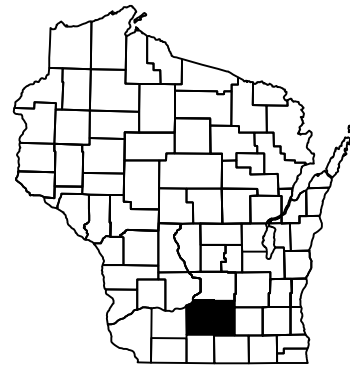




PLAN OF PROPOSED IMPROVEMENT
CITY OF FITCHBURG
 STREET CONSTRUCTION
LACY ROAD RECONSTRUCTION
LACY ROAD & S SEMINOLE HIGHWAY INTERSECTION
 DANE COUNTY

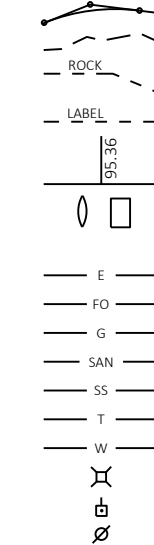
PROJECT NUMBER
22-3495



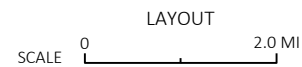
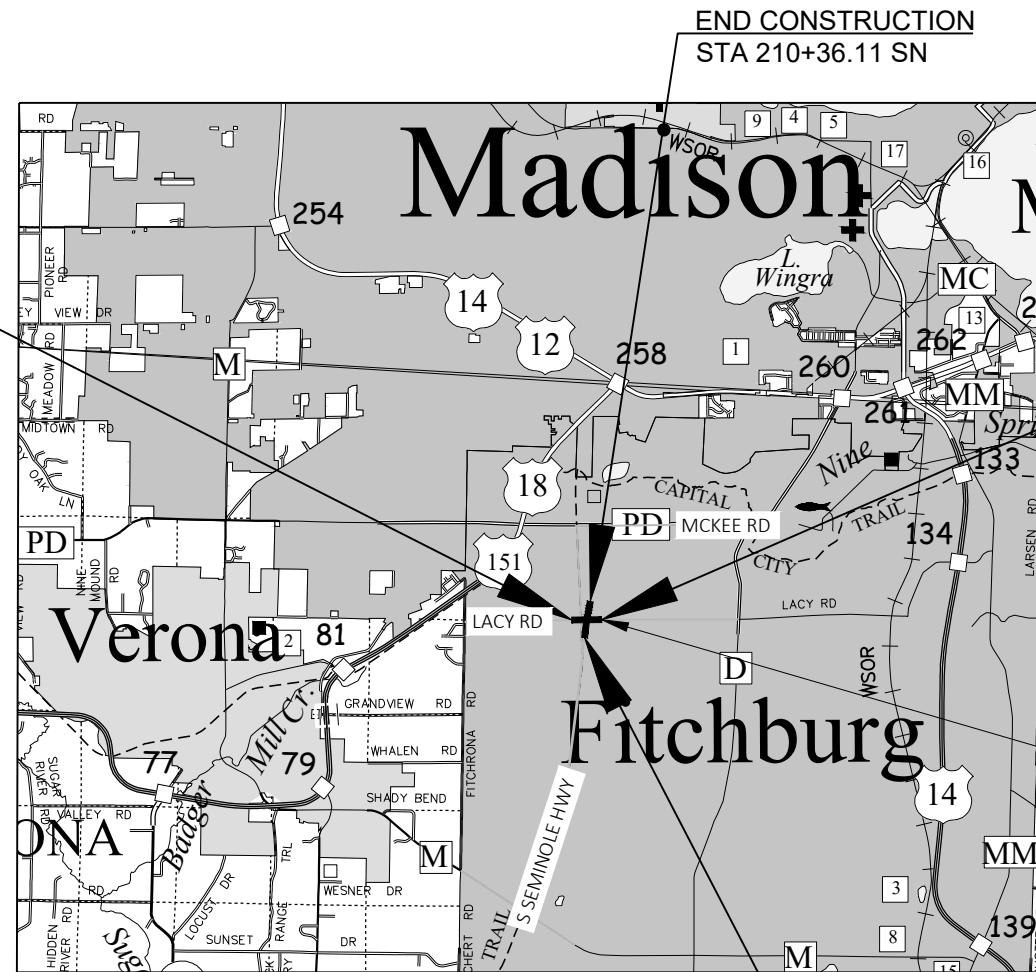
CONVENTIONAL SYMBOLS

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

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	



BEGIN PROJECT
 STA 163+41.15 LE



TOTAL NET LENGTH OF CENTERLINE = 0.170 MILES

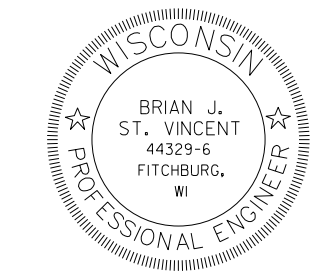
PUBLIC IMPROVEMENT DESIGN
 APPROVED BY:
 1/31/23
 (Date)
 City of Fitchburg

SANITARY SEWER, WATERMAIN, AND EROSION
 CONTROL PLANS PREPARED BY
 EMMONS & OLIVER RESOURCES



1-30-2023
 (Date)

ORIGINAL PLANS PREPARED BY
KL Engineering
 [A] Better Experience



1 of 143
 January 30, 2023
 (Date)

ABBREVIATIONS

AADT	ANNUAL AVERAGE DAILY TRAFFIC
AC	ACRES
AP	ACCESS POINT/DRIVEWAY CONNECTION
AR	ACCESS RIGHTS
ASPH.	ASPHALTIC
ET. AL.	AND OTHERS
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
CTR	CENTER
C/L	CENTERLINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
CMCP	CORRUGATED METAL CULVERT PIPE
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPT	CONSTRUCTION PERMIT
DI	DUCTILE IRON
EB	EASTBOUND
ELEC	ELECTRIC
IE	INVERT ELEVATION
EX.	EXISTING
FO	FIBER OPTIC
F.E.	FIELD ENTRANCE
GAS	GAS
HMA	HOT MIX ASPHALT
HSE.	HOUSE
LHF	LEFT HAND FORWARD
MH	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
NOR.	NORMAL
NTS	NOT TO SCALE
PLE	PERMANENT LIMITED EASEMENT
P.E.	PRIVATE ENTRANCE
P.L.	PROPERTY LINE
PROP.	PROPOSED
PRW	PROPOSED RIGHT-OF-WAY
RAD	RADIUS
R/L	REFERENCE LINE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REQ'D.	REQUIRED
RHF	RIGHT HAND FORWARD
RW	RIGHT-OF-WAY LINE
SAN	SANITARY SEWER
SHLD	SHOULDER
SW	SIDEWALK
SF	SQUARE FEET
SY	SQUARE YARD
S.D.D.	STANDARD DETAIL DRAWING
SDR	STANDARD DIMENSION RATIO
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
WAT	WATER
WB	WESTBOUND

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEMS, DANE COUNTY, NAD83 (2011), WISCRS DANE CO. NAVD88 (2012) IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

UTILITY CONTACTS

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 TSTEINERT@KLENGINEERING.COM

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 TIM.WRIGHT@CHARTER.COM

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CITY OF FITCHBURG

GENERAL NOTES

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 Dial **811** or (800)242-8511
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 TRACY.FOSS@FITCHBURGWI.GOV

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.

GENERAL NOTES

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF "CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"

CONTRACTOR SHALL NOTIFY PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO EXISTING SEWER AND WATER MAIN, AND BEFORE STARTING ALL PHASES OF WORK.

ALL STREET DIMENSIONS (WIDTHS, RADII LENGTH) ARE MEASURED TO THE EDGE OF PAVEMENT UNLESS NOTED IN THE PLANS ELSEWHERE.

ALL GUTTER CROSS SLOPES TO BE -4% UNLESS SPECIFIED AS REJECT OR OTHERWISE NOTED.

ALL ADA RAMPS TO BE VERIFIED BY THE CITY BEFORE PLACEMENT.

ALL ADA RAMPS SHALL BE ADA COMPLIANT INCLUDING THE PROVISION OF NEENAH FOUNDRY'S DETECTABLE WARNING PLATES R-4984 NATURAL FINISH

MANHOLE CASTINGS WITHIN PAVEMENT TO BE SET TO ASPHALT SURFACE GRADE

ALL TREES WITHIN PUBLIC OUTLOTS AND RIGHT OF WAY NEED TO BE REVIEWED BY CITY PRIOR TO DISTURBANCE. ALL TREES NOTED BY CITY SHALL BE REMOVED.

ALL GRADES PROVIDED ALONG RADII ARE ALONG EDGE OF PAVEMENT.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES INSTALLATIONS AS SHOWN IN THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

UTILITY REFERENCE LINES ON THE CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL REFERENCE ONLY.

REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALT SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

NO TREES AND/OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES AND/OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER.

PIPE ELEVATIONS, LENGTHS, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

STORM SEWER AND CULVERT ENDWALL LOCATIONS ARE MARKED ON THE PLANS WITH A STATION AND OFFSET TO THE END OF THE PIPE, WHERE IT MEETS THE ENDWALL. PIPE ENDWALLS SHALL BE LAID AT THE SAME SLOPE AS THE CONNECTING PIPE.

CONCRETE MASONRY ENDWALL STATION AND OFFSET LOCATIONS ARE SHOWN TO THE CENTER OF THE BACK OF THE HEADWALL, WHERE THE PIPES ENTER THE ENDWALL.

LOCATIONS OF INLETS AND MANHOLES AS SHOWN ON THE STORM SEWER SHEETS ARE BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE (SEE CONSTRUCTION DETAILS)

CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND FINISHING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

THE CONTRACTOR'S ASPHALTIC CONCRETE PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS.

PAVEMENT JOINTS SHALL MATCH LANE LINES.

CONTRACTOR SHALL PROTECT DROP OFFS ADJACENT TO LIVE TRAFFIC AT ALL TIMES.

HMA PAVEMENT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

PERMANENT ROADWAYS/PATHS/SIDEWALKS

IDENTIFIER	DESCRIPTION
LE	LACY ROAD EASTBOUND
LW	LACY ROAD WESTBOUND
LR	LACY ROAD ROUNDABOUT
SN	SEMINOLE HIGHWAY NORTHBOUND
SS	SEMINOLE HIGHWAY SOUTHBOUND
PE	PATH EXTENSION
NWQ	ROUNDABOUT NORTHWEST QUADRANT
NEQ	ROUNDABOUT NORTHEAST QUADRANT
SWQ	ROUNDABOUT SOUTHWEST QUADRANT
SEQ	ROUNDABOUT SOUTHEAST QUADRANT

ASPHALT PAVEMENT

LACY ROAD
SEMINOLE HWY --- 5.75-INCHES TOTAL DEPTH TYPE

UPPER:	2.25-INCHES	5 MT 58-28 H
LOWER:	3.50-INCHES	3 MT 58-28 S

MULTI-USE PATH --- 3.00-INCHES TOTAL DEPTH TYPE

UPPER:	3.00-INCHES	POROUS ASPHALT PAVEMENT
--------	-------------	-------------------------

POROUS ASPHALT PAVEMENT SPECIFICATIONS

MIX PROPERTIES	REQUIREMENT
AIR VOIDS (AASHTO T 269-11/ASTM D3203M-11)	> 16%
DRAINDOWN (AASHTO T 305-09/ASTM 6390-11)	< 0.3%
ASPHALT CONTENT (BY WEIGHT OF TOTAL MIX)	5.75% MIN.
NOMINAL AGGREGATE SIZE	9.5 MM



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CITY OF FITCHBURG

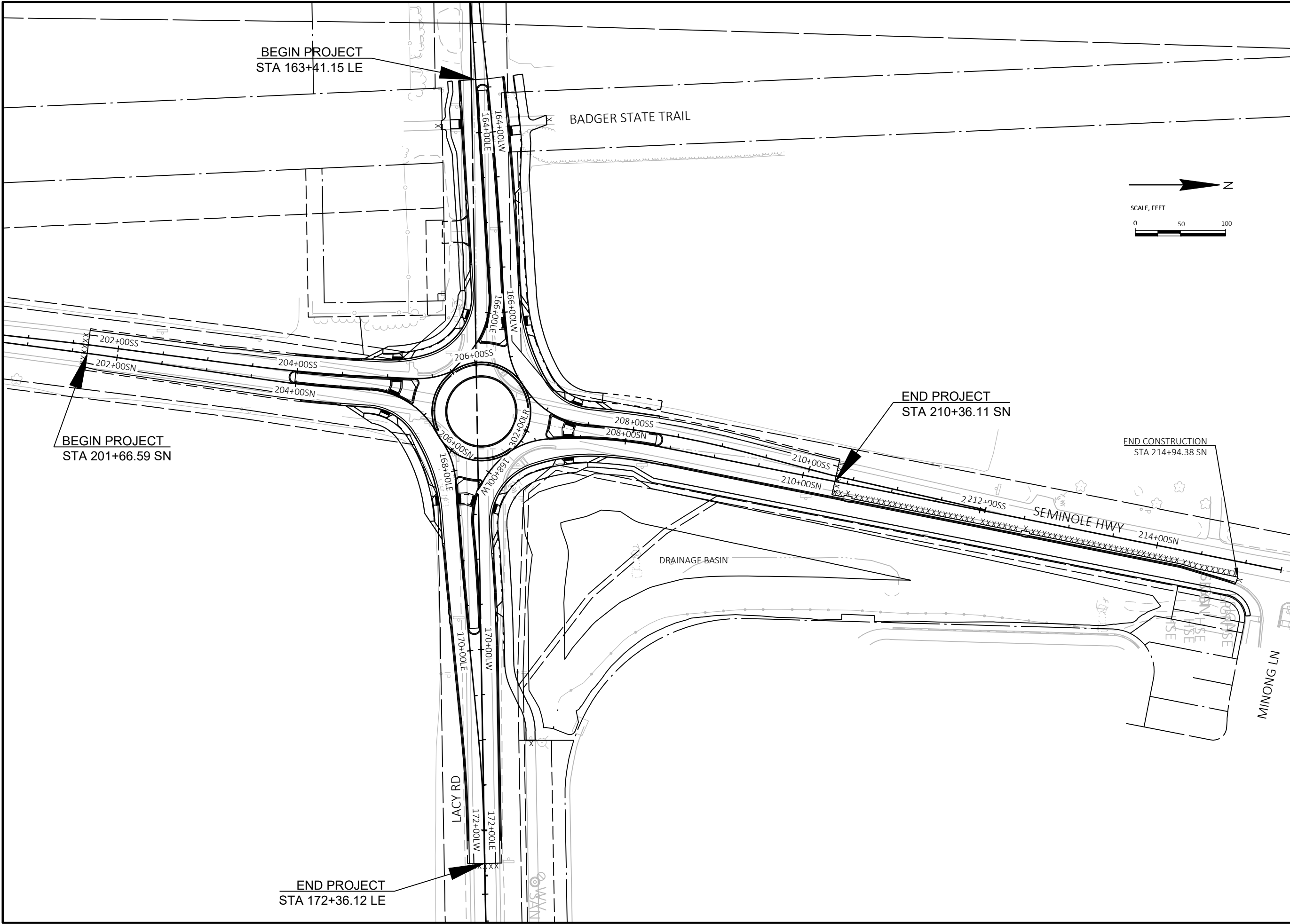
GENERAL NOTES

Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

SHEET NO.

FILE NAME : G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\020201_PO.DWG
PLOT BY : BRIAN ST. VINCENT
PLOT DATE : 9/14/2022 9:08 AM



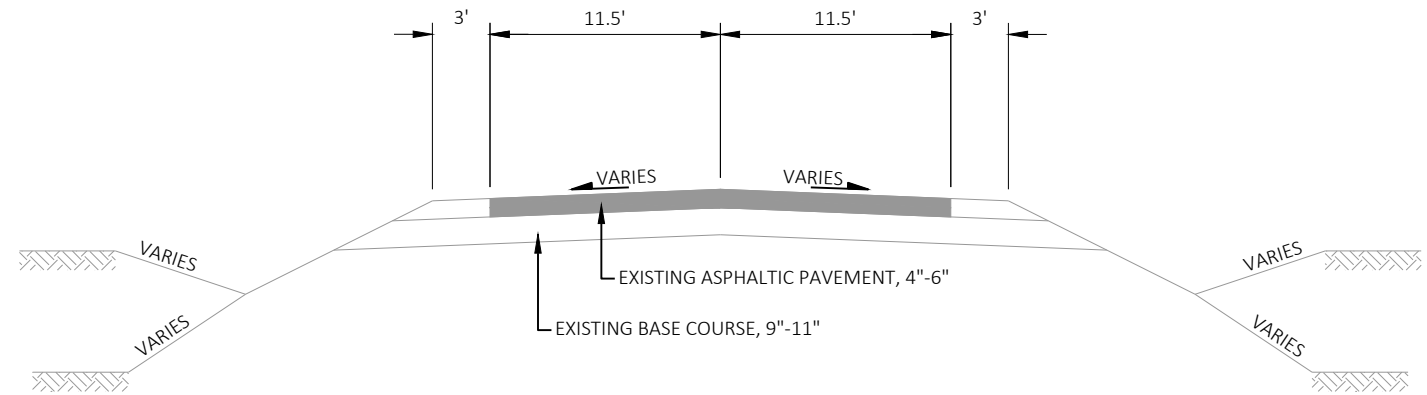
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CITY OF FITCHBURG
PROJECT OVERVIEW

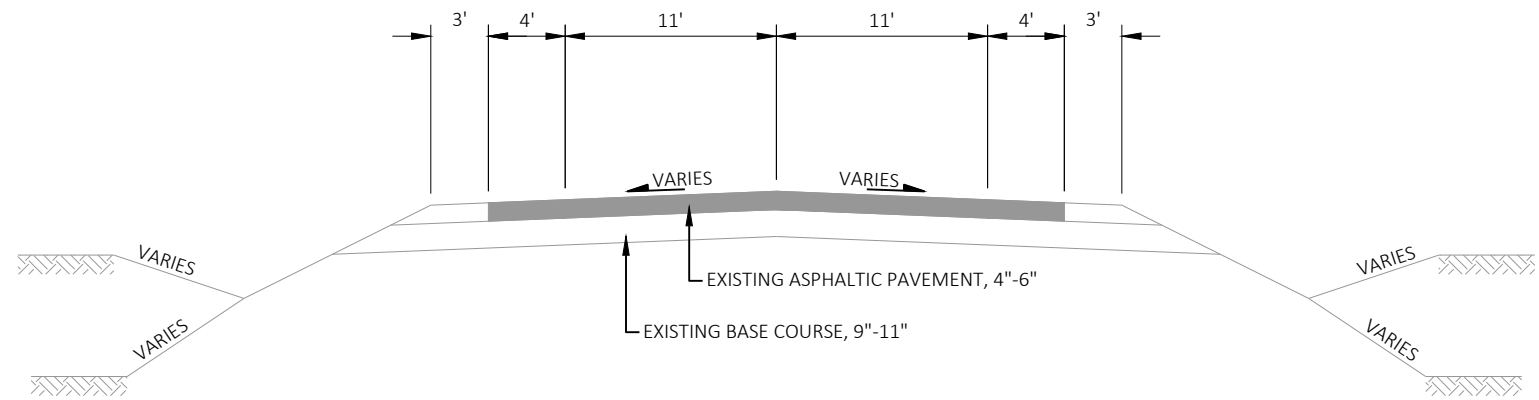
Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

SHEET NO.
4 of 143



TYPICAL EXISTING SECTION - LACY ROAD
STA. 163+41 LE TO STA. 163+84 LE



TYPICAL EXISTING SECTION - LACY ROAD
STA. 163+84 LE TO STA. 172+34 LE



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CITY OF FITCHBURG

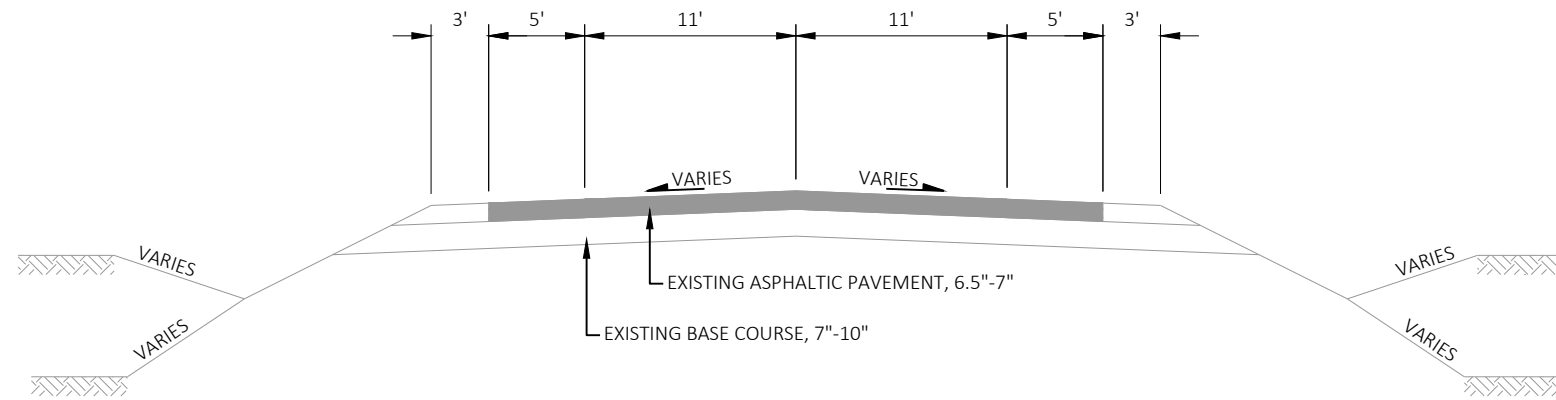
TYPICAL SECTIONS

Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

SHEET NO.

5 of 143



TYPICAL EXISTING SECTION - S SEMINOLE HWY
 STA. 201+66 SN TO STA. 210+36 SN



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CITY OF FITCHBURG

TYPICAL SECTIONS

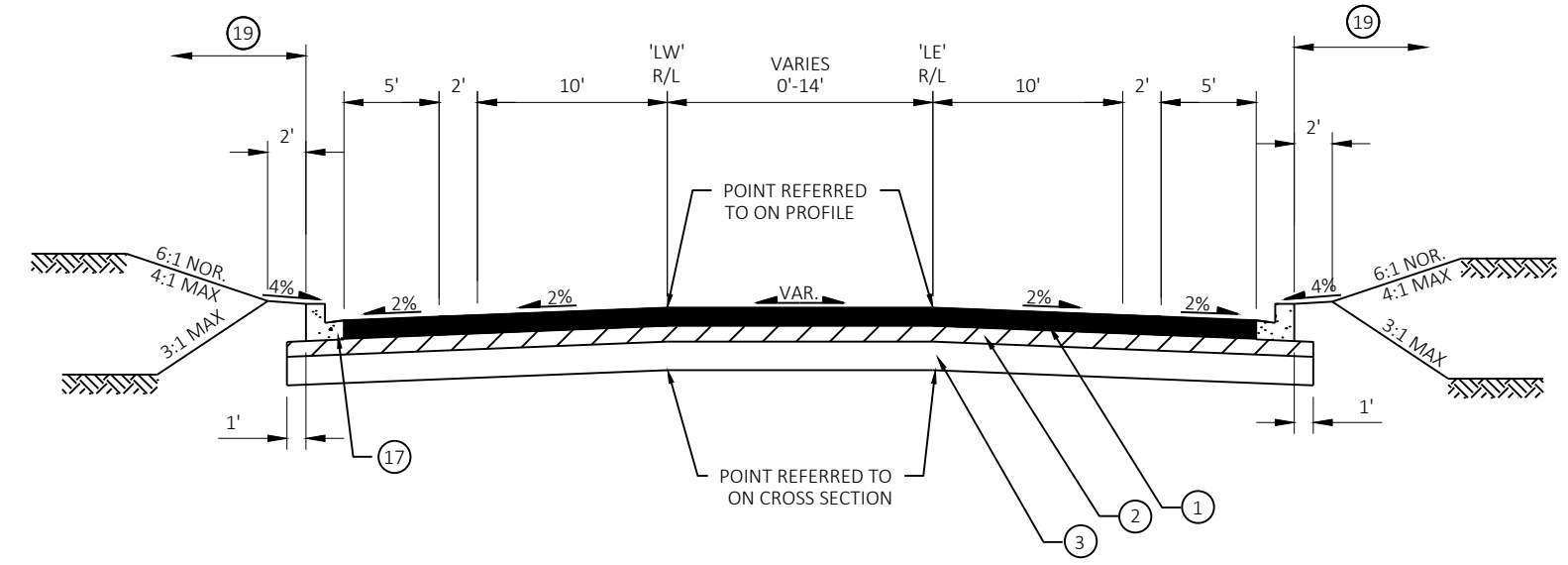
Project No: 22-3495
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Revisions:

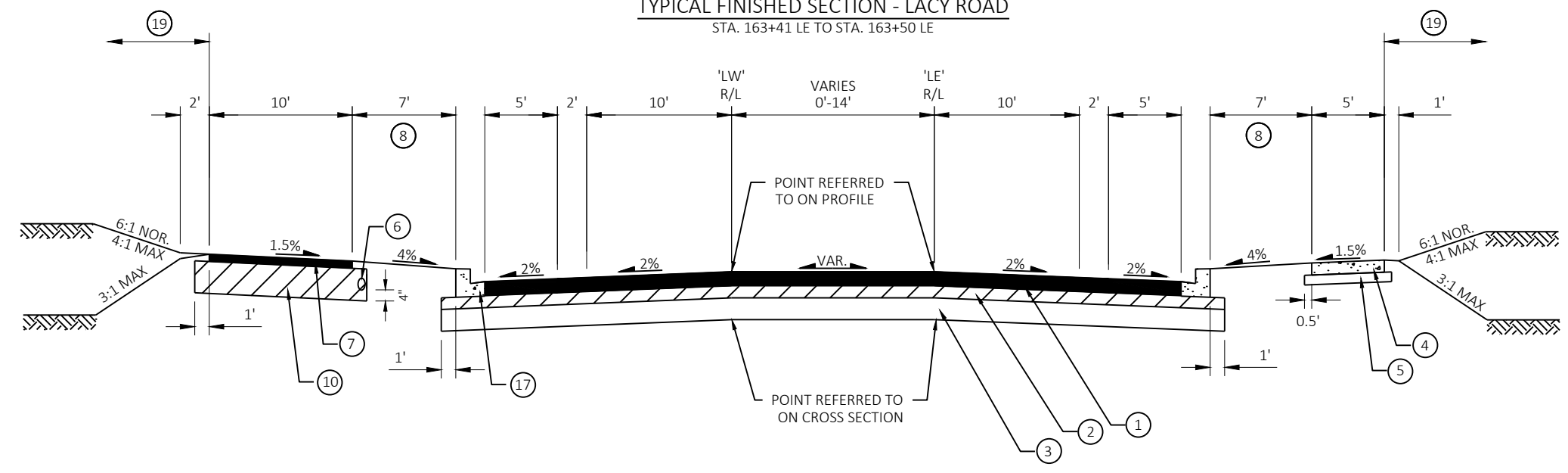
SHEET NO.

6 of 143

CITY OF FITCHBURG
TYPICAL SECTIONS



TYPICAL FINISHED SECTION - LACY ROAD
 STA. 163+41 LE TO STA. 163+50 LE



TYPICAL FINISHED SECTION - LACY ROAD
 STA. 169+82 LE TO STA. 172+00 LE

LEGEND

① HMA PAVEMENT 5.75-INCH	⑦ POROUS ASPHALT PAVEMENT 3-INCH	⑬ CONCRETE SIDEWALK 5-INCH RED STAMPED	⑲ SALVAGED TOPSOIL, SEEDING MIX 40, FERTILIZER TYPE B, AND EROSION MAT
② BASE AGGREGATE DENSE 1 1/4-INCH, 5-INCH	⑧ SALVAGED TOPSOIL, TURF GRASS SEEDING, FERTILIZER TYPE B, AND EROSION MAT	⑭ BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH	
③ BASE AGGREGATE DENSE 3-INCH, 9-INCH	⑨ SEEDING MIX 40 AND FERTILIZER TYPE B	⑮ BASE AGGREGATE DENSE 3/4-INCH	
④ CONCRETE SIDEWALK 5-INCH	⑩ BASE AGGREGATE OPEN-GRADED, 12-INCH	⑯ CONCRETE CURB & GUTTER 18-INCH TYPE A	
⑤ BASE AGGREGATE DENSE 3/4-INCH, 4-INCH	⑪ CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED	⑰ CONCRETE CURB & GUTTER 24-INCH	
⑥ PIPE UNDERDRAIN 6-INCH	⑫ CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	⑱ CONCRETE CURB & GUTTER 30-INCH	

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
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Revisions:

SHEET NO.

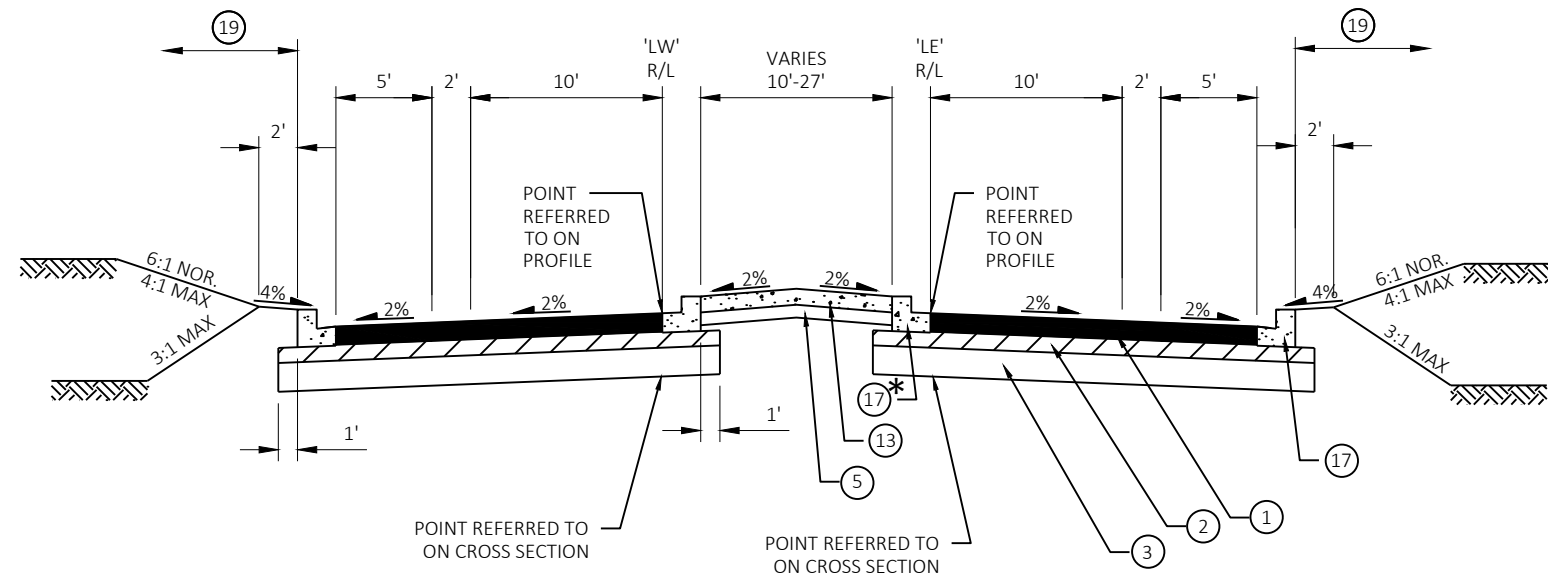


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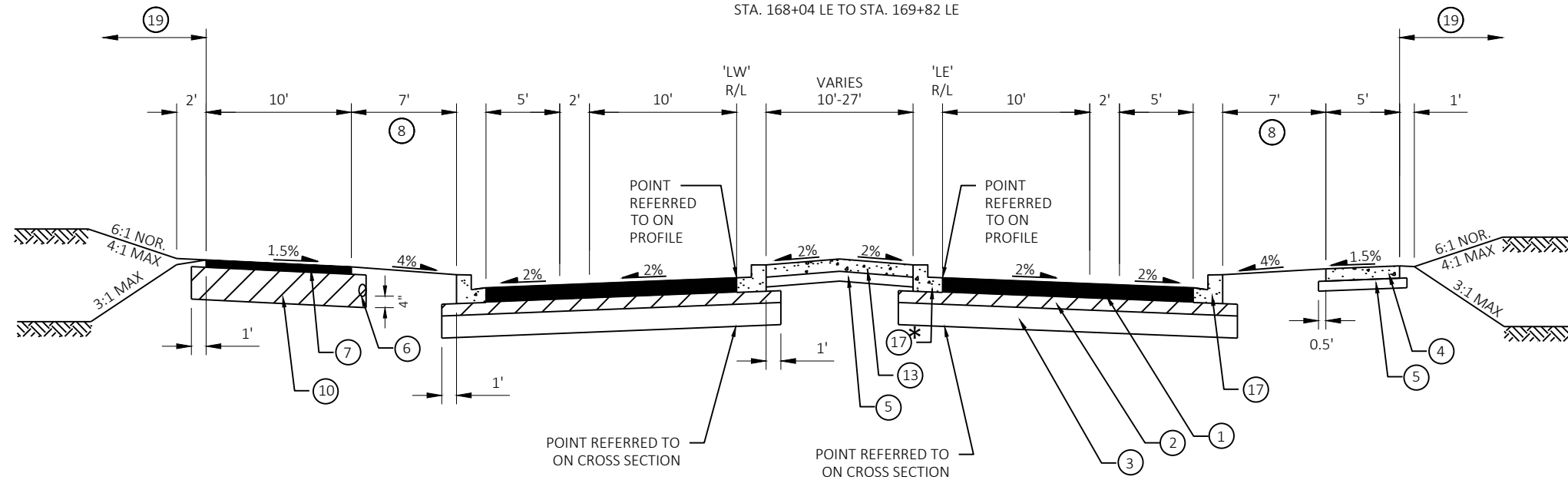
CITY OF FITCHBURG

TYPICAL SECTIONS



TYPICAL FINISHED SECTION - LACY ROAD

STA. 163+50 LE TO STA. 166+40 LE
STA. 168+04 LE TO STA. 169+82 LE



TYPICAL FINISHED SECTION - LACY ROAD

STA. 163+50 LE TO STA. 166+40 LE

* REJECT CURB

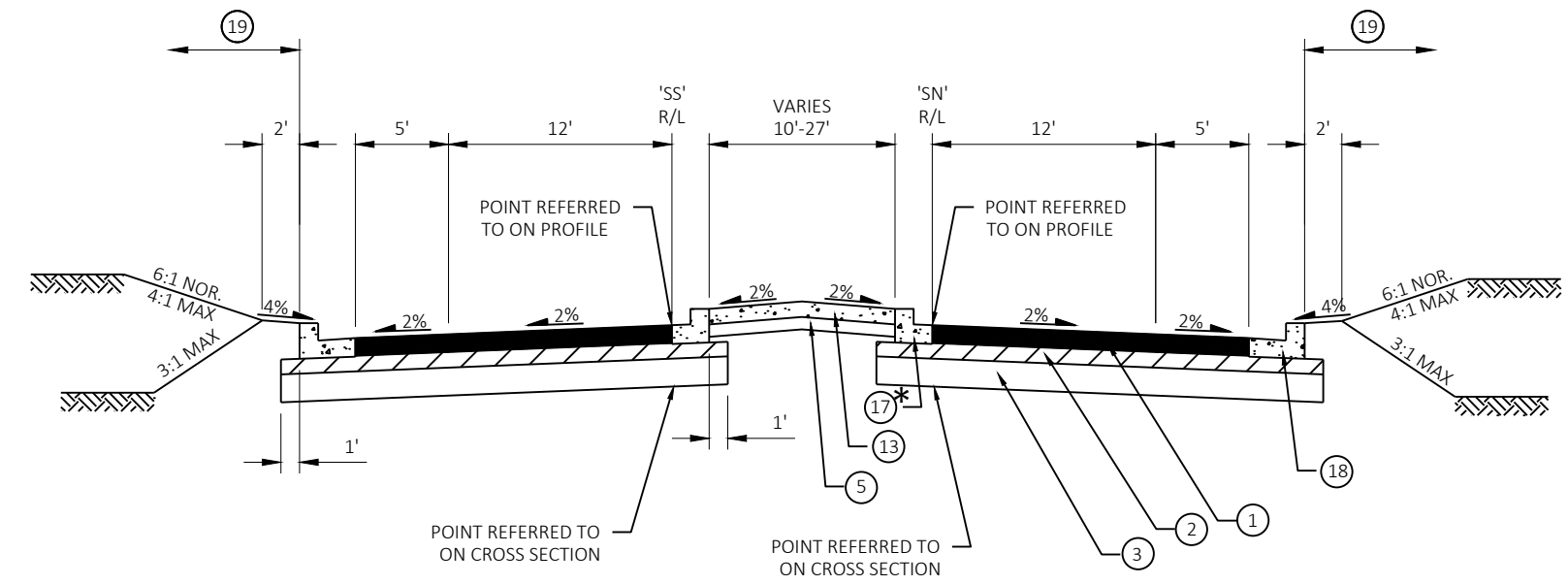
LEGEND

- | | | | |
|---|--|---|--|
| ① HMA PAVEMENT 5.75-INCH | ⑦ POROUS ASPHALT PAVEMENT 3-INCH | ⑬ CONCRETE SIDEWALK 5-INCH RED STAMPED | ⑲ SALVAGED TOPSOIL, SEEDING MIX 40, FERTILIZER TYPE B, AND EROSION MAT |
| ② BASE AGGREGATE DENSE 1 1/4-INCH, 5-INCH | ⑧ SALVAGED TOPSOIL, TURF GRASS SEEDING, FERTILIZER TYPE B, AND EROSION MAT | ⑭ BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH | |
| ③ BASE AGGREGATE DENSE 3-INCH, 9-INCH | ⑨ SEEDING MIX 40 AND FERTILIZER TYPE B | ⑮ BASE AGGREGATE DENSE 3/4-INCH | |
| ④ CONCRETE SIDEWALK 5-INCH | ⑩ BASE AGGREGATE OPEN-GRADED, 12-INCH | ⑯ CONCRETE CURB & GUTTER 18-INCH TYPE A | |
| ⑤ BASE AGGREGATE DENSE 3/4-INCH, 4-INCH | ⑪ CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED | ⑰ CONCRETE CURB & GUTTER 24-INCH | |
| ⑥ PIPE UNDERDRAIN 6-INCH | ⑫ CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R | ⑱ CONCRETE CURB & GUTTER 30-INCH | |

Project No: 22-3495
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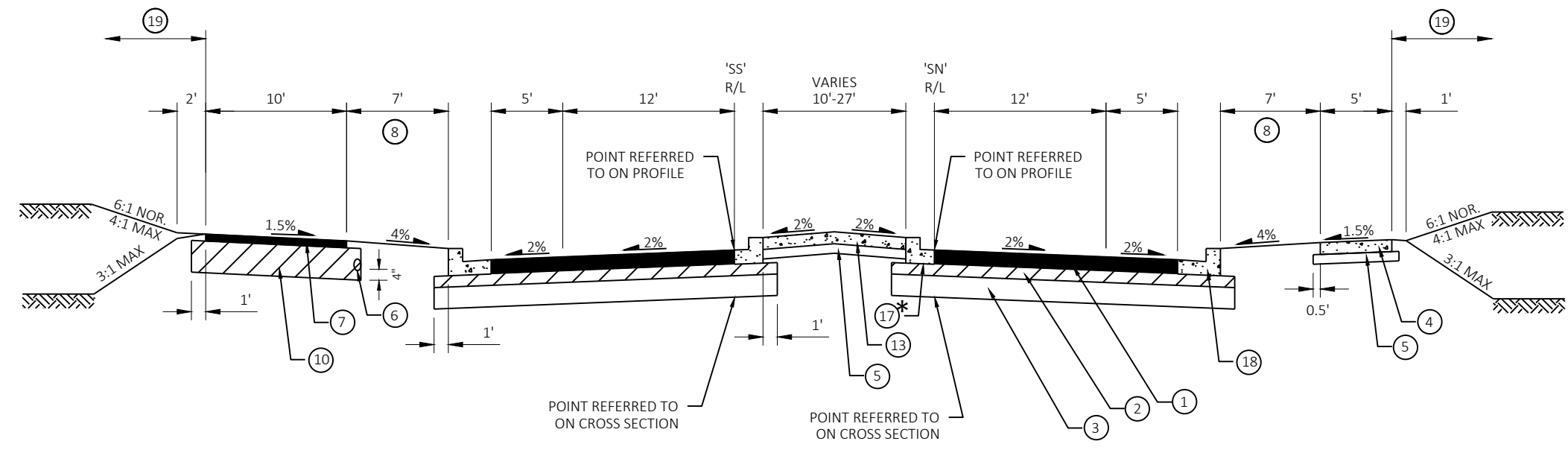
Revisions:

SHEET NO.



TYPICAL FINISHED SECTION - S SEMINOLE HWY

STA. 203+92 SN TO STA. 204+75 SN
 STA. 207+75 SN TO STA. 208+33 SN



TYPICAL FINISHED SECTION - S SEMINOLE HWY

STA. 204+75 SN TO STA. 205+34 SN
 STA. 207+04 SN TO STA. 207+75 SN

* REJECT CURB

LEGEND

① HMA PAVEMENT 5.75-INCH	⑦ POROUS ASPHALT PAVEMENT 3-INCH	⑬ CONCRETE SIDEWALK 5-INCH RED STAMPED	⑲ SALVAGED TOPSOIL, SEEDING MIX 40, FERTILIZER TYPE B, AND EROSION MAT
② BASE AGGREGATE DENSE 1 1/4-INCH, 5-INCH	⑧ SALVAGED TOPSOIL, TURF GRASS SEEDING, FERTILIZER TYPE B, AND EROSION MAT	⑭ BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH	
③ BASE AGGREGATE DENSE 3-INCH, 9-INCH	⑨ SEEDING MIX 40 AND FERTILIZER TYPE B	⑮ BASE AGGREGATE DENSE 3/4-INCH	
④ CONCRETE SIDEWALK 5-INCH	⑩ BASE AGGREGATE OPEN-GRADED, 12-INCH	⑯ CONCRETE CURB & GUTTER 18-INCH TYPE A	
⑤ BASE AGGREGATE DENSE 3/4-INCH, 4-INCH	⑪ CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED	⑰ CONCRETE CURB & GUTTER 24-INCH	
⑥ PIPE UNDERDRAIN 6-INCH	⑫ CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	⑱ CONCRETE CURB & GUTTER 30-INCH	

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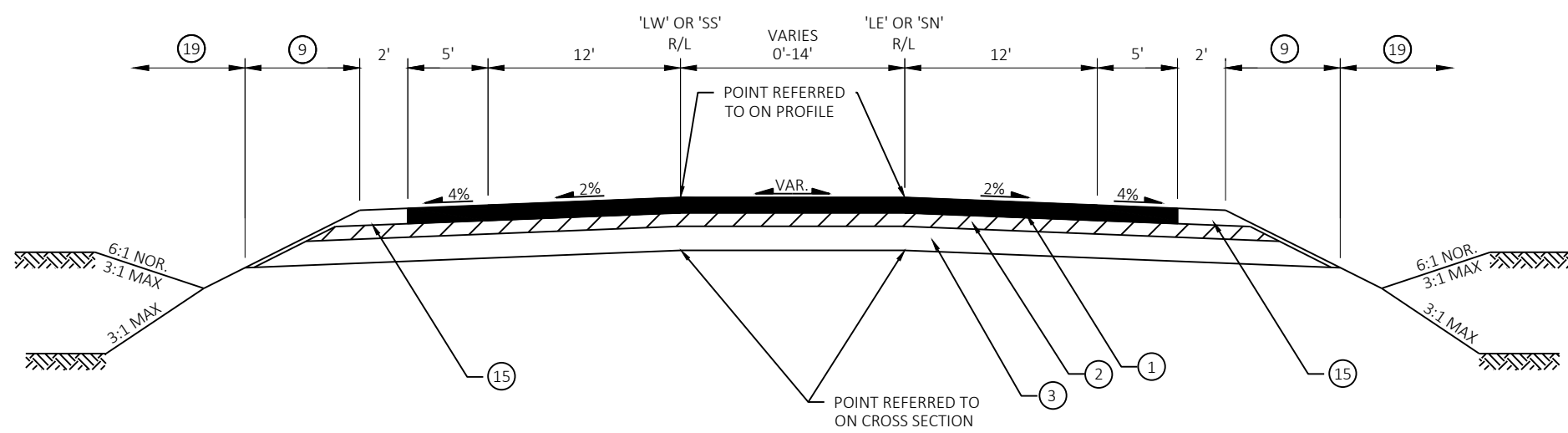
Revisions:

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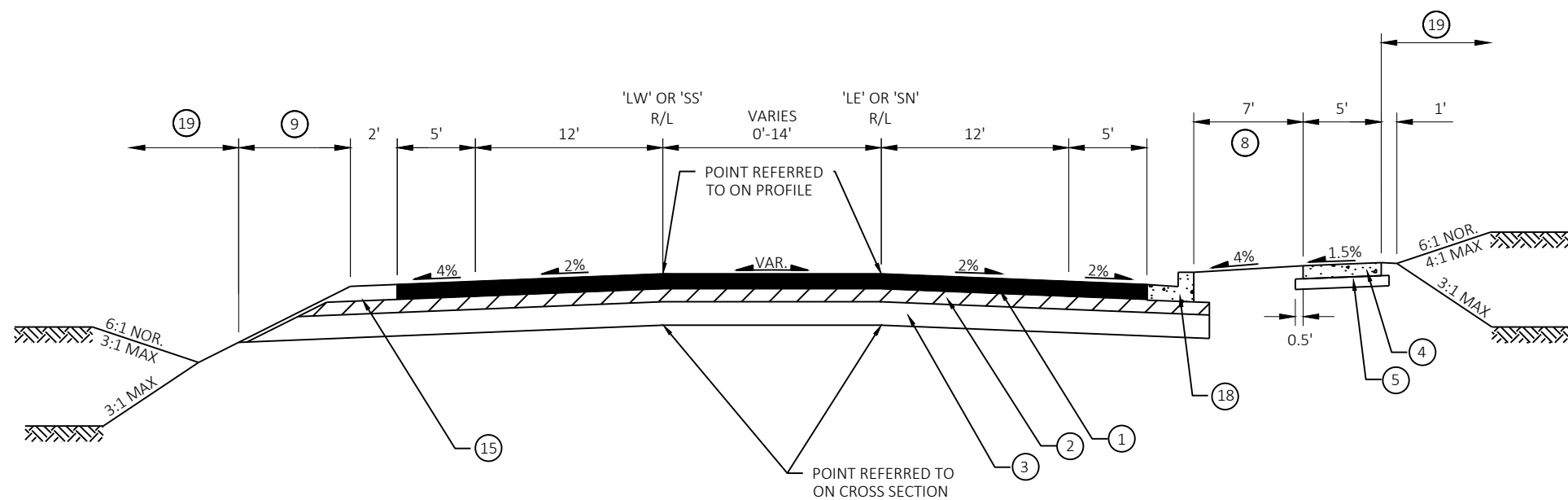
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 http://klengineering.com
 email@klengineering.com



TYPICAL FINISHED SECTION - LACY ROAD & SEMINOLE HWY

STA. 201+66 SN TO STA. 203+92 SN
 STA. 172+11 LE TO STA. 172+34 LE



TYPICAL FINISHED SECTION - LACY ROAD & SEMINOLE HWY

STA. 208+33 SN TO STA. 210+36 SN

LEGEND

① HMA PAVEMENT 5.75-INCH	⑦ POROUS ASPHALT PAVEMENT 3-INCH	⑬ CONCRETE SIDEWALK 5-INCH RED STAMPED	⑲ SALVAGED TOPSOIL, SEEDING MIX 40, FERTILIZER TYPE B, AND EROSION MAT
② BASE AGGREGATE DENSE 1 1/4-INCH, 5-INCH	⑧ SALVAGED TOPSOIL, TURF GRASS SEEDING, FERTILIZER TYPE B, AND EROSION MAT	⑭ BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH	
③ BASE AGGREGATE DENSE 3-INCH, 9-INCH	⑨ SEEDING MIX 40 AND FERTILIZER TYPE B	⑮ BASE AGGREGATE DENSE 3/4-INCH	
④ CONCRETE SIDEWALK 5-INCH	⑩ BASE AGGREGATE OPEN-GRADED, 12-INCH	⑯ CONCRETE CURB & GUTTER 18-INCH TYPE A	
⑤ BASE AGGREGATE DENSE 3/4-INCH, 4-INCH	⑪ CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED	⑰ CONCRETE CURB & GUTTER 24-INCH	
⑥ PIPE UNDERDRAIN 6-INCH	⑫ CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	⑱ CONCRETE CURB & GUTTER 30-INCH	

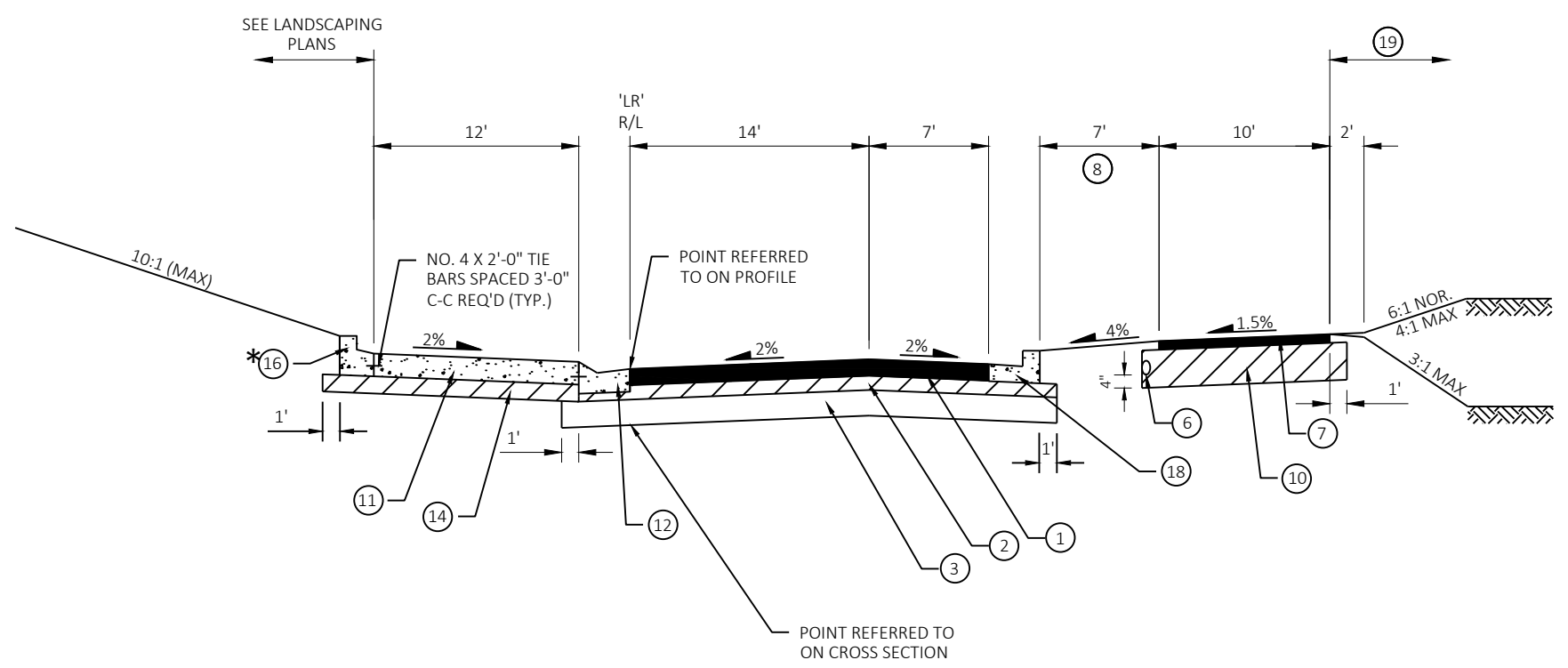
CITY OF FITCHBURG

TYPICAL SECTIONS

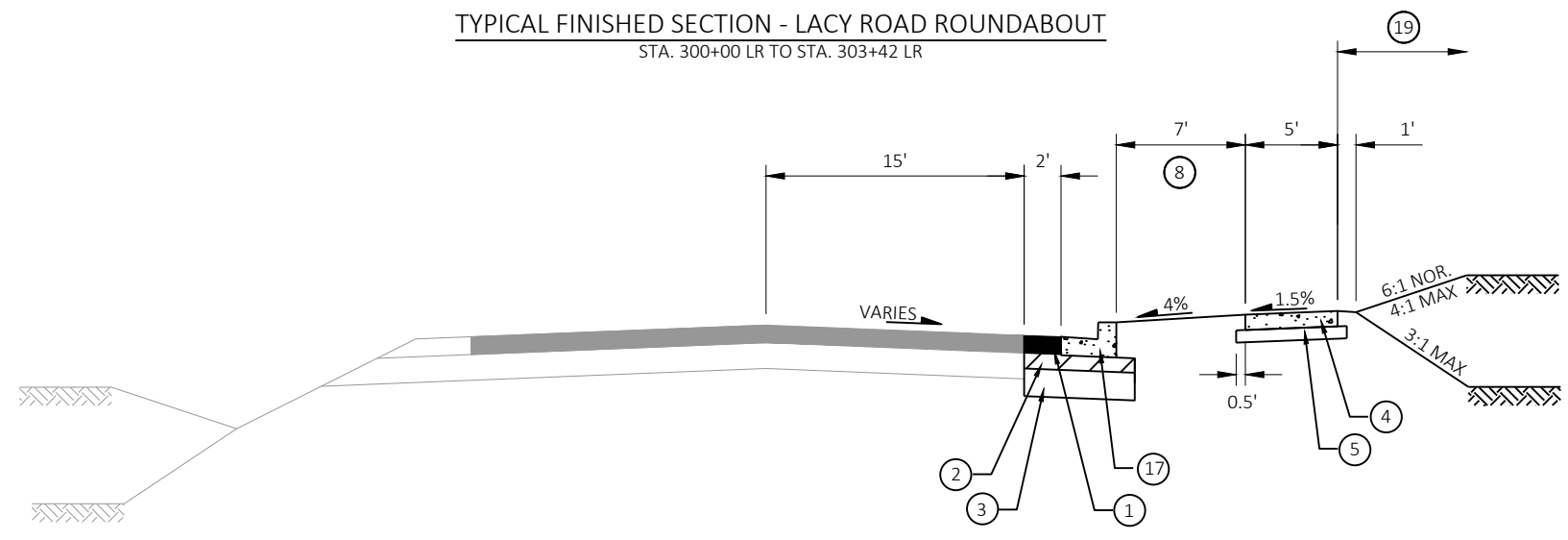
Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.



TYPICAL FINISHED SECTION - LACY ROAD ROUNDABOUT
STA. 300+00 LR TO STA. 303+42 LR



TYPICAL FINISHED SECTION - SEMINOLE HWY
STA. 210+36 SN TO STA. 214+94 SN

* REJECT CURB

LEGEND

① HMA PAVEMENT 5.75-INCH	⑦ POROUS ASPHALT PAVEMENT 3-INCH	⑬ CONCRETE SIDEWALK 5-INCH RED STAMPED	⑲ SALVAGED TOPSOIL, SEEDING MIX 40, FERTILIZER TYPE B, AND EROSION MAT
② BASE AGGREGATE DENSE 1 1/4-INCH, 5-INCH	⑧ SALVAGED TOPSOIL, TURF GRASS SEEDING, FERTILIZER TYPE B, AND EROSION MAT	⑭ BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH	
③ BASE AGGREGATE DENSE 3-INCH, 9-INCH	⑨ SEEDING MIX 40 AND FERTILIZER TYPE B	⑮ BASE AGGREGATE DENSE 3/4-INCH	
④ CONCRETE SIDEWALK 5-INCH	⑩ BASE AGGREGATE OPEN-GRADED, 12-INCH	⑯ CONCRETE CURB & GUTTER 18-INCH TYPE A	
⑤ BASE AGGREGATE DENSE 3/4-INCH, 4-INCH	⑪ CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED	⑰ CONCRETE CURB & GUTTER 24-INCH	
⑥ PIPE UNDERDRAIN 6-INCH	⑫ CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R	⑱ CONCRETE CURB & GUTTER 30-INCH	

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CITY OF FITCHBURG
TYPICAL SECTIONS

Project No: 22-3495
Date: 08-2022
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Checked By: DR

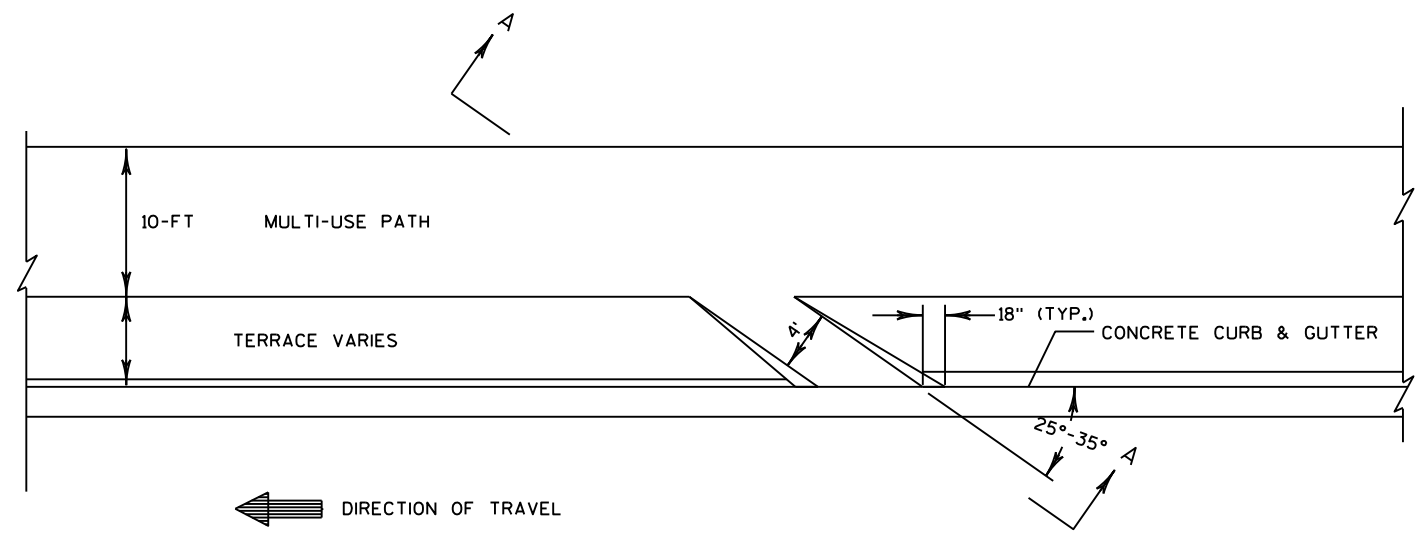
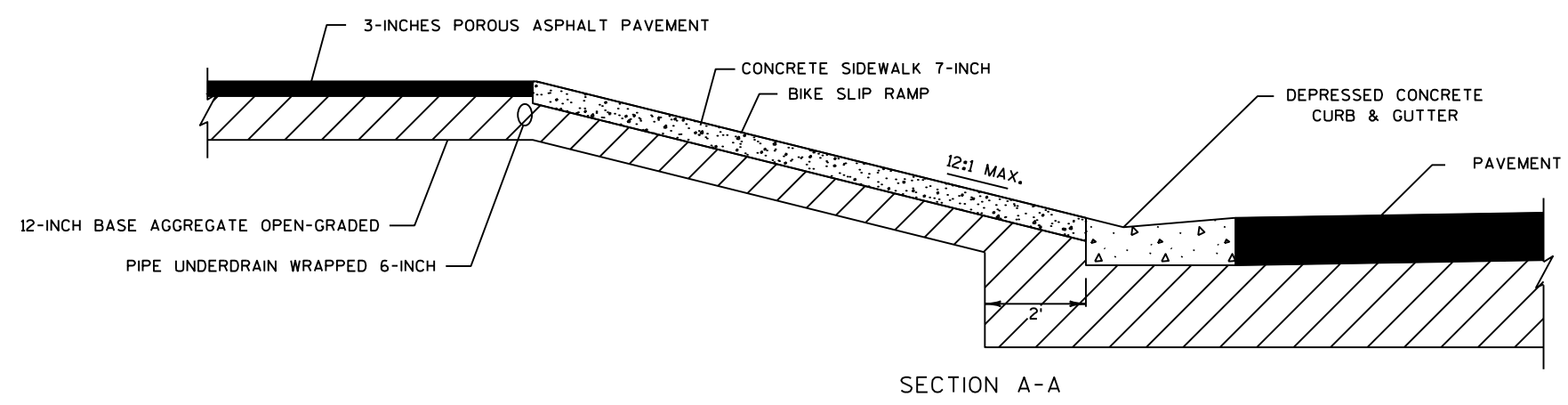
Revisions:

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PLOT BY: KLENGINEERING PLOT DATE: 9/13/2022 9:33 AM

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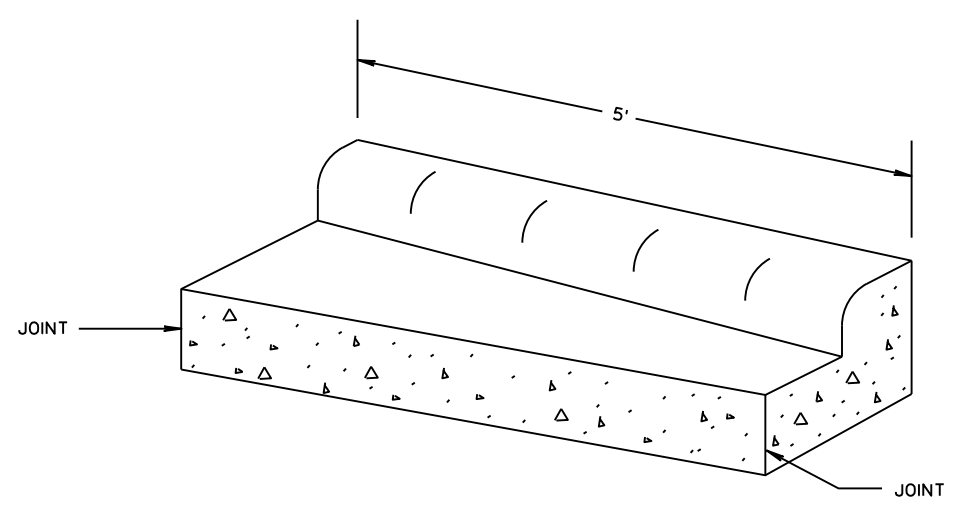
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BIKE RAMP EXIT

- STA 165+55 LE, RT
- STA 168+71 LE, RT
- STA 165+87 LW, LT
- STA 168+86 LW, LT
- STA 204+61 SN, RT
- STA 207+78 SN, RT
- STA 204+77 SS, LT
- STA 207+71 SS, LT

BIKE SLIP RAMP DETAIL



CURB TRANSITION DETAIL

CONCRETE CURB & GUTTER 30-INCH
 TO CONCRETE CURB & GUTTER 24-INCH
 (TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER
 30-INCH)

CITY OF FITCHBURG

CONSTRUCTION DETAILS

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.

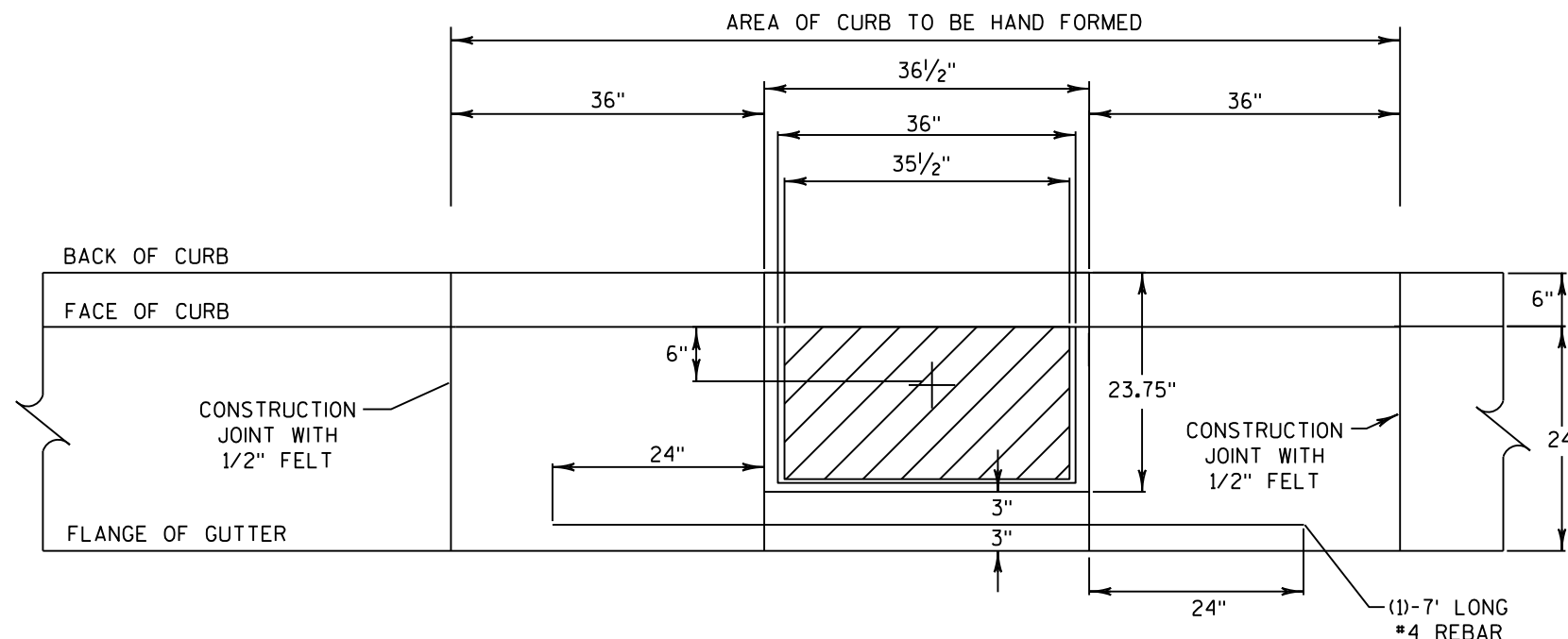


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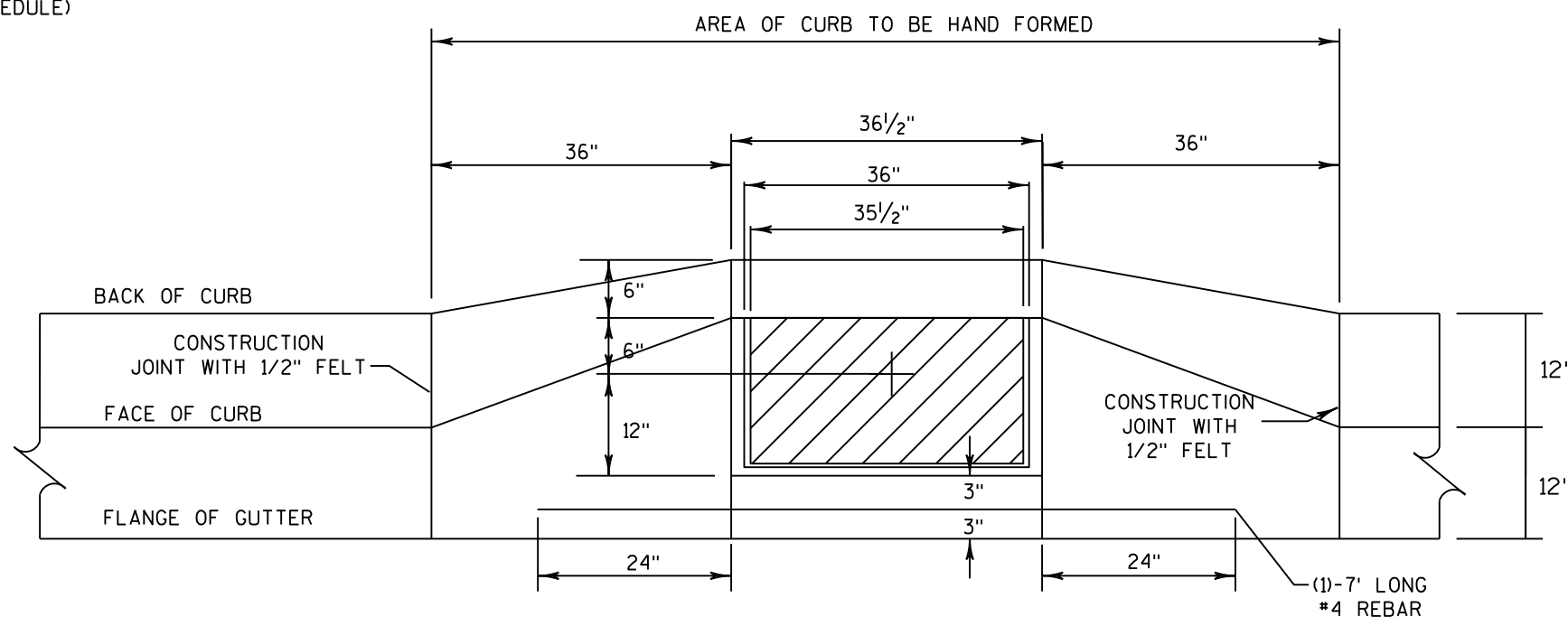
CITY OF FITCHBURG

CONSTRUCTION DETAILS



TYPE H CASTING AND 30-INCH CONCRETE CURB AND GUTTER
 PLAN VIEW

+ = CENTER OF STRUCTURE
 (STATION AND OFFSET
 AS INDICATED ON THE
 STORM SCHEDULE)



TYPE H CASTING AND 24-INCH CONCRETE CURB AND GUTTER
 PLAN VIEW

INLET LOCATIONS IN VARIOUS TYPES OF CURB DETAIL

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

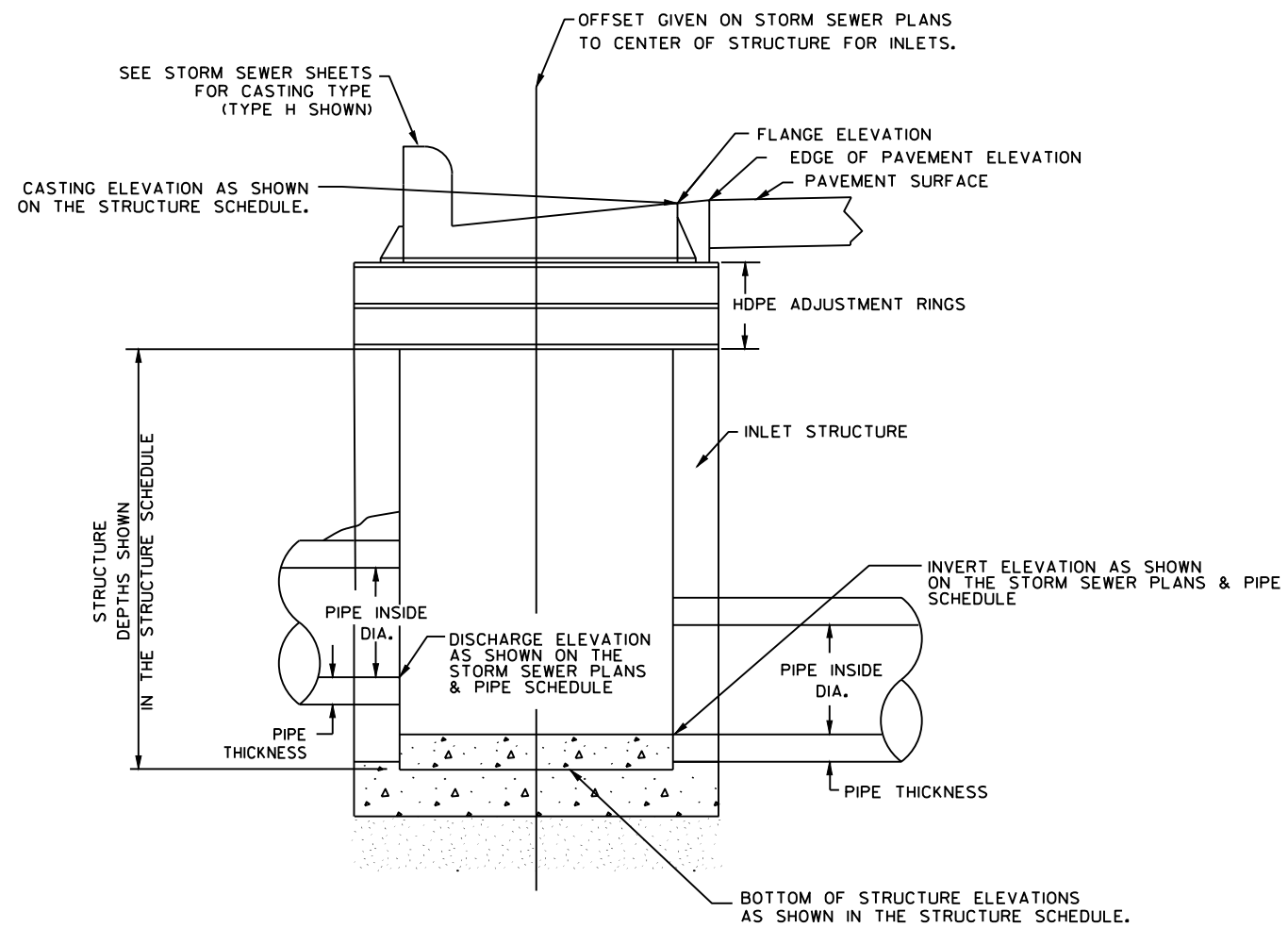
Revisions:

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FILE NAME : G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETSP\LAN02.1001_CD.DWG
 PLOT BY : KLENGINEERING
 PLOT DATE : 9/13/2022 9:34 AM

GENERAL NOTES:

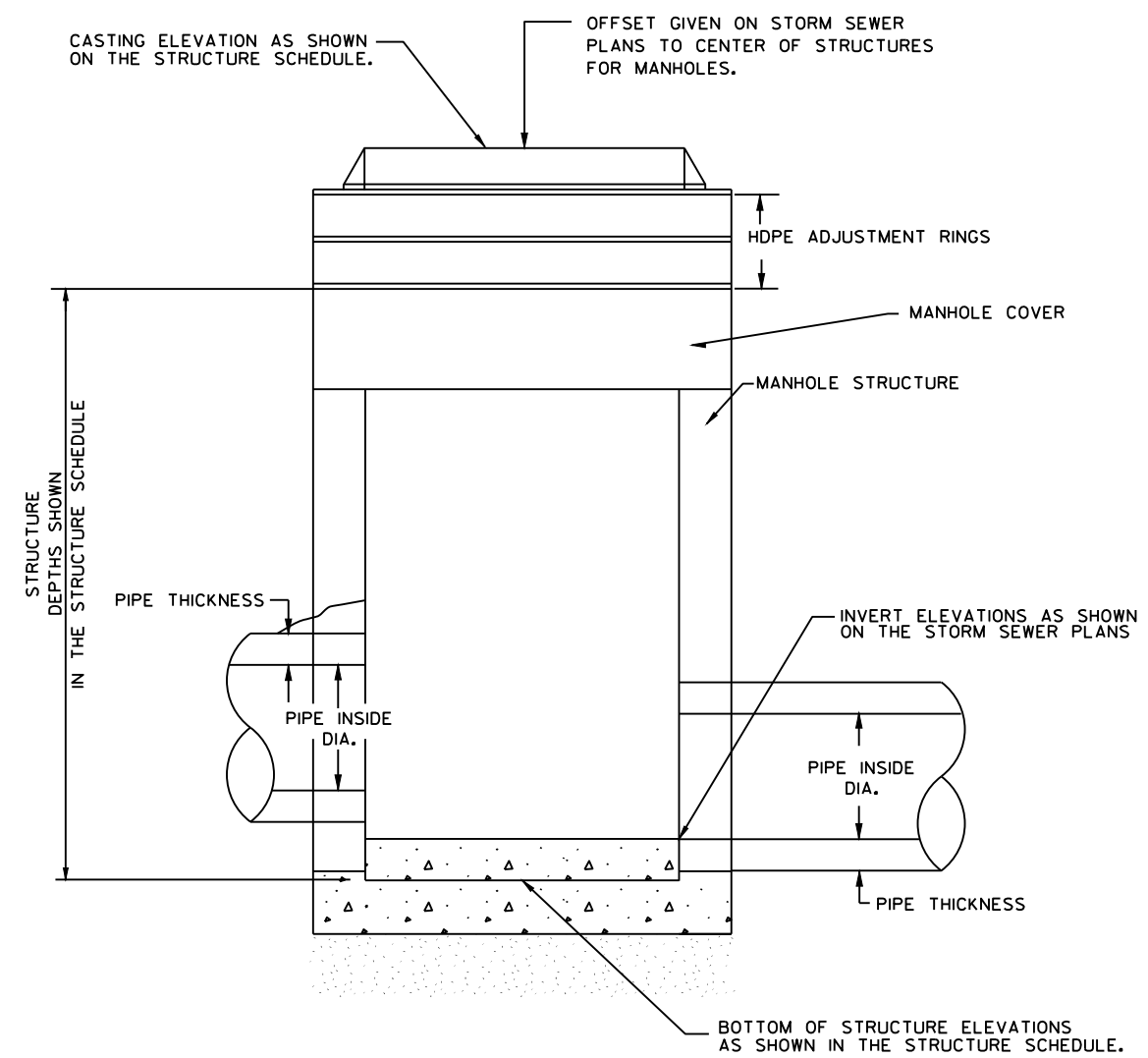
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKSMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CITY OF FITCHBURG SPECIFICATIONS.



DETAIL OF INLET W/CASTING

GENERAL NOTES:

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKSMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CITY OF FITCHBURG SPECIFICATIONS.



STROM SEWER MANHOLE W/CASTING DETAIL



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CONSTRUCTION DETAILS

Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

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CITY OF FITCHBURG

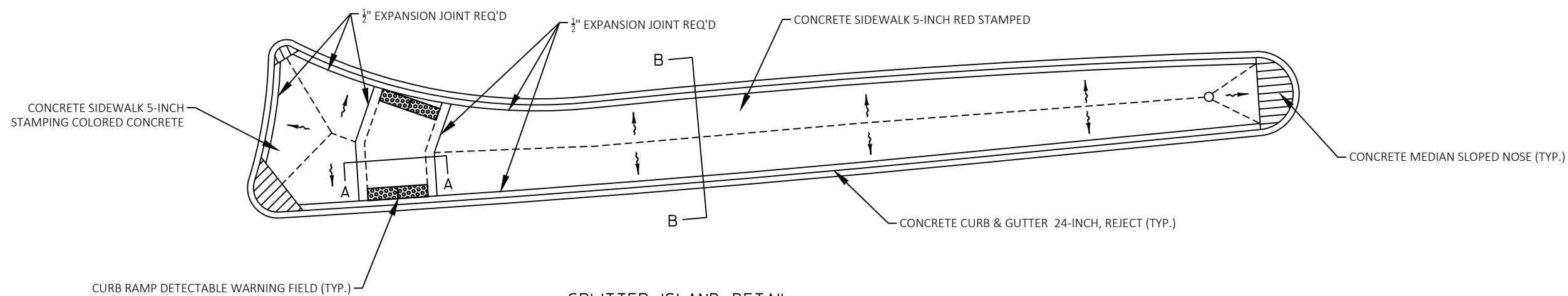
CONSTRUCTION DETAILS

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

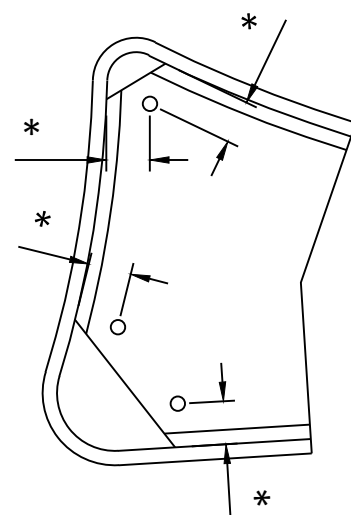
Revisions:

SHEET NO.

15 of 143

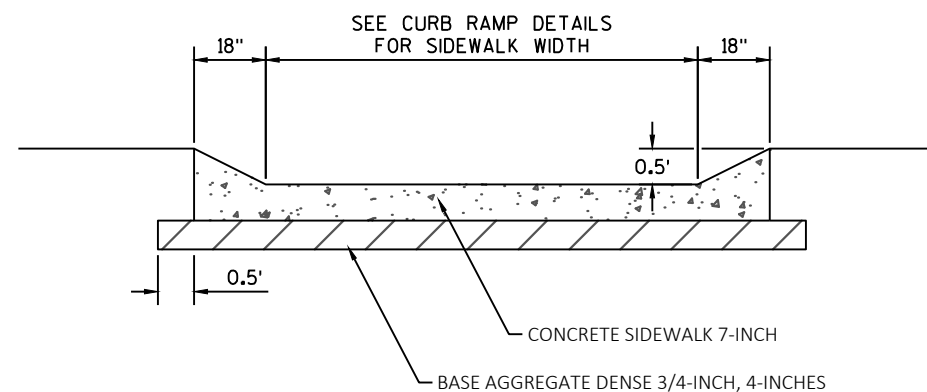


SPPLITTER ISLAND DETAIL

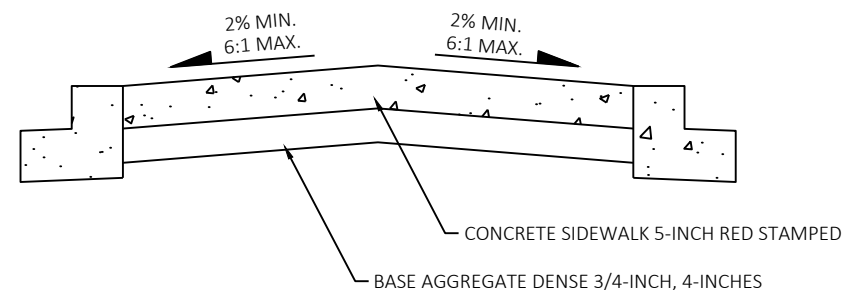


* DISTANCE TO BE DETERMINED IN THE FIELD.
 MINIMUM 2' CLEARANCE BETWEEN EDGE OF SIGN
 AND FACE OF CURB.

ISLAND SIGN LOCATIONS

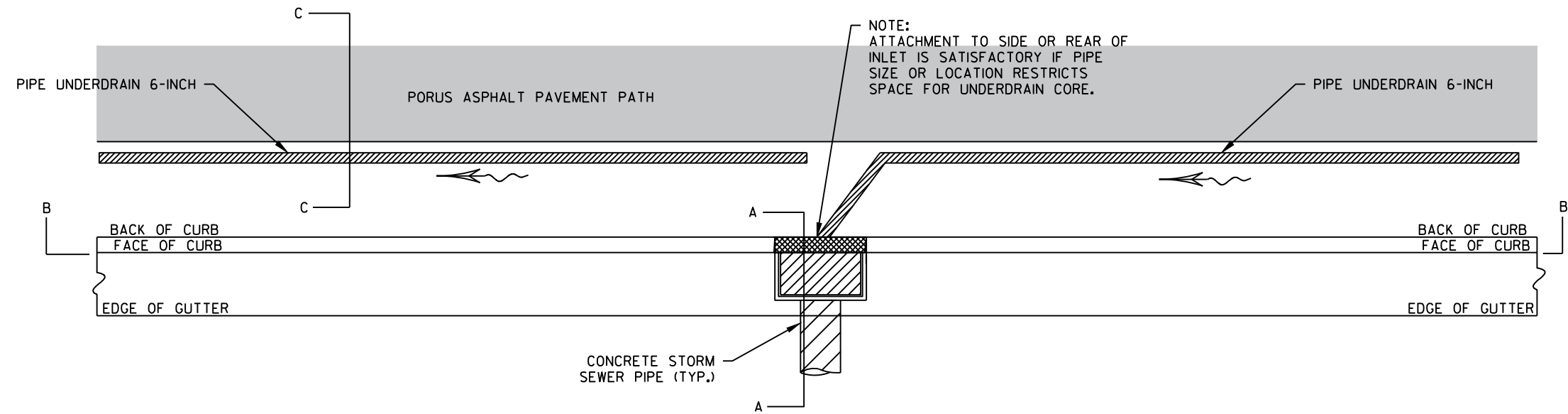


SECTION A-A
ISLAND CURB RAMP

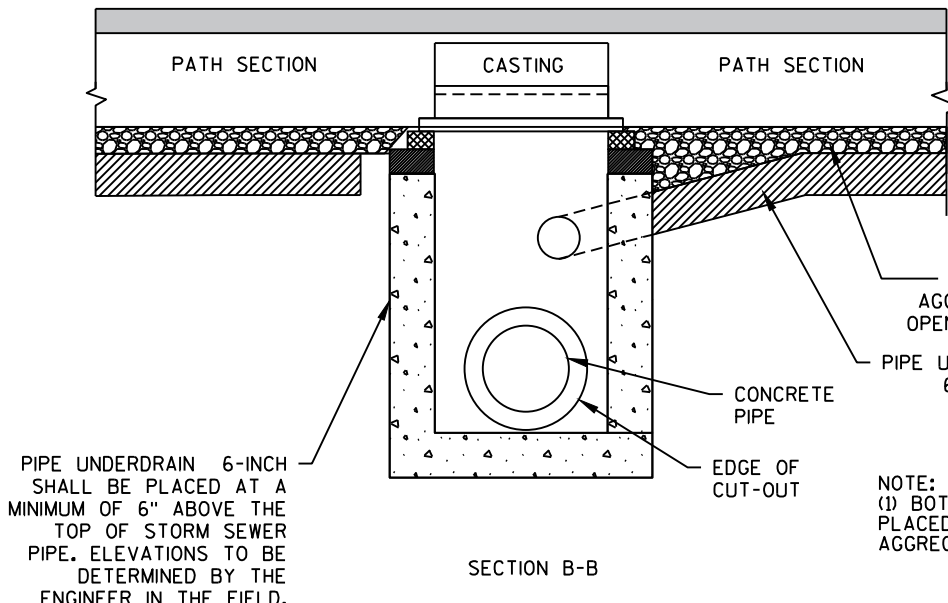


SECTION B-B
SPPLITTER ISLAND

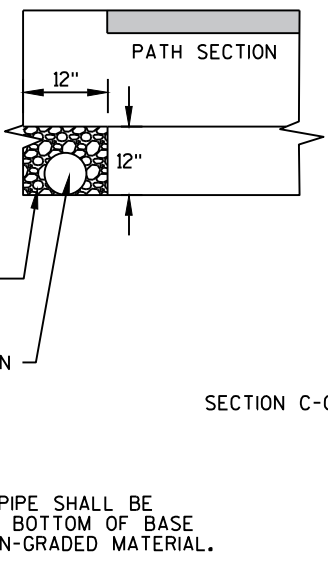
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 PLOT BY: KLENGINEERING
 PLOT DATE: 1/12/2023 3:08 PM



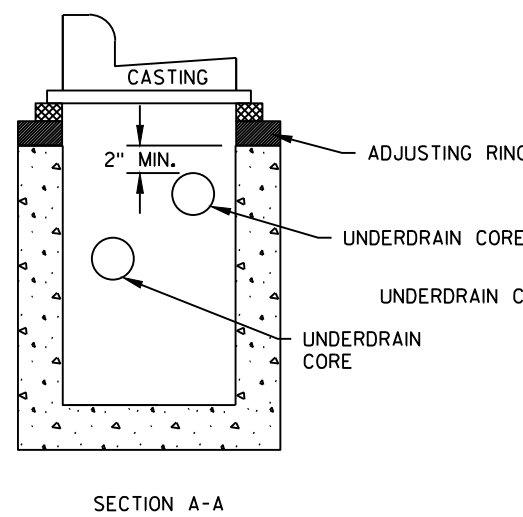
TOP VIEW
INLET CONFIGURATION WITH UNDERDRAIN



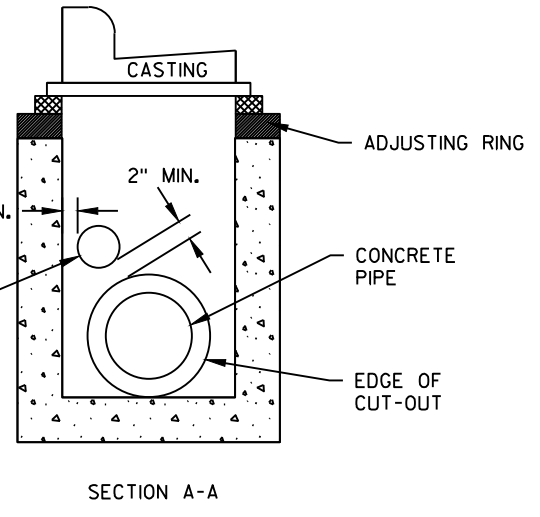
TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL



NOTE:
(1) BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF BASE AGGREGATE OPEN-GRADED MATERIAL.



NOTE:
(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE TOP OF THE CROSS PIPE.
(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)
(3) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES



NOTE:
(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 SHALL PROVIDE FOR A MINIMUM OF 1" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

PIPE UNDERDRAIN
(SEE PLANS FOR LOCATIONS)

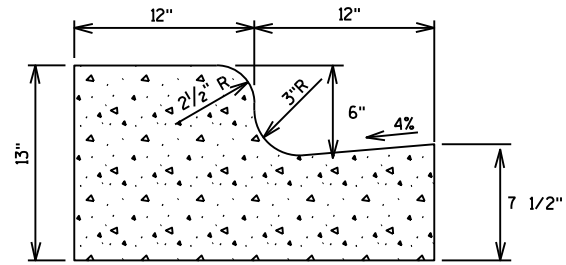
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CITY OF FITCHBURG
CONSTRUCTION DETAILS

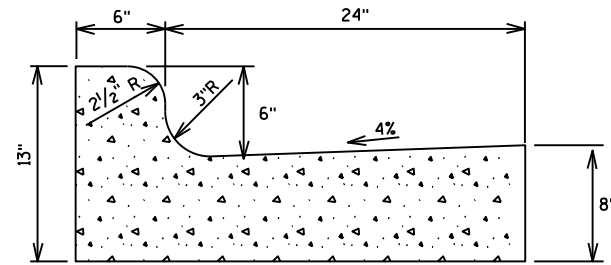
Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

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CONCRETE CURB & GUTTER 24-INCH



CONCRETE CURB & GUTTER 30-INCH



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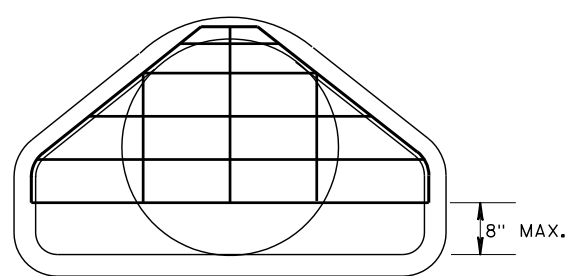
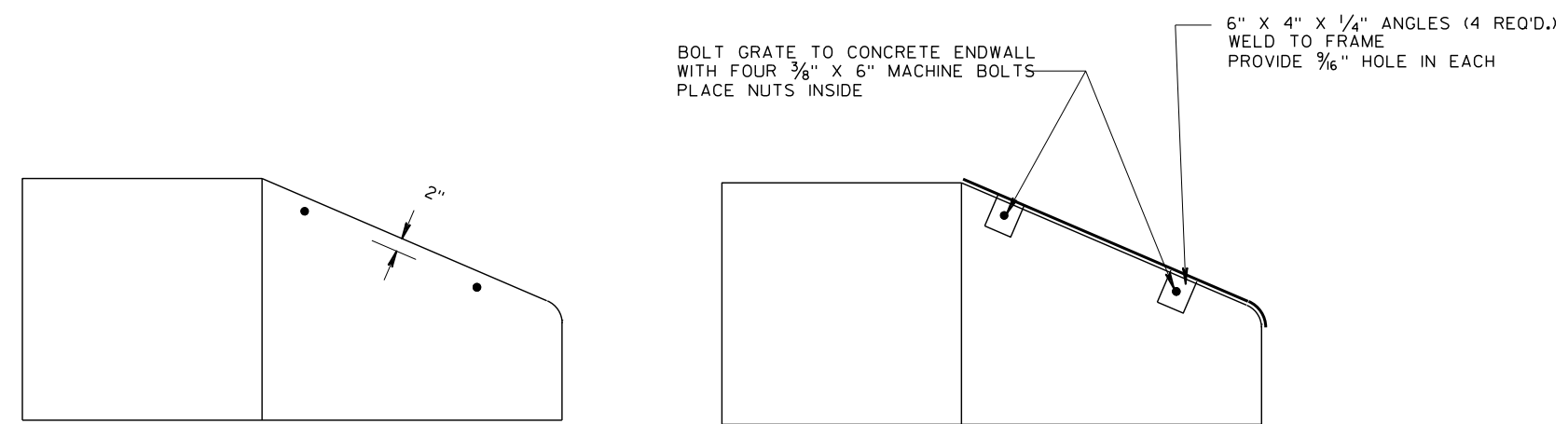
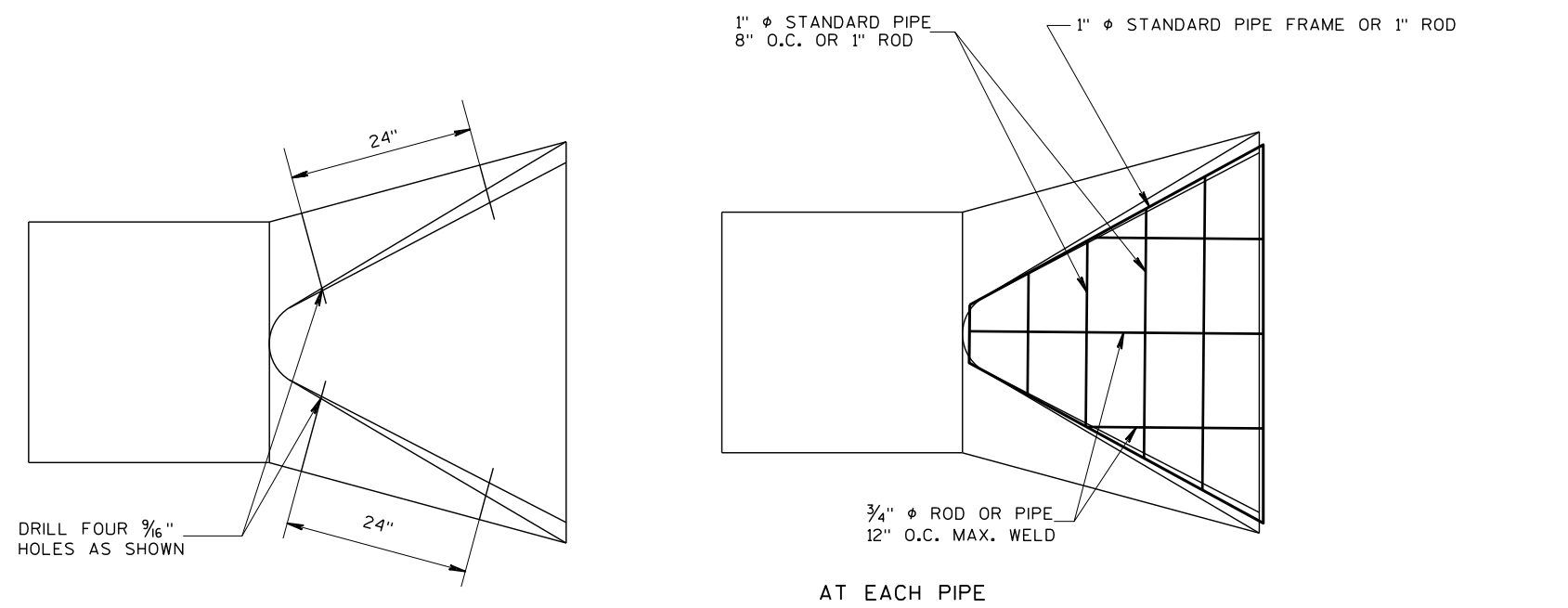
CITY OF FITCHBURG

CONSTRUCTION DETAILS

Project No:	22-3495
Date:	08-2022
Designed By:	BJJ
Drafted By:	BJJ
Checked By:	DR

Revisions:

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PIPE GRATE DETAIL

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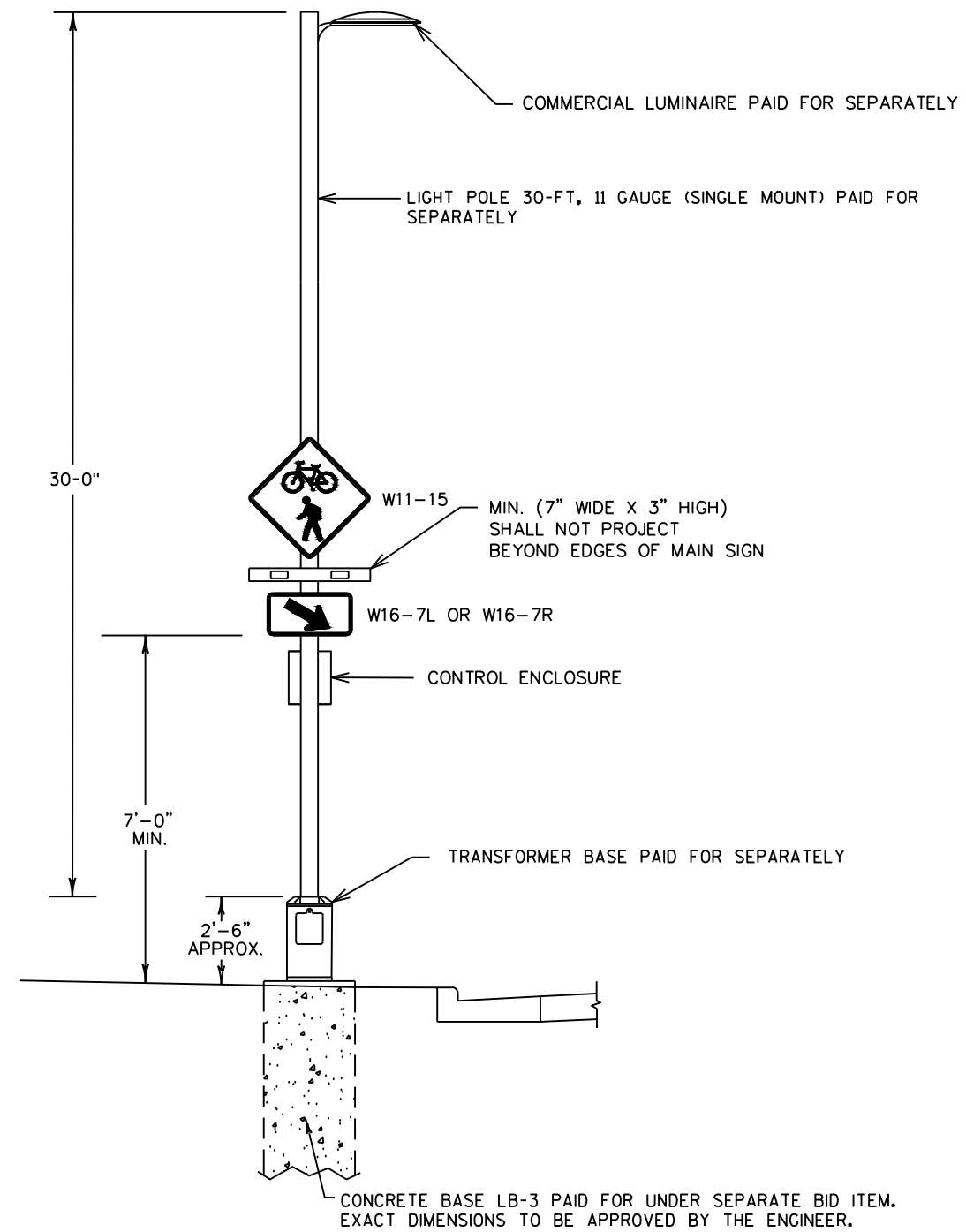
CITY OF FITCHBURG

CONSTRUCTION DETAILS

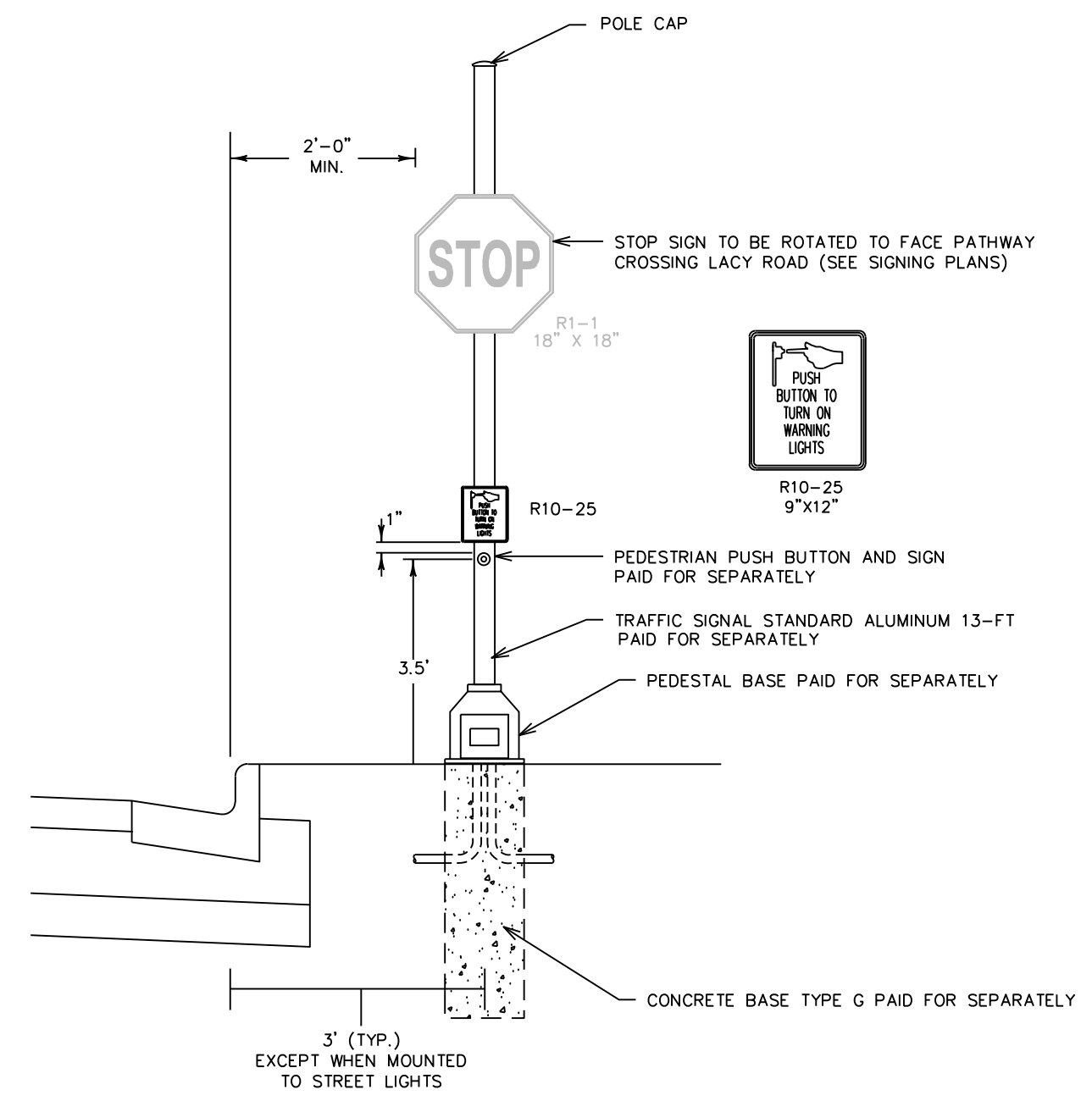
Project No:	22-3495
Date:	08-2022
Designed By:	BJS
Drafted By:	BJS
Checked By:	DR

Revisions:

FILE NAME : G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETPLAN\021002_CD.DWG
 PLOT BY : ANDREW LOBBELL
 PLOT DATE : 9/2/2022 11:48 AM



RECTANGULAR RAPID FLASHING BEACON
 30' COMMERCIAL STREET LIGHT MOUNT DETAIL
 -- NOT TO SCALE --



RECTANGULAR RAPID FLASHING BEACON
 PUSH BUTTON DETAIL
 -- NOT TO SCALE --

NOTES:

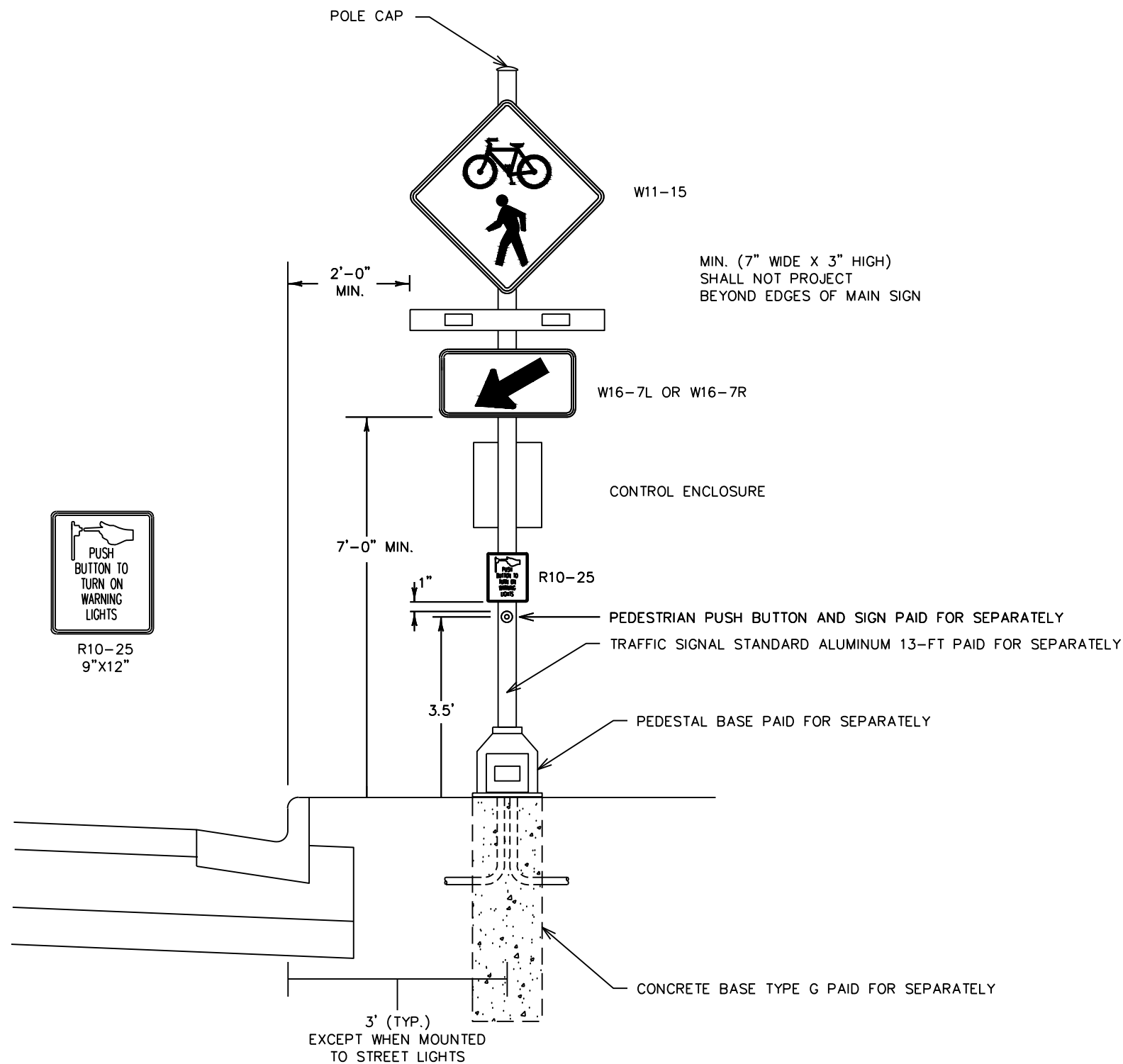
- 1) SEE RECTANGULAR RAPID BEACON PLAN SHEETS FOR BEACON AND PUSH BUTTON LOCATIONS.
- 2) EACH RRFB POLE SHALL HAVE ONE (1) W16-7L SIGN OR ONE (1) W16-7R SIGN. THE ARROW SHALL BE DIRECTED TOWARDS THE CURB. REFER TO SIGNING PLANS FOR LOCATIONS.
- 3) EACH RRFB POLE SHALL HAVE ONE (1) W11-2 SIGN. REFER TO SIGNING PLANS FOR LOCATIONS.
- 4) LOCATE R10-25 SIGN ABOVE PUSH BUTTON ACTIVATION BUTTON 4' MOUNTING HEIGHT TO PUSH BUTTON.
- 5) LIGHT BAR, CONTROLS, WIRELESS RADIO, HARDWARE AND INCIDENTALS ARE CONSIDERED PART OF THE "SYSTEM" BID ITEM. ALL OTHER ITEMS SHALL BE CONSIDERED SEPARATELY.
- 6) FIELD LOCATE ALL BASES TO PROVIDE 1.5' MAXIMUM REACH FROM ACCESSIBLE SLOPED AREA.
- 7) PEDESTRIAN PUSH BUTTON LOCATED SEPARATELY AS SHOWN ON THE PLANS. INTEGRATION OF THE PUSH BUTTON WITH THE RRFB SYSTEM SHALL BE INCLUDED WITH THE RRFB BID ITEM.


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CITY OF FITCHBURG
 RECTANGULAR RAPID FLASHING BEACON
 PUSH BUTTON & STREET LIGHT MOUNT

Project No:	22-3495
Date:	08-2022
Designed By:	JAJ
Drafted By:	ACL
Checked By:	JAJ

Revisions:



RECTANGULAR RAPID FLASHING BEACON
 MEDIAN CROSSING DETAIL
 -- NOT TO SCALE --

NOTES:

- 1) SEE RECTANGULAR RAPID BEACON PLAN SHEETS FOR BEACON AND PUSH BUTTON LOCATIONS.
- 2) EACH RRFB POLE SHALL HAVE ONE (1) W16-7L SIGN OR ONE (1) W16-7R SIGN. THE ARROW SHALL BE DIRECTED TOWARDS THE CURB. REFER TO SIGNING PLANS FOR LOCATIONS
- 3) EACH RRFB POLE SHALL HAVE ONE (1) W11-2 SIGN. REFER TO SIGNING PLANS FOR LOCATIONS
- 4) LOCATE R10-25 SIGN ABOVE PUSH BUTTON ACTIVATION BUTTON 4' MOUNTING HEIGHT TO PUSH BUTTON.
- 5) LIGHT BAR, CONTROLS, WIRELESS RADIO, HARDWARE AND INCIDENTALS ARE CONSIDERED PART OF THE "SYSTEM" BID ITEM. ALL OTHER ITEMS SHALL BE CONSIDERED SEPARATELY.
- 6) FIELD LOCATE ALL BASES TO PROVIDE 1.5' MAXIMUM REACH FROM ACCESSIBLE SLOPED AREA.



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**RECTANGULAR RAPID FLASHING BEACON
 MEDIAN CROSSING**

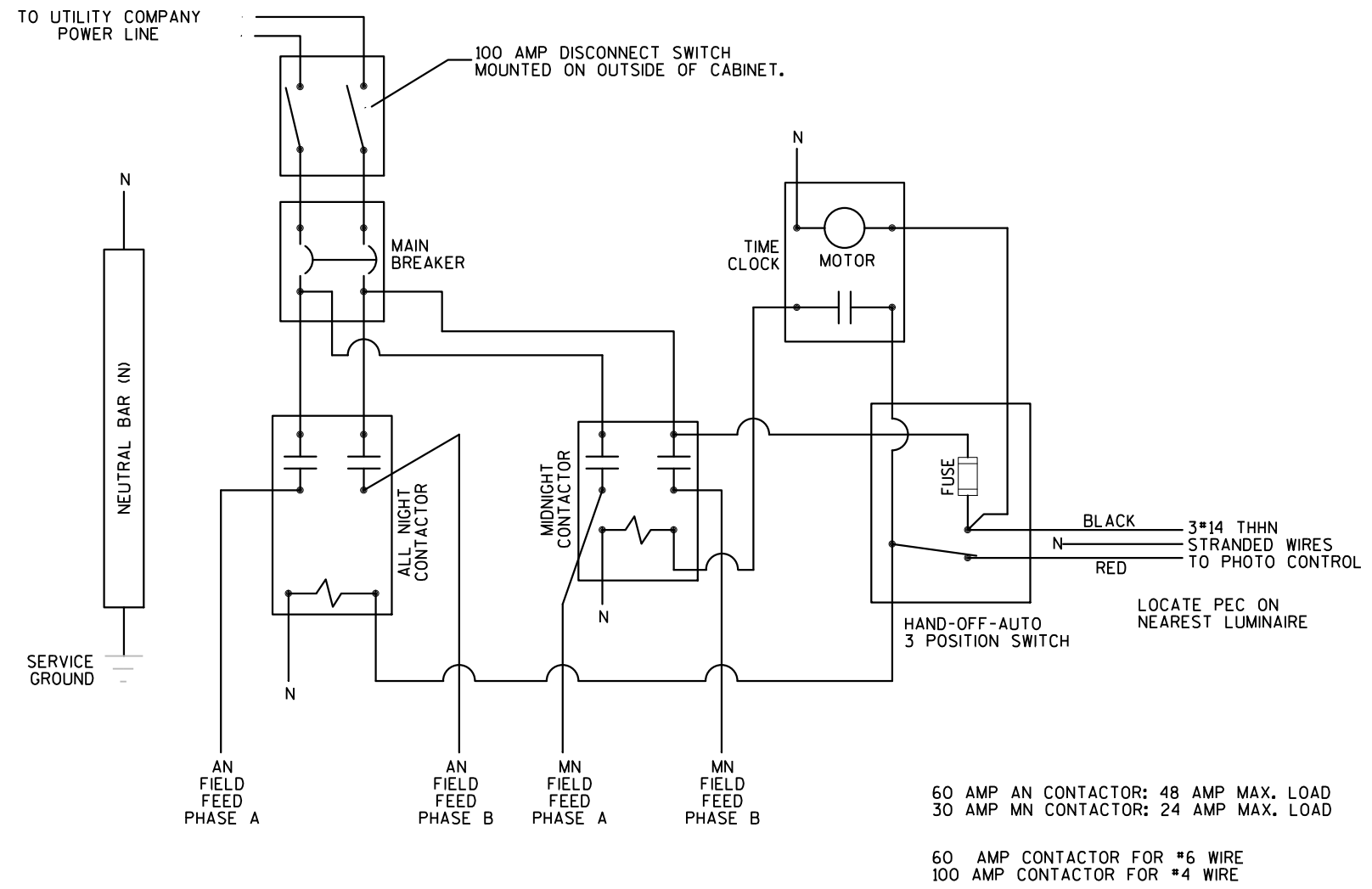
Project No:	22-3495
Date:	08-2022
Designed By:	JAJ
Drafted By:	ACL
Checked By:	JAJ

Revisions:

SHEET NO.
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NOTE: CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL

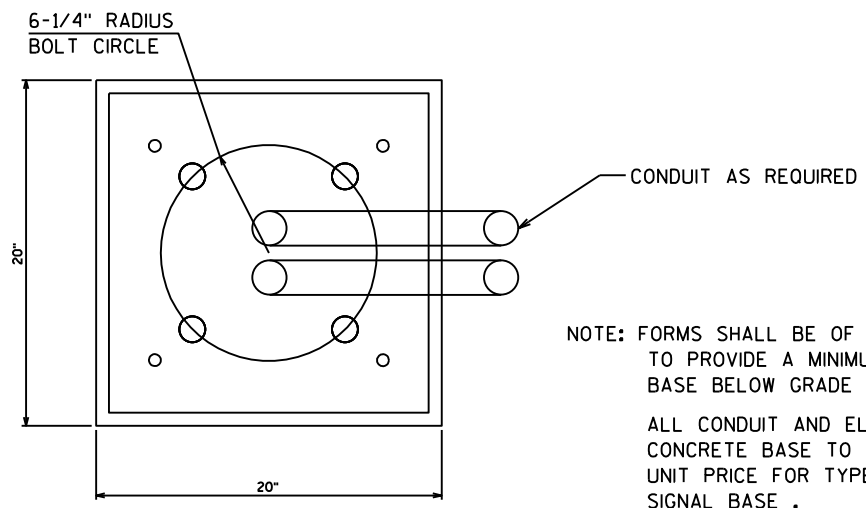
CITY OF FITCHBURG

CONSTRUCTION DETAILS

Project No: 22-3495
 Date: 08-2022
 Designed By: JAJ
 Drafted By: ACL
 Checked By: JAJ

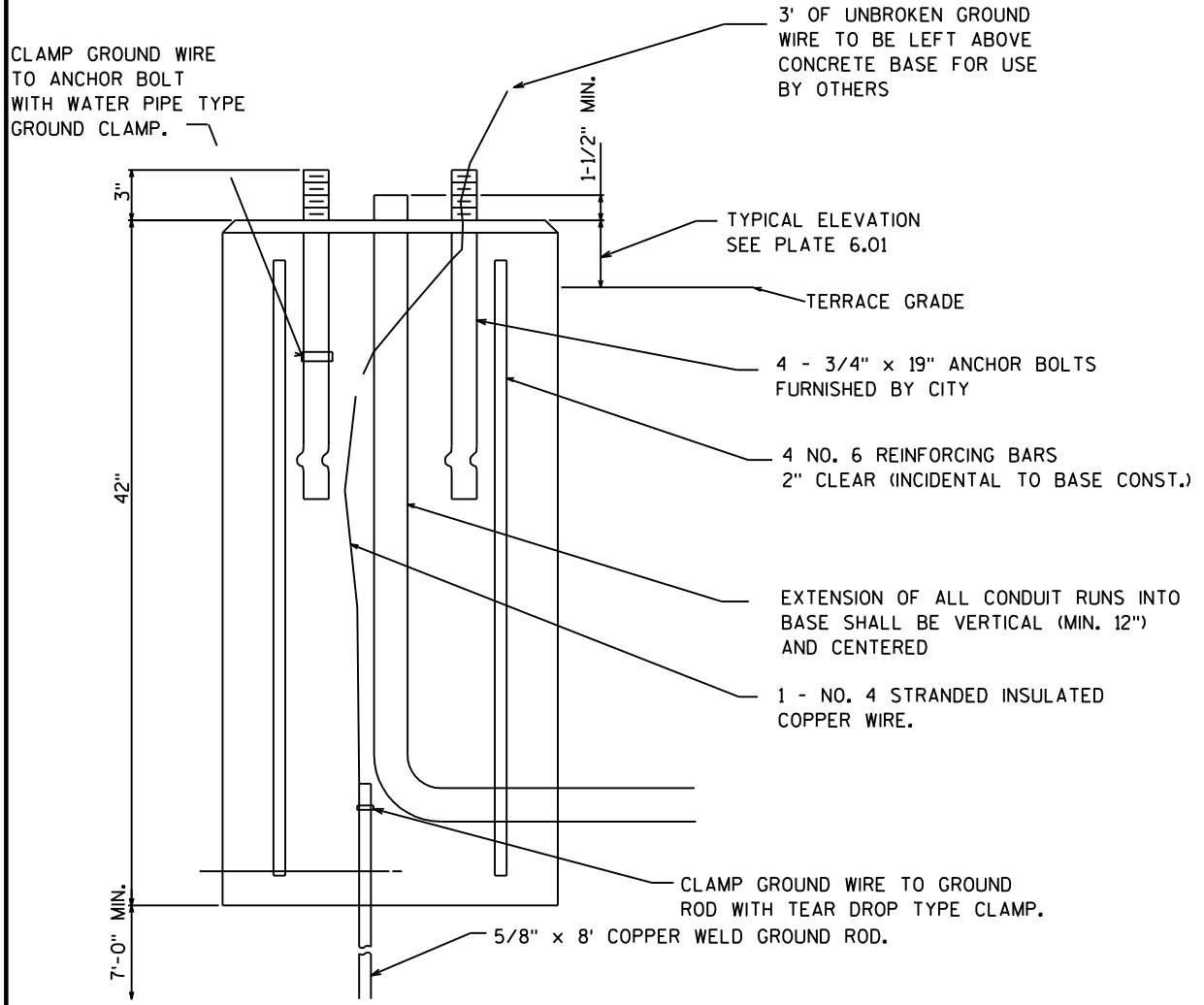
Revisions:

SHEET NO.



NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE .



CONCRETE BASES TYPE G DETAIL

CITY OF FITCHBURG

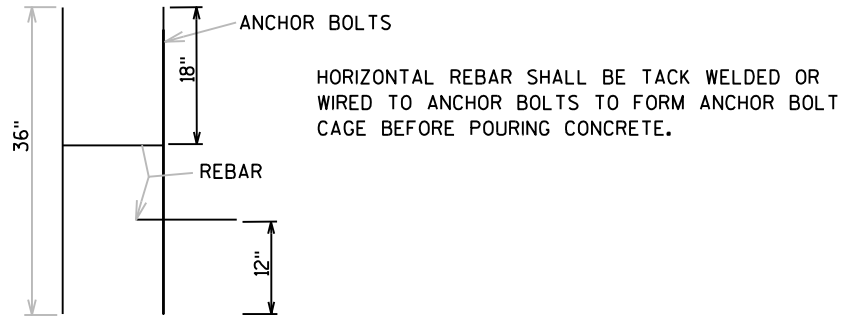
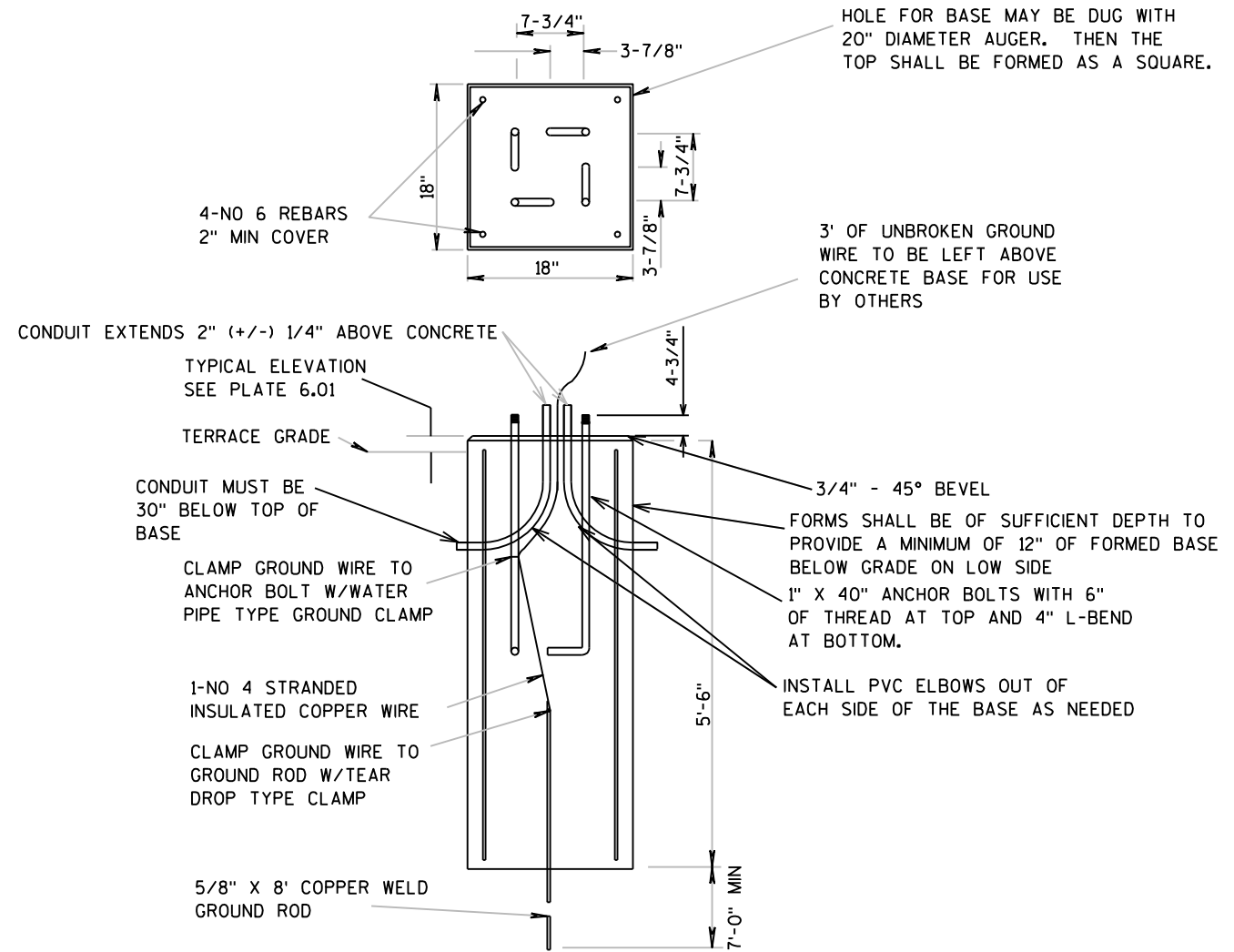
RECTANGULAR RAPID FLASHING BEACON - LPOL MOUNT

Project No: 22-3495
 Date: 08-2022
 Designed By: JAJ
 Drafted By: ACL
 Checked By: JAJ

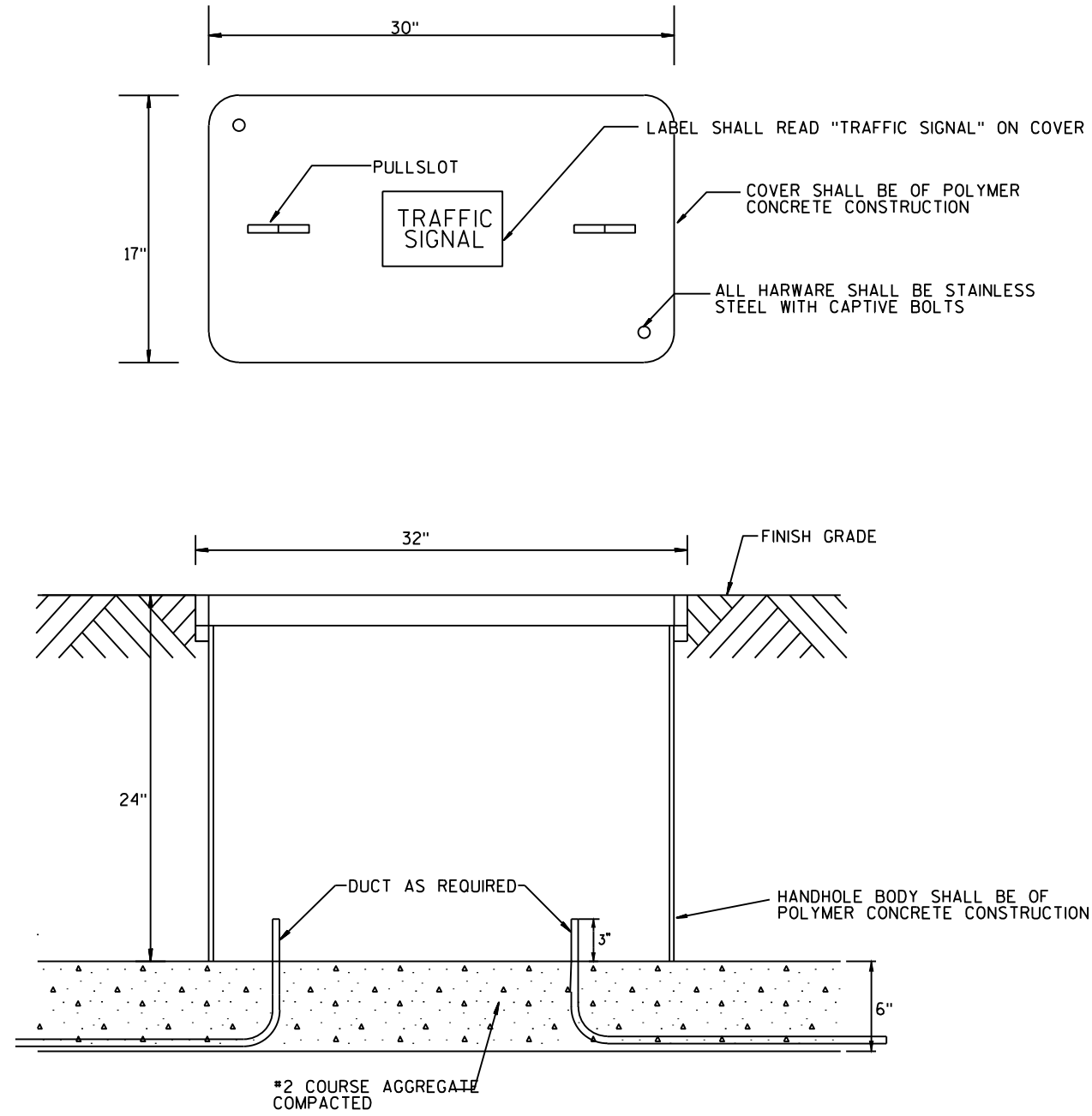
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22 of 143



CONCRETE BASES TYPE LB-3 DETAIL



TYPE I HANDHOLE 17"X30"X24" DETAIL



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RECTANGULAR RAPID FLASHING
BEACON - LPOL MOUNT

Project No: 22-3495
Date: 08-2022
Designed By: JAJ
Drafted By: ACL
Checked By: JAJ

Revisions:

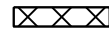
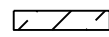

SHEET NO.

PLOT DATE: 1/31/2023 4:16 PM

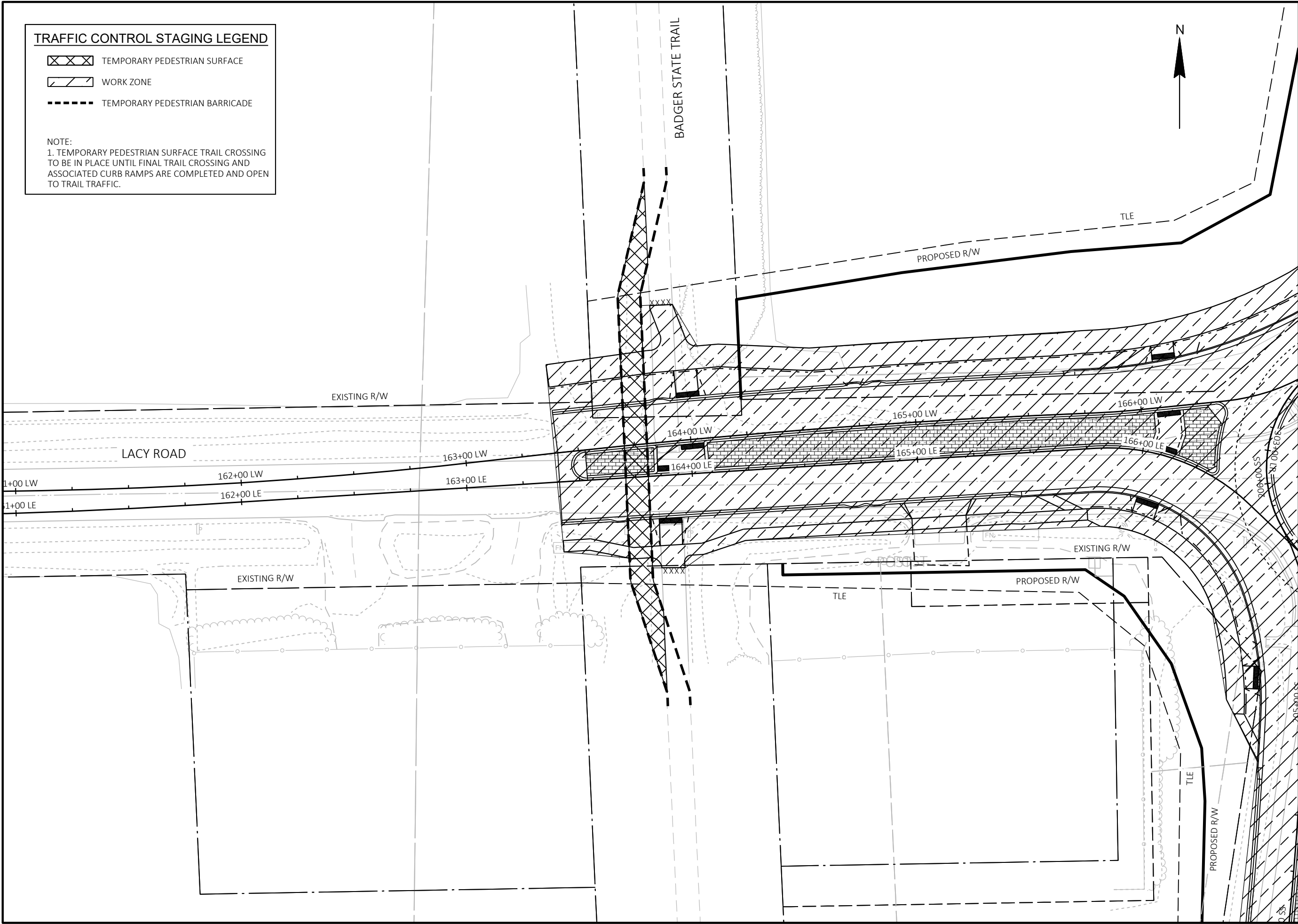
PLOT BY: DAN RYAN

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\025.101_TC-DETAILS-STAGING.DWG

TRAFFIC CONTROL STAGING LEGEND

-  TEMPORARY PEDESTRIAN SURFACE
-  WORK ZONE
-  TEMPORARY PEDESTRIAN BARRICADE

NOTE:
 1. TEMPORARY PEDESTRIAN SURFACE TRAIL CROSSING TO BE IN PLACE UNTIL FINAL TRAIL CROSSING AND ASSOCIATED CURB RAMPS ARE COMPLETED AND OPEN TO TRAIL TRAFFIC.



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TRAFFIC CONTROL STAGING

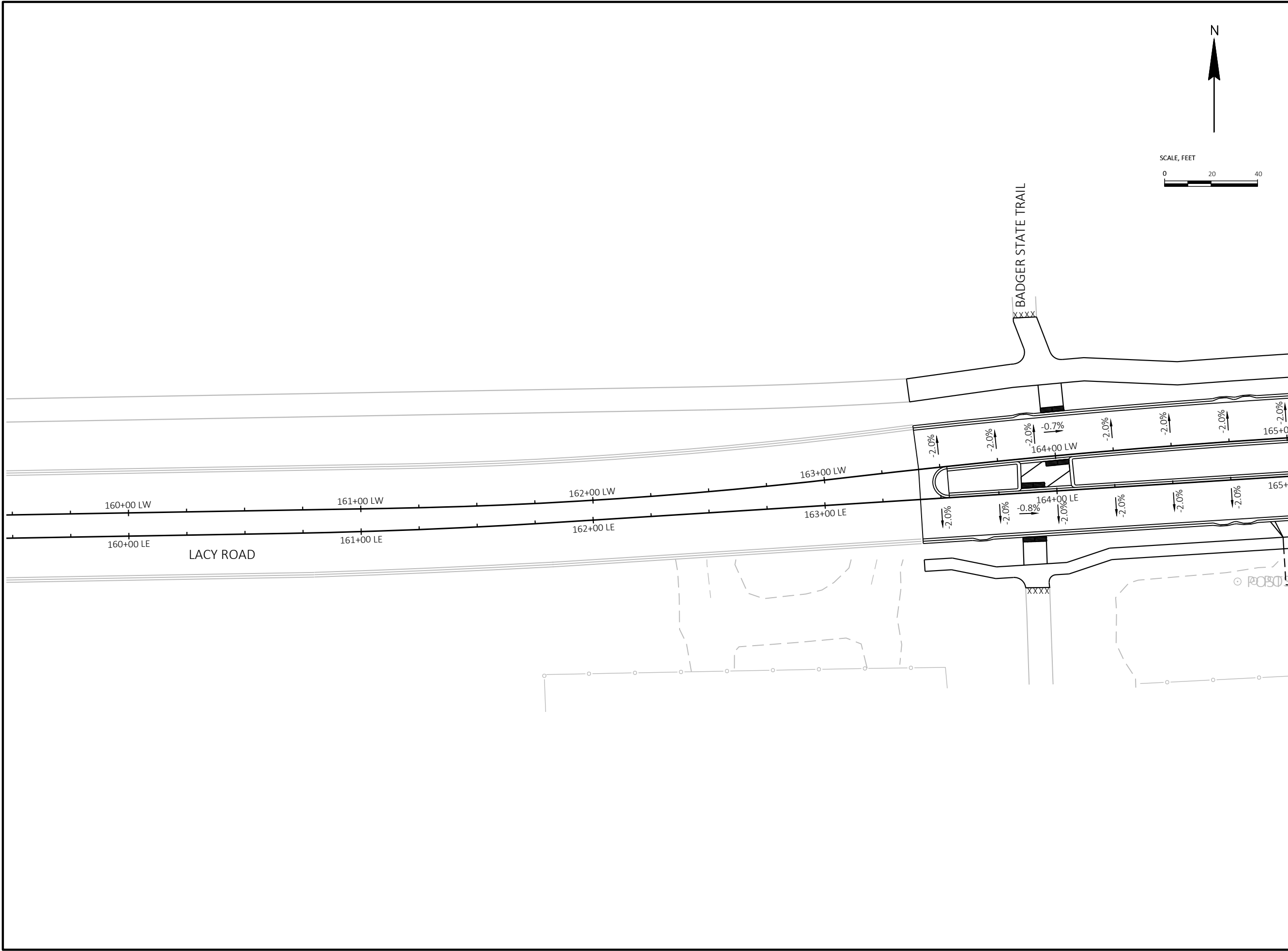
BADGER STATE TRAIL TEMPORARY BYPASS

Project No: 22-3495
 Date: 01-2023
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

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24 of 143



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 PAVING GRADES

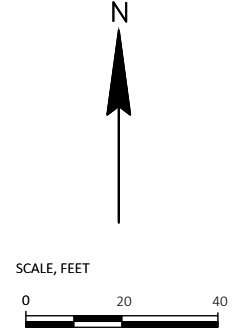
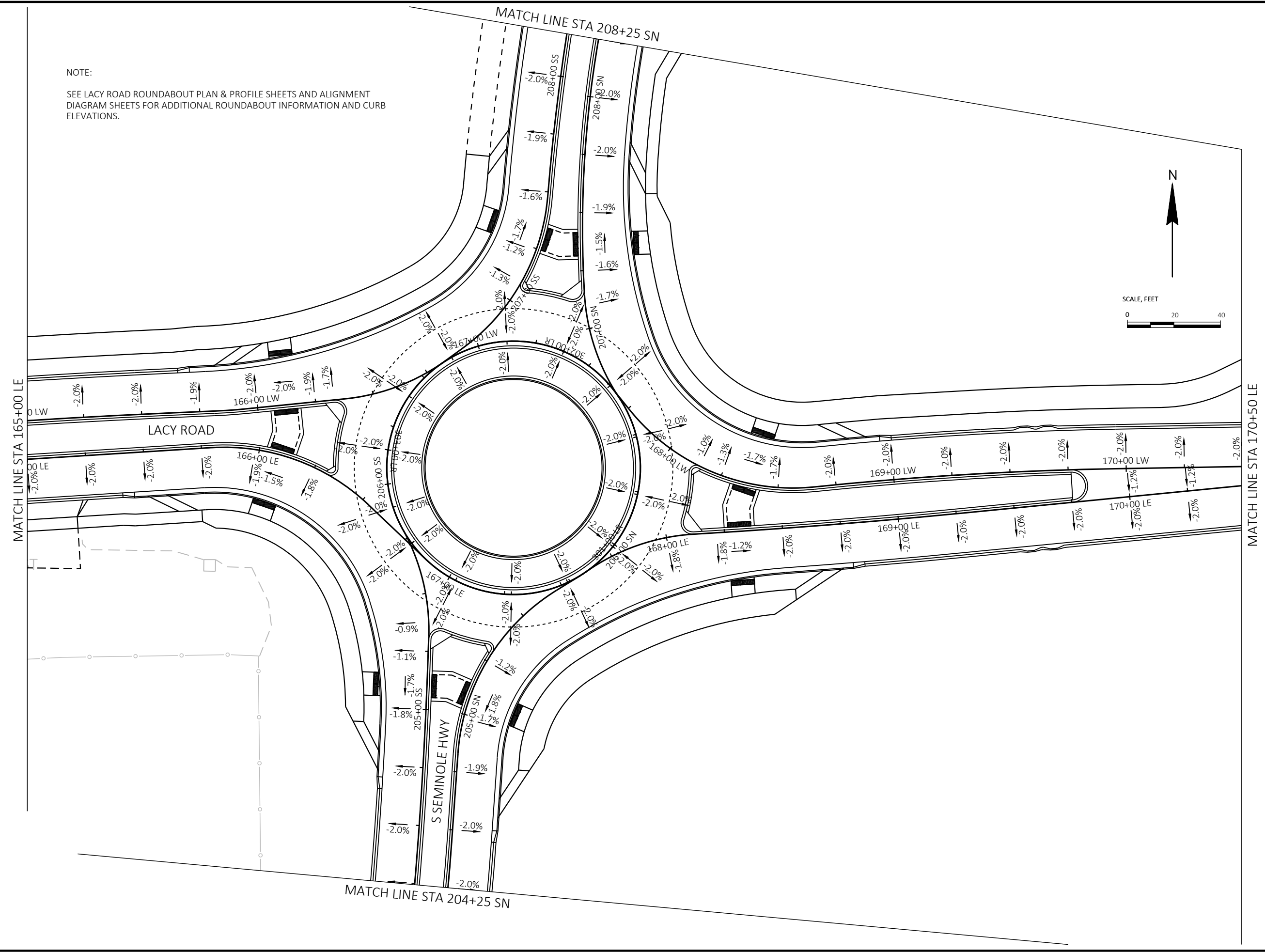
Project No: 22-3495
 Date: 08-2022
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 Drafted By: BJS
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Revisions:

SHEET NO.
 25 of 143

NOTE:

SEE LACY ROAD ROUNDABOUT PLAN & PROFILE SHEETS AND ALIGNMENT DIAGRAM SHEETS FOR ADDITIONAL ROUNDABOUT INFORMATION AND CURB ELEVATIONS.



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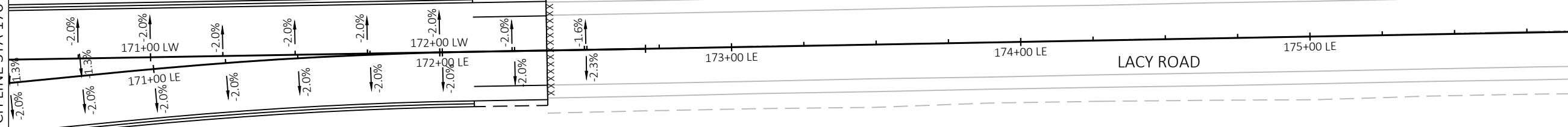
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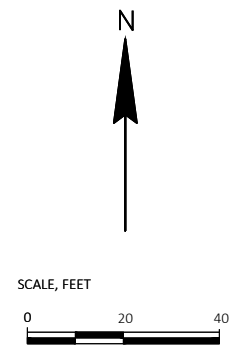
SHEET NO.

26 of 143

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LACY ROAD



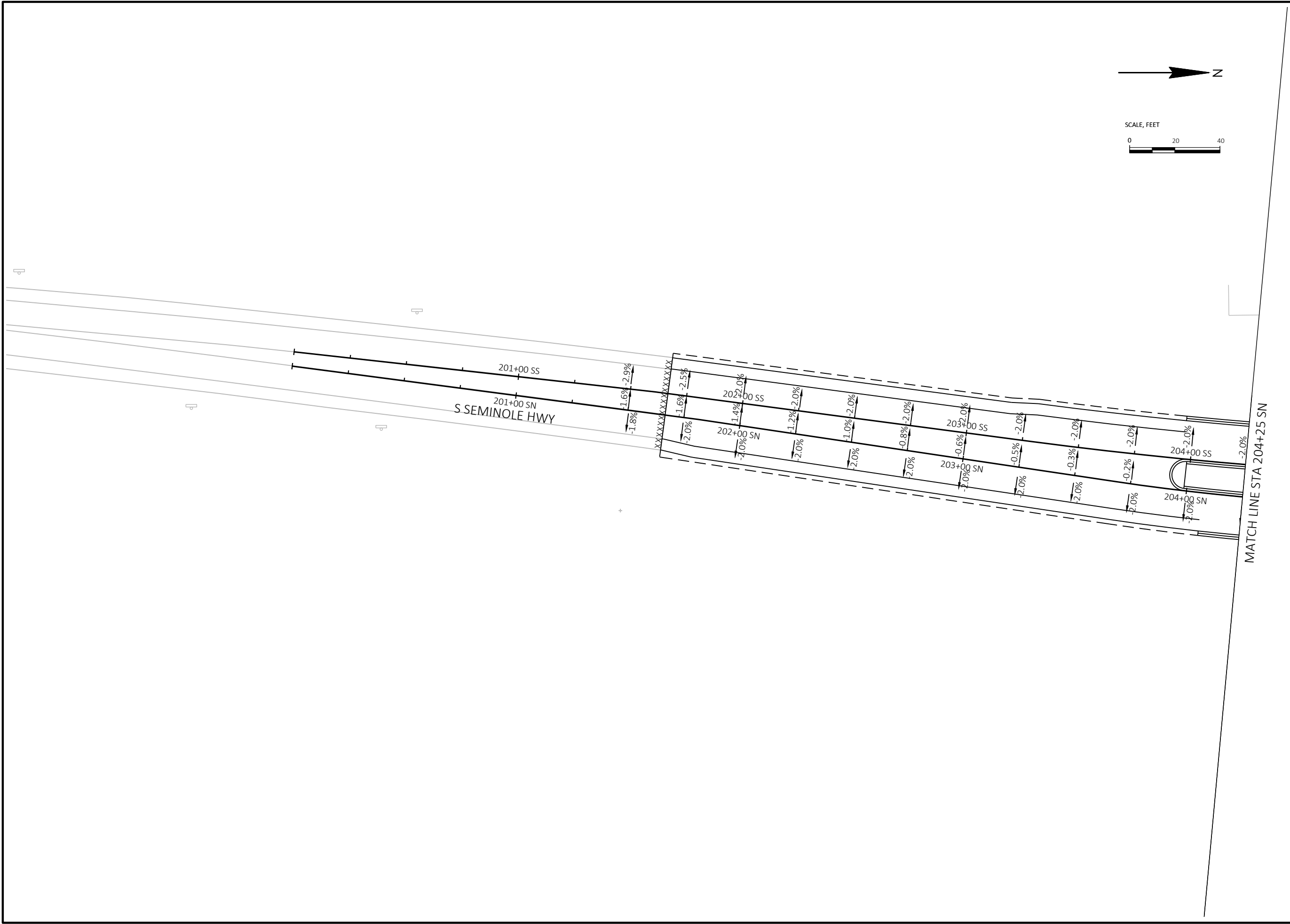
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SHEET NO.
 27 of 143



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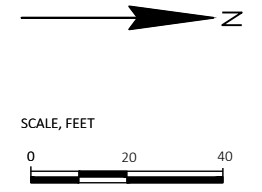
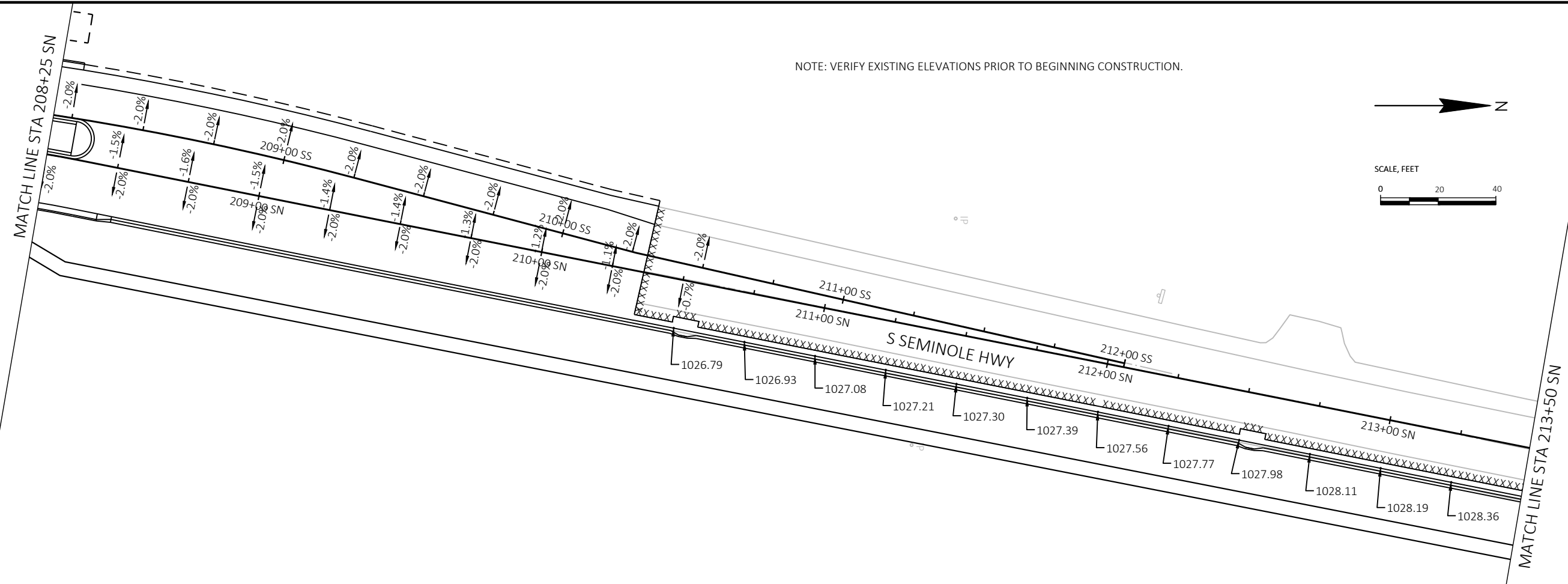
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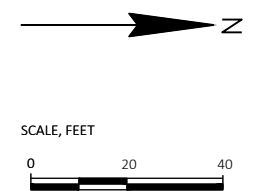
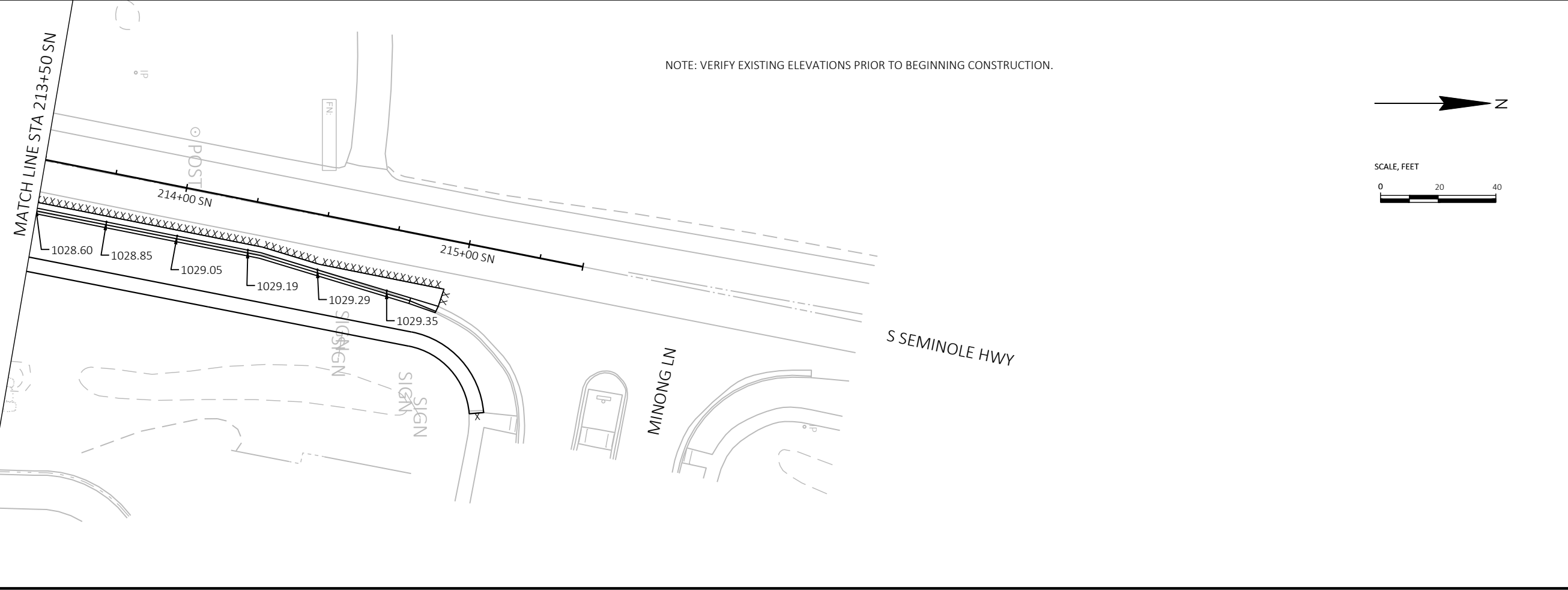
Revisions:

SHEET NO.
 28 of 143

NOTE: VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.



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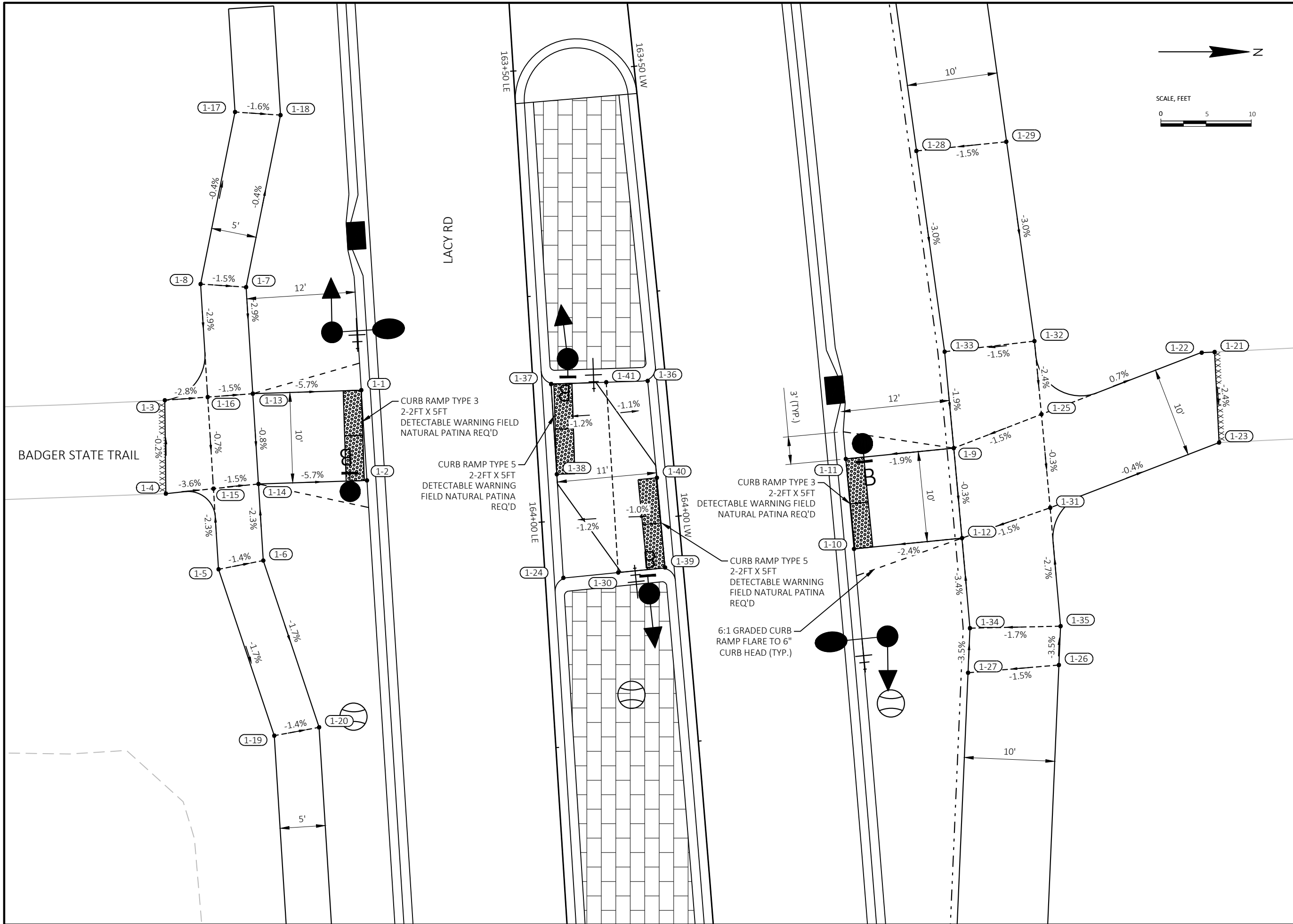
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SHEET NO.

29 of 143



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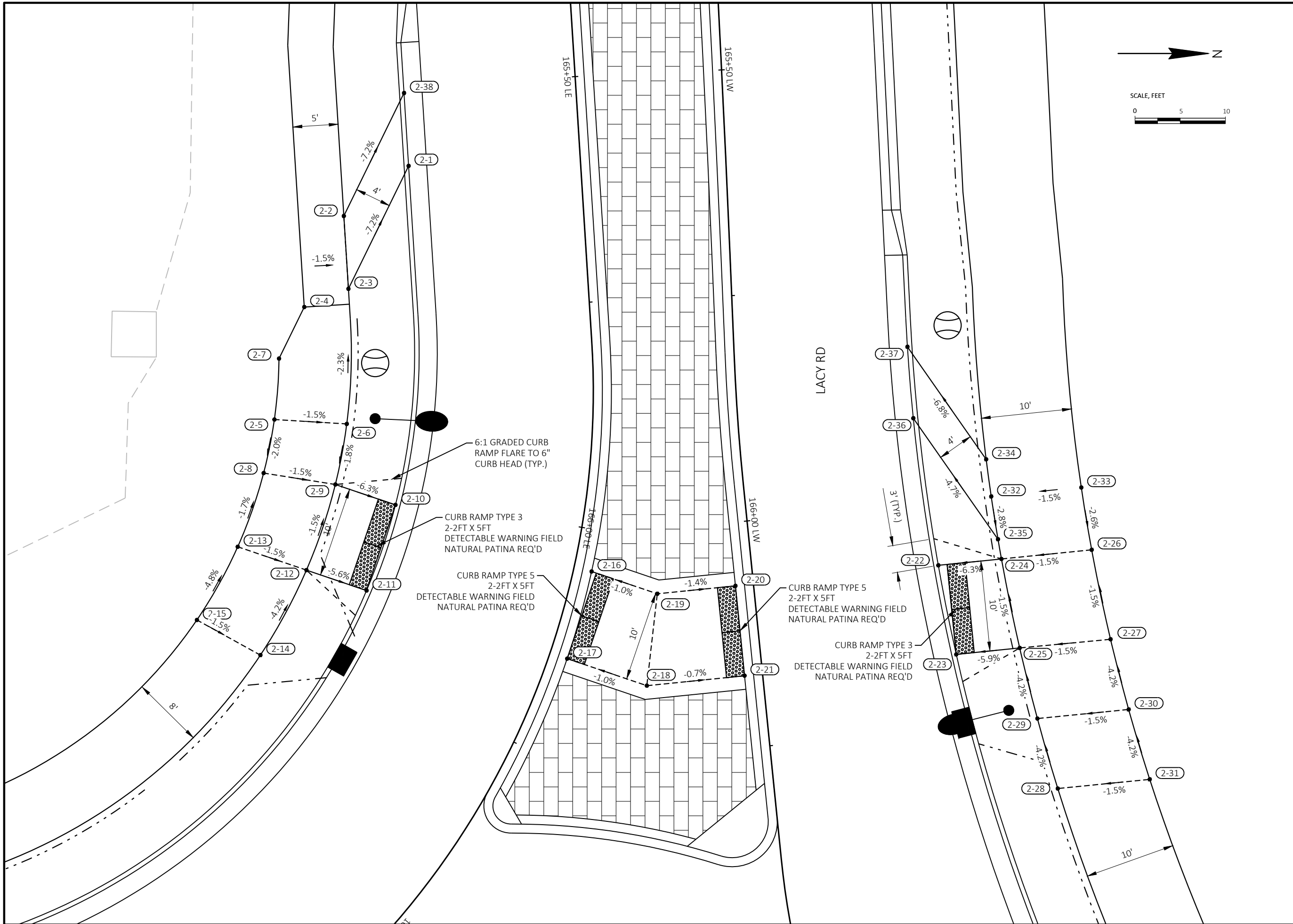
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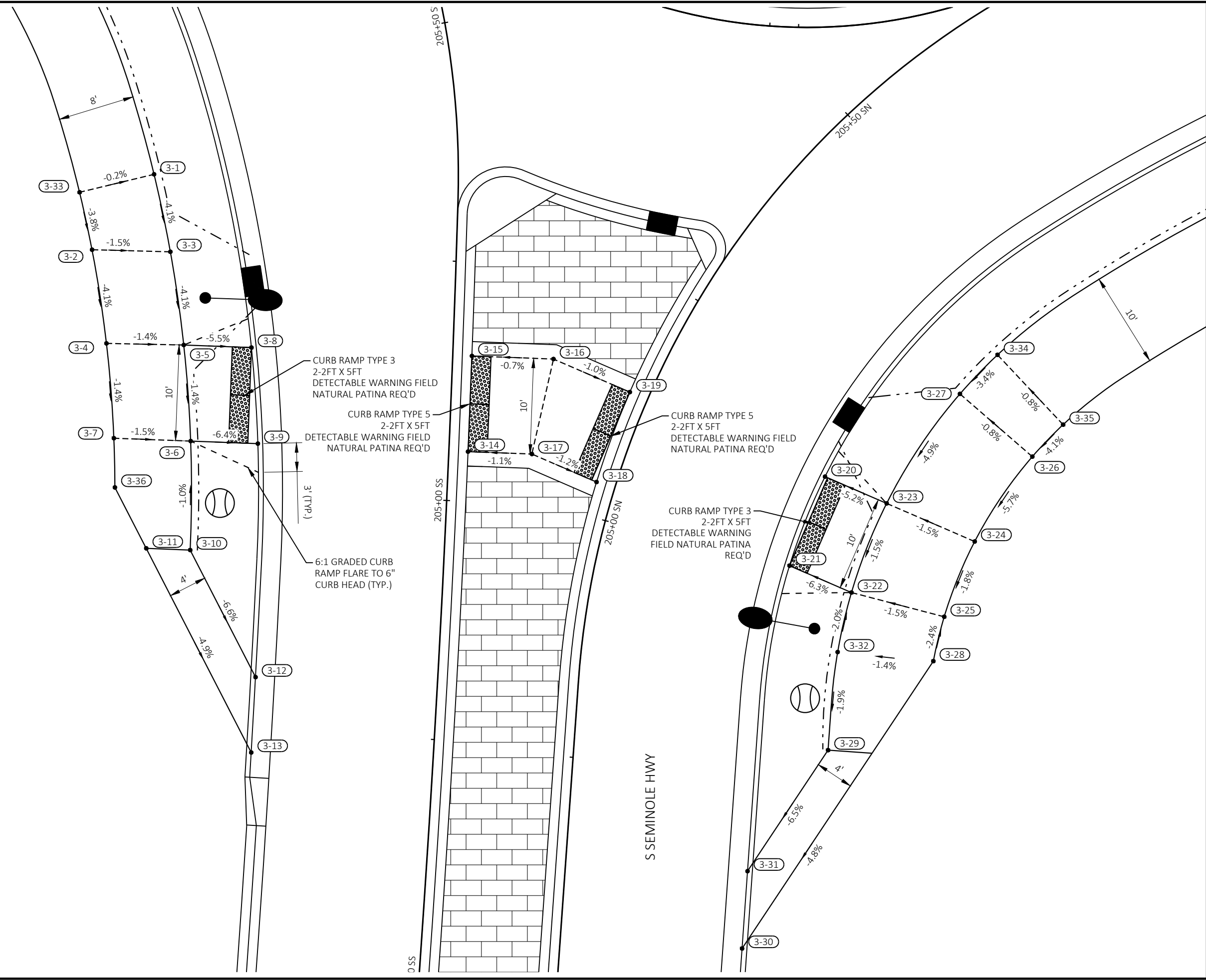
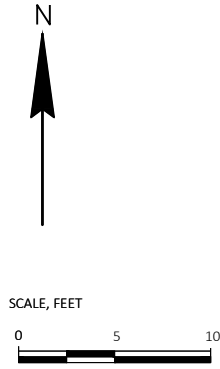
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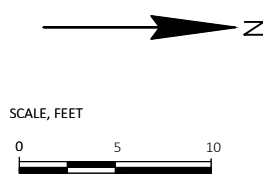
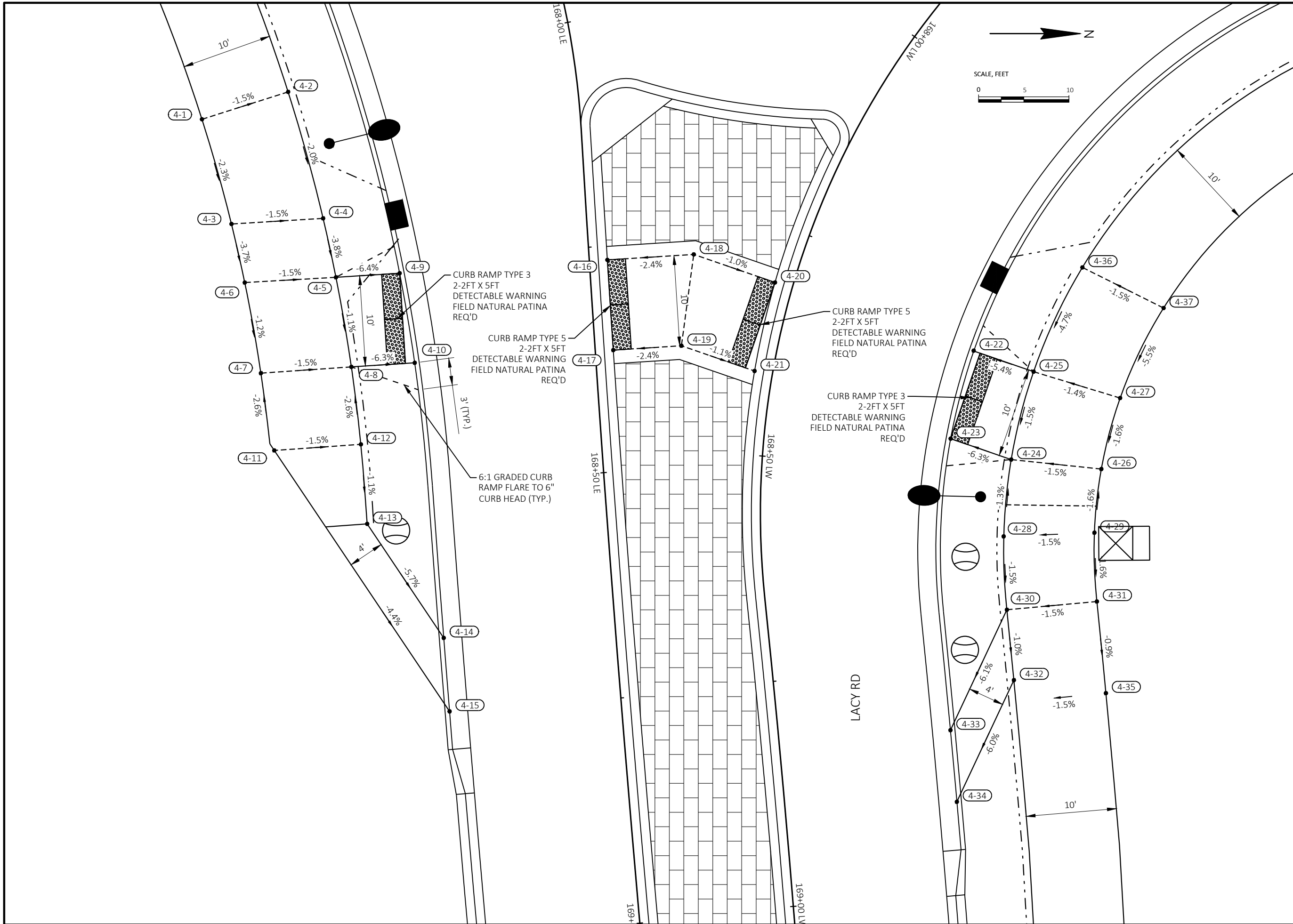
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 32 of 143



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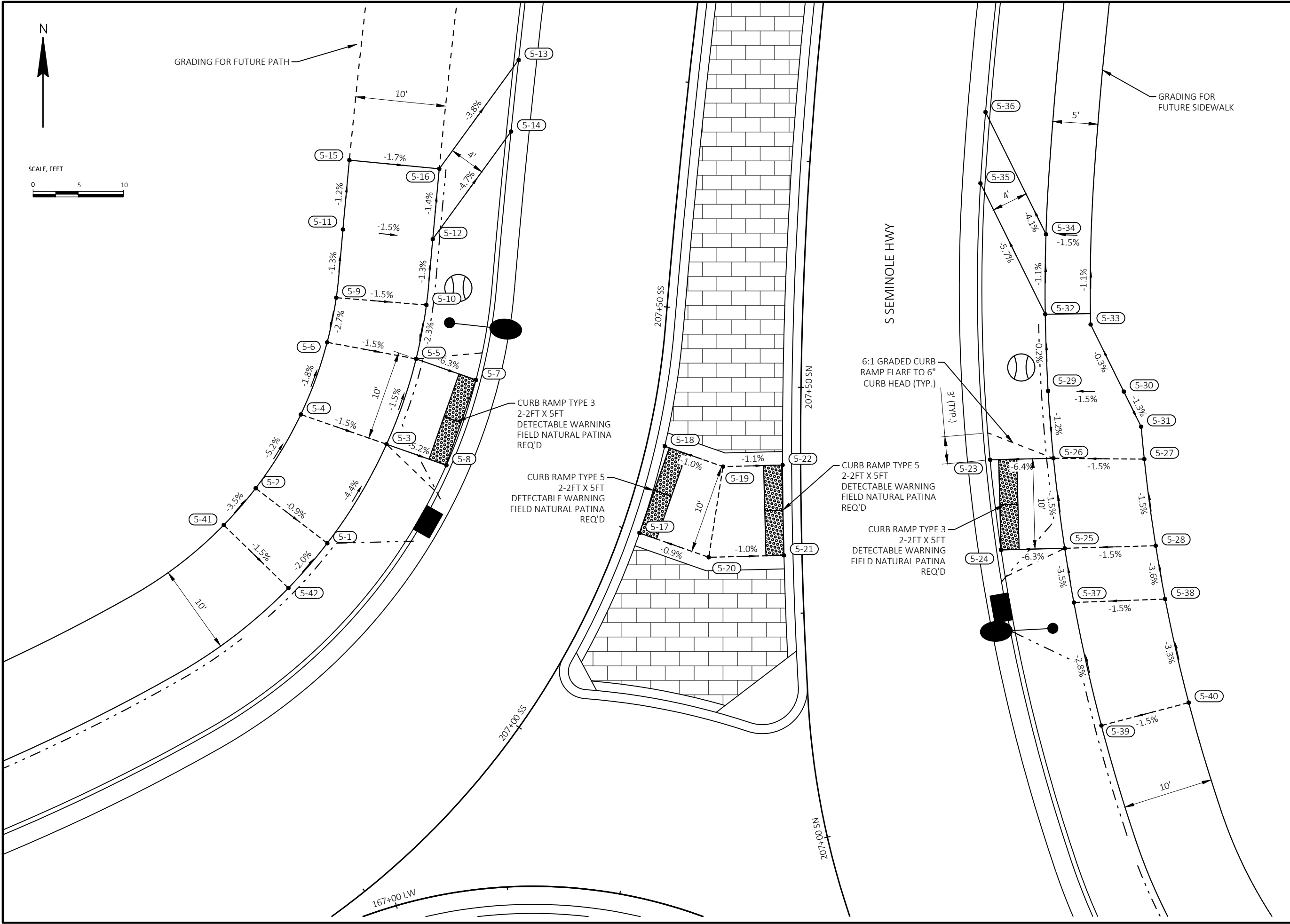
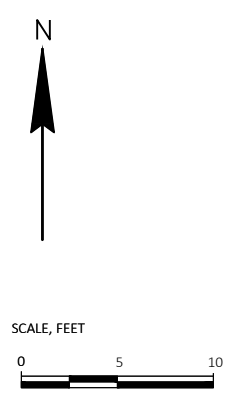
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SHEET NO.
 33 of 143



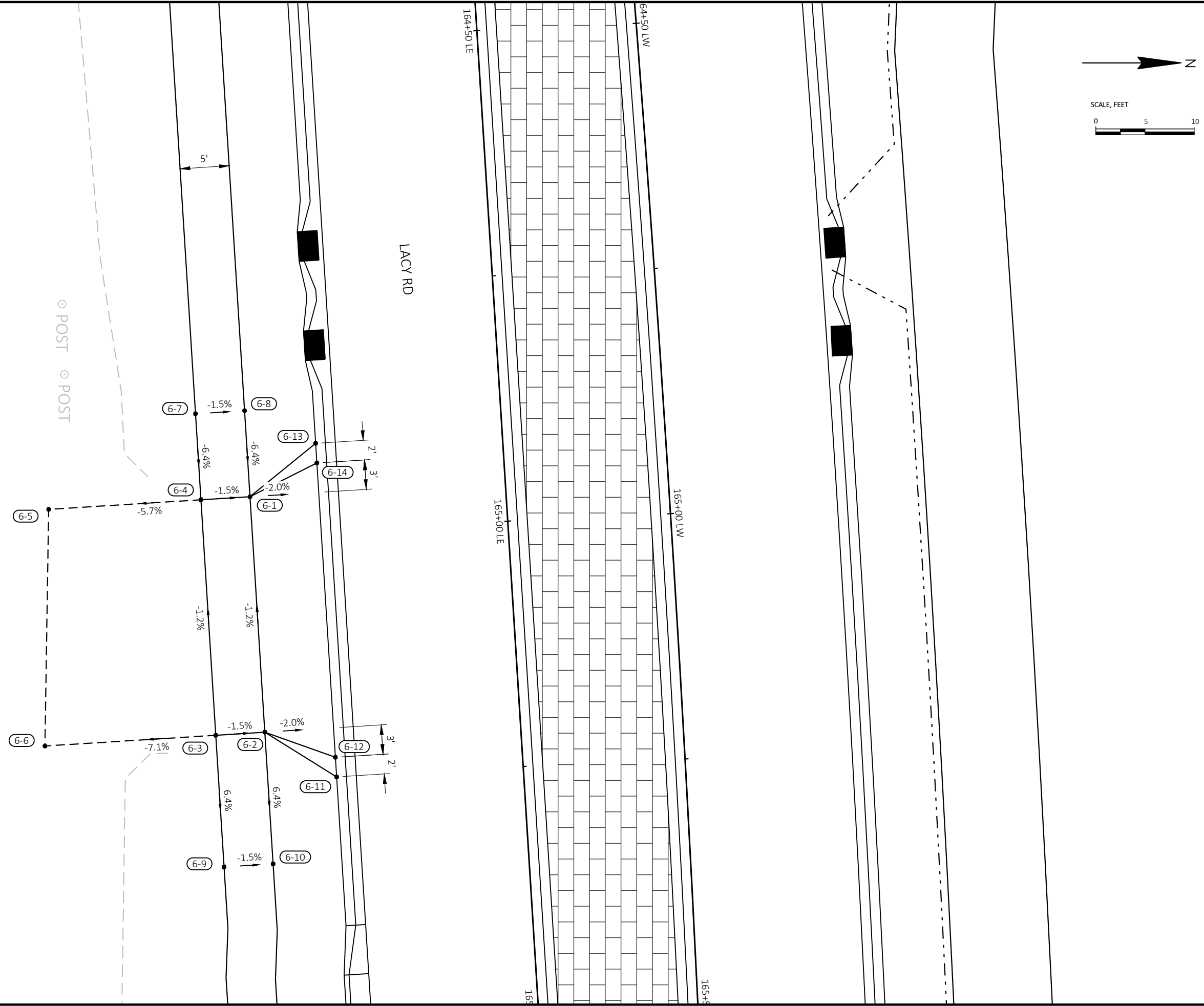
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Revisions:

SHEET NO.
 35 of 143

POINT REFERENCE TABLE: 1			
POINT NO.	STATION	OFFSET	ELEVATION
1-1	163+84.18 LE	19.00' RT	1024.05
1-2	163+94.19 LE	19.00' RT	1023.98
1-3	163+83.93 LE	40.76' RT	1024.94
1-4	163+94.25 LE	41.29' RT	1024.97
1-5	164+02.97 LE	36.00' RT	1024.93
1-6	164+02.32 LE	31.00' RT	1024.86
1-7	163+72.01 LE	31.00' RT	1025.08
1-8	163+71.35 LE	36.00' RT	1025.15
1-9	163+94.70 LE	46.00' LT	1024.25
1-10	164+05.13 LE	34.29' LT	1023.93
1-11	163+95.14 LE	34.01' LT	1024.02
1-12	164+04.69 LE	46.29' LT	1024.22
1-13	163+83.82 LE	31.00' RT	1024.74
1-14	163+93.82 LE	31.00' RT	1024.66
1-15	163+94.03 LE	36.00' RT	1024.74
1-16	163+83.87 LE	36.00' RT	1024.81
1-17	163+52.59 LE	31.00' RT	1025.09
1-18	163+53.25 LE	26.00' RT	1025.01
1-19	164+21.73 LE	31.00' RT	1024.60
1-20	164+21.12 LE	26.00' RT	1024.52
1-21	163+85.90 LE	75.46' LT	1024.54
1-22	163+85.88 LE	74.03' LT	1024.54
1-23	163+95.92 LE	75.33' LT	1024.30
1-24	164+06.31 LE	2.00' LT	1024.26
1-25	163+91.57 LE	55.92' LT	1024.40
1-26	164+19.38 LE	56.10' LT	1024.89
1-27	164+19.60 LE	46.02' LT	1024.74
1-28	163+61.62 LE	43.94' LT	1025.12
1-29	163+61.23 LE	53.93' LT	1025.27
1-30	164+06.10 LE	8.10' LT	1024.34
1-31	164+01.96 LE	56.23' LT	1024.38
1-32	163+83.44 LE	55.65' LT	1024.60
1-33	163+83.98 LE	45.66' LT	1024.45
1-34	164+14.69 LE	46.54' LT	1024.56
1-35	164+15.10 LE	56.55' LT	1024.74
1-36	163+85.15 LE	12.68' LT	1024.44
1-37	163+84.82 LE	2.00' LT	1024.42
1-38	163+94.83 LE	2.00' LT	1024.35
1-39	164+05.87 LE	13.30' LT	1024.30
1-40	163+95.91 LE	13.02' LT	1024.36
1-41	163+85.01 LE	8.10' LT	1024.49

POINT REFERENCE TABLE: 2			
POINT NO.	STATION	OFFSET	ELEVATION
2-1	165+58.70 LE	19.00' RT	1024.65
2-2	165+63.78 LE	26.50' RT	1025.55
2-3	165+71.86 LE	26.50' RT	1025.74
2-4	165+73.56 LE	31.50' RT	1025.85
2-5	165+90.01 LE	35.18' RT	1026.21
2-6	165+90.05 LE	27.16' RT	1026.09
2-7	165+79.08 LE	34.65' RT	1026.01
2-8	165+99.95 LE	35.70' RT	1026.09
2-9	165+99.83 LE	27.67' RT	1025.97
2-10	166+01.30 LE	20.73' RT	1025.53
2-11	166+14.34 LE	21.44' RT	1025.72
2-12	166+14.34 LE	28.46' RT	1026.11
2-13	166+14.34 LE	36.49' RT	1026.23
2-14	166+30.06 LE	29.34' RT	1026.56
2-15	166+30.01 LE	37.36' RT	1026.68
2-16	166+04.53 LE	2.00' LT	1026.01
2-17	166+14.34 LE	2.00' LT	1026.15
2-18	166+14.34 LE	11.30' LT	1026.24
2-19	166+05.29 LE	9.63' LT	1026.09
2-20	166+02.95 LE	17.89' LT	1025.96
2-21	166+10.68 LE	21.27' LT	1026.16
2-22	165+98.30 LE	39.59' LT	1025.51
2-23	166+04.68 LE	43.36' LT	1025.69
2-24	165+97.15 LE	46.41' LT	1025.95
2-25	166+03.25 LE	50.07' LT	1026.11
2-26	165+95.70 LE	56.18' LT	1026.11
2-27	166+01.46 LE	59.74' LT	1026.26
2-28	166+12.00 LE	58.05' LT	1026.78
2-29	166+07.79 LE	53.75' LT	1026.44
2-30	166+05.72 LE	63.31' LT	1026.60
2-31	166+09.72 LE	67.51' LT	1026.94
2-32	165+92.67 LE	44.52' LT	1026.14
2-33	165+91.52 LE	54.37' LT	1026.29
2-34	165+89.94 LE	43.66' LT	1026.06
2-35	165+95.75 LE	45.75' LT	1026.00
2-36	165+87.01 LE	35.42' LT	1025.17
2-37	165+81.33 LE	34.84' LT	1025.00
2-38	165+50.62 LE	19.00' RT	1024.45

POINT REFERENCE TABLE: 3			
POINT NO.	STATION	OFFSET	ELEVATION
3-1	205+14.07 SN	56.61' LT	1026.32
3-2	205+08.15 SN	59.67' LT	1026.11
3-3	205+09.81 SN	51.94' LT	1025.99
3-4	205+02.78 SN	55.15' LT	1025.70
3-5	205+04.19 SN	47.39' LT	1025.59
3-6	204+97.91 SN	44.00' LT	1025.44
3-7	204+96.89 SN	51.87' LT	1025.56
3-8	205+05.48 SN	40.59' LT	1025.19
3-9	204+98.89 SN	37.12' LT	1024.99
3-10	204+90.34 SN	41.84' LT	1025.55
3-11	204+89.99 SN	46.40' LT	1025.62
3-12	204+81.02 SN	33.65' LT	1024.56
3-13	204+73.14 SN	33.55' LT	1024.44
3-14	205+02.78 SN	15.76' LT	1025.38
3-15	205+10.82 SN	18.67' LT	1025.54
3-16	205+13.38 SN	10.68' LT	1025.60
3-17	205+04.30 SN	9.31' LT	1025.45
3-18	205+03.58 SN	2.00' LT	1025.37
3-19	205+13.38 SN	2.00' LT	1025.51
3-20	205+13.38 SN	20.21' RT	1025.17
3-21	205+00.52 SN	19.79' RT	1024.94
3-22	204+99.09 SN	26.76' RT	1025.39
3-23	205+13.38 SN	27.22' RT	1025.54
3-24	205+13.38 SN	37.24' RT	1025.69
3-25	204+98.99 SN	36.76' RT	1025.54
3-26	205+31.78 SN	38.15' RT	1026.29
3-27	205+33.25 SN	28.19' RT	1026.21
3-28	204+90.94 SN	36.60' RT	1025.65
3-29	204+77.62 SN	26.50' RT	1025.31
3-30	204+56.32 SN	19.00' RT	1024.21
3-31	204+64.42 SN	19.00' RT	1024.33
3-32	204+90.01 SN	26.58' RT	1025.51
3-33	205+11.21 SN	63.04' LT	1026.34
3-34	205+41.49 SN	28.70' RT	1026.40
3-35	205+39.83 SN	38.65' RT	1026.48
3-36	204+93.71 SN	50.70' LT	1025.63

POINT REFERENCE TABLE: 4			
POINT NO.	STATION	OFFSET	ELEVATION
4-1	168+05.26 LE	41.67' RT	1026.87
4-2	168+02.57 LE	31.80' RT	1026.72
4-3	168+20.00 LE	39.24' RT	1026.59
4-4	168+20.01 LE	29.09' RT	1026.44
4-5	168+26.54 LE	28.08' RT	1026.19
4-6	168+26.48 LE	38.18' RT	1026.35
4-7	168+36.47 LE	37.06' RT	1026.23
4-8	168+36.45 LE	27.03' RT	1026.08
4-9	168+26.54 LE	21.02' RT	1025.74
4-10	168+36.47 LE	20.01' RT	1025.63
4-11	168+45.00 LE	36.17' RT	1026.44
4-12	168+44.99 LE	26.56' RT	1026.30
4-13	168+53.75 LE	26.50' RT	1026.20
4-14	168+66.86 LE	19.00' RT	1025.34
4-15	168+74.97 LE	19.00' RT	1025.20
4-16	168+26.54 LE	2.00' LT	1026.19
4-17	168+36.54 LE	2.00' LT	1026.09
4-18	168+26.54 LE	11.58' LT	1026.42
4-19	168+36.57 LE	9.55' LT	1026.27
4-20	168+30.24 LE	20.34' LT	1026.33
4-21	168+39.92 LE	17.43' LT	1026.18
4-22	168+39.32 LE	41.77' LT	1025.98
4-23	168+48.99 LE	38.54' LT	1025.74
4-24	168+51.81 LE	45.06' LT	1026.18
4-25	168+42.14 LE	48.22' LT	1026.33
4-26	168+53.61 LE	54.93' LT	1026.33
4-27	168+45.78 LE	57.56' LT	1026.47
4-28	168+60.36 LE	43.60' LT	1026.30
4-29	168+60.71 LE	53.64' LT	1026.45
4-30	168+68.60 LE	43.34' LT	1026.18
4-31	168+68.46 LE	53.34' LT	1026.33
4-32	168+76.54 LE	43.49' LT	1026.10
4-33	168+81.55 LE	36.05' LT	1025.28
4-34	168+89.60 LE	36.09' LT	1025.20
4-35	168+78.83 LE	53.52' LT	1026.23
4-36	168+30.80 LE	54.38' LT	1026.92
4-37	168+35.97 LE	63.04' LT	1027.07

POINT REFERENCE TABLE: 5			
POINT NO.	STATION	OFFSET	ELEVATION
5-1	207+33.80 SN	52.53' LT	1027.52
5-2	207+39.35 SN	60.37' LT	1027.61
5-3	207+43.69 SN	45.85' LT	1026.96
5-4	207+46.64 SN	55.36' LT	1027.11
5-5	207+52.36 SN	42.67' LT	1026.81
5-6	207+53.86 SN	52.55' LT	1026.96
5-7	207+50.31 SN	36.00' LT	1026.37
5-8	207+41.54 SN	39.23' LT	1026.59
5-9	207+58.34 SN	51.67' LT	1027.10
5-10	207+57.88 SN	41.67' LT	1026.95
5-11	207+65.18 SN	51.23' LT	1027.00
5-12	207+64.61 SN	41.24' LT	1026.85
5-13	207+83.56 SN	33.01' LT	1025.82
5-14	207+76.10 SN	33.23' LT	1025.97
5-15	207+72.15 SN	50.91' LT	1026.91
5-16	207+71.81 SN	40.92' LT	1026.74
5-17	207+34.22 SN	17.94' LT	1026.91
5-18	207+43.49 SN	15.04' LT	1026.76
5-19	207+41.26 SN	8.60' LT	1026.83
5-20	207+31.44 SN	10.33' LT	1026.98
5-21	207+31.44 SN	2.00' LT	1026.91
5-22	207+41.40 SN	2.00' LT	1026.76
5-23	207+41.90 SN	20.98' RT	1026.33
5-24	207+31.44 SN	22.05' RT	1026.49
5-25	207+31.44 SN	29.10' RT	1026.93
5-26	207+42.06 SN	27.99' RT	1026.78
5-27	207+41.92 SN	38.05' RT	1026.93
5-28	207+31.47 SN	39.18' RT	1027.08
5-29	207+49.96 SN	27.37' RT	1026.87
5-30	207+50.00 SN	35.75' RT	1027.00
5-31	207+45.82 SN	37.71' RT	1026.94
5-32	207+58.96 SN	26.86' RT	1026.89
5-33	207+57.92 SN	31.91' RT	1026.97
5-34	207+68.34 SN	26.56' RT	1026.79
5-35	207+73.81 SN	19.00' RT	1025.96
5-36	207+82.04 SN	19.00' RT	1025.91
5-37	207+25.01 SN	29.92' RT	1027.14
5-38	207+25.00 SN	40.04' RT	1027.30
5-39	207+08.22 SN	32.09' RT	1027.54
5-40	207+10.52 SN	42.00' RT	1027.68
5-41	207+35.78 SN	63.95' LT	1027.80
5-42	207+29.44 SN	56.96' LT	1027.65

POINT REFERENCE TABLE: 6			
POINT NO.	STATION	OFFSET	ELEVATION
6-1	164+95.87 LE	26.00' RT	1023.73
6-2	165+19.87 LE	26.00' RT	1024.01
6-3	165+19.87 LE	31.00' RT	1024.09
6-4	164+95.87 LE	31.00' RT	1023.80
6-5	164+95.87 LE	46.52' RT	1022.92
6-6	165+19.87 LE	48.40' RT	1022.86
6-7	164+87.10 LE	31.00' RT	1024.36
6-8	164+87.10 LE	26.00' RT	1024.29
6-9	165+33.29 LE	31.00' RT	1024.95
6-10	165+33.29 LE	26.00' RT	1024.88
6-11	165+24.87 LE	19.00' RT	1024.44
6-12	165+22.87 LE	19.00' RT	1023.92
6-13	164+90.87 LE	19.00' RT	1024.03
6-14	164+92.87 LE	19.00' RT	1023.56



CITY OF FITCHBURG

CURB RAMP DETAILS

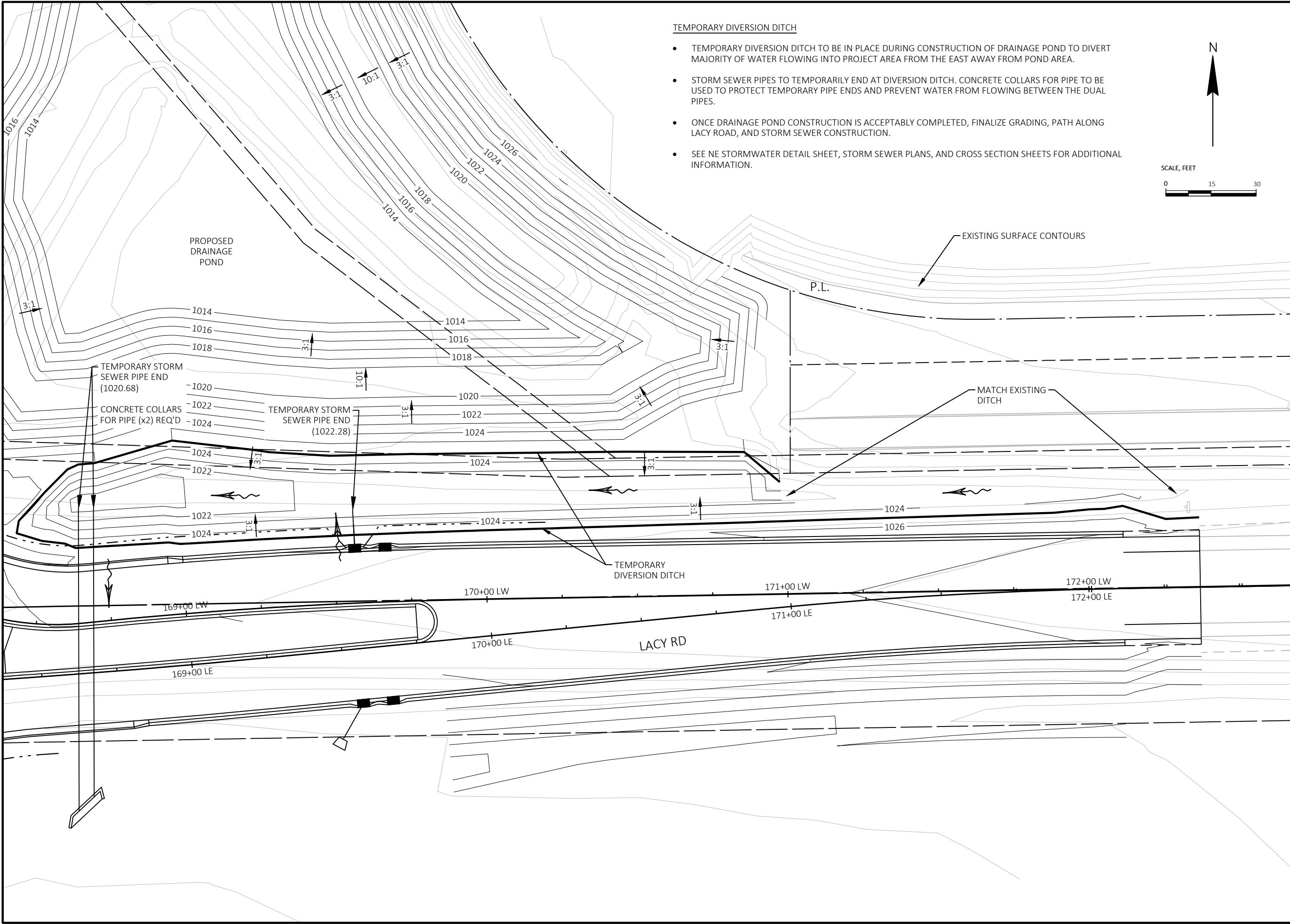
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 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.

FILE NAME : G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETPLAN\021204_BASIN DETAILS_TEMP.DWG

PLOT BY : BRIAN ST. VINCENT PLOT DATE : 9/14/2022 9:29 AM



TEMPORARY DIVERSION DITCH

- TEMPORARY DIVERSION DITCH TO BE IN PLACE DURING CONSTRUCTION OF DRAINAGE POND TO DIVERT MAJORITY OF WATER FLOWING INTO PROJECT AREA FROM THE EAST AWAY FROM POND AREA.
- STORM SEWER PIPES TO TEMPORARILY END AT DIVERSION DITCH. CONCRETE COLLARS FOR PIPE TO BE USED TO PROTECT TEMPORARY PIPE ENDS AND PREVENT WATER FROM FLOWING BETWEEN THE DUAL PIPES.
- ONCE DRAINAGE POND CONSTRUCTION IS ACCEPTABLY COMPLETED, FINALIZE GRADING, PATH ALONG LACY ROAD, AND STORM SEWER CONSTRUCTION.
- SEE NE STORMWATER DETAIL SHEET, STORM SEWER PLANS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.



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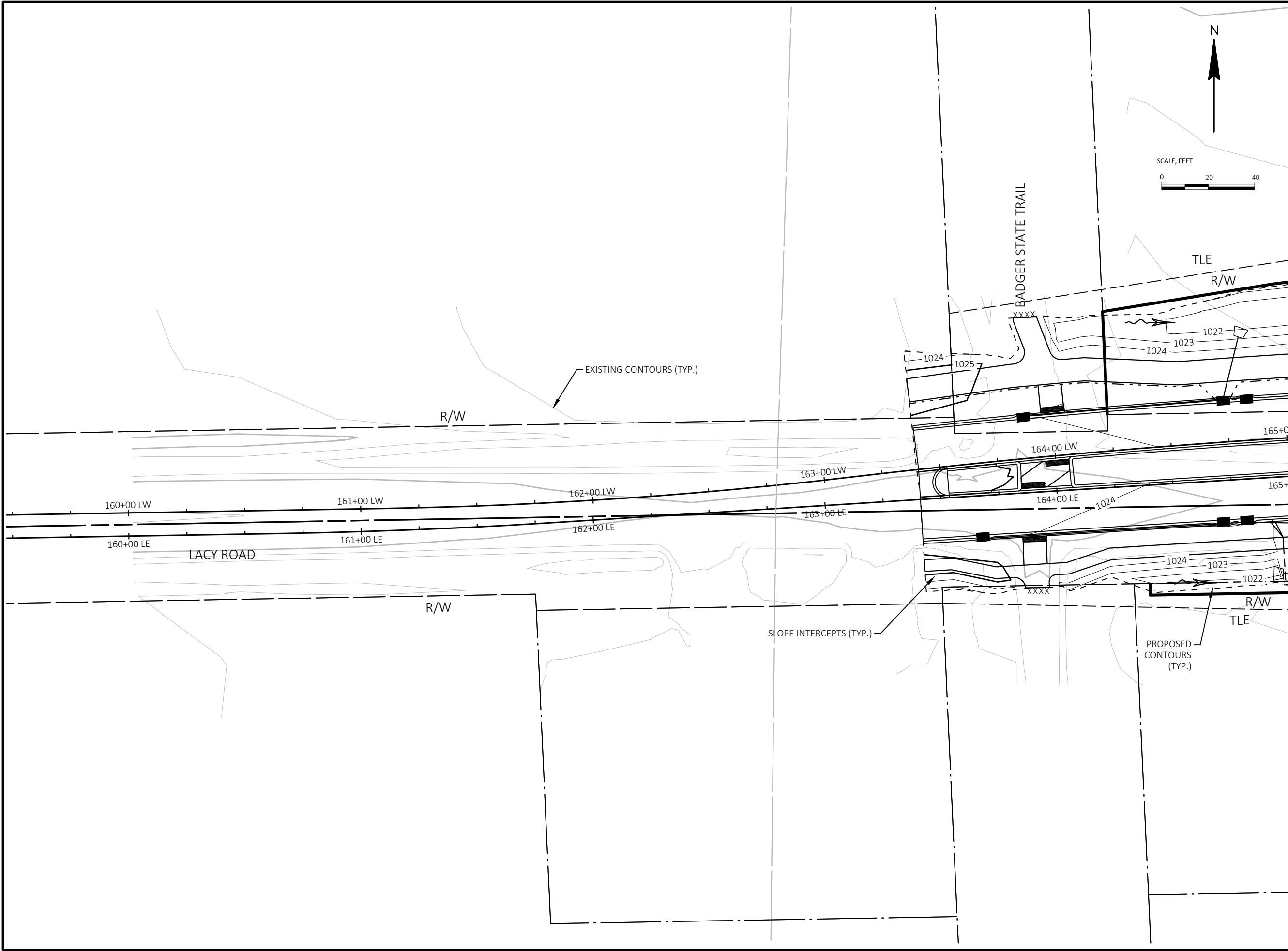
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**TEMPORARY DIVERSION
 DITCH DETAILS**

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.
 37 of 143



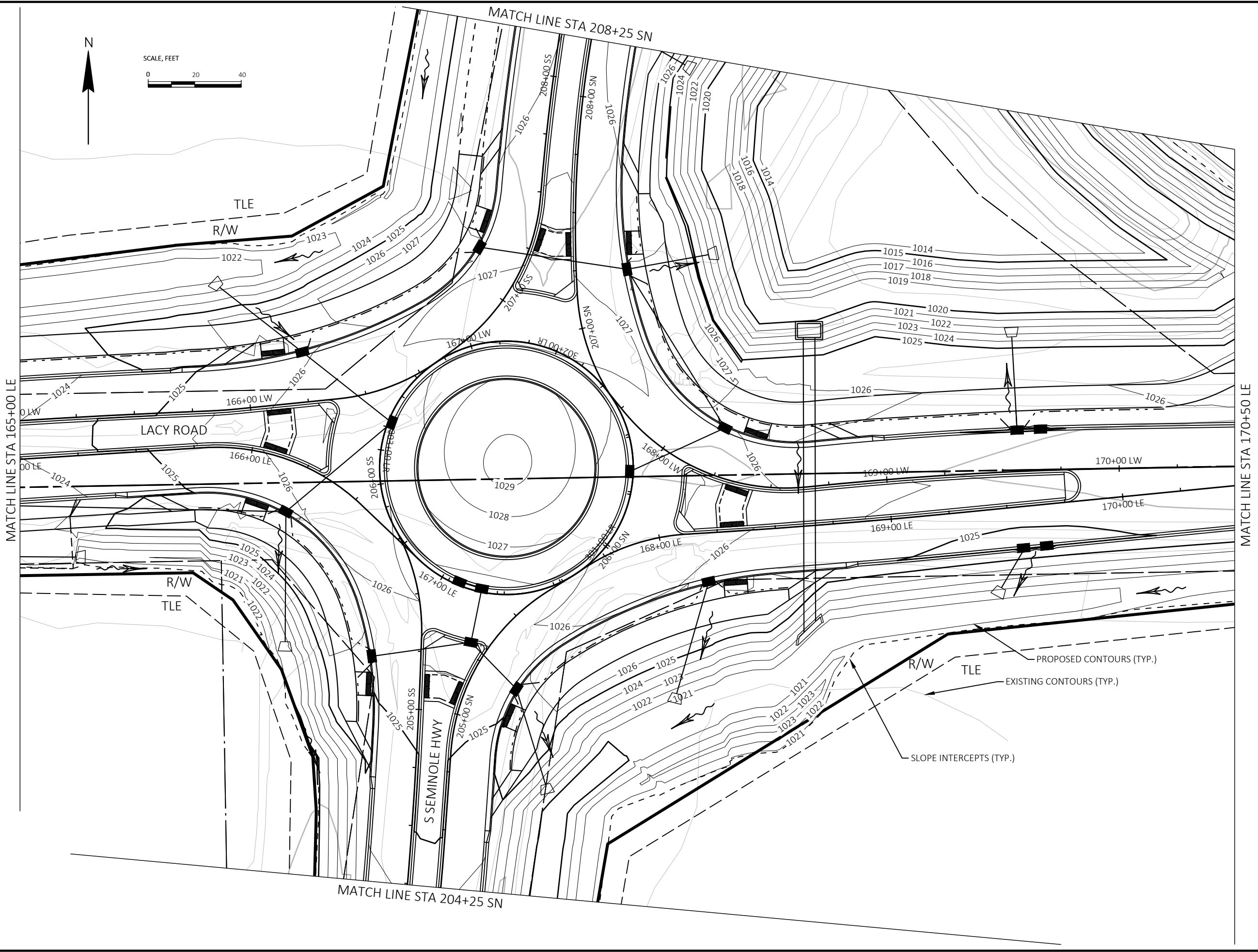
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Revisions:

SHEET NO.
 38 of 143



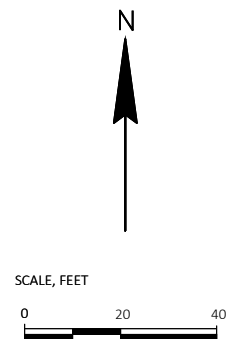
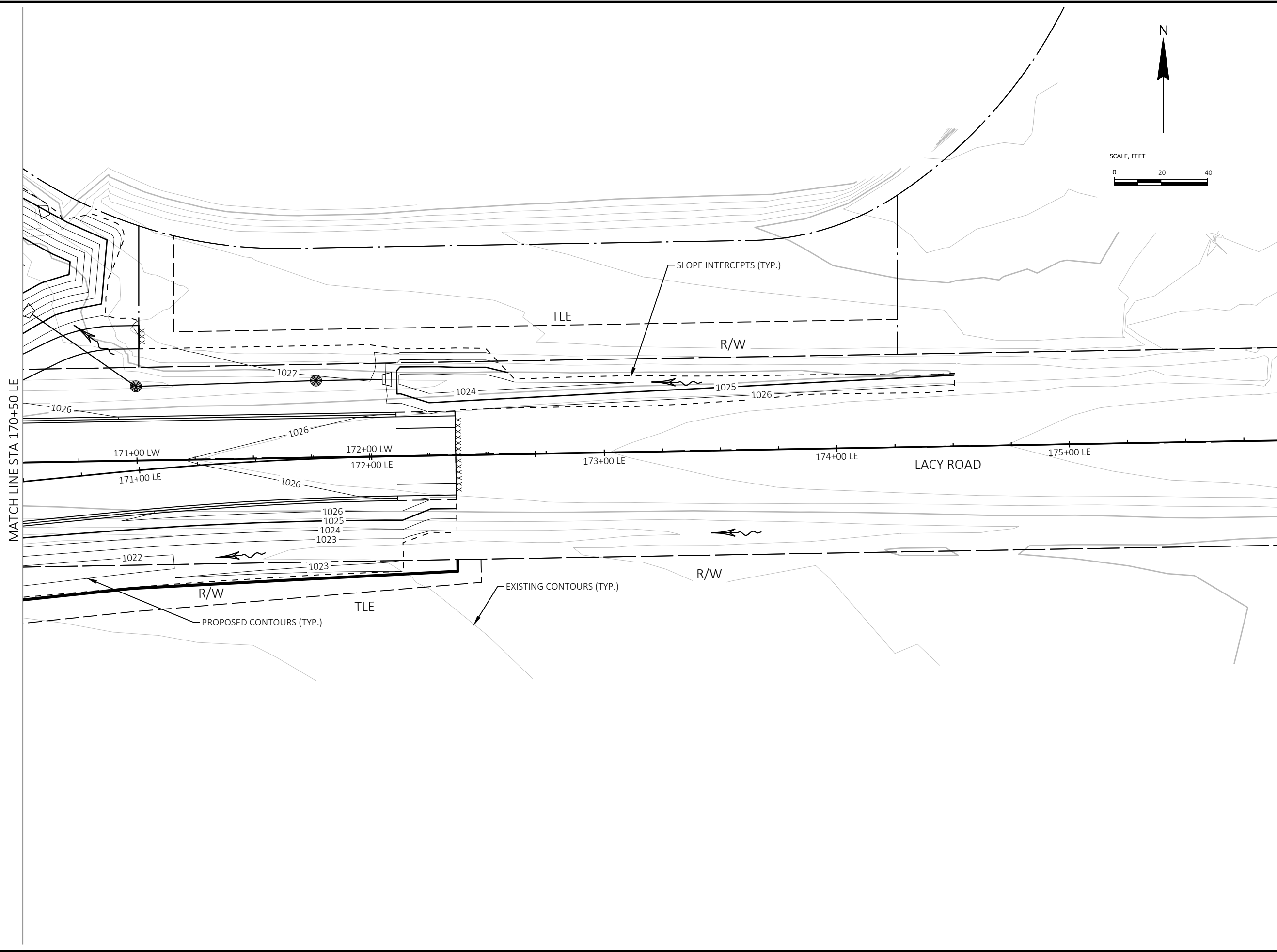
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SHEET NO.
 39 of 143



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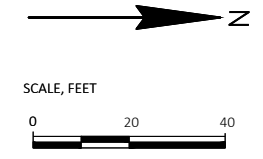
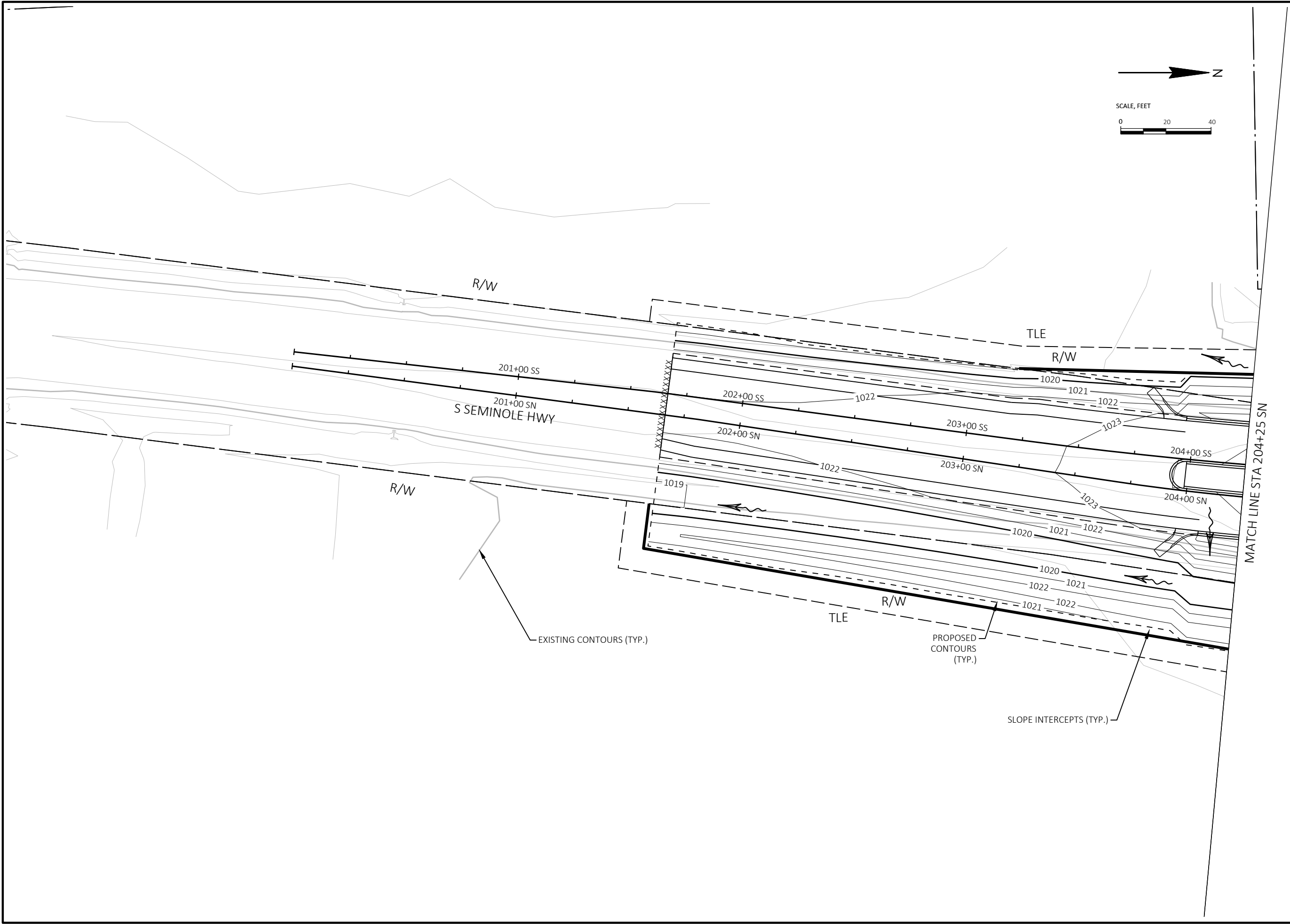
Project No:	22-3495
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Revisions:

SHEET NO.
 40 of 143

PLOT BY: BRIAN ST. VINCENT PLOT DATE: 9/14/2022 9:34 AM

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\021205_GR.DWG



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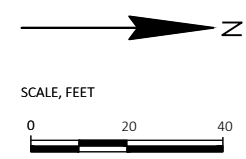
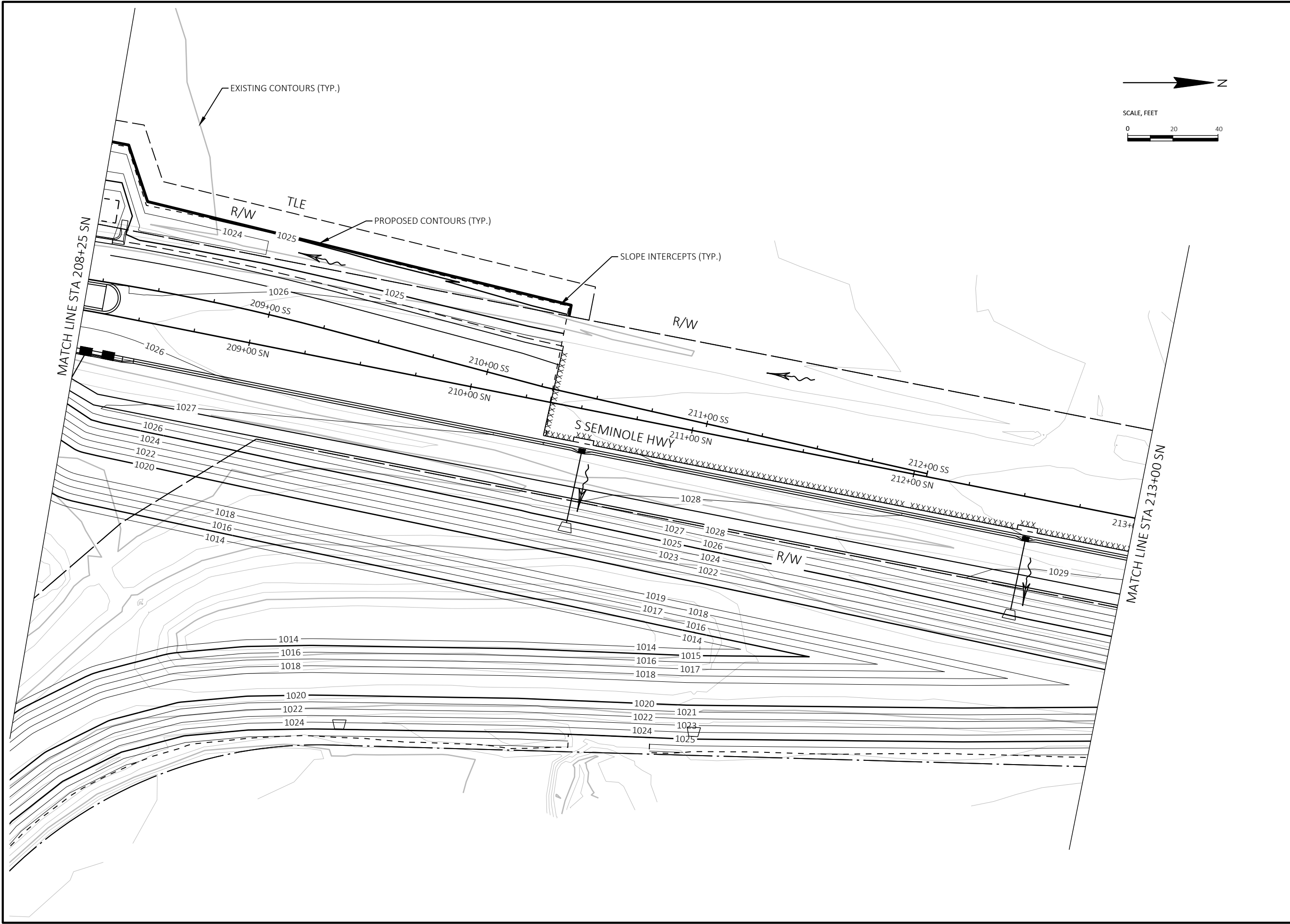
Project No: 22-3495
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Revisions:

SHEET NO.
 41 of 143

PLOT BY: BRIAN ST. VINCENT PLOT DATE: 9/14/2022 9:34 AM

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETPLAN\021205_GR.DWG



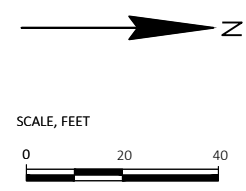
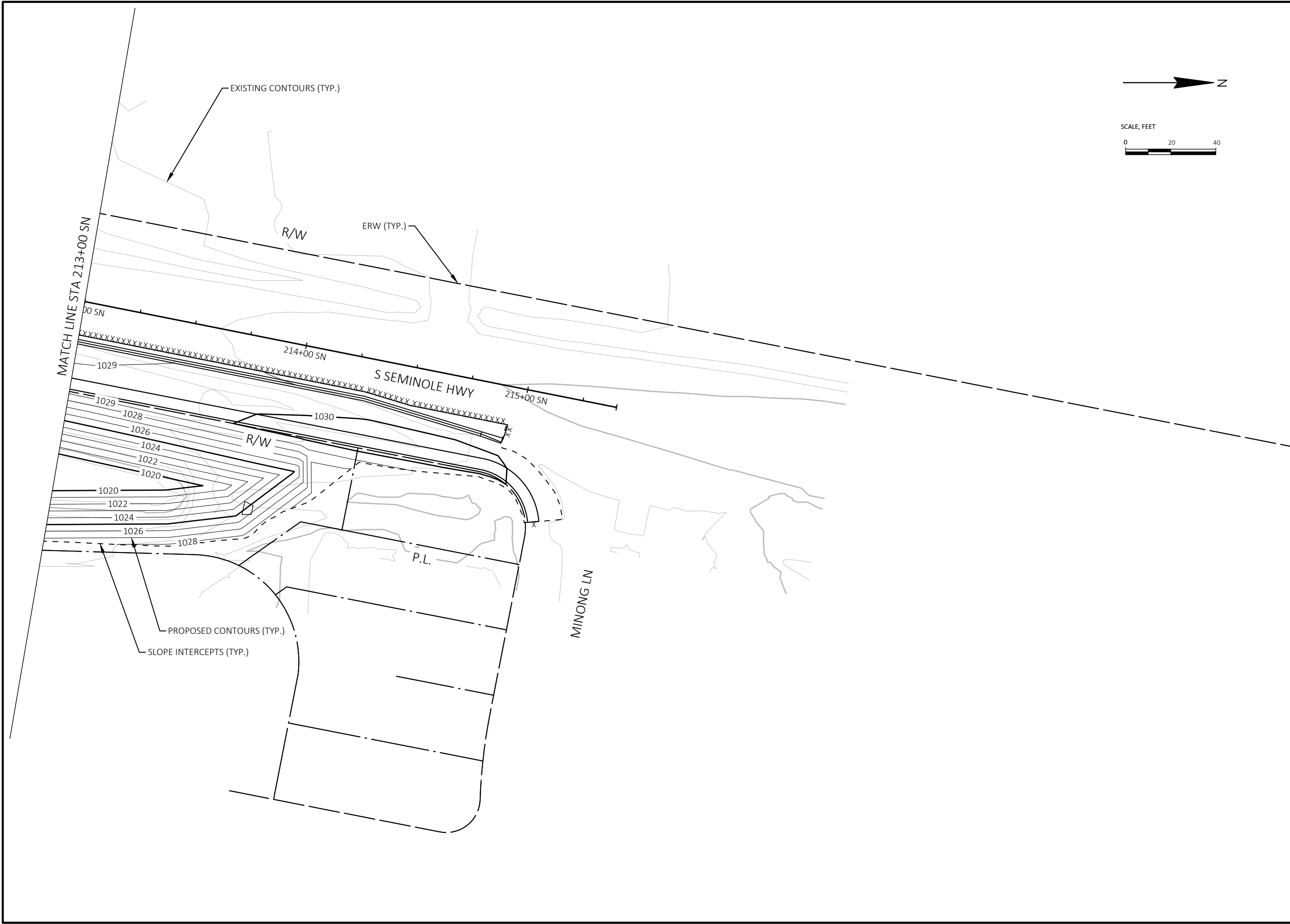
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 42 of 143



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SHEET NO.
 43 of 143



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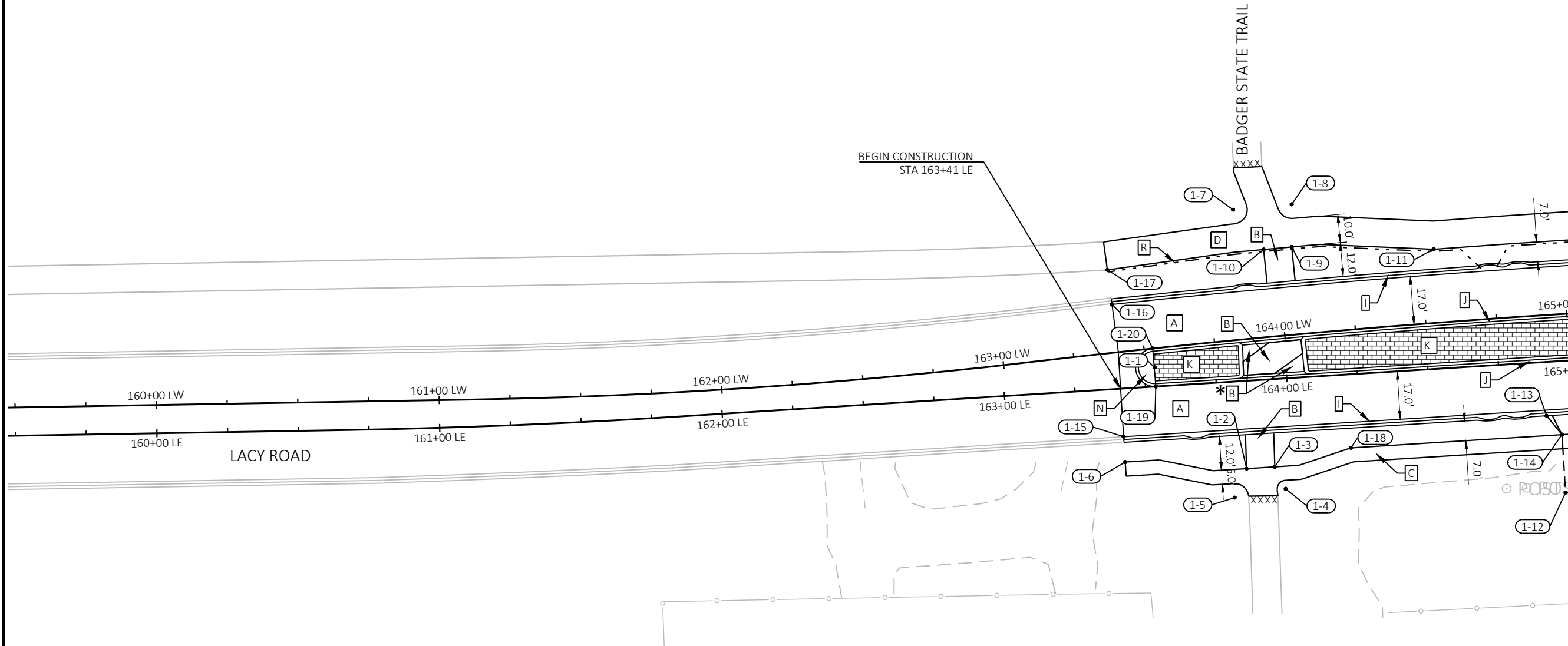
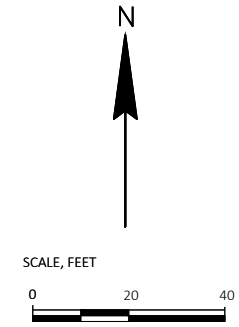
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LEGEND

- | | | |
|------------------------------------|---|--|
| [A] HMA PAVEMENT 5.75-INCH | [G] CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R | [M] CONCRETE DRIVEWAY 7-INCH |
| [B] CONCRETE SIDEWALK 7-INCH | [H] CONCRETE CURB & GUTTER 18-INCH TYPE A, REJECT | [N] CONCRETE MEDIAN SLOPED NOSE TYPE 1 |
| [C] CONCRETE SIDEWALK 5-INCH | [I] CONCRETE CURB & GUTTER 24-INCH | [O] CONCRETE MEDIAN SLOPED NOSE TYPE 2 |
| [D] POROUS ASPHALT PAVEMENT 3-INCH | [J] CONCRETE CURB & GUTTER 24-INCH, REJECT | [P] BIKE SLIP RAMP (SEE DETAIL) |
| [E] BASE AGGREGATE DENSE 3/4-INCH | [K] CONCRETE SIDEWALK 5-INCH RED STAMPED | [Q] ASPHALTIC FLUME |
| [F] CONCRETE CURB & GUTTER 30-INCH | [L] CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED | [R] PIPE UNDERDRAIN 6-INCH |
- .XXXXX. SAW CUT

NOTES:

WIDTH AND RADIUS DIMENSIONS ARE SHOWN TO THE EDGE OF PAVEMENT.
MATCH EXISTING ELEVATIONS AT ALL SAW CUT LOCATIONS.

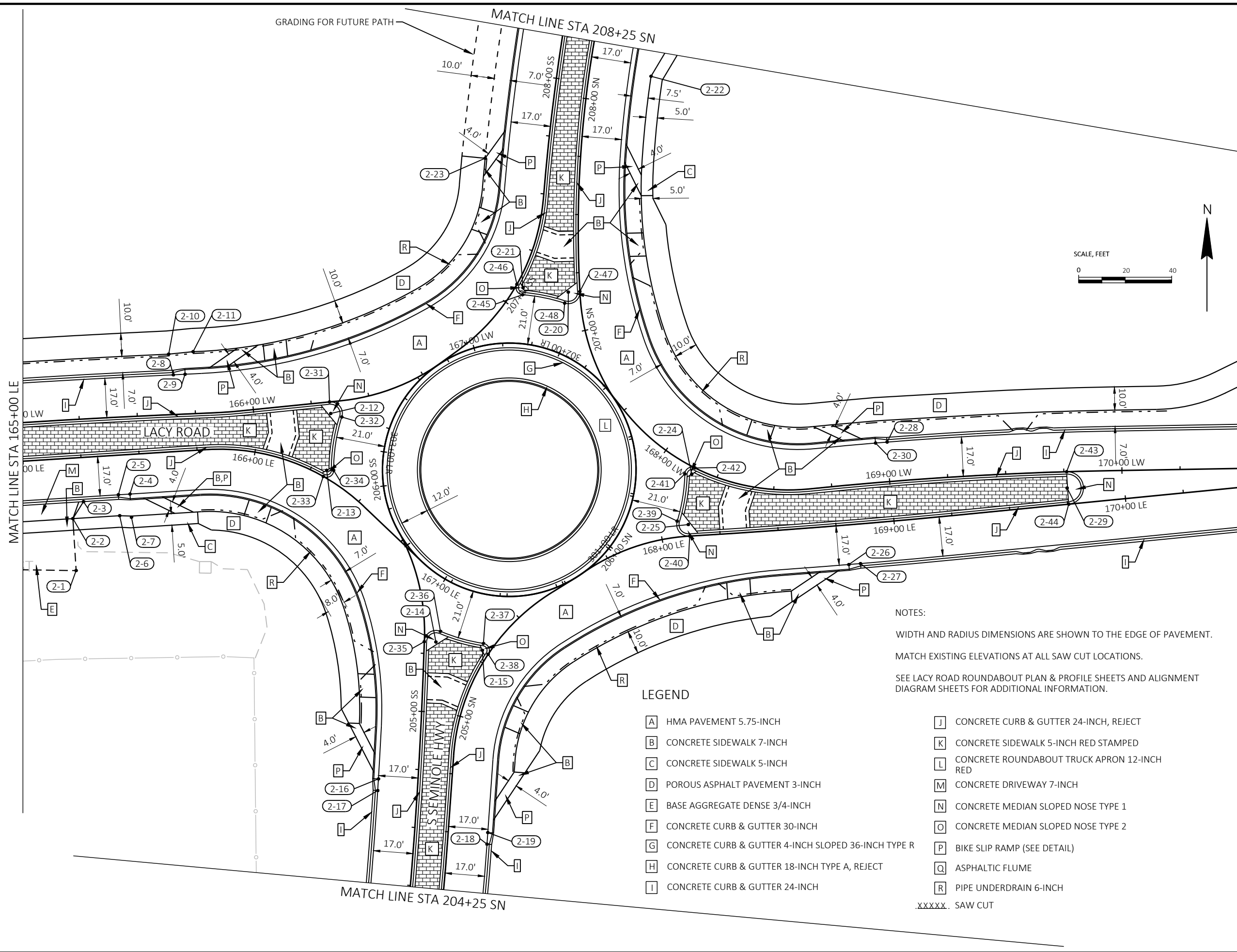
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PLAN DETAILS**

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 SEE LACY ROAD ROUNDABOUT PLAN & PROFILE SHEETS AND ALIGNMENT DIAGRAM SHEETS FOR ADDITIONAL INFORMATION.

LEGEND

- | | |
|---|---|
| [A] HMA PAVEMENT 5.75-INCH | [J] CONCRETE CURB & GUTTER 24-INCH, REJECT |
| [B] CONCRETE SIDEWALK 7-INCH | [K] CONCRETE SIDEWALK 5-INCH RED STAMPED |
| [C] CONCRETE SIDEWALK 5-INCH | [L] CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED |
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| [F] CONCRETE CURB & GUTTER 30-INCH | [O] CONCRETE MEDIAN SLOPED NOSE TYPE 2 |
| [G] CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R | [P] BIKE SLIP RAMP (SEE DETAIL) |
| [H] CONCRETE CURB & GUTTER 18-INCH TYPE A, REJECT | [Q] ASPHALTIC FLUME |
| [I] CONCRETE CURB & GUTTER 24-INCH | [R] PIPE UNDERDRAIN 6-INCH |

.XXXXX. SAW CUT

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Revisions:

SHEET NO.
 45 of 143

LEGEND

- [A] HMA PAVEMENT 5.75-INCH
- [B] CONCRETE SIDEWALK 7-INCH
- [C] CONCRETE SIDEWALK 5-INCH
- [D] POROUS ASPHALT PAVEMENT 3-INCH
- [E] BASE AGGREGATE DENSE 3/4-INCH
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- [P] BIKE SLIP RAMP (SEE DETAIL)
- [Q] ASPHALTIC FLUME
- [R] PIPE UNDERDRAIN 6-INCH
- XXXXX SAW CUT

N

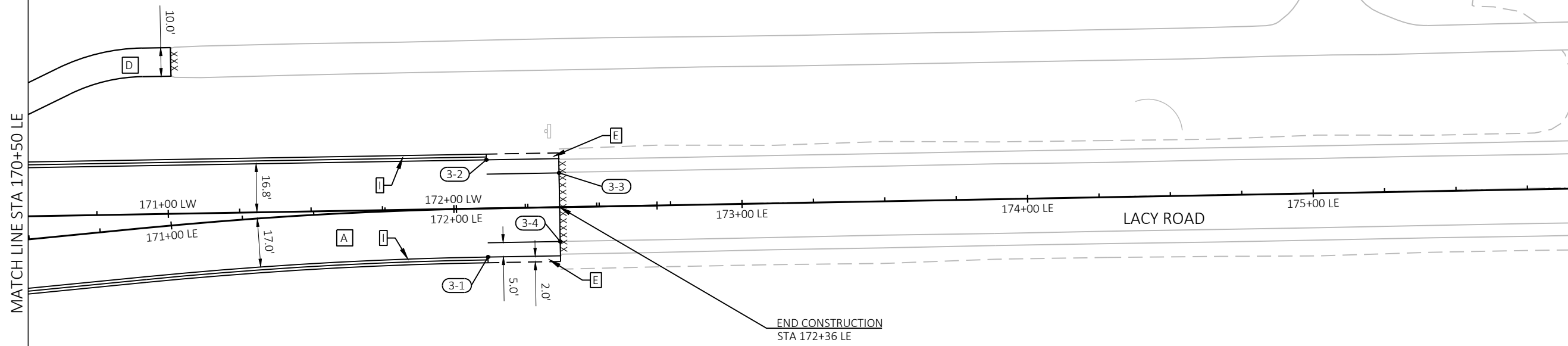


SCALE, FEET



NOTES:

WIDTH AND RADIUS DIMENSIONS ARE SHOWN TO THE EDGE OF PAVEMENT.
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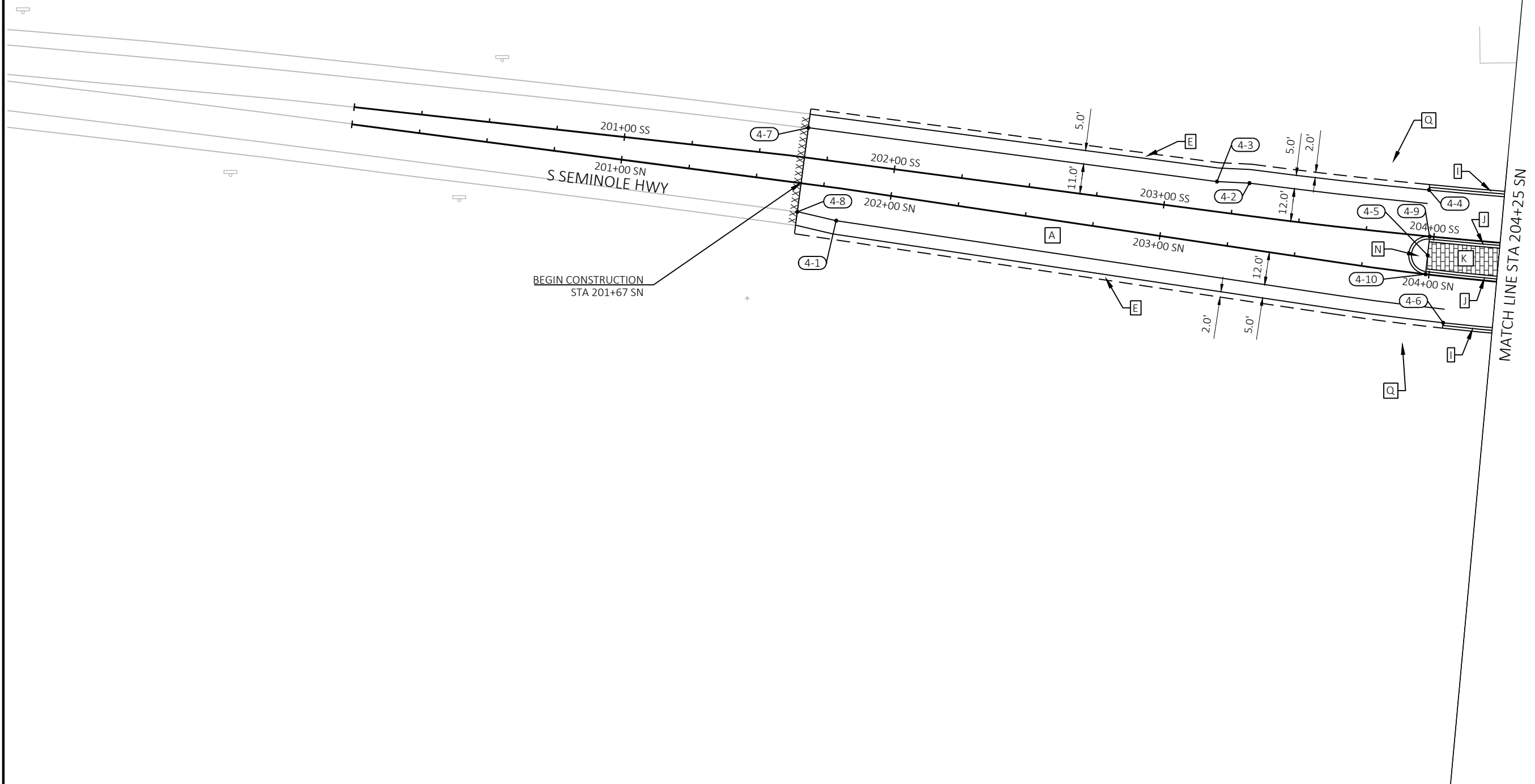
46 of 143

LEGEND

- | | | |
|---|--|---|
| A HMA PAVEMENT 5.75-INCH | G CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R | M CONCRETE DRIVEWAY 7-INCH |
| B CONCRETE SIDEWALK 7-INCH | H CONCRETE CURB & GUTTER 18-INCH TYPE A, REJECT | N CONCRETE MEDIAN SLOPED NOSE TYPE 1 |
| C CONCRETE SIDEWALK 5-INCH | I CONCRETE CURB & GUTTER 24-INCH | O CONCRETE MEDIAN SLOPED NOSE TYPE 2 |
| D POROUS ASPHALT PAVEMENT 3-INCH | J CONCRETE CURB & GUTTER 24-INCH, REJECT | P BIKE SLIP RAMP (SEE DETAIL) |
| E BASE AGGREGATE DENSE 3/4-INCH | K CONCRETE SIDEWALK 5-INCH RED STAMPED | Q ASPHALTIC FLUME |
| F CONCRETE CURB & GUTTER 30-INCH | L CONCRETE ROUNDABOUT TRUCK APRON 12-INCH RED | R PIPE UNDERDRAIN 6-INCH |
| | | .XXXXX. SAW CUT |



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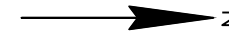
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SHEET NO.
 47 of 143

LEGEND

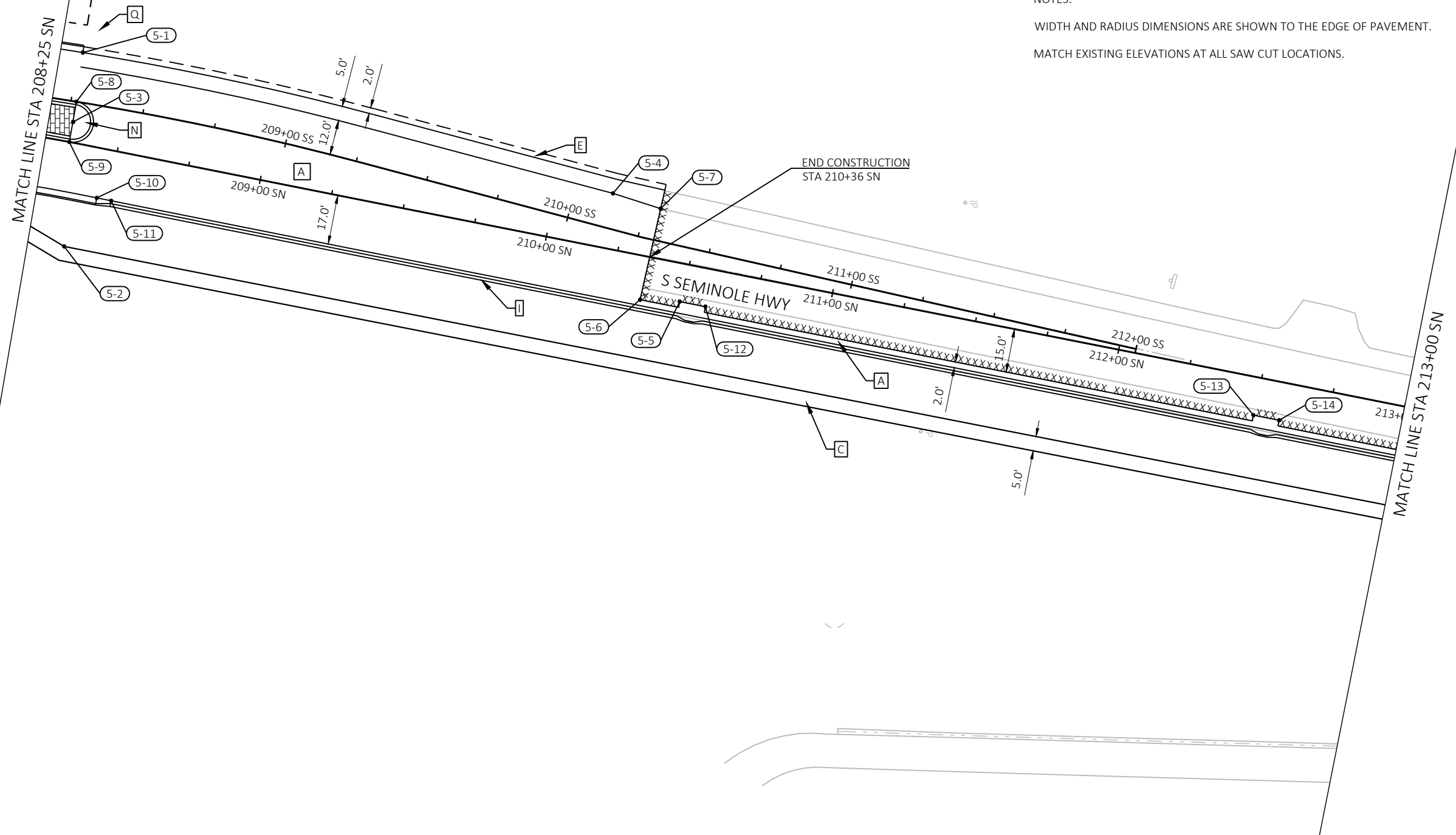
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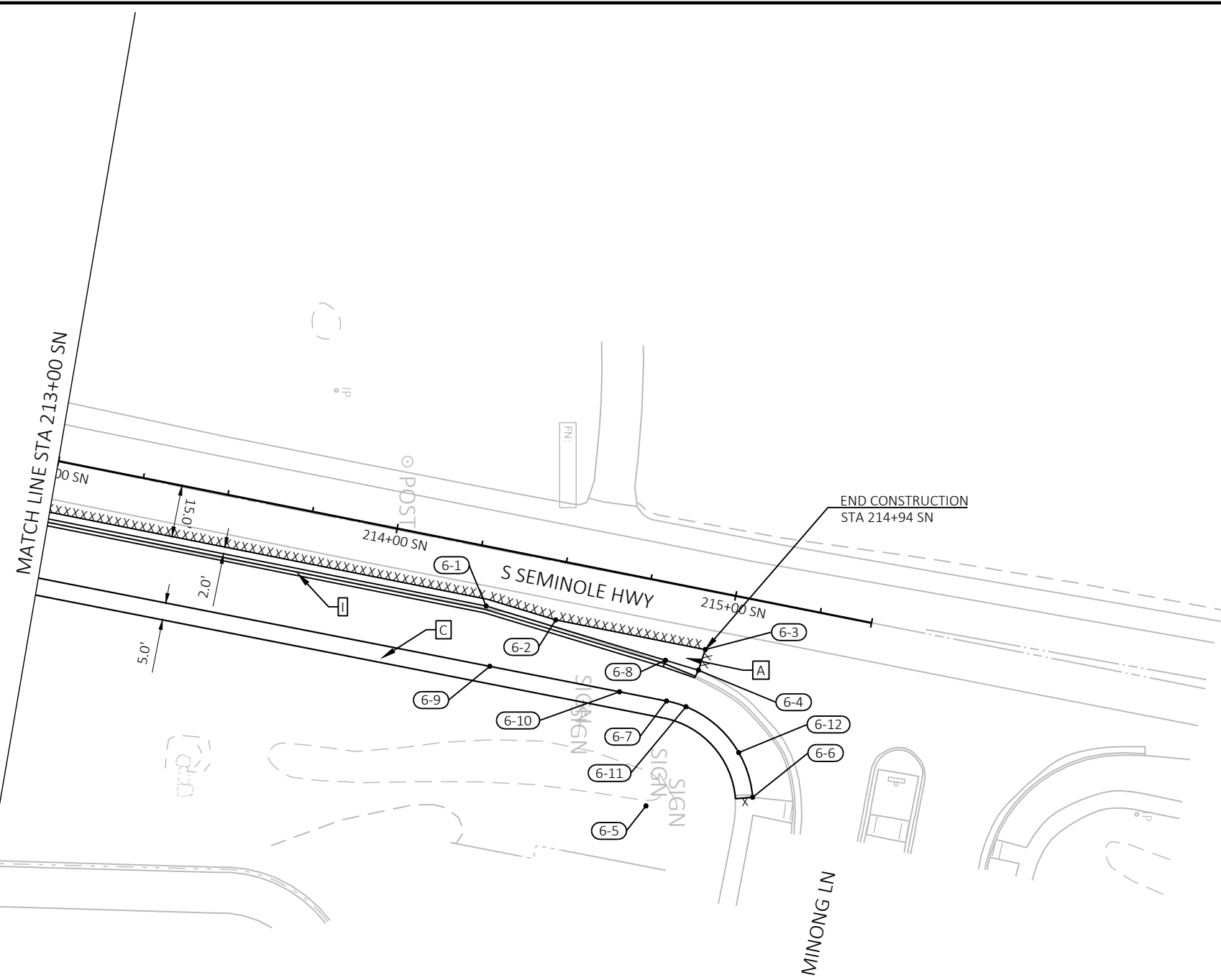
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SHEET NO.
48 of 143



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LEGEND

- | | | |
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- SAW CUT



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SHEET NO.

49 of 143

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
1-1	163+53.62 LE	6.75' LT	---	CENTER 6.8' RADIUS EOP
1-2	163+83.82 LE	31.00' RT	1024.74	---
1-3	163+93.82 LE	31.00' RT	1024.66	---
1-4	163+97.16 LE	39.00' RT	---	CENTER 3' RADIUS
1-5	163+78.94 LE	41.00' RT	---	CENTER 5' RADIUS
1-6	163+41.15 LE	26.00' RT	1025.09	---
1-7	163+84.81 LE	60.70' LT	---	CENTER 5' RADIUS
1-8	164+05.59 LE	61.31' LT	---	CENTER 5' RADIUS
1-9	164+04.69 LE	46.28' LT	1024.22	---
1-10	163+94.69 LE	46.00' LT	1024.25	---
1-11	164+54.73 LE	42.28' LT	1024.33	DEFLECTION
1-12	164+95.87 LE	46.52' RT	1022.92	---
1-13	164+90.87 LE	19.00' RT	1024.03	---
1-14	164+95.87 LE	26.00' RT	1023.73	---
1-15	163+41.15 LE	17.00' RT	1024.35	BEGIN C&G
1-16	163+39.99 LE	29.93' LT	1024.36	BEGIN C&G
1-17	163+39.14 LE	42.26' LT	1025.23	---
1-18	164+21.07 LE	26.00' RT	1024.52	DEFLECTION
1-19	163+53.62 LE	0.00'	1024.61	---
1-20	163+53.34 LE	13.49' LT	1024.62	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
2-1	165+19.87 LE	48.40' RT	1022.86	---
2-2	165+19.87 LE	26.00' RT	1024.01	---
2-3	165+24.87 LE	19.00' RT	1024.44	---
2-4	165+45.04 LE	17.00' RT	1024.40	C&G TRANSITION
2-5	165+40.04 LE	17.00' RT	1024.28	C&G TRANSITION
2-6	165+40.04 LE	26.00' RT	1025.02	DEFLECTION
2-7	165+45.04 LE	27.00' RT	1025.10	DEFLECTION
2-8	165+66.87 LE	32.99' LT	1024.78	C&G TRANSITION
2-9	165+71.89 LE	32.92' LT	1024.88	C&G TRANSITION
2-10	165+65.43 LE	42.01' LT	1025.49	DEFLECTION
2-11	165+75.98 LE	42.39' LT	1025.66	DEFLECTION
2-12	166+23.07 LE	25.60' LT	---	CENTER 5' RADIUS EOP
2-13	166+31.31 LE	3.00' LT	---	CENTER 3' RADIUS EOP
2-14	205+22.91 LE	21.90' LT	---	CENTER 5' RADIUS EOP
2-15	205+29.43 LE	3.00' LT	---	CENTER 3' RADIUS EOP
2-24	168+14.41 LE	26.53' LT	---	CENTER 3' RADIUS EOP
2-25	168+11.63 LE	5.00' LT	---	CENTER 5' RADIUS EOP
2-26	168+79.15 LE	17.00' RT	1025.23	C&G TRANSITION
2-27	168+84.13 LE	17.00' RT	1025.18	C&G TRANSITION
2-28	169+00.05 LE	34.08' LT	1025.20	C&G TRANSITION
2-29	169+75.48 LE	7.00' LT	---	CENTER 7' RADIUS EOP
2-30	168+94.99 LE	34.10' LT	1025.23	C&G TRANSITION
2-31	166+21.19 LE	29.95' LT	1026.45	---
2-32	166+26.91 LE	26.30' LT	1026.55	---
2-33	166+31.31 LE	0.00'	1026.30	---
2-34	166+33.79 LE	4.52' LT	1026.38	---
2-39	168+07.28 LE	6.88' LT	1026.44	---
2-40	168+11.92 LE	0.00'	1026.30	---
2-41	168+11.52 LE	26.79' LT	1026.59	---
2-42	168+15.92 LE	29.13' LT	1026.55	---
2-43	169+75.95 LE	13.98' LT	1025.37	---
2-44	169+75.48 LE	0.00'	1025.20	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
2-16	204+70.57 SN	31.52' LT	1024.48	C&G TRANSITION
2-17	204+65.57 SN	31.48' LT	1024.40	C&G TRANSITION
2-18	204+45.86 SN	17.00' RT	1024.13	C&G TRANSITION
2-19	204+50.86 SN	17.00' RT	1024.21	C&G TRANSITION
2-20	207+16.90 SN	5.00' LT	---	CENTER 5' RADIUS EOP
2-21	207+19.72 SN	24.34' LT	---	CENTER 3' RADIUS EOP
2-22	208+13.57 SN	26.50' RT	1026.53	DEFLECTION
2-23	207+71.81 SN	40.92' LT	1026.74	---
2-35	205+21.11 SN	26.34' LT	1025.72	---
2-36	205+26.89 SN	22.57' LT	1025.81	---
2-37	205+32.02 SN	4.32' LT	1025.79	---
2-38	205+29.43 SN	0.00'	1025.72	---
2-45	207+16.89 SN	24.72' LT	1027.19	---
2-46	207+21.24 SN	26.88' LT	1027.11	---
2-47	207+16.90 SN	0.00'	1027.07	---
2-48	207+12.46 SN	6.89' LT	1027.20	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
3-1	172+10.76 LE	17.00' RT	1026.08	END C&G
3-2	172+10.76 LE	17.00' LT	1026.08	END C&G
3-3	172+36.12 LE	12.00' LT	1026.34	---
3-4	172+36.12 LE	12.00' RT	1026.25	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
4-1	201+81.20 SN	12.00' RT	1021.92	DEFLECTION
4-2	203+29.71 SN	24.09' LT	1022.58	DEFLECTION
4-3	203+17.82 SN	22.89' LT	1022.48	DEFLECTION
4-4	203+96.31 SN	30.95' LT	1023.38	BEGIN C&G
4-5	203+98.72 SN	7.00' LT	---	CENTER 7' RADIUS EOP
4-6	204+07.09 SN	17.00' RT	1023.55	BEGIN C&G
4-7	201+66.60 SN	20.60' LT	1021.71	---
4-8	201+66.59 SN	10.62' RT	1021.96	---
4-9	203+98.57 SN	14.00' LT	1023.75	---
4-10	203+98.72 SN	0.00'	1023.76	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
5-1	208+32.20 SN	30.98' LT	1025.62	ENG C&G
5-2	208+38.52 SN	35.50' RT	1026.87	DEFLECTION
5-3	208+33.25 SN	7.00' LT	---	CENTER 7' RADIUS EOP
5-4	210+19.52 SN	18.96' LT	1026.58	DEFLECTION
5-5	210+49.15 SN	13.00' RT	1026.89	---
5-6	210+35.70 SN	15.00' RT	1026.67	---
5-7	210+36.57 SN	16.98' LT	1026.67	---
5-8	208+33.07 SN	14.00' LT	1025.96	---
5-9	208+33.25 SN	0.00'	1026.15	---
5-10	208+46.23 SN	17.00' RT	1025.83	C&G TRANSITION
5-11	208+51.23 SN	17.00' RT	1025.84	C&G TRANSITION
5-12	210+58.15 SN	13.00' RT	1026.94	---
5-13	212+49.67 SN	13.00' RT	1028.07	---
5-14	212+58.67 SN	13.00' RT	1028.14	---

POINT REFERENCE TABLE				
POINT NO	STATION	OFFSET	ELEV	DESCRIPTION
6-1	214+29.64 SN	17.00' RT	1029.22	DEFLECTION
6-2	214+50.21 SN	17.00' RT	1029.37	---
6-3	214+94.38 SN	17.00' RT	1029.62	---
6-4	214+93.58 SN	23.24' RT	1029.30	END C&G
6-5	214+86.37 SN	64.78' RT	---	CENTER 31' RADIUS
6-6	215+16.18 SN	56.29' RT	1029.30	---
6-7	214+86.27 SN	33.78' RT	1030.14	BEGIN ARC
6-8	214+83.67 SN	22.27' RT	1029.32	C&G TRANSITION
6-9	214+34.11 SN	33.93' RT	1030.28	GRADE BREAK
6-10	214+72.38 SN	33.82' RT	1030.23	GRADE BREAK
6-11	214+92.13 SN	34.32' RT	1030.13	GRADE BREAK
6-12	215+09.71 SN	44.38' RT	1029.68	GRADE BREAK



CITY OF FITCHBURG

PLAN DETAILS

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.



Engineering

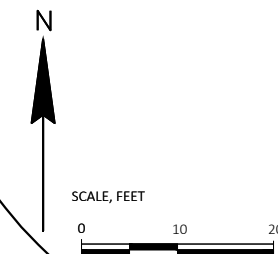
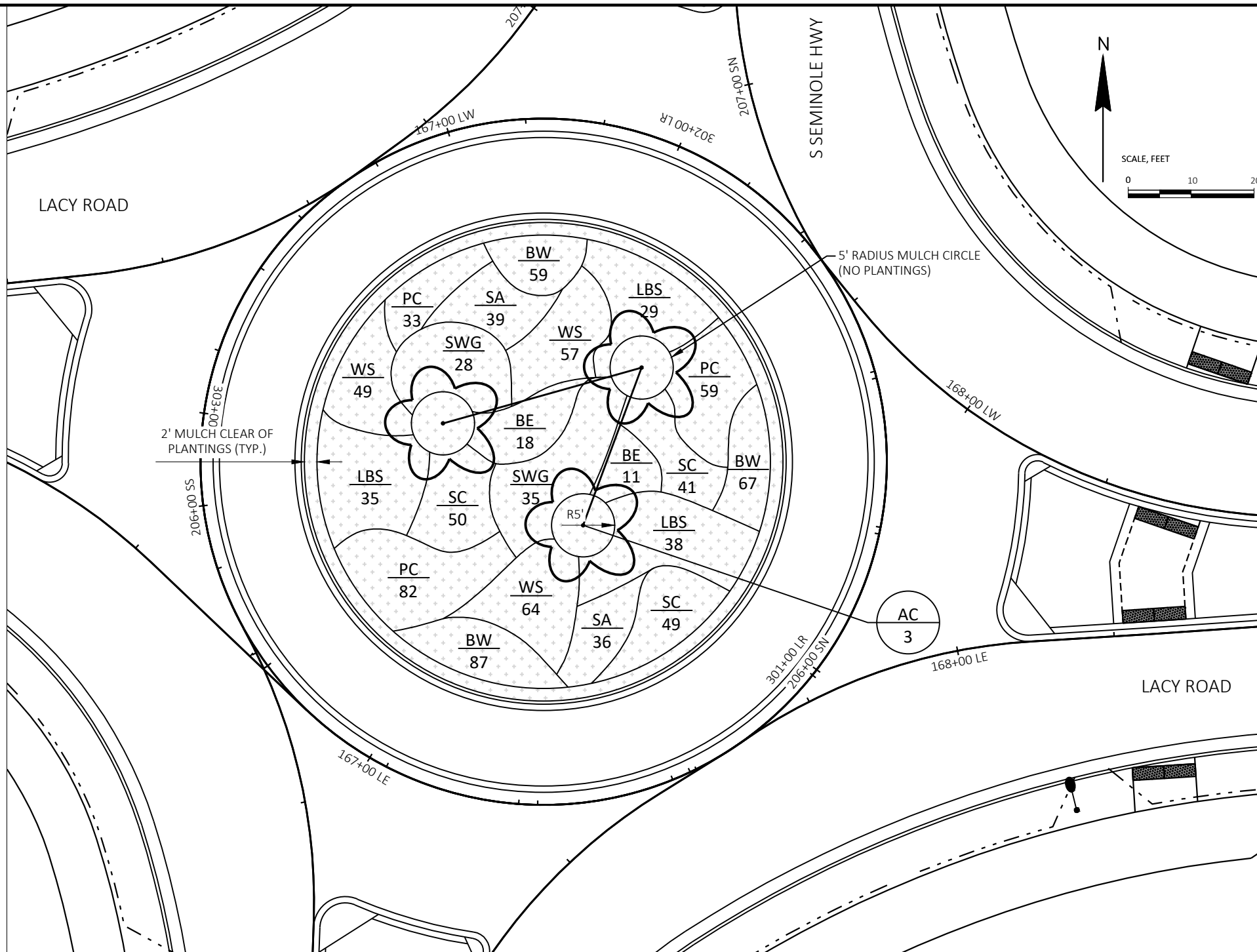
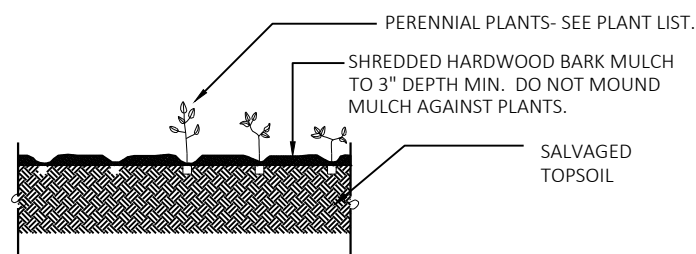
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CITY OF FITCHBURG

LANDSCAPING

PERENNIAL PLANTING DETAIL

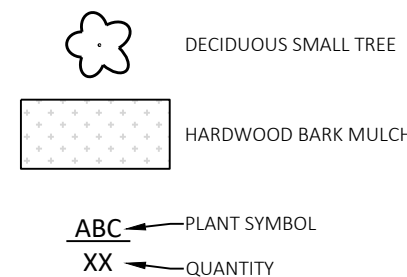
NOTES:
 - KEEP CONTAINERS ON PLANTS UNTIL READY TO INSTALL TO MINIMIZE ROOT DAMAGE FROM EXPOSURE TO AIR. GENTLY LOOSEN ROOTS ON ROOTBOUND PLANTS. SEVERELY ROOTBOUND PLANTS WILL BE REJECTED.
 - WATER PLANTS THOROUGHLY AFTER PLANTING TO SETTLE SOIL.



LACY/SEMINOLE RAB - PLANT LIST

PLANT TYPE	QTY	SYMBOL	COMMON NAME	LATIN NAME	CONDITION	SPACING
Small Tree	3	AC	Amelanchier x grandiflora 'Aumtumn Brilliance'	Amalanchier x grandiflora ' Grandiflora'	B&B, 6', multi-stem	Per Plan
Perennial	29	BE	Bergamot (3-5' tall) -purple	Mondara fostulosa	B&B, 6', multi-stem	36" O.C. staggered
Perennial	213	BW	Butterfly Weed (1-2' tall) - orange	Asclepias tuberosa	1 GAL	18" O.C staggered
Perennial	170	WS	Western Sunflower (2-3' tall) - yellow	Helianthus occidentalis	1 GAL	24" O.C staggered
Perennial	174	PC	Purple Coneflower (3-4' tall) -purple	Echinacea purpea	1 GAL	24" O.C staggered
Perennial	75	SA	Sky Blue Aster (2-3' tall) -lavendar	Symphotrichum oolentangiense	1 GAL	24" O.C staggered
Perennial	140	SC	Stiff Coreopsis (2-3' tall) - yellow	Coreopsis palmata	1 GAL	24" O.C staggered
Ornamental Grass	102	LBS	Little Bluestem (2-3' tall)	Schizachyrium scoparium	1 GAL	36" O.C. staggered
Ornamental Grass	63	SWG	Switchgrass (3-6' tall)	Panicum virgatum 'Heavy Metal'	1 GAL	36" O.C. staggered
Mulch	4,537 SF	---	Shredded Hardwood Bark Mulch	---	---	---

LEGEND

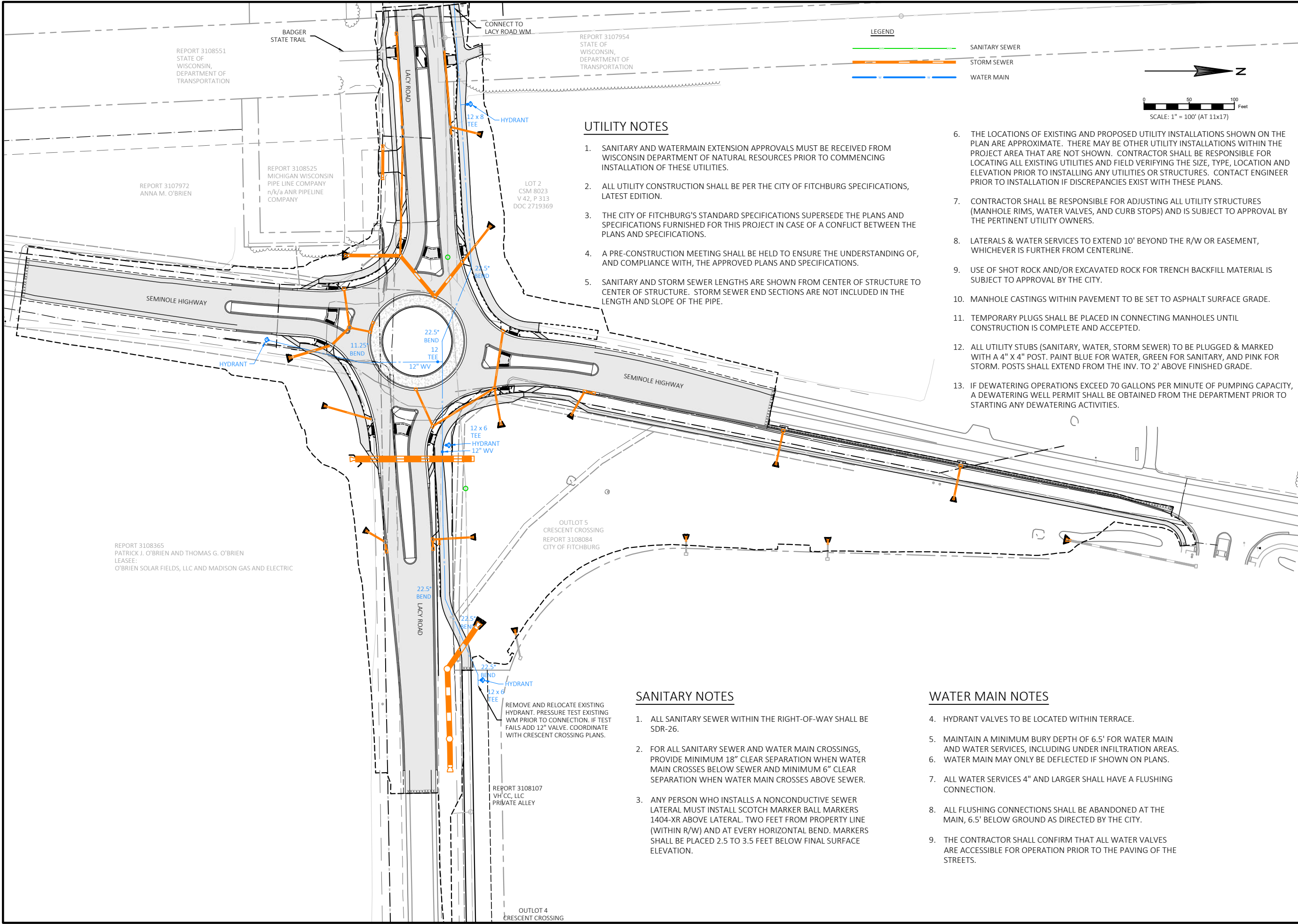


Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
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Revisions:

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FILE NAME : P:\01729_KL_ENGINEERING\0001_SEMINOLE-LACY_INTERSECTION\08_DRAWINGS\SHEETS\UTILITY PLAN.DWG
 PLOT BY : NATALIE MCCRAW
 PLOT DATE : 1/13/2023 1:18 PM



UTILITY NOTES

- SANITARY AND WATERMAIN EXTENSION APPROVALS MUST BE RECEIVED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES PRIOR TO COMMENCING INSTALLATION OF THESE UTILITIES.
- ALL UTILITY CONSTRUCTION SHALL BE PER THE CITY OF FITCHBURG SPECIFICATIONS, LATEST EDITION.
- THE CITY OF FITCHBURG'S STANDARD SPECIFICATIONS SUPERSEDE THE PLANS AND SPECIFICATIONS FURNISHED FOR THIS PROJECT IN CASE OF A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD TO ENSURE THE UNDERSTANDING OF, AND COMPLIANCE WITH, THE APPROVED PLANS AND SPECIFICATIONS.
- SANITARY AND STORM SEWER LENGTHS ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE NOT INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.

- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND FIELD VERIFYING THE SIZE, TYPE, LOCATION AND ELEVATION PRIOR TO INSTALLING ANY UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCIES EXIST WITH THESE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS) AND IS SUBJECT TO APPROVAL BY THE PERTINENT UTILITY OWNERS.
- LATERALS & WATER SERVICES TO EXTEND 10' BEYOND THE R/W OR EASEMENT, WHICHEVER IS FURTHER FROM CENTERLINE.
- USE OF SHOT ROCK AND/OR EXCAVATED ROCK FOR TRENCH BACKFILL MATERIAL IS SUBJECT TO APPROVAL BY THE CITY.
- MANHOLE CASTINGS WITHIN PAVEMENT TO BE SET TO ASPHALT SURFACE GRADE.
- TEMPORARY PLUGS SHALL BE PLACED IN CONNECTING MANHOLES UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED.
- ALL UTILITY STUBS (SANITARY, WATER, STORM SEWER) TO BE PLUGGED & MARKED WITH A 4" X 4" POST. PAINT BLUE FOR WATER, GREEN FOR SANITARY, AND PINK FOR STORM. POSTS SHALL EXTEND FROM THE INV. TO 2' ABOVE FINISHED GRADE.
- IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT PRIOR TO STARTING ANY DEWATERING ACTIVITIES.

SANITARY NOTES

- ALL SANITARY SEWER WITHIN THE RIGHT-OF-WAY SHALL BE SDR-26.
- FOR ALL SANITARY SEWER AND WATER MAIN CROSSINGS, PROVIDE MINIMUM 18" CLEAR SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" CLEAR SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
- ANY PERSON WHO INSTALLS A NONCONDUCTIVE SEWER LATERAL MUST INSTALL SCOTCH MARKER BALL MARKERS 1404-XR ABOVE LATERAL. TWO FEET FROM PROPERTY LINE (WITHIN R/W) AND AT EVERY HORIZONTAL BEND. MARKERS SHALL BE PLACED 2.5 TO 3.5 FEET BELOW FINAL SURFACE ELEVATION.

WATER MAIN NOTES

- HYDRANT VALVES TO BE LOCATED WITHIN TERRACE.
- MAINTAIN A MINIMUM BURY DEPTH OF 6.5' FOR WATER MAIN AND WATER SERVICES, INCLUDING UNDER INFILTRATION AREAS.
- WATER MAIN MAY ONLY BE DEFLECTED IF SHOWN ON PLANS.
- ALL WATER SERVICES 4" AND LARGER SHALL HAVE A FLUSHING CONNECTION.
- ALL FLUSHING CONNECTIONS SHALL BE ABANDONED AT THE MAIN, 6.5' BELOW GROUND AS DIRECTED BY THE CITY.
- THE CONTRACTOR SHALL CONFIRM THAT ALL WATER VALVES ARE ACCESSIBLE FOR OPERATION PRIOR TO THE PAVING OF THE STREETS.

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CITY OF FITCHBURG
UTILITY PLAN

Project No:	01729-0001
Date:	11-29-22
Designed By:	NAM
Drafted By:	NAM
Checked By:	DJH

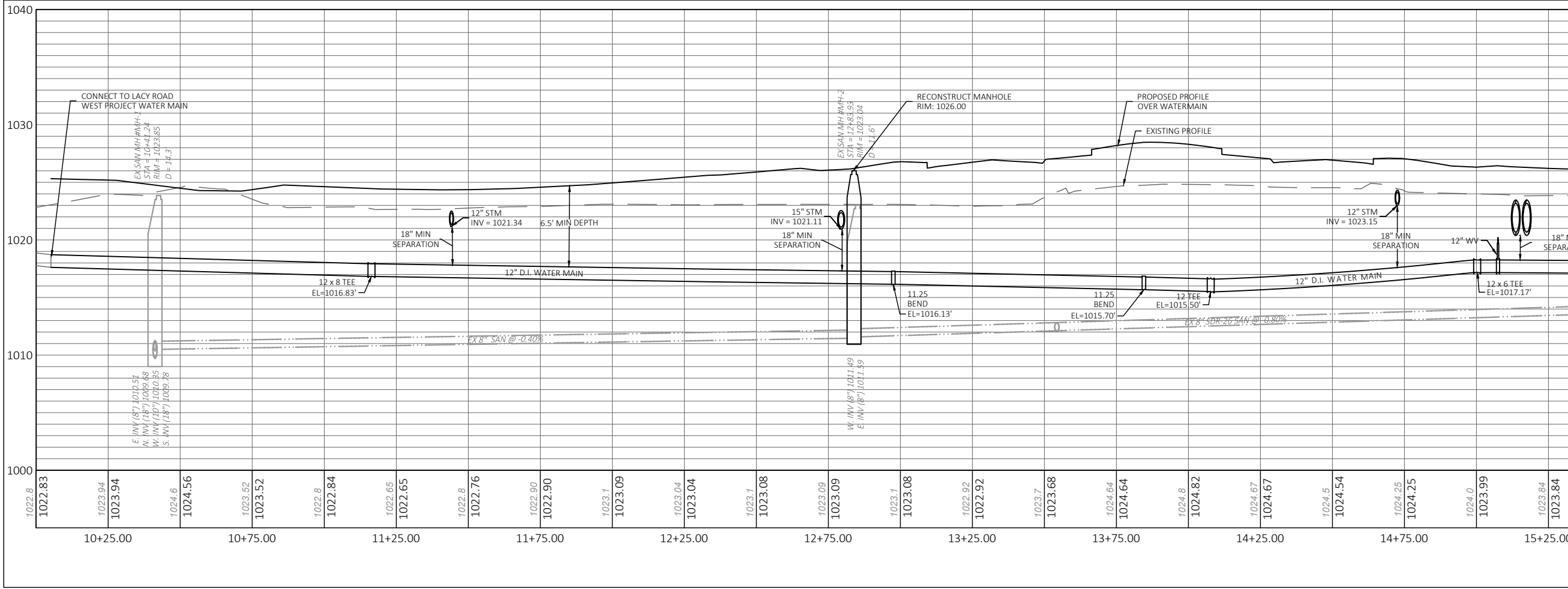
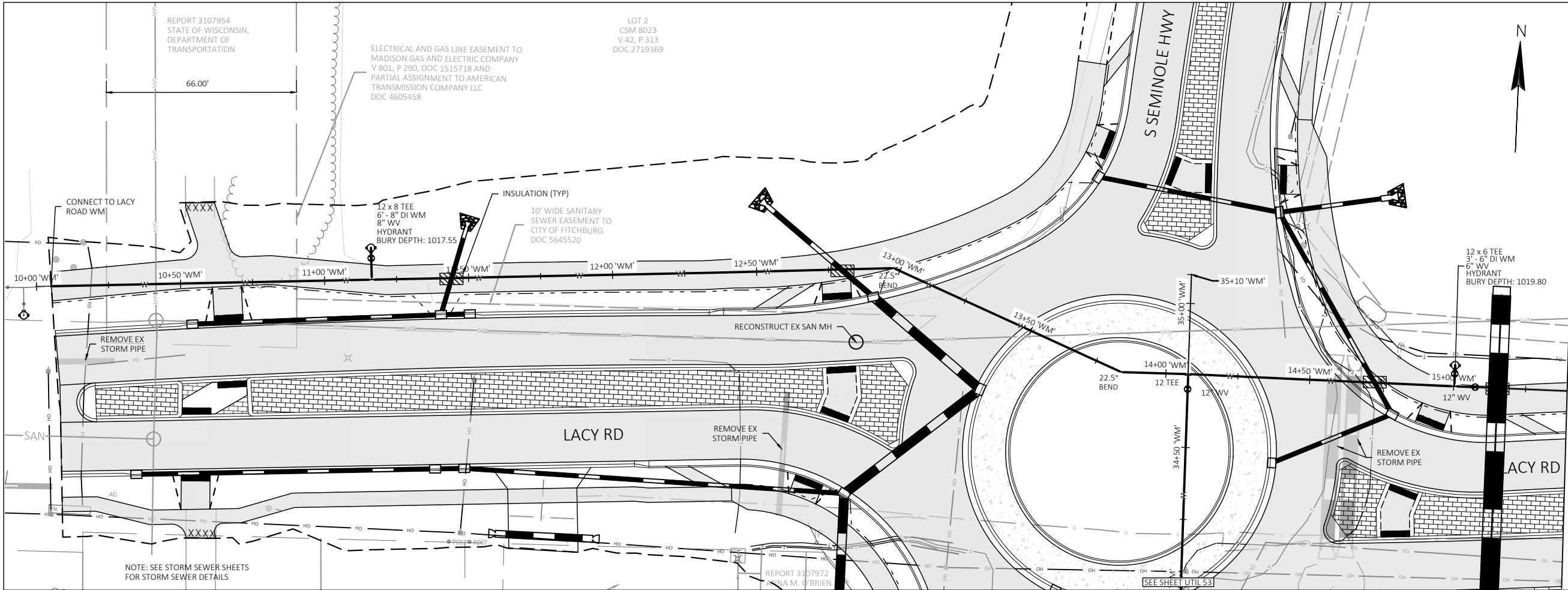
Revisions: XX-XX-XXXX

SHEET NO.

52 of 143

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FILE NAME : P:\01729_KL_ENGINEERING\0001_SEMINOLE_LACY_INTERSECTION\08_DRAWINGS\08_SHEETS\PLAN & PROFILE.DWG PLOT BY : NATALIE MCCRAW PLOT DATE : 1/13/2023 1:25 PM



15+39.42
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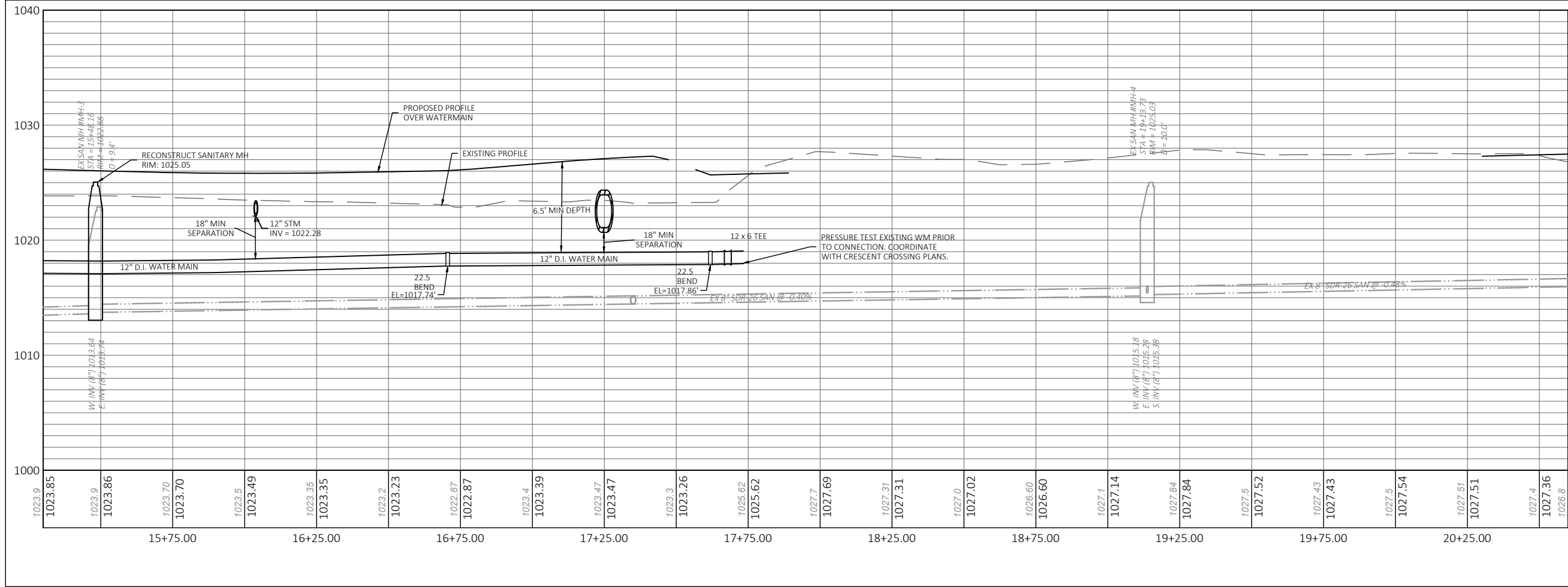
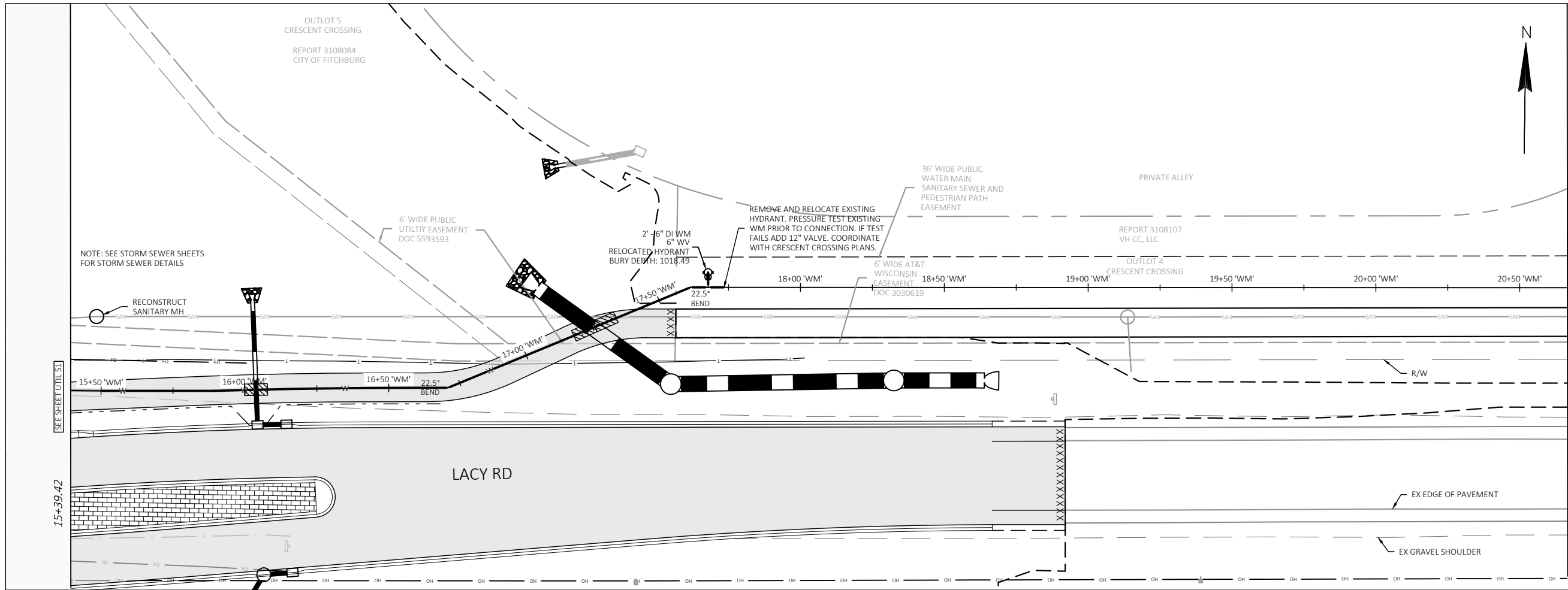
CITY OF FITCHBURG
LACY SANITARY & WATER
10+00 TO 15+29.88

Project No: 01729-0001
Date: 11-29-22
Designed By: NAM
Drafted By: NAM
Checked By: DJH

Revisions: XX-XX-XXXX

SHEET NO.
53 of 143

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CITY OF FITCHBURG

LACY SANITARY & WATER

15+29.98 TO 22+73.62

Project No: 01729-0001
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Drafted By: NAM
Checked By: DJH

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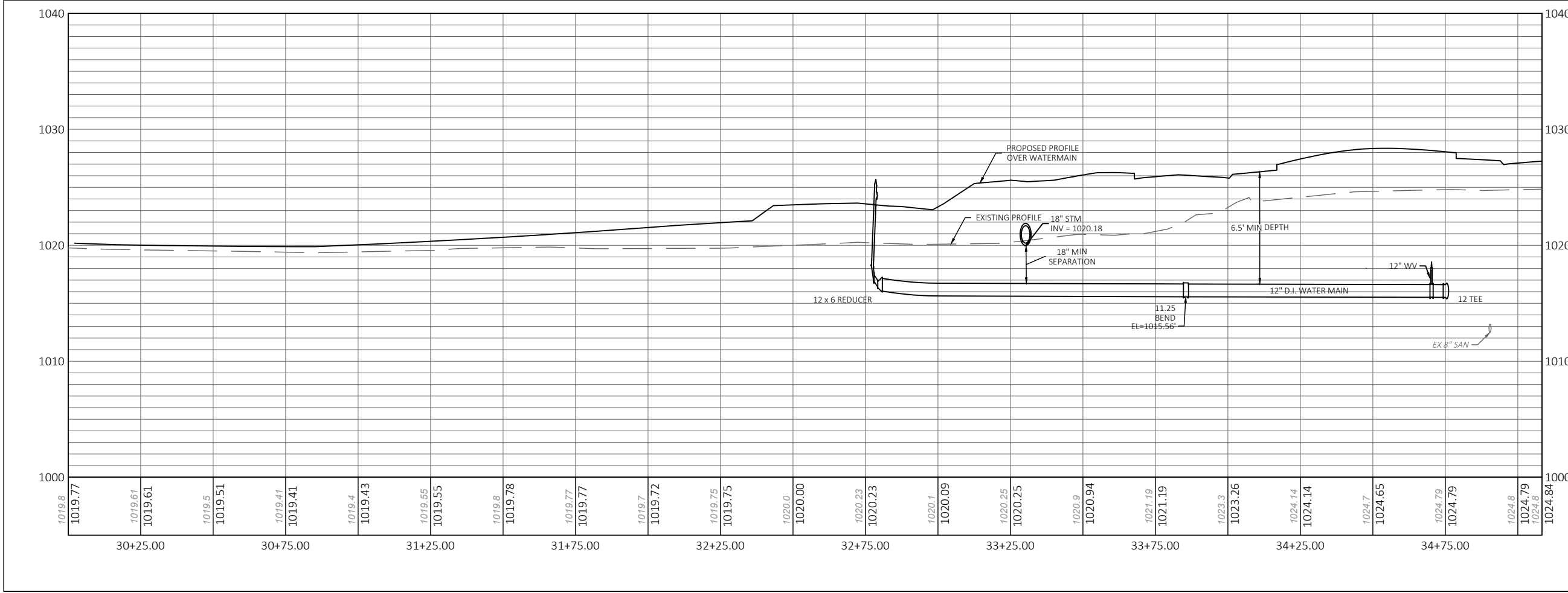
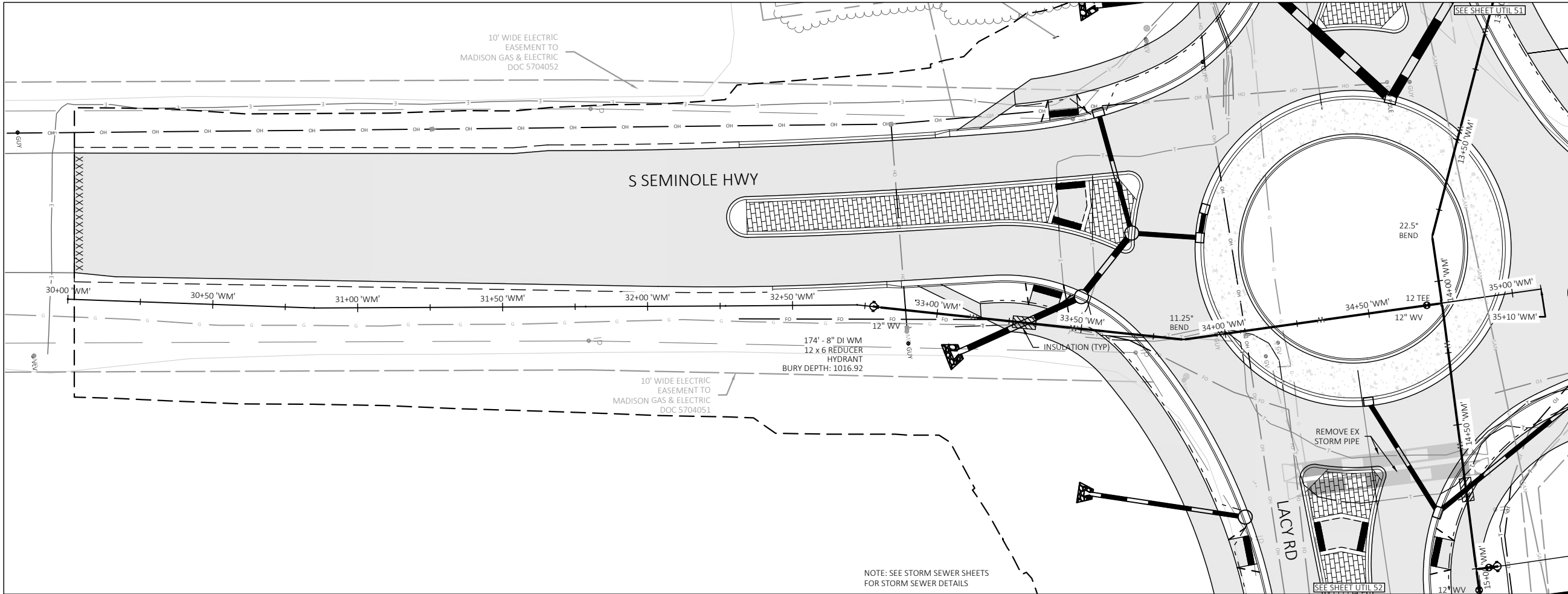
SHEET NO.
54 of 143

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FILE NAME : P:\01729_KL_ENGINEERING\0001_SEMINOLE-LACY_INTERSECTION\08_DRAWINGS\SHEETS\PLAN & PROFILE.DWG

PLOT DATE : 1/13/2023 1:25 PM



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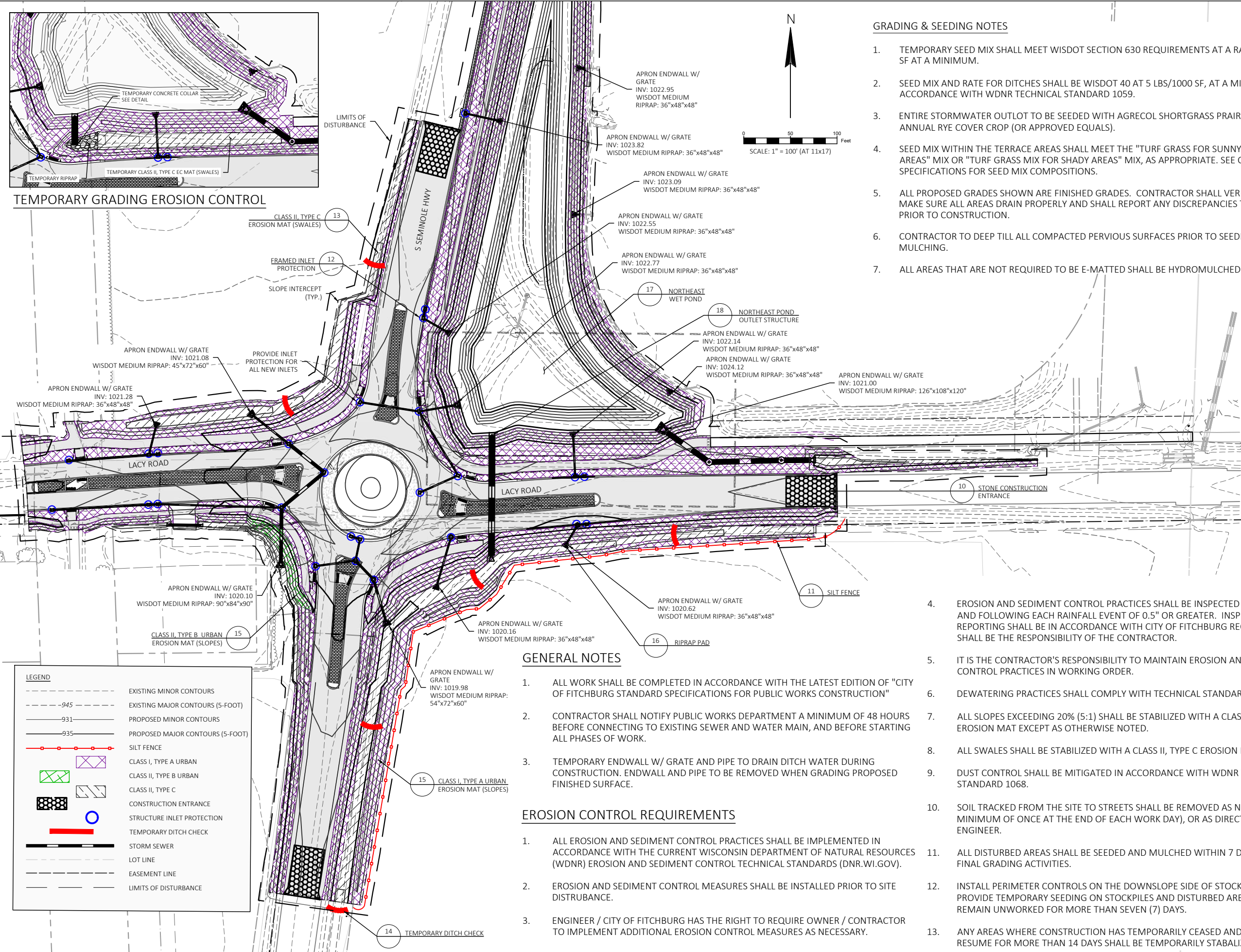
CITY OF FITCHBURG
SEMINOLE SANITARY & WATER
30+00 TO 35+07.35

Project No: 01729-0001
 Date: 11-29-22
 Designed By: NAM
 Drafted By: NAM
 Checked By: DJH

Revisions: XX-XX-XXXX

SHEET NO.
 55 of 143

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TEMPORARY GRADING EROSION CONTROL

LEGEND	
	EXISTING MINOR CONTOURS
	EXISTING MAJOR CONTOURS (5-FOOT)
	PROPOSED MINOR CONTOURS
	PROPOSED MAJOR CONTOURS (5-FOOT)
	SILT FENCE
	CLASS I, TYPE A URBAN
	CLASS II, TYPE B URBAN
	CLASS II, TYPE C
	CONSTRUCTION ENTRANCE
	STRUCTURE INLET PROTECTION
	TEMPORARY DITCH CHECK
	STORM SEWER
	LOT LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE

GRADING & SEEDING NOTES

1. TEMPORARY SEED MIX SHALL MEET WISDOT SECTION 630 REQUIREMENTS AT A RATE OF 3 LBS/1000 SF AT A MINIMUM.
2. SEED MIX AND RATE FOR DITCHES SHALL BE WISDOT 40 AT 5 LBS/1000 SF, AT A MINIMUM, IN ACCORDANCE WITH WDNr TECHNICAL STANDARD 1059.
3. ENTIRE STORMWATER OUTLOT TO BE SEEDED WITH AGRECOL SHORTGRASS PRAIRIE SEED MIX AND ANNUAL RYE COVER CROP (OR APPROVED EQUALS).
4. SEED MIX WITHIN THE TERRACE AREAS SHALL MEET THE "TURF GRASS FOR SUNNY TO PARTIAL SHADE AREAS" MIX OR "TURF GRASS MIX FOR SHADY AREAS" MIX, AS APPROPRIATE. SEE CITY OF FITCHBURG SPECIFICATIONS FOR SEED MIX COMPOSITIONS.
5. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SEEDING AND MULCHING.
7. ALL AREAS THAT ARE NOT REQUIRED TO BE E-MATTED SHALL BE HYDROMULCHED.

GENERAL NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF "CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"
2. CONTRACTOR SHALL NOTIFY PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO EXISTING SEWER AND WATER MAIN, AND BEFORE STARTING ALL PHASES OF WORK.
3. TEMPORARY ENDWALL W/ GRATE AND PIPE TO DRAIN DITCH WATER DURING CONSTRUCTION. ENDWALL AND PIPE TO BE REMOVED WHEN GRADING PROPOSED FINISHED SURFACE.

EROSION CONTROL REQUIREMENTS

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS (DNR.WI.GOV).
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
3. ENGINEER / CITY OF FITCHBURG HAS THE RIGHT TO REQUIRE OWNER / CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.

4. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED ONCE PER WEEK AND FOLLOWING EACH RAINFALL EVENT OF 0.5" OR GREATER. INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH CITY OF FITCHBURG REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES IN WORKING ORDER.
6. DEWATERING PRACTICES SHALL COMPLY WITH TECHNICAL STANDARD 1061.
7. ALL SLOPES EXCEEDING 20% (5:1) SHALL BE STABILIZED WITH A CLASS I, TYPE A URBAN EROSION MAT EXCEPT AS OTHERWISE NOTED.
8. ALL SWALES SHALL BE STABILIZED WITH A CLASS II, TYPE C EROSION MAT.
9. DUST CONTROL SHALL BE MITIGATED IN ACCORDANCE WITH WDNr TECHNICAL STANDARD 1068.
10. SOIL TRACKED FROM THE SITE TO STREETS SHALL BE REMOVED AS NEEDED (A MINIMUM OF ONCE AT THE END OF EACH WORK DAY), OR AS DIRECTED BY THE CITY ENGINEER.
11. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS FOLLOWING FINAL GRADING ACTIVITIES.
12. INSTALL PERIMETER CONTROLS ON THE DOWNSLOPE SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES AND DISTURBED AREAS WHICH ARE TO REMAIN UNWORKED FOR MORE THAN SEVEN (7) DAYS.
13. ANY AREAS WHERE CONSTRUCTION HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY STABILIZED.

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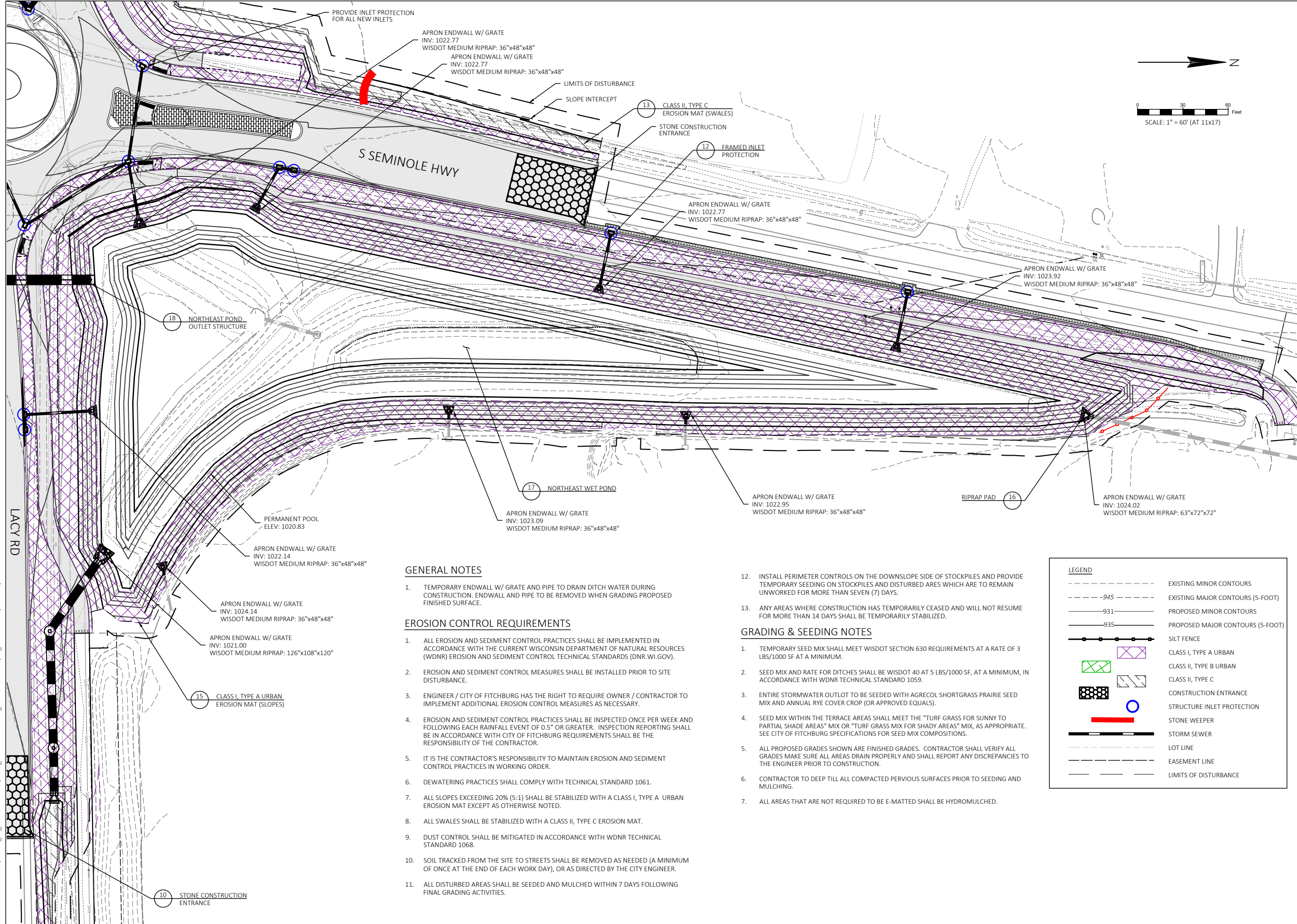
CITY OF FITCHBURG
GECP - OVERVIEW

Project No:	01729-0001
Date:	11-29-22
Designed By:	NAM
Drafted By:	NAM
Checked By:	DJH

Revisions: XX-XX-XXXX

SHEET NO.
56 of 143

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CITY OF FITCHBURG
NE STORMWATER

GENERAL NOTES

1. TEMPORARY ENDWALL W/ GRATE AND PIPE TO DRAIN DITCH WATER DURING CONSTRUCTION. ENDWALL AND PIPE TO BE REMOVED WHEN GRADING PROPOSED FINISHED SURFACE.

EROSION CONTROL REQUIREMENTS

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS (DNR.WI.GOV).
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
3. ENGINEER / CITY OF FITCHBURG HAS THE RIGHT TO REQUIRE OWNER / CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
4. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED ONCE PER WEEK AND FOLLOWING EACH RAINFALL EVENT OF 0.5" OR GREATER. INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH CITY OF FITCHBURG REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
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8. ALL SWALES SHALL BE STABILIZED WITH A CLASS II, TYPE C EROSION MAT.
9. DUST CONTROL SHALL BE MITIGATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
10. SOIL TRACKED FROM THE SITE TO STREETS SHALL BE REMOVED AS NEEDED (A MINIMUM OF ONCE AT THE END OF EACH WORK DAY), OR AS DIRECTED BY THE CITY ENGINEER.
11. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS FOLLOWING FINAL GRADING ACTIVITIES.

12. INSTALL PERIMETER CONTROLS ON THE DOWNSLOPE SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES AND DISTURBED AREAS WHICH ARE TO REMAIN UNWORKED FOR MORE THAN SEVEN (7) DAYS.
13. ANY AREAS WHERE CONSTRUCTION HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY STABILIZED.

GRADING & SEEDING NOTES

1. TEMPORARY SEED MIX SHALL MEET WISDOT SECTION 630 REQUIREMENTS AT A RATE OF 3 LBS/1000 SF AT A MINIMUM.
2. SEED MIX AND RATE FOR DITCHES SHALL BE WISDOT 40 AT 5 LBS/1000 SF, AT A MINIMUM, IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059.
3. ENTIRE STORMWATER OUTLOT TO BE SEEDED WITH AGRECOL SHORTGRASS PRAIRIE SEED MIX AND ANNUAL RYE COVER CROP (OR APPROVED EQUALS).
4. SEED MIX WITHIN THE TERRACE AREAS SHALL MEET THE "TURF GRASS FOR SUNNY TO PARTIAL SHADE AREAS" MIX OR "TURF GRASS MIX FOR SHADY AREAS" MIX, AS APPROPRIATE. SEE CITY OF FITCHBURG SPECIFICATIONS FOR SEED MIX COMPOSITIONS.
5. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO DEEP TILL ALL COMPACTED PVIOUS SURFACES PRIOR TO SEEDING AND MULCHING.
7. ALL AREAS THAT ARE NOT REQUIRED TO BE E-MATTED SHALL BE HYDROMULCHED.

LEGEND

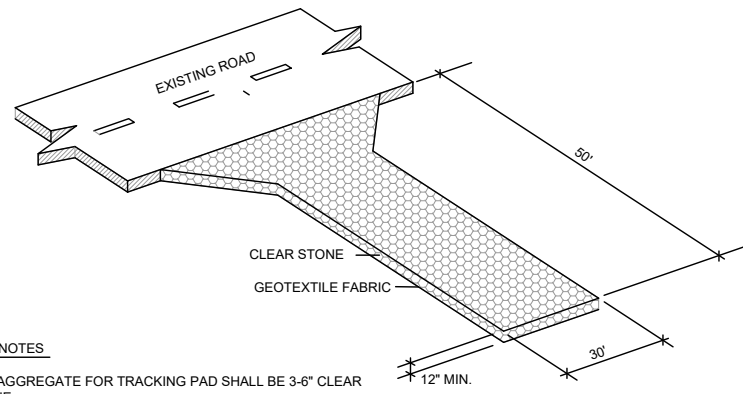
	EXISTING MINOR CONTOURS
	EXISTING MAJOR CONTOURS (5-FOOT)
	PROPOSED MINOR CONTOURS
	PROPOSED MAJOR CONTOURS (5-FOOT)
	SILT FENCE
	CLASS I, TYPE A URBAN
	CLASS II, TYPE B URBAN
	CLASS II, TYPE C
	CONSTRUCTION ENTRANCE
	STRUCTURE INLET PROTECTION
	STONE WEEPER
	STORM SEWER
	LOT LINE
	EASEMENT LINE
	LIMITS OF DISTURBANCE

Project No: 01729-0001
 Date: 11-29-22
 Designed By: NAM
 Drafted By: NAM
 Checked By: DJH

Revisions: XX-XX-XXXX

SHEET NO.
 57 of 143

3	
4	
5	
1	DATE
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MATERIAL NOTES

1. THE AGGREGATE FOR TRACKING PAD SHALL BE 3-6" CLEAR STONE.
2. THE TRACKING PAD SHALL BE UNDERLAIN WITH A WDOT TYPE HR GEOTEXTILE FABRIC.

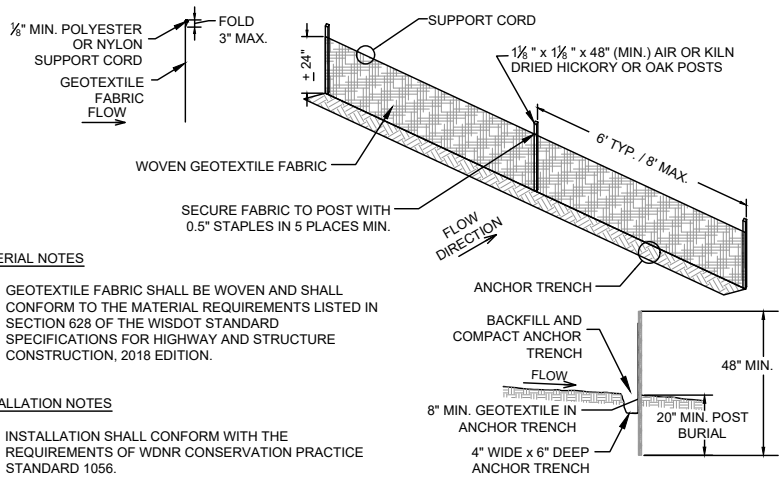
INSTALLATION NOTES

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1057.
2. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. STONE TRACKING PAD SHALL BE USED AT ALL POINTS OF CONSTRUCTION EGRESS.
3. DIMENSIONS OF THE TRACKING PAD SHALL BE MINIMUM AS NOTED ON THE FIGURE ABOVE.
4. SURFACE WATER SHALL BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM USING CULVERTS OR OTHER PRACTICES.
5. TRACKING PAD SHALL BE REMOVED OR INCORPORATED INTO GRAVEL DRIVEWAY ONLY AFTER CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED.

INSPECTION & MAINTENANCE NOTES

1. STONE TRACKING PADS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
2. ADDITIONAL AGGREGATE SHALL BE PLACED IF THE TRACKING PAD BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM THE VEHICLE TIRES.
3. A MINIMUM 30-FEET WIDE BY 50-FEET LONG BY 12-INCH THICK PAD SHALL BE MAINTAINED AT ALL TIMES.
4. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING AT THE END OF EACH WORKING DAY.
6. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.

10 CONSTRUCTION ENTRANCE (STONE TRACKING PAD OR APPROVED EQUAL)



MATERIAL NOTES

1. GEOTEXTILE FABRIC SHALL BE WOVEN AND SHALL CONFORM TO THE MATERIAL REQUIREMENTS LISTED IN SECTION 628 OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2018 EDITION.

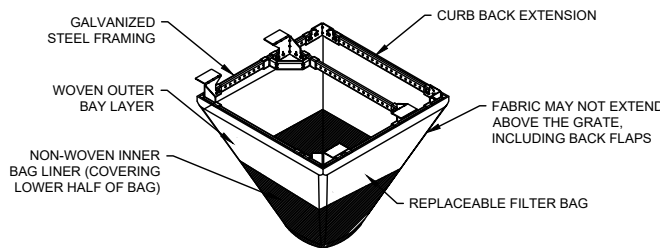
INSTALLATION NOTES

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1056.
2. CONSTRUCT THE SILT FENCE IN AN ARC WITH THE ENDS POINTING UPSLOPE TO AVOID EROSION AROUND THE ENDS OF THE FENCE.
3. FAILURE TO PROPERLY ANCHOR SILT FENCE COULD RESULT IN WATER AND SEDIMENT RELEASE BENEATH THE SILT FENCE. PROPERLY SECURE THE SILT FENCE INTO THE ANCHOR TRENCH.
4. CONSTRUCT THE FENCE FROM A CONTINUOUS ROLL OF GEOTEXTILE TO AVOID JOINTS. WHERE JOINTS ARE NECESSARY, OVERLAP TO THE NEXT POST OR WRAP ADJOINING FABRICS TOGETHER AROUND THE JOINT POST AND TIGHTLY FASTEN.
5. SILT FENCE SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.

INSPECTION & MAINTENANCE NOTES

1. AT A MINIMUM, PERFORM INSPECTIONS WEEKLY AND WITHIN 24 HOURS OF PRECIPITATION EVENTS PRODUCING 0.5 INCHES OR MORE OF RAINFALL.
2. INSPECT FENCES FOR DAMAGE TO STAKES AND FABRIC, UNDERCUTTING, EXCESSIVE SEDIMENT ACCUMULATION (GREATER THAN 1/2 OF THE FENCE HEIGHT), AND INDICATIONS OF SCOUR AROUND THE EDGES.
3. REPAIR OR REPLACE SILT FENCE WITHIN 24 HOURS OF IDENTIFYING AND DEFICIENCIES.

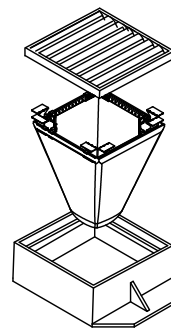
11 SILT FENCE



CATCH-IT INLET FILTER (Temporary Inlet Protection)							
Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft ²)	Flow Ratings (CFS)		ADS P/N
					HB (Hybrid Bag)	Bypass	
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEXTHB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3618HB
R-2501	Round (RD)	~26	~24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

(HB) HYBRID FILTER BAG SPECIFICATIONS:

Woven and Non-Woven Geotextile Filter Bag Properties (Minimum Average Ball Values)			
PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (INNER)
TENSILE STRENGTH	ASTM D4632	200 x 225 Lbs	100 Lbs
ELONGATION	ASTM D4632	20% x 25%	50%
ONE PUNCTURE	ASTM D4634	300 Lbs	85 Lbs
TRAPEZOIDAL TEAR	ASTM D4633	110 x 75 Lbs	45 Lbs
UV RESISTANCE	ASTM D4355	90%	70%
OPENING SIZE (AOS)	ASTM D4754	20 U.S. STD. SIEVE	40 U.S. STD. SIEVE
PERMEABILITY	ASTM D4403	1.5 sec ⁻¹	2.0 sec ⁻¹
WATER FLOW RATE	ASTM D4403	200 gal/min/ft ²	140 gal/min/ft ²
MINIMUM FILTER BAG VOLUME		2 CUBIC FT	



INSTALLATION NOTES

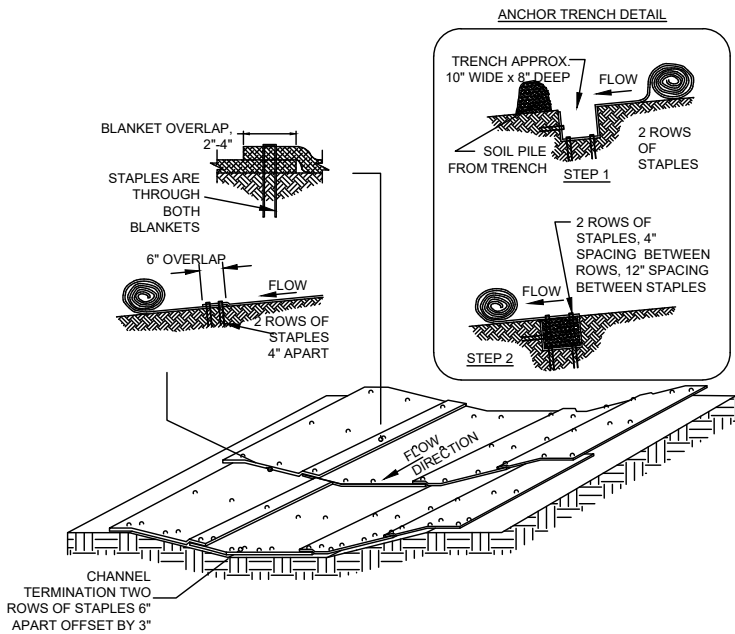
1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE.
2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE.
3. DROP THE INLET FILTER THROUGH THE CLEAN OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.
4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8".

MAINTENANCE NOTES

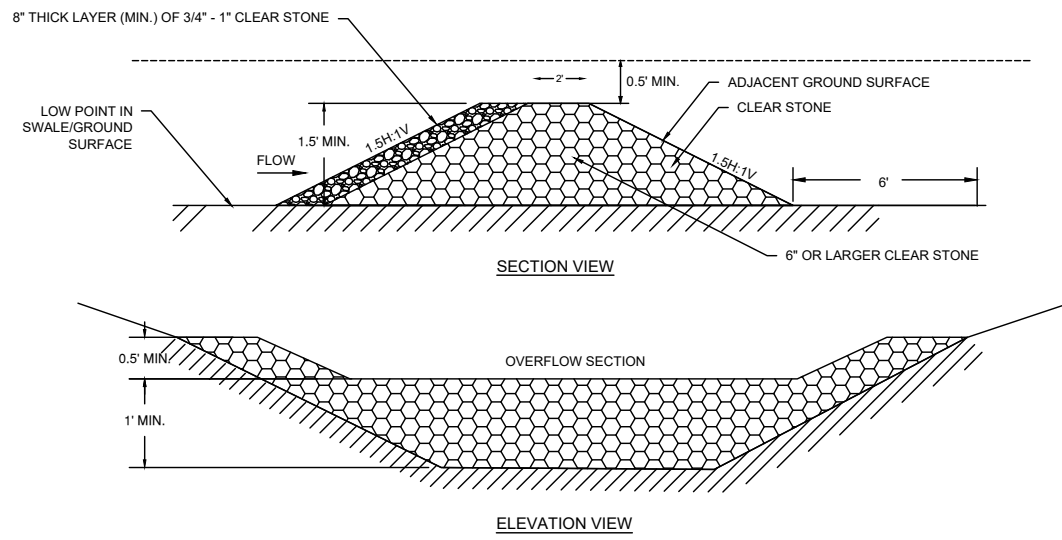
1. EMPTY THE SEDIMENT BAG IF IT IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS.
2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
3. DISPOSE OF SEDIMENT AND DEBRIS AS DIRECTED BY THE ENGINEER OR MAINTENANCE CONTRACT.
4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG.

12 INLET PROTECTION, FRAMED (FLEXTORM CATCH-IT), TO MEET DANE COUNTY EROSION CONTROL STANDARDS

FILE NAME: P:\01729_KL_ENGINEERING\0001_SEMINOLE_LACY_INTERSECTION\08_DRAWINGS\SHEETS\EROSION CONTROL DETAILS.DWG PLOT DATE: 1/13/2023 1:33 PM PLOT BY: NATALIE MCCRAW



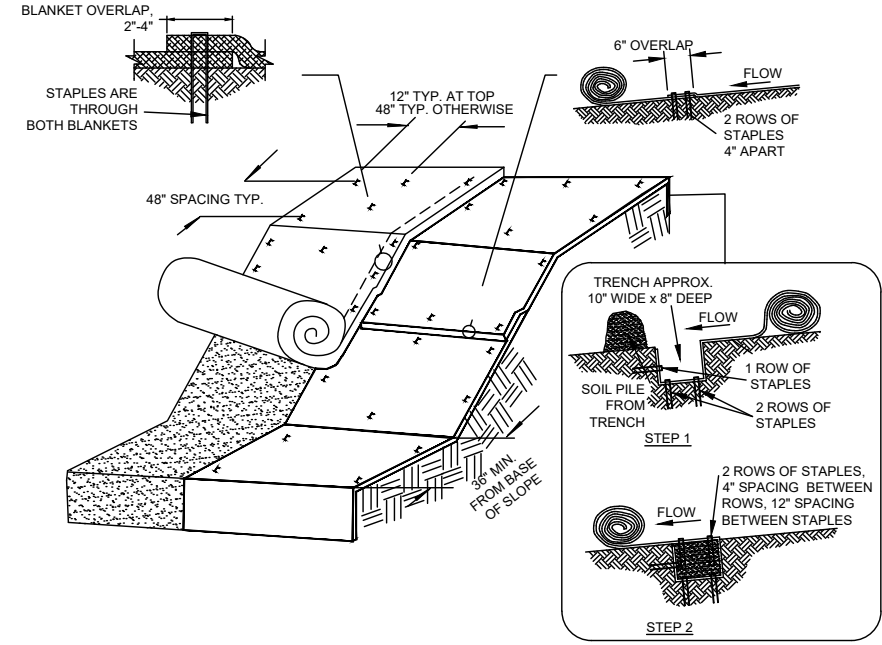
13 EROSION CONTROL MAT (SWALES)



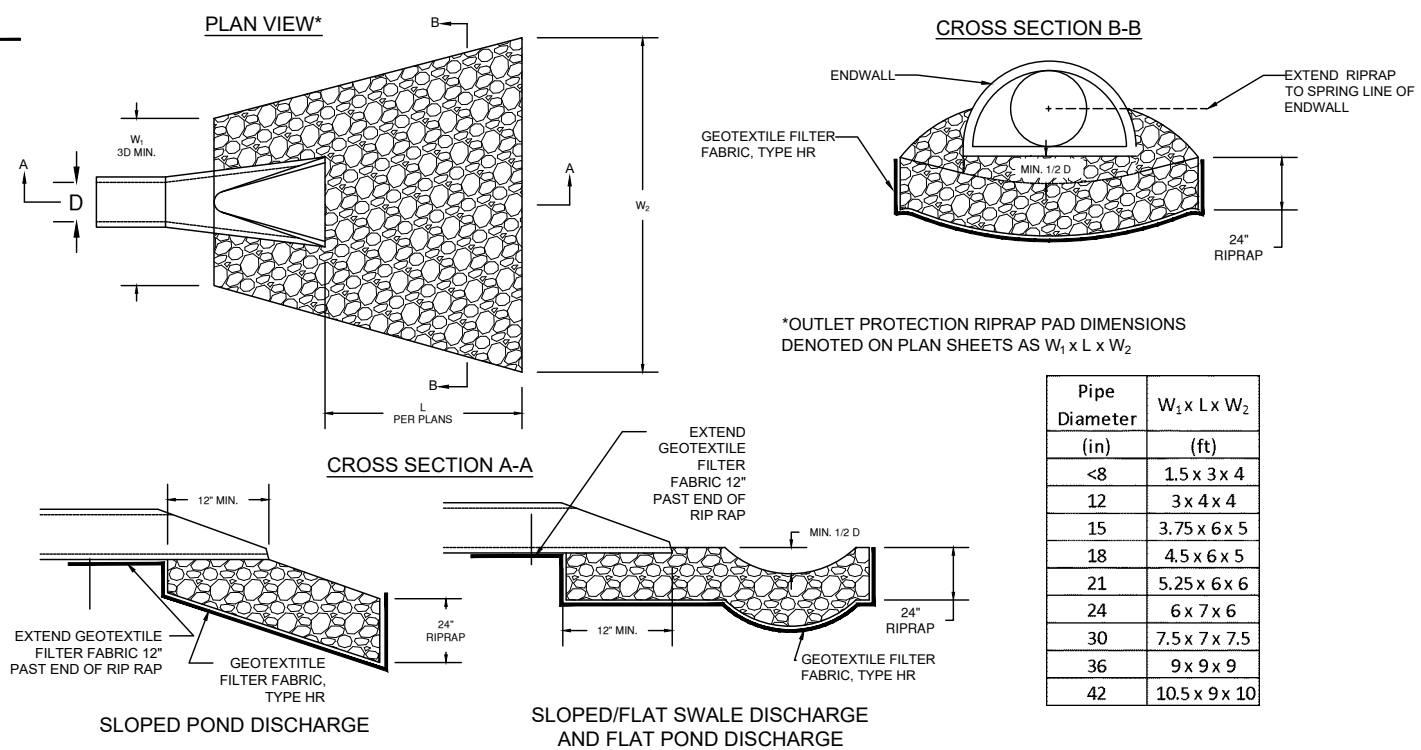
- MATERIAL NOTES**
- CHECK DAM SHALL BE CONSTRUCTED USING 6" OR LARGER CLEAR STONE.
- INSTALLATION NOTES**
- CHECK DAM SHALL BE INSTALLED SUCH THAT ENDS ARE HIGHER THAN THE CENTER CREATING A STABLE OVERFLOW POINT. ENDS SHOULD BE MINIMUM OF 6" HIGHER THAN THE EXPECTED DESIGN WATER LEVEL.
 - IF CHECK DAM IS USED ON A TEMPORARY SEDIMENT TRAP, A SUMP AREA WITH A MINIMUM DEPTH OF 3 FEET SHALL BE EXCAVATED UPSTREAM OF CHECK DAM.

14 STONE WEEPER/ROCK CHECK DAM

- MATERIAL NOTES**
- EROSION MAT SHALL MEET TYPE II, CLASS C (RoLanka's BioD-Mat 70 OR APPROVED EQUAL) FOR CHANNEL AREAS.
 - EROSION MAT FOR CHANNEL AREAS SHALL BE SECURED USING ROUND TOP METAL STAPLE WITH A MINIMUM OF EIGHT (8) INCHES IN LENGTH AND 11 GA.
 - ONLY PRODUCTS LISTED IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) ARE ACCEPTABLE FOR USE.
 - 6 INCHES LONG FOR FIRM SOILS AND 12 INCHES LONG FOR LOOSE SOILS.
- INSTALLATION NOTES**
- INSTALLATION OF ECRM SHOULD BE COORDINATED WITH PERMANENT RESTORATION PRACTICES.
 - INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1053.
 - ALL PRODUCTS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
 - MATS SHALL EXTEND UPSLOPE 2-FT VERTICALLY FROM THE DITCH BOTTOM OR 6 INCHES HIGHER THAN THE DESIGN FLOW DEPTH, WHICHEVER IS GREATER.
 - MATS SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL.
 - WHEN POSSIBLE, AVOID PLACING SIDE-BY-SIDE LAP JOINTS IN THE BOTTOM OF CHANNELS.
- INSPECTION & MAINTENANCE NOTES**
- MAT SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 - INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
 - ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.



15 EROSION CONTROL MAT (SLOPES)



- NOTES:**
- RIPRAP SHALL BE WISDOT SMALL RIP RAP FOR PIPES LESS THAN 12- INCHES IN DIAMETER AND WISDOT MEDIUM RIP RAP FOR PIPES GREATER THAN OR EQUAL TO 12-INCHES IN DIAMETER.
 - RIPRAP SHALL BE INSTALLED PER THE REQUIREMENTS OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT, 2019).
 - RIPRAP SHALL BE SHAPED TO CREATE A STILLING BASIN BASIN DEPTH TO BE 1-FOOT BELOW PIPE INVERT FOR PIPES 30-INCH AND LARGER, 0.5-FOOT FOR SMALLER PIPES.
 - INSTALL END SECTION PER CITY OF FITCHBURG STANDARDS. TWO JOINT TIES ARE REQUIRED FOR LAST (DOWNSTREAM) TWO JOINTS ON ANY PIPE ENDING IN AN APRON ENDWALL.
 - RIPRAP SHALL EXTEND TO TOE OF SLOPE MIN.

16 RIPRAP PAD

- MATERIAL NOTES**
- EROSION MAT SHALL MEET TYPE I, URBAN, CLASS A (EXCEL SR-1 ALL NATURAL OR APPROVED EQUAL) FOR NON-CHANNEL AREAS.
 - EROSION MAT FOR NON-CHANNEL AREAS SHALL BE SECURED WITH A BIODEGRADABLE PLASTIC EROSION MAT STAKE A MINIMUM OF FOUR (4") INCHES IN LENGTH WITH A BARBED HEAD.
 - ANCHORING DEVICES FOR URBAN MATS SHALL BE SELECTED BASED UPON THE REQUIREMENTS OF THE WISDOT PAL.
- INSTALLATION NOTES**
- INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1052.
 - EROSION MAT SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL AND EXTEND UPSLOPE ONE-FOOT FROM LAND DISTURBANCE.
 - EROSION MAT SHALL BE ANCHORED, OVERLAPPED, STAKED AND ENTRENCHED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
 - WHERE POSSIBLE, USE A SINGLE ROLL OF EROSION CONTROL MAT TO SPAN THE DISTURBED AREA.
- INSPECTION & MAINTENANCE NOTES**
- AT A MINIMUM, PERFORM INSPECTIONS WEEKLY AND WITHIN 24 HOURS OF PRECIPITATION EVENTS PRODUCING 0.5 INCHES OR MORE OF RAINFALL.
 - INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
 - ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.

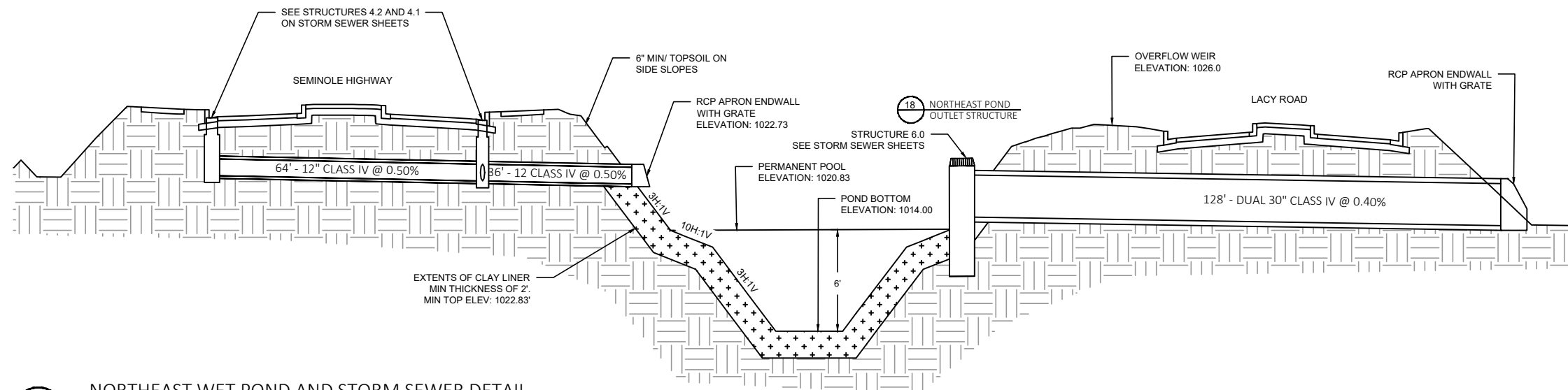
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CITY OF FITCHBURG
 EROSION CONTROL
 DETAILS 2

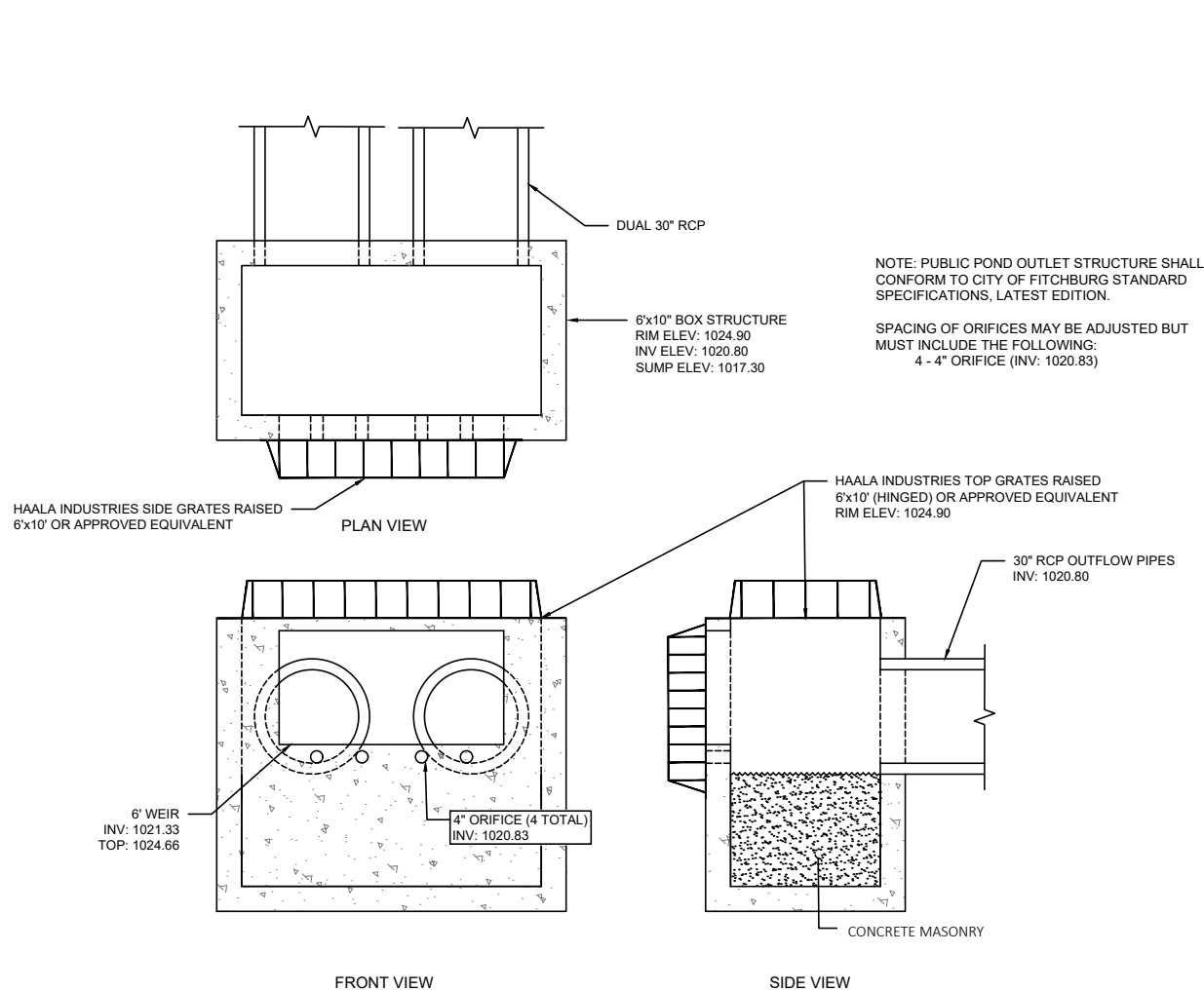
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Revisions: XX-XX-XXXX

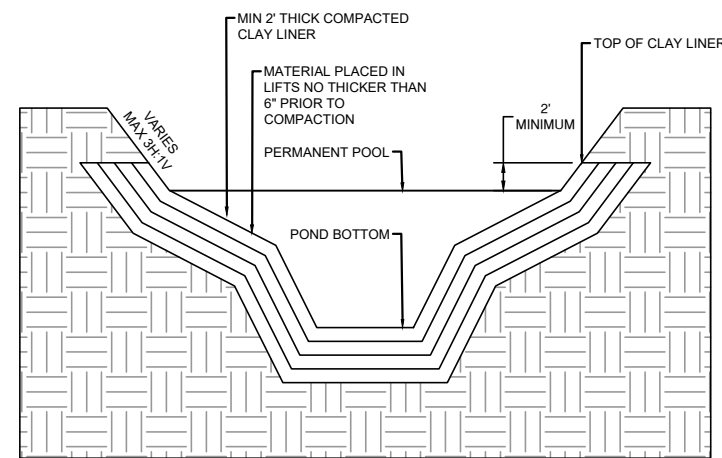
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17 NORTHEAST WET POND AND STORM SEWER DETAIL



18 NORTHEAST POND OUTLET STRUCTURE



19 COMPACTED CLAY LINER

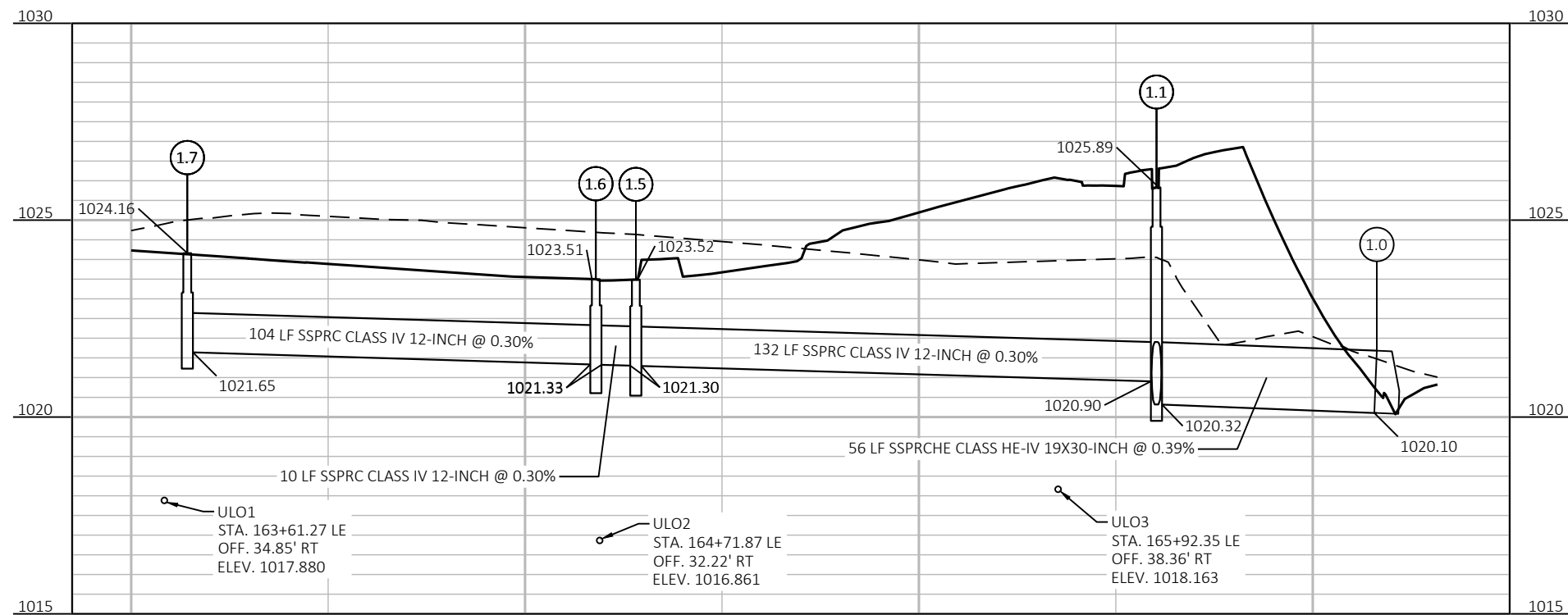
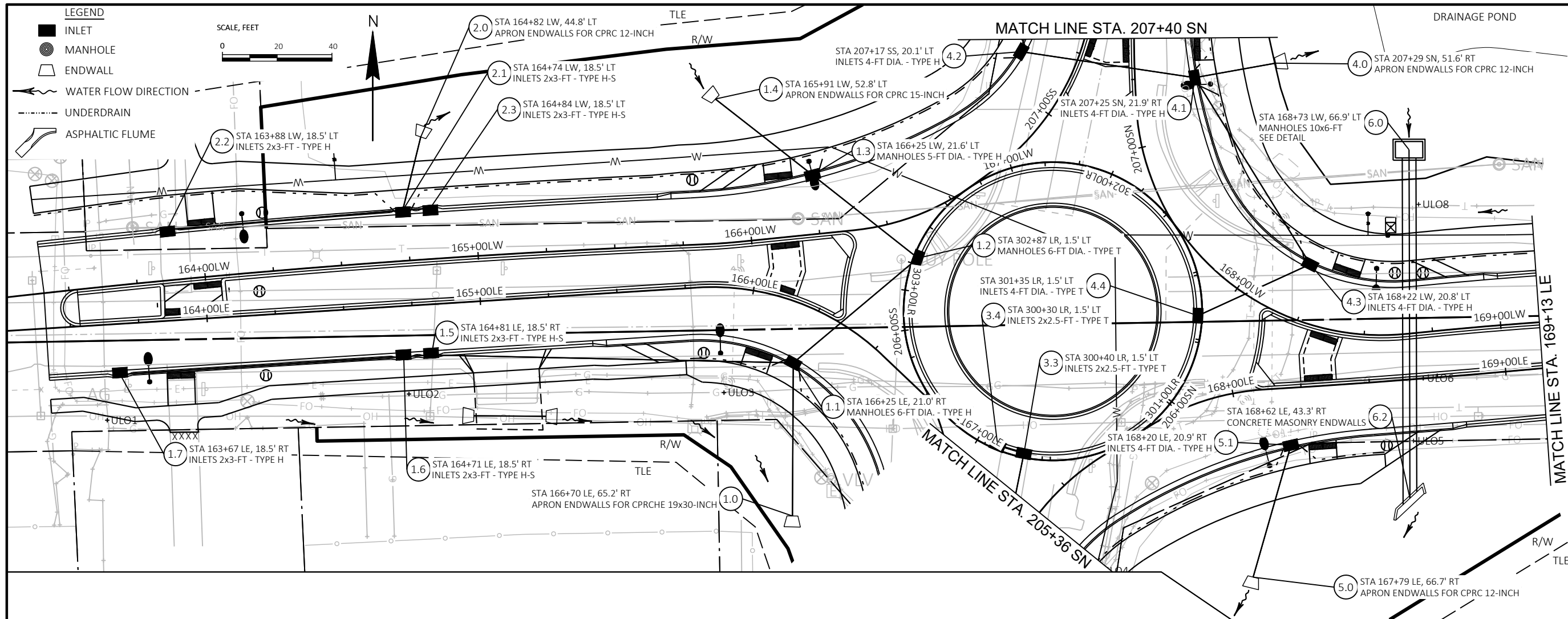
STORMWATER NOTES:

1. ENTIRE STORMWATER AREA IS TO BE SEEDED WITH AGRECOL SHORTGRASS PRAIRIE SEED MIX AND COVER CROP OF ANNUAL RYE (OR APPROVED EQUALS).
2. CLAY LINER CRITERIA
 - 2.1. 50% FINES (200 SIEVE) OR MORE.
 - 2.2. AN IN-PLACE HYDRAULIC CONDUCTIVITY OF 1×10^{-6} CM./SEC. OR LESS.
 - 2.3. AVERAGE LIQUID LIMIT VALUE OF 16 OR GREATER, WITH NO VALUE LESS THAN 14.
 - 2.4. AVERAGE PI OF 7 OR MORE WITH NO VALUES LESS THAN 5.
 - 2.5. CLAY COMPACTION AND DOCUMENTATION AS SPECIFIED IN NRCS WISCONSIN CONSTRUCTION SPECIFICATION 204, EARTHFILL FOR WASTE STORAGE FACILITIES.
 - 2.6. MINIMUM THICKNESS OF TWO FEET.
3. A CLAY LINER SHALL BE INSTALLED AS DESIGNATED ON THE DRAWINGS. THIS WORK SHALL CONSIST OF CONSTRUCTING AN IMPERMEABLE EARTHLINER FOR THE INSIDE SLOPES AND THE BOTTOM OF THE EARTHEN BASIN TO THE THICKNESS SHOWN ON THE DRAWINGS. ONLY SOILS APPROVED BY THE TECHNICIAN WILL BE USED.
4. THE LINER FILL SHALL BE PLACED IN LAYERS WITH A MAXIMUM THICKNESS OF 6 INCHES PRIOR TO COMPACTION. THE LINER MATERIAL SHALL BE DISKED OR WORKED IN SUCH A MANNER AS TO OBTAIN A MAXIMUM CLOD SIZE OF 4 INCHES PRIOR TO COMPACTION. EACH LAYER SHALL BE COMPACTED BY A MINIMUM OF ONE PASS OVER THE ENTIRE SURFACE OF THE FILL BY A FULLY-LOADED RUBBER-TIRED FRONT END LOADER OR SCRAPER OR A SHEEPSFOOT OR TAMPING ROLLER. SMOOTH DRUM ROLLERS ARE NOT SUITABLE FOR COMPACTION OF CLAY LINERS. OPERATION OF THE COMPACTION EQUIPMENT WILL BE CONTINUOUS OVER THE ENTIRE AREA DURING FILL OPERATIONS. ANY LINER AREA DISTURBED BY SUBSEQUENT CONSTRUCTION OPERATIONS WILL BE SCARIFIED AND RECOMPACTED AS SPECIFIED.

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\022501_SS_SHIFTS.DWG

PLOT DATE: 9/22/2022 12:15 PM

PLOT BY: BRIAN ST. VINCENT



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CITY OF FITCHBURG
STORM SEWER

Project No: 22-3495
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 Checked By: DR

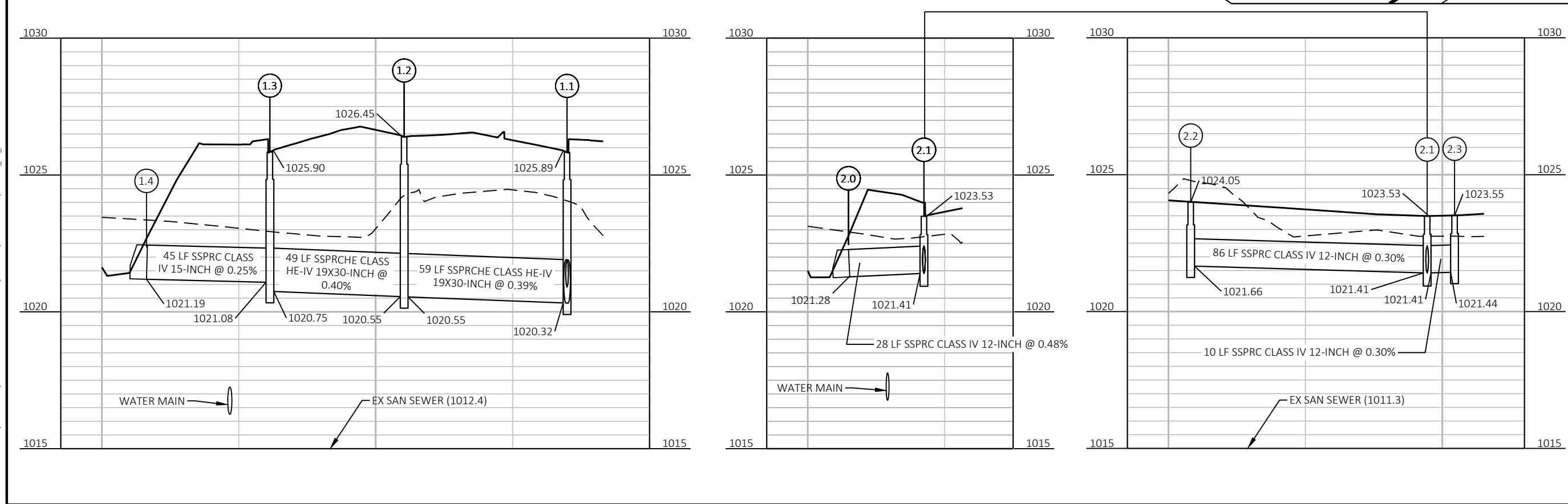
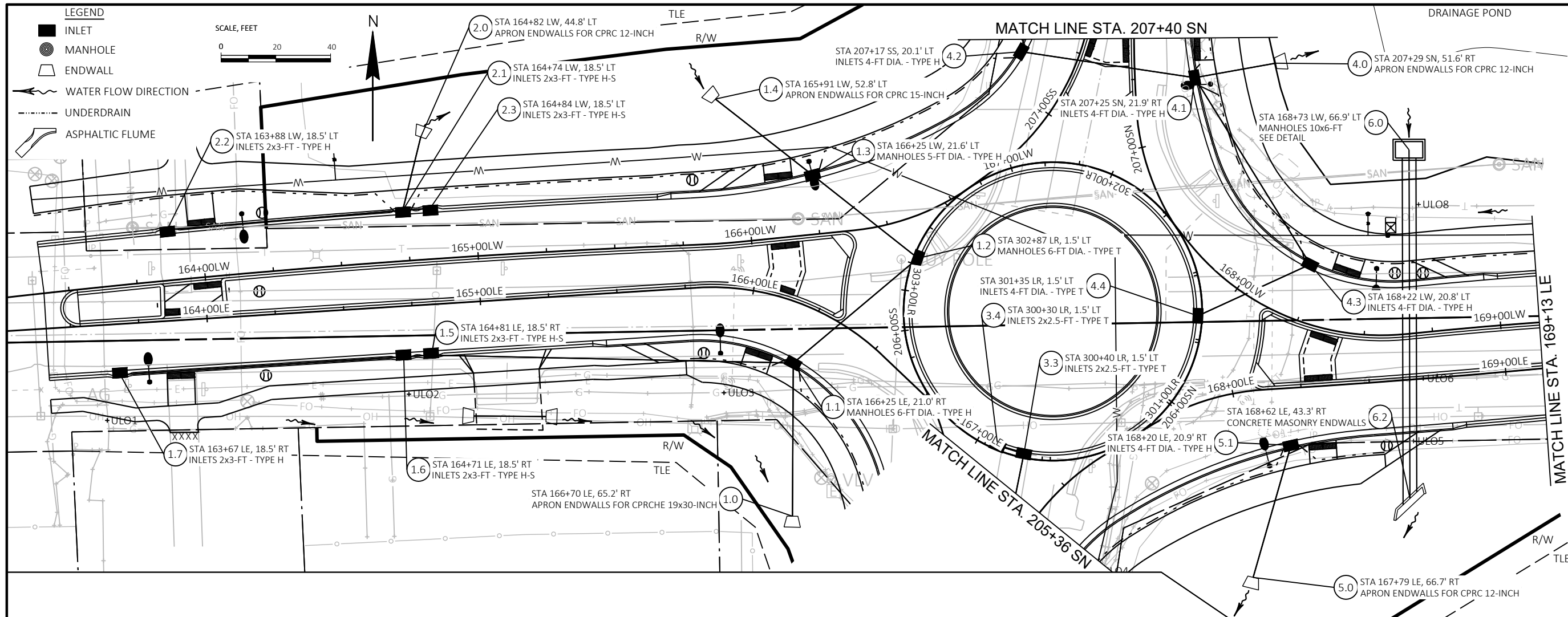
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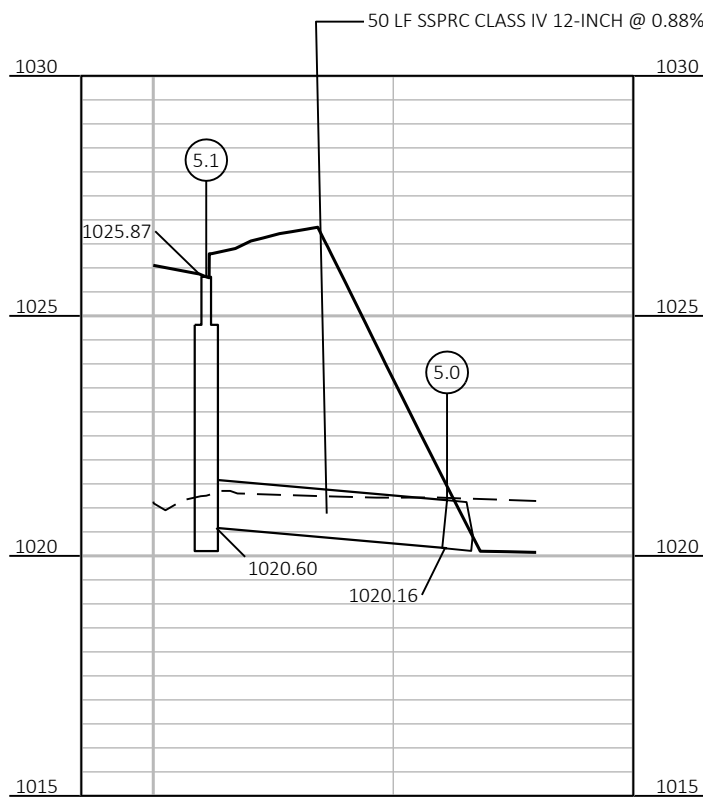
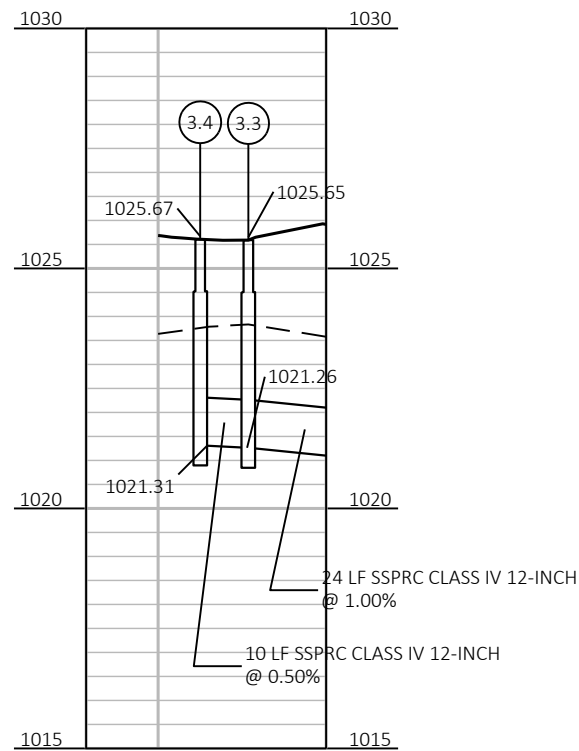
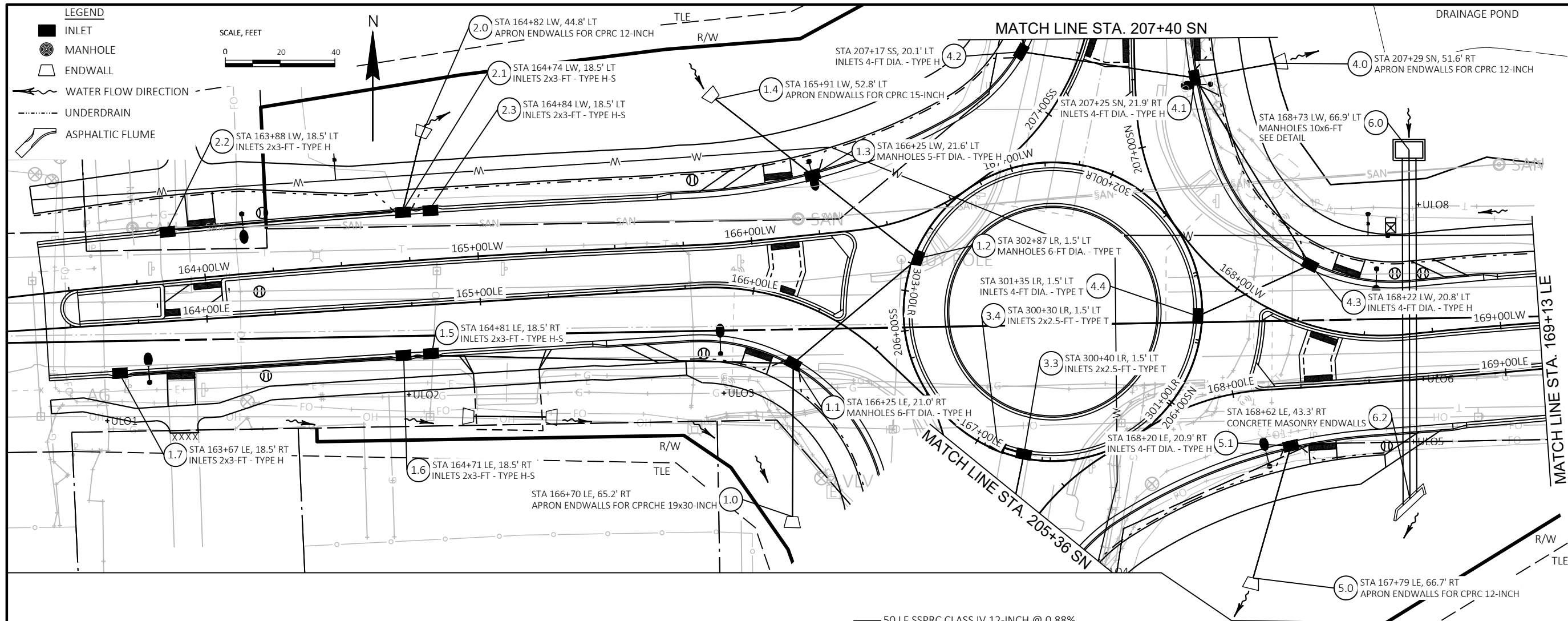
CITY OF FITCHBURG

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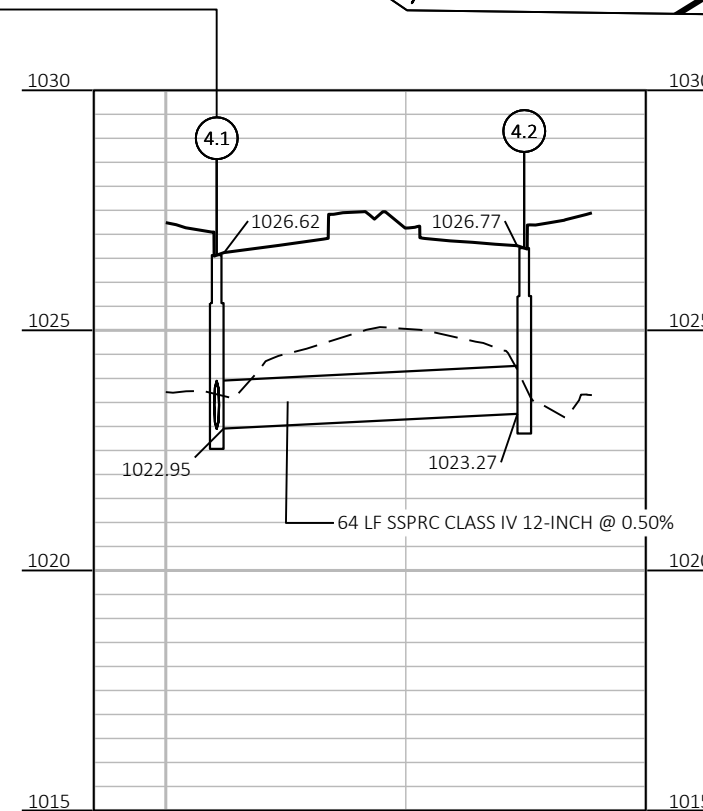
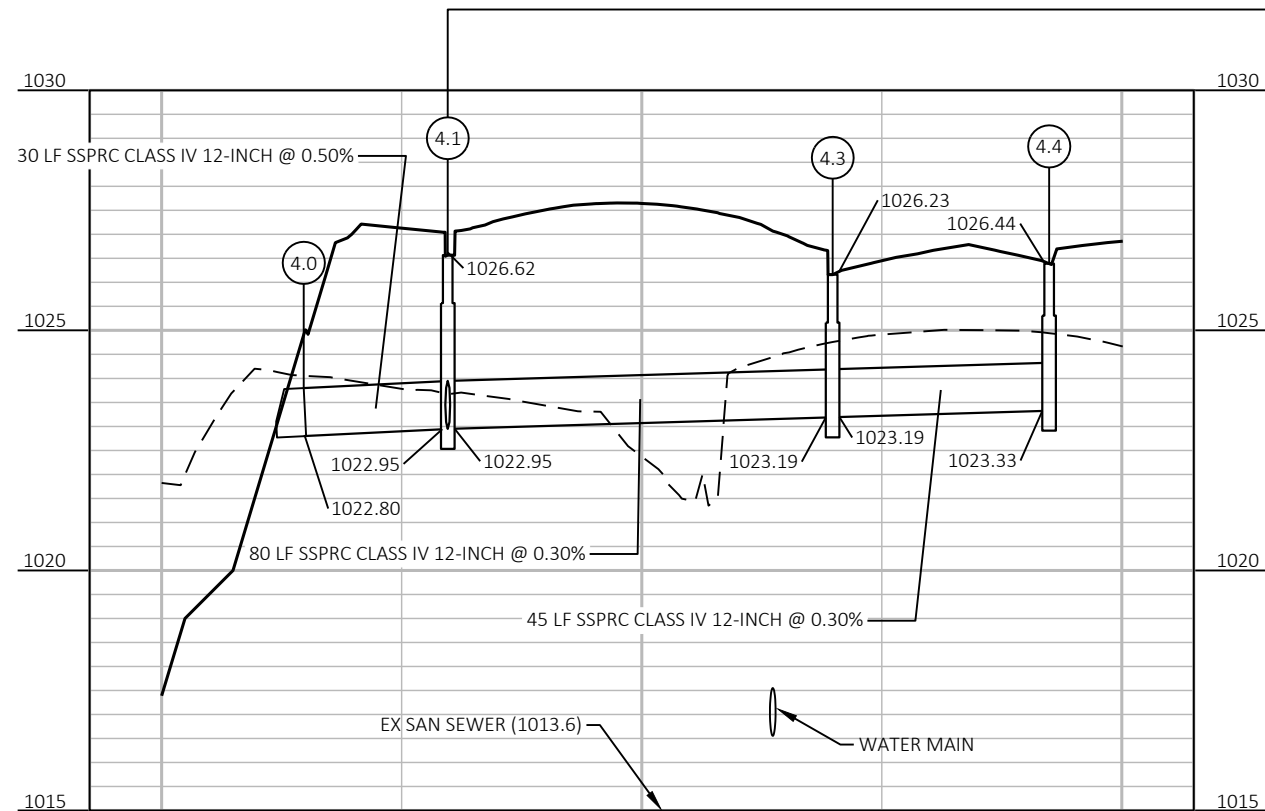
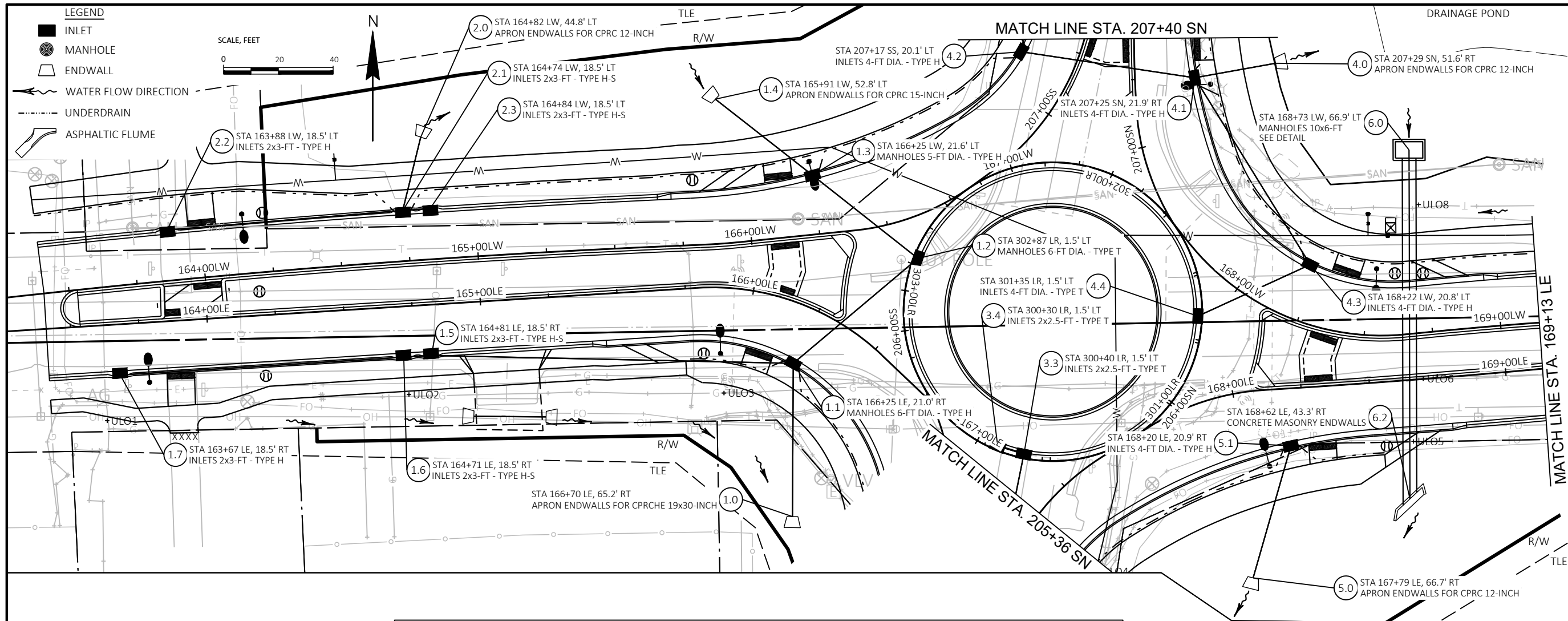
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SHEET NO.
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PLOT DATE: 9/22/2022 12:16 PM

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FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\022501_SS_SHIFTS.DWG



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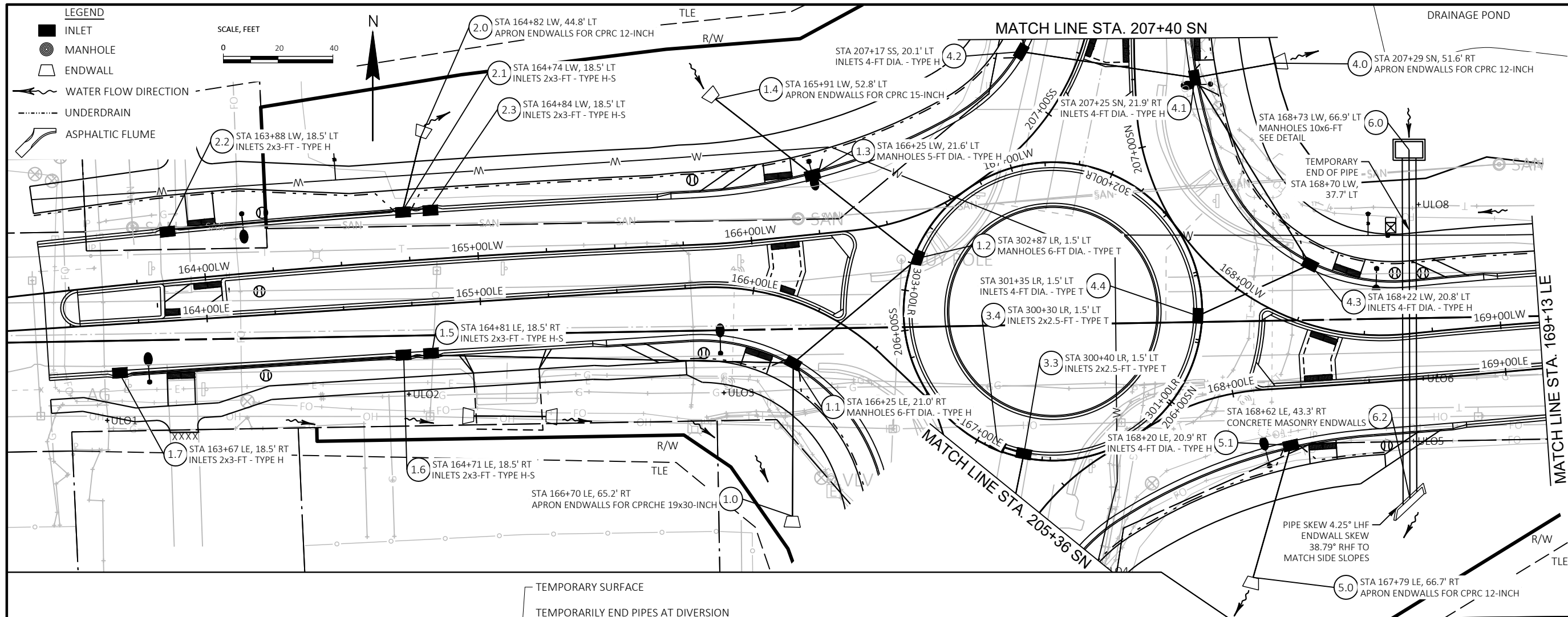
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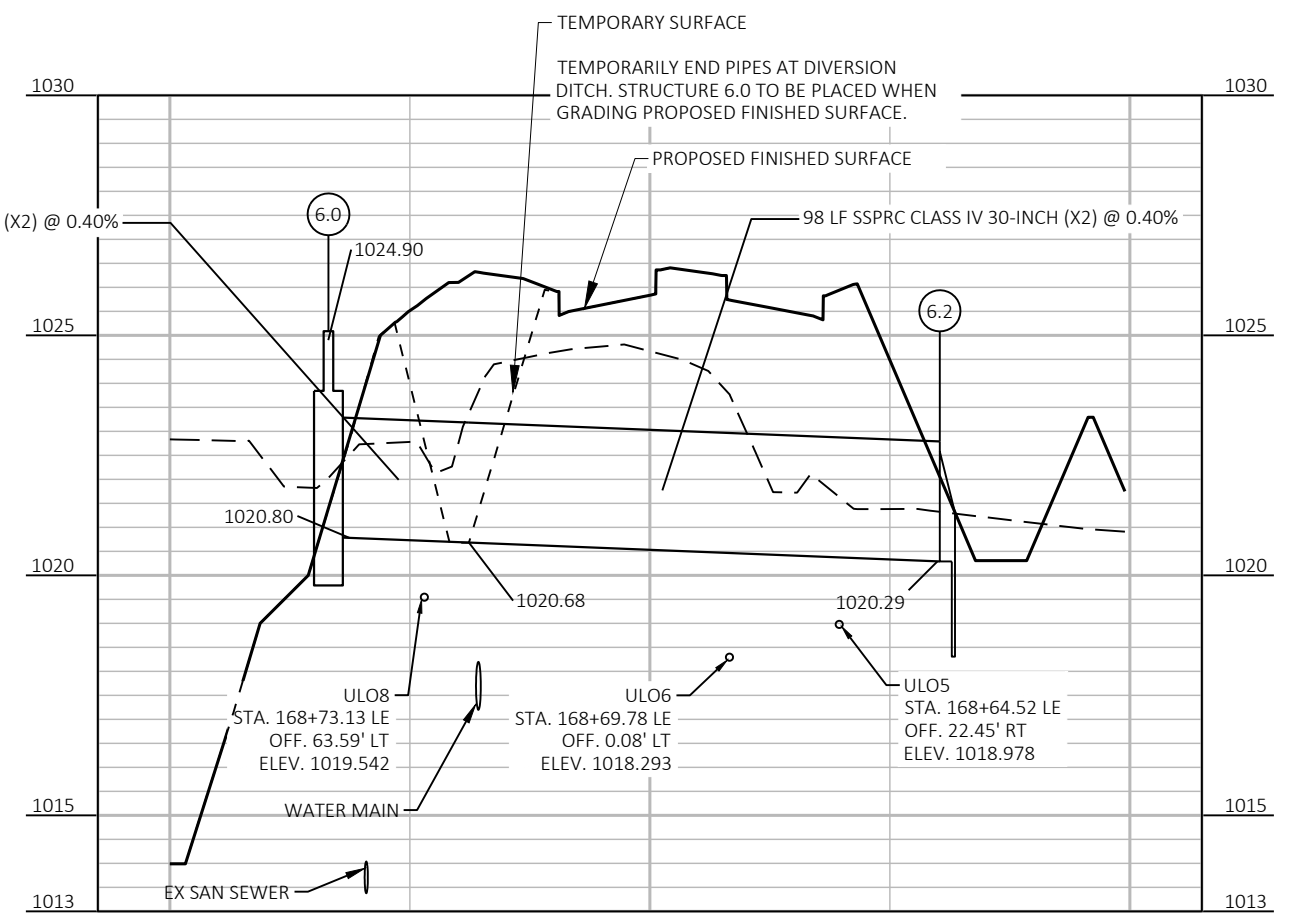
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PLOT BY: BRIAN ST. VINCENT



NOTE: TO CONSTRUCT ENDWALL 6.2, CONCRETE MASONRY ENDWALL GEOMETRY TO BE BASED ON SKEW OF 38.79° RHF FROM ALIGNMENT 'LE' (SKEW OF 43.04° RHF FROM PIPE) TO MATCH SIDE SLOPE GRADING ON SOUTH SIDE OF LACY ROAD.



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Revisions:

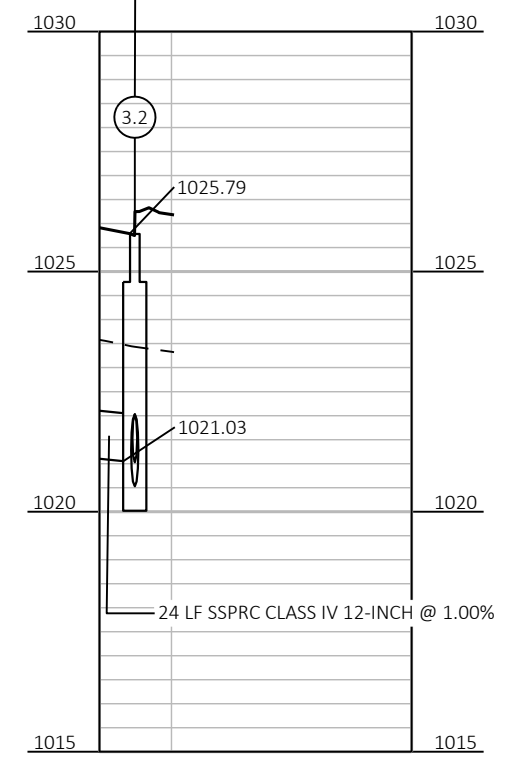
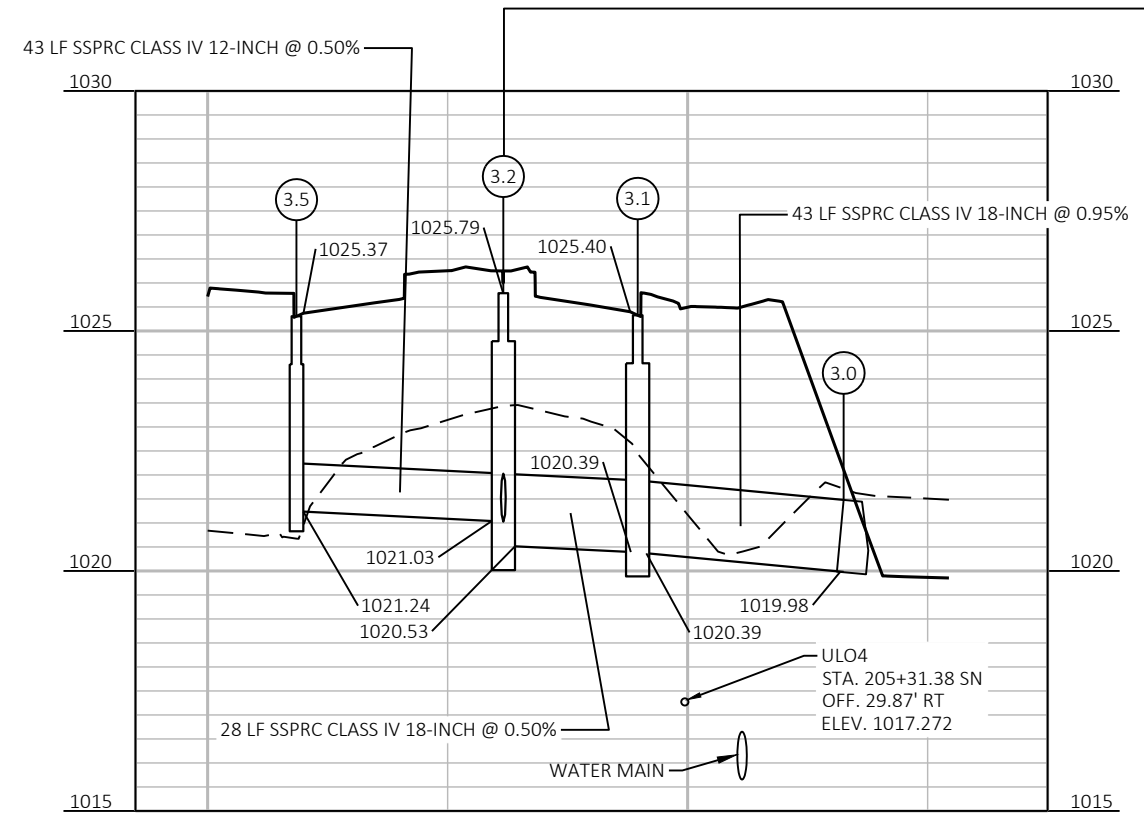
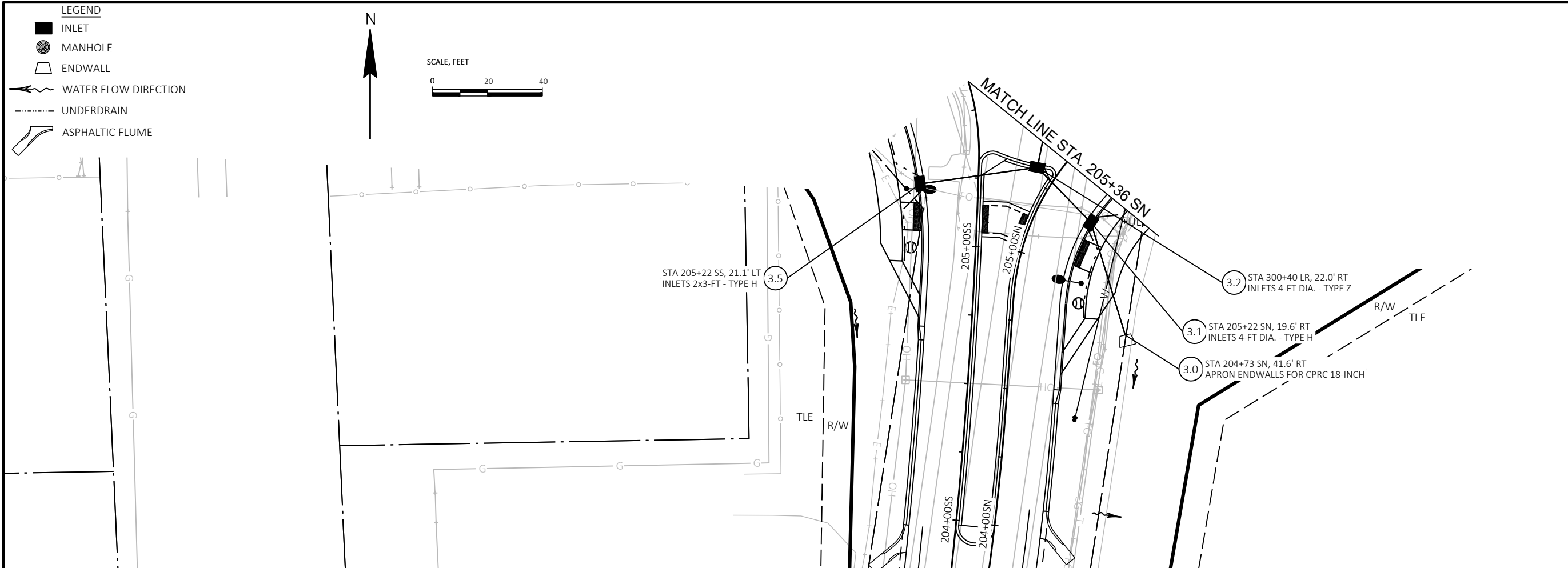
SHEET NO.

65 of 143

PLOT DATE: 9/22/2022 12:17 PM

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Project No: 22-3495
Date: 08-2022
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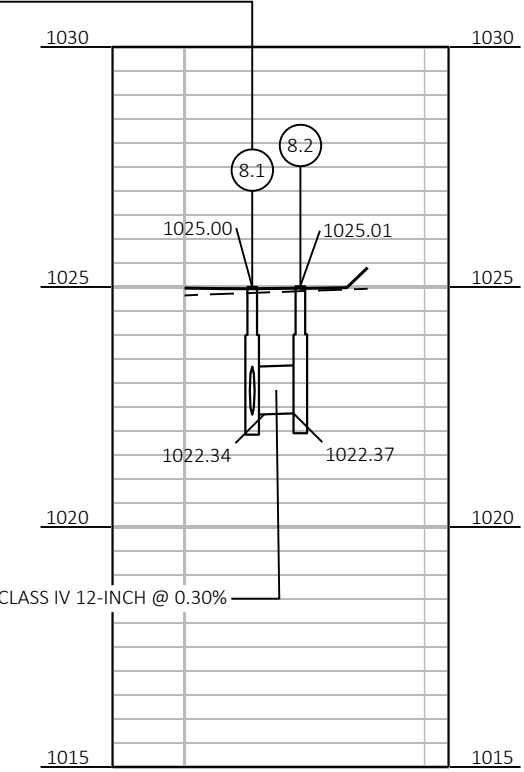
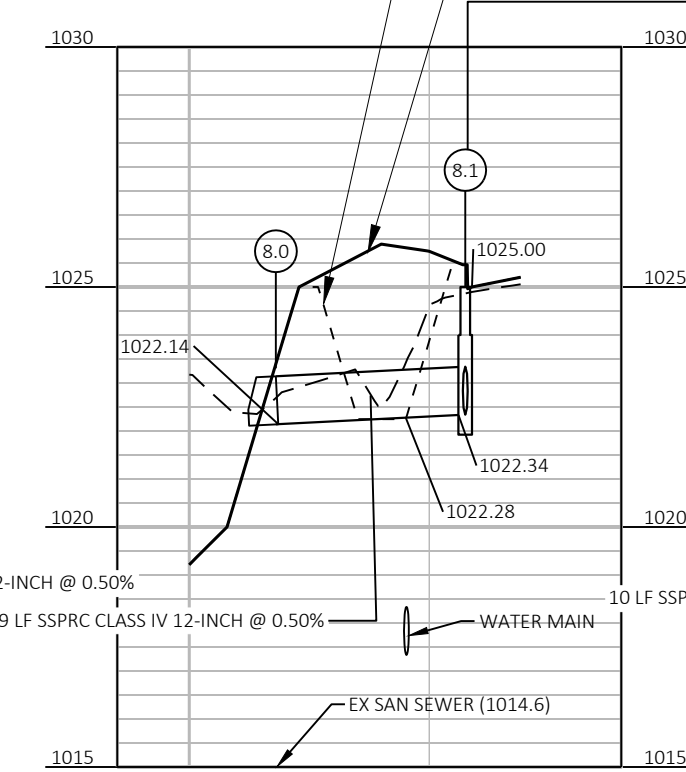
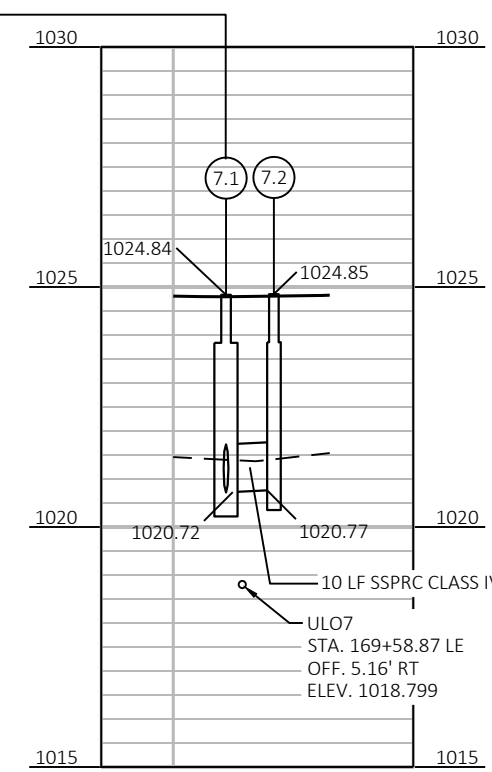
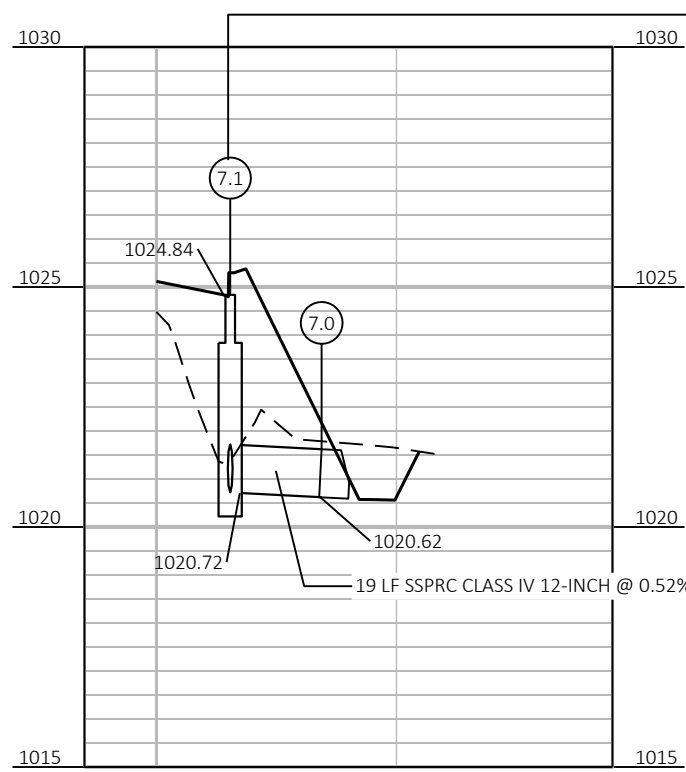
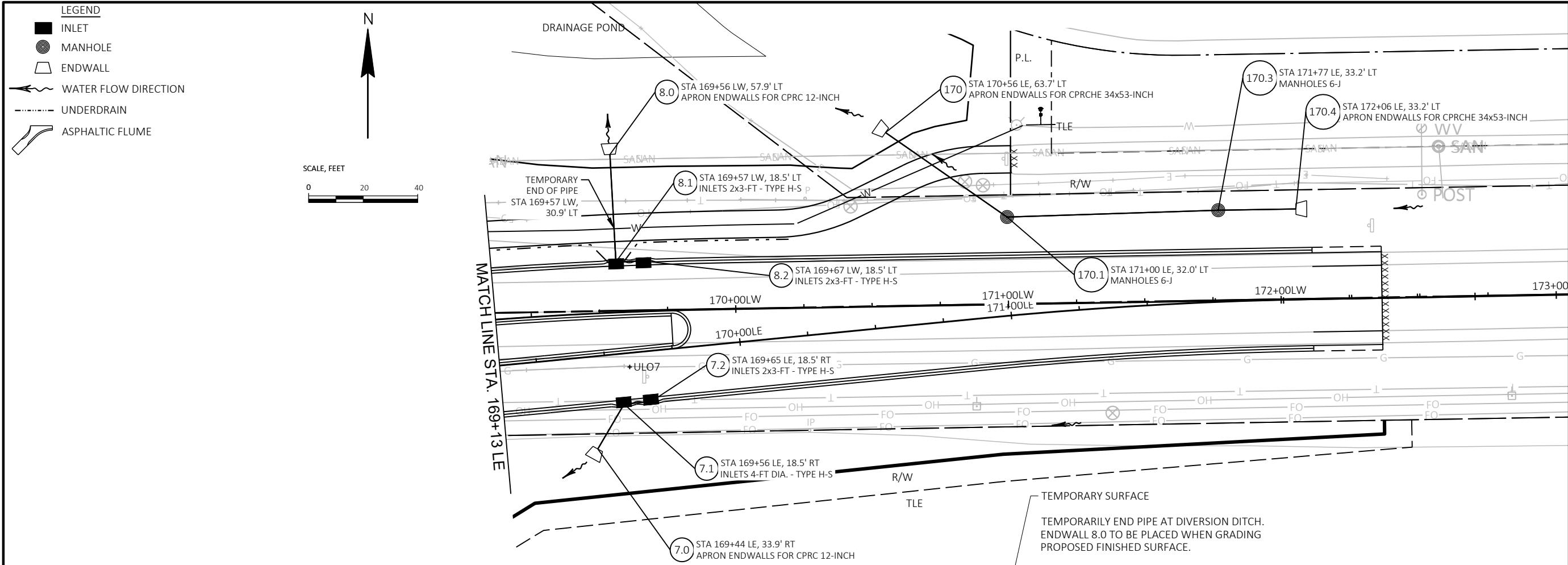
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66 of 143

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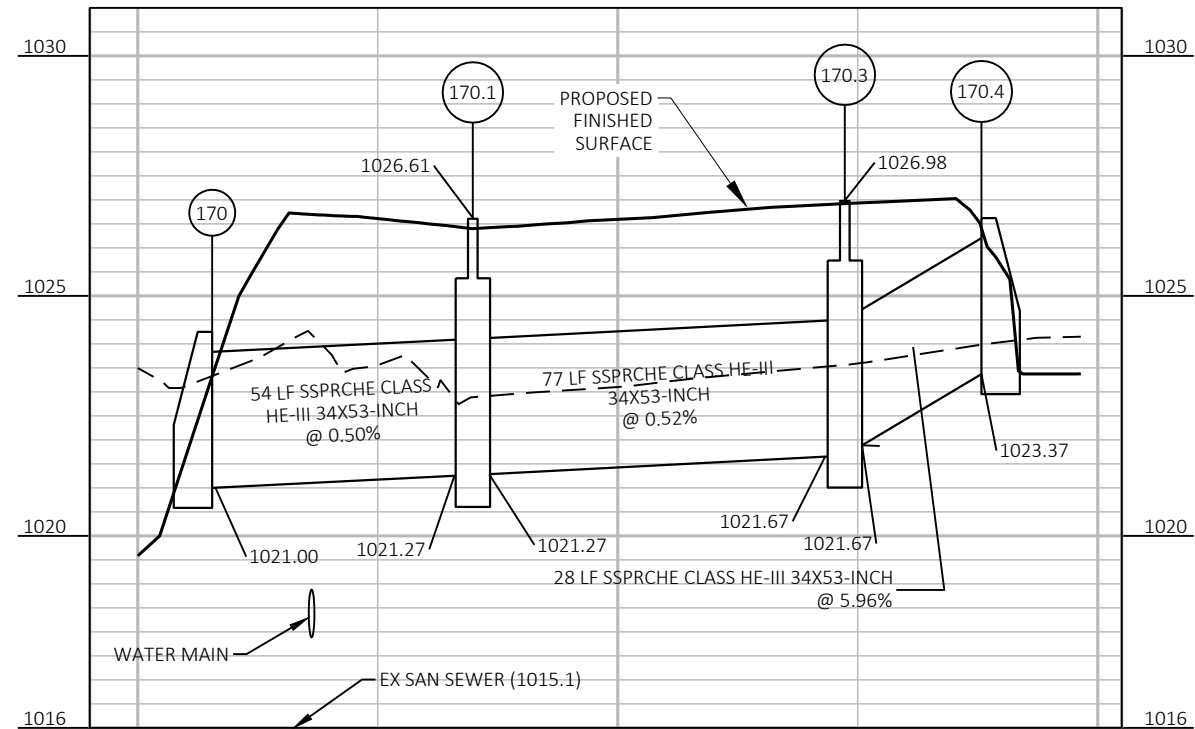
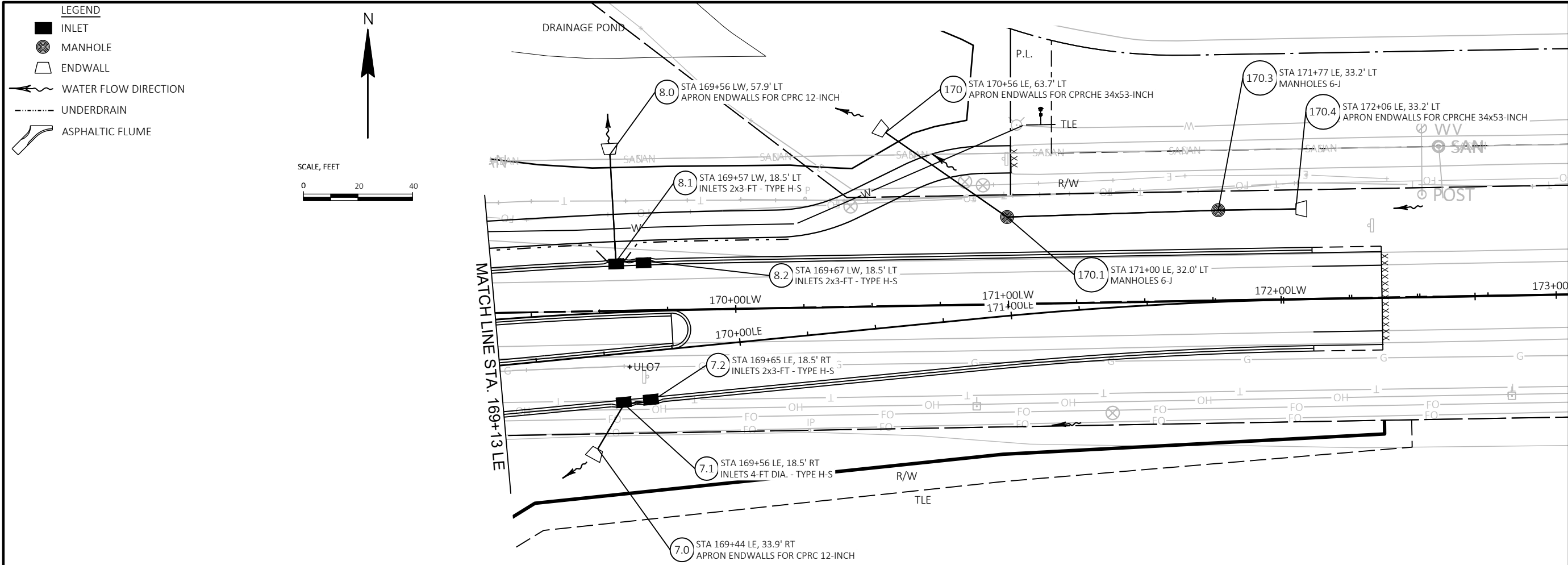
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SHEET NO.
 67 of 143



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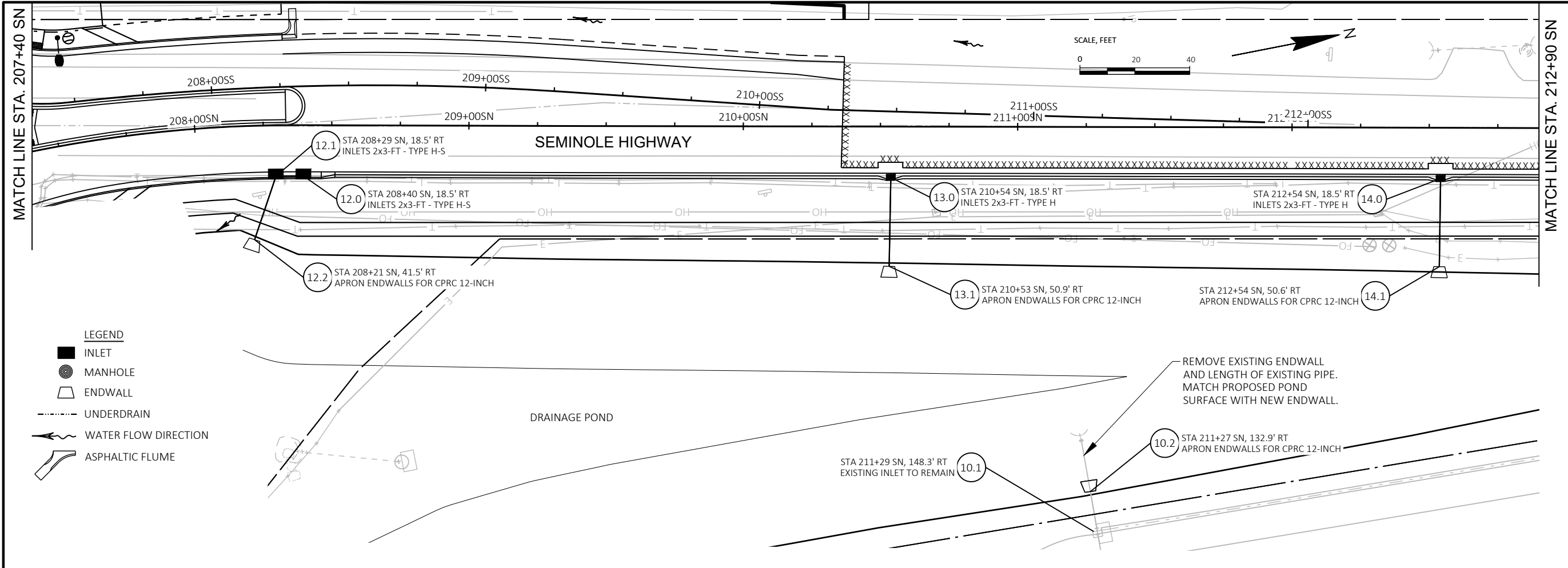
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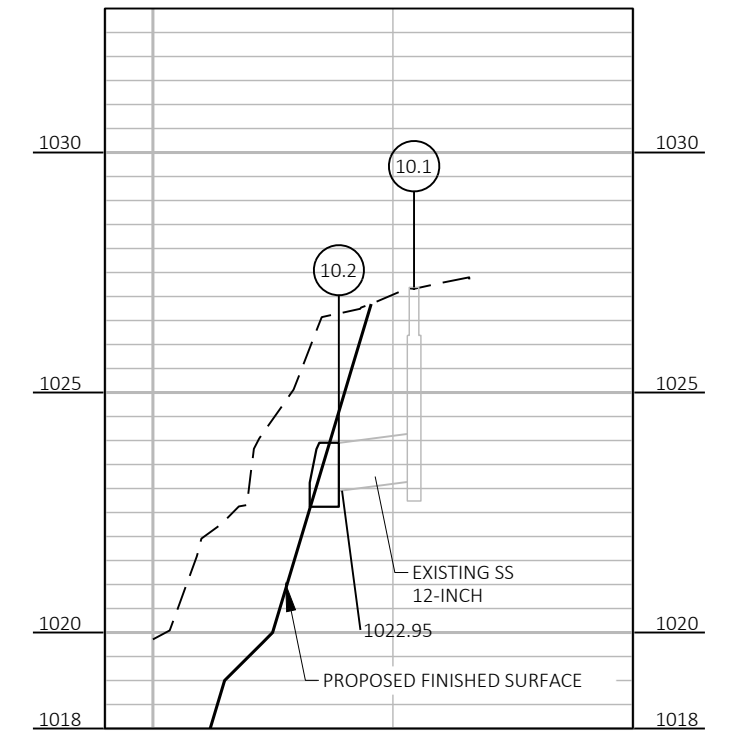
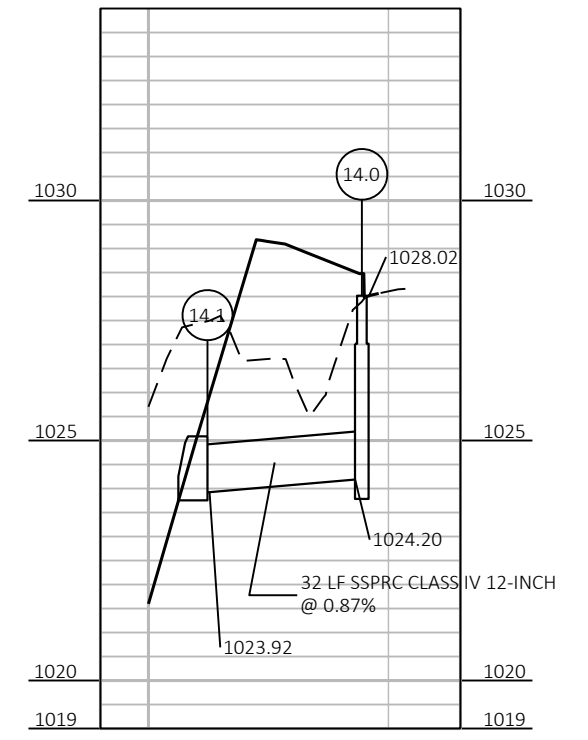
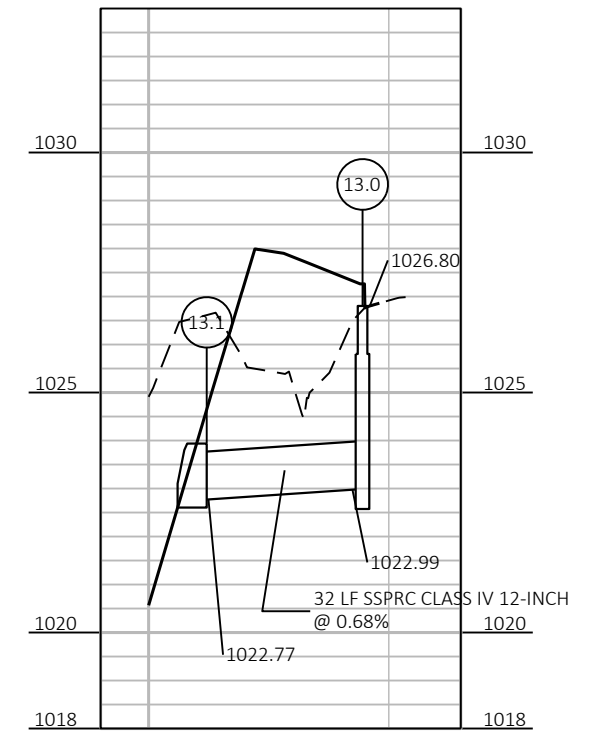
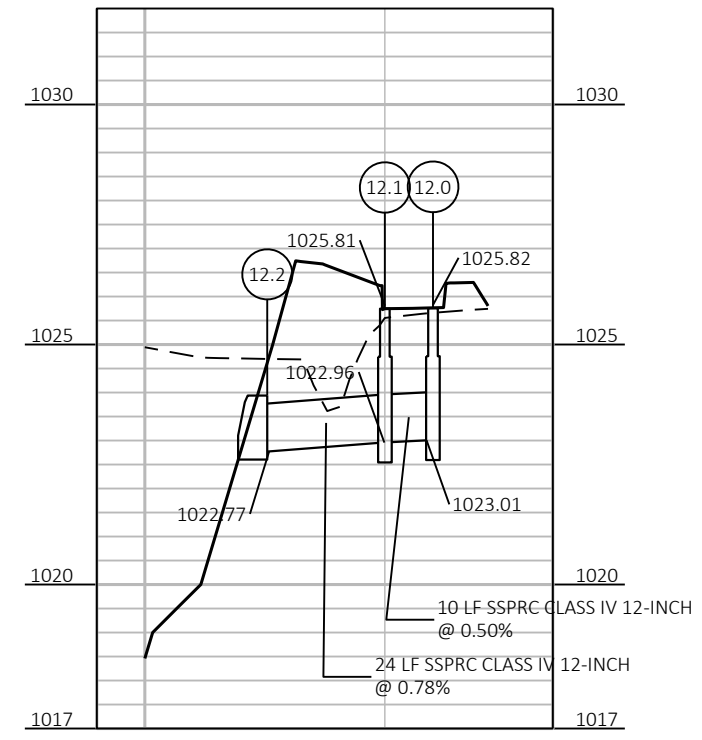
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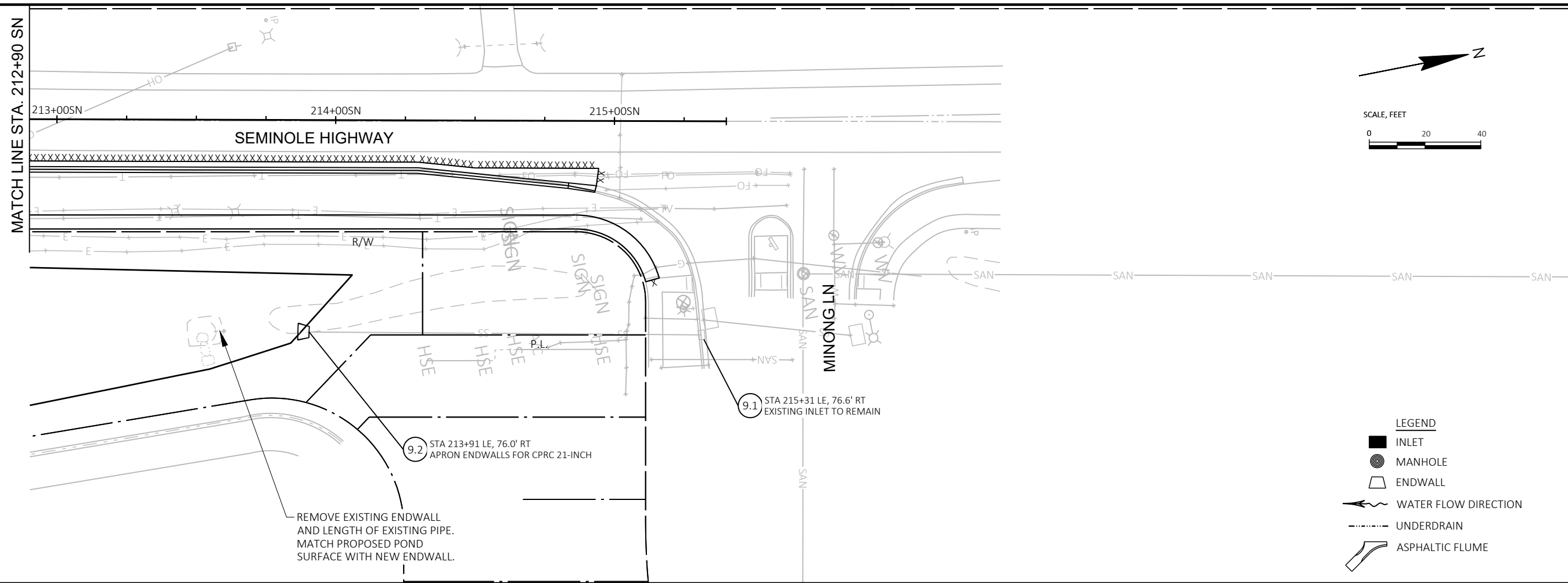
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Revisions:

SHEET NO.
 69 of 143



LEGEND

- INLET
- MANHOLE
- ENDWALL
- WATER FLOW DIRECTION
- - - UNDERDRAIN
- ▤ ASPHALTIC FLUME

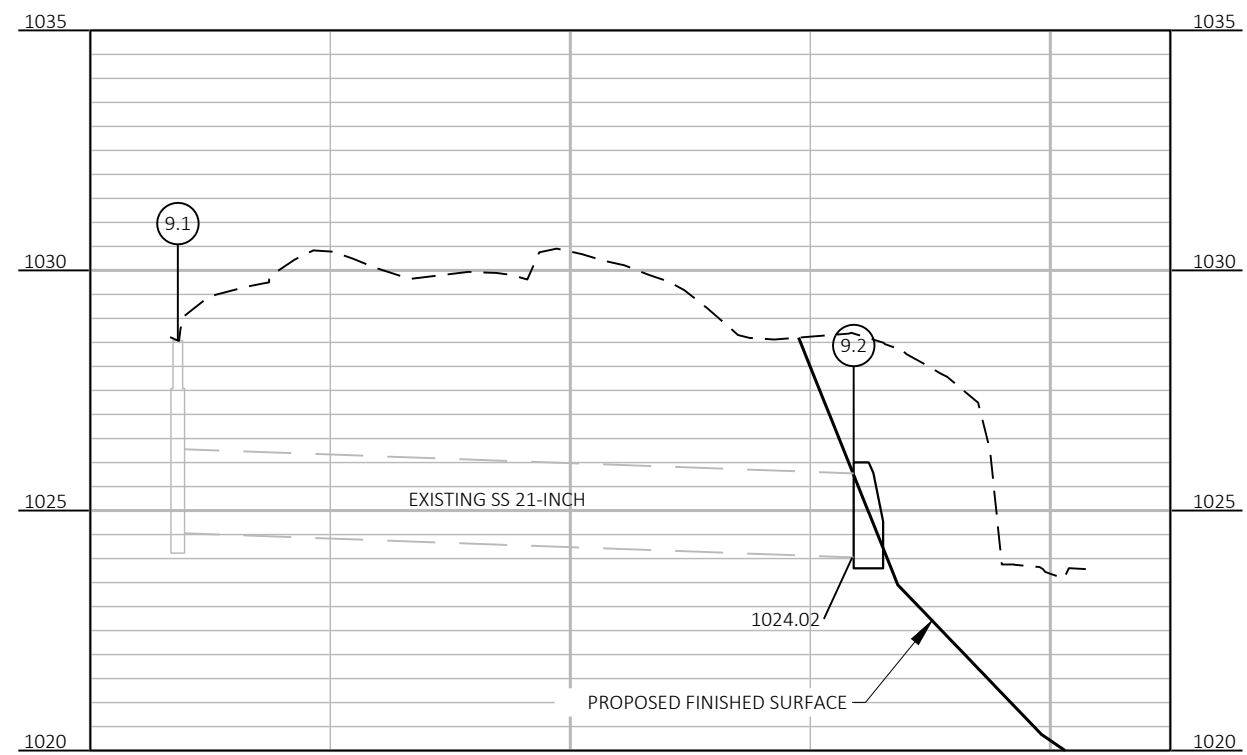
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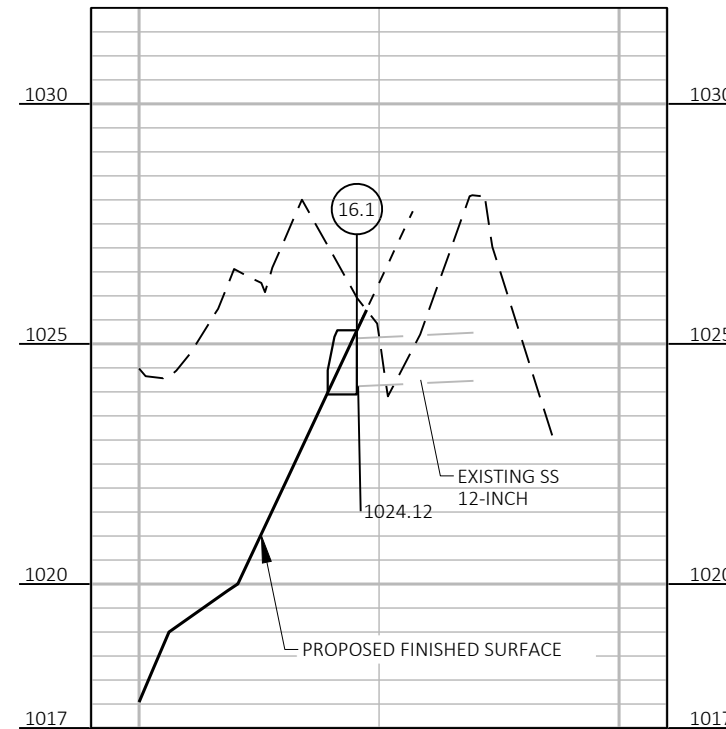
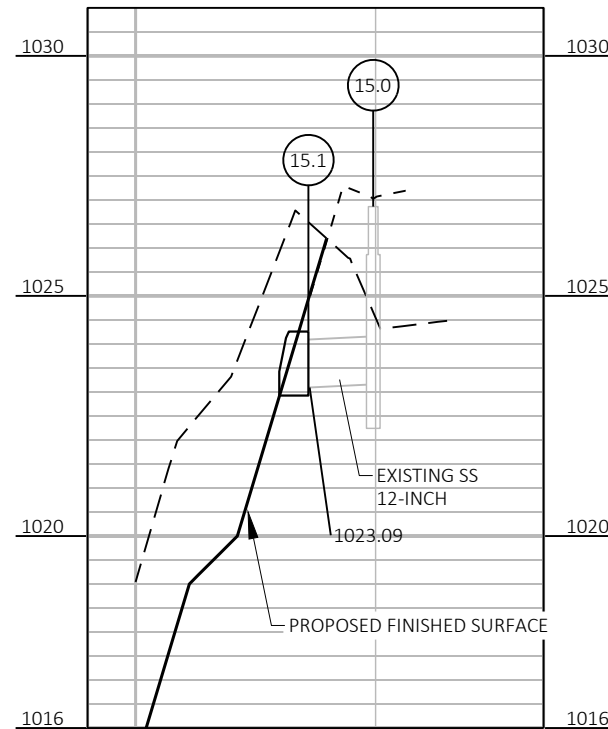
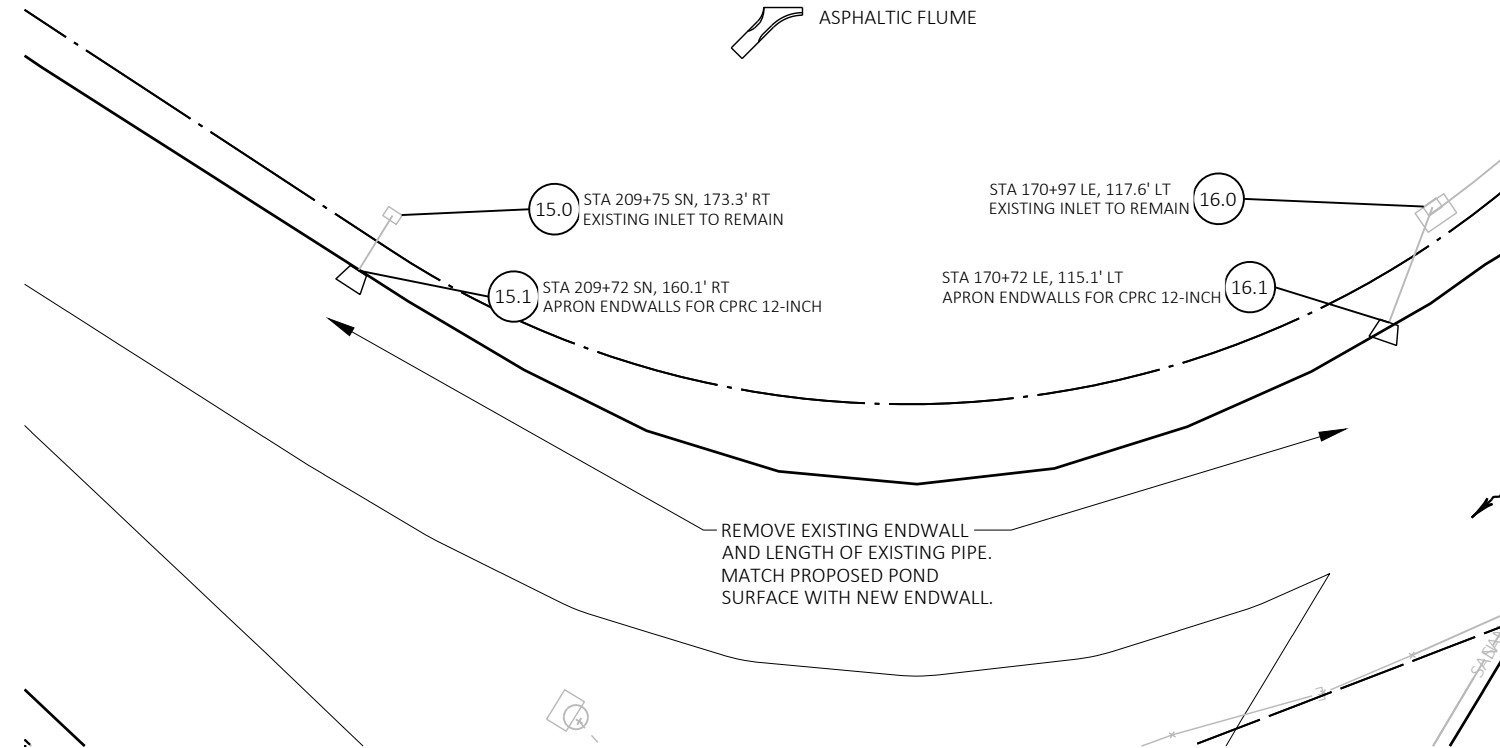
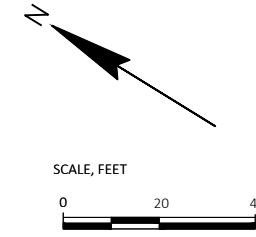
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SHEET NO.
70 of 143



- LEGEND**
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STORM SEWER STRUCTURE SCHEDULE - INLETS, MANHOLES, ENDWALLS

STRUCT. NO.	STA	ALI	OFFSET	TOP STRUCT. ELEV	LOW STRUCT. INV.	EOP	FLANGE ELEV	BOTTOM STRUCT. ELEV	DEPTH (FT)	ADJUST. RING HEIGHT (INCHES)	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE				APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL		CONCRETE MASONRY ENDWALLS (CY)	MANHOLE COVERS			INLET COVERS		INLETS			MANHOLES			REMARKS										
											12-INCH (EACH)	15-INCH (EACH)	18-INCH (EACH)	21-INCH (EACH)	19X30-INCH (EACH)	34X53-INCH (EACH)		TYPE T (EACH)	TYPE Z (EACH)	TYPE J (EACH)	TYPE H (EACH)	TYPE H-S (EACH)	4-FT DIA. (EACH)	2X3-FT (EACH)	2x2.5-FT (EACH)	5-FT DIA. (EACH)	6-FT DIA. (EACH)	10x6-FT. (EACH)											
1.7	163+67.0	LE	18.5'	RT	1023.38	1021.65	1024.16	1024.13	1021.48	1.90	3.0	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6	164+71.0	LE	18.5'	RT	1022.73	1021.33	1023.51	1023.48	1021.16	1.57	3.0	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
1.5	164+81.0	LE	18.5'	RT	1022.74	1021.30	1023.52	1023.49	1021.13	1.61	3.0	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
1.1	166+25.0	LE	21.0'	RT	1024.86	1020.32	1025.89	1025.86	1020.05	4.82	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.0	166+70.0	LE	65.2'	RT	-	1020.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4	165+91.0	LW	52.8'	LT	-	1021.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3	166+25.0	LW	21.6'	LT	1024.87	1020.75	1025.90	1025.87	1020.48	4.40	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2	302+87.0	LR	1.5'	LT	1025.34	1020.55	1026.45	1026.42	1020.28	5.07	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.0	164+82.0	LW	44.8'	LT	-	1021.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2	163+88.0	LW	18.5'	LT	1023.27	1021.66	1024.05	1024.02	1021.49	1.78	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1	164+74.0	LW	18.5'	LT	1022.75	1021.41	1023.53	1023.50	1021.24	1.51	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3	164+84.0	LW	18.5'	LT	1022.77	1021.44	1023.55	1023.52	1021.27	1.50	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.5	205+22.0	SS	21.1'	LT	1024.34	1021.24	1025.37	1025.34	1021.07	3.27	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2	300+40.0	LR	22.0'	RT	1024.68	1020.53	1025.79	1025.76	1020.32	4.36	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.1	205+22.0	SN	19.6'	RT	1024.37	1020.39	1025.40	1025.37	1020.18	4.19	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.0	204+73.0	SN	41.6'	RT	-	1019.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.4	300+30.0	LR	1.5'	LT	1024.56	1021.31	1025.67	1025.64	1021.14	3.42	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3	300+40.0	LR	1.5'	LT	1024.54	1021.26	1025.65	1025.62	1021.09	3.45	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.1	168+20.0	LE	20.9'	RT	1024.84	1020.60	1025.87	1025.84	1020.43	4.41	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.0	167+79.0	LE	66.7'	RT	-	1020.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	168+73.0	LW	66.9'	LT	1023.65	1020.80	-	1024.90	1020.51	3.14	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.2	168+62.0	LE	43.3'	RT	-	1020.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.4	301+35.0	LR	1.5'	LT	1025.33	1023.33	1026.44	1026.41	1023.16	2.17	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.3	168+22.0	LW	20.8'	LT	1025.20	1023.19	1026.23	1026.20	1023.02	2.18	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.1	207+25.0	SN	21.9'	RT	1025.59	1022.95	1026.62	1026.59	1022.78	2.81	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.0	207+29.0	SN	51.6'	RT	-	1022.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.2	207+17.0	SS	20.1'	LT	1025.74	1023.27	1026.77	1026.74	1023.10	2.64	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.2	169+65.0	LE	18.5'	RT	1023.82	1020.77	1024.85	1024.82	1020.60	3.22	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.1	169+56.0	LE	18.5'	RT	1023.81	1020.72	1024.84	1024.81	1020.55	3.26	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	169+44.0	LE	33.9'	RT	-	1020.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.2	169+67.0	LW	18.5'	LT	1023.98	1022.37	1025.01	1024.98	1022.20	1.78	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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8.0	169+56.0	LW	57.9'	LT	-	1022.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9.1	215+31.0	SN	76.6'	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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10.2	211+27.0	SN	132.9'	RT	-	1022.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170.4	172+06.0	LE	33.2'	LT	-	1023.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
170.3	171+77.0	LE	33.2'	LT	1025.73	1021.67	-	1026.98	1021.25	4.48	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
170.1	171+00.0	LE	32.0'	LT	1025.36	1021.27	-	1026.61	1020.85	4.51	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
170.0	170+56.0	LE	63.7'	LT	-	1021.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.0	208+40.0	SN	18.5'	RT	1025.04	1023.01	1025.82	1025.79	1022.84	2.20	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12.1	208+29.0	SN	18.5'	RT	1025.03	1022.96	1025.81	1025.78	1022.79	2.24	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12.2	208+21.0	SN	41.5'	RT	-	1022.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.0	210+54.0	SN	18.5'	RT	1025.77	1022.99	1026.80	1026.77	1022.82	2.95	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13.1	210+53.0	SN	50.9'	RT	-	1022.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.0	212+54.0	SN	18.5'	RT																																			



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STORM SEWER PIPE SCHEDULE

FROM STRUCT.	TO STRUCT.	INLET ELEV	OUTLET ELEV	SLOPE %	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV				STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL		REMARKS
					12-INCH (LF)	15-INCH (LF)	18-INCH (LF)	30-INCH (LF)	CLASS HE-IV 19X30-INCH (LF)	CLASS HE-III 34X53-INCH (LF)	
1.7	1.6	1021.65	1021.33	0.30%	104	-	-	-	-	-	-
1.6	1.5	1021.33	1021.30	0.30%	10	-	-	-	-	-	-
1.5	1.1	1021.30	1020.90	0.30%	132	-	-	-	-	-	-
1.1	1.0	1020.32	1020.10	0.39%	-	-	-	-	56	-	-
1.4	1.3	1021.19	1021.08	0.25%	-	45	-	-	-	-	-
1.3	1.2	1020.75	1020.55	0.40%	-	-	-	-	49	-	-
1.2	1.1	1020.55	1020.32	0.39%	-	-	-	-	59	-	-
2.2	2.1	1021.66	1021.41	0.30%	86	-	-	-	-	-	-
2.1	2.0	1021.41	1021.28	0.48%	28	-	-	-	-	-	-
2.3	2.1	1021.44	1021.41	0.30%	10	-	-	-	-	-	-
3.5	3.2	1021.24	1021.03	0.50%	43	-	-	-	-	-	-
3.2	3.1	1020.53	1020.39	0.50%	-	-	28	-	-	-	-
3.1	3.0	1020.39	1019.98	0.95%	-	-	43	-	-	-	-
3.4	3.3	1021.31	1021.26	0.50%	10	-	-	-	-	-	-
3.3	3.2	1021.26	1021.03	1.00%	24	-	-	-	-	-	-
5.1	5.0	1020.60	1020.16	0.88%	50	-	-	-	-	-	-
6.0	-	1020.80	1020.68	0.40%	-	-	-	58	-	-	2 PIPES
-	6.2	1020.68	1020.29	0.40%	-	-	-	196	-	-	2 PIPES
4.4	4.3	1023.33	1023.19	0.30%	45	-	-	-	-	-	-
4.3	4.1	1023.19	1022.95	0.30%	80	-	-	-	-	-	-
4.1	4.0	1022.95	1022.80	0.50%	30	-	-	-	-	-	-
4.2	4.1	1023.27	1022.95	0.50%	64	-	-	-	-	-	-
7.2	7.1	1020.77	1020.72	0.50%	10	-	-	-	-	-	-
7.1	7.0	1020.72	1020.62	0.52%	19	-	-	-	-	-	-
8.2	8.1	1022.37	1022.34	0.30%	10	-	-	-	-	-	-
8.1	-	1022.34	1022.28	0.50%	27	-	-	-	-	-	-
-	8.0	1022.28	1022.14	0.50%	12	-	-	-	-	-	-
170.4	170.3	1023.37	1021.67	5.96%	-	-	-	-	-	28	-
170.3	170.1	1021.67	1021.27	0.52%	-	-	-	-	-	77	-
170.1	170.0	1021.27	1021.00	0.50%	-	-	-	-	-	54	-
12.0	12.1	1023.01	1022.96	0.50%	10	-	-	-	-	-	-
12.1	12.2	1022.96	1022.77	0.78%	24	-	-	-	-	-	-
13.0	13.0	1022.99	1022.77	0.68%	32	-	-	-	-	-	-
14.0	14.1	1024.20	1023.92	0.87%	32	-	-	-	-	-	-
PROJECT TOTALS					892	45	71	254	164	159	

CULVERT PIPE SCHEDULE

FROM STRUCT.	TO STRUCT.	STAGE	INLET ELEV	OUTLET ELEV	SLOPE %	CULVERT PIPE REINFORCED CONCRETE CLASS IV 14X23-INCH (LF)	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 14X23-INCH (EACH)
UPHILL	DOWNHILL		1021.30	1021.16	0.53%	26	2
PROJECT TOTAL						26	2

CITY OF FITCHBURG

STORM SEWER & CULVERTS

Project No. 22-3495

Date: 08-2022

Designed By: BJS

Drafted By: BJS

Checked By: DR

Revisions:

SHEET NO.

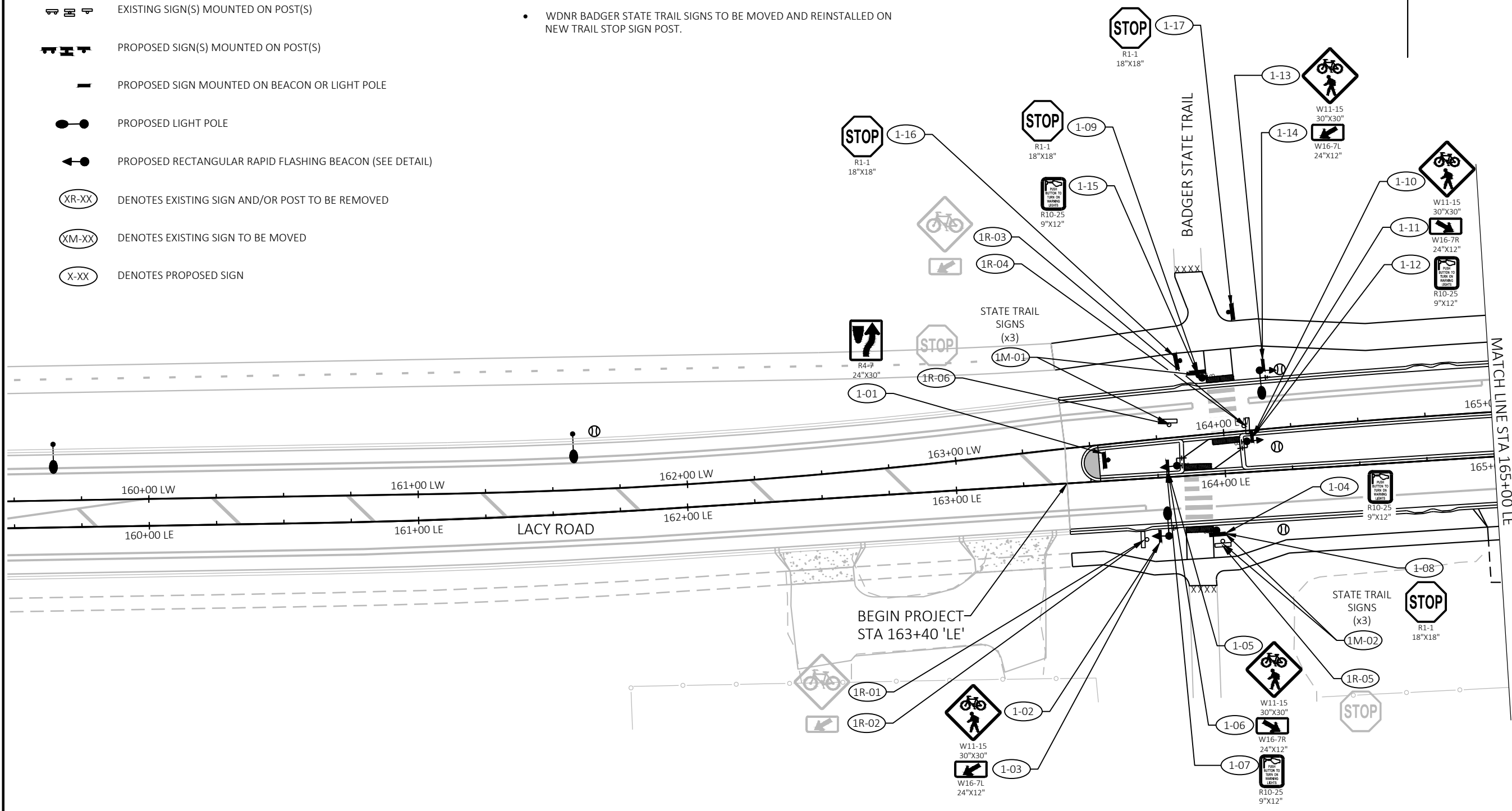
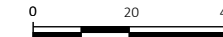
LEGEND

- EXISTING SIGN(S) MOUNTED ON POST(S)
- PROPOSED SIGN(S) MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BEACON OR LIGHT POLE
- PROPOSED LIGHT POLE
- PROPOSED RECTANGULAR RAPID FLASHING BEACON (SEE DETAIL)
- DENOTES EXISTING SIGN AND/OR POST TO BE REMOVED
- DENOTES EXISTING SIGN TO BE MOVED
- DENOTES PROPOSED SIGN

GENERAL NOTES:

- CITY OF FITCHBURG SIGNS AND SOLAR LIGHTING KITS TO BE SALVAGED AND STOCKPILED FOR PICKUP BY THE CITY OF FITCHBURG.
- WDNR BADGER STATE TRAIL SIGNS TO BE MOVED AND REINSTALLED ON NEW TRAIL STOP SIGN POST.

SCALE, FEET



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CITY OF FITCHBURG

PERMANENT SIGNING

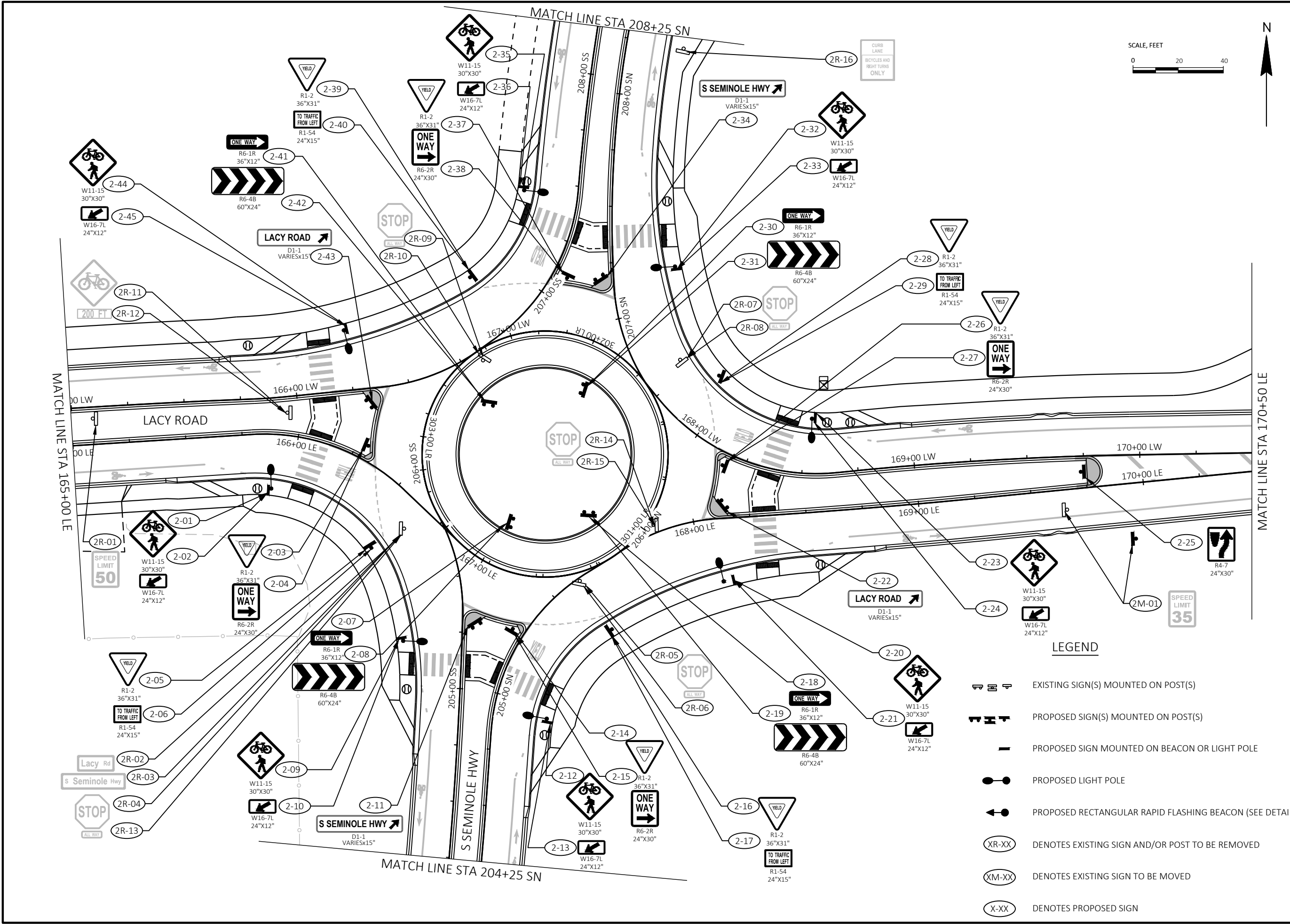
Project No:	22-3495
Date:	08-2022
Designed By:	BJS
Drafted By:	BJS
Checked By:	DR

Revisions:

SHEET NO.

74 of 143

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETPLAN\023201-PS.DWG PLOT DATE: 9/14/2022 9:41 AM PLOT BY: BRIAN ST. VINCENT



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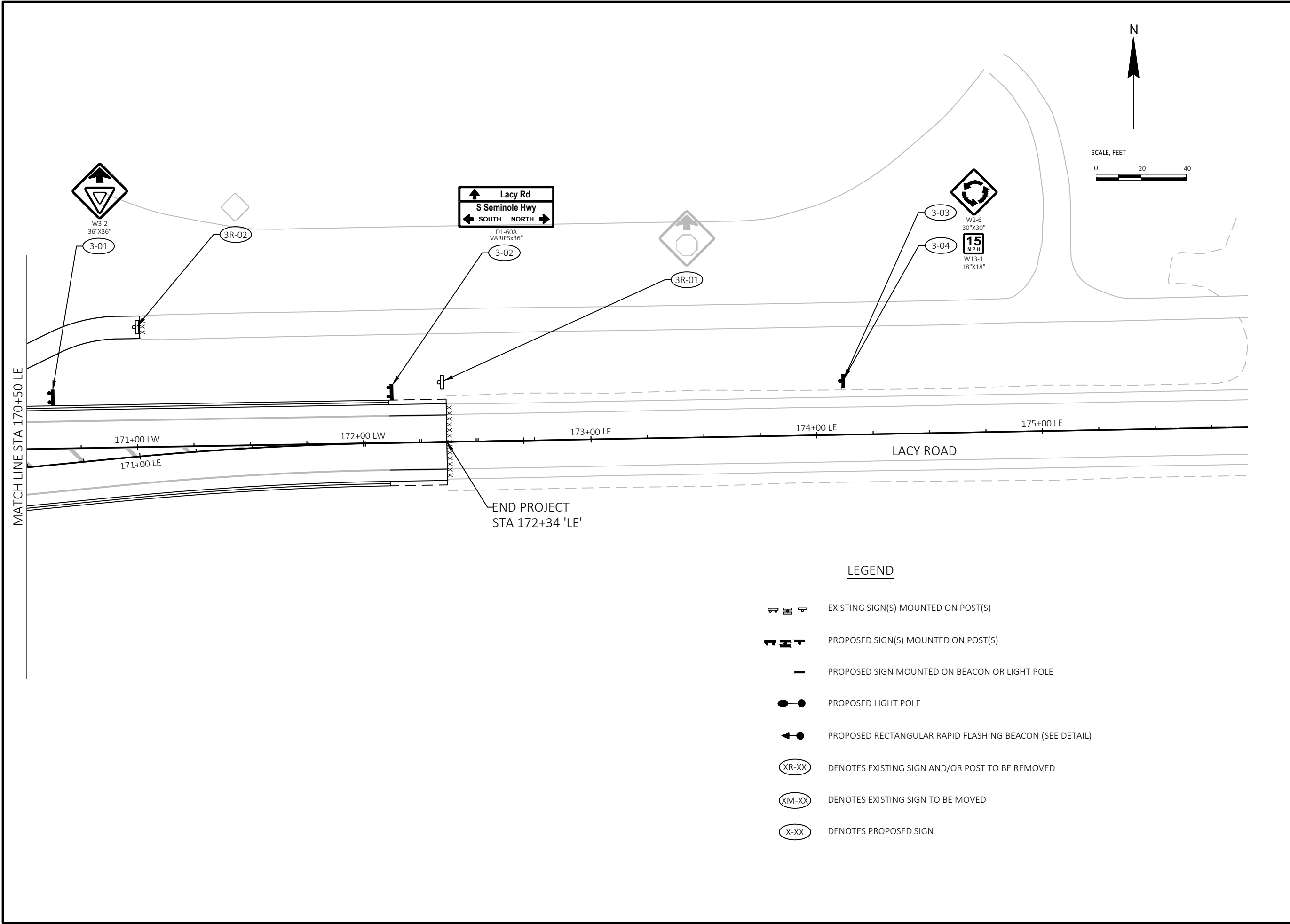
CITY OF FITCHBURG
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 75 of 143

- LEGEND**
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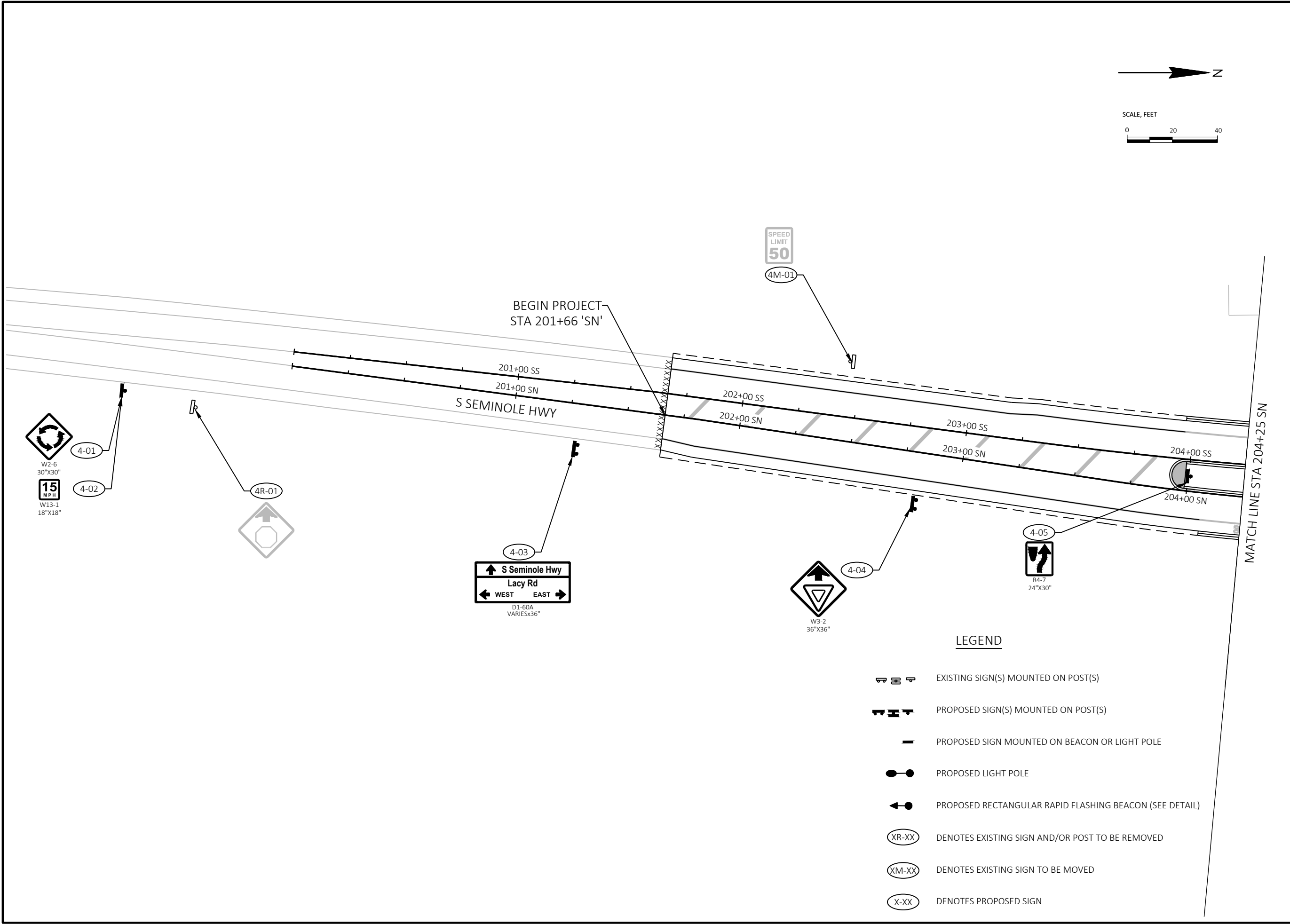
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CITY OF FITCHBURG

PERMANENT SIGNING

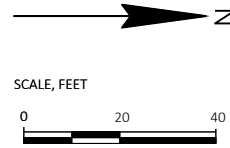
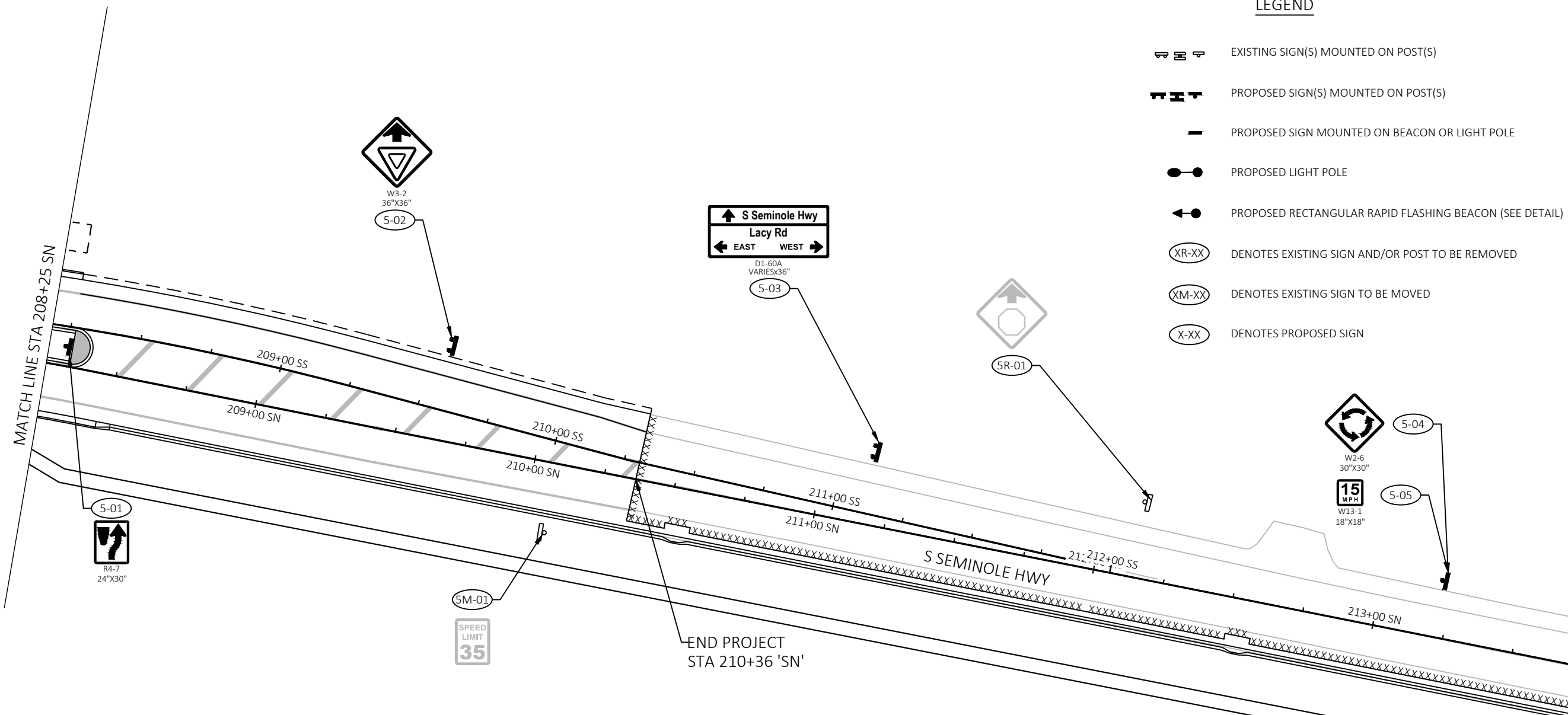
Project No:	22-3495
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Designed By:	BJS
Drafted By:	BJS
Checked By:	DR

Revisions:

SHEET NO.

77 of 143

FILE NAME : G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\023201-PS.DWG
 PLOT BY : BRIAN ST. VINCENT
 PLOT DATE : 9/14/2022 9:42 AM



LEGEND

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- PROPOSED LIGHT POLE
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- (XM-XX) DENOTES EXISTING SIGN TO BE MOVED
- (X-XX) DENOTES PROPOSED SIGN

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CITY OF FITCHBURG
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Revisions:

SHEET NO.
 78 of 143

PERMANENT SIGNING TYPE II

SIGN #	SIGN CODE	SIGN SIZE	SIGN SIZE WXH IN	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X4-INCH			POSTS GALVANIZED STEEL 2 3/8-INCH DIAMETER			V-LOC SIGN BASE EACH	SIGN MOUNTED ON/SAME POST AS	REMARKS
						12 FT EACH	14 FT EACH	16 FT EACH	10 FT EACH	11 FT EACH	14 FT EACH			
1-01	R4-7	Custom	24X30	5.00	---	---	---	---	---	1	---	1	---	KEEP RIGHT
1-02	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	1-03	TRAIL CROSSING (BIKE AND PED SYMBOL)
1-03	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	1-02	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-04	R10-25	2S	9X12	.75	---	---	---	---	---	---	---	---	1-08	PUSH BUTTON TO TURN ON WARNING LIGHTS
1-05	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	1-06, 1-07	TRAIL CROSSING (BIKE AND PED SYMBOL)
1-06	W16-7R	2S	24X12	---	2.00	---	---	---	---	---	---	---	1-05, 1-07	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-07	R10-25	2S	9X12	.75	---	---	---	---	---	---	---	---	1-05, 1-06	PUSH BUTTON TO TURN ON WARNING LIGHTS
1-08	R1-1	Custom	18X18	2.25	---	---	---	---	---	---	---	---	1-04	STOP SIGN
1-09	R1-1	Custom	18X18	2.25	---	---	---	---	---	---	---	---	1-15	STOP SIGN
1-10	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	1-11, 1-12	TRAIL CROSSING (BIKE AND PED SYMBOL)
1-11	W16-7R	2S	24X12	---	2.00	---	---	---	---	---	---	---	1-10, 1-12	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-12	R10-25	2S	9X12	.75	---	---	---	---	---	---	---	---	1-10, 1-11	PUSH BUTTON TO TURN ON WARNING LIGHTS
1-13	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	1-14	TRAIL CROSSING (BIKE AND PED SYMBOL)
1-14	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	1-13	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-15	R10-25	2S	9X12	.75	---	---	---	---	---	---	---	---	1-09	PUSH BUTTON TO TURN ON WARNING LIGHTS
1-16	R1-1	Custom	18X18	2.25	---	1	---	---	---	---	---	---	---	STOP SIGN
1-17	R1-1	Custom	18X18	2.25	---	1	---	---	---	---	---	---	---	STOP SIGN
2-01	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-02	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-02	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-01	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-03	R1-2	2S	36X31	3.88	---	---	---	---	---	---	1	1	2-04	YIELD
2-04	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	2-03	ONE WAY RIGHT ARROW
2-05	R1-2	2S	36X31	3.88	---	---	---	1	---	---	---	---	2-06	YIELD
2-06	R1-54	2S	24X15	2.50	---	---	---	---	---	---	---	---	2-05	TO TRAFFIC FROM LEFT
2-07	R6-1R	2S	36X12	3.00	---	---	---	---	---	---	---	---	2-08	ONE WAY RIGHT ARROW (ROUNDBABOUTS)
2-08	R6-4-B	2S	60X24	10.00	---	---	---	2	---	---	---	---	2-07	ROUNDBABOUT CHEVRON BANK
2-09	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-10	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-10	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-09	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-11	D1-1	Custom	94X15	9.79	---	---	---	---	2	---	---	2	---	ONE DESTINATION (ARROW)
2-12	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-13	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-13	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-12	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-14	R1-2	2S	36X31	3.88	---	---	---	---	---	---	1	1	2-15	YIELD
2-15	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	2-14	ONE WAY RIGHT ARROW
2-16	R1-2	2S	36X31	3.88	---	---	---	1	---	---	---	---	2-17	YIELD
2-17	R1-54	2S	24X15	2.50	---	---	---	---	---	---	---	---	2-16	TO TRAFFIC FROM LEFT
2-18	R6-1R	2S	36X12	3.00	---	---	---	---	---	---	---	---	2-19	ONE WAY RIGHT ARROW (ROUNDBABOUTS)
2-19	R6-4-B	2S	60X24	10.00	---	---	---	2	---	---	---	---	2-18	ROUNDBABOUT CHEVRON BANK
2-20	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-21	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-21	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-20	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-22	D1-1	Custom	68X15	7.08	---	---	---	---	2	---	---	2	---	ONE DESTINATION (ARROW)
2-23	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-24	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-24	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-23	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-25	R4-7	Custom	24X30	5.00	---	---	---	---	1	---	1	1	---	KEEP RIGHT
2-26	R1-2	2S	36X31	3.88	---	---	---	---	---	---	1	1	2-27	YIELD
2-27	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	2-26	ONE WAY RIGHT ARROW
2-28	R1-2	2S	36X31	3.88	---	---	---	1	---	---	---	---	2-29	YIELD
2-29	R1-54	2S	24X15	2.50	---	---	---	---	---	---	---	---	2-28	TO TRAFFIC FROM LEFT
2-30	R6-1R	2S	36X12	3.00	---	---	---	---	---	---	---	---	2-31	ONE WAY RIGHT ARROW (ROUNDBABOUTS)
2-31	R6-4-B	2S	60X24	10.00	---	---	---	2	---	---	---	---	2-30	ROUNDBABOUT CHEVRON BANK
2-32	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-33	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-33	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-32	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-34	D1-1	Custom	94X15	9.79	---	---	---	---	2	---	---	2	---	ONE DESTINATION (ARROW)
2-35	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-36	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-36	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-35	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-37	R1-2	2S	36X31	3.88	---	---	---	---	---	---	1	1	2-38	YIELD
2-38	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	2-37	ONE WAY RIGHT ARROW
2-39	R1-2	2S	36X31	3.88	---	---	---	1	---	---	---	---	2-40	YIELD
2-40	R1-54	2S	24X15	2.50	---	---	---	---	---	---	---	---	2-39	TO TRAFFIC FROM LEFT
2-41	R6-1R	2S	36X12	3.00	---	---	---	---	---	---	---	---	2-42	ONE WAY RIGHT ARROW (ROUNDBABOUTS)
2-42	R6-4-B	2S	60X24	10.00	---	---	---	2	---	---	---	---	2-41	ROUNDBABOUT CHEVRON BANK
2-43	D1-1	Custom	69X15	7.19	---	---	---	---	2	---	---	2	---	ONE DESTINATION (ARROW)
2-44	W11-15	2S	30X30	---	6.25	---	---	---	---	---	---	---	2-45	TRAIL CROSSING (BIKE AND PED SYMBOL)
2-45	W16-7L	2S	24X12	---	2.00	---	---	---	---	---	---	---	2-44	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
3-01	W3-2	2S	36X36	---	9.00	---	---	2	---	---	---	---	---	YIELD AHEAD
3-02	D1-60A	2S	94X36	23.50	---	---	---	2	---	---	---	---	---	ADVANCED CROSSROAD NAME WITH CARDINALS & ARROW
3-03	W2-6	2S	30X30	---	6.25	---	---	1	---	---	---	---	3-04	ROUNDBABOUT AHEAD
3-04	W13-1	2S	18X18	---	2.25	---	---	---	---	---	---	---	3-03	ADVISORY SPEED PLATE (YELLOW BACK)
4-01	W2-6	2S	30X30	---	6.25	---	---	1	---	---	---	---	4-02	ROUNDBABOUT AHEAD
4-02	W13-1	2S	18X18	---	2.25	---	---	---	---	---	---	---	4-01	ADVISORY SPEED PLATE (YELLOW BACK)
4-03	D1-60A	2S	94X36	23.50	---	---	---	2	---	---	---	---	---	ADVANCED CROSSROAD NAME WITH CARDINALS & ARROW
4-04	W3-2	2S	36X36	---	9.00	---	---	2	---	---	---	---	---	YIELD AHEAD
4-05	R4-7	2S	30X30	6.25	---	---	---	---	1	---	1	1	---	KEEP RIGHT
5-01	R4-7	2S	30X30	6.25	---	---	---	---	1	---	1	1	---	KEEP RIGHT
5-02	W3-2	2S	36X36	---	9.00	---	---	2	---	---	---	---	---	YIELD AHEAD
5-03	D1-60A	2S	94X36	23.50	---	---	---	2	---	---	---	---	---	ADVANCED CROSSROAD NAME WITH CARDINALS & ARROW
5-04	W2-6	2S	30X30	---	6.25	---	---	1	---	---	---	---	5-05	ROUNDBABOUT AHEAD
5-05	W13-1	2S	18X18	---	2.25	---	---	---	---	---	---	---	5-04	ADVISORY SPEED PLATE (YELLOW BACK)
PROJECT TOTALS:				251.89	151.50	2	2	25	8	4	4	16		



Engineering

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CITY OF FITCHBURG

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Drafted By: BJS
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SIGNING MOVES & REMOVALS

SIGN #	SIGN CODE	MOVING SIGNS TYPE II EACH	REMOVING SIGNS TYPE II (EACH)	REMOVING SMALL SIGN SUPPORTS (EACH)	MOVING SMALL SIGN SUPPORTS EACH	SALVAGE SOLAR LIGHTING KIT (EACH)	REMARKS
1R-01	W11-1	--	1	1	--	--	BICYCLE WARNING SIGN
1R-02	W16-7L	--	1	--	--	--	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1R-03	W11-1	--	1	--	--	--	BICYCLE WARNING SIGN
1R-04	W16-7L	--	1	1	--	--	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1R-05	R1-1	--	1	1	--	--	STOP SIGN
1R-06	R1-1	--	1	1	--	--	STOP SIGN
1M-01	--	4	--	--	--	--	TRAIL SIGNS
1M-02	--	4	--	--	--	--	TRAIL SIGNS
2R-01	R2-1	--	1	1	--	--	SPEED LIMIT [] MPH
2R-02	--	--	1	--	--	--	STREET SIGN
2R-03	--	--	1	--	--	--	STREET SIGN
2R-04	R1-1	--	1	1	--	--	STOP SIGN
2R-05	R1-1	--	1	1	--	1	STOP SIGN
2R-06	R1-3P	--	1	--	--	--	ALL WAY
2R-07	R1-1	--	1	1	--	--	STOP SIGN
2R-08	R1-3P	--	1	--	--	--	ALL WAY
2R-09	R1-1	--	1	1	--	1	STOP SIGN
2R-10	R1-3P	--	1	--	--	--	ALL WAY
2R-11	W11-1	--	1	1	--	--	BICYCLE WARNING SIGN
2R-12	W16-2A	--	1	--	--	--	200 FT
2R-13	R1-3P	--	1	--	--	--	ALL WAY
2R-14	R1-1	--	1	1	--	1	STOP SIGN
2R-15	R1-3P	--	1	--	--	--	ALL WAY
2R-16	R3-52	--	1	1	--	--	CURB LANE - BICYCLES AND RIGHT TURNS ONLY
2M-01	R2-1	1	--	--	1	--	SPEED LIMIT [] MPH
3R-01	W3-1	--	1	1	--	--	STOP AHEAD
3R-02	W5-56	--	1	1	--	--	END OF ROAD MARKER W/ RED TYPE SH SHEETING
4R-01	W3-1	--	1	1	--	--	STOP AHEAD
4M-01	R2-1	1	--	--	1	--	SPEED LIMIT [] MPH
5R-01	W3-1	--	1	1	--	--	STOP AHEAD
5M-01	R2-1	1	--	--	1	--	SPEED LIMIT [] MPH
PROJECT TOTALS:		11	26	16	3	3	

CITY OF FITCHBURG

PERMANENT SIGNING

Project No. 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

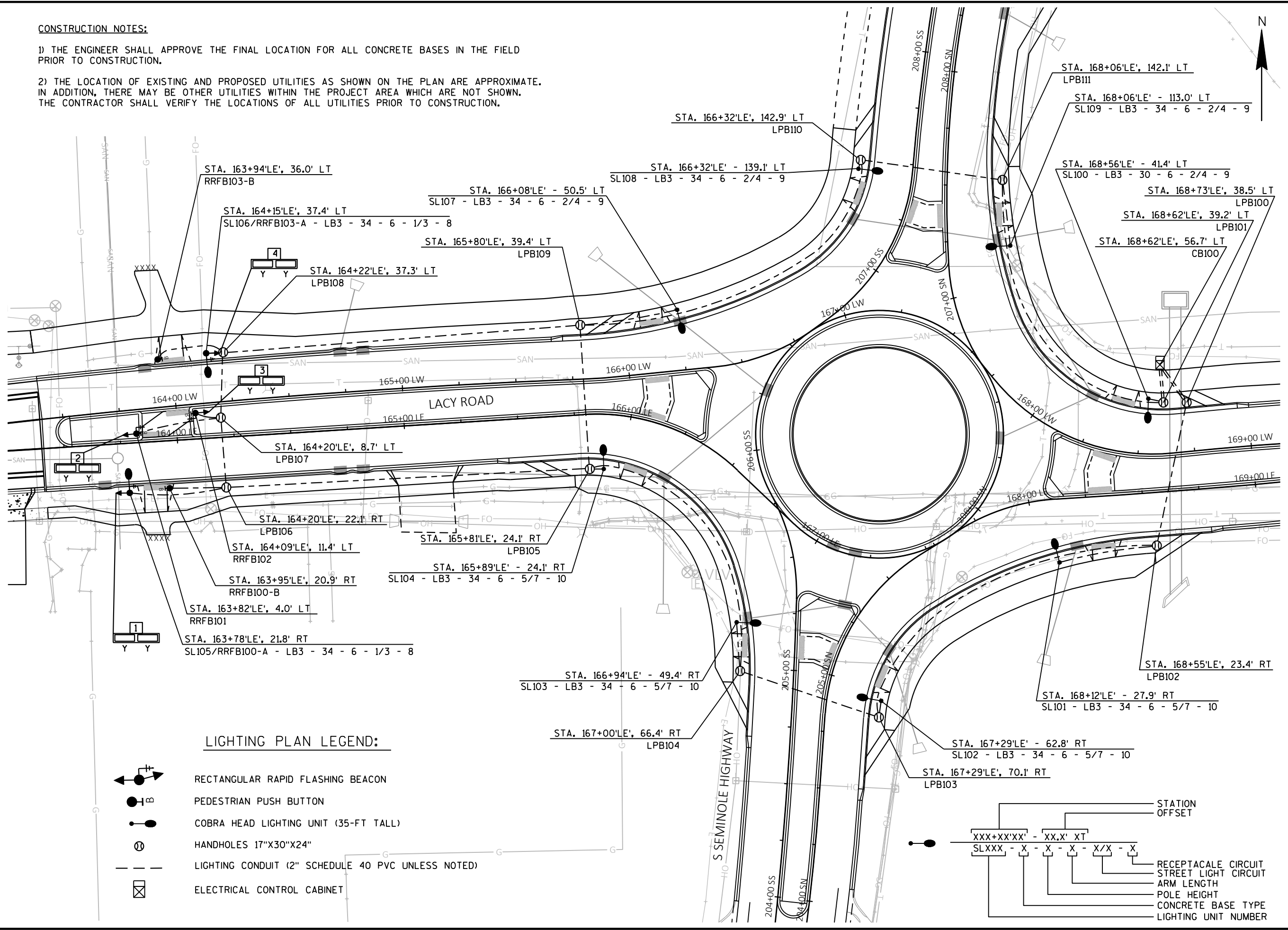
Revisions:

SHEET NO.

FILE NAME: G:\FITCHBURG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETPLAN\023601-LP.DWG
 PLOT BY: ANDREW LOBBDELL
 PLOT DATE: 1/18/2023 1:34 PM

CONSTRUCTION NOTES:

- 1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
- 2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



LIGHTING PLAN LEGEND:

- RECTANGULAR RAPID FLASHING BEACON
- PEDESTRIAN PUSH BUTTON
- COBRA HEAD LIGHTING UNIT (35-FT TALL)
- HANDHOLES 17"X30"X24"
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- ELECTRICAL CONTROL CABINET

STATION OFFSET
XXX+XX'XX' - XX.X' XT
SLXXX - X - X - X - X/X - X
RECEPTACLE CIRCUIT
STREET LIGHT CIRCUIT
ARM LENGTH
POLE HEIGHT
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER

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CITY OF FITCHBURG
 LIGHTING PLANS -
 SEMINOLE HIGHWAY

Project No: 22-3495
 Date: 01-10-2023
 Designed By: JAJ
 Drafted By: ACL
 Checked By: DJR

Revisions:

SHEET NO.
 81 of 143



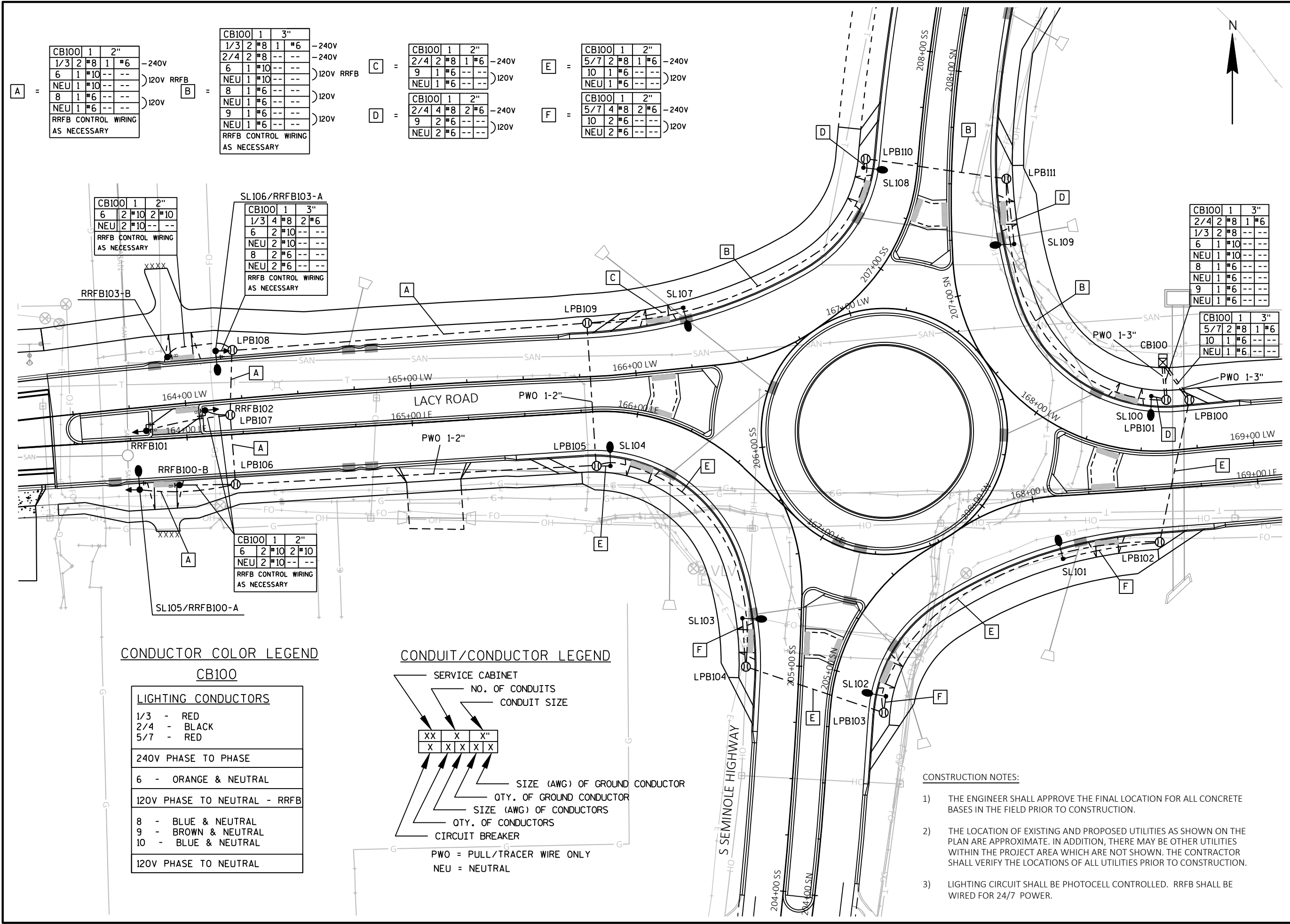
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CITY OF FITCHBURG
LIGHTING PLANS - WIRING SHEETS
 SEMINOLE HIGHWAY

Project No: 22-3495
 Date: 01-10-2023
 Designed By: JAJ
 Drafted By: ACL
 Checked By: DJR

Revisions:

SHEET NO.
 82 of 143



A	CB100	1	2"
	1/3	2	#8 1 #6
	6	1	#10
	NEU	1	#10
	8	1	#6
	NEU	1	#6
	RRFB CONTROL WIRING AS NECESSARY		

B	CB100	1	3"
	1/3	2	#8 1 #6
	2/4	2	#8
	6	1	#10
	NEU	1	#10
	8	1	#6
	NEU	1	#6
	9	1	#6
	NEU	1	#6
	RRFB CONTROL WIRING AS NECESSARY		

C	CB100	1	2"
	2/4	2	#8 1 #6
	9	1	#6
	NEU	1	#6

D	CB100	1	2"
	2/4	4	#8 2 #6
	9	2	#6
	NEU	2	#6

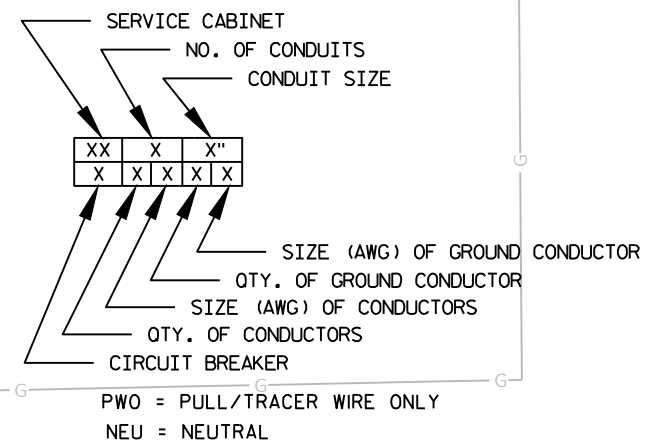
E	CB100	1	2"
	5/7	2	#8 1 #6
	10	1	#6
	NEU	1	#6

F	CB100	1	2"
	5/7	4	#8 2 #6
	10	2	#6
	NEU	2	#6

CONDUCTOR COLOR LEGEND
 CB100

LIGHTING CONDUCTORS	
1/3	- RED
2/4	- BLACK
5/7	- RED
240V PHASE TO PHASE	
6	- ORANGE & NEUTRAL
120V PHASE TO NEUTRAL - RRFB	
8	- BLUE & NEUTRAL
9	- BROWN & NEUTRAL
10	- BLUE & NEUTRAL
120V PHASE TO NEUTRAL	

CONDUIT/CONDUCTOR LEGEND



CONSTRUCTION NOTES:

- 1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
- 2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 3) LIGHTING CIRCUIT SHALL BE PHOTOCELL CONTROLLED. RRFB SHALL BE WIRED FOR 24/7 POWER.



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CITY OF FITCHBURG

PAVEMENT MARKING

LEGEND

- 1 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 2 MARKING LINE EPOXY 4-INCH (YELLOW)
- 3 MARKING LINE EPOXY 4-INCH (WHITE)
- 4 MARKING LINE EPOXY 4-INCH (3 FT LINE 9 FT SKIP-WHITE)
- 5 MARKING LINE EPOXY 8-INCH (WHITE)
- 6 MARKING ARROW EPOXY (BIKE LANE ARROW-WHITE)
- 7 MARKING WORD EPOXY (ONLY-WHITE)
- 8 MARKING SYMBOL EPOXY (BIKE LANE SYMBOL-WHITE)
- 9 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 10 MARKING CURB EPOXY (YELLOW)
- 11 MARKING ISLAND NOSE EPOXY (YELLOW)
- 12 MARKING CROSSWALK EPOXY BLOCK STYLE 18-INCH (WHITE)
- 13 MARKING DOTTED EXTENSION EPOXY 18-INCH (2 FT LINE 2 FT SKIP-WHITE)

NOTE: REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKING.

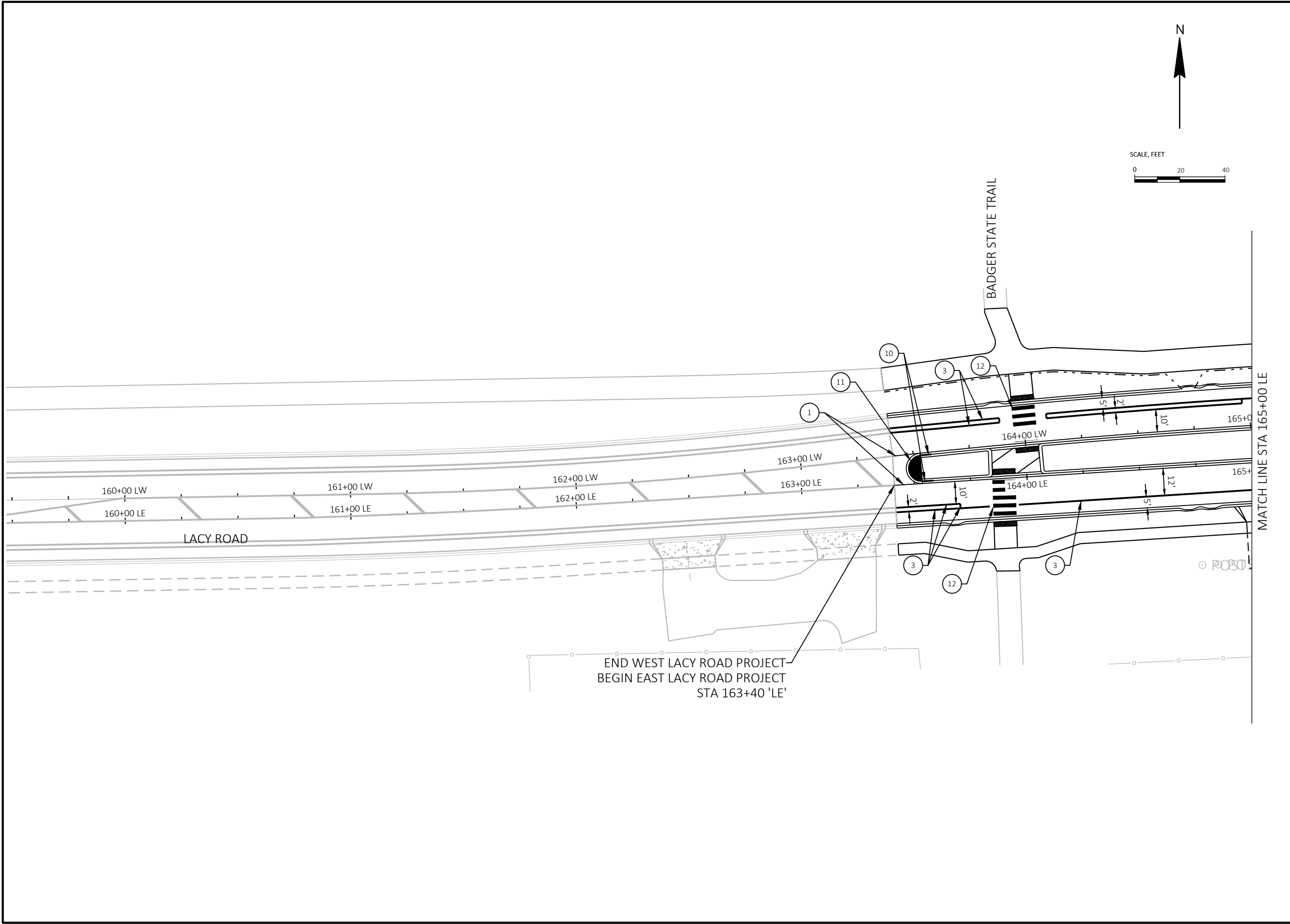
PAVEMENT MARKING SHOULD MATCH EXISTING AT BOTH ENDS OF THE PROJECT.

Project No:	22-3495
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Revisions:

SHEET NO.

83 of 143



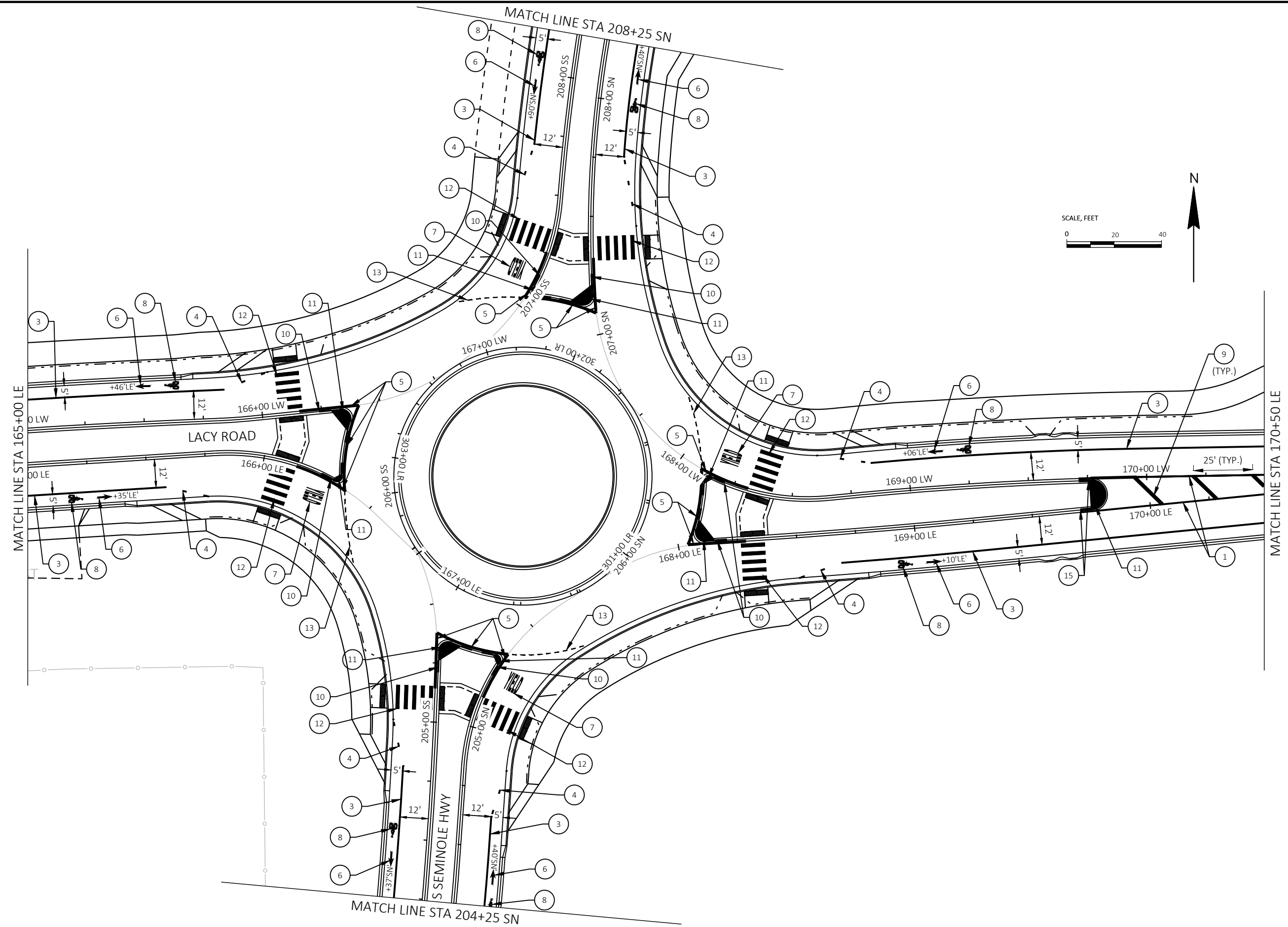
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CITY OF FITCHBURG
 PAVEMENT MARKING

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SHEET NO.
 84 of 143



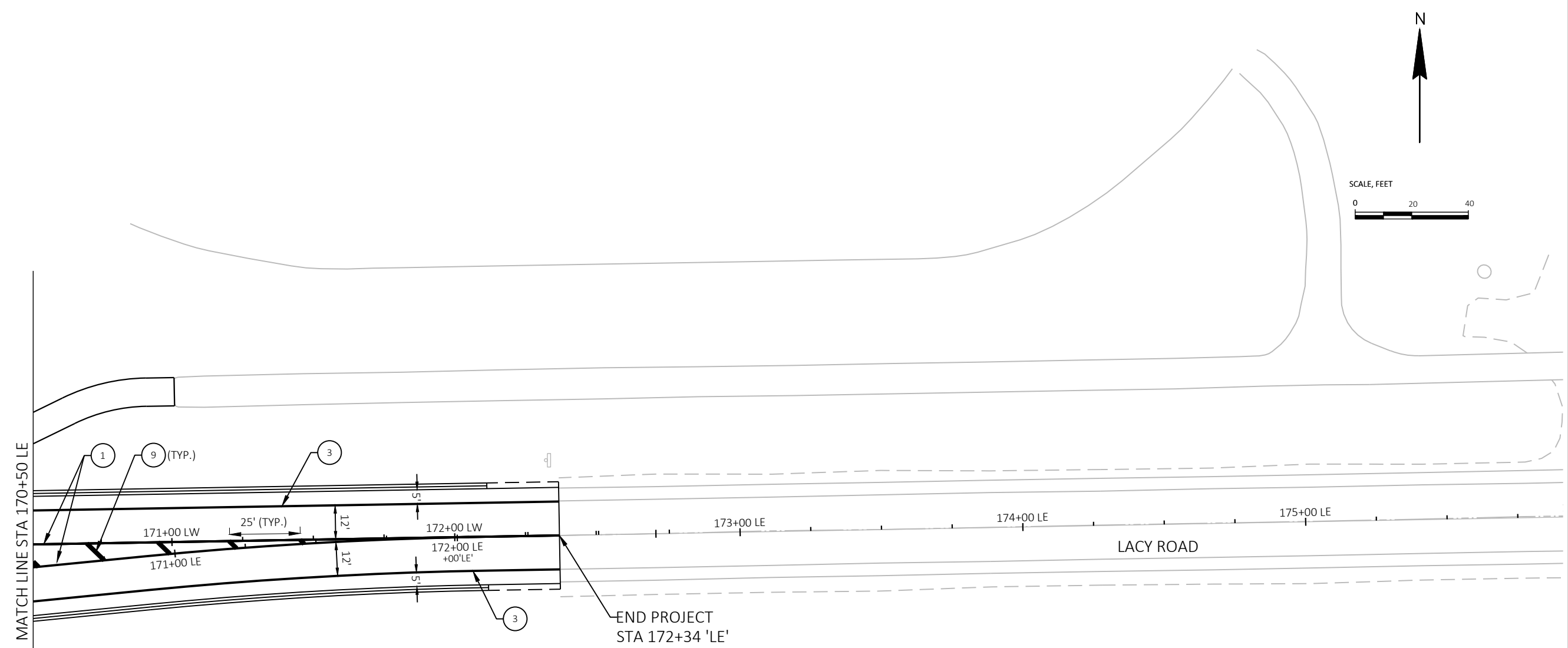
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CITY OF FITCHBURG
PAVEMENT MARKING

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 85 of 143



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CITY OF FITCHBURG

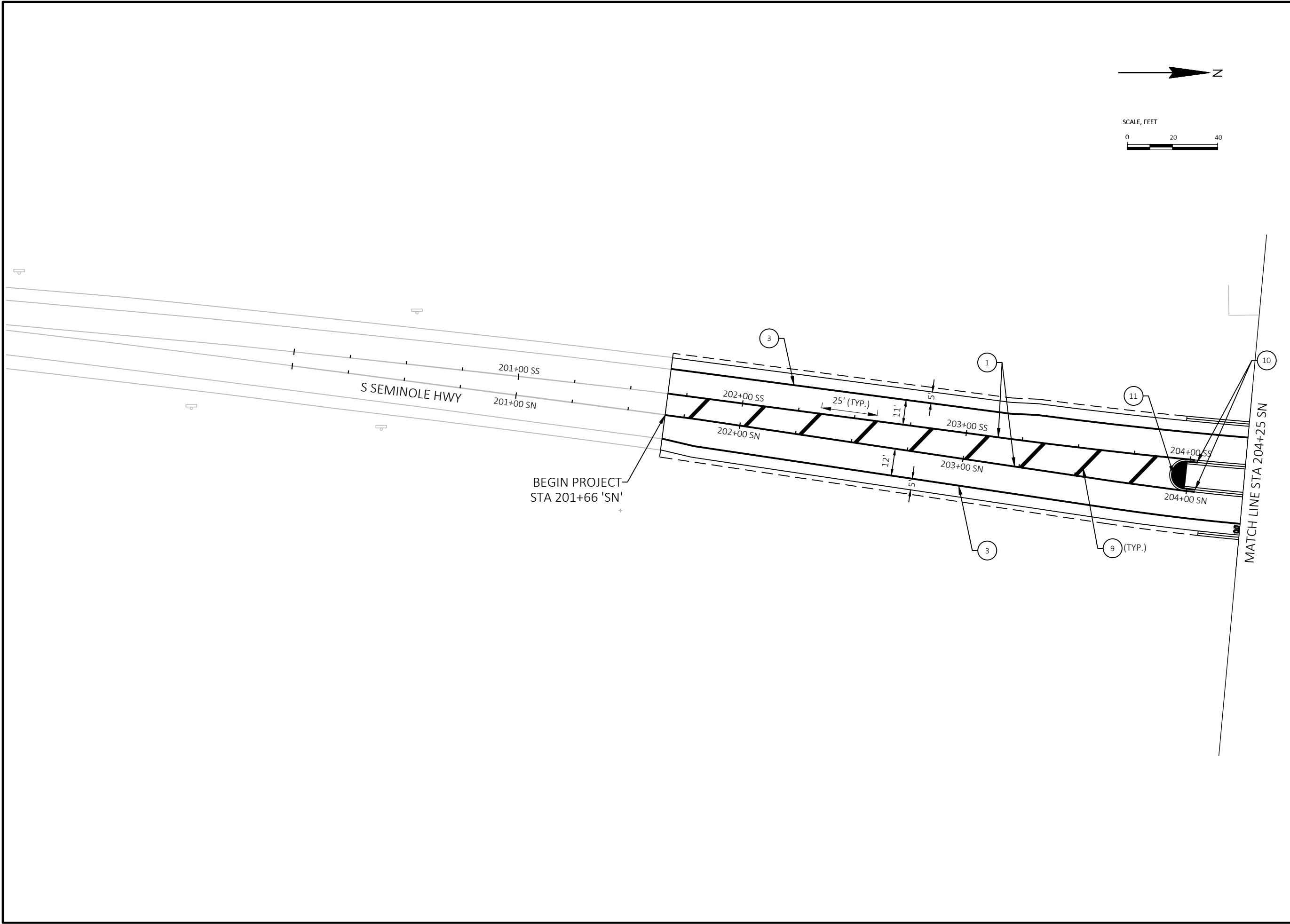
PAVEMENT MARKING

Project No:	22-3495
Date:	08-2022
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Drafted By:	BJS
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Revisions:

SHEET NO.

86 of 143



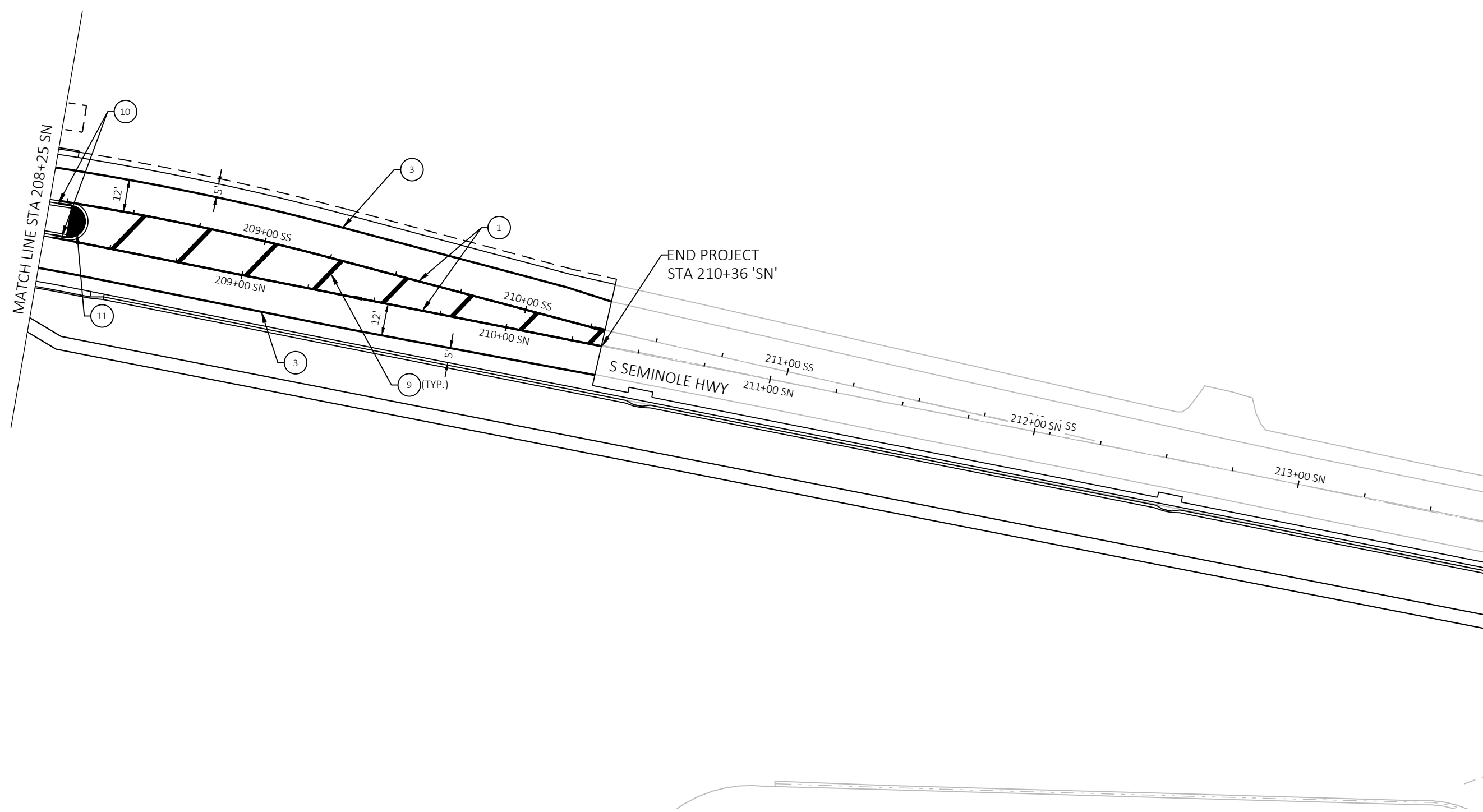
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CITY OF FITCHBURG
PAVEMENT MARKING

Project No:	22-3495
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Revisions:

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 87 of 143



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CITY OF FITCHBURG
 PAVEMENT MARKING

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.
 88 of 143

PI STA = 164+45.93 LW
 Y = 456044.370
 X = 800839.637
 DELTA = 4°26'04" RT
 D = 1°38'13"
 T = 135.51'
 L = 270.89'
 R = 3500.00'
 PC STA = 163+10.41 LW
 Y = 456028.557
 X = 800705.050
 PT STA = 165+81.30 LW
 Y = 456049.730
 X = 800975.044
 DB = N83°17'55"E
 DA = N87°44'00"E

PI STA = 165+88.57 LW
 Y = 456050.018
 X = 800982.305
 DELTA = 3°30'45" LT
 D = 24°10'32"
 T = 7.27'
 L = 14.53'
 R = 237.00'
 PC STA = 165+81.30 LW
 Y = 456049.730
 X = 800975.044
 PT STA = 165+95.83 LW
 Y = 456050.749
 X = 800989.535
 DB = N87°44'00"E
 DA = N84°13'15"E

PI STA = 166+60.57 LW
 Y = 456057.268
 X = 801053.946
 DELTA = 28°38'43" LT
 D = 63°39'43"
 T = 22.98'
 L = 45.00'
 R = 90.00'
 PC STA = 166+37.59 LW
 Y = 456054.955
 X = 801031.084
 PT STA = 166+82.59 LW
 Y = 456070.259
 X = 801072.900
 DB = N84°13'15"E
 DA = N55°34'32"E

PI STA = 167+33.02 LW
 Y = 456098.768
 X = 801114.499
 DELTA = 85°33'28" RT
 D = 105°07'48"
 T = 50.43'
 L = 81.38'
 R = 54.50'
 PC STA = 166+82.59 LW
 Y = 456070.259
 X = 801072.900
 PT STA = 167+63.97 LW
 Y = 456059.502
 X = 801146.145
 DB = N55°34'32"E
 DA = S38°52'00"E

PI STA = 168+24.95 LW
 Y = 456012.028
 X = 801184.406
 DELTA = 57°04'29" LT
 D = 63°39'43"
 T = 48.94'
 L = 89.65'
 R = 90.00'
 PC STA = 167+76.00 LW
 Y = 456050.135
 X = 801153.694
 PT STA = 168+65.66 LW
 Y = 456017.094
 X = 801233.085
 DB = S38°52'00"E
 DA = N84°03'32"E

PI STA = 169+30.73 LW
 Y = 456023.829
 X = 801297.805
 DELTA = 4°58'04" RT
 D = 3°49'11"
 T = 65.07'
 L = 130.06'
 R = 1500.00'
 PC STA = 168+65.66 LW
 Y = 456017.094
 X = 801233.085
 PT STA = 169+95.71 LW
 Y = 456024.935
 X = 801362.865
 DB = N84°03'32"E
 DA = N89°01'36"E

PI STA = 162+10.92 LW
 Y = 456016.927
 X = 800606.070
 DELTA = 5°42'30" LT
 D = 2°51'58"
 T = 99.66'
 L = 199.16'
 R = 1999.00'
 PC STA = 161+11.26 LW
 Y = 456015.200
 X = 800506.424
 PT STA = 163+10.41 LW
 Y = 456028.557
 X = 800705.050
 DB = N89°00'25"E
 DA = N83°17'55"E



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CITY OF FITCHBURG
ALIGNMENT DIAGRAM

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.
 89 of 143

PI STA = 161+24.46 LE
 Y = 456005.430
 X = 800519.795
 DELTA = 2°36'26" LT
 D = 2°17'31"
 T = 56.89'
 L = 113.76'
 R = 2500.00'
 PC STA = 160+67.56 LE
 Y = 456004.445
 X = 800462.913
 PT STA = 161+81.33 LE
 Y = 456009.003
 X = 800576.574
 DB = N89°00'25"E
 DA = N86°23'59"E

PI STA = 167+32.10 LE
 Y = 455955.096
 X = 801098.473
 DELTA = 78°32'53" LT
 D = 105°07'48"
 T = 44.57'
 L = 74.72'
 R = 54.50'
 PC STA = 166+87.53 LE
 Y = 455985.797
 X = 801066.167
 PT STA = 167+62.25 LE
 Y = 455980.663
 X = 801134.976
 DB = S46°27'34"E
 DA = N54°59'34"E

PI STA = 167+87.74 LE
 Y = 455995.286
 X = 801155.853
 DELTA = 31°37'30" RT
 D = 63°39'43"
 T = 25.49'
 L = 49.68'
 R = 90.00'
 PC STA = 167+62.25 LE
 Y = 455980.663
 X = 801134.976
 PT STA = 168+11.92 LE
 Y = 455996.790
 X = 801181.298
 DB = N54°59'34"E
 DA = N86°37'04"E

PI STA = 168+70.09 LE
 Y = 456000.221
 X = 801239.361
 DELTA = 2°13'17" LT
 D = 1°54'35"
 T = 58.16'
 L = 116.31'
 R = 3000.00'
 PC STA = 168+11.92 LE
 Y = 455996.790
 X = 801181.298
 PT STA = 169+28.24 LE
 Y = 456005.901
 X = 801297.247
 DB = N86°37'04"E
 DA = N84°23'47"E

PI STA = 171+50.15 LE
 Y = 456029.614
 X = 801638.237
 DELTA = 4°37'49" RT
 D = 3°49'11"
 T = 60.64'
 L = 121.22'
 R = 1500.00'
 PC STA = 170+89.54 LE
 Y = 456027.573
 X = 801518.132
 PT STA = 172+10.76 LE
 Y = 456028.603
 X = 801578.766
 DB = N84°23'47"E
 DA = N89°01'36"E

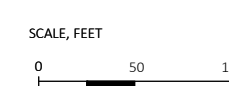
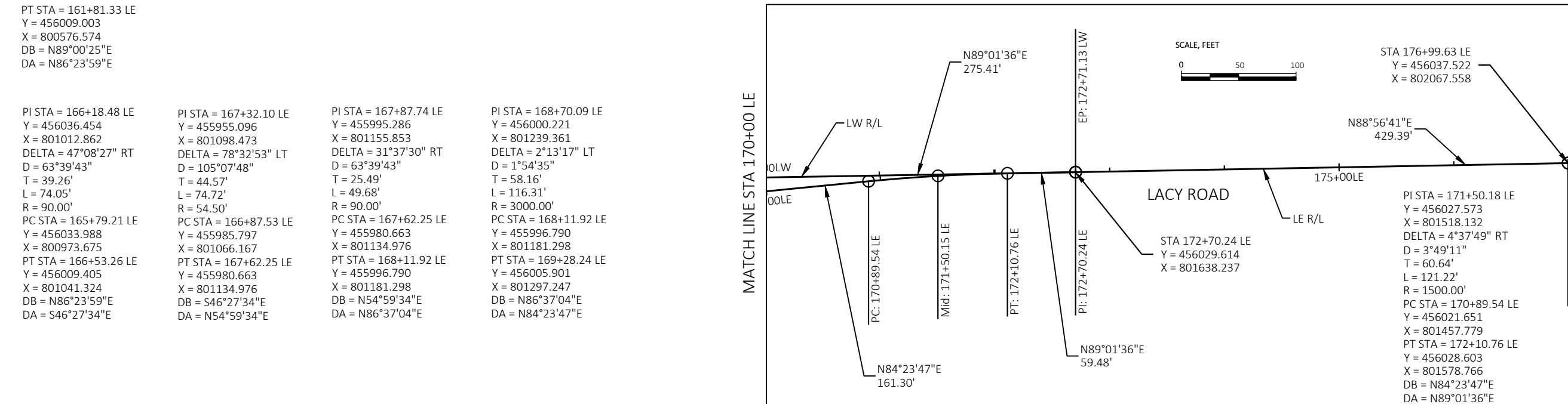
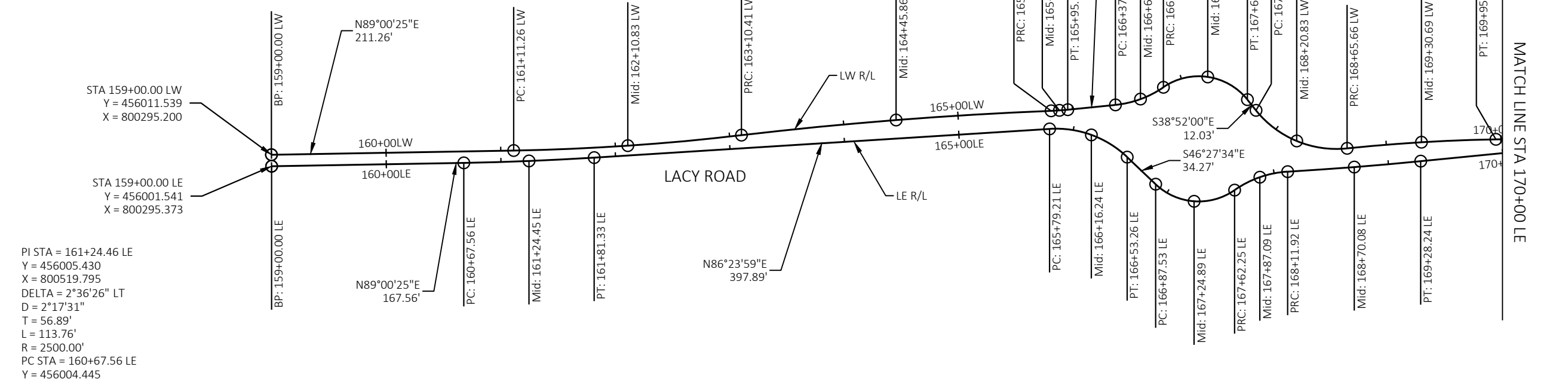
PI STA = 166+18.48 LE
 Y = 456036.454
 X = 801012.862
 DELTA = 47°08'27" RT
 D = 63°39'43"
 T = 39.26'
 L = 74.05'
 R = 90.00'
 PC STA = 165+79.21 LE
 Y = 456033.988
 X = 800973.675
 PT STA = 166+53.26 LE
 Y = 456009.405
 X = 801041.324
 DB = N86°23'59"E
 DA = S46°27'34"E

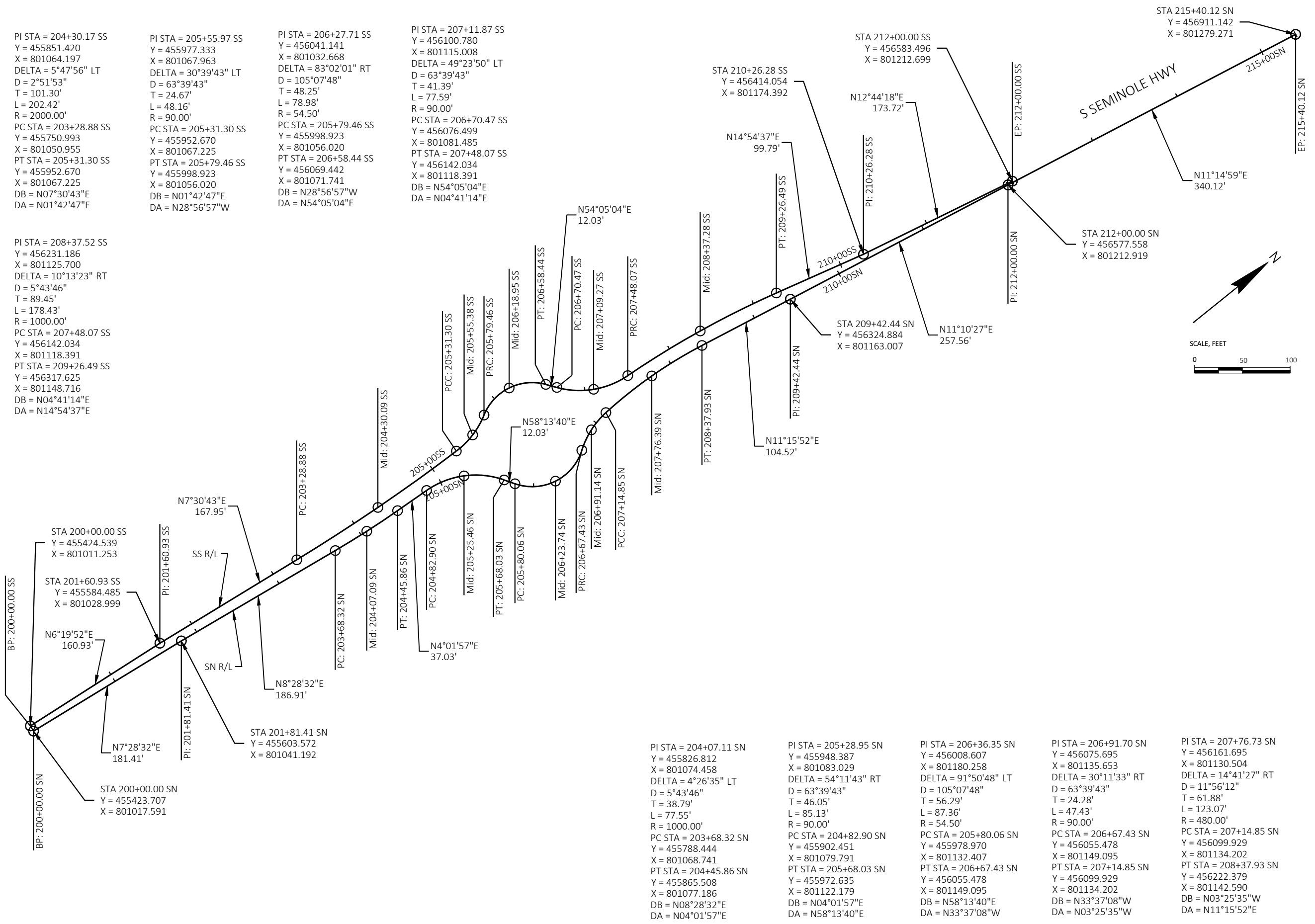
PI STA = 161+24.46 LE
 Y = 456005.430
 X = 800519.795
 DELTA = 2°36'26" LT
 D = 2°17'31"
 T = 56.89'
 L = 113.76'
 R = 2500.00'
 PC STA = 160+67.56 LE
 Y = 456004.445
 X = 800462.913
 PT STA = 161+81.33 LE
 Y = 456009.003
 X = 800576.574
 DB = N89°00'25"E
 DA = N86°23'59"E

PI STA = 167+32.10 LE
 Y = 455955.096
 X = 801098.473
 DELTA = 78°32'53" LT
 D = 105°07'48"
 T = 44.57'
 L = 74.72'
 R = 54.50'
 PC STA = 166+87.53 LE
 Y = 455985.797
 X = 801066.167
 PT STA = 167+62.25 LE
 Y = 455980.663
 X = 801134.976
 DB = S46°27'34"E
 DA = N54°59'34"E

PI STA = 167+87.74 LE
 Y = 455995.286
 X = 801155.853
 DELTA = 31°37'30" RT
 D = 63°39'43"
 T = 25.49'
 L = 49.68'
 R = 90.00'
 PC STA = 167+62.25 LE
 Y = 455980.663
 X = 801134.976
 PT STA = 168+11.92 LE
 Y = 455996.790
 X = 801181.298
 DB = N54°59'34"E
 DA = N86°37'04"E

PI STA = 168+70.09 LE
 Y = 456000.221
 X = 801239.361
 DELTA = 2°13'17" LT
 D = 1°54'35"
 T = 58.16'
 L = 116.31'
 R = 3000.00'
 PC STA = 168+11.92 LE
 Y = 455996.790
 X = 801181.298
 PT STA = 169+28.24 LE
 Y = 456005.901
 X = 801297.247
 DB = N86°37'04"E
 DA = N84°23'47"E





PI STA = 204+30.17 SS
 Y = 455851.420
 X = 801064.197
 DELTA = 5°47'56" LT
 D = 2°51'53"
 T = 101.30'
 L = 202.42'
 R = 2000.00'
 PC STA = 203+28.88 SS
 Y = 455750.993
 X = 801050.955
 PT STA = 205+31.30 SS
 Y = 455952.670
 X = 801067.225
 DB = N07°30'43"E
 DA = N01°42'47"E

PI STA = 205+55.97 SS
 Y = 455977.333
 X = 801067.963
 DELTA = 30°39'43" LT
 D = 63°39'43"
 T = 24.67'
 L = 48.16'
 R = 90.00'
 PC STA = 205+31.30 SS
 Y = 455952.670
 X = 801067.225
 PT STA = 205+79.46 SS
 Y = 455998.923
 X = 801056.020
 DB = N01°42'47"E
 DA = N28°56'57"W

PI STA = 206+27.71 SS
 Y = 456041.141
 X = 801032.668
 DELTA = 83°02'01" RT
 D = 105°07'48"
 T = 48.25'
 L = 78.98'
 R = 54.50'
 PC STA = 205+79.46 SS
 Y = 455998.923
 X = 801056.020
 PT STA = 206+58.44 SS
 Y = 456069.442
 X = 801071.741
 DB = N28°56'57"W
 DA = N54°05'04"E

PI STA = 207+11.87 SS
 Y = 456100.780
 X = 801115.008
 DELTA = 49°23'50" LT
 D = 63°39'43"
 T = 41.39'
 L = 77.59'
 R = 90.00'
 PC STA = 206+70.47 SS
 Y = 456076.499
 X = 801081.485
 PT STA = 207+48.07 SS
 Y = 456142.034
 X = 801118.391
 DB = N54°05'04"E
 DA = N04°41'14"E

PI STA = 208+37.52 SS
 Y = 456231.186
 X = 801125.700
 DELTA = 10°13'23" RT
 D = 5°43'46"
 T = 89.45'
 L = 178.43'
 R = 1000.00'
 PC STA = 207+48.07 SS
 Y = 456142.034
 X = 801118.391
 PT STA = 209+26.49 SS
 Y = 456317.625
 X = 801148.716
 DB = N04°41'14"E
 DA = N14°54'37"E

PI STA = 204+07.11 SN
 Y = 455826.812
 X = 801074.458
 DELTA = 4°26'35" LT
 D = 5°43'46"
 T = 38.79'
 L = 77.55'
 R = 1000.00'
 PC STA = 203+68.32 SN
 Y = 455788.444
 X = 801068.741
 PT STA = 204+45.86 SN
 Y = 455865.508
 X = 801077.186
 DB = N08°28'32"E
 DA = N04°01'57"E

PI STA = 205+28.95 SN
 Y = 455948.387
 X = 801083.029
 DELTA = 54°11'43" RT
 D = 63°39'43"
 T = 46.05'
 L = 85.13'
 R = 90.00'
 PC STA = 204+82.90 SN
 Y = 455902.451
 X = 801079.791
 PT STA = 205+68.03 SN
 Y = 455972.635
 X = 801122.179
 DB = N04°01'57"E
 DA = N58°13'40"E

PI STA = 206+36.35 SN
 Y = 456008.607
 X = 801180.258
 DELTA = 91°50'48" LT
 D = 105°07'48"
 T = 56.29'
 L = 87.36'
 R = 54.50'
 PC STA = 205+80.06 SN
 Y = 455978.970
 X = 801132.407
 PT STA = 206+67.43 SN
 Y = 456055.478
 X = 801149.095
 DB = N58°13'40"E
 DA = N33°37'08"W

PI STA = 206+91.70 SN
 Y = 456075.695
 X = 801135.653
 DELTA = 30°11'33" RT
 D = 63°39'43"
 T = 24.28'
 L = 47.43'
 R = 90.00'
 PC STA = 206+67.43 SN
 Y = 456055.478
 X = 801149.095
 PT STA = 207+14.85 SN
 Y = 456099.929
 X = 801134.202
 DB = N33°37'08"W
 DA = N03°25'35"W

PI STA = 207+76.73 SN
 Y = 456161.695
 X = 801130.504
 DELTA = 14°41'27" RT
 D = 11°56'12"
 T = 61.88'
 L = 123.07'
 R = 480.00'
 PC STA = 207+14.85 SN
 Y = 456099.929
 X = 801134.202
 PT STA = 208+37.93 SN
 Y = 456222.379
 X = 801142.590
 DB = N03°25'35"W
 DA = N11°15'52"E

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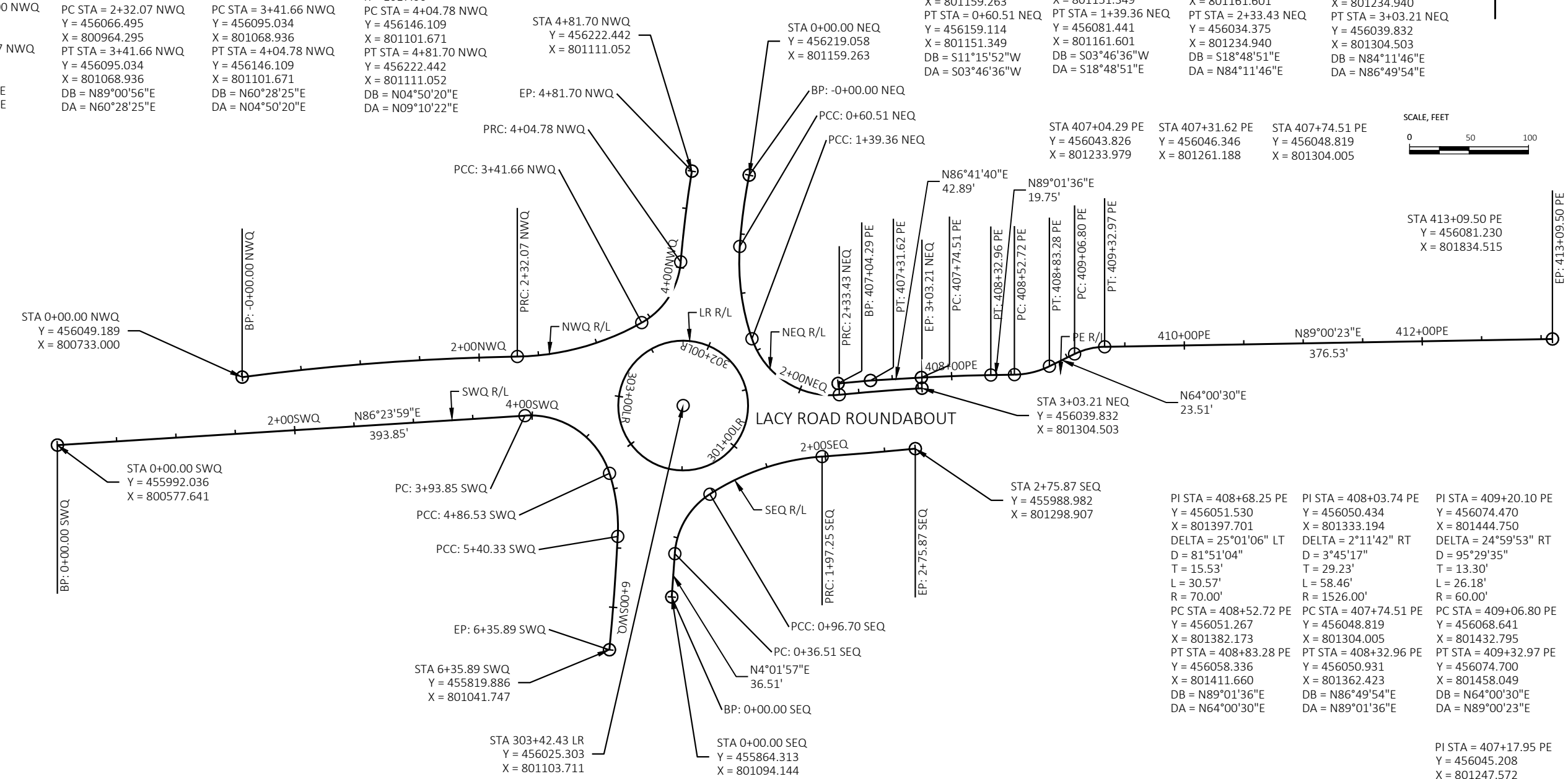
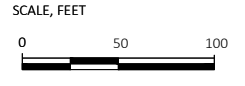
CITY OF FITCHBURG
ALIGNMENT DIAGRAM

Project No:	22-3495
Date:	08-2022
Designed By:	BJS
Drafted By:	BJS
Checked By:	DR

Revisions:	
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PI STA = 1+16.16 NWQ Y = 456064.499 X = 800848.149 DELTA = 6°35'20" RT D = 2°50'21" T = 116.16' L = 232.07' R = 2018.00' PC STA = -0+00.00 NWQ Y = 456049.189 X = 800733.000 PT STA = 2+32.07 NWQ Y = 456066.495 X = 800964.295 DB = N82°25'36"E DA = N89°00'56"E	PI STA = 2+88.03 NWQ Y = 456067.456 X = 801020.245 DELTA = 28°32'31" LT D = 26°02'37" T = 55.96' L = 109.59' R = 220.00' PC STA = 2+32.07 NWQ Y = 456066.495 X = 800964.295 PT STA = 3+41.66 NWQ Y = 456095.034 X = 801068.936 DB = N89°00'56"E DA = N60°28'25"E	PI STA = 3+75.96 NWQ Y = 456111.936 X = 801098.778 DELTA = 55°38'05" LT D = 88°08'50" T = 34.30' L = 63.12' R = 65.00' PC STA = 3+41.66 NWQ Y = 456095.034 X = 801068.936 PT STA = 4+04.78 NWQ Y = 456146.109 X = 801101.671 DB = N60°28'25"E DA = N04°50'20"E	PI STA = 4+43.26 NWQ Y = 456184.453 X = 801104.917 DELTA = 4°20'02" RT D = 5°38'02" T = 38.48' L = 76.93' R = 1017.00' PC STA = 4+04.78 NWQ Y = 456146.109 X = 801101.671 PT STA = 4+81.70 NWQ Y = 456222.442 X = 801111.052 DB = N04°50'20"E DA = N09°10'22"E
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PI STA = 0+30.30 NEQ Y = 456189.345 X = 801153.345 DELTA = 7°29'16" LT D = 12°22'30" T = 30.30' L = 60.51' R = 463.00' PC STA = -0+00.00 NEQ Y = 456219.058 X = 801159.263 PT STA = 0+60.51 NEQ Y = 456159.114 X = 801151.349 DB = S11°15'52"W DA = S03°46'36"W	PI STA = 1+00.45 NEQ Y = 456119.254 X = 801148.718 DELTA = 22°35'27" LT D = 28°38'52" T = 39.95' L = 78.86' R = 200.00' PC STA = 0+60.51 NEQ Y = 456159.114 X = 801151.349 PT STA = 1+39.36 NEQ Y = 456081.441 X = 801161.601 DB = S03°46'36"W DA = S18°48'51"E	PI STA = 1+95.03 NEQ Y = 456028.745 X = 801179.555 DELTA = 76°59'24" LT D = 81°51'04" T = 55.67' L = 94.06' R = 70.00' PC STA = 1+39.36 NEQ Y = 456081.441 X = 801161.601 PT STA = 2+33.43 NEQ Y = 456034.375 X = 801234.940 DB = N84°11'46"E DA = N84°11'46"E	PI STA = 2+68.32 NEQ Y = 456037.904 X = 801269.658 DELTA = 2°38'08" RT D = 3°46'37" T = 34.90' L = 69.78' R = 1517.00' PC STA = 2+33.43 NEQ Y = 456034.375 X = 801234.940 PT STA = 3+03.21 NEQ Y = 456039.832 X = 801304.503 DB = N84°11'46"E DA = N86°49'54"E
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PI STA = 4+48.40 SWQ Y = 456020.194 X = 801025.160 DELTA = 75°51'43" RT D = 81°51'04" T = 54.55' L = 92.68' R = 70.00' PC STA = 3+93.85 SWQ Y = 456016.768 X = 800970.713 PT STA = 4+86.53 SWQ Y = 455968.233 X = 801041.781 DB = N86°23'59"E DA = S17°44'18"E	PI STA = 5+13.72 SWQ Y = 455942.333 X = 801050.066 DELTA = 20°33'01" RT D = 38°11'50" T = 27.19' L = 53.80' R = 150.00' PC STA = 4+86.53 SWQ Y = 455968.233 X = 801041.781 PT STA = 5+40.33 SWQ Y = 455915.174 X = 801048.732 DB = S17°44'18"E DA = S02°48'43"W	PI STA = 5+88.12 SWQ Y = 455867.446 X = 801046.387 DELTA = 2°45'39" RT D = 2°53'22" T = 47.79' L = 95.55' R = 1983.00' PC STA = 5+40.33 SWQ Y = 455915.174 X = 801048.732 PT STA = 6+35.89 SWQ Y = 455819.886 X = 801041.747 DB = S02°48'43"W DA = S05°34'22"W	PI STA = 300+00.00 LR Y = 455992.922 X = 801059.873 DELTA = 360°00'00" LT D = 105°07'48" T = 0.00' L = 342.43' R = 54.50' PC STA = 300+00.00 LR Y = 455992.922 X = 801059.873 PT STA = 303+42.43 LR Y = 455992.923 X = 801059.873 DB = S36°27'04"E DA = S36°27'04"E
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PI STA = 0+68.96 SEQ Y = 455933.098 X = 801098.993 DELTA = 53°02'55" RT D = 88°08'50" T = 32.44' L = 60.18' R = 65.00' PC STA = 0+36.51 SEQ Y = 455900.736 X = 801096.712 PT STA = 0+96.70 SEQ Y = 455950.729 X = 801126.227 DB = N04°01'57"E DA = N57°04'52"E	PI STA = 1+48.06 SEQ Y = 455978.644 X = 801169.346 DELTA = 28°48'29" RT D = 28°38'52" T = 51.37' L = 100.56' R = 200.00' PC STA = 0+96.70 SEQ Y = 455950.729 X = 801126.227 PT STA = 1+97.25 SEQ Y = 455982.326 X = 801220.580 DB = N57°04'52"E DA = N85°53'21"E	PI STA = 2+36.56 SEQ Y = 455985.144 X = 801259.787 DELTA = 1°29'34" LT D = 1°53'57" T = 39.31' L = 78.61' R = 3017.00' PC STA = 1+97.25 SEQ Y = 455982.326 X = 801220.580 PT STA = 2+75.87 SEQ Y = 455988.982 X = 801298.907 DB = N85°53'21"E DA = N84°23'47"E
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PI STA = 408+68.25 PE Y = 456051.530 X = 801397.701 DELTA = 25°01'06" LT D = 81°51'04" T = 15.53' L = 30.57' R = 70.00' PC STA = 408+52.72 PE Y = 456051.267 X = 801382.173 PT STA = 408+83.28 PE Y = 456058.336 X = 801411.660 DB = N89°01'36"E DA = N64°00'30"E	PI STA = 408+03.74 PE Y = 456050.434 X = 801333.194 DELTA = 2°11'42" RT D = 3°45'17" T = 29.23' L = 58.46' R = 1526.00' PC STA = 407+74.51 PE Y = 456048.819 X = 801304.005 PT STA = 408+32.96 PE Y = 456050.931 X = 801362.423 DB = N86°49'54"E DA = N89°01'36"E	PI STA = 409+20.10 PE Y = 456074.470 X = 801444.750 DELTA = 24°59'53" RT D = 95°29'35" T = 13.30' L = 26.18' R = 60.00' PC STA = 409+06.80 PE Y = 456068.641 X = 801432.795 PT STA = 409+32.97 PE Y = 456074.700 X = 801458.049 DB = N64°00'30"E DA = N89°00'23"E	PI STA = 407+17.95 PE Y = 456045.208 X = 801247.572 DELTA = 1°01'32" RT D = 3°45'12" T = 13.66' L = 27.33' R = 1526.50' PC STA = 407+04.29 PE Y = 456043.826 X = 801233.979 PT STA = 407+31.62 PE Y = 456048.819 X = 801261.188 DB = N84°11'46"E DA = N85°13'18"E
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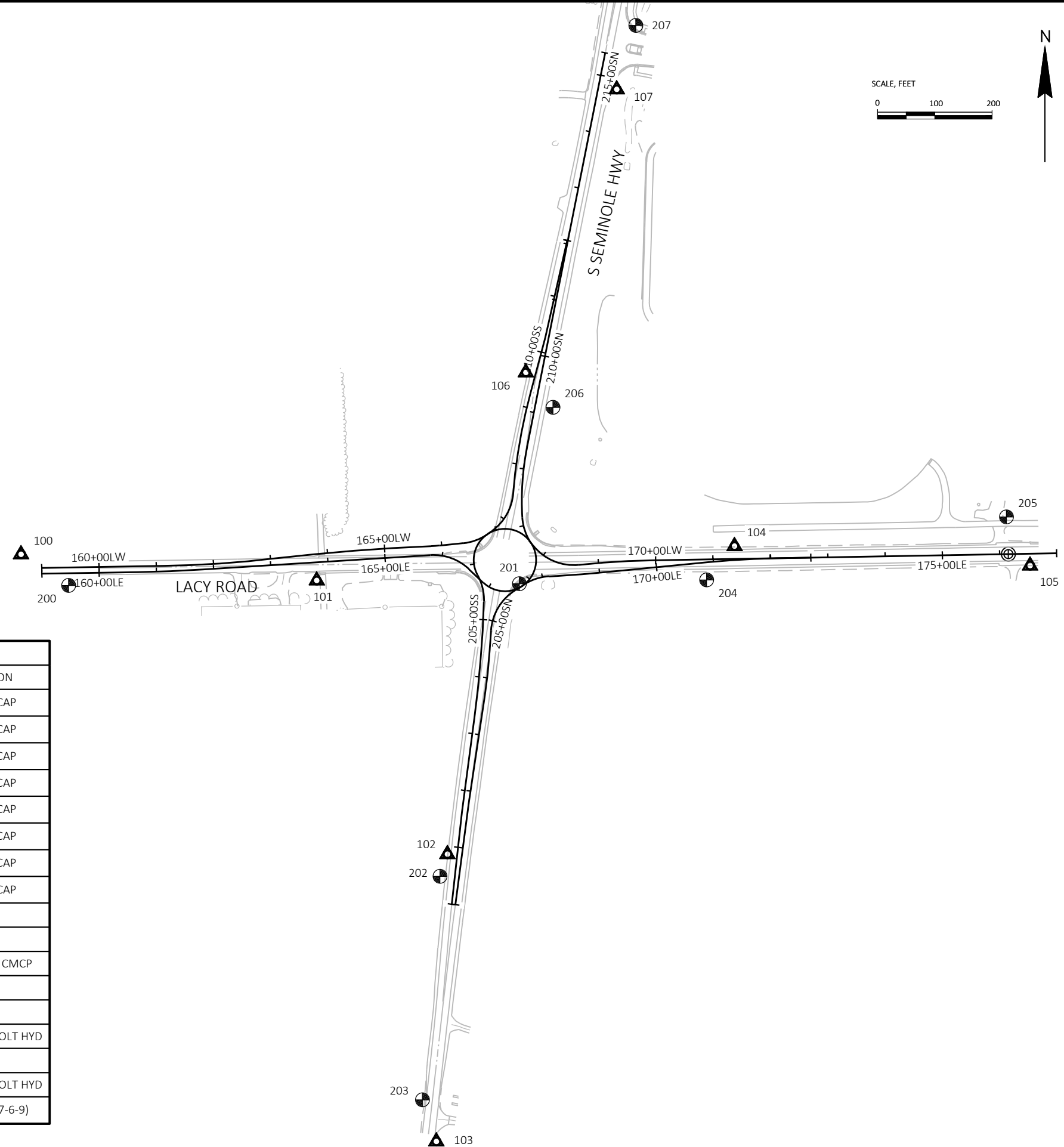
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CITY OF FITCHBURG
ALIGNMENT DIAGRAM

Project No:	22-3495
Date:	08-2022
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Revisions:	
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BENCHMARKS AND CONTROL POINTS					
POINT	Y	X	ELEV	TYPE	DESCRIPTION
100	456035.442	800258.910	1024.70	CP	5/8IN RB W/ KL CAP
101	455989.778	800775.257	1023.73	CP	5/8IN RB W/ KL CAP
102	455511.821	801003.474	1021.44	CP	5/8IN RB W/ KL CAP
103	455010.127	800984.082	1021.33	CP	5/8IN RB W/ KL CAP
104	456049.643	801504.882	1025.20	CP	5/8IN RB W/ KL CAP
105	456015.695	802021.042	1028.42	CP	5/8IN RB W/ KL CAP
106	456353.045	801140.398	1025.78	CP	5/8IN RB W/ KL CAP
107	456847.255	801299.244	1028.94	CP	5/8IN RB W/ KL CAP
200	455981.174	800342.015	1024.54	BM	RR SPIKE PPOL
201	455984.012	801129.179	1025.26	BM	RR SPIKE PPOL
202	455473.116	800990.392	1019.62	BM	CUT X TOP 24 IN CMCP
203	455082.722	800960.034	1021.94	BM	RR SPIKE PPOL
204	455990.674	801456.304	1023.09	BM	RR SPIKE PPOL
205	456100.637	801979.759	1029.12	BM	CUT X FLANGE BOLT HYD
206	456292.081	801187.880	1024.90	BM	RR SPIKE PPOL
207	456958.853	801332.476	1030.98	BM	CUT X FLANGE BOLT HYD
80003	455990.383	799364.546	1027.88	BM	ALUM MON (SE 7-6-9)



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CITY OF FITCHBURG

BENCHMARKS AND CONTROL POINTS

Project No: 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

SHEET NO.



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CITY OF FITCHBURG

MISCELLANEOUS QUANTITIES

Project No. 22-3495
 Date: 11-2022
 Designed By: BJS
 Drafted By: BJS
 Checked By: DR

Revisions:

SHEET NO.

REMOVALS

LOCATION	STATION - STATION	REMOVING CURB & GUTTER (LF)
LACY RD	BOP - 166+23'LE'	85
LACY RD	168+18'LE'-EOP	66
SEMINOLE HWY	BOP - 205+20'SN'	74
SEMINOLE HWY	207+22 'SN' - EOP	70
PROJECT 22-3495 TOTAL		295

REMOVING SMALL PIPE CULVERTS

LOCATION	STATION - STATION	REMOVING SMALL PIPE CULVERTS (EACH)	NOTE
LACY RD	BOP - 166+23'LE'	1	15-INCH CMCP
LACY RD	168+18'LE'-EOP	2	29X45-INCH RCCP
PROJECT 22-3495 TOTAL		3	

REMOVING STORM SEWER

LOCATION	STATION - STATION	REMOVING STORM SEWER 12-INCH (LF)	REMOVING STORM SEWER 18-INCH (LF)	REMOVING STORM SEWER 21-INCH (LF)	REMOVING INLETS (EACH)
POND	--	56	34	31	1
PROJECT 22-3495 TOTAL		56	34	31	1

SAWING

LOCATION	STATION - STATION	SAWING ASPHALT (LF)	SAWING CONCRETE (LF)
LACY RD	BOP - 166+23'LE'	20	-
LACY RD	168+18'LE'-EOP	44	-
SEMINOLE HWY	BOP - 205+20'SN'	42	-
SEMINOLE HWY	207+22 'SN' - EOP	514	8
PROJECT 22-3495 TOTAL		620	8

CONCRETE CURB & GUTTER

LOCATION	STATION - STATION	CONCRETE CURB & GUTTER 18-INCH (LF)	CONCRETE CURB & GUTTER 24-INCH (LF)	CONCRETE CURB & GUTTER 30-INCH (LF)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R (LF)
LACY RD	BOP - 166+23'LE'	--	1,040	246	--
LACY RD	168+18'LE'-EOP	--	1,016	255	--
SEMINOLE HWY	BOP - 205+20'SN'	--	421	237	--
SEMINOLE HWY	207+22 'SN' - EOP	--	928	267	--
ROUNDAABOUT	--	250	--	--	345
PROJECT 22-3495 TOTAL		250	3,405	1,005	345

HMA PAVEMENT

LOCATION	STATION - STATION	HMA PAVEMENT		TACK COAT (GAL)	POROUS ASPHALT PAVEMENT (SY)
		3 MT 58-28 S (TON)	5 MT 58-28 H (TON)		
LACY RD	BOP - 166+23'LE'	213	137	76	--
LACY RD	168+18'LE'-EOP	337	215	121	--
SEMINOLE HWY	BOP - 205+20'SN'	314	202	113	--
SEMINOLE HWY	207+22 'SN' - EOP	307	197	110	--
ROUNDAABOUT	--	279	179	100	--
PATHS	--	--	--	--	1,150
PROJECT 22-3495 TOTAL		1,450	930	520	1,150

BASE AGGREGATE DENSE

LOCATION	STATION - STATION	BASE AGGREGATE DENSE 3/4-INCH (TON)	BASE AGGREGATE DENSE 1 1/4-INCH (TON)	BASE AGGREGATE DENSE 3-INCH (TON)	BASE AGGREGATE OPEN-GRADED (TON)
LACY RD	BOP - 166+23'LE'	190	416	823	--
LACY RD	168+18'LE'-EOP	91	586	1,175	--
SEMINOLE HWY	BOP - 205+20'SN'	156	540	1,144	--
SEMINOLE HWY	207+22 'SN' - EOP	218	562	1,147	--
ROUNDAABOUT	--	--	636	971	--
PATHS	--	--	--	--	880
PROJECT 22-3495 TOTAL		655	2,740	5,260	880

CONCRETE PAVEMENT

LOCATION	STATION - STATION	CONCRETE DRIVEWAY 7-INCH (SY)	CONCRETE TRUCK APRON 12-INCH RED (SY)
LACY RD	BOP - 166+23'LE'	25	--
ROUNDAABOUT	--	--	385
PROJECT 22-3495 TOTAL		25	385

CONCRETE SIDEWALK

LOCATION	STATION - STATION	CONCRETE SIDEWALK 5-INCH (SF)	CONCRETE SIDEWALK 7-INCH (SF)	CONCRETE SIDEWALK 5-INCH RED STAMPED (SF)	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (SF)
LACY RD	BOP - 166+23'LE'	1,107	1,091	3,103	160
LACY RD	168+18'LE'-EOP	--	500	2,024	80
SEMINOLE HWY	BOP - 205+20'SN'	--	492	1,413	80
SEMINOLE HWY	207+22 'SN' - EOP	3,813	447	1,220	80
PROJECT 22-3495 TOTAL		4,920	2,530	7,760	400



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CONCRETE MEDIAN SLOPED NOSE		
LOCATION	STATION	CONCRETE MEDIAN SLOPED NOSE (SF)
LACY RD	163+51'LE'	51
LACY RD	166+32'LE'	7
LACY RD	166+24'LE'	38
LACY RD	168+11'LE'	38
LACY RD	168+14'LE'	7
LACY RD	169+78'LE'	56
SEMINOLE HWY	203+96'SN'	56
SEMINOLE HWY	205+30'SN'	7
SEMINOLE HWY	205+23'SN'	37
SEMINOLE HWY	207+16'SN'	37
SEMINOLE HWY	207+19'SN'	7
SEMINOLE HWY	208+36'SN'	59
PROJECT 22-3495 TOTAL		400

EROSION CONTROL MISCELLANEOUS			
LOCATION	CONCRETE COLLARS FOR PIPE (EACH)	RIPRAP MEDIUM (CY)	TEMPORARY RIPRAP (CY)
PROJECT	2	34	27
PROJECT 22-3495 TOTAL	2	34	27

RESTORATION				
LOCATION	STATION - STATION	TOPSOIL (SY)	BASIN SEEDING (LB)	FERTILIZER TYPE B (CWT)
ROUNDAABOUT POND	--	505	0	0.1
	--	0	322	0.0
UNDISTRIBUTED - +25% TYPICAL		135	83	0.0
PROJECT 22-3495 TOTAL		640	405	0.1

LANDSCAPING											
LOCATION	NOTE	SHREDDED HARDWOOD BARK MULCH (SY)	AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (EACH)	BERGAMOT PURPLE (3-5' TALL) (EACH)	BUTTERFLY WEED ORANGE (1-2' TALL) (EACH)	WESTERN SUNFLOWER YELLOW (2-3' TALL) (EACH)	CONEFLOW PURPLE (3-4' TALL) (EACH)	SKY BLUE ASTER LAVENDAR (2-3' TALL) (EACH)	COREOPSI S YELLOW (2-3' TALL) (EACH)	LITTLE BLUESTEM (2-3' TALL) (EACH)	SWITCHGRASS (3-6' TALL) (EACH)
ROUNDAABOUT CENTER ISLAND		505	3	29	213	170	174	75	140	102	63
PROJECT 22-3495 TOTAL		505	3	29	213	170	174	75	140	102	63

ASPHALTIC FLUMES		
LOCATION	STATION	ASPHALTIC FLUMES (SY)
LACY RD	BOP - 166+23'LE'	--
LACY RD	168+18'LE'-EOP	--
SEMINOLE HWY	BOP - 205+20'SN'	20
SEMINOLE HWY	207+22'SN' - EOP	5
PROJECT 22-3495 TOTAL		25

PAVEMENT MARKING											
LOCATION	MARKING LINE EPOXY 4-INCH (WHITE) (LF)	MARKING LINE EPOXY 8-INCH (WHITE) (LF)	MARKING ARROW EPOXY (EACH)	MARKING WORD EPOXY (EACH)	MARKING SYMBOL EPOXY (EACH)	MARKING DOTTED EXTENSION EPOXY 18-INCH (LF)	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (LF)	MARKING CROSSWALK EPOXY BLOCK STYLE 18-INCH (LF)	MARKING CURB EPOXY (LF)	MARKING ISLAND NOSE EPOXY (EACH)	
PROJECT	2944	2640	315	8	4	8	131	294	500	120	12
PROJECT 22-3495 TOTAL	2,944	2,640	315	8	4	8	131	294	500	120	12

CITY OF FITCHBURG

MISCELLANEOUS QUANTITIES

Project No. 22-3495
 Date: 11-2022
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 Checked By: DR

Revisions:

SHEET NO.

UNDERDRAIN

LOCATION	STATION - STATION	PIPE UNDERDRAIN 6-INCH (LF)
LACY RD	BOP - 166+23'LE'	409
LACY RD	168+18'LE'-EOP	304
SEMINOLE HWY	BOP - 205+20'SN'	164
SEMINOLE HWY	207+22'SN' - EOP	117
PROJECT 22-3495 TOTAL		994

RRFB									
LIGHT NUMBER	STATION	OFFSET	R/L	657.0100	657.0420	658.0500	SPV.0060.XX	SPV.0060.XX	RRFB EA
				PEDESTAL BASES EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	PEDESTRIAN PUSH BUTTON EACH	CONCRETE BASES TYPE G EACH	FURNISH AND INSTALL RRFB EA	
CATEGORY 0020									
RRFB	100-A	163+75'LE'	21.8'	RT	--	--	--	--	--
RRFB	100-B	163+95'LE'	20.9'	RT	1	1	1	1	--
RRFB	101	163+82'LE'	4.0'	LT	1	1	1	1	--
RRFB	102	164+09'LE'	11.4'	LT	1	1	1	1	--
RRFB	103-A	164+15'LE'	37.4'	LT	--	--	--	--	--
RRFB	103-B	163+94'LE'	36.0'	LT	1	1	1	1	--
PROJECT									
PROJECT TOTAL					4	4	4	4	1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTS									
LIGHT NUMBER	STATION	OFFSET	R/L	SPV.0060.XX	SPV.0060.XX	655.0610*			
				CONCRETE BASES TYPE LB-3 EACH	TYPE B COMMERCIAL/RESIDENTIAL EACH	ELECTRICAL WIRE LIGHTING 12AWG LF			
CATEGORY 0020									
SL	100	168+56'LE'	41.4'	LT	1		1		114
SL	101	168+12'LE'	279'	RT	1		1		114
SL	102	167+29'LE'	70.1'	RT	1		1		114
SL	103	166+94'LE'	49.4'	RT	1		1		114
SL	104	165+89'LE'	24.1'	RT	1		1		114
SL	105	163+78'LE'	21.8'	RT	1		1		114
SL	106	164+15'LE'	37.3'	LT	1		1		114
SL	107	166+08'LE'	50.5'	LT	1		1		114
SL	108	166+32'LE'	139.1'	LT	1		1		114
SL	109	168+06'LE'	113.0'	LT	1		1		114
PROJECT TOTAL					10		10		1140

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

LIGHTING CONTROL									
CABINET NUMBER	STATION	OFFSET	R/L	654.0230	656.0200.01	659.2130			
				CONCRETE CONTROL CABINET BASES TYPE L30 EACH	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LACY RD & SEMINOLE HWY) LS	LIGHTING CONTROL CABINETS 120/240 30-INCH EACH			
CATEGORY 0020									
CB100	168+62'LE'	56.7'	LT	1		1			1
PROJECT TOTAL					1	1			1

LIGHTING CONDUIT AND WIRE									
FROM	-	TO	652.0225	652.0235	655.0610*	655.0615	655.0620	655.0625	REMARKS
			SCHEDULE 40 2-INCH LF	SCHEDULE 40 3-INCH LF	12 AWG LF	10 AWG LF	8 AWG LF	6 AWG LF	
CATEGORY 0020									
CB 100	-	LPB 100	--	20	--	--	76	114	--
CB 100	-	LPB 100	--	20	38	--	--	--	PULL WIRE ONLY
CB 100	-	LPB 101	--	15	33	--	--	--	PULL WIRE ONLY
CB 100	-	LPB 101	--	15	--	66	132	165	--
LPB 100	-	LPB 102	65	--	--	--	162	243	--
LPB 102	-	SL 101	45	--	--	--	232	348	--
LPB 102	-	LPB 103	155	--	--	--	342	513	--
LPB 103	-	SL 102	10	--	--	--	92	138	--
LPB 103	-	LPB 104	65	--	--	--	162	243	--
LPB 104	-	SL 103	25	--	--	--	152	228	--
LPB 104	-	LPB 105	125	--	--	--	282	423	--
LPB 105	-	SL 104	10	--	--	--	46	69	--
LPB 105	-	LPB 109	65	--	81	--	--	--	PULL WIRE ONLY
LPB 105	-	LPB 106	160	--	176	--	--	--	PULL WIRE ONLY
LPB 106	-	RRFB 100-B	25	--	--	228	--	--	--
LPB 106	-	SL 105	45	--	--	116	116	174	--
LPB 106	-	LPB 107	30	--	--	92	92	138	--
LPB 107	-	RRFB 101	40	--	--	318	--	--	--
LPB 107	-	RRFB 102	10	--	--	138	--	--	--
LPB 107	-	LPB 108	30	--	--	92	92	138	--
LPB 108	-	SL 106	--	10	--	92	92	138	--
LPB 108	-	RRFB 103-B	30	--	--	258	--	--	--
LPB 108	-	LPB 109	155	--	--	342	342	513	--
LPB 109	-	SL 107	45	--	--	--	116	174	--
LPB 109	-	LPB 110	--	155	--	342	684	855	--
LPB 110	-	SL 108	10	--	--	--	92	138	--
LPB 110	-	LPB 111	--	60	--	152	304	380	--
LPB 111	-	SL 109	30	--	--	--	172	258	--
LPB 111	-	LPB 101	--	135	--	302	604	755	--
LPB 101	-	SL 100	10	--	--	--	92	138	--
PROJECT TOTAL			1185	430	328	2538	4476	6283	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE



KL Engineering
 [A] Better Experience
 5400 King James Way
 Suite 200
 Madison, WI. 53719
 Phone: (608) 663-1218
 Phone: (800)-810-4012
 http://klengineering.com
 email@klengineering.com

CITY OF FITCHBURG
 LIGHTING PLANS - MQ'S
 SEMINOLE HIGHWAY

Project No: 22-3495
 Date: 01-10-2023
 Designed By: JAJ
 Drafted By: ACL
 Checked By: DJR

Revisions:

SHEET NO.



TRANSPORTATION PROJECT PLAT TITLE SHEET

22-3495

LACY ROAD RECONSTRUCTION

LACY ROAD & SEMINOLE HIGHWAY INTERSECTION

LACY ROAD

DANE COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE	---	SECTION CORNER SYMBOL		R/W MONUMENT (TO BE SET)	●
QUARTER LINE	---	SECTION CORNER MONUMENT		NON-MONUMENTED R/W POINT	○
SIXTEENTH LINE	---	GEODETIC SURVEY MONUMENT		FOUND IRON PIN (3/4-INCH UNLESS NOTED)	IP
NEW REFERENCE LINE	---	SIXTEENTH CORNER MONUMENT		OFF-PREMISE SIGN	
NEW R/W LINE	---	SIGN		COMPENSABLE	
EXISTING R/W OR HE LINE	---	OFF-PREMISE SIGN		NON-COMPENSABLE	
PROPERTY LINE	---	ELECTRIC POLE		TELEPHONE POLE	
LOT, TIE & OTHER MINOR LINES	---	PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		ACCESS RESTRICTED BY ACQUISITION	
SLOPE INTERCEPT	---	NO ACCESS (BY STATUTORY AUTHORITY)		NO ACCESS (BY PREVIOUS PROJECT OR CONTROL)	
CORPORATE LIMITS	---	NO ACCESS (NEW HIGHWAY)		PARCEL NUMBER (25)	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	---	PARALLEL OFFSETS		UTILITY NUMBER (40)	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	---	BRIDGE		TO BE REMOVED	
TEMPORARY LIMITED EASEMENT AREA	---	CULVERT			
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	---				
TRANSMISSION STRUCTURES	---				

CONVENTIONAL ABBREVIATIONS

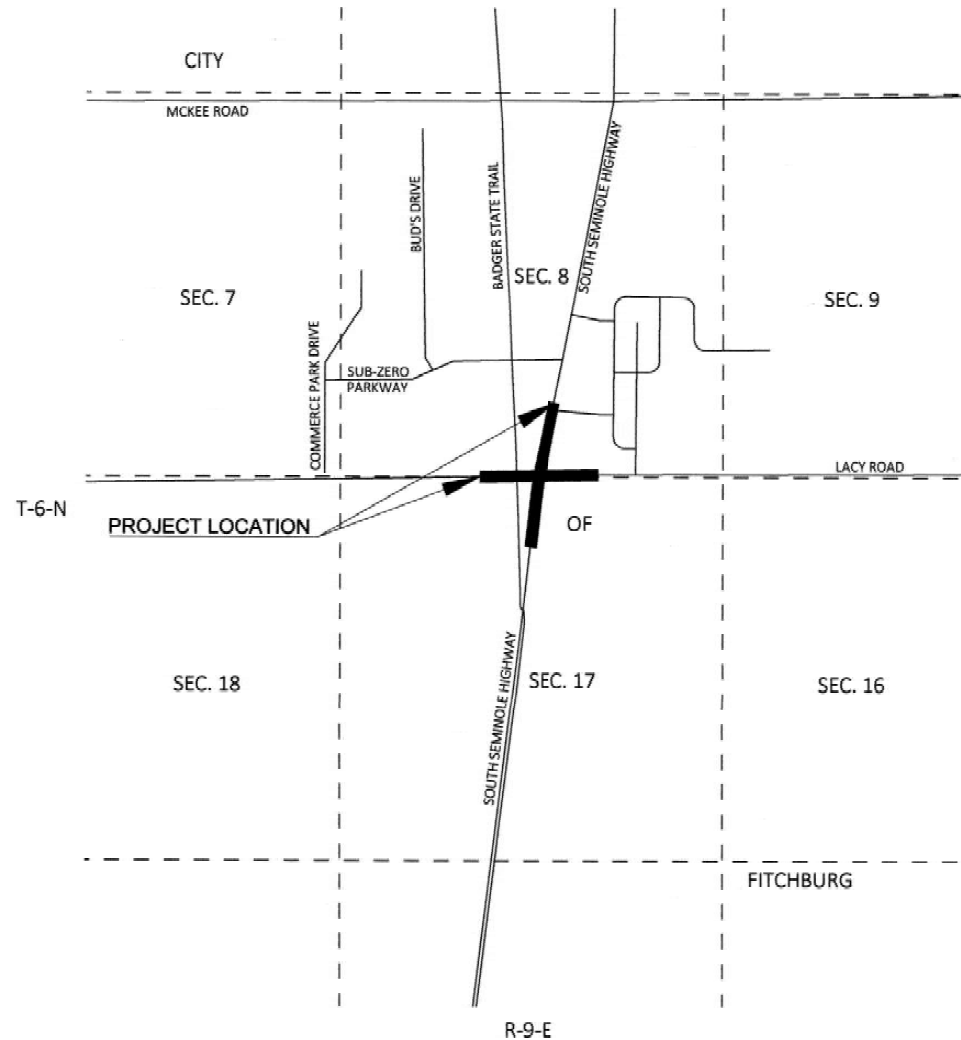
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS (100')	
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
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		

CURVE DATA ABBREVIATIONS

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

CONVENTIONAL UTILITY SYMBOLS

WATER	---
GAS	---
TELEPHONE	---
OVERHEAD TRANSMISSION LINES	---
ELECTRIC	---
CABLE TELEVISION	---
FIBER OPTIC	---
SANITARY SEWER	---
STORM SEWER	---
ELECTRIC TOWER	⊠



THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 22-3495

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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.

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, 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 DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING/ZONING DEPARTMENT OF THE CITY OF FITCHBURG.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

INFORMATION FOR THE BASIS OF HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

TRANSPORTATION PROJECT PLAT NO: 22-3495 - 4.01, AMENDMENT NO. 1

AMENDS PARCEL 3 AND UTILITY NUMBERS 104 & 105 OF TRANSPORTATION PROJECT PLAT 22-3495-4.01 RECORDED AS DOCUMENT NUMBER 5821244 AND FILED IN 61-050B OF PLATS ON PAGES 363-365.

THAT PART OF LOT 2 OF CSM 8023 (RECORDED IN V. 42, P. 313-316 AS DOC. 2719369) AND PART OF OUTLOT 4 OF CRESCENT CROSSING (DOC. 5593593), LOCATED IN AND INCLUDING PART OF THE SE 1/4 OF THE SW 1/4 OF SECTION 8, AND INCLUDING PART OF THE NE 1/4 OF THE NW 1/4 OF SECTION 17, ALL IN T-6-N, R-9-E, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LACY ROAD, LACY ROAD RECONSTRUCTION, (LACY ROAD & SEMINOLE HIGHWAY INTERSECTION), DANE COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF FITCHBURG DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

- TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF FITCHBURG
- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
 - THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF FITCHBURG, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

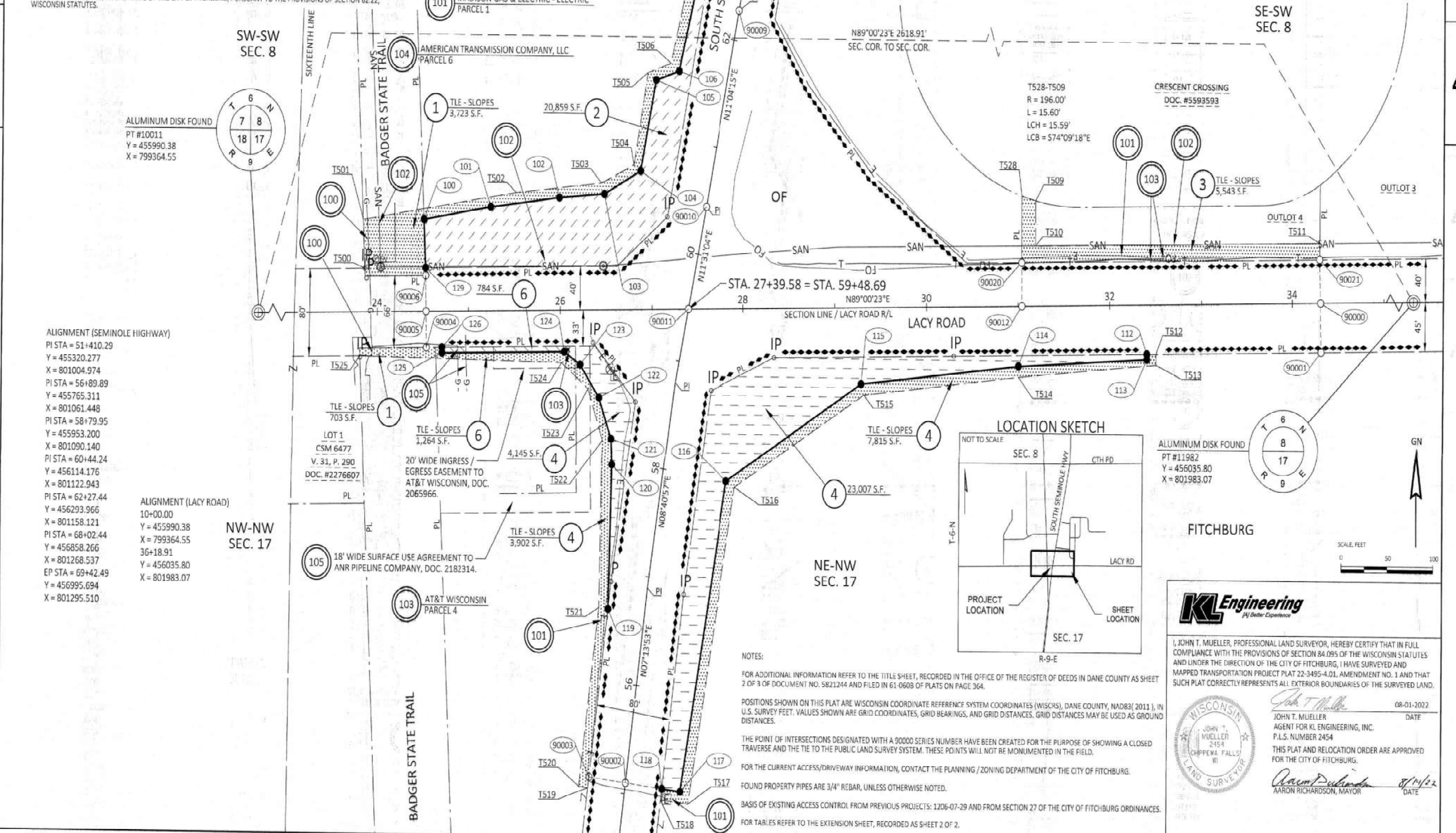
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	RAW S.F. REQUIRED			TLE S.F.
			NEW	EXISTING	TOTAL	
1	WISCONSIN DEPARTMENT OF TRANSPORTATION	TLE	-----	-----	-----	4,426
2	ANNA M. O'BRIEN	FEE/TLE	20,859	-----	20,859	5,366
3	VH CC, L.L.C.	TLE	-----	-----	-----	5,543
4	PATRICK J. & THOMAS G. O'BRIEN & LEASEHOLD INTEREST TO O'BRIEN SOLAR FIELDS, LLC & MADISON GAS & ELECTRIC COMPANY	FEE/TLE	27,152	-----	27,152	11,717
6	ANR PIPELINE COMPANY, A DELAWARE CORPORATION	FEE/TLE	784	-----	784	1,264

Office of Register of Deeds
Dane County, Wisconsin
Received for Record August 22nd
20 22 at 2:46 o'clock P M
and recorded in vol. 61-072A
of Plats on page 434-435
Registered by:
Rita Stelbel City Deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 22-3495-4.01
SHEET 1 OF 2
AMENDMENT NO. 1

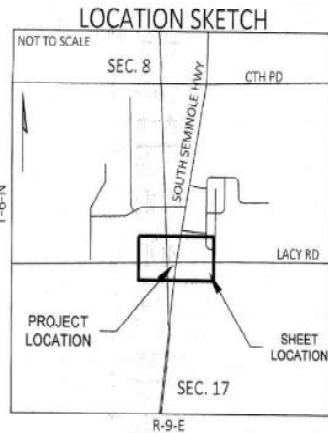
4

4



ALIGNMENT (SEMINOLE HIGHWAY)
 PI STA = 51+410.29
 Y = 455320.277
 X = 801004.974
 PI STA = 56+89.89
 Y = 455765.311
 X = 801061.448
 PI STA = 58+79.95
 Y = 455953.200
 X = 801090.140
 PI STA = 60+44.24
 Y = 456114.176
 X = 801122.943
 PI STA = 62+27.44
 Y = 456293.966
 X = 801158.121
 PI STA = 68+02.44
 Y = 456858.266
 X = 801268.537
 EP STA = 69+42.49
 Y = 456995.694
 X = 801295.510

ALIGNMENT (LACY ROAD)
 10+00.00
 Y = 455990.38
 X = 799364.55
 36+18.91
 Y = 456035.80
 X = 801983.07



NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 5821244 AND FILED IN 61-0608 OF PLATS ON PAGE 364.

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

THE POINT OF INTERSECTIONS DESIGNATED WITH A 90000 SERIES NUMBER HAVE BEEN CREATED FOR THE PURPOSE OF SHOWING A CLOSED TRAVERSE AND THE TIE TO THE PUBLIC LAND SURVEY SYSTEM. THESE POINTS WILL NOT BE MONUMENTED IN THE FIELD.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING/ZONING DEPARTMENT OF THE CITY OF FITCHBURG.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

BASIS OF EXISTING ACCESS CONTROL FROM PREVIOUS PROJECTS: 1206-07-29 AND FROM SECTION 27 OF THE CITY OF FITCHBURG ORDINANCES.

FOR TABLES REFER TO THE EXTENSION SHEET, RECORDED AS SHEET 2 OF 2.

KL Engineering
[A Better Experience]

I, JOHN T. MUELLER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF FITCHBURG, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 22-3495-4.01, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

John T. Mueller 08-01-2022
DATE

JOHN T. MUELLER
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2454

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF FITCHBURG.

Aaron Richardson 07/11/22
AARON RICHARDSON, MAYOR DATE

WISCONSIN LAND SURVEYOR
JOHN T. MUELLER
2454
CHIPPewa FALLS, WI

TRANSPORTATION PROJECT PLAT NO: 22-3495 - 4.01, AMENDMENT NO. 1
EXTENSION SHEET

RELOCATION ORDER LACY ROAD, LACY ROAD RECONSTRUCTION, (LACY ROAD & SEMINOLE HIGHWAY INTERSECTION), DANE COUNTY.

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 5821244 AND FILED IN 61-0608 OF PLATS ON PAGE 364.

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

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
100	MADISON GAS & ELECTRIC - GAS	66' WIDE EASEMENT, DOC. 1515718	1
101	MADISON GAS & ELECTRIC - ELECTRIC	66' WIDE EASEMENT, DOC. 1515718	1
101	MADISON GAS & ELECTRIC - ELECTRIC	6' WIDE PUBLIC EASEMENT, DOC. 5593593	3
101	MADISON GAS & ELECTRIC - ELECTRIC	10' WIDE EASEMENT, DOC. 5704051 & 5704052	4
102	CITY OF FITCHBURG - SANITARY SEWER	10' WIDE PUBLIC EASEMENT, DOC. 5645520	2
102	CITY OF FITCHBURG - SANITARY SEWER	36' WIDE PUBLIC EASEMENT, DOC. 5593593	3
103	AT&T WISCONSIN	6' WIDE PUBLIC EASEMENT, DOC. 5593593	3
103	AT&T WISCONSIN	6' WIDE EASEMENT, DOC. 3030619	3
103	AT&T WISCONSIN	BLANKET EASEMENT, DOC. 3371173	4
103	AT&T WISCONSIN	8' X 8' EASEMENT, DOC. 2065966	6
104	AMERICAN TRANSMISSION COMPANY, LLC	66' WIDE EASEMENT, DOC. 4605458	1
105	ANR PIPELINE COMPANY	18' WIDE EASEMENT, DOC. 2182314	4

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
102	CITY OF FITCHBURG - SANITARY SEWER	RELEASE OF RIGHTS
103	AT&T WISCONSIN	RELEASE OF RIGHTS
104	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
105	ANR PIPELINE COMPANY	RELEASE OF RIGHTS

HIGHWAY	BASIS OF EXISTING R/W
SOUTH SEMINOLE HIGHWAY	PREVIOUS R/W PROJECT 1206-01-29, PLAT OF CRESCENT CROSSING & CSM 8023.
LACY ROAD	PREVIOUS R/W PROJECTS 1206-07-29 & 21-3494, PLAT OF CRESCENT CROSSING, CSM 8023 & CSM 6477.
BADGER STATE TRAIL	V. 2633, P. 3 DOC. 1699653

TLE Station & Offset Table (Seminole Highway)

Point No.	Station	Offset
T504	60+66.00	85.00' LT
T505	61+52.00	87.00' LT
T506	61+65.00	64.00' LT
T507	63+62.00	55.00' LT
T508	63+62.00	40.00' LT
T516	57+96.00	80.00' RT
T517	56+00.00	70.00' RT
T518	55+00.00	40.00' RT
T519	55+00.00	40.00' LT
T520	55+00.00	50.00' LT
T521	56+65.00	80.00' LT
T522	58+15.00	70.00' LT
T523	58+69.00	83.00' LT

R/W Station & Offset Table (Seminole Highway)

Point No.	Station	Offset	Y	X
104	60+62.00	77.00' LT	456146.39	801050.79
105	61+47.00	77.00' LT	456229.81	801067.11
106	61+60.00	54.00' LT	456238.15	801092.18
107	63+53.00	45.00' LT	456425.83	801138.07
108	63+53.00	40.00' LT	456424.87	801142.96
116	56+00.00	70.00' RT	455883.59	801147.27
117	55+10.00	60.00' RT	455579.30	801098.33
118	55+10.00	40.00' RT	455581.82	801078.40
119	56+65.00	40.00' LT	455745.66	801018.63
120	57+85.00	50.00' LT	455877.67	801021.96
121	58+18.00	61.00' LT	455901.16	801020.49
122	58+53.00	80.00' LT	455938.63	801006.99
90002	55+10.00	0.00' RT	455886.85	801038.00
90003	55+10.00	40.00' LT	455591.89	800998.12
90008	63+53.00	0.00' RT	456417.19	801182.23
90009	62+27.44	0.00' RT	456293.97	801158.12
90010	60+44.24	0.00' RT	456114.19	801122.94

R/W COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
11982	90000	S89° 00' 23"W	188.57'
90000	90001	S00° 59' 37"E	45.00'
90001	112	S89° 00' 23"W	190.34'
112	113	S00° 59' 37"E	5.00'
113	114	S89° 57' 39"W	140.09'
114	115	S84° 01' 20"W	172.65'
115	116	S58° 19' 04"W	171.81'
116	117	S09° 46' 04"W	288.47'
117	118	N82° 46' 07"W	20.00'
118	90002	N82° 46' 07"W	40.00'
90002	90003	N82° 46' 07"W	40.00'
90003	119	N07° 13' 53"E	155.00'
119	120	N01° 26' 32"E	132.06'
120	121	N03° 34' 56"W	23.54'
121	122	N19° 48' 47"W	36.82'
122	123	N34° 52' 28"W	36.41'
123	124	N56° 46' 34"W	20.81'
124	125	S89° 00' 23"W	134.00'
125	126	N00° 59' 37"W	5.00'
126	90004	S89° 00' 23"W	16.97'
90004	90005	N00° 59' 37"W	33.00'
90005	90006	N00° 59' 42"W	33.00'
90006	128	N02° 36' 46"W	7.00'
128	100	N02° 36' 46"W	44.42'
100	101	N80° 47' 33"E	74.18'
101	102	N82° 55' 04"E	75.43'
102	103	N85° 30' 10"E	49.09'
103	104	N81° 24' 52"E	44.79'
104	105	N11° 04' 16"E	85.00'
105	106	N71° 35' 42"E	26.42'
106	107	N13° 44' 26"E	193.21'
107	108	S78° 55' 45"E	5.00'
108	90008	S78° 55' 45"E	40.00'
90008	90009	S11° 04' 15"W	125.56'
90009	90010	S11° 04' 15"W	183.20'
90010	90011	S11° 31' 04"W	95.55'
90011	90012	N89° 00' 23"E	364.76'
90012	90020	N00° 59' 37"W	40.00'
90020	90021	N89° 00' 23"E	326.00'
90021	90003	S00° 59' 37"E	40.00'
10011	90006	N89° 00' 23"E	1453.03'
90006	90011	N89° 00' 23"E	286.55'
90011	90012	N89° 00' 23"E	364.76'
90012	90003	N89° 00' 23"E	200.66'

TLE Station & Offset Table (Lacy Road)

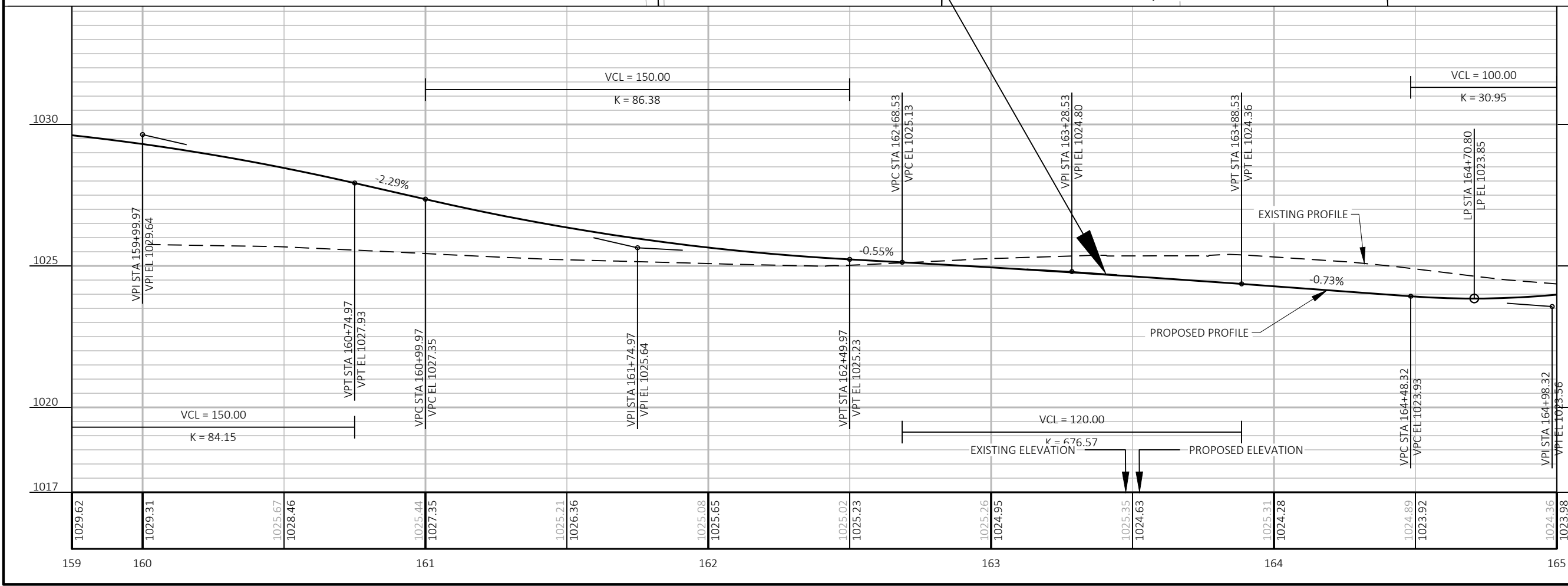
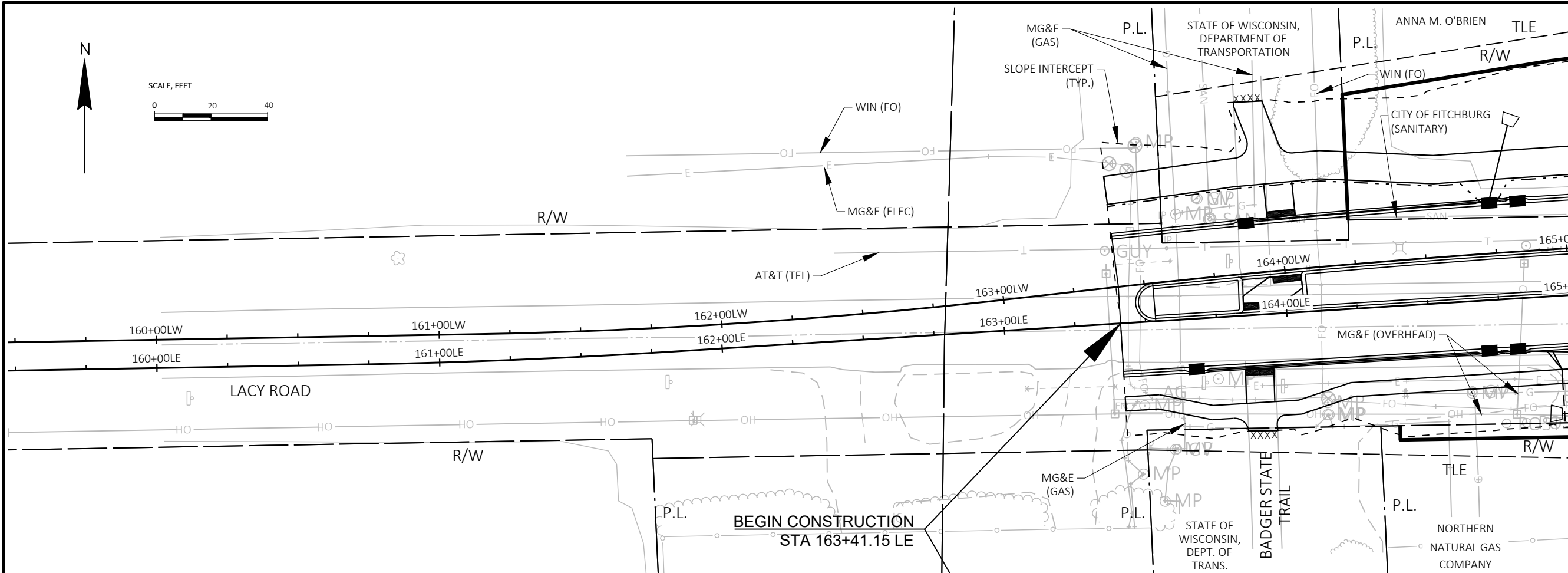
Point No.	Station	Offset
T500	23+86.80	40.00' LT
T501	23+85.54	84.74' LT
T502	25+53.00	108.00' LT
T503	26+46.00	116.00' LT
T504	26+81.70	132.33' LT
T509	31+20.32	96.32' LT
T510	31+19.60	55.00' LT
T511	34+30.00	55.00' LT
T512	32+50.00	45.00' RT
T513	32+50.00	55.00' RT
T514	31+00.00	65.00' RT
T515	29+31.00	80.00' RT
T523	26+29.49	72.13' RT
T524	26+01.00	48.00' RT
T525	23+80.68	40.00' RT
T528	31+05.40	100.04' LT

R/W Station & Offset Table (Lacy Road)

Point No.	Station	Offset	Y	X
100	24+51.58	84.40' LT	456099.94	800814.44
101	25+26.00	95.00' LT	456111.81	800887.57
102	26+00.00	103.00' LT	456121.11	800962.52
103	26+49.00	105.00' LT	456124.96	801011.46
104	26+86.69	126.74' LT	456146.39	801050.79
112	32+40.00	45.00' RT	455984.23	801604.99
113	32+40.00	50.00' RT	455979.24	801605.06
114	31+00.00	55.00' RT	455971.81	801465.18
115	29+26.00	70.00' RT	455953.83	801293.47
122	26+41.30	80.23' RT	455938.63	801008.99
123	26+21.00	50.00' RT	455968.50	800986.17
124	26+04.00	38.00' RT	455980.20	800968.96
125	24+70.00	38.00' RT	455977.88	800834.98
126	24+70.00	33.00' RT	455982.88	800834.90
129	24+52.83	40.00' LT	456055.57	800816.47
90000	33+05.00	0.00' RT	456030.36	801669.20
90001	33+05.00	45.00' RT	455985.36	801669.98
90004	24+53.03	33.00' RT	455982.59	800817.93
90005	24+53.03	0.00' RT	456015.58	800817.36
90006	24+53.03	33.00' LT	456048.58	800816.78
90011	27+39.58	0.00' RT	456020.55	801103.86
90012	31+04.34	0.00' RT	456026.88	801468.57
90020	31+04.34	40.00' LT	456006.07	801467.88
90021	34+30.34	40.00' LT	456072.52	801793.83

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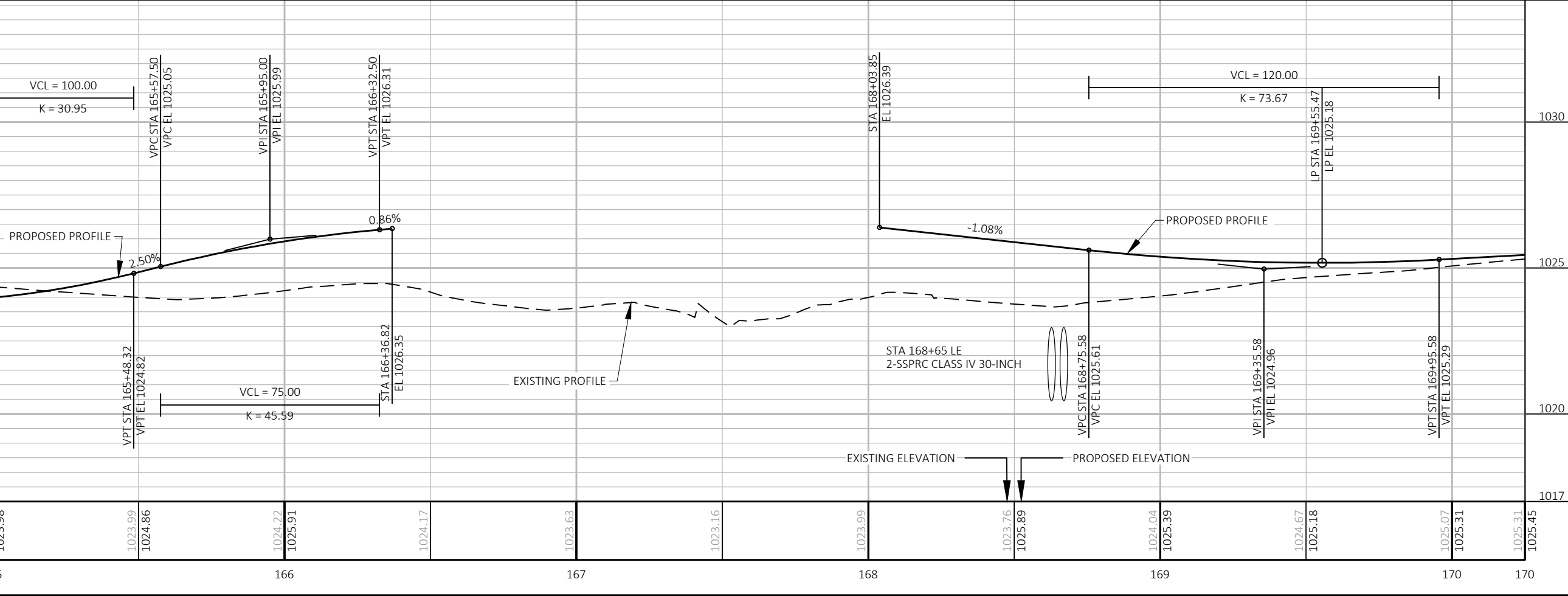
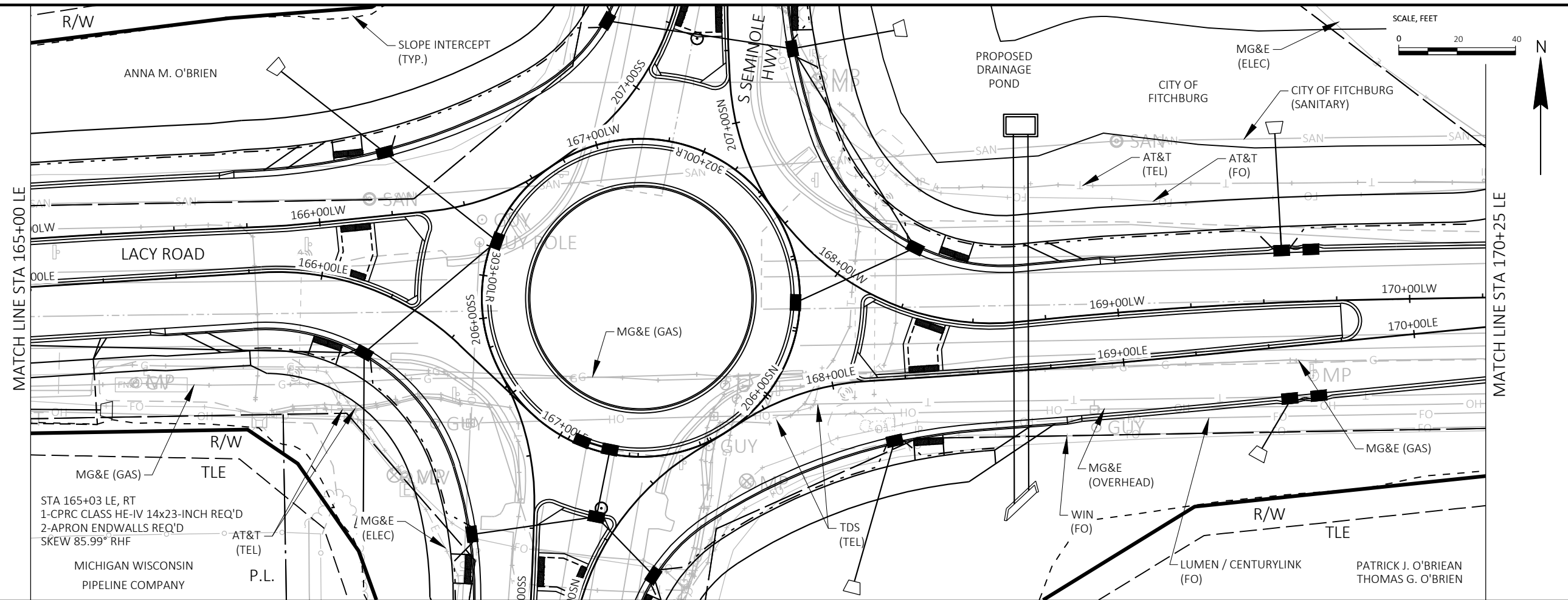
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PLAN & PROFILE
LACY ROAD EASTBOUND 'LE'

Project No: 22-3495
 Date: 08-2022
 Designed By: BJS
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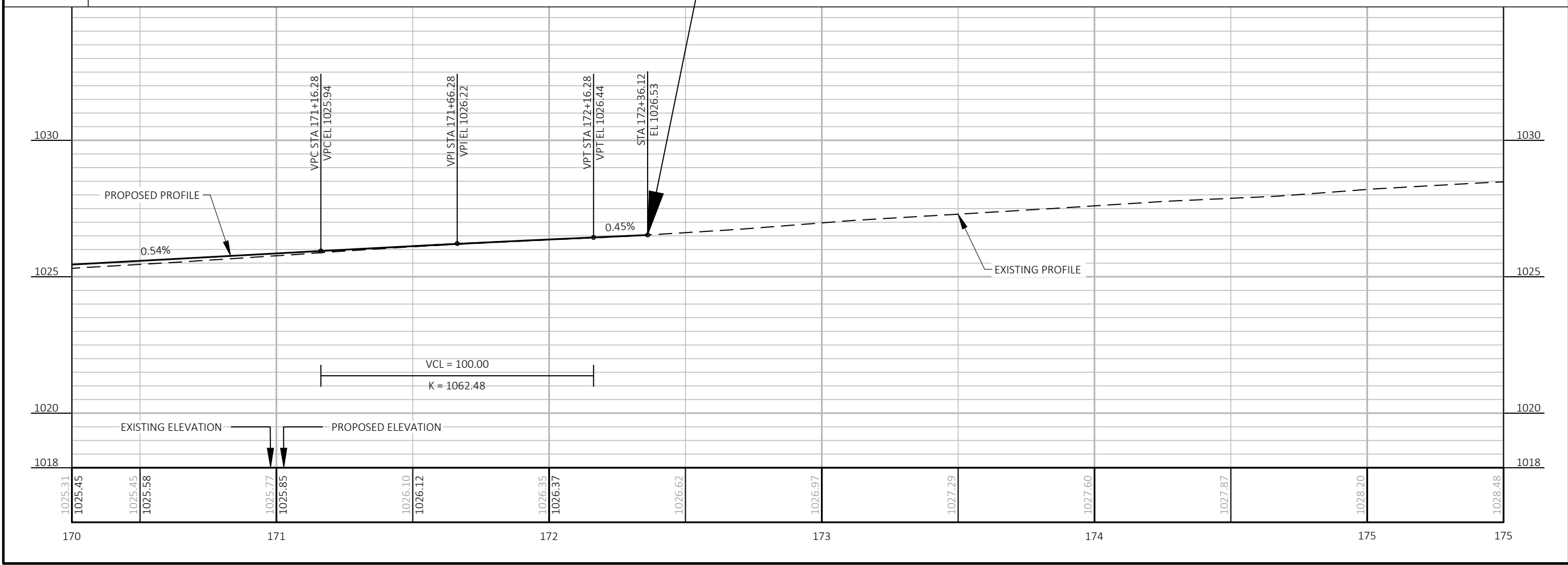
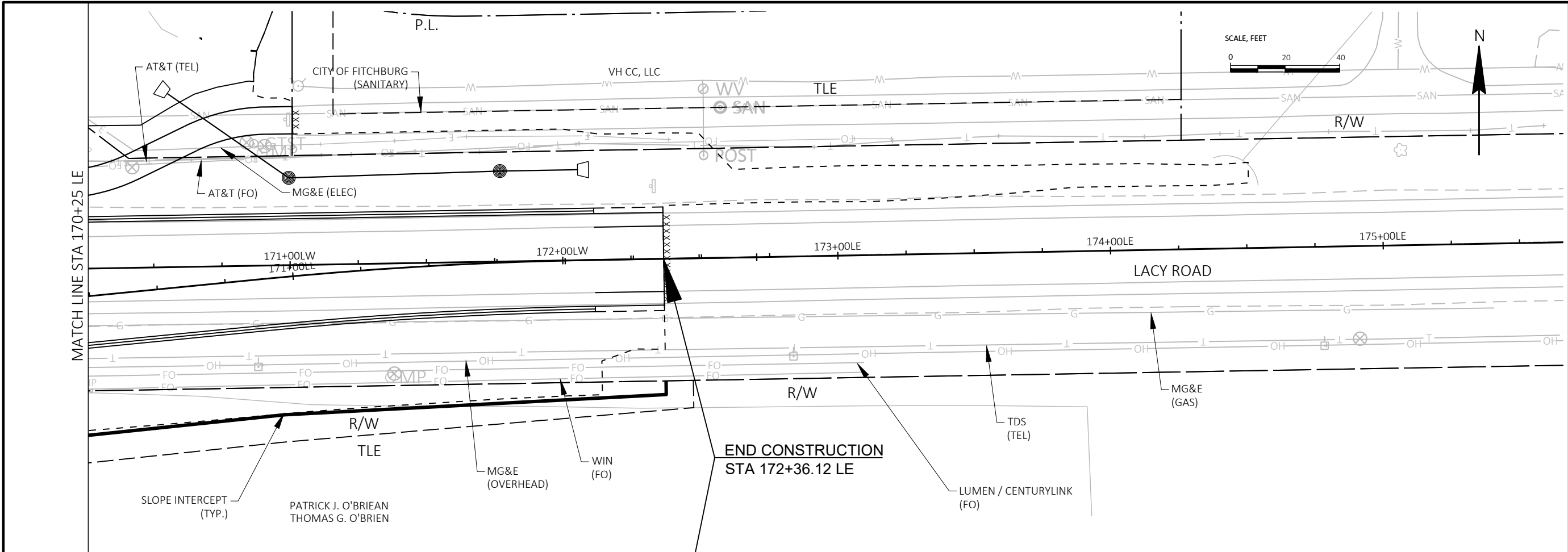
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 100 of 143

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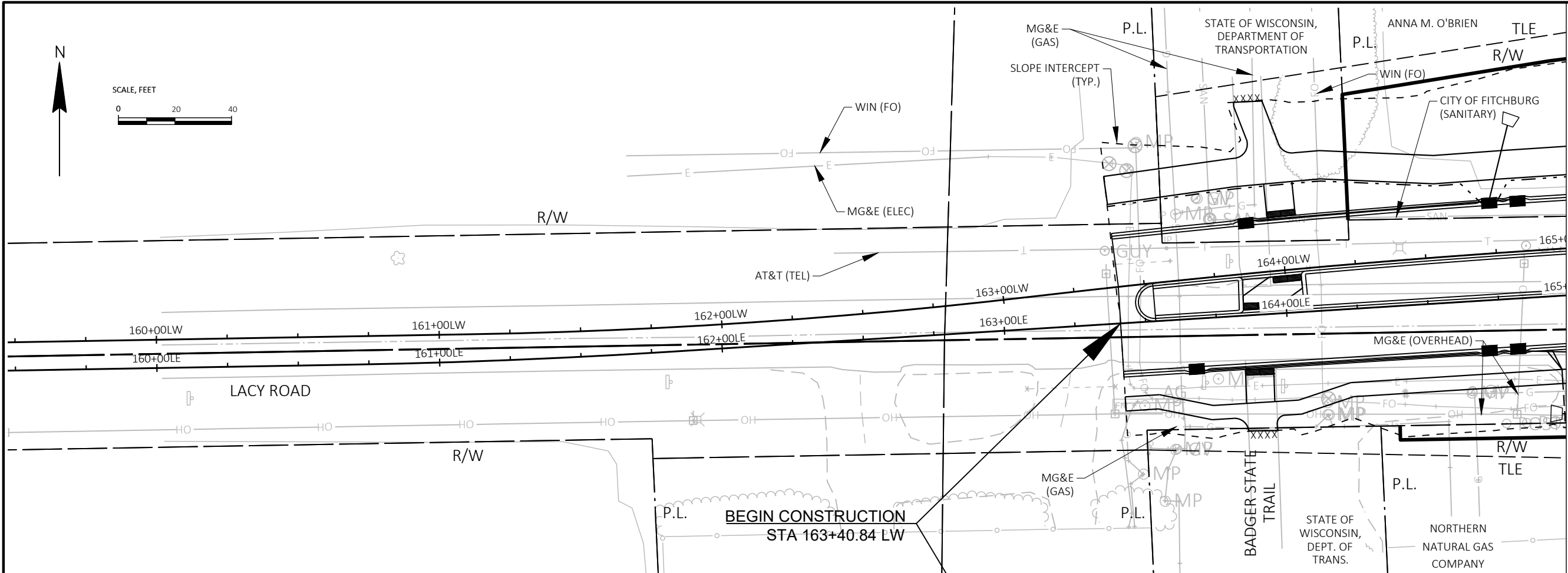
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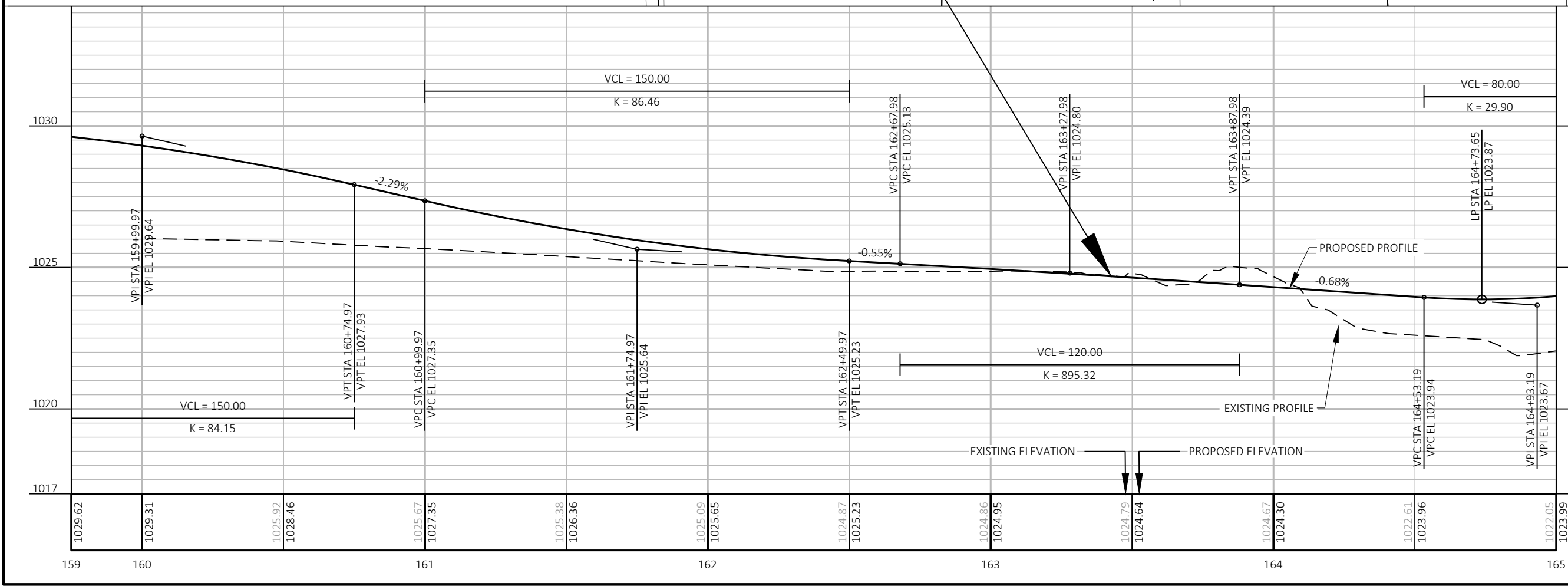
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MATCH LINE STA 165+00 LW



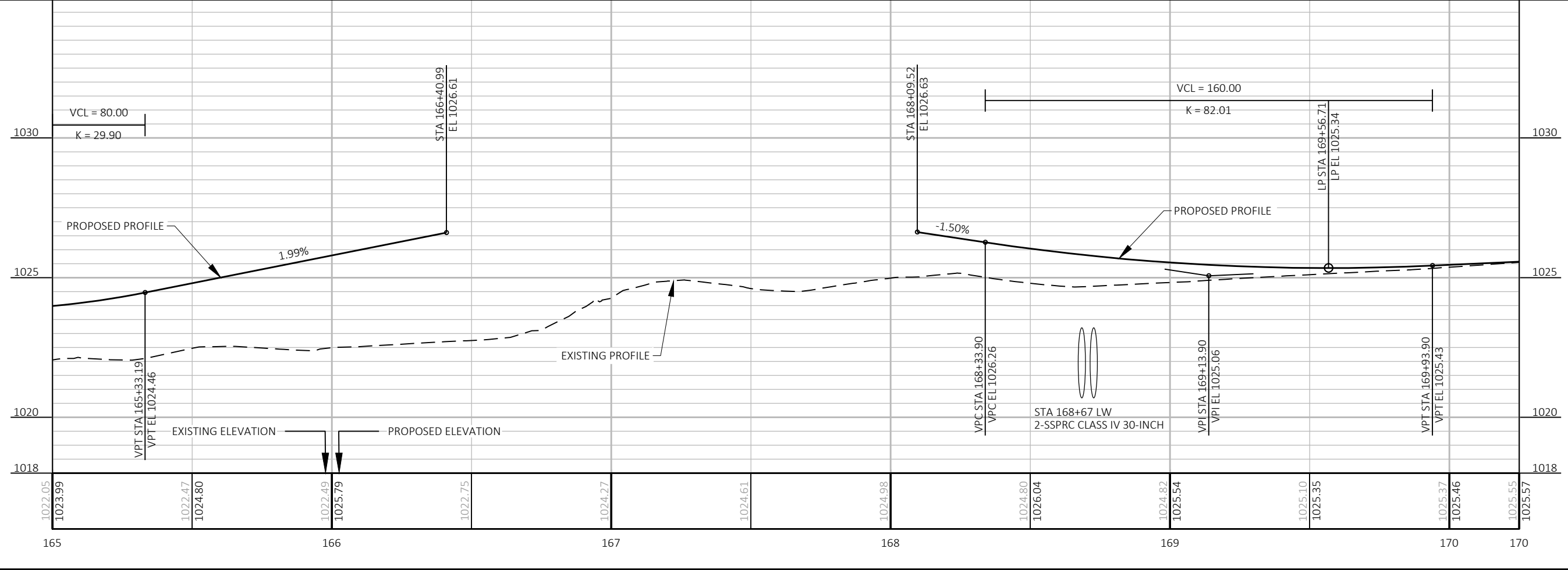
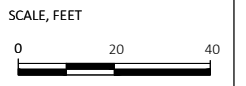
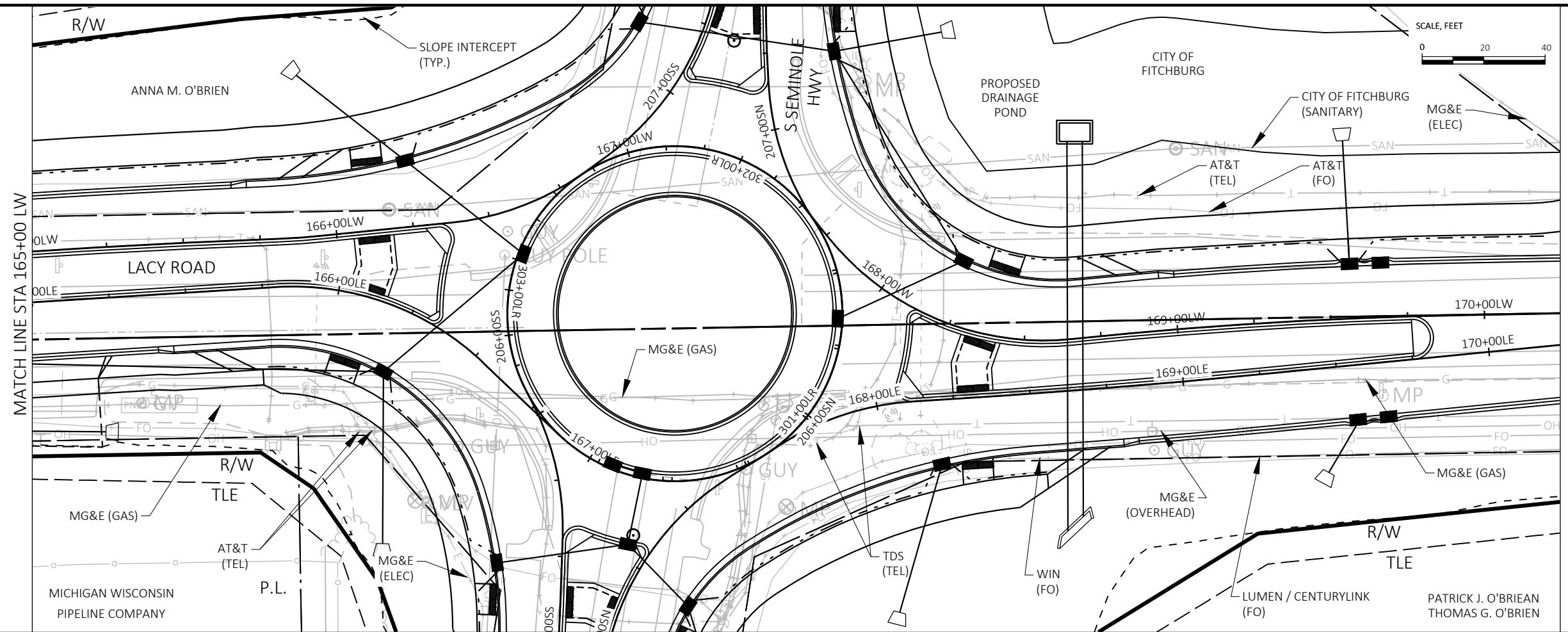
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LACY ROAD WESTBOUND 'LW'

Project No: 22-3495
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 102 of 143



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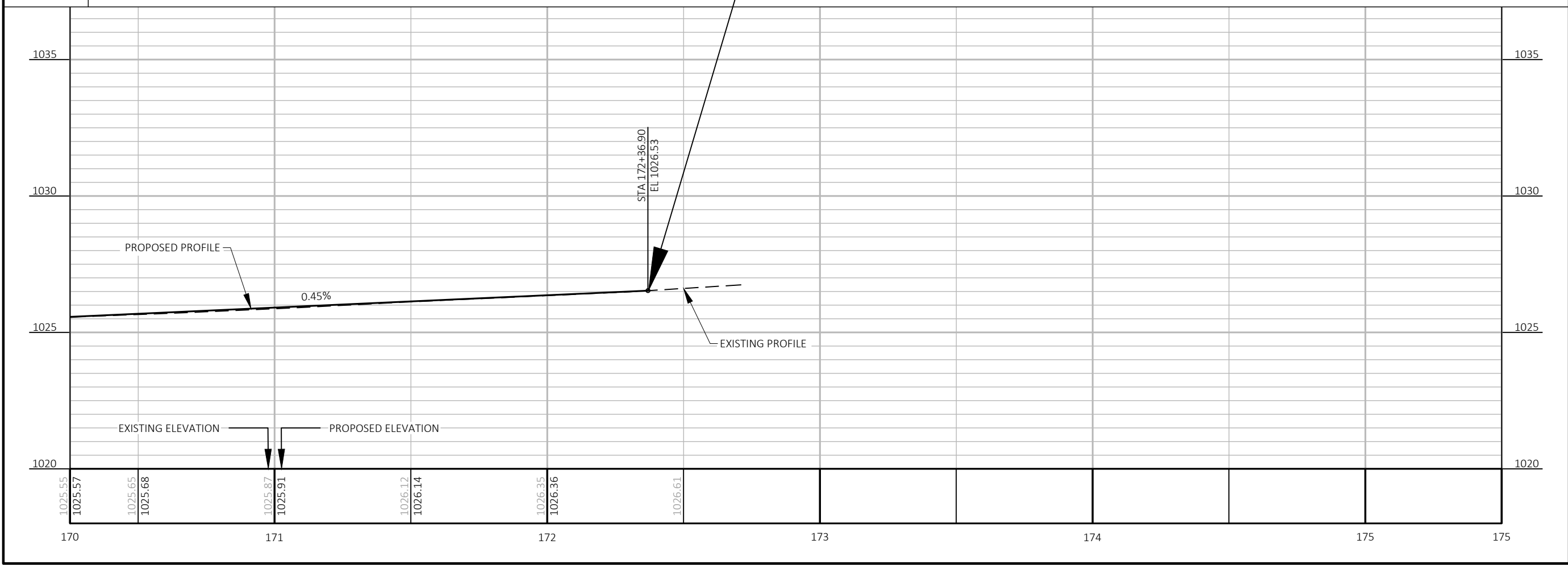
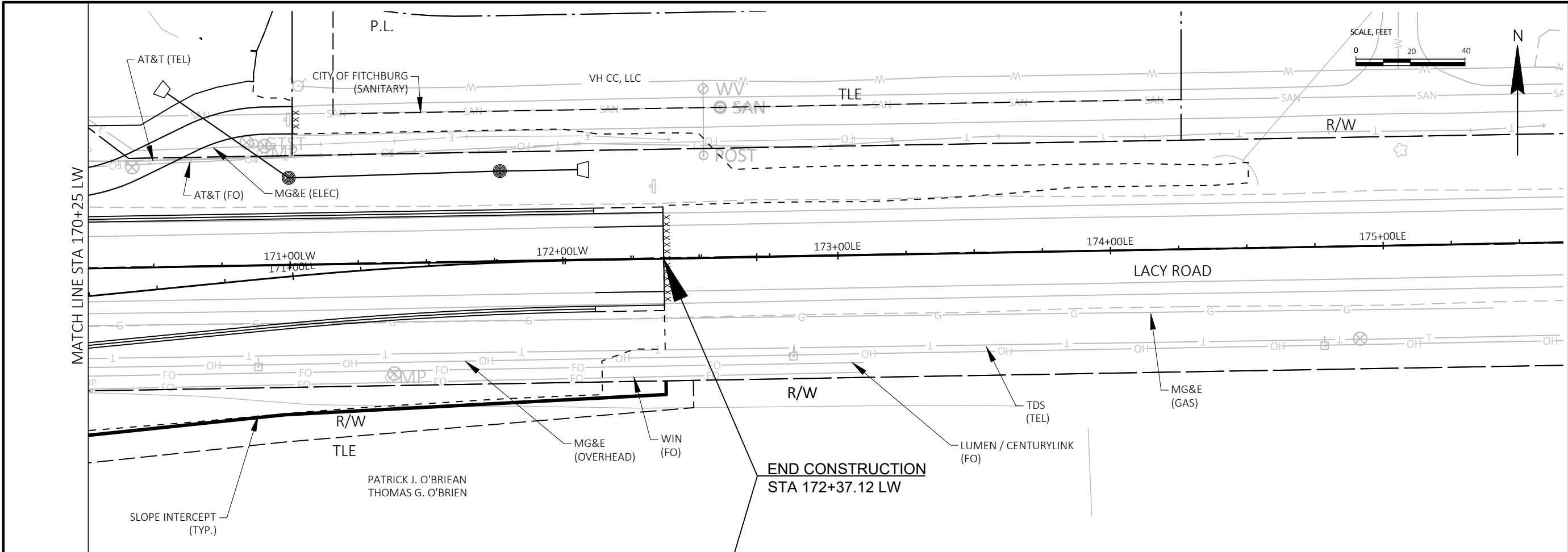
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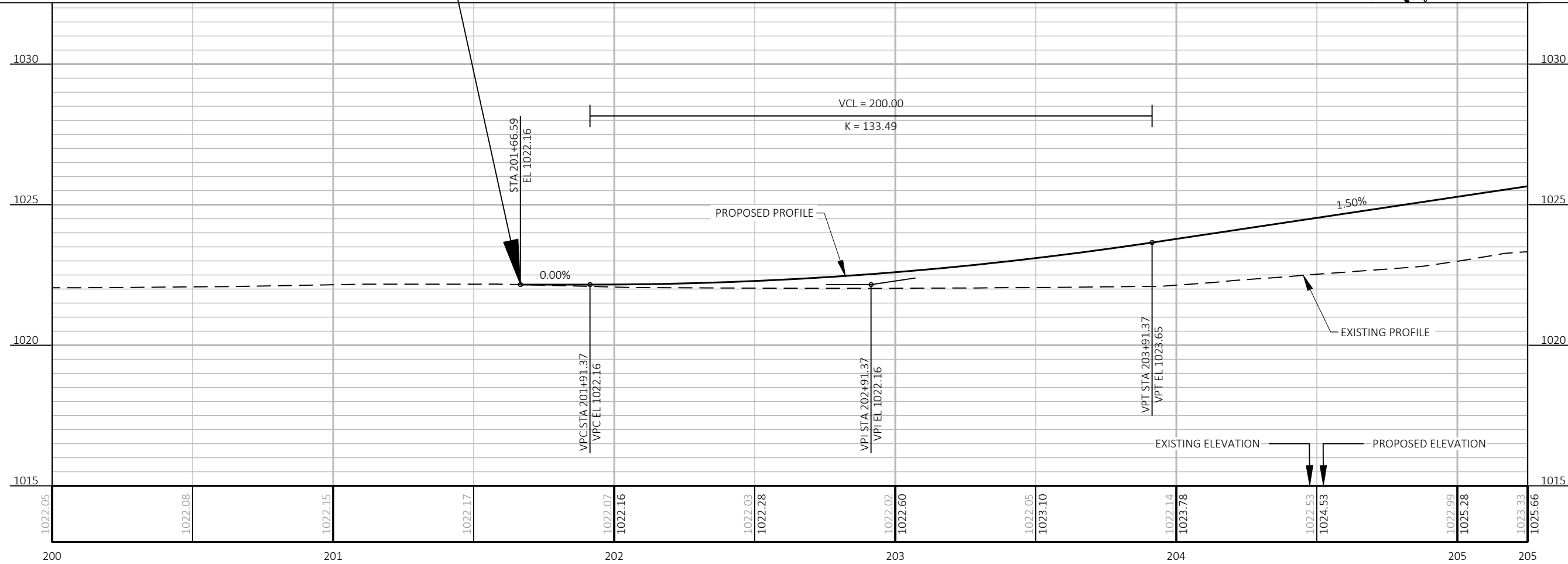
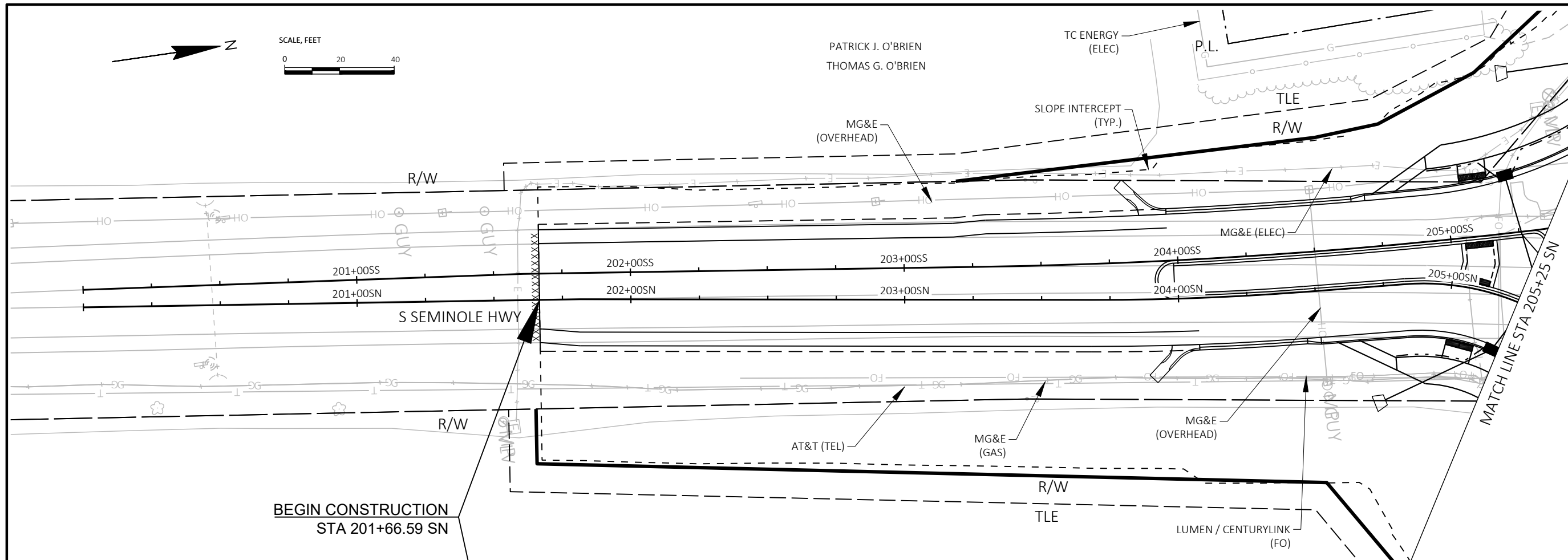
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PATRICK J. O'BRIEN
THOMAS G. O'BRIEN



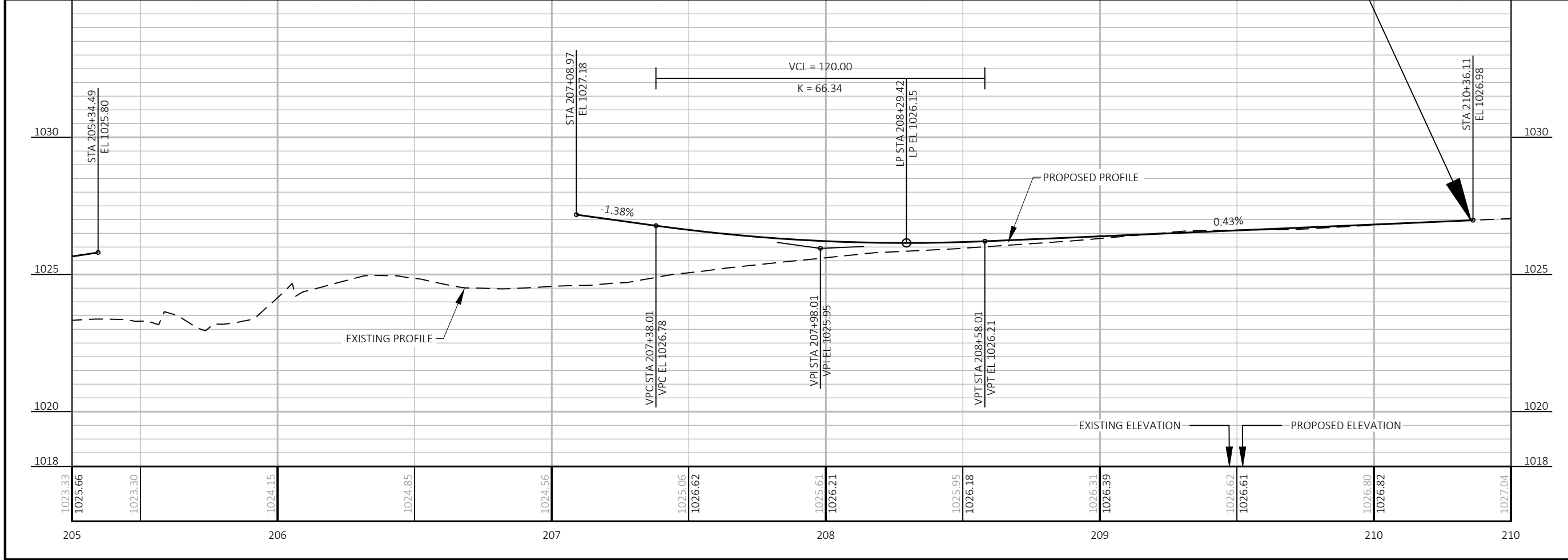
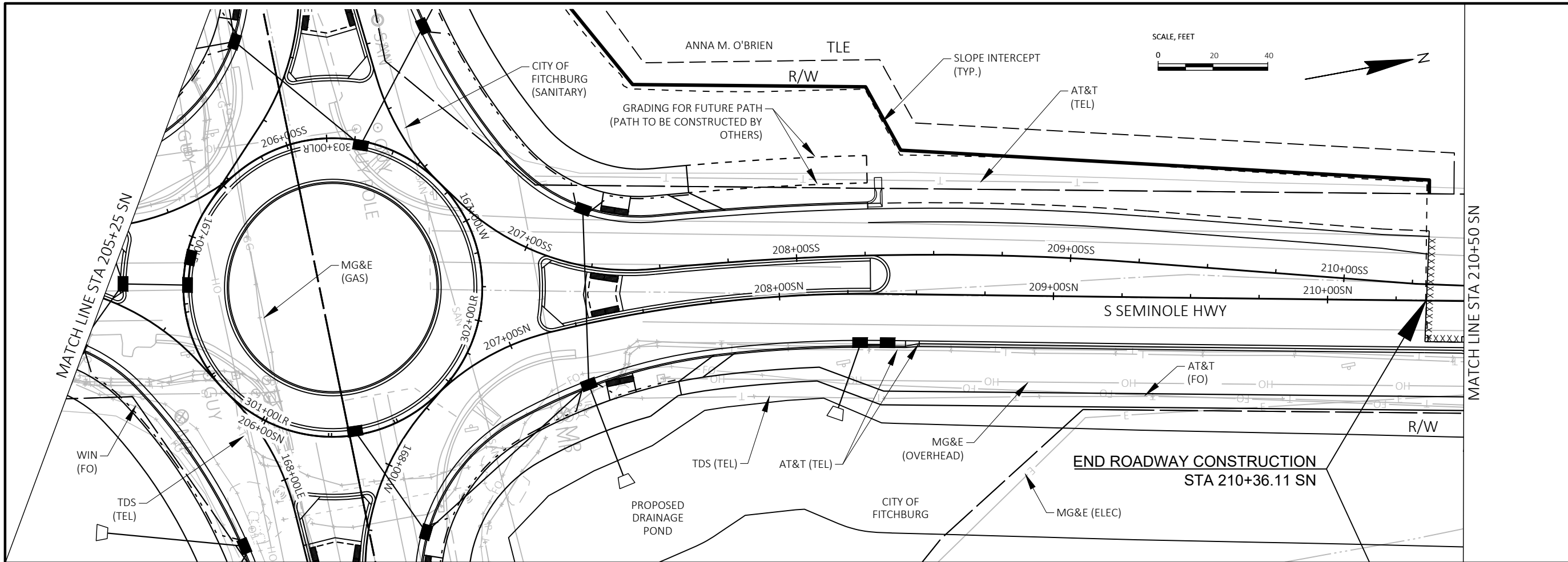
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105 of 143



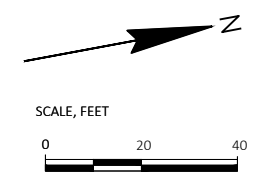
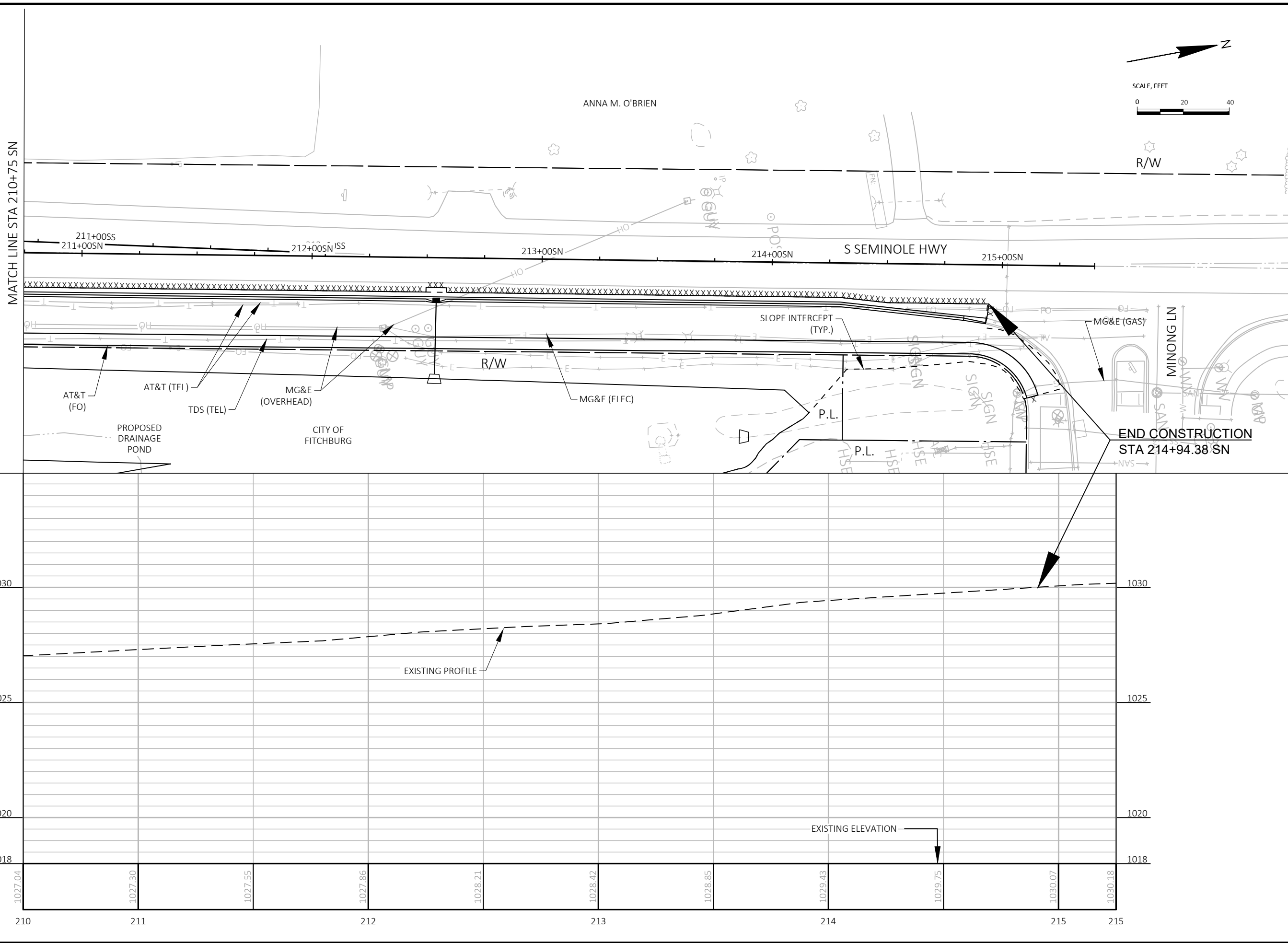
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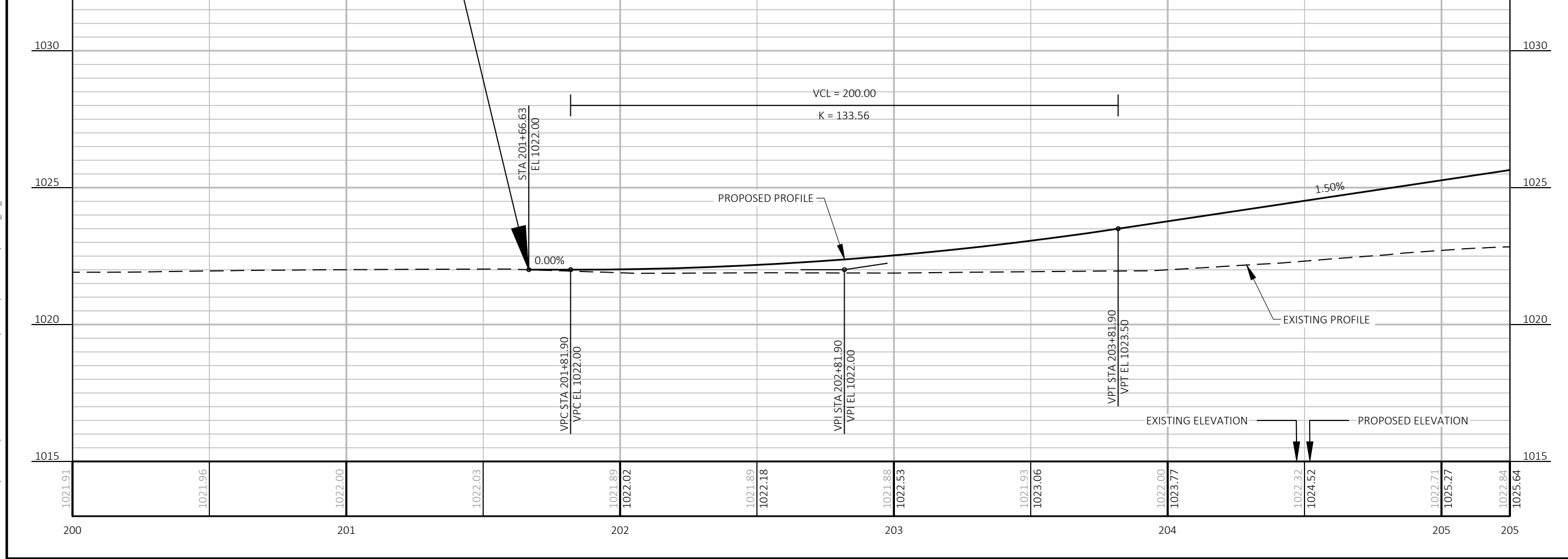
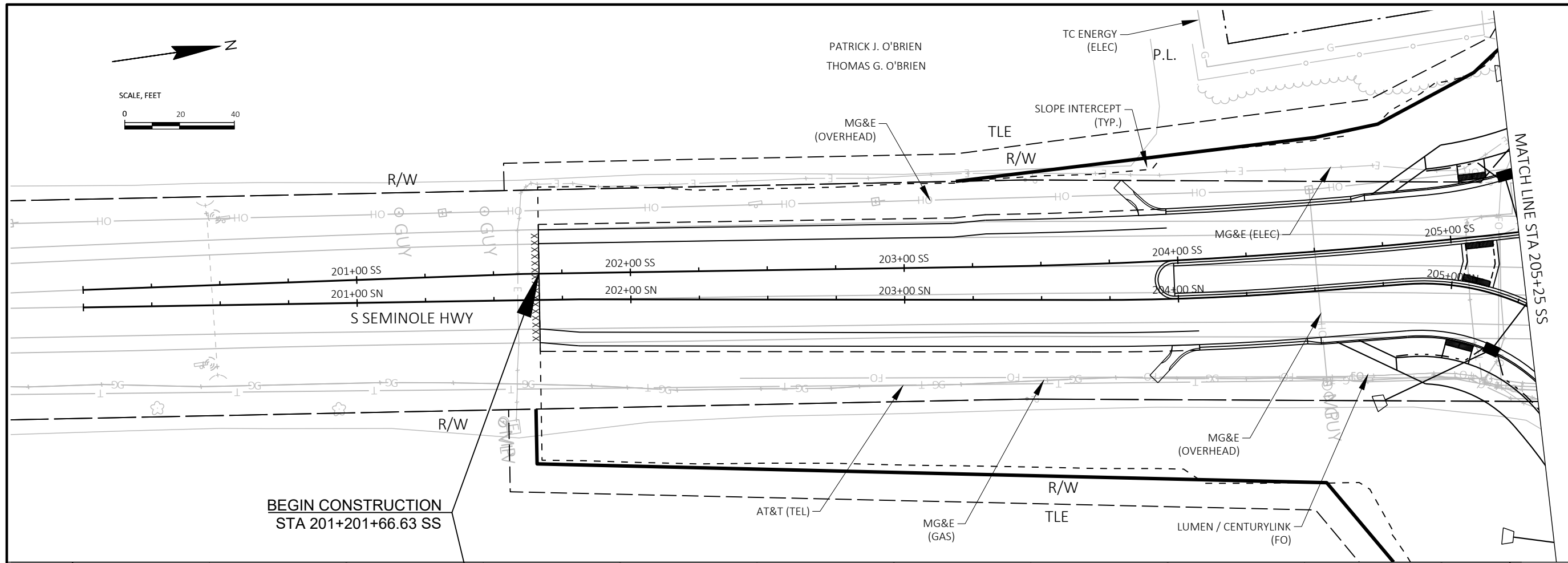
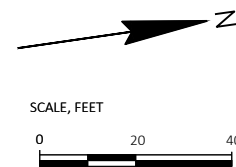
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 107 of 143

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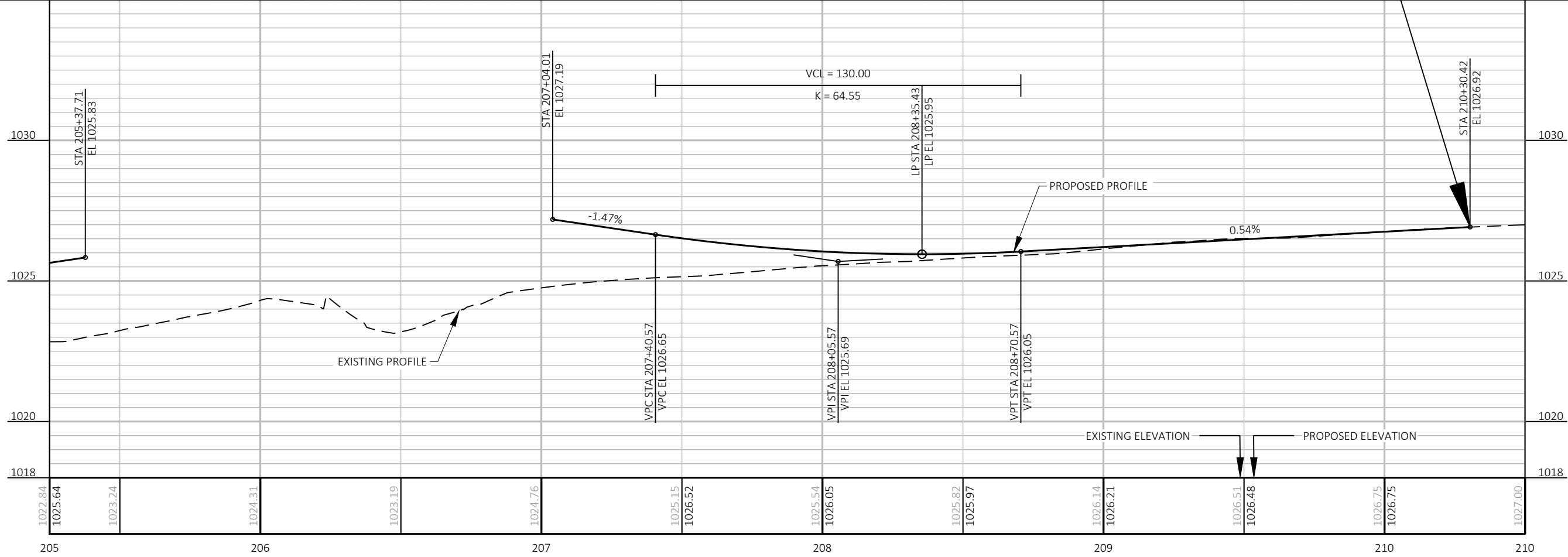
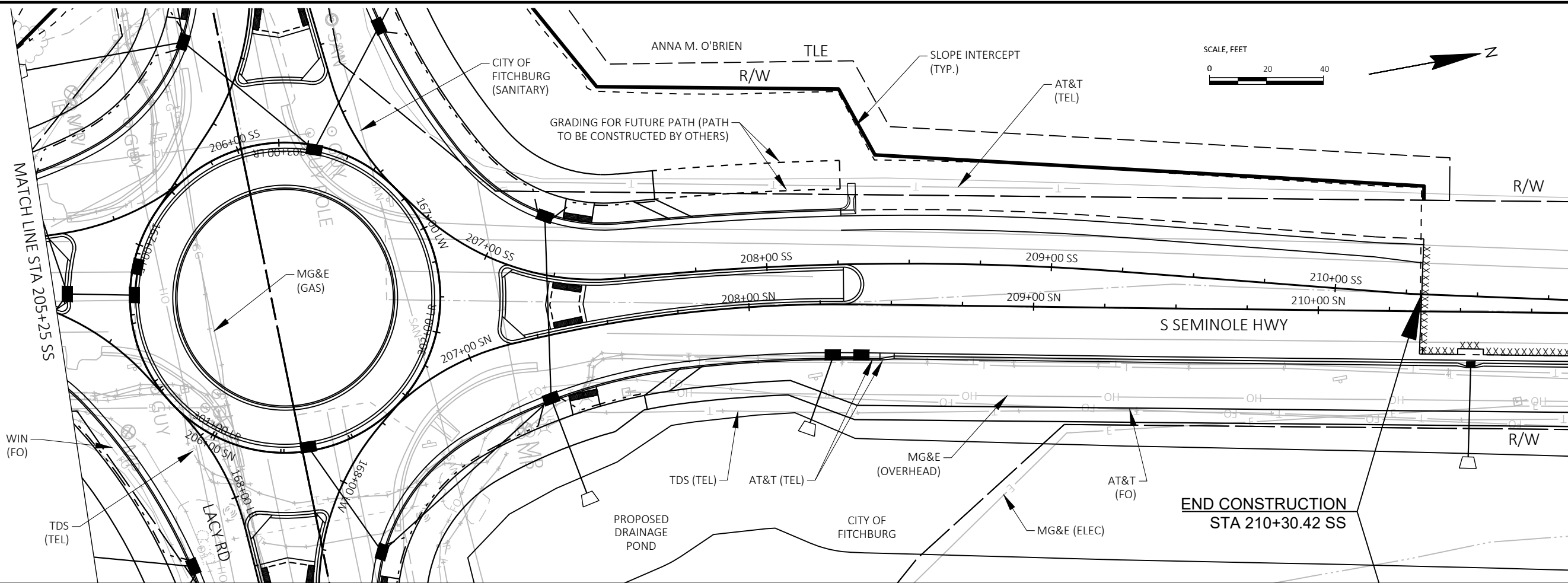
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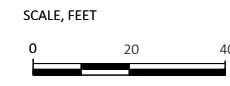
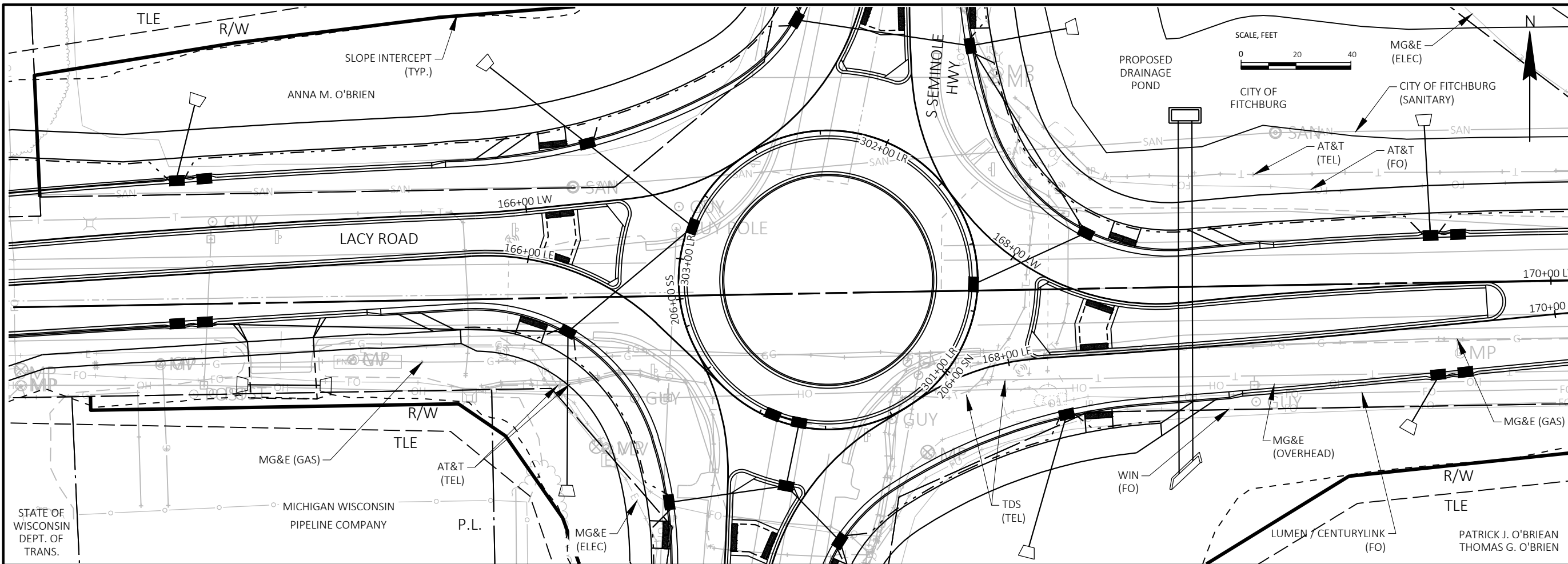
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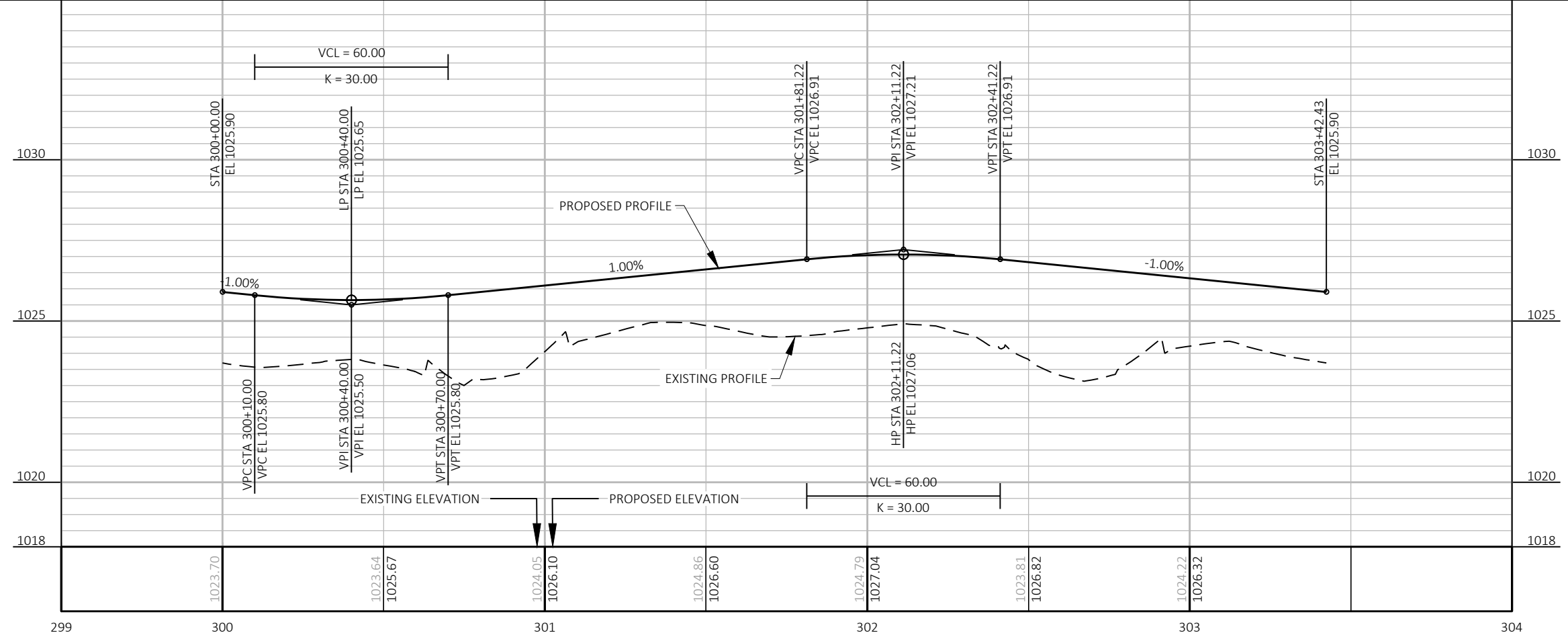
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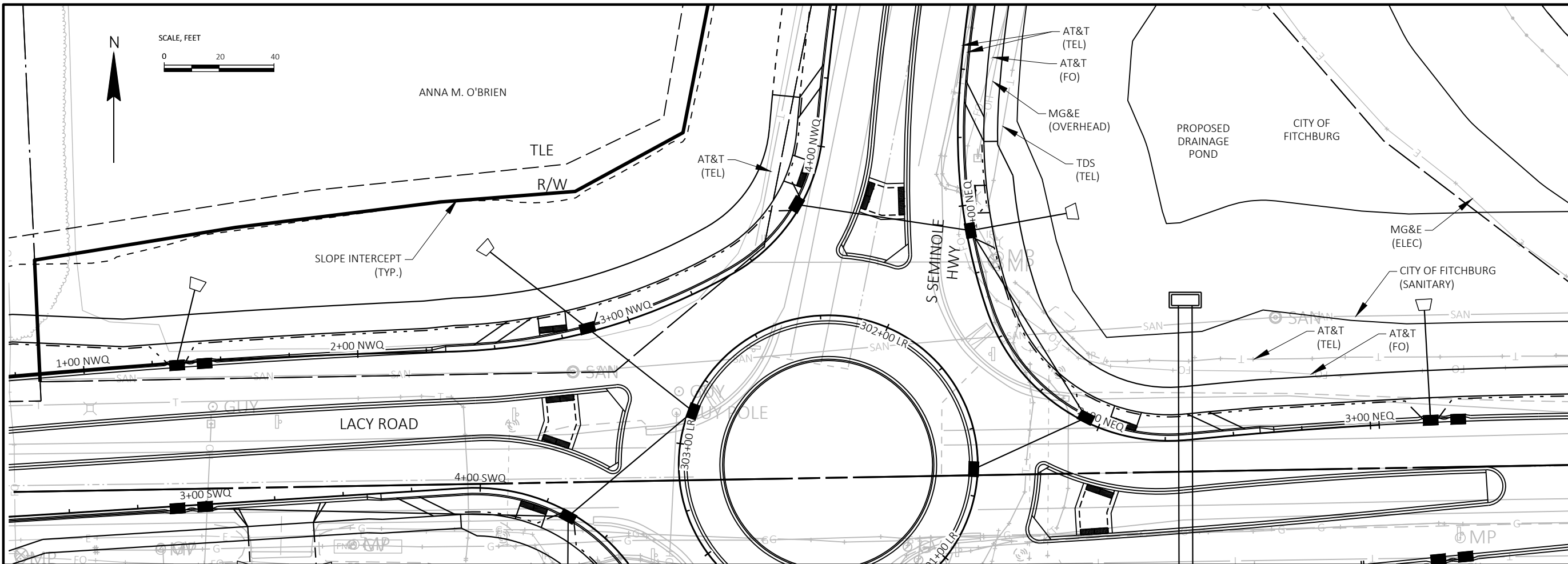
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LACY ROAD ROUNDABOUT 'LR'



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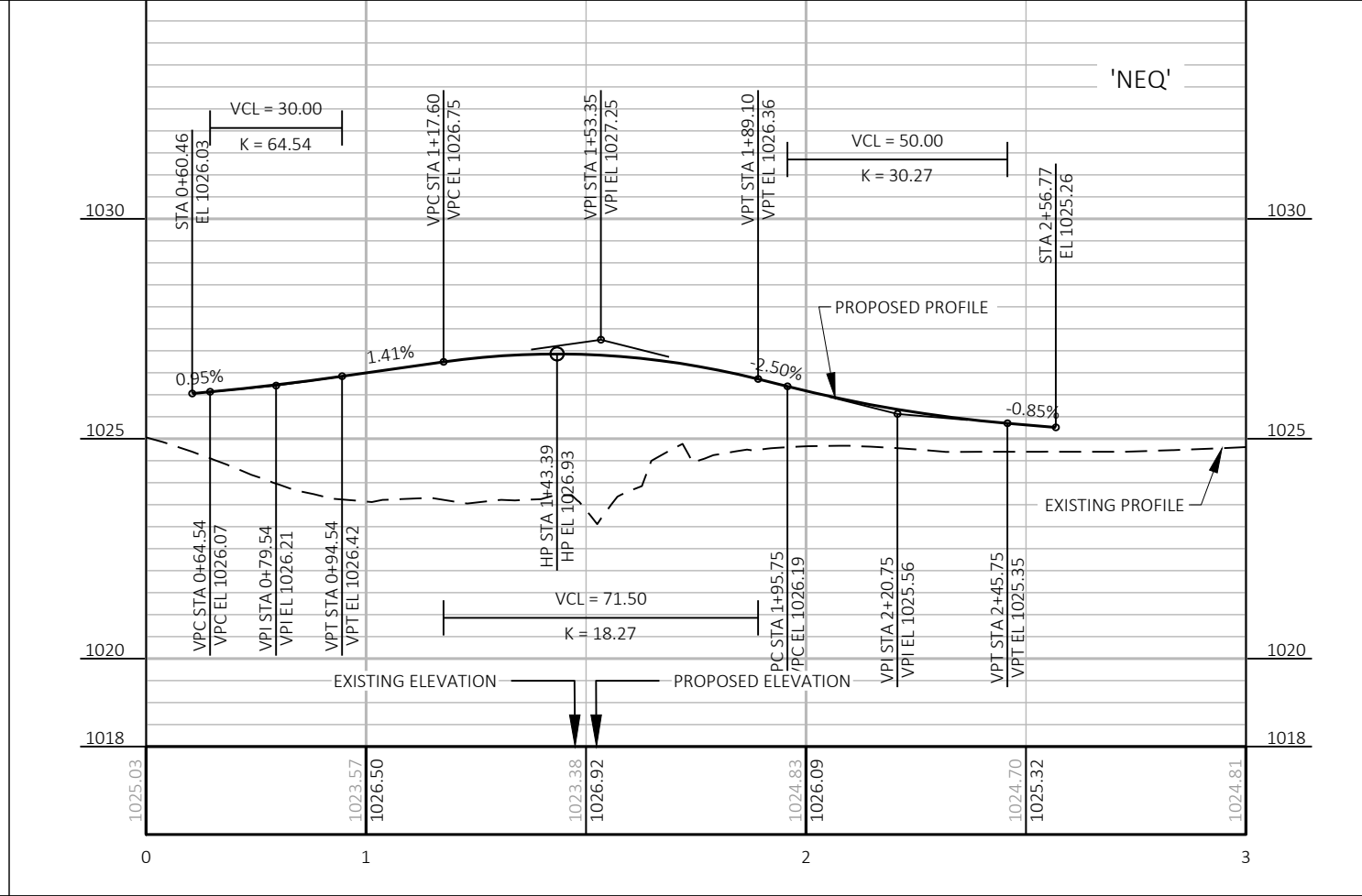
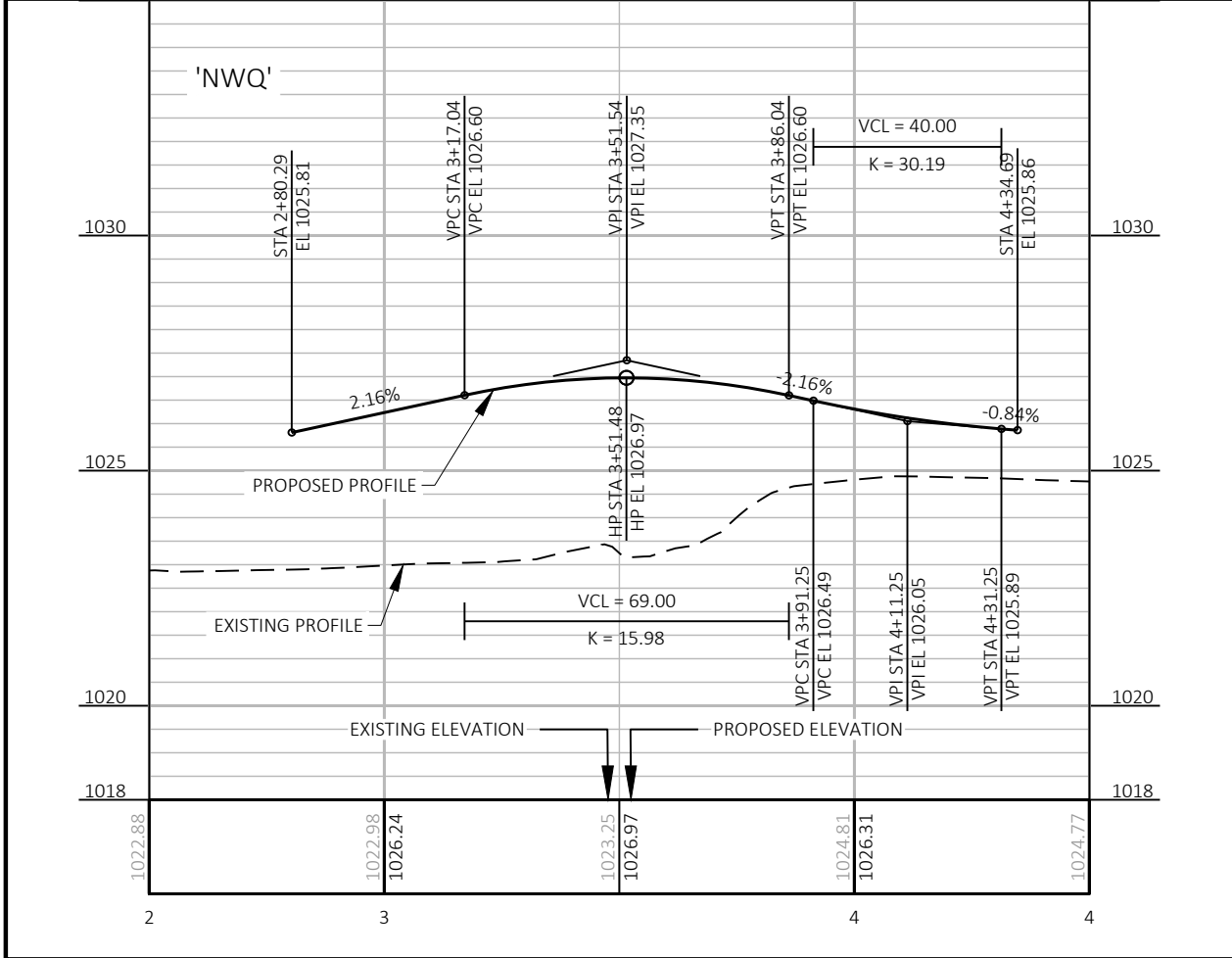
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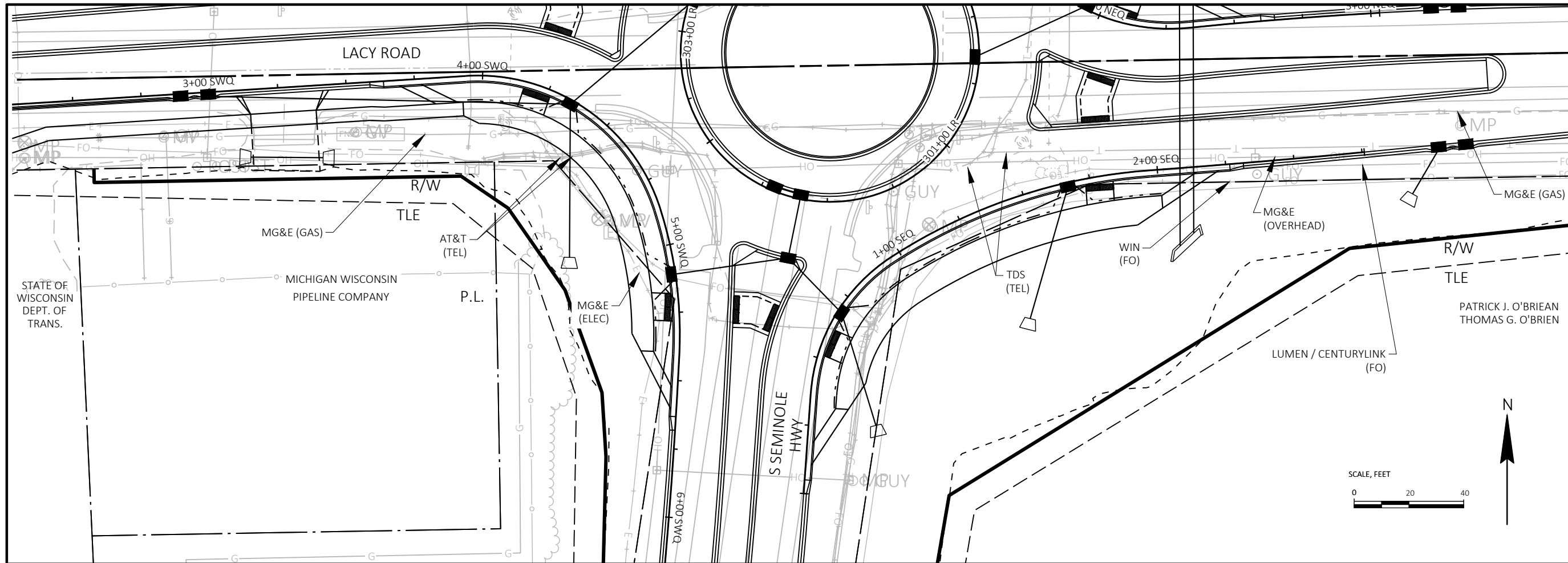
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LACY ROAD ROUNDABOUT



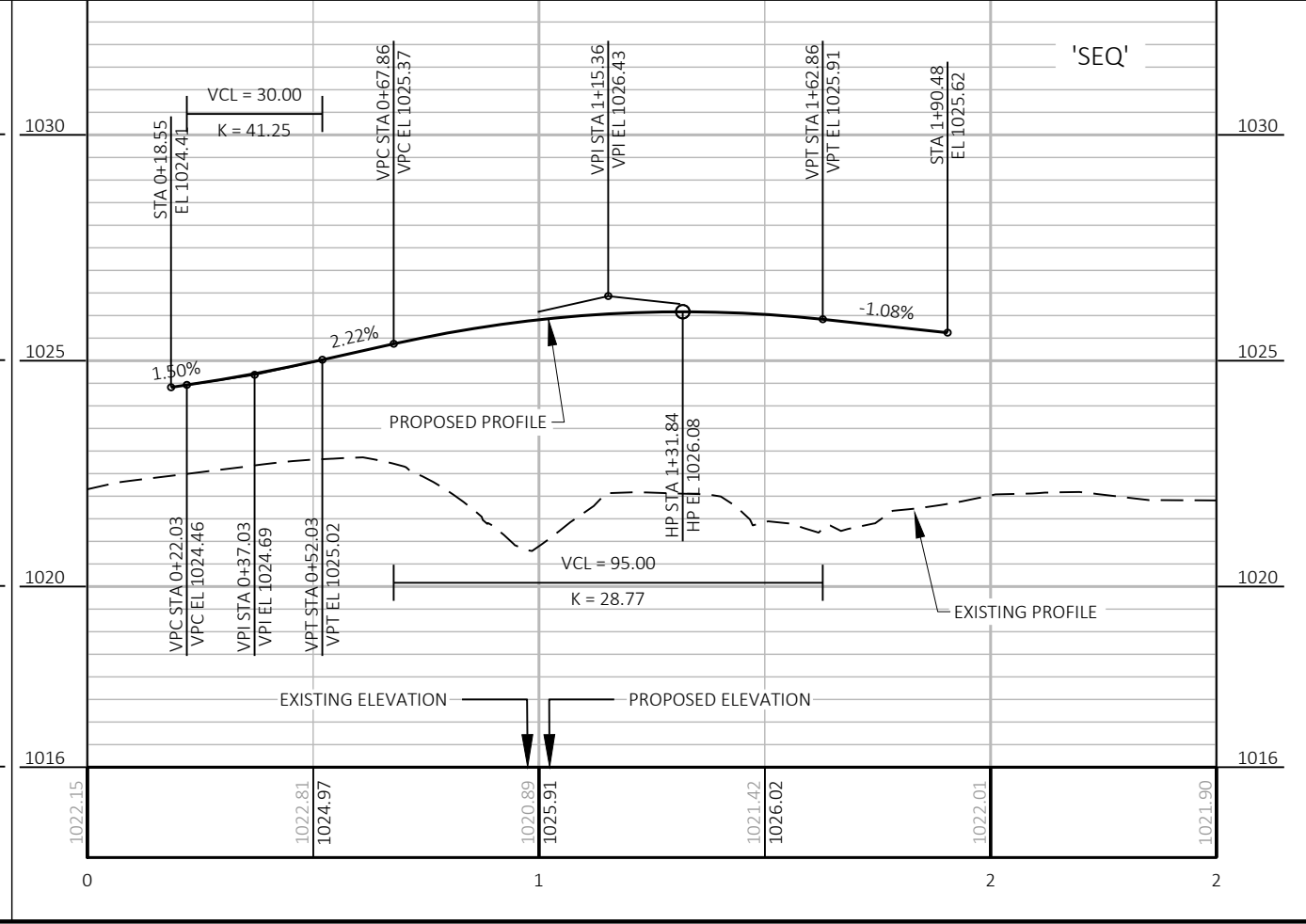
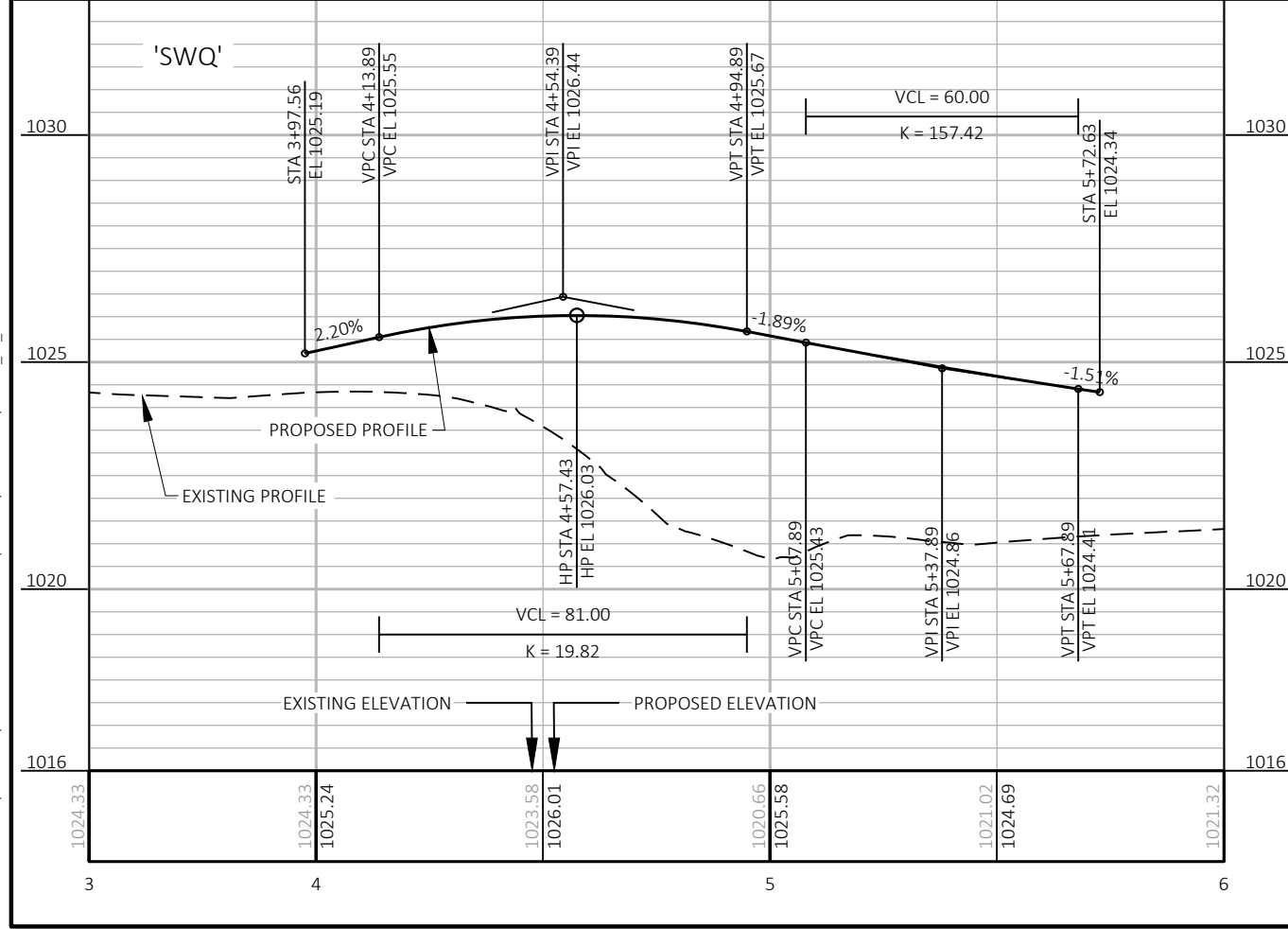
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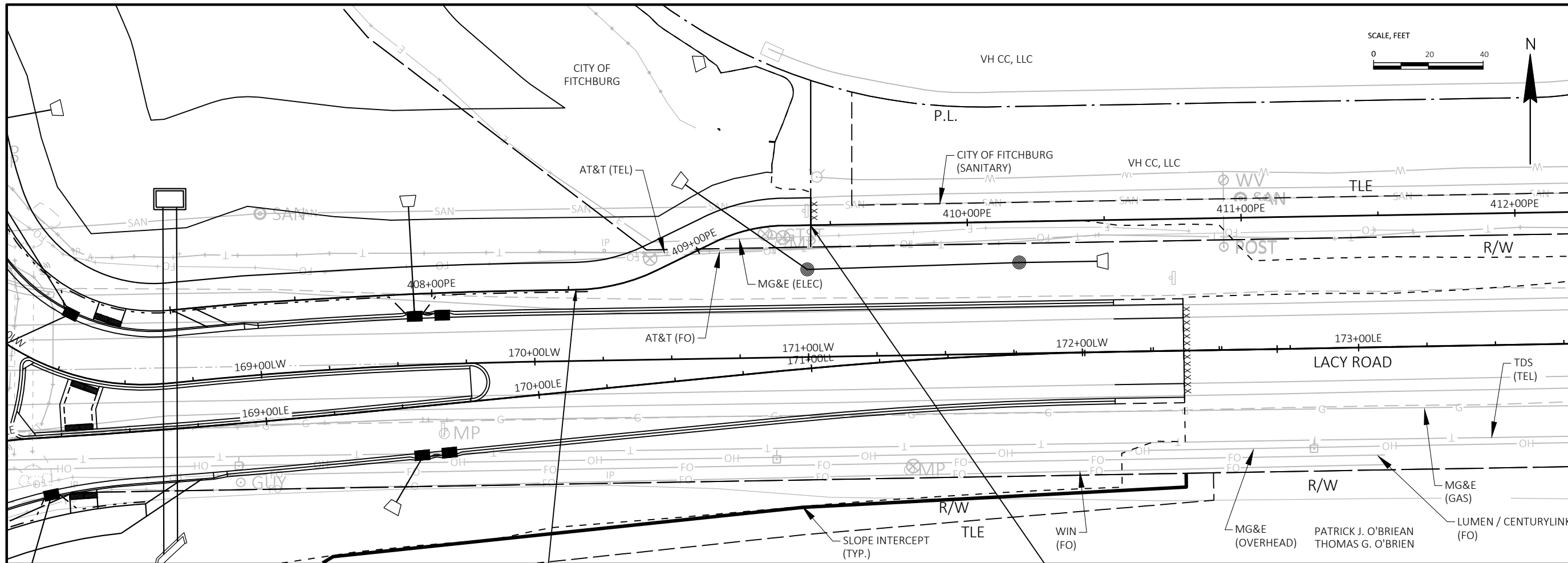
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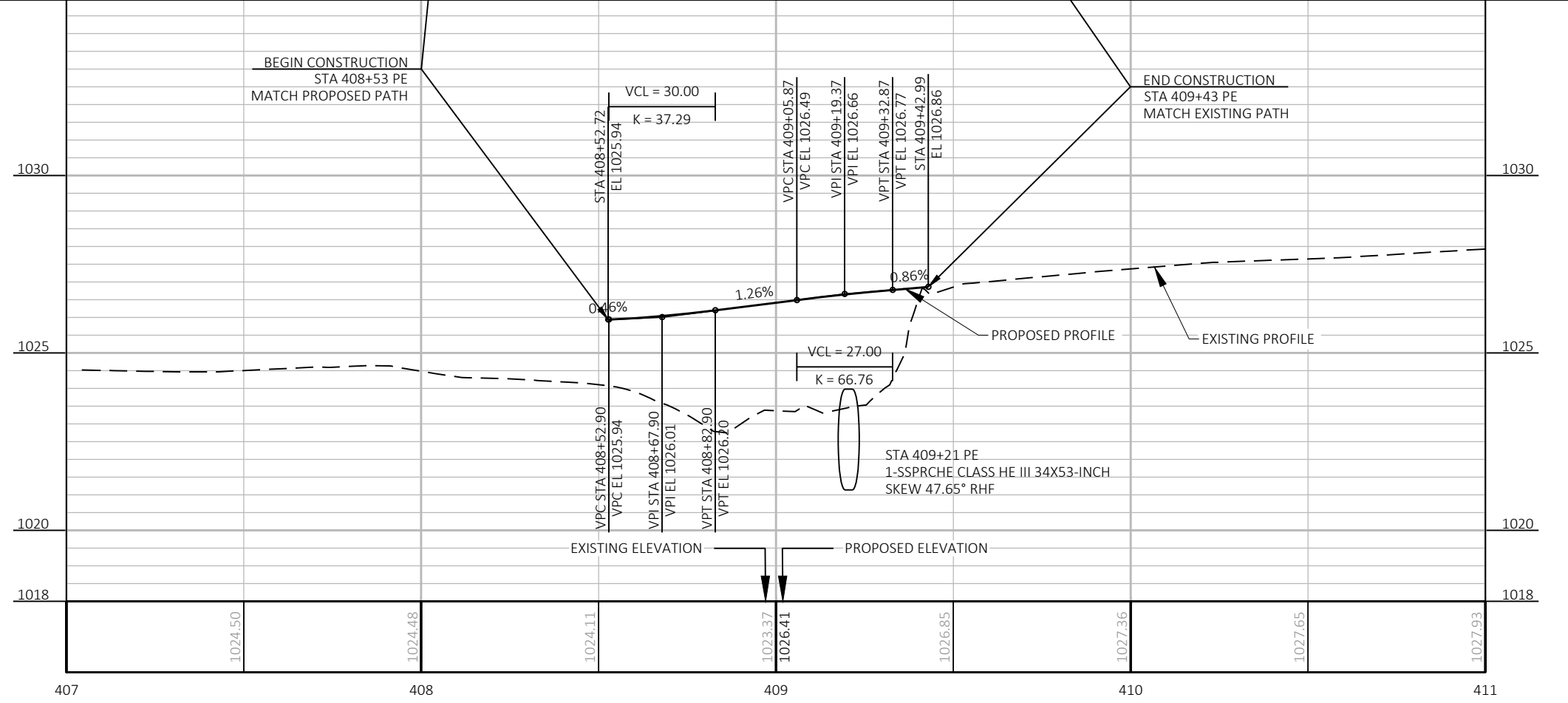
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CITY OF FITCHBURG
**PLAN & PROFILE
PATH EXTENSION 'PE'**



Project No:	22-3495
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EXCAVATION SUMMARY

22-3495	FROM / TO STATION	DIVISION	LOCATION	EXCAVATION COMMON (CY)		BREAKER RUN (CY)	GEOGRID TYPE SR (SY) (9)	POND CLAY LINER (CY)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (2)	UNEXPANDED FILL (6)	EXPANDED FILL (3)	MASS	BORROW (CY)	COMMENT	
				CUT (1)	EBS EXCAVATION (7)(8)							FACTOR 1.25	ORDINATE +/- (4)			WASTE (5)
	STA 163+41 - 172+36	1-1	LACY ROAD EB 'LE'	1,474	221	221	66	-	185	1,289	1,809	2,261	-972	-972	972	
	STA 163+41 - 169+83	1-2	LACY ROAD WB 'LW'	551	83	83	25	-	217	334	1,014	1,268	-934	-934	934	
	STA 201+67 - 214+15	1-3	SEMINOLE HWY NB 'SN'	1,669	250	250	75	-	245	1,424	2,178	2,723	-1,299	-1,299	1,299	
	STA 203+92 - 208+27	1-4	SEMINOLE HWY SB 'SS'	99	15	15	4	-	253	-154	831	1,039	-1,193	-1,193	1,193	
DIV I	STA 300+00 - 303+42	1-5	LACY ROAD ROUNDABOUT 'LR'	44	7	7	2	-	128	-84	2,588	3,235	-3,319	-3,319	3,319	
	STA 168+41 - 172+12	1-6	TEMPORARY DITCH 'LE'	169	25	25	8	-	-	169	229	286	-117	-117	117	
	STA 408+89 - 410+50	1-7	PATH EXTENSION 'PE'	-	0	-	-	-	-	-	168	210	-210	-210	210	
	PROJECT	1-8	DRAINAGE POND	14,044	-	-	-	4,769	-	14,044	93	116	13,928	13,928	-13,928	INCLUDES 4,769 CY OF CUT FOR CLAY POND LINER
				18,050	601	601	180	4,769	1,028	17,022	8,910	11,138	5,884	5,884	-5,884	
			SUBTOTALS	18,050	601	601	180	4,769							-5,884	
			22-3495 PROJECT TOTALS	18,050	601	601	180	4,769							-5,884	

- Note 1) Salvaged/Unusable Pavement Material is included in Cut.
- Note 2) Available Material = Cut - Salvaged/Unusable Pavement Material
- Note 3) Expanded Fill Factor = 1.25
- Note 4) The Mass Ordinate + or - Qty calculated for the Division.
Positive quantity indicates an excess of material within the Division.
Negative indicates a shortage of material within the Division.
Mass Ordinate = Available Material - Expanded Fill
- Note 5) Waste = Positive Division Mass Ordinate
- Note 6) Unexpanded Fill = Unexpanded Fill from individual Earthwork tables
- Note 7) As directed by engineer.
- Note 8) EBS Excavation to be backfilled with Breaker Run. All EBS material is to be wasted offsite.
EBS quantity estimated as 15% of the Common Excavation quantity.
- Note 9) Geogrid reinforcement is to be used in locations of EBS backfill, if warranted. This quantity was estimated at 30% of the EBS excavation quantity

CITY OF FITCHBURG

EARTHWORK SUMMARY TABLE

Project No. 22-3495
Date: 08-2022
Designed By: BJS
Drafted By: BJS
Checked By: DR

Revisions:

SHEET NO.



Engineering

[A] Better Experience

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CITY OF FITCHBURG

EARTHWORK DATA TABLES

Project No. 22-3495

Date: 08-2022

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115 of 143

DIVISION 1-1 (STA 163+41 - 172+36): LACY ROAD EB 'LE'											
STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material	Fill Note 2	Cut 1.00	Fill 1.00	Expanded Fill 1.25	
163+41		53.3	0.0	32.9							
163+50	9	53.3	0.0	32.9	18	0	11	18	11	14	7
164+00	50	72.6	0.0	7.2	117	0	37	134	48	60	86
164+50	50	72.9	0.0	11.3	135	0	17	269	65	81	204
165+00	50	81.8	0.0	5.2	143	0	15	412	80	100	332
165+50	50	33.6	0.0	40.0	107	0	42	519	122	153	397
166+00	50	14.2	0.0	74.6	44	0	106	563	228	285	335
166+31	31	14.2	0.0	74.6	16	0	86	580	314	392	266
168+12		10.3	0.0	191.2							
168+50	38	10.3	0.0	191.2	15	0	269	594	583	729	11
169+00	50	11.0	0.0	68.9	20	0	241	614	824	1,030	-210
169+50	50	21.9	0.0	47.6	31	0	108	645	932	1,165	-287
170+00	50	73.5	0.0	94.5	88	0	132	733	1,063	1,329	-330
170+50	50	70.5	0.0	61.8	133	0	145	866	1,208	1,510	-342
171+00	50	72.2	0.0	108.1	132	0	157	998	1,365	1,707	-367
171+50	50	69.8	0.0	94.9	132	0	188	1,130	1,553	1,942	-423
172+00	50	69.4	0.0	90.5	129	0	172	1,259	1,725	2,156	-466
172+50	50	36.5	0.0	0.0	98	0	84	1,357	1,809	2,261	-452
173+00	50	19.5	0.0	0.0	52	0	0	1,409	1,809	2,261	-400
173+50	50	12.8	0.0	0.0	30	0	0	1,439	1,809	2,261	-370
174+00	50	9.1	0.0	0.0	20	0	0	1,459	1,809	2,261	-350
174+46	46	9.1	0.0	0.0	16	0	0	1,474	1,809	2,261	-334
					1,474	0	1,809				

- Notes:
- 1 - Cut: Cut includes Salvaged/Unusable Pavement Material
 - 2 - Fill: Does not include Unusable Pavement Excavation volume
 - 3 - Cut: Cut includes Salvaged/Unusable Pavement Material
 - 4 - Fill: Does not include Unusable Pavement Excavation volume
 - 5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-2 (STA 163+41 - 169+83): LACY ROAD WB 'LW'											
STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material	Fill Note 2	Cut 1.00	Fill 1.00	Expanded Fill 1.25	
163+41		27.3	0.0	30.3							
163+50	9	27.3	0.0	30.3	9	0	10	9	10	13	-1
164+00	50	81.5	0.0	0.4	101	0	28	110	38	48	71
164+50	50	20.4	0.0	26.4	94	0	25	204	63	79	141
165+00	50	38.1	0.0	30.5	54	0	53	258	116	145	143
165+50	50	31.4	0.0	60.4	64	0	84	323	200	250	123
166+00	50	22.5	0.0	118.1	50	0	165	373	365	456	8
166+33	33	22.5	0.0	118.1	27	0	144	400	509	637	-109
168+15		14.9	0.0	61.6							
168+50	35	14.9	0.0	61.6	19	0	80	419	589	737	-170
169+00	50	24.6	0.0	121.9	37	0	170	456	759	949	-303
169+50	50	33.6	0.0	66.1	54	0	174	510	933	1,167	-423
169+83	33	33.6	0.0	66.1	41	0	81	551	1,014	1,268	-463
					551	0	1,014				

- Notes:
- 1 - Cut: Cut includes Salvaged/Unusable Pavement Material
 - 2 - Fill: Does not include Unusable Pavement Excavation volume
 - 3 - Cut: Cut includes Salvaged/Unusable Pavement Material
 - 4 - Fill: Does not include Unusable Pavement Excavation volume
 - 5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-3 (STA 201+67 - 214+94): SEMINOLE HWY NB 'SN'											
STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material	Fill Note 2	Cut 1.00	Fill 1.00	Expanded Fill 1.25	
201+67		86.4	0.0	19.2							
202+00	33	86.4	0.0	19.2	106	0	24	106	24	29	82
202+50	50	80.3	0.0	18.1	154	0	35	260	58	73	202
203+00	50	64.8	0.0	21.1	134	0	36	394	94	118	300
203+50	50	46.1	0.0	28.7	103	0	46	497	140	176	356
204+00	50	27.0	0.0	41.8	68	0	65	565	206	257	359
204+50	50	27.9	0.0	72.3	51	0	106	615	311	389	304
205+00	50	26.0	0.0	154.1	50	0	210	665	521	651	144
205+30	30	26.0	0.0	154.1	29	0	171	694	692	865	2
207+17		1.0	0.0	62.9							
207+50	33	1.0	0.0	62.9	1	0	77	695	769	962	-74
208+00	50	25.0	0.0	37.9	24	0	93	720	863	1,078	-143
208+50	50	86.4	0.0	52.8	103	0	84	823	946	1,183	-124
209+00	50	90.6	0.0	51.7	164	0	97	987	1,043	1,304	-57
209+50	50	91.8	0.0	56.1	169	0	100	1,156	1,143	1,429	12
210+00	50	86.2	0.0	56.2	165	0	104	1,320	1,247	1,559	73
210+50	50	11.7	0.0	50.8	91	0	99	1,411	1,346	1,683	65
211+00	50	11.6	0.0	59.7	22	0	102	1,433	1,449	1,811	-16
211+50	50	10.9	0.0	60.9	21	0	112	1,453	1,560	1,950	-107
212+00	50	15.2	0.0	53.9	24	0	106	1,478	1,666	2,083	-189
212+50	50	17.7	0.0	53.6	30	0	100	1,508	1,766	2,207	-258
213+00	50	16.2	0.0	51.5	31	0	97	1,539	1,863	2,329	-324
213+50	50	21.5	0.0	53.5	35	0	97	1,574	1,960	2,451	-386
214+00	50	28.4	0.0	47.5	46	0	94	1,620	2,054	2,567	-434
214+50	50	8.6	0.0	31.3	34	0	73	1,655	2,127	2,659	-472
214+94	44	8.6	0.0	31.3	14	0	51	1,669	2,178	2,723	-509
					1,669	0	2,178				

- Notes:
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 - 5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

DIVISION 1-4 (STA 203+92 - 208+27): SEMINOLE HWY SB 'SS'											
STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material	Fill Note 2	Cut 1.00	Fill 1.00	Expanded Fill 1.25	
203+92		0.0	0.0	59.1							
204+00	8	0.0	0.0	59.1	0	0	18	0	18	22	-18
204+50	50	0.0	0.0	82.1	0	0	131	0	148	185	-148
205+00	50	2.7	0.0	156.1	3	0	221	3	369	461	-366
205+30	30	2.7	0.0	156.1	3	0	173	6	542	678	-537
207+09		11.1	0.0	74.8							
207+50	41	11.1	0.0	74.8	17	0	114	22	656	820	-634
208+00	50	34.6	0.0	54.9	42	0	120	65	776	970	-711
208+27	27	34.6	0.0	54.9	35	0	55	99	831	1,039	-732
					99	0	831				

- Notes:
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 - 3 - Cut: Cut includes Salvaged/Unusable Pavement Material
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 - 5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)



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116 of 143

DIVISION 1-5 (STA 300+00 - 303+42): LACY ROAD ROUNDABOUT

STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material (CY)	Fill Note 2 (CY)	Cut 1.00 Note 3	Fill 1.00 Note 4	Expanded Fill 1.25	
300+00		0.0	0.0	121.6							
300+35	35	0.0	0.0	121.6	0	0	158	0	158	197	-158
300+78	43	16.8	0.0	335.8	13	0	364	13	522	652	-508
301+25	47	0.4	0.0	113.4	15	0	391	28	913	1,141	-884
301+67	42	0.0	0.0	285.8	0	0	310	29	1,223	1,529	-1,195
302+10	43	0.0	0.0	141.0	0	0	340	29	1,563	1,954	-1,534
302+50	40	4.0	0.0	287.1	3	0	317	31	1,880	2,350	-1,848
303+00	50	0.0	0.0	137.6	4	0	393	35	2,273	2,841	-2,238
303+38	38	10.6	0.0	256.2	7	0	277	43	2,550	3,188	-2,508
303+42	4	10.6	0.0	256.2	2	0	38	44	2,588	3,235	-2,544
					44	0	2,588				

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DIVISION 1-7 (STA 408+53 - 409+43): PATH EXTENSION 'PE'

STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material (CY)	Fill Note 2 (CY)	Cut 1.00 Note 3	Fill 1.00 Note 4	Expanded Fill 1.25	
408+53		0.0	0.0	50.0							
408+75	22	0.0	0.0	50.0	0	0	41	0	41	51	-41
409+00	25	0.0	0.0	44.0	0	0	44	0	84	105	-84
409+25	25	0.0	0.0	56.2	0	0	46	0	131	163	-131
409+43	18	0.0	0.0	56.2	0	0	37	0	168	210	-168
					0	0	168				

Notes:

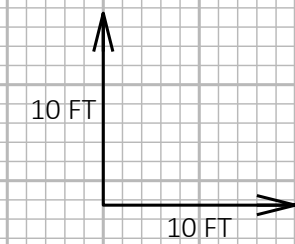
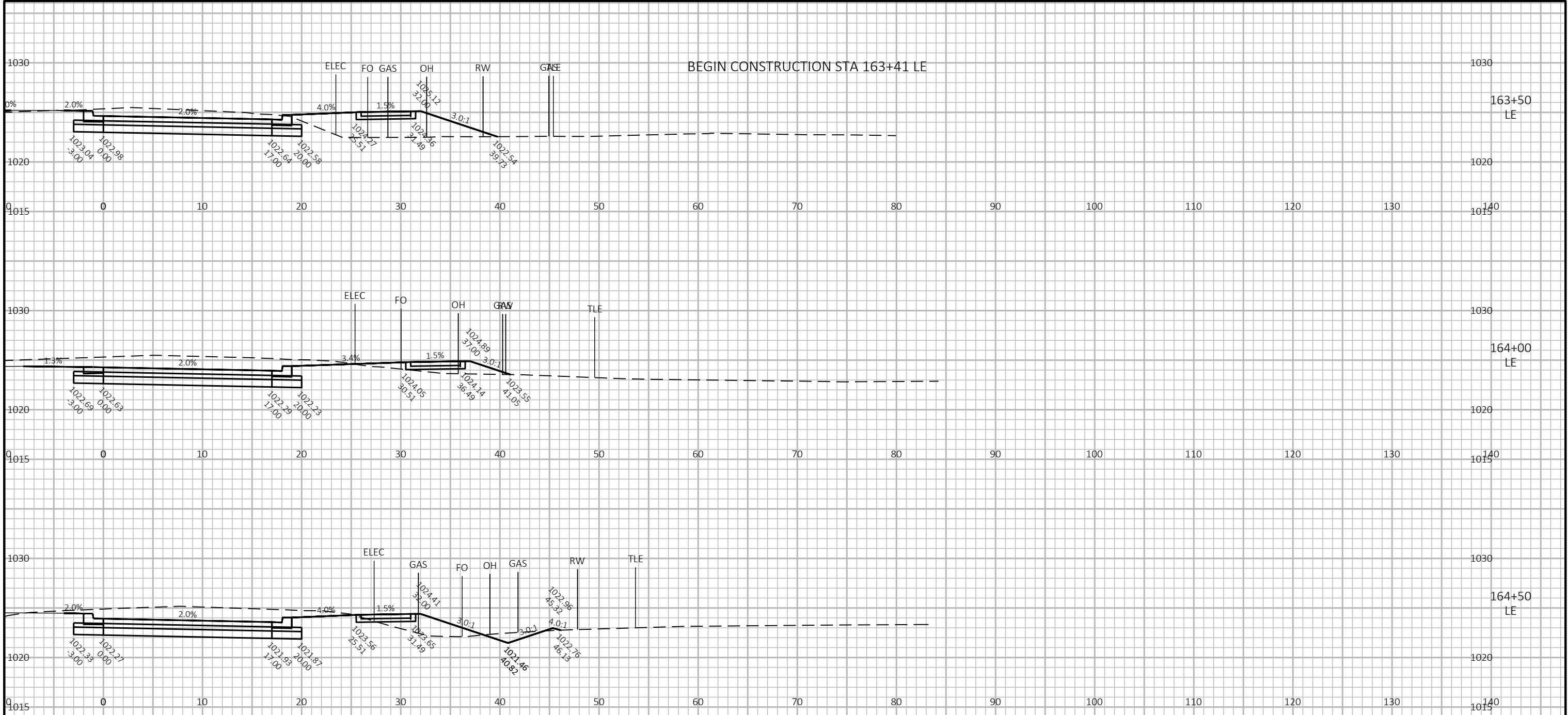
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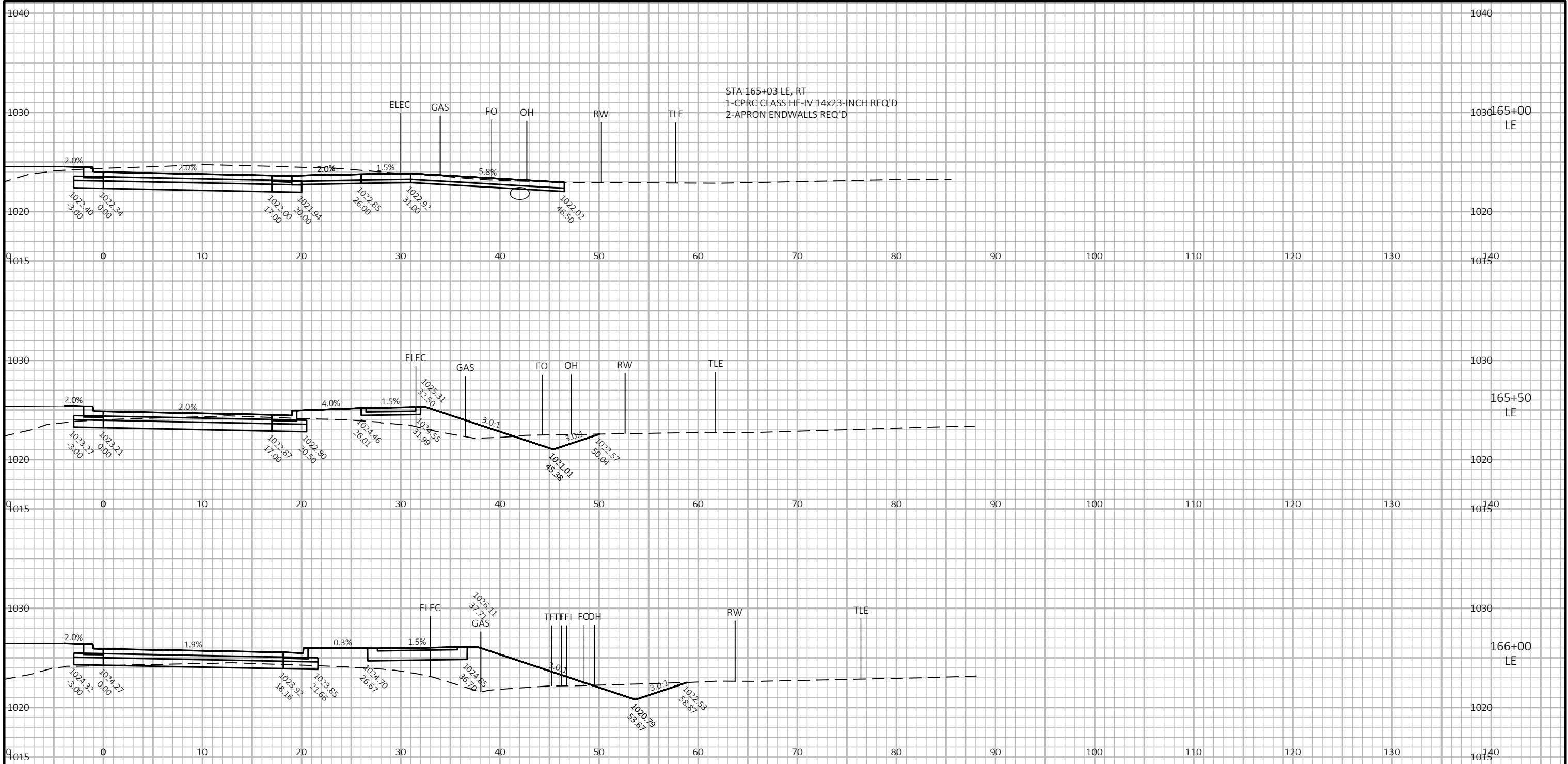
DIVISION 1-6 (STA 168+41 - 172+12): TEMPORARY DITCH 'LE'

STATION	Distance	Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material (CY)	Fill Note 2 (CY)	Cut 1.00 Note 3	Fill 1.00 Note 4	Expanded Fill 1.25	
168+41		30.1	0.0	23.4							
168+69	28	30.1	0.0	23.4	31	0	24	31	24	30	7
169+00	31	39.7	0.0	27.3	40	0	29	71	53	67	18
169+50	50	14.1	0.0	22.4	50	0	46	121	99	124	22
170+00	50	11.2	0.0	17.3	23	0	37	145	136	170	8
170+50	50	7.2	0.0	18.3	17	0	33	162	169	211	-8
171+00	50	0.3	0.0	16.4	7	0	32	169	201	252	-33
171+50	50	0.0	0.0	3.1	0	0	18	169	219	274	-51
172+00	50	0.0	0.0	4.7	0	0	7	169	227	283	-58
172+12	12	0.0	0.0	4.7	0	0	2	169	229	286	-60
					169	0	229				

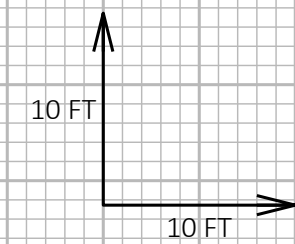
Notes:

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- 3 - Cut: Cut includes Salvaged/Unusable Pavement Material
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- 5 - Mass Ordinate: [Cut - Expanded Fill] (Fill Factor Adjusted)

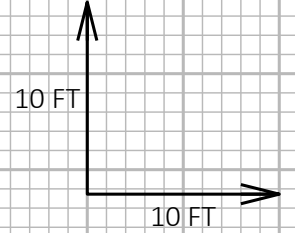
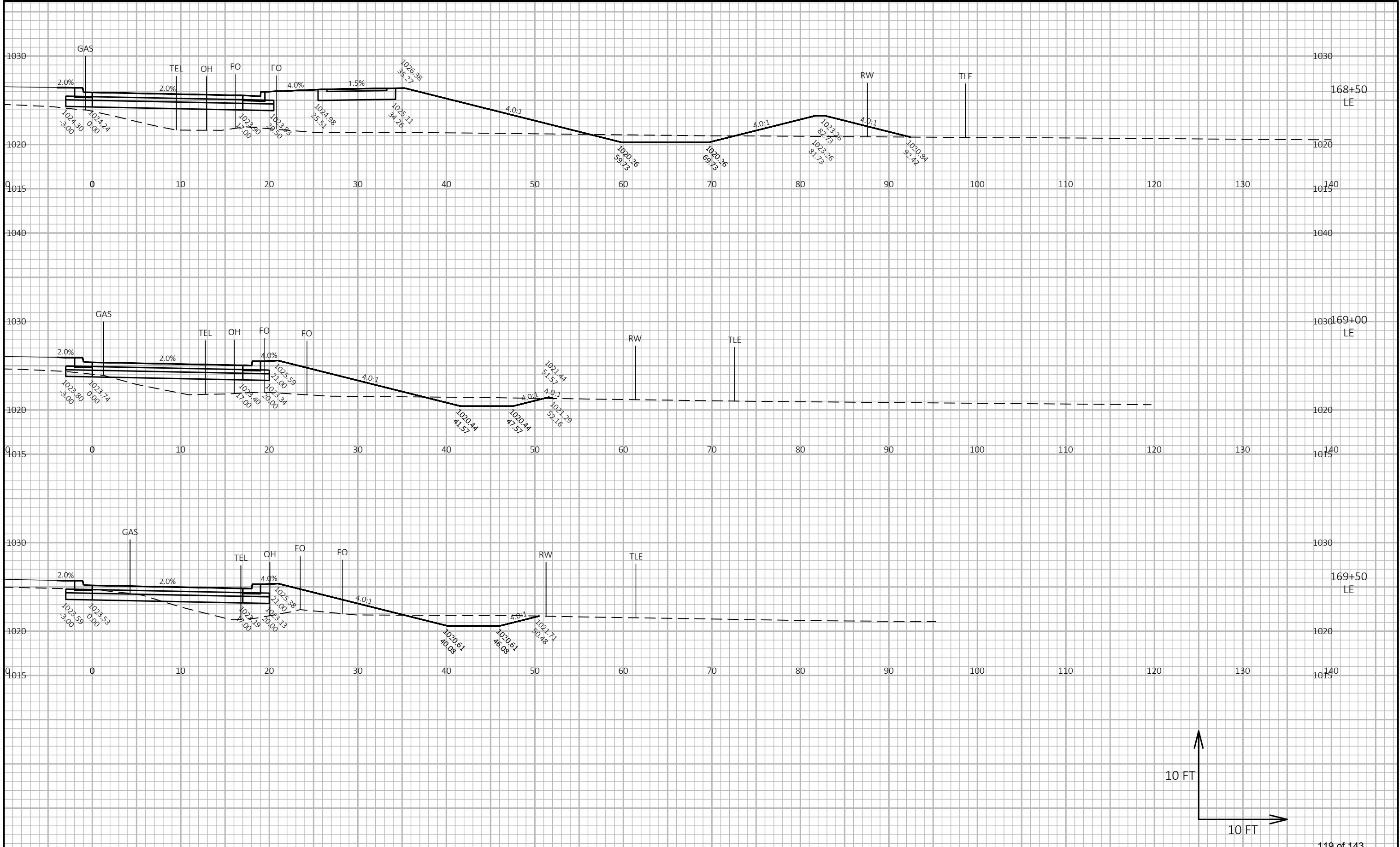




STA 165+03 LE, RT
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 2-APRON ENDWALLS REQ'D

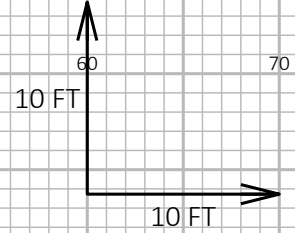
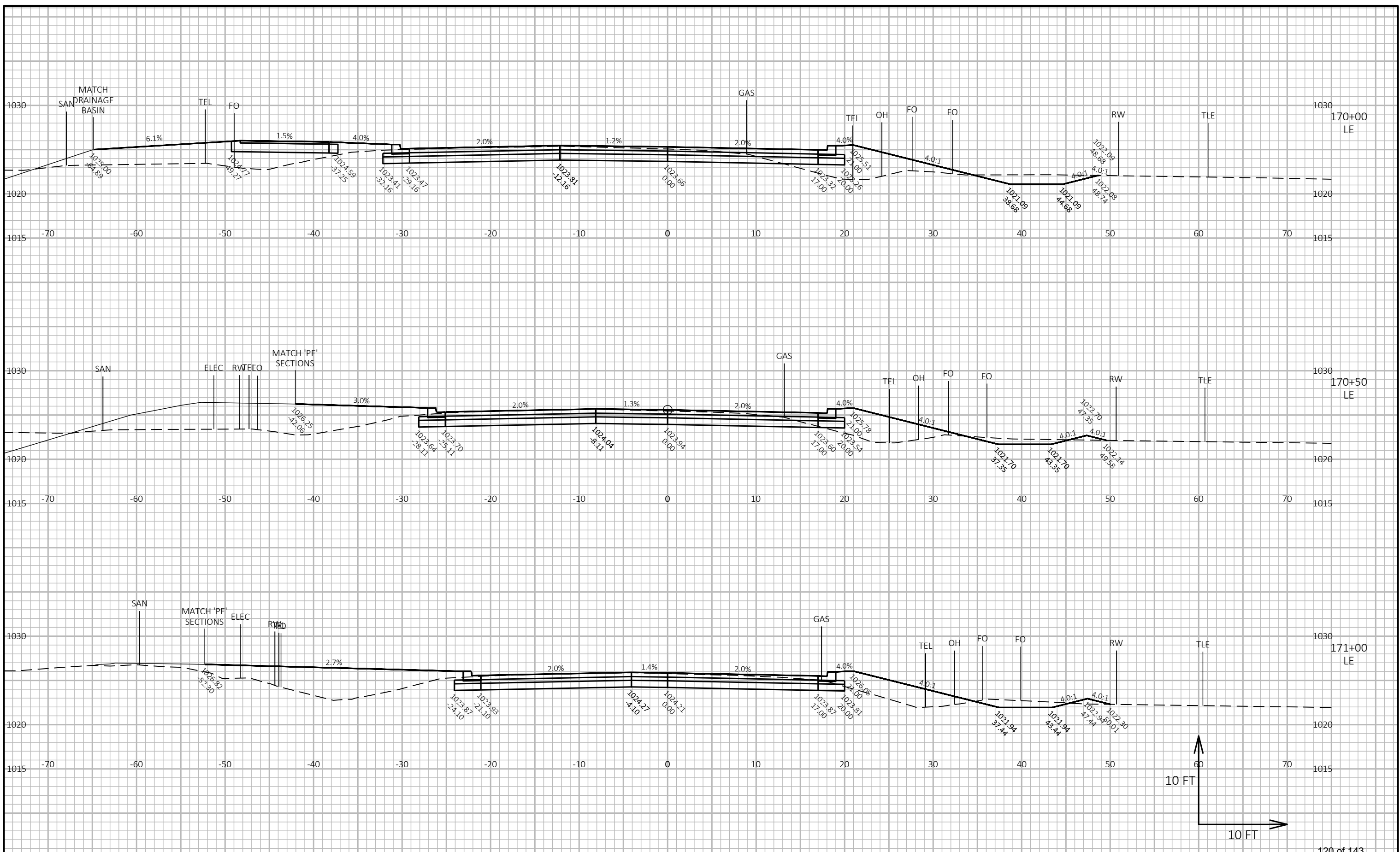


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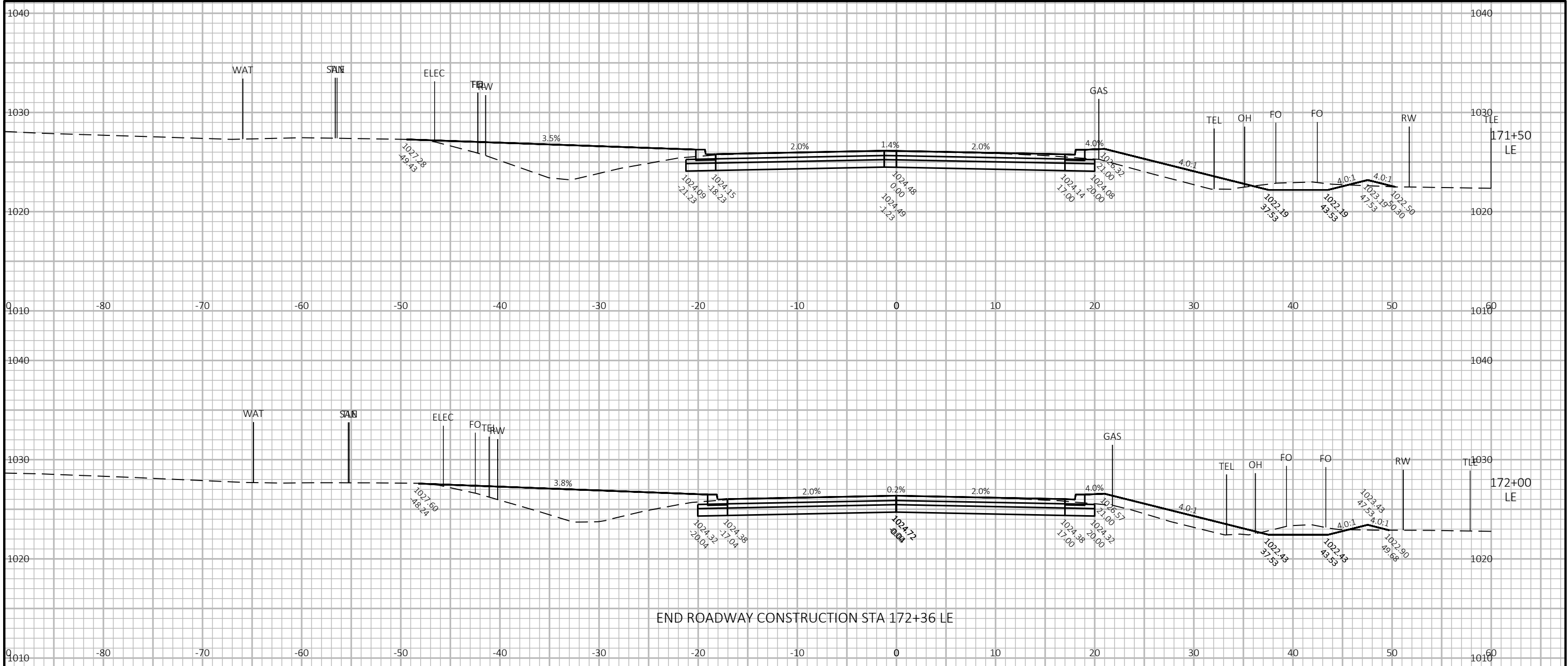
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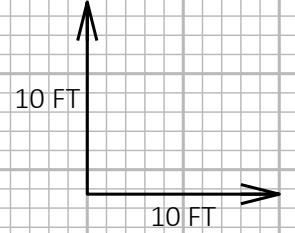


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Project No. 22-3495 Designed By: BJS
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END ROADWAY CONSTRUCTION STA 172+36 LE

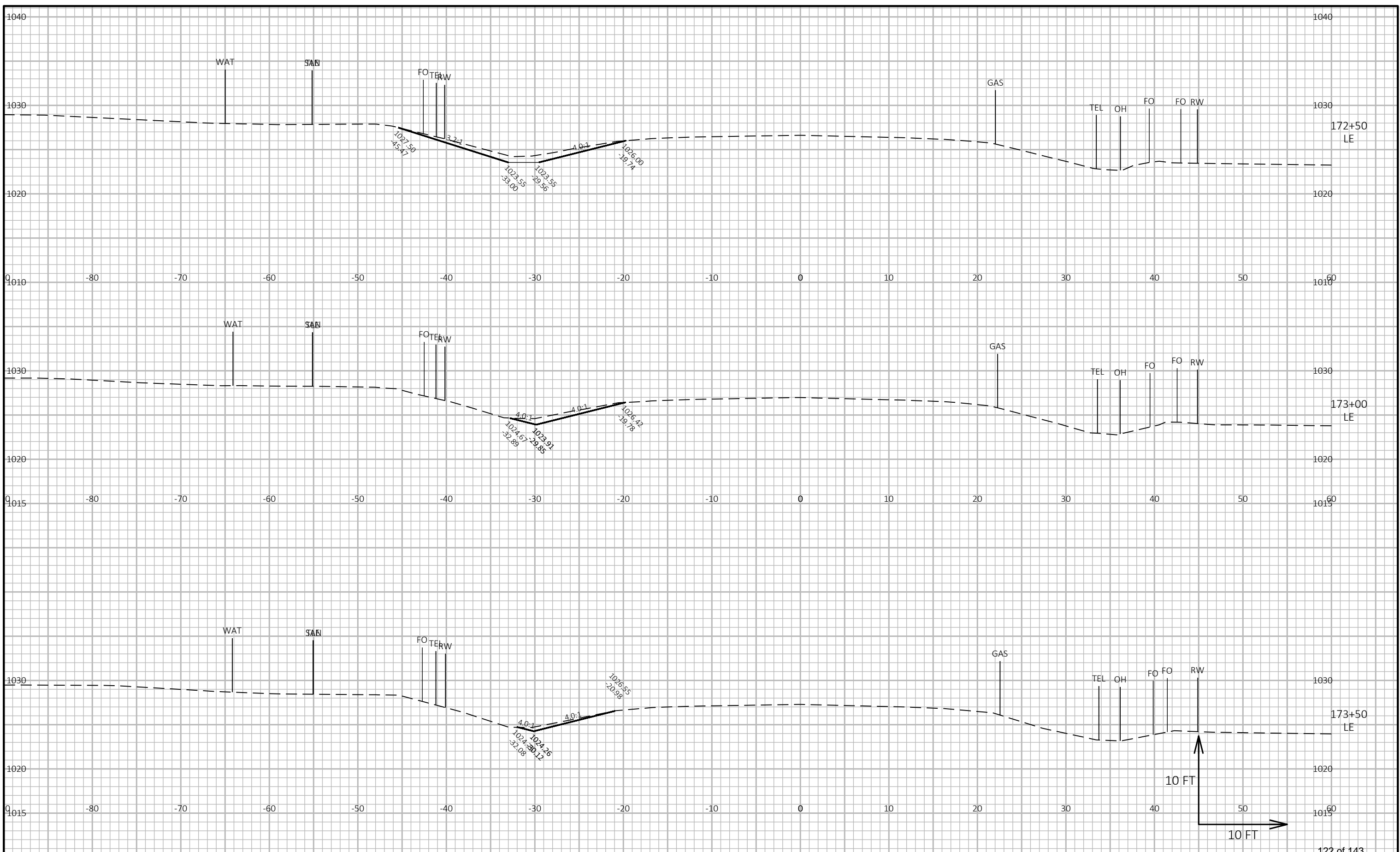


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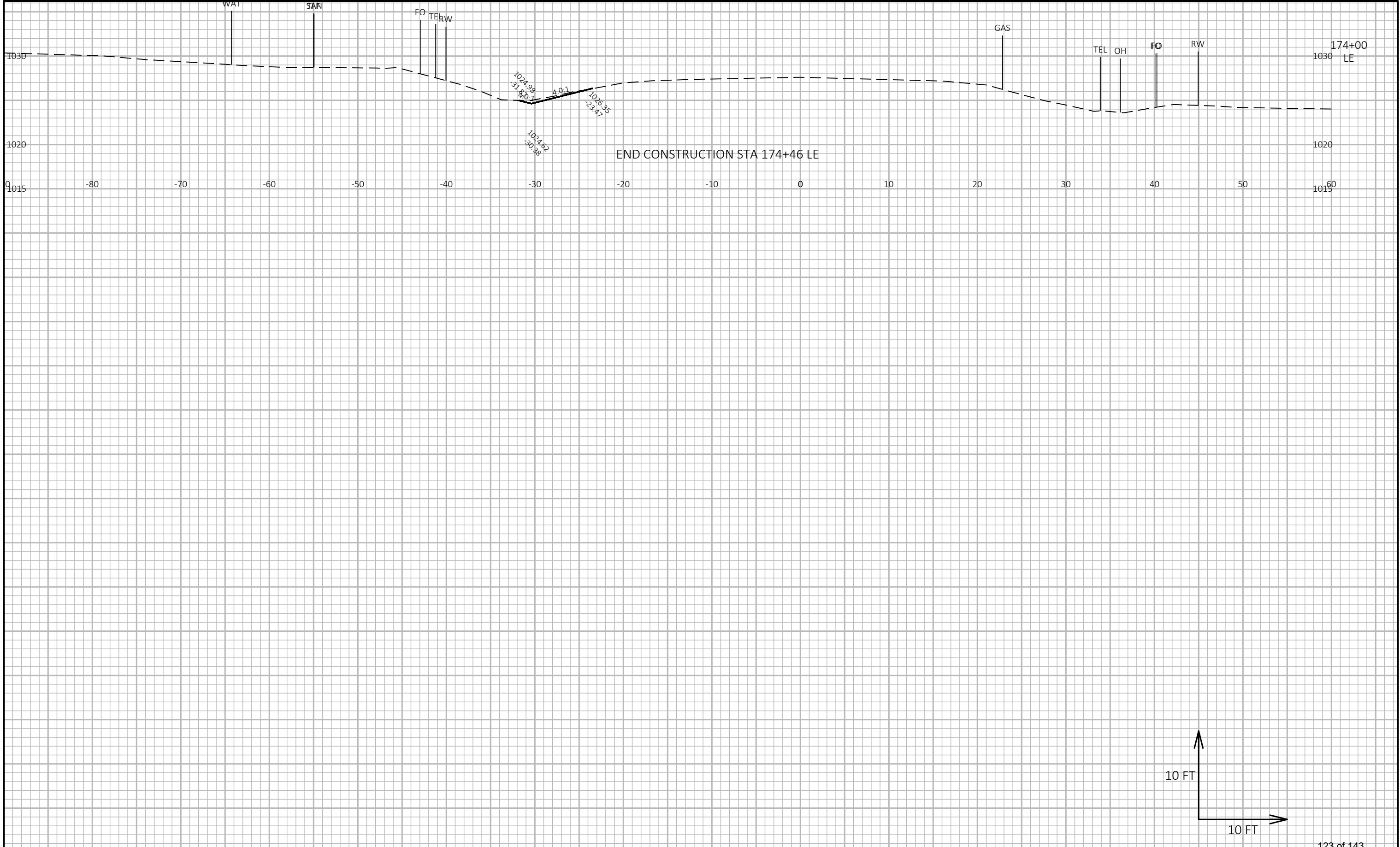
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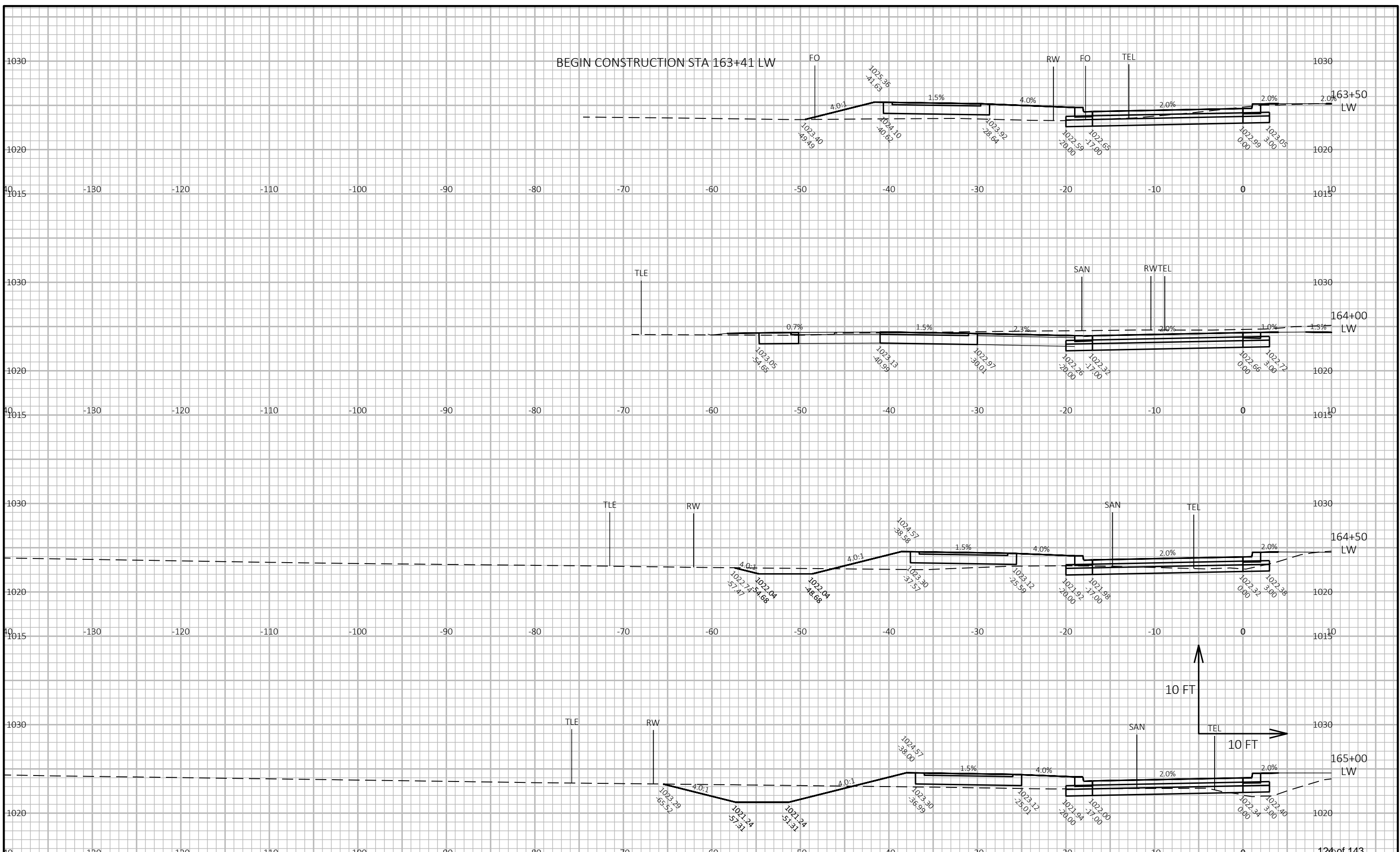
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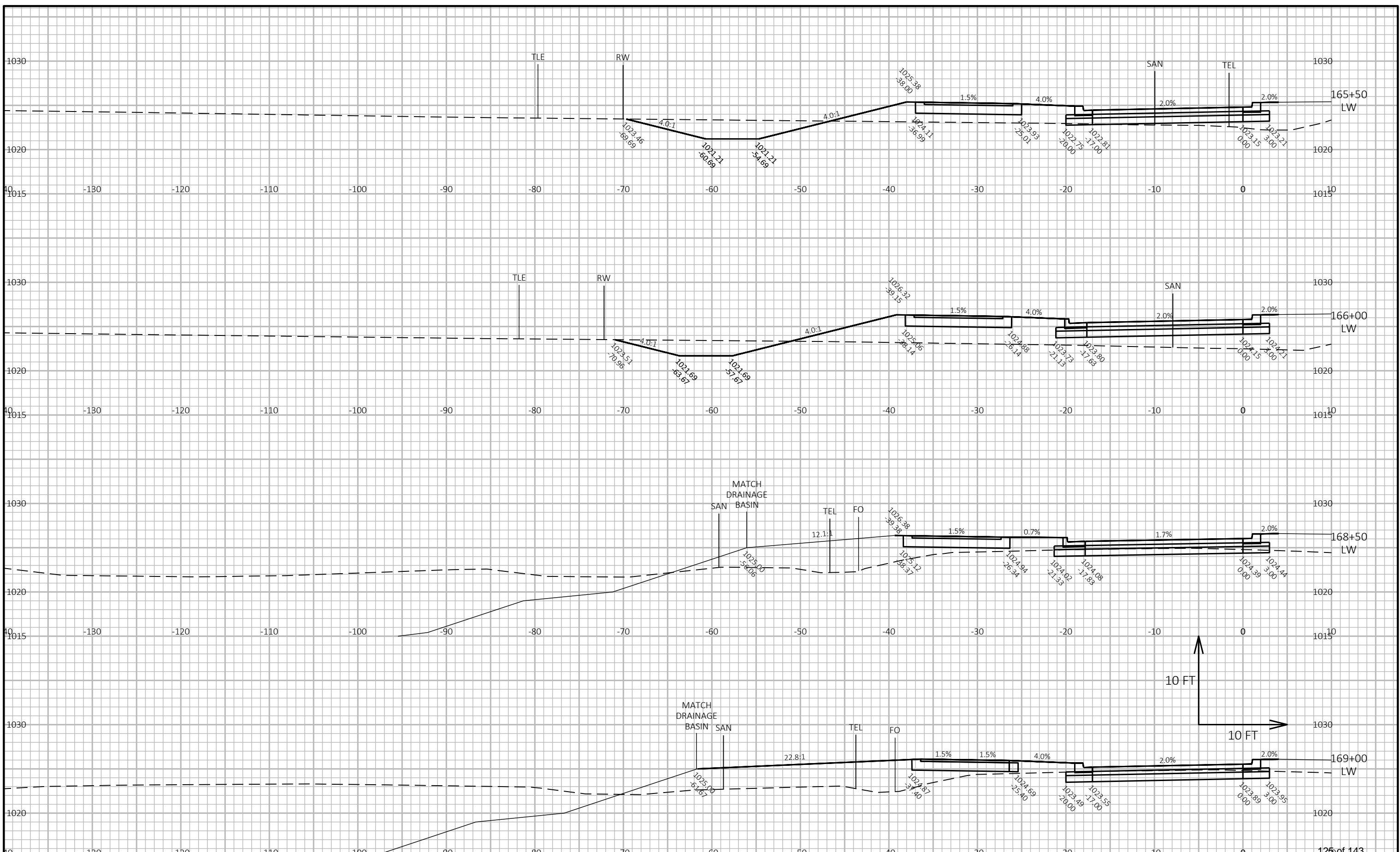


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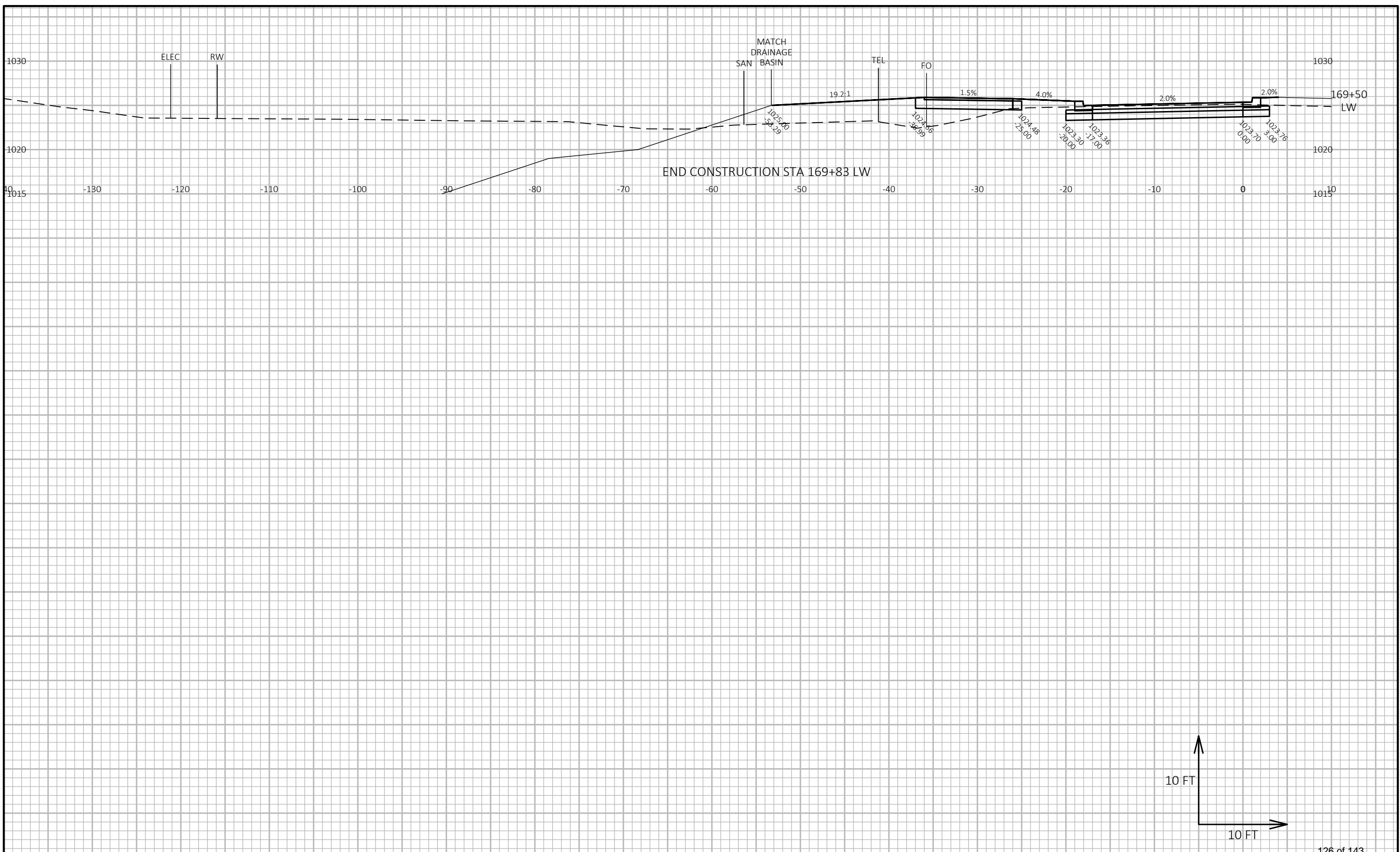


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PLOT BY : BRIAN ST. VINCENT

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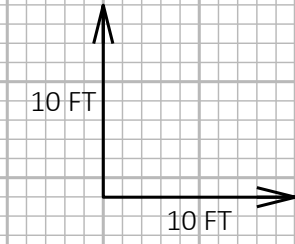
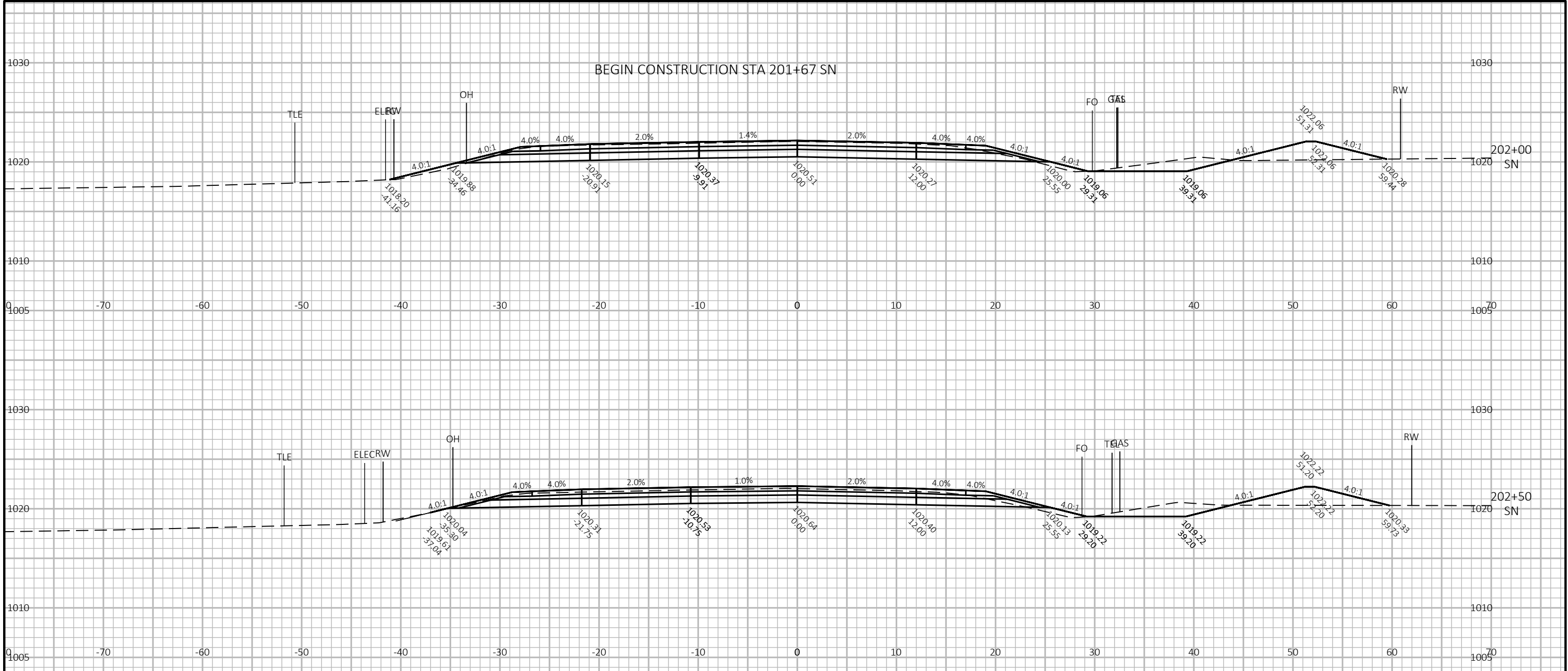


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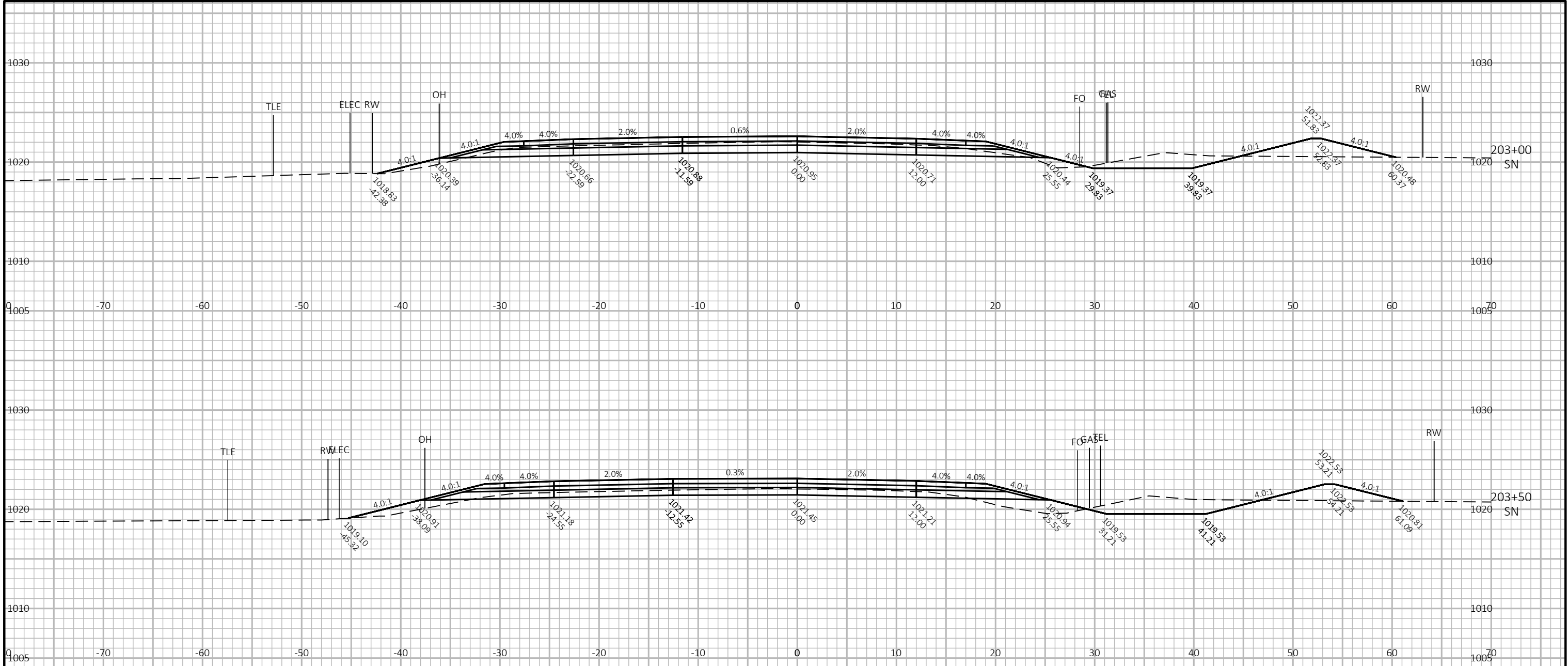
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CROSS SECTIONS

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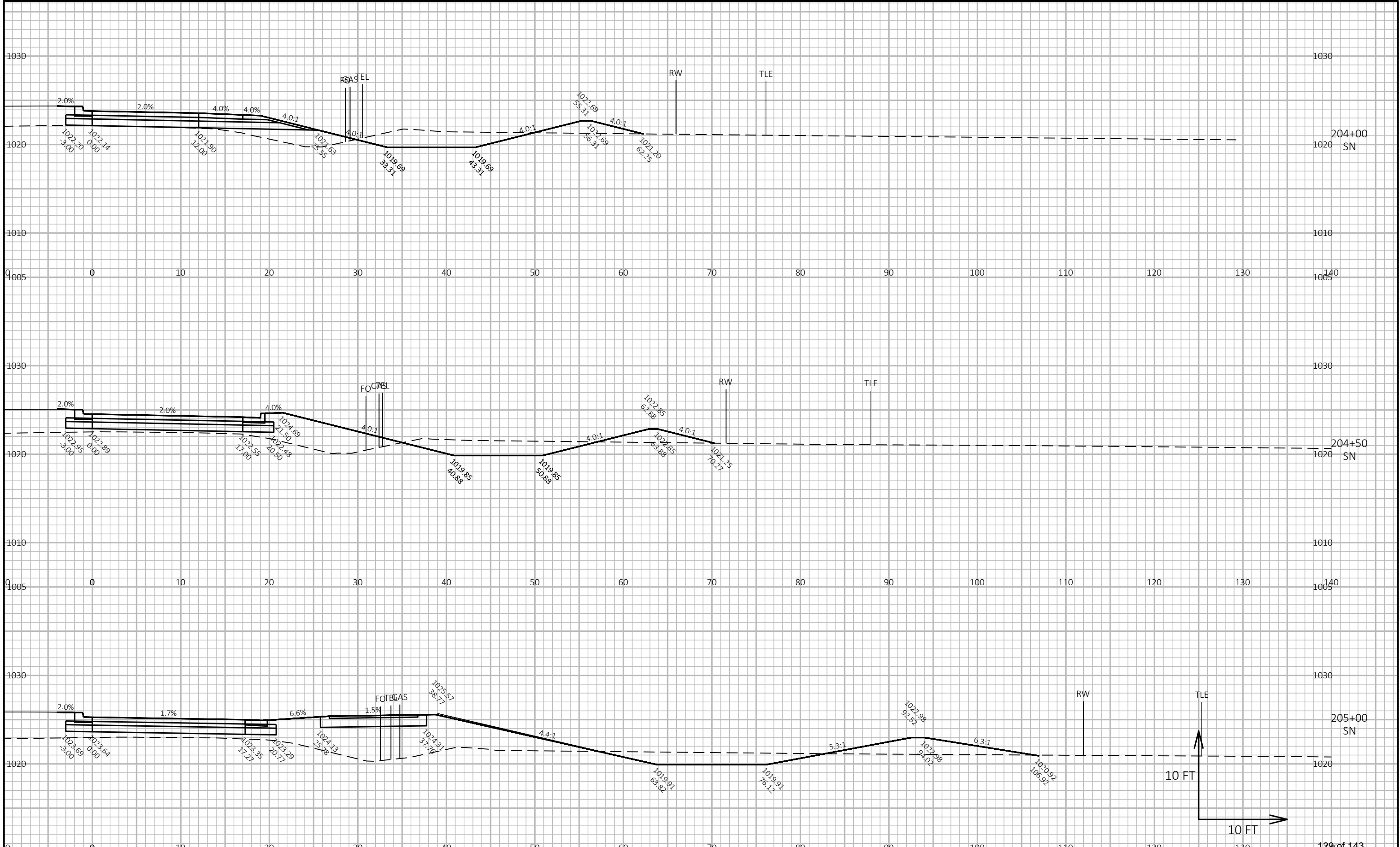
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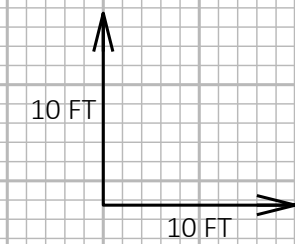
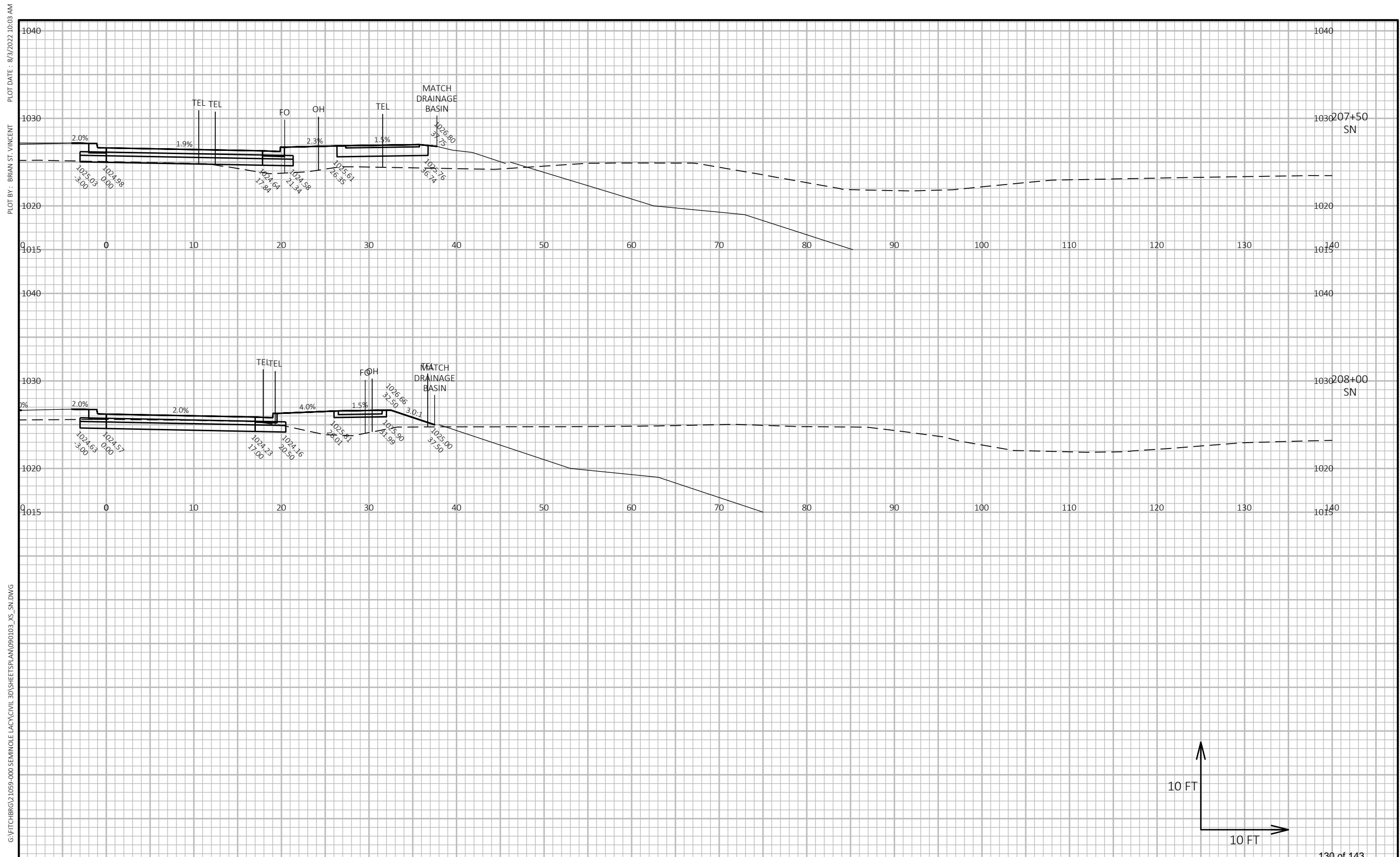
CROSS SECTIONS

Project No.	22-3495	Designed By:	BJS
Date:	08-2022	Checked By:	DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PLOT BY: BRIAN ST. VINCENT

FILE NAME: G:\FITCH\BRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090103_XS_SN.DWG

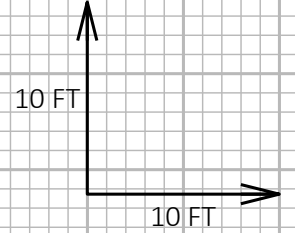
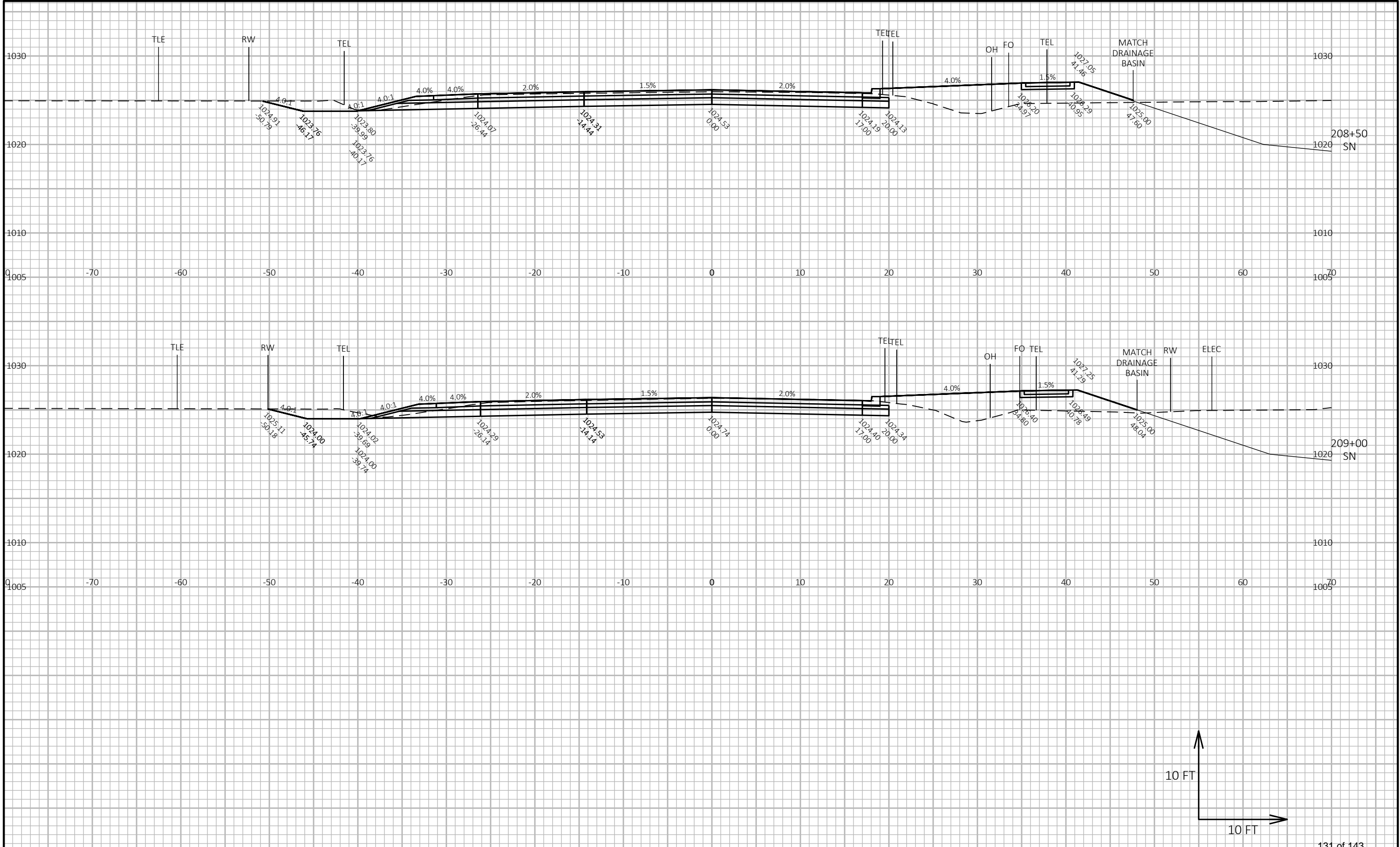


CROSS SECTIONS

Project No.	22-3495	Designed By:	BJS
Date:	08-2022	Checked By:	DR

PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\FITCH\BRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090103_XS_SN.DWG
PLOT BY: BRIAN ST. VINCENT
PLOT DATE: 8/3/2022 10:03 AM

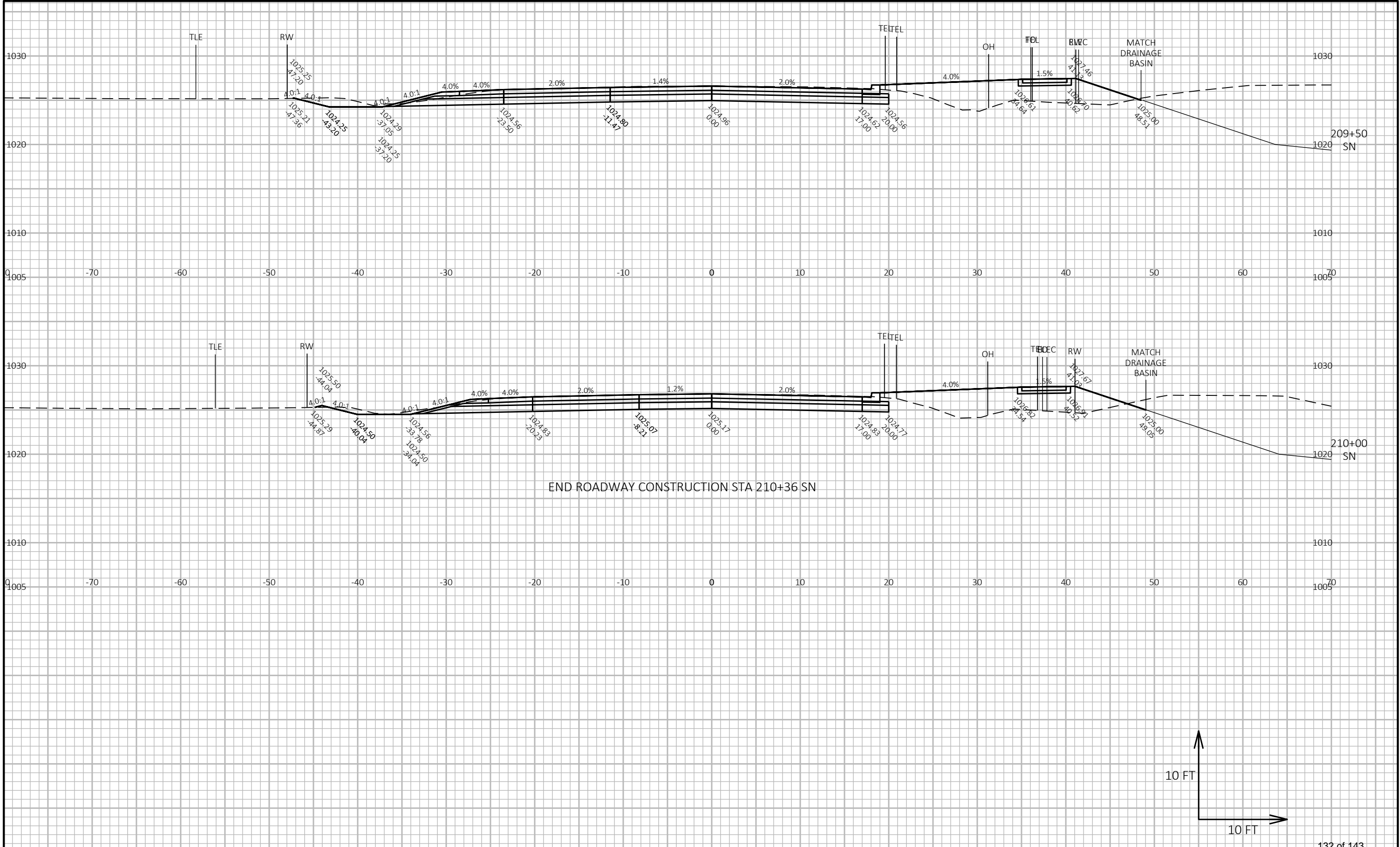


CROSS SECTIONS

Project No.	22-3495	Designed By:	BJS
Date:	08-2022	Checked By:	DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\FITCH\BRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090103_XS_SN.DWG
PLOT BY: BRIAN ST. VINCENT
PLOT DATE: 8/3/2022 10:03 AM



END ROADWAY CONSTRUCTION STA 210+36 SN

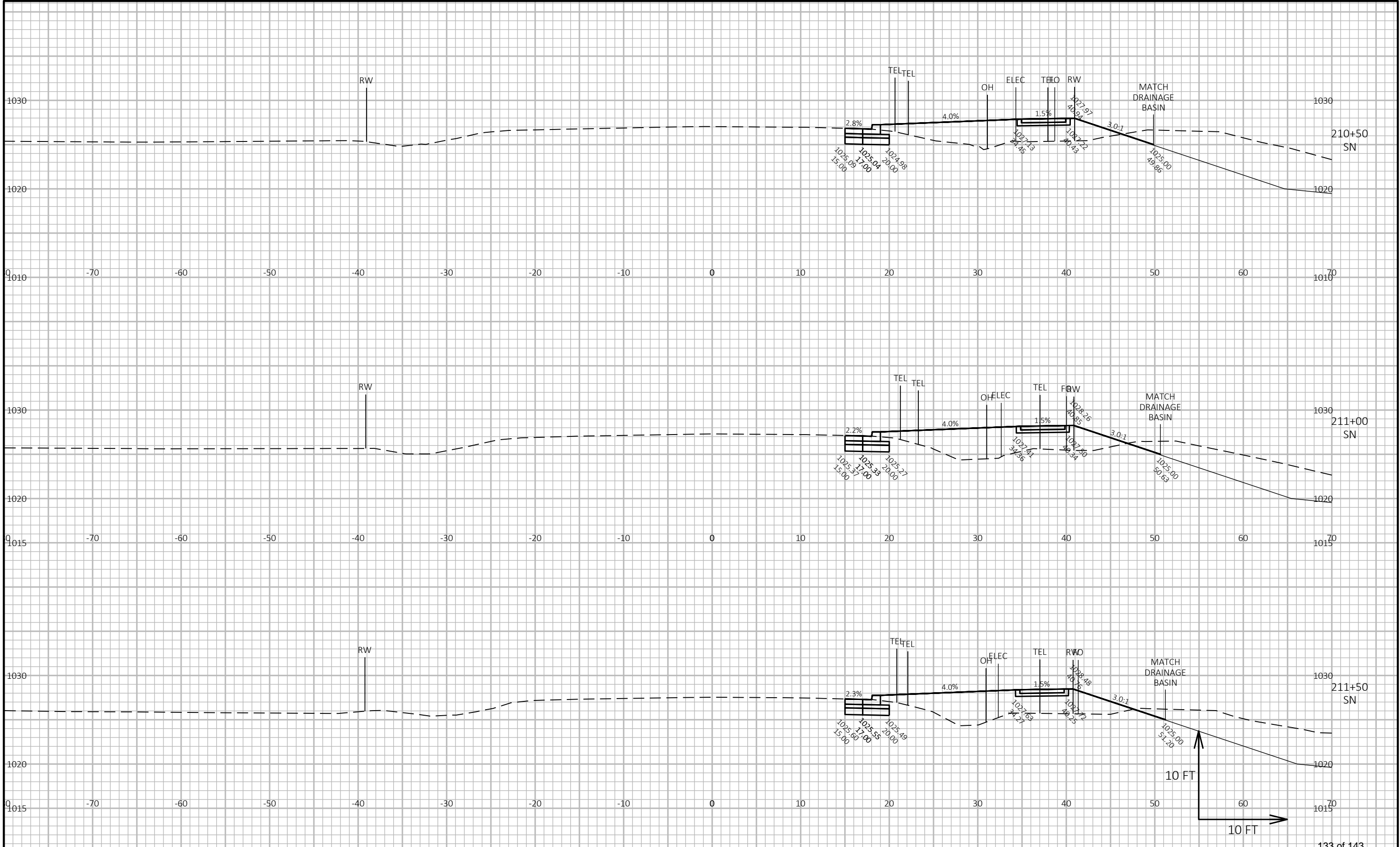


CROSS SECTIONS

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\FITCH\BIRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090103_XS_SN.DWG
PLOT BY: BRIAN ST. VINCENT
PLOT DATE: 8/3/2022 10:03 AM

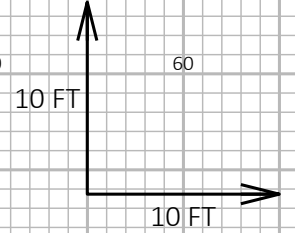
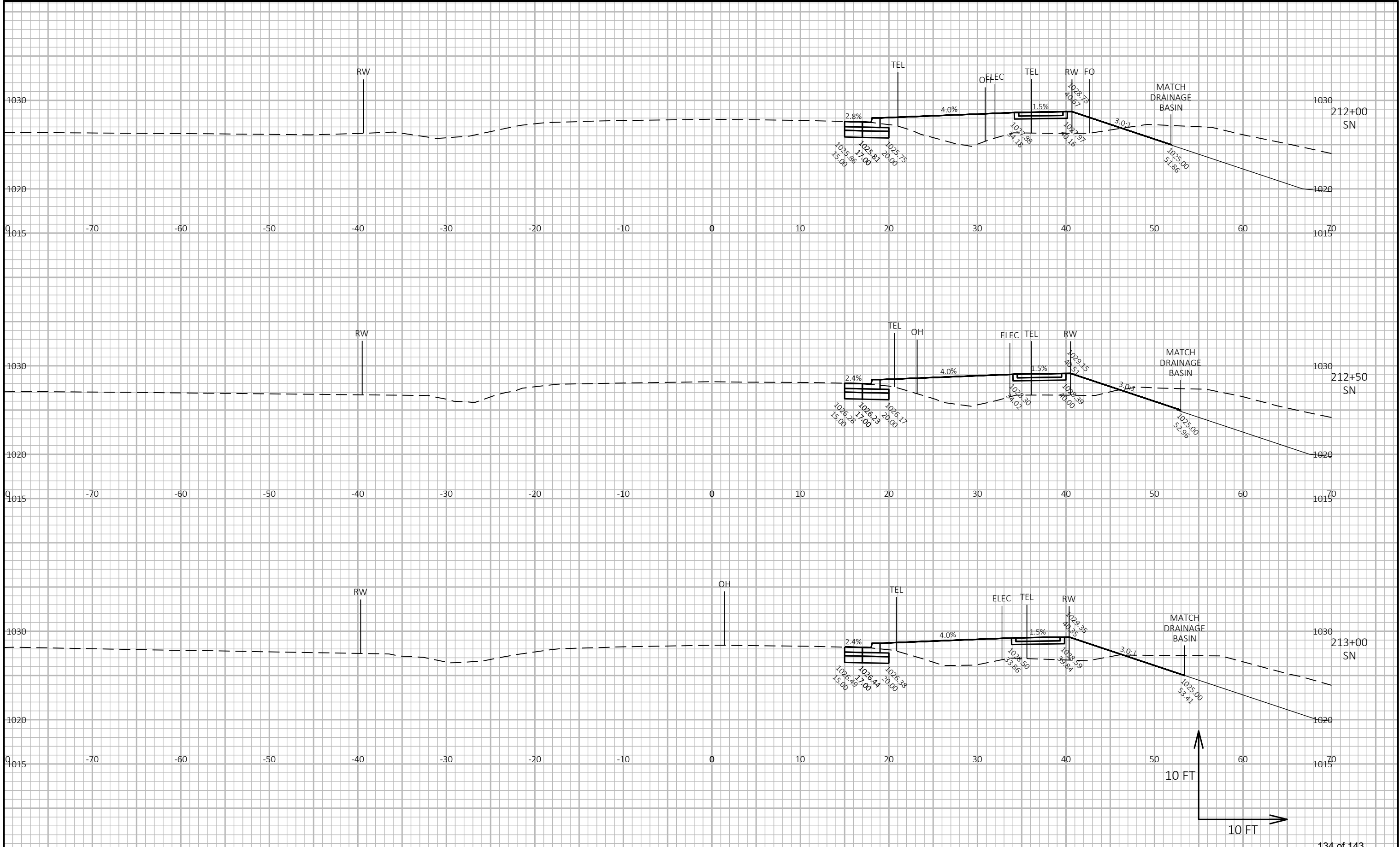


CROSS SECTIONS

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

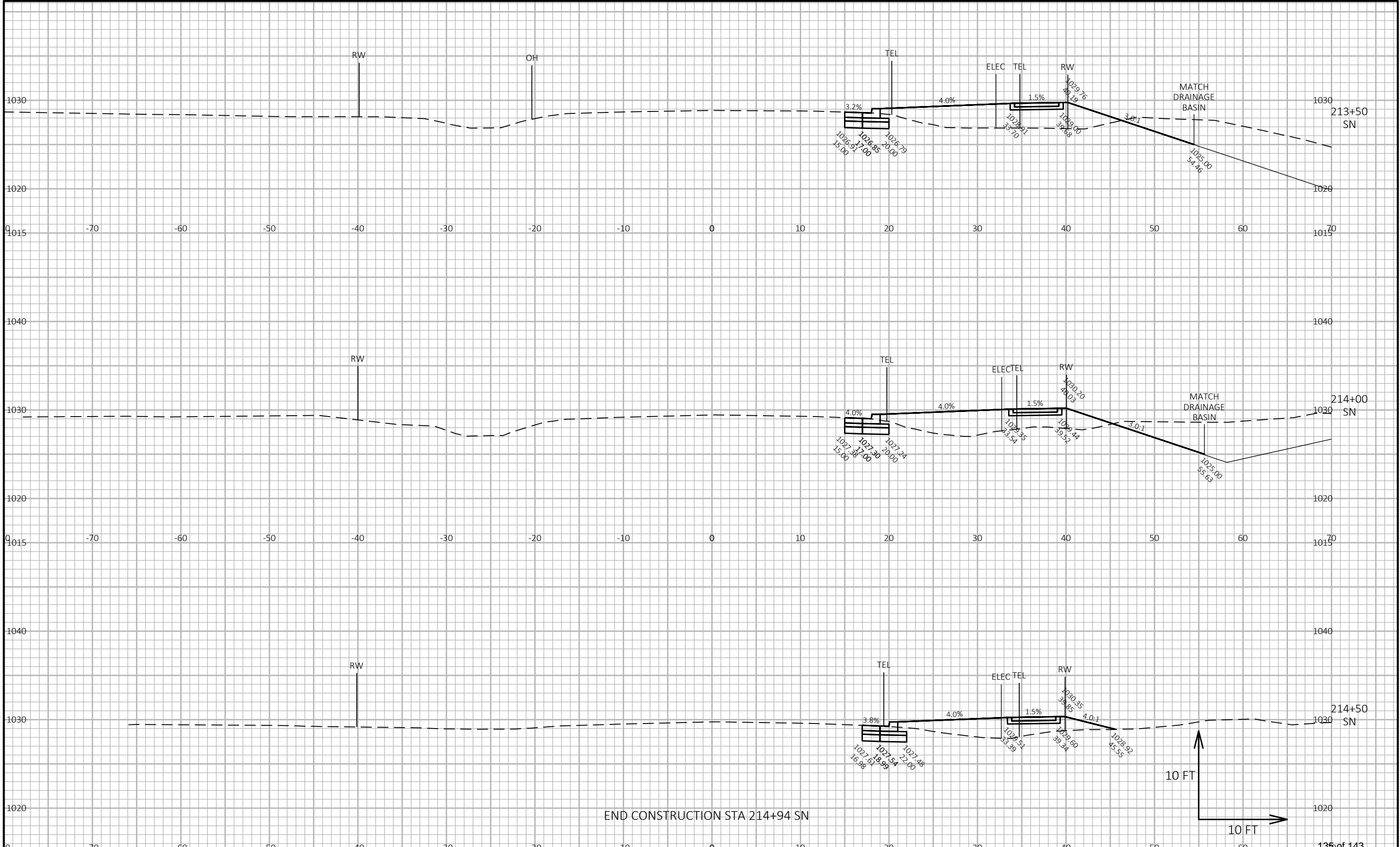
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PLOT BY: BRIAN ST. VINCENT
PLOT DATE: 8/3/2022 10:03 AM



CROSS SECTIONS

Project No. 22-3495
Date: 08-2022
Designed By: BJS
Checked By: DR

FILE NAME : G:\FITCH\BRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090103_XS_SN.DWG
PLOT BY: BRIAN ST. VINCENT
PLOT DATE: 8/3/2022 10:03 AM



END CONSTRUCTION STA 214+94 SN

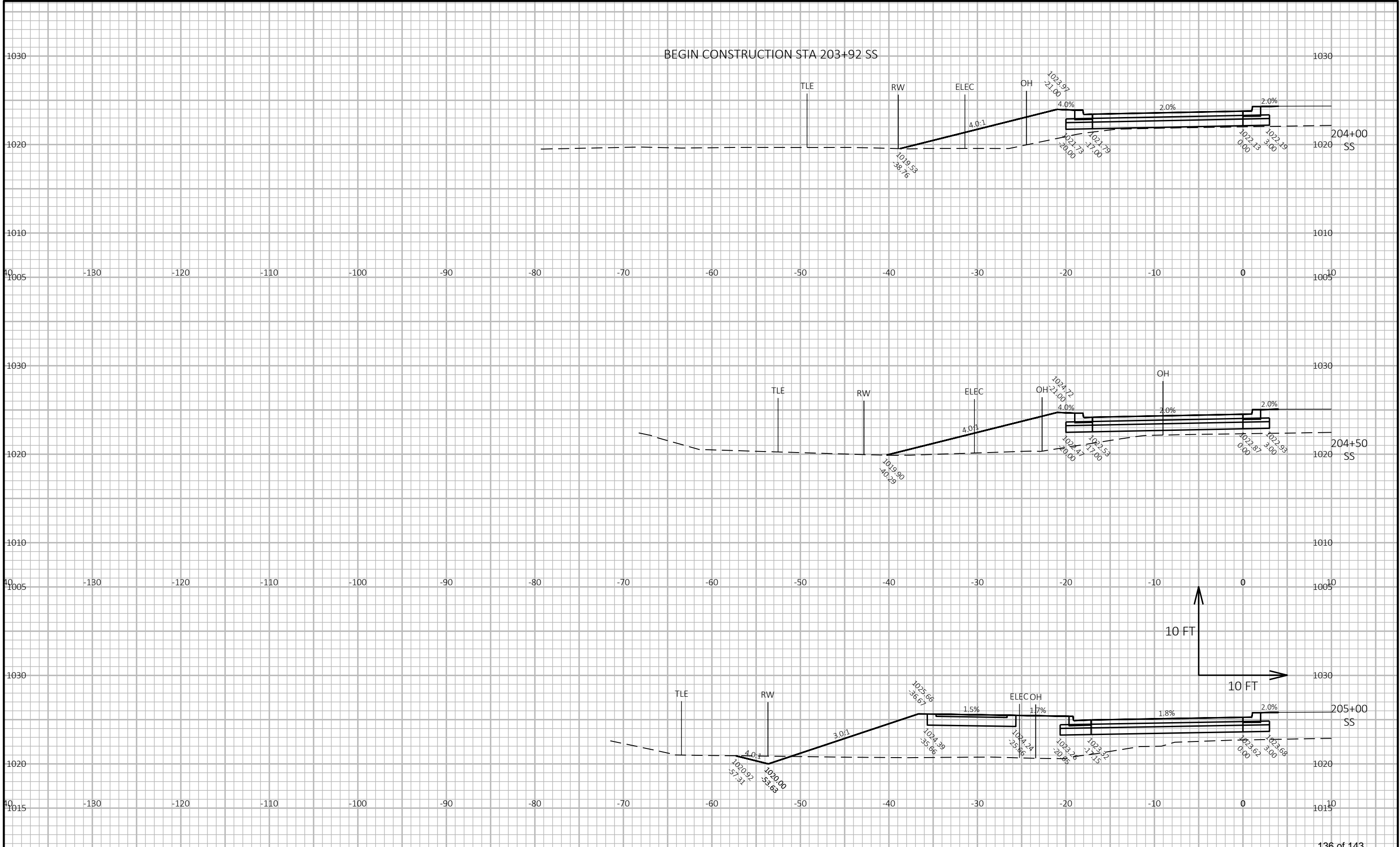


CROSS SECTIONS

Project No.	22-3495	Designed By:	BJS
Date:	08-2022	Checked By:	DR

PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

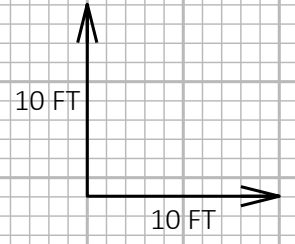
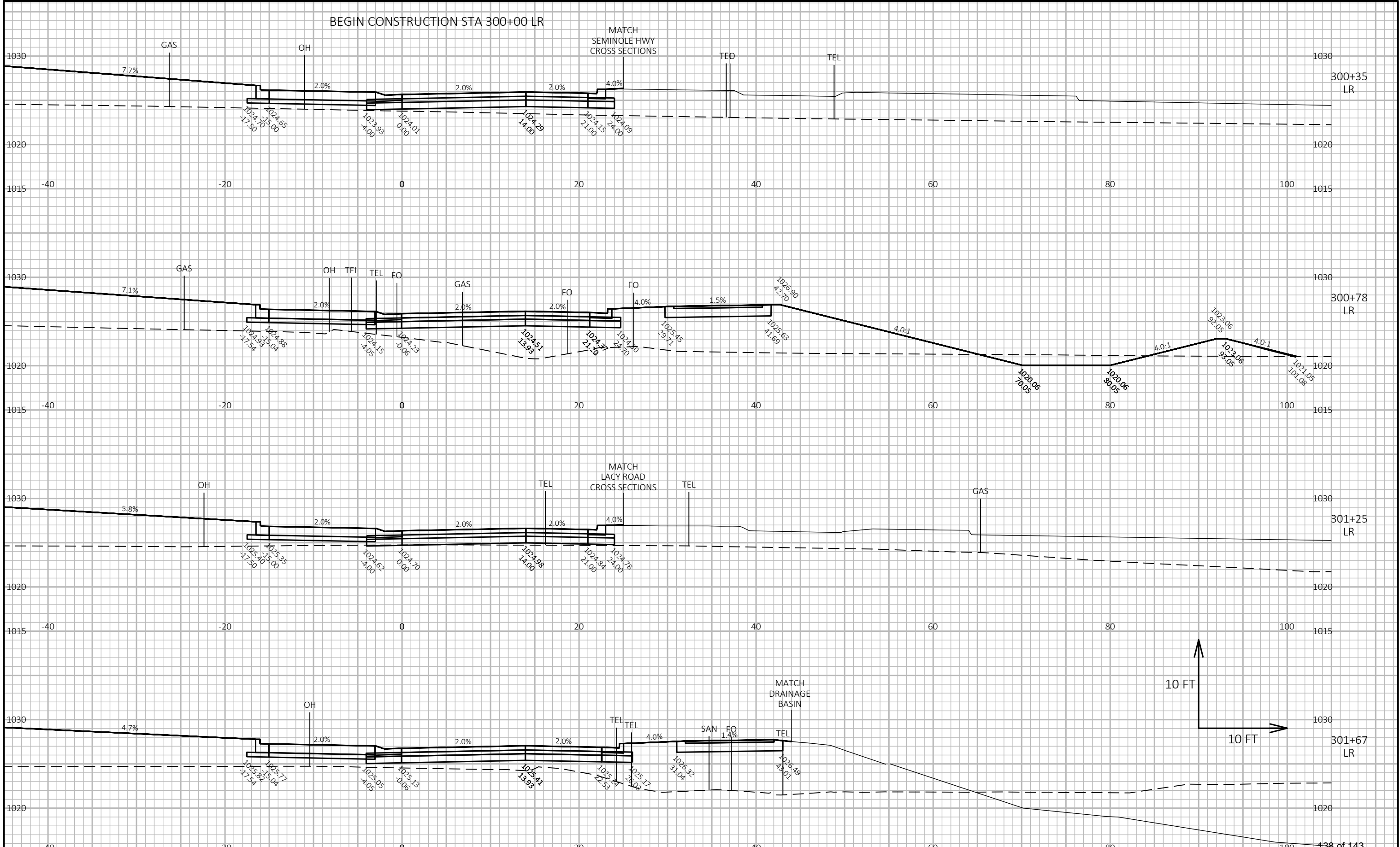
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CROSS SECTIONS

Project No.	22-3495	Designed By:	BJS
Date:	08-2022	Checked By:	DR

FILE NAME : G:\VTC\BIRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090105_XS_LR.DWG
PLOT DATE : 8/3/2022 10:36 AM
PLOT BY : BRIAN ST. VINCENT

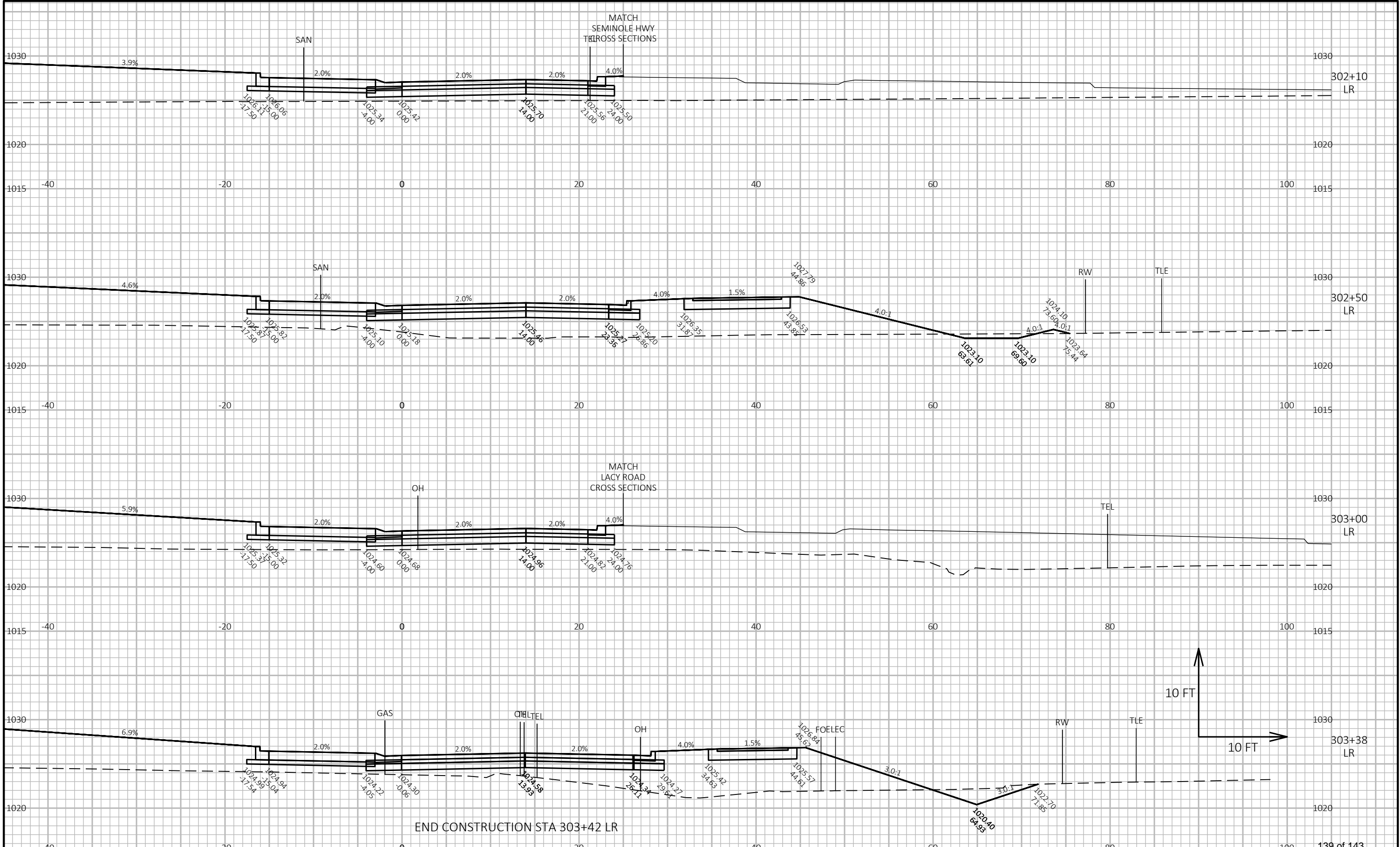


CROSS SECTIONS

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\VTC\BIRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090105_XS_LR.DWG
PLOT DATE : 8/3/2022 10:36 AM
PLOT BY : BRIAN ST. VINCENT

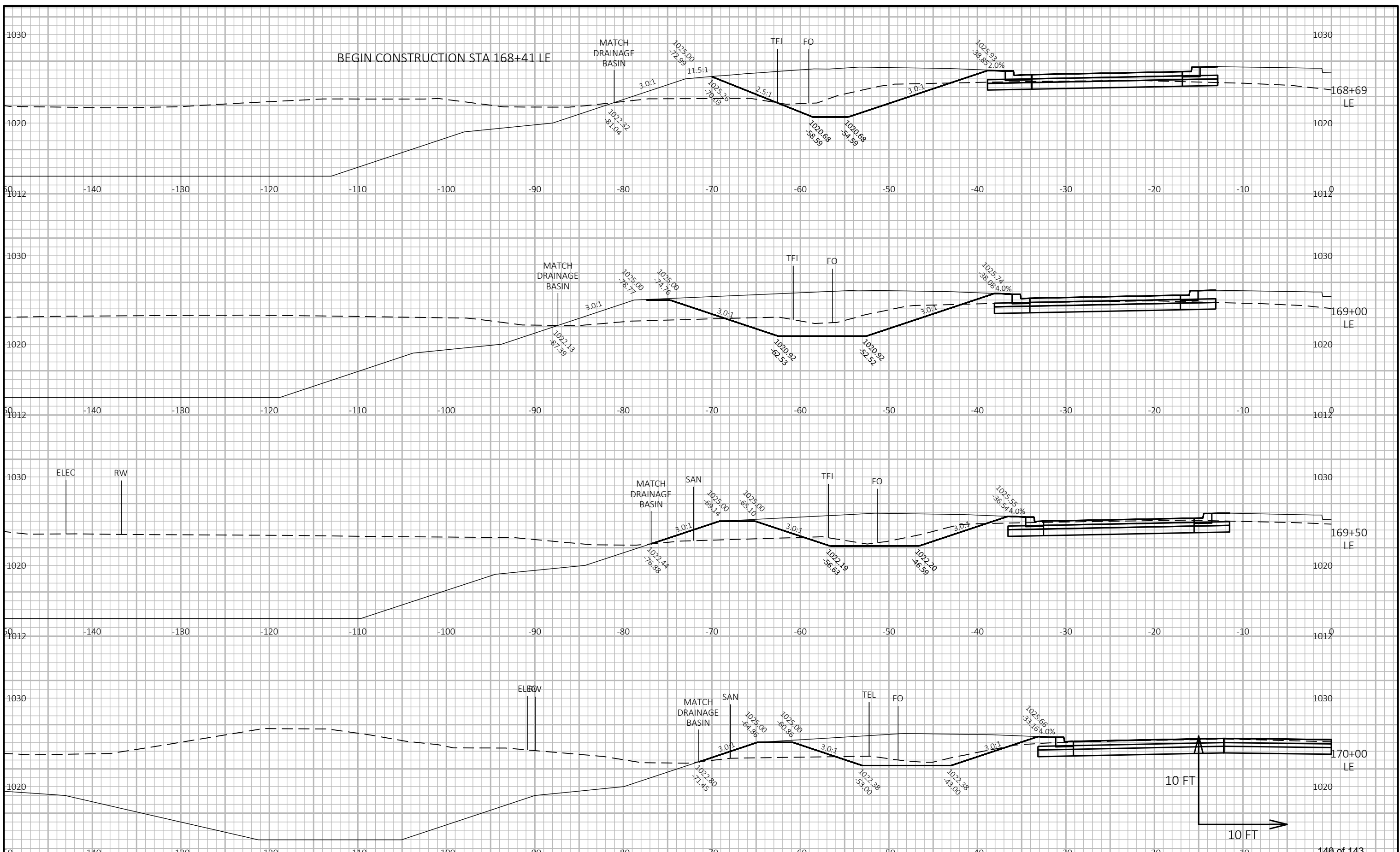


CROSS SECTIONS

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\FITCH\BRG\21059-000 SEMINOLE LACY\CIVIL_3D\SHEETS\PLAN\090106_XS_LET.DWG
PLOT DATE : 9/13/2022 4:18 PM
PLOT BY : BRIAN ST. VINCENT

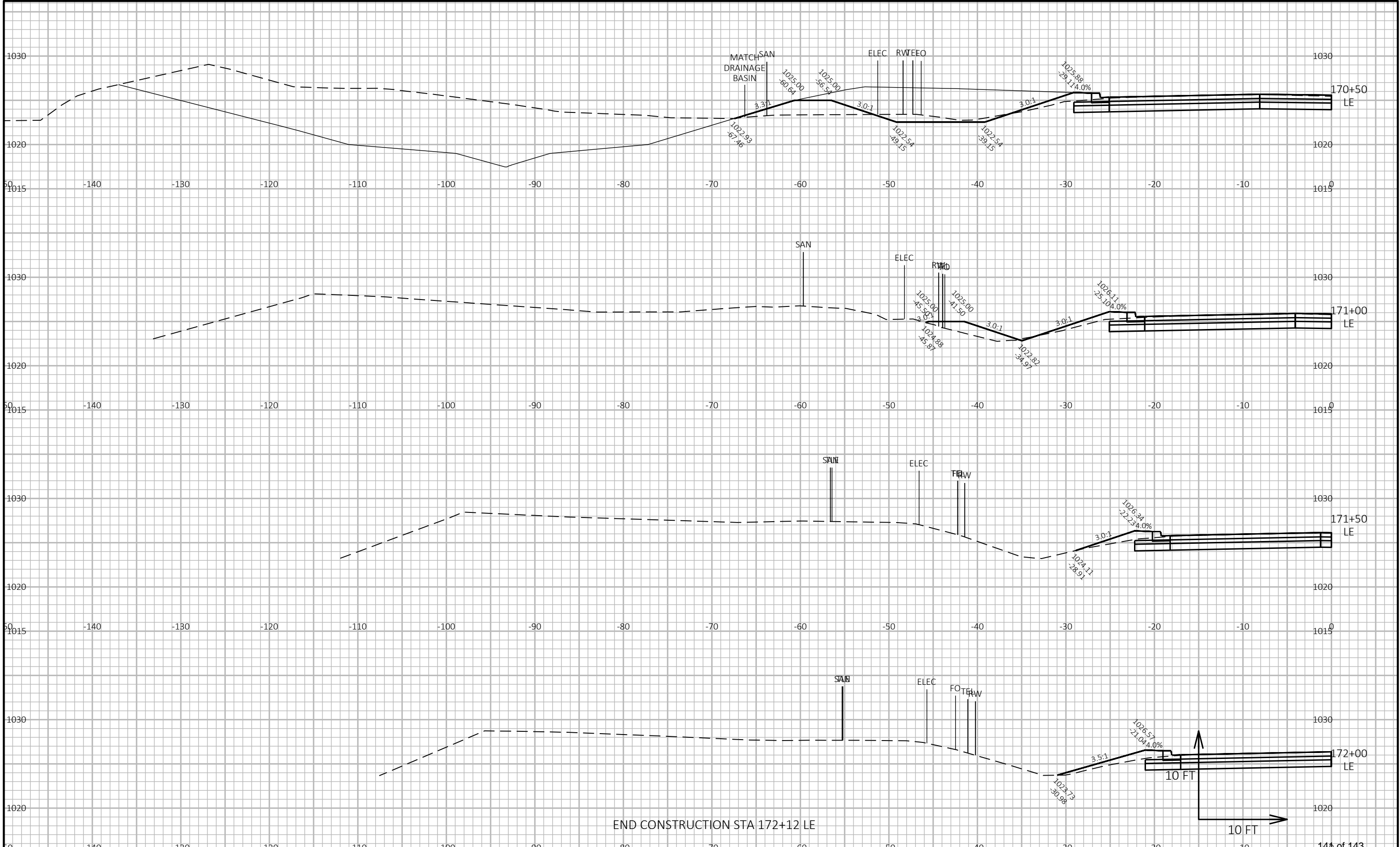


CROSS SECTIONS - TEMPORARY DIVERSION DITCH

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

FILE NAME : G:\V\F\CHBRG\21059-000 SEMINOLE LACY\CIVIL 3D\SHEETS\PLAN\090106_XS_LET.DWG
PLOT BY : BRIAN ST. VINCENT
PLOT DATE : 9/13/2022 4:18 PM



END CONSTRUCTION STA 172+12 LE



CROSS SECTIONS - TEMPORARY DIVERSION DITCH

Project No. 22-3495 Designed By: BJS
Date: 08-2022 Checked By: DR

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

