'D.

MATCH BOTTOM OF EXISTING STEP, SAWING CONCRETE REQ'D., 1/2-INCH EXPANSION JOINT REQ'D.

MATCH EXISTING SIDEWALK, SAWING CONCRETE REQ'D. 1' FROM BUILDING FACE, 1/2-INCH EXPANSION JOINT REQ'D.

MATCH EXISTING PAVEMENT, SAWING ASPHALT REQ'D., 3-INCHES ASPHALTIC SURFACE

769.96 EDGE OF STEP

769.93 EDGE OF STEP

BUILDING

769.56

769.47

769.91 EDGE OF STEP

769.96 EDGE OF STEP

769.52

2%

2%

2%

CONCRETE SIDEWALK, 6-INCH

CONCRETE SIDEWALK, 4-INCH

769.46

769.45

769.42

2.8%

3.2%

3.9%

CONCRETE DRIVEWAY, 6-INCH

769.29

769.26

769.19

CONCRETE CURB & GUTTER 30-INCH TYPE K

768.91

768.88

768.81

28+75

29+00

STA. 28+83 LT. STEP DETAIL
158 RIVER STREET
PLAN VIEW

NOTE: ADJUST GRADES TO ACCOMODATE FIELD CONDITIONS.

SCALE, FEET 0 2 4

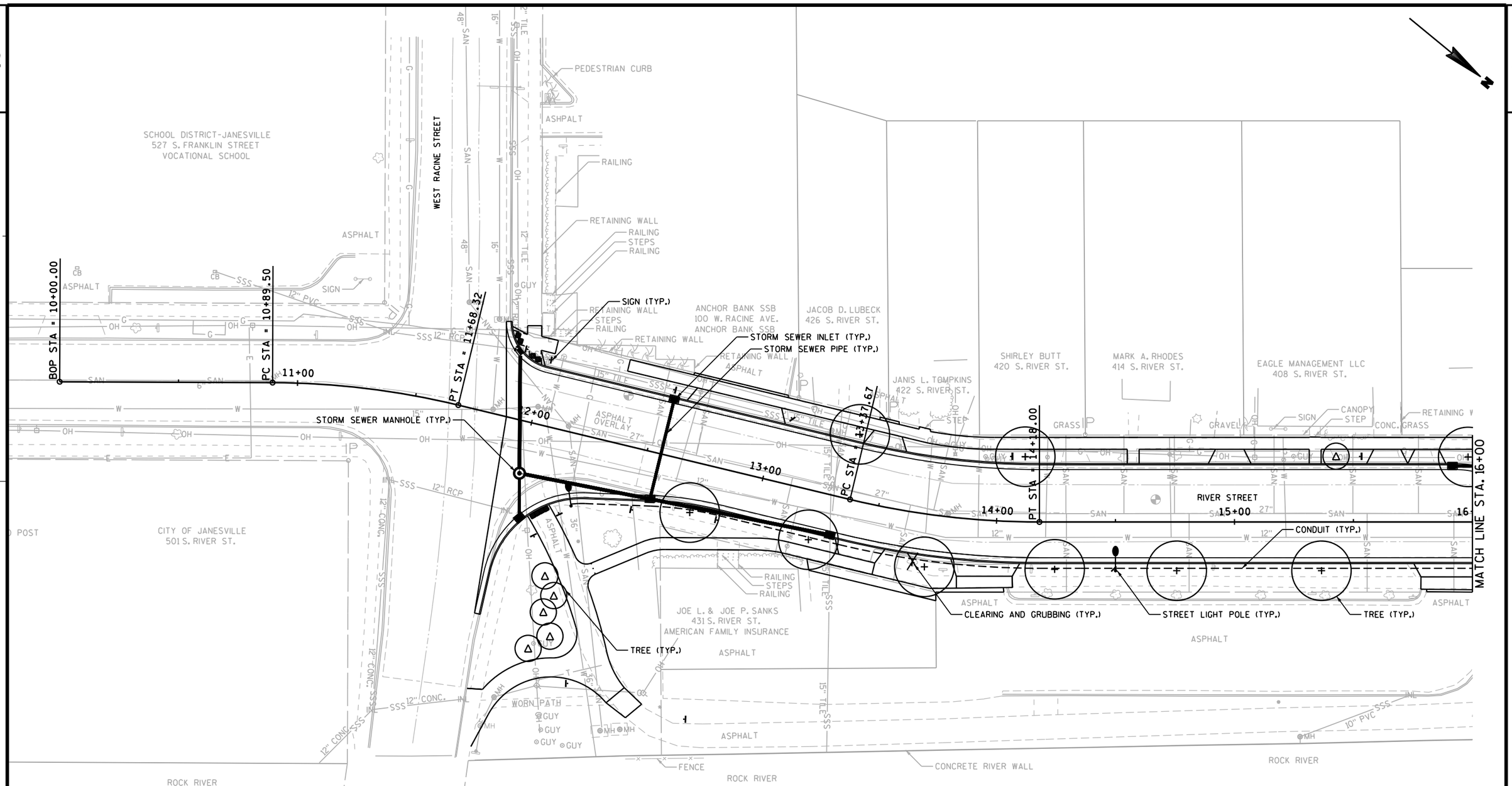
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STEP DETAILS	SHEET 31	E

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

WISDOT/CADDS SHEET 42

steps at 28+83 LT.dgn 10/30/2012 3:31:58 PM jdolens

2



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	OVERVIEW	SHEET	E

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

Overview 01.dgn 10/30/2012 3:32:00 PM jdolens

LEGEND

POTENTIAL SOIL CONTAMINATION

STORM SEWER MANHOLE (TYP.)
4'x8' STORM SEWER STRUCTURE
STORM SEWER PIPE (TYP.)
CLEARING AND GRUBBING (TYP.)
STORM SEWER INLET (TYP.)
TREE (TYP.)
CONDUIT (TYP.)
STREET LIGHT POLE (TYP.)
SIGN (TYP.)
TREE (TYP.) RAIN GARDEN
PICNIC TABLE
BENCH
CONCRETE RIVER WALL
TYPE MEDIAN 1 GRATE INLET

UNION STREET
ROCK STREET
RIVER STREET

SARA POPIK
103 UNION ST.

RICHARD D. DONAHUE
AND MARY M. DONAHUE
102 UNION ST.

SCOTT G. PORTER
314 S. RIVER ST.

SCOTT G. PORTER
300 S. RIVER ST.
JANESVILLE PRINTING

JOSEPH R. SHELDON
102 ROCK ST.

MAURICE A. ADAMS
266 S. RIVER ST.

CITY OF JANESVILLE
303 S. RIVER ST.

RUSSEL G. OLVER AND
MICHAEL J. OLVER
265 S. RIVER ST.
AUTO MAGIC

MATCH LINE STA. 16+00

MATCH LINE STA. 22+00

16+00 17+00 18+00 19+00 20+00 21+00 22

101"+00 102"R"+00 103"R"+00 104"R"+00

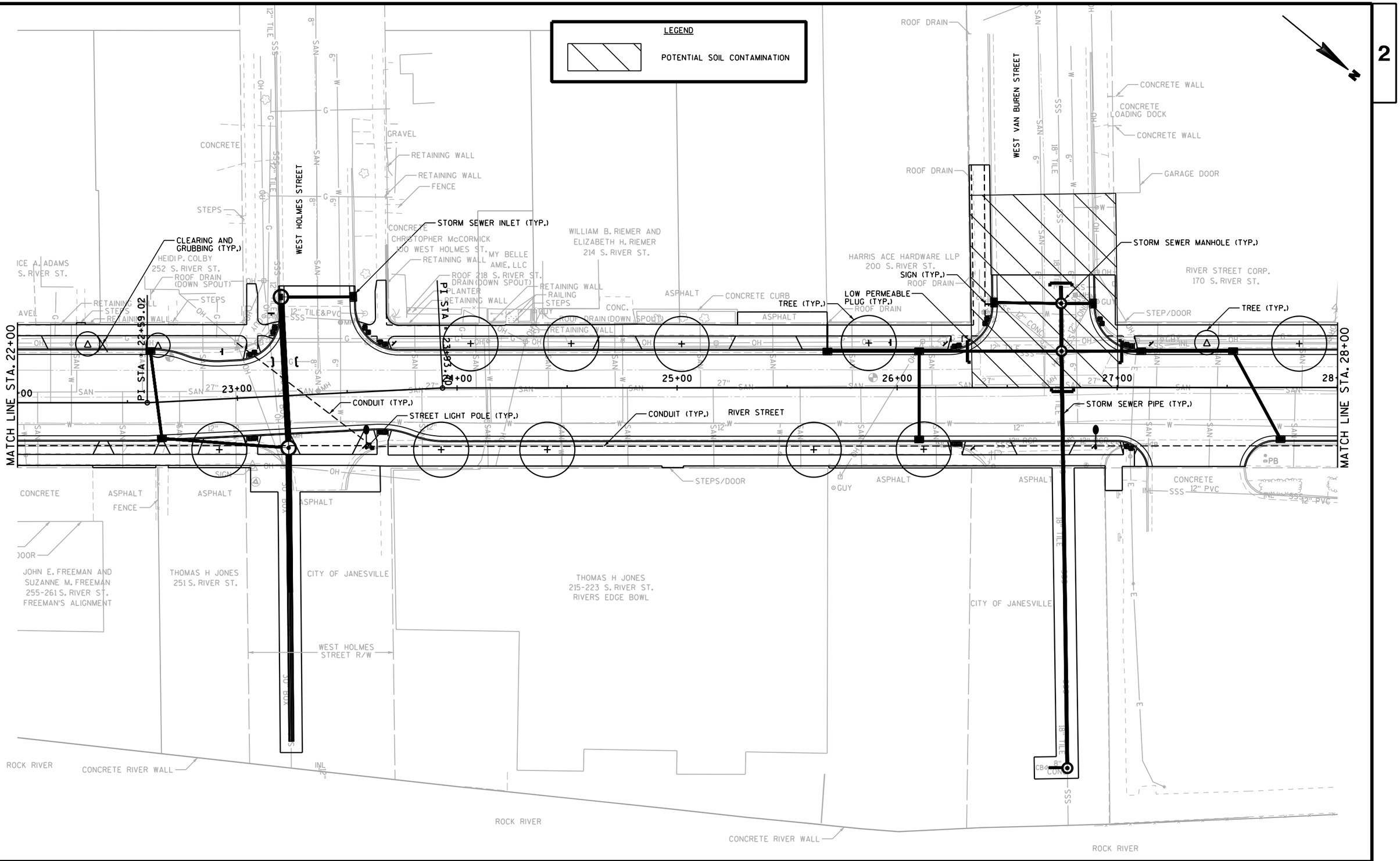
ROCK RIVE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	OVERVIEW	SHEET 33	E

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

WISDOT/CADDS SHEET 42

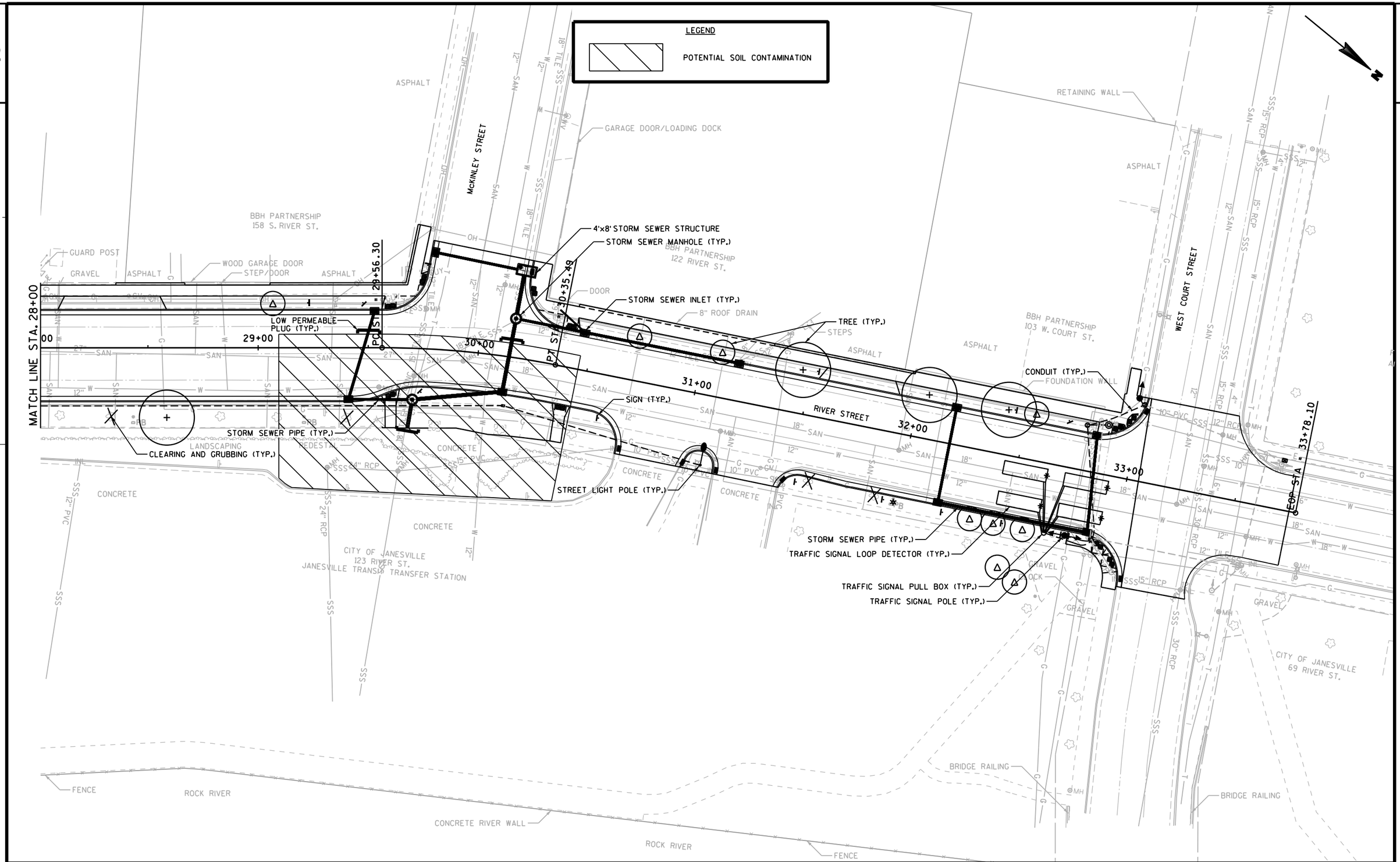
Overview 02.dgn 10/30/2012 3:32:02 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	OVERVIEW	SHEET	E

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

Overview 03.dgn 10/30/2012 3:32:04 PM jdolens



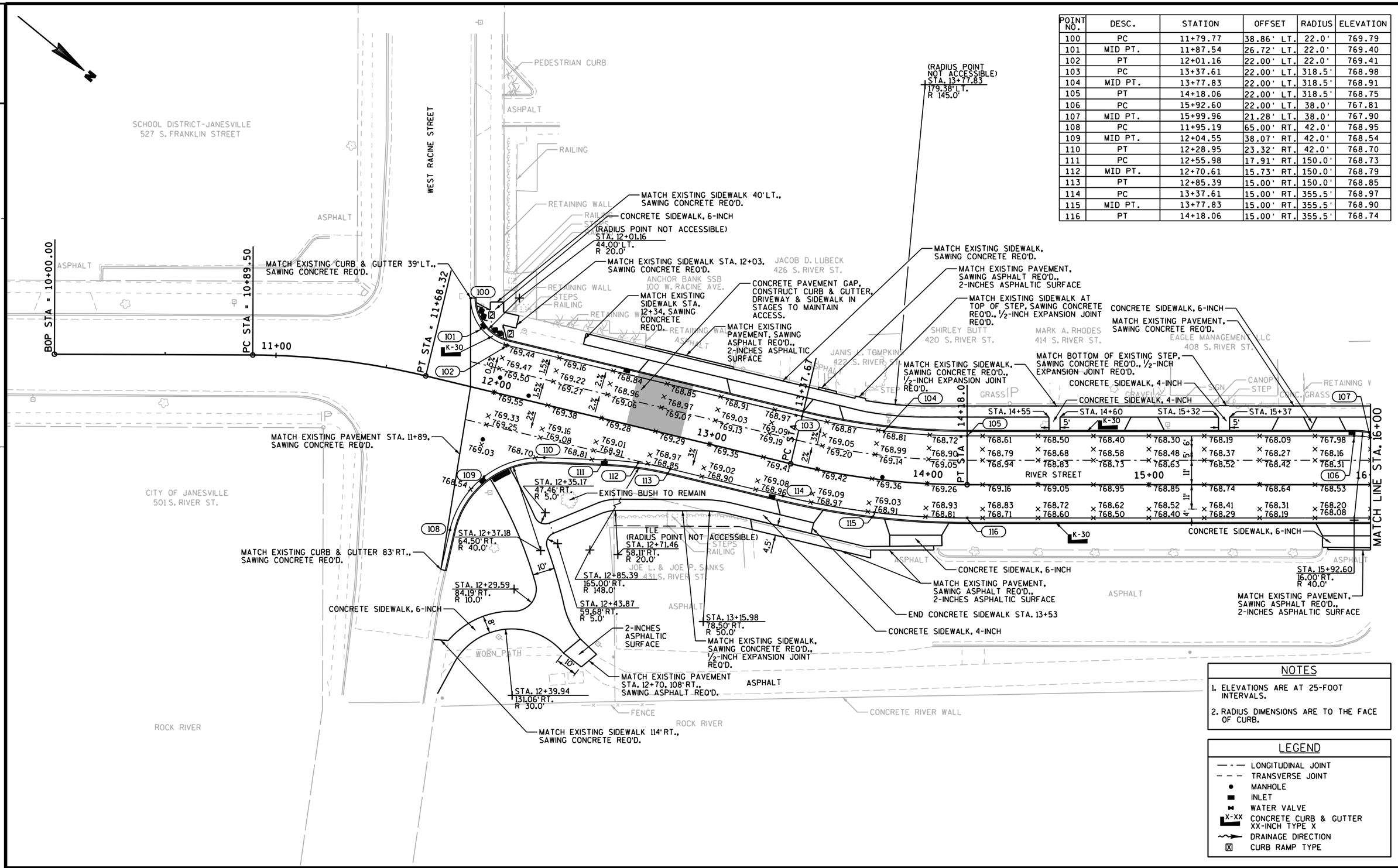
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	OVERVIEW	SHEET	E

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

Overview 04.dgn 10/30/2012 3:32:06 PM jdolens

2

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
100	PC	11+79.77	38.86' LT.	22.0'	769.79
101	MID PT.	11+87.54	26.72' LT.	22.0'	769.40
102	PT	12+01.16	22.00' LT.	22.0'	769.41
103	PC	13+37.61	22.00' LT.	318.5'	768.98
104	MID PT.	13+77.83	22.00' LT.	318.5'	768.91
105	PT	14+18.06	22.00' LT.	318.5'	768.75
106	PC	15+92.60	22.00' LT.	38.0'	767.81
107	MID PT.	15+99.96	21.28' LT.	38.0'	767.90
108	PC	11+95.19	65.00' RT.	42.0'	768.95
109	MID PT.	12+04.55	38.07' RT.	42.0'	768.54
110	PT	12+28.95	23.32' RT.	42.0'	768.70
111	PC	12+55.98	17.91' RT.	150.0'	768.73
112	MID PT.	12+70.61	15.73' RT.	150.0'	768.79
113	PT	12+85.39	15.00' RT.	150.0'	768.85
114	PC	13+37.61	15.00' RT.	355.5'	768.97
115	MID PT.	13+77.83	15.00' RT.	355.5'	768.90
116	PT	14+18.06	15.00' RT.	355.5'	768.74



NOTES

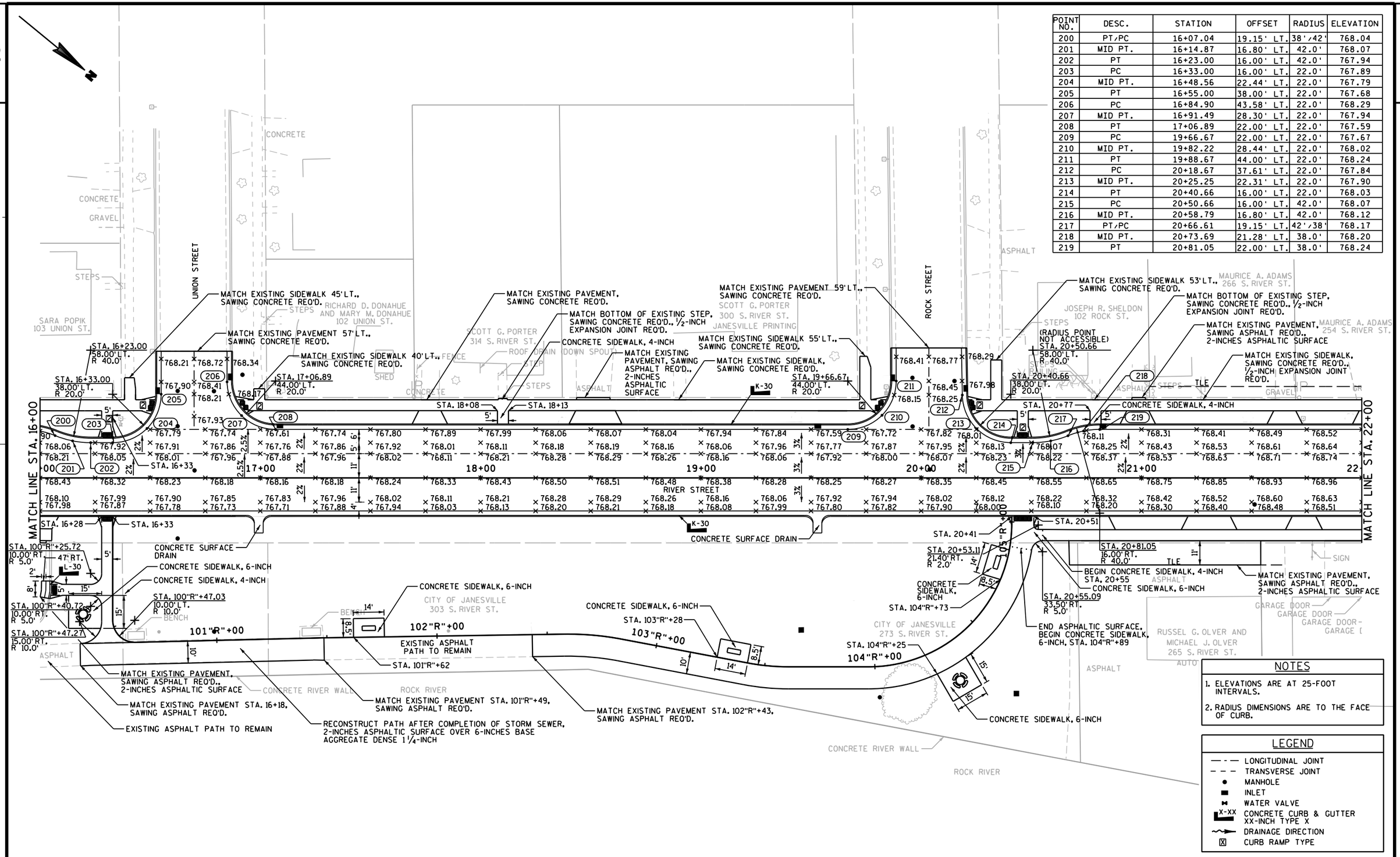
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

- LONGITUDINAL JOINT
- TRANSVERSE JOINT
- MANHOLE
- INLET
- WATER VALVE
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- DRAINAGE DIRECTION
- CURB RAMP TYPE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 36	E

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
200	PT/PC	16+07.04	19.15' LT.	38'/42'	768.04
201	MID PT.	16+14.87	16.80' LT.	42.0'	768.07
202	PT	16+23.00	16.00' LT.	42.0'	767.94
203	PC	16+33.00	16.00' LT.	22.0'	767.89
204	MID PT.	16+48.56	22.44' LT.	22.0'	767.79
205	PT	16+55.00	38.00' LT.	22.0'	767.68
206	PC	16+84.90	43.58' LT.	22.0'	768.29
207	MID PT.	16+91.49	28.30' LT.	22.0'	767.94
208	PT	17+06.89	22.00' LT.	22.0'	767.59
209	PC	19+66.67	22.00' LT.	22.0'	767.67
210	MID PT.	19+82.22	28.44' LT.	22.0'	768.02
211	PT	19+88.67	44.00' LT.	22.0'	768.24
212	PC	20+18.67	37.61' LT.	22.0'	767.84
213	MID PT.	20+25.25	22.31' LT.	22.0'	767.90
214	PT	20+40.66	16.00' LT.	22.0'	768.03
215	PC	20+50.66	16.00' LT.	42.0'	768.07
216	MID PT.	20+58.79	16.80' LT.	42.0'	768.12
217	PT/PC	20+66.61	19.15' LT.	42'/38'	768.17
218	MID PT.	20+73.69	21.28' LT.	38.0'	768.20
219	PT	20+81.05	22.00' LT.	38.0'	768.24



NOTES

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

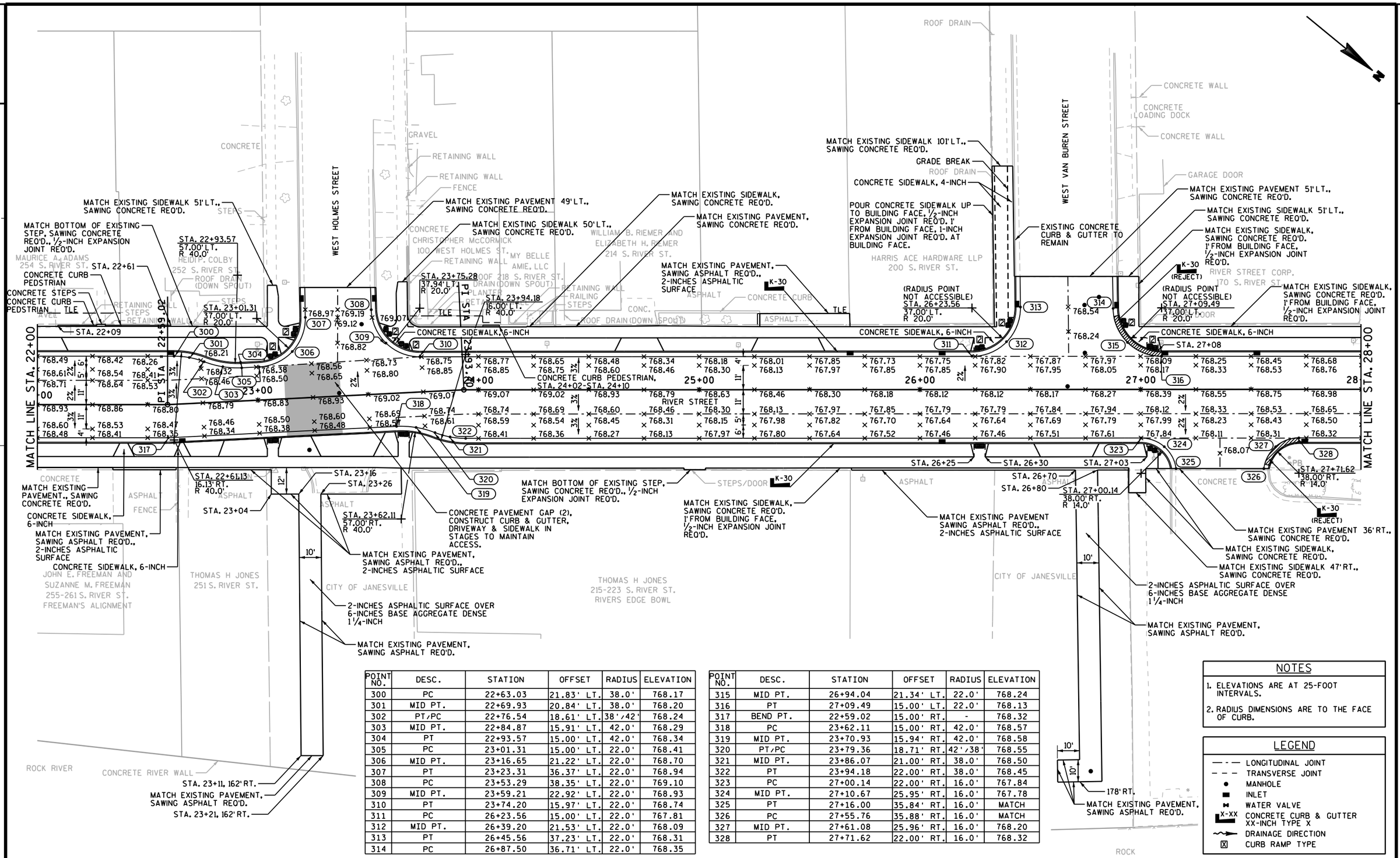
LEGEND

- LONGITUDINAL JOINT
- TRANSVERSE JOINT
- MANHOLE
- INLET
- WATER VALVE
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- DRAINAGE DIRECTION
- CURB RAMP TYPE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVING DETAILS	SHEET E

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

Paving 02.dgn 10/30/2012 3:32:09 PM jdolens



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
300	PC	22+63.03	21.83' LT.	38.0'	768.17
301	MID PT.	22+69.93	20.84' LT.	38.0'	768.20
302	PT/PC	22+76.54	18.61' LT.	38'/42'	768.24
303	MID PT.	22+84.87	15.91' LT.	42.0'	768.29
304	PT	22+93.57	15.00' LT.	42.0'	768.34
305	PC	23+01.31	15.00' LT.	22.0'	768.41
306	MID PT.	23+16.65	21.22' LT.	22.0'	768.70
307	PT	23+23.31	36.37' LT.	22.0'	768.94
308	PC	23+53.29	38.35' LT.	22.0'	769.10
309	MID PT.	23+59.21	22.92' LT.	22.0'	768.93
310	PT	23+74.20	15.97' LT.	22.0'	768.74
311	PC	26+23.56	15.00' LT.	22.0'	767.81
312	MID PT.	26+39.20	21.53' LT.	22.0'	768.09
313	PT	26+45.56	37.23' LT.	22.0'	768.31
314	PC	26+87.50	36.71' LT.	22.0'	768.35

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
315	MID PT.	26+94.04	21.34' LT.	22.0'	768.24
316	PT	27+09.49	15.00' LT.	22.0'	768.13
317	BEND PT.	22+59.02	15.00' RT.	-	768.32
318	PC	23+62.11	15.00' RT.	42.0'	768.57
319	MID PT.	23+70.93	15.94' RT.	42.0'	768.58
320	PT/PC	23+79.36	18.71' RT.	42'/38'	768.55
321	MID PT.	23+86.07	21.00' RT.	38.0'	768.50
322	PT	23+94.18	22.00' RT.	38.0'	768.45
323	PC	27+00.14	22.00' RT.	16.0'	767.84
324	MID PT.	27+10.67	25.95' RT.	16.0'	767.78
325	PT	27+16.00	35.84' RT.	16.0'	MATCH
326	PC	27+55.76	35.88' RT.	16.0'	MATCH
327	MID PT.	27+61.08	25.96' RT.	16.0'	768.20
328	PT	27+71.62	22.00' RT.	16.0'	768.32

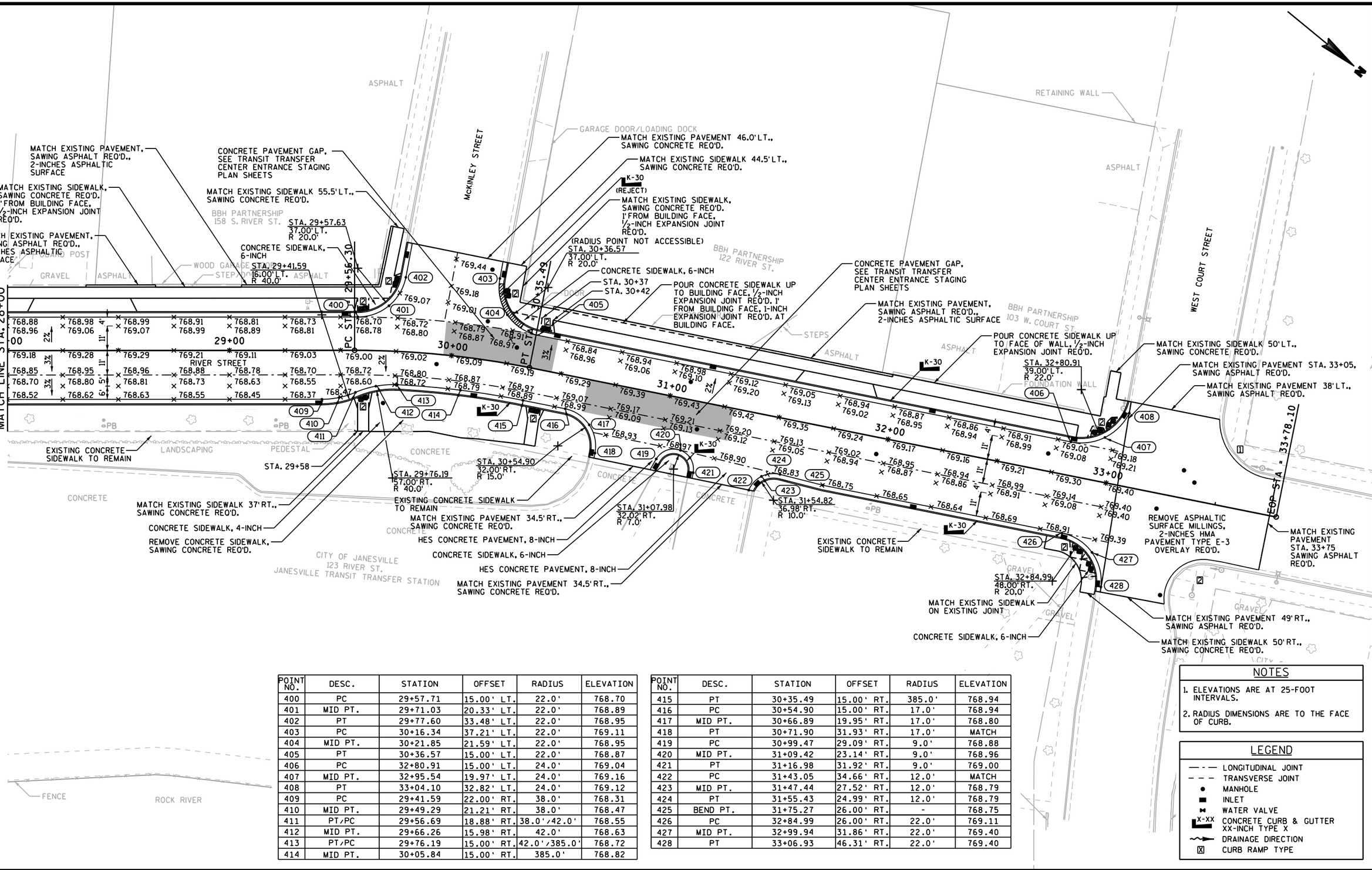
NOTES

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

LEGEND

- LONGITUDINAL JOINT
- TRANSVERSE JOINT
- MANHOLE
- INLET
- WATER VALVE
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- DRAINAGE DIRECTION
- CURB RAMP TYPE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 38 E



POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
400	PC	29+57.71	15.00' LT.	22.0'	768.70
401	MID PT.	29+71.03	20.33' LT.	22.0'	768.89
402	PT	29+77.60	33.48' LT.	22.0'	768.95
403	PC	30+16.34	37.21' LT.	22.0'	769.11
404	MID PT.	30+21.85	21.59' LT.	22.0'	768.95
405	PT	30+36.57	15.00' LT.	22.0'	768.87
406	PC	32+80.91	15.00' LT.	24.0'	769.04
407	MID PT.	32+95.54	19.97' LT.	24.0'	769.16
408	PT	33+04.10	32.82' LT.	24.0'	769.12
409	PC	29+41.59	22.00' RT.	38.0'	768.31
410	MID PT.	29+49.29	21.21' RT.	38.0'	768.47
411	PT/PC	29+56.69	18.88' RT.	38.0'/42.0'	768.55
412	MID PT.	29+66.26	15.98' RT.	42.0'	768.63
413	PT/PC	29+76.19	15.00' RT.	42.0'/385.0'	768.72
414	MID PT.	30+05.84	15.00' RT.	385.0'	768.82

POINT NO.	DESC.	STATION	OFFSET	RADIUS	ELEVATION
415	PT	30+35.49	15.00' RT.	385.0'	768.94
416	PC	30+54.90	15.00' RT.	17.0'	768.94
417	MID PT.	30+66.89	19.95' RT.	17.0'	768.80
418	PT	30+71.90	31.93' RT.	17.0'	MATCH
419	PC	30+99.47	29.09' RT.	9.0'	768.88
420	MID PT.	31+09.42	23.14' RT.	9.0'	768.96
421	PT	31+16.98	31.92' RT.	9.0'	769.00
422	PC	31+43.05	34.66' RT.	12.0'	MATCH
423	MID PT.	31+47.44	27.52' RT.	12.0'	768.79
424	PT	31+55.43	24.99' RT.	12.0'	768.79
425	BEND PT.	31+75.27	26.00' RT.	-	768.75
426	PC	32+84.99	26.00' RT.	22.0'	769.11
427	MID PT.	32+99.94	31.86' RT.	22.0'	769.40
428	PT	33+06.93	46.31' RT.	22.0'	769.40

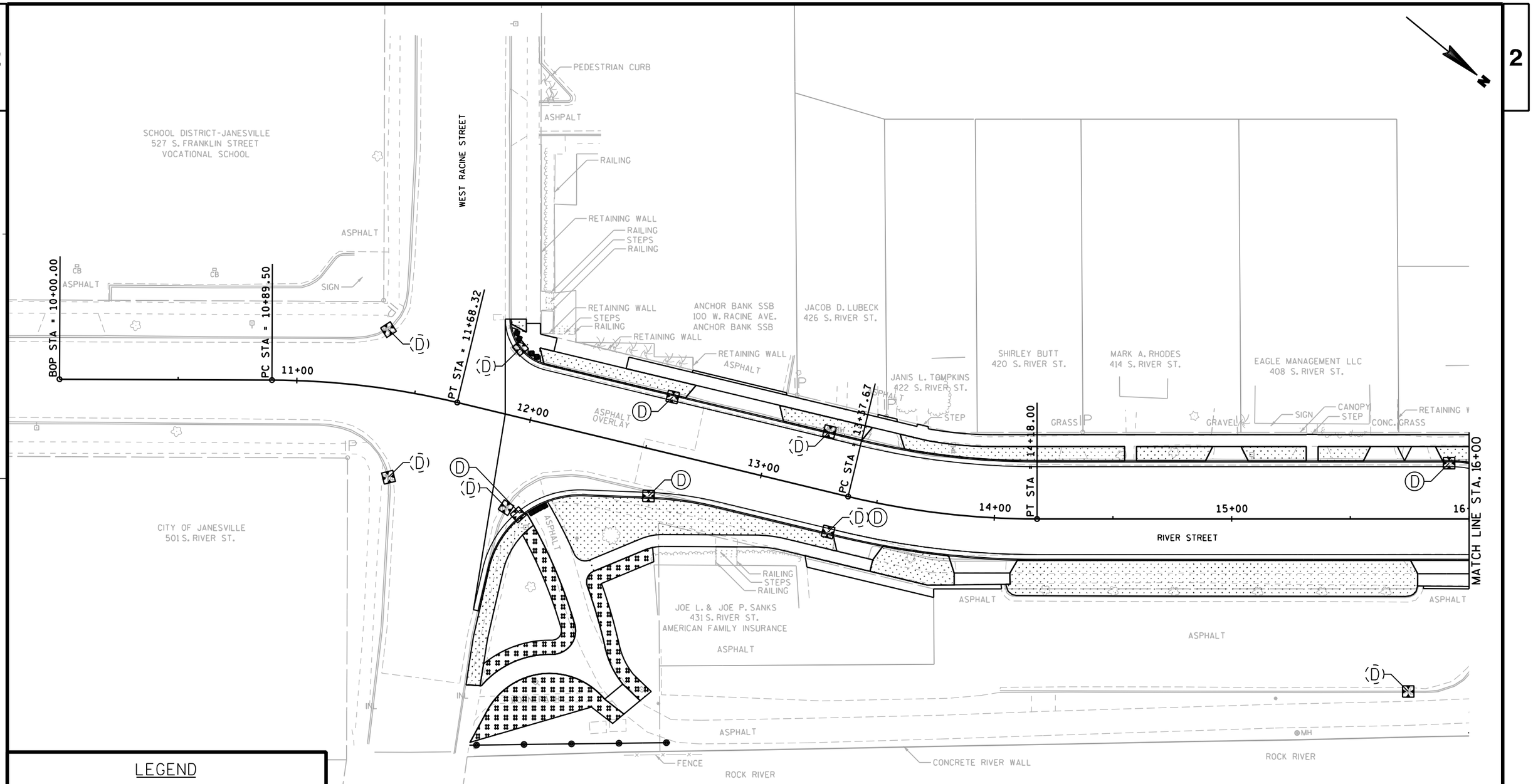
NOTES

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

LEGEND

- LONGITUDINAL JOINT
- TRANSVERSE JOINT
- MANHOLE
- INLET
- WATER VALVE
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- DRAINAGE DIRECTION
- X CURB RAMP TYPE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 39	E



LEGEND

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

NOTE: AN UNDISTRIBUTED AMOUNT OF TOPSOIL, SEED, FERTILZER AND MULCH IS INCLUDED IN THE MISCELLANEOUS QUANTITY SHEETS TO RESTORE DISTURBED AREAS BEHIND THE SIDEWALK.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 40	E

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

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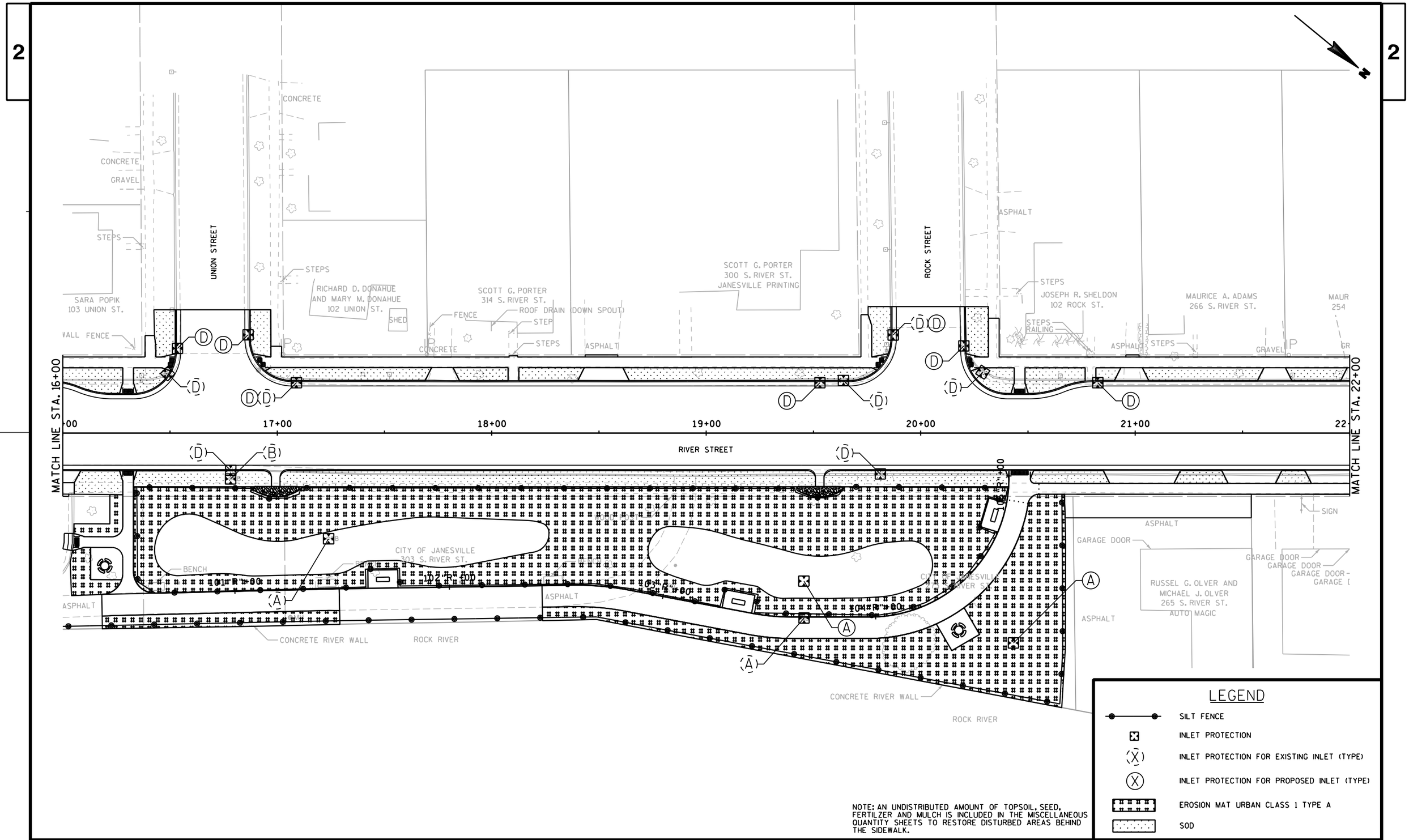

LEGEND

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

NOTE: AN UNDISTRIBUTED AMOUNT OF TOPSOIL, SEED, FERTILIZER AND MULCH IS INCLUDED IN THE MISCELLANEOUS QUANTITY SHEETS TO RESTORE DISTURBED AREAS BEHIND THE SIDEWALK.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 41	E

2

2

WEST HOLMES STREET

WEST VAN BUREN STREET

RIVER STREET

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA = 22+59.02

PI STA = 23+63.20

23+00

25+00

26+00

27+00

CONCRETE

GRAVEL

RETAINING WALL

FENCE

STEPS

CONCRETE
CHRISTOPHER McCORMICK
100 WEST HOLMES ST.

MY BELLE AMIE, LLC

WILLIAM B. RIEMER AND
ELIZABETH H. RIEMER
214 S. RIVER ST.

HEIDI P. COLBY
252 S. RIVER ST.

ROOF DRAIN (DOWN SPOUT)

ROOF 218 S. RIVER ST.

PLANTER

RAILING

CONC.

ASPHALT

CONCRETE CURB

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.

ROOF DRAIN

CONCRETE WALL

CONCRETE
LOADING DOCK

GARAGE DOOR

RIVER STREET CORP.
170 S. RIVER ST.

STEP/DOOR

SIGN

STEPS/DOOR

CONCRETE

ASPHALT

FENCE

JOHN E. FREEMAN AND
SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT

THOMAS H JONES
251 S. RIVER ST.

CITY OF JANESVILLE

THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

ROCK RIVER

CONCRETE RIVER WALL

ROCK

LEGEND

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

NOTE: AN UNDISTRIBUTED AMOUNT OF TOPSOIL, SEED, FERTILIZER AND MULCH IS INCLUDED IN THE MISCELLANEOUS QUANTITY SHEETS TO RESTORE DISTURBED AREAS BEHIND THE SIDEWALK.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 42	E

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

WISDOT/CADDS SHEET 42

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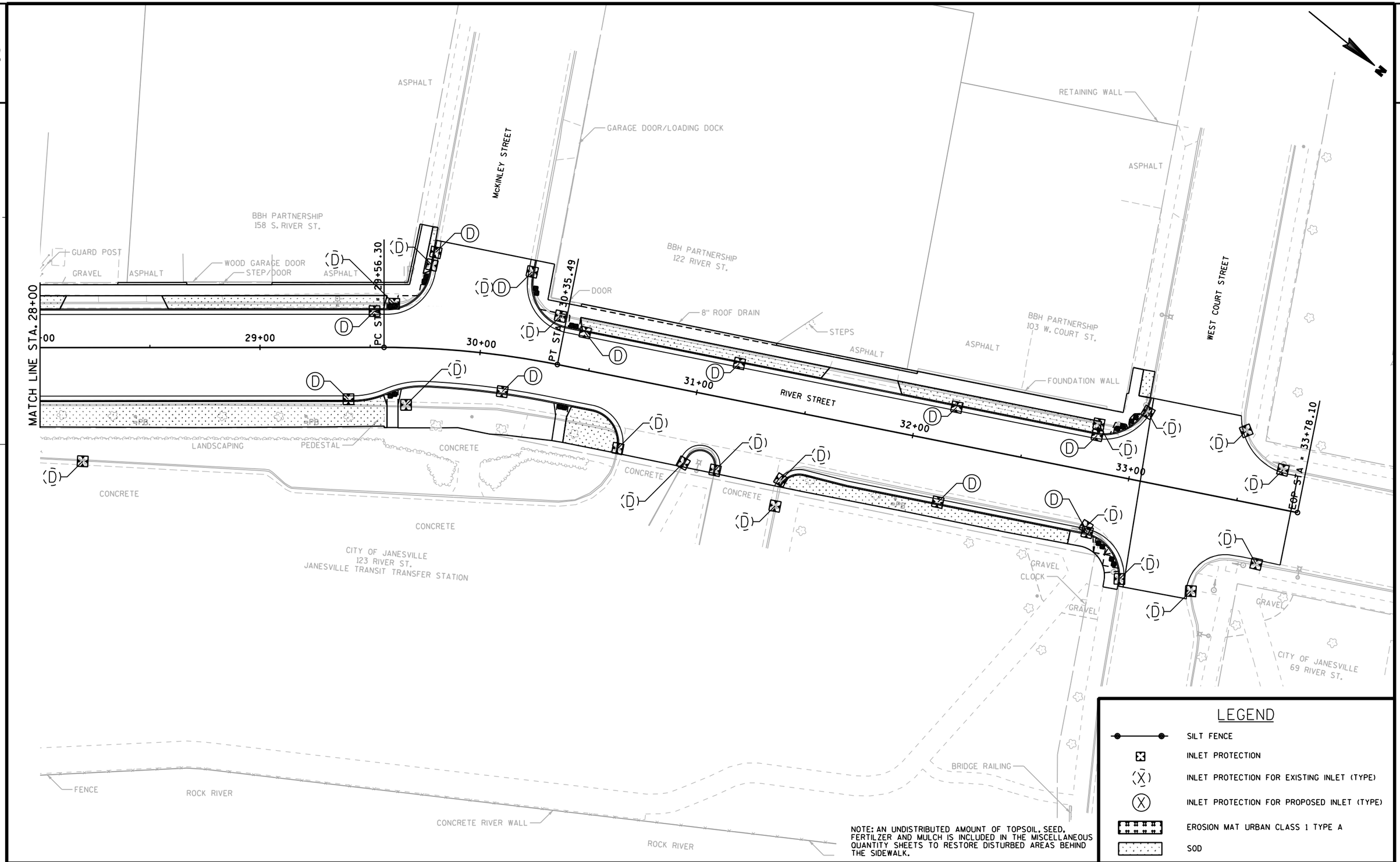

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 43	E

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

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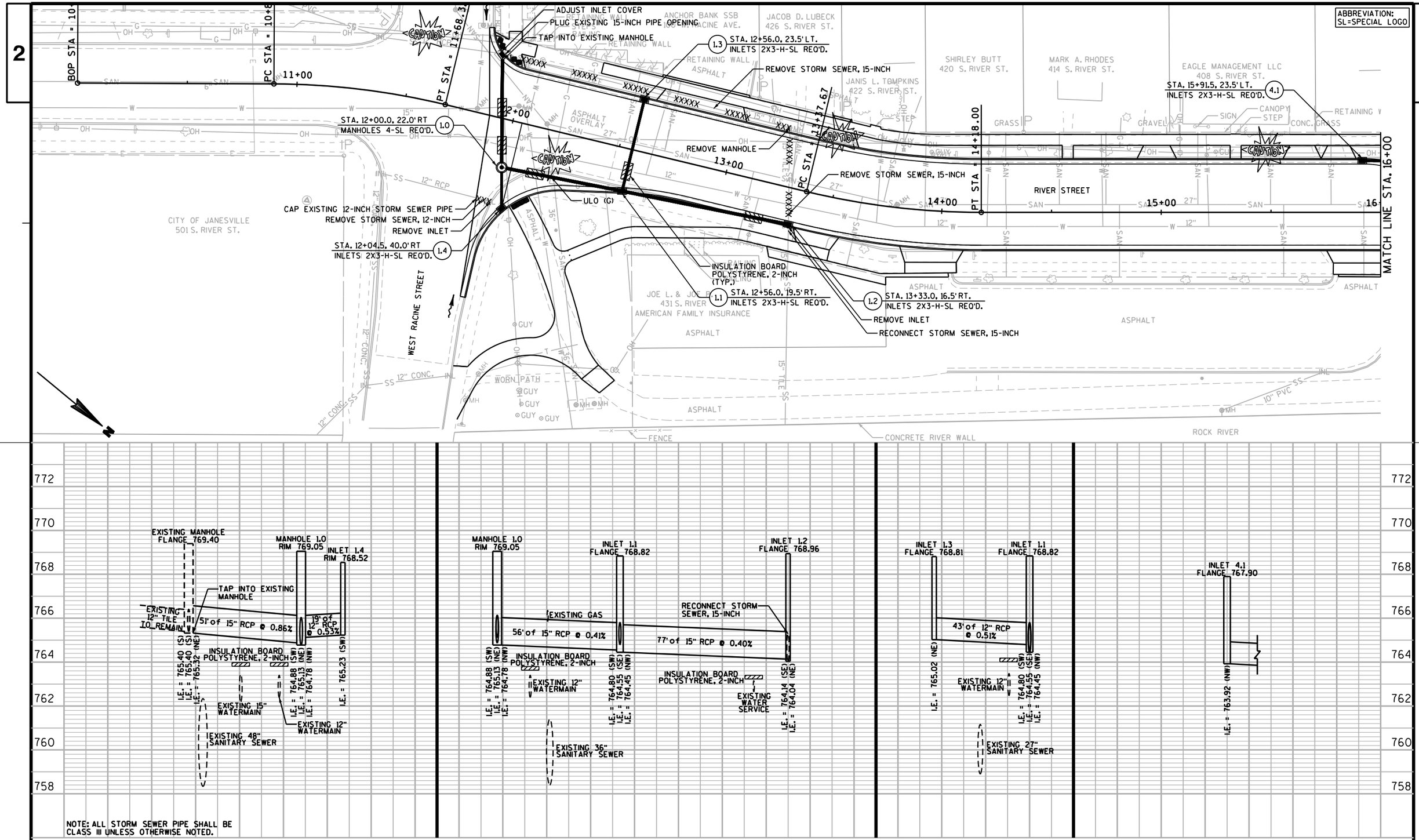


NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 44	E

STORM SEWER PLUG REQ'D.
STA. 16+62.5, 39.5' LT.
MANHOLES 4-SL REQ'D. (5.0)
STA. 16+53.5, 39.5' LT.
INLETS 2X3-H-SL REQ'D. (5.1)
REMOVE INLET
STA. 16+62.5, 23.5' LT.
MANHOLES 4-SL REQ'D. (4.0)
ULO (G)
RECONNECT STORM SEWER, 12-INCH
(6.0) STA. 16+89.0, 46.0' LT.
MANHOLE 4'x8' SPECIAL WITH TYPE H-SL INLET CASTING REQ'D. (STA. 16+86.5, 46.0' LT.) AND TYPE SL MANHOLE CASTING REQ'D. (STA. 16+92.0, 47.0' LT.)
REMOVE STORM SEWER, 12-INCH
REMOVE MANHOLE
REMOVE STORM SEWER, 12-INCH
REMOVE INLET
(4.2) STA. 17+09.0, 23.5' LT.
INLETS 2X3-H-SL REQ'D.
REMOVE STORM SEWER, 15-INCH
REMOVE INLET
REMOVE STORM SEWER, 15-INCH
REMOVE INLET
REMOVE STORM SEWER, 24-INCH
REMOVE INLET
SEE RAIN GARDEN DETAIL FOR UNDER DRAIN INFORMATION
SEE RAIN GARDEN DETAIL FOR UNDER DRAIN CONNECTION INFORMATION
STA. 16+62.5, 27.5' RT.
MANHOLES 4-SL REQ'D. (3.0)
REMOVE STORM SEWER, 12-INCH
REMOVE MANHOLE
REMOVE STORM SEWER, 12-INCH
STA. 16+79.0, 70.0' RT.
MANHOLES 4-SL REQ'D. (2.0)
REMOVE MANHOLE
REMOVE STORM SEWER, 24-INCH
CONCRETE COLLARS FOR PIPE

LEGEND
POTENTIAL SOIL CONTAMINATION

ABBREVIATION:
SL=SPECIAL LOGO

MATCH LINE STA. 16+00
MATCH LINE STA. 22+00
16+00
17+00
18+00
19+00
20+00
21+00
22
101"R"+00
102"R"+00
103"R"+00
104"R"+00
105"R"+00
RIVER STREET
UNION STREET
ROCK STREET
CITY OF JANESVILLE 303 S. RIVER ST.
CITY OF JANESVILLE 273 S. RIVER ST.
SCOTT G. PORTER 314 S. RIVER ST.
JOSEPH R. SHELDON 102 ROCK ST.
MAURICE A. ADAMS 266 S. RIVER ST.
MAURICE A. ADAMS 254 S. RIVER ST.
RUSSEL G. OLVER AND MICHAEL J. OLVER 265 S. RIVER ST. AUTO MAGIC
ROCK RIVER
CONCRETE RIVER WALL
ASPHALT
GRAVEL
WOOD POST
BENCH
SIGN
GARAGE DOOR
GARAGE DOOR - GARAGE [
STEPS
STEPS RAILING
ROOF DRAIN
CAUTION

772
770
768
766
764
762
760
758

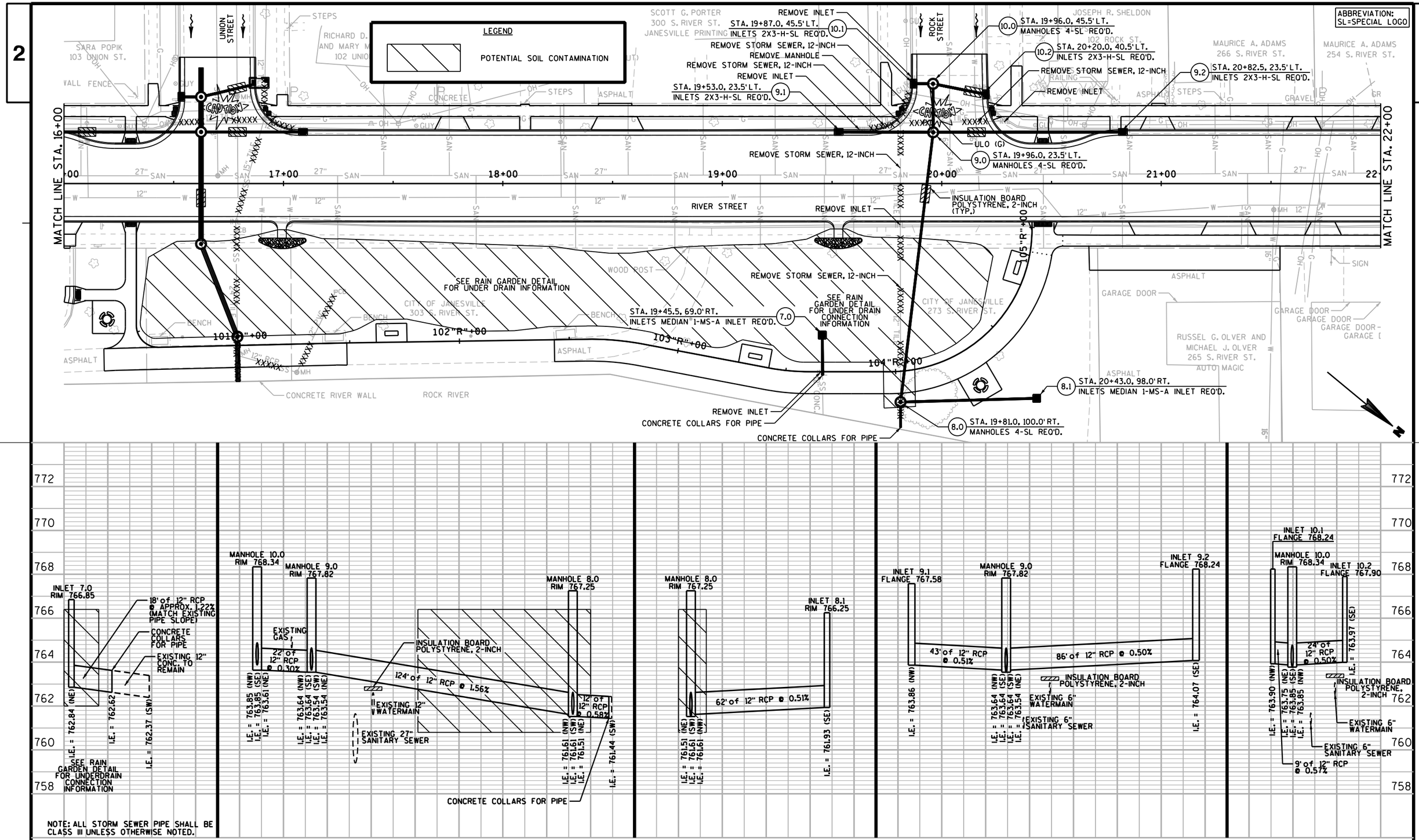
MANHOLE 4.0
RIM 767.75
INLET 4.2
FLANGE 767.58
71' of 12" RCP @ 0.50%
46' of 12" RCP @ 0.50%
INSULATION BOARD POLYSTYRENE, 2-INCH
EXISTING WATER SERVICE
EXISTING 6" WATERMAIN
EXISTING 8" SANITARY SEWER
I.E. = 763.56 (NW)
I.E. = 763.56 (SE)
I.E. = 762.56 (SW)
I.E. = 762.46 (NE)
I.E. = 763.79 (SE)

MANHOLE 5.0
RIM 768.05
MANHOLE 4.0
RIM 767.75
MANHOLE 3.0
RIM 767.50
MANHOLE 2.0
RIM 767.20
EXISTING GAS
STORM SEWER PLUG REQ'D.
13' of 24" RCP @ 0.23%
16' of 24" RCP @ 1.4%
51' of 24" RCP @ 0.20%
46' of 24" RCP @ 0.21%
20' of 24" RCP @ 1.95%
CONCRETE COLLARS FOR PIPE
EXISTING 27" SANITARY SEWER
INSULATION BOARD POLYSTYRENE, 2-INCH
EXISTING 12" WATERMAIN
I.E. = 762.72 (NE)
I.E. = 763.06 (NW)
I.E. = 763.69 (SE)
I.E. = 762.59 (SW)
I.E. = 763.56 (NW)
I.E. = 763.56 (SE)
I.E. = 762.36 (SW)
I.E. = 762.36 (NE)
I.E. = 762.26 (SW)
I.E. = 762.26 (NE)
I.E. = 762.16 (SW)
I.E. = 761.37 (NE)
I.E. = 760.98 (SW)

INLET 5.1
FLANGE 767.68
MANHOLE 5.0
RIM 768.05
MANHOLE 6.0
FLANGE 768.30
9' of 12" RCP @ 0.56%
27' of 12" RCP @ 0.50%
RECONNECT STORM SEWER, 12-INCH
INSULATION BOARD POLYSTYRENE, 2-INCH
EXISTING 6" WATERMAIN
EXISTING 8" SANITARY SEWER
I.E. = 763.74 (NW)
I.E. = 763.06 (SE)
I.E. = 763.69 (SW)
I.E. = 762.59 (NE)
I.E. = 763.19 (SE)
I.E. = 763.29 (SW)

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

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 45	E



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET E

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

WISDOT/CADDS SHEET 41a

Storm Sewer 02a.dgn 10/30/2012 3:32:24 PM jdolens

ABBREVIATION:
SL=SPECIAL LOGO

RECONNECT STORM SEWER, 12-INCH
STA. 23+22.2, 45.0' LT.
MANHOLES 6-FT WITH TYPE H-SL INLET CASTING REQ'D.
12.0

REMOVE STORM SEWER, 12-INCH
REMOVE MANHOLE
ULO (G)
11.2
STA. 22+61.5, 23.4' LT.
INLETS 2X3-H-SL REQ'D.

REMOVE INLET
12.1
STA. 23+55.0, 43.4' LT.
INLETS 2X3-H-SL REQ'D.
ABANDONED GAS THRU EXISTING STORM SEWER PIPE. VERIFY THAT PIPE IS ABANDONED WITH ALLIANT ENERGY, CUT PIPE OUTSIDE OF REMOVAL LIMITS, AND SEAL PIPE ENDS.

HEIDI P. COLBY
252 S. RIVER ST.

CHRISTOPHER McCORMICK
100 WEST HOLMES ST.

MAURICE A. ADAMS
254 S. RIVER ST.

WILLIAM B. RIEMER AND ELIZABETH H. RIEMER
214 S. RIVER ST.

218 S. RIVER ST.

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.

RIVER STREET CORP.
170 S. RIVER ST.

WEST HOLMES STREET

WEST VAN BUREN STREET

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA = 22+59.02

PI STA = 23+93.80

22+00 23+00 24+00 25+00 26+00 27+00 28

RIVER STREET

REMOVE STORM SEWER, 30-INCH
REMOVE MANHOLE

11.0
STA. 23+22.0, 23.7' RT.
MANHOLES 6-SL REQ'D.

11.1
STA. 22+64.8, 16.5' RT.
INLETS 2X3-H-SL REQ'D.

UTILITY TRENCH, SEE PAVING DETAILS

REMOVE STORM SEWER, 30-INCH

CONCRETE COLLARS FOR PIPE

JOHN E. FREEMAN AND SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT

THOMAS H JONES
251 S. RIVER ST.

CITY OF JANESVILLE

THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

CITY OF JANESVILLE

WEST HOLMES STREET R/W

ROCK RIVER

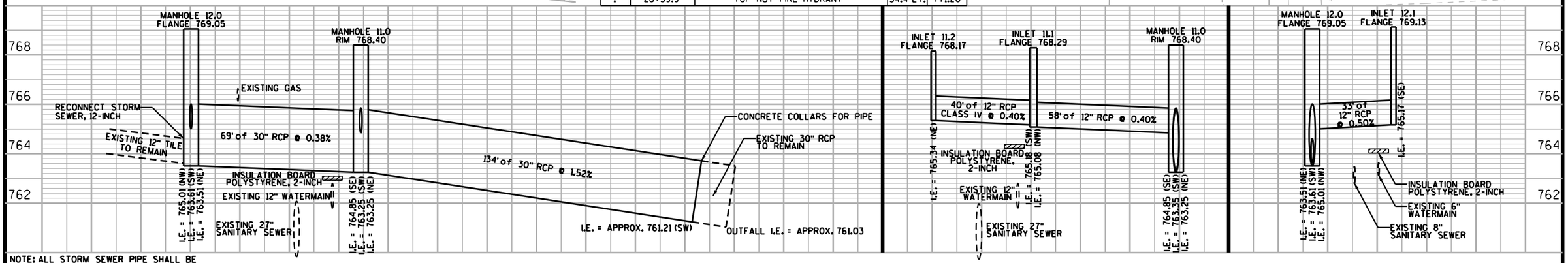
CONCRETE RIVER WALL

LEGEND

POTENTIAL SOIL CONTAMINATION

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	26+39.9	TOP NUT FIRE HYDRANT	34.4' LT.	771.20



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

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 47	E

ABBREVIATION:
SL=SPECIAL LOGO

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA = 22+59.02

PI STA = 23+93.80

MAURICE A. ADAMS
254 S. RIVER ST.

HEIDI P. COLBY
252 S. RIVER ST.

CHRISTOPHER McCORMICK
100 WEST HOLMES ST.

MY BELLE AMIE, LLC
ROOF 218 S. RIVER ST.

WILLIAM B. RIEMER AND ELIZABETH H. RIEMER
214 S. RIVER ST.

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.

RIVER STREET CORP.
170 S. RIVER ST.

WEST HOLMES STREET

WEST VAN BUREN STREET

RIVER STREET

JOHN E. FREEMAN AND SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT

THOMAS H JONES
251 S. RIVER ST.

CITY OF JANESVILLE

THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

WEST HOLMES STREET R/W

ROCK RIVER

CONCRETE RIVER WALL

STA. 26+75.0, 38.5' LT.
MANHOLES 4-SL REQ'D. (14.0)

REMOVE STORM SEWER, 18-INCH

STA. 26+44.0, 38.5' LT.
INLETS 2X3-H-SL REQ'D. (14.1)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE INLET

STA. 26+10.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.1)

ROOF DRAIN CONNECTION

STA. 25+68.5, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.2)

STA. 26+10.0, 23.5' RT.
INLETS 2X3-H-SL REQ'D. (13.3)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE MANHOLE

REMOVE STORM SEWER, 12-INCH

CONCRETE COLLARS FOR PIPE

REMOVE STORM SEWER, 12-INCH

STA. 26+89.0, 38.5' LT.
INLETS 2X3-H-SL REQ'D. (14.2)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE MANHOLE

STA. 26+75.0, 16.5' LT.
MANHOLES 4-SL REQ'D. (13.0)

STA. 27+11.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.4)

REMOVE STORM SEWER, 10-INCH

REMOVE INLET

STA. 27+53.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.5)

ULO (G)

LOW PERMEABLE PLUG (TYP.)

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

REMOVE STORM SEWER, 18-INCH

REMOVE INLET

STA. 27+74.5, 23.5' RT.
INLETS 2X3-H-SL REQ'D. (13.6)

UTILITY TRENCH, SEE PAVING DETAILS

REMOVE STORM SEWER, 18-INCH

REMOVE STORM SEWER, 8-INCH
CONNECT INTO EXISTING CATCH BASIN

STA. 26+77.0, 173.0' RT.
MANHOLES 4-SL REQ'D. (19.0)

RECONNECT STORM SEWER, 18-INCH

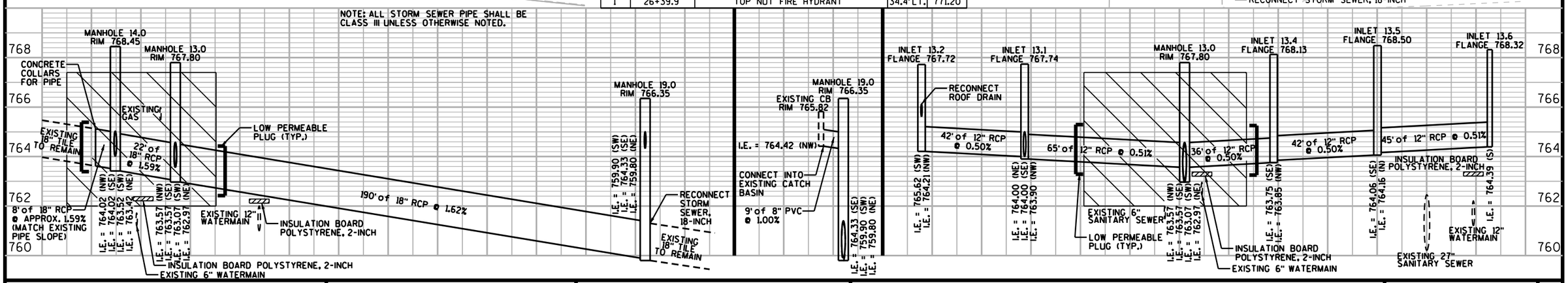
LEGEND

POTENTIAL SOIL CONTAMINATION

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	26+39.9	TOP NUT FIRE HYDRANT	34.4' LT.	771.20

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



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 48	E

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

WISDOT/CADDS SHEET 41a

Storm Sewer 03a.dgn 10/30/2012 3:32:27 PM jdolens

ABBREVIATION:
SL=SPECIAL LOGO

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA = 22+59.02

PI STA = 23+93.80

MAURICE A. ADAMS
254 S. RIVER ST.

HEIDI P. COLBY
252 S. RIVER ST.

CHRISTOPHER McCORMICK
100 WEST HOLMES ST.

MY BELLE AMIE, LLC

WILLIAM B. RIEMER AND ELIZABETH H. RIEMER
214 S. RIVER ST.

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.

RIVER STREET CORP.
170 S. RIVER ST.

JOHN E. FREEMAN AND SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT

THOMAS H JONES
251 S. RIVER ST.

THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

CITY OF JANESVILLE

RIVER STREET

WEST HOLMES STREET

WEST VAN BUREN STREET

WEST HOLMES STREET R/W

ROCK RIVER

CONCRETE RIVER WALL

STA. 26+75.0, 38.5' LT.
MANHOLES 4-SL REQ'D. (14.0)

REMOVE STORM SEWER, 18-INCH

STA. 26+44.0, 38.5' LT.
INLETS 2X3-H-SL REQ'D. (14.1)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE INLET

STA. 26+10.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.1)

ROOF DRAIN CONNECTION

STA. 25+68.5, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.2)

STA. 26+10.0, 23.5' RT.
INLETS 2X3-H-SL REQ'D. (13.3)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE MANHOLE

REMOVE STORM SEWER, 12-INCH

CONCRETE COLLARS FOR PIPE

REMOVE STORM SEWER, 12-INCH

STA. 26+89.0, 38.5' LT.
INLETS 2X3-H-SL REQ'D. (14.2)

REMOVE INLET

REMOVE STORM SEWER, 12-INCH

REMOVE MANHOLE

STA. 26+75.0, 16.5' LT.
MANHOLES 4-SL REQ'D. (13.0)

STA. 27+11.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.4)

REMOVE STORM SEWER, 10-INCH

REMOVE INLET

STA. 27+53.0, 16.5' LT.
INLETS 2X3-H-SL REQ'D. (13.5)

LOW PERMEABLE PLUG (TYP.)

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

REMOVE STORM SEWER, 18-INCH

REMOVE INLET

STA. 27+74.5, 23.5' RT.
INLETS 2X3-H-SL REQ'D. (13.6)

UTILITY TRENCH, SEE PAVING DETAILS

REMOVE STORM SEWER, 18-INCH

REMOVE STORM SEWER, 8-INCH
CONNECT INTO EXISTING CATCH BASIN

STA. 26+77.0, 173.0' RT.
MANHOLES 4-SL REQ'D. (19.0)

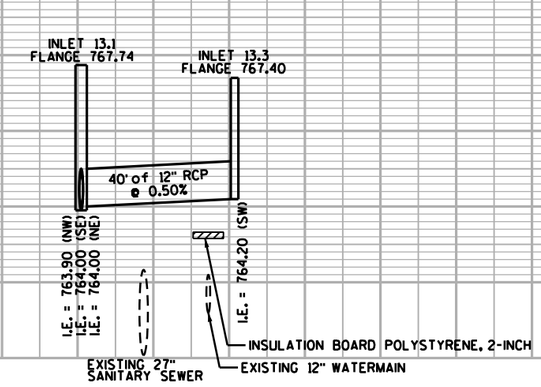
RECONNECT STORM SEWER, 18-INCH

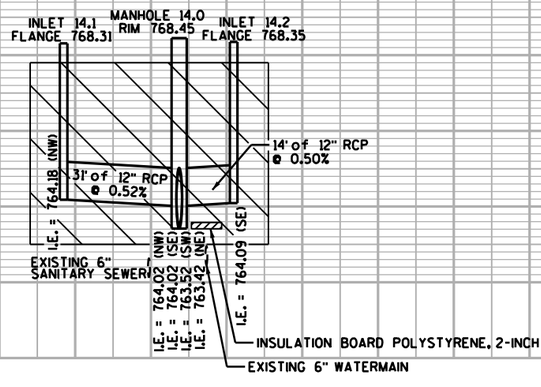
LEGEND

POTENTIAL SOIL CONTAMINATION

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
1	26+39.9	TOP NUT FIRE HYDRANT	34.4' LT.	771.20





768 766 764 762 760

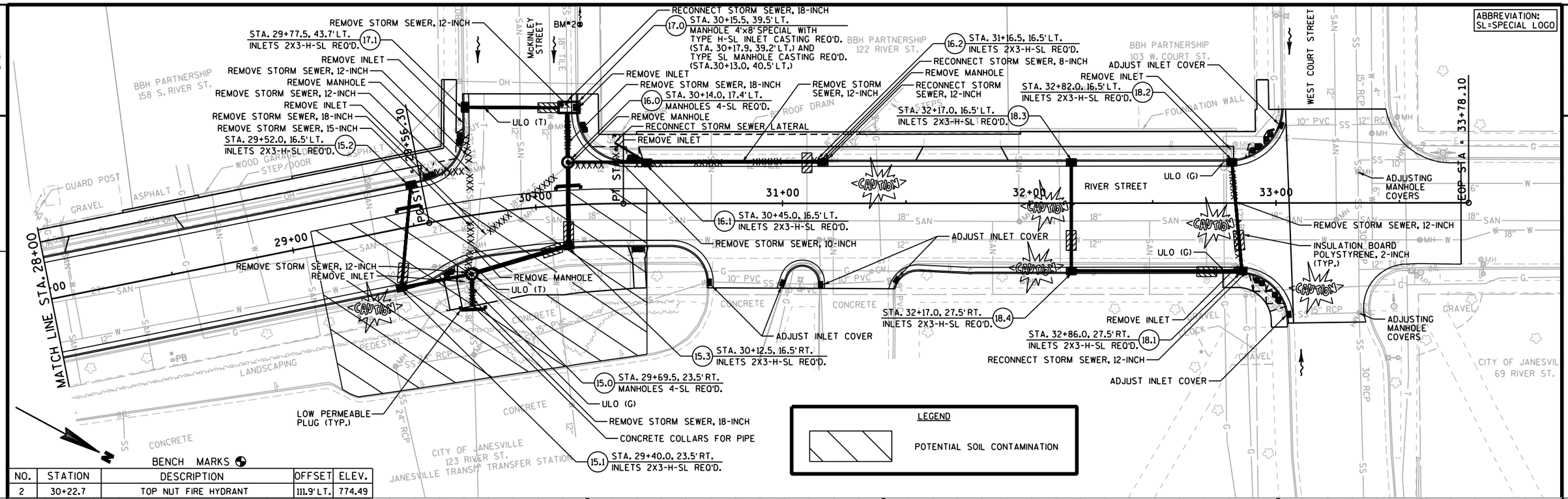
NOTE: ALL STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 49	E

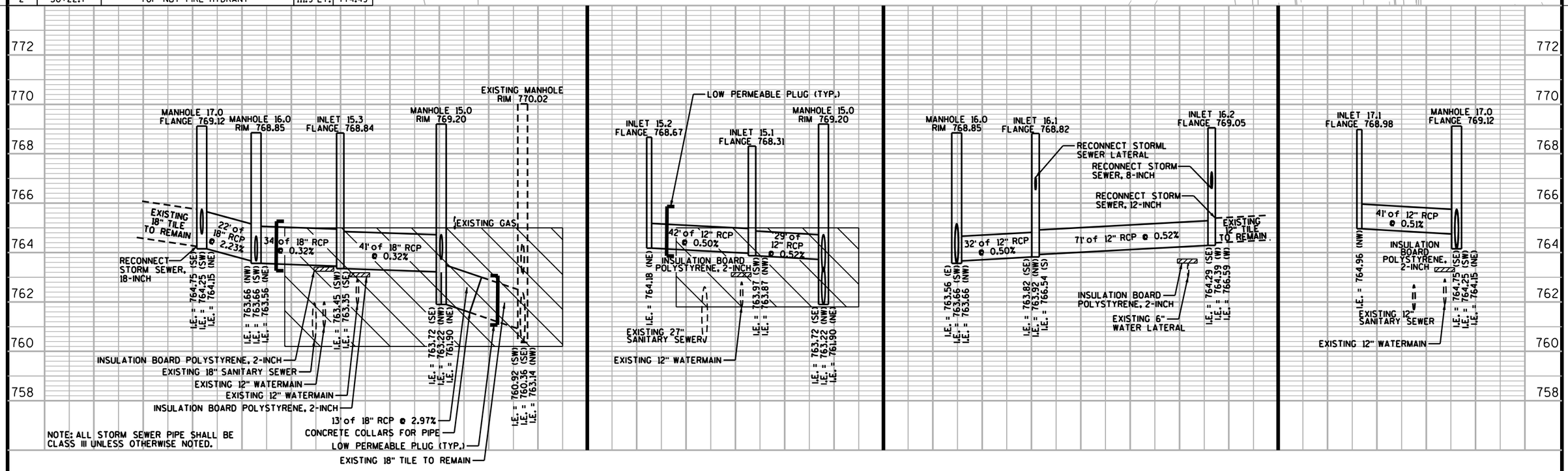
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 41a

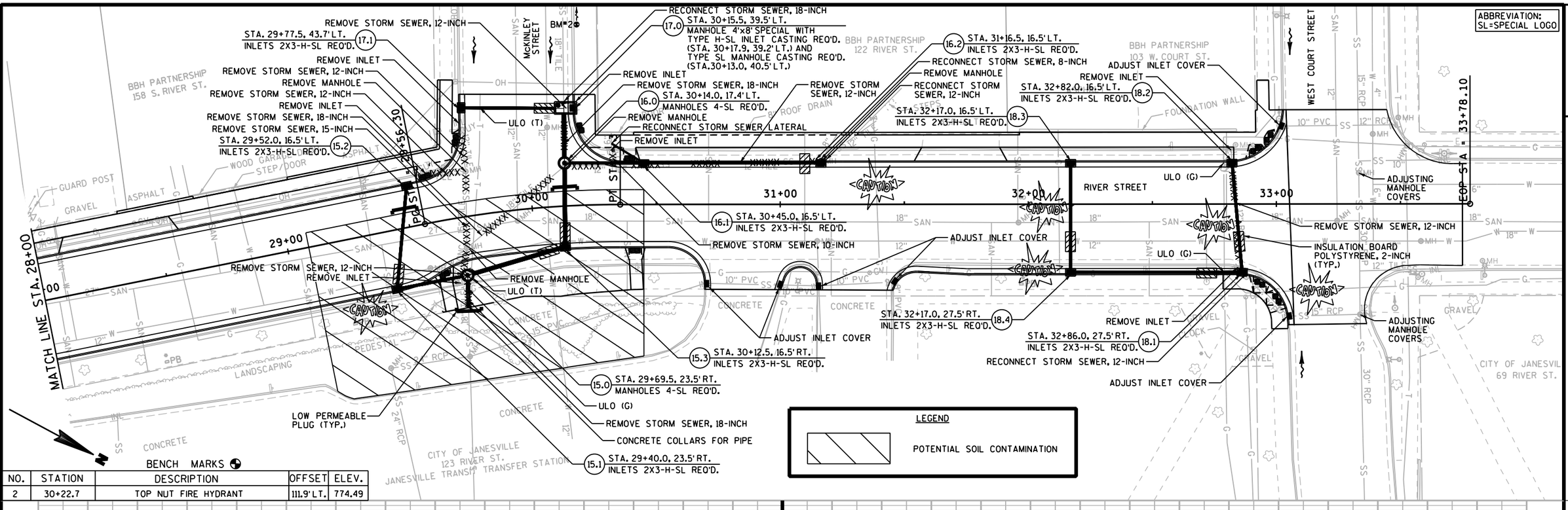
Storm Sewer 03b.dgn 10/30/2012 3:32:29 PM jdolens



NO.	STATION	DESCRIPTION	OFFSET	ELEV.
2	30+22.7	TOP NUT FIRE HYDRANT	111.9' LT.	774.49

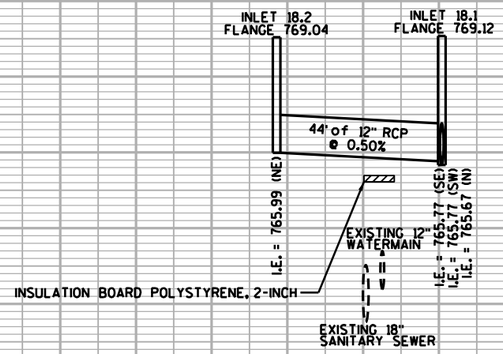


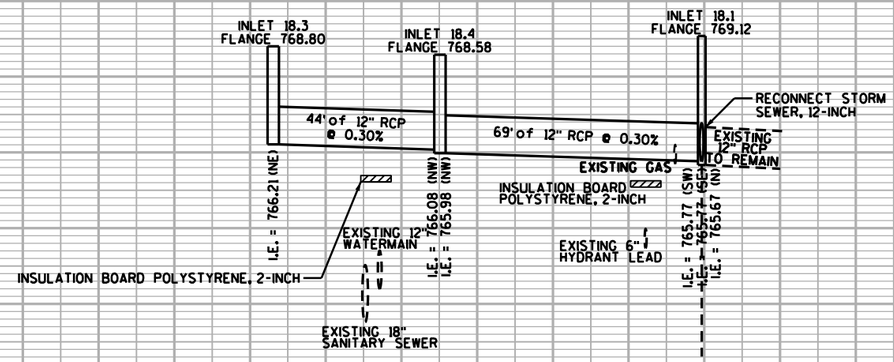
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 50	E



BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
2	30+22.7	TOP NUT FIRE HYDRANT	111.9' LT.	774.49





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

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STORM SEWER	SHEET 51	E

NOTES:

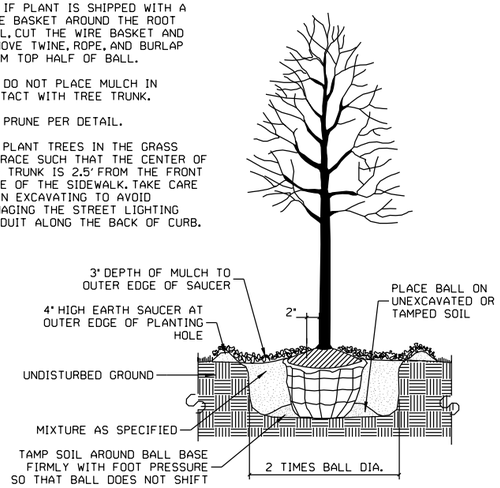
1. PLANT EACH TREE SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

2. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET AND REMOVE TWINE, ROPE, AND BURLAP FROM TOP HALF OF BALL.

3. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.

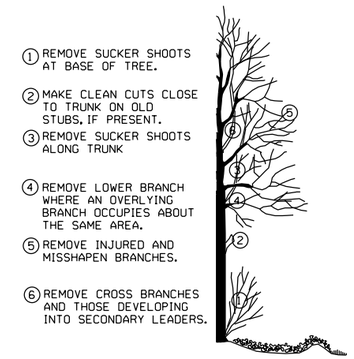
4. PRUNE PER DETAIL.

5. PLANT TREES IN THE GRASS TERRACE SUCH THAT THE CENTER OF THE TRUNK IS 2.5' FROM THE FRONT EDGE OF THE SIDEWALK. TAKE CARE WHEN EXCAVATING TO AVOID DAMAGING THE STREET LIGHTING CONDUIT ALONG THE BACK OF CURB.



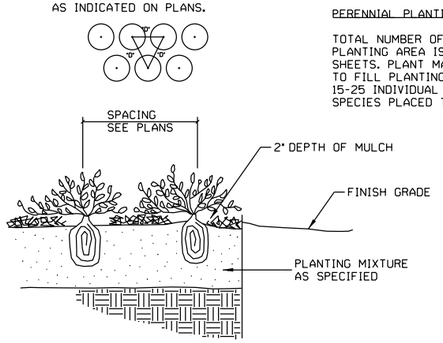
1 TREE PLANTING DETAIL
NOT TO SCALE

1. REMOVE SUCKER SHOOTS AT BASE OF TREE.
2. MAKE CLEAN CUTS CLOSE TO TRUNK ON OLD STUBS, IF PRESENT.
3. REMOVE SUCKER SHOOTS ALONG TRUNK
4. REMOVE LOWER BRANCH WHERE AN OVERLYING BRANCH OCCUPIES ABOUT THE SAME AREA.
5. REMOVE INJURED AND MISSHAPEN BRANCHES.
6. REMOVE CROSS BRANCHES AND THOSE DEVELOPING INTO SECONDARY LEADERS.



2 TREE PRUNING DETAIL
NOT TO SCALE

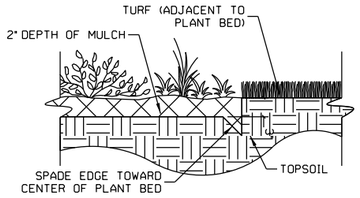
D=DIMENSION OF PLANT SPACING AS INDICATED ON PLANS.



3 PERENNIAL PLANTING DETAIL
NOT TO SCALE

PERENNIAL PLANTING NOTE:

TOTAL NUMBER OF PLANTS ASSIGNED TO EACH PLANTING AREA IS GIVEN ON LANDSCAPE PLAN SHEETS. PLANT MATERIAL SHALL BE ARRANGED TO FILL PLANTING AREAS WITH GROUPS OF 15-25 INDIVIDUAL PLANTS OF THE SAME SPECIES PLACED TOGETHER IN A CLUSTER.



4 SHOVEL CUT BED EDGE
NOT TO SCALE

Plant Items															
Symbol	Common Name	Scientific Name	Type	* Size When Planted	Spacing When Planted	Root Zone Mode	Minimum size				Brace or Guy	Fert. Units Req'd	Rodent Protct Req'd.	Mulch Ring Dia.
							Ball/ Pot Dia.	Ball/ Pot Depth	Plant Hole Dia.	Plant Hole Depth				
Deciduous Trees														
AF	Maple, Sienna Glen	Acer x freemanii 'Sienna'	1	2-1/2" Cal.	As shown	B&B	28"	19"	52"	19"	No	No	No	64"
AH	Horsechestnut, Baumann	Aesculus hippocastanum 'Baumannii'	1	2" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
CO	Hackberry, Windy City	Celtis occidentalis 'Windy City'	2	2-1/2" Cal.	As shown	B&B	28"	19"	52"	19"	No	No	No	64"
GB	Ginkgo, Princeton Sentry	Ginkgo biloba 'Princeton Sentry'	1	2-1/2" Cal.	As shown	B&B	28"	19"	52"	19"	No	No	No	64"
GT	Honeylocust, Skyline	Gleditsia triacanthos var. inermis 'Skyline'	1	2" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
PA	Planetree, 'Morton Circle' Exclamation!™	Platanus x acerifolia 'Morton Circle'	1	2" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
QW	Oak, Regal Prince	Quercus x warei 'Long' REGAL PRINCE	1	2" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
UA	American Elm, New Harmony	Ulmus americana 'New Harmony'	2	2" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
Ornamental Trees														
CB	Hophornbeam, European	Carpinus betulus	3	1-1/4" Cal.	As shown	B&B	24"	16"	48"	16"	No	No	No	60"
MP	Crabapple, Prairiefire	Malus 'Prairiefire'	3	6' Ht.	As shown	CG	-	-	-	-	No	No	No	48"
MS	Crabapple, Sugar Tyme	Malus 'Sutyzam' SUGAR TYME	3	6' Ht.	As shown	CG	-	-	-	-	No	No	No	48"
SR	Japanese Tree Lilac, Ivory Silk	Syringa reticulata 'Ivory Silk'	3	6' Ht.	As shown	CG	-	-	-	-	No	No	No	48"
Perennials														
AG	Big Bluestem	Andropogon gerardii	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
AC	Anemone, Canada	Anemone canadensis	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
AI	Milkweed, Marsh	Asclepias incarnata	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
AS	Milkweed, Butterfly	Asclepias tuberosa	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
AN	Aster, New England	Aster novae-angliae	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
AP	Aster, Red-stemmed	Aster puniceus	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
EH	Rush, Scouring	Equisetum hyemale	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
EM	Joe Pye Weed	Eupatorium maculatum	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
EP	Boneset	Eupatorium perfoliatum	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
HA	Sneezeweed	Helenium autumnale	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
LP	Blazingstar, Prairie	Liatris pycnostachya	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
LS	Lobelia, Blue	Lobelia siphilitica	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
MF	Beebalm	Monarda fistulosa	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
PV	Switchgrass	Panicum virgatum	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
PH	Obedient Plant	Physostegia virginiana	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
PY	Mint, Mountain	Pycnanthemum virginianum	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
RH	Black Eyed Susan	Rudbeckia hirta	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
RS	Black Eyed Susan, Sweet	Rudbeckia subtomentosa	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
SO	Goldenrod, Stiff	Solidago rigida	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
SP	Cordgrass, Prairie	Spartina pectinata	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
TO	Spiderwort, Ohio	Tradescantia ohiensis	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed
VF	Ironweed	Vernonia fasciculata	-	3" Plug	12" O.C.	CG	-	-	-	-	No	No	No	Mulched in bed

* FOR PLANT SIZE, REFER TO AMERICAN STANDARD FOR NURSERY STOCK (ANSI 260.1 - 2004)

2

SCHOOL DISTRICT-JANESVILLE
527 S. FRANKLIN STREET
VOCATIONAL SCHOOL

WEST RACINE STREET

PEDESTRIAN CURB
ASHPALT
RAILING
RETAINING WALL
RAILING
STEPS
RAILING
RETAINING WALL
STEPS
RAILING
RETAINING WALL
RETAINING WALL
ASPHALT

ASPHALT
SIGN

BOP STA = 10+00.00
PC STA = 10+89.50
PT STA = 11+68.32
PC STA = 13+17.67
PT STA = 14+18.00
MATCH LINE STA. 16+00

11+00
12+00
13+00
14+00
15+00

AH 2
ANCHOR BANK SSB
100 W. RACINE AVE.
ANCHOR BANK SSB

JACOB D. LUBECK
426 S. RIVER ST.

JANIS L. TOMPKINS
422 S. RIVER ST.
STEP

SHIRLEY BUTT
420 S. RIVER ST.

MARK A. RHODES
414 S. RIVER ST.

AH 1
EAGLE MANAGEMENT LLC
408 S. RIVER ST.

CB 1
GRASS
GRAVEL
SIGN
CANOPY
STEP
CONC.
GRASS
RETAINING W

RIVER STREET

POST

CITY OF JANESVILLE
501 S. RIVER ST.

RAILING
STEPS
RAILING

JOE L. & JOE P. SANKS
431 S. RIVER ST.
AMERICAN FAMILY INSURANCE

ASPHALT

AF 1
GT 3
CO 2

WORN PATH

ASPHALT

FENCE

MP 2
MS 3

CONCRETE RIVER WALL

ROCK RIVER

ROCK RIVER

+ LARGE TREES
SEED MIX 70
PERENNIAL PLUGS
X / XX PLANT SYMBOL / QUANTITY
Δ ORNAMENTAL TREES
(E) EXISTING TREES TO REMAIN

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STREETSCAPING	SHEET	E

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

WISDOT/CADDS SHEET 42

Streetscaping 01.dgn 10/30/2012 3:32:38 PM jdolens

2

2

AG	AC	AI	AS	AN	AP	EH	EM
495	100	100	100	100	100	100	100
EP	HA	LP	LS	MF	PV	PH	PY
100	100	100	100	100	595	100	100
RH	RS	SO	SP	TO	VF		
100	100	100	330	100	100		

AG	AC	AI	AS	AN	AP	EH	EM
625	125	125	125	125	125	125	125
EP	HA	LP	LS	MF	PV	PH	PY
125	125	125	125	125	755	125	125
RH	RS	SO	SP	TO	VF		
125	125	125	420	125	125		

SEED MIX 70

PERENNIAL PLUGS

PLANT SYMBOL (X) / QUANTITY (XX)

LARGE TREES

ORNAMENTAL TREES

EXISTING TREES TO REMAIN

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STREETSCAPING	SHEET 55	E

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

Streetscaping 02.dgn 10/30/2012 3:32:39 PM jdolens

2

2

ROOF DRAIN
CONCRETE WALL
CONCRETE LOADING DOCK
CONCRETE WALL
GARAGE DOOR
WEST VAN BUREN STREET
GRAVEL
RETAINING WALL
RETAINING WALL
FENCE
CONCRETE
STEPS
WEST HOLMES STREET
GB 1
OW 2
CB 2
CB 1
OW 1
GT 1
WILLIAM B. RIEMER AND ELIZABETH H. RIEMER 214 S. RIVER ST.
HARRIS ACE HARDWARE LLP 200 S. RIVER ST.
ROOF DRAIN (DOWN SPOUT)
RETAINING WALL
STEPS
RETAINING WALL
PLANTER
RETAINING WALL
RAILING
STEPS
ROOF DRAIN (DOWN SPOUT)
ASPHALT
CONCRETE CURB
CONC.
ASPHALT
ROOF DRAIN
ROOF DRAIN
ROOF DRAIN
STEP/DOOR
STREET CORP.
S. RIVER ST.
PI STA = 22+59.02
PI STA = 23+93.80
MATCH LINE STA. 22+00
23+00
24+00
25+00
26+00
27+00
28+00
MATCH LINE STA. 28+00
RIVER STREET
CONCRETE
ASPHALT
FENCE
ASPHALT
ASPHALT
ASPHALT
CO 1
AF 1
GB 1
GB 2
STEPS/DOOR
ASPHALT
ASPHALT
JOHN E. FREEMAN AND SUZANNE M. FREEMAN 255-261 S. RIVER ST. FREEMAN'S ALIGNMENT
THOMAS H JONES 251 S. RIVER ST.
CITY OF JANESVILLE
THOMAS H JONES 215-223 S. RIVER ST. RIVERS EDGE BOWL
CITY OF JANESVILLE
SEED MIX 70
PERENNIAL PLUGS
X PLANT SYMBOL
XX QUANTITY
LARGE TREES
ORNAMENTAL TREES
E EXISTING TREES TO REMAIN
ROCK RIVER
CONCRETE RIVER WALL
ROCK RIVER
CONCRETE RIVER WALL
ROCK RIVER

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STREETSCAPING	SHEET	E

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

Streetscaping 03.dgn 10/30/2012 3:32:41 PM jdolens

2

2

SEED MIX 70

PERENNIAL PLUGS

X / XX PLANT SYMBOL / QUANTITY

+ LARGE TREES

Δ ORNAMENTAL TREES

(E) EXISTING TREES TO REMAIN

ASPHALT

GARAGE DOOR/LOADING DOCK

RETAINING WALL

MCKINLEY STREET

CB 1

CB 2

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 RIVER ST.

GUARD POST

GRAVEL

ASPHALT

WOOD GARAGE DOOR
STEP/DOOR

DOOR

8" ROOF DRAIN

GB 2

CO 1

STEPS

SR 1

BBH PARTNERSHIP
103 W. COURT ST.

WEST COURT STREET

FOUNDATION WALL

MATCH LINE STA. 28+00

28+00

29+00

30+00

31+00

32+00

33+00

PC STA = 29+56.30

PT STA = 30+35.49

EOP STA = 33+78.10

LANDSCAPING

PEDESTAL

CONCRETE

AF 1

CITY OF JANESVILLE
123 RIVER ST.
JANESVILLE TRANSIT TRANSFER STATION

RIVER STREET

MP 2

MS 3

GRAVEL

CURB

CITY OF JANESVILLE
69 RIVER ST.

BRIDGE RAILING

FENCE

ROCK RIVER

CONCRETE RIVER WALL

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	STREETSCAPING	SHEET	E

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

Streetscaping 04.dgn 10/30/2012 3:32:42 PM jdolens

2

OVERHEAD (TO REMAIN)

(TO REMAIN)

DO NOT ENTER (TO REMAIN)

W. Racine St. / S. River St. STOP

PEDESTRIAN CURB

STOP (TO REMAIN)

ASPHALT

W. Racine St. 1.1 D3-1 24" x 8"

S. River St. 1.2 D3-1 24" x 8"

STOP 1.3 R1-1 30" x 30"

SCHOOL DISTRICT-JANESVILLE
527 S. FRANKLIN STREET
VOCATIONAL SCHOOL

WEST RACINE STREET

RAILING

RETAINING WALL
RAILING
STEPS
RAILING

SCHOOL DISTRICT OF JANESVILLE
-RESTRICTED PARKING
-AUTHORIZED VEHICLES ONLY
-NO PARKING 12:00 MIDNIGHT TO 6:00 AM
-UNAUTHORIZED VEHICLES WILL BE TICKETED AND TOWED
(TO REMAIN)

BIKE ROUTE (TO REMAIN)

ASPHALT

BOP STA = 10+00.00

PC STA = 10+89.50

11+00

PT STA = 11+68.32

12+00

13+00

PC STA = 13+37.67

PT STA = 14+18.00

14+00

15+00

16

MATCH LINE STA. 16+00

RETAINING WALL
STEPS
RAILING

RETAINING WALL

ASPHALT

ANCHOR BANK SSB
100 W. RACINE AVE.
ANCHOR BANK SSB

JACOB D. LUBECK
426 S. RIVER ST.

R3-17 30" x 24"
BIKE LANE ENDS 1.4 1.5
R3-17B 30" x 12"
BIKE ROUTE

NO PARKING HERE TO CORNER 1.6 R7-1L 12" x 18"

JANIS L. TOMPKINS
422 S. RIVER ST.

SHIRLEY BUTT
420 S. RIVER ST.

2 HR PARKING ONLY 1.7 R7-108B(MOD.) 12" x 18"

90 MIN PARKING ONLY

HERE TO CORNER

A. RHODES
S. RIVER ST.

EAGLE MANAGEMENT LLC
408 S. RIVER ST.

2 HR PARKING ONLY 1.8 R7-108B(MOD.) 12" x 18"

90 MIN PARKING ONLY

GRASS

GRAVEL

SIGN

CANOPY

STEP

CONC.

GRASS

RETAINING W

RIVER STREET

ASPHALT OVERLAY 27"

2" PVC

SIGN

GUY

2 HOUR PARKING (TO REMAIN)

BIKE ROUTE (TO REMAIN)

STOP (TO REMAIN)

CITY OF JANESVILLE
501 S. RIVER ST.

REMOVING SIGN

MOVING SIGN TYPE II

1.13 D11-1 24" x 18" BIKE ROUTE

1.14 R5-3 24" x 24" NO MOTOR VEHICLES

1.15 R1-1 18" x 18" STOP

1.16 R1-2 18" x 18" YIELD

1.18

RAILING
STEPS
RAILING

JOE L. & JOE P. SANKS
431 S. RIVER ST.
AMERICAN FAMILY INSURANCE

ASPHALT

1.11 R2-1 24" x 30" SPEED LIMIT 25

NO PARKING TRUCKS, TRAILERS OVER 6000 LBS GVW (TO REMAIN)

HERE TO CORNER

(TO REMAIN)

1.12 R7-1D 12" x 18" NO PARKING ANY TIME

90 MIN PARKING ONLY

ASPHALT

(TO REMAIN)

(TO REMAIN)

ASPHALT

WORN PATH

12" CONC.

SS 12" CONC.

15" TILE SS

ASPHALT

10" PVC SS

INL

MH

ROCK RIVER

FENCE

CONCRETE RIVER WALL

ROCK RIVER

HOSPITAL (TO REMAIN)

1.9 R3-17 24" x 18" BIKE LANE

1.10 R7-1D 12" x 18" NO PARKING ANY TIME

1.17 W3-1a 18" x 18" STOP AHEAD

NOTE: ALL EXISTING SIGNS TO BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PERMANENT SIGNING	SHEET	E

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

Signing 01.dgn 10/30/2012 3:32:44 PM jdolens

2

MATCH LINE STA. 16+00

MATCH LINE STA. 22+00

Union St.
S. River St.
STOP
2.2 Union St.
D3-1
24" x 8"
2.3 S. River St.
D3-1
24" x 8"
2.4 STOP
R1-1
30" X 30"
2.1 BIKE LANE
R3-17
24" X 18"

2.6 Rock St.
D3-1
24" x 8"
2.7 S. River St.
D3-1
24" x 8"
2.8 STOP
R1-1
30" X 30"
Rock St.
S. River St.
STOP
2.5 BIKE LANE
R3-17
24" X 18"

2.9 W11-15
30" X 30"
2.10 W16-7P
24" X 12"
2.11 W11-15
30" X 30"
AHEAD
W16-9P
24" X 8"
2.12

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

2.14 W11-15
30" X 30"
AHEAD
2.15 W16-9P
24" X 8"

2.16 W11-15
30" X 30"
2.17 W16-7P
24" X 12"

2.19 NO PARKING ANY TIME
R7-1D
12" X 18"
2.26 STOP
R1-1
18" X 18"
BIKE LANE 2.18
R3-17
24" X 18"
BIKE ROUTE 2.22
D11-1
24" X 18"
NO MOTOR VEHICLES 2.23
R5-3
24" X 24"
BIKE ROUTE 2.24
D11-1
24" X 18"
2.25 M6-4
21" X 21"

2.21 STOP AHEAD
W3-1a
18" X 18"

90 MIN PARKING ONLY
NO PARKING TRUCKS TRAILERS OVER 1000 LBS GVW
(TO REMAIN)
Union St. 2.20
D3-1
24" x 8"

UNION STREET
ROCK STREET
RIVER STREET
ASPHALT
CONCRETE
GRAVEL
STEPS
FENCE
SHED
GUY
MH
CB
BENCH
WOOD POST
SIGN
GARAGE DOOR
GARAGE DOOR
GARAGE DOOR
GARAGE [
RAILING
ROOF DRAIN (DOWN SPOUT)
STEP
CONCRETE RIVER WALL
ROCK RIVER
MH 12" RCP
12" PVC
12" TILE
15" TILE
24" TILE
16'
105'

SARA POPIK
103 UNION ST.

RICHARD D. DONAHUE
AND MARY M. DONAHUE
102 UNION ST.

SCOTT G. PORTER
314 S. RIVER ST.

SCOTT G. PORTER
300 S. RIVER ST.
JANESVILLE PRINTING

JOSEPH R. SHELDON
102 ROCK ST.

MAURICE A. ADAMS
266 S. RIVER ST.

CITY OF JANESVILLE
303 S. RIVER ST.

RUSSEL G. OLVER AND
MICHAEL J. OLVER
265 S. RIVER ST.
AUTO MAGIC

MAUR
254

16+00 17+00 18+00 19+00 20+00 21+00 22+00

101"R"+00 102"R"+00 103"R"+00 104"R"+00 105"R"+00

NOTE: ALL EXISTING SIGNS TO BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	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

2

W. Holmes St.
S. River St.
STOP
3.2 W. Holmes St. D3-1 24" x 8"
3.3 S. River St. D3-1 24" x 8"
3.4 STOP R1-1 30" x 30"
3.1 BIKE LANE R3-17 24" x 18"
3.5 NO PARKING ANY TIME R7-1R 12" x 18"
3.11 NO PARKING ANY TIME R7-1R 12" x 18"
W. Van Buren St.
S. River St.
STOP
3.8 W. Van Buren St. D3-1 30" x 8"
3.9 S. River St. D3-1 24" x 8"
3.10 STOP R1-1 30" x 30"
3.6 BIKE LANE R3-17 24" x 18"
3.7 NO PARKING ANY TIME R7-1L 12" x 18"
3.12 NO PARKING ANY TIME R7-1L 12" x 18"
3.13 NO PARKING ANY TIME R7-1R 12" x 18"
3.14 NO PARKING ANY TIME R7-1R 12" x 18"

WEST HOLMES STREET
WEST VAN BUREN STREET
RIVER STREET
MATCH LINE STA. 22+00
MATCH LINE STA. 28+00
PI STA = 22+59.02
PI STA = 23+93.80
22+00
23+00
24+00
25+00
26+00
27+00
28

ICE A. ADAMS
S. RIVER ST.
252 S. RIVER ST.
HEIDI P. COLBY
CONCRETE
CHRISTOPHER McCORMICK
100 WEST HOLMES ST.
MY BELLE AMIE, LLC
WILLIAM B. RIEMER AND ELIZABETH H. RIEMER
214 S. RIVER ST.
HARRIS ACE HARDWARE L.P.
200 S. RIVER ST.
RIVER STREET CORP.
170 S. RIVER ST.
JOHN E. FREEMAN AND SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT
THOMAS H JONES
251 S. RIVER ST.
CITY OF JANESVILLE
THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL
CITY OF JANESVILLE

CONCRETE WALL
CONCRETE LOADING DOCK
CONCRETE WALL
GARAGE DOOR
STEP/DOOR
(TO REMAIN)
(TO REMAIN)
GRAVEL
RETAINING WALL
FENCE
STEPS
ROOF DRAIN (DOWN SPOUT)
PLANTER
RAILING
CONC.
ASPHALT
CONCRETE CURB
ROOF DRAIN
DRAIN
GUY
SIGN
STEPS/DOOR
CONCRETE
FENCE
DOOR
30" BOX
CONCRETE RIVER WALL
ROCK RIVER
CB CONC

NOTE: ALL EXISTING SIGNS TO BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	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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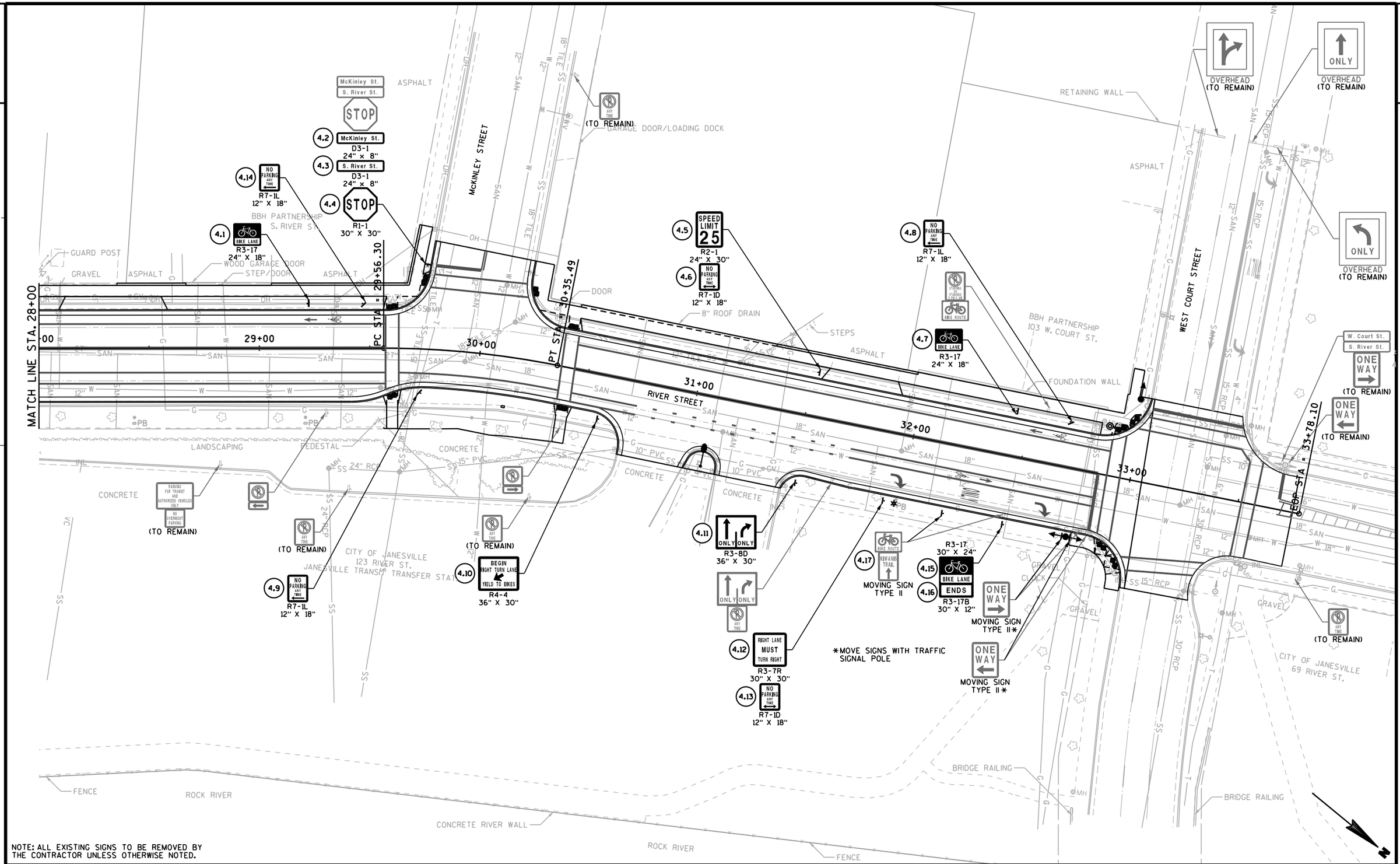

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PERMANENT SIGNING	SHEET	E

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

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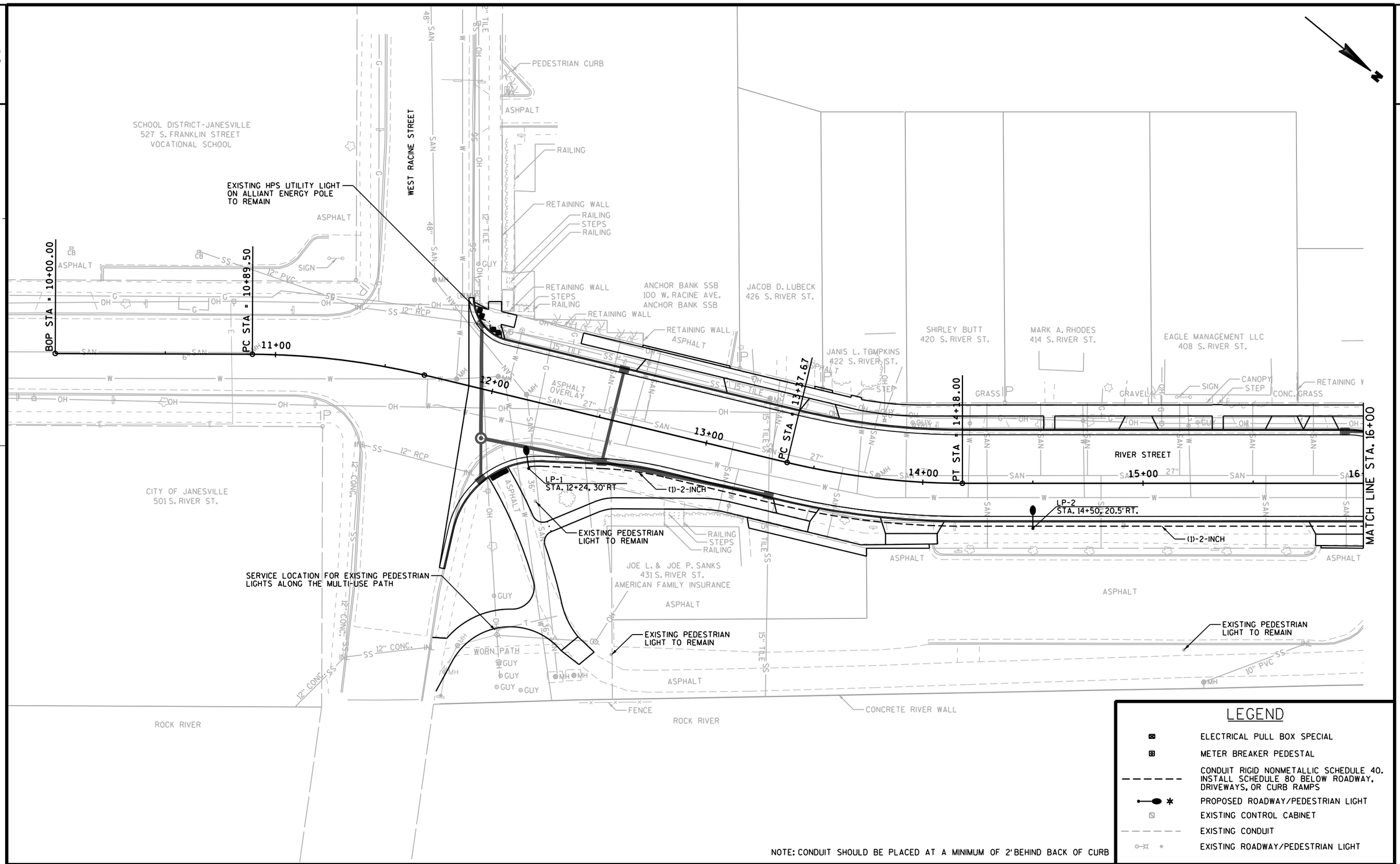
2



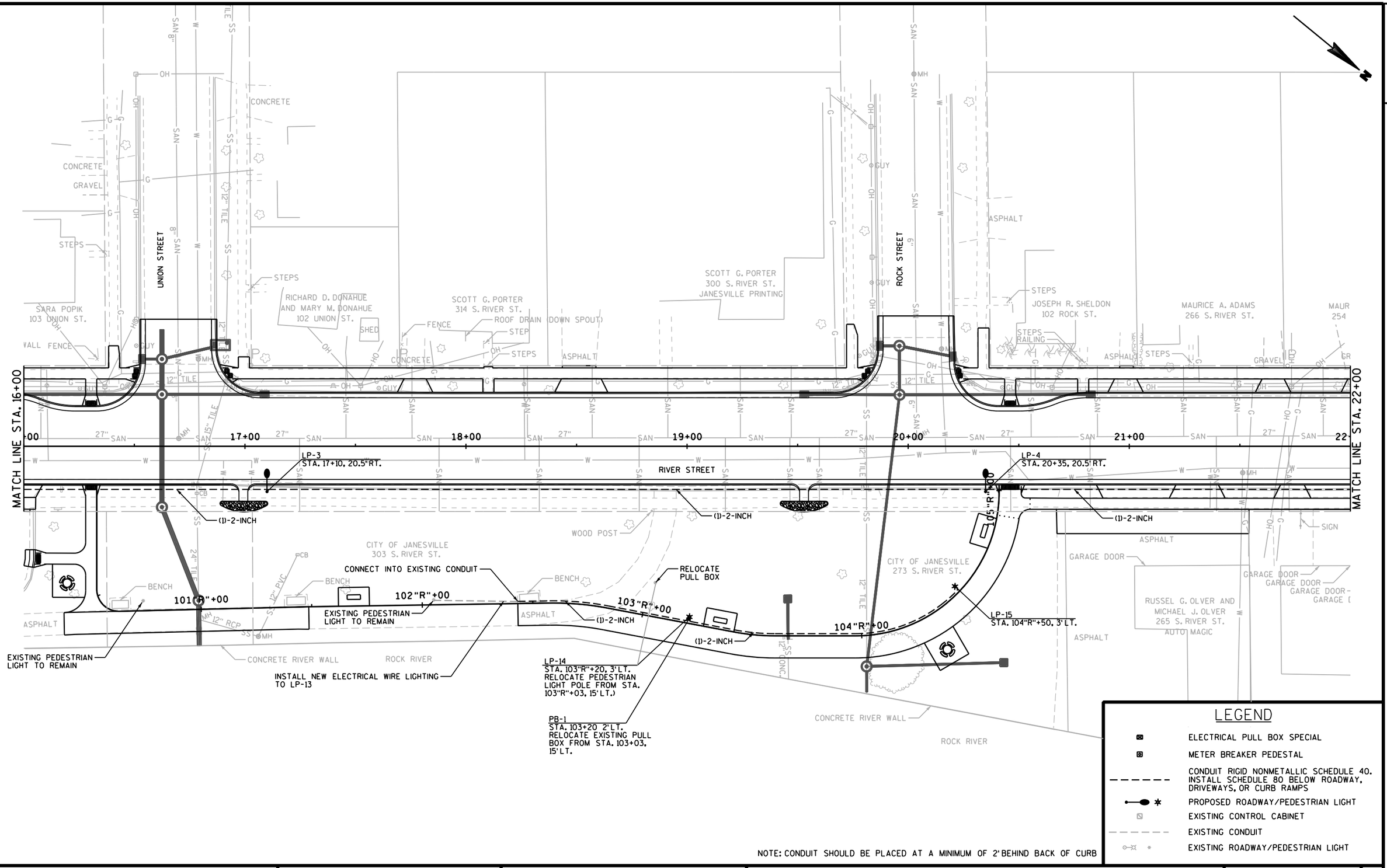
LEGEND

- ELECTRICAL PULL BOX SPECIAL
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40. INSTALL SCHEDULE 80 BELOW ROADWAY, DRIVEWAYS, OR CURB RAMPS
- PROPOSED ROADWAY/PEDESTRIAN LIGHT
- EXISTING CONTROL CABINET
- EXISTING CONDUIT
- EXISTING ROADWAY/PEDESTRIAN LIGHT

NOTE: CONDUIT SHOULD BE PLACED AT A MINIMUM OF 2' BEHIND BACK OF CURB

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	LIGHTING	SHEET 62	E

2



NOTE: CONDUIT SHOULD BE PLACED AT A MINIMUM OF 2' BEHIND BACK OF CURB

LEGEND

- ELECTRICAL PULL BOX SPECIAL
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40. INSTALL SCHEDULE 80 BELOW ROADWAY, DRIVEWAYS, OR CURB RAMPS
- PROPOSED ROADWAY/PEDESTRIAN LIGHT
- EXISTING CONTROL CABINET
- EXISTING CONDUIT
- EXISTING ROADWAY/PEDESTRIAN LIGHT

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	LIGHTING	SHEET 63	E

2

2

EXTEND CONDUIT TO ALLIANT ENERGY UTILITY POLE

WEST HOLMES STREET

WEST VAN BUREN STREET

RIVER STREET

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA = 22+59.02

PI STA = 23+93.80

22+00

23+00

24+00

25+00

26+00

27+00

28

(1)-4-INCH

(1)-2-INCH

(1)-2-INCH

(1)-2-INCH

PB-2
STA. 23+59, 23.5'RT.

MBP-1
STA. 23+60, 25.5'RT.

LP-5
STA. 23+58, 25.5'RT.

LP-6
STA. 26+92, 23.5'RT.

REMOVE EXISTING CONCRETE BASE,
REMOVE ROADWAY LIGHT POLE,
REMOVE LUMINAIRE AND MAST ARM

LP-7
STA. 26+67.5, 24.0'RT.
REMOVE AND REPLACE PEDESTRIAN LUMINAIRE (EXISTING PEDESTRIAN LIGHT TO REMAIN).

PB-3
STA. 26+67.5, 26.5'RT.
(EXISTING PULL BOX TO REMAIN)

HEIDI P. COLBY
252 S. RIVER ST.

ICE A. ADAMS
S. RIVER ST.

CHRISTOPHER McCORMICK
100 WEST HOLMES ST.

MY BELLE AMIE, LLC
ROOF 218 S. RIVER ST.

WILLIAM B. RIEMER AND ELIZABETH H. RIEMER
214 S. RIVER ST.

HARRIS ACE HARDWARE LLP
200 S. RIVER ST.

RIVER STREET CORP.
170 S. RIVER ST.

JOHN E. FREEMAN AND SUZANNE M. FREEMAN
255-261 S. RIVER ST.
FREEMAN'S ALIGNMENT

THOMAS H JONES
251 S. RIVER ST.

THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

CITY OF JANESVILLE

CITY OF JANESVILLE

ROCK RIVER

ROCK RIVER

CONCRETE RIVER WALL

CONCRETE RIVER WALL

NOTE: CONDUIT SHOULD BE PLACED AT A MINIMUM OF 2' BEHIND BACK OF CURB

LEGEND

- ELECTRICAL PULL BOX SPECIAL
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40. INSTALL SCHEDULE 80 BELOW ROADWAY, DRIVEWAYS, OR CURB RAMPS
- PROPOSED ROADWAY/PEDESTRIAN LIGHT
- EXISTING CONTROL CABINET
- EXISTING CONDUIT
- EXISTING ROADWAY/PEDESTRIAN LIGHT

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	LIGHTING	SHEET	E

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

WISDOT/CADDS SHEET 42

Lighting 03.dgn 2/6/2013 10:05:43 AM jdolens

2

MATCH LINE STA. 28+00

ASPHALT

MCKINLEY STREET

BBH PARTNERSHIP
158 S. RIVER ST.

GUARD POST

GRAVEL

ASPHALT

WOOD GARAGE DOOR
STEP/DOOR

ASPHALT

PC STA = 29+56.30

GARAGE DOOR/LOADING DOCK

BBH PARTNERSHIP
122 RIVER ST.

DOOR

PT STA = 30+35.49

8" ROOF DRAIN

STEPS

ASPHALT

RETAINING WALL

ASPHALT

BBH PARTNERSHIP
103 W. COURT ST.

WEST COURT STREET

FOUNDATION WALL

28+00

29+00

30+00

31+00

32+00

33+00

RIVER STREET

EOP STA = 33+78.10

LANDSCAPING

PEDESTAL

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

GRAVEL

GRAVEL

CLOCK

CITY OF JANESVILLE
123 RIVER ST.
JANESVILLE TRANSIT TRANSFER STATION

CITY OF JANESVILLE
69 RIVER ST.

LP-8
STA. 28+43.5, 24.5' RT.
REMOVE AND REPLACE
PEDESTRIAN LUMINAIRE
(EXISTING PEDESTRIAN LIGHT
TO REMAIN).

PB-4
STA. 28+43.5, 27.0' RT.
(EXISTING PULL BOX
TO REMAIN)

LP-9
STA. 29+21, 24.5' RT.
REMOVE AND REPLACE
PEDESTRIAN LUMINAIRE
(EXISTING PEDESTRIAN LIGHT
TO REMAIN).

PB-5
STA. 29+21, 27.0' RT.
(EXISTING PULL BOX
TO REMAIN)

PB-6
STA. 30+14, 22.5' RT.

LP-10
STA. 29+99, 29.5' RT.
REMOVE AND REPLACE
PEDESTRIAN LUMINAIRE
(EXISTING PEDESTRIAN LIGHT
TO REMAIN).

LP-11
STA. 31+08, 31.5' RT.

REMOVE EXISTING CONCRETE BASE.
REMOVE ROADWAY LIGHT POLE.
REMOVE LUMINAIRE AND MAST ARM

LP-12
STA. 31+97, 31.5' RT.
RELOCATE EXISTING
PEDESTRIAN LIGHT POLE.
REMOVE AND REPLACE
PEDESTRIAN LUMINAIRE.

PB-7
STA. 31+97, 32.5' RT.
(EXISTING PULL BOX
TO REMAIN)

FENCE

ROCK RIVER

CONCRETE RIVER WALL

ROCK RIVER

BRIDGE RAILING

LEGEND

- ELECTRICAL PULL BOX SPECIAL
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40. INSTALL SCHEDULE 80 BELOW ROADWAY, DRIVEWAYS, OR CURB RAMPS
- PROPOSED ROADWAY/PEDESTRIAN LIGHT
- EXISTING CONTROL CABINET
- EXISTING CONDUIT
- EXISTING ROADWAY/PEDESTRIAN LIGHT

NOTE: CONDUIT SHOULD BE PLACED AT A MINIMUM OF 2' BEHIND BACK OF CURB

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	LIGHTING	SHEET	E

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

Lighting 04.dgn 2/6/2013 11:15:30 AM jdolens

LEGEND

- SIGNAL ON CONCRETE LIGHT POLE
- SIGNAL POLE
- PULL BOX, STEEL, 24 X 42-INCH
- PULL BOX, STEEL, 24 X 36-INCH
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION (FOR INFO ONLY)
- EXISTING CONDUIT
- EXISTING TRAFFIC SIGNAL POLE
- EXISTING TRAFFIC SIGNAL CONTROL CABINET (TO REMAIN)

SIGNAL DESIGN GENERAL/CONSTRUCTION NOTES:

1. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED. DISTANCE BETWEEN MULTIPLE LOOPS SHALL BE 8 FEET. LOOP ORIENTATION SHOWN ON PLAN.

2. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE SHOWN.

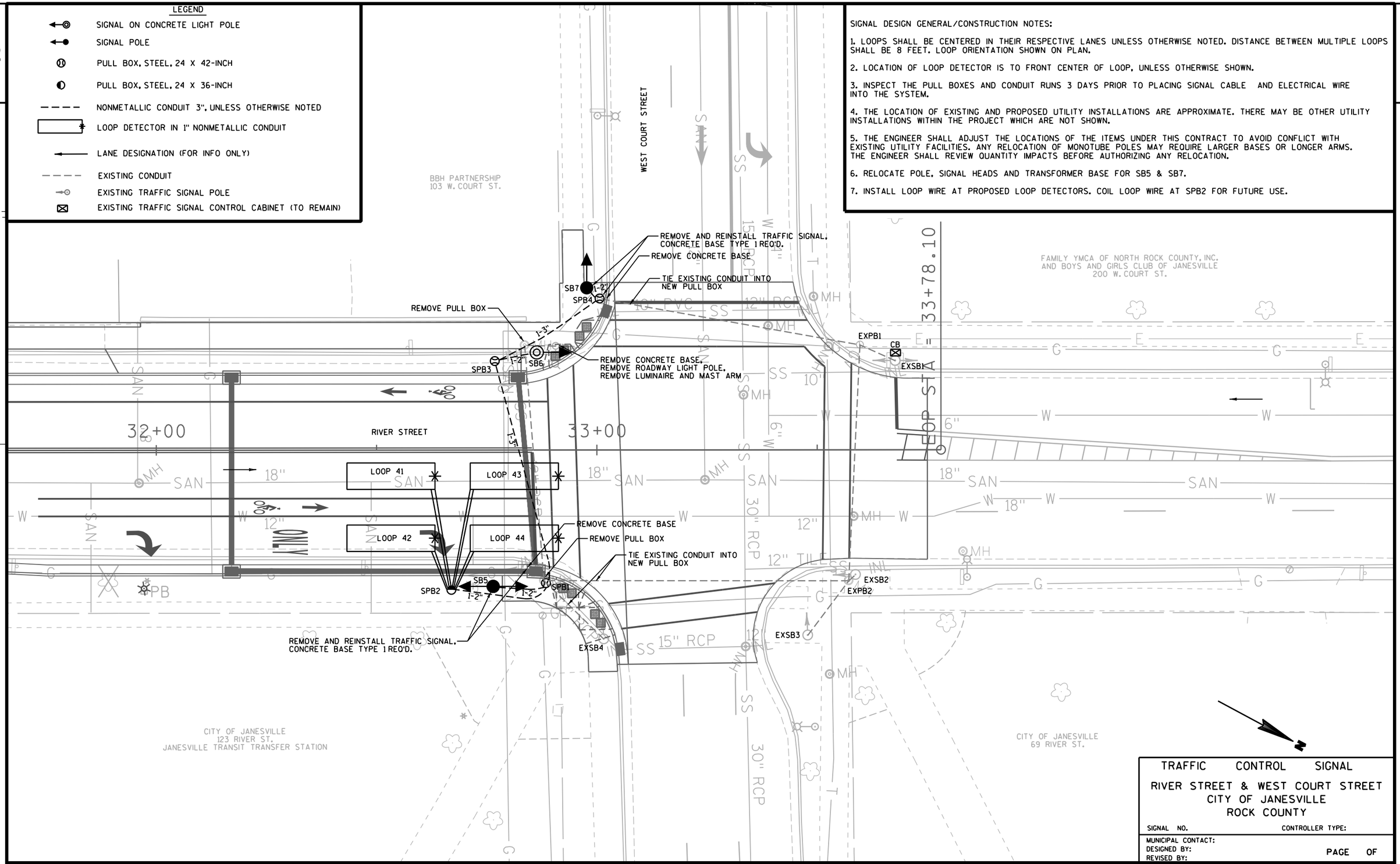
3. INSPECT THE PULL BOXES AND CONDUIT RUNS 3 DAYS PRIOR TO PLACING SIGNAL CABLE AND ELECTRICAL WIRE INTO THE SYSTEM.

4. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

5. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. ANY RELOCATION OF MONOTUBE POLES MAY REQUIRE LARGER BASES OR LONGER ARMS. THE ENGINEER SHALL REVIEW QUANTITY IMPACTS BEFORE AUTHORIZING ANY RELOCATION.

6. RELOCATE POLE, SIGNAL HEADS AND TRANSFORMER BASE FOR SB5 & SB7.

7. INSTALL LOOP WIRE AT PROPOSED LOOP DETECTORS. COIL LOOP WIRE AT SPB2 FOR FUTURE USE.



TRAFFIC CONTROL SIGNAL

RIVER STREET & WEST COURT STREET
CITY OF JANESVILLE
ROCK COUNTY

SIGNAL NO. CONTROLLER TYPE:

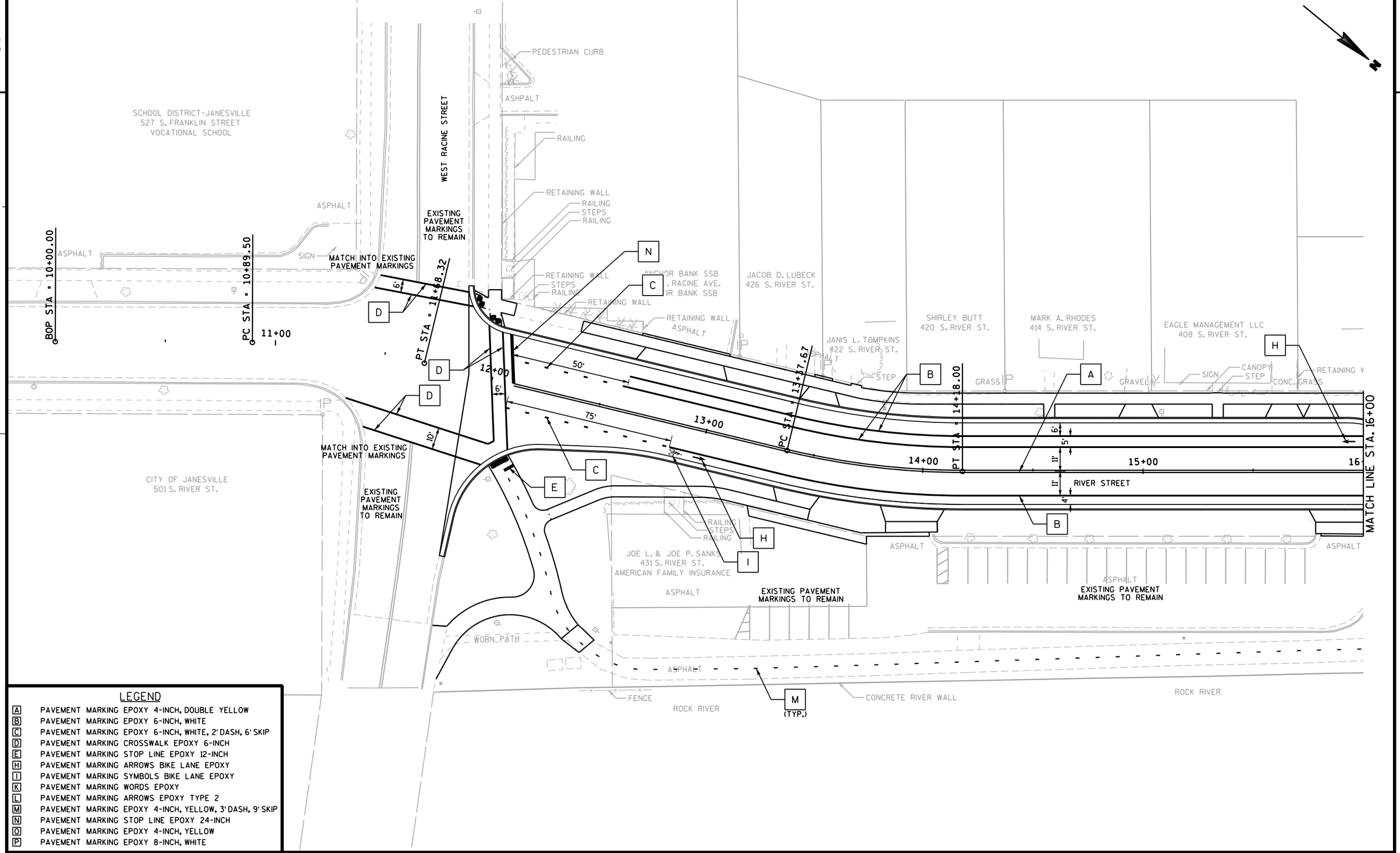
MUNICIPAL CONTACT:
DESIGNED BY:
REVISED BY:
PAGE OF

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRAFFIC SIGNAL IMPROVEMENTS	SHEET	E

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

Court St & River St Imp.dgn 2/6/2013 11:15:50 AM jdolens

2



LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 6-INCH, WHITE
C	PAVEMENT MARKING EPOXY 6-INCH, WHITE, 2' DASH, 6' SKIP
D	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E	PAVEMENT MARKING STOP LINE EPOXY 12-INCH
H	PAVEMENT MARKING ARROWS BIKE LANE EPOXY
I	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
K	PAVEMENT MARKING WORDS EPOXY
L	PAVEMENT MARKING ARROWS EPOXY TYPE 2
M	PAVEMENT MARKING EPOXY 4-INCH, YELLOW, 3' DASH, 9' SKIP
N	PAVEMENT MARKING STOP LINE EPOXY 24-INCH
O	PAVEMENT MARKING EPOXY 4-INCH, YELLOW
P	PAVEMENT MARKING EPOXY 8-INCH, WHITE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET	E

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

WISDOT/CADDS SHEET 42

PM 01.dgn 10/30/2012 3:32:58 PM jdolens

2

2

CONCRETE
CONCRETE
GRAVEL
STEPS
UNION STREET
STEPS
SARA POPIK
103 UNION ST.
WALL FENCE
RICHARD D. DONAHUE
AND MARY M. DONAHUE
102 UNION ST.
SHED
SCOTT G. PORTER
314 S. RIVER ST.
FENCE
ROOF DRAIN (DOWN SPOUT)
STEP
CONCRETE
STEPS
ASPHALT
SCOTT G. PORTER
300 S. RIVER ST.
JANESVILLE PRINTING
ROCK STREET
ASPHALT
STEPS
JOSEPH R. SHELDON
102 ROCK ST.
STEPS
RAILING
ASPHALT
STEPS
MAURICE A. ADAMS
266 S. RIVER ST.
GRAVEL
MAUR
254
GR

MATCH LINE STA. 16+00
17+00
18+00
19+00
20+00
21+00
22
MATCH LINE STA. 22+00
RIVER STREET

15' 15' 6' 5' 4' 11' 11' 6' 4' 10' 105"R"+00

CITY OF JANESVILLE
303 S. RIVER ST.
BENCH
BENCH
101"R"+00
102"R"+00
103"R"+00
104"R"+00
ASPHALT
CONCRETE RIVER WALL
ROCK RIVER
M
(TYP.)
CONCRETE RIVER WALL
ROCK RIVER
ASPHALT
SIGN
ASPHALT
GARAGE DOOR
GARAGE DOOR
GARAGE DOOR
GARAGE [
RUSSEL G. OLVER AND
MICHAEL J. OLVER
265 S. RIVER ST.
AUTO MAGIC
ASPHALT

A B D E H I

LEGEND

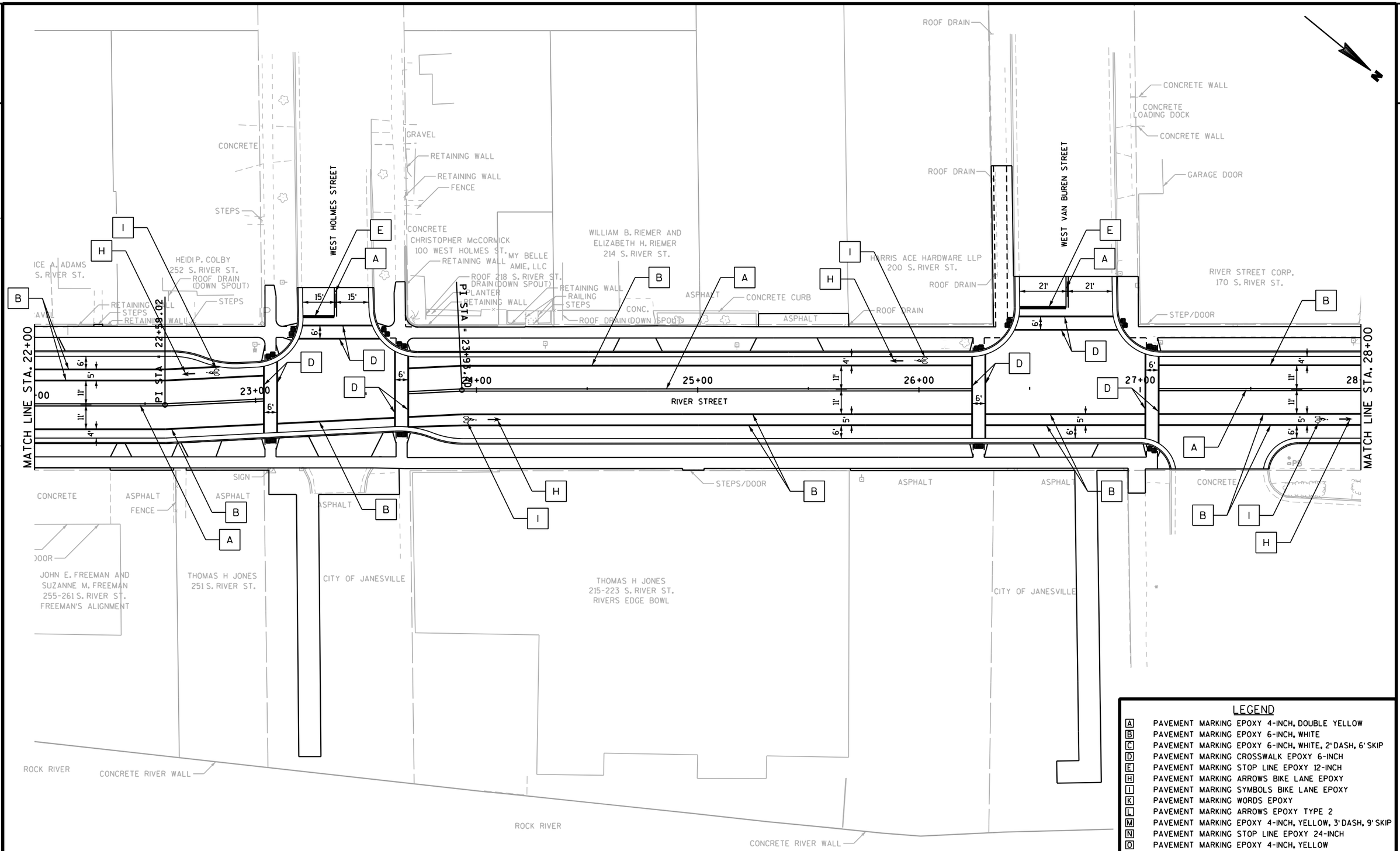
A	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 6-INCH, WHITE
C	PAVEMENT MARKING EPOXY 6-INCH, WHITE, 2' DASH, 6' SKIP
D	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E	PAVEMENT MARKING STOP LINE EPOXY 12-INCH
H	PAVEMENT MARKING ARROWS BIKE LANE EPOXY
I	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
K	PAVEMENT MARKING WORDS EPOXY
L	PAVEMENT MARKING ARROWS EPOXY TYPE 2
M	PAVEMENT MARKING EPOXY 4-INCH, YELLOW, 3' DASH, 9' SKIP
N	PAVEMENT MARKING STOP LINE EPOXY 24-INCH
O	PAVEMENT MARKING EPOXY 4-INCH, YELLOW
P	PAVEMENT MARKING EPOXY 8-INCH, WHITE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 68	E

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

PM 02.dgn 10/30/2012 3:32:59 PM jdolens

2



LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 6-INCH, WHITE
C	PAVEMENT MARKING EPOXY 6-INCH, WHITE, 2' DASH, 6' SKIP
D	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E	PAVEMENT MARKING STOP LINE EPOXY 12-INCH
H	PAVEMENT MARKING ARROWS BIKE LANE EPOXY
I	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
K	PAVEMENT MARKING WORDS EPOXY
L	PAVEMENT MARKING ARROWS EPOXY TYPE 2
M	PAVEMENT MARKING EPOXY 4-INCH, YELLOW, 3' DASH, 9' SKIP
N	PAVEMENT MARKING STOP LINE EPOXY 24-INCH
O	PAVEMENT MARKING EPOXY 4-INCH, YELLOW
P	PAVEMENT MARKING EPOXY 8-INCH, WHITE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 69	E

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

WISDOT/CADDS SHEET 42

PM 03.dgn 10/30/2012 3:33:01 PM jdolens

2

ASPHALT
McKINLEY STREET
GARAGE DOOR/LOADING DOCK
RETAINING WALL
ASPHALT
BBH PARTNERSHIP
158 S. RIVER ST.
BBH PARTNERSHIP
122 RIVER ST.
WEST COURT STREET
GUARD POST
GRAVEL
ASPHALT
WOOD GARAGE DOOR
STEP/DOOR
ASPHALT
DOOR
8" ROOF DRAIN
STEPS
ASPHALT
BBH PARTNERSHIP
103 W. COURT ST.
FOUNDATION WALL
EXISTING PAVEMENT MARKINGS TO REMAIN
MATCH INTO EXISTING PAVEMENT MARKINGS
MATCH LINE STA. 28+00
RIVER STREET
PC STA = 29+56.30
PT STA = 30+35.49
28+00
29+00
30+00
31+00
32+00
33+00
33+78.10
100'
21'
21'
6'
4'
11'
11'
5'
6'
PB
LANDSCAPING
PEDESTAL
CONCRETE
CONCRETE
CONCRETE
CONCRETE
CITY OF JANESVILLE
123 RIVER ST.
JANESVILLE TRANSIT TRANSFER STATION
GRAVEL
CLOCK
GRAVEL
GRAVEL
EXISTING PAVEMENT MARKINGS TO REMAIN
MATCH INTO EXISTING PAVEMENT MARKINGS
EXISTING PAVEMENT MARKINGS TO REMAIN
CITY OF JANES...
BRIDGE RAILING
FENCE
ROCK RIVER
CONCRETE RIVER WALL
ROCK RIVER
FENCE

LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
B	PAVEMENT MARKING EPOXY 6-INCH, WHITE
C	PAVEMENT MARKING EPOXY 6-INCH, WHITE, 2' DASH, 6' SKIP
D	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E	PAVEMENT MARKING STOP LINE EPOXY 12-INCH
H	PAVEMENT MARKING ARROWS BIKE LANE EPOXY
I	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
K	PAVEMENT MARKING WORDS EPOXY
L	PAVEMENT MARKING ARROWS EPOXY TYPE 2
M	PAVEMENT MARKING EPOXY 4-INCH, YELLOW, 3' DASH, 9' SKIP
N	PAVEMENT MARKING STOP LINE EPOXY 24-INCH
O	PAVEMENT MARKING EPOXY 4-INCH, YELLOW
P	PAVEMENT MARKING EPOXY 8-INCH, WHITE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 70	E

2

LEGEND

- WORK AREA
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- CMB — PORTABLE CHANGEABLE MESSAGE SIGN

NOTE: ALL "W" SERIES SIGNS ARE 48"x48" UNLESS OTHERWISE INDICATED.

ROAD CLOSED AHEAD W20-3
RIVER ST. 36"x12" TRAFFIC CONTROL SIGN FIXED MESSAGE 3 sf

ROAD CLOSED 500 FT W20-3

ROAD WORK AHEAD W20-1

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

ROAD CLOSED AHEAD W20-3

RIVER ST. 36"x12" TRAFFIC CONTROL SIGN FIXED MESSAGE 3 sf

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

SIDEWALK CLOSED R9-9 24" X 12"

ACCESS TO LOCAL BUSINESSES R10-71L 72" X 36"

ACCESS TO LOCAL BUSINESSES R10-71R 72" X 36"

ACCESS TO LOCAL BUSINESSES R10-71 66" X 36"

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED 250 FT W20-3

R3-1 24" X 24"

R3-5A 42" X 48" ONLY

EXCEPT BUSES 42"x12" TRAFFIC CONTROL SIGN FIXED MESSAGE 3.5sf

COVER EXISTING OVERHEAD SIGN WITH

S. JACKSON ST.
S. FRANKLIN ST.
RIVER ST.
S. MAIN ST.
KIWANIS BIKE TRAIL
ROCK RIVER
UNION ST.
ROCK ST.
W. HOLMES ST.
W. VAN BUREN ST.
McKINLEY ST.
W. COURT ST.
DODGE ST.
W. RACINE ST.
E. RACINE ST.
RACINE CT.
E. VAN BUREN ST.
ST. LAWRENCE AVE.
E. COURT ST.
S. WATER ST.

500' CMB 250' 250' 250' 250' 500'

PROVIDE ACCESS TO BANK DRIVETHRU LANES
PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS RIVER STREET
PROVIDE ACCESS TO BUSINESSES
PROVIDE TRUCK ACCESS TO PRINTING COMPANY
PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS RIVER STREET
PROVIDE 12' ACCESS ROUTE BETWEEN WEST COURT STREET AND WEST VAN BUREN STREET
JANESVILLE TRANSIT SYSTEM TRANSFER CENTER
PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS RIVER STREET

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRAFFIC CONTROL OVERVIEW	SHEET E

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

WISDOT/CADDS SHEET 42

Traffic Control Overview.dgn 10/30/2012 3:33:04 PM jdolens

PAVEMENT REMOVAL
STORM SEWER

2

2

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

MCKINLEY STREET

BROWN AND
GREEN ROUTES

PROVIDE TEMPORARY CROSSWALK
ACCESS ACROSS MCKINLEY STREET AND
ACROSS RIVER STREET AT MCKINLEY

W01-7
48" X 24"

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

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

W. COURT STREET

LEGEND

- WORK AREA
- CONCRETE PAVEMENT GAP
- PAVEMENT RAMP 10% MAX SLOPE
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DRUM WITH/WITHOUT WARNING LIGHT TYPE C
- SAFETY FENCE

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 RIVER ST.

BBH PARTNERSHIP
103 W. COURT ST.

RIVER STREET CORP.
170 S. RIVER ST.

RIVER STREET

MAINTAIN 12' WIDE ACCESS TO VAN BUREN STREET
FOR DELIVERIES AND GARBAGE COLLECTION

CITY-BUS
ASHTO 200# H20

ROAD
CLOSED
R11-2
48" X 30"

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

ROCK RIVER

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRANSIT TRANSFER CENTER ENTRANCE - STAGE 1	SHEET	E

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

WISDOT/CADDS SHEET 42

Transit Transfer Center Exhibit - Stage 1.dgn 10/30/2012 3:33:06 PM jdolens

PAVEMENT REMOVAL
STORM SEWER

2

2

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

MCKINLEY STREET

BROWN AND GREEN ROUTES

CITY-BUS
ASHTO 200# 0S

PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS MCKINLEY STREET AND ACROSS RIVER STREET AT MCKINLEY

NOTE: STAGE McKINLEY STREET PAVEMENT REMOVAL AND STORM SEWER CONSTRUCTION TO MAINTAIN ACCESS FOR BUSES (12' MIN. WIDTH)

LEGEND

- WORK AREA
- CONCRETE PAVEMENT GAP
- PAVEMENT RAMP 10% MAX SLOPE
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DRUM WITH/WITHOUT WARNING LIGHT TYPE C
- SAFETY FENCE

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 RIVER ST.

BBH PARTNERSHIP
103 W. COURT ST.

W. COURT STREET

RIVER STREET CORP.
170 S. RIVER ST.

RIVER STREET

MAINTAIN 12' WIDE ACCESS TO VAN BUREN STREET FOR DELIVERIES AND GARBAGE COLLECTION

PB

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

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

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

ALL OTHER ROUTES

REMOVE REMAINING PAVEMENT DURING BUS SERVICE GAPS

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

ROCK RIVER

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRANSIT TRANSFER CENTER ENTRANCE - STAGE 2	SHEET	E

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

Transit Transfer Center Exhibit - Stage 2.dgn 10/30/2012 3:33:08 PM jdolens

PAVING

2

2

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

MCKINLEY STREET

BROWN AND GREEN ROUTES

CITY-BUS
ASHTO 200K YR5

PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS MCKINLEY STREET AND ACROSS RIVER STREET AT MCKINLEY

W01-7
48" X 24"

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

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 RIVER ST.

BBH PARTNERSHIP
103 W. COURT ST.

W. COURT STREET

RIVER STREET CORP.
170 S. RIVER ST.

RIVER STREET

MAINTAIN 12' WIDE ACCESS TO VAN BUREN STREET FOR DELIVERIES AND GARBAGE COLLECTION

STAGE 3 PAVING AREA

CONCRETE PAVEMENT GAP

ALL OTHER ROUTES

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

ROAD CLOSED
R11-2
48" X 30"

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

ROCK RIVER

LEGEND

- WORK AREA
- CONCRETE PAVEMENT GAP
- PAVEMENT RAMP 10% MAX SLOPE
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DRUM WITH/WITHOUT WARNING LIGHT TYPE C
- SAFETY FENCE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRANSIT TRANSFER CENTER ENTRANCE - STAGE 3	SHEET	E

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

WISDOT/CADDS SHEET 42

Transit Transfer Center Exhibit - Stage 3.dgn 10/30/2012 3:33:09 PM jdolens

PAVING

2

2

LEGEND

- WORK AREA
- CONCRETE PAVEMENT GAP
- PAVEMENT RAMP 10% MAX SLOPE
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DRUM WITH/WITHOUT WARNING LIGHT TYPE C
- SAFETY FENCE

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

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

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

PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS MCKINLEY STREET AND ACROSS RIVER STREET AT MCKINLEY

MCKINLEY STREET

BROWN AND GREEN ROUTES

CITY-BUS
ASPHO 200# GS1

W01-6
48" X 24"

W01-6
48" X 24"

BBH PARTNERSHIP
158 S. RIVER ST.

BBH PARTNERSHIP
122 RIVER ST.

BBH PARTNERSHIP
103 W. COURT ST.

W. COURT STREET

STAGE 4 PAVING AREA

CONCRETE PAVEMENT GAP

RIVER STREET CORP.
170 S. RIVER ST.

RIVER STREET

NEW PAVEMENT

ALL OTHER ROUTES

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

ROCK RIVER

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRANSIT TRANSFER CENTER ENTRANCE - STAGE 4	SHEET	E

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

WISDOT/CADDS SHEET 42

Transit Transfer Center Exhibit - Stage 4.dgn 10/30/2012 3:33:11 PM jdolens

PAVING

2

2

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

McKINLEY STREET

BROWN AND GREEN ROUTES

CITY-BUS
AASHTO 2004 (US)

PROVIDE TEMPORARY CROSSWALK ACCESS ACROSS MCKINLEY STREET AND ACROSS RIVER STREET AT MCKINLEY

BBH PARTNERSHIP
158 S. RIVER ST.

RIVER STREET CORP.
170 S. RIVER ST.

NOTE: STAGE McKINLEY STREET PAVING OPERATIONS TO MAINTAIN ACCESS FOR BUSES (12' MIN. WIDTH).

BBH PARTNERSHIP
122 RIVER ST.

BBH PARTNERSHIP
103 W. COURT ST.

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

W. COURT STREET

STAGE 5 PAVING AREA

NEW PAVEMENT

STAGE 5
PAVING AREA

RIVER STREET

NEW PAVEMENT

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

NOTE: STAGE TRANSIT SYSTEM CENTER ENTRANCE PAVING OPERATIONS TO MAINTAIN ACCESS FOR BUSES (12' MIN. WIDTH). WEEKEND WORK MAY BE REQUIRED TO PERFORM PAVING OPERATIONS.

ALL OTHER ROUTES

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

ROCK RIVER

LEGEND

- WORK AREA
- CONCRETE PAVEMENT GAP
- PAVEMENT RAMP 10% MAX SLOPE
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DRUM WITH/WITHOUT WARNING LIGHT TYPE C
- SAFETY FENCE

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	TRANSIT TRANSFER CENTER ENTRANCE - STAGE 5	SHEET	E

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

Transit Transfer Center Exhibit - Stage 5.dgn 10/30/2012 3:33:12 PM jdolens

2

2

LEGEND

WORK AREA

POST MOUNTED SIGN

TYPE III BARRICADE WITH/WITHOUT SIGN

DETOUR ROUTE

S. JACKSON ST.

S. JACKSON ST.

S. JACKSON ST.

S. FRANKLIN ST.

S. FRANKLIN ST.

DETOUR
M04-9a
30" X 24"

DETOUR
M04-9a (MOD.)
30" X 24"
M05-1L
21" X 21"

DETOUR
M04-9a
30" X 24"
BIKE ROUTE
(TO REMAIN)

DETOUR
M04-9a
30" X 24"

DETOUR
M04-9a (MOD.)
30" X 24"
M5-1R
21" X 21"

DETOUR
M04-9a
30" X 24"

DETOUR
M04-9a
30" X 24"

W. RACINE ST.

UNION ST.

ROCK ST.

W. HOLMES ST.

W. VAN BUREN ST.

McKINLEY ST.

W. COURT ST.

DODGE ST.

RIVER ST.

RIVER ST.

KIWANIS BIKE TRAIL

KIWANIS BIKE TRAIL

MAINTAIN BIKE/PEDESTRIAN CROSSING
DURING CONSTRUCTION

JANESVILLE TRANSIT SYSTEM
TRANSFER CENTER

KIWANIS BIKE TRAIL

R9-9 (MOD.)
30" X 18"
BIKE PATH
CLOSED
TYPE III BARRICADE

BIKE ROUTE
COVER WITH SIGN

ROCK RIVER

ROCK RIVER

M05-1L
21" X 21"

DETOUR
M04-9a
30" X 24"

DETOUR
M04-9a
30" X 24"

E. RACINE ST.

RACINE CT.

S. WATER ST.

E. VAN BUREN ST.

ST. LAWRENCE AVE.

E. COURT ST.

S. MAIN ST.

S. MAIN ST.

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	BIKE ROUTE DETOUR	SHEET E

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

Bike Detour Plan.dgn 10/30/2012 3:33:14 PM jdolens

2

SCHOOL DISTRICT JANESVILLE
527 S. FRANKLIN STREET
VOCATIONAL SCHOOL

WEST RACINE STREET

RAILING
RETAINING WALL
RAILING
STEPS
RAILING
RETAINING WALL
STEPS
RAILING
RETAINING WALL

ASPHALT
CB
SIGN
12" PVC
MH
GUY
12" TILE
48"
16"
12" RCP
15" TILE
ASPHALT OVERLAY
27"
36"

RIVER STREET

CENTER SANITARY
SEWER MANHOLE
MH

SIGN POST
IP
IRON PIPE
N = 266,560.60
E = 494,404.63
ELEV = 769.27

56.35'
33.68'
26.44'

CP #1
RR SPIKE
N = 266,560.56
E = 494,431.07
ELEV = 769.66

GUARD POST

CITY OF JANESVILLE
501 S. RIVER ST.

12" CONC.

2

UNION STREET

AGEMENT LLC
RIVER ST.

SARA POPIK
103 UNION ST.

RICHARD D. DONAHUE
AND MARY M. DONAHUE
102 UNION ST.

SCOTT G. PORTER
314 S. RIVER ST.

STEPS
SHED
FENCE
ROOF DRAIN (DO
STEP
STEPS
CONCRETE
CANOPY
STEP
CONC., GRASS
RETAINING WALL FENCE

12" TILE
8"
6"
15" TILE
27"
12"

RIVER STREET

SIGN POST
53.96'
37.23'
TOP NUT FIRE
HYDRANT

CP #2
RR SPIKE
N = 267,016.30
E = 494,105.86
ELEV = 767.58

45.00'

ASPHALT
CB
BENCH
CITY OF JANESVILLE
303 S. RIVER ST.
CENTER STORM
SEWER MANHOLE
MH
12" RCP
10" PVC
CONCRETE RIVER WALL
ROCK RIVER

300 S. RIVER ST.
JANESVILLE PRINTING

ROCK STREET

STEPS
JOSEPH R. SHELDON
102 ROCK ST.
STEPS
RAILING

MAURICE A. ADAMS
266 S. RIVER ST.

ASPHALT
STEPS
GRAVEL
12" TILE
6"

CENTER SANITARY
SEWER MANHOLE
MH

RIVER STREET

50.22'

CP #3
RR SPIKE
N = 267,282.34
E = 493,900.94
ELEV = 767.43

97.98'
71.33'

GARAGE DOOR
BUILDING CORNER
GARAGE DOOR
GARAGE DOOR
GARAGE DOO
GARAGE

SIGN
ASPHALT

CENTER STORM
SEWER INLET
INL
12" CONC.

CITY OF JANESVILLE
275 S. RIVER ST.

RUSSEL G. OLVER AND
MICHAEL J. OLVER
265 S. RIVER ST.
AUTO MAGIC

ASPHALT

STEPS
FENCE
CONCRETE
CHRISTOPHER McCORMICK
100 WEST HOLMES ST.
RETAINING WALL
MY BELLE
AMIE, LLC
WILLIAM B. RIEMER AND
ELIZABETH H. RIEMER
214 S. RIVER ST.

WEST HOLMES STREET

MAURICE A. ADAMS
254 S. RIVER ST.

HEIDI P. COLBY
252 S. RIVER ST.
ROOF DRAIN
(DOWN SPOUT)

ROOF 218 S. RIVER ST.
DRAIN (DOWN SPOUT)
PLANTER
RETAINING WALL
RAILING
STEPS
RETAINING WALL
CONC.
ROOF DRAIN (DOWN SPOUT)
RETAINING WALL

RETAINING WALL
STEPS
RETAINING WALL
GRAVEL
12" TILE&PVC

30" BOX

RIVER STREET

MH
CENTER STORM
SEWER MANHOLE

SIGN POLE
25.15'
7.34'
14.27'
POWER POLE

SIGN
CP #4
PK NAIL
N = 267,509.41
E = 493,699.48
ELEV = 768.98

CONCRETE
ASPHALT
FENCE

JOHN E. FREEMAN AND
SUZANNE M. FREEMAN
255-261 S. RIVER ST.

THOMAS H JONES
251 S. RIVER ST.

CITY OF JANESVILLE

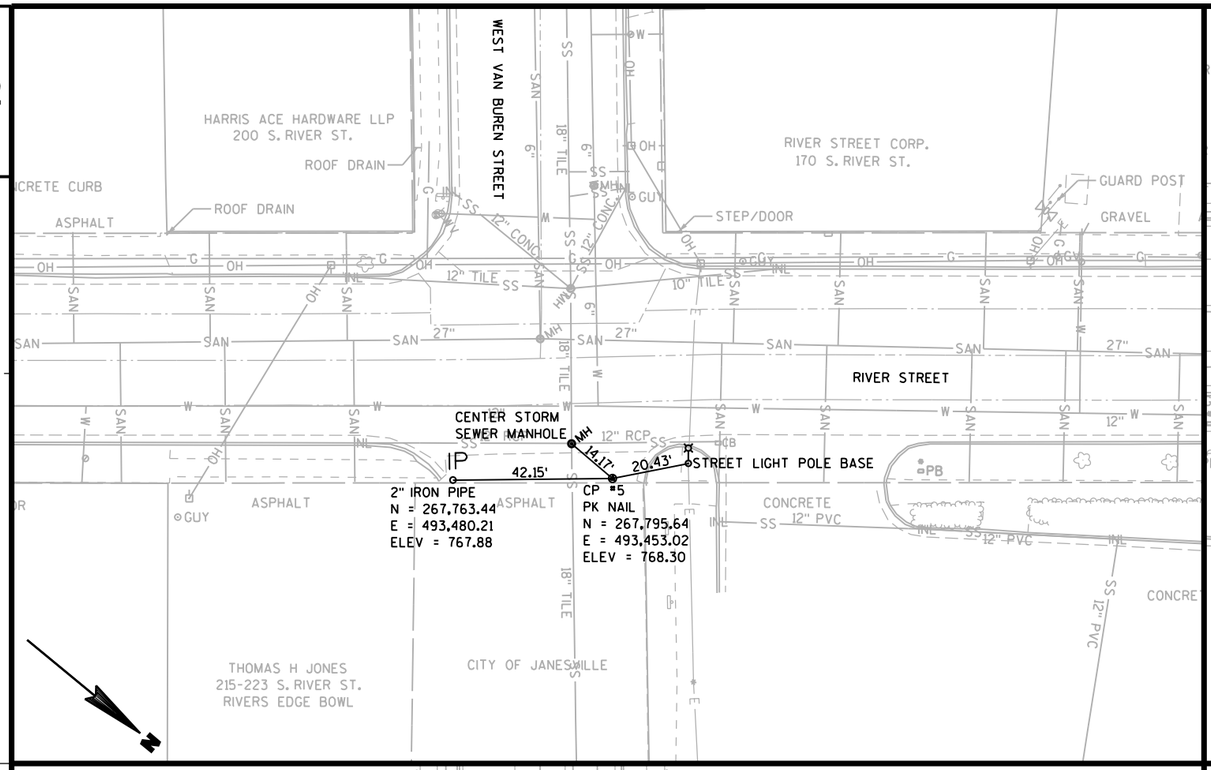
THOMAS H JONES
215-223 S. RIVER ST.
RIVERS EDGE BOWL

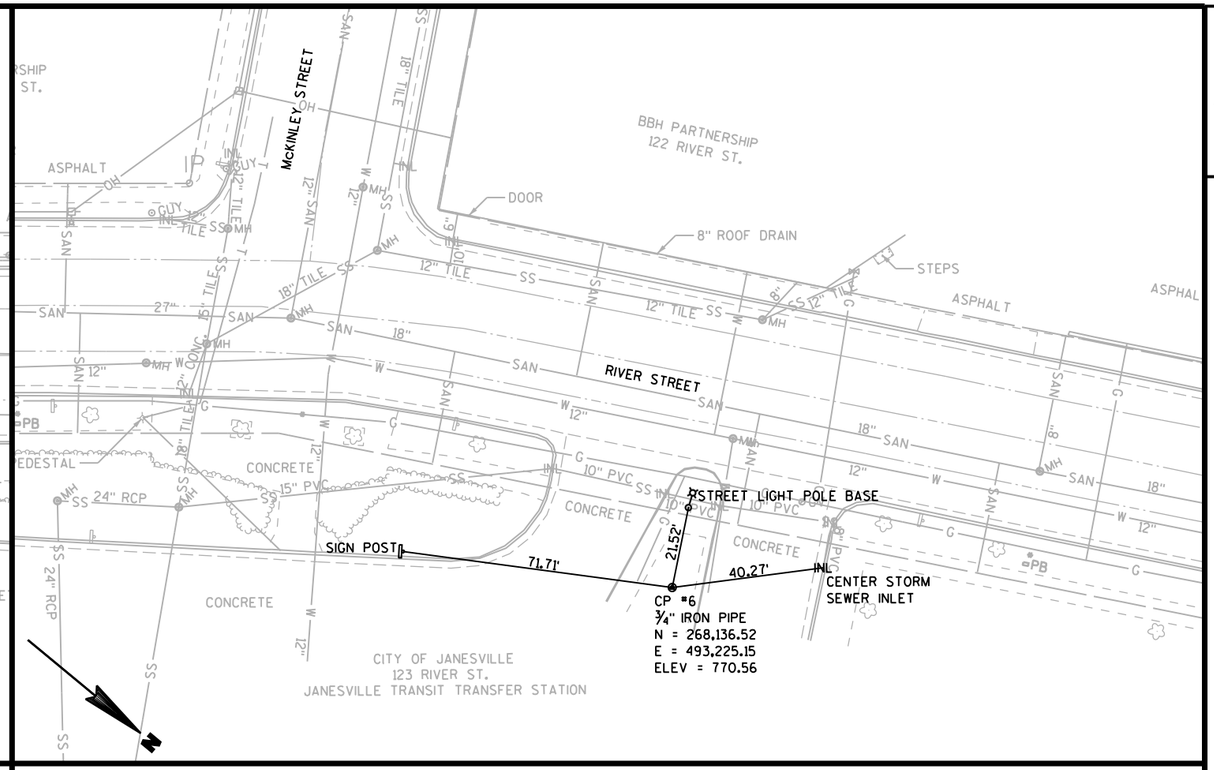
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONTROL POINT TIES	SHEET 78	E

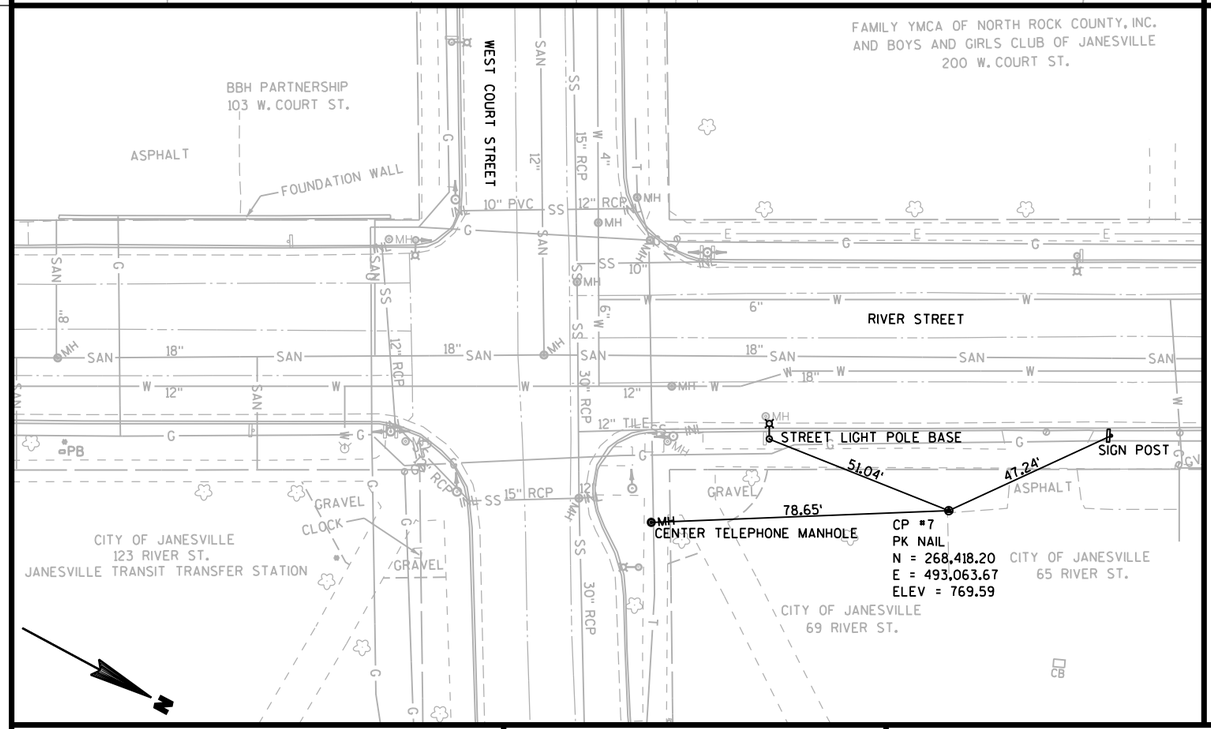
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CP 01.dgn 10/30/2012 3:33:15 PM jdolens

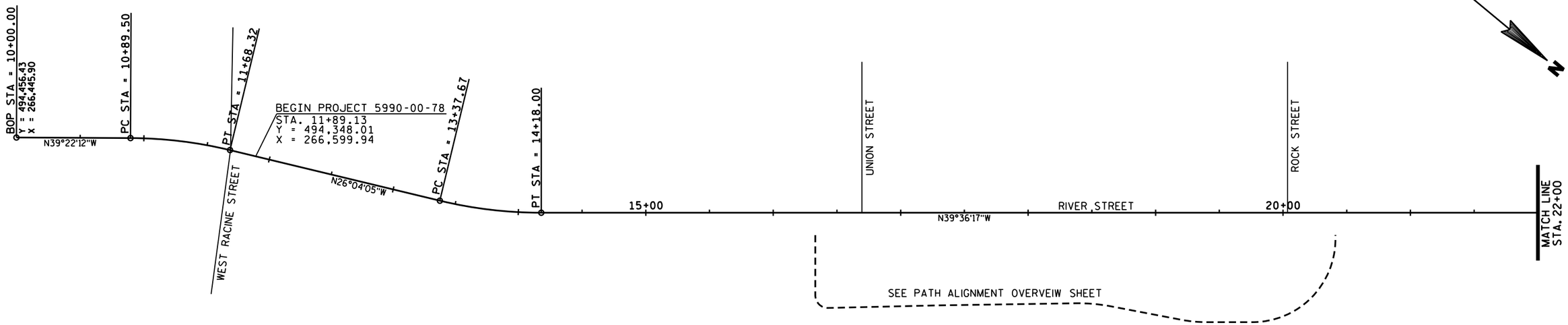
2





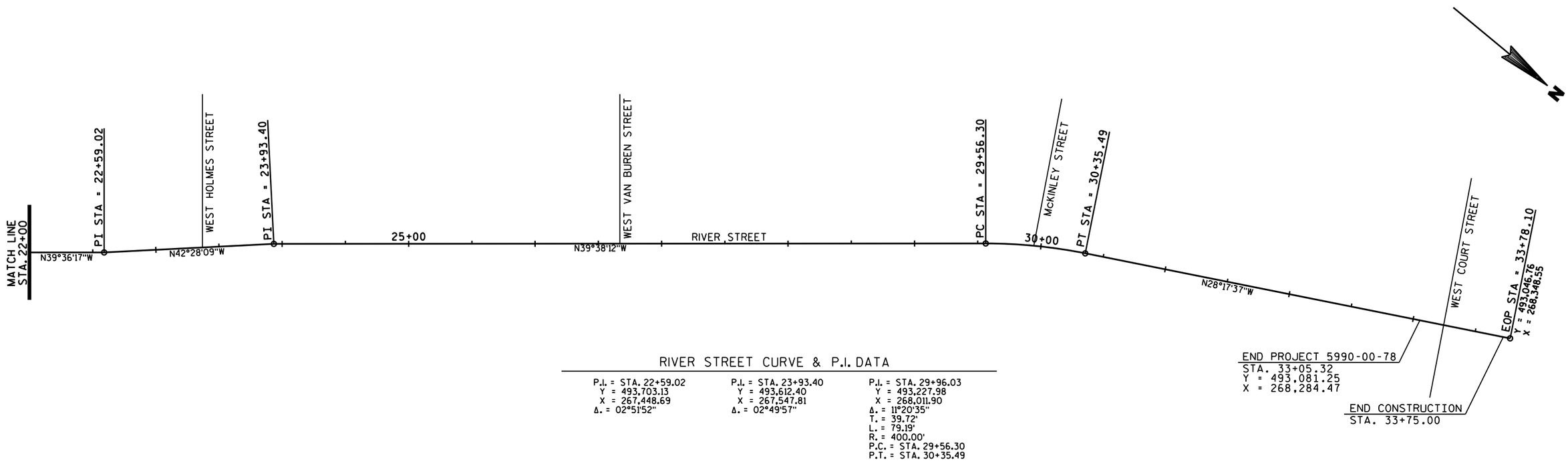


PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CONTROL POINT TIES	SHEET 79	E



RIVER STREET CURVE & P.I. DATA

P.I. = STA. 11+29.09	P.I. = STA. 13+78.02
Y = 494,374.55	Y = 494,265.00
X = 266,545.69	X = 266,769.62
Δ. = 13°18'07"	Δ. = 13°32'12"
T. = 39.59'	T. = 40.35'
L. = 78.82'	L. = 80.33'
R. = 339.50'	R. = 340.00'
P.C. = STA. 10+89.50	P.C. = STA. 13+37.67
P.T. = STA. 11+68.32	P.T. = STA. 14+18.00

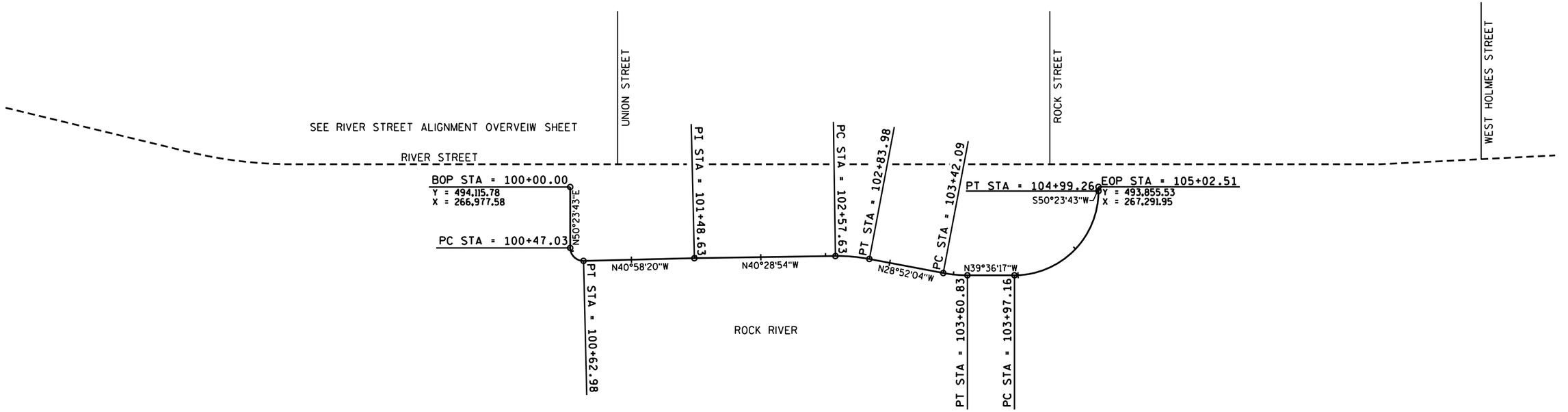


RIVER STREET CURVE & P.I. DATA

P.I. = STA. 22+59.02	P.I. = STA. 23+93.40	P.I. = STA. 29+96.03
Y = 493,703.13	Y = 493,612.40	Y = 493,227.98
X = 267,448.69	X = 267,547.81	X = 268,011.90
Δ. = 02°51'52"	Δ. = 02°49'57"	Δ. = 11°20'35"
		T. = 39.72'
		L. = 79.19'
		R. = 400.00'
		P.C. = STA. 29+56.30
		P.T. = STA. 30+35.49

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	ALIGNMENT OVERVIEW - RIVER STREET	SHEET 80 E

2



PATH CURVE & P.I. DATA

P.I. = STA. 100"R"+57.27
Y = 494,159.90
X = 267,014.09
Δ. = 89°35'37"
T. = 10.24'
L. = 15.95'
R. = 10.00'
P.C. = STA. 100"R"+47.03
P.T. = STA. 100"R"+62.98

P.I. = STA. 101"R"+48.63
Y = 494,097.02
X = 267,086.49
Δ. = 00°29'26"

P.I. = STA. 102"R"+70.85
Y = 494,017.68
X = 267,179.46
Δ. = 11°36'50"
T. = 13.22'
L. = 26.35'
R. = 130.00'
P.C. = STA. 102"R"+57.63
P.T. = STA. 102"R"+83.98

P.I. = STA. 103"R"+51.48
Y = 493,978.71
X = 267,250.15
Δ. = 10°44'13"
T. = 9.40'
L. = 18.74'
R. = 100.00'
P.C. = STA. 103"R"+42.09
P.T. = STA. 103"R"+60.83

P.I. = STA. 104"R"+62.16
Y = 493,908.12
X = 267,335.46
Δ. = 90°00'00"
T. = 65.00'
L. = 102.10'
R. = 65.00'
P.C. = STA. 103"R"+97.16
P.T. = STA. 104"R"+99.26

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	ALIGNMENT OVERVIEW - PATH	SHEET 81	E

SOIL BORING LOGS LEGEND

DESCRIPTIVE TERM, GRANULAR SOIL (% BY DRY WEIGHT)

Trace	0% - 5%
Little	5% - 12%
Some	12% - 35%
And	35% - 50%

Q_P = Estimated Unconfined Compressive Strength (by pocket penetrometer) expressed in tons per square foot (t/sf).

Q_U = Estimated Unconfined Compressive Strength (by ASTM 2166) expressed in tons per square foot (t/sf).

NM = Natural Moisture

M = MOISTURE

D = Dry
M = Moist
S = Saturated
F = Frozen
W = Wet

LOI = Loss of Ignition (Organic Content)

N (Standard Blow Count) = blows per foot, as shown. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586).

NR = No Recovery

WOH = Weight of Hammer

= Sample Number

SOIL CLASSIFICATION

F = Fine
M = Medium
C = Coarse
W.L. = Water Level

LL = Liquid Limit, percent
PL = Plastic Limit, percent
PI = Plasticity Index (LL-PL)

SOIL STRENGTH CHARACTERISTICS

CONSISTENCY (Cohesive Soils)

Term	Q_u tons/sq.ft.
Very Soft	0.0 to 0.25
Soft	0.25 to 0.50
Firm	0.50 to 1.0
Stiff	1.0 to 2.0
Very Stiff	2.0 to 4.0
Hard	Over 4.0

RELATIVE DENSITY (Granular Soils)

Term	"N" Value
Very Loose	0 - 4
Loose	4 - 10
Medium-Dense	10 - 30
Dense	30 - 50
Very Dense	Over 50

NTS 763.29

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 1
Station: 12+37
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 769.10

Depth (feet)		Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	-	3.0" of Asphalt Pavement							
	-	5.0" of Concrete Pavement							
	-	8.0" of Light Brown Silty Poorly-Graded Fine to							
1	-	Coarse Sand, Little to Some Gravel (CABC)							
	-								
	-	Brown Sandy Clay, Some Gravel (FILL)							
	-	(CL, A-6)							
2	-	---------2.0'---------							
	-								
	-								
	-	Tan Silty Fine to Coarse Sand & Gravel							
3	-	(PROBABLE FILL)	1	1.0 - 3.0	40	16	F/M		
	-	(SM, A-2-4)							
	-								
	-								
4	-								
	-								
	-								
	-								
5	-	----------End of Boring @ 5.0'----------	2	3.0 - 5.0	38	18	M		
	-	----------Dry @ Completion----------							
	-	---Bore Hole Filled w/ Auger Cuttings---							
	-								
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11	-								
	-								
	-								
12	-								

Nummelin Testing Services, Inc. **NTS #** 763.29

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 2
Station: 14+67
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 768.38

Depth (feet)		Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	-	9.0" of Concrete Pavement							
	-								
	-	5.0" of Light Brown Silty Poorly-Graded Fine to							
1	-	Coarse Sand, Little Gravel (CABC)							
	-								
	-	Dark Brown to Gray Lean Clay, Little Gravel							
	-	(FILL)							
2	-	(CL, A-6)							
	-	---------2.3'---------							
	-	Brown Silty Fine Sand (PROBABLE FILL)							
	-	(SM, A-2-4)							
3	-	---------3.0'---------	1	1.0 - 3.0	99	20	F/M		
	-								
	-								
	-	Tan Fine to Medium Sand, Some Gravel,							
4	-	Trace Silt							
	-	(SP, A-2)							
	-								
	-								
5	-	----------End of Boring @ 5.0'----------	2	3.0 - 5.0	30	14	M		
	-	----------Dry @ Completion----------							
	-	---Bore Hole Filled w/ Auger Cuttings---							
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	-								
11	-								
	-								
	-								
12	-								

Nummelin Testing Services, Inc. **NTS #** 763.29

SEE PLAN AND PROFILE SHEETS FOR SOIL BORING LOCATIONS

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 3
Station: 17+36
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 767.57

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	7.0" of Concrete Pavement							
1	5.0" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Little Gravel (CABC)							
2	Dark Brown to Black Lean Clay, Little Gravel (FILL) (CL, A-6)							
3	---------3.3'---------	1	1.0 - 3.0	24	16	F/M		
4	Tan Silty Fine Sand, Some Gravel (POSSIBLE FILL) (SM, A-2-4)							
5	----------End of Boring @ 5.0'---------- ----------Dry @ Completion---------- ---Bore Hole Filled w/ Auger Cuttings---	2	3.0 - 5.0	39	16	M		
6								
7								
8								
9								
10								
11								
12								

Nummelin Testing Services, Inc. NTS # 763.29

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 4
Station: 20+36
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 767.41

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	7.0" of Concrete Pavement							
1	7.0" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Trace to Little Gravel (CABC)							
2	Dark Brown to Black Lean Clay, Trace Gravel And Black Clayey Sand, Glass, & Cinders (FILL) (CL, A-6 , SC, A-2-6)							
3	---------3.0'--------- Dark Brown Lean Clay, Some Gravel (PROBABLE FILL) (CL, A-6)	1	1.0 - 3.0	14	18	F/M		
4	---------4.5'--------- Tan Silty Fine to Medium Sand, Some Gravel (SM, A-2-4)							
5	----------End of Boring @ 5.0'---------- ----------Dry @ Completion---------- ---Bore Hole Filled w/ Auger Cuttings---	2	3.0 - 5.0	18	20	M		
6								
7								
8								
9								
10								
11								
12								

Nummelin Testing Services, Inc. NTS # 763.29

SEE PLAN AND PROFILE SHEETS FOR SOIL BORING LOCATIONS

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 5
Station: 22+69
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 768.50

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	8.0" of Concrete Pavement							
	8.0" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Some Gravel (CABC)							
1								
	Dark Brown Lean Clay, Some Gravel (FILL) (CL, A-6)							
2								
3	----------3.0'----------	1	1.0 - 3.0	31	24	F/M		
	Tan to Brown Silty Fine to Coarse Sand, Little to Some Gravel (POSSIBLE FILL) (SM, A-2-4)							
4								
5	----------End of Boring @ 5.0'---------- ----------Dry @ Completion---------- ---Bore Hole Filled w/ Auger Cuttings---	2	3.0 - 5.0	24	16	M		
6								
7								
8								
9								
10								
11								
12								

Nummelin Testing Services, Inc. NTS # 763.29

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 6
Station: 25+89
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 768.05

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	8.5" of Concrete Pavement							
	5.5" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Trace Gravel (CABC)							
1								
	Dark Brown Lean Clay, Sand, Trace Gravel (FILL) (CL, A-6)							
2								
3	----------3.0'----------	1	1.0 - 3.0	16	24	F/M		
	Tan Poorly-Graded Fine to Coarse Sand, Some Gravel, Trace Silt (SP, A-2-4)							
4								
5	----------End of Boring @ 5.0'---------- ----------Dry @ Completion---------- ---Bore Hole Filled w/ Auger Cuttings---	2	3.0 - 5.0	32	18	M		
6								
7								
8								
9								
10								
11								
12								

Nummelin Testing Services, Inc. NTS # 763.29

SEE PLAN AND PROFILE SHEETS FOR SOIL BORING LOCATIONS

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 7
Station: 29+49
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
4' West, 6' North of As Staked - See Site Plan

Date: 02-15-11
Elevation: 768.58

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	7.0" of Concrete Pavement							
	7.0" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Trace Gravel (CABC)							
1	Black/Dark Brown Silty Fine Sand, Some Gravel (FILL) (SM, A-2-4)							
	----------1.5'----------							
2								
	Brown Lean Clay, Trace Gravel (POSSIBLE FILL)							
3	(CL, A-6)	1	1.0 - 3.0	22	24	F/M		
4	----------4.3'----------							
	Tan to Brown Silty Poorly-Graded Fine to Coarse Sand, Some Gravel (SM, A-2-4)							
5	----------End of Boring @ 5.0'----------	2	3.0 - 5.0	14	20	M		
	----------Dry @ Completion----------							
	---Bore Hole Filled w/ Auger Cuttings---							
6								
7								
8								
9								
10								
11								
12								

Nummelin Testing Services, Inc. NTS # 763.29

SOIL BORING LOG

Boring By: Nummelin Testing Services, Inc.

Boring: 8
Station: 32+24
Page: 1 of 1

Project: River Street Reconstruction
Location: City of Janesville, Rock County, WI
As Staked - See Site Plan

Date: 02-15-11
Elevation: 768.95

Depth (feet)	Classification/Description	#	Sample Depth(feet)	N	Rec (inches)	M	Qp (tsf)	Notes
	8.0" of Concrete Pavement							
	8.0" of Light Brown Silty Poorly-Graded Fine to Coarse Sand, Trace ot Little Gravel (CABC)							
1	Dark Brown/Gray Lean Clay, Trace Gravel (FILL) (CL, A-6)							
2	----------2.0'----------							
	Brown Silty Fine Sand, Trace Gravel (FILL)							
3	(SM, A-2-4)	1	1.0 - 3.0	17	16	F/W		
4	----------4.0'----------							
	Brown Silty Fine Sand (SM, A-2-4)							
5	----------End of Boring @ 5.0'----------	2	3.0 - 5.0	26	14	M		
	----------Dry @ Completion----------							
	---Bore Hole Filled w/ Auger Cuttings---							
6								
7								
8								
9								
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Nummelin Testing Services, Inc. NTS # 763.29

SEE PLAN AND PROFILE SHEETS FOR SOIL BORING LOCATIONS

DATE 14FEB13 — 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	5990-00-78 QUANTITY
0010	201.0120	CLEARING	ID	158.000	158.000
0020	201.0220	GRUBBING	ID	164.000	164.000
0030	204.0100	REMOVING PAVEMENT	SY	11,579.000	11,579.000
0040	204.0110	REMOVING ASPHALTIC SURFACE	SY	417.000	417.000
0050	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	514.000	514.000
0060	204.0150	REMOVING CURB & GUTTER	LF	64.000	64.000
0070	204.0155	REMOVING CONCRETE SIDEWALK	SY	2,554.000	2,554.000
0080	204.0195	REMOVING CONCRETE BASES	EACH	5.000	5.000
0090	204.0210	REMOVING MANHOLES	EACH	13.000	13.000
0100	204.0220	REMOVING INLETS	EACH	26.000	26.000
0110	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH OR LESS	LF	940.000	940.000
0120	204.0245	REMOVING STORM SEWER (SIZE) 02. 15 TO 18-INCH	LF	584.000	584.000
0130	204.0245	REMOVING STORM SEWER (SIZE) 03. 20 TO 27-INCH	LF	69.000	69.000
0140	204.0245	REMOVING STORM SEWER (SIZE) 04. 30 TO 36-INCH	LF	193.000	193.000
0150	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. LUMINAIRE AND MAST ARM	EACH	3.000	3.000
0160	204.9090.S	REMOVING (ITEM DESCRIPTION) 01. RETAINING WALL	LF	19.000	19.000
0170	205.0100	EXCAVATION COMMON *P*	CY	5,354.000	5,354.000
0180	213.0100	FINISHING ROADWAY (PROJECT) 01. 5990-00-78	EACH	1.000	1.000
0190	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	4,687.000	4,687.000
0200	312.0110	SELECT CRUSHED MATERIAL	TON	1,558.000	1,558.000
0210	415.0080	CONCRETE PAVEMENT 8-INCH	SY	9,467.000	9,467.000
0220	415.0210	CONCRETE PAVEMENT GAPS	EACH	5.000	5.000
0230	415.1080	CONCRETE PAVEMENT HES 8-INCH	SY	158.000	158.000
0240	416.0160	CONCRETE DRIVEWAY 6-INCH	SY	400.000	400.000
0250	416.0620	DRILLED DOWEL BARS	EACH	172.000	172.000
0260	416.1010	CONCRETE SURFACE DRAINS	CY	4.000	4.000
0270	455.0105	ASPHALTIC MATERIAL PG58-28	TON	3.000	3.000
0280	455.0605	TACK COAT	GAL	13.000	13.000
0290	460.1103	HMA PAVEMENT TYPE E-3	TON	59.000	59.000
0300	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	40.000	40.000
0310	465.0105	ASPHALTIC SURFACE	TON	117.000	117.000
0320	520.8000	CONCRETE COLLARS FOR PIPE	EACH	6.000	6.000
0330	601.0417	CONCRETE CURB & GUTTER 30-INCH TYPE K	LF	4,315.000	4,315.000
0340	601.0419	CONCRETE CURB & GUTTER 30-INCH TYPE L	LF	10.000	10.000
0350	601.0600	CONCRETE CURB PEDESTRIAN	LF	56.000	56.000
0360	602.0405	CONCRETE SIDEWALK 4-INCH	SF	13,435.000	13,435.000
0370	602.0415	CONCRETE SIDEWALK 6-INCH	SF	7,835.000	7,835.000
0380	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	SF	288.000	288.000
0390	602.1500	CONCRETE STEPS	SF	4.000	4.000
0400	606.0200	RIPRAP MEDIUM	CY	6.000	6.000
0410	607.0408	STORM SEWER PIPE COMPOSITE 8-INCH	LF	9.000	9.000
0420	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	1,393.000	1,393.000
0430	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	184.000	184.000
0440	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	330.000	330.000

3

DATE 14FEB13 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	5990-00-78 QUANTITY
0450	608.0324	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	146.000	146.000
0460	608.0330	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	203.000	203.000
0470	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	40.000	40.000
0480	611.0645	INLET COVERS TYPE MS-A	EACH	2.000	2.000
0490	611.2004	MANHOLES 4-FT DIAMETER	EACH	13.000	13.000
0500	611.2006	MANHOLES 6-FT DIAMETER	EACH	2.000	2.000
0510	611.3230	INLETS 2X3-FT	EACH	32.000	32.000
0520	611.3901	INLETS MEDIAN 1 GRATE	EACH	2.000	2.000
0530	611.8110	ADJUSTING MANHOLE COVERS	EACH	2.000	2.000
0540	611.8115	ADJUSTING INLET COVERS	EACH	7.000	7.000
0550	612.0902.S	INSULATION BOARD POLYSTYRENE (INCH) 01. 2-INCH	SY	104.400	104.400
0560	616.0700.S	FENCE SAFETY	LF	600.000	600.000
0570	619.1000	MOBILIZATION	EACH	1.000	1.000
0580	624.0100	WATER	MGAL	70.000	70.000
0590	625.0100	TOPSOIL	SY	5,667.000	5,667.000
0600	627.0200	MULCHING	SY	400.000	400.000
0610	628.1504	SILT FENCE	LF	1,650.000	1,650.000
0620	628.1520	SILT FENCE MAINTENANCE	LF	3,300.000	3,300.000
0630	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0640	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	4.000	4.000
0650	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	2,580.000	2,580.000
0660	628.7005	INLET PROTECTION TYPE A	EACH	4.000	4.000
0670	628.7010	INLET PROTECTION TYPE B	EACH	3.000	3.000
0680	628.7020	INLET PROTECTION TYPE D	EACH	77.000	77.000
0690	628.7560	TRACKING PADS	EACH	4.000	4.000
0700	629.0210	FERTILIZER TYPE B	CWT	3.570	3.570
0710	630.0140	SEEDING MIXTURE NO. 40	LB	24.000	24.000
0720	631.0300	SOD WATER	MGAL	159.000	159.000
0730	631.1000	SOD LAWN	SY	2,786.000	2,786.000
0740	632.0101	TREES (SPECIES, ROOT, SIZE) 01. MAPLE, SIENNA GLEN, B&B, 2-1/2 INCH CAL	EACH	7.000	7.000
0750	632.0101	TREES (SPECIES, ROOT, SIZE) 02. HORSE CHESTNUT, BAUMAN, B&B, 2-1/2 INCH CAL	EACH	6.000	6.000
0760	632.0101	TREES (SPECIES, ROOT, SIZE) 03. HACKBERRY, WINDY CITY, B&B, 2-1/2 INCH CAL	EACH	5.000	5.000
0770	632.0101	TREES (SPECIES, ROOT, SIZE) 04. GINKGO, PRINCETON SENTRY, B&B, 2-1/2 INCH CAL	EACH	7.000	7.000
0780	632.0101	TREES (SPECIES, ROOT, SIZE) 05. HONEYLOCUST, SKYLINE, B&B, 2 INCH CAL	EACH	5.000	5.000
0790	632.0101	TREES (SPECIES, ROOT, SIZE) 06. PLANETREE, MORTON CIRCLE EXCLAMATION, B&B, 2 INCH CAL	EACH	3.000	3.000
0800	632.0101	TREES (SPECIES, ROOT, SIZE) 07. OAK, REGAL PRINCE, B&B, 2 INCH CAL	EACH	5.000	5.000
0810	632.0101	TREES (SPECIES, ROOT, SIZE) 08. AMERICAN ELM, NEW HARMONY, B&B, 2 INCH CAL	EACH	5.000	5.000
0820	632.0101	TREES (SPECIES, ROOT, SIZE) 09. HOPHORNBEAM, EUROPEAN, B&B, 1-1/4 INCH CAL	EACH	7.000	7.000

3

DATE 14FEB13 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	5990-00-78 QUANTITY
0830	632.0101	TREES (SPECIES, ROOT, SIZE) 10. CRABAPPLE, PRAIRIE FIRE, CG, 6 FT HT	EACH	9.000	9.000
0840	632.0101	TREES (SPECIES, ROOT, SIZE) 11. CRABAPPLE, SUGAR TYME, CG, 6 FT HT	EACH	9.000	9.000
0850	632.0101	TREES (SPECIES, ROOT, SIZE) 12. JAPANESE TREE LILAC, IVORY SILK, CG, 6 FT HT	EACH	2.000	2.000
0860	632.9101	LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES	EACH	15.000	15.000
0870	634.0812	POSTS TUBULAR STEEL 2X2-INCH X 12-FT	EACH	1.000	1.000
0880	634.0814	POSTS TUBULAR STEEL 2X2-INCH X 14-FT	EACH	34.000	34.000
0890	634.0816	POSTS TUBULAR STEEL 2X2-INCH X 16-FT	EACH	9.000	9.000
0900	637.0202	SIGNS REFLECTIVE TYPE II	SF	215.000	215.000
0910	638.2102	MOVING SIGNS TYPE II	EACH	5.000	5.000
0920	638.2602	REMOVING SIGNS TYPE II	EACH	41.000	41.000
0930	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	21.000	21.000
0940	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0950	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5990-00-78	EACH	1.000	1.000
0960	643.0300	TRAFFIC CONTROL DRUMS	DAY	5,304.000	5,304.000
0970	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	9,690.000	9,690.000
0980	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	15,504.000	15,504.000
0990	643.0900	TRAFFIC CONTROL SIGNS	DAY	6,732.000	6,732.000
1000	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	2.000	2.000
1010	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	21.500	21.500
1020	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	30.000	30.000
1030	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 5990-00-78	EACH	1.000	1.000
1040	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	1,326.000	1,326.000
1050	645.0130	GEOTEXTILE FABRIC TYPE R	SY	38.000	38.000
1060	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	4,070.000	4,070.000
1070	646.0116	PAVEMENT MARKING EPOXY 6-INCH	LF	5,135.000	5,135.000
1080	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	5.000	5.000
1090	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	2.000	2.000
1100	647.0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	12.000	12.000
1110	647.0306	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY	EACH	12.000	12.000
1120	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	1.000	1.000
1130	647.0556	PAVEMENT MARKING STOP LINE EPOXY 12-INCH	LF	97.000	97.000
1140	647.0576	PAVEMENT MARKING STOP LINE EPOXY 24-INCH	LF	105.000	105.000
1150	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	1,600.000	1,600.000
1160	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	51.000	51.000
1170	650.5000	CONSTRUCTION STAKING BASE	LF	408.000	408.000
1180	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	10.000	10.000
1190	650.7000	CONSTRUCTION STAKING CONCRETE PAVEMENT	LF	2,116.000	2,116.000
1200	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5990-00-78	LS	1.000	1.000
1210	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5990-00-78	LS	1.000	1.000
1220	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	2,116.000	2,116.000
1230	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	1,710.000	1,710.000
1240	652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	28.000	28.000
1250	652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	480.000	480.000

3

DATE 14FEB13 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	5990-00-78 QUANTITY
1260	652.0335	CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	LF	53.000	53.000
1270	652.0340	CONDUIT RIGID NONMETALLIC SCHEDULE 80 4-INCH	LF	83.000	83.000
1280	652.0800	CONDUIT LOOP DETECTOR	LF	344.000	344.000
1290	653.0135	PULL BOXES STEEL 24X36-INCH	EACH	1.000	1.000
1300	653.0140	PULL BOXES STEEL 24X42-INCH	EACH	3.000	3.000
1310	653.0905	REMOVING PULL BOXES	EACH	2.000	2.000
1320	654.0101	CONCRETE BASES TYPE 1	EACH	2.000	2.000
1330	655.0210	CABLE TRAFFIC SIGNAL 3-14 AWG	LF	36.000	36.000
1340	655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	LF	38.000	38.000
1350	655.0270	CABLE TRAFFIC SIGNAL 15-14 AWG	LF	745.000	745.000
1360	655.0310	CABLE TYPE UF 2-12 AWG	LF	133.000	133.000
1370	655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	LF	1,083.000	1,083.000
1380	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	2,318.000	2,318.000
1390	655.0625	ELECTRICAL WIRE LIGHTING 6 AWG	LF	6,954.000	6,954.000
1400	655.0800	LOOP DETECTOR WIRE	LF	860.000	860.000
1410	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. STA. 23+60, 25. 5' RT.	LS	1.000	1.000
1420	690.0150	SAWING ASPHALT	LF	1,588.000	1,588.000
1430	690.0250	SAWING CONCRETE	LF	1,332.000	1,332.000
1440	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	2,890.000	2,890.000
1450	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5. 00/HR	HRS	350.000	350.000
1460	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	600.000	600.000
1470	SPV.0035	SPECIAL 01. ENGINEERED SOIL	CY	631.000	631.000
1480	SPV.0035	SPECIAL 02. RAIN GARDEN EXCAVATION	CY	100.000	100.000
1490	SPV.0045	SPECIAL 01. TEMPORARY CROSSWALK ACCESS	DAY	1,122.000	1,122.000
1500	SPV.0060	SPECIAL 01. BIG BLUESTEM, CG, 3" PLUG	EACH	1,120.000	1,120.000
1510	SPV.0060	SPECIAL 02. ANEMONE, CANADA, CG, 3" PLUG	EACH	225.000	225.000
1520	SPV.0060	SPECIAL 03. MILKWEED, MARSH, CG, 3" PLUG	EACH	225.000	225.000
1530	SPV.0060	SPECIAL 04. MILKWEED, BUTTERFLY, CG, 3" PLUG	EACH	225.000	225.000
1540	SPV.0060	SPECIAL 05. ASTER, NEW ENGLAND, CG, 3" PLUG	EACH	225.000	225.000
1550	SPV.0060	SPECIAL 06. ASTER, RED-STEMMED, CG, 3" PLUG	EACH	225.000	225.000
1560	SPV.0060	SPECIAL 07. RUSH, SCOURING, CG, 3" PLUG	EACH	225.000	225.000
1570	SPV.0060	SPECIAL 08. JOE PYE WEED, CG, 3" PLUG	EACH	225.000	225.000
1580	SPV.0060	SPECIAL 09. BONESET, CG, 3" PLUG	EACH	225.000	225.000
1590	SPV.0060	SPECIAL 10. SNEEZEWEED, CG, 3" PLUG	EACH	225.000	225.000
1600	SPV.0060	SPECIAL 11. BLAZINGSTAR, PRAIRIE, CG, 3" PLUG	EACH	225.000	225.000
1610	SPV.0060	SPECIAL 12. LOBELIA, BLUE, CG, 3" PLUG	EACH	225.000	225.000
1620	SPV.0060	SPECIAL 13. BEEBALM, CG, 3" PLUG	EACH	225.000	225.000
1630	SPV.0060	SPECIAL 14. SWITCHGRASS, CG, 3" PLUG	EACH	1,350.000	1,350.000
1640	SPV.0060	SPECIAL 15. OBEDIENT PLANT, CG, 3" PLUG	EACH	225.000	225.000
1650	SPV.0060	SPECIAL 16. MINT, MOUNTAIN, CG, 3" PLUG	EACH	225.000	225.000
1660	SPV.0060	SPECIAL 17. BLACK EYED SUSAN, CG, 3" PLUG	EACH	225.000	225.000
1670	SPV.0060	SPECIAL 18. BLACK EYED SUSAN, SWEET, CG, 3" PLUG	EACH	225.000	225.000
1680	SPV.0060	SPECIAL 19. GOLDENROD, STIFF, CG, 3" PLUG	EACH	225.000	225.000

3

DATE 14FEB13 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	5990-00-78 QUANTITY
1690	SPV.0060	SPECIAL 20. CORDGRASS, PRAIRIE, CG, 3" PLUG	EACH	750.000	750.000
1700	SPV.0060	SPECIAL 21. SPIDERWORT, OHIO, CG, 3" PLUG	EACH	225.000	225.000
1710	SPV.0060	SPECIAL 22. IRONWEED, CG, 3" PLUG	EACH	225.000	225.000
1720	SPV.0060	SPECIAL 23. RELOCATE KIWANIS TRAIL MARKER POST	EACH	1.000	1.000
1730	SPV.0060	SPECIAL 24. ADJUSTING MANHOLE COVERS SPECIAL	EACH	17.000	17.000
1740	SPV.0060	SPECIAL 25. MANHOLE COVER TYPE SPECIAL LOGO	EACH	16.000	16.000
1750	SPV.0060	SPECIAL 26. INLET COVER TYPE H SPECIAL LOGO	EACH	35.000	35.000
1760	SPV.0060	SPECIAL 27. STORM SEWER PLUG	EACH	1.000	1.000
1770	SPV.0060	SPECIAL 28. 4' X 8' STORM SEWER STRUCTURE	EACH	2.000	2.000
1780	SPV.0060	SPECIAL 29. ROOF DRAIN CONNECTION	EACH	1.000	1.000
1790	SPV.0060	SPECIAL 30. LOCATE AND REFERENCE PROPERTY CORNER	EACH	11.000	11.000
1800	SPV.0060	SPECIAL 31. RESET PROPERTY CORNERS	EACH	11.000	11.000
1810	SPV.0060	SPECIAL 32. BENCH	EACH	3.000	3.000
1820	SPV.0060	SPECIAL 33. IN-GROUND PICNIC TABLE	EACH	2.000	2.000
1830	SPV.0060	SPECIAL 34. UTILITY LINE OPENING (ULO)	EACH	10.000	10.000
1840	SPV.0060	SPECIAL 35. CONCRETE BASE TYPE 3 SPECIAL	EACH	8.000	8.000
1850	SPV.0060	SPECIAL 36. ROADWAY LIGHT POLE	EACH	8.000	8.000
1860	SPV.0060	SPECIAL 37. DECORATIVE LUMINAIRE	EACH	8.000	8.000
1870	SPV.0060	SPECIAL 38. DECORATIVE MAST ARM	EACH	8.000	8.000
1880	SPV.0060	SPECIAL 39. PEDESTRIAN LIGHT	EACH	1.000	1.000
1890	SPV.0060	SPECIAL 40. REMOVE AND REPLACE PEDESTRIAN LUMINAIRE	EACH	5.000	5.000
1900	SPV.0060	SPECIAL 41. REMOVE ROADWAY LIGHT POLE	EACH	3.000	3.000
1910	SPV.0060	SPECIAL 42. RELOCATE PEDESTRIAN LIGHT	EACH	2.000	2.000
1920	SPV.0060	SPECIAL 43. ELECTRICAL PULL BOX TYPE SPECIAL	EACH	2.000	2.000
1930	SPV.0060	SPECIAL 44. RELOCATE PULL BOX	EACH	1.000	1.000
1940	SPV.0060	SPECIAL 45. REMOVE AND REINSTALL TRAFFIC SIGNAL	EACH	2.000	2.000
1950	SPV.0060	SPECIAL 46. LOW PERMEABLE PLUG	EACH	7.000	7.000
1960	SPV.0060	SPECIAL 47. RECONSTRUCTING MANHOLES SPECIAL	EACH	3.000	3.000
1970	SPV.0085	SPECIAL 01. SEEDING, SEED MIX 70	LB	4.000	4.000
1980	SPV.0085	SPECIAL 02. SEEDING, NURSE CROP	LB	5.000	5.000
1990	SPV.0090	SPECIAL 01. RESET BLOCK RETAINING WALL	LF	52.000	52.000
2000	SPV.0090	SPECIAL 02. SHOVEL CUT BED EDGE	LF	700.000	700.000
2010	SPV.0090	SPECIAL 03. RAIN GARDEN UNDER DRAIN	LF	385.000	385.000
2020	SPV.0090	SPECIAL 04. CONSTRUCTION STAKING MULTI-USE PATH	LF	556.000	556.000
2030	SPV.0105	SPECIAL 01. REMOVE WIRE AND CABLE FROM EXISTING CONDUIT	LS	1.000	1.000
2040	SPV.0105	SPECIAL 02. CONCRETE PAVEMENT JOINT LAYOUT	LS	1.000	1.000
2050	SPV.0105	SPECIAL 03. CONSTRUCTION STAKING RAIN GARDEN	LS	1.000	1.000
2060	SPV.0180	SPECIAL 01. SHREDDED HARDWOOD BARK MULCH	SY	988.000	988.000
2070	SPV.0180	SPECIAL 02. GRAVEL MULCH	SY	22.000	22.000

3

DATE 14FEB13 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	5990-00-78 QUANTITY
2080	SPV.0195	SPECIAL 01. EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL	TON	1,471.000	1,471.000

3

3

CLEARING & GRUBBING

CATEGORY	STATION	LOCATION	(201.0120) CLEARING I.D.	(201.0220) GRUBBING I.D.	NOTES
0010	13+68	21' RT	10	10	
	17+40	27' LT	-	6	STUMP
	17+94	27' LT	20	20	
	18+38	27' LT	20	20	
	21+18	36' LT	28	28	
	21+49	28' LT	16	16	
	21+95	27' LT	16	16	
	22+39	27' LT	16	16	
	28+33	24' RT	8	8	
	29+40	25' RT	8	8	
	31+58	30' RT	8	8	
	31+88	30' RT	8	8	
	PROJECT TOTALS		**158**	**164**	

REMOVING PAVEMENT

CATEGORY	STATION	TO STATION	(204.0100) SY
0010	11+89	16+25	2,148
	16+25	17+25	619
	17+25	19+50	1,111
	19+50	20+50	651
	20+50	22+75	1,121
	22+75	23+75	702
	23+75	26+25	1,250
	26+25	27+75	1,075
	27+75	29+25	780
	29+25	30+50	796
	30+50	32+90	1,326
	PROJECT TOTAL		**11,579**

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO STATION	LOCATION	(204.0110) SY
0010	12+10	12+64	RT	85
	23+16	23+26	RT	132
	26+62	26+80	RT	168
	26+33	26+35	LT	13
	26+39	26+42	LT	18
	PROJECT TOTAL			**417**

NOTE: FOR REMOVING ASPHALTIC SURFACE IN AREAS NOT ACCOUNTED FOR IN COMMON EXCAVATION

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) LF
0010	16+05	16+05	RT	8
	32+87	33+05	RT	31
	32+89	33+03	LT	25
	PROJECT TOTAL			**64**

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
0010	11+89	13+24	LT	-	135	-	-
	11+92	11+99	RT	7	-	-	-
	13+24	13+33	LT & RT	-	45	-	-
	16+49	16+91	LT	43	-	-	-
	16+91	16+91	LT	17	-	-	-
	16+91	17+09	LT	19	-	-	-
	16+91	16+78	LT & RT	-	48	-	-
	16+78	16+78	RT	-	4	-	-
	16+78	16+79	RT	-	-	57	-
	16+79	16+79	RT	-	-	12	-
	16+79	17+06	RT	28	-	-	-
	17+06	17+24	RT	41	-	-	-
	19+64	19+81	LT	18	-	-	-
	19+81	19+87	LT	21	-	-	-
	19+81	20+29	LT	48	-	-	-
	19+81	19+81	LT & RT	46	-	-	-
	19+81	19+81	RT	92	-	-	-
	23+20	23+21	LT	10	-	-	-
	23+20	23+56	LT	36	-	-	-
	23+20	23+23	LT & RT	-	-	-	54
	23+23	23+16	RT	-	-	-	139
	26+18	26+75	LT	58	-	-	-
	26+20	26+75	RT	56	-	-	-
	26+44	26+75	LT	41	-	-	-
	26+68	26+75	RT	9	-	-	-
	26+75	26+75	LT	-	32	-	-
	26+75	26+90	LT	30	-	-	-
	26+75	26+90	LT	15	-	-	-
	26+75	27+31	LT	56	-	-	-
	26+75	26+75	LT & RT	-	43	-	-
	26+75	27+14	RT	39	-	-	-
	26+75	26+75	RT	-	147	-	-
	29+61	29+76	LT	16	-	-	-
	29+76	29+76	LT	20	-	-	-
	29+76	29+71	LT & RT	-	31	-	-
	29+66	29+71	RT	14	-	-	-
	29+71	29+68	RT	-	24	-	-
	29+71	30+14	RT & LT	-	51	-	-
	30+14	30+19	LT	-	24	-	-
	30+16	30+19	LT	4	-	-	-
	30+33	30+33	LT	6	-	-	-
	30+14	31+16	LT	103	-	-	-
	32+82	32+85	LT & RT	47	-	-	-
	PROJECT TOTALS			**940**	**584**	**69**	**193**

REMOVING RETAINING WALL

CATEGORY	STATION	TO STATION	LOCATION	(204.9090.S.01) LF
0010	22+15	22+27	LT	12
	22+31	22+38	LT	7
	PROJECT TOTAL			**19**

RESET BLOCK RETAINING WALL

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.01) LF
0010	23+70	24+02	LT	52
	PROJECT TOTAL			**52**

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0010	11+99	38' RT	-	1
	13+24	26' LT	1	-
	13+33	17' RT	-	1
	16+49	28' LT	-	1
	16+78	17' RT	-	1
	16+78	21' RT	-	1
	16+79	78' RT	1	-
	16+91	29' LT	1	-
	17+06	86' RT	1	-
	17+09	24' LT	-	1
	17+24	49' RT	-	1
	19+46	86' RT	-	1
	19+64	24' LT	-	1
	19+81	27' LT	1	-
	19+81	19' RT	-	1
	19+87	48' LT	-	1
	20+29	28' LT	-	1
	23+20	36' LT	1	-
	23+22	18' RT	1	-
	23+56	32' LT	-	1
	26+18	18' LT	-	1
	26+20	26' RT	-	1
	26+43	40' LT	-	1
	26+75	15' LT	1	-
	26+75	26' RT	1	-
	26+90	41' LT	-	1
	27+14	26' RT	-	1
	27+31	20' LT	-	1
	29+61	20' LT	-	1
	29+66	26' RT	-	1
	29+71	13' RT	1	-
	29+76	18' LT	1	-
	29+76	38' LT	-	1
	30+14	16' LT	1	-
	30+19	39' LT	-	1
	30+33	21' LT	-	1
	31+16	17' LT	1	-
	32+82	22' LT	-	1
	32+85	25' RT	-	1
	PROJECT TOTALS		**13**	**26**

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	* (204.0155) SY
0010	11+83	16+25	416
	16+25	17+25	87
	17+25	19+50	211
	19+50	20+50	85
	20+50	22+75	139
	22+75	23+75	111
	23+75	26+25	391
	26+25	27+75	137
	27+75	29+25	50
	29+25	30+50	134
	30+50	33+04	212
	PROJECT TOTAL		**1,974**

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

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
			Cut (2)	EBS Excavation (3)				Factor 1.25		
CATEGORY 0010	11+89 to 33+02	RIVER STREET	4,295	0	2,350	1,946	151	188	1,757	1,757
	100+25 to 101+25	MULTI-USE PATH	36	0	5	31	1	1	30	30
	102+50 to 104+75	MULTI-USE PATH	147	0	12	135	26	30	105	105
	UNDISTRIBUTED		0	876	0	0	0	0	0	0
PROJECT TOTAL			**5,354**		**2,367**	**2,112**	**178**	**219**	**1,892**	**1,892**

NOTE: COMMON EXCAVATION TO BE PAID AS PLAN QUANTITY

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.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.25
14) 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.

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	FROM STATION	TO STATION	LOCATION	(SPV.0195.01) TON
0010	29+05	30+45	LT & RT	111
	26+30	27+00	RT	119
	16+25	20+25	RT	1,241
	PROJECT TOTAL			**1,471**

LOW PERMEABLE PLUG

CATEGORY	STATION	LOCATION	(SPV.0060.46) EACH
0010	26+34	16.5' LT	1
	26+75	46' LT	1
	26+75	ON LINE	1
	27+00	16.5' LT	1
	29+49	6' LT	1
	29+68	36' RT	1
	30+14	6' LT	1
	PROJECT TOTAL		7

SELECT CRUSHED MATERIAL

CATEGORY	STATION	TO STATION	(312.0110) TON
0010	UNDISTRIBUTED		1,558
	PROJECT TOTAL		**1,558**

BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION	TO STATION	LOCATION	(305.0120) TON
0010	11+89	16+25	RT & LT	879
	16+25	17+25	RT & LT	226
	17+25	19+50	RT & LT	405
	19+50	20+50	RT & LT	229
	20+50	22+75	RT & LT	465
	22+75	23+75	RT & LT	285
	23+75	26+25	RT & LT	472
	26+25	27+75	RT & LT	423
	27+75	29+25	RT & LT	273
	29+25	30+50	RT & LT	272
	30+50	33+02	RT & LT	514
	100+00	105+03	RT	164
	UNDISTRIBUTED - TRAFFIC CONTROL STAGING			80
	PROJECT TOTAL			**4,687**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.34) EACH
0010	12+23	21' RT	1
	16+63	33' LT	1
	19+96	33' LT	1
	23+22	26' LT	1
	26+75	23' LT	1
	29+69	23' RT	1
	29+69	29' RT	1
	29+84	43' LT	1
	32+79	16' LT	1
	32+79	16' RT	1
	PROJECT TOTAL		**10**

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.5000) BASE LF	(650.7000) CONCRETE PAVEMENT LF	(650.9920) SLOPE STAKES LF
0010	11+89	16+25	CENTERLINE	-	436	436
	16+25	17+25	CENTERLINE	-	100	100
	17+25	19+50	CENTERLINE	-	225	225
	19+50	20+50	CENTERLINE	-	100	100
	20+50	22+75	CENTERLINE	-	225	225
	22+75	23+75	CENTERLINE	-	100	100
	23+75	26+25	CENTERLINE	-	250	250
	26+25	27+75	CENTERLINE	-	150	150
	27+75	29+25	CENTERLINE	-	150	150
	29+25	30+50	CENTERLINE	-	125	125
	30+50	33+05	CENTERLINE	-	255	255
	100"R"+00	101"R"+49	PATH EDGE	149	-	-
	102"R"+43	105"R"+02	PATH EDGE	259	-	-
	PROJECT TOTALS			**408**	**2,116**	**2,116**

CONSTRUCTION STAKING MULTI-USE PATH

CATEGORY	FROM STATION	TO STATION	LOCATION	(SPV.0090.04) LF
0010	12+07	12+52	RT	58
	12+11	12+70	RT	95
	100+00	105+03	RT	403
	PROJECT TOTAL			**556**

CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	(415.0080) 8-INCH SY	(415.1080) HES 8-INCH SY
0010	11+89	16+25	1,897	0
	16+25	17+25	532	0
	17+25	19+50	925	0
	19+50	20+50	536	0
	20+50	22+75	912	0
	22+75	23+75	476	0
	23+75	26+25	1,024	0
	26+25	27+75	881	0
	27+75	29+25	617	0
	29+25	30+50	608	0
	30+50	33+05	1,058	158
	PROJECT TOTALS		**9,467**	**158**

DRILLED DOWEL BARS

CATEGORY	STATION	TO STATION	LOCATION	(416.0620) EACH
0010	26+45	26+87	LT	41
	27+16	27+57	RT	41
	29+79	30+17	LT	41
	30+71	30+94	RT	23
	31+17	31+43	RT	26
	PROJECT TOTAL			**172**

MILLING & OVERLAYING

CATEGORY	STATION	TO STATION	(204.0120) REMOVING ASPHALTIC SURFACE MILLING SY	(455.0105) ASPHALTIC MATERIAL PG58-28 TON	(455.0605) TACK COAT GAL	(460.1103) HMA PAVEMENT TYPE E-3 TON
0010	33+05	33+75	514	3	13	59
	PROJECT TOTALS		**514**	**3**	**13**	**59**

ASPHALTIC SURFACE

CATEGORY	STATION	TO STATION	LOCATION	(465.0105) TON
0010	12+62	13+02	LT	0.5
	12+64	12+73	RT	1.2
	13+26	14+04	RT	3.8
	13+42	13+52	LT	0.1
	15+81	16+03	RT	0.3
	16+00	16+03	RT	0.2
	16+18	101"R"+49	RT	14.2
	102"R"+43	104"R"+89	RT	32.3
	18+43	18+59	LT	0.3
	20+67	21+54	RT	12.3
	20+96	21+02	LT	0.1
	22+34	22+63	RT	0.4
	22+67	23+63	RT	24.7
	25+28	25+68	LT	3.1
	25+69	26+95	RT	21.0
	28+35	28+67	LT	0.4
	29+05	29+72	LT	1.2
	31+31	31+96	LT	0.8
	PROJECT TOTAL			**117**

SAWING ASPHALT

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) LF
0010	12+67	12+73	RT	9
	12+61	13+02	LT	41
	13+28	14+04	RT	87
	13+42	13+52	LT	8
	15+81	16+03	RT	22
	16+00	16+03	RT	11
	16+18	16+18	RT	10
	101"R"+49	101"R"+49	RT	10
	102"R"+43	102"R"+43	RT	10
	18+44	18+59	LT	15
	20+67	21+54	RT	98
	20+96	21+02	LT	6
	22+34	22+61	RT	29
	22+67	23+05	RT	38
	23+05	23+05	RT	11
	23+05	23+16	RT	13
	23+16	23+12	RT	119
	23+12	23+22	RT	10
	23+22	23+26	RT	119
	23+26	23+63	RT	37
	23+63	23+63	RT	12
	25+28	25+68	LT	47
	25+69	26+70	RT	103
	26+70	26+72	RT	131
	26+72	26+62	RT	10
	26+62	26+62	RT	10
	26+62	26+82	RT	20
	26+82	26+80	RT	141
	26+80	26+95	RT	14
	26+95	26+95	RT	10
	28+36	28+67	LT	31
	29+05	29+72	LT	90
	31+31	31+96	LT	67
	33+05	33+05	LT & RT	87
	33+05	33+46	LT	41
	33+06	33+36	RT	30
	33+75	33+75	LT & RT	41
	PROJECT TOTAL			**1,588**

SAWING CONCRETE

CATEGORY	STATION	TO STATION	LOCATION	(690.0250) LF
0010	11+80	11+98	LT & RT	124
	11+80	11+83	LT	3
	11+89	12+03	LT	23
	11+95	11+98	RT	3
	12+00	12+07	RT	7
	12+34	12+34	LT	6
	12+88	12+97	RT	9
	13+01	13+03	LT	2
	13+24	13+29	LT	5
	13+62	13+67	LT	5
	14+04	14+06	RT	2
	14+56	14+60	LT	4
	15+32	15+37	LT	5
	15+59	15+70	LT	11
	15+78	15+81	RT	3
	16+03	16+06	RT	3
	16+03	16+06	RT	3
	16+03	16+06	RT	3
	16+39	16+43	LT	4
	16+52	16+87	LT	35
	16+97	17+01	LT	4
	17+73	17+81	LT	8
	18+08	18+12	LT	4
	18+88	18+94	LT	6
	19+72	19+76	LT	4
	19+86	20+21	LT	35
	20+32	20+36	LT	4
	20+78	20+81	LT	3
	21+27	21+30	LT	3
	21+83	22+34	RT	51
	22+27	22+31	LT	4
	22+70	22+74	LT	4
	23+07	23+11	LT	4
	23+21	23+56	LT	35
	23+63	25+69	RT	207
	23+65	23+70	LT	5
	24+22	24+82	LT	60
	25+67	26+35	LT	69
	26+35	26+35	LT	3
	26+35	26+40	LT	5
	26+43	26+99	LT	56
	26+95	27+03	RT	8
	26+99	26+99	LT	23
	26+99	27+99	LT	100
	27+02	27+02	RT	6
	27+02	27+04	RT	2
	27+07	27+07	RT	6
	27+13	27+58	RT	45
	28+67	28+67	LT	1
	28+67	29+06	LT	39
	29+06	29+06	LT	1
	29+56	30+45	RT	82
	29+72	29+76	LT	5
	29+77	30+19	LT	47
	30+19	30+26	LT	8
	30+26	30+26	LT	17
	30+26	30+41	LT	15
	30+70	31+46	RT	76
	32+92	32+97	LT	5
	32+98	33+07	RT	9
	33+02	33+04	LT	3
	PROJECT TOTAL			**1,332**

CONCRETE DRIVEWAYS

CATEGORY	STATION	LOCATION	(204.0155)* REMOVING CONCRETE SIDEWALK SY	(416.0160) CONCRETE DRIVEWAY 6-INCH SY
0010	12+82	LT	45	27
	13+46	RT	20	12
	13+48	LT	13	10
	13+96	RT	23	18
	14+33	LT	10	0
	14+98	LT	13	10
	15+64	LT	12	10
	15+81	LT	11	9
	15+92	RT	35	19
	17+77	LT	12	9
	18+52	LT	24	14
	20+02	RT	25	0
	20+93	RT	46	0
	20+98	LT	8	9
	21+03	RT	0	22
	21+54	RT	21	17
	21+65	LT	13	9
	22+05	LT	13	10
	22+08	RT	48	37
	22+53	RT	17	14
	22+76	RT	12	12
	23+40	RT	0	32
	24+43	LT	13	0
	24+73	LT	19	13
	25+40	LT	46	20
	26+66	RT	0	18
	28+34	LT	26	31
	28+74	LT	33	0
	31+73	LT	20	21
PROJECT TOTALS			**580**	**400**

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE PAVEMENT GAPS

CATEGORY	DESCRIPTION	(415.0210) EACH
0010	ANCHOR BANK DRIVETHRU ENTRANCE	1
	WEST HOLMES STREET INTERSECTION	2
	McKINLEY STREET INTERSECTION	1
	TRANSIT SYSTEM TRANSFER CENTER ENTRANCE	1
	PROJECT TOTAL	**5**

CONCRETE SURFACE DRAINS

CATEGORY	STATION	LOCATION	(416.1010) CY
0010	16+99	RT	2
	19+53	RT	2
	PROJECT TOTAL		**4**

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(602.0405) 4-INCH SF	(602.0415) 6-INCH SF
0010	11+89	16+25	RT & LT	2,065	2,350
	16+25	17+25	RT & LT	580	580
	17+25	19+50	RT & LT	1,015	380
	19+50	20+50	RT & LT	215	865
	20+50	22+75	RT & LT	1,375	960
	22+75	23+75	RT & LT	745	490
	23+75	26+25	RT & LT	2,310	230
	26+25	27+75	RT & LT	1,465	620
	27+75	29+25	LT	535	220
	29+25	30+50	RT & LT	1,895	445
	30+50	33+02	LT	1,235	695
	PROJECT TOTALS			**13,435**	**7,835**

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0417) 30-INCH TYPE K LF	(601.0419) 30-INCH TYPE L LF	(650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	11+89	16+25	RT & LT	920	10	10
	16+25	17+25	RT & LT	225	0	0
	17+25	19+50	RT & LT	450	0	0
	19+50	20+50	RT & LT	225	0	0
	20+50	22+75	RT & LT	450	0	0
	22+75	23+75	RT & LT	215	0	0
	23+75	26+25	RT & LT	500	0	0
	26+25	27+75	RT & LT	275	0	0
	27+75	29+25	RT & LT	300	0	0
	29+25	30+50	RT & LT	255	0	0
	30+50	33+05	RT & LT	500	0	0
	PROJECT TOTALS			**4,315**	**10**	**10**

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION	TO STATION	LOCATION	(601.0600) LF
0010	22+09	22+27	LT	18
	22+31	22+61	LT	30
	24+02	24+10	LT	8
	PROJECT TOTAL			**56**

CONCRETE STEPS

CATEGORY	STATION	TO STATION	LOCATION	(602.1500) SF
0010	22+27	22+31	LT	4
	PROJECT TOTAL			**4**

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION	LOCATION	(602.0515) SF
0010	11+86	LT	8
	11+95	LT	8
	12+11	RT	16
	16+06	RT	8
	16+30	RT	8
	16+30	LT	8
	16+51	LT	8
	16+92	LT	8
	19+82	LT	8
	20+23	LT	8
	20+46	RT	16
	20+46	LT	8
	23+06	RT	8
	23+08	LT	8
	23+18	LT	8
	23+59	LT	8
	23+65	RT	8
	23+67	LT	8
	26+27	RT	8
	26+27	LT	8
	26+41	LT	8
	26+92	LT	8
	27+05	RT	8
	27+05	LT	8
	29+60	RT	8
	29+60	LT	8
	29+74	LT	8
	30+20	LT	8
	30+42	RT	8
	30+42	LT	8
	32+92	LT	8
	32+93	RT	8
	32+97	LT	8
	33+01	RT	8
PROJECT TOTAL			**288**

ADJUSTING MANHOLE COVERS SPECIAL

CATEGORY	STATION	LOCATION	TYPE	(SPV.0060.24) EACH	(SPV.0060.47) RECONSTRUCTING MANHOLES SPECIAL EACH
0020	12+01	7' LT	WATER	1	-
	12+15	2' LT	SANITARY	1	-
	13+80	1' LT	SANITARY	1	-
	16+70	3' LT	SANITARY	-	1
	16+79	39' LT	WATER	1	-
	20+04	4' LT	SANITARY	-	1
	20+15	44' LT	WATER	1	-
	21+51	12' RT	WATER	1	-
	23+37	1' LT	SANITARY	1	-
	23+49	33' LT	WATER	1	-
	26+67	1' LT	SANITARY	1	-
	26+81	42' LT	WATER	1	-
	29+54	18' RT	WATER	1	-
	29+94	4' RT	SANITARY	1	-
	30+08	32' LT	WATER	1	-
	31+15	15' RT	WATER	1	-
	31+96	8' RT	SANITARY	-	1
	33+25	7' RT	SANITARY	1	-
	33+39	28' LT	WATER	1	-
	33+58	15' RT	WATER	1	-
PROJECT TOTAL				**17**	**3**

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	(SPV.0060.28) 4' x 8' STORM SEWER STRUCTURE EACH	(SPV.0060.25) MANHOLE COVER TYPE SPECIAL LOGO EACH	(SPV.0060.26) INLET COVER TYPE H SPECIAL LOGO EACH	(611.0645) INLET COVERS TYPE MS-A EACH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	DEPTH FEET	FLAG LINE OR RIM ELEVATION	INVERT
0010	1.0	12+00.0	22.0' RT	1	-	-	-	-	1	-	-	-	1	767.80	3.02	769.05	764.78
	1.1	12+56.0	19.5' RT	-	-	1	-	-	-	1	-	-	1	767.61	3.16	768.82	764.45
	1.2	13+33.0	16.5' RT	-	-	1	-	-	-	1	-	-	1	767.75	3.71	768.96	764.04
	1.3	12+56.0	23.5' LT	-	-	1	-	-	-	1	-	-	1	767.60	2.58	768.81	765.02
	1.4	12+04.5	40.0' RT	-	-	1	-	-	-	1	-	-	1	767.31	2.08	768.52	765.23
	2.0	16+79.0	70.0' RT	1	-	-	-	-	1	-	-	-	1	765.95	4.58	767.20	761.37
	3.0	16+62.5	27.5' RT	1	-	-	-	-	1	-	-	-	1	766.25	3.99	767.50	762.26
	4.0	16+62.5	23.5' LT	1	-	-	-	-	1	-	-	-	1	766.50	4.14	767.75	762.36
	4.1	15+91.5	23.5' LT	-	-	1	-	-	-	1	-	-	1	766.69	2.77	767.90	763.92
	4.2	17+09.0	23.5' LT	-	-	1	-	-	-	1	-	-	1	766.37	2.58	767.58	763.79
	5.0	16+62.5	39.5' LT	1	-	-	-	-	1	-	-	-	1	766.80	4.21	768.05	762.59
	5.1	16+53.5	39.5' LT	-	-	1	-	-	-	1	-	-	1	766.47	2.73	767.68	763.74
	6.0	16+89.0	46.0' LT	-	-	-	-	1	1	1	-	-	1	767.09	3.90	768.30	763.19
	7.0	19+45.5	69.0' RT	-	-	-	1	-	-	-	1	-	1	766.85	4.01	766.85	762.84
	8.0	19+81.0	100.0' RT	1	-	-	-	-	1	-	-	-	1	766.00	4.49	767.25	761.51
	8.1	20+43.0	98.0' RT	-	-	-	1	-	-	-	1	-	1	766.25	4.32	766.25	761.93
	9.0	19+96.0	23.5' LT	1	-	-	-	-	1	-	-	-	1	766.57	3.03	767.82	763.54
	9.1	19+53.0	23.5' LT	-	-	1	-	-	-	1	-	-	1	766.37	2.51	767.58	763.86
	9.2	20+82.5	23.5' LT	-	-	1	-	-	-	1	-	-	1	767.03	2.96	768.24	764.07
	10.0	19+96.0	45.5' LT	1	-	-	-	-	1	-	-	-	1	767.09	3.48	768.34	763.61
	10.1	19+87.0	45.5' LT	-	-	1	-	-	-	1	-	-	1	767.03	3.13	768.24	763.90
	10.2	20+20.0	40.5' LT	-	-	1	-	-	-	1	-	-	1	766.69	2.72	767.90	763.97
	11.0	23+22.0	23.7' RT	-	1	-	-	-	1	-	-	-	1	767.15	3.90	768.40	763.25
	11.1	22+64.8	16.5' RT	-	-	1	-	-	-	1	-	-	1	767.08	2.00	768.29	765.08
	11.2	22+61.5	23.4' LT	-	-	1	-	-	-	1	-	-	1	766.96	1.62	768.17	765.34
	12.0	23+22.2	45.0' LT	-	1	-	-	-	-	1	-	-	1	767.84	4.33	769.05	763.51
	12.1	23+55.0	43.4' LT	-	-	1	-	-	-	1	-	-	1	767.92	2.75	769.13	765.17
	13.0	26+75.0	16.5' LT	1	-	-	-	-	1	-	-	-	1	766.55	3.58	767.80	762.97
	13.1	26+10.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	766.53	2.63	767.74	763.90
	13.2	25+68.5	16.5' LT	-	-	1	-	-	-	1	-	-	1	766.51	2.30	767.72	764.21
	13.3	26+10.0	23.5' RT	-	-	1	-	-	-	1	-	-	1	766.19	1.99	767.40	764.20
	13.4	27+11.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	766.92	3.17	768.13	763.75
	13.5	27+53.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.29	3.23	768.50	764.06
	13.6	27+74.5	23.5' RT	-	-	1	-	-	-	1	-	-	1	767.11	2.72	768.32	764.39
	14.0	26+75.0	38.5' LT	1	-	-	-	-	1	-	-	-	1	767.20	3.78	768.45	763.42
	14.1	26+44.0	38.5' LT	-	-	1	-	-	-	1	-	-	1	767.10	2.92	768.31	764.18
	14.2	26+89.0	38.5' LT	-	-	1	-	-	-	1	-	-	1	767.14	3.05	768.35	764.09
	15.0	29+69.5	23.5' RT	1	-	-	-	-	1	-	-	-	1	767.95	6.05	769.20	761.90
	15.1	29+40.0	23.5' RT	-	-	1	-	-	-	1	-	-	1	767.10	3.23	768.31	763.87
	15.2	29+52.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.46	3.28	768.67	764.18
	15.3	30+12.5	16.5' RT	-	-	1	-	-	-	1	-	-	1	767.63	4.28	768.84	763.35
	16.0	30+14.0	17.4' LT	1	-	-	-	-	1	-	-	-	1	767.60	4.04	768.85	763.56
	16.1	30+45.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.61	3.79	768.82	763.82
	16.2	31+16.5	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.84	3.55	769.05	764.29
	17.0	30+15.5	39.5' LT	-	-	-	-	1	1	1	-	-	1	767.91	3.76	769.12	764.15
	17.1	29+77.5	43.7' LT	-	-	1	-	-	-	1	-	-	1	767.77	2.81	768.98	764.96
	18.1	32+86.0	27.5' RT	-	-	1	-	-	-	1	-	-	1	767.91	2.24	769.12	765.67
	18.2	32+82.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.83	1.84	769.04	765.99
	18.3	32+17.0	16.5' LT	-	-	1	-	-	-	1	-	-	1	767.59	1.38	768.80	766.21
	18.4	32+17.0	27.5' RT	-	-	1	-	-	-	1	-	-	1	767.37	1.39	768.58	765.98
	19.0	26+77.0	173.0' RT	1	-	-	-	-	1	-	-	-	1	765.10	5.30	766.35	759.80
	EXISTING	33+33.0	12.0' LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	EXISTING	33+34.0	45' RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	PROJECT TOTALS			**13**	**2**	**32**	**2**	**2**	**16**	**35**	**2**	**2**	**51**				

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION	(611.8115) EACH
0010	11+89	28' LT	1
	30+70	32' RT	1
	31+00	32' RT	1
	31+15	33' RT	1
	31+46	31' RT	1
	33+02	31' LT	1
	33+05	45' RT	1
	PROJECT TOTAL		**7**

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	PIPE NUMBER	STRUCTURE I.D. FROM	STRUCTURE I.D. TO	(607.0408) STORM SEWER PIPE COMPOSITE 8-INCH LF	(608.0312) CLASS III 12-INCH LF	(608.0412) CLASS IV 12-INCH LF	(608.0315) CLASS III 15-INCH LF	(608.0318) CLASS III 18-INCH LF	(608.0324) CLASS III 24-INCH LF	(608.0330) CLASS III 30-INCH LF
0010	1	EXISTING MANHOLE*	1.0	-	-	-	51	-	-	-
	2	1.0	1.4	-	19	-	-	-	-	-
	3	1.0	1.1	-	-	-	56	-	-	-
	4	1.1	1.2	-	-	-	77	-	-	-
	5	1.1	1.3	-	43	-	-	-	-	-
	6	2.0	CONNECTION	-	-	-	-	-	20	-
	7	2.0	3.0	-	-	-	-	-	46	-
	8	3.0	4.0	-	-	-	-	-	51	-
	9	4.0	4.1	-	71	-	-	-	-	-
	10	4.0	4.2	-	46	-	-	-	-	-
	11	4.0	5.0	-	-	-	-	-	16	-
	12	5.0	STUB	-	-	-	-	-	13	-
	13	5.0	5.1	-	9	-	-	-	-	-
	14	5.0	6.0	-	27	-	-	-	-	-
	15	7.0	CONNECTION	-	18	-	-	-	-	-
	16	8.0	CONNECTION	-	12	-	-	-	-	-
	17	8.0	8.1	-	62	-	-	-	-	-
	18	8.0	9.0	-	124	-	-	-	-	-
	19	9.0	9.1	-	43	-	-	-	-	-
	20	9.0	9.2	-	86	-	-	-	-	-
	21	9.0	10.0	-	22	-	-	-	-	-
	22	10.0	10.1	-	9	-	-	-	-	-
	23	10.0	10.2	-	24	-	-	-	-	-
	24	11.0	CONNECTION	-	-	-	-	-	-	134
	25	11.0	11.1	-	58	-	-	-	-	-
	26	11.0	12.0	-	-	-	-	-	-	69
	27	11.1	11.2	-	-	40	-	-	-	-
	28	12.0	12.1	-	33	-	-	-	-	-
	29	13.0	19.0	-	-	-	-	190	-	-
	30	13.0	14.0	-	-	-	-	22	-	-
	31	13.0	13.1	-	65	-	-	-	-	-
	32	13.0	13.4	-	36	-	-	-	-	-
	33	13.1	13.2	-	42	-	-	-	-	-
	34	13.1	13.3	-	40	-	-	-	-	-
	35	13.4	13.5	-	42	-	-	-	-	-
	36	13.5	13.6	-	45	-	-	-	-	-
	37	14.0	CONNECTION	-	-	-	-	8	-	-
	38	14.0	14.1	-	31	-	-	-	-	-
	39	14.0	14.2	-	14	-	-	-	-	-
	40	EXISTING MANHOLE*	15.0	-	-	-	-	13	-	-
	41	15.0	15.1	-	29	-	-	-	-	-
	42	15.0	15.3	-	-	-	-	41	-	-
	43	15.1	15.2	-	42	-	-	-	-	-
	44	15.3	16.0	-	-	-	-	34	-	-
	45	16.0	16.1	-	32	-	-	-	-	-
	46	16.0	17.0	-	-	-	-	22	-	-
	47	16.1	16.2	-	71	-	-	-	-	-
	48	17.0	17.1	-	41	-	-	-	-	-
	49	18.1	18.2	-	44	-	-	-	-	-
	50	18.1	18.4	-	69	-	-	-	-	-
	51	18.4	18.3	-	44	-	-	-	-	-
	52	19.0	EXISTING CATCH BASIN	9	-	-	-	-	-	-
PROJECT TOTALS				**9**	**1,393**	**40**	**184**	**330**	**146**	**203**

*CONNECTION TO EXISTING STRUCTURE IS INCIDENTAL TO THE STORM SEWER PIPE BID ITEM

INSULATION BOARD POLYSTYRENE, 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S) SY
0020	11+94	5' LT	3.6
	11+98	12' RT	3.6
	12+15	21' RT	3.6
	12+56	10' RT	3.6
	13+17	17' RT	3.6
	16+10	24' LT	3.6
	16+63	6' RT	3.6
	16+80	24' LT	3.6
	16+80	44' LT	3.6
	19+93	5' RT	3.6
	20+15	42' LT	3.6
	20+16	24' LT	3.6
	22+64	10' RT	3.6
	23+22	12' RT	3.6
	23+49	43' LT	3.6
	26+10	16' RT	3.6
	26+75	16' RT	3.6
	26+75	31' LT	3.6
	26+81	17' LT	3.6
	26+81	38' LT	3.6
	27+71	18' RT	3.6
	29+41	20' RT	3.6
	30+05	18' RT	3.6
	30+09	40' LT	3.6
	30+14	13' RT	3.6
	31+10	17' LT	3.6
	32+17	15' RT	3.6
	32+72	27' RT	3.6
	32+85	15' RT	3.6
PROJECT TOTAL			**104.4**

CONCRETE COLLARS FOR PIPE

CATEGORY	STATION	LOCATION	(520.8000) EACH
0010	100"R"+99	16' RT	1
	103"R"+67	2' RT	1
	104"R"+01	25' RT	1
	23+16	157' RT	1
	26+75	46' LT	1
	29+68	36' RT	1
PROJECT TOTAL			**6**

ROOF DRAIN CONNECTION

CATEGORY	STATION	LOCATION	(SPV.0060.29) EACH
0010	25+68.5	29' LT	1
PROJECT TOTAL			**1**

STORM SEWER PLUG

CATEGORY	STATION	LOCATION	(SPV.0060.27) EACH
0010	16+63	53' LT	1
PROJECT TOTAL			**1**

TRACKING PADS

CATEGORY	LOCATION	(628.7560) EACH
0010	BEGIN PROJECT	1
	END PROJECT	1
	UNDISTRIBUTED	2
PROJECT TOTAL		**4**

RAIN GARDEN UNDER DRAIN

CATEGORY	FROM STATION	TO STATION	LOCATION	(SPV.0090.03) LF
0010	16+35.5	19+45.5	RT	312
	19+45.5	20+16.5	RT	73
PROJECT TOTAL				**385**

MOBILIZATIONS

CATEGORY	(628.1905) EROSION CONTROL EACH	(628.1910) EMERGENCY EROSION CONTROL EACH
0010	2	4
PROJECT TOTALS	**2**	**4**

SILT FENCE

CATEGORY	STATION	TO STATION	LOCATION	(628.1504) SILT FENCE LF	(628.1520) SILT FENCE MAINTENANCE LF
0010	12+05	12+90	RT	90	180
	16+00	20+65	RT	570	1,140
	16+30	20+40	RT	950	1,900
	UNDISTRIBUTED		-	40	80
PROJECT TOTALS				**1,650**	**3,300**

RIPRAP

CATEGORY	STATION	LOCATION	(606.0200) RIPRAP MEDIUM CY	(645.0130) GEOTEXTILE FABRIC TYPE R SY
0010	16+99	RT	3	19
	19+53	RT	3	19
PROJECT TOTAL			**6**	**38**

FENCE SAFETY

CATEGORY	LOCATION	(616.0700.S) LF
0010	TRANSIT SYSTEM TRANSFER CENTER	500
	UNDISTRIBUTED	100
PROJECT TOTAL		**600**

INLET PROTECTION

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(628.7005) TYPE A EACH	(628.7010) TYPE B EACH	(628.7020) TYPE D EACH
0010	EXISTING	11+35	LT	-	-	1
	EXISTING	11+45	RT	-	-	1
	EXISTING	11+89	LT	-	-	1
	EXISTING	11+99	RT	-	-	1
	1.4	12+05	RT	-	-	1
	1.1	12+56	RT	-	-	1
	1.3	12+56	LT	-	-	1
	EXISTING	13+24	LT	-	-	1
	EXISTING	13+33	RT	-	-	1
	1.2	13+33	RT	-	-	1
	EXISTING	15+74	RT	-	-	1
	4.1	15+92	LT	-	-	1
	EXISTING	16+49	LT	-	-	1
	5.1	16+54	LT	-	-	1
	EXISTING	16+78	RT	-	-	1
	EXISTING	16+78	RT	-	1	-
	6.0	16+89	LT	-	-	1
	EXISTING	17+09	LT	-	-	1
	4.2	17+09	LT	-	-	1
	EXISTING	17+24	RT	1	-	-
	EXISTING	19+46	RT	1	-	-
	7.0	19+46	RT	1	-	-
	9.1	19+53	LT	-	-	1
	EXISTING	19+64	LT	-	-	1
	EXISTING	19+81	RT	-	-	1
	EXISTING	19+87	LT	-	-	1
	10.1	19+87	LT	-	-	1
	10.2	20+20	LT	-	-	1
	EXISTING	20+29	LT	-	-	1
	8.1	20+43	RT	1	-	-
	9.2	20+83	LT	-	-	1
	11.2	22+62	LT	-	-	1
	11.1	22+65	RT	-	-	1
	EXISTING	23+20	LT	-	-	1
	12.0	23+22	LT	-	-	1
	12.1	23+55	LT	-	-	1
	EXISTING	23+56	LT	-	-	1
	13.2	25+69	LT	-	-	1
	13.1	26+10	LT	-	-	1
	13.3	26+10	RT	-	-	1
	EXISTING	26+18	LT	-	-	1
	EXISTING	26+20	RT	-	-	1
	EXISTING	26+43	LT	-	-	1
	14.1	26+44	LT	-	-	1
	EXISTING	26+68	RT	-	1	-
	14.2	26+89	LT	-	-	1
	EXISTING	26+90	LT	-	-	1
	13.4	27+11	LT	-	-	1
	EXISTING	27+14	RT	-	1	-
	EXISTING	27+14	RT	-	-	1
	EXISTING	27+31	LT	-	-	1
	13.5	27+53	LT	-	-	1
	EXISTING	27+69	RT	-	-	1
	13.6	27+75	RT	-	-	1
	EXISTING	28+20	RT	-	-	1
	15.1	29+40	RT	-	-	1
	15.2	29+52	LT	-	-	1
	EXISTING	29+61	LT	-	-	1
	EXISTING	29+66	RT	-	-	1
	EXISTING	29+76	LT	-	-	1
	17.1	29+78	LT	-	-	1
	15.3	30+13	RT	-	-	1
	17.0	30+16	LT	-	-	1
	EXISTING	30+19	LT	-	-	1
	EXISTING	30+33	LT	-	-	1

INLET PROTECTION (CONT.)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(628.7005) TYPE A EACH	(628.7010) TYPE B EACH	(628.7020) TYPE D EACH
0010	16.1	30+45	LT	-	-	1
	EXISTING	30+70	RT	-	-	1
	EXISTING	31+00	RT	-	-	1
	EXISTING	31+16	RT	-	-	1
	16.2	31+17	LT	-	-	1
	EXISTING	31+45	RT	-	-	1
	EXISTING	31+45	RT	-	-	1
	18.3	32+17	LT	-	-	1
	18.4	32+17	RT	-	-	1
	EXISTING	32+82	LT	-	-	1
	18.2	32+82	LT	-	-	1
	EXISTING	32+85	RT	-	-	1
	18.1	32+86	RT	-	-	1
	EXISTING	33+03	LT	-	-	1
	EXISTING	33+05	RT	-	-	1
	EXISTING	33+38	RT	-	-	1
	EXISTING	33+48	LT	-	-	1
	EXISTING	33+64	RT	-	-	1
	EXISTING	33+68	LT	-	-	1
	PROJECT TOTALS			**4**	**3**	**77**

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(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
0010	11+89	16+25	RT & LT	1,079	0	0.68	5	807	46	272
	16+25	17+25	RT & LT	545	0	0.34	1	152	9	393
	17+25	19+50	RT & LT	1,285	0	0.81	2	312	18	972
	19+50	20+50	RT & LT	864	0	0.54	6	159	9	705
	20+50	22+75	RT & LT	366	0	0.23	3	178	10	188
	22+75	23+75	RT & LT	121	0	0.08	0	121	7	0
	23+75	26+25	RT & LT	313	0	0.20	0	313	18	0
	26+25	27+75	RT & LT	95	0	0.06	0	95	5	0
	27+75	29+25	RT & LT	263	0	0.17	0	263	15	0
	29+25	30+50	RT & LT	70	0	0.04	0	70	4	0
	30+50	33+02	RT & LT	266	0	0.17	0	266	15	0
		UNDISTRIBUTED		400	400	0.25	7	50	3	50
		PROJECT TOTALS		**5,667**	**400**	**3.57**	**24**	**2,786**	**159**	**2,580**

WATER

CATEGORY	DESCRIPTION	(624.0100) MGAL
0010	COMPACTION	47
	DUST CONTROL	19
	UNDISTRIBUTED	4
	PROJECT TOTAL	**70**

PERMANENT SIGNING

CATEGORY	NO	STATION	LOCATION	CODE	SIZE IN X IN	(637.0202) SIGNS REFLECTIVE TYPE II SF	(634.0812) POSTS TUBULAR STEEL 2X2-INCH 12-FT EACH	(634.0814) POSTS TUBULAR STEEL 2X2-INCH 14-FT EACH	(634.0816) POSTS TUBULAR STEEL 2X2-INCH 16-FT EACH	NOTES
0010	1.1	12+02	LT	D3-1	24 X 8	1	-	-	1	
	1.2	12+02	LT	D3-1	24 X 8	1	-	-	-	
	1.3	12+02	LT	R1-1	30 X 30	6	-	-	-	
	1.4	12+55	LT	R3-17	30 X 24	5	-	1	-	
	1.5	12+55	LT	R3-17B	30 X 12	3	-	-	-	
	1.6	13+06	LT	R7-1L	12 X 18	2	-	1	-	
	1.7	14+05	LT	R7-108B (MOD.)	12 X 18	2	-	1	-	
	1.8	15+53	LT	R7-108B (MOD.)	12 X 18	2	-	1	-	
	1.9	12+85	RT	R3-17	24 X 18	3	-	1	-	
	1.10	12+85	RT	R7-1D	12 X 18	2	-	-	-	
	1.11	13+70	RT	R2-1	24 X 30	5	-	1	-	SPEED LIMIT 25 MPH
	1.12	14+50	RT	R7-1D	12 X 18	2	-	-	-	ON STREET LIGHT POLE
	1.13	12+10	RT	D11-1	24 X 18	3	-	1	-	
	1.14	12+10	RT	R5-3	24 X 24	4	-	-	-	
	1.15	12+20	RT	R1-1	18 X 18	2	-	1	-	
	1.16	12+40	RT	R1-2	18 X 18	2	-	1	-	
	1.17	12+90	RT	W3-1A	18 X 18	2	-	1	-	
	1.18	12+50	RT	EXISTING	-	-	-	1	-	MOVING SIGNS TYPE II
	2.1	16+25	LT	R3-17	24 X 18	3	-	1	-	
	2.2	16+48	LT	D3-1	24 X 8	1	-	-	1	
	2.3	16+48	LT	D3-1	24 X 8	1	-	-	-	
	2.4	16+48	LT	R1-1	30 X 30	6	-	-	-	
	2.5	19+60	LT	R3-17	24 X 18	3	-	1	-	
	2.6	19+82	LT	D3-1	24 X 8	1	-	-	1	
	2.7	19+82	LT	D3-1	24 X 8	1	-	-	-	
	2.8	19+82	LT	R1-1	30 X 30	6	-	-	-	
	2.9	20+60	LT	W11-15	30 X 30	6	-	-	1	
	2.10	20+60	LT	W16-7P	24 X 12	2	-	-	-	
	2.11	21+93	LT	W11-15	30 X 30	6	-	1	-	
	2.12	21+93	LT	W16-9P	24 X 8	1	-	-	-	
	2.13	17+10	RT	R7-1D	12 X 18	2	-	-	-	
	2.14	18+85	RT	W11-15	30 X 30	6	-	1	-	
	2.15	18+85	RT	W16-9P	24 X 8	1	-	-	-	
	2.16	20+35	RT	W11-15	30 X 30	6	-	-	-	ON STREET LIGHT POLE
	2.17	20+35	RT	W16-7P	24 X 12	2	-	-	-	ON STREET LIGHT POLE
	2.18	20+75	RT	R3-17	24 X 18	3	-	1	-	
	2.19	21+75	RT	R7-1D	12 X 18	2	-	1	-	
	2.20	16+30	RT	D3-1	24 X 8	1	1	-	-	
	2.21	103"R"+90	RT	W3-1A	18 X 18	2	-	1	-	
	2.22	20+40	RT	D11-1	24 X 18	3	-	1	-	
	2.23	20+40	RT	R5-3	24 X 24	4	-	-	-	
	2.24	20+40	RT	D11-1	24 X 18	3	-	-	-	
	2.25	20+40	RT	M6-4	21 X 21	3	-	-	-	
	2.26	20+55	RT	R1-1	18 X 18	2	-	1	-	
	3.1	22+95	LT	R3-17	24 X 18	3	-	1	-	
	3.2	23+17	LT	D3-1	24 X 8	1	-	-	1	
	3.3	23+17	LT	D3-1	24 X 8	1	-	-	-	
	3.4	23+17	LT	R1-1	30 X 30	6	-	-	-	
	3.5	23+72	LT	R7-1R	12 X 18	2	-	1	-	
	3.6	25+95	LT	R3-17	24 X 18	3	-	1	-	
	3.7	26+20	LT	R7-1L	12 X 18	2	-	-	-	
	3.8	26+40	LT	D3-1	30 X 8	2	-	-	1	
	3.9	26+40	LT	D3-1	24 X 8	1	-	-	-	
	3.10	26+40	LT	R1-1	30 X 30	6	-	-	-	
	3.11	23+57	RT	R7-1R	12 X 18	2	-	-	-	ON STREET LIGHT POLE
	3.12	26+35	RT	R7-1L	12 X 18	2	-	1	-	
	3.13	26+90	RT	R7-1R	12 X 18	2	-	-	-	ON STREET LIGHT POLE
	3.14	27+15	LT	R7-1R	12 X 18	2	-	1	-	
	4.1	29+20	LT	R3-17	24 X 18	3	-	1	-	
	4.2	29+75	LT	D3-1	24 X 8	1	-	-	1	
	4.3	29+75	LT	D3-1	24 X 8	1	-	-	-	
	4.4	29+75	LT	R1-1	30 X 30	6	-	-	-	
	4.5	31+50	LT	R2-1	24 X 30	5	-	-	1	SPEED LIMIT 25 MPH
	4.6	31+50	LT	R7-1D	12 X 18	2	-	-	-	
	4.7	32+42	LT	R3-17	24 X 18	3	-	1	-	
	4.8	32+67	LT	R7-1L	12 X 18	2	-	1	-	
	4.9	29+75	RT	R7-1L	12 X 18	2	-	1	-	
	4.10	30+58	RT	R4-4	36 X 30	8	-	1	-	
	4.11	31+52	RT	R3-8D	36 X 30	8	-	1	-	
	4.12	31+92	RT	R3-7R	30 X 30	6	-	-	1	
	4.13	31+92	RT	R7-1D	12 X 18	2	-	-	-	
	4.14	29+45	LT	R7-1L	12 X 18	2	-	1	-	
	4.15	32+48	RT	R3-17	30 X 24	5	-	1	-	
	4.16	32+48	RT	R3-17B	30 X 12	3	-	-	-	
	4.17	32+20	RT	EXISTING	-	-	-	1	-	MOVING SIGNS TYPE II
PROJECT TOTALS						**215**	**1**	**34**	**9**	

MOVING SIGNS TYPE II

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(638.2102) EACH	REMARKS
0010	12+50	20' RT	12+50	25' RT	1	
	32+48	26.5' RT	32+20	31' RT	2	
	32+84	27' RT	32+76.5	31' RT	1	TRAFFIC SIGNAL POLE
	32+84	27' RT	32+76.5	31' RT	1	TRAFFIC SIGNAL POLE
PROJECT TOTAL					**5**	

REMOVING SIGNS

CATEGORY	STATION	LOCATION	(638.2602) TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH
0010	12+00	LT	3	1
	12+01	LT	1	1
	12+50	RT	1	1
	12+55	LT	2	1
	12+67	RT	2	1
	14+05	LT	2	1
	14+15	RT	2	1
	14+92	RT	1	1
	15+47	LT	1	1
	16+16	RT	1	1
	16+18	RT	1	1
	16+51	LT	3	1
	16+67	RT	1	1
	19+85	LT	3	1
	23+14	LT	3	1
	26+41	LT	3	1
	29+31	RT	2	1
	29+75	LT	3	1
	30+40	RT	2	1
	31+68	RT	2	1
	32+56	LT	2	1
PROJECT TOTALS			**41**	**21**

PROPERTY CORNERS

CATEGORY	IRON PIPE NO.	STATION	LOCATION	(SPV.0060.30) LOCATE AND REFERENCE PROPERTY CORNERS EACH	(SPV.0060.31) RESET PROPERTY CORNERS EACH
0010	1	13+06.86	36.52' LT	1	1
	2	13+46.56	36.43' LT	1	1
	3	14+37.34	36.50' LT	1	1
	4	17+02.84	36.65' LT	1	1
	5	17+69.79	36.66' LT	1	1
	6	21+54.03	29.19' RT	1	1
	7	21+71.64	36.31' LT	1	1
	8	23+04.72	34.42' LT	1	1
	9	26+43.78	35.75' RT	1	1
	10	29+65.68	29.58' LT	1	1
	11	32+92.29	36.79' RT	1	1
PROJECT TOTALS				**11**	**11**

TRAFFIC CONTROL

CATEGORY	STAGE	DRUMS NO. DEVICES	(643.0300) DRUMS (DAYS)	BARRICADES TYPE III NO. DEVICES	* (643.0420) BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) WARNING LIGHTS TYPE A DAYS	SIGNS NO. DEVICES	(643.0900) SIGNS DAYS	SIGNS FIXED MESSAGE NO. DEVICES	(643.1000) SIGNS FIXED MESSAGE SF	DURATION	
0010	PROJECT DURATION	27	2,754	76	7,752	130	13,260	66	6,732	7	21.5	102	DAYS
	UNDISTRIBUTED	25	2,550	10	1,020	10	1,020	-	-	-	-	102	DAYS
	PROJECT TOTALS	**52**	**5,304**	**86**	**8,772**	**140**	**14,280**	**66**	**6,732**	**7**	**21.5**		

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	LOCATION	PCMS # OF DEVICES	DURATION DAYS	(643.1050) DAYS
0010	RIVER STREET (SOUTH OF RACINE STREET)	1	10	10
	RIVER STREET (NORTH OF COURT STREET)	1	10	10
	COURT STREET	1	10	10
	PROJECT TOTAL			**30**

TRAFFIC CONTROL BIKE DETOUR SIGNS

CATEGORY	STAGE	DETOUR SIGNS NO. DEVICES	(643.3000) DAYS	BARRICADES TYPE III NO. DEVICES	* (643.0420) BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) WARNING LIGHTS TYPE A DAYS	DURATION	
0010	RIVER STREET	4	408	1	102	2	204	102	DAYS
	RACINE STREET	2	204	0	0	0	0	102	DAYS
	S. FRANKLIN STREET	7	714	0	0	0	0	102	DAYS
	W. HOLMES STREET	0	0	8	816	10	1,020	102	DAYS
	PROJECT TOTALS		**1,326**		**918**		**1,224**		

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	LOCATION	(643.0920) EACH
0010	OVERHEAD SIGN SUPPORT W. COURT STREET	1
	RIVER STREET - EAST OF W. RACINE STREET (BIKE DETOUR)	1
	PROJECT TOTAL	**2**

PAVEMENT MARKING

CATEGORY	STATION	TO STATION	(646.0106) PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	(646.0116) PAVEMENT MARKING EPOXY 6-INCH WHITE LF	(646.0126) PAVEMENT MARKING EPOXY 8-INCH WHITE LF	(647.0766) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH LF	(647.0556) PAVEMENT MARKING STOP LINE EPOXY 12-INCH LF	(647.0576) PAVEMENT MARKING STOP LINE EPOXY 24-INCH LF
0010	11+89	16+25	955	1,105	-	320	5	25
	16+25	17+25	245	130	-	130	15	-
	17+25	19+50	510	675	-	-	-	-
	19+50	20+50	250	125	-	130	20	-
	20+50	22+75	450	670	-	-	-	-
	22+75	23+75	95	140	-	200	15	-
	23+75	26+25	500	745	-	-	-	-
	26+25	27+75	160	340	-	245	21	-
	27+75	29+25	300	450	-	-	-	-
	29+25	30+50	95	190	-	215	21	-
	30+50	33+75	510	565	5	360	-	80
	PROJECT TOTALS		**4,070**	**5,135**	**5**	**1,600**	**97**	**105**

TEMPORARY CROSSWALK ACCESS

CATEGORY	LOCATION	NO. CROSSWALKS	DURATION DAYS	(SPV.0045.01) DAYS
0010	WEST RACINE STREET	2	102	204
	UNION STREET	1	102	102
	ROCK STREET	1	102	102
	WEST HOLMES STREET	2	102	204
	WEST VAN BUREN STREET	1	102	102
	MCKINLEY STREET	2	102	204
	WEST COURT STREET	2	102	204
	PROJECT TOTAL			**1,122**

PAVEMENT MARKING ARROWS, SYMBOLS & WORDS

CATEGORY	DESCRIPTION	(647.0166) PAVEMENT MARKING ARROWS EPOXY TYPE 2 EACH	(647.0206) PAVEMENT MARKING ARROWS BIKE LANE EPOXY EACH	(647.0306) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY EACH	(647.0356) PAVEMENT MARKING WORDS EPOXY EACH
0010	WEST RACINE STREET INTERSECTION	-	1	1	-
	CITY OF JANESVILLE PARKING LOT (300 RIVER STREET)	-	-	-	-
	UNION STREET INTERSECTION	-	2	2	-
	ROCK STREET INTERSECTION	-	2	2	-
	WEST HOLMES STREET INTERSECTION	-	2	2	-
	WEST VAN BUREN STREET INTERSECTION	-	2	2	-
	McKINLEY STREET INTERSECTION	-	1	1	-
	WEST COURT STREET INTERSECTION	2	2	2	1
	PROJECT TOTALS	**2**	**12**	**12**	**1**

PERENNIALS

CATEGORY	STATION	TO STATION	(SPV.0060.01) BIG BLUESTEM, CG, 3" PLUG (AG) EACH	(SPV.0060.02) ANEMONE, CANADA, CG, 3" PLUG (AC) EACH	(SPV.0060.03) MILKWEED, MARSH, CG, 3" PLUG (AL) EACH	(SPV.0060.04) MILKWEED, BUTTERFLY, CG, 3" PLUG (AS) EACH	(SPV.0060.05) ASTER, NEW ENGLAND, CG, 3" PLUG (AN) EACH	(SPV.0060.06) ASTER, RED-STEMMED, CG, 3" PLUG (AP) EACH	(SPV.0060.07) RUSH, SCOURING, CG, 3" PLUG (E) EACH	(SPV.0060.08) JOE PYE WEED, CG, 3" PLUG (EM) EACH	(SPV.0060.09) BONESET, CG, 3" PLUG (EP) EACH	(SPV.0060.10) SNEEZEWEED, CG, 3" PLUG (HA) EACH	(SPV.0060.11) BLAZINGSTAR, PRAIRIE, CG, 3" PLUG (LP) EACH
0010	16+00	20+00	1,120	225	225	225	225	225	225	225	225	225	225
PROJECT TOTALS			**1,120**	**225**	**225**	**225**	**225**	**225**	**225**	**225**	**225**	**225**	**225**

PERENNIALS CONT.

CATEGORY	STATION	TO STATION	(SPV.0060.12) LOBELIA, BLUE, CG, 3" PLUG (LS) EACH	(SPV.0060.13) BEEBALM, CG, 3" PLUG (MF) EACH	(SPV.0060.14) SWITCHGRASS, CG, 3" PLUG (PV) EACH	(SPV.0060.15) OBEDIENT PLANT, CG, 3" PLUG (PH) EACH	(SPV.0060.16) MINT, MOUNTAIN, CG, 3" PLUG (PY) EACH	(SPV.0060.17) BLACK EYED SUSAN, CG, 3" PLUG (RH) EACH	(SPV.0060.18) BLACK EYED SUSAN SWEET, CG, 3" PLUG (RS) EACH	(SPV.0060.19) GOLDENROD, STIFF, CG, 3" PLUG (SO) EACH	(SPV.0060.20) CORDGRASS, PRAIRIE, CG, 3" PLUG (SP) EACH	(SPV.0060.21) SPIDERWORT, OHIO, CG, 3" PLUG (TO) EACH	(SPV.0060.22) IRONWEED, CG, 3" PLUG (VF) EACH
0010	16+00	20+00	225	225	1350	225	225	225	225	225	750	225	225
PROJECT TOTALS			**225**	**225**	**1,350**	**225**	**225**	**225**	**225**	**225**	**750**	**225**	**225**

TREES

CATEGORY	STATION	TO STATION	(632.0101.01) MAPLE, SIENNA GLEN, B&B, 2-1/2 INCH CAL (AF) EACH	(632.0101.02) HORSE CHESTNUT, BAUMAN, B&B, 2-1/2 INCH CAL (AH) EACH	(632.0101.03) HACKBERRY, WINDY CITY, B&B, 2-1/2 INCH CAL (CO) EACH	(632.0101.04) GINKGO, PRINCETON SENTRY, B&B, 2-1/2 INCH CAL (GB) EACH	(632.0101.05) HONEYLOCUST, SKYLINE, B&B, 2 INCH CAL (GT) EACH	(632.0101.06) PLANETREE, MORTON CIRCLE EXCLAMATION, B&B, 2 INCH CAL (PA) EACH	(632.0101.07) OAK, REGAL PRINCE, B&B, 2 INCH CAL (QW) EACH	(632.0101.08) AMERICAN ELM, NEW HARMONY, B&B, 2 INCH CAL (UA) EACH	(632.0101.09) HOPHORNBEAM, EUROPEAN, B&B, 1-1/4 INCH CAL (CB) EACH	(632.0101.10) CRABAPPLE, PRAIRIE FIRE, CG, 6 FT HT (MP) EACH	(632.0101.11) CRABAPPLE, SUGAR TYME, CG, 6 FT HT (MS) EACH	(632.0101.12) JAPANESE TREE LILAC, IVORY SILK, CG, 6 FT HT (SR) EACH
0010	12+00	16+00	1	3	2	-	3	-	-	-	1	2	3	-
	16+00	20+00	4	3	1	1	1	3	2	5	-	5	3	1
	20+00	28+00	1	-	1	4	1	-	3	-	3	-	-	-
	28+00	33+00	1	-	1	2	-	-	-	-	3	2	3	1
PROJECT TOTALS			**7**	**6**	**5**	**7**	**5**	**3**	**5**	**5**	**7**	**9**	**9**	**2**

GRAVEL MULCH

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0180.02) SY
0010	15+10	15+32	LT	11
	15+37	15+58	LT	11
PROJECT TOTAL				**22**

SHREDDED HARDWOOD BARK MULCH

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0180.01) SY
0010	16+43	18+24	RT	357
	18+75	20+04	RT	631
PROJECT TOTAL				**988**

SHOVEL CUT BED EDGE

CATEGORY	STATION	TO STATION	(SPV.0090.02) LF	NOTES
0010	16+00	20+00	400	BASIN 1
	16+00	20+00	300	BASIN 2
PROJECT TOTAL			**700**	

SEEDING

CATEGORY	STATION	(SPV.0085.01) SEED MIX 70 LB	(SPV.0085.02) NURSE CROP LB
0010	16+35-20+25	4	5
PROJECT TOTAL		**4**	**5**

IN-GROUND PICNIC TABLE

CATEGORY	STATION	LOCATION	(SPV.0060.33) EACH
0010	100+44	13' RT	1
	104+32	17.5' RT	1
PROJECT TOTAL			**2**

ENGINEERED SOIL

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0035.01) CY
0010	16+43	18+24	RT	358
	18+75	20+04	RT	273
PROJECT TOTAL				**631**

RELOCATE KIWANIS TRAIL MARKER POST

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0060.23) EACH
0010	18+84	29' RT	20+37	26' RT	1
PROJECT TOTAL					**1**

BENCH

CATEGORY	STATION	LOCATION	(SPV.0060.32) EACH
0010	101+69	4' LT	1
	103+35	4' LT	1
	104+80	4' LT	1
PROJECT TOTAL			**3**

RAIN GARDEN EXCAVATION

CATEGORY	LOCATION	(SPV.0035.02) CY
0010	RAIN GARDEN	100
PROJECT TOTAL		**100**

STREET LIGHTING ITEMS

CATEGORY	POLE NO.	FROM STATION	LOCATION	STATION	LOCATION	* (204.0195) REMOVING CONCRETE BASES EACH	(SPV.0060.41) REMOVING ROADWAY LIGHT POLE EACH	(SPV.0060.42) RELOCATE PEDESTRIAN LIGHT EACH	(SPV.0060.40) REMOVE AND REPLACE PEDESTRIAN LUMINAIRE EACH	(204.9060.S.01) REMOVING LUMINAIRE AND MAST ARM EACH	(SPV.0060.35) CONCRETE BASE TYPE 3 SPECIAL EACH	(SPV.0060.39) PEDESTRIAN LIGHT EACH	(SPV.0060.36) ROADWAY LIGHT POLE EACH	(SPV.0060.38) DECORATIVE MAST ARM EACH	(SPV.0060.37) DECORATIVE LUMINAIRIE EACH
0010	LP-1	-	-	12+24	30.0' RT	-	-	-	-	-	1	-	1	1	1
	LP-2	-	-	14+50	20.5' RT	-	-	-	-	-	1	-	1	1	1
	LP-3	-	-	17+10	20.5' RT	-	-	-	-	-	1	-	1	1	1
	LP-4	-	-	20+35	20.5' RT	-	-	-	-	-	1	-	1	1	1
	LP-5	-	-	23+58	25.5' RT	-	-	-	-	-	1	-	1	1	1
	LP-6	27+06	31.5' RT	26+92	23.5' RT	1	1	-	-	1	1	-	1	1	1
	LP-7	-	-	26+68	24.0' RT	-	-	-	1	-	-	-	-	-	-
	LP-8	-	-	28+44	24.5' RT	-	-	-	1	-	-	-	-	-	-
	LP-9	-	-	29+21	24.5' RT	-	-	-	1	-	-	-	-	-	-
	LP-10	-	-	29+99	29.5' RT	-	-	-	1	-	-	-	-	-	-
	LP-11	31+07	35' RT	31+08	31.5' RT	1	1	-	-	1	1	-	1	1	1
	LP-12	31+98	30' RT	31+97	31.5' RT	-	-	1	1	-	-	-	-	-	-
	LP-14	103"R"+03	15' LT	103"R"+20	3.0' LT.	-	-	1	-	-	-	-	-	-	-
	LP-15	-	-	104"R"+50	3.0' LT.	-	-	-	-	-	-	1	-	-	-
	SB6	-	-	32+86.4	22.2' LT.	1	1	-	-	1	1	-	1	1	1
				PROJECT TOTALS		**3**	**3**	**2**	**5**	**3**	**8**	**1**	**8**	**8**	**8**

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONDUIT & ELECTRICAL WIRE

CATEGORY	DESCRIPTION	TO DESCRIPTION	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	(652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	(652.0340) CONDUIT RIGID NONMETALLIC SCHEDULE 80 4-INCH LF	(655.0615) ELECTRICAL WIRE LIGHTING 10 AWG LF	(655.0625) ELECTRICAL WIRE LIGHTING 6 AWG LF
0010	LP-1	LP-2	185	50	-	240	720
	LP-2	LP-3	225	40	-	270	810
	LP-3	LP-4	330	-	-	335	1005
	LP-4	LP-5	110	220	-	335	1005
	LP-5	MBP-1	5	-	-	10	30
	LP-15	LP-14	125	10	-	140	420
	LP-14	EXISTING	80	-	-	125	375
	MBP-1	PB-2	-	-	5	5	15
	PB-2	EXISTING	-	-	78	83	249
	MBP-1	LP-6	295	40	-	340	1020
	LP-6	PB-5	250	75	-	330	990
	PB-5	LP-11	55	45	-	105	315
	PROJECT TOTALS		**1,660**	**480**	**83**	**2,318**	**6,954**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

RELOCATE PULL BOX

CATEGORY	FROM LOCATION	LOCATION	TO STATION	LOCATION	(SPV.0060.44) EACH
0010	103+03	15' LT	103+21	2' LT	1
		PROJECT TOTAL			**1**

ELECTRICAL PULL BOX TYPE SPECIAL

CATEGORY	PULL BOX NUMBER	STATION	LOCATION	(SPV.0060.43) EACH
0010	PB-2	23+59	23.5' RT	1
	PB-6	30+14	22.5' RT	1
		PROJECT TOTAL		**2**

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	STATION	LOCATION	(656.0200.01) LS
0010	23+60	25.5' RT	1
		PROJECT TOTAL	**1**

3

3

REMOVE WIRE AND CABLE FROM

TRAFFIC SIGNAL REMOVALS

CATEGORY		STATION	LOCATION	* (204.0195) REMOVING CONCRETE BASES EACH	(653.0905) REMOVING PULL BOXES EACH	(SPV.0105.01) REMOVING WIRE FROM EXISTING CONDUIT LS
0010	**RIVER STREET & COURT STREET**			-	-	1
		32+84	27.0' RT	1	-	-
		33+01	34.2' LT	1	-	-
		32+88	29.5' RT	-	1	-
		32+83	23.8' LT	-	1	-
	PROJECT TOTALS			**2**	**2**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CABLE TRAFFIC SIGNAL

CATEGORY	FROM	TO	(655.0210) 3-14 AWG LF	(655.0230) 5-14 AWG LF	(655.0270) 15-14 AWG LF
0010	**RIVER STREET & COURT STREET**				
	CB	EXSB2	-	-	83
	CB	EXSB3	-	-	96
	CB	EXSB4	-	-	174
	CB	SB5	-	-	168
	CB	SB6	-	-	133
	CB	SB7	-	-	91
	UNDISTRIBUTED		36	38	-
	PROJECT TOTALS		**36**	**38**	**745**

LIGHTING CABLE

CATEGORY	FROM	TO	(655.0310) CABLE TYPE UF 2-12 AWG L.F.
0010	**RIVER STREET & COURT STREET**		
	CB	SB6	133
	PROJECT TOTALS		**133**

PULL BOXES STEEL

CATEGORY	NUMBER	STATION	LOCATION	(653.0135) 24X36-INCH EACH	(653.0140) 24X42-INCH EACH
0010	**RIVER STREET & COURT STREET**				
	SPB1	32+88.5	30.2' RT	-	1
	SPB2	32+67	32.0' RT	1	-
	SPB3	32+77	20.0' LT	-	1
	SPB4	33+00	39.8' LT	-	1
	PROJECT TOTALS			**1**	**3**

CONDUIT RIGID NONMETALLIC

CATEGORY	FROM	TO	* (652.0225) SCHEDULE 40 2-INCH LF	(652.0235) SCHEDULE 40 3-INCH LF	(652.0335) SCHEDULE 80 3-INCH LF	NOTES
0010	**RIVER STREET & COURT STREET**					
	SPB1	SB5	12	-	-	
	SPB1	SPB2	22	-	-	
	SPB1	SPB3	-	-	53	
	SPB3	SB6	12	-	-	
	SPB3	SPB4	-	28	-	
	SPB4	SB7	4	-		
	PROJECT TOTALS		**50**	**28**	**53**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE BASES TYPE I

CATEGORY		STATION	LOCATION	(654.0101) EACH
0010	**RIVER STREET & COURT STREET**			
	SB5	32+76.4	30.9' RT	1
	SB7	32+97.7	36.8' LT	1
	PROJECT TOTAL			**2**

REMOVE AND REINSTALL TRAFFIC SIGNAL

CATEGORY	NUMBER	FROM STATION	FROM LOCATION	TO STATION	TO LOCATION	(SPV.0060.45) EACH
0010	**RIVER STREET & COURT STREET**					
	SB5	32+84	27.0' RT	32+76.4	30.9' RT	1
	SB7	33+01	34.2' LT	32+97.7	36.8' LT	1
				PROJECT TOTAL		**2**

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	(655.0515) GROUNDING CONDUCTOR (WHITE) LF	(655.0515) EQUIPMENT GROUNDING CONDUCTOR (GREEN) LF
0010	**RIVER STREET & COURT STREET**			
	CB	EXSB1	6	6
	EXSB1	EXSB2	82	82
	EXSB2	EXSB3	29	29
	EXSB3	EXSB4	114	114
	EXSB4	SB5	42	42
	SB5	SB6	93	93
	SB6	SB7	61	61
	SB7	CB	90	90
	SB1	EXPB1	-	11
	SB2	EXPB2	-	4
	SB5	SPB1	-	14
	SB6	SPB3	-	14
	SB7	SPB4	-	6
	SUBTOTALS		517	566
	PROJECT TOTAL			**1,083**

LOOP DETECTORS

CATEGORY	LOOP NUMBER	STATION	OFFSET	SIZE	NUMBER OF TURNS	(652.0800) CONDUIT LOOP DETECTOR LF	(655.0800) LOOP DETECTOR WIRE LF
0010	**RIVER STREET & COURT STREET**						
	41	32+63	6.0' RT	6x20	3	98	294
	42	32+63	20.0' RT	6x20	2	72	144
	43	32+91	6.0' RT	6x20	2	100	200
	44	32+91	20.0' RT	6x20	3	74	222
			PROJECT TOTALS			**344**	**860**

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
5990-00-23		
FEDERAL PROJECT NUMBER N/A	4.1	5

PLAT OF RIGHT-OF-WAY REQUIRED FOR

CITY OF JANESVILLE, RIVER STREET
(WEST RACINE STREET-WEST COURT STREET)

LOCAL STREET — ROCK COUNTY

CONSTRUCTION PROJECT NUMBER
5990-00-78

CONVENTIONAL ABBREVIATIONS

		CURVE DATA	
BUILDING	BLDG	LONG CHORD	LC
CERTIFIED SURVEY MAP	CSM	RADIUS	R
DOCUMENT	DOC.	DEGREE OF CURVE	D
PAGE	P.	CENTRAL ANGLE OR DELTA	Δ
PERMANENT LIMITED EASEMENT	PLE	LENGTH OF CURVE	L
PROPERTY LINE	PL	TANGENT	T
RIGHT-OF-WAY	R/W	POINT OF CURVATURE	PC
SECTION	SEC.	POINT OF INTERSECTION	PI
STATION	STA.	POINT OF TANGENCY	PT
TEMPORARY LIMITED EASEMENT	TLE		
VOLUME	V.		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN
TYPE 2 R/W MONUMENT (SET)
FEE (HATCH VARIES)
PERMANENT LIMITED EASEMENT (PLE)
TEMPORARY LIMITED EASEMENT (TLE)
PARCEL NUMBER
R/W, PLE, TLE POINT
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING R/W LINE
EXISTING EASEMENT
PROPERTY LINE
CORPORATE LIMITS
PROPOSED R/W LINE
PLE LINE
TLE LINE
SLOPE INTERCEPTS/TIES
EXISTING CENTERLINE

END RELOCATION
ORDER STA. 25+68.30
Y = 267682.50
X = 493500.83

BEGIN RELOCATION
ORDER STA. 12+62.61
Y = 266665.95
X = 494315.72

GN

LAYOUT
SCALE 0 500 FT. 1000 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.367 MI.

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, ROCK COUNTY ZONE, NAD 83 (2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

TYPE 2 RIGHT-OF-WAY MONUMENTS WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. A CROSS PLACED WITH A GRINDING WHEEL WILL BE SUBSTITUTED FOR A TYPE 2 MONUMENT AT ANY LOCATION WHERE CONCRETE PREVENTS A TYPE 2 MONUMENT FROM BEING SET.

PLATTED RIGHT-OF-WAY, LEGAL DESCRIPTIONS, AND THE BEARINGS AND DISTANCES THEREIN ARE BASED ON ORIGINAL PLATS OF THE CITY OF JANESVILLE (RAILROAD ADDITION TO THE CITY OF JANESVILLE, RAILROAD SECOND ADDITION TO THE CITY OF JANESVILLE, AND SMITH, BAILEY & STONE'S ADDITION TO THE CITY OF JANESVILLE) AND OTHER SURVEYS OF RECORD AND AIDED BY FIELD SURVEY OF MONUMENTED PROPERTY CORNERS, OCCUPATION, AND EVIDENCE OF POSSESSION. REFERENCES TO SECTIONS OF THE PUBLIC LAND SURVEY ARE APPROXIMATE AND DERIVED FROM CITY OF JANESVILLE ENGINEERING MAPS.

REVISION DATE

ACCEPTED FOR

CITY of JANESVILLE

10/23/12 (Date) — (Director of Public Works)

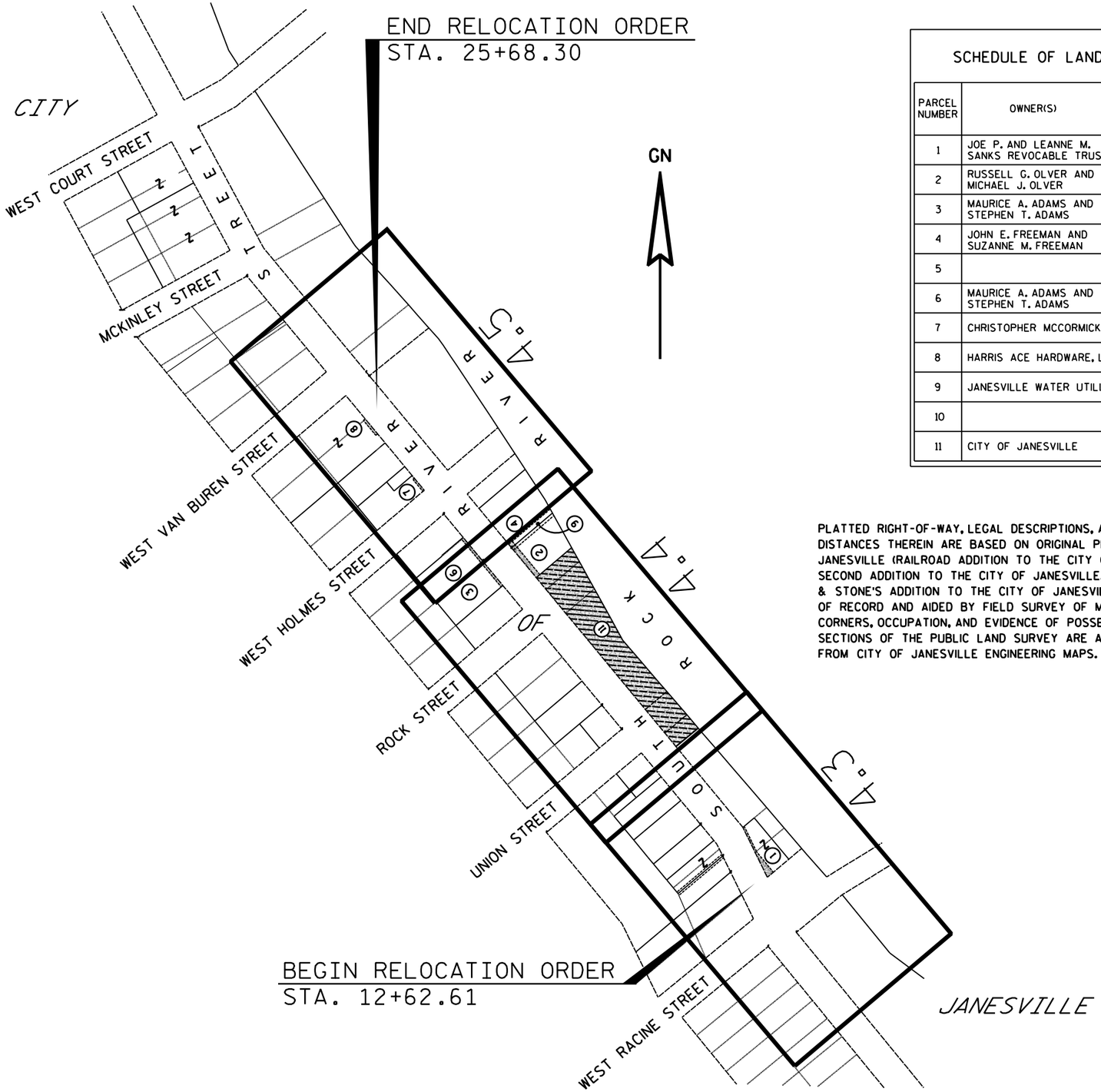
ORIGINAL PLAT PREPARED BY

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

WISCONSIN
DANIEL R. HIGGS
S-2878
MADISON
WI
LAND SURVEYOR

AUGUST 23, 2012 (Date) — Daniel R. Higgs (Registered Land Surveyor)

PLAT01.dgn 10/19/2012 4:26:53 PM dhiggs



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TEMPORARY TRANSFER OF LAND INTERESTS TO THE CITY OF JANESVILLE.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	EXISTING R/W	NEW R/W (FEE)	TOTAL R/W	PERMANENT LIMITED EASEMENT (PLE)	TEMPORARY LIMITED EASEMENT (TLE)	SHEET NO.
1	JOE P. AND LEANNE M. SANKS REVOCABLE TRUST	TLE	--	--	--	--	791 SF	4.3
2	RUSSELL G. OLVER AND MICHAEL J. OLVER	TLE	--	--	--	--	830 SF	4.4
3	MAURICE A. ADAMS AND STEPHEN T. ADAMS	TLE	--	--	--	--	332 SF	4.4
4	JOHN E. FREEMAN AND SUZANNE M. FREEMAN	TLE	--	--	--	--	97 SF	4.4 & 4.5
5								
6	MAURICE A. ADAMS AND STEPHEN T. ADAMS	TLE	--	--	--	--	338 SF	4.4 & 4.5
7	CHRISTOPHER MCCORMICK	TLE	--	--	--	--	140 SF	4.5
8	HARRIS ACE HARDWARE, LLP	TLE	--	--	--	--	209 SF	4.5
9	JANESVILLE WATER UTILITY	TEMPORARY RELEASE OF RIGHTS	--	--	--	--	--	4.4
10								
11	CITY OF JANESVILLE	PLE	--	--	--	32,362 SF	--	4.4

PLATTED RIGHT-OF-WAY, LEGAL DESCRIPTIONS, AND THE BEARINGS AND DISTANCES THEREIN ARE BASED ON ORIGINAL PLATS OF THE CITY OF JANESVILLE (RAILROAD ADDITION TO THE CITY OF JANESVILLE, RAILROAD SECOND ADDITION TO THE CITY OF JANESVILLE, AND SMITH, BAILEY & STONE'S ADDITION TO THE CITY OF JANESVILLE) AND OTHER SURVEYS OF RECORD AND AIDED BY FIELD SURVEY OF MONUMENTED PROPERTY CORNERS, OCCUPATION, AND EVIDENCE OF POSSESSION. REFERENCES TO SECTIONS OF THE PUBLIC LAND SURVEY ARE APPROXIMATE AND DERIVED FROM CITY OF JANESVILLE ENGINEERING MAPS.

R/W POINT	STATION	OFFSET	Y	X
1	13+06.86	36.50 L	266689.66	494263.48
2	13+46.56	36.43 L	266724.45	494246.43
3	14+37.34	36.50 L	266792.35	494198.82
4	17+02.94	36.50 L	266996.98	494029.51
5	17+70.01	36.50 L	267048.65	493986.75
6	21+53.99	29.50 R	267386.57	493792.82
7	21+70.06	36.50 L	267356.87	493731.73
8	23+04.62	34.26 L	267459.19	493647.07
9	26+33.80	36.50 R	267756.23	493487.16

TLE POINT	STATION	OFFSET	Y	X
201	12+62.61	29.54 R	266678.93	494342.25
202	13+78.10	32.06 R	266785.95	494289.78
203	13+78.50	35.64 R	266788.27	494292.54
204	13+21.78	32.99 R	266733.60	494319.35
205	12+66.65	45.87 R	266689.74	494355.15
206	20+70.98	29.50 R	267322.61	493845.74
207	21+63.73	29.50 R	267394.07	493786.61
208	21+63.86	39.50 R	267400.55	493794.23
209	21+54.12	39.50 R	267393.04	493800.44
210	20+71.11	39.50 R	267329.09	493853.36
211	21+03.66	36.50 L	267305.72	493774.05
212	21+03.59	41.50 L	267302.48	493770.24
213	21+69.99	41.50 L	267353.63	493727.92
214	22+37.64	41.50 L	267405.76	493684.79
215	22+37.71	36.50 L	267408.99	493688.60
216	23+70.53	30.67 L	267510.23	493605.22
217	23+70.68	34.67 L	267507.64	493602.18
218	24+01.94	33.50 L	267533.01	493581.16
219	24+01.94	30.50 L	267534.93	493583.47
220	24+10.07	30.50 L	267541.19	493578.28
221	24+10.08	29.50 L	267541.84	493579.04
222	25+26.38	29.50 L	267631.40	493504.85
223	25+26.39	34.50 L	267628.21	493501.00
224	25+68.18	34.50 L	267660.40	493474.34
225	25+68.30	29.50 L	267663.68	493478.11

REVISION DATE	DATE	SCALE, FEET 0 125' 250'	HWY: RIVER STREET	STATE R/W PROJECT NUMBER 5990-00-23	PLAT SHEET 4.2	
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-78	PS&E SHEET	E

WISDOT/CADDS SHEET 75

PLAT02.dgn 10/30/2012 3:33:38 PM jdolens

BEGIN RELOCATION
ORDER STA. 12+62.61
Y = 266665.95
X = 494315.72

P.I.= STA. 11+29.09
Y = 266545.69
X = 494374.55
Δ.= 13°18'07" R
T.= 39.59'
L.= 78.82'
R.= 339.50'
P.C.= STA. 10+89.50
Y = 266515.09
X = 494399.66
P.T.= STA. 11+68.32
Y = 266581.25
X = 494357.15

P.I.= STA. 13+78.02
Y = 266769.62
X = 494265.00
Δ.= 13°32'12" L
T.= 40.35'
L.= 80.33'
R.= 340.00'
P.C.= STA. 13+37.67
Y = 266733.37
X = 494282.73
P.T.= STA. 14+18.00
Y = 266800.71
X = 494239.28

REVISION DATE	DATE	SCALE: FEET 0 20' 40'	HWY: RIVER STREET	STATE R/W PROJECT NUMBER 5990-00-23	PLAT SHEET 4.3
	GRID FACTOR N/A		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-78	PS&E SHEET E

WISDOT/CADDS SHEET 75

PLAT03.dgn 10/30/2012 3:33:40 PM jdolens

CITY

RAILROAD SECOND ADDITION TO THE CITY OF JANESVILLE

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

66' R/W

CITY OF JANESVILLE

ALLIANT

UNION STREET

EXISTING R/W

ROCK STREET

SARA POPIK

LOT 1

RICHARD M. DONAHUE AND MARY M. DONAHUE

LOT 28

SCOTT G. PORTER

LOT 27

LOT 26

LOT 25

JOSEPH R. SHELDON

LOT 24

MAURICE A. ADAMS AND STEPHEN T. ADAMS

LOT 23

LOT 22

BLDG

PL

SLOPE INTERCEPTS

TLE FOR STREET AND SIDEWALK RECONSTRUCTION 332 SF

TLE FOR STREET AND SIDEWALK RECONSTRUCTION 338 SF

MATCH LINE STA. 16+00

MATCH LINE STA. 22+00

17+00

18+00

19+00

20+00

21+00

22

RIVER STREET

EXISTING R/W

929.30'
N39°36'17"W

696.41'

VACATED STREET R/W
DOC.NO. 1727206

LOT 9

RAILROAD SECOND ADDITION TO THE CITY OF JANESVILLE

66' R/W

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

LOT 168

LOT 169

RUSSELL G. OLVER AND MICHAEL J. OLVER TO JANESVILLE

JOHN E. FREEMAN AND SUZANNE M. FREEMAN

JANESVILLE

BUSINESS SIGN ENCROACHMENT

16' WATERMAIN EASEMENT V.35 MISC., P.42

JANESVILLE WATER UTILITY

SLOPE INTERCEPTS

UNION STREET RIGHT-OF-WAY EAST OF SOUTH RIVER STREET TO BE VACATED

PLE FOR CONSTRUCTION AND MAINTENANCE OF A PATH AND STORMWATER MANAGEMENT FEATURES 30,080 SF

R O C K R I V E R

REVISION DATE	DATE	SCALE: FEET 0 20' 40'	HWY: RIVER STREET	STATE R/W PROJECT NUMBER 5990-00-23	PLAT SHEET 4.4
	GRID FACTOR N/A		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-78	PS&E SHEET E

WISDOT/CADDS SHEET 75

PLAT04.dgn 10/30/2012 3:33:41 PM jdolens

CITY

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

SMITH, BAILEY & STONE'S ADDITION TO JANESVILLE

66' R/W

WEST HOLMES STREET

WEST VAN BUREN STREET

RIVER STREET

ALLIANT

EXISTING R/W

BLDG

QUARTER LINE

(6) MAURICE A. ADAMS AND STEPHEN T. ADAMS

LOT 22

HEIDI P. COLBY

LOT 21

CITY OF JANESVILLE

(7) CHRISTOPHER MCCORMICK

LOT 20

MY BELLE AMIE, LLC

LOT 19

WILLIAM B. RIEMER AND ELIZABETH H. RIEMER

LOT 18

(8) HARRIS ACE HARDWARE, LLP

LOT 17

LOT 16

CITY OF JANESVILLE

RIVER STREET CORP.

LOT 15

(4) JOHN E. FREEMAN AND SUZANNE M. FREEMAN

LOT 169

THOMAS H. JONES

LOT 170

THOMAS H. JONES

LOT 171

CITY OF JANESVILLE

JANESVILLE

TLE FOR STREET AND SIDEWALK RECONSTRUCTION 140 SF

TLE FOR STREET AND SIDEWALK RECONSTRUCTION 338 SF

TLE FOR STREET AND SIDEWALK RECONSTRUCTION 209 SF

ROCK WALL ENCROACHMENT

RETAINING WALL ENCROACHMENT

BUSINESS SIGN ENCROACHMENT

BUILDING HVAC (AIR CONDITIONER UNIT) ENCROACHMENT

BUILDING HVAC (EXHAUST FAN) ENCROACHMENT

MATCH LINE STA. 22+00

MATCH LINE STA. 28+00

PI STA. 22+59.02

PI STA. 23+93.40

23+00

24+00

25+00

26+00

27+00

28

END RELOCATION ORDER STA. 25+68.30

Y = 267682.50

X = 493500.83

SLOPE INTERCEPTS TYP.

OF

VACATED STREET R/W V.18, P.417

WEST HOLMES STREET RIGHT-OF-WAY EAST OF SOUTH RIVER STREET TO BE VACATED

CITY OF JANESVILLE

NE-SW 36-3-12

SE-NW 36-3-12

SW-NE 36-3-12

NE-SW 36-3-12

ROCK RIVER

GN

4

4

REVISION DATE	DATE	SCALE, FEET	HWY: RIVER STREET	STATE R/W PROJECT NUMBER 5990-00-23	PLAT SHEET 4.5	
	GRID FACTOR N/A	0 20' 40'	COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-78	PS&E SHEET	E

WISDOT/CADDS SHEET 75

PLAT05.dgn 10/30/2012 3:33:43 PM jdolens

BEGIN PROJECT 5990-00-78
STA. 11+89.13
Y = 494,348.01
X = 266,599.94
CITY OF JANESVILLE
501 S. RIVER ST.

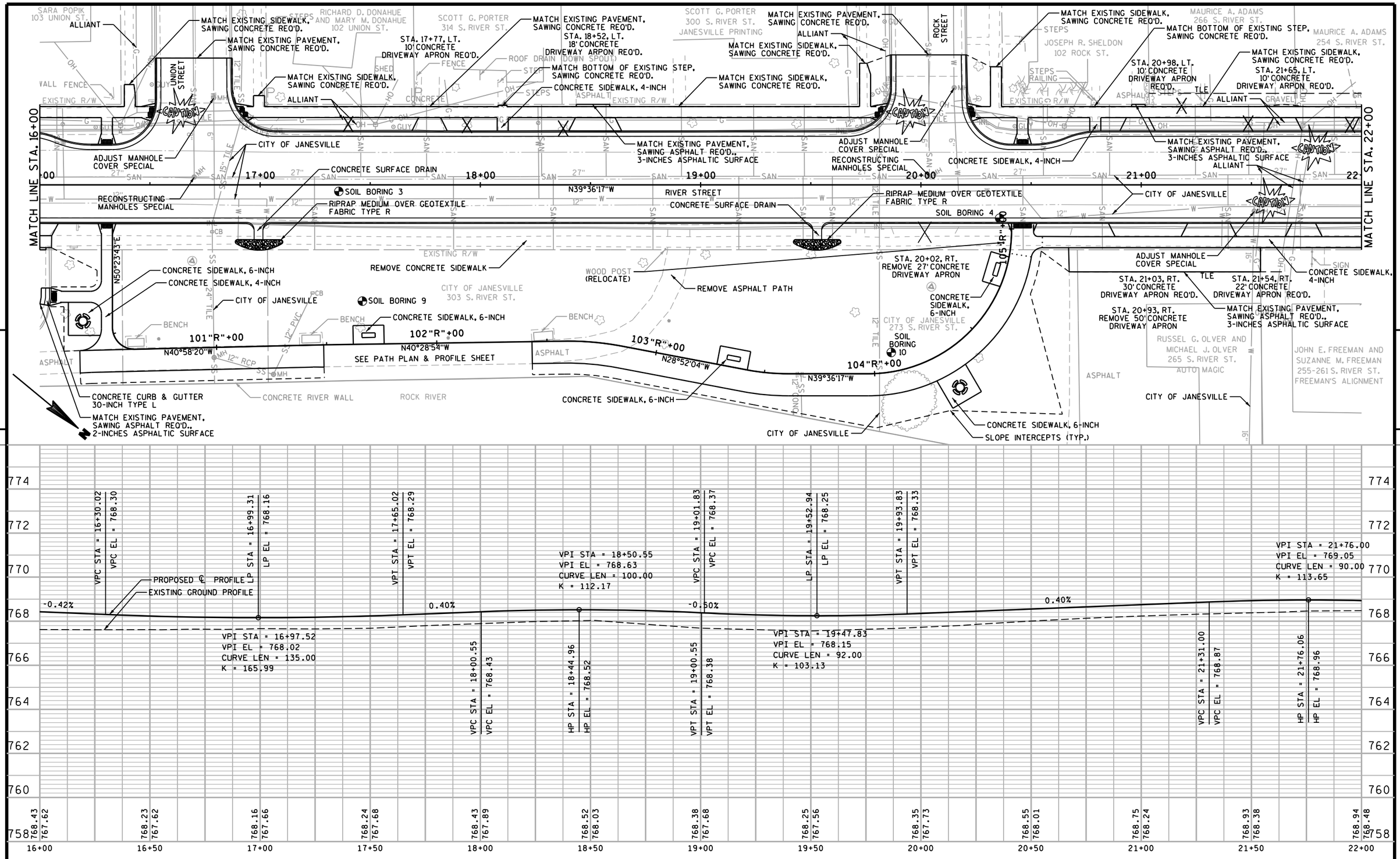
BOP STA = 10+00.00
Y = 494,456.43
X = 266,445.90
N39°22'12"W
PC STA = 10+89.50
PT STA = 11+68.32
P.I. = STA. 11+29.09
Y = 494,374.55
X = 266,545.69
Δ = 13°18'07"
T. = 39.59'
L. = 78.82'
R. = 339.50'
P.C. = STA. 10+89.50
P.T. = STA. 11+68.32

PC STA = 13+37.67
PT STA = 14+18.00
P.I. = STA. 13+78.02
Y = 494,265.00
X = 266,769.62
Δ = 13°32'12"
T. = 40.35'
L. = 80.33'
R. = 340.00'
P.C. = STA. 13+37.67
P.T. = STA. 14+18.00

MATCH LINE STA. 16+00

BOP STA = 11+89.00
BOP EL = 769.63
VPC STA = 12+03.29
VPC EL = 769.53
-0.84%
0.67%
VPI STA = 12+00.00
VPI EL = 769.55
CURVE LEN = 0.00
LP STA = 12+64.13
LP EL = 769.27
VPI STA = 12+48.29
VPI EL = 769.15
CURVE LEN = 90.00
K = 72.22
VPC STA = 12+94.63
VPC EL = 769.33
VPT STA = 12+93.29
VPT EL = 769.33
0.40%
VPI STA = 13+39.63
VPI EL = 769.52
CURVE LEN = 90.00
K = 109.60
HP STA = 13+38.88
HP EL = 769.42
VPT STA = 13+84.63
VPT EL = 769.33
-0.42%
PROPOSED ℄ PROFILE
EXISTING GROUND PROFILE

| | | |

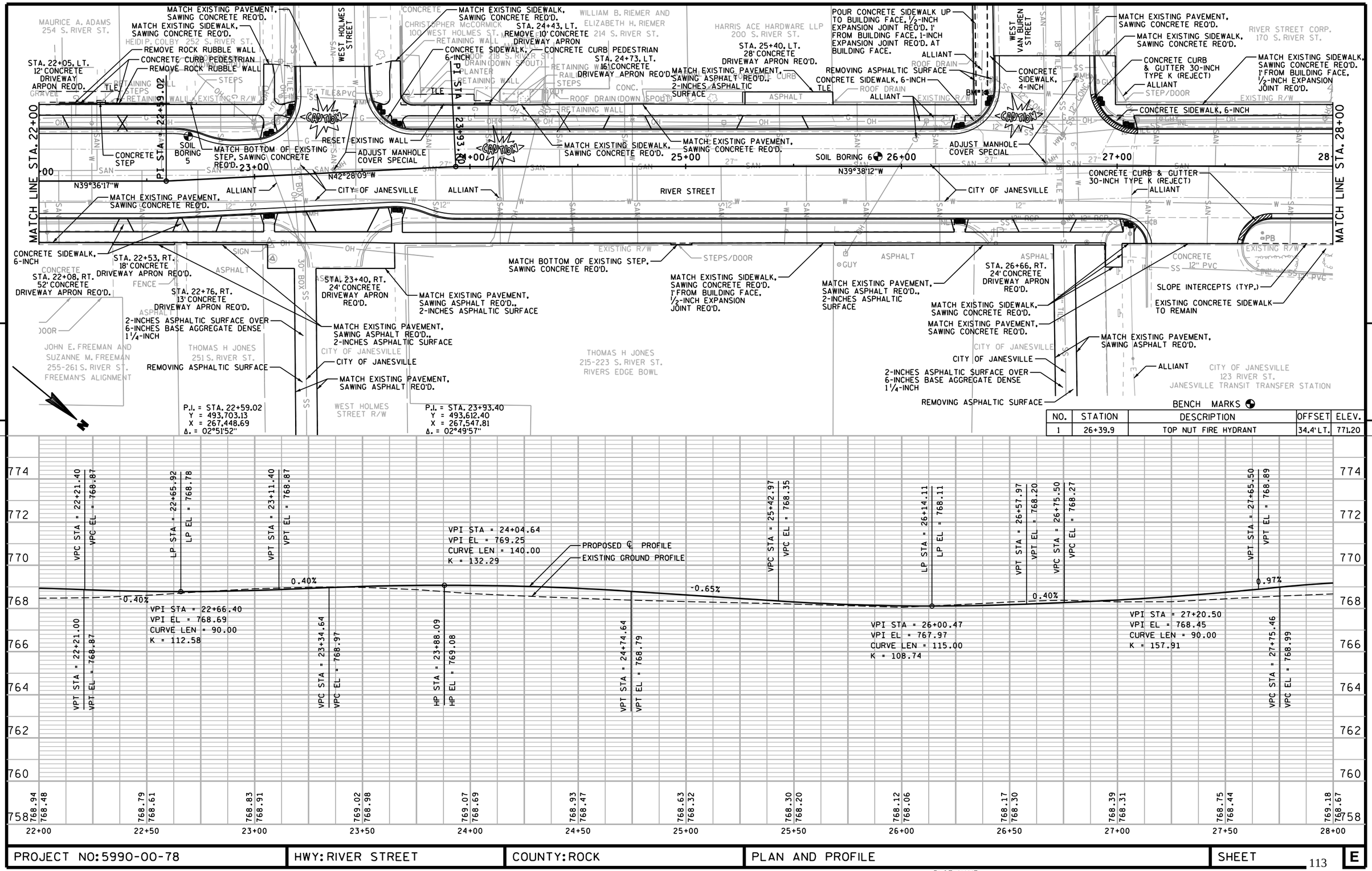


PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PLAN AND PROFILE	SHEET	E

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

WISDOT/CADDS SHEET 30

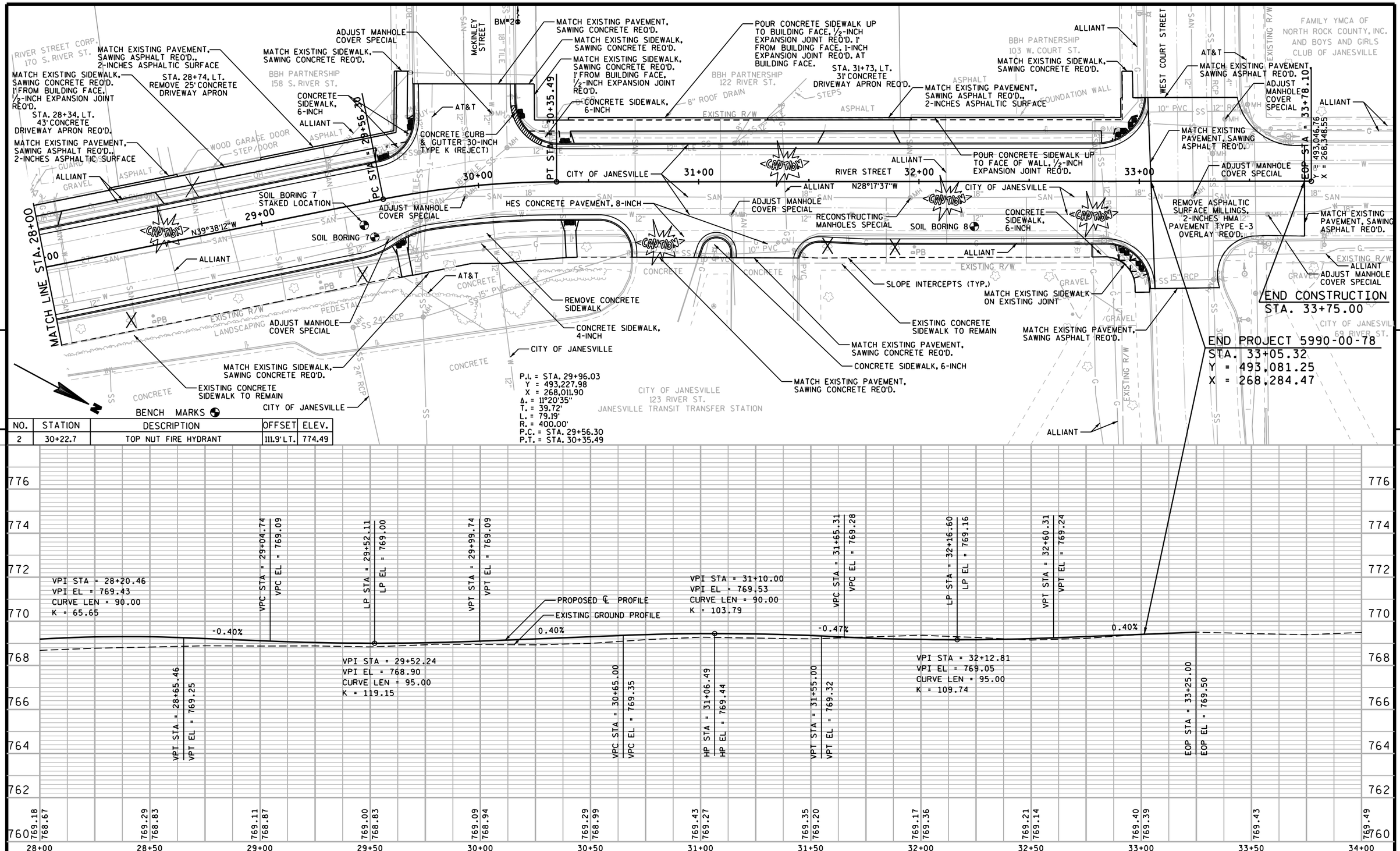
panp 02.dgn 10/30/2012 3:33:46 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PLAN AND PROFILE	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

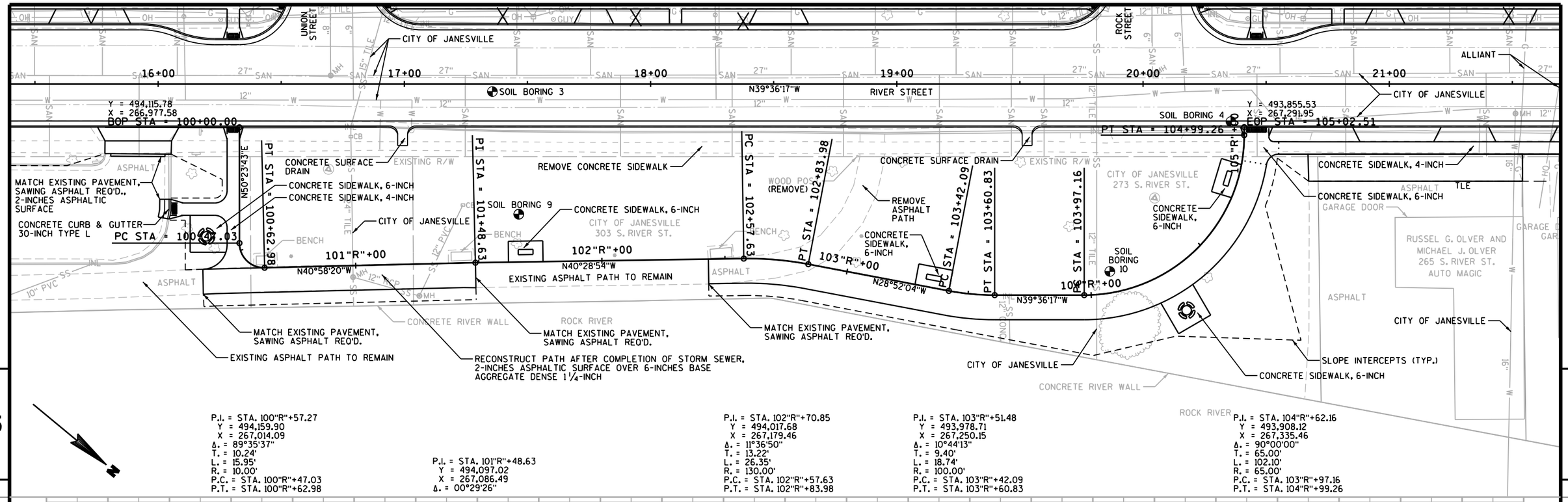
panp 03.dgn 10/30/2012 3:33:48 PM jdolens



PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | PLAN AND PROFILE | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

panp 04.dgn 10/30/2012 3:33:50 PM jdolens



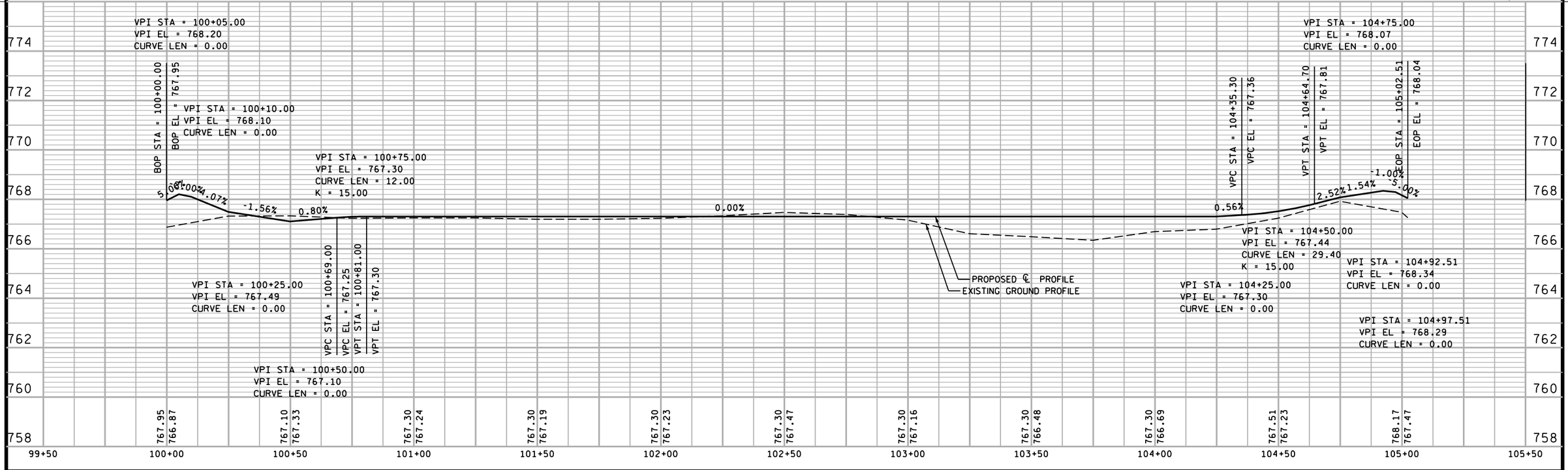
P.I. = STA. 100"R"+57.27
Y = 494,159.90
X = 267,014.09
Δ. = 89°35'37"
T. = 10.24'
L. = 15.95'
R. = 10.00'
P.C. = STA. 100"R"+47.03
P.T. = STA. 100"R"+62.98

P.I. = STA. 101"R"+48.63
Y = 494,097.02
X = 267,086.49
Δ. = 00°29'26"

P.I. = STA. 102"R"+70.85
Y = 494,017.68
X = 267,179.46
Δ. = 11°36'50"
T. = 13.22'
L. = 26.35'
R. = 130.00'
P.C. = STA. 102"R"+57.63
P.T. = STA. 102"R"+83.98

P.I. = STA. 103"R"+51.48
Y = 493,978.71
X = 267,250.15
Δ. = 10°44'13"
T. = 9.40'
L. = 18.74'
R. = 100.00'
P.C. = STA. 103"R"+42.09
P.T. = STA. 103"R"+60.83

P.I. = STA. 104"R"+62.16
Y = 493,908.12
X = 267,335.46
Δ. = 90°00'00"
T. = 65.00'
L. = 102.10'
R. = 65.00'
P.C. = STA. 103"R"+97.16
P.T. = STA. 104"R"+99.26



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	PLAN AND PROFILE - PATH	SHEET	E

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

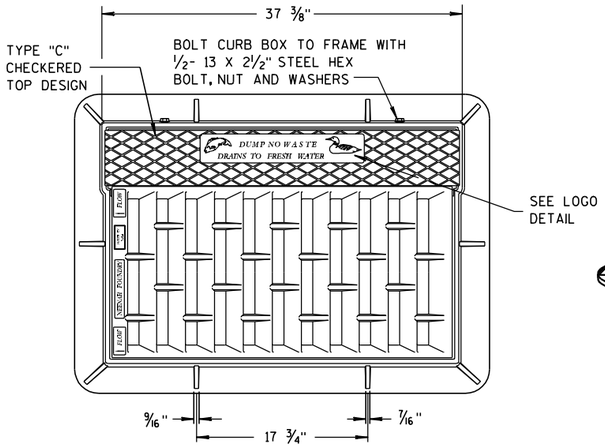
WISDOT/CADDS SHEET 30

panp 05.dgn 10/30/2012 3:33:52 PM jdolens

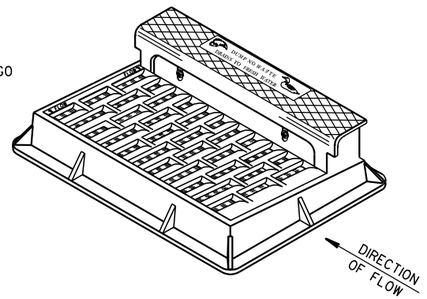
Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
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
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E03-04	NON-FREEWAY LIGHTING UNIT POLE WIRING
09F15-03B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
10A01-02	ELECTRICAL HANDHOLE WIRING
10A05-02	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES ISOLATED NEUTRAL SYSTEMS
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
14A02-01	TREE PLANTING DETAIL
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-14A	PAVEMENT MARKING (MAINLINE)
15C08-14B	PAVEMENT MARKING (INTERSECTIONS)
15C08-14E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-14F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C29-02C	URBAN BICYCLE LANE MARKING
15C29-02D	URBAN BICYCLE LANE MARKING
15C29-02E	PAVEMENT MARKING FOR BIKE LANES
15D20-01	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D22-01	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

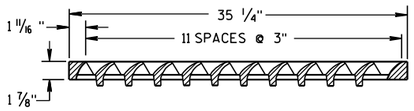
6

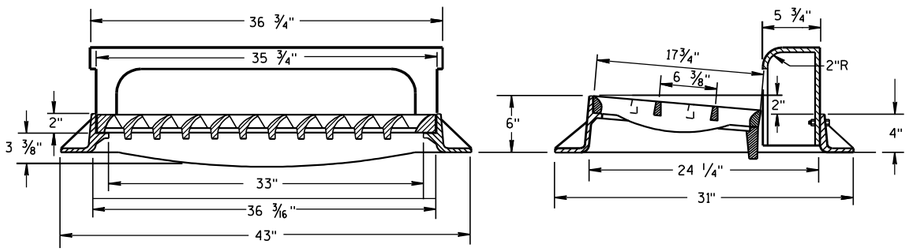


NOTE:
GRATE IS REVERSIBLE.



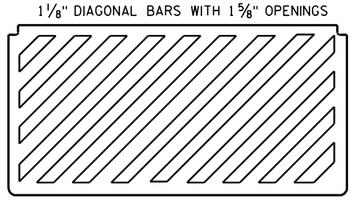
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

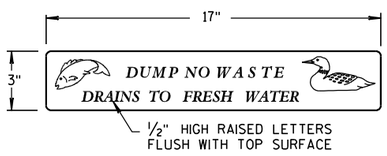
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



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

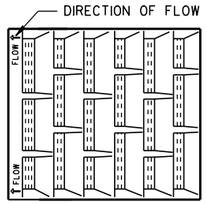
GENERAL NOTES

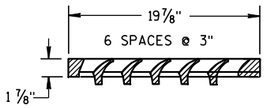
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

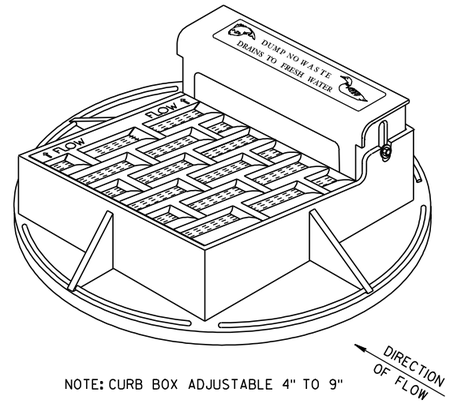
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

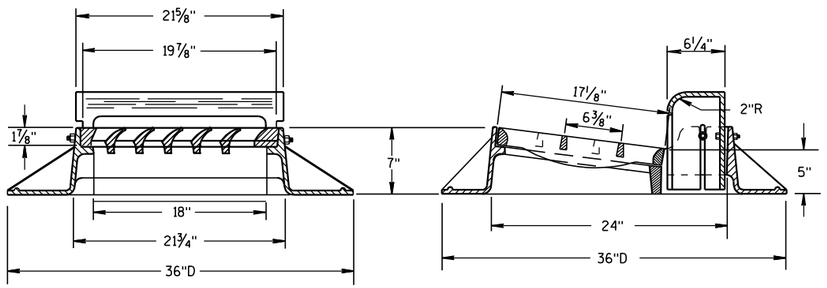
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





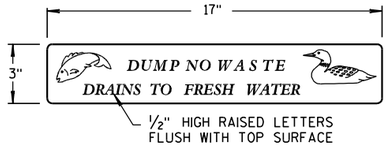


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



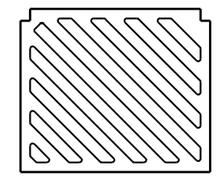
TYPE "A"

(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

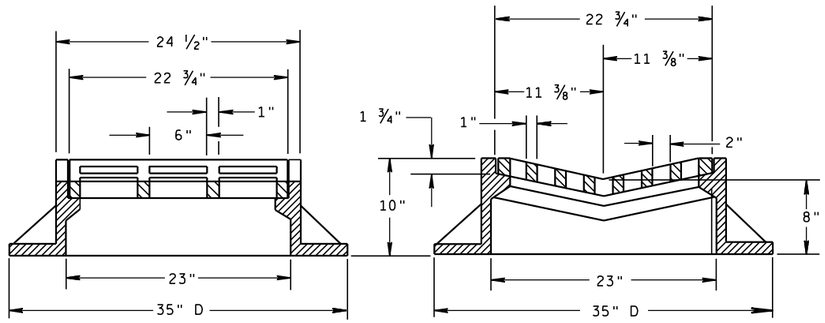
(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

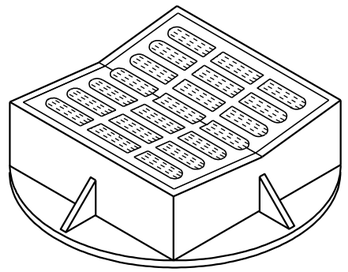
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

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

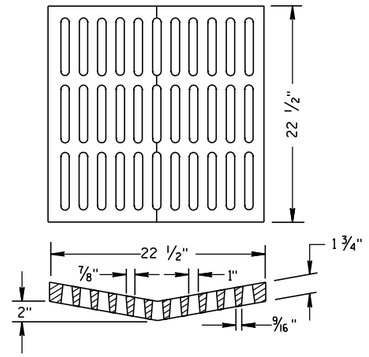




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

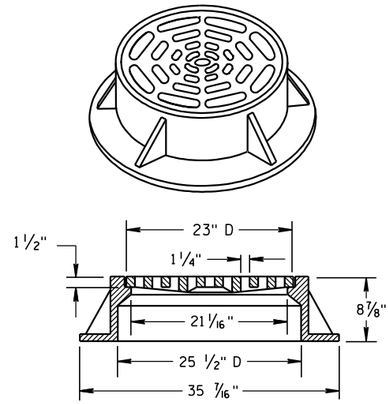


ALTERNATIVE GRATE FOR TYPE "B" COVER

(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.

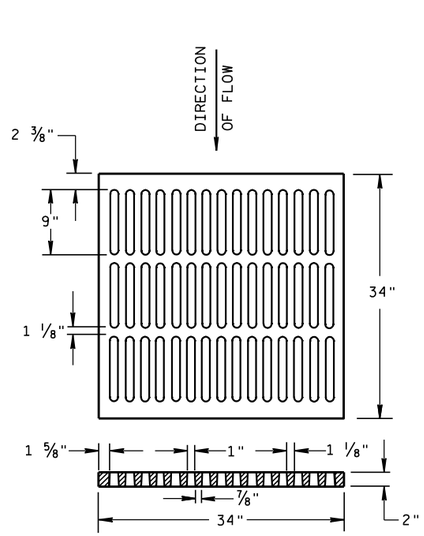
GENERAL NOTES

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.

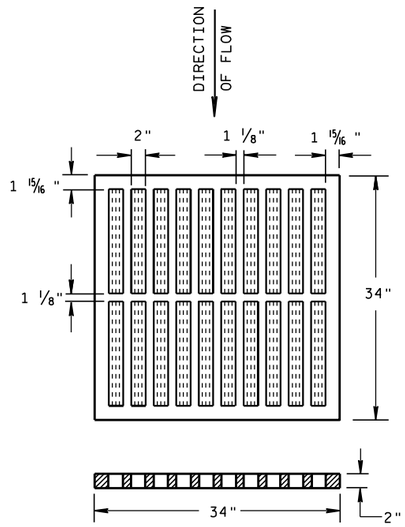


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

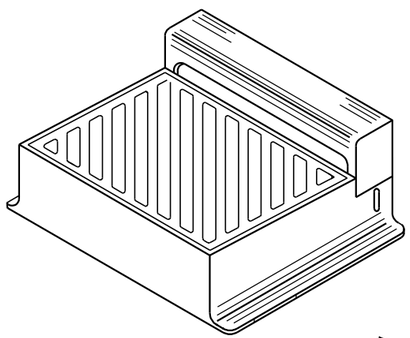


TYPE "MS"

(APPROXIMATE GRATE WEIGHT 268 LBS.)

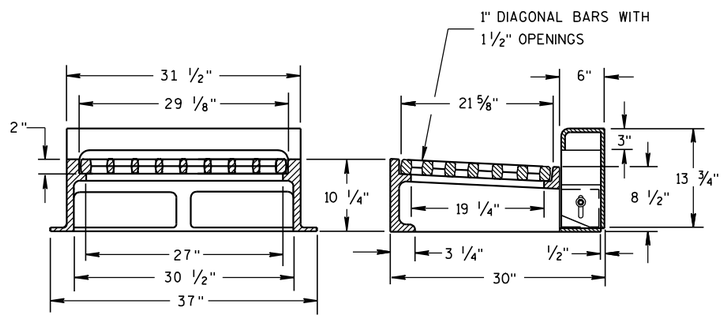
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

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. [illegible]
ROADWAY STANDARDS ENGINEER

118

ENT

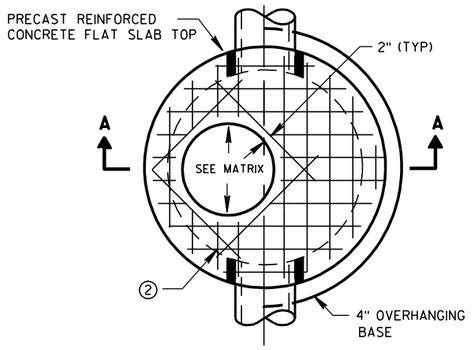
FHWA

6

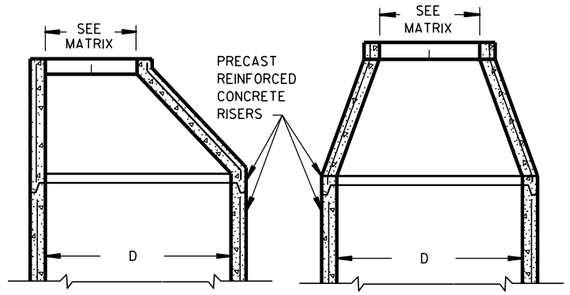
S.D.D. 8 A 5-18b

6

S.D.D. 8 A 5-18b

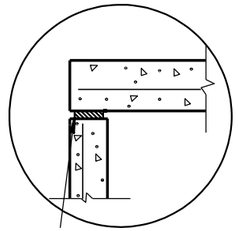


PLAN VIEW CIRCULAR OPENING

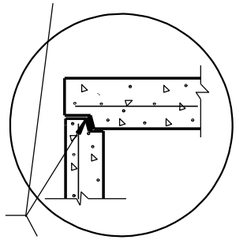


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

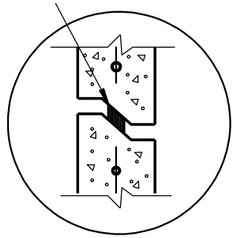


TOP WITH PLAIN END JOINT



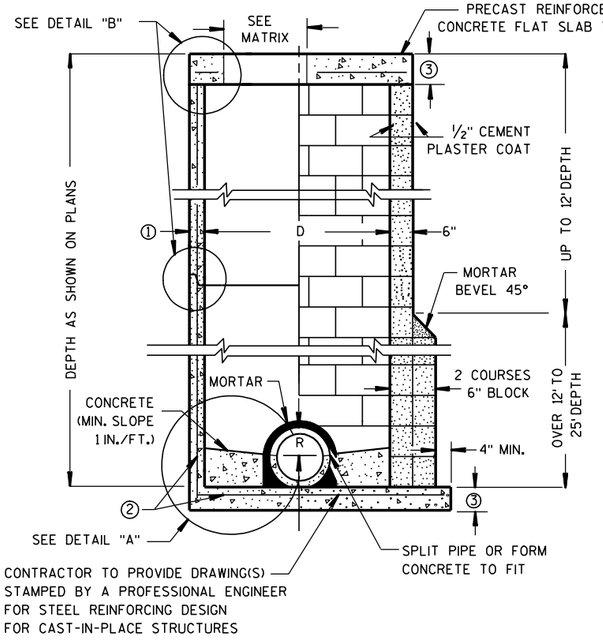
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



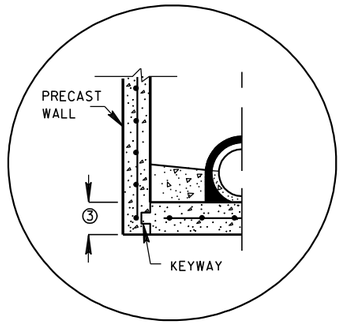
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

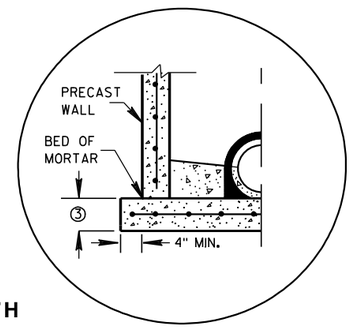


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

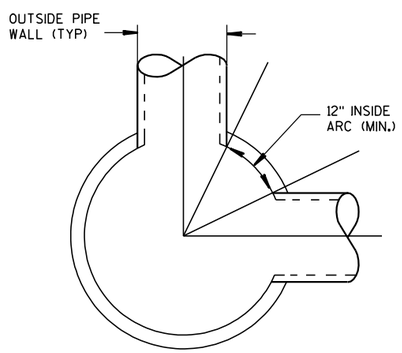


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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

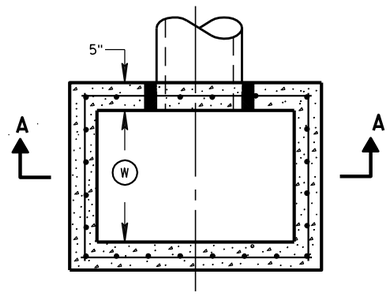
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

6

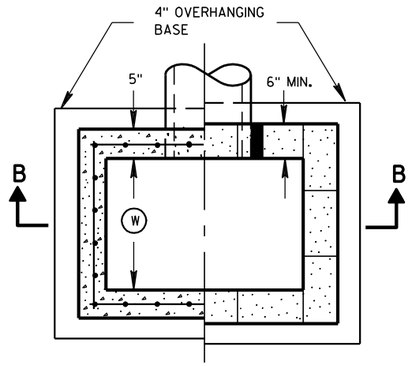
S.D.D. 8 B 9-1

6

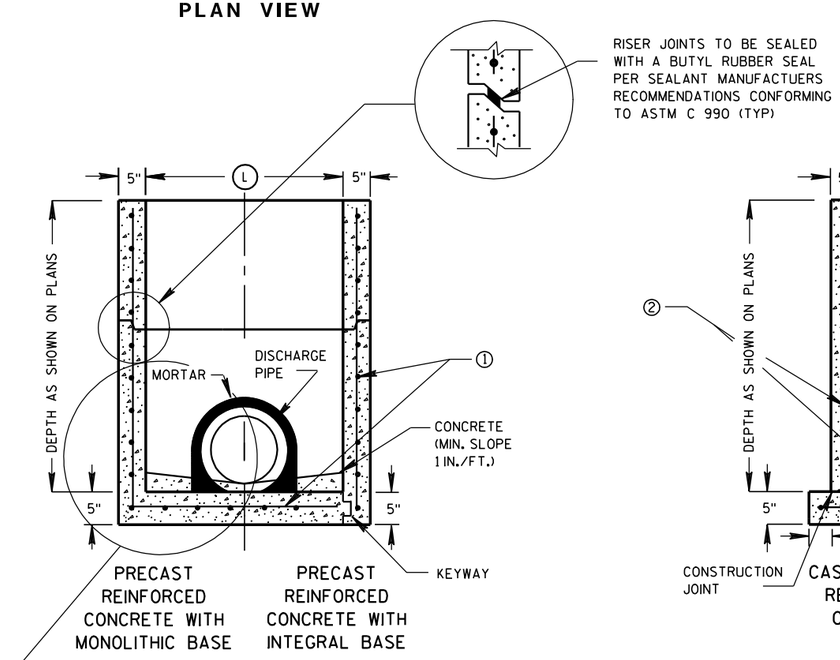
S.D.D. 8 B 9-1



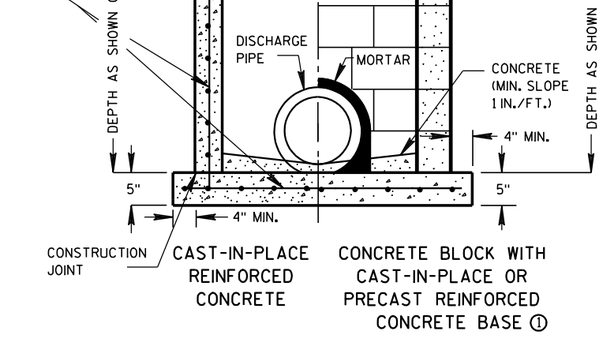
PLAN VIEW



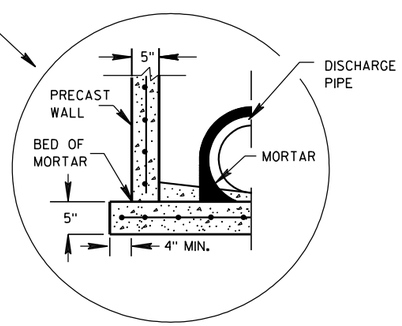
PLAN VIEW



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.

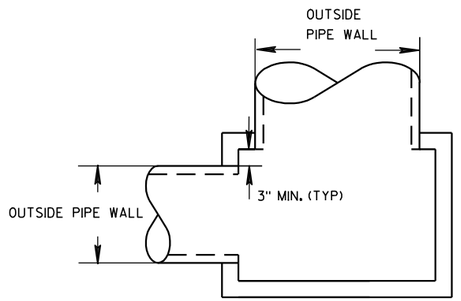
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

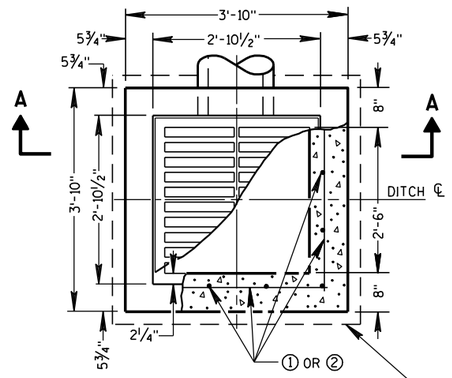
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zoda ROADWAY STANDARDS D ENGINEER
FHWA

6

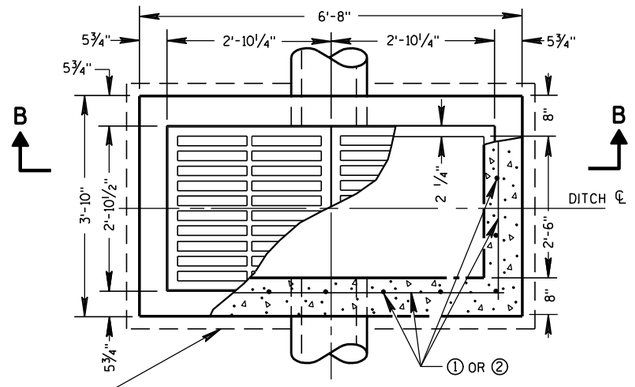
S.D.D. 8 C 7-1

6

S.D.D. 8 C 7-1

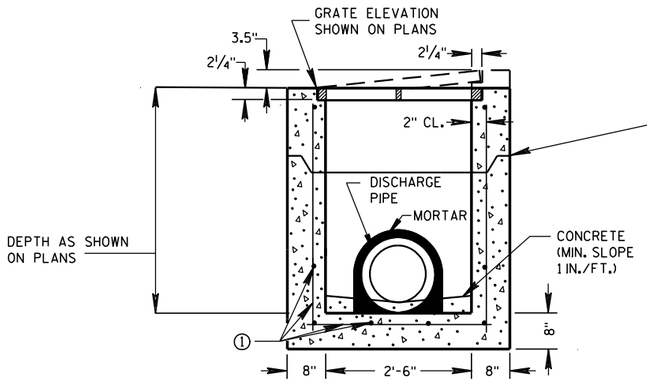


PLAN VIEW

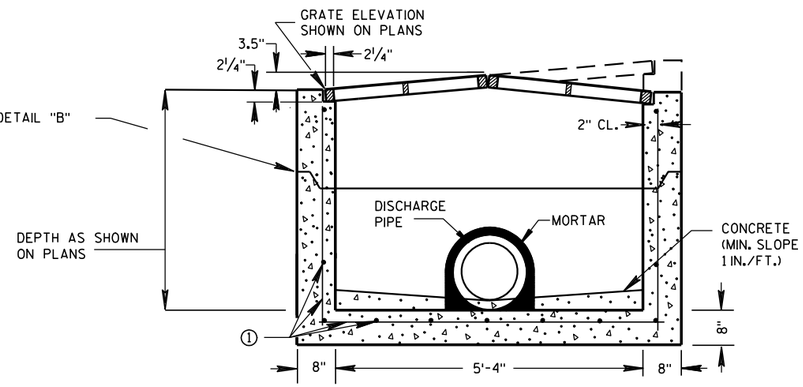


PLAN VIEW

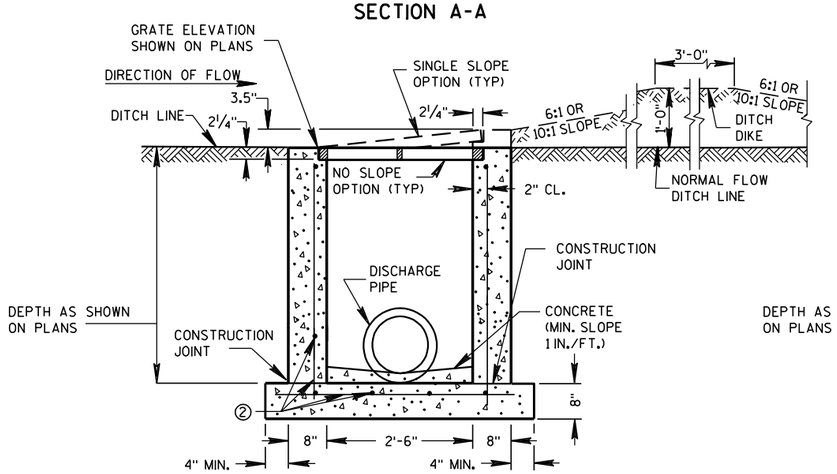
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



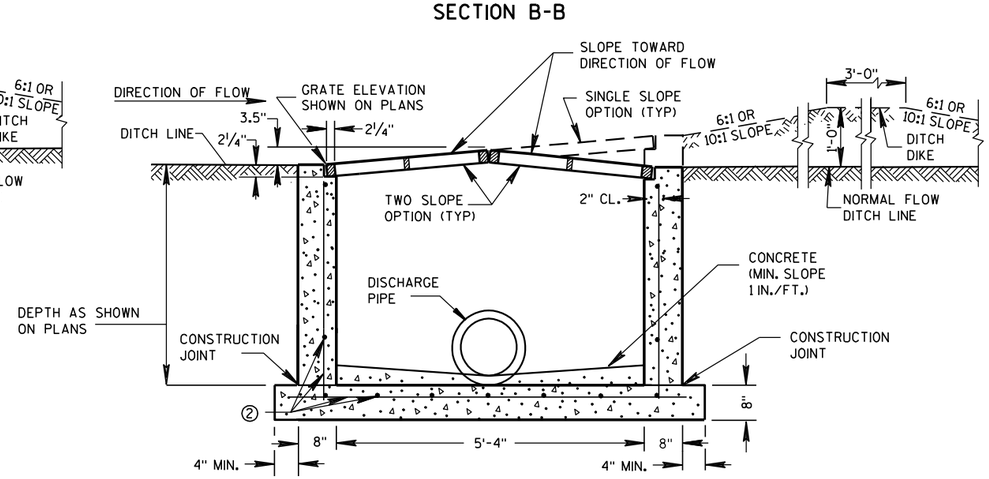
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

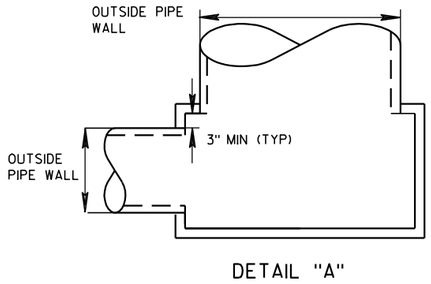
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

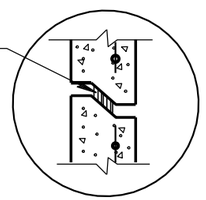
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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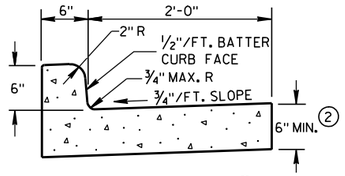
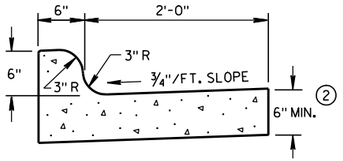
S.D.D. 8 C 8-1

6

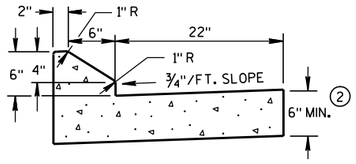
S.D.D. 8 C 8-1



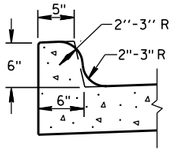
TYPES A & D (1)



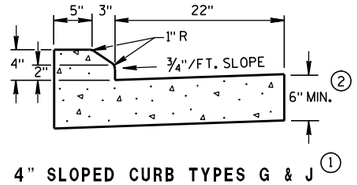
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

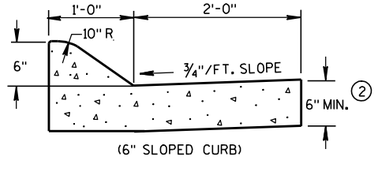


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

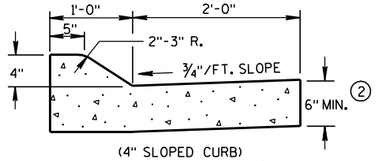


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

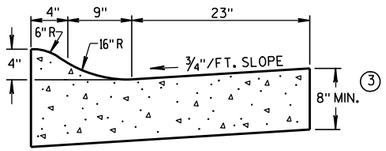


(6" SLOPED CURB)



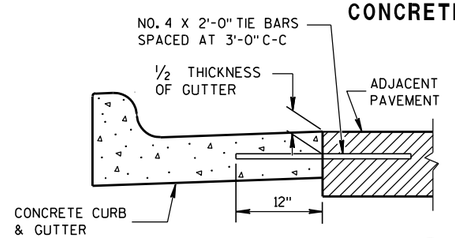
(4" SLOPED CURB)

TYPES A & D (1)

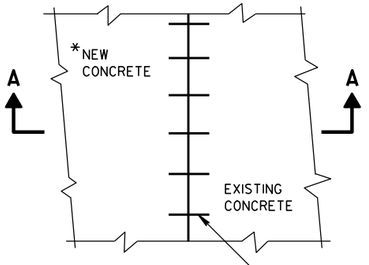


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

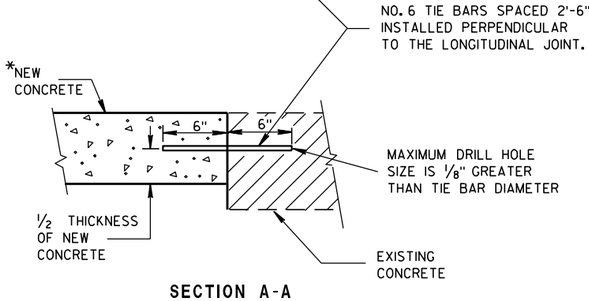


TYPICAL TIE BAR LOCATION (1)



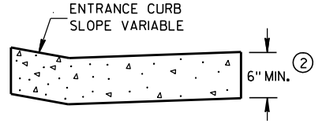
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

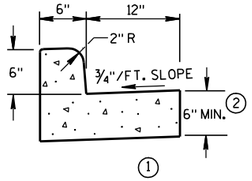


SECTION A-A

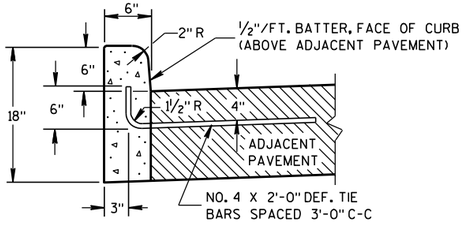
TIE BARS DRILLED INTO EXISTING PAVEMENT



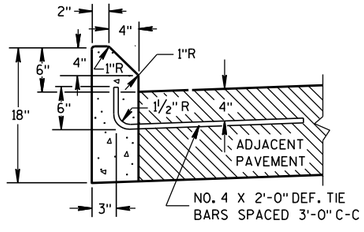
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"



(1)
TYPES A & D



(1)
TYPES G & J

CONCRETE CURB

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.

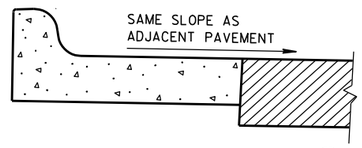
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

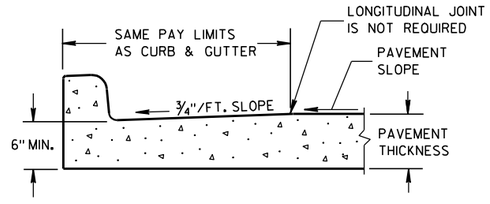
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

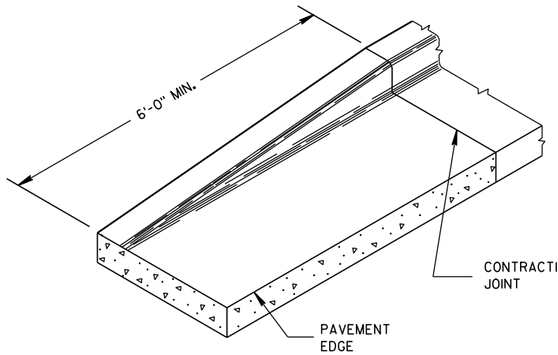
(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

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
FHWA

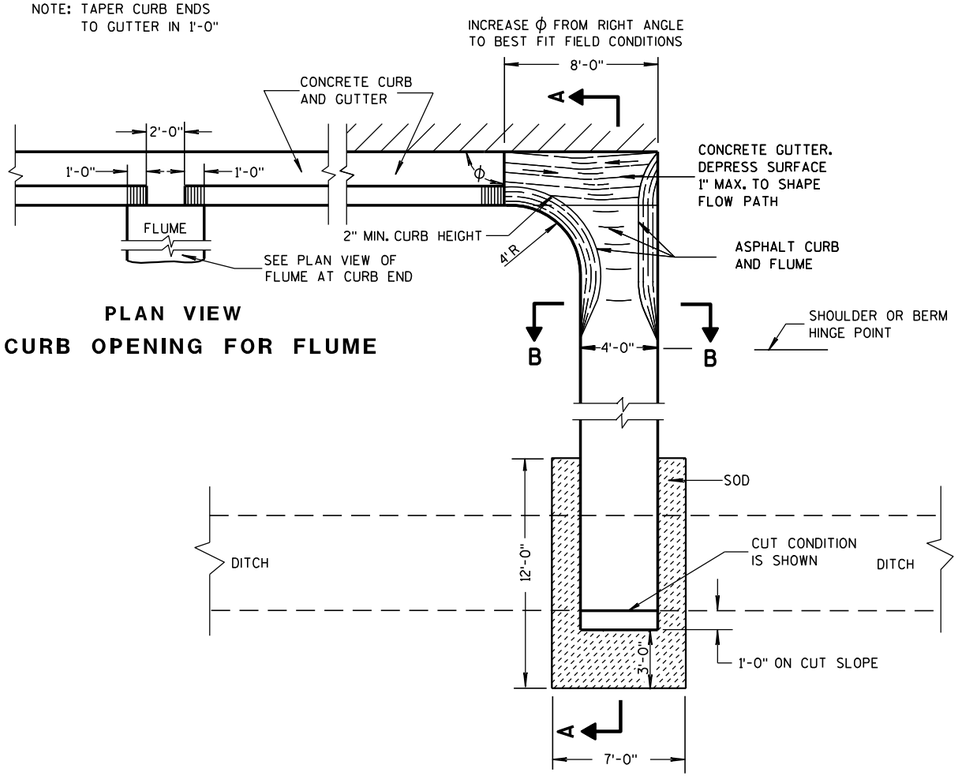
6

S.D.D. 8 D 1-17

6

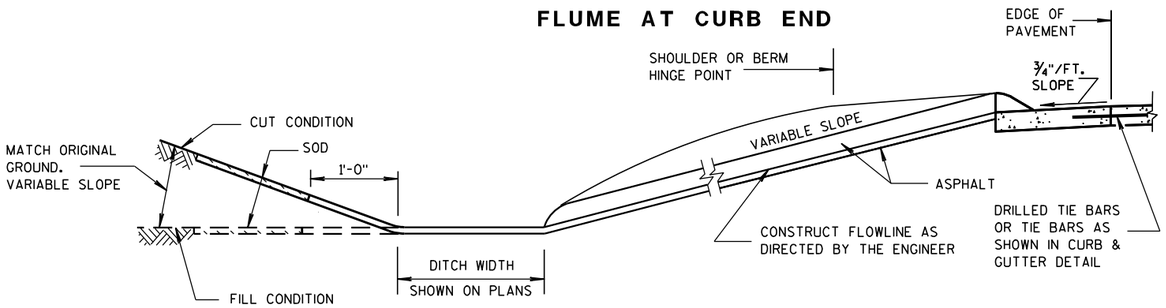
S.D.D. 8 D 1-17

ASPHALTIC FLUME

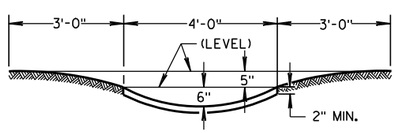


PLAN VIEW
CURB OPENING FOR FLUME

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.

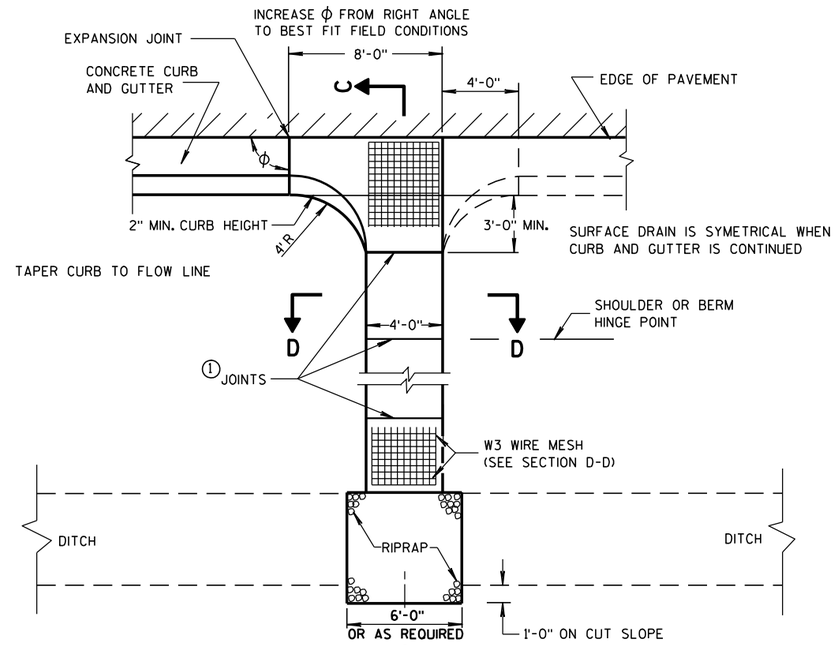
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

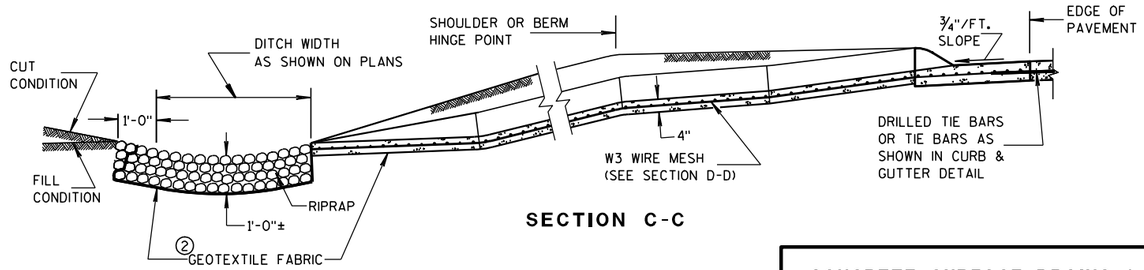
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

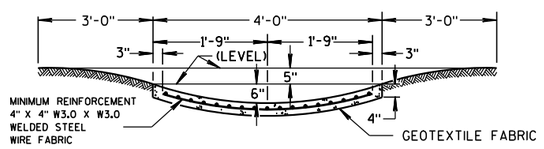
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C

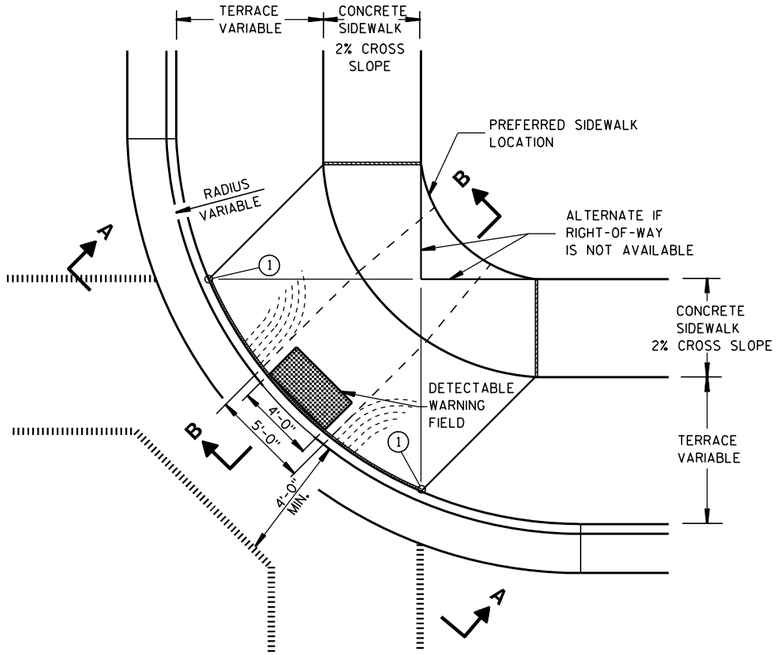


SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

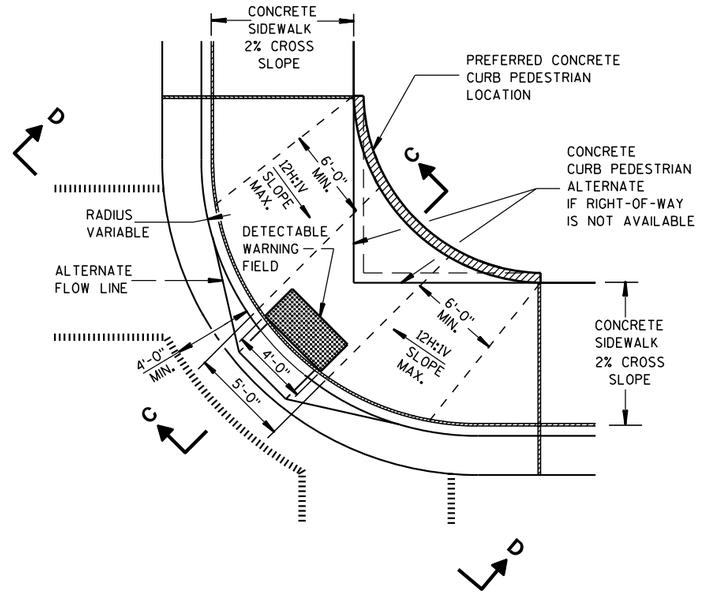
APPROVED
9-4-08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
123
[illegible]MENT
FHWA



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".

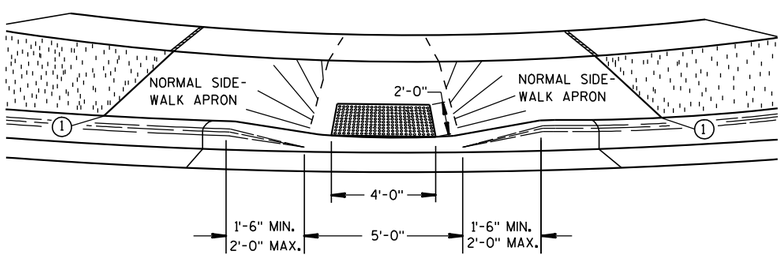
SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

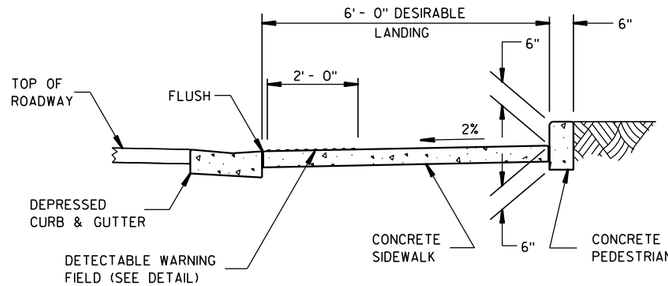
(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

LEGEND

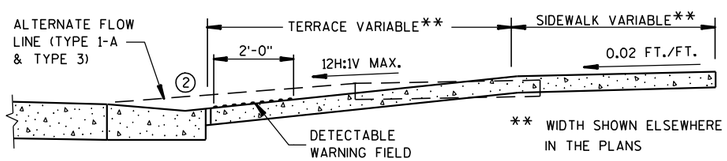
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



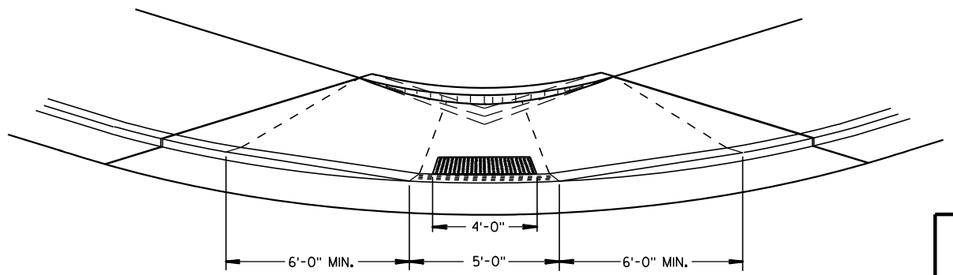
VIEW A-A



SECTION C-C



SECTION B-B



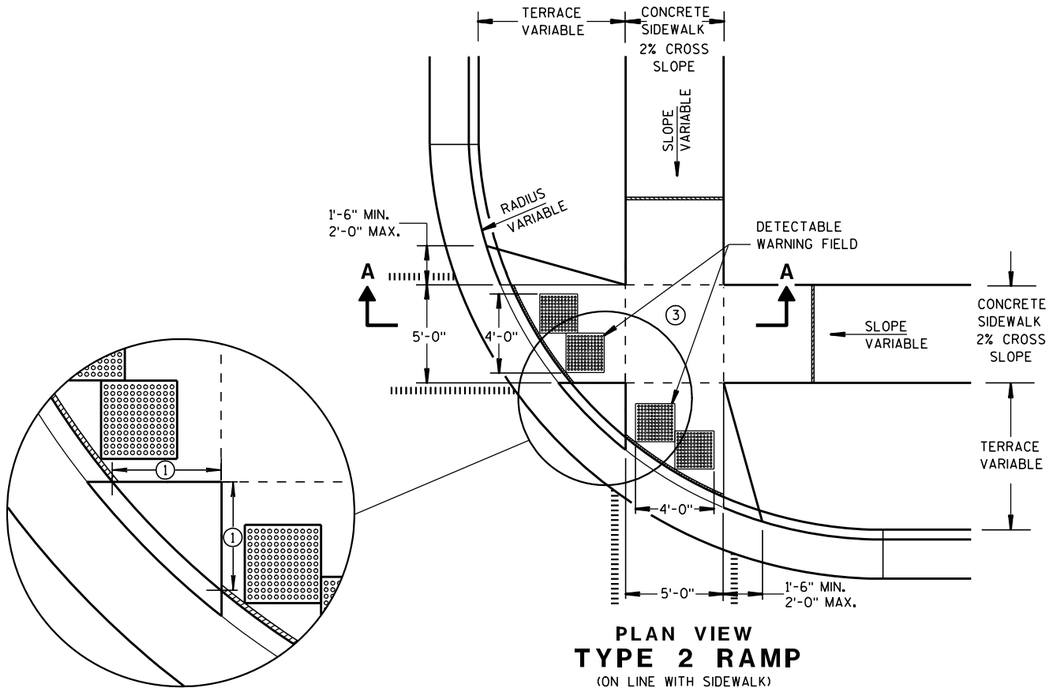
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

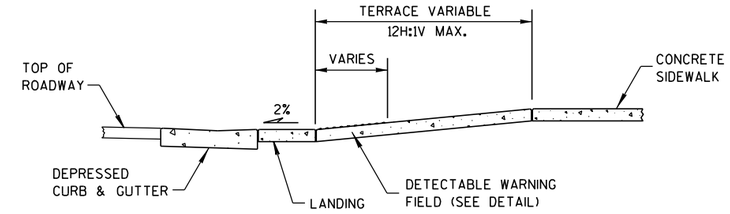
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

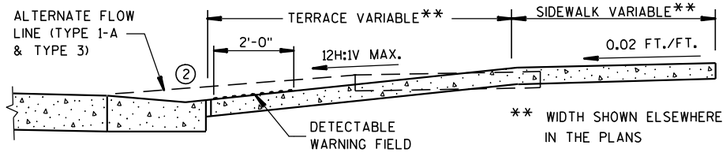
S.D.D. 8 D 5-14a



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.

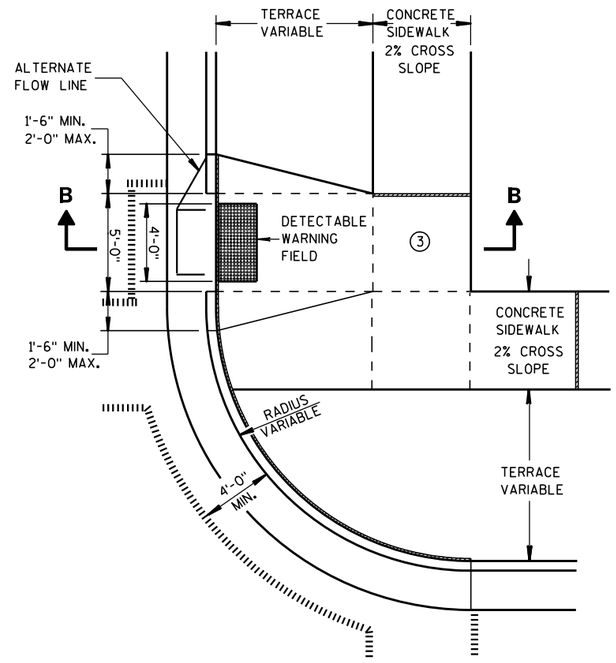
(1) WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

(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

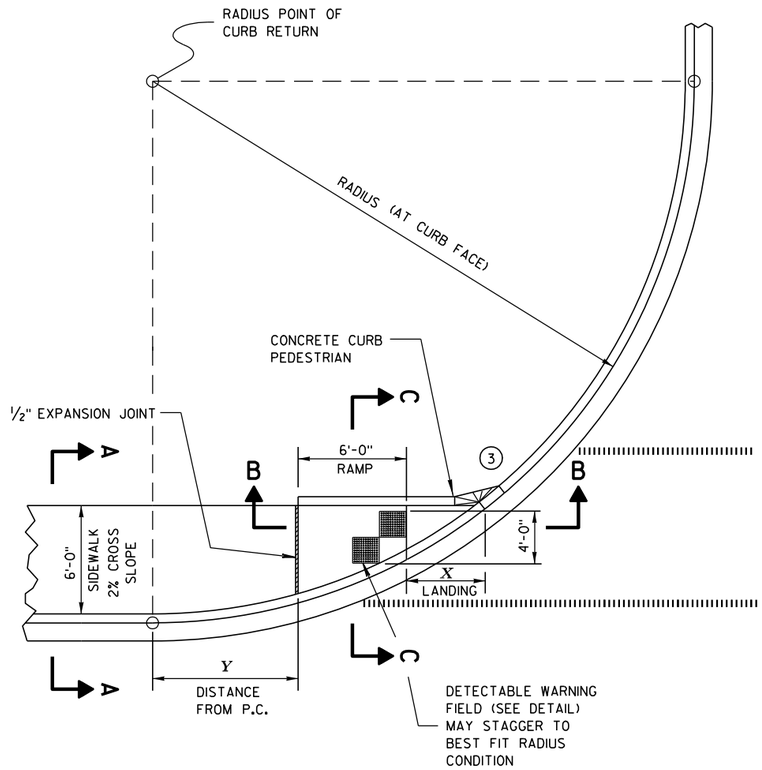


PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS
TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

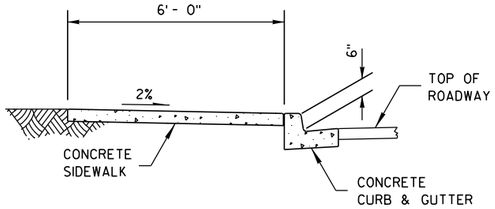
6
S.D.D. 8 D 5-14b



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1 3/4"	2'-7 1/4"
30 FEET	7'-11 3/4"	4'-8 1/4"
40 FEET	9'-5 1/4"	6'-5"
50 FEET	10'-8 3/4"	7'-11 1/4"
60 FEET	11'-10 1/4"	9'-3 1/2"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A

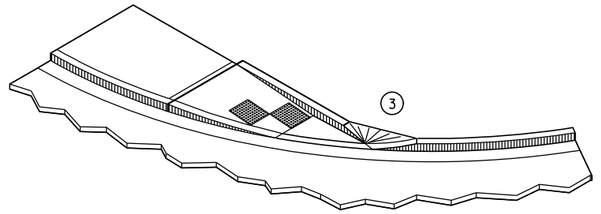
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

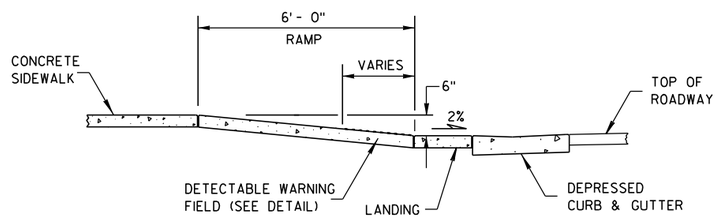
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

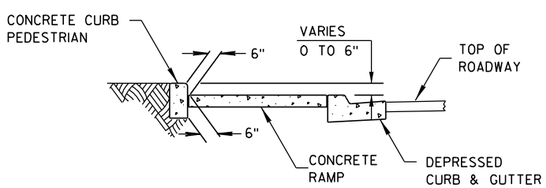
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW



SECTION B-B



SECTION C-C

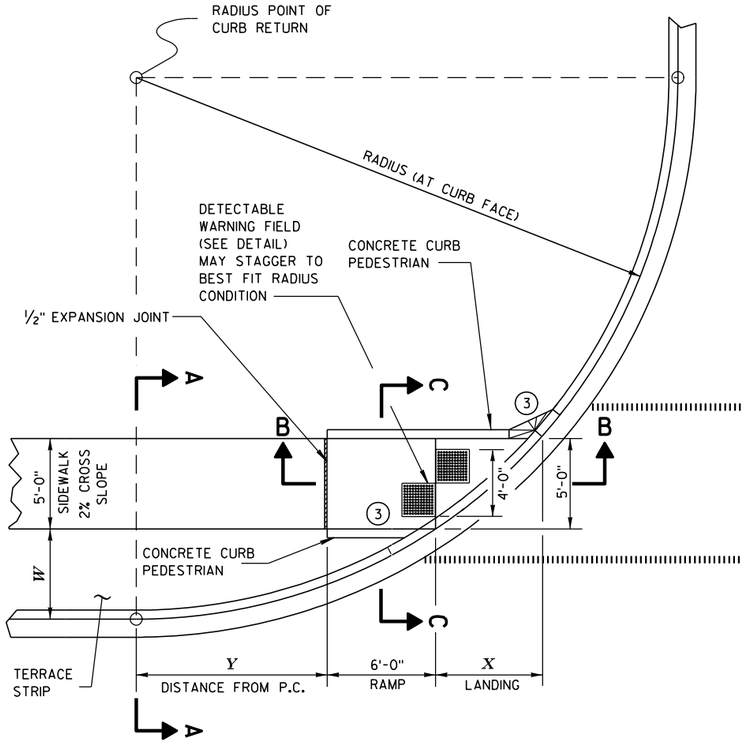
LEGEND

- 1/2" 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.

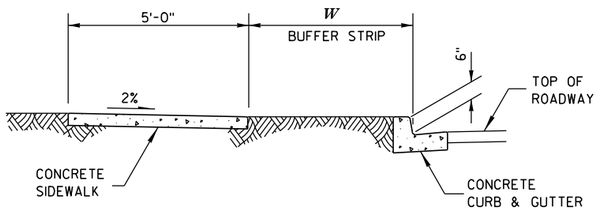
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

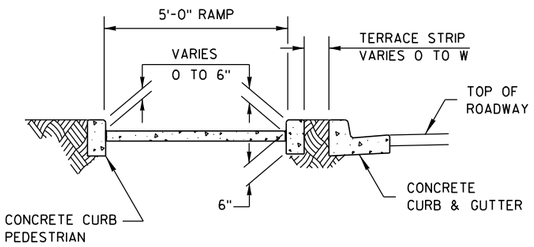
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

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"

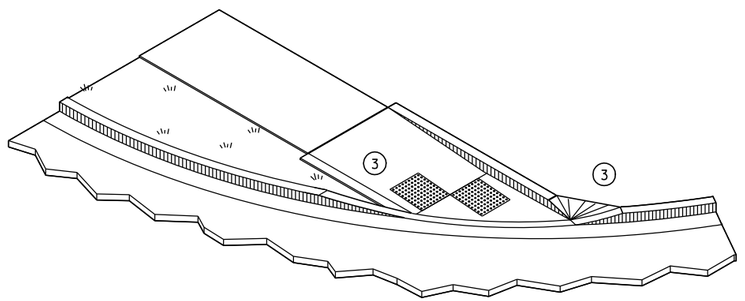
INTERMEDIATE RADII CAN BE INTERPOLATED



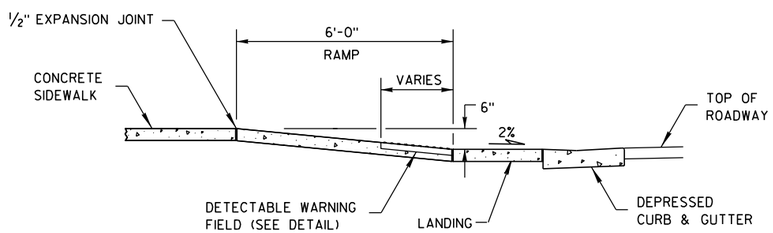
SECTION A-A



SECTION C-C



ISOMETRIC VIEW



SECTION B-B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

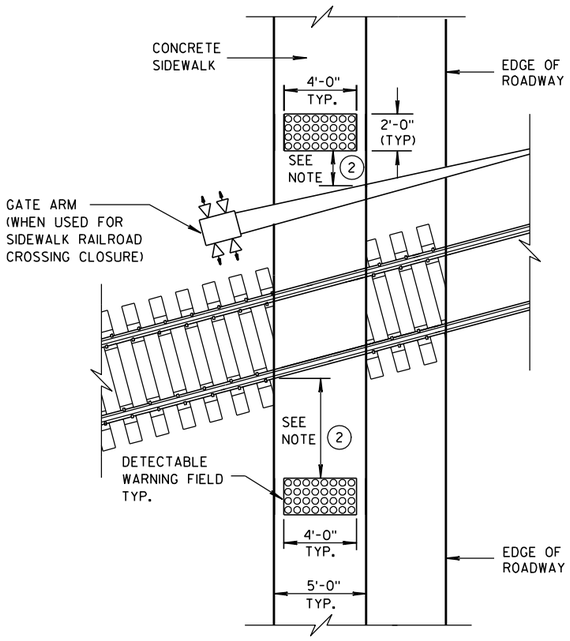
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

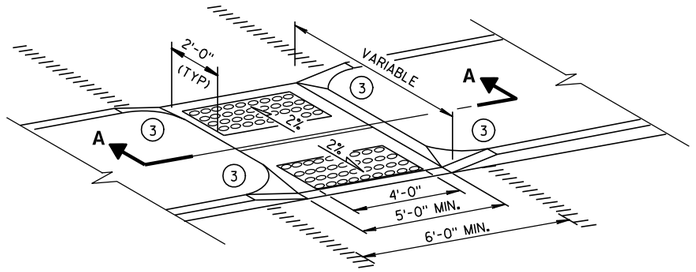
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

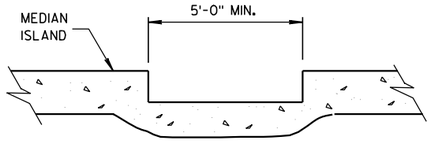
S.D.D. 8 D 5-14d



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%.

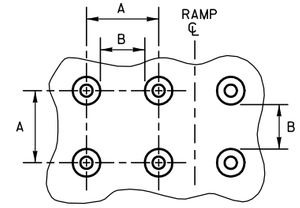
(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

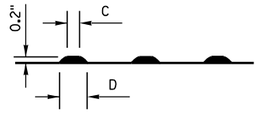
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



PLAN VIEW

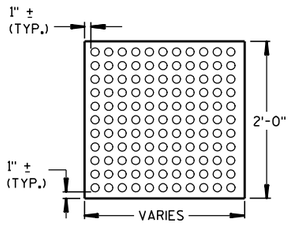
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



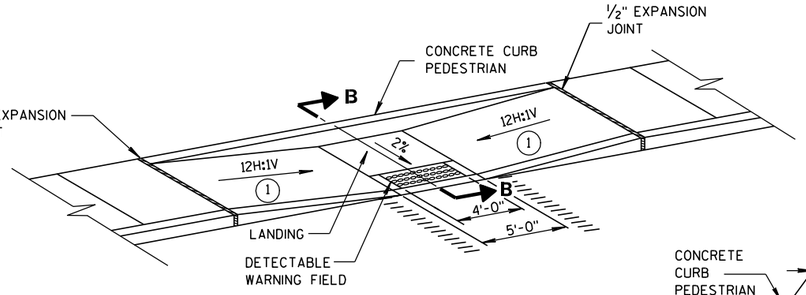
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

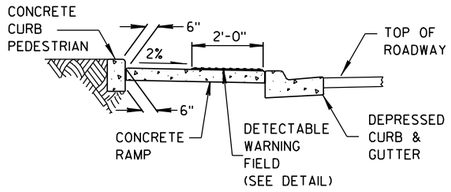


PLAN VIEW

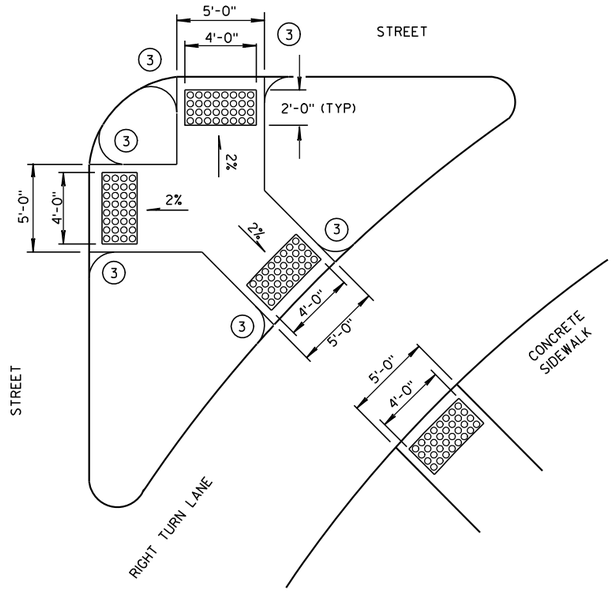
DETECTABLE WARNING FIELD (TYPICAL)



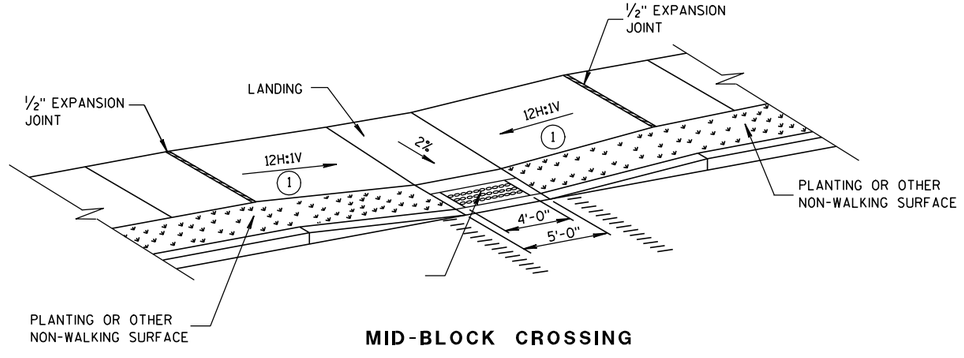
MID-BLOCK CROSSING
TYPE 7A



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

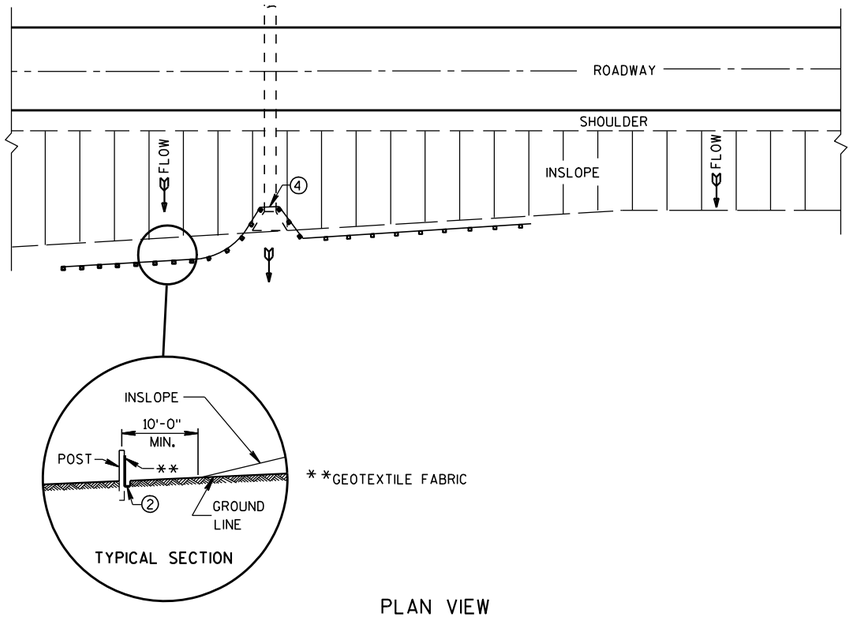
APPROVED
2-9-10 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 D 5-14e

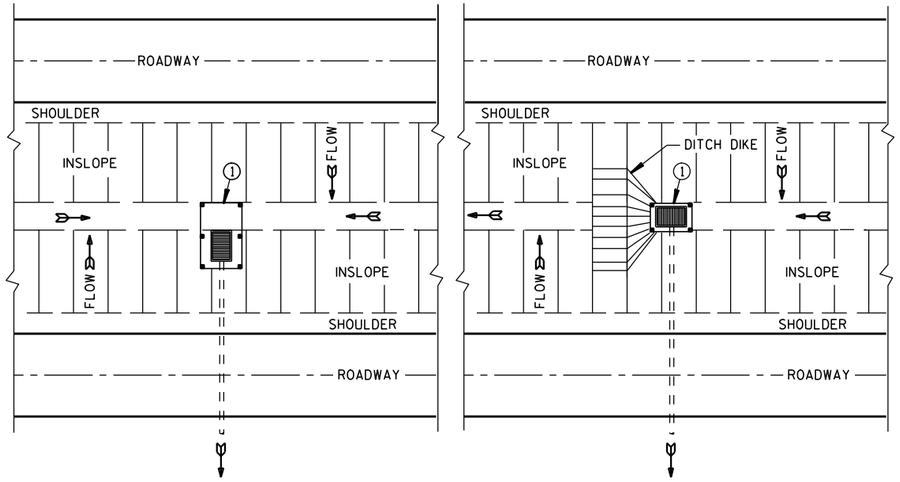
6

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.

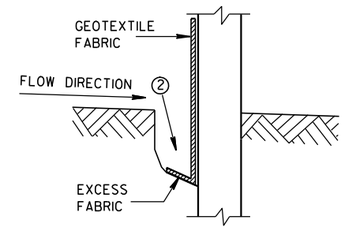
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

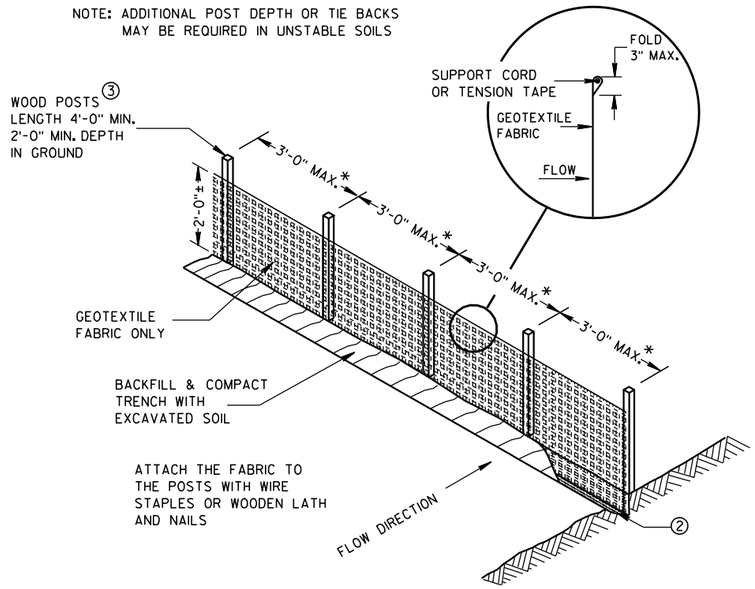
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

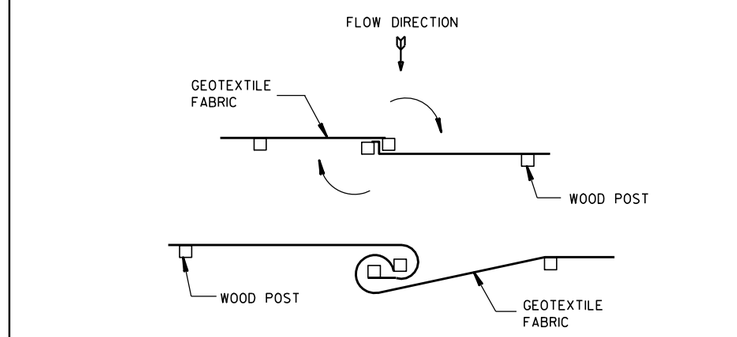


TRENCH DETAIL

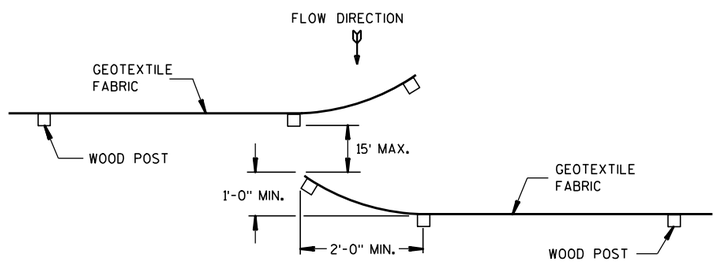


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

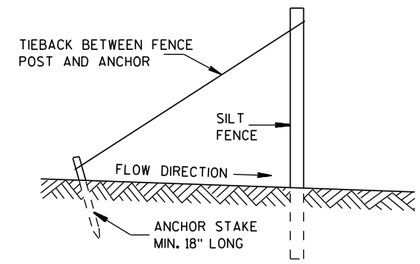


TWIST METHOD



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

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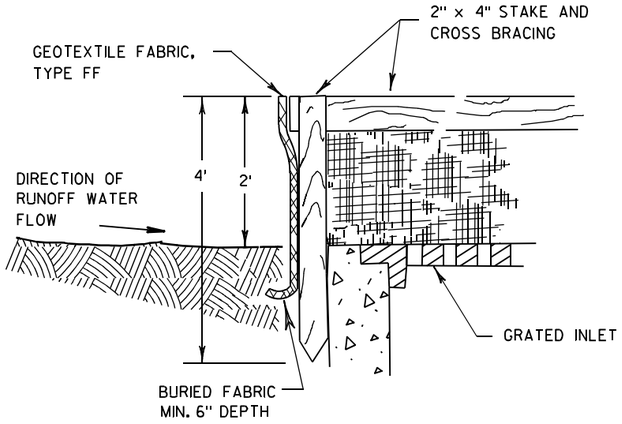
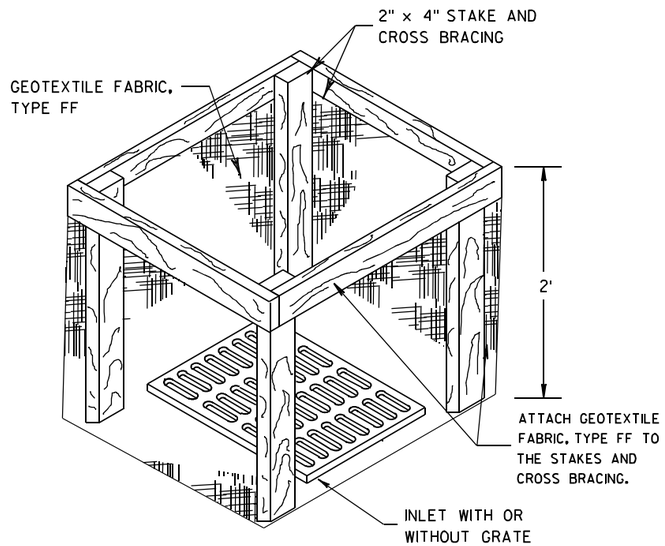
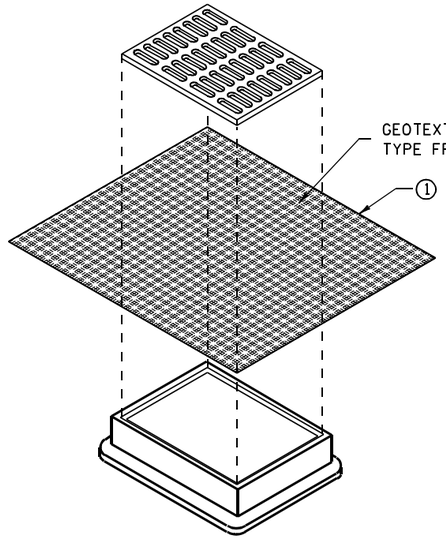
S.D.D. 8 E 9-6



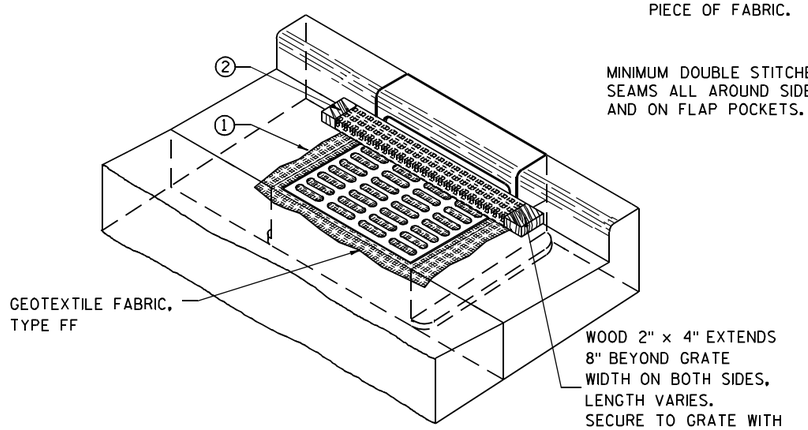


INLET PROTECTION, TYPE A

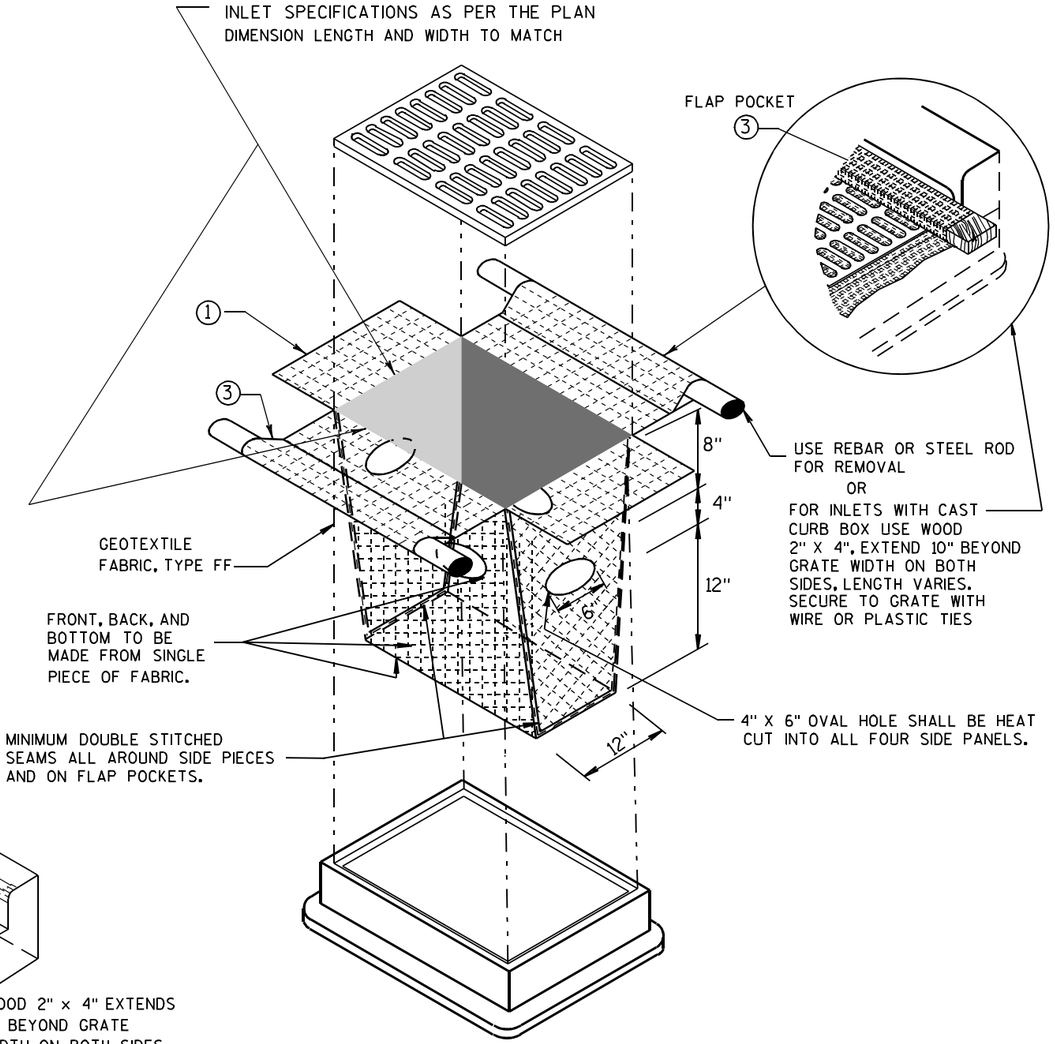


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

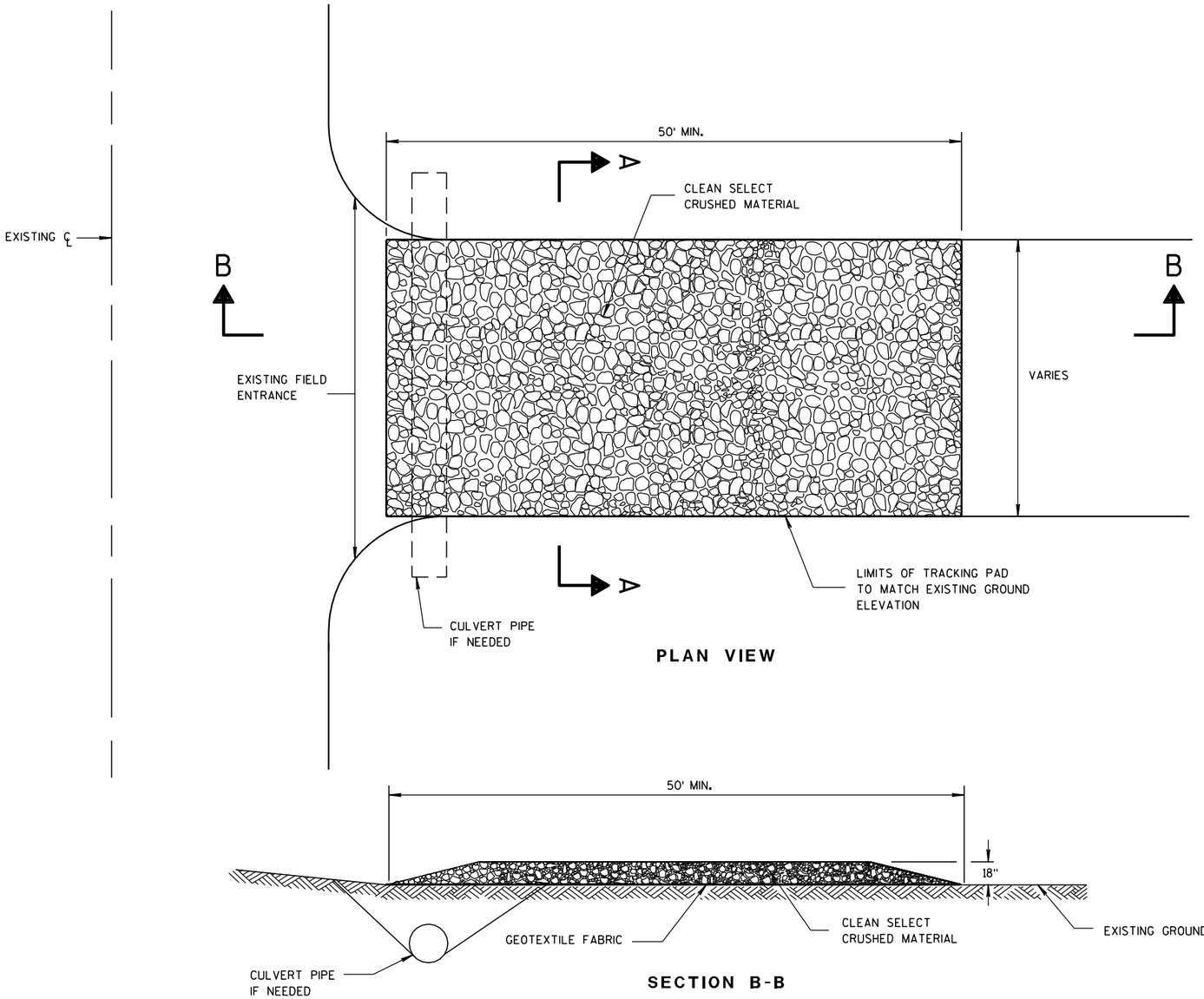
APPROVED

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.

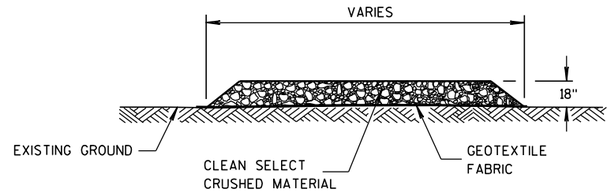
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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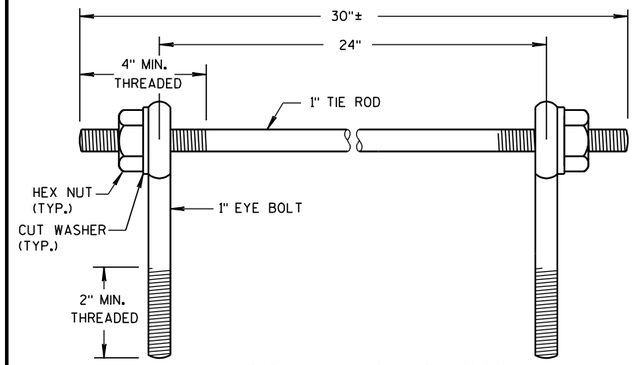
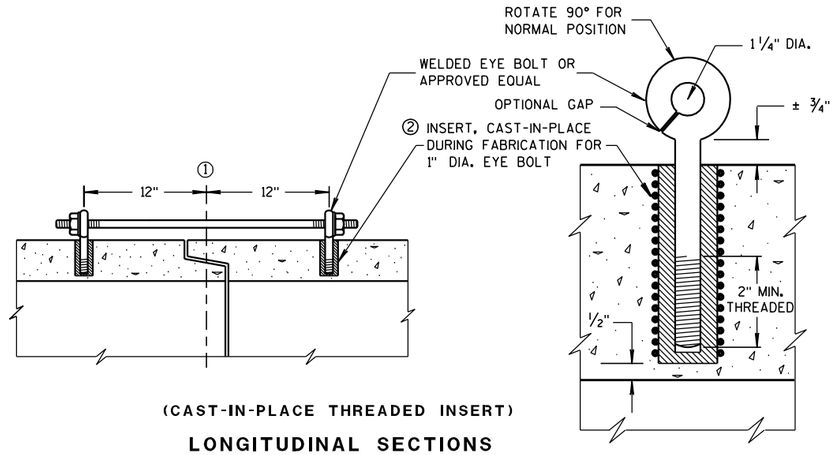
S.D.D. 8 E 14-1



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.

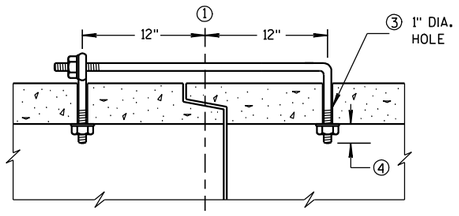
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

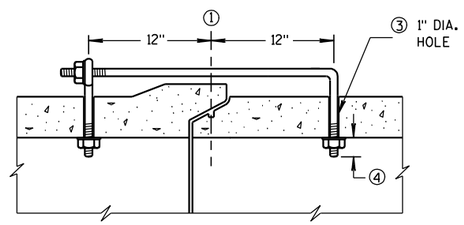
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

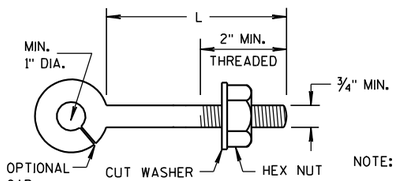


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

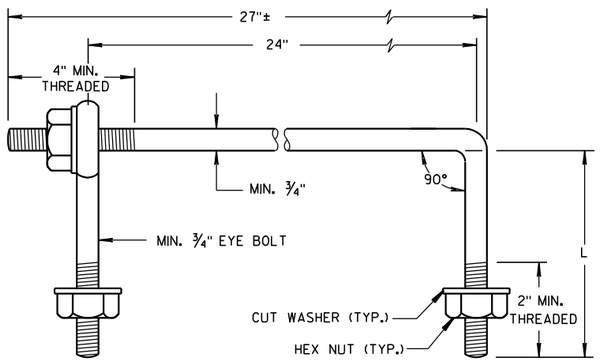
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

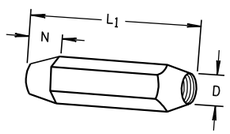
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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



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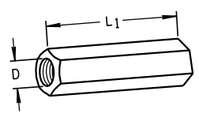
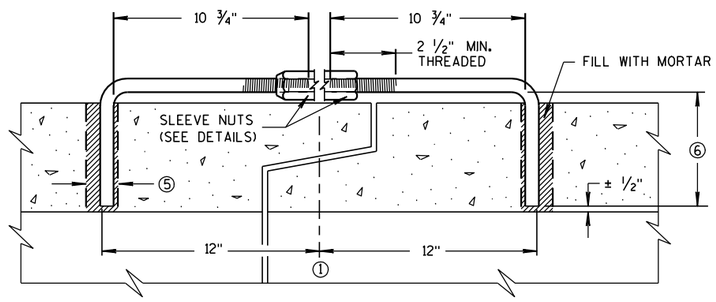


PLAIN

RIGHT AND LEFT THREADS

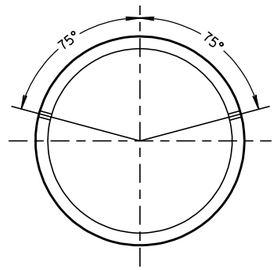
SLEEVE NUTS



LONGITUDINAL SECTION

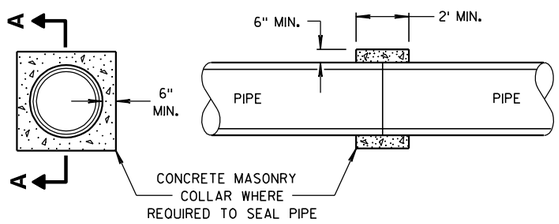
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
FHWA

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S.D.D. 8 F 4-7

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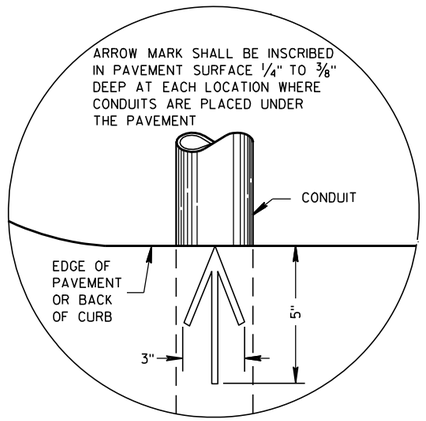
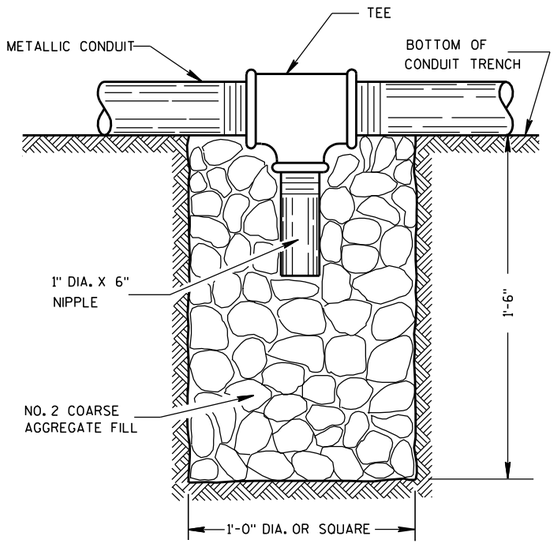


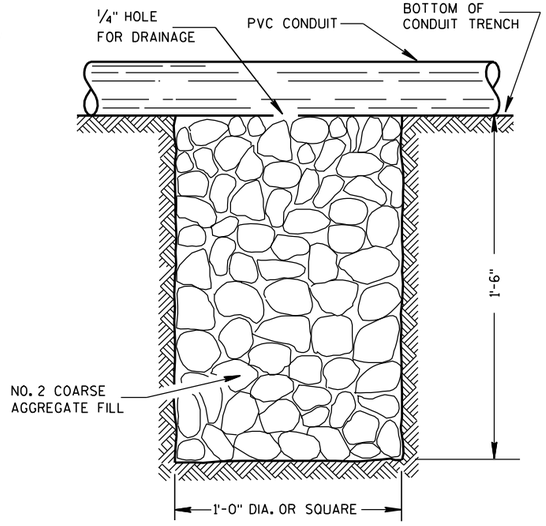
PLAN VIEW

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.

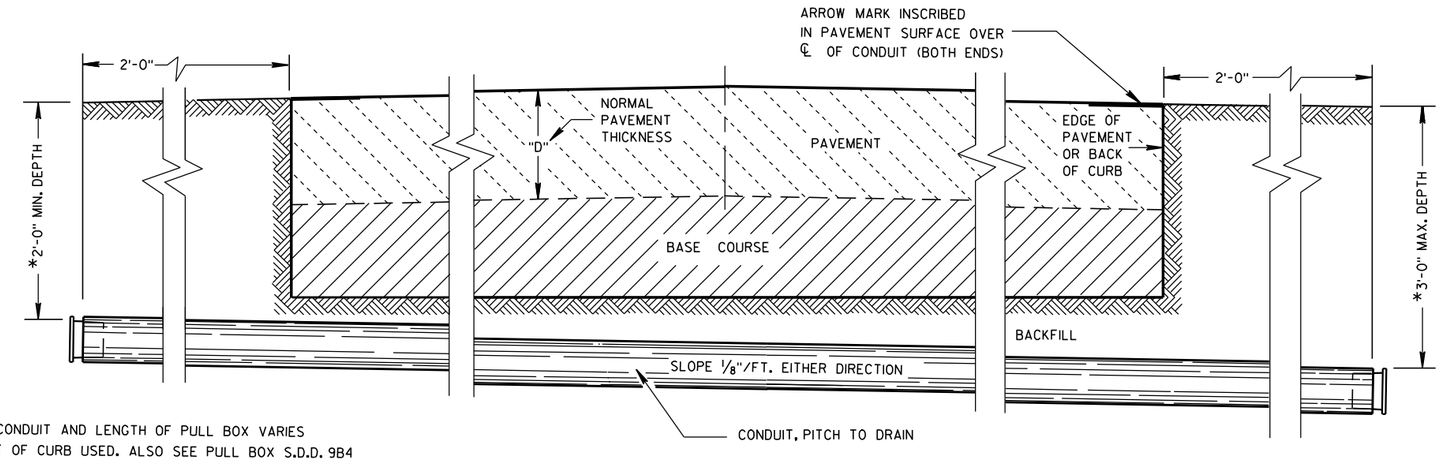
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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

FHWA

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S.D.D. 9 B 2-7

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.

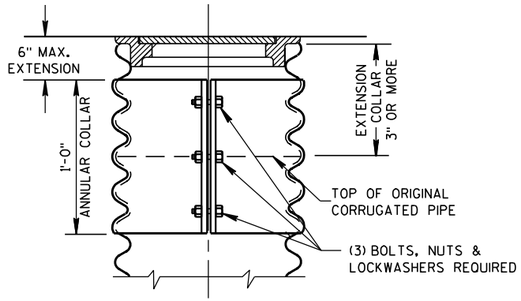
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

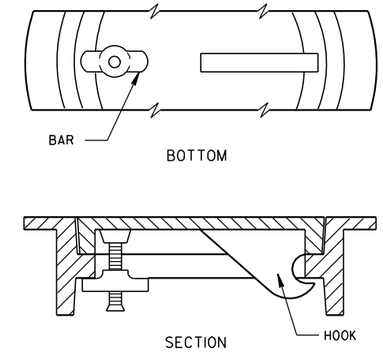
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

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.

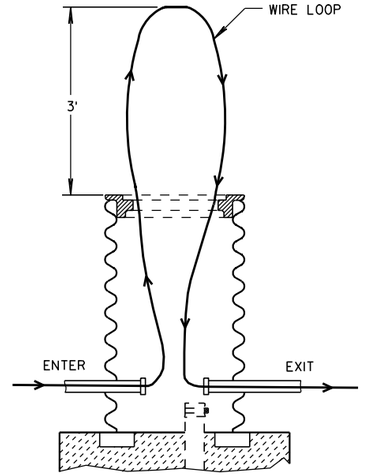


CORRUGATED PIPE EXTENDER

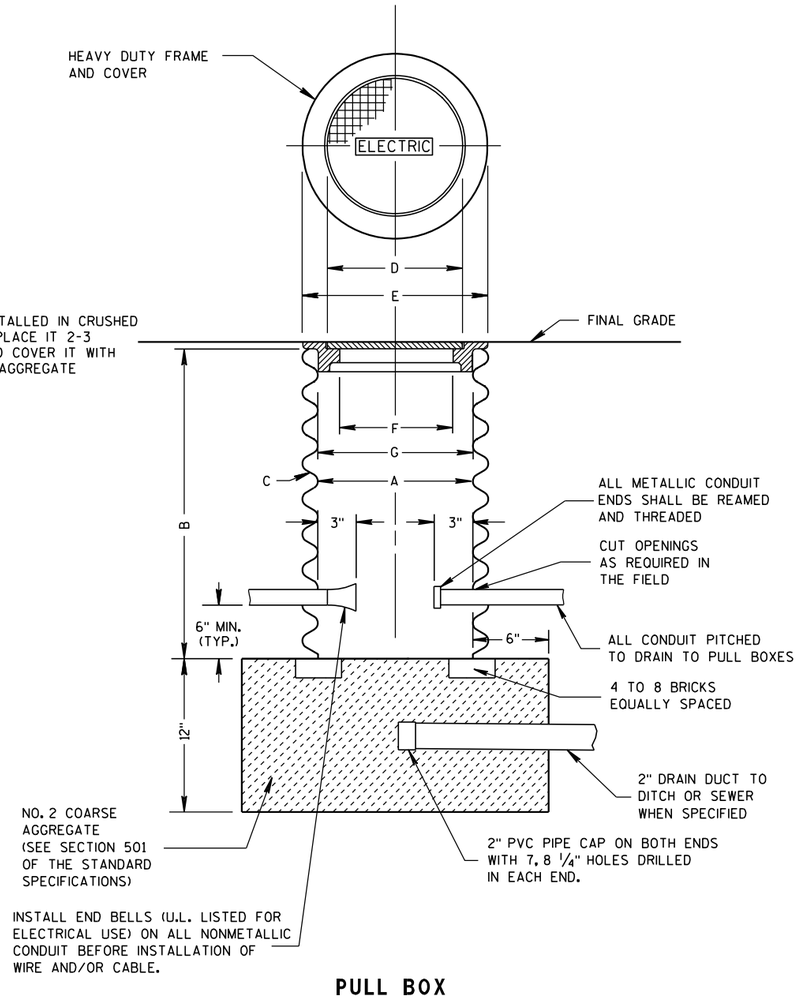


ALTERNATE COVER (LOCKING)

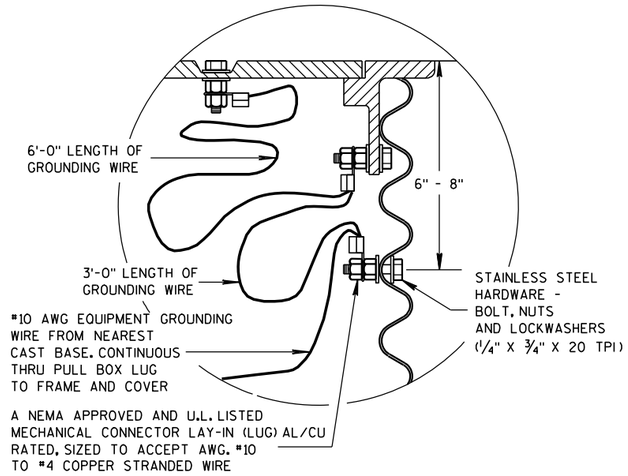
TIGHTENING BAR TYPE



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

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9/27/06 DATE
/S/ Balu Ananthanarayanan
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FHWA

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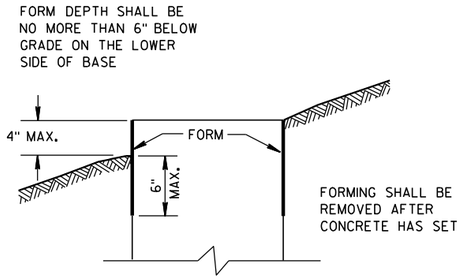


FORMING DETAIL

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.

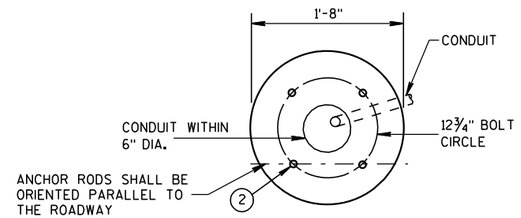
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

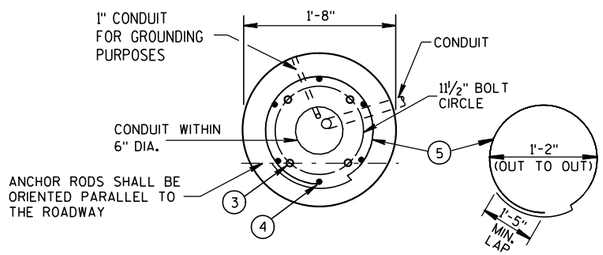
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

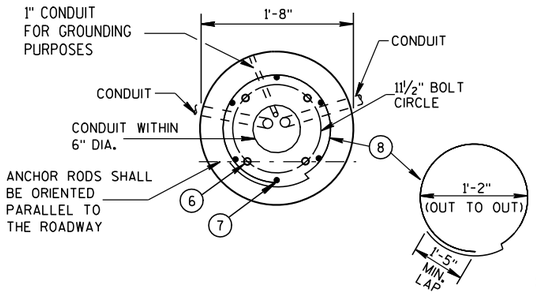
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

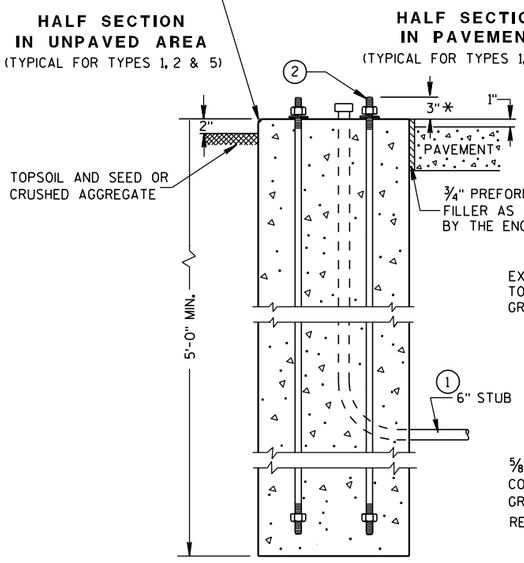






FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

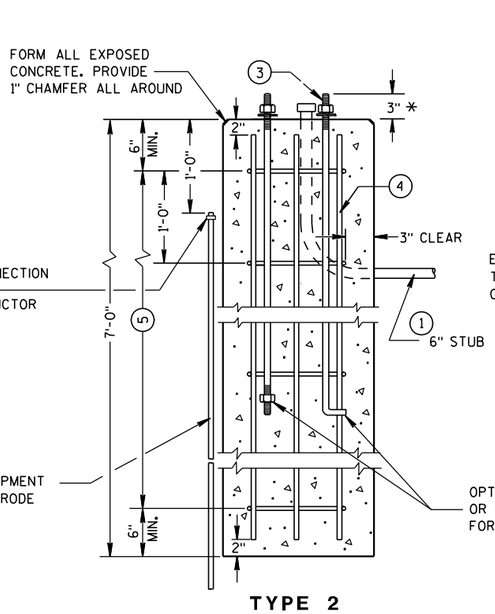
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2 & 5)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2 & 5)

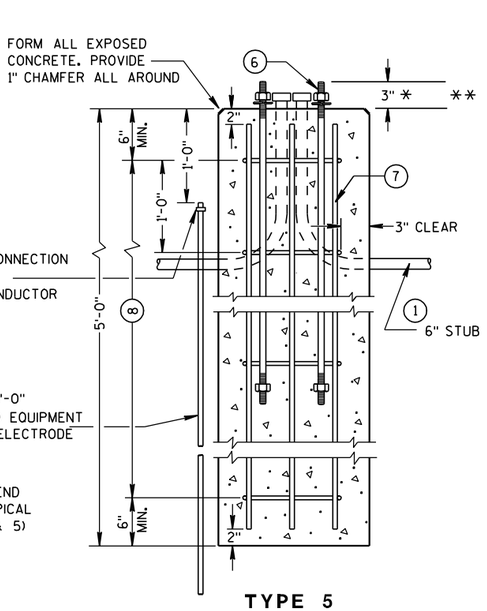
TYPE 1

FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND



TYPE 2

FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND



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
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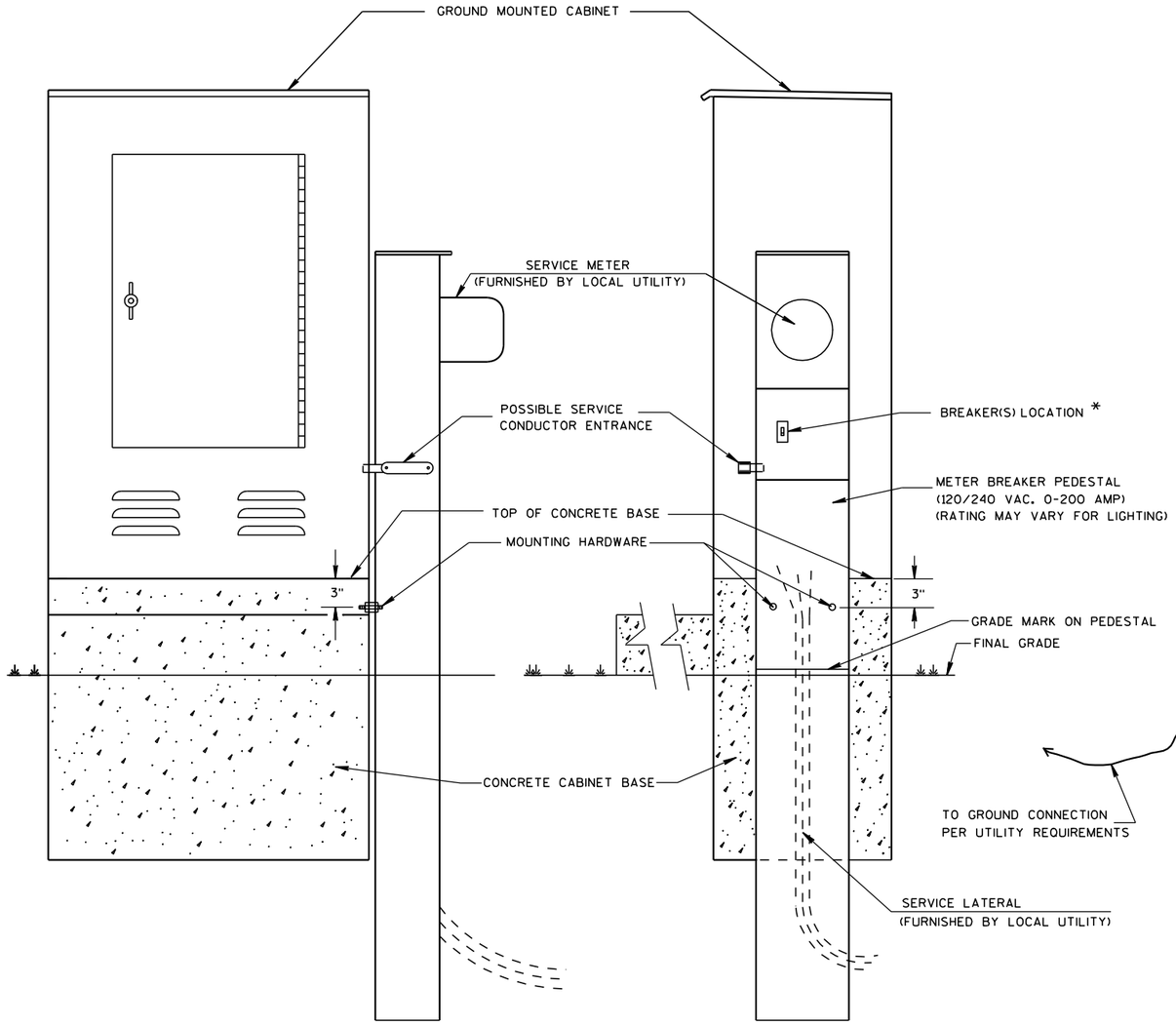

TYPICAL CABINET SERVICE INSTALLATION

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.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 DATE
/S/ Joanna L. Bush STATE ELECTRICAL ENGI
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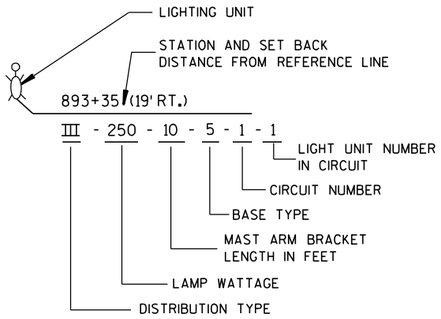
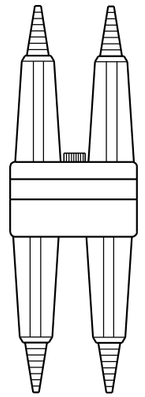
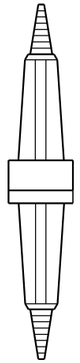


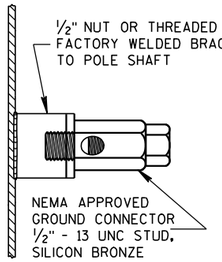
LIGHTING UNIT CODE
(TYPICAL)

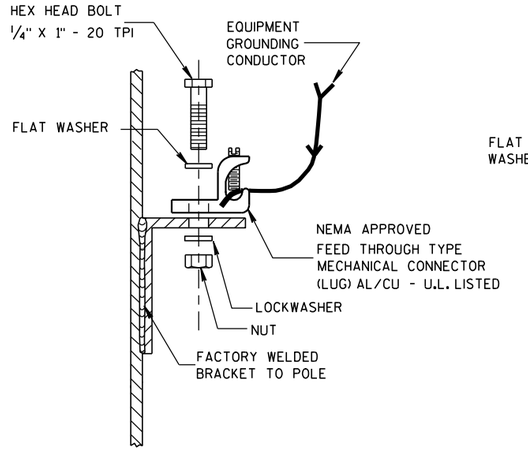


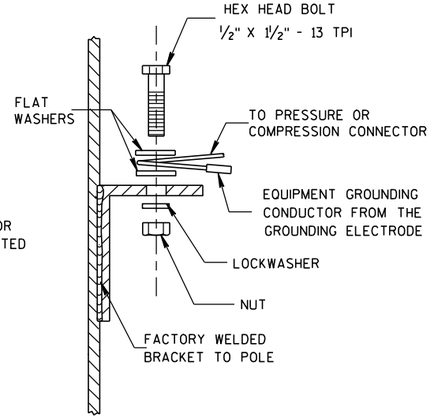
DETAIL "A"
BREAKAWY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



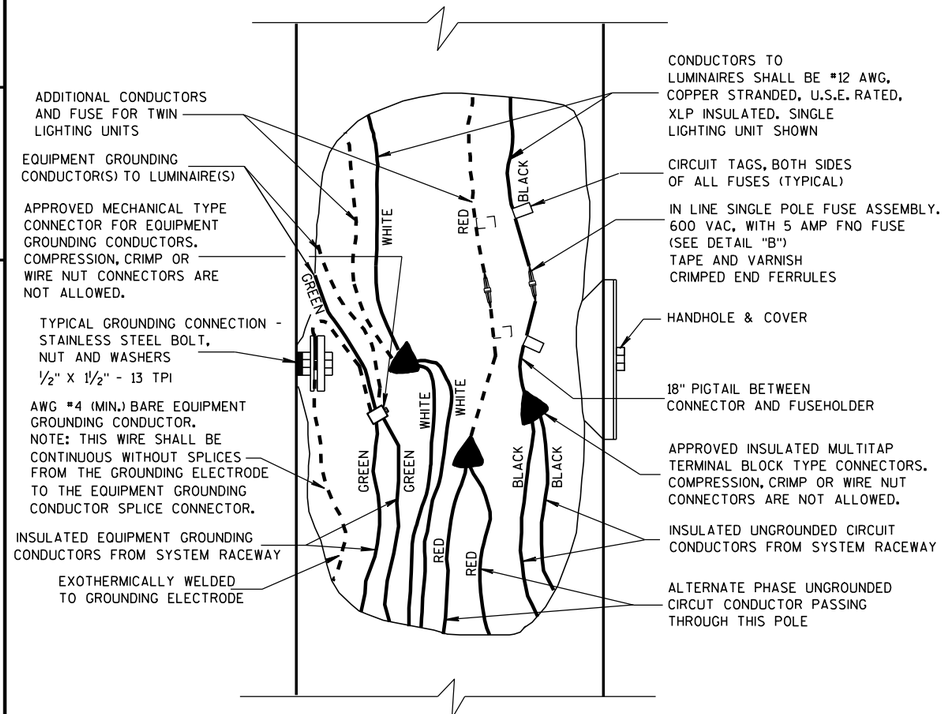
DETAIL "B"
BREAKAWY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



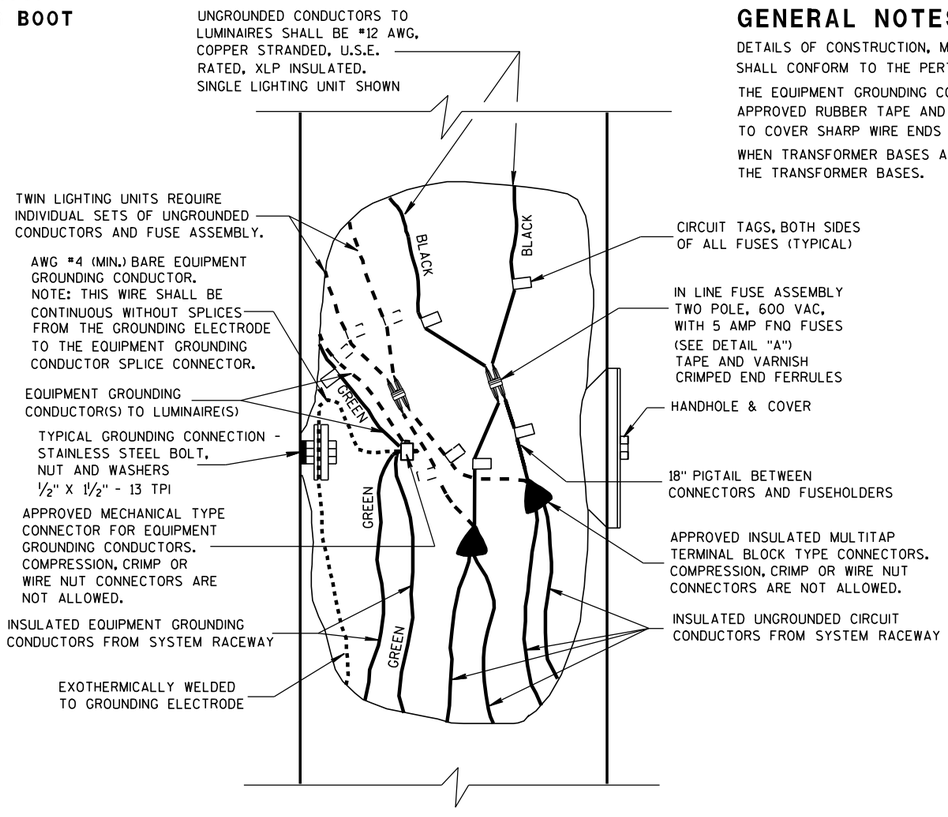




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



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

APPROVED

3/2/2011 DATE — /S/ Thomas J. Gosnine STATE ELECTRICAL ENGI — HWYS

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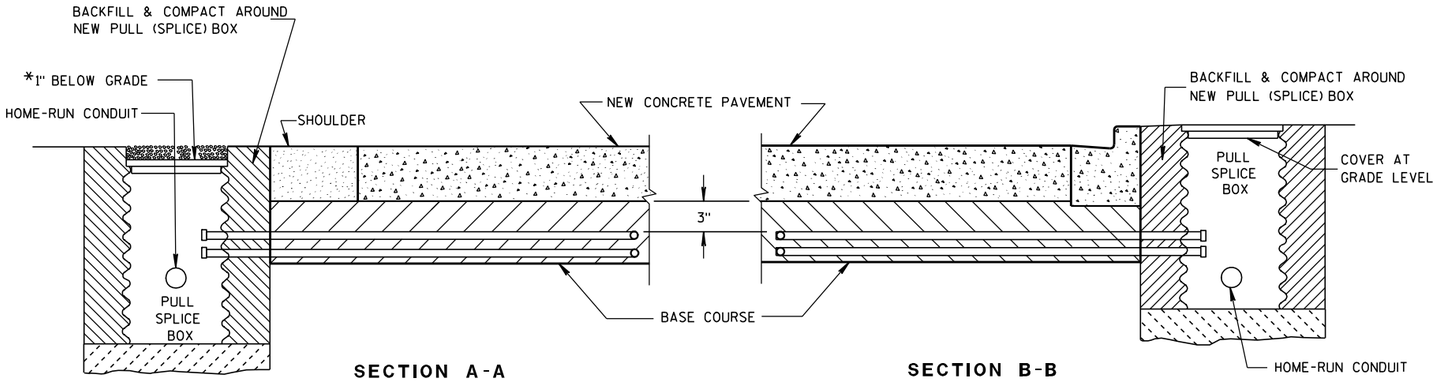


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

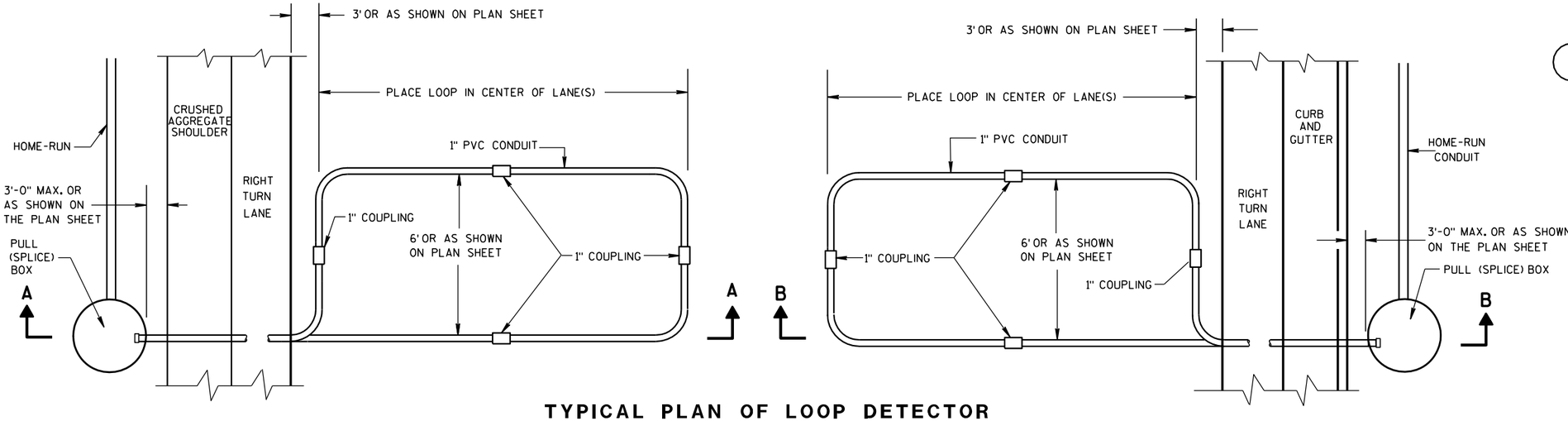
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

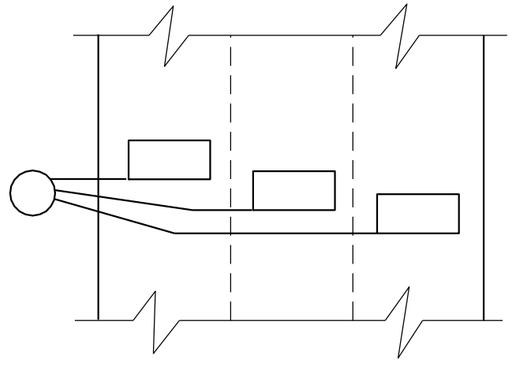
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 DATE
/S/ Balu Ananthar... STATE ELECTRICAL ENGI
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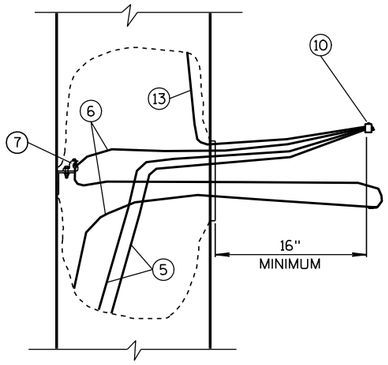
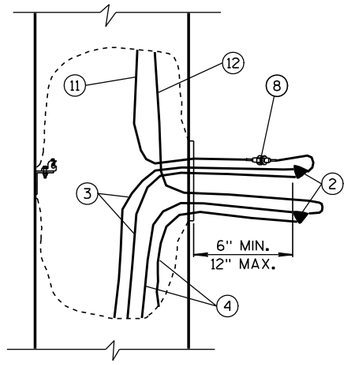
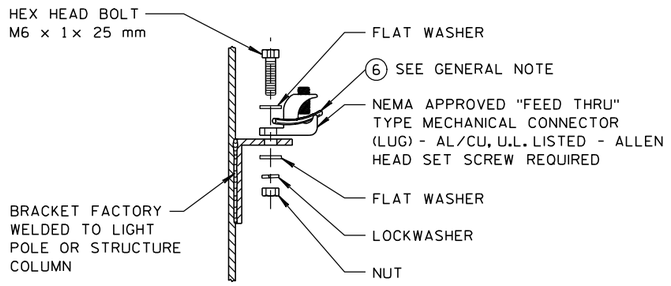


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



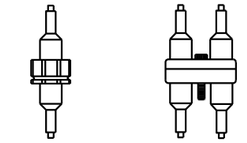
HANDHOLE GROUNDING LUG

(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.

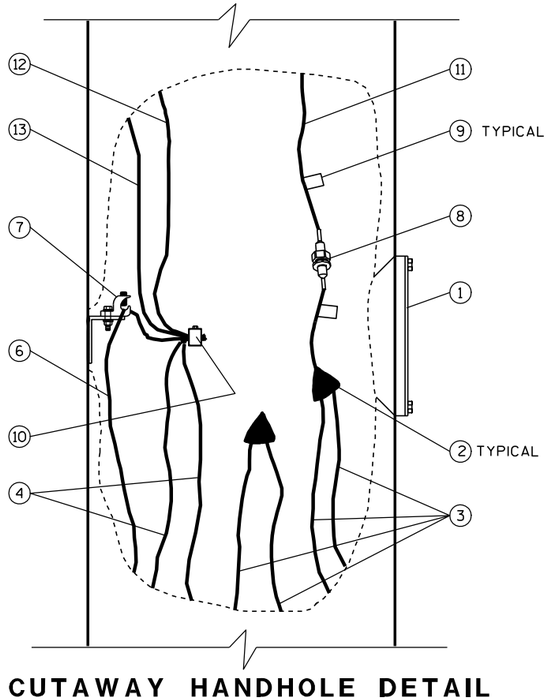
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

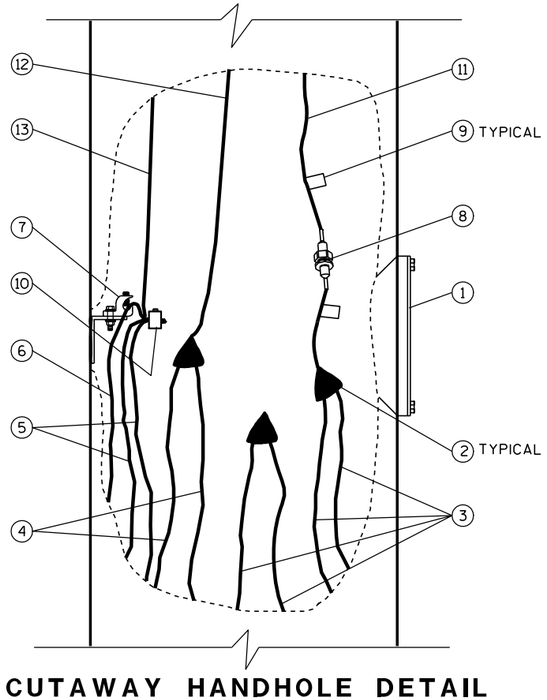
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

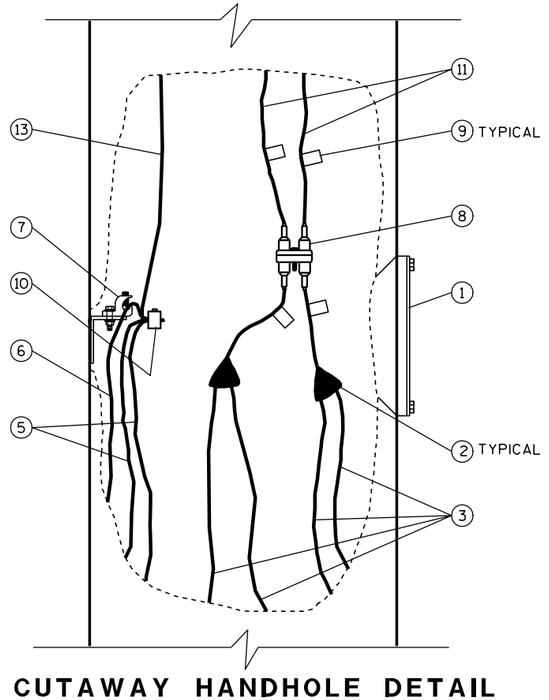
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



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
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010 DATE
/S/ John Corbin STATE ELECTRICAL ENGI
FHWA

HWYS

6

S.D.D. 10 A 1-2

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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.

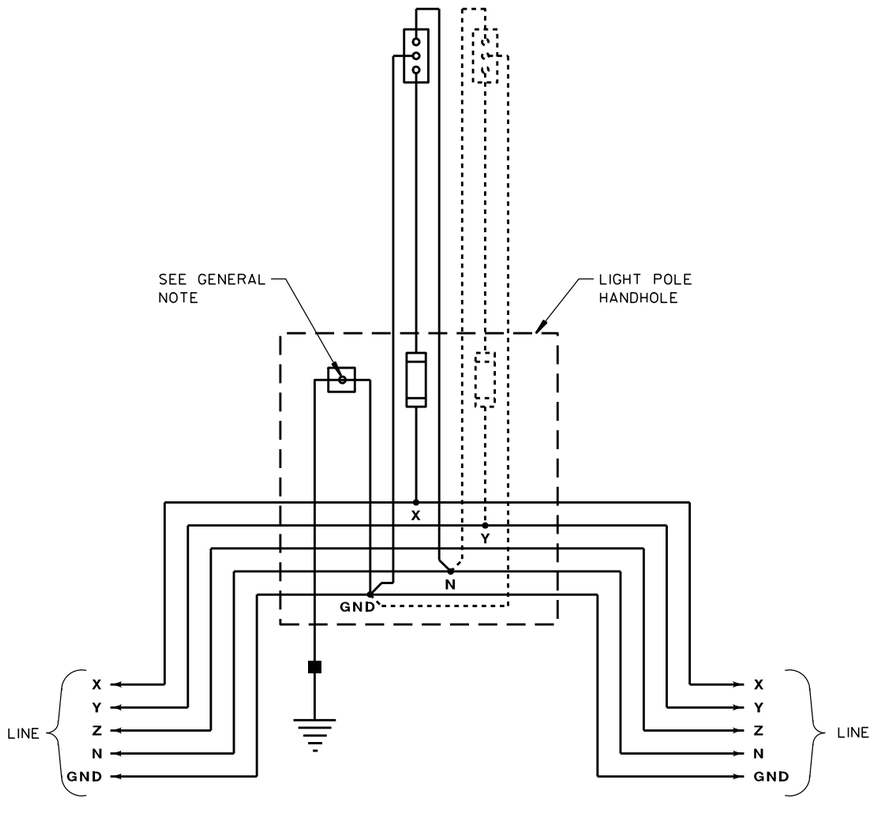
THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

HANDHOLE FUSE SCHEDULES

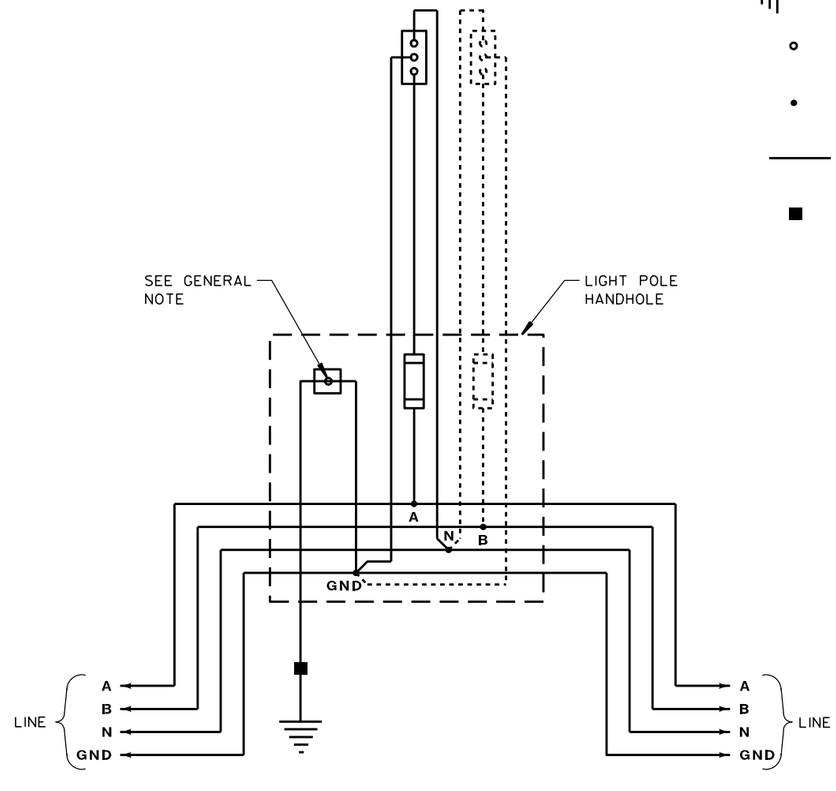
LINE VOLTAGE	BALLAST WATTAGE	
φ-GROUND	70-200 W	250-400 W
120 VAC	5 A	10 A
240 VAC	5 A	5 A
277 VAC	5 A	5 A
480 VAC	3 A	5 A

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
FHWA

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S.D.D. 10 A 5-2

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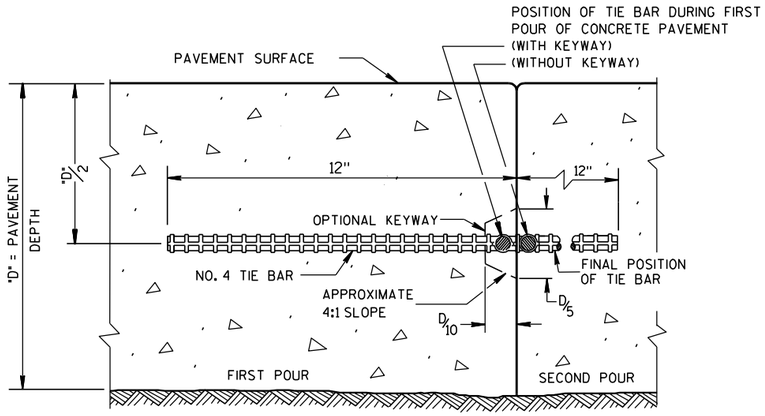
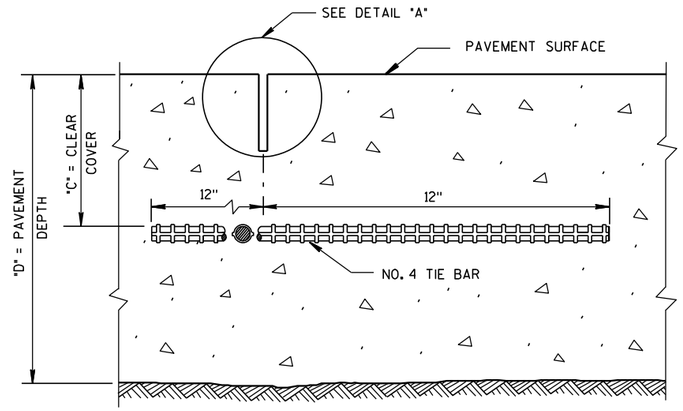
S.D.D. 10 A 5-2



CONSTRUCTION JOINT



SAWED JOINT

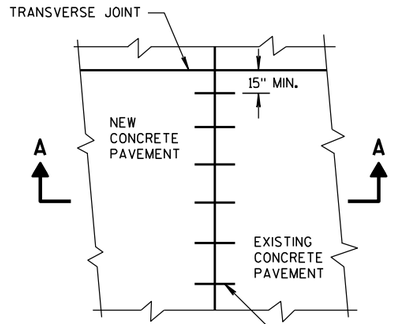
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

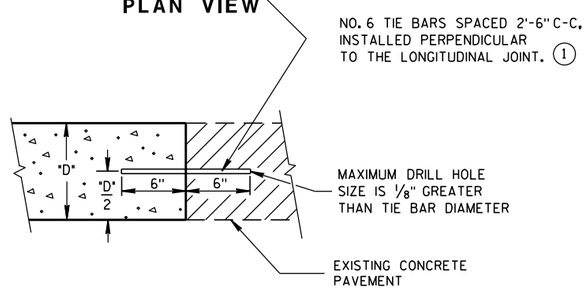
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

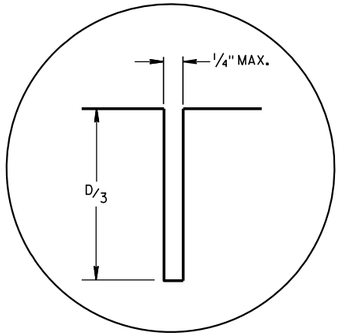
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

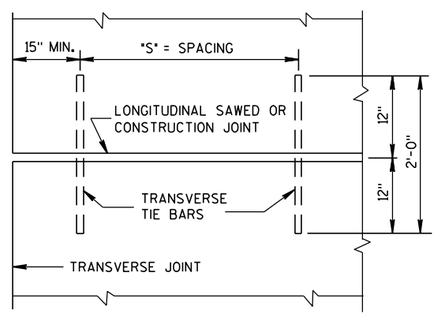


SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



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 ENGINEER
FHWA

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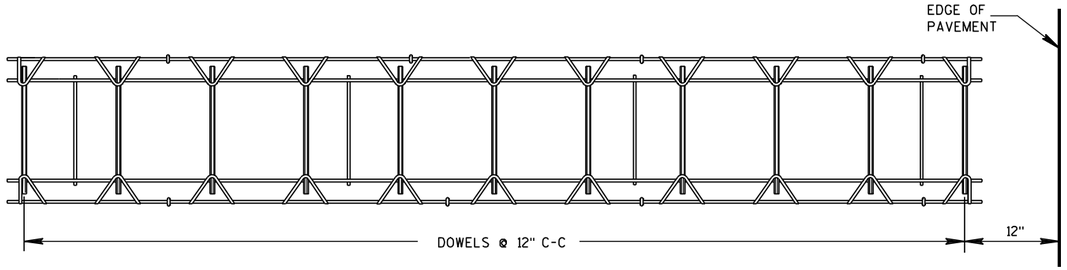
S.D.D. 13 C 1-15



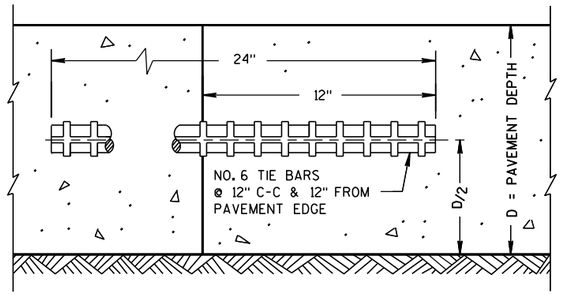
PLAN VIEW

SIDE VIEW

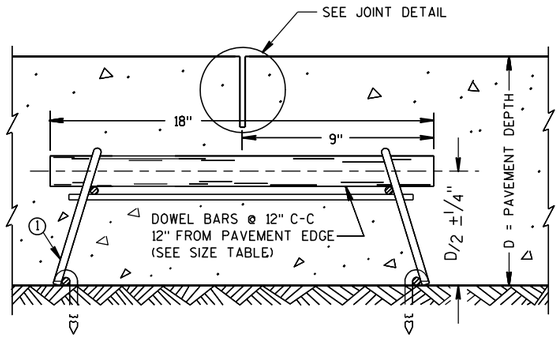
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION 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.

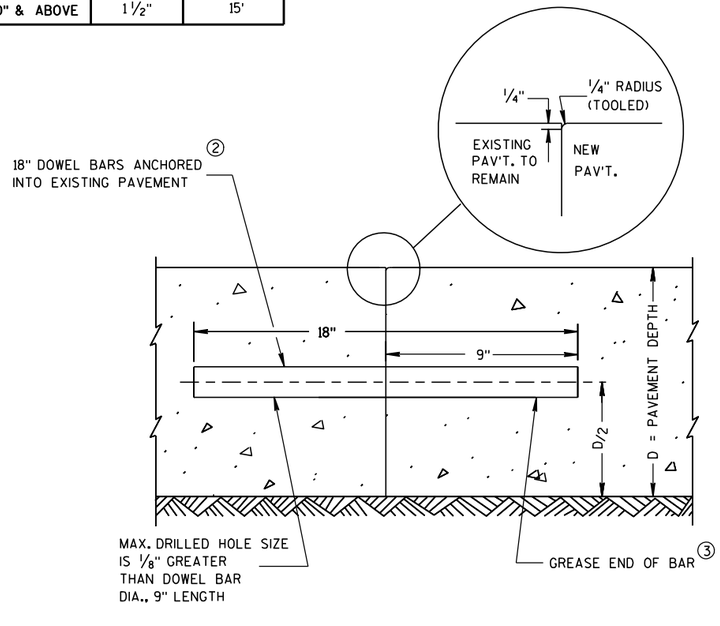
② ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

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:

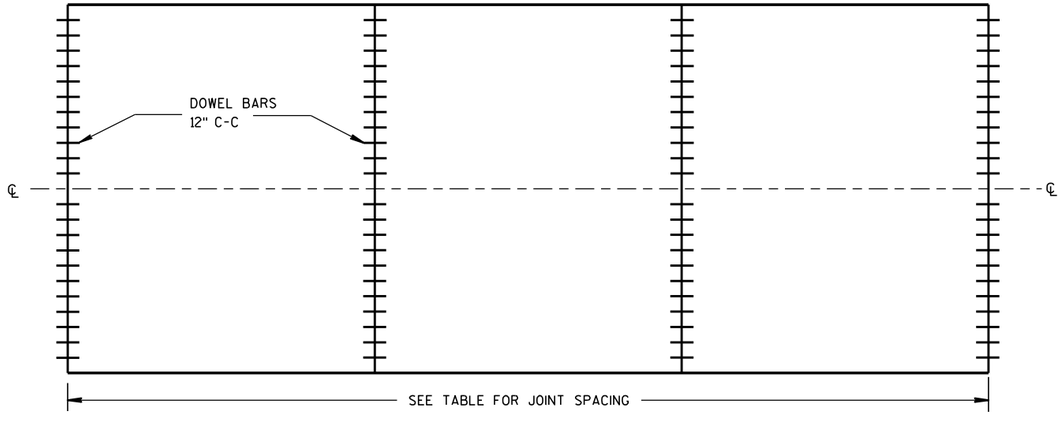
BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

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.

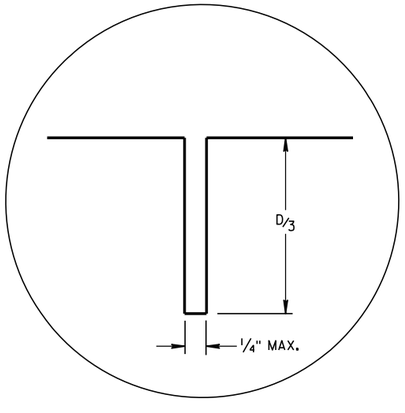


TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

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 & DESIGNER

FHWA

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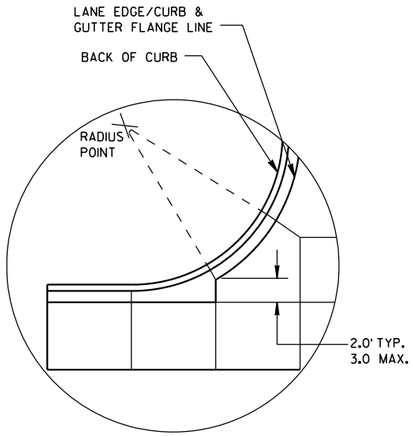
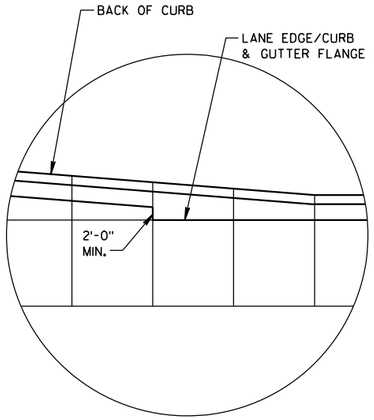
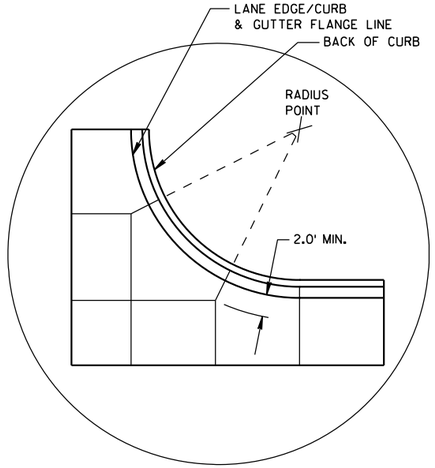
S.D.D. 13 C 13-7



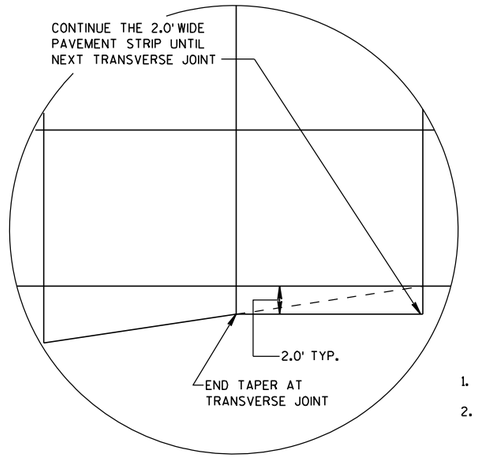
DETAIL "A"



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.

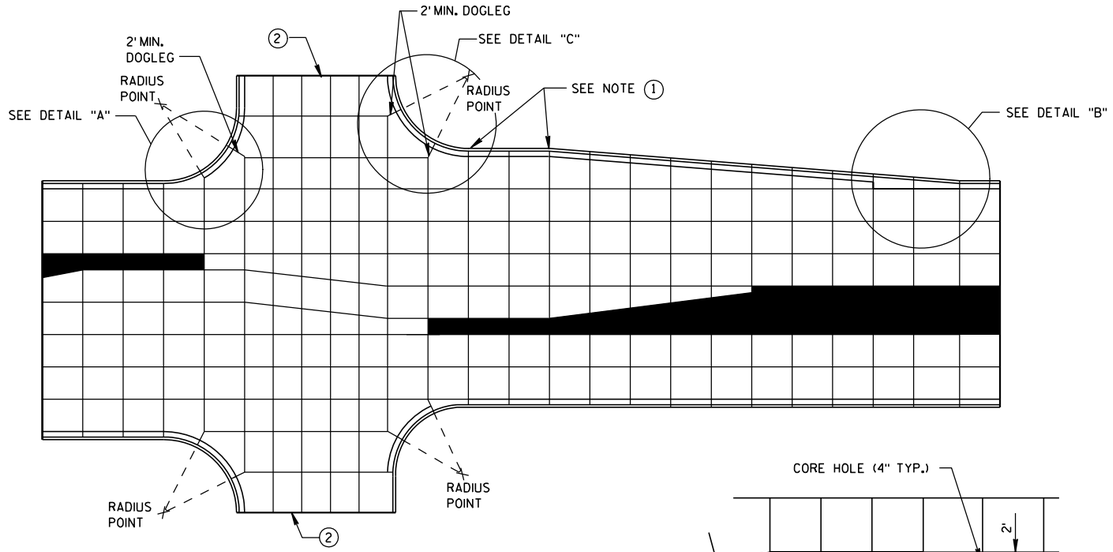
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

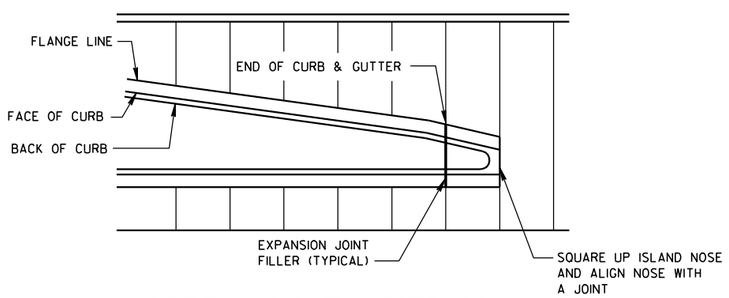
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



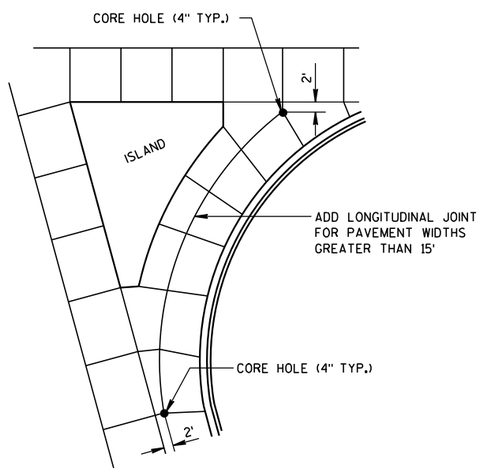
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

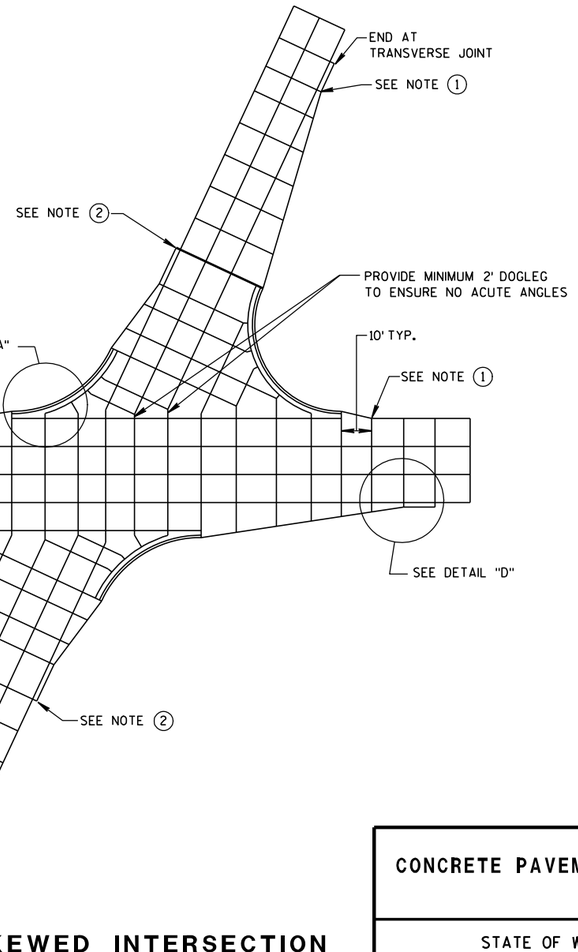
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

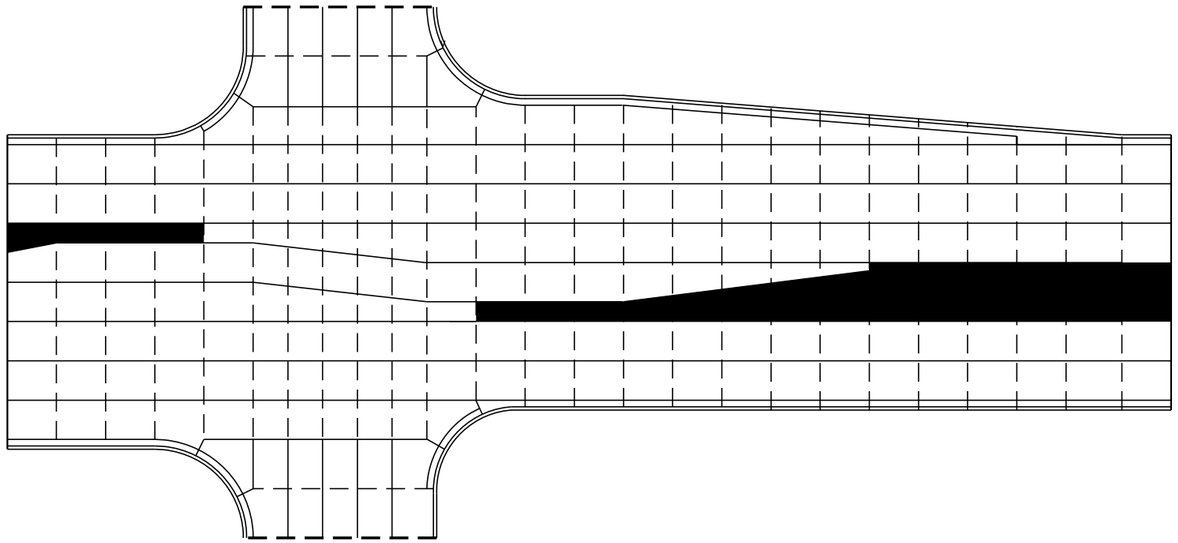
6
S.D.D. 13 C 18-1a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

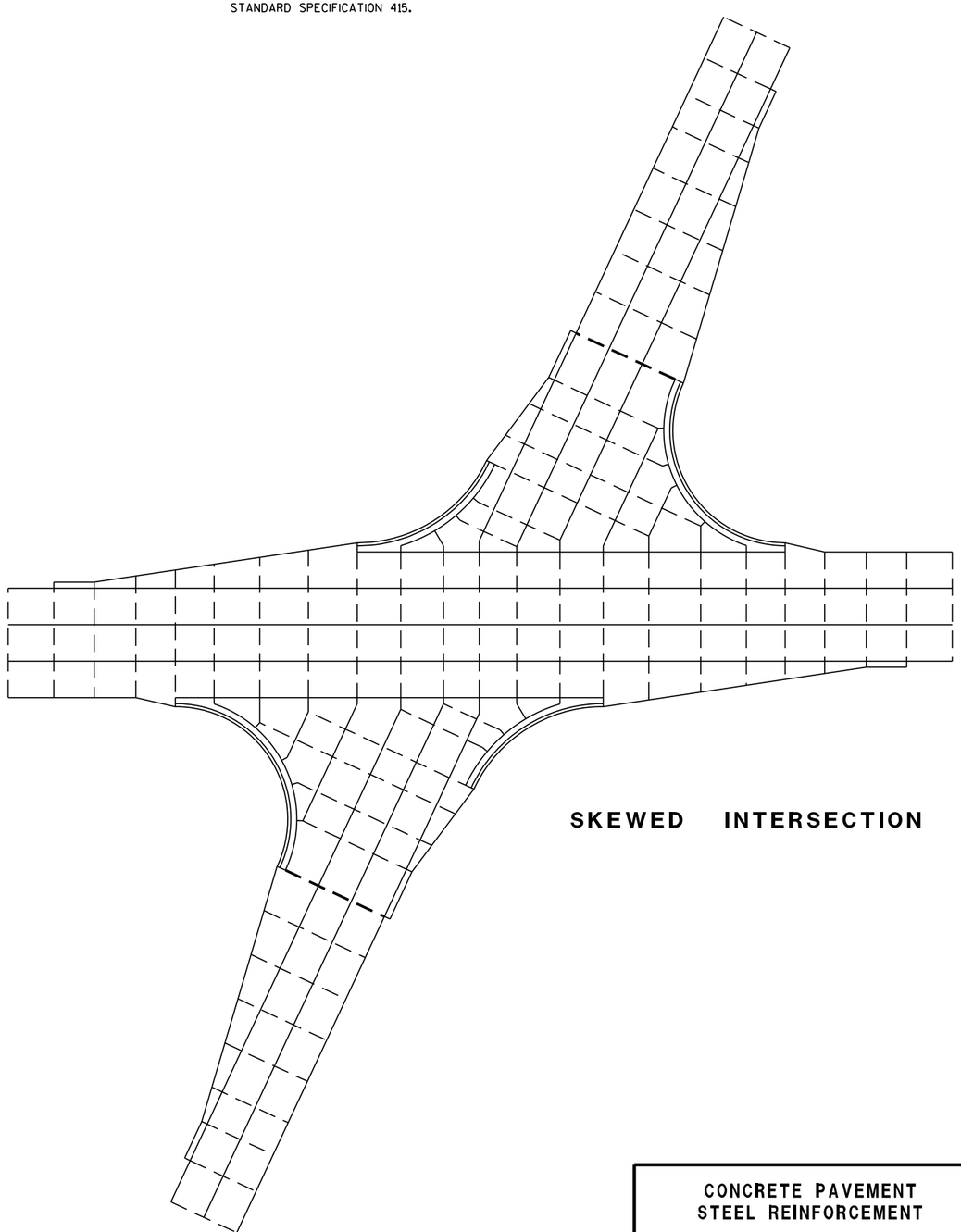
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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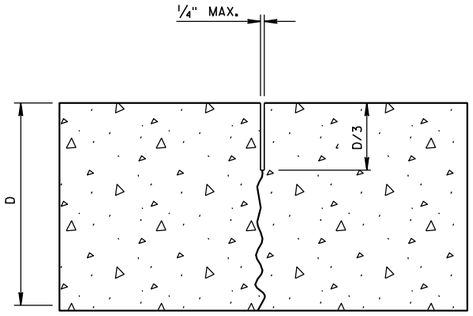
S.D.D. 13 C 18-1b

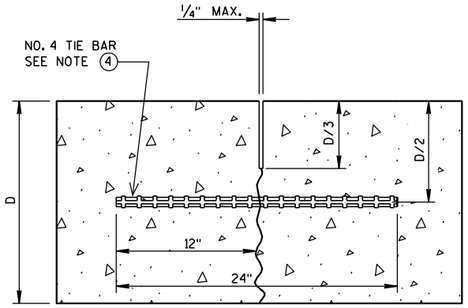
S.D.D. 13 C 18-1b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



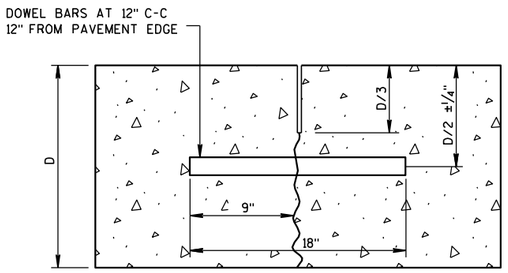
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

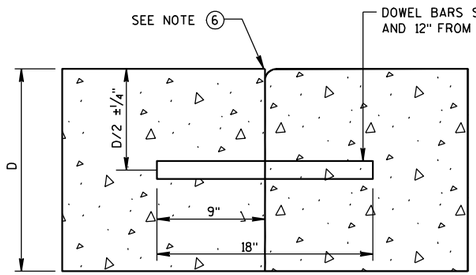
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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.



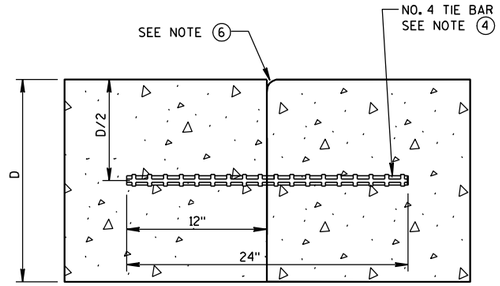
DOWELED-TRANSVERSE

CONTRACTION JOINTS

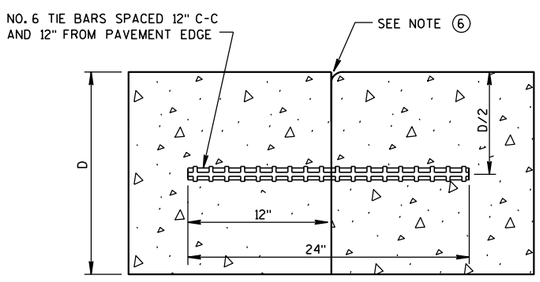
SEE NOTE (2)



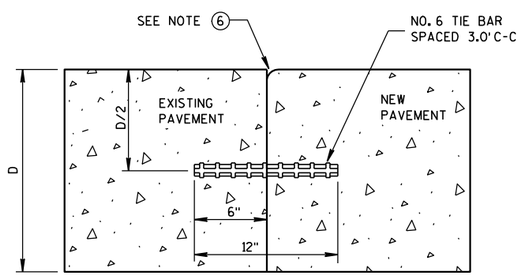
DOWELED TRANSVERSE



TIED LONGITUDINAL



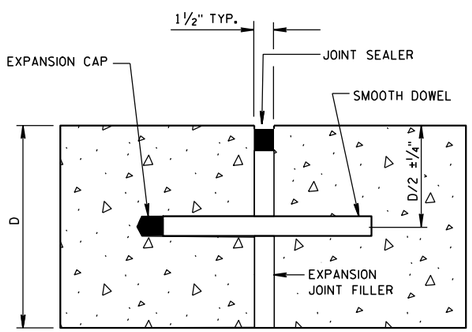
TIED TRANSVERSE
SEE NOTE (3)



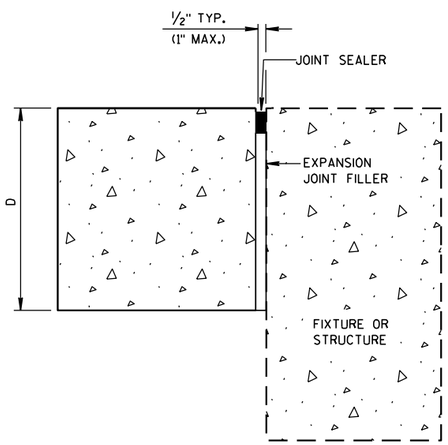
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

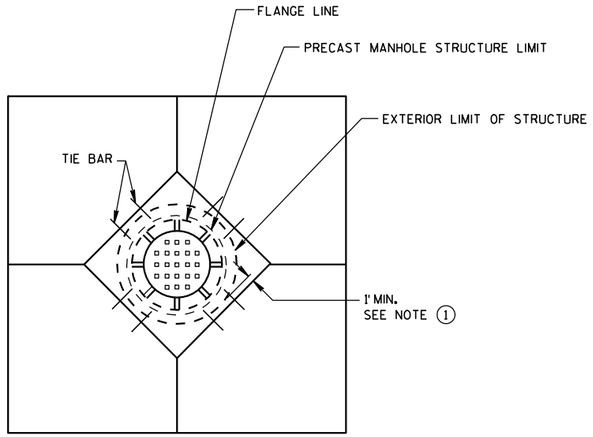
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

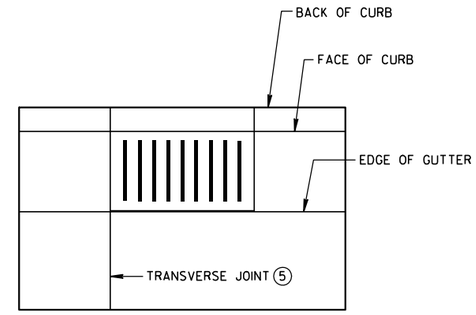
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

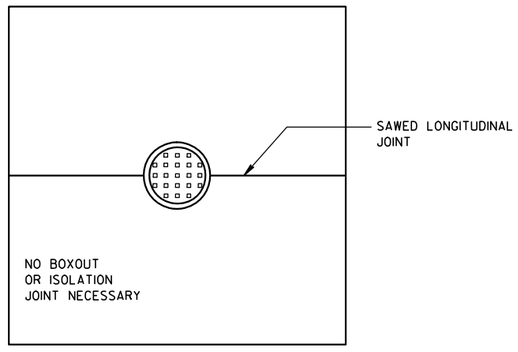
S.D.D. 13 C 18-1c



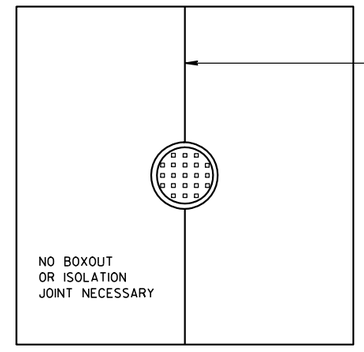
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



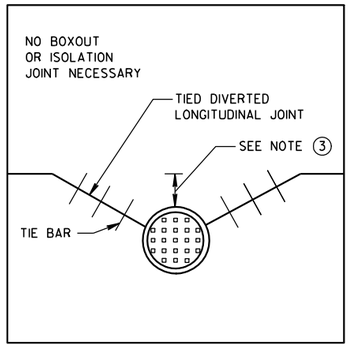
INLET WITH TRANSVERSE JOINT



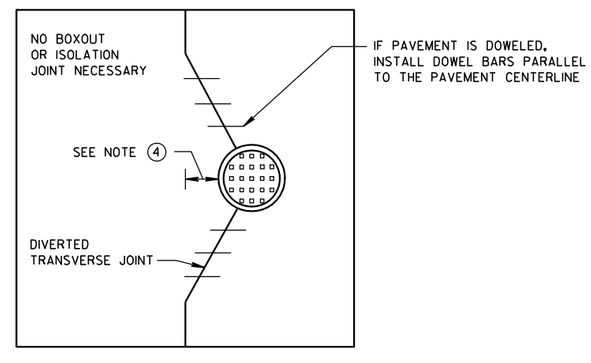
MANHOLE WITH LONGITUDINAL JOINT



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.

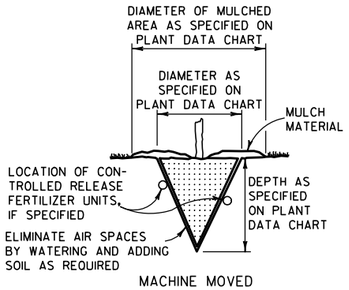
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

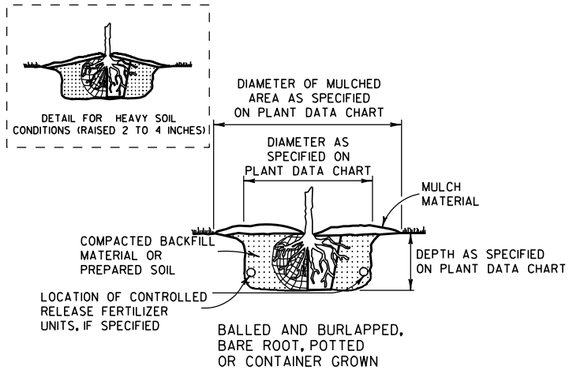
APPROVED
10-5-2010 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & D ENGINEER
FHWA

6

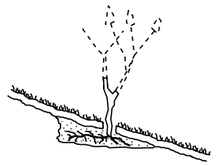
S.D.D. 13 C 18-1d



MACHINE MOVED

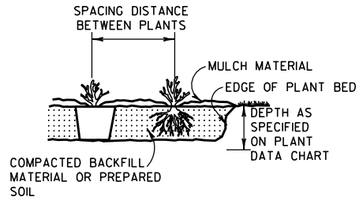


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



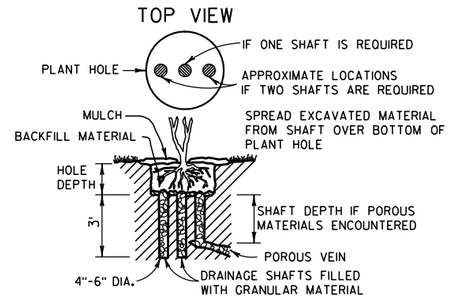
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



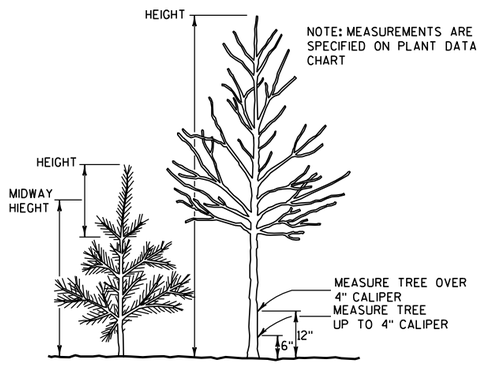
PREPARED BED (BARE ROOT AND POTTED)

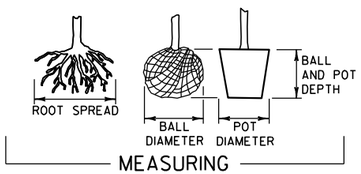
PLANTING



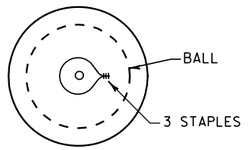
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

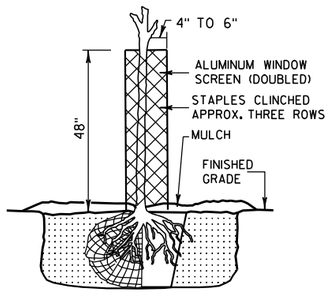




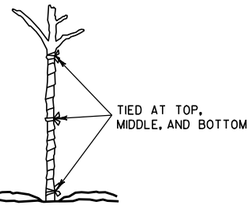
MEASURING



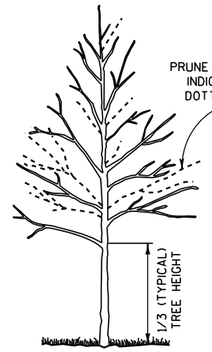
TOP VIEW



RODENT PROTECTION



WRAPPING

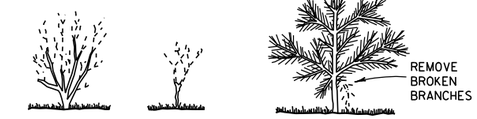


TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

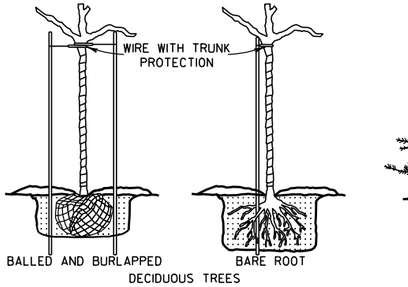


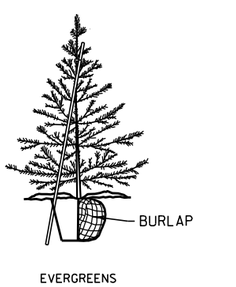
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

SUMAC

TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

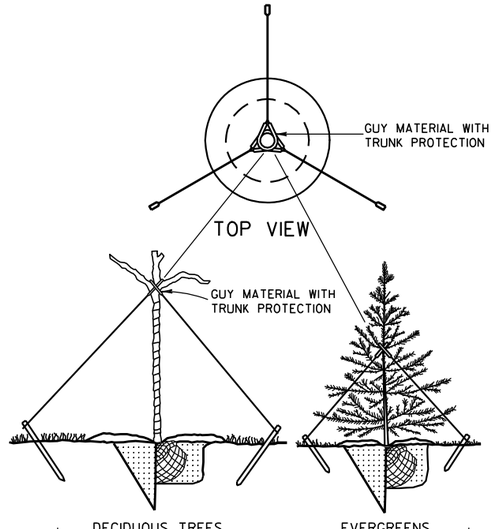
PRUNING





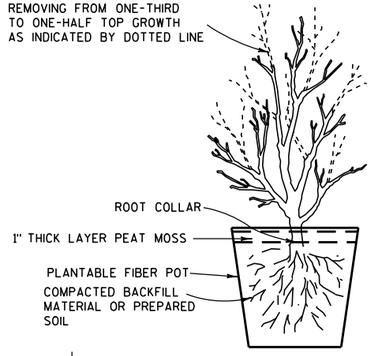
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

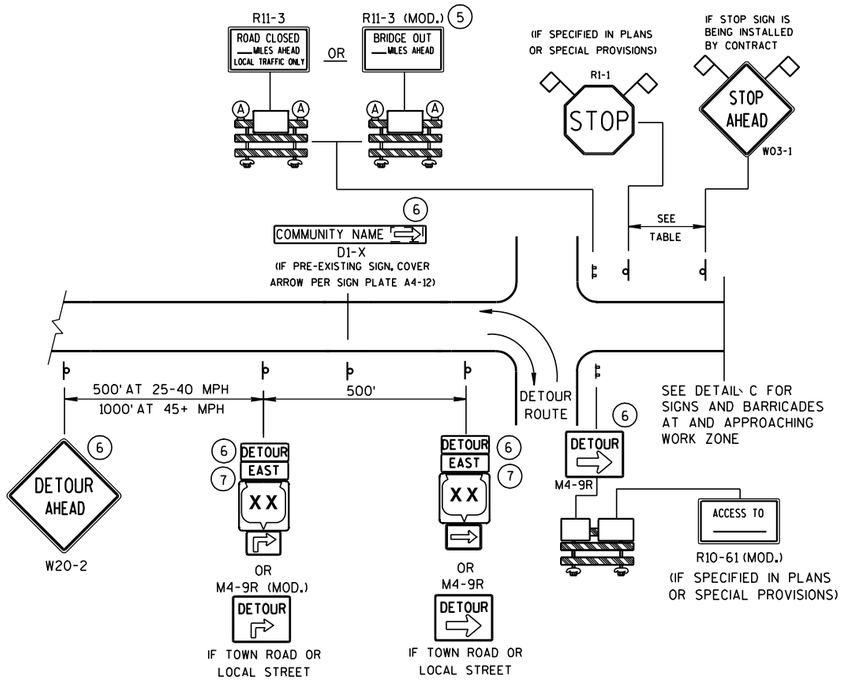
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 A 2-1

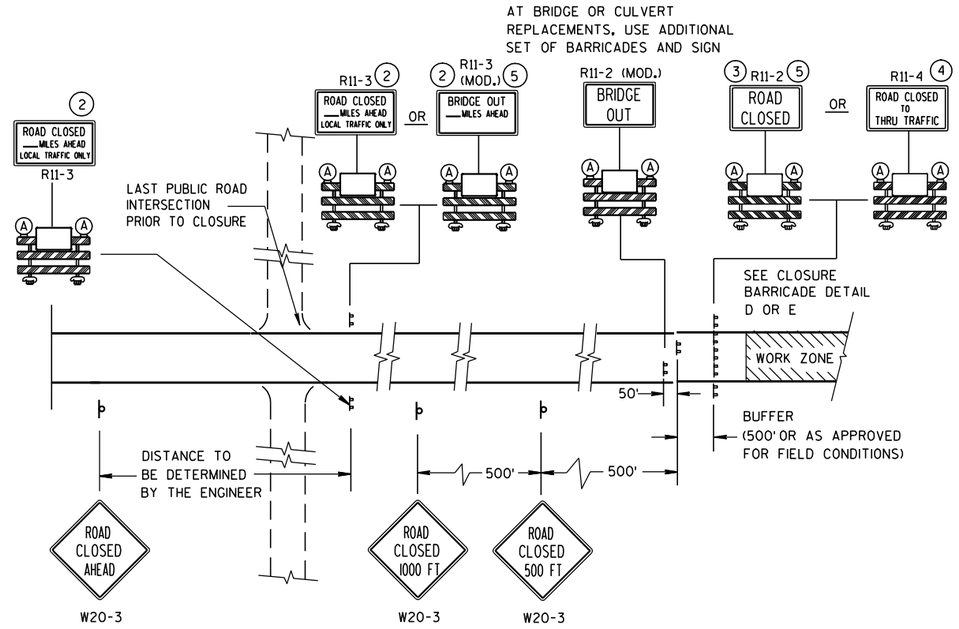
S.D.D. 14 A 2-1



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

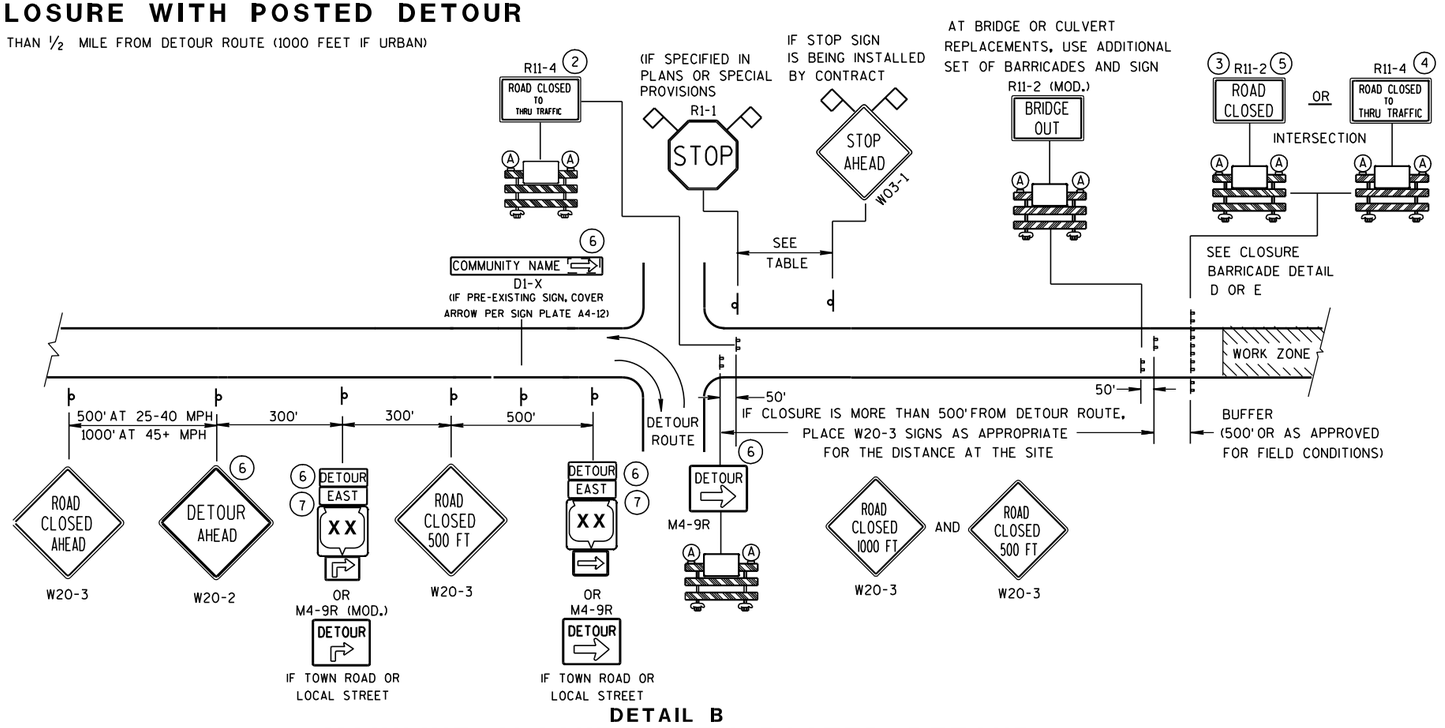


DETAIL C

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

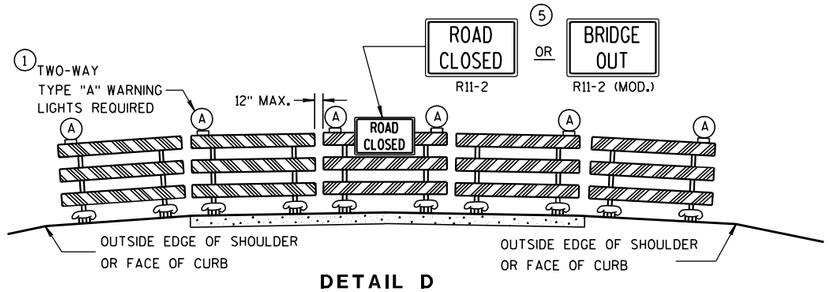
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

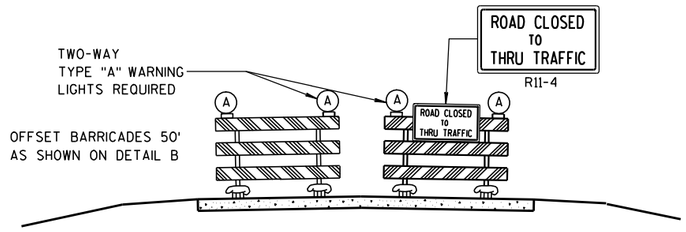
S.D.D. 15 C 2-4a



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

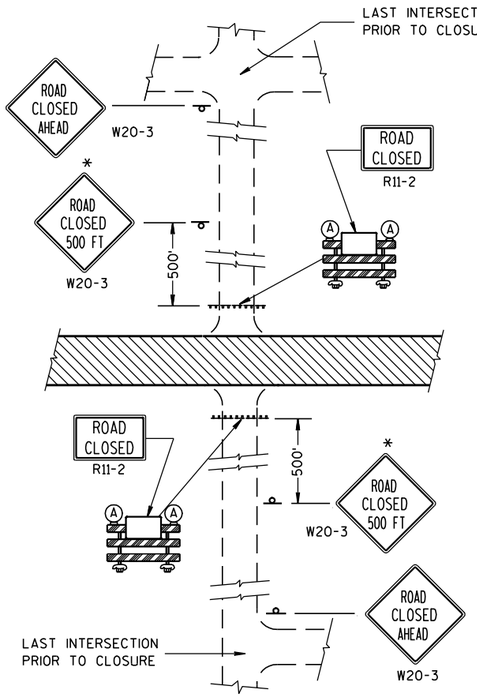
9/16/03 — DATE

/S/ Thomas N. N[illegible] — CHIEF SIGNS AND MARKINGS ENGINEER

FHWA

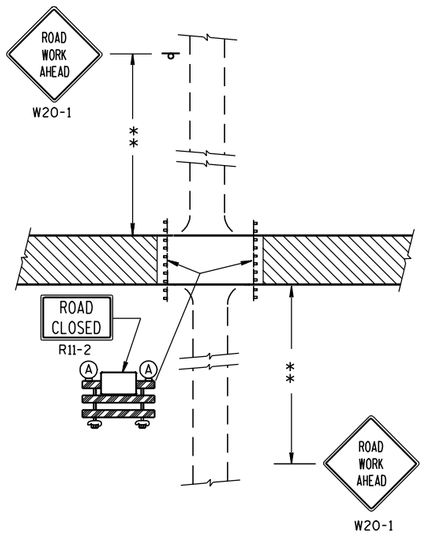
6

S.D.D. 15 C 2-4b



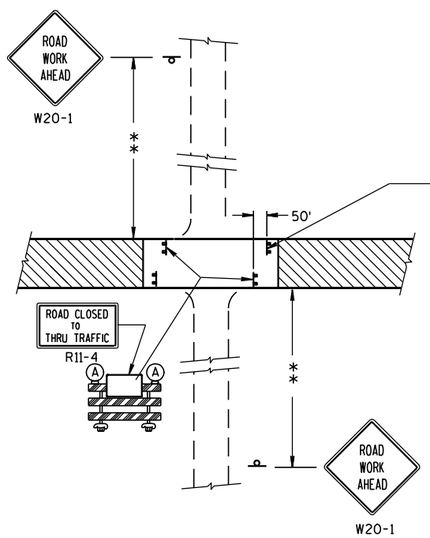
DETAIL 1

(NO ACCESS TO PROJECT)



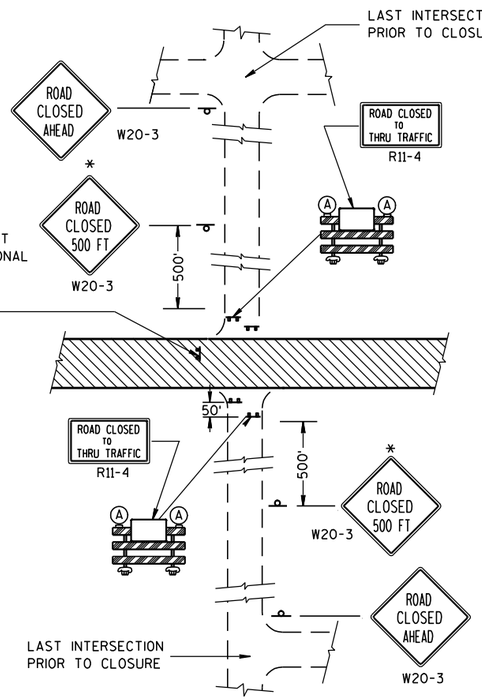
DETAIL 2

(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

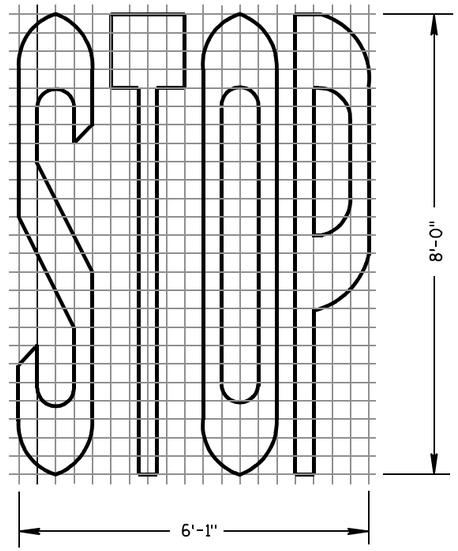
/S/ Thomas N. N[illegible] CHIEF SIGNS AND MAR[illegible] INEER

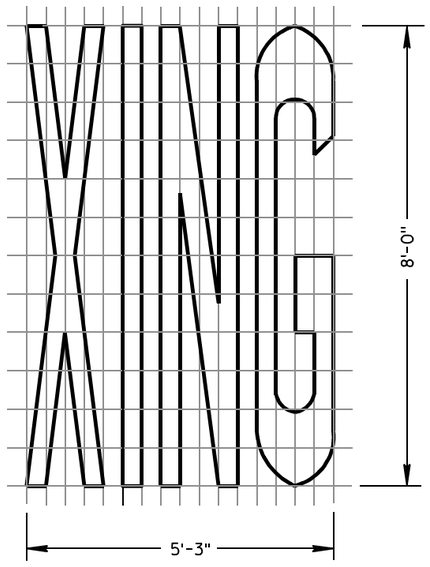
FHWA

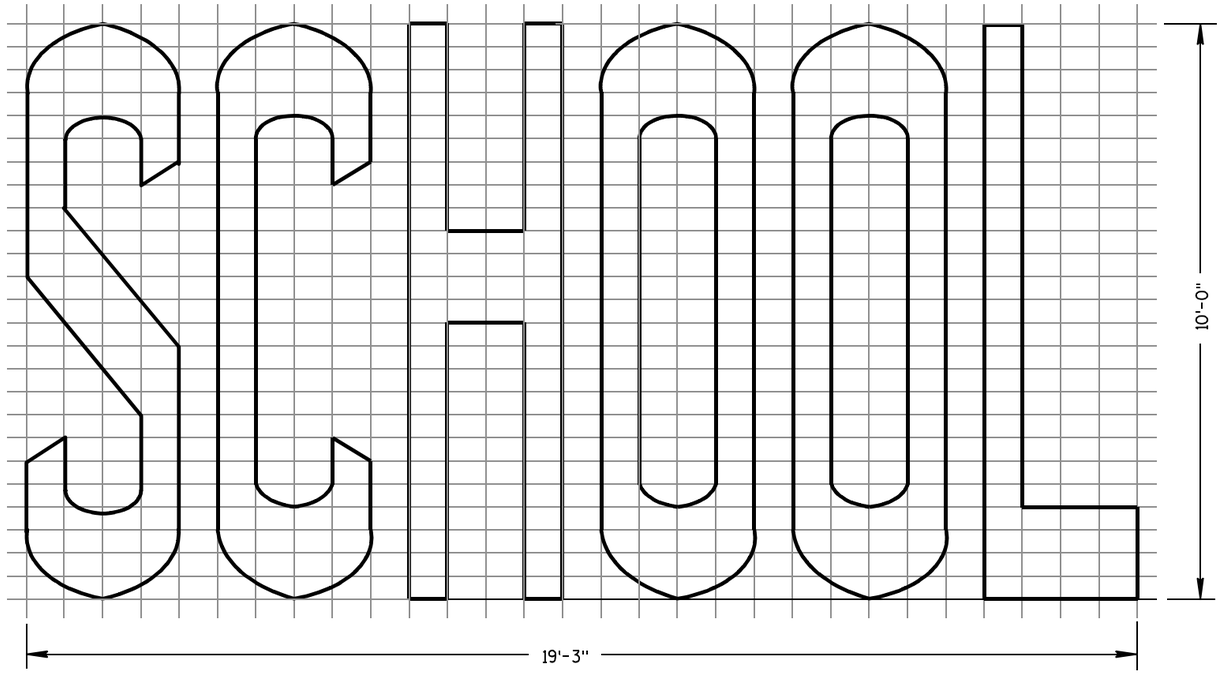
GENERAL NOTES

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.

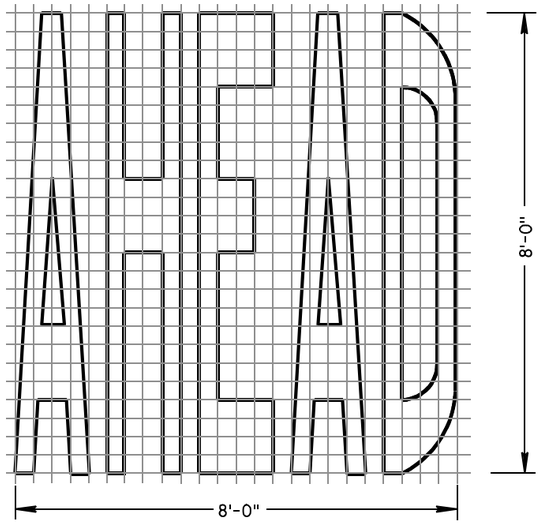
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

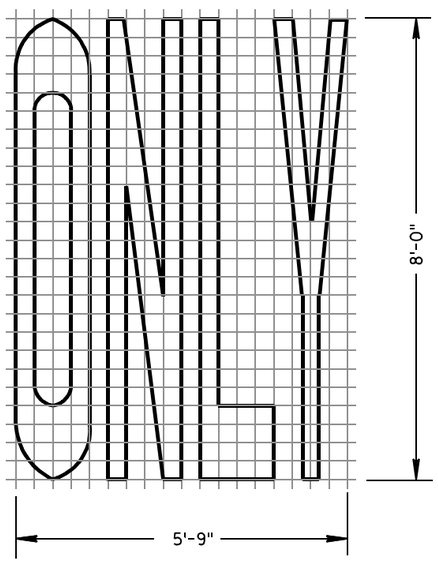


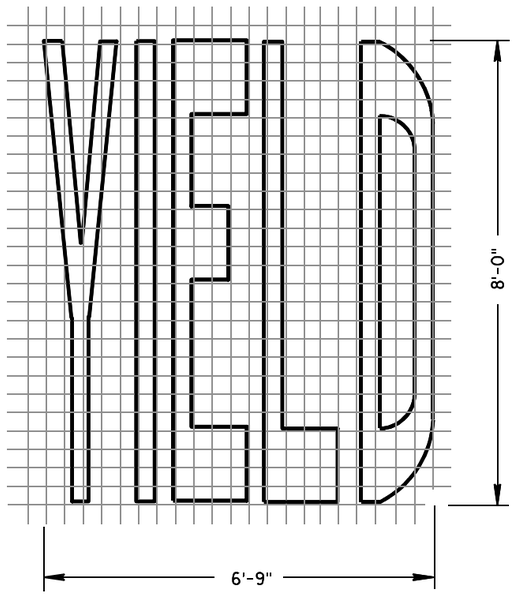


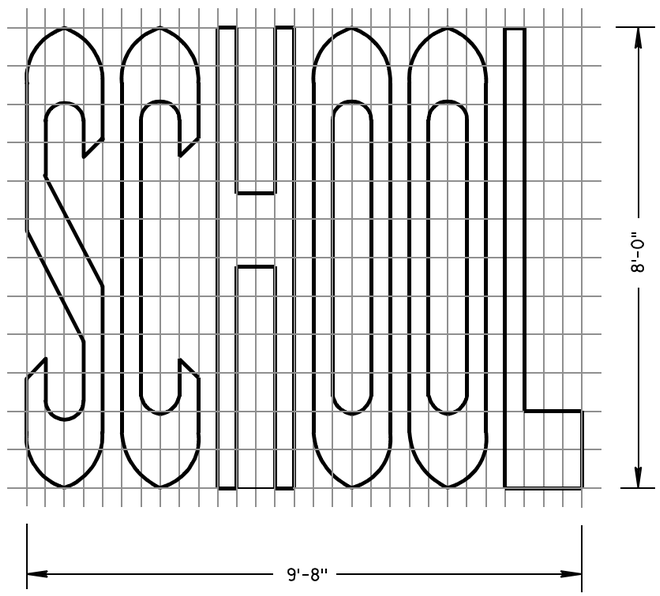


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

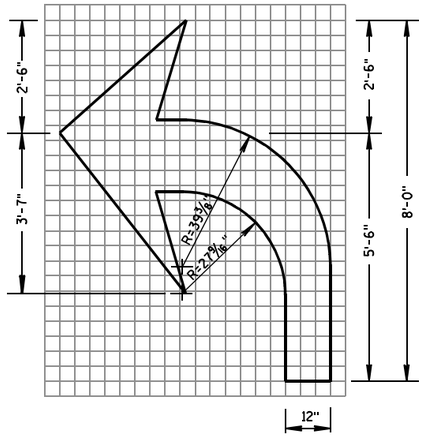
FHWA

6

S.D.D. 15 C 7-12b

6

S.D.D. 15 C 7-12b



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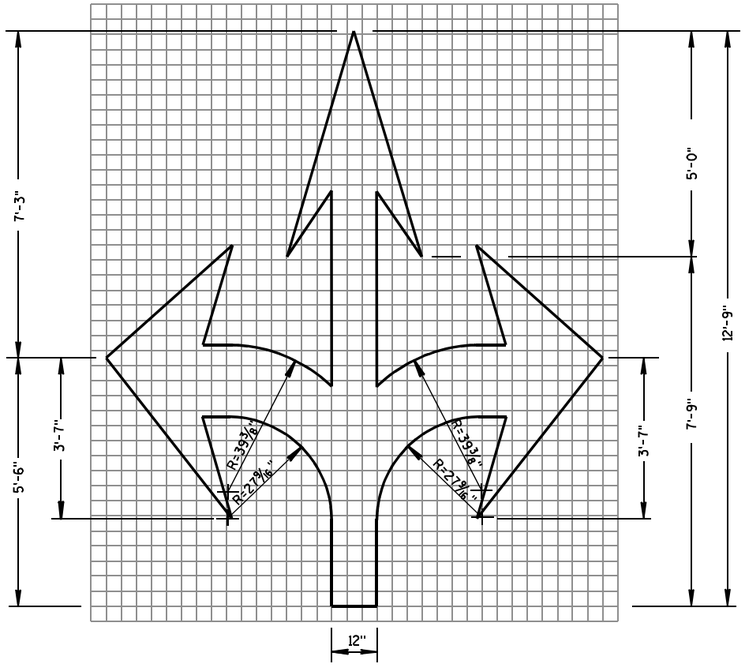

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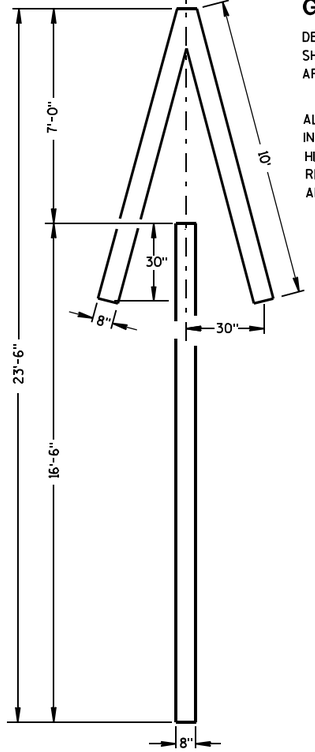
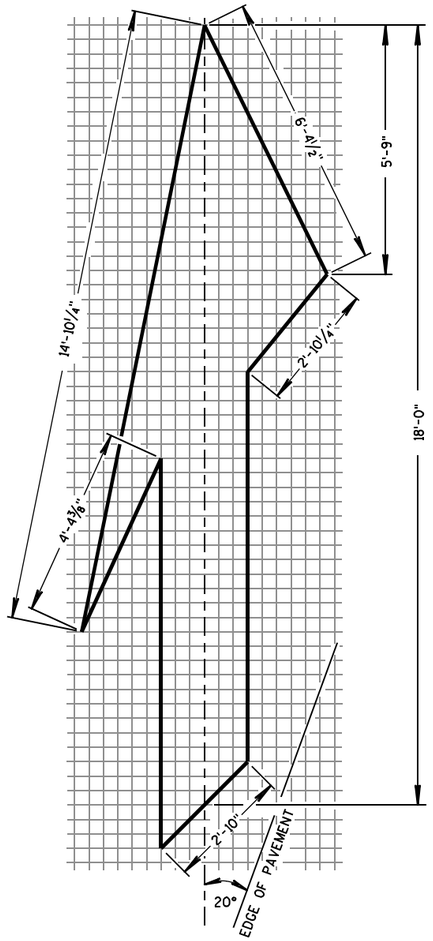


TYPE 4

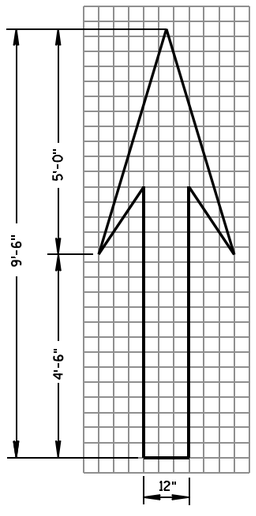
GENERAL NOTES

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.

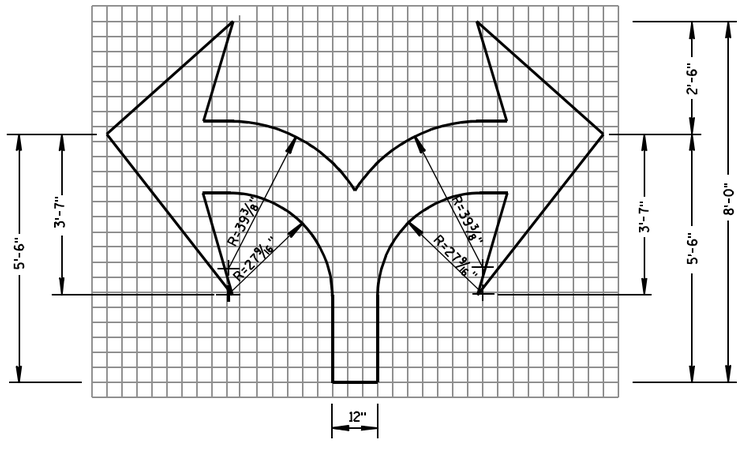
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



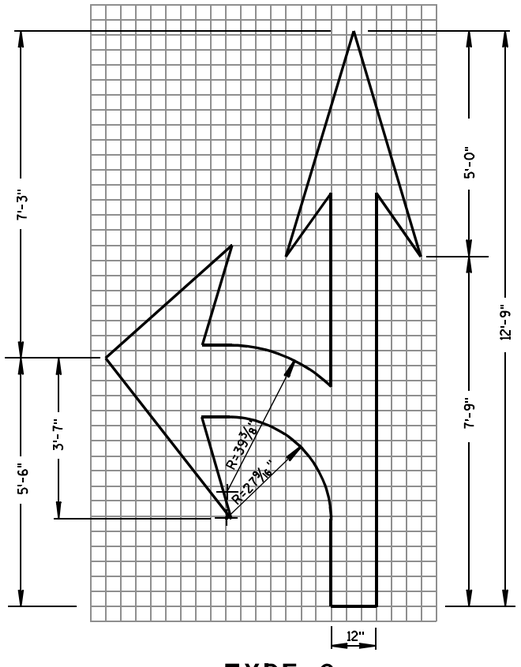
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nathobm — STATE TRAFFIC ENGINEER

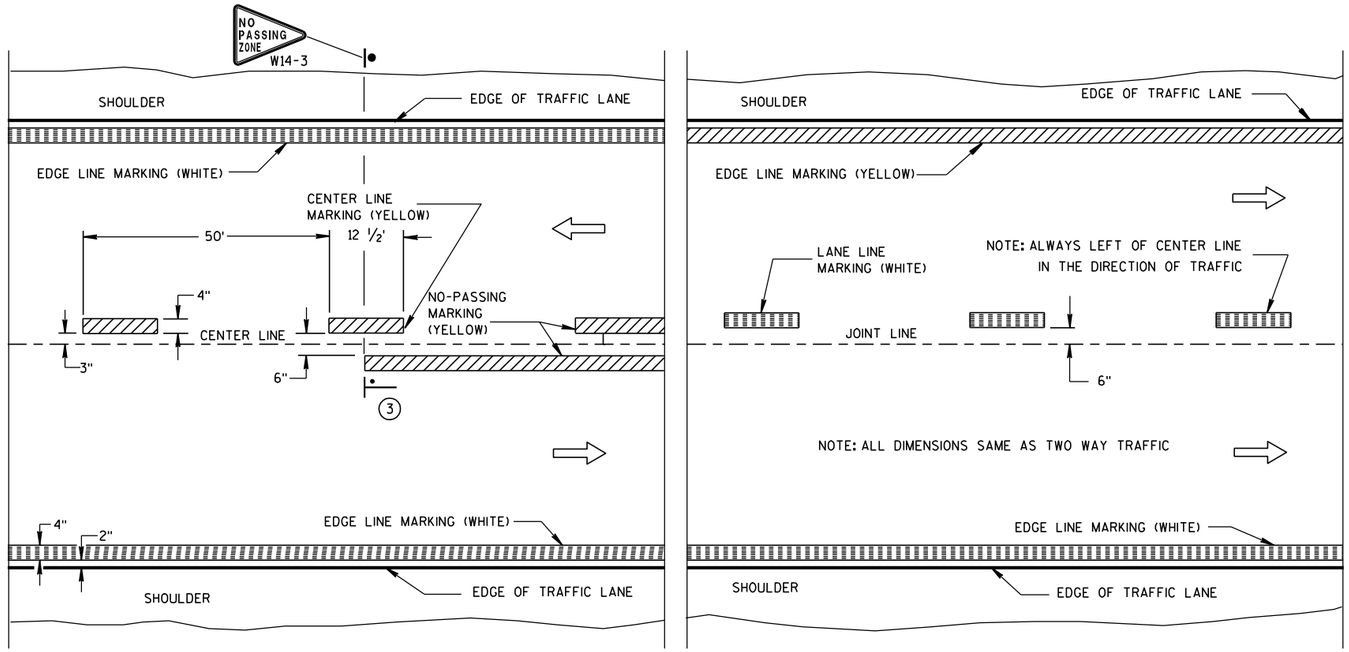
FHWA

6

S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

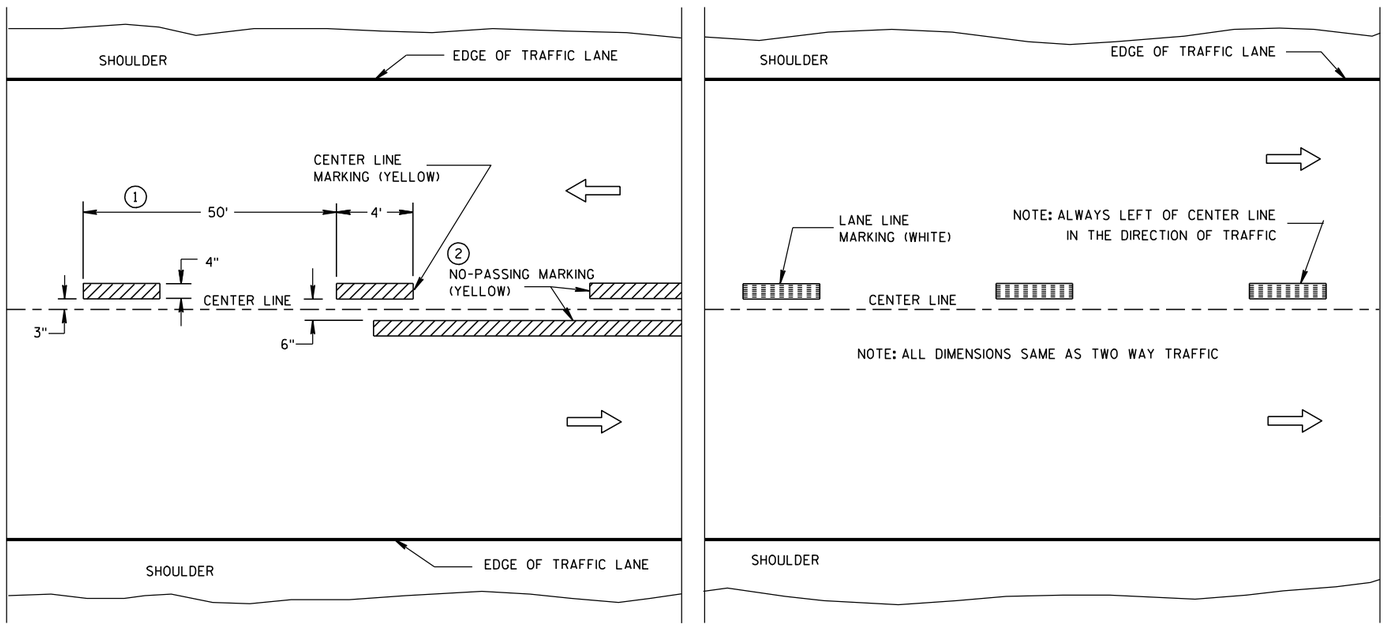
(1) HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

(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.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

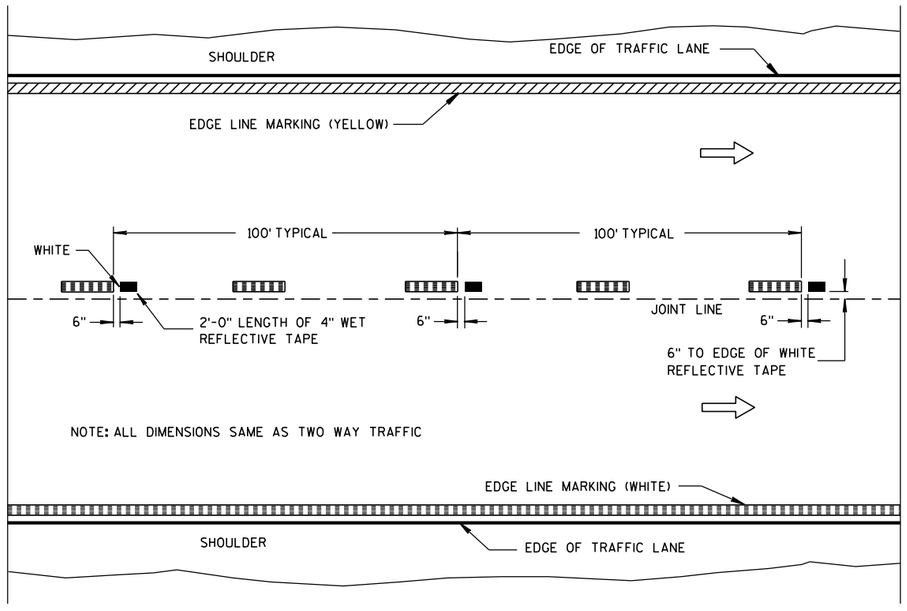


TWO WAY TRAFFIC

ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)



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
6-23-11 — DATE
/S/ Thomas N. Notbohm — STATE TRAFFIC ENGINEER

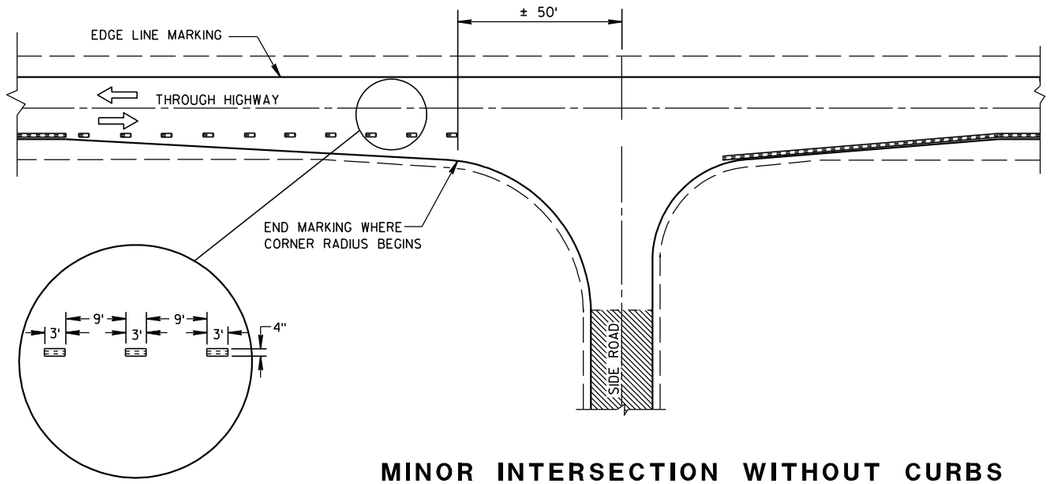
FHWA

6

S.D.D. 15 C 8-14a

6

S.D.D. 15 C 8-14a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

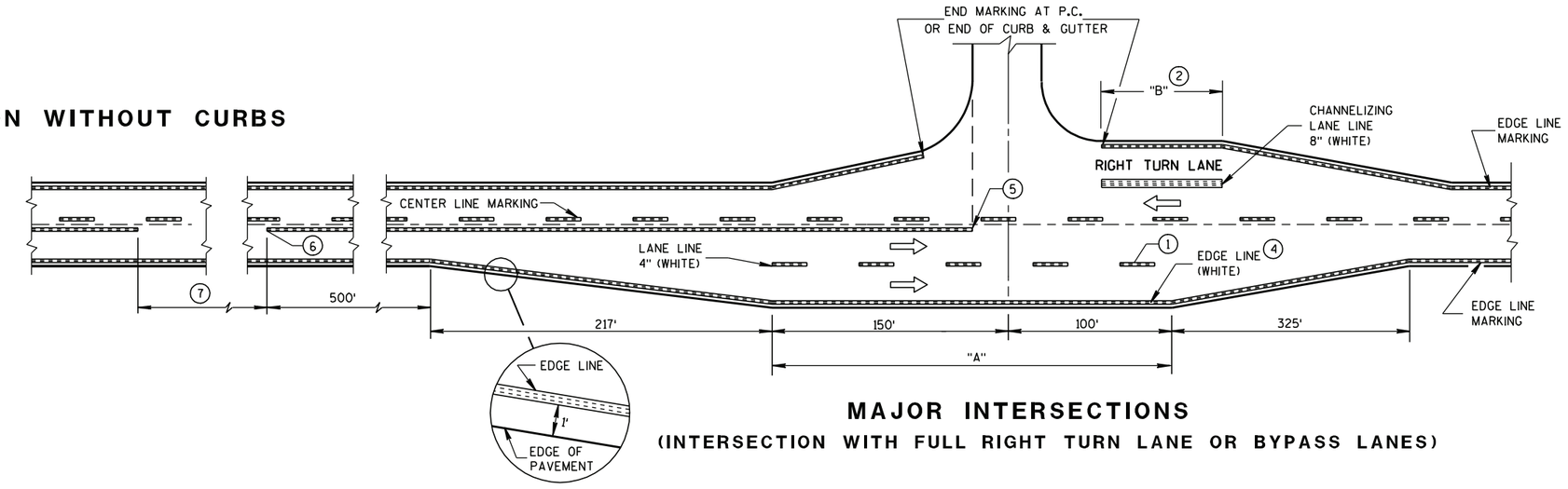
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

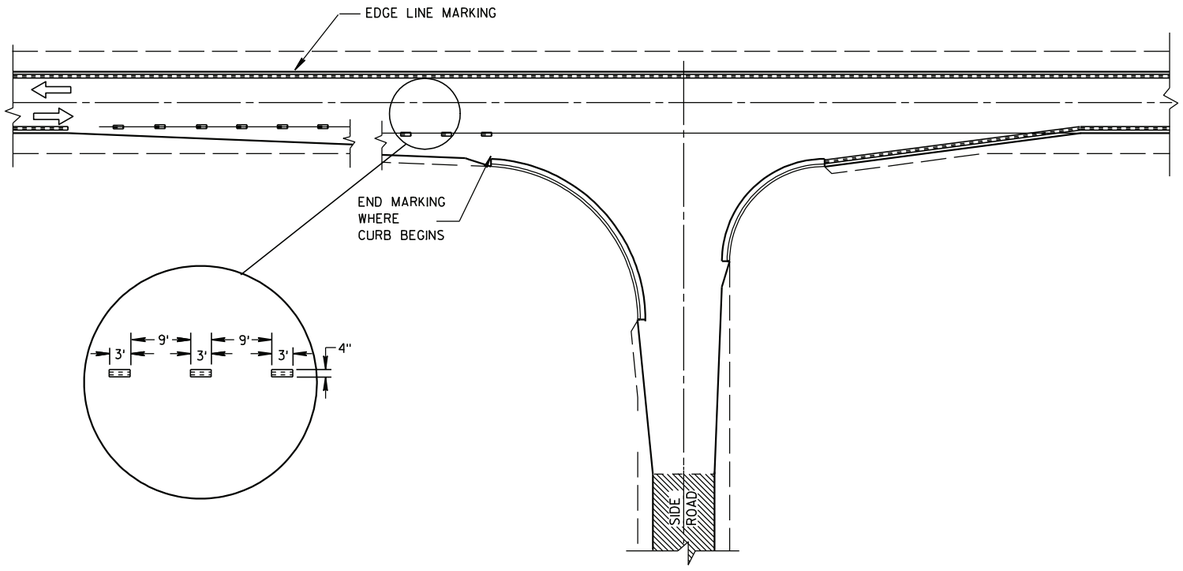
ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

(7)

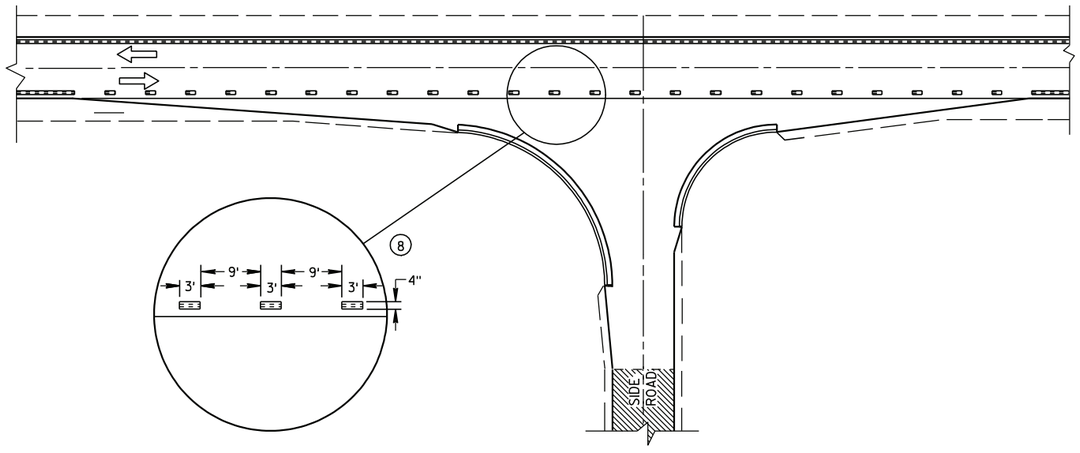
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING (INTERSECTIONS)

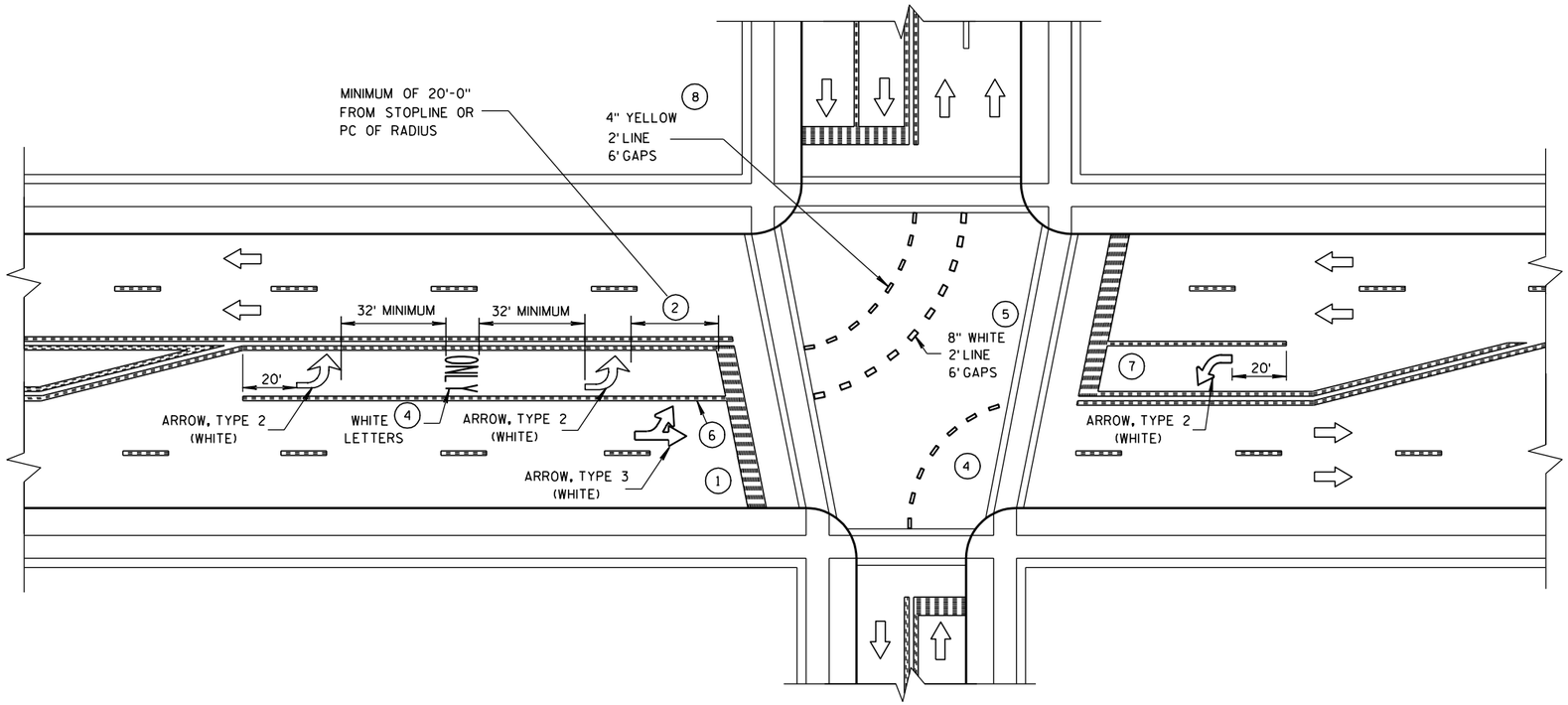
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 8-14b

6

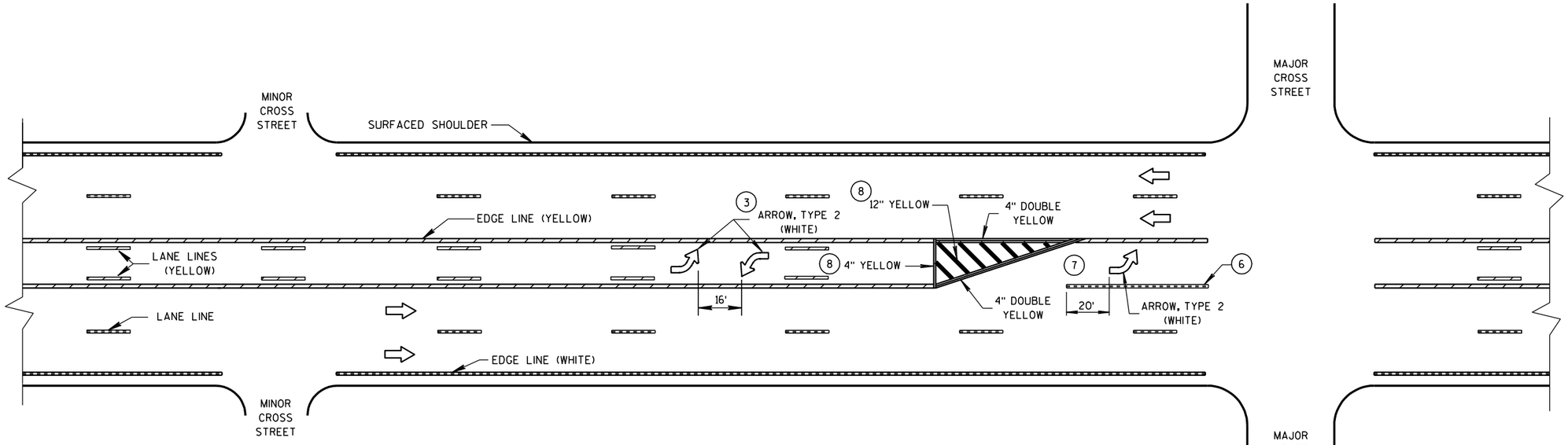
S.D.D. 15 C 8-14b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400' OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA ARROW AND ONLY PER 160' OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108'.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



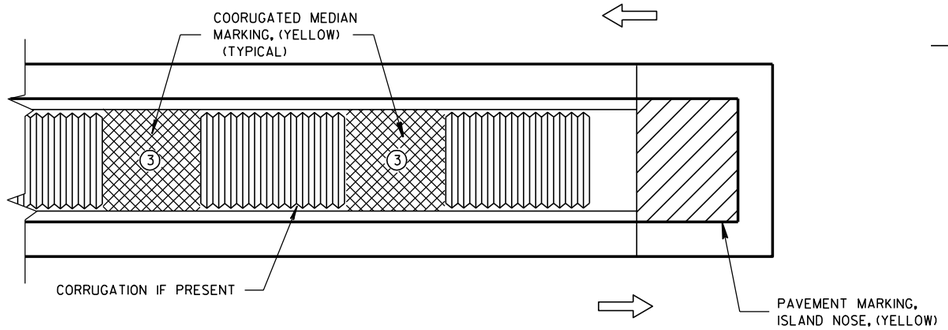
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(LEFT TURN LANE)

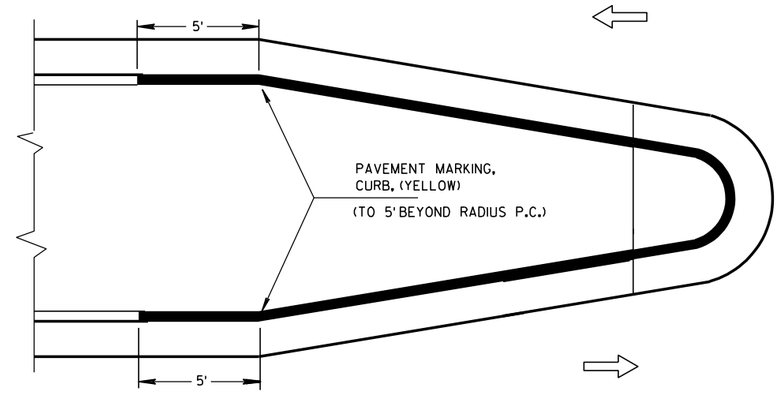
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

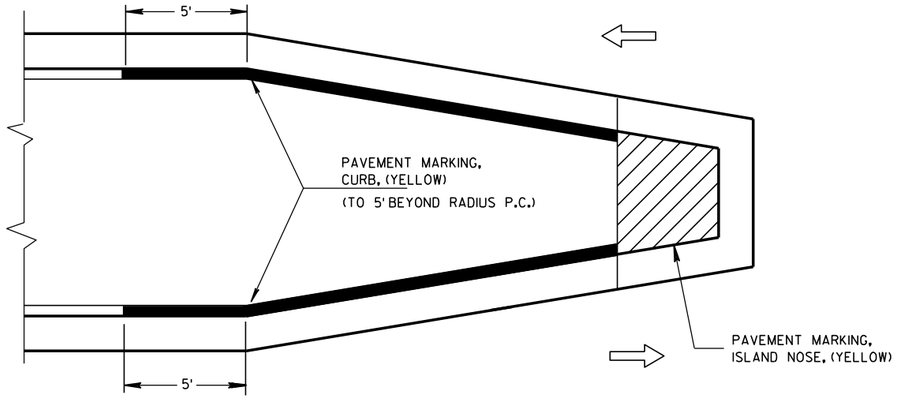
S.D.D. 15 C 8-14e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

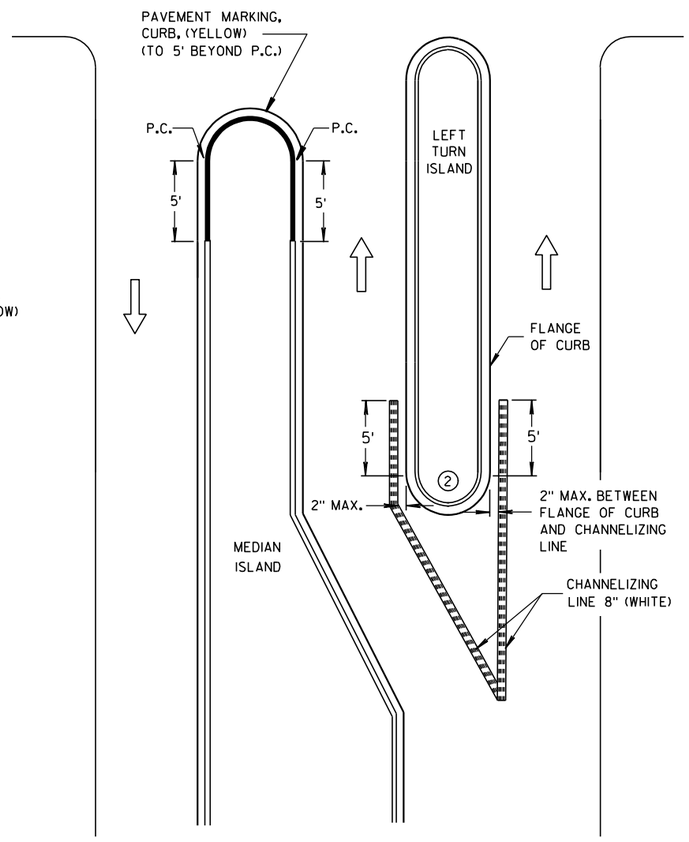


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

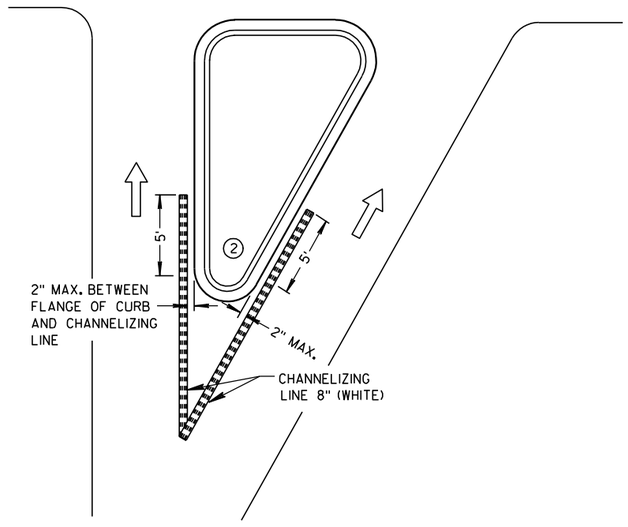
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



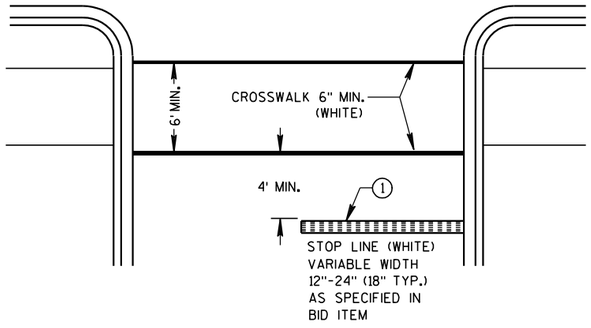
LEFT TURN & MEDIAN ISLAND

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 MAKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 8-14f

6

S.D.D. 15 C 8-14f

TWO-LANE ROADWAY

SYMBOLS

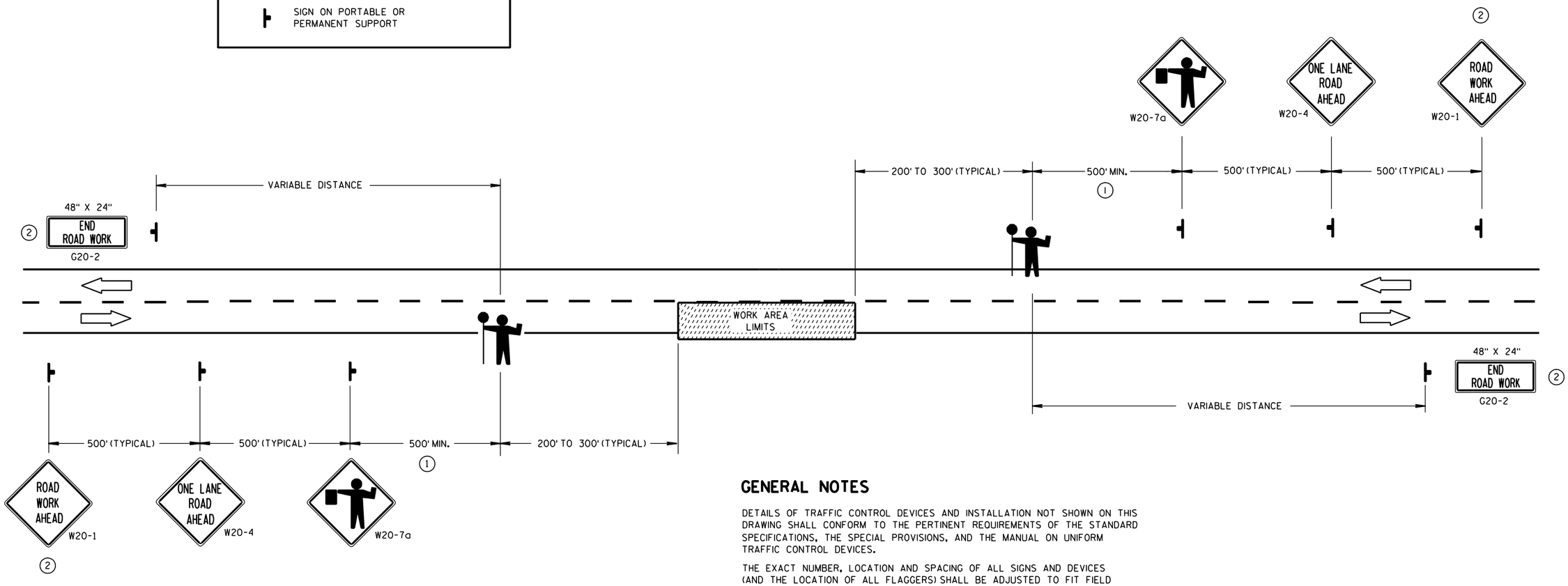
WORK AREA

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

FHWA

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S.D.D. 15 C 12-3

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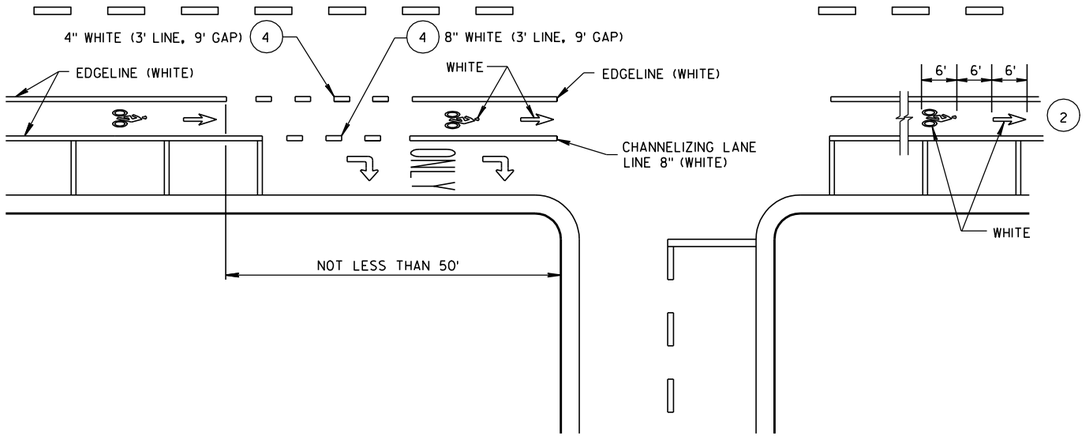
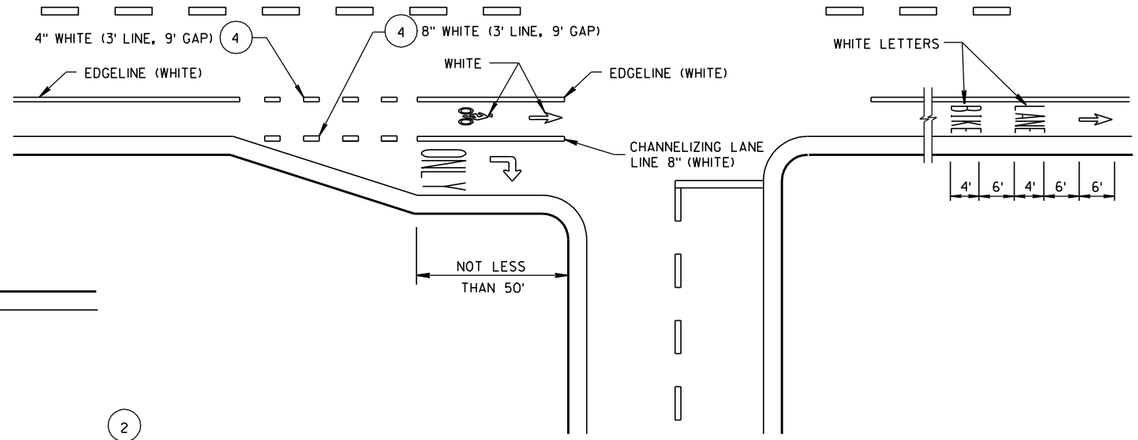
S.D.D. 15 C 12-3



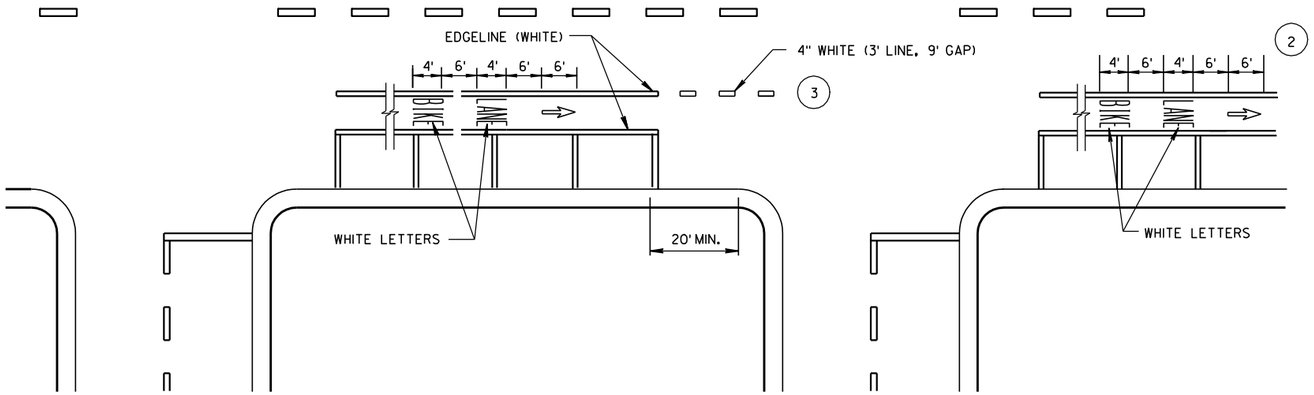
DESIGNATED BICYCLE LANE

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. WHEN SPECIFIED IN THE CONTRACT.



DESIGNATED BICYCLE LANE
NO PARKING, RIGHT TURN LANE



DESIGNATED BICYCLE LANE
WITH PARKING, NO RIGHT TURN LANE

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

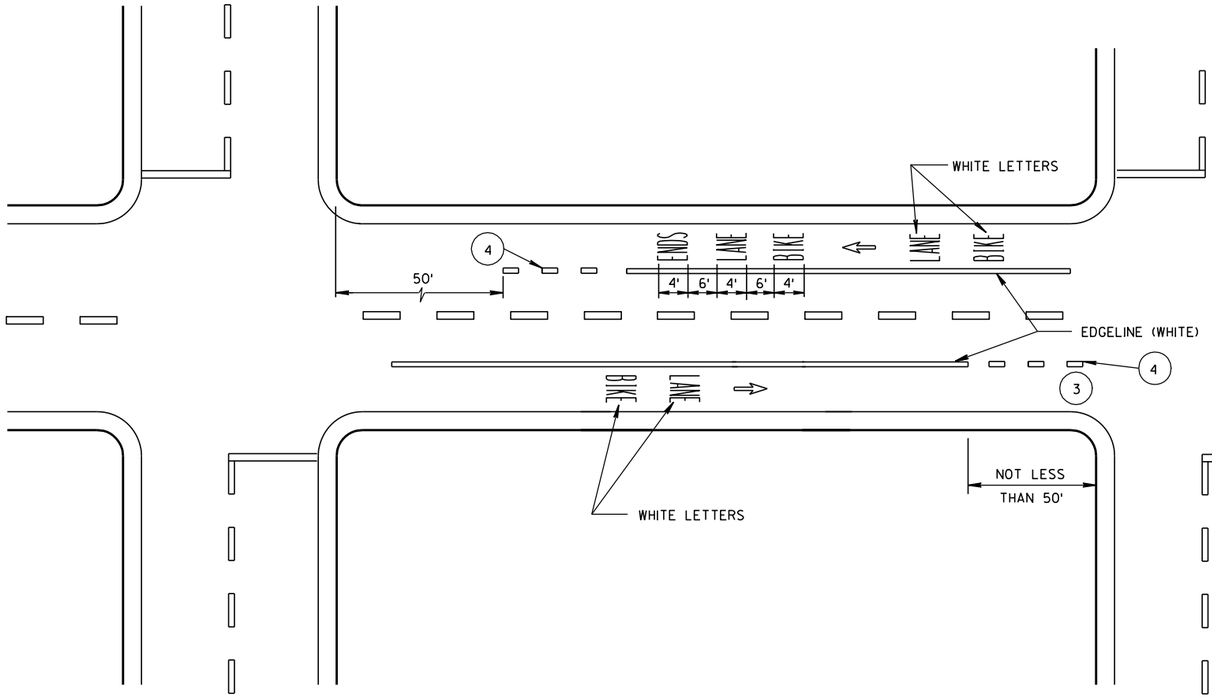
APPROVED
2/6/2012 DATE
/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER
FHWA

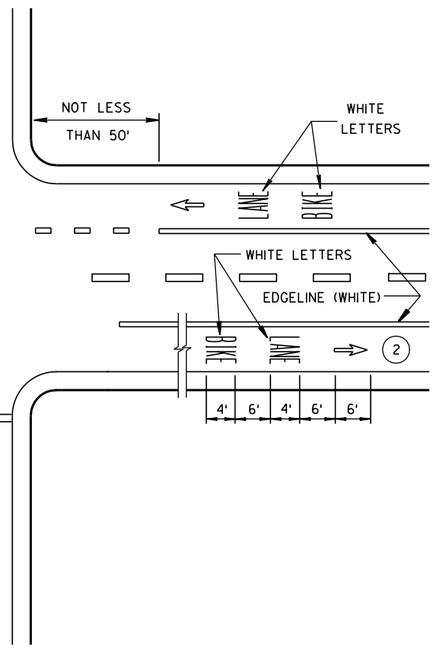
S.D.D. 15 C 29-2c

S.D.D. 15 C 29-2c

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. 3' LINE, 9' GAP - 4" WIDE, WHITE.





DESIGNATED BICYCLE LANE
NO PARKING

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/6/2012 DATE — /S/ Thomas N. [illegible] STATE TRAFFIC ENGINEER — SIGN

FHWA

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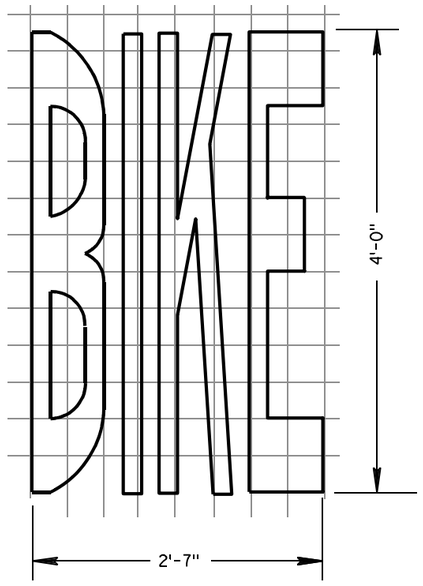
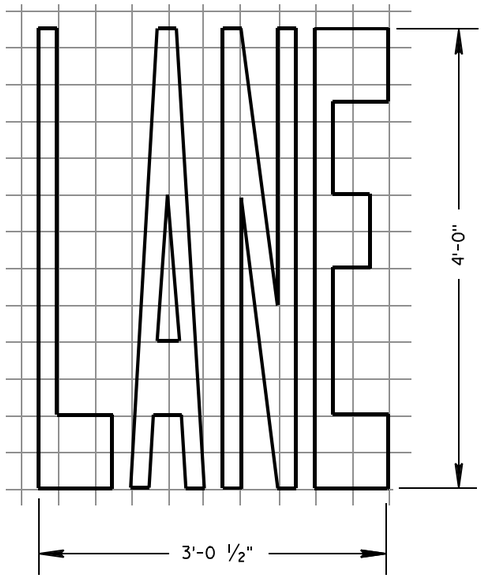
S.D.D. 15 C 29-2d

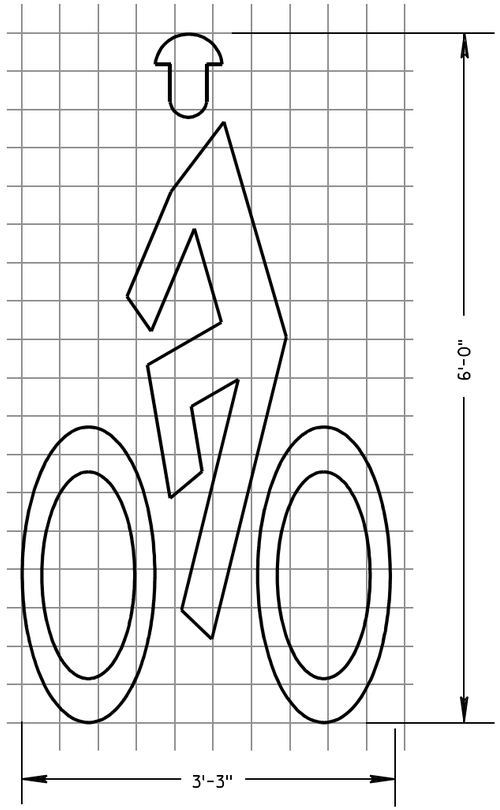
GENERAL NOTES

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.

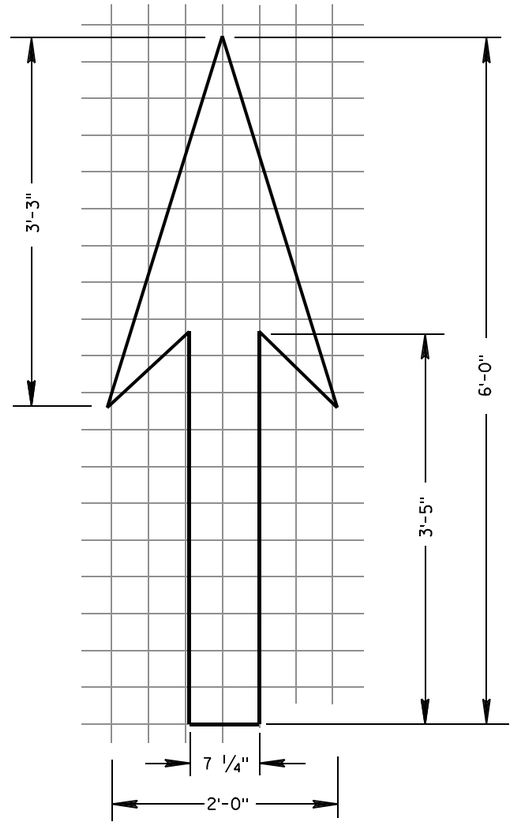
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



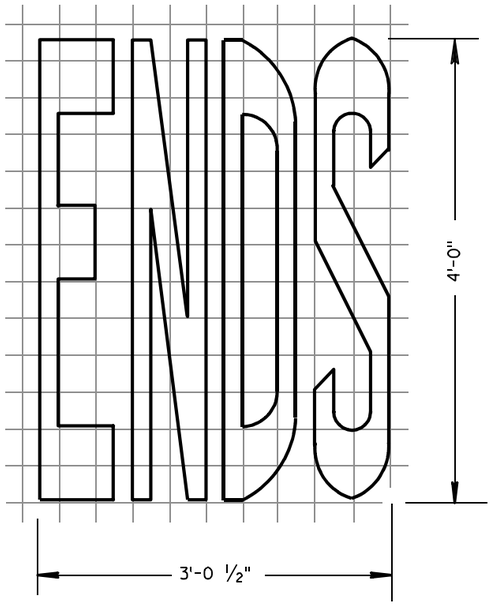




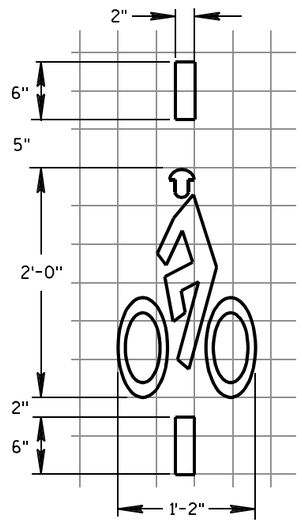
BIKE LANE SYMBOL



BIKE LANE ARROW



BIKE LANE WORDS



BICYCLE DETECTOR PAVEMENT MARKING

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2-6-2012 DATE

/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 29-2e

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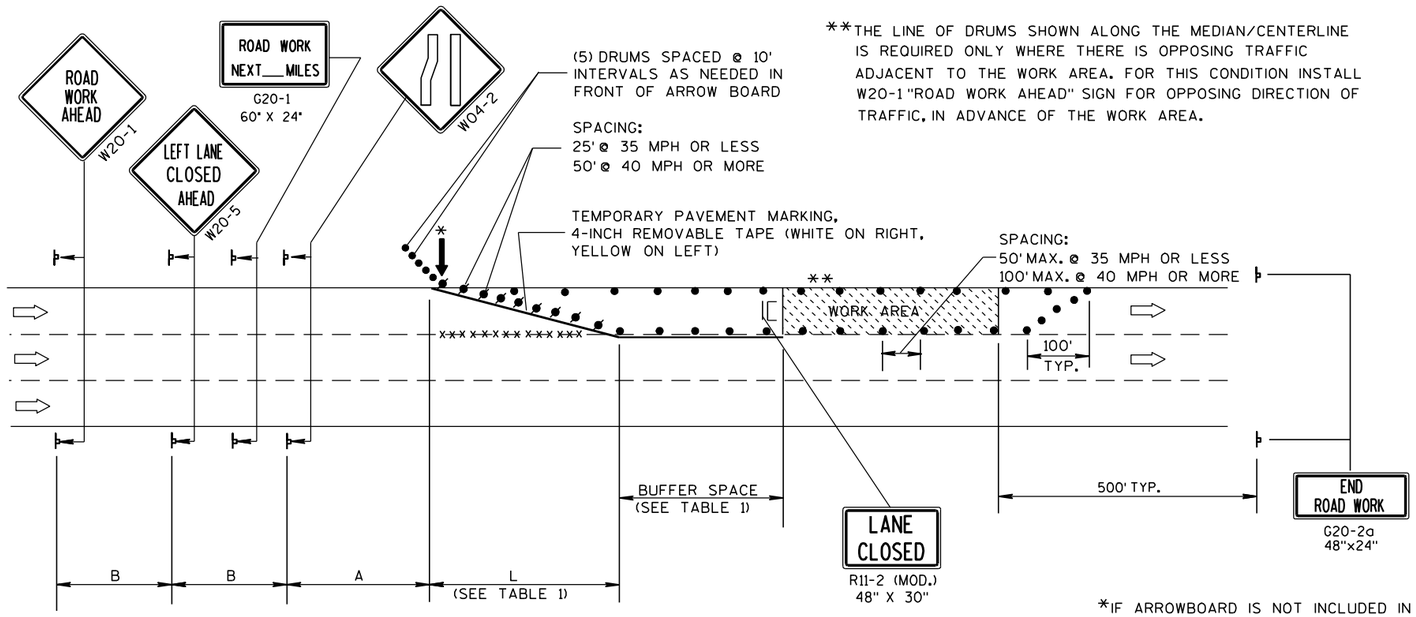
S.D.D. 15 C 29-2e



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

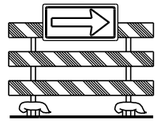


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- POST MOUNTED SIGN
- ARROW BOARD
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- xxxx REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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 IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

6

S.D.D. 15 D 20-1

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

L = $\frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- ARROW BOARD
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- xxxx REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

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 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 IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

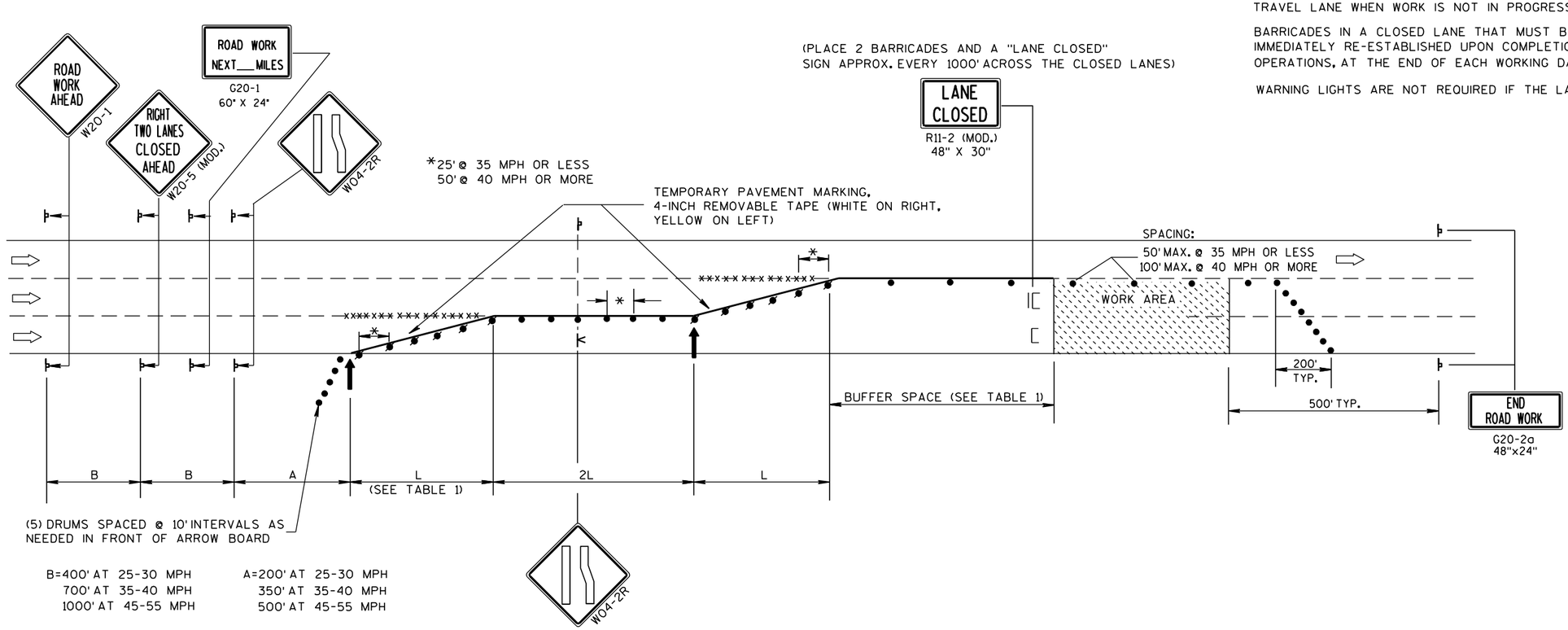
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO LOCATE THE ARROWBOARD AS SHOWN, PLACE THE ARROWBOARD IN THE LANE CLOSURE TAPER AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE TAPER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.



B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

TRAFFIC CPNTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Cester J. [illegible]
CHIEF SIGNS AND MARI[illegible]NEER
FHWA

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S.D.D. 15 D 22-1

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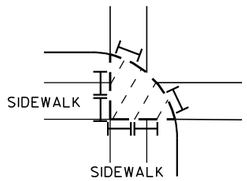
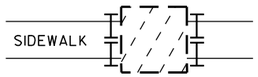
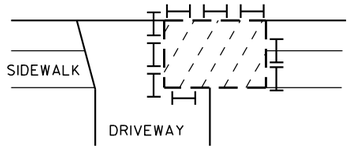
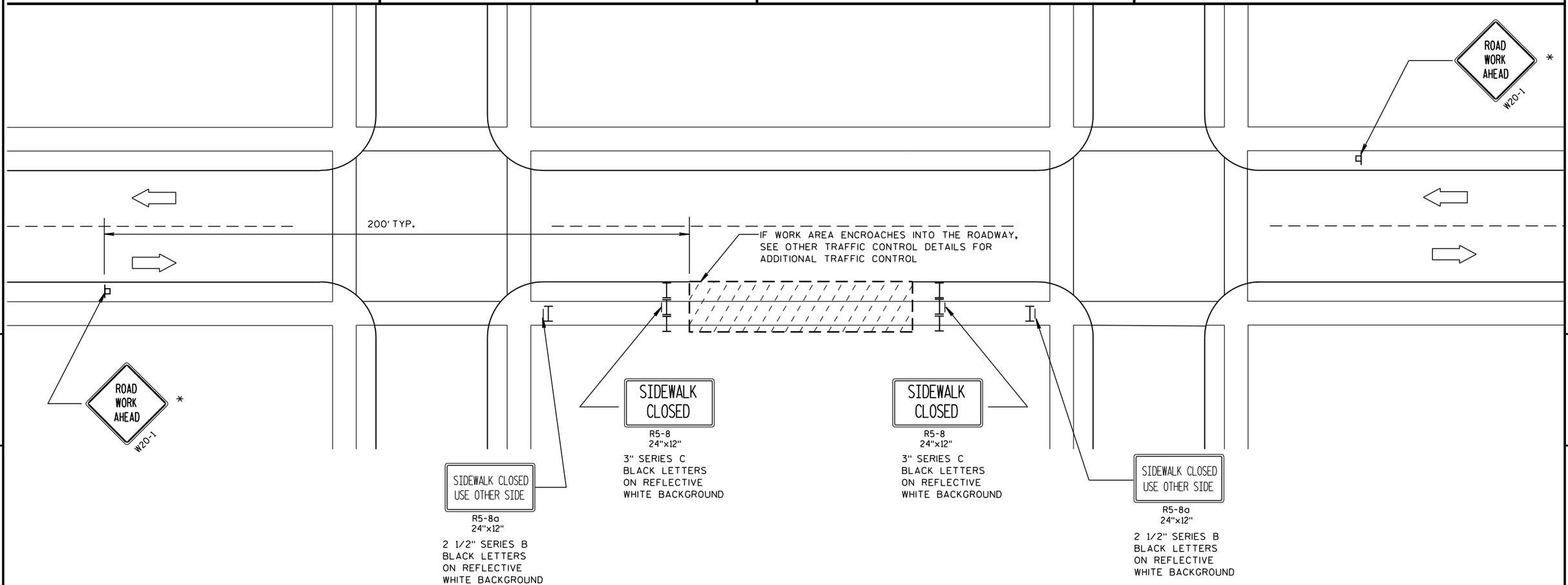
S.D.D. 15 D 22-1

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

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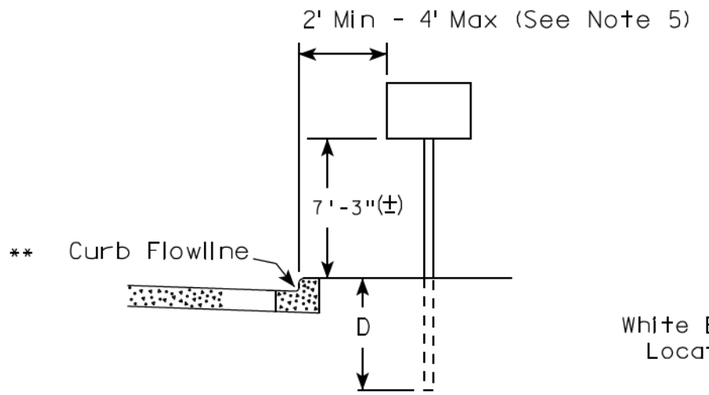
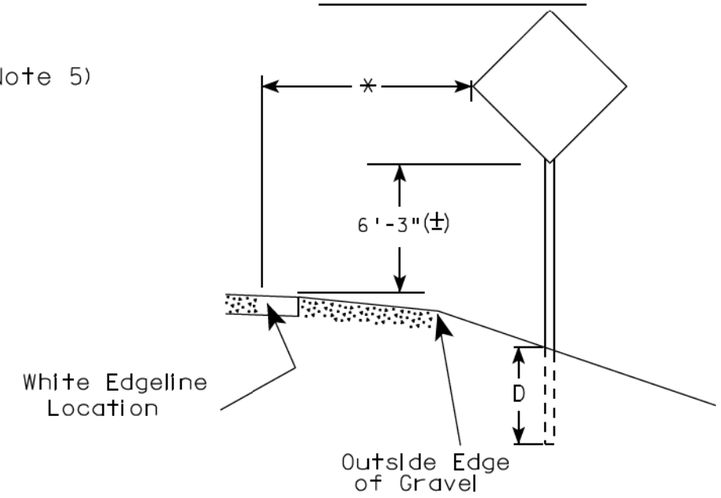
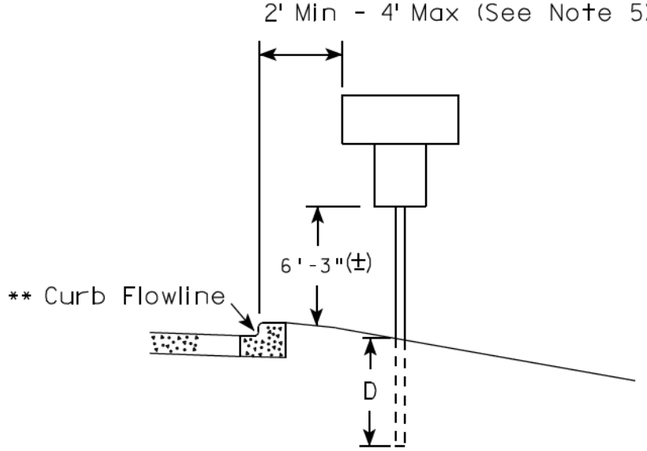
S.D.D. 15 D 30-1

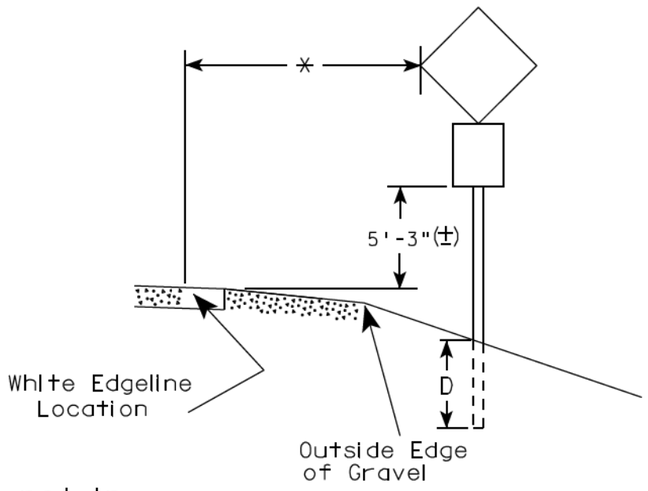
URBAN AREA



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'

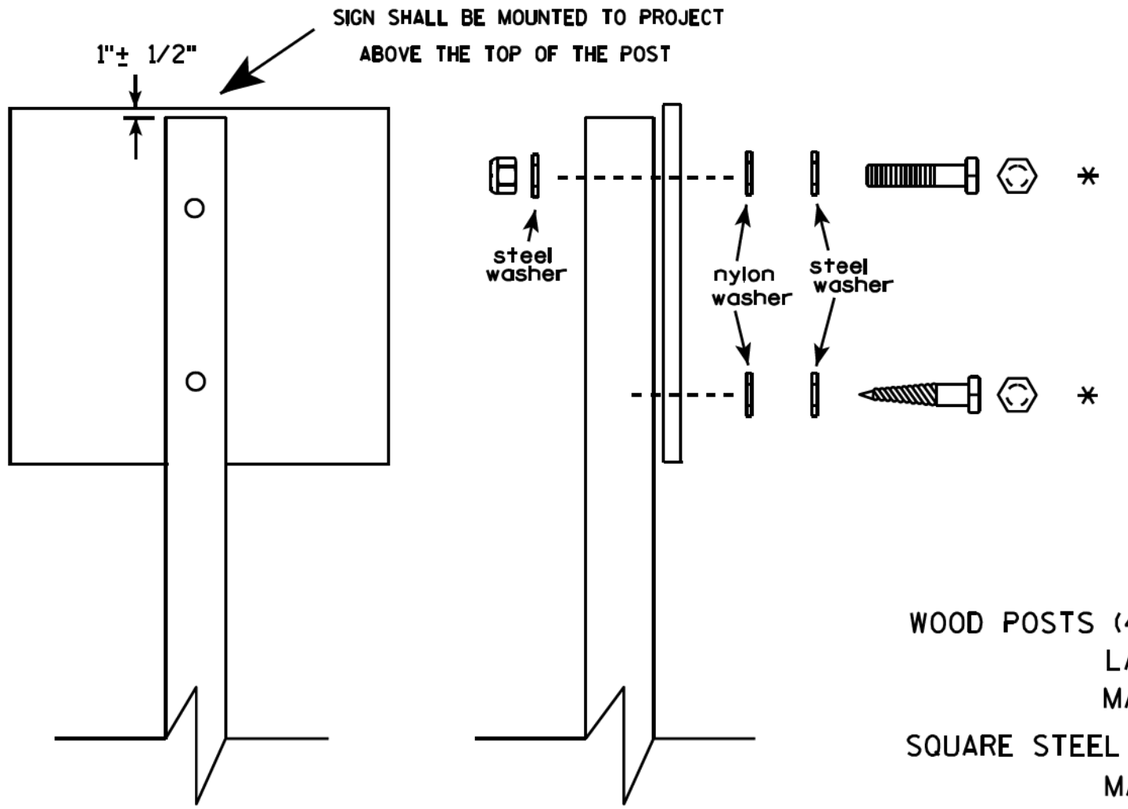
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-3.16

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET 164	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

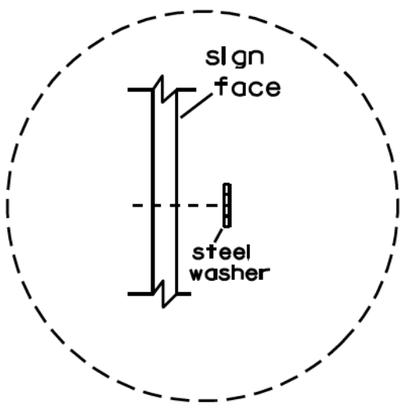
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

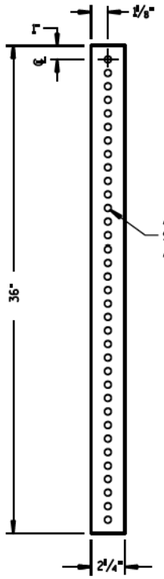
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

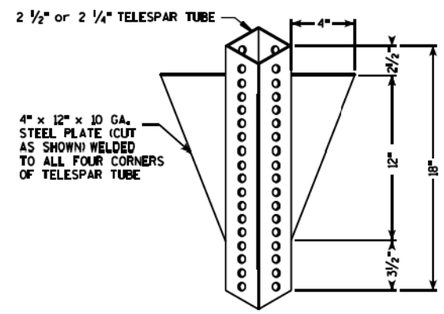
A4-8.dgn 10/30/2012 3:34:07 PM jdolens

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

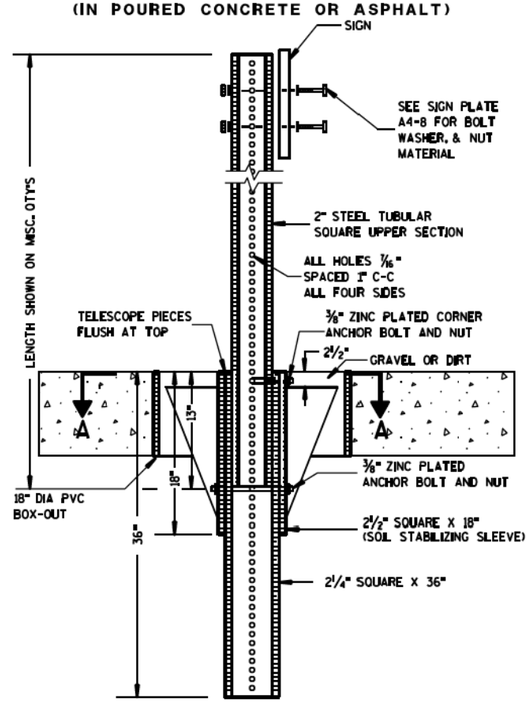
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



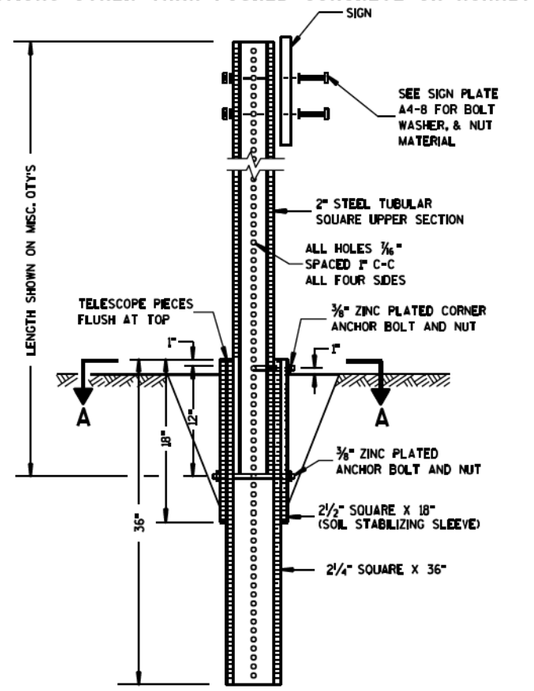
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

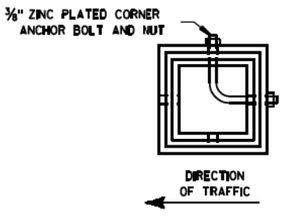


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

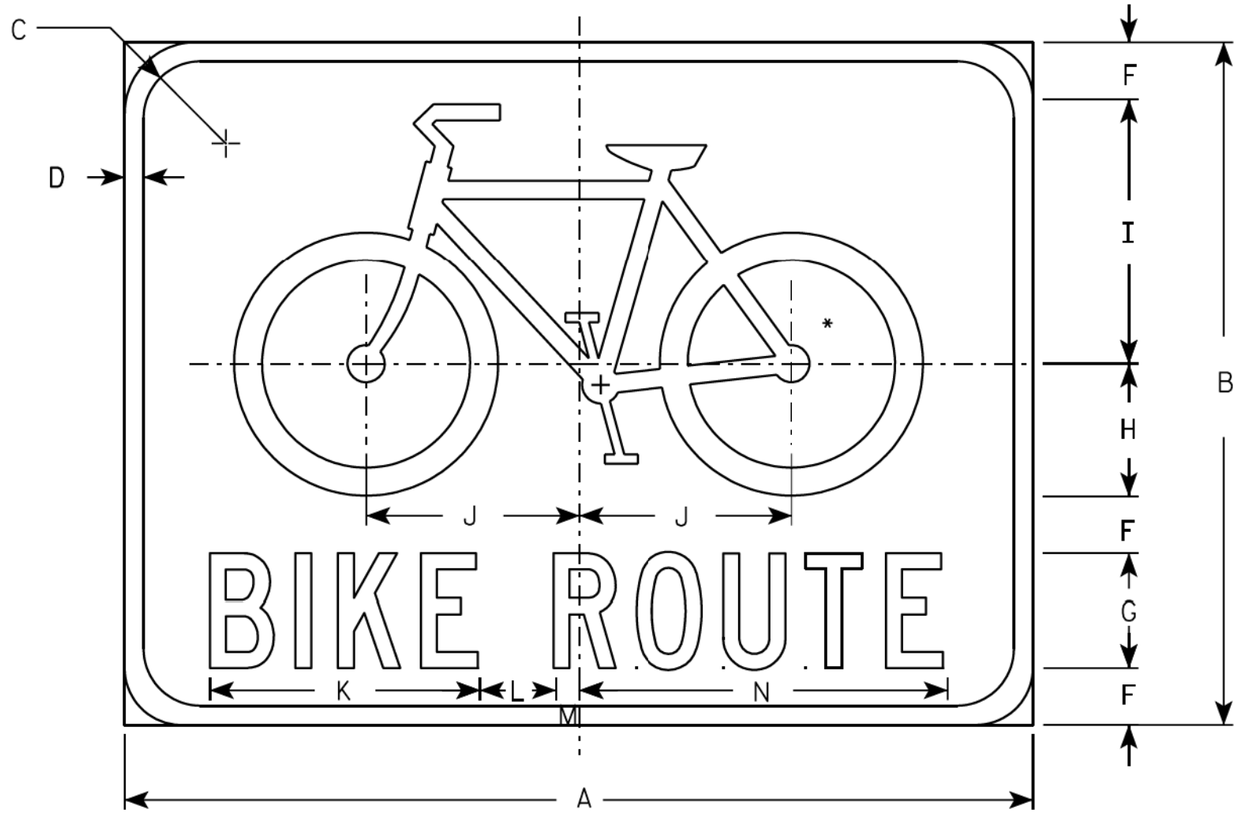
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

A4-9.dgn 10/30/2012 3:34:16 PM jdolens



D11-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
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.

* See W11-1 for symbol design

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 450 mm
3	750 mm X 600 mm
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	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0	0.27
3	30	24	1 1/4	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0	0.45
4																												
5																												

STANDARD SIGN
D11-1

WISCONSIN DEPT OF TRANSPORTATION

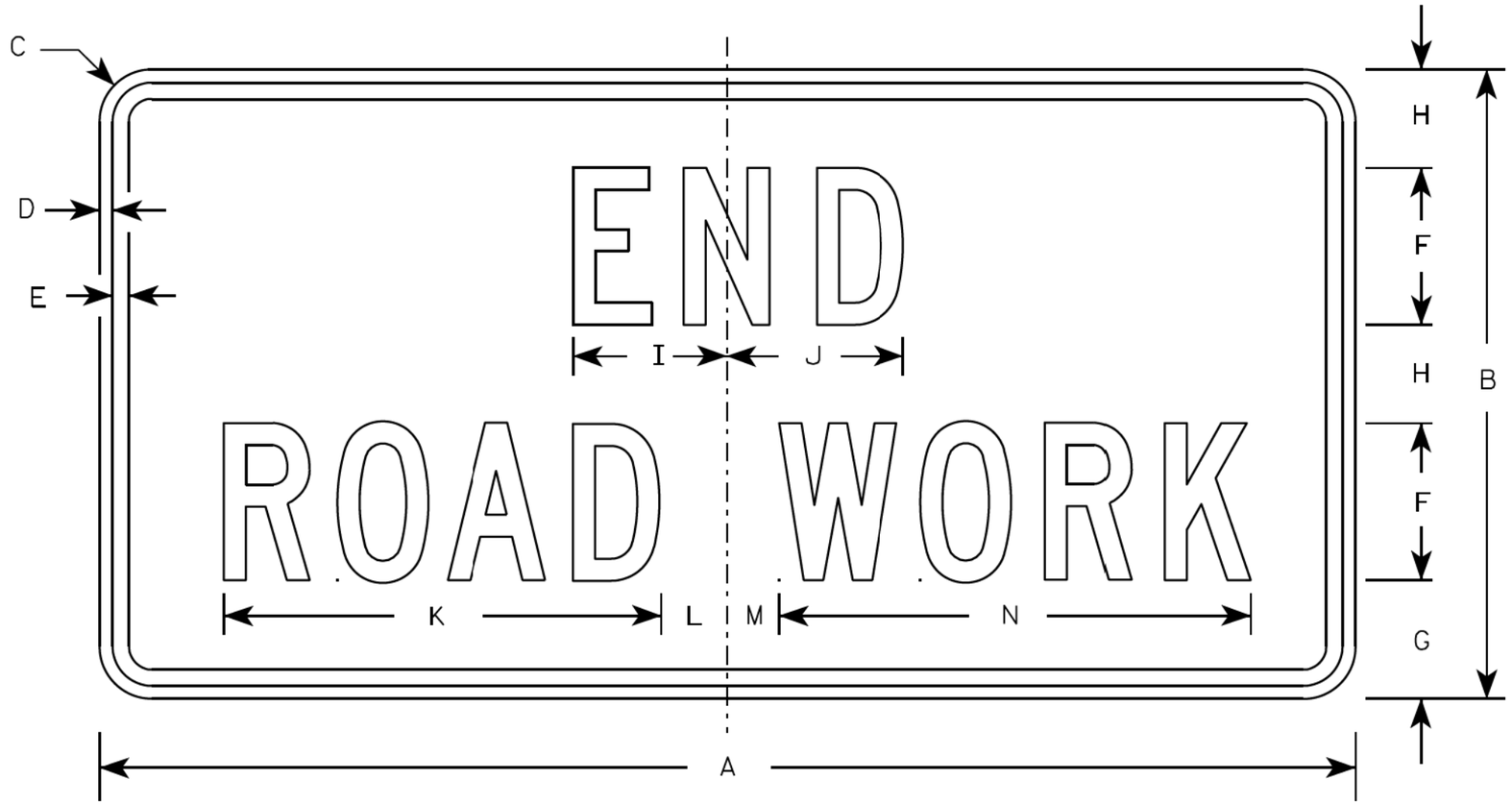
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/04 PLATE NO. D11-1.1

PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

D11-1.dgn 10/30/2012 3:34:18 PM jdolens



G20-2A

NOTES

1. Sign is 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 - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 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	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

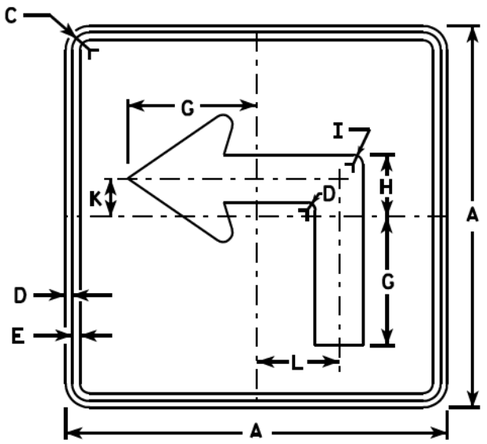
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

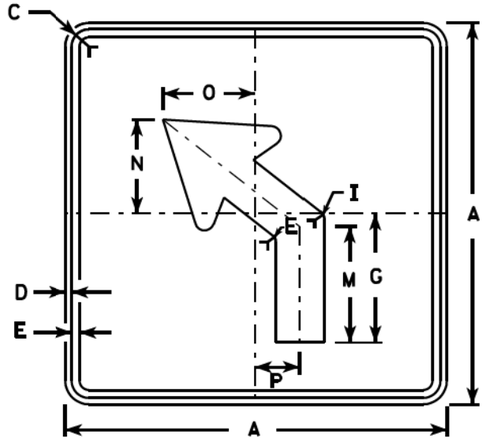
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

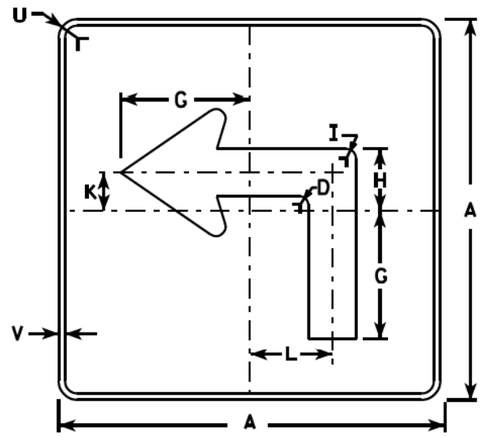
G20-2A.dgn 10/30/2012 3:34:28 PM jdolens



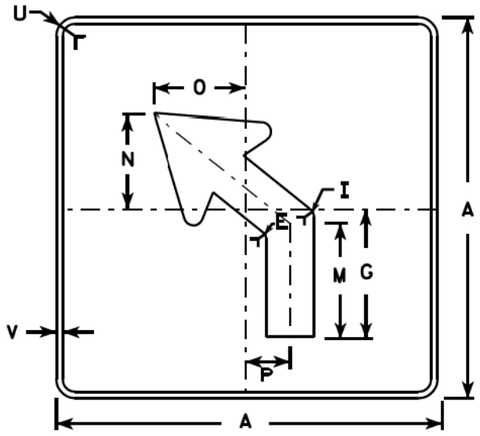
M5-1L
MK5-1L
MM5-1L
MO5-1L
MR5-1L



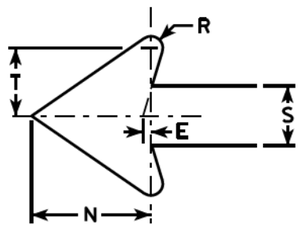
M5-2L
MK5-2L
MM5-2L
MO5-2L
MR5-2L



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 sq.
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 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
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

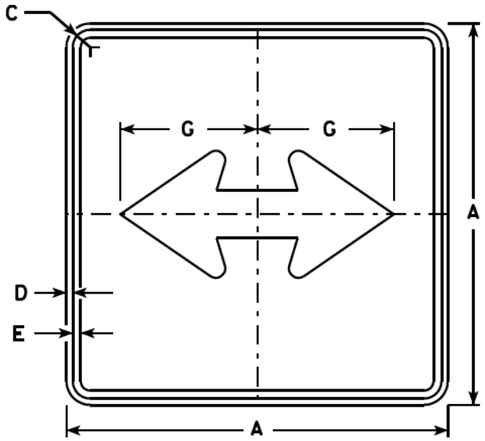
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/10 PLATE NO. M5-1.11

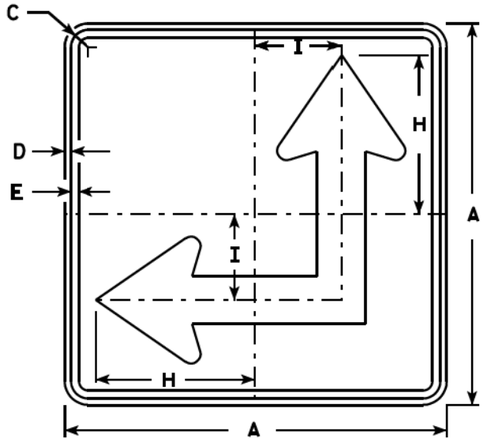
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

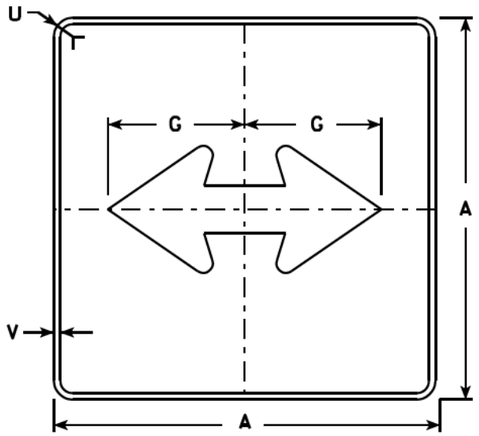
M5-1.dgn 10/30/2012 3:34:32 PM jdolens



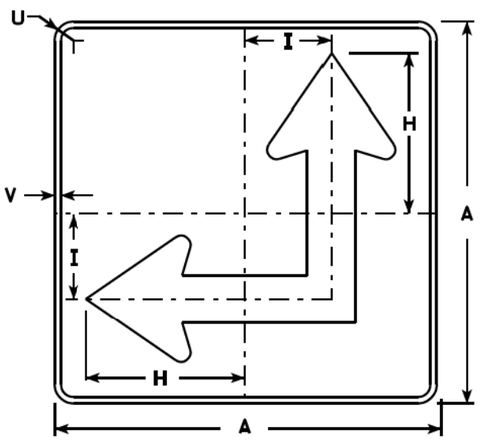
M6-4
MK6-4
MM6-4
MO6-4
MR6-4



M6-6
MK6-6
MM6-6
MO6-6
MR6-6



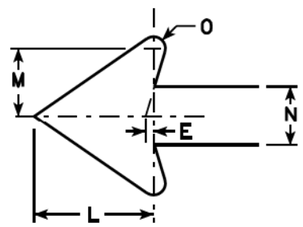
MB6-4
MG6-4
MN6-4



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 sq.
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

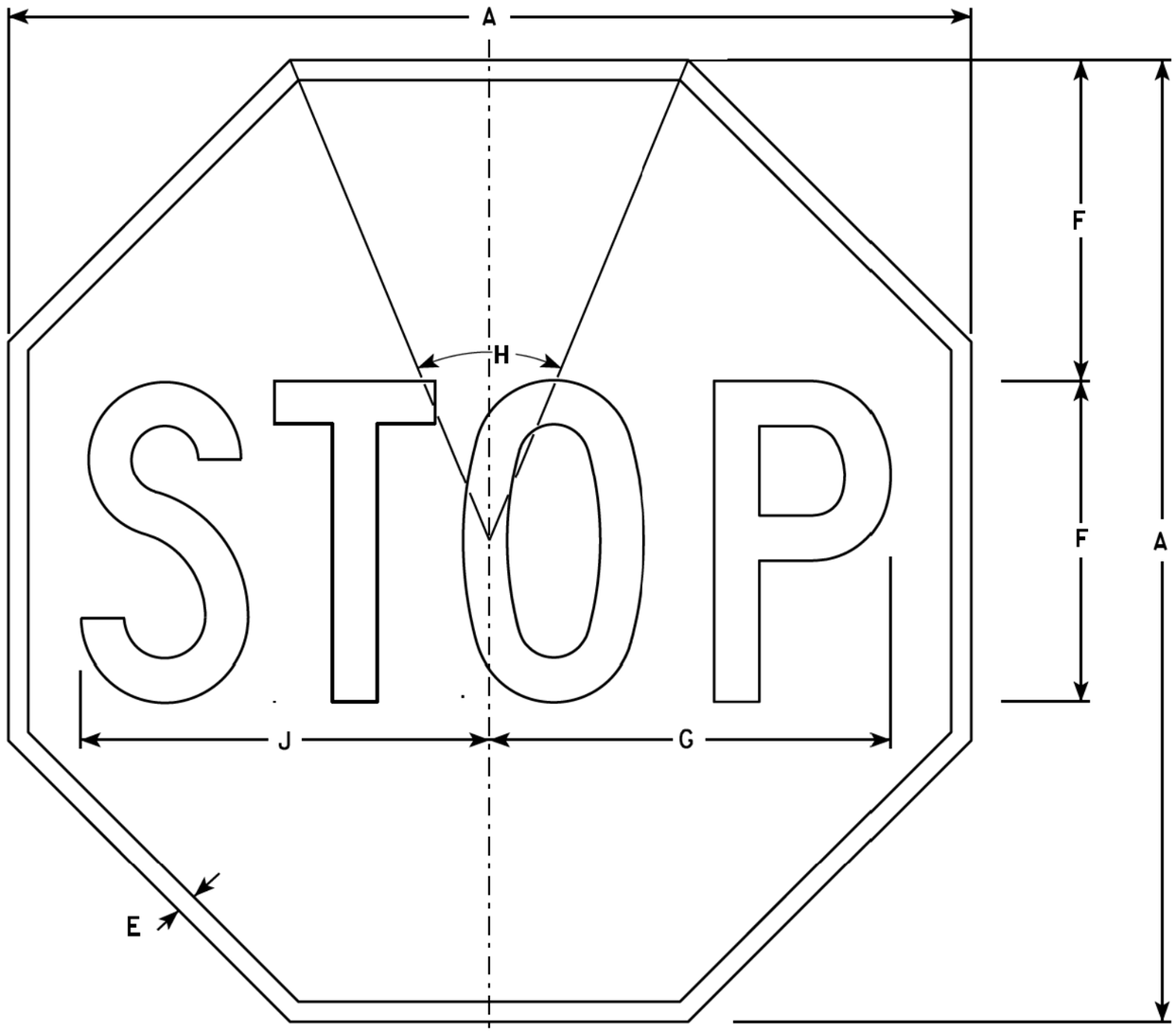
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-4.7

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET 170	E



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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

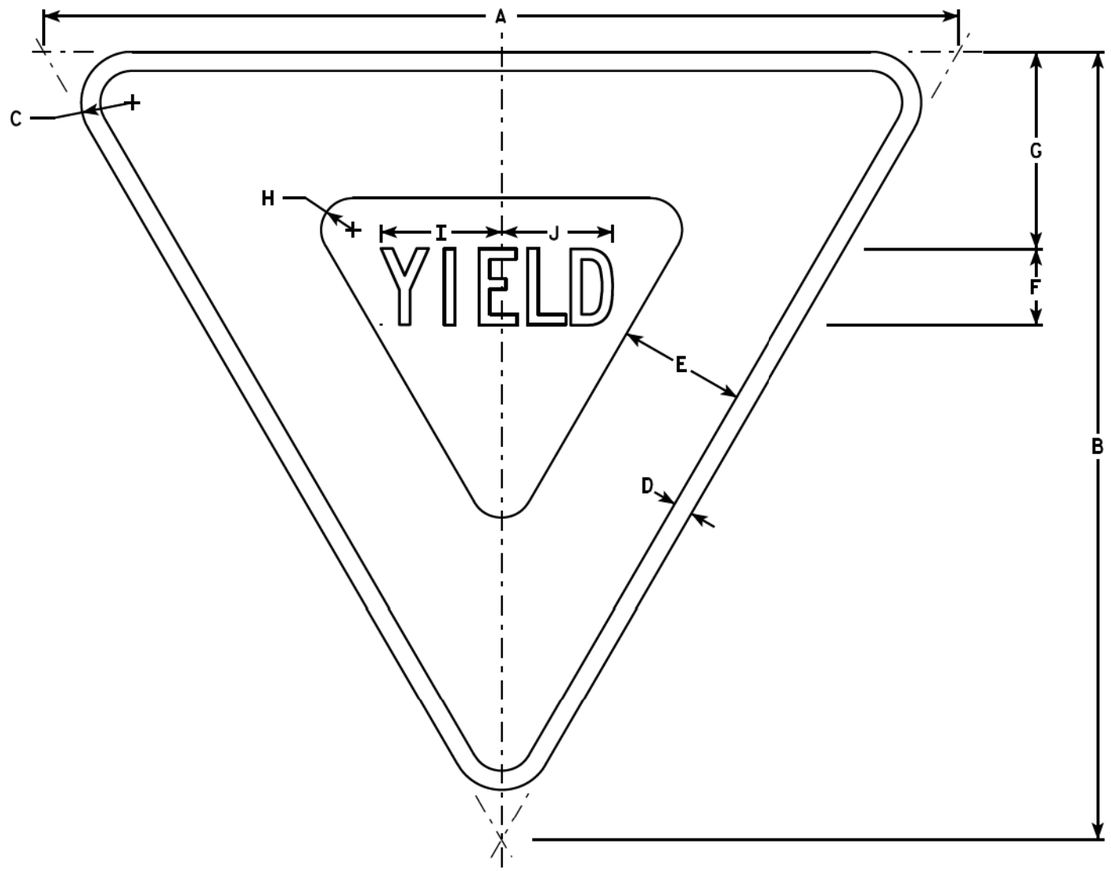
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R1-1.dgn 10/30/2012 3:34:42 PM jdolens



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. The border strip and word message are reflectorized 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	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6	24	21	1 1/2	3/8	3	2	4 3/4	7/8	3 1/4	3																	1.75
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

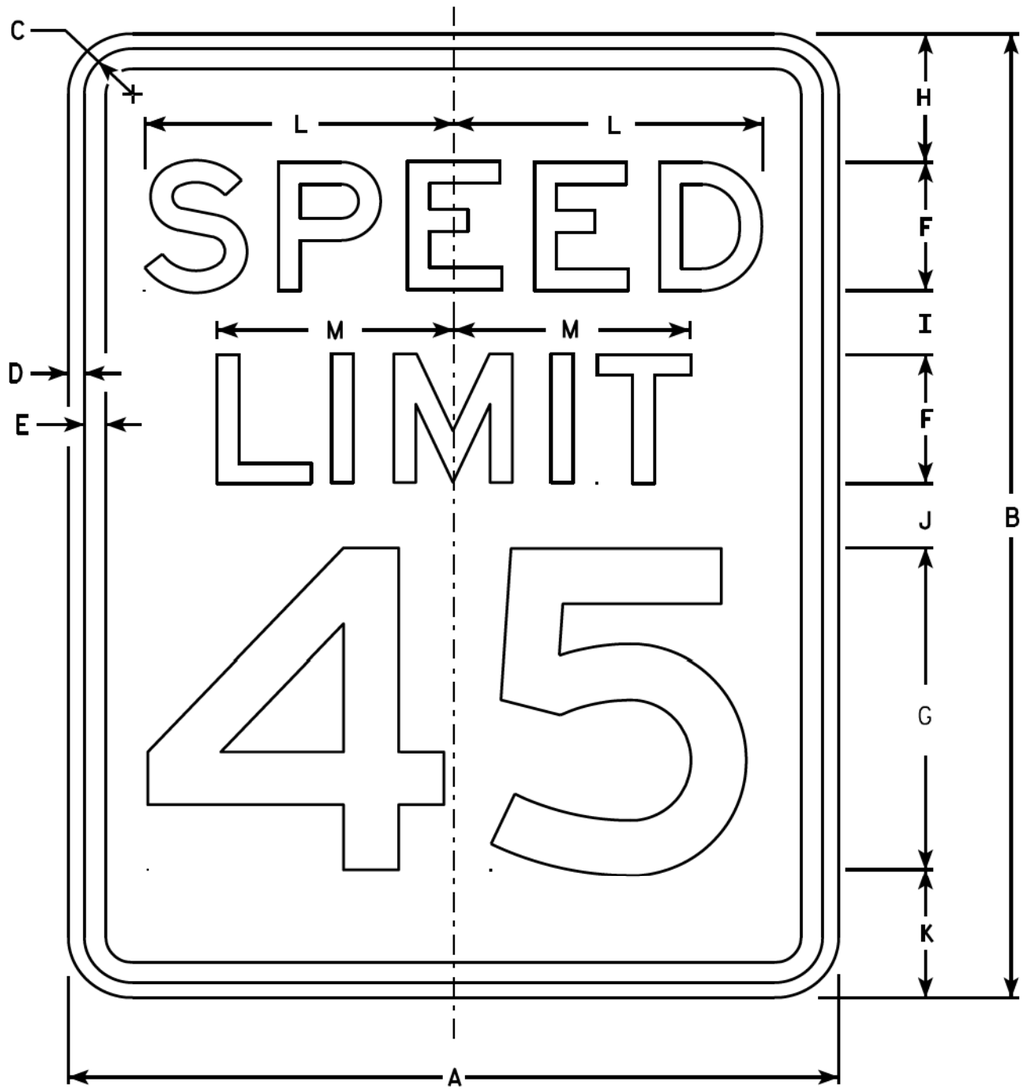
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-2.11

PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R1-2.dgn 10/30/2012 3:34:44 PM jdolens



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

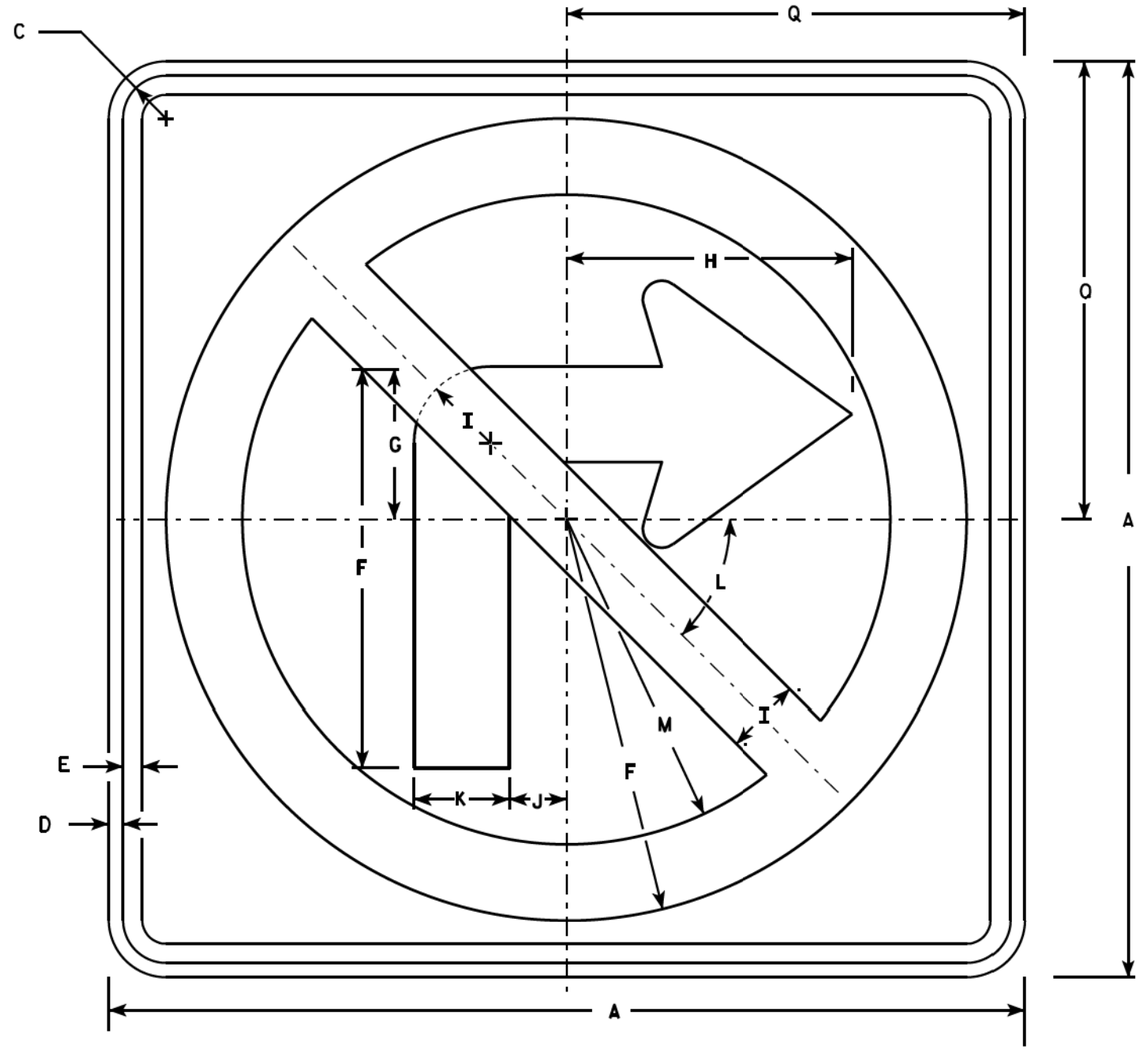
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

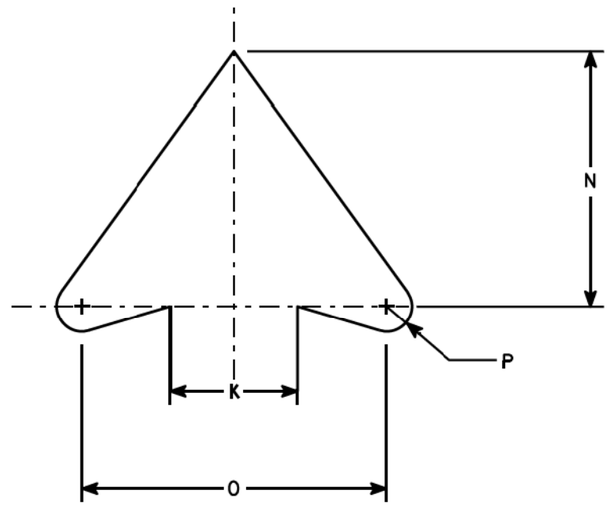
R2-1.dgn 10/30/2012 3:34:47 PM jdolens



R3-1

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 - 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 & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

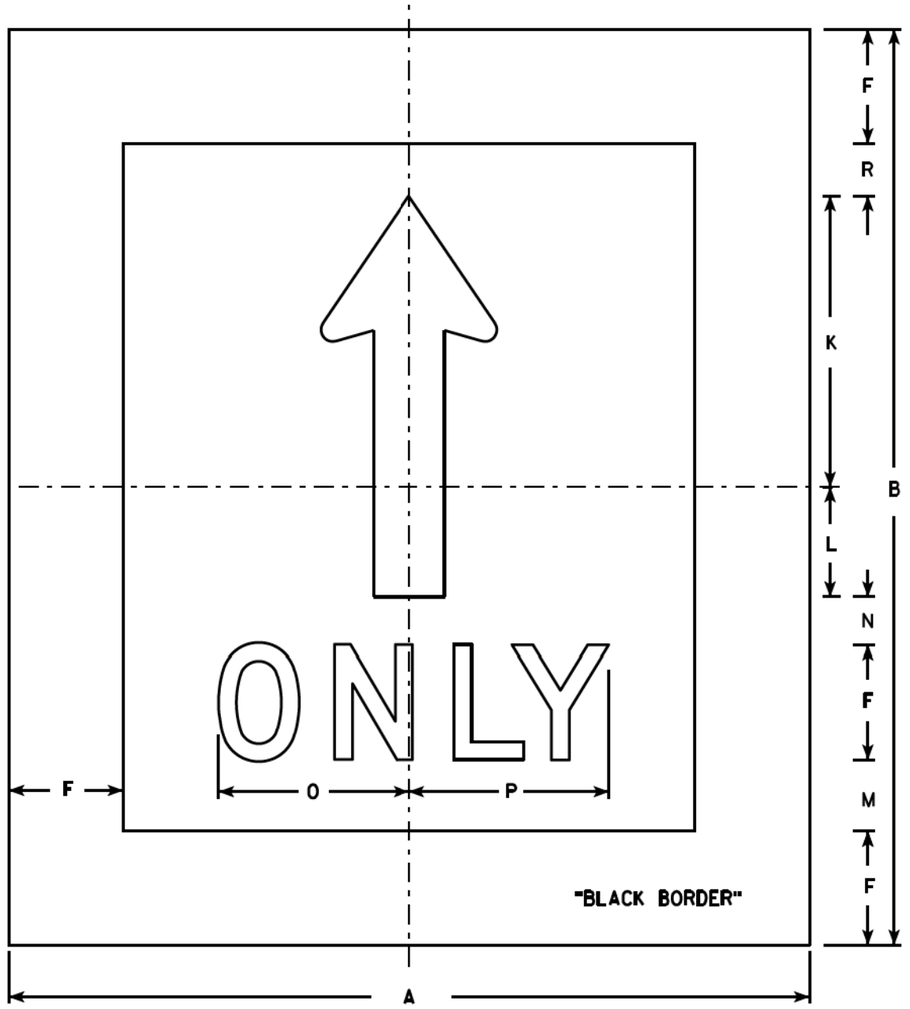
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R3-1.dgn 10/30/2012 3:34:50 PM jdolens

7

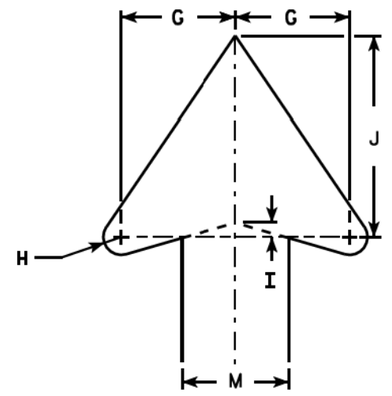
7



R3-5A

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. When base material is metal, the corners shall be rounded.
5. The 6" border is non-reflective black.



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																											
2S	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
2M	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
3																											
4																											
5																											

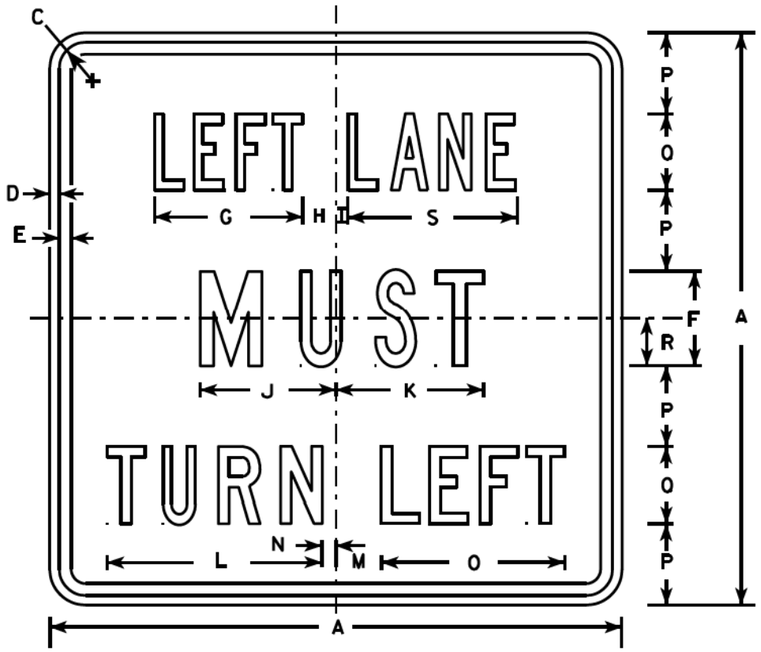
STANDARD SIGN
R3-5A

WISCONSIN DEPT OF TRANSPORTATION

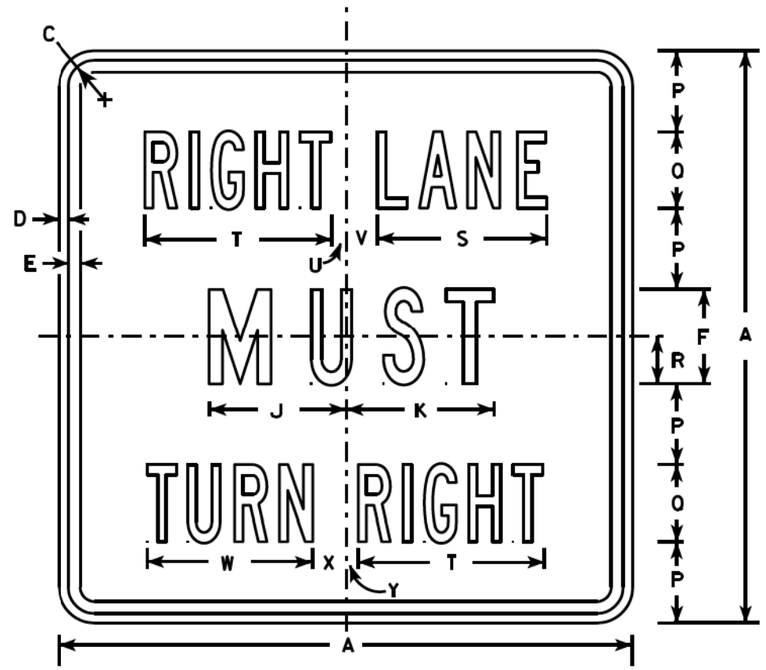
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5A.5

PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET 175 | E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

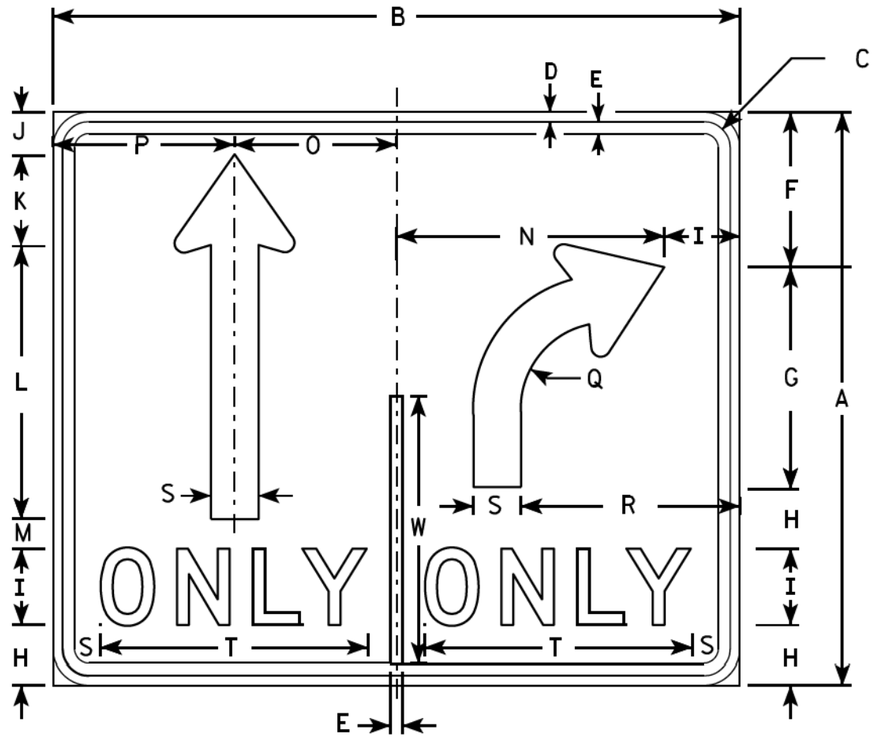
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

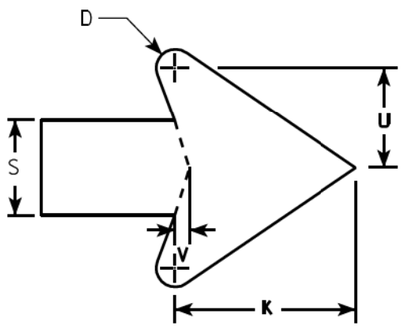
PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R3-7.dgn 10/30/2012 3:34:55 PM jdolens



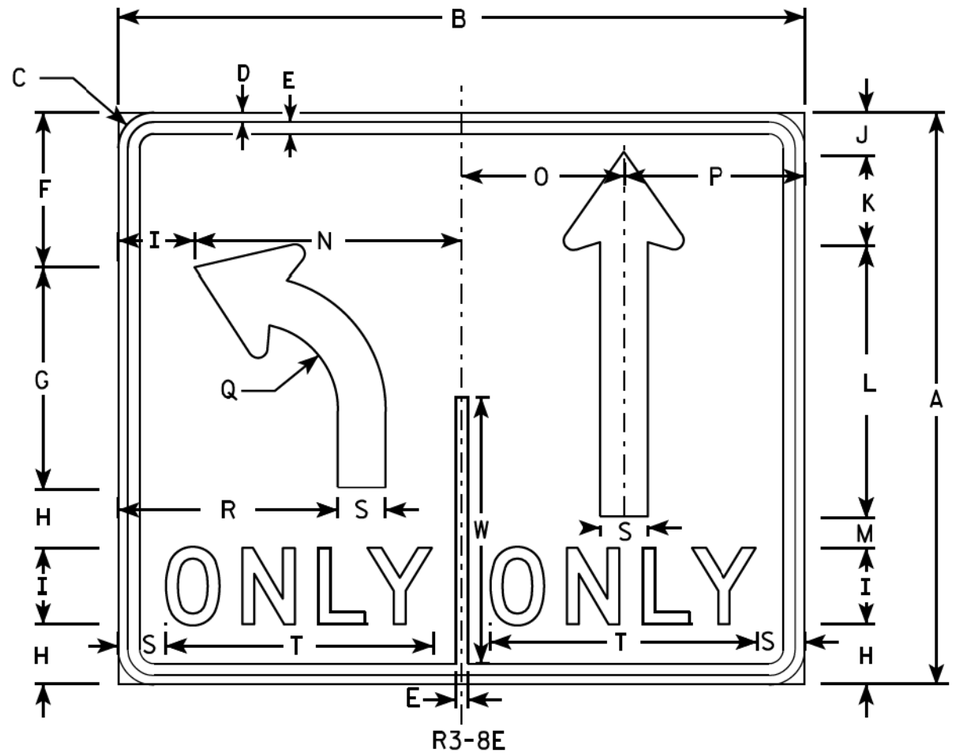
R3-8D



ARROW DETAIL

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.



R3-8E

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	30	36	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	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
2M	30	36	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	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0

STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

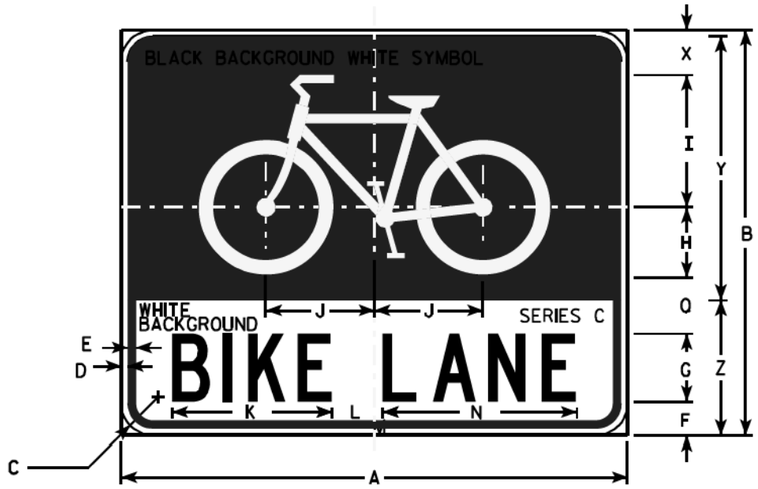
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

PROJECT NO:5990-00-78 | HWY:RIVER STREET | COUNTY:ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

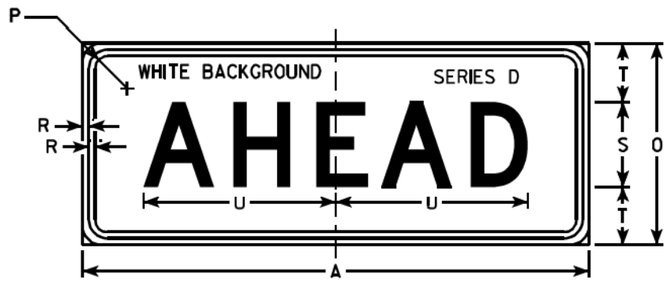
R3-8D.dgn 10/30/2012 3:34:58 PM jdolens



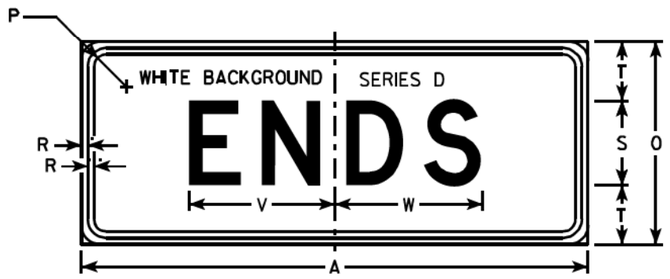
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



R3-17ap



R3-17bp

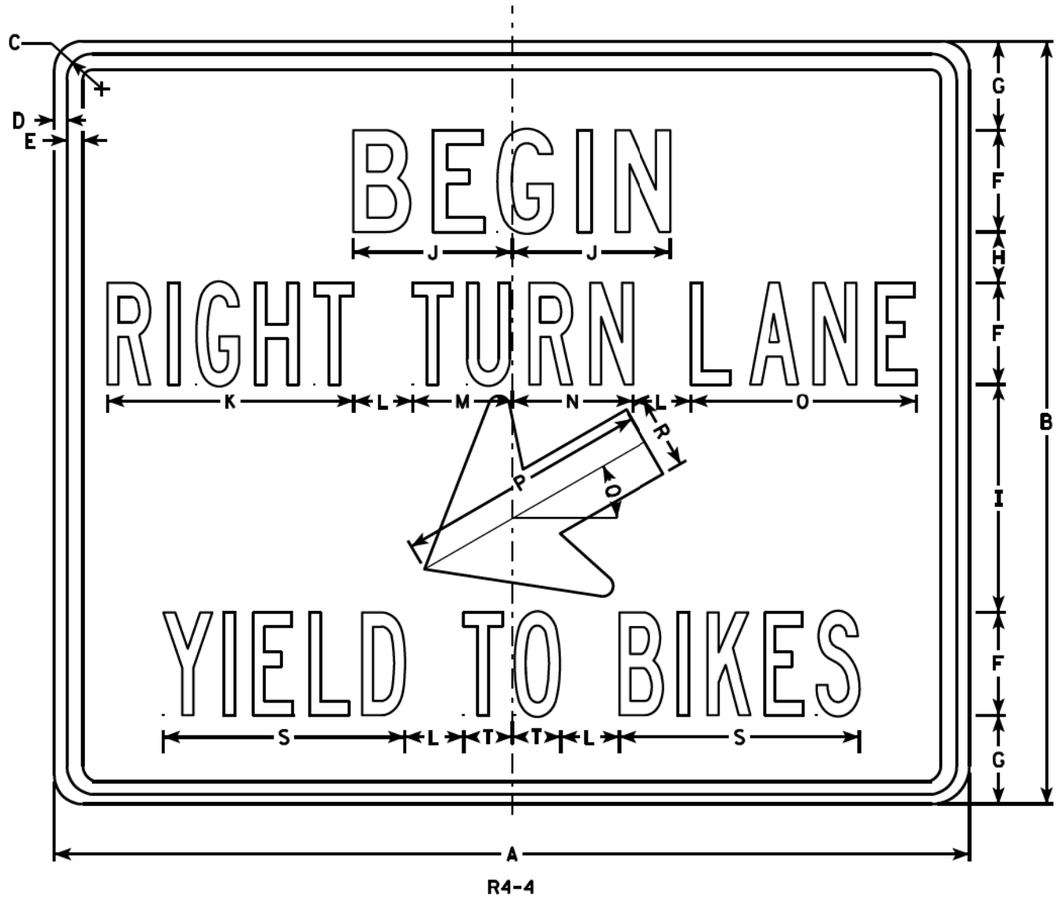
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew L Rauch
for State Traffic Engineer
DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R3-17.dgn 10/30/2012 3:35:02 PM jdolens



R4-4

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 - 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. Line 1 is Series C
   Lines 2 & 3 are Series B

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	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

STANDARD SIGN
R4-4

WISCONSIN DEPT OF TRANSPORTATION

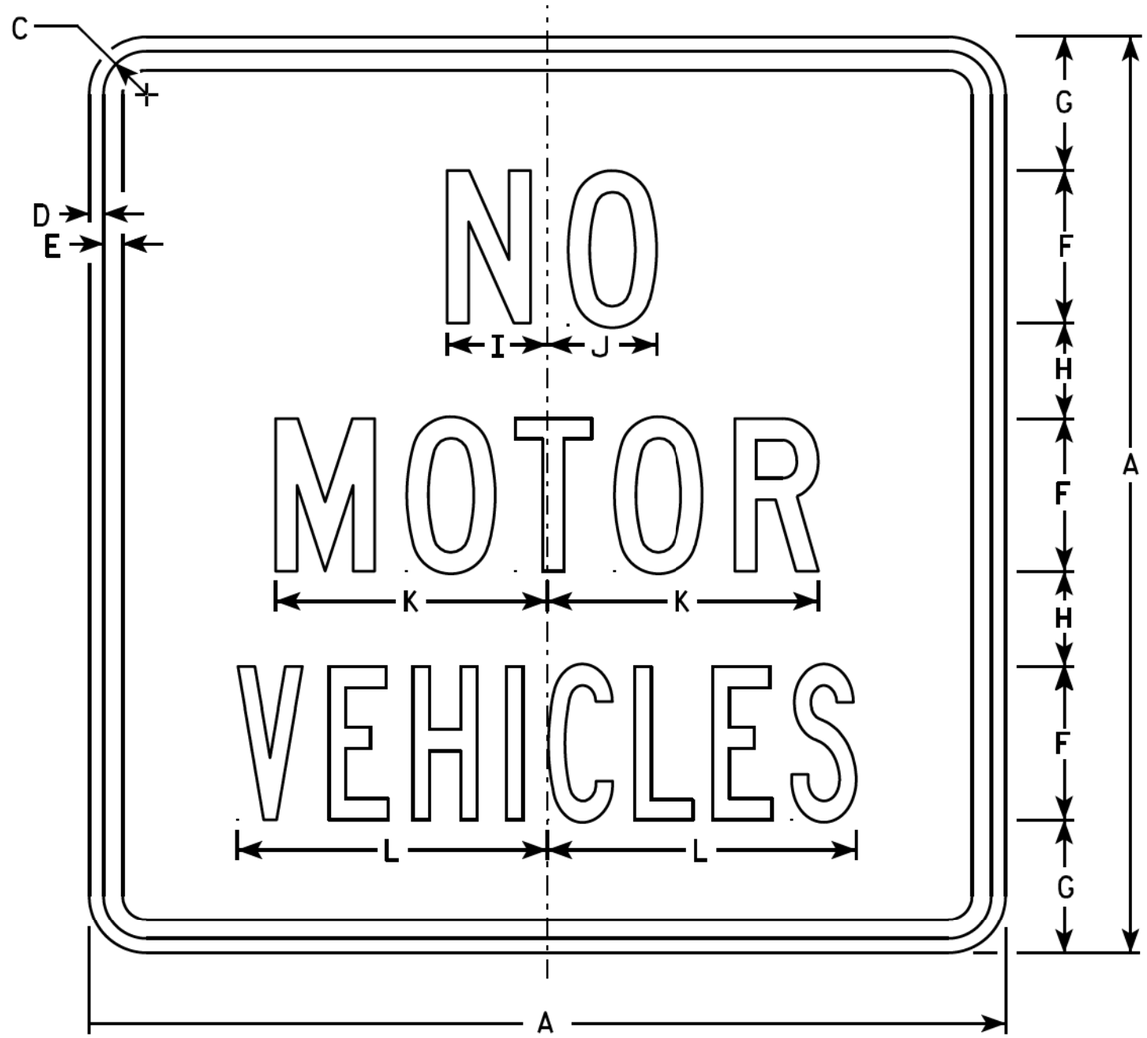
APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R4-4.dgn 10/30/2012 3:35:05 PM jdolens



R5-3

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 - 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 & 2 are Series C.
   Line 3 is Series B.

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		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
3																											
4																											
5																											

STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

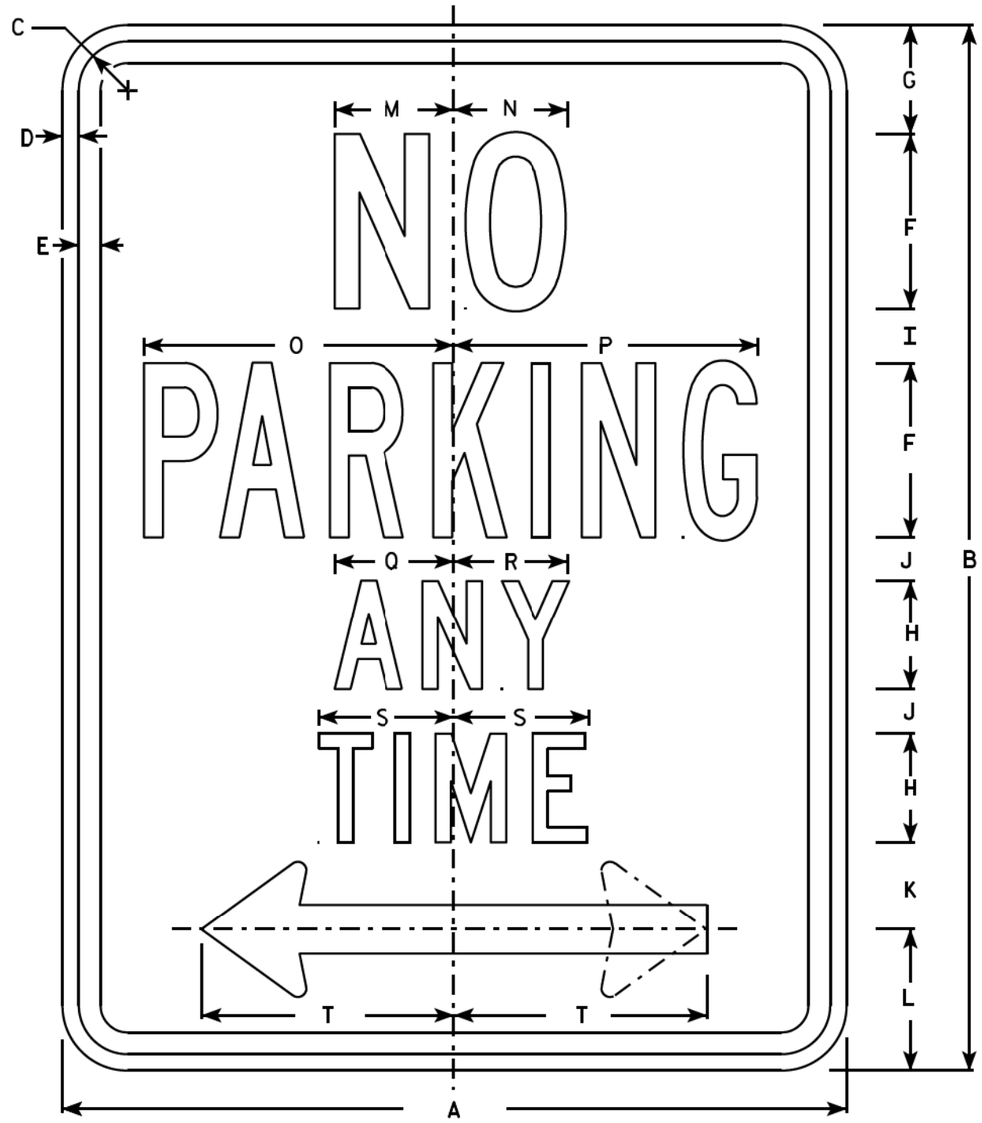
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

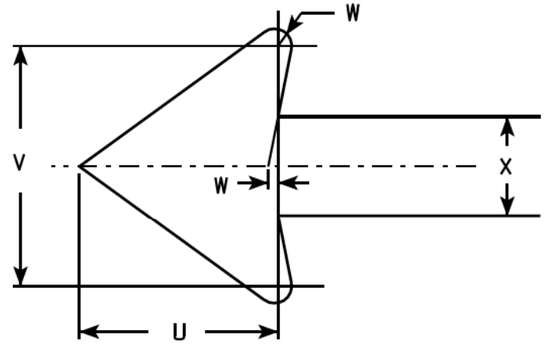
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R5-3.dgn 10/30/2012 3:35:07 PM jdolens



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 1/8	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

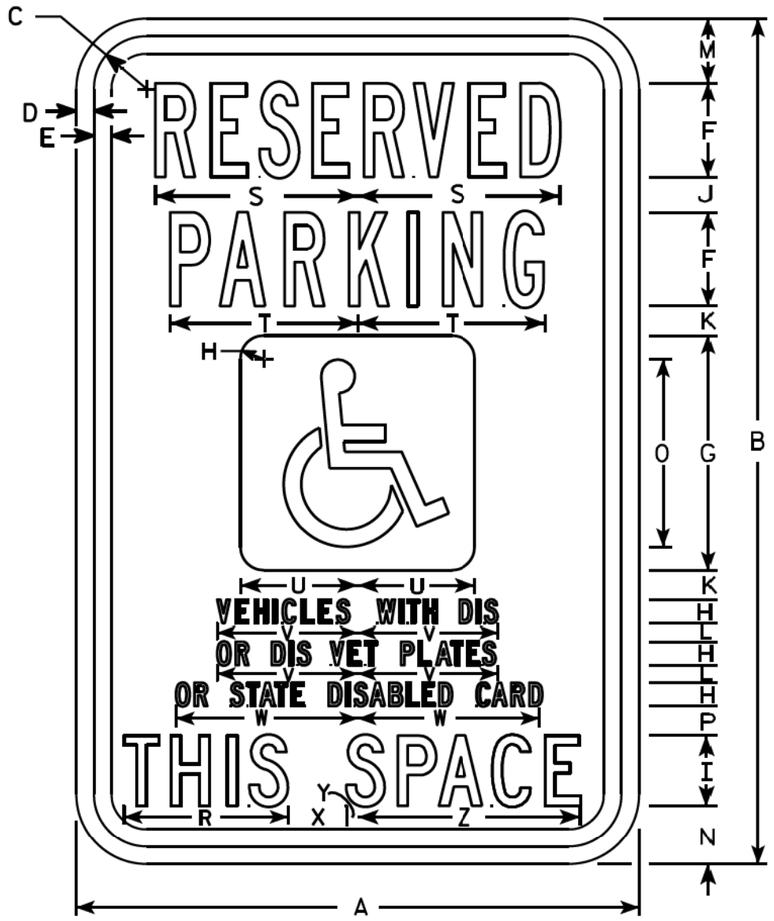
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R7-1.dgn 10/30/2012 3:35:10 PM jdolens



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are 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.

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	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/20/2011 PLATE NO. R7-8A.6

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : **....designfile....** PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME : PLOT SCALE : **.....plotscale.....** WISDOT/CADDS SHEET 47

R7-8A.dgn 10/30/2012 3:35:13 PM jdolens

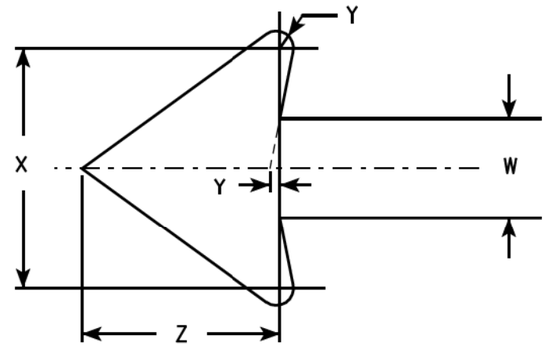
7

7

R7-51

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 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. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



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	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	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	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	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-516

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R7-51.dgn 10/30/2012 3:35:16 PM jdolens

R9-9

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
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																											
2S	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
2M	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
3																											
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

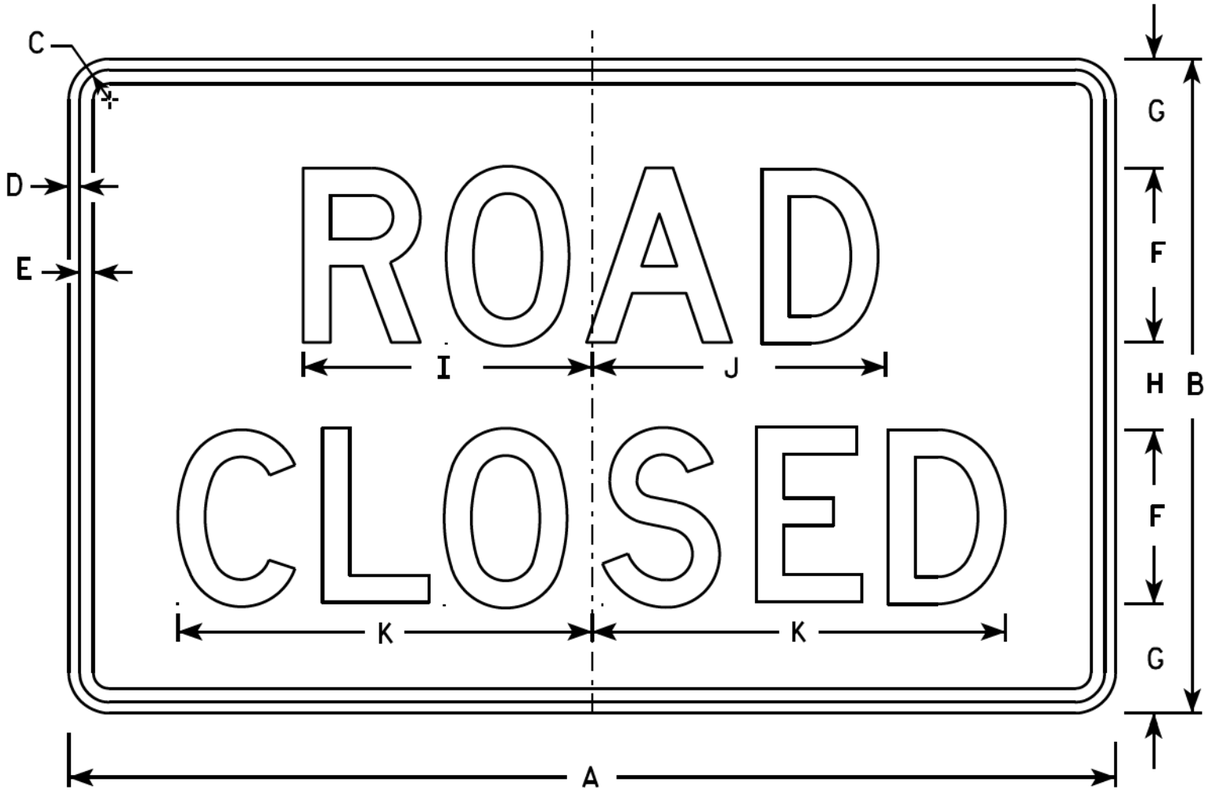
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

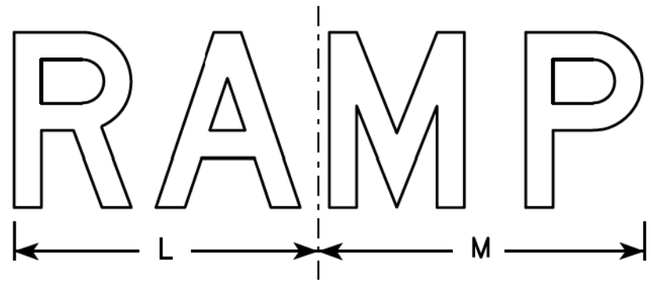
R9-9.dgn 10/30/2012 3:35:19 PM jdolens



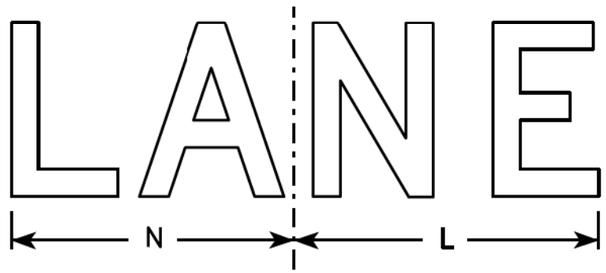
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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. Modify the message as required.



R11-2R



R11-2L

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	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

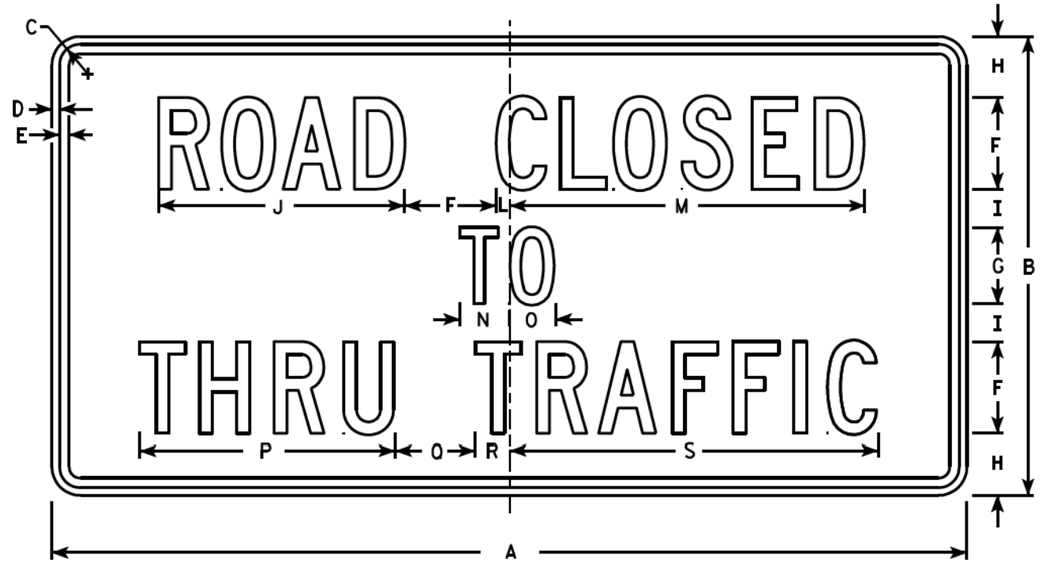
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R11-2.dgn 10/30/2012 3:35:22 PM jdolens



R11-4

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 - 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.

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	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

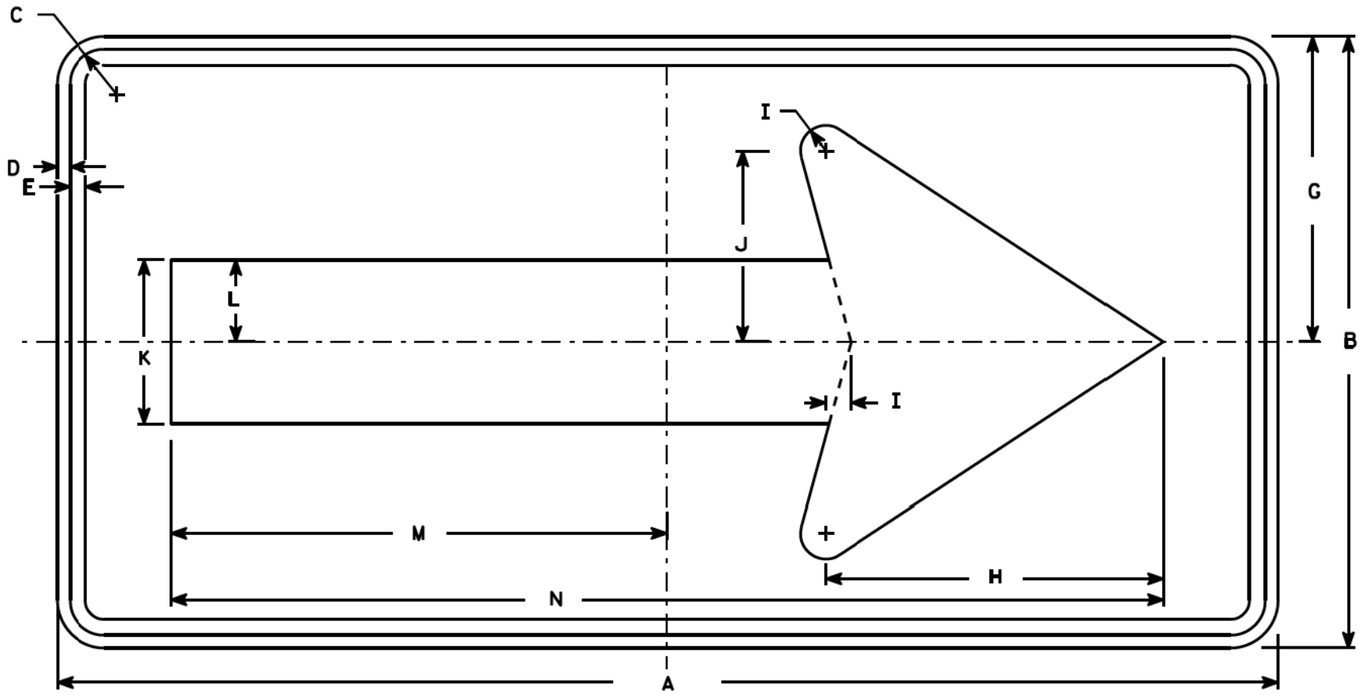
PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

R11-4.dgn 10/30/2012 3:35:24 PM jdolens

7

7



W1-6

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. 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	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

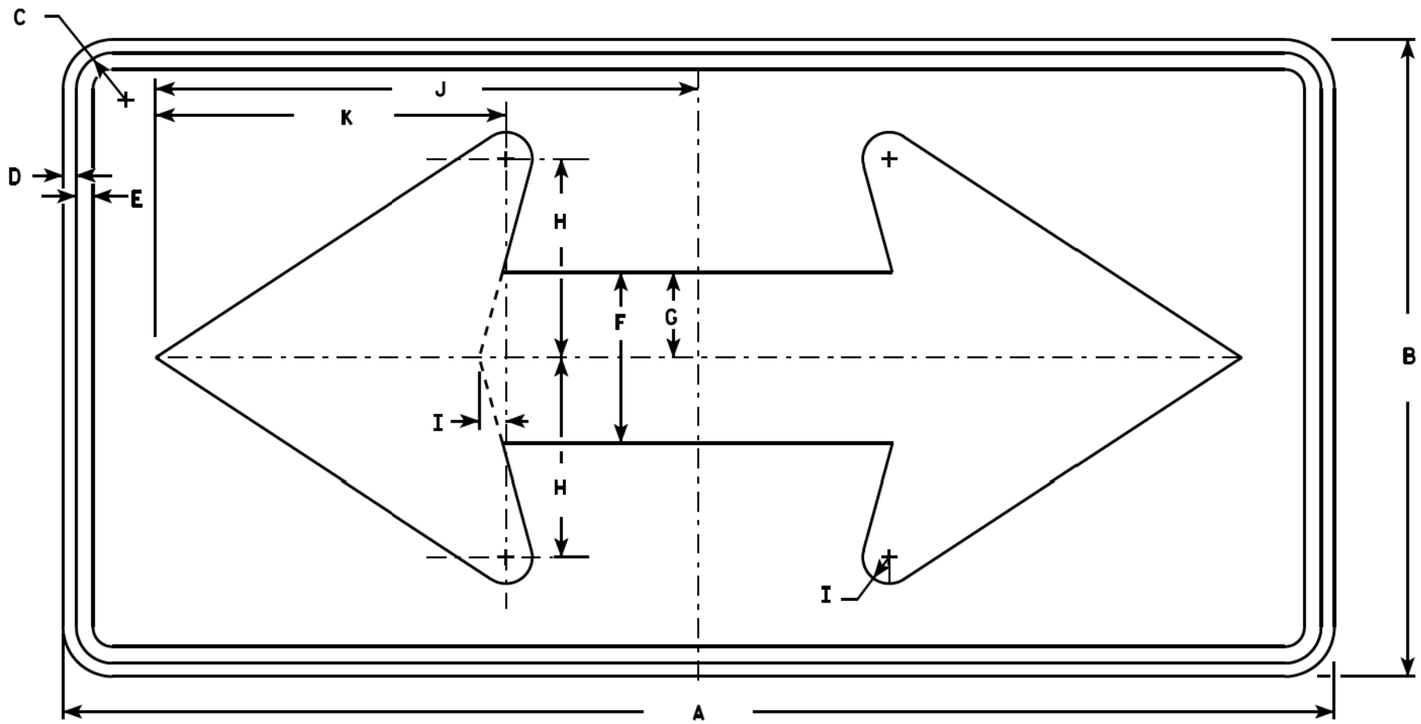
PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

W1-6.dgn 10/30/2012 3:35:27 PM jdolens

7

7



W1-7

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	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

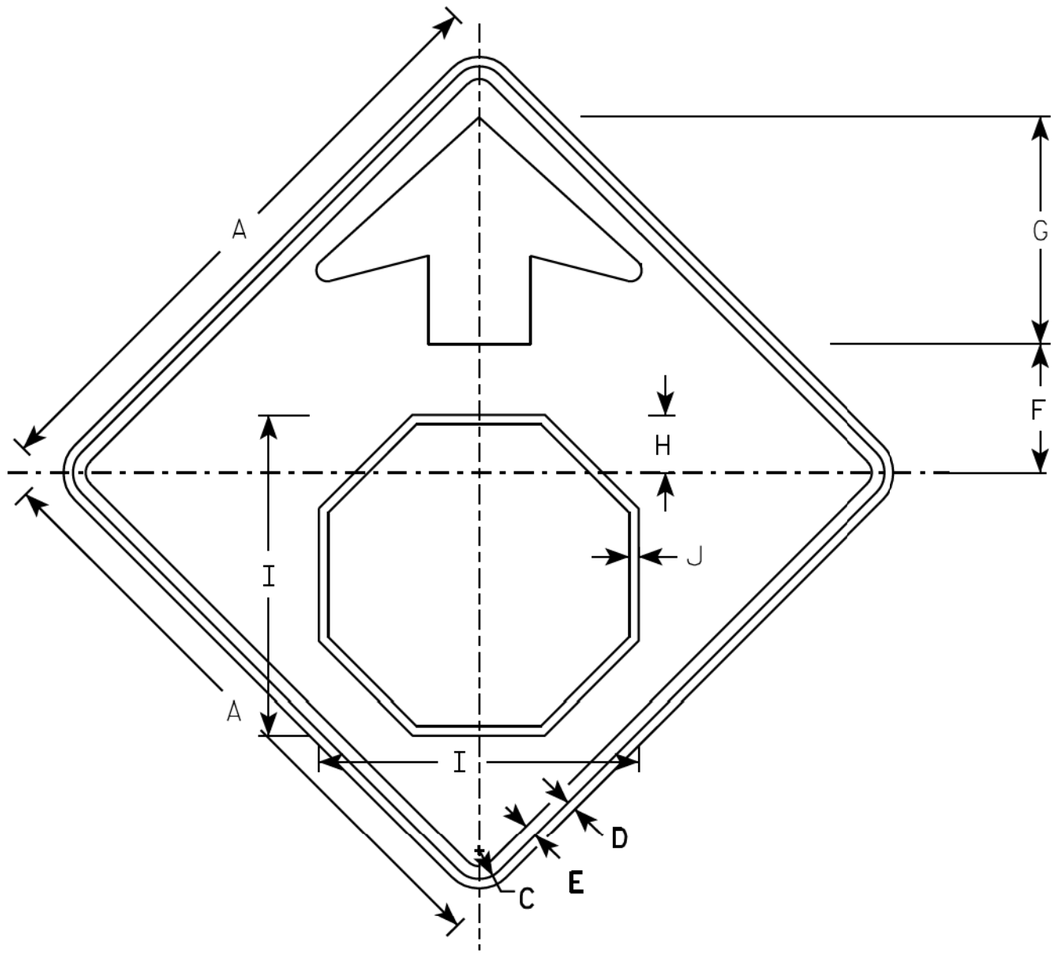
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

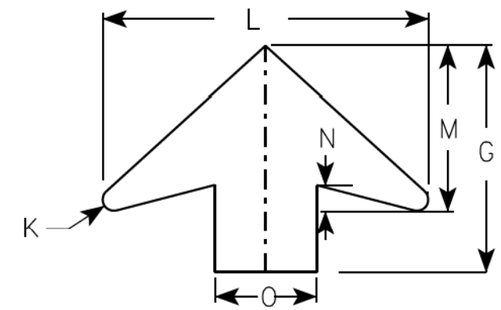
W1-7.dgn 10/30/2012 3:35:30 PM jdolens



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

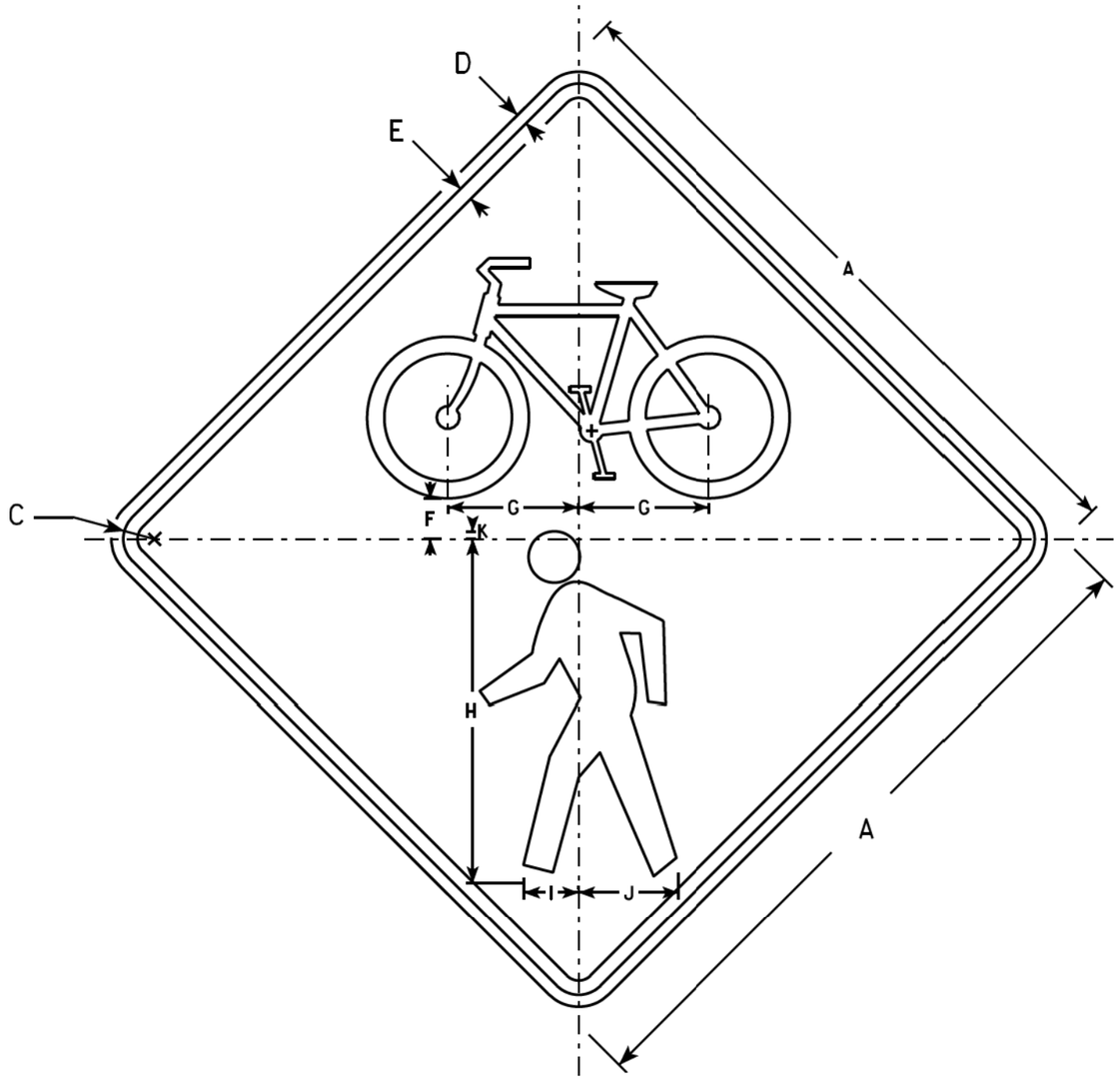
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : **....designfile....** PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME : PLOT SCALE : **.....plotscale.....**
WISDOT/CADDS SHEET 47
W3-1.dgn 10/30/2012 3:35:33 PM jdolens



W11-15

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	3/4	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																5.0
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

WISCONSIN DEPT OF TRANSPORTATION

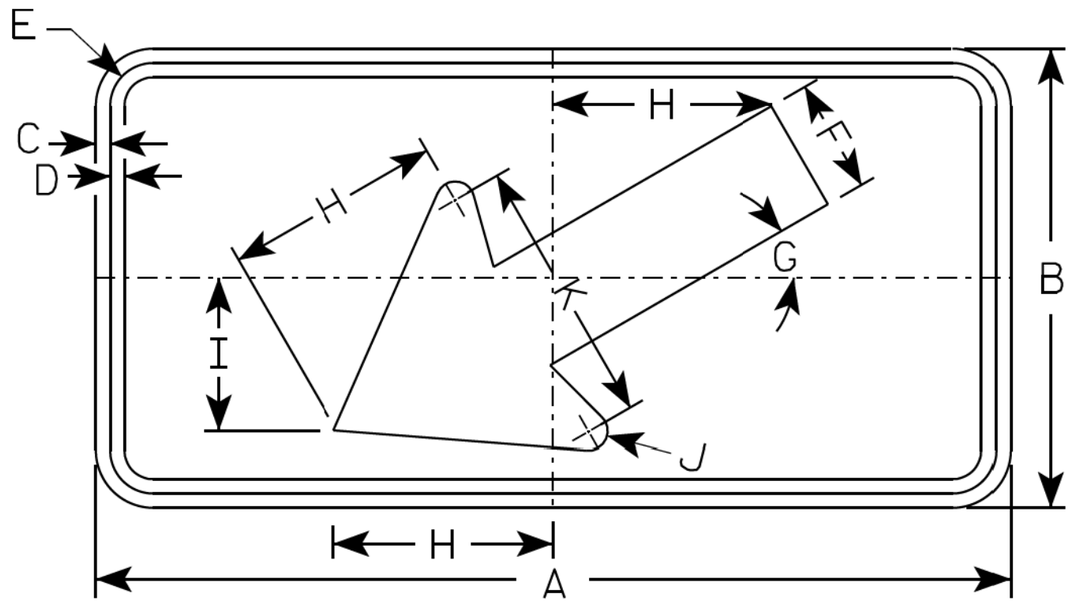
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 12/21/10 PLATE NO. W11-15.2

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

W11-15.dgn 10/30/2012 3:35:35 PM jdolens



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

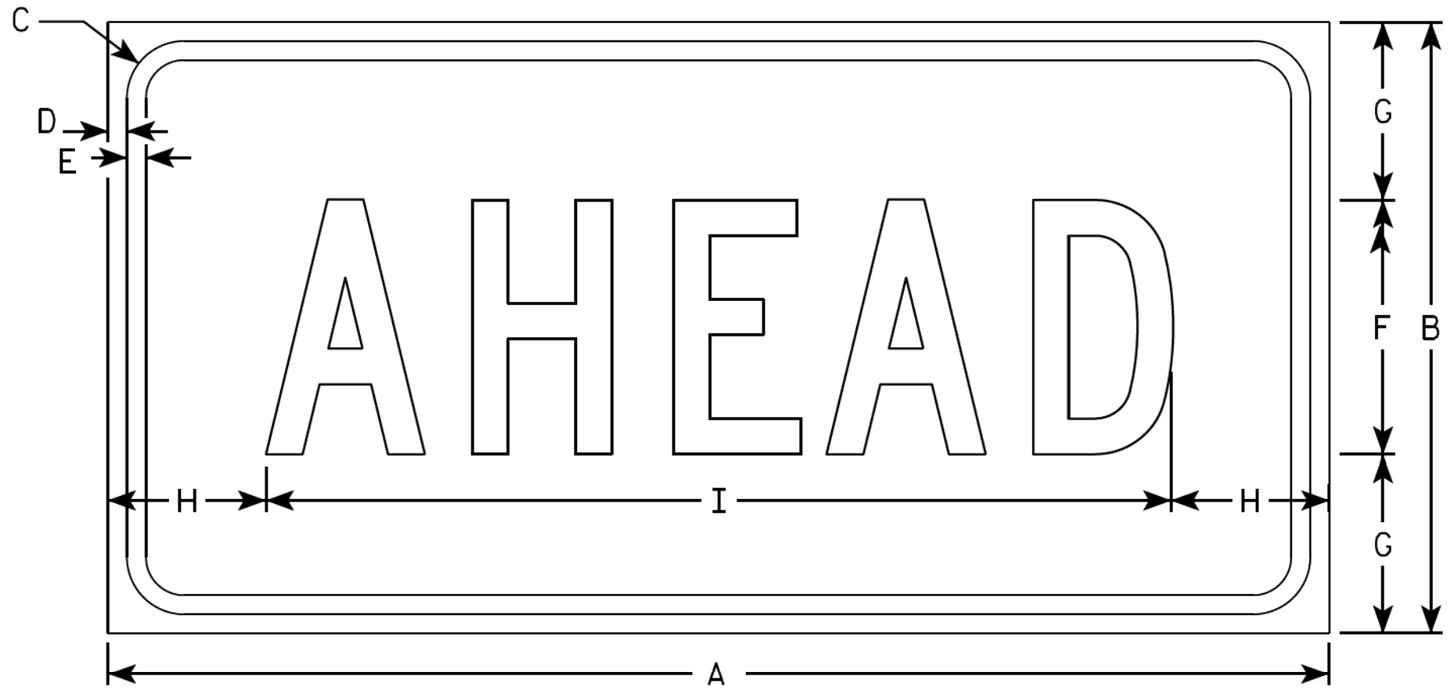
APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET | E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

W16-7.dgn 10/30/2012 3:35:38 PM jdolens



W16-9P

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 - 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.

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	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

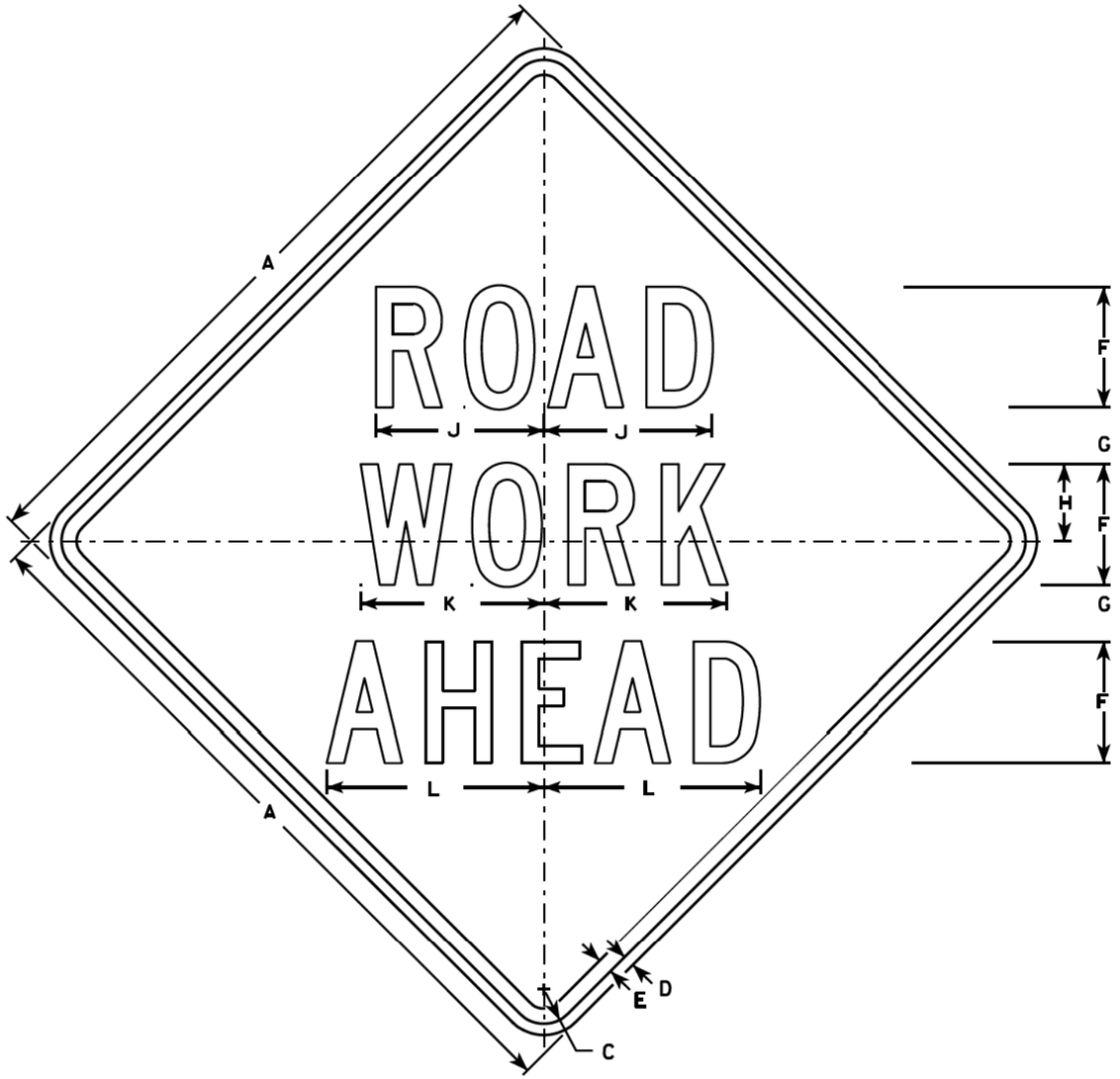
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

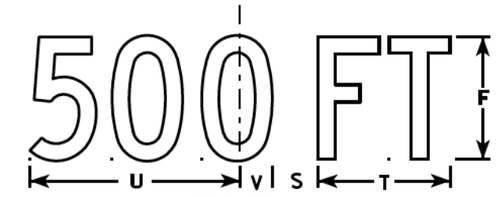
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

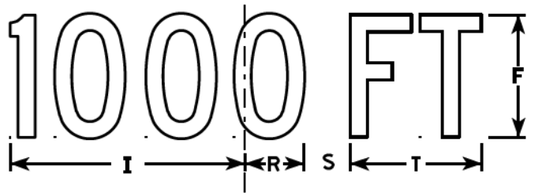
W16-9P.dgn 10/30/2012 3:35:41 PM jdolens



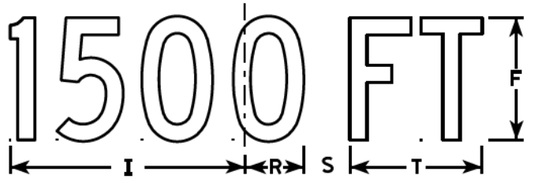
W20-1A



W20-1D



W20-1C



W20-1B

W20-1G

W20-1F

NOTES

1. Sign is 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 - 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.

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	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	1 7/8	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-1.9

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	SIGN PLATES	SHEET	E

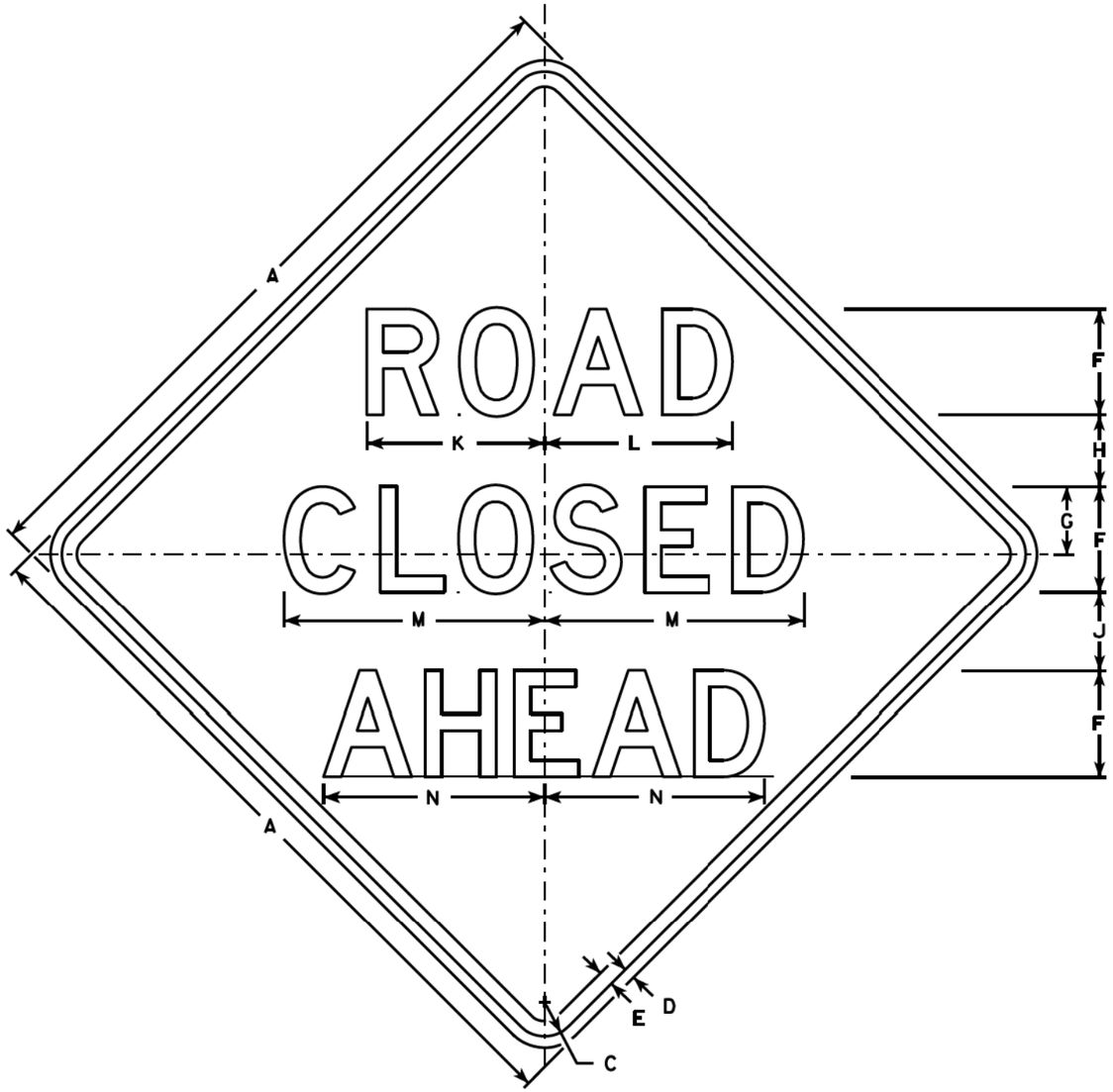
FILE NAME : **....designfile....** PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME : PLOT SCALE : **.....plotscale.....**

WISDOT/CADDS SHEET 47

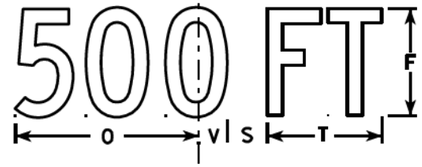
W20-1.dgn 10/30/2012 3:35:44 PM jdolens

7

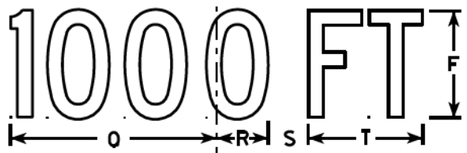
7



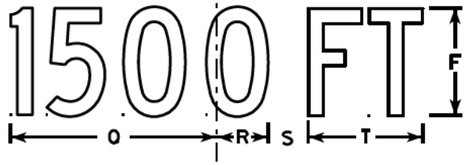
W20-3A



W20-3D



W20-3C



W20-3B

W20-3G

W20-3F

NOTES

1. Sign is 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 - 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 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

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	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: 5990-00-78 | HWY: RIVER STREET | COUNTY: ROCK | SIGN PLATES | SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 47

W20-3.dgn 10/30/2012 3:35:47 PM jdolens

7

7

EARTHWORK PROJECT I.D. 5990-00-23

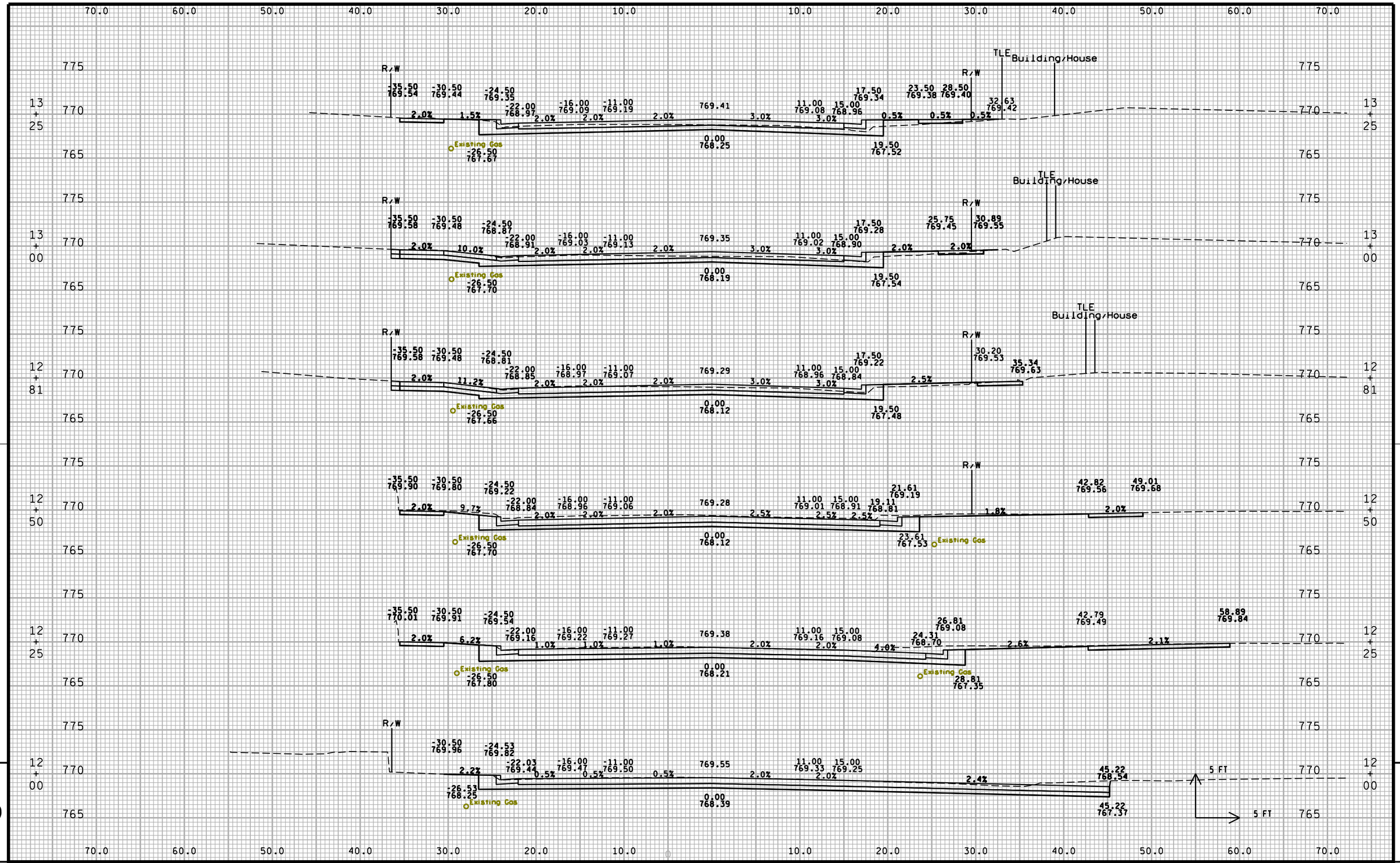
STATION (Mainline)	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
12+00	1200		91	25.33	0	0	0	0			0
12+25	1225	25	89	25.33	0	83	23	0	83	0	60
12+50	1250	25	79	25.33	0	78	23	0	161	0	114
12+81	1281	31	58	25.33	3	79	29	2	240	2	162
13+00	1300	19	51	25.33	3	38	18	2	278	4	180
13+25	1325	25	38	25.33	4	41	23	3	320	8	194
13+38	1338	13	46	25.33	0	20	12	1	340	9	201
13+49	1349	11	53	25.33	0	20	10	0	360	9	211
13+75	1375	26	31	25.33	3	40	24	1	401	11	226
13+96	1396	21	35	25.33	0	26	20	1	426	12	230
14+18	1418	22	29	25.33	6	26	21	2	452	15	233
14+33	1433	15	29	25.33	5	16	14	3	468	19	231
14+50	1450	17	34	25.33	4	20	16	3	488	22	232
14+75	1475	25	32	25.33	4	31	23	4	519	27	234
14+98	1498	23	39	25.33	4	30	22	3	549	31	239
15+25	1525	27	32	25.33	4	36	25	4	585	36	244
15+50	1550	25	32	25.33	5	30	23	4	614	41	245
15+63	1563	13	37	25.33	5	17	12	2	631	44	246
15+80	1580	17	42	25.33	0	25	16	2	656	46	253
15+91	1591	11	36	25.33	0	16	10	0	672	46	259
16+00	1600	9	35	25.33	0	12	8	0	683	46	262
16+25	1625	25	24	25.33	12	27	23	6	711	53	259
16+50	1650	25	27	25.33	1	24	23	6	734	61	251
16+55	1655	5	68	48.67	1	9	7	0	743	61	253
16+70	1670	15	81	48.67	1	41	27	1	784	62	266
16+85	1685	15	71	48.67	1	42	27	1	827	63	281
17+00	1700	15	47	25.33	1	33	21	0	859	63	292
17+25	1725	25	37	25.33	2	39	23	1	898	65	306
17+50	1750	25	39	25.33	1	35	23	1	934	66	317
17+77	1777	27	45	25.33	1	42	25	1	976	67	332
18+00	1800	23	36	25.33	1	35	22	1	1010	68	344
18+25	1825	25	35	25.33	2	33	23	1	1043	70	352
18+52	1852	27	44	25.33	1	40	25	0	1082	70	366
18+75	1875	23	33	25.33	2	33	22	1	1115	72	376
19+00	1900	25	34	25.33	2	31	23	2	1146	74	381
19+25	1925	25	38	25.33	1	33	23	1	1180	76	389
19+50	1950	25	50	25.33	0	41	23	1	1220	76	406
19+75	1975	25	47	25.33	2	45	23	1	1265	77	426
19+89	1989	14	76	50.67	1	32	20	1	1297	78	437
20+04	2004	15	79	50.67	1	43	28	1	1340	79	452
20+18	2018	14	71	50.67	1	39	26	1	1379	80	463
20+25	2025	7	39	25.33	5	14	10	1	1393	81	467
20+50	2050	25	34	25.33	9	34	23	6	1427	89	469
20+75	2075	25	39	25.33	9	34	23	8	1461	99	469
20+93	2093	18	48	25.33	0	29	17	3	1490	103	478
20+98	2098	5	48	25.33	0	9	5	0	1499	103	482
21+25	2125	27	46	25.33	3	47	25	2	1546	105	502
21+54	2154	29	43	25.33	0	48	27	2	1594	107	520
21+65	2165	11	52	25.33	0	19	10	0	1613	107	529
21+75	2175	10	20	25.33	2	13	9	0	1626	107	532
22+05	2205	30	59	25.33	0	44	28	1	1670	109	546
22+08	2208	3	60	25.33	0	7	3	0	1677	109	550
22+25	2225	17	57	25.33	0	37	16	0	1714	109	571
22+53	2253	28	62	25.33	0	62	26	0	1775	110	606
22+75	2275	22	67	25.33	0	53	21	0	1828	110	638
23+00	2300	25	60	25.33	2	59	23	1	1887	111	672
23+24	2324	24	112	62.67	0	76	39	1	1963	112	708
23+39	2339	15	117	62.67	0	64	35	0	2027	112	737
23+53	2353	14	105	50.67	0	58	29	0	2084	112	765
23+75	2375	22	50	26.67	4	63	32	2	2147	114	795
24+00	2400	25	48	26.67	4	45	25	4	2193	118	811
24+25	2425	25	48	26.67	1	44	25	2	2237	121	828
24+50	2450	25	51	26.67	1	46	25	1	2283	123	848

EARTHWORK CONT...

24+73	2473	23	56	26.67	1	46	23	1	2329	124	870
25+00	2500	27	55	26.67	1	56	27	1	2384	125	897
25+25	2525	25	72	26.67	0	59	25	1	2443	126	930
25+40	2540	15	71	26.67	0	40	15	0	2483	126	955
25+50	2550	10	74	26.67	0	27	10	0	2509	126	972
25+75	2575	25	63	26.67	0	63	25	0	2573	126	1011
26+00	2600	25	59	26.67	0	56	25	0	2629	127	1042
26+25	2625	25	68	26.67	0	59	25	0	2688	127	1076
26+45	2645	20	111	58.67	0	66	32	0	2754	127	1110
26+50	2650	5	116	58.67	0	21	11	0	2776	127	1121
26+68	2668	18	129	58.67	0	82	39	0	2857	127	1163
26+75	2675	7	124	58.67	0	33	15	0	2890	127	1181
26+87	2687	12	114	58.67	0	53	26	0	2943	127	1207
27+00	2700	13	75	30.00	2	46	21	0	2988	128	1231
27+25	2725	25	66	41.33	1	65	33	1	3054	129	1262
27+50	2750	25	60	41.33	0	58	38	1	3112	130	1281
27+75	2775	25	42	28.00	3	47	32	1	3159	131	1295
28+00	2800	25	38	28.00	4	37	26	3	3196	135	1302
28+25	2825	25	43	28.00	3	38	26	3	3234	139	1310
28+34	2834	9	44	28.00	3	15	9	1	3248	141	1313
28+50	2850	16	47	28.00	3	27	17	2	3275	143	1322
28+75	2875	25	48	28.00	3	44	26	3	3319	146	1337
29+00	2900	25	52	28.00	1	46	26	2	3365	148	1354
29+25	2925	25	54	28.00	1	49	26	1	3415	149	1376
29+50	2950	25	51	28.00	2	49	26	1	3463	151	1397
29+75	2975	25	54	34.67	7	49	29	4	3512	157	1411
29+79	2979	4	82	49.33	7	10	6	1	3522	158	1414
30+00	3000	21	82	46.67	7	64	37	5	3586	165	1433
30+16	3016	16	93	44.67	0	52	27	2	3637	168	1456
30+25	3025	9	39	30.00	5	22	12	1	3659	169	1464
30+50	3050	25	34	28.00	2	34	27	3	3693	173	1467
30+75	3075	25	73	43.33	1	50	33	1	3743	174	1482
31+00	3100	25	57	31.33	1	60	35	1	3803	176	1506
31+25	3125	25	70	40.00	1	59	33	1	3862	177	1531
31+50	3150	25	64	28.67	1	62	32	1	3924	178	1560
31+72	3172	22	77	28.00	0	57	23	0	3981	179	1594
32+00	3200	28	71	28.00	1	77	29	1	4058	180	1640
32+25	3225	25	68	28.00	1	64	26	1	4122	181	1677
32+50	3250	25	60	28.00	2	59	26	2	4182	183	1709
32+75	3275	25	53	28.00	3	52	26	3	4234	186	1732
33+02	3302	27	70	40.00	0	62	34	2	4295	188	1757
						4,295	2,350	151			

STATION (Multi-Use Path 1)	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
100+25	10025		1	1.67	1	0	0	0			0
100+50	10050	25	8	1.67	0	4	2	0	4	0	2
100+75	10075	25	7	1.33	0	7	1	0	11	1	7
101+00	10100	25	7	1.33	0	7	1	0	17	1	12
101+25	10125	25	7	1.33	0	7	1	0	24	1	17
						24	5	1			

STATION (Multi-Use Path 2)	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
102+50	10250		11	1.33	0	0					
102+75	10275	25	8	0.67	0	8	1	0			
103+00	10300	25	6	0.00	0	6	0	0	6	0	6
103+25	10325	25	1	0.00	3	3	0	1	9	2	7
103+50	10350	25	0	0.00	4	0	0	3	10	5	4
103+75	10375	25	0	0.00	8	0	0	5	10	12	-3
104+00	10400	25	0	0.00	10	0	0	8	10	23	-13
104+25	10425	25	1	0.00	5	0	0	7	11	32	-22
104+50	10450	25	25	0.00	1	12	0	3	22	36	-14
104+75	10475	25	7	0.00	0	15	0	1	37	37	0
						94	12	32			



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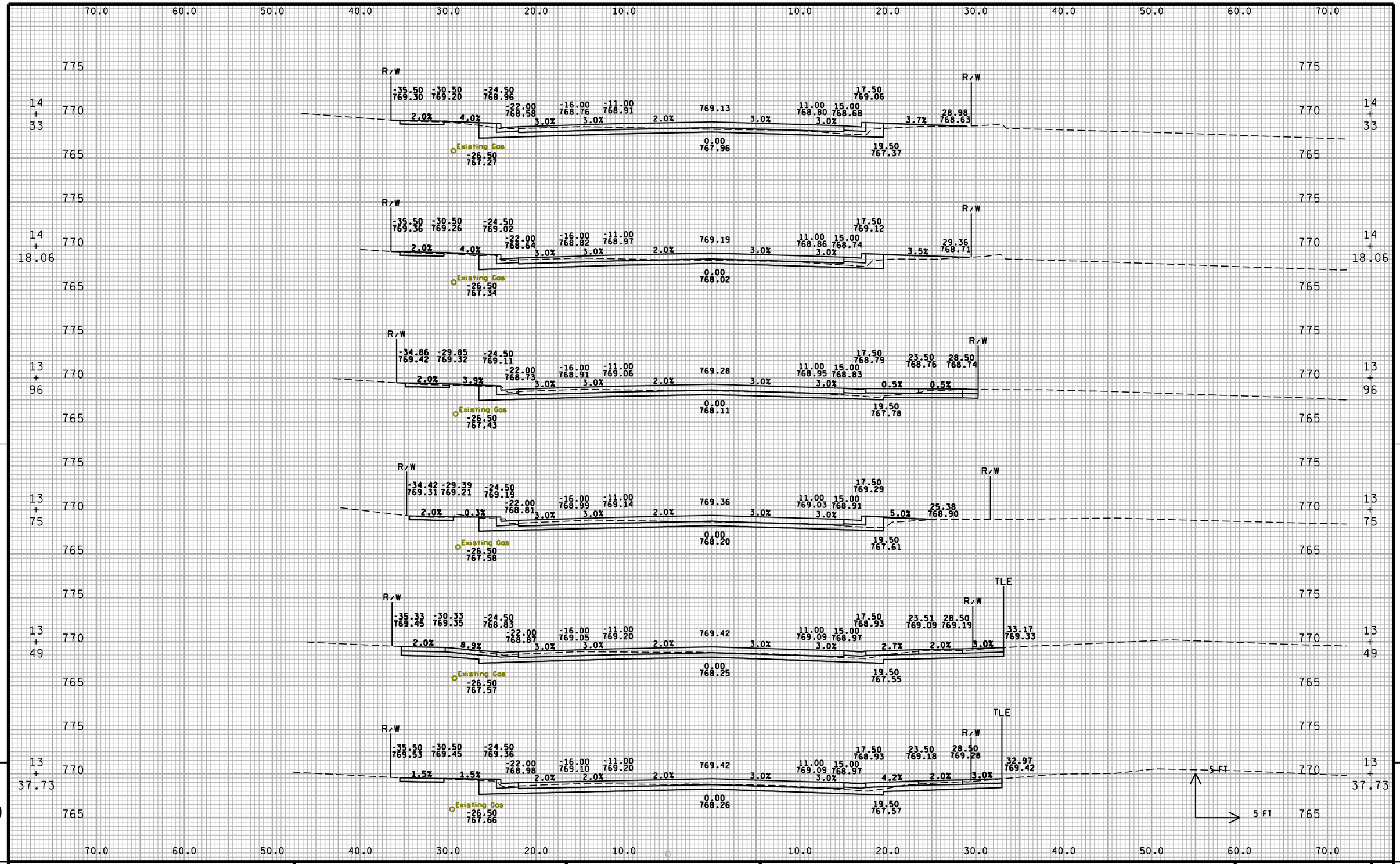
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

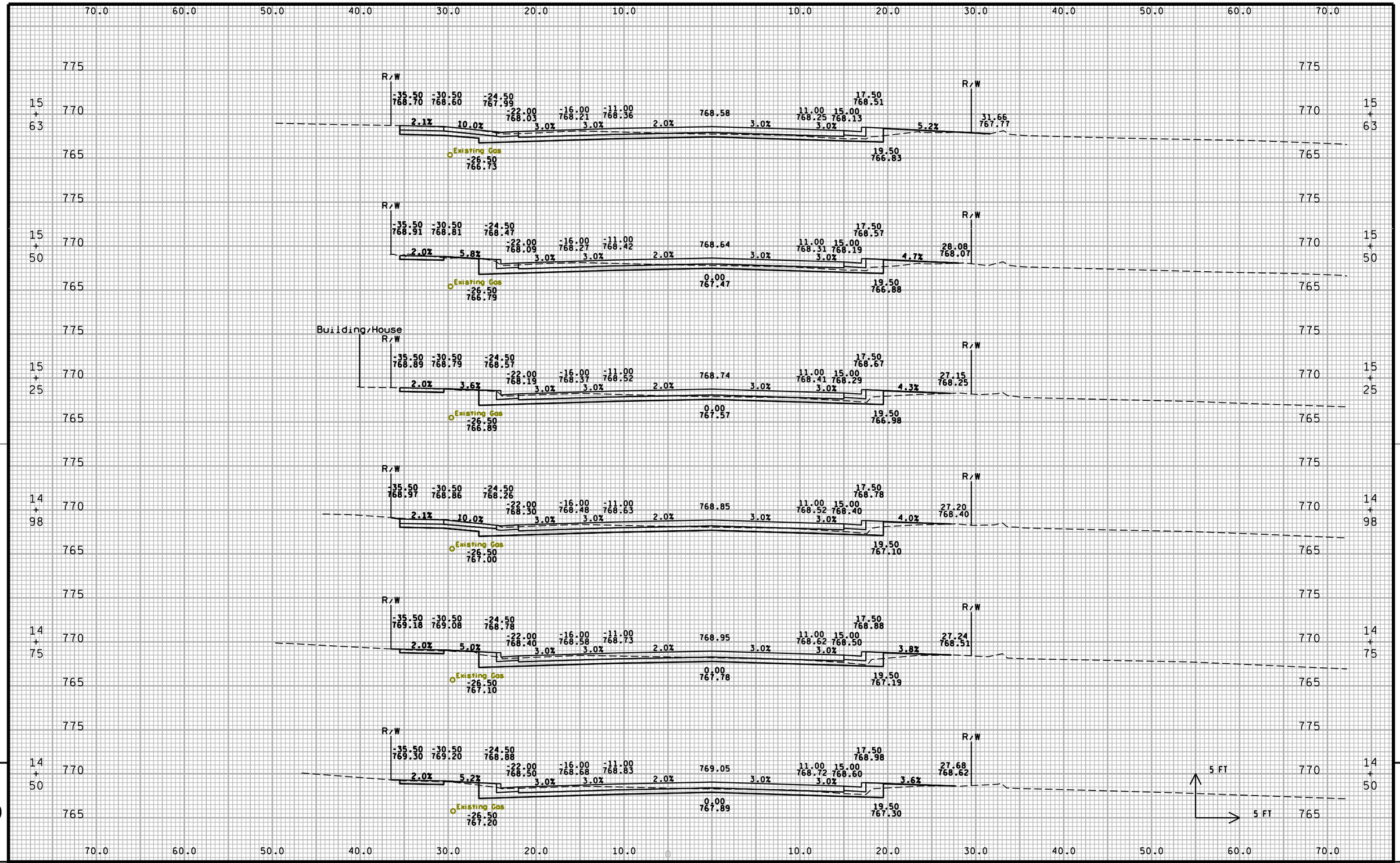
197

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc001001.dgn 10/30/2012 3:35:48 PM jdolens

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc002001.dgn 10/30/2012 3:35:49 PM jdolens



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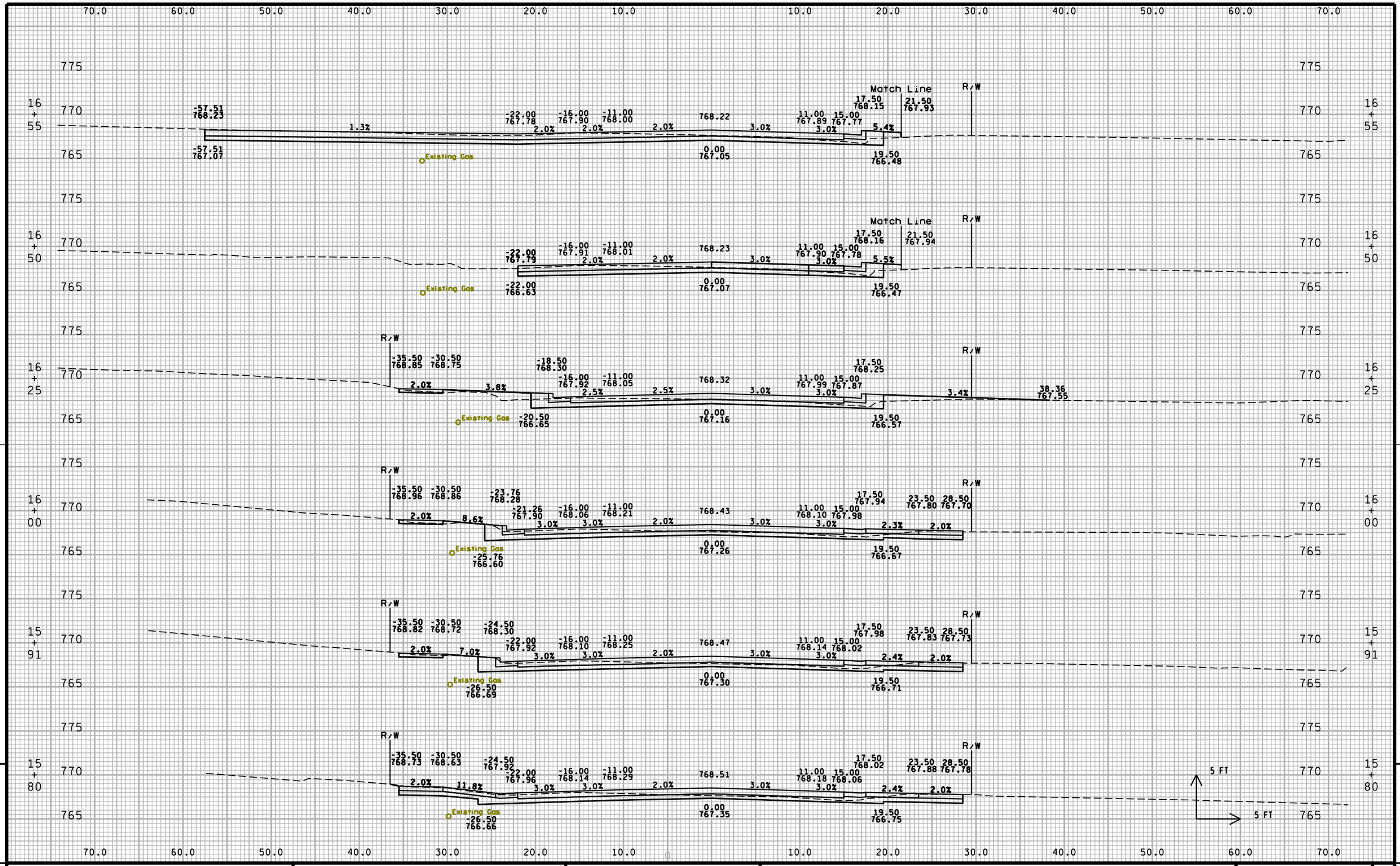
9

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc003001.dgn 10/30/2012 3:35:51 PM jdolens

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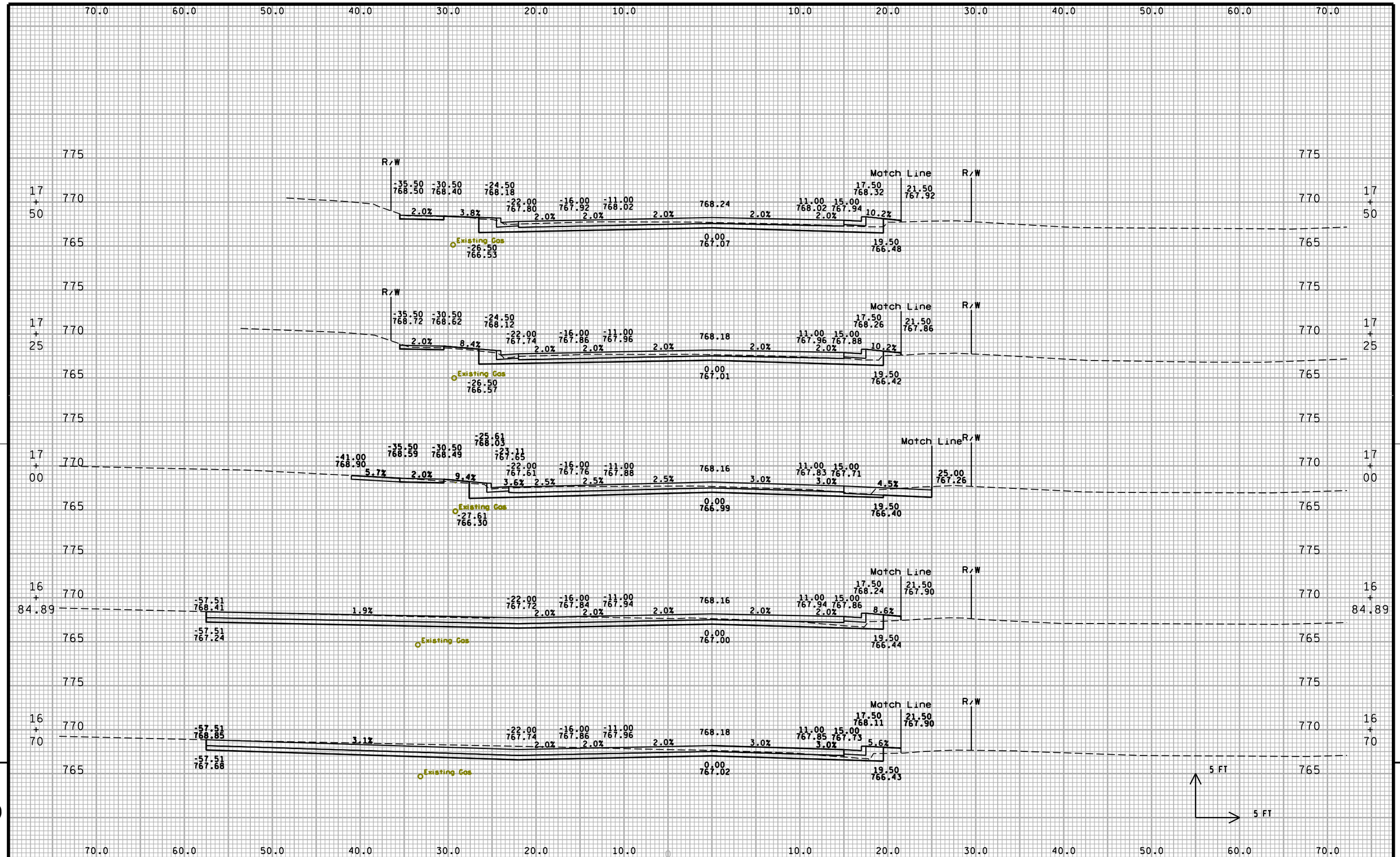
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET 200	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

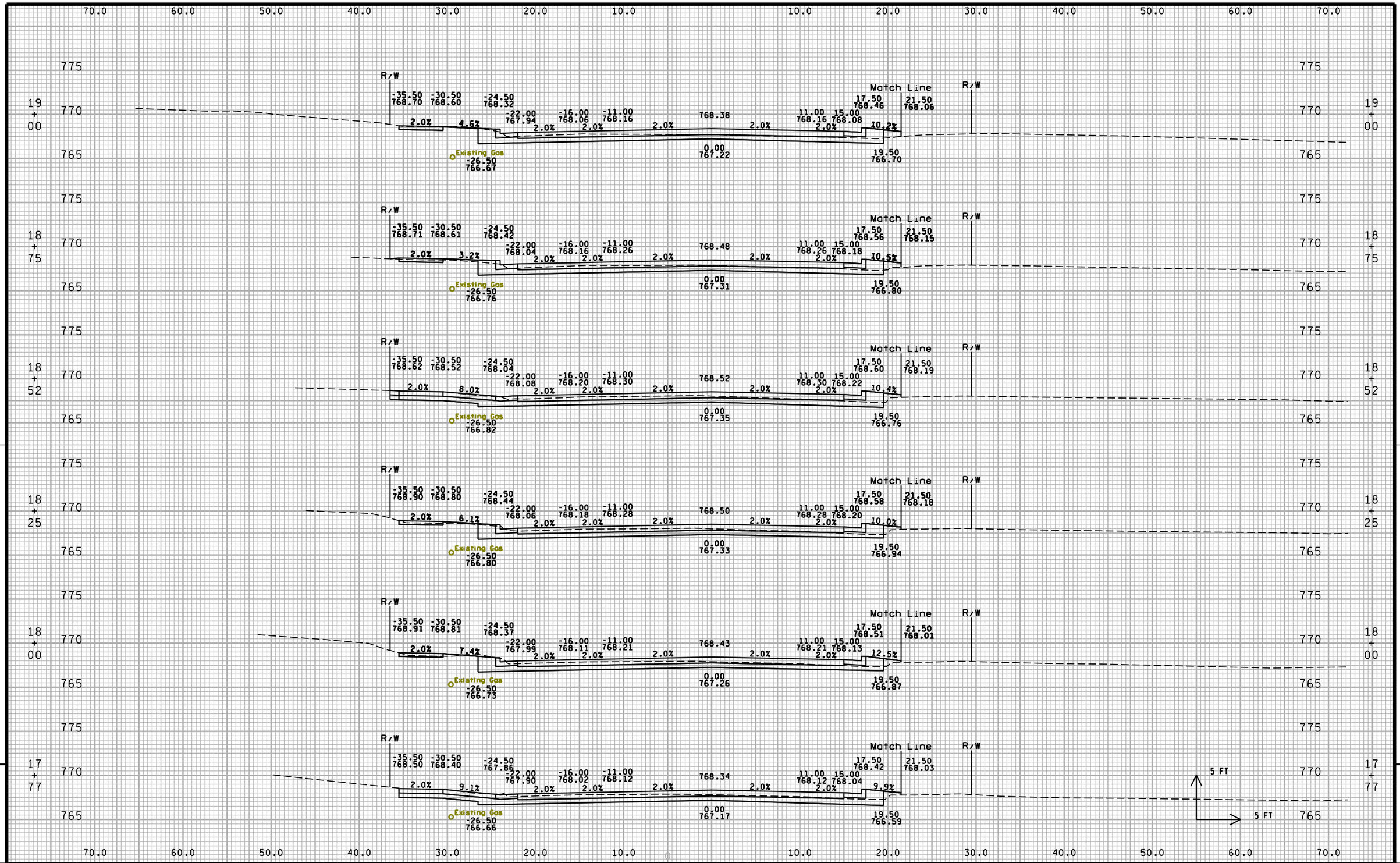
rc004001.dgn 10/30/2012 3:35:52 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

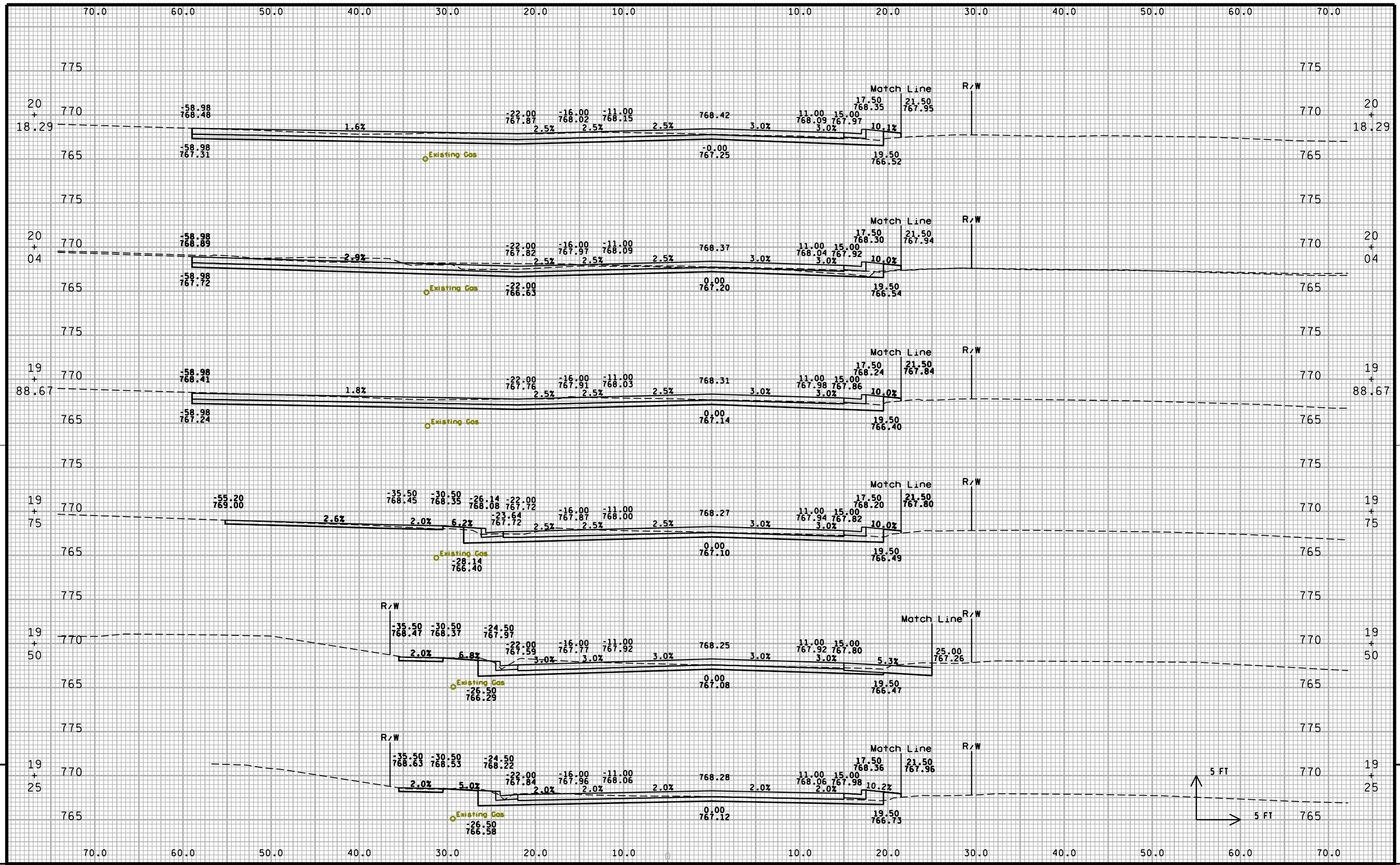
rc005001.dgn 10/30/2012 3:35:53 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc006001.dgn 10/30/2012 3:35:55 PM jdolens



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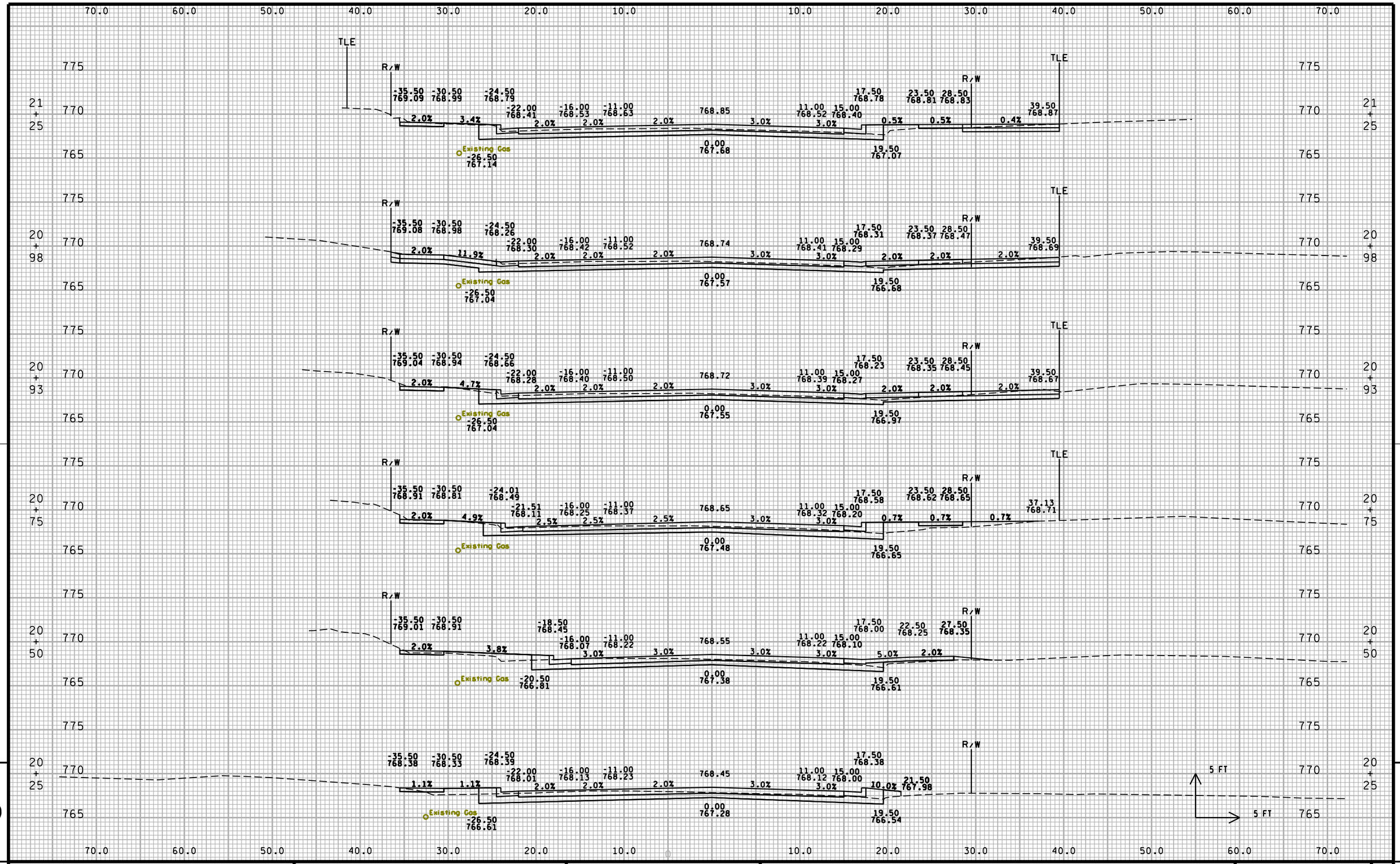
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

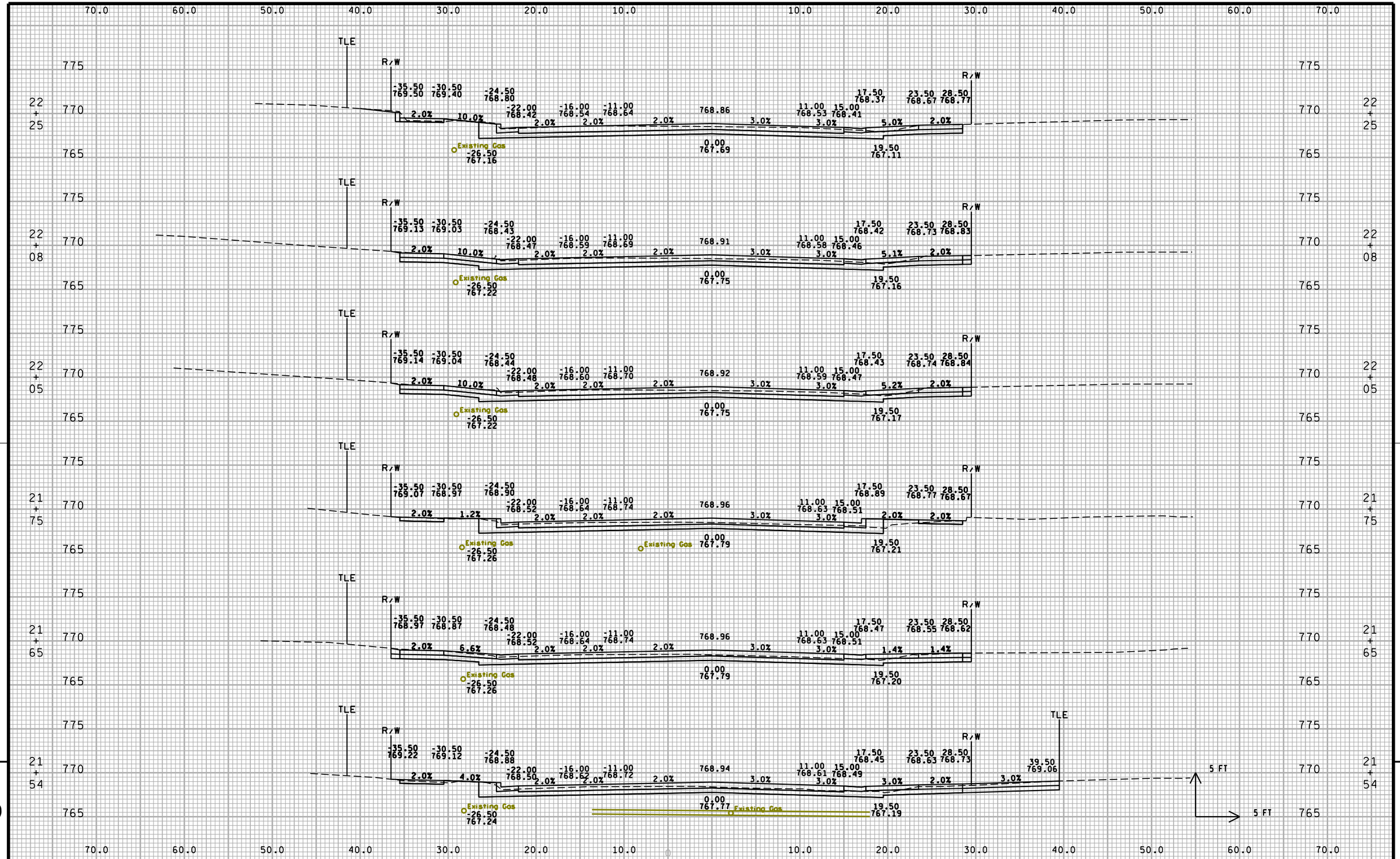
rc007001.dgn 10/30/2012 3:35:56 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc008001.dgn 10/31/2012 7:14:18 AM jdolens



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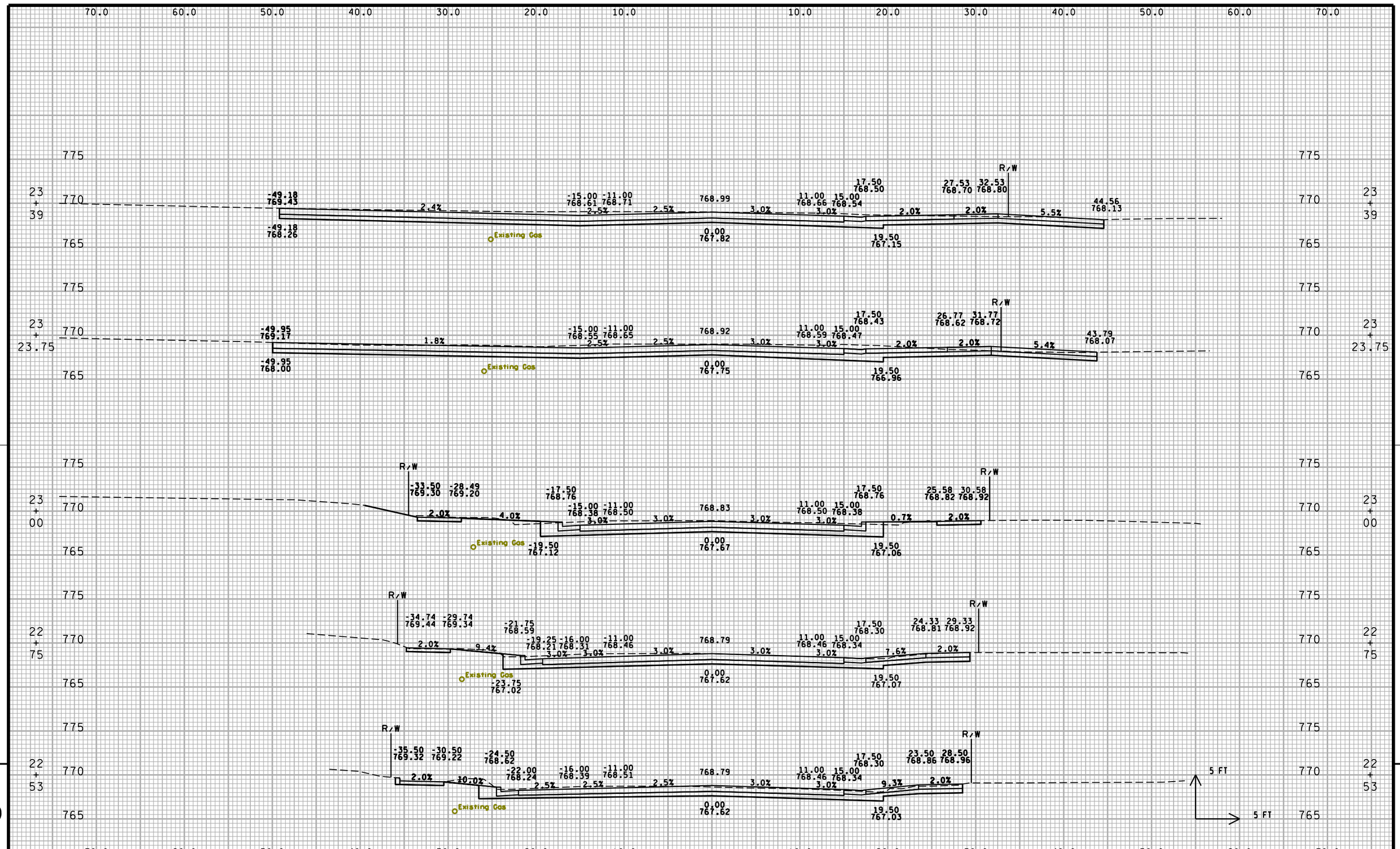
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc009001.dgn 10/30/2012 3:35:59 PM jdolens



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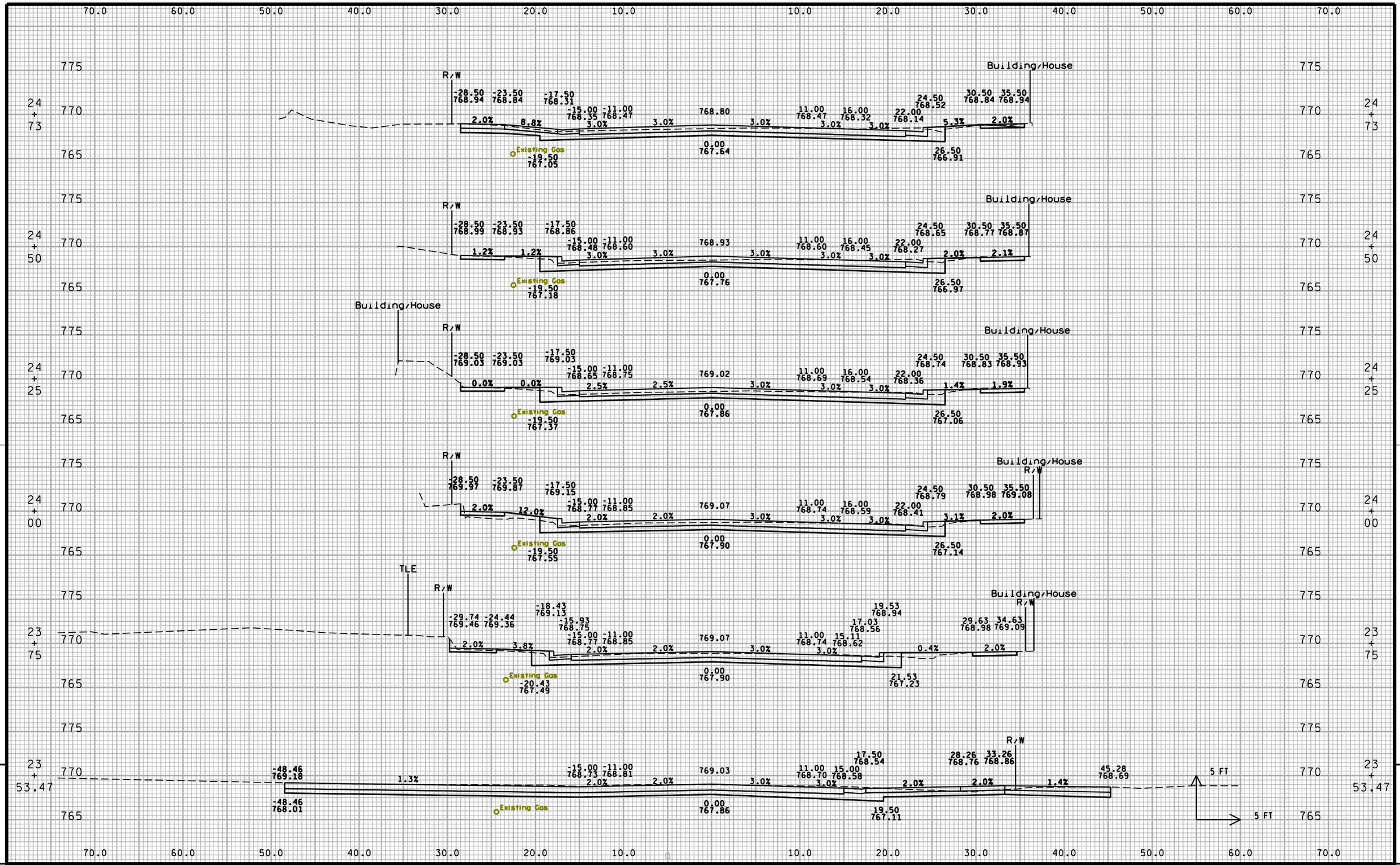
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

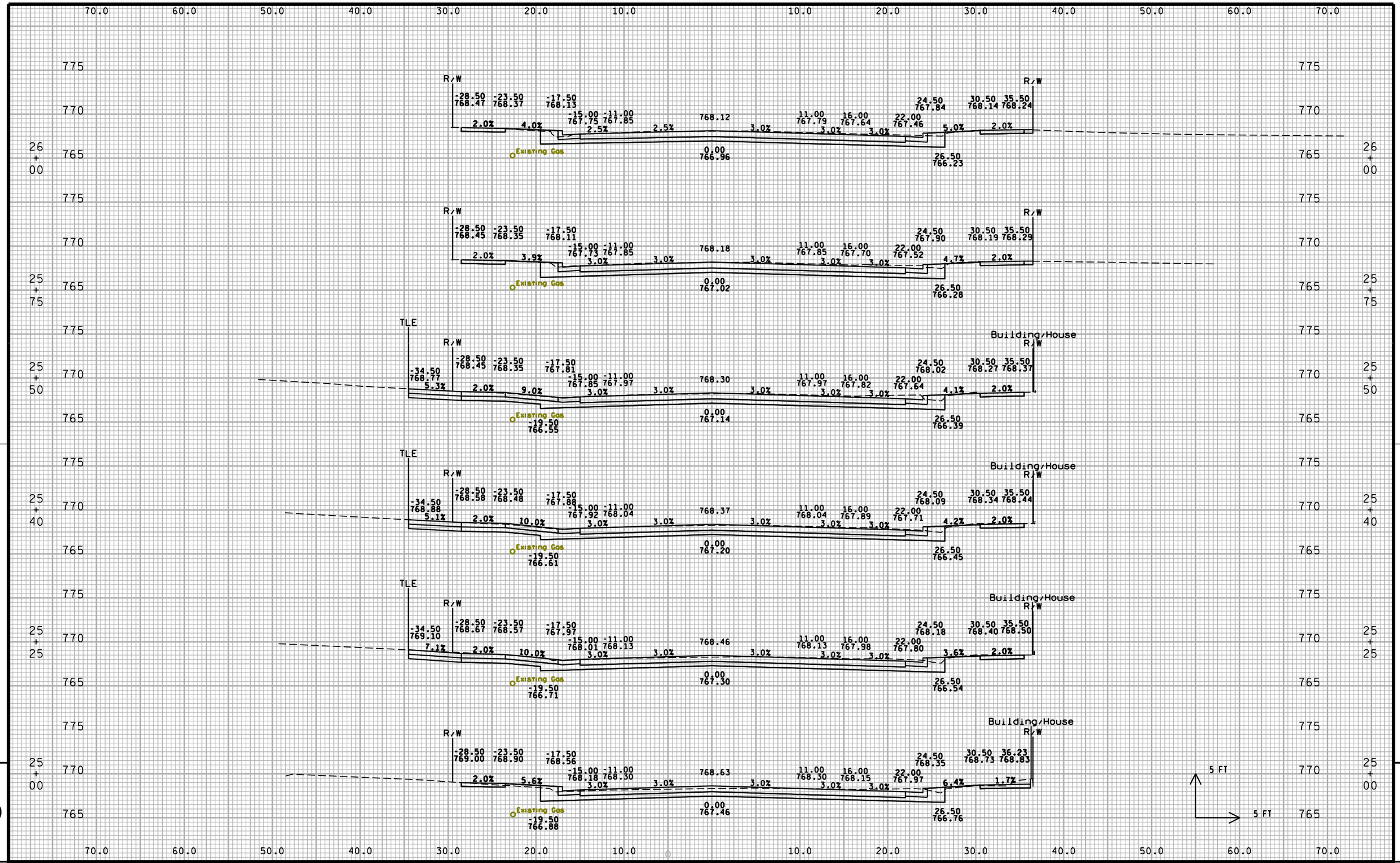
rc010001.dgn 10/30/2012 3:36:00 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc011001.dgn 10/30/2012 3:36:01 PM jdolens



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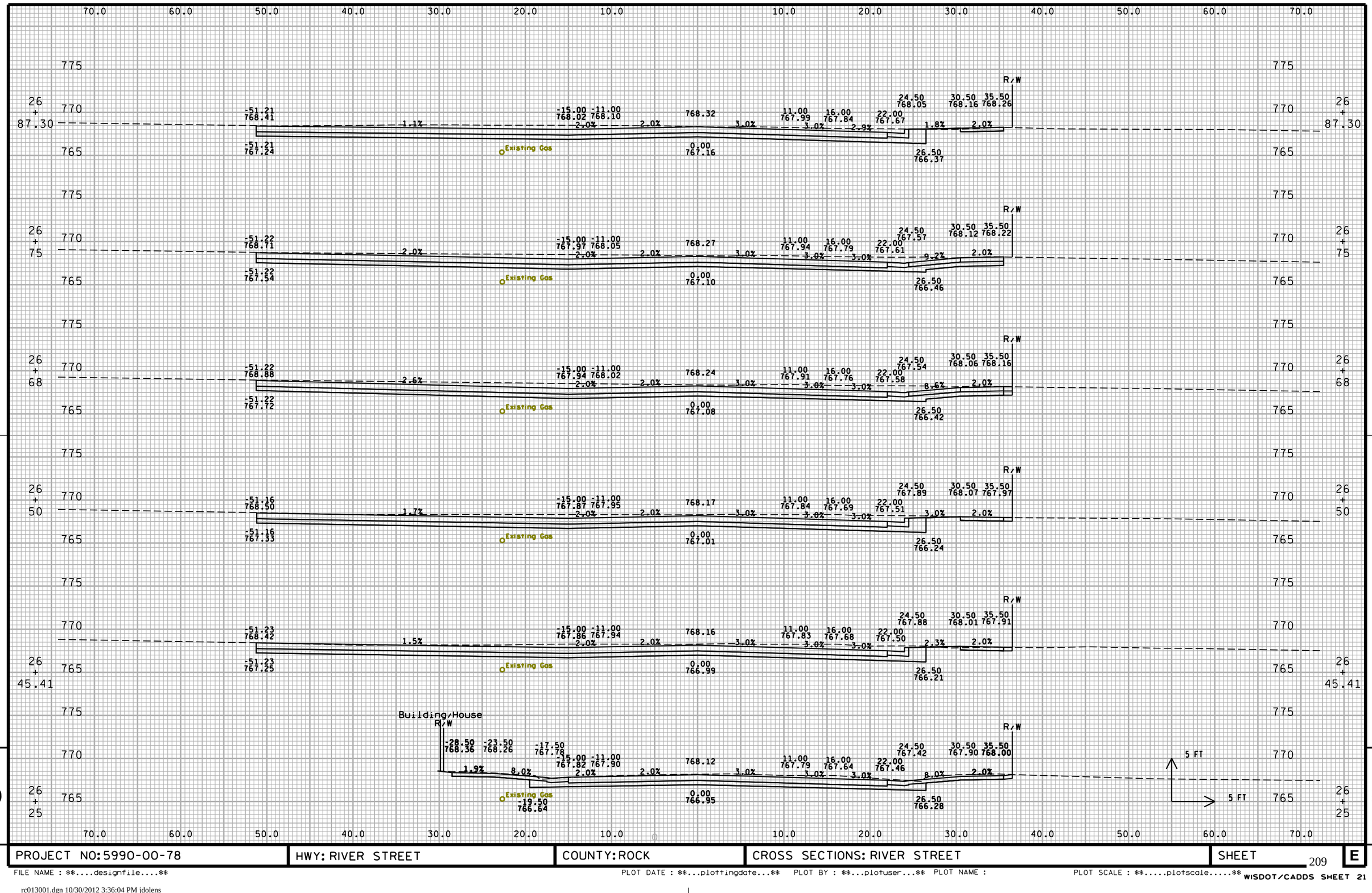
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc012001.dgn 10/30/2012 3:36:03 PM jdolens



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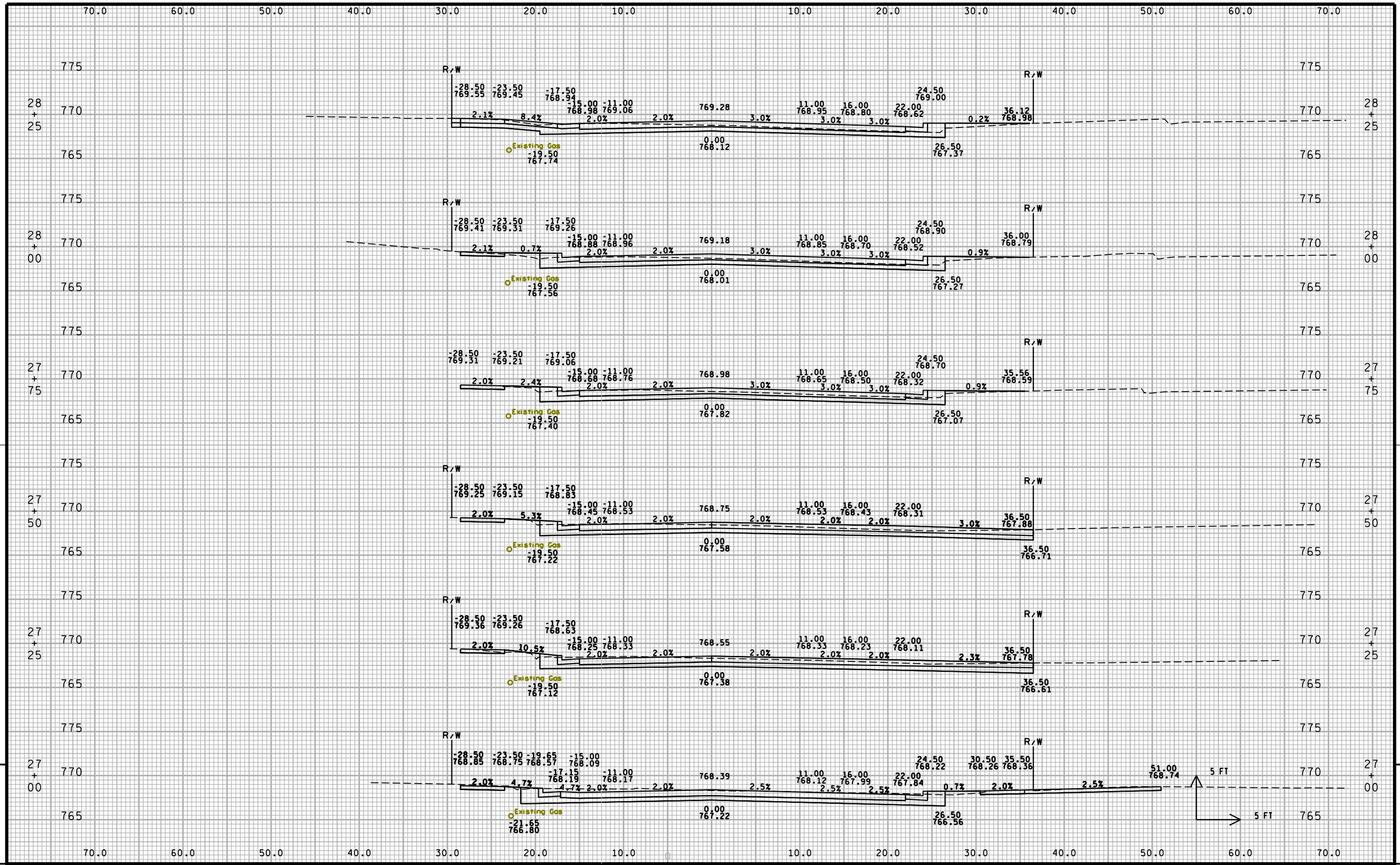
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

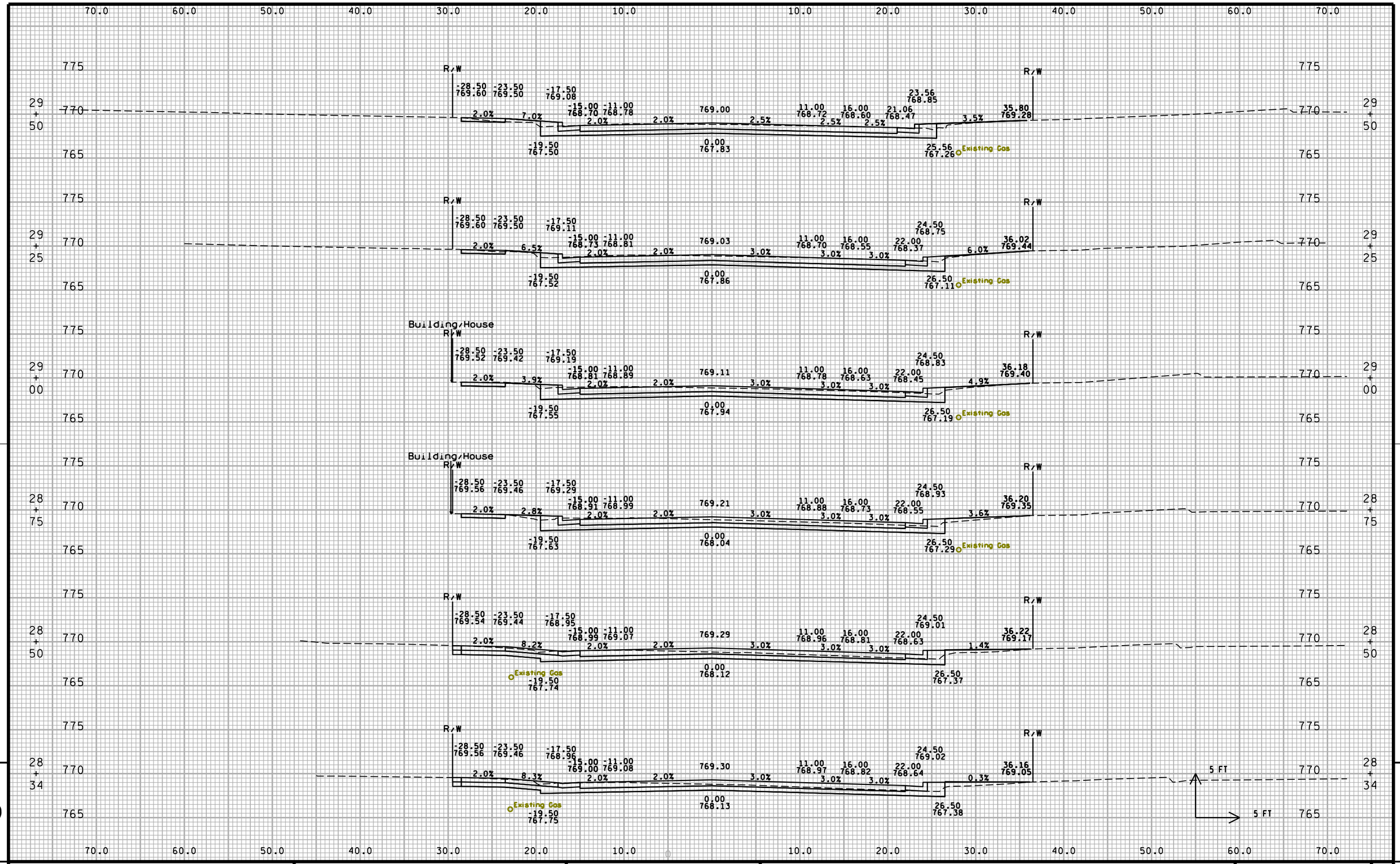
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

rc013001.dgn 10/30/2012 3:36:04 PM jdolens

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET 210	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc014001.dgn 10/30/2012 3:36:05 PM jdolens



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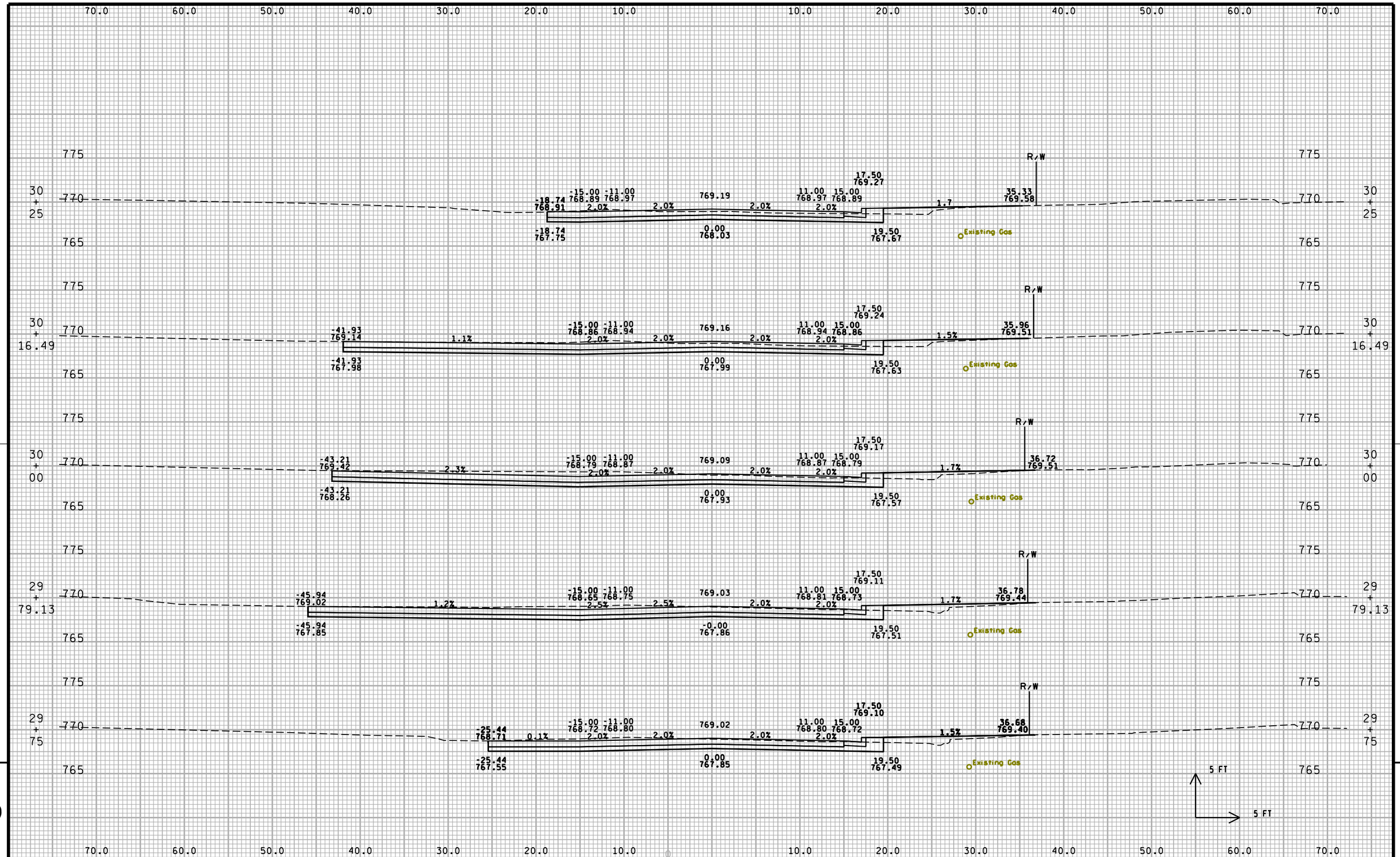
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc015001.dgn 10/30/2012 3:36:06 PM jdolens



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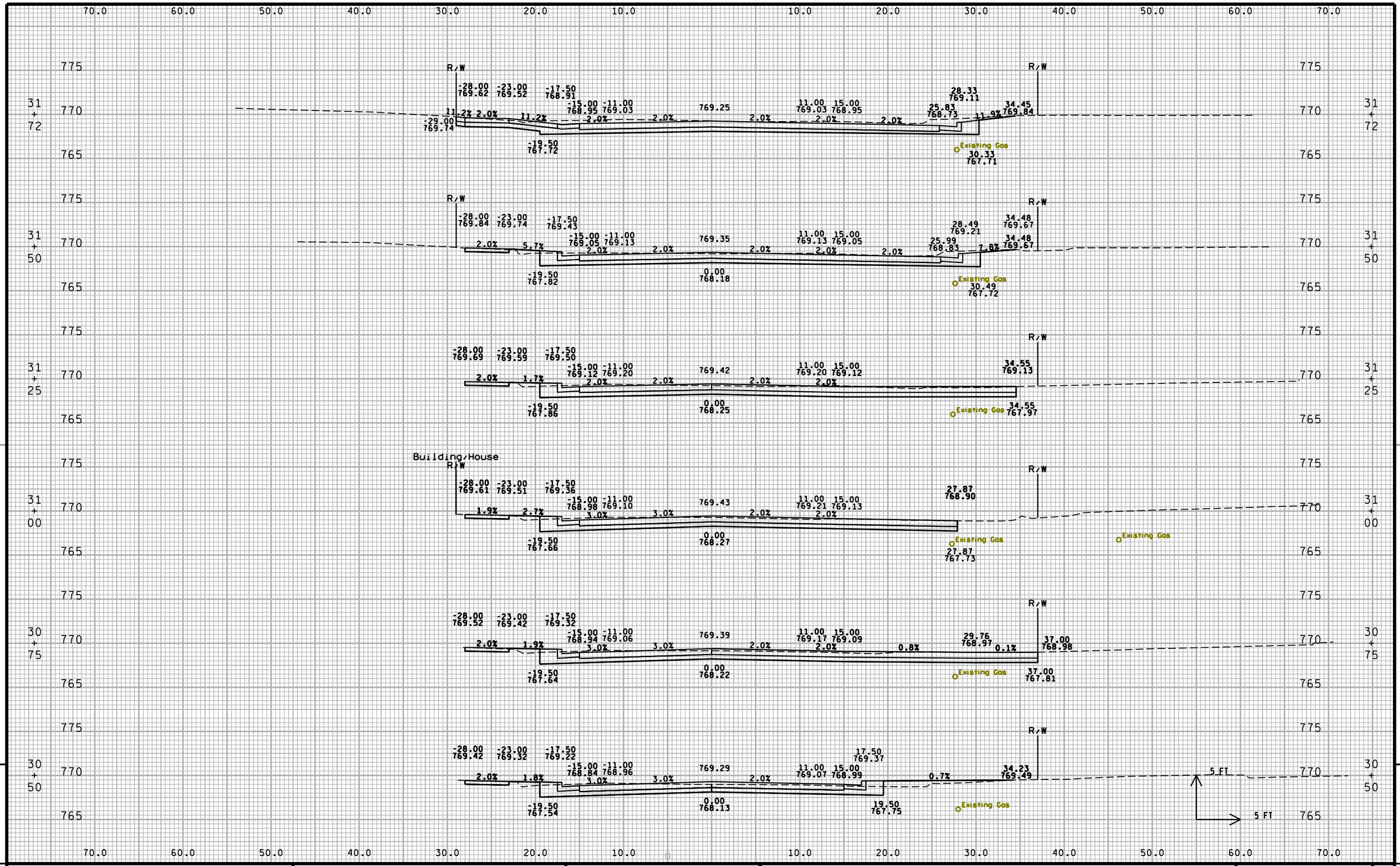
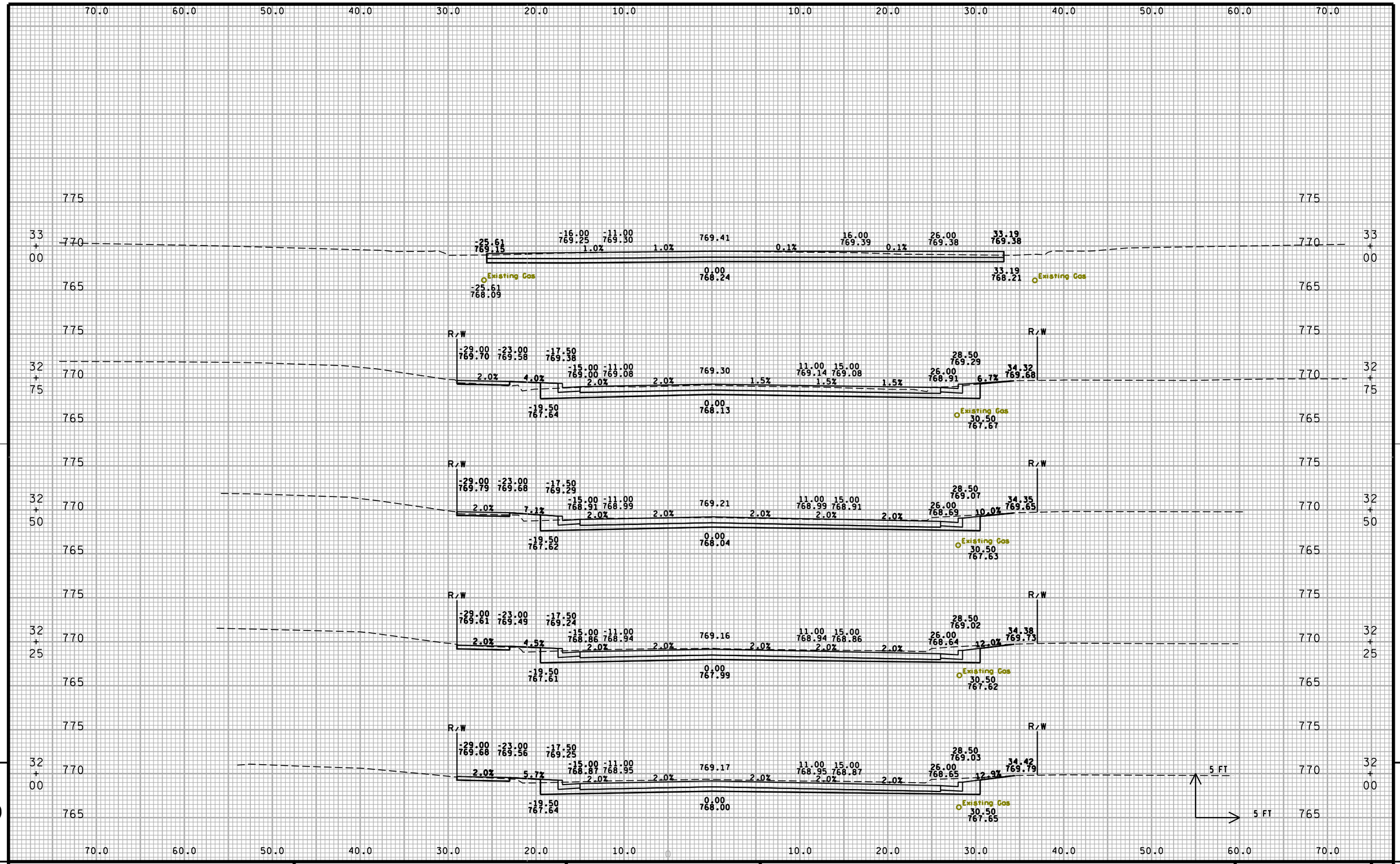
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc016001.dgn 10/30/2012 3:36:08 PM jdolens

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET	E

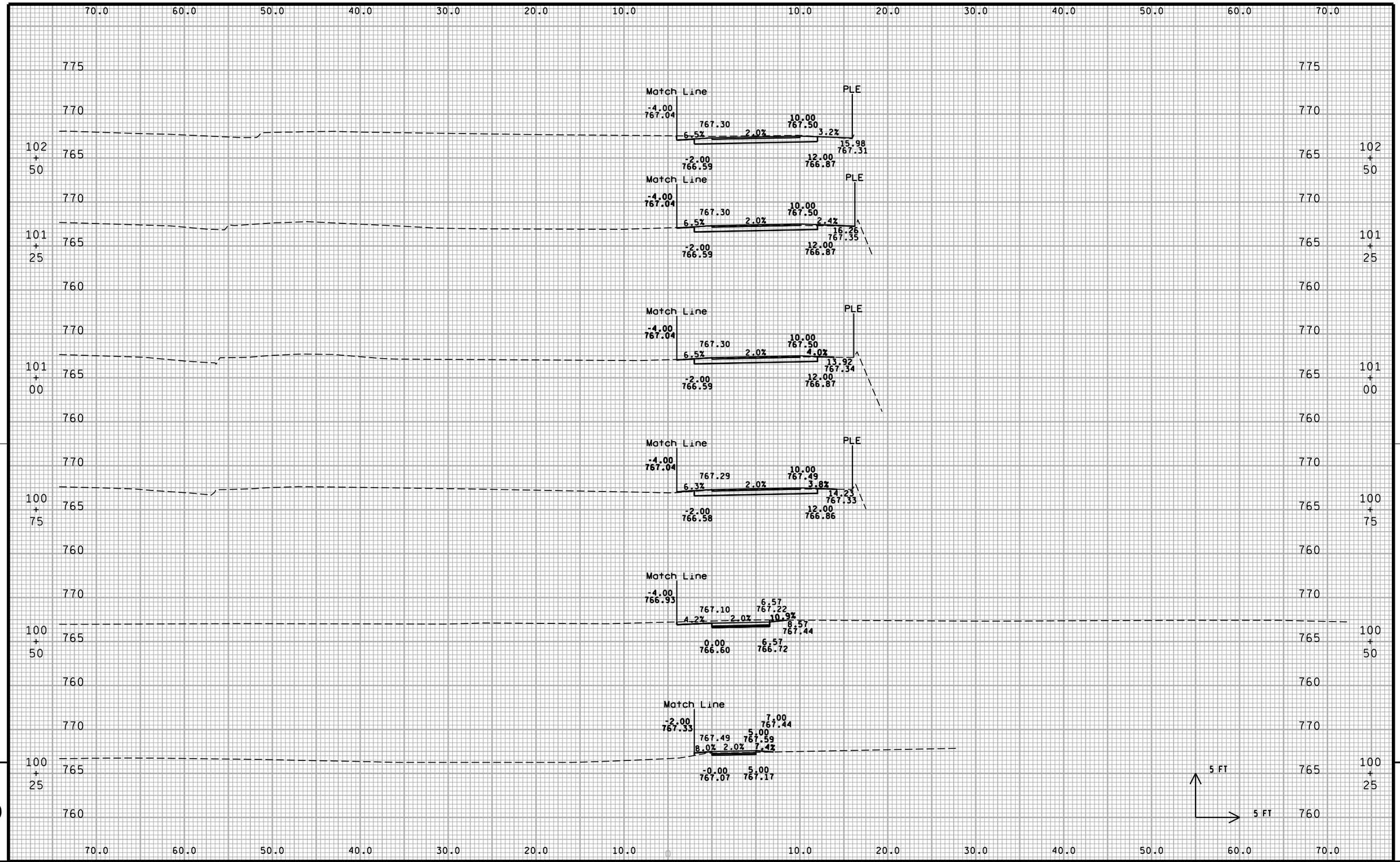
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

rc017001.dgn 10/30/2012 3:36:09 PM jdolens

PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: RIVER STREET	SHEET 214	E

FILE NAME : P:\870s\879\00879014\CADD\Align\rc018001.dgn PLOT DATE : 10/30/2012 PLOT BY : jdolens PLOT NAME : PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21

rc018001.dgn 10/30/2012 3:36:10 PM jdolens



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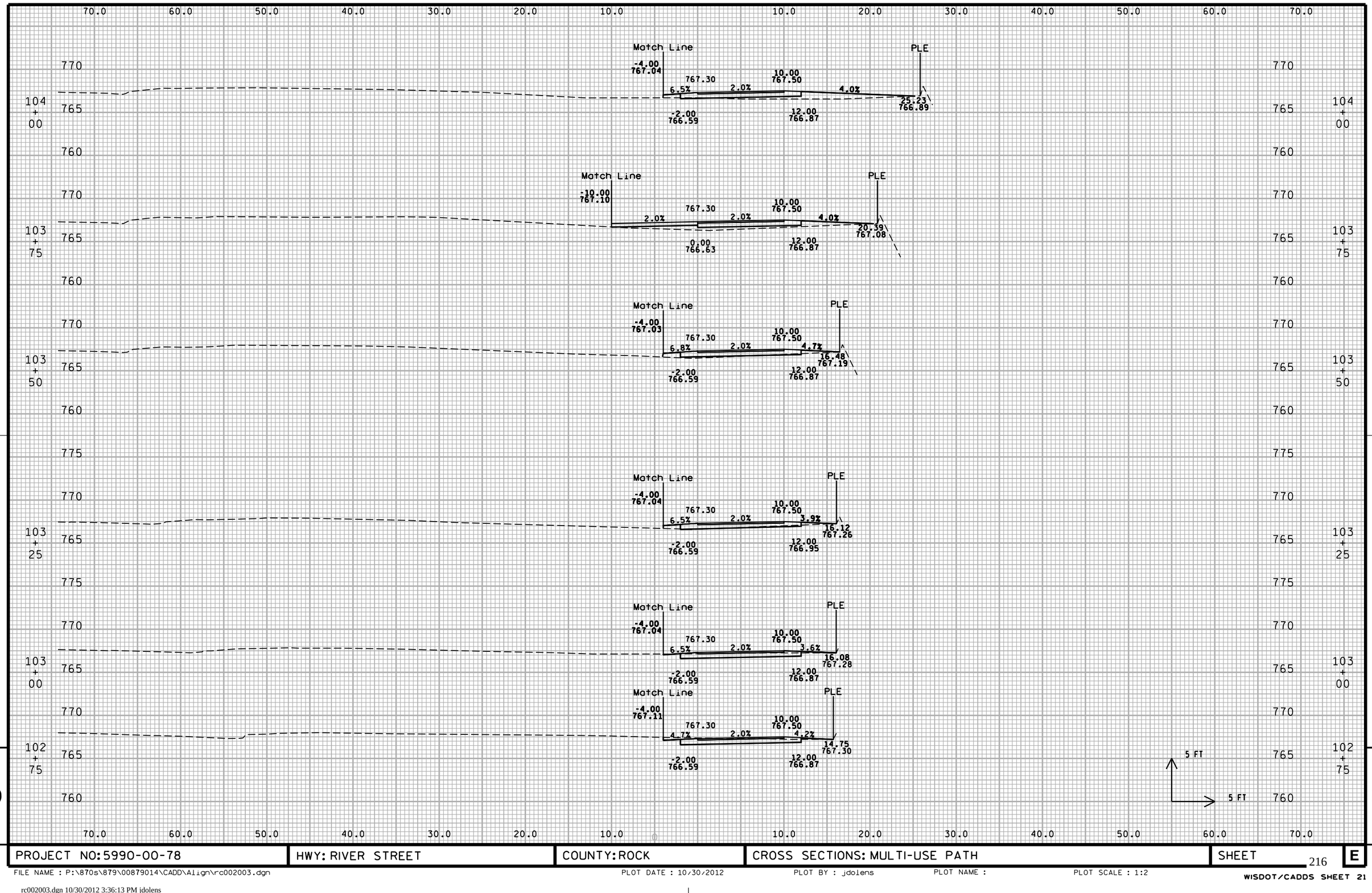
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: MULTI-USE PATH	SHEET	E

FILE NAME : P:\870s\879\00879014\CADD\Align\rc001003.dgn PLOT DATE : 10/30/2012 PLOT BY : jdolens PLOT NAME : PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21

rc001003.dgn 10/30/2012 3:36:12 PM jdolens



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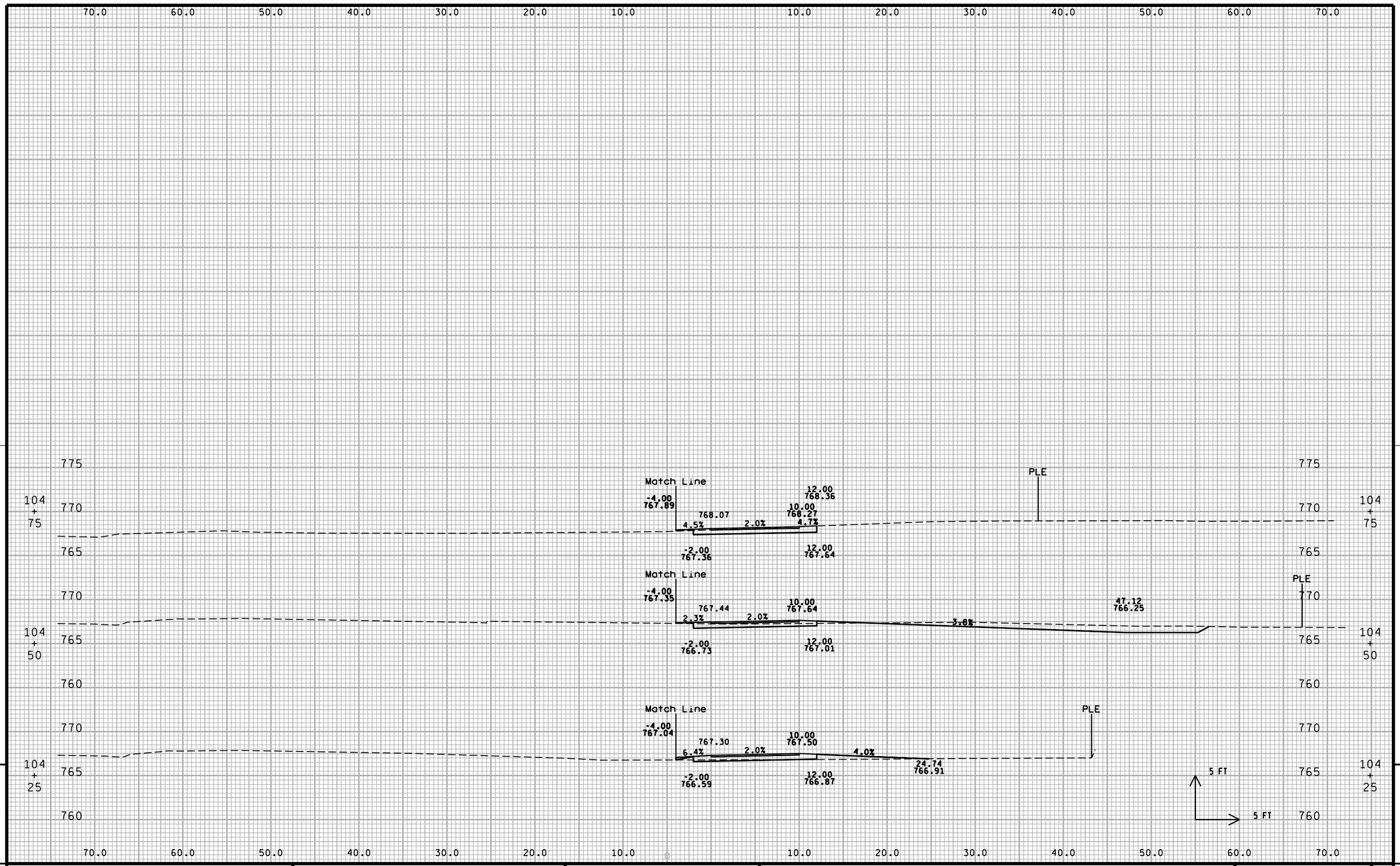
PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: MULTI-USE PATH	SHEET	E

FILE NAME : P:\870s\879\00879014\CADD\Align\rc002003.dgn PLOT DATE : 10/30/2012 PLOT BY : jdolens PLOT NAME : PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21

rc002003.dgn 10/30/2012 3:36:13 PM jdolens



PROJECT NO: 5990-00-78	HWY: RIVER STREET	COUNTY: ROCK	CROSS SECTIONS: MULTI-USE PATH	SHEET 217	E

FILE NAME : P:\870s\879\00879014\CADD\Align\rc003003.dgn PLOT DATE : 10/30/2012 PLOT BY : jdolens PLOT NAME : PLOT SCALE : 1:2

WISDOT/CADDS SHEET 21

rc003003.dgn 10/30/2012 3:36:15 PM jdolens

Wisconsin Department of Transportation

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