MAD

MARCH 2019

PROJECT ID: 5990-00-38

WITH: N/A

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	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 300



N

12

DESIGN DESIGNATION

A.A.D.T.	(2019)	=	1,200
A.A.D.T.	(2039)	=	1,900
D.H.V.		=	226
D.D.		=	59/41
T.		=	3.3%
DESIGN SPEED		=	40 MPH
ESALS		=	130,000

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 (300 EB')
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF JANESVILLE, RUGER AVENUE

(WRIGHT ROAD TO USH 14)

CTH MM

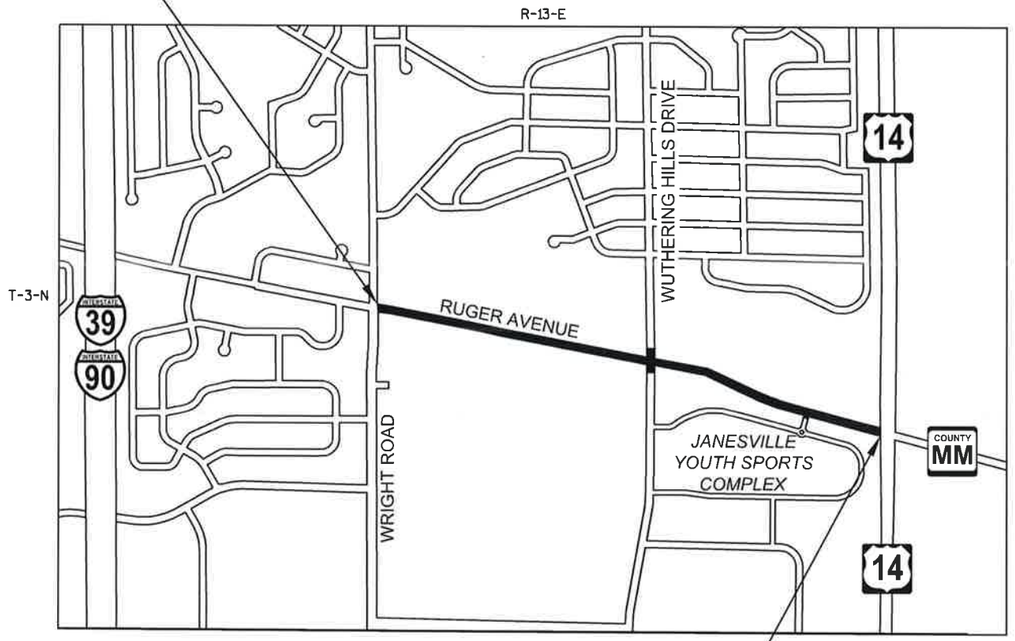
ROCK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5990-00-38	WISC 2019156	1

STATE PROJECT NUMBER

5990-00-38

BEGIN PROJECT 5990-00-38
STA. 7+82.01
Y = 269,339.43
X = 506,642.32



END PROJECT 5990-00-38
STA. 62+01.94

LAYOUT

SCALE 0 1,000 FT.

TOTAL NET LENGTH OF CENTERLINE = 1.026 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, ROCK COUNTY, NAD'83 (2012), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR

CITY OF JANESVILLE

Date 10-3-18 Paul D. Woodard (Director of Public Works)

ACCEPTED FOR

ROCK COUNTY

Date 10-3-18 (Highway Commissioner)

ORIGINAL PLANS PREPARED BY

MSA

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

WISCONSIN JAIME L KURTEN-CHMIELEWSKI E-42403 MADISON WI PROFESSIONAL ENGINEER

DATE: 10-3-18 Jaime Kurten (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	COMBS & ASSOCIATES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Management Consultant	KL ENGINEERING

APPROVED FOR THE DEPARTMENT

DATE: 10/30/18 (Department Consultant Signature)

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 8/29/2018 8:58 AM PLOT BY : JASON DOLENS PLOT NAME :

GENERAL NOTES

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.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD'88 (2011).

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.

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

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.

PROOF ROLLING OF SUBGRADE IS REQUIRED BEFORE PLACEMENT OF BASE COURSE AND IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

THE LIMITS OF SIDEWALK REPLACEMENT SHOULD BE TO THE NEAREST JOINT AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

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

EXPANSION JOINTS ARE TO BE PLACED AT EVERY COMMON PROPERTY LINE AND PER STANDARD WISDOT SPACING FOR ALL CONCRETE SIDEWALK. LOCATING PROPERTY CORNERS FOR EXPANSION JOINT LOCATION SHALL BE PAID FOR AS PART OF BID ITEM 'LOCATE AND REFERENCE PROPERTY CORNERS'.

REINFORCEMENT IS REQUIRED IN THE CONCRETE SIDEWALK AND CONCRETE CURB & GUTTER AT ALL STORM SEWER OUTFALL CROSSINGS (SEE PAVING DETAILS FOR LOCATIONS).
REINFORCEMENT FOR CONCRETE SIDEWALK SHALL CONSIST OF THREE #4 EPOXY COATED REBARS, 15-FEET LONG, CENTERED ON EACH CROSSING.
REINFORCEMENT FOR CONCRETE CURB & GUTTER SHALL CONSIST OF TWO #4 EPOXY COATED REBARS, 15-FEET LONG, CENTERED ON EACH CROSSING.
ALL REINFORCEMENT IS INCIDENTAL TO THE CONCRETE SIDEWALK AND CONCRETE CURB & GUTTER BID ITEMS.

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

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

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

ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, FERTILIZER 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.

PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND RESOLVE ALL CONFLICTS BY VERIFYING THE ULO'S WITH THE ENGINEER.

OFFSETS FOR INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF STRUCTURE. STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURES.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE FLANGE OF THE CASTING. A MINIMUM 6" OF ADJUSTMENT RINGS IS REQUIRED UNLESS OTHERWISE NOTED.

CONCRETE PIPE SHALL HAVE JOINT TIES INSTALLED ON THE LAST TWO PIPE JOINTS AND THE ENDWALL JOINT AT THE DISCHARGE END.

INDEX OF TYPICAL SECTIONS AND DETAIL SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. TYPICAL SECTIONS
4. CONSTRUCTION DETAILS
5. PAVING DETAILS
6. CURB RAMP DETAILS
7. EROSION CONTROL
8. STORM SEWER
9. SANITARY SEWER AND WATERMAIN
10. PLANTING PLAN
11. PERMANENT SIGNING AND PAVEMENT MARKINGS
12. LIGHTING PLAN
13. TRAFFIC CONTROL
14. DETOUR ROUTE
15. ALIGNMENT OVERVIEW
16. CONTROL POINT TIES

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
MEDIAN STRIP TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25 0.32	0.30 0.40
SIDE SLOPE TURF			0.25			0.27			0.28			0.30 0.38
PAVEMENT:	0.40 - 0.60											
ASPHALT:	0.70 - 0.95											
CONCRETE:	0.80 - 0.95											
BRICK:	0.70 - 0.80											
DRIVES, WALKS:	0.75 - 0.85											
ROOFS:	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS	0.40 - 0.60											

TOTAL PROJECT AREA = 15.15 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES - 11.13 ACRES

UTILITIES

**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

STORM SEWER:
CITY OF JANESVILLE
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 755-3163
E-MAIL: CHAPMANK@CI.JANESVILLE.WI.US

SANITARY SEWER & WATERMAIN:
CITY OF JANESVILLE
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 755-3163
E-MAIL: CHAPMANK@CI.JANESVILLE.WI.US

STREET LIGHTING:
CITY OF JANESVILLE
ATTN: MATT GOSLINE
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 751-5220
E-MAIL: goslinem@ci.janesville.wi.us

TELECOMUNNICATIONS:
AT&T WISCONSIN
ATTN: JOSEPH KASSAB
205 S. JEFFERSON STREET
GREEN BAY, WI. 54301
PHONE: (920) 433-4200
E-MAIL: jk572k@att.com

TELECOMUNNICATIONS:
WINDSTREAM
ATTN: KEVIN PARRIS
1858 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 819-5016
E-MAIL: kevin.j.parris@windstream.com

CABLE TELEVISION:
CHARTER COMMUNICATIONS
ATTN: BRANDON OPHEIM
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PHONE: (608) 209-3195
E-MAIL: brandon.opheim@charter.com

GAS AND ELECTRIC:
ALLIANT ENERGY
ATTN: RON ROHM
3730 KENNEDY ROAD
JANESVILLE, WI 53545
PHONE: (608) 757-7514
E-MAIL: ronaldrohm@alliantenergy.com

TELECOMMUNICATIONS:
WIN
ATTN: JIM BIRKENHEIER
4955 BOULLIS FARM ROAD
EAU CLAIRE, WI 54701
PHONE: (715) 832-6041
E-MAIL: jbirkenheier@wins.net

DESIGN CONTACTS

MSA PROFESSIONAL SERVICES
ATTN: JAIME KURTEN
2901 INTERNATIONAL LANE, SUITE 300
MADISON, WI 53704-3133
PHONE: (608) 242-6619
E-MAIL: jkurten@msa-ps.com

ROCK COUNTY:
ATTN: DUANE JORGENSON
3715 NEWVILLE ROAD
JANESVILLE, WI 53545
PHONE: (608) 757-5450
E-MAIL: Duane.Jorgenson@co.rock.wi.us

CITY OF JANESVILLE:
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
P.O BOX 5005
JANESVILLE, WI 53547-5005
PHONE: (608) 755-3164
E-MAIL: chapmank@ci.janesville.wi.us

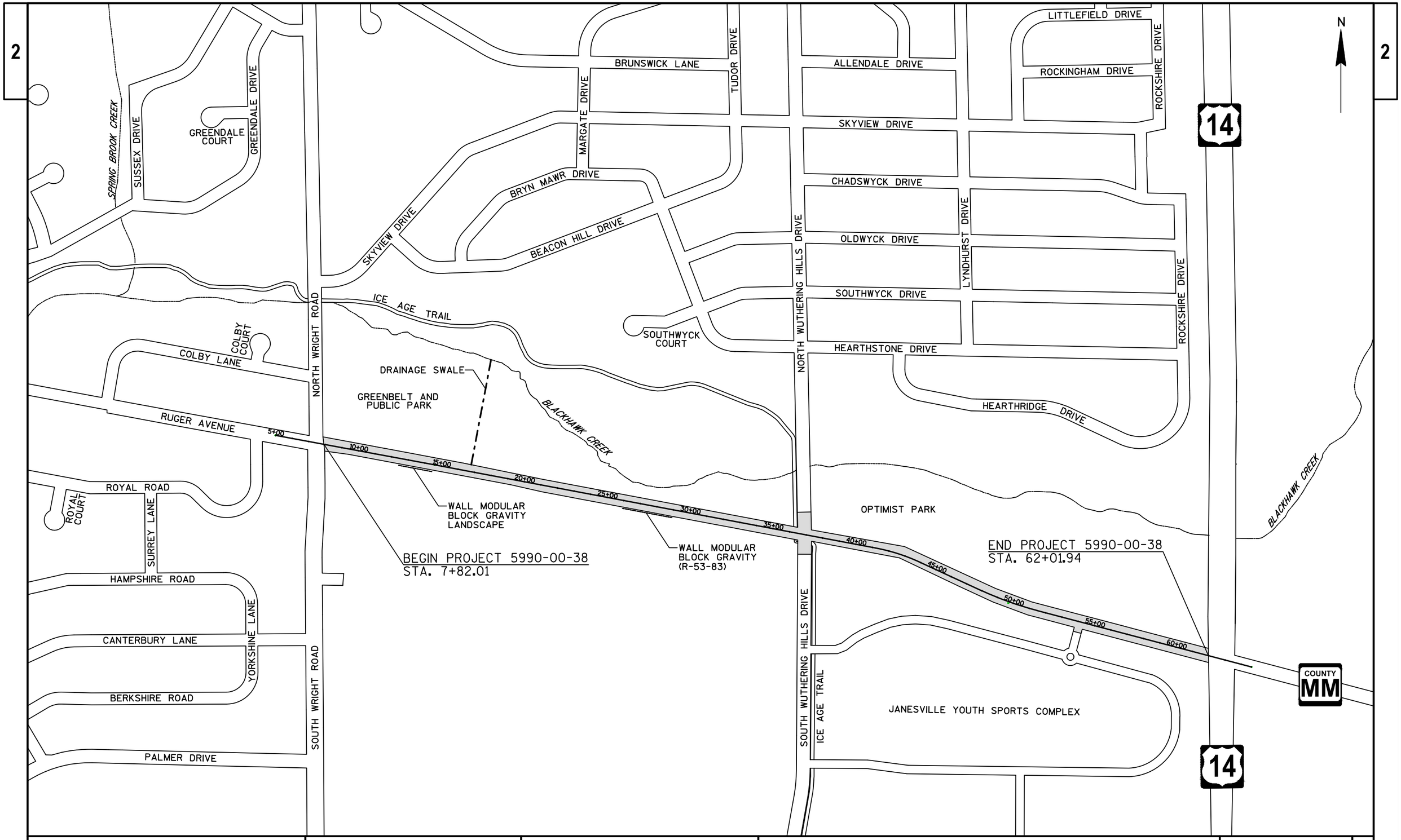
DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: ANDY BARTA
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3308
CELL: (608) 235-2955
EMAIL: andrew.barta@wisconsin.gov

STANDARD ABBREVIATIONS

AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CL or ℄	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DIA	DIAMETER
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
LP	LOW POINT
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
SL	SPECIAL LOGO
SQ	SQUARE
STD	STANDARD
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
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
UD	UNDERDRAIN
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com
WISCONSIN PUBLIC SERVICE EMERGENCY CONTACT NUMBERS:
ELECTRIC 24-HOUR EMERGENCY SERVICE: 1-800-862-6222
GAS 24-HOUR EMERGENCY SERVICE: 1-800-862-6222



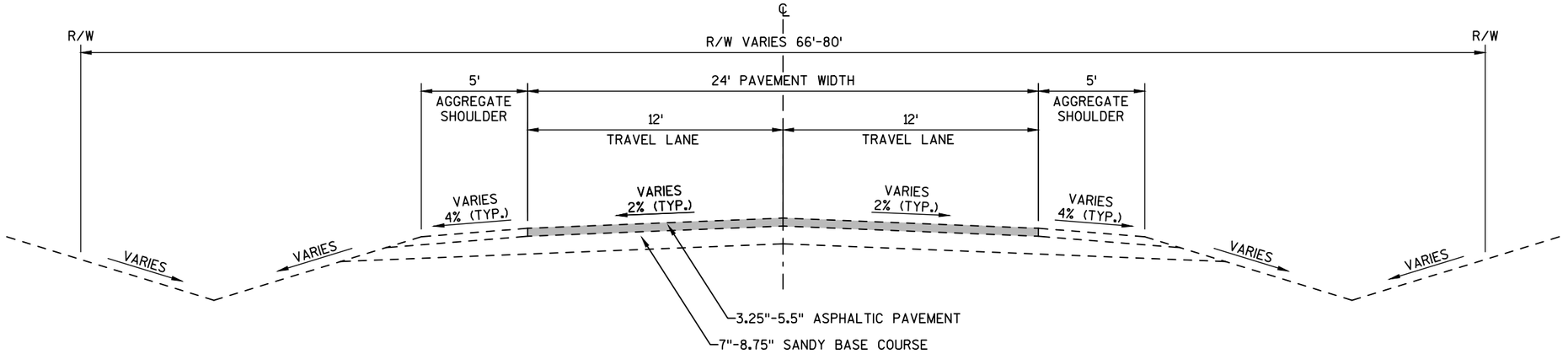
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 8/1/2018 7:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

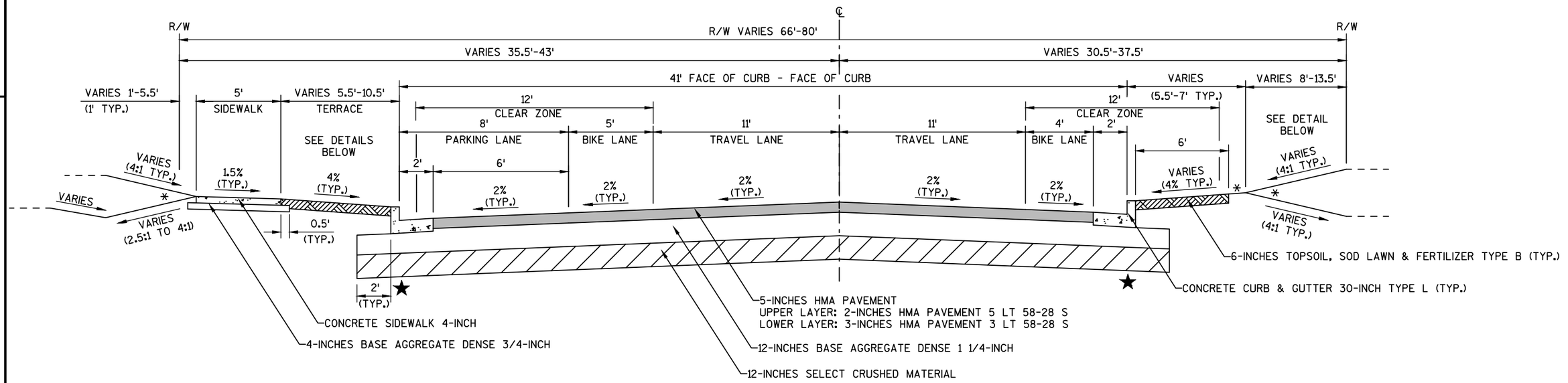
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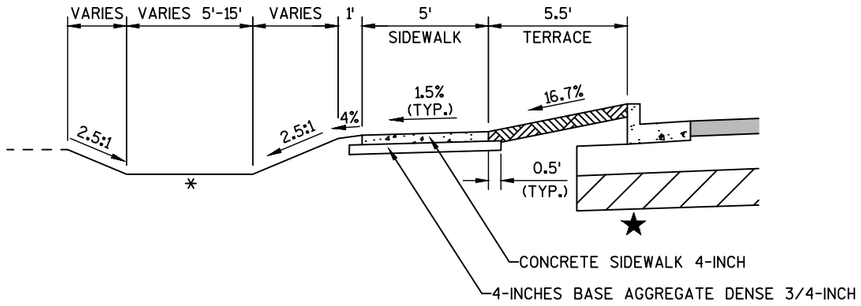


EXISTING TYPICAL SECTION – CTH MM (RUGER AVENUE)

STA. 7+82.00 TO STA. 62+01.94
(WRIGHT ROAD TO USH 14)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 4	E

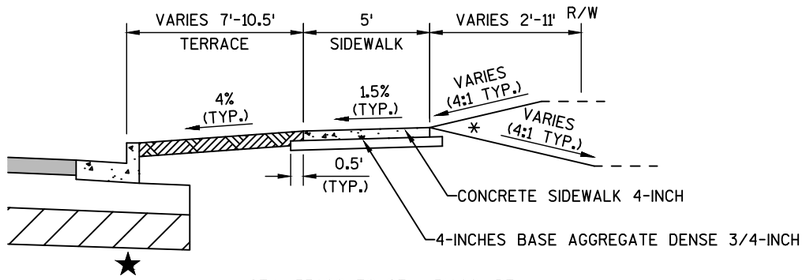




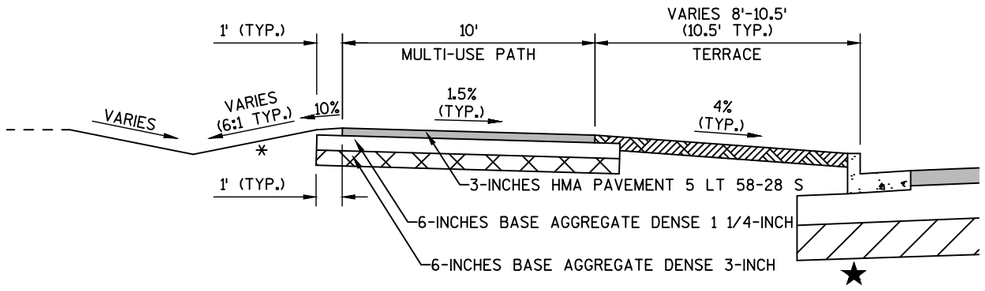
STA. 29+00 TO STA. 35+00, LT.

* DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEED, FERTILIZER TYPE B, & EROSION MAT OR MULCH (SEE EROSION CONTROL PLANS)

★ SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE



STA. 37+00 TO STA. 51+00, RT.

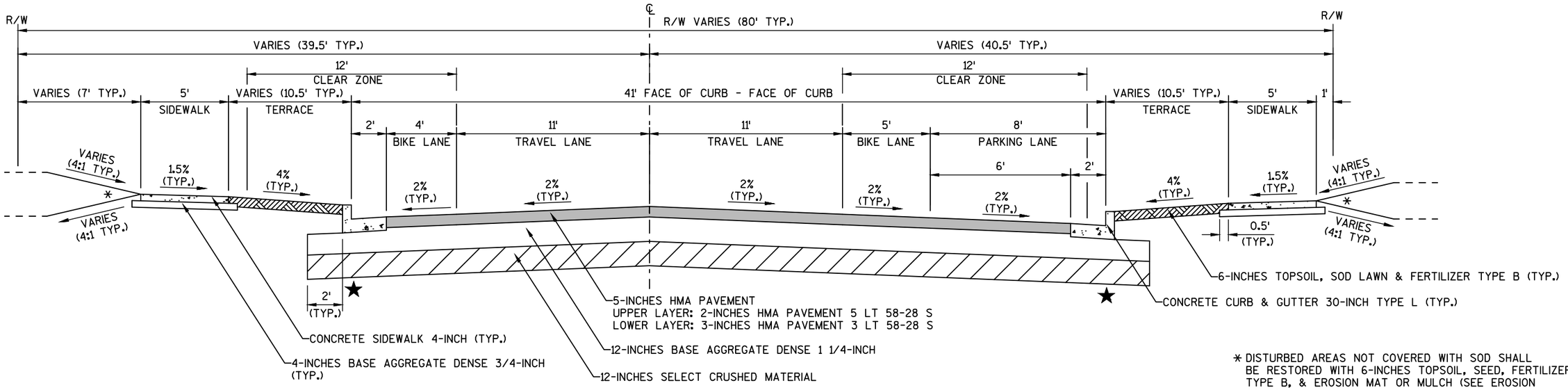


STA. 37+14 TO STA. 42+56, LT.

FINISHED TYPICAL SECTION – CTH MM (RUGER AVENUE)

STA. 7+82.00 TO STA. 51+00
(WRIGHT ROAD TO SPORTS COMPLEX ENTRANCE)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 5	E

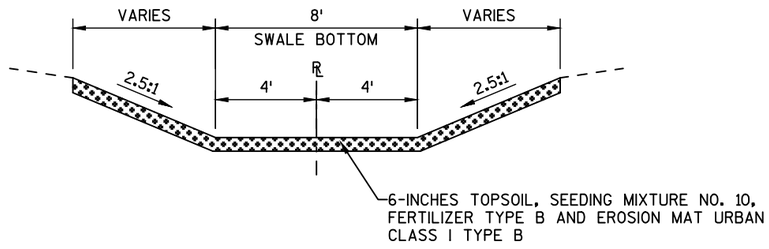


FINISHED TYPICAL SECTION – CTH MM (RUGER AVENUE)

STA. 51+00 TO STA. 62+01.94
(SPORTS COMPLEX ENTRANCE TO USH 14)

* DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEED, FERTILIZER TYPE B, & EROSION MAT OR MULCH (SEE EROSION CONTROL PLANS)

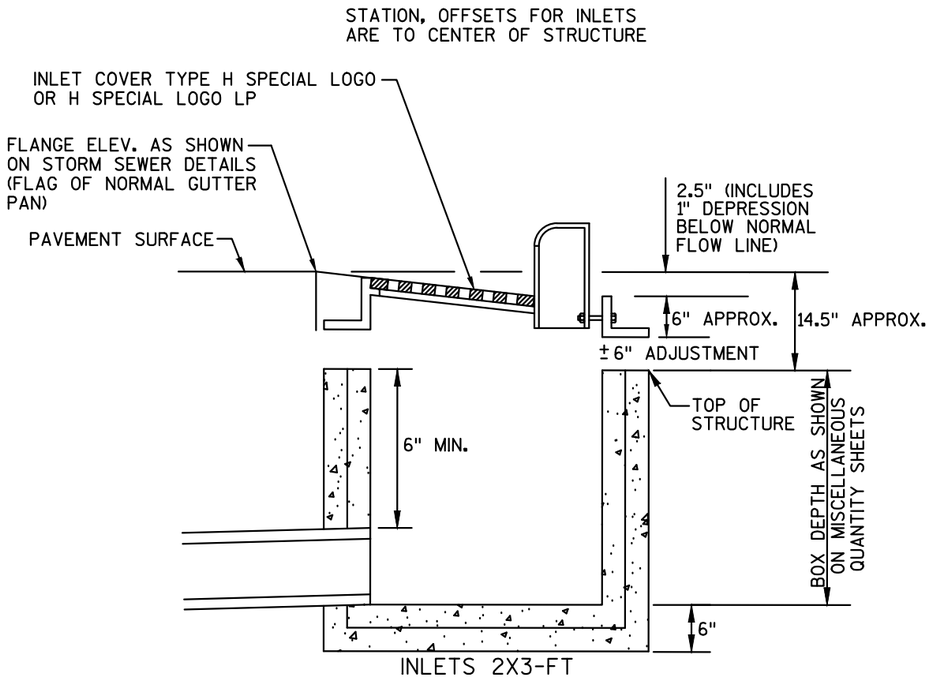
★ SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE



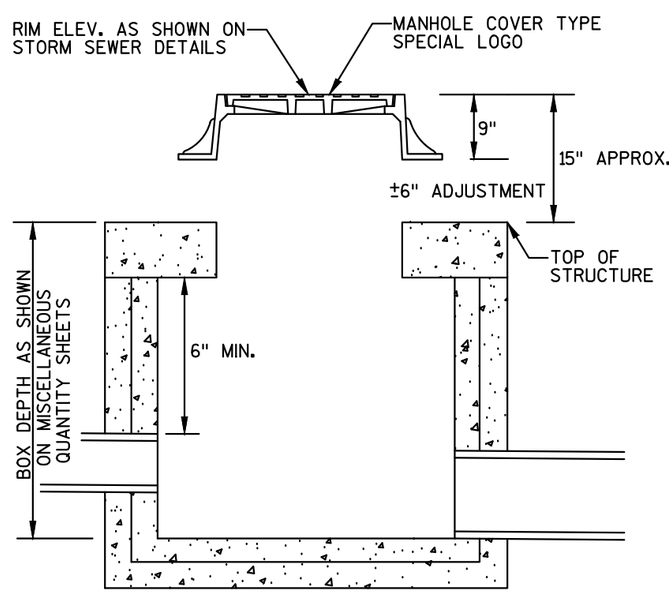
FINISHED TYPICAL SECTION – DRAINAGE SWALE

STA. 200+94.50 TO STA. 206+12.45

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 6	E

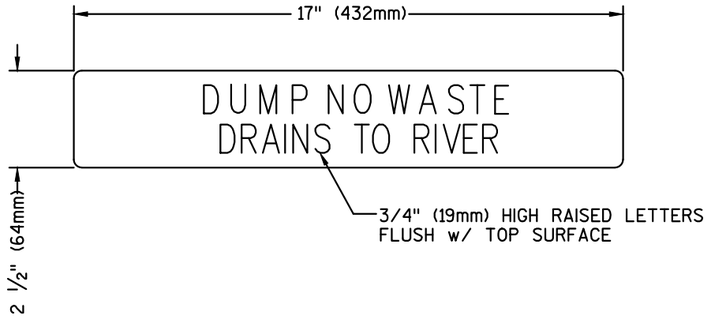


DETAIL FOR COMPUTING INLET ELEVATIONS
SCALE: NONE

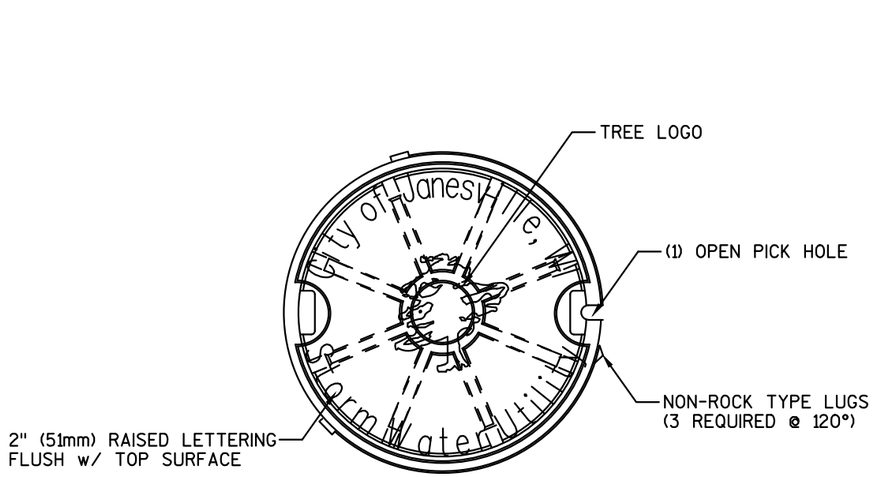


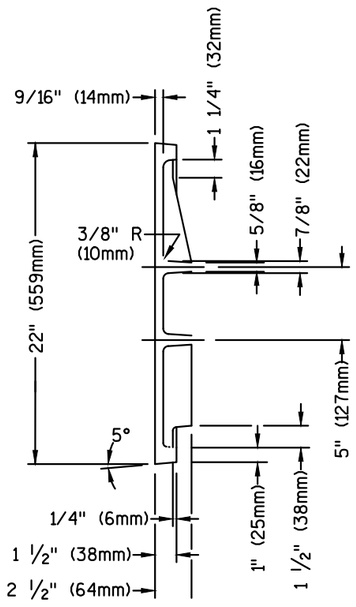
DETAIL FOR COMPUTING MANHOLE ELEVATIONS
SCALE: NONE

2



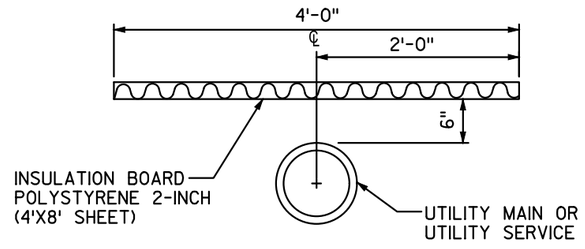
INLET COVER TYPE H SPECIAL LOGO (SL) DETAIL
SCALE: NONE





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

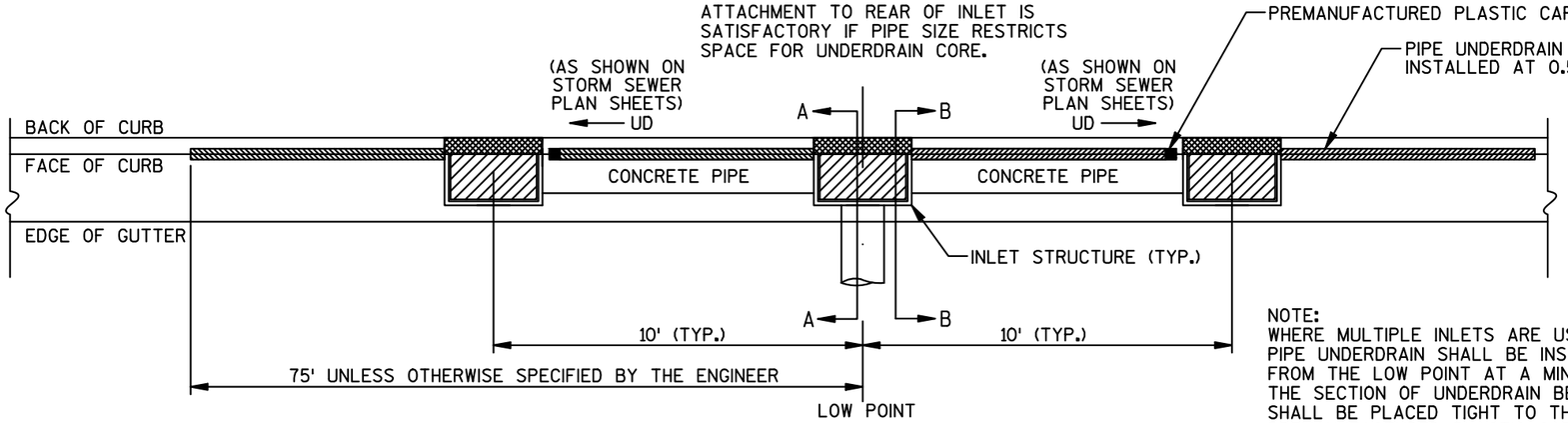
MANOLE COVER TYPE SPECIAL LOGO (SL) DETAIL
SCALE: NONE



PIPE INSULATION DETAIL
SCALE: NONE

2

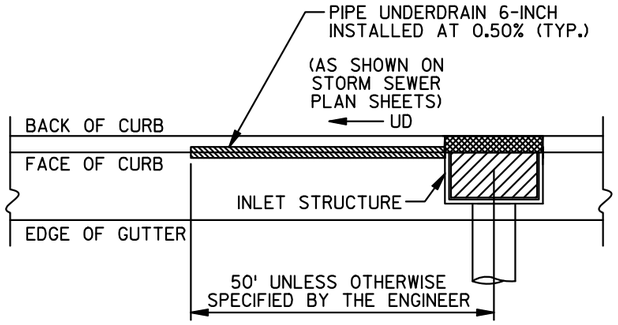
NOTE:
ATTACHMENT TO REAR OF INLET IS SATISFACTORY IF PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.



PLAN VIEW

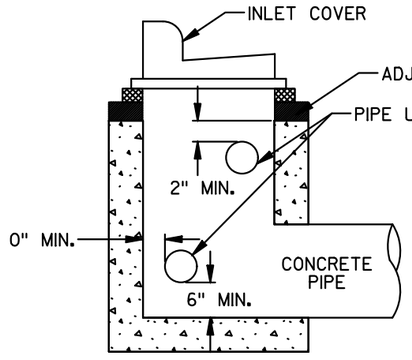
(TRIPLE INLET CONFIGURATION WITH UNDERDRAIN SHOWN)

NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PERFORATED PIPE UNDERDRAIN SHALL BE INSTALLED 75-FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.50%. THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER INLET.



PLAN VIEW

(TYPICAL ON-GRADE INLET CONFIGURATION WITH UNDERDRAIN)

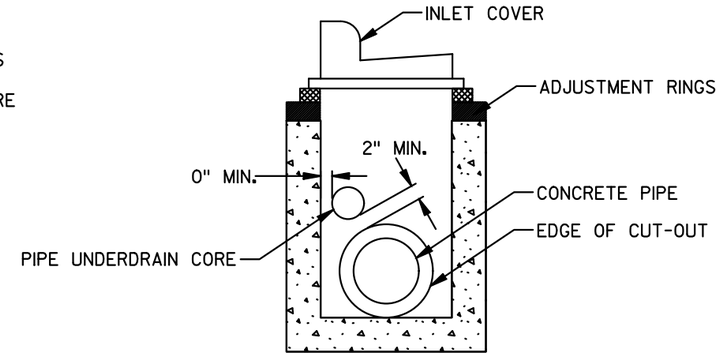


NOTES:

1. BOTTOM OF CORE SHALL BE PLACED A MINIMUM OF 6" ABOVE THE FLOOR OF THE INLET.
2. TOP OF CORE HOLES SHALL BE A MINIMUM OF 2" BELOW THE TOP OF INLET STRUCTURE (BOTTOM OF ADJUSTMENT RINGS).
3. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

SECTION A-A

(TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY)

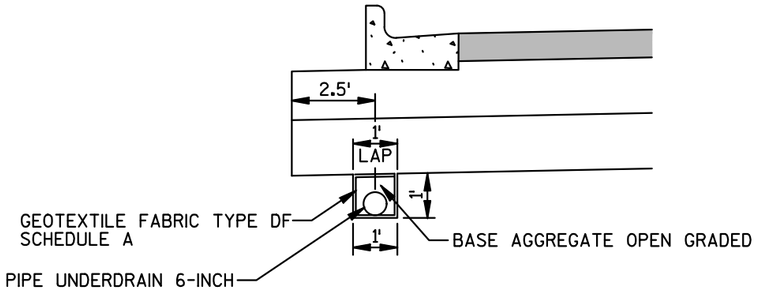


NOTES:

1. CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE..
2. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

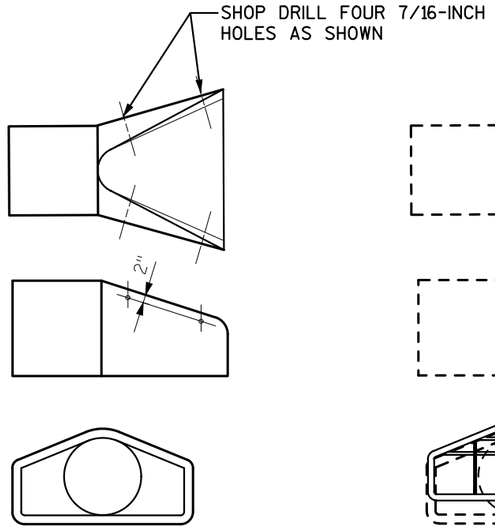
SECTION B-B

(TYPICAL INLET WITH UNDERDRAIN CORED INTO WALL WITH PIPE)

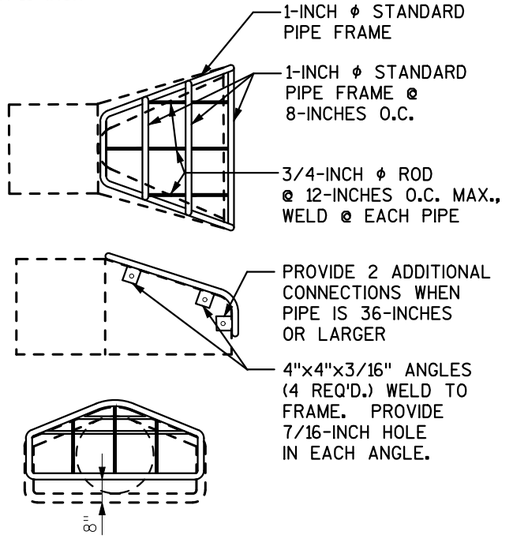


TYPICAL SECTION

PIPE UNDERDRAIN CONNECTION DETAIL
SCALE: NONE



REINFORCED CONCRETE APRON ENDWALL



PIPE GRATE

GENERAL NOTES:

1. THE CONTRACTOR SHALL BOLT THE PIPE GRATE TO THE ENDWALL WITH FOUR 3/8-INCH x 6-INCH STAINLESS STEEL ZINC COATED MACHINE BOLTS WITH NUTS ON INSIDE WALL.
2. PAINTING SPECIFICATIONS

   THE PIPE GRATE SHALL RECEIVE THE FOLLOWING PREPARATION AND PAINTING.

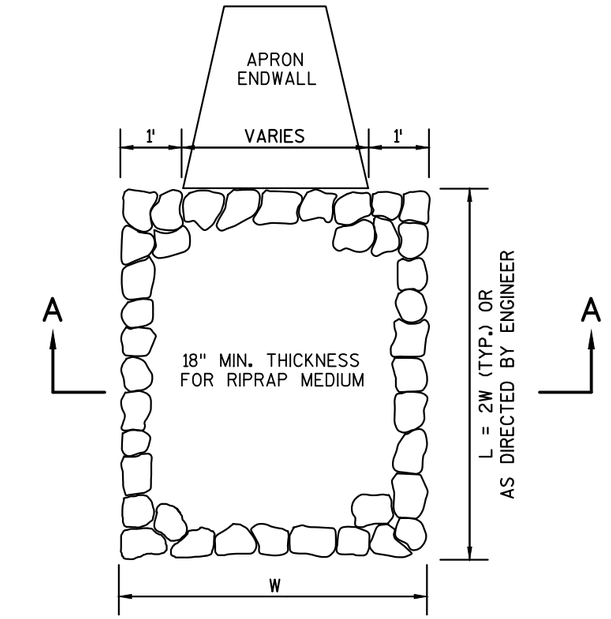
   PREPARATION:

   BARE SURFACES BY THOROUGH SCRAPING, WIRE BRUSHING AND CLEANING.

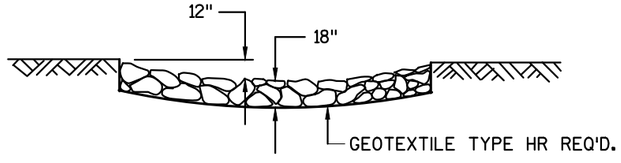
   APPLY A THREE COAT SYSTEM AS RECOMMENDED BY THE MANUFACTURER.

   ALLOW 24 - 48 HOURS DRYING TIME BETWEEN COATS.

PIPE GRATE DETAIL
SCALE: NONE



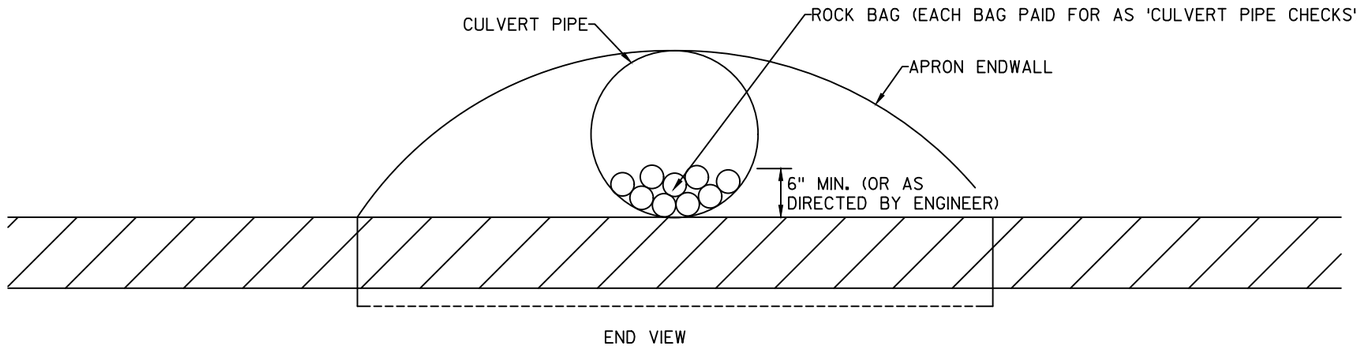
PLAN VIEW



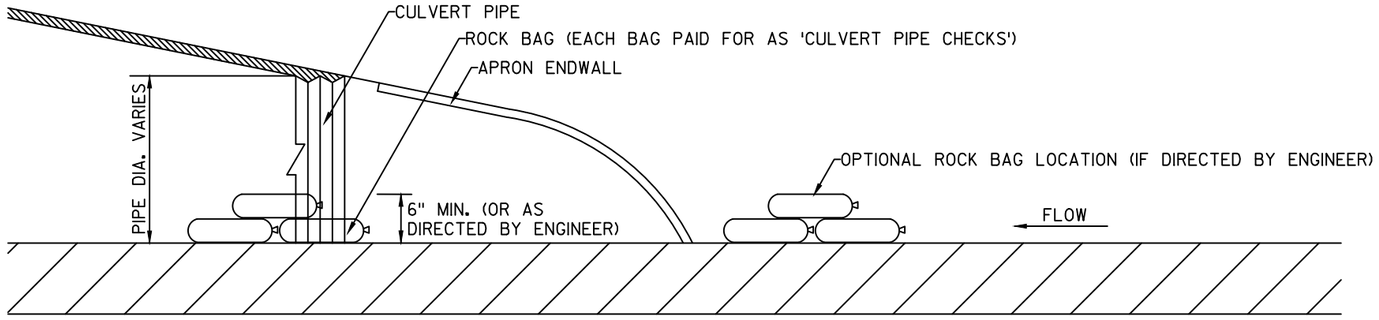
SECTION A-A

RIPRAP MEDIUM TREATMENT AT APRON ENDWALLS DETAIL
SCALE: NONE

2



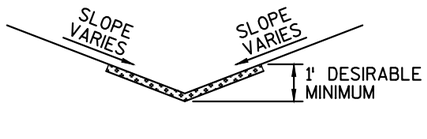
END VIEW



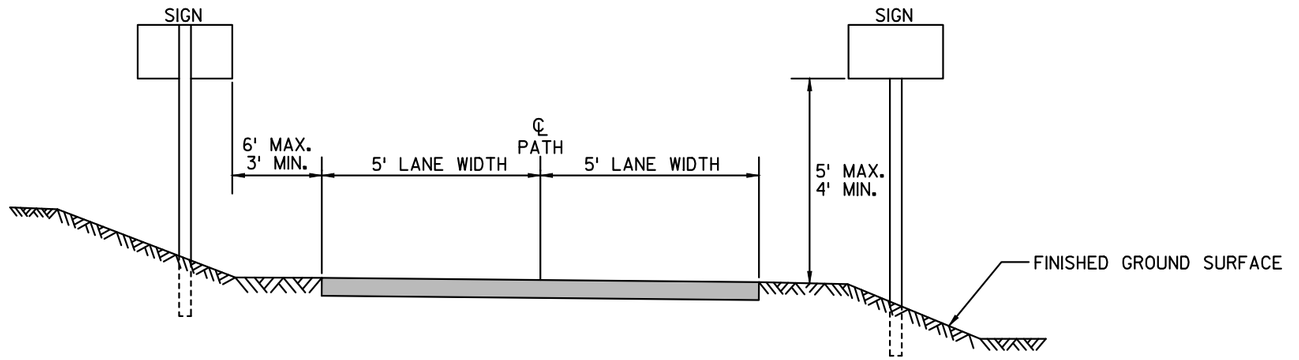
SIDE VIEW

ESTIMATED BAG SIZE = 24" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
12"	2
15"	2
18"	2
24"	3
30"	5
29"X45"	10
48"	10
54"	10
60"	13

CULVERT PIPE CHECKS DETAIL
SCALE: NONE



EROSION MAT DETAIL FOR DITCHES
SCALE: NONE

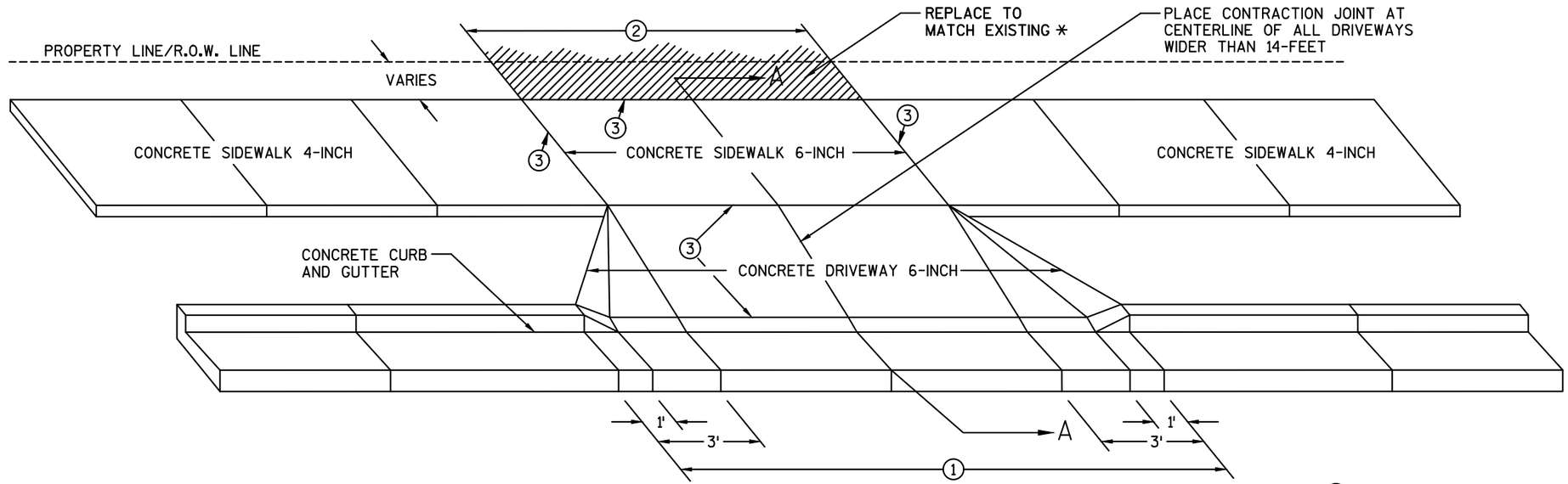


SIGN PLACEMENT ON BIKE PATH DETAIL
SCALE: NONE

2

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 12	E

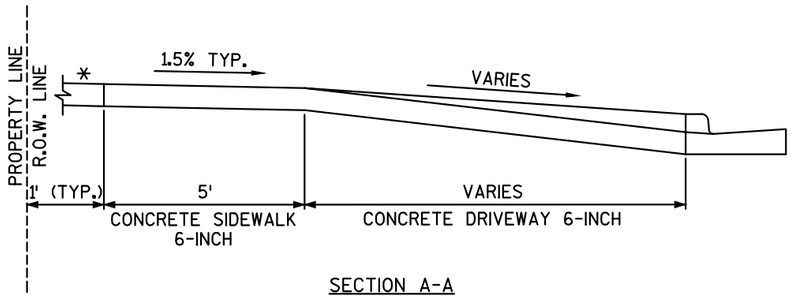
FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021007-cd
PLOT DATE : 9/27/2018 10:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



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. ½-INCH EXPANSION JOINT MATERIAL

* NOTES FOR REPLACING DRIVEWAYS:

1. ASPHALT: 2-INCHES ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
2. CONCRETE: CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
3. AGGREGATE: 2-INCHES BASE AGGREGATE DENSE 3/4-INCH

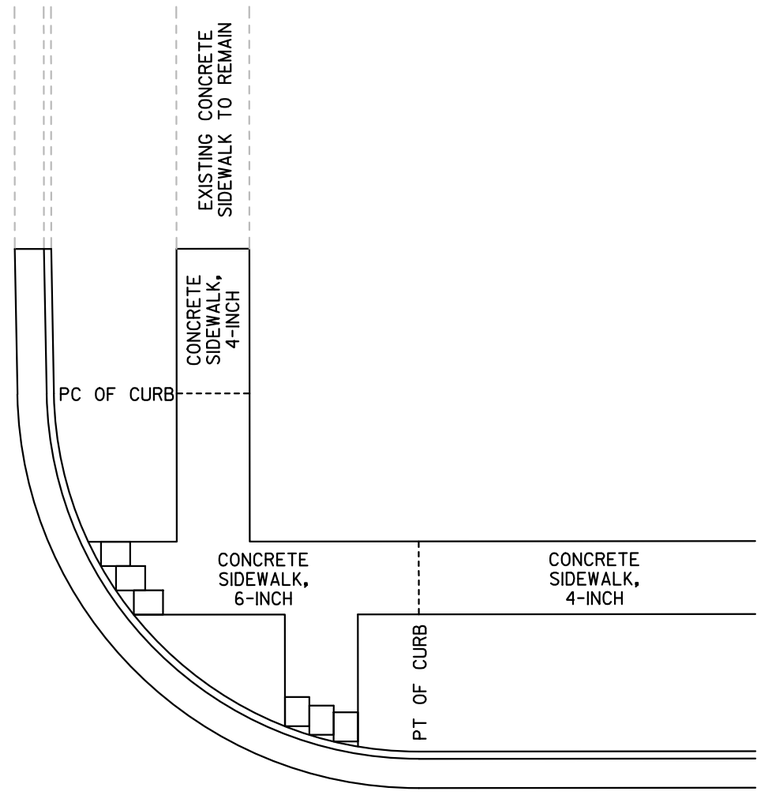


SECTION A-A

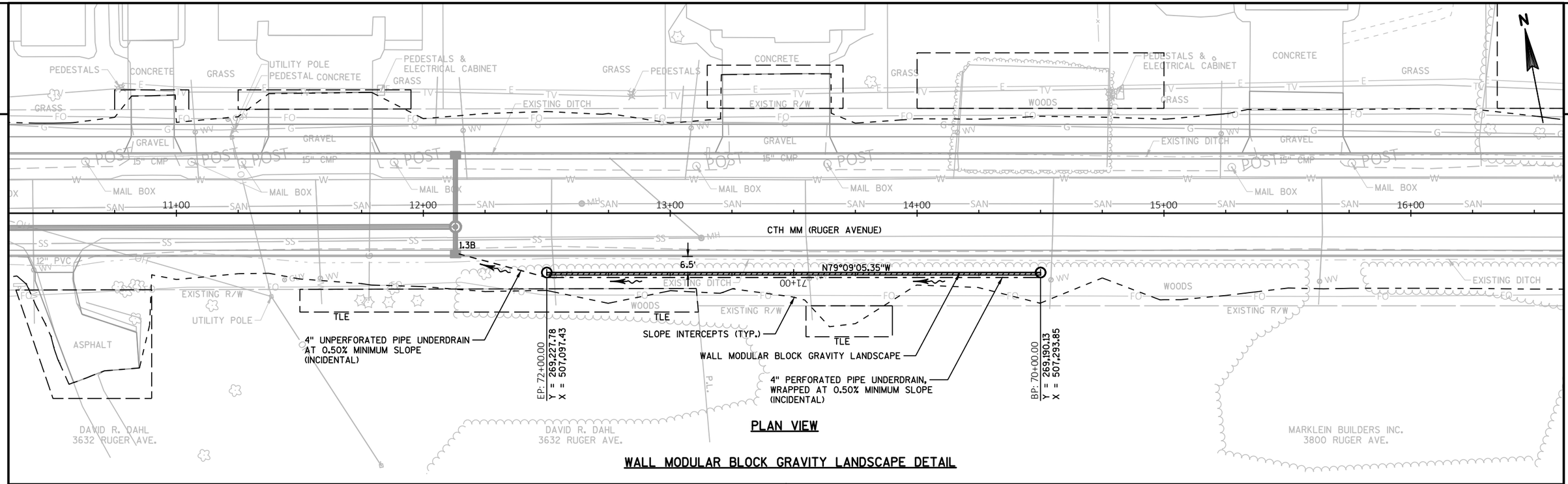
DRIVEWAY APPROACH DETAIL
SCALE: NONE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 13	E

2

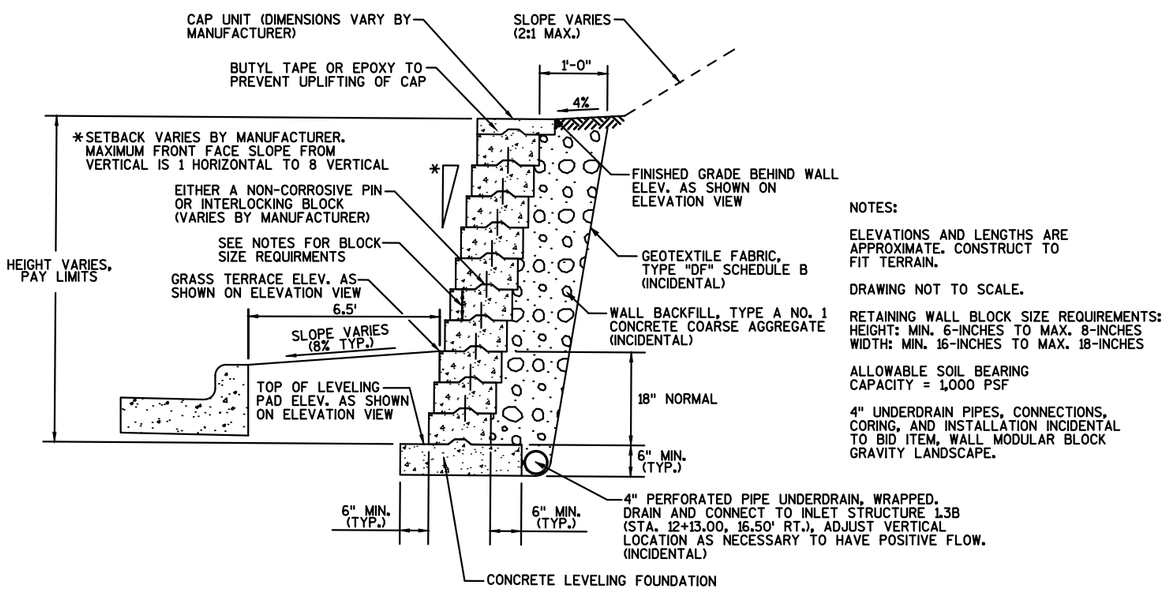


CONCRETE SIDEWALK, 6-INCH PAY LIMITS DETAIL
SCALE: NONE



PLAN VIEW

WALL MODULAR BLOCK GRAVITY LANDSCAPE DETAIL



NOTES:

ELEVATIONS AND LENGTHS ARE APPROXIMATE. CONSTRUCT TO FIT TERRAIN.

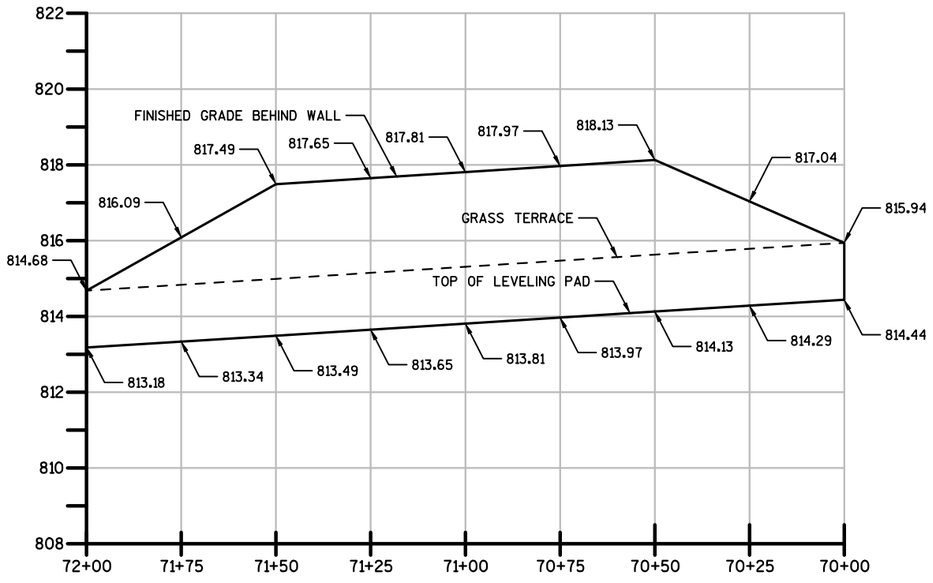
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK SIZE REQUIREMENTS: HEIGHT: MIN. 6-INCHES TO MAX. 8-INCHES WIDTH: MIN. 16-INCHES TO MAX. 18-INCHES

ALLOWABLE SOIL BEARING CAPACITY = 1,000 PSF

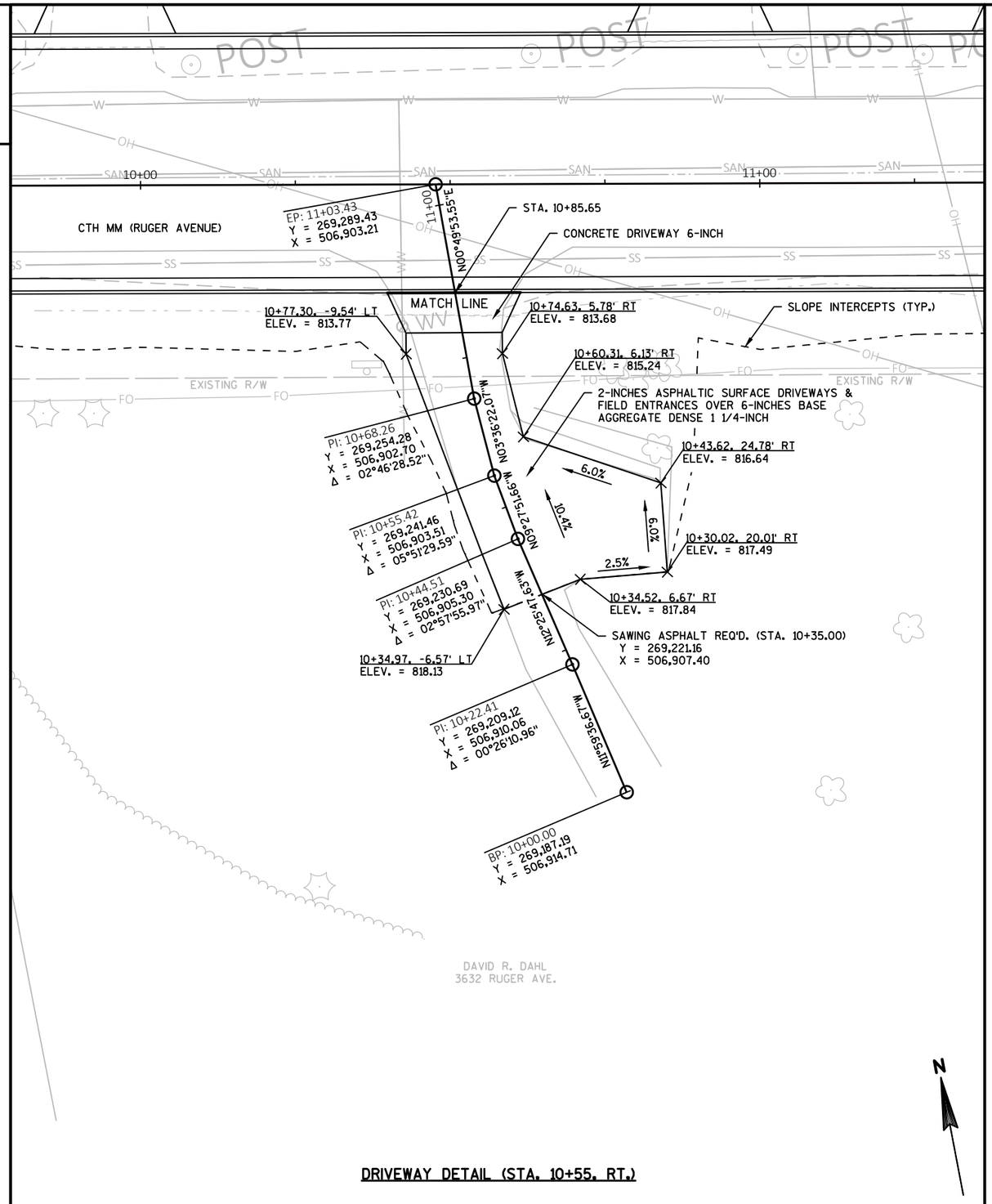
4" UNDERDRAIN PIPES, CONNECTIONS, CORING, AND INSTALLATION INCIDENTAL TO BID ITEM, WALL MODULAR BLOCK GRAVITY LANDSCAPE.

TYPICAL SECTION DETAIL

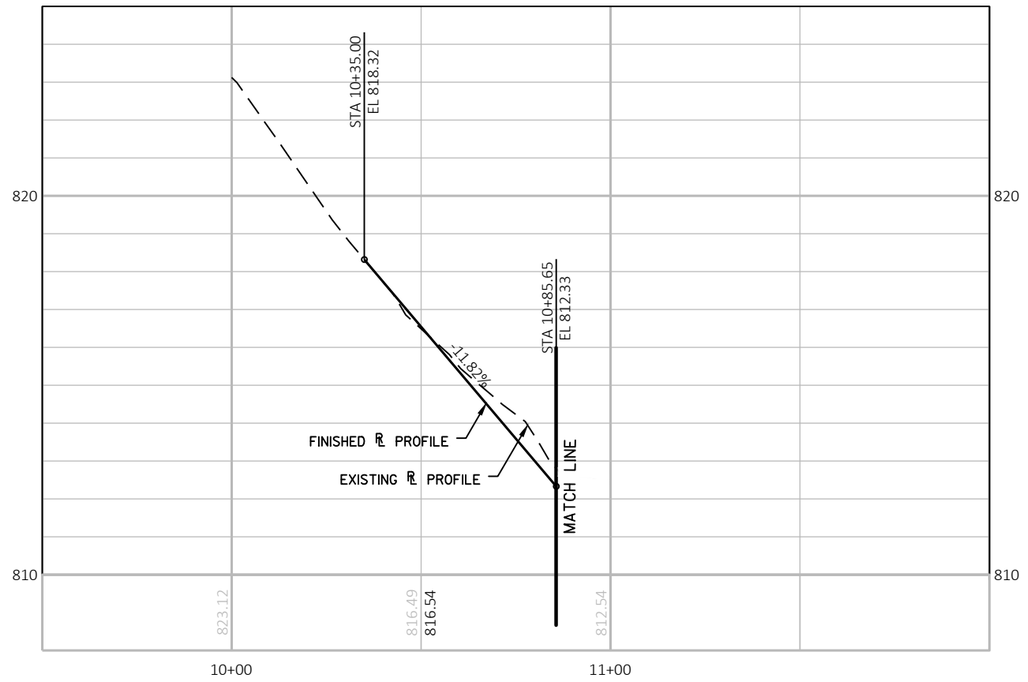


ELEVATION VIEW

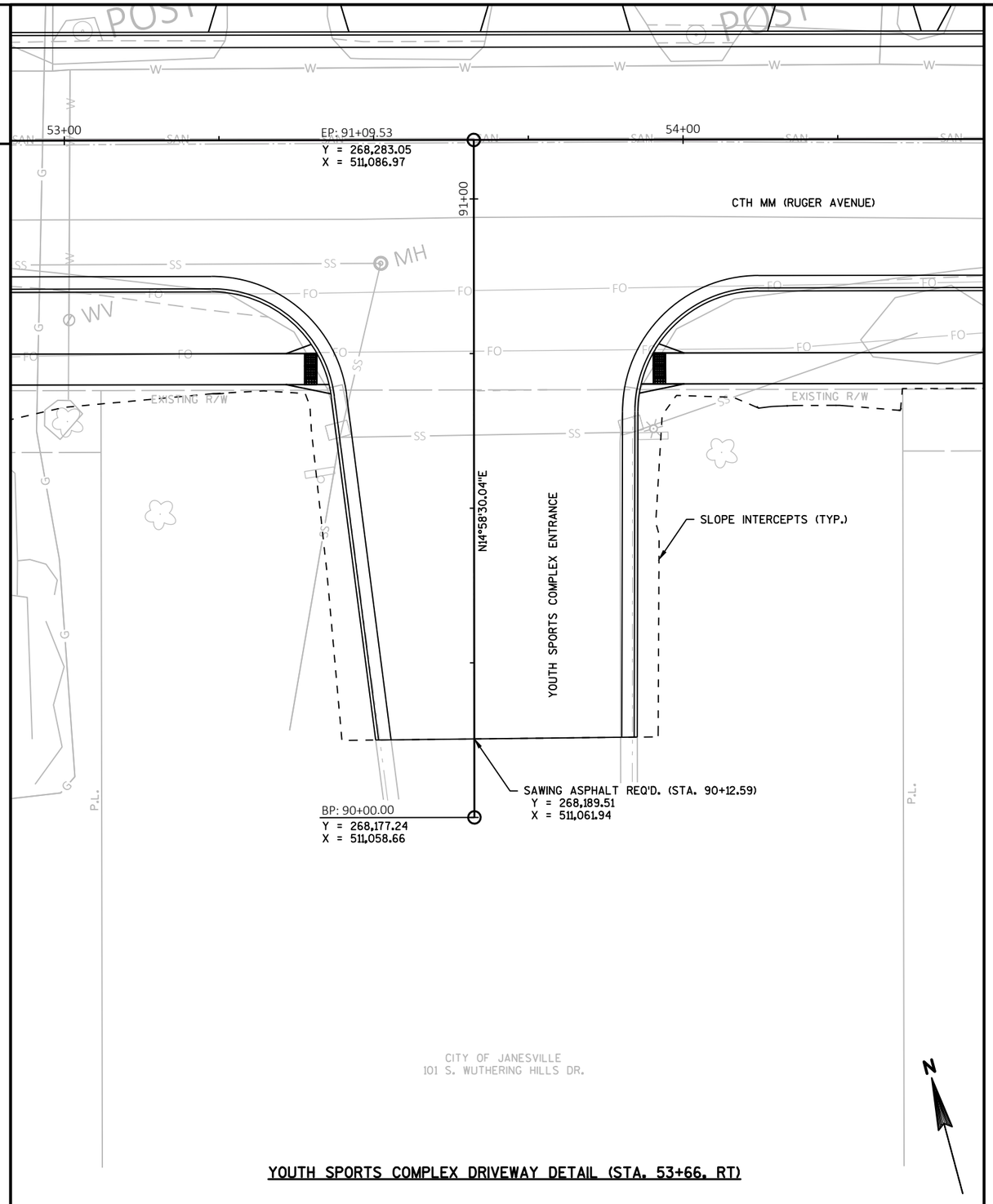
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 15	E

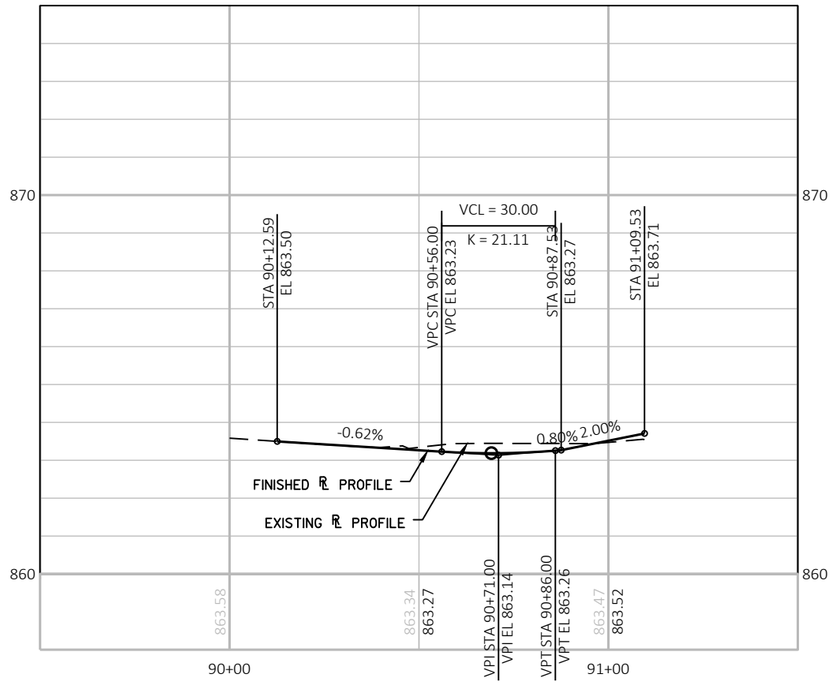


DRIVEWAY DETAIL (STA. 10+55, RT.)



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONSTRUCTION DETAILS: DRIVEWAY STATION 10+55, RT.	SHEET 16	E





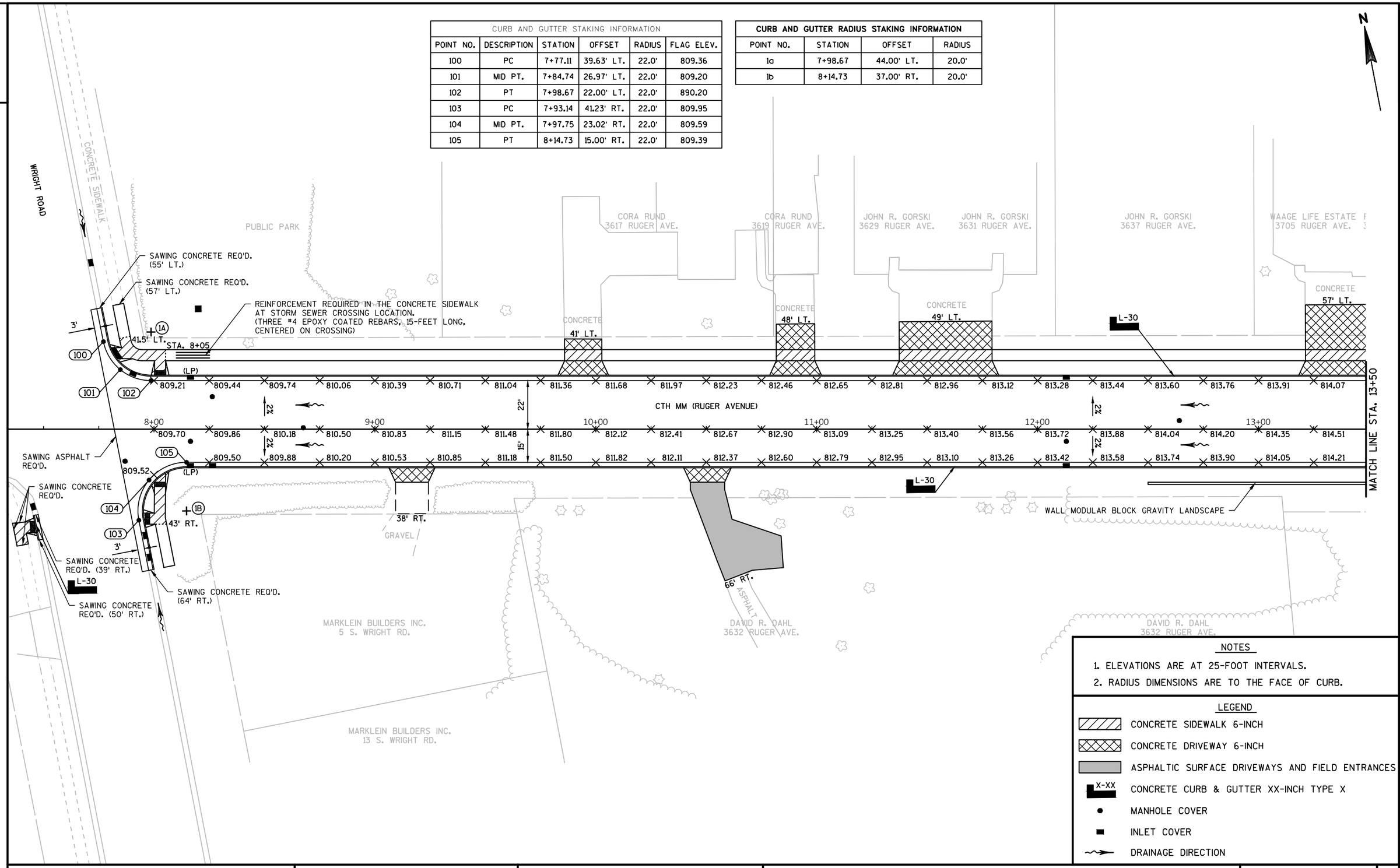
YOUTH SPORTS COMPLEX DRIVEWAY DETAIL (STA. 53+66, RT)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONSTRUCTION DETAILS: YOUTH SPORTS COMPLEX ENTRANCE	SHEET 17	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\DESIGN\DRIVEWAY DETAIL SHEETS.DWG
LAYOUT NAME - 021010-cd
PLOT DATE : 8/22/2018 4:56 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
100	PC	7+77.11	39.63' LT.	22.0'	809.36
101	MID PT.	7+84.74	26.97' LT.	22.0'	809.20
102	PT	7+98.67	22.00' LT.	22.0'	890.20
103	PC	7+93.14	41.23' RT.	22.0'	809.95
104	MID PT.	7+97.75	23.02' RT.	22.0'	809.59
105	PT	8+14.73	15.00' RT.	22.0'	809.39

CURB AND GUTTER RADIUS STAKING INFORMATION			
POINT NO.	STATION	OFFSET	RADIUS
1a	7+98.67	44.00' LT.	20.0'
1b	8+14.73	37.00' RT.	20.0'



NOTES

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

LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 18	E

2

ETER J. SKELLY
707 RUGER AVE.

PETER J. SKELLY
3713 RUGER AVE.

MARKLEIN BUILDERS INC.
3725 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

CONCRETE
57' LT.

CONCRETE
49' LT.

STA. 16+58.24, 36.00' LT.
(BEND PT.)

REINFORCEMENT REQUIRED IN THE CONCRETE SIDEWALK
AT STORM SEWER OUTFALL LOCATION.
(THREE #4 EPOXY COATED REBARS, 15-FEET LONG,
CENTERED ON CROSSING)

STA. 17+13.06, 34.50' LT.
(BEND PT.)

GRAVEL
44' LT.

L-30

(HP)
815.56

(LP)

MATCH LINE STA. 13+50

814.23 814.33 814.44 814.59 814.75 814.91 815.10 815.23 815.36 815.48 815.55 815.50 815.39 815.27 815.21 815.21 815.34 815.47 815.61 815.87 816.14 816.42 816.69 816.96

2.5% 22' 2%

CTH MM (RUGER AVENUE)

14+00 15+00 (HP) 816.00 16+00 17+00 18+00 19+00

814.67 814.83 814.99 815.14 815.30 815.46 815.62 815.78 815.91 815.98 815.99 815.94 815.83 815.71 815.65 815.65 815.72 815.85 816.05 816.31 816.58 816.86 817.13 817.40

2% 15' 2%

814.37 814.53 814.69 814.84 815.00 815.16 815.25 815.37 815.49 815.62 815.69 815.64 815.53 815.41 815.35 815.35 815.48 815.60 815.75 816.01 816.28 816.56 816.83 817.10

815.70
(HP)

(LP)

MATCH LINE STA. 19+50

L-30

WALL MODULAR BLOCK GRAVITY LANDSCAPE

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

NOTES

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

LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 19	E

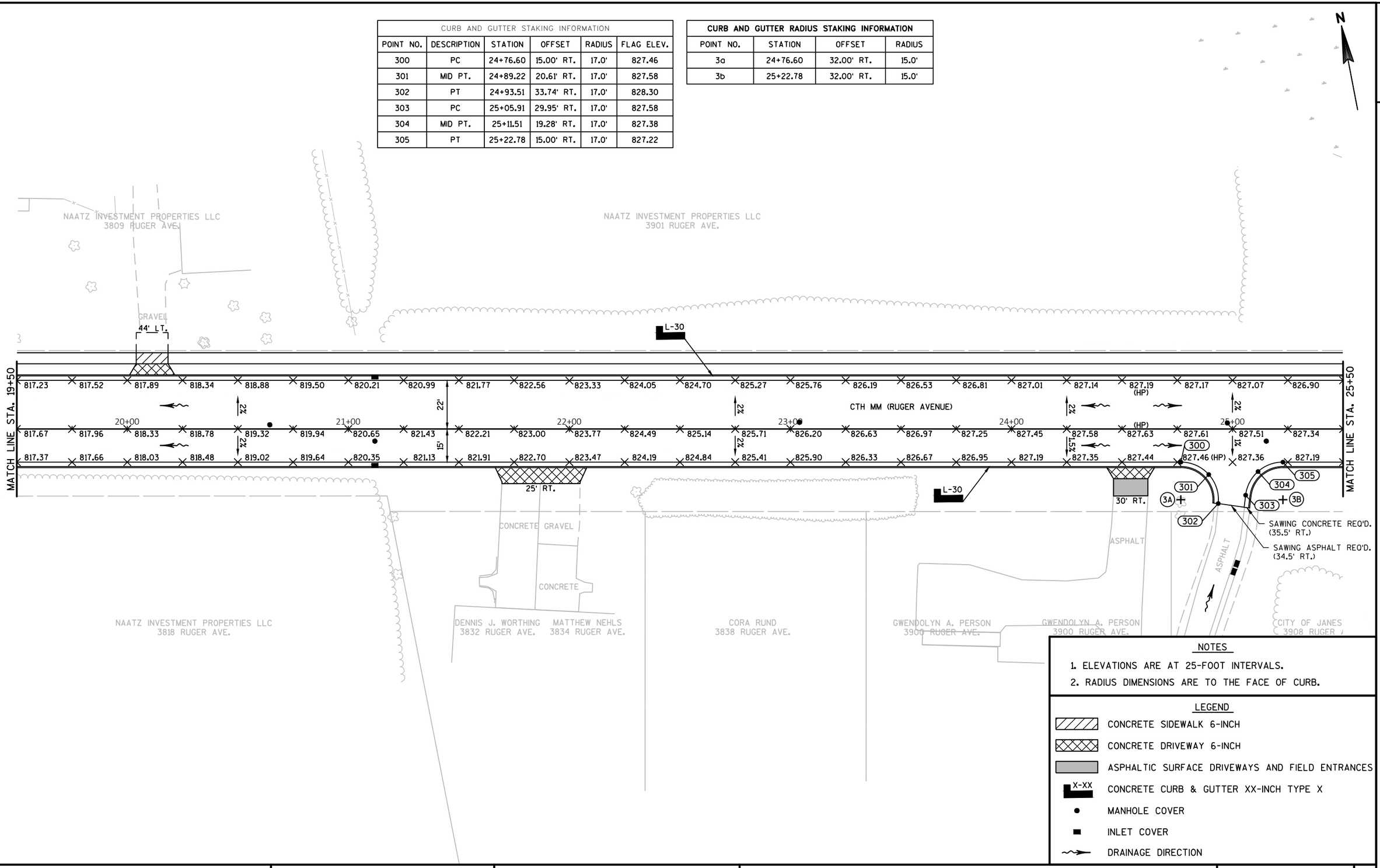
FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd

PLOT DATE : 8/29/2018 7:55 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
300	PC	24+76.60	15.00' RT.	17.0'	827.46
301	MID PT.	24+89.22	20.61' RT.	17.0'	827.58
302	PT	24+93.51	33.74' RT.	17.0'	828.30
303	PC	25+05.91	29.95' RT.	17.0'	827.58
304	MID PT.	25+11.51	19.28' RT.	17.0'	827.38
305	PT	25+22.78	15.00' RT.	17.0'	827.22

CURB AND GUTTER RADIUS STAKING INFORMATION			
POINT NO.	STATION	OFFSET	RADIUS
3a	24+76.60	32.00' RT.	15.0'
3b	25+22.78	32.00' RT.	15.0'



NOTES

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

LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 20	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd
PLOT DATE : 8/29/2018 7:55 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

REINFORCEMENT REQUIRED IN THE CONCRETE SIDEWALK AT STORM SEWER OUTFALL LOCATION. (THREE #4 EPOXY COATED REBARS, 15-FEET LONG, CENTERED ON CROSSING)

REINFORCEMENT REQUIRED IN THE CONCRETE CURB & GUTTER AT STORM SEWER OUTFALL LOCATION. (TWO #4 EPOXY COATED REBARS, 15-FEET LONG, CENTERED ON CROSSING)

L-30

MATCH LINE STA. 25+50

826.66 826.34 825.96 825.56 825.16 824.76 824.36 824.01 823.65 823.30 822.94 822.58 822.24 821.94 821.66 821.41 821.20 821.03 820.95 820.86 820.78 820.68 820.60 (LP) 820.61

2% 2% 22' CTH MM (RUGER AVENUE) 2%

26+00 27+00 28+00 29+00 30+00 31+00

827.10 826.78 826.40 826.00 825.60 825.20 824.80 824.45 824.09 823.74 823.38 823.02 822.68 822.38 822.10 821.85 821.64 821.46 821.31 821.20 821.11 821.06 821.04 (LP) 821.05

1.5% 2% 15' 2%

826.91 826.56 826.14 825.70 825.30 824.90 824.50 824.15 823.79 823.44 823.08 822.72 822.38 822.08 821.80 821.55 821.34 821.18 821.09 821.00 820.92 820.83 820.74 820.75

MATCH LINE STA. 31+50

WALL MODULAR BLOCK GRAVITY (R-53-83)

L-30

VILLE
AVE.

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

NOTES

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

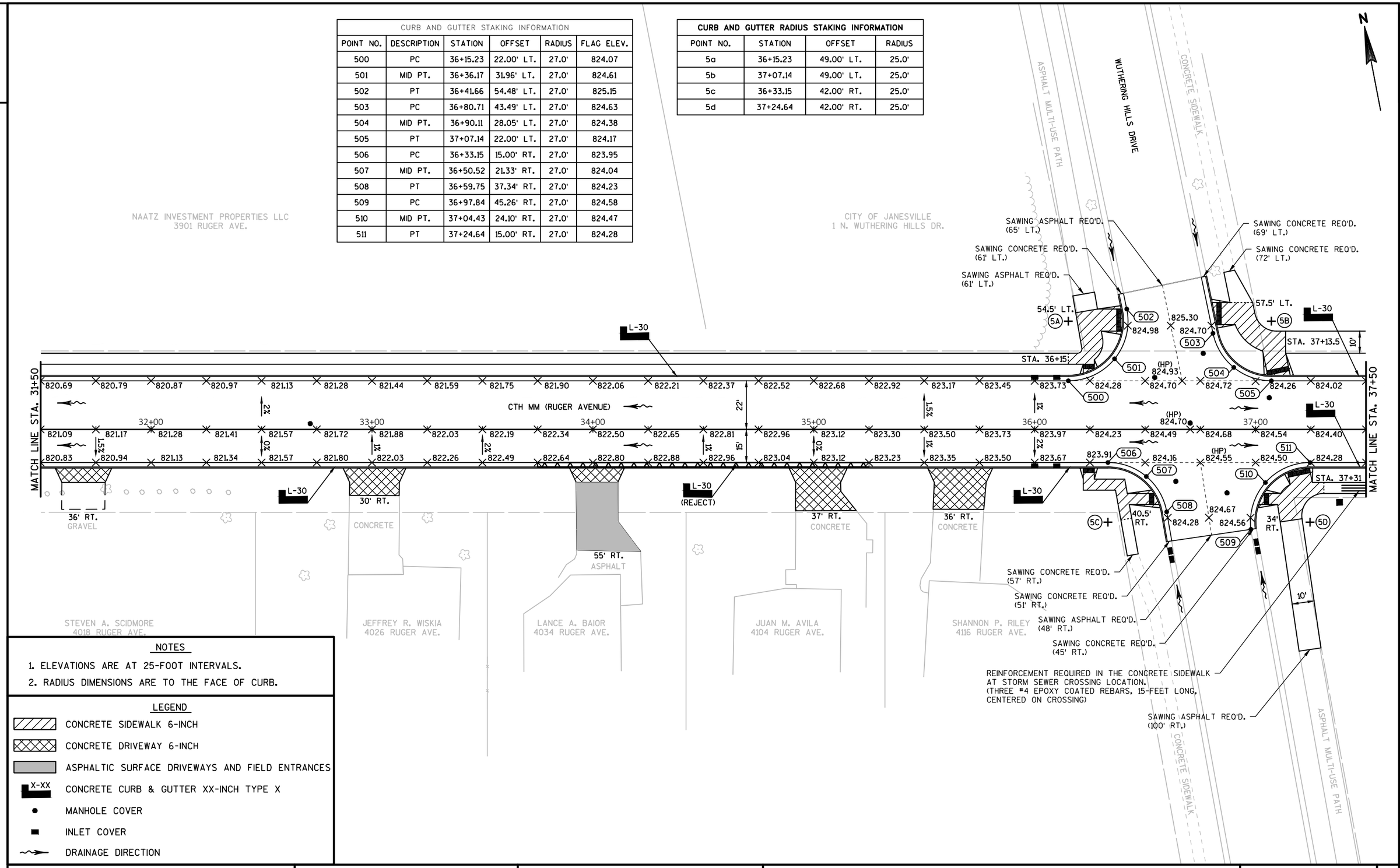
LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 21	E

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
500	PC	36+15.23	22.00' LT.	27.0'	824.07
501	MID PT.	36+36.17	31.96' LT.	27.0'	824.61
502	PT	36+41.66	54.48' LT.	27.0'	825.15
503	PC	36+80.71	43.49' LT.	27.0'	824.63
504	MID PT.	36+90.11	28.05' LT.	27.0'	824.38
505	PT	37+07.14	22.00' LT.	27.0'	824.17
506	PC	36+33.15	15.00' RT.	27.0'	823.95
507	MID PT.	36+50.52	21.33' RT.	27.0'	824.04
508	PT	36+59.75	37.34' RT.	27.0'	824.23
509	PC	36+97.84	45.26' RT.	27.0'	824.58
510	MID PT.	37+04.43	24.10' RT.	27.0'	824.47
511	PT	37+24.64	15.00' RT.	27.0'	824.28

CURB AND GUTTER RADIUS STAKING INFORMATION			
POINT NO.	STATION	OFFSET	RADIUS
5a	36+15.23	49.00' LT.	25.0'
5b	37+07.14	49.00' LT.	25.0'
5c	36+33.15	42.00' RT.	25.0'
5d	37+24.64	42.00' RT.	25.0'



NOTES

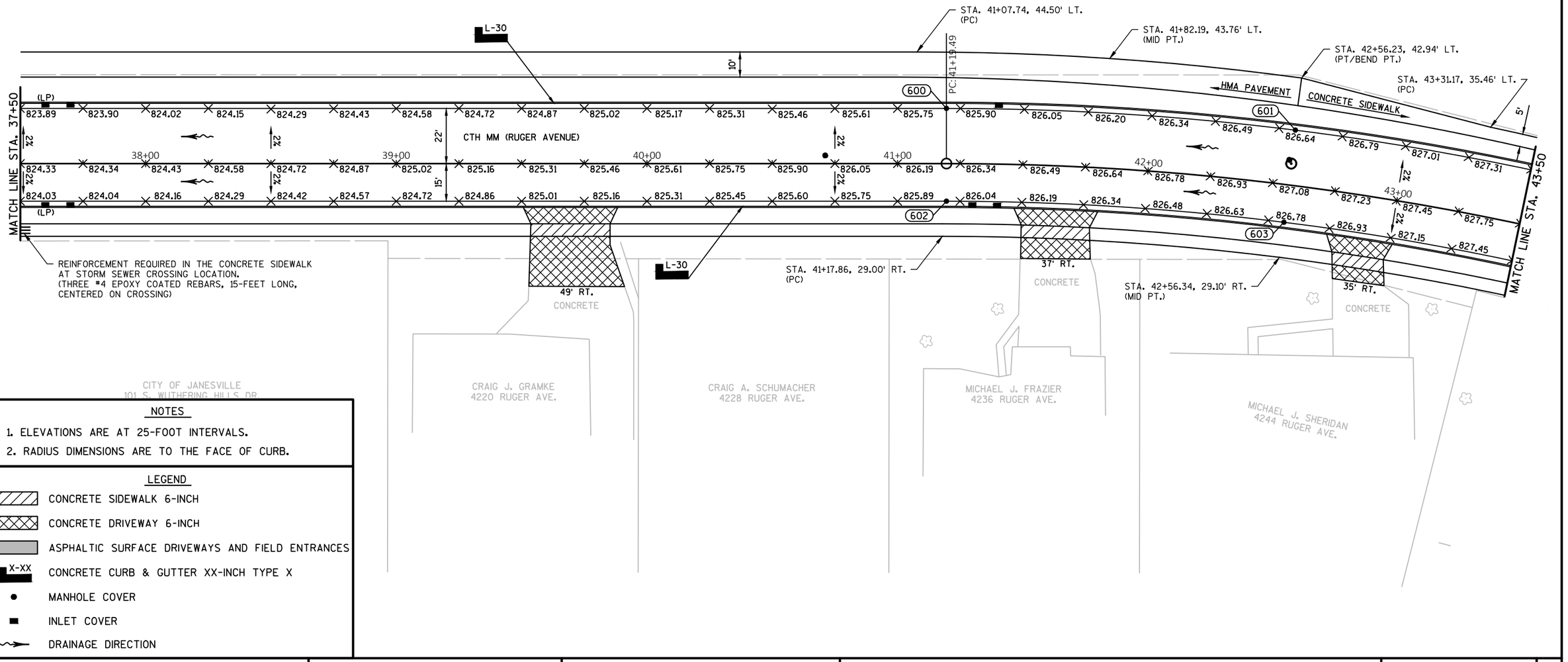
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.

LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 22	E

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
600	PC	41+19.49	22.00' LT.	1,122.0'	825.87
601	MID PT.	42+56.34	22.00' LT.	1,122.0'	826.68
602	PC	41+19.49	15.00' RT.	1,085.0'	826.01
603	MID PT.	42+56.34	15.00' RT.	1,085.0'	826.82



NOTES

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

LEGEND

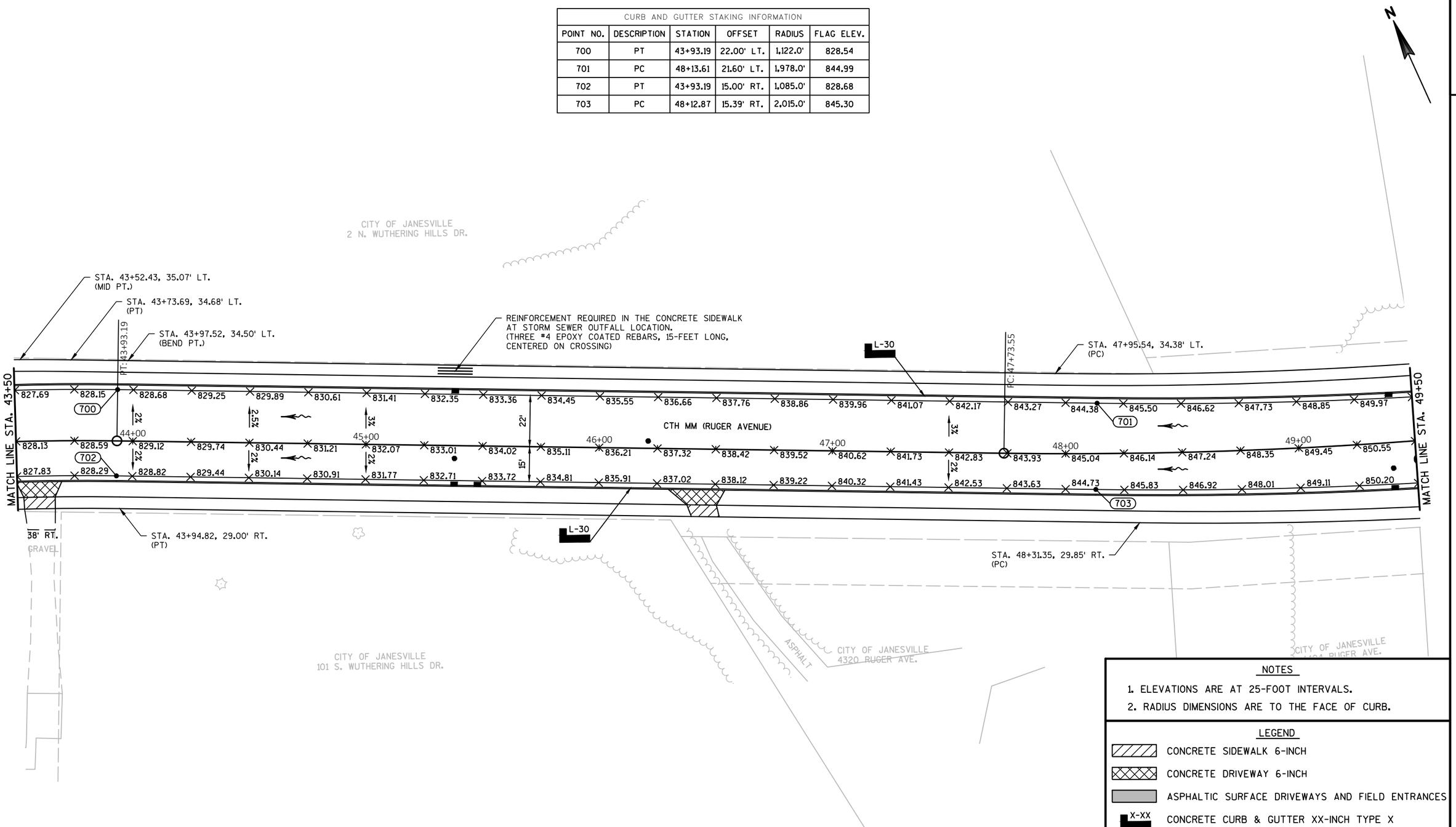
- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd
PLOT DATE : 8/29/2018 7:55 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
700	PT	43+93.19	22.00' LT.	1,122.0'	828.54
701	PC	48+13.61	21.60' LT.	1,978.0'	844.99
702	PT	43+93.19	15.00' RT.	1,085.0'	828.68
703	PC	48+12.87	15.39' RT.	2,015.0'	845.30



NOTES

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

LEGEND

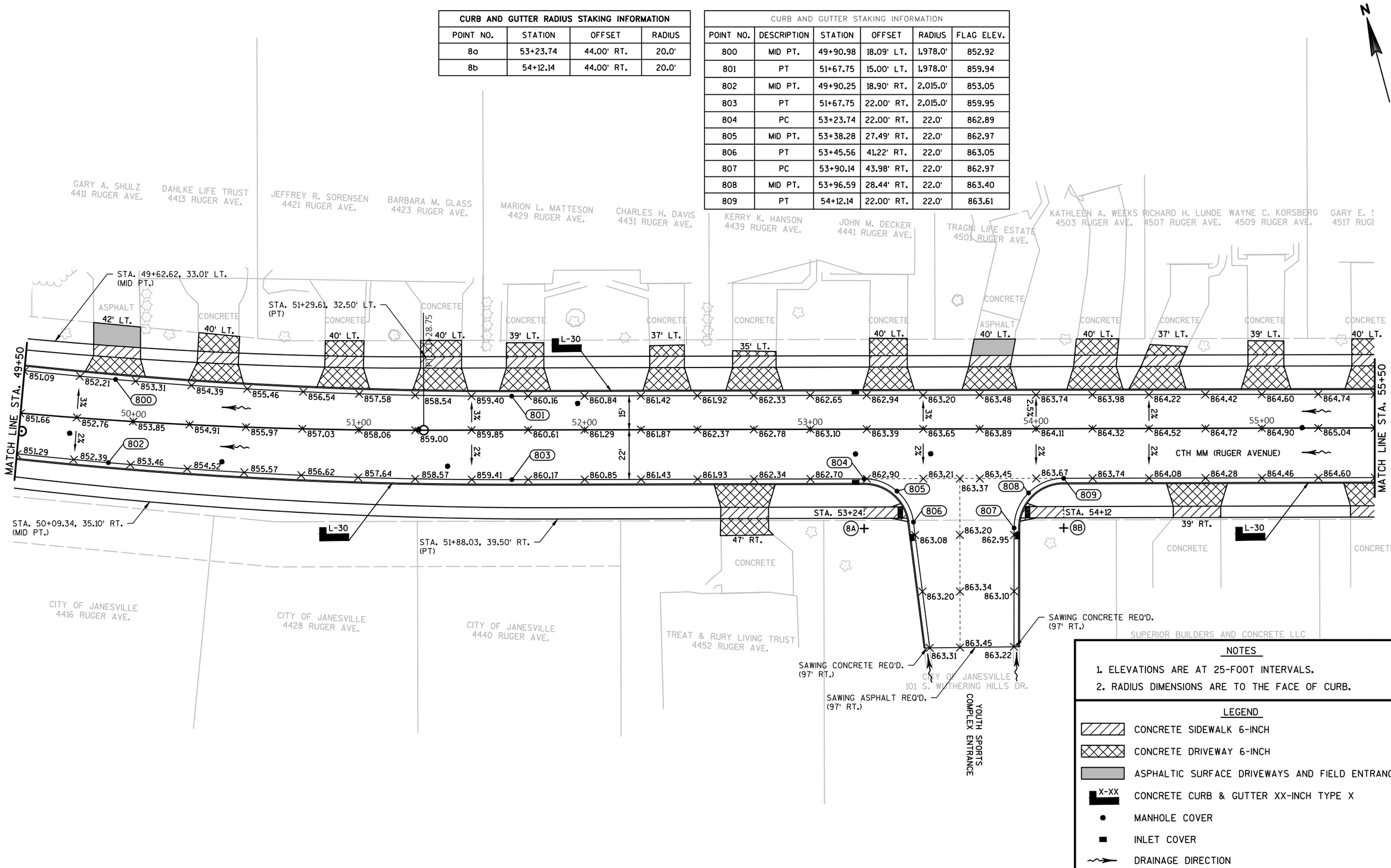
- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 24	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd
PLOT DATE : 8/29/2018 7:55 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

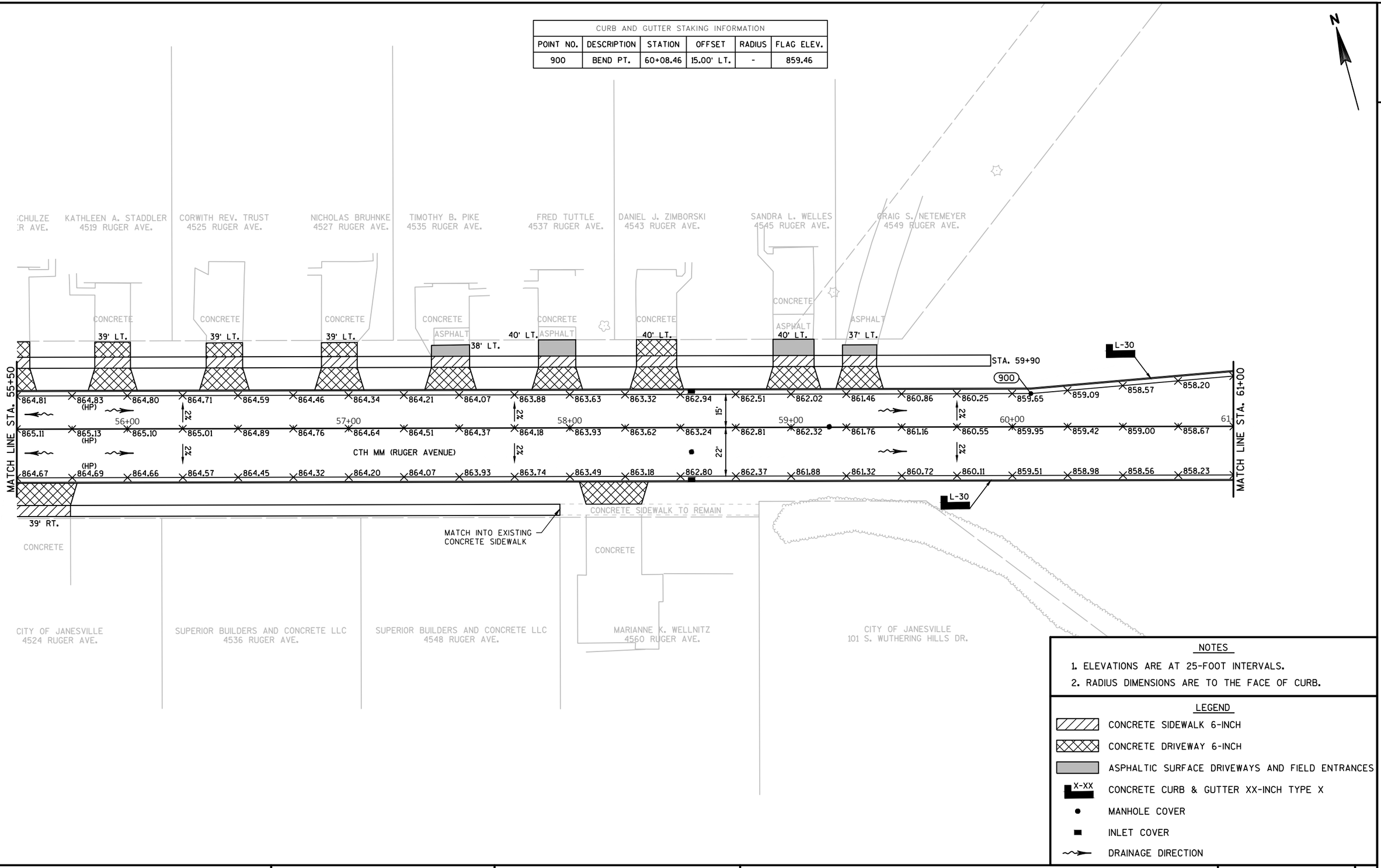
CURB AND GUTTER RADIUS STAKING INFORMATION			
POINT NO.	STATION	OFFSET	RADIUS
8a	53+23.74	44.00' RT.	20.0'
8b	54+12.14	44.00' RT.	20.0'

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
800	MID PT.	49+90.98	18.09' LT.	1,978.0'	852.92
801	PT	51+67.75	15.00' LT.	1,978.0'	859.94
802	MID PT.	49+90.25	18.90' RT.	2,015.0'	853.05
803	PT	51+67.75	22.00' RT.	2,015.0'	859.95
804	PC	53+23.74	22.00' RT.	22.0'	862.89
805	MID PT.	53+38.28	27.49' RT.	22.0'	862.97
806	PT	53+45.56	41.22' RT.	22.0'	863.05
807	PC	53+90.14	43.98' RT.	22.0'	862.97
808	MID PT.	53+96.59	28.44' RT.	22.0'	863.40
809	PT	54+12.14	22.00' RT.	22.0'	863.61



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 25	E

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
900	BEND PT.	60+08.46	15.00' LT.	-	859.46



NOTES

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

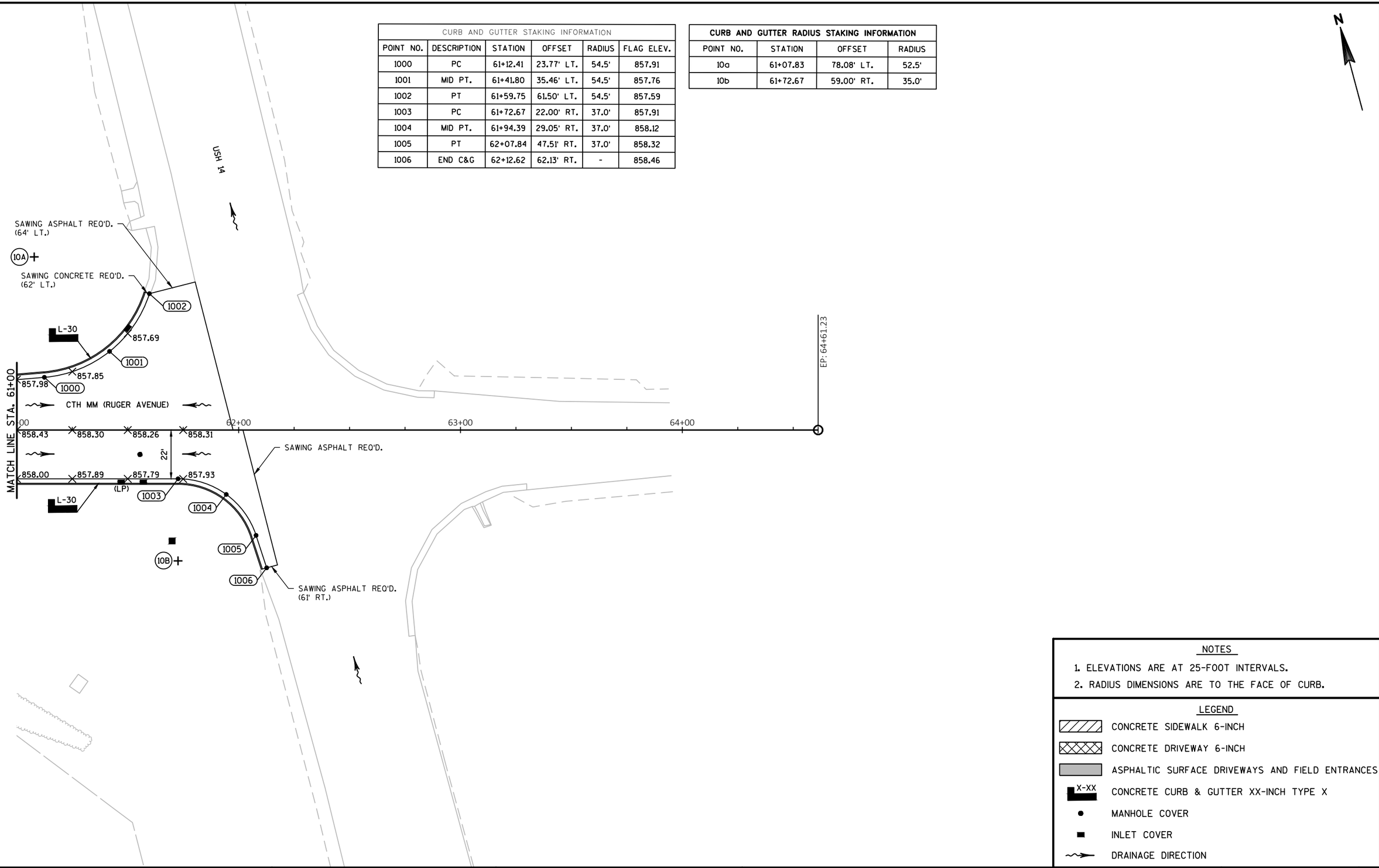
LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 26	E

CURB AND GUTTER STAKING INFORMATION					
POINT NO.	DESCRIPTION	STATION	OFFSET	RADIUS	FLAG ELEV.
1000	PC	61+12.41	23.77' LT.	54.5'	857.91
1001	MID PT.	61+41.80	35.46' LT.	54.5'	857.76
1002	PT	61+59.75	61.50' LT.	54.5'	857.59
1003	PC	61+72.67	22.00' RT.	37.0'	857.91
1004	MID PT.	61+94.39	29.05' RT.	37.0'	858.12
1005	PT	62+07.84	47.51' RT.	37.0'	858.32
1006	END C&G	62+12.62	62.13' RT.	-	858.46

CURB AND GUTTER RADIUS STAKING INFORMATION			
POINT NO.	STATION	OFFSET	RADIUS
10a	61+07.83	78.08' LT.	52.5'
10b	61+72.67	59.00' RT.	35.0'



NOTES

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

LEGEND

- CONCRETE SIDEWALK 6-INCH
- CONCRETE DRIVEWAY 6-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- DRAINAGE DIRECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PAVING DETAILS	SHEET 27	E

2

2

N

7+00

CTH MM (RUGER AVENUE)

EXISTING INLET TO REMAIN

EXISTING CONCRETE SIDEWALK TO REMAIN

EXISTING INLET TO REMAIN

7+41.19, 42.07' RT
ELEV.=810.33

SAWING CONCRETE REQ'D. (42' RT.)

CONCRETE SIDEWALK 6-INCH

7+35.95, 42.60' RT
ELEV.=810.37

7+45.86, 41.75' RT
ELEV.=810.06

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

ELEV.=810.14

7+46.84, 46.75' RT
ELEV.=810.24

ELEV.=810.32

0.8%

5.4%

5'

2%

1.5%

3%

SAWING CONCRETE REQ'D. (STA. 7+36.5)

7+36.95, 47.56' RT
ELEV.=810.47

3.4%

5%

7+37.99, 52.93' RT
ELEV.=810.64

7+42.22, 47.02' RT
ELEV.=810.39

SAWING CONCRETE REQ'D. (53' RT.)

7+43.12, 51.96' RT
ELEV.=810.68

GRASS

EXISTING CONCRETE SIDEWALK TO REMAIN

EXISTING R/W

EXISTING R/W

DONALD A. HANSON SR.
4 S. WRIGHT ROAD

GRASS

GRASS

GRASS

EXISTING CONCRETE SIDEWALK TO REMAIN

WRIGHT ROAD

NOTES AND LEGEND

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

LANDING AREA

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CURB RAMP DETAILS: CTH MM (RUGER AVENUE) & WRIGHT ROAD	SHEET 28	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021001-CR.DWG
LAYOUT NAME - 021301-cr
PLOT DATE : 8/22/2018 8:48 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42

2

EXISTING INLET TO REMAIN

GRASS

EXISTING CONCRETE SIDEWALK TO REMAIN

EXISTING R/W

WRIGHT ROAD

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 19.50'
CURB RAMP LANDING LENGTH 'XR' = 5.48'
RADIAL WARNING FIELD AREA = 11.78 S.F.
RADIAL LONG CHORD DIMENSION = 5.75'

PUBLIC PARK

SAWING CONCRETE REQ'D. (57' LT.)

INLET COVER

7+85.40, 36.93' LT
ELEV.=809.55

7+89.97, 38.97' LT
ELEV.=809.63

7+94.54, 41.00' LT
5.0' RADIUS

7+92.41, 36.47' LT
ELEV.=809.66

8+00.26, 36.00' LT
ELEV.=809.72

EXISTING R/W

8+05.26, 36.00' LT
ELEV.=809.66

GRASS

5'

5'

CONCRETE SIDEWALK 4-INCH

41.5' LT

STREET LIGHT POLE

ELEV.=809.37
(HP)

8.3%

1.5%

7.9%

CONCRETE SIDEWALK 6-INCH

1.5%

CONCRETE SIDEWALK 4-INCH

5'

6.5'

7% MAX.

7+79.96, 36.92' LT
ELEV.=809.28

7+82.66, 36.93' LT
ELEV.=809.32

ELEV.=809.30

8+00.26, 31.00' LT
ELEV.=809.64

8+05.26, 31.00' LT
ELEV.=809.59

8+05.27, 24.00' LT
ELEV.=809.18

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA

(LP)

ELEV.=809.21

ELEV.=809.26

INLET COVER (TYP.)

7+82.72, 31.92' LT
ELEV.=809.20

7+85.99, 31.93' LT
ELEV.=809.25

7+90.29, 31.95' LT
ELEV.=809.59

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

8+00.28, 24.00' LT
ELEV.=809.14

MANHOLE COVER (TYP.)

CTH MM (RUGER AVENUE)

8+00

N

CTH MM (RUGER AVENUE)

8+00

MANHOLE COVER (TYP.)

INLET COVER (TYP.)

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

ELEV.=809.39

ELEV.=809.51

8+00.23, 23.23' RT
ELEV.=809.47

8+00.19, 28.97' RT
ELEV.=809.81

1.5%

8+05.25, 19.39' RT
ELEV.=809.34

8+00.13, 37.99' RT
ELEV.=810.21

8+05.22, 24.00' RT
ELEV.=809.41

GRASS

7+94.76, 37.98' RT
ELEV.=809.85

8+05.19, 29.01' RT
ELEV.=809.84

CONCRETE SIDEWALK 6-INCH

6.8%

8+05.13, 38.03' RT
ELEV.=810.28

ELEV.=809.91

8+05.11, 39.91' RT
BEND PT.

7.15%

1.4%

1.4%

8+05.72, 43.00' RT
ELEV.=810.35

EXISTING R/W

ELEV.=810.00

43' RT.

CONCRETE SIDEWALK 4-INCH

7%

7+95.52, 42.98' RT
ELEV.=809.94

MARKLEIN BUILDERS INC.
5 S. WRIGHT ROAD

EXISTING R/W

8+00.62, 42.98' RT
ELEV.=810.28

4.5'

5'

8+09.37, 61.63' RT
ELEV.=812.12

8+04.46, 62.59' RT
ELEV.=812.04

WRIGHT ROAD

GRASS

NOTES AND LEGEND

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3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

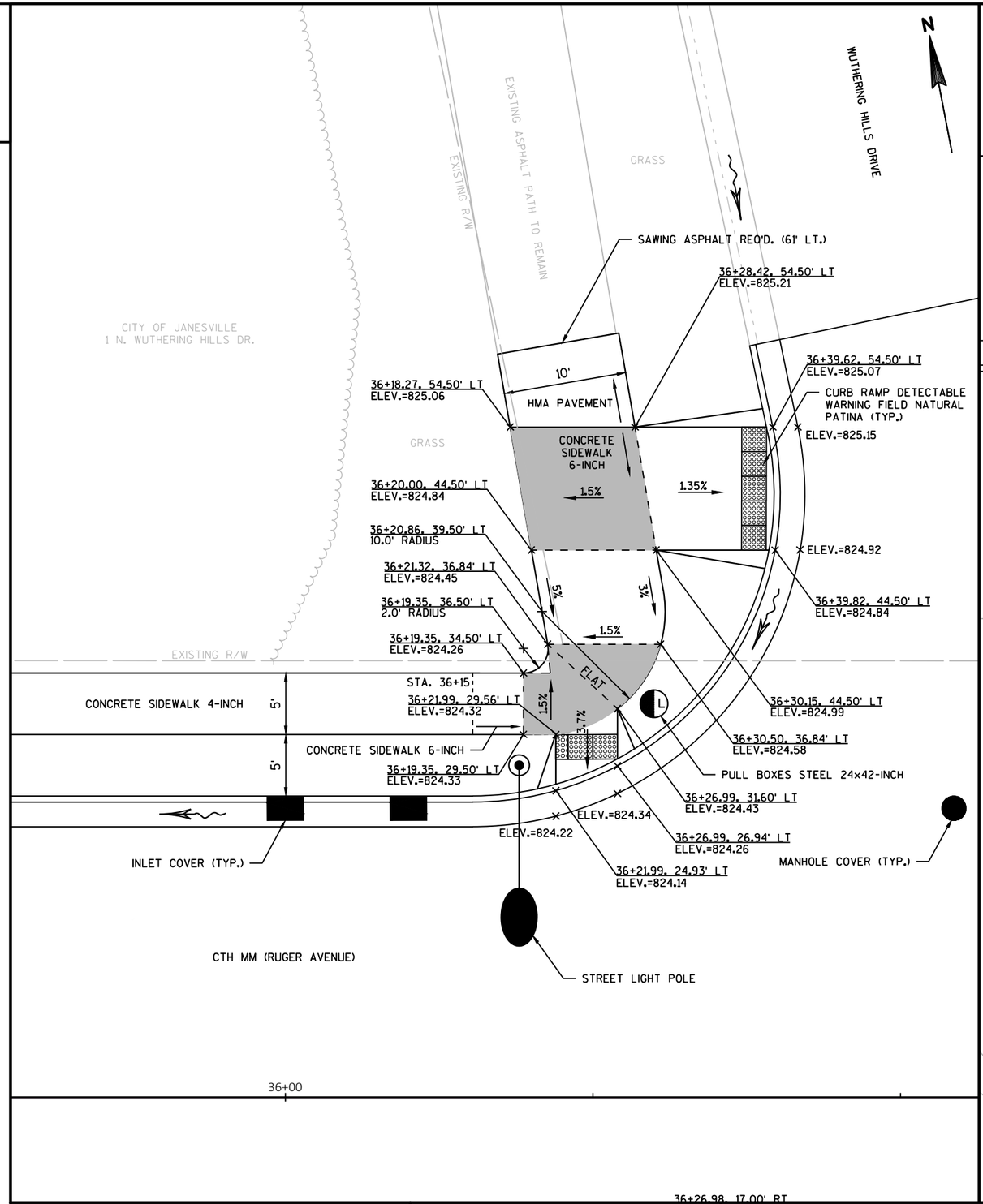
LANDING AREA

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CURB RAMP DETAILS: CTH MM (RUGER AVENUE) & WRIGHT ROAD	SHEET 29	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\021001-CR.DWG
LAYOUT NAME - 021305-cr

PLOT DATE : 10/5/2018 12:15 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 42

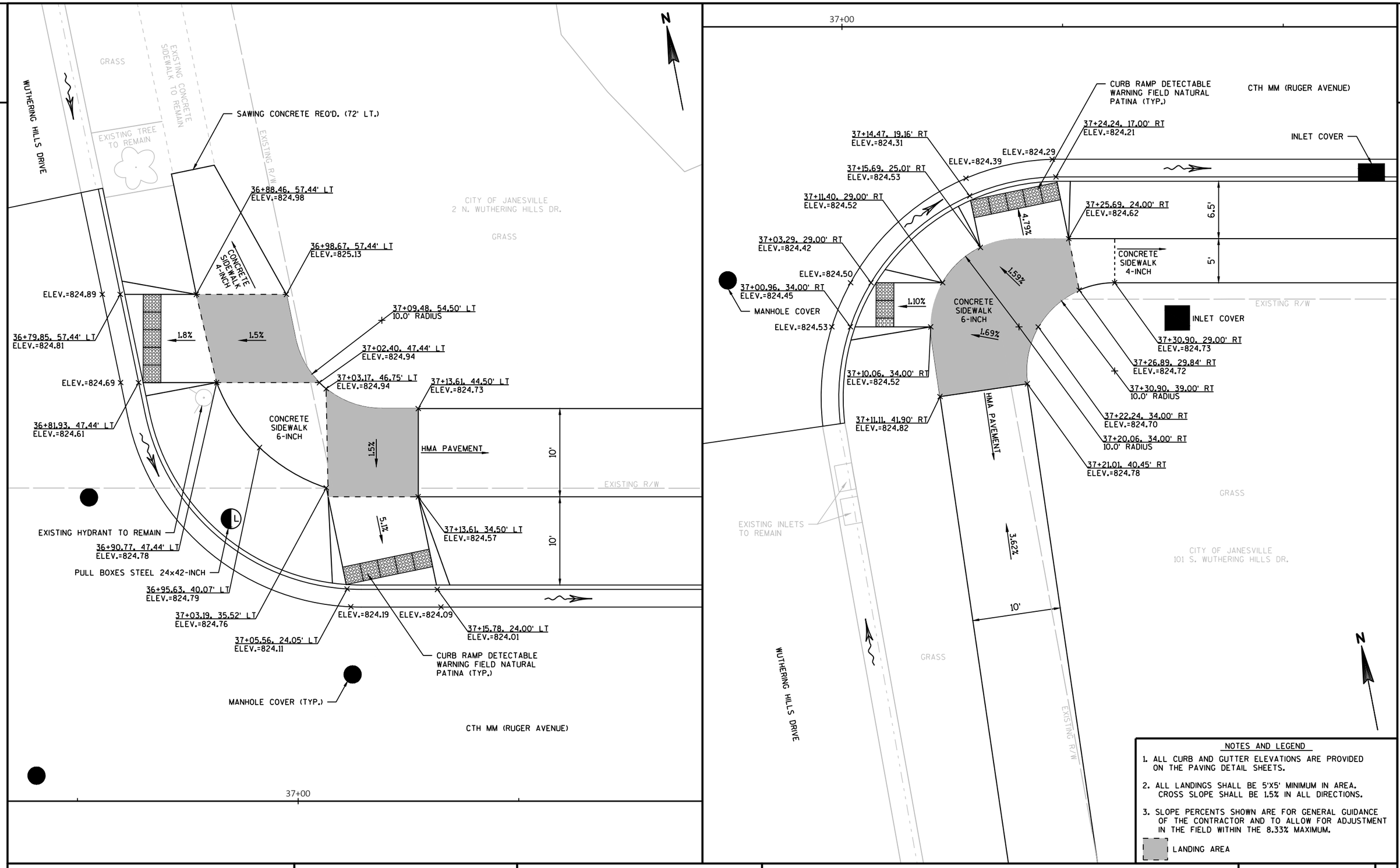


NOTES AND LEGEND

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2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

LANDING AREA

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CURB RAMP DETAILS: CTH MM (RUGER AVENUE) & WUTHERING HILLS DRIVE	SHEET 30	E

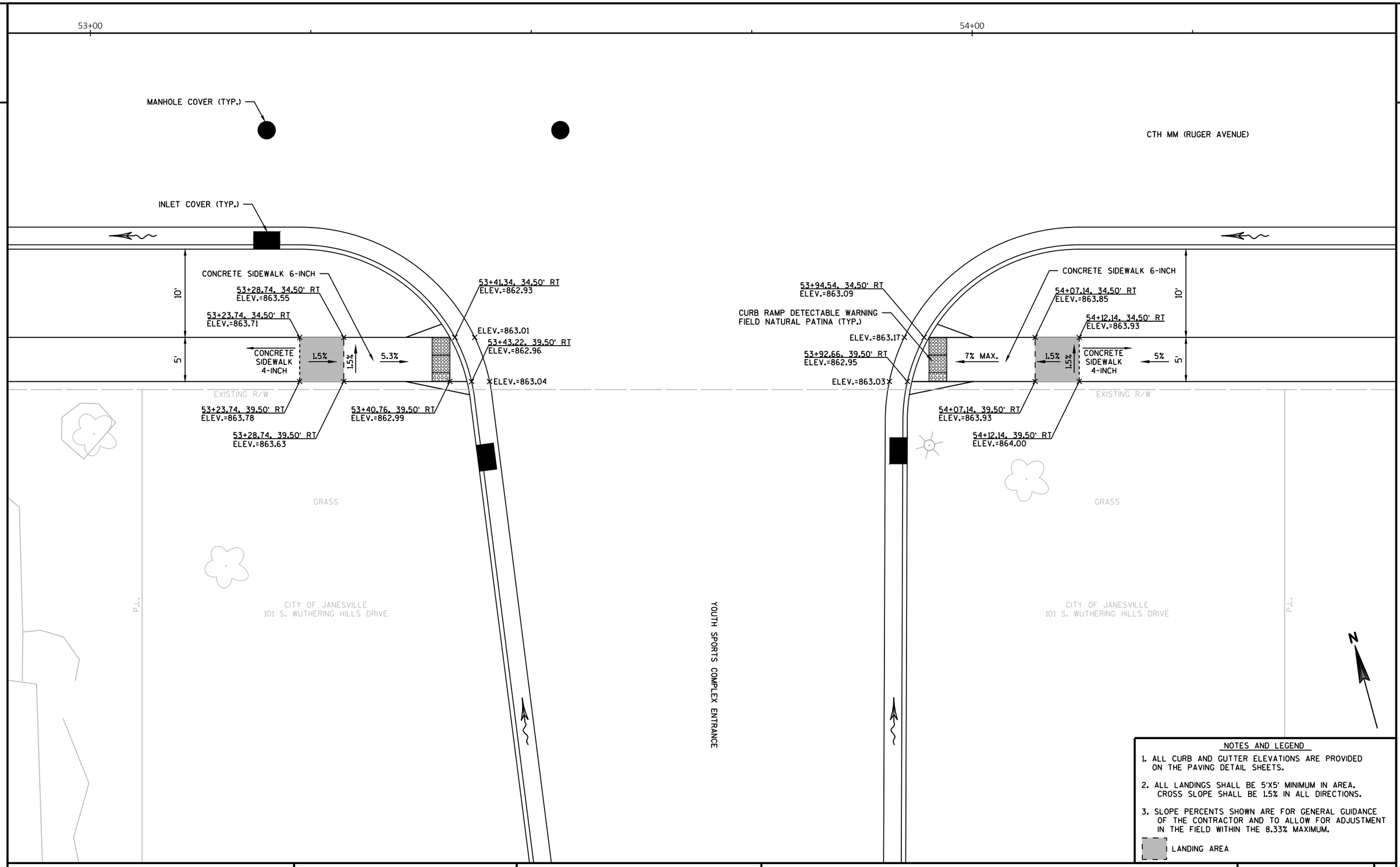


NOTES AND LEGEND

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

LANDING AREA

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CURB RAMP DETAILS: CTH MM (RUGER AVENUE) & WUTHERING HILLS DRIVE	SHEET 31	E



NOTES AND LEGEND

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

LANDING AREA

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CURB RAMP DETAILS: YOUTH SPORTS COMPLEX ENTRANCE	SHEET 32	E

2

WRIGHT ROAD

PUBLIC PARK

CORA RUND
3617 RUGER AVE.

CORA RUND
3619 RUGER AVE.

JOHN R. GORSKI
3629 RUGER AVE.

JOHN R. GORSKI
3631 RUGER AVE.

JOHN R. GORSKI
3637 RUGER AVE.

WAAGE LIFE ESTATE
3705 RUGER AVE.

CTH MM (RUGER AVENUE)

8+00 9+00 10+00 11+00 12+00 13+00

MATCH LINE STA. 13+50

50:1

4:1

4:1

2.5:1

MARKLEIN BUILDERS INC.
5 S. WRIGHT RD.

MARKLEIN BUILDERS INC.
13 S. WRIGHT RD.

DAVID R. DAHL
3632 RUGER AVE.

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 33	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec
PLOT DATE : 10/15/2018 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

SEE DRAINAGE SWALE
EROSION CONTROL PLAN

ETER J. SKELLY
707 RUGER AVE.

PETER J. SKELLY
3713 RUGER AVE.

MARKLEIN BUILDERS INC.
3725 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

200:1

100:1

BP: 200+00.00

9:1

MATCH LINE STA. 13+50

14+00 15+00 16+00 17+00 18+00 19+00

CTH MM (RUGER AVENUE)

MATCH LINE STA. 19+50

2.5:1

40:1

10.5:1

SEEDING MIXTURE NO. 40 | SEEDING MIXTURE NO. 20

STA. 14+50

SEEDING MIXTURE NO. 20

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 34	E

2

N

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

STA. 21+20

SEEDING MIXTURE NO. 40 | SEEDING MIXTURE NO. 20

4:1

4:1

3:1

SEEDING MIXTURE NO. 20

2.5:1

MATCH LINE STA. 19+50

20+00 21+00 22+00 23+00 24+00 25+00

MATCH LINE STA. 25+50

CTH MM (RUGER AVENUE)

25:1

4:1

4:1

25:1

SEEDING MIXTURE NO. 20 | SEEDING MIXTURE NO. 40

STA. 21+20

NAATZ INVESTMENT PROPERTIES LLC
3818 RUGER AVE.

DENNIS J. WORTHING
3832 RUGER AVE.

MATTHEW NEHLS
3834 RUGER AVE.

CORA RUND
3838 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 35	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec
PLOT DATE : 10/15/2018 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

SEEDING MIXTURE NO. 20

2.5:1

2.5:1

SEEDING MIXTURE NO. 20

2.5:1

DITCH BOTTOM

2.5:1

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

CTH MM (RUGER AVENUE)

26+00 27+00 28+00 29+00 30+00 31+00

2:1

2.5:1

2.5:1

VILLE
AVE.

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 10/15/2018 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

WUTHERING HILLS DRIVE

DITCH BOTTOM

SEEDING MIXTURE NO. 20

SEEDING MIXTURE NO. 20

MATCH LINE STA. 31+50

32+00 33+00 34+00 35+00 36+00 37+00

MATCH LINE STA. 37+50

CTH MM (RUGER AVENUE)

25:1

25:1

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

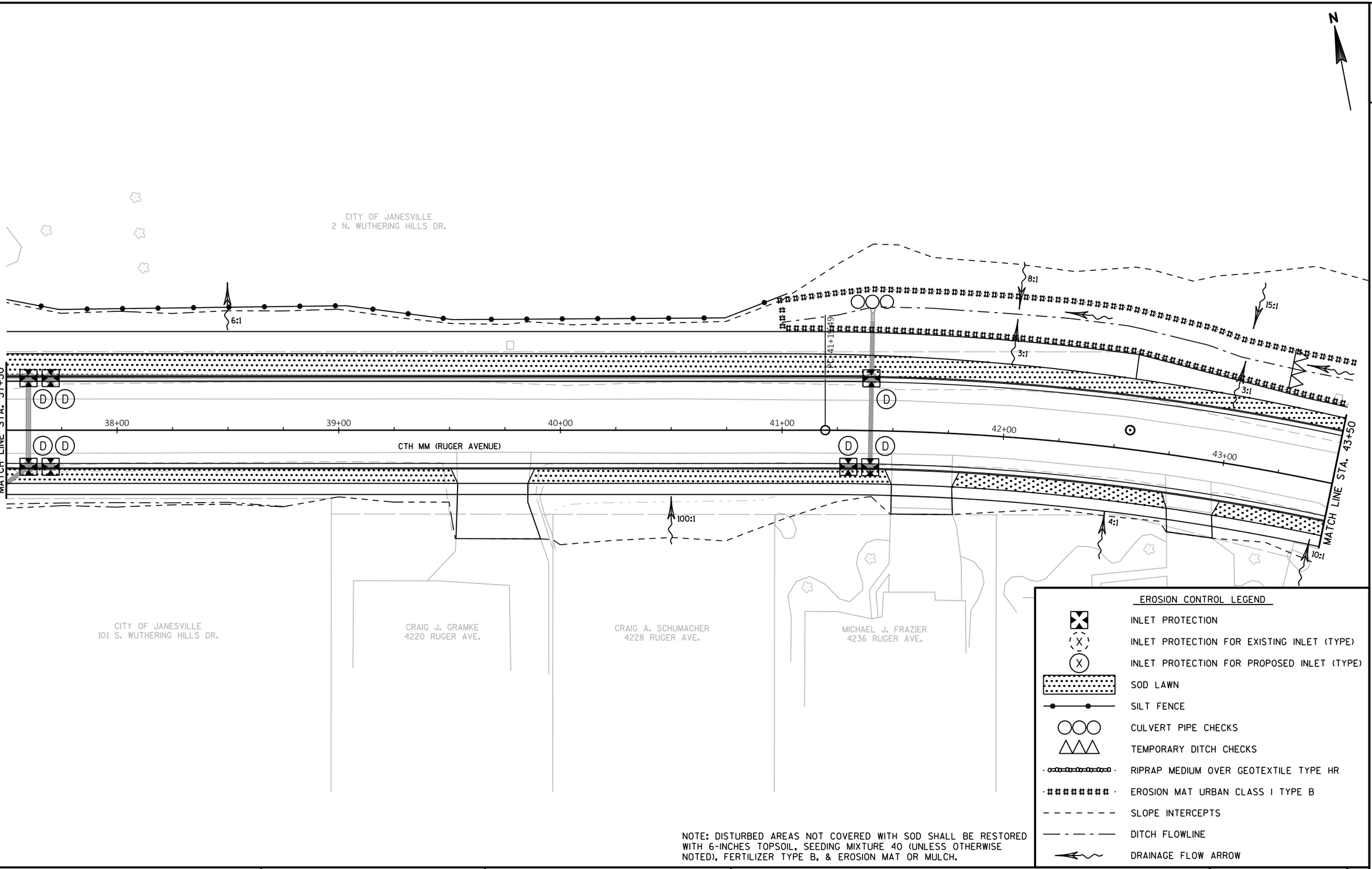
EROSION CONTROL LEGEND

- INLET PROTECTION
- (X) INLET PROTECTION FOR EXISTING INLET (TYPE)
- (X) INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 37	E

2



EROSION CONTROL LEGEND

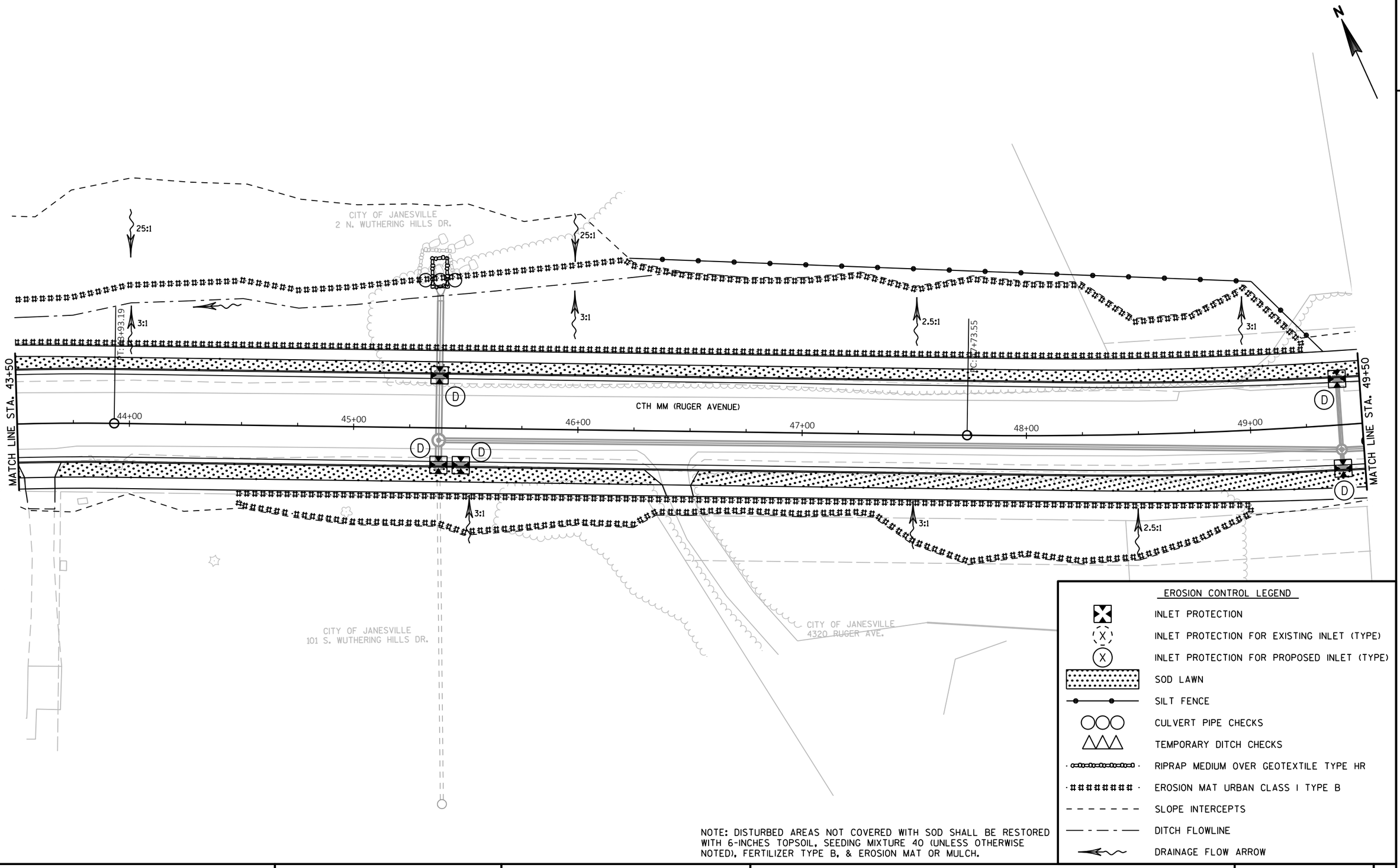
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 38	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec
PLOT DATE : 10/15/2018 8:40 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



EROSION CONTROL LEGEND

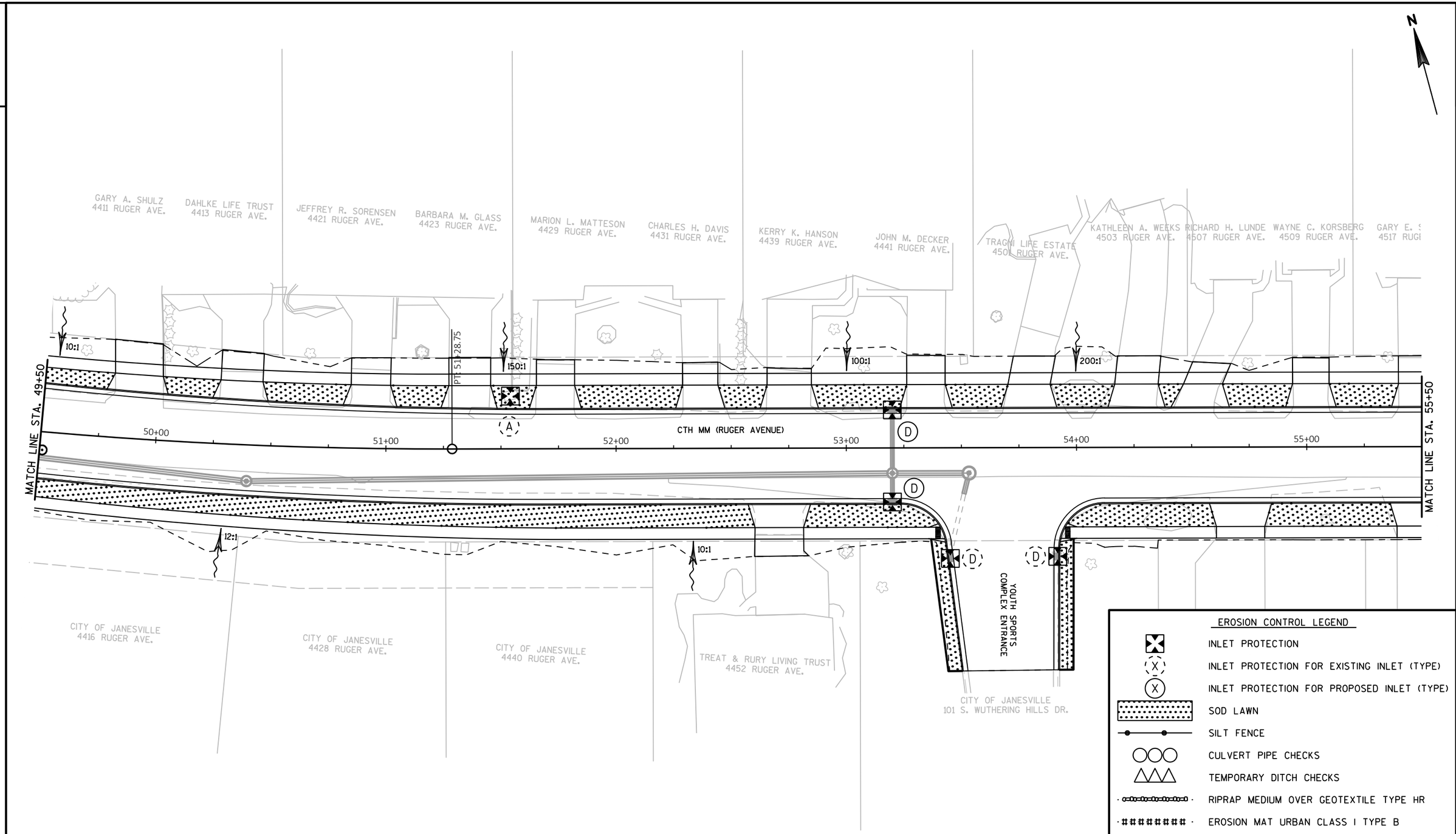
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022007-ec
PLOT DATE : 10/15/2018 8:40 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 40	E

2

N

:CHULZE
:R AVE.

KATHLEEN A. STADDLER
4519 RUGER AVE.

CORWITH REV. TRUST
4525 RUGER AVE.

NICHOLAS BRUHNKE
4527 RUGER AVE.

TIMOTHY B. PIKE
4535 RUGER AVE.

FRED TUTTLE
4537 RUGER AVE.

DANIEL J. ZIMBORSKI
4543 RUGER AVE.

SANDRA L. WELLES
4545 RUGER AVE.

CRAIG S. NETEMEYER
4549 RUGER AVE.

MATCH LINE STA. 55+50

56+00 57+00 58+00 59+00 60+00 61

MATCH LINE STA. 61+00

CTH MM (RUGER AVENUE)

4:1

CITY OF JANESVILLE
4524 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4536 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4548 RUGER AVE.

MARIANNE K. WELLNITZ
4560 RUGER AVE.

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

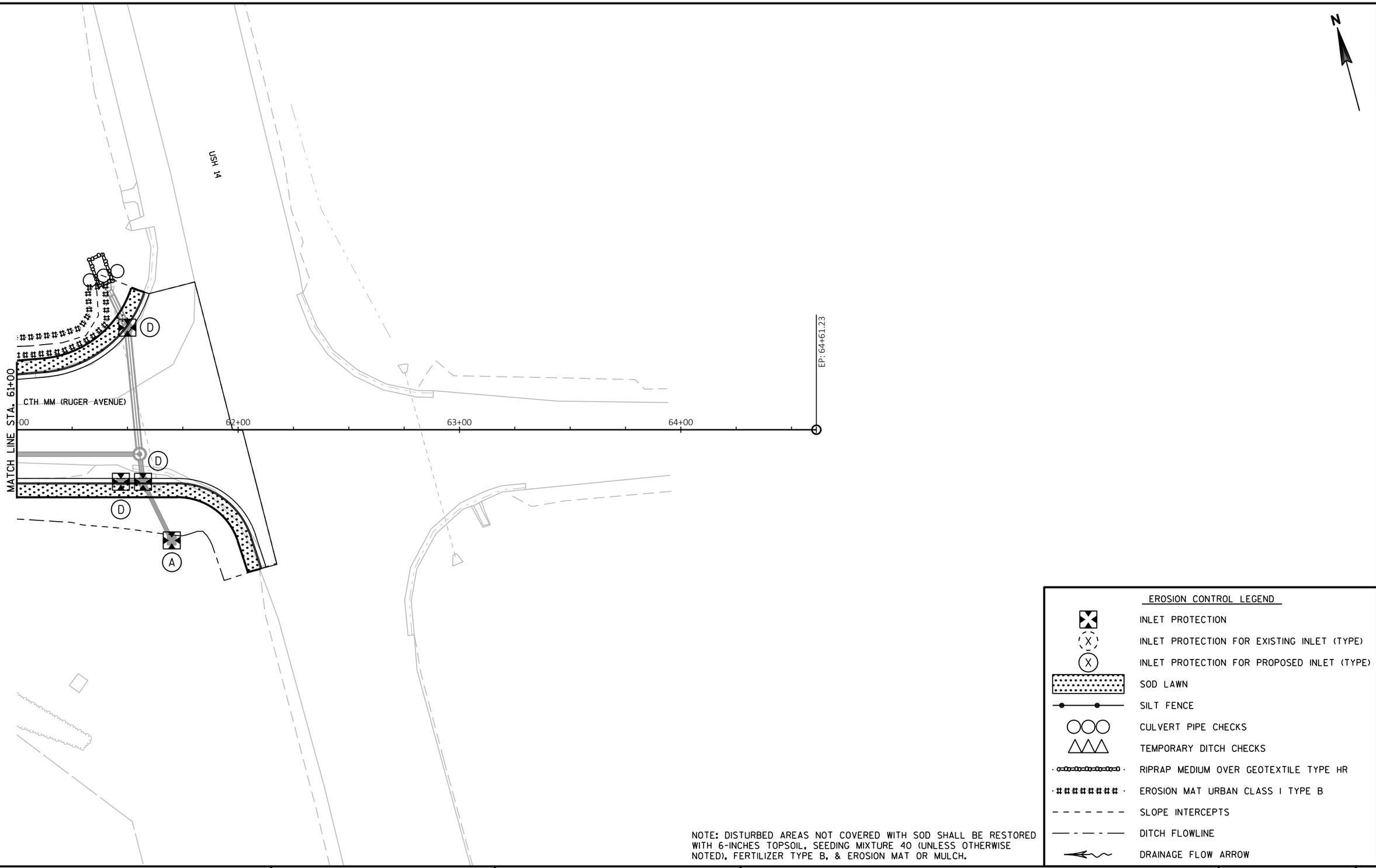
NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 41	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 10/15/2018 8:40 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL	SHEET 42	E

2

N

MARKLEIN BUILDERS, INC.
3725 RUGER AVE.

BP: 200+00.00

SEEDING MIXTURE NO. 10 FOR ENTIRE DRAINAGE SWALE

2.5:1

2.5:1

201+00

202+00

0.5%

203+00

DITCH BOTTOM

204+00

0.5%

205+00

206+00

2.5:1

2.5:1

BLACKHAWK CREEK

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NOTE: DISTURBED AREAS NOT COVERED WITH SOD SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE 40 (UNLESS OTHERWISE NOTED), FERTILIZER TYPE B, & EROSION MAT OR MULCH.

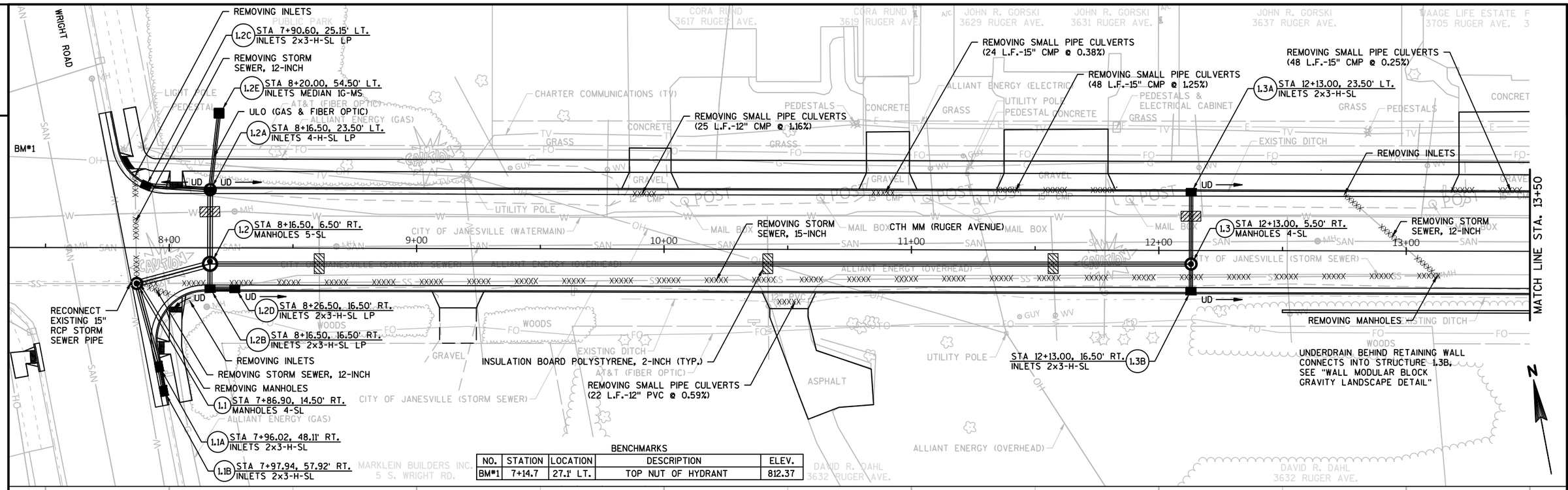
EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SILT FENCE
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR
- EROSION MAT URBAN CLASS I TYPE B
- SLOPE INTERCEPTS
- DITCH FLOWLINE
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	EROSION CONTROL: DRAINAGE SWALE	SHEET 43	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011-ec
PLOT DATE : 10/15/2018 8:40 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

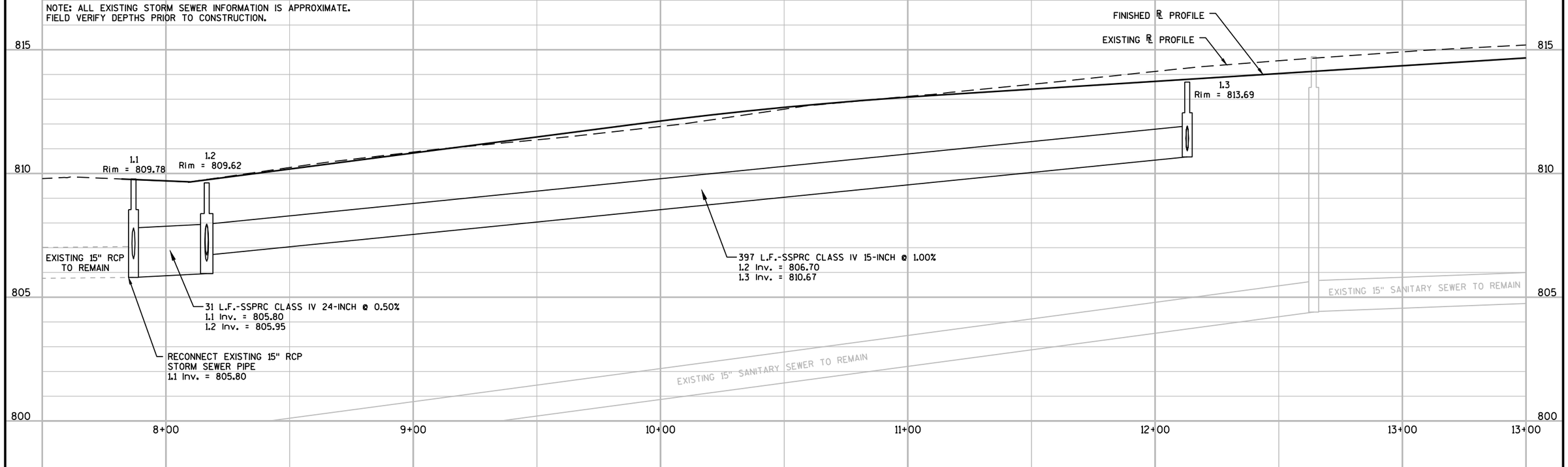
2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	7+14.7	27.1' LT.	TOP NUT OF HYDRANT	812.37

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



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 44	E

2

DRAINAGE SWALE (SEE PLAN & PROFILE SHEETS)

STA 16+88.35, 126.75' LT.
APRON ENDWALLS FOR CPRC 18-INCH WITH PIPE GRATE REQ'D. EW.2

ULO (TV & ELECTRIC)

ULO (GAS & FIBER OPTIC)

2.1 STA 17+12.00, 23.50' LT.
INLETS 4-H-SL LP

2.1A STA 17+22.00, 23.50' LT.
INLETS 2x3-H-SL LP

REMOVING SMALL PIPE CULVERTS (38 L.F.-15" CMP @ 0.32%)

2.2 STA 17+12.00, 5.50' RT.
MANHOLES 4-SL

2.2A STA 17+02.00, 16.50' RT.
INLETS 2x3-H-SL LP

2.2D STA 17+32.00, 16.50' RT.
INLETS 2x3-H-SL LP

2.2C STA 17+22.00, 16.50' RT.
INLETS 2x3-H-SL LP

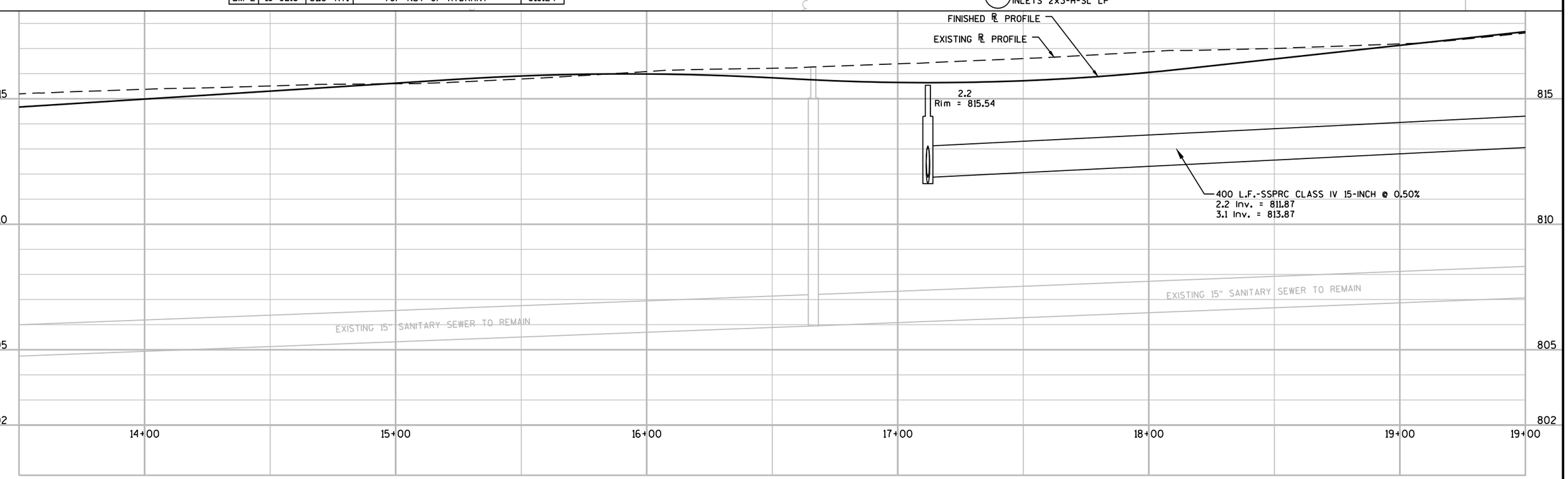
2.2B STA 17+12.00, 16.50' RT.
INLETS 2x3-H-SL LP

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

UNDERDRAIN BEHIND RETAINING WALL CONNECTS INTO STRUCTURE 1.3B, SEE "WALL MODULAR BLOCK GRAVITY LANDSCAPE DETAIL"

BENCHMARKS

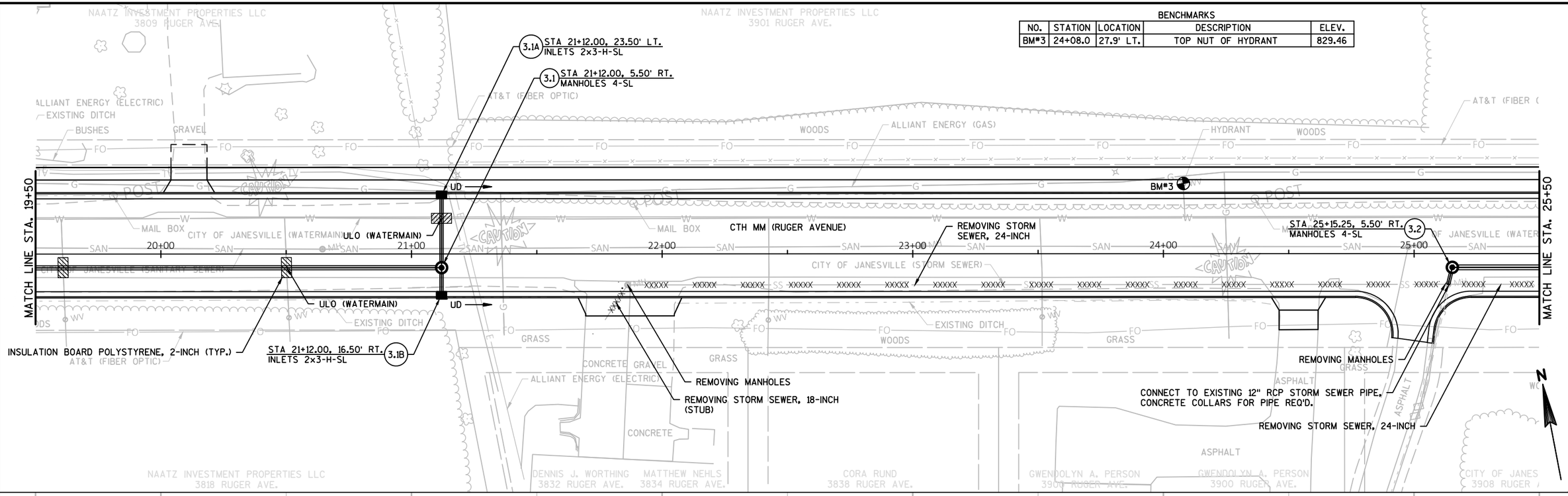
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#2	16+92.3	31.6' RT.	TOP NUT OF HYDRANT	819.24

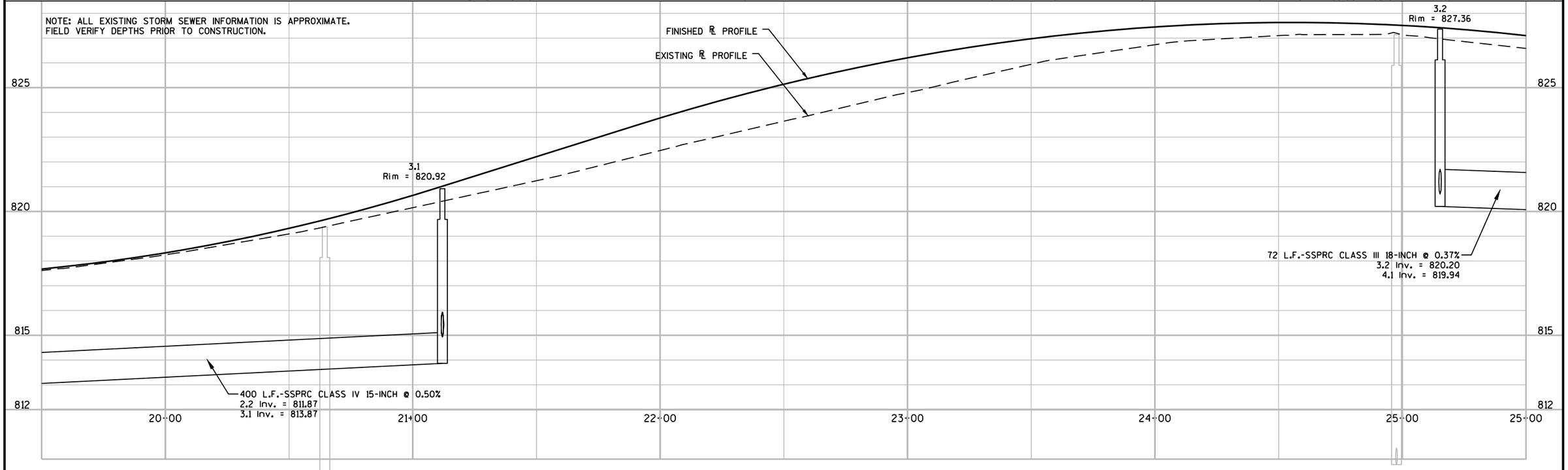


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 45	E

2

BENCHMARKS				
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*3	24+08.0	27.9' LT.	TOP NUT OF HYDRANT	829.46





PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 46	E

2

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*4	29+69.6	28.8' LT.	TOP NUT OF HYDRANT	824.62

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

4.1 STA 25+86.80, 5.50' RT.
MANHOLES 5-SL

4.2 STA 27+55.00, 5.50' RT.
MANHOLES 5-SL

4.3 STA 29+03.00, 5.50' RT.
MANHOLES 8-SL

4.4 STA 31+04.00, 5.50' RT.
MANHOLES 4-SL

4.2A STA 27+55.00, 23.50' LT.
INLETS 2x3-H-SL

4.2B STA 27+55.00, 16.50' RT.
INLETS 2x3-H-SL

EW.4 STA 29+00.00, 42.75' LT.
APRON ENDWALLS FOR CPRCHE 29x45-INCH
WITH PIPE GRATE REQ'D.

4.4A STA 31+04.00, 23.50' LT.
INLETS 2x3-H-SL LP

4.4B STA 31+04.00, 16.50' RT.
INLETS 2x3-H-SL LP

4.4C STA 31+14.00, 23.50' LT.
INLETS 2x3-H-SL LP

4.4D STA 31+14.00, 16.50' RT.
INLETS 2x3-H-SL LP

REMOVING MANHOLES

CONNECT TO EXISTING 12" PVC
STORM SEWER PIPE

REMOVING STORM
SEWER, 24-INCH

REMOVING STORM
SEWER, 30-INCH

REMOVING STORM
SEWER, 12-INCH

ULO (WATERMAIN)

ULO (GAS)

UD

BM*4

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

UNDERDRAIN BEHIND RETAINING WALL
CONNECTS INTO STRUCTURE 4.3,
SEE STRUCTURE R-53-83 PLAN
SHEETS

CTH MM (RUGER AVENUE)

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

WOODS

GRASS

EXISTING DITCH

LANDSCAPING

26+00 27+00 28+00 29+00 30+00 31+00

4.1
Rim = 826.51

4.2
Rim = 823.91

4.3
Rim = 821.96

4.4
Rim = 820.90

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

72 L.F.-SSPRC CLASS III 18-INCH @ 0.37%
3.2 Inv. = 820.20
4.1 Inv. = 819.94

168 L.F.-SSPRC CLASS III 30-INCH @ 0.71%
4.1 Inv. = 818.94
4.2 Inv. = 817.74

148 L.F.-SSPRC CLASS IV 30-INCH @ 0.51%
4.2 Inv. = 817.74
4.3 Inv. = 816.99

201 L.F.-SSPRC CLASS IV 24-INCH @ 0.13%
4.3 Inv. = 816.99
4.4 Inv. = 817.25

EXISTING 15" SANITARY SEWER TO REMAIN

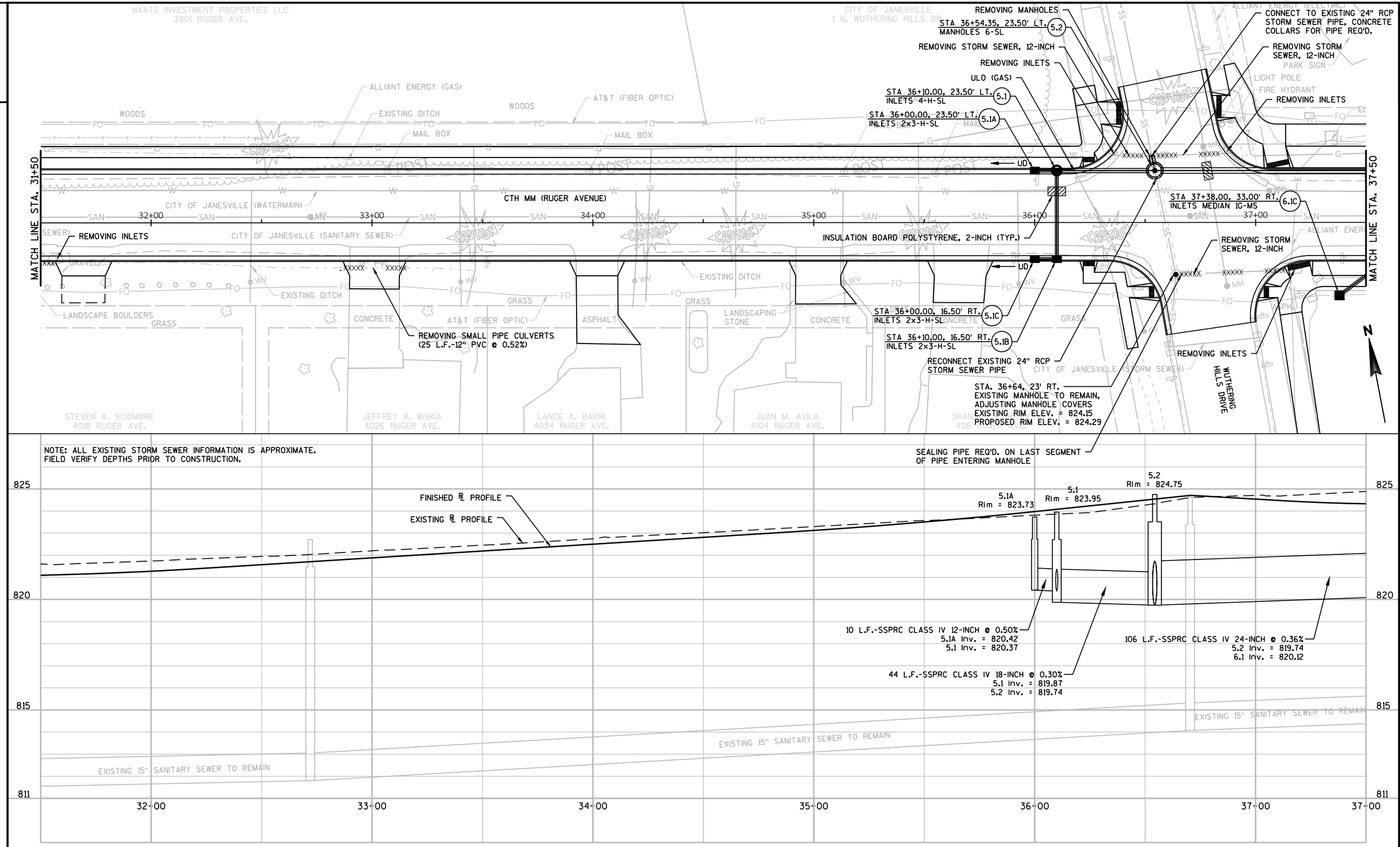
EXISTING 15" SANITARY SEWER TO REMAIN

825 820 815 811

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 47	E

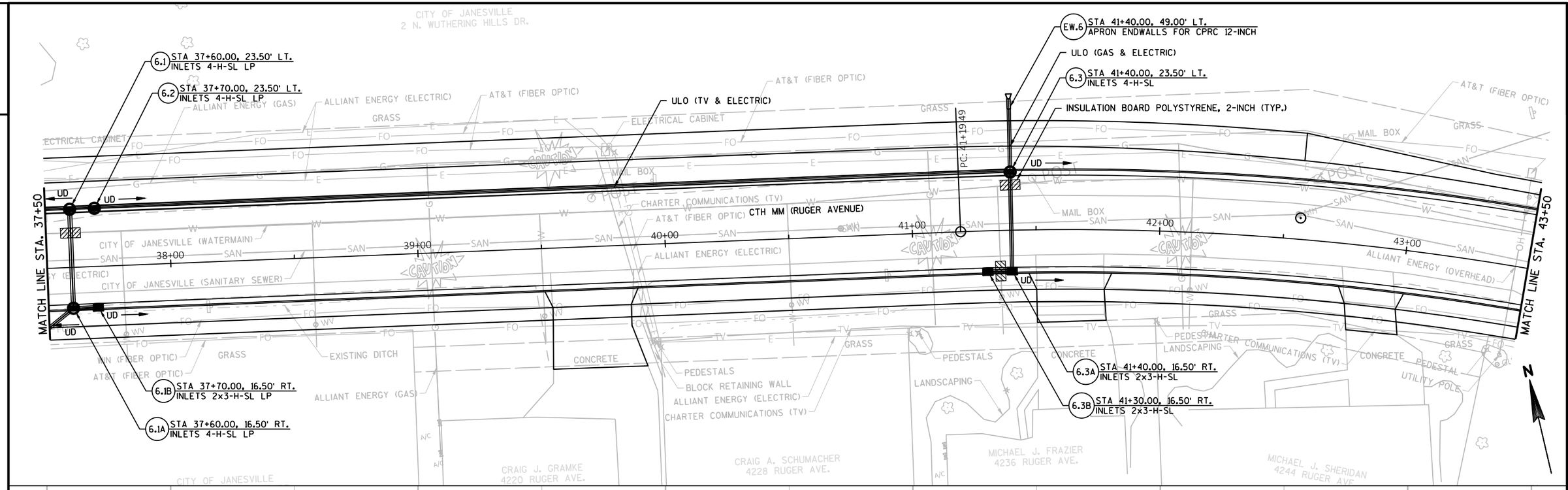
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LAYOUT NAME - 022504-ss

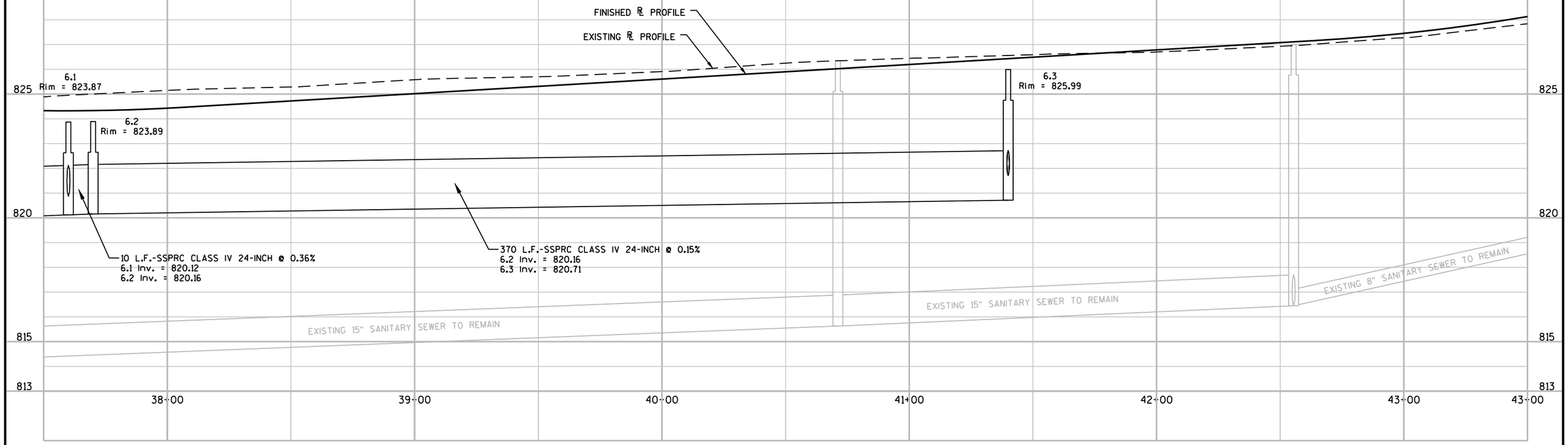
PLOT DATE : 10/30/2018 8:48 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 48	E

2



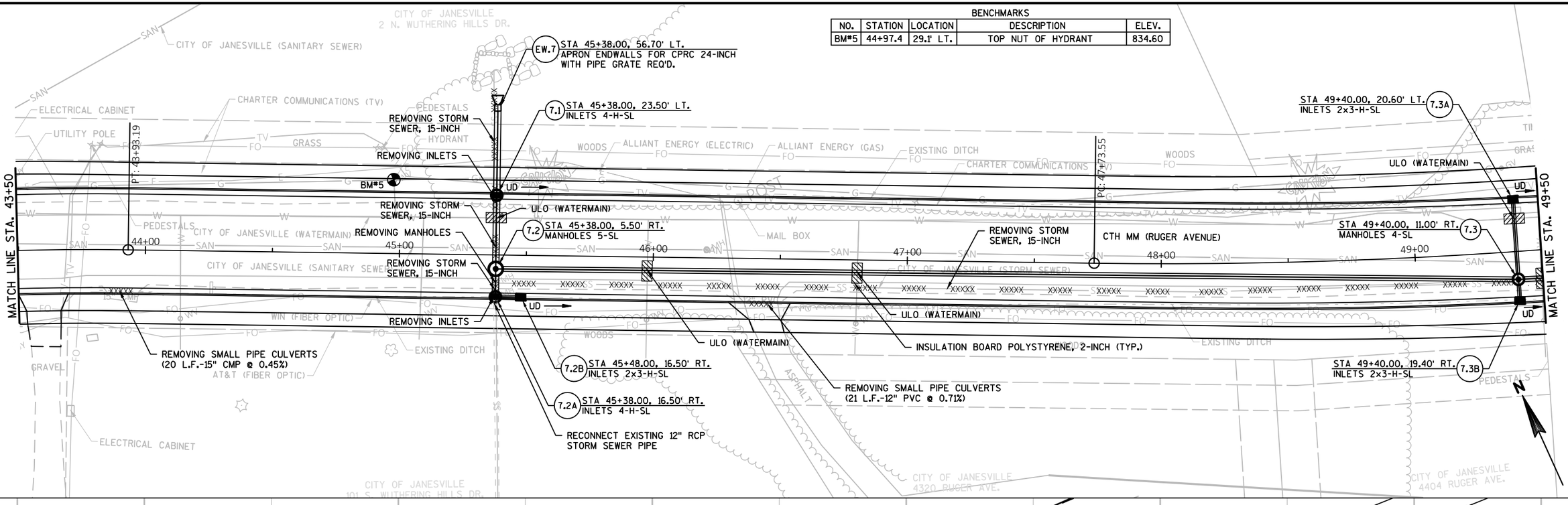


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 49	E

2

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*5	44+97.4	29.1' LT.	TOP NUT OF HYDRANT	834.60

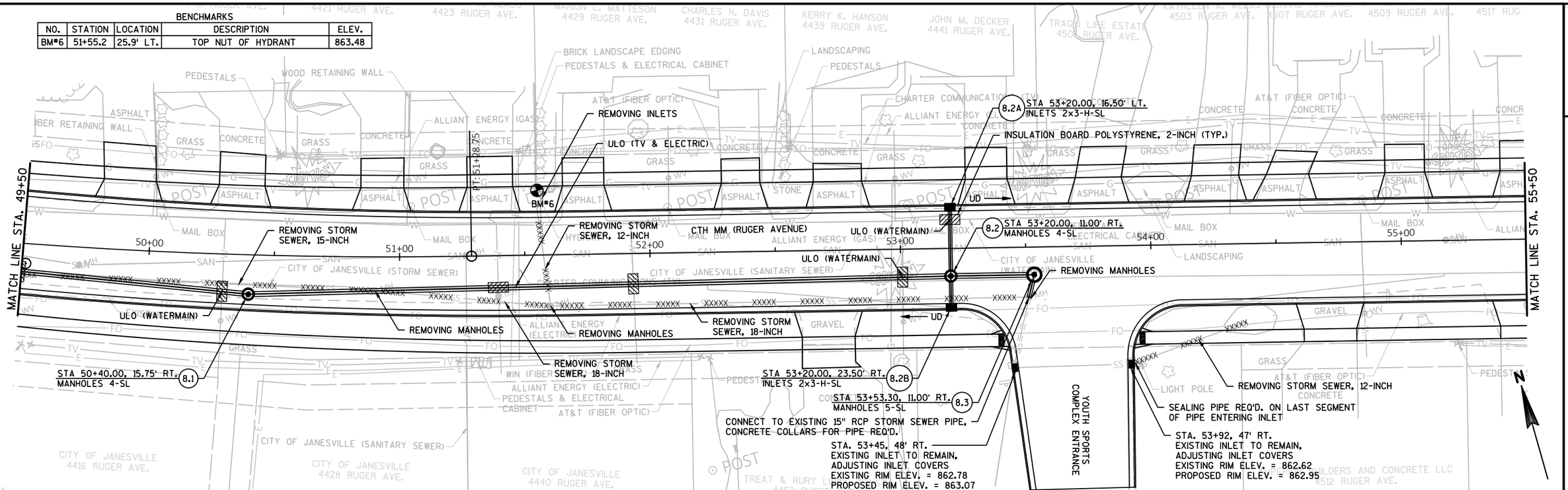


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 50	E

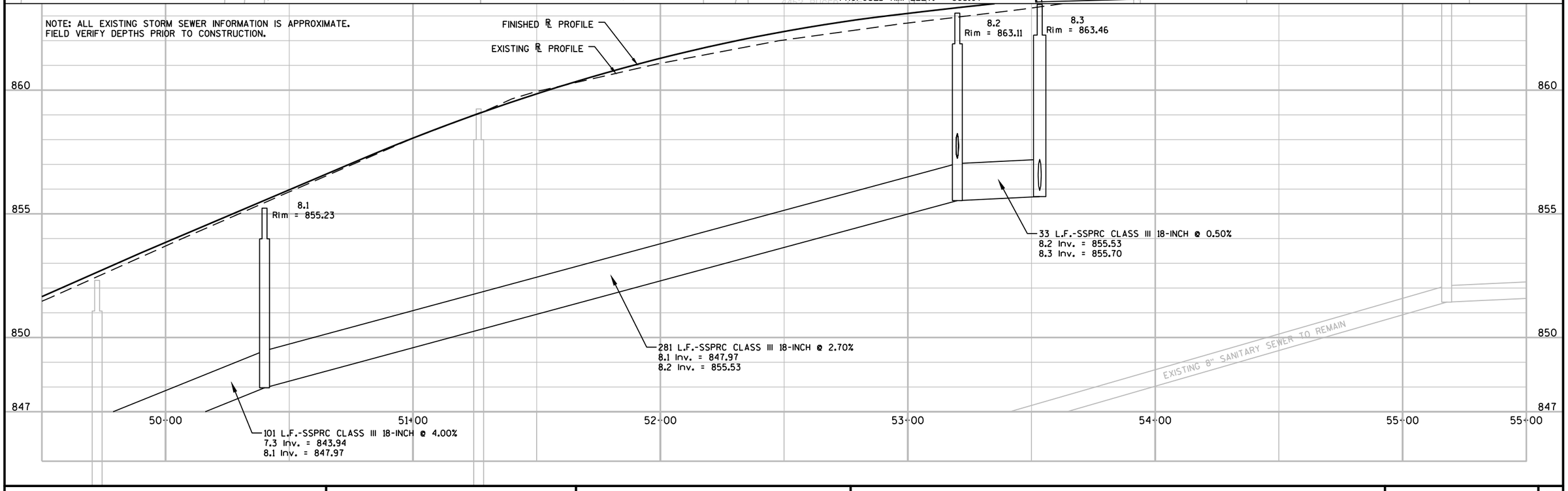
2

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*6	51+55.2	25.9' LT.	TOP NUT OF HYDRANT	863.48

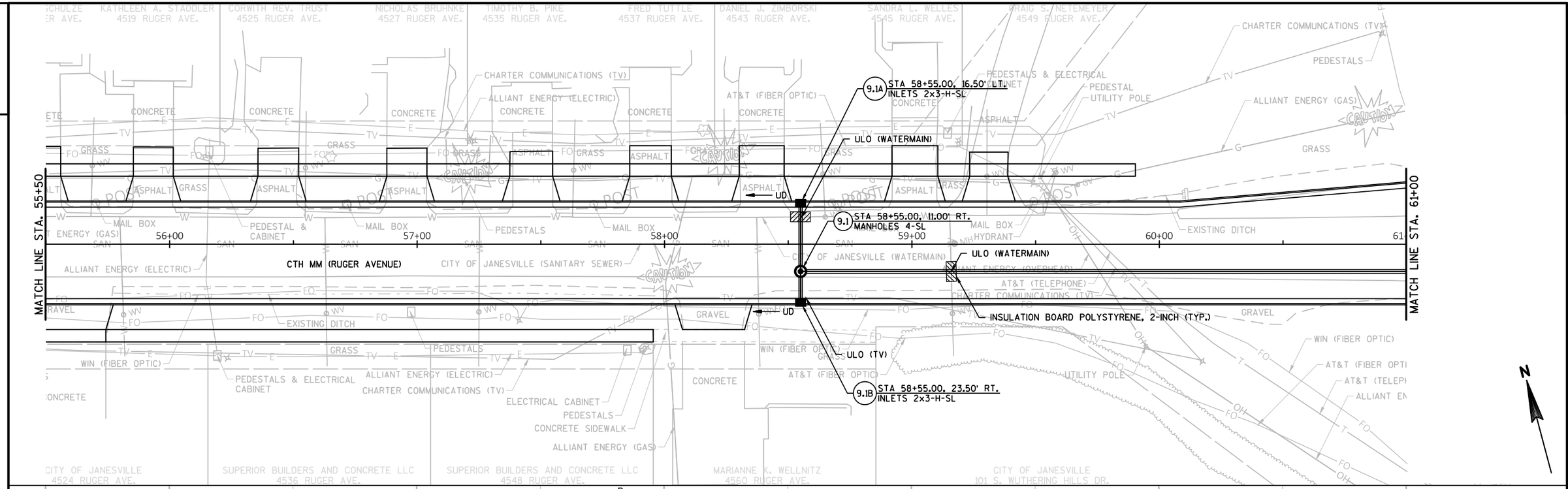


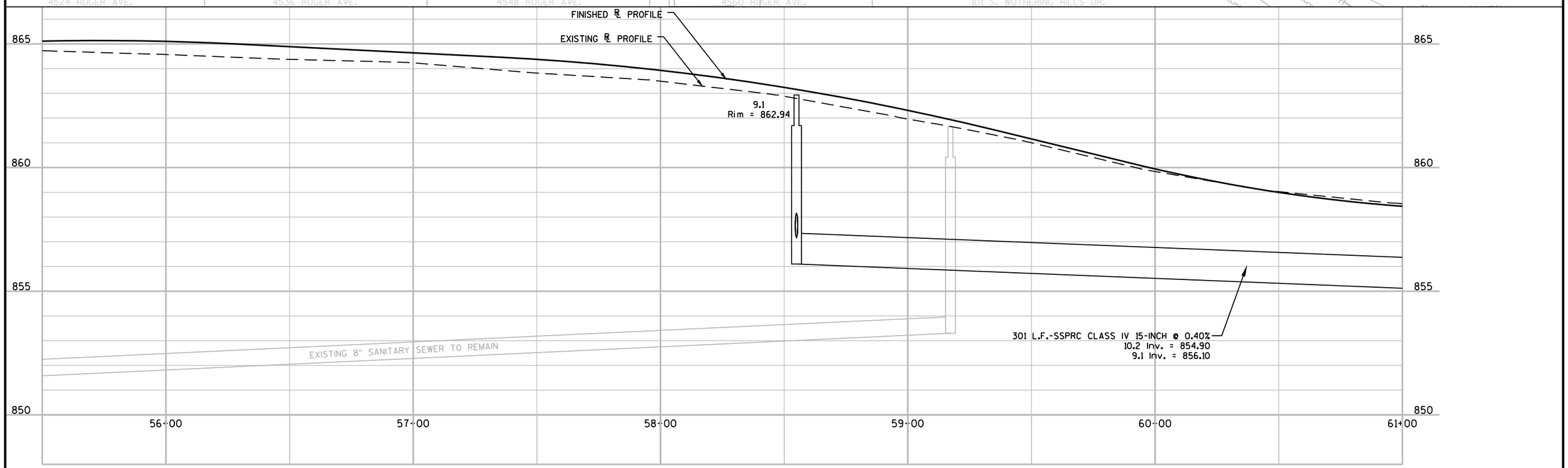
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 51	E

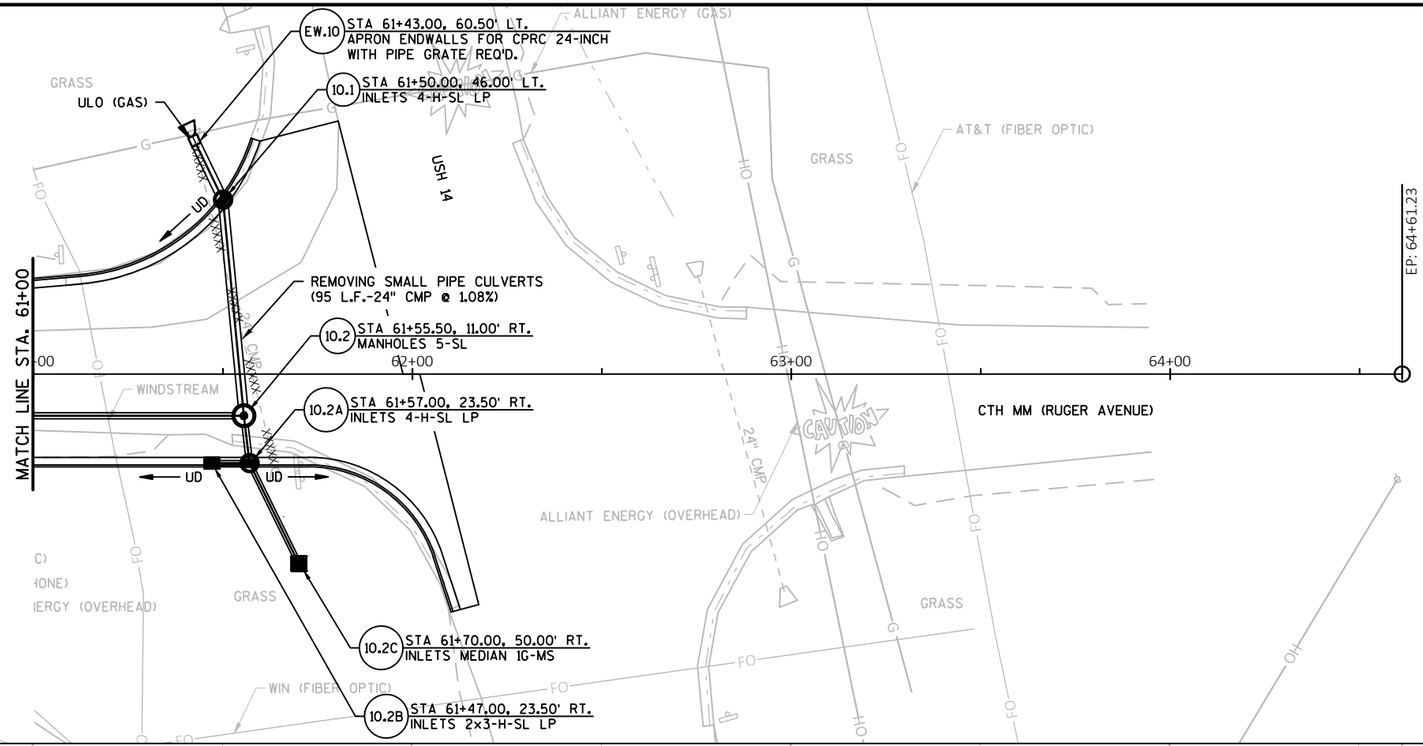
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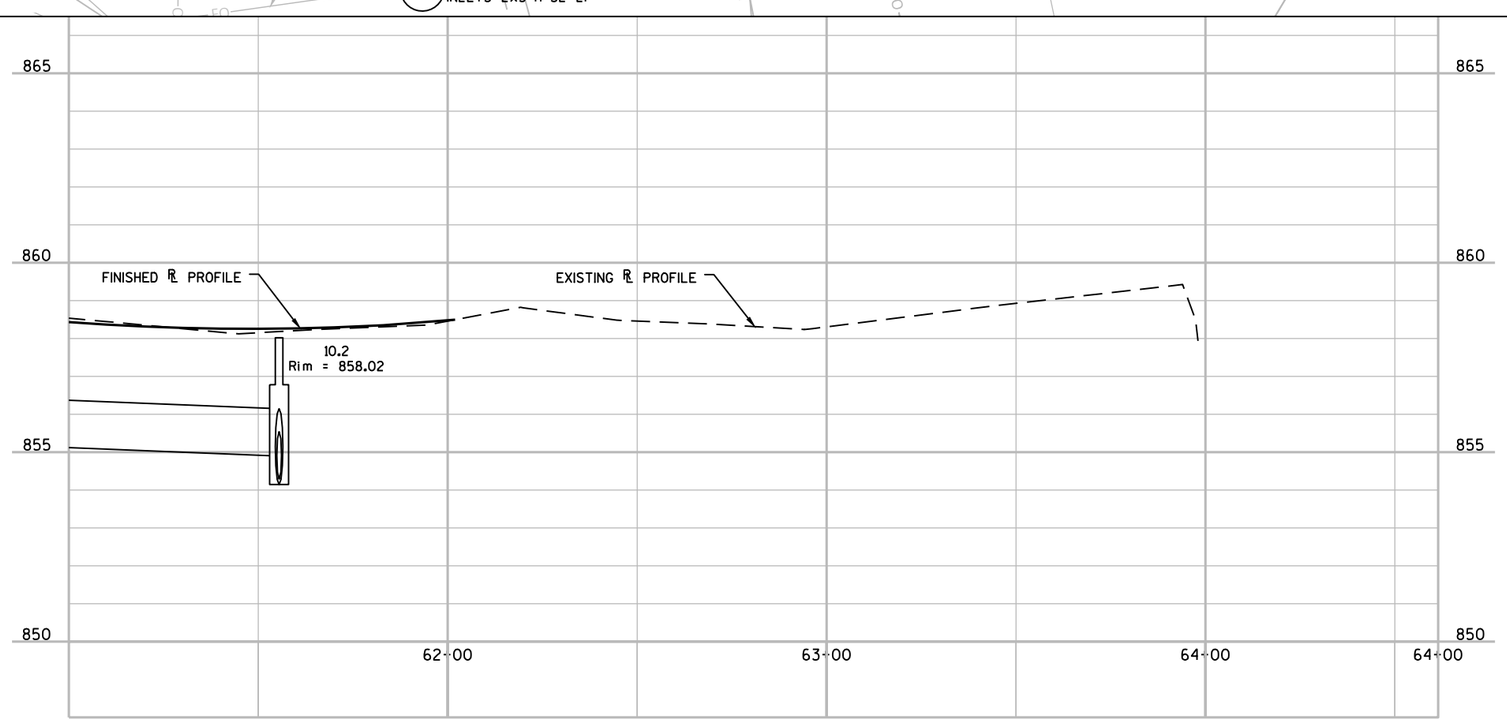




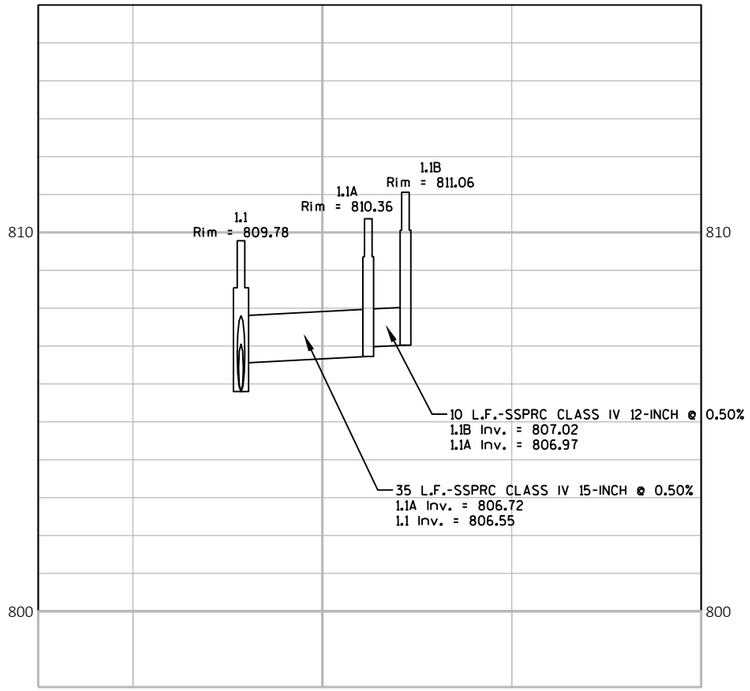
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 52	E

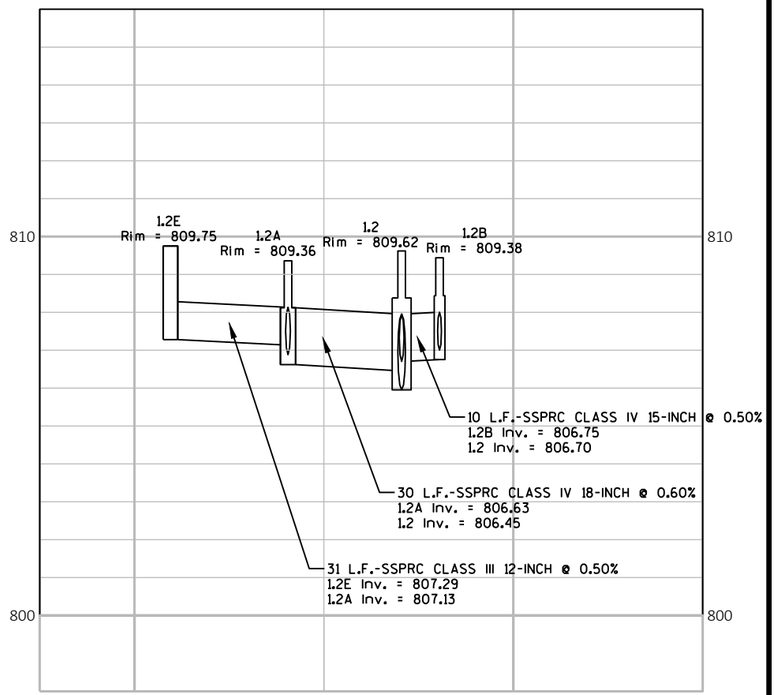
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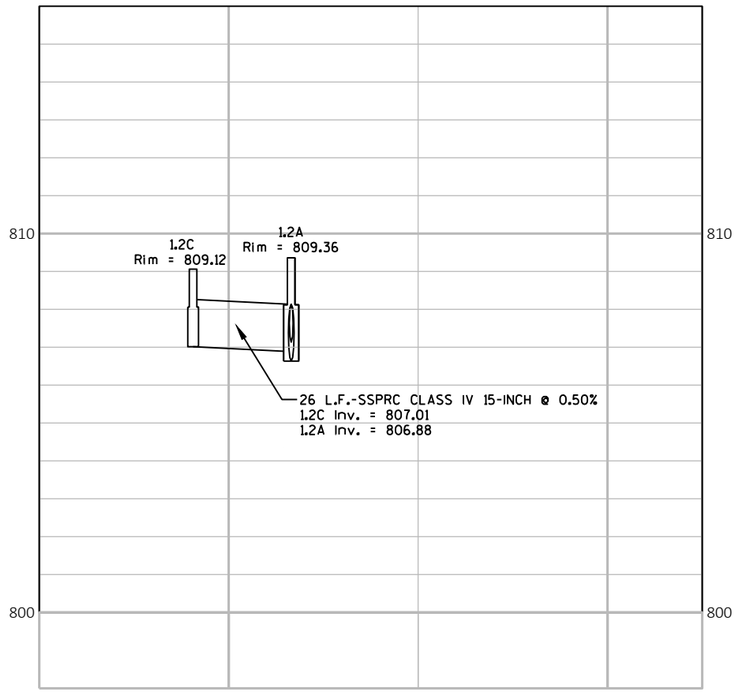


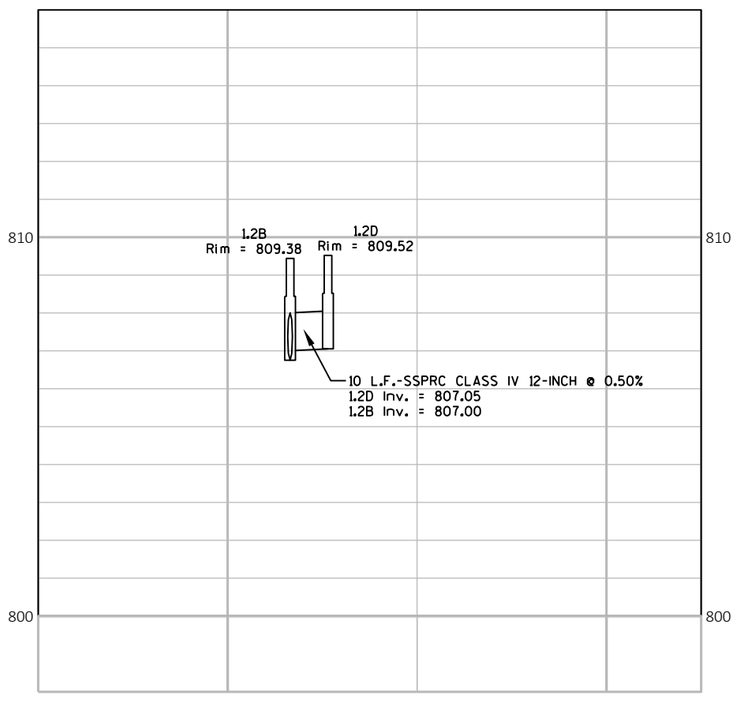


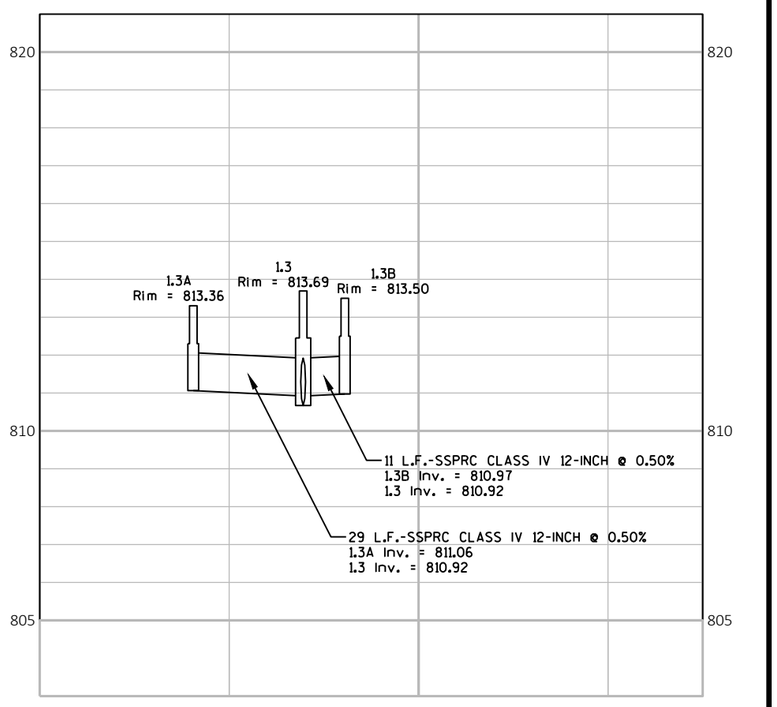
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 53	E

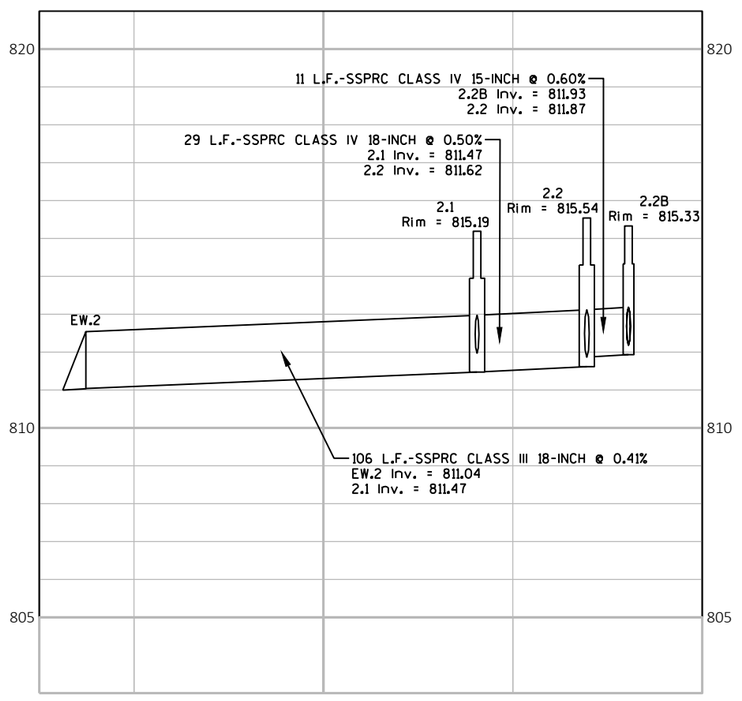

1.1
Rim = 809.78
1.1A
Rim = 810.36
1.1B
Rim = 811.06
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.1B Inv. = 807.02
1.1A Inv. = 806.97
35 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
1.1A Inv. = 806.72
1.1 Inv. = 806.55
810
800

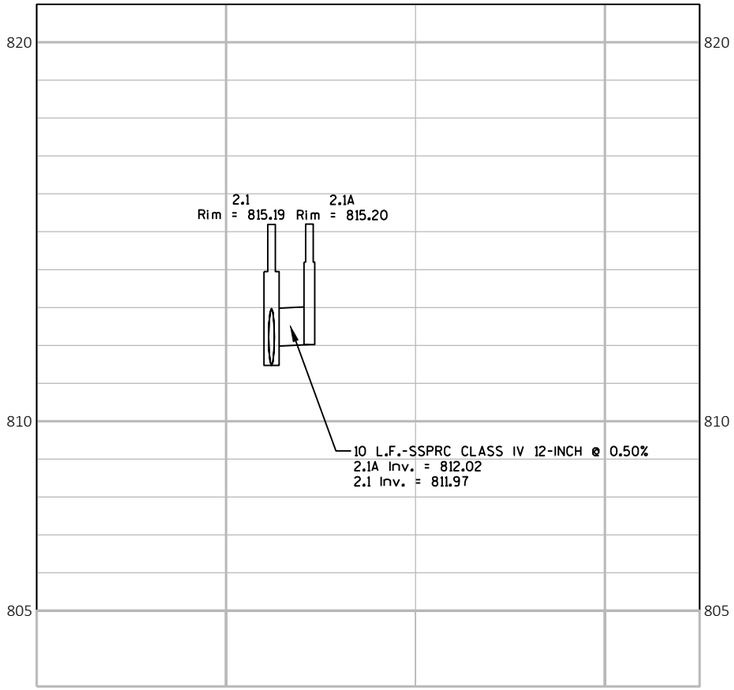

1.2E
Rim = 809.75
1.2A
Rim = 809.36
1.2
Rim = 809.62
1.2B
Rim = 809.38
10 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
1.2B Inv. = 806.75
1.2 Inv. = 806.70
30 L.F.-SSPRC CLASS IV 18-INCH @ 0.60%
1.2A Inv. = 806.63
1.2 Inv. = 806.45
31 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
1.2E Inv. = 807.29
1.2A Inv. = 807.13
810
800

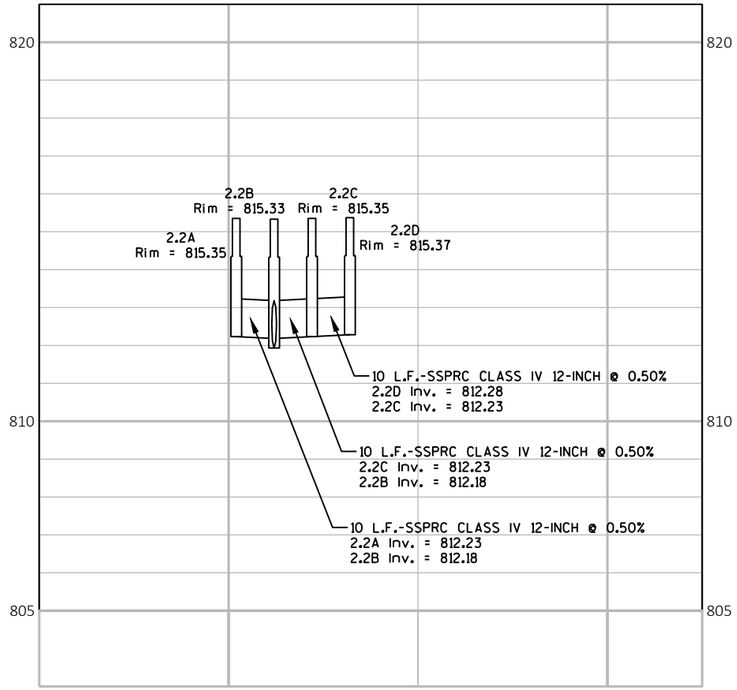

1.2C
Rim = 809.12
1.2A
Rim = 809.36
26 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
1.2C Inv. = 807.01
1.2A Inv. = 806.88
810
800

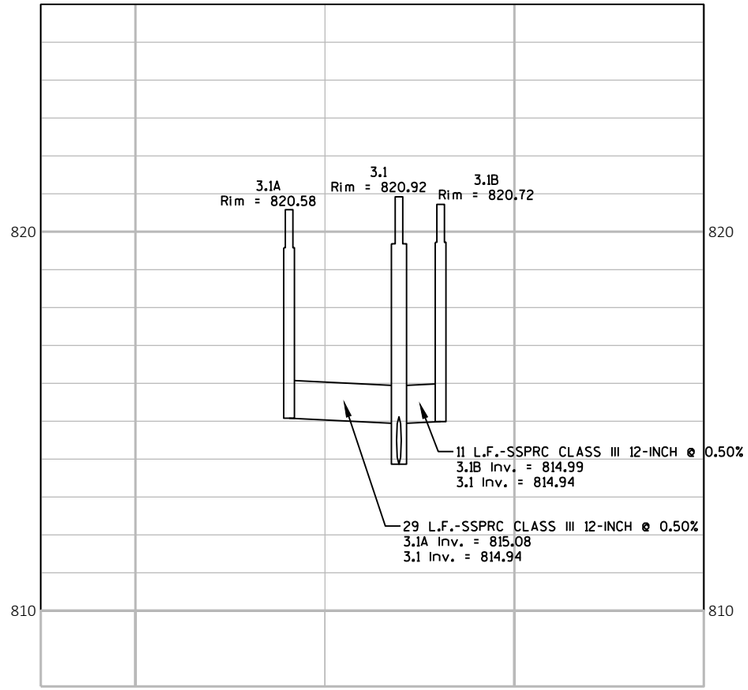

1.2B
Rim = 809.38
1.2D
Rim = 809.52
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.2D Inv. = 807.05
1.2B Inv. = 807.00
810
800

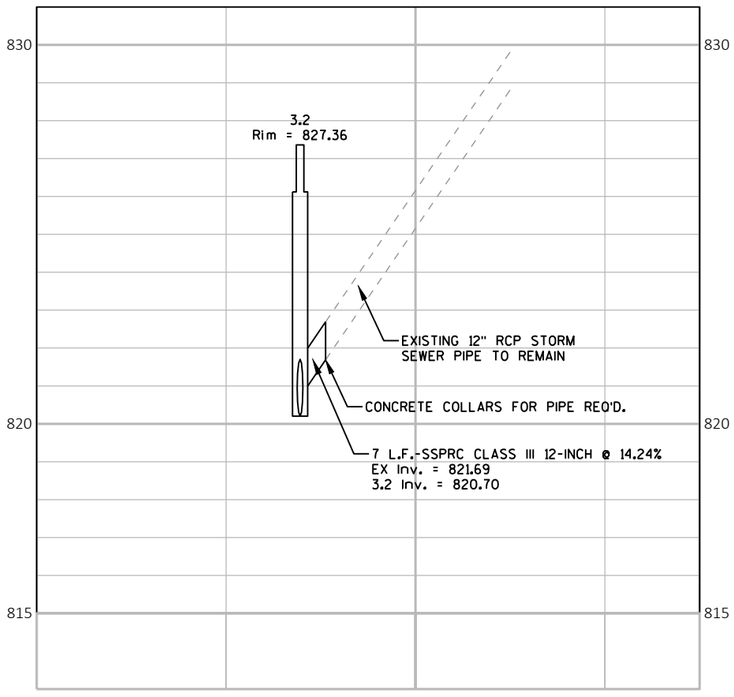

1.3A
Rim = 813.36
1.3
Rim = 813.69
1.3B
Rim = 813.50
11 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.3B Inv. = 810.97
1.3 Inv. = 810.92
29 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.3A Inv. = 811.06
1.3 Inv. = 810.92
820
810
805

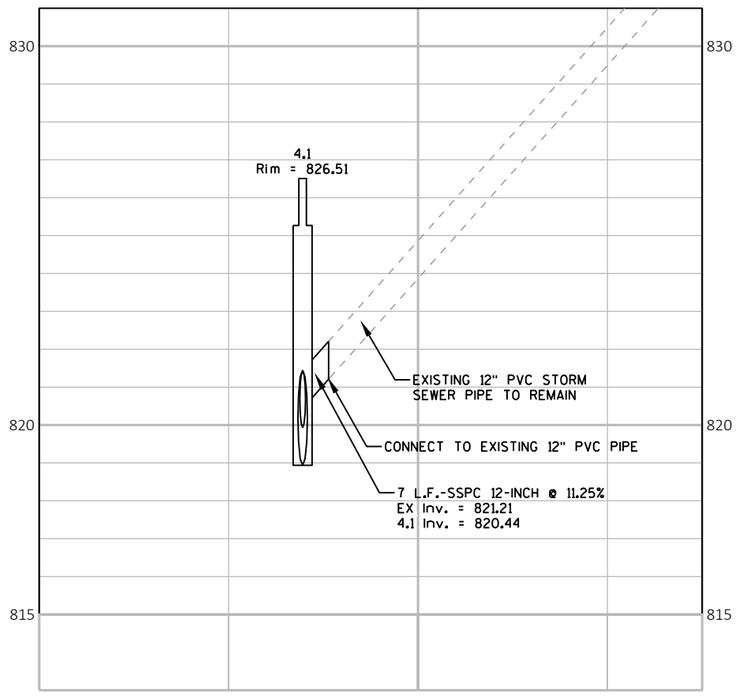

11 L.F.-SSPRC CLASS IV 15-INCH @ 0.60%
2.2B Inv. = 811.93
2.2 Inv. = 811.87
29 L.F.-SSPRC CLASS IV 18-INCH @ 0.50%
2.1 Inv. = 811.47
2.2 Inv. = 811.62
2.1
Rim = 815.19
2.2
Rim = 815.54
2.2B
Rim = 815.33
EW.2
106 L.F.-SSPRC CLASS III 18-INCH @ 0.41%
EW.2 Inv. = 811.04
2.1 Inv. = 811.47
820
810
805

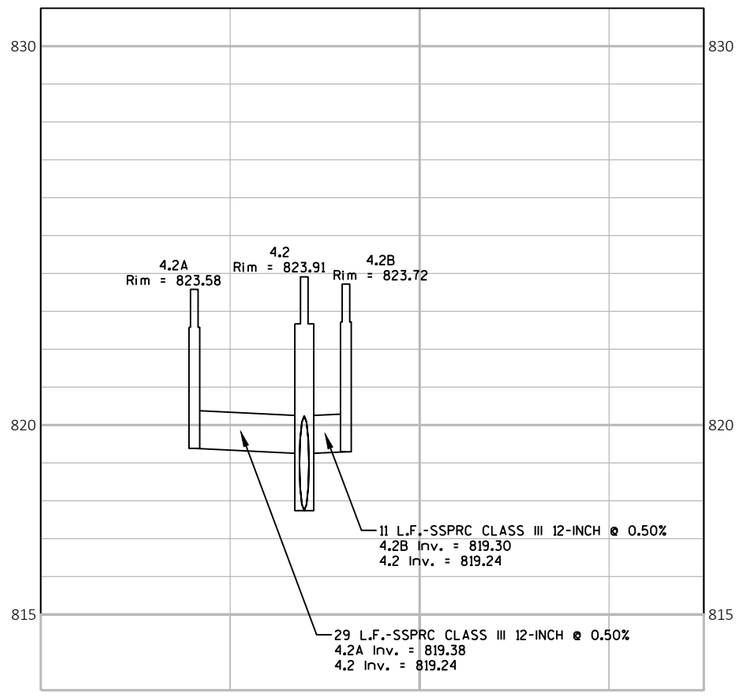

820
810
805
2.1
Rim = 815.19
2.1A
Rim = 815.20
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.1A Inv. = 812.02
2.1 Inv. = 811.97

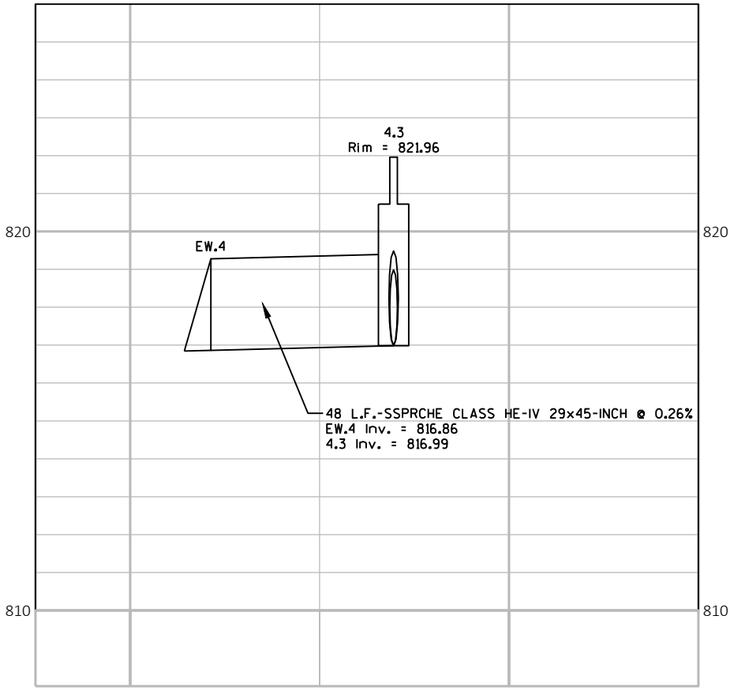

820
810
805
2.2A
Rim = 815.35
2.2B
Rim = 815.33
2.2C
Rim = 815.35
2.2D
Rim = 815.37
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2D Inv. = 812.28
2.2C Inv. = 812.23
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2C Inv. = 812.23
2.2B Inv. = 812.18
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2A Inv. = 812.23
2.2B Inv. = 812.18

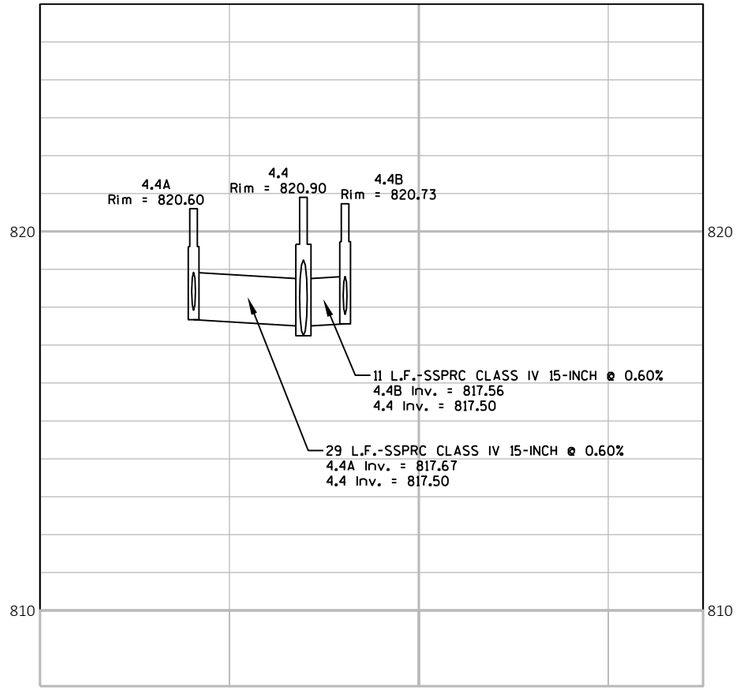

820
810
3.1A
Rim = 820.58
3.1
Rim = 820.92
3.1B
Rim = 820.72
11 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
3.1B Inv. = 814.99
3.1 Inv. = 814.94
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
3.1A Inv. = 815.08
3.1 Inv. = 814.94

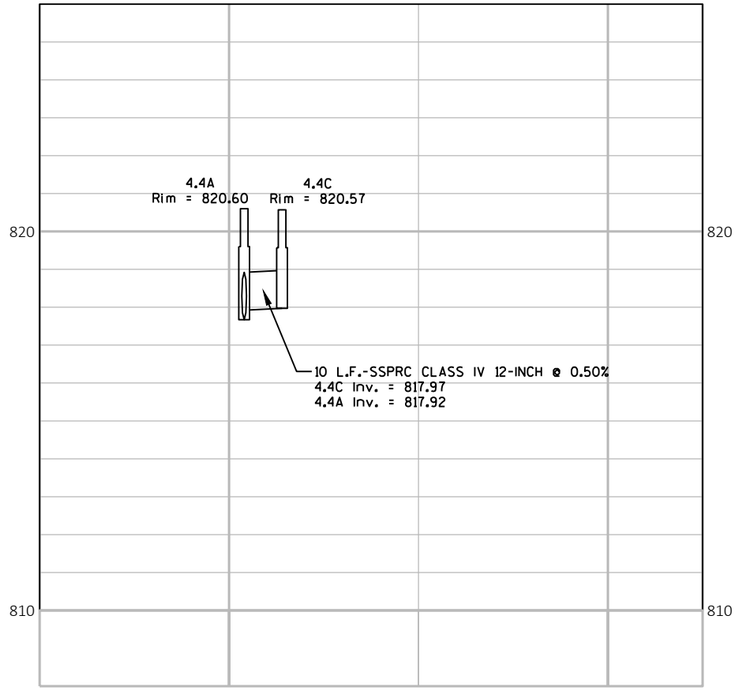

830
820
815
3.2
Rim = 827.36
EXISTING 12" RCP STORM
SEWER PIPE TO REMAIN
CONCRETE COLLARS FOR PIPE REQ'D.
7 L.F.-SSPRC CLASS III 12-INCH @ 14.24%
EX Inv. = 821.69
3.2 Inv. = 820.70

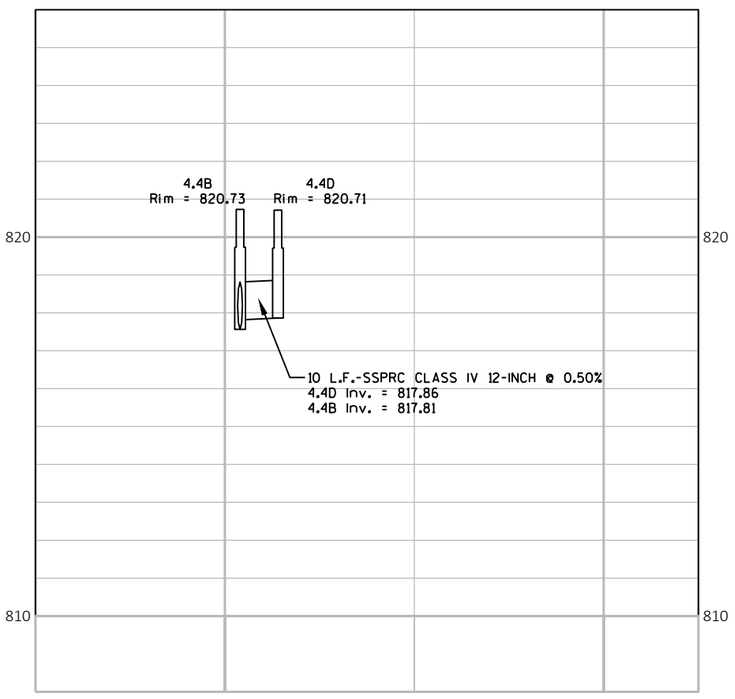

830
820
815
4.1
Rim = 826.51
EXISTING 12" PVC STORM
SEWER PIPE TO REMAIN
CONNECT TO EXISTING 12" PVC PIPE
7 L.F.-SSPC 12-INCH @ 11.25%
EX Inv. = 821.21
4.1 Inv. = 820.44

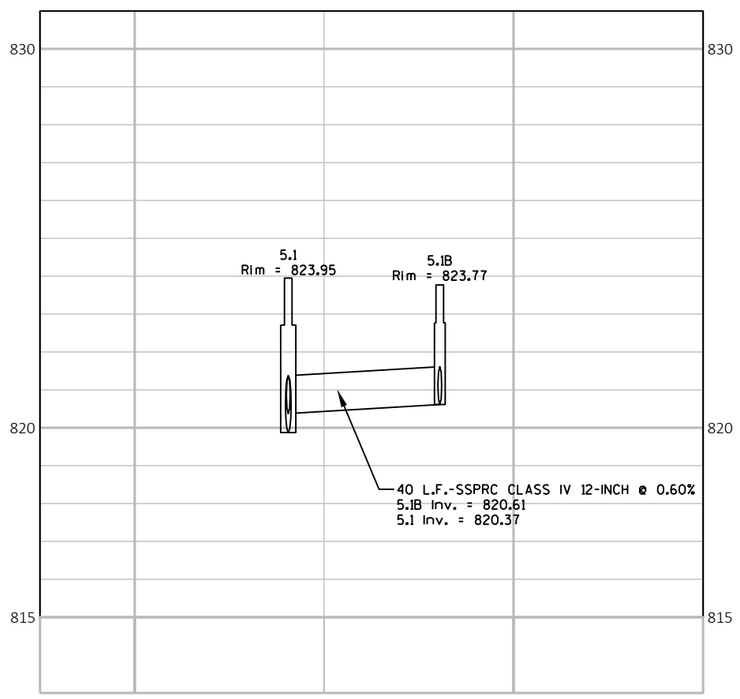

830
820
815
4.2A
Rim = 823.58
4.2
Rim = 823.91
4.2B
Rim = 823.72
11 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
4.2B Inv. = 819.30
4.2 Inv. = 819.24
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
4.2A Inv. = 819.38
4.2 Inv. = 819.24

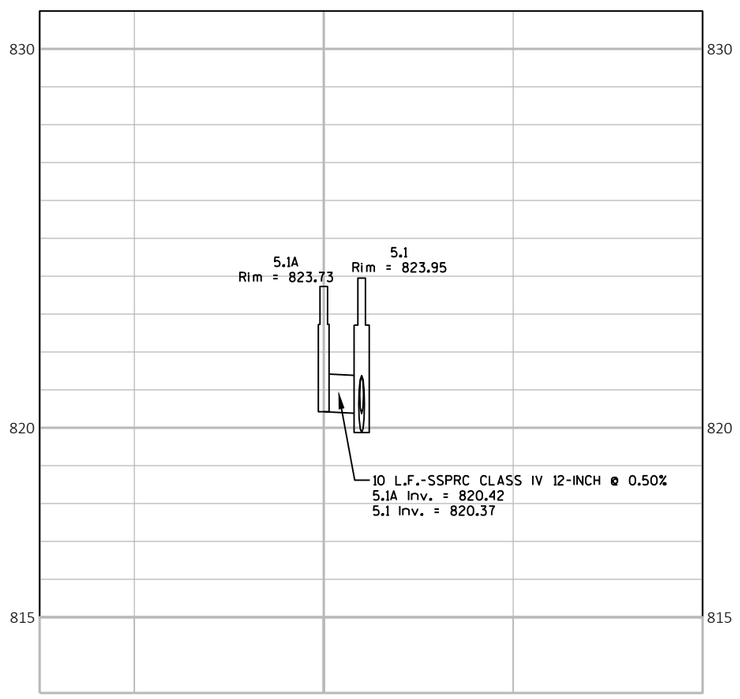

4.3
Rim = 821.96
EW.4
820
810
48 L.F.-SSPRCHE CLASS HE-IV 29x45-INCH @ 0.26%
EW.4 Inv. = 816.86
4.3 Inv. = 816.99

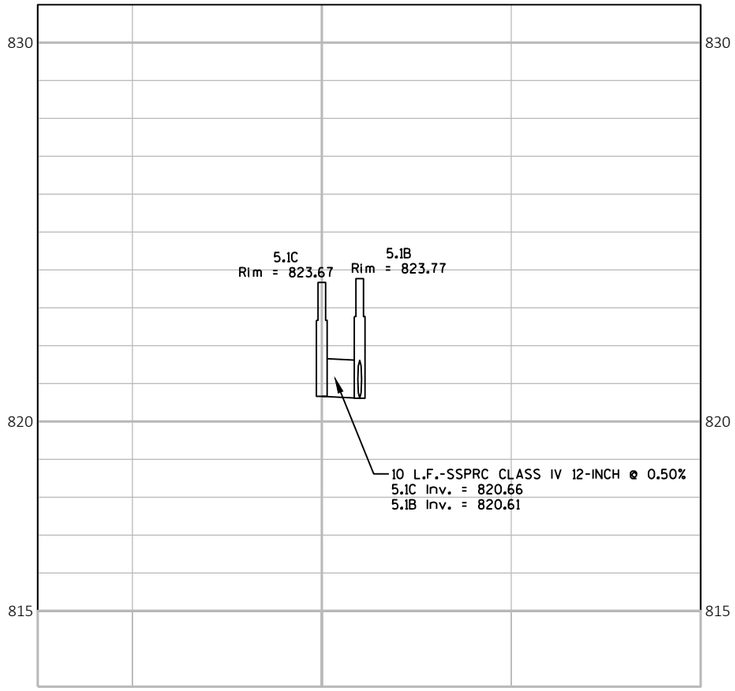

4.4A
Rim = 820.60
4.4
Rim = 820.90
4.4B
Rim = 820.73
820
810
11 L.F.-SSPRC CLASS IV 15-INCH @ 0.60%
4.4B Inv. = 817.56
4.4 Inv. = 817.50
29 L.F.-SSPRC CLASS IV 15-INCH @ 0.60%
4.4A Inv. = 817.67
4.4 Inv. = 817.50

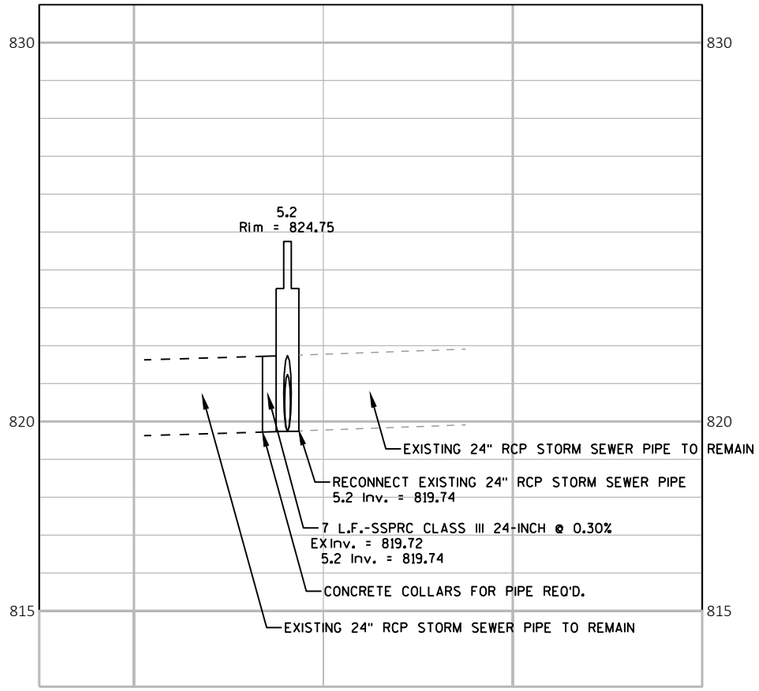

4.4A
Rim = 820.60
4.4C
Rim = 820.57
820
810
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
4.4C Inv. = 817.97
4.4A Inv. = 817.92

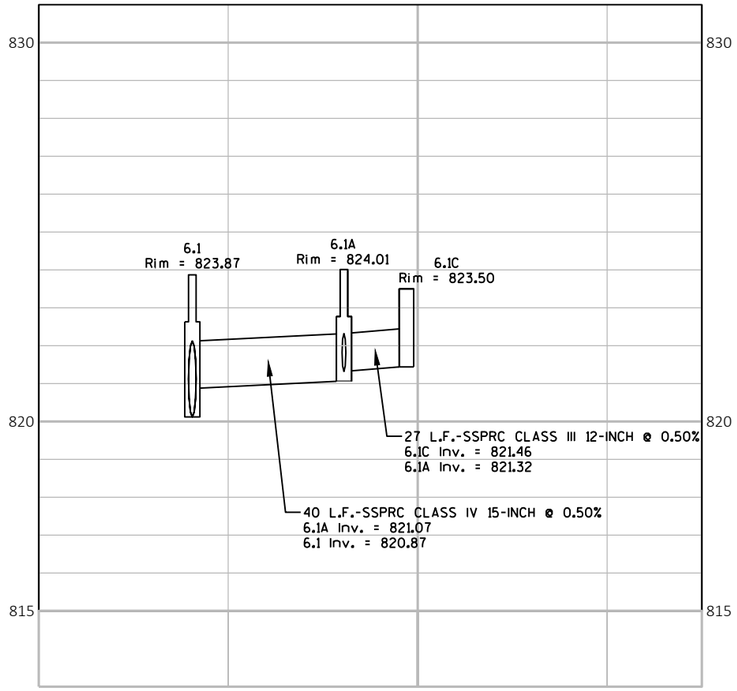

4.4B
Rim = 820.73
4.4D
Rim = 820.71
820
810
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
4.4D Inv. = 817.86
4.4B Inv. = 817.81

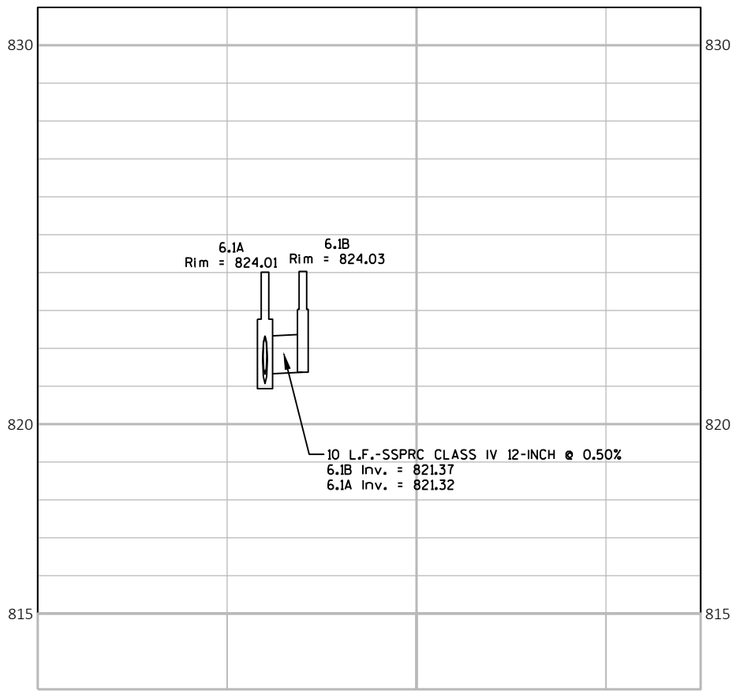

5.1
Rim = 823.95
5.1B
Rim = 823.77
830
820
815
40 L.F.-SSPRC CLASS IV 12-INCH @ 0.60%
5.1B Inv. = 820.61
5.1 Inv. = 820.37

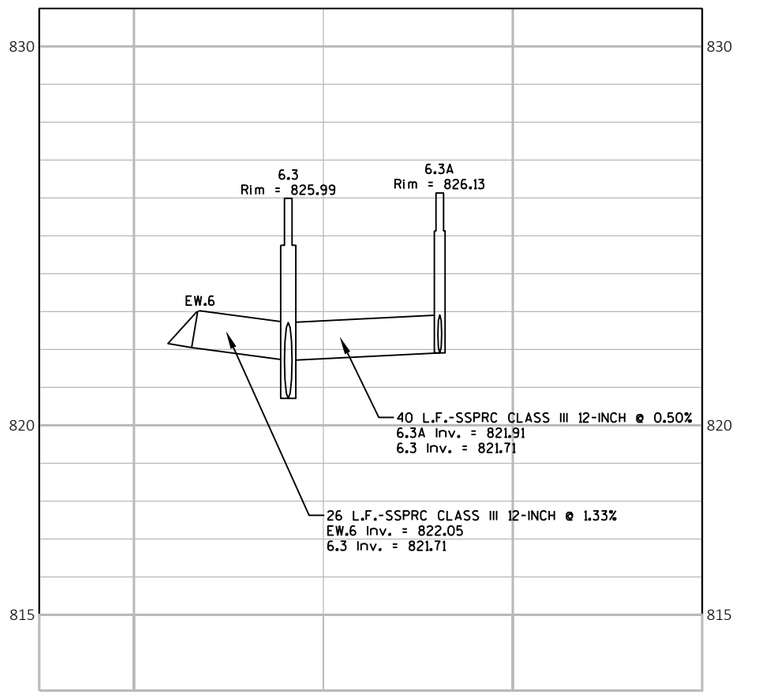

5.1A
Rim = 823.73
5.1
Rim = 823.95
830
820
815
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
5.1A Inv. = 820.42
5.1 Inv. = 820.37

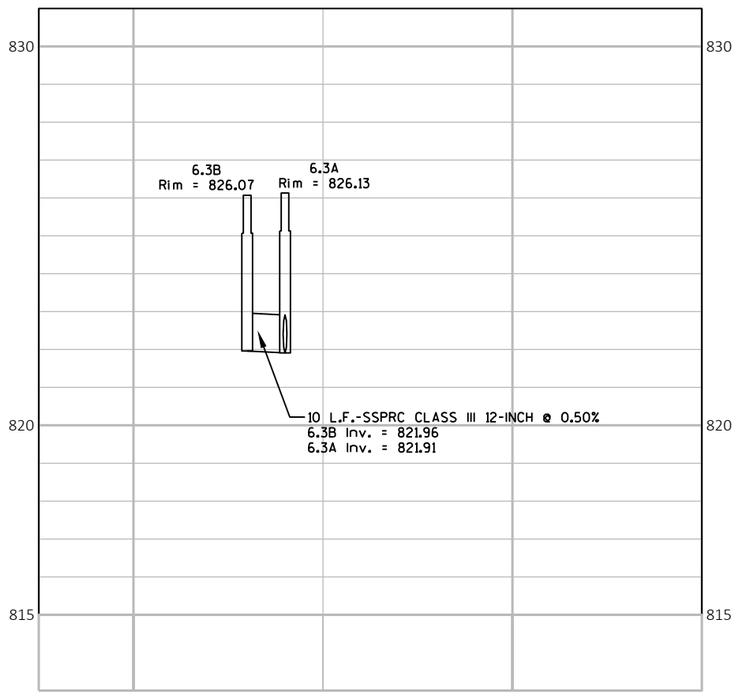






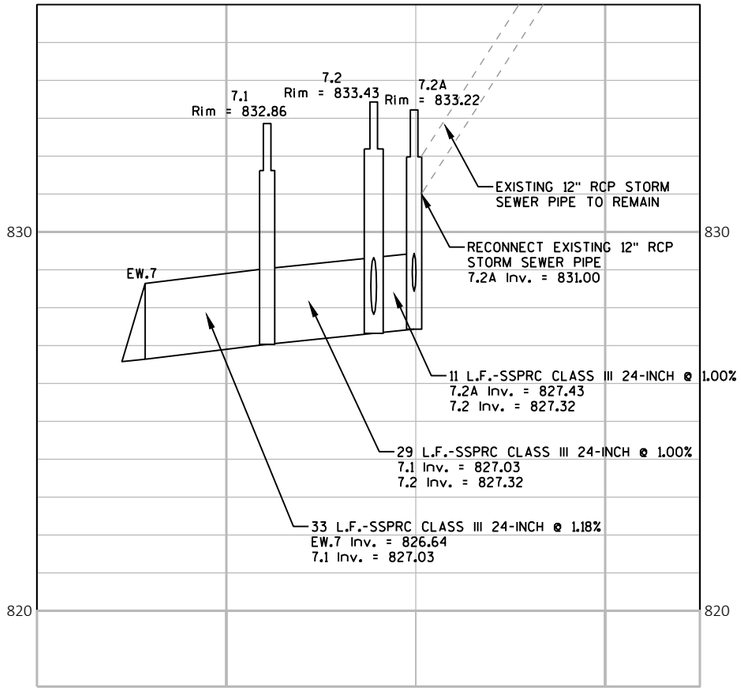


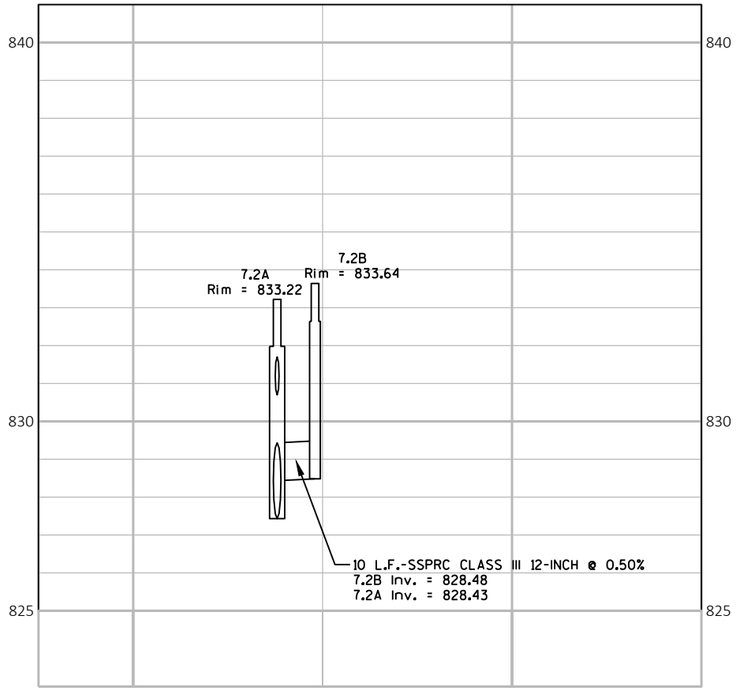


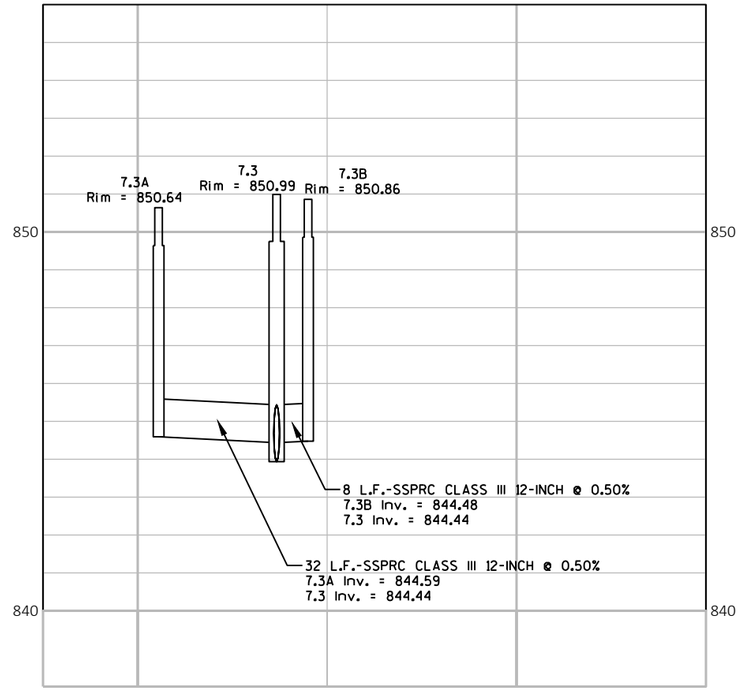


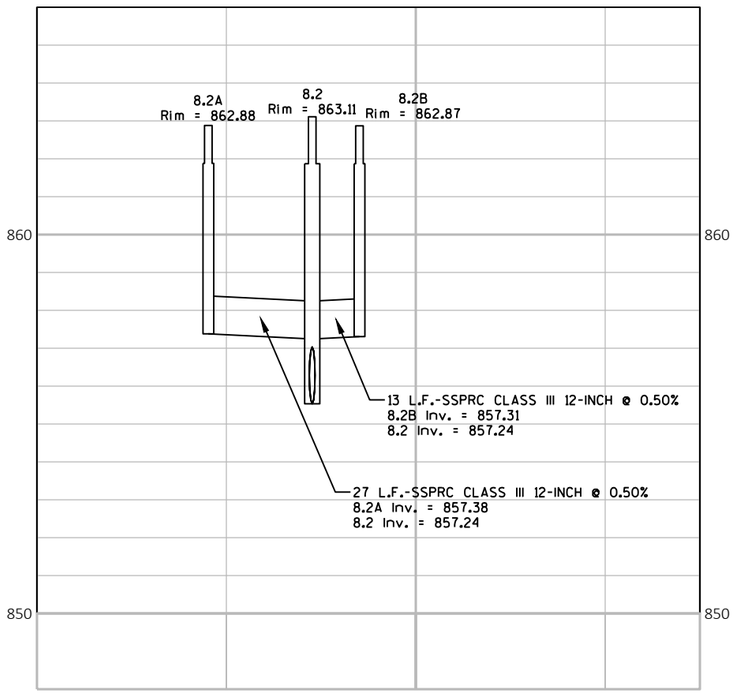
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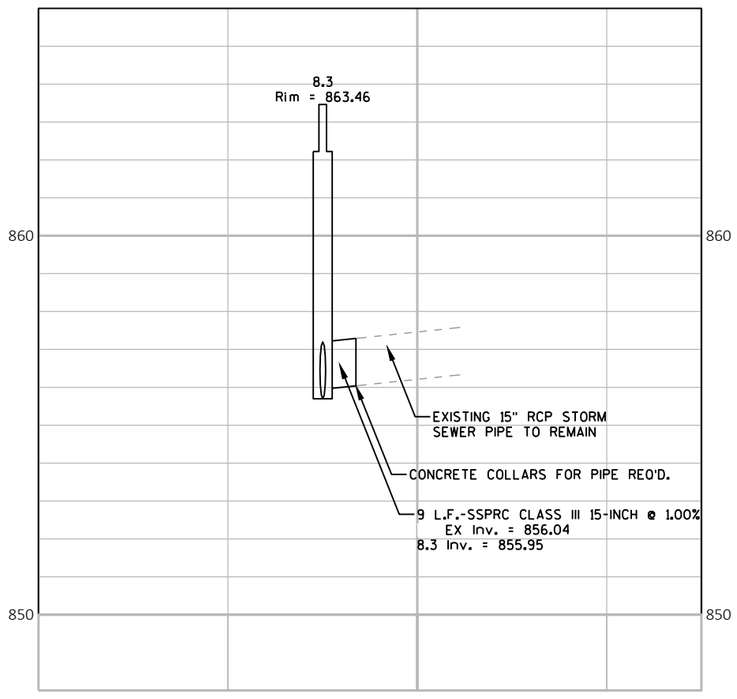
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 57	E

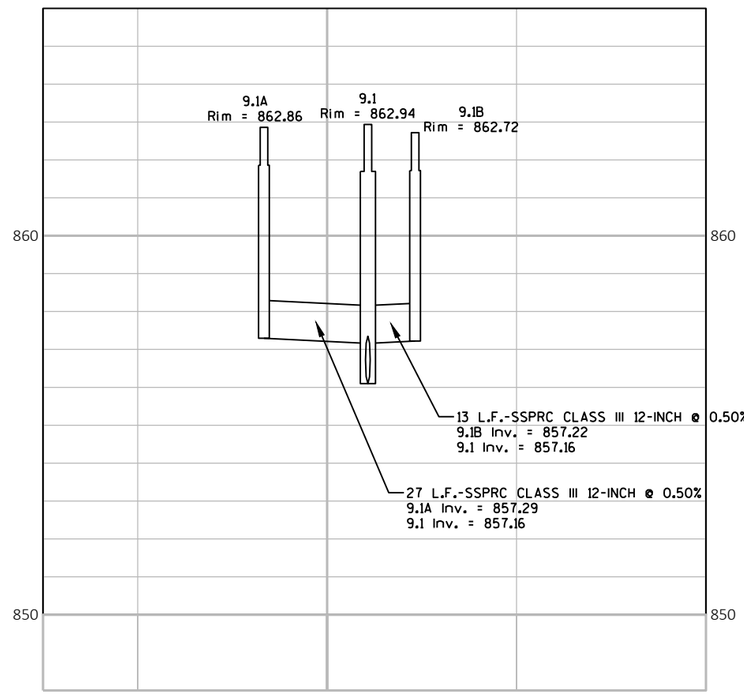




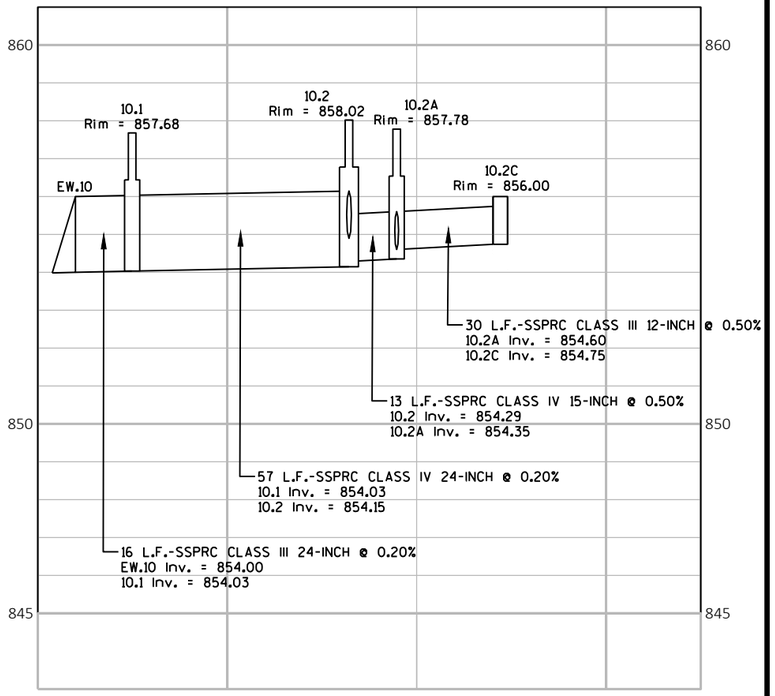


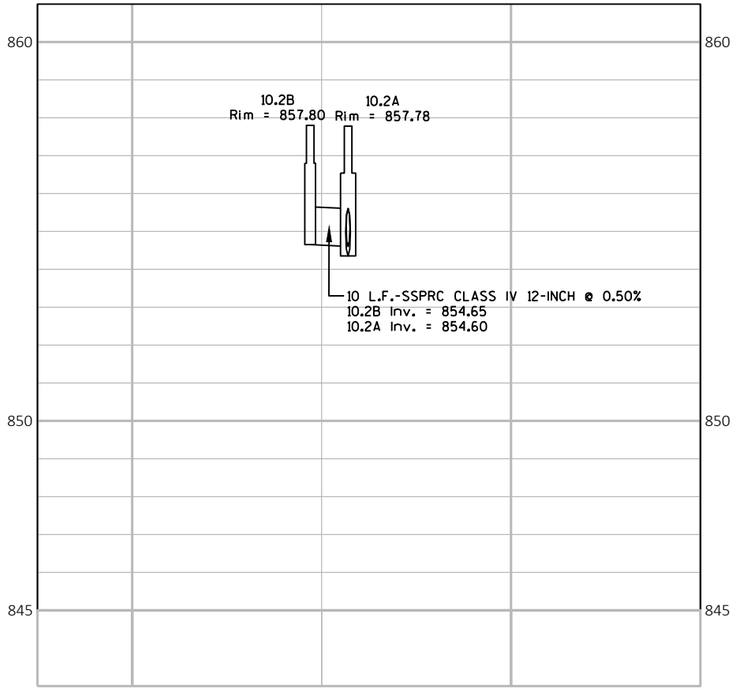






PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 58	E





2

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	STORM SEWER	SHEET 59	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022516-ss
PLOT DATE : 10/30/2018 8:50 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 41

NOTE: ALL EXISTING SANITARY SEWER MANHOLE STRUCTURES ARE 4' DIAMETER

STA. 8+26, 15' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 809.69
EXISTING ADJUSTMENT = 11"
PROPOSED RIM ELEV. = 809.58

STA. 8+68, 1' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 810.48
EXISTING ADJUSTMENT = 10.5"
PROPOSED RIM ELEV. = 810.39

STA. 9+77.0, 32.1' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 812.18
PROPOSED RIM ELEV. = 812.13

STA. 11+07.6, 33.0' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 813.56
PROPOSED RIM ELEV. = 813.34

STA. 12+16.1, 33.5' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 815.36
PROPOSED RIM ELEV. = 814.15

STA. 12+64, 4' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 814.72
EXISTING ADJUSTMENT = 10.5"
PROPOSED RIM ELEV. = 814.06

MATCH LINE STA. 13+50

STA. 8+60.8, 26.8' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 812.13
PROPOSED RIM ELEV. = 811.52

STA. 10+42.2, 22.9' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 813.48
PROPOSED RIM ELEV. = 812.97

STA. 11+58.3, 26.4' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 813.98
PROPOSED RIM ELEV. = 814.08

EXISTING CURB STOP TO BE RELOCATED BY OTHERS DURING CONSTRUCTION

STA. 13+08.5, 34.6' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 814.88
PROPOSED RIM ELEV. = 814.59

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 60 E

2

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STA. 14+16.2, 32.8' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 814.59
PROPOSED RIM ELEV. = 815.09

STA. 15+23.2, 32.2' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 816.63
PROPOSED RIM ELEV. = 815.85

STA. 16+68.8, 34.1' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 816.00
PROPOSED RIM ELEV. = 815.92

STA. 16+66, 4' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 816.27
EXISTING ADJUSTMENT = 12.25"
PROPOSED RIM ELEV. = 815.67

STA. 19+21.7, 33.0' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 817.57
PROPOSED RIM ELEV. = 817.45

ETER J. SKELLY
707 RUGER AVE.

PETER J. SKELLY
3713 RUGER AVE.

MARKLEIN BUILDERS INC.
3725 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

CHARTER COMMUNICATIONS

ALLIANT ENERGY (ELECTRIC)

PEDESTALS & ELECTRICAL CABINET

CONCRETE

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

ELECTRIC CABINET

PEDESTAL

UTILITY POLE

ALLIANT ENERGY (OVERHEAD)

GRASS

WOODS

GRAVEL

EXISTING DITCH

15" CMP

MAIL BOX

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

CTH MM (RUGER AVENUE)

MATCH LINE STA. 13+50

MATCH LINE STA. 19+50

14+00 15+00 16+00 17+00 18+00 19+00

SAN W WV FO G E TV GUY

EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

STA. 15+63.0, 27.6' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 816.42
PROPOSED RIM ELEV. = 816.04

EXISTING HYDRANT TO REMAIN

HYDRANT

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 18+37.4, 27.6' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 817.26
PROPOSED RIM ELEV. = 817.10

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 61	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023002-up

PLOT DATE : 12/27/2018 5:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

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NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

STA. 20+65, 2' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 819.38
EXISTING ADJUSTMENT = 9.25"
PROPOSED RIM ELEV. = 819.63

STA. 23+04, 3' LT.
RECONSTRUCTING MANHOLES,
(ADD BARREL SECTION)
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 824.88
EXISTING ADJUSTMENT = 9.8"
PROPOSED RIM ELEV. = 826.20

EXISTING HYDRANT TO REMAIN

ALLIANT ENERGY (ELECTRIC)
EXISTING DITCH
BUSHES
GRAVEL
AT&T (FIBER OPTIC)
WOODS
ALLIANT ENERGY (GAS)
HYDRANT
WOODS
AT&T (FIBER (

MATCH LINE STA. 19+50

MAIL BOX
CITY OF JANESVILLE (WATERMAIN)
CITY OF JANESVILLE (SANITARY SEWER)
CTH MM (RUGER AVENUE)
CITY OF JANESVILLE (STORM SEWER)
MAIL BOX
MAIL BOX
CITY OF JANESVILLE (WATER

20+00 21+00 22+00 23+00 24+00 25+00

MATCH LINE STA. 25+50

EXISTING DITCH
GRASS
CONCRETE
GRAVEL
ALLIANT ENERGY (ELECTRIC)
WOODS
GRASS
ASPHALT
GRASS
ASPHALT
ASPHALT
WC

AT&T (FIBER OPTIC)

STA. 19+61.9, 26.1' RT.
EXISTING CURB STOP TO REMAIN,
NO ADJUSTMENT NECESSARY

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 20+51.1, 25.4' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 820.10
PROPOSED RIM ELEV. = 820.07

STA. 22+42.3, 26.4' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 827.68
PROPOSED RIM ELEV. = 826.30

STA. 23+51.6, 25.2' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 826.74
PROPOSED RIM ELEV. = 827.42

STA. 24+98, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 827.15
EXISTING ADJUSTMENT = 8.75"
PROPOSED RIM ELEV. = 827.47

NAATZ INVESTMENT PROPERTIES LLC
3818 RUGER AVE.

DENNIS J. WORTHING
3832 RUGER AVE.

MATTHEW NEHLS
3834 RUGER AVE.

CORA RUND
3838 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

CITY OF JANES
3908 RUGER /

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 62	E

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NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

STA. 25+97, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 826.09
EXISTING ADJUSTMENT = 2.2"
PROPOSED RIM ELEV. = 826.39

STA. 28+70, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 822.71
EXISTING ADJUSTMENT = 8"
PROPOSED RIM ELEV. = 822.39

EXISTING HYDRANT TO REMAIN

ALLIANT ENERGY (GAS)

WOODS

MAIL BOX

CTH MM (RUGER AVENUE)

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM

INSULATION BOARD
POLYSTYRENE, 2-INCH
(TYP.)

GRASS

EXISTING DITCH

AT&T (FIBER OPTIC)

LANDSCAPING

STA. 26+46.7
EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

STA. 27+31.5
EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

STA. 28+15.0
EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

STA. 28+96.5
EXISTING CURB STOP TO BE
RELOCATED BY OTHERS DURING
CONSTRUCTION

STA. 29+90.7, 28.5' RT.
EXISTING CURB STOP TO REMAIN,
NO ADJUSTMENT NECESSARY

STA. 30+75.0, 27.5' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 821.14
PROPOSED RIM ELEV. = 821.31

STA. 31+39.1, 26.6' RT.
EXISTING CURB STOP TO REMAIN,
NO ADJUSTMENT NECESSARY

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 63	E

2

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NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

WUTHERING HILLS DRIVE

ALLIANT ENERGY (ELECTRIC)

PARK SIGN

LIGHT POLE

FIRE HYDRANT

STA. 37+06, 14' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 824.55
EXISTING ADJUSTMENT = 13"
PROPOSED RIM ELEV. = 824.30

EXISTING HYDRANT TO REMAIN

STA. 36+76, 35' LT.
RECONSTRUCTING MANHOLES
(ADD BARREL SECTION)
EXISTING RIM ELEV. = 824.84
EXISTING ADJUSTMENT = 23"
PROPOSED RIM ELEV. = 824.73

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 32+72, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 822.04
EXISTING ADJUSTMENT = 8.75"
PROPOSED RIM ELEV. = 821.65

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

WOODS

EXISTING DITCH

MAIL BOX

CITY OF JANESVILLE (WATERMAIN)

CTH MM (RUGER AVENUE)

MATCH LINE STA. 31+50

MATCH LINE STA. 37+50

32+00 33+00 34+00 35+00 36+00 37+00

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

ALLIANT ENER

GRAVEL

LANDSCAPE BOULDERS

GRASS

CONCRETE

ASPHALT

LANDSCAPING STONE

STA. 32+44.9, 26.8' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 822.22
PROPOSED RIM ELEV. = 822.08

STA. 33+40.1, 26.7' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 822.56
PROPOSED RIM ELEV. = 823.19

STA. 34+18.9, 26.3' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 824.27
PROPOSED RIM ELEV. = 824.12

STA. 35+13.6, 26.9' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 823.53
PROPOSED RIM ELEV. = 823.66

STA. 35+92.8, 27.8' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 824.16
PROPOSED RIM ELEV. = 824.32

STEVEN A. SCIDMORE
4018 RUGER AVE.

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

STA. 36+70, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 824.63
EXISTING ADJUSTMENT = 12.5"
PROPOSED RIM ELEV. = 824.71

STA. 36+87, 29' RT.
RECONSTRUCTING MANHOLES
(ADD BARREL SECTION)
EXISTING RIM ELEV. = 824.44
EXISTING ADJUSTMENT = 19"
PROPOSED RIM ELEV. = 824.53

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 64	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023005-up

PLOT DATE : 12/27/2018 5:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

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CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

MATCH LINE STA. 37+50

MATCH LINE STA. 43+50

ALLIANT ENERGY (GAS)
ALLIANT ENERGY (ELECTRIC)
AT&T (FIBER OPTIC)
GRASS
ELECTRICAL CABINET
MAIL BOX
CHARTER COMMUNICATIONS (TV)
CITY OF JANESVILLE (WATERMAIN)
CTH MM (RUGER AVENUE)
CITY OF JANESVILLE (SANITARY SEWER)
ALLIANT ENERGY (OVERHEAD)
WIN (FIBER OPTIC)
EXISTING DITCH
CONCRETE
PEDESTALS
BLOCK RETAINING WALL
LANDSCAPING
UTILITY POLE

STA. 40+71, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 826.35
EXISTING ADJUSTMENT = 14"
PROPOSED RIM ELEV. = 825.96

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

PC: 41+19.49

STA. 42+55, 10' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 827.01
EXISTING ADJUSTMENT = 14"
PROPOSED RIM ELEV. = 826.91

STA. 37+81.0, 27.8' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 824.71
PROPOSED RIM ELEV. = 824.80
CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

STA. 38+57.6, 27.1' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 824.56
PROPOSED RIM ELEV. = 825.20
CRAIG J. GRAMKE
4220 RUGER AVE.

STA. 39+50.1, 27.3' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 826.08
PROPOSED RIM ELEV. = 825.74
CRAIG A. SCHUMACHER
4228 RUGER AVE.

STA. 40+50.0, 26.8' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 825.55
PROPOSED RIM ELEV. = 826.32
MICHAEL J. FRAZIER
4236 RUGER AVE.

STA. 41+35.5, 26.7' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 826.62
PROPOSED RIM ELEV. = 826.82

STA. 42+13.2, 23.2' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 826.97
PROPOSED RIM ELEV. = 827.15
MICHAEL J. SHERIDAN
4244 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 65	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023006-up

PLOT DATE : 12/27/2018 5:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

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CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

EXISTING HYDRANT TO REMAIN

STA. 46+21, 3' LT.
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 837.28
EXISTING ADJUSTMENT = 9.25"
PROPOSED RIM ELEV. = 837.04

ELECTRICAL CABINET

UTILITY POLE

CHARTER COMMUNICATIONS (TV)

PEDESTALS

HYDRANT

GRASS

WOODS

ALLIANT ENERGY (ELECTRIC)

ALLIANT ENERGY (GAS)

EXISTING DITCH

CHARTER COMMUNICATIONS

PT: 43+93.19

RC: 47+73.55

MATCH LINE STA. 43+50

MATCH LINE STA. 49+50

CITY OF JANESVILLE (WATERMAIN)

MAIL BOX

CTH MM (RUGER AVENUE)

44+00

45+00

46+00

47+00

48+00

49+00

CITY OF JANESVILLE (STORM SEWER)

15" CMP

WIN (FIBER OPTIC)

WOODS

EXISTING DITCH

GRAVEL

AT&T (FIBER OPTIC)

ASPHALT

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 44+14.1, 26.8' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 829.66
PROPOSED RIM ELEV. = 829.87

STA. 45+08.5, 24.8' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 834.44
PROPOSED RIM ELEV. = 832.76

STA. 45+97.6, 24.7' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 838.48
PROPOSED RIM ELEV. = 836.72

STA. 46+80.0, 25.1' RT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 841.25
PROPOSED RIM ELEV. = 840.30

STA. 49+48.8, 27.9' RT.
ADJUST WATER CURB STOP BOX,
EXISTING RIM ELEV. = 851.87
PROPOSED RIM ELEV. = 851.95

ELECTRICAL CABINET

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

4320 RUGER AVE.

CITY OF JANESVILLE
4404 RUGER AVE.

2

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STA. 49+72, 7' RT.
RECONSTRUCTING MANHOLES,
(ADD BARREL SECTION)
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 852.31
EXISTING ADJUSTMENT = 22.2"
PROPOSED RIM ELEV. = 852.49

STA. 50+01.2, 29.8' LT.
EXISTING CURB STOP TO REMAIN,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
NO ADJUSTMENT NECESSARY

STA. 51+03.7, 30.5' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 858.34
PROPOSED RIM ELEV. = 858.37

STA. 51+26, ONLINE
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 859.24
EXISTING ADJUSTMENT = 2.4"
PROPOSED RIM ELEV. = 859.05

EXISTING HYDRANT TO REMAIN

STA. 51+97, 12' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 860.85
EXISTING ADJUSTMENT = 10"
PROPOSED RIM ELEV. = 860.85

STA. 52+07.8, 30.0' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 861.05
PROPOSED RIM ELEV. = 861.50

STA. 52+98.3, 28.5' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 862.59
PROPOSED RIM ELEV. = 863.13

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 55+11.3, 31.1' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR
INSTALLED WATER CURB STOP
DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 864.85
PROPOSED RIM ELEV. = 865.06

STA. 54+32.7, 30.1' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR
INSTALLED WATER CURB STOP
DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 864.44
PROPOSED RIM ELEV. = 864.46

MATCH LINE STA. 49+50

MATCH LINE STA. 55+50

STA. 50+29.3, 26.7' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 855.91
PROPOSED RIM ELEV. = 855.42

STA. 51+39, 16' RT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 859.10
PROPOSED RIM ELEV. = 859.18

STA. 53+00.7, 29.0' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 863.09
PROPOSED RIM ELEV. = 863.30

STA. 54+84.9, 28.5' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 863.78
PROPOSED RIM ELEV. = 864.61

STA. 55+18, ONLINE
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 864.79
EXISTING ADJUSTMENT = 5.6"
PROPOSED RIM ELEV. = 865.00

CTH MM (RUGER AVENUE)

YOUTH SPORTS COMPLEX ENTRANCE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 67	E

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:CHULZE ER AVE.

KATHLEEN A. STADDLER 4519 RUGER AVE.

CORWITH REV. TRUST 4525 RUGER AVE.

NICHOLAS BRUHNKE 4527 RUGER AVE.

TIMOTHY B. PIKE 4535 RUGER AVE.

FRED TUTTLE 4537 RUGER AVE.

DANIEL J. ZIMBORSKI 4543 RUGER AVE.

SANDRA L. WELLES 4545 RUGER AVE.

CRAIG S. NETEMEYER 4549 RUGER AVE.

STA. 55+68.7, 31.8' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 864.64
PROPOSED RIM ELEV. = 865.29

STA. 56+54.9, 30.8' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 864.95
PROPOSED RIM ELEV. = 865.34

STA. 57+63.2, 29.9' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 864.20
PROPOSED RIM ELEV. = 864.51

STA. 58+64.0, 28.3' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR
INSTALLED WATER CURB STOP
DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 863.98
PROPOSED RIM ELEV. = 863.75

STA. 59+30.3, 27.4' LT.
ADJUST WATER CURB STOP BOX,
CITY SUPPLIED, CONTRACTOR INSTALLED
WATER CURB STOP DRIVE OVER SLEEVE
EXISTING RIM ELEV. = 861.66
PROPOSED RIM ELEV. = 862.12

EXISTING HYDRANT TO BE RELOCATED
BY OTHERS PRIOR TO CONSTRUCTION

CHARTER COMMUNCATIONS (TV)

PEDESTALS

UTILITY POLE

ALLIANT ENERGY (GAS)

GRASS

CONCRETE

ASPHALT

MAIL BOX

PEDESTAL & CABINET

PEDESTALS

EXISTING DITCH

HYDRANT

56+00

57+00

58+00

59+00

60+00

61

MATCH LINE STA. 55+50

MATCH LINE STA. 61+00

ALLIANT ENERGY (ELECTRIC)

CTH MM (RUGER AVENUE)

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (WATERMAIN)

ALLIANT ENERGY (OVERHEAD)

AT&T (TELEPHONE)

CHARTER COMMUNICATIONS (TV)

GRAVEL

EXISTING DITCH

WIN (FIBER OPTIC)

AT&T (FIBER OPTIC)

PEDESTALS & ELECTRICAL CABINET

CHARTER COMMUNICATIONS (TV)

ELECTRICAL CABINET

ALLIANT ENERGY (GAS)

STA. 55+81.3, 28.5' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 865.17
PROPOSED RIM ELEV. = 865.07

STA. 56+63.3, 28.0' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 865.22
PROPOSED RIM ELEV. = 864.96

STA. 57+25.0, 27.3' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 864.93
PROPOSED RIM ELEV. = 864.62

STA. 58+38.0, 28.2' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 863.42
PROPOSED RIM ELEV. = 863.47

STA. 59+17, ONLINE
ADJUSTING MANHOLE COVERS,
SANITARY MANHOLE CHIMNEY SEAL
EXISTING RIM ELEV. = 861.66
EXISTING ADJUSTMENT = 6.3"
PROPOSED RIM ELEV. = 861.92

INSULATION BOARD POLYSTYRENE, 2-INCH (TYP.)

STA. 59+16.4, 28.0' RT.
ADJUST WATER CURB STOP BOX
EXISTING RIM ELEV. = 862.78
PROPOSED RIM ELEV. = 862.08

WIN (FIBER OPTIC)

AT&T (FIBER OPTI

AT&T (TELEPI

ALLIANT EN

CITY OF JANESVILLE
4524 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4536 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4548 RUGER AVE.

MARIANNE K. WELLNITZ
4560 RUGER AVE.

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 68	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023009-up

PLOT DATE : 12/27/2018 5:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

USH 14

ALLIANT ENERGY (GAS)

GRASS

CAUTION

AT&T (FIBER OPTIC)

GRASS

EP: 64+61.23

CTH MM (RUGER AVENUE)

24" CMP

61+00

62+00

63+00

64+00

MATCH LINE STA. 61+00

WINDSTREAM

24" CMP

CAUTION

ALLIANT ENERGY (OVERHEAD)

C)
IONE)
IERGY (OVERHEAD)

GRASS

GRASS

WIN (FIBER OPTIC)

MH

PEDESTALS & ELECTRICAL CABINET

AT&T (FIBER OPTIC)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN	SHEET 69	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023010-up

PLOT DATE : 12/27/2018 5:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

Plant Data Table

Symbol	Common Name	Scientific Name	Average Mature Height	Size When Planted	Root Zone	Ball Diameter (Min.)	Ball Depth (Min.)	Plant Hole Diameter (Min.)	Fertilizer Units Req'd.	Rodent Protection Req'd.	Bracing Req'd.	Mulch Ring Req'd.
AG	Paperbark Maple	Acer Griseum	30'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
CJ	Katsura	Cercidiphyllum Japonicum	60'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
CK	American Yellowwood	Cladrastris Kentukea	50'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
CS	Northern Catalpa	Catalpa Speciosa	70'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
GB	Autumn Gold Ginkgo	Ginkgo Biloba 'Autumn Gold'	80'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
LT	Tulip Tree	Liriodendron Tulipifera	100'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
PA	London Plane Tree	Plantanus Acerfolia 'Ovation'	85'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
PS	Sargent Cherry	Prunus Sargentii	40'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
QB	Swamp White Oak	Quercus Bicolor	60'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
QR	Regal Prince Oak	Quercus Robur X Bicolor	50'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
QS	Crimson Spire Oak	Quercus Robur X Alba	50	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
SR	Japanese Tree Lilac, 'Ivory Silk'	Syringa Reticulata	30	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.
ZS	Japanese Zelkova	Zelkova Serrata	80'	2" Cal.	B&B	24"	16"	48" Dia.	No Fertilizer Req'd. At Planting	Yes	Yes	48" Dia.

Note: Eliminate Planting Note 1 on S.D.D. 14 A 2-1 (Tree Planting Detail) and replace with: Remove all containers, baskets, burlap, and/or any other wrapping materials.

2

N

WRIGHT ROAD

PUBLIC PARK

CORA RUND
3617 RUGER AVE.

CORA RUND
3619 RUGER AVE.

JOHN R. GORSKI
3629 RUGER AVE.

JOHN R. GORSKI
3631 RUGER AVE.

JOHN R. GORSKI
3637 RUGER AVE.

WAAGE LIFE ESTATE P
3705 RUGER AVE. 3

SR
STA. 9+55, LT.

CJ
STA. 10+30, LT.

CK
STA. 10+55, LT.

QB
STA. 12+08, LT.

GB
STA. 12+68, LT.

LIGHT POLE
PEDESTAL
AT&T (FIBER OPTIC)
ALLIANT ENERGY (GAS)
CHARTER COMMUNICATIONS (TV)
CONCRETE
GRASS
GRAVEL
12" CMP
15" CMP
UTILITY POLE
CITY OF JANESVILLE (WATERMAIN)
MAIL BOX
PEDESTALS
ALLIANT ENERGY (ELECTRIC)
UTILITY POLE
PEDESTAL CONCRETE
PEDESTALS &
ELECTRICAL CABINET
EXISTING DITCH
CONCRET

8+00
9+00
10+00
11+00
12+00
13+00

CTH MM (RUGER AVENUE)

MATCH LINE STA. 13+50

CITY OF JANESVILLE (STORM SEWER)
ALLIANT ENERGY (OVERHEAD)
12" PVC

QS
STA. 8+53, RT.

QS
STA. 8+83, RT.

SR
STA. 8+68, RT.

WOODS
GRAVEL
EXISTING DITCH
AT&T (FIBER OPTIC)
ASPHALT

QS
STA. 11+40, RT.

QS
STA. 11+70, RT.

SR
STA. 11+55, RT.

UTILITY POLE
ALLIANT ENERGY (OVERHEAD)

MARKLEIN BUILDERS INC.
5 S. WRIGHT RD.

MARKLEIN BUILDERS INC.
13 S. WRIGHT RD.

DAVID R. DAHL
3632 RUGER AVE.

DAVID R. DAHL
3632 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023101-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

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ETER J. SKELLY
707 RUGER AVE.

PETER J. SKELLY
3713 RUGER AVE.

MARKLEIN BUILDERS INC.
3725 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

CJ
STA. 13+88, LT.

SR
STA. 14+59, LT.

PA
STA. 15+06, LT.

QB
STA. 16+00, LT.

QR
STA. 16+40, LT.

AG
STA. 17+29, LT.

SR
STA. 18+10, LT.

CJ
STA. 19+11, LT.

CHARTER COMMUNICATIONS (TV)
ALLIANT ENERGY (ELECTRIC)
PEDESTALS & ELECTRICAL CABINET
CONCRETE
ALLIANT ENERGY (GAS)
AT&T (FIBER OPTIC)
ELECTRIC CABINET
PEDESTAL
UTILITY POLE
ALLIANT ENERGY (OVERHEAD)
GRASS
WOODS
GRAVEL
EXISTING DITCH
15" CMP
MAIL BOX
CITY OF JANESVILLE (WATERMAIN)
CITY OF JANESVILLE (SANITARY SEWER)
CTH MM (RUGER AVENUE)
MATCH LINE STA. 13+50
MATCH LINE STA. 19+50
14+00
15+00
16+00
17+00
18+00
19+00
HYDRANT

QS
STA. 15+40, RT.

QS
STA. 15+70, RT.

QS
STA. 16+70, RT.

QS
STA. 17+00, RT.

QS
STA. 18+00, RT.

QS
STA. 18+30, RT.

SR
STA. 15+55, RT.

SR
STA. 16+85, RT.

SR
STA. 18+15, RT.

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 72	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023102-pl
PLOT DATE : 10/30/2018 9:23 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

QR
STA. 19+76, LT.

PS
STA. 20+90, LT.

AG
STA. 21+55, LT.

SR
STA. 22+34, LT.

CJ
STA. 22+99, LT.

QR
STA. 23+64, LT.

PS
STA. 24+55, LT.

SR
STA. 25+20, LT.

ALLIANT ENERGY (ELECTRIC)
EXISTING DITCH
BUSHES
GRAVEL
AT&T (FIBER OPTIC)
WOODS
ALLIANT ENERGY (GAS)
HYDRANT
WOODS
AT&T (FIBER (

MATCH LINE STA. 19+50

MAIL BOX
CITY OF JANESVILLE (WATERMAIN)
CTH MM (RUGER AVENUE)
MAIL BOX
MAIL BOX
CITY OF JANESVILLE (WATER

20+00
21+00
22+00
23+00
24+00
25+00

CITY OF JANESVILLE (SANITARY SEWER)
CITY OF JANESVILLE (STORM SEWER)

MATCH LINE STA. 25+50

QS
STA. 20+65, RT.

QS
STA. 20+95, RT.

SR
STA. 20+80, RT.

CJ
STA. 21+45, RT.

QS
STA. 22+50, RT.

QS
STA. 22+80, RT.

SR
STA. 22+65, RT.

PA
STA. 24+18, RT.

EXISTING DITCH
GRASS
CONCRETE
GRAVEL
ALLIANT ENERGY (ELECTRIC)
CONCRETE
GRASS
WOODS
GRASS
ASPHALT
GRASS
ASPHALT
ASPHALT
WC

NAATZ INVESTMENT PROPERTIES LLC
3818 RUGER AVE.

DENNIS J. WORTHING
3832 RUGER AVE.

MATTHEW NEHLS
3834 RUGER AVE.

CORA RUND
3838 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

CITY OF JANES
3908 RUGER /

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023103-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

QR
STA. 25+94, LT.

PS
STA. 26+59, LT.

SR
STA. 27+24, LT.

QR
STA. 27+89, LT.

AG
STA. 28+54, LT.

PS
STA. 29+44, LT.

CJ
STA. 30+09, LT.

SR
STA. 30+74, LT.

QR
STA. 31+34, LT.

)PTIC)

ALLIANT ENERGY (GAS)

WOODS

WOODS

MAIL BOX

CTH MM (RUGER AVENUE)

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

26+00

27+00

28+00

29+00

30+00

31+00

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

CITY OF JANESVILLE (STORM

GRASS

EXISTING DITCH

AT&T (FIBER OPTIC)

WOODS

CK
STA. 25+65, RT.

LANDSCAPING

WOODS

ALLIANT ENERGY (GAS)

QS
STA. 31+00, RT.

SR
STA. 31+15, RT.

QS
STA. 31+30, RT.

VILLE
AVE.

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 74	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023104-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

WUTHERING HILLS DRIVE

AG
STA. 31+99, LT.

SR
STA. 32+44, LT.

PS
STA. 33+09, LT.

GB
STA. 33+74, LT.

QR
STA. 34+19, LT.

AG
STA. 34+84, LT.

SR
STA. 35+54, LT.

PS
STA. 35+94, LT.

PS
STA. 37+49, LT.

MATCH LINE STA. 31+50

MATCH LINE STA. 37+50

ALLIANT ENERGY (GAS)

EXISTING DITCH

MAIL BOX

WOODS

AT&T (FIBER OPTIC)

ALLIANT ENERGY (ELECTRIC)

LIGHT POLE

FIRE HYDRANT

CITY OF JANESVILLE (WATERMAIN)

CTH MM (RUGER AVENUE)

32+00 33+00 34+00 35+00 36+00 37+00

CITY OF JANESVILLE (SANITARY SEWER)

ALLIANT ENER

GRAVEL

12" PVC

LANDSCAPE BOULDERS

GRASS

CONCRETE

ASPHALT

LANDSCAPING STONE

CITY OF JANESVILLE (STORM SEWER)

GB
STA. 32+62, RT.

QB
STA. 33+43, RT.

CK
STA. 33+65, RT.

ZS
STA. 34+51, RT.

PA
STA. 35+33, RT.

ZS
STA. 36+01, RT.

PS
STA. 37+43, RT.

STEVEN A. SCIDMORE
4018 RUGER AVE.

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 75	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023105-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 37+50

PA
STA. 38+44, 60' LT.

CK
STA. 39+19, LT.

CS
STA. 38+19, LT.

PS
STA. 38+69, LT.

ZS
STA. 39+44, 60' LT.

GB
STA. 40+19, LT.

QB
STA. 40+44, 60' LT.

SR
STA. 40+69, LT.

CS
STA. 41+19, LT.

LT
STA. 41+50, 59' LT.

PS
STA. 41+79, LT.

CK
STA. 42+29, LT.

PA
STA. 42+44, 58' LT.

GB
STA. 42+69, LT.

ZS
STA. 43+32, 50' LT.

SR
STA. 43+09, LT.

MATCH LINE STA. 43+50

CJ
STA. 38+05, RT.

GB
STA. 38+70, RT.

PS
STA. 39+25, RT.

QB
STA. 40+14, RT.

SR
STA. 40+77, RT.

CJ
STA. 41+22, RT.

GB
STA. 42+06, RT.

PS
STA. 42+49, RT.

SR
STA. 43+25, RT.

CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

CTH MM (RUGER AVENUE)

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

CRAIG J. GRAMKE
4220 RUGER AVE.

CRAIG A. SCHUMACHER
4228 RUGER AVE.

MICHAEL J. FRAZIER
4236 RUGER AVE.

MICHAEL J. SHERIDAN
4244 RUGER AVE.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 76	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023106-pl
PLOT DATE : 10/30/2018 9:23 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 43+50

MATCH LINE STA. 49+50

QR
STA. 43+59, LT.

PS
STA. 44+24, LT.

LT
STA. 44+80, 51' LT.

QB
STA. 44+30, 51' LT.

SR
STA. 44+89, LT.

AG
STA. 45+69, LT.

QR
STA. 46+19, LT.

SR
STA. 46+69, LT.

PS
STA. 47+34, LT.

QR
STA. 47+99, LT.

AG
STA. 48+49, LT.

SR
STA. 49+12, LT.

PT: 43+93.19

PC: 47+73.55

CTH MM (RUGER AVENUE)

CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

CITY OF JANESVILLE (SANITARY SEWER)

CHARTER COMMUNICATIONS (TV)

ELECTRICAL CABINET

UTILITY POLE

PEDESTALS

HYDRANT

GRASS

WOODS

ALLIANT ENERGY (ELECTRIC)

ALLIANT ENERGY (GAS)

EXISTING DITCH

CHARTER COMMUNICATIONS

MAIL BOX

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (STORM SEWER)

44+00

45+00

46+00

47+00

48+00

49+00

WIN FIBER OPTIC

AT&T (FIBER OPTIC)

GRAVEL

ASPHALT

CJ
STA. 43+95, RT.

QB
STA. 44+60, RT.

CK
STA. 45+25, RT.

GB
STA. 45+75, RT.

PS
STA. 46+08, RT.

QB
STA. 47+15, RT.

GB
STA. 47+80, RT.

PS
STA. 48+45, RT.

PA
STA. 49+05, RT.

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

CITY OF JANESVILLE
4320 RUGER AVE.

CITY OF JANESVILLE
4404 RUGER AVE.

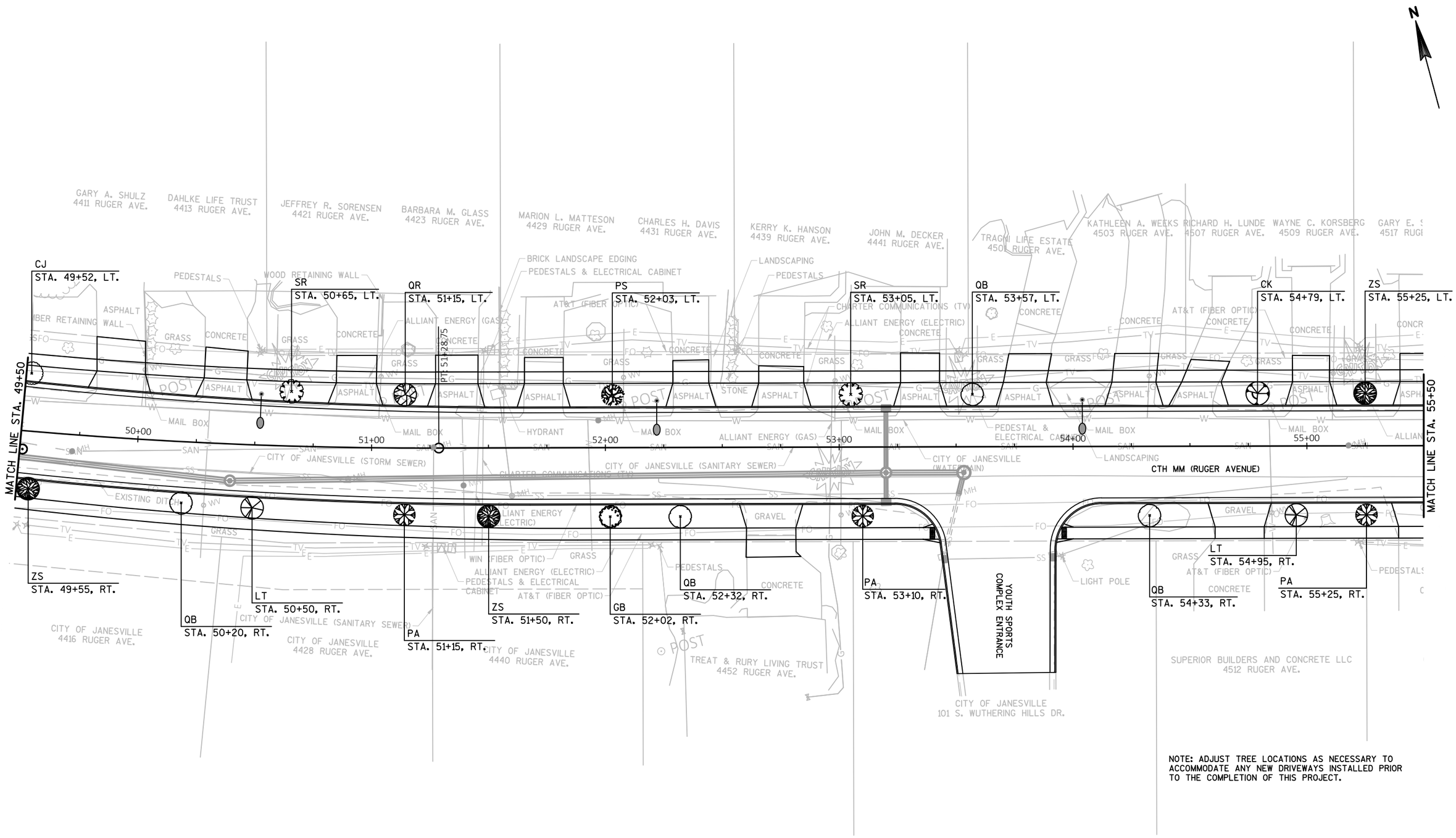
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 77	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023107-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



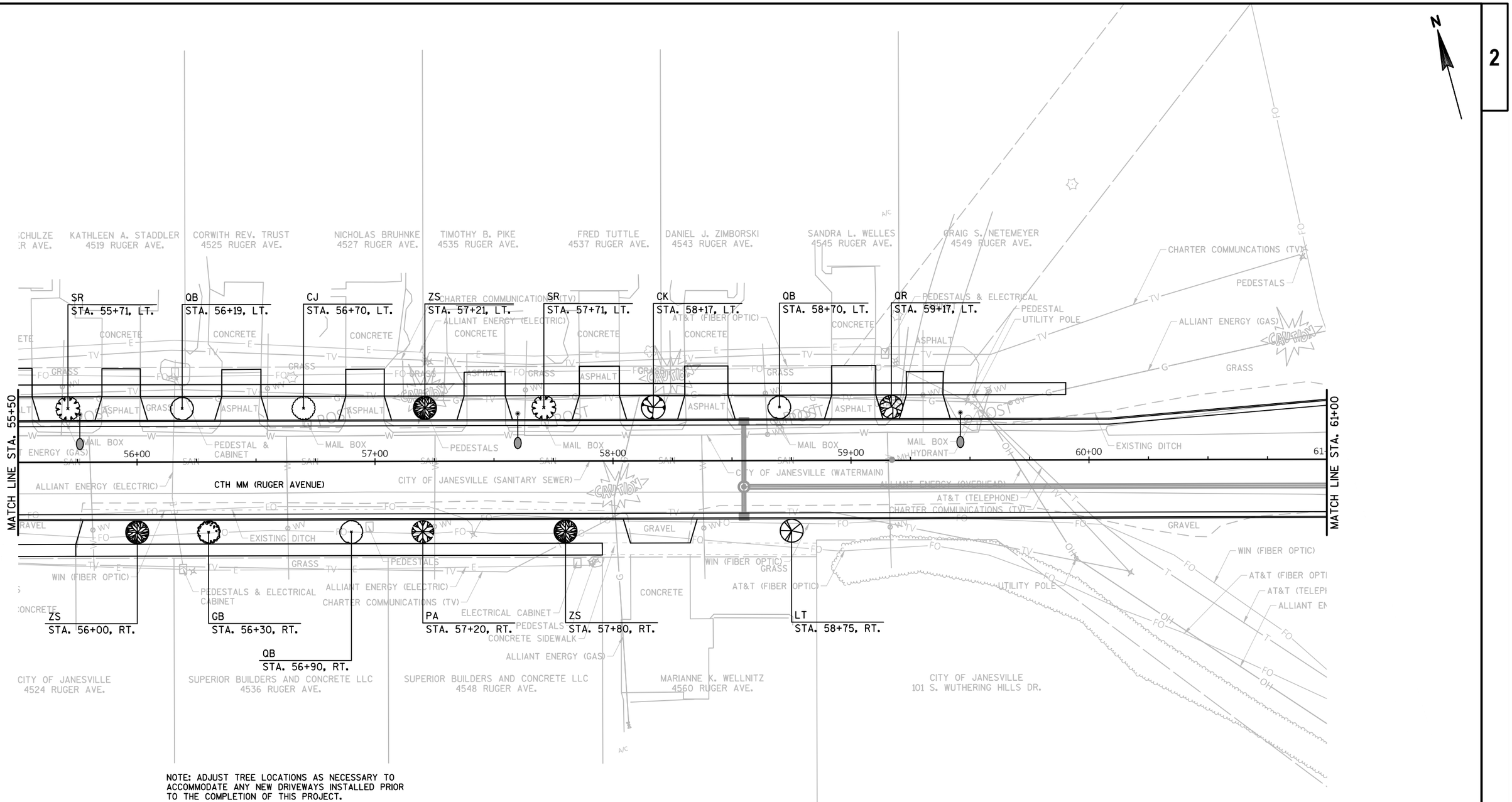
NOTE: ADJUST TREE LOCATIONS AS NECESSARY TO ACCOMMODATE ANY NEW DRIVEWAYS INSTALLED PRIOR TO THE COMPLETION OF THIS PROJECT.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 78	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023108-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTE: ADJUST TREE LOCATIONS AS NECESSARY TO ACCOMMODATE ANY NEW DRIVEWAYS INSTALLED PRIOR TO THE COMPLETION OF THIS PROJECT.

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 79	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023109-pl

PLOT DATE : 10/30/2018 9:23 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

USH 14

ALLIANT ENERGY (GAS)

GRASS

CAUTION

AT&T (FIBER OPTIC)

GRASS

EP: 64+61.23

CTH MM (RUGER AVENUE)

24" CMP

61+00

62+00

63+00

64+00

MATCH LINE STA. 61+00

WINDSTREAM

24" CMP

CAUTION

ALLIANT ENERGY (OVERHEAD)

C)
IONE)
IERGY (OVERHEAD)

GRASS

GRASS

WIN (FIBER OPTIC)

MH

PEDESTALS & ELECTRICAL CABINET

AT&T (FIBER OPTIC)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLANTING PLAN	SHEET 80	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023110-pl

PLOT DATE : 10/30/2018 9:24 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

WRIGHT ROAD

REMOVE AND SALVAGE
FLASHING STOP SIGN ASSEMBLY
FLASHING WARNING BEACON

(ON LIGHT POLE)
ANY TIME E1.1
REMOVE
REMOVE
1.1 NO PARKING ANY TIME
R7-1D
18"X24"

PUBLIC PARK

STOP E1.2
REMOVE
ALL WAY
REMOVE

STOP 1.2
R1-1
30"X30"
ALL WAY 1.3
R1-3P
18"X6"

BIKE LANE 1.4
R3-17
30"X24"

ENDS 1.5
R3-17BP
30"X12"

NO PARKING HERE TO CORNER 1.6
R7-51L
18"X24"

CORA RUND
3617 RUGER AVE.

CORA RUND
3619 RUGER AVE.

JOHN R. GORSKI
3629 RUGER AVE.

JOHN R. GORSKI
3631 RUGER AVE.

E1.3
REMOVE

JOHN R. GORSKI
3637 RUGER AVE.

WAAGE LIFE I
3705 RUGER

1.7
W3-1
36"X36"

C
9'
6'
C
C
4'
8+00
9+00
10+00
11+00
12+00
13+00
6'
5'
11'
11'
4'
G
H
E
H
G
B
A
B
CTH MM (RUGER AVENUE)
MATCH LINE STA. 13+30

MARKING REMOVAL
LINE WIDE

MARKING REMOVAL
LINE 8-INCH

C
9'
E
4'

1.8 STOP
R1-1
30"X30"
1.9 ALL WAY
R1-3P
18"X6"

BIKE LANE 1.10
R3-17
30"X24"

STOP E1.4
REMOVE
ALL WAY
REMOVE

NO PARKING ANY TIME 1.11
R7-1D
18"X24"

MARKLEIN BUILDERS INC.
5 S. WRIGHT RD.

SPEED LIMIT 35 1.12
R2-1
24"X30"

3632
TO REMAIN

SPEED LIMIT 35 E1.5
REMOVE

DAVID R. DAHL
3632 RUGER AVE.

NO PARKING ANY TIME 1.13
R7-1D
18"X24"

DAVID R. DAHL
3632 RUGER AVE.

REMOVE AND SALVAGE
FLASHING STOP SIGN ASSEMBLY
FLASHING WARNING BEACON

STOP 1.14
R1-1
30"X30"
ALL WAY 1.15
R1-3P
18"X6"

STOP E1.6
REMOVE
ALL WAY
REMOVE

MARKLEIN BUILDERS INC.
13 S. WRIGHT RD.

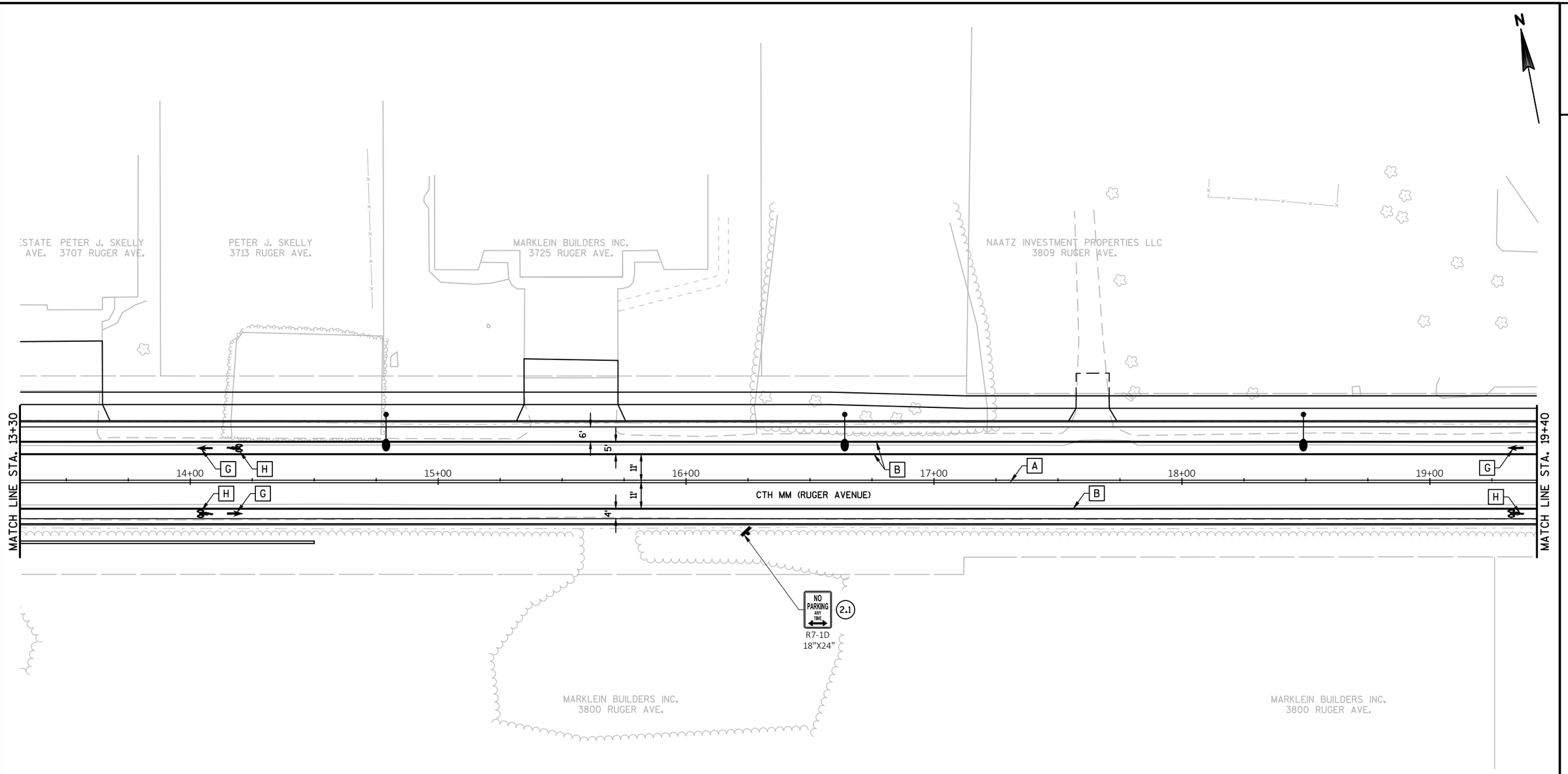
PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 81	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 10/16/2018 5:40 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 82	E

2

N

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

MATCH LINE STA. 19+40

MATCH LINE STA. 25+50

20+00 21+00 22+00 23+00 24+00 25+00

6' 5' 11' 11' 4'

CTH MM (RUGER AVENUE)

H G B A B G H B H

NO PARKING ANY TIME ↔ 3.1
R7-1D
18"X24"

NO PARKING ANY TIME ↔ 3.2
R7-1D
18"X24"

NAATZ INVESTMENT PROPERTIES LLC
3818 RUGER AVE.

DENNIS J. WORTHING
3832 RUGER AVE.

MATTHEW NEHLS
3834 RUGER AVE.

CORA RUND
3838 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

CITY OF JANES
3908 RUGER /

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 83	E

FILE NAME : P:\70005\7050S\7052\07052024\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 8/14/2018 10:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

26+00 27+00 28+00 29+00 30+00 31+00

6'
5'
11'
11'
4'

CTH MM (RUGER AVENUE)

G B A G H

G B H G

4.1
BIKE LANE
R3-17
30"X24"

4.2
NO PARKING ANY TIME
R7-1D
18"X24"

4.3
NO PARKING ANY TIME
R7-1D
18"X24"

VILLE
AVE.

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 84	E

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

WUTHERING HILLS DRIVE

MATCH LINE STA. 31+50

MATCH LINE STA. 37+50

32+00 33+00 34+00 35+00 36+00 37+00

CTH MM (RUGER AVENUE)

5.1 SPEED LIMIT 35 — R2-1 24"X30"

E5.1 SPEED LIMIT 35 — REMOVE

5.2 BIKE LANE — R3-17 30"X24"

5.3 NO PARKING HERE TO CORNER — R7-51R 18"X24"

E5.2 HERE TO CORNER — REMOVE

5.8 RUGER AVE — MOVING SIGNS TYPE II

5.9 WUTHERING HILLS DR — MOVING SIGNS TYPE II

E5.4 STOP — REMOVE; ALL WAY — REMOVE

5.6 STOP — R1-1 30"X30"; ALL WAY 5.7 R1-3P 18"X6"

E5.3 STOP — REMOVE

NO MOTOR VEHICLES — REMOVE

5.4 STOP — R1-1 18"X18"

HERE TO CORNER — TO REMAIN

SPEED LIMIT 25 — TO REMAIN

E5.5 STOP — REMOVE; ALL WAY — REMOVE

5.12 STOP — R1-1 30"X30"; ALL WAY 5.13 R1-3P 18"X6"

5.10 STOP — R1-1 18"X18"

5.5 NO MOTOR VEHICLES — R5-3 24"X24"

NO MOTOR VEHICLES — R5-3 24"X24"; 5.11

STOP — REMOVE

5.14 NO PARKING ANY TIME — R7-1D 18"X24"

E5.6 — REMOVE

E5.7 HERE TO CORNER — REMOVE

5.15 STOP — R1-1 30"X30"; ALL WAY 5.16 R1-3P 18"X6"

STOP — REMOVE

E5.9 STOP — REMOVE

5.17 STOP — R1-1 30"X30"; ALL WAY 5.18 R1-3P 18"X6"

SPEED LIMIT 25 — TO REMAIN

HERE TO CORNER — TO REMAIN

HERE TO CORNER — TO REMAIN

E5.8 STOP — REMOVE; ALL WAY — REMOVE

E5.11 HERE TO CORNER — REMOVE

5.20 NO MOTOR VEHICLES — R5-3 24"X24"

5.19 STOP — R1-1 18"X18"

5.21 RUGER AVE — MOVING SIGNS TYPE II

5.22 WUTHERING HILLS DR — MOVING SIGNS TYPE II

E5.10 STOP — REMOVE; ALL WAY — REMOVE

STEVEN A. SCIDMORE
4018 RUGER AVE.

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 85	E

2

N

CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

NO PARKING HERE TO CORNER E6.1
REMOVE

NO PARKING HERE TO CORNER 6.1
R7-51L
18"X24"

E6.2
REMOVE

PC: 41+19.49

NO PARKING ANY TIME 6.2
R7-1R
18"X24"

MATCH LINE STA. 37+50

6'
5'
11'
11'
4'

38+00
39+00
40+00
41+00
42+00
43+00

B
A
B
G
G
H
H
G

CTH MM (RUGER AVENUE)

MATCH LINE STA. 43+50

BIKE LANE 6.3
R3-17
30"X24"

NO PARKING ANY TIME 6.4
R7-1D
18"X24"

SPEED LIMIT 35 6.5
R2-1
24"X30"

SPEED LIMIT 35 E6.3
REMOVE

NO PARKING ANY TIME 6.6
R7-1D
18"X24"

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

CRAIG J. GRAMKE
4220 RUGER AVE.

CRAIG A. SCHUMACHER
4228 RUGER AVE.

MICHAEL J. FRAZIER
4236 RUGER AVE.

MICHAEL J. SHERIDAN
4244 RUGER AVE.

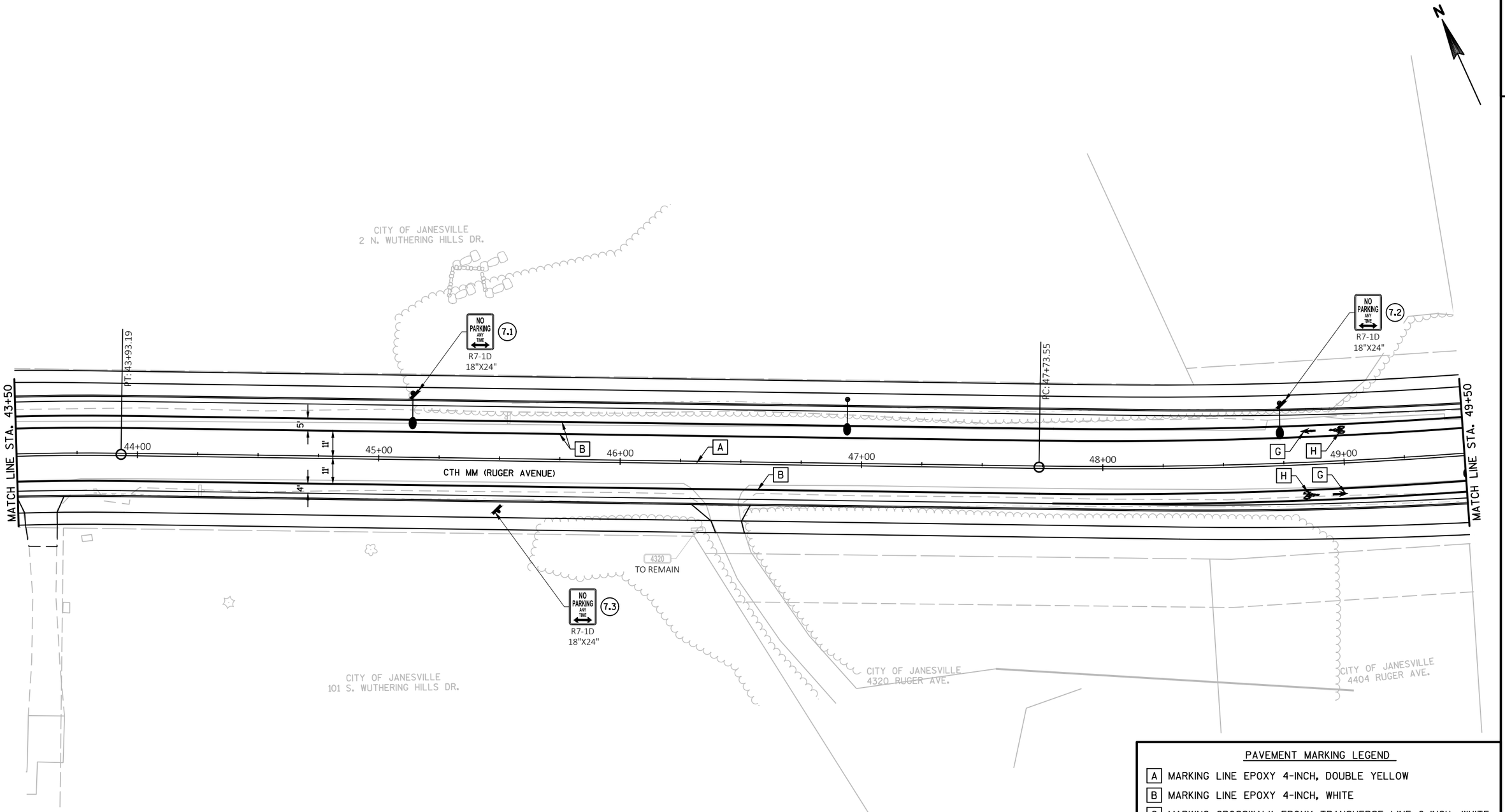
PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 86	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-pm
PLOT DATE : 8/14/2018 10:39 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 87	E

FILE NAME : P:\70005\7050S\7052\07052024\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm
PLOT DATE : 8/14/2018 10:39 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

GARY A. SHULZ
4411 RUGER AVE.

DAHLKE LIFE TRUST
4413 RUGER AVE.

JEFFREY R. SORENSEN
4421 RUGER AVE.

BARBARA M. GLASS
4423 RUGER AVE.

MARION L. MATTESON
4429 RUGER AVE.

CHARLES H. DAVIS
4431 RUGER AVE.

KERRY K. HANSON
4439 RUGER AVE.

JOHN M. DECKER
4441 RUGER AVE.

TRAGNI LIFE ESTATE
4501 RUGER AVE.

KATHLEEN A. WEEKS
4503 RUGER AVE.

RICHARD H. LUNDE
4507 RUGER AVE.

WAYNE C. KORSBERG
4509 RUGER AVE.

GARY E. S
4517 RUGI

NO PARKING ANY TIME 8.1
R7-1D
18"X24"

PT: 51+28.75

MATCH LINE STA. 49+50

50+00

51+00

52+00

53+00

54+00

55+00

MATCH LINE STA. 55+50

4'

11'

A

CTH MM (RUGER AVENUE)

B

G

H

5'

6'

C

E

4'

F

A

NO PARKING ANY TIME 8.2
R7-1D
18"X24"

NO PARKING ANY TIME 8.3
R7-1R
18"X24"

STOP 8.4
R1-1
30"X30"

BIKE LANE 8.5
R3-17
30"X24"

E8.2
REMOVE

STOP E8.1
REMOVE
(ON LIGHT POLE)

CITY OF JANESVILLE
4416 RUGER AVE.

CITY OF JANESVILLE
4428 RUGER AVE.

CITY OF JANESVILLE
4440 RUGER AVE.

TREAT & RURY LIVING TRUST
4452 RUGER AVE.

TO REMAIN
TRAFFIC CIRCLE

TO REMAIN
ANY TIME

TO REMAIN

MATCH INTO EXISTING
PAVEMENT MARKINGS

CITY OF JANESVILLE
101 S. WITHERING HILLS DR.

ONLY ONLY

YOUTH SPORTS
COMPLEX ENTRANCE

SUPERIOR BUILDERS AND CONCRETE LLC
4512 RUGER AVE.

NOTE: ADJUST SIGN LOCATIONS AS NECESSARY TO ACCOMMODATE ANY NEW DRIVEWAYS INSTALLED PRIOR TO THE COMPLETION OF THIS PROJECT.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 88	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 8/14/2018 10:39 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

:CHULZE
:R AVE.

KATHLEEN A. STADDLER
4519 RUGER AVE.

CORWITH REV. TRUST
4525 RUGER AVE.

NICHOLAS BRUHNKE
4527 RUGER AVE.

TIMOTHY B. PIKE
4535 RUGER AVE.

FRED TUTTLE
4537 RUGER AVE.

DANIEL J. ZIMBORSKI
4543 RUGER AVE.

SANDRA L. WELLES
4545 RUGER AVE.

CRAIG S. NETEMEYER
4549 RUGER AVE.

9.1 NO PARKING ANY TIME
R7-1D
18"X24"

9.2 BIKE LANE
R3-17
30"X24"

9.3 NO PARKING ANY TIME
R7-1D
18"X24"

PARKING REGULATIONS
YEAR-ROUND
LIMITED TO 24 HOURS
SNOW EMERGENCY
NO ON-STREET
PARKING PERMITTED
TO BE REMOVED BY
OTHERS PRIOR TO
CONSTRUCTION

9.4 SPEED LIMIT 35
R2-1
24"X30"

9.5
R5-2
24"X24"

MATCH LINE STA. 55+50

56+00 57+00 58+00 59+00 60+00 61

MATCH LINE STA. 61+00

CTH MM (RUGER AVENUE)

4' 11' 11' 5' 6'

A B B G H H G

9.6
W3-1
36"X36"

CITY OF JANESVILLE
4524 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4536 RUGER AVE.

SUPERIOR BUILDERS AND CONCRETE LLC
4548 RUGER AVE.

MARIANNE K. WELLNITZ
4560 RUGER AVE.

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

NOTE: ADJUST SIGN LOCATIONS AS NECESSARY TO ACCOMMODATE ANY NEW DRIVEWAYS INSTALLED PRIOR TO THE COMPLETION OF THIS PROJECT.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, WHITE
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING LINE EPOXY 8-INCH, WHITE
- E MARKING STOP LINE EPOXY 18-INCH, WHITE
- F MARKING ARROW EPOXY, TYPE 2, WHITE
- G MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- H MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 89	E

2

N

WEST ALTERNATE
TO REMAIN

USH 14

COUNTY MM
TO REMAIN
TO REMAIN

C.T.H. MM
TO REMAIN
U.S.H. 14
TO REMAIN

TO REMAIN
TO REMAIN

STOP
TO REMAIN

SPEED LIMIT 35
E10.1
REMOVE
REMOVE

EP: 64+61.23

61+00
62+00
63+00
64+00

MATCH LINE STA. 61+00

CTH MM (RUGER AVENUE)

4'
11'
5'
6'

A
B
E

BIKE LANE
10.1
R3-17
30"X24"

E10.2
STOP
REMOVE

10.4
STOP
R1-1
30"X30"

ENDS
10.2
R3-17BP
30"X12"

E10.3
REMOVE
REMOVE

10.5
J12-1
24"X45"

NO PARKING HERE TO CORNER
10.3
R7-51L
18"X24"

EAST ALTERNATE
TO REMAIN

COUNTY MM
TO REMAIN
TO REMAIN

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, WHITE
C	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
D	MARKING LINE EPOXY 8-INCH, WHITE
E	MARKING STOP LINE EPOXY 18-INCH, WHITE
F	MARKING ARROW EPOXY, TYPE 2, WHITE
G	MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
H	MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 90	E

2

LCC1-1-(1,3)
STA. 7+82.00, 41.00' LT.
(LUMINAIRE ARMS SINGLE MEMBER
4 1/2-INCH CLAMP 6-FT)

LCC1-2-(1,3)
STA. 9+27.00, 27.00' LT.

LCC1-3-(1,3)
STA. 11+12.00, 27.00' LT.

LCC1-4-(1,3)
STA. 12+94.00, 27.00' LT.

WRIGHT ROAD
PUBLIC PARK
CORA RUND
3617 RUGER AVE.
CORA RUND
3619 RUGER AVE.
JOHN R. GORSKI
3629 RUGER AVE.
JOHN R. GORSKI
3631 RUGER AVE.
JOHN R. GORSKI
3637 RUGER AVE.
WAAGE LIFE ESTATE
3705 RUGER AVE.
LIGHT POLE
PEDESTAL
AT&T (FIBER OPTIC)
ALLIANT ENERGY (GAS)
CHARTER COMMUNICATIONS (TV)
ALLIANT ENERGY (ELECTRIC)
UTILITY POLE
PEDESTAL CONCRETE
PEDESTALS & ELECTRICAL CABINET
EXISTING DITCH
CONCRETE
GRASS
GRAVEL
12" CMP
15" CMP
UTILITY POLE
CITY OF JANESVILLE (WATERMAIN)
MAIL BOX
CTH MM (RUGER AVENUE)
8+00
9+00
10+00
11+00
12+00
13+00
CITY OF JANESVILLE (STORM SEWER)
ALLIANT ENERGY (OVERHEAD)
12" PVC
WOODS
GRAVEL
EXISTING DITCH
AT&T (FIBER OPTIC)
ASPHALT
UTILITY POLE
CITY OF JANESVILLE (STORM SEWER)
ALLIANT ENERGY (GAS)
ALLIANT ENERGY (OVERHEAD)
MARKLEIN BUILDERS INC.
5 S. WRIGHT RD.
MARKLEIN BUILDERS INC.
13 S. WRIGHT RD.
DAVID R. DAHL
3632 RUGER AVE.
DAVID R. DAHL
3632 RUGER AVE.
POST
MATCH LINE STA. 13+50

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" | 2 4 | 1 4 | 1,3 | GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 91	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

ETER J. SKELLY
707 RUGER AVE.

PETER J. SKELLY
3713 RUGER AVE.

MARKLEIN BUILDERS INC.
3725 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

LCC1-5-(1,3)
STA. 14+79.00, 27.00' LT.

LCC1-6-(1,3)
STA. 16+64.00, 27.00' LT.

LCC1-7-(1,3)
STA. 18+49.00, 27.00' LT.

CHARTER COMMUNICATIONS (TV)
ALLIANT ENERGY (ELECTRIC)
PEDESTALS & ELECTRICAL CABINET
CONCRETE
ALLIANT ENERGY (GAS)
AT&T (FIBER OPTIC)
ELECTRIC CABINET
PEDESTAL
UTILITY POLE
ALLIANT ENERGY (OVERHEAD)
GRASS
WOODS
GRAVEL
EXISTING DITCH
MAIL BOX
CITY OF JANESVILLE (WATERMAIN)
CITY OF JANESVILLE (SANITARY SEWER)
CTH MM (RUGER AVENUE)
HYDRANT

MATCH LINE STA. 13+50

MATCH LINE STA. 19+50

14+00 15+00 16+00 17+00 18+00 19+00

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

MARKLEIN BUILDERS INC.
3800 RUGER AVE.

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" | 2 4 | 1 4 | 1,3 | GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 92	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

NAATZ INVESTMENT PROPERTIES LLC
3809 RUGER AVE.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

LCC1-8-(1,3)
STA. 20+29.00, 27.00' LT.

LCC1-9-(1,3)
STA. 22+09.00, 27.00' LT.

LCC1-10-(1,3)
STA. 23+89.00, 27.00' LT.

ALLIANT ENERGY (ELECTRIC)
EXISTING DITCH
BUSHES
GRAVEL
AT&T (FIBER OPTIC)
WOODS
ALLIANT ENERGY (GAS)
HYDRANT
WOODS
AT&T (FIBER (

MATCH LINE STA. 19+50

MAIL BOX
CITY OF JANESVILLE (WATERMAIN)
CTH MM (RUGER AVENUE)
MAIL BOX
MAIL BOX
CITY OF JANESVILLE (WATER

20+00 21+00 22+00 23+00 24+00 25+00

CITY OF JANESVILLE (SANITARY SEWER)
CITY OF JANESVILLE (STORM SEWER)

MATCH LINE STA. 25+50

EXISTING DITCH
AT&T (FIBER OPTIC)
GRASS
CONCRETE GRAVEL
ALLIANT ENERGY (ELECTRIC)
CONCRETE
GRASS
EXISTING DITCH
WOODS
GRASS
GRASS
ASPHALT
ASPHALT
ASPHALT
WC

NAATZ INVESTMENT PROPERTIES LLC
3818 RUGER AVE.

DENNIS J. WORTHING
3832 RUGER AVE.

MATTHEW NEHLS
3834 RUGER AVE.

CORA RUND
3838 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

GWENDOLYN A. PERSON
3900 RUGER AVE.

CITY OF JANES
3908 RUGER /

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" | 2 4 | 1 4 | 1,3 | GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 93	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023603-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

LCC1-11-(1,3)
STA. 25+69.00, 27.00' LT.

LCC1-12-(1,3)
STA. 27+44.00, 27.00' LT.

LCC1-13-(1,3)
STA. 29+19.00, 27.00' LT.

LCC1-14-(1,3)
STA. 30+94.00, 27.00' LT.

MATCH LINE STA. 25+50

MATCH LINE STA. 31+50

ALLIANT ENERGY (GAS)

WOODS

MAIL BOX

CTH MM (RUGER AVENUE)

25+00 26+00 27+00 28+00 29+00 30+00 31+00

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

CITY OF JANESVILLE (STORM

GRASS

EXISTING DITCH

AT&T (FIBER OPTIC)

LANDSCAPING

WOODS

ALLIANT ENERGY (GAS)

GEORGE A. RUHNKE
3916 RUGER AVE.

4000 RUGER AVE.

DAVID M. DRUM
4008 RUGER AVE.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 | 2 | 1
2" | 4 | 4
1,3 | GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 94	E

2

N

WUTHERING HILLS DRIVE

PB-1
STA. 36+30.00, 32.00' LT.

LCC1-15-(1,3)
STA. 32+69.00, 27.00' LT.

LCC1-16-(1,3)
STA. 34+44.00, 27.00' LT.

LCC1-17-(1,3)
STA. 36+19.00, 27.00' LT.

PB-2
STA. 36+92.50, 32.00' LT.

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

ALLIANT ENERGY (ELECTRIC)

PARK SIGN

LIGHT POLE

FIRE HYDRANT

ALLIANT ENERGY (GAS)

EXISTING DITCH

AT&T (FIBER OPTIC)

WOODS

MAIL BOX

(SCHEDULE 80)

CITY OF JANESVILLE (WATERMAIN)

CTH MM (RUGER AVENUE)

MATCH LINE STA. 31+50

MATCH LINE STA. 37+50

32+00 33+00 34+00 35+00 36+00 37+00

CITY OF JANESVILLE (SANITARY SEWER)

ALLIANT ENER

12" PVC

GRAVEL

LANDSCAPE BOULDERS

GRASS

CONCRETE

ASPHALT

LANDSCAPING STONE

CITY OF JANESVILLE (STORM SEWER)

STEVEN A. SCIDMORE
4018 RUGER AVE.

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" | 2 4 1,3 | 1 4 GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 95	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023605-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

LCC1-18-(1,3)
STA. 37+94.00, 27.00' LT.

LCC1-19-(1,3)
STA. 39+74.00, 27.00' LT.

LCC-1
STA. 40+00.00, 48.50' LT.

PB-3
STA. 40+00.00, 26.50' LT.

LCC1-20-(2,4)
STA. 41+54.00, 27.00' LT.

LCC1-21-(2,4)
STA. 43+34.00, 27.00' LT.

PC: 41+19.49

MATCH LINE STA. 37+50

MATCH LINE STA. 43+50

CITY OF JANESVILLE
2 N. WUTHERING HILLS DR.

CITY OF JANESVILLE
101 S. WUTHERING HILLS DR.

CRAIG J. GRAMKE
4220 RUGER AVE.

CRAIG A. SCHUMACHER
4228 RUGER AVE.

MICHAEL J. FRAZIER
4236 RUGER AVE.

CTH MM (RUGER AVENUE)

38+00 39+00 40+00 41+00 42+00 43+00

ALLIANT ENERGY (GAS)
ALLIANT ENERGY (ELECTRIC)
ALLIANT ENERGY (OVERHEAD)
AT&T (FIBER OPTIC)
CHARTER COMMUNICATIONS (TV)
CITY OF JANESVILLE (WATERMAIN)
CITY OF JANESVILLE (SANITARY SEWER)
WIN (FIBER OPTIC)
GRASS
EXISTING DITCH
CONCRETE
PEDESTALS
BLOCK RETAINING WALL
LANDSCAPING
MAIL BOX
UTILITY POLE

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

X-X-(X,X)
- LIGHTING CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING CIRCUIT(S)

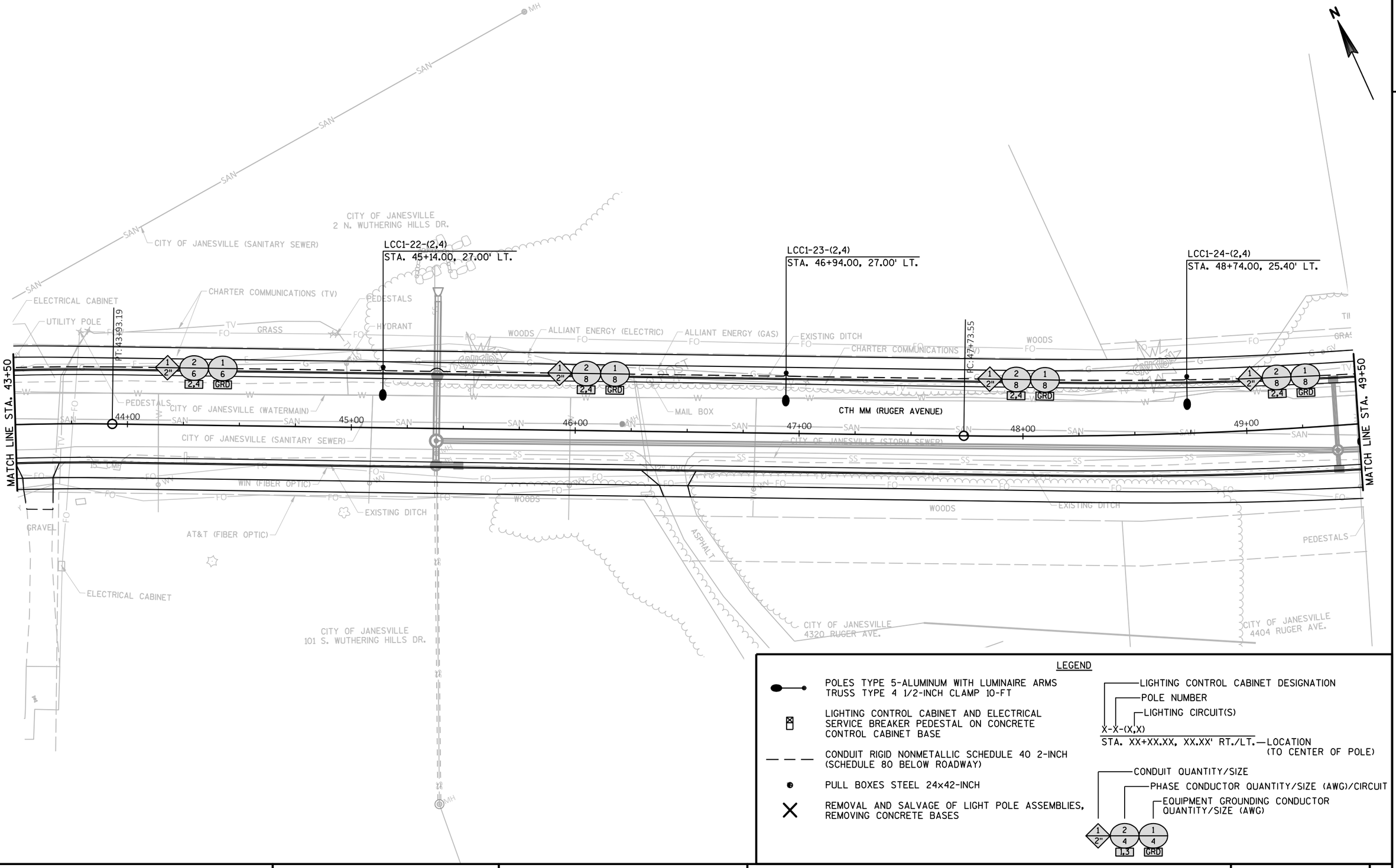
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

- CONDUIT QUANTITY/SIZE
- PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 96	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023606-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

X-X-(X,X) — LIGHTING CONTROL CABINET DESIGNATION; POLE NUMBER; LIGHTING CIRCUIT(S)

STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

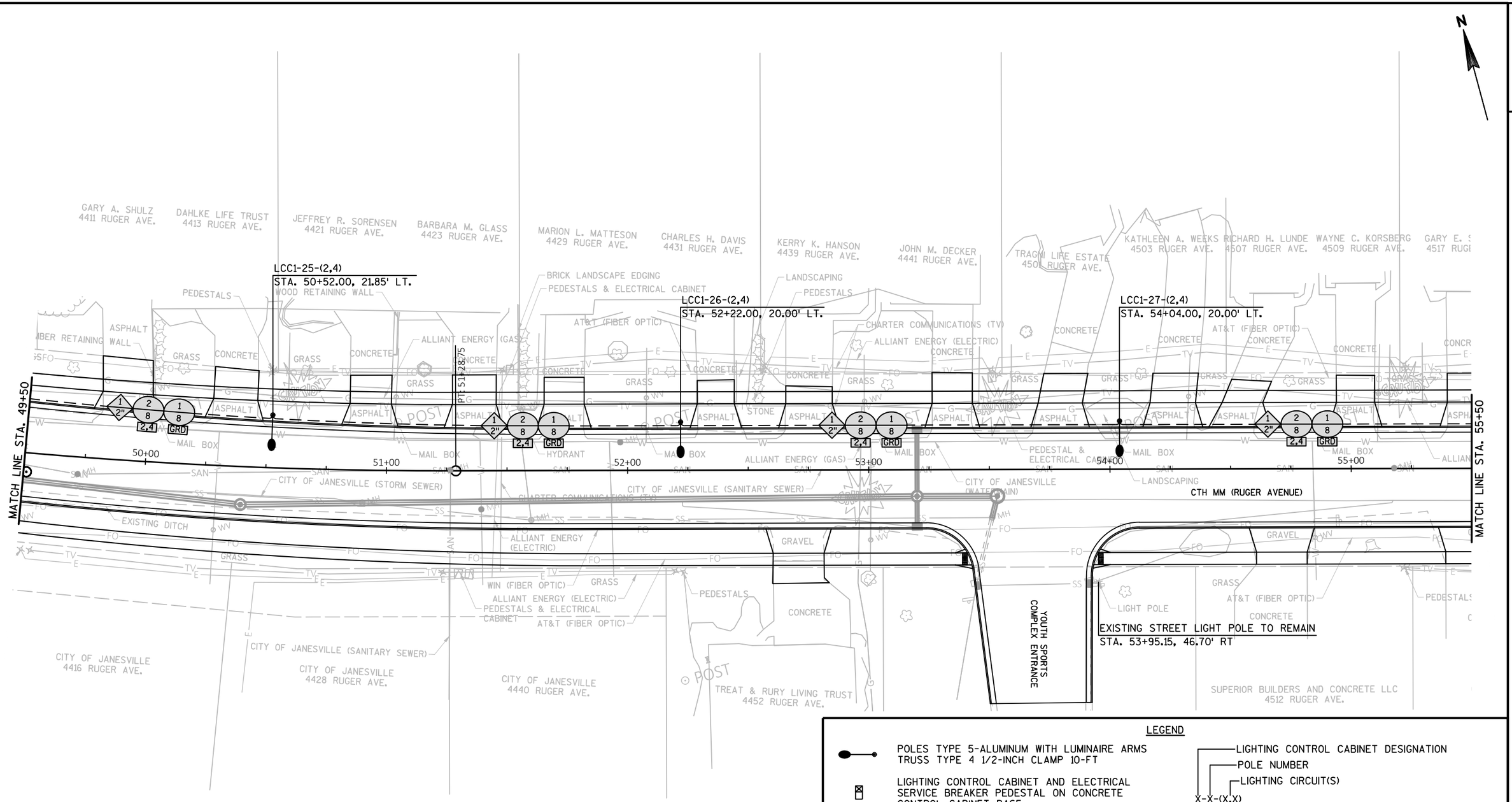
1 2" | 2 4 | 1 4 — CONDUIT QUANTITY/SIZE; PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1,3 GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 97	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023607-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

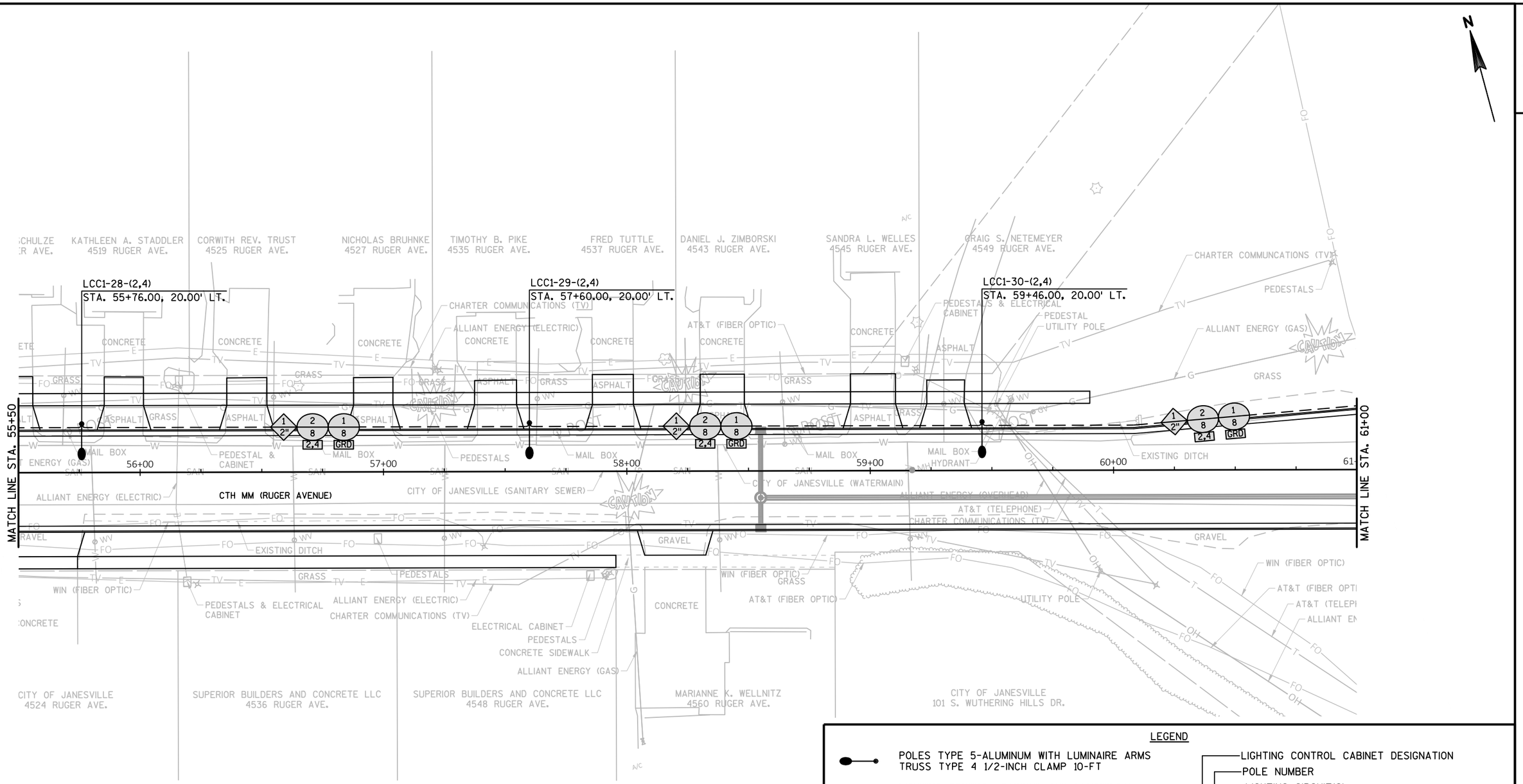
- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 98 E

2



LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — LOCATION (TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 99	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023609-lp
PLOT DATE : 10/30/2018 9:12 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

USH 14

LCC1-31-(2,4)
STA. 61+31.00, 34.25' LT.

CTH MM (RUGER AVENUE)

MATCH LINE STA. 61+00

61+00 62+00 63+00 64+00

EP: 64+61.23

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

GRASS

WINDSTREAM

24" CMP

ALLIANT ENERGY (OVERHEAD)

WIN (FIBER OPTIC)

MH

PEDESTALS & ELECTRICAL CABINET

AT&T (FIBER OPTIC)

CAUTION

OH FO G HO LP

LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- PULL BOXES STEEL 24x42-INCH
- REMOVAL AND SALVAGE OF LIGHT POLE ASSEMBLIES, REMOVING CONCRETE BASES

X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT.

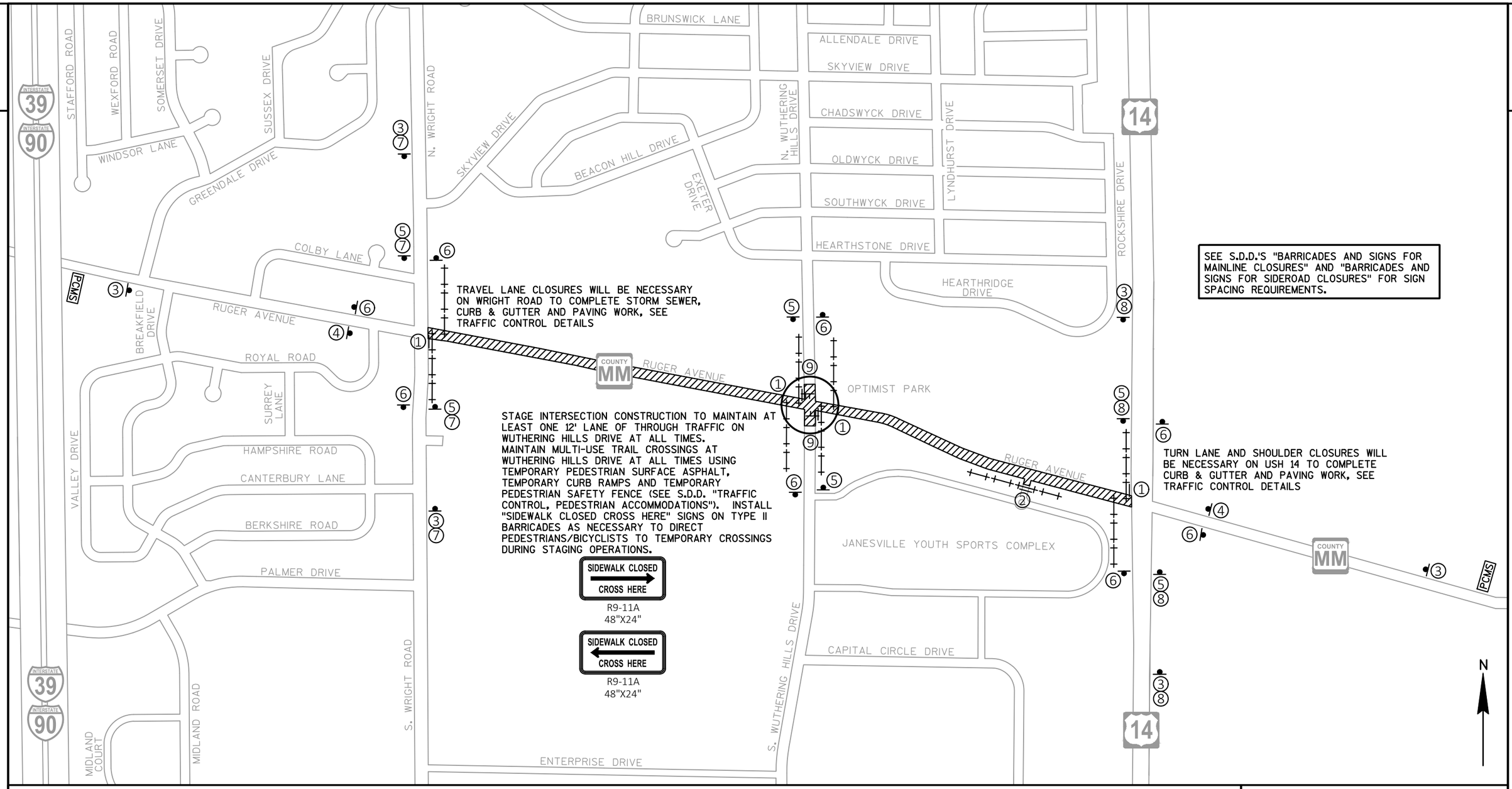
- LIGHTING CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING CIRCUIT(S)
- LOCATION (TO CENTER OF POLE)
- CONDUIT QUANTITY/SIZE
- PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 | 2 | 1
2" | 4 | 4
1,3 | GRD

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	LIGHTING PLAN	SHEET 100	E

FILE NAME : P:\70005\7050S\7052\07052024\C3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023610-lp
PLOT DATE : 10/30/2018 9:12 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



① ROAD CLOSED TO THRU TRAFFIC — R11-4, 60"X30"

② ROAD CLOSED — R11-2, 48"X30"

③ ROAD CLOSED AHEAD — W20-3A, 48"X48"

④ ROAD CLOSED 500 FT — W20-3D, 48"X48"

⑤ ROAD WORK AHEAD — W20-1A, 48"X48"

⑥ END ROAD WORK — G20-2A, 48"X24"

⑦ COUNTY MM — M1-5A, 24"X24"

⑧ WEST — M3-4, 24"X12"; COUNTY MM — M1-5A, 24"X24"

⑨ STOP — R1-1, 30"X30"

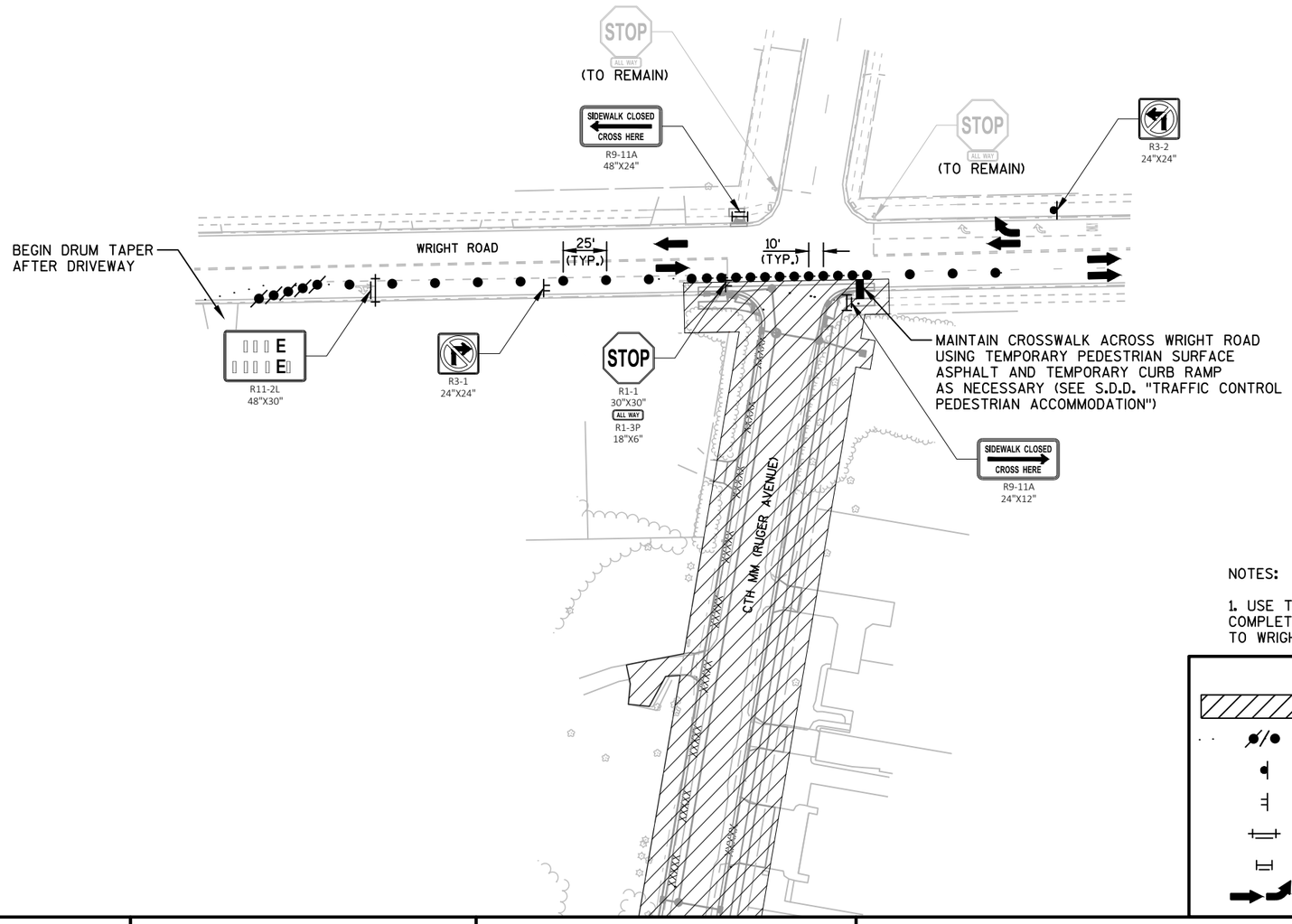
LEGEND

- WORK AREA
- TRAFFIC CONTROL SIGN ON TEMPORARY/PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED TRAFFIC CONTROL SIGN
- PCMS — TRAFFIC CONTROL SIGNS PCMS

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TRAFFIC CONTROL OVERVIEW	SHEET 101	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-tc
PLOT DATE : 8/1/2018 9:03 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

SEE TRAFFIC CONTROL OVERVIEW PLAN SHEET
FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.



NOTES:

1. USE THIS DETAIL FOR SHORT TERM LANE CLOSURES AS NECESSARY TO COMPLETE STORM SEWER, CURB & GUTTER AND PAVING WORK DIRECTLY NEXT TO WRIGHT ROAD.

LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM WITH/WITHOUT LIGHT TYPE C
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH ATTACHED TRAFFIC CONTROL SIGN
- TYPE II BARRICADE WITH ATTACHED TRAFFIC CONTROL SIGN
- TRAFFIC FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TRAFFIC CONTROL: WRIGHT ROAD LANE CLOSURE	SHEET 102	E

2

N

SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR SIGN SPACING REQUIREMENTS.

CTH MM (RUGER AVENUE)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH ON YELLOW CENTERLINE PAVEMENT MARKING

16' (TYP.)

USH 14

COVERING SIGNS TYPE II

R11-2L 48"X30"

25' (TYP.)

R3-1 24"X24"

ROAD WORK 1000 FT W20-1C 48"X48"

ROAD WORK 500 FT W20-1D 48"X48"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH ON WHITE LANE LINE PAVEMENT MARKING

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH ON ARROW AND WORD PAVEMENT MARKINGS (TYP.)

STOP (TO REMAIN)

CTH MM

ROAD WORK 500 FT W20-1D 48"X48"

ROAD WORK 1000 FT W20-1C 48"X48"

COVERING SIGNS TYPE II

R11-2L 48"X30"

R3-2 24"X24"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH ON ARROW AND WORD PAVEMENT MARKINGS (TYP.)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

SEE TRAFFIC CONTROL OVERVIEW PLAN SHEET FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.

NOTES:

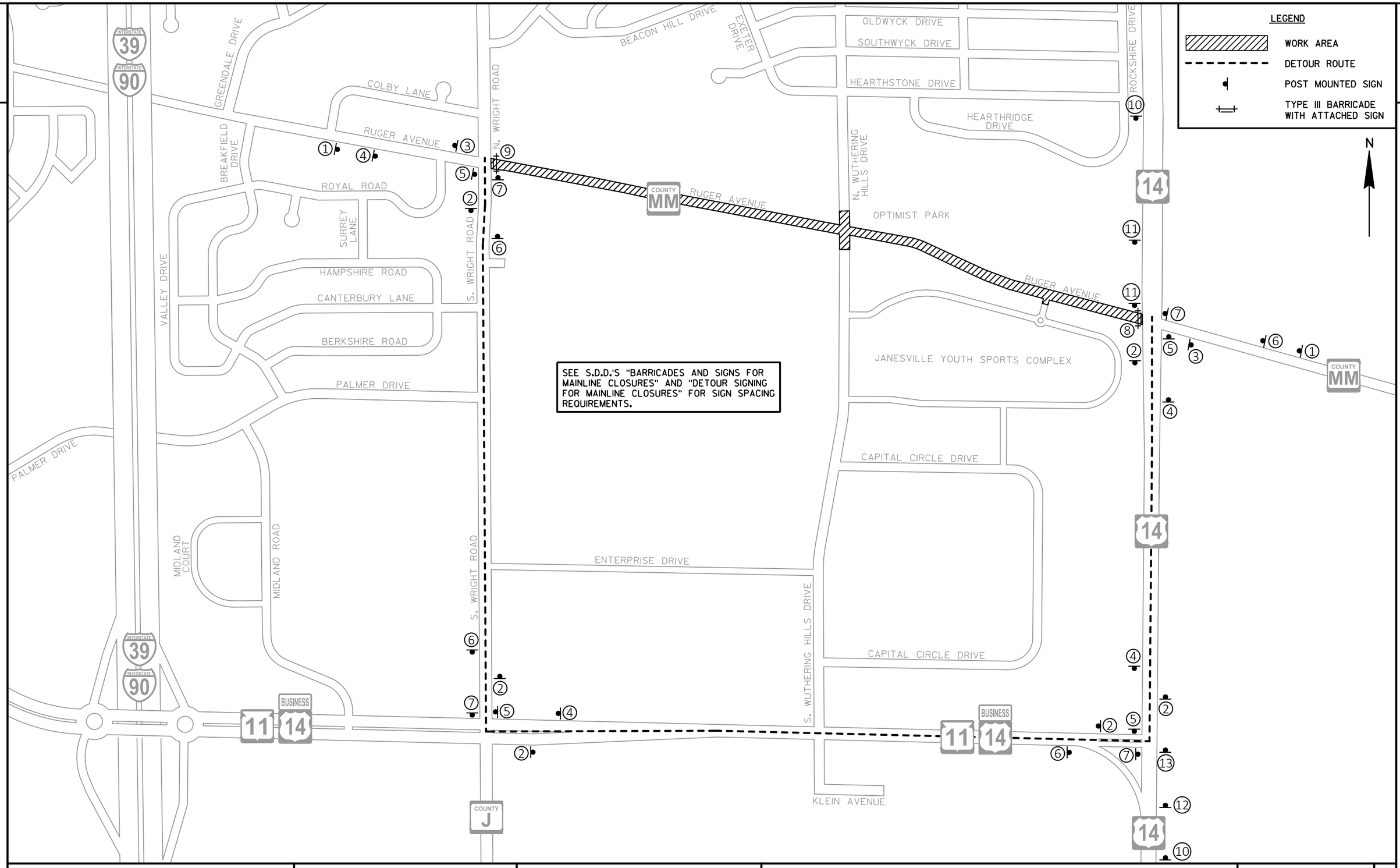
1. USE THIS DETAIL FOR SHORT TERM LANE CLOSURES AS NECESSARY TO COMPLETE PAVING AND CURB & GUTTER WORK DIRECTLY NEXT TO USH 14.

LEGEND

- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST WITH BASE
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH ATTACHED TRAFFIC CONTROL SIGN
- TRAFFIC FLOW ARROW

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	TRAFFIC CONTROL: USH 14 TURN LANE CLOSURES	SHEET 103	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\025001-TC_USH 14 LANE CLOSURES.DWG
LAYOUT NAME - USH 14 TC
PLOT DATE : 10/18/2018 10:09 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	DETOUR ROUTE	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 3/12/2018 9:52 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

2

① 

② 

M4-8
24"X12"
M1-5A
24"X24"

③ 

M4-8A
24"X18"

④ 

M4-8
24"X12"
M1-5A
24"X24"
M5-1R
21"X21"

⑤ 

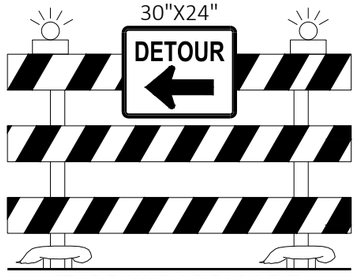
M4-8
24"X12"
M1-5A
24"X24"
M6-1
21"X21"

⑥ 

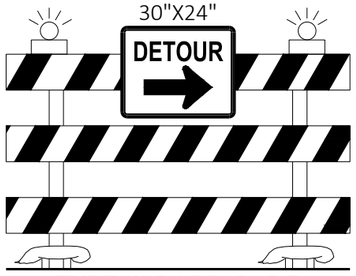
M4-8
24"X12"
M1-5A
24"X24"
M5-1L
21"X21"

⑦ 

M4-8
24"X12"
M1-5A
24"X24"
M6-1
21"X21"

⑧ M4-9L
30"X24"


TYPE III BARRICADE

⑨ M4-9R
30"X24"


TYPE III BARRICADE

⑩ 

M3-4
24"X12"


M1-5A
24"X24"


⑪ 

M4-8
24"X12"


M3-4
24"X12"


M1-5A
24"X24"

M6-1
21"X21"

⑫ 

M4-8
24"X12"


M3-4
24"X12"


M1-5A
24"X24"

M5-1L
21"X21"

⑬ 

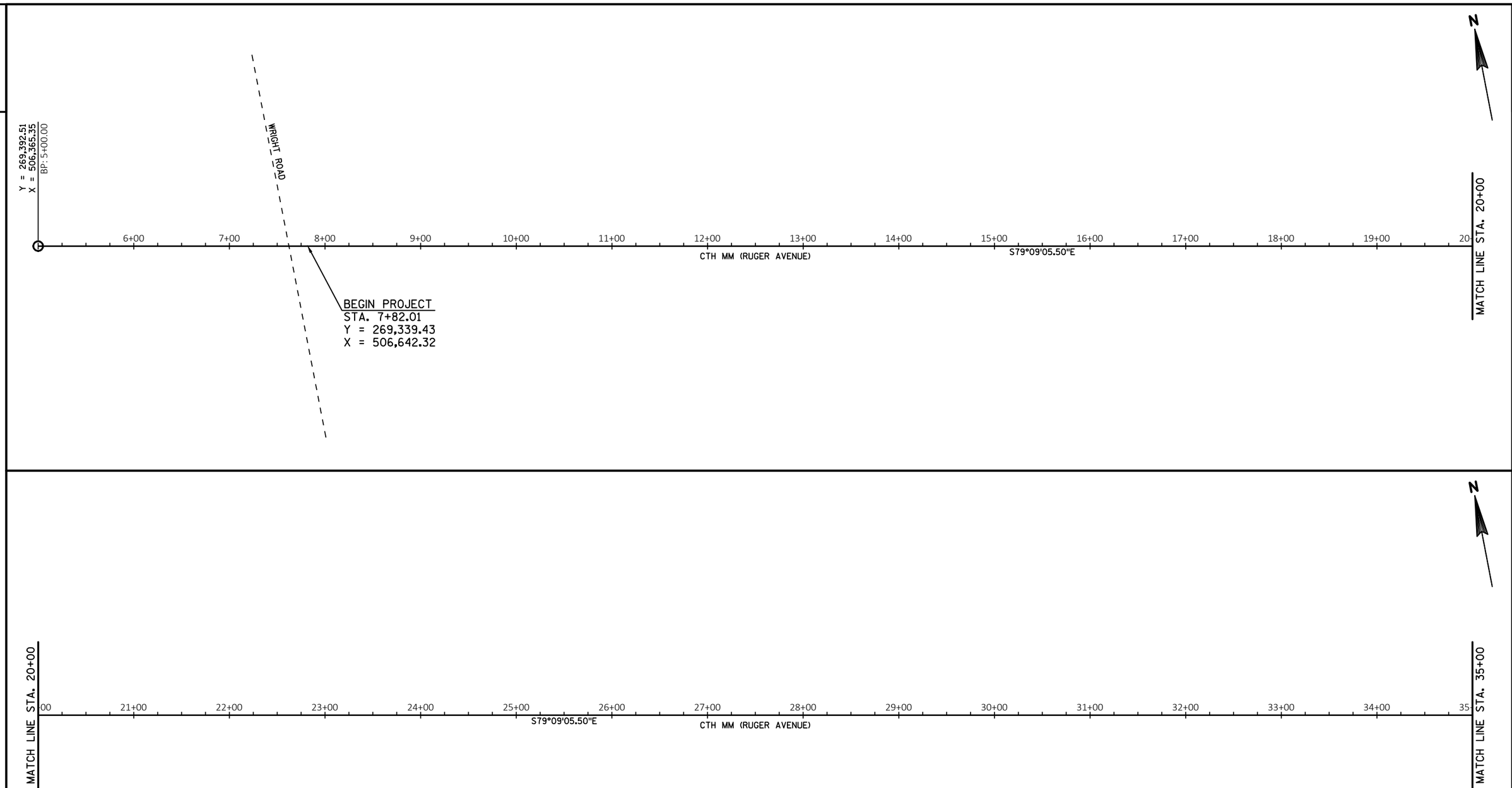
M4-8
24"X12"


M3-4
24"X12"


M1-5A
24"X24"

M6-1
21"X21"

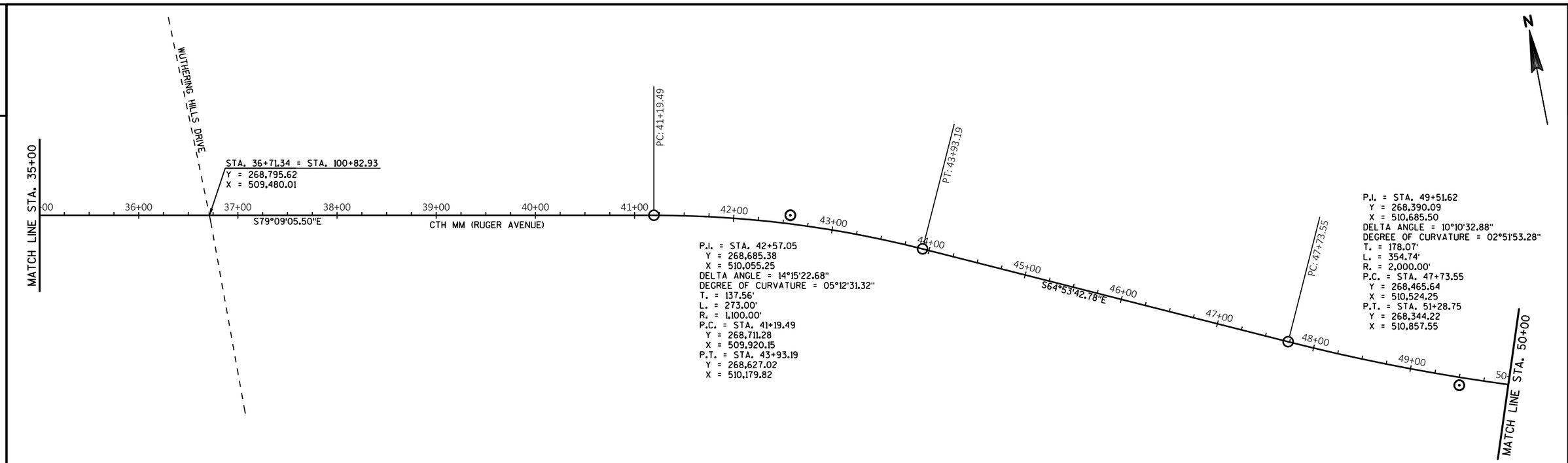
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	DETOUR ROUTE	SHEET 105	E

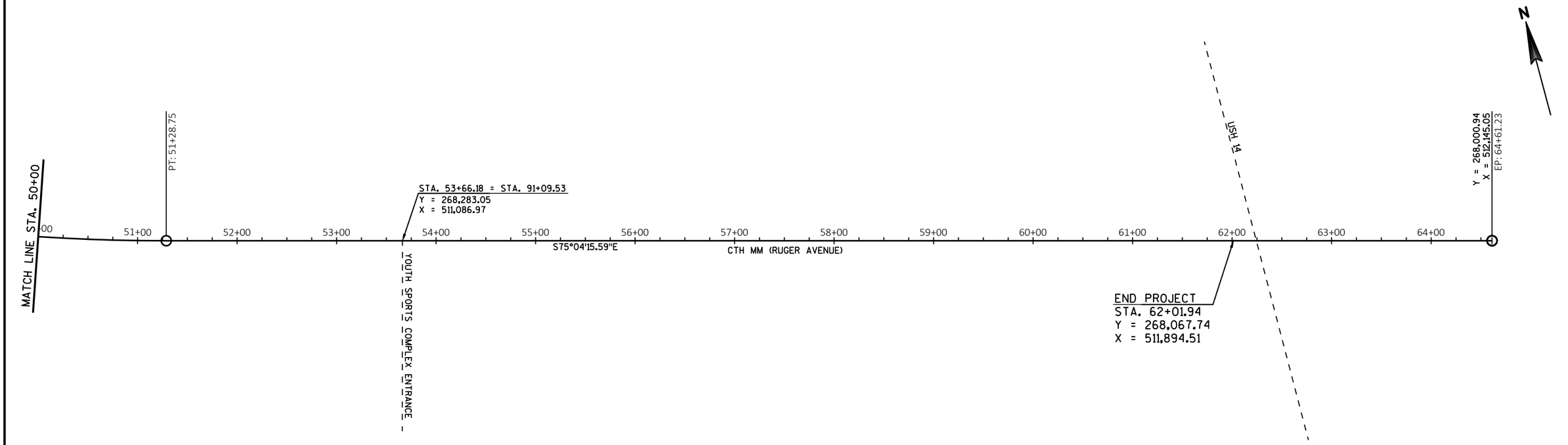


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PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 106	E

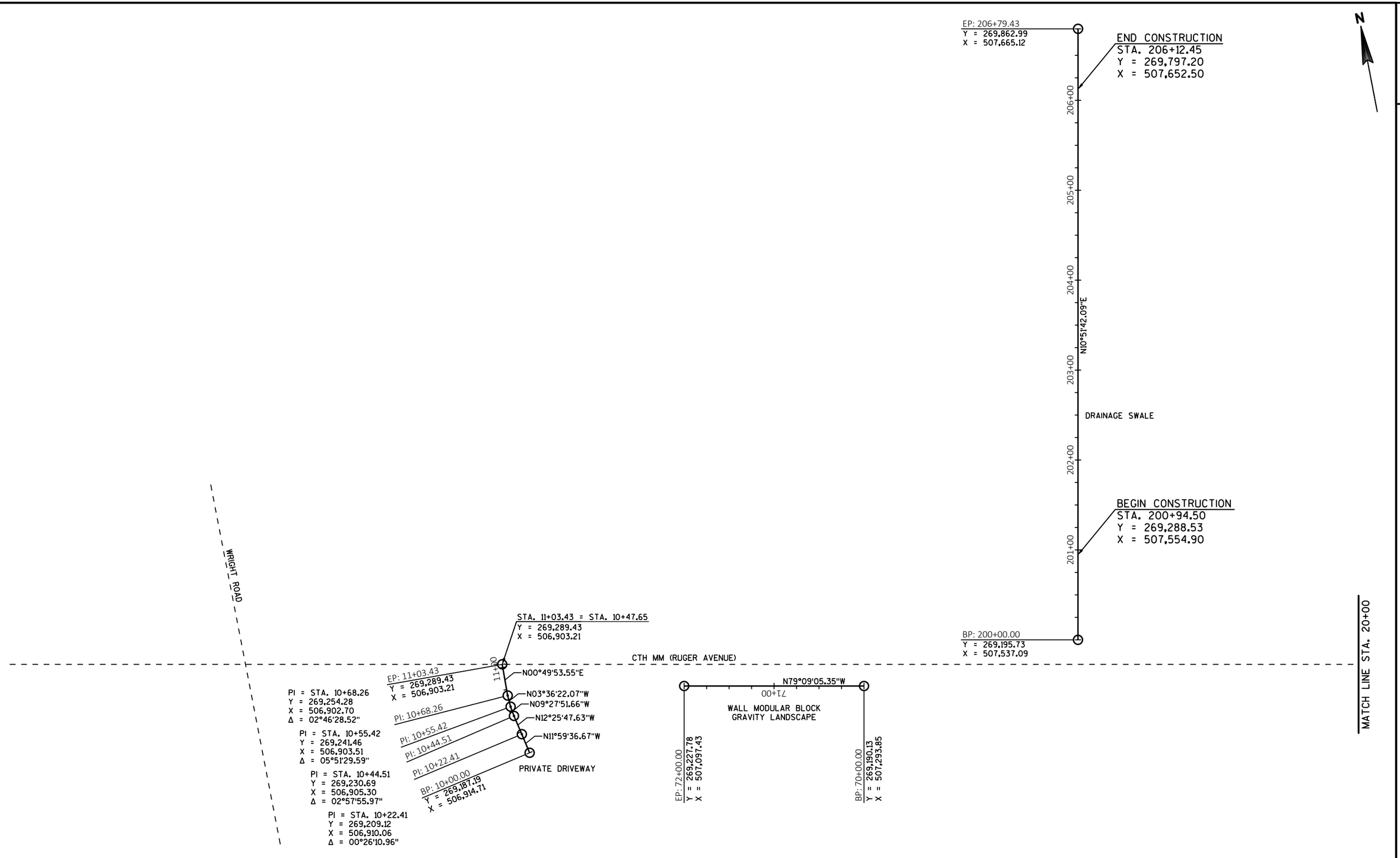
FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 8/1/2018 7:12 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42





PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 107	E

2



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 108	E

2

2

N

MATCH LINE STA. 20+00

CTH MM (RUGER AVENUE)

N79°09'05.50"W

83+00 82+00 81+00

WALL MODULAR BLOCK GRAVITY (R-53-83)

EP: 83+00.00
Y = 268,975.16
X = 508,423.58

BP: 80+00.00
Y = 268,918.70
X = 508,718.22

MATCH LINE STA. 35+00

N

EP: 101+89.33
Y = 268,902.02
X = 509,478.41

N00°51'48.53"W

STA. 100+82.93 = STA. 36+71.34
Y = 268,795.62
X = 509,480.01

MATCH LINE STA. 35+00

101+00

CTH MM (RUGER AVENUE)

PI: 100+78.31
Y = 268,791.01
X = 509,480.08
Δ = 00°11'34.95"

N00°40'13.58"E

100+00

BP: 99+52.23
Y = 268,664.93
X = 509,478.60

WUTHERING HILLS DRIVE

MATCH LINE STA. 50+00

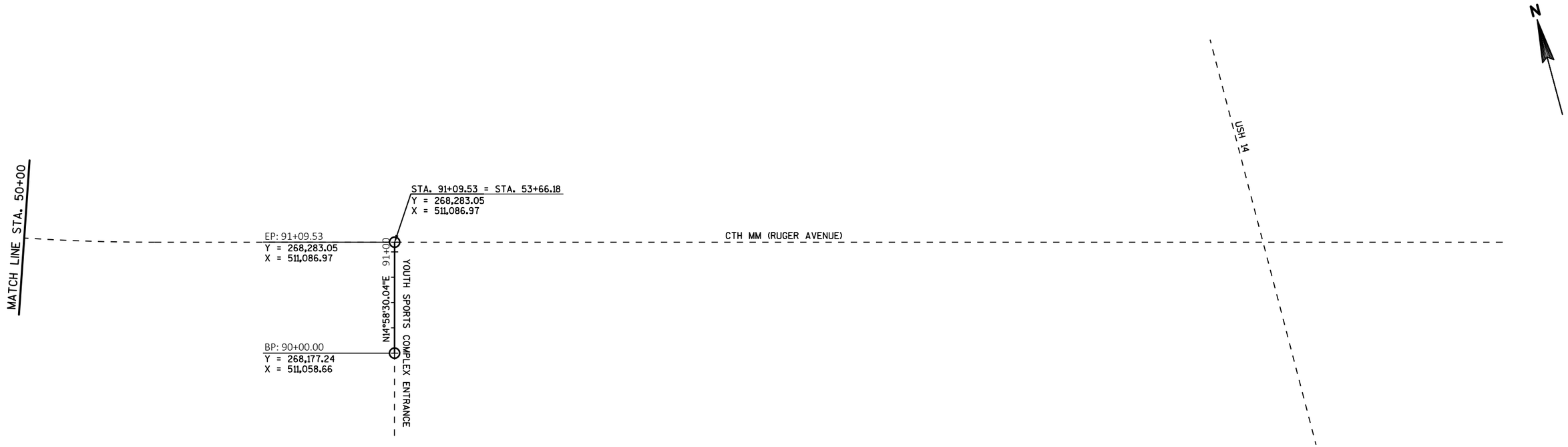
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 109	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 027204-ad

PLOT DATE : 8/1/2018 7:12 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

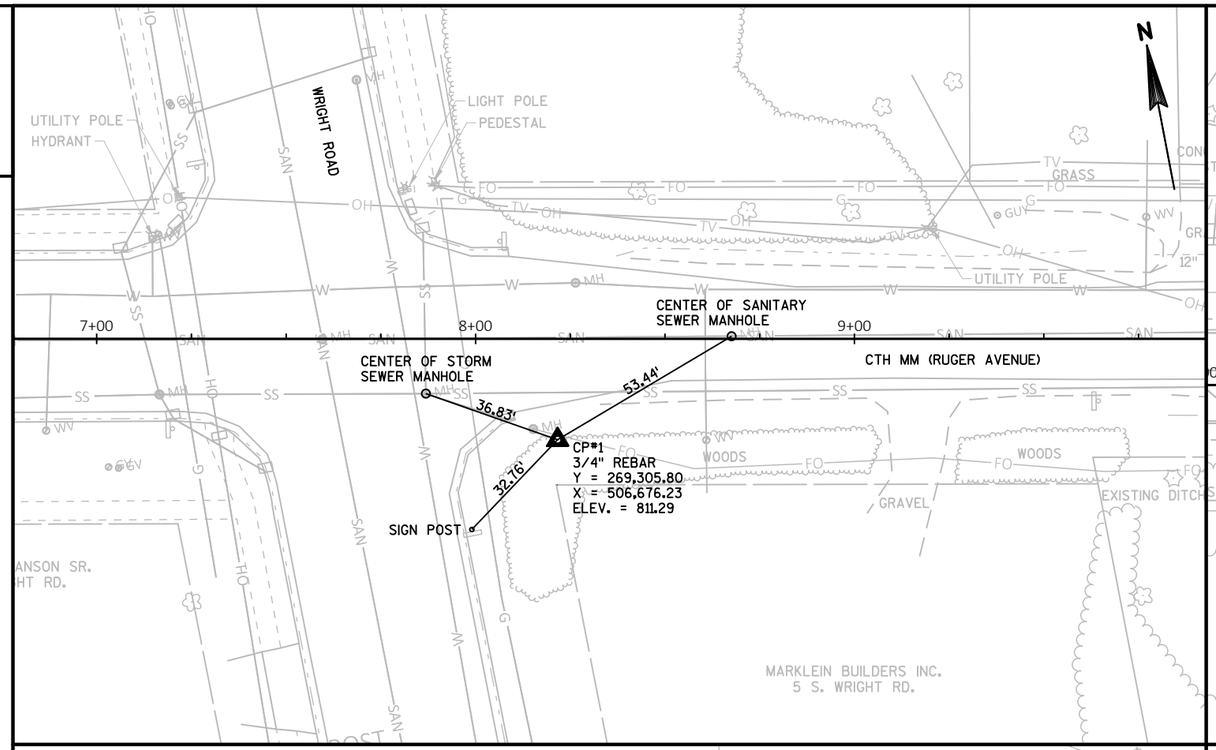
WISDOT/CADDS SHEET 42

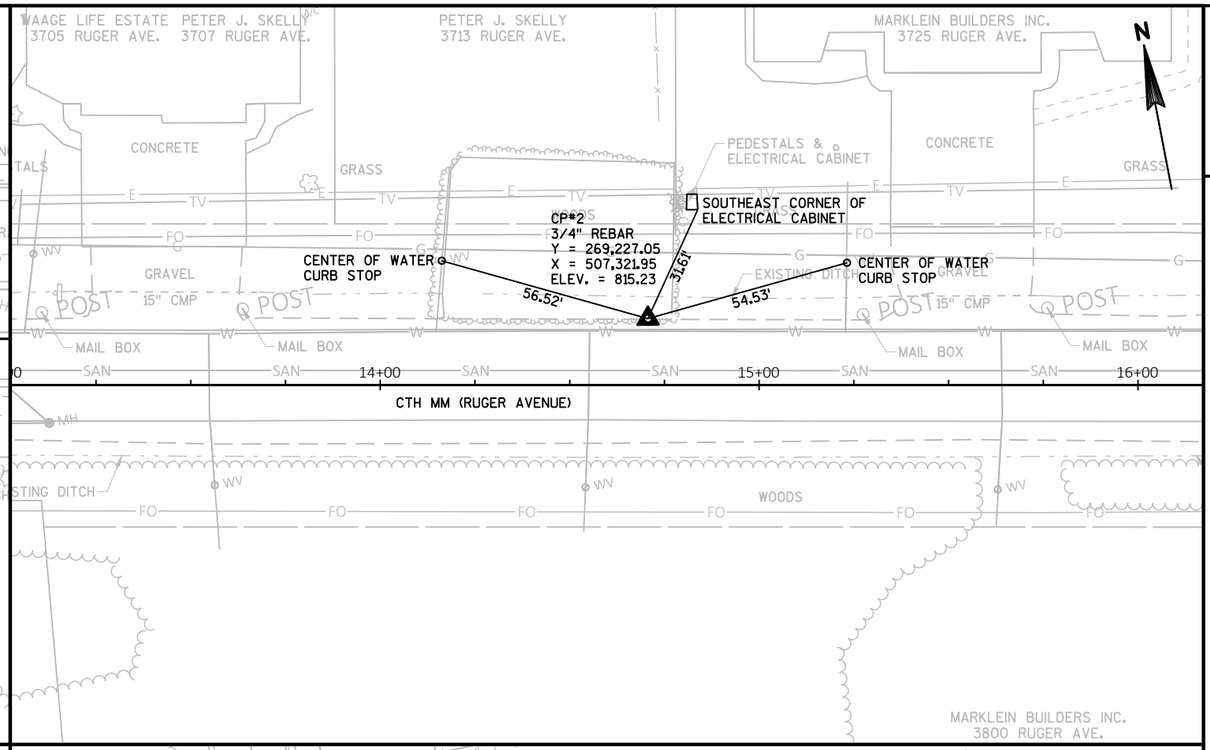
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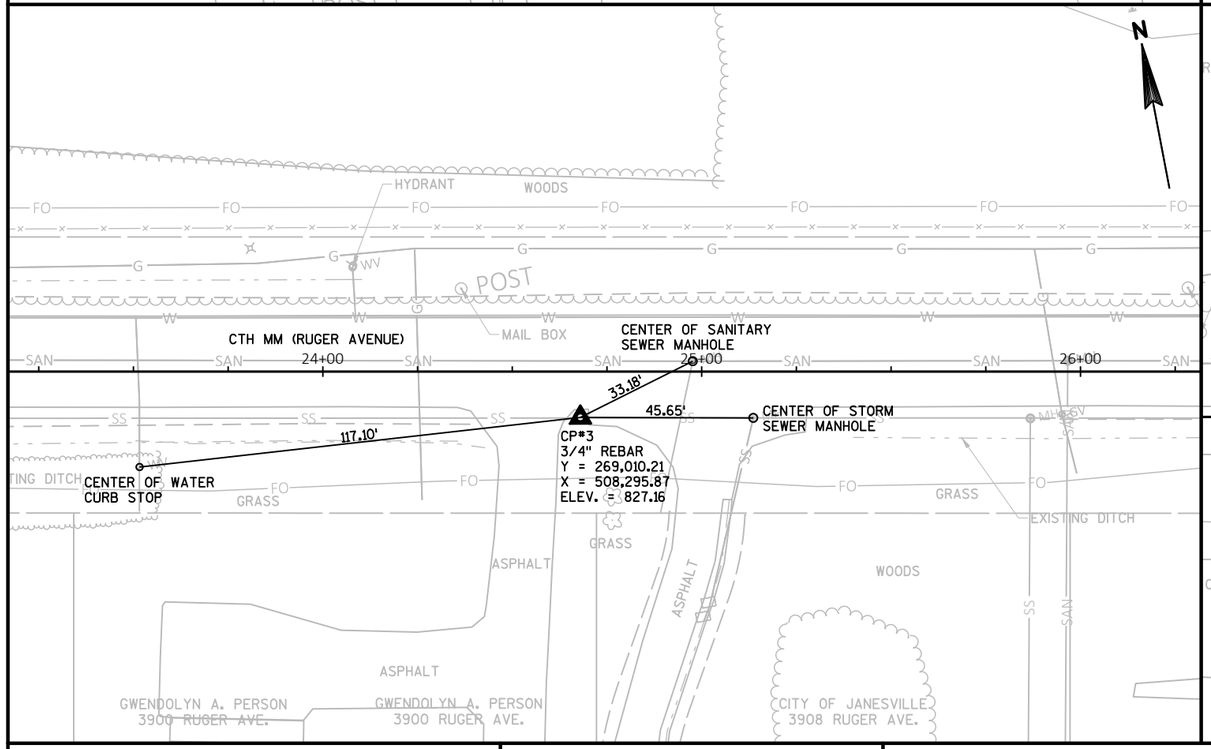


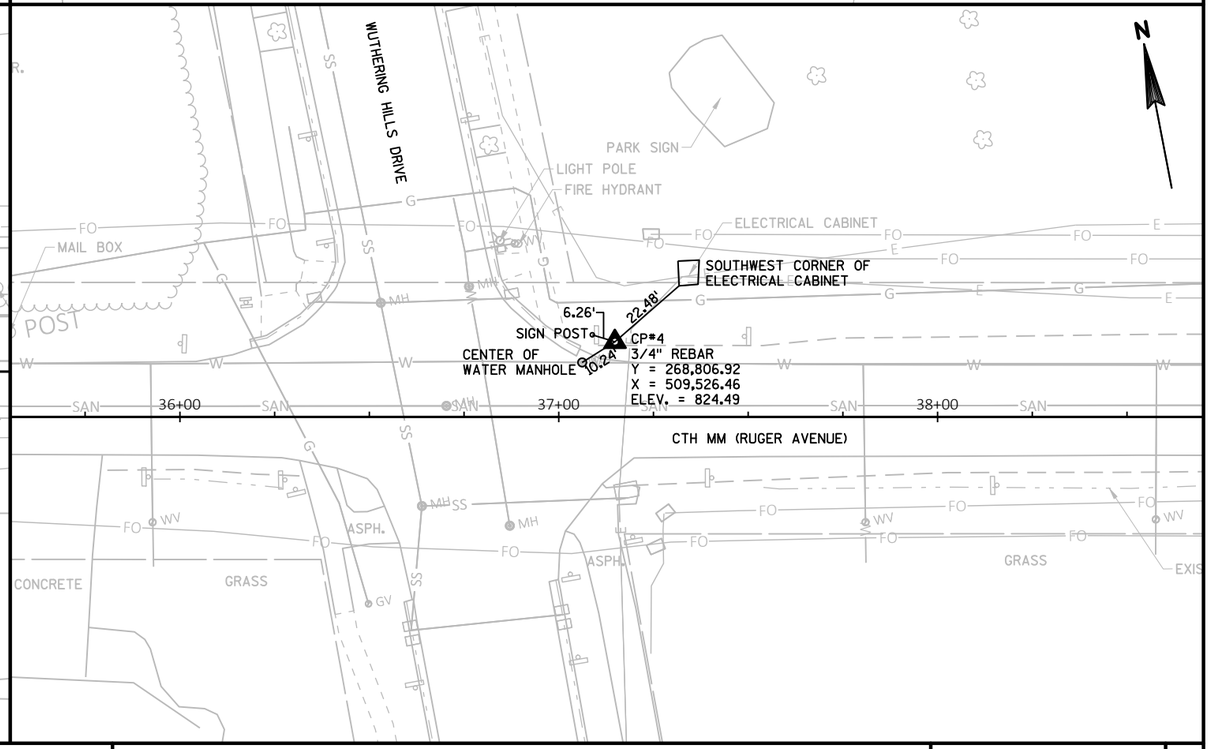
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 110	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 027205-ad
PLOT DATE : 8/1/2018 7:12 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



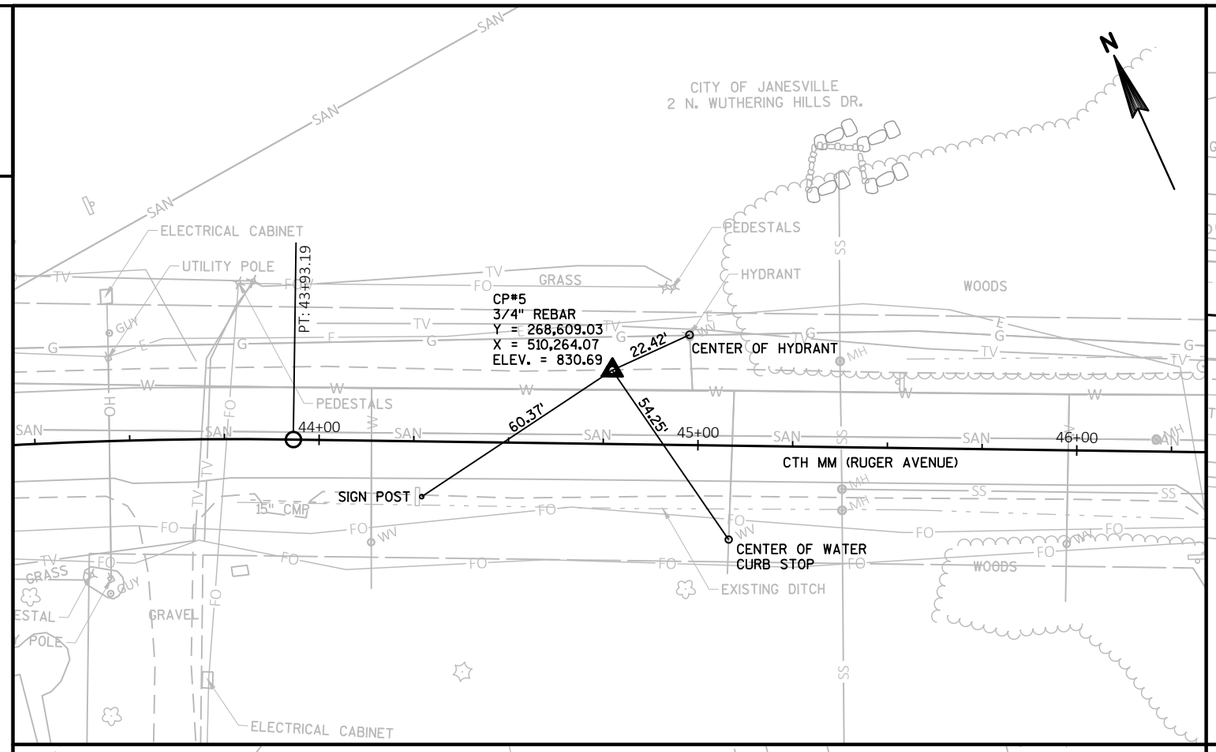


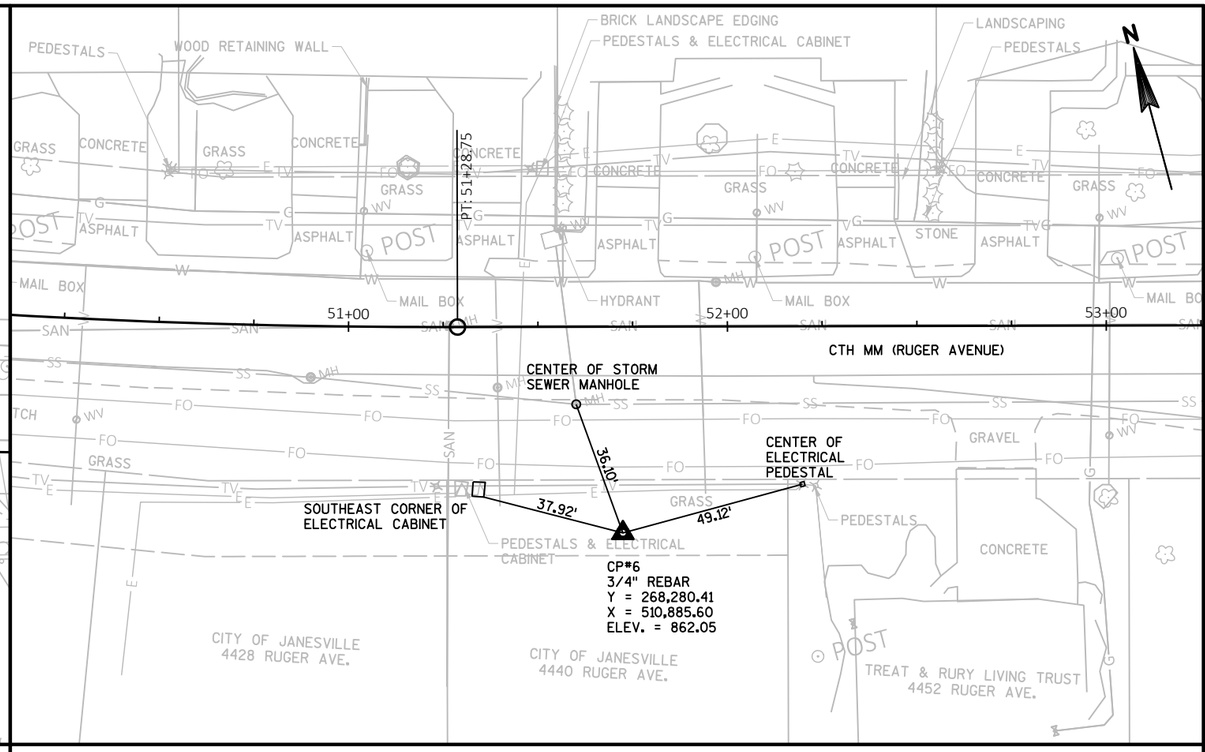


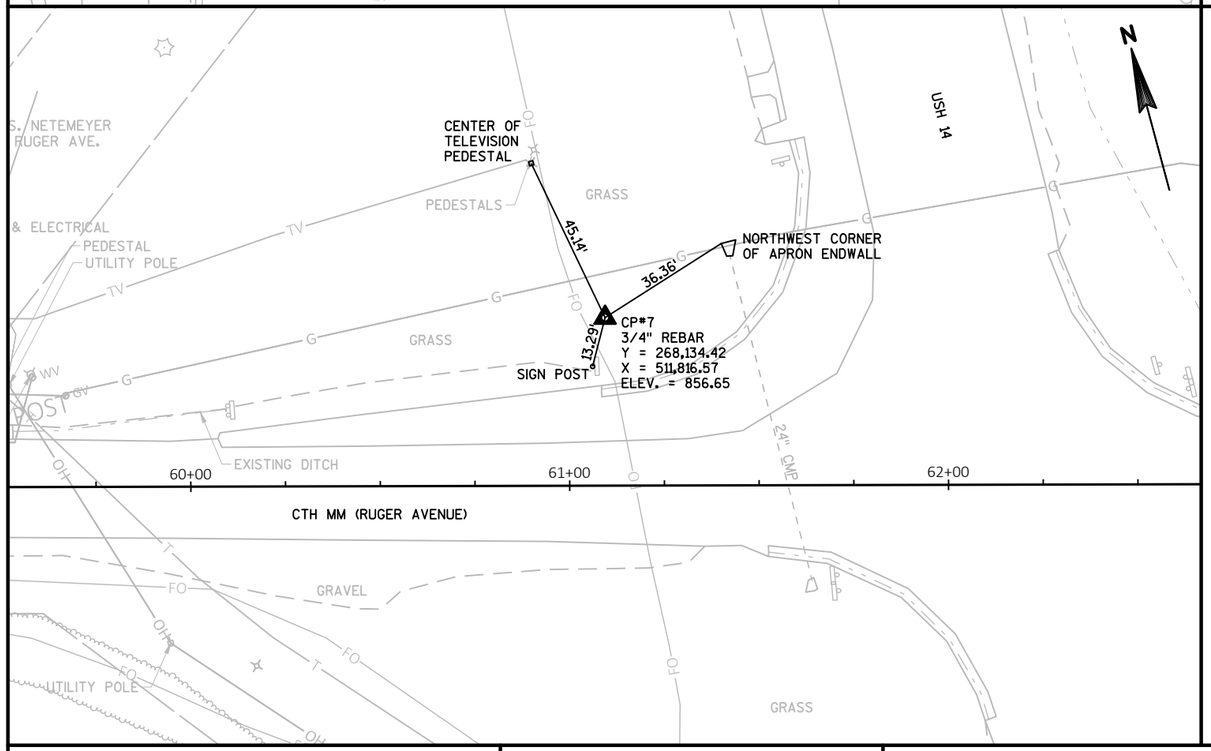


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONTROL POINT TIES	SHEET 111	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp
PLOT DATE : 8/1/2018 9:06 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42







PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CONTROL POINT TIES	SHEET 112	E

5990-00-38

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	38.000	38.000
0004	201.0120	Clearing	ID	92.000	92.000
0006	201.0205	Grubbing	STA	38.000	38.000
0008	201.0220	Grubbing	ID	122.000	122.000
0010	203.0100	Removing Small Pipe Culverts	EACH	10.000	10.000
0012	204.0100	Removing Pavement	SY	775.000	775.000
0014	204.0110	Removing Asphaltic Surface	SY	169.000	169.000
0016	204.0150	Removing Curb & Gutter	LF	500.000	500.000
0018	204.0155	Removing Concrete Sidewalk	SY	73.000	73.000
0020	204.0170	Removing Fence	LF	1,165.000	1,165.000
0022	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0024	204.0210	Removing Manholes	EACH	11.000	11.000
0026	204.0220	Removing Inlets	EACH	10.000	10.000
0028	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	563.000	563.000
0030	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	1,168.000	1,168.000
0032	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	278.000	278.000
0034	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	720.000	720.000
0036	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	131.000	131.000
0038	204.0280	Sealing Pipes	EACH	2.000	2.000
0040	204.9090.S	Removing (item description) 01. Timber Retaining Wall	LF	30.000	30.000
0042	205.0100	Excavation Common	CY	32,980.000	32,980.000
0044	213.0100	Finishing Roadway (project) 01. 5990-00-38	EACH	1.000	1.000
0046	305.0110	Base Aggregate Dense 3/4-Inch	TON	11.000	11.000
0048	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	21,253.000	21,253.000
0050	305.0130	Base Aggregate Dense 3-Inch	TON	304.000	304.000
0052	310.0115	Base Aggregate Open-Graded	CY	93.000	93.000
0054	312.0110	Select Crushed Material	TON	23,730.000	23,730.000
0056	416.0160	Concrete Driveway 6-Inch	SY	1,608.000	1,608.000
0058	455.0605	Tack Coat	GAL	1,174.000	1,174.000
0060	460.2000	Incentive Density HMA Pavement	DOL	4,280.000	4,280.000
0062	460.5223	HMA Pavement 3 LT 58-28 S	TON	3,945.000	3,945.000
0064	460.5225	HMA Pavement 5 LT 58-28 S	TON	2,746.000	2,746.000
0066	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	3.000	3.000
0068	511.1200	Temporary Shoring (structure) 01. R-53-83	SF	2,460.000	2,460.000
0070	517.1010.S	Concrete Staining (structure) 01. R-53-83	SF	1,735.000	1,735.000
0072	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000
0074	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0076	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000

5990-00-38

Line	Item	Item Description	Unit	Total	Qty
0078	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0080	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	1.000	1.000
0082	601.0419	Concrete Curb & Gutter 30-Inch Type L	LF	11,015.000	11,015.000
0084	602.0405	Concrete Sidewalk 4-Inch	SF	29,515.000	29,515.000
0086	602.0415	Concrete Sidewalk 6-Inch	SF	5,850.000	5,850.000
0088	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	180.000	180.000
0090	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	11.780	11.780
0092	606.0200	Riprap Medium	CY	20.000	20.000
0094	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	381.000	381.000
0096	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	9.000	9.000
0098	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	996.000	996.000
0100	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	96.000	96.000
0102	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	168.000	168.000
0104	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	200.000	200.000
0106	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	1,273.000	1,273.000
0108	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	103.000	103.000
0110	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	775.000	775.000
0112	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	148.000	148.000
0114	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	48.000	48.000
0116	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	7.000	7.000
0118	611.0420	Reconstructing Manholes	EACH	4.000	4.000
0120	611.0642	Inlet Covers Type MS	EACH	3.000	3.000
0122	611.2004	Manholes 4-FT Diameter	EACH	10.000	10.000
0124	611.2005	Manholes 5-FT Diameter	EACH	6.000	6.000
0126	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0128	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000
0130	611.3004	Inlets 4-FT Diameter	EACH	11.000	11.000
0132	611.3230	Inlets 2x3-FT	EACH	34.000	34.000

5990-00-38

Line	Item	Item Description	Unit	Total	Qty
0134	611.3901	Inlets Median 1 Grate	EACH	3.000	3.000
0136	611.8110	Adjusting Manhole Covers	EACH	20.000	20.000
0138	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0140	611.9800.S	Pipe Grates	EACH	4.000	4.000
0142	612.0106	Pipe Underdrain 6-Inch	LF	2,325.000	2,325.000
0144	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	325.000	325.000
0146	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	142.400	142.400
0148	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5990-00-38	EACH	1.000	1.000
0150	619.1000	Mobilization	EACH	1.000	1.000
0152	624.0100	Water	MGAL	270.000	270.000
0154	625.0100	Topsoil	SY	22,910.000	22,910.000
0156	627.0200	Mulching	SY	6,465.000	6,465.000
0158	628.1504	Silt Fence	LF	2,020.000	2,020.000
0160	628.1520	Silt Fence Maintenance	LF	2,020.000	2,020.000
0162	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0164	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0166	628.2006	Erosion Mat Urban Class I Type A	SY	2,000.000	2,000.000
0168	628.2008	Erosion Mat Urban Class I Type B	SY	9,255.000	9,255.000
0170	628.7005	Inlet Protection Type A	EACH	6.000	6.000
0172	628.7020	Inlet Protection Type D	EACH	56.000	56.000
0174	628.7504	Temporary Ditch Checks	LF	100.000	100.000
0176	628.7555	Culvert Pipe Checks	EACH	20.000	20.000
0178	628.7560	Tracking Pads	EACH	4.000	4.000
0180	629.0210	Fertilizer Type B	CWT	14.500	14.500
0182	630.0110	Seeding Mixture No. 10	LB	25.000	25.000
0184	630.0120	Seeding Mixture No. 20	LB	107.000	107.000
0186	630.0140	Seeding Mixture No. 40	LB	178.000	178.000
0188	631.0300	Sod Water	MGAL	407.000	407.000
0190	631.1000	Sod Lawn	SY	7,200.000	7,200.000
0192	632.0101	Trees (species) (size) (root) 01. American Yellowwood, B&B, 2-Inch Cal.	EACH	8.000	8.000
0194	632.0101	Trees (species) (size) (root) 02. Autumn Gold Ginkgo, B&B, 2-Inch Cal.	EACH	11.000	11.000
0196	632.0101	Trees (species) (size) (root) 03. Crimson Spire Oak, B&B, 2-Inch Cal.	EACH	16.000	16.000
0198	632.0101	Trees (species) (size) (root) 04. Japanese Tree Lilac, 'Ivory Silk', B&B, 2-Inch Cal.	EACH	28.000	28.000
0200	632.0101	Trees (species) (size) (root) 05. Japanese Zelkova, B&B, 2-Inch Cal.	EACH	10.000	10.000
0202	632.0101	Trees (species) (size) (root) 06. Katsura, B&B, 2-Inch	EACH	11.000	11.000

Line	Item	Item Description	Unit	Total	Qty
		Cal.			
0204	632.0101	Trees (species) (size) (root) 07. London Plane Tree, B&B, 2-Inch Cal.	EACH	10.000	10.000
0206	632.0101	Trees (species) (size) (root) 08. Northern Catalpa, B&B, 2-Inch Cal.	EACH	2.000	2.000
0208	632.0101	Trees (species) (size) (root) 09. Paperbark Maple, B&B, 2-Inch Cal.	EACH	7.000	7.000
0210	632.0101	Trees (species) (size) (root) 10. Regal Prince Oak, B&B, 2-Inch Cal.	EACH	12.000	12.000
0212	632.0101	Trees (species) (size) (root) 11. Swamp White Oak, B&B, 2-Inch Cal.	EACH	15.000	15.000
0214	632.0101	Trees (species) (size) (root) 12. Sargent Cherry, B&B, 2-Inch Cal.	EACH	17.000	17.000
0216	632.0101	Trees (species) (size) (root) 13. Tulip Tree, B&B, 2-Inch Cal.	EACH	5.000	5.000
0218	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	14.000	14.000
0220	633.5100	Markers Row	EACH	3.000	3.000
0222	633.5200	Markers Culvert End	EACH	5.000	5.000
0224	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	1.000	1.000
0226	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	3.000	3.000
0228	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	27.000	27.000
0230	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	3.000	3.000
0232	637.2210	Signs Type II Reflective H	SF	217.950	217.950
0234	637.2230	Signs Type II Reflective F	SF	18.000	18.000
0236	638.2102	Moving Signs Type II	EACH	4.000	4.000
0238	638.2602	Removing Signs Type II	EACH	25.000	25.000
0240	638.3000	Removing Small Sign Supports	EACH	21.000	21.000
0242	642.5201	Field Office Type C	EACH	1.000	1.000
0244	643.0300	Traffic Control Drums	DAY	755.000	755.000
0246	643.0410	Traffic Control Barricades Type II	DAY	756.000	756.000
0248	643.0420	Traffic Control Barricades Type III	DAY	5,540.000	5,540.000
0250	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	35.000	35.000
0252	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	35.000	35.000
0254	643.0705	Traffic Control Warning Lights Type A	DAY	11,100.000	11,100.000
0256	643.0715	Traffic Control Warning Lights Type C	DAY	100.000	100.000
0258	643.0900	Traffic Control Signs	DAY	24,582.000	24,582.000
0260	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
0262	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0264	643.5000	Traffic Control	EACH	1.000	1.000
0266	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	2,000.000	2,000.000
0268	644.1420.S	Temporary Pedestrian Surface Plywood	SF	50.000	50.000

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Line	Item	Item Description	Unit	Total	Qty
0270	644.1430.S	Temporary Pedestrian Surface Plate	SF	50.000	50.000
0272	644.1601.S	Temporary Curb Ramp	EACH	12.000	12.000
0274	644.1616.S	Temporary Pedestrian Safety Fence	LF	500.000	500.000
0276	645.0111	Geotextile Type DF Schedule A	SY	1,292.000	1,292.000
0278	645.0120	Geotextile Type HR	SY	69.000	69.000
0280	646.1020	Marking Line Epoxy 4-Inch	LF	26,555.000	26,555.000
0282	646.3020	Marking Line Epoxy 8-Inch	LF	215.000	215.000
0284	646.5020	Marking Arrow Epoxy	EACH	22.000	22.000
0286	646.5220	Marking Symbol Epoxy	EACH	20.000	20.000
0288	646.6120	Marking Stop Line Epoxy 18-Inch	LF	165.000	165.000
0290	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	780.000	780.000
0292	646.9100	Marking Removal Line 8-Inch	LF	3.000	3.000
0294	646.9200	Marking Removal Line Wide	LF	20.000	20.000
0296	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	900.000	900.000
0298	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	1,200.000	1,200.000
0300	650.4000	Construction Staking Storm Sewer	EACH	71.000	71.000
0302	650.4500	Construction Staking Subgrade	LF	5,420.000	5,420.000
0304	650.5000	Construction Staking Base	LF	5,420.000	5,420.000
0306	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	11,015.000	11,015.000
0308	650.6500	Construction Staking Structure Layout (structure) 01. R-53-83	LS	1.000	1.000
0310	650.8500	Construction Staking Electrical Installations (project) 01. 5990-00-38	LS	1.000	1.000
0312	650.9000	Construction Staking Curb Ramps	EACH	15.000	15.000
0314	650.9910	Construction Staking Supplemental Control (project) 01. 5990-00-38	LS	1.000	1.000
0316	650.9920	Construction Staking Slope Stakes	LF	5,420.000	5,420.000
0318	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,415.000	5,415.000
0320	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	126.000	126.000
0322	653.0140	Pull Boxes Steel 24x42-Inch	EACH	3.000	3.000
0324	654.0105	Concrete Bases Type 5	EACH	31.000	31.000
0326	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0328	655.0610	Electrical Wire Lighting 12 AWG	LF	3,987.000	3,987.000
0330	655.0620	Electrical Wire Lighting 8 AWG	LF	5,172.000	5,172.000
0332	655.0625	Electrical Wire Lighting 6 AWG	LF	1,836.000	1,836.000
0334	655.0630	Electrical Wire Lighting 4 AWG	LF	9,894.000	9,894.000
0336	655.0635	Electrical Wire Lighting 2 AWG	LF	858.000	858.000
0338	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Station 40+00.00, 48.50' LT	LS	1.000	1.000
0340	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	31.000	31.000
0342	657.0322	Poles Type 5-Aluminum	EACH	31.000	31.000

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Line	Item	Item Description	Unit	Total	Qty
0344	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	1.000	1.000
0346	657.0705	Luminaire Arms Truss Type 4 1/2-Inch Clamp 10-FT	EACH	30.000	30.000
0348	659.1120	Luminaires Utility LED B	EACH	31.000	31.000
0350	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0352	690.0150	Sawing Asphalt	LF	603.000	603.000
0354	690.0250	Sawing Concrete	LF	737.000	737.000
0356	740.0440	Incentive IRI Ride	DOL	4,100.000	4,100.000
0358	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	850.000	850.000
0360	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0362	SPV.0060	Special 01. Mailbox Removal and Temporary Mailboxes	EACH	36.000	36.000
0364	SPV.0060	Special 02. Manhole Cover Type Special Logo	EACH	17.000	17.000
0366	SPV.0060	Special 03. Inlet Cover Type H Special Logo	EACH	24.000	24.000
0368	SPV.0060	Special 04. Inlet Cover Type H Special Logo LP	EACH	21.000	21.000
0370	SPV.0060	Special 05. Utility Line Opening (ULO)	EACH	27.000	27.000
0372	SPV.0060	Special 06. Sanitary Manhole Chimney Seal	EACH	17.000	17.000
0374	SPV.0060	Special 07. Remove and Salvage Light Pole Assembly	EACH	2.000	2.000
0376	SPV.0060	Special 08. Adjust Water Curb Stop Box	EACH	56.000	56.000
0378	SPV.0060	Special 09. Remove and Salvage Flashing Stop Sign Assembly	EACH	2.000	2.000
0380	SPV.0060	Special 10. City Supplied, Contractor Installed Water Curb Stop Drive Over Sleeve	EACH	35.000	35.000
0382	SPV.0105	Special 01. Locate and Reference Property Corners	LS	1.000	1.000
0384	SPV.0105	Special 02. Reset Property Corners	LS	1.000	1.000
0386	SPV.0120	Special 01. Water For Seeded Areas	MGAL	889.000	889.000
0388	SPV.0165	Special 01. Wall Modular Block Gravity (R-53-83)	SF	1,735.000	1,735.000
0390	SPV.0165	Special 02. Wall Modular Block Gravity Landscape	SF	700.000	700.000

3

CLEARING & GRUBBING

CATEGORY	STATION	TO STATION	LOCATION	(201.0105) CLEARING STA	(201.0120) CLEARING ID	(201.0205) GRUBBING STA	(201.0220) GRUBBING ID
0010	8+00	11+00	LT & RT	3	-	3	-
	12+00	21+00	LT & RT	9	-	9	-
	17+81	-	LT	-	32	-	32
	18+29	-	LT	-	18	-	18
	21+00	36+00	LT & RT	15	-	15	-
	45+00	49+50	LT & RT	5	-	5	-
	50+02	-	LT	-	6	-	6
	50+03	-	LT	-	6	-	6
	51+57	-	LT	-	6	-	6
	52+54	-	LT	-	6	-	6
	52+54	-	LT	-	6	-	6
	55+08	-	RT	-	-	-	30
	56+65	-	LT	-	12	-	12
	200+00	206+00	LT & RT (SWALE)	6	-	6	-
	PROJECT TOTALS			**38**	**92**	**38**	**122**

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	TO STATION	LOCATION	(203.0100) EACH	PIPE LENGTH	PIPE SIZE
0010	9+79	10+04	LT	1	25'	12" CMP
	10+39	10+61	RT	1	22'	12" PVC
	10+79	11+03	LT	1	24'	15" CMP
	11+34	11+82	LT	1	48'	15" CMP
	13+18	13+66	LT	1	48'	15" CMP
	15+35	15+73	LT	1	38'	15" CMP
	32+89	33+14	RT	1	25'	12" PVC
	43+82	44+02	RT	1	20'	15" CMP
	46+33	46+54	RT	1	21'	12" PVC
	61+42	61+64	LT & RT	1	95'	24" CMP
	PROJECT TOTAL			**10**		

REMOVING EXISTING MULTI-USE PATH

CATEGORY	STATION	TO STATION	LOCATION	(204.0110) REMOVING ASPHALTIC SURFACE SY	* (690.0150) SAWING ASPHALT LF
0010	36+21	36+33	LT	33	10
	36+31	36+54	RT	43	-
	37+02	37+21	RT	92	10
	PROJECT TOTALS			**169**	**20**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) REMOVING CURB & GUTTER LF	* (690.0250) SAWING CONCRETE LF
0010	7+46	7+48	RT	15	5
	7+76	8+09	LT	53	2.5
	7+95	8+10	RT	50	2.5
	25+07	25+08	RT	2	2.5
	36+19	36+41	LT	54	2.5
	36+60	36+61	RT	2	2.5
	36+77	37+06	LT	62	2.5
	37+00	37+00	RT	2	2.5
	53+43	53+51	RT	58	2.5
	53+92	53+93	RT	57	2.5
	61+08	61+58	LT	66	2.5
	61+52	62+11	RT	79	-
	PROJECT TOTALS			**500**	**30**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) REMOVING CONCRETE SIDEWALK SY	* (690.0250) SAWING CONCRETE LF
0010	7+36	7+43	RT	6	15
	7+80	7+90	LT	16	5
	36+21	36+33	LT	10	-
	36+32	36+41	LT	5	-
	36+41	36+46	RT	3	5
	36+84	37+02	LT	33	5
	PROJECT TOTALS			**73**	**30**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVING FENCE

CATEGORY	STATION	TO STATION	LOCATION	(204.0170) LF
0010	21+02	32+54	LT	1,165
	PROJECT TOTAL			**1,165**

REMOVING TIMBER RETAINING WALL

CATEGORY	STATION	TO STATION	LOCATION	(204.9090.S.01) LF
0010	10+62	10+84	RT	30
	PROJECT TOTAL			**30**

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REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0010	7+86	28' LT	-	1
	7+87	15' RT	1	-
	8+09	21' RT	-	1
	12+75	22' LT	-	1
	13+13	10' RT	1	-
	21+86	12' RT	1	-
	25+14	12' RT	1	-
	25+87	12' RT	1	-
	29+06	12' RT	1	-
	31+57	18' RT	-	1
	36+36	30' LT	-	1
	36+53	30' LT	1	-
	36+88	31' LT	-	1
	37+18	21' RT	-	1
	45+37	23' LT	-	1
	45+38	11' RT	1	-
	45+38	17' RT	-	1
	50+90	14' RT	1	-
	51+55	21' LT	-	1
	51+60	20' RT	1	-
	53+51	20' RT	1	-
	PROJECT TOTALS		**11**	**10**

REMOVING STORM SEWER

CATEGORY	STATION	TO STATION	LOCATION	SIZE 01. (204.0245.01) 12-INCH LF	SIZE 02. (204.0245.02) 15-INCH LF	SIZE 03. (204.0245.03) 18-INCH LF	SIZE 04. (204.0245.04) 24-INCH LF	SIZE 05. (204.0245.05) 30-INCH LF	(204.0280) SEALING PIPES EACH
0010	7+86	7+87	LT & RT	43	-	-	-	-	-
	7+87	8+09	RT	23	-	-	-	-	-
	7+87	13+13	RT	-	526	-	-	-	-
	12+75	13+13	LT & RT	49	-	-	-	-	-
	21+77	21+86	RT	-	-	17	-	-	-
	21+86	25+14	RT	-	-	-	328	-	-
	25+14	25+87	RT	-	-	-	73	-	-
	25+87	29+06	RT	-	-	-	319	-	-
	29+04	29+06	LT & RT	-	-	-	-	131	-
	29+06	31+57	RT	251	-	-	-	-	-
	36+36	36+53	LT	17	-	-	-	-	-
	36+53	36+88	LT	35	-	-	-	-	-
	36+64	37+18	RT	54	-	-	-	-	1
	45+37	45+37	LT	-	50	-	-	-	-
	45+37	45+38	LT & RT	-	34	-	-	-	-
	45+38	45+38	RT	-	6	-	-	-	-
	45+38	50+90	RT	-	552	-	-	-	-
	50+90	51+60	RT	-	-	70	-	-	-
	51+55	51+60	LT & RT	42	-	-	-	-	-
	51+60	53+51	RT	-	-	191	-	-	-
	53+92	54+38	RT	49	-	-	-	-	1
		PROJECT TOTALS		**563**	**1,168**	**278**	**720**	**131**	**2**

3

EARTHWORK PROJECT I.D. 5990-00-38

Division	From/To Station	Location	Excavation Common (1) Cut (2)	(item # 205.0100) EBS Excavation (3)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor 1.25	Mass Ordinate +/- (14)	Waste	Borrow (item #208.0100)	Comment:
1	7+00 to 62+50	Ruger Avenue	28,916	0	2,509	26,406	3,180	3,975	22,431	22,431	0	
	200+00 to 206+13	Drainage Swale	1,861	0	0	1,861	0	0	1,861	1,861	0	
	Undistributed (EBS)		0	2,204								
	Project Totals		30,776	2,204	2,509	28,267	3,180	3,975	24,292	24,292	0	
	Overall Project Total		**32,980**									

1) Excavation Common 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 Crushed Material
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
13) Expanded Fill. Factor = 1.25
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
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.

HMA PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(312.0110) SELECT CRUSHED MATERIAL TON	(460.5223) HMA PAVEMENT 3 LT 58-28 S TON	* (460.5225) HMA PAVEMENT 5 LT 58-28 S TON	(455.0605) TACK COAT GAL	(624.0100) WATER MGAL	* (690.0150) SAWING ASPHALT LF
0010	7+82	62+02	LT & RT	19,320	19,320	3,945	2,630	1,174	270	410
		UNDISTRIBUTED (EBS)		-	4,410	-	-	-	-	-
		PROJECT TOTALS		**19,320**	**23,730**	**3,945**	**2,630**	**1,174**	**270**	**410**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: WATER IS INCLUDED FOR COMPACTION AND DUST CONTROL

MULTI-USE PATH

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(305.0130) BASE AGGREGATE DENSE 3-INCH TON	* (460.5225) HMA PAVEMENT 5 LT 58-28 S TON
0010	36+20	36+30	LT	3	4	1
	37+11	37+21	RT	26	29	11
	37+13	42+56	LT	247	271	104
		PROJECT TOTALS		**276**	**304**	**116**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

RETAINING WALLS

CATEGORY	STRUCTURE NO.	STATION	TO STATION	LOCATION	(SPV.0165.02) WALL MODULAR BLOCK GRAVITY LANDSCAPE SF	(650.6500.01) CONSTRUCTION STAKING STRUCTURE LAYOUT (R-53-83) LS
0010	-	12+50	14+50	RT	700	-
	R-53-83	26+00	29+00	RT	-	1
			PROJECT TOTALS		**700**	**1**

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0419) CONCRETE CURB & GUTTER 30-INCH TYPE L LF	(650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	7+46	7+48	RT	15	15
	7+76	36+38	LT	2,910	2,910
	8+00	24+92	RT	1,745	1,745
	25+07	36+60	RT	1,185	1,185
	36+77	61+58	LT	2,530	2,530
	37+00	53+51	RT	1,725	1,725
	53+92	62+11	RT	905	905
		PROJECT TOTALS		**11,015**	**11,015**

NOTE: BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CURB & GUTTER IS INCLUDED WITH THE HMA PAVEMENT BID ITEMS

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(602.0405) CONCRETE SIDEWALK 4-INCH SF	* (602.0415) CONCRETE SIDEWALK 6-INCH SF	(602.0515) CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	(602.0615) CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	(650.9000) CONSTRUCTION STAKING CURB RAMPS EACH
0010	7+36	7+47	RT	2	-	85	10	-	1
	7+81	36+39	LT	407	13,200	590	40	11.78	4
	7+95	8+07	RT	7	100	145	20	-	2
	36+20	36+52	RT	10	85	280	20	-	2
	36+83	37+17	LT	17	110	520	40	-	2
	37+04	53+43	RT	230	7,330	455	40	-	3
	42+56	59+90	LT	208	7,050	-	-	-	-
	53+93	57+95	RT	51	1,640	100	10	-	1
		PROJECT TOTALS		**932**	**29,515**	**2,175**	**180**	**11.78**	**15**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

DRIVEWAYS

CATEGORY	STATION	LOCATION	(204.0100) REMOVING PAVEMENT SY	(305.0110) BASE AGGREGATE DENSE 3/4-INCH TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.0160) CONCRETE DRIVEWAY 6-INCH (APRON) SY	(BEHIND SIDEWALK) SY	* (602.0415) CONCRETE SIDEWALK 6-INCH SF	(465.0120) ASPHALT SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* (690.0150) SAWING ASPHALT LF	* (690.0250) SAWING CONCRETE LF
0010	9+17	RT	-	3	4	13	-	-	-	-	-
	9+95	LT	-	-	11	14	9	85	-	-	17
	10+50	RT	-	-	39	13	-	-	1	13	-
	10+90	LT	22	-	1	15	23	85	-	-	17
	11+59	LT	59	-	39	33	60	210	-	-	42
	13+43	LT	96	-	52	34	99	215	-	-	43
	15+60	LT	31	-	35	30	55	190	-	-	38
	17+64	LT	-	2	6	9	-	70	-	-	-
	20+11	LT	-	2	6	10	-	75	-	-	-
	21+87	RT	29	-	10	31	-	-	-	-	18
	24+54	RT	-	-	8	10	-	-	0.1	16	-
	31+69	RT	-	3	5	16	-	-	-	-	-
	33+01	RT	47	-	11	33	-	-	-	-	23
	34+02	RT	-	-	29	16	-	-	0.7	29	-
	35+02	RT	61	-	16	49	-	-	-	-	28
	35+66	RT	69	-	17	51	-	-	-	-	23
	39+70	RT	146	-	40	25	76	160	-	-	38
	41+64	RT	82	-	21	22	24	140	-	-	28
	42+89	RT	58	-	14	17	12	105	-	-	21
	43+60	RT	-	1	7	12	-	70	-	-	-
	46+45	RT	-	-	5	13	-	65	-	10	-
	49+90	LT	-	-	18	19	-	105	0.2	21	-
	50+36	LT	18	-	15	19	16	90	-	-	18
	50+93	LT	10	-	14	20	13	85	-	-	17
	51+37	LT	14	-	16	23	15	90	-	-	18
	51+74	LT	3	-	14	22	11	85	-	-	17
	52+37	LT	1	-	12	20	8	75	-	-	15
	52+71	RT	22	-	19	27	18	105	-	-	24
	52+76	LT	2	-	13	25	5	95	-	-	19
	53+35	LT	-	-	15	22	14	85	-	-	17
	53+81	LT	-	-	16	24	-	90	0.1	18	-
	54+27	LT	-	-	17	24	15	95	-	-	19
	54+59	LT	-	-	14	23	8	85	-	-	17
	54+71	RT	-	-	5	27	-	105	-	-	21
	55+02	LT	-	-	14	21	11	80	-	-	16
	55+48	LT	-	-	14	21	12	80	-	-	16
	55+57	RT	-	-	8	42	-	175	-	-	35
	55+94	LT	1	-	14	21	12	80	-	-	16
	56+44	LT	2	-	14	22	12	85	-	-	17
	56+96	LT	-	-	14	21	11	80	-	-	16
	57+46	LT	1	-	14	23	-	85	0.1	16	4
	57+95	LT	-	-	15	22	-	85	0.1	17	-
	58+20	RT	-	-	10	31	-	-	-	-	-
	58+40	LT	-	-	16	24	15	90	-	-	19
	59+02	LT	-	-	17	24	-	95	0.1	18	-
	59+31	LT	-	-	13	20	-	80	0.1	15	-
	PROJECT TOTALS		**775**	**11**	**725**	**1,053**	**555**	**3,675**	**3**	**173**	**677**
*ADDITIONAL QUANTITIES FOUND ELSEWHERE						**1,608**					

PROPERTY CORNERS

CATEGORY	DESCRIPTION	(SPV.0105.01) LOCATE AND REFERENCE PROPERTY CORNERS LS	(SPV.0105.02) RESET PROPERTY CORNERS LS
0010	PROJECT 5990-00-38	1	1
	PROJECT TOTALS	**1**	**1**

MARKERS ROW

CATEGORY	ROW POINT NO.	STATION	LOCATION	(633.5100) EACH
0010	7	21+01.27	52.59' LT	1
	8	22+50.00	66.40' LT	1
	11	34+47.10	66.40' LT	1
		PROJECT TOTAL		**3**

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.4500) SUBGRADE LF	(650.5000) BASE LF	(650.8500.01) ELECTRICAL INSTALLATIONS LS	(650.9910.01) SUPPLEMENTAL CONTROL LS	(650.9920) SLOPE STAKES LF
0010	7+82	62+02	LT & RT	5,420	5,420	-	-	5,420
		PROJECT 5990-00-38		-	-	1	1	-
		PROJECT TOTALS		**5,420**	**5,420**	**1**	**1**	**5,420**

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE ID	TO STRUCTURE ID	(608.0312) CLASS III 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	(608.0412) CLASS IV 12-INCH LF	(608.0415) CLASS IV 15-INCH LF	(608.0418) CLASS IV 18-INCH LF	(608.0424) CLASS IV 24-INCH LF	(608.0430) CLASS IV 30-INCH LF	(608.2429) HORIZONTAL ELLIPTICAL CLASS HE-IV 29x45-INCH LF	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH LF	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0010	1.1	1.2	-	-	-	-	-	-	-	-	31	-	-	-	-
	1.1	1.1A	-	-	-	-	-	-	35	-	-	-	-	-	-
	1.1A	1.1B	-	-	-	-	-	10	-	-	-	-	-	-	-
	1.2	1.3	-	-	-	-	-	-	397	-	-	-	-	-	-
	1.2	1.2A	-	-	-	-	-	-	-	30	-	-	-	-	-
	1.2	1.2B	-	-	-	-	-	-	10	-	-	-	-	-	-
	1.2A	1.2C	-	-	-	-	-	-	26	-	-	-	-	-	-
	1.2A	1.2E	31	-	-	-	-	-	-	-	-	-	-	-	-
	1.2B	1.2D	-	-	-	-	-	10	-	-	-	-	-	-	-
	1.3	1.3A	-	-	-	-	-	29	-	-	-	-	-	-	-
	1.3	1.3B	-	-	-	-	-	11	-	-	-	-	-	-	-
	EW.2	2.1	-	-	106	-	-	-	-	-	-	-	-	-	-
	2.1	2.2	-	-	-	-	-	-	-	29	-	-	-	-	-
	2.1	2.1A	-	-	-	-	-	10	-	-	-	-	-	-	-
	2.2	3.1	-	-	-	-	-	-	400	-	-	-	-	-	-
	2.2	2.2B	-	-	-	-	-	-	11	-	-	-	-	-	-
	2.2A	2.2B	-	-	-	-	-	10	-	-	-	-	-	-	-
	2.2B	2.2C	-	-	-	-	-	10	-	-	-	-	-	-	-
	2.2C	2.2D	-	-	-	-	-	10	-	-	-	-	-	-	-
	3.1	3.1A	29	-	-	-	-	-	-	-	-	-	-	-	-
	3.1	3.1B	11	-	-	-	-	-	-	-	-	-	-	-	-
	3.2	STUB	7	-	-	-	-	-	-	-	-	-	-	-	1
	3.2	4.1	-	-	72	-	-	-	-	-	-	-	-	-	-
	4.1	STUB	-	-	-	-	-	-	-	-	-	-	-	7	-
	4.1	4.2	-	-	-	-	168	-	-	-	-	-	-	-	-
	4.2	4.3	-	-	-	-	-	-	-	-	-	148	-	-	-
	4.2	4.2A	29	-	-	-	-	-	-	-	-	-	-	-	-
	4.2	4.2B	11	-	-	-	-	-	-	-	-	-	-	-	-
	4.3	EW.4	-	-	-	-	-	-	-	-	-	-	48	-	-
	4.3	4.4	-	-	-	-	-	-	-	-	201	-	-	-	-
	4.4	4.4A	-	-	-	-	-	-	29	-	-	-	-	-	-
	4.4	4.4B	-	-	-	-	-	-	11	-	-	-	-	-	-
	4.4A	4.4C	-	-	-	-	-	10	-	-	-	-	-	-	-
	4.4B	4.4D	-	-	-	-	-	10	-	-	-	-	-	-	-
	5.1	5.2	-	-	-	-	-	-	-	44	-	-	-	-	-
	5.1	5.1A	-	-	-	-	-	10	-	-	-	-	-	-	-
	5.1	5.1B	-	-	-	-	-	40	-	-	-	-	-	-	-
	5.1B	5.1C	-	-	-	-	-	10	-	-	-	-	-	-	-
	5.2	STUB	-	-	-	7	-	-	-	-	-	-	-	-	1
	5.2	6.1	-	-	-	-	-	-	-	-	106	-	-	-	-
	6.1	6.2	-	-	-	-	-	-	-	-	10	-	-	-	-
	6.1	6.1A	-	-	-	-	-	-	40	-	-	-	-	-	-
	6.1A	6.1B	-	-	-	-	-	10	-	-	-	-	-	-	-
	6.1A	6.1C	27	-	-	-	-	-	-	-	-	-	-	-	-
	6.2	6.3	-	-	-	-	-	-	-	-	370	-	-	-	-
	6.3	EW.6	26	-	-	-	-	-	-	-	-	-	-	-	-
	6.3	6.3A	40	-	-	-	-	-	-	-	-	-	-	-	-
	6.3A	6.3B	10	-	-	-	-	-	-	-	-	-	-	-	-
	EW.7	7.1	-	-	-	33	-	-	-	-	-	-	-	-	-
	7.1	7.2	-	-	-	29	-	-	-	-	-	-	-	-	-
	7.2	7.3	-	-	403	-	-	-	-	-	-	-	-	-	-
	7.2	7.2A	-	-	-	11	-	-	-	-	-	-	-	-	-
	7.2A	7.2B	10	-	-	-	-	-	-	-	-	-	-	-	-
	7.3	8.1	-	-	101	-	-	-	-	-	-	-	-	-	-
	7.3	7.3A	32	-	-	-	-	-	-	-	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPE REINFORCED CONCRETE (CONTINUED)

CATEGORY	FROM STRUCTURE ID	TO STRUCTURE ID	(608.0312) CLASS III 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	(608.0412) CLASS IV 12-INCH LF	(608.0415) CLASS IV 15-INCH LF	(608.0418) CLASS IV 18-INCH LF	(608.0424) CLASS IV 24-INCH LF	(608.0430) CLASS IV 30-INCH LF	(608.2429) HORIZONTAL ELLIPTICAL CLASS HE-IV 29x45-INCH LF	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH LF	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0010	7.3	7.3B	8	-	-	-	-	-	-	-	-	-	-	-	-
	8.1	8.2	-	-	281	-	-	-	-	-	-	-	-	-	-
	8.2	8.3	-	-	33	-	-	-	-	-	-	-	-	-	-
	8.2	8.2A	27	-	-	-	-	-	-	-	-	-	-	-	-
	8.2	8.2B	13	-	-	-	-	-	-	-	-	-	-	-	-
	8.3	STUB	-	9	-	-	-	-	-	-	-	-	-	-	1
	9.1	10.2	-	-	-	-	-	-	301	-	-	-	-	-	-
	9.1	9.1A	27	-	-	-	-	-	-	-	-	-	-	-	-
	9.1	9.1B	13	-	-	-	-	-	-	-	-	-	-	-	-
	EW.10	10.1	-	-	-	16	-	-	-	-	-	-	-	-	-
	10.1	10.2	-	-	-	-	-	-	-	-	57	-	-	-	-
	10.2	10.2A	-	-	-	-	-	-	13	-	-	-	-	-	-
	10.2A	10.2B	-	-	-	-	-	10	-	-	-	-	-	-	-
	10.2A	10.2C	30	-	-	-	-	-	-	-	-	-	-	-	-
	PROJECT TOTALS		**381**	**9**	**996**	**96**	**168**	**200**	**1,273**	**103**	**775**	**148**	**48**	**7**	**3**

PIPE UNDERDRAIN

CATEGORY	LOW POINT STRUCTURE	LOW POINT STATION	LOW POINT LOCATION	(612.0106) PIPE UNDERDRAIN 6-INCH LF	(310.0115) BASE AGGREGATE OPEN-GRADED CY	(645.0111) GEOTEXTILE TYPE DF SCHEDULE A SY
0010	1.2A	8+16.50	23.50' LT	150	6	83
	1.2B	8+16.50	16.50' RT	150	6	83
	1.3A	12+13.00	23.50' LT	50	2	28
	1.3B	12+13.00	16.50' RT	50	2	28
	2.1	17+12.00	23.50' LT	150	6	83
	2.2B	17+12.00	16.50' RT	150	6	83
	3.1A	21+12.00	23.50' LT	50	2	28
	3.1B	21+12.00	16.50' RT	50	2	28
	4.2A	27+55.00	23.50' LT	50	2	28
	4.2B	27+55.00	16.50' RT	50	2	28
	4.4A	31+04.00	23.50' LT	150	6	83
	4.4B	31+04.00	16.50' RT	150	6	83
	5.1	36+10.00	23.50' LT	50	2	28
	5.1B	36+10.00	16.50' RT	50	2	28
	6.1	37+60.00	23.50' LT	150	6	83
	6.1A	37+60.00	16.50' RT	150	6	83
	6.3	41+40.00	23.50' LT	50	2	28
	6.3A	41+40.00	16.50' RT	50	2	28
	7.1	45+38.00	23.50' LT	50	2	28
	7.2B	45+48.00	16.50' RT	50	2	28
	7.3A	49+40.00	20.60' LT	50	2	28
	7.3B	49+40.00	19.40' RT	50	2	28
	8.2A	53+20.00	16.50' LT	50	2	28
	8.2B	53+20.00	23.50' RT	50	2	28
	9.1A	58+55.00	16.50' LT	50	2	28
	9.1B	58+55.00	23.50' RT	50	2	28
	10.1	61+50.00	46.00' LT	75	3	42
	10.2C	61+70.00	50.00' RT	150	6	83
	PROJECT TOTALS			**2,325**	**93**	**1,292**

ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	* (611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH
0010	36+64	23' RT	1	-
	53+45	48' RT	-	1
	53+92	47' RT	-	1
	PROJECT TOTALS		**1**	**2**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.05) EACH	UTILIITY
0010	8+19	37' LT	1	GAS & FIBER OPTIC
	17+05	50' LT	1	TV & ELECTRIC
	17+10	35' LT	1	GAS & FIBER OPTIC
	20+50	6' RT	1	WATERMAIN
	21+12	14' LT	1	WATERMAIN
	26+47	6' RT	1	WATERMAIN
	27+32	6' RT	1	WATERMAIN
	28+15	6' RT	1	WATERMAIN
	29+00	33' LT	1	GAS
	29+01	14' LT	1	WATERMAIN
	36+16	24' LT	1	GAS
	39+81	24' LT	1	TV & ELECTRIC
	41+40	34' LT	1	GAS & ELECTRIC
	45+38	14' LT	1	WATERMAIN
	45+97	6' RT	1	WATERMAIN
	46+80	5' RT	1	WATERMAIN
	49+40	13' LT	1	WATERMAIN
	50+29	15' RT	1	WATERMAIN
	51+46	13' RT	1	TV & ELECTRIC
	53+01	11' RT	1	WATERMAIN
	53+20	11' LT	1	WATERMAIN
	58+55	24' RT	1	TV
	58+55	11' LT	1	WATERMAIN
	59+15	11' RT	1	WATERMAIN
	61+43	60' LT	1	GAS
	UNDISTRIBUTED		2	
	PROJECT TOTAL		**27**	

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2005) MANHOLES 5-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.2008) MANHOLES 8-FT DIAMETER EACH	(611.3004) INLETS 4-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	(SPV.0060.02) MANHOLE COVER TYPE SPECIAL LOGO EACH	(SPV.0060.03) INLET COVER TYPE H SPECIAL LOGO EACH	(SPV.0060.04) INLET COVER TYPE H SPECIAL LOGO LP EACH	(611.0642) INLET COVERS TYPE MS EACH	* (650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	RIM ELEVATION	INVERT
0010	1.1	7+86.90	14.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	808.53	2.73	809.78	805.80
	1.1A	7+96.02	48.11' RT	-	-	-	-	-	1	-	-	1	-	-	1	809.15	2.43	810.36	806.72
	1.1B	7+97.94	57.92' RT	-	-	-	-	-	1	-	-	1	-	-	1	809.85	2.83	811.06	807.02
	1.2	8+16.50	6.50' RT	-	1	-	-	-	-	-	1	-	-	-	1	808.37	2.42	809.62	805.95
	1.2A	8+16.50	23.50' LT	-	-	-	-	1	-	-	-	-	1	-	1	808.15	1.52	809.36	806.63
	1.2B	8+16.50	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	808.17	1.42	809.38	806.75
	1.2C	7+90.60	25.15' LT	-	-	-	-	-	1	-	-	-	1	-	1	807.91	0.90	809.12	807.01
	1.2D	8+26.50	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	808.31	1.26	809.52	807.05
	1.2E	8+20.00	54.50' LT	-	-	-	-	-	-	1	-	-	-	1	1	809.75	2.46	809.75	807.29
	1.3	12+13.00	5.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	812.44	1.77	813.69	810.67
	1.3A	12+13.00	23.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	812.15	1.09	813.36	811.06
	1.3B	12+13.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	812.29	1.32	813.50	810.97
	2.1	17+12.00	23.50' LT	-	-	-	-	1	-	-	-	-	1	-	1	813.98	2.51	815.19	811.47
	2.1A	17+22.00	23.50' LT	-	-	-	-	-	1	-	-	-	1	-	1	813.99	1.97	815.20	812.02
	2.2	17+12.00	5.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	814.29	2.67	815.54	811.62
	2.2A	17+02.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	814.14	1.91	815.35	812.23
	2.2B	17+12.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	814.12	2.19	815.33	811.93
	2.2C	17+22.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	814.14	1.91	815.35	812.23
	2.2D	17+32.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	814.16	1.88	815.37	812.28
	3.1	21+12.00	5.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	819.67	5.80	820.92	813.87
	3.1A	21+12.00	23.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	819.37	4.29	820.58	815.08
	3.1B	21+12.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	819.51	4.52	820.72	814.99
	3.2	25+15.25	5.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	826.11	5.91	827.36	820.20
	4.1	25+86.80	5.50' RT	-	1	-	-	-	-	-	1	-	-	-	1	825.26	6.32	826.51	818.94
	4.2	27+55.00	5.50' RT	-	1	-	-	-	-	-	1	-	-	-	1	822.66	4.92	823.91	817.74
	4.2A	27+55.00	23.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	822.37	2.99	823.58	819.38
	4.2B	27+55.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	822.51	3.21	823.72	819.30
	4.3	29+02.00	5.50' RT	-	-	-	1	-	-	-	1	-	-	-	1	820.71	3.72	821.96	816.99
	4.4	31+04.00	5.50' RT	1	-	-	-	-	-	-	1	-	-	-	1	819.65	2.40	820.90	817.25
	4.4A	31+04.00	23.50' LT	-	-	-	-	-	1	-	-	-	1	-	1	819.39	1.72	820.60	817.67
	4.4B	31+04.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	819.52	1.96	820.73	817.56
	4.4C	31+14.00	23.50' LT	-	-	-	-	-	1	-	-	-	1	-	1	819.36	1.39	820.57	817.97
	4.4D	31+14.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	819.50	1.64	820.71	817.86
	5.1	36+10.00	23.50' LT	-	-	-	-	1	-	-	-	1	-	-	1	822.74	2.87	823.95	819.87
	5.1A	36+00.00	23.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	822.52	2.10	823.73	820.42
	5.1B	36+10.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	822.56	1.95	823.77	820.61
	5.1C	36+00.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	822.46	1.80	823.67	820.66
	5.2	36+54.35	23.50' LT	-	-	1	-	-	-	-	-	-	-	-	1	823.50	3.76	824.75	819.74
	6.1	37+60.00	23.50' LT	-	-	-	-	1	-	-	-	-	1	-	1	822.66	2.54	823.87	820.12
	6.1A	37+60.00	16.50' RT	-	-	-	-	1	-	-	-	-	1	-	1	822.80	1.73	824.01	821.07
	6.1B	37+70.00	16.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	822.82	1.45	824.03	821.37
	6.1C	37+38.00	33.00' RT	-	-	-	-	-	-	1	-	-	-	1	1	823.50	2.04	823.50	821.46
	6.2	37+70.00	23.50' LT	-	-	-	-	1	-	-	-	-	1	-	1	822.68	2.52	823.89	820.16
	6.3	41+40.00	23.50' LT	-	-	-	-	1	-	-	-	1	-	-	1	824.78	4.07	825.99	820.71
	6.3A	41+40.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	824.92	3.01	826.13	821.91
	6.3B	41+30.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	824.86	2.90	826.07	821.96
	7.1	45+38.00	23.50' LT	-	-	-	-	1	-	-	-	1	-	-	1	831.65	4.62	832.86	827.03
	7.2	45+38.00	5.50' RT	-	1	-	-	-	-	-	1	-	-	-	1	832.18	4.86	833.43	827.32
	7.2A	45+38.00	16.50' RT	-	-	-	-	1	-	-	-	1	-	-	1	832.01	4.58	833.22	827.43
	7.2B	45+48.00	16.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	832.43	3.95	833.64	828.48
	7.3	49+40.00	11.00' RT	1	-	-	-	-	-	-	1	-	-	-	1	849.74	5.80	850.99	843.94
	7.3A	49+40.00	20.60' LT	-	-	-	-	-	1	-	-	1	-	-	1	849.43	4.84	850.64	844.59
	7.3B	49+40.00	19.40' RT	-	-	-	-	-	1	-	-	1	-	-	1	849.65	5.17	850.86	844.48
	8.1	50+40.00	15.75' RT	1	-	-	-	-	-	-	1	-	-	-	1	853.98	6.01	855.23	847.97
	8.2	53+20.00	11.00' RT	1	-	-	-	-	-	-	1	-	-	-	1	861.86	6.33	863.11	855.53

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

STORM SEWER STRUCTURES (CONTINUED)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2005) MANHOLES 5-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.2008) MANHOLES 8-FT DIAMETER EACH	(611.3004) INLETS 4-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	(SPV.0060.02) MANHOLE COVER TYPE SPECIAL LOGO EACH	(SPV.0060.03) INLET COVER TYPE H SPECIAL LOGO EACH	(SPV.0060.04) INLET COVER TYPE H SPECIAL LOGO LP EACH	(611.0642) INLET COVERS TYPE MS EACH	* (650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	RIM ELEVATION	INVERT
0010	8.2A	53+20.00	16.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	861.67	4.29	862.88	857.38
	8.2B	53+20.00	23.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	861.66	4.35	862.87	857.31
	8.3	53+53.30	11.00' RT	-	1	-	-	-	-	-	1	-	-	-	1	862.21	6.51	863.46	855.70
	9.1	58+55.00	11.00' RT	1	-	-	-	-	-	-	1	-	-	-	1	861.69	5.59	862.94	856.10
	9.1A	58+55.00	16.50' LT	-	-	-	-	-	1	-	-	1	-	-	1	861.65	4.36	862.86	857.29
	9.1B	58+55.00	23.50' RT	-	-	-	-	-	1	-	-	1	-	-	1	861.51	4.29	862.72	857.22
	10.1	61+50.00	46.00' LT	-	-	-	-	1	-	-	-	-	1	-	1	856.47	2.44	857.68	854.03
	10.2	61+55.00	11.00' RT	-	1	-	-	-	-	-	1	-	-	-	1	856.77	2.62	858.02	854.15
	10.2A	61+57.00	23.50' RT	-	-	-	-	1	-	-	-	-	1	-	1	856.57	2.22	857.78	854.35
	10.2B	61+47.00	23.50' RT	-	-	-	-	-	1	-	-	-	1	-	1	856.59	1.94	857.80	854.65
	10.2C	61+70.00	50.00' RT	-	-	-	-	-	-	1	-	-	-	1	1	856.00	1.25	856.00	854.75
	PROJECT TOTALS			**10**	**6**	**1**	**1**	**11**	**34**	**3**	**17**	**24**	**21**	**3**	**66**				

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

APRON ENDWALLS

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(522.1012) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	(522.1018) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	(522.1024) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	(522.2629) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29x45-INCH EACH	(611.9800.S) PIPE GRATES EACH	(633.5200) MARKERS CULVERT END EACH	* (650.4000) CONSTRUCTION STAKING STORM SEWER EACH	** JOINT TIES FOR CONCRETE PIPE EACH	INVERT
0010	EW.2	16+88.35	126.75' LT	-	1	-	-	1	1	1	6	811.04
	EW.4	29+00.00	42.75' LT	-	-	-	1	1	1	1	6	816.86
	EW.6	41+40.00	49.00' LT	1	-	-	-	-	1	1	6	822.05
	EW.7	45+38.00	56.70' LT	-	-	1	-	1	1	1	6	826.64
	EW.10	61+43.00	60.50' LT	-	-	1	-	1	1	1	6	854.00
	PROJECT TOTALS			**1**	**1**	**2**	**1**	**4**	**5**	**5**	**30**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

**FOR INFORMATION PURPOSES ONLY; NOT A PAY ITEM

WATER SERVICES

CATEGORY	STATION	LOCATION	(SPV.0060.08) ADJUST WATER CURB STOP BOX EACH	(SPV.0060.10) CITY SUPPLIED, CONTRACTOR INSTALLED WATER CURB STOP DRIVE OVER SLEEVE EACH
0020	8+60.8	26.8' RT	1	-
	9+77.0	32.1' LT	1	1
	10+42.2	22.9' RT	1	1
	11+07.6	33.0' LT	1	1
	11+58.3	26.4' RT	1	-
	12+16.1	33.5' LT	1	1
	13+08.5	34.6' LT	1	1
	14+16.2	32.8' LT	1	1
	15+23.2	32.2' LT	1	1
	15+63.0	27.6' RT	1	-
	16+68.8	34.1' LT	1	1
	18+37.4	27.6' RT	1	-
	19+21.7	33.0' LT	1	1
	20+51.1	25.4' RT	1	-
	22+42.3	26.4' RT	1	-
	23+51.6	25.2' RT	1	-
	30+75.0	27.5' RT	1	-
	32+44.9	26.8' RT	1	-
	33+40.1	26.7' RT	1	-
	34+18.9	26.3' RT	1	-
	35+13.6	26.9' RT	1	-
	35+92.8	27.8' RT	1	-
	37+81.0	27.8' RT	1	1
	38+57.6	27.1' RT	1	1
	39+50.1	27.3' RT	1	1
	40+50.0	26.8' RT	1	1
	41+35.5	26.7' RT	1	1
	42+13.2	23.2' RT	1	1
	44+14.1	26.8' RT	1	1
	45+08.5	24.8' RT	1	1
	45+97.6	24.7' RT	1	1
	46+80.0	25.1' RT	1	1
	49+48.8	27.9' RT	1	-
	50+01.2	29.8' LT	-	1
	50+29.3	26.7' RT	1	-
	51+03.7	30.5' LT	1	1
	52+07.8	30.0' LT	1	1
	52+98.3	28.5' LT	1	1
	53+00.7	29.0' RT	1	-
	54+32.7	30.1' LT	1	1
	54+84.9	28.5' RT	1	-
	55+11.3	31.1' LT	1	1
	55+68.7	31.8' LT	1	1
	55+81.3	28.5' RT	1	-
	56+54.9	30.8' LT	1	1
	56+63.3	28.0' RT	1	-
	57+25.0	27.3' RT	1	-
	57+63.2	29.9' LT	1	1
	58+38.0	28.2' RT	1	-
	58+64.0	28.3' LT	1	1
	59+16.4	28.0' RT	1	-
	59+30.3	27.4' LT	1	1
	UNDISTRIBUTED		5	5
	PROJECT TOTALS		**56**	**35**

SANITARY SEWER AND WATERMAIN ADJUSTMENTS

CATEGORY	STATION	LOCATION	(611.0420) RECONSTRUCTING MANHOLES EACH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(SPV.0060.06) SANITARY MANHOLE CHIMNEY SEAL EACH	NOTES
0020	8+26	15' LT	-	1	-	WATERMAIN
	8+68	1' LT	-	1	1	SANITARY SEWER
	12+64	4' LT	-	1	1	SANITARY SEWER
	16+66	4' LT	-	1	1	SANITARY SEWER
	20+65	2' LT	-	1	1	SANITARY SEWER
	23+04	3' LT	1	-	1	SANITARY SEWER
	24+98	3' LT	-	1	1	SANITARY SEWER
	25+97	3' LT	-	1	1	SANITARY SEWER
	28+70	3' LT	-	1	1	SANITARY SEWER
	32+72	3' LT	-	1	1	SANITARY SEWER
	36+70	3' LT	-	1	1	SANITARY SEWER
	36+76	35' LT	1	-	-	WATERMAIN
	36+87	29' RT	1	-	-	WATERMAIN
	37+06	14' LT	-	1	-	WATERMAIN
	40+71	3' LT	-	1	1	SANITARY SEWER
	42+55	10' LT	-	1	1	SANITARY SEWER
	46+21	3' LT	-	1	1	SANITARY SEWER
	49+72	7' RT	1	-	1	SANITARY SEWER
	51+26	ONLINE	-	1	1	SANITARY SEWER
	51+39	16' RT	-	1	-	WATERMAIN
	51+97	12' LT	-	1	-	WATERMAIN
	55+18	ONLINE	-	1	1	SANITARY SEWER
	59+17	ONLINE	-	1	1	SANITARY SEWER
	PROJECT TOTALS		**4**	**19**	**17**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: ALL EXISTING SANITARY SEWER MANHOLE STRUCTURES ARE 4' DIAMETER.

INSULATION BOARD POLYSTYRENE, 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S.01) SY
0020	8+17	14' LT	3.56
	8+61	7' RT	3.56
	10+42	7' RT	3.56
	11+57	7' RT	3.56
	12+13	14' LT	3.56
	17+12	14' LT	3.56
	18+38	6' RT	3.56
	19+61	6' RT	3.56
	20+50	6' RT	3.56
	21+12	14' LT	3.56
	26+47	6' RT	3.56
	26+47	24' RT	3.56
	27+32	6' RT	3.56
	27+32	24' RT	3.56
	27+55	14' LT	3.56
	28+15	6' RT	3.56
	28+15	24' RT	3.56
	28+97	6' RT	3.56
	28+97	24' RT	3.56
	29+02	14' LT	3.56
	29+93	6' RT	3.56
	30+76	6' RT	3.56
	31+04	14' LT	3.56
	36+10	14' LT	3.56
	36+78	24' LT	3.56
	37+60	14' LT	3.56
	41+35	17' RT	3.56
	41+40	18' LT	3.56
	45+38	15' LT	3.56
	45+98	6' RT	3.56
	46+81	6' RT	3.56
	49+40	13' LT	3.56
	49+49	11' RT	3.56
	50+30	15' RT	3.56
	51+39	13' RT	3.56
	51+93	12' RT	3.56
	53+00	11' RT	3.56
	53+20	12' LT	3.56
	58+55	11' LT	3.56
	59+16	11' RT	3.56
	PROJECT TOTAL		**142.40**

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FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(627.0200) MULCHING SY	(628.2006) EROSION MAT URBAN CLASS I TYPE A SY	(628.2008) EROSION MAT URBAN CLASS I TYPE B SY	(629.0210) FERTILIZER TYPE B CWT	(630.0110) SEEDING MIXTURE NO. 10 LB	(630.0120) SEEDING MIXTURE NO. 20 LB	(630.0140) SEEDING MIXTURE NO. 40 LB	(SPV.0120.01) WATER FOR SEEDED AREAS MGAL	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL
0010	7+40	7+48	RT	3	-	-	-	0.00	-	-	-	-	3	0
	7+76	36+39	LT	6,089	1,122	-	3,364	3.85	-	95	17	254	1,604	91
	7+95	24+91	RT	2,210	918	-	203	1.40	-	12	12	63	1,090	62
	25+08	36+60	RT	1,554	480	-	394	0.99	-	-	16	49	682	39
	36+78	61+57	LT	7,138	2,670	-	2,654	4.51	-	-	96	301	1,817	103
	37+00	53+50	RT	2,900	810	-	793	1.84	-	-	29	91	1,299	73
	53+92	62+10	RT	1,169	465	-	-	0.75	-	-	8	26	705	40
	200+94	206+12	LT & RT	1,847	-	-	1,847	1.17	25	-	-	104	-	-
		UNDISTRIBUTED		-	-	2,000	-	-	-	-	-	-	-	-
		PROJECT TOTALS		**22,910**	**6,465**	**2,000**	**9,255**	**14.50**	**25**	**107**	**178**	**889**	**7,200**	**407**

SILT FENCE

CATEGORY	STATION	TO STATION	LOCATION	(628.1504) LF	(628.1520) MAINTENANCE LF
0010	20+20	28+50	LT	835	835
	28+85	29+25	LT	65	65
	37+20	41+00	LT	390	390
	46+20	49+35	LT	325	325
		UNDISTRIBUTED		405	405
		PROJECT TOTALS		**2,020**	**2,020**

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	(628.7555) EACH	PIPE SIZE
0010	16+88	LT	2	18"
	29+00	LT	10	29"x45"
	41+40	LT	2	12"
	45+38	LT	3	24"
	61+43	LT	3	24"
	PROJECT TOTAL		**20**	

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	(628.1905) EACH	(628.1910) EMERGENCY EACH
0010	5990-00-38	12	6
	PROJECT TOTALS	**12**	**6**

TRACKING PADS

CATEGORY	STATION	(628.7560) EACH
0010	7+82	1
	36+25	1
	37+25	1
	62+02	1
	PROJECT TOTAL	**4**

TEMPORARY DITCH CHECKS

CATEGORY	STATION	LOCATION	(628.7504) LF
0010	31+00	LT	23
	34+00	LT	13
	43+25	LT	15
	61+00	LT	12
	205+00	LT & RT	16
	UNDISTRIBUTED		21
	PROJECT TOTAL		**100**

RIPRAP OVER GEOTEXTILE FABRIC

CATEGORY	STATION	TO STATION	LOCATION	(606.0200) RIPRAP MEDIUM CY	(645.0120) GEOTEXTILE TYPE HR SY
0010	16+82	16+90	LT	3	12
	28+96	29+04	LT	7	23
	45+35	45+41	LT	5	17
	61+32	61+43	LT	5	17
	PROJECT TOTALS			**20**	**69**

INLET PROTECTION

CATEGORY	STATION	LOCATION	(628.7005) TYPE A EACH	(628.7020) TYPE D EACH	NOTES
0010	7+45	RT	-	1	EXISTING
	7+71	LT	-	1	EXISTING
	7+86	LT	-	1	EXISTING
	7+91	LT	-	1	PROPOSED
	7+96	RT	-	1	PROPOSED
	7+98	RT	-	1	PROPOSED
	8+06	RT	-	1	EXISTING
	8+17	LT	-	1	PROPOSED
	8+17	RT	-	1	PROPOSED
	8+20	LT	1	-	PROPOSED
	8+27	RT	-	1	PROPOSED
	12+13	LT	-	1	PROPOSED
	12+13	RT	-	1	PROPOSED
	12+75	LT	1	-	EXISTING
	17+02	RT	-	1	PROPOSED
	17+12	LT	-	1	PROPOSED
	17+12	RT	-	1	PROPOSED
	17+22	LT	-	1	PROPOSED
	17+22	RT	-	1	PROPOSED
	17+32	RT	-	1	PROPOSED
	21+12	LT	-	1	PROPOSED
	21+12	RT	-	1	PROPOSED
	27+55	LT	-	1	PROPOSED
	27+55	RT	-	1	PROPOSED
	31+04	LT	-	1	PROPOSED
	31+04	RT	-	1	PROPOSED
	31+14	LT	-	1	PROPOSED
	31+14	RT	-	1	PROPOSED
	31+57	RT	1	-	EXISTING
	36+00	LT	-	1	PROPOSED
	36+00	RT	-	1	PROPOSED
	36+10	LT	-	1	PROPOSED
	36+10	RT	-	1	PROPOSED
	36+36	LT	-	1	EXISTING
	36+61	RT	-	1	EXISTING
	36+88	LT	-	1	EXISTING
	37+00	RT	-	1	EXISTING
	37+18	RT	-	1	EXISTING
	37+38	RT	1	-	PROPOSED
	37+60	LT	-	1	PROPOSED
	37+60	RT	-	1	PROPOSED
	37+70	LT	-	1	PROPOSED
	37+70	RT	-	1	PROPOSED
	41+30	RT	-	1	PROPOSED
	41+40	LT	-	1	PROPOSED
	41+40	RT	-	1	PROPOSED
	45+38	LT	-	1	PROPOSED
	45+38	RT	-	1	PROPOSED
	45+48	RT	-	1	PROPOSED
	49+40	LT	-	1	PROPOSED
	49+40	RT	-	1	PROPOSED
	51+55	LT	1	-	EXISTING
	53+20	LT	-	1	PROPOSED
	53+20	RT	-	1	PROPOSED
	53+45	RT	-	1	EXISTING
	53+92	RT	-	1	EXISTING
	58+55	LT	-	1	PROPOSED
	58+55	RT	-	1	PROPOSED
	61+47	RT	-	1	PROPOSED
	61+50	LT	-	1	PROPOSED
	61+57	RT	-	1	PROPOSED
	61+70	RT	1	-	PROPOSED
	PROJECT TOTALS		**6**	**56**	

3

FILE NAME: P:\70005\70505\7052\07052024\C3D\SHEETSPLAN\030201-MQ_BORDER.DWG
LAYOUT NAME - 030201-mq
PLOT DATE: 7/18/2018 8:46 AM PLOT BY: JASON DOLENS PLOT NAME:
WISDOT/CADDS SHEET 42

TREES (SPECIES, ROOT, SIZE)

CATEGORY	STATION	LOCATION	(632.0101.01) AMERICAN YELLOWWOOD, B&B, 2-INCH CAL. EACH	(632.0101.02) AUTUMN GOLD GINKGO, B&B, 2-INCH CAL. EACH	(632.0101.03) CRIMSON SPIRE OAK, B&B, 2-INCH CAL. EACH	(632.0101.04) JAPANESE TREE LILAC, 'IVORY SILK', B&B, 2-INCH CAL. EACH	(632.0101.05) JAPANESE ZELKOVA, B&B, 2-INCH CAL. EACH	(632.0101.06) KATSURA, B&B, 2-INCH CAL. EACH	(632.0101.07) LONDON PLANE TREE B&B, 2-INCH CAL. EACH	(632.0101.08) NORTHERN CATALPA, B&B, 2-INCH CAL. EACH	(632.0101.09) PAPERBARK MAPLE, B&B, 2-INCH CAL. EACH	(632.0101.10) REGAL PRINCE OAK B&B, 2-INCH CAL. EACH	(632.0101.11) SWAMP WHITE OAK, B&B, 2-INCH CAL. EACH	(632.0101.12) SARGENT CHERRY, B&B, 2-INCH CAL. EACH	(632.0101.13) TULIP TREE, B&B, 2-INCH CAL. EACH	(632.9101) LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH
0010	8+53	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	8+68	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	8+83	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	9+55	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	10+30	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	10+55	LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	11+40	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	11+55	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	11+70	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	12+08	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	12+68	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	13+88	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	14+59	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	15+06	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	15+40	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	15+55	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	15+70	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	16+00	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	16+40	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	16+70	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	16+85	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	17+00	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	17+29	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	18+00	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	18+10	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	18+15	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	18+30	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	19+11	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	19+76	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	20+65	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	20+80	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	20+90	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	20+95	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	21+45	RT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	21+55	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	22+34	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	22+50	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	22+65	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	22+80	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	22+99	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	23+64	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	24+18	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	24+55	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	25+20	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	25+65	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	25+94	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	26+59	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	27+24	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	27+89	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	28+54	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

TREES (SPECIES, ROOT, SIZE) (CONTINUED)

CATEGORY	STATION	LOCATION	(632.0101.01) AMERICAN YELLOWWOOD, B&B, 2-INCH CAL. EACH	(632.0101.02) AUTUMN GOLD GINKGO, B&B, 2-INCH CAL. EACH	(632.0101.03) CRIMSON SPIRE OAK, B&B, 2-INCH CAL. EACH	(632.0101.04) JAPANESE TREE LILAC, 'IVORY SILK', B&B, 2-INCH CAL. EACH	(632.0101.05) JAPANESE ZELKOVA, B&B, 2-INCH CAL. EACH	(632.0101.06) KATSURA, B&B, 2-INCH CAL. EACH	(632.0101.07) LONDON PLANE TREE B&B, 2-INCH CAL. EACH	(632.0101.08) NORTHERN CATALPA, B&B, 2-INCH CAL. EACH	(632.0101.09) PAPERBARK MAPLE, B&B, 2-INCH CAL. EACH	(632.0101.10) REGAL PRINCE OAK B&B, 2-INCH CAL. EACH	(632.0101.11) SWAMP WHITE OAK, B&B, 2-INCH CAL. EACH	(632.0101.12) SARGENT CHERRY, B&B, 2-INCH CAL. EACH	(632.0101.13) TULIP TREE, B&B, 2-INCH CAL. EACH	(632.9101) LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH
0010	29+44	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	30+09	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	30+74	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	31+00	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	31+15	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	31+30	RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	31+34	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	31+99	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	32+44	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	32+62	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	33+09	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	33+43	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	33+65	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	33+74	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	34+19	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	34+51	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	34+84	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	35+33	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	35+54	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	35+94	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	36+01	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	37+43	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	37+49	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	38+05	RT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	38+19	LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	38+44	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	38+69	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	38+70	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	39+19	LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	39+25	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	39+44	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	40+14	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	40+19	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	40+44	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	40+69	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	40+77	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	41+19	LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	41+22	RT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	41+50	LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	41+79	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	42+06	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	42+29	LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	42+44	LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	42+49	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	42+69	LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	43+09	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	43+25	RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	43+32	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	43+59	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	43+95	RT	-	-	-	-	-	1	-	-	-	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

TREES (SPECIES, ROOT, SIZE) (CONTINUED)

CATEGORY	STATION	LOCATION	(632.0101.01) AMERICAN YELLOWWOOD, B&B, 2-INCH CAL. EACH	(632.0101.02) AUTUMN GOLD GINKGO, B&B, 2-INCH CAL. EACH	(632.0101.03) CRIMSON SPIRE OAK, B&B, 2-INCH CAL. EACH	(632.0101.04) JAPANESE TREE LILAC, 'IVORY SILK', B&B, 2-INCH CAL. EACH	(632.0101.05) JAPANESE ZELKOVA, B&B, 2-INCH CAL. EACH	(632.0101.06) KATSURA, B&B, 2-INCH CAL. EACH	(632.0101.07) LONDON PLANE TREE B&B, 2-INCH CAL. EACH	(632.0101.08) NORTHERN CATALPA, B&B, 2-INCH CAL. EACH	(632.0101.09) PAPERBARK MAPLE, B&B, 2-INCH CAL. EACH	(632.0101.10) REGAL PRINCE OAK B&B, 2-INCH CAL. EACH	(632.0101.11) SWAMP WHITE OAK, B&B, 2-INCH CAL. EACH	(632.0101.12) SARGENT CHERRY, B&B, 2-INCH CAL. EACH	(632.0101.13) TULIP TREE, B&B, 2-INCH CAL. EACH	(632.9101) LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH
0010	44+24	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	44+30	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	44+60	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	44+80	LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	44+89	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	45+25	RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	45+69	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	45+75	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	46+08	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	46+19	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	46+69	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	47+15	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	47+34	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	47+80	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	47+99	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	48+45	RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	48+49	LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	49+05	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	49+12	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	49+52	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	49+55	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	50+20	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	50+50	RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	50+65	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	51+15	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	51+15	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	51+50	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	52+02	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	52+03	LT	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	52+32	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	53+05	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	53+10	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	53+57	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	54+33	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	54+79	LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	54+95	RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	55+25	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	55+25	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	55+71	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	56+00	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	56+19	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	56+30	RT	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	56+70	LT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	56+90	RT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	57+20	RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	57+21	LT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	57+71	LT	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	57+80	RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	58+17	LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	58+70	LT	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	58+75	RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	59+17	LT	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	PROJECT 5990-00-38		-	-	-	-	-	-	-	-	-	-	-	-	-	14
	PROJECT TOTALS		**8**	**11**	**16**	**28**	**10**	**11**	**10**	**2**	**7**	**12**	**15**	**17**	**5**	**14**

NOTE: CARE CYCLE IS FROM SEPTEMBER 2019 TO OCTOBER 2021

MAILBOX REMOVAL AND TEMPORARY MAILBOXES

CATEGORY	STATION	LOCATION	(SPV.0060.01) EACH
0020	10+08	LT	1
	10+63	LT	1
	11+06	LT	1
	11+27	LT	1
	11+88	LT	1
	13+11	LT	1
	13+64	LT	1
	15+27	LT	1
	15+76	LT	1
	19+81	LT	1
	21+89	LT	1
	24+37	LT	1
	26+28	LT	1
	26+33	LT	1
	33+07	LT	1
	33+98	LT	1
	35+14	LT	1
	35+55	LT	1
	39+71	LT	1
	41+49	LT	1
	42+62	LT	1
	46+33	LT	1
	50+04	LT	1
	51+05	LT	1
	52+07	LT	1
	53+03	LT	1
	54+02	LT	1
	54+85	LT	1
	55+70	LT	1
	56+72	LT	1
	57+71	LT	1
	58+68	LT	1
	58+70	LT	1
	59+49	LT	1
	UNDISTRIBUTED		2
	PROJECT TOTAL		**36**

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	(SPV.0060.09) REMOVE AND SALVAGE FLASHING STOP SIGN ASSEMBLY EACH	NOTES
0010	E1.1	7+81	LT	1	-	-	ON STREET LIGHT POLE
	E1.2	8+06	LT	1	-	1	
	E1.3	13+14	LT	1	1	-	
	E1.4	7+99	RT	1	1	-	
	E1.5	9+64	RT	1	1	-	
	E1.6	7+20	RT	1	-	1	
	E5.1	35+20	LT	1	1	-	
	E5.2	36+00	LT	1	1	-	
	E5.3	36+17	LT	1	1	-	
	E5.4	36+39	LT	1	1	-	
	E5.5	37+09	LT	1	1	-	
	E5.6	33+53	RT	1	1	-	
	E5.7	35+92	RT	1	1	-	
	E5.8	36+28	RT	1	1	-	
	E5.9	36+31	RT	1	1	-	
	E5.10	37+03	RT	1	1	-	
	E5.11	37+40	RT	1	1	-	
	E6.1	37+50	LT	1	1	-	
	E6.2	39+96	LT	1	1	-	
	E6.3	38+16	RT	1	1	-	
	E8.1	53+95	RT	1	-	-	ON STREET LIGHT POLE
	E8.2	54+95	RT	1	1	-	
	E10.1	61+06	LT	1	1	-	
	E10.2	61+70	RT	1	1	-	
	E10.3	61+71	RT	1	1	-	
		PROJECT TOTALS		**25**	**21**	**2**	

NOTE: SIGNS AT THE SAME LOCATION ARE COUNTED AS ONE SIGN REMOVAL

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	DESCRIPTION	(618.0100.01) EACH
0030	PROJECT 5990-00-38	1
	PROJECT TOTAL	**1**

MOVING SIGNS TYPE II

CATEGORY	SIGN NO.	STATION	TO STATION	LOCATION	(638.2102) EACH
0010	5.8	36+39	36+34	LT	1
	5.9	36+39	36+34	LT	1
	5.21	37+03	37+03	RT	1
	5.22	37+03	37+03	RT	1
		PROJECT TOTAL			**4**

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(634.0616) POSTS WOOD 4x6-INCH X 16-FT EACH	(634.0810) POSTS TUBULAR STEEL 2x2-INCH X 10-FT EACH	(634.0814) POSTS TUBULAR STEEL 2x2-INCH X 14-FT EACH	(634.0816) POSTS TUBULAR STEEL 2x2-INCH X 16-FT EACH	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(637.2230) SIGNS TYPE II REFLECTIVE F SF	MESSAGE/NOTES
0010	1.1	7+82	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1.2	8+10	LT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	1.3	8+10	LT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1.2
	1.4	8+60	LT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	1.5	8+60	LT	R3-17BP	30" X 12"	-	-	-	-	2.50	-	ON POST WITH SIGN 1.4
	1.6	8+60	LT	R7-51L	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 1.4
	1.7	12+94	LT	W3-1	36" X 36"	-	-	-	-	-	9.00	ON STREET LIGHT POLE
	1.8	7+99	RT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	1.9	7+99	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1.8
	1.10	8+30	RT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	1.11	8+30	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 1.10
	1.12	10+00	RT	R2-1	24" X 30"	-	-	1	-	5.00	-	
	1.13	12+25	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	1.14	7+20	RT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	1.15	7+20	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1.14
	2.1	16+25	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	3.1	20+00	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	3.2	23+75	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	4.1	25+50	RT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	4.2	25+50	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 4.1
	4.3	29+50	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	5.1	34+44	LT	R2-1	24" X 30"	-	-	-	-	5.00	-	ON STREET LIGHT POLE
	5.2	36+00	LT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	5.3	36+00	LT	R7-51R	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 5.2
	5.4	36+15	LT	R1-1	18" X 18"	-	1	-	-	1.86	-	
	5.5	36+15	LT	R5-3	24" X 24"	-	-	-	-	4.00	-	ON BACKSIDE OF POST WITH SIGN 5.4
	5.6	36+34	LT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	5.7	36+34	LT	R1-3P	18" X 6"	-	-	-	-	0.75		ON POST WITH SIGN 5.6
	5.10	37+14	LT	R1-1	18" X 18"	-	1	-	-	1.86	-	
	5.11	37+14	LT	R5-3	24" X 24"	-	-	-	-	4.00	-	ON BACKSIDE OF POST WITH SIGN 5.8
	5.12	37+19	LT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	5.13	37+19	LT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 5.12
	5.14	33+28	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	5.15	36+17	RT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	5.16	36+17	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 5.15
	5.17	37+03	RT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	5.18	37+03	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 5.17
	5.19	37+24	RT	R1-1	18" X 18"	-	1	-	-	1.86	-	
	5.20	37+24	RT	R5-3	24" X 24"	-	-	-	-	4.00	-	ON BACKSIDE OF POST WITH SIGN 5.19
	6.1	37+94	LT	R7-51L	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	6.2	41+54	LT	R7-1R	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	6.3	37+65	RT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	6.4	37+65	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 6.3
	6.5	38+38	RT	R2-1	24" X 30"	-	-	1	-	5.00	-	
	6.6	41+00	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	7.1	45+14	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	7.2	48+74	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	7.3	45+50	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	8.1	52+22	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	8.2	49+75	RT	R7-1D	18" X 24"	-	-	1	-	3.00	-	
	8.3	51+75	RT	R7-1R	18" X 24"	-	-	1	-	3.00	-	
	8.4	53+95	RT	R1-1	30" X 30"	-	-	-	-	5.18	-	ON STREET LIGHT POLE
	8.5	54+23	RT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	9.1	55+76	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	9.2	60+00	LT	R3-17	30" X 24"	-	-	1	-	5.00	-	
	9.3	60+00	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 9.2
	9.4	60+75	LT	R2-1	24" X 30"	-	-	-	1	5.00	-	
	9.5	60+75	LT	R5-2	24" X 24"	-	-	-	-	4.00	-	ON POST WITH SIGN 9.4
	9.6	57+50	RT	W3-1	36" X 36"	-	-	-	1	-	9.00	
	10.1	61+25	RT	R3-17	30" X 24"	-	-	-	1	5.00	-	
	10.2	61+25	RT	R3-17BP	30" X 12"	-	-	-	-	2.50	-	ON POST WITH SIGN 10.1
	10.3	61+25	RT	R7-51L	18" X 24"	-	-	-	-	3.00	-	ON POST WITH SIGN 10.1
	10.4	61+73	RT	R1-1	30" X 30"	-	-	1	-	5.18	-	
	10.5	61+73	RT	J12-1	24" X 45"	1	-	-	-	7.50	-	
			PROJECT TOTALS			**1**	**3**	**27**	**3**	**217.95**	**18.00**	

TRAFFIC CONTROL

CATEGORY	DESCRIPTION	(643.5000) TRAFFIC CONTROL EACH	DRUMS NO. DEVICES	(643.0300) TRAFFIC CONTROL DRUMS DAY	BARRICADES TYPE II NO. DEVICES	(643.0410) TRAFFIC CONTROL BARRICADES TYPE II DAY	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	(643.0500) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	(643.0600) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	WARNING LIGHTS TYPE C NO. DEVICES	(643.0715) TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS PCMS NO. DEVICES	(643.1050) TRAFFIC CONTROL SIGNS PCMS DAY	DURATION	
0010	RUGER AVENUE	-	-	-	-	-	6	1,104	-	-	12	2,208	-	-	4	736	1	7	184	DAYS
	CTH MM	-	-	-	-	-	6	1,104	-	-	12	2,208	-	-	4	736	1	7	184	DAYS
	WRIGHT ROAD	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1,840	-	-	184	DAYS
	WUTHERING HILLS DRIVE	-	20	200	4	736	12	2,208	-	-	24	4,416	5	50	12	2,208	-	-	184	DAYS
	USH 14	-	-	-	-	-	-	-	-	-	-	-	-	-	14	2,576	-	-	184	DAYS
	SPORTS COMPLEX ENTRANCE	-	-	-	-	-	4	736	-	-	8	1,472	-	-	1	184			184	DAYS
	USH 14 LANE CLOSURES	-	53	265	-	-	2	10	35	35	4	20	-	-	8	40	-	-	5	DAYS
	WRIGHT ROAD LANE CLOSURE	-	29	290	2	20	1	10	-	-	4	40	5	50	7	70	-	-	10	DAYS
	PROJECT 5990-00-34	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	184	DAYS
	PROJECT TOTALS	**1**	**-**	**755**	**-**	**756**	**-**	**5,172**	**35**	**35**	**-**	**10,364**	**-**	**100**	**-**	**8,390**		**14**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	DURATION	
0010	RUGER AVENUE	2	368	4	736	10	1,840	184	DAYS
	N. WRIGHT ROAD	-	-	-	-	8	1,472	184	DAYS
	S. WRIGHT ROAD	-	-	-	-	8	1,472	184	DAYS
	US-14 BUSINESS	-	-	-	-	16	2,944	184	DAYS
	US-14	-	-	-	-	38	6,992	184	DAYS
	COUNTY ROAD MM	-	-	-	-	8	1,472	184	DAYS
	PROJECT TOTALS	**2**	**368**	**4**	**736**	**88**	**16,192**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	DESCRIPTION	(643.0920) EACH	NO. CYCLES
0010	USH 14 WESTBOUND INTERSECTION LANE CONTROL SIGN	1	1
	USH 14 EASTBOUND INTERSECTION LANE CONTROL SIGN	1	1
	PROJECT TOTAL	**2**	

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

CATEGORY	DESCRIPTION	(649.0150) (YELLOW) LF
0010	USH 14 TURN LANE CLOSURES	900
	PROJECT TOTAL	**900**

PEDESTRIAN ACCOMODATIONS

CATEGORY	DESCRIPTION	(644.1601.S) TEMPORARY CURB RAMP EACH	(644.1410.S) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	(644.1420.S) TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	(644.1430.S) TEMPORARY PEDESTRIAN SURFACE PLATE SF	(644.1616.S) TEMPORARY PEDESTRIAN SAFETY FENCE LF
0010	WRIGHT ROAD INTERSECTION	1	25	-	-	-
	WUTHERING HILLS DRIVE INTERSECTION	8	1,800	-	-	400
	UNDISTRIBUTED	3	175	50	50	100
	PROJECT TOTALS	**12**	**2,000**	**50**	**50**	**500**

TEMPORARY PAVEMENT MARKING REMOVABLE MASK OUT TAPE 10-INCH

CATEGORY	DESCRIPTION	(649.0970) LF
0010	USH 14 TURN LANE CLOSURES	1,200
	PROJECT TOTAL	**1,200**

3

PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	(646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	(646.1020) MARKING LINE EPOXY 4-INCH (WHITE) LF	(646.3020) MARKING LINE EPOXY 8-INCH (WHITE) LF	(646.5020) MARKING ARROW EPOXY (TYPE 2) (WHITE) EACH	(646.5020) MARKING ARROW EPOXY (BIKE LANE) (WHITE) EACH	(646.5220) MARKING SYMBOL EPOXY (BIKE LANE) (WHITE) EACH	(646.6120) MARKING STOP LINE EPOXY 18-INCH LF	(646.7420) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF
0010	7+20	62+02	10,640	15,915	215	2	20	20	165	780
SUBTOTALS			**10,640**	**15,915**	**-**	**2**	**20**	**-**	**-**	**-**
PROJECT TOTALS			**26,555**		**215**	**22**		**20**	**165**	**780**

MARKING REMOVAL LINE

CATEGORY	STATION	TO STATION	LOCATION	(646.9100) 8-INCH LF	(646.9200) WIDE LF	NOTES
0010	7+72	7+92	RT	-	20	STOP LINE
	7+83	7+83	RT	3	-	CHANNELIZATION LINE
PROJECT TOTALS				**3**	**20**	

3

STREET LIGHT POLE REMOVALS

CATEGORY	STATION	LOCATION	(SPV.0060.07) REMOVE AND SALVAGE LIGHT POLE ASSEMBLY EACH	(204.0195) REMOVING CONCRETE BASES EACH
0010	7+81	40' LT	1	1
	36+85	47' LT	1	1
	PROJECT TOTALS		**2**	**2**

PULL BOXES STEEL 24x42-INCH

CATEGORY	PULL BOX NUMBER	STATION	LOCATION	(653.0140) EACH
0010	PB-1	36+30.00	32.00' LT	1
	PB-2	36+92.50	32.00' LT	1
	PB-3	40+00.00	26.50' LT	1
	PROJECT TOTAL			**3**

CONDUIT RIGID NONMETALLIC

CATEGORY	FROM	TO	(652.0225) SCHEDULE 40 2-INCH LF	(652.0325) SCHEDULE 80 2-INCH LF
0010	LP-1	LP-2	157	-
	LP-2	LP-3	187	-
	LP-3	LP-4	184	-
	LP-4	LP-5	187	-
	LP-5	LP-6	187	-
	LP-6	LP-7	188	-
	LP-7	LP-8	182	-
	LP-8	LP-9	182	-
	LP-9	LP-10	182	-
	LP-10	LP-11	182	-
	LP-11	LP-12	177	-
	LP-12	LP-13	177	-
	LP-13	LP-14	177	-
	LP-14	LP-15	177	-
	LP-15	LP-16	177	-
	LP-16	LP-17	177	-
	LP-17	PB-1	14	-
	PB-1	PB-2	-	126
	PB-2	LP-18	107	-
	LP-18	LP-19	182	-
	LP-19	PB-3	28	-
	PB-3	LCC-1	44	-
	PB-3	LP-20	157	-
	LP-20	LP-21	186	-
	LP-21	LP-22	183	-
	LP-22	LP-23	183	-
	LP-23	LP-24	181	-
	LP-24	LP-25	178	-
	LP-25	LP-26	171	-
	LP-26	LP-27	184	-
	LP-27	LP-28	174	-
	LP-28	LP-29	186	-
	LP-29	LP-30	188	-
	LP-30	LP-31	189	-
	PROJECT TOTALS		**5,415**	**126**

ELECTRICAL WIRE LIGHTING

CATEGORY	FROM	TO	(655.0620) 8 AWG LF	(655.0625) 6 AWG LF	(655.0630) 4 AWG LF	(655.0635) 2 AWG LF
0010	LP-1	LP-2	-	-	501	-
	LP-2	LP-3	-	-	591	-
	LP-3	LP-4	-	-	582	-
	LP-4	LP-5	-	-	591	-
	LP-5	LP-6	-	-	591	-
	LP-6	LP-7	-	-	594	-
	LP-7	LP-8	-	-	576	-
	LP-8	LP-9	-	-	576	-
	LP-9	LP-10	-	-	576	-
	LP-10	LP-11	-	-	576	-
	LP-11	LP-12	-	-	561	-
	LP-12	LP-13	-	-	561	-
	LP-13	LP-14	-	-	561	-
	LP-14	LP-15	-	-	561	-
	LP-15	LP-16	-	-	561	-
	LP-16	LP-17	-	-	561	-
	LP-17	PB-1	-	-	105	-
	PB-1	PB-2	-	-	285	-
	PB-2	LP-18	-	-	384	-
	LP-18	LP-19	-	-	-	576
	LP-19	PB-3	-	-	-	147
	PB-3	LCC-1	-	135	-	135
	PB-3	LP-20	-	534	-	-
	LP-20	LP-21	-	588	-	-
	LP-21	LP-22	-	579	-	-
	LP-22	LP-23	579	-	-	-
	LP-23	LP-24	573	-	-	-
	LP-24	LP-25	564	-	-	-
	LP-25	LP-26	543	-	-	-
	LP-26	LP-27	582	-	-	-
	LP-27	LP-28	552	-	-	-
	LP-28	LP-29	588	-	-	-
	LP-29	LP-30	594	-	-	-
	LP-30	LP-31	597	-	-	-
	PROJECT TOTALS		**5,172**	**1,836**	**9,894**	**858**

STREET LIGHTING CONTROL CABINET

CATEGORY	CABINET NUMBER	STATION	LOCATION	(654.0224) CONCRETE CONTROL CABINET BASES TYPE L24 EACH	(656.0200.01) ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) LS	(659.2124) LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
0010	LCC-1	40+00.00	48.50' LT	1	1	1
		PROJECT TOTALS		**1**	**1**	**1**

STREET LIGHT POLE ASSEMBLY

CATEGORY	POLE NUMBER	STATION	LOCATION	(654.0105) CONCRETE BASES TYPE 5 EACH	(657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(657.0322) POLES TYPE 5-ALUMINUM EACH	(657.0610) LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	(657.0705) LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 10-FT EACH	(659.1120) LUMINAIRES UTILITY LED B EACH	(655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	LP-1	7+82.00	41.00' LT	1	1	1	1	-	1	117
	LP-2	9+27.00	27.00' LT	1	1	1	-	1	1	129
	LP-3	11+12.00	27.00' LT	1	1	1	-	1	1	129
	LP-4	12+94.00	27.00' LT	1	1	1	-	1	1	129
	LP-5	14+79.00	27.00' LT	1	1	1	-	1	1	129
	LP-6	16+64.00	27.00' LT	1	1	1	-	1	1	129
	LP-7	18+49.00	27.00' LT	1	1	1	-	1	1	129
	LP-8	20+29.00	27.00' LT	1	1	1	-	1	1	129
	LP-9	22+09.00	27.00' LT	1	1	1	-	1	1	129
	LP-10	23+89.00	27.00' LT	1	1	1	-	1	1	129
	LP-11	25+69.00	27.00' LT	1	1	1	-	1	1	129
	LP-12	27+44.00	27.00' LT	1	1	1	-	1	1	129
	LP-13	29+19.00	27.00' LT	1	1	1	-	1	1	129
	LP-14	30+94.00	27.00' LT	1	1	1	-	1	1	129
	LP 15	32+69.00	27.00' LT	1	1	1	-	1	1	129
	LP-16	34+44.00	27.00' LT	1	1	1	-	1	1	129
	LP-17	36+19.00	27.00' LT	1	1	1	-	1	1	129
	LP-18	37+94.00	27.00' LT	1	1	1	-	1	1	129
	LP-19	39+74.00	27.00' LT	1	1	1	-	1	1	129
	LP-20	41+54.00	27.00' LT	1	1	1	-	1	1	129
	LP-21	43+34.00	27.00' LT	1	1	1	-	1	1	129
	LP-22	45+14.00	27.00' LT	1	1	1	-	1	1	129
	LP-23	46+94.00	27.00' LT	1	1	1	-	1	1	129
	LP-24	48+74.00	25.40' LT	1	1	1	-	1	1	129
	LP-25	50+52.00	21.85' LT	1	1	1	-	1	1	129
	LP-26	52+22.00	20.00' LT	1	1	1	-	1	1	129
	LP-27	54+04.00	20.00' LT	1	1	1	-	1	1	129
	LP-28	55+76.00	20.00' LT	1	1	1	-	1	1	129
	LP-29	57+60.00	20.00' LT	1	1	1	-	1	1	129
	LP-30	59+46.00	20.00' LT	1	1	1	-	1	1	129
	LP-31	61+31.00	34.25' LT	1	1	1	-	1	1	129
	PROJECT TOTALS			**31**	**31**	**31**	**1**	**30**	**31**	**3,987**

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
LIMITED HIGHWAY EASEMENT	L.H.E.		
PLAT OF SURVEY	P.O.S.		
MISCELLANEOUS	MISC		
RAILROAD	RR		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE
TLE POINT 151
R/W BOUNDARY POINT 102

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

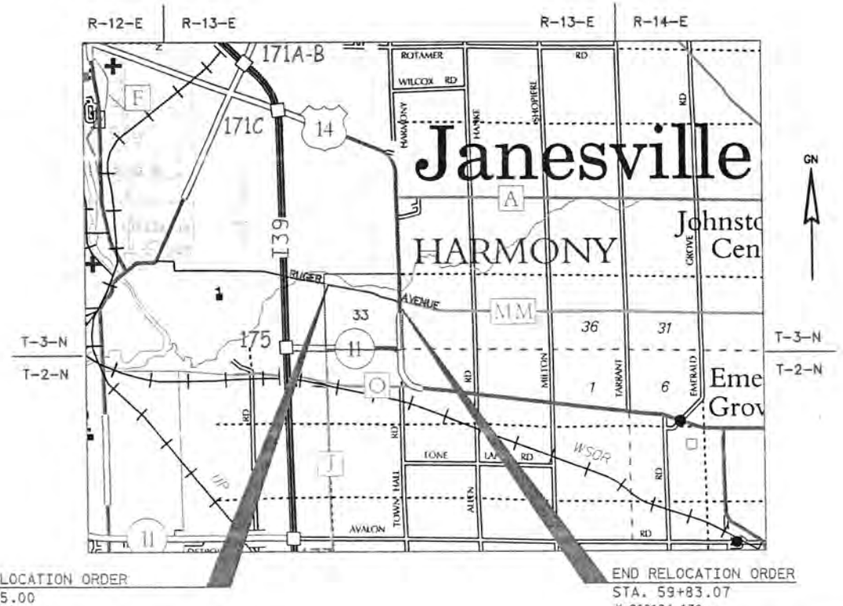
	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

		NON COMPENSABLE	COMPENSABLE
WATER	W	POWER POLE	
GAS	G	TELEPHONE POLE	
TELEPHONE	T	TELEPHONE PEDESTAL	
OVERHEAD TRANSMISSION LINES	OH	ELECTRIC TOWER	
ELECTRIC	E	MONITORING WELL	MWELL
CABLE TELEVISION	TV	ELECTRIC METER	
FIBER OPTIC	FO	ELECTRIC VAULT	
SANITARY SEWER	SAN	ELECTRIC MANHOLE	EMH
STORM SEWER	SS		





BEGIN RELOCATION ORDER
STA. 8+15.00
Y=259333.221
X=506674.716
789.95 FEET SOUTH OF AND 54.74 FEET EAST OF THE NORTHWEST CORNER OF SECTION 33, T-3-N, R-13-E, CITY OF JANESVILLE, WI.

END RELOCATION ORDER
STA. 59+83.07
Y=258124.130
X=511683.027
525.55 FEET NORTH OF AND 240.13 FEET WEST OF THE EAST QUARTER-CORNER OF SECTION 33, T-3-N, R-13-E, CITY OF JANESVILLE, WI.

LAYOUT SCALE 0 LO MI.

TOTAL NET LENGTH OF CENTERLINE = 0.979 MI

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY ZONE, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- BRENTWOOD HILLS SUBDIVISION
- CSM VOL.21, PGS.371-373, DOC.NO.1386653
- RUGER RIDGE SUBDIVISION
- CSM VOL.29, PGS.269-271, DOC.NO.1740925
- CSM VOL.26, PGS.152-154, DOC.NO.1615176
- RUGER RIDGE FIRST ADDITION SUBDIVISION
- OAKLAND VALLEY SUBDIVISION
- CSM. VOL.18, PGS.99-101, DOC. NO. 1255883

EXISTING RIGHT-OF-WAY FOR WRIGHT ROAD ESTABLISHED FROM
- BRENTWOOD HILLS SUBDIVISION

EXISTING RIGHT-OF-WAY FOR WUTHERING HILLS DRIVE ESTABLISHED FROM
- RUGER RIDGE SUBDIVISION

EXISTING RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM
- OAKLAND VALLEY SUBDIVISION

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

R/W PROJECT NUMBER 5990-00-37		SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 5990-00-38		4.01	13

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF JANESVILLE, RUGER AVENUE (WRIGHT ROAD – USH 14)

CTH MM — ROCK COUNTY

FILE COPY

ACCEPTED FOR ROCK COUNTY

7-13-18 (Date) Duane M. Jr. (DIRECTOR OF PUBLIC WORKS)

REVISION DATE 7/2/2018

ORIGINAL PLAT PREPARED BY

COMBS & ASSOCIATES, INC.
109 WEST MILWAUKEE STREET
JANESVILLE, WI 53548
P 608.752.0575
F 608.752.0534
www.combssurvey.com

WISCONSIN
RONALD J. COMBS
S-1330
JANESVILLE, WI
LAND SURVEYOR

THIS SURVEY IS PREPARED AT THE REQUEST OF ROCK COUNTY. THE FIELD SURVEY WAS PERFORMED IN JULY 2017. THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

(SIGNATURE) Ronald J. Combs

DATE 5/1/2018

(PRINTED NAME) RONALD J. COMBS

(REGISTRATION NUMBER) S-1330

4

4

FILE NAME : C:\PLAT\RW\PLAT_RECOVER.DWG PLOT DATE : 7/2/2018 3:43 PM PLOT BY : DAN HIGGS PLOT NAME :

5990-00-37 4.01

(1) INDICATES PARCEL CHANGED IN REVISION (1) DATED 7/2/2018

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO ROCK COUNTY.

PARCEL NUMBER	RW SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL PARCEL AREA (SF)	NEW R/W (SF)	REMAINING TOTAL PARCEL AREA (SF)	TLE AREA (SF)
1	4.04, 4.05, 4.06	CITY OF JANESVILLE	TLE	1,071,770	-	1,071,770	47614
2	4.04	SUE ANN DAHL AND DAVID R. DAHL	TLE	78,408	-	78,408	3595
3	4.04	SCOTT W. BEVER AND SHANNON L. BEVER	TLE	39,380	-	39,380	239
4	4.04	JOHN R. GORSKI	TLE	22,000	-	22,000	547
5	-	-	-				
6	4.04	WAAGE LIFE ESTATE, GARY W. & TERESA A. WAAGE	TLE	9,816	-	9,816	961
7	4.04, 4.05	MARKLEIN BUILDERS, INC.	TLE	1,170,457	-	1,170457	439
8	4.05	PETER J. SKELLY AND DENISE M. SKELLY	TLE	19,822	-	19,822	1753
9	4.05	MARKLEIN BUILDERS, INC.	TLE	33,674	-	33,674	494
10	-	-	-				
11(1)	4.05, 4.07	NAATZ INVESTMENT PROPERTIES, LLC C/O SUE ANN DAHL	FEE & TLE	215,477	3064	212,413	1116
12	4.07	NAATZ INVESTMENT PROPERTIES, LLC C/O SUE ANN DAHL	TLE	44,431	-	44,431	423
13(1)	4.07, 4.08, 4.09	NAATZ INVESTMENT PROPERTIES, LLC C/O SUE ANN DAHL	FEE & TLE	758,585	40587	717,998	2031
14(1)	4.09	LANCE A. BAIOR	TLE	14,850	-	14,850	1235
15	-	-	-				
16(1)	4.10	MICHAEL J. SHERIDAN	TLE	16,975	-	16,975	330
17(1)	4.09	CITY OF JANESVILLE	TLE	114,847	-	114,847	4429
18	4.09	SHANNON P. RILEY AND BRENDA A. RILEY	TLE	19,789	-	19,789	211
19(1)	4.09, 4.10, 4.11	CITY OF JANESVILLE	TLE	1,620,498	-	1,620,498	78171
20	-	-	-				
21(1)	4.09, 4.10, 4.11, 4.12, 4.13	CITY OF JANESVILLE	TLE	2,083,545	-	2,083,545	12945
22	4.10	CRAIG J. GRAMKE AND PATRICIA A. GRAMKE	TLE	15,000	-	15,000	626
23	4.10	CRAIG A. SCHUMACHER AND DAWN M. SCHUMACHER	TLE	15,000	-	15,000	1702
24	4.10	MICHAEL J. FRAZIER AND NANCY E. FRAZIER	TLE	15,000	-	15,000	104
25	-	-	-		-		
26(1)	4.11	CITY OF JANESVILLE	TLE	26,849	-	26,849	2397
27	4.11	CITY OF JANESVILLE	TLE	15,905	-	15,905	1662
28	4.11, 4.12	CITY OF JANESVILLE	TLE	12,399	-	12,399	900
29	4.12	CITY OF JANESVILLE	TLE	12,618	-	12,618	880
30(1)	4.12	KERRY K. HANSON AND PATRICIA J. HANSON	TLE	7,405	-	7,405	251
31	4.12	CITY OF JANESVILLE	TLE	11,700	-	11,700	863
32(1)	4.12	GERALD TREAT AND REBECCA RURY LIVING TRUST	TLE	11,700	-	11,700	863
33(1)	4.12	JOHN M. DECKER AND SHARYN K. DECKER	TLE	7,405	-	7,405	520
34	4.12	TRAGNI LIFE ESTATE FRANCIS J. TRAGNI AND ADELE A. TRAGNI	TLE	7,844	-	7,844	300
35(1)	4.13	GARY E. SCHULZE	TLE	10,454	-	10,454	160
36(1)	4.13	KATHLEEN D. STADDLER	TLE	10,454	-	10,454	147
37	4.04, 4.05, 4.07, 4.08, 4.09, 4.10, 4.11, 4.12, 4.13	ALLIANT ENERGY ELECTRIC	RELEASE OF RIGHTS				
38	4.09, 4.10	ALLIANT ENERGY GAS	RELEASE OF RIGHTS				
39	4.04, 4.05, 4.07, 4.08, 4.09, 4.10, 4.11, 4.12, 4.13	AT&T	RELEASE OF RIGHTS				
40	4.04, 4.05, 4.10, 4.11, 4.12, 4.13	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS				
41	4.08	CITY OF JANESVILLE	RELEASE OF RIGHTS				

CITY

NORTH WRIGHT ROAD

SOUTH WRIGHT ROAD

BEGIN RELOCATION ORDER
STA. 8+15.00
Y=269333.221
X=506674.716

END RELOCATION ORDER
STA. 59+83.07
Y=268124.130
X=511683.027

RUGER AVENUE

NORTH WUTHERING HILLS DRIVE

SOUTH WUTHERING HILLS DRIVE

USH 14

USH 14

GN

NW-NW
33-3-13

NE-NW
33-3-13

NW-NE
33-3-13

NE-NE
33-3-13

SW-NW
33-3-13

SE-NW
33-3-13

SW-NE
33-3-13

SE-NE
33-3-13

4.04 4.05 4.06 4.07 4.08 4.09 4.10 4.11 4.12 4.13

1 2 3 4 6 8 9 1 11 12 7 13 14 17 18 19 21 22 23 24 16 21 26 27 28 29 31 32 21 30 33 34 35 36 21

4

4

JANESVILLE

REVISION DATE 7/2/2018	DATE 5/1/2018	NOT TO SCALE 0	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.03
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 140 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.03

PLOT DATE : 7/2/2018 3:43 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 75

PI=5+00.00
Y=269392.508
X=506365.346

CITY

BRENTWOOD HILLS PUBLIC PARK

FOUND PK NAIL
Y=270123.171
X=506619.975

T 3 N
R 13 E
29 28 32 33

80' R/W

EXISTING R/W

MON. TO STA.7+62.81
S00°15'21"E 780.14'

PL

TLE FOR STORM SEWER AND GRADING
186 SF

TLE POINTS		
POINT	STATION	OFFSET
100	8+15.00	41.39'
101	8+15.00	60.00'
102	8+25.00	60.00'
103	8+25.04	41.41'
104	10+75.00	41.99'
105	10+75.00	50.00'
106	11+05.00	50.00'
107	11+05.02	42.06'
108	11+25.00	42.10'
109	11+25.00	50.00'
110	11+95.00	50.00'
111	11+95.00	42.26'
112	13+15.00	42.52'
113	13+15.00	60.00'
114	13+70.00	60.00'
115	13+70.00	42.52'

1
CITY OF JANESVILLE
0233100500

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1 - 2	S79°17'01"E	512.19'
2 - 3	S79°08'56"E	405.51'
38 - 39	N79°08'56"W	400.79'
39 - 40	N05°52'14"E	7.03'
40 - 41	N79°17'01"W	347.62'
41 - 42	S00°00'14"W	7.12'
42 - 43	N79°17'01"W	142.95'
43 - 1	N07°05'39"W	84.02'

BRENTWOOD HILLS

3
SCOTT W. BEVER AND SHANNON L. BEVER
LOT 13

4
JOHN R. GORSKI
LOT 14

LOT 15

JOHN R. GORSKI
LOT 1
CSM V. 21/PG. 371
DOC.No.1386653

6
WAAGE LIFE ESTATE
GARY W. & TERESA A. WAAGE
LOT 2
CSM V. 21/PG. 371
DOC.No.1386653

GN

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
1	7+95.47	41.34'	269377.500	506663.314
2	13+07.66	42.52'	269282.260	507166.572
3	17+13.17	42.50'	269205.919	507564.831
38	17+11.98	37.48'	269127.583	507548.614
39	13+11.19	37.47'	269203.035	507154.991
40	13+10.58	30.46'	269210.029	507155.710
41	9+62.96	31.26'	269274.669	506814.148
42	9+64.30	38.26'	269267.545	506814.147
43	8+21.35	38.59'	269294.126	506673.690

10' UTILITY EASEMENT
DOC.No.1183583

CHARTER COMMUNICATIONS
UNDERGROUND CABLE 40

TLE FOR GRADING
239 SF

CHARTER COMMUNICATIONS
UNDERGROUND CABLE 40

TLE FOR GRADING
547 SF

ALLIANT ENERGY
UNDERGROUND ELECTRIC 37

CHARTER COMMUNICATIONS
UNDERGROUND CABLE 40

TLE FOR GRADING
961 SF

ALLIANT ENERGY (ELECTRIC)

AT&T (FIBER OPTIC)

CHARTER COMMUNICATIONS (TV)

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

RUGER AVENUE

EXISTING R/W

ALLIANT ENERGY (GAS)

SLOPE INTERCEPT (TYP)

52.19'

8+00 9+00 10+00 11+00 12+00 13+00

BEGIN RELOCATION ORDER
STA. 8+15.00
Y=269333.221
X=506674.716

R/L S79°09'06"E

NW-NW 33-3-13

ALLIANT ENERGY (OVERHEAD)

CITY OF JANESVILLE (STORM SEWER)

CITY OF JANESVILLE (STORM SEWER)

80' R/W

73' R/W

80' R/W

EXISTING R/W
PL

ALLIANT ENERGY (OVERHEAD)

AT&T UNDERGROUND
FIBER OPTIC 39

SLOPE INTERCEPT (TYP)

TLE FOR GRADING
2,089 SF

TLE FOR GRADING
1,506 SF

AT&T UNDERGROUND
FIBER OPTIC 39

TLE FOR GRADING
439 SF

SECTION LINE N00°15'21"W 2,645.21'

MON. TO STA.7+62.81
N00°15'21"W 1,865.01'

EXISTING R/W
PL

100' R/W

LOT 12

LOT 11

10' UTILITY EASEMENT
DOC.No.1183583

BRENTWOOD HILLS

FOUND ALUM. MON.
Y=267477.989
X=506631.786

T 3 N
R 13 E
32 33

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
40 - 219	S05°50'15"W	9.58'
215 - 216	S10°50'55"W	12.53'
216 - 217	N79°09'05"W	35.00'
217 - 218	N10°50'55"E	12.53'
218 - 215	S79°08'56"E	35.00'
219 - 220	N79°09'05"W	161.41'
220 - 221	N10°50'55"E	9.17'
221 - 40	S79°17'01"E	160.58'
222 - 223	S10°52'45"W	44.03'
223 - 224	N79°09'05"W	39.98'
224 - 225	N08°01'14"W	46.40'
225 - 222	S79°17'18"E	55.01'

2
SUE ANN DAHL AND DAVID R. DAHL
0233100004

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- BRENTWOOD HILLS SUBDIVISION
- CSM VOL.21, PGS.371-373, DOC.NO.1386653

EXISTING RIGHT-OF-WAY FOR WRIGHT ROAD ESTABLISHED FROM
- BRENTWOOD HILLS SUBDIVISION

TLE POINTS		
POINT	STATION	OFFSET
215	13+90.00	37.47'
216	13+90.00	50.00'
217	13+55.00	50.00'
218	13+55.00	37.47'
219	13+11.42	40.00'
220	11+50.01	40.00'
221	11+50.01	30.83'
222	10+90.01	30.97'
223	10+89.98	75.00'
224	10+50.01	75.00'
225	10+35.00	31.10'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N10°50'55"E	18.61'
101 - 102	S79°09'05"E	10.00'
102 - 103	S10°42'59"W	18.59'
103 - 100	N79°17'01"W	10.04'
104 - 105	N10°50'55"E	8.01'
105 - 106	S79°09'05"E	30.00'
106 - 107	S10°42'59"W	7.94'
107 - 104	N79°17'01"W	30.02'
108 - 109	N10°50'54"E	7.90'
109 - 110	S79°09'05"E	70.00'
110 - 111	S10°50'54"W	7.74'
111 - 108	N79°17'01"W	70.00'
112 - 113	N10°50'54"E	17.48'
113 - 114	S79°09'05"E	55.00'
114 - 115	S10°50'54"W	17.48'
115 - 112	N79°08'56"W	55.00'

7
MARKLEIN BUILDERS, INC.
0233100999

JANESVILLE

MATCH LINE STA 13+75.00

4

4

REVISION DATE 7/2/2018 (NC)	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.04	
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 141	E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.04

PLOT DATE : 7/2/2018 3:43 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

MATCH LINE SHEET 4.06

BRENTWOOD HILLS PUBLIC PARK

(1) CITY OF JANESVILLE

0233100500

TLE FOR STORM SEWER AND GRADING 47,428 SF

FOUND LIMESTONE MON. Y=270065.222 X=509268.335

FOUND PK NAIL Y=270123.171 X=506619.975

SECTION LINE N88°44'47"W 2,648.99' 2,024.81'

624.18'

T 3 N R 13 E — 29 28 32 33

T 3 N R 13 E — 28 33

SECTION LINE TO STA.13+75.00 S01°15'13"W 881.91'

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
2	13+07.66	42.52'	269282.260	507166.572
3	17+13.17	42.50'	269205.919	507564.831
4	17+13.06	35.50'	269199.060	507563.410
5	18+24.73	45.50'	269187.863	507674.969
6	20+25.00	45.51'	269150.179	507871.657
36	21+17.56	30.30'	269058.307	507948.294
37	17+12.09	30.48'	269134.438	507550.034
38	17+11.98	37.48'	269127.583	507548.614
39	13+11.19	37.47'	269203.035	507154.991
51	18+24.73	35.50'	269178.045	507673.085

(8) PETER J. SKELLY AND DENISE M. SKELLY

LOT 3
CSM V. 21/PG. 371
DOC.No.1386653

(9) MARKLEIN BUILDERS, INC.

LOT 4
CSM V. 21/PG. 371
DOC.No.1386653

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
4 - 126	N11°42'09"E	10.00'
5 - 51	S10°51'51"W	10.00'
51 - 4	N79°09'11"W	111.67'
116 - 117	N10°50'55"E	22.48'
117 - 118	S79°09'05"E	78.01'
118 - 119	S10°42'59"W	22.45'
118 - 120	S79°09'05"E	21.99'
119 - 116	N79°10'26"W	78.06'
120 - 121	S10°50'38"W	22.49'
121 - 119	N79°03'36"W	21.94'
122 - 123	N10°50'55"E	632.49'
123 - 124	S79°09'05"E	75.00'
124 - 125	S10°51'04"W	632.50'
125 - 122	N79°08'44"W	74.97'
126 - 5	S79°09'05"E	111.52'
215 - 216	S10°50'55"W	12.53'
216 - 217	N79°09'05"W	35.00'
217 - 218	N10°50'55"E	12.53'
218 - 215	S79°08'56"E	35.00'

TLE POINTS		
POINT	STATION	OFFSET
116	14+00.00	42.52'
117	14+00.00	65.00'
118	14+78.01	65.00'
119	14+78.06	42.55'
120	15+00.00	65.00'
121	15+00.00	42.51'
122	16+35.00	42.51'
123	16+35.00	675.00'
124	17+10.00	675.00'
125	17+09.97	42.50'
126	17+13.21	45.50'
215	13+90.00	37.47'
216	13+90.00	50.00'
217	13+55.00	50.00'
218	13+55.00	37.47'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
2 - 3	S79°08'56"E	405.51'
3 - 4	S11°42'09"W	7.00'
5 - 6	S79°09'14"E	200.27'
36 - 37	N79°10'41"W	405.47'
37 - 38	S11°42'09"W	7.00'
38 - 39	N79°08'56"W	400.79'
44 - 51	N79°09'11"W	279.88'
51 - 5	N10°51'51"E	10.00'

GN

4

4

(11) NAATZ INVESTMENT PROPERTIES, LLC c/o SUE ANN DAHL

0233100002

10' AMERITECH (NKA AT&T) EASEMENT DOC.No.1370761

ALLIANT ENERGY (OVERHEAD)

AT&T UNDERGROUND FIBER OPTIC (39)

CHARTER COMMUNICATIONS UNDERGROUND CABLE (40)

ALLIANT ENERGY UNDERGROUND ELECTRIC (37)

TLE FOR GRADING 494 SF

TLE FOR GRADING 1,753 SF

10' UTILITY EASEMENT DOC.No. 1183583

OF

ALLIANT ENERGY UNDERGROUND ELECTRIC (37)

AT&T UNDERGROUND FIBER OPTIC (39)

TLE FOR GRADING 1,116 SF

FEE 3,064 SF

EXISTING R/W

AT&T (FIBER OPTIC)

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

RUGER AVENUE

NW-NW 33-3-13

ALLIANT ENERGY (GAS)

R/L S79°09'06"E

SLOPE INTERCEPT (TYP)

AT&T (FIBER OPTIC)

80' R/W

66' R/W

EXISTING R/W

PL

14+00 15+00 16+00 17+00 18+00 19+00

STA 13+75.00

STA 19+75.00

MATCH LINE

MATCH LINE

TLE FOR GRADING 439 SF

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- BRENTWOOD HILLS SUBDIVISION
- CSM VOL.21, PGS.371-373, DOC.NO.1386653

(7) MARKLEIN BUILDERS, INC.

0233100999

JANESVILLE

0233100998

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.05
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 142 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.05

PLOT DATE : 7/2/2018 3:43 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

TLE POINTS		
POINT	STATION	OFFSET
122	16+35.00	42.51'
123	16+35.00	675.00'
124	17+10.00	675.00'
125	17+09.97	42.50'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
122 - 123	N10°50'55"E	632.49'
123 - 124	S79°09'05"E	75.00'
124 - 125	S10°51'04"W	632.50'
125 - 122	N79°08'44"W	74.97'

BRENTWOOD HILLS PUBLIC PARK

CITY

N

4

4

SHEET 4.05

MATCH LINE

1

CITY OF JANESVILLE

0233100500

SLOPE INTERCEPT (TYP)

TLE FOR STORM SEWER
AND GRADING
47,428 SF

123

124

PL

OF

NW-NW
33-3-13

SECTION LINE TO TLE POINT 124
S01°51'13"W 272.19'

T 3 N
R 13 E
29 28
32 33

FOUND PK NAIL
Y=270123.171
X=506619.975

SECTION LINE N88°44'47"W 2,648.99'
1,067.00'
1,581.99'

FOUND LIMESTONE MON.
Y=270065.242
X=509268.335

T 1 N
R 13 E
28
33

11

NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100002

PL

JANESVILLE

REVISION DATE 7/2/2018 (NC)	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.06
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 143 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.06

PLOT DATE : 7/2/2018 3:43 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

(11)
NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100002

FOUND PK NAIL
Y=270123.171
X=506619.975

SECTION LINE N88°44'47"W 2,648.99'
1,215.78'
1,433.21'

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335

T 3 N
29 28
32 33
R 13 E

T 3 N
28
33
R 13 E

PL

SECTION LINE TO
STA.19+75.00
S01°15'11"W 981.92'

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4 SEC 33-3-13
DOC.No.391223

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
36 - 212	S00°13'16"E	6.83'
212 - 213	N79°09'05"W	63.87'
213 - 214	N10°50'55"E	6.67'
214 - 36	S79°10'48"E	62.56'

(13)
NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100003

TLE POINTS		
POINT	STATION	OFFSET
212	21+18.87	37.00'
213	20+55.00	37.00'
214	20+55.00	30.33'

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
4	17+13.06	35.50'	269199.060	507563.410
5	18+24.73	45.50'	269187.863	507674.969
6	20+25.00	45.51'	269150.179	507871.657
7	21+01.27	52.59'	269142.779	507947.899
8	22+50.00	66.40'	269128.349	508096.568
34	34+59.69	37.57'	268798.564	509265.067
35	21+18.93	37.29'	269051.177	507948.322
36	21+17.56	30.30'	269058.307	507948.294
37	17+12.09	30.48'	269134.438	507550.034
44	21+04.61	35.51'	269125.375	507947.967
51	18+24.73	35.50'	269178.045	507673.085

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
5 - 6	S79°09'14"E	200.27'
6 - 7	S84°27'23"E	76.60'
7 - 8	S84°27'23"E	149.37'
7 - 44	S00°13'32"E	17.40'
8 - 11	S79°09'05"E	1197.10'
12 - 44	N79°09'11"W	1348.51'
34 - 35	N79°08'24"W	1340.76'
35 - 36	N00°13'16"W	7.13'
36 - 37	N79°10'41"W	405.47'
44 - 51	N79°09'11"W	279.88'

GN

4

4

STA 19+75.00

STA 25+75.00

AT&T UNDERGROUND
FIBER OPTIC
(39)

FEE
3,064 SF

23.4'

6 7 8

FEE 40,587 SF

SLOPE INTERCEPT (TYP)

(39) 10' AMERITECH (NKA AT&T)
EASEMENT DOC.No.1370761

AT&T UNDERGROUND
FIBER OPTIC
(39)

PL

AT&T (FIBER OPTIC)

EXISTING R/W

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

ALLIANT ENERGY (GAS)

NW-NW
33-3-13

OF

NE-NW
33-3-13

RUGER AVENUE

73' R/W

LINE

1/16

20+00 21+00 22+00 23+00 24+00 25+00

R/L S79°09'06"E

66' R/W

ALLIANT ENERGY (ELECTRIC)

AT&T (FIBER OPTIC)

CITY OF JANESVILLE (STORM SEWER)

MATCH LINE

MATCH LINE

EXISTING R/W

214 213 212

36 35 44

AT&T UNDERGROUND
FIBER OPTIC
(39)

TLE FOR GRADING
423 SF

SLOPE INTERCEPT (TYP)

10' UTILITY EASEMENT
DOC.No.1288744

8' UTILITY EASEMENT
DOC.No.1333289

10' UTILITY EASEMENT
DOC.No.1288744

8' UTILITY EASEMENT
DOC.No.1333289

10' UTILITY EASEMENT
DOC.No.1288744

8' UTILITY EASEMENT
DOC.No.1333289

10' UTILITY EASEMENT
DOC.No.1288744

8' UTILITY EASEMENT
DOC.No.1333289

10' UTILITY EASEMENT
DOC.No.1288744

(12)
NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100998

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- RUGER RIDGE SUBDIVISION

LOT 10

LOT 9

LOT 1
CSM V. 19/PG. 79
DOC.No.1288744

20' INGRESS/EGRESS
EASEMENT
DOC.No.1751324
DOC.No.1751325
DOC.No.1774303
DOC.No.1751326
DOC.No.1774304

JANESVILLE

OUTLOT 1

RUGER RIDGE SUBDIVISION

RUGER RIDGE SUBDIVISION

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4 SEC 33-3-13
DOC.No.391223

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.07
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 144 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.07

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

FOUND PK NAIL
Y=270123.171
X=506619.975

SECTION LINE N88°44'47"W 2,648.99'
1,807.39'

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335
841.60'

T 3 N R 13 E — 29 28 32 33

T 3 N R 13 E — 28 33

SECTION LINE TO STA.25+75.00
S01°15'13"W 1,081.92'

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4 SEC 33-3-13
DOC.No.391223

(13) NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100003

(41) 20' STORM SEWER EASEMENT
DOC.No.1229775

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
8	22+50.00	66.40'	269128.349	508096.568
34	34+59.69	37.57'	268798.564	509265.067
35	21+18.93	37.29'	269051.177	507948.322

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
8 - 11	S79°09'05"E	1197.10'
12 - 44	N79°09'11"W	1348.51'
34 - 35	N79°08'24"W	1340.76'

TLE POINTS		
POINT	STATION	OFFSET
127	28+76.90	66.40'
128	28+92.36	135.53'
129	28+92.36	66.40'
130	29+12.36	66.40'
131	29+12.36	135.53'
132	29+55.66	66.40'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
127 - 128	N23°27'07"E	70.84'
128 - 129	S10°50'49"W	69.13'
129 - 127	N79°09'05"W	15.46'
130 - 131	N10°50'47"E	69.13'
131 - 132	S21°12'53"E	81.57'
132 - 130	N79°09'05"W	43.30'

GN

TLE FOR GRADING
534 SF

TLE FOR GRADING
1,497 SF

SLOPE INTERCEPT (TYP)

128 131 127 130 129 132

FEE 40,587 SF

(39) 10' AMERITECH (NKA AT&T) EASEMENT DOC.No.1370761

(39) AT&T UNDERGROUND FIBER OPTIC

4

STA 25+75.00

MATCH LINE

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

CITY OF JANESVILLE (WATERMAIN)

PL
EXISTING R/W

OF RUGER AVENUE

R/L S79°09'06"E

73' R/W

26+00 27+00 28+00 29+00 30+00 31+00

NE-NW
33-3-13

SLOPE INTERCEPT (TYP)

AT&T (FIBER OPTIC)

IP

EXISTING R/W

10' UTILITY EASEMENT
DOC.No.1288744

25' SANITARY/STORM SEWER EASEMENT
DOC.No.1333289

15' SANITARY/STORM SEWER EASEMENT
DOC.No.1333289

LOT 8

LOT 1
CSM V. 29/PG. 269
DOC.No.1740925

LOT 2
CSM V. 29/PG. 269
DOC.No.1740925

LOT 3
CSM V. 29/PG. 269
DOC.No.1740925

LOT 5

JANESVILLE

1/16 LINE

SE-NW
33-3-13

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4 SEC 33-3-13
DOC.No.391223

RUGER RIDGE SUBDIVISION

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- RUGER RIDGE SUBDIVISION
- CSM VOL.29, PGS.269-271, DOC.NO.1740925

RUGER RIDGE SUBDIVISION

STA 31+75.00

MATCH LINE

4

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.08
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 145 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.08

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
8	22+50.00	66.40'	269128.349	508096.568
11	34+47.10	66.40'	268903.036	509272.274
12	34+53.12	35.54'	268871.603	509272.382
13	36+22.83	35.50'	268839.618	509439.048
14	37+03.92	35.48'	268824.335	509518.687
15	42+55.26	43.45'	268719.509	510064.915

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4
SEC 33-3-13 DOC.No.391223

(13)
NAATZ INVESTMENT PROPERTIES, LLC
c/o SUE ANN DAHL

0233100003

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
11 - 134	S75°51'35"E	156.07'
12 - 11	N00°11'47"W	31.43'
13 - 12	N79°08'11"W	169.71'
14 - 136	N00°59'04"W	43.95'
15 - 14	N79°08'11"W	556.20'
134 - 135	N89°00'56"E	15.00'
135 - 13	S00°59'04"E	25.55'
136 - 137	N90°00'00"E	30.17'
137 - 138	S03°26'02"E	19.78'
138 - 139	S81°16'05"E	270.76'

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335

TLE POINTS		
POINT	STATION	OFFSET
199	38+96.67	40.00'
200	37+34.22	40.00'
201	37+44.31	96.12'
202	37+29.74	98.91'
203	36+40.84	57.38'
204	36+31.03	59.34'
205	36+27.08	37.62'
208	34+30.00	37.56'
209	34+30.00	60.00'
210	33+75.00	60.00'
211	33+75.00	37.55'

(37) BLANKET ELECTRIC EASEMENT
WEST 1/2 OF THE EAST 1/2 SEC 33-3-13
DOC.No.391222

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
8 - 11	S79°09'05"E	1197.10'
11 - 12	S00°11'47"E	31.43'
12 - 44	N79°09'11"W	1348.51'
13 - 12	N79°08'11"W	169.71'
13 - 135	N00°59'04"W	25.55'
14 - 15	S79°08'11"E	556.20'
136 - 14	S00°59'04"E	43.95'

(17)
CITY OF JANESVILLE
0233200500

TLE POINTS		
POINT	STATION	OFFSET
134	36+02.91	57.43'
135	36+17.59	60.51'
136	36+94.91	78.49'
137	37+24.54	84.17'
138	37+29.42	65.00'
139	40+00.00	75.00'

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
31	38+96.68	30.80'	268722.959	509695.525
32	37+17.34	30.87'	268756.651	509519.376
33	36+37.24	37.62'	268765.088	509439.438
34	34+59.69	37.57'	268798.564	509265.067
35	21+18.93	37.29'	269051.177	507948.322

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
31 - 32	N79°10'18"W	179.34'
32 - 202	S00°31'24"W	69.16'
33 - 34	N79°07'57"W	177.56'
34 - 35	N79°08'24"W	1340.76'
203 - 33	N00°31'24"E	20.08'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
208 - 209	S10°50'48"W	22.44'
209 - 210	N79°09'05"W	55.00'
210 - 211	N10°50'48"E	22.45'
211 - 208	S79°08'24"E	55.00'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
31 - 199	S10°56'29"W	9.20'
32 - 31	S79°10'18"E	179.34'
33 - 203	S00°31'24"W	20.08'
199 - 200	N79°09'05"W	162.44'
200 - 201	S00°39'21"W	57.02'
201 - 202	N90°00'00"W	14.84'
202 - 32	N00°31'24"E	69.16'
203 - 204	S89°31'49"W	10.00'
204 - 205	N00°31'24"E	22.08'
205 - 33	S79°07'57"E	10.17'

OPTIMIST COMMUNITY PARK

(19)
CITY OF JANESVILLE
0233200501

WUTHERING HILLS DRIVE

(39) AT&T UNDERGROUND FIBER OPTIC

NE-NW
33-3-13

10' AMERITECH (NKA AT&T) EASEMENT DOC.No.1370161

FEE 40,587 SF

TLE FOR GRADING
4,429 SF

AT&T (FIBER OPTIC)

ALLIANT ENERGY (GAS)

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

SLOPE INTERCEPT (TYP)

EXISTING R/W

PL

5,276.34'
N00°11'39"W
MON. TO RW POINT 12
1,193.63'
S00°11'39"E

R/L S79°09'06"E

STA 31+75.00

STA 37+75.00

MATCH LINE

MATCH LINE

CITY OF JANESVILLE (STORM SEWER)

80' R/W

ALLIANT ENERGY UNDERGROUND ELECTRIC (37)

AT&T UNDERGROUND FIBER OPTIC (39)

TLE FOR GRADING
78,171 SF

16.5' UTILITY EASEMENT
DOC.No.153044

(38) ALLIANT ENERGY UNDERGROUND GAS

AT&T UNDERGROUND FIBER OPTIC (39)

73' R/W

66' R/W

QUARTER LINE

1/4 LINE OF SECTION 33

RUGER AVENUE

1/16 LINE

6' UTILITY EASEMENT
DOC.No.1333289

TLE FOR GRADING
1,235 SF

MON. TO RW POINT 12
4,082.71'
N00°11'39"W

10' UTILITY EASEMENT
DOC.No.1288744

TLE FOR GRADING
211 SF

ALLIANT ENERGY (ELECTRIC)

TLE FOR GRADING
2,513 SF

SW-NE
33-3-13

SE-NW
33-3-13

(14)
LANCE A. BAIOR

LOT 5

LOT 4

LOT 3

LOT 2

(18)
SHANNON P. RILEY AND BRENDA A. RILEY

LOT 1

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- RUGER RIDGE SUBDIVISION
EXISTING RIGHT-OF-WAY FOR WUTHERING HILLS DRIVE ESTABLISHED FROM
- RUGER RIDGE SUBDIVISION

(21)
CITY OF JANESVILLE
0233200096

JANESVILLE

RUGER RIDGE SUBDIVISION

(37) BLANKET ELECTRIC EASEMENT
EAST 1/2 OF THE NW 1/4
SEC 33-3-13 DOC.No.391223

(37) BLANKET ELECTRIC EASEMENT
WEST 1/2 OF THE EAST 1/2 SEC 33-3-13
DOC.No.391222

FOUND ALUM. MON.
Y=264788.907
X=509286.224

T 3 N R 13 E 33

T 3 N R 13 E 28 33 13

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.09
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET — 146 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.09

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335

SECTION LINE N88°40'53"W 2,646.64'
343.06' 2,303.58'

FOUND PK NAIL
Y=270004.315
X=511914.276

T 3 N R 13 E — 28 27 33 34

(37) BLANKET ELECTRIC EASEMENT
WEST 1/2 OF THE EAST 1/2 SEC 33-3-13
DOC.No.391222

NW-NE 33-3-13

OPTIMIST COMMUNITY PARK

TLE POINTS		
POINT	STATION	OFFSET
138	37+29.42	65.00'
139	40+00.00	75.00'
140	41+50.00	135.00'
141	44+50.00	120.00'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
15 - 14	N79°08'11"W	556.20'
16 - 15	N64°53'43"W	587.24'
138 - 139	S81°16'05"E	270.76'
139 - 140	N79°34'06"E	164.38'
140 - 141	S67°44'10"E	328.34'

PI STA = 42+61.11
Y = 268684.620
X = 510059.241
DELTA = 14°11'42"
D = 5°12'31"
T = 136.96'
L = 272.52'
R = 1100.00'
PC STA = 41+24.15
PT STA = 43+96.67

GN

(19) CITY OF JANESVILLE
0233200501

140 — TLE FOR GRADING 78,171 SF

SECTION LINE TO STA.37+75.00 S01°19'07"W 1,281.55'

16.5' UTILITY EASEMENT DOC.No.1530414

(37) ALLIANT ENERGY UNDERGROUND ELECTRIC
(39) AT&T UNDERGROUND FIBER OPTIC
(38) ALLIANT ENERGY UNDERGROUND GAS

139

SLOPE INTERCEPT (TYP)

1/16 LINE

(40) CHARTER COMMUNICATIONS UNDERGROUND CABLE

STA 37+75.00

4

ALLIANT ENERGY (ELECTRIC)

66' R/W

PL EXISTING R/W AT&T (FIBER OPTIC)

ALLIANT ENERGY (GAS)

PC: 41+24.15

CITY OF JANESVILLE (WATERMAIN)

RUGER AVENUE

CITY OF JANESVILLE (SANITARY SEWER)

38+00 39+00 40+00 41+00 42+00 43+00

R/L S79°09'06"E

73' R/W

ALLIANT ENERGY (ELECTRIC)

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

EXISTING R/W PL

(39) AT&T UNDERGROUND FIBER OPTIC

TLE FOR GRADING 2,513 SF

(21) CITY OF JANESVILLE
0233200096

TLE POINTS		
POINT	STATION	OFFSET
187	46+45.00	53.25'
188	43+37.78	38.48'
189	41+11.66	38.06'
190	41+11.65	45.00'
191	40+96.66	45.00'
192	40+96.67	38.05'
193	40+96.65	55.00'
194	39+96.65	55.00'
195	39+96.67	37.92'
196	39+96.65	50.00'
197	39+45.00	50.00'
198	39+45.10	37.84'
199	38+96.67	40.00'
200	37+34.22	40.00'
226	43+14.92	36.00'
227	43+15.00	41.00'
228	42+36.33	32.67'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
27 - 26	S64°56'32"E	291.37'
29 - 226	S65°00'30"E	56.17'
31 - 199	S10°56'29"W	9.20'
32 - 31	S79°10'18"E	179.34'
187 - 188	N62°28'14"W	305.42'
188 - 27	N25°00'22"E	8.08'
189 - 190	S10°55'09"W	6.93'
190 - 191	N79°10'07"W	14.99'
191 - 192	N10°55'09"E	6.95'
192 - 189	S79°04'51"E	14.99'
192 - 193	S10°55'09"W	16.95'
193 - 194	N79°09'05"W	99.99'
194 - 195	N10°53'54"E	17.08'
195 - 192	S79°04'51"E	100.00'
195 - 196	S10°55'09"W	12.08'
196 - 197	N79°09'05"W	51.65'
197 - 198	N11°18'19"E	12.16'
198 - 195	S79°03'36"E	51.57'
199 - 200	N79°09'05"W	162.44'
226 - 227	S19°58'54"W	5.00'
227 - 228	N65°00'30"W	76.47'
228 - 29	S79°04'51"E	20.48'

TLE FOR GRADING 626 SF

CHARTER COMMUNICATIONS UNDERGROUND CABLE (40)
ALLIANT ENERGY UNDERGROUND ELECTRIC (37)

(39) AT&T UNDERGROUND FIBER OPTIC
(37) ALLIANT ENERGY UNDERGROUND ELECTRIC
(40) CHARTER COMMUNICATIONS UNDERGROUND CABLE

SLOPE INTERCEPT (TYP)

TLE FOR GRADING 1,702 SF

TLE FOR GRADING 104 SF

CHARTER COMMUNICATIONS (TV)

EXISTING R/W PL

10' UTILITY EASEMENT DOC.No.1615176

CHARTER COMMUNICATIONS UNDERGROUND CABLE (40)

TLE FOR GRADING 330 SF

ALLIANT ENERGY (OVERHEAD)

AT&T UNDERGROUND FIBER OPTIC (39)

ALLIANT ENERGY UNDERGROUND ELECTRIC (37)

TLE FOR GRADING 4,329 SF

(39) 30' RIGHT-OF-WAY DOC.No.1005041
-30' UTILITY EASEMENT DOC.No.1311271
-30' AMERITECH EASEMENT DOC.No.1358296 W/ AFFIDAVIT OF CORRECTION DOC.No.1497741

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
14	37+03.92	35.48'	268824.335	509518.687
15	42+55.26	43.45'	268719.509	510064.915
16	48+38.20	32.67'	268470.359	510596.677
26	46+31.23	31.99'	268498.368	510382.295
27	43+38.22	30.41'	268621.772	510118.349
28	43+37.84	37.40'	268615.428	510115.390
29	42+57.28	30.41'	268648.538	510044.360
30	38+96.67	37.80'	268716.090	509694.196
31	38+96.68	30.80'	268722.959	509695.525
32	37+17.34	30.87'	268756.651	509519.376

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
14 - 15	S79°08'11"E	556.20'
15 - 16	S64°53'43"E	587.24'
26 - 27	N64°56'32"W	291.37'
27 - 28	S25°00'22"W	7.00'
28 - 29	N65°00'30"W	78.37'
29 - 30	N79°04'51"W	356.62'
30 - 31	N10°56'54"E	7.00'
31 - 32	N79°10'18"W	179.34'

(22) CRAIG J. GRAMKE AND PATRICIA A. GRAMKE
LOT 1
CSM V. 26/PG. 152
DOC.No.1615176

(23) CRAIG A. SCHUMACHER AND DAWN M. SCHUMACHER
LOT 2
CSM V. 26/PG. 152
DOC.No.1615176

SW-NE 33-3-13

(24) MICHAEL J. FRAZIER AND NANCY E. FRAZIER
LOT 3
CSM V. 26/PG. 152
DOC.No.1615176

(16) MICHAEL J. SHERIDAN
LOT 4
CSM V. 26/PG. 152
DOC.No.1615176

(21) CITY OF JANESVILLE
0233200096

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- CSM VOL.26, PGS.152-154, DOC.NO.1615176

(37) BLANKET ELECTRIC EASEMENT
WEST 1/2 OF THE EAST 1/2 SEC 33-3-13
DOC.No.391222

MATCH LINE

STA 43+75.00

JANESVILLE

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.10
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 147 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.10

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

(37) BLANKET ELECTRIC EASEMENT WEST 1/2 OF THE EAST 1/2 SEC 33-3-13 DOC.No.391222

NW-NE 33-3-13

FOUND LIMESTONE MON. Y=270065.222 X=509268.335

SECTION LINE N88°40'53"W 2,646.64' 1,718.71' 927.93'

FOUND PK NAIL Y=270004.315 X=511914.276

1/16 LINE

T 3 N R 13 E — 28 27 33 34

OPTIMIST COMMUNITY PARK

PI STA = 42+61.11
Y = 268684.620
X = 510059.241
DELTA = 14°11'42"
D = 5°12'31"
T = 136.96'
L = 272.52'
R = 1100.00'
PC STA = 41+24.15
PT STA = 43+96.67

SECTION LINE TO STA 43+75.00 S01°19'07"W 1,408.62'

(19) CITY OF JANESVILLE 0233200501

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
15 - 16	S64°53'43"E	587.24'
16 - 17	N00°24'12"W	7.50'
17 - 18	S69°26'10"E	225.92'
23 - 24	N69°25'41"W	216.23'
24 - 25	N65°02'14"W	217.96'
25 - 26	N07°53'01"W	8.34'
26 - 27	N64°56'32"W	291.37'

TLE POINTS		
POINT	STATION	OFFSET
173	50+37.27	50.26'
174	50+37.74	40.28'
175	49+49.45	47.89'
176	49+49.49	37.89'
177	49+00.96	48.27'
178	49+01.15	58.27'
179	48+44.72	60.24'
180	48+43.75	39.59'
181	48+36.09	60.68'
182	47+32.66	60.00'
183	47+32.66	38.85'
187	46+45.00	53.25'
188	43+37.78	38.48'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
24 - 176	S69°25'41"E	99.00'
26 - 187	S07°53'01"E	25.32'
27 - 26	S64°56'32"E	291.37'
173 - 175	N69°25'41"W	90.00'
175 - 176	N20°34'19"E	10.00'
175 - 177	N69°25'41"W	49.65'
176 - 174	S69°25'41"E	90.00'
177 - 178	S20°34'19"W	10.00'
178 - 179	N69°25'41"W	58.13'
179 - 181	N69°25'41"W	8.90'
180 - 24	S65°02'14"E	8.81'
180 - 179	S20°34'19"W	20.67'
181 - 182	N64°57'24"W	104.99'
182 - 183	N25°02'36"E	21.15'
183 - 180	S65°02'14"E	112.25'
187 - 188	N62°28'14"W	305.42'
188 - 27	N25°00'22"E	8.08'

GN

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
15	42+55.26	43.45'	268719.509	510064.915
16	48+38.20	32.67'	268470.359	510596.677
17	48+35.10	39.52'	268477.855	510596.625
18	50+65.64	38.45'	268398.500	510808.149
23	50+64.38	41.78'	268322.145	510783.478
24	48+52.39	39.86'	268398.125	510581.036
25	46+35.77	38.99'	268490.110	510383.438
26	46+31.23	31.99'	268498.368	510382.295
187	46+45.00	53.25'	268473.284	510385.768
188	43+37.78	38.48'	268614.448	510114.933

PI STA = 49+61.52
Y = 268387.539
X = 510695.073
DELTA = 10°06'52"
D = 2°51'53"
T = 176.99'
L = 353.06'
R = 2000.00'
PC STA = 47+84.53
PT STA = 51+37.59

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
16 - 15	N64°53'43"W	587.24'
17 - 16	S00°24'12"E	7.50'
139 - 140	N79°34'06"E	164.38'
140 - 141	S67°44'10"E	328.34'
141 - 143	S59°44'20"E	494.83'
143 - 144	S14°55'15"W	26.38'
144 - 17	N69°26'10"W	113.67'

TLE POINTS		
POINT	STATION	OFFSET
138	37+29.42	65.00'
139	40+00.00	75.00'
140	41+50.00	135.00'
141	44+50.00	120.00'
143	49+48.58	68.51'
144	49+51.13	42.24'

OAKLAND VALLEY

LOT 1

STA 49+75.00

MATCH LINE

(39) AT&T UNDERGROUND FIBER OPTIC
(40) CHARTER COMMUNICATIONS UNDERGROUND CABLE

(39) AT&T UNDERGROUND FIBER OPTIC
(40) CHARTER COMMUNICATIONS UNDERGROUND CABLE

16.5' UTILITY EASEMENT DOC.NO.1530414

SLOPE INTERCEPT (TYP)

10' UTILITY EASEMENT DOC.No.: 1191088

(37) ALLIANT ENERGY UNDERGROUND ELECTRIC

EXISTING R/W

PL

ALLIANT ENERGY (GAS)

ALLIANT ENERGY (ELECTRIC)

CHARTER COMMUNICATIONS (TV)

CITY OF JANESVILLE (WATERMAIN)

SW-NE 33-3-13

OF

PI: 43+96.67

PC: 47+84.53

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

41+00 45+00 46+00 47+00 48+00 49+00

R/L S64°57'24"E

RUGER AVENUE

66' R/W

R/W VARIES

80' R/W

LINE

1/16

SE-NE 33-3-13

AT&T (FIBER OPTIC)

(40) CHARTER COMMUNICATIONS UNDERGROUND CABLE
(37) ALLIANT ENERGY UNDERGROUND ELECTRIC

EXISTING R/W

PL

26 IP 25 24 IP

180 183 182 187 176 177 178 179 181

(39) AT&T UNDERGROUND FIBER OPTIC

TLE FOR GRADING 4,329 SF

TLE FOR GRADING 78,171 SF

SLOPE INTERCEPT (TYP)

TLE FOR GRADING 2,397 SF

TLE FOR GRADING 1,662 SF

10' UTILITY EASEMENT DOC.No.1746600

15' SANITARY SEWER AND WATERMAIN EASEMENT DOC.No.1746600

(21) CITY OF JANESVILLE 0233200096

(26) CITY OF JANESVILLE LOT 11

(27) CITY OF JANESVILLE LOT 12

(28) CITY OF JANESVILLE LOT 13

RUGER RIDGE FIRST ADDITION

JANESVILLE

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- RUGER RIDGE FIRST ADDITION SUBDIVISION
- OAKLAND VALLEY SUBDIVISION

(37) BLANKET ELECTRIC EASEMENT WEST 1/2 OF THE EAST 1/2 SEC 33-3-13 DOC.No.391222

4 4

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.11
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 148 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.11

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

CITY

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE ESTABLISHED FROM
- RUGER RIDGE FIRST ADDITION SUBDIVISION
- OAKLAND VALLEY SUBDIVISION
- CSM. VOL.18, PGS.99-101, DOC. NO. 1255883

OAKLAND VALLEY

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
145 - 146	N14°55'44"E	10.25'
146 - 229	S75°04'16"E	24.52'
147 - 148	S14°55'15"W	10.24'
148 - 230	N75°04'45"W	50.80'
149 - 150	N14°55'15"E	10.00'
150 - 151	S75°04'45"E	30.00'
151 - 152	S14°55'15"W	10.00'
152 - 149	N75°04'45"W	30.00'
229 - 147	S75°04'16"E	50.80'
229 - 230	S14°55'15"W	10.24'
230 - 145	N75°04'45"W	24.53'
230 - 229	N14°55'15"E	10.24'

TLE POINTS		
POINT	STATION	OFFSET
159	54+35.44	40.41'
160	54+35.44	50.00'
161	54+00.00	50.00'
162	54+00.00	105.00'
163	53+35.00	105.00'
164	53+35.00	45.00'
165	53+05.87	45.00'
166	53+05.87	40.41'
167	53+05.87	50.00'
168	52+15.87	50.00'
169	52+15.87	40.41'
170	51+26.16	50.03'
171	51+26.10	40.45'
172	50+60.17	51.54'
173	50+37.27	50.26'
174	50+37.74	40.28'
175	49+49.45	47.89'
176	49+49.49	37.89'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
23 - 171	S75°04'16"E	63.00'
168 - 170	N75°04'16"W	90.00'
169 - 168	S14°55'44"W	9.59'
170 - 171	N14°55'44"E	9.59'
170 - 172	N75°04'12"W	67.67'
171 - 169	S75°04'16"E	90.00'
172 - 173	N69°25'41"W	23.52'
173 - 174	N20°34'19"E	10.00'
173 - 175	N69°25'41"W	90.00'
174 - 23	S69°25'41"E	27.23'
175 - 176	N20°34'19"E	10.00'
176 - 174	S69°25'41"E	90.00'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
159 - 160	S14°55'44"W	9.59'
160 - 161	N75°04'16"W	35.44'
161 - 162	S14°55'44"W	55.00'
162 - 163	N75°04'16"W	65.00'
163 - 164	N14°55'44"E	60.00'
164 - 165	N75°04'16"W	29.13'
165 - 166	N14°55'44"E	4.59'
166 - 159	S75°04'16"E	129.57'
166 - 167	S14°55'44"W	9.59'
167 - 168	N75°04'16"W	90.00'
168 - 169	N14°55'44"E	9.59'
169 - 166	S75°04'16"E	90.00'

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
17	48+35.10	39.52'	268477.855	510596.625
18	50+65.64	38.45'	268398.500	510808.149
19	59+50.33	39.85'	268171.067	511661.657
22	58+85.44	40.41'	268110.235	511578.283
23	50+64.38	41.78'	268322.145	510783.478
24	48+52.39	39.86'	268398.125	510581.036

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335

SECTION LINE N88°40'53"W 2,646.64'
2,037.81'
608.83'

FOUND PK NAIL
Y=270004.315
X=511914.276

T 3 N, R 13 E: 28, 27, 33, 34

GN

SECTION LINE TO STA.55+50.00
S01°19'07"W 1,783.10'

LOT 1

LOT 2

LOT 3

LOT 4

LOT 6

UNIT "A"

UNIT "B"

30 KERRY K. HANSON AND PATRICIA J. HANSON

33 JOHN M. DECKER AND SHARYN K. DECKER

34 TRAGNI LIFE ESTATE FRANCIS J. TRAGNI AND ADELE A. TRAGNI

LOT 1 CSM V. 18/PG. 99 DOC.No.1255883

LOT 2 CSM V. 18/PG. 99 DOC.No.1255883

10' UTILITY EASEMENT DOC.No.1191088

STA 49+75.00

STA 55+50.00

MATCH LINE

MATCH LINE

PL EXISTING R/W

80' R/W

RUGER AVENUE OF

PI STA 51+37.59

50+00 51+00 52+00 53+00 54+00 55+00

R/L S75°04'16"E

SE-NE 33-3-13

ALLIANT ENERGY (ELECTRIC)

CHARTER COMMUNICATIONS (TV)

SLOPE INTERCEPT (TYP)

ALLIANT ENERGY (GAS)

CITY OF JANESVILLE (WATERMAIN)

CITY OF JANESVILLE (SANITARY SEWER)

CITY OF JANESVILLE (STORM SEWER)

AT&T (FIBER OPTIC)

37 ALLIANT ENERGY UNDERGROUND ELECTRIC

40 CHARTER COMMUNICATIONS UNDERGROUND CABLE

39 AT&T UNDERGROUND FIBER OPTIC

TLE FOR GRADING 251 SF

TLE FOR GRADING 520 SF

TLE FOR GRADING 300 SF

TLE FOR GRADING 900 SF

TLE FOR GRADING 880 SF

TLE FOR GRADING 863 SF

TLE FOR GRADING 863 SF

TLE FOR GRADING 4,667 SF

146 145 229 147 150 151 148 149 152 230 174 173 172 171 170 169 168 166 165 167 164 161 159 160 163 162

18 23 IP

10' UTILITY EASEMENT DOC.No.1746600

8' UTILITY EASEMENT DOC.No.1746600

32 GERALD TREAT AND REBECCA RURY LIVING TRUST LOT 16

28 CITY OF JANESVILLE LOT 13

29 CITY OF JANESVILLE LOT 14

31 CITY OF JANESVILLE LOT 15

21 CITY OF JANESVILLE 0233200096

PI STA = 49+61.52
Y = 268387.539
X = 510695.073
DELTA = 10°06'52"
D = 2°51'53"
T = 176.99'
L = 353.06'
R = 2000.00'
PC STA = 47+84.53
PT STA = 51+37.59

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
17 - 18	S69°26'10"E	225.92'
18 - 19	S75°04'45"E	883.29'
22 - 23	N75°04'16"W	822.57'
23 - 24	N69°25'41"W	216.23'

TLE POINTS		
POINT	STATION	OFFSET
145	52+80.00	39.75'
146	52+80.00	50.00'
147	53+55.33	50.00'
148	53+55.33	39.76'
149	53+89.99	39.77'
150	53+89.99	49.77'
151	54+19.99	49.77'
152	54+19.99	39.77'
229	53+04.52	50.00'
230	53+04.53	39.76'

LOT 17 LOT 18

RUGER RIDGE FIRST ADDITION

JANESVILLE

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.12
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 149 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.12

PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

4

4

CITY

OAKLAND VALLEY

35 GARY E. SHULZE

36 KATHLEEN D. STADDLER

LOT 6 UNIT "A"

LOT 6 UNIT "B"

LOT 7

LOT 8

LOT 9

LOT 10

FOUND LIMESTONE MON.
Y=270065.222
X=509268.335

SECTION LINE N88°40'53"W 2,646.64'
608.83'
2,037.81'

FOUND PK NAIL
Y=270004.315
X=511914.276

T 3 N R 13 E
28 27 33 34

EXISTING HIGHWAY RIGHT-OF-WAY FOR RUGER AVENUE
ESTABLISHED FROM
- RUGER RIDGE FIRST ADDITION SUBDIVISION
- OAKLAND VALLEY SUBDIVISION
EXISTING RIGHT-OF-WAY FOR USH 14
ESTABLISHED FROM
- OAKLAND VALLEY SUBDIVISION

PI=64+61.23
Y=268000.943
X=512145.054

GN

4

4

STA 55+50.00

37 ALLIANT ENERGY UNDERGROUND ELECTRIC
40 CHARTER COMMUNICATIONS UNDERGROUND CABLE

TLE FOR GRADING 147 SF

231 154 155 156 153 232

TLE FOR GRADING 160 SF

PL EXISTING R/W

ALLIANT ENERGY (ELECTRIC)

SECTION LINE TO STA.55+50.00
S01°19'07"W 1,783.10'

10' UTILITY EASEMENT DOC.No.1191088

ALLIANT ENERGY (GAS)

CHARTER COMMUNCATIONS (TV)

SLOPE INTERCEPT (TYP)

ALLIANT ENERGY (GAS)

END RELOCATION ORDER
STA. 59+83.07
Y=268124.130
X=511683.027

56+00 57+00 58+00 59+00 60+00 61+00

CITY OF JANESVILLE (SANITARY SEWER)
R/L S75°04'16"E

CITY OF JANESVILLE (WATERMAIN)

80' R/W

73' R/W

USH 14

RUGER AVENUE

SE-NE 33-3-13

CHARTER COMMUNICATIONS (TV)

AT&T (TELEPHONE)

WINDSTREAM (FIBER OPTIC)

SLOPE INTERCEPT (TYP)

EXISTING R/W

AT&T (FIBER OPTIC)

ALLIANT ENERGY (OVERHEAD)

MATCH LINE

158

TLE FOR GRADING 1,436 SF

157

AT&T UNDERGROUND FIBER OPTIC 39

21 CITY OF JANESVILLE 0233200096

JANESVILLE

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
20 - 157	S38°09'32"E	27.62'
21 - 20	S75°04'16"E	75.54'
153 - 154	N14°55'44"E	10.21'
154 - 231	S75°04'16"E	15.64'
155 - 156	S14°55'44"W	10.20'
156 - 232	N75°04'45"W	14.36'
157 - 158	N75°04'16"W	97.63'
158 - 21	N14°55'44"E	16.59'
231 - 155	S75°04'16"E	14.36'
231 - 232	S14°55'15"W	10.21'
232 - 153	N75°04'45"W	15.64'
232 - 231	N14°55'15"E	10.21'

10' UTILITY EASEMENT DOC.No.1746600

R/W POINTS				
Point #	STATION	OFFSET	NORTHING	EASTING
18	50+65.64	38.45'	268398.500	510808.149
19	59+50.33	39.85'	268171.067	511661.657
20	59+60.98	33.41'	268097.537	511653.079
21	58+85.44	33.41'	268116.999	511580.086
22	58+85.44	40.41'	268110.235	511578.283
23	50+64.38	41.78'	268322.145	510783.478

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
18 - 19	S75°04'45"E	883.29'
19 - 20	S06°39'14"W	74.03'
20 - 21	N75°04'16"W	75.54'
21 - 22	S14°55'44"W	7.00'
22 - 23	N75°04'16"W	822.57'

TLE POINTS		
POINT	STATION	OFFSET
153	55+55.00	39.79'
154	55+55.00	50.00'
155	55+85.00	50.00'
156	55+85.00	39.80'
157	59+83.07	50.00'
158	58+85.44	50.00'
231	55+70.64	50.00'
232	55+70.64	39.79'

LOT 18

LOT 19

LOT 20

LOT 21

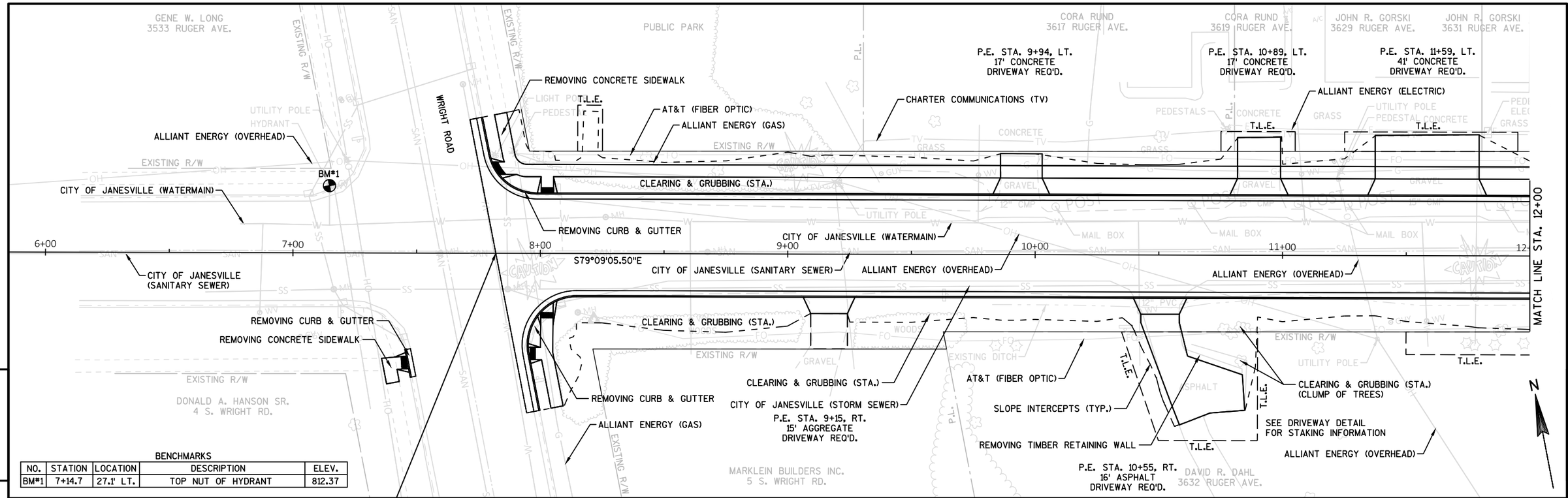
RUGER RIDGE FIRST ADDITION

REVISION DATE 7/2/2018	DATE 5/1/2018	SCALE, FEET 0 20 40	HWY: RUGER AVENUE	R/W PROJECT NUMBER 5990-00-37	PLAT SHEET 4.13
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-00-38	PS&E SHEET 150 E

FILE NAME : PLAT_RECOVER.DWG
LAYOUT NAME - 5990-00-37 4.13

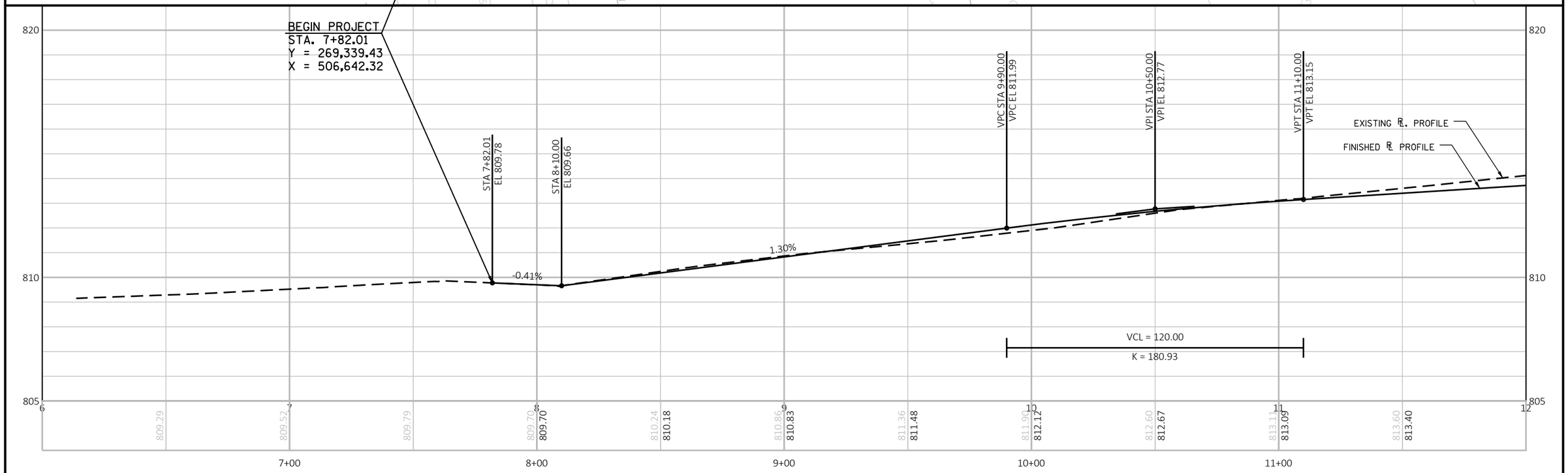
PLOT DATE : 7/2/2018 3:44 PM PLOT BY : DAN HIGGS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75



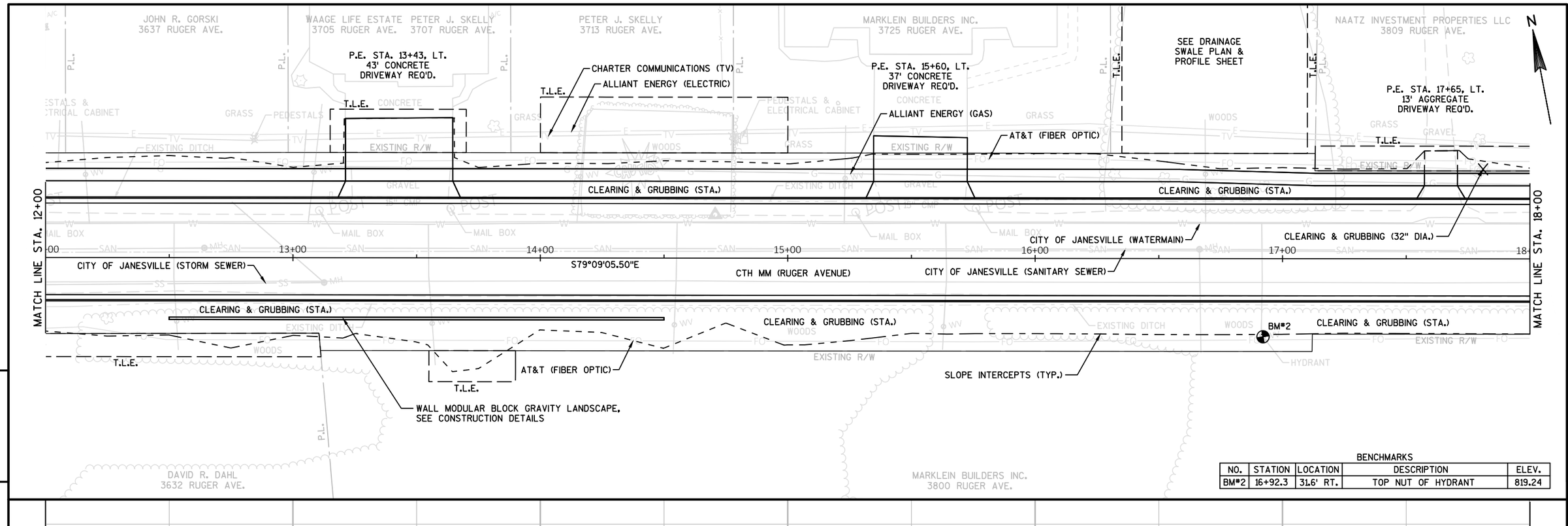
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	7+14.7	27.1' LT.	TOP NUT OF HYDRANT	812.37



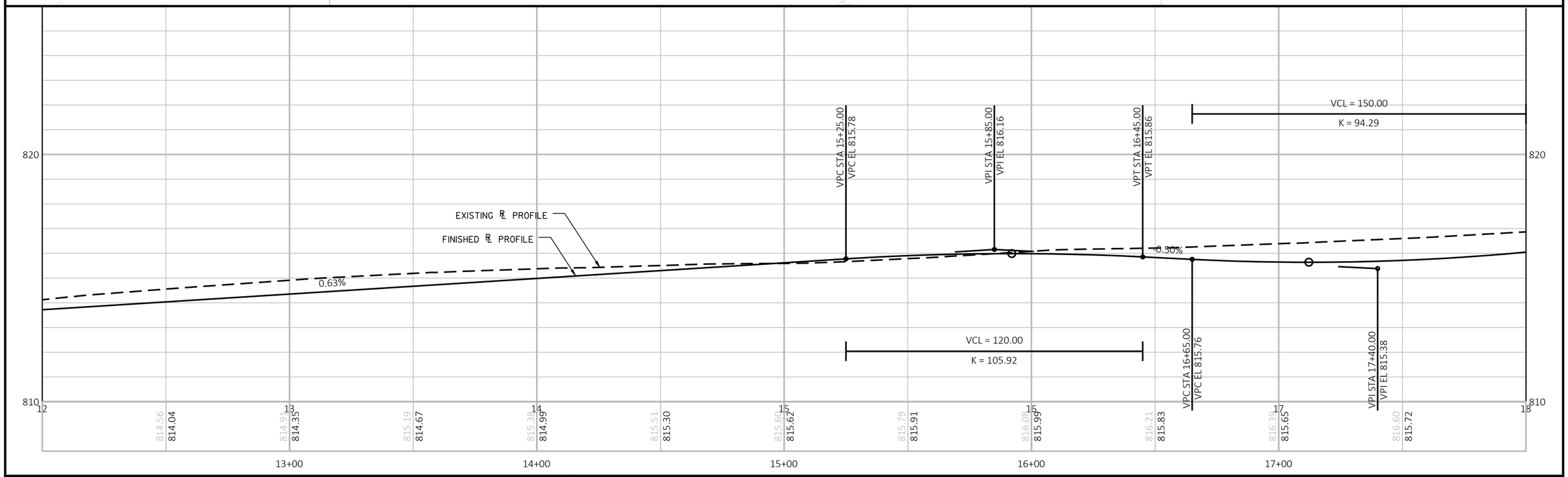
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 151	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101
PLOT DATE : 10/30/2018 8:44 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



BENCHMARKS

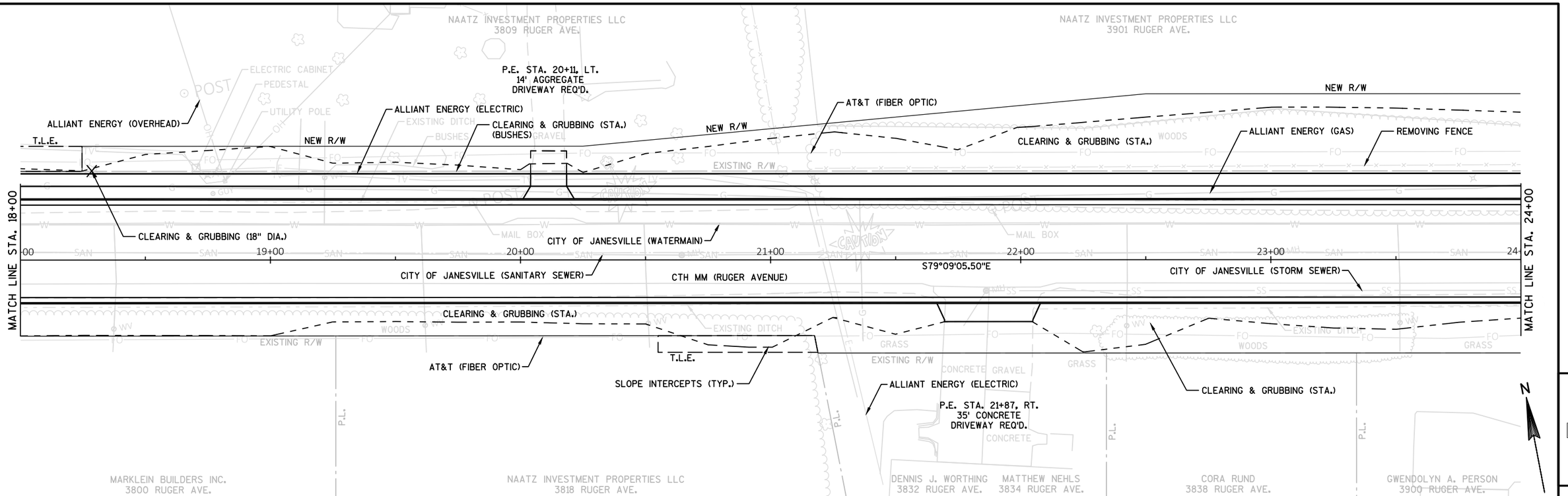
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#2	16+92.3	31.6' RT.	TOP NUT OF HYDRANT	819.24

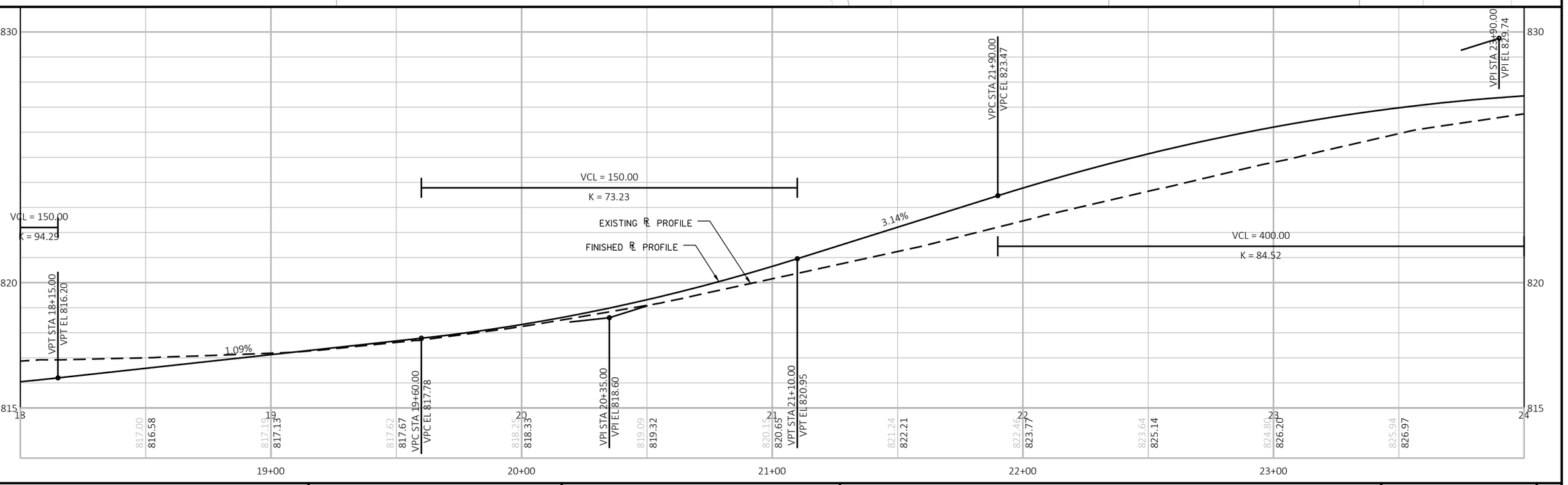


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 152	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102

PLOT DATE : 10/30/2018 8:44 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

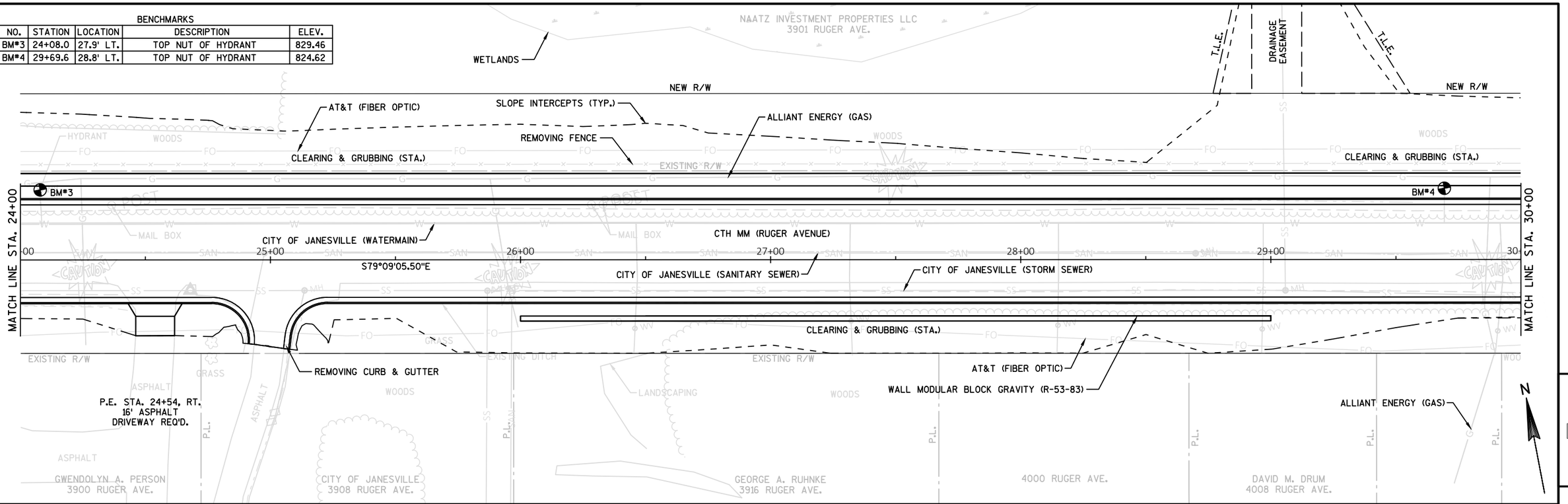


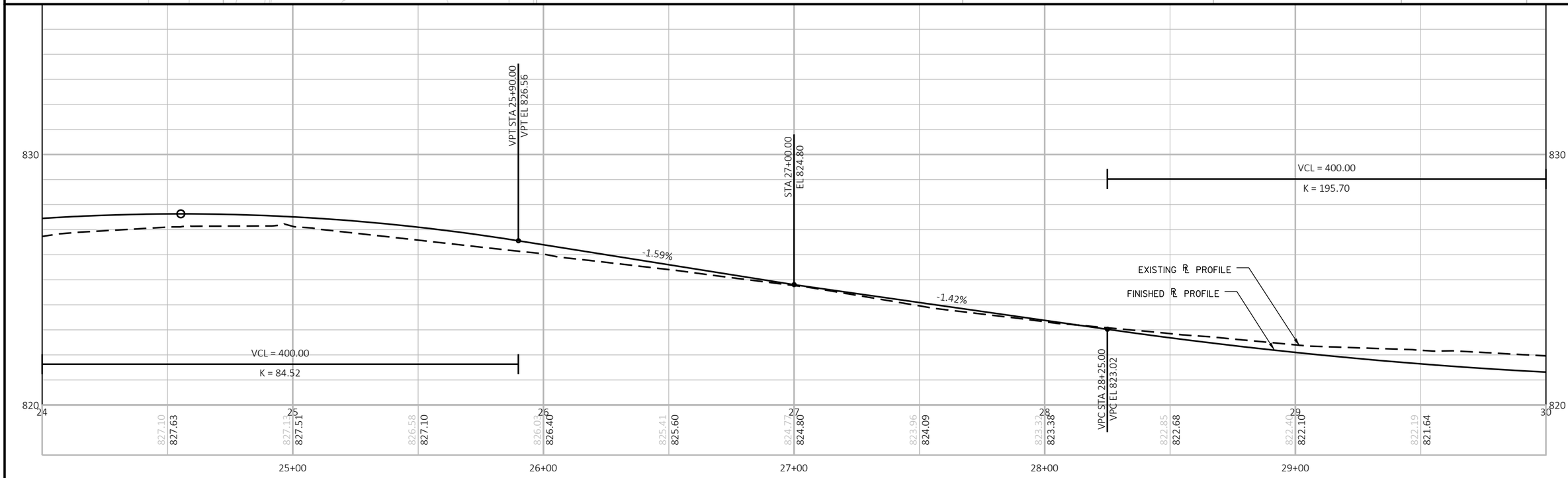


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 153	E

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*3	24+08.0	27.9' LT.	TOP NUT OF HYDRANT	829.46
BM*4	29+69.6	28.8' LT.	TOP NUT OF HYDRANT	824.62





PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 154	E

NAATZ INVESTMENT PROPERTIES LLC
3901 RUGER AVE.

CITY OF JANESVILLE
1 N. WUTHERING HILLS DR.

NEW R/W

ALLIANT ENERGY (GAS)

AT&T (FIBER OPTIC)

T.L.E.

REMOVING FENCE

CLEARING & GRUBBING (STA.)

EXISTING R/W

CLEARING & GRUBBING (STA.)

MATCH LINE STA. 30+00

MATCH LINE STA. 36+00

CITY OF JANESVILLE (WATERMAIN)

S79°09'05.50"E

CITY OF JANESVILLE (STORM SEWER)

CITY OF JANESVILLE (SANITARY SEWER)

CTH MM (RUGER AVENUE)

CLEARING & GRUBBING (STA.)

SLOPE INTERCEPTS (TYP.)

AT&T (FIBER OPTIC)

P.E. STA. 31+70, RT.
20' AGGREGATE
DRIVEWAY REQ'D.

P.E. STA. 33+01, RT.
22' CONCRETE
DRIVEWAY REQ'D.

T.L.E.

P.E. STA. 34+02, RT.
19' ASPHALT
DRIVEWAY REQ'D.

P.E. STA. 35+02, RT.
20' CONCRETE
DRIVEWAY REQ'D.

P.E. STA. 35+65, RT.
23' CONCRETE
DRIVEWAY REQ'D.

CHRISTOPHER T. ALGER
4012 RUGER AVE.

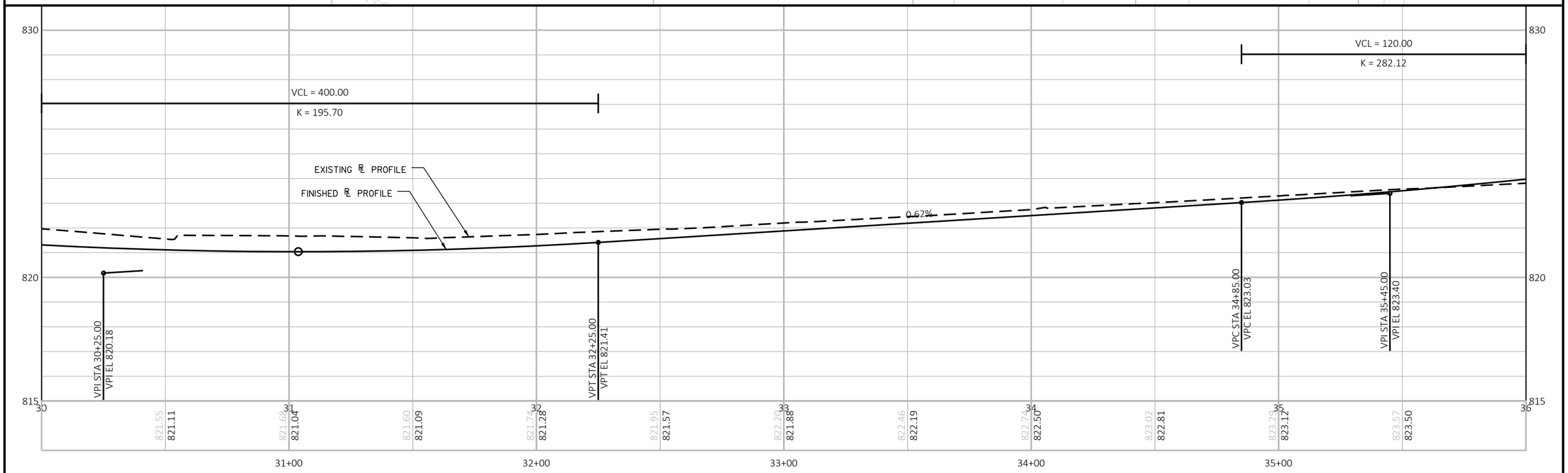
STEVEN A. SCIDMORE
4018 RUGER AVE.

JEFFREY R. WISKIA
4026 RUGER AVE.

LANCE A. BAIOR
4034 RUGER AVE.

JUAN M. AVILA
4104 RUGER AVE.

SHANNON P. RILEY
4116 RUGER AVE.

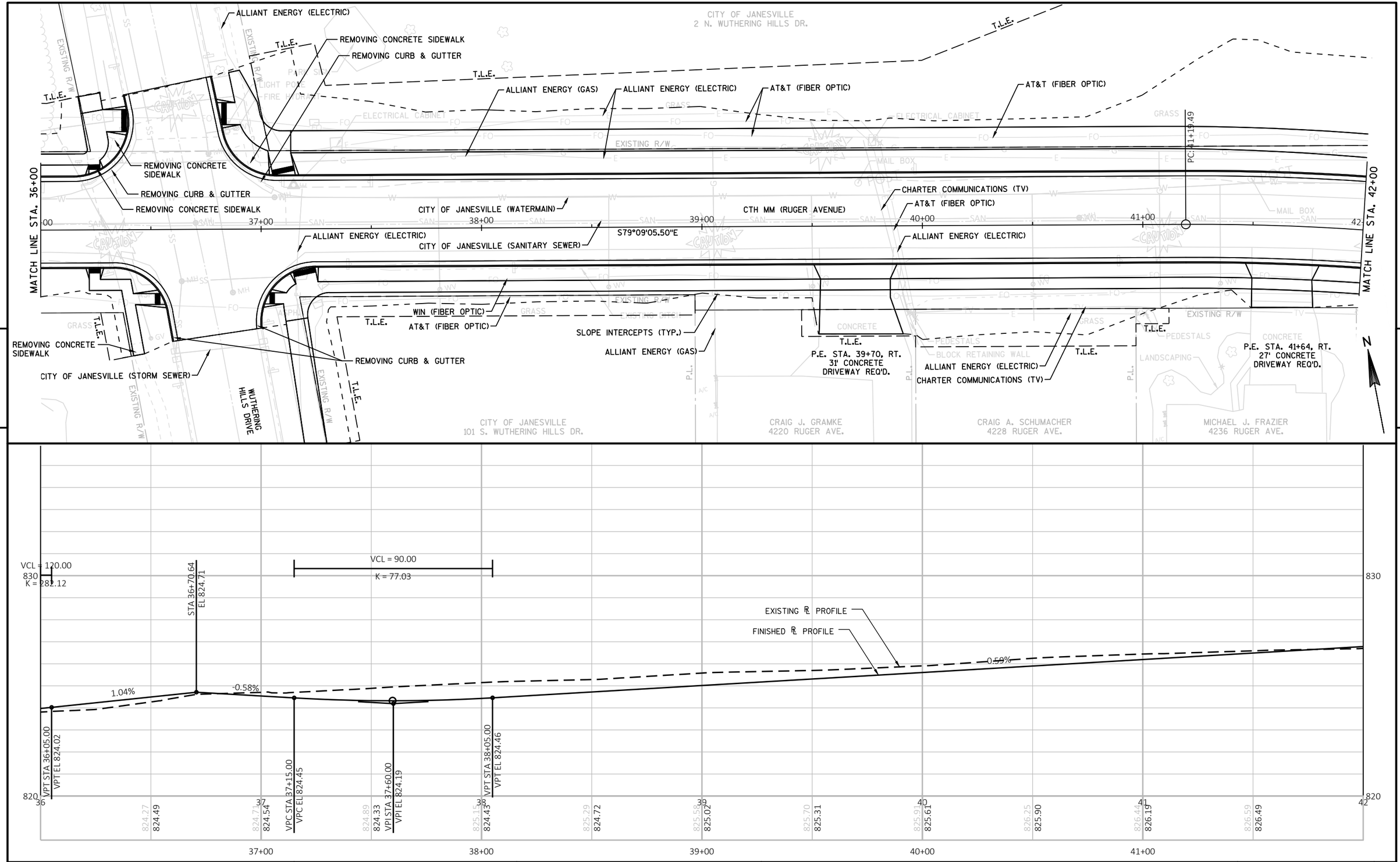


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 155	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050105

PLOT DATE : 10/30/2018 8:44 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

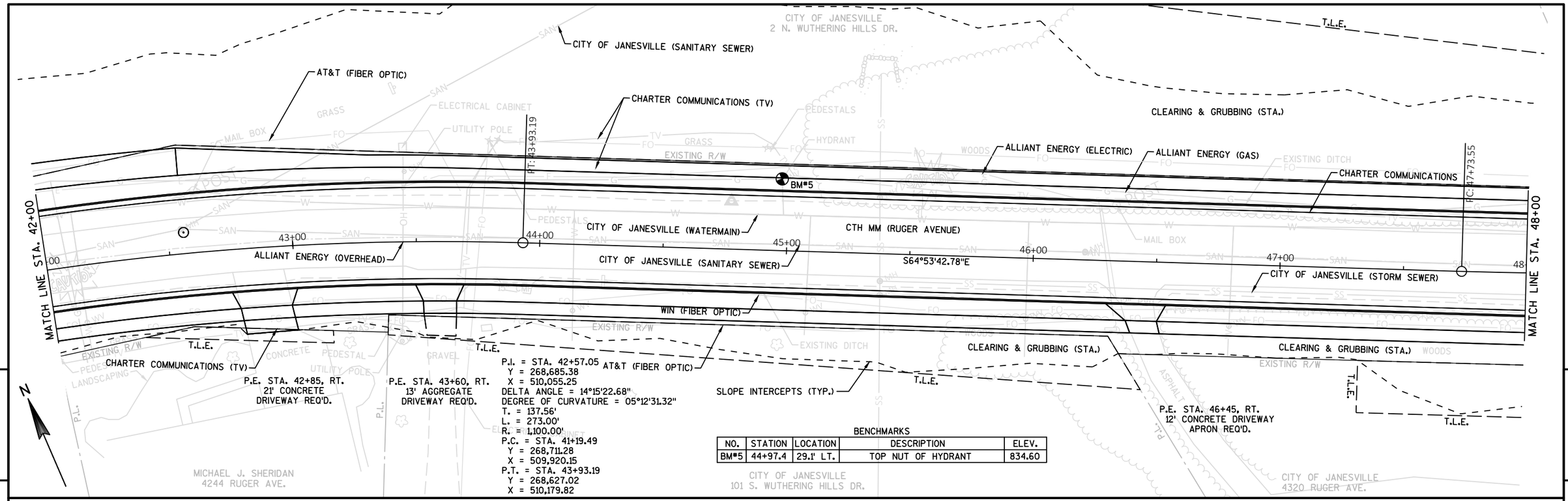


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 156	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050106

PLOT DATE : 10/30/2018 8:45 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

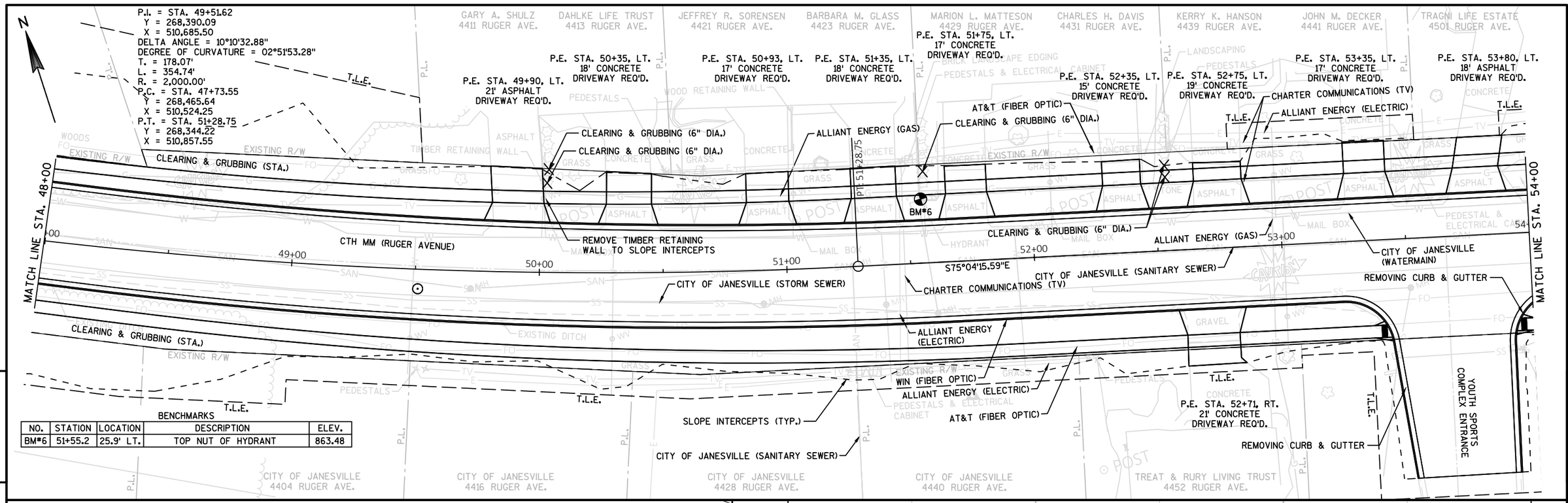
WISDOT/CADDS SHEET 44

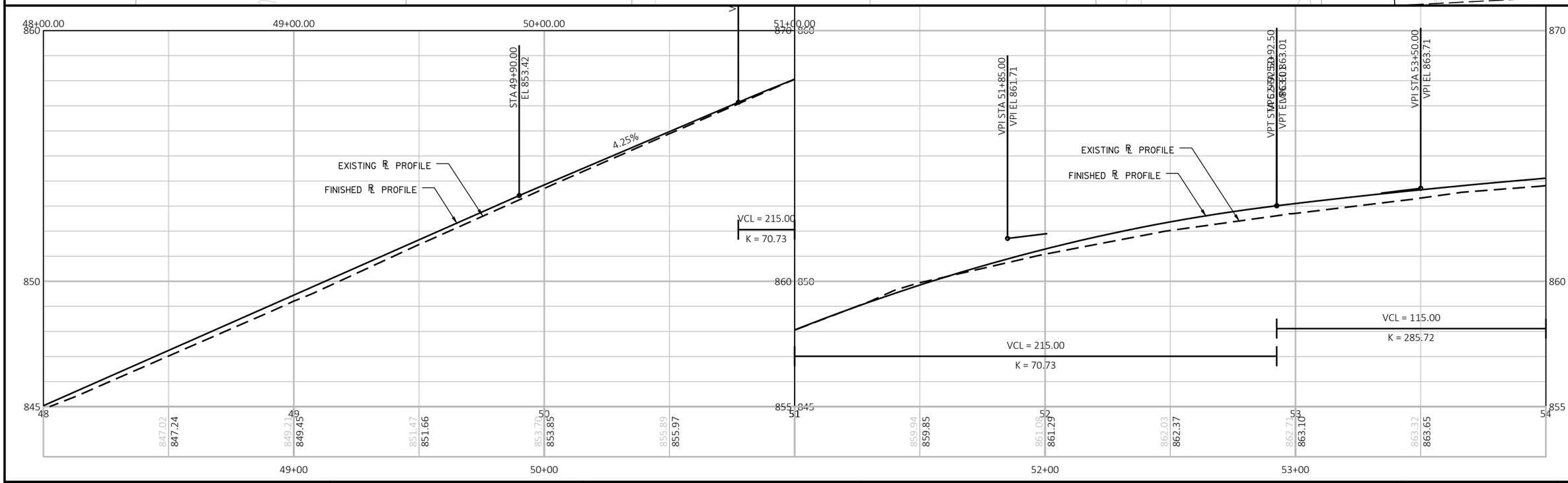


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 157	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050107

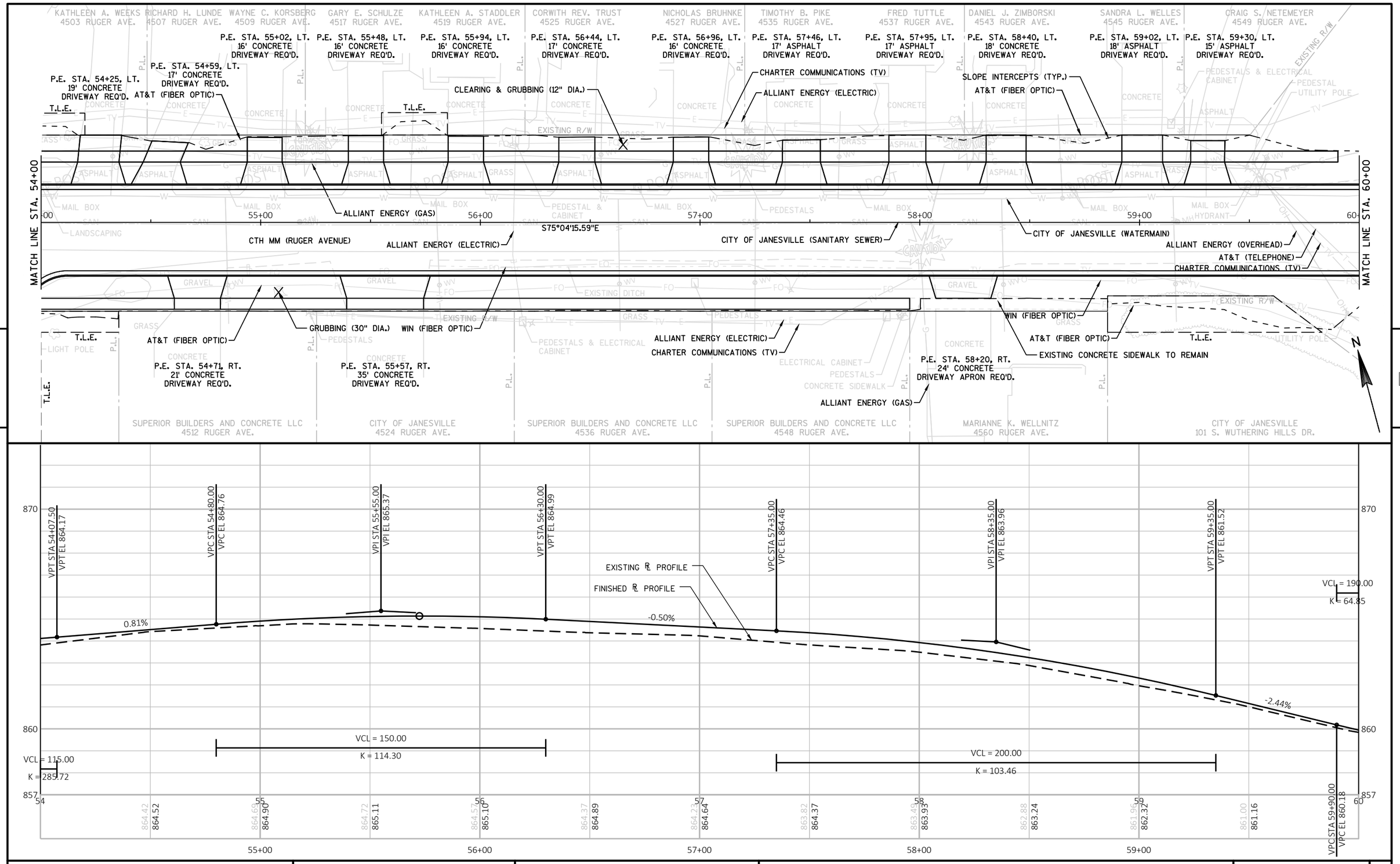
PLOT DATE : 10/30/2018 8:45 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108
PLOT DATE : 10/30/2018 8:45 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

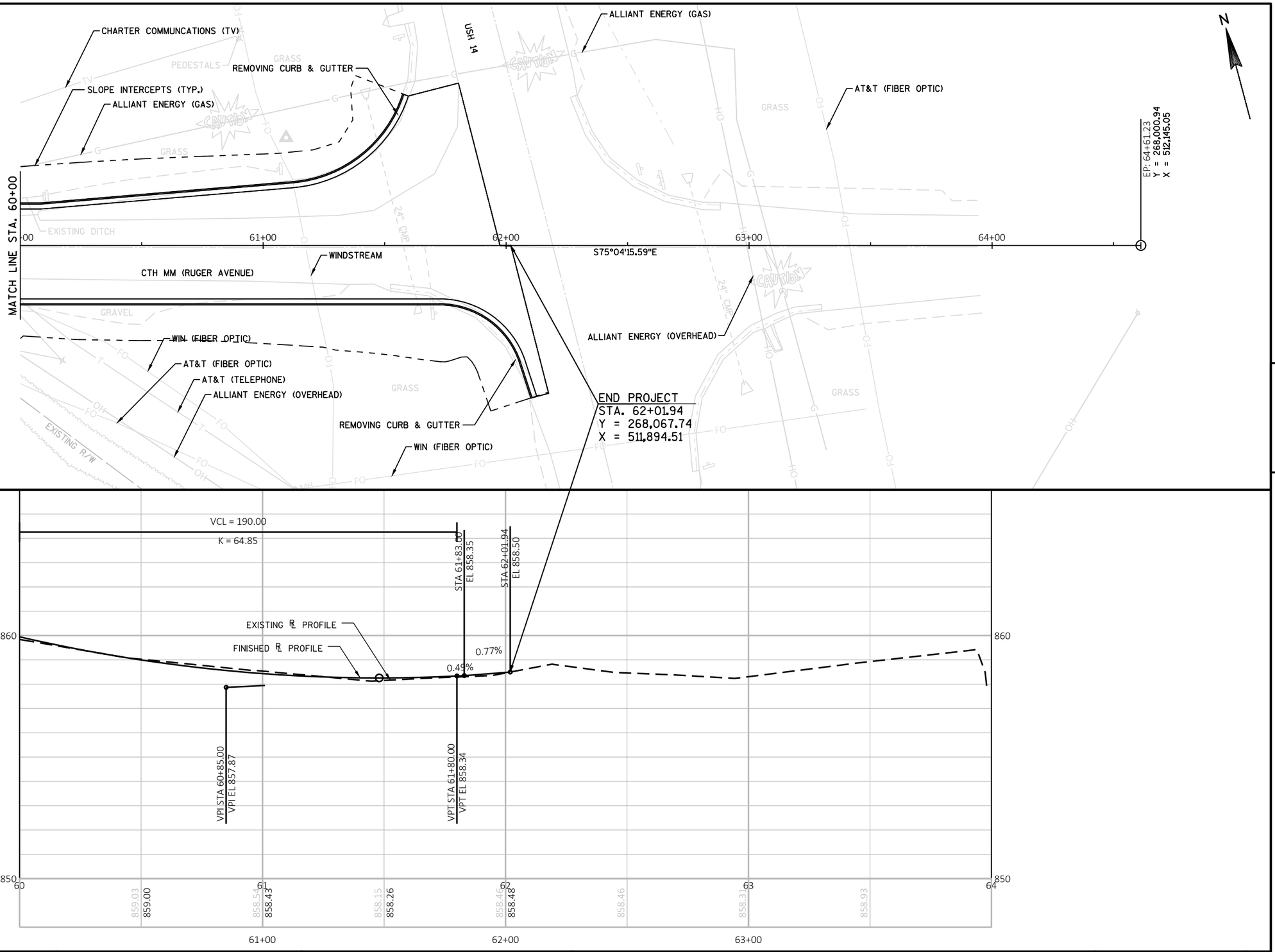


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 159 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050109

PLOT DATE : 10/30/2018 8:45 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT

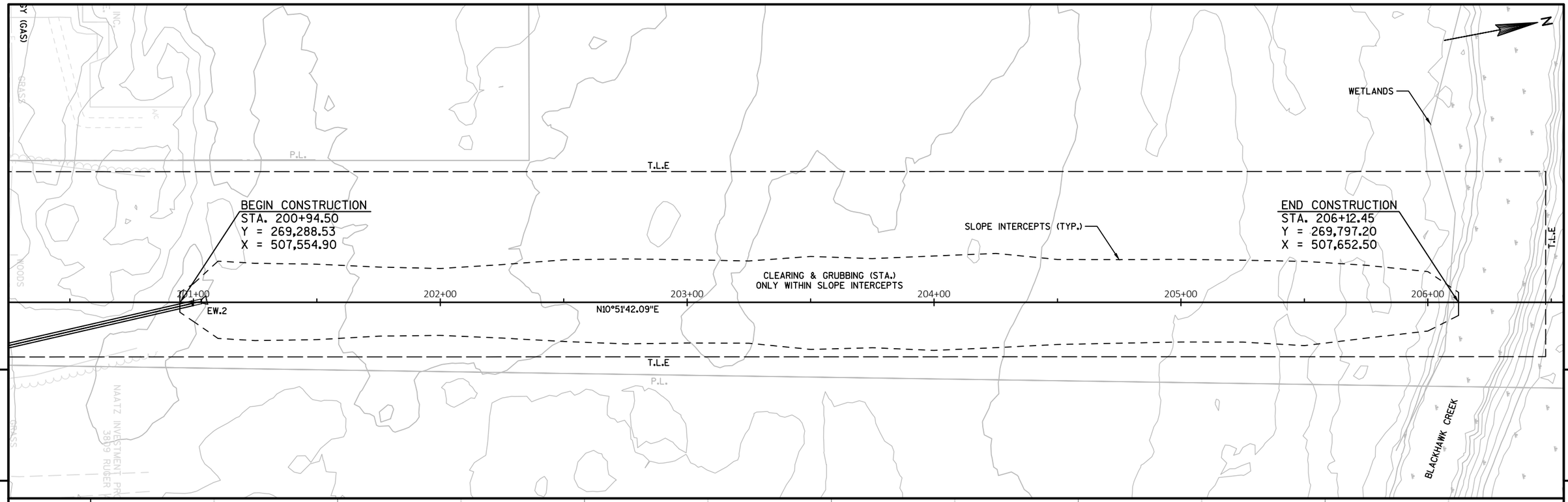
WISDOT/CADDS SHEET 44

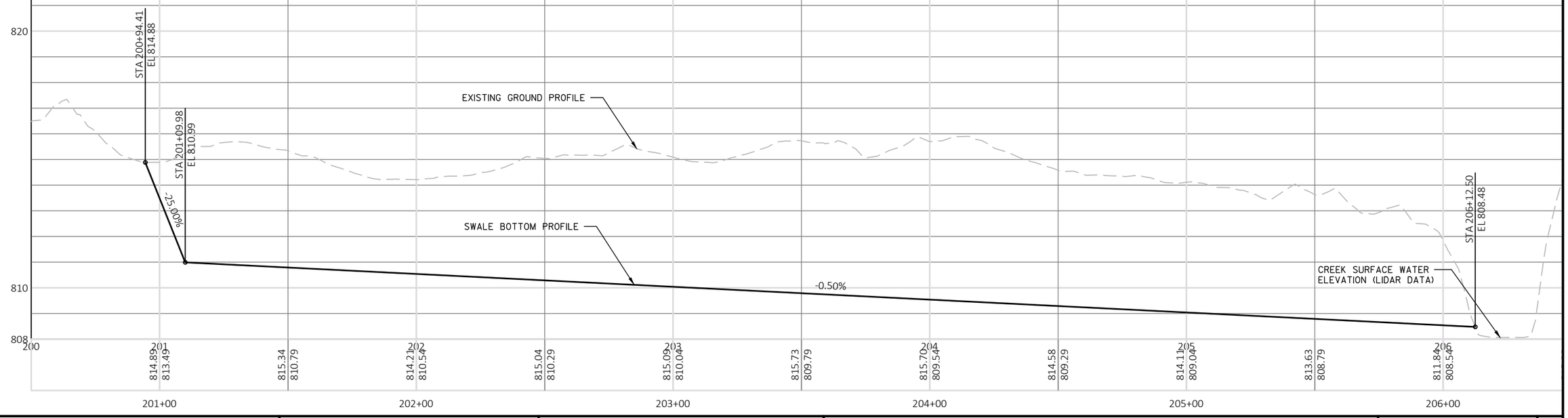


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 160	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 0501010

PLOT DATE : 10/30/2018 8:45 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:40 FT



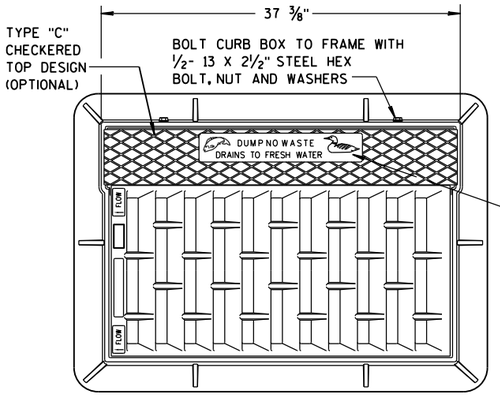


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	PLAN AND PROFILE: DRAINAGE SWALE	SHEET 161	E

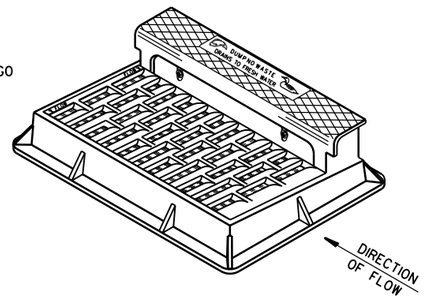
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-02	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
12A03-10	NAME PLATE (STRUCTURES)
14A02-01	TREE PLANTING DETAIL
15A01-13B	FLEXIBLE MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C29-06A	BICYCLE LANE MARKING
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

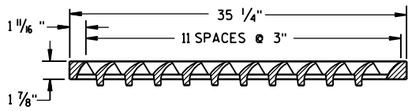
6

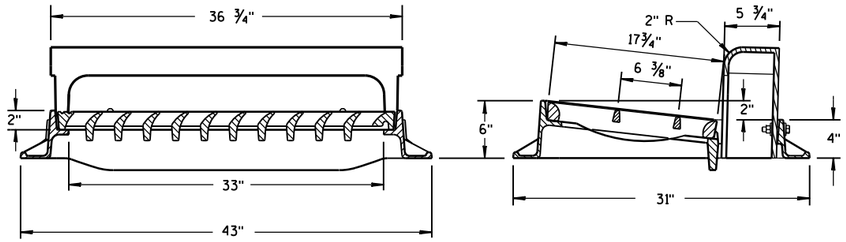


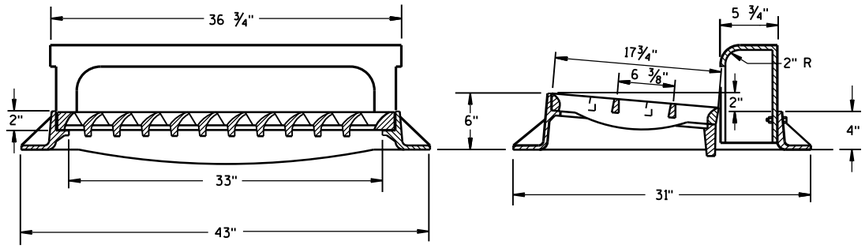
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

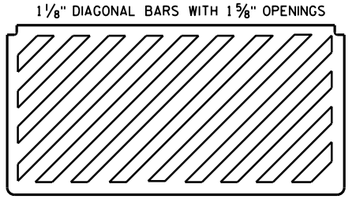






TYPE "H"

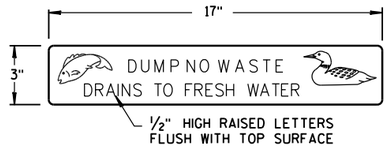
NOTE: EITHER CASTING IS ACCEPTABLE



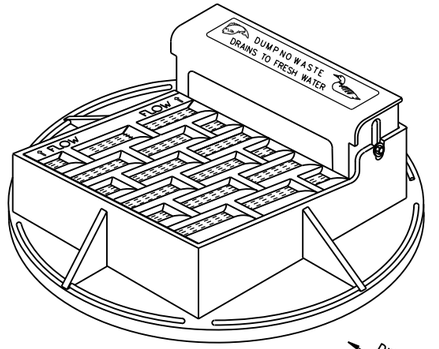
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

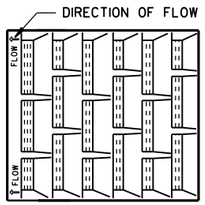
NOTE:
GRATE IS REVERSIBLE.

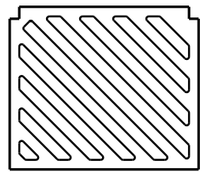
GENERAL NOTES

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.

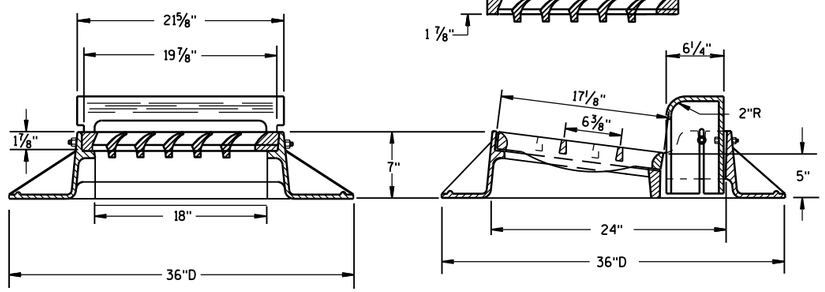




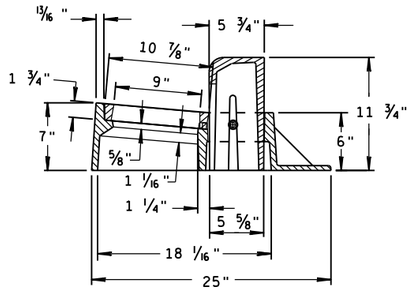
SPECIAL GRATE FOR TYPE "A" COVER

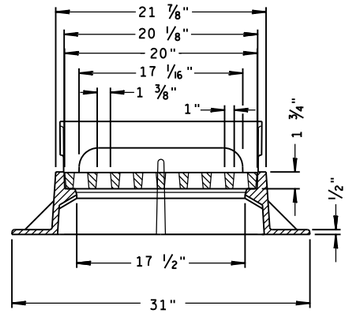
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

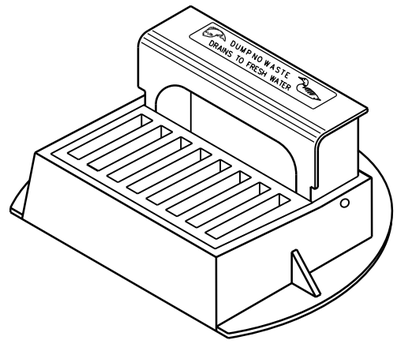


TYPE "A"





TYPE "Z"



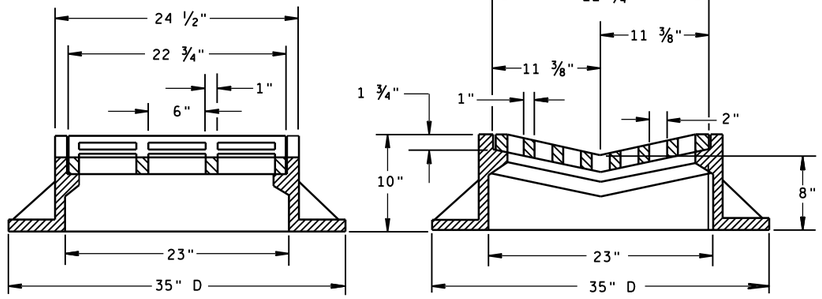
INLET COVERS
TYPE A, H, A-S, H-S & Z

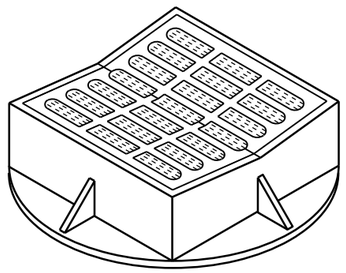
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

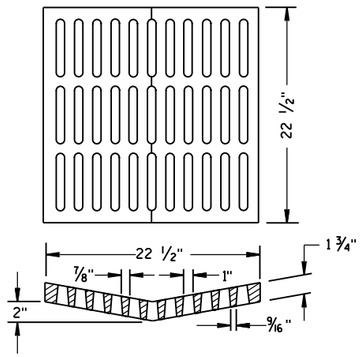
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S.D.D. 8 A 5-19a



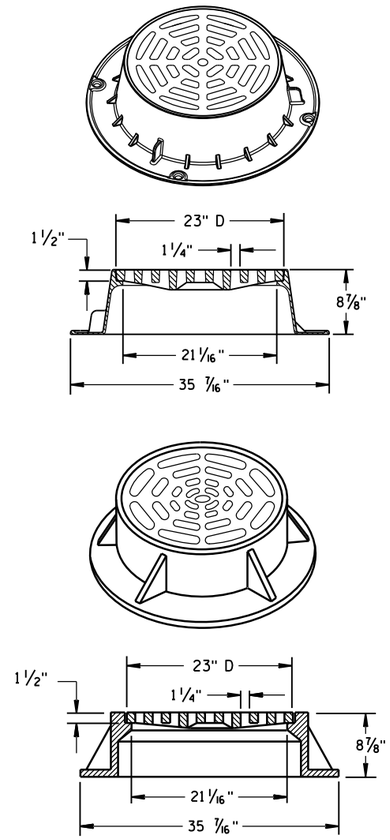


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

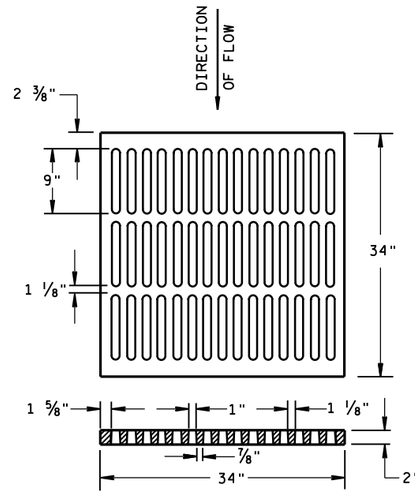
NOTE: EITHER CASTING IS ACCEPTABLE

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.

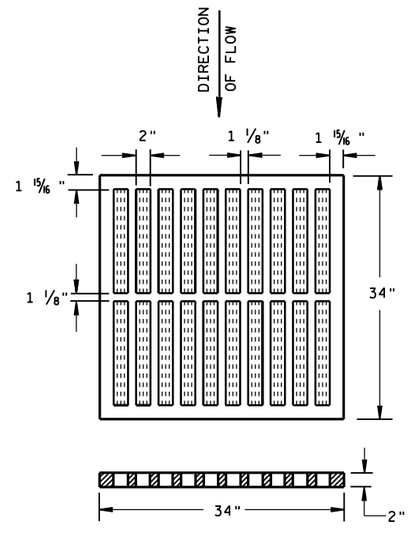
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



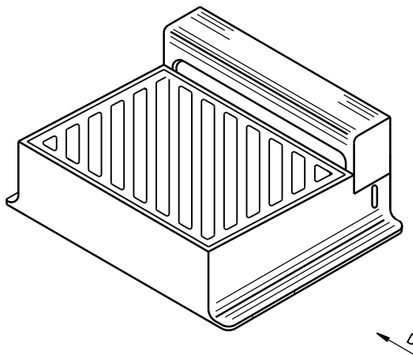
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

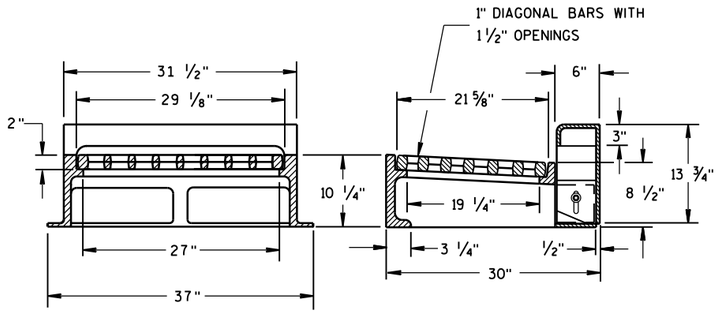


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

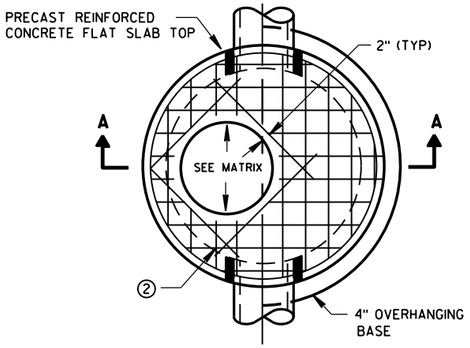
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

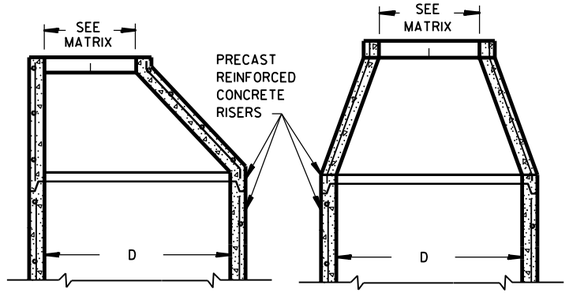
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

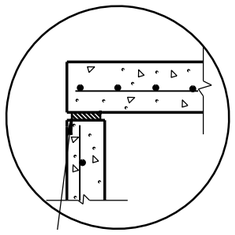


PLAN VIEW CIRCULAR OPENING

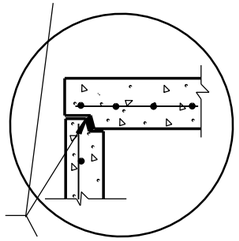


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

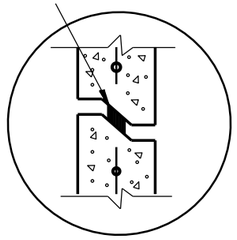


TOP WITH PLAIN END JOINT



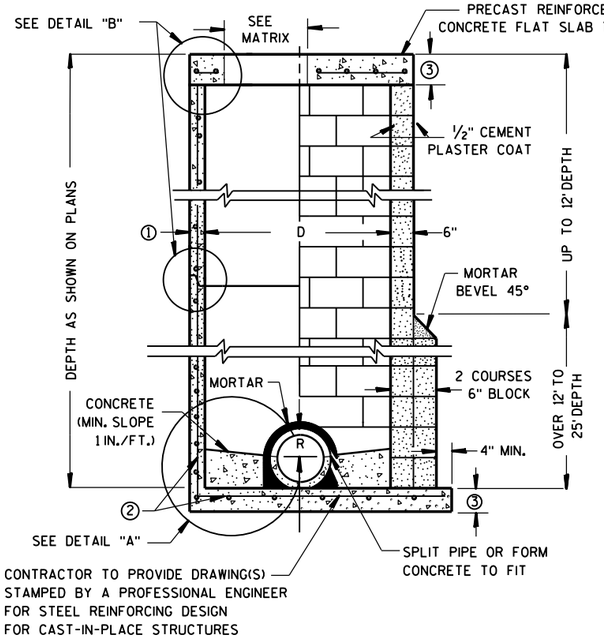
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



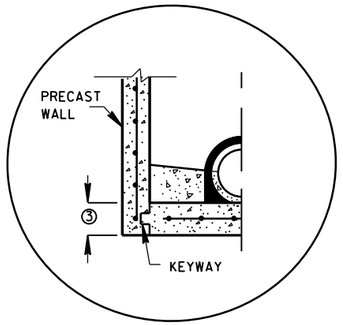
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

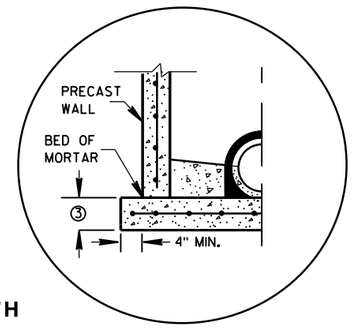


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

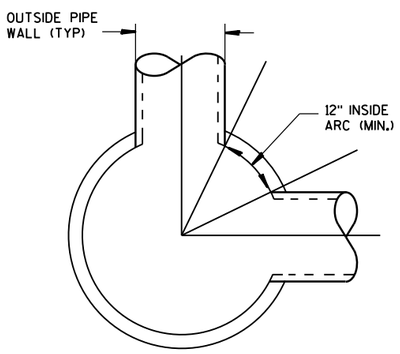


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE 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 FOUNDATION 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.

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 SEPARATE 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

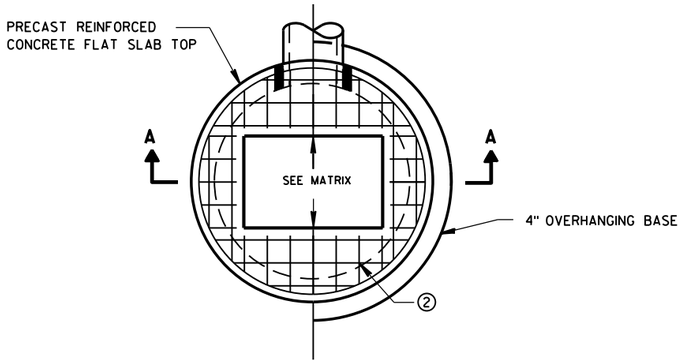
APPROVED

Sept., 2016
DATE

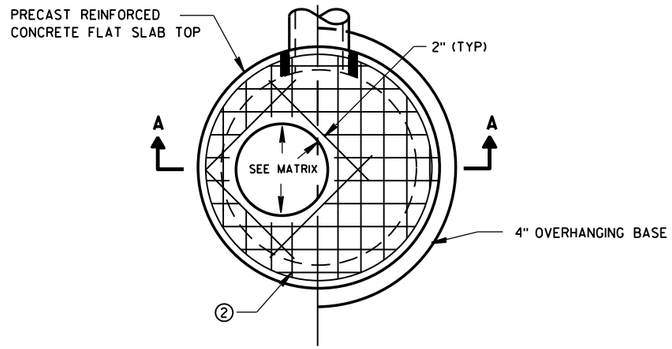
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

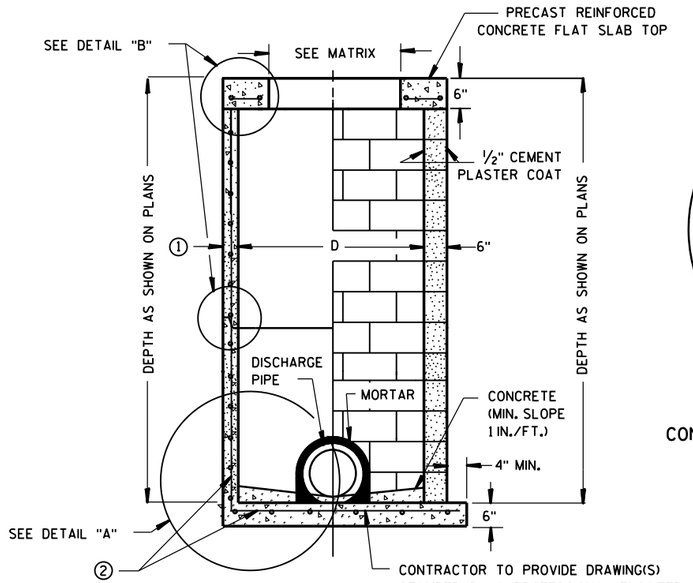
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

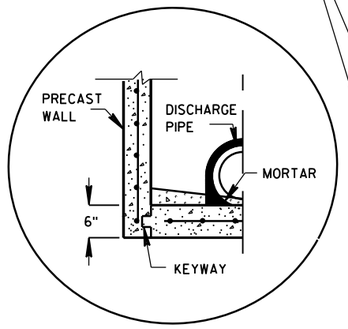


SECTION A-A

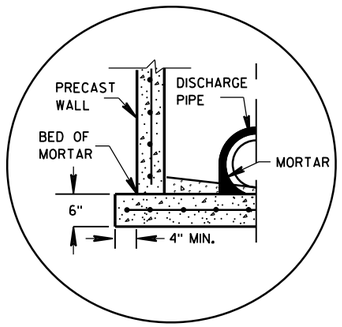
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

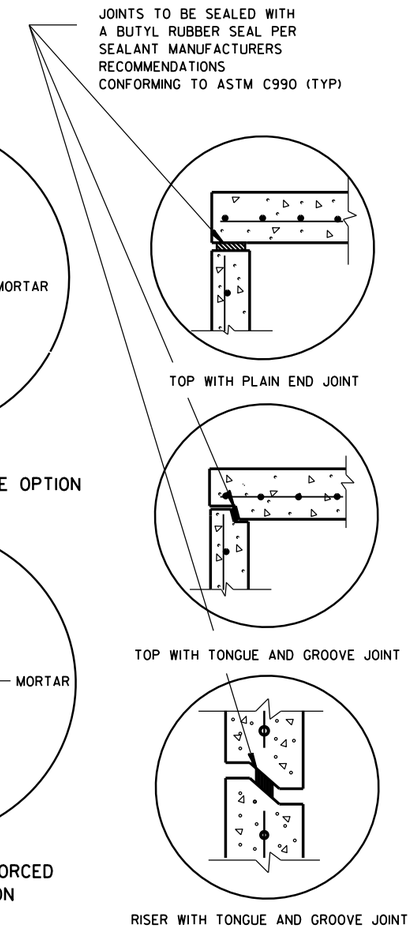


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

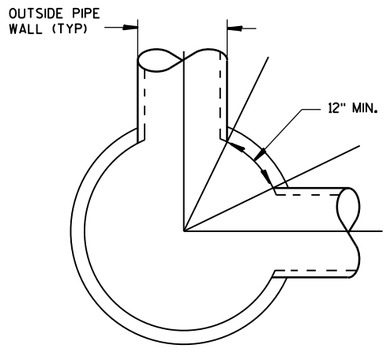
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

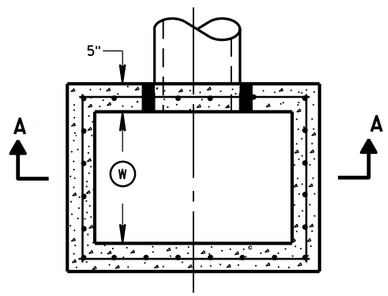
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

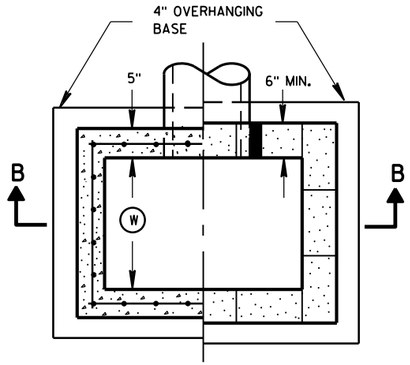
INLETS 3-FT AND 4-FT DIAMETER

6

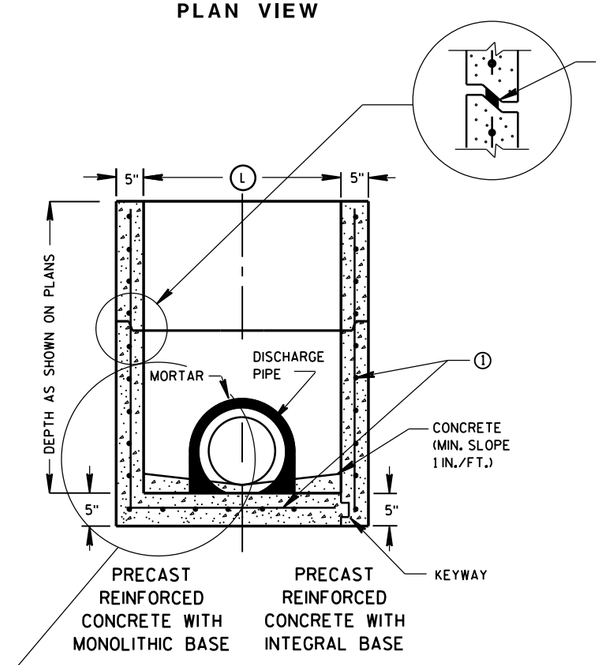
S.D.D. 8 C 6-2



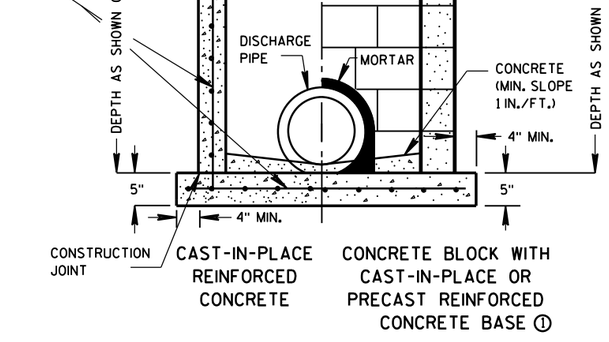
PLAN VIEW



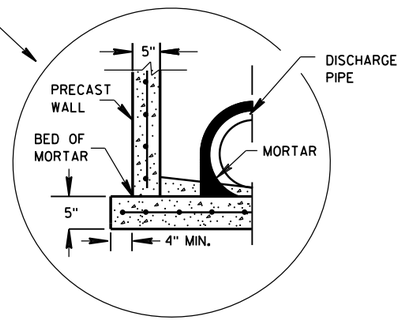
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE 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 FOUNDATION 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 SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

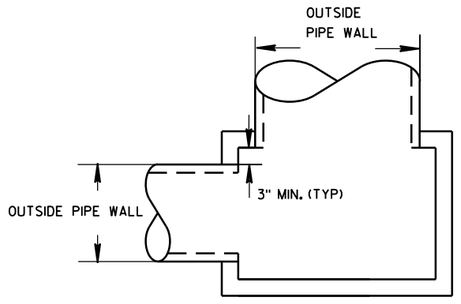
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



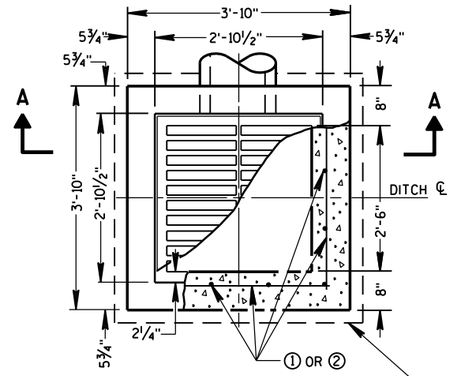
DETAIL "A"

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

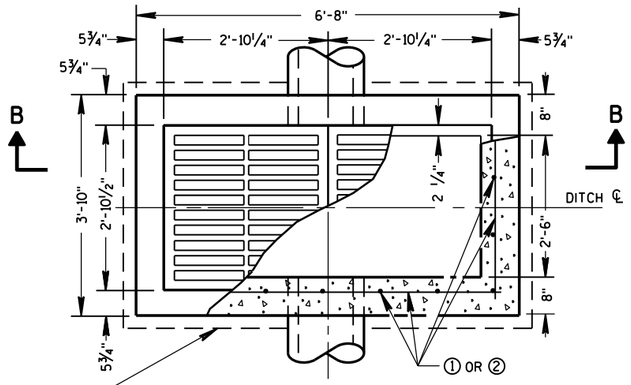
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

6
S.D.D. 8 C 7-2

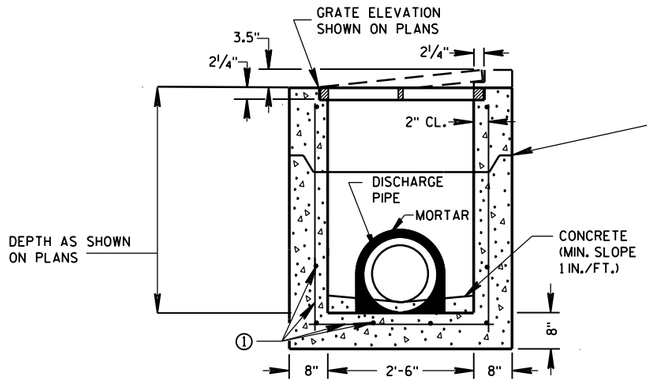


PLAN VIEW

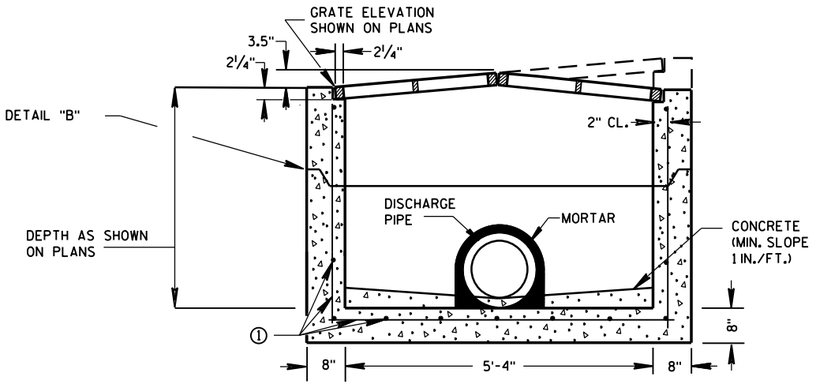


PLAN VIEW

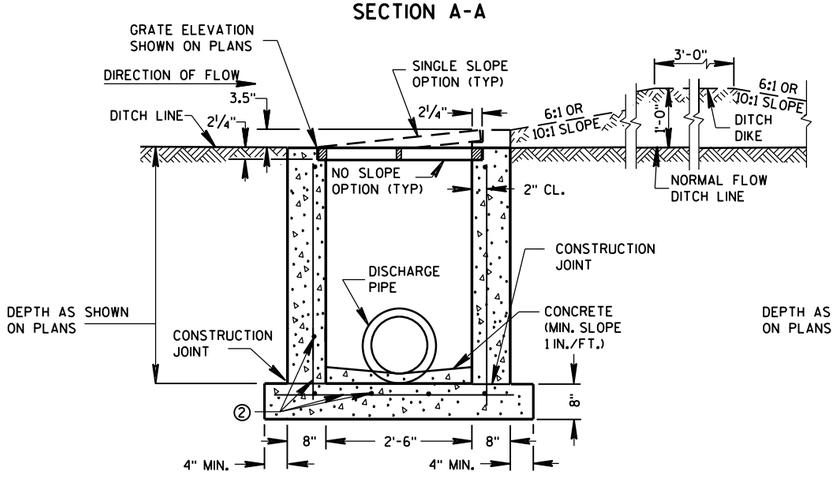
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



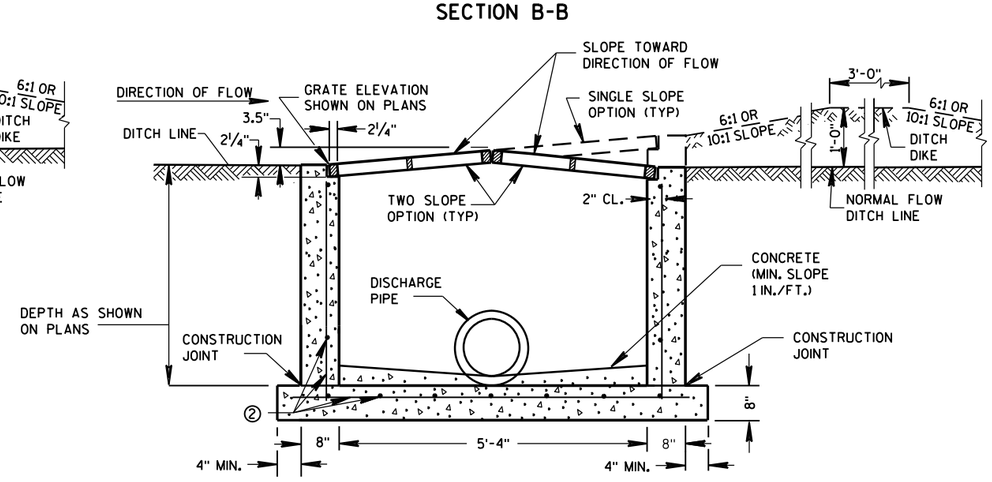
PRECAST REINFORCED CONCRETE SECTION A-A



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.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION 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.

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

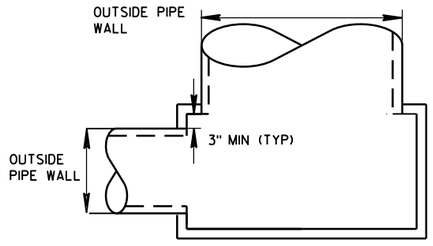
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

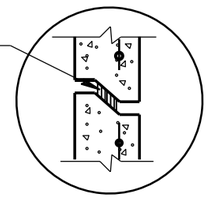
PIPE MATRIX

	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)



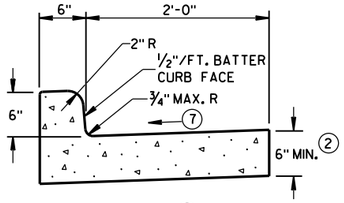
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

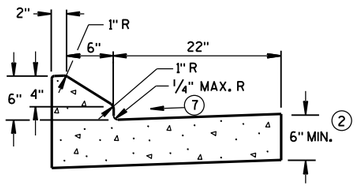
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

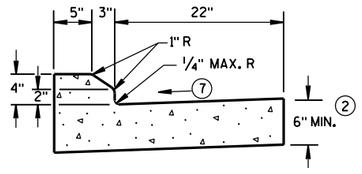
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S.D.D. 8 C 8-2



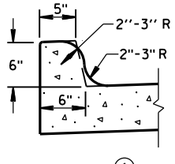
TYPES A (1) & D



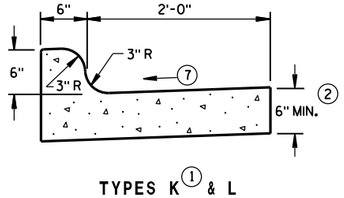
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

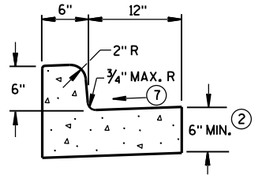


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



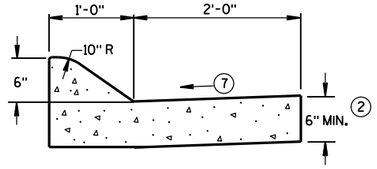
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

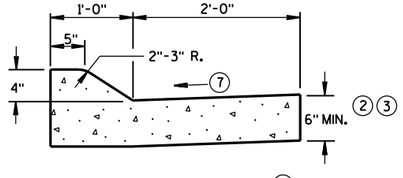


TYPES A (1) & D

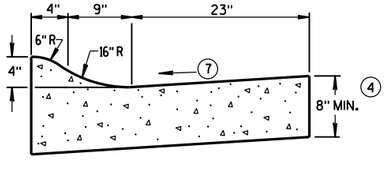
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

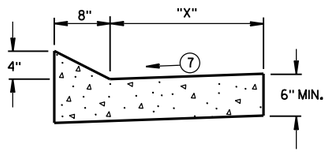


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

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.

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, R AND TBTT.

(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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

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

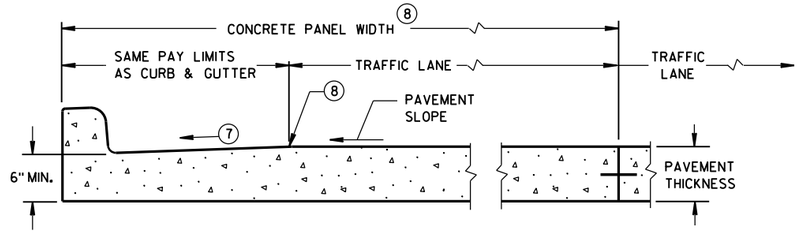
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

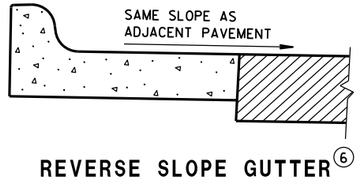
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

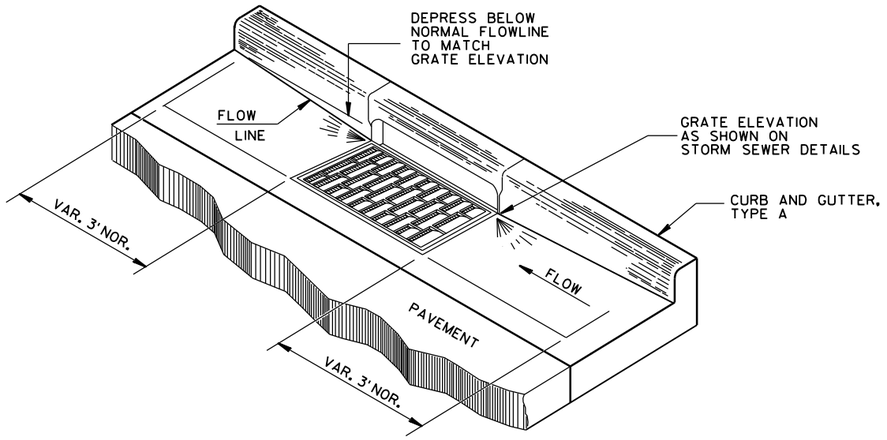
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

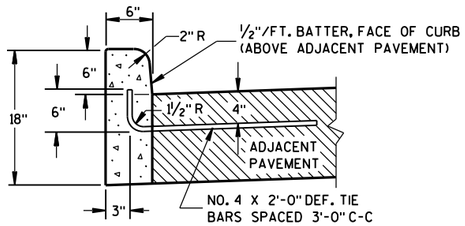
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

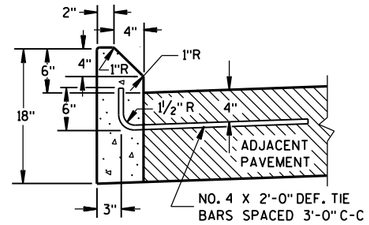
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

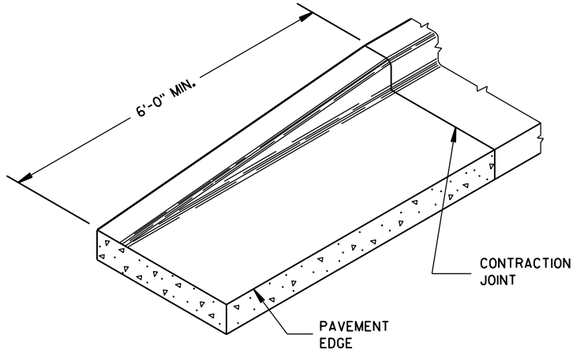


TYPES A(1) & D

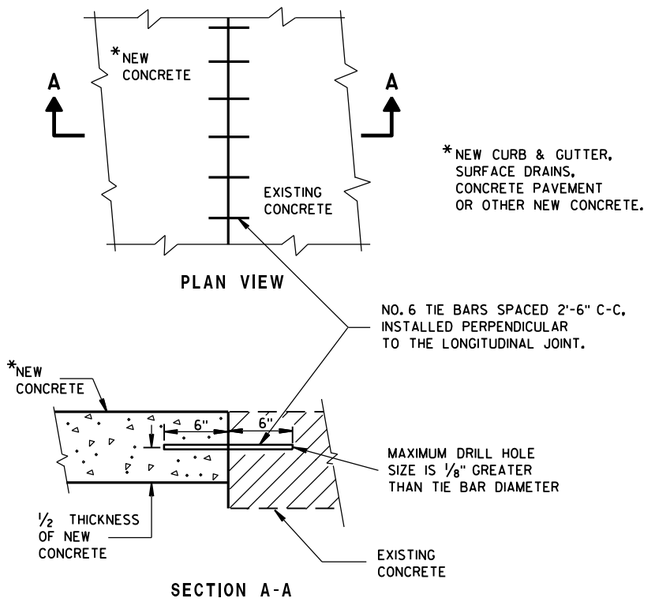


TYPES G(1) & J

CONCRETE CURB



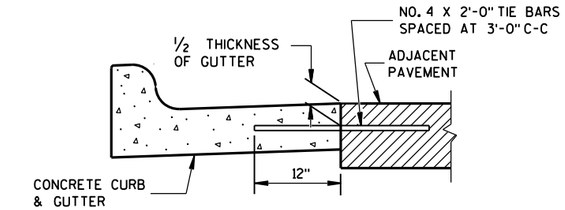
END SECTION CURB & GUTTER



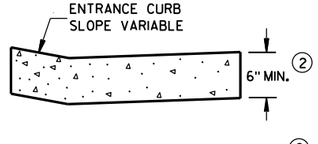
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

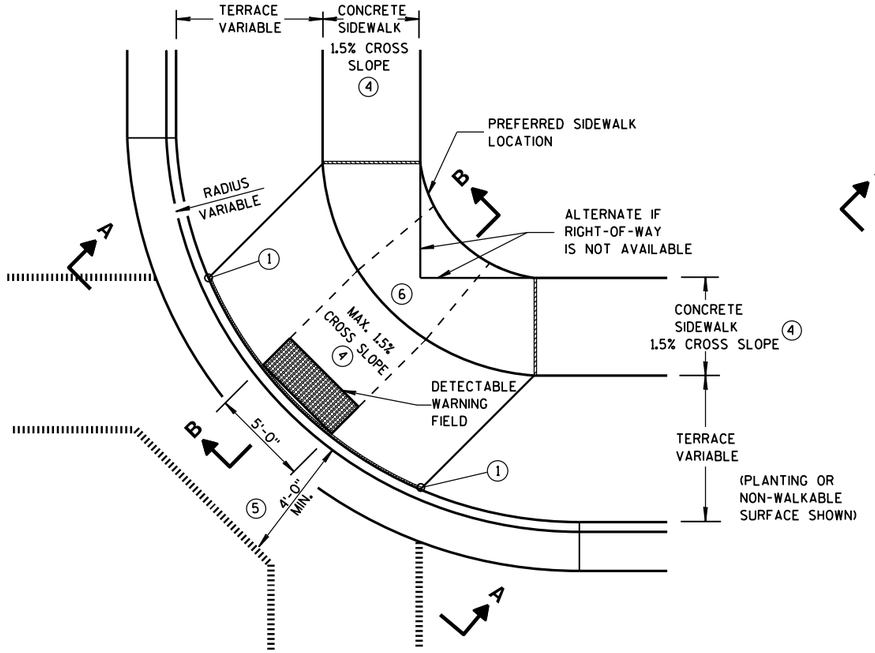
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 170 ENT
UNIT SUPERVISOR
FHWA

6

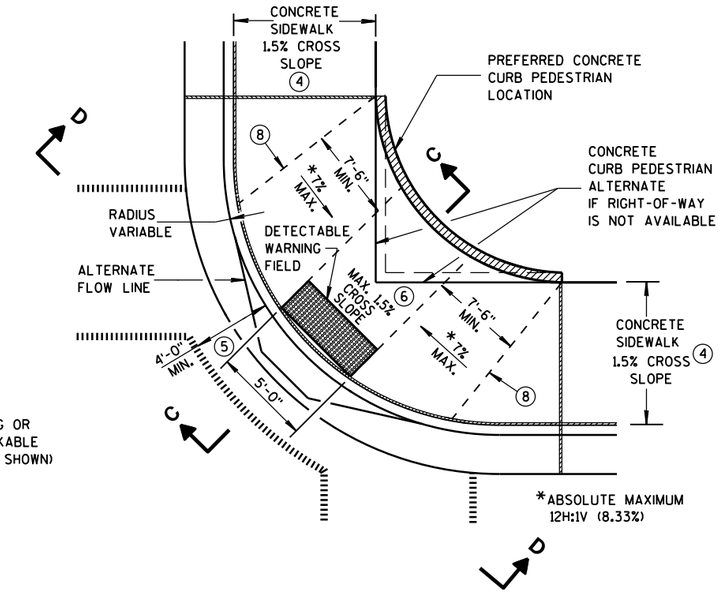
S.D.D. 8 D 1-20b



PLAN VIEW

TYPE 1 RAMP

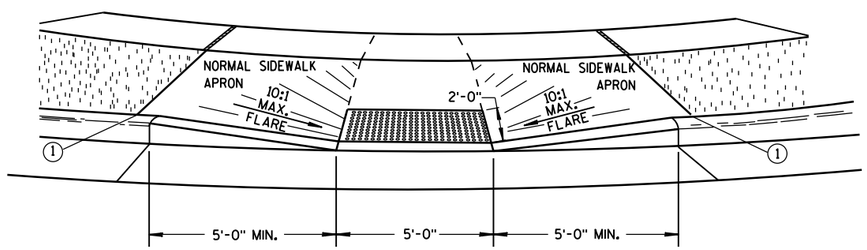
(CENTER OF CORNER RADIUS)



PLAN VIEW

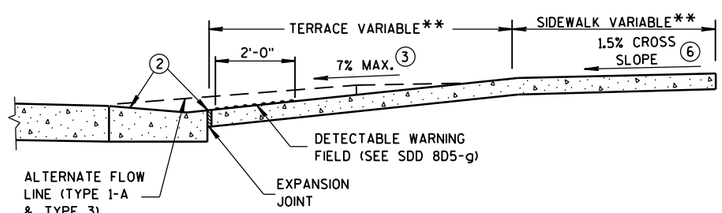
TYPE 1-A RAMP

(NO TERRACE)

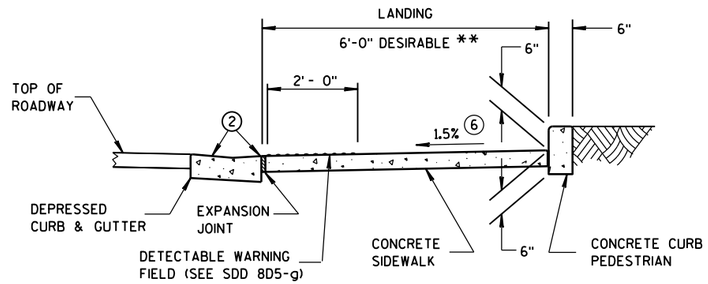


VIEW A-A

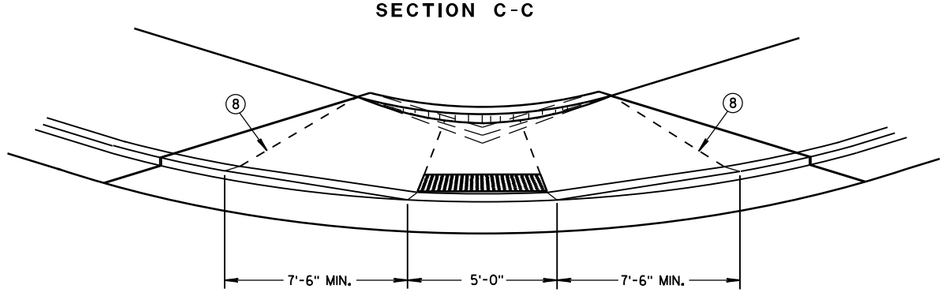
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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.

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".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

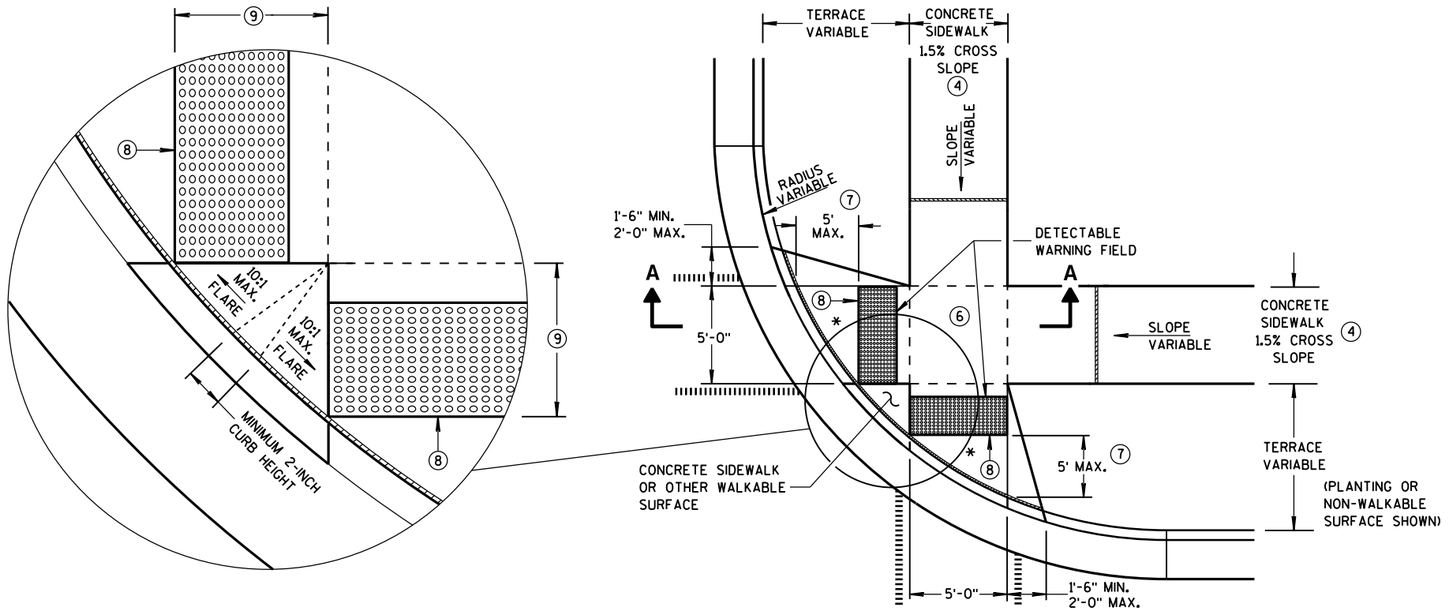
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-19a

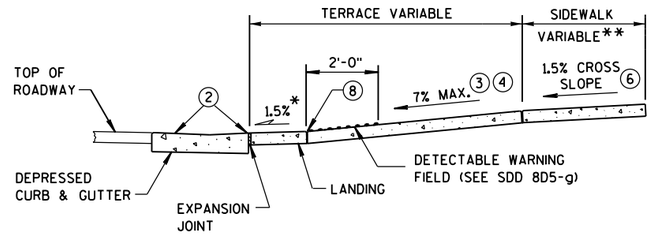


PLAN VIEW

TYPE 2 RAMP

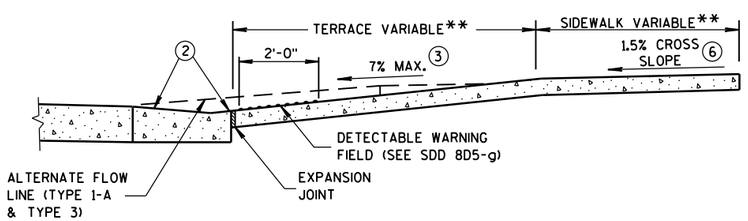
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

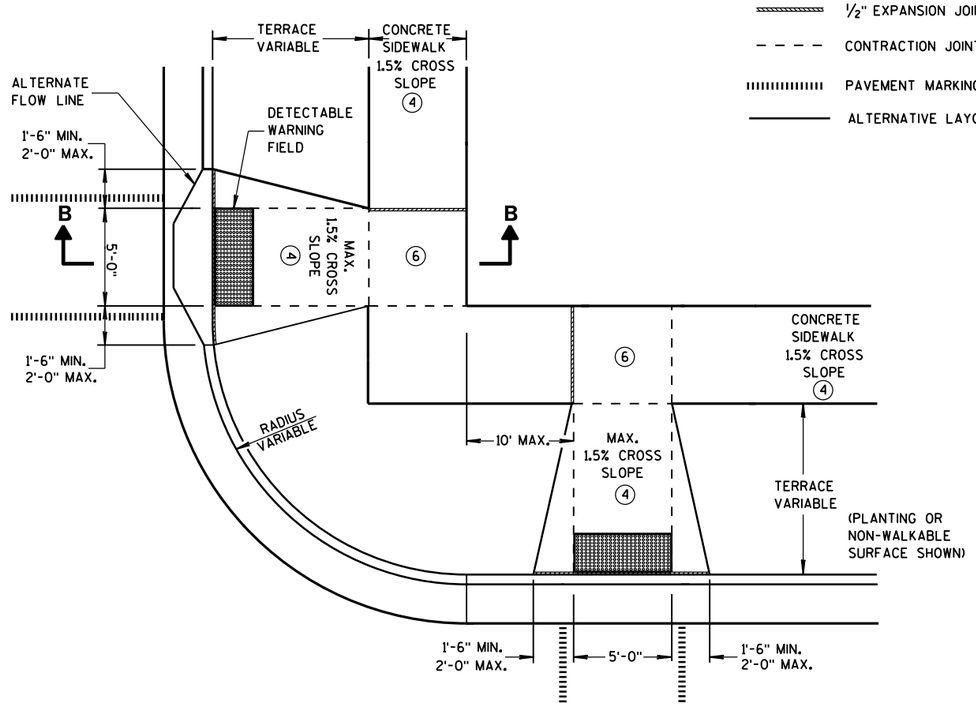
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

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



PLAN VIEW

TYPE 3 RAMP

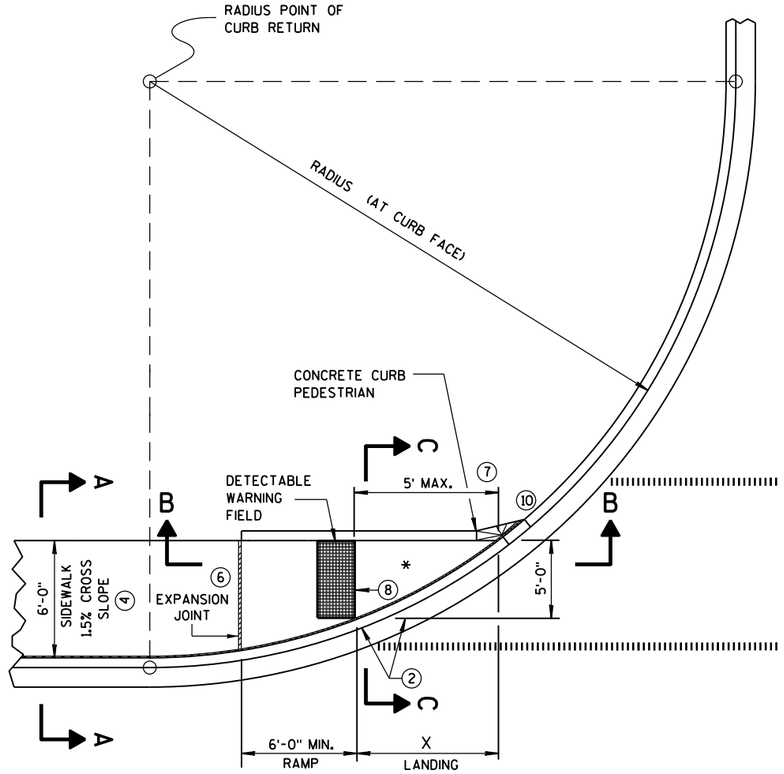
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

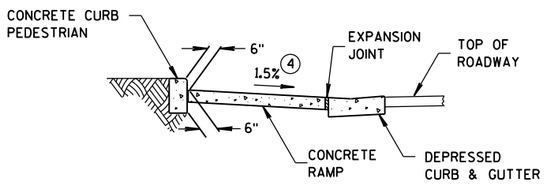
S.D.D. 8 D 5-19b



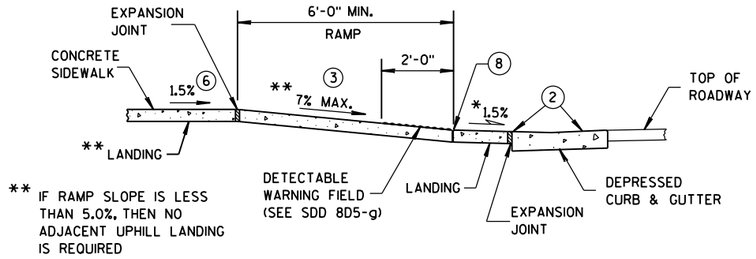
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



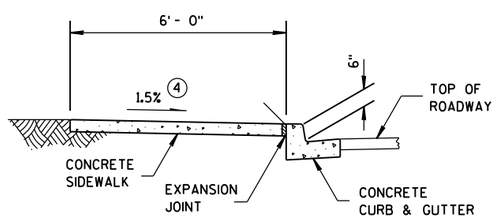
SECTION C-C FOR TYPE 4A



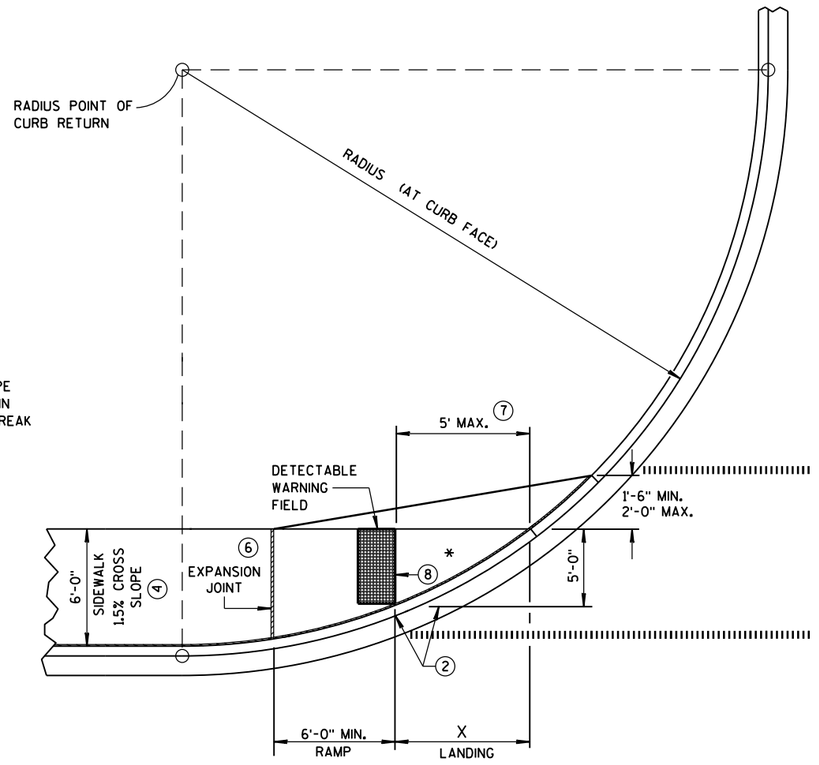
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

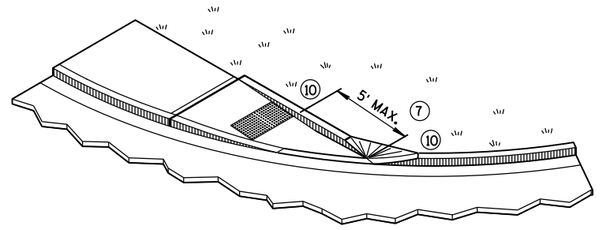
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

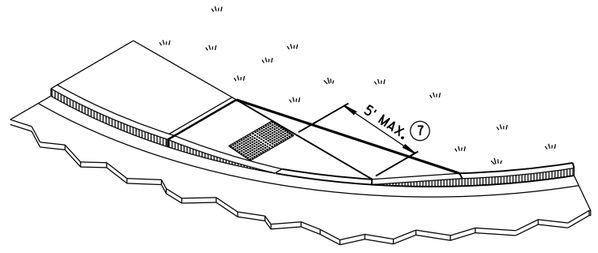
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

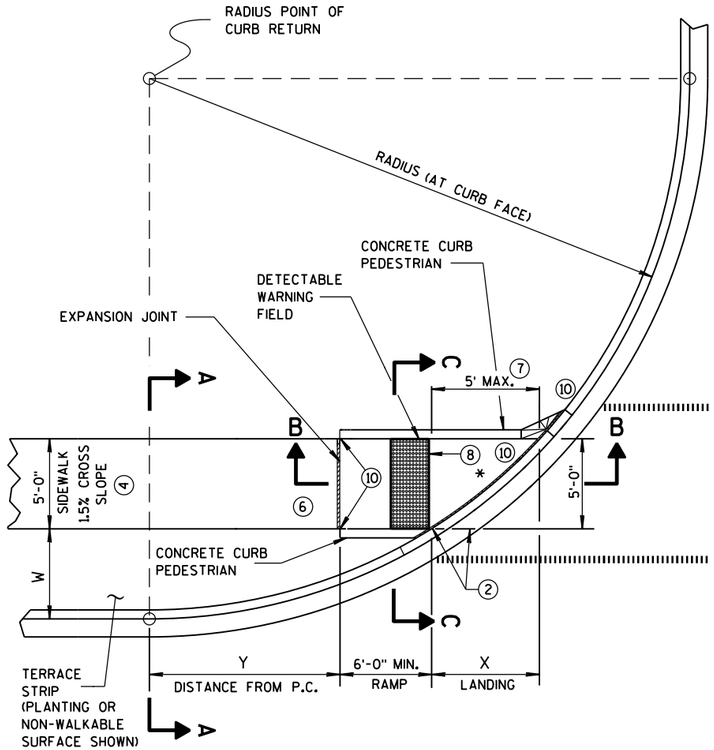
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

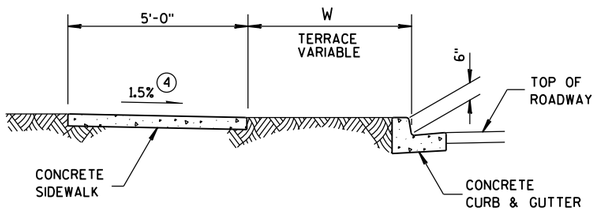
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

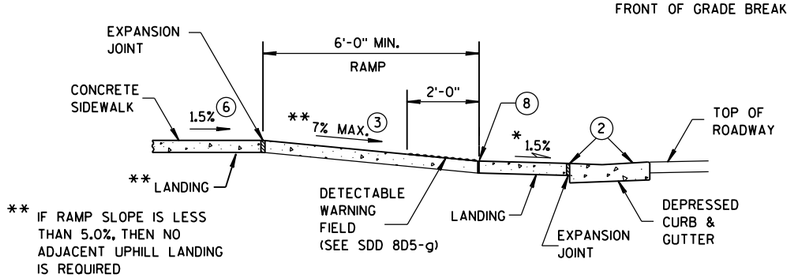
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



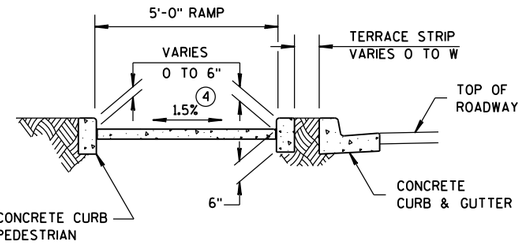
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C-C FOR TYPE 4B

GENERAL NOTES

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

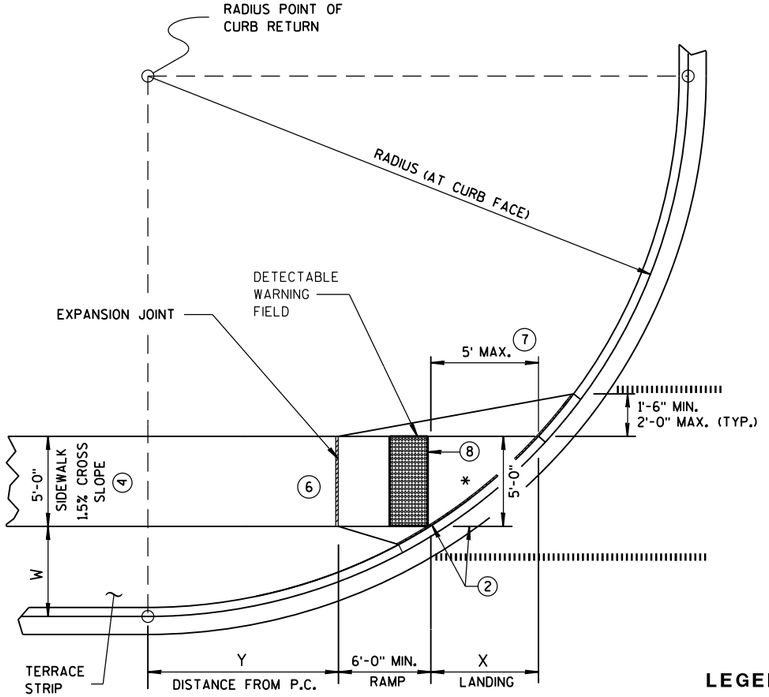
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

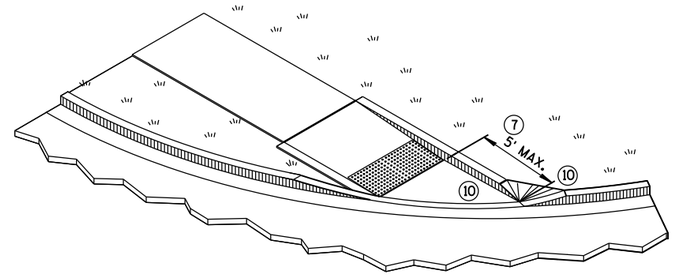
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

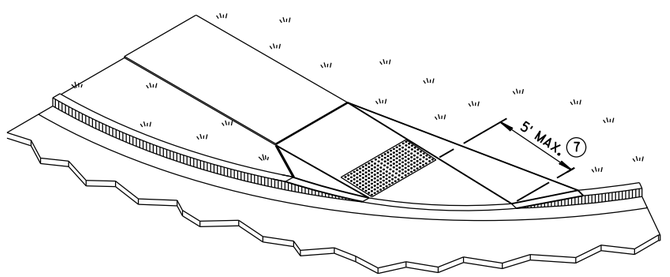
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

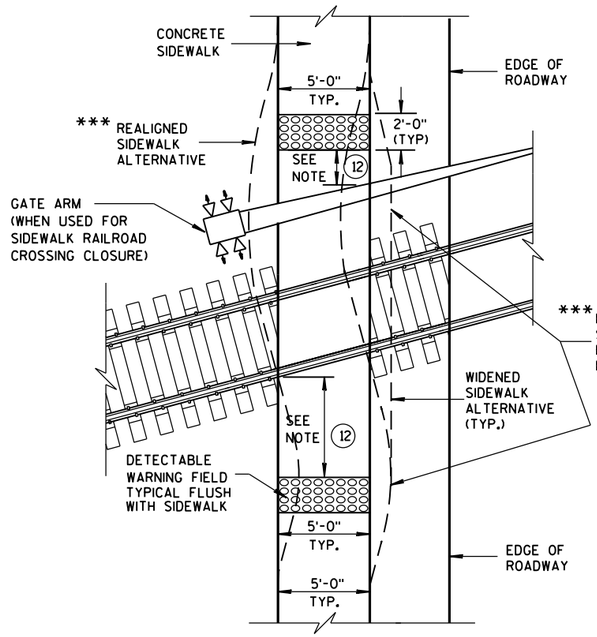
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

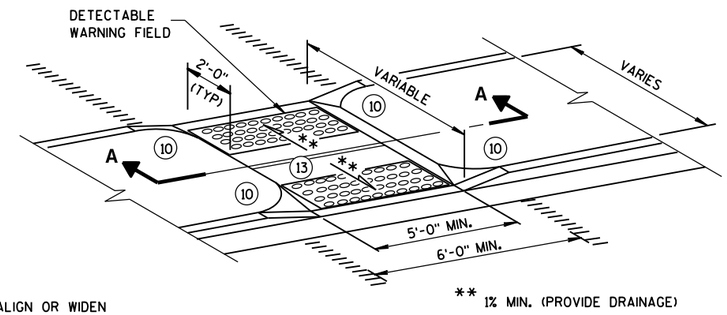
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S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

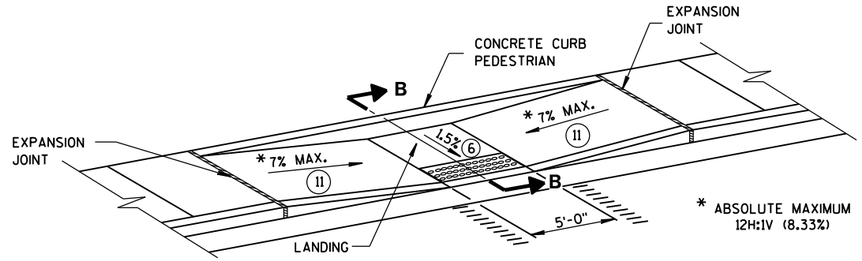
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

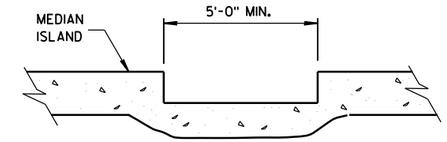
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) 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.

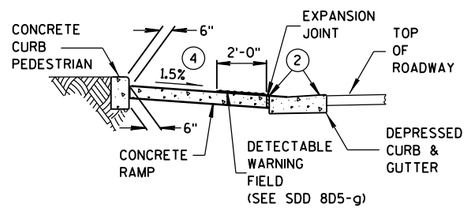
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

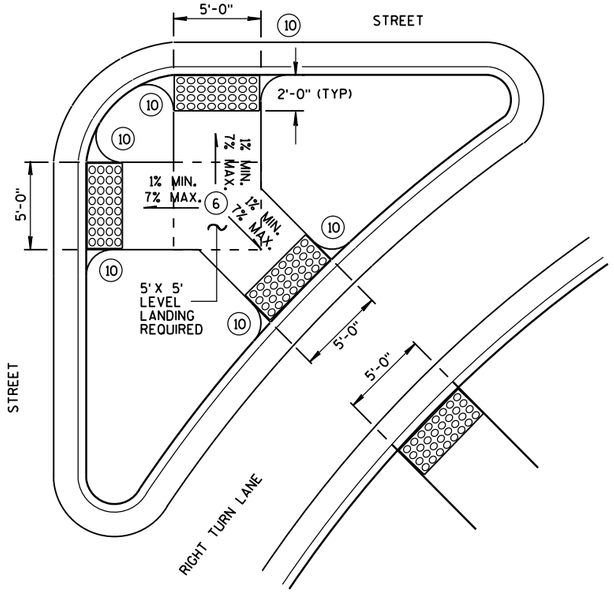


SECTION A-A

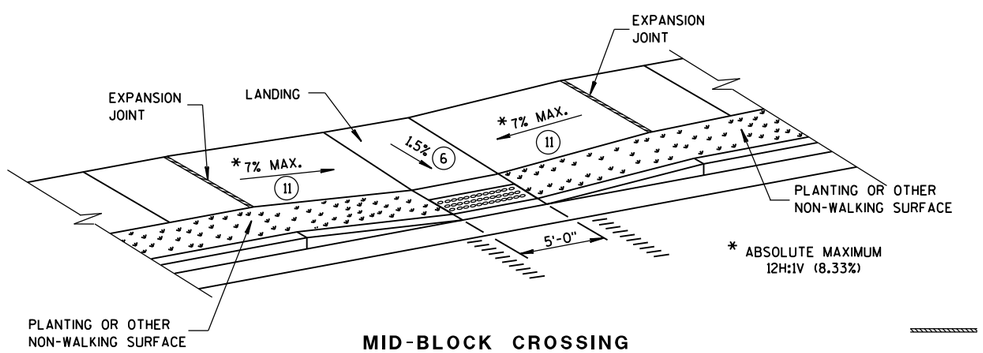


SECTION B-B

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



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.

LEGEND

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

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

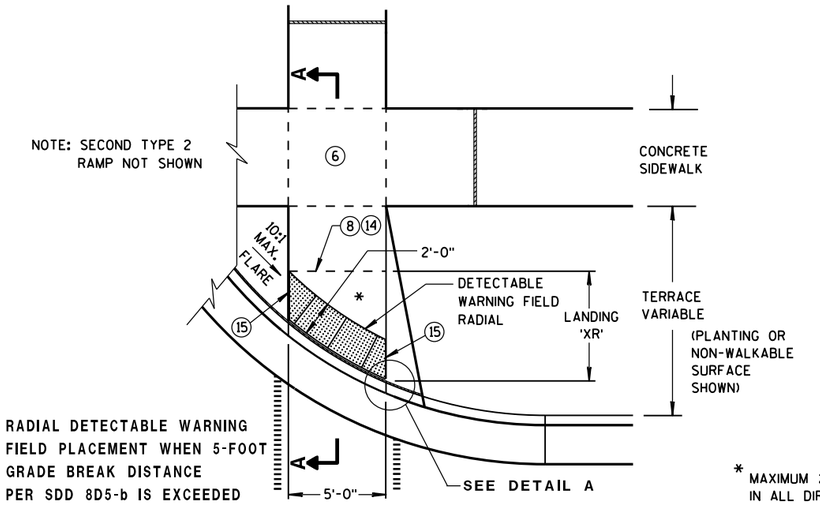
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

6

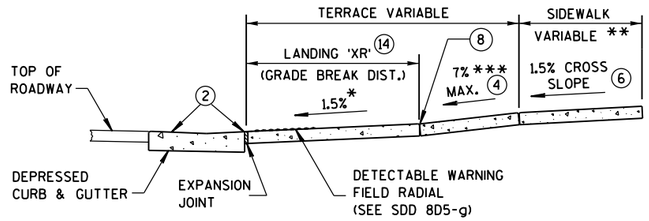
S.D.D. 8 D 5-19e



TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

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

GENERAL NOTES

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

DETECTABLE WARNING FIELDS (DWFs) THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

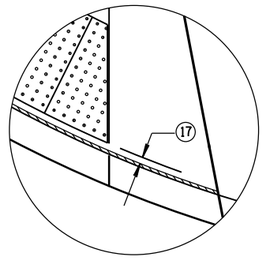
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

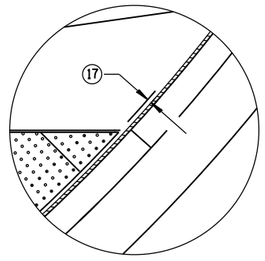
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

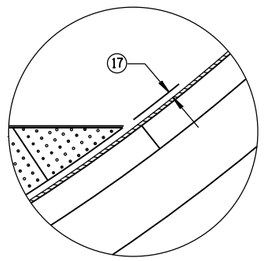
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



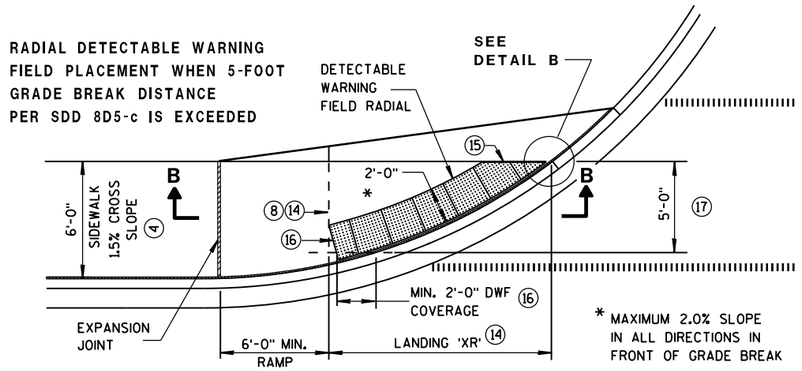
DETAIL A



DETAIL C

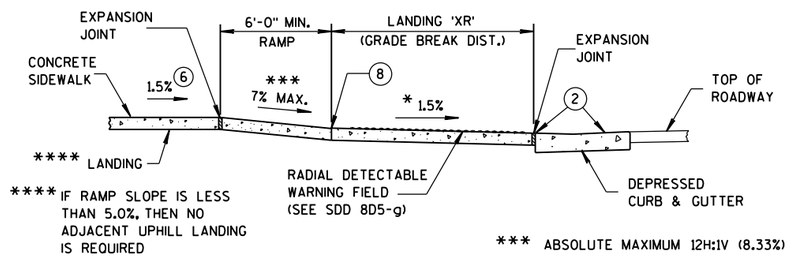


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

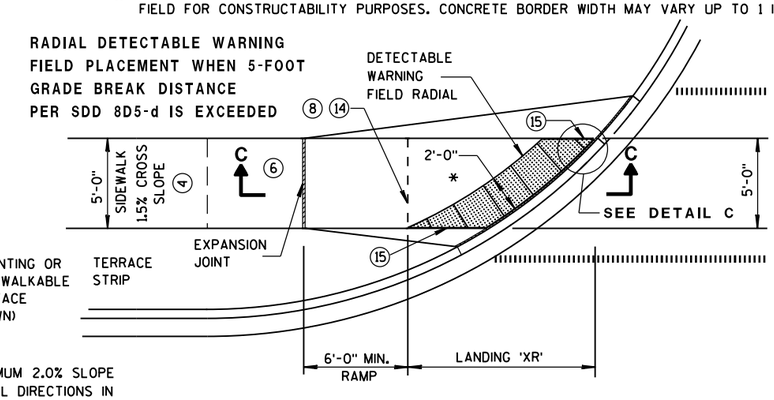
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

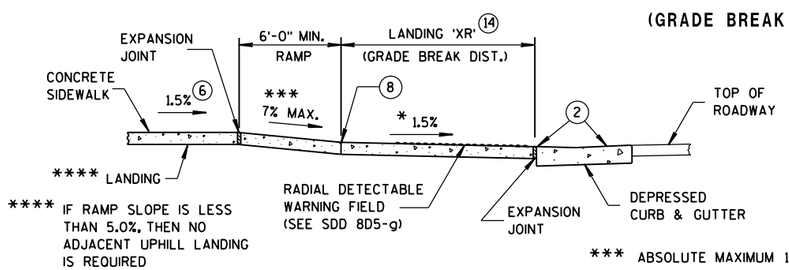
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

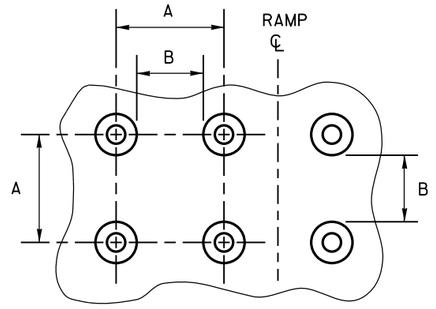
S.D.D. 8 D 5-19f

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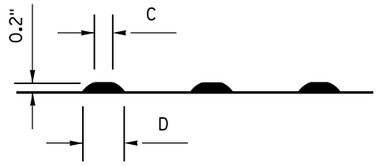
S.D.D. 8 D 5-19f

	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.



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

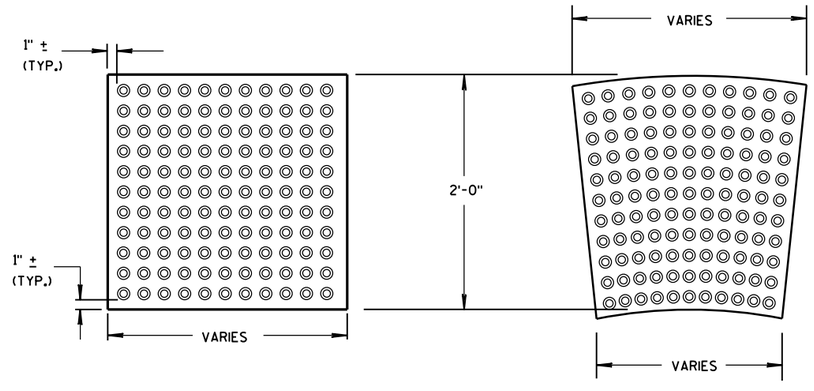
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

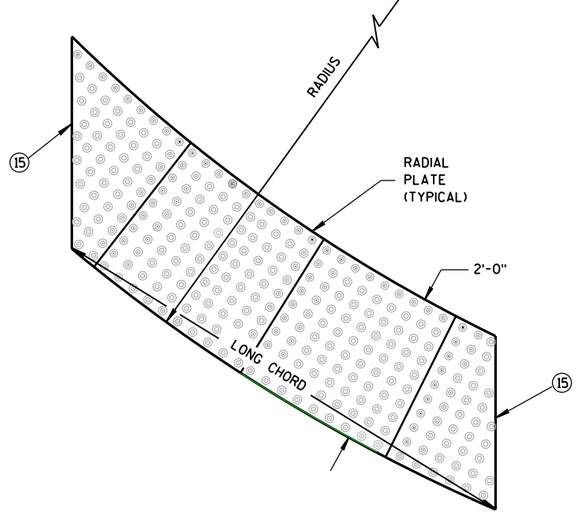


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
FHWA

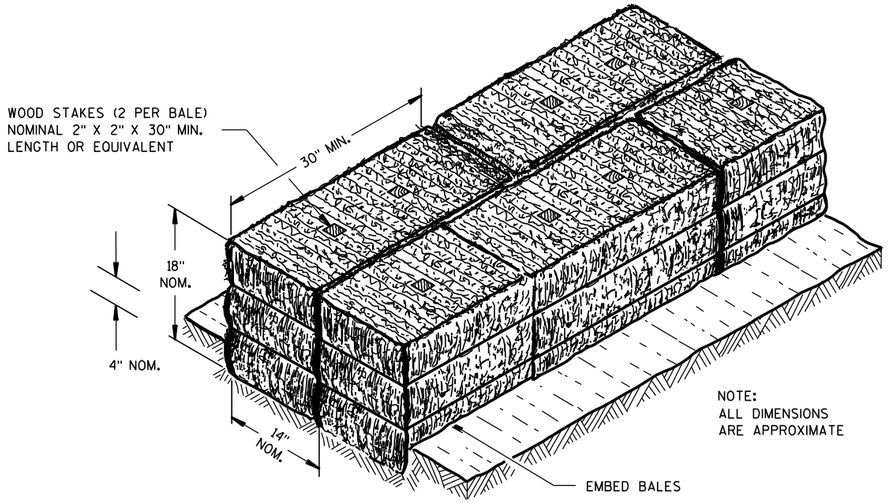
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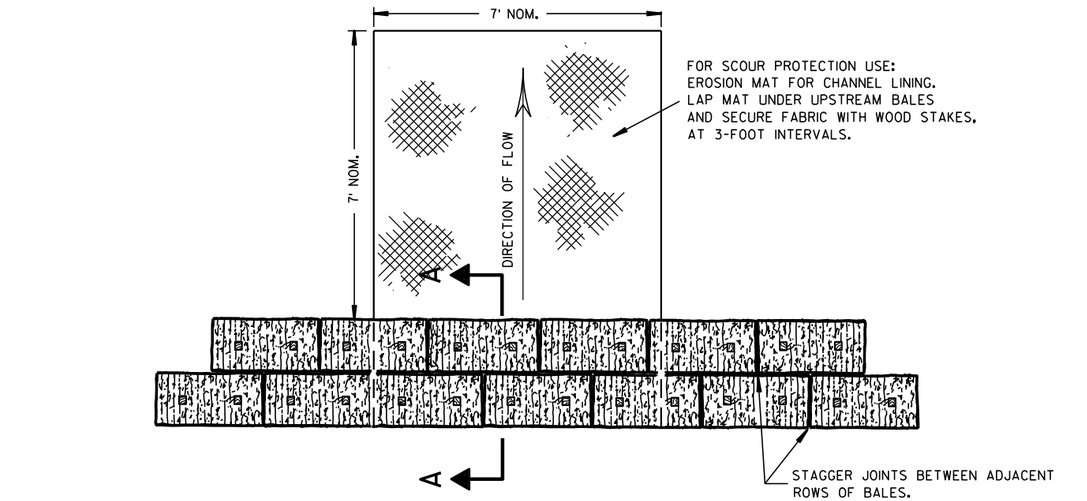
S.D.D. 8 D 5-19g

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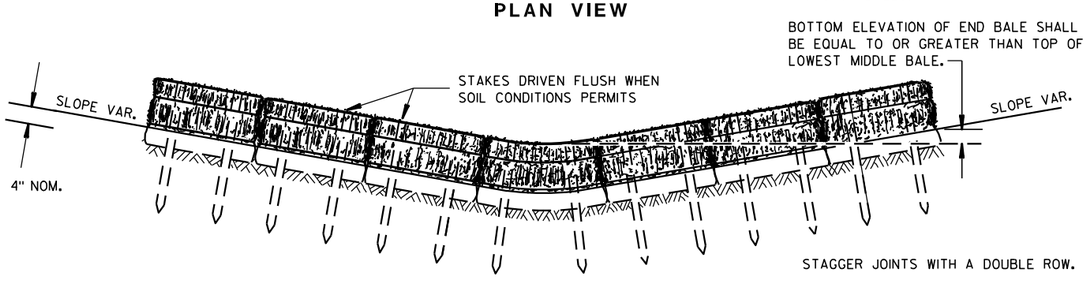
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SECTION A-A



PLAN VIEW



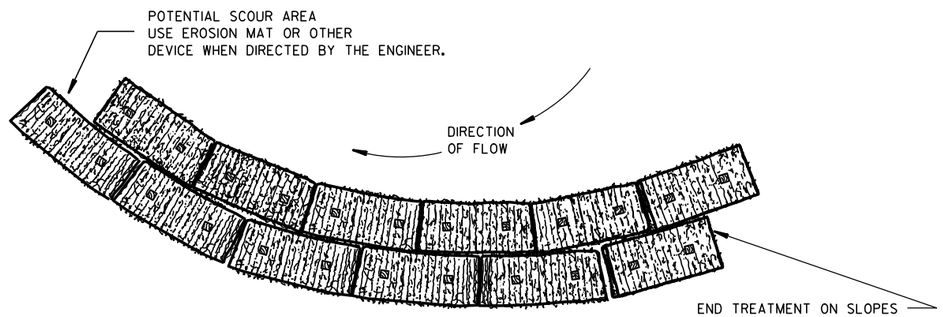
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

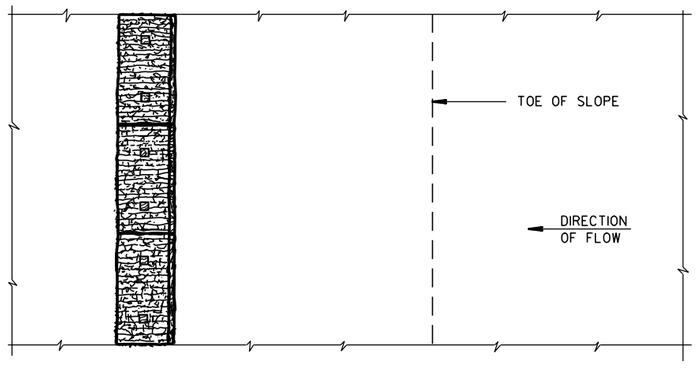
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

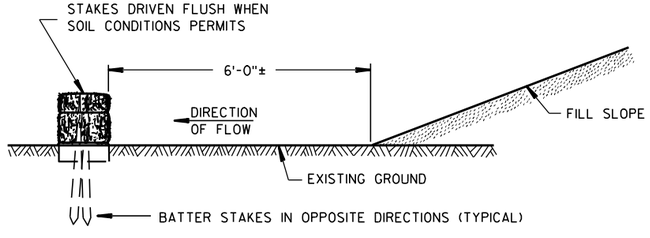


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

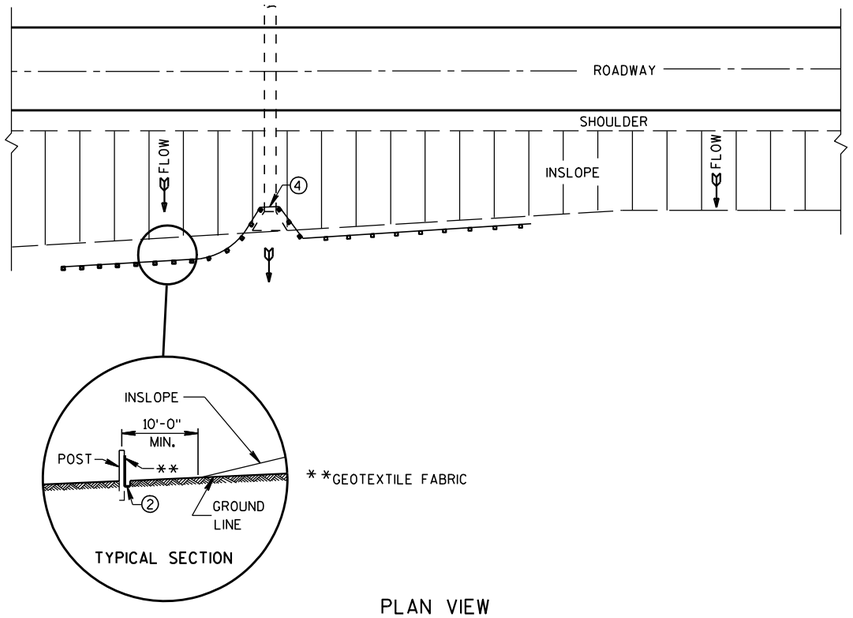
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3

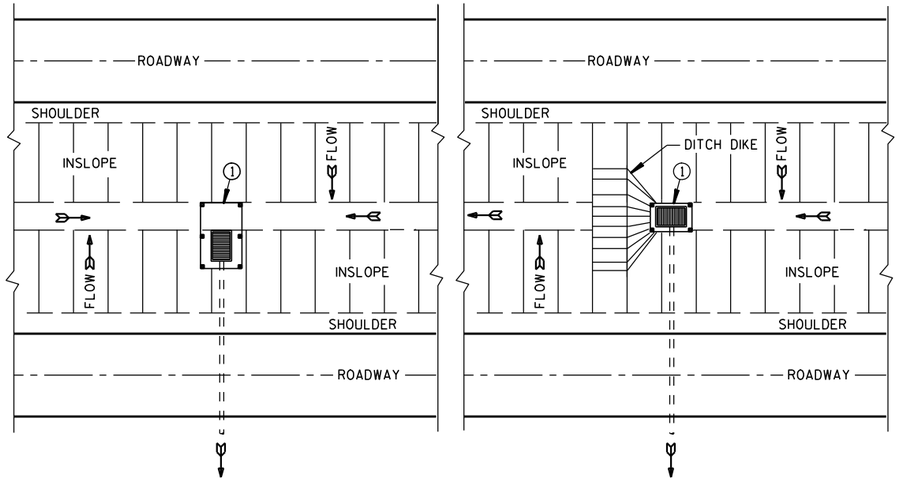
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S.D.D. 8 E 8-3



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.

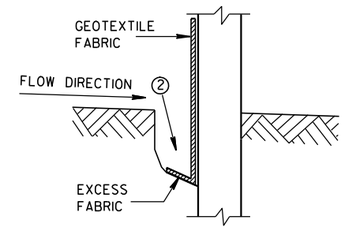
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

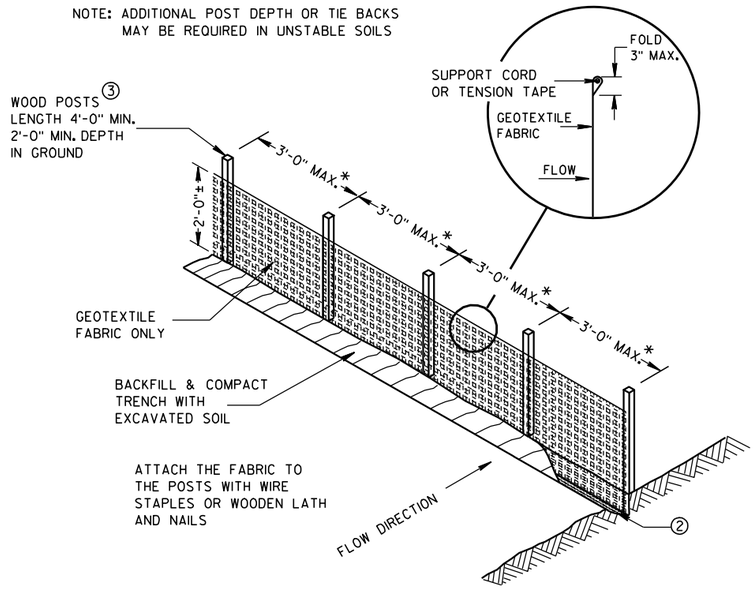
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

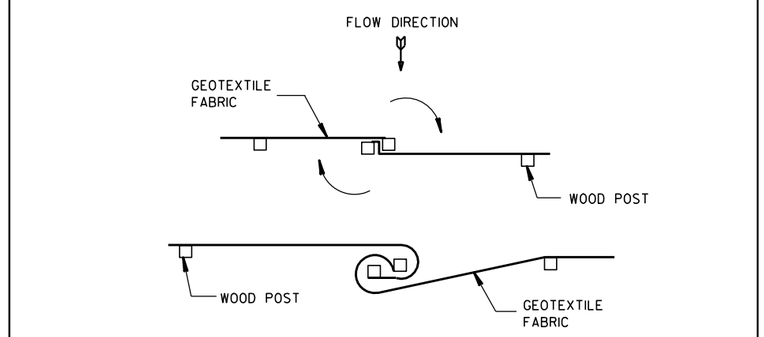


TRENCH DETAIL

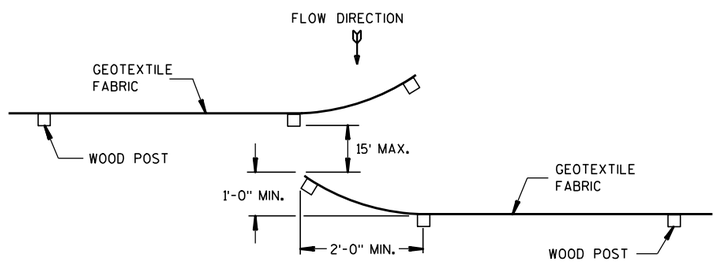


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

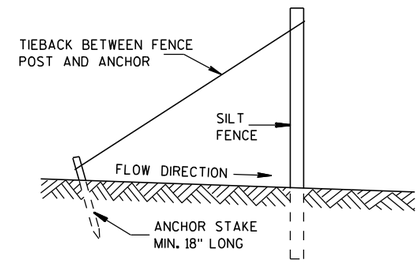


TWIST METHOD



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

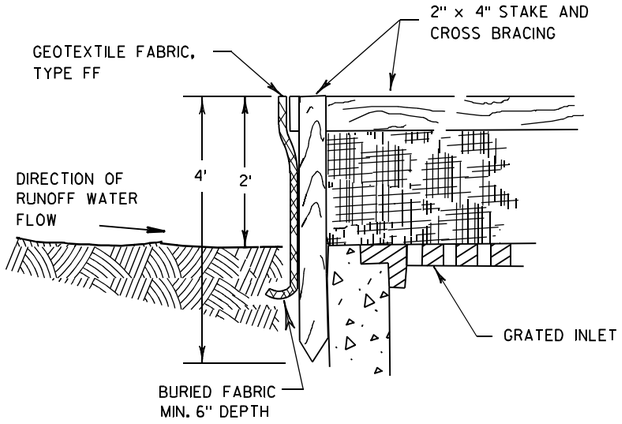
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

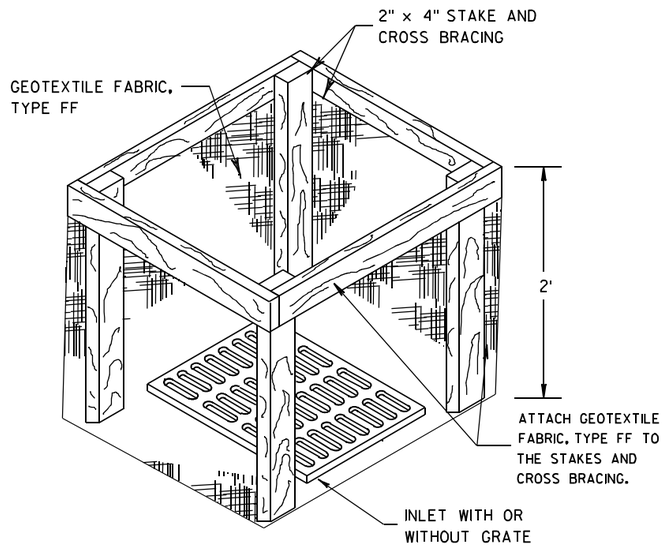
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S.D.D. 8 E 9-6

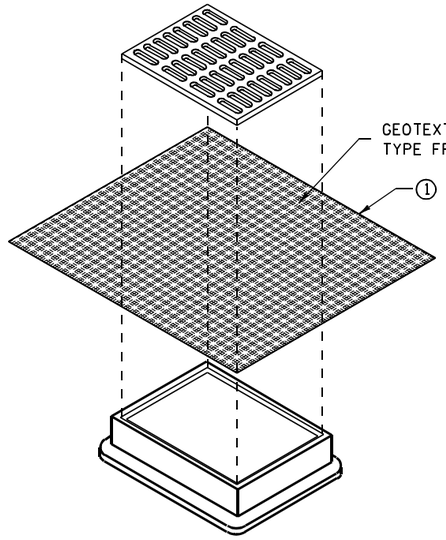
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S.D.D. 8 E 9-6



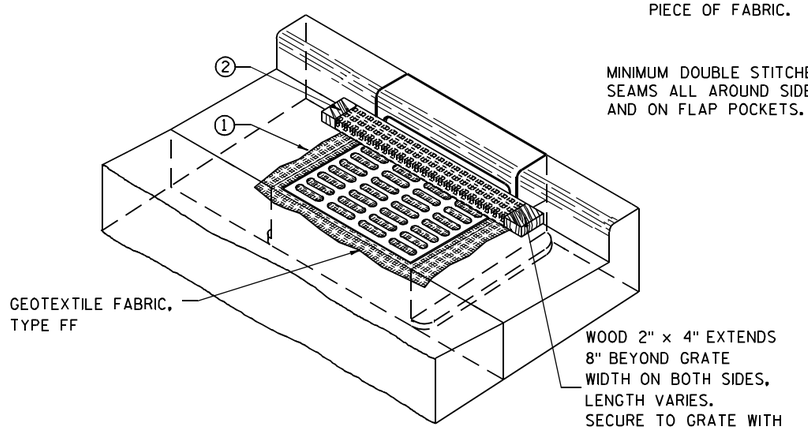


INLET PROTECTION, TYPE A

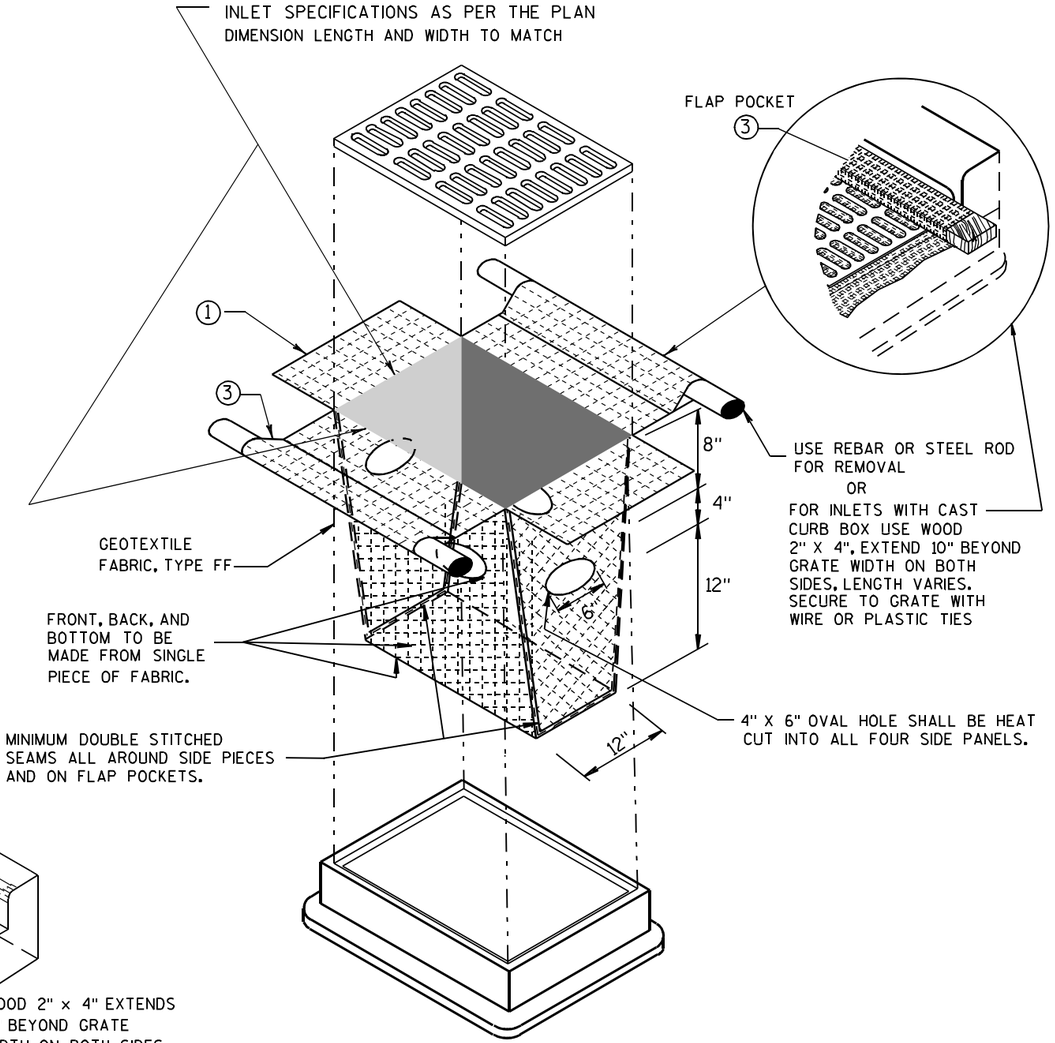


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

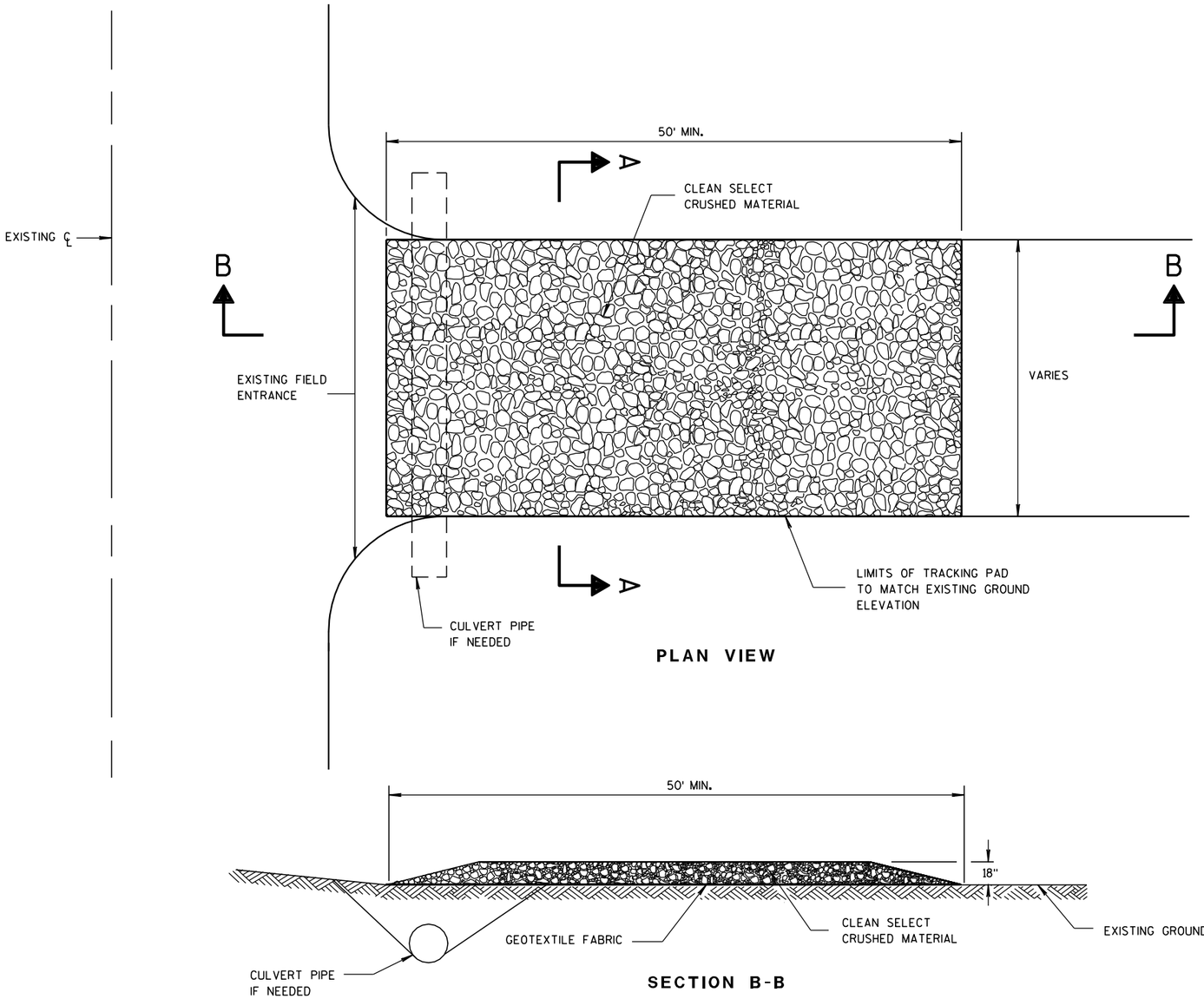
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE 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.

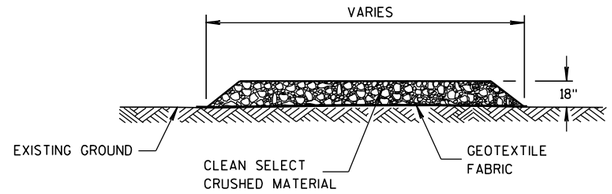
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER	ENT

FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

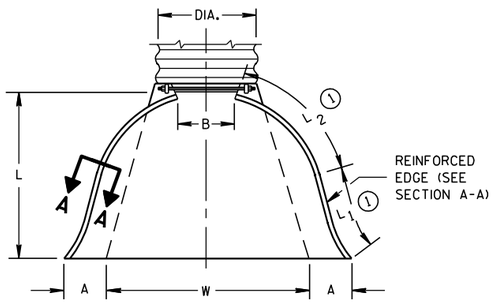
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

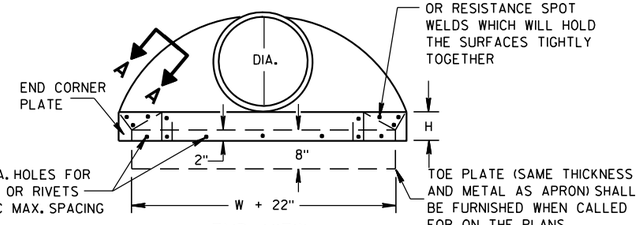
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

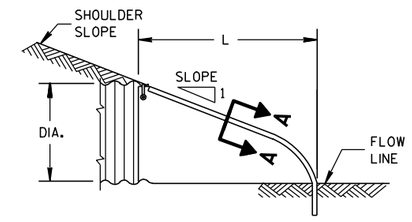
*MINIMUM
**MAXIMUM



PLAN VIEW

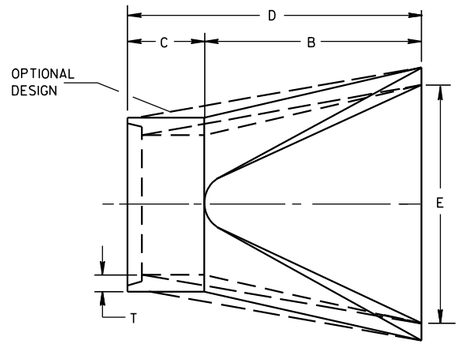


END VIEW

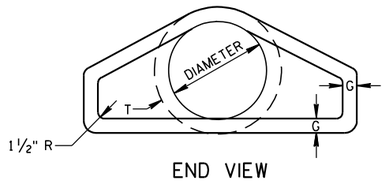


SIDE ELEVATION

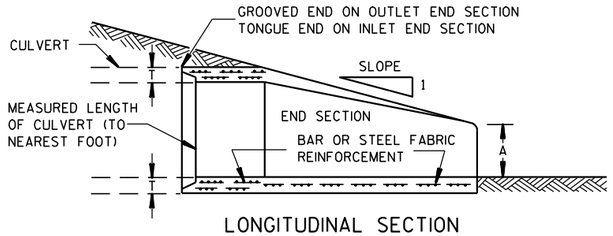
METAL ENDWALLS



PLAN

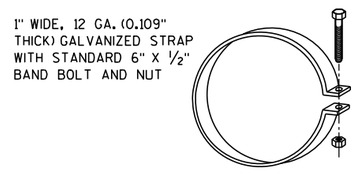


END VIEW



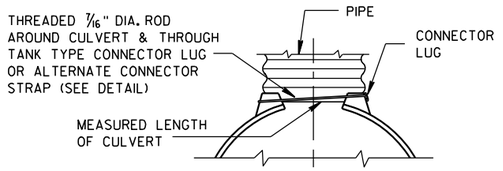
LONGITUDINAL SECTION

CONCRETE ENDWALLS

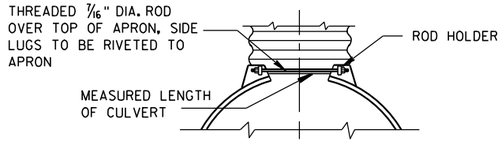


ALTERNATE FOR TYPE 1 CONNECTION

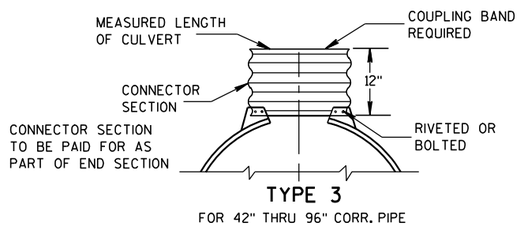
END SECTION CONNECTOR STRAP



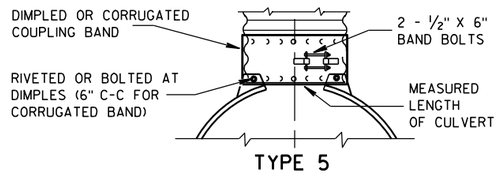
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

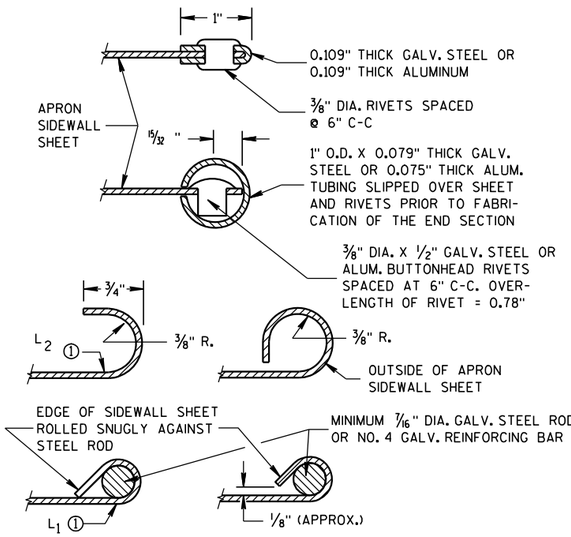
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

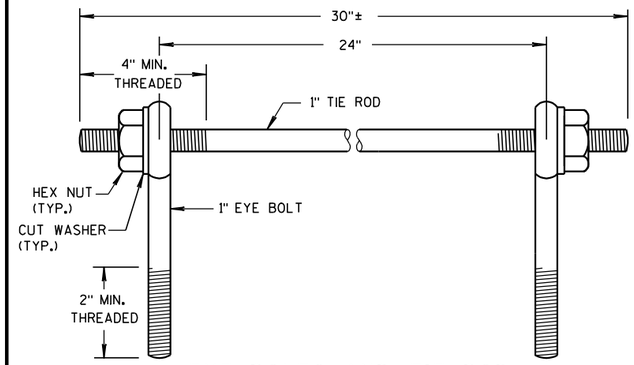
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

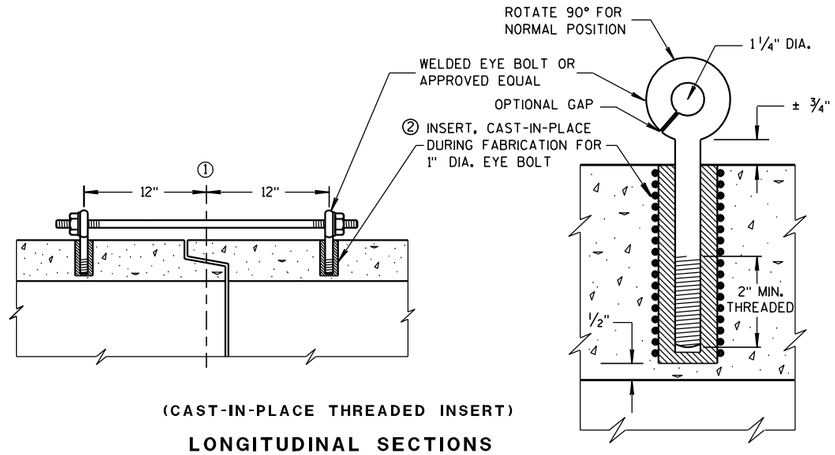
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

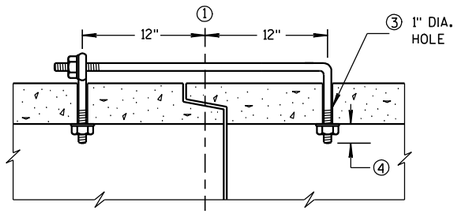
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

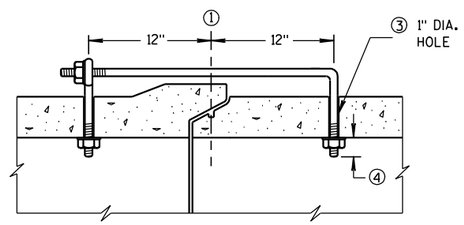
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

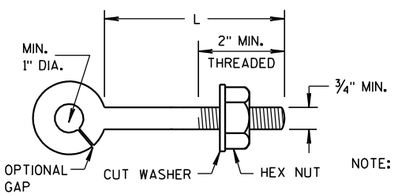


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

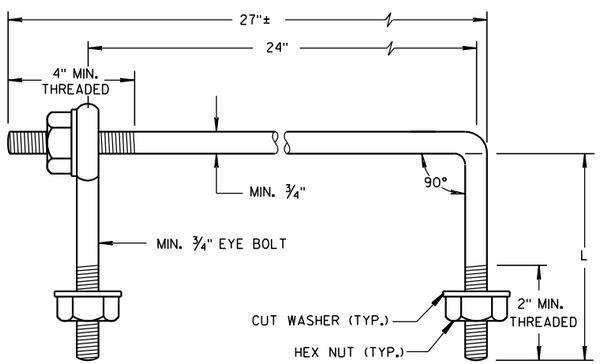
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

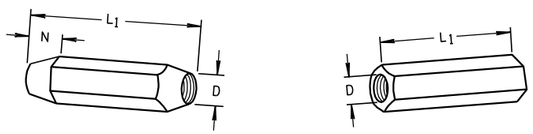
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

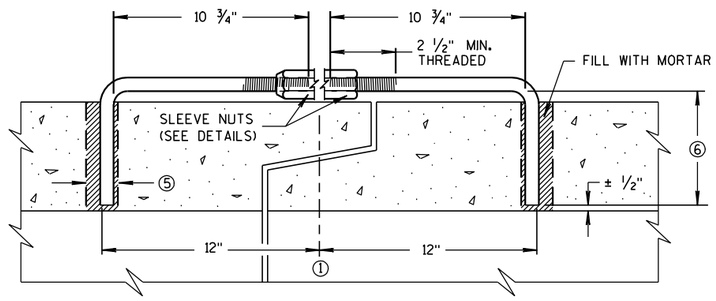
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

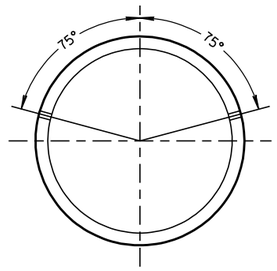
SLEEVE NUTS



LONGITUDINAL SECTION

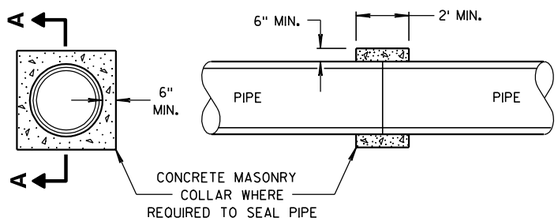
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

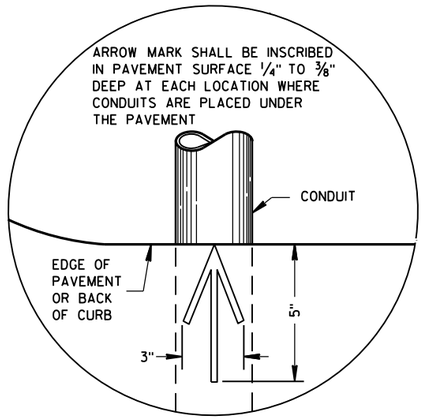
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
183
FHWA

6

S.D.D. 8 F 4-7

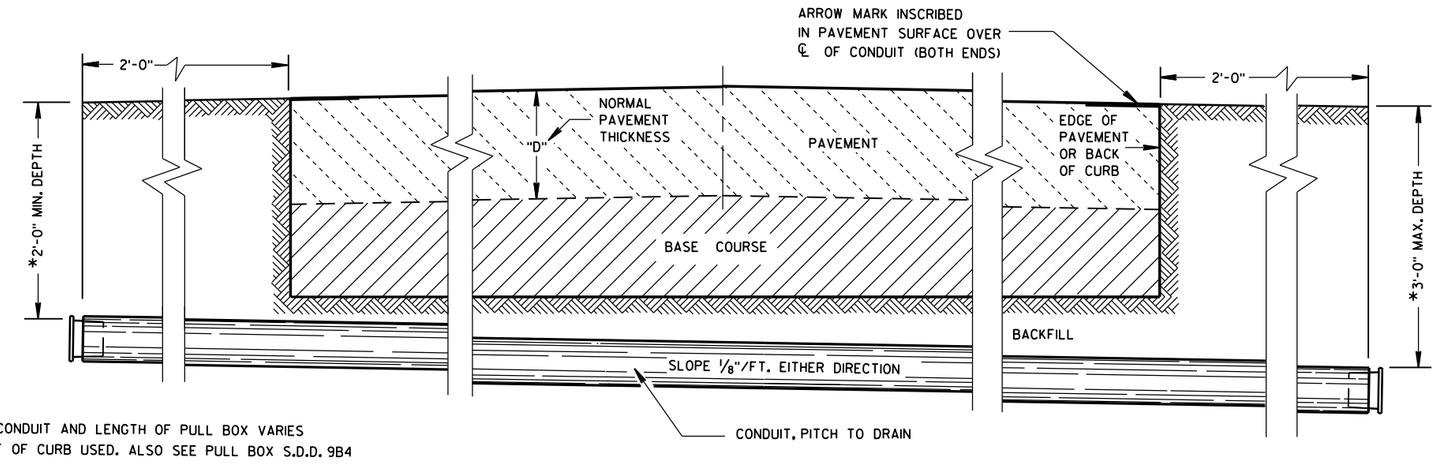
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*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

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.).

TRACER 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.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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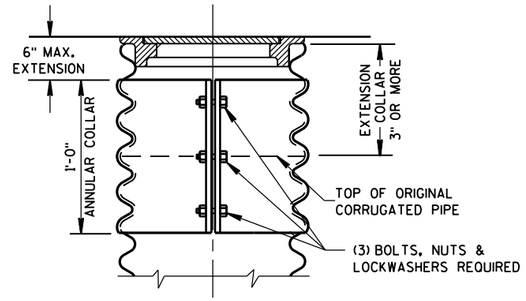
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

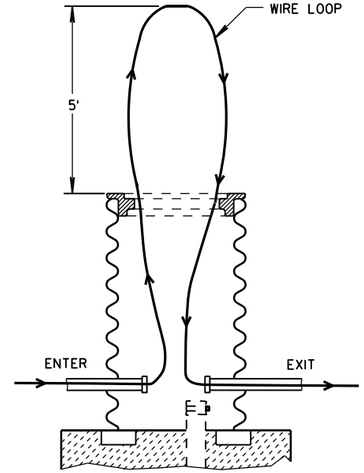
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

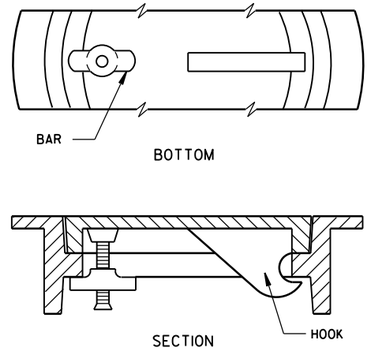
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

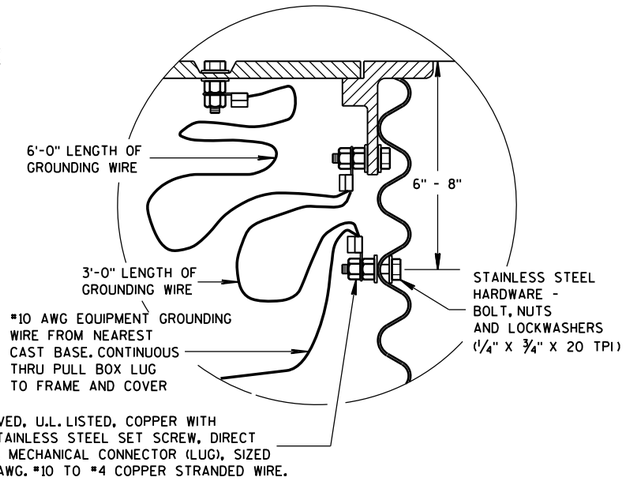


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

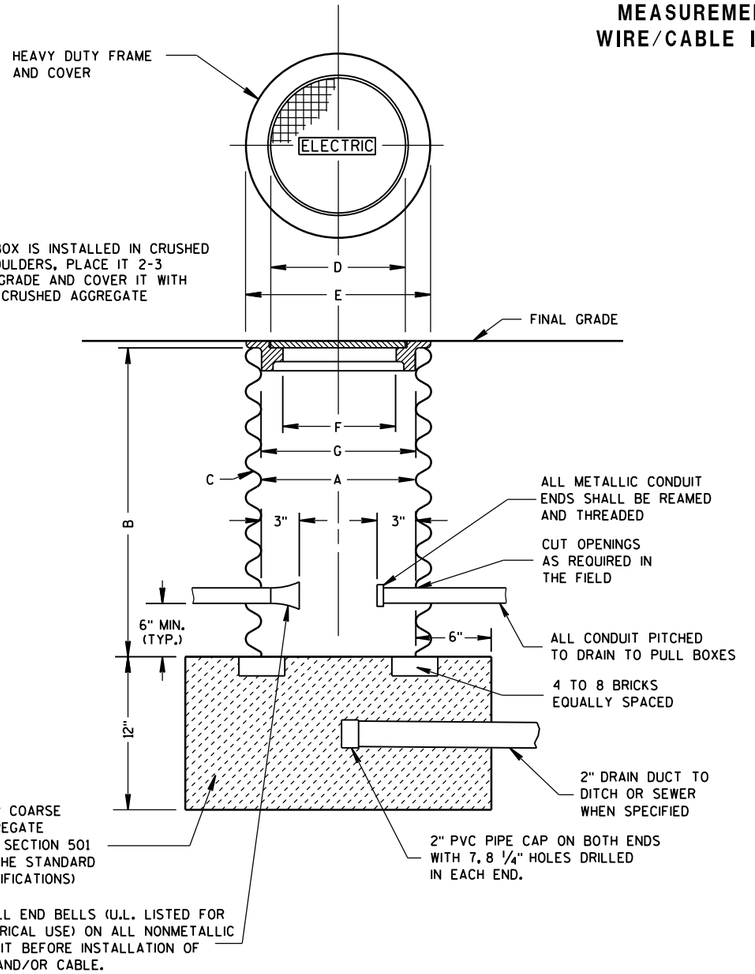


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

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.

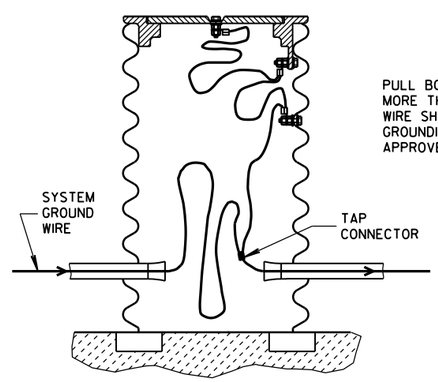
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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.

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

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.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

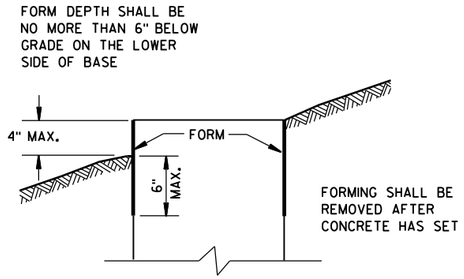
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

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S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
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 1, TYPE 2, TYPE 5, AND TYPE 6 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 OF THE STANDARD SPECIFICATIONS.

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.

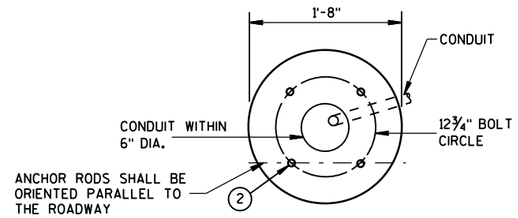
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

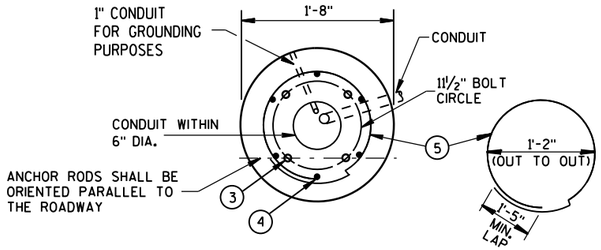
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

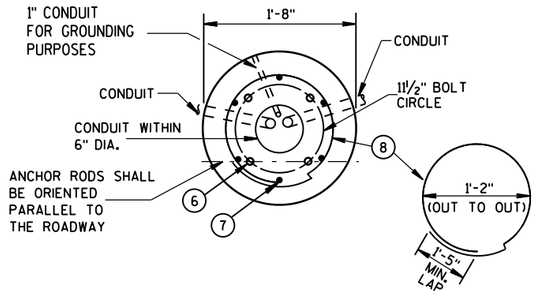
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

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

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

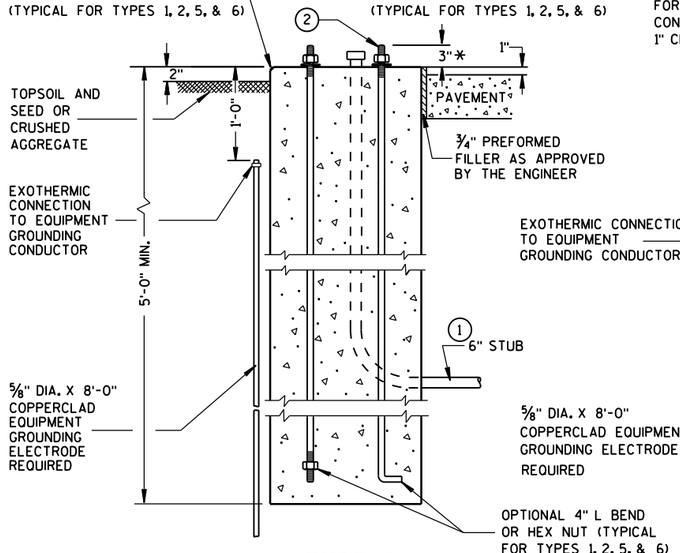




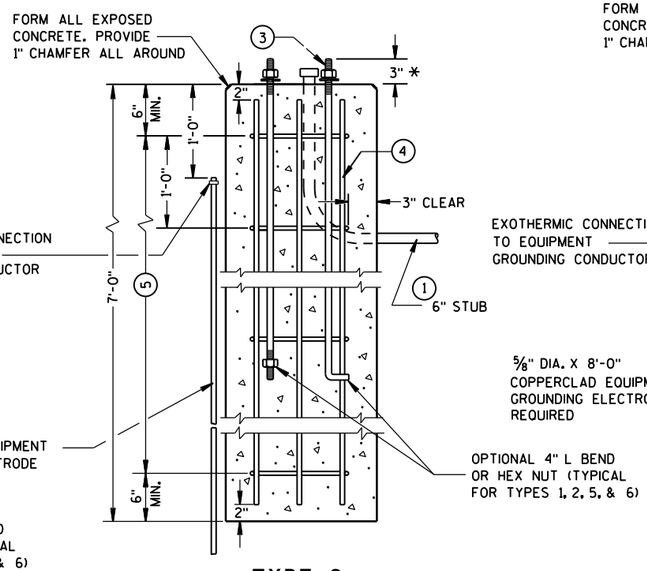


HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

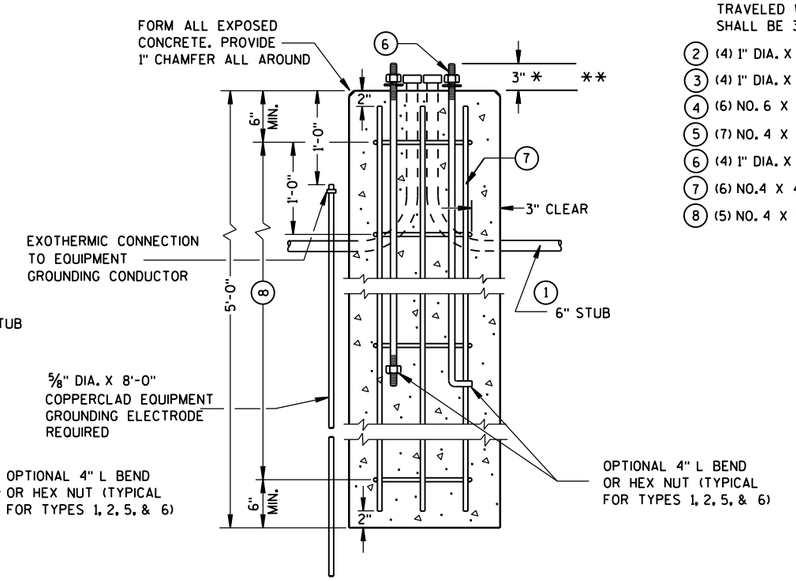
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

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, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 2-7

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

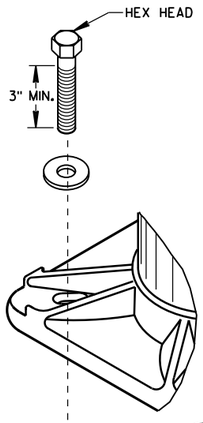
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

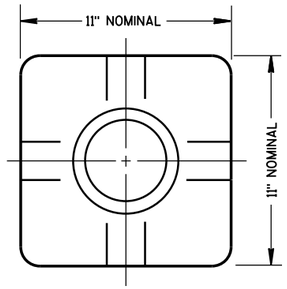
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

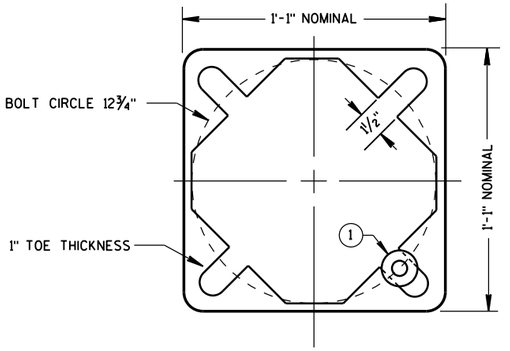
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

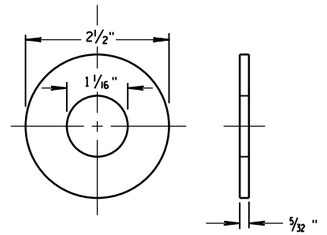




TOP VIEW
(PEDESTAL BASE)

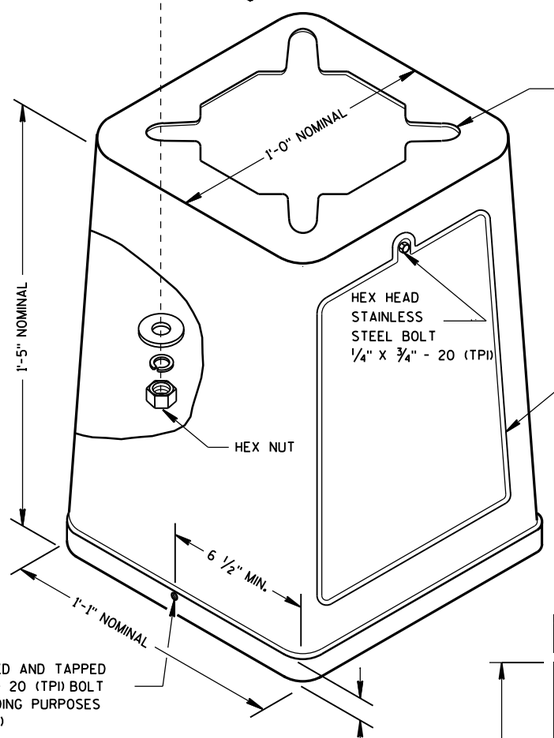


BOTTOM VIEW
(PEDESTAL BASE)

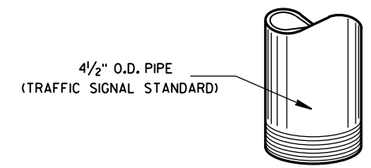


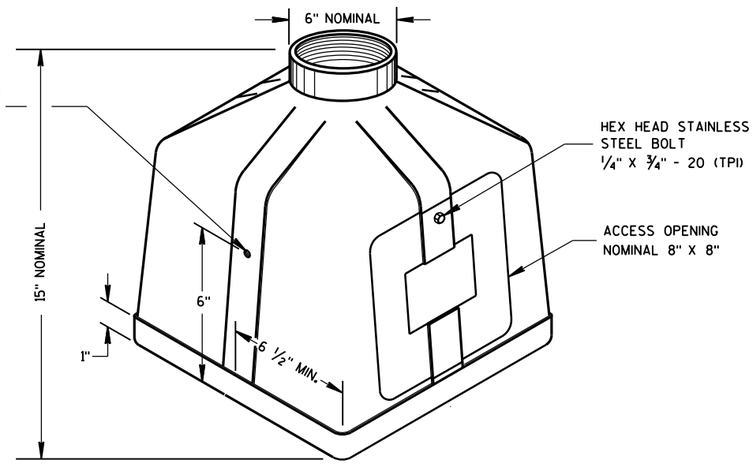
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



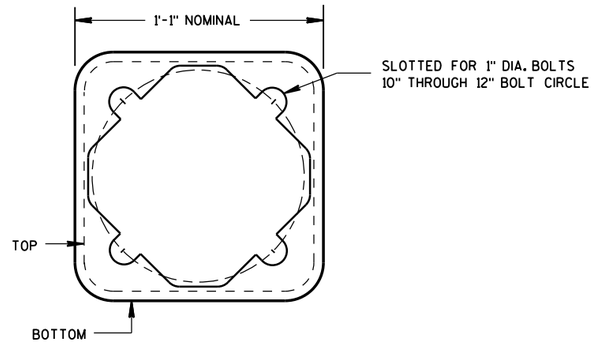
ISOMETRIC VIEW



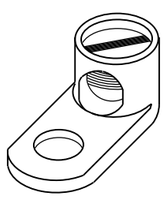


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

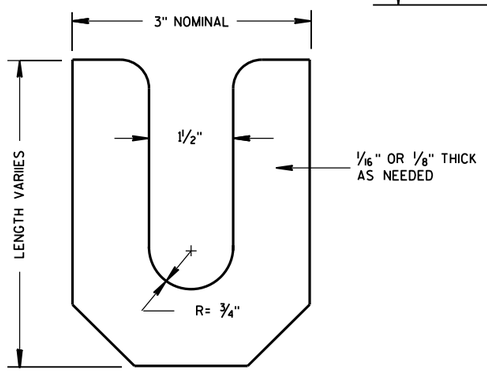


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

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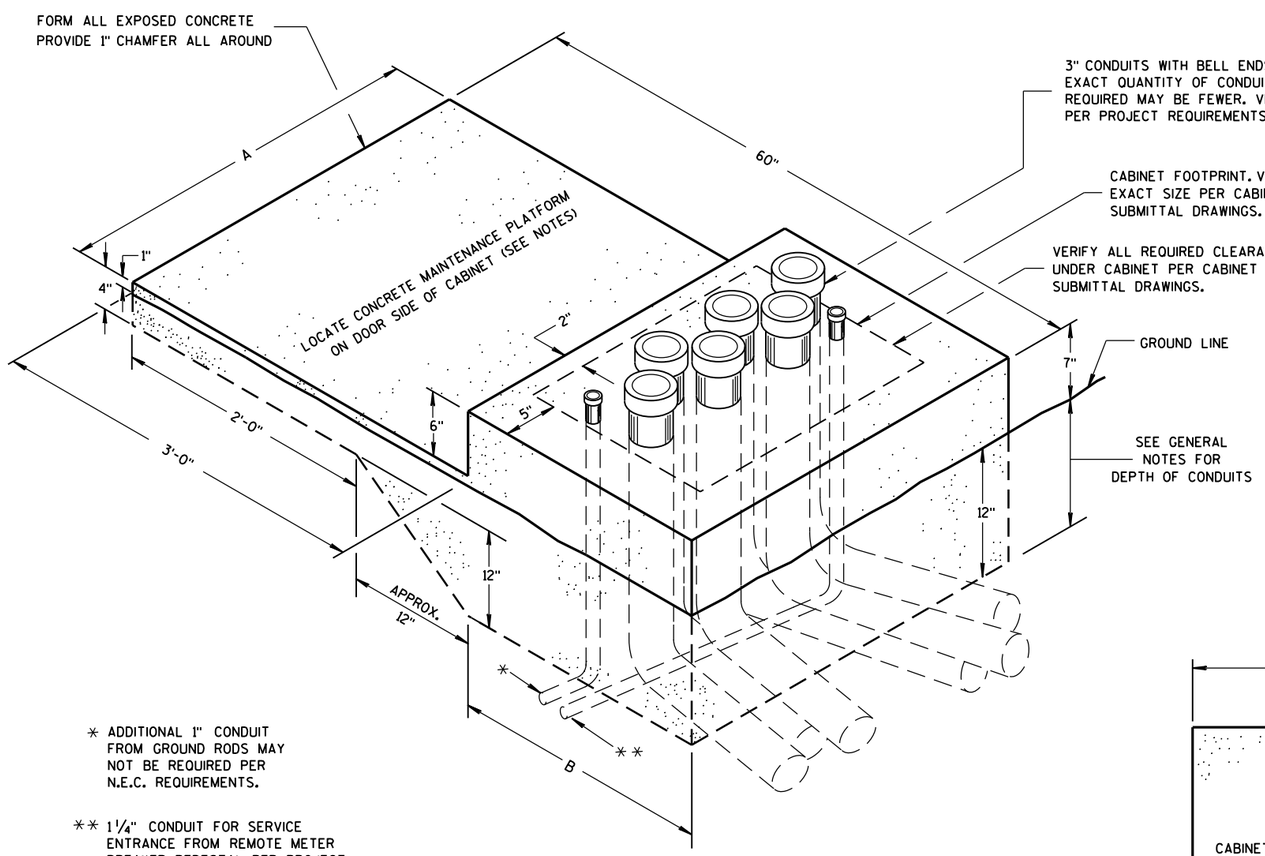
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

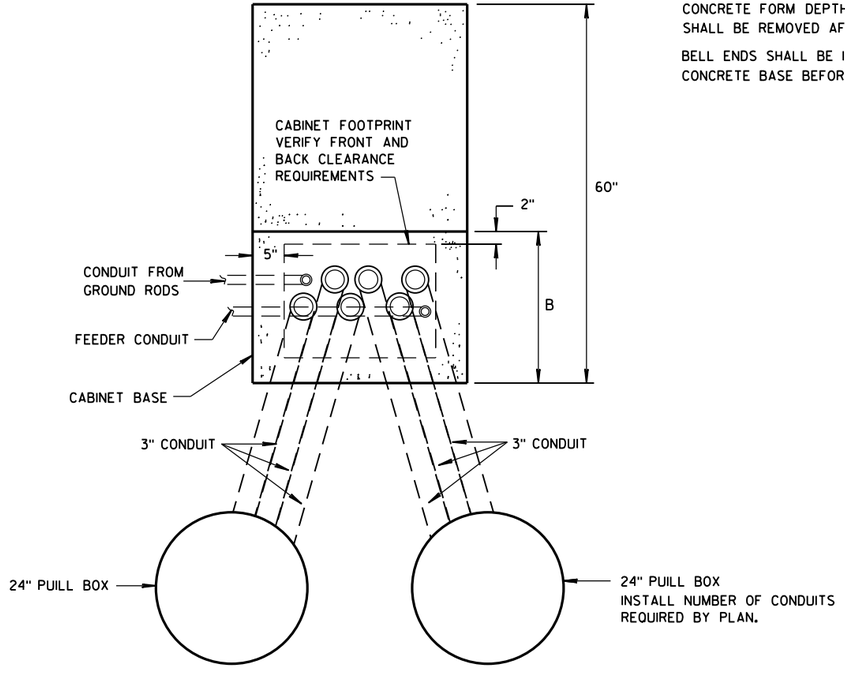
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

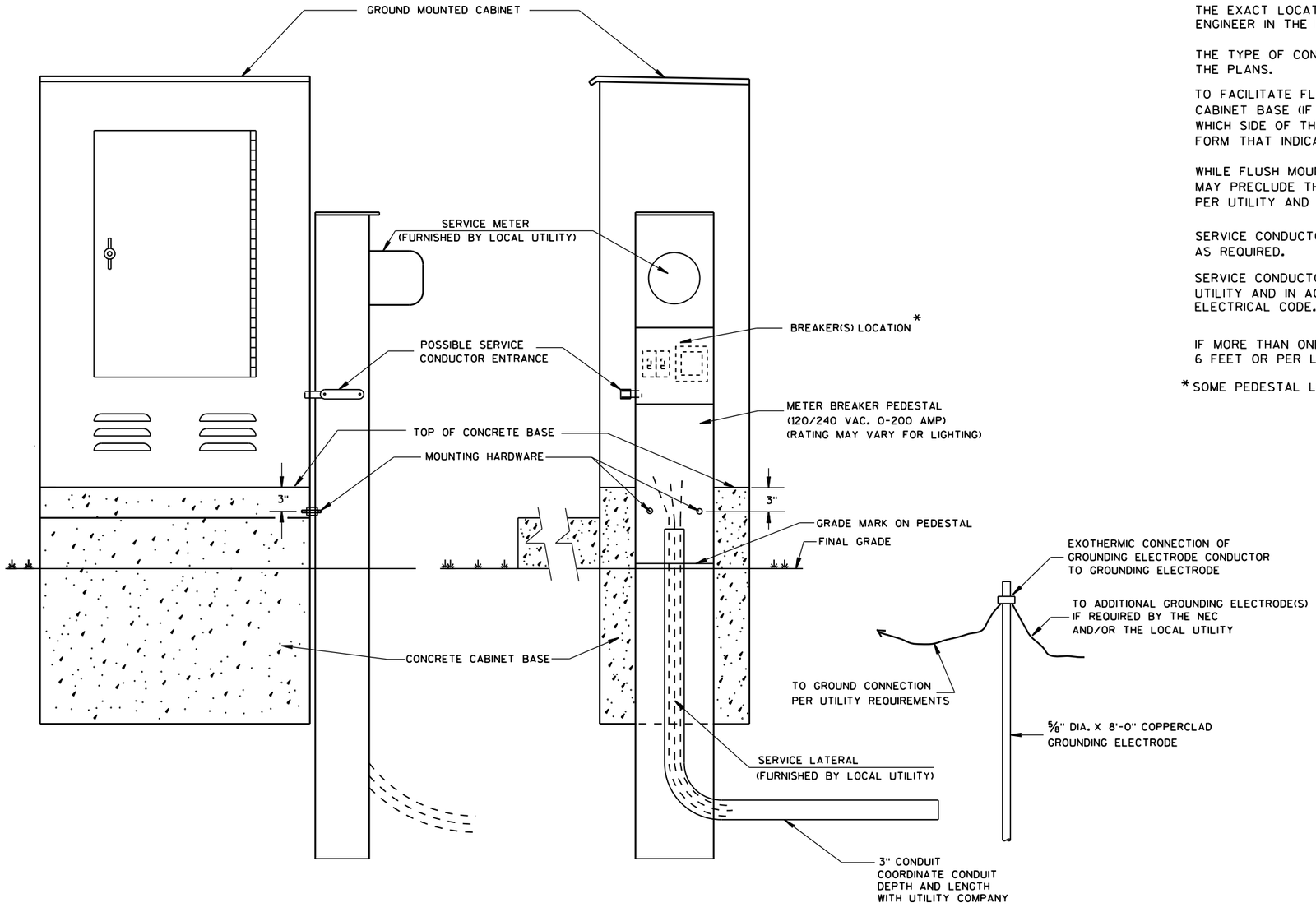
BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

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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.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

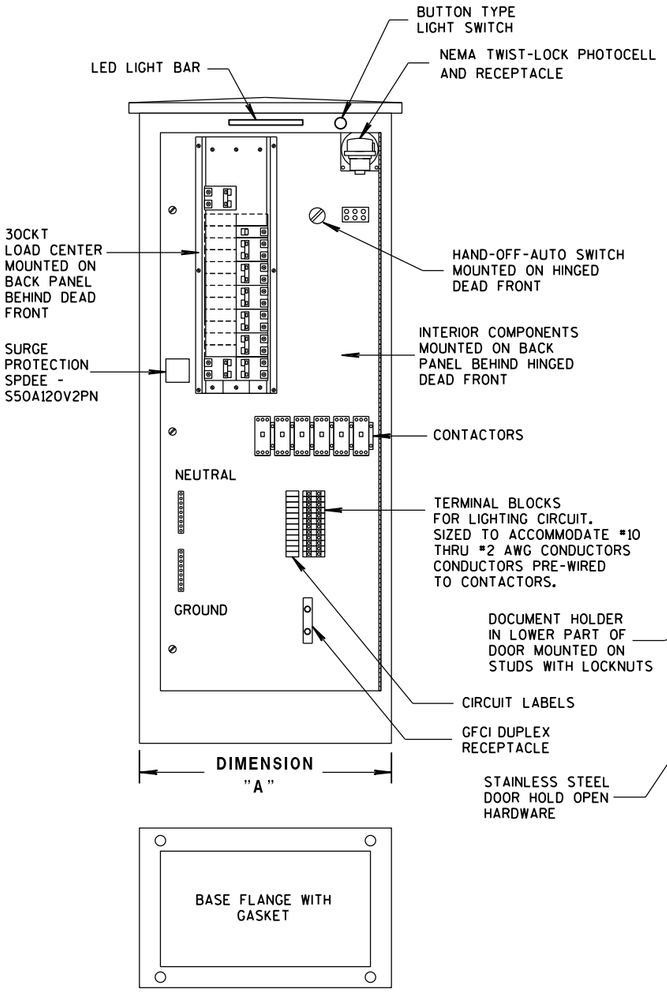
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FRONT INTERIOR ELEVATION



SIDE VIEW

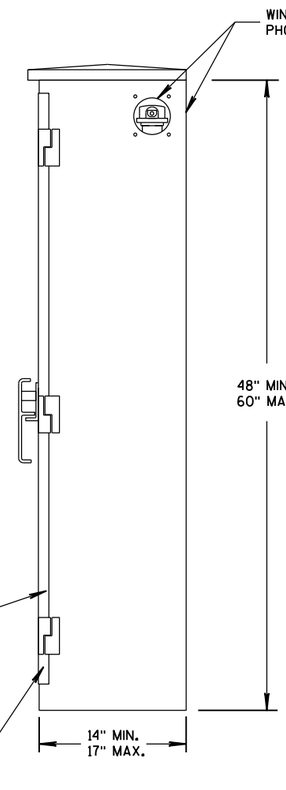
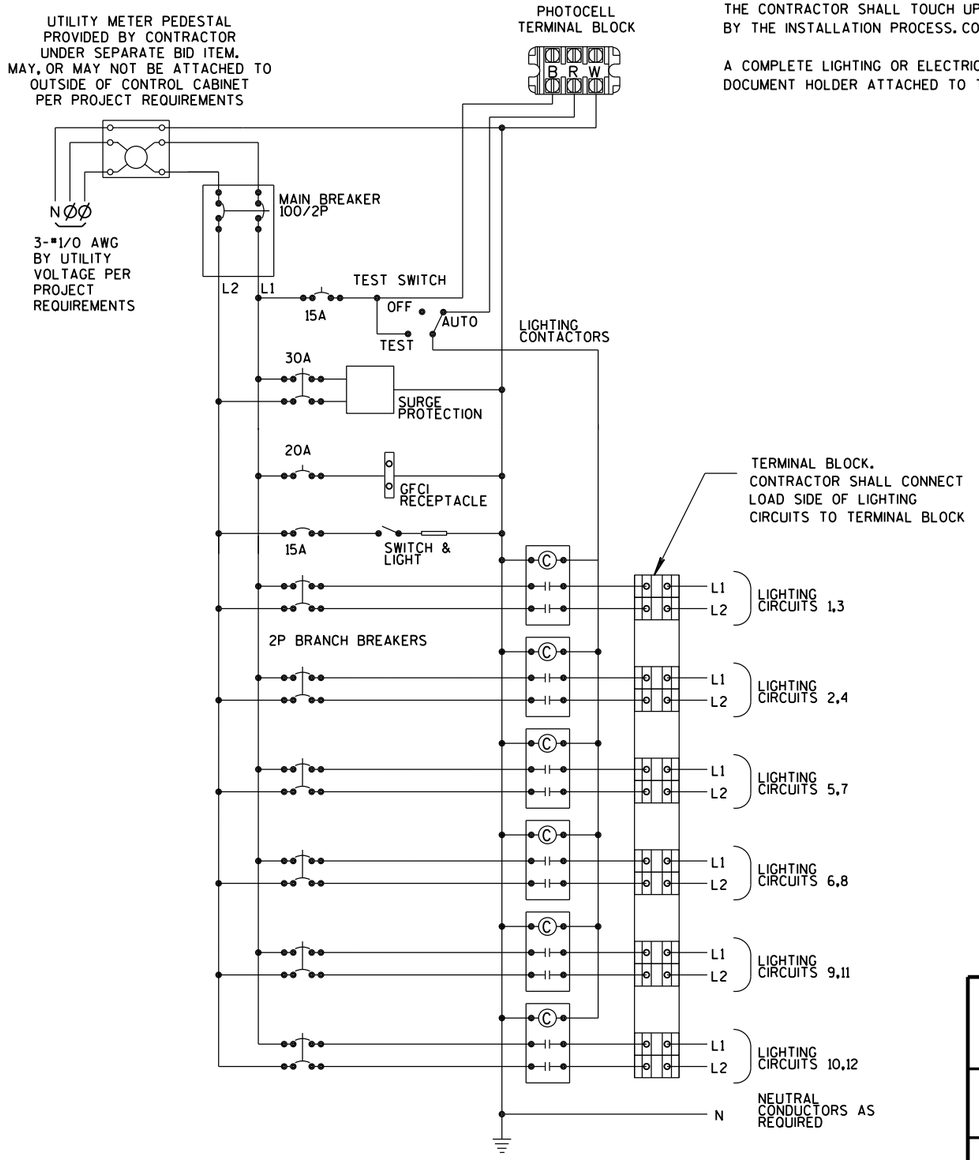


TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

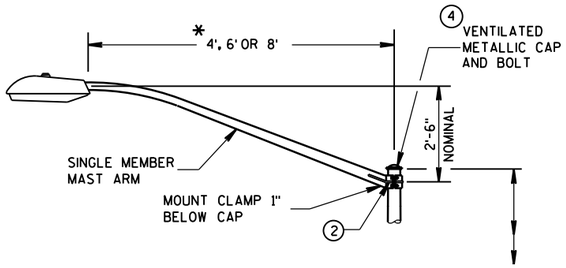
LIGHTING CONTROL CABINET 120/240 VOLT

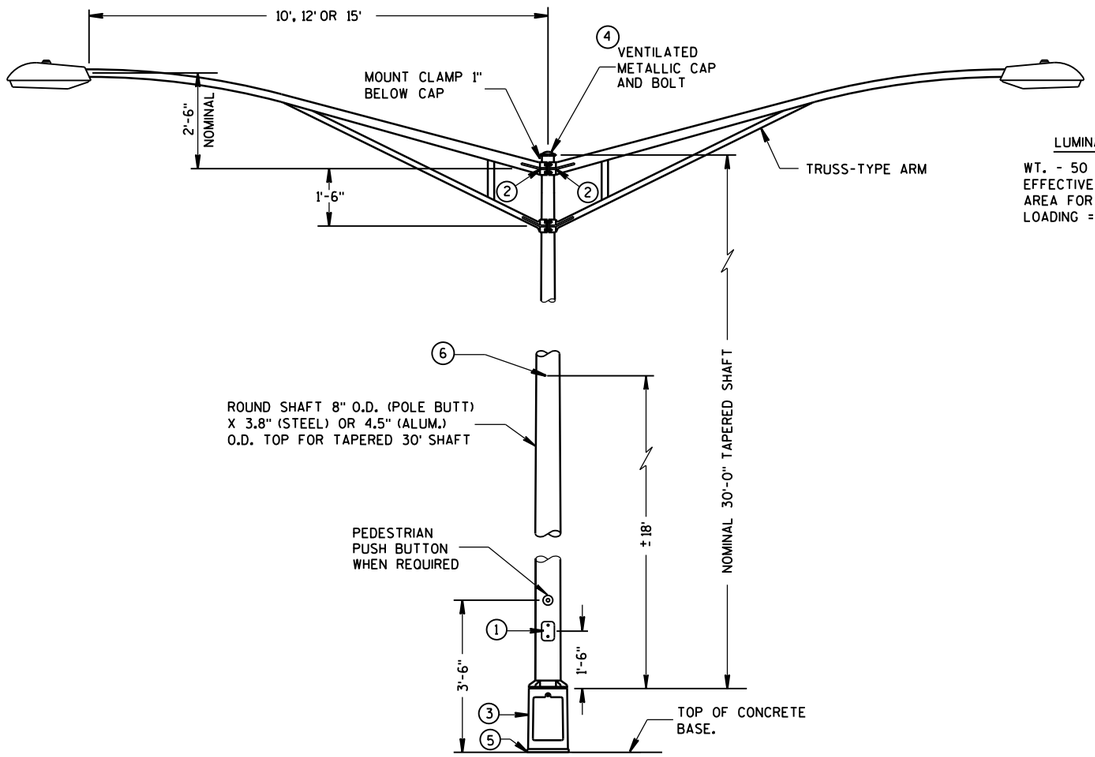
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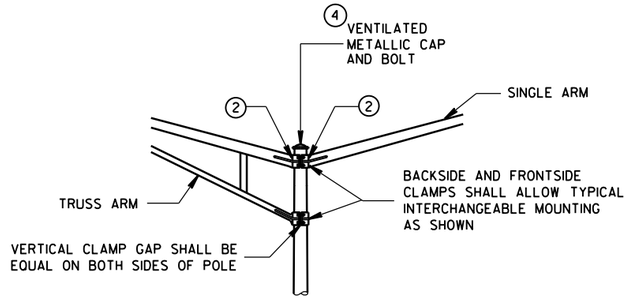
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S.D.D. 9 D 4-2

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

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

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

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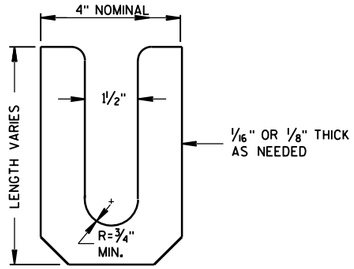
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POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

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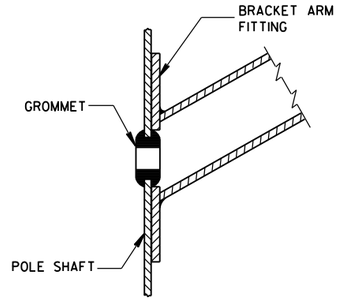
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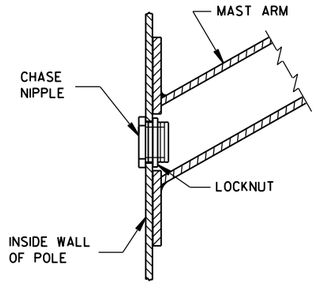


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

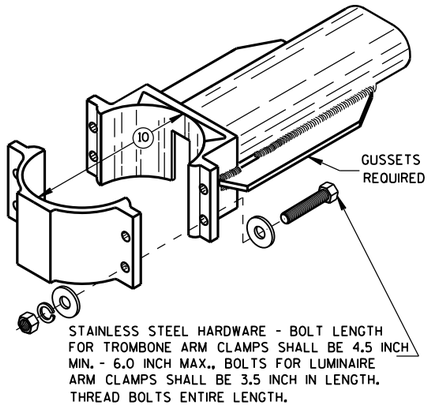
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

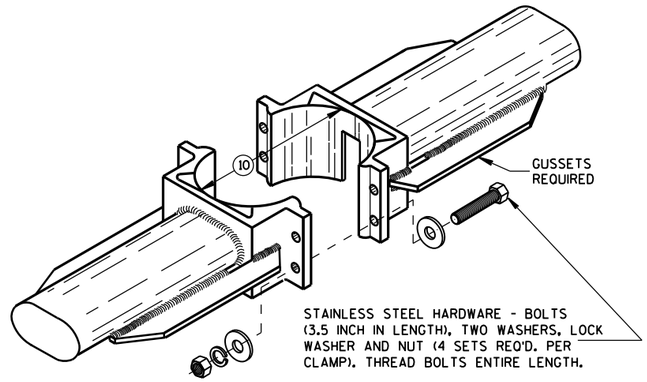
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

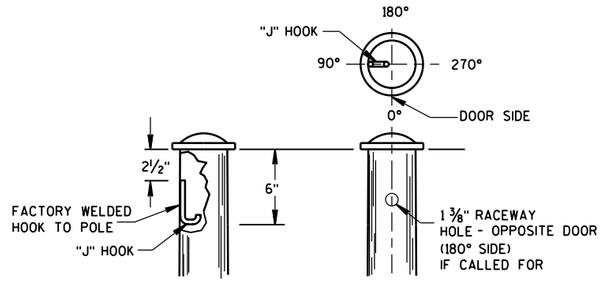
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



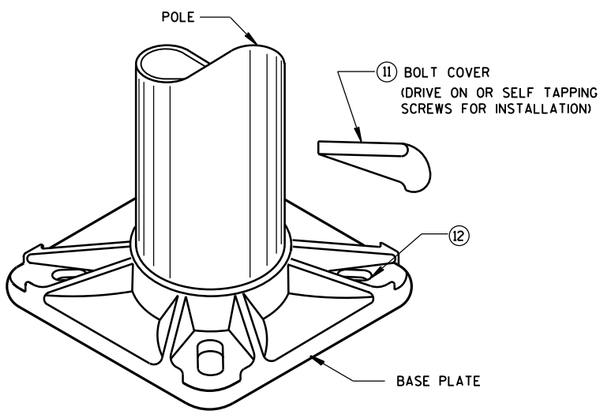
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



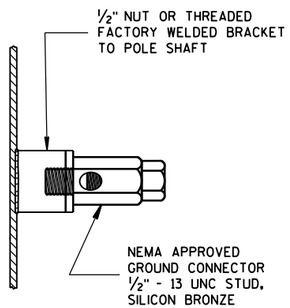
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

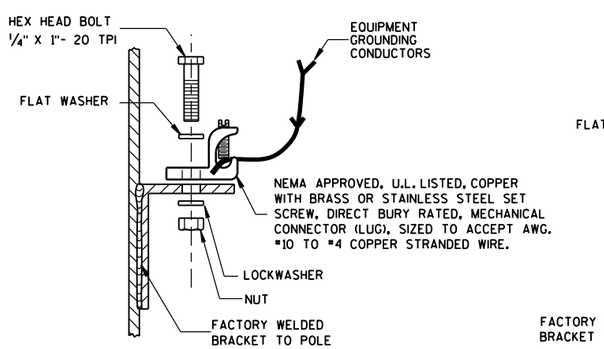


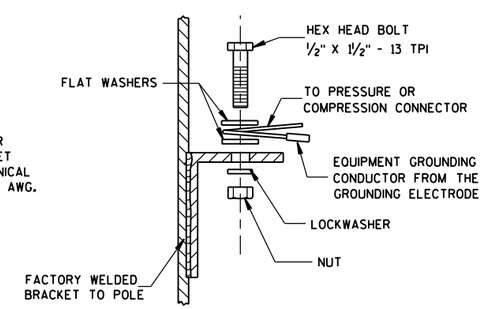
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

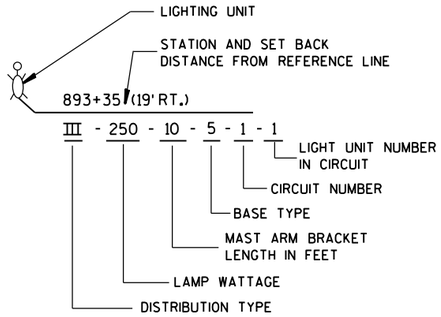
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

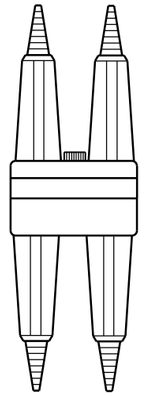
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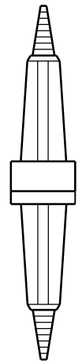
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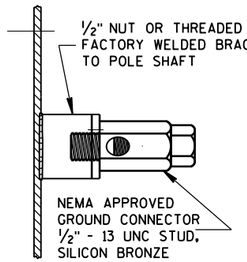
LIGHTING UNIT CODE
(TYPICAL)

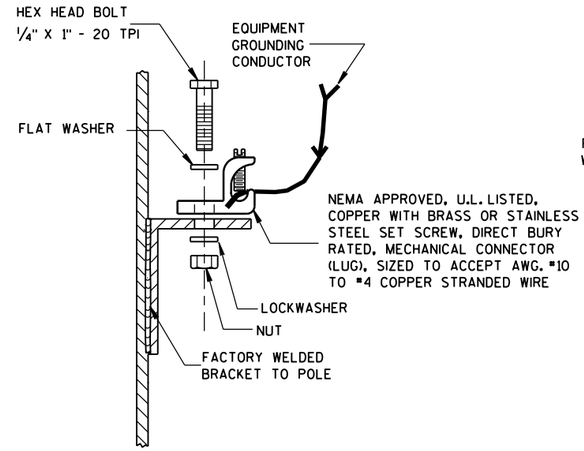


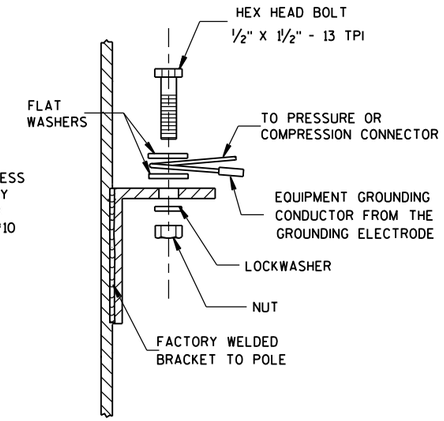
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



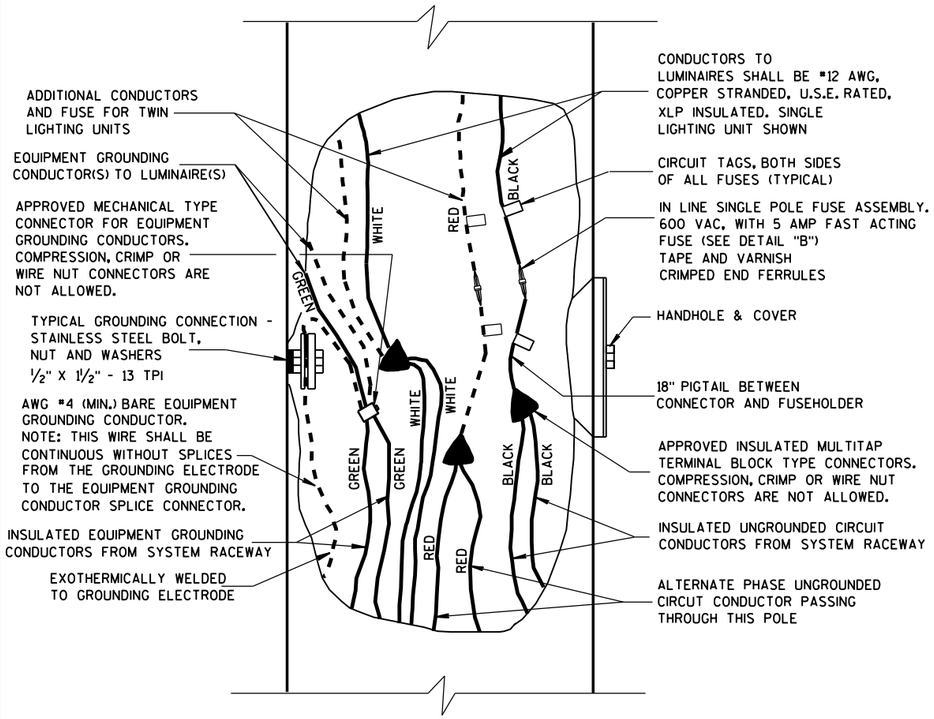
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



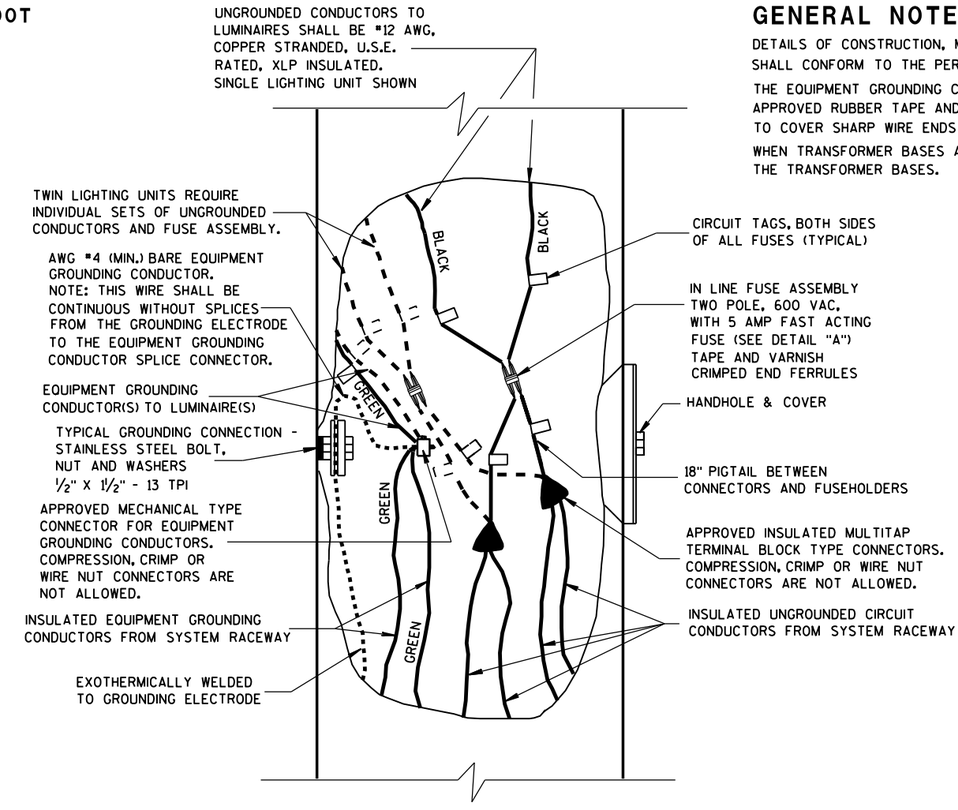




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



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.

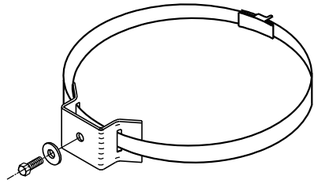
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

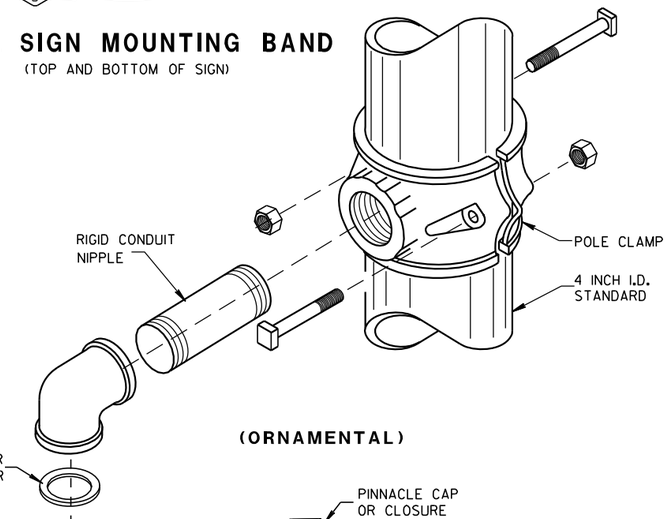
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/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

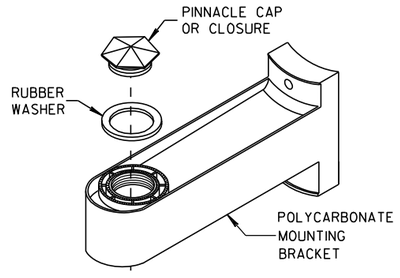
6
S.D.D. 9 E 3-5



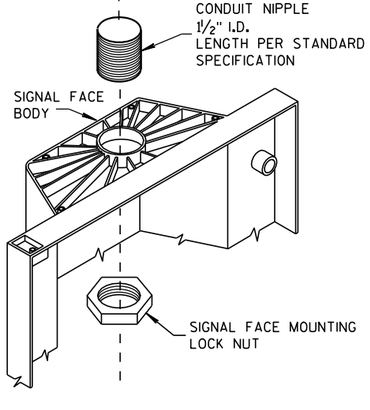
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



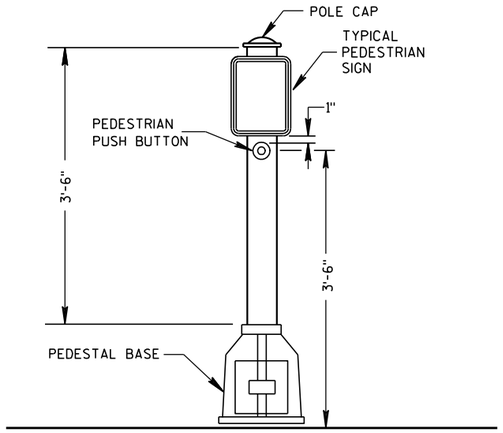
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

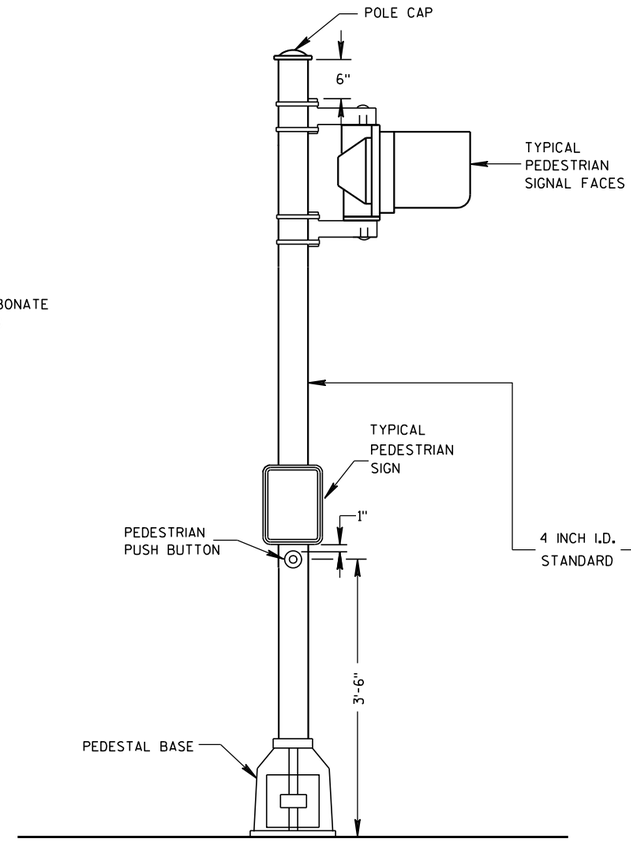
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

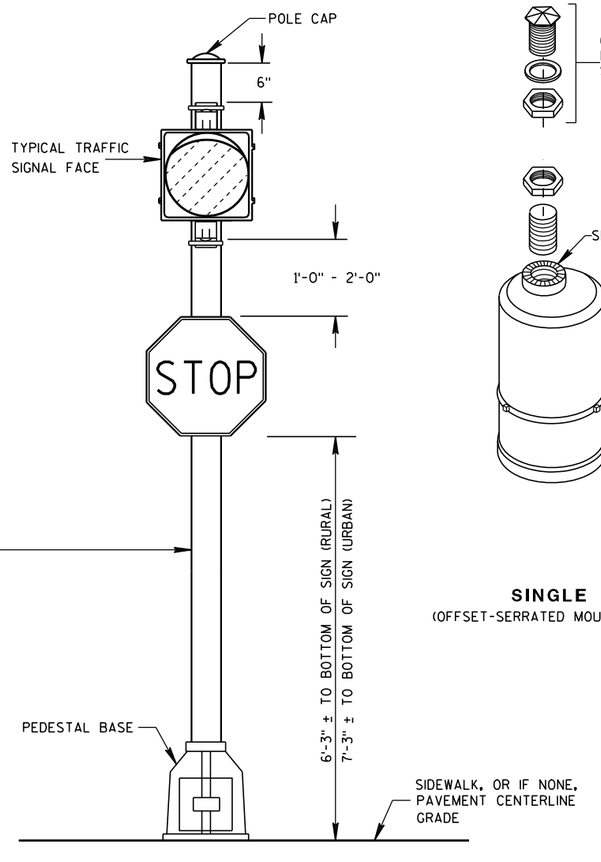
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

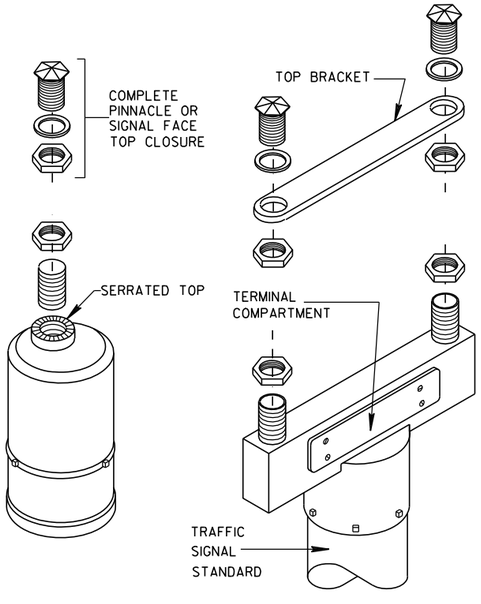
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL ENGI

FHWA

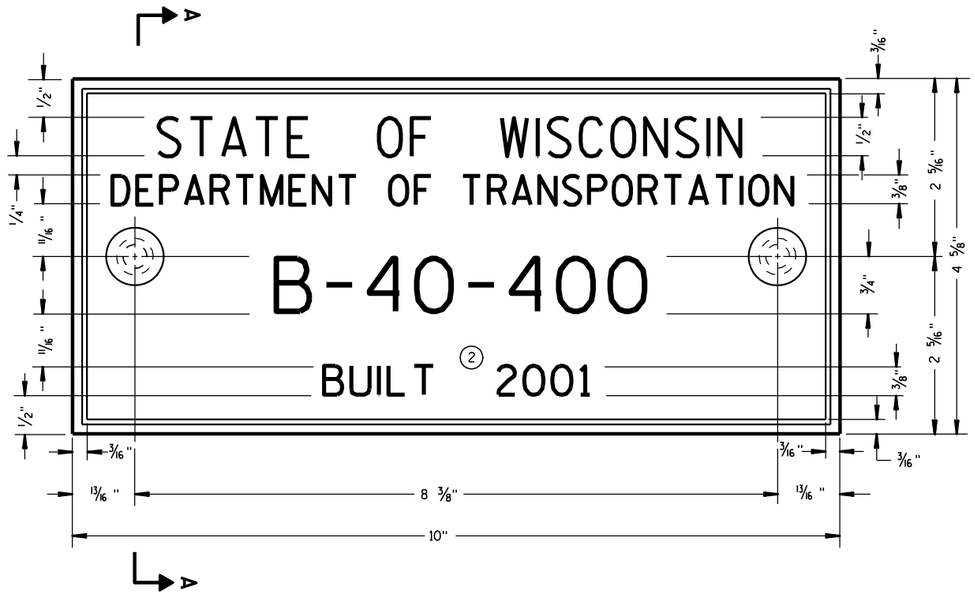
HWYS

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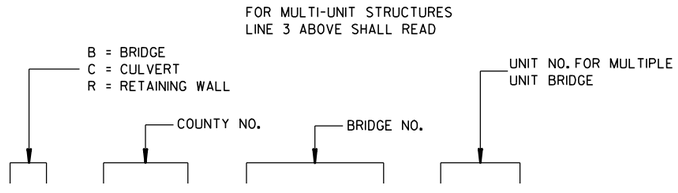
S.D.D. 9 E 7-5

6

S.D.D. 9 E 7-5



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

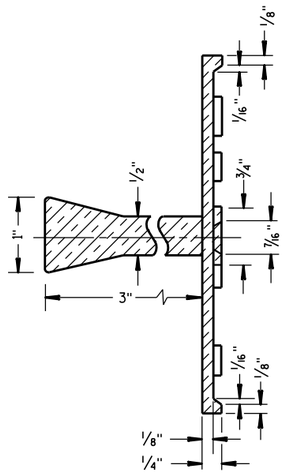
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

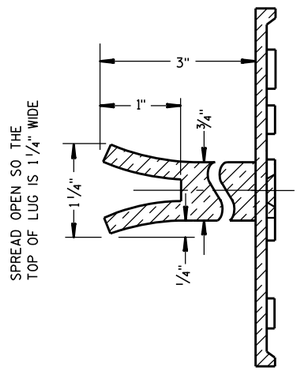
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

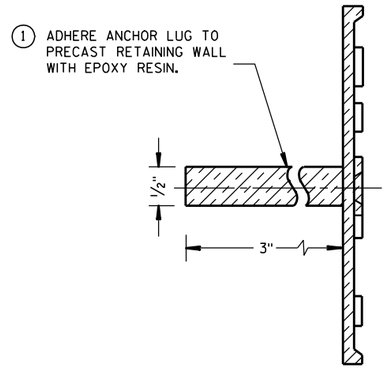
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOP ENGINEER

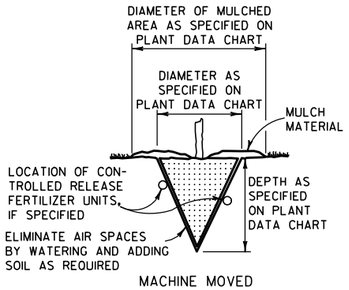
FHWA

6

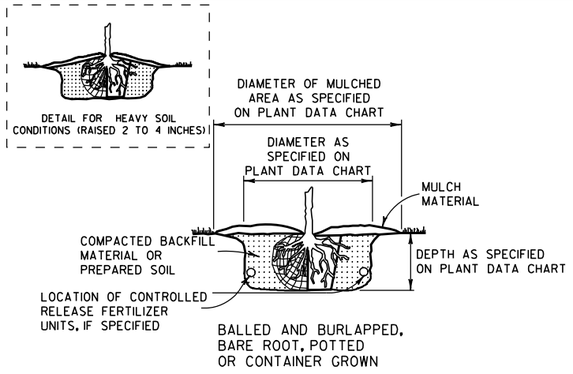
S.D.D. 12 A 3-10

6

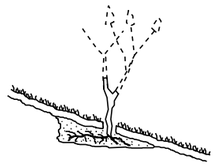
S.D.D. 12 A 3-10



MACHINE MOVED

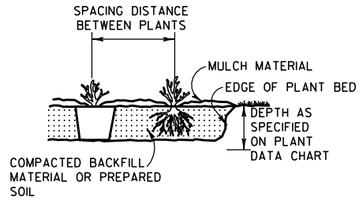


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



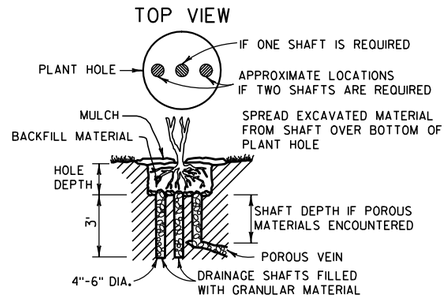
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

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



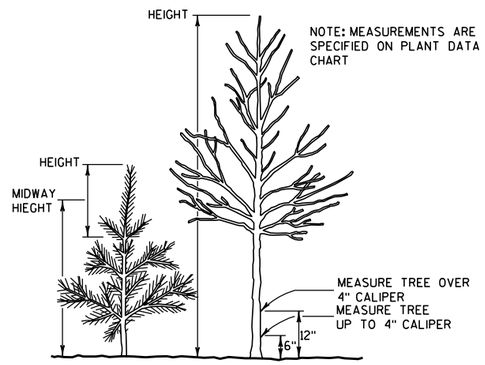
PREPARED BED (BARE ROOT AND POTTED)

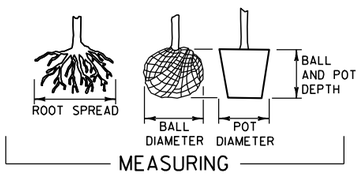
PLANTING



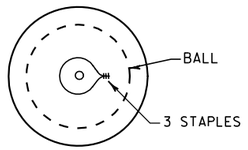
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

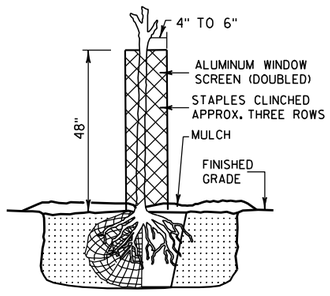




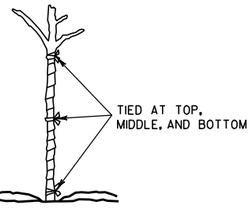
MEASURING



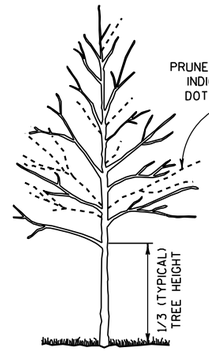
TOP VIEW



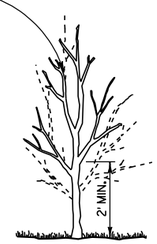
RODENT PROTECTION



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)

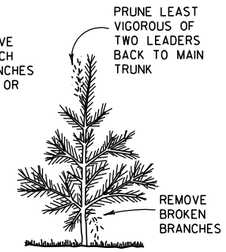
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

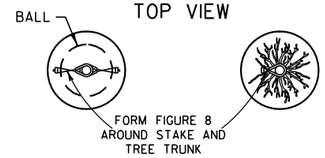


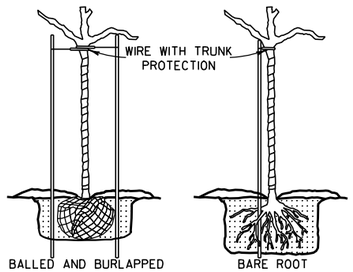
SUMAC

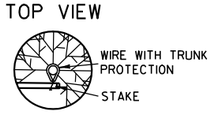


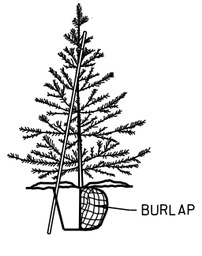
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



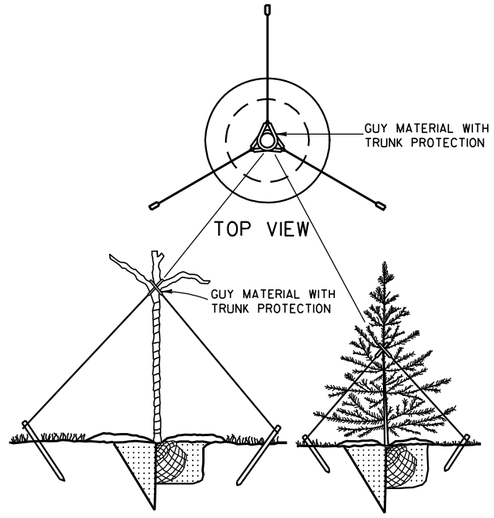






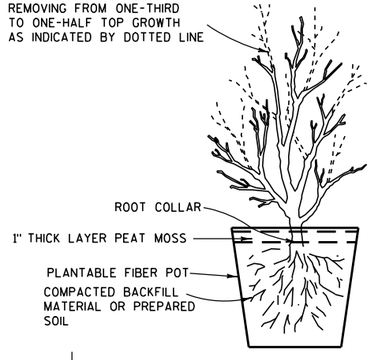
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE 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.

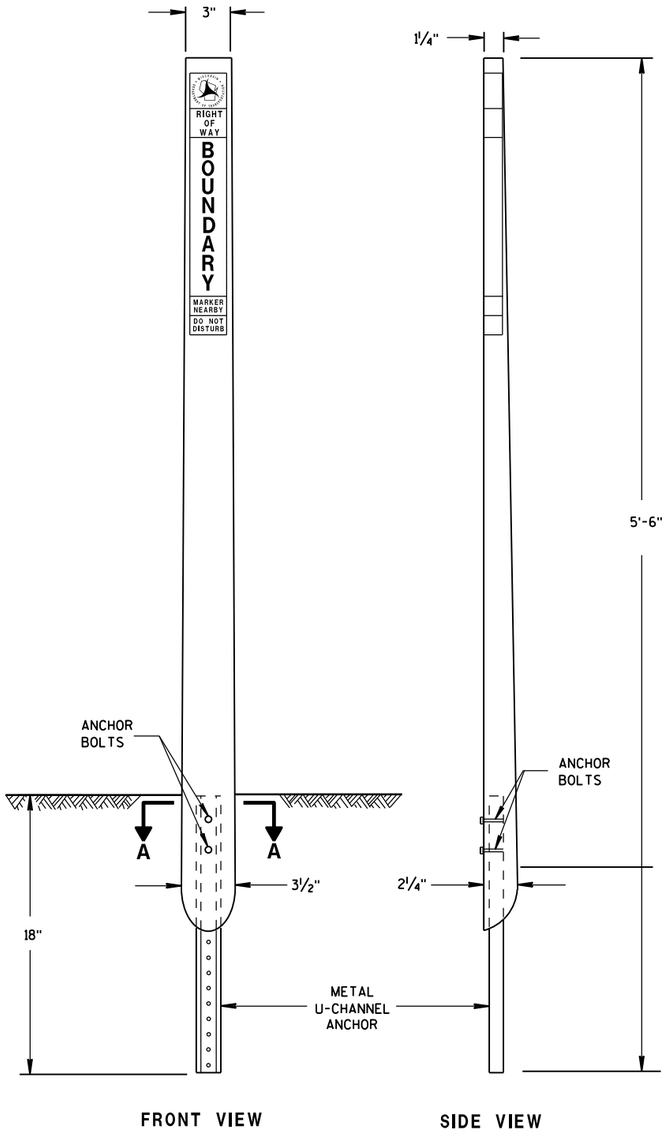
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

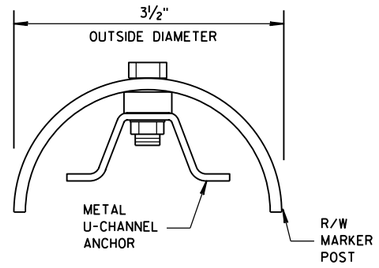
S.D.D. 14 A 2-1

S.D.D. 14 A 2-1

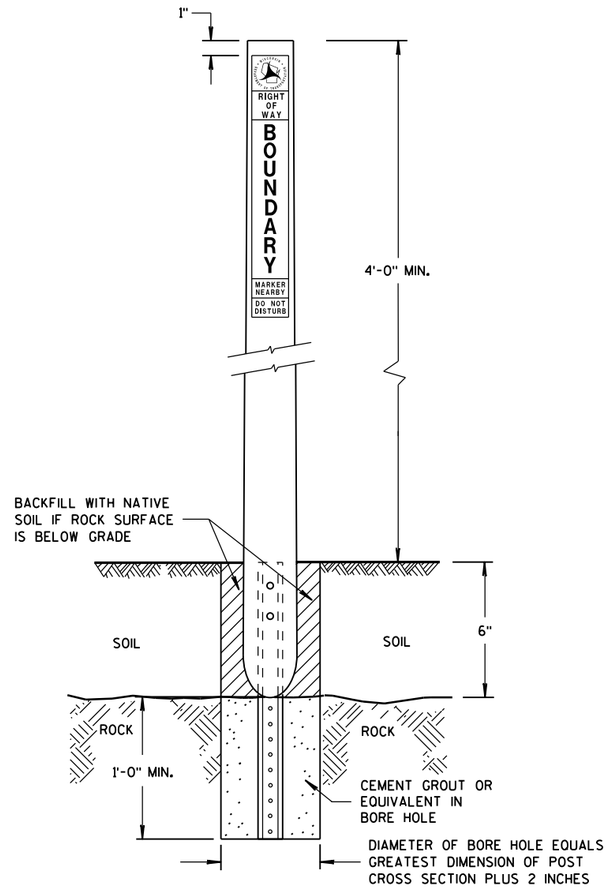


FRONT VIEW SIDE VIEW

FLEXIBLE MARKER POST FOR RIGHT-OF-WAY ①

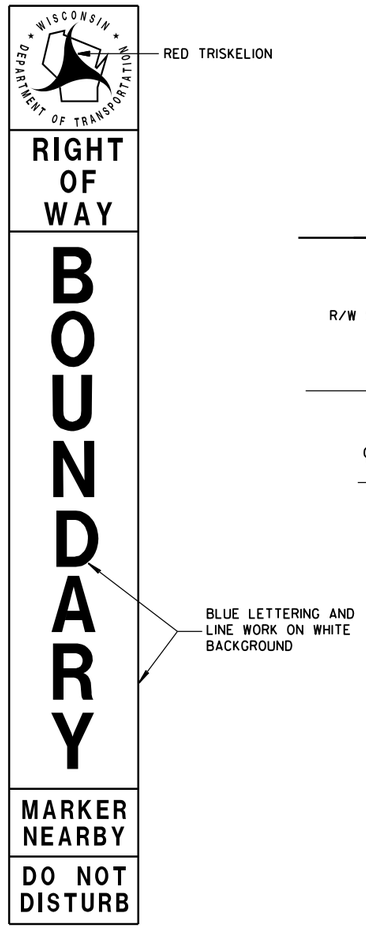


SECTION A-A



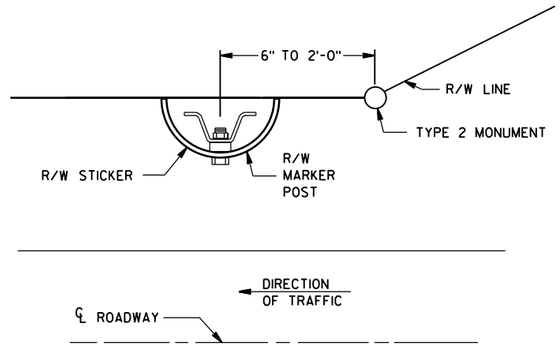
FRONT VIEW

ROCK INSTALLATION ①②



RIGHT-OF-WAY STICKER

THE RIGHT-OF-WAY STICKER SHALL BE ATTACHED 1" FROM THE TOP OF THE RIGHT-OF-WAY POST PRIOR TO DELIVERY.



PLAN VIEW

GENERAL NOTES

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

A FLEXIBLE MARKER POST FOR RIGHT-OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY, WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE RIGHT-OF-WAY STICKER DIMENSIONS SHALL BE 2¼" X 17" AND THE STICKER SHALL BE MADE OF A NON-REFLECTIVE VINYL MATERIAL. THE RIGHT-OF-WAY STICKER SHALL FACE THE ROADWAY.

INSTALL PER DEPTH OF MANUFACTURER'S RECOMMENDATIONS BUT NOT LESS THAN 18 INCHES BELOW GRADE FROM THE BOTTOM OF THE METAL U-CHANNEL ANCHOR.

① FLEXIBLE MARKER POSTS SHALL BE INCLUDED IN THE APPROVED PRODUCTS LIST FOR MARKER POSTS AND SHALL BE FEDERAL YELLOW IN COLOR.

② IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK TO A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 4'-0" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR.

FILL THE BORE HOLE WITH CEMENT GROUT, OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.

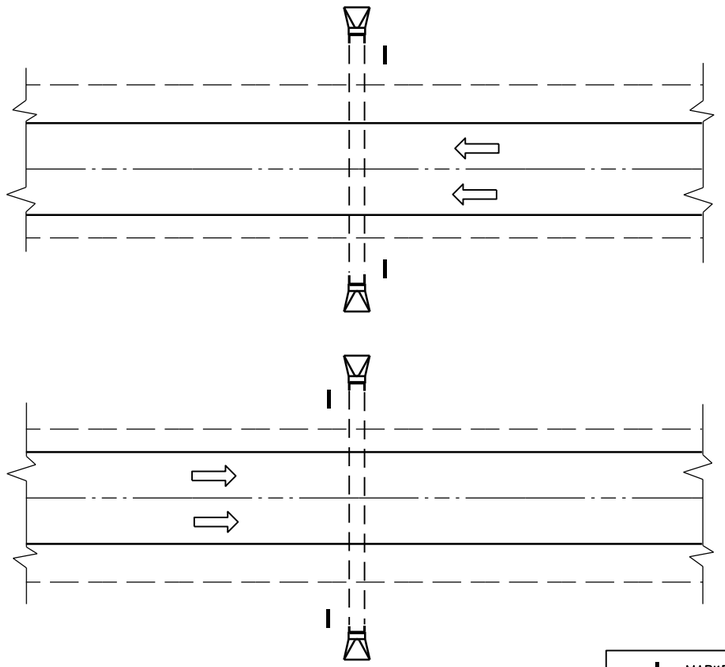
FLEXIBLE MARKER POST FOR RIGHT-OF-WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016 — DATE
/S/ Ray Kumapayi — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

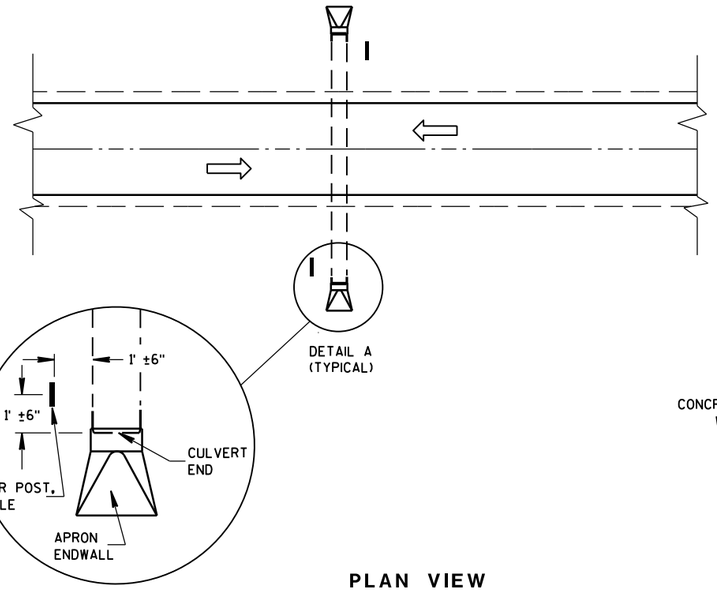
S.D.D. 15 A 1-13b

6



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

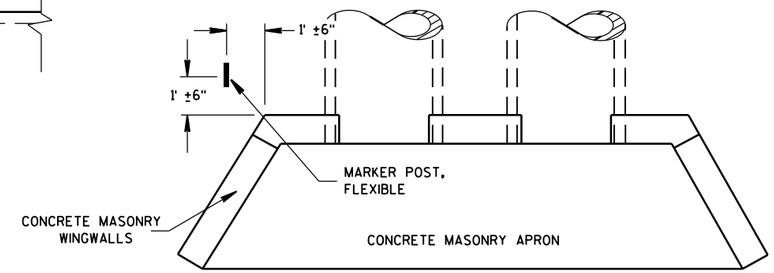
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

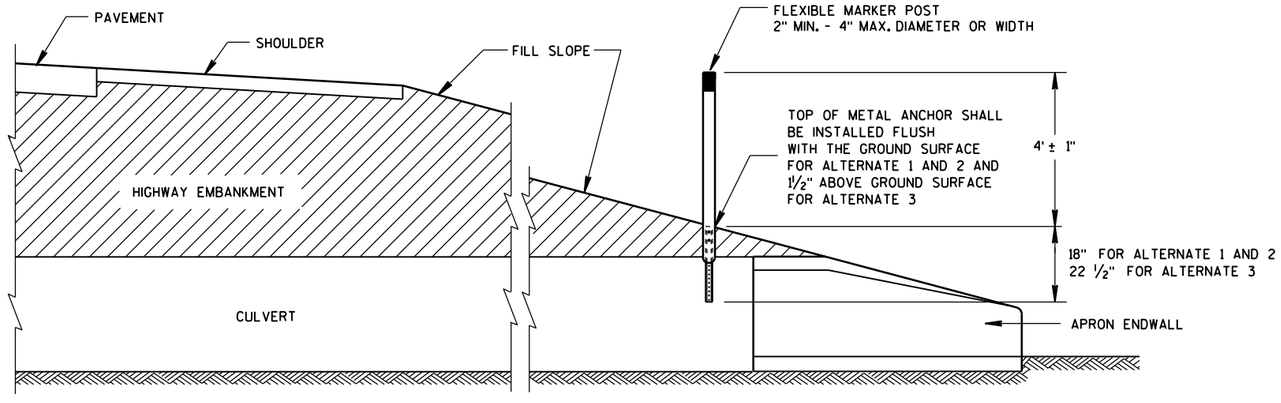
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

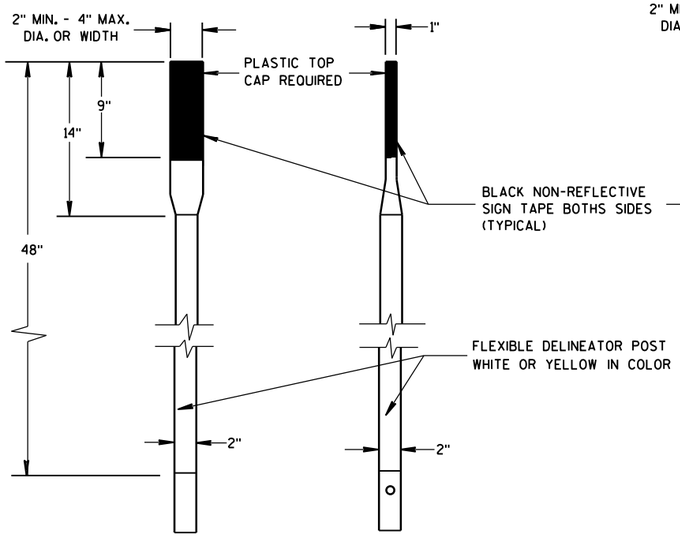
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

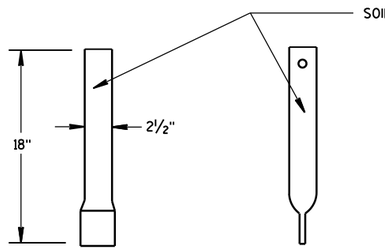
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S.D.D. 15 A 3-2a

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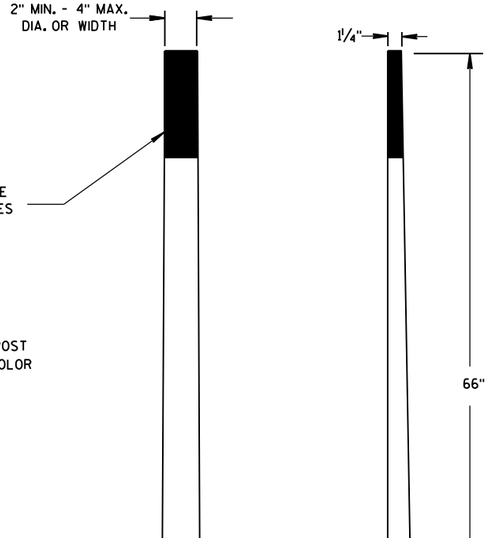
S.D.D. 15 A 3-2a





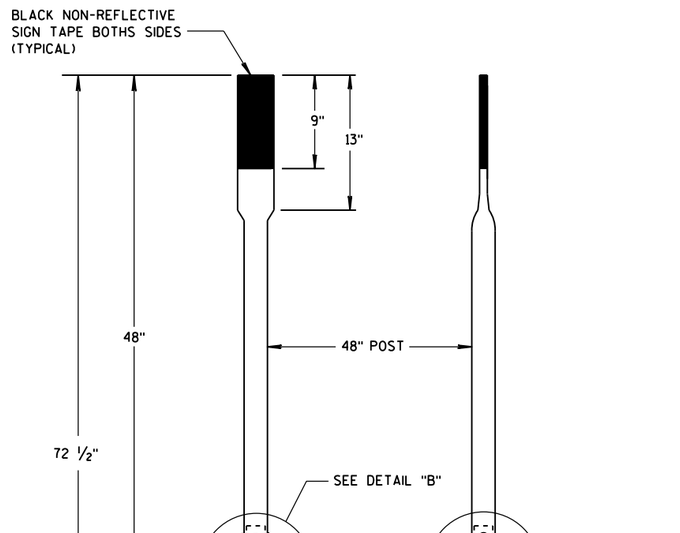
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

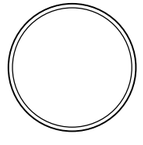
ALTERNATE 2



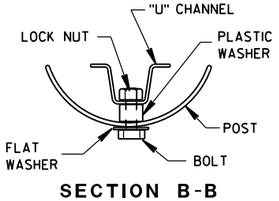
FRONT VIEW SIDE VIEW

ALTERNATE 3

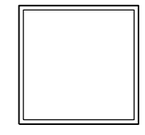
FLEXIBLE MARKER POSTS



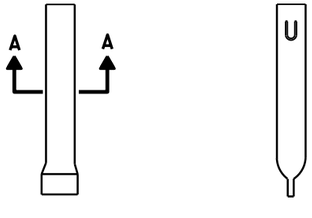
SECTION A-A



SECTION B-B

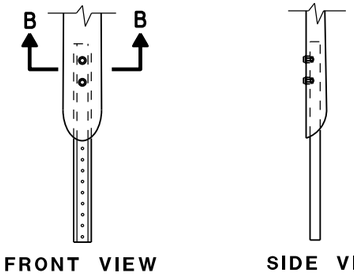


SECTION C-C



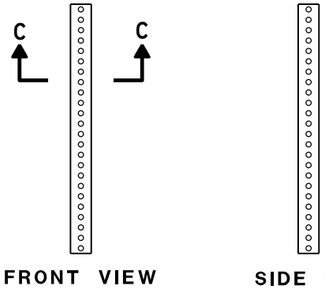
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

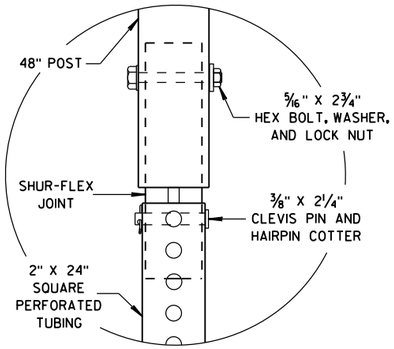
ALTERNATE 2



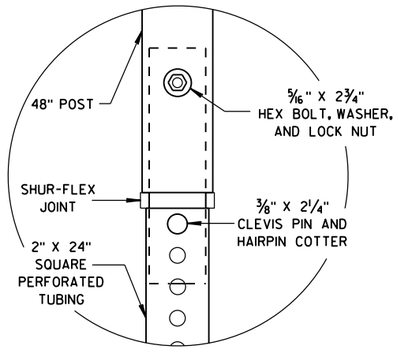
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

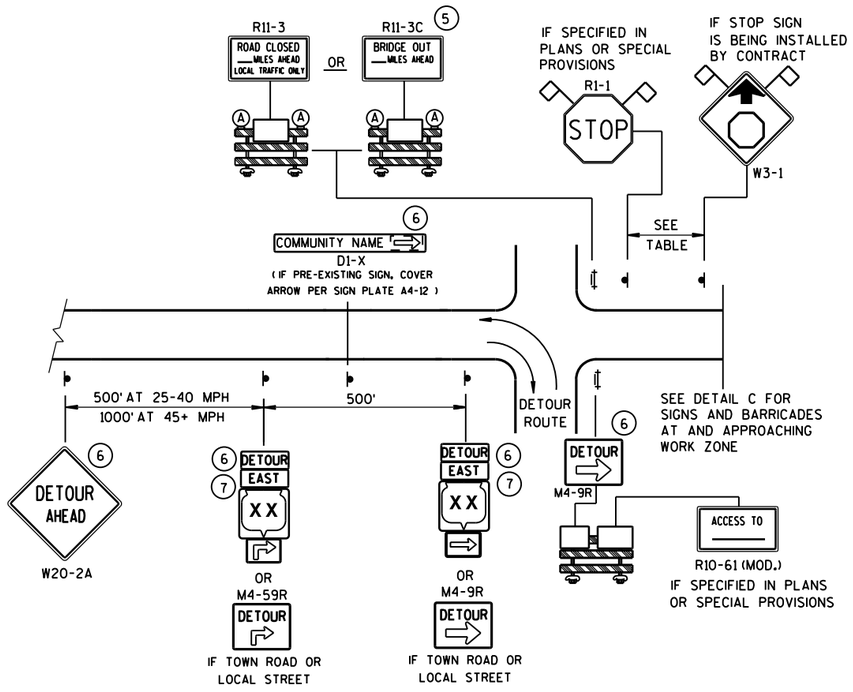
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

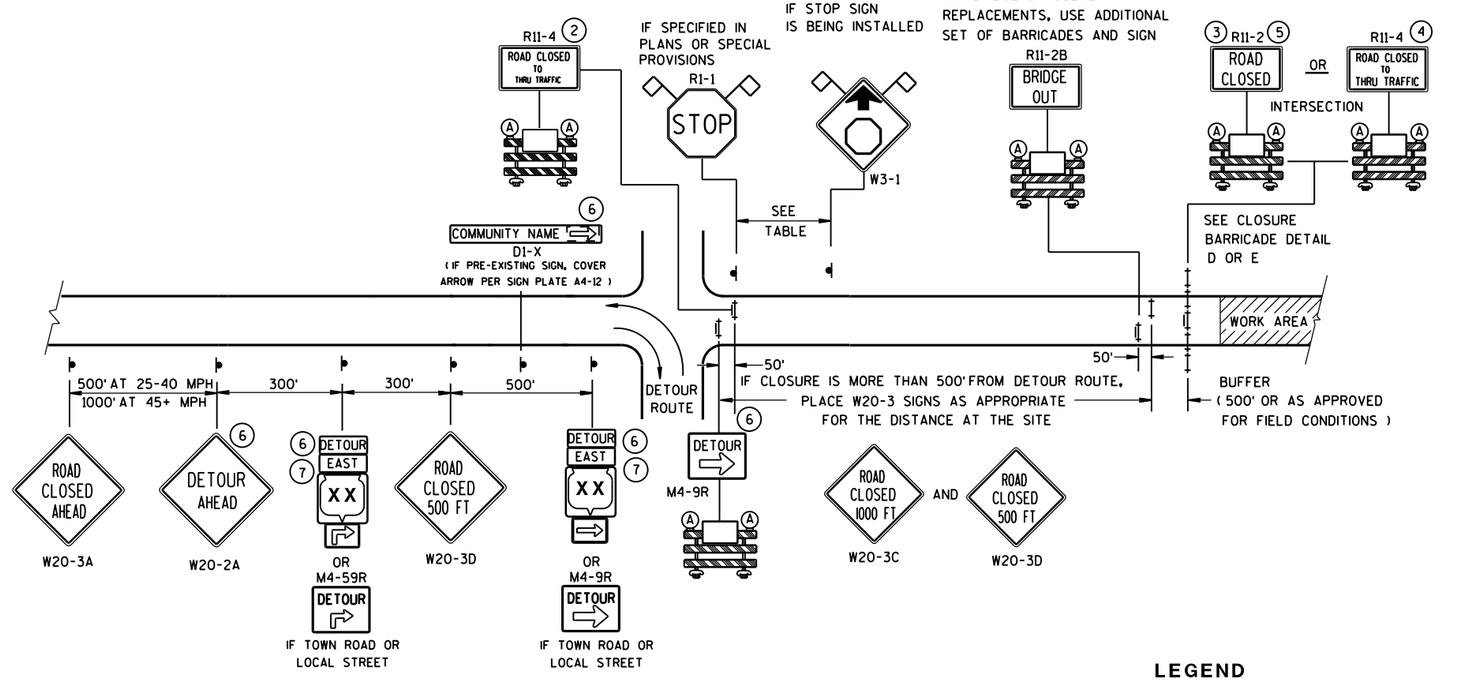
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S.D.D. 15 A 3-2b



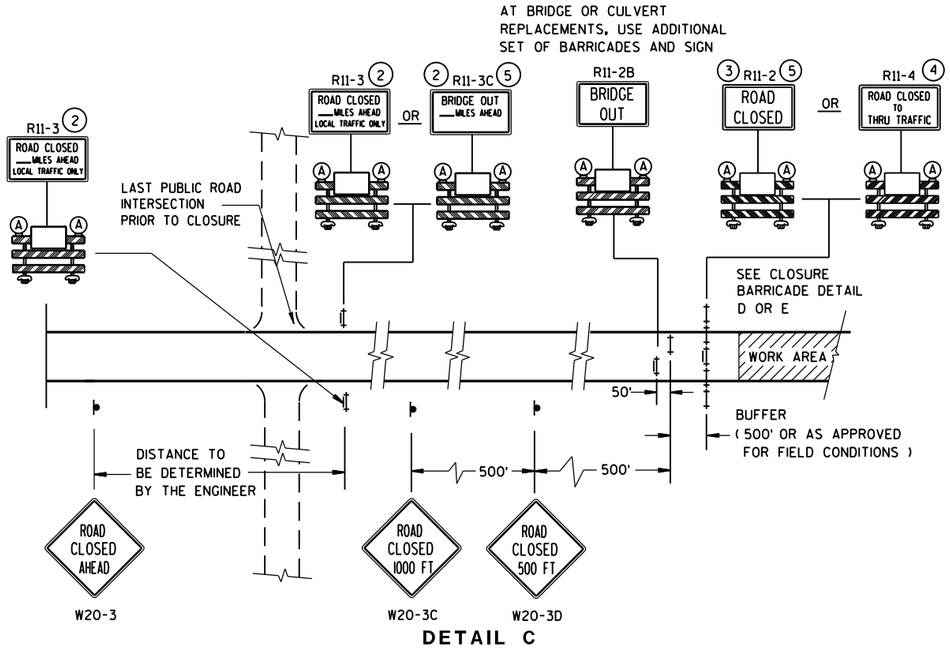
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS 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-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

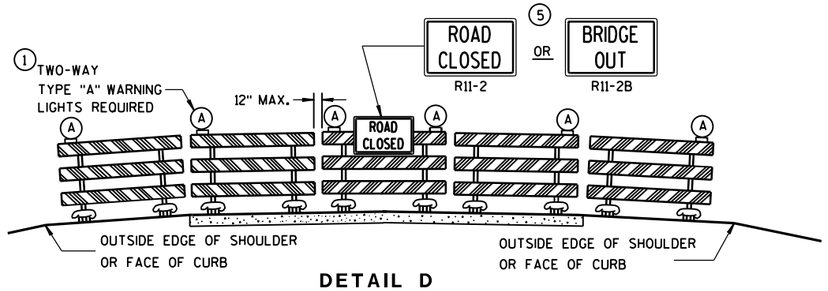
FHWA

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S.D.D. 15 C 2-6a

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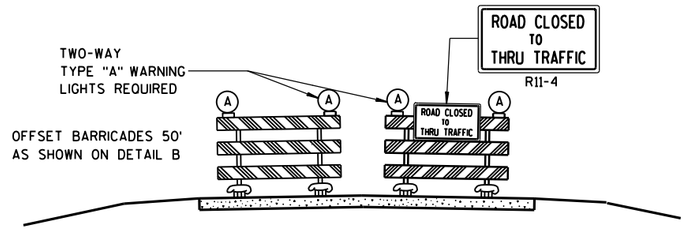
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" 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.

"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 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- 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

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI

FHWA

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S.D.D. 15 C 2-6b

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S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

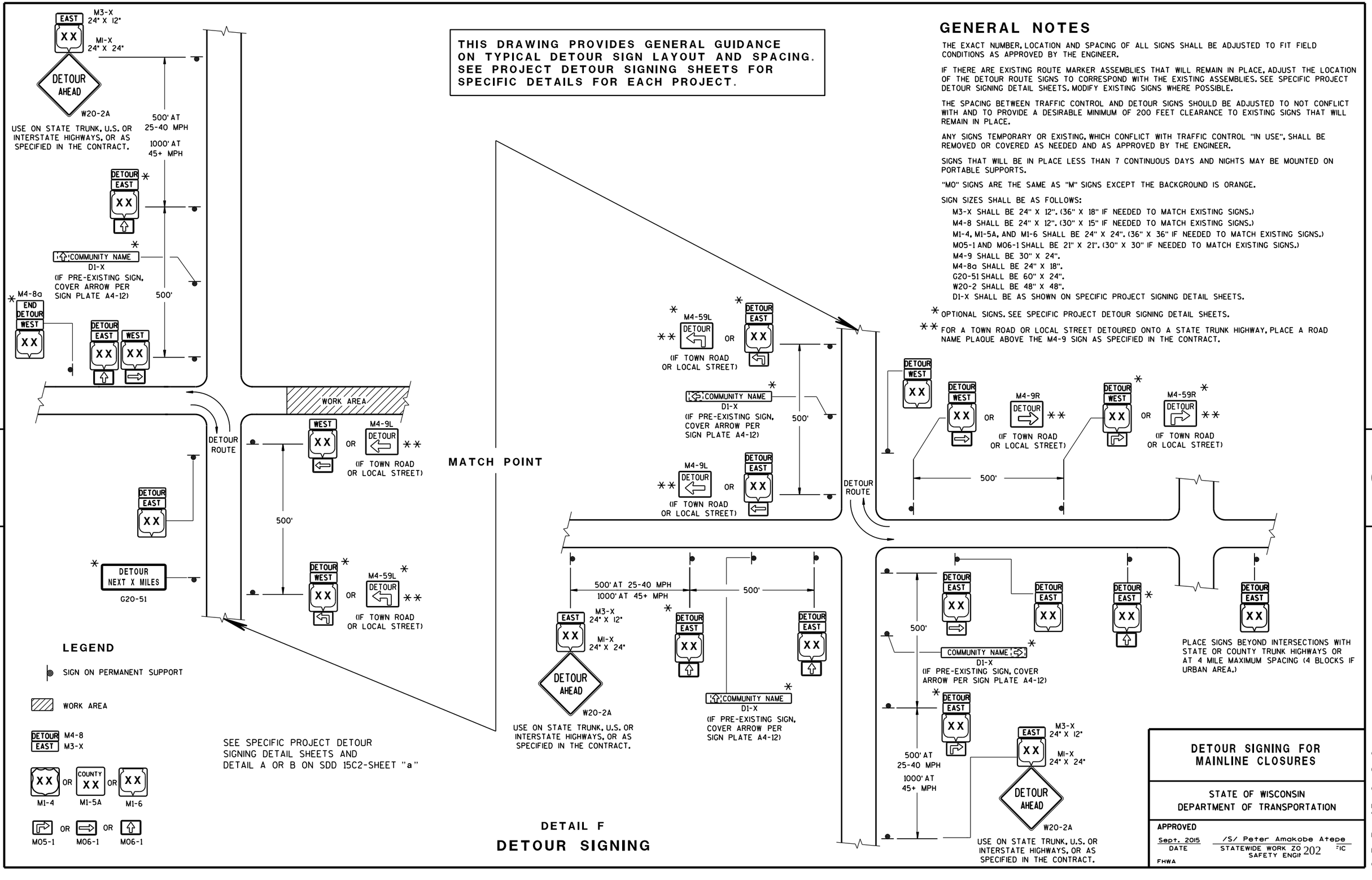
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- M05-1 OR M06-1 OR M06-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

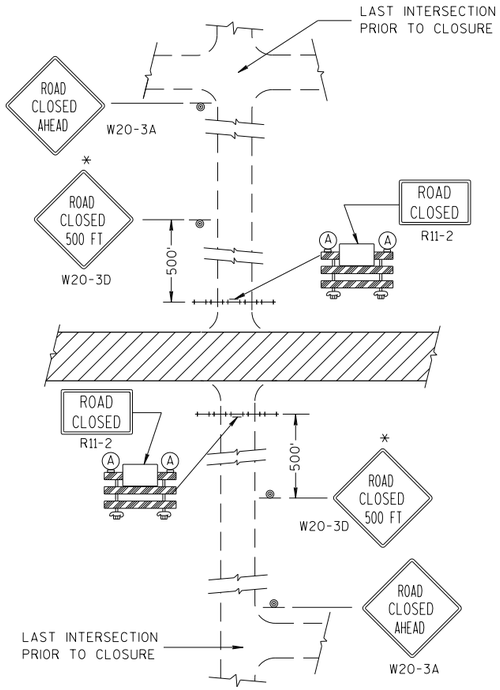
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI...

FHWA

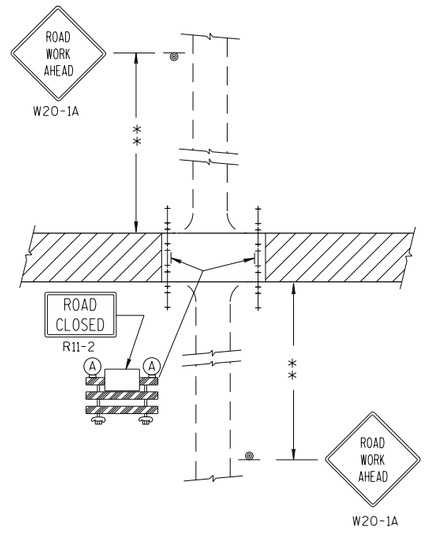
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



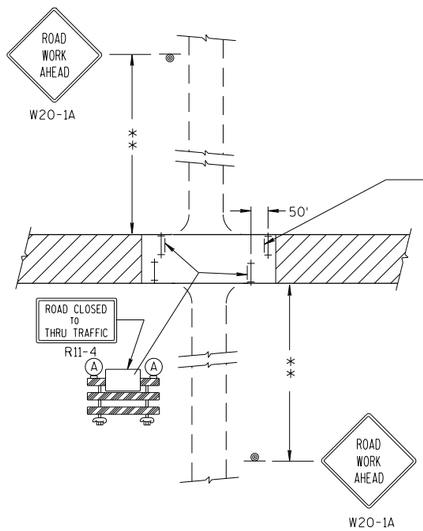
DETAIL 1

(NO ACCESS TO PROJECT)



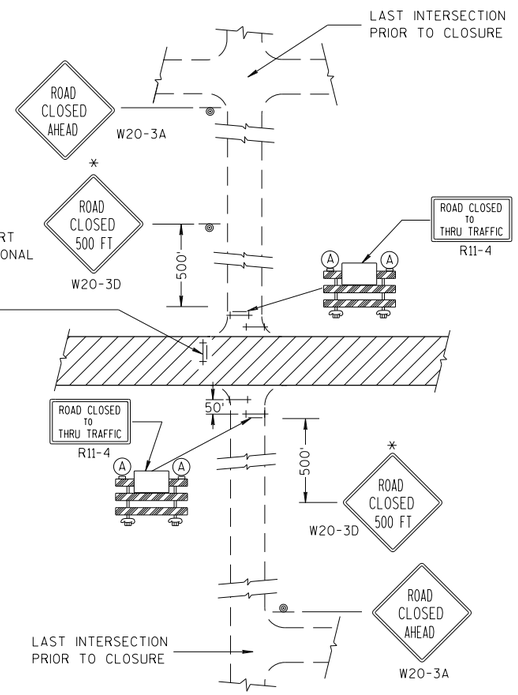
DETAIL 2

(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.

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

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGI

FHWA

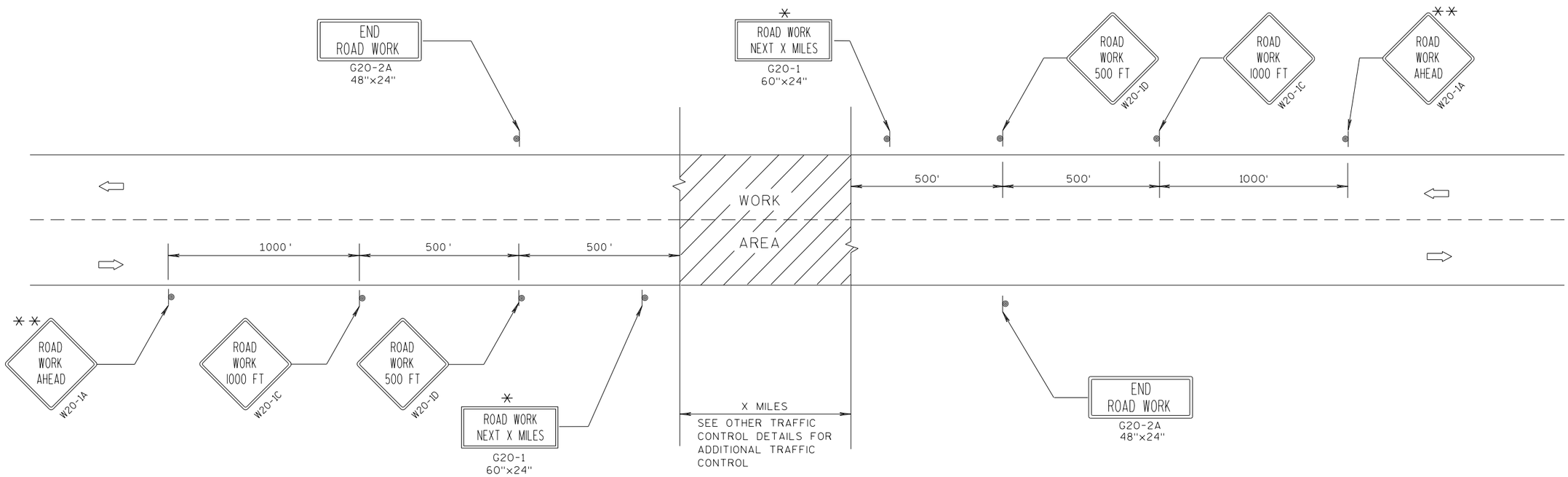
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S.D.D. 15 C 3-5

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S.D.D. 15 C 3-5

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

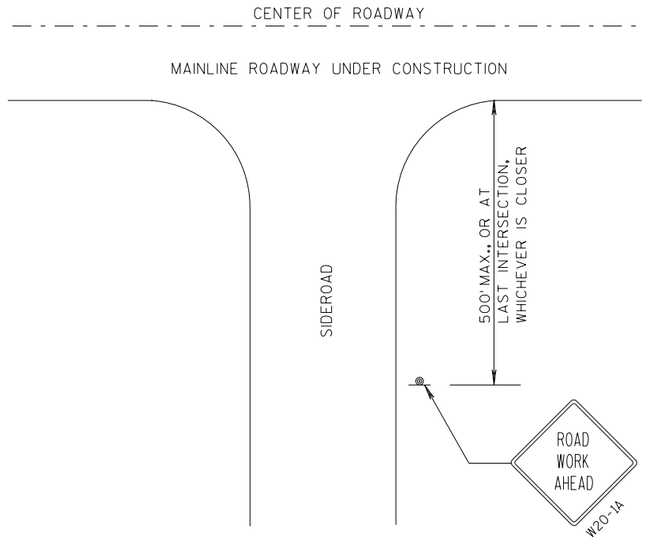
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

✳ OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

✳✳ PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENGI

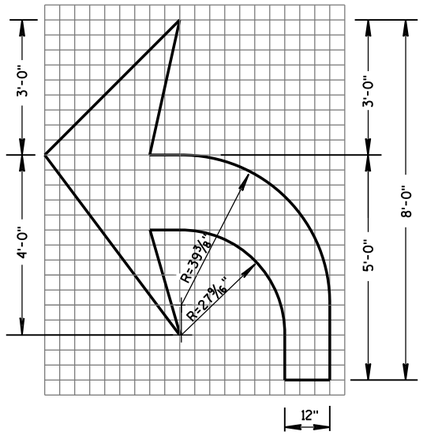
FHWA

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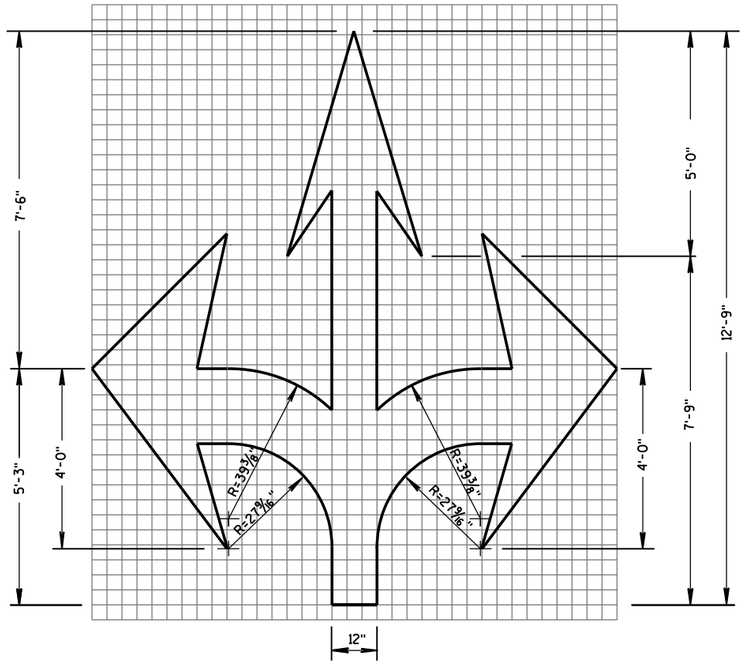
S.D.D. 15 C 4-5

GENERAL NOTES

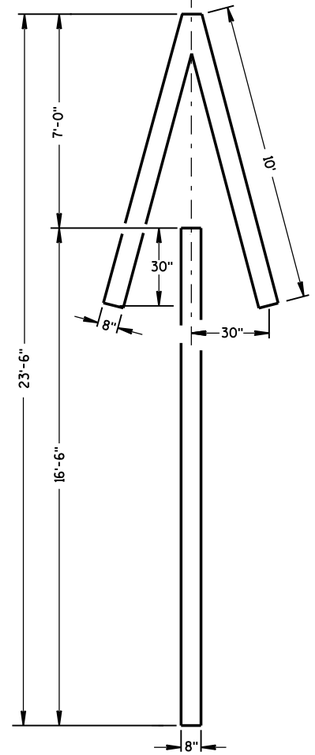
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



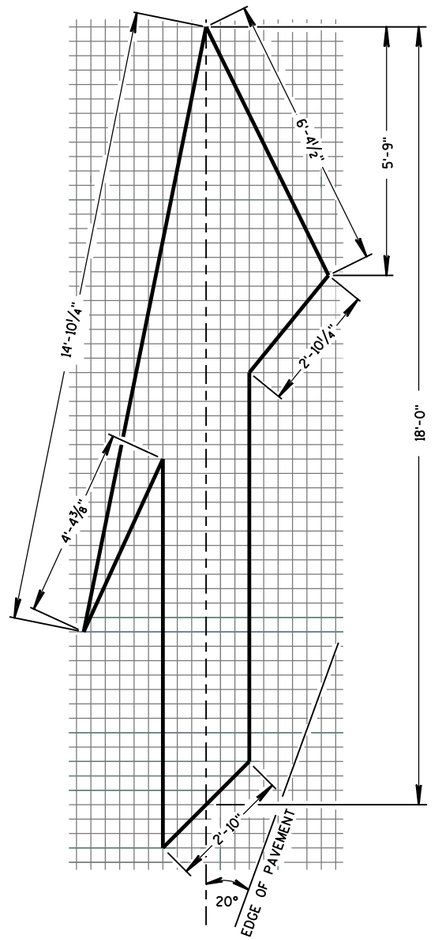
TYPE 2



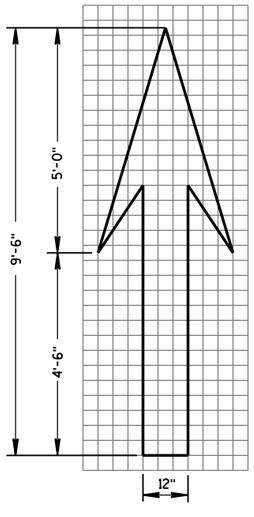
TYPE 6



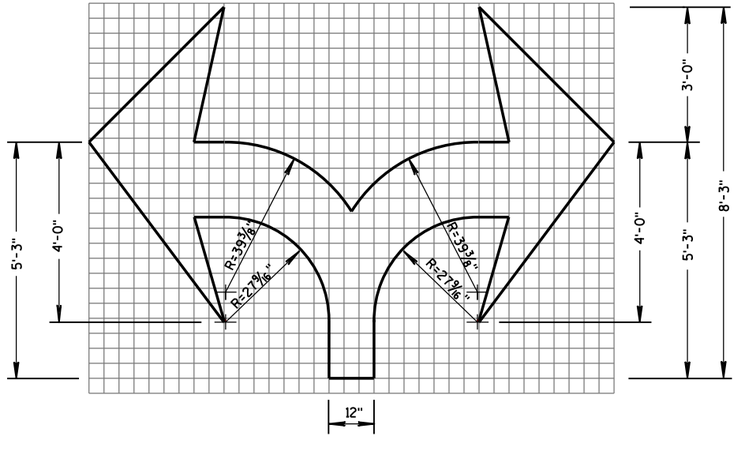
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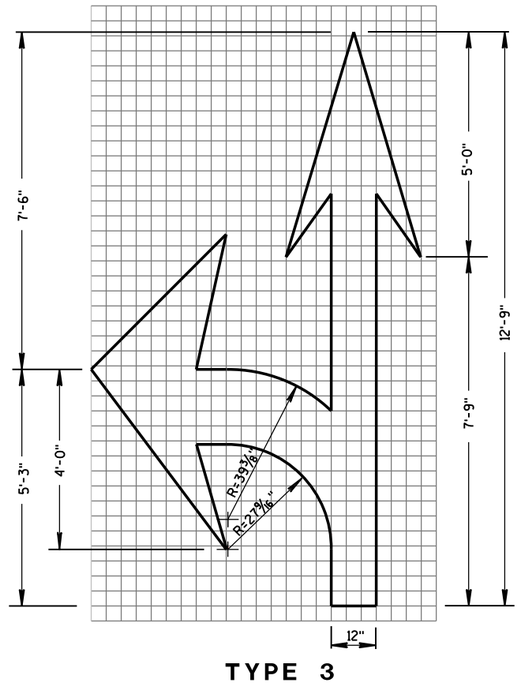
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

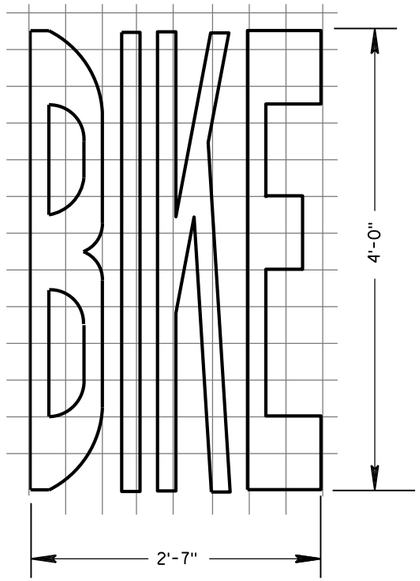
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

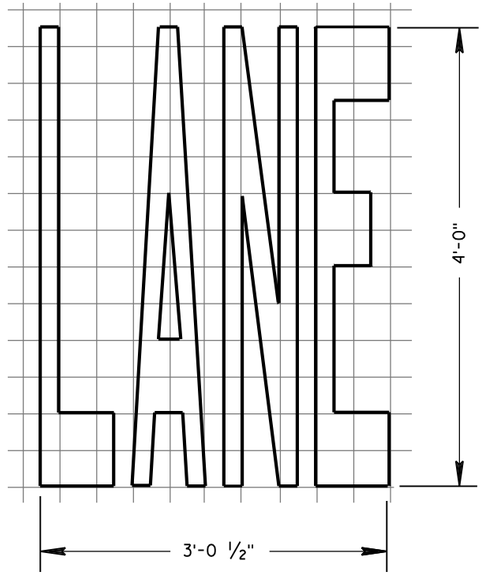
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S.D.D. 15 C 7-14c

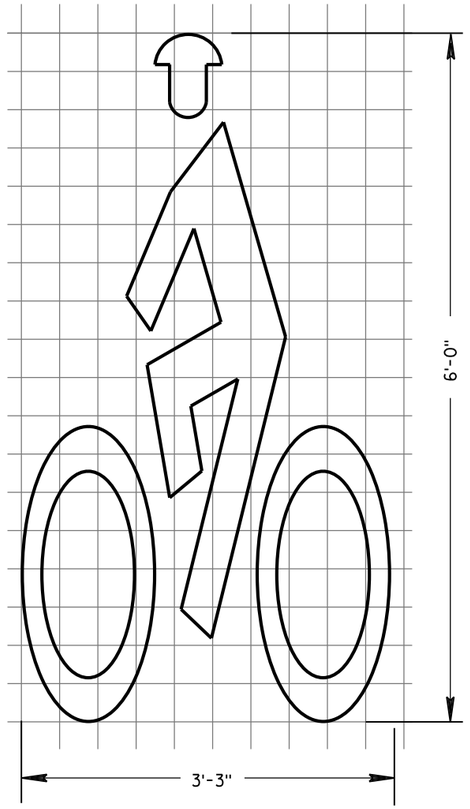
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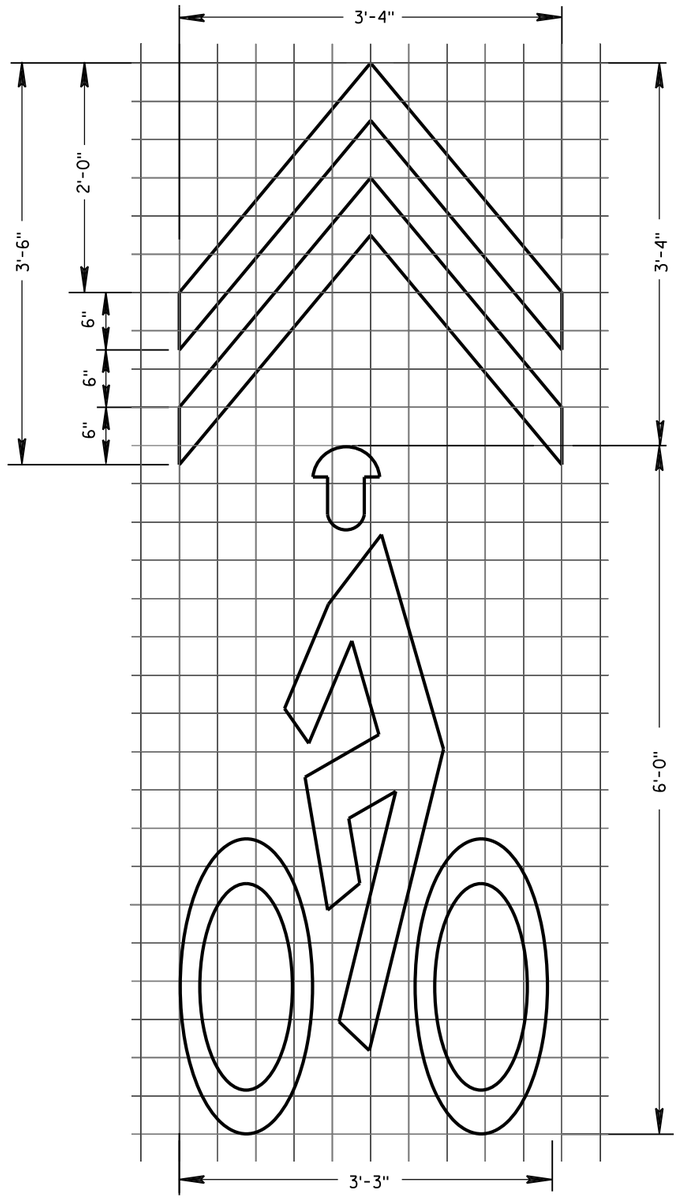




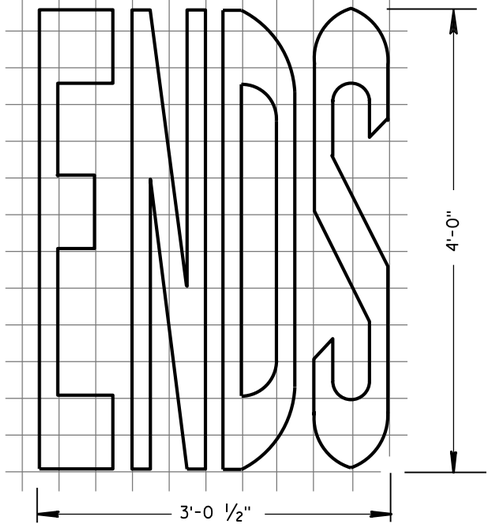
BIKE LANE WORDS



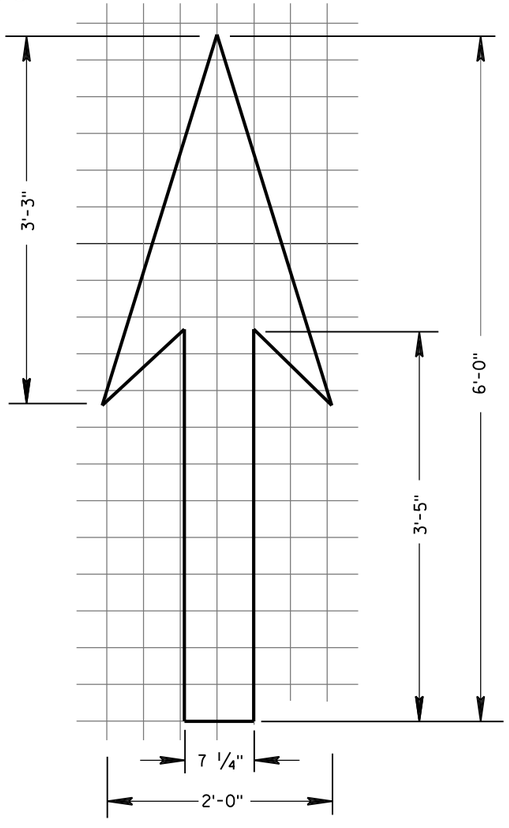
BIKE LANE SYMBOL



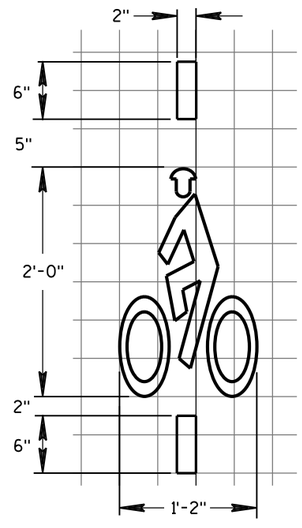
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

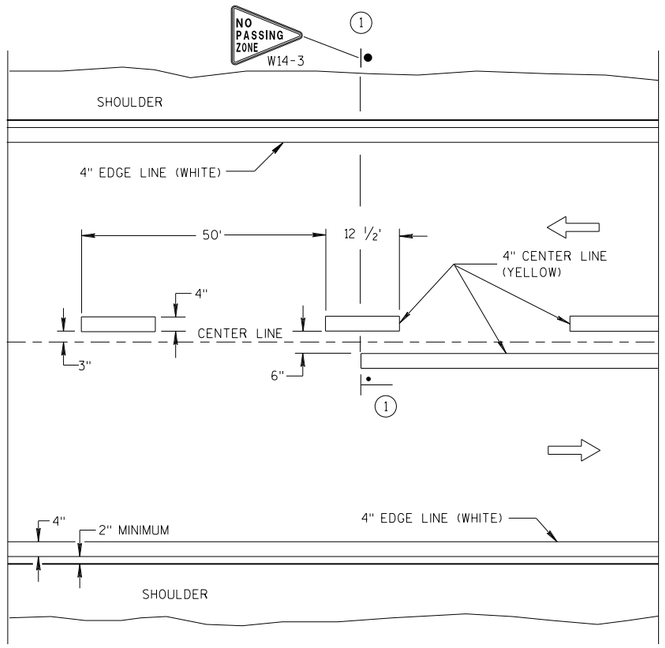
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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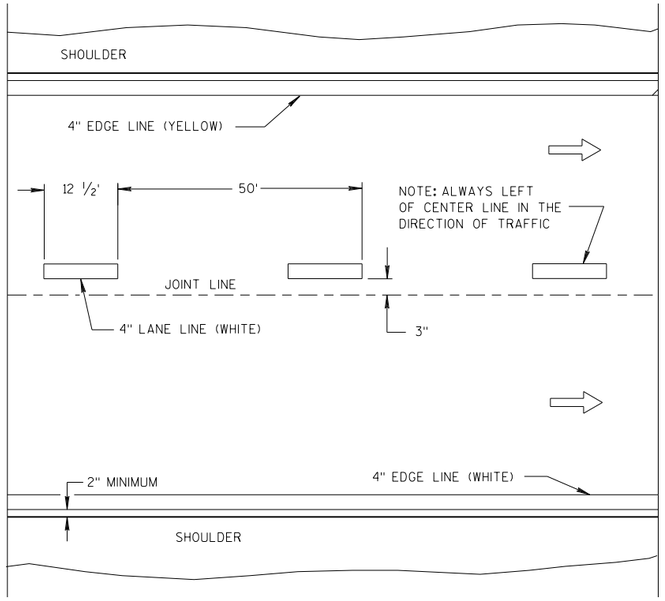
S.D.D. 15 C 7-14e

6

S.D.D. 15 C 7-14e



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) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

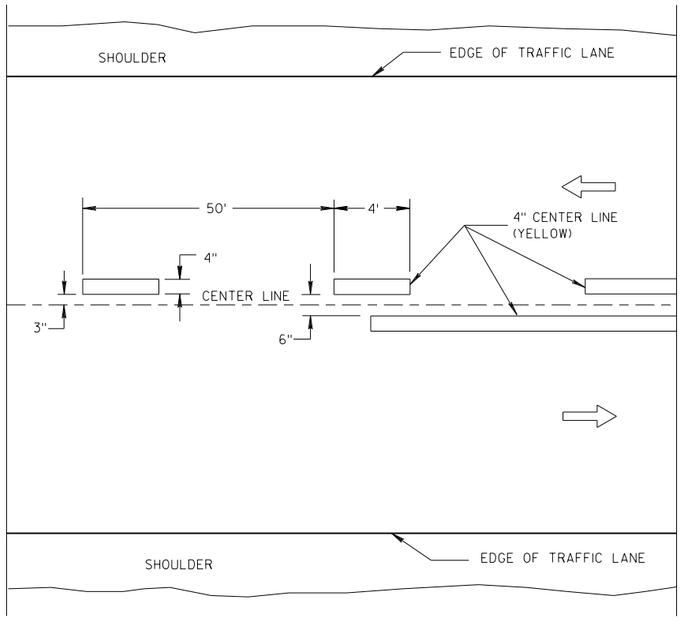
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

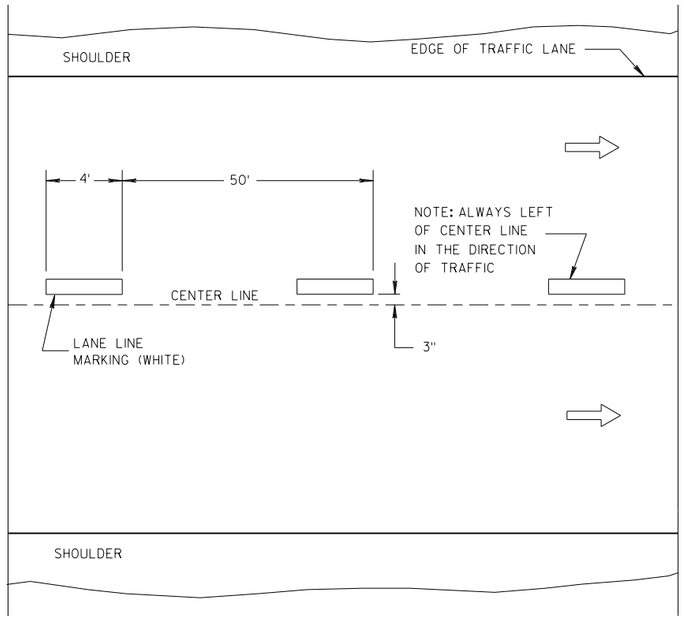
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

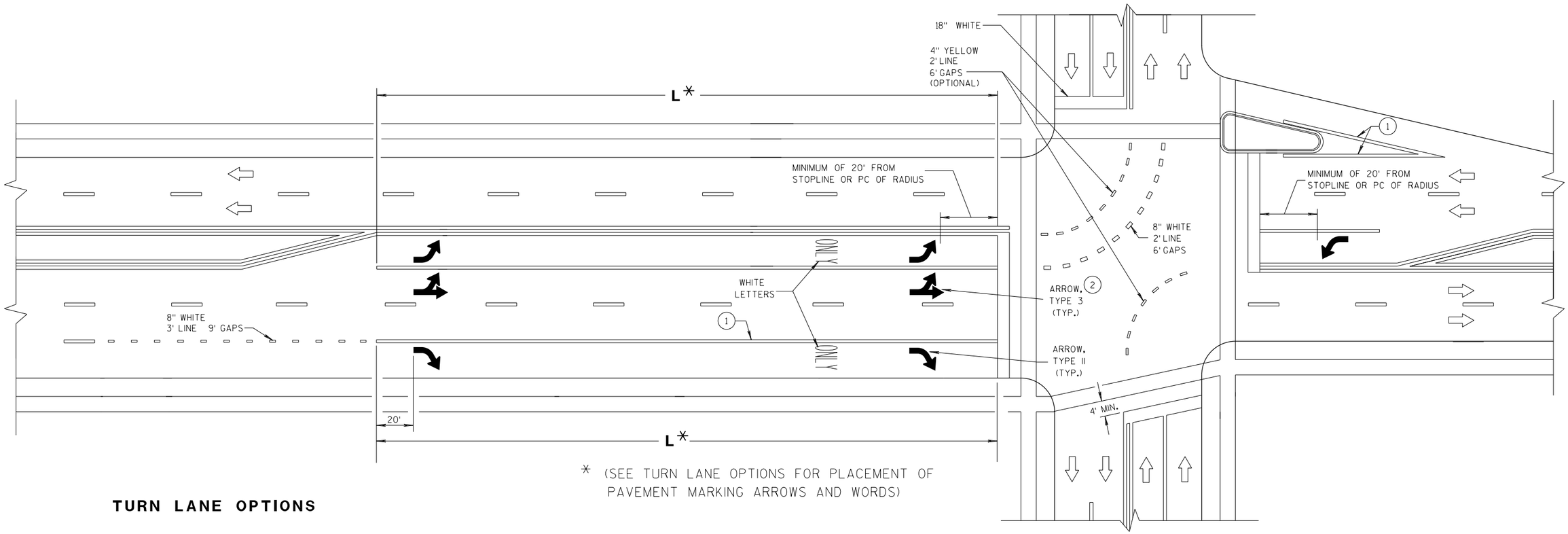
FHWA

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S.D.D. 15 C 8-19a

6

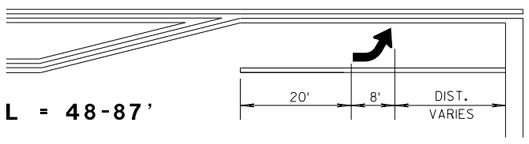
S.D.D. 15 C 8-19a



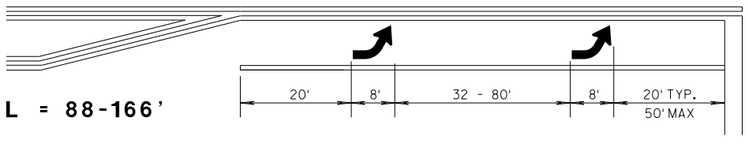
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

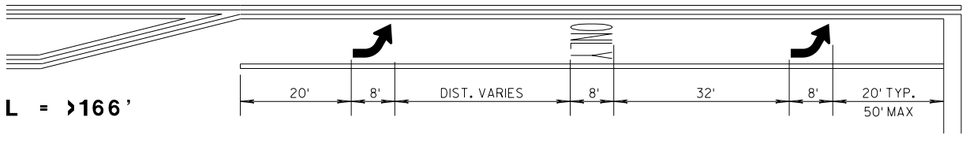
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

(1) 8" WHITE

(2) QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

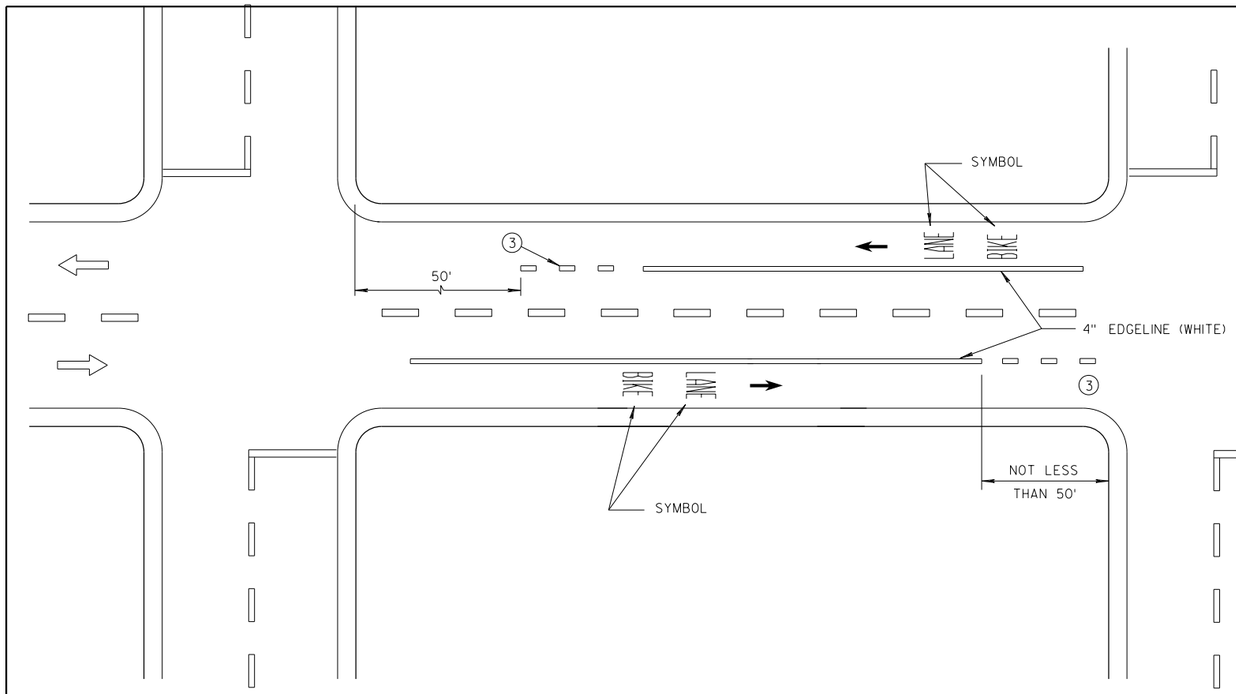
L = LENGTH OF TURN BAY

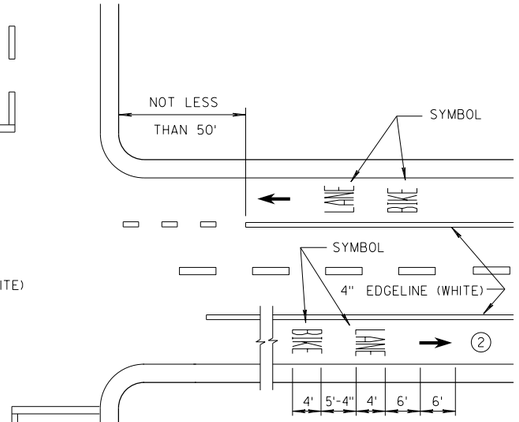
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

6

S.D.D. 15 C 8-19c



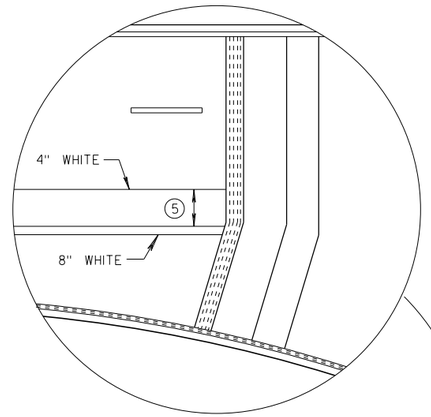


DESIGNATED BICYCLE LANE
NO PARKING

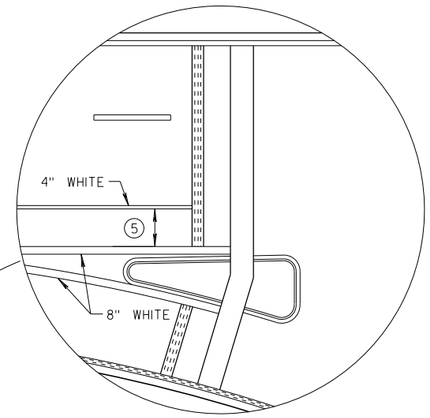
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET 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. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

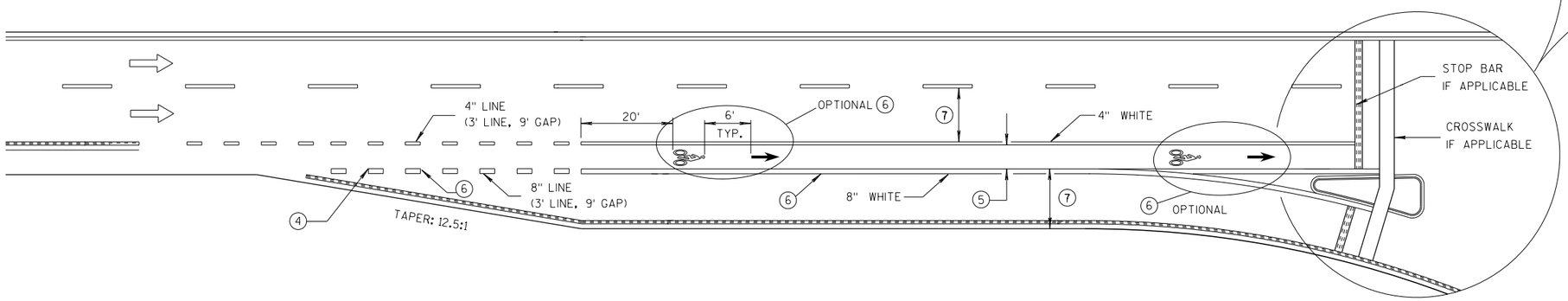
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 209 NEER

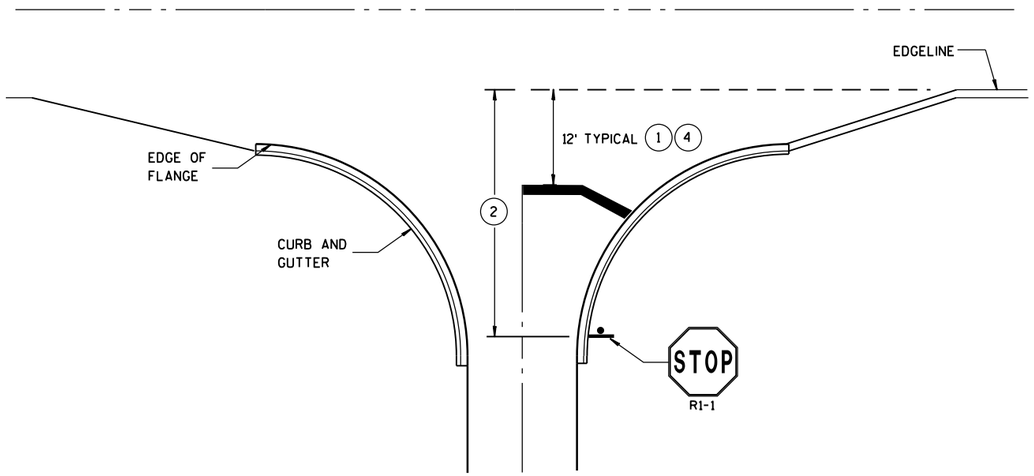
FHWA

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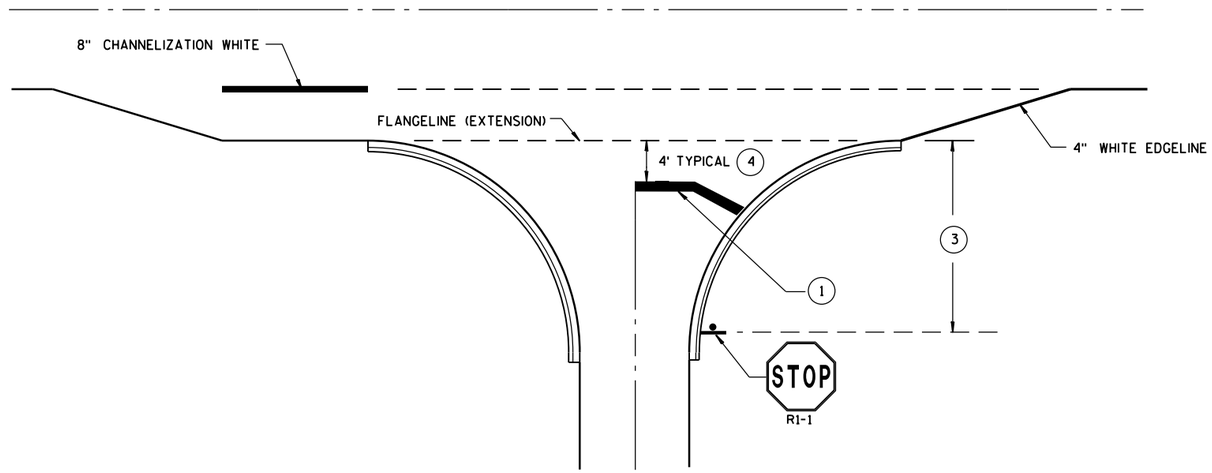
S.D.D. 15 C 29-6a

6

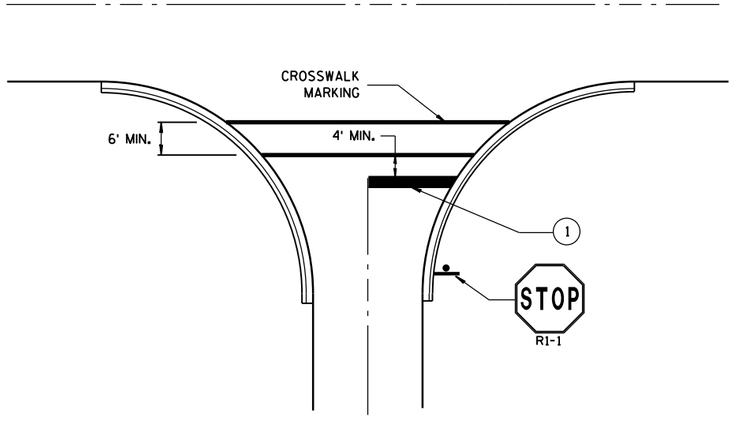
S.D.D. 15 C 29-6a



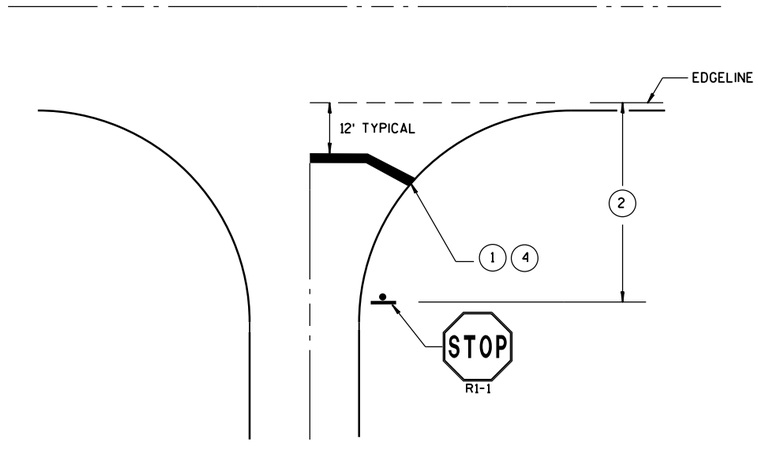
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

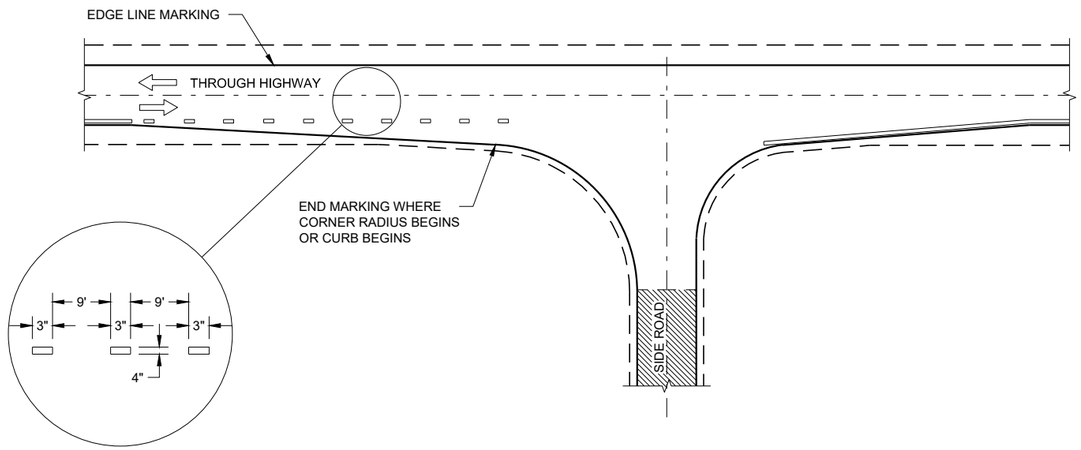
Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

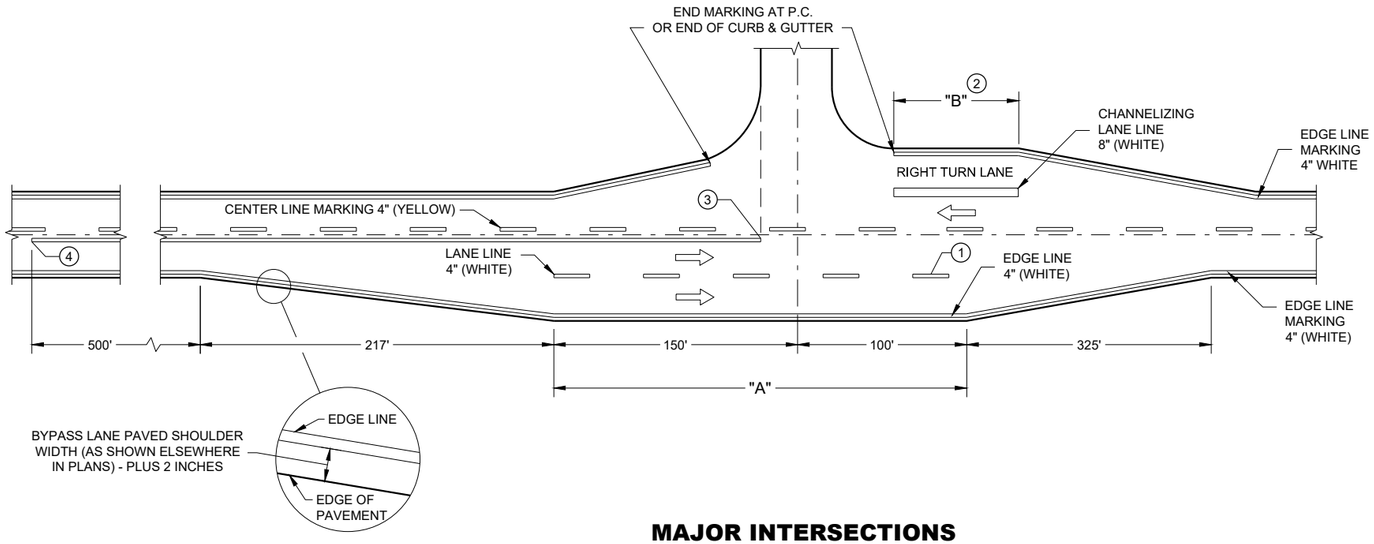
FHWA

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S.D.D. 15 C 33-3



MINOR INTERSECTION



MAJOR INTERSECTIONS

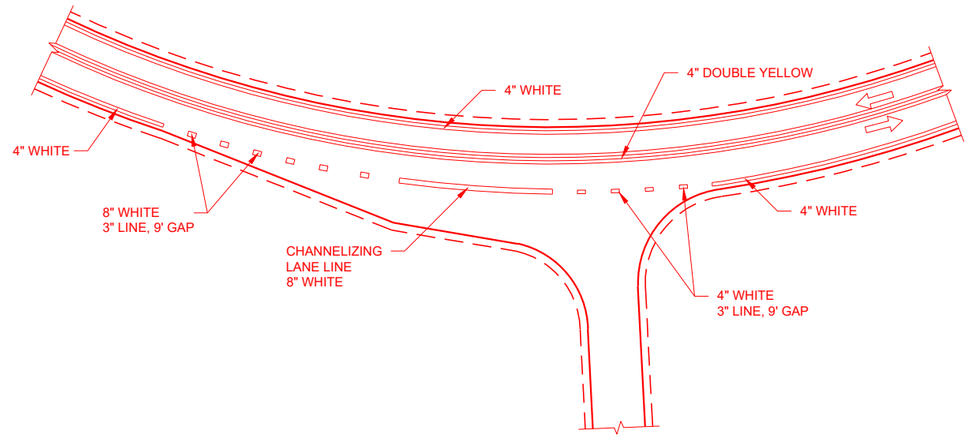
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES 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. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

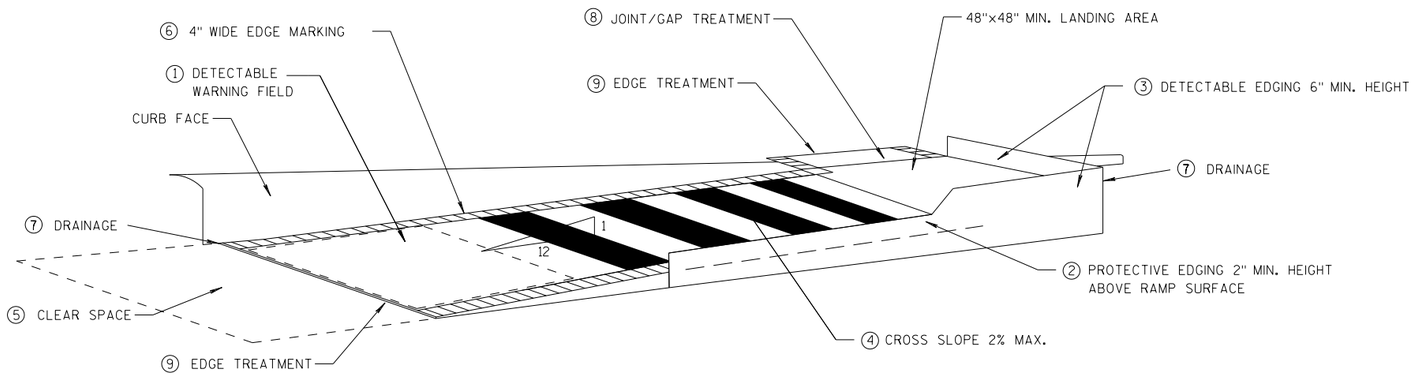
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 03a

6

SDD 15C35 - 03a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

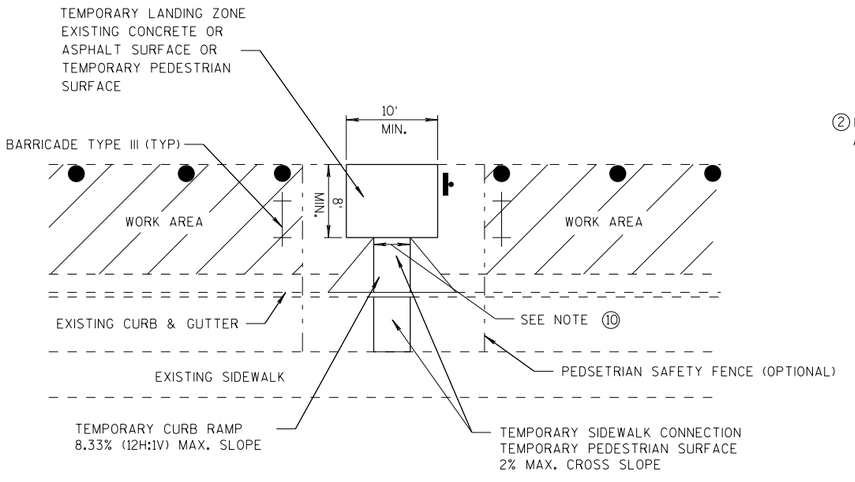
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

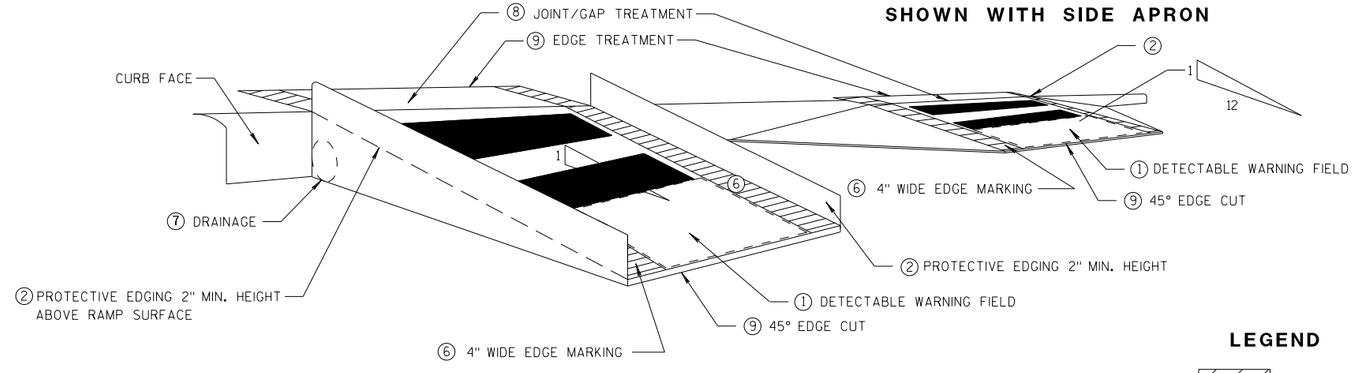
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Andrew Heidtke
WORK ZONE ENG

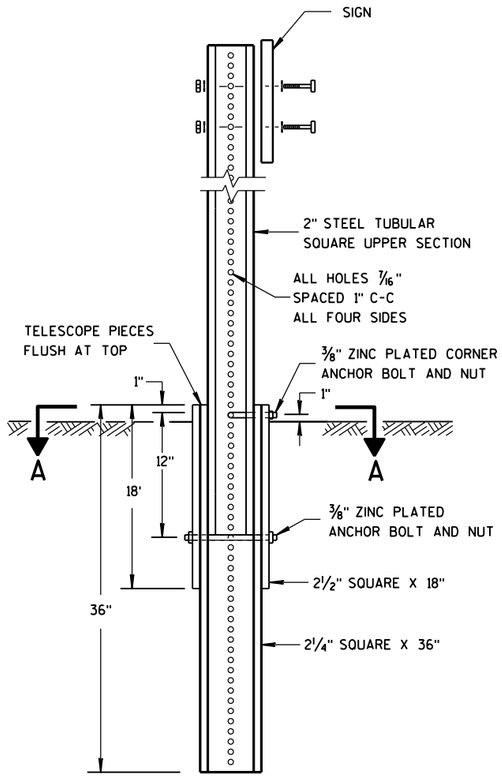
FHWA

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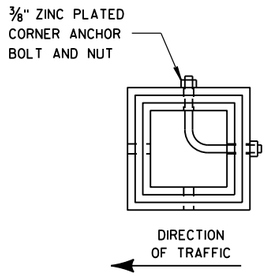
S.D.D. 15 D 30-4b

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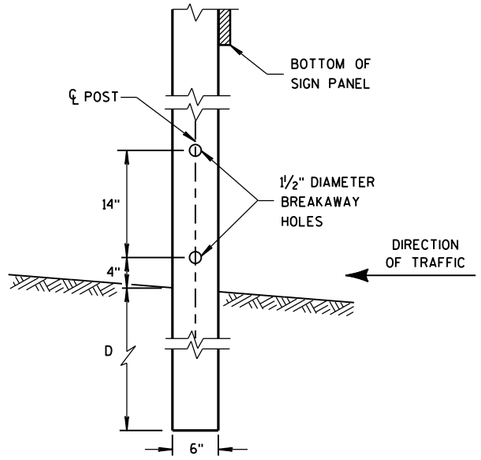
S.D.D. 15 D 30-4b



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



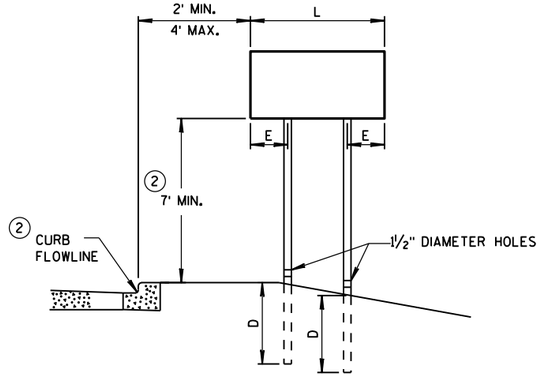
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

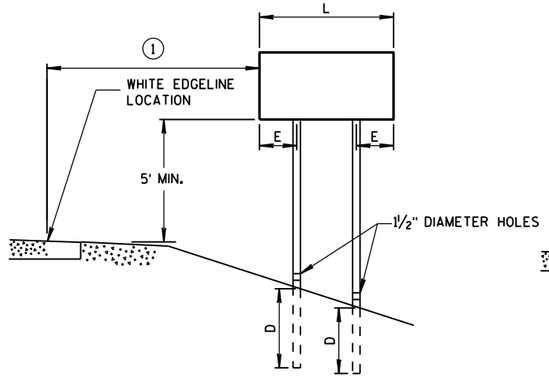
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

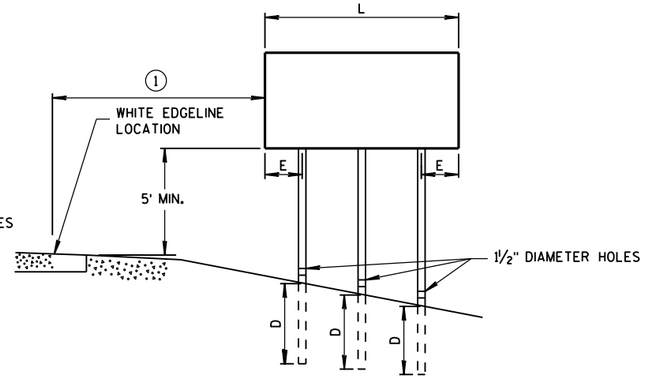
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

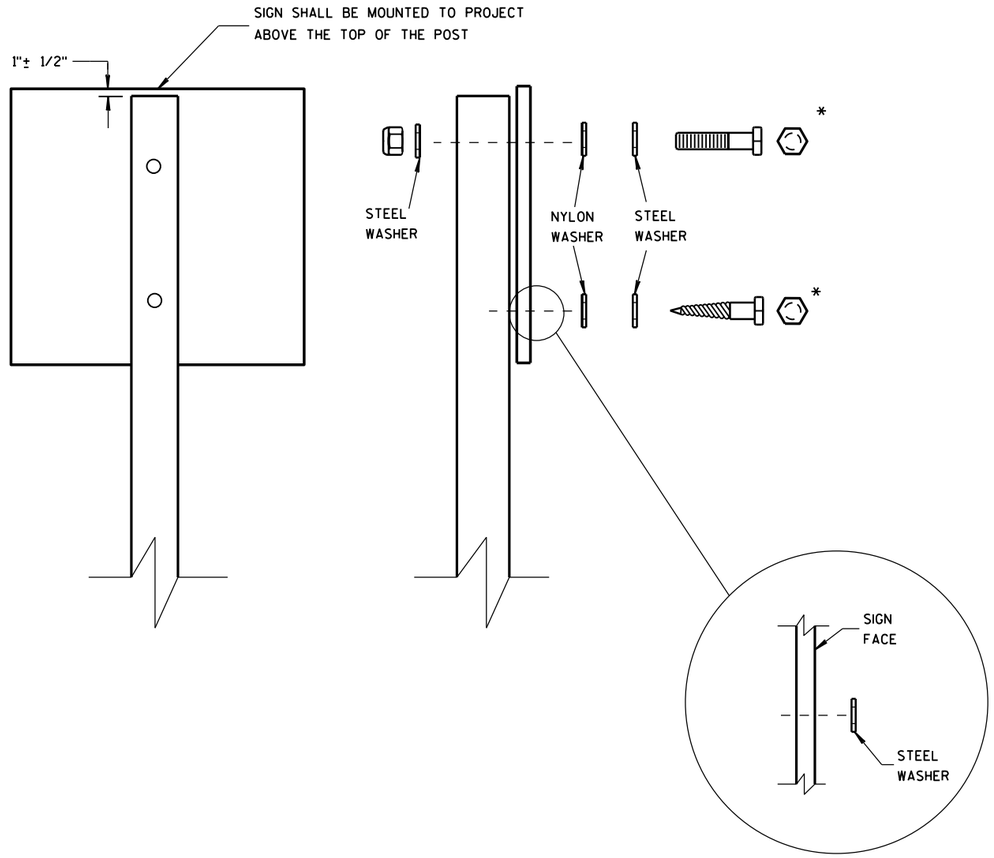
POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

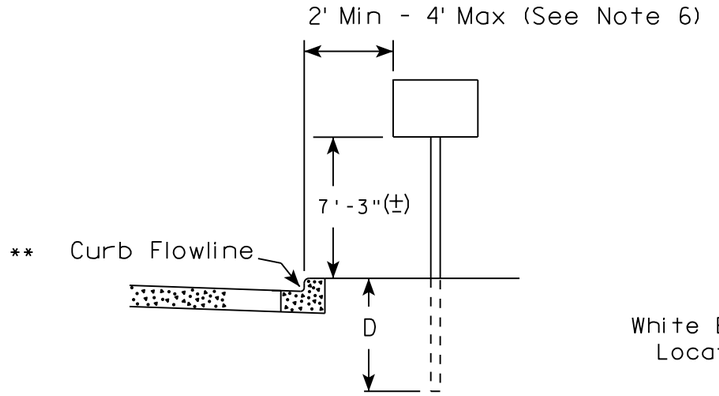
APPROVED

June 2017
DATE

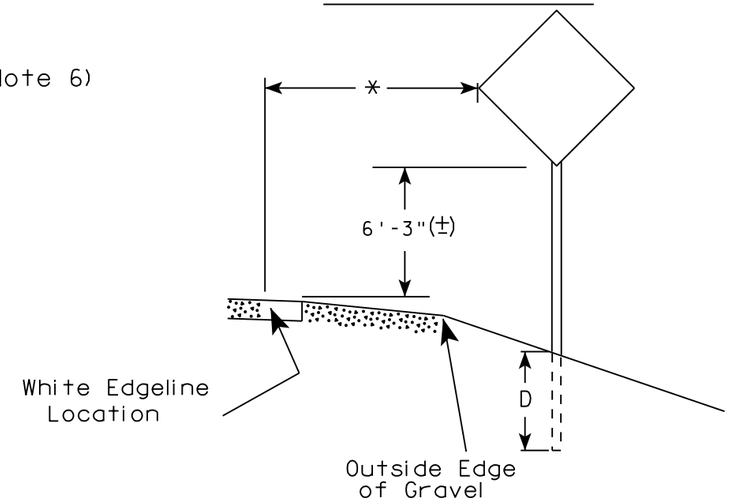
/S/ Andrew Heldtke
WORK ZONE ENG

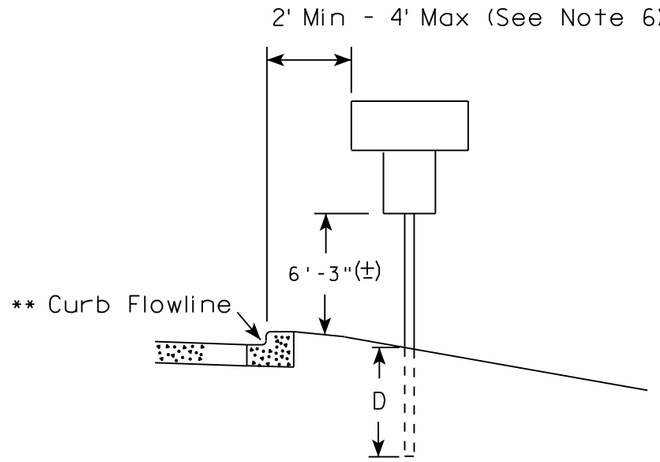
FHWA

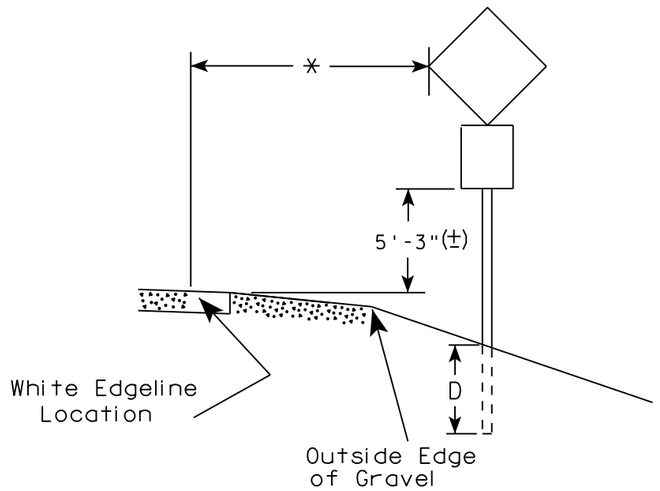
URBAN AREA



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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, 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. J-Assemblies are considered to be one sign for mounting height.
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 signs shall be mounted at a height of 5'-3" (±) or as directd 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), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

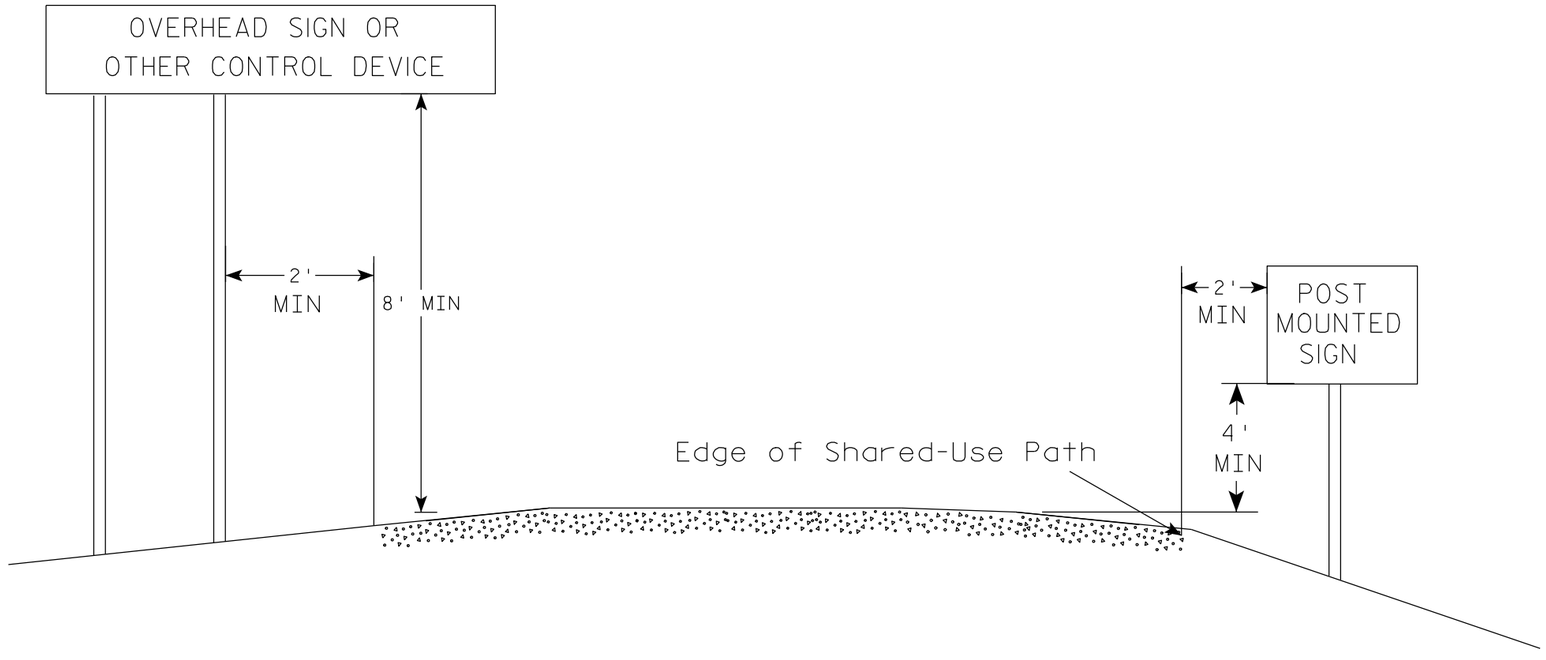
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

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. Offset distance shall be consistent with existing signs or consistent throughout length of project.



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 MULTI USE PATHS

WISCONSIN DEPT OF TRANSPORTATION

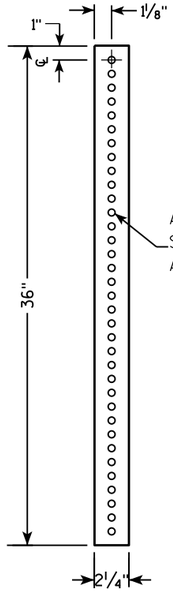
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2012 PLATE NO. A4-3S.1

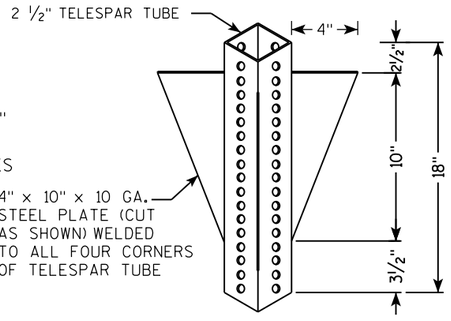
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 216	E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

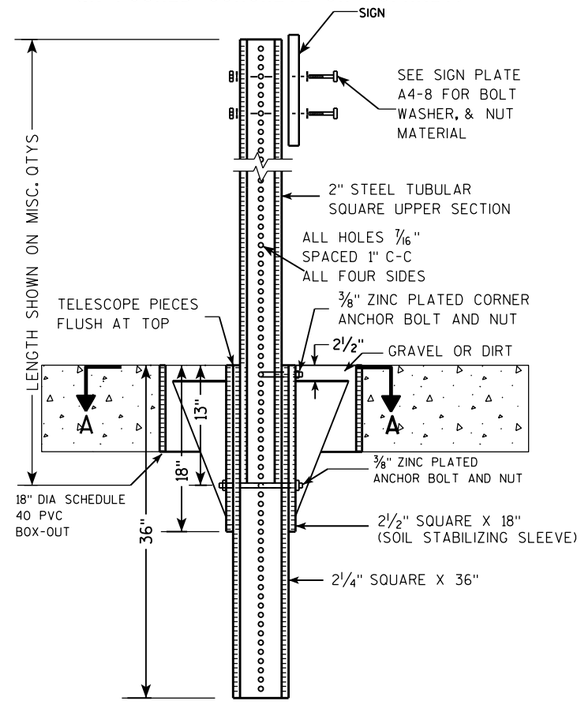
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



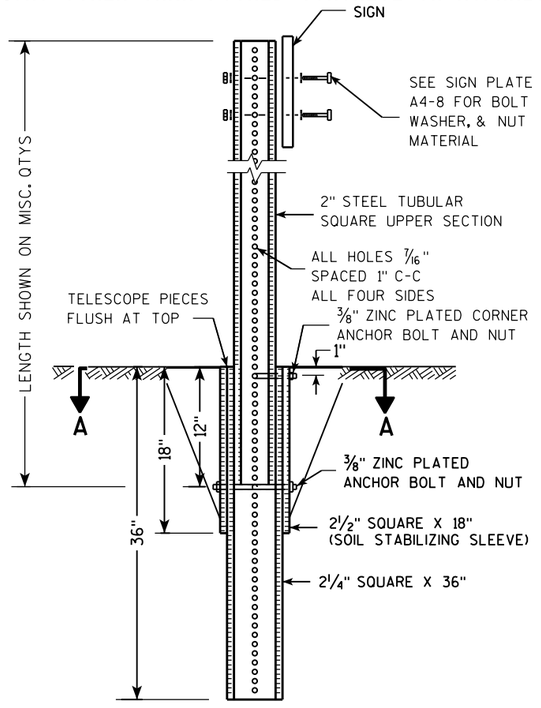
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

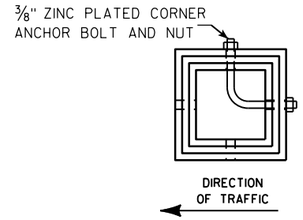


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





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).

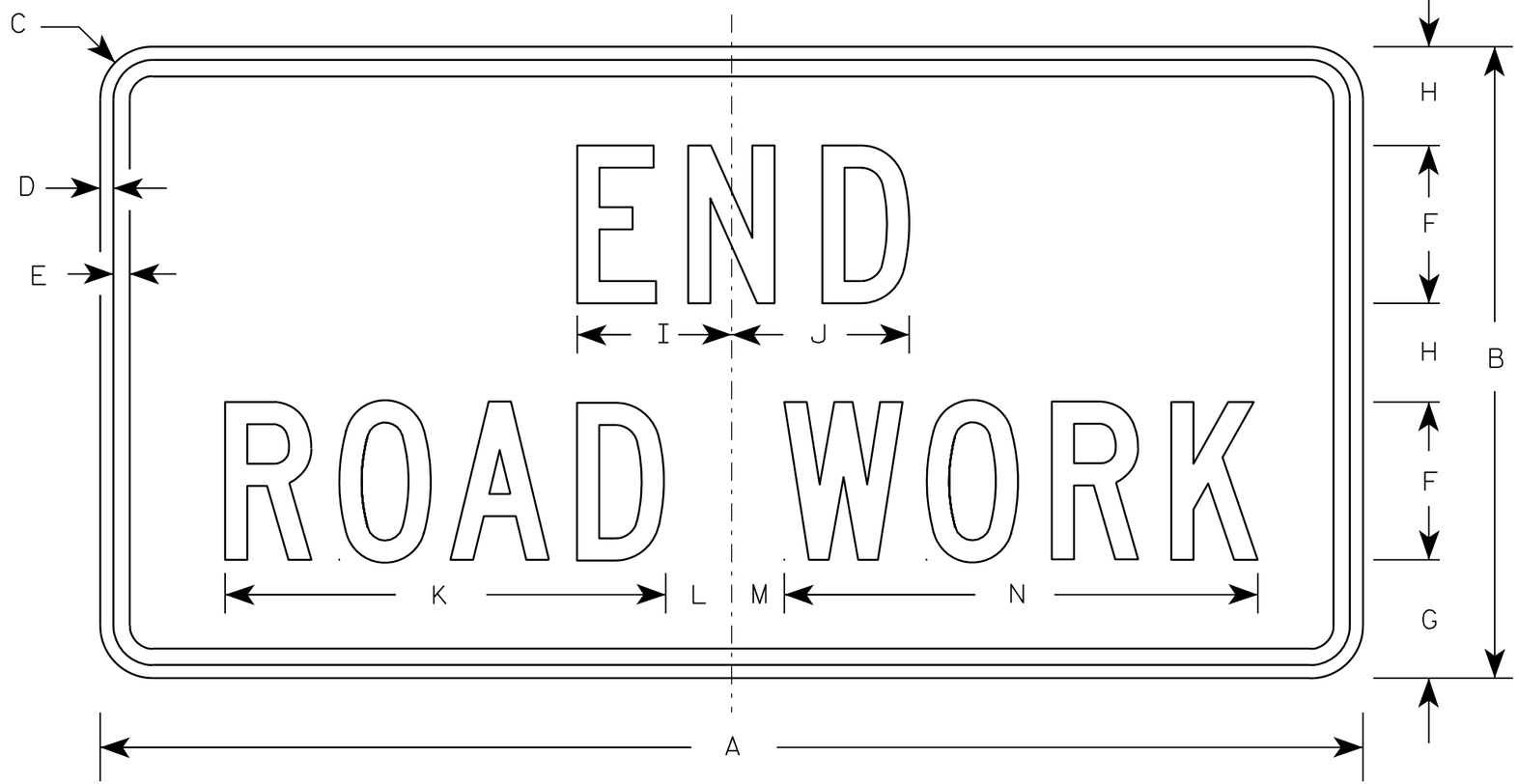
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 217 A4-9.9

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO:	E



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

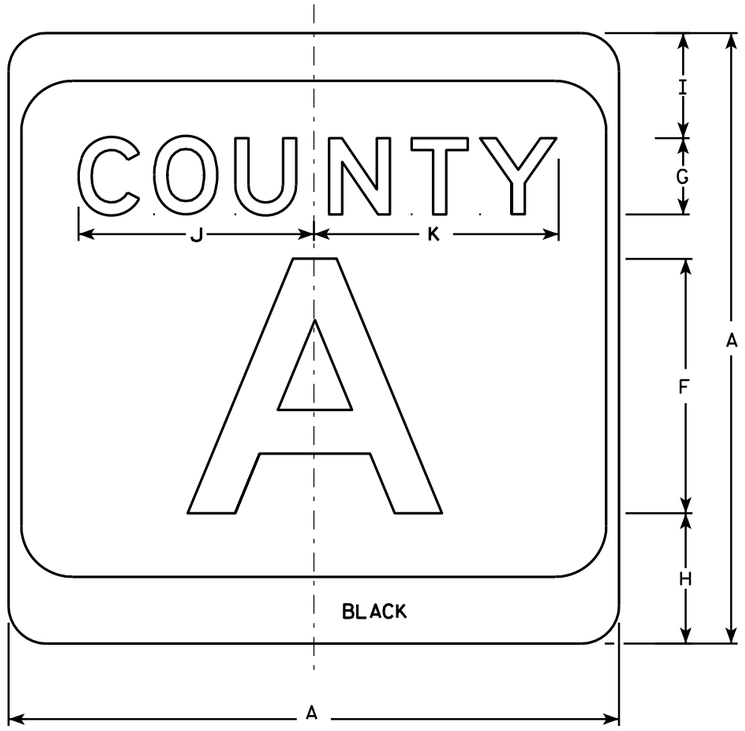
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

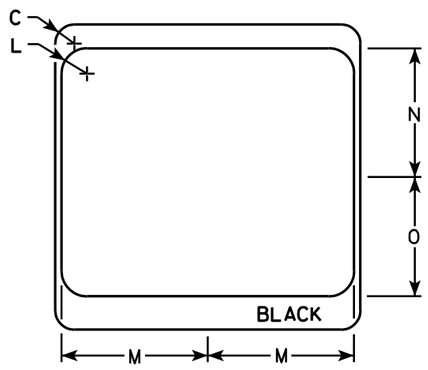
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 218	E

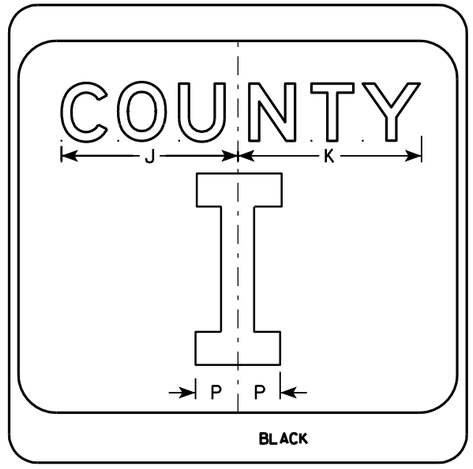


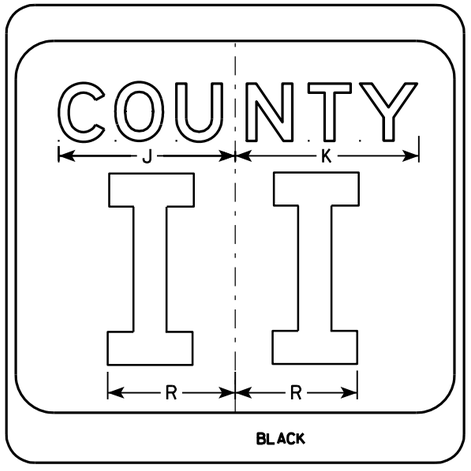
M1-5A



NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

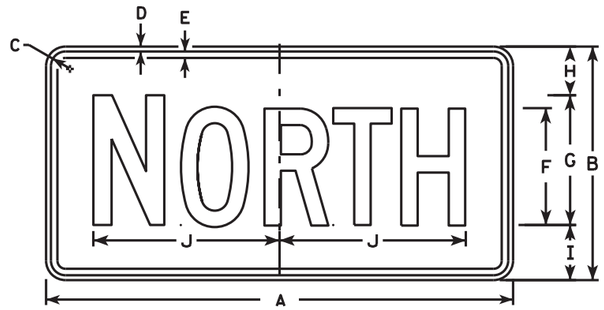
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

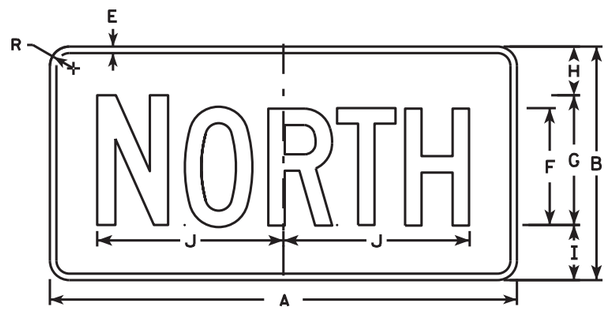
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 219	E



M3-1
MM3-1
MP3-1



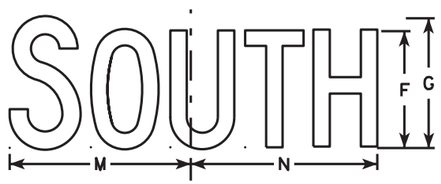
MB3-1
MK3-1
MN3-1



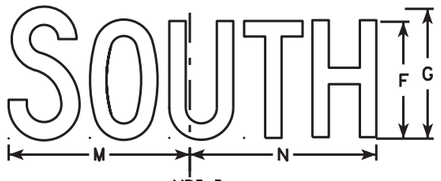
M3-2
MM3-2
MP3-2



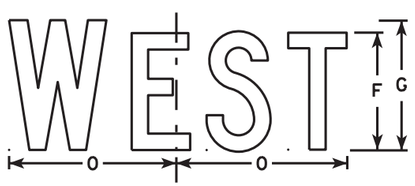
MB3-2
MK3-2
MN3-2



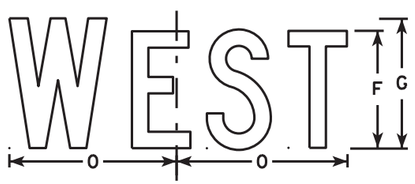
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

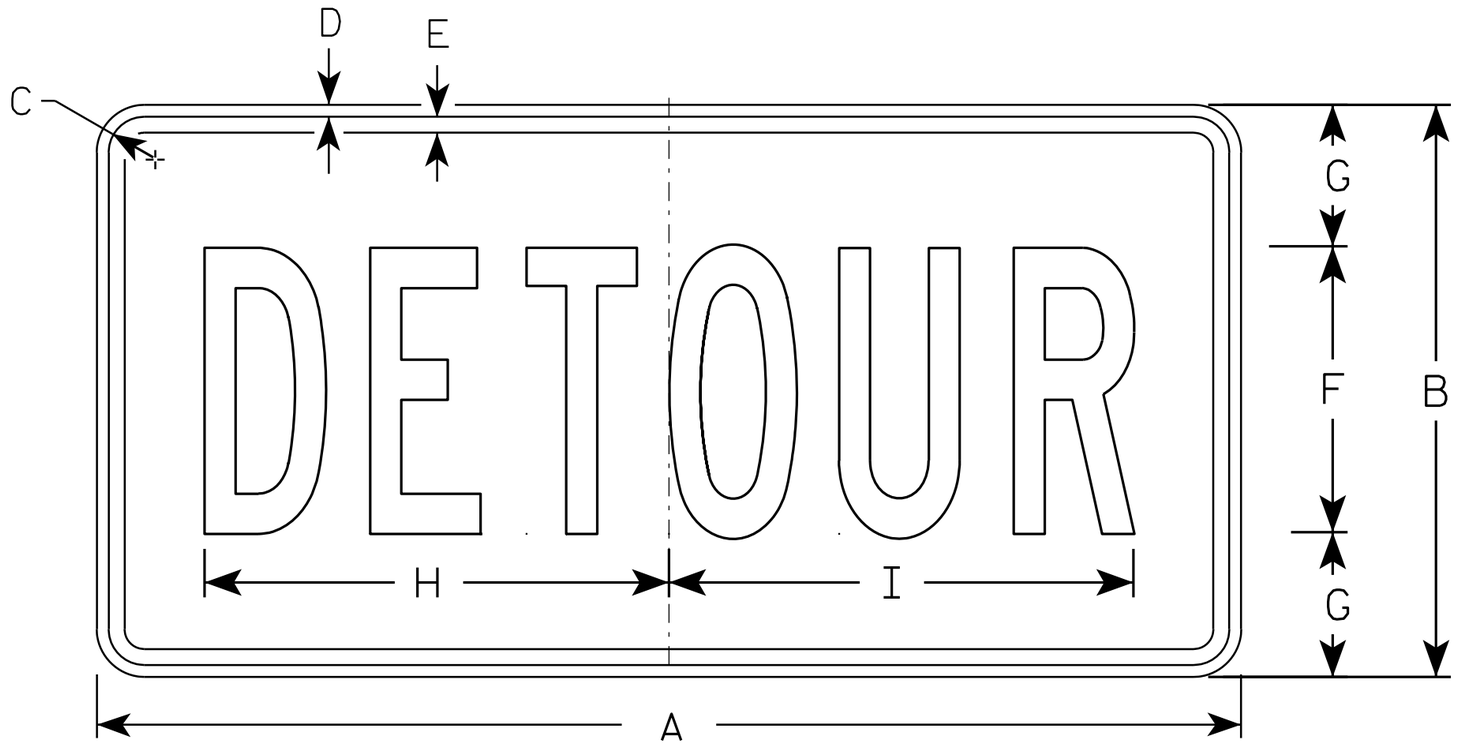
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO. M3-1.14

PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO. 220 | E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 15-OCT-2015 12:16 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 18.607113:1.000000 WISDOT/CADDS SHEET 42



M4-8

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 - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

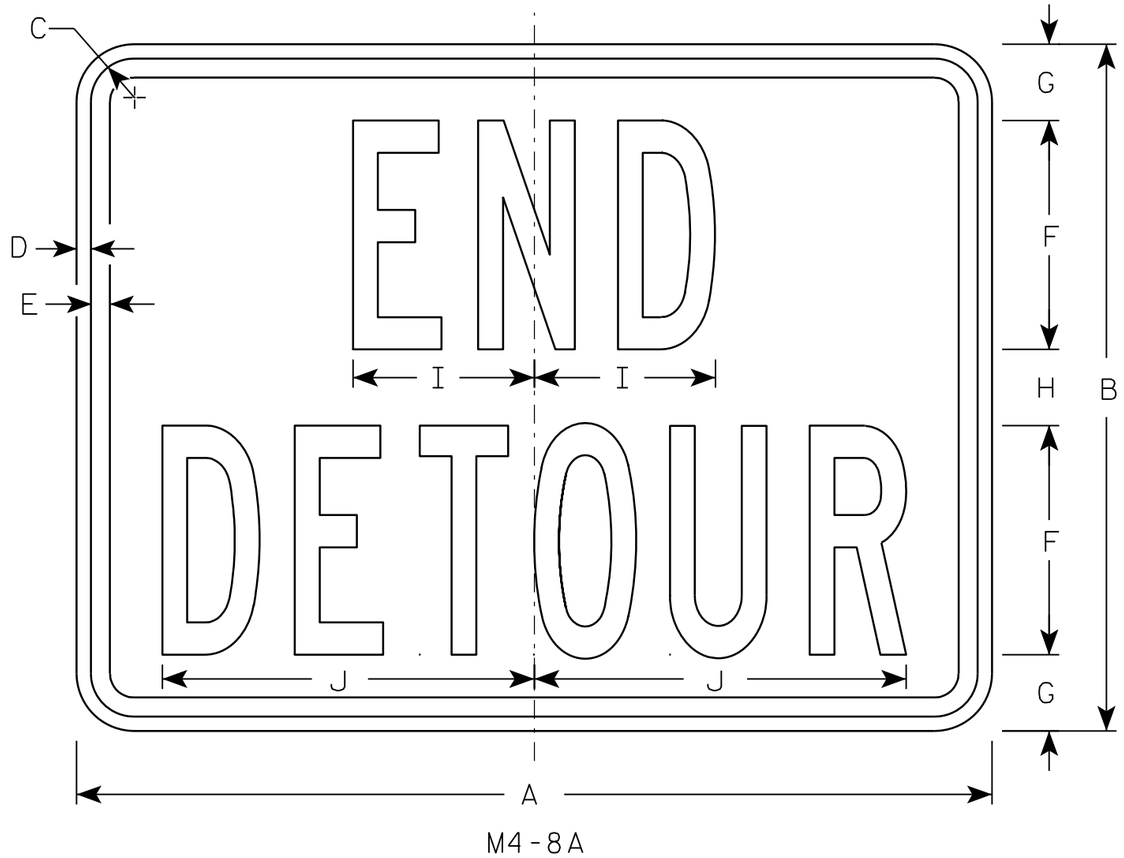
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 221	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN PLOT DATE : 10-NOV-2010 13:18 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.767233:1.000000

WISDOT/CADDS SHEET 42

7

7



M4-8A

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 - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

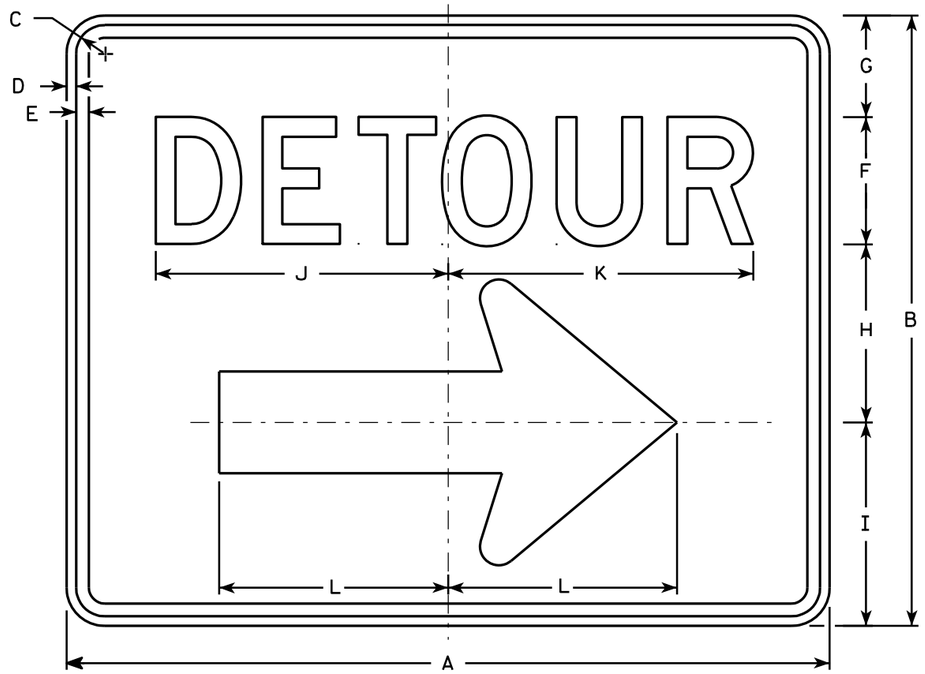
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

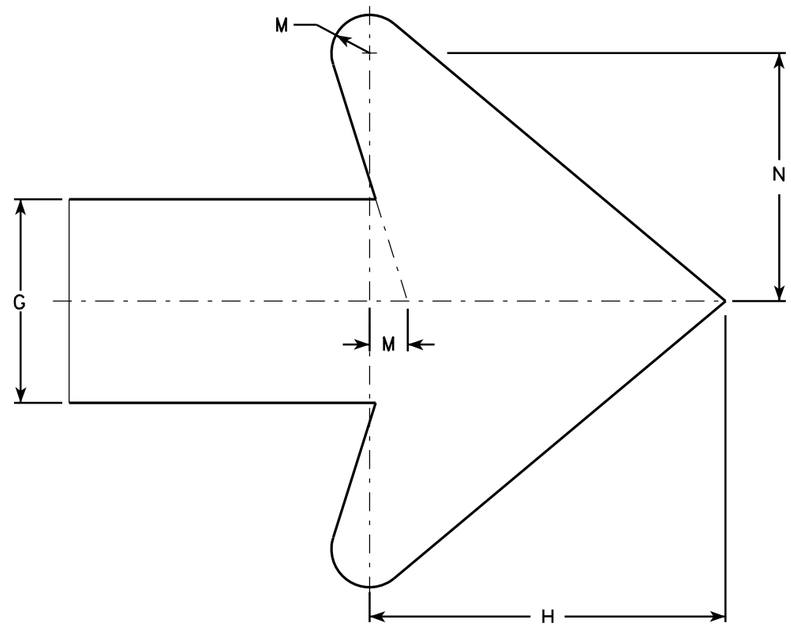
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 222	E



M4-9R

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 - 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. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

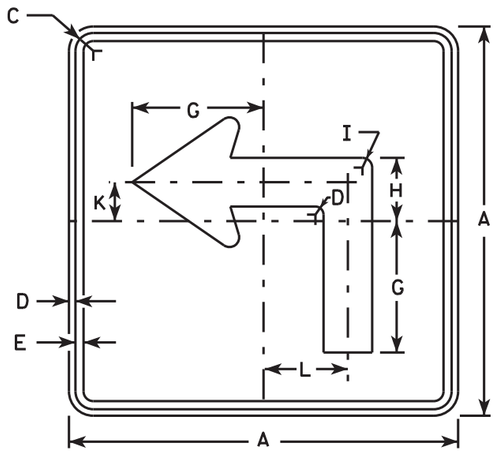
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

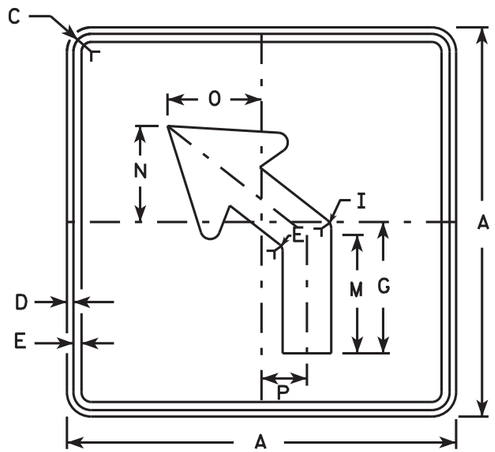
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

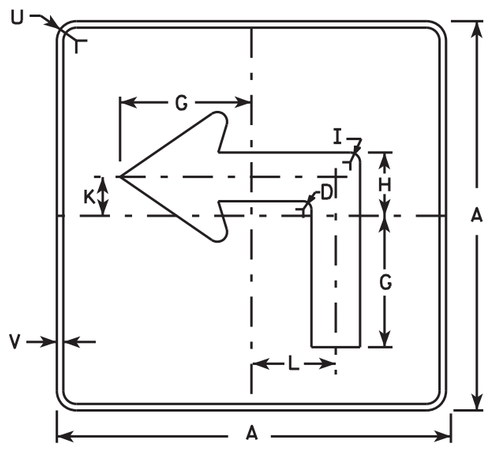
PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO: 223 | E



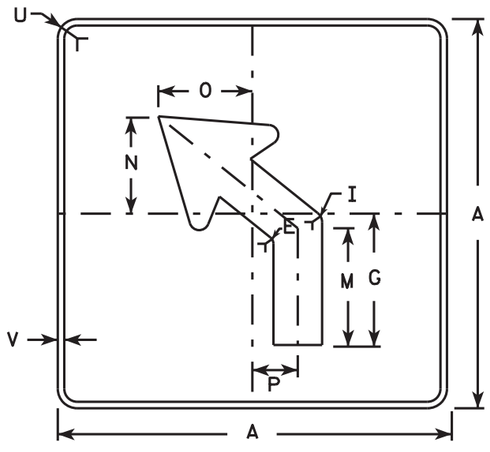
M5-1L
MM5-1L
MO5-1L
MP5-1L



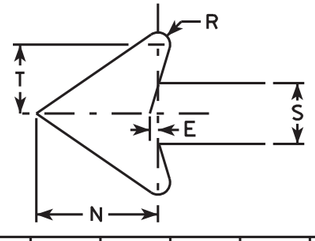
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
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, Message - Black
   MB5-1 and MB5-2 Background - Blue, Message - White
   MK5-1 and MK5-2 Background - Green, Message - White
   MM5-1 and MM5-2 Background - White, Message - Green
   MN5-1 and MN5-2 Background - Brown, Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective, Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective, Message - Blue
   MR5-1 and MR5-2 Background - Brown, Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	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
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
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
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

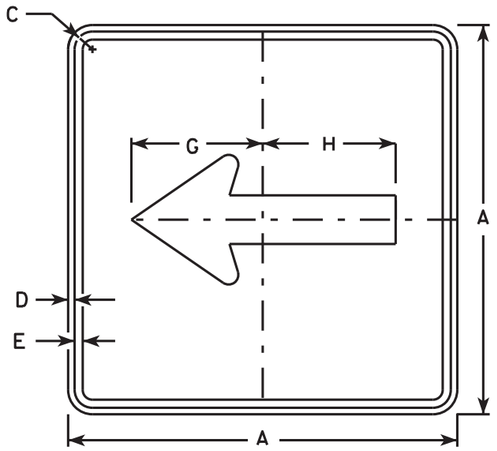
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

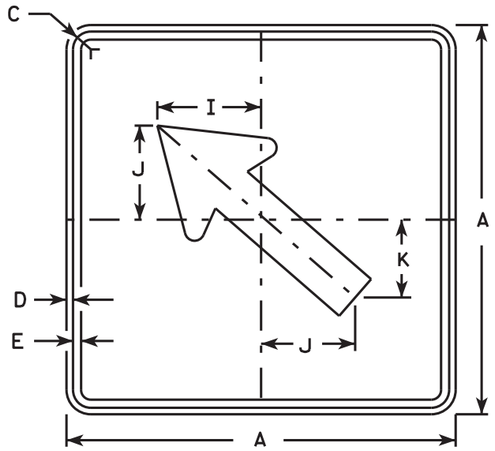
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO. 224 | E



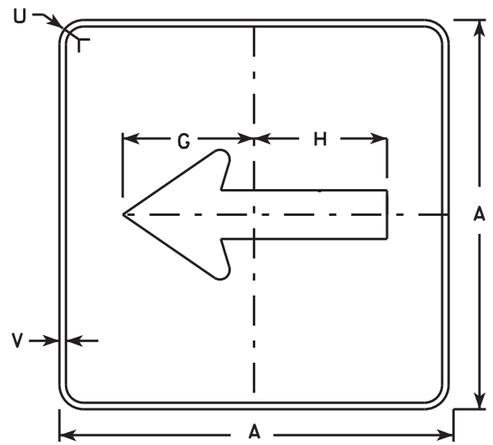
M6-1
MM6-1
MO6-1
MP6-1



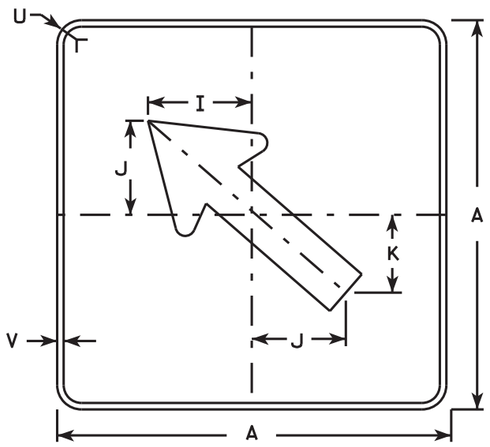
M6-2
MM6-2
MO6-2
MP6-2

NOTES

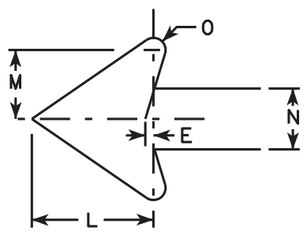
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

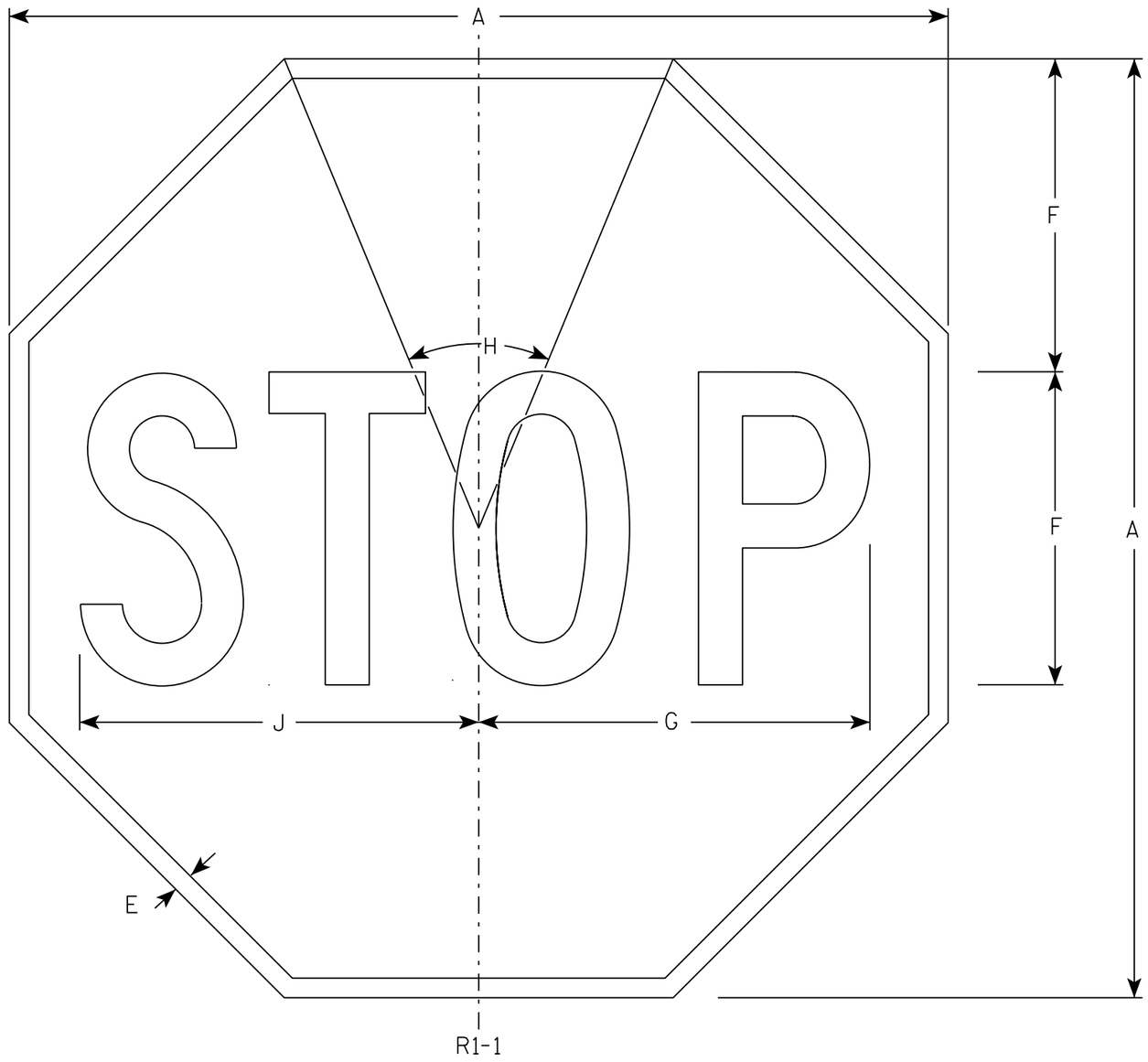
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-1.15

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO. 225	E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 15-OCT-2015 13:17 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 18.607113:1.000000
WISDOT/CADDS SHEET 42



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	30				5/8	10	12 1/2	45°		12 3/4																	5.18
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

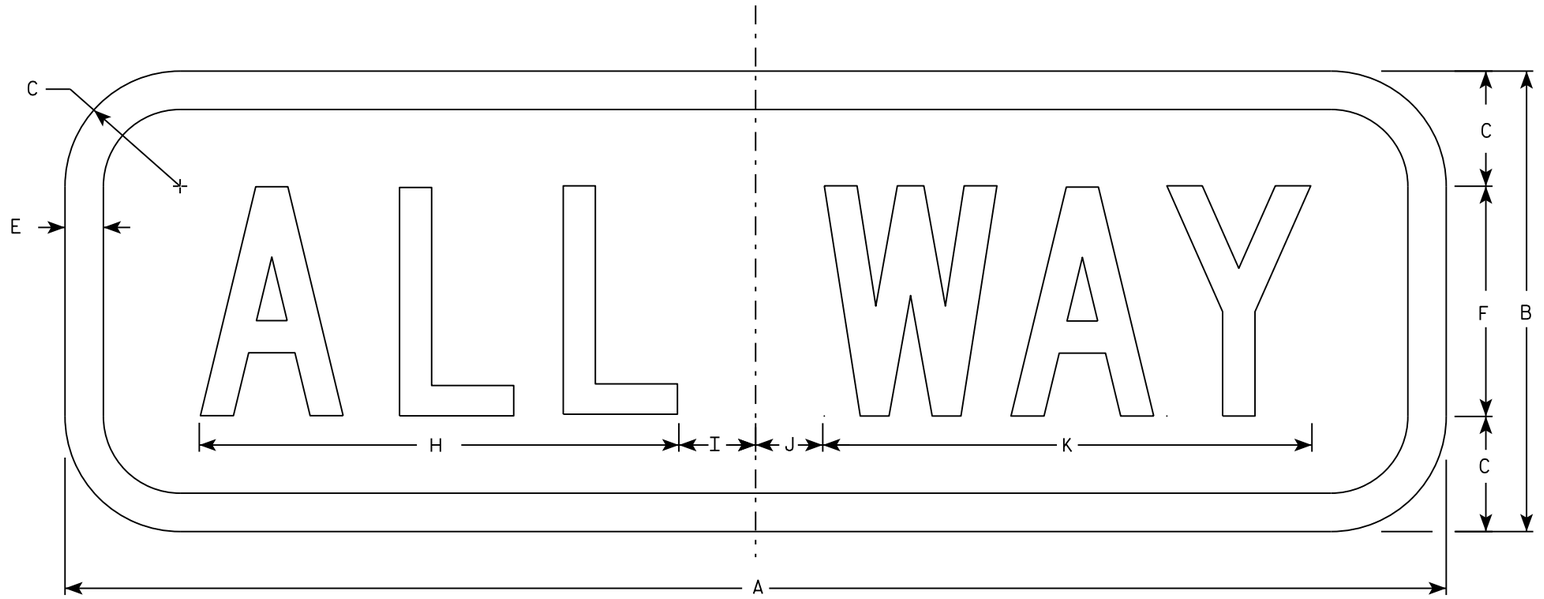
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 226	E



R1-3P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign

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	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

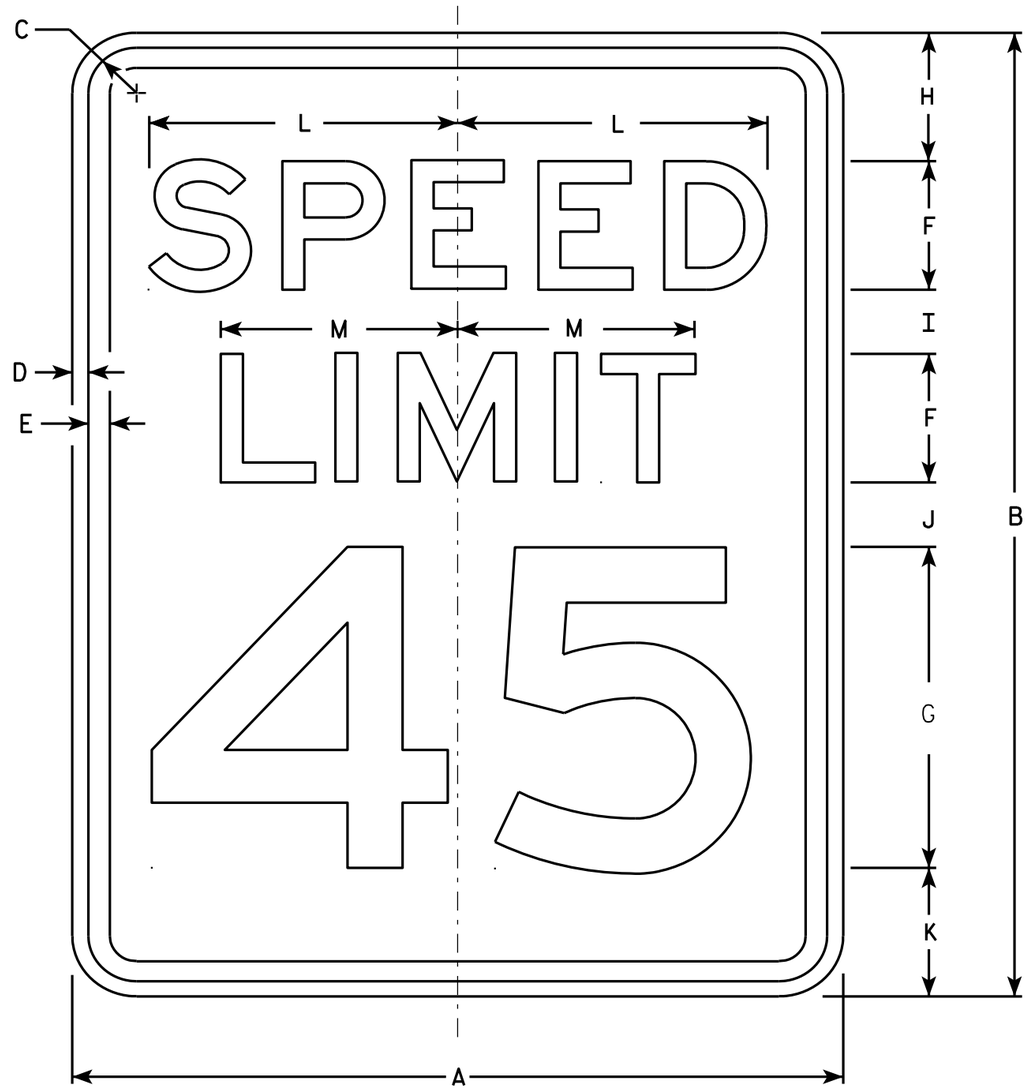
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO: 227 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

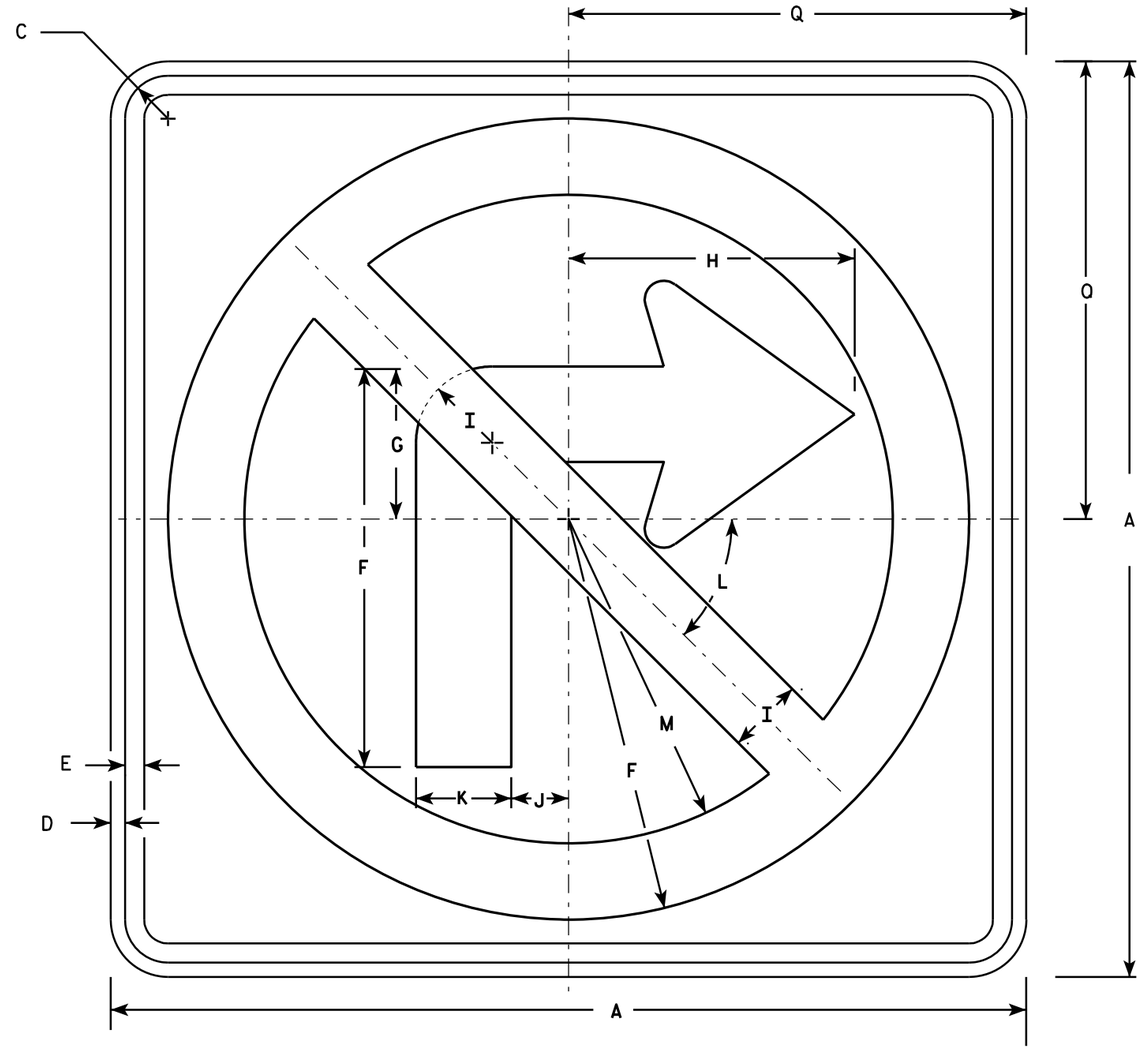
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

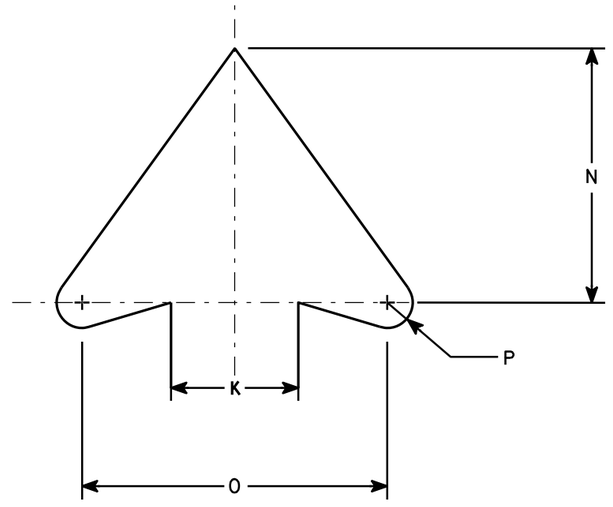
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 228	E



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

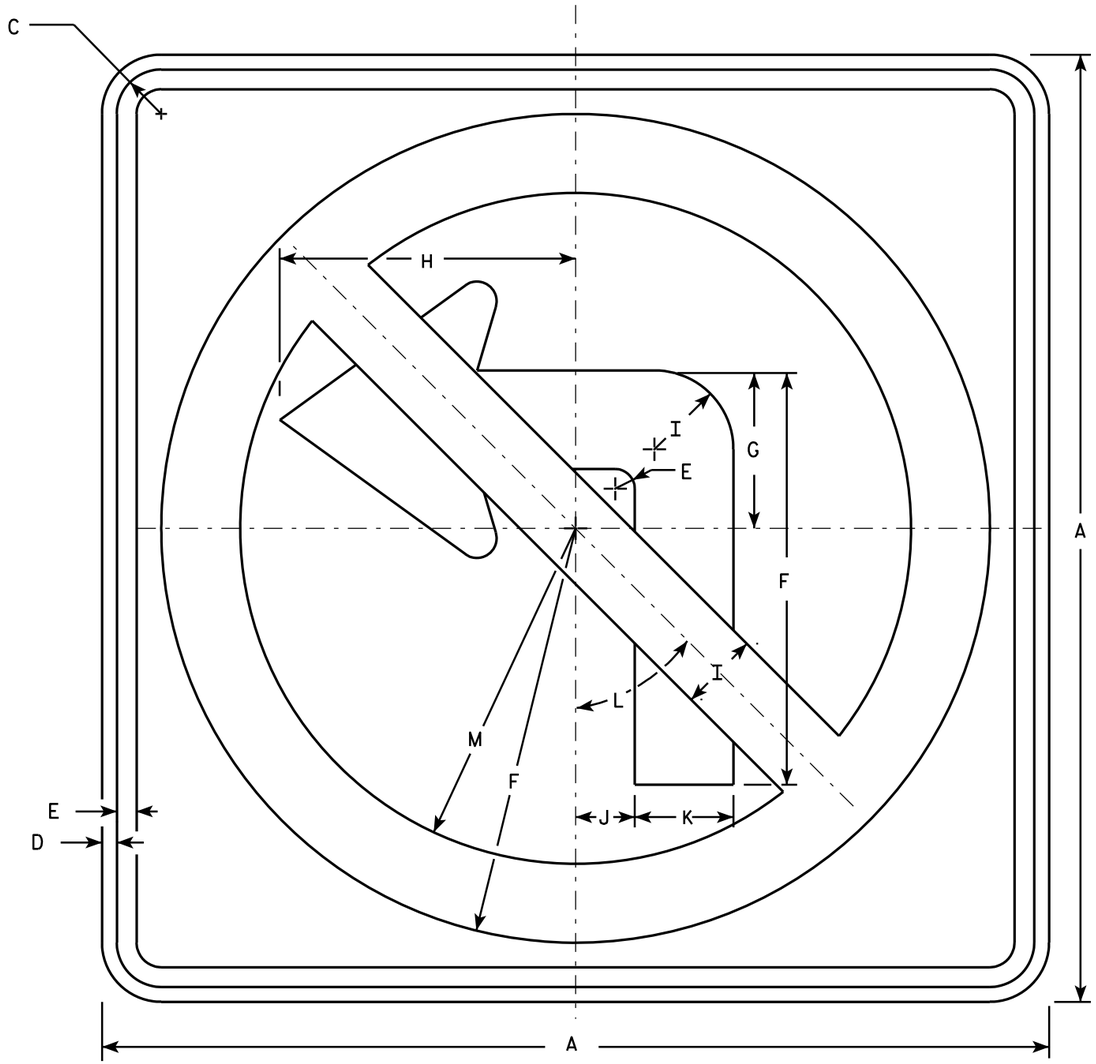
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

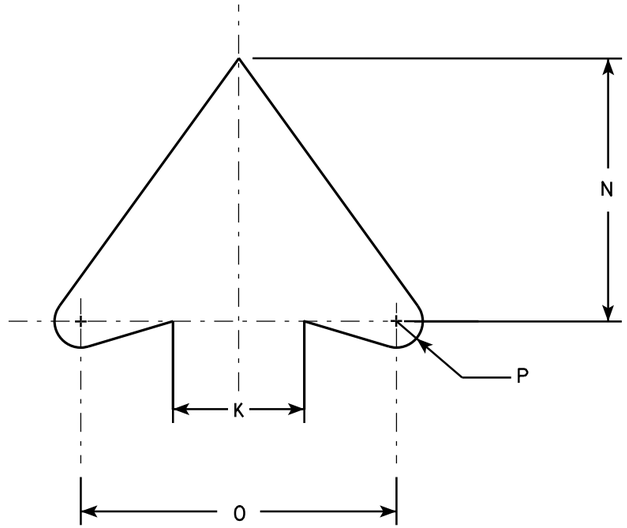
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 229	E



R3-2

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 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											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											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											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											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											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

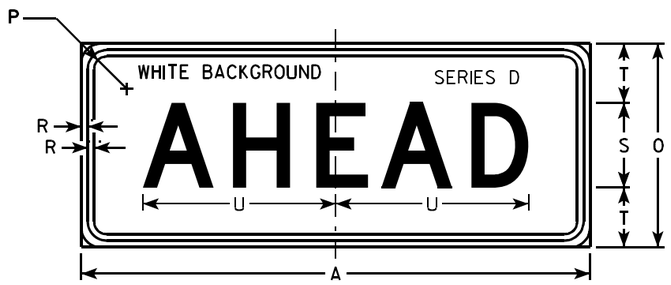
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 230	E



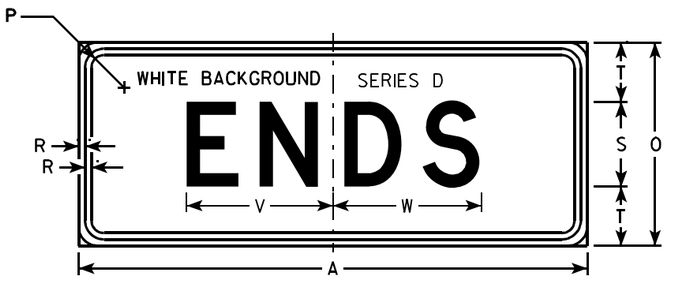
R3-17

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 7/8	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 7/8	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																													

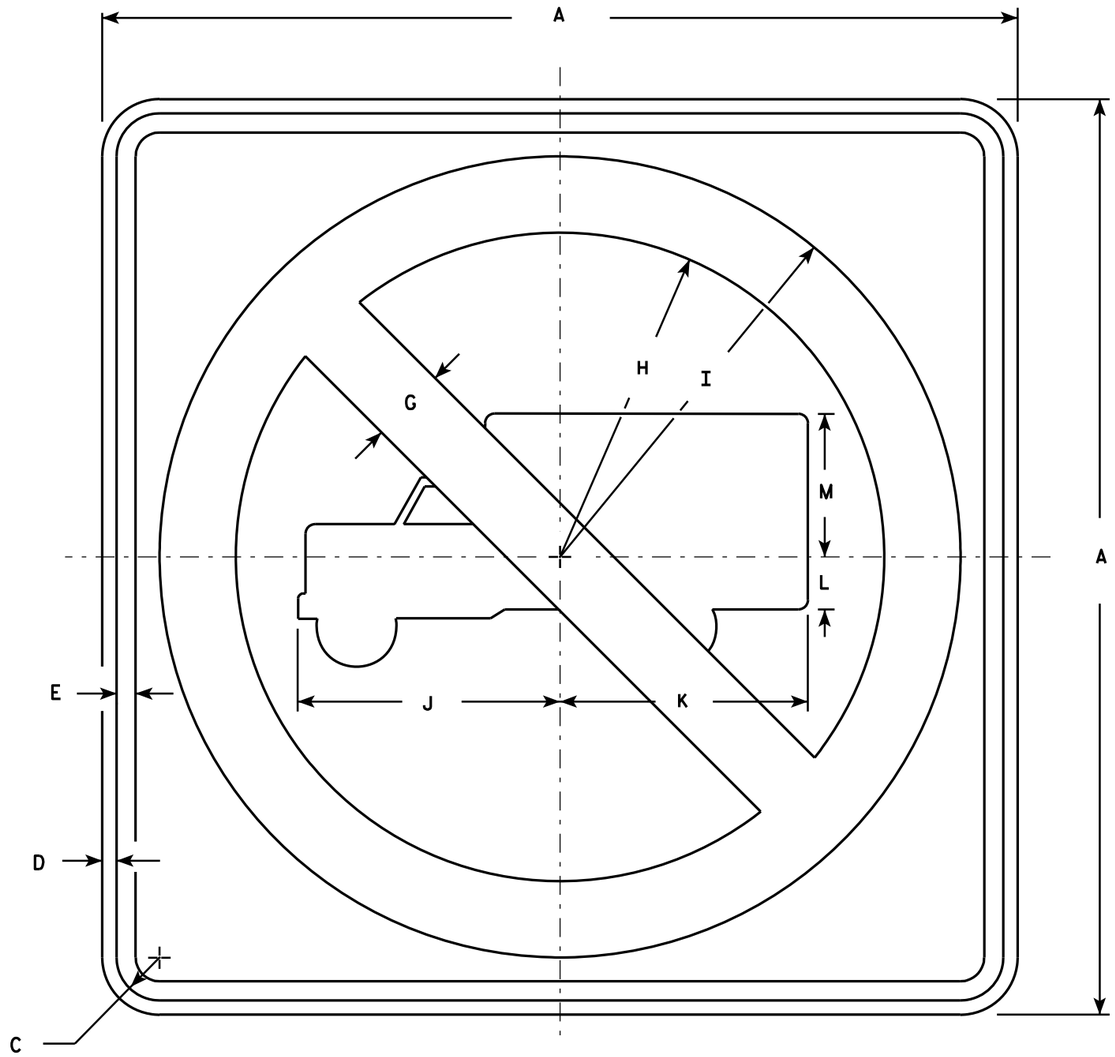
STANDARD SIGN
R3-17 & R3-17a&bp

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO: 5990-00-38	CTH MM	ROCK	SIGN PLATE DETAILS	SHEET NO: 231	E



R5-2

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 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. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

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		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

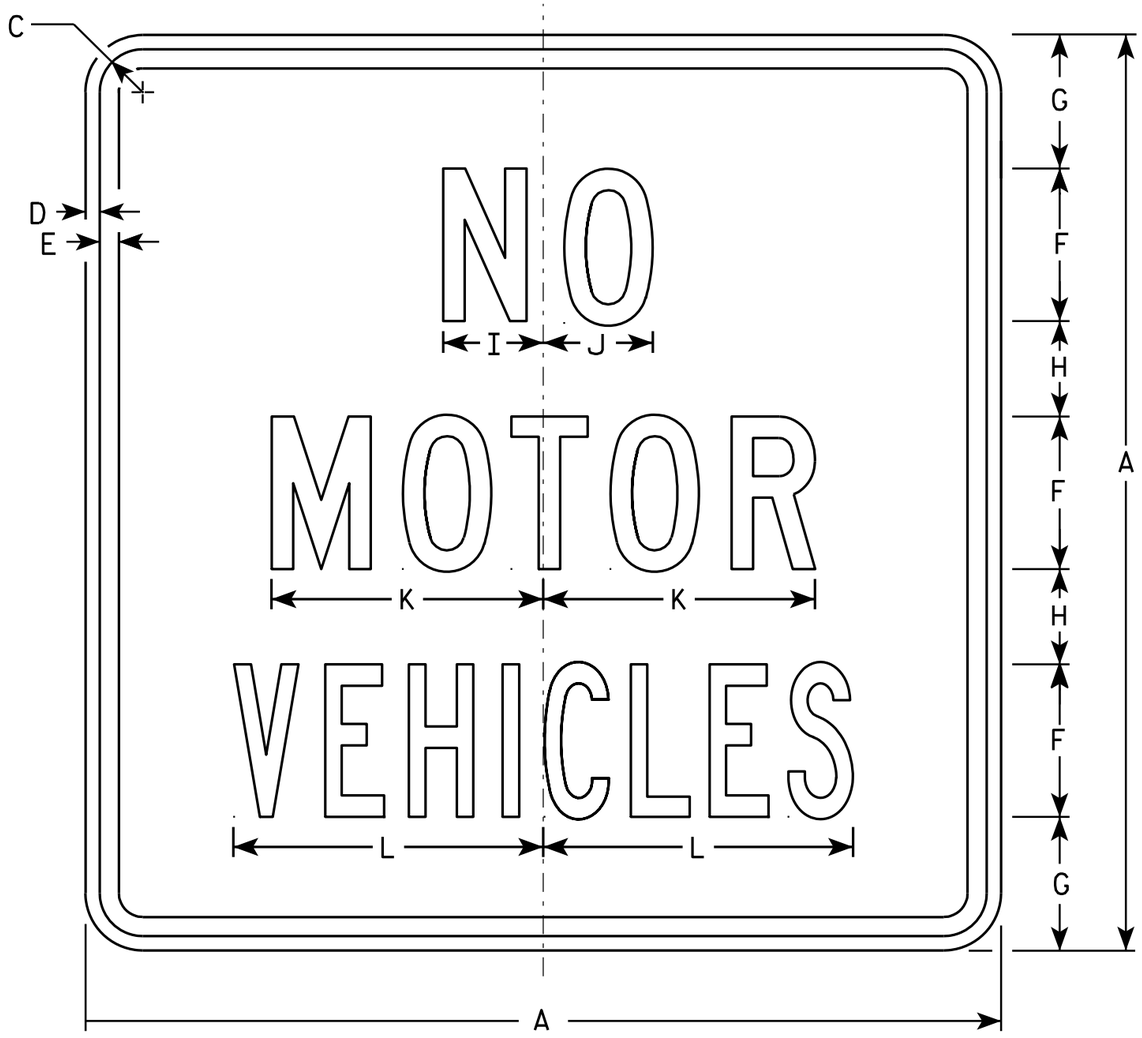
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 232	E



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																											

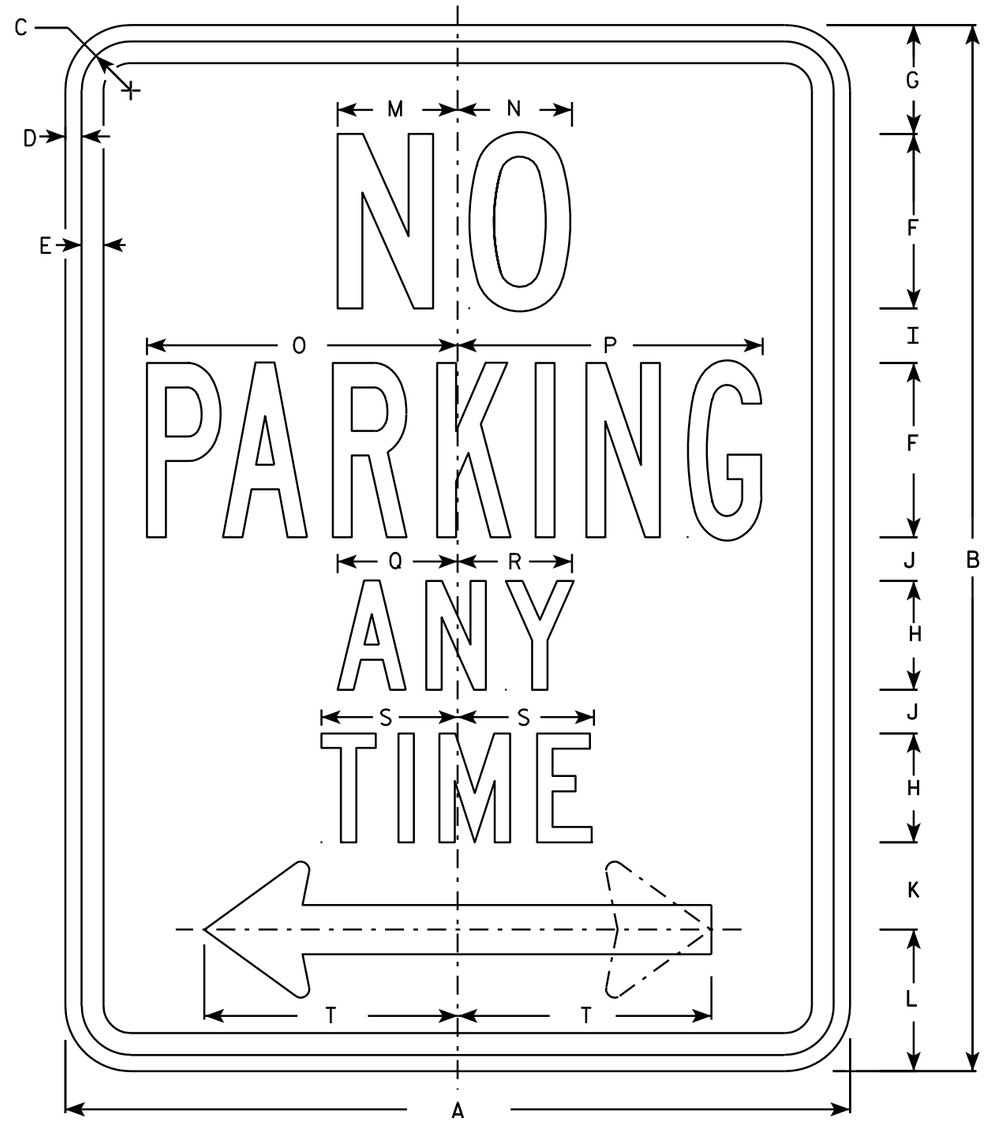
STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

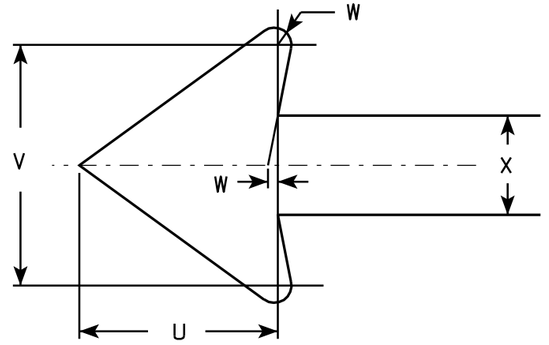
PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO: 233 | E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

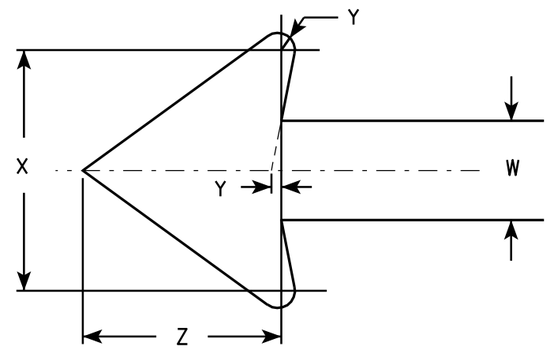
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 234	E



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	O	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																											

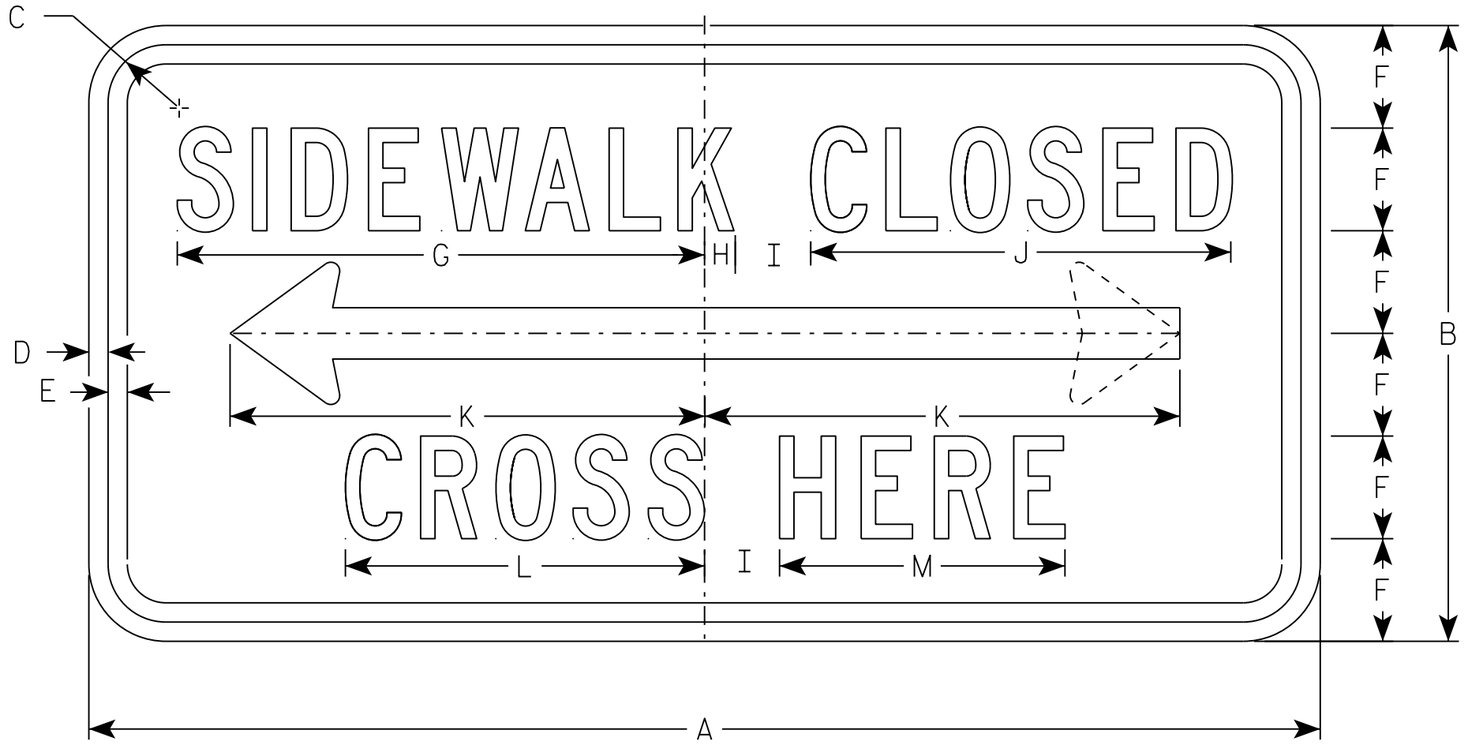
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

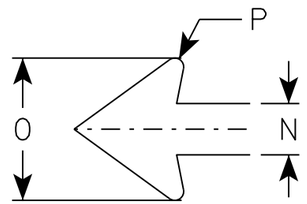
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS		SHEET NO: 235	E



R9-11A



NOTES

1. Sign is Type II - Type H Reflective
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.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.

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	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2	13	3/4	2	10 1/4	12 3/8	8 7/8	6 7/8	1 1/4	3 5/8	1/4											3.125
4																											
5																											

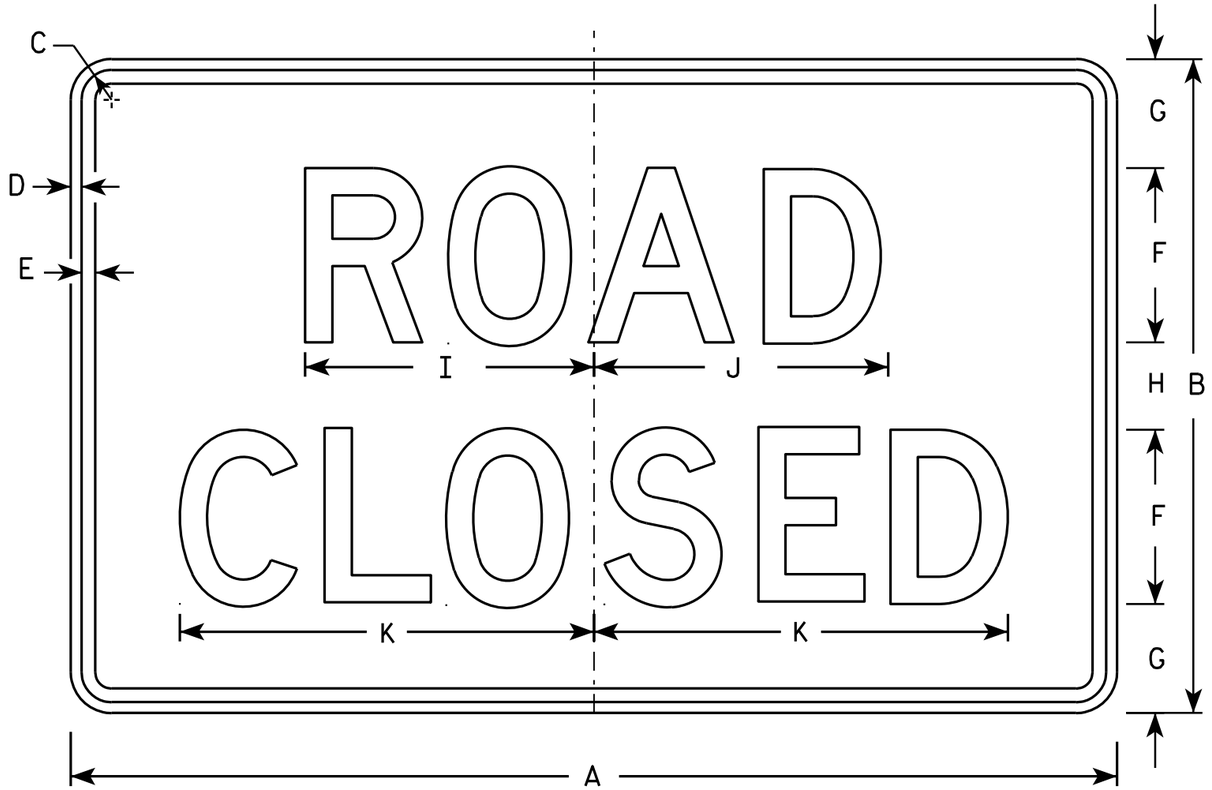
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11A.3

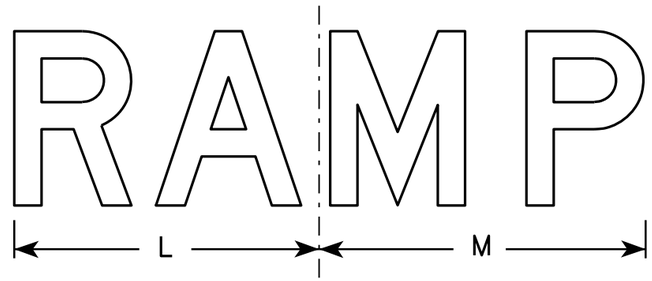
PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO: 236 | E



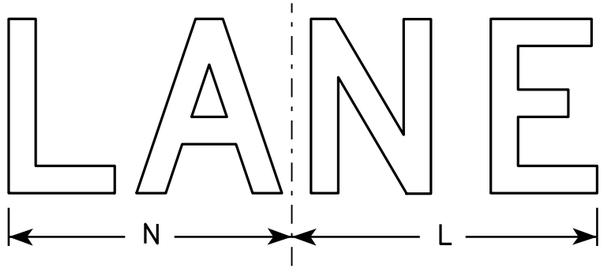
R11-2

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

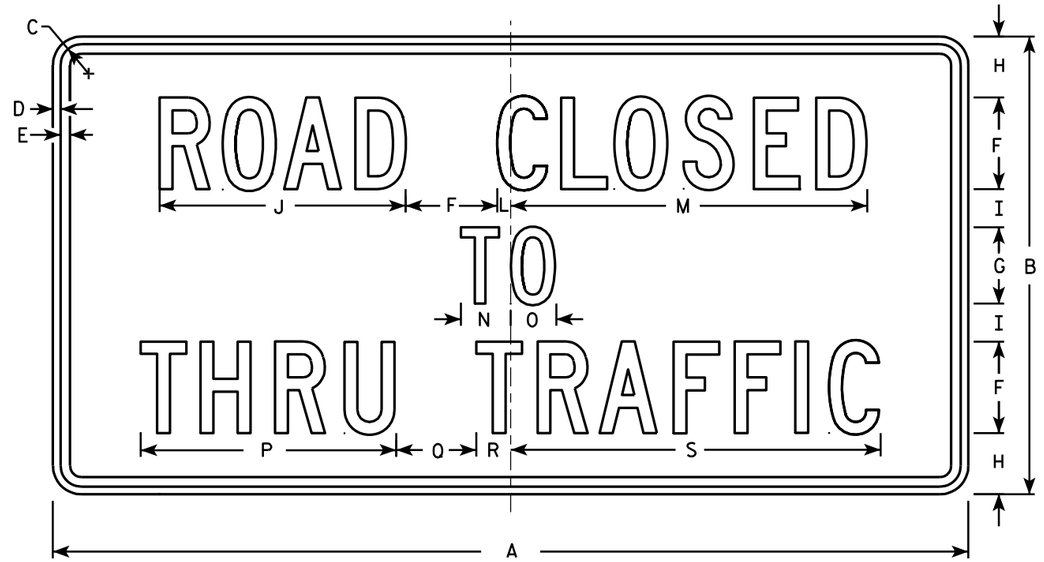
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 237	E



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																											

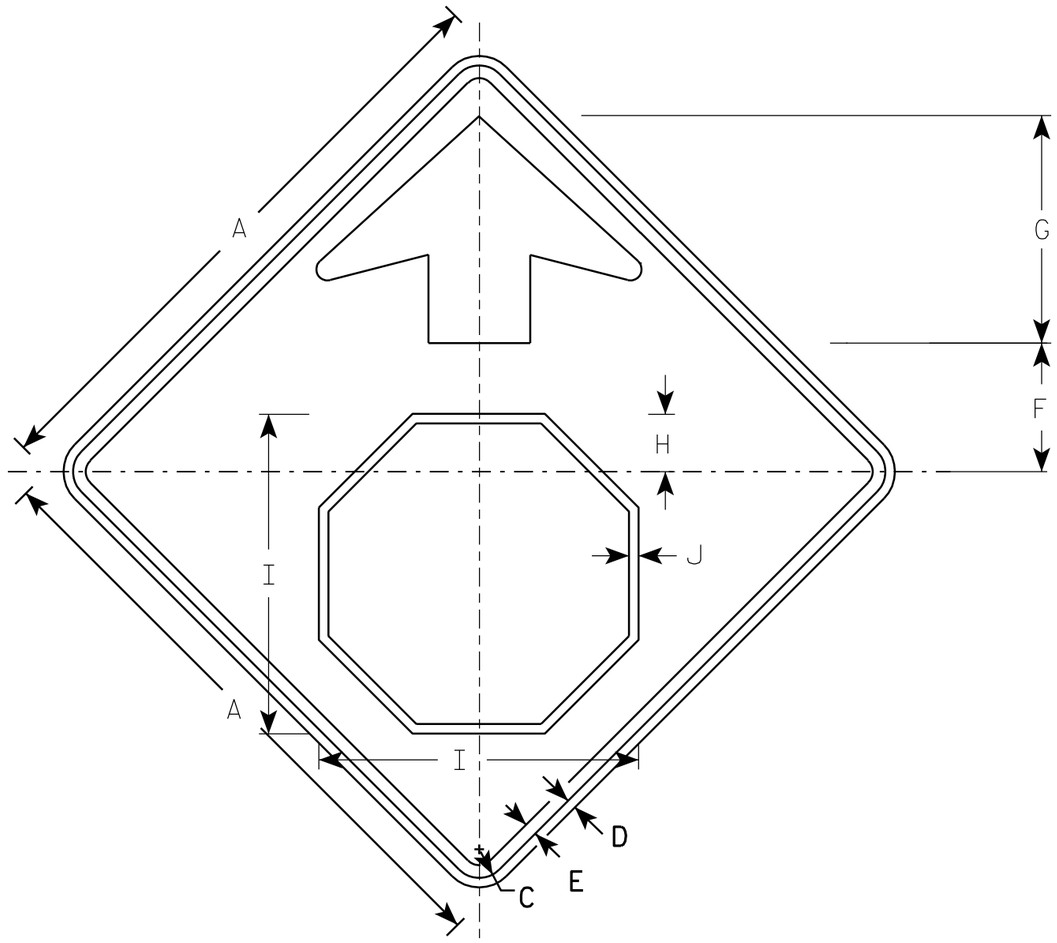
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

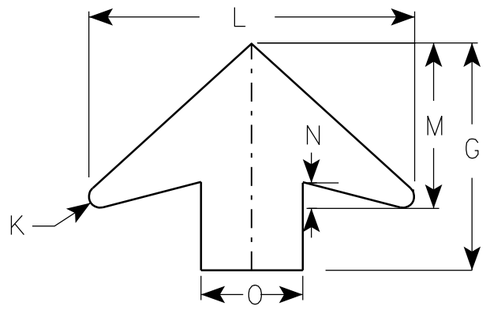
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 238	E



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

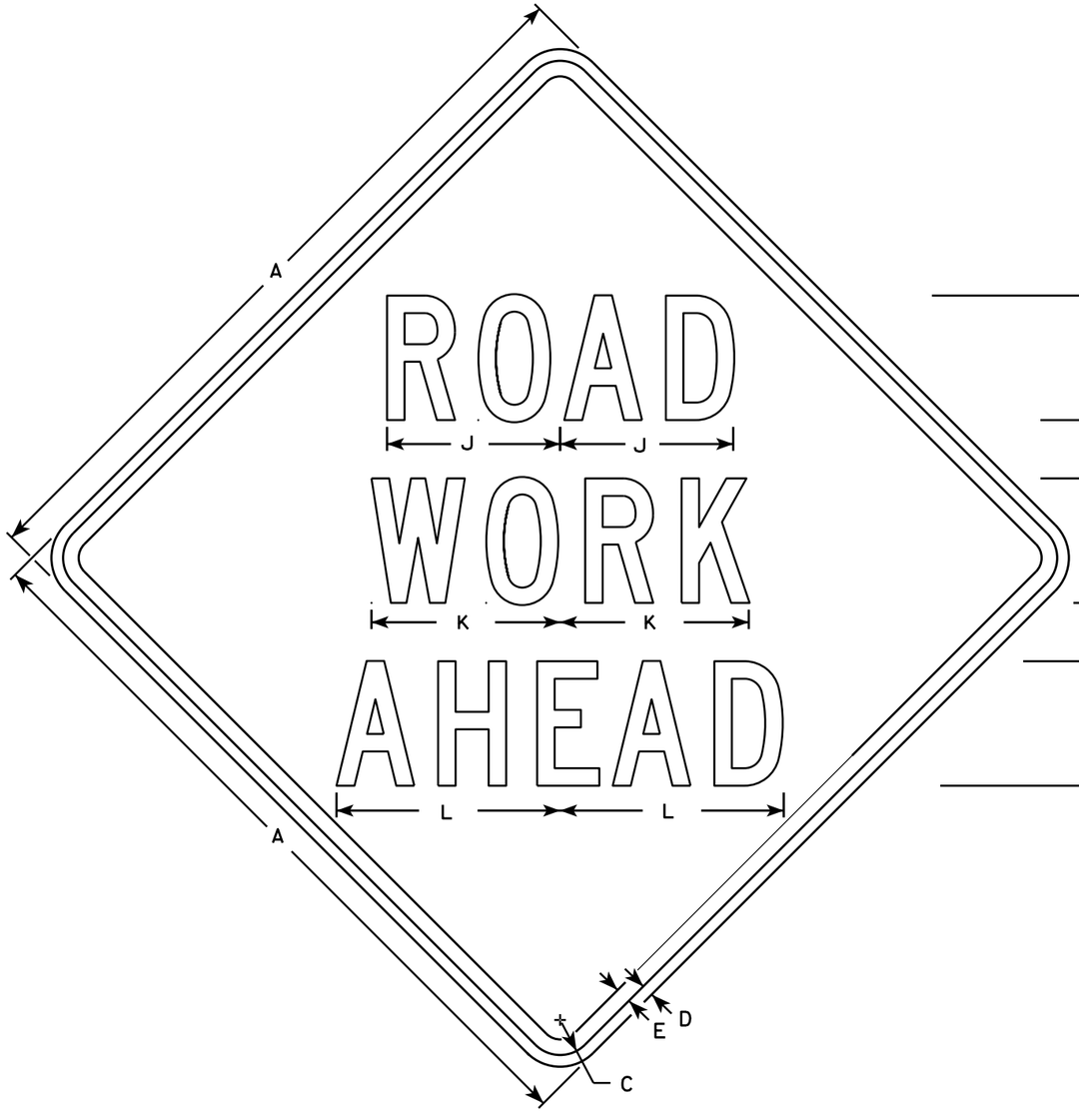
STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

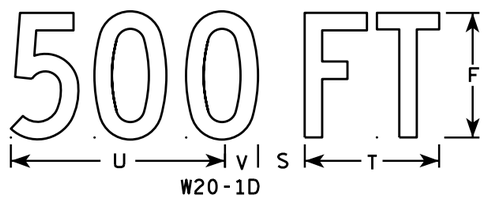
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

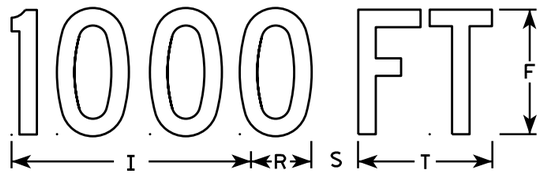
PROJECT NO: 5990-00-38	CTH MM	ROCK	SIGN PLATE DETAILS	SHEET NO: 239	E



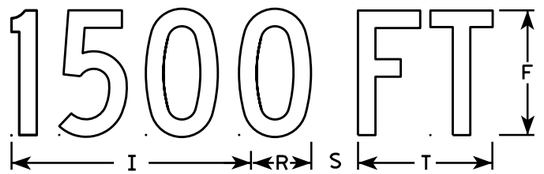
W20-1A



W20-1D



W20-1C



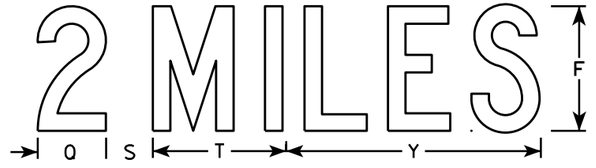
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
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	2 1/4	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	4 3/8	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	4 3/8	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	4 3/8	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	4 3/8	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	4 3/8	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

State Traffic Engineer

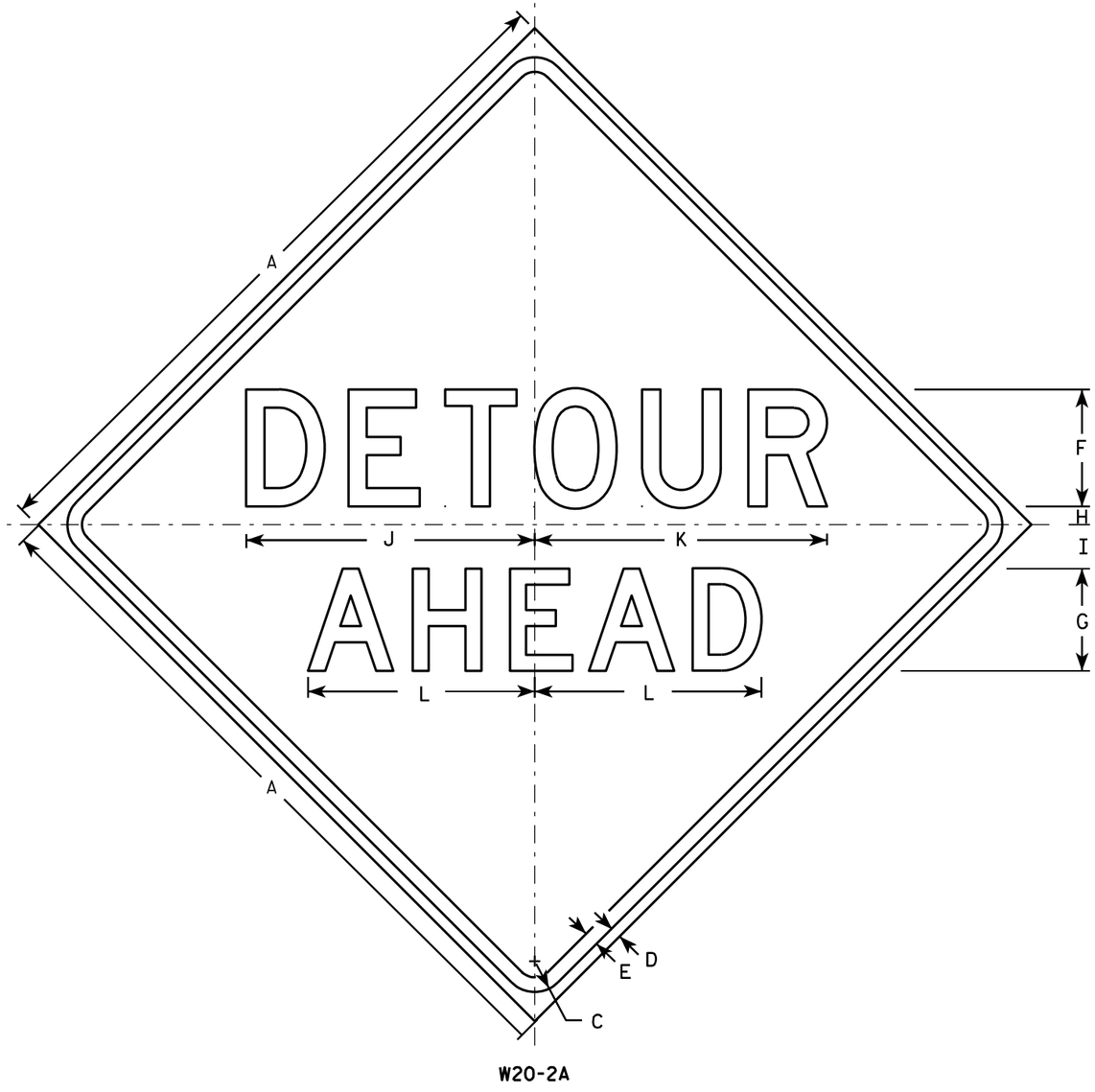
DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO: 5990-00-38	CTH MM	ROCK	SIGN PLATE DETAILS	SHEET NO:	E

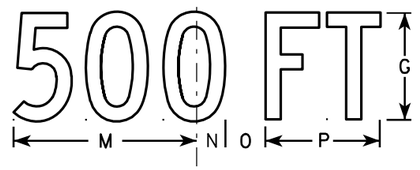
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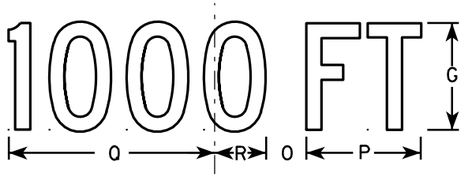
WISDOT/CADDS SHEET 42



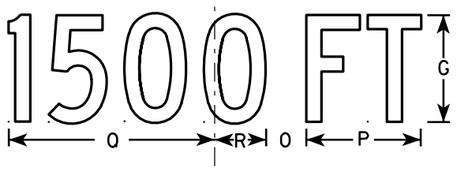
W20-2A



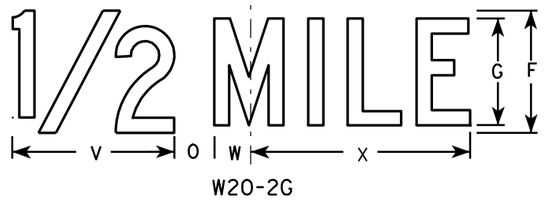
W20-2D



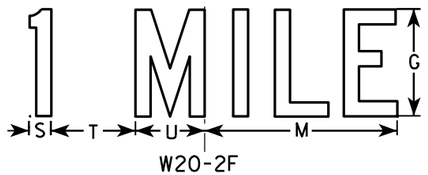
W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

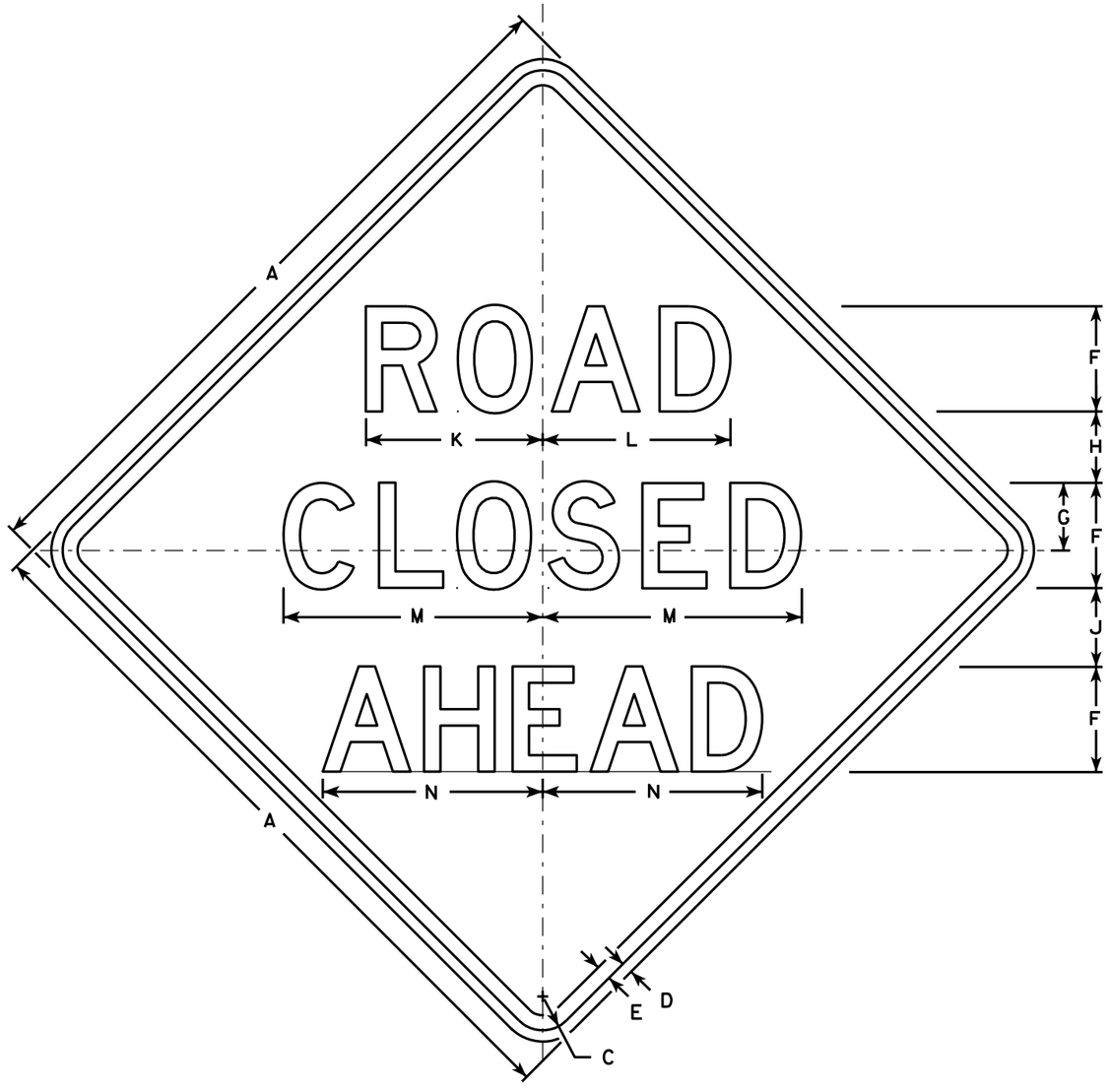
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

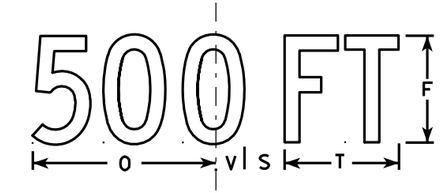
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: 5990-00-38 | HWY: CTH MM | COUNTY: ROCK | SIGN PLATE DETAILS | SHEET NO: 241 | E

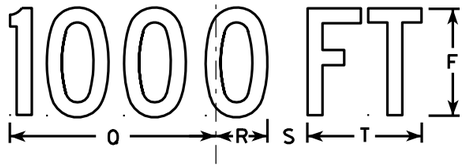
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WISDOT/CADDS SHEET 42



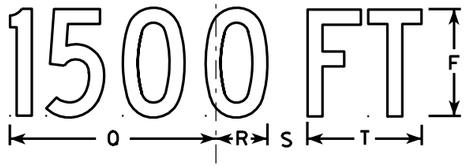
W20-3A



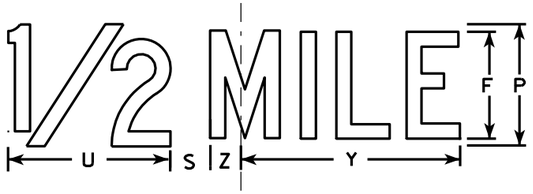
W20-3D



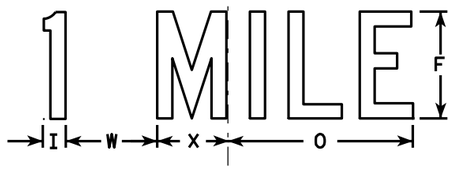
W20-3C



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

7

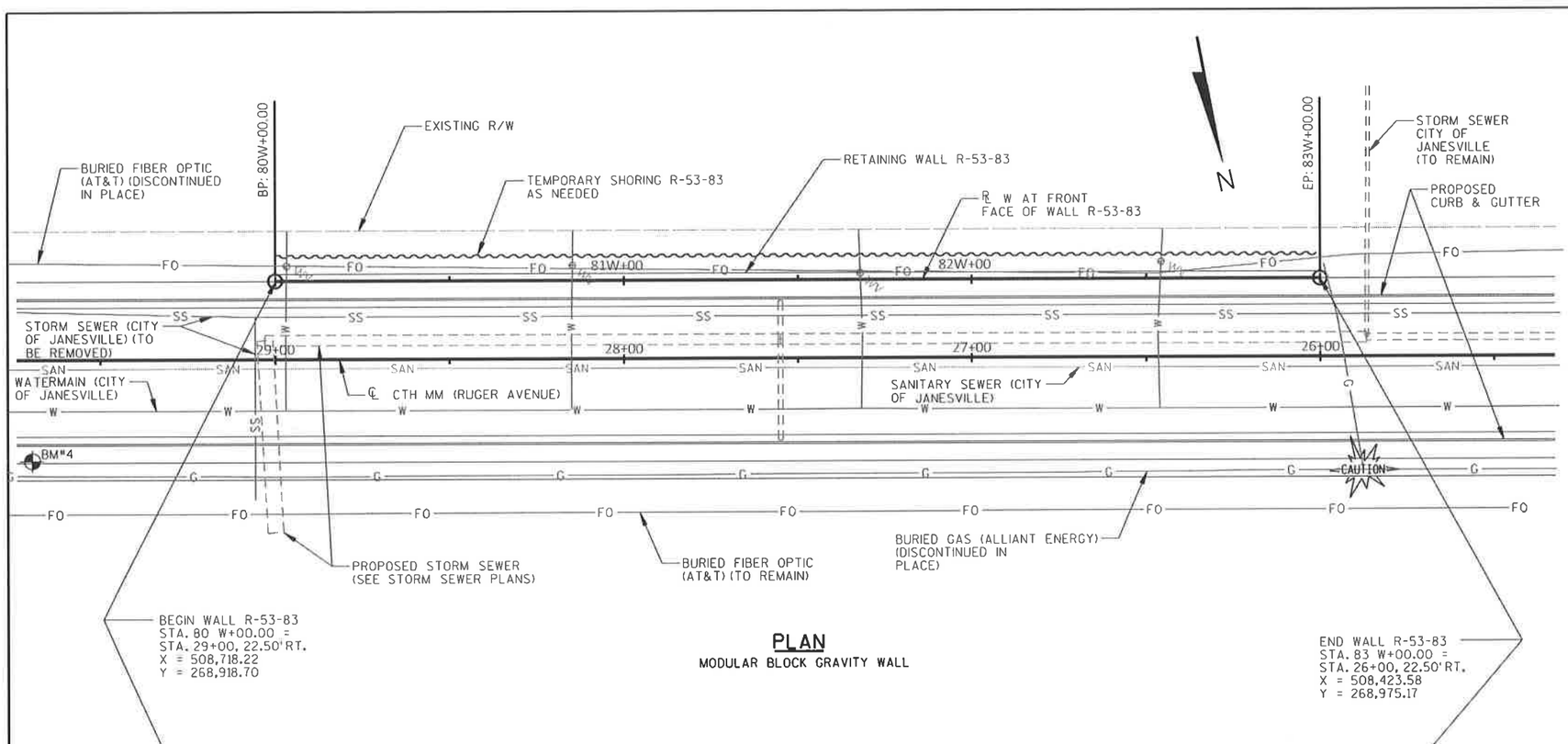
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PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	SIGN PLATE DETAILS	SHEET NO: 242	E

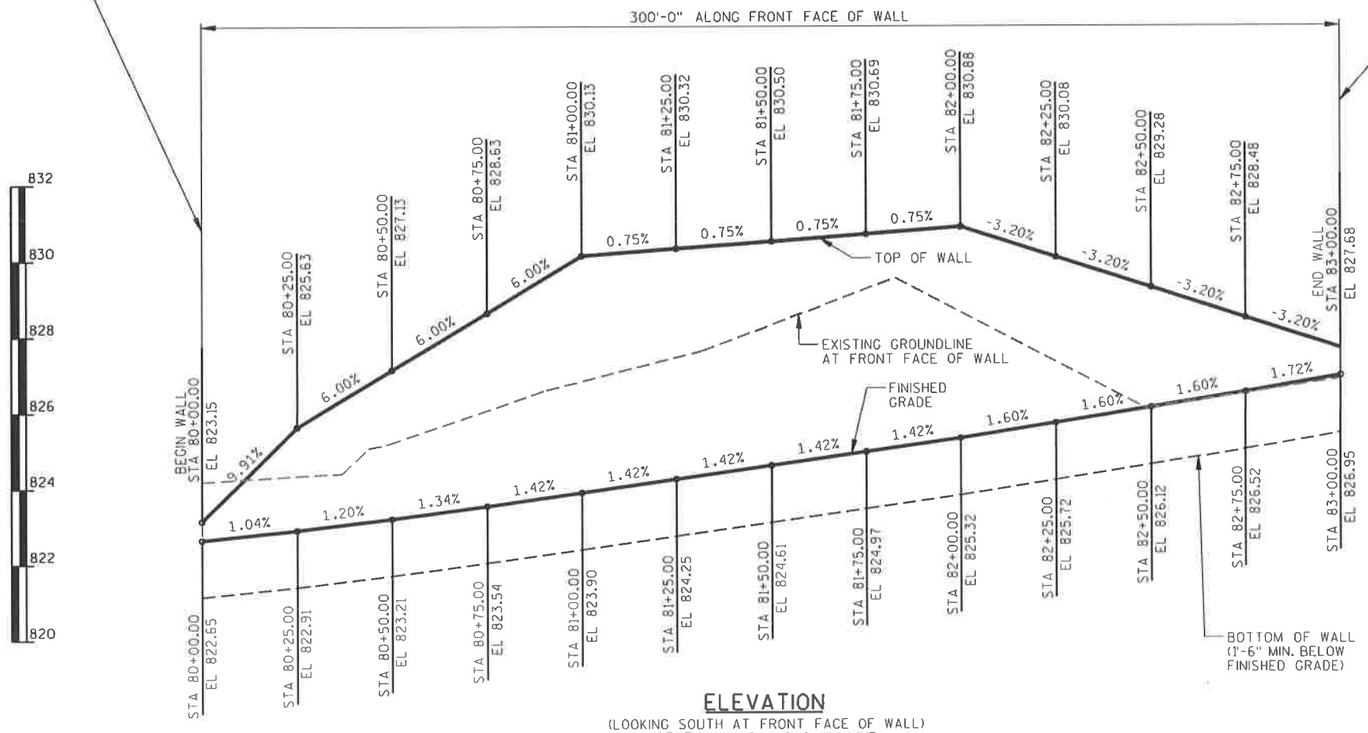
STATE PROJECT NUMBER
5990-00-38

BENCHMARKS

NO.	STA./OFFSET	DESCRIPTION	ELEV.
4	29+69.6, 28.8' LT	TOP NUT OF HYDRANT	824.62



PLAN
MODULAR BLOCK GRAVITY WALL



ELEVATION
(LOOKING SOUTH AT FRONT FACE OF WALL)
STATIONING IS ALONG "W" LINE

TRAFFIC DATA (CTH MM)

A.A.D.T. (2019) = 1,200
A.A.D.T. (2039) = 1,900
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-53-83".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

A MODULAR BLOCK GRAVITY WALL IS REQUIRED. WALL SHALL CONSIST OF PRECAST MODULAR CONCRETE BLOCKS PRODUCED BY A WET-CAST PROCESS.

MINIMUM BLOCK WIDTH (FRONT FACE TO BACK FACE) SHALL BE 23 INCHES.

WISCONSIN
DANIEL H. WAGNER
E-19220
BARABOO, WI
PROFESSIONAL ENGINEER
8-29-2018

CONSULTANT DESIGN CONTACT:
DANIEL WAGNER
(608) 355-8952

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608) 266-8489

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BLVD., BARABOO WI 53913
(608) 356-2771 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 11/27/18
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-53-83

RUGER AVENUE WALL

COUNTY	TOWN/CITY/~~VILLAGE~~
ROCK	JANESVILLE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPEC.

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
DHW	LJR	RLR	DHW

GENERAL PLAN

SHEET 243 3

FILE= 7052024_R-53-83_01.DGN
DATE= 8/28/2018

7052024_01.dgn 8/28/2018 12:01:55 PM mabska

8

8

STATE PROJECT NUMBER
5990-00-38

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-53-83" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL DESIGN GRADE TO THE BOTTOM OF WALL DESIGN GRADE, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

SEE SPECIAL PROVISIONS FOR DESCRIPTIONS OF MATERIALS REQUIRED FOR "WALL BACKFILL, TYPE A".

AT THE BACK FACE OF THE WALL, ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH WALL BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING IS INCLUDED IN THE BID ITEM FOR "WALL MODULAR BLOCK GRAVITY R-53-83".

TEMPORARY SHORING IS REQUIRED IN LOCATIONS WHERE EXCAVATION WOULD OTHERWISE DISTURB THE EXISTING GROUND SURFACE OUTSIDE THE R/W LINE. AREAS BEYOND THE R/W LINE THIS DISTANCE SHALL NOT BE DISTURBED. LANDSCAPING BID ITEMS REQUIRED TO RESTORE THE SLOPE ABOVE THE RETAINED SOIL ZONE ARE INCLUDED IN THE ROAD PLAN QUANTITIES.

CLEARING AND GRUBBING AT WALL STRUCTURE IS INCLUDED WITH THE ROAD PLAN QUANTITIES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD 88 (2011 ADJUSTMENT), AND WERE ESTABLISHED AT THE SITE USING GPS TECHNOLOGY.

AESTHETIC TREATMENT IS REQUIRED ON THE TOPS OF ALL TOP BLOCKS, ON THE OUTER ENDS OF ALL END BLOCKS, AND ON THE FRONT FACES OF ALL BLOCKS. BLOCKS SHALL HAVE A STAINED TEXTURE IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE TEXTURE IS INCIDENTAL TO THE WALL. CONCRETE STAINING R-53-83 IS MEASURED AND PAYED FOR SEPARATELY. THE TOTAL PAY QUANTITY FOR CONCRETE STAINING SHALL EQUAL THE QUANTITY FOR WALL MODULAR BLOCK GRAVITY R-53-83.

FIELD EMBEDMENTS SHALL MEET OR EXCEED THE MINIMUM 1'-6" EMBEDMENT. FIELD EMBEDMENTS BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

TOTAL STRUCTURE ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
511.1200.01	TEMPORARY SHORING R-53-83	SF	2460
517.1010.S	CONCRETE STAINING R-53-83	SF	1735
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	325
SPV.0165.01	WALL MODULAR BLOCK GRAVITY R-53-83	SF	1735
	NON-BID ITEMS		
	WALL BACKFILL TYPE A	TON	-
	GRANULAR BACKFILL GRADE 1	TON	-
	GEOTEXTILE TYPE DF SCHEDULE B	SY	-
	UNREINFORCED CONCRETE LEVELING PAD	CY	-

WALL EXTERNAL & OVERALL STABILITY EVALUATION

EXPOSED WALL HEIGHT (FEET)	8.0	6.0	4.0	2.0
REQUIRED MIN BOTTOM BLOCK DEPTH (FEET)	5.0	4.0	3.0	2.5
GLOBAL STABILITY CDR	1.1	1.1	1.2	1.4
SLIDING CDR	1.0	1.0	1.0	1.0
OVERTURNING CDR	2.5	2.6	3.2	4.4
BEARING CAPACITY CDR	2.5	2.7	3.5	4.7
MAXIMUM EXPECTED SETTLEMENT (INCHES)	< 0.25	< 0.25	< 0.25	< 0.25

CDR - CAPACITY DEMAND RATIO

MINIMUM DEPTH OF BOTTOM BLOCK FOR EXPOSED WALL HEIGHTS BETWEEN 2 AND 8 FEET MAY BE DETERMINED BY LINEAR INTERPOLATION.

USE VALUES IN TABLE TO DETERMINE MINIMUM BLOCK DEPTH AT EACH BLOCK LEVEL TO PROVIDE REQUIRED SLIDING AND OVERTURNING RESISTANCE.
THE HEIGHT OF ALL BLOCKS ABOVE THE SLIDING INTERFACE MAY BE CONSIDERED THE EXPOSED WALL HEIGHT AS SHOWN IN THE TABLE.
TABLE ASSUMES THE FRICTION ANGLE BETWEEN BLOCKS IS AT LEAST 32 DEGREES.

TABLE PROVIDES GUIDANCE FOR MINIMUM BLOCK DEPTH TO MEET EXTERNAL STABILITY REQUIREMENTS WITH A MINIMUM CDR > 1.0.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE BLOCK DEPTH REQUIRED TO SATISFY INTERNAL AND COMPOUND STABILITY.

COMPACT THE TOP 12 INCHES OF SOIL BELOW THE CONCRETE LEVELING PAD TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS ESTABLISHED BY THE MODIFIED PROCTOR TEST (ASTM D1557).

SOIL PARAMETERS

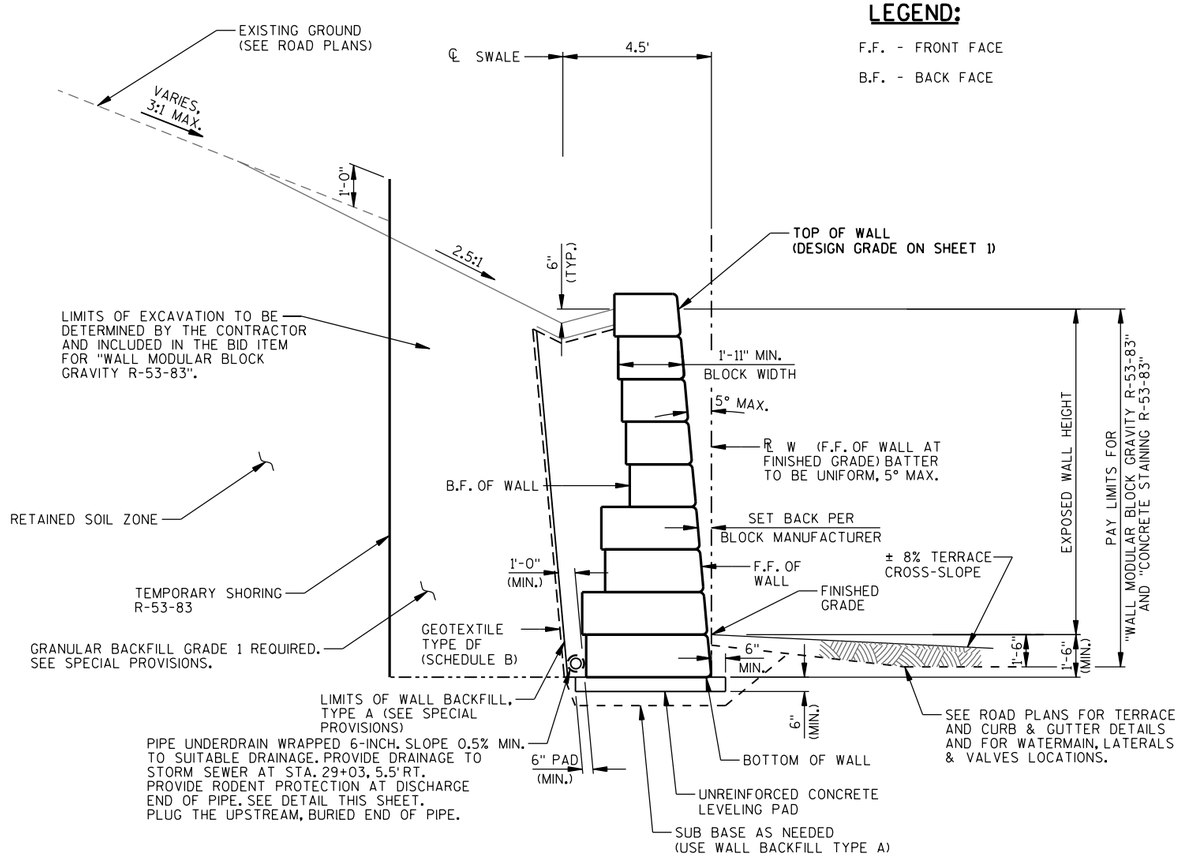
	STRATUM LOCATIONS & SOIL DESCRIPTIONS	UNIT WEIGHT (pcf)	FRICTION ANGLE (DEGREES)	COHESION (psf)
*	WALL GRANULAR BACKFILL TYPE A	120	32	0
*	GRANULAR BACKFILL GRADE 1	120	32	0
	FOUNDATION SOILS (STA. 80 W+00 TO STA. 83 W+00)	120	32	0
	EXISTING BACKSLOPE SOILS	120	32	0

* - DESIGN WALL FOR THESE VALUES. A CERTIFIED REPORT OF TESTS IS REQUIRED TO AUTHENTICATE THE 32 DEGREE FRICTION ANGLE FOR BACKFILL MATERIALS.

LEGEND:

F.F. - FRONT FACE

B.F. - BACK FACE

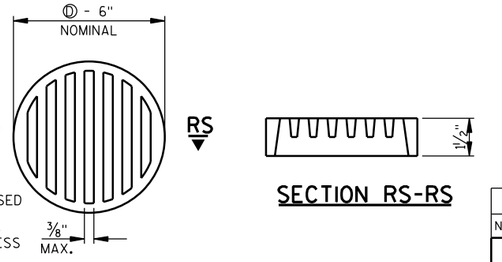


TYPICAL SECTION THRU RETAINING WALL

RODENT SHIELD NOTES:

ORIENT SHIELD SO SLOTS ARE VERTICAL.

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER.
A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS. THE RODENT SHIELD, PIPE COUPLING AND SCREWS, SHALL BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".



SECTION RS-RS

RODENT SHIELD

Ⓓ - DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-53-83

DRAWN BY RLR | PLANS CK'D. DHW

TYPICAL SECTION, QUANTITIES & NOTES

SHEET 2 OF 3
244

8

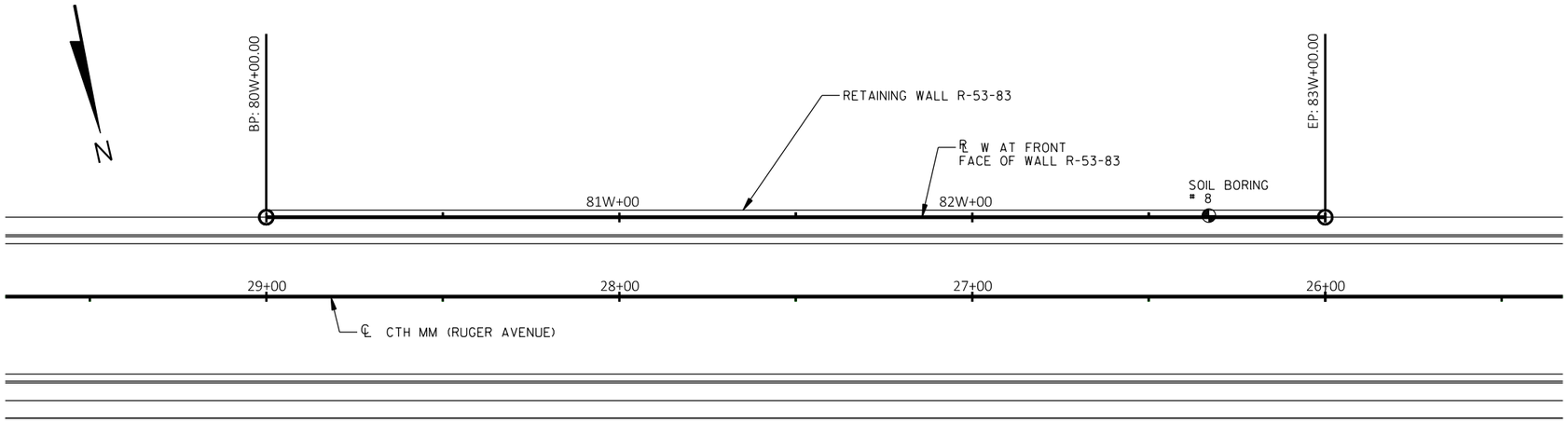
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DATE= 8/29/2018

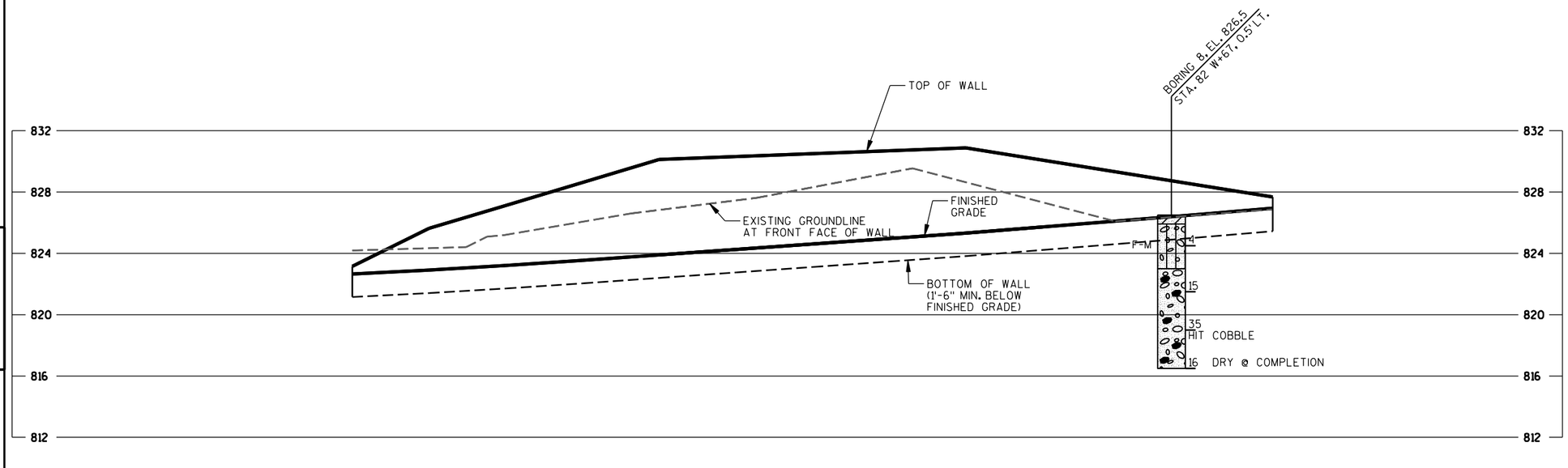
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STATE PROJECT NUMBER

5990-00-38



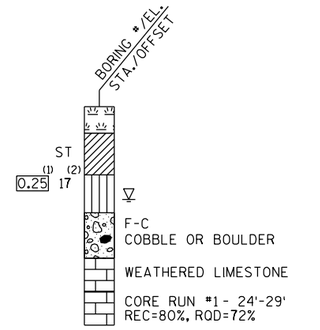
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
8	10-23-2017	268,968.5	508,455.9
BORINGS COMPLETED BY: NUMMELIN TESTING SERVICES, INC.			
REPORT COMPLETED BY: NUMMELIN TESTING SERVICES, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) ROCK COUNTY			



MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-53-83

DRAWN BY RLR | PLANS CK'D. DHW

SUBSURFACE EXPLORATION

SHEET 3 OF 3
245

FILE= 373030_R-13-307_05.DGN
DATE= 8/28/2018

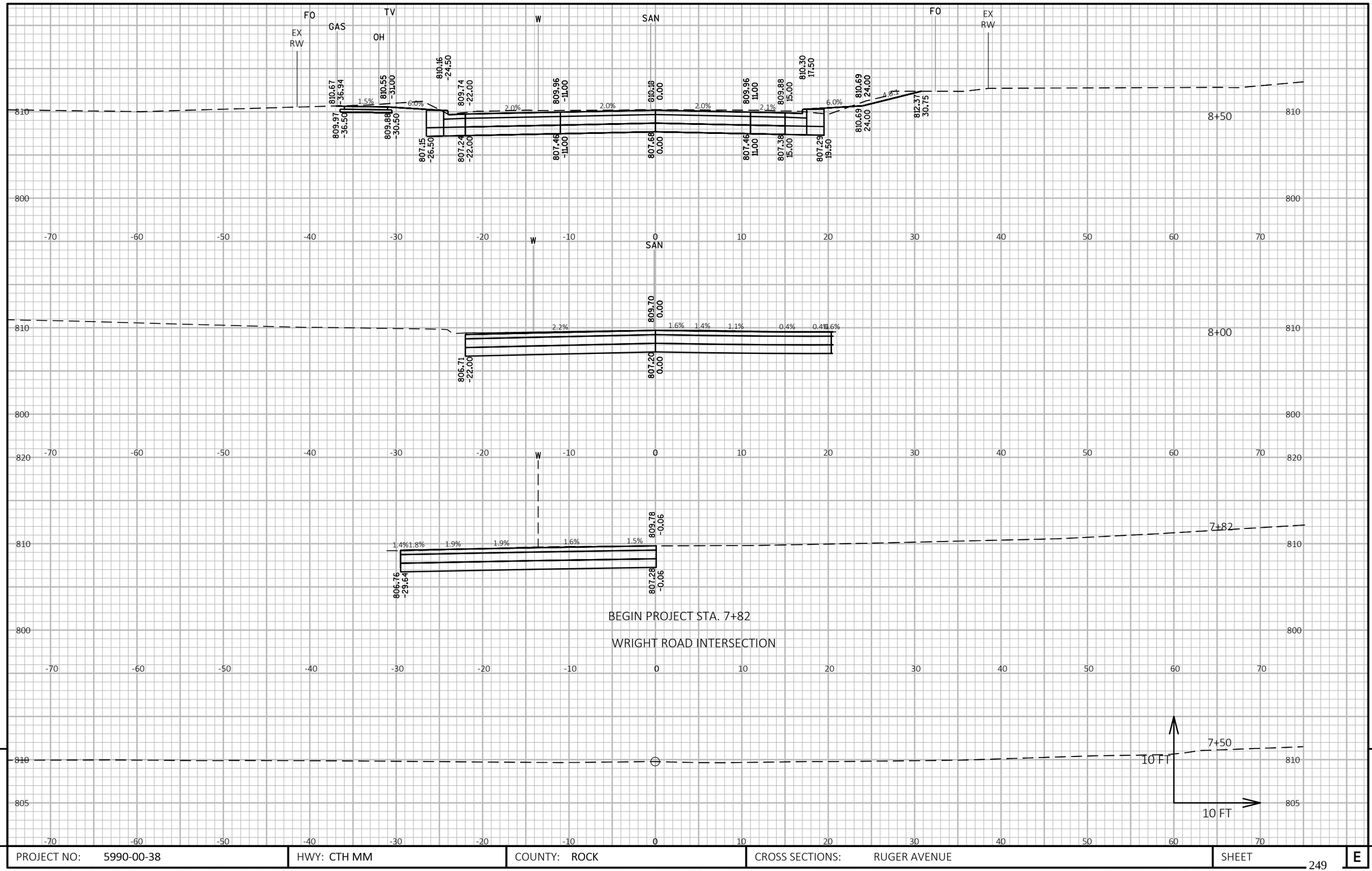
7052024_03.dgn 8/28/2018 1:29:13 PM rrabska

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)	
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25
						Note 1	Note 2	Note 3	Note 1	
07+00	700	0	0	0.00	0	0	0	0	0	0
07+50	750	50	0	0.00	0	0	0	0	0	0
07+82	782	32	78.12	13.75	0	46	8	0	46	0
08+00	800	18	142.38	22.00	0	74	12	0	120	0
08+50	850	50	135.46	12.88	1.29	257	32	1	377	1
09+00	900	50	141.23	11.04	1.32	256	22	2	633	5
09+15	915	15	144.55	11.04	0	79	6	0	713	5
09+50	950	35	119.87	11.04	3.58	171	14	2	884	8
10+00	1000	50	127.89	11.04	3.04	229	20	6	1113	16
10+55	1055	55	130.82	11.04	1.21	264	22	4	1377	21
10+89	1089	34	139.77	11.04	1.48	170	14	2	1547	23
11+00	1100	11	124.75	11.04	1.69	54	4	1	1601	24
11+50	1150	50	153.77	11.04	3.56	258	20	5	1859	30
12+00	1200	50	137.81	11.04	3.05	270	20	6	2129	38
12+50	1250	50	152.24	11.04	1.39	269	20	4	2398	43
13+00	1300	50	150.06	11.04	1.32	280	20	3	2678	46
13+50	1350	50	184.44	11.04	0.41	310	20	2	2987	48
14+00	1400	50	142.45	11.04	0.97	303	20	1	3290	49
14+50	1450	50	134.33	11.04	3.83	256	20	4	3546	55
15+00	1500	50	115.71	11.04	4.45	232	20	8	3778	65
15+50	1550	50	132.27	11.04	2.02	230	20	6	4007	72
16+00	1600	50	116.5	11.04	5.17	230	20	7	4238	80
16+50	1650	50	132.35	11.04	1.7	230	20	6	4468	88
17+00	1700	50	153.85	11.04	0.59	265	20	2	4733	91
17+50	1750	50	163.88	11.04	0.4	294	20	1	5027	92
17+65	1765	15	180.15	11.04	0.4	96	6	0	5123	92
18+00	1800	35	161.03	11.04	0.44	209	14	1	5332	93
18+50	1850	50	138.76	11.04	3.51	278	20	4	5609	98
19+00	1900	50	120.06	11.04	5.7	240	20	9	5849	108
19+50	1950	50	114.68	11.04	4.28	217	20	9	6066	120
20+00	2000	50	119.93	11.04	1.77	217	20	6	6283	127
20+11	2011	11	129.7	11.04	0.83	51	4	1	6334	128
20+50	2050	39	110.72	11.04	13.13	174	16	10	6508	140
21+00	2100	50	107.73	11.04	36.49	202	20	46	6710	198
21+50	2150	50	76.38	11.04	37.87	170	20	69	6881	284
21+75	2175	25	74.52	11.04	23.88	70	10	29	6950	319
22+00	2200	25	64.99	11.04	24.57	65	10	22	7015	347
22+50	2250	50	59.64	11.04	43.85	115	20	63	7130	427
23+00	2300	50	47.99	11.04	57.14	100	20	94	7230	544
23+50	2350	50	64.91	11.04	54.17	105	20	103	7335	672
24+00	2400	50	80.41	11.04	46.16	135	20	93	7469	789
24+50	2450	50	96.4	11.04	64.06	164	20	102	7633	916
25+00	2500	50	136.49	22.77	57.57	216	31	113	7849	1057
25+50	2550	50	91.64	11.04	46.64	211	31	96	8060	1177
26+00	2600	50	108.47	11.04	27.75	185	20	69	8245	1264
26+50	2650	50	115.56	11.04	50.56	207	20	73	8453	1354
27+00	2700	50	122.14	11.04	48.8	220	20	92	8673	1469
27+50	2750	50	126.37	11.04	32.73	230	20	75	8903	1564
28+00	2800	50	121.93	11.04	25.23	230	20	54	9133	1631
28+50	2850	50	122.74	11.04	9.11	227	20	32	9359	1670
29+00	2900	50	246.45	11.04	22.19	342	20	29	9701	1707
29+50	2950	50	143.52	11.04	13.61	361	20	33	10062	1748
30+00	3000	50	182.31	11.04	7.36	302	20	19	10364	1772
30+50	3050	50	170.88	11.04	11.73	327	20	18	10691	1794
31+00	3100	50	166.38	11.04	10.38	312	20	20	11003	1820
31+50	3150	50	162.72	11.04	8.75	305	20	18	11308	1842
31+70	3170	20	172.5	11.04	9.46	124	8	7	11432	1851
32+00	3200	30	146.21	11.04	8.71	177	12	10	11609	1863
32+50	3250	50	129.45	11.04	10.35	255	20	18	11864	1885
33+00	3300	50	150.79	11.04	2.75	259	20	12	12124	1900
33+50	3350	50	147.68	11.04	8.06	276	20	10	12400	1913
34+00	3400	50	193.14	11.04	0.06	316	20	8	12716	1922
34+50	3450	50	148.03	11.04	0.86	316	20	1	13032	1923
35+00	3500	50	169.04	11.04	0	294	20	1	13325	1924
35+50	3550	50	117.76	11.04	4.64	266	20	4	13591	1930

continued...

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate Note 8
35+65	3565	15	132.79	11.04	5.36	70	6	3	13660	1933	10554
36+00	3600	35	109.38	11.04	9.82	157	14	10	13817	1946	10684
36+50	3650	50	272.12	37.26	0	353	45	9	14171	1957	10981
36+75	3675	25	287.32	53.36	0	259	42	0	14430	1957	11198
37+00	3700	25	257.15	29.44	0	252	38	0	14682	1957	11412
37+50	3750	50	140.03	11.04	22.69	368	37	21	15049	1983	11716
38+00	3800	50	148.27	11.04	12.96	267	20	33	15316	2024	11921
38+50	3850	50	139.46	11.04	18.51	266	20	29	15583	2061	12131
39+00	3900	50	149.48	11.04	9.98	268	20	26	15850	2094	12345
39+50	3950	50	155.88	11.04	5.52	283	20	14	16133	2112	12589
39+70	3970	20	188.77	11.04	4.39	128	8	4	16261	2116	12704
40+00	4000	30	138.97	11.04	21.71	182	12	15	16443	2134	12856
40+50	4050	50	136.98	11.04	21.97	256	20	40	16698	2185	13040
41+00	4100	50	138.62	11.04	13.73	255	20	33	16953	2226	13234
41+50	4150	50	205.59	11.04	1.73	319	20	14	17272	2244	13514
41+65	4165	15	197.52	11.04	1.47	112	6	1	17384	2245	13619
42+00	4200	35	179.4	11.04	4.23	244	14	4	17628	2250	13844
42+50	4250	50	182.54	11.04	4.15	335	20	8	17964	2260	14149
42+85	4285	35	184.16	11.04	4.01	238	14	5	18201	2266	14366
43+00	4300	15	186.77	11.04	1.7	103	6	2	18304	2268	14461
43+50	4350	50	184.92	11.04	2.45	344	20	4	18648	2273	14780
43+60	4360	10	197.88	11.04	2.97	71	4	1	18719	2274	14845
43+90	4390	30	179.8	11.04	12.19	210	12	8	18929	2285	15032
44+00	4400	10	171.07	11.04	15.21	65	4	5	18994	2291	15087
44+50	4450	50	178.85	11.04	19.09	324	20	32	19318	2331	15351
45+00	4500	50	240.35	11.04	0	388	20	18	19706	2353	15696
45+38	4538	38	271.86	11.04	0.04	360	16	0	20067	2353	16041
45+50	4550	12	276.91	11.04	0	122	5	0	20189	2353	16158
46+00	4600	50	186.56	11.04	4.66	429	20	4	20618	2358	16561
46+45	4645	45	191.37	11.04	43.8	315	18	40	20933	2409	16808
46+50	4650	5	193.12	11.04	41.01	36	2	8	20968	2419	16831
47+00	4700	50	135.68	11.04	87.72	304	20	119	21273	2568	16966
47+50	4750	50	149.73	11.04	172.61	264	20	241	21537	2869	16909
48+00	4800	50	193.19	11.04	169.78	318	20	317	21855	3265	16810
48+50	4850	50	238.82	11.04	21.17	400	20	177	22255	3486	16968
49+00	4900	50	116.18	11.04	33.92	329	20	51	22583	3550	17213
49+50	4950	50	127.56	11.04	2.1	226	20	33	22809	3592	17376
49+90	4990	40	138.25	11.04	3.5	197	16	4	23006	3597	17552
50+00	5000	10	136.26	11.04	3.07	51	4	1	23057	3598	17597
50+35	5035	35	148.24	11.04	0	184	14	2	23241	3601	17764
50+50	5050	15	132.09	11.04	1.56	78	6	0	23319	3602	17836
51+00	5100	50	145.9	11.04	0	257	20	1	23576	3603	18071
51+35	5135	35	155.78	11.04	0	196	14	0	23772	3603	18252
51+50	5150	15	129.26	11.04	2.53	79	6	1	23851	3604	18324
51+75	5175	25	133.44	11.04	3.33	122	10	3	23973	3608	18432
52+00	5200	25	114.51	11.04	9.37	115	10	6	24087	3615	18529
52+35	5235	35	127.85	11.04	1.66	157	14	7	24245	3624	18663
52+50	5250	15	114.89	11.04	4.29	67	6	2	24312	3626	18722
52+75	5275	25	143.4	11.04	0	120	10	2	24432	3628	18829
53+00	5300	25	108.89	11.04	7.82	117	10	4	24548	3633	18931
53+35	5335	35	115.42	11.04	0	145	14	5	24694	3639	19056
53+50	5350	15	289.27	50.14	5.11	112	17	1	24806	3641	19150
53+80	5380	30	307.17	51.06	0	331	56	3	25138	3645	19421
54+00	5400	20	111.02	19.78	3.84	155	26	1	25292	3646	19548
54+25	5425	25	129.06	11.04	12.33	111	14	7	25404	3656	19636
54+50	5450	25	129.49	11.04	2.74	120	10	7	25523	3664	19736
55+00	5500	50	125.65	11.04	6.93	236	20	9	25759	3676	19941
55+50	5550	50	120.57	11.04	0.35	228	20	7	25987	3684	20140
56+00	5600	50	109.22	11.04	3.76	213	20	4	26200	3689	20328
56+50	5650	50	113.67	11.04	1.22	206	20	5	26407	3695	20508
57+00	5700	50	120.42	11.04	2.7	217	20	4	26623	3699	20700
57+50	5750	50	117.68	11.04	0.07	220	20	3	26844	3702	20896
58+00	5800	50	113.49	11.04	2.83	214	20	3	27058	3706	21087
58+20	5820	20	108.61	11.04	4.12	82	8	3	27140	3709	21158
58+40	5840	20	118.37	11.04	1.58	84	8	2	27224	3712	21231
58+50	5850	10	109.71	11.04	3.51	42	4	1	27266	3713	21268
59+00	5900	50	121.19	11.04	0.45	214	20	4	27480	3717	21457
59+30	5930	30	130.77	11.04	0	140	12	0	27620	3718	21584
59+50	5950	20	146.86	11.04	6.02	103	8	2	27723	3720	21676
60+00	6000	50	101.68	11.04	15.78	230	20	20	27953	3746	21860
60+50	6050	50	113.01	15.64	29.2	199	25	42	28152	3798	21982
61+00	6100	50	124.95	18.40	25.74	220	32	51	28372	3861	22108
61+50	6150	50	163.01	28.06	36.24	267	43	57	28639	3933	22259
62+00	6200	50	88.55	17.46	0	233	42	34	28872	3975	22408
62+01	6201	1	91.17	17.48	0	3	1	0	28875	3975	22411
62+25	6225	24	0	0.00	0	41	8	0	28916	3975	22444
62+50	6250	25	0	0.00	0	0	0	0	28916	3975	22444
						28916	2509	3180			

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		Note 8
200+50	20050	0	0	0.00	0	0	0	0	0	0	0
201+00	20100	50	16.34	0.00	0	15	0	0	15	0	15
201+50	20150	50	87.84	0.00	0	96	0	0	112	0	112
202+00	20200	50	64.47	0.00	0	141	0	0	253	0	253
202+50	20250	50	98.85	0.00	0	151	0	0	404	0	404
203+00	20300	50	104.86	0.00	0	189	0	0	592	0	592
203+50	20350	50	136.72	0.00	0	224	0	0	816	0	816
204+00	20400	50	143.24	0.00	0	259	0	0	1075	0	1075
204+50	20450	50	112.22	0.00	0	237	0	0	1312	0	1312
205+00	20500	50	105.81	0.00	0	202	0	0	1514	0	1514
205+50	20550	50	101.73	0.00	0	192	0	0	1706	0	1706
206+00	20600	50	51.75	0.00	0	142	0	0	1848	0	1848
206+13	20613	13	0	0.00	0	12	0	0	1861	0	1861
						1861	0	0			



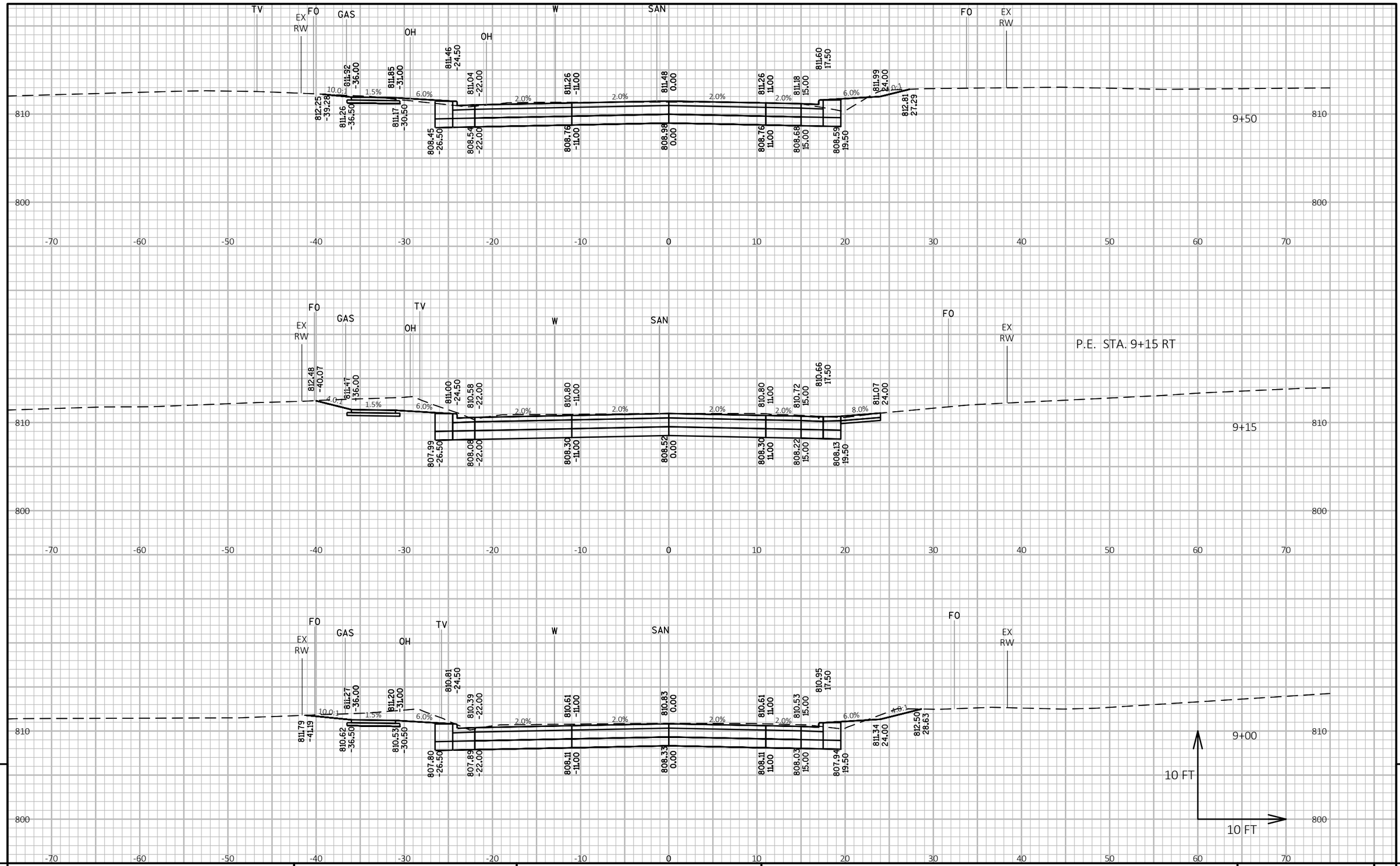
BEGIN PROJECT STA. 7+82

WRIGHT ROAD INTERSECTION

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 249	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9021

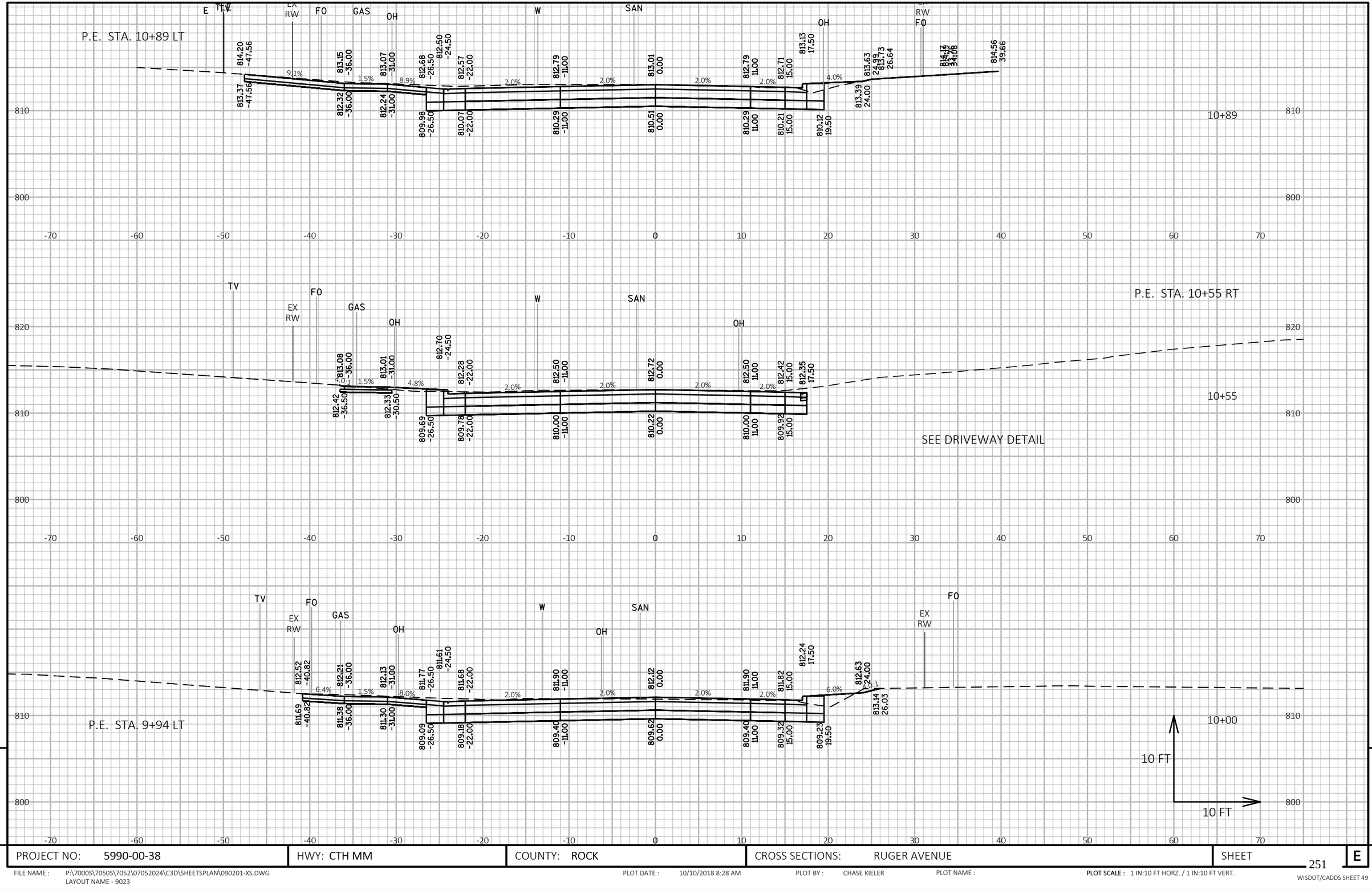
PLOT DATE : 10/10/2018 8:27 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 250	E

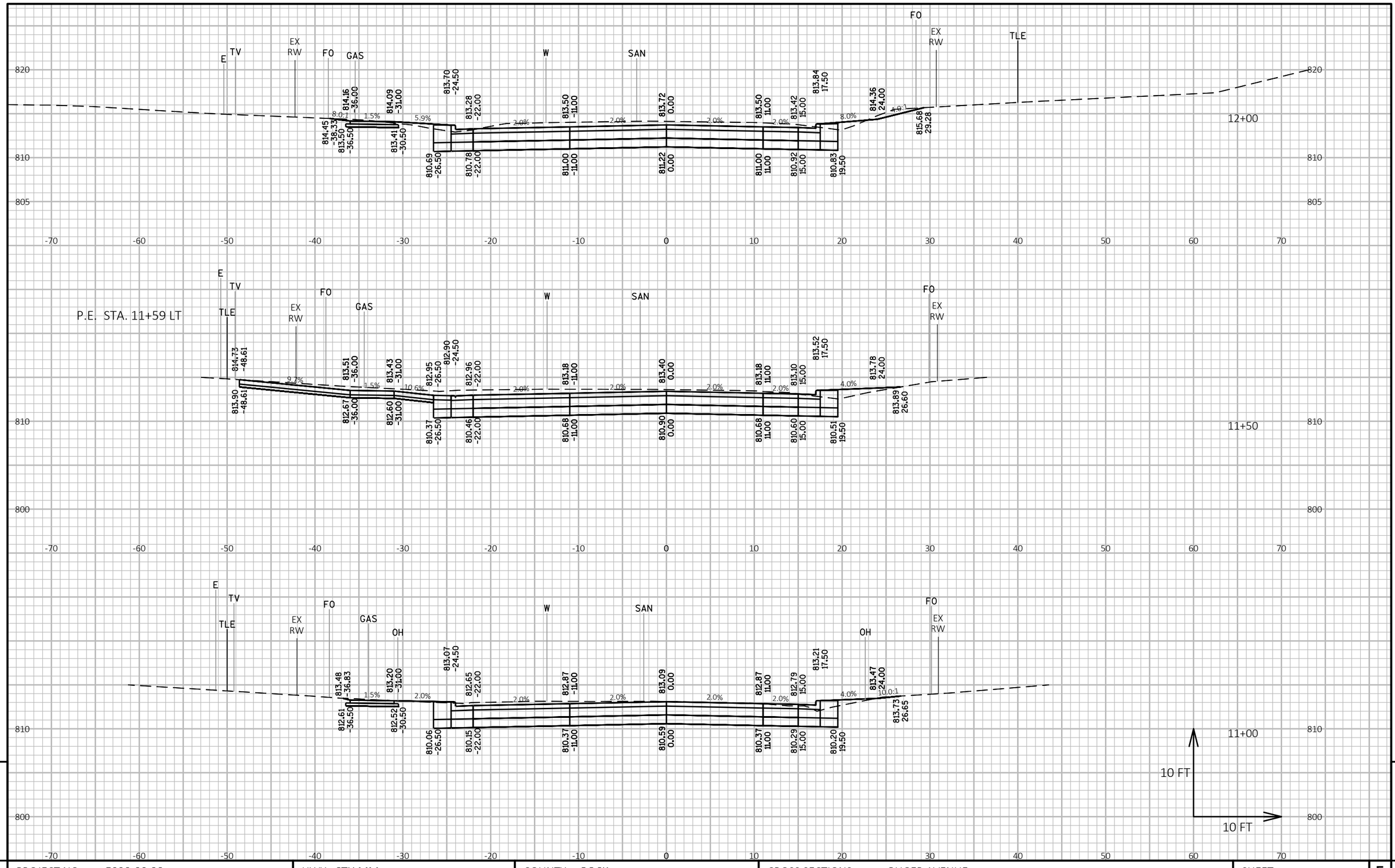
FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9022

PLOT DATE : 10/10/2018 8:27 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 251	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9023
PLOT DATE : 10/10/2018 8:28 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

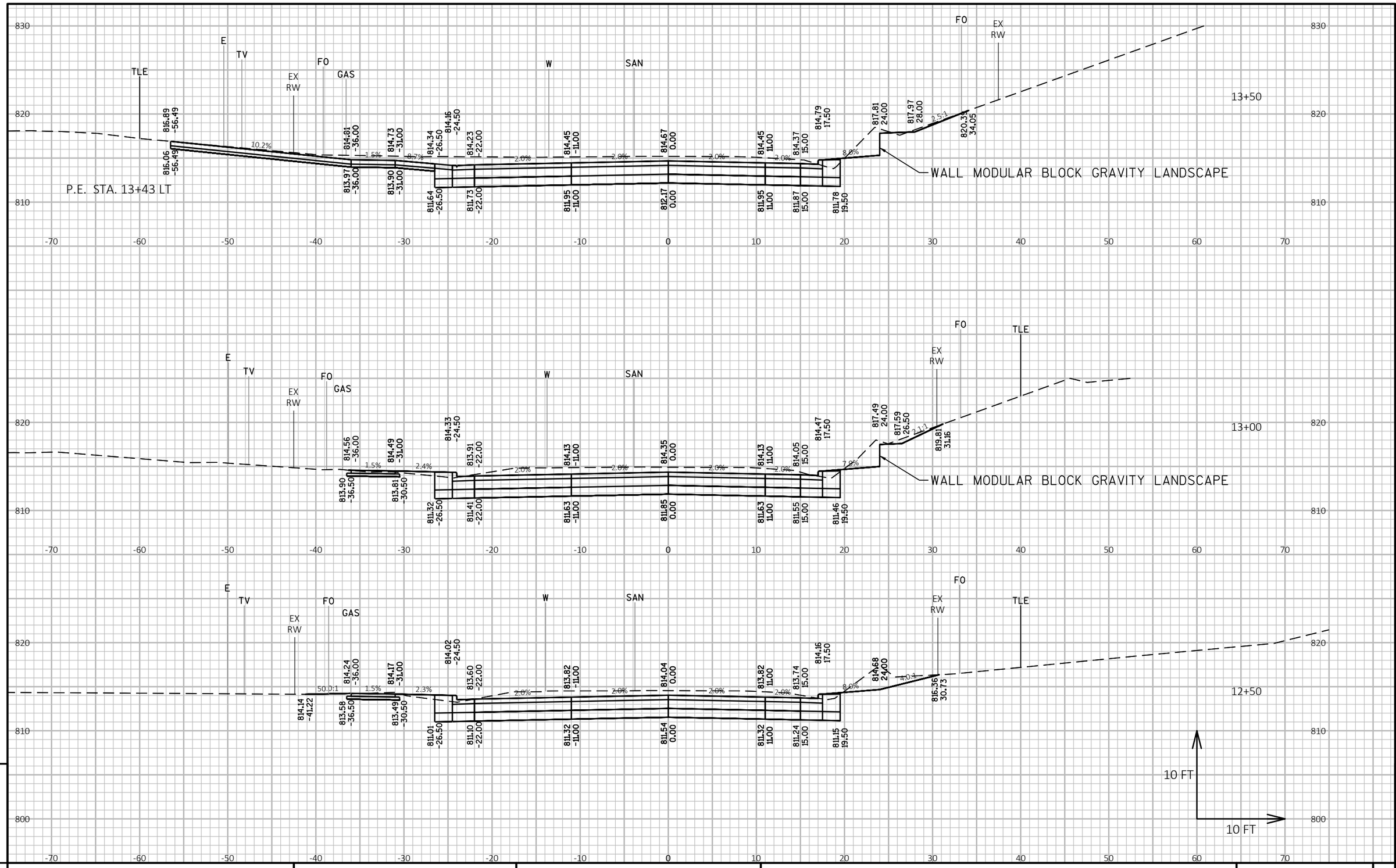


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 252	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9024

PLOT DATE : 10/10/2018 8:28 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

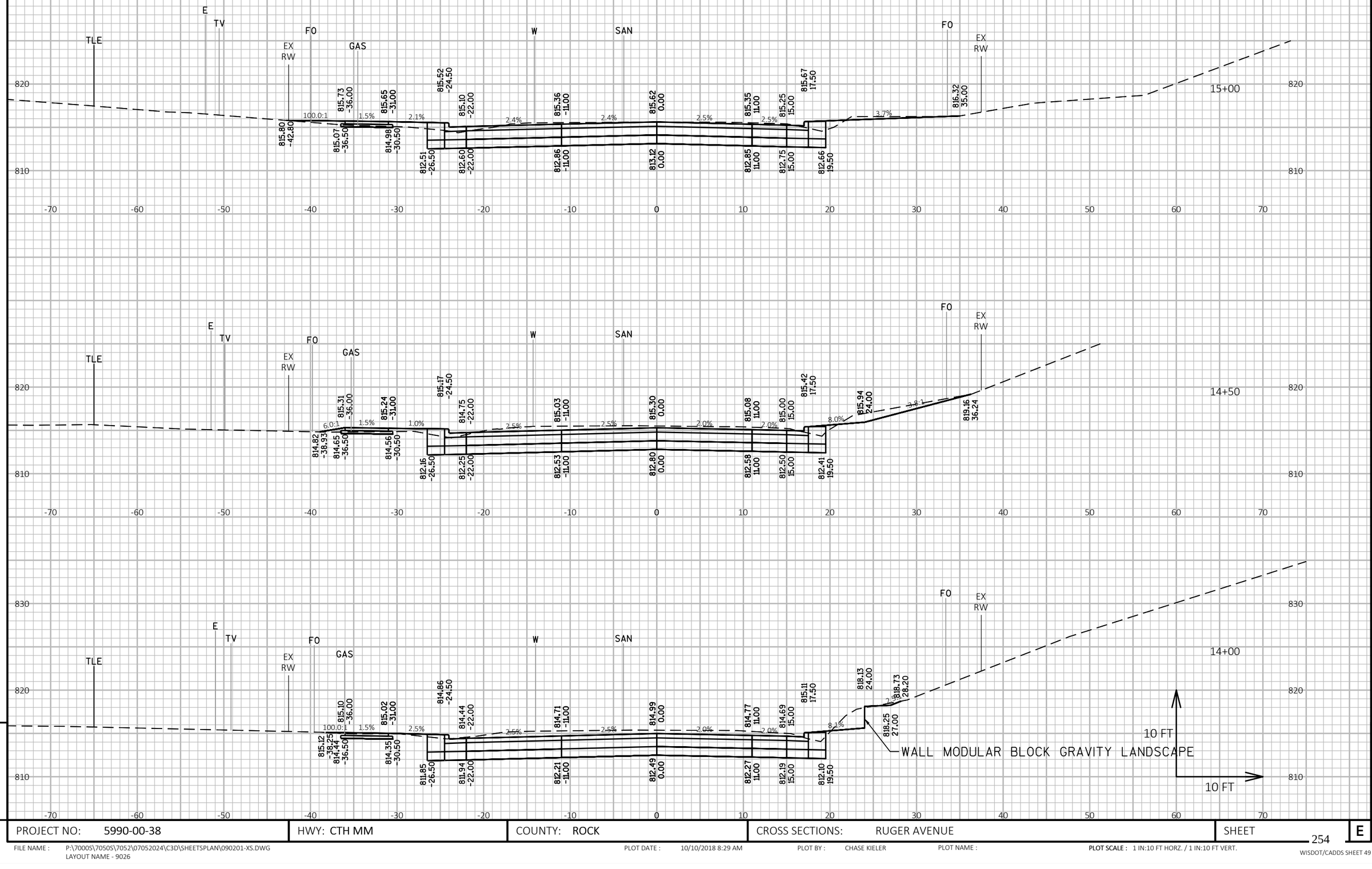
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 253	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9025

PLOT DATE : 10/10/2018 8:28 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

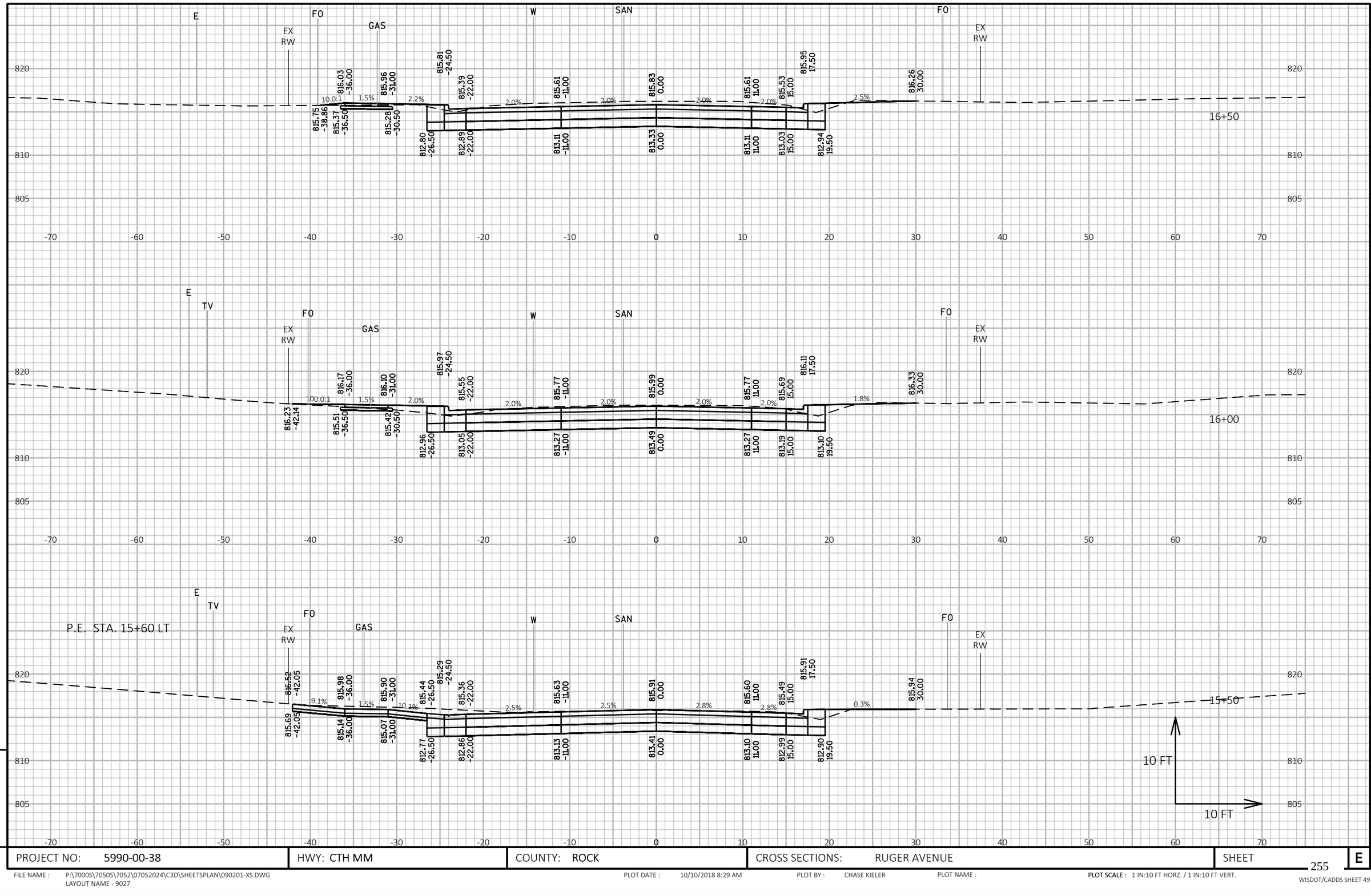


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 254	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9026

PLOT DATE : 10/10/2018 8:29 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

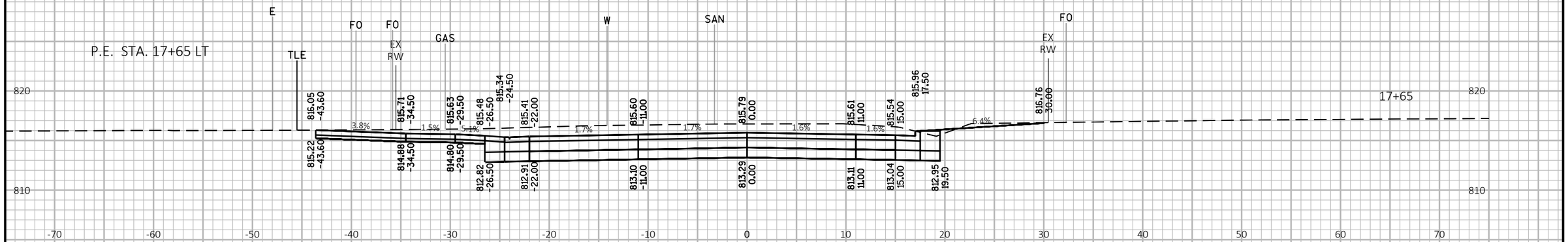


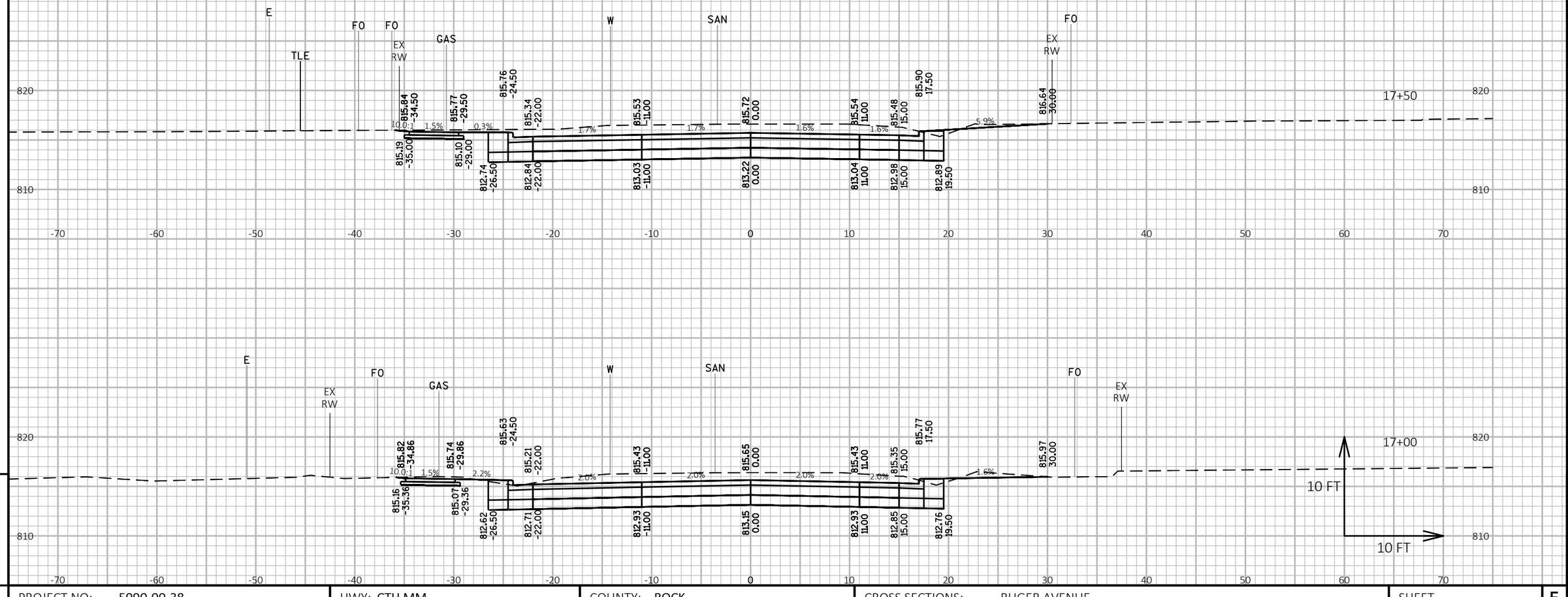
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 255	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9027

PLOT DATE : 10/10/2018 8:29 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

P.E. STA. 17+65 LT

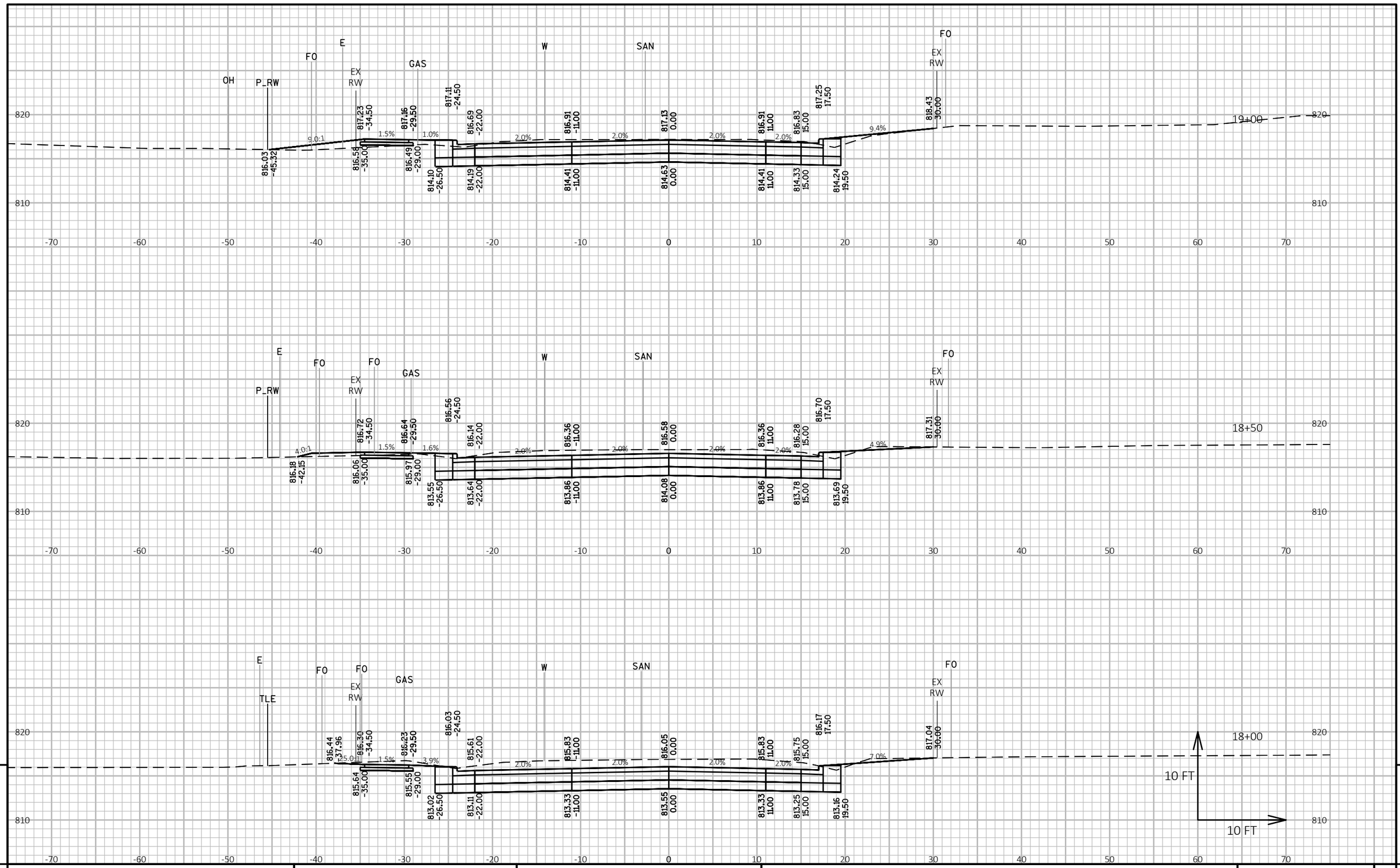




PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 256	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9028

PLOT DATE : 10/10/2018 8:29 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

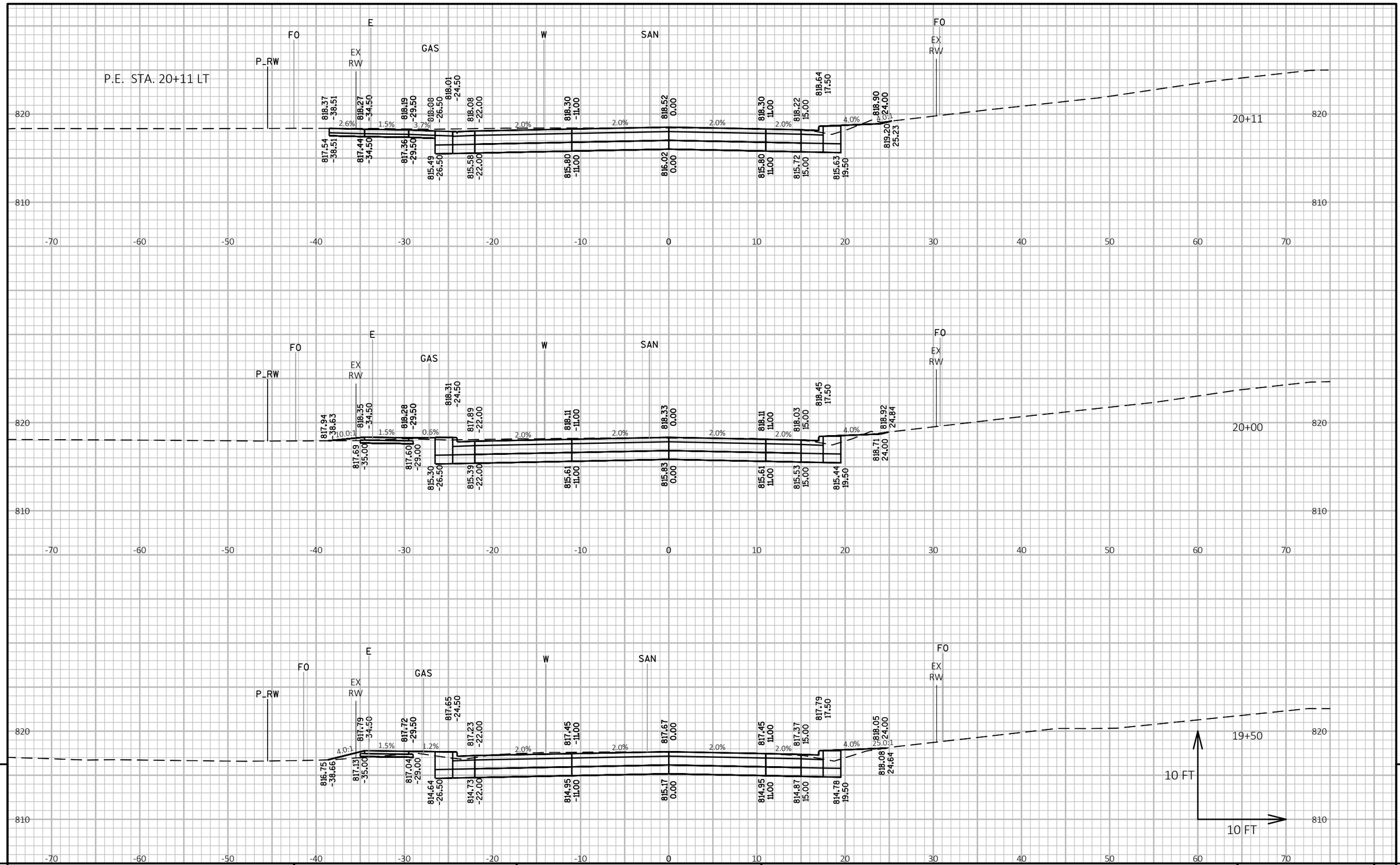


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 257	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9029

PLOT DATE : 10/10/2018 8:30 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

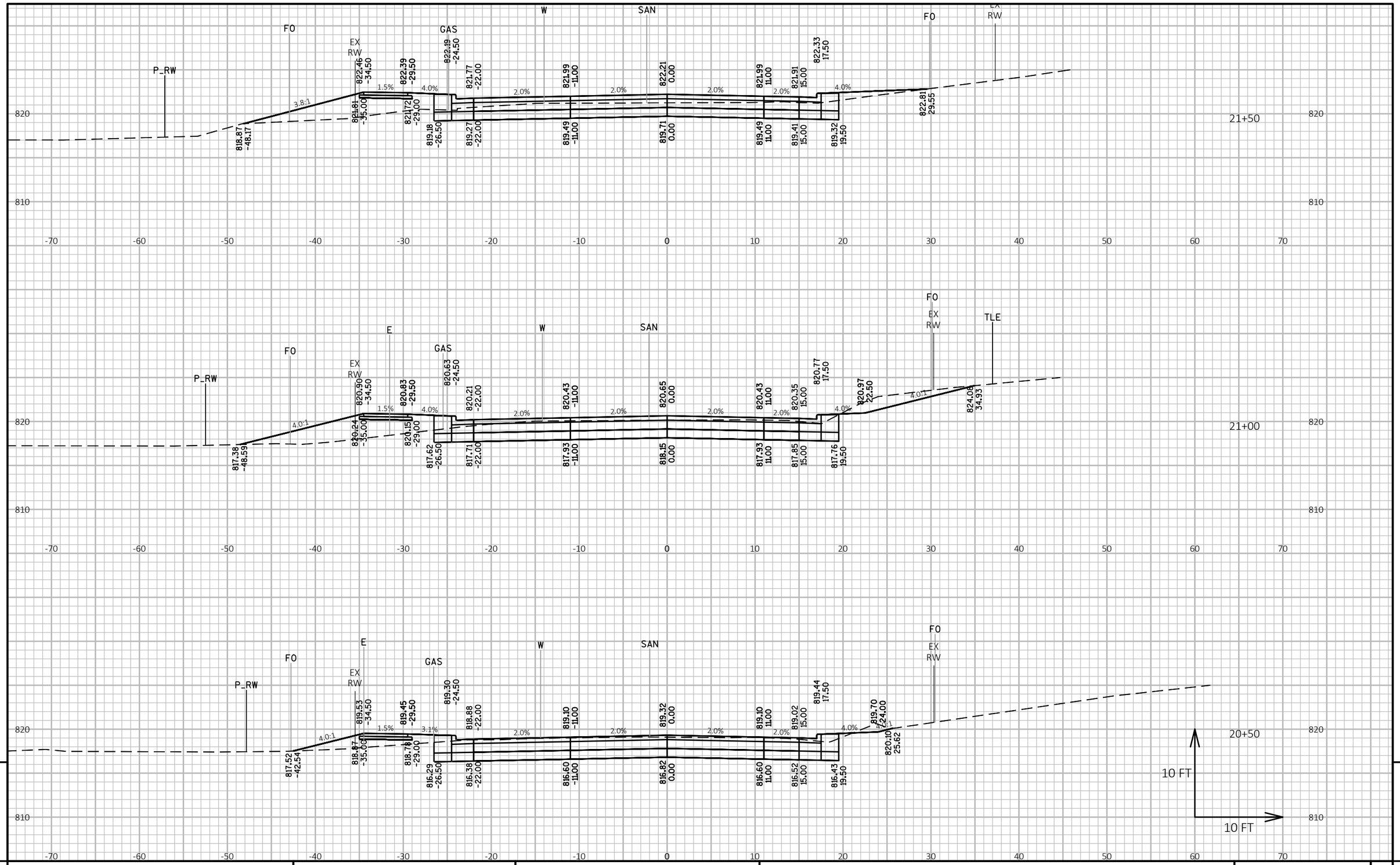
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 258	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90210

PLOT DATE : 10/10/2018 8:30 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

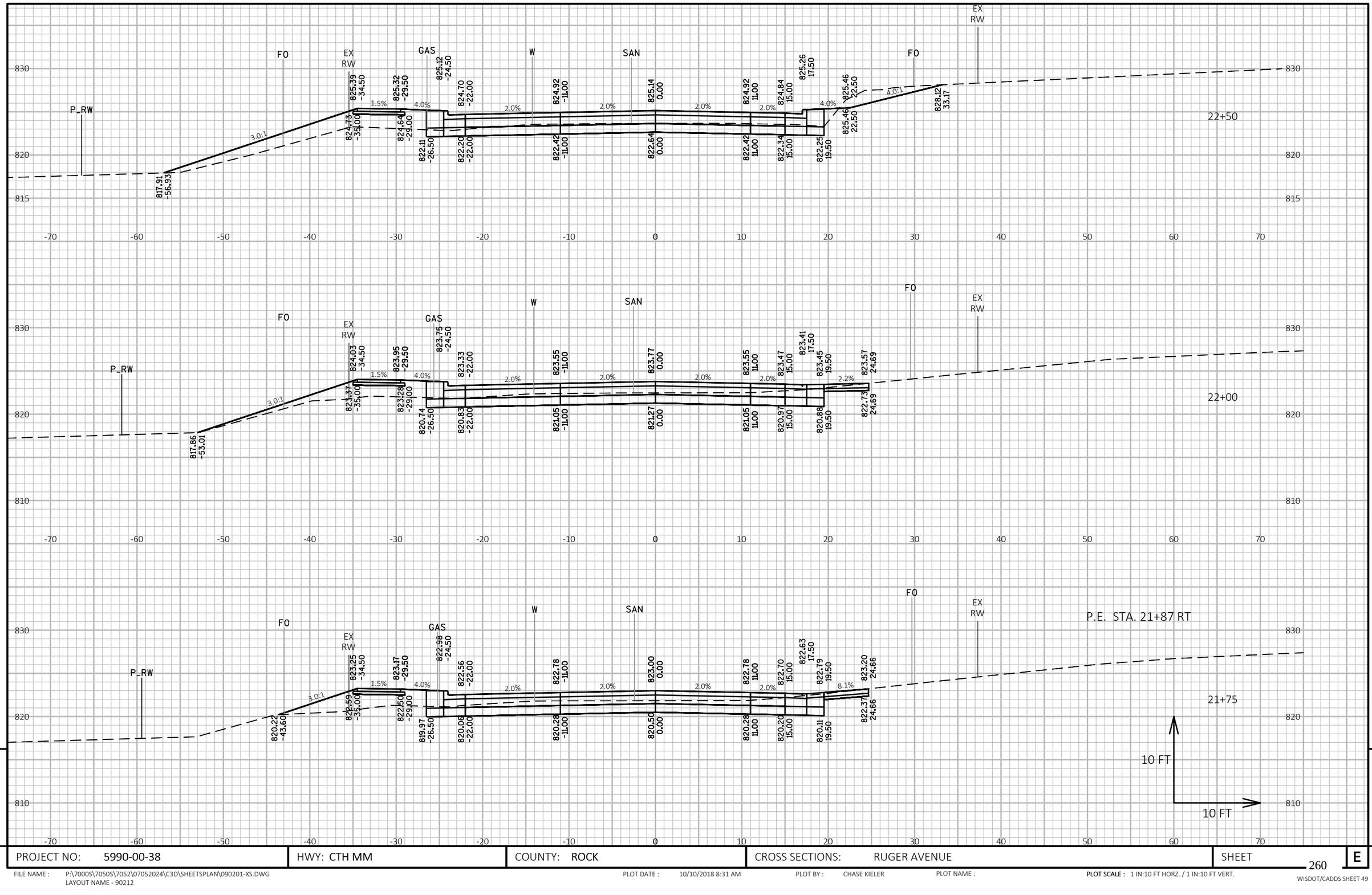


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 259	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90211

PLOT DATE : 10/10/2018 8:30 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

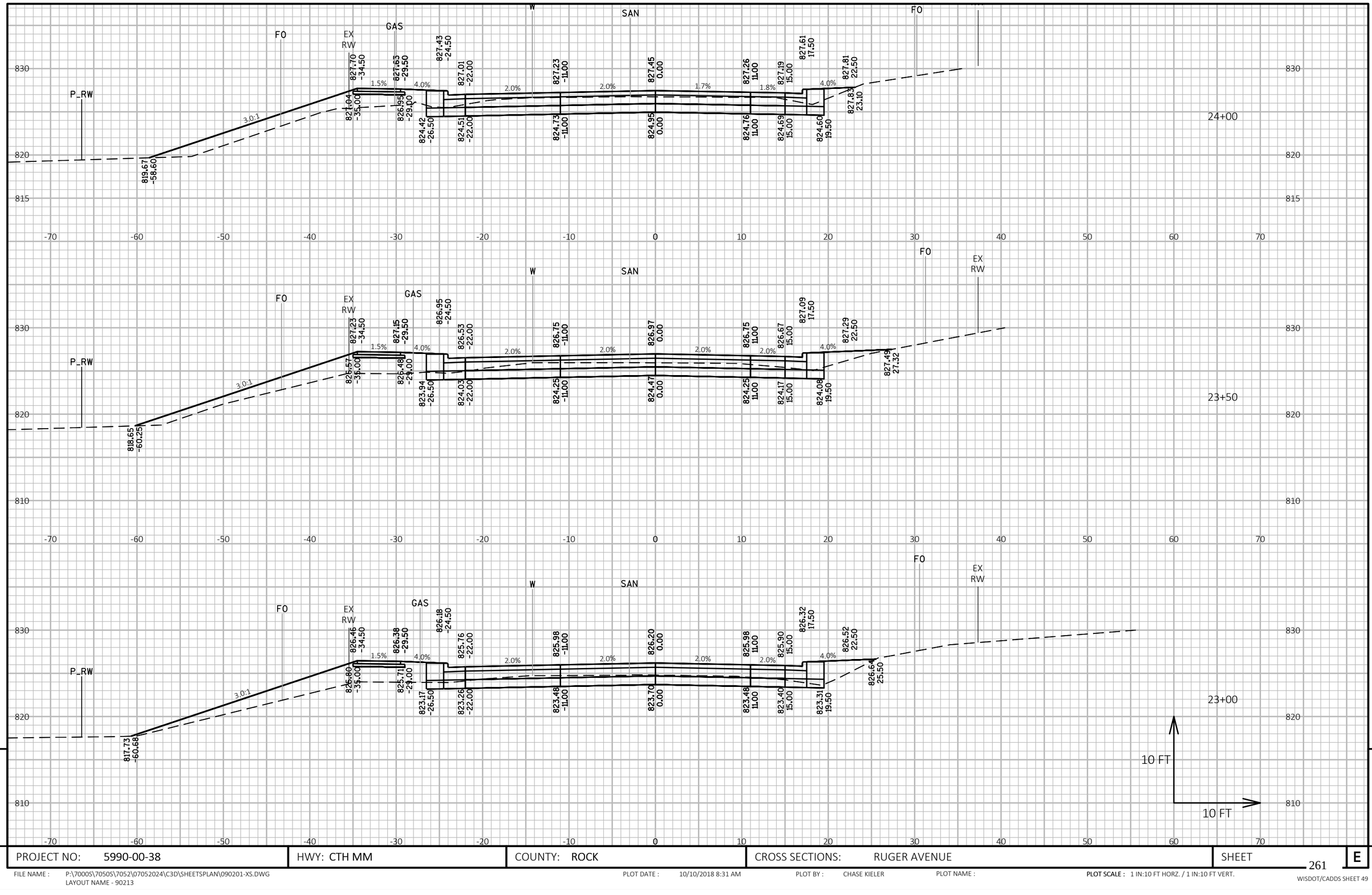
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 260	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90212

PLOT DATE : 10/10/2018 8:31 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

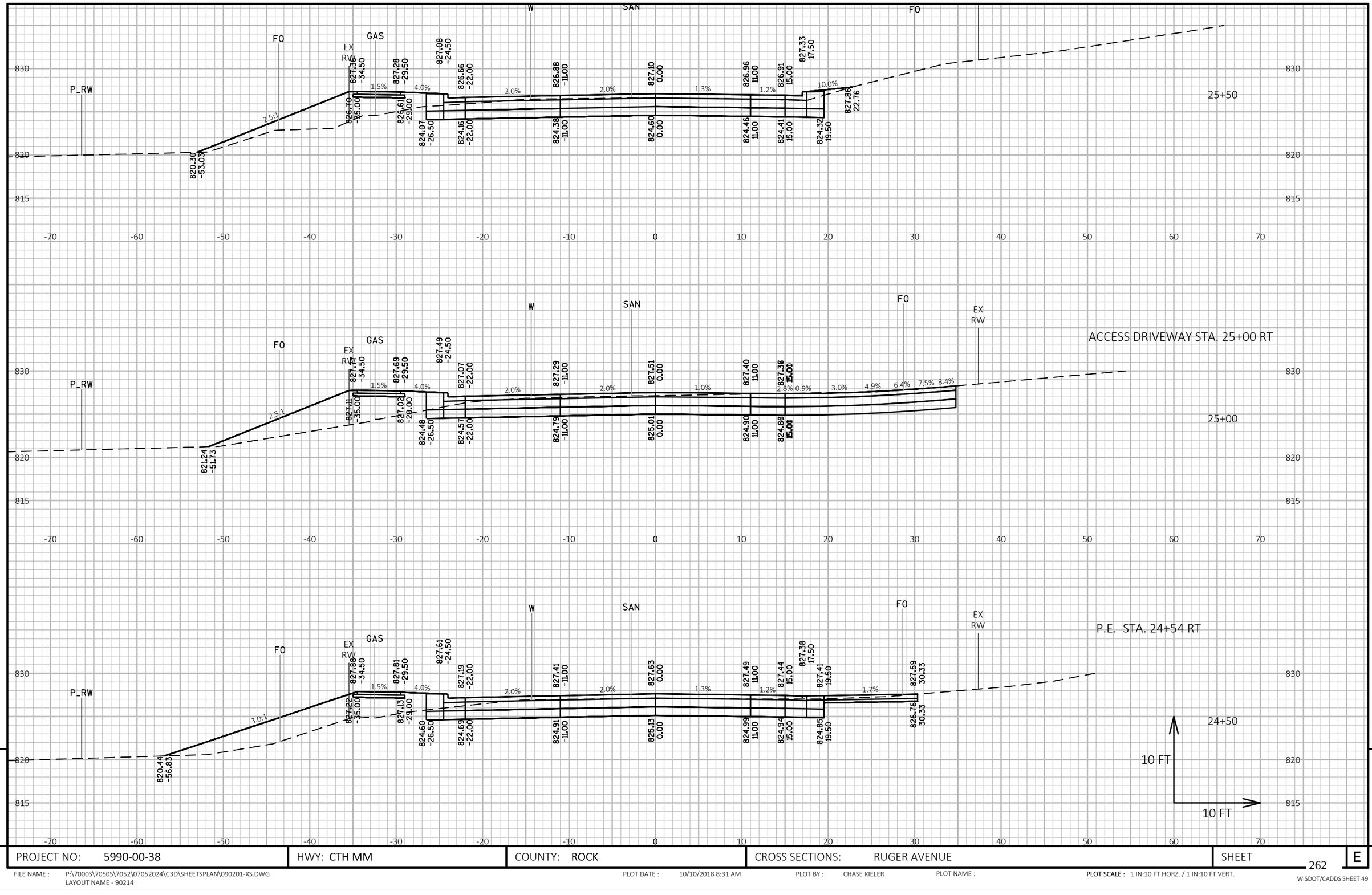


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 261	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90213

PLOT DATE : 10/10/2018 8:31 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

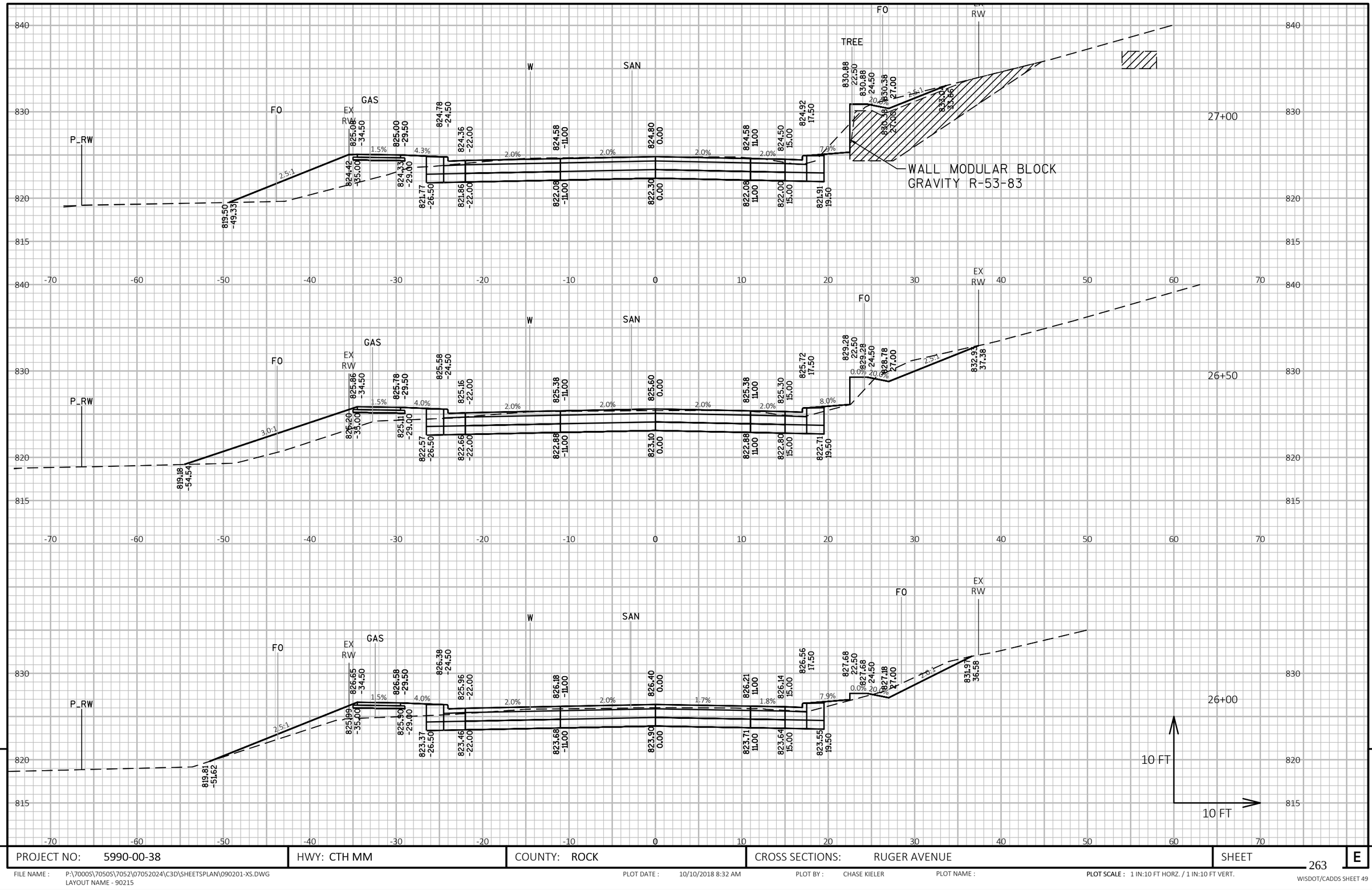


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 262	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90214

PLOT DATE : 10/10/2018 8:31 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

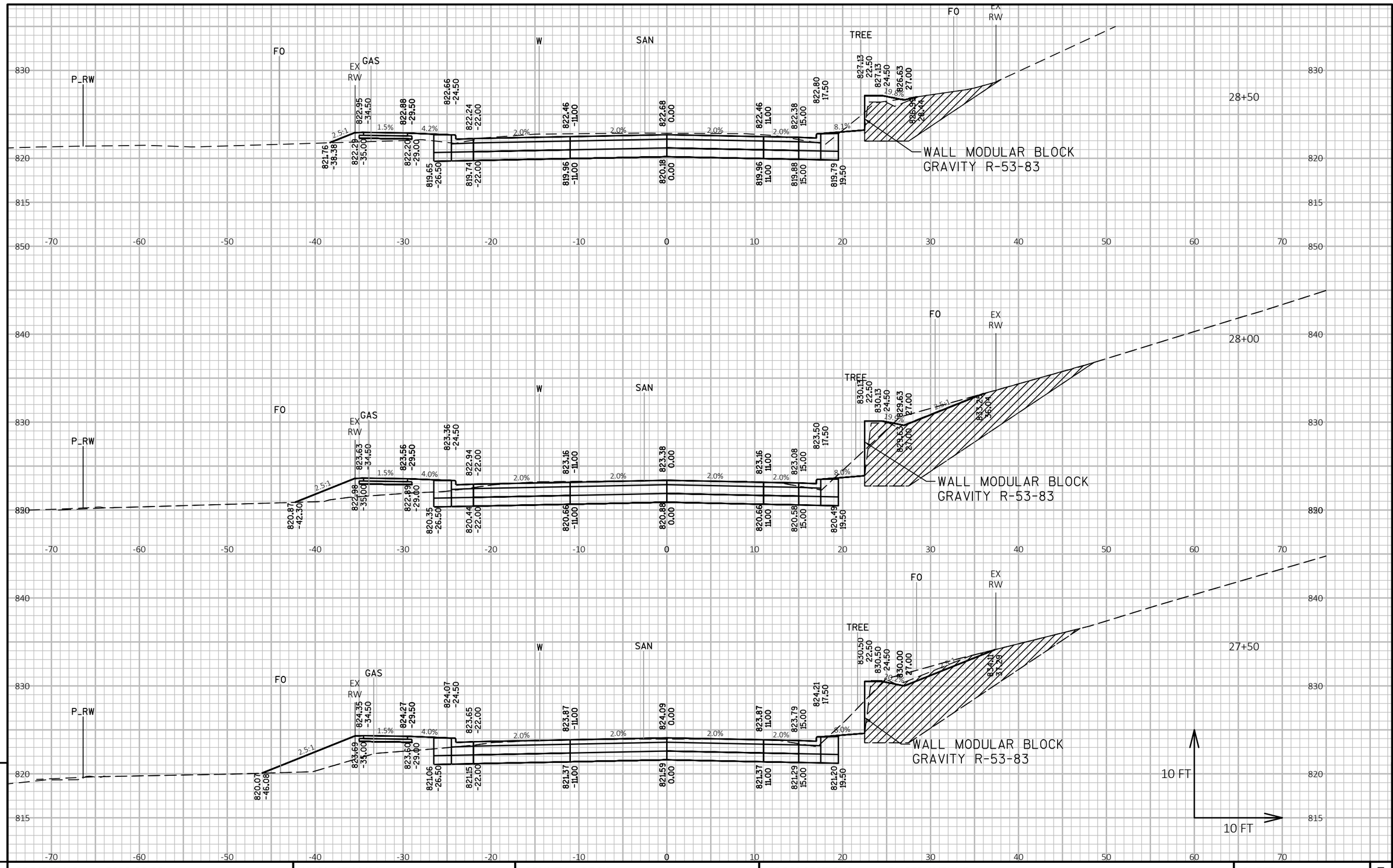


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 263	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90215

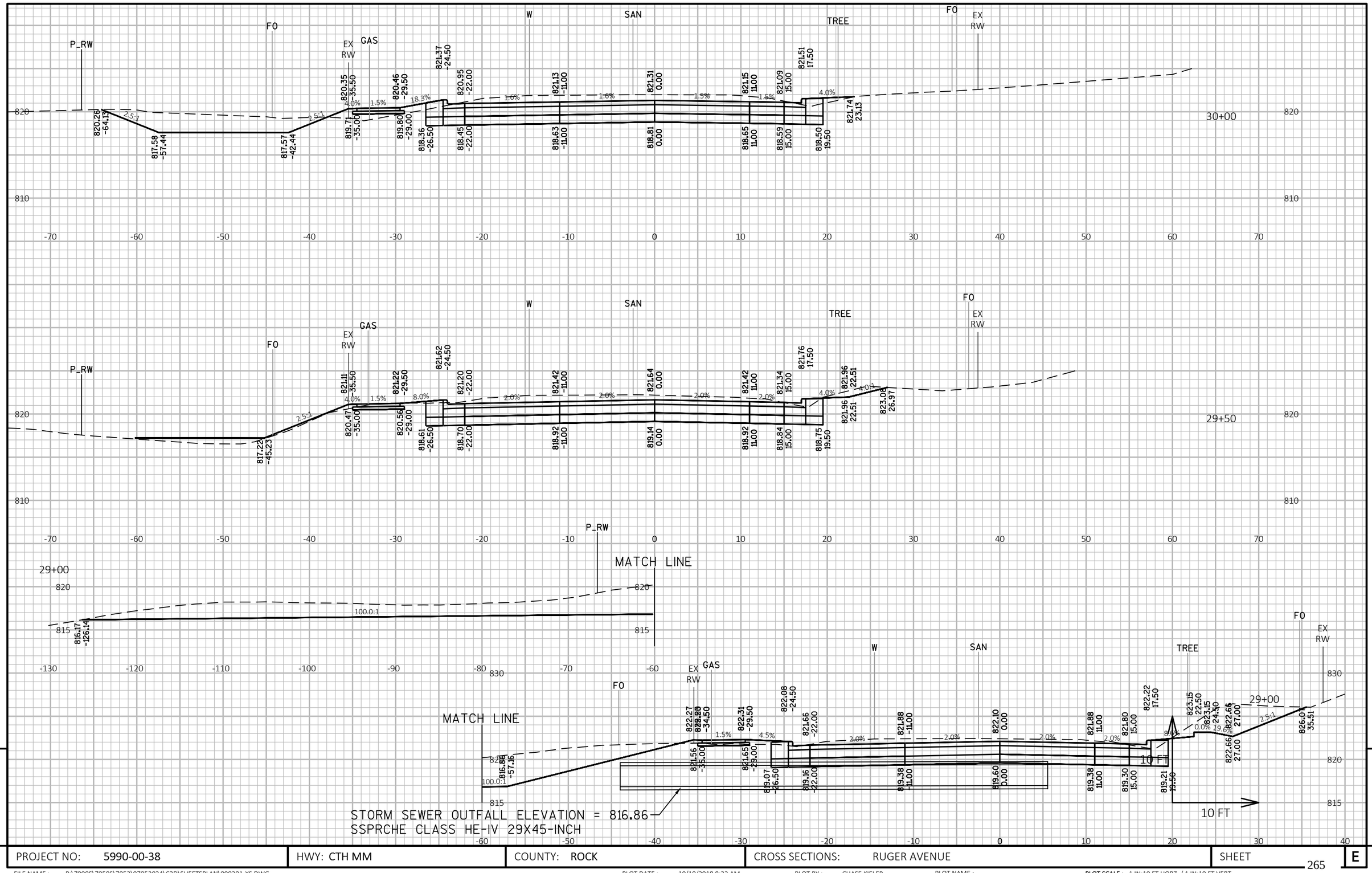
PLOT DATE : 10/10/2018 8:32 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



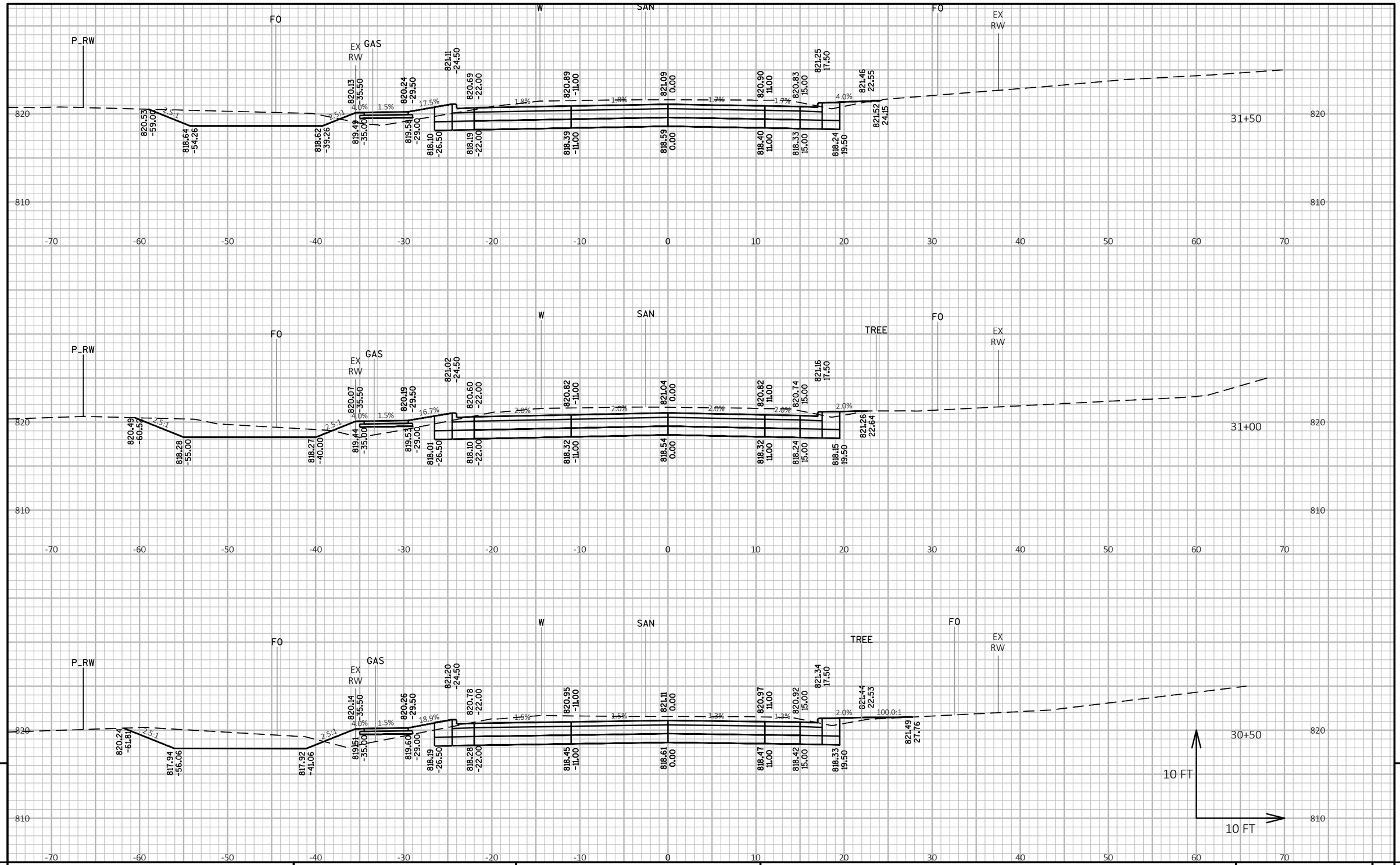
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 264	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90216
PLOT DATE : 10/10/2018 8:32 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 265	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90217
PLOT DATE : 10/10/2018 8:32 AM
PLOT BY : CHASE KIELER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

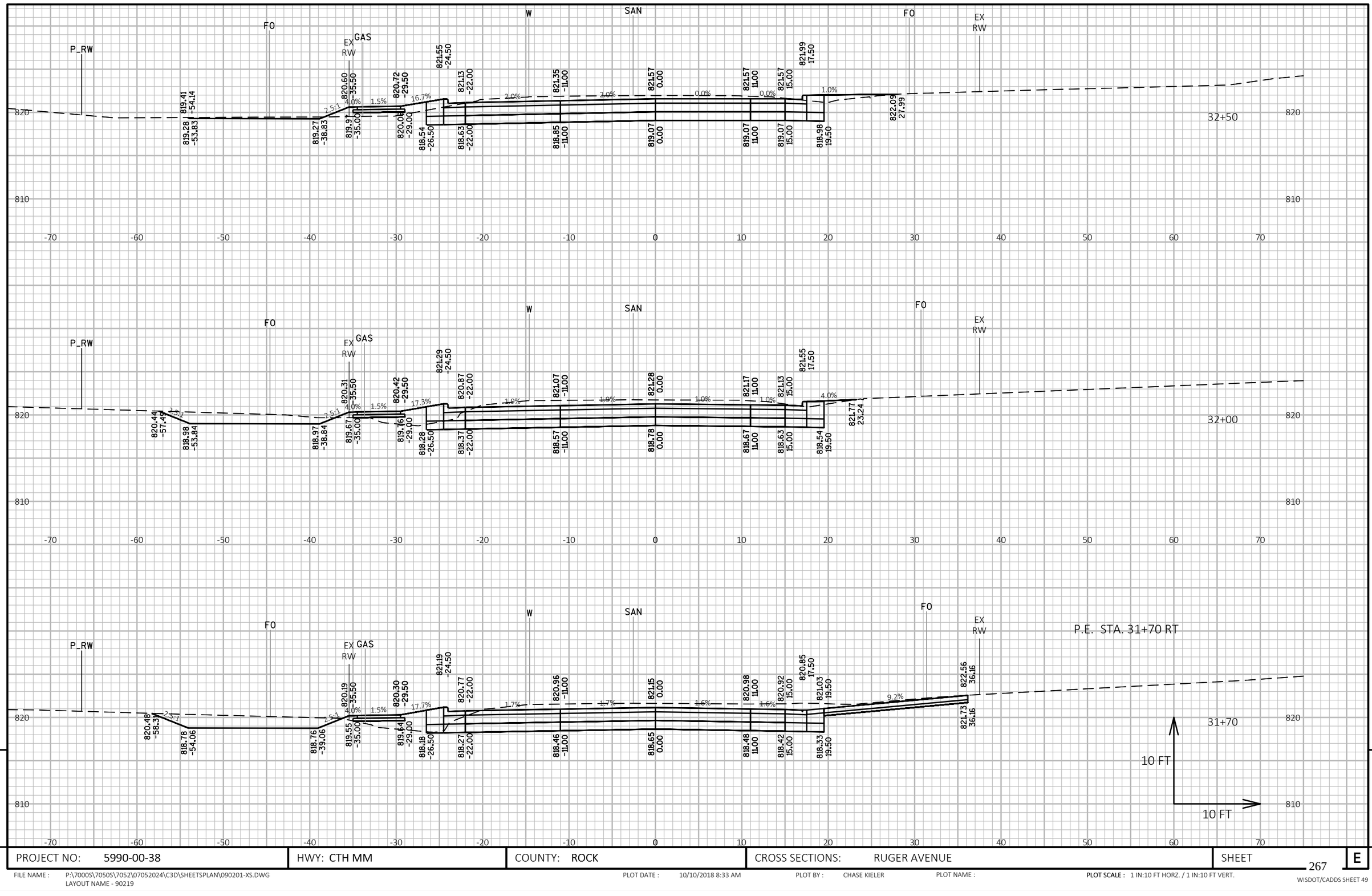


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 266	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90218

PLOT DATE : 10/10/2018 8:33 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

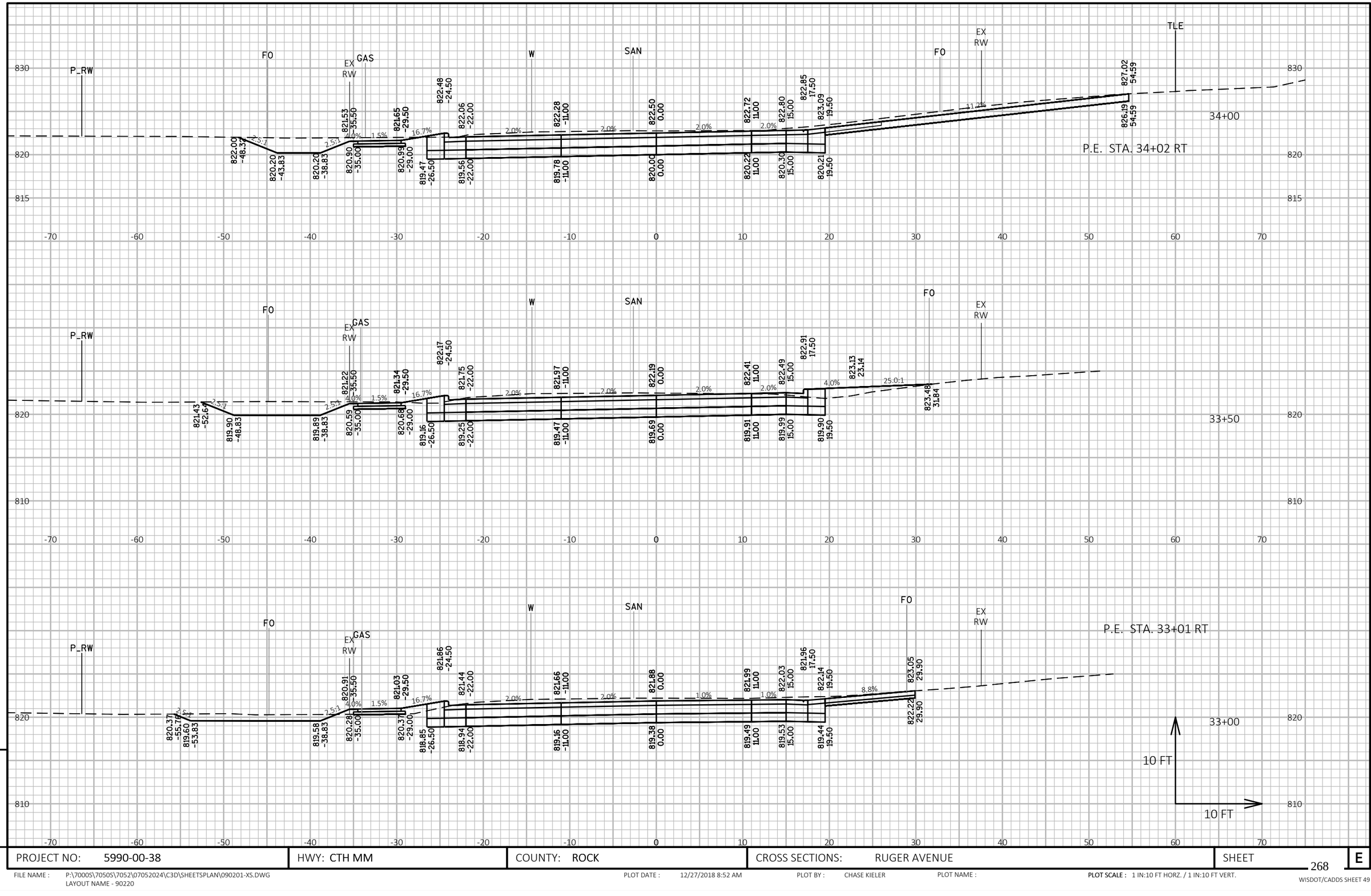


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 267	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90219

PLOT DATE : 10/10/2018 8:33 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

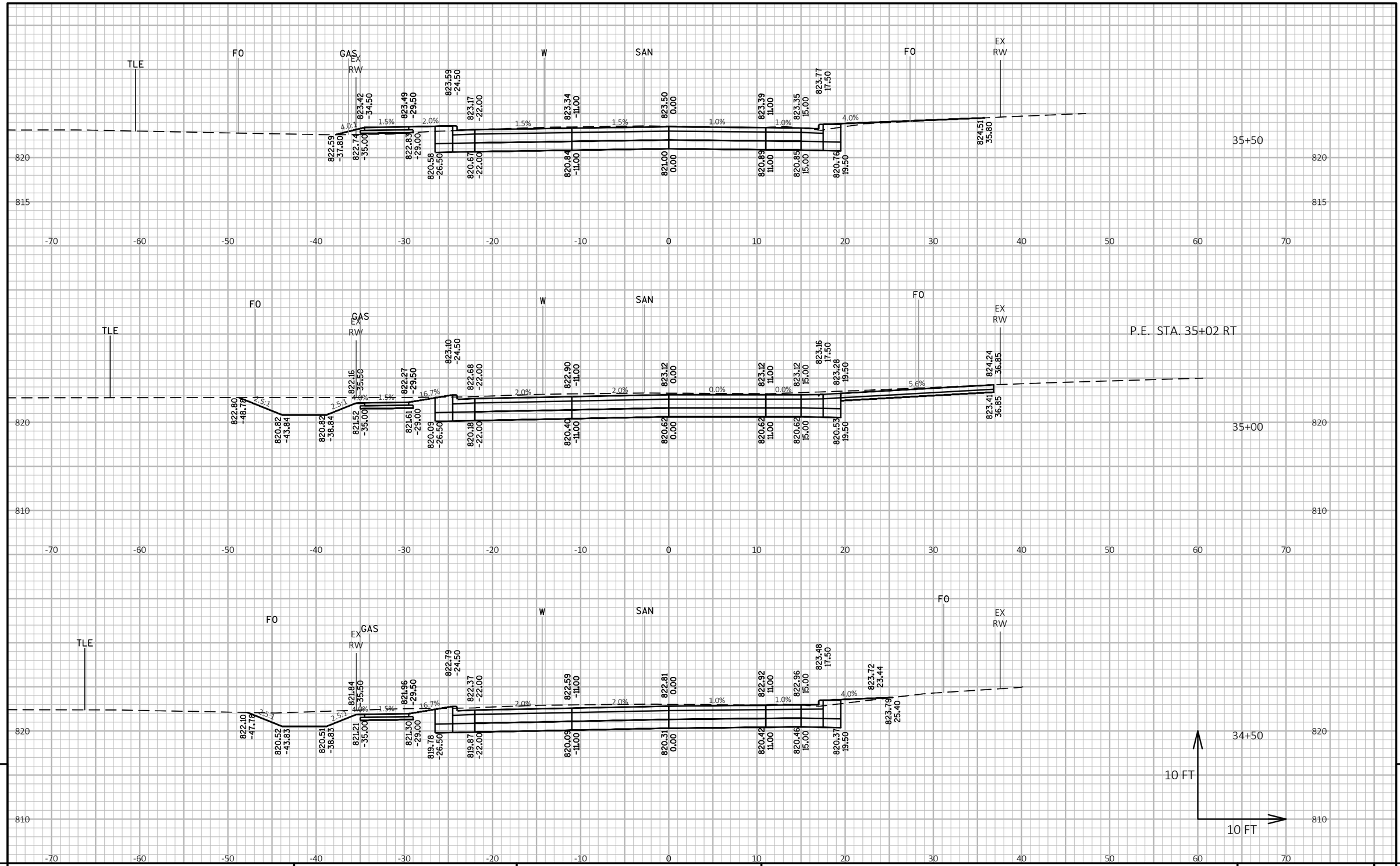
9

PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 268	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90220

PLOT DATE : 12/27/2018 8:52 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



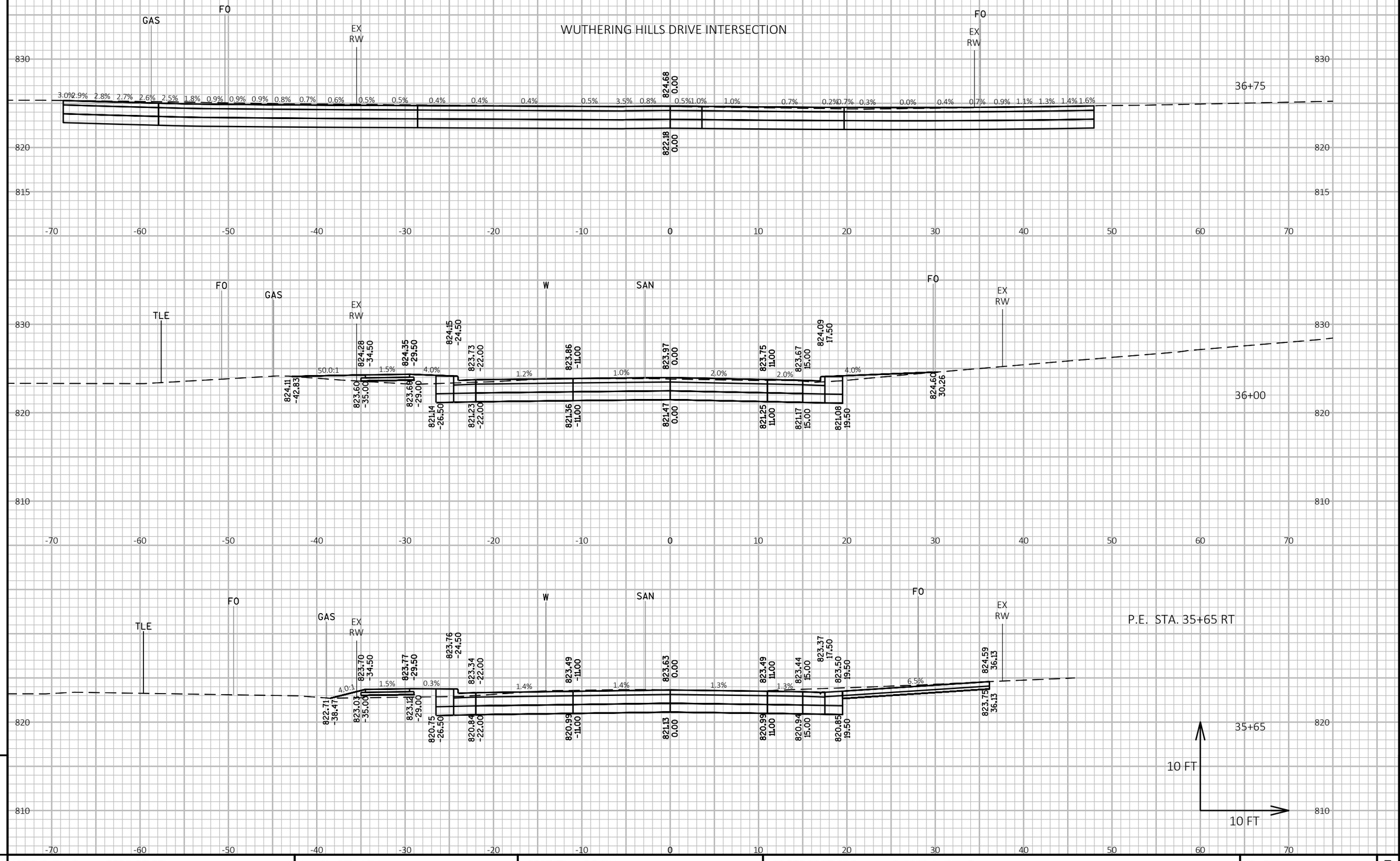
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 269	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90221

PLOT DATE : 10/10/2018 8:34 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

WUTHERING HILLS DRIVE INTERSECTION

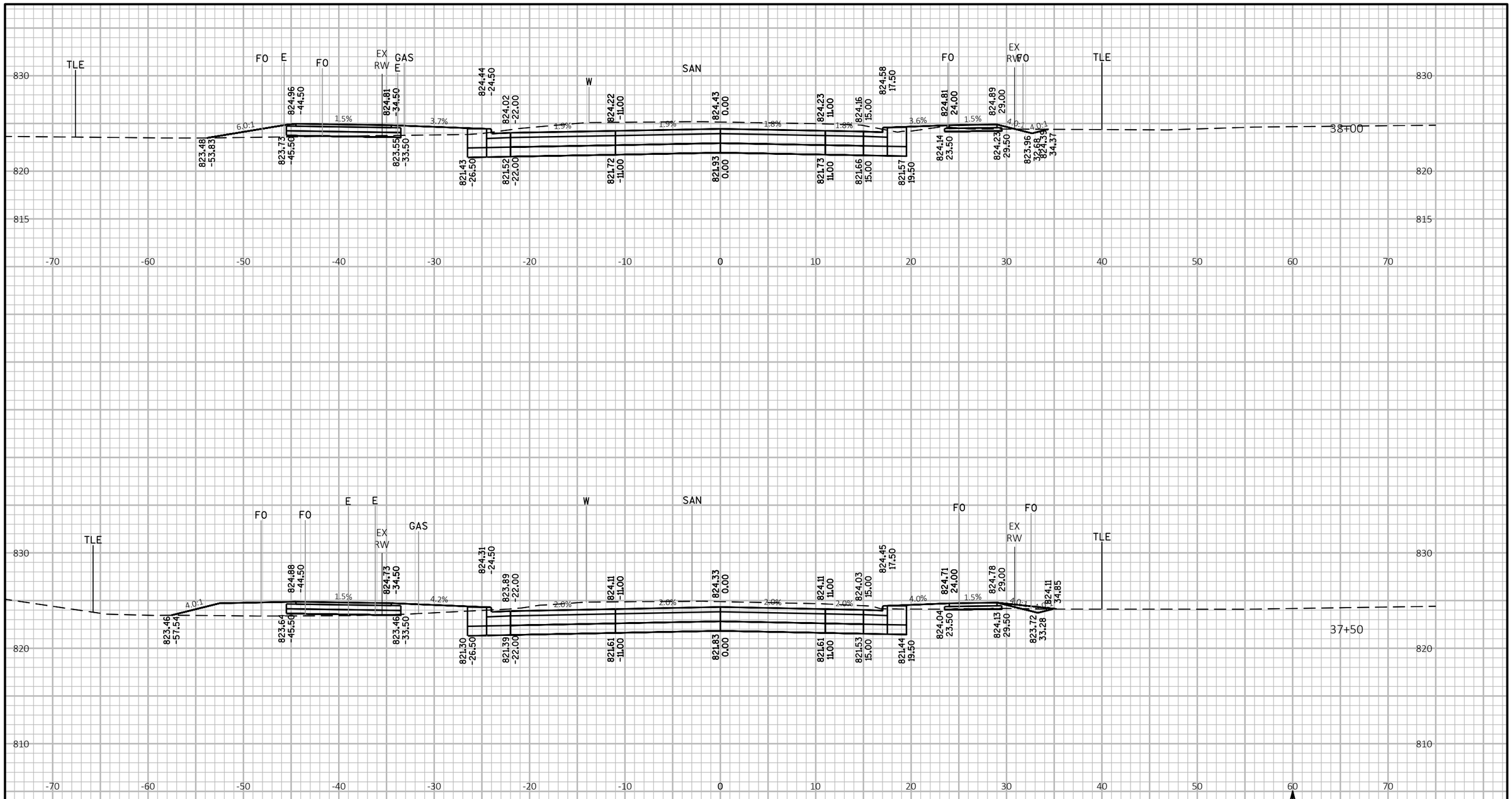


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 270	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90222

PLOT DATE : 10/10/2018 8:34 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

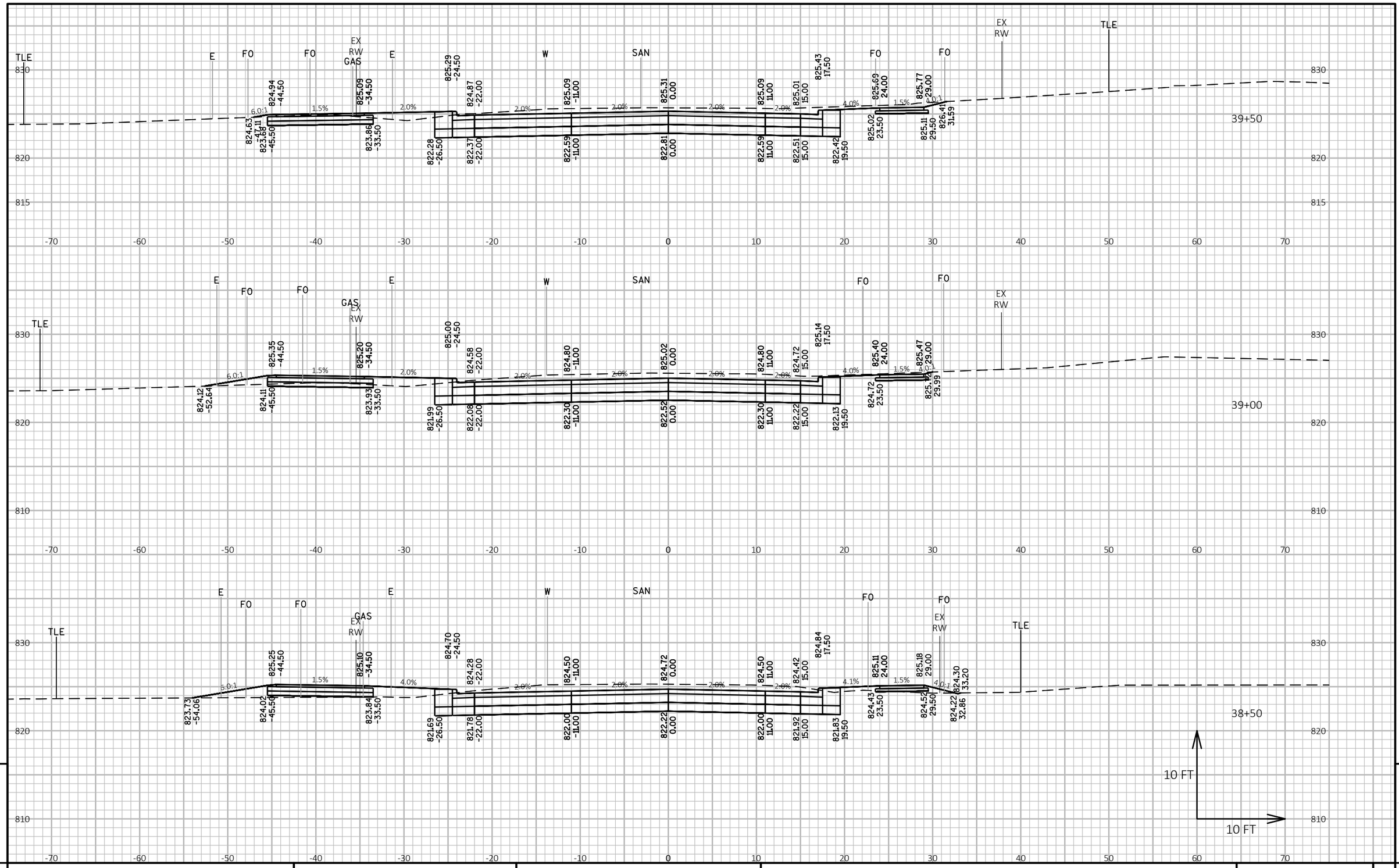


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 271	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90223

PLOT DATE : 10/10/2018 8:34 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

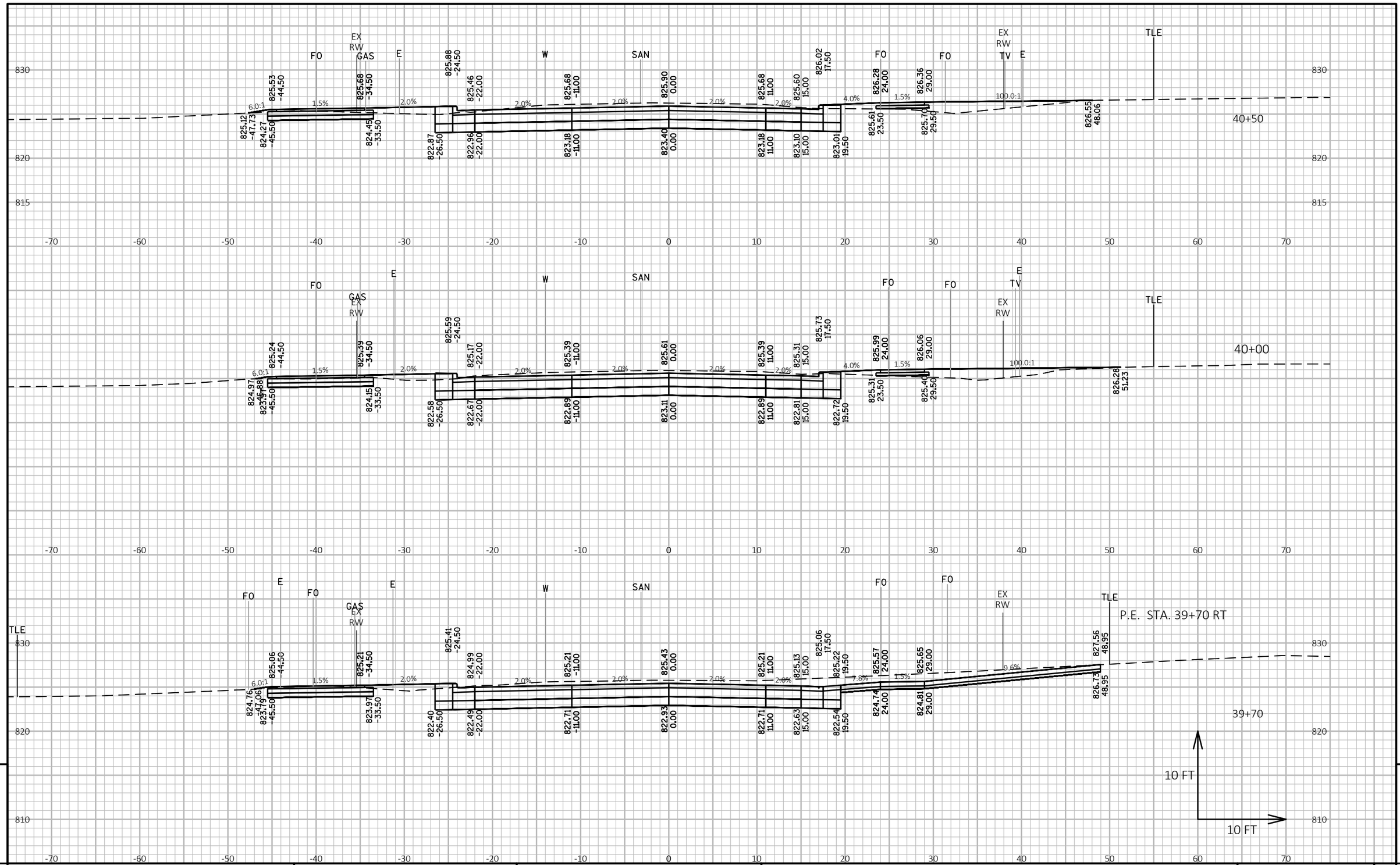


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 272	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90224

PLOT DATE : 10/10/2018 8:35 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

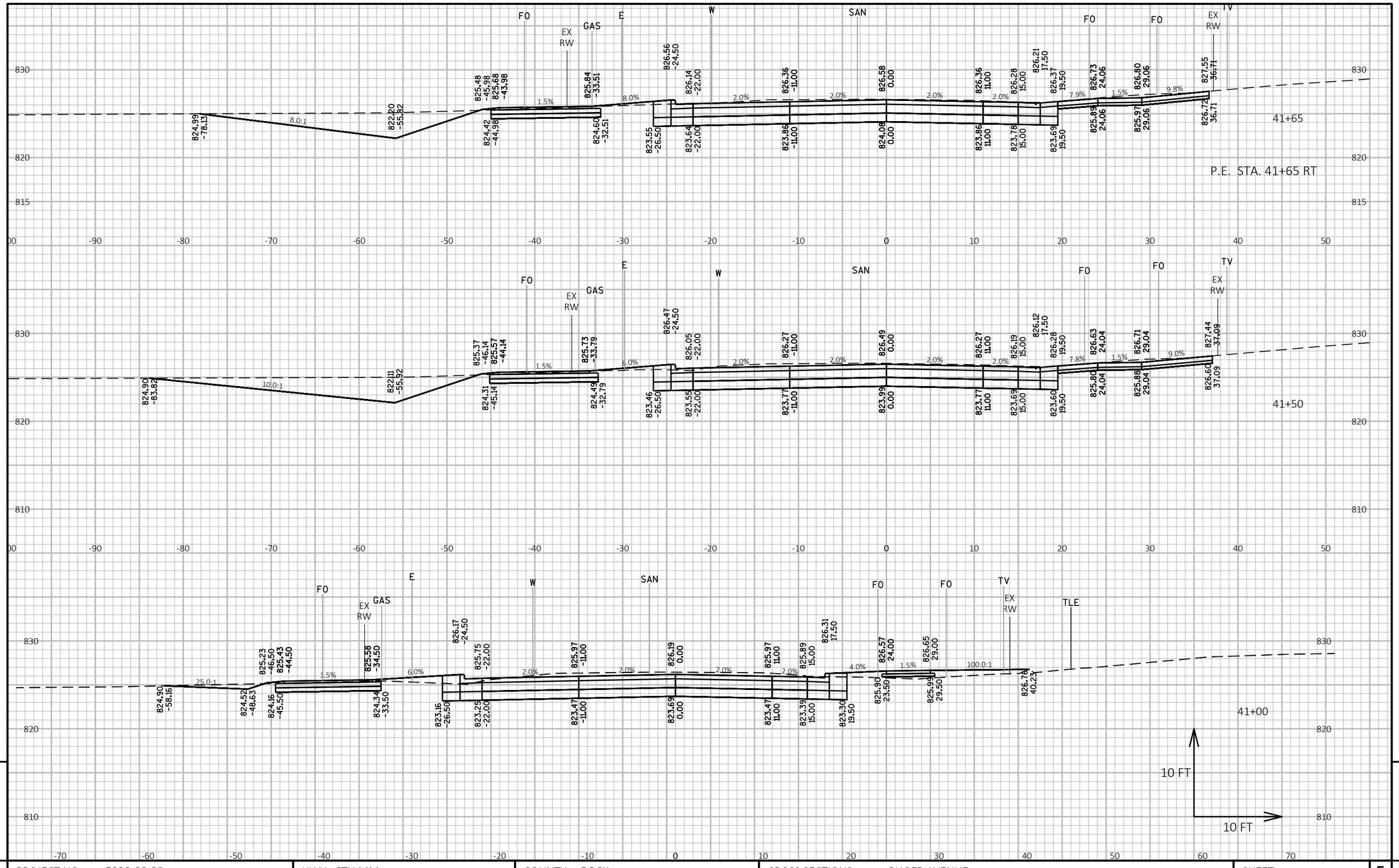


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 273	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90225

PLOT DATE : 10/10/2018 8:35 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

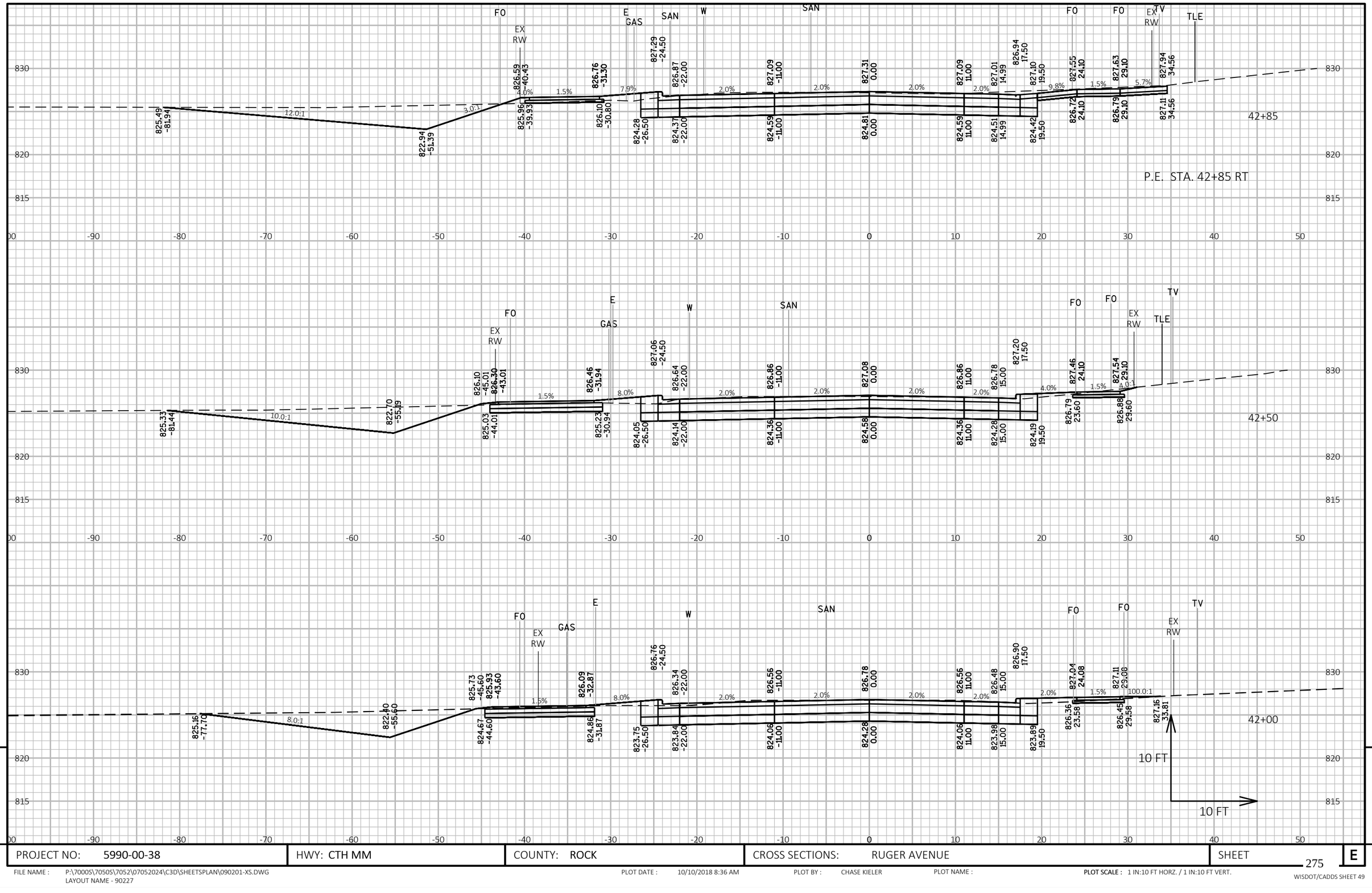


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 274	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90226

PLOT DATE : 10/10/2018 8:35 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

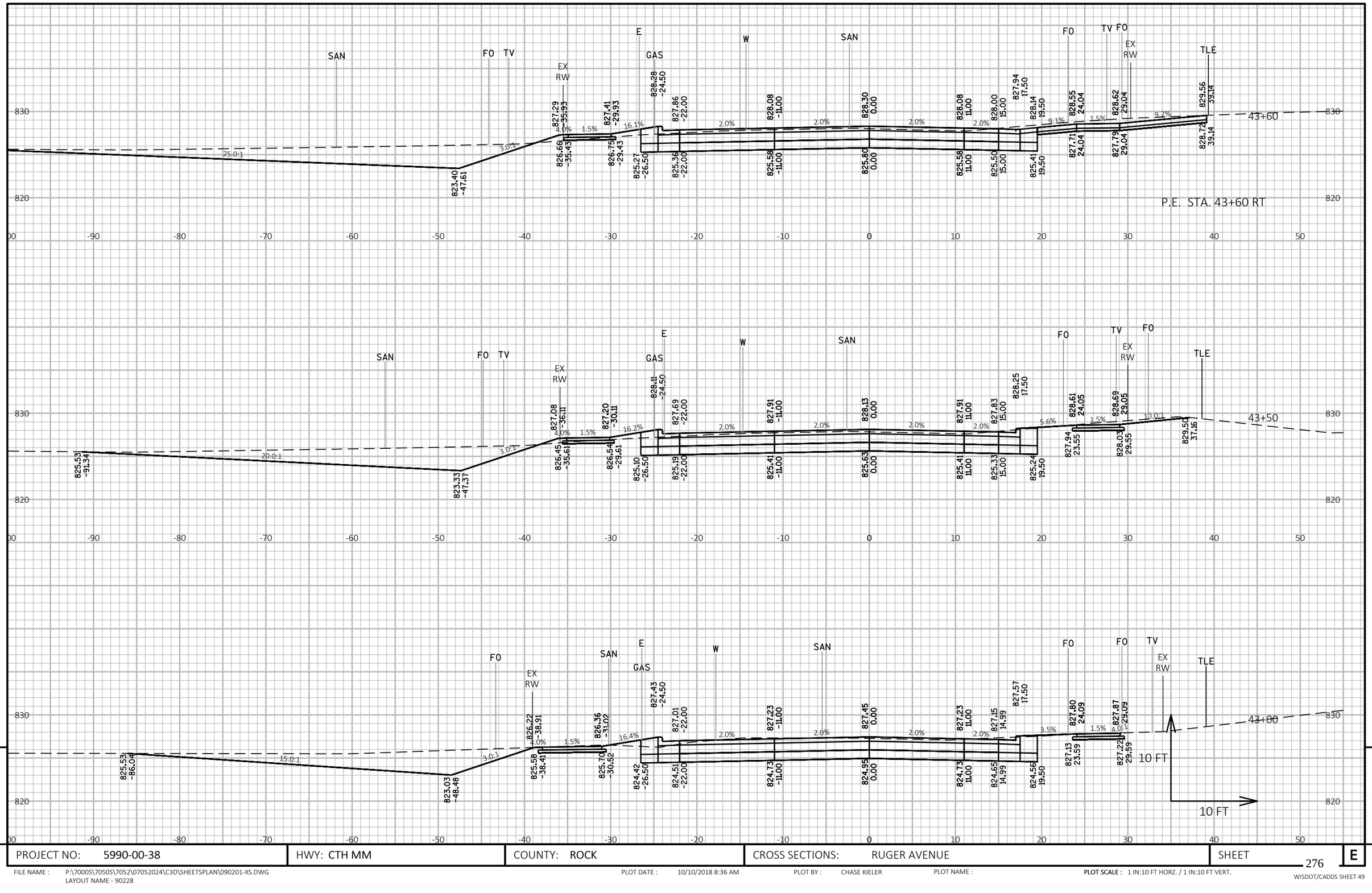
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 275	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90227

PLOT DATE : 10/10/2018 8:36 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

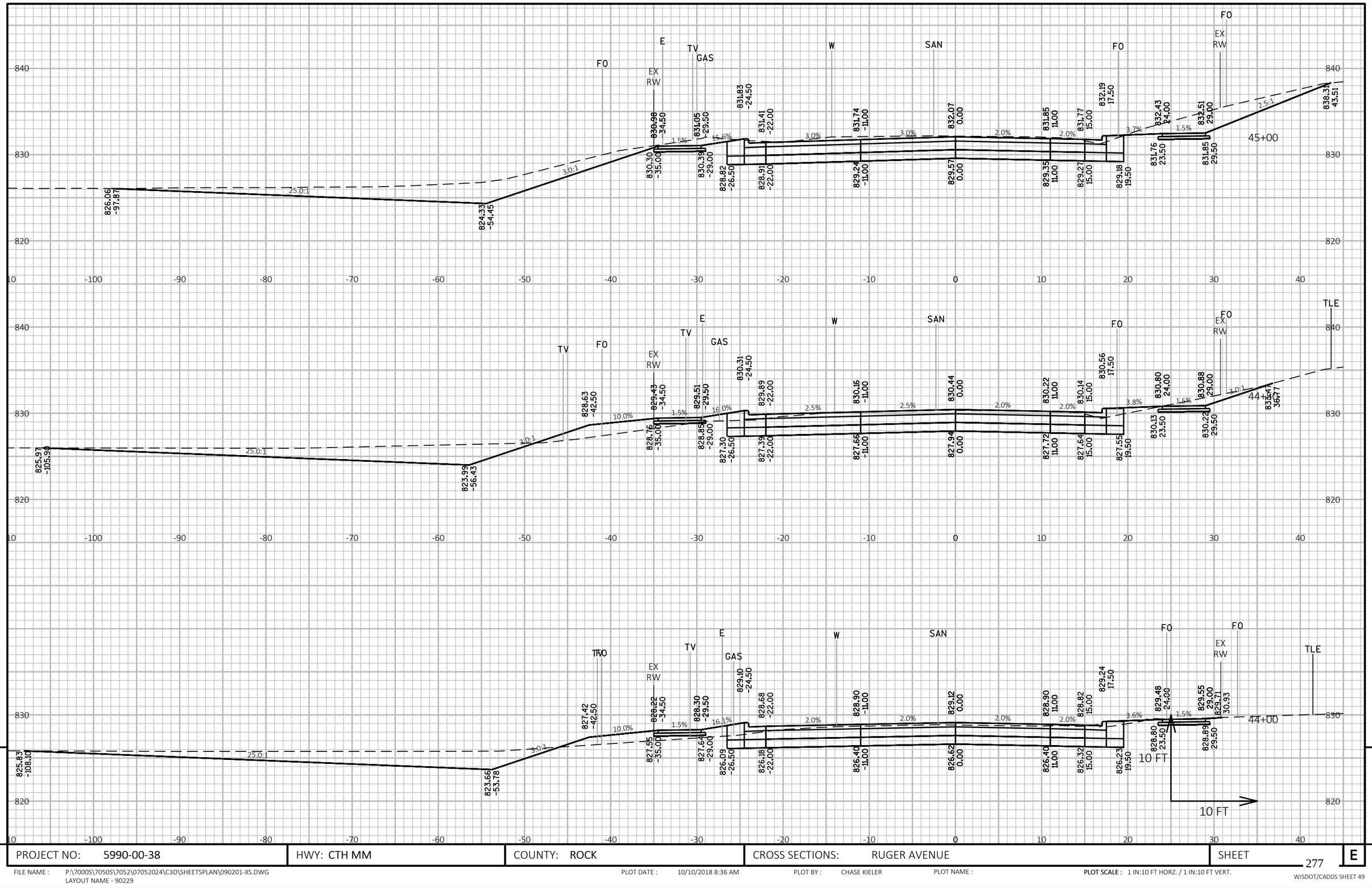


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 276	E

FILE NAME : P:\70005\70505\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90228

PLOT DATE : 10/10/2018 8:36 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

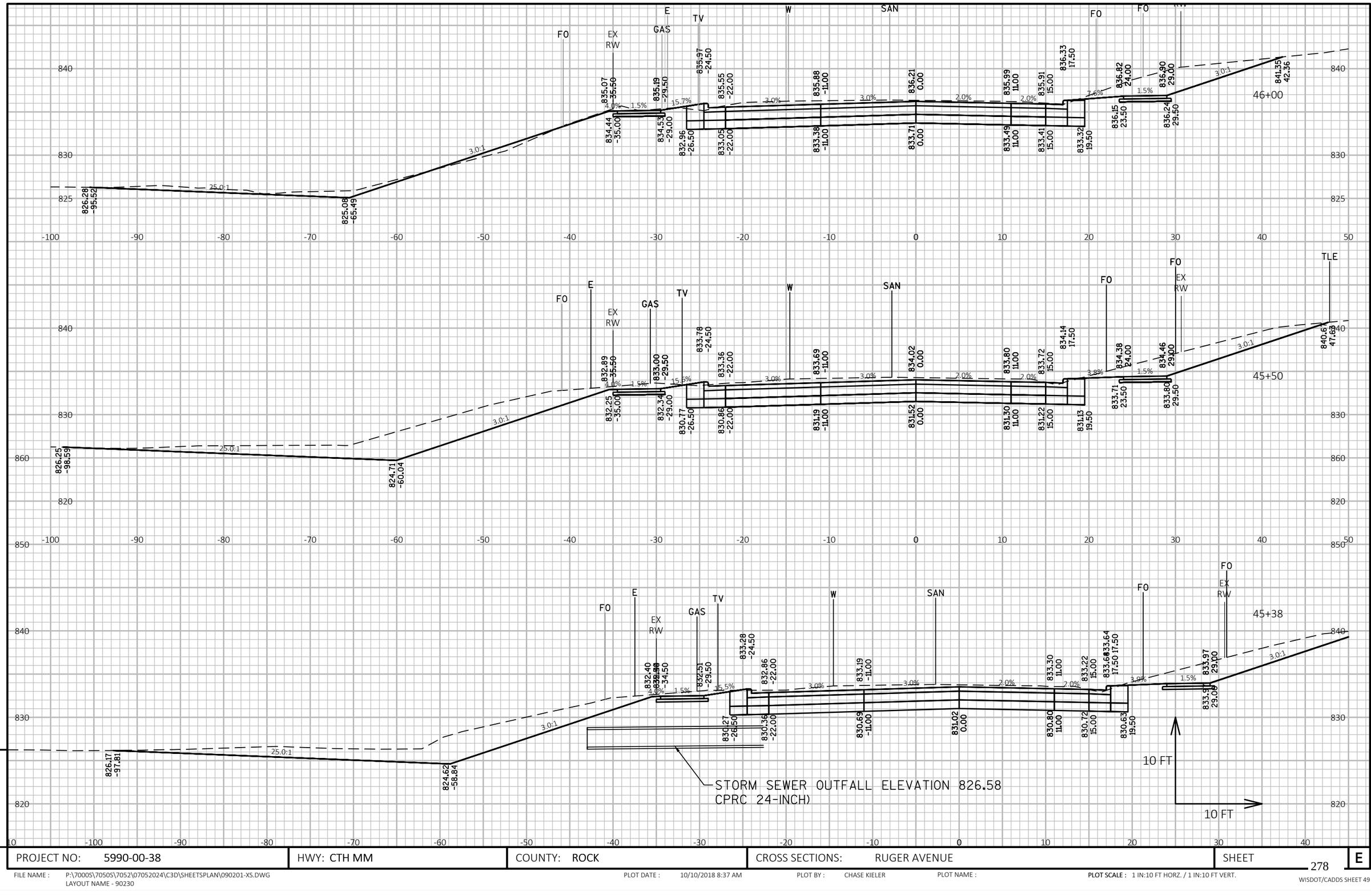


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 277	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90229

PLOT DATE : 10/10/2018 8:36 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

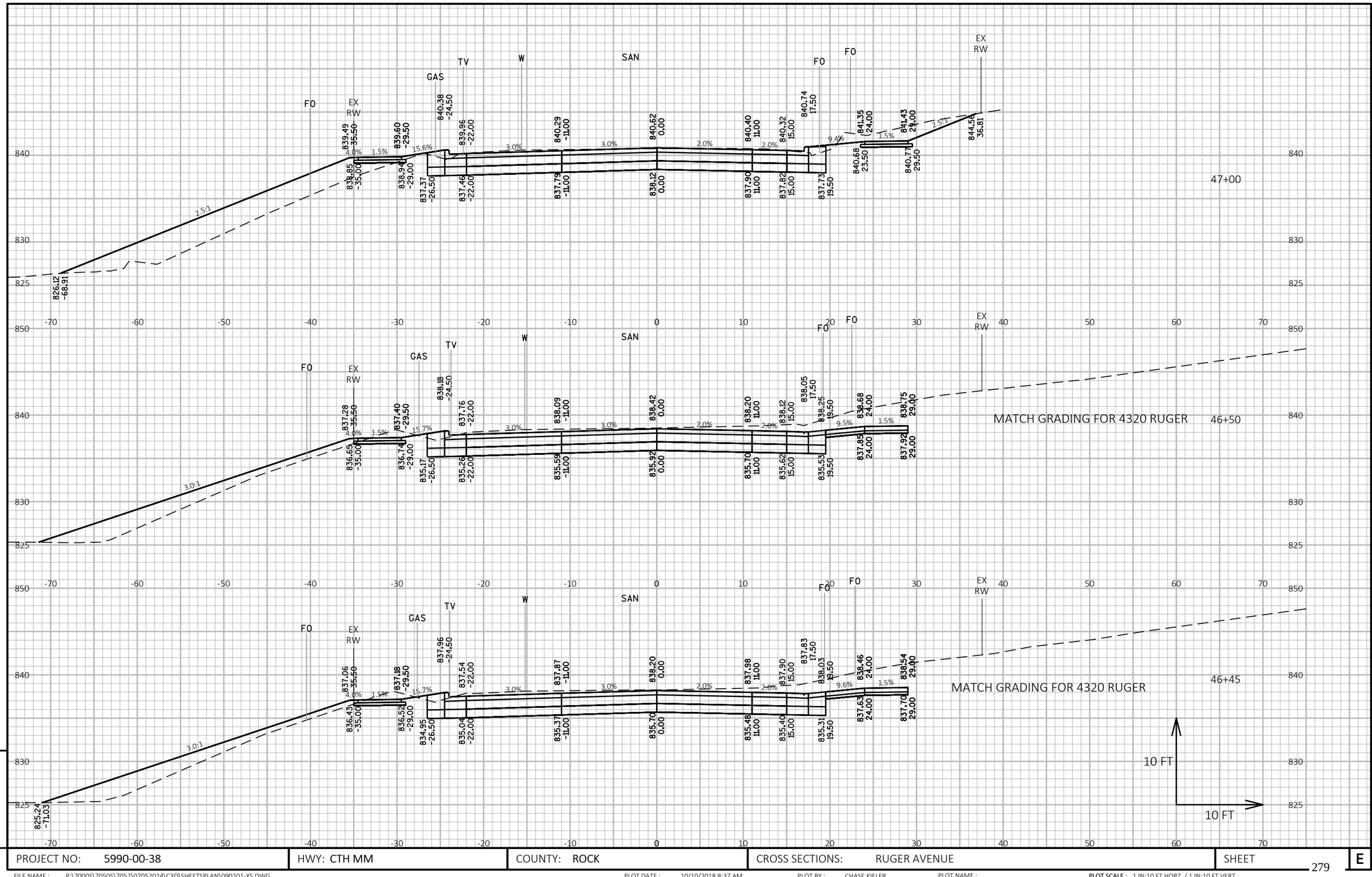


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 278	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90230

PLOT DATE : 10/10/2018 8:37 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

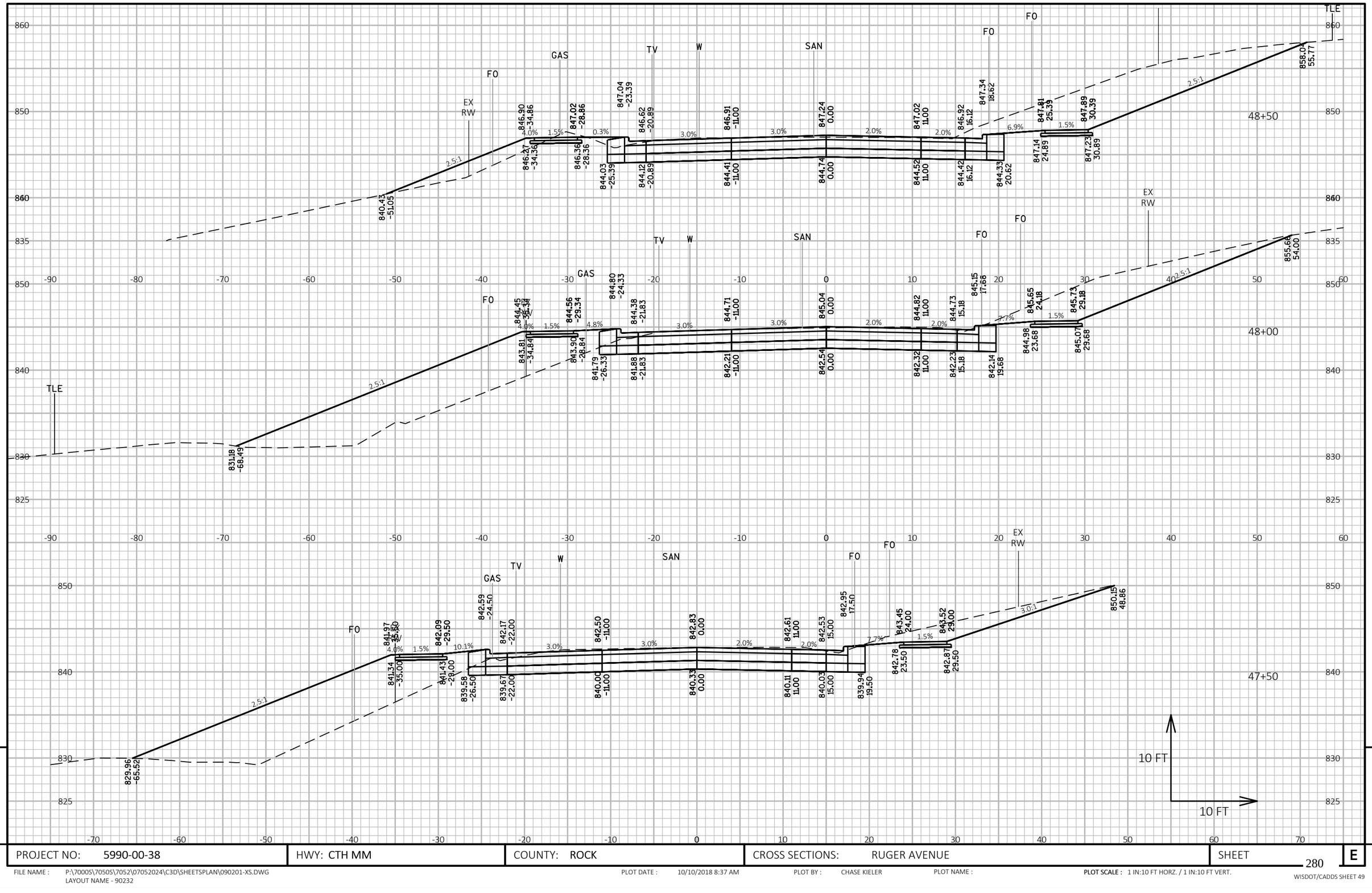


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 279 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90231

PLOT DATE : 10/10/2018 8:37 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

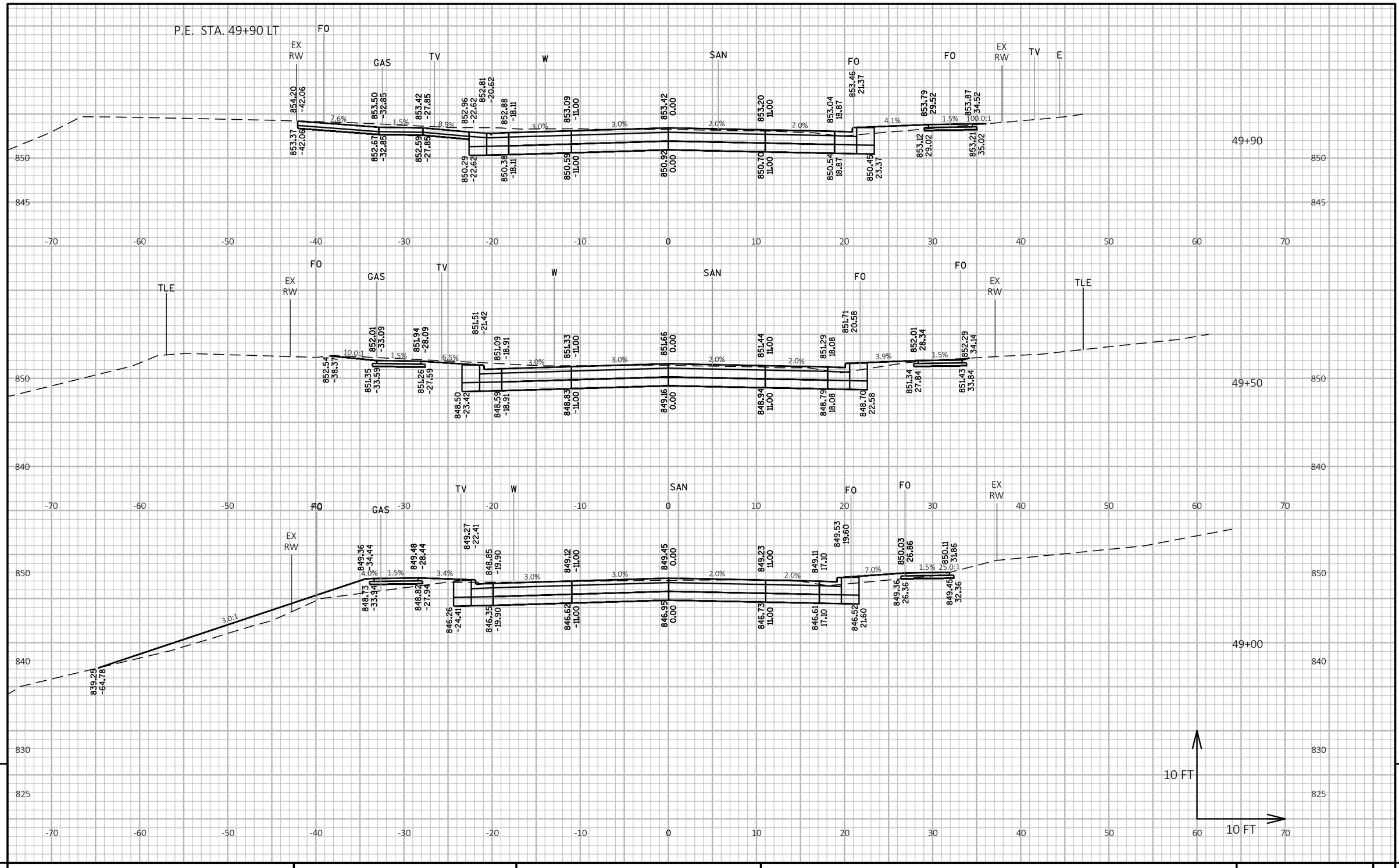


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 280	E

FILE NAME : P:\70005\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90232

PLOT DATE : 10/10/2018 8:37 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

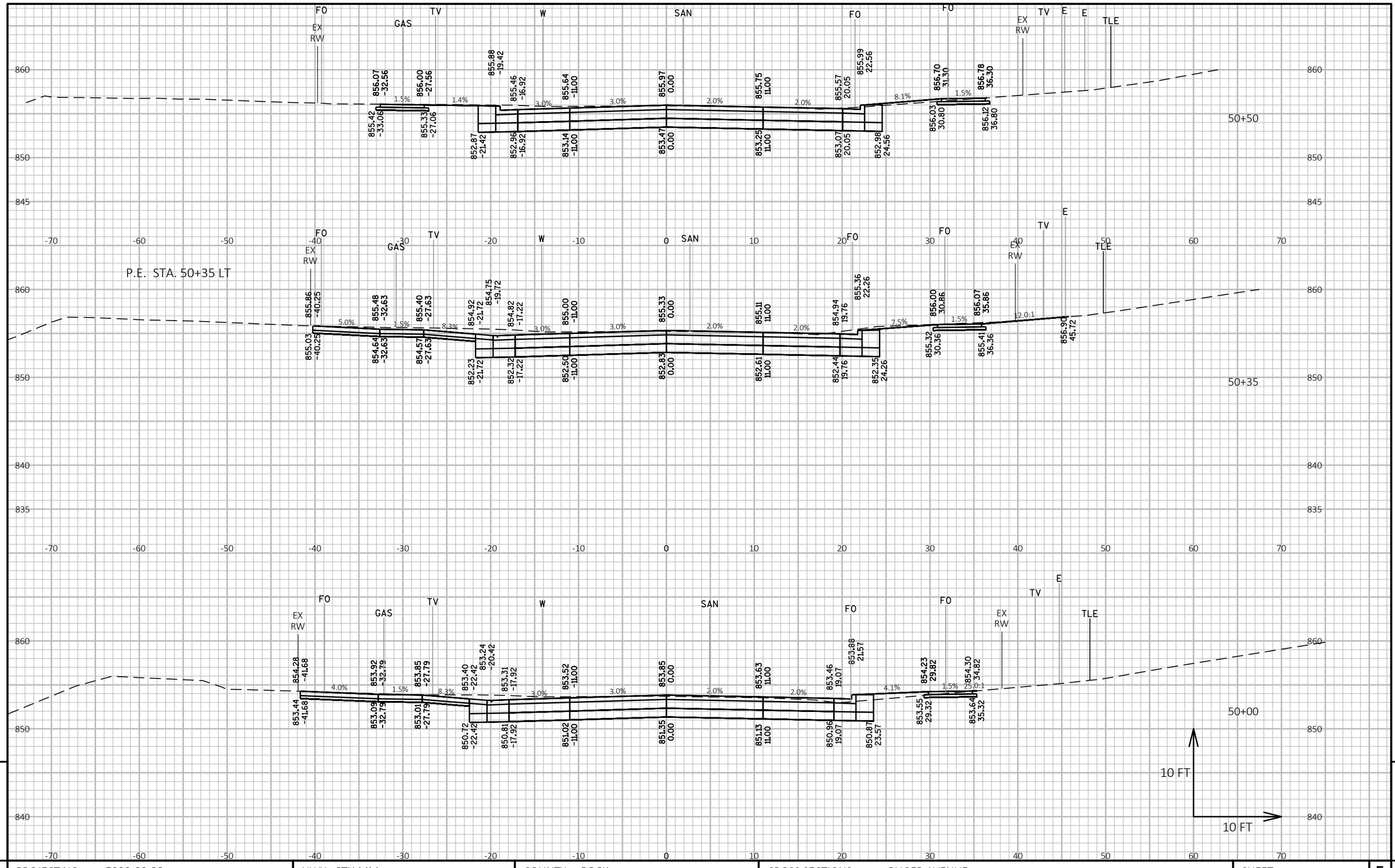


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 281	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90233

PLOT DATE : 10/10/2018 8:38 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

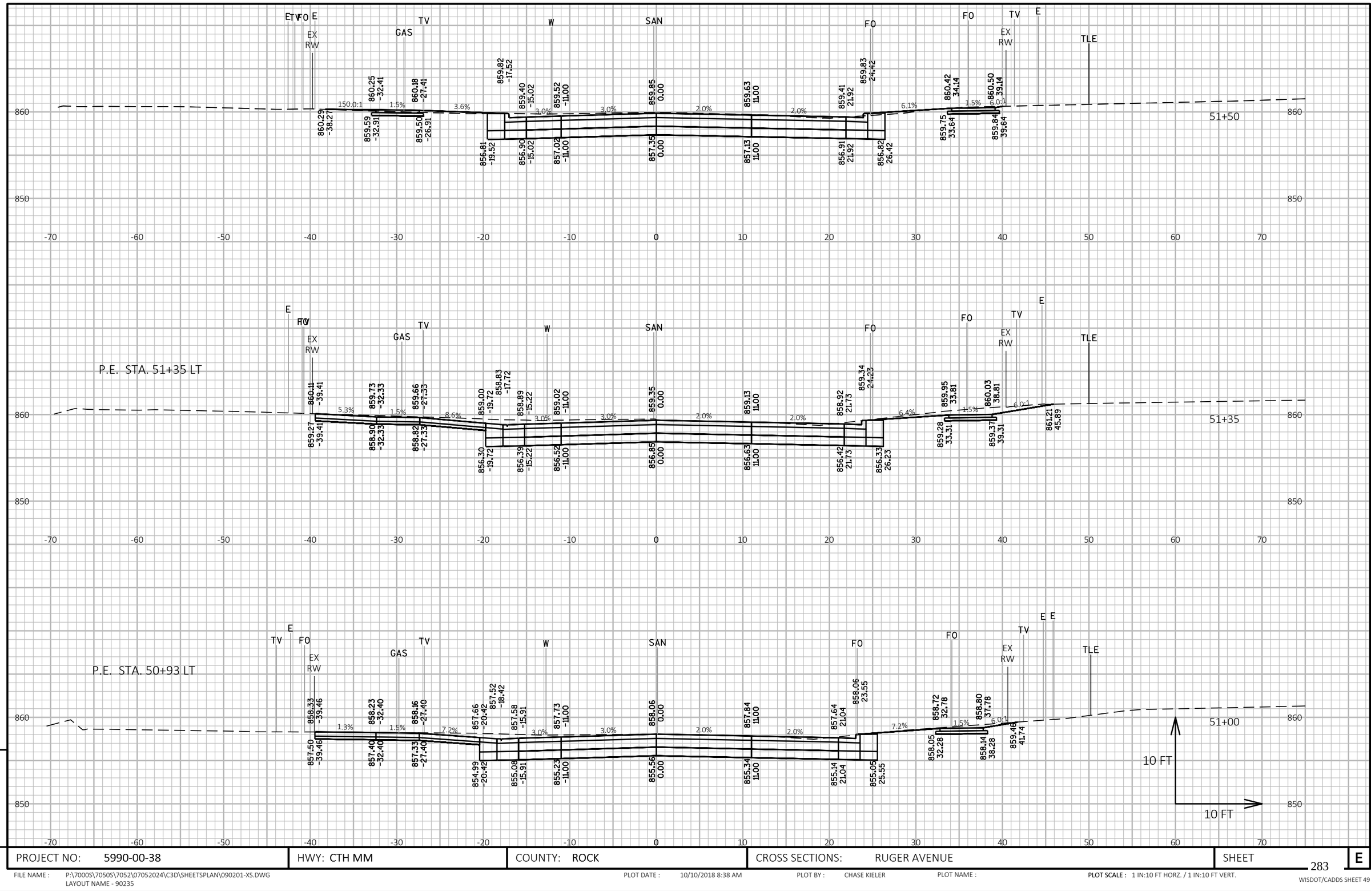


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 282 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90234

PLOT DATE : 10/10/2018 8:38 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

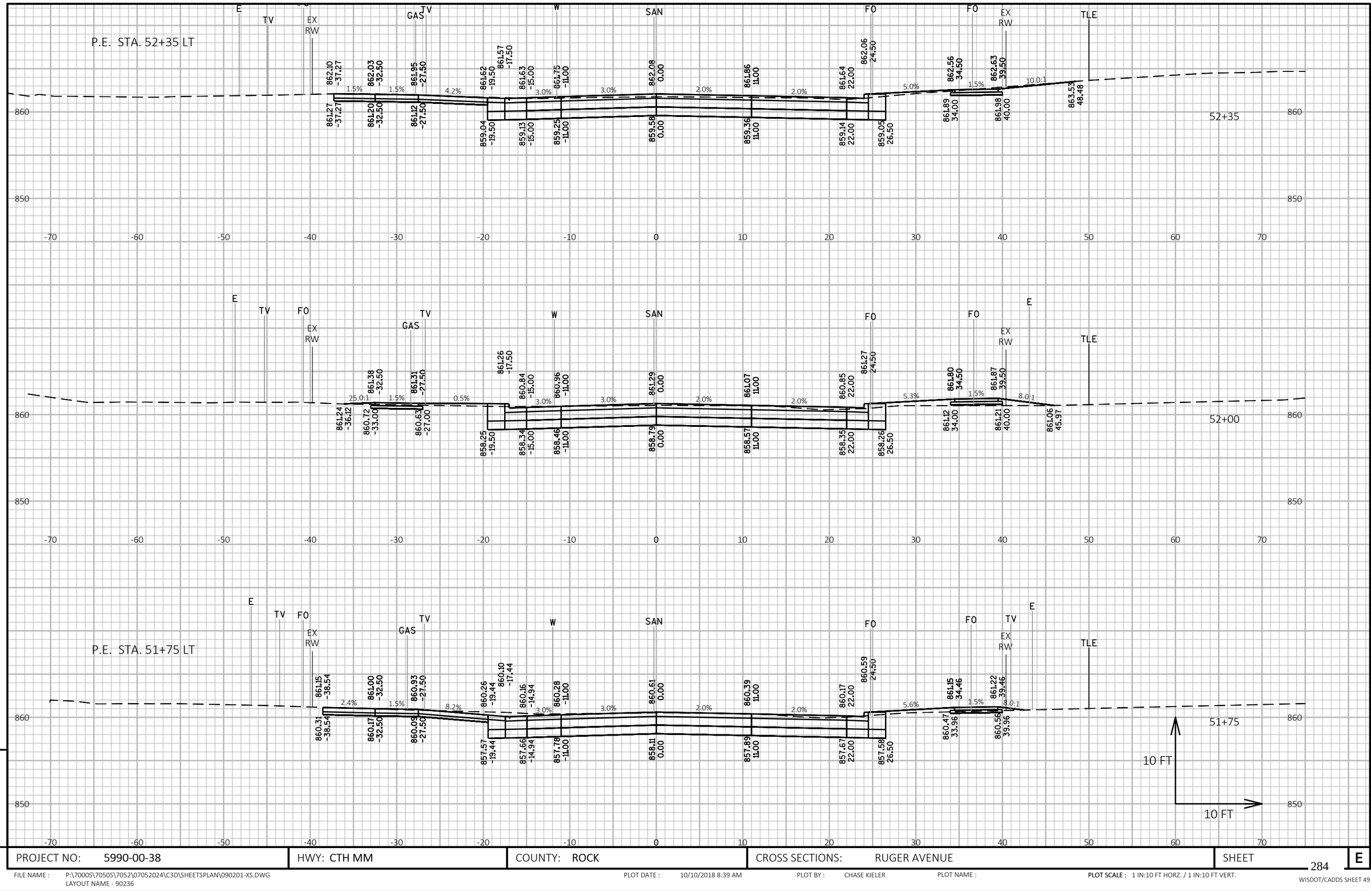


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 283	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90235

PLOT DATE : 10/10/2018 8:38 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

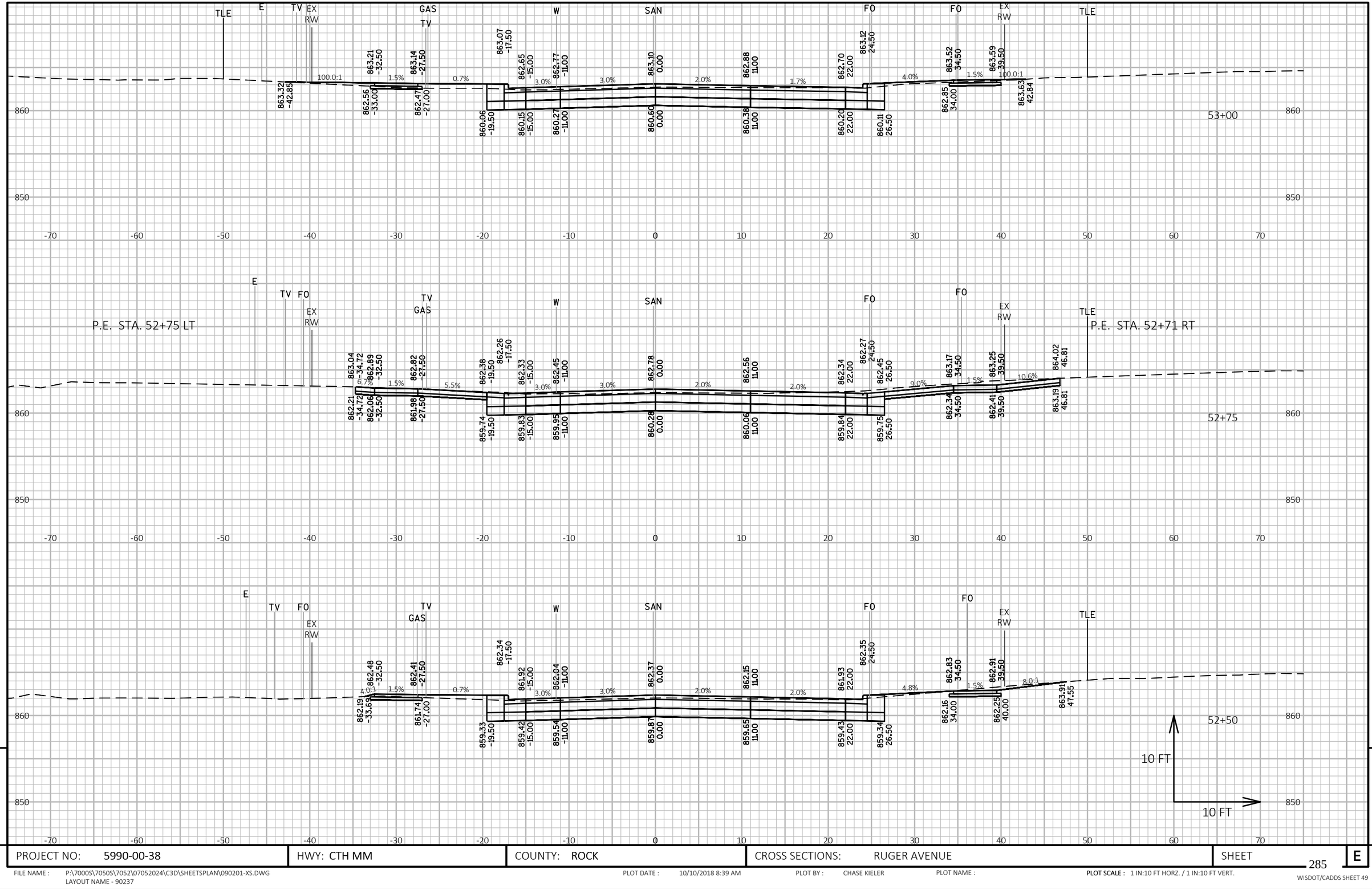


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 284	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90236

PLOT DATE : 10/10/2018 8:39 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

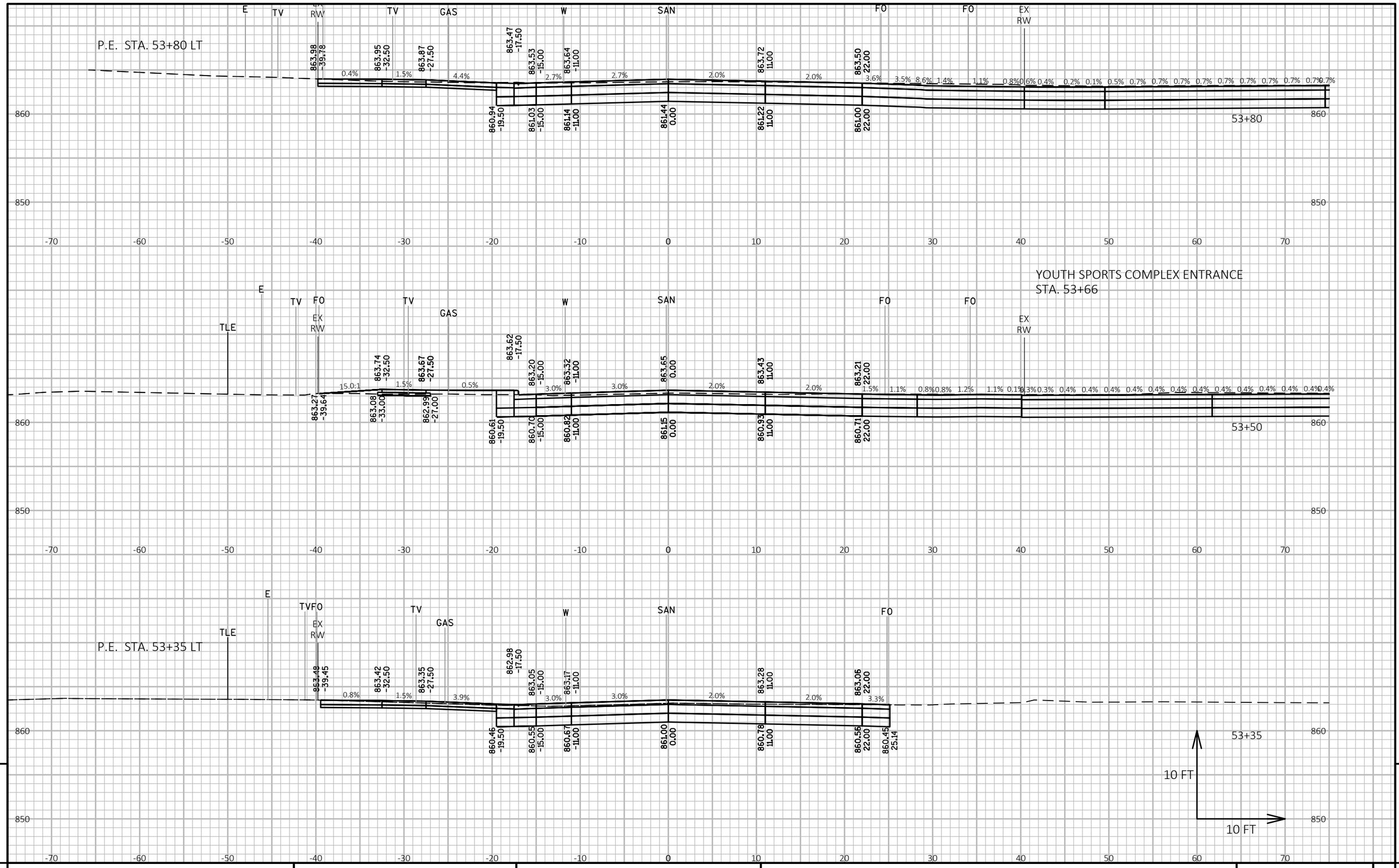


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 285 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90237

PLOT DATE : 10/10/2018 8:39 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

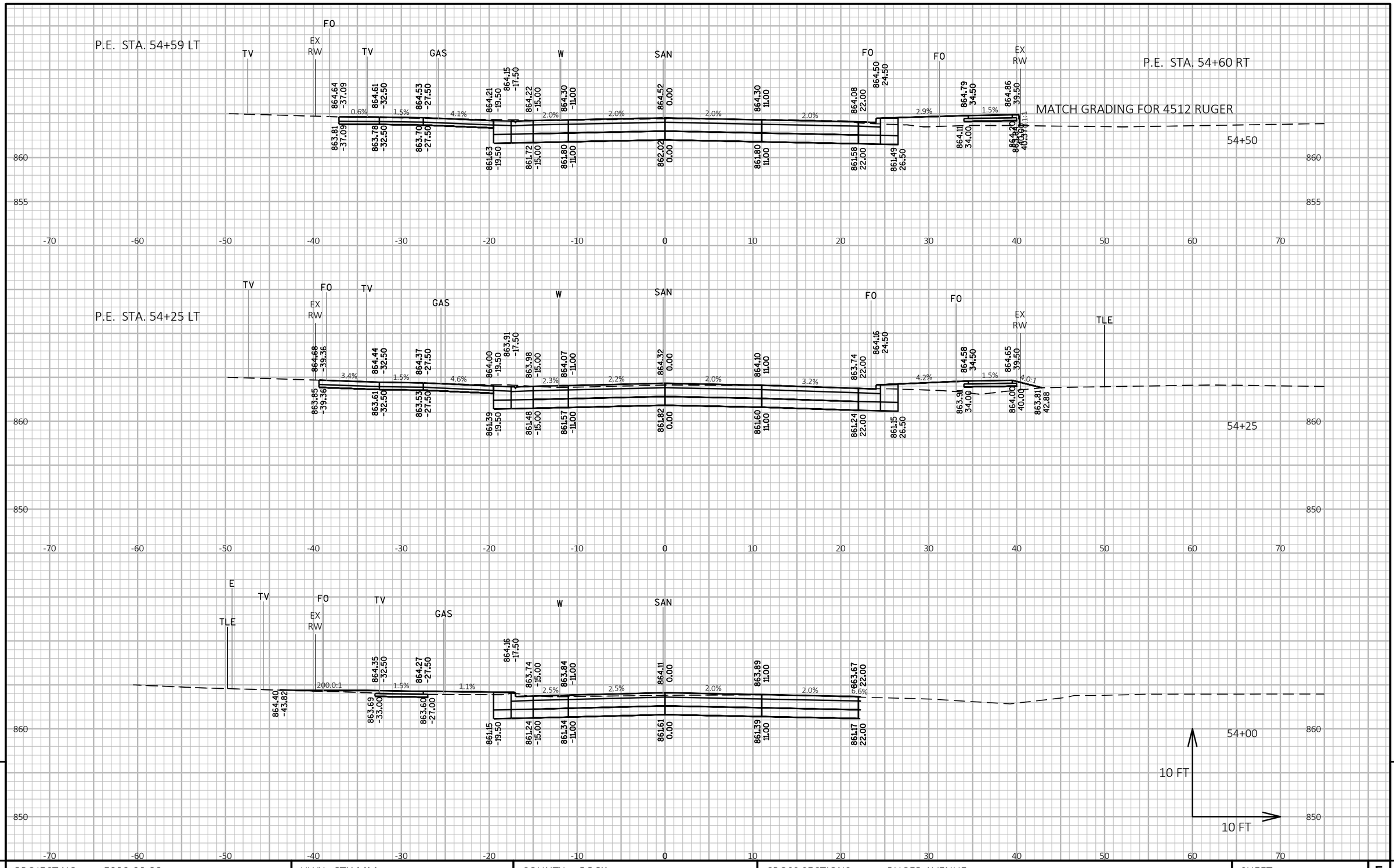


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 286	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90238

PLOT DATE : 10/10/2018 8:39 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

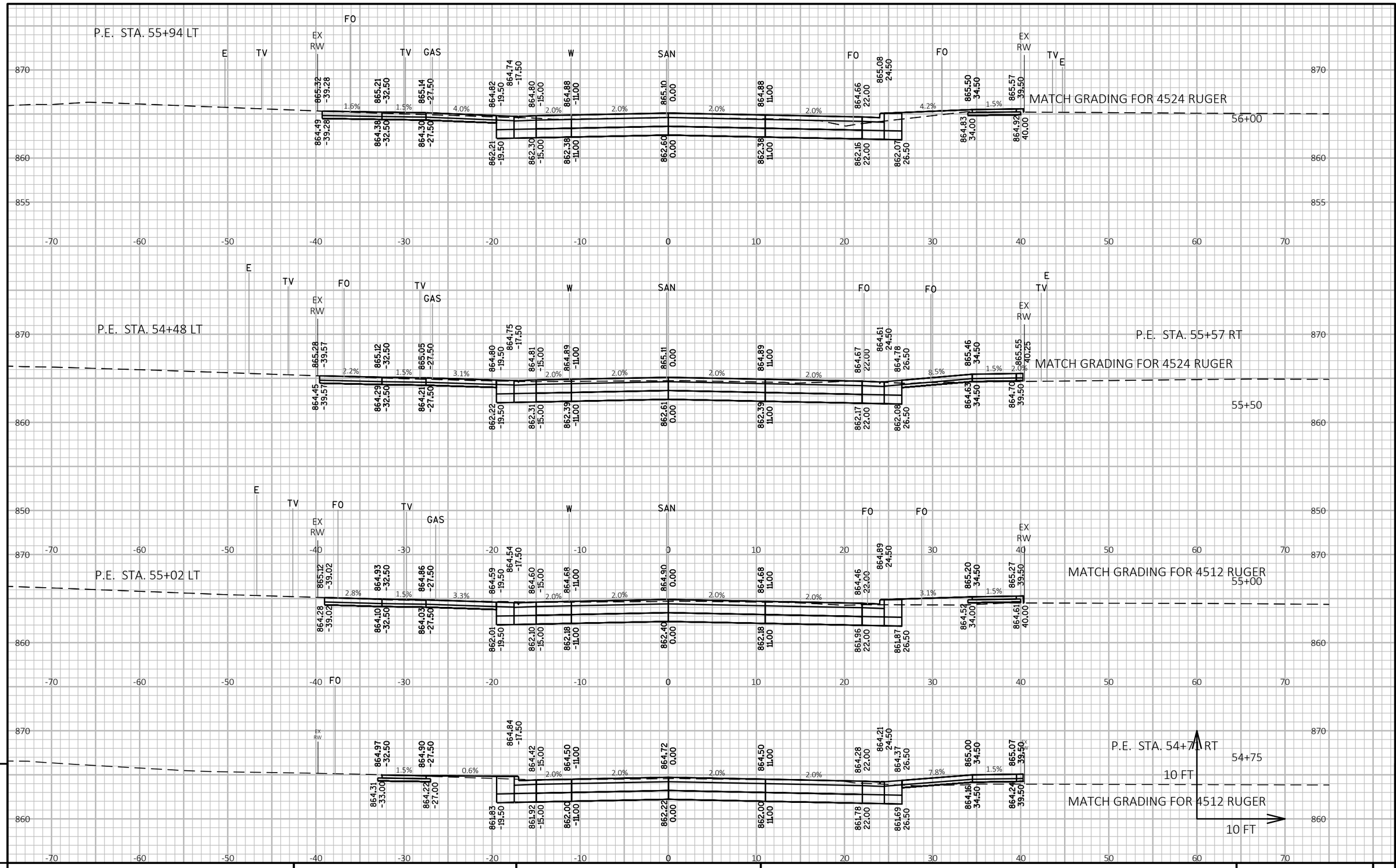


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 287	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90239

PLOT DATE : 10/10/2018 8:40 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

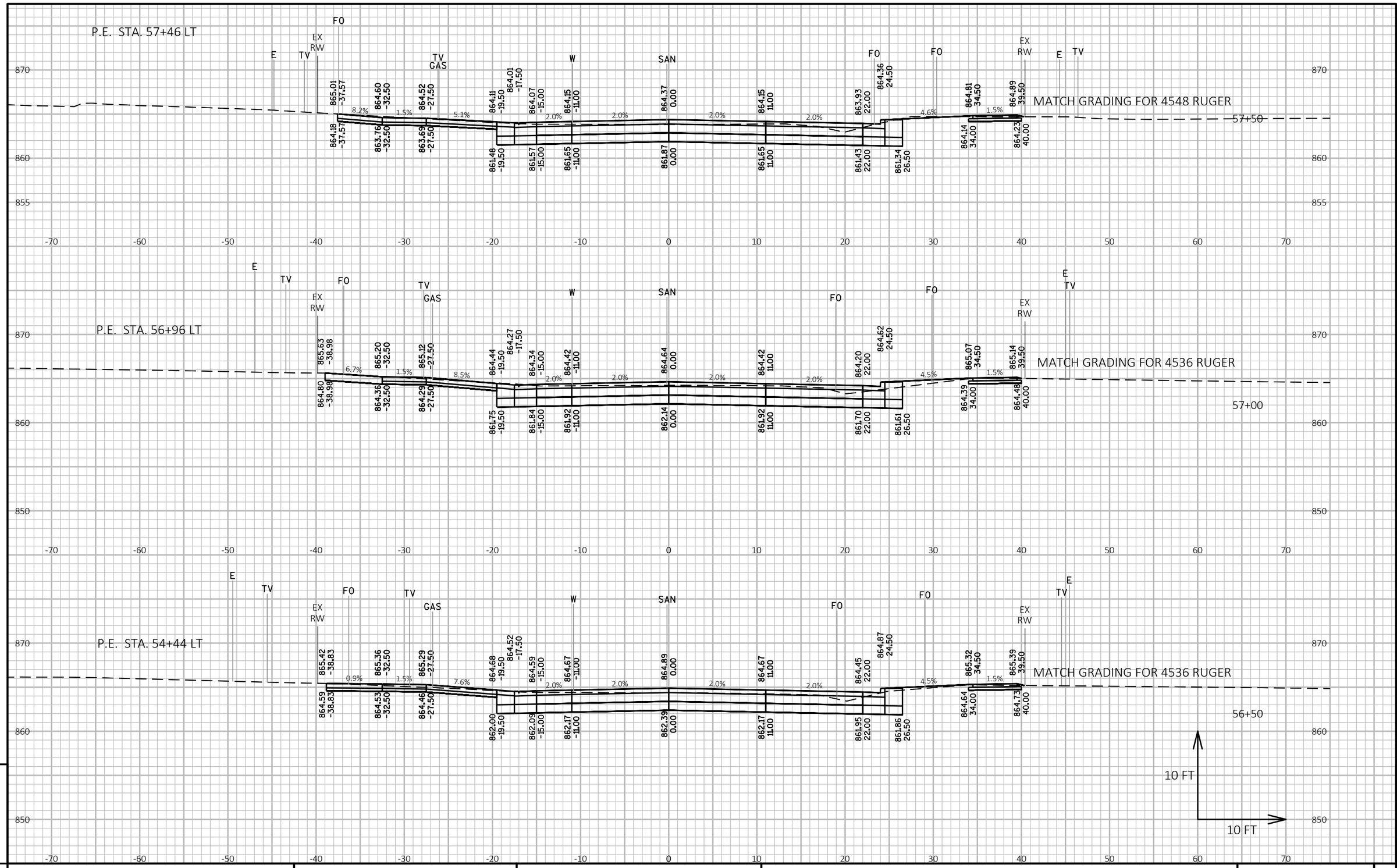


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 288 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90240

PLOT DATE : 10/10/2018 8:40 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

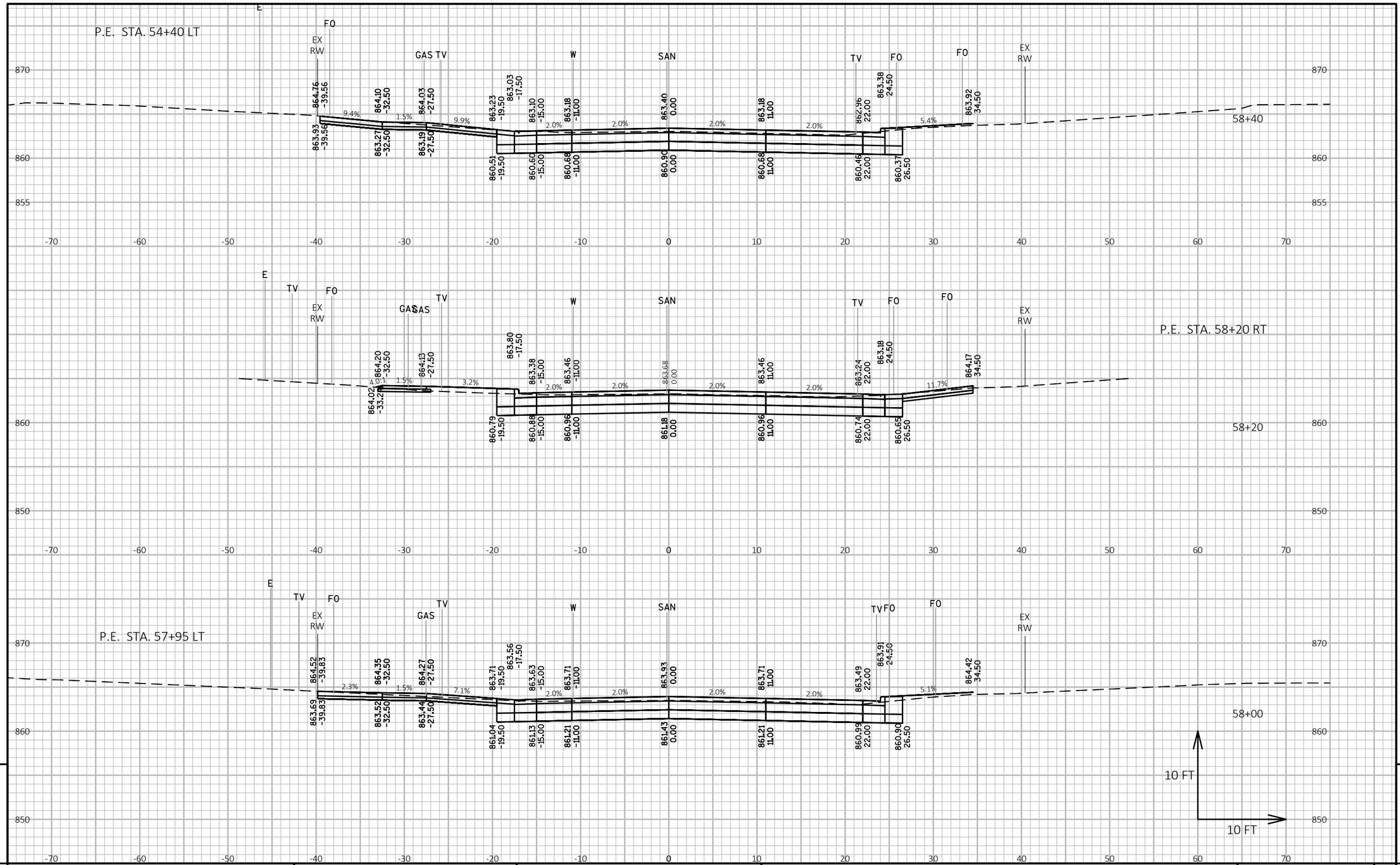


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 289 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90241

PLOT DATE : 12/27/2018 8:52 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

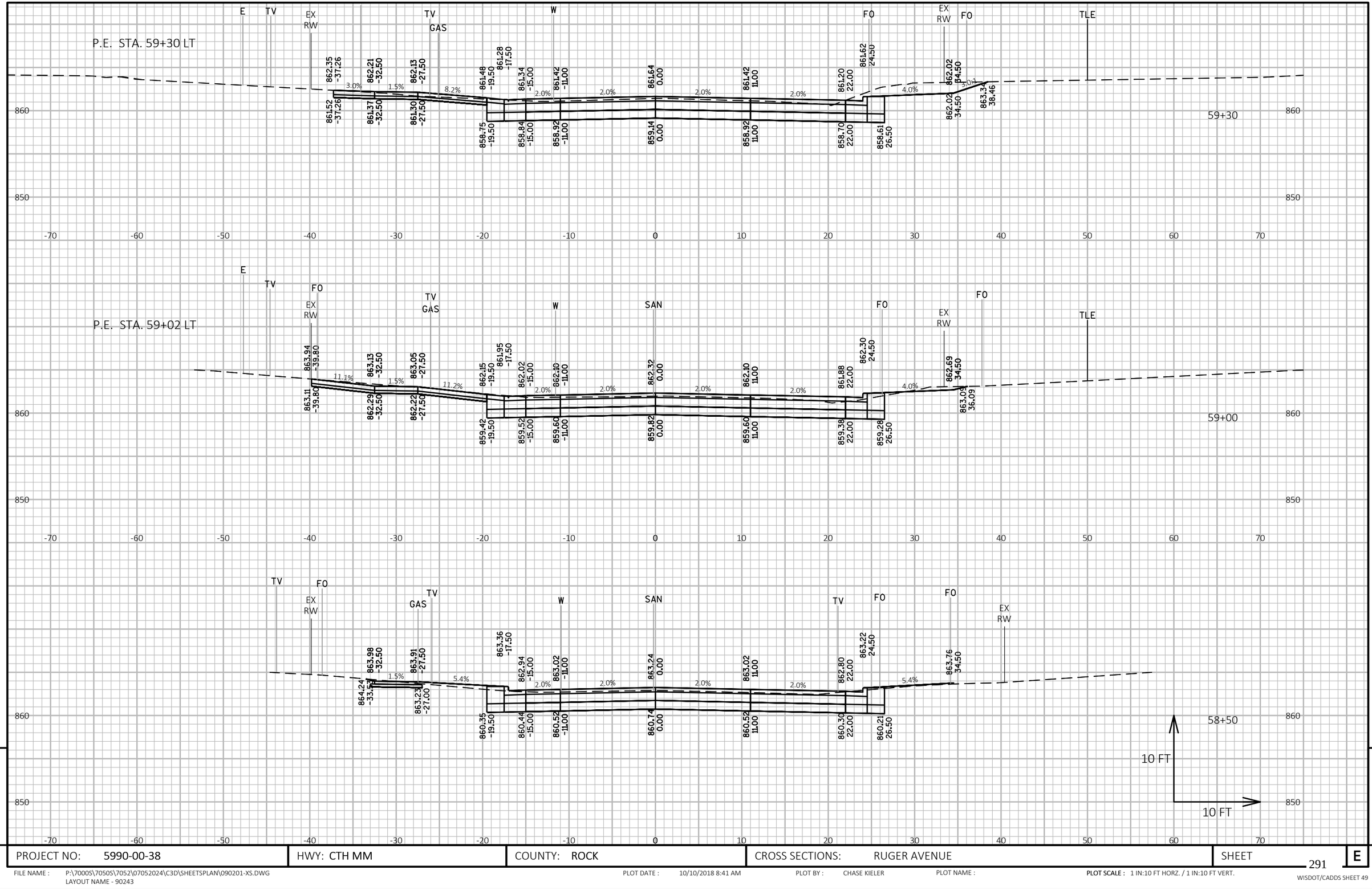


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 290	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90242

PLOT DATE : 10/10/2018 8:41 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

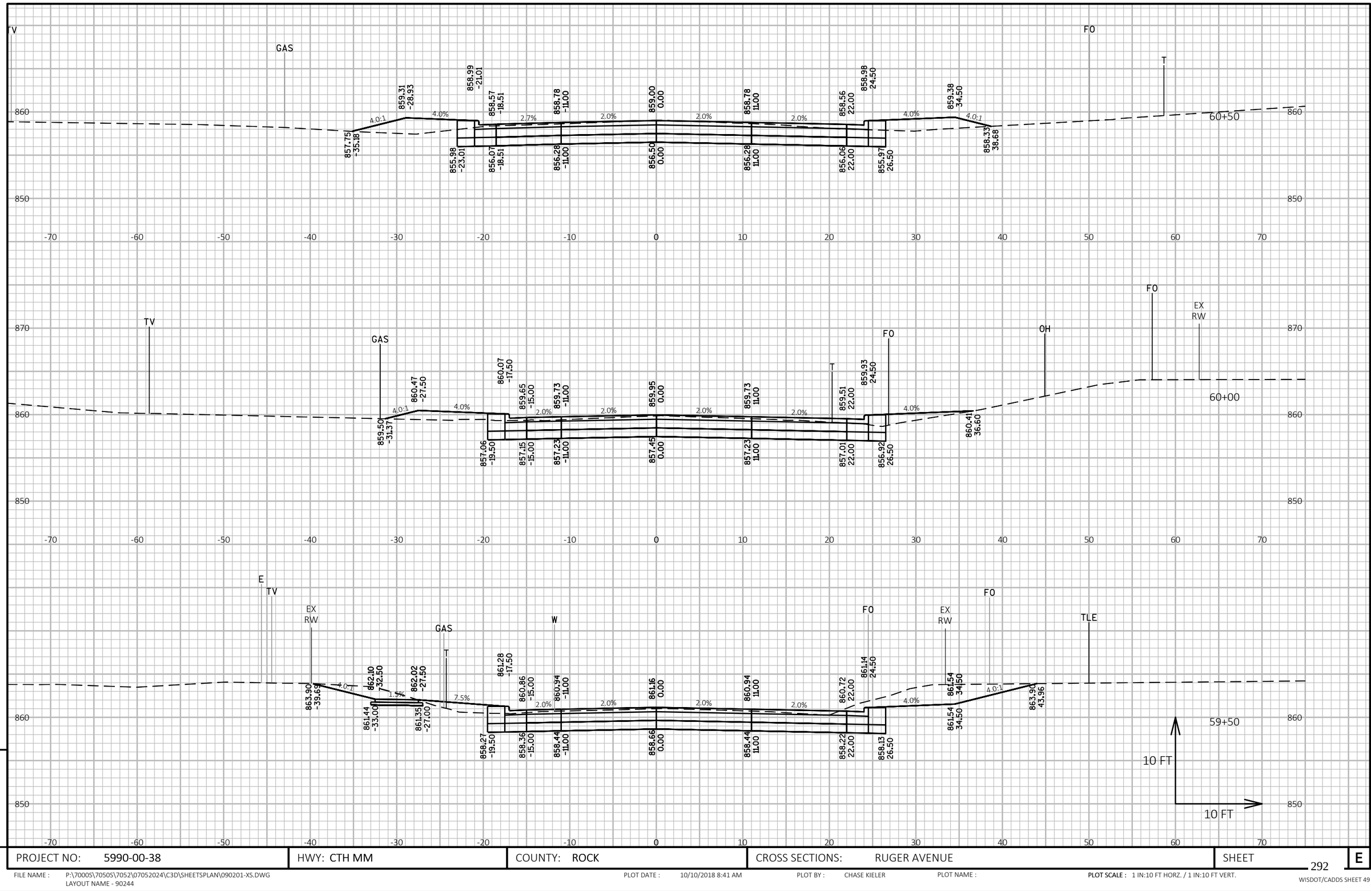


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 291 E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90243

PLOT DATE : 10/10/2018 8:41 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

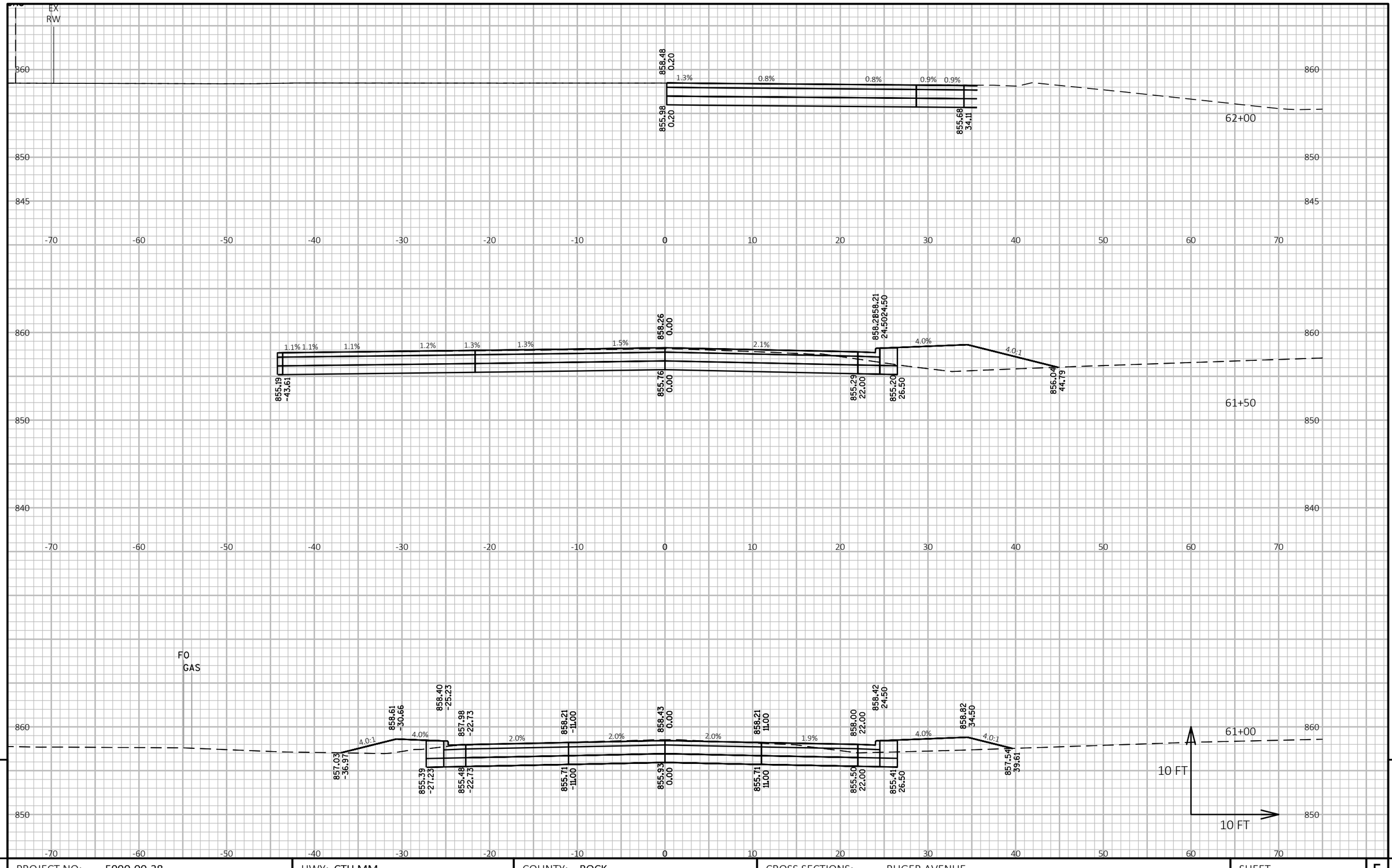


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 292	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90244

PLOT DATE : 10/10/2018 8:41 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 293	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90245

PLOT DATE : 10/10/2018 8:42 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

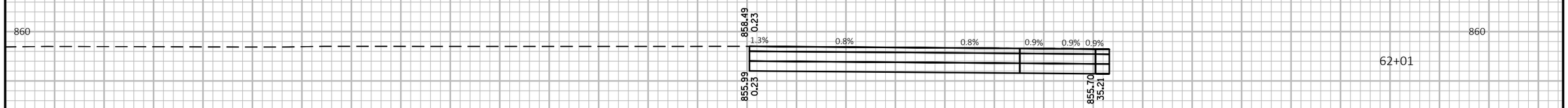
860

850

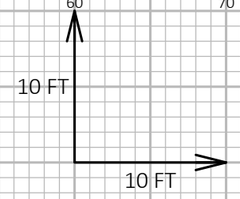
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

62+25

END PROJECT STA. 62+01.90



62+01



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 294	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90246

PLOT DATE : 10/10/2018 8:42 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

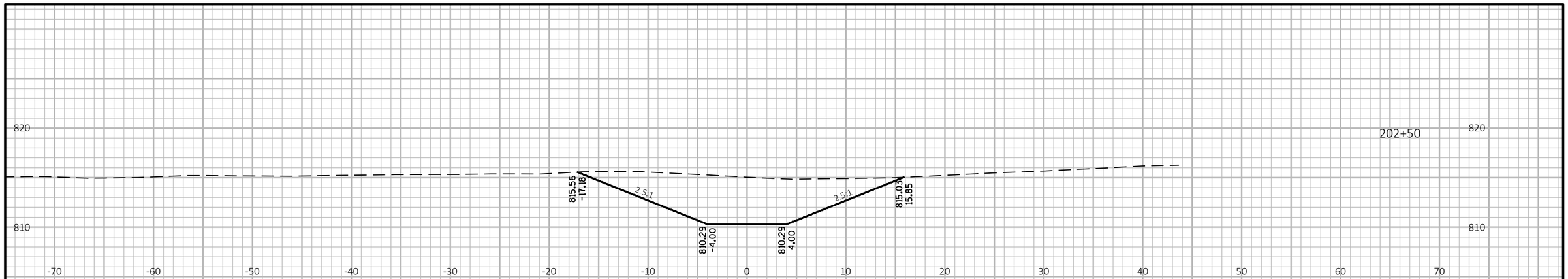
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: DRAINAGE SWALE	SHEET 295	E

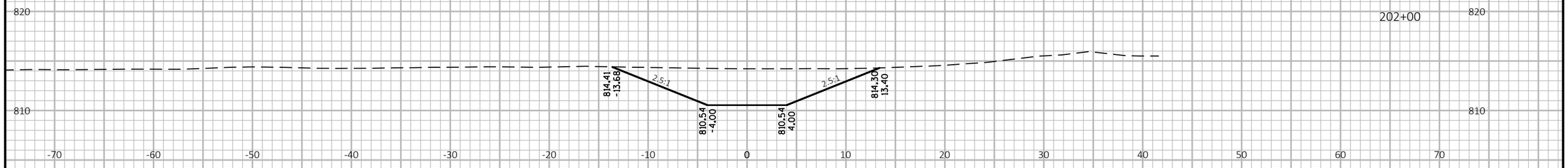
FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 902 - (1)

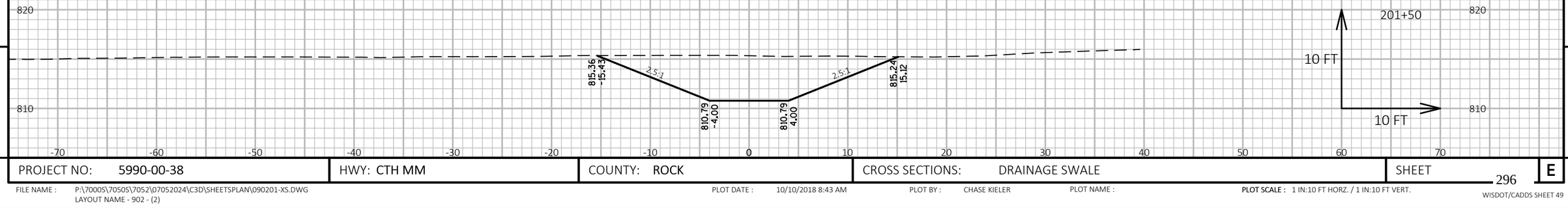
PLOT DATE : 10/10/2018 8:42 AM PLOT BY : CHASE KIELER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



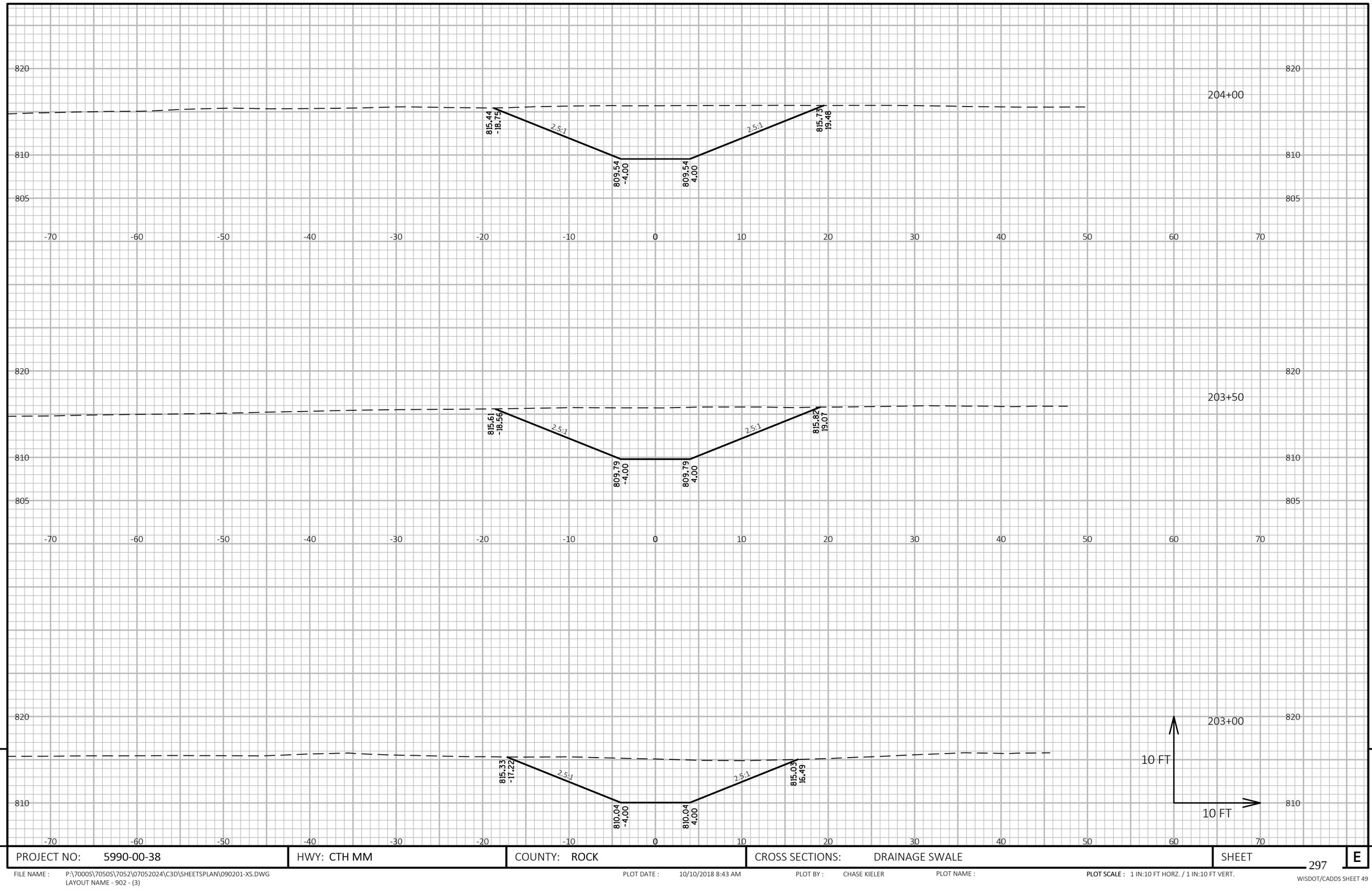




PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: DRAINAGE SWALE	SHEET 296	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 902 - (2)

PLOT DATE : 10/10/2018 8:43 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

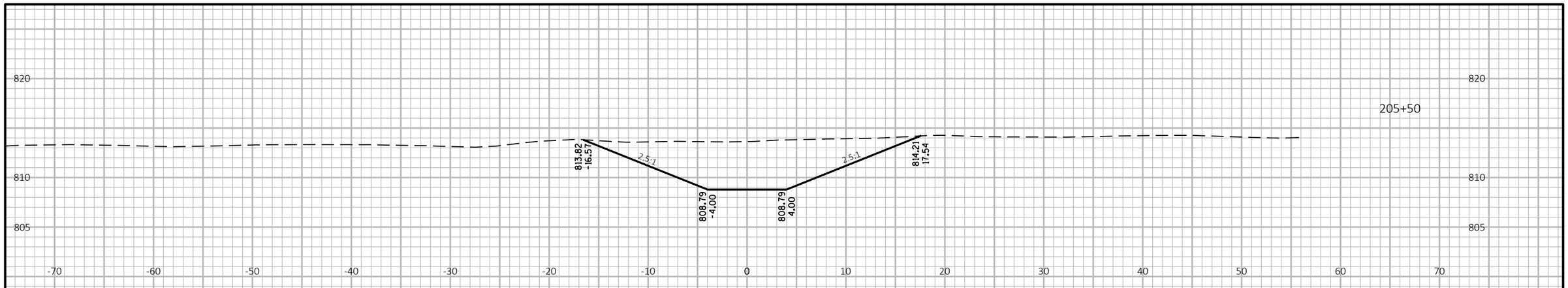


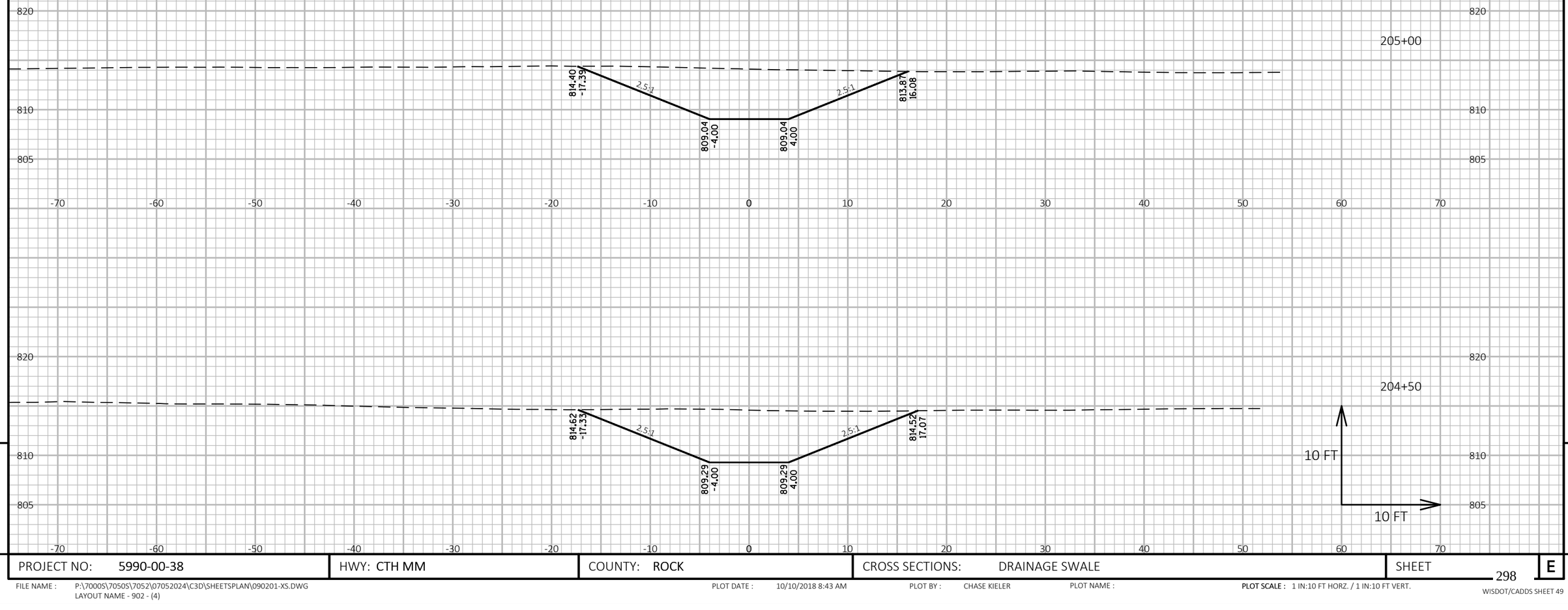
PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: DRAINAGE SWALE	SHEET 297	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 902 - (3)

PLOT DATE : 10/10/2018 8:43 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



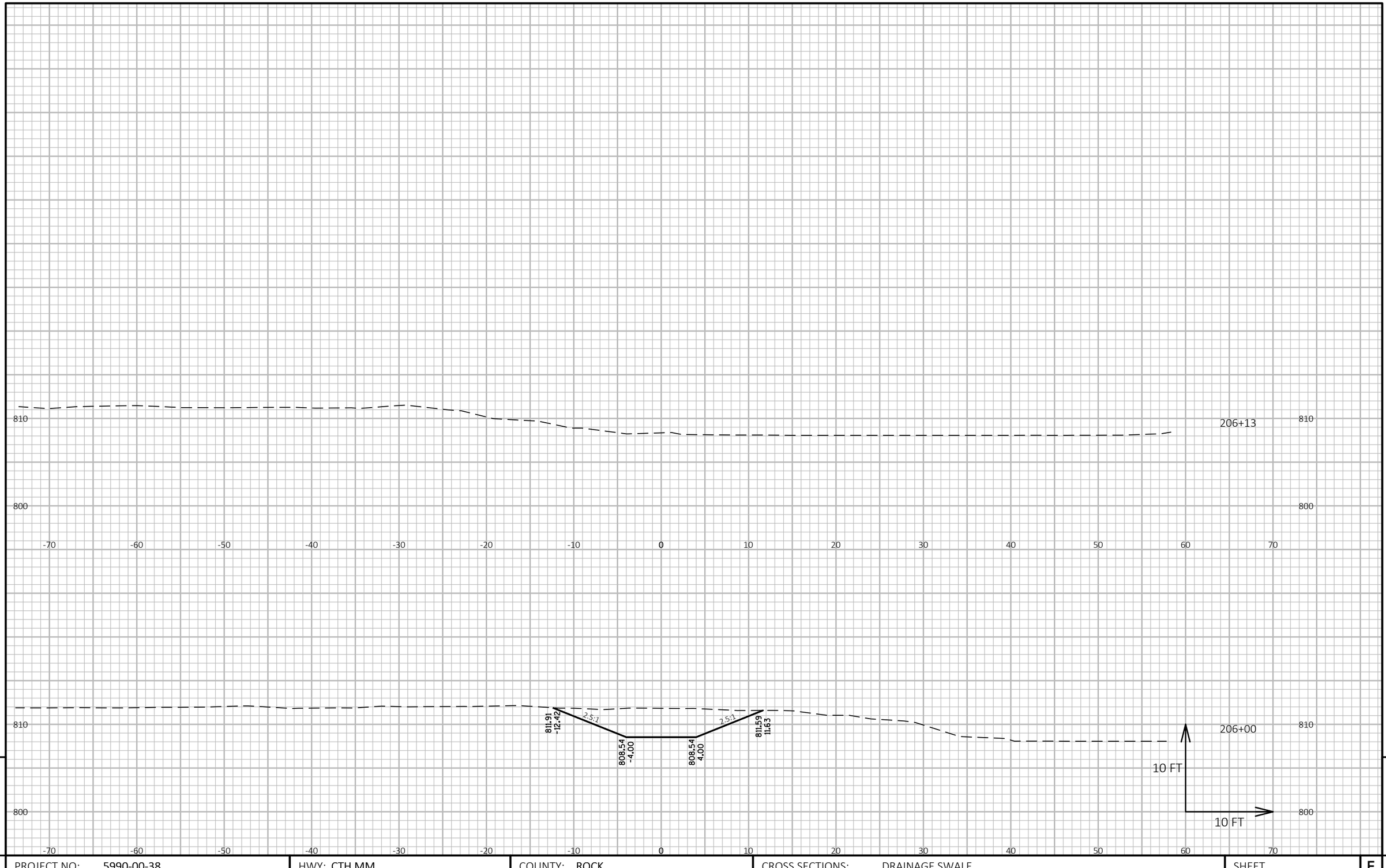


PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: DRAINAGE SWALE	SHEET 298	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 902 - (4)

PLOT DATE : 10/10/2018 8:43 AM PLOT BY : CHASE KIELER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5990-00-38	HWY: CTH MM	COUNTY: ROCK	CROSS SECTIONS: DRAINAGE SWALE	SHEET 299	E

FILE NAME : P:\7000S\7050S\7052\07052024\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 902 - (5)

PLOT DATE : 10/10/2018 8:44 AM PLOT BY : CHASE KIELER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Wisconsin Department of Transportation

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