

RALEIGH, WAKE COUNTY NORTH CAROLINA

TRENTON ROAD CONNECTOR

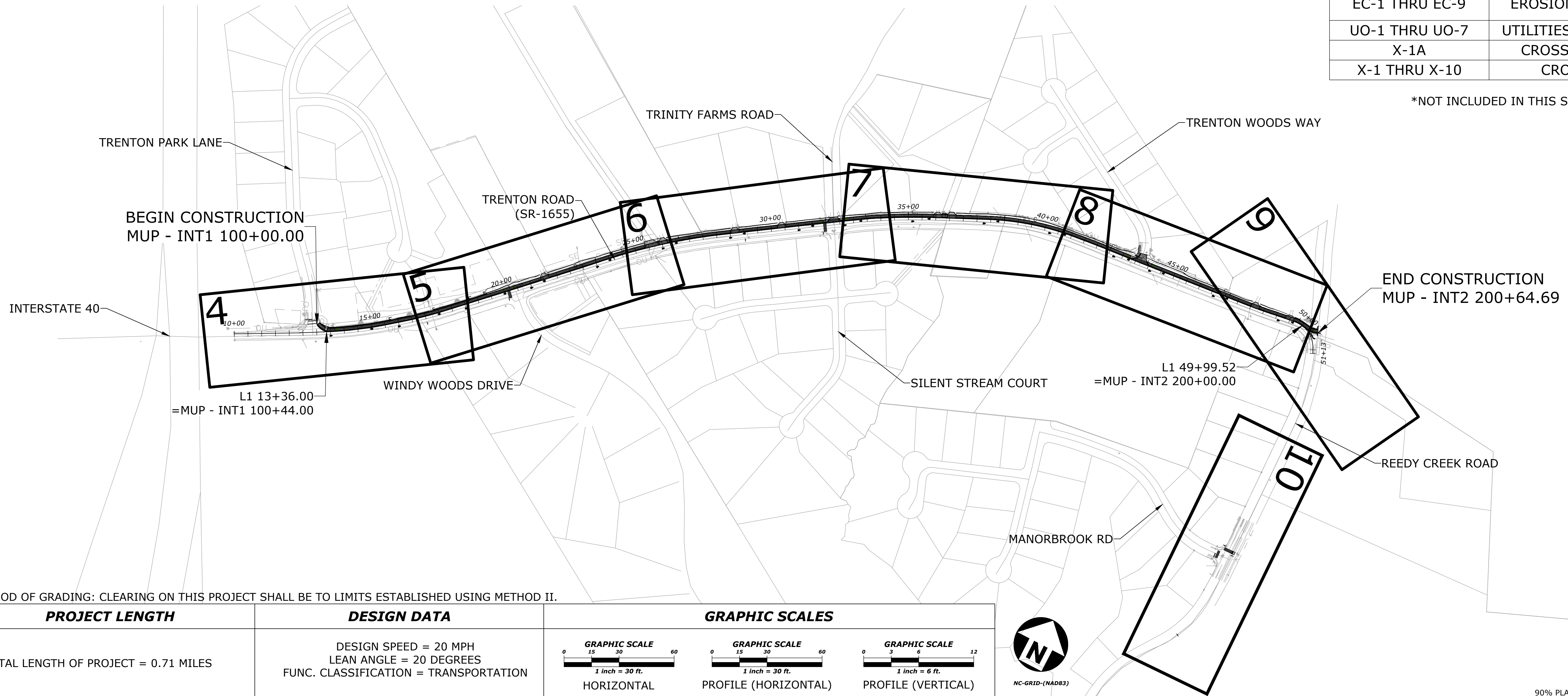
PROJECT DESCRIPTION:
10' WIDE MULTI-USE PATH CONNECTING TRENTON PARK LANE TO EXISTING MULTI-USE PATH ALONG OLD REEDY CREEK ROAD

TYPE OF WORK:
GRADING, PAVING, DRAINAGE, PAVEMENT MARKING, & EROSION CONTROL

CITY OF RALEIGH #: xxx

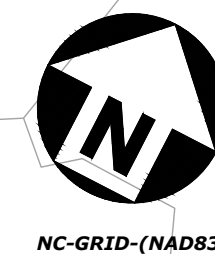
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4 THRU 10	PLAN & PROFILE SHEETS
TMP-1 THRU TMP-2	TRANSPORTATION MANAGEMENT PLANS
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X-1 THRU X-10	CROSS SECTIONS

*NOT INCLUDED IN THIS SUBMITTAL



METHOD OF GRADING: CLEARING ON THIS PROJECT SHALL BE TO LIMITS ESTABLISHED USING METHOD II.

PROJECT LENGTH	DESIGN DATA	GRAPHIC SCALES		
TOTAL LENGTH OF PROJECT = 0.71 MILES	DESIGN SPEED = 20 MPH LEAN ANGLE = 20 DEGREES FUNC. CLASSIFICATION = TRANSPORTATION	 HORIZONTAL	 PROFILE (HORIZONTAL)	 PROFILE (VERTICAL)



90% PLANS - NOT RELEASED FOR CONSTRUCTION



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RALEIGH, NC 27601
919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS
NO. DATE

GREENWAY ENGINEER
HYDRAULICS ENGINEER
PRELIMINARY
NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

COVER SHEET

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_CS.dwg
CHECKED BY GDB
DRAWN BY JP
SCALE 1" = 200'
DATE 03/15/2022

NOTES

1. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE MOST RECENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (JANUARY 2018).
2. WHERE ASPHALT SECTION IS REMOVED, CONTRACTOR SHALL USE A SAW CUT AT THE LIMIT OF DEMOLITION TO OBTAIN A CLEAN EDGE.
3. NO GRADING IS TO OCCUR IN THE TREE PROTECTION AREAS OR TREE CRITICAL ROOT ZONE.
4. THE CONTRACTOR MUST, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS OR RUBBISH CAUSED BY HIM, HIS EMPLOYEES, OR HIS WORK. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS.
5. EXISTING UTILITIES AND STRUCTURES SHOWN BOTH UNDERGROUND AND ABOVE ARE BASED ON THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
6. CONTRACTOR SHALL LOCATE ALL UTILITIES AND UTILITY ELEVATIONS PRIOR TO CONSTRUCTION BY CALLING 811 (1-800-632-4949). ALL UTILITIES TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR.
7. CONTRACTOR SHALL RESTORE ALL LAY DOWN AND STAGING AREAS TO ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE OWNER, PRIOR TO DEMOBILIZATION AT THE CONCLUSION OF THE PROJECT.
8. SHOULDERS SHALL BE SEEDED AND MULCHED AT THE SAME RATE AND WITH THE SAME SEED MIX USED FOR THE REST OF THE PROJECT.
9. ANY EXCAVATION MUST BE FILLED IN AND TAMPED AT THE CONCLUSION OF EACH WORK PERIOD, AND EQUIPMENT AND SUPPLIES RETURNED TO THE CONSTRUCTION STAGING AREA.
10. ORANGE CONSTRUCTION/SAFETY FENCING REMOVED TO FACILITATE ACCESS BY THE CONTRACTOR FOR CONSTRUCTION MUST BE REPLACED AT THE END OF EACH WORK PERIOD TO DIRECT PEDESTRIAN AND VEHICULAR TRAFFIC AWAY FROM HAZARDOUS AREAS.
11. CONTRACTOR SHALL STAKE CENTERLINE OF TRAIL ACCORDING TO PLANS AND OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO CONSTRUCTION.
12. CONTRACTOR SHALL REVIEW TREE REMOVAL WITH OWNER'S REPRESENTATIVE AND OBTAIN APPROVAL PRIOR TO TREE REMOVAL. TRIM UP BRANCHES OF TREES TO PROVIDE 10-FT VERTICAL CLEARANCE ABOVE PAVEMENT SURFACE
13. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH PROJECT AS SET FORTH IN THESE PLANS. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED TO THE OWNER IN WRITING FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER.
14. TREES AND PLANTS WILL NOT BE DAMAGED OR REMOVED IN ORDER TO SERVICE AND MAINTAIN THE UTILITY, SIDEWALK, GREENWAY OR OTHER SIMILAR FEATURE.
15. SUPERELEVATION TRANSITION IS SHOWN ON THE PLAN VIEW.
16. CONTRACTOR SHALL INSTALL REQUIRED TREE PROTECTION FENCE AS SHOWN ON THE APPROVED PLAN AND HAVE IT INSPECTED BY CITY STAFF BEFORE PROCEEDING WITH ADDITIONAL WORK.
17. CONTRACTOR SHALL REFRAIN FROM ADDITIONAL CONSTRUCTION ACTIVITIES ON CITY-OWNED OR CONTROLLED PROPERTY UNTIL A SATISFACTORY INSPECTION HAS BEEN COMPLETED BY THE CITY OF THE REQUIRED TREE PROTECTION FENCING AS APPROVED. DISTURBANCE WITHIN THE REQUIRED TREE PROTECTION AREAS WILL RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND MAY REQUIRE MITIGATION INCLUDING BUT NOT LIMITED TO MONETARY PENALTIES, PRUNING, TREE REMOVAL, AND REPLANTING AS DETERMINED BY THE CITY.
18. ADDITIONAL TREES MAY BE REQUIRED TO BE REMOVED ON CITY-OWNED OR CONTROLLED PROPERTY AT THE DISCRETION OF THE URBAN FORESTER.

NCDOT STANDARDS:

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

- | STD.NO. | TITLE |
|--|---|
| DIVISION 2 - EARTHWORK | |
| 200.02 | Method of Clearing - Method II |
| DIVISION 3 - PIPE CULVERTS | |
| 300.01 | Method of Pipe Installation |
| 310.10 | Driveway Pipe Construction |
| DIVISION 8 - INCIDENTALS | |
| 840.14 | Concrete Drop Inlet - 12" thru 30" Pipe |
| 840.16 | Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15 |
| 840.31 | Concrete Junction Box (with Optional Manhole) - 12" thru 66" Pipe |
| 840.51 | Brick Manhole - 12" thru 36" Pipe |
| 840.52 | Precast Manhole 4', 5', and 6' Diameter - 12" thru 48" Pipe |
| 840.53 | Precast Manhole w/ Masonry Base- 12" thru 42" Pipe |
| 840.54 | Manhole Frame and Cover |
| 840.72 | Pipe Collar |
| 846.01 | Concrete Curb, Gutter, and Curb & Gutter |
| 848.01 | Concrete Sidewalk |
| 852.01 | Concrete Islands |
| 876.04 | Drainage Ditches with Class 'B' Rip Rap |
| DIVISION 9 - SIGNING | |
| 904.10 | Orientation of Ground Mounted Signs |
| 904.50 | Mounting of Type 'D', 'E', and 'F' Signs on 'U' Channel Posts |
| DIVISION 11 - WORK ZONE TRAFFIC CONTROL | |
| 1101.02 | Temporary Lane Closures |
| 1101.04 | Temporary Shoulder Closures |
| 1101.11 | Traffic Control Design Tables |
| 1130.01 | Drum |
| 1135.01 | Cones |
| 1150.01 | Flagging Devices |
| 1180.01 | Skinny Drum |
| DIVISION 12 - PAVEMENT MARKINGS, MARKERS, AND DELINEATION | |
| 1205.01 | Pavement Markings - Line Types and Offsets |
| 1205.07 | Pavement Markings - Pedestrian Crosswalks |
| 1205.08 | Pavement Markings - Symbols and Word Messages |
| 1266.01 | Raised Pavement Markers - Tubular Markers |
| DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT | |
| SEE SHEET ##### | |

ADDITIONAL NCDOT STANDARDS NOT ON THE LIST ABOVE MAY BE REQUIRED AS PER PLAN DETAILS AND SPECIFICATIONS.

CITY OF RALEIGH STANDARDS:

- TRANSPORTATION**
- T-10.03 Residential Driveway Installation on Non Curb & Guttered Streets
 - T-10.04 Driveway Grades
 - T-10.05 Asphalt Pavement Patch
 - T-10.26.1 Curb & Gutter
 - T-20.04.1 Detectable Warning Surface Placement
- BICYCLE FACILITIES**
- B-10.05 Shared Lane Signs & Markings

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GENERAL NOTES

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 CHECKED BY GDB
 DRAWN BY xxx
 SCALE NTS
 DATE 03/15/2022

1A

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Computed Property Corner	-----
Property Monument	□
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	WLB
Proposed Wetland Boundary	WLB
Existing Endangered Animal Boundary	EAB
Existing Endangered Plant Boundary	EPB
Existing Historic Property Boundary	HPB
Known Contamination Area: Soil	☠-S-☠
Potential Contamination Area: Soil	☠-S-☠
Known Contamination Area: Water	☠-W-☠
Potential Contamination Area: Water	☠-W-☠
Contaminated Site: Known or Potential	☠☠

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	⊗
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	□
Church	□
Dam	▬

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	JS
Buffer Zone 1	BZ 1
Buffer Zone 2	BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	WLB
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	◇
Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	○
Exist Permanent Easment Pin and Cap	◇
New Permanent Easment Pin and Cap	◇
Vertical Benchmark	⊗
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite RW Marker	-----
New Control of Access Line with Concrete CA Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	-----
New Temporary Construction Easement	-----
New Temporary Drainage Easement	-----
New Permanent Drainage Easement	-----
New Permanent Drainage / Utility Easement	-----
New Permanent Utility Easement	-----
New Temporary Utility Easement	-----
New Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	C
Proposed Slope Stakes Fill	F
Proposed Curb Ramp	CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	CONC
Bridge Wing Wall, Head Wall and End Wall	CONC WW
MINOR:	
Head and End Wall	CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊕
Storm Sewer	S

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	○
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
U/G Power Line LOS B (S.U.E.*)	-----
U/G Power Line LOS C (S.U.E.*)	-----
U/G Power Line LOS D (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊗
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	-----
U/G Telephone Cable LOS C (S.U.E.*)	-----
U/G Telephone Cable LOS D (S.U.E.*)	-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	A/G Water

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	-----
U/G TV Cable LOS C (S.U.E.*)	-----
U/G TV Cable LOS D (S.U.E.*)	-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	-----
U/G Gas Line LOS C (S.U.E.*)	-----
U/G Gas Line LOS D (S.U.E.*)	-----
Above Ground Gas Line	A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	SS
Above Ground Sanitary Sewer	A/G Sanitary Sewer
SS Forced Main Line LOS B (S.U.E.*)	-----
SS Forced Main Line LOS C (S.U.E.*)	-----
SS Forced Main Line LOS D (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	-----
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

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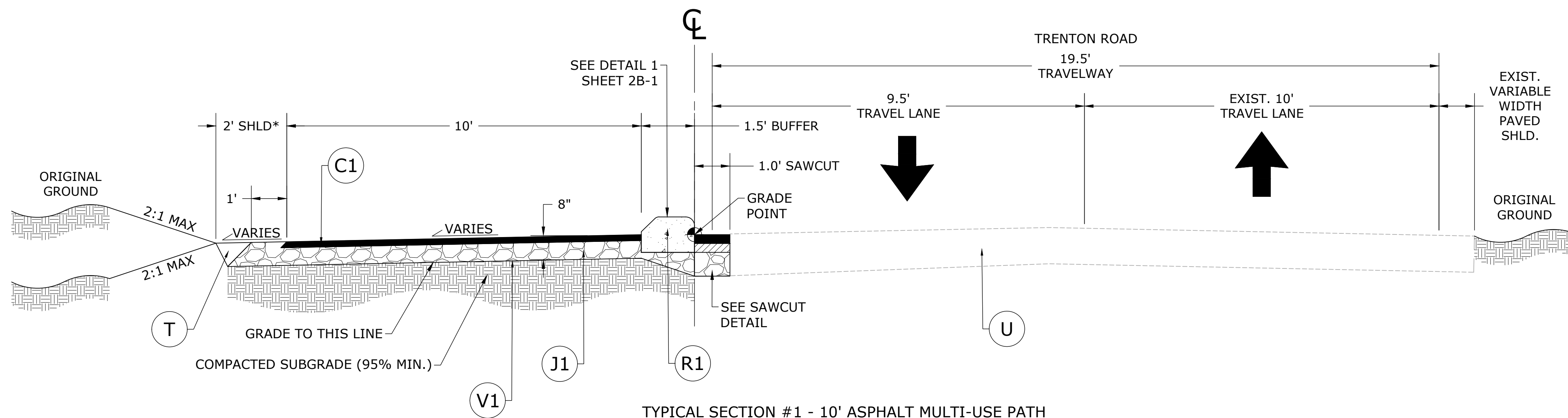
GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR TRENTON PARK LANE TO REEDY CREEK RD CONVENTIONAL SYMBOLS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_D1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE NTS
DATE 03/15/2022

PAVEMENT SCHEDULE

A1	PROPOSED 6" PORTLAND CEMENT CONCRETE PAVEMENT
C1	PROPOSED 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS.PER SQ.YD.
C2	PROPOSED 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 336 LBS.PER SQ.YD.
D1	PROPOSED 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
J1	PROPOSED 6" AGGREGATE BASE COURSE
J2	PROPOSED 8" AGGREGATE BASE COURSE
R1	PROPOSED 6" MONOLITHIC CONCRETE ISLAND
U	EXISTING PAVEMENT
V1	PROPOSED GEOTEXTILE SEPARATOR FABRIC
T	EARTH MATERIAL STRUCTURAL FILL SHOULD BE PLACED IN UNIFORM LIFTS OF 8 INCHES OR LESS (LOOSE MEASURE), AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE AS DEFINED BY THE STANDARD PROCTOR COMPACTION TEST. THE UPPER 12 INCHES OF THE STRUCTURAL FILL PLACED SHOULD BE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. TO CONFIRM THAT THE SPECIFIED DEGREE OF COMPACTION IS OBTAINED, FIELD DENSITY TESTING SHOULD BE PERFORMED IN EACH LIFT BY A SOILS TECHNICIAN. SEE PROJECT GEOTECH REPORT FOR MORE DETAILED INFORMATION

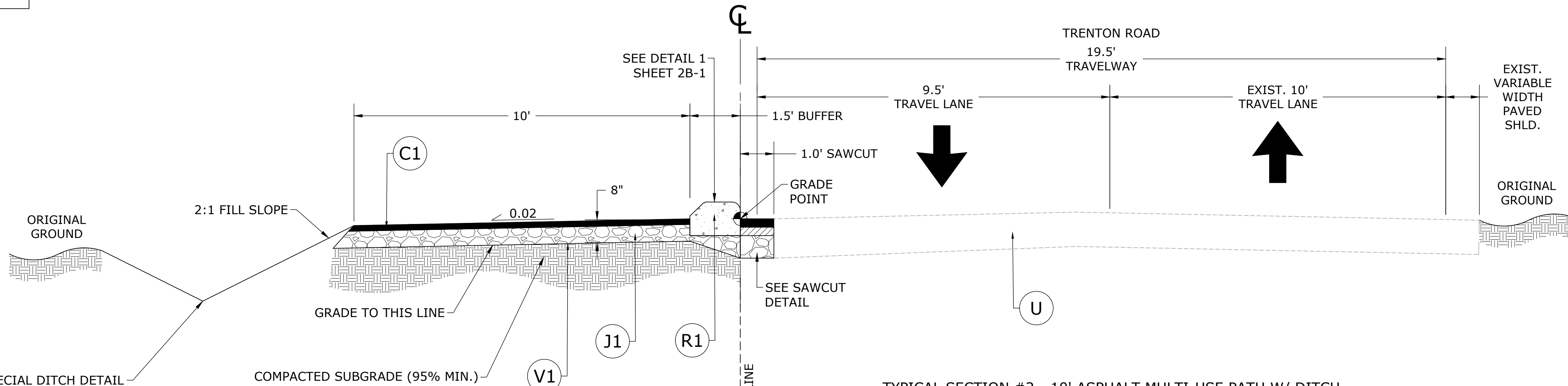


TYPICAL SECTION #1 - 10' ASPHALT MULTI-USE PATH
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L1-	13+66	19+36
-L1-	49+64	50+00
-MUP-INT2-	200+00	200+43

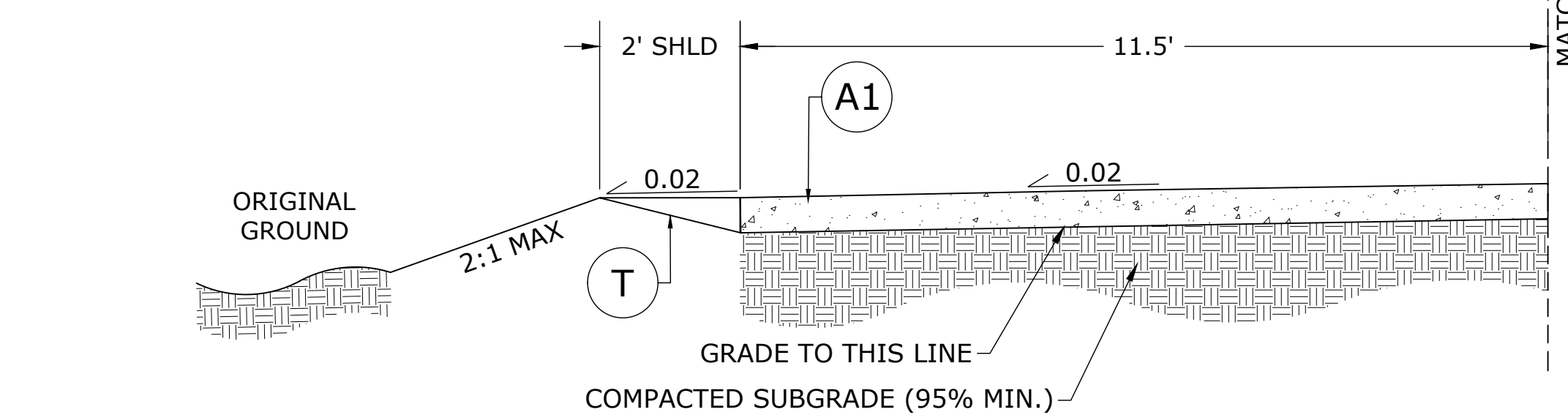
NOTES:

- TRANSITION SUPERELEVATION AS SHOWN ON PLANS. TRANSITION DISTANCE SHALL BE 10' PER 1% CHANGE.
- SHOULDERS TO MATCH CROSS SLOPE OF GREENWAY TRAIL.
- PROVIDE SAFETY RAIL FOR THE FOLLOWING CIRCUMSTANCES:
SLOPE ≥ 3:1 AND DROP OF 6'
SLOPE ≥ 2:1 AND DROP OF 4'
SLOPE ≥ 1:1 AND DROP OF 1'
- CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ALL SLOPES DISTURBED BY CONSTRUCTION.
- *SHOULDERS SHALL BE INCLUDED IN THE SEEDING AND MULCHING.
- PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.



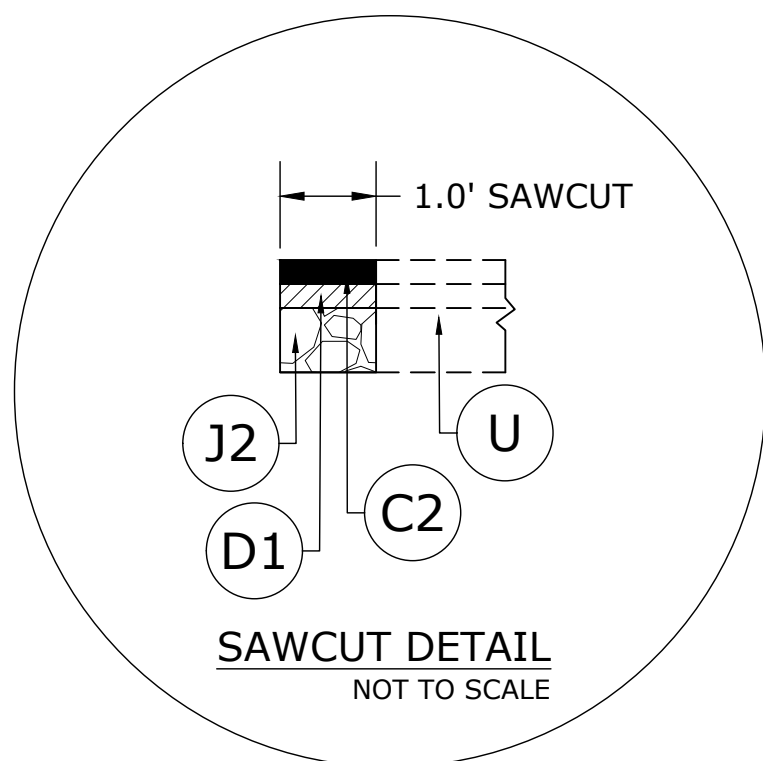
TYPICAL SECTION #2 - 10' ASPHALT MULTI-USE PATH W/ DITCH
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L1-	19+36	21+21
-L1-	21+91	25+18
-L1-	26+40	28+33
-L1-	29+03	30+04
-L1-	30+74	31+90
-L1-	32+66	35+72
-L1-	36+92	43+29
-L1-	44+07	47+81
-L1-	48+51	49+34



TYPICAL SECTION #2A - 10' CONCRETE MULTI-USE PATH W/ PAVED BUFFER
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L1-	25+86	25+90
-L1-	36+22	36+42



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PRELIMINARY NOT FOR CONSTRUCTION

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TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
TYPICAL SECTIONS

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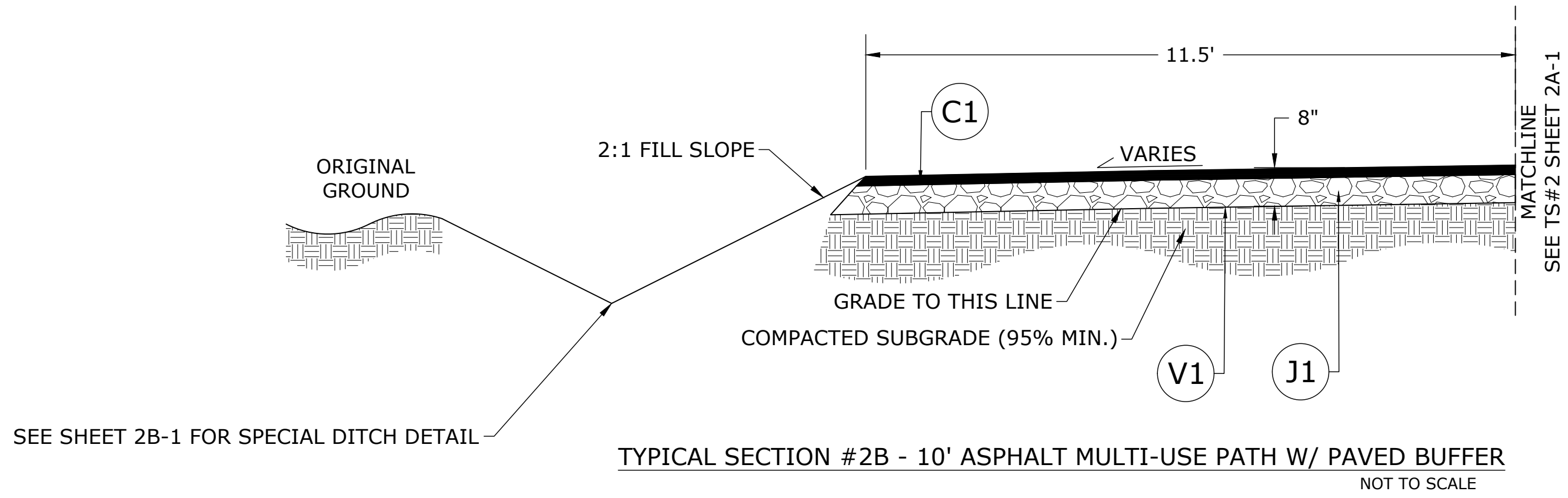
2A-1

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U	EXISTING PAVEMENT
V1	PROPOSED GEOTEXTILE SEPARATOR FABRIC
T	EARTH MATERIAL STRUCTURAL FILL SHOULD BE PLACED IN UNIFORM LIFTS OF 8 INCHES OR LESS (LOOSE MEASURE), AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE AS DEFINED BY THE STANDARD PROCTOR COMPACTION TEST. THE UPPER 12 INCHES OF THE STRUCTURAL FILL PLACED SHOULD BE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. TO CONFIRM THAT THE SPECIFIED DEGREE OF COMPACTION IS OBTAINED, FIELD DENSITY TESTING SHOULD BE PERFORMED IN EACH LIFT BY A SOILS TECHNICIAN. SEE PROJECT GEOTECH REPORT FOR MORE DETAILED INFORMATION

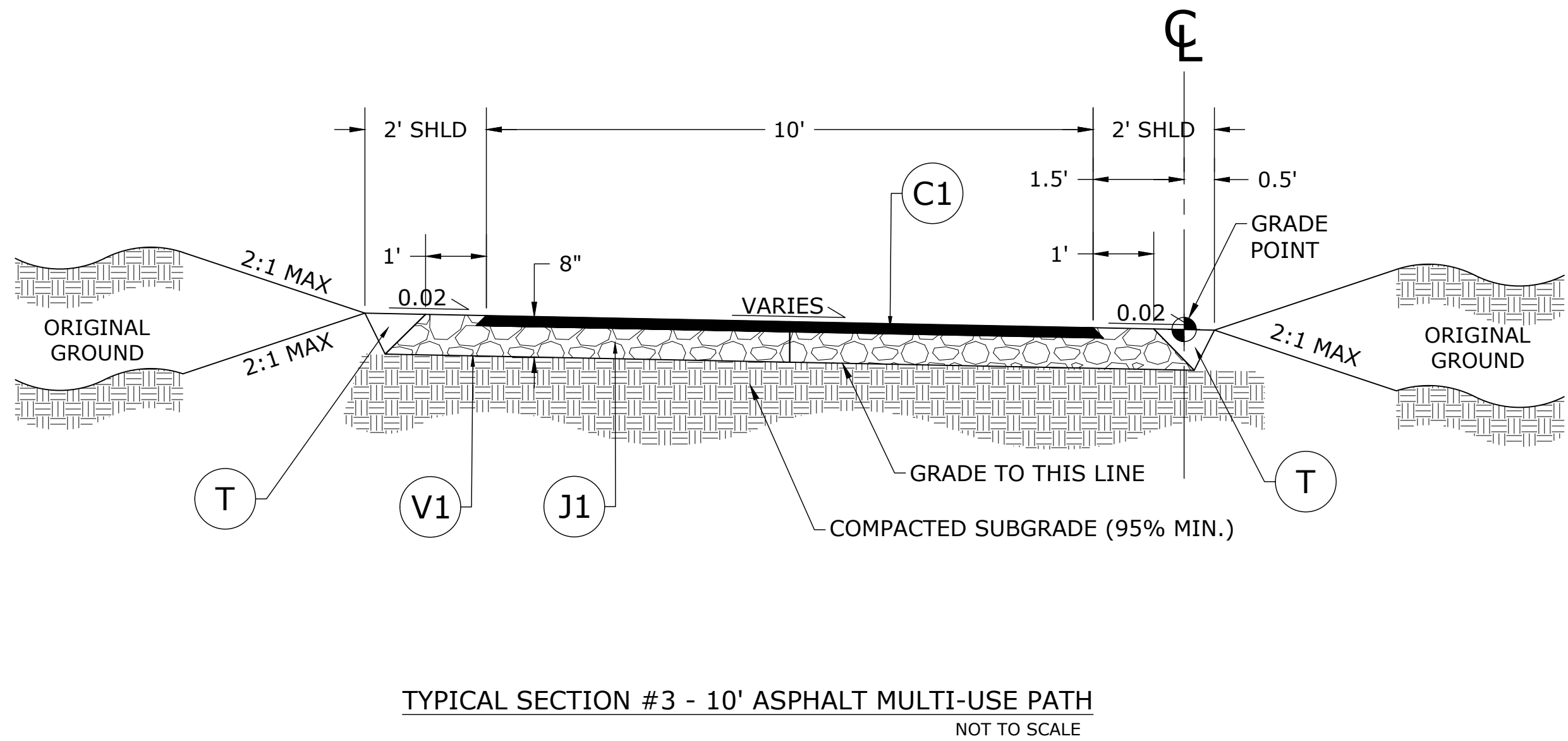
NOTES:

- TRANSITION SUPERELEVATION AS SHOWN ON PLANS. TRANSITION DISTANCE SHALL BE 10' PER 1% CHANGE.
- SHOULDERS TO MATCH CROSS SLOPE OF GREENWAY TRAIL.
- PROVIDE SAFETY RAIL FOR THE FOLLOWING CIRCUMSTANCES:
SLOPE ≥ 3:1 AND DROP OF 6'
SLOPE ≥ 2:1 AND DROP OF 4'
SLOPE ≥ 1:1 AND DROP OF 1'
- CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ALL SLOPES DISTURBED BY CONSTRUCTION.
- *SHOULDERS SHALL BE INCLUDED IN THE SEEDING AND MULCHING.
- PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.



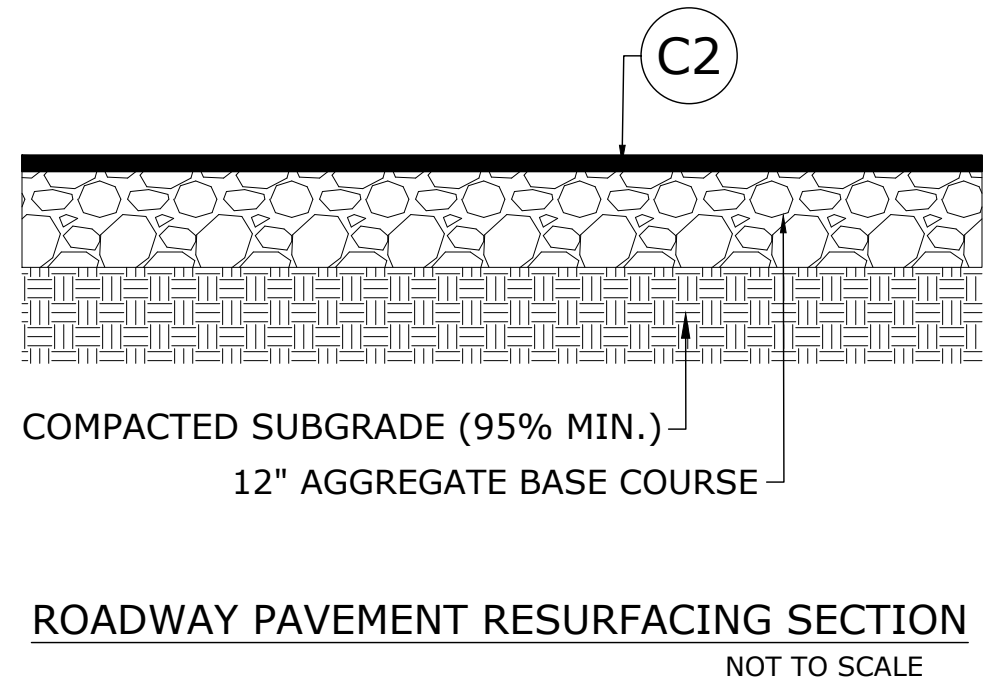
TYPICAL SECTION #2B - 10' ASPHALT MULTI-USE PATH W/ PAVED BUFFER
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-L1-	21+21	21+41
-L1-	21+71	21+91
-L1-	25+18	25+38
-L1-	26+20	26+40
-L1-	28+33	28+53
-L1-	28+83	29+03
-L1-	30+04	30+24
-L1-	30+54	30+74
-L1-	35+72	35+92
-L1-	36+72	36+92
-L1-	47+81	48+01
-L1-	48+31	48+51



TYPICAL SECTION #3 - 10' ASPHALT MULTI-USE PATH
NOT TO SCALE

ALIGNMENT	BEGIN STATION	END STATION
-MUP-INT2-	200+43	200+65



ROADWAY PAVEMENT RESURFACING SECTION
NOT TO SCALE

- NOTE:**
- SECTION TO BE USED FOR RESURFACING LOCATIONS AT TRINITY FARMS ROAD AND TRENTON WOODS WAY. SEE PLANS.

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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DAVID BENDER, PROJECT MANAGER

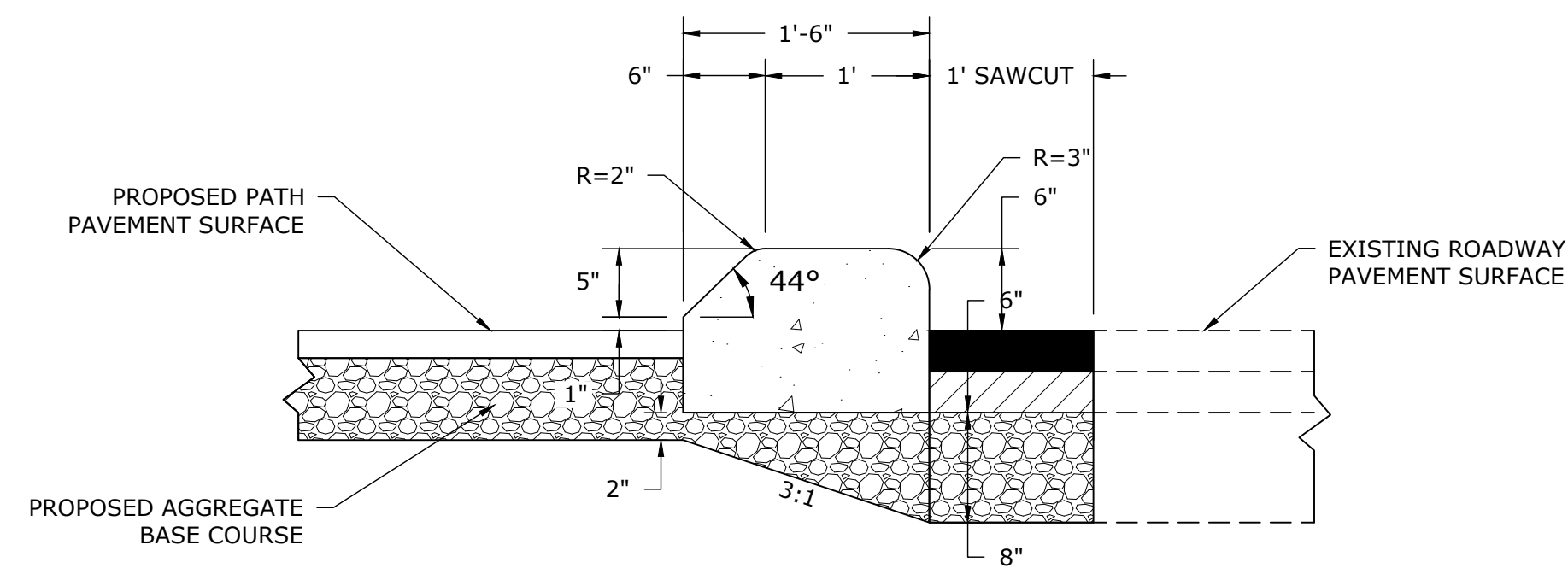
REVISIONS
NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

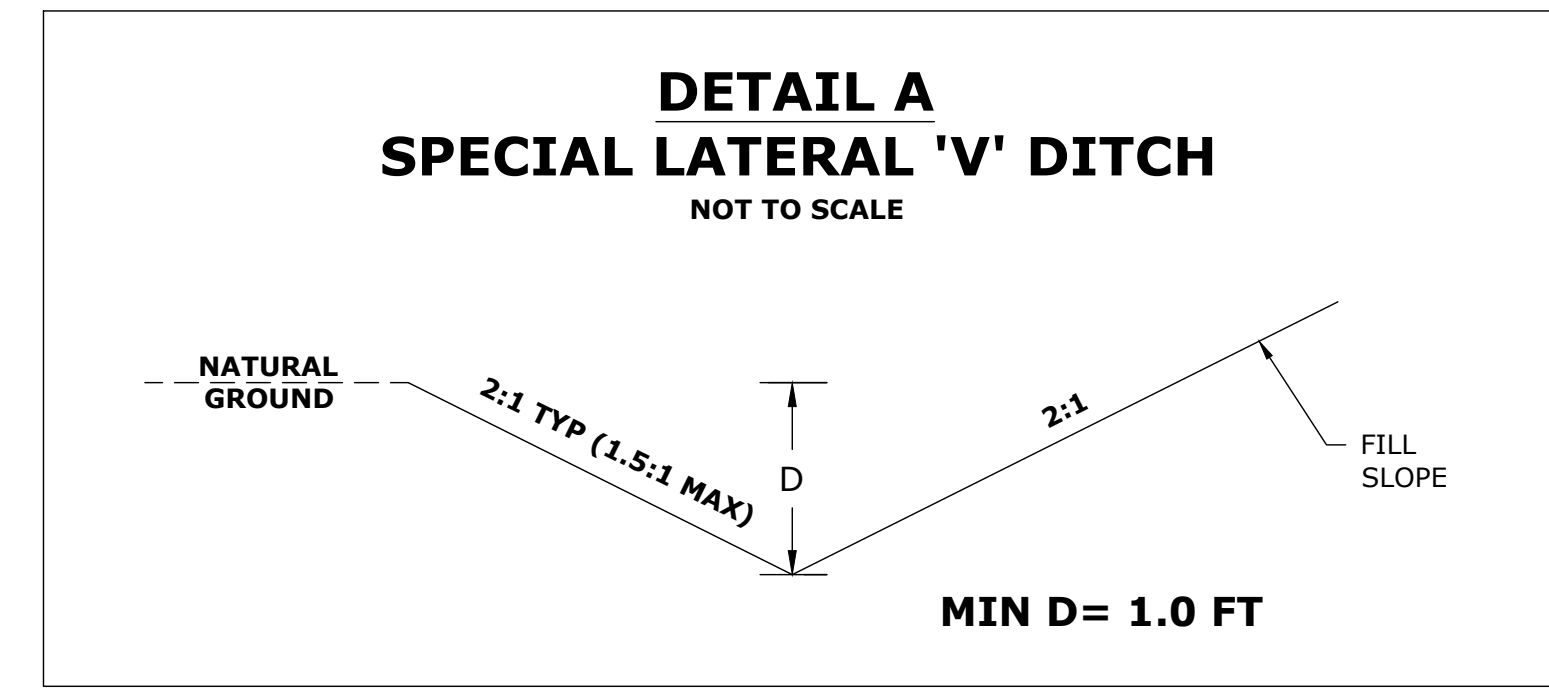
TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
TYPICAL SECTIONS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_D2.dwg
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DATE 03/15/2022

2A-2



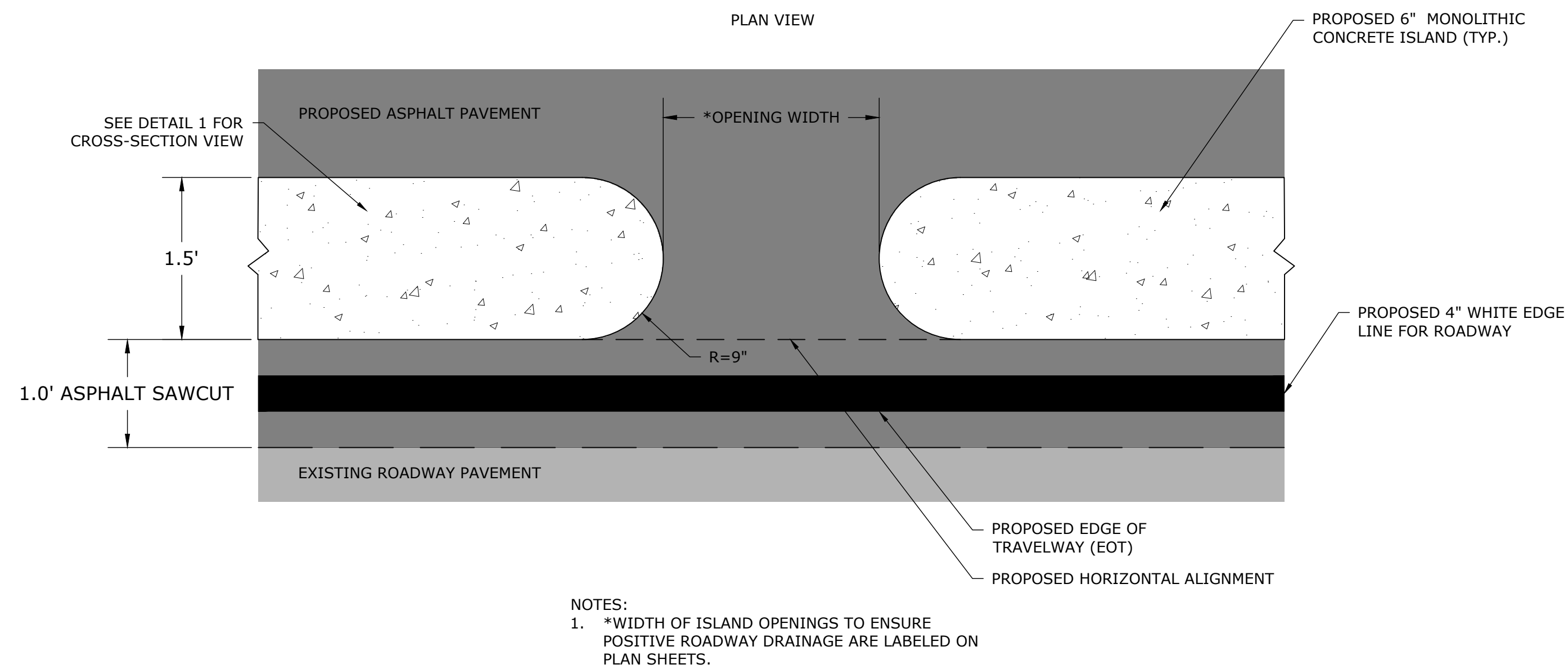
01 6" MONOLITHIC CONCRETE ISLAND
SCALE: NTS



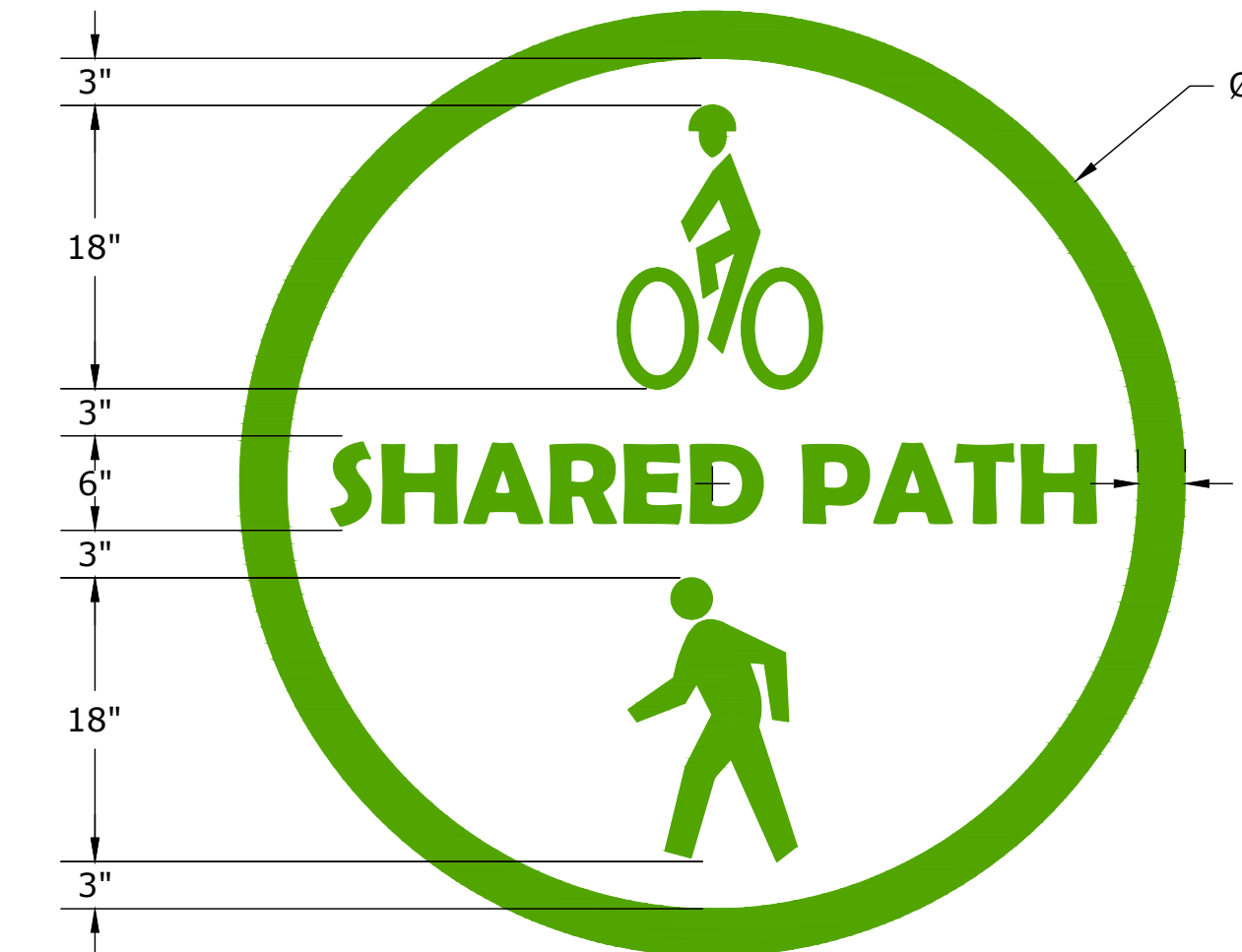
- NOTES:
1. ALL PROPOSED DITCHES ARE ALONG LEFT SIDE OF -L1- ALIGNMENT.
 2. DITCH STATION RANGES SHOWN ARE NOT BROKEN ACROSS PROPOSED DRIVEWAY PIPE SEGMENTS AND ARE NUMBERED TO REFLECT SHARED DRAINAGE DIRECTION/PATTERNS.
 3. ALL DITCH SIDE SLOPES SHALL REMAIN WITHIN THE EXISTING RIGHT-OF-WAY.
 4. SEE PLANS FOR COIR FIBER MATTING LOCATIONS. DITCH SLOPES SHALL BE ARMORED WHEN SIDE SLOPES ARE STEEPER THAN 2:1 OR LONGITUDINAL SLOPE EXCEEDS 4.0%. FURTHER DETAIL TO BE INCLUDED IN FUTURE SUBMITTAL.
 5. REFER TO CROSS SECTIONS FOR ADDITIONAL DITCH INFORMATION.

DITCH	ALIGNMENT	BEGIN STATION	END STATION
1	-L1-	19+36	21+00
2	-L1-	21+00	22+98
3	-L1-	22+98	33+45
4	-L1-	33+45	45+24
5	-L1-	45+24	47+30
6	-L1-	47+30	49+27

02 SPECIAL DITCH DETAIL
SCALE: NTS



03 MONOLITHIC ISLAND BREAK/OPENING
SCALE: NTS



04 SHARED-USE PATH PAVEMENT MARKING SYMBOL
SCALE: NTS

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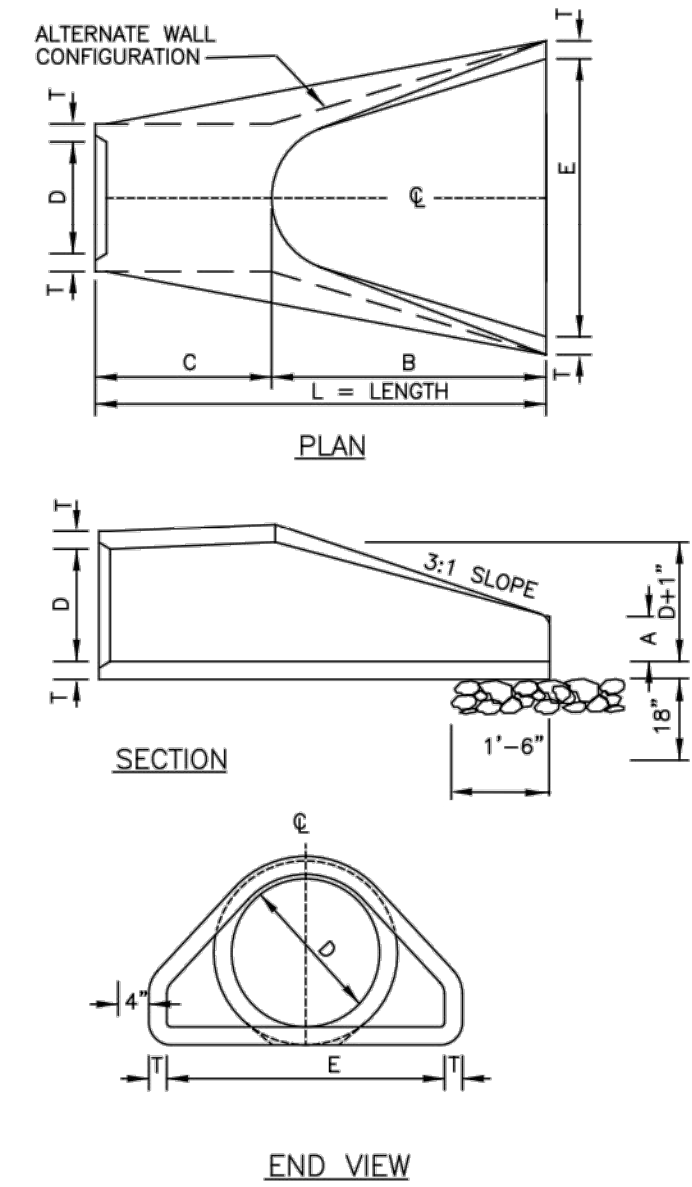
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NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
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PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
DETAILS

PLAN INFORMATION
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SCALE NTS
DATE 03/15/2022

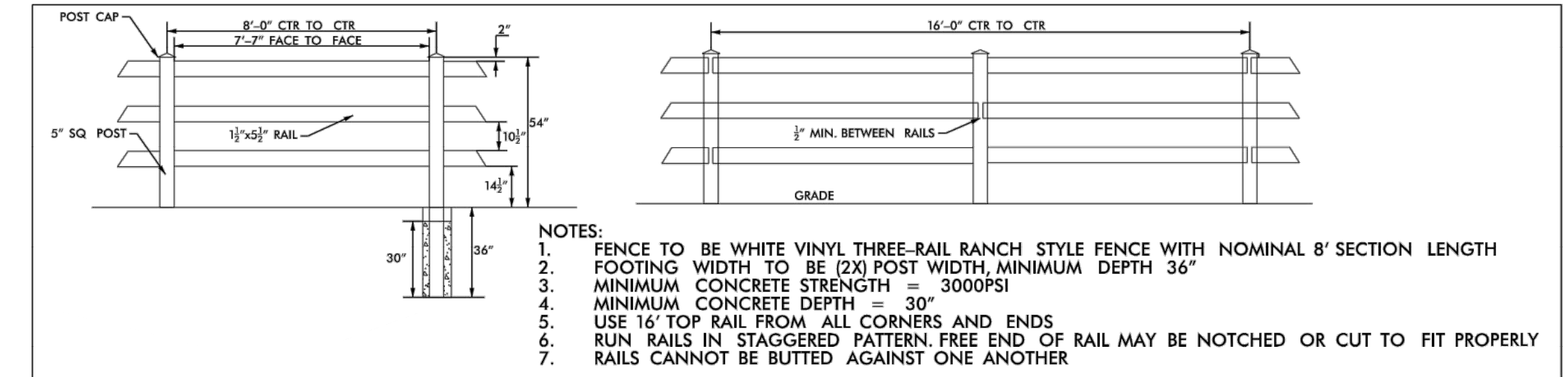
2B-1



D	T	A	B	C	E	L	WT.
12"	2-1/4"	4"	2'-0"	4'-1"	2'-0"	6'-1"	730
15"	2-1/4"	6"	2'-3"	3'-10"	2'-0"	6'-1"	730
18"	2-1/2"	9"	2'-3"	3'-10"	3'-0"	6'-1"	1190
24"	3"	10"	3'-8"	2'-6"	4'-0"	6'-2"	1770
30"	3-1/2"	1'-0"	4'-6"	1'-8"	5'-0"	6'-2"	2380
36"	4"	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"	5320
42"	4-1/2"	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"	9920
48"	5"	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"	7470
54"	5-1/2"	2'-3"	5'-6"	2'-10"	7'-6"	8'-4"	8810
60"	6"	2'-6"	5'-0"	3'-3"	8'-0"	8'-3"	11180
66"	6-1/2"	3'-0"	6'-0"	2'-3"	8'-6"	8'-3"	12630
72"	7"	3'-0"	6'-6"	1'-9"	9'-0"	8'-3"	13980

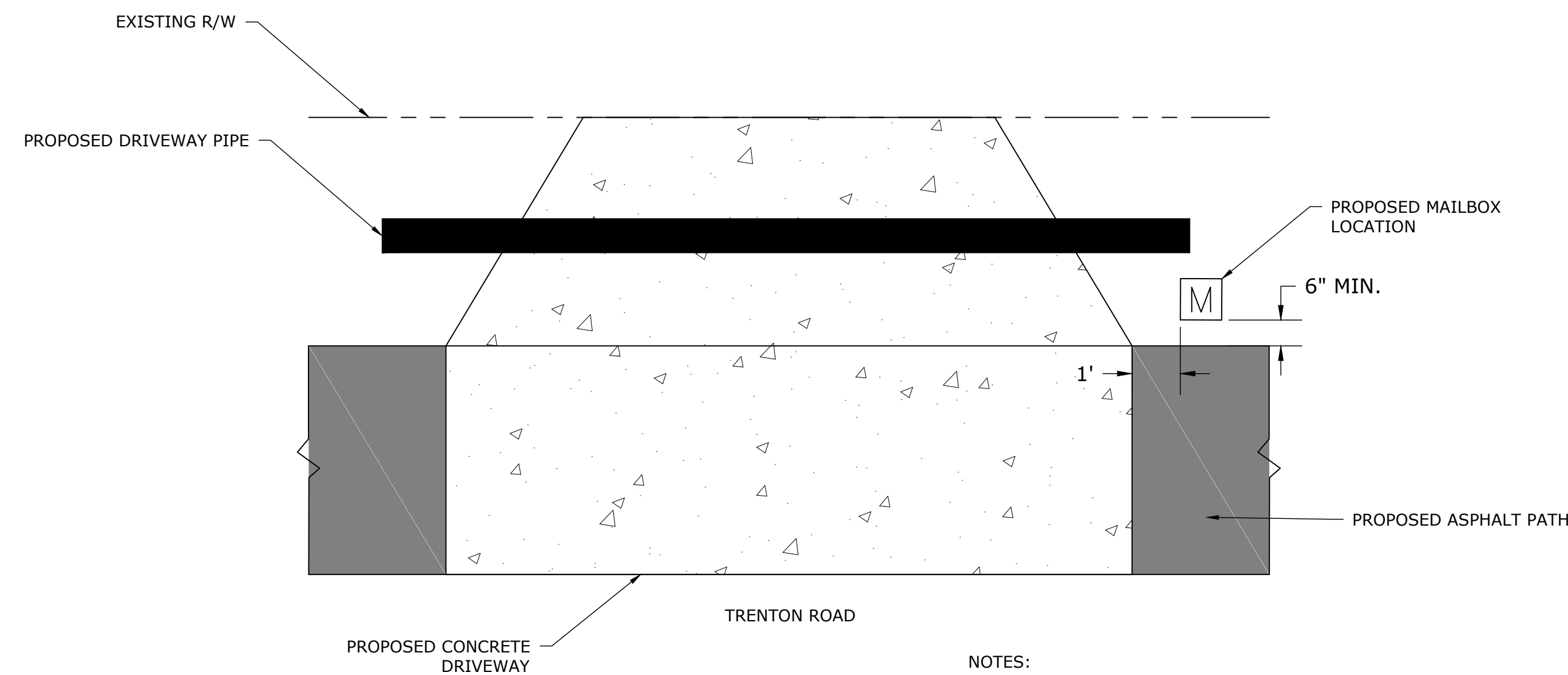
GENERAL NOTES:

- SEE FORMER NCDOT STANDARD 310.01 FOR DETAILS.
- REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M170, TABLE 2, WALL B.
- ALL CONCRETE TO BE 3600 P.S.I COMPRESSIVE STRENGTH.
- PROVIDE TONGUE OR SPIGOT JOINT AT INLET END SECTION.
- PROVIDE GROOVE OR BELL JOINT AT OUTLET END SECTION.
- THE DIMENSIONS FOR END SECTIONS SHALL SUBSTANTIALLY AGREE WITH THE TABLE. MINOR VARIATIONS WILL BE PERMITTED BASED ON THE MANUFACTURER'S STANDARD FORMS AND TEMPLATES.



01 FLARED END SECTION
SCALE: NTS

02 WHITE VINYL FENCE
SCALE: NTS



NOTES:

- NUMBER OF MAILBOX RELOCATIONS AND MAILBOX TYPE MAY VARY FOR EACH PRIVATE DRIVEWAY
- FINISHED MAILBOX HEIGHT ABOVE PAVEMENT SHALL RANGE FROM 41" TO 45"

03 MAILBOX RELOCATION/PLACEMENT AT DRIVEWAYS
SCALE: NTS

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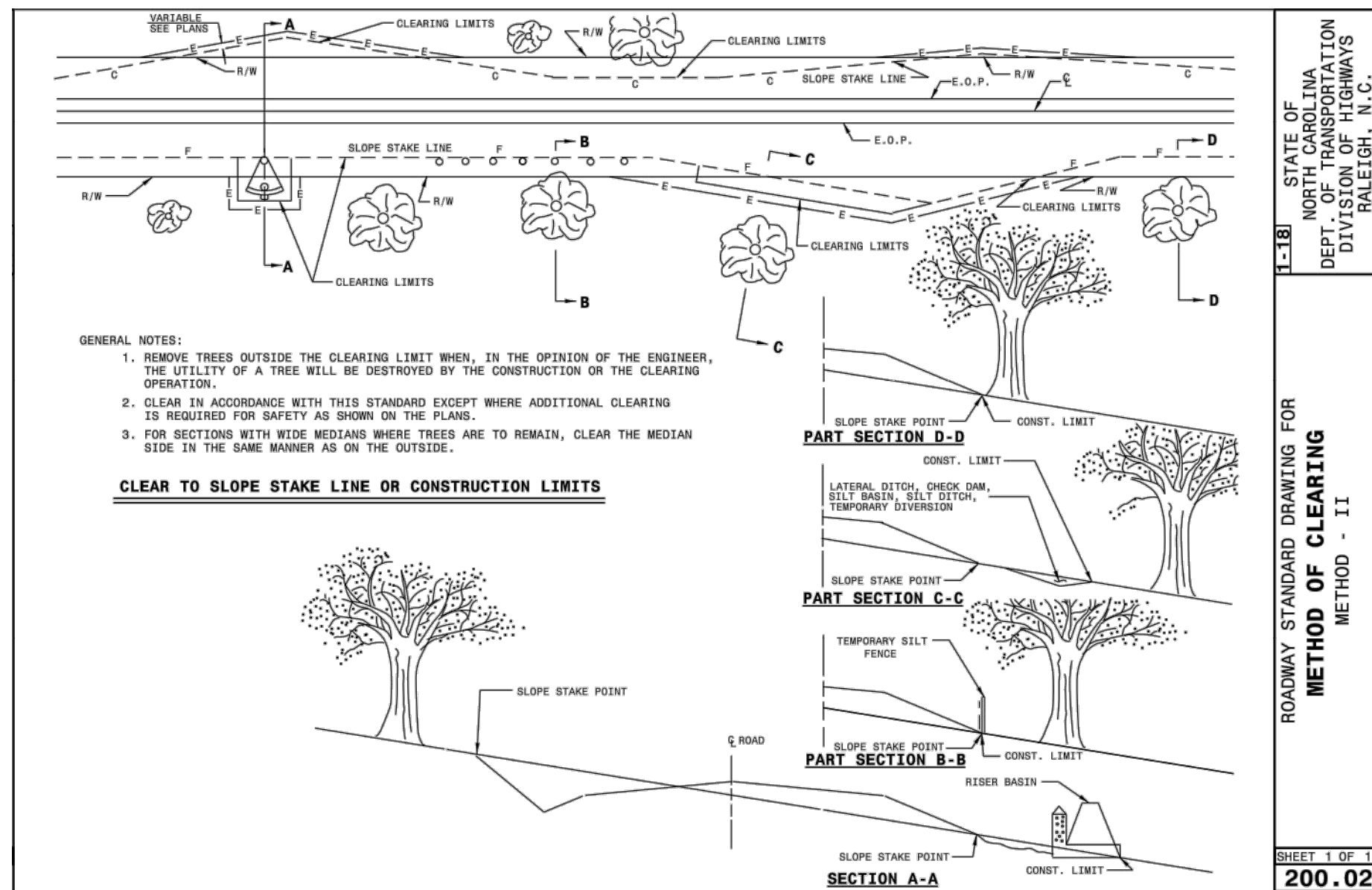
GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION
PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
DETAILS

PLAN INFORMATION
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FILENAME 2020110233_D2.dwg
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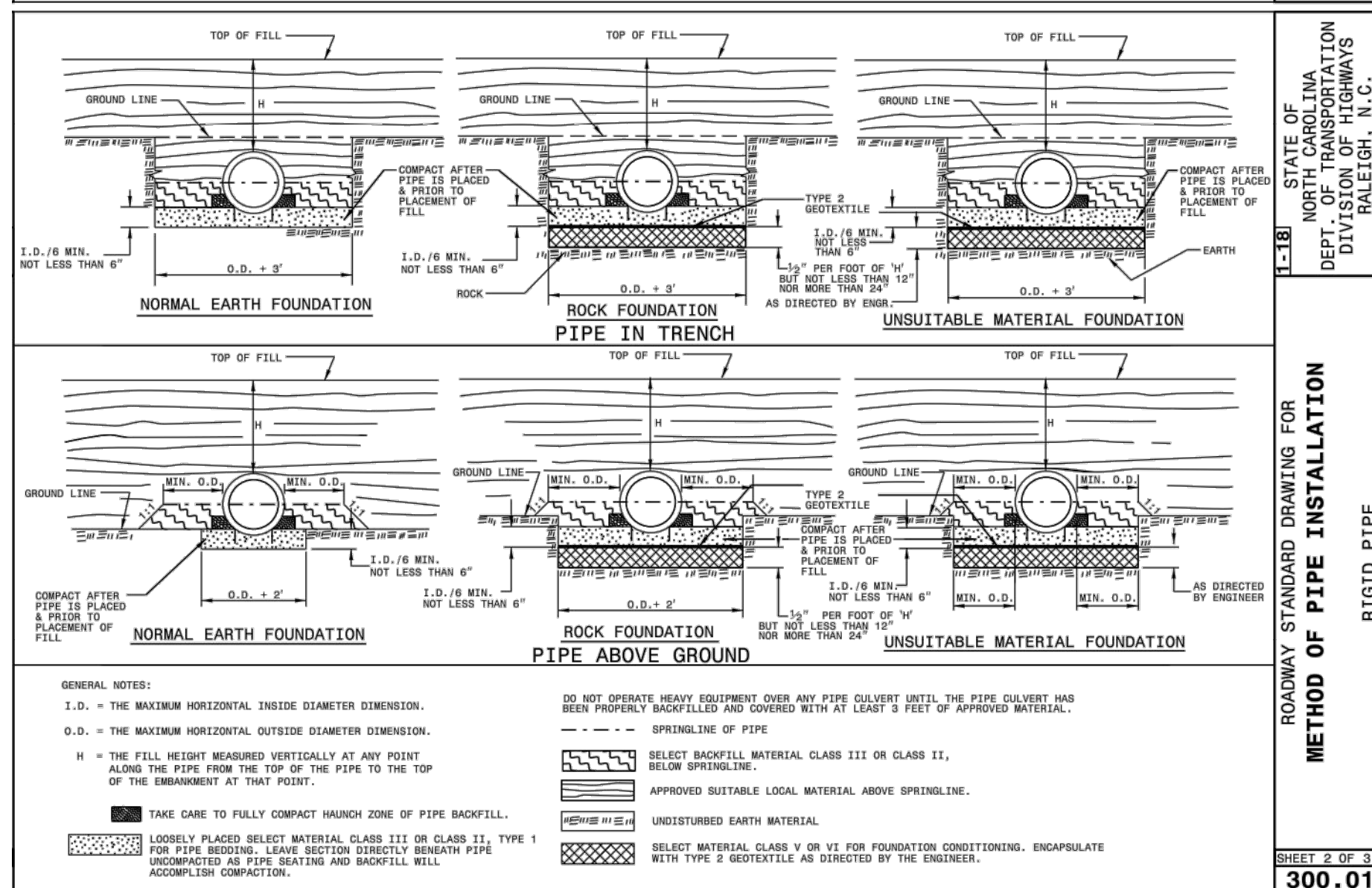
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ROADWAY STANDARD DRAWING FOR
METHOD OF CLEARING
 METHOD - II

SHEET 1 OF 1
200.02



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ROADWAY STANDARD DRAWING FOR
METHOD OF PIPE INSTALLATION
 RIGID PIPE

SHEET 2 OF 3
300.01

FLEXIBLE PIPE

Round Corrugated Steel Pipe 2 2/3 x 1/2 corrugation **					
Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)			
		16	14	12	10
12	12	204	256		
15	12	162	204		
18	12	135	169	239	
21	12	115	145	204	
24	12	100	126	178	
30	12	79	100	142	
36	12	65	83	117	182
42	12	55	70	100	130
48	12	48	61	87	113
54	12	44	54	77	100
60	12	40	50	70	91
66	12	37	47	65	81
72	12	35	45	62	74
78	12	33	43	59	69
84	12	32	42	58	66

Round Corrugated Aluminum Pipe 2 2/3 x 1/2 corrugation **					
Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)			
		16	14	12	10
12	12	123	155	216	281
15	12	98	123	174	224
18	12	81	102	144	187
21	12	69	87	123	160
24	12	60	76	108	139
27	12	53	67	95	123
30	12	48	60	85	111
36	12	40	50	71	92
42	12	35	45	62	78
48	12	32	42	57	68
54	12	30	40	54	62
60	12	28	38	51	57
66	12	27	37	49	54
72	12	26	36	48	51

** FOR DIFFERENT CORRUGATIONS AND ARCH PIPES REFER TO ROADWAY DESIGN MANUAL OR MANUFACTURERS SPECIFICATION.

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS
 CSP - AASHTO M36
 CAP - AASHTO M186
 HDPE - AASHTO M254
 PVC - ASTM F849 OR AASHTO M304

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
 1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

RIGID PIPE

RCP - * (Minimum fill) 1' for Class IV & Class V
 2' for Class III & Class II
 * (Maximum fill) 10' - Class II pipe
 17' - Class III pipe
 30' - Class IV pipe
 40' - Class V pipe
 (For fills > 40' & < 80' use LRFD Direct Design Method)

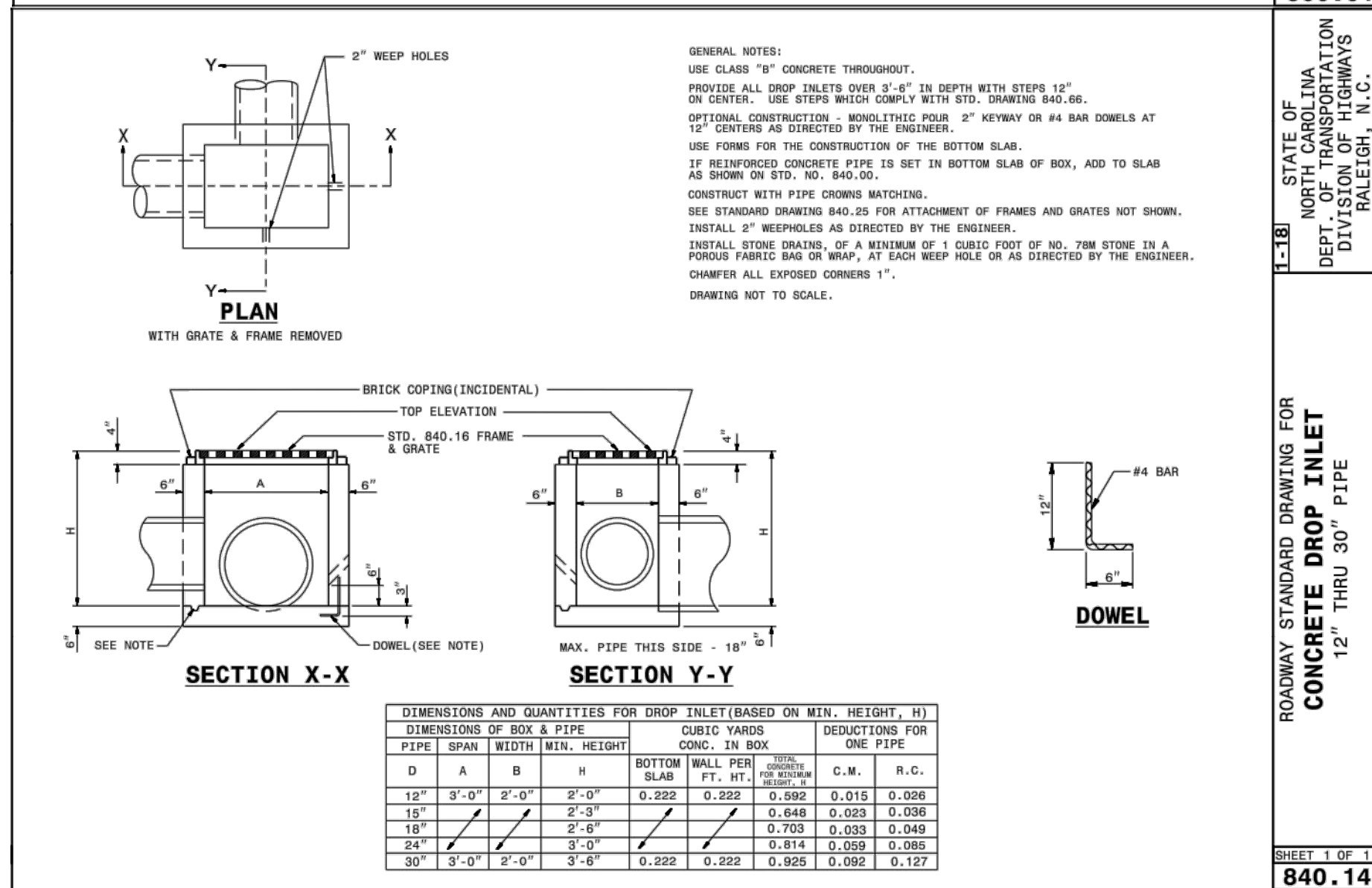
REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS
 RCP - AASHTO M170

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
 1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

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ROADWAY STANDARD DRAWING FOR
METHOD OF PIPE INSTALLATION
 FILL HEIGHT TABLES

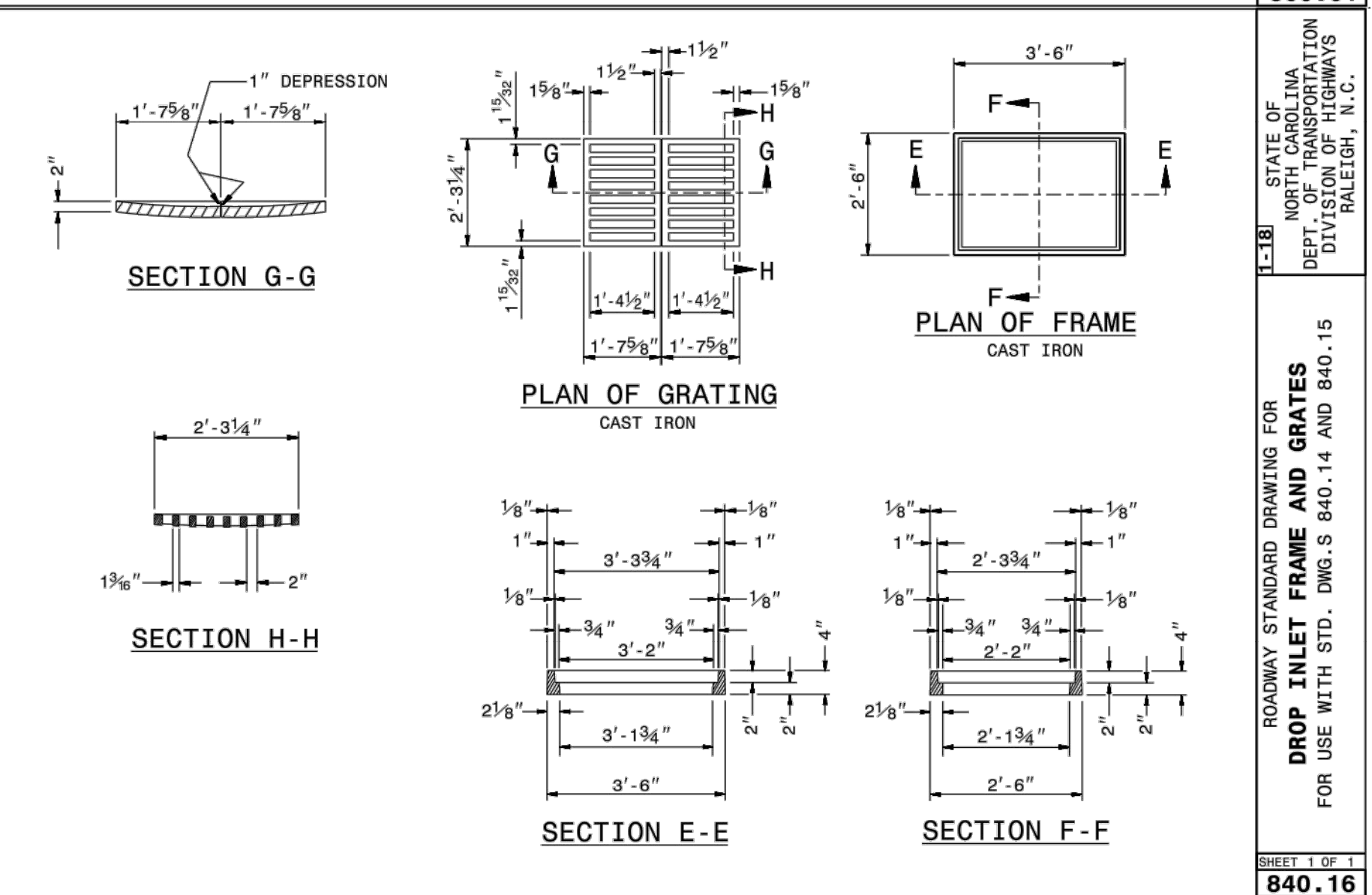
SHEET 3 OF 3
300.01



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ROADWAY STANDARD DRAWING FOR
CONCRETE DROP INLET
 12" THRU 30" PIPE

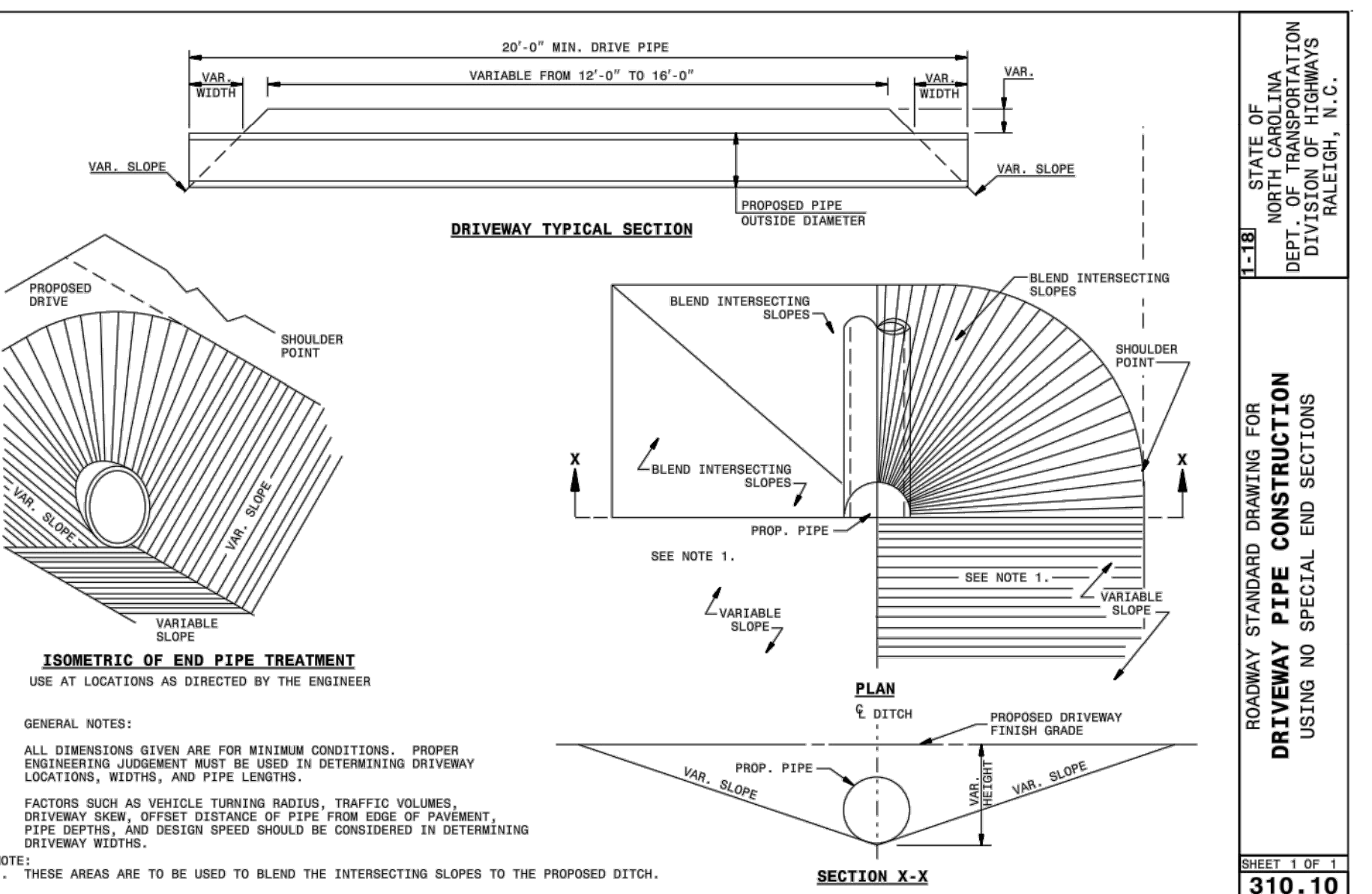
SHEET 1 OF 1
840.14



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ROADWAY STANDARD DRAWING FOR
DROP INLET FRAME AND GRATES
 FOR USE WITH STD. DWG.S 840.14 AND 840.15

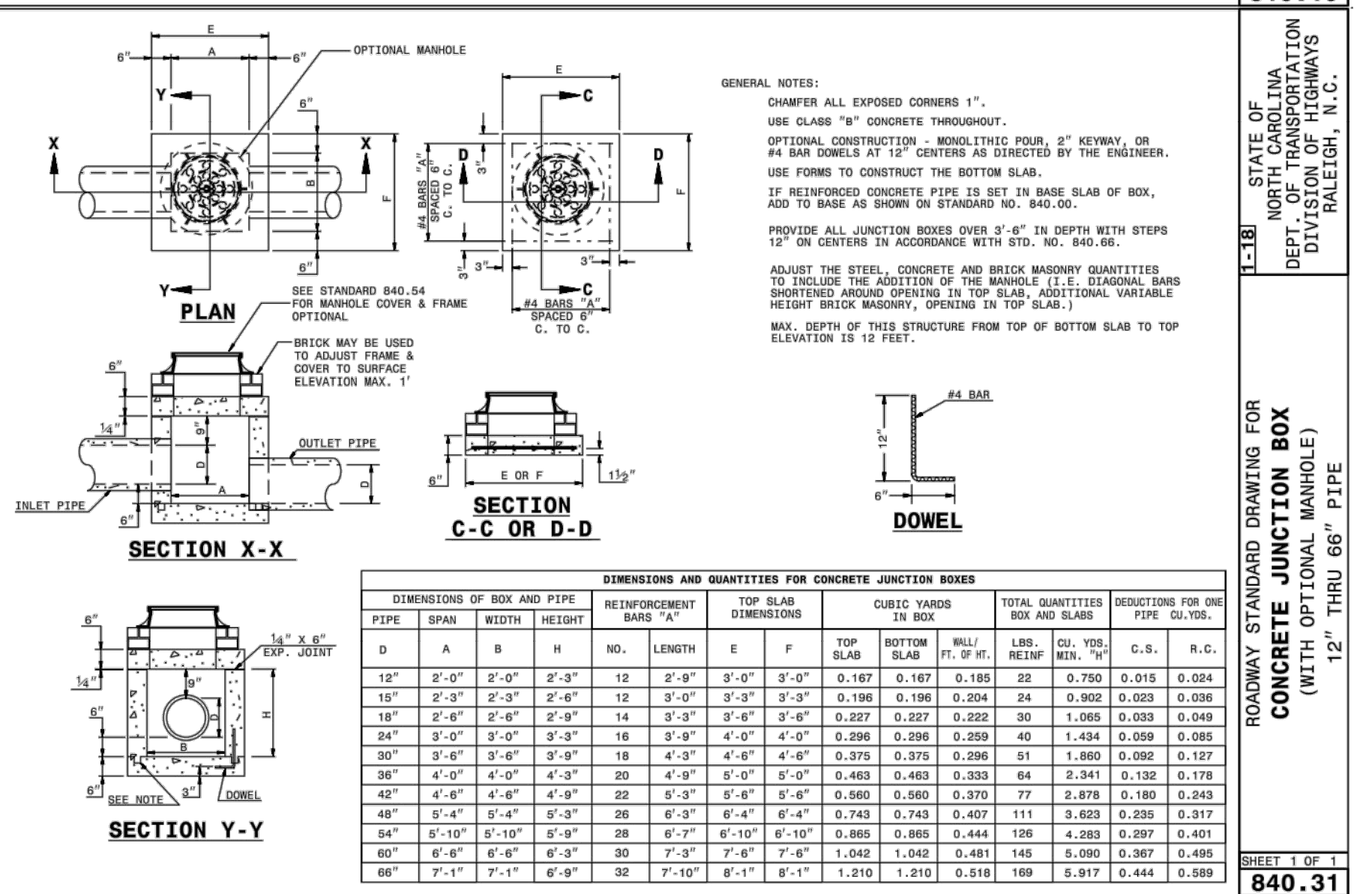
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840.16



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ROADWAY STANDARD DRAWING FOR
DRIVEWAY PIPE CONSTRUCTION
 USING NO SPECIAL END SECTIONS

SHEET 1 OF 1
310.10



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ROADWAY STANDARD DRAWING FOR
CONCRETE JUNCTION BOX
 (WITH OPTIONAL MANHOLE)
 12" THRU 66" PIPE

SHEET 1 OF 1
840.31

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TRENTON ROAD CONNECTOR
 TRENTON PARK LANE TO REEDY CREEK RD

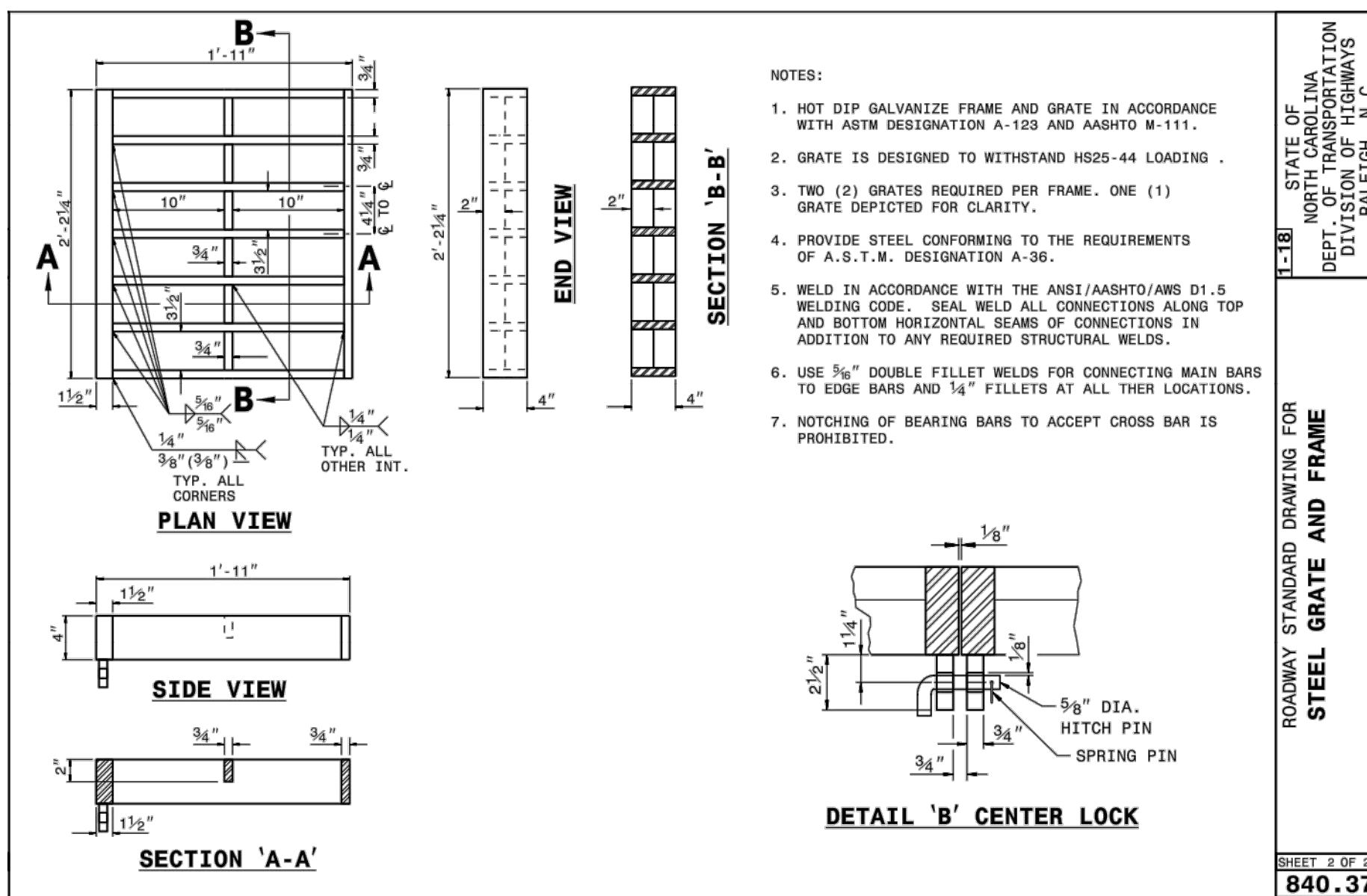
DETAILS

PLAN INFORMATION

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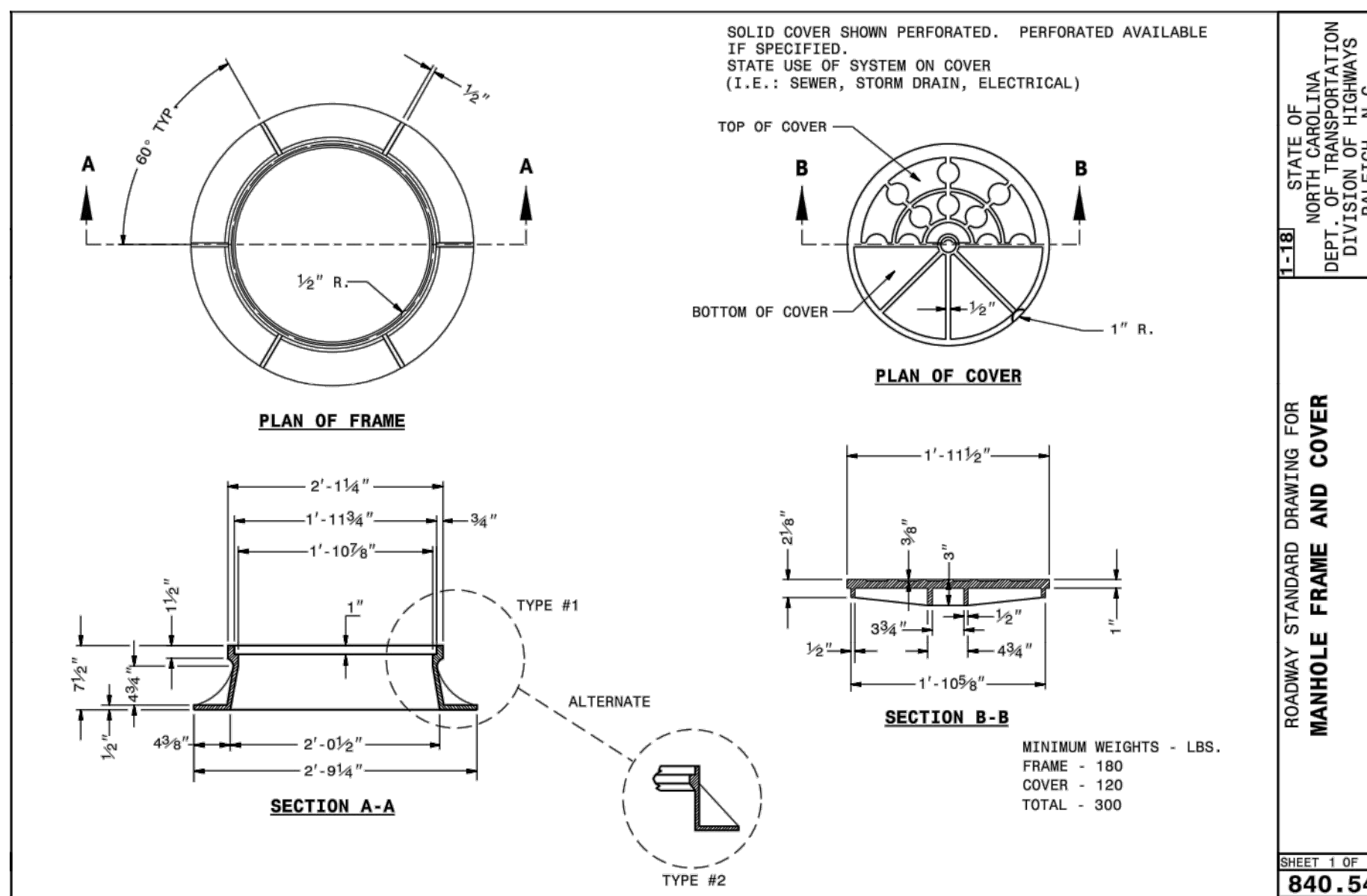
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ROADWAY STANDARD DRAWING FOR
STEEL GRATE AND FRAME

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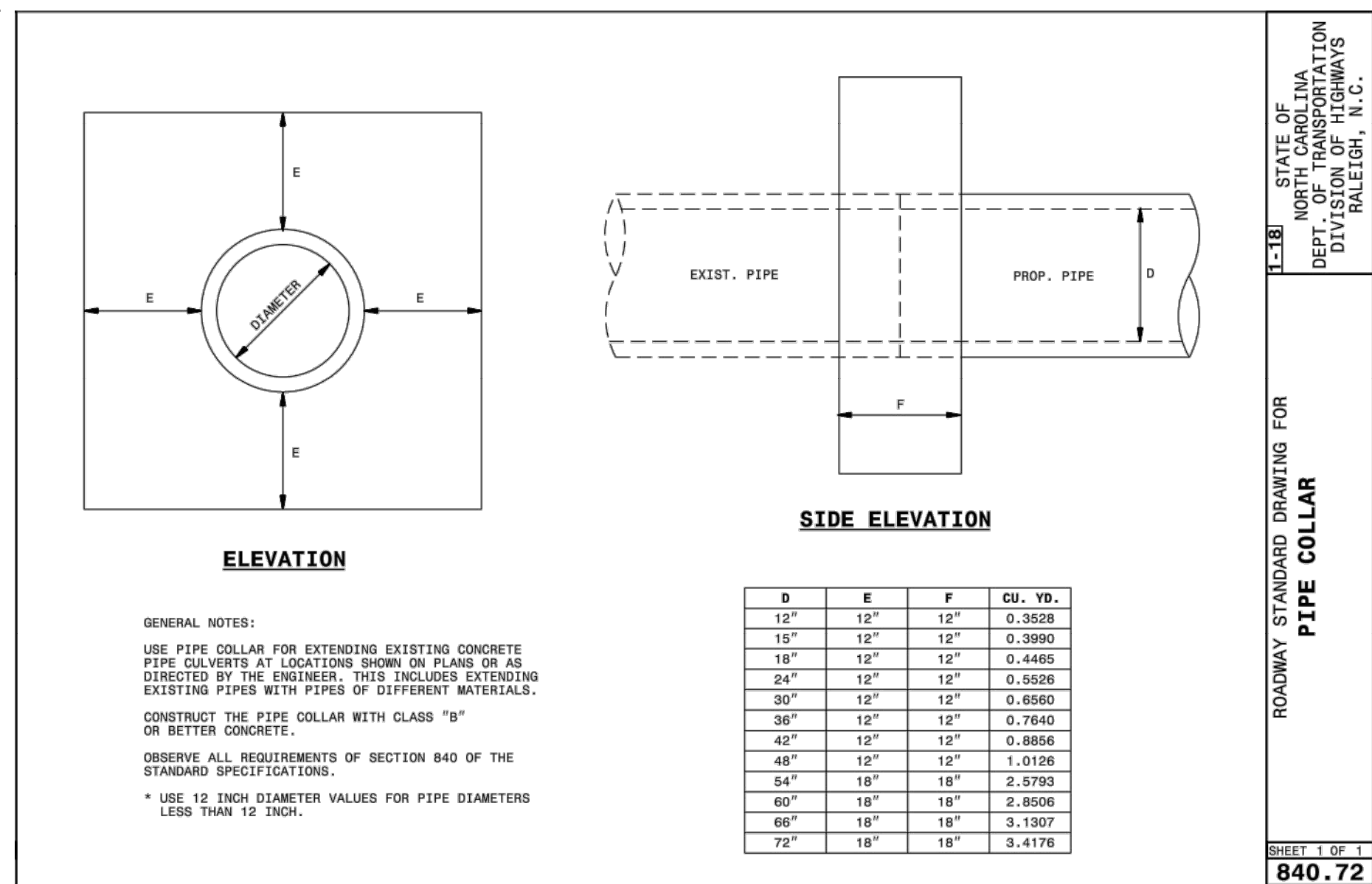
SHEET 2 OF 2
840.37



ROADWAY STANDARD DRAWING FOR
MANHOLE FRAME AND COVER

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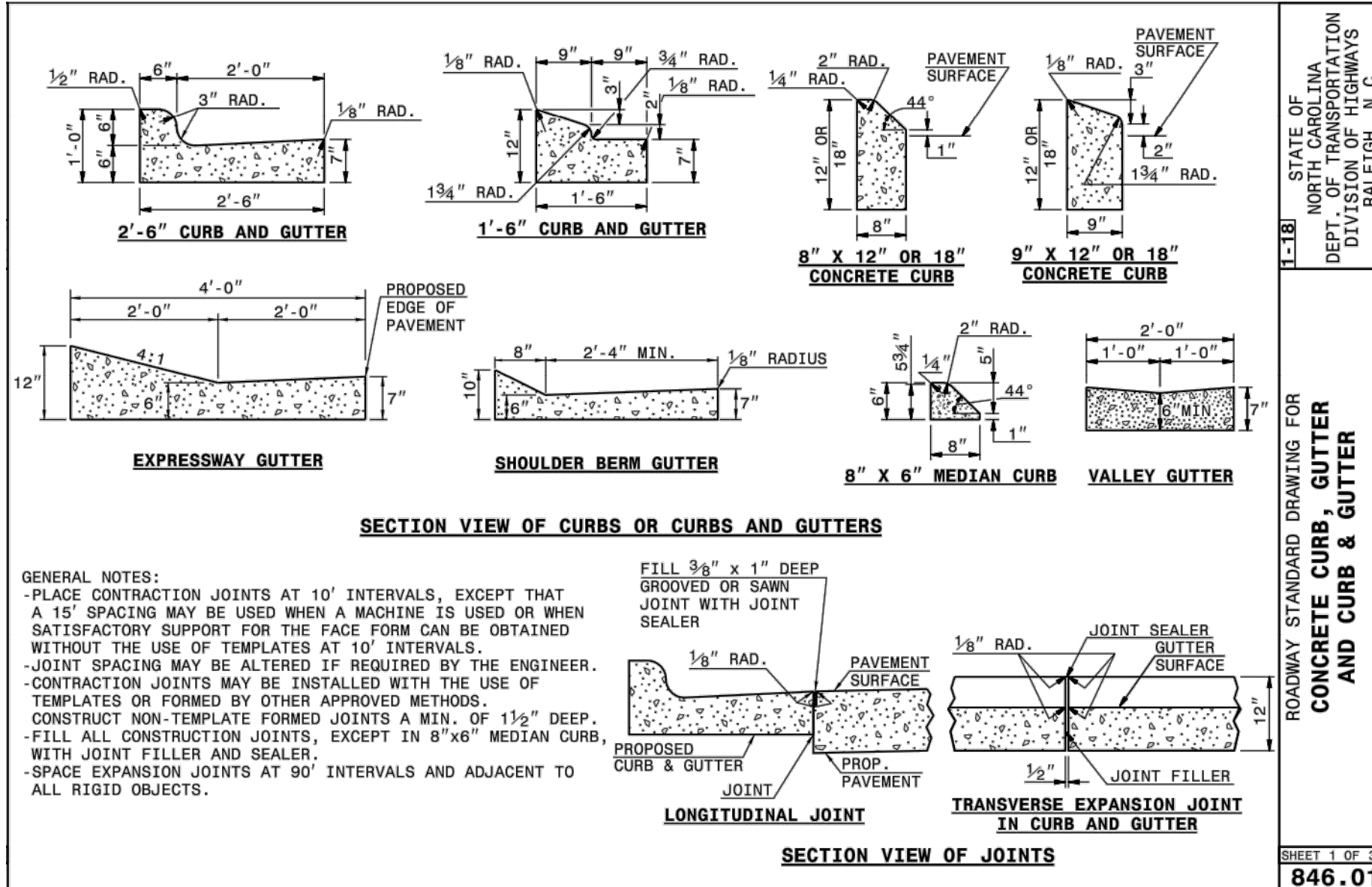
SHEET 1 OF 1
840.54



ROADWAY STANDARD DRAWING FOR
PIPE COLLAR

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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

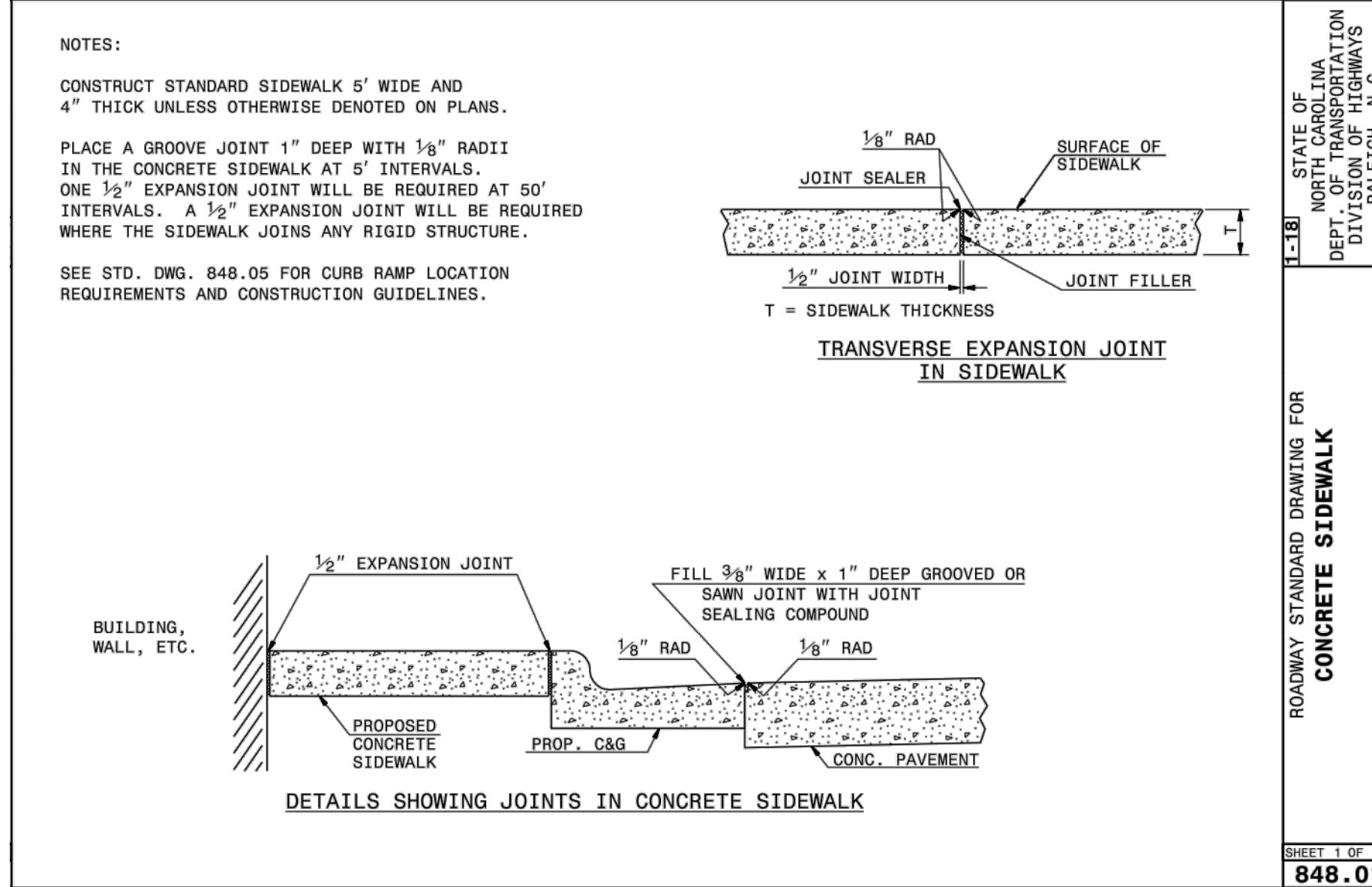
SHEET 1 OF 1
840.72



ROADWAY STANDARD DRAWING FOR
CONCRETE CURB, GUTTER AND GUTTER

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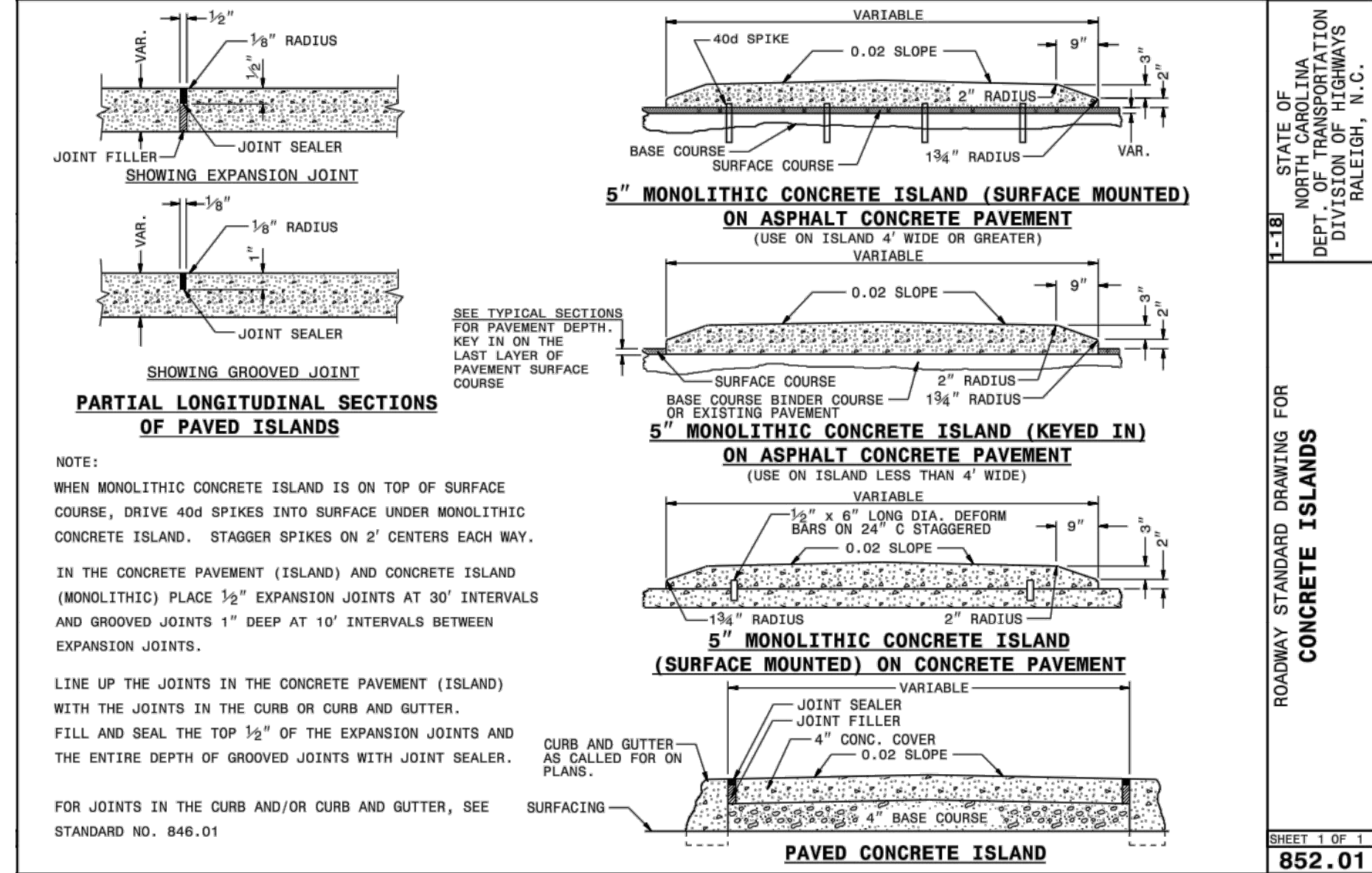
SHEET 1 OF 3
846.01



ROADWAY STANDARD DRAWING FOR
CONCRETE SIDEWALK

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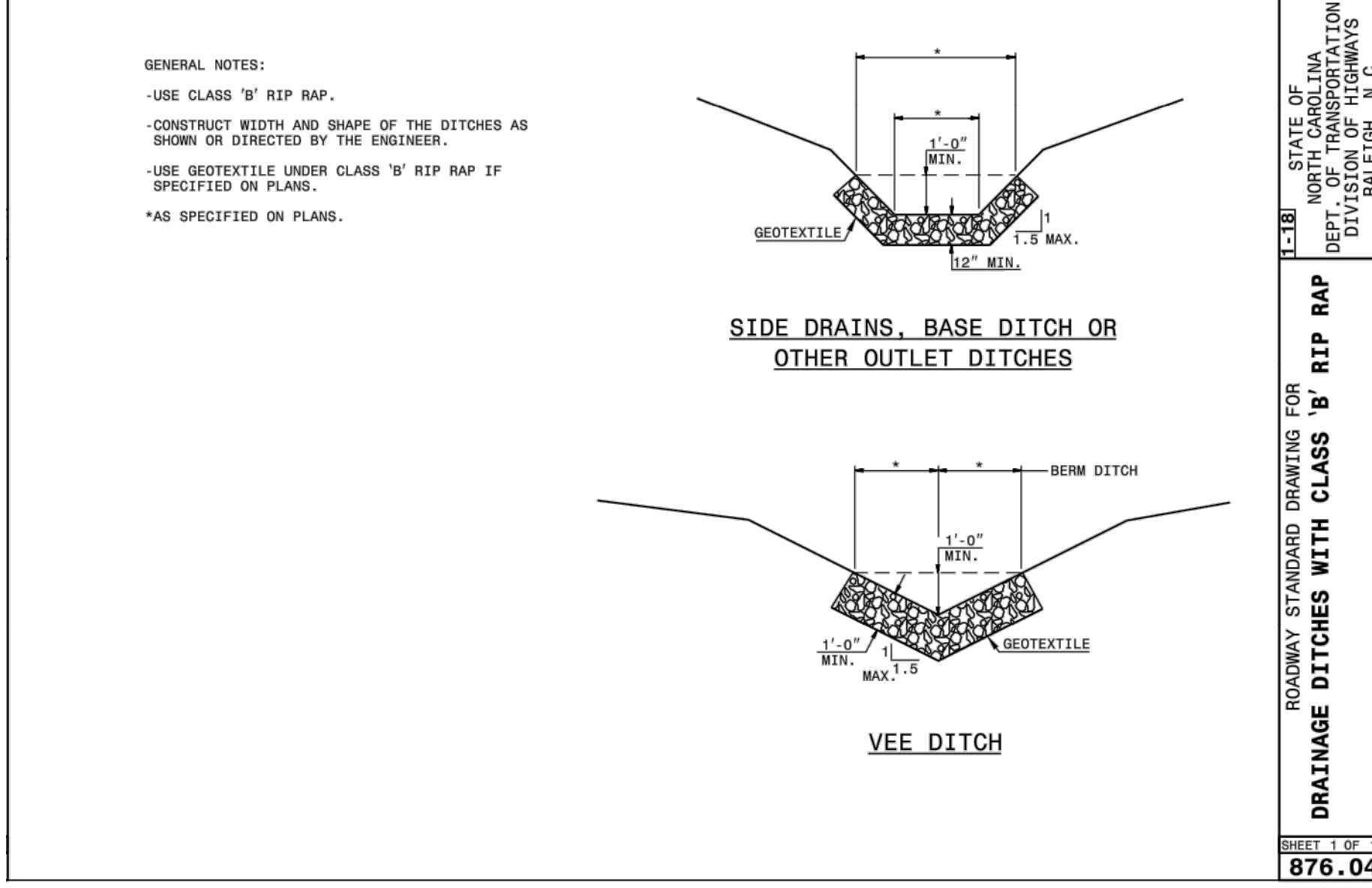
SHEET 1 OF 1
848.01



ROADWAY STANDARD DRAWING FOR
CONCRETE ISLANDS

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RALEIGH, N.C.

SHEET 1 OF 1
852.01



ROADWAY STANDARD DRAWING FOR
DRAINAGE DITCHES WITH CLASS "B" RIP RAP

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SHEET 1 OF 1
876.04

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REVISIONS

NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

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TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD

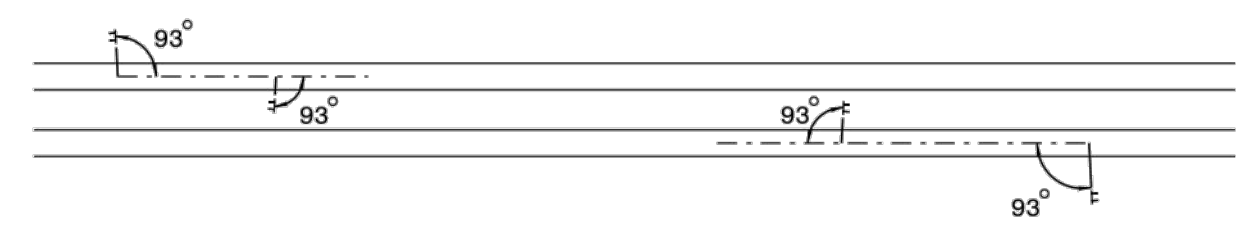
DETAILS

PLAN INFORMATION

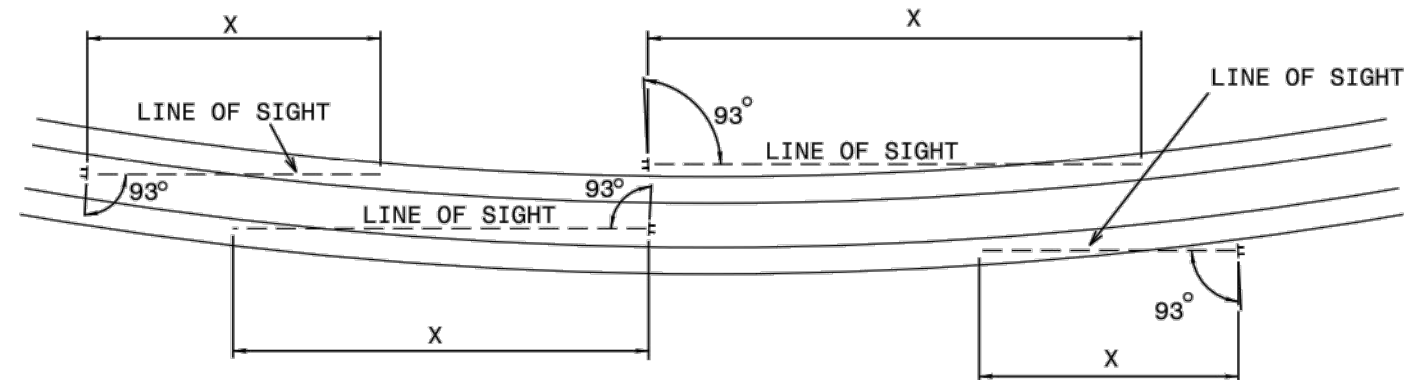
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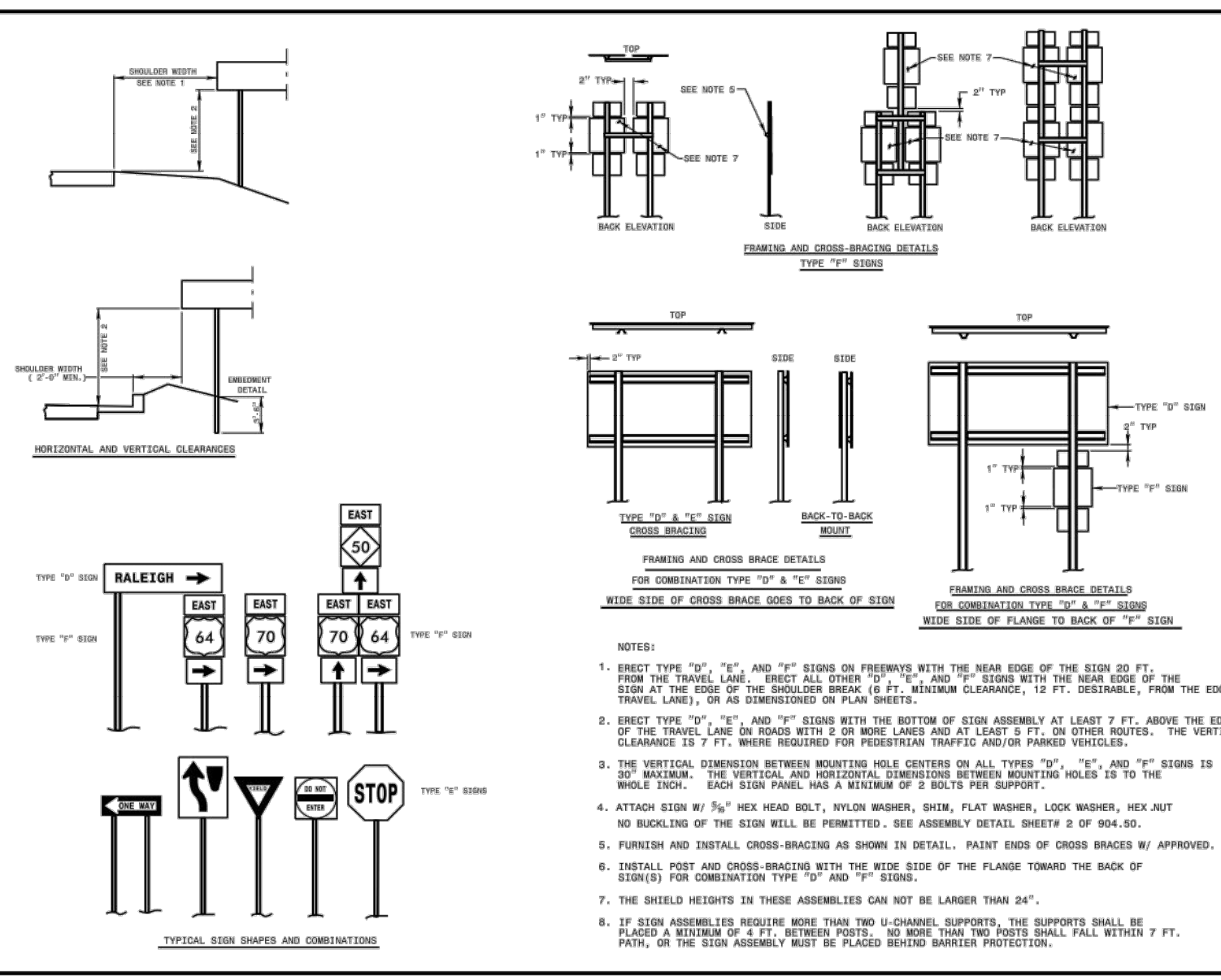
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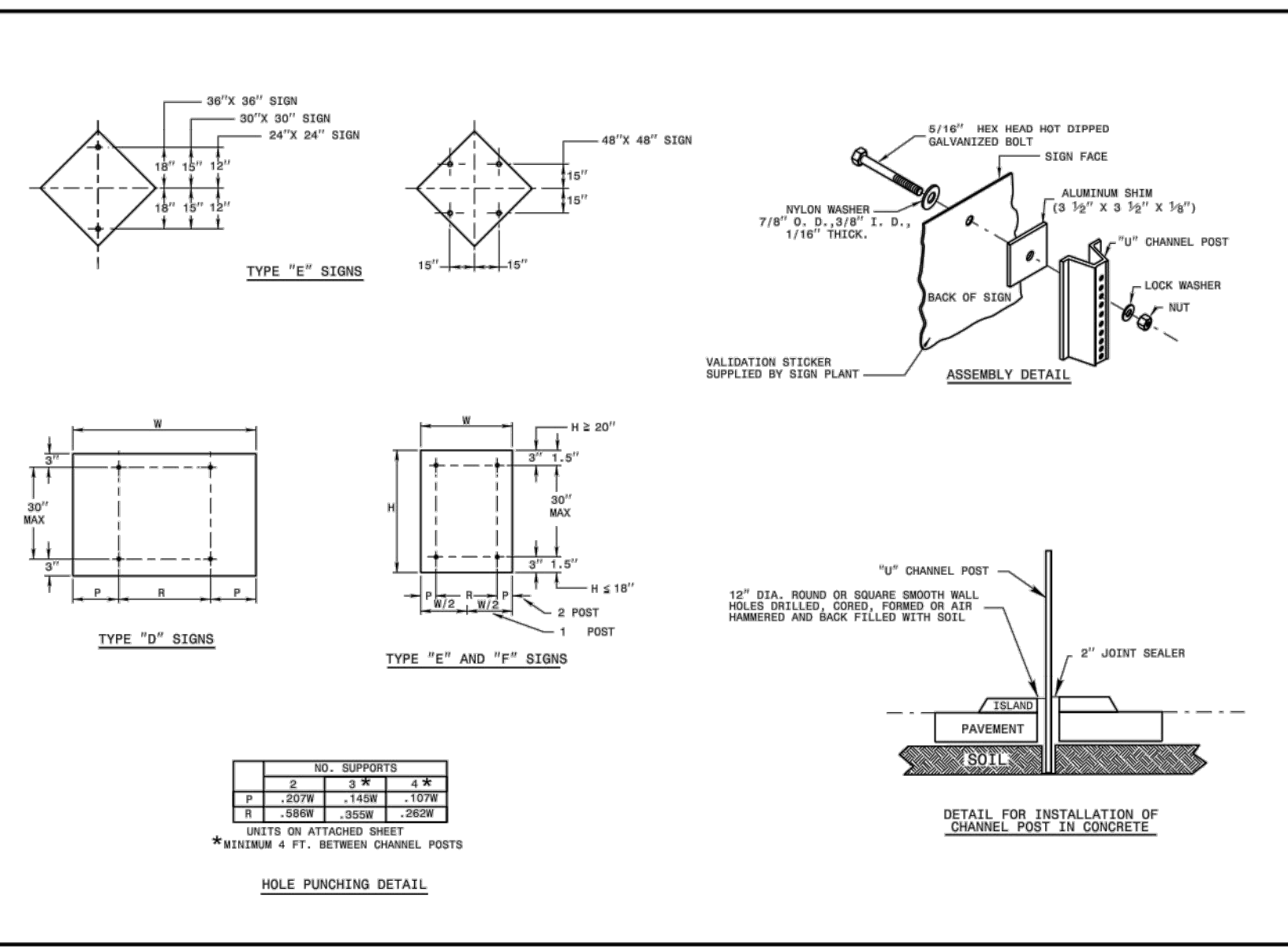
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IF SIGN HAS NO LOWER CASE LETTERS, USE HEIGHT OF
UPPER CASE OR CAPITAL LETTERS IN MAJOR LINE OF COPY.



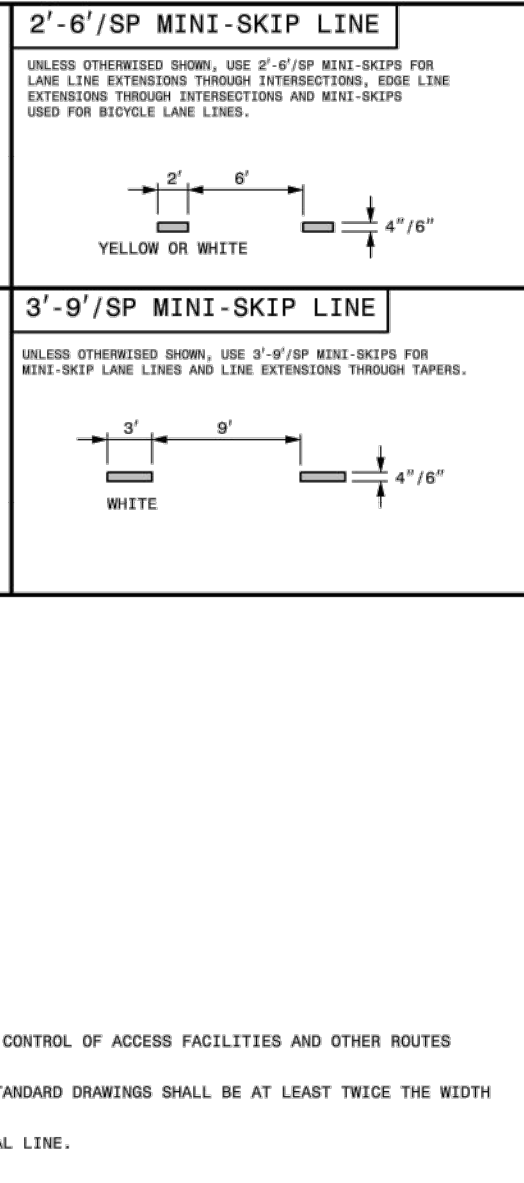
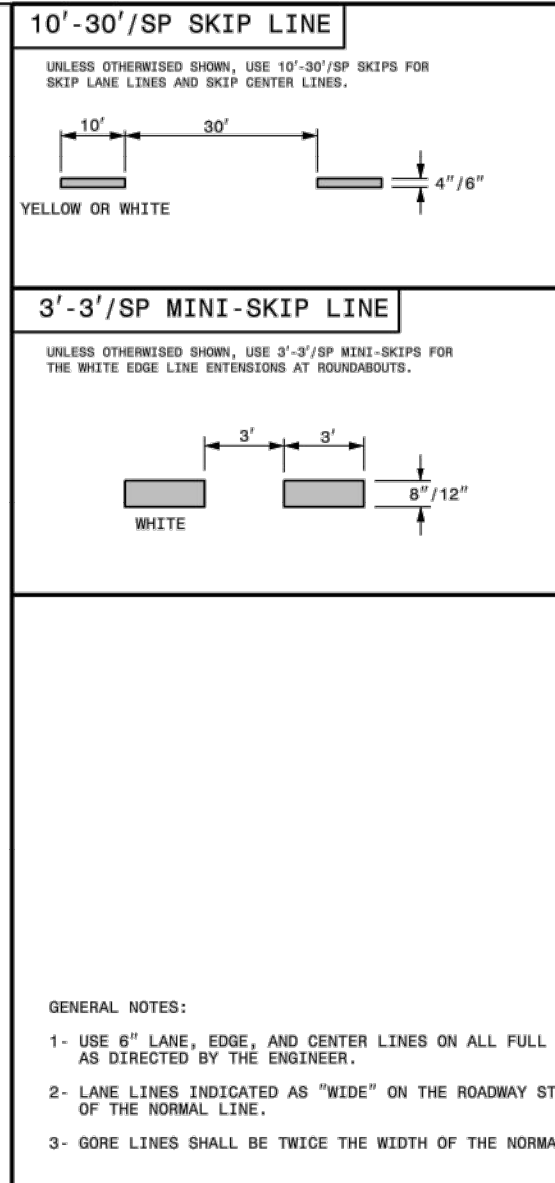
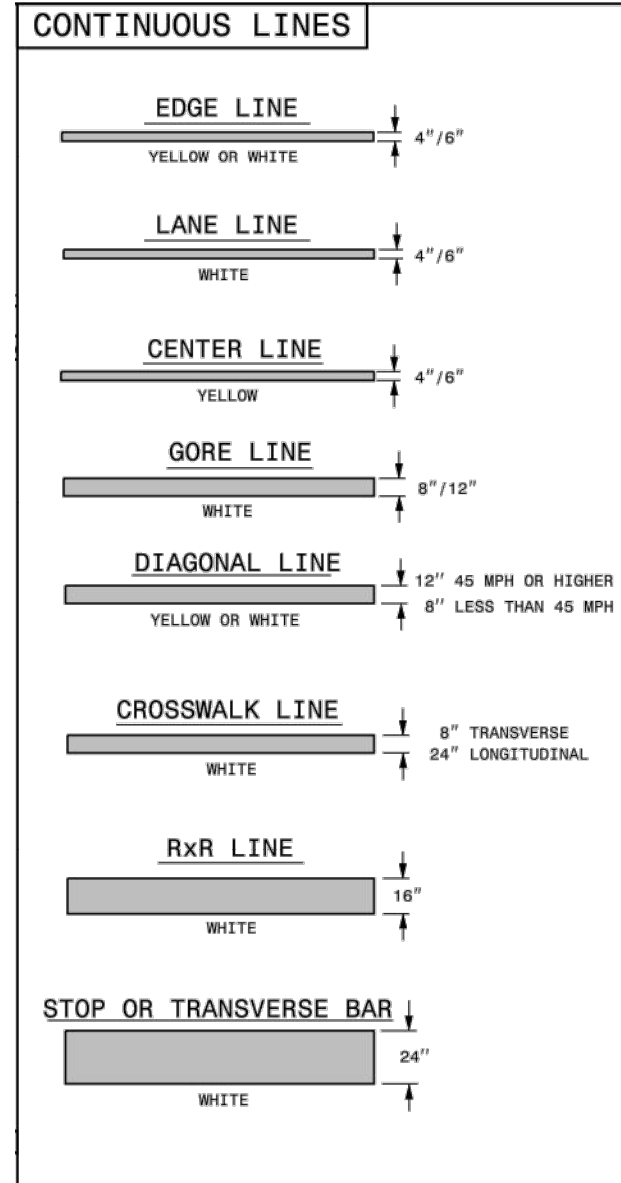
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
ROADWAY STANDARD DRAWING FOR
ORIENTATION OF GROUND MOUNTED SIGNS
SHEET 1 OF 1
904.10



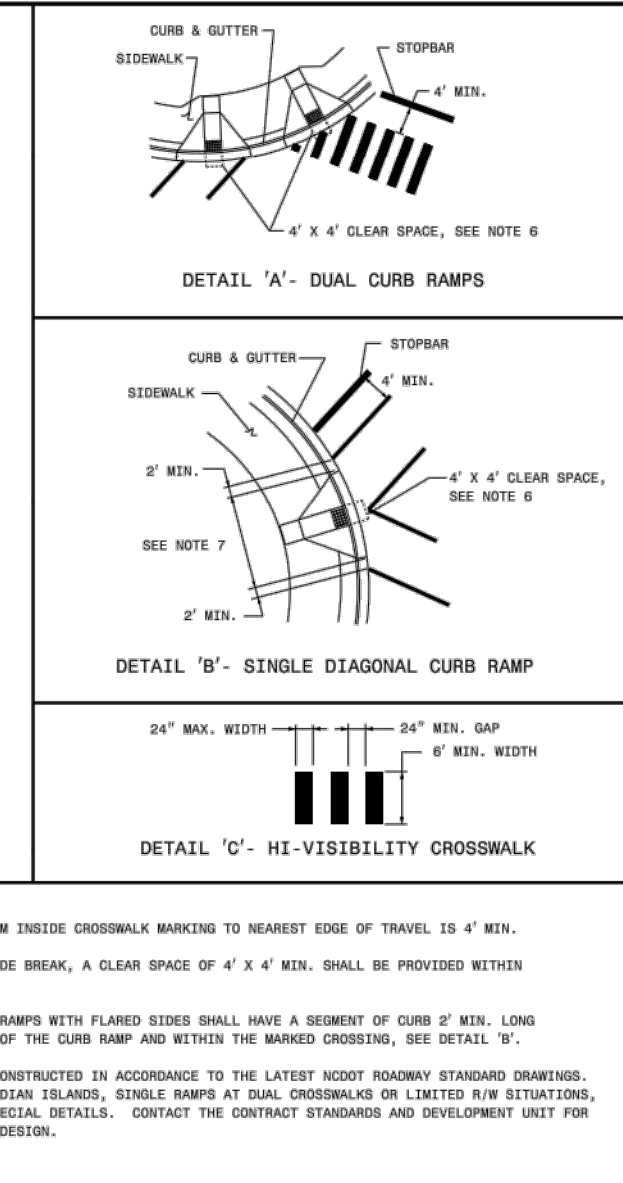
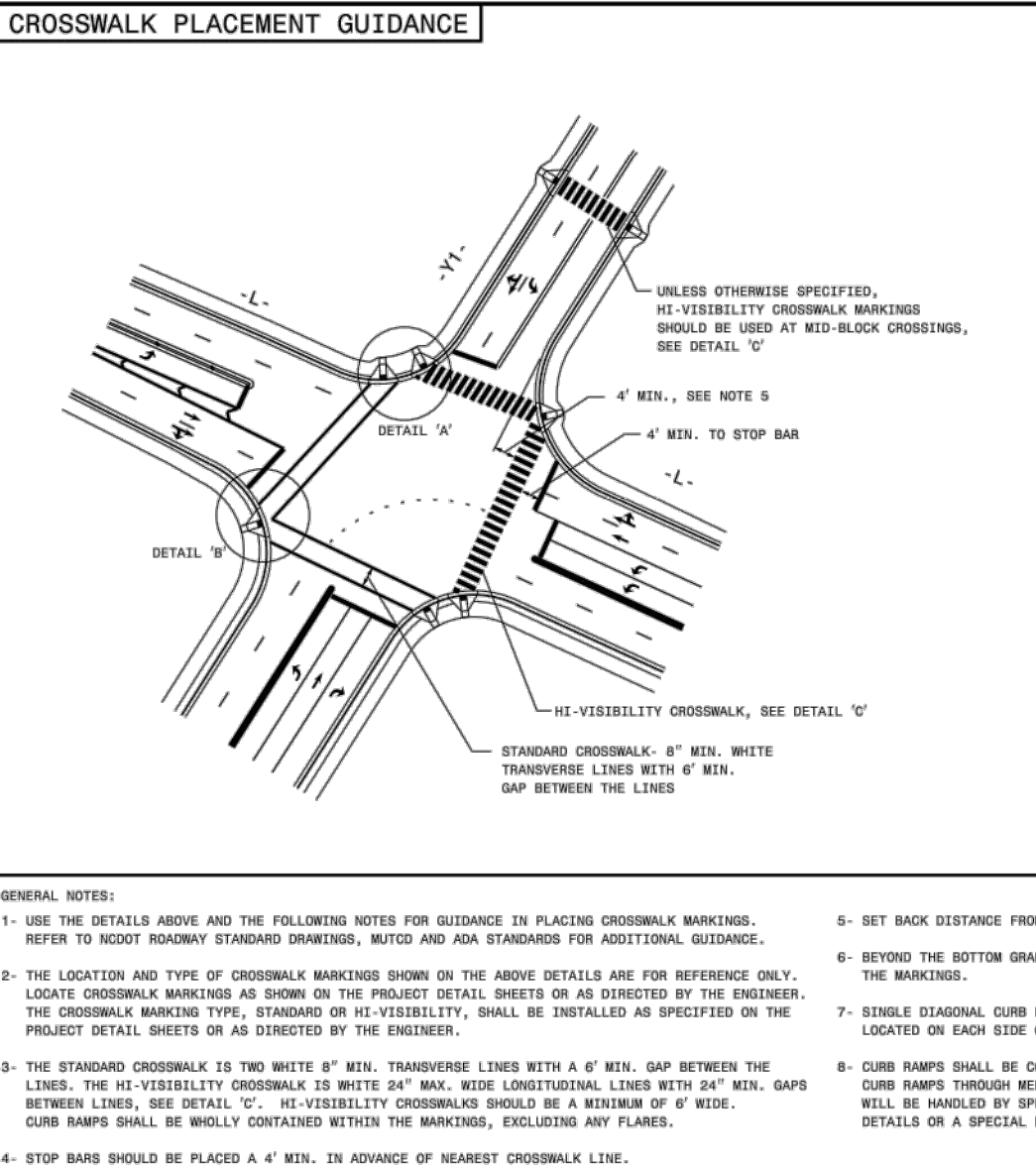
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
SHEET 1 OF 2
904.50



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
SHEET 2 OF 2
904.50



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS LINE TYPES AND OFFSETS
SHEET 1 OF 2
1205.01



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS PEDESTRIAN CROSSWALKS
SHEET 1 OF 1
1205.07

GENERAL NOTES:
1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.
2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.

GENERAL NOTES:
1- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS. REFER TO MOST ROADWAY STANDARD DRAWINGS, WATCH AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
2- THE LOCATION AND TYPE OF CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. LOCATE CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALLED AS SPECIFIED ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.
3- THE STANDARD CROSSWALK IS TWO WHITE 8" MIN. TRANSVERSE LINES WITH A 6" MIN. GAP BETWEEN THE LINES. THE HI-VISIBILITY CROSSWALK IS WHITE 24" MAX. WIDE LONGITUDINAL LINES WITH 24" MIN. GAPS BETWEEN LINES. SEE DETAIL 'C'. HI-VISIBILITY CROSSWALK SHOULD BE A MINIMUM OF 6' WIDE. CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARES.
4- STOP BARS SHOULD BE PLACED A 4' MIN. IN ADVANCE OF NEAREST CROSSWALK LINE.
5- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
6- BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4' X 4' MIN. SHALL BE PROVIDED WITHIN THE MARKINGS.
7- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A HEIGHT OF CURB 2' MIN. LONG LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
8- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCOT ROADWAY STANDARD DRAWINGS. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR DETAILS ON A SPECIAL DESIGN.

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REVISIONS
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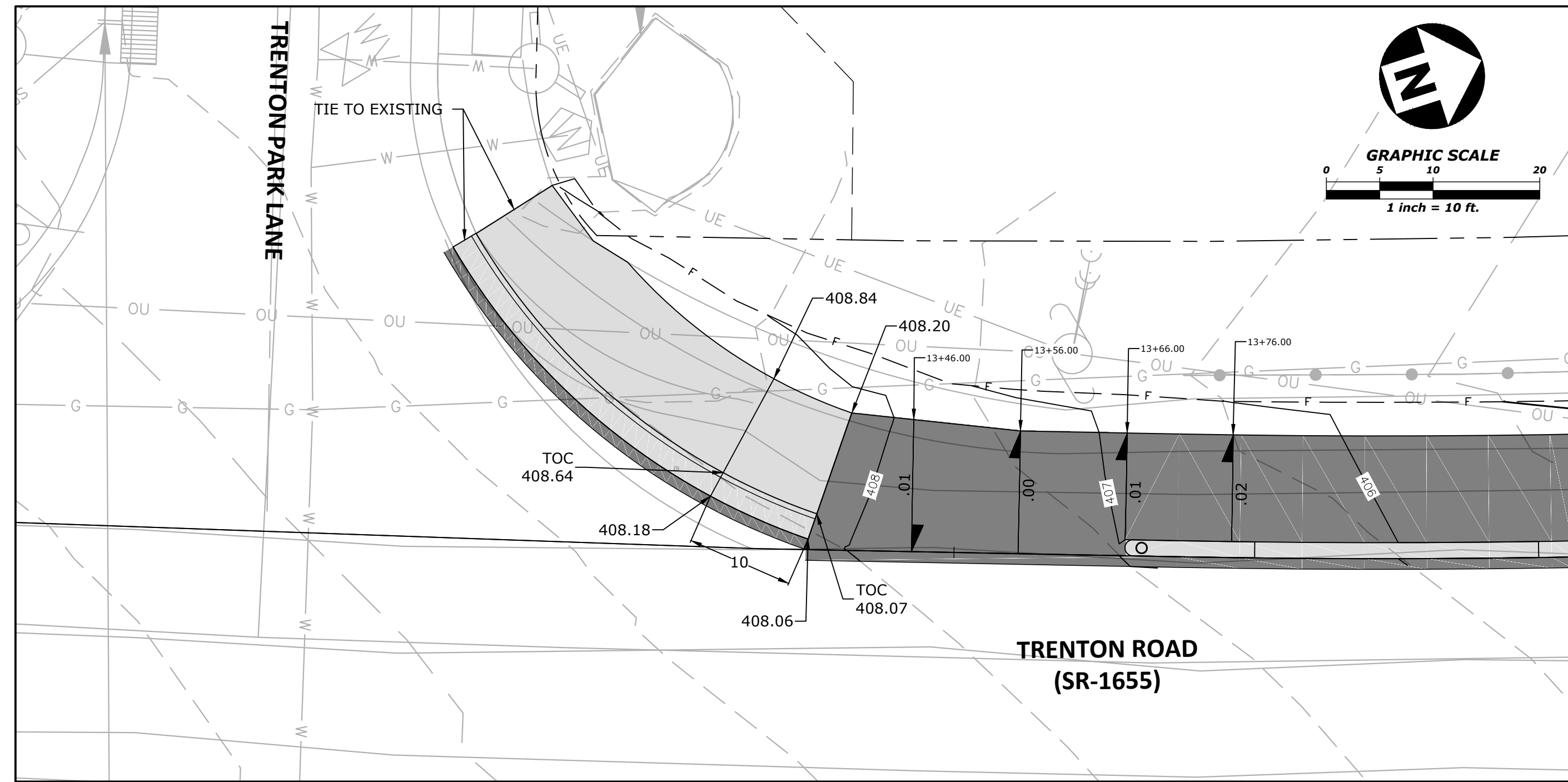
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

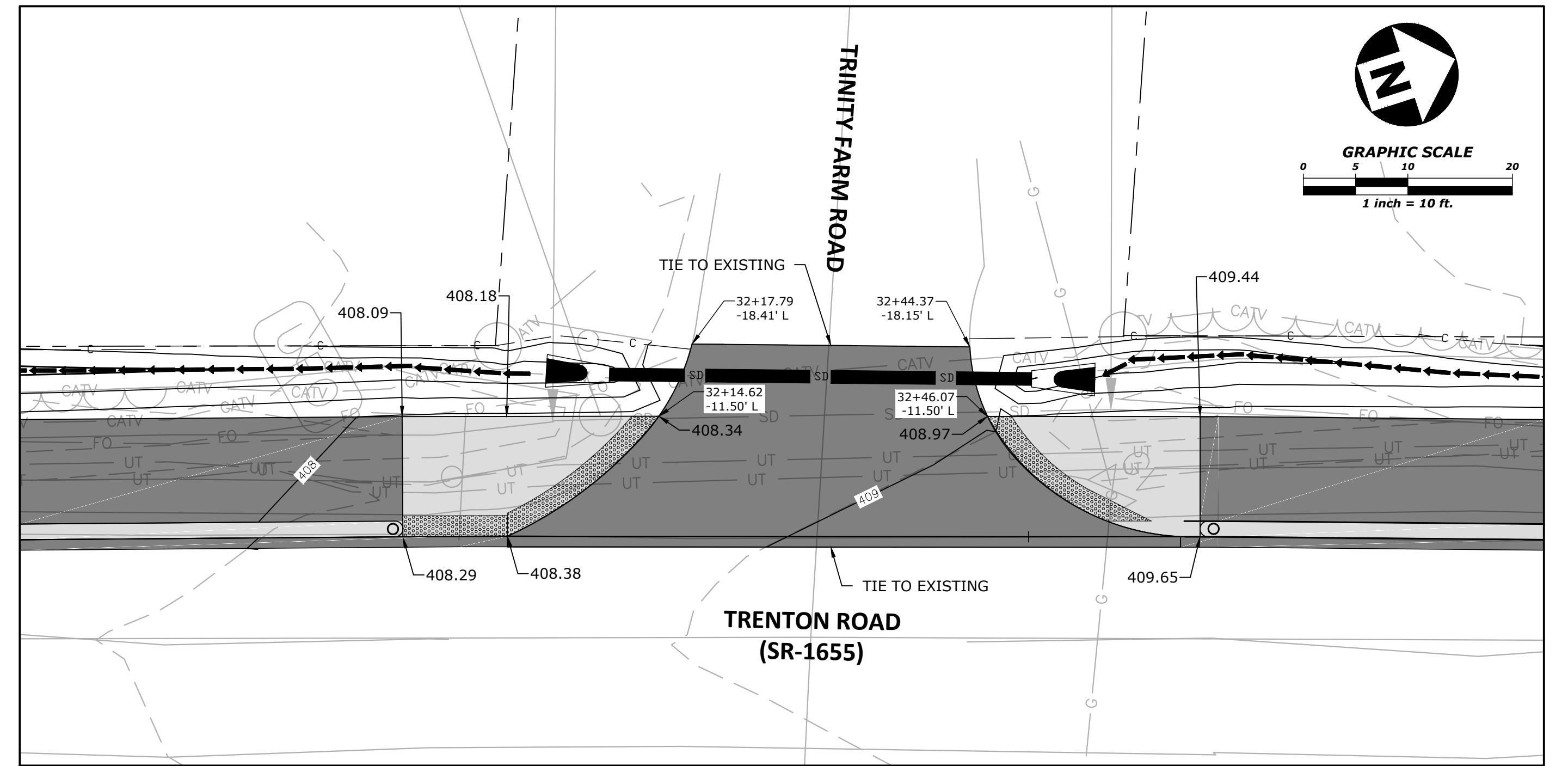
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DRAWN BY JP, ED
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DATE 03/15/2022

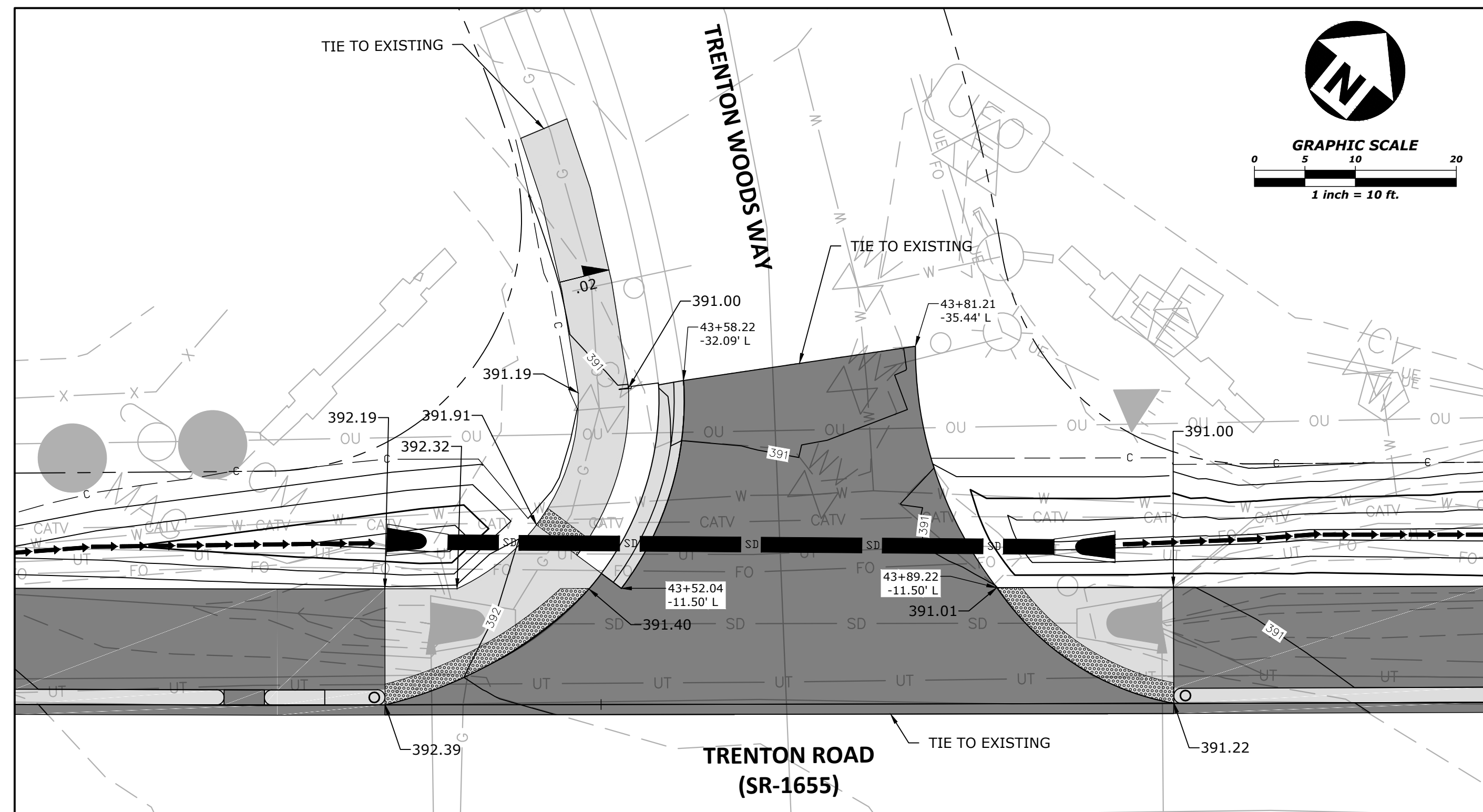
2B-6



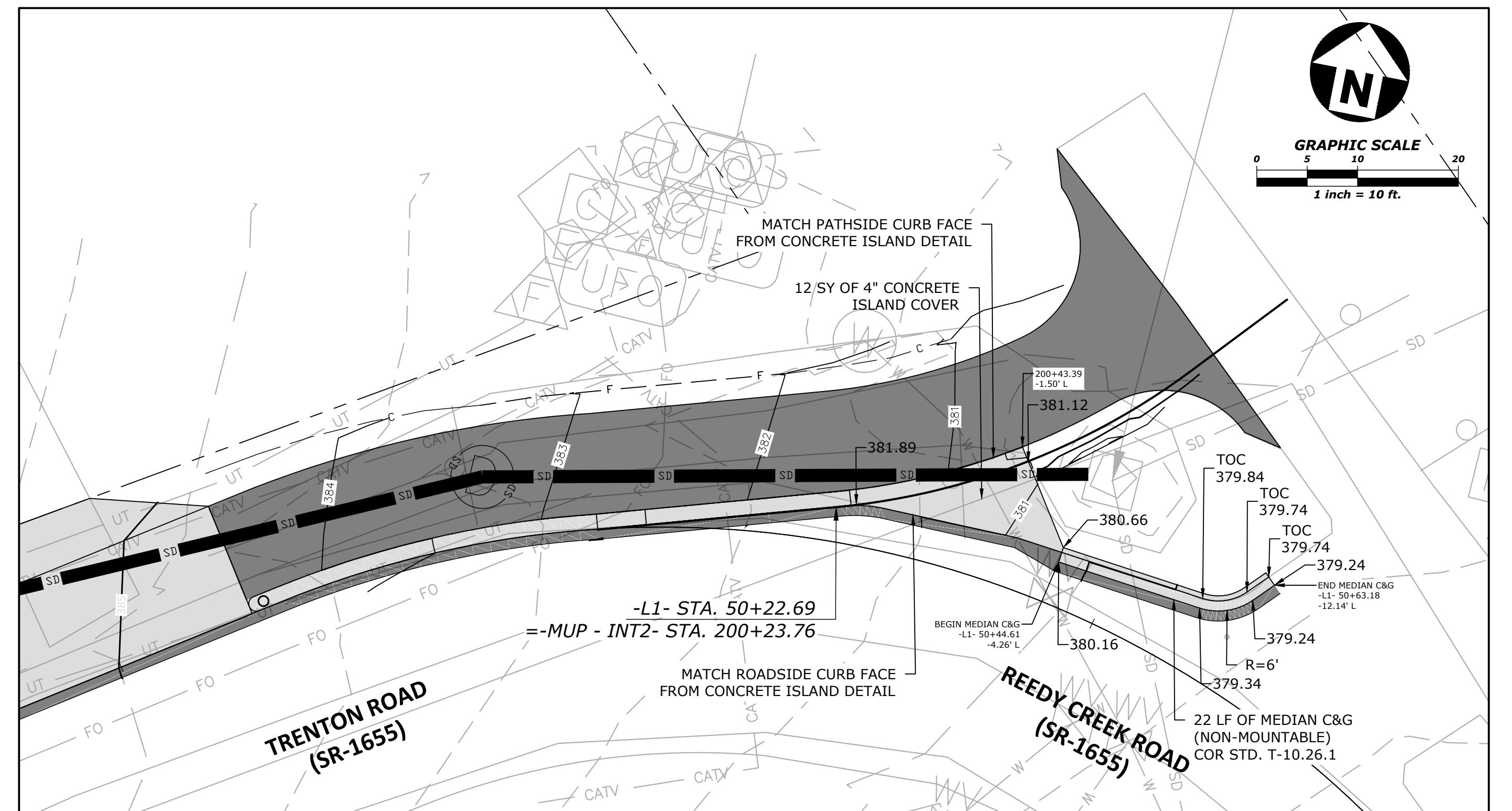
GRADING DETAIL #1



GRADING DETAIL #2



GRADING DETAIL #3



GRADING DETAIL #4

NOTES:
TOC = TOP OF CURB

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TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

DETAILS

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DRAWN BY JP, ED
SCALE NTS
DATE 03/15/2022

2B-10

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STATION	PARCEL ID	PARCEL OWNER	ADJACENT PROPERTY OWNER (PIN)	TREE SIZE	TREE TYPE
37+32	N/A	EXISTING R/W	KRAEMER (775-76-5208)	15"	OAK
38+84	N/A	EXISTING R/W	KRAEMER (775-76-5208)	18"	PINE
38+89	N/A	EXISTING R/W	KRAEMER (775-76-5208)	6"	SWEET GUM
39+02	N/A	EXISTING R/W	JANAS (775-76-6347)	2 X 15"	PINE (2)
39+12	N/A	EXISTING R/W	JANAS (775-76-6347)	15"	PINE
39+12	N/A	EXISTING R/W	JANAS (775-76-6347)	8"	CEDAR
39+20	N/A	EXISTING R/W	JANAS (775-76-6347)	15"	PINE
39+30	N/A	EXISTING R/W	JANAS (775-76-6347)	10"	CEDAR
41+80	N/A	EXISTING R/W	PORTER/BHADA (775-76-8543)	8"	OAK
42+14	N/A	EXISTING R/W	PORTER/BHADA (775-76-8543)	6"	OAK

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TRENTON ROAD CONNECTOR
 TRENTON PARK LANE TO REEDY CREEK RD

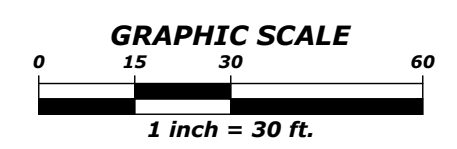
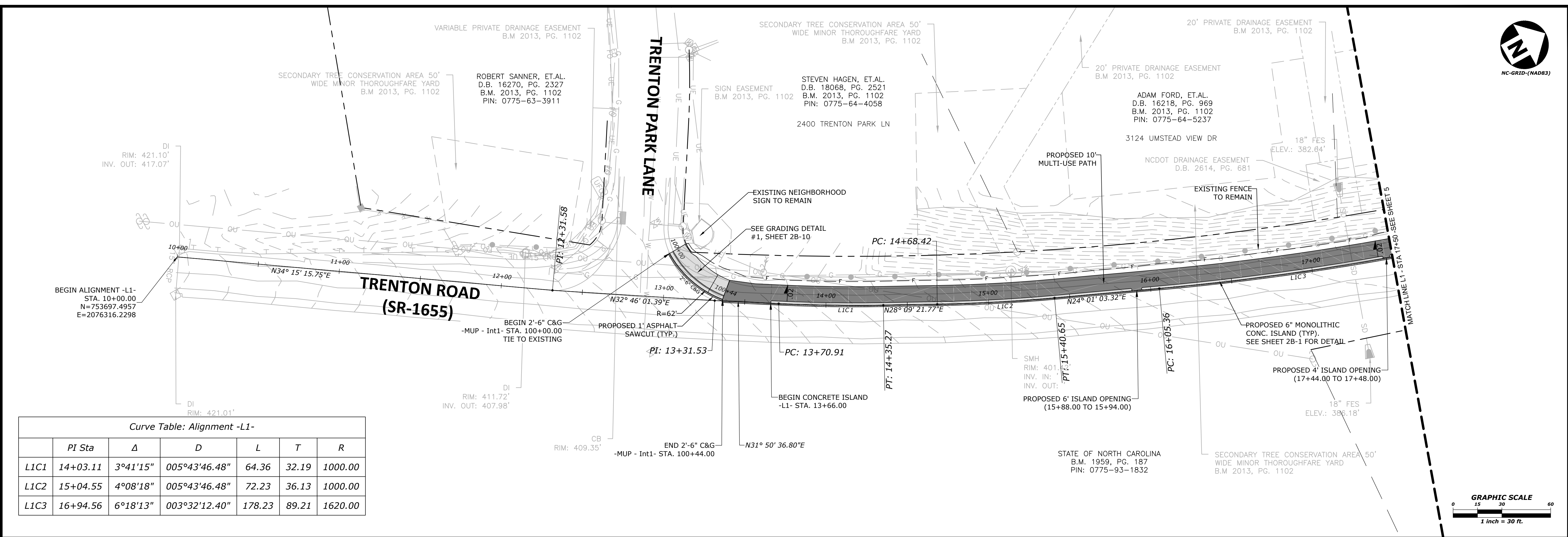
TREE REMOVAL SUMMARY

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 DATE 03/15/2022

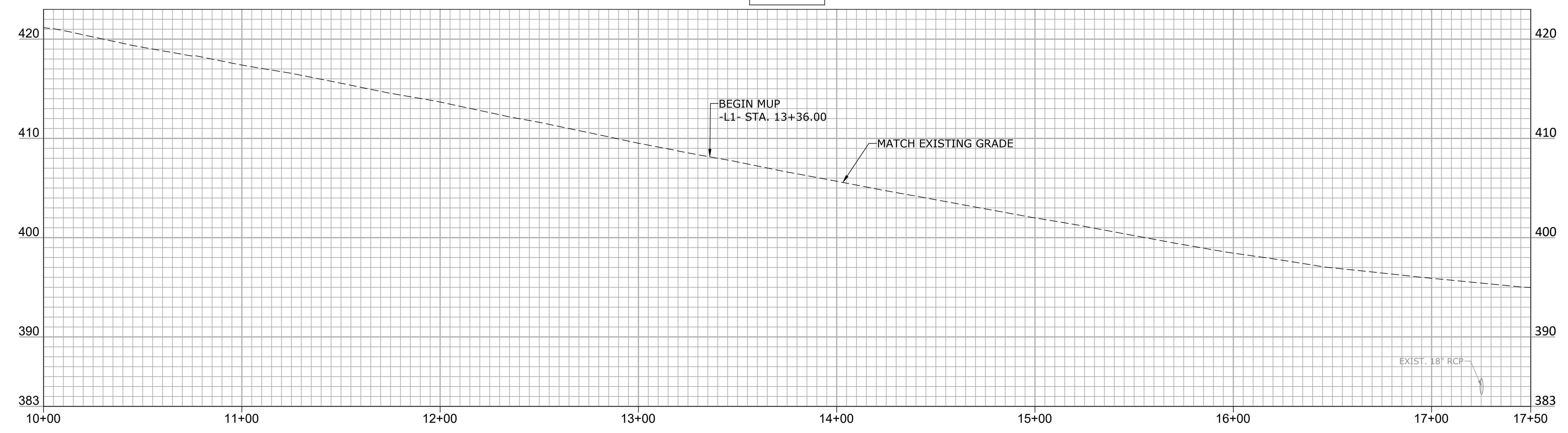
3T-1



NC-GRID-(MAD83)



- L1 -



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GREENWAY ENGINEER HYDRAULICS ENGINEER
 

TRENTON ROAD CONNECTOR

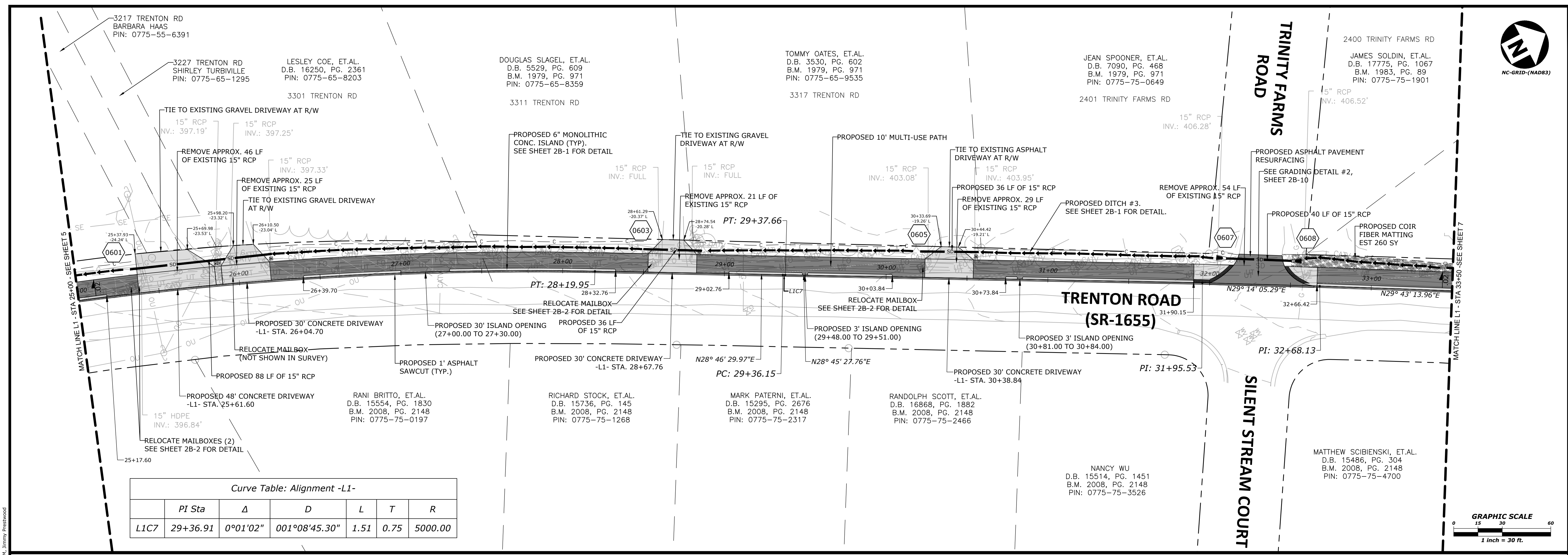
TRENTON PARK LANE TO REEDY CREEK RD

PLAN & PROFILE

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 SCALE 1" = 30' / 1"=6'
 DATE 03/15/2022

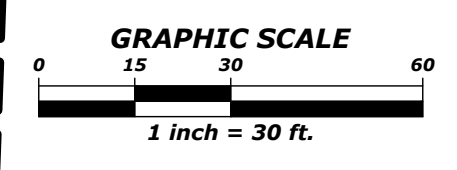


NC-GRID-(NAD83)

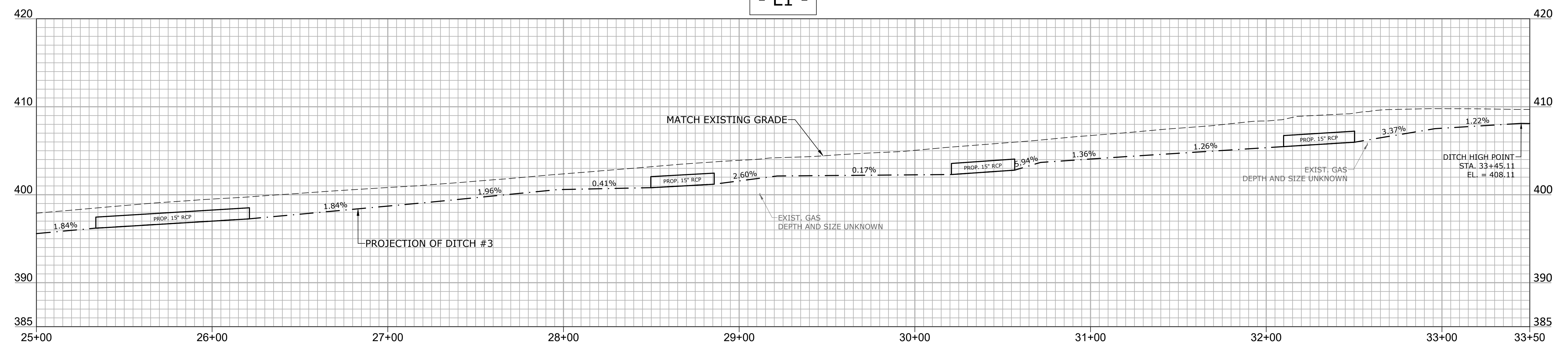


Curve Table: Alignment -L1-

	PI Sta	Δ	D	L	T	R
LIC7	29+36.91	0°01'02"	001°08'45.30"	1.51	0.75	5000.00



- L1 -



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TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

PLAN & PROFILE

PLAN INFORMATION

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FILENAME	2020110233_P1.dwg
CHECKED BY	GDB
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SCALE	1" = 30' / 1"=6'
DATE	03/15/2022



NC-GRID-(MAD83)

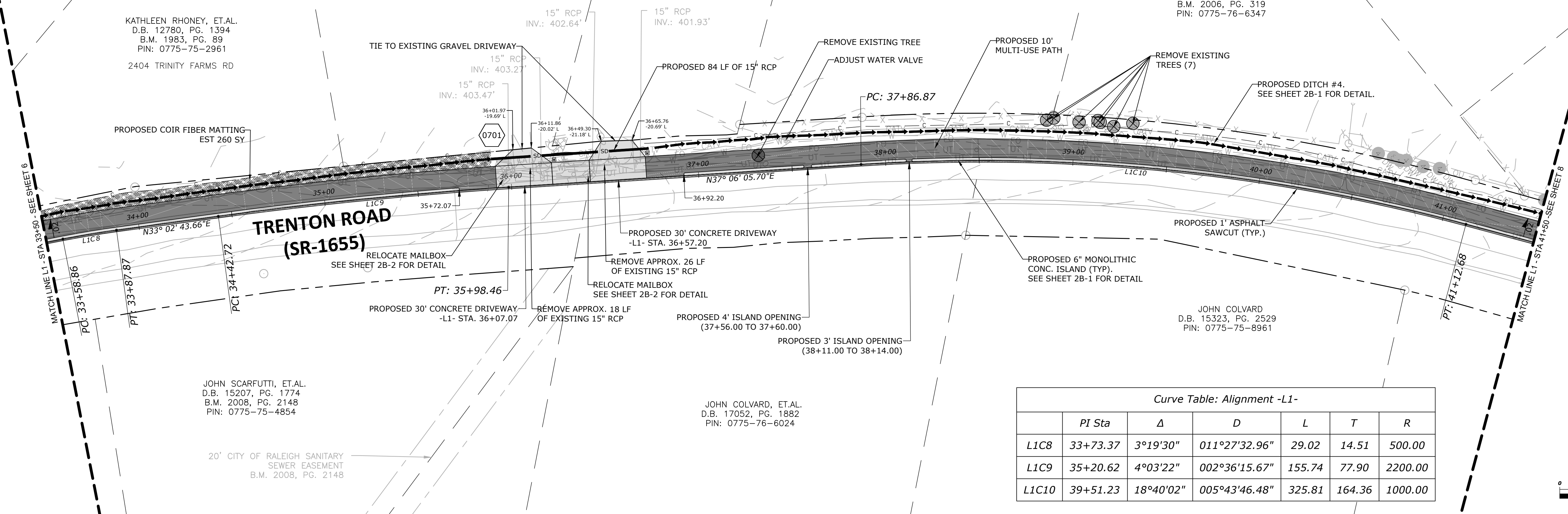
KENNETH GARRARD
D.B. 9396, PG. 2442
B.M. 1983, PG. 89
PIN: 0775-76-3025
3405 TRENTON RD

SANDRA STRONG
D.B. 16877, PG. 2326
B.M. 1983, PG. 89
PIN: 0775-76-4125
3501 TRENTON RD

NANCY KRAEMER, ET.AL.
D.B. 17024, PG. 687
B.M. 2006, PG. 319
PIN: 0775-76-5208
3700 TREE SIDE CT

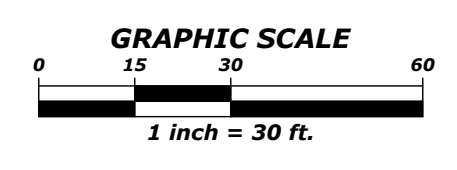
KATHLEEN RHONEY, ET.AL.
D.B. 12780, PG. 1394
B.M. 1983, PG. 89
PIN: 0775-75-2961
2404 TRINITY FARMS RD

3704 TREE SIDE CT
MARK JANAS, ET.AL.
D.B. 13120, PG. 395
B.M. 2006, PG. 319
PIN: 0775-76-6347

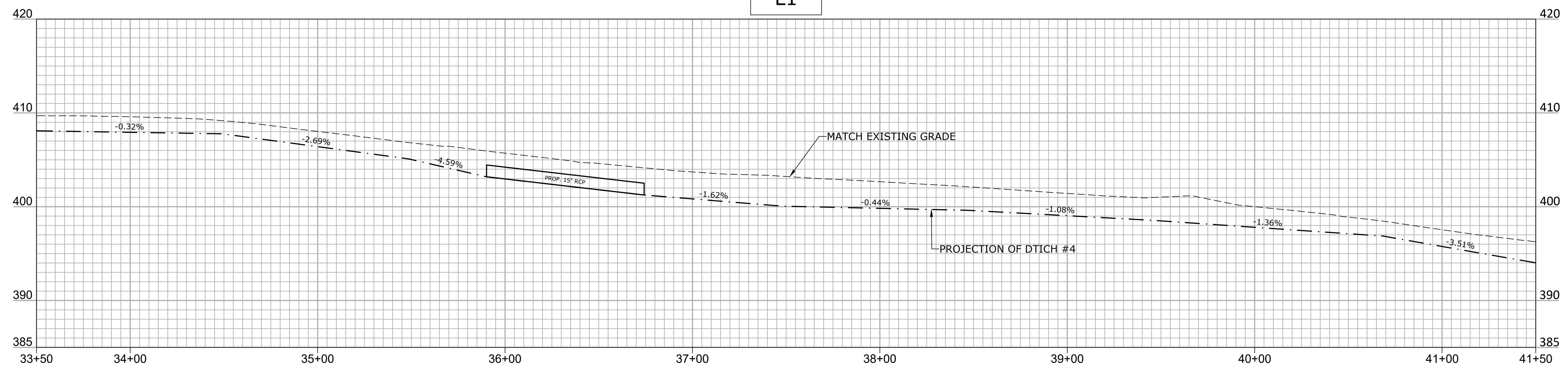


Curve Table: Alignment -L1-

	PI Sta	Δ	D	L	T	R
L1C8	33+73.37	3°19'30"	011°27'32.96"	29.02	14.51	500.00
L1C9	35+20.62	4°03'22"	002°36'15.67"	155.74	77.90	2200.00
L1C10	39+51.23	18°40'02"	005°43'46.48"	325.81	164.36	1000.00



- L1 -



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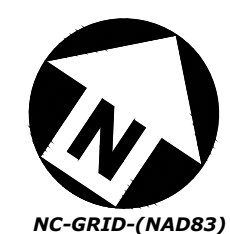
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

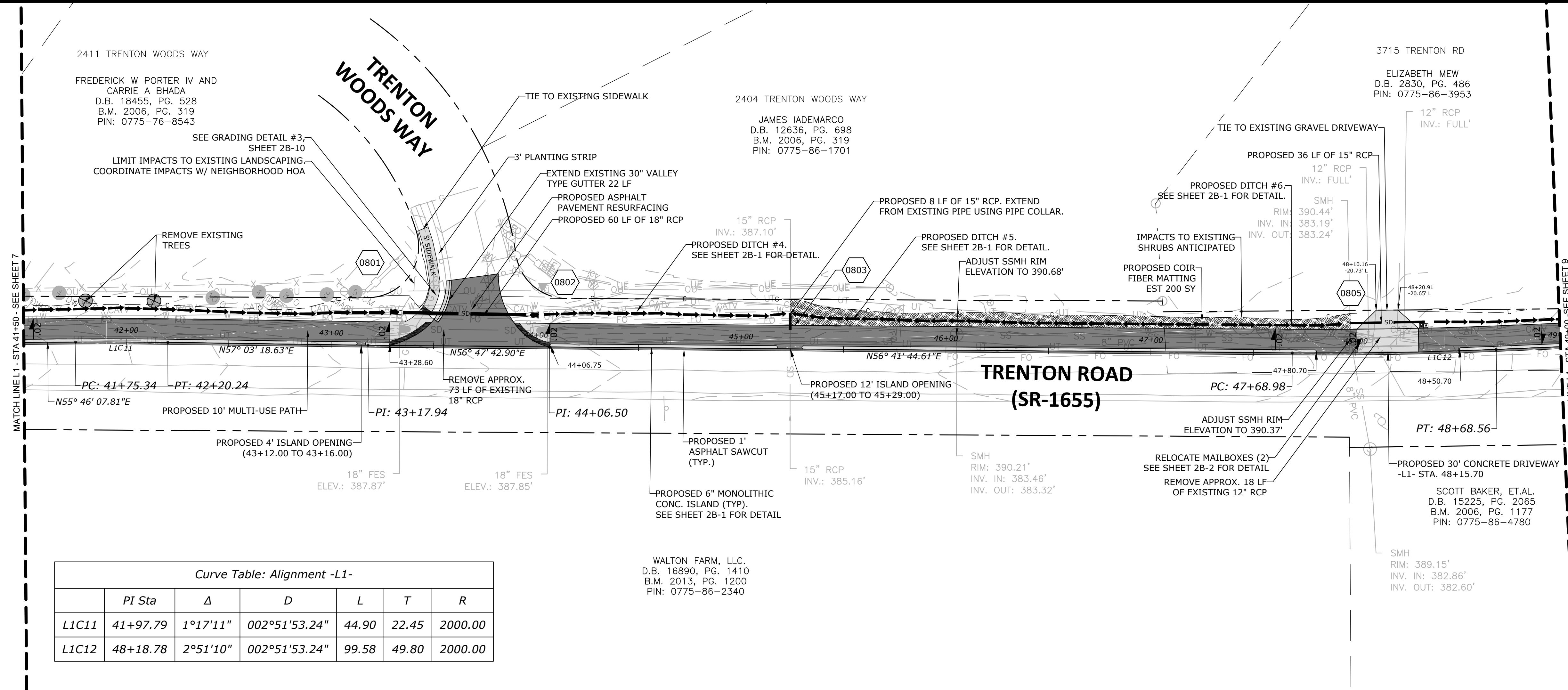
PLAN & PROFILE

PLAN INFORMATION

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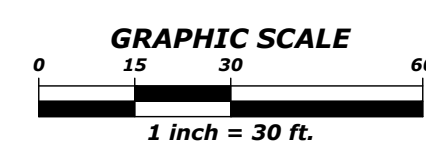


NC-GRID-(MAD83)

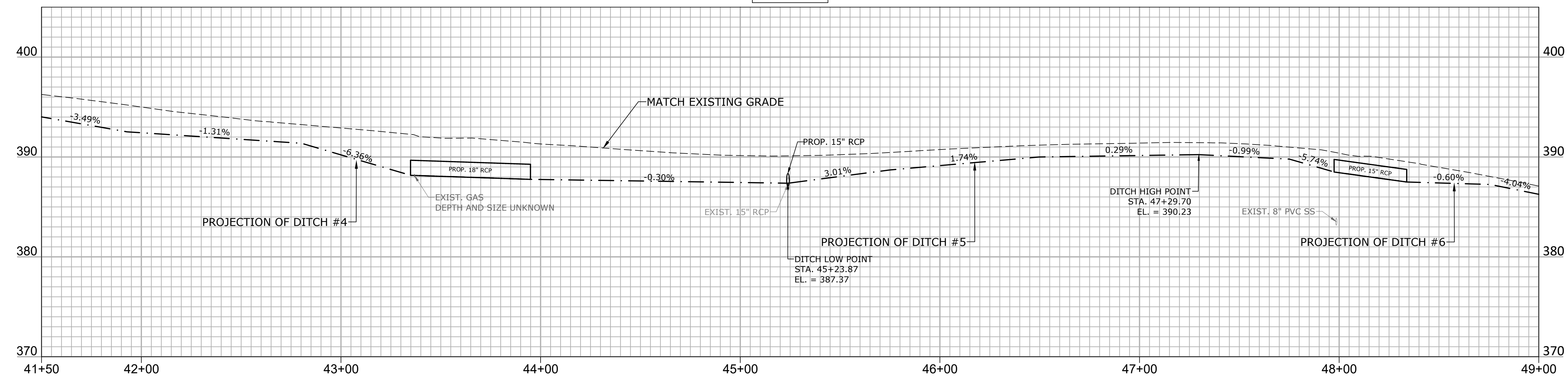


Curve Table: Alignment -L1-

	PI Sta	Δ	D	L	T	R
L1C11	41+97.79	1°17'11"	002°51'53.24"	44.90	22.45	2000.00
L1C12	48+18.78	2°51'10"	002°51'53.24"	99.58	49.80	2000.00



- L1 -



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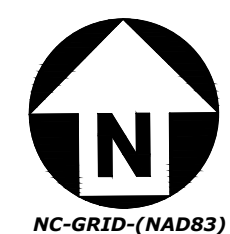
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

PLAN & PROFILE

PLAN INFORMATION

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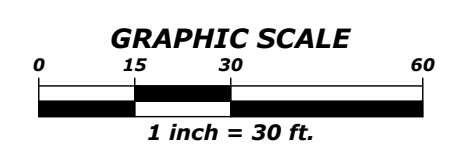
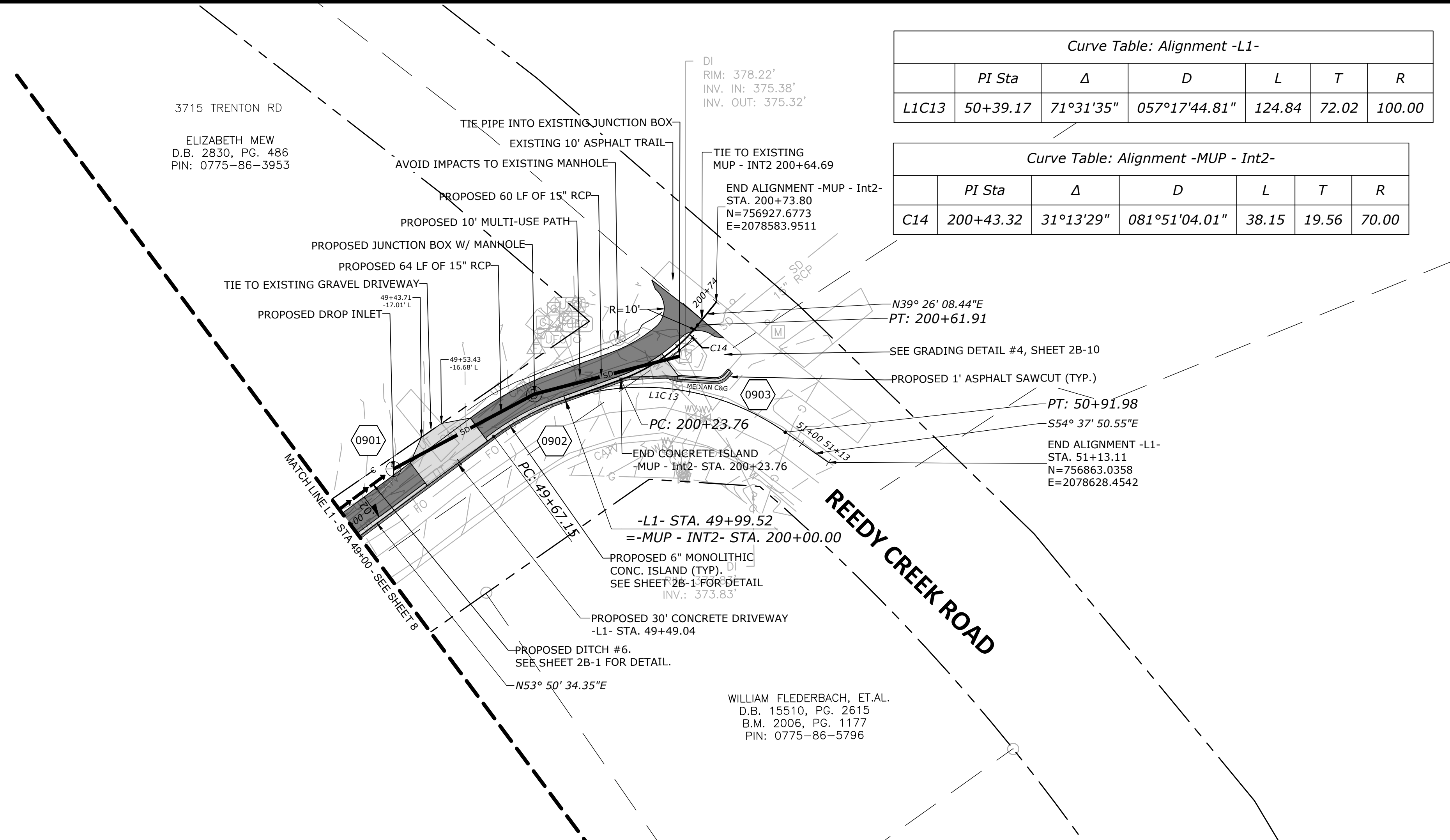


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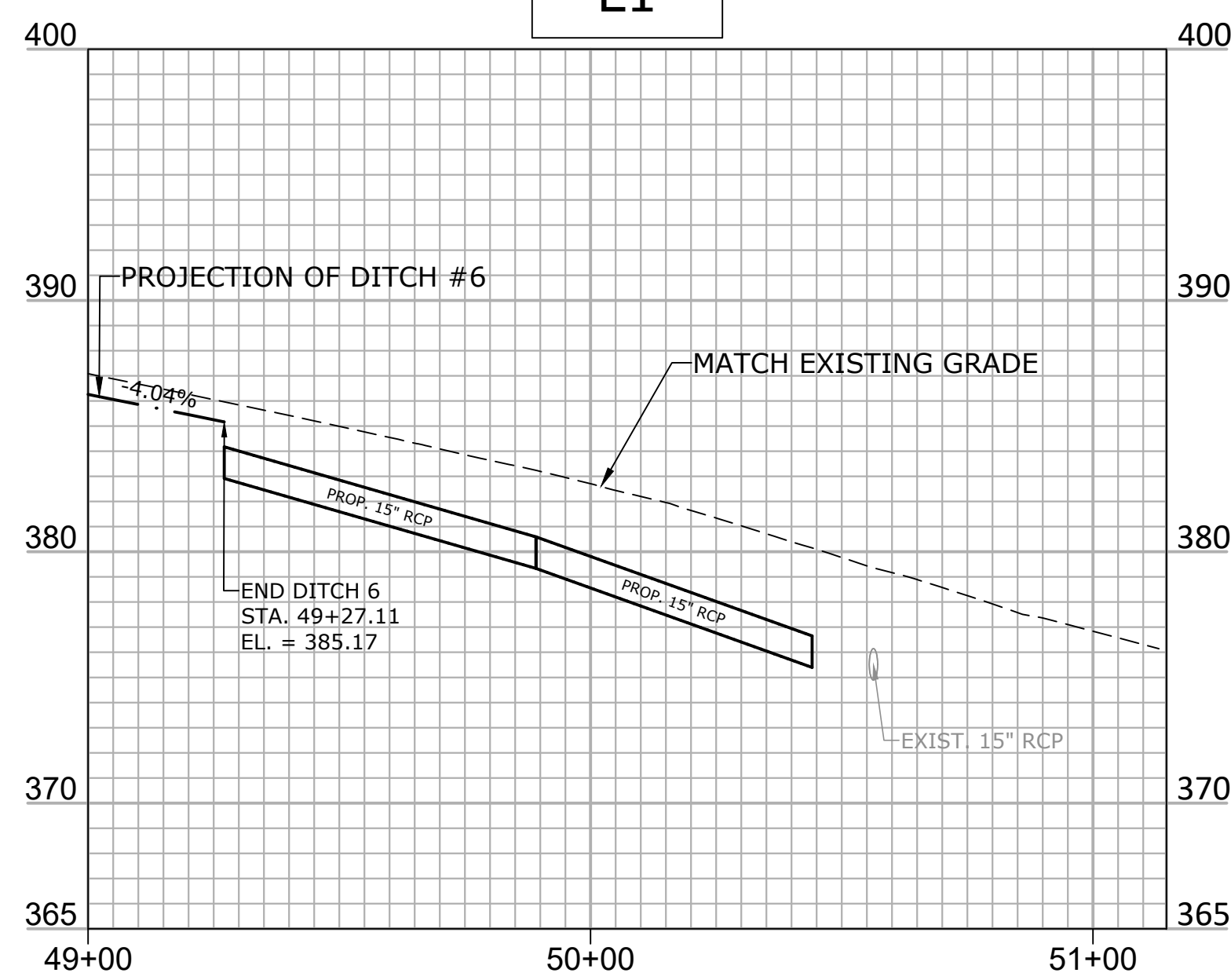
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Curve Table: Alignment -MUP - Int2-

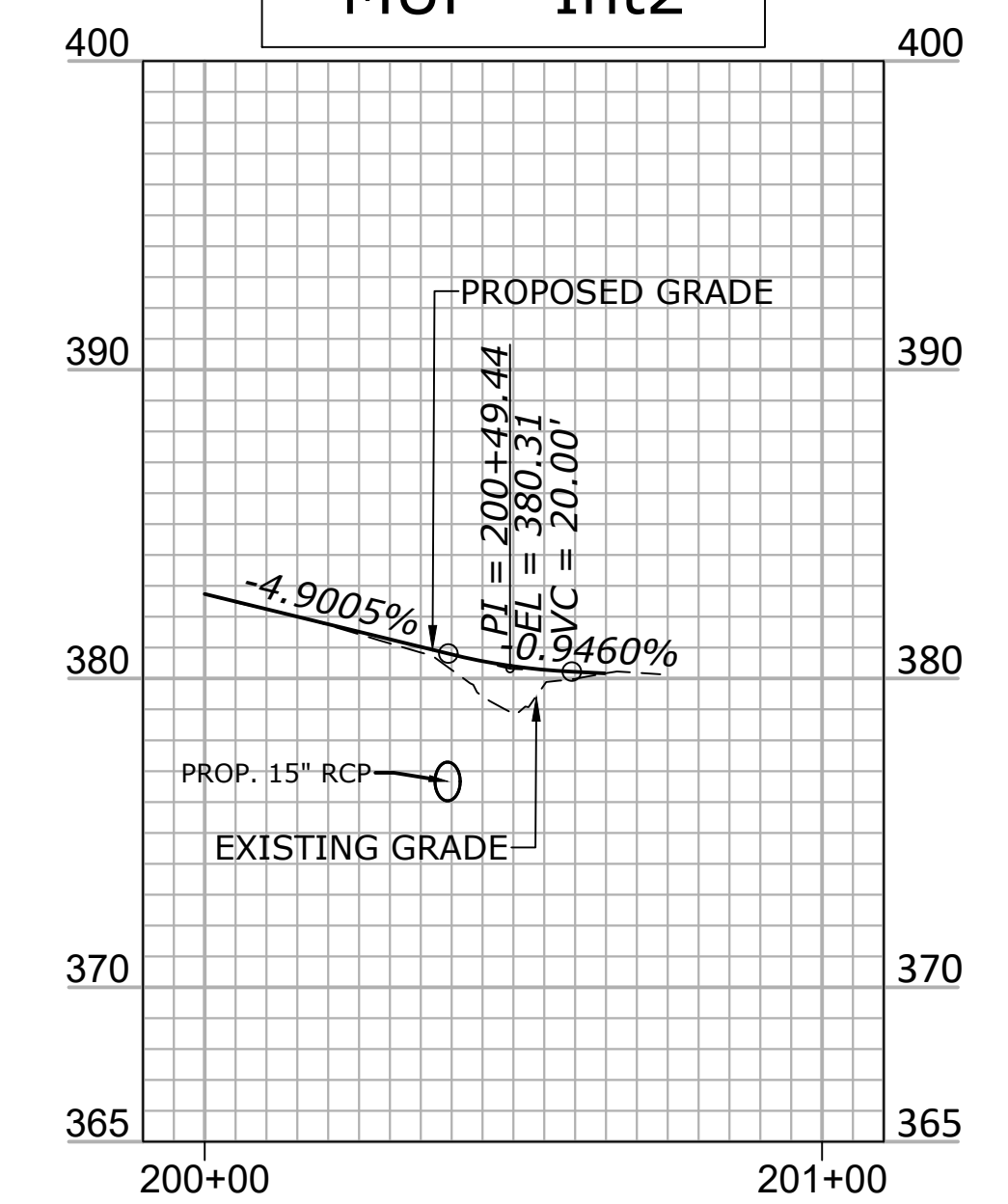
	PI Sta	Δ	D	L	T	R
C14	200+43.32	31°13'29"	081°51'04.01"	38.15	19.56	70.00



- L1 -



- MUP - Int2 -



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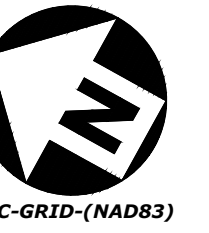
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TRENTON ROAD CONNECTOR

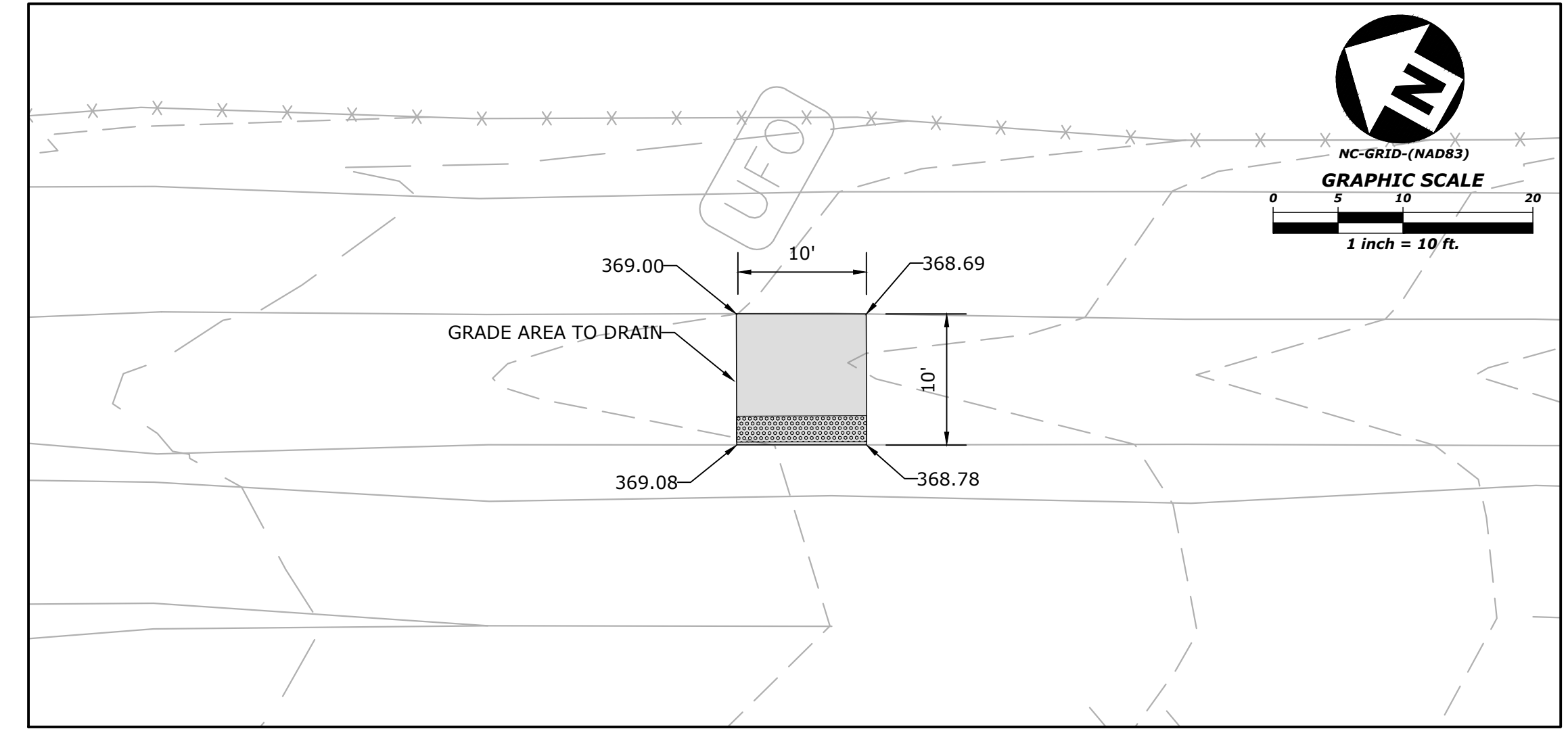
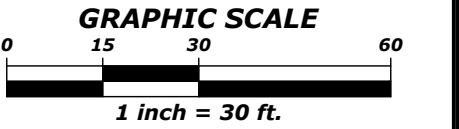
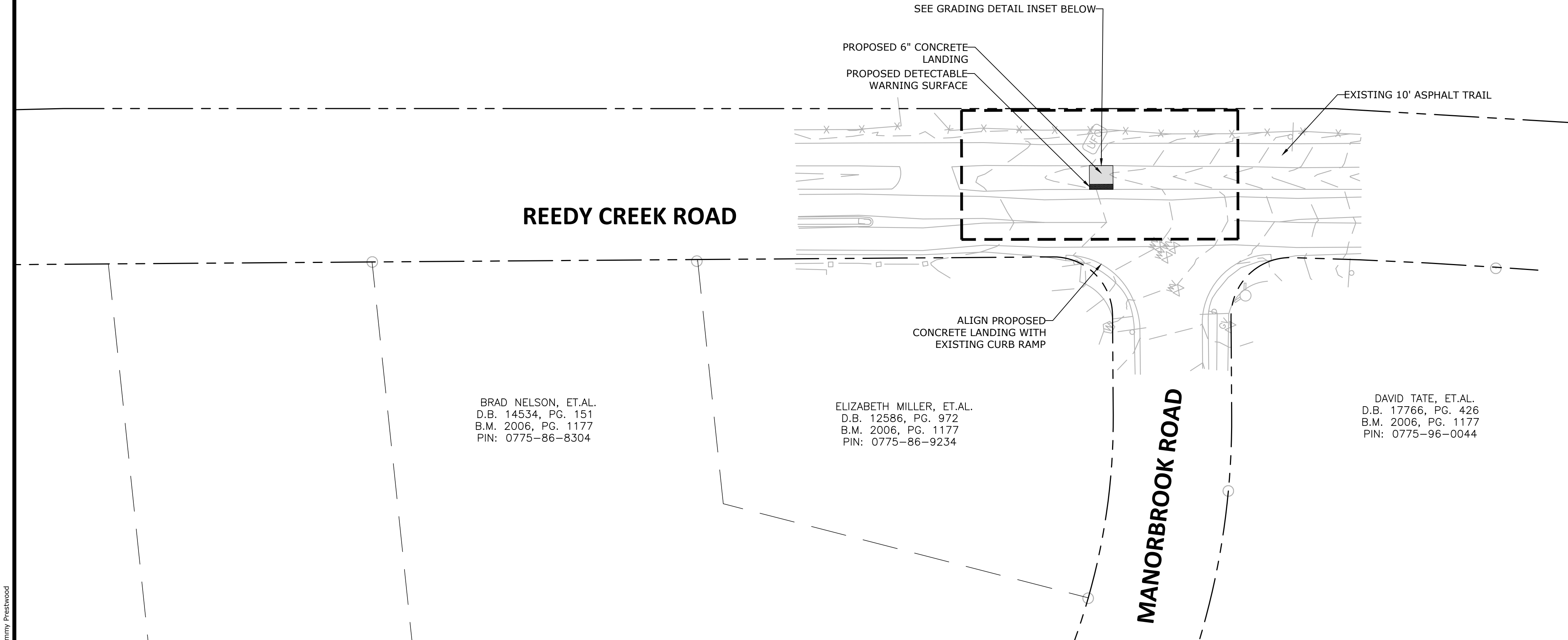
TRENTON PARK LANE TO REEDY CREEK RD

PLAN & PROFILE

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GRADING DETAIL

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CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD

PLAN & PROFILE

PLAN INFORMATION

PROJECT NO. 2020110233
FILENAME 2020110233_P1.dwg
CHECKED BY GDB
DRAWN BY xxx
SCALE 1" = 30' / 1"=6'
DATE 03/15/2022

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS		
TRENTON ROAD	MONDAY-FRIDAY 6:00 AM - 9:00 AM 4:00 PM - 7:00 PM	SATURDAY 4:00 PM - 12:00 AM	SUNDAY NO WORK

B) SEE INTERMEDIATE CONTRACT TIME FOR TIME RESTRICTIONS CONCERNING HOLIDAYS, HOLIDAY WEEKENDS, SPECIAL EVENTS, OR ANY OTHER TIME WHEN TRAFFIC IS UNUSUALLY HEAVY.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STD. DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STD. DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STD. DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVEL WAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON TRENTON ROAD.
- I) MAINTAIN TWO WAY TRAVEL ON TRENTON ROAD AT ALL TIMES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

J) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAY WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAY WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- L) CONTRACTOR SHALL CONTACT THE ENGINEER, THE CITY OF RALEIGH, AND NCDOT TRAFFIC OPERATIONS GROUP 21 DAYS PRIOR TO WORK COMMENCING.
- M) THE DYNAMIC MESSAGE BOARD SHALL BE IN PLACE TWO WEEKS PRIOR TO COMMENCING WORK TO NOTIFY THE TRAVELING PUBLIC.

SIGNING

- N) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL AND NO MORE THAN 3 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- O) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.
- Q) INSTALL "SIDEWALK CLOSED" SIGNS (R9-9) WHERE PROPOSED WORK ABUTS EXISTING SIDEWALKS TO DISCOURAGE USE OF CONSTRUCTED FACILITY DURING CONSTRUCTION.

TRAFFIC CONTROL DEVICES

- R) WHEN LANE CLOSURES ARE NOT IN EFFECT, SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STD. SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- S) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.
- T) MAINTAIN NO LESS THAN 1 FT OFFSET FROM SIDEWALK TO THE PORTABLE WATER-FILLED BARRIER WHERE A MINIMUM OF 2 FT IS NOT OBTAINABLE.

PAVEMENT MARKINGS AND MARKERS

U) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS AS FOLLOWS:

ROAD NAME	MARKING PAINT (IF NECESSARY)	MARKER NONE
TRENTON ROAD		

- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAYS OPERATIONS.
- X) TRACE THE PROPOSED CONCRETE ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

MISCELLANEOUS

- Y) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Z) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
- AA) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.)

PHASING NOTES

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS AND SIDE STREETS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL COORDINATE WITH LOCAL BUSINESSES 48 HOURS PRIOR TO COMMENCING ANY WORK TO PROVIDE NOTIFICATION.

THE CONTRACTOR SHALL USE FLAGGER CONTROL DURING ANY PHASE IF NECESSARY ACCORDING TO RSD 1101.02.

THE CONTRACTOR MUST RETURN TRAFFIC TO EXISTING PATTERN AT THE END OF EACH WORK DAY UNLESS OTHERWISE NOTED IN THE PHASING BELOW OR AS DIRECTED BY THE ENGINEER.

WORKING IN A CONTINUOUS MANNER, COMPLETE ALL CONSTRUCTION WITHIN ____ DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.02	Temporary Lane Closures (2 Lane, 2-Way Roadway - 1 Lane Closed)
1101.04	Temporary Shoulder Closures
1101.11	Traffic Control Design Tables
1130.01	Drum
1135.01	Cones
1150.01	Flagging Devices
1180.01	Skinny Drum

ADDITIONAL NCDOT STANDARDS NOT ON THE LIST ABOVE MAY BE REQUIRED AS PER PLAN DETAILS AND SPECIFICATIONS.

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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RALEIGH, NC 27601
919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS
NO. DATE

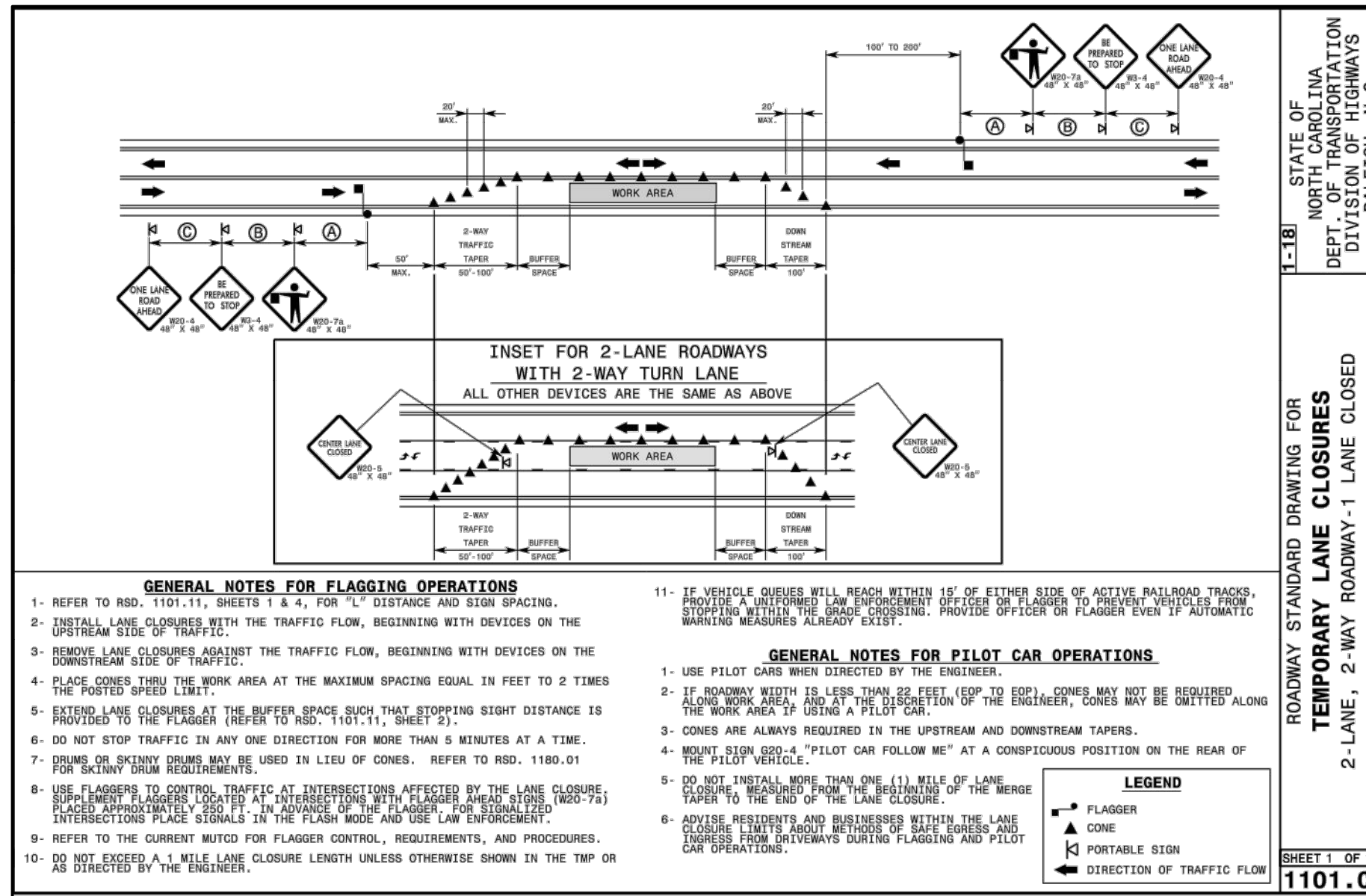
GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR TRENTON PARK LANE TO REEDY CREEK RD TRANSPORTATION MANAGEMENT PLAN

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_TMP1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE NTS
DATE 03/15/2022

TMP-1

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**STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.**

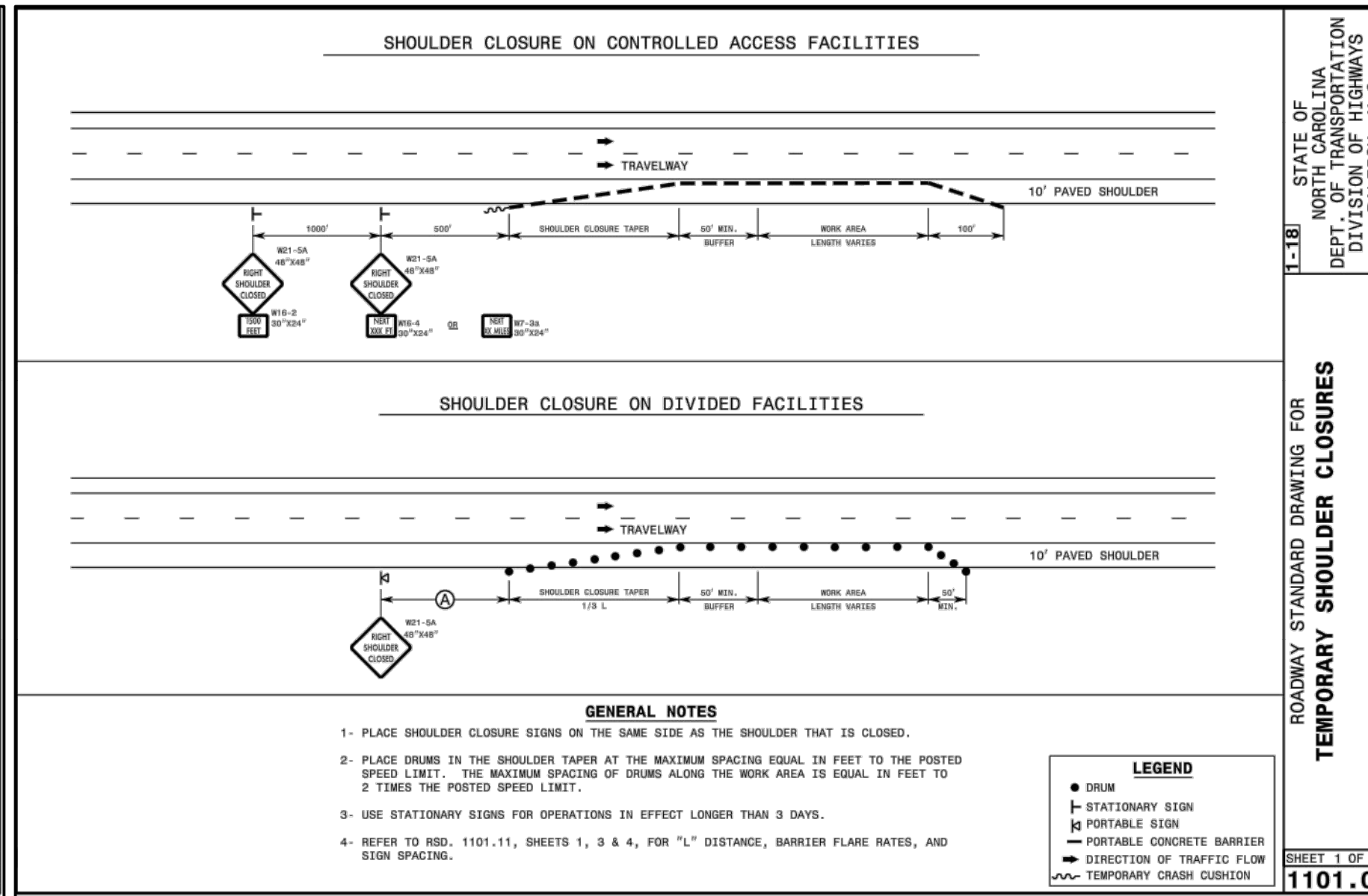
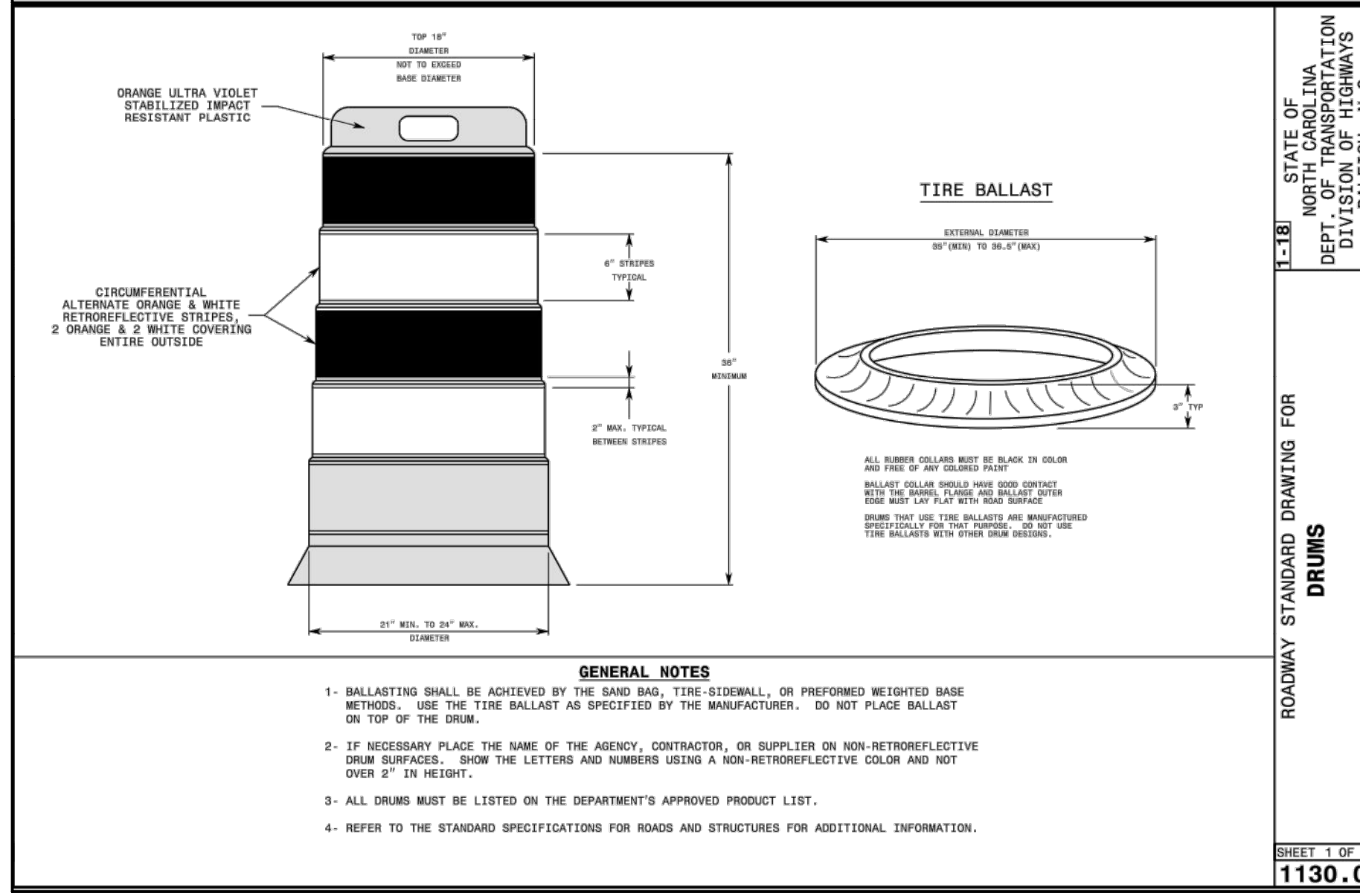
**ROADWAY STANDARD DRAWING FOR
TRAFFIC CONTROL DESIGN TABLES
BUFFER SPACE & SIGHT DISTANCE**

DESIGN SPEED (MPH)	MINIMUM STOPPING SIGHT DISTANCE (FEET)	MINIMUM PASSING SIGHT DISTANCE (FEET)	MINIMUM LONGITUDINAL BUFFER SPACE (FEET)
30	200	1090	85
35	208	1180	100
40	216	1270	115
45	224	1360	130
50	232	1450	145
55	240	1540	160
60	248	1630	175
65	256	1720	190
70	264	1810	205
75	272	1900	220
80	280	1990	235

GENERAL NOTES

- TABLES ARE BASED ON THE AASHTO GREEN BOOK "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". MINIMUM SIGHT DISTANCE VALUES ARE FOR PASSENGER CAR VEHICLES ON MET AND LEVEL ROADWAYS. CONSULT THE AASHTO GREEN BOOK TO MAKE FINAL DETERMINATION OF STOPPING SIGHT DISTANCE REQUIREMENTS.
- BUFFER SPACE TABLE IS BASED ON THE BRAKING DISTANCE PORTION OF STOPPING SIGHT DISTANCE FOR WET AND LEVEL PAVEMENTS.
- USE OF STOPPING SIGHT DISTANCE IN TRAFFIC CONTROL PLAN APPLICATIONS INCLUDES PROVIDING SIGHT DISTANCE FOR TRAFFIC APPROACHING A LANE CLOSURE. PROVIDE 2-LANE, 2-WAY ROADWAYS STOPPING SIGHT DISTANCE TO THE FLAGGER. FOR LANE CLOSURES ON MULTILANE ROADWAYS PROVIDE STOPPING SIGHT DISTANCE TO THE BEGINNING OF THE LANE CLOSURE MERGE TAPER, OR FLAGGING ARROW BOARD. EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED.
- USE OF MINIMUM PASSING SIGHT DISTANCE TABLE IN TRAFFIC CONTROL PLAN APPLICATIONS INCLUDES PROVIDING SIGHT DISTANCE REQUIREMENTS FOR PLACEMENT OF PASSENGER PASSENGER PASSING/NO-PASSING ZONES FOR 2-LANE, 2-WAY ROADWAYS.

**SHEET 2 OF 4
1101.11**



**STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.**

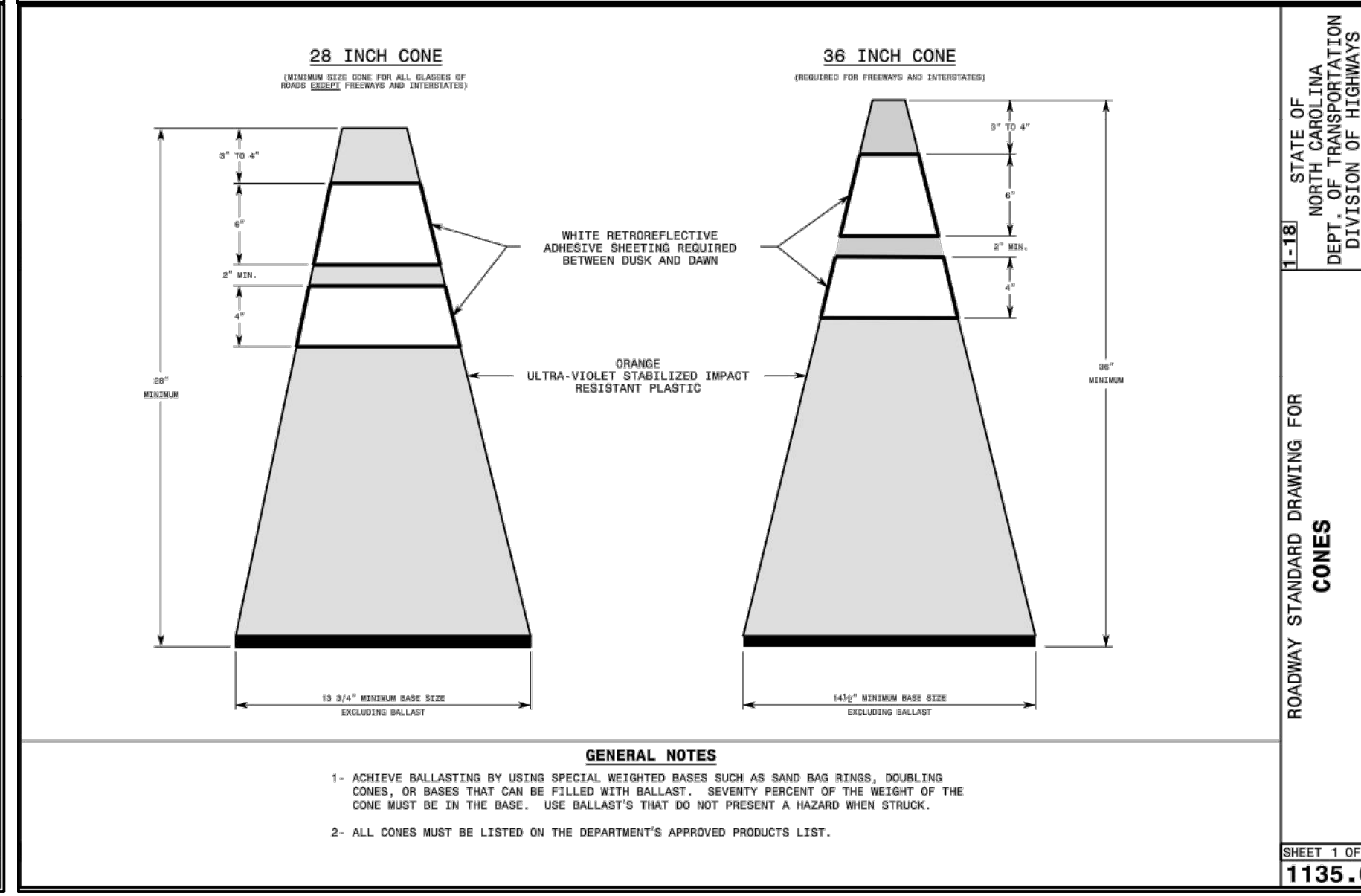
**ROADWAY STANDARD DRAWING FOR
TRAFFIC CONTROL DESIGN TABLES
TEMPORARY BARRIER FLARE RATES**

POSTED SPEED LIMIT (MPH)	UNANCHORED (A:B)	ANCHORED (A:B)
≤ 30	7 : 1	8 : 1
35	8 : 1	9 : 1
40	8 : 1	10 : 1
45	10 : 1	12 : 1
50	11 : 1	14 : 1
55	12 : 1	16 : 1
60	14 : 1	18 : 1
65	15 : 1	19 : 1
70	15 : 1	20 : 1

GENERAL NOTES

- REFER TO THE 2011 ROADSIDE DESIGN GUIDE OR THE LATEST EDITION.
- A BARRIER IS CONSIDERED FLARED WHEN IT IS NOT PARALLEL TO THE EDGE OF THE TRAVELWAY.

**SHEET 3 OF 4
1101.11**



**STATE OF NORTH CAROLINA
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**ROADWAY STANDARD DRAWING FOR
TRAFFIC CONTROL DESIGN TABLES
"L" DISTANCE AND CHANNELIZING DEVICE TAPER CRITERIA**

**SHEET 1 OF 4
1101.11**

EXAMPLE OF "L" & "W" DESIGNATIONS

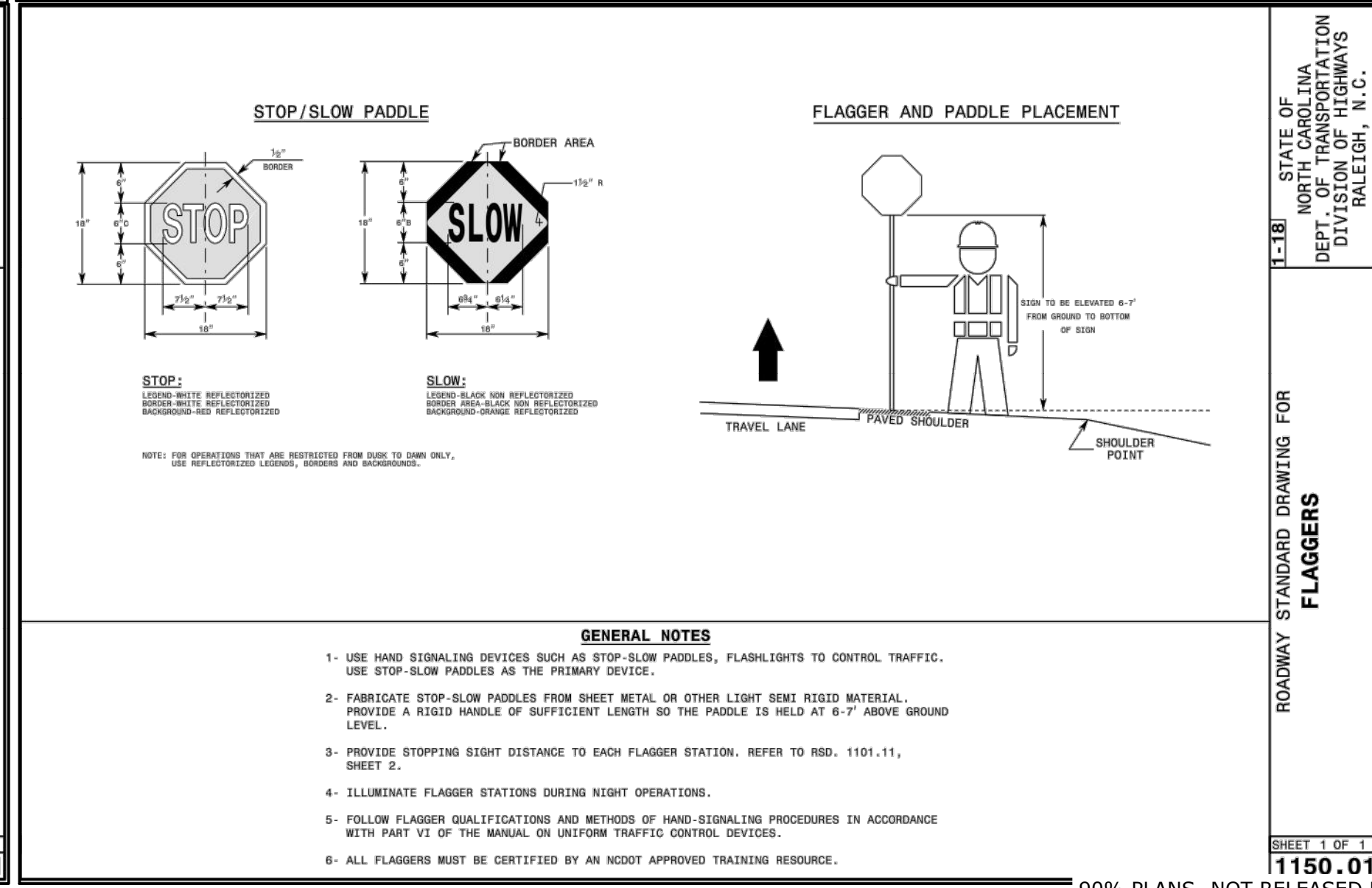
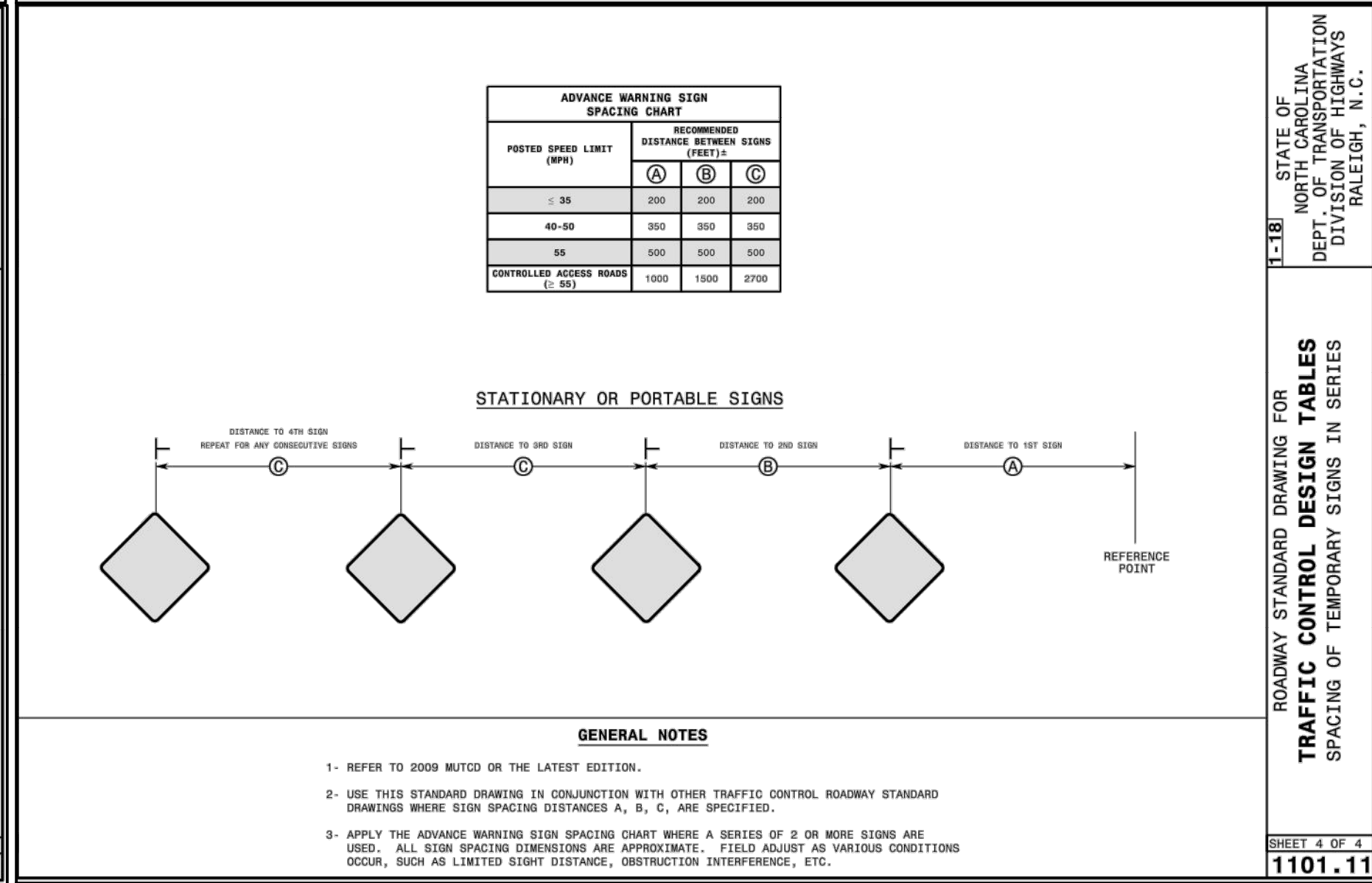
QUICK REFERENCE - "L" DISTANCE TABLE

POSTED SPEED (MPH)	MINIMUM LONGITUDINAL DISTANCE "L" (FEET) (SHOULDER WIDTH "W" (FEET))											
	1	2	3	4	5	6	7	8	9	10	11	12
20	10	15	20	25	30	35	40	50	55	60	70	80
25	15	20	25	30	35	40	45	55	60	65	75	85
30	20	25	30	35	40	45	50	60	65	70	80	90
35	25	30	35	40	45	50	55	65	70	75	85	95
40	30	35	40	45	50	55	60	70	75	80	90	100
45	35	40	45	50	55	60	65	75	80	85	95	105
50	40	45	50	55	60	65	70	80	85	90	100	110
55	45	50	55	60	65	70	75	85	90	95	105	115
60	50	55	60	65	70	75	80	90	95	100	110	120
65	55	60	65	70	75	80	85	95	100	105	115	125
70	60	65	70	75	80	85	90	100	105	110	120	130

GENERAL NOTES

- TABLE FOR "L" DISTANCE IS BASED ON CHANNELIZING TAPER FORMULA FROM THE MUTCD. WHERE:
 $L = \frac{V^2}{2a}$
 $V =$ POSTED SPEED LIMIT, OR OFF-PEAK 85 PERCENTILE SPEED IN MPH PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH
 $a =$ MINIMUM TAPER LENGTH IN FEET (LONGITUDINAL DISTANCE)
 $W =$ WIDTH OF OFFSET IN FEET (LATERAL DISTANCE)
- "L" DISTANCE IS FOR APPLICATION WITH CHANNELIZING DEVICE AND PAVEMENT MARKING TAPERS AND TRANSITIONS. CHANNELIZING DEVICES INCLUDE DRUMS, CONES, TUBULAR MARKERS, BARRICADES, RAISED ASPHALT ISLANDS, AND VERTICAL PANELS.

**SHEET 4 OF 4
1101.11**



90% PLANS - NOT RELEASED FOR CONSTRUCTION

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REVISIONS

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GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD

TRANSPORTATION MANAGEMENT PLAN

PLAN INFORMATION

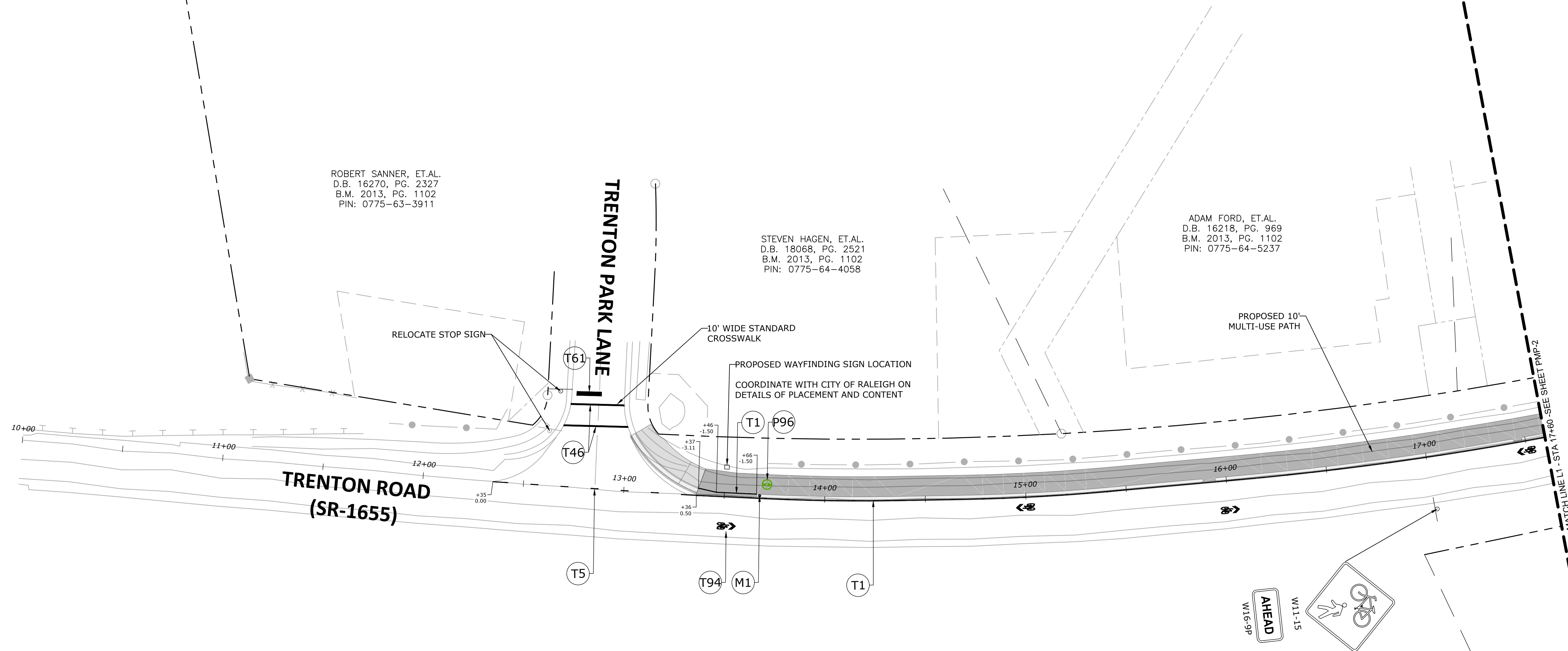
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FILENAME 2020110233_TM1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE NTS
DATE 03/15/2022



ROBERT SANNER, ET.AL.
D.B. 16270, PG. 2327
B.M. 2013, PG. 1102
PIN: 0775-63-3911

STEVEN HAGEN, ET.AL.
D.B. 18068, PG. 2521
B.M. 2013, PG. 1102
PIN: 0775-64-4058

ADAM FORD, ET.AL.
D.B. 16218, PG. 969
B.M. 2013, PG. 1102
PIN: 0775-64-5237



PAVEMENT MARKING AND SIGNING NOTES

- SEE GENERAL NOTES SHEET 1A FOR LIST OF RELEVANT ROADWAY STANDARD DRAWINGS.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC EXCEPT AS NOTED.
- CONTRACTOR SHALL TIE PROPOSED MARKINGS TO EXISTING MARKINGS.
- CONTRACTOR SHALL MILL ANY EXISTING MARKINGS AND/OR SYMBOLS IN CONFLICT WITH PROPOSED. DO NOT PLACE PAVEMENT MARKINGS WITHIN CROSSWALKS EXCEPT AS NOTED.
- RETAIN ALL OTHER EXISTING SIGNS NOT SHOWN ON SIGNING PLAN UNLESS OTHERWISE DIRECTED BY CITY.
- WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.

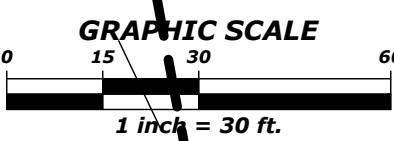
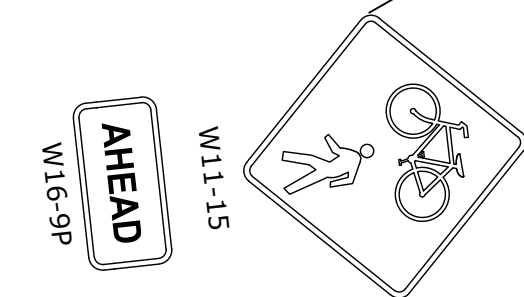
PAVEMENT MARKING LINES & SYMBOLS

- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
- T2 - WHITE SOLID LANE LINE (4", 90 MIL) - THERMOPLASTIC
- T5 - 2FT.-6FT./SP WHITE MINISKIP (4", 90 MIL) - THERMOPLASTIC
- T13 - YELLOW DOUBLE CENTER LINE (4", 90 MIL) - THERMOPLASTIC
- T46 - WHITE CROSSWALK LINE (8", 90 MIL) - THERMOPLASTIC
- T61 - WHITE STOPBAR (24", 90 MIL) - THERMOPLASTIC
- T62 - WHITE CROSSWALK LINE (24", 90 MIL) - THERMOPLASTIC
- T94 - SHARROW, HEATED-IN-PLACE (90 MIL) - THERMOPLASTIC (SEE CITY STANDARD B-10.05 FOR DETAIL)
- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)

STATE OF NORTH CAROLINA
B.M. 1959, PG. 187
PIN: 0775-93-1832



90% PLANS - NOT RELEASED FOR CONSTRUCTION

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TRENTON ROAD CONNECTOR

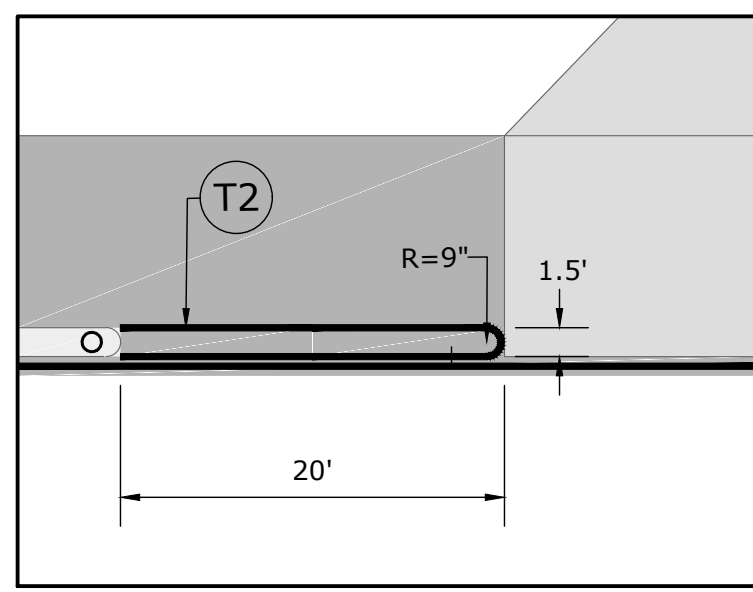
TRENTON PARK LANE TO REEDY CREEK RD

PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION

PROJECT NO. 2020110233
FILENAME 2020110233_PM1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

PMP-1



BUFFER PAVEMENT MARKING DETAIL AT DRIVEWAYS

JOHN NICKELS, ET.AL.
D.B. 16202, PG. 187
B.M. 2013, PG. 1102
PIN: 0775-64-6408

JULIA HERRING
D.B. 7410, PG. 183
B.M. 1966, PG. 29
PIN: 0775-64-4791

SHIRLEY TURBIVILLE
D.B. 2892, PG. 154
B.M. 2002, PG. 1627
PIN: 0775-64-0847

MICHAEL OGBURN, ET.AL.
D.B. 3622, PG. 493
B.M. 1984, PG. 1626
PIN: 0775-64-8374

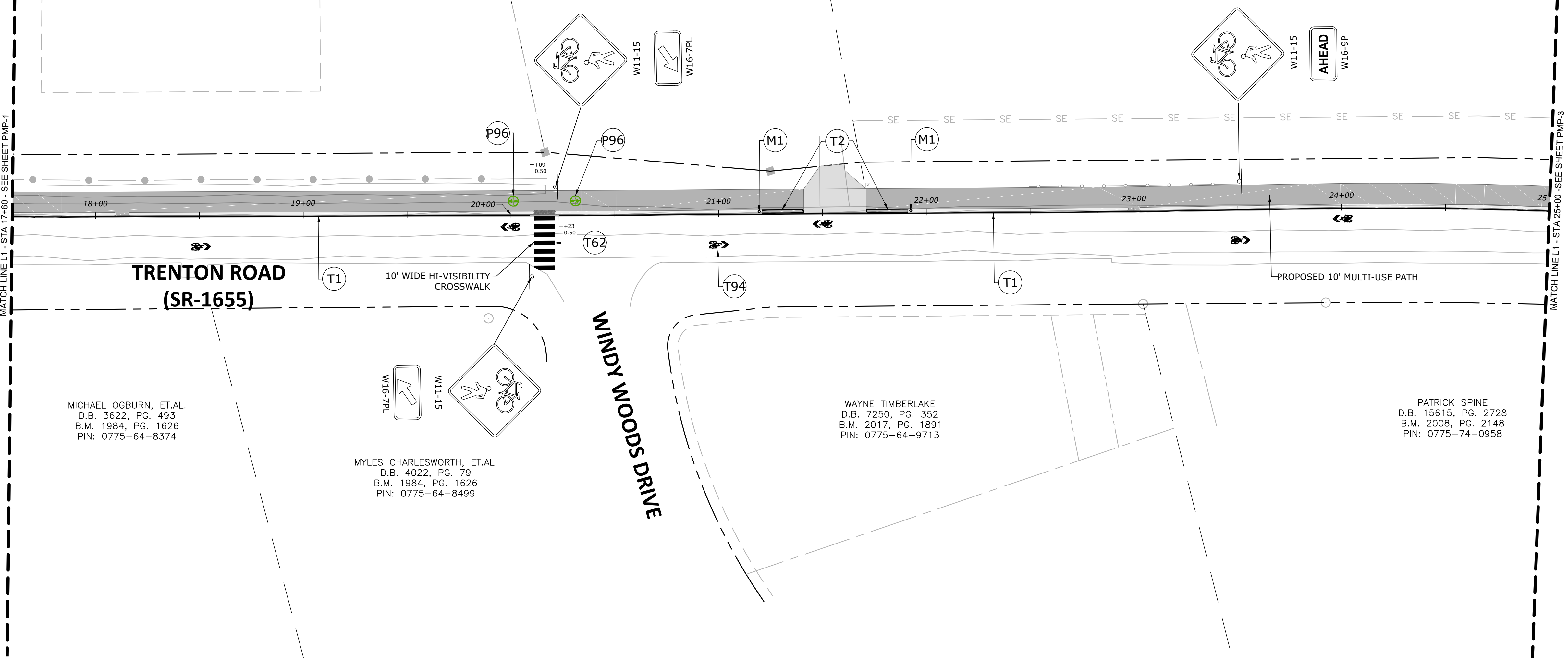
MYLES CHARLESWORTH, ET.AL.
D.B. 4022, PG. 79
B.M. 1984, PG. 1626
PIN: 0775-64-8499

WAYNE TIMBERLAKE
D.B. 7250, PG. 352
B.M. 2017, PG. 1891
PIN: 0775-64-9713

PATRICK SPINE
D.B. 15615, PG. 2728
B.M. 2008, PG. 2148
PIN: 0775-74-0958

MATCH LINE L1 - STA 17+60 - SEE SHEET PMP-1

MATCH LINE L1 - STA 25+00 - SEE SHEET PMP-3

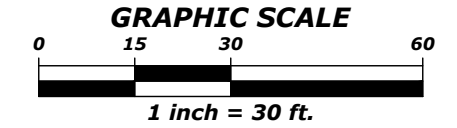


PAVEMENT MARKING LINES & SYMBOLS

- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
- T2 - WHITE SOLID LANE LINE (4", 90 MIL) - THERMOPLASTIC
- T5 - 2FT.-6FT./SP WHITE MINISKIP (4", 90 MIL) - THERMOPLASTIC
- T13 - YELLOW DOUBLE CENTER LINE (4", 90 MIL) - THERMOPLASTIC
- T46 - WHITE CROSSWALK LINE (8", 90 MIL) - THERMOPLASTIC
- T61 - WHITE STOPBAR (24", 90 MIL) - THERMOPLASTIC
- T62 - WHITE CROSSWALK LINE (24", 90 MIL) - THERMOPLASTIC
- T94 - SHARROW, HEATED-IN-PLACE (90 MIL) - THERMOPLASTIC (SEE CITY STANDARD B-10.05 FOR DETAIL)
- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



90% PLANS - NOT RELEASED FOR CONSTRUCTION

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REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

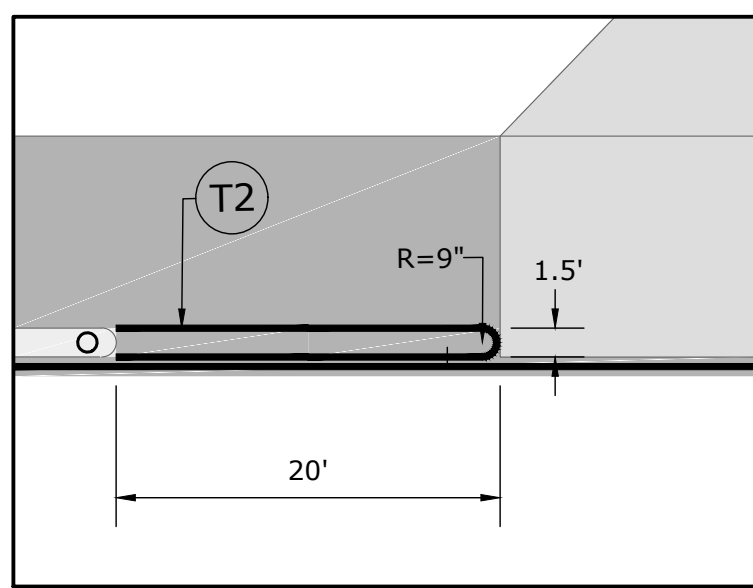
PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_PMP1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

PMP-2



NC-GRID-(NAD83)



BUFFER PAVEMENT MARKING DETAIL AT DRIVEWAYS

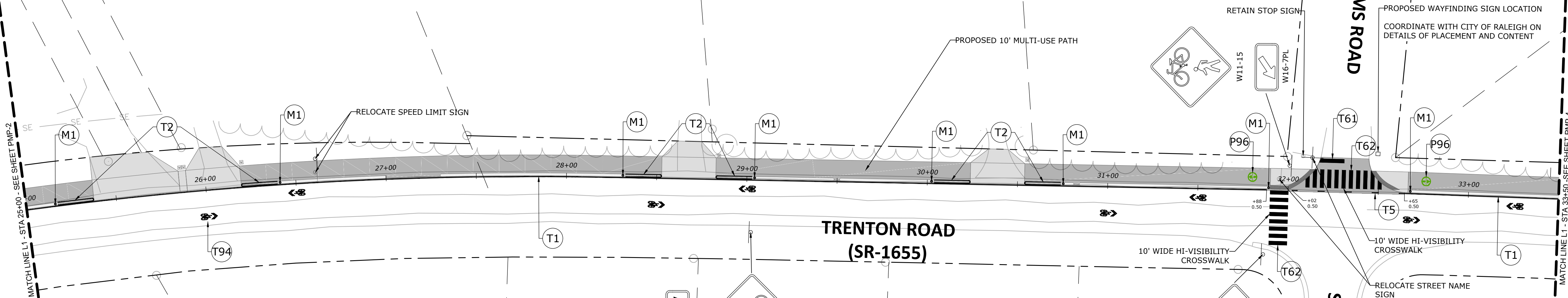
LESLEY COE, ET.AL.
D.B. 16250, PG. 2361
PIN: 0775-65-8203

DOUGLAS SLAGEL, ET.AL.
D.B. 5529, PG. 609
B.M. 1979, PG. 971
PIN: 0775-65-8359

TOMMY OATES, ET.AL.
D.B. 3530, PG. 602
B.M. 1979, PG. 971
PIN: 0775-65-9535

JEAN SPOONER, ET.AL.
D.B. 7090, PG. 468
B.M. 1979, PG. 971
PIN: 0775-75-0649

JAMES SOLDIN, ET.AL.
D.B. 17775, PG. 1067
B.M. 1983, PG. 89
PIN: 0775-75-1901



TRENTON ROAD (SR-1655)

TRINITY FARMS ROAD

SILENT STREAM COURT

RANI BRITTO, ET.AL.
D.B. 15554, PG. 1830
B.M. 2008, PG. 2148
PIN: 0775-75-0197

RICHARD STOCK, ET.AL.
D.B. 15736, PG. 145
B.M. 2008, PG. 2148
PIN: 0775-75-1268

MARK PATERNI, ET.AL.
D.B. 15295, PG. 2676
B.M. 2008, PG. 2148
PIN: 0775-75-2317

RANDOLPH SCOTT, ET.AL.
D.B. 16868, PG. 1882
B.M. 2008, PG. 2148
PIN: 0775-75-2466

NANCY WU
D.B. 15514, PG. 1451
B.M. 2008, PG. 2148
PIN: 0775-75-3526

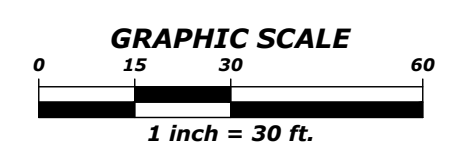
MATTHEW SCIBIENSKI, ET.AL.
D.B. 15486, PG. 304
B.M. 2008, PG. 2148
PIN: 0775-75-4700

PAVEMENT MARKING LINES & SYMBOLS

- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
- T2 - WHITE SOLID LANE LINE (4", 90 MIL) - THERMOPLASTIC
- T5 - 2FT.-6FT./SP WHITE MINISKIP (4", 90 MIL) - THERMOPLASTIC
- T13 - YELLOW DOUBLE CENTER LINE (4", 90 MIL) - THERMOPLASTIC
- T46 - WHITE CROSSWALK LINE (8", 90 MIL) - THERMOPLASTIC
- T61 - WHITE STOPBAR (24", 90 MIL) - THERMOPLASTIC
- T62 - WHITE CROSSWALK LINE (24", 90 MIL) - THERMOPLASTIC
- T94 - SHARROW, HEATED-IN-PLACE (90 MIL) - THERMOPLASTIC (SEE CITY STANDARD B-10.05 FOR DETAIL)
- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



90% PLANS - NOT RELEASED FOR CONSTRUCTION

X:\Projects\RAL\2020110233_00 City of Raleigh - Trenton Streets\04-Production\Engineering\Current Drawings\2020110233_PM1.dwg, 3/15/2022 10:55:15 AM, Jimmy Freshwood



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fax 919. 361. 2269
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RESOURCES
RALEIGH MUNICIPAL BUILDING
222 W. HARGETT STREET
SUITE 600
RALEIGH, NC 27601
919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION *PRELIMINARY NOT FOR CONSTRUCTION*

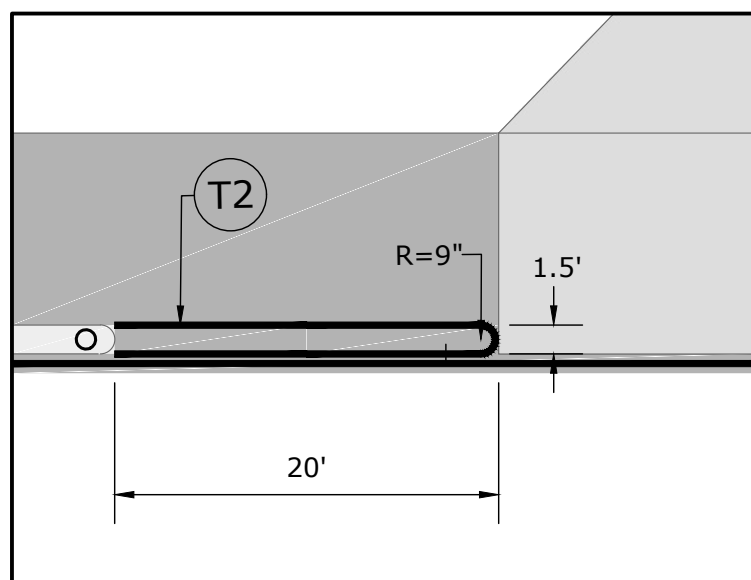
TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_PM1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

PMP-3



NC-GRID-(NAD83)



BUFFER PAVEMENT MARKING DETAIL AT DRIVEWAYS

KATHLEEN RHONEY, ET.AL.
D.B. 12780, PG. 1394
B.M. 1983, PG. 89
PIN: 0775-75-2961

KENNETH GARRARD
D.B. 9396, PG. 2442
B.M. 1983, PG. 89
PIN: 0775-76-3025

SANDRA STRONG
D.B. 16877, PG. 2326
B.M. 1983, PG. 89
PIN: 0775-76-4125

NANCY KRAEMER, ET.AL.
D.B. 17024, PG. 687
B.M. 2006, PG. 319
PIN: 0775-76-5208

MARK JANAS, ET.AL.
D.B. 13120, PG. 395
B.M. 2006, PG. 319
PIN: 0775-76-6347

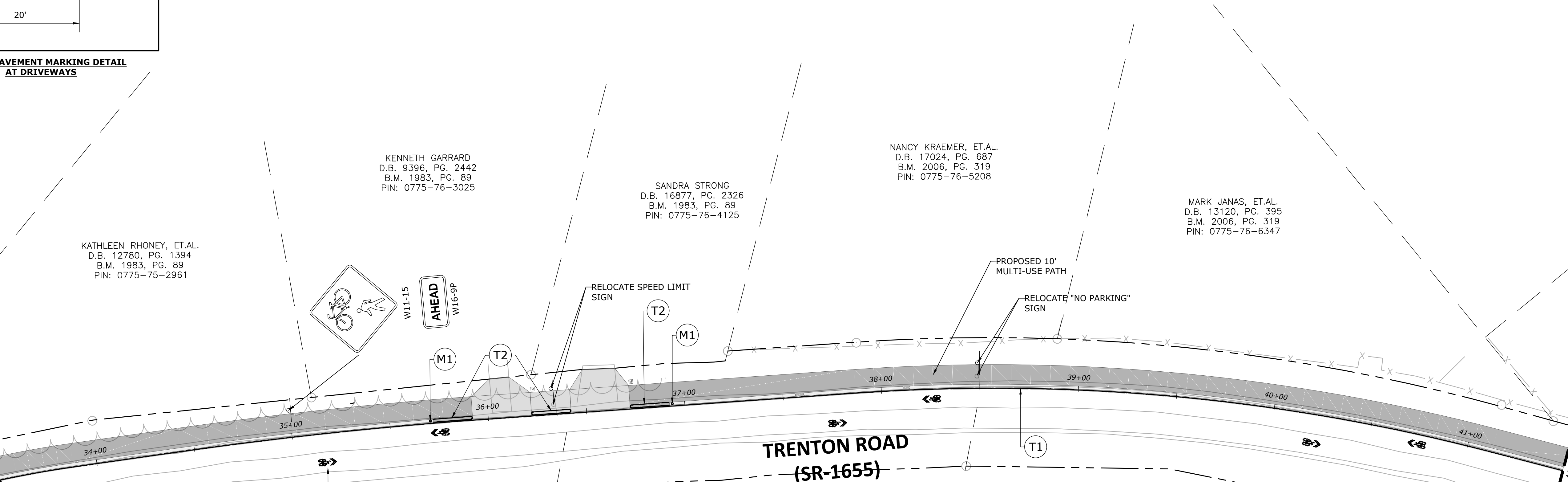
JOHN COLVARD, ET.AL.
D.B. 17052, PG. 1882
PIN: 0775-76-6024

JOHN COLVARD
D.B. 15323, PG. 2529
PIN: 0775-75-8961

JOHN SCARFUTTI, ET.AL.
D.B. 15207, PG. 1774
B.M. 2008, PG. 2148
PIN: 0775-75-4854

MATCH LINE L1 - STA 33+50 - SEE SHEET PMP-3

MATCH LINE L1 - STA 41+50 - SEE SHEET PMP-5

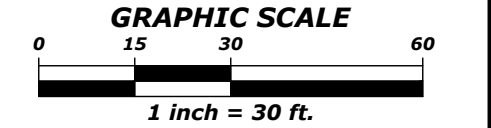


PAVEMENT MARKING LINES & SYMBOLS

- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
- T2 - WHITE SOLID LANE LINE (4", 90 MIL) - THERMOPLASTIC
- T5 - 2FT.-6FT./SP WHITE MINISKIP (4", 90 MIL) - THERMOPLASTIC
- T13 - YELLOW DOUBLE CENTER LINE (4", 90 MIL) - THERMOPLASTIC
- T46 - WHITE CROSSWALK LINE (8", 90 MIL) - THERMOPLASTIC
- T61 - WHITE STOPBAR (24", 90 MIL) - THERMOPLASTIC
- T62 - WHITE CROSSWALK LINE (24", 90 MIL) - THERMOPLASTIC
- T94 - SHARROW, HEATED-IN-PLACE (90 MIL) - THERMOPLASTIC (SEE CITY STANDARD B-10.05 FOR DETAIL)
- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



90% PLANS - NOT RELEASED FOR CONSTRUCTION

X:\Projects\RAL\2020110233\00 City of Raleigh - Trenton Sidewalks\04-Production\Engineering\Current Drawings\2020110233_PM1.dwg, 3/15/2022 10:55:31 AM, Jimmy Freshwood



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919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS
NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION
PRELIMINARY NOT FOR CONSTRUCTION

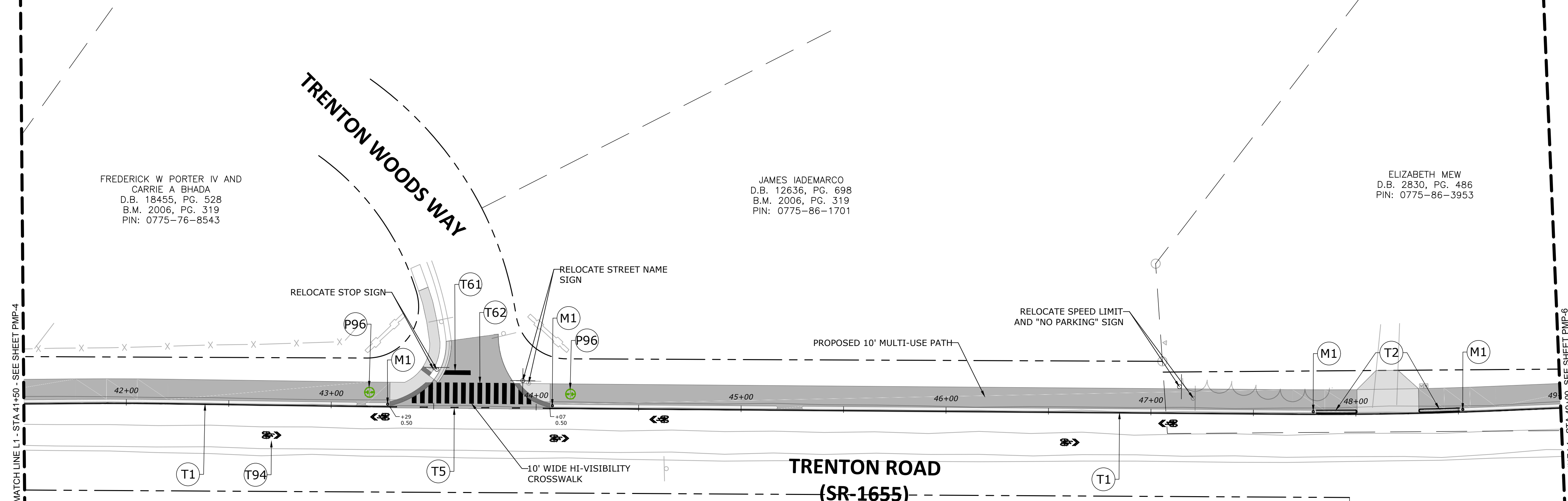
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_PM1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

PMP-4



FREDERICK W PORTER IV AND
CARRIE A BHADA
D.B. 18455, PG. 528
B.M. 2006, PG. 319
PIN: 0775-76-8543

JAMES IADEMARCO
D.B. 12636, PG. 698
B.M. 2006, PG. 319
PIN: 0775-86-1701

ELIZABETH MEW
D.B. 2830, PG. 486
PIN: 0775-86-3953

WALTON FARM, LLC.
D.B. 16890, PG. 1410
B.M. 2013, PG. 1200
PIN: 0775-86-2340

SCOTT BAKER, ET.AL.
D.B. 15225, PG. 2065
B.M. 2006, PG. 1177
PIN: 0775-86-4780

MATCH LINE L1 - STA 41+50 - SEE SHEET PMP-4

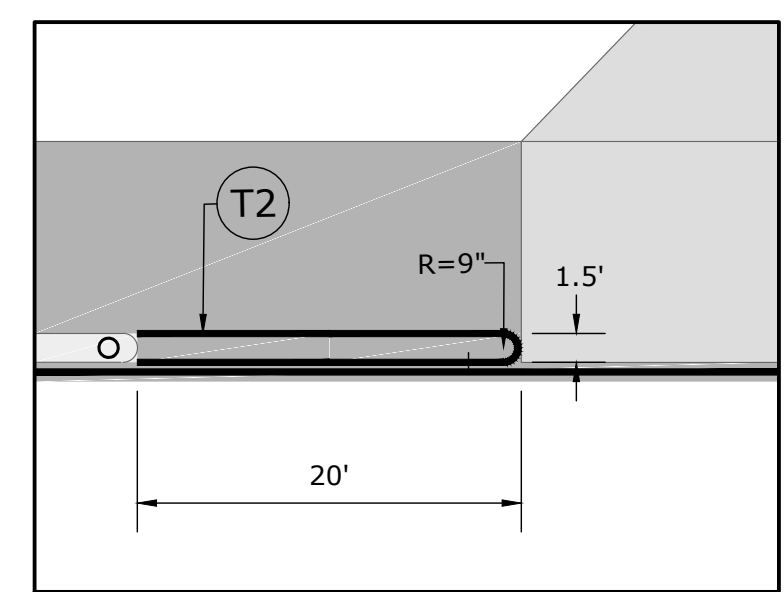
MATCH LINE L1 - STA 49+00 - SEE SHEET PMP-6

PAVEMENT MARKING LINES & SYMBOLS

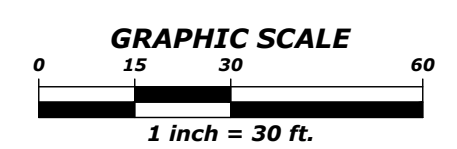
- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
- T2 - WHITE SOLID LANE LINE (4", 90 MIL) - THERMOPLASTIC
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- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



BUFFER PAVEMENT MARKING DETAIL AT DRIVEWAYS



90% PLANS - NOT RELEASED FOR CONSTRUCTION

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REVISIONS

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GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

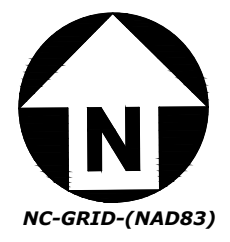
TRENTON PARK LANE TO REEDY CREEK RD

PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION

PROJECT NO.	2020110233
FILENAME	2020110233_PM1.dwg
CHECKED BY	GDB
DRAWN BY	JP, ED
SCALE	1" = 30'
DATE	03/15/2022

PMP-5



ELIZABETH MEW
D.B. 2830, PG. 486
PIN: 0775-86-3953

PROPOSED WAYFINDING SIGN LOCATION
COORDINATE WITH CITY OF RALEIGH ON
DETAILS OF PLACEMENT AND CONTENT

REMOVE & RESET W1-6R SIGN
IN CONCRETE ISLAND

PROPOSED 10' MULTI-USE PATH

RELOCATE SIGN

TRENTON ROAD
(SR-1655)

REEDY CREEK ROAD

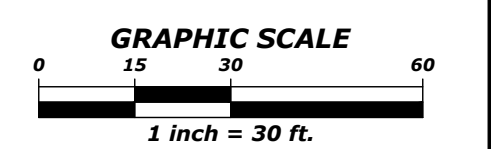
WILLIAM FLEDERBACH, ET.AL.
D.B. 15510, PG. 2615
B.M. 2006, PG. 1177
PIN: 0775-86-5796

PAVEMENT MARKING LINES & SYMBOLS

- T1 - WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
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- P96 - SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS

- M1 - TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



90% PLANS - NOT RELEASED FOR CONSTRUCTION

X:\Projects\RAL\2020110233\00 City of Raleigh - Trenton Sidewalks\04-Production\Engineering\Current Drawings\2020110233_PM1.dwg, 3/15/2022 10:56:13 AM, Jimmy Freshwood



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CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS

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GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

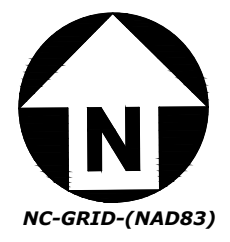
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

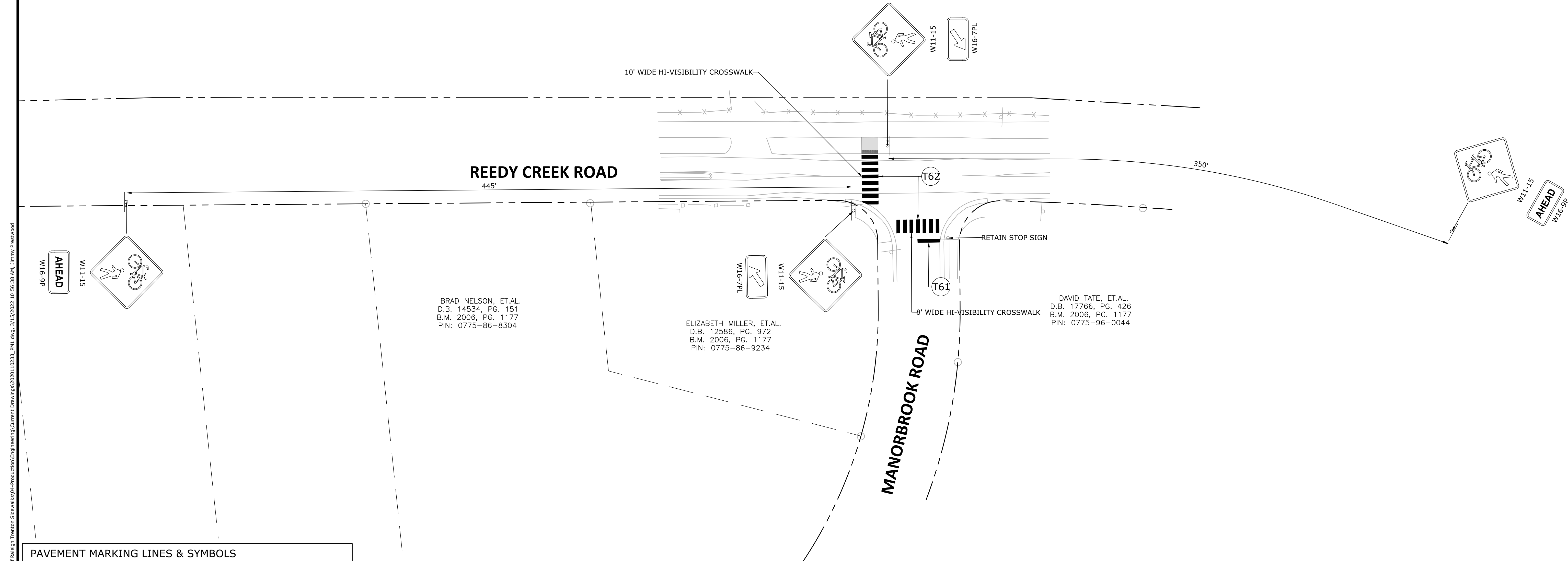
PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_PM1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

PMP-6



X:\Projects\RAL\2020110233.dwg City of Raleigh - Trenton Sidewalks\04-Production\Engineering\Current Drawings\2020110233_PM1.dwg, 3/15/2022 10:56:38 AM, Jimmy Freshwood



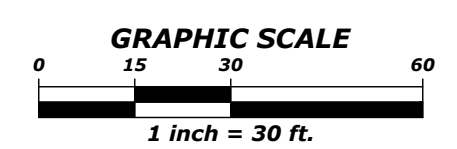
BRAD NELSON, ET.AL.
 D.B. 14534, PG. 151
 B.M. 2006, PG. 1177
 PIN: 0775-86-8304

ELIZABETH MILLER, ET.AL.
 D.B. 12586, PG. 972
 B.M. 2006, PG. 1177
 PIN: 0775-86-9234

DAVID TATE, ET.AL.
 D.B. 17766, PG. 426
 B.M. 2006, PG. 1177
 PIN: 0775-96-0044

PAVEMENT MARKING LINES & SYMBOLS	
T1	- WHITE EDGE LINE (4", 90 MIL) - THERMOPLASTIC
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T94	- SHARROW, HEATED-IN-PLACE (90 MIL) - THERMOPLASTIC (SEE CITY STANDARD B-10.05 FOR DETAIL)
P96	- SHARED PATH SYMBOL - PAINT (SEE SHEET 2B-1 FOR DETAIL)

PAVEMENT MARKERS	
M1	- TUBULAR MARKER WHITE (NCDOT STD. 1266.01)



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 DAVID BENDER, PROJECT MANAGER

REVISIONS	
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GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

PAVEMENT MARKING & SIGNAGE PLANS

PLAN INFORMATION	
PROJECT NO.	2020110233
FILENAME	2020110233_PM1.dwg
CHECKED BY	GDB
DRAWN BY	JP, ED
SCALE	1" = 30'
DATE	03/15/2022

PMP-7

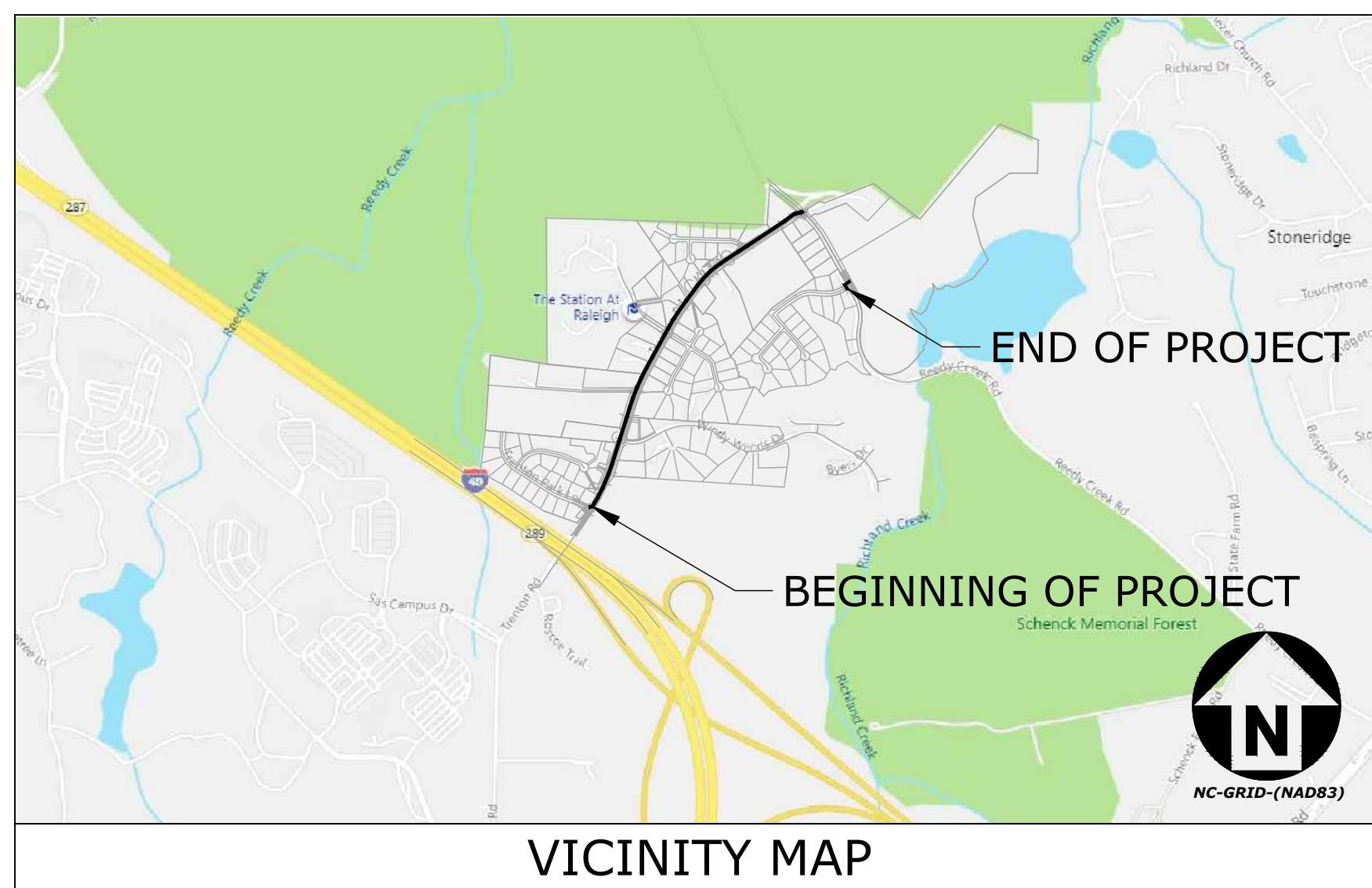
**RALEIGH, WAKE COUNTY
NORTH CAROLINA**

TRENTON ROAD CONNECTOR

EROSION CONTROL PLANS

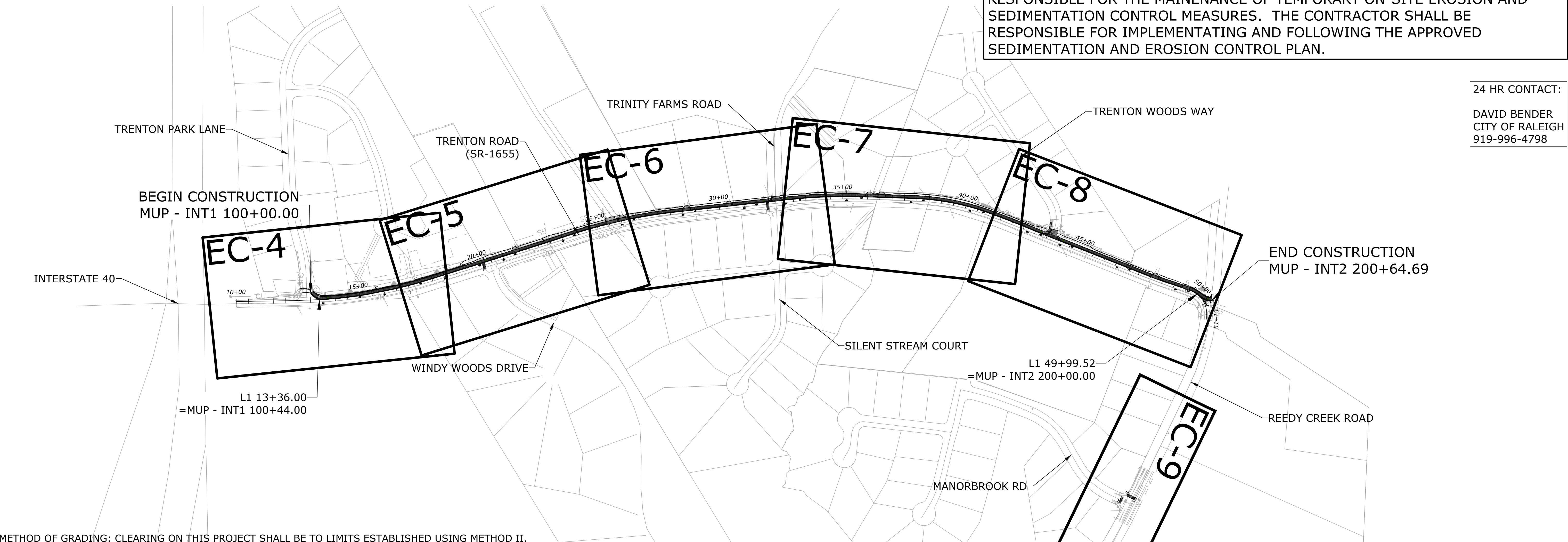
INDEX OF SHEETS

SHEET NO.	SHEET TITLE
EC-1	COVER SHEET
EC-2A THRU EC-2B	NOTES
EC-3A THRU EC-3B	DETAILS
EC-4 THRU EC-9	PLANS



MAINTENANCE PLAN:
 QUALIFIED PERSONNEL SHALL EVALUATE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL PRACTICES ON A DAILY BASIS FOR STABILITY AND OPERATION. WEEKLY INSPECTIONS SHALL BE PERFORMED AND WRITTEN LOGS KEPT. A RAIN GAUGE SHALL ALSO BE KEPT ON SITE AND RAINFALL AMOUNTS RECORDED. ANY REQUIRED REPAIRS SHALL BE PERFORMED IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TEMPORARY ON-SITE EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATING AND FOLLOWING THE APPROVED SEDIMENTATION AND EROSION CONTROL PLAN.

24 HR CONTACT:
 DAVID BENDER
 CITY OF RALEIGH
 919-996-4798



METHOD OF GRADING: CLEARING ON THIS PROJECT SHALL BE TO LIMITS ESTABLISHED USING METHOD II.

PROJECT LENGTH	DESIGN DATA	GRAPHIC SCALES		
TOTAL LENGTH OF PROJECT = 0.71 MILES	DESIGN SPEED = 20 MPH LEAN ANGLE = 20 DEGREES FUNC. CLASSIFICATION = TRANSPORTATION	 HORIZONTAL	 PROFILE (HORIZONTAL)	 PROFILE (VERTICAL)

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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 DAVID BENDER, PROJECT MANAGER

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GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR
 TRENTON PARK LANE TO REEDY CREEK RD

COVER SHEET

PLAN INFORMATION

PROJECT NO. 2020110233
 FILENAME 2020110233_EC2.dwg
 CHECKED BY GDB
 DRAWN BY JP, ED
 SCALE 1" = 200'
 DATE 03/15/2022

EC-1

GENERAL NOTES:

1. SURVEY PERFORMED BY MCADAMS DATED: JUNE 2021
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
3. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, CONSTRUCTION FENCE OR TREE PROTECTION FENCING (IF APPLICABLE) SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
4. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING, OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
5. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
6. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF NC811. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
7. EXISTING UTILITIES AND STRUCTURES, SHOWN BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS, BOTH HORIZONTAL AND VERTICAL, PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
8. CONTRACTOR SHALL ROOT SPADE WITHIN ALL TREE DRILINES AND TAKE ALL PRECAUTIONS NECESSARY TO SAVE TREES NOT SHOWN TO BE DEMOLISHED.
9. ALL GROUND COVER SHALL BE APPLIED PER CONDITIONS OF THE NPDES PERMIT OR IN CRITICAL AREAS AT THE END OF EACH DAY.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY THE ENGINEERING OF ANY CONFLICTS/DISCREPANCIES.
2. NEW EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AS SHOWN ON PLANS AND INSPECTED PRIOR TO ANY GRADING OR DEMOLITION ON SITE. MAINTENANCE AND REPAIR SHALL BE MADE, AS NECESSARY, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CALL FOR AN INSPECTION ONCE INITIAL MEASURES ARE IN PLACE.
3. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
4. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
5. INSTALL A RAIN GAUGE (6" CAPACITY OR GREATER) ONSITE.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL UPSLOPE DRAINAGE AREAS HAVE BEEN STABILIZED AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.
7. CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED. ANY DEWATERING ASSOCIATED WITH THIS PROJECT IS TO BE DONE THROUGH A SILT BAG. CONTRACTOR SHALL WORK IN DRY CONDITIONS TO THE MAXIMUM EXTENT POSSIBLE.
8. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE EROSION CONTROL PERMIT AND IS SUBJECT TO A FINE. ANY NEED TO DISTURB BEYOND THE APPROVED PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, ENGINEER AND EROSION CONTROL INSPECTOR.
9. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION-CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL, WITHIN 7 OR 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY GROUND COVER, DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. PERMANENT GROUND COVER WILL BE PROVIDED FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR NO MORE THAN 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE ON THE PLAN. ALL GRADED SLOPES STEEPER THAN 3:1 MUST BE SEEDED & COMPOST LAID WITHIN 7 DAYS OF COMPLETION OF GRADING. ALL REMAINING DISTURBED AREAS ARE TO BE SEEDED AND COMPOST LAID WITHIN 14 DAYS. PERMANENT SWALES ARE TO BE STABILIZED WITHIN 7 DAYS. SEE THE GROUND STABILIZATION CHART FOR ADDITIONAL REQUIREMENTS.
10. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY REPRESENTATIVE OF THE NCDCE DEMLR DEPARTMENT. ADDITIONAL SILT FENCE OUTLETS AT LOW AREAS MAY BE INSTALLED BY CONTRACTOR AS REQUIRED. E&S MEASURES ARE TO BE INSTALLED AT ANY AREAS USED FOR CONTRACTOR EQUIPMENT STAGING, MATERIALS LAYDOWN, SPOIL OR WASTE AREA.
11. PROTECTION OF EXISTING VEGETATION (IF APPLICABLE): AT THE START OF GRADING INVOLVING THE STRIPPING OF TOPSOIL OR LOWERING OF EXISTING GRADE AROUND A TREE, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA AND SHALL BE POSTED ON THE PROTECTION FENCE. A PROTECTION FENCE CONSTRUCTED OF MATERIAL RESISTANT TO DEGRADATION BY SUN, WIND, AND MOISTURE FOR THE DURATION OF THE CONSTRUCTION, SHALL BE INSTALLED AT THE SAME TIME AS THE EROSION CONTROL MEASURES AND SHALL BE IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
12. INSTALLATION AND MAINTENANCE OF ALL PROPOSED SEDIMENTATION & EROSION CONTROL MEASURES IS REQUIRED. THE CONTRACTOR MAY BE ALLOWED, WITH PRIOR APPROVAL FROM THE OWNER, TO COORDINATE CHANGES TO THE PLAN WITH THE ON-SITE NCDCEQ DEMLR INSPECTOR AND THE ENGINEER OR THE OWNER'S REPRESENTATIVE.
13. CONTRACTOR WILL FIELD LOCATE SILT FENCE OUTLETS AT LOW POINTS IN SILT FENCE AS REQUIRED TO PROVIDE RELIEF FROM CONCENTRATED FLOWS.
14. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
15. REQUIRED CONSTRUCTION/SAFETY FENCING SHALL BE INSTALLED PRIOR TO BEGINNING LAND DISTURBANCE.
16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP ALL DIRT OFF PAVED ROADS. HEAVY MATS MAY BE USED IN LIEU OF ROCK CONSTRUCTION ENTRANCES AS DETERMINED BY THE ON-SITE INSPECTOR.
17. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP ALL SEDIMENT ON SITE AND ENSURE NO SEDIMENT LEAVES THE LIMITS OF DISTURBANCE OF THE PROJECT. THIS MAY REQUIRE INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES ABOVE AND BEYOND WHAT IS SHOWN ON THE PLANS. IF ENVIRONMENTAL OR SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES, CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM DEP REPRESENTATIVE. EROSION CONTROL MEASURES DAMAGED OR REQUIRED DUE TO CONTRACTOR ACTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION AT NO ADDITIONAL COST TO DEPT.
18. ALL CONSTRUCTION DEBRIS SHALL BE TESTED AND DISPOSED OF OFF-SITE IN A STATE PERMITTED LINED LANDFILL.
19. ALL EARTHEN MATERIAL BROUGHT TO OR REMOVED FROM THE PROJECT SITE SHALL COME FROM OR BE DELIVERED TO A SITE THAT HAS A CURRENT EROSION AND SEDIMENTATION CONTROL PLAN.

MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENTATION CONTROL DEVICES WILL BE CHECKED BY THE CONTRACTOR FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY, RELOCATED WHEN AND AS NECESSARY, AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS.
2. MAINTAIN EROSION CONTROL DEVICES AS FOLLOW:
 - TEMPORARY SILT FENCE- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. AVOID UNDERMINING THE FENCE.
 - TEMPORARY CHECK DAM- REMOVE SEDIMENT ACCUMULATION BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION. ADD STONE TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.
 - STORM DRAIN INLET PROTECTION- REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAINFALL.
 - TEMPORARY DIVERSION DITCH- INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND.
3. ALL GRADED AREAS WILL BE SEEDED, FERTILIZED AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE, VEGETATIVE COVER WITHIN FOURTEEN (14) DAYS OF COMPLETION OF ANY PHASE OF GRADING. IF WORK ON THE PROJECT CEASES FOR MORE THAN THE AFOREMENTIONED LENGTH OF TIME, ALL DISTURBED AREAS SHALL HAVE TEMPORARY VEGETATIVE GROUND COVER ESTABLISHED AND EROSION CONTROL DEVICES MAINTAINED.

GRADING:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE NORTH CAROLINA ONE-CALL UTILITIES LOCATION SERVICE AT 1-800-632-4949 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.
2. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OF WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
3. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE.
4. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES SHOWN ON THE APPROVED PLANS FOR THE DURATION OF CONSTRUCTION OR UNTIL FINAL INSPECTION AND APPROVAL.
5. IN ORDER TO ENSURE PROPER DRAINAGE, MAINTAIN A MINIMUM 0.50% SLOPE ON THE CURB.
6. ALL MATERIALS USED FOR FILL OR BACK-FILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS OR ANY OTHER NON-COMPACTABLE SOIL TYPE MATERIAL. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS REFUSE DEBRIS DERIVED FROM ANY SOURCE.
7. ALL CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES. REFER TO THE PAVEMENT CROSS-SECTION DETAILS TO ESTABLISH THE CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS.
8. ALL CONTOURS ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO GROUND BREAKING.
9. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
10. THE LIMITS OF CLEARING SHOWN ON THE GRADING AND EROSION CONTROL PLAN IS BASED ON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS.
11. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
12. COORDINATE ALL CURB AND STREET GRADES AT INTERSECTIONS WITH CITY/TOWN INSPECTORS.
13. ALL DEBRIS FROM CLEARING OPERATIONS SHALL BE DISPOSED OF IN A LEGAL MANNER.
14. HAUL ROADS USED DURING CONSTRUCTION SHALL BE OUTSIDE THE STREAM TOP OF BANK TO THE EXTENT POSSIBLE. HAUL ROADS SHALL FOLLOW THE NATURAL CONTOURS OF THE TERRAIN IF POSSIBLE. A 6" COURSE OF #57 STONE SHALL BE SPREAD OVER HAUL ROADS IN AREAS THAT ARE SUBJECT TO WET CONDITIONS. PROVIDE SUBSURFACE DRAINS IN SEEPAGE AREAS OR SEASONALLY WET AREAS.

SEEDBED PREPARATION:

AREAS TO BE SEEDED TO BE SCARIFIED 4" TO 6" DEEP. A FIRM, WELL PULVERIZED, UNIFORM SEEDBED SHOULD BE PROVIDED. FERTILIZER SHALL BE PLACED DURING SCARIFICATION AS FOLLOWS:

LIME: 45 LBS/1000 SF
PHOSPHOROUS: 20 LBS/1000 SF
FERTILIZER: 17 LBS/1000 SF

PER NORTH CAROLINA SOIL AND SEDIMENTATION LAW, A VEGETATIVE GROUND COVER SUFFICIENT TO PERMANENTLY RESTRAIN EROSION SHALL BE RE-ESTABLISHED WITHIN 21 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.

TEMPORARY SEEDING SCHEDULE:

REFER TO THE CITY STANDARD FOR TEMPORARY SEEDING SCHEDULE.

PERMANENT SEEDING SCHEDULE:

FOR PERMANENT SEEDING SPECIFICATIONS, SEASONAL LIMITATIONS FOR SEEDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, TYPE OF SEED, AND THE RATES OF APPLICATION, REFER TO NCDENR ESCPDM SECTION 6.11 AND THE CITY STANDARDS

CONSTRUCTION SEQUENCE:

THE FOLLOWING SEQUENCE IS FURNISHED AS A GENERAL GUIDE FOR PREPARATION OF A SEQUENCE OF CONSTRUCTION EVENTS. ADDITIONS, DELETIONS, AND MODIFICATIONS SHOULD BE MADE AS APPROPRIATE.

PHASE 1:

1. THE CONTRACTOR SHALL SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH NCDCEMLR EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION AND IS SUBJECT TO FINE.
2. CONTRACTOR TO MAINTAIN ALL EXISTING EROSION CONTROL FEATURES AND INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT BASINS, DIVERSION DITCHES, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
3. SCHEDULE AN ON-SITE INSPECTION BY NCDCEMLR INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
4. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
5. THE CONTRACTOR SHALL NOT BEGIN WORK THAT CANNOT BE STABILIZED BY THE END OF THE WORK DAY.
6. ALL EARTH MOVING EQUIPMENT SHALL BE SERVICED PRIOR TO WORK COMMENCING EACH DAY. EQUIPMENT SHALL BE MAINTAINED TO PREVENT FUEL, OIL, AND LUBRICANT SPILLS IN THE VICINITY OF A STREAM.
7. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.

PHASE 2:

1. BEGIN EARTHWORK/GRADING ACTIVITIES. BEGIN GRADING OF FILL SLOPES. MAINTAIN AND VERTICALLY ADJUST ALL ROCK CHECK DAMS, INLET PROTECTION DEVICES, DITCHES, AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTABILITY OF PROJECT PER TRAFFIC CONTROL PLANS.
AS EARTHWORK ALLOWS, BEGIN INSTALLING STORM DRAINAGE STRUCTURES AND PROPOSED DITCHES. AS STORM DRAINAGE IS INSTALLED, CONTRACTOR SHALL PLACE INLET PROTECTION ON ALL STORM STRUCTURES AND REMOVE INLET PROTECTION WHERE EXISTING STORM DRAINAGE IS REMOVED.
2. DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE STATE INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
3. AS CONSTRUCTION PROGRESSES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH AS RIP RAP APRONS, VELOCITY DISSIPATORS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
4. GRADED SLOPES AND FILLS ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER SUFFICIENT TO RESTRAIN EROSION WITHIN 14 CALENDAR DAYS AFTER THE COMPLETION OF ANY PHASE OF GRADING. ALL AREAS UPON WHICH NO FURTHER LAND DISTURBING ACTIVITY WILL BE UNDERTAKEN ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER WITHIN 21 CALENDAR DAYS.
5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL AND U.S. DEPT. OF AGRICULTURE

PHASE 3:

1. AS AREAS ARE BROUGHT TO FINISHED GRADE, CONTRACTOR TO INSTALL FINAL GRASSING AND STABILIZE ALL SLOPES PER THE EROSION CONTROL NOTES AND DETAILS.
2. CONTRACTOR SHALL COORDINATE WITH THE EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.

NCDOT STANDARDS:

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1631.01	Matting Installation
1632.03	Rock Inlet Sediment Trap Type C
1633.02	Temporary Rock Silt Check Dam Type B
1635.02	Rock Pipe Inlet Sediment Trap Type B

ADDITIONAL NCDOT STANDARDS NOT ON THE LIST ABOVE MAY BE REQUIRED AS PER PLAN DETAILS AND SPECIFICATIONS.

PROJECT DESCRIPTION:


THE PROJECT SITE IS LOCATED IN WAKE COUNTY WITHIN THE CITY OF RALEIGH AND IS WITHIN THE NEUSE RIVER BASIN. THE PROPOSED PROJECT INCLUDES THE CONSTRUCTION OF APPROXIMATELY 0.71 MILES OF NEW MULTI-USE PATH ALONG TRENTON ROAD BETWEEN TRENTON PARK LANE AND REEDY CREEK ROAD. THE LIMITS OF DISTURBANCE WERE CALCULATED BASED ON CLEARING METHOD II AT APPROXIMATELY 2.0 ACRES FOR THIS SITE. ALL DISTURBED AREAS WILL BE STABILIZED WITH VEGETATION BY SEEDING AND MULCHING.

THE PROJECT DESIGN SHALL COMPLY WITH NORTH CAROLINA LAND QUALITY GUIDELINES AND PROCEDURES AND ALL APPLICABLE FEDERAL, STATE, AND TOWN REQUIREMENTS.

TOTAL DISTURBED AREA = ±2.00 AC

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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CLIENT



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SUITE 600
RALEIGH, NC 27601
919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

GENERAL NOTES

PLAN INFORMATION

PROJECT NO. 2020110233
FILENAME 2020110233_EC2.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 200'
DATE 03/15/2022



GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Table with 3 columns: Site Area Description, Stabilize within this many calendar days after ceasing land disturbance, and Timeframe variations.

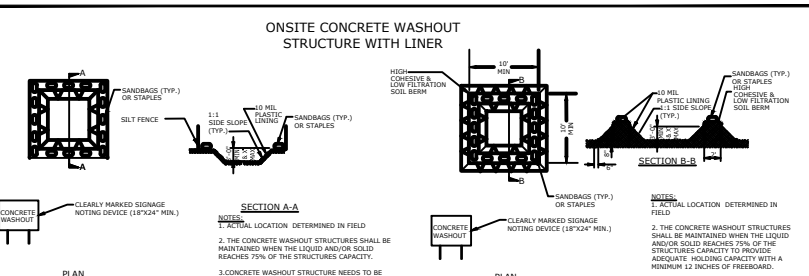
Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable...

GROUND STABILIZATION SPECIFICATION

Table with 2 columns: Temporary Stabilization and Permanent Stabilization, detailing various measures like mulching, erosion control, and ground cover.

- POLYACRYLAMIDES (PAMS) AND FLOCCULANTS
1. Select flocculants that are appropriate for the soils being exposed during construction...

- EQUIPMENT AND VEHICLE MAINTENANCE
1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.



- LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE
1. Never bury or burn waste. Place litter and debris in approved waste containers.

- PAINT AND OTHER LIQUID WASTE
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.

- PORTABLE TOILETS
1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available.

- EARTHEN STOCKPILE MANAGEMENT
1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.

- CONCRETE WASHOUTS
1. Do not discharge concrete or cement slurry from the site.

- HERBICIDES, PESTICIDES AND RODENTICIDES
1. Store and apply herbicides, pesticides and rodenticides in accordance with label directions.

- HAZARDOUS AND TOXIC WASTE
1. Create designated hazardous waste collection areas on-site.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

Table with 3 columns: Inspection ID or Location, Frequency, and Description of Inspection. Includes sections for Erosion Control, Stormwater Discharge, and Sedimentation.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

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PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

Table with 3 columns: Inspection ID or Location, Frequency, and Description of Inspection. Includes sections for Erosion Control, Stormwater Discharge, and Sedimentation.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19

INSPECTION AND MONITORING RECORDS FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000 AND SELF-INSPECTION RECORDS FOR LAND DISTURBING ACTIVITIES PER G.S. 113A-54.1

Form fields for Project Name, Financially Responsible Party (FRP) / Permittee, Inspector Type, and Agent/Designee information.

Table for PART 1A: Rainfall Data with columns for Day / Date, Rain Amt (inches), and Daily Rainfall Required.

Table for PART 1B: Current Phase of Project with columns for Phase of Grading, check the applicable box(es), and X.

PART 1C: Signature of Inspector. By this signature, I certify in accordance with the NCG010000 permit & G.S. 113A-54.1 that this report is accurate and complete to the best of my knowledge.

Table for GROUND STABILIZATION TIMEFRAMES with columns for Site Area Description, Stabilization, and Timeframe Variations.

PART 2A: EROSION AND SEDIMENTATION CONTROL MEASURES: Measures must be inspected at least ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT EQUAL TO OR GREATER THAN 1.0 INCH PER 24 HOUR PERIOD.

Table for Erosion and Sedimentation Control Measures Inspected with columns for Measure ID or Location, Operating Properly?, Any Repair or Maintenance Needed?, and Date Noted as Corrected.

PART 2B: STORMWATER DISCHARGE OUTFALLS (SDOs): SDOs must be inspected at least ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT EQUAL TO OR GREATER THAN 1.0 INCH PER 24 HOUR PERIOD.

Table for Stormwater Discharge Outfalls Inspected with columns for Stormwater Discharge Outfall ID or Location, Any Visible Sedimentation, Any Increase in Stream Turbidity, and Date Noted as Corrected.

PART 2C: GROUND STABILIZATION Must be recorded after each Phase of Grading

Table for Areas Where Land Disturbance Has Been Completed or Temporarily Stopped with columns for Time Limit for Ground Cover, Is Ground Cover Sufficient to Restrain Erosion?, Inspection Date, and Date Noted as Corrected.

Project: 2020110233_00, City of Raleigh, Project: 2020110233_00, City of Raleigh, Project: 2020110233_00, City of Raleigh

McAdams logo and contact information for The John R. McAdams Company, Inc.

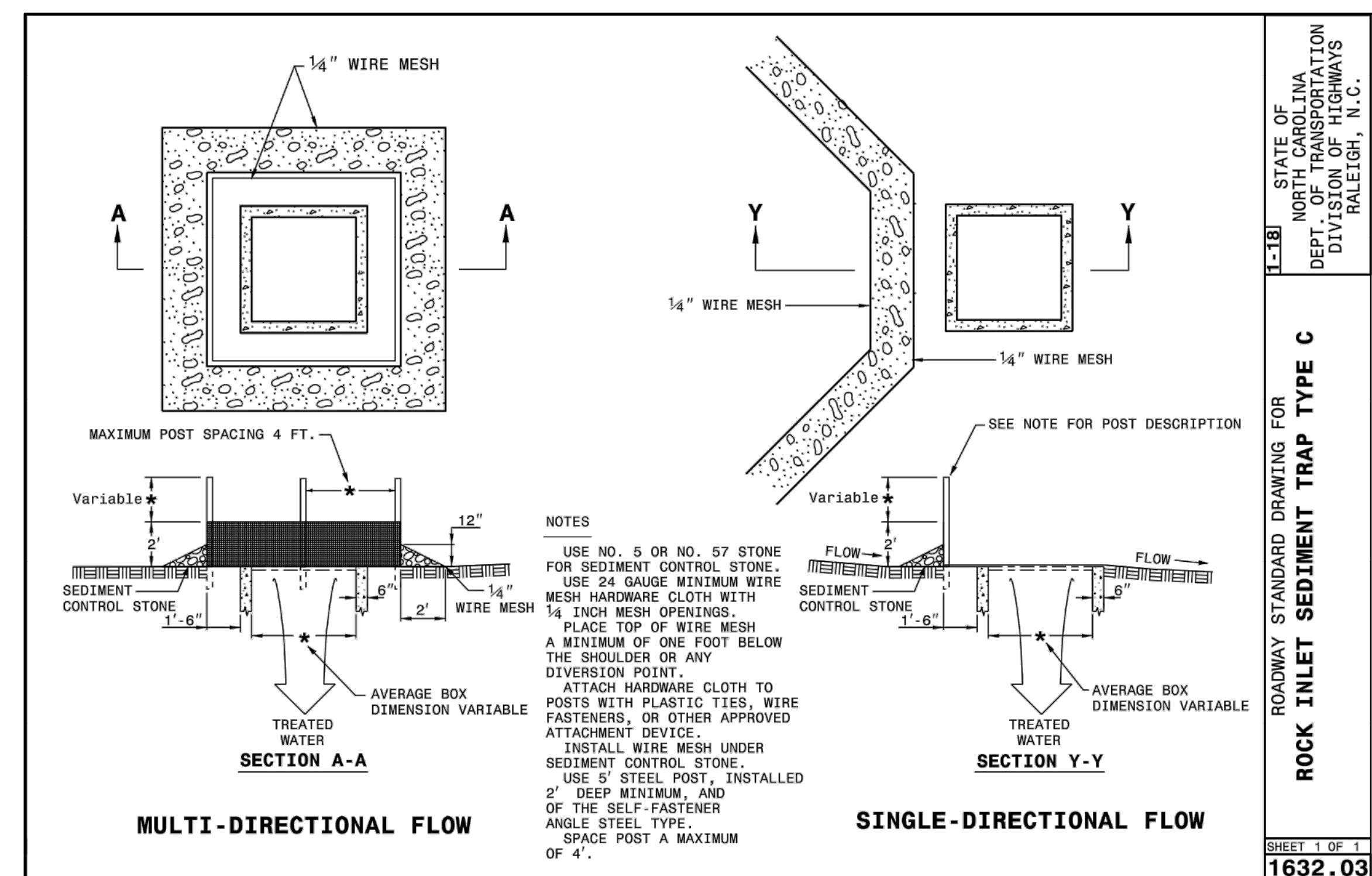
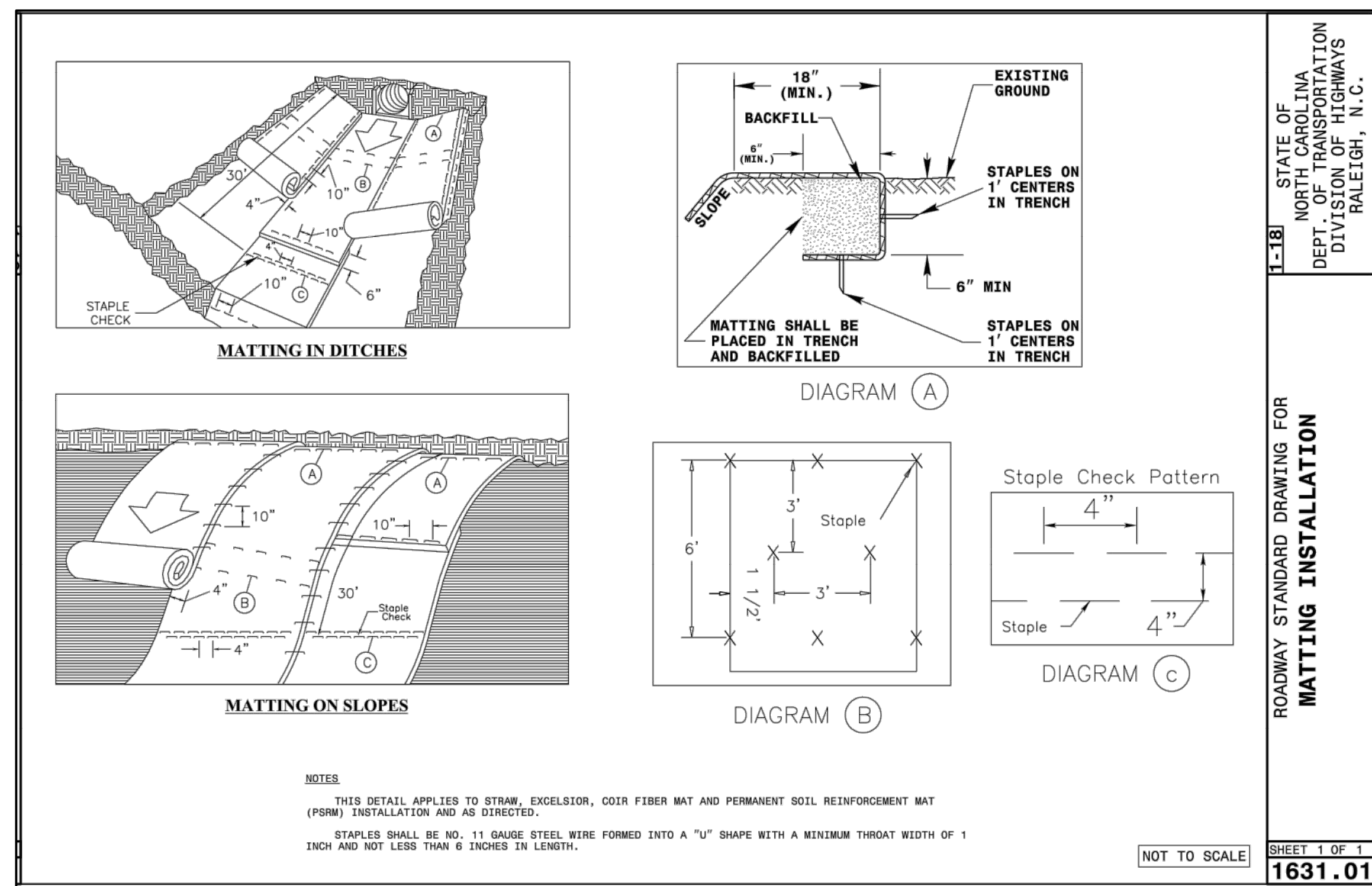
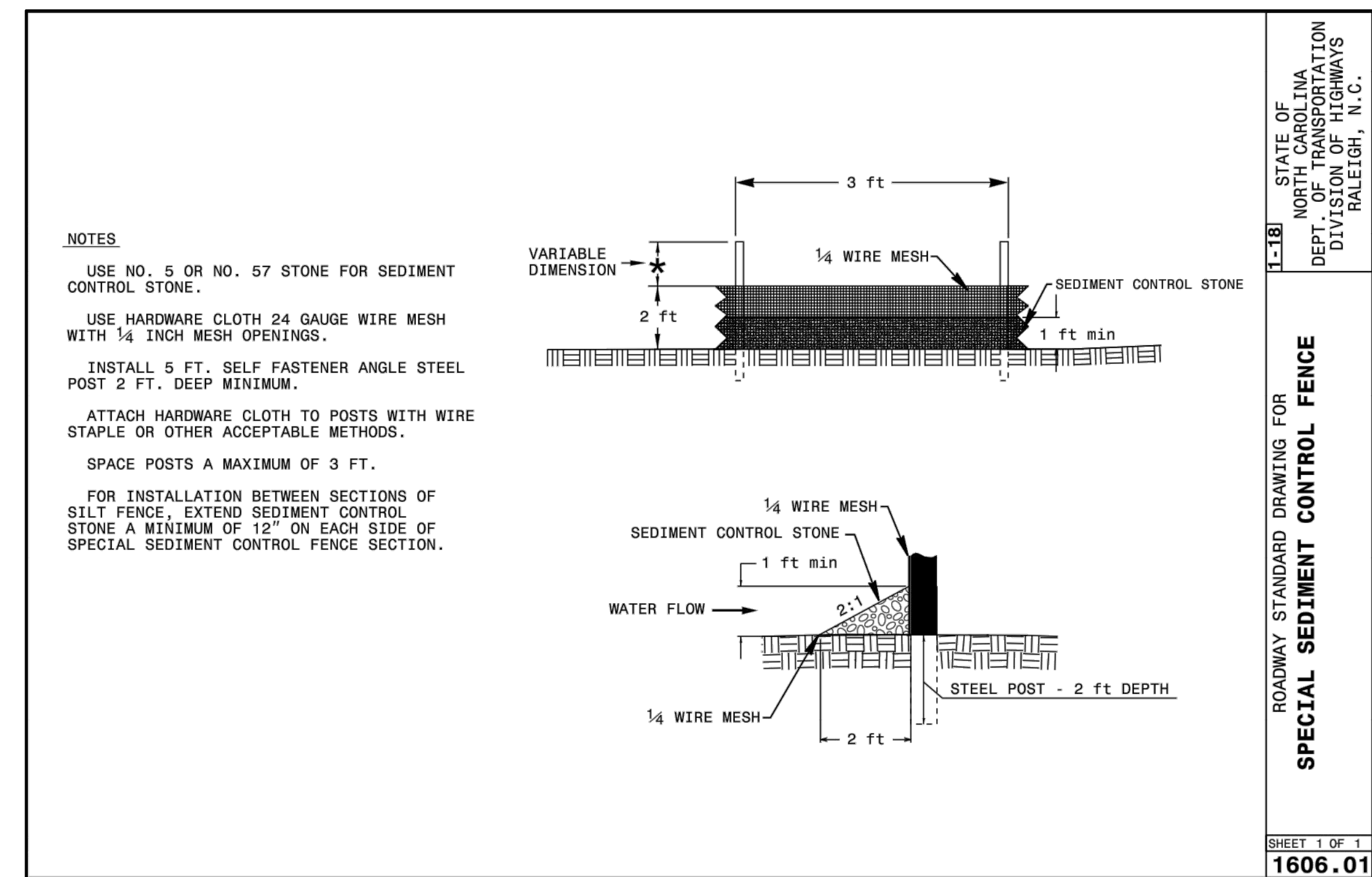
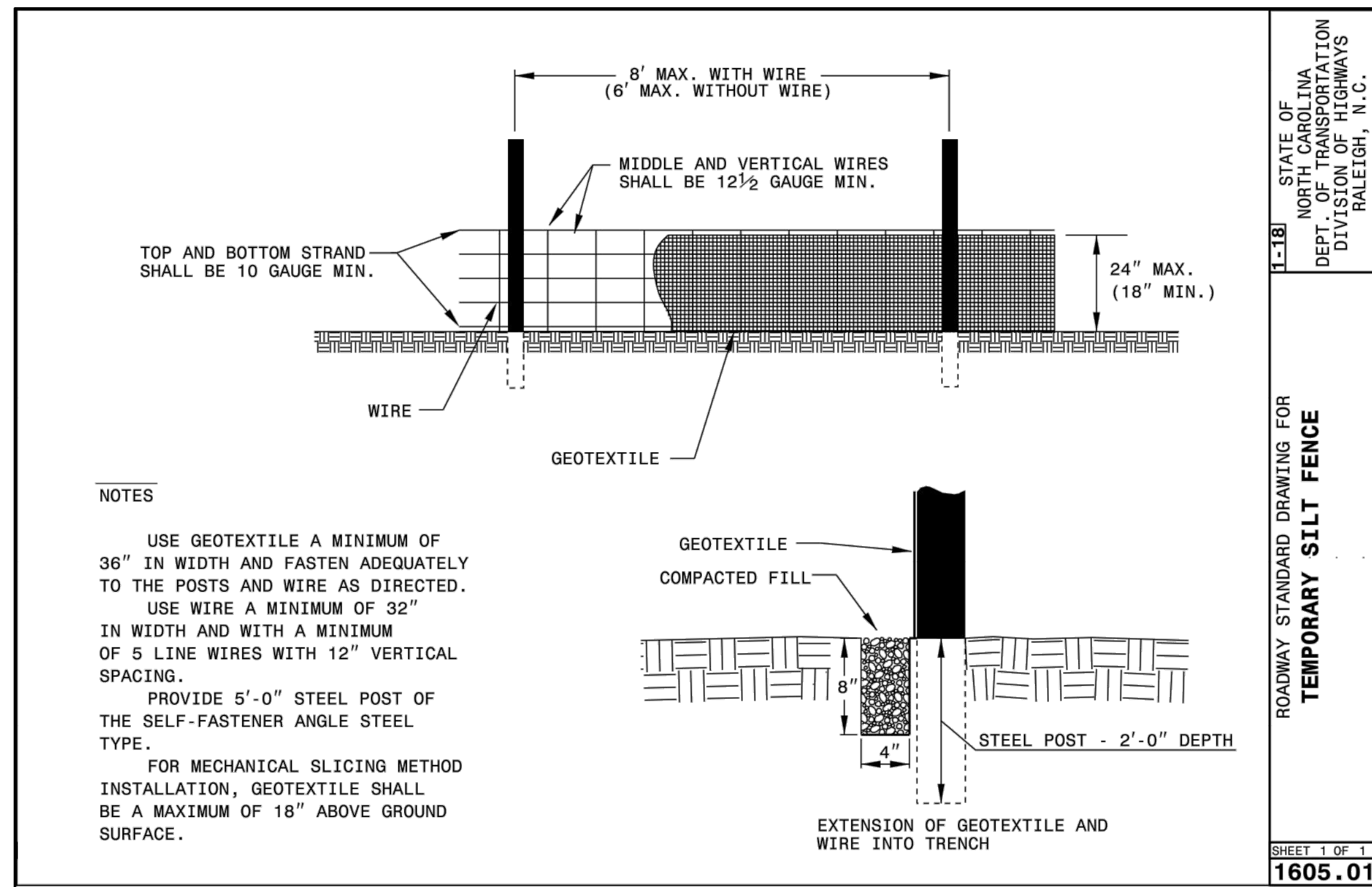
CLIENT logo and contact information for PARKS, RECREATION, AND CULTURAL RESOURCES.

REVISIONS table and GREENWAY ENGINEER / HYDRAULICS ENGINEER information.

TRENTON ROAD CONNECTOR logo and GENERAL NOTES information.

PLAN INFORMATION table with project details like PROJECT NO., FILENAME, CHECKED BY, DRAWN BY, SCALE, and DATE.

EC-2B logo and 90% PLANS - NOT RELEASED FOR CONSTRUCTION notice.



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90% PLANS - NOT RELEASED FOR CONSTRUCTION



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CONTACT:
DAVID BENDER, PROJECT MANAGER

REVISIONS
NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION
PRELIMINARY NOT FOR CONSTRUCTION

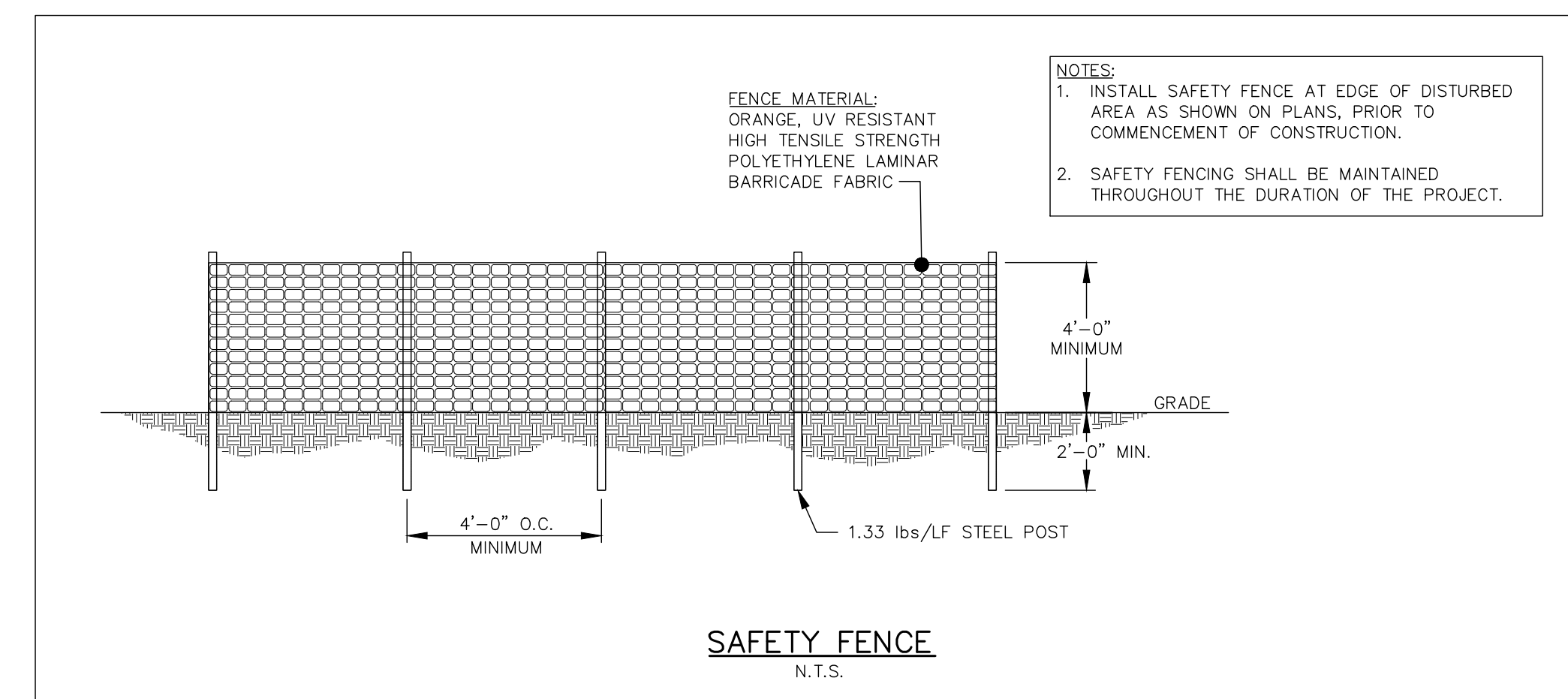
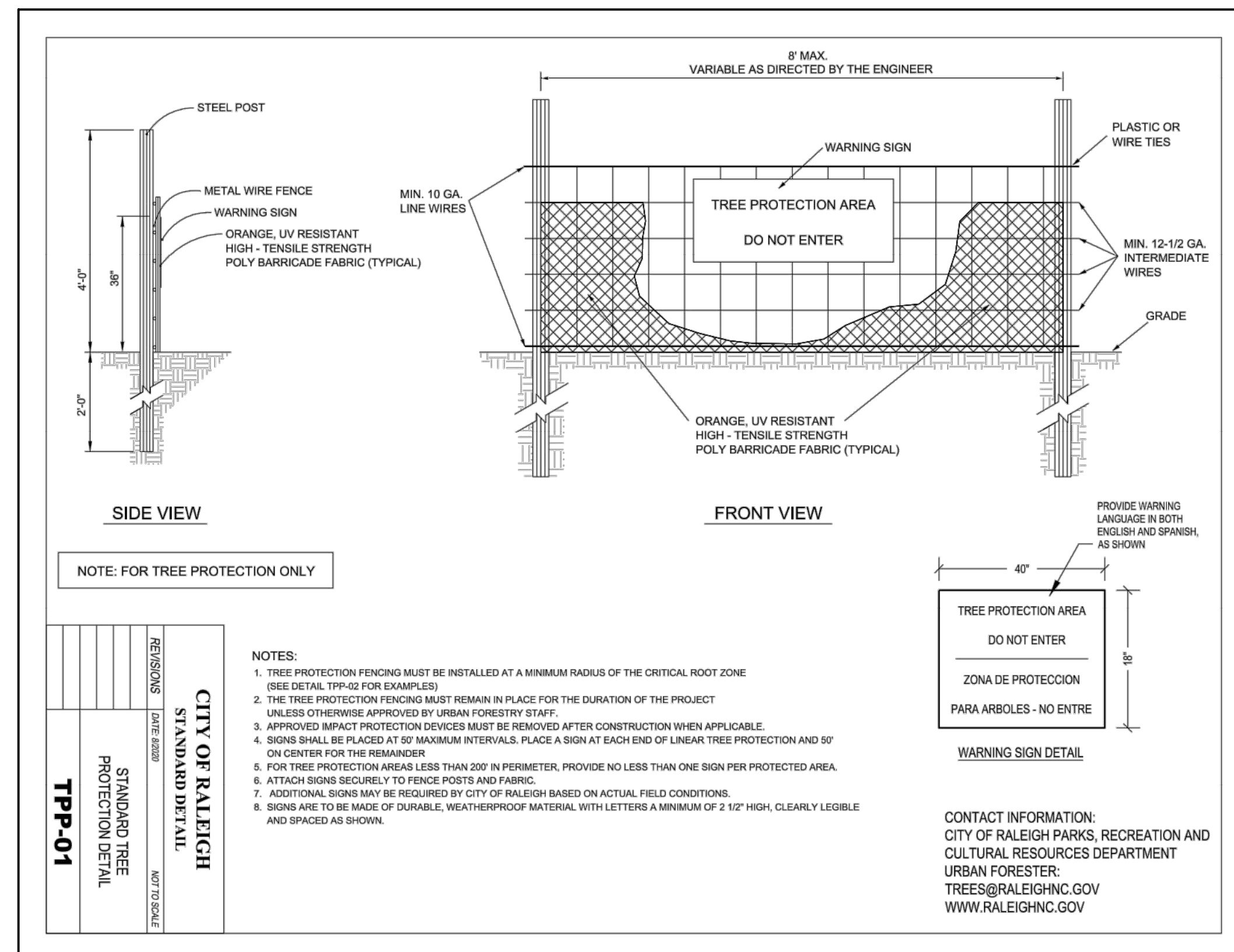
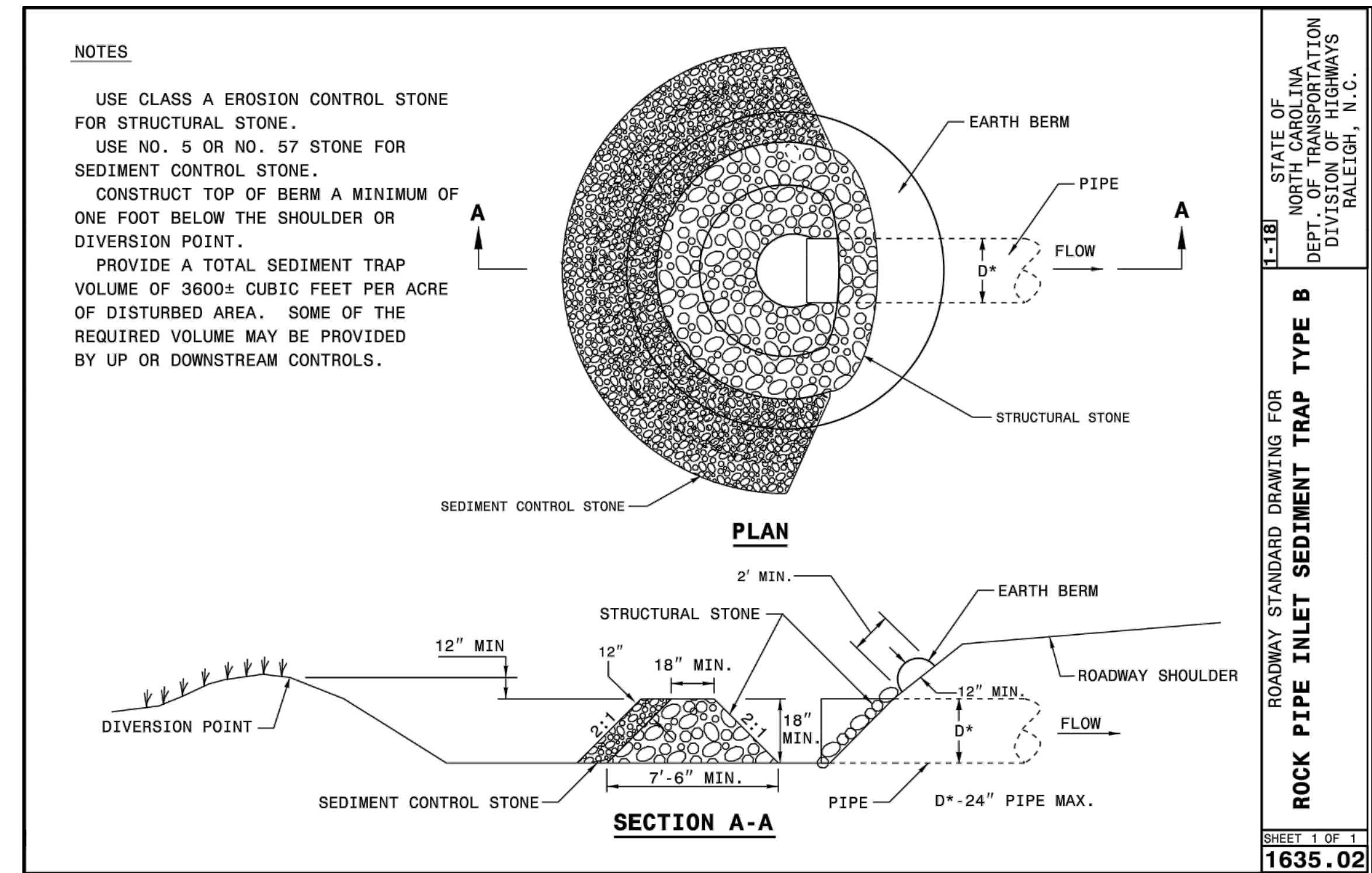
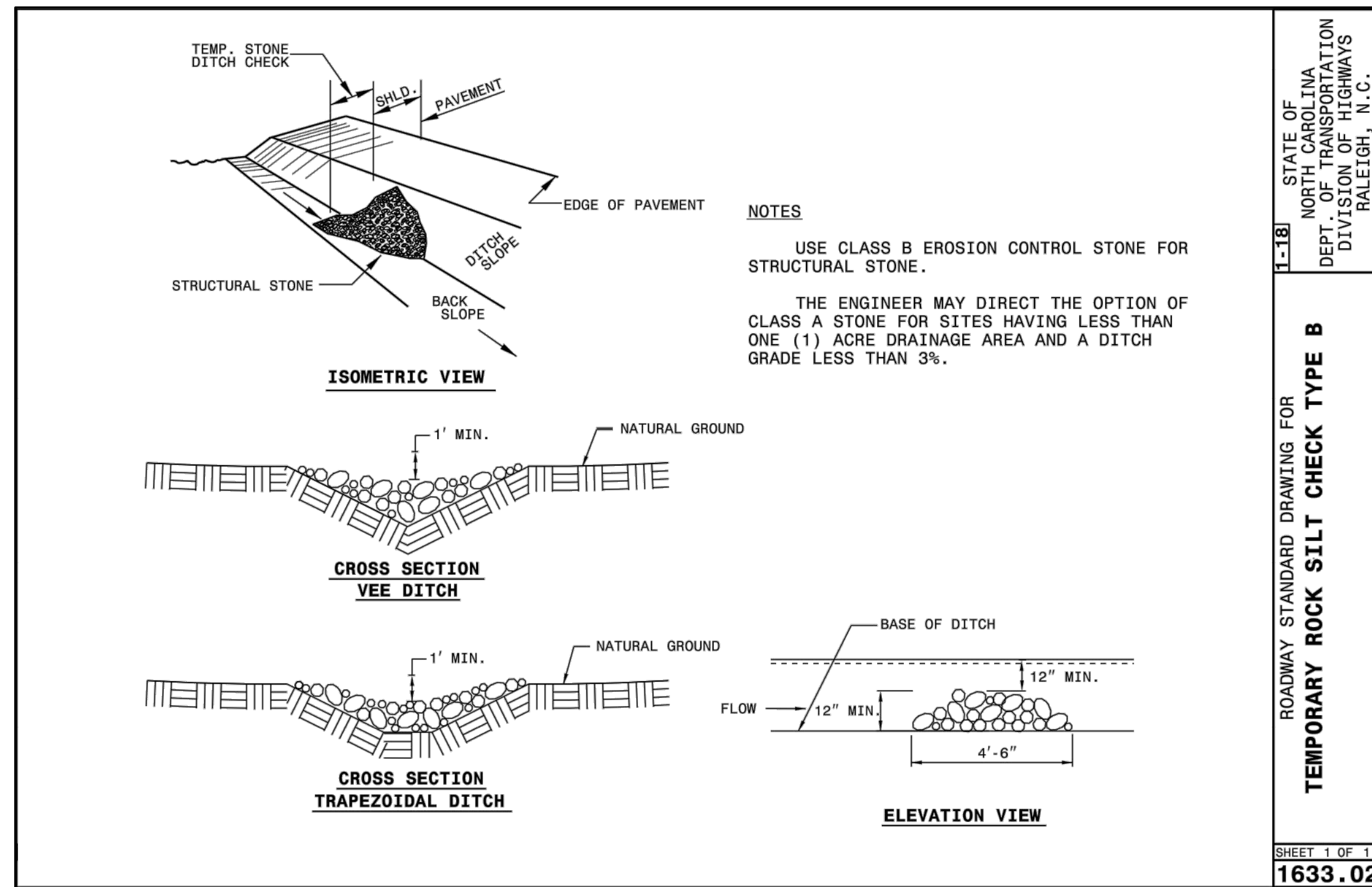
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

DETAILS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_EC2.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 200'
DATE 03/15/2022

EC-3A



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REVISIONS
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HYDRAULICS ENGINEER
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TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

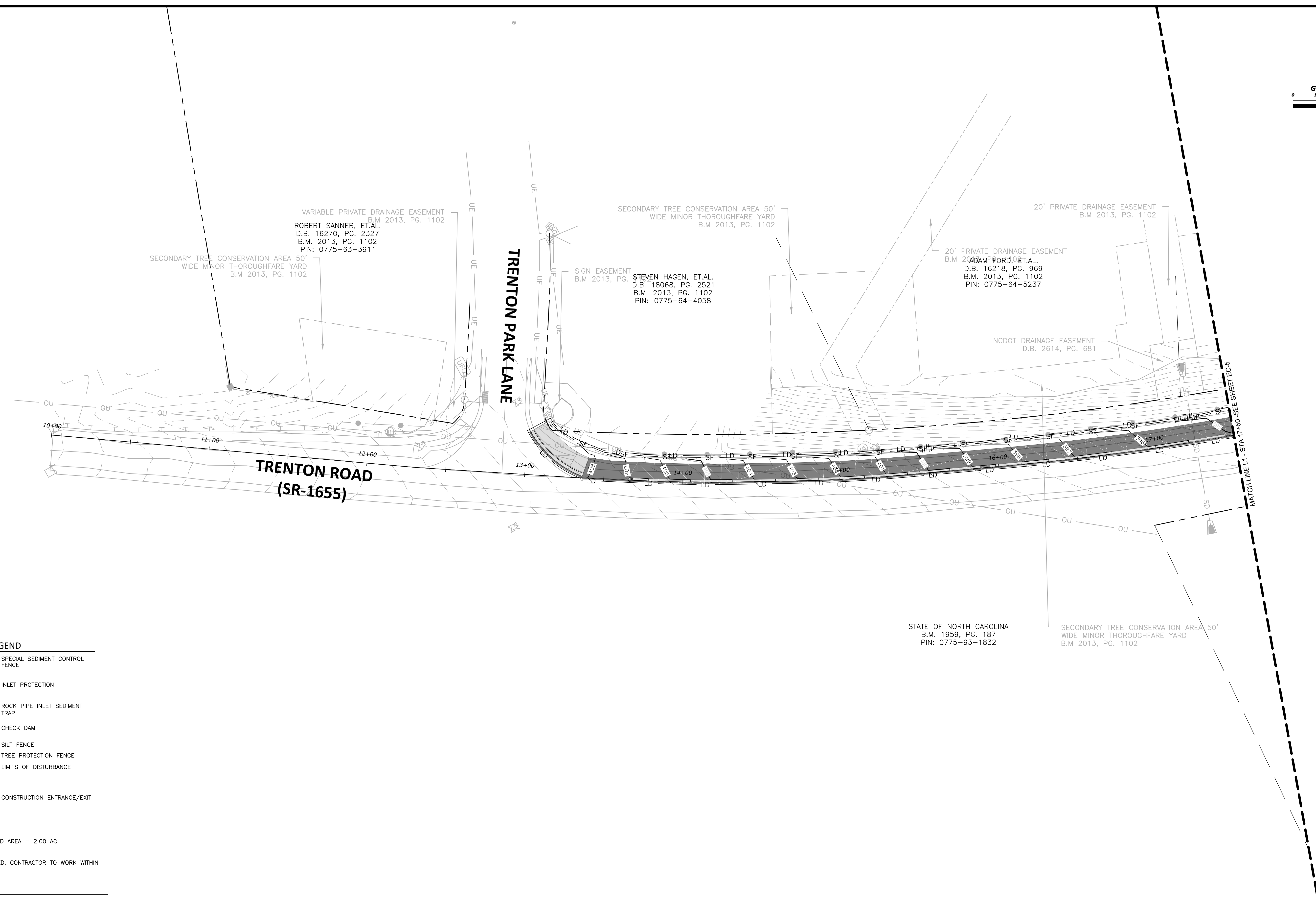
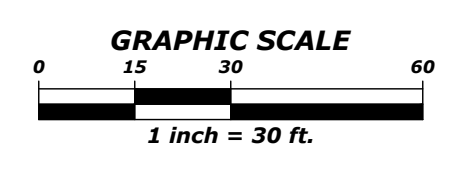
DETAILS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_EC2.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 200'
DATE 03/15/2022

EC-3B



NC-GRID-(NAD83)



EROSION CONTROL LEGEND

- SPECIAL SEDIMENT CONTROL FENCE
- INLET PROTECTION
- ROCK PIPE INLET SEDIMENT TRAP
- CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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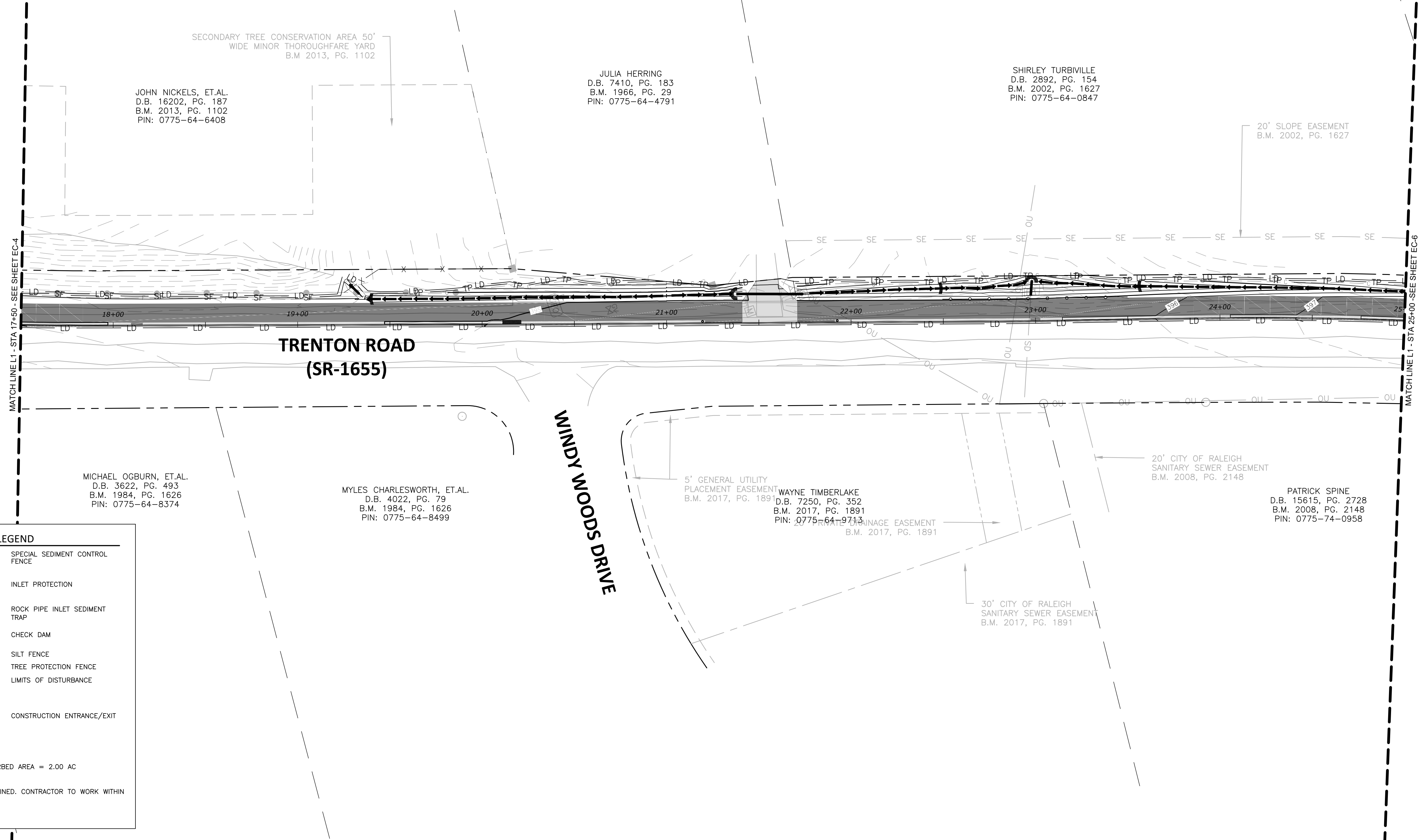
REVISIONS
 NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

TRENTON ROAD CONNECTOR
 TRENTON PARK LANE TO REEDY CREEK RD
EROSION CONTROL PLAN

PLAN INFORMATION
 PROJECT NO. 2020110233
 FILENAME 2020110233_EC1.dwg
 CHECKED BY GDB
 DRAWN BY JP, ED
 SCALE 1" = 30'
 DATE 03/15/2022

EC-4

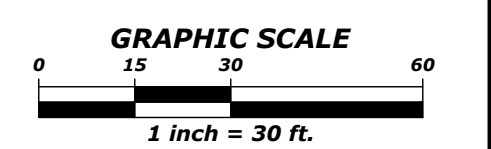


EROSION CONTROL LEGEND

	SPECIAL SEDIMENT CONTROL FENCE
	INLET PROTECTION
	ROCK PIPE INLET SEDIMENT TRAP
	CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.



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REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

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PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

EROSION CONTROL PLAN

PLAN INFORMATION

PROJECT NO.	2020110233
FILENAME	2020110233_EC1.dwg
CHECKED BY	GDB
DRAWN BY	JP, ED
SCALE	1" = 30'
DATE	03/15/2022

EC-5



NC-GRID-(NAD83)

LESLEY COE, ET.AL.
D.B. 16250, PG. 2361
PIN: 0775-65-8203

DOUGLAS SLAGEL, ET.AL.
D.B. 5529, PG. 609
B.M. 1979, PG. 971
PIN: 0775-65-8359

TOMMY OATES, ET.AL.
D.B. 3530, PG. 602
B.M. 1979, PG. 971
PIN: 0775-65-9535

JEAN SPOONER, ET.AL.
D.B. 7090, PG. 468
B.M. 1979, PG. 971
PIN: 0775-75-0649

JAMES SOLDIN, ET.AL.
D.B. 17775, PG. 1067
B.M. 1983, PG. 89
PIN: 0775-75-1901

RANI BRITTO, ET.AL.
D.B. 15554, PG. 1830
B.M. 2008, PG. 2148
PIN: 0775-75-0197

RICHARD STOCK, ET.AL.
D.B. 15736, PG. 145
B.M. 2008, PG. 2148
PIN: 0775-75-1268

MARK PATERNI, ET.AL.
D.B. 15295, PG. 2676
B.M. 2008, PG. 2148
PIN: 0775-75-2317

RANDOLPH SCOTT, ET.AL.
D.B. 16868, PG. 1882
B.M. 2008, PG. 2148
PIN: 0775-75-2466

NANCY WU
D.B. 15514, PG. 1451
B.M. 2008, PG. 2148
PIN: 0775-75-3526

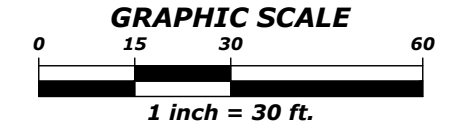
MATTHEW SCIBIENSKI, ET.AL.
D.B. 15486, PG. 304
B.M. 2008, PG. 2148
PIN: 0775-75-4700

EROSION CONTROL LEGEND

	SPECIAL SEDIMENT CONTROL FENCE
	INLET PROTECTION
	ROCK PIPE INLET SEDIMENT TRAP
	CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.



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TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

EROSION CONTROL PLAN

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_EC1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

EC-6



KENNETH GARRARD
D.B. 9396, PG. 2442
B.M. 1983, PG. 89
PIN: 0775-76-3025

SANDRA STRONG
D.B. 16877, PG. 2326
B.M. 1983, PG. 89
PIN: 0775-76-4125

NANCY KRAEMER, ET.AL.
D.B. 17024, PG. 687
B.M. 2006, PG. 319
PIN: 0775-76-5208

MARK JANAS, ET.AL.
D.B. 13120, PG. 395
B.M. 2006, PG. 319
PIN: 0775-76-6347

KATHLEEN RHONEY, ET.AL.
D.B. 12780, PG. 1394
B.M. 1983, PG. 89
PIN: 0775-75-2961

JOHN COLVARD, ET.AL.
D.B. 17052, PG. 1882
PIN: 0775-76-6024

JOHN COLVARD
D.B. 15323, PG. 2529
PIN: 0775-75-8961

JOHN SCARFUTTI, ET.AL.
D.B. 15207, PG. 1774
B.M. 2008, PG. 2148
PIN: 0775-75-4854

20' CITY OF RALEIGH SANITARY
SEWER EASEMENT
B.M. 2008, PG. 2148

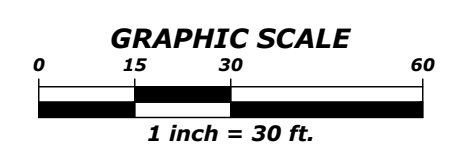
TRENTON ROAD (SR-1655)

EROSION CONTROL LEGEND

	SPECIAL SEDIMENT CONTROL FENCE
	INLET PROTECTION
	ROCK PIPE INLET SEDIMENT TRAP
	CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.



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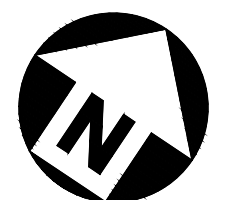
REVISIONS
NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
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PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR TRENTON PARK LANE TO REEDY CREEK RD EROSION CONTROL PLAN

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_EC1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

EC-7



NC-GRID-(NAD83)

GRAPHIC SCALE

15 30 60

1 inch = 30 ft.

FREDERICK W PORTER IV AND
CARRIE A BHADA
D.B. 18455, PG. 528
B.M. 2006, PG. 319
PIN: 0775-76-8543

JAMES IADEMARCO
D.B. 12636, PG. 698
B.M. 2006, PG. 319
PIN: 0775-86-1701

ELIZABETH MEW
D.B. 2830, PG. 486
PIN: 0775-86-3953

TRENTON WOODS WAY

TRENTON ROAD
(SR-1655)

WALTON FARM, LLC.
D.B. 16890, PG. 1410
B.M. 2013, PG. 1200
PIN: 0775-86-2340

SCOTT BAKER, ET.AL.
D.B. 15225, PG. 2065
B.M. 2006, PG. 1177
PIN: 0775-86-4780

WILLIAM FLEDERBACH, ET.AL.
D.B. 15510, PG. 2615
B.M. 2006, PG. 1177
PIN: 0775-86-5796

REEDY CREEK ROAD

EROSION CONTROL LEGEND

	SPECIAL SEDIMENT CONTROL FENCE
	INLET PROTECTION
	ROCK PIPE INLET SEDIMENT TRAP
	CHECK DAM
	SILT FENCE
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.

MATCH LINE L1 - STA 41+50 - SEE SHEET EC-7

90% PLANS - NOT RELEASED FOR CONSTRUCTION

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DAVID BENDER, PROJECT MANAGER

REVISIONS

NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER

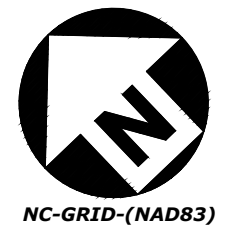
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TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
EROSION CONTROL PLAN

PLAN INFORMATION

PROJECT NO.	2020110233
FILENAME	2020110233_EC1.dwg
CHECKED BY	GDB
DRAWN BY	JP, ED
SCALE	1" = 30'
DATE	03/15/2022

EC-8



NC-GRID-(NAD83)

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REEDY CREEK ROAD




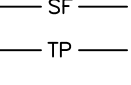
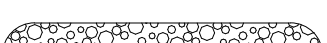

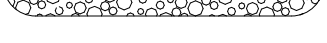
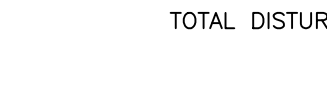
MANORBROOK ROAD

BRAD NELSON, ET.AL.
D.B. 14534, PG. 151
B.M. 2006, PG. 1177
PIN: 0775-86-8304

ELIZABETH MILLER, ET.AL.
D.B. 12586, PG. 972
B.M. 2006, PG. 1177
PIN: 0775-86-9234

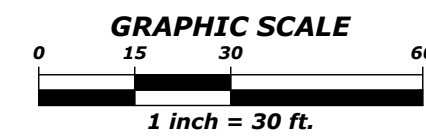
DAVID TATE, ET.AL.
D.B. 17766, PG. 426
B.M. 2006, PG. 1177
PIN: 0775-96-0044

EROSION CONTROL LEGEND

-  SPECIAL SEDIMENT CONTROL FENCE
-  INLET PROTECTION
-  ROCK PIPE INLET SEDIMENT TRAP
-  CHECK DAM
-  SILT FENCE
-  TREE PROTECTION FENCE
-  LIMITS OF DISTURBANCE
-  CONSTRUCTION ENTRANCE/EXIT

TOTAL DISTURBED AREA = 2.00 AC

NOTE: NO EASEMENTS OBTAINED. CONTRACTOR TO WORK WITHIN EXISTING R/W.



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REVISIONS
NO. DATE

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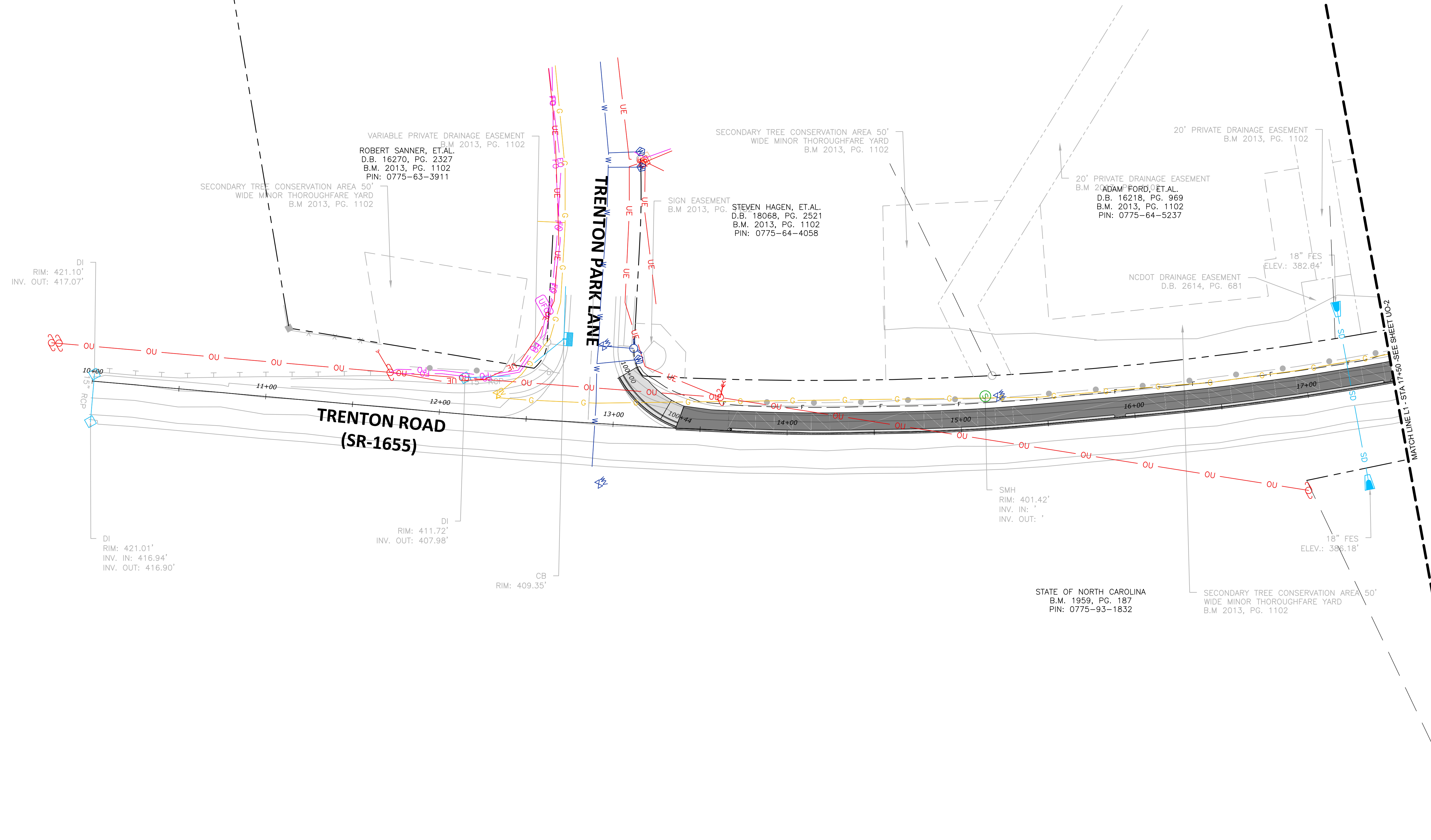
TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
EROSION CONTROL PLAN

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_EC1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

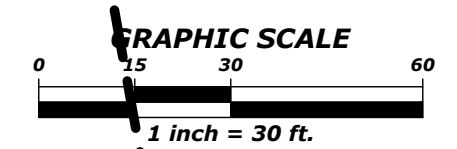
EC-9



NC-GRID-(NAD83)



NOTE:
NO UTILITY WORK PROPOSED ON THIS SHEET.



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PRELIMINARY NOT FOR CONSTRUCTION

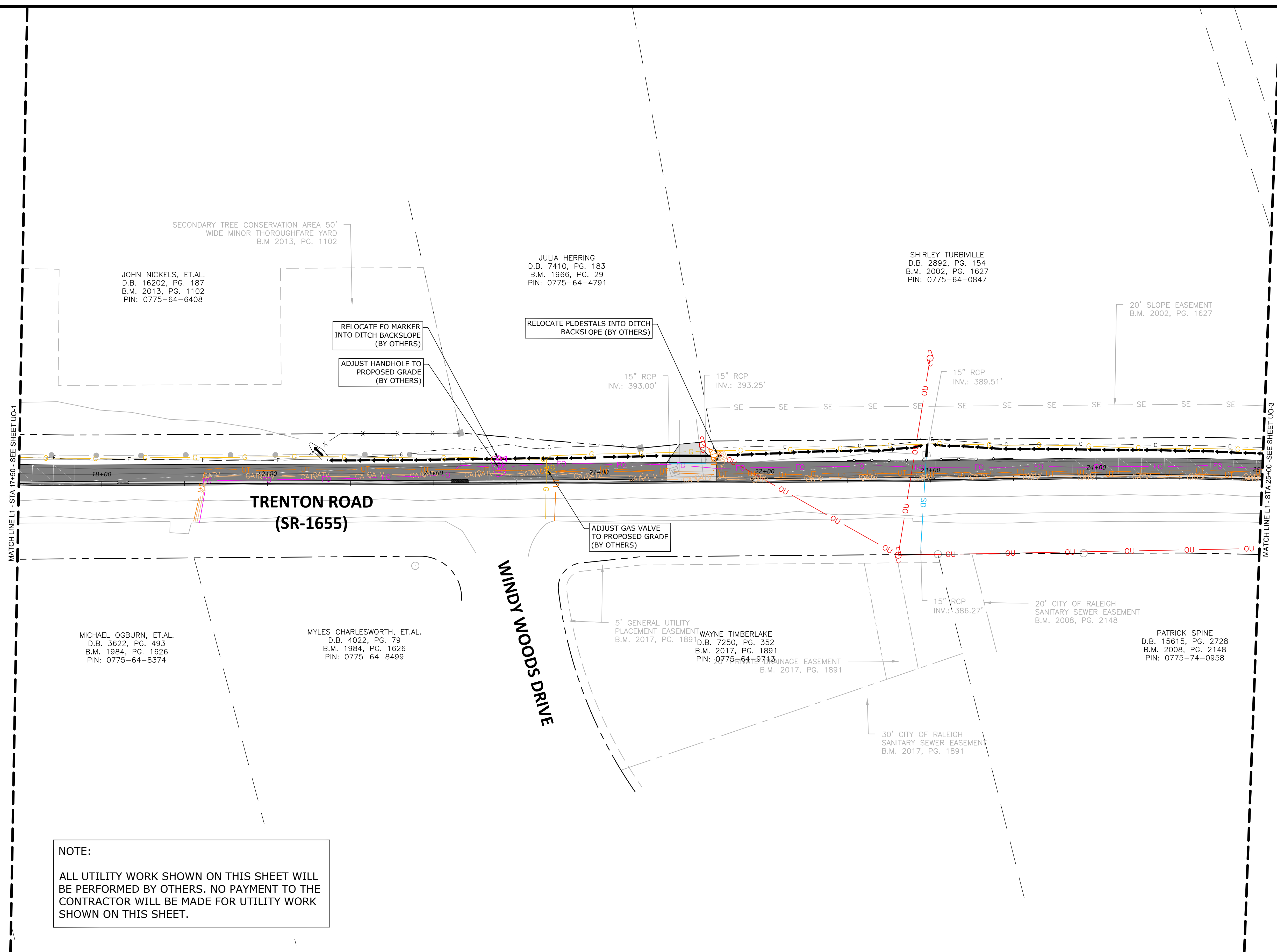
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

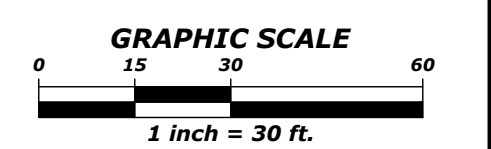
UTILITIES BY OTHERS PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_UO1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

UO-1



NOTE:
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 DAVID BENDER, PROJECT MANAGER

NO.	DATE	REVISIONS

GREENWAY ENGINEER HYDRAULICS ENGINEER

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

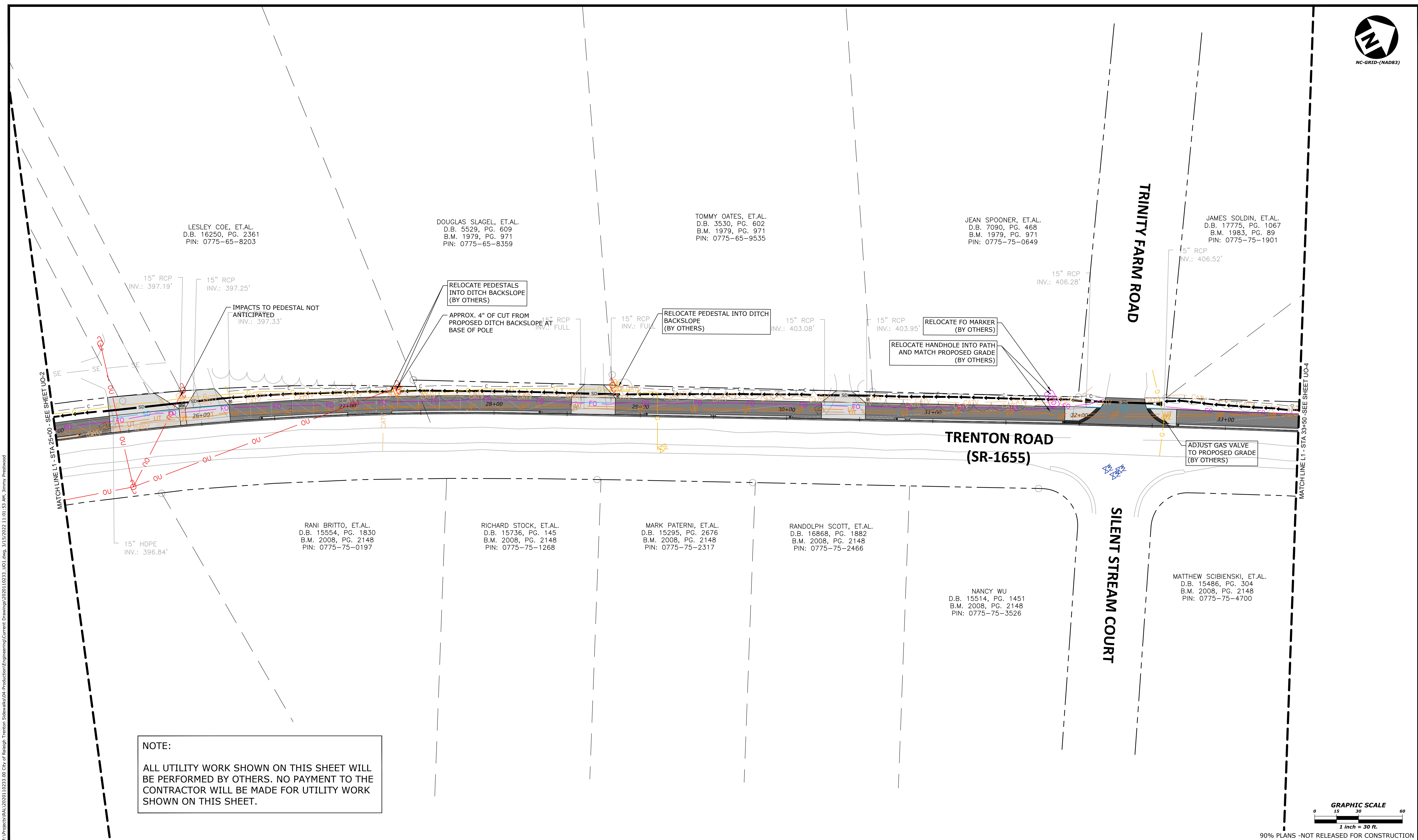
UTILITIES BY OTHERS PLANS

PLAN INFORMATION
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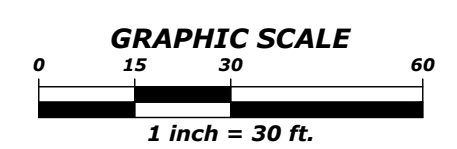
UO-2



NC-GRID-(NAD83)



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 222 W. HARGETT STREET
 SUITE 600
 RALEIGH, NC 27601
 919-996-4798
 CONTACT:
 DAVID BENDER, PROJECT MANAGER

REVISIONS	
NO.	DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
 

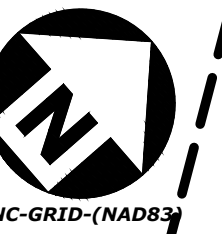
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

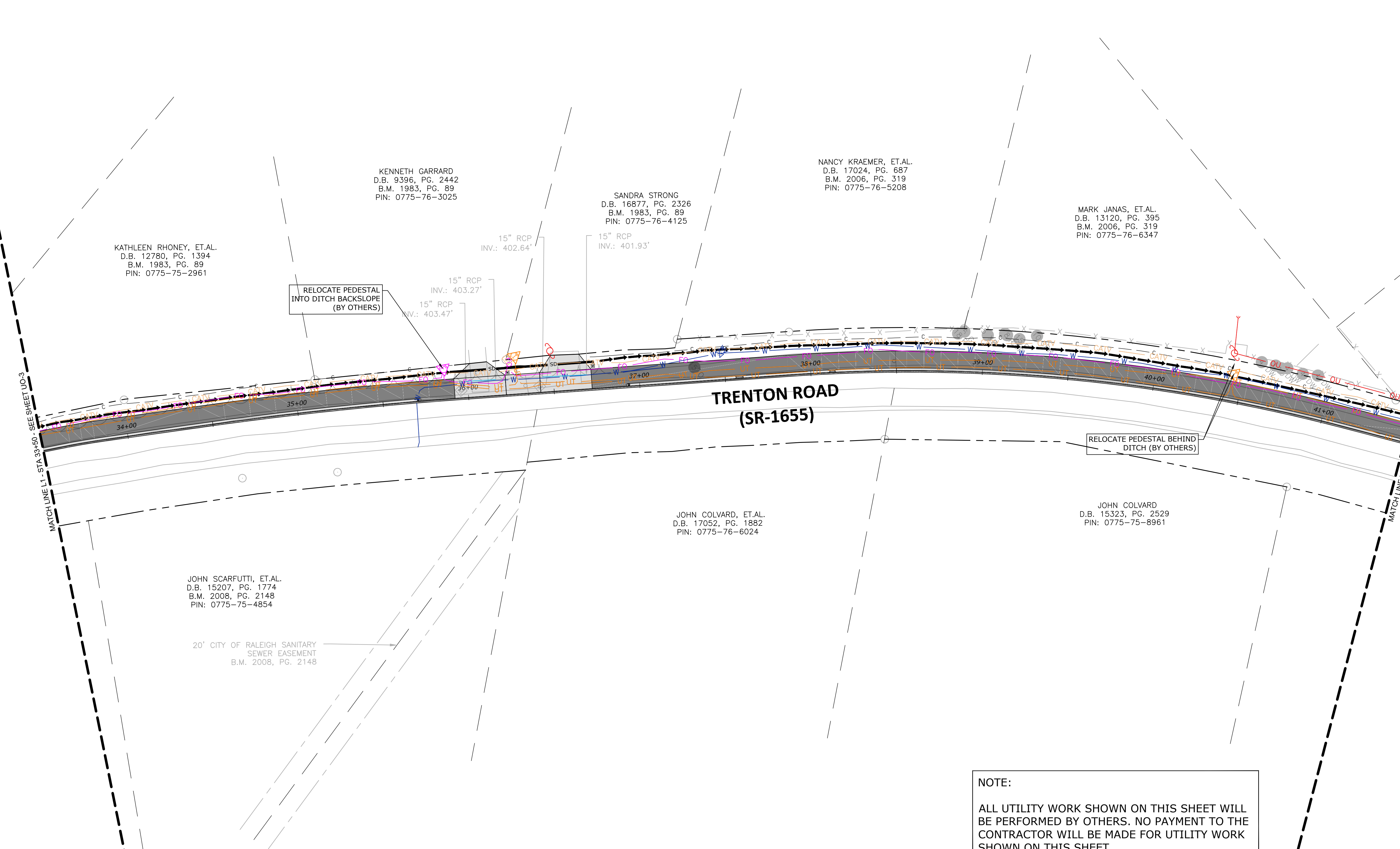
UTILITIES BY OTHERS PLANS

PLAN INFORMATION
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 FILENAME 2020110233_U01.dwg
 CHECKED BY GDB
 DRAWN BY JP, ED
 SCALE 1" = 30'
 DATE 03/15/2022

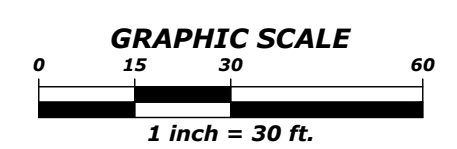
UO-3



NC-GRID-(NAD83)



NOTE:
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE PERFORMED BY OTHERS. NO PAYMENT TO THE CONTRACTOR WILL BE MADE FOR UTILITY WORK SHOWN ON THIS SHEET.



90% PLANS - NOT RELEASED FOR CONSTRUCTION

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919-996-4798
CONTACT:
DAVID BENDER, PROJECT MANAGER

NO.	DATE	REVISIONS

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

UTILITIES BY OTHERS PLANS

PLAN INFORMATION
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FILENAME 2020110233_UO1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

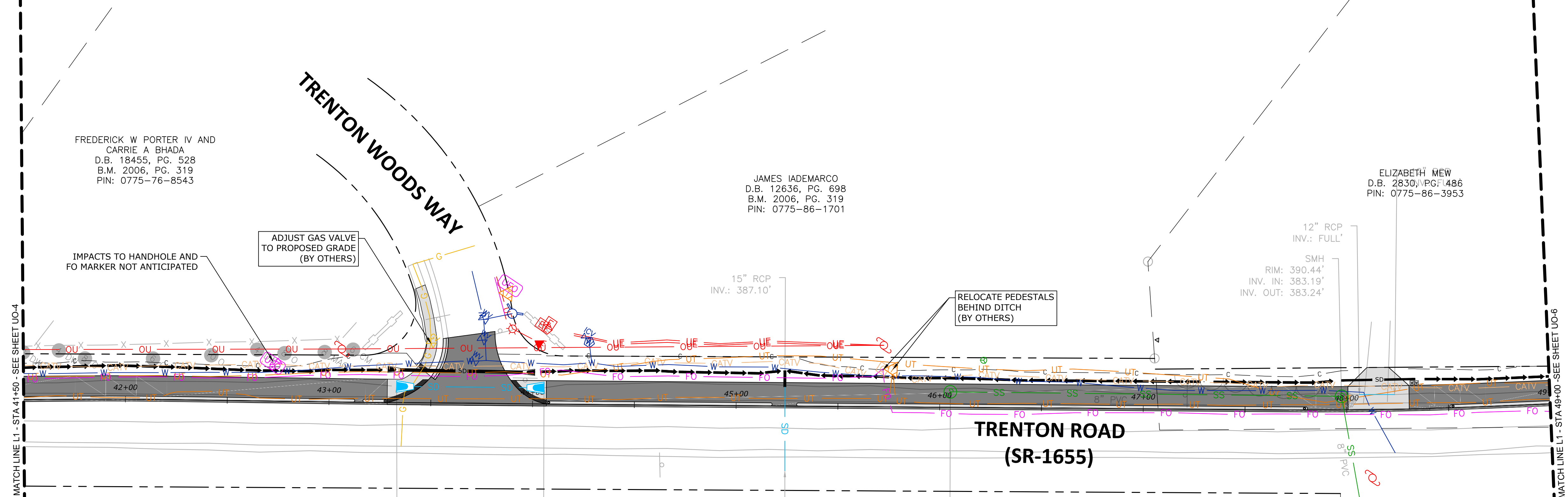
UO-4



FREDERICK W PORTER IV AND
CARRIE A BHADA
D.B. 18455, PG. 528
B.M. 2006, PG. 319
PIN: 0775-76-8543

JAMES IADEMARCO
D.B. 12636, PG. 698
B.M. 2006, PG. 319
PIN: 0775-86-1701

ELIZABETH MEW
D.B. 2830, PG. 1486
PIN: 0775-86-3953



MATCHLINE L1 - STA 41+50 - SEE SHEET UO-4

MATCHLINE L1 - STA 48+00 - SEE SHEET UO-6

**TRENTON ROAD
(SR-1655)**

18" FES
ELEV.: 387.87'

18" FES
ELEV.: 387.85'

15" RCP
INV.: 385.16'

SMH
RIM: 390.21'
INV. IN: 383.46'
INV. OUT: 383.32'

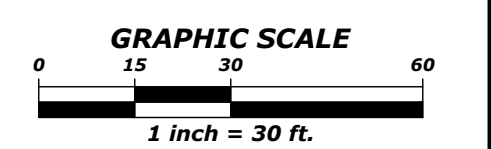
12" RCP
INV.: FULL'
SMH
RIM: 390.44'
INV. IN: 383.19'
INV. OUT: 383.24'

SMH
RIM: 389.15'
INV. IN: 382.86'
INV. OUT: 382.60'

SCOTT BAKER, ET.AL.
D.B. 15225, PG. 2065
B.M. 2006, PG. 1177
PIN: 0775-86-4780

WALTON FARM, LLC.
D.B. 16890, PG. 1410
B.M. 2013, PG. 1200
PIN: 0775-86-2340

NOTE:
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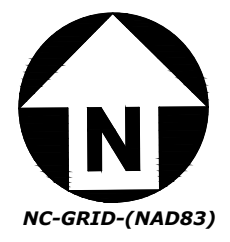
REVISIONS
NO. DATE

GREENWAY ENGINEER HYDRAULICS ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION *PRELIMINARY NOT FOR CONSTRUCTION*

TRENTON ROAD CONNECTOR
TRENTON PARK LANE TO REEDY CREEK RD
UTILITIES BY OTHERS PLANS

PLAN INFORMATION
PROJECT NO. 2020110233
FILENAME 2020110233_UO1.dwg
CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

UO-5



ELIZABETH MEW
D.B. 2830, PG. 486
PIN: 0775-86-3953

DI
RIM: 378.22'
INV. IN: 375.38'
INV. OUT: 375.32'

POTENTIAL IMPACTS TO UT AND
CATV LINES CAUSED BY PROPOSED
DRAINAGE FEATURES

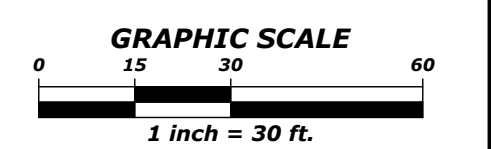
DI
RIM: 373.83'
INV.: 373.83'

WILLIAM FLIEDERBACH, ET.AL.
D.B. 15510, PG. 2615
B.M. 2006, PG. 1177
PIN: 0775-86-5796

MATCH LINE LT - STA 49+00 - SEE SHEET UC-5

REEDY CREEK ROAD

NOTE:
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BE PERFORMED BY OTHERS. NO PAYMENT TO THE
CONTRACTOR WILL BE MADE FOR UTILITY WORK
SHOWN ON THIS SHEET.



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GREENWAY ENGINEER HYDRAULICS ENGINEER
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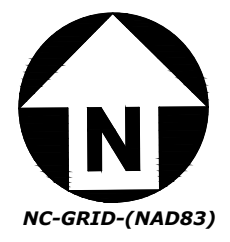
TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

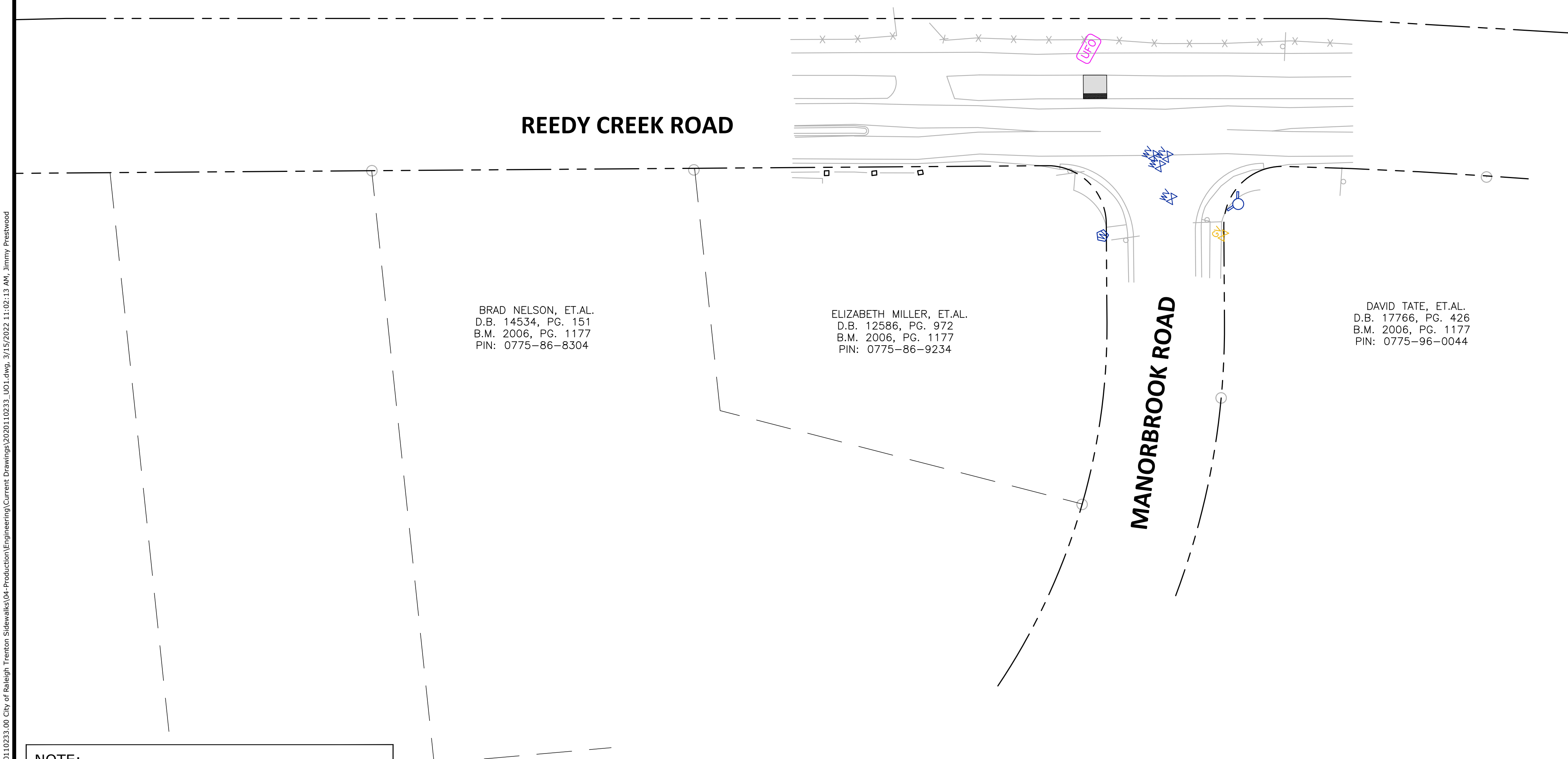
UTILITIES BY OTHERS PLANS

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DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

UO-6



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REEDY CREEK ROAD

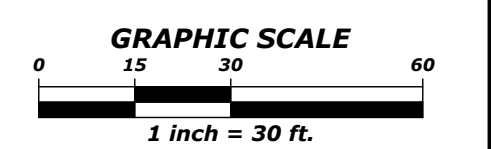
MANORBROOM ROAD

BRAD NELSON, ET.AL.
D.B. 14534, PG. 151
B.M. 2006, PG. 1177
PIN: 0775-86-8304

ELIZABETH MILLER, ET.AL.
D.B. 12586, PG. 972
B.M. 2006, PG. 1177
PIN: 0775-86-9234

DAVID TATE, ET.AL.
D.B. 17766, PG. 426
B.M. 2006, PG. 1177
PIN: 0775-96-0044

NOTE:
NO UTILITY WORK PROPOSED ON THIS SHEET.



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HYDRAULICS ENGINEER
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NOT FOR CONSTRUCTION*

TRENTON ROAD CONNECTOR

TRENTON PARK LANE TO REEDY CREEK RD

UTILITIES BY OTHERS PLANS

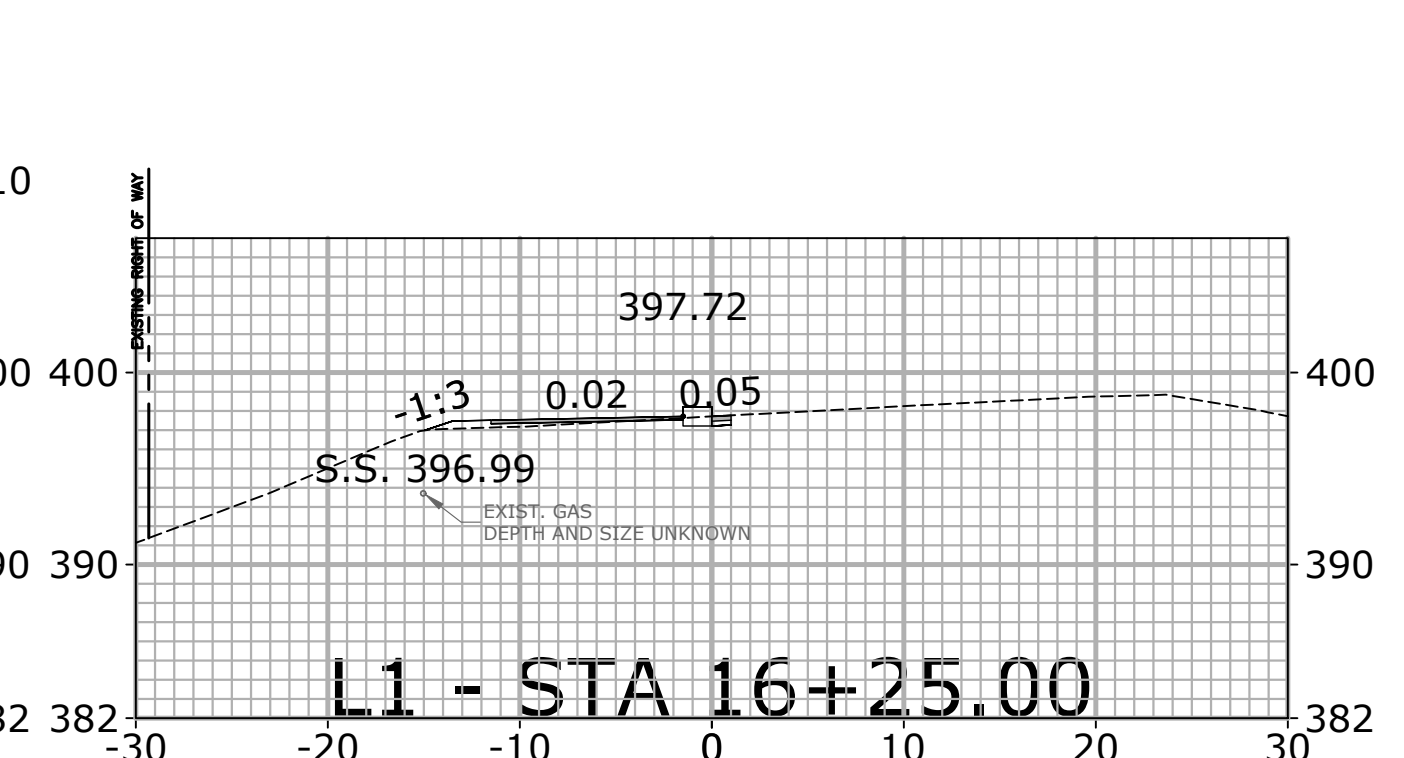
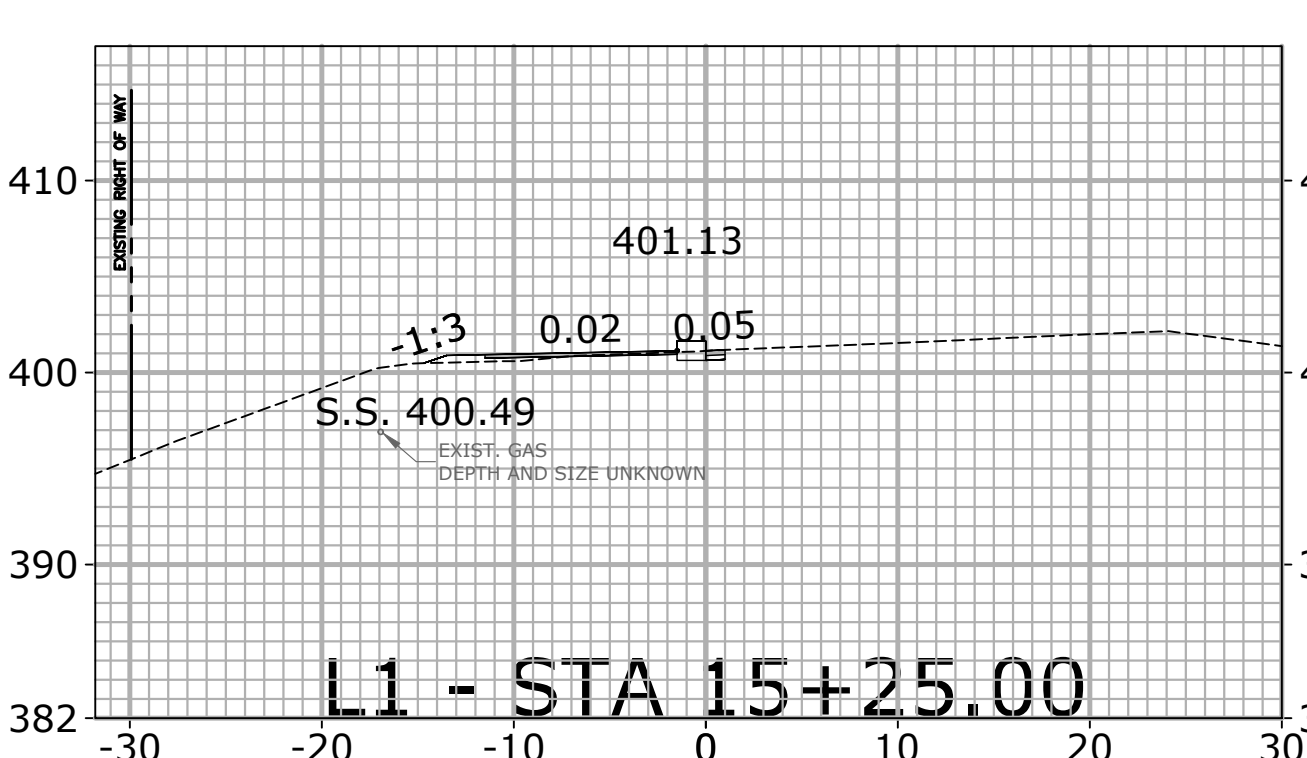
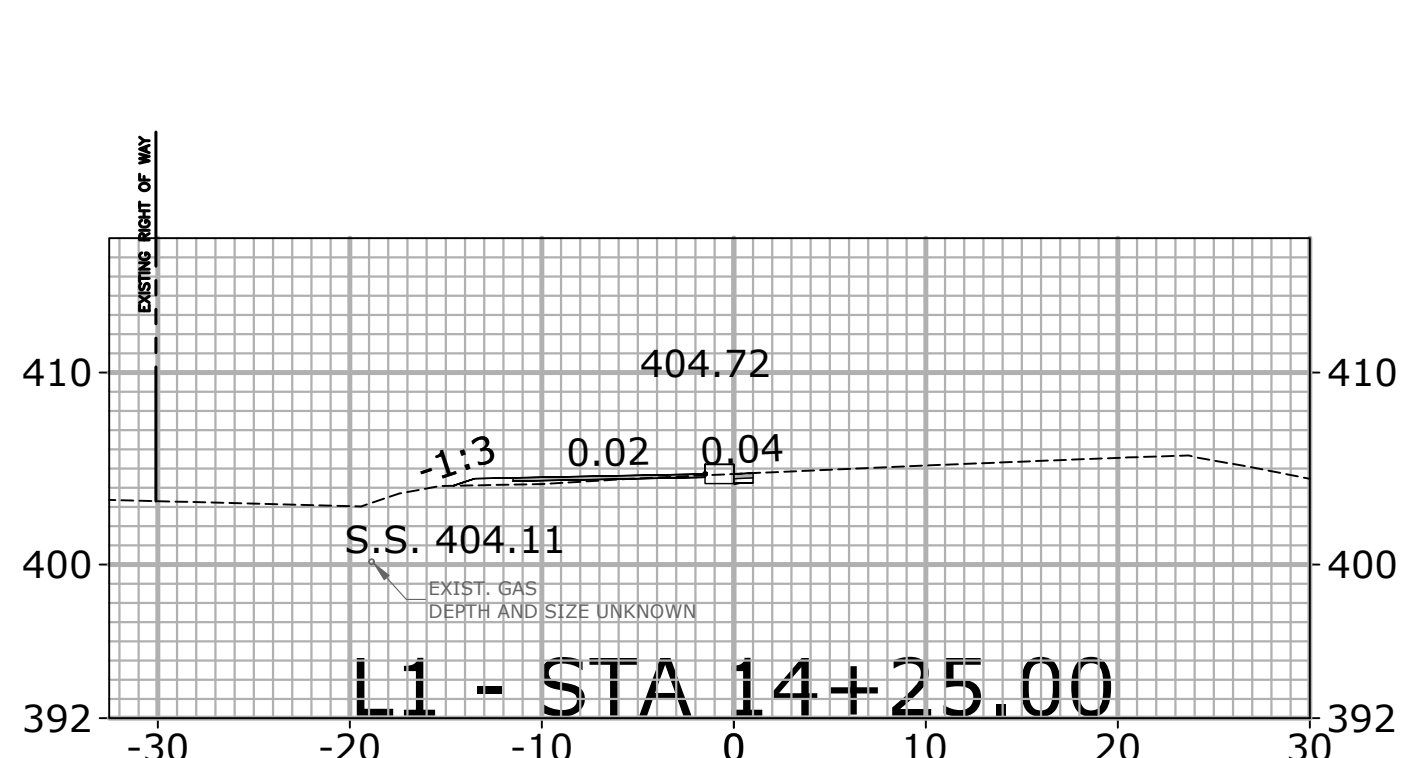
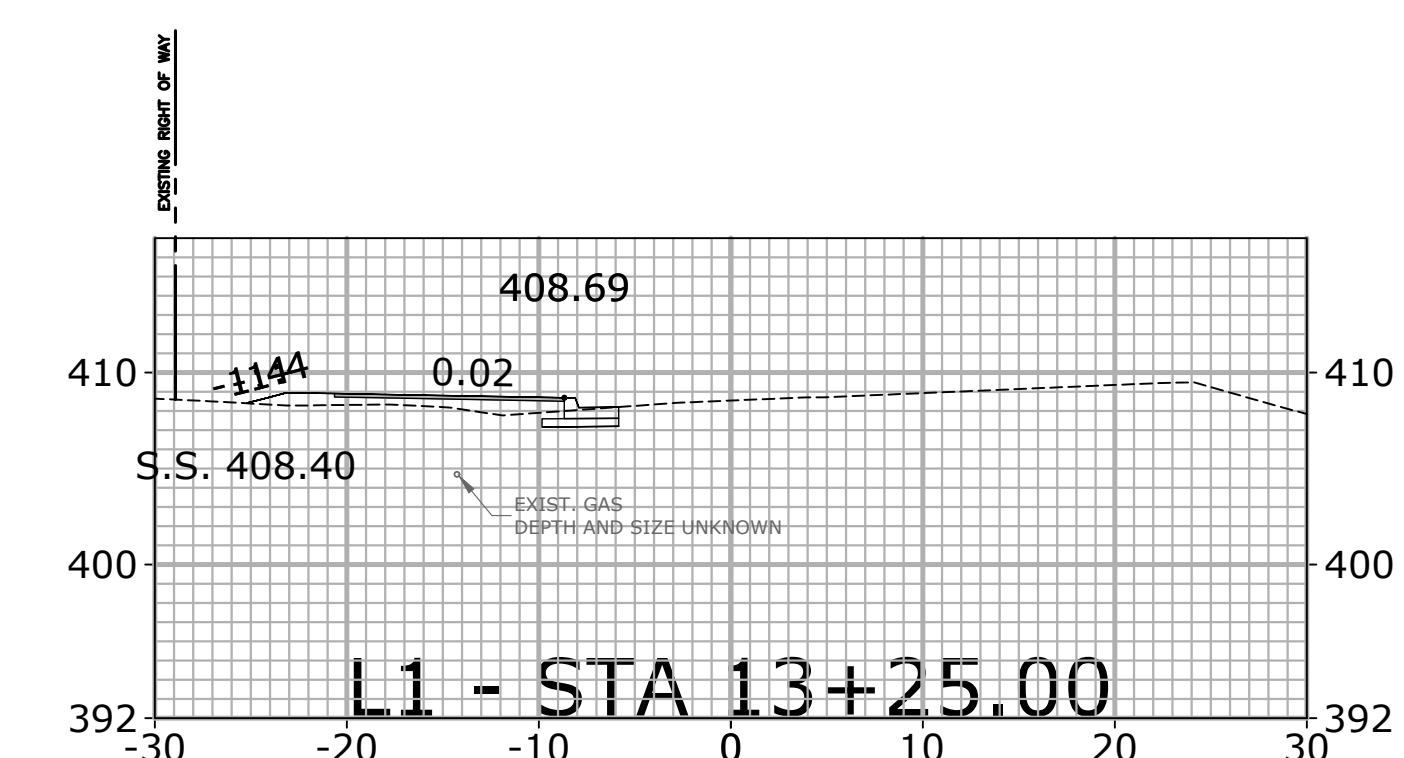
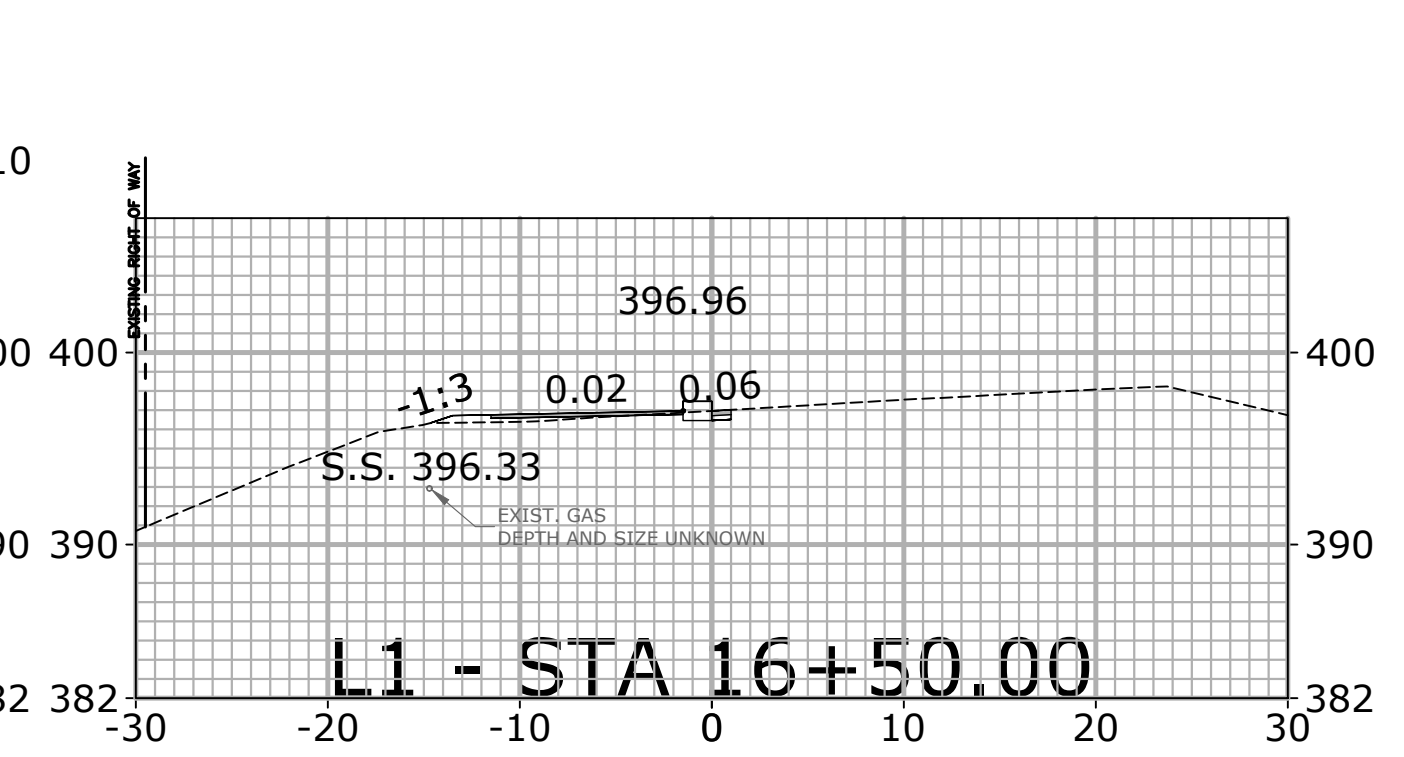
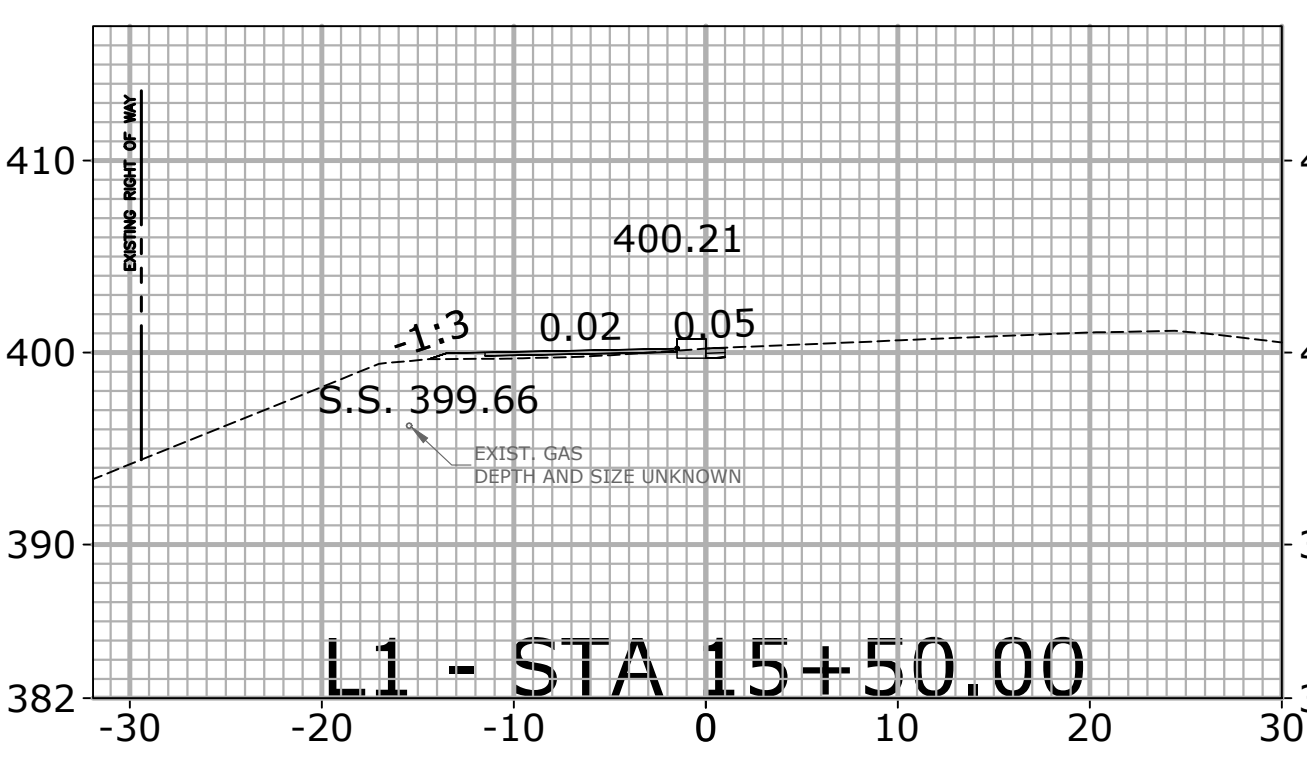
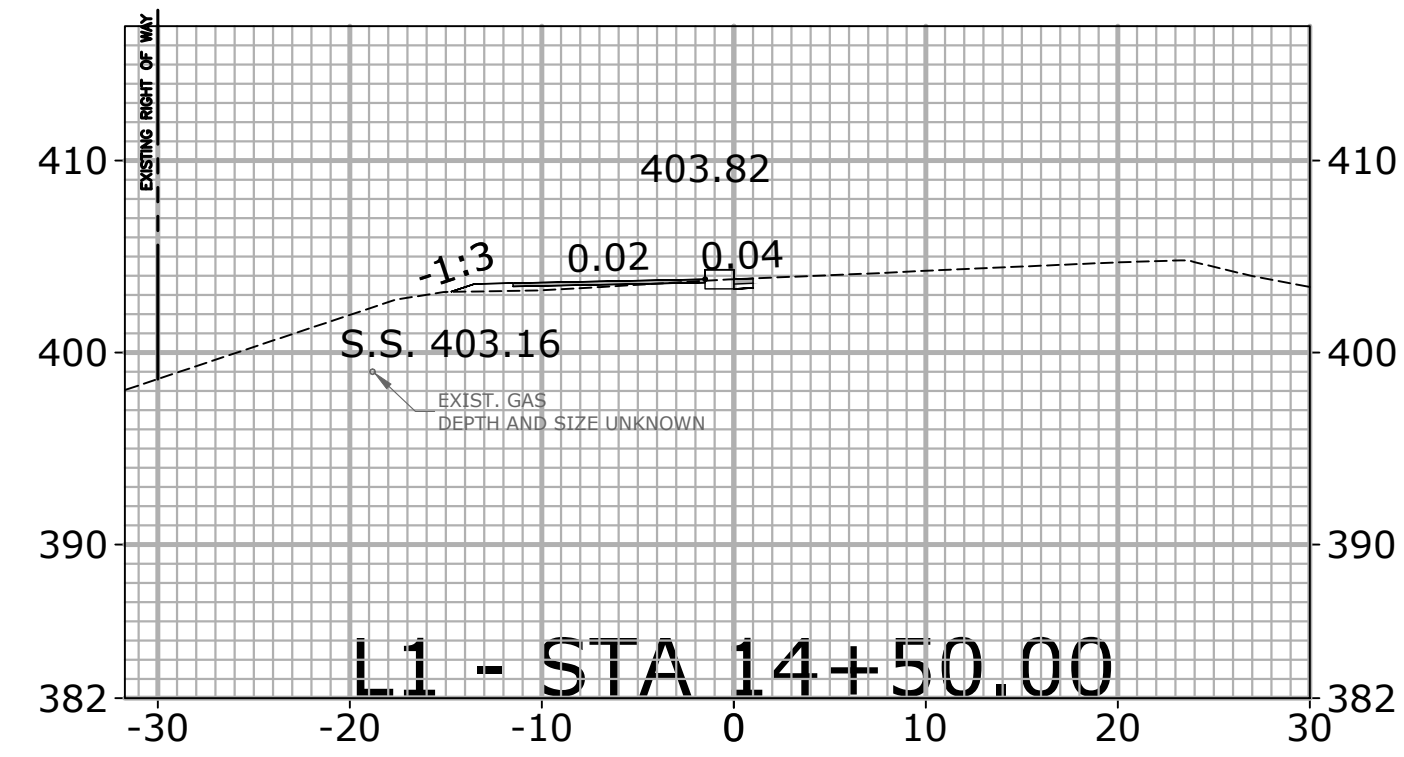
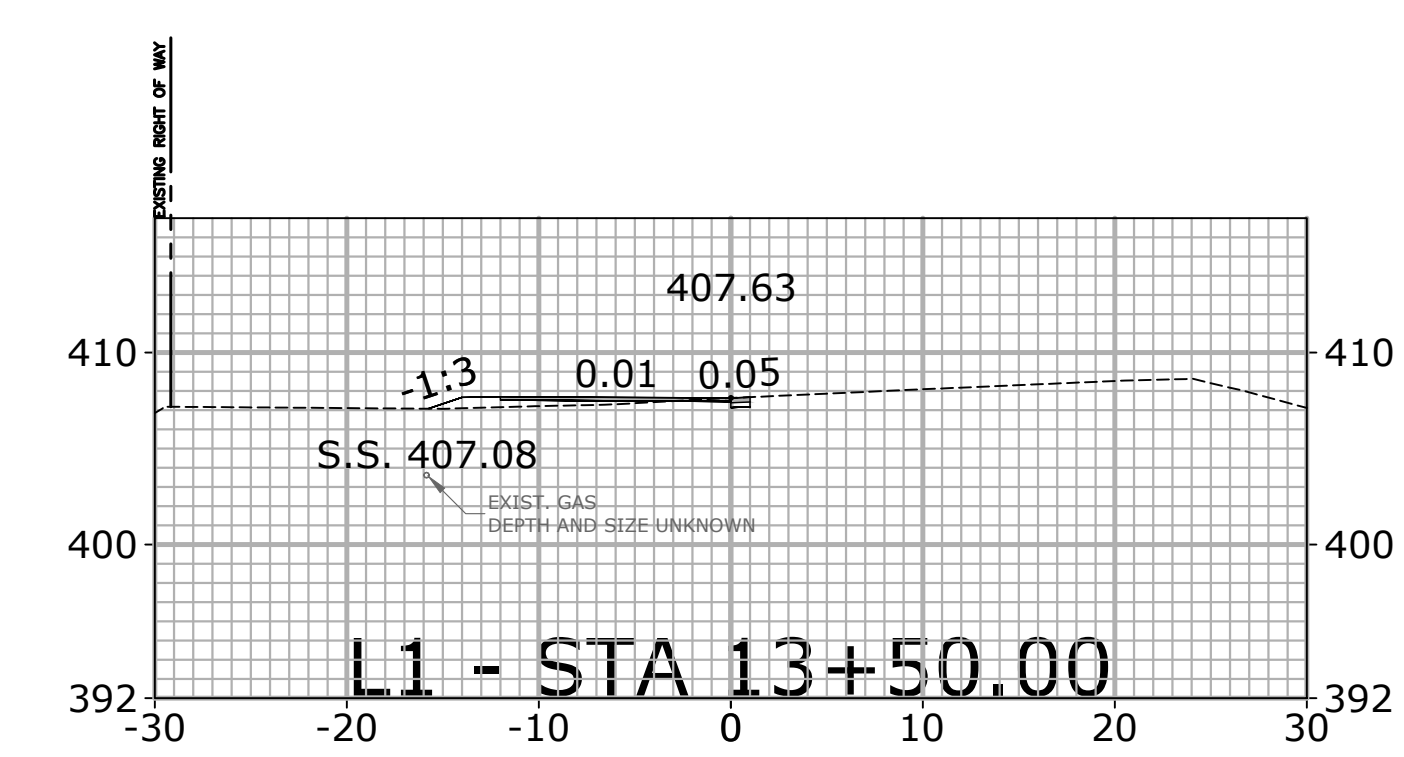
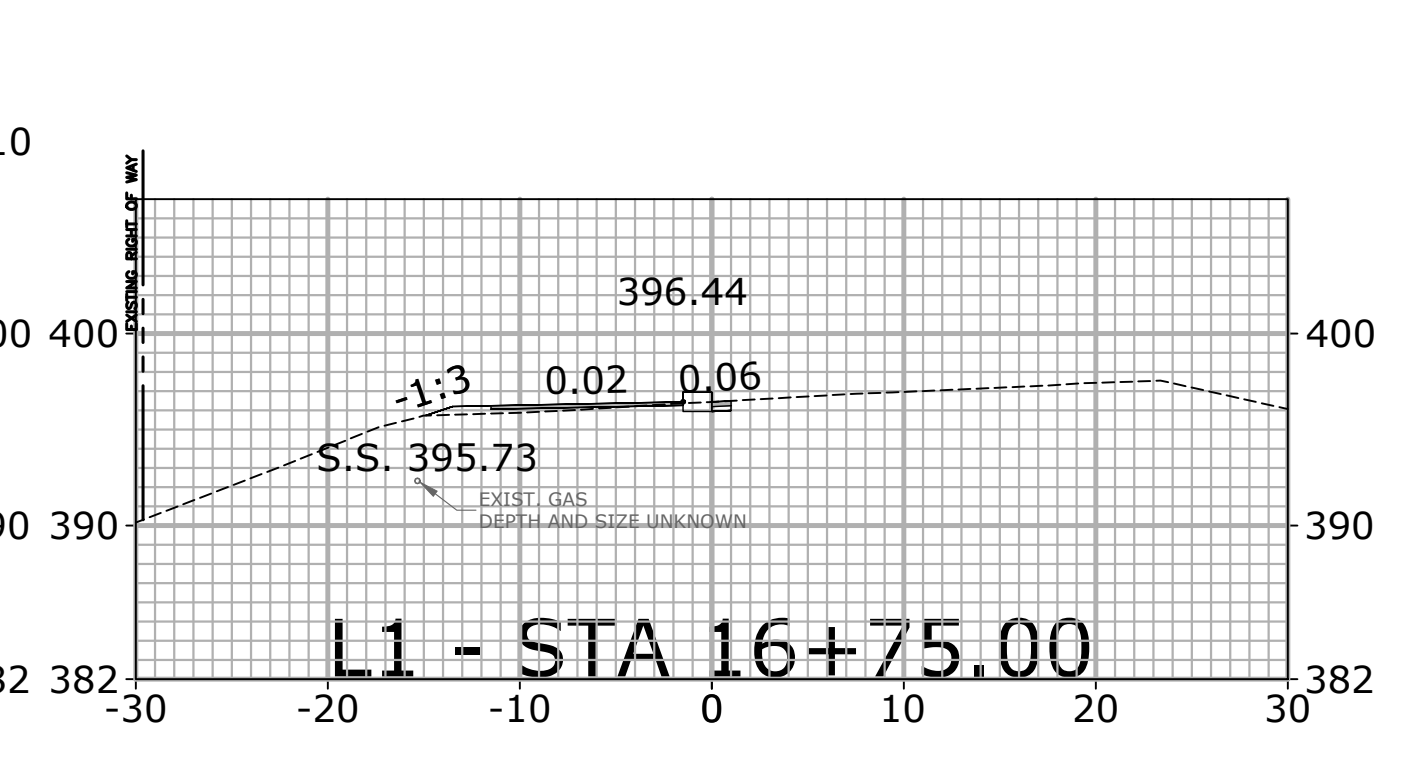
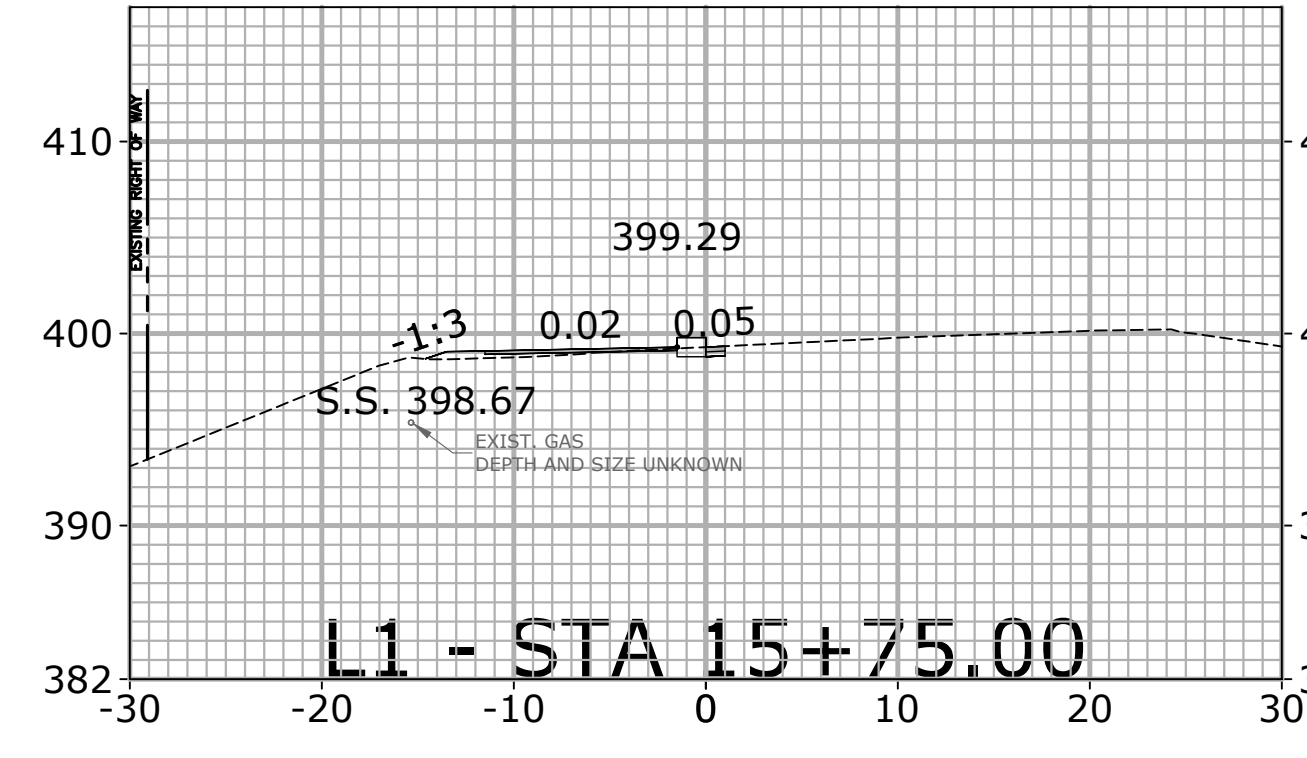
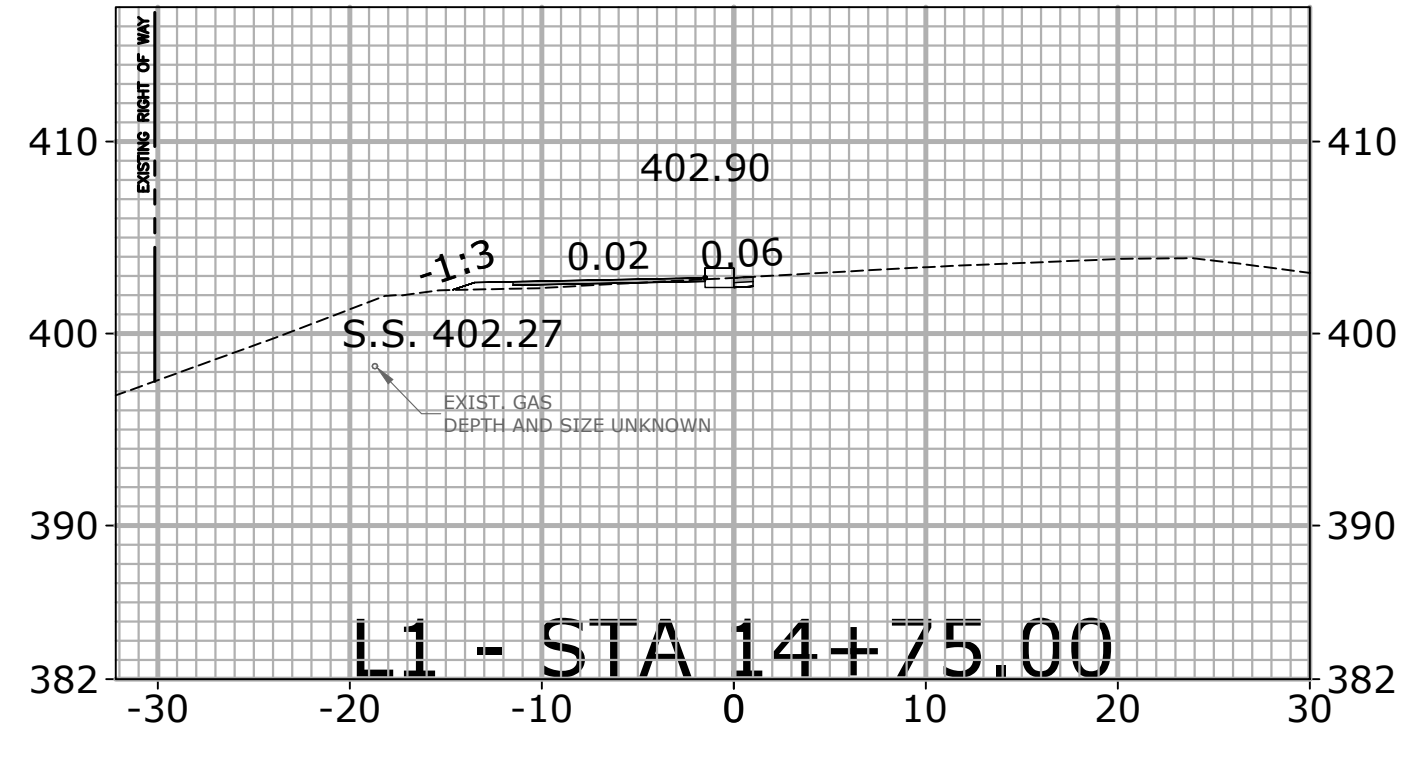
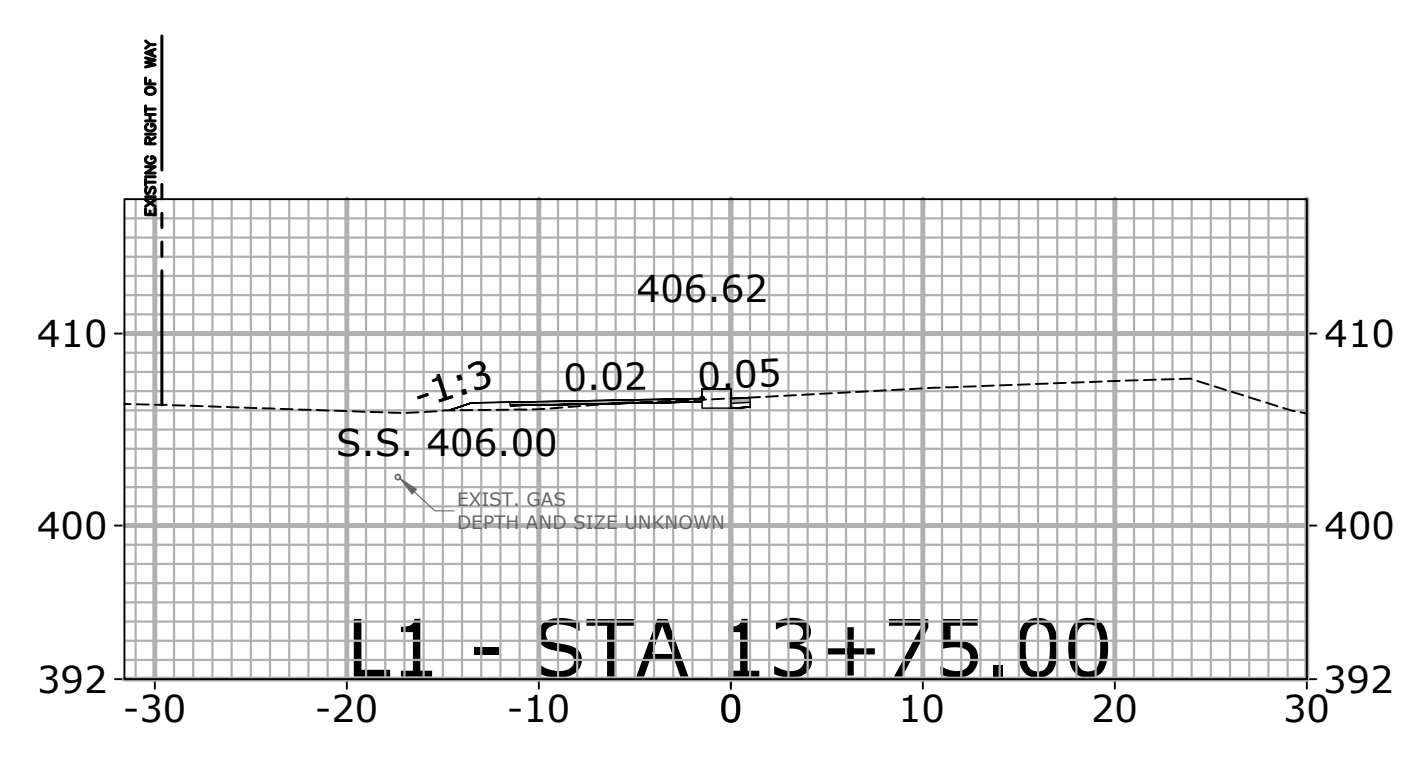
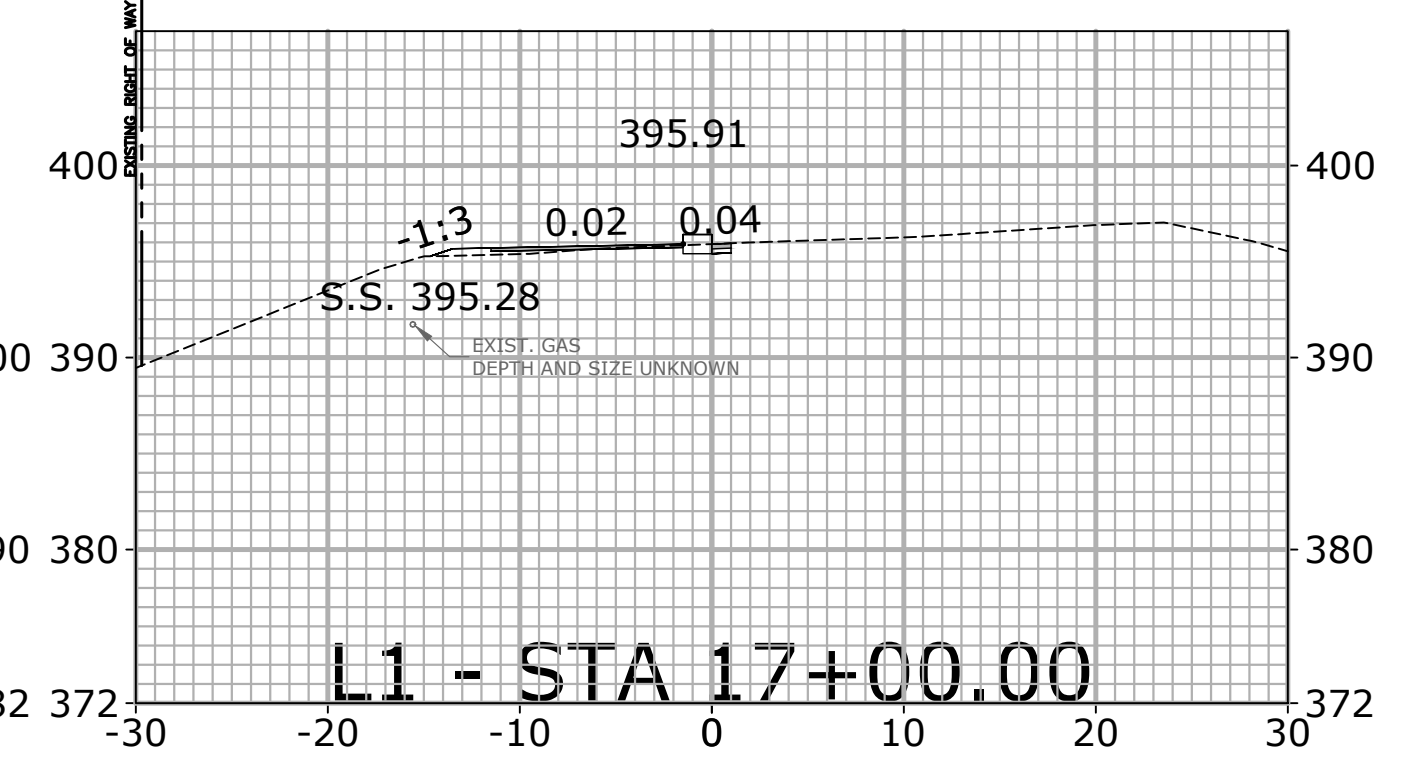
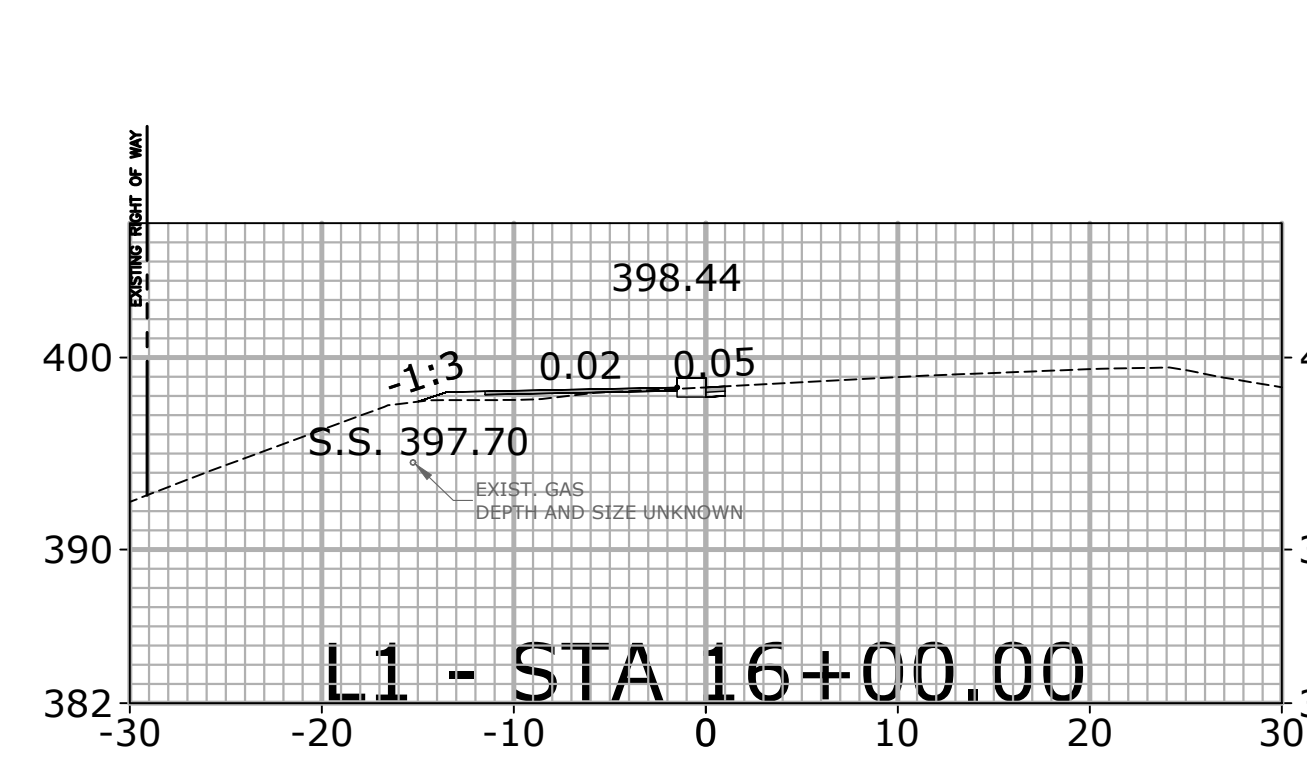
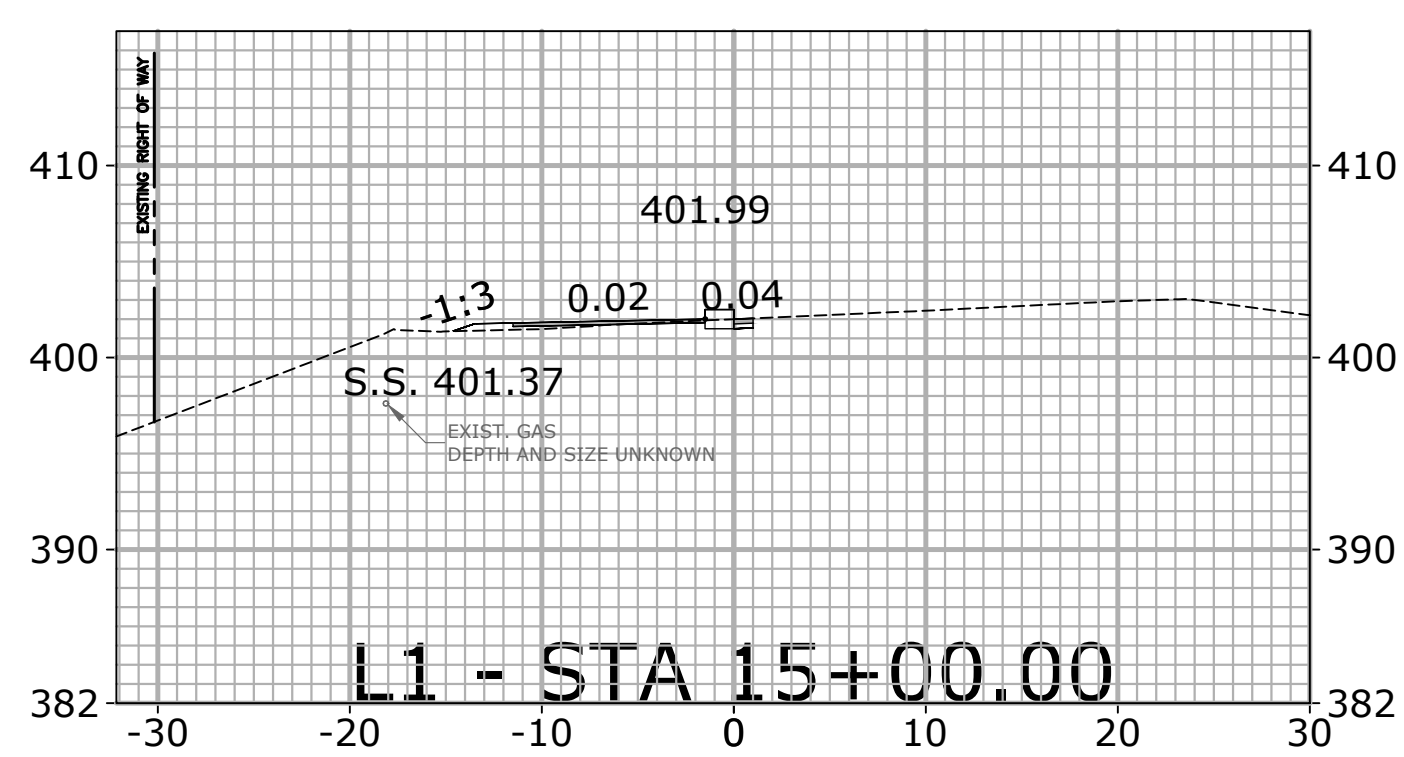
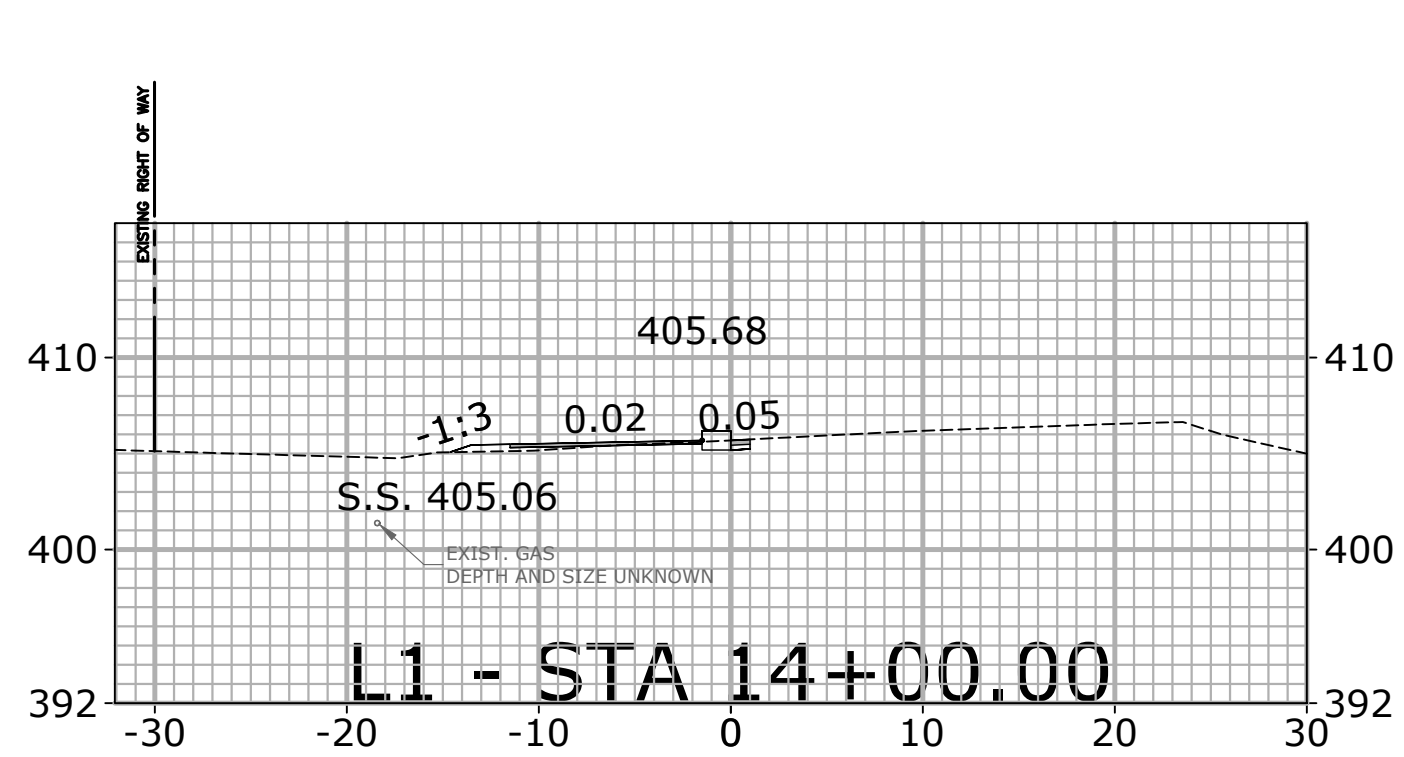
PLAN INFORMATION
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CHECKED BY GDB
DRAWN BY JP, ED
SCALE 1" = 30'
DATE 03/15/2022

UO-7

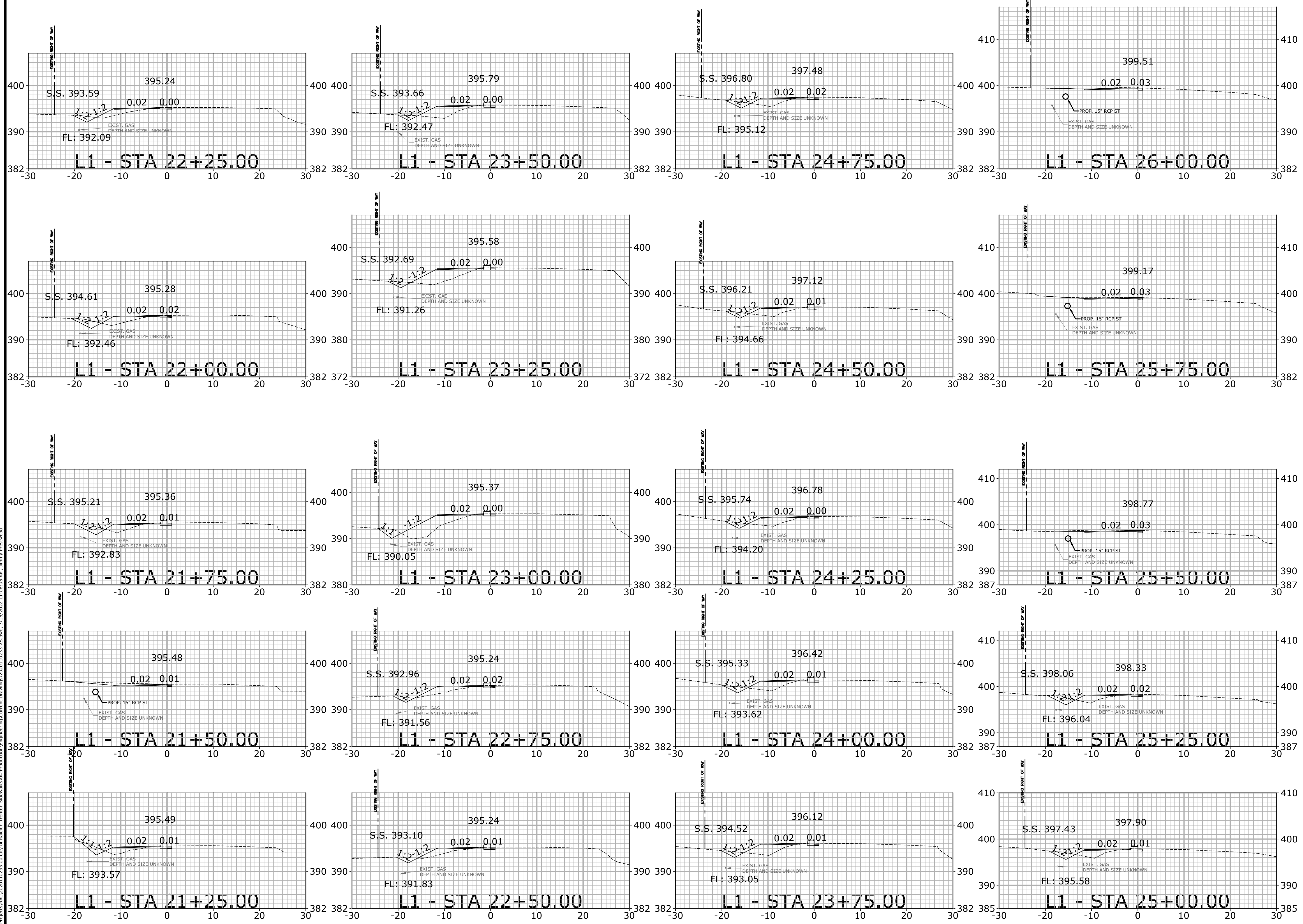
TRENTON ROAD CONNECTOR

CROSS-SECTION INDEX

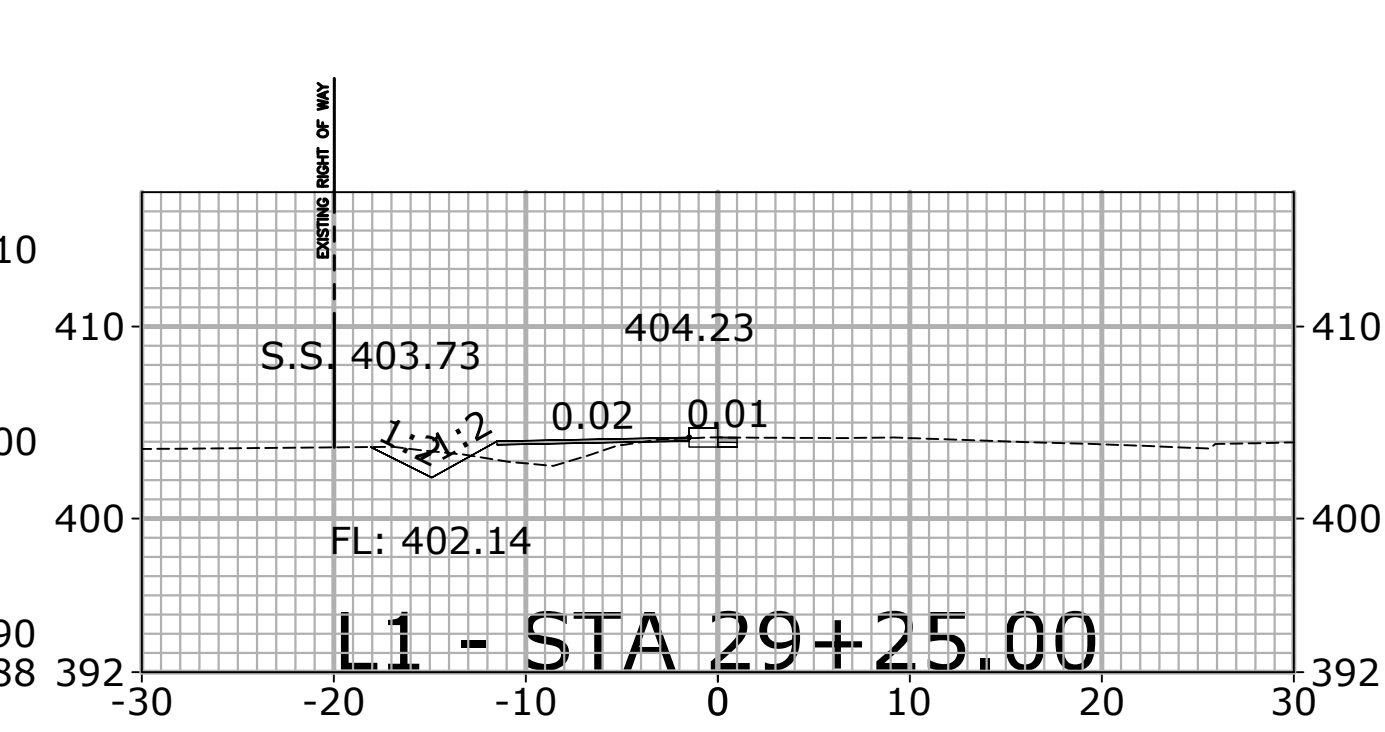
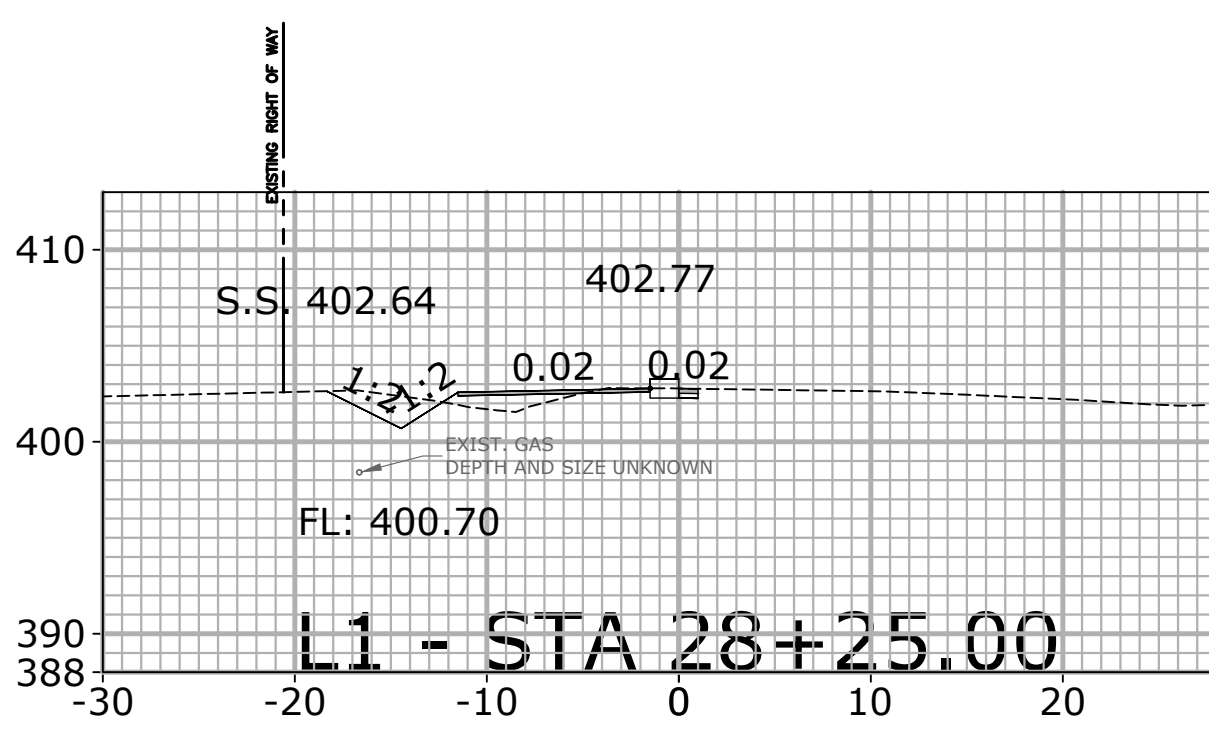
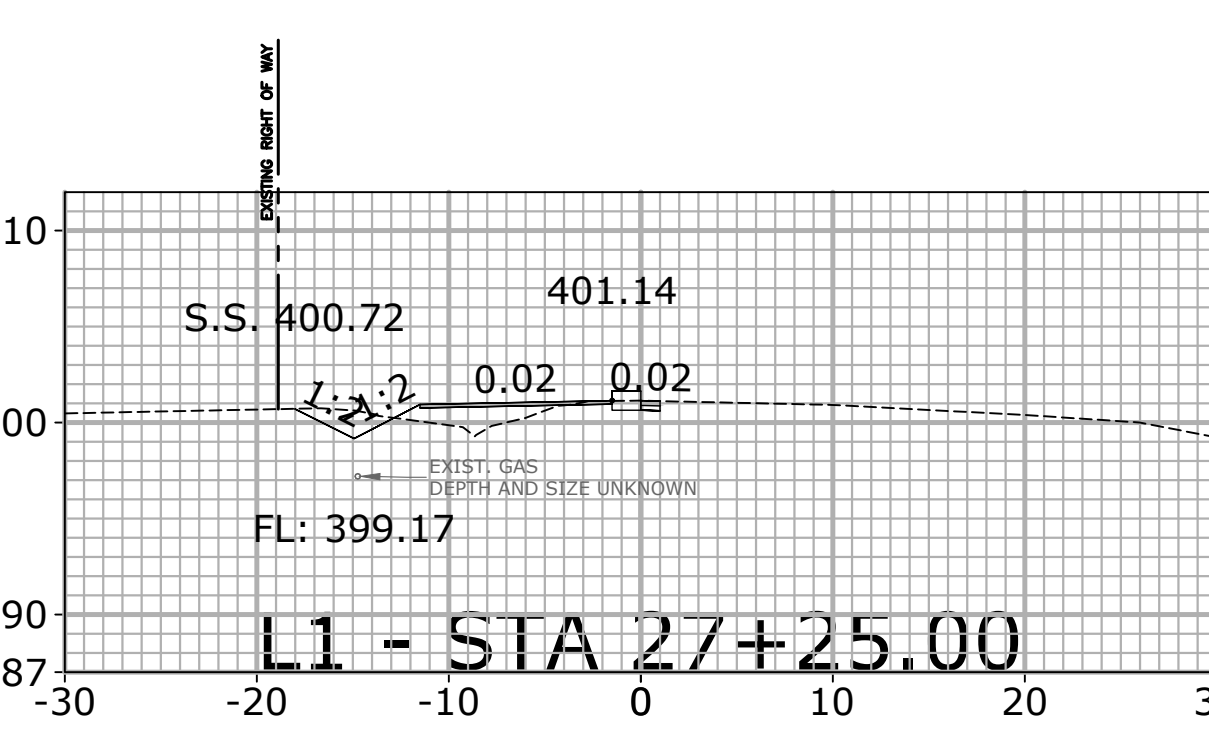
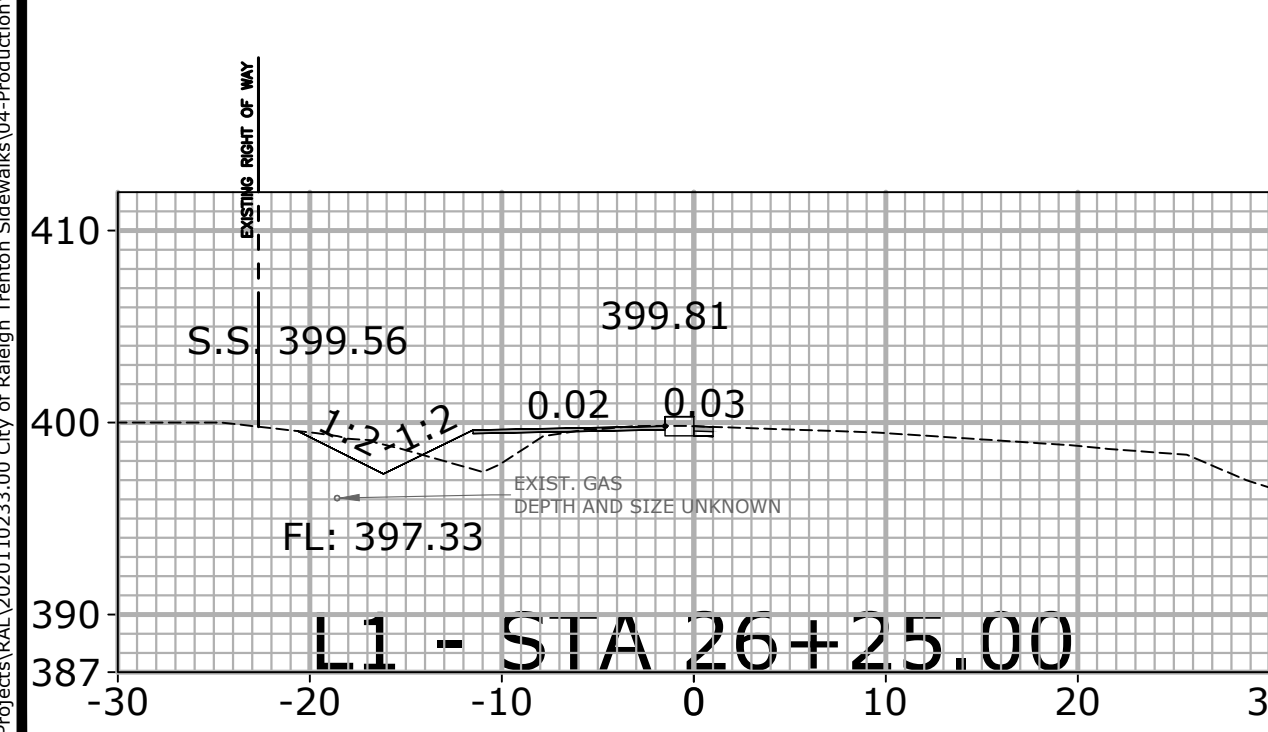
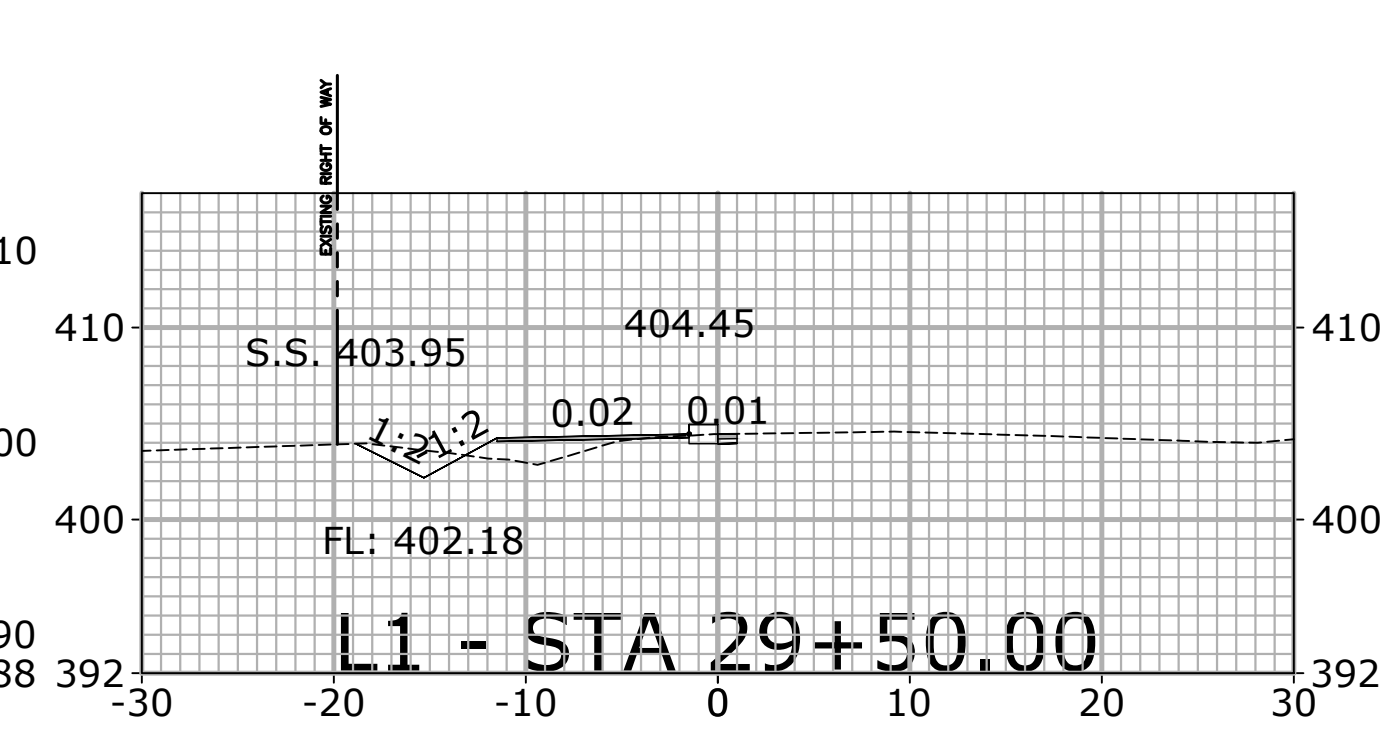
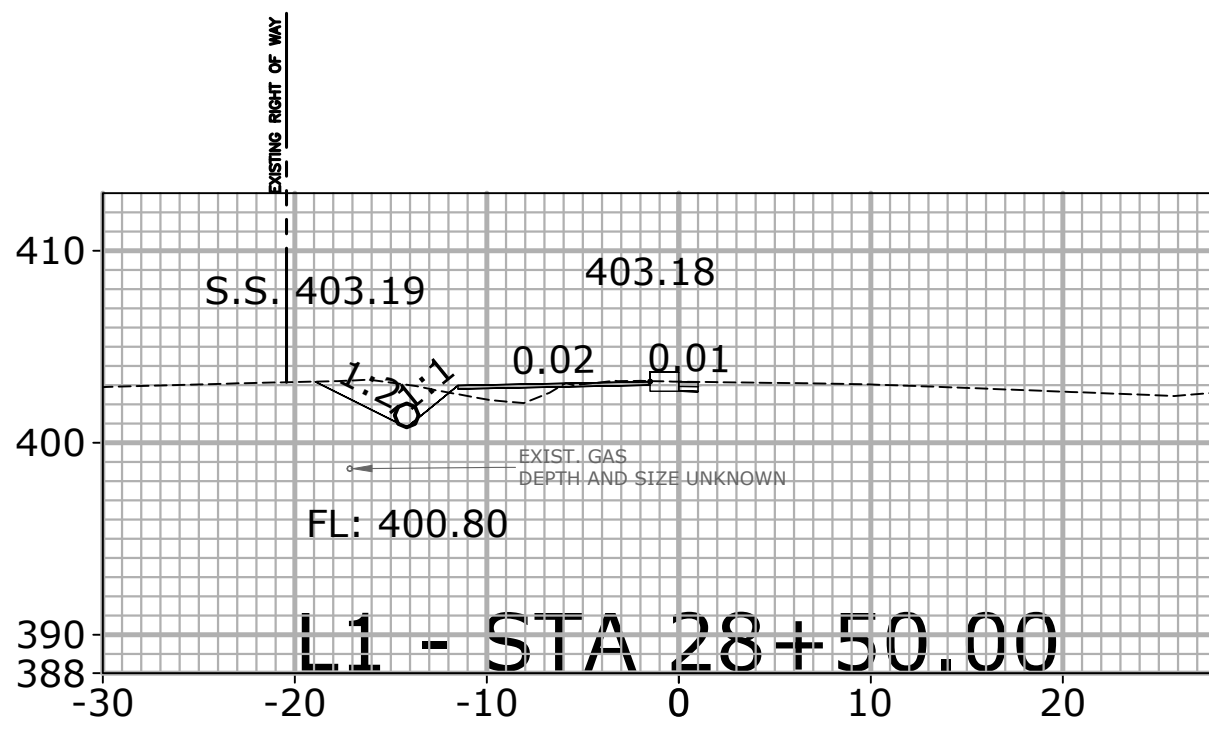
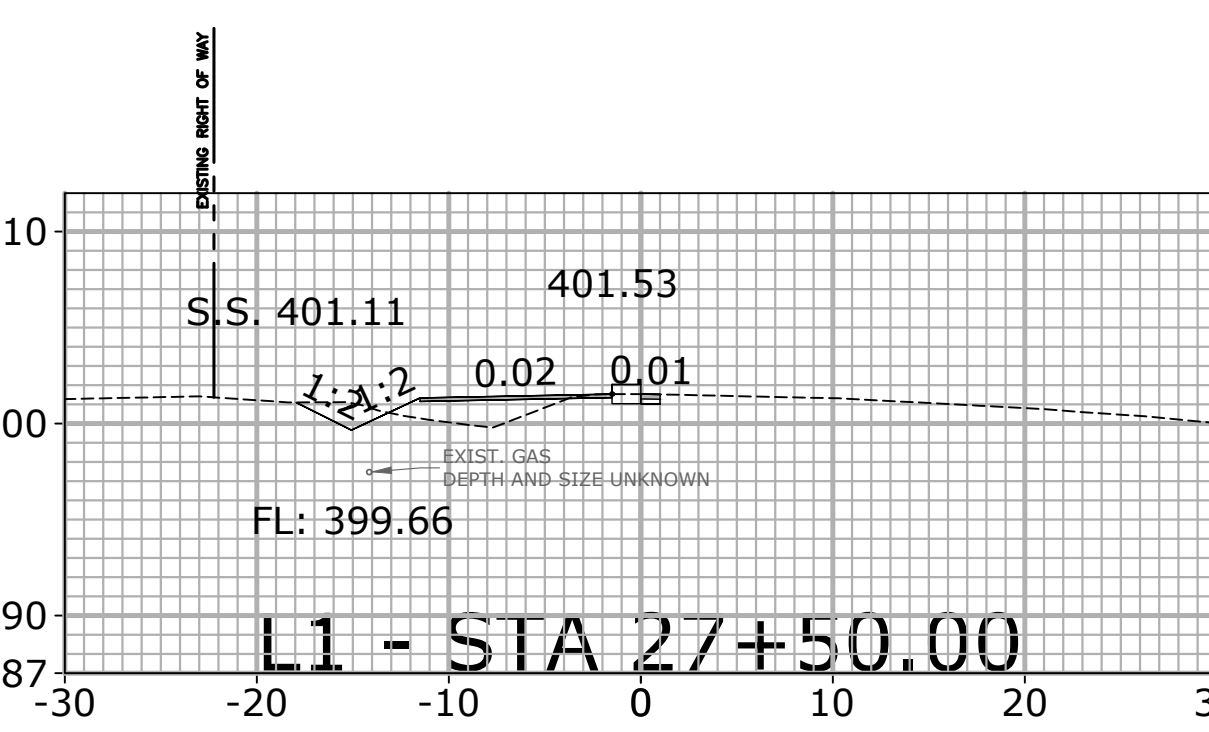
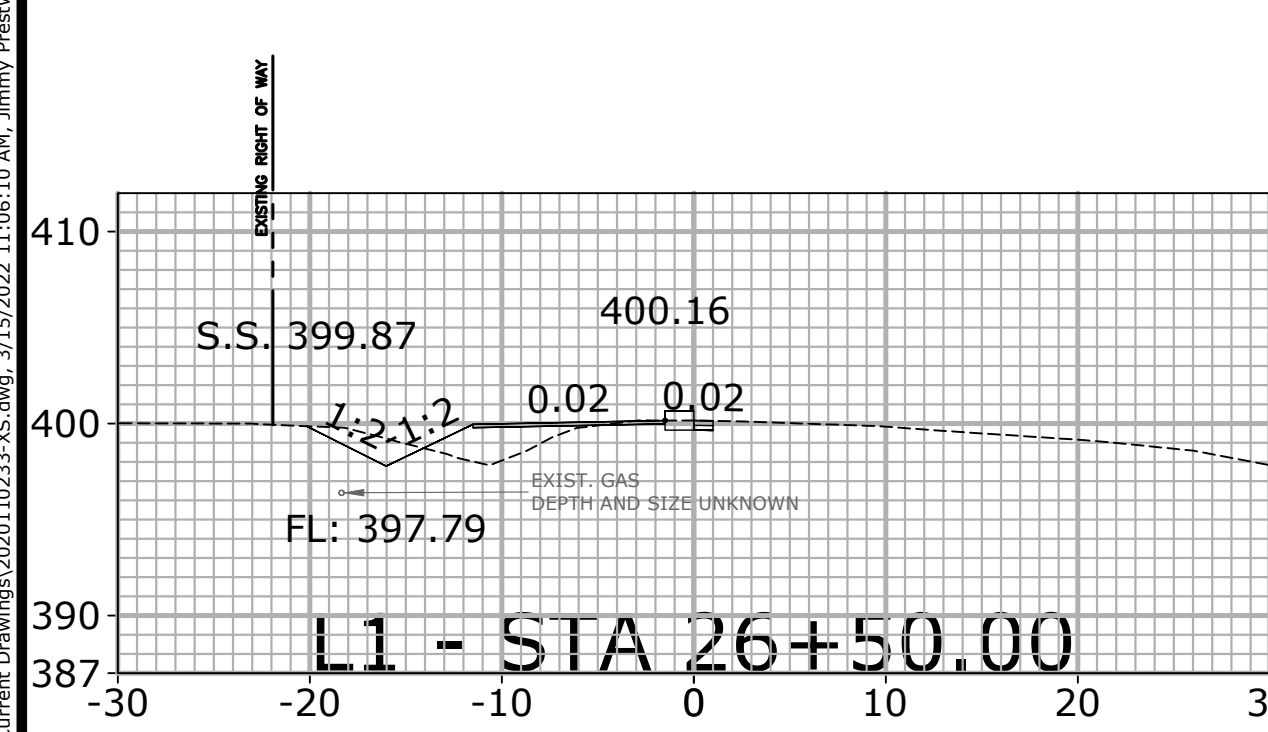
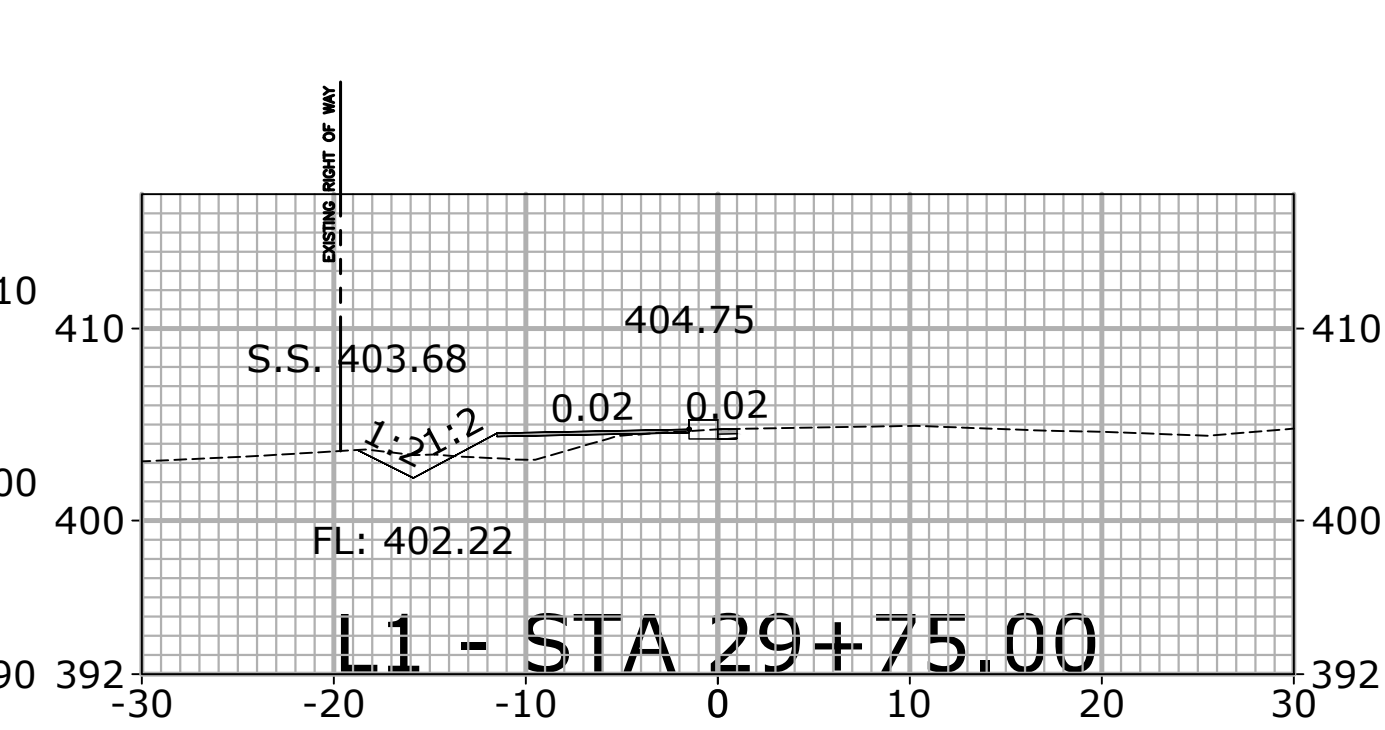
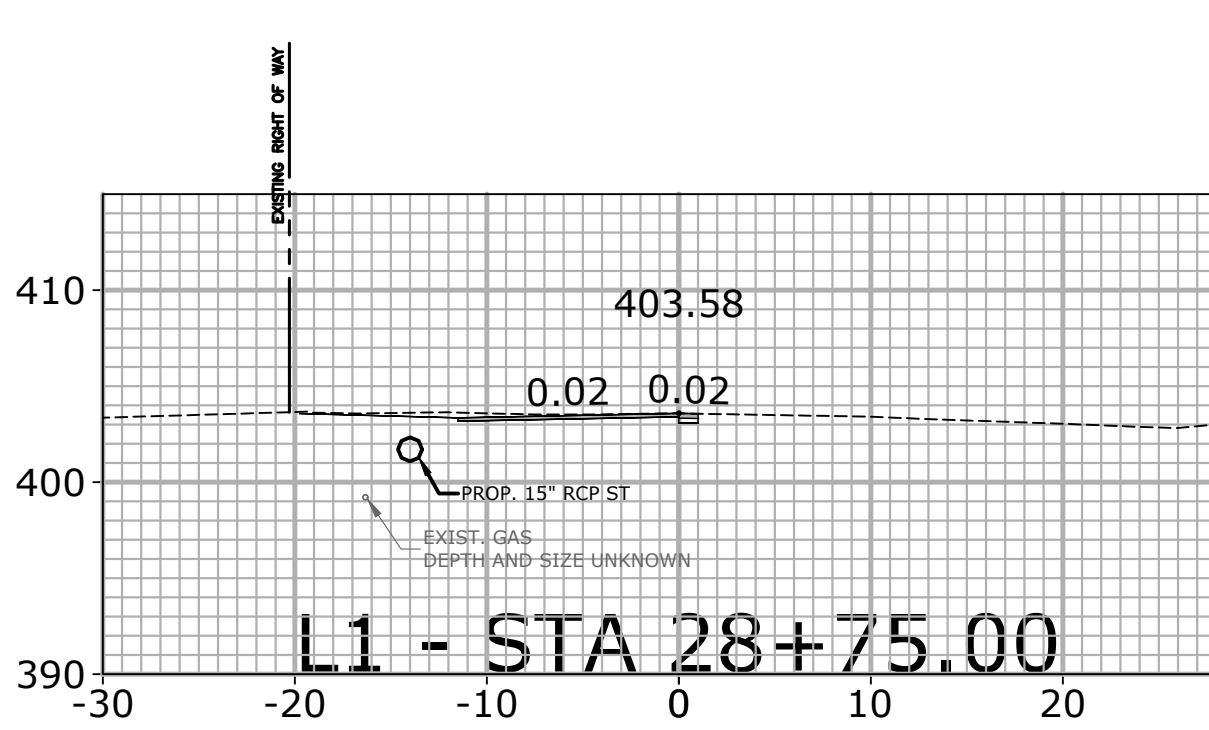
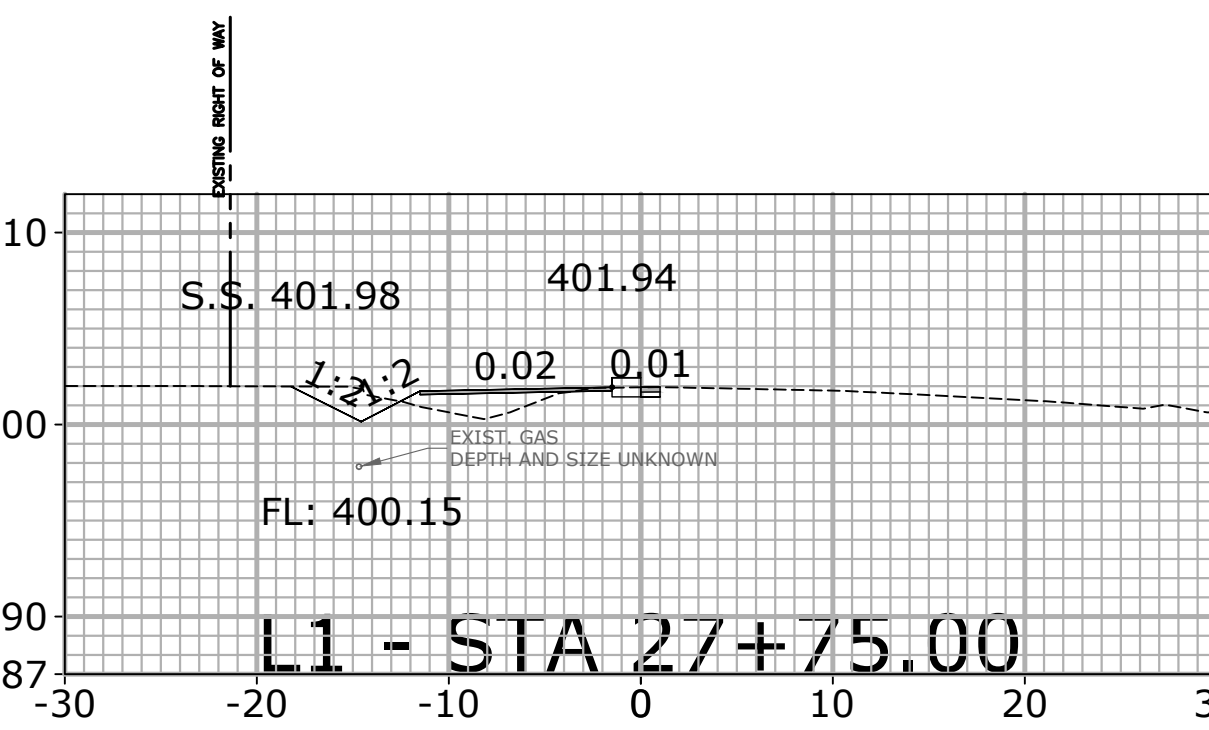
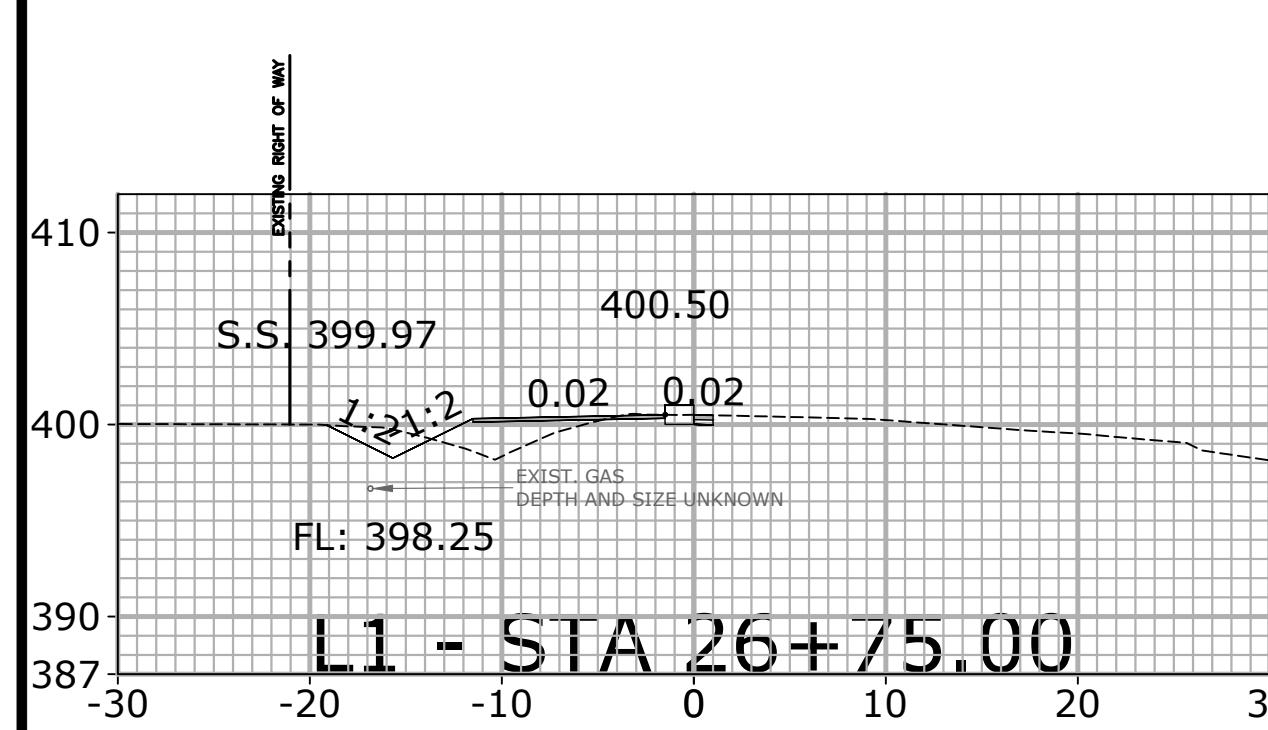
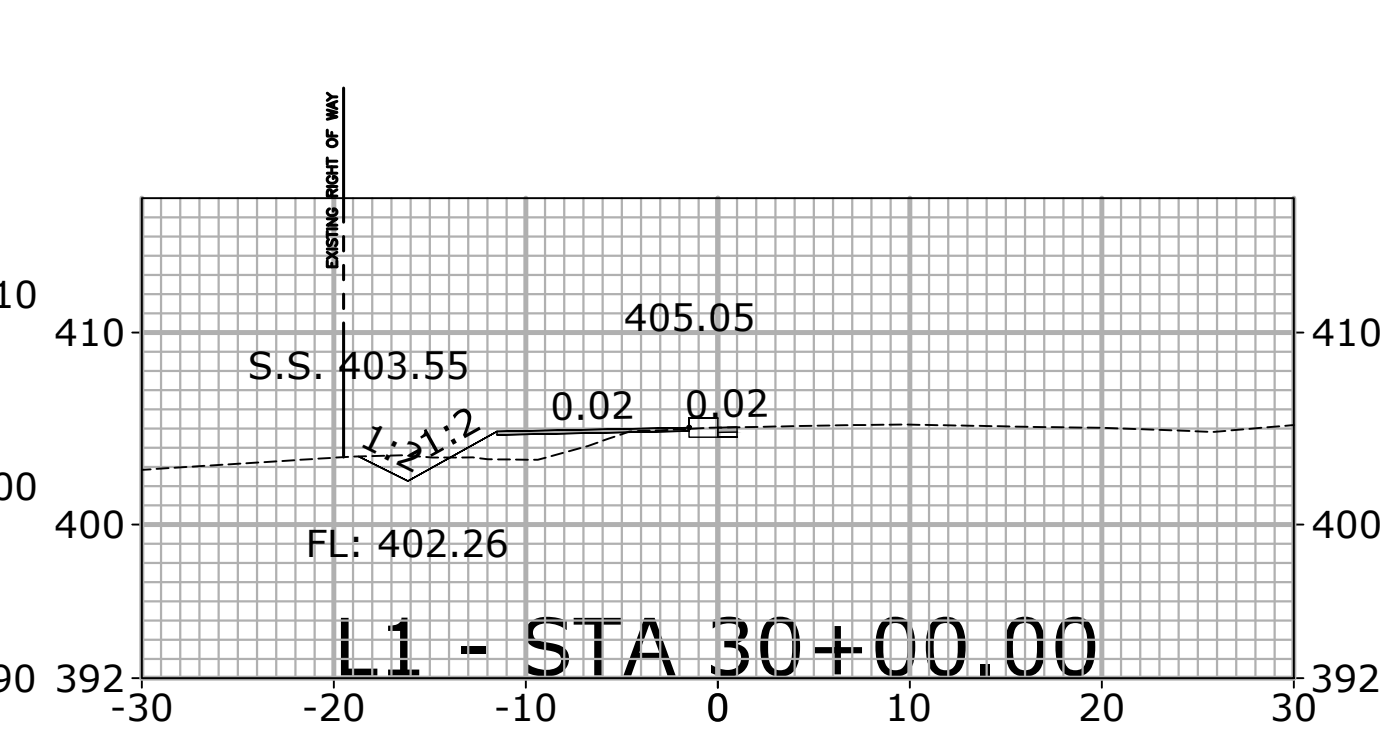
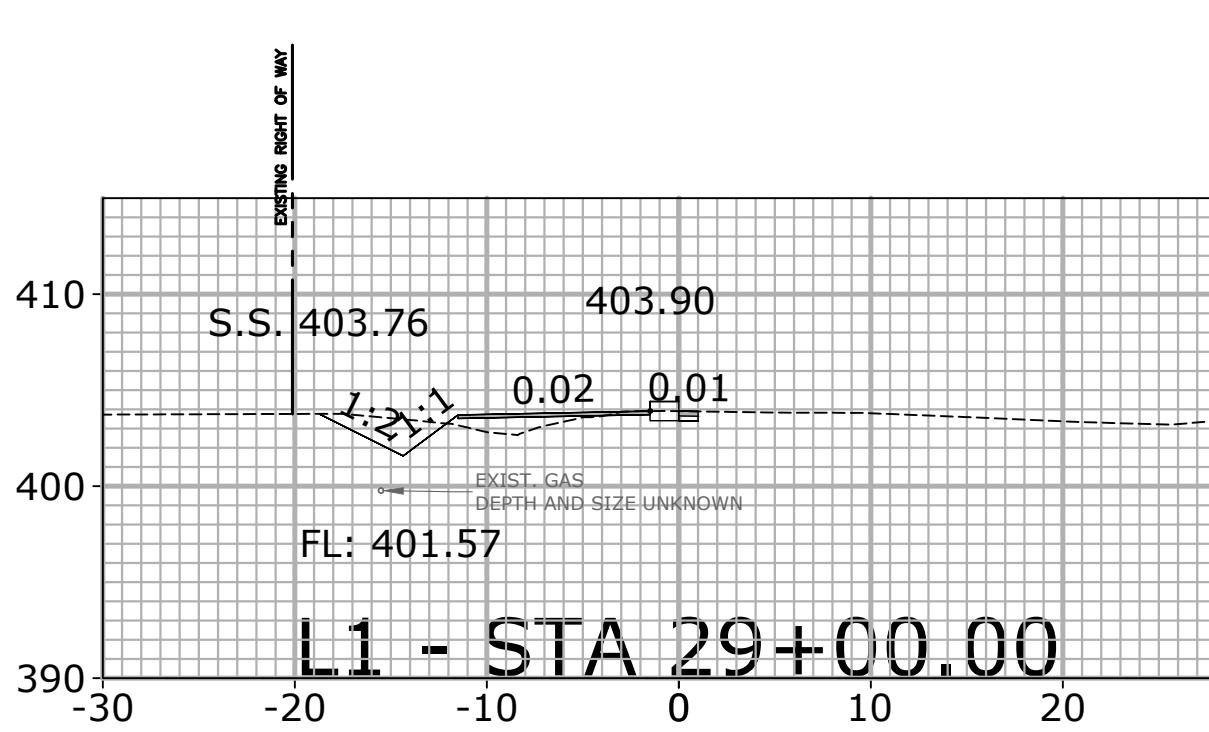
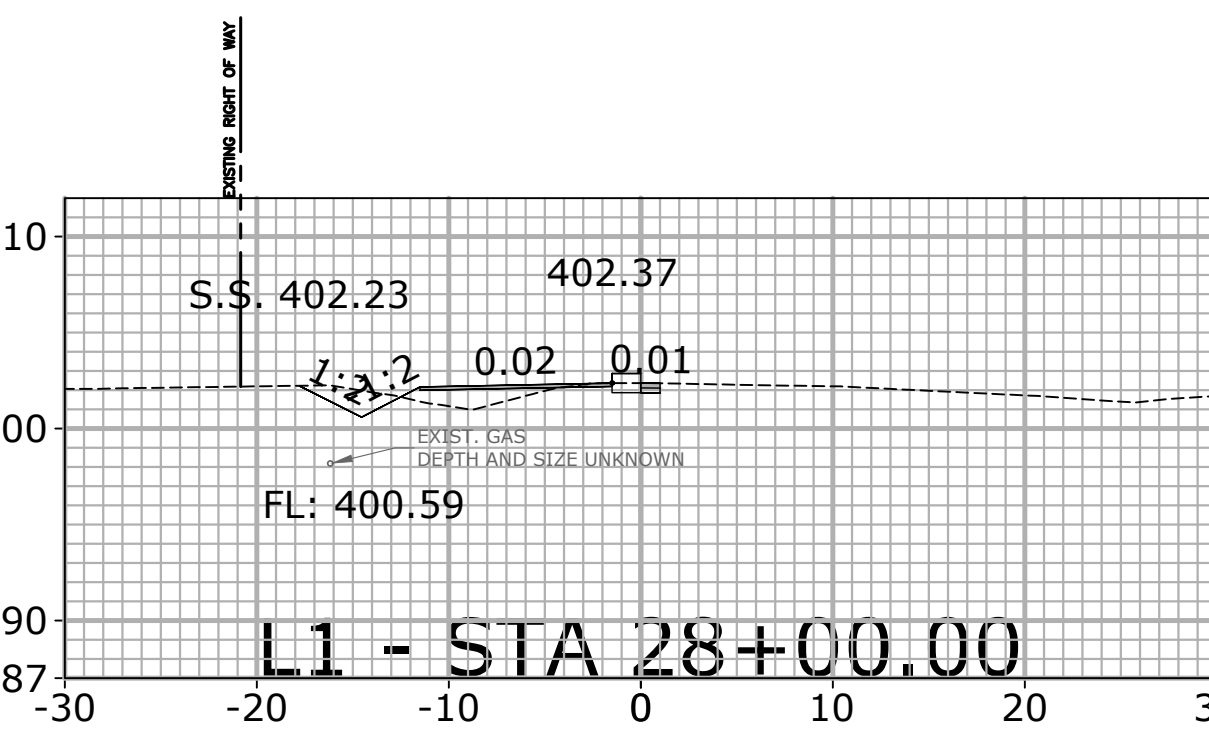
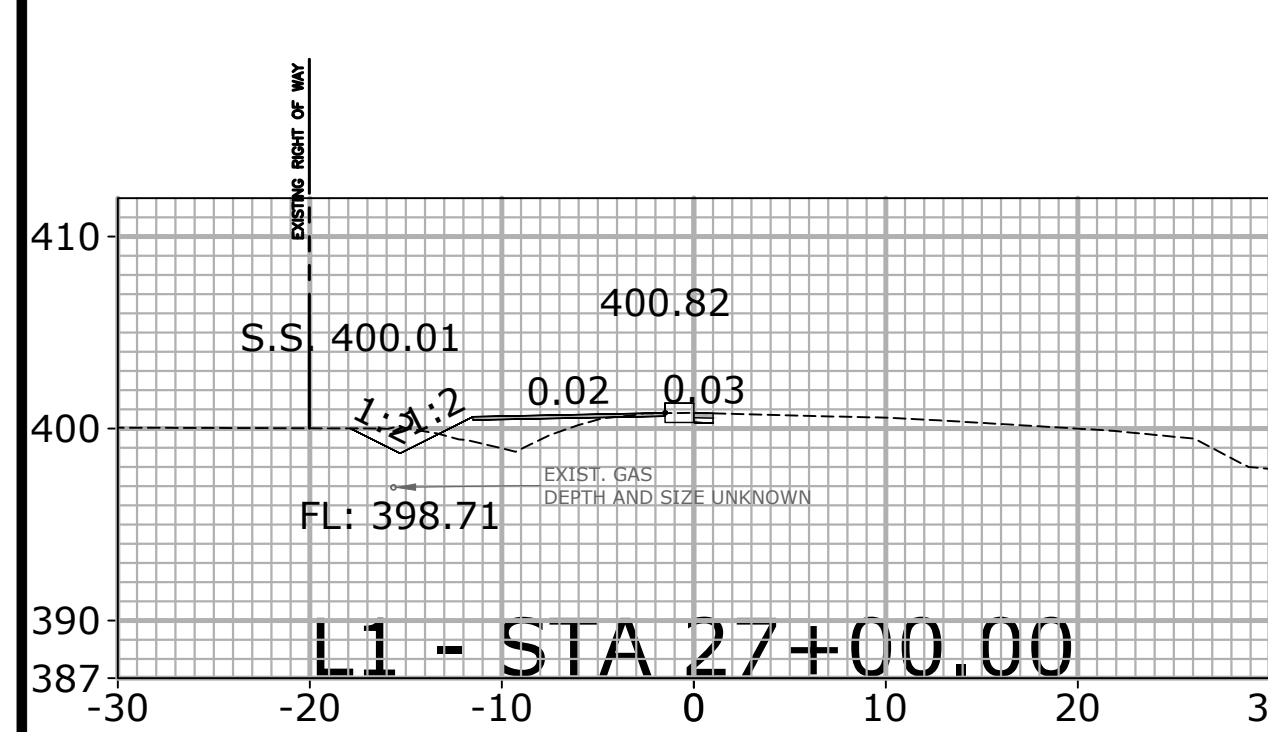
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L1	26+25.00	30+00.00	X-4
L1	30+25.00	34+00.00	X-5
L1	34+25.00	38+00.00	X-6
L1	38+25.00	42+00.00	X-7
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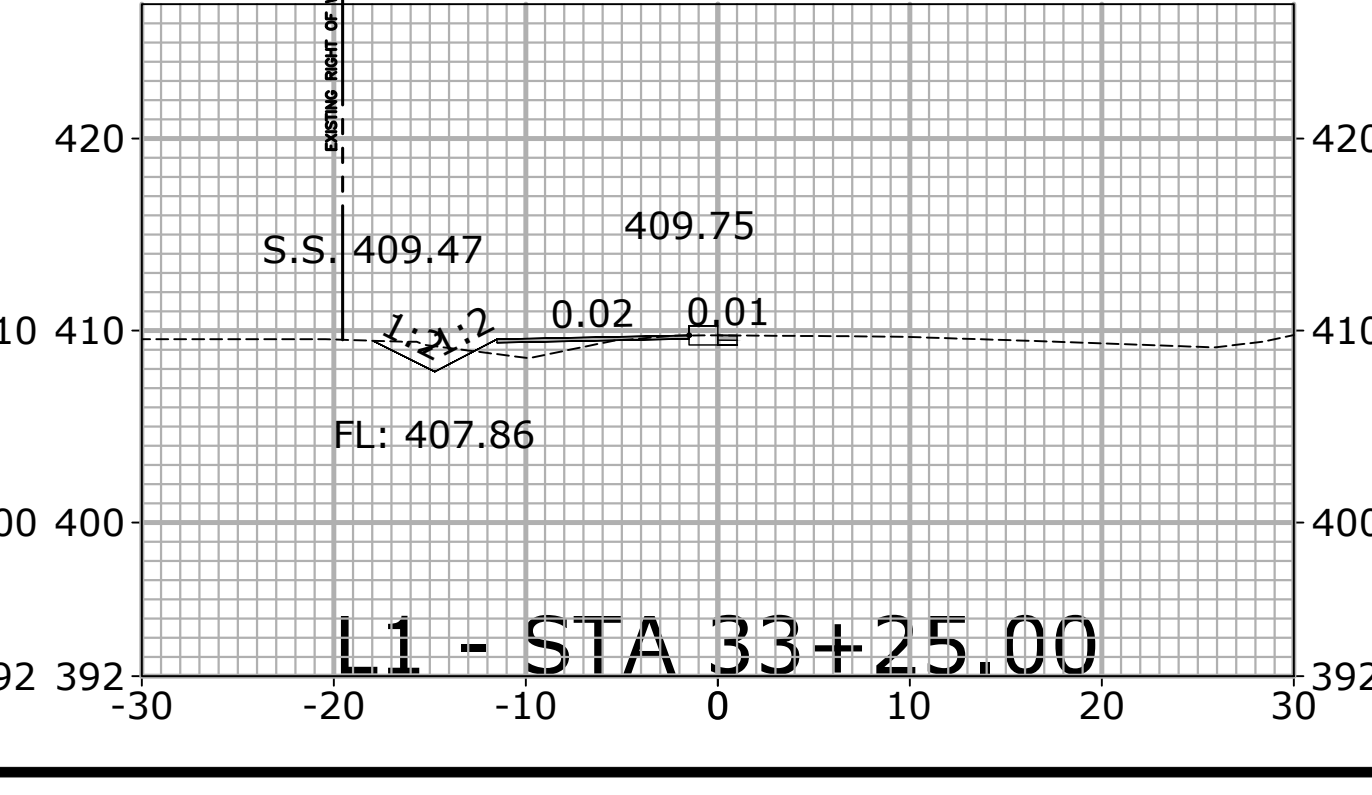
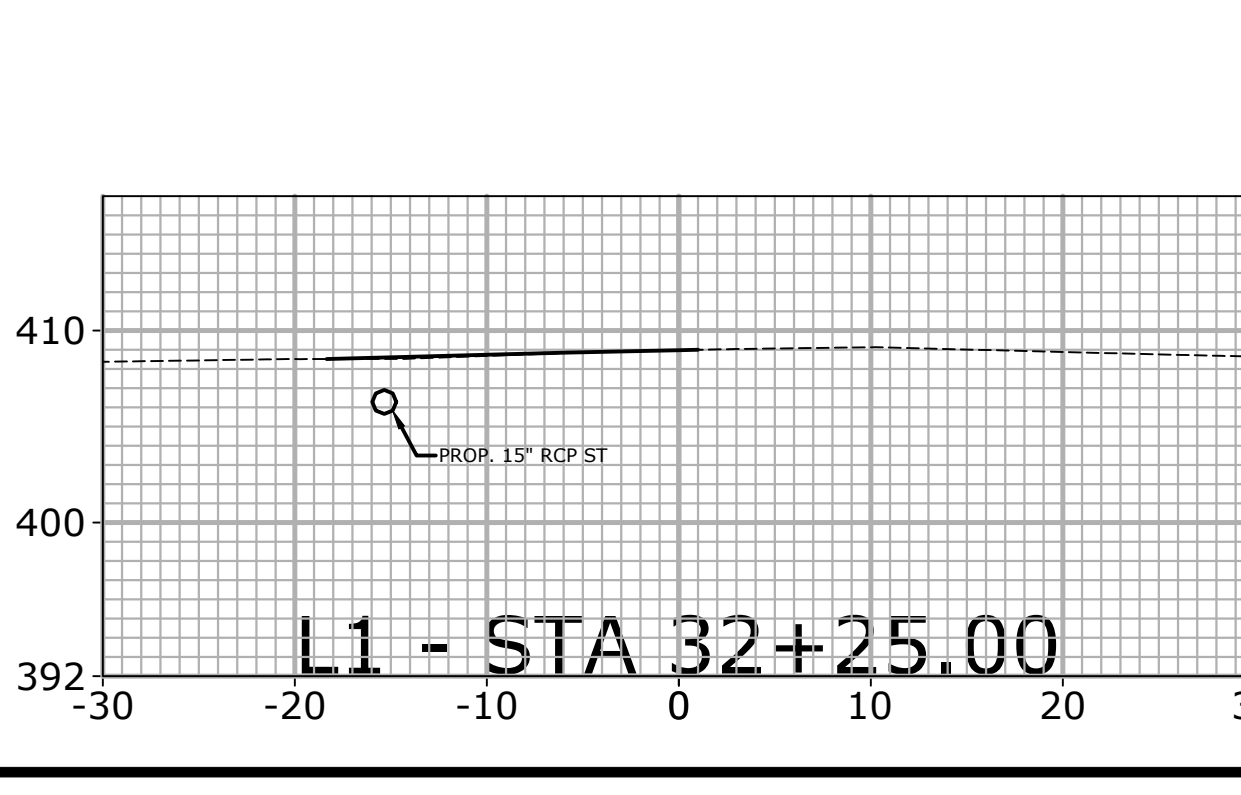
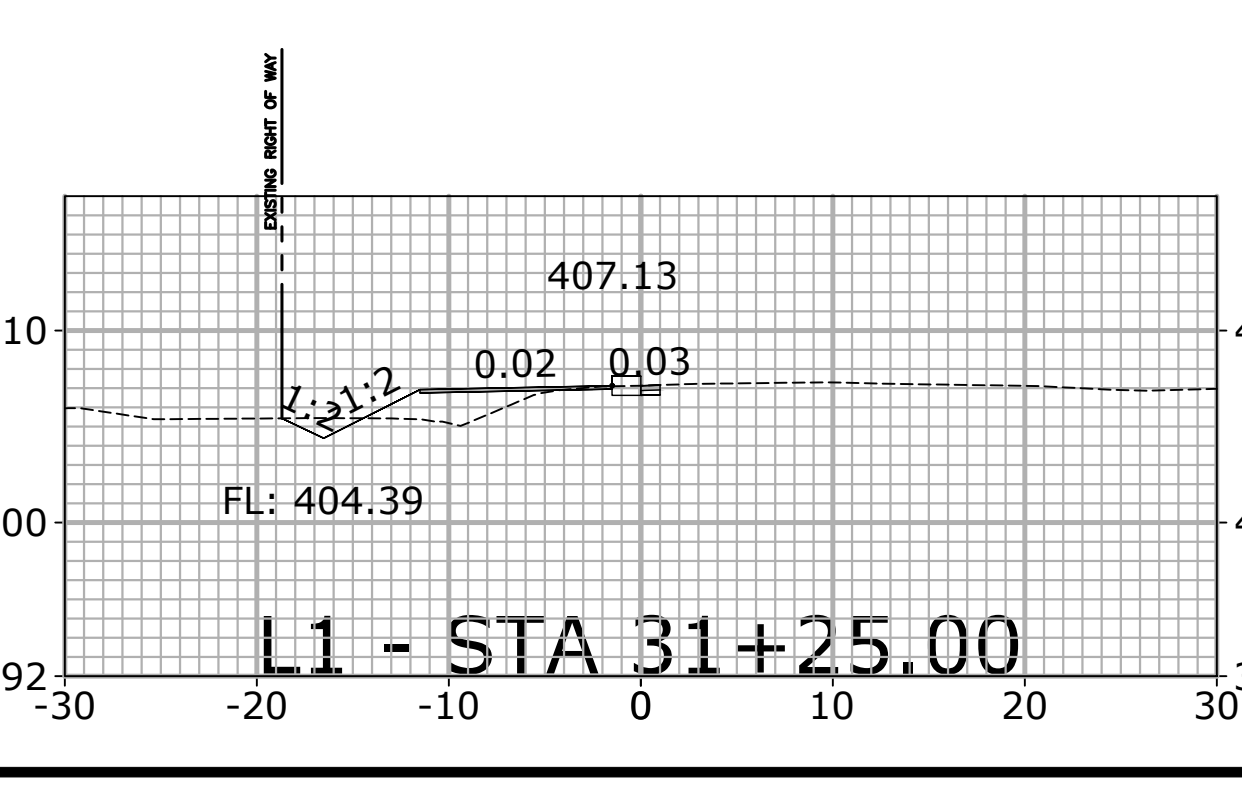
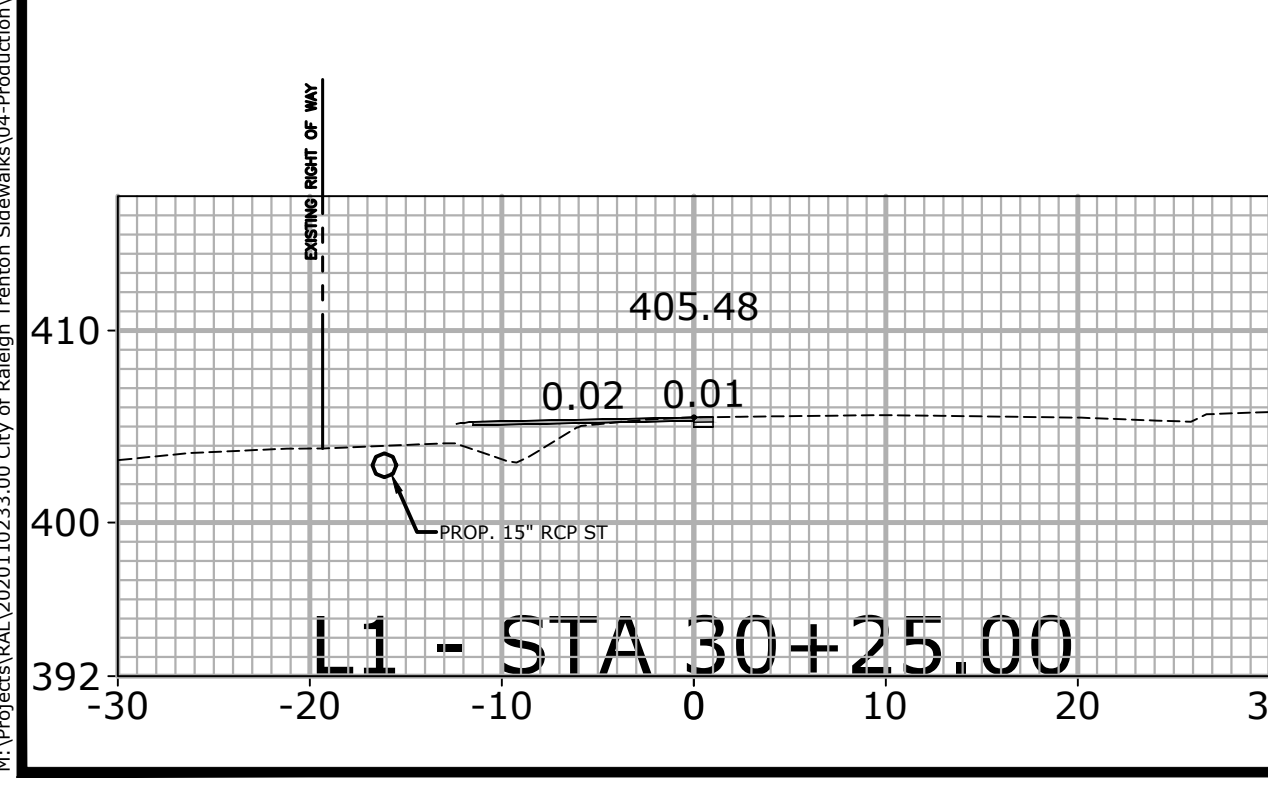
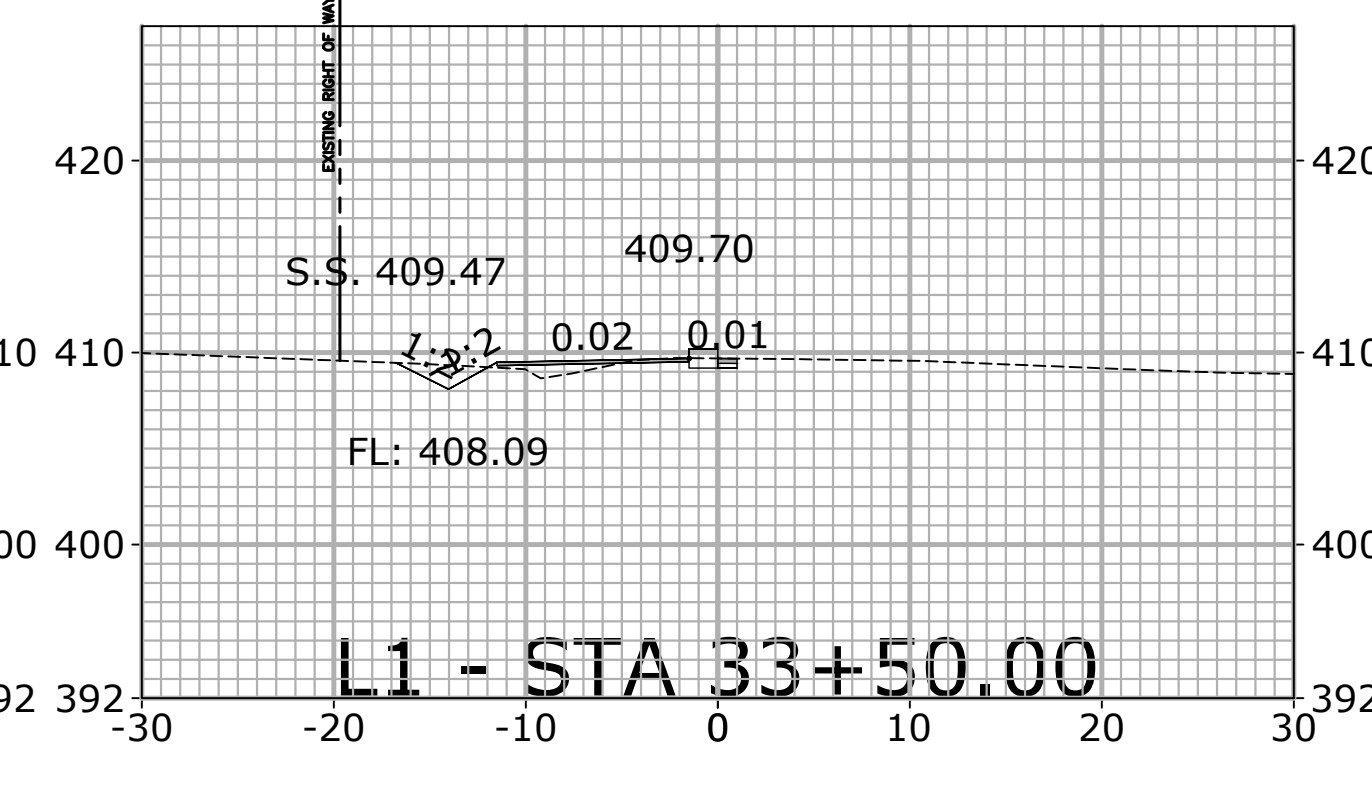
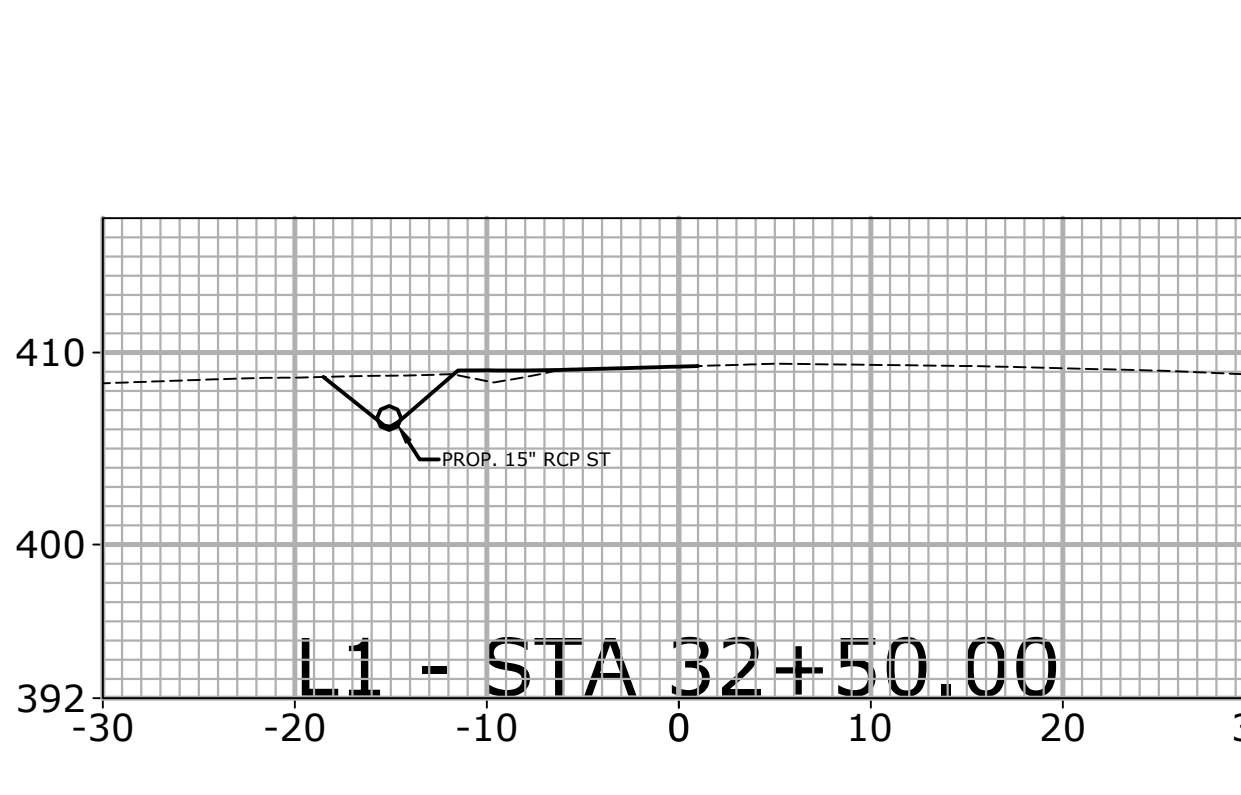
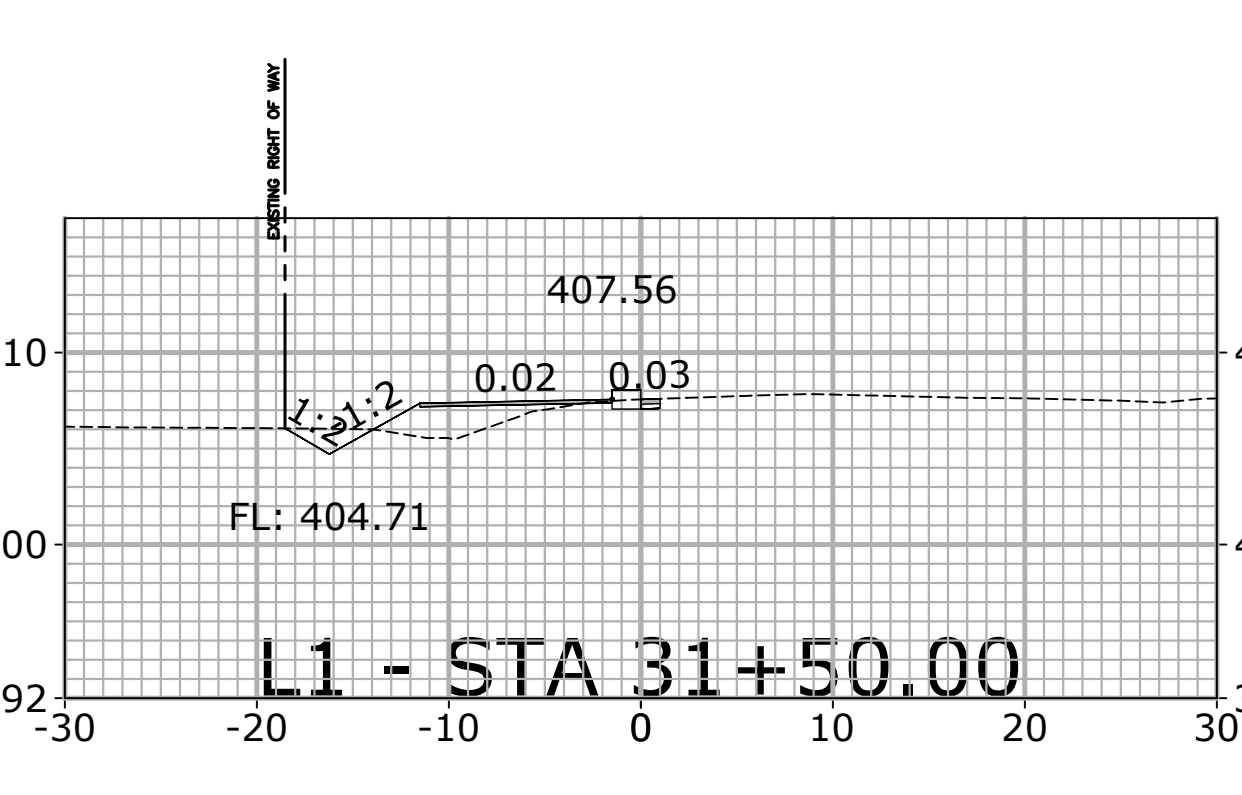
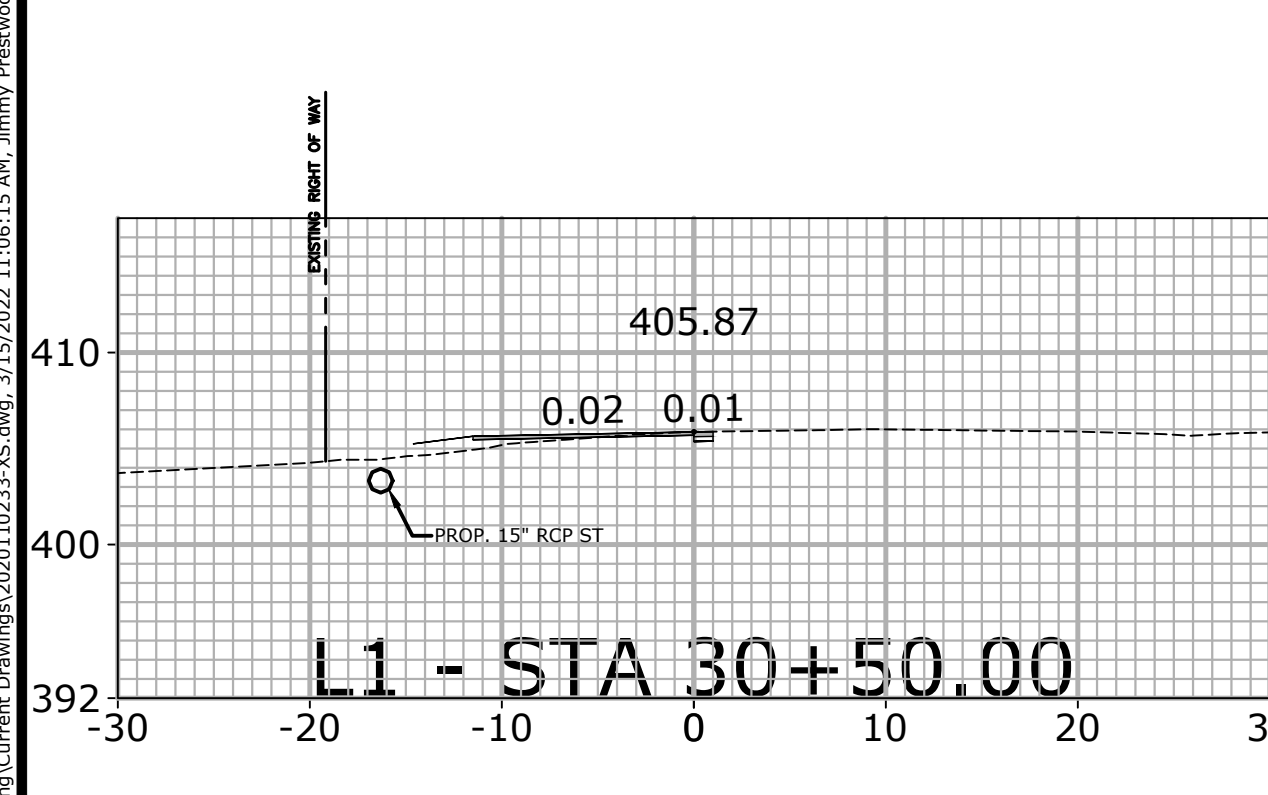
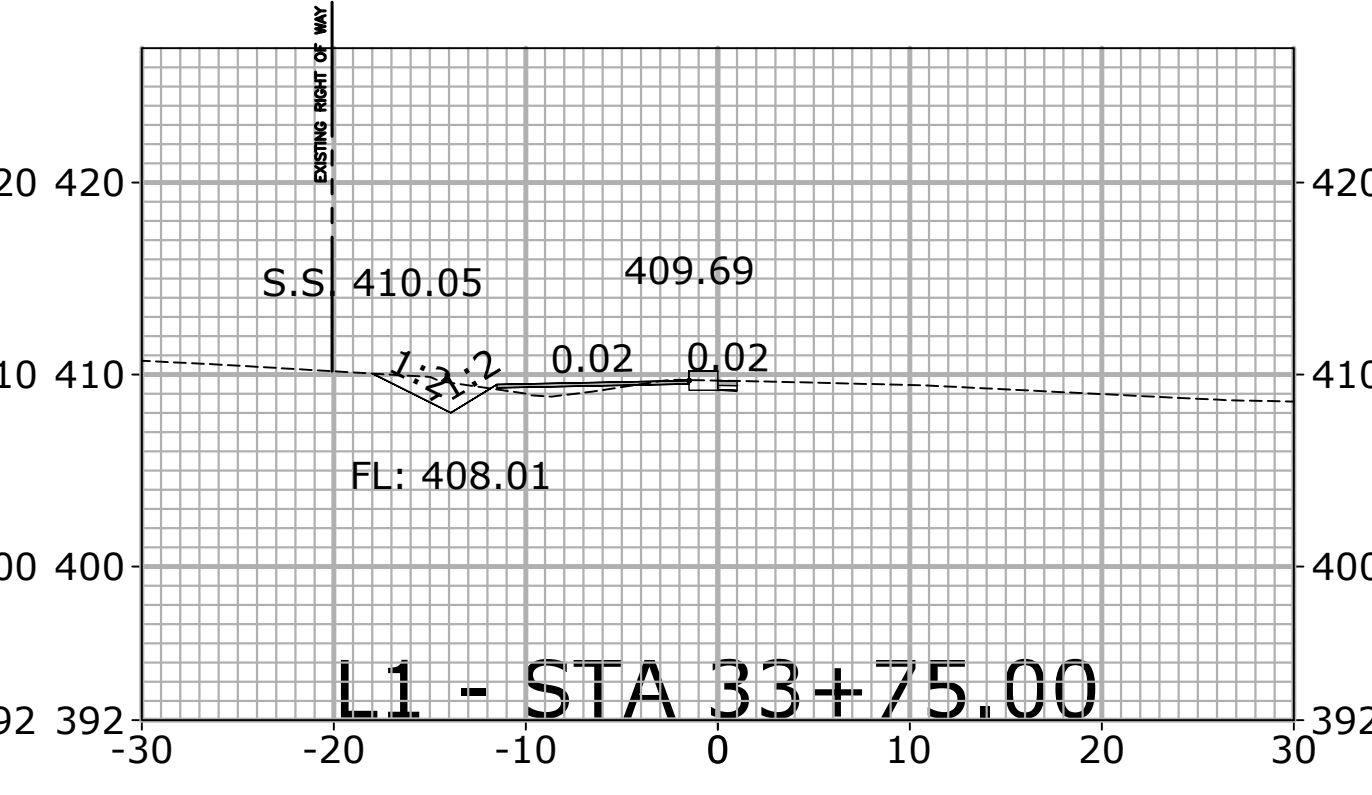
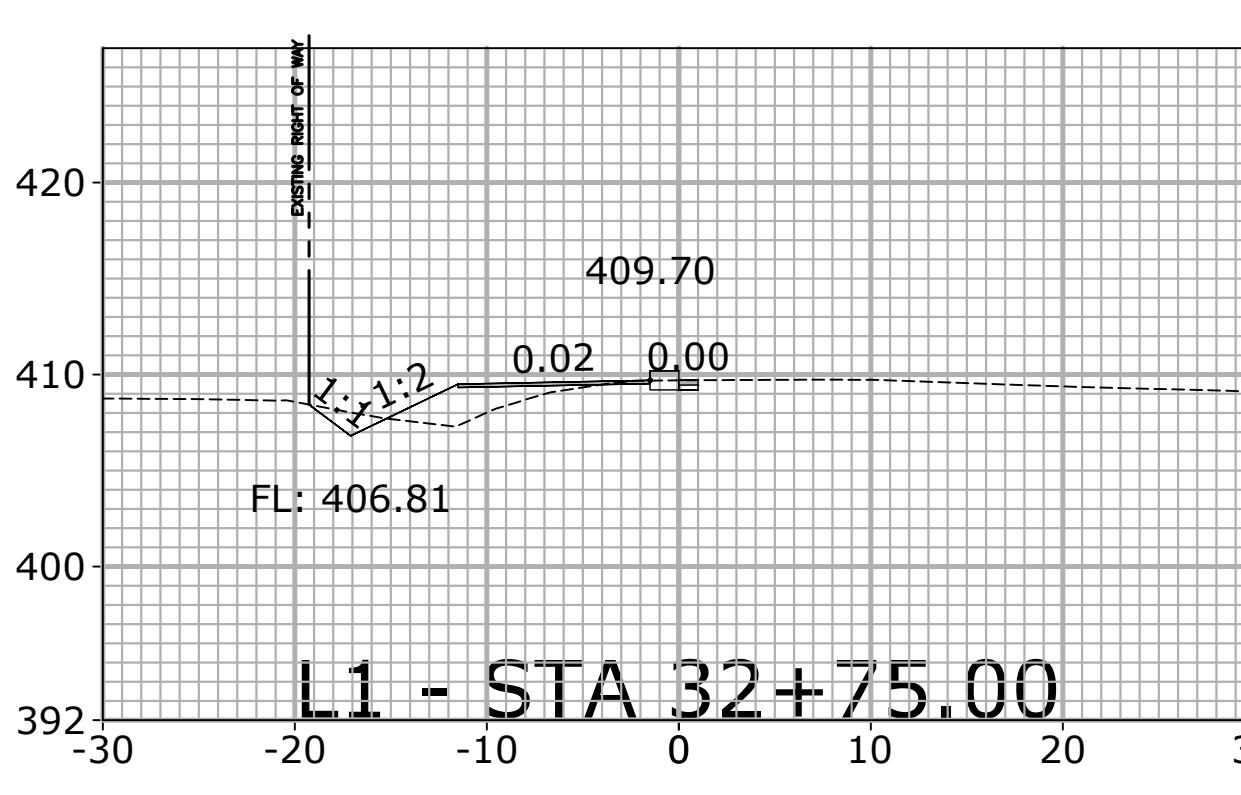
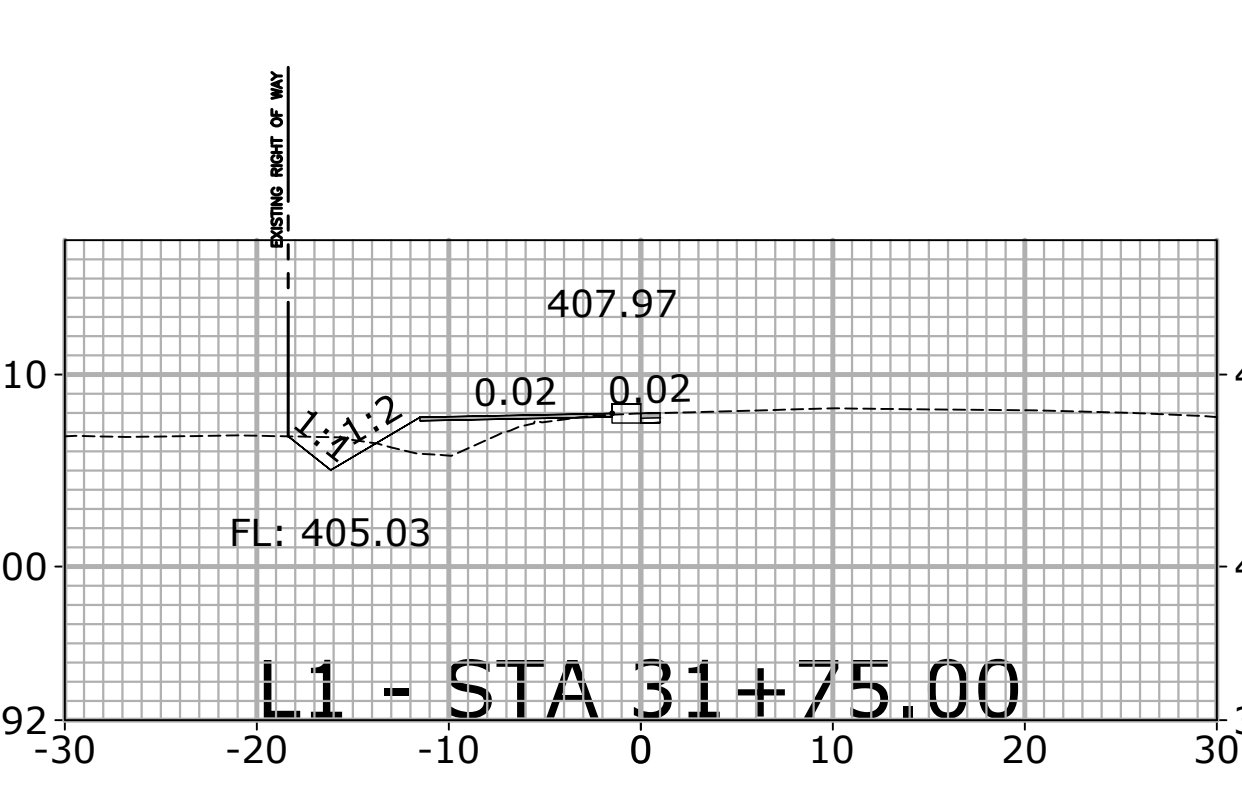
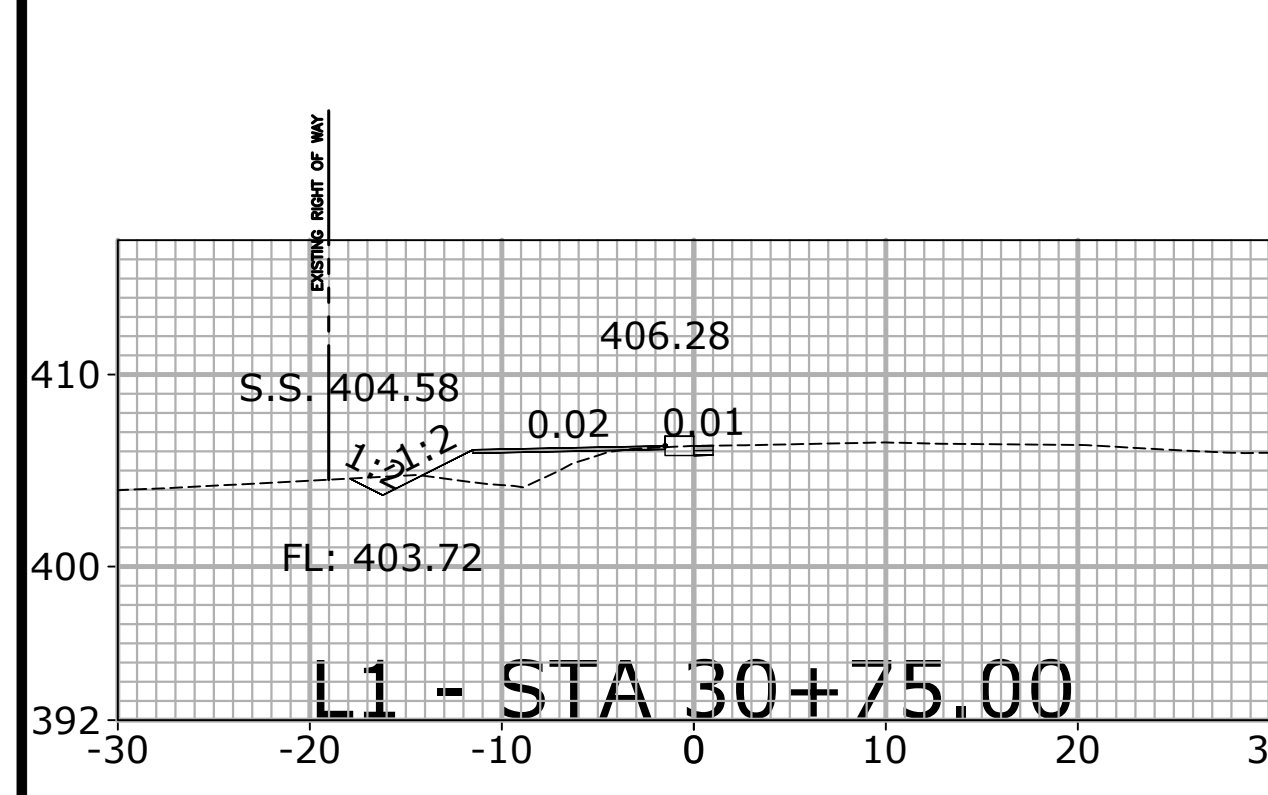
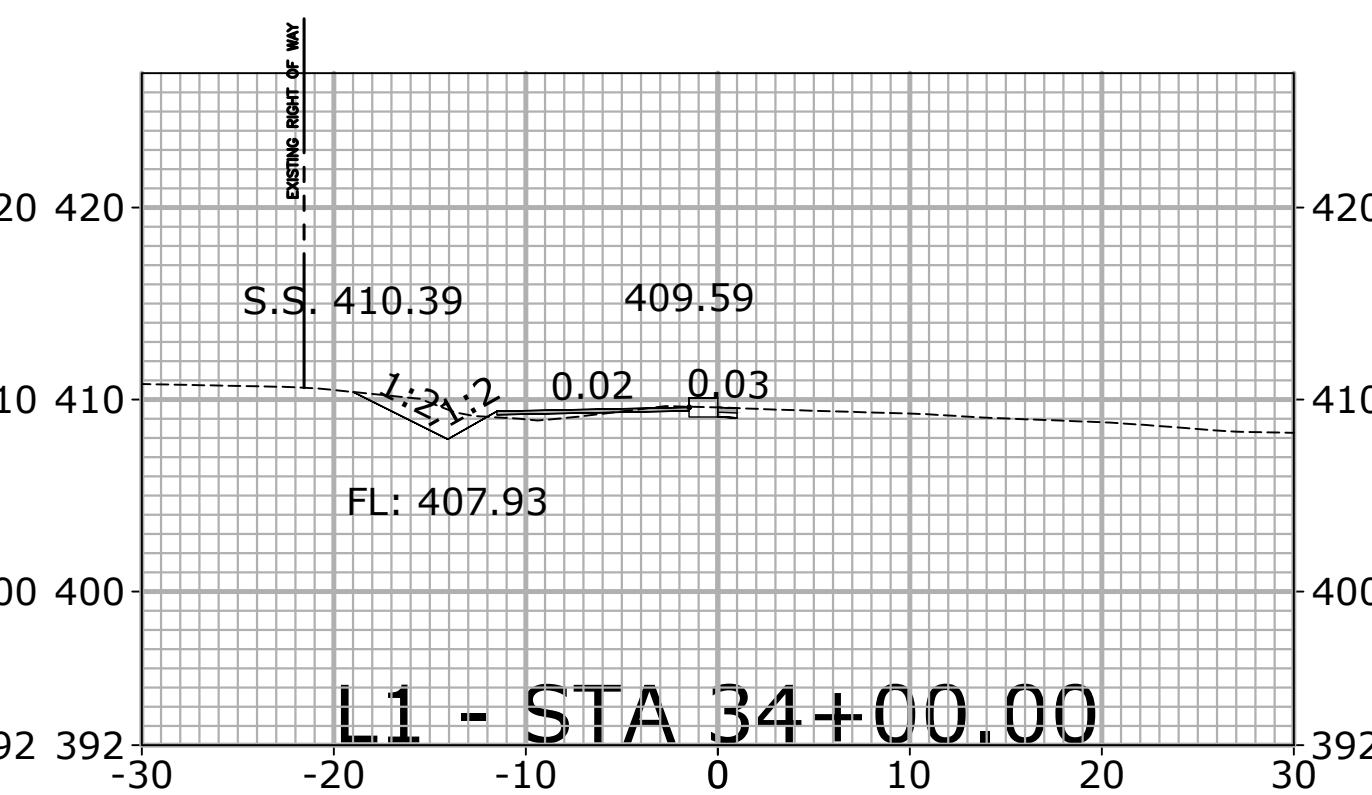
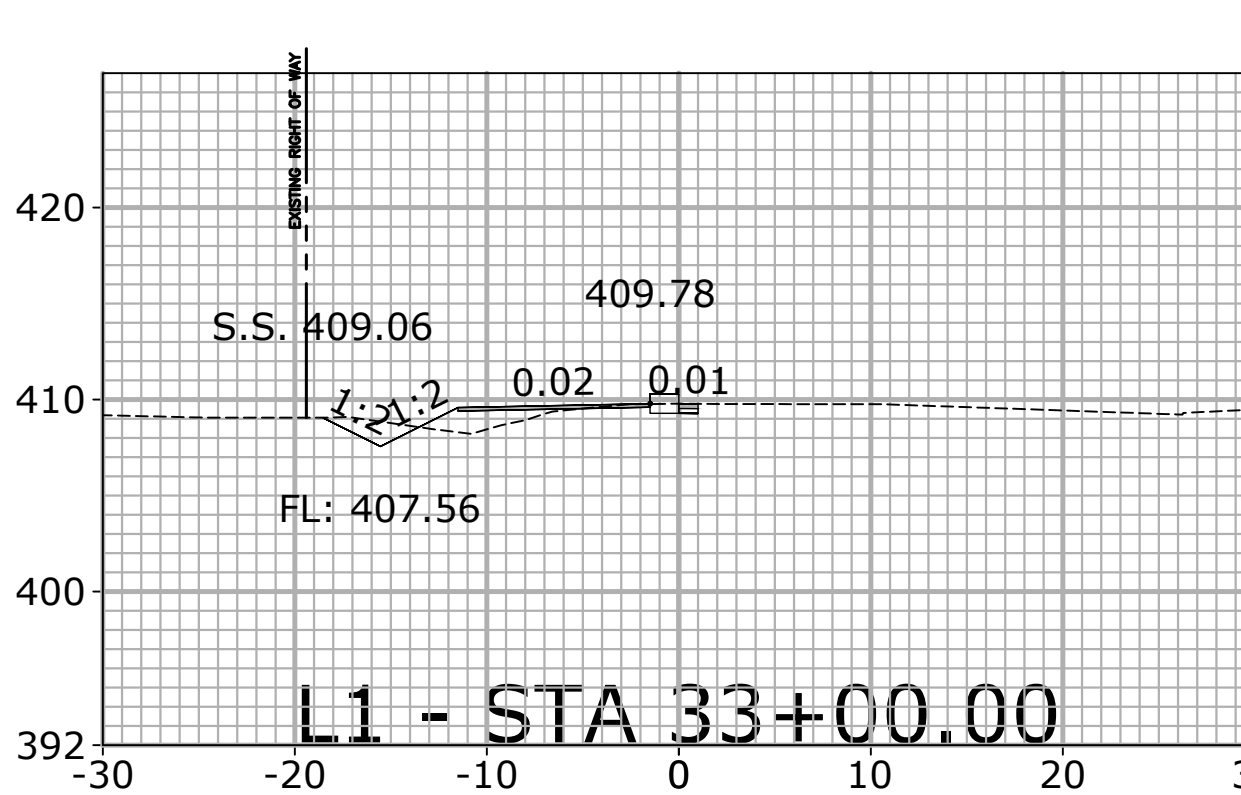
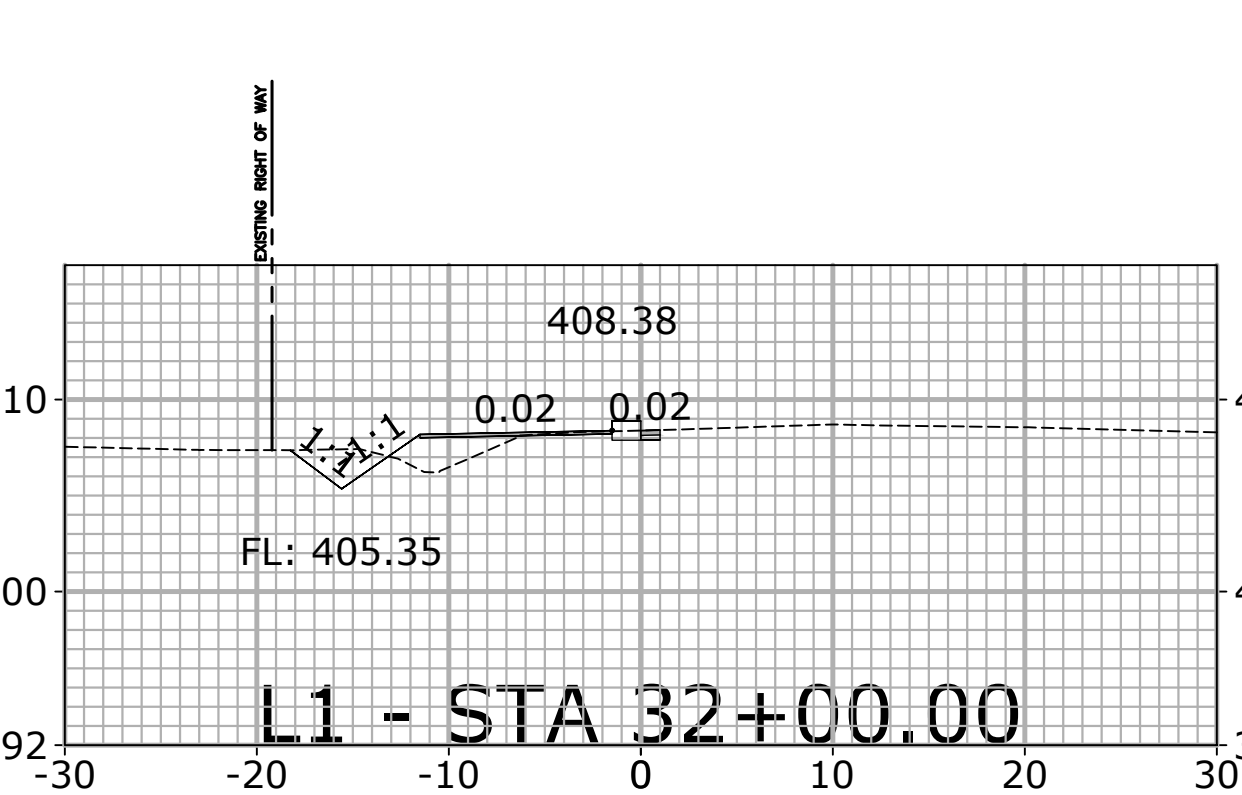
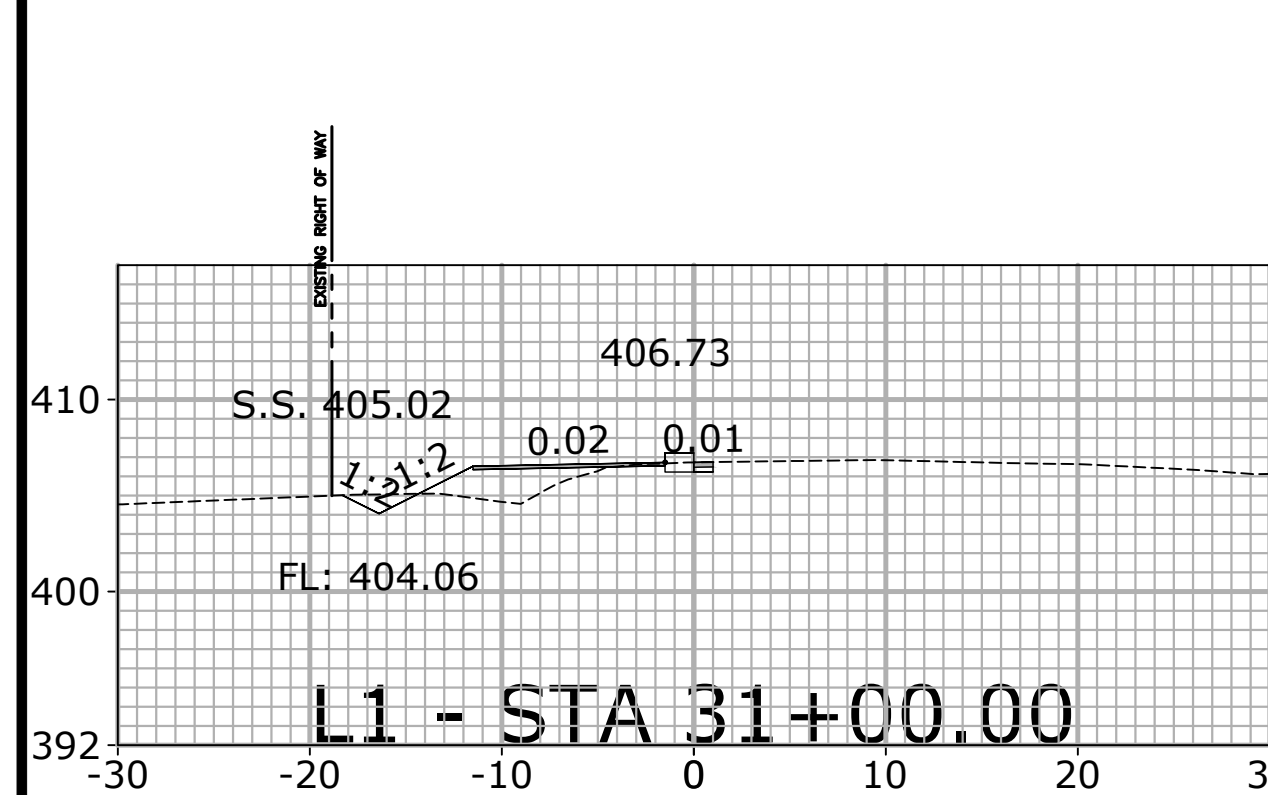


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