



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

July 13, 2022

**Addendum No. 2**

RE: Contract # C204728

WBS # 47533.3.3

STATE FUNDED

**Robeson County (I-5987B)**

I-95 FROM SOUTH OF NC-20 TO SOUTH OF PROPOSED I-295.

**July 19, 2022 Letting**

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.

The following revision have been made to the Roadway plans.

Sheet No.	Revision
1A	Updated Index of Sheets to show additional Signing Sheets. (SIGN-29 thru SIGN-44)

Please void the above listed Sheet in your plans and staple the revised Sheet thereto.

The following revisions have been made to the Utility Construction plans.

Sheet No.	Revision
UC-9	Plan note for SL-5 clarified to include "Gravity".
UC-26	Label for SL-5 corrected to indicate Gravity Sewer.

Please void the above listed Sheets in your plans and staple the revised Sheets thereto.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
  
F81B6038A47A442...


Ronald E. Davenport, Jr., PE  
State Contract Officer

RED/cms

Attachments

cc: Mr. Lamar Sylvester, PE  
Mr. H. L. "Drew" Cox, PE  
Ms. Lori Strickland  
Mr. Boyd Tharrington, PE  
Mr. Jon Weathersbee, PE  
Mr. Ken Kennedy, PE  
Project File (2)

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Mr. Kyle Kempf  
Mr. Mike Gwyn  
Ms. Penny Higgins

PROJECT REFERENCE NO.	SHEET NO.
1-5987B	1A
ROADWAY DESIGN ENGINEER	
	
MOTT MACDONALD & E. LLC LICENSE NO. F-0669	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

GENERAL NOTES:

2018 SPECIFICATIONS  
EFFECTIVE: 01-16-2018  
REVISED:

EFF. 01-16-2018  
REV.

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

2018 ROADWAY ENGLISH 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:

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

STD. NO.	TITLE
DIVISION 2 - EARTHWORK	
200.03	Method of Clearing - Method III
225.01	Guide for Grading Subgrade - Interstate and Freeway
225.02	Guide for Grading Subgrade - Secondary and Local
225.03	Deceleration and Acceleration Lanes
225.04	Method of Obtaining Super-elevation - Two Lane Pavement
225.05	Method of Obtaining Super-elevation - Divided Highways
225.06	Method of Grading Sight Distance at Intersections
225.09	Guide for Shoulder and Ditch Transition at Grade Separations
235.01	Embankment Monitoring
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
310.10	Driveway Pipe Construction
DIVISION 4 - MAJOR STRUCTURES	
422.01	Bridge Approach Fills - Type I Standard Approach Fill
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Super-elevated Curve - Method I
560.02	Method of Shoulder Construction - High Side of Super-elevated Curve - Method II
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
610.04	Guide for Paving Shoulders Under Bridges - Method IV
654.01	Pavement Repairs
665.01	Asphalt Shoulders - Milled Rubble Strips
DIVISION 8 - INCIDENTALS	
815.02	Subsurface Drain
816.01	Concrete Pads - for Shoulder Drain Installation
816.02	Aggregate Shoulder Drain
816.04	Markers for Drainage Structure and Concrete Pad
838.01	Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
838.11	Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
838.21	Reinforced Concrete Endwall - for Single 54" Pipe 90 Skew
838.27	Reinforced Concrete Endwall - for Single 60" Pipe 90 Skew
838.45	Notes for Reinforced Concrete Endwall - Std. Dwg 838.21 thru 838.40
838.51	Reinforced Brick Endwall - for Single 54" Pipe 90 Skew
838.57	Reinforced Brick Endwall - for Single 60" Pipe 90 Skew
838.75	Notes for Reinforced Brick Endwall - Std. Dwg 838.51 thru 838.70
838.80	Precast Endwalls - 12" thru 72" Pipe 90 Skew
840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.14	Concrete Drop Inlet - 12" thru 30" Pipe
840.15	Brick Drop Inlet - 12" thru 30" Pipe
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15
840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.20	Frames and Wide Slot Flat Grates
840.22	Frames and Wide Slot Sag Grates
840.24	Frames and Narrow Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.26	Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.29	Frames and Narrow Slot Flat Grates
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.34	Traffic Bearing Junction Box - for Use with Pipes 42" and Under
840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
840.36	Traffic Bearing Grated Drop Inlet - for Steel (840.37) Double Frame and Grates
840.37	Steel Grate and Frame
840.45	Precast Drainage Structure
840.46	Traffic Bearing Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
846.04	Drop Inlet Installation in Shoulder Berm Gutter
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
848.04	Street Turnout
852.01	Concrete Islands
854.02	Double Faced Concrete Barrier - Types 'T', 'T1' and 'T2'
857.01	Precast Reinforced Concrete Barrier - 41" Single Faced
862.01	Guardrail Placement
862.02	Guardrail Installation
862.03	Structure Anchor Units
862.04	Anchoring End of Guardrail - B-77 and B-83 Anchor Units
866.02	Woven Wire Fence - with Wood Post
876.01	Rip Rap in Channels
876.02	Guide for Rip Rap at Pipe Outlets
876.04	Drainage Ditches with Class 'B' Rip Rap

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

SHOULDER DRAINS:

SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 816.02 AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.03 AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADIUS NOTED ON PLANS.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

END BENTS:

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE Duke Energy (Power),

Lumbee River EMC (Power), City of Lumberton (Power), AT&T (Phone),

Windstream (Phone), Spectrum (CATV), and Piedmont Natural Gas (Gas)

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-21	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-3	INTERSECTION DETAIL SHEETS
2B-4 THRU 2B-16	DETOUR AND CROSSOVER PLAN AND PROFILE SHEETS
2B-17 THRU 2B-20	DETAIL OF FINAL PAVEMENT LAYER (U-2519AAAAB-SA)
2B-21	DETAIL FOR TRANSITION FROM 1'-6" CURB AND GUTTER TO SHOULDER BERM GUTTER AND DETAIL FOR CONCRETE TRANSITIONAL SECTION
2C-1	SPECIAL DETAILS - COAL COMBUSTION PRODUCT PLACEMENT
2C-2	SPECIAL DETAILS - MEDIAN HAZARD PIER PROTECTION
2C-3	SPECIAL DETAILS - TEMPORARY 1" STEEL COVER OVER DRAINAGE STRUCTURE
2C-4	SPECIAL DETAILS - SLOTTED DRAIN, 12" THRU 36" DIAMETER PIPE
2C-5	SPECIAL DETAILS - CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS
2C-6	SPECIAL DETAILS - REINFORCED CONCRETE ENDWALL
2C-7	SPECIAL DETAILS - CONCRETE GRATED DROP INLET TYPE 'A' (MINIMUM DEPTH)
2C-8	SPECIAL DETAILS - CONCRETE GRATED DROP INLET TYPE 'A' (EXTRA DEPTH)
2C-9	SPECIAL DETAILS - TYPE III REINFORCED APPROACH FILLS
2C-10	SPECIAL DETAILS - GUARDRAIL INSTALLATION
2C-11	SPECIAL DETAILS - GUARDRAIL INSTALLATION - AT-1 SYSTEM
2C-12	SPECIAL DETAILS - TRAFFIC BEARING JUNCTION BOX 60"
2C-13	SPECIAL DETAILS - ROCK PLATING
2D-1 THRU 2D-3	DRAINAGE DITCH DETAIL SHEETS
2D-4	DRAINAGE SPECIAL DETAILS - TRAFFIC BEARING GRATED INLET - 54" RCP
2D-5	DRAINAGE SPECIAL DETAILS - TRAFFIC BEARING GRATED INLET - 60" WELDED STEEL
2D-6	DRAINAGE SPECIAL DETAILS - TRAFFIC BEARING GRATED INLET - 66" WELDED STEEL
2G-1	GEOTECHNICAL DETAILS - TEMPORARY SHORING
2G-2 THRU 2G-4	GEOTECHNICAL DETAILS - STANDARD TEMPORARY WALL
2G-5 THRU 2G-7	GEOTECHNICAL DETAILS - SURCHARGE DETAILS
2G-8 THRU 2G-10	GEOTECHNICAL DETAILS - SPECIAL BRIDGE APPROACH FILL
2H-1	NOISE WALL DETAIL SHEET
3B-1 THRU 3B-3	EARTHWORK SUMMARY SHEETS
3B-4	GUARDRAIL SUMMARY SHEET
3B-5	SHOULDER BERM GUTTER, WOVEN WIRE FENCE, WOVEN WIRE FENCE REMOVAL, CONCRETE BARRIER SUMMARIES
3B-6	EXISTING ASPHALT PAVEMENT REMOVAL, INCIDENTAL MILLING, EXISTING ASPHALT PAVEMENT BREAKING, AND MILLING SUMMARIES
3D-1 THRU 3D-28	DRAINAGE SUMMARY SHEETS
3G-1	GEOTECHNICAL SUMMARY SHEET
3P-1 THRU 3P-2	PARCEL INDEX SHEETS
4 THRU 47	PLAN SHEETS
48 THRU 105	PROFILE SHEETS
RW01	SURVEY CONTROL TITLE SHEET
RW02C-1 THRU RW02C-22	SURVEY CONTROL SHEETS
RW02D-1 THRU RW02D-2	PROPOSED ALIGNMENT CONTROL SHEETS
RW03E-1 THRU RW03E-5	RIGHT OF WAY CONTROL SHEETS
RW04 THRU RW47	RIGHT OF WAY PLANS
TMP-01 THRU TMP-297	TRAFFIC MANAGEMENT PLANS
PMP-01 THRU PMP-27	PAVEMENT MARKING PLANS
PMP-01 THRU PMP-10	PAVEMENT MARKING PLANS (U-2519AAAAB-SA)
E-1 THRU E-6	ELECTRICAL PLANS
EC-1 THRU EC-93	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-44	SIGNING PLANS
SIG-1.0 THRU SIG-12.0	SIGNAL PLANS
ITS-1 THRU ITS-16	ITS PLANS
UC-1 THRU UC-26	UTILITY CONSTRUCTION PLANS
UO-1 THRU UO-23	UTILITIES BY OTHERS PLANS
X-1A THRU X-1N	CROSS-SECTION INDEX AND SUMMARY
X-1 THRU X-762	CROSS-SECTIONS
S4-1 THRU S4-29	STRUCTURE PLANS - SR 1006 (-Y4-) OVER I-95 (-L-)
S5-1 THRU S5-64	STRUCTURE PLANS - I-95 (-L-) OVER BIG MARSH SWAMP
S6-1 THRU S6-53	STRUCTURE PLANS - I-95 (-L-) OVER NC 20 (-Y5-)
S7-1 THRU S7-37	STRUCTURE PLANS - US 301 (-Y1B-) OVER I-95 (-L-)
S8-1 THRU S8-28	STRUCTURE PLANS - SR 1726 (-Y6-) OVER I-95 (-L-)
S9-1 THRU S9-69	STRUCTURE PLANS - I-95 (-L-) OVER LITTLE MARSH SWAMP
S10-1 THRU S10-33	STRUCTURE PLANS - SR 1723 (-Y7-) OVER I-95 (-L-)
C15-1 THRU C15-13	CULVERT PLANS - I-95 (-L-) STA. 677+13.20
C16-1 THRU C16-20	CULVERT PLANS - I-95 (-L-) STA. 708+48.43
C17-1 THRU C17-5	CULVERT PLANS - SR 1726 (-Y6-) STA. 23+47.75
C18-1 THRU C18-9	CULVERT PLANS - I-95 (-L-) STA. 902+33.00
W-1 THRU W-17	WALL PLANS
W19-1 THRU W19-4	NOISE WALL PLANS

PROJECT REFERENCE NO. 1-5978 SHEET NO. UC-9

DESIGNED BY: BLP  
 CHECKED BY: DSJ  
 APPROVED BY: XXX  
 REVISED:

NORTH CAROLINA  
 DEPARTMENT OF  
 TRANSPORTATION

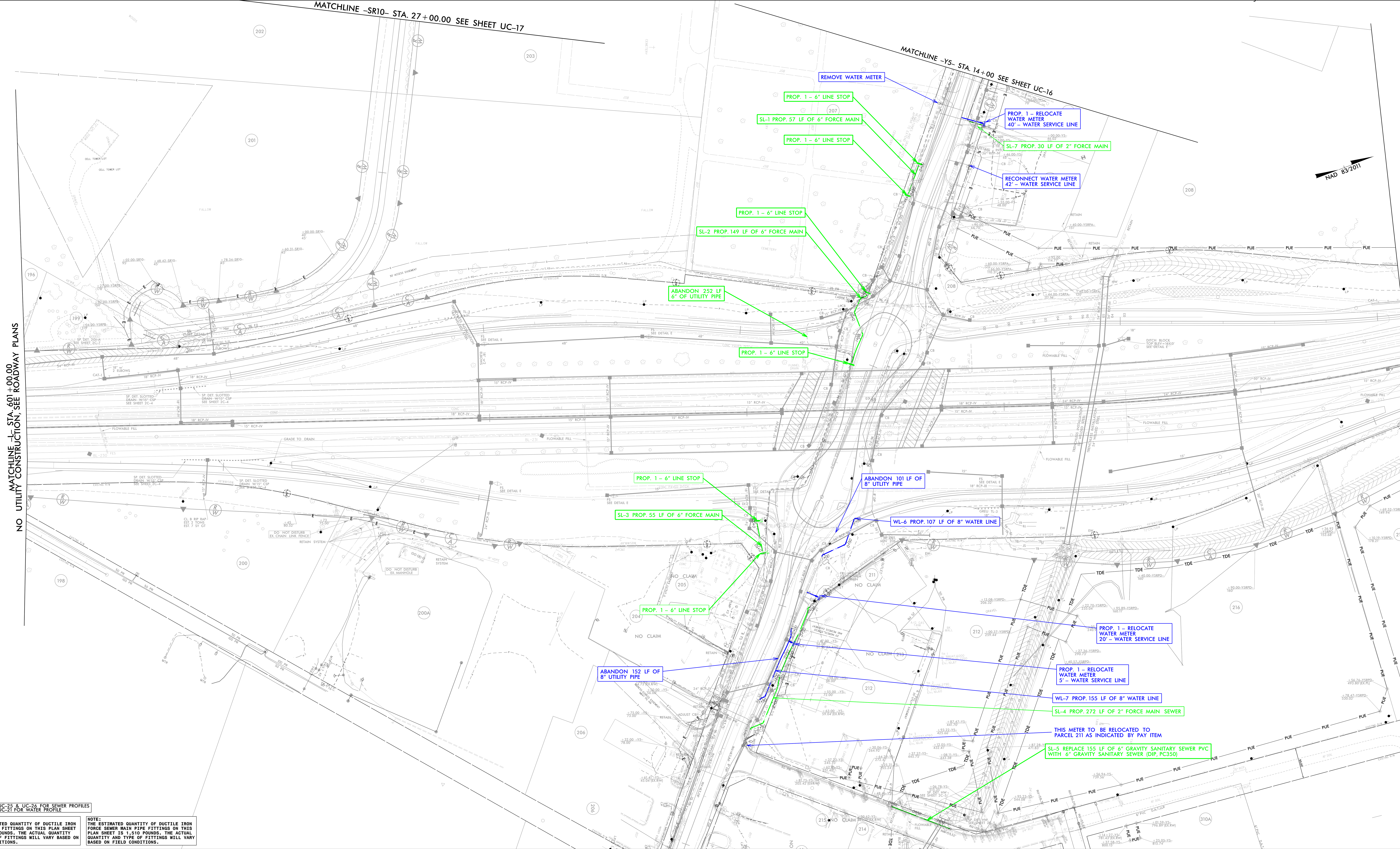
UTILITY ENGINEERING SECTION  
 PHONE: (919) 727-6850  
 FAX: (919) 727-6850

UTILITY CONSTRUCTION PLANS ONLY

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: M M  
 M M  
 M M

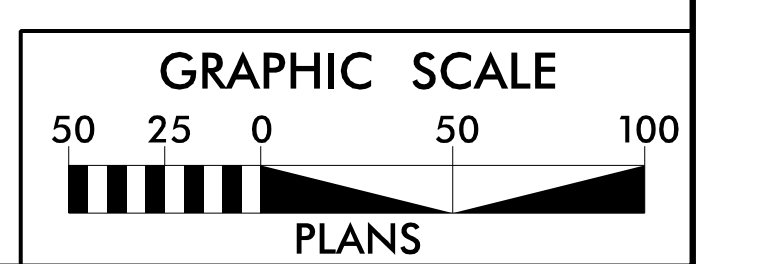
**UTILITY CONSTRUCTION**



SEE SHEET UC-25 & UC-26 FOR SEWER PROFILES  
 SEE SHEET UC-21 FOR WATER PROFILE

NOTE: THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,110 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

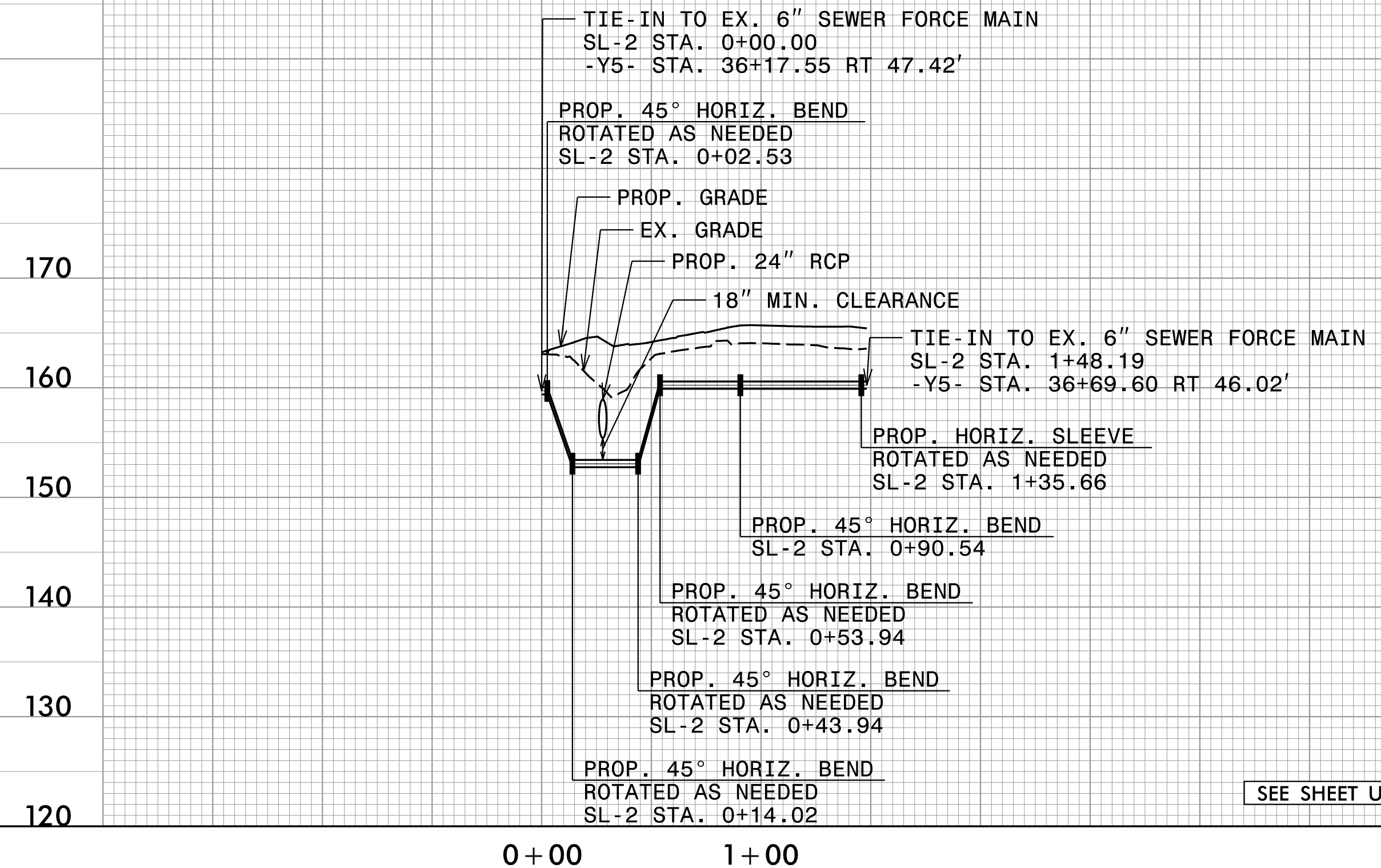
NOTE: THE ESTIMATED QUANTITY OF DUCTILE IRON FORCE SEWER MAIN PIPE FITTINGS ON THIS PLAN SHEET IS 1,510 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



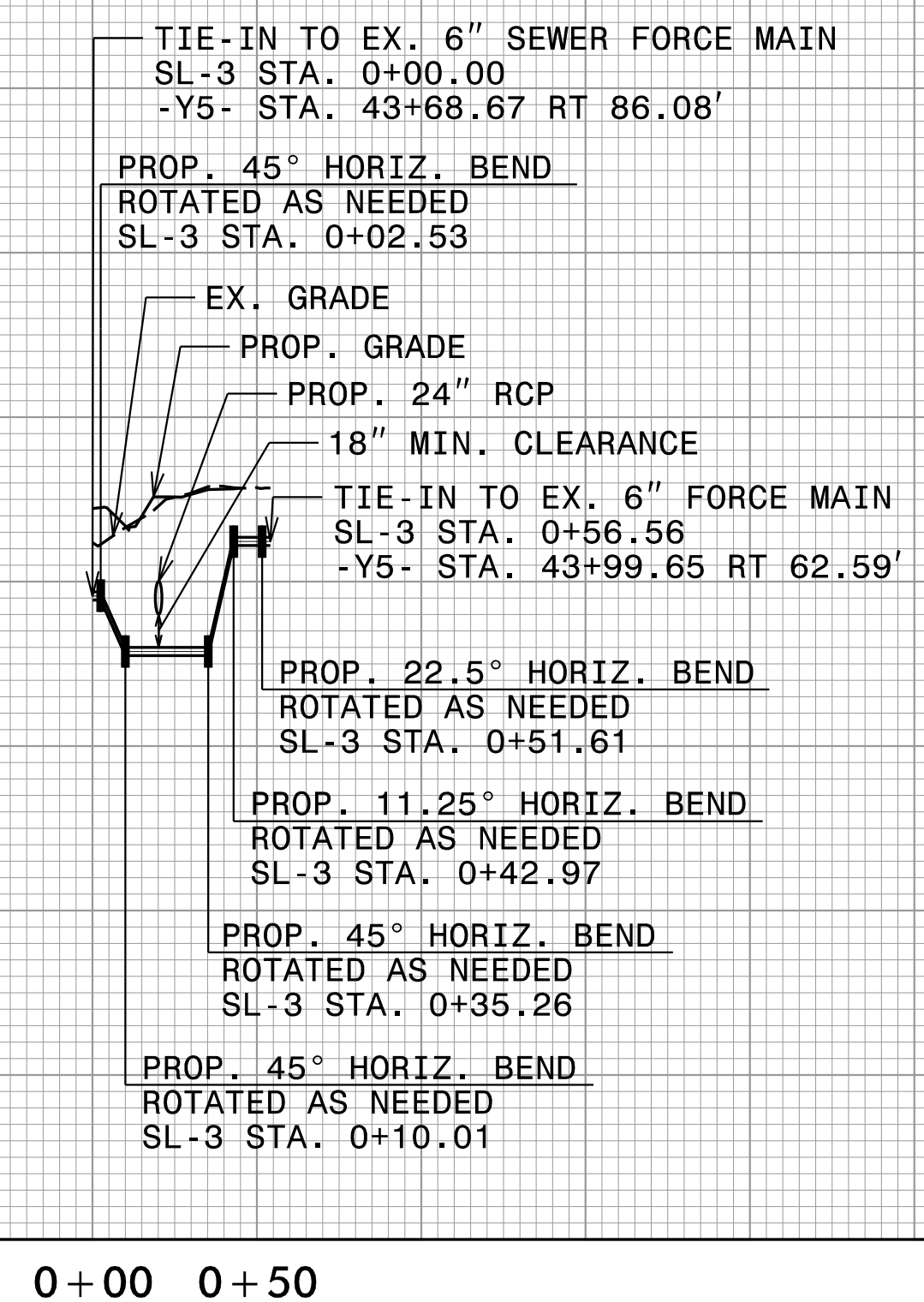
5/14/99

CONTRACTOR TO BACKFILL OVER WATER LINE PRIOR TO TESTING AND PLACING INTO SERVICE WITH MINIMUM 36" OF COVER.

### PROP. 6" SEWER FORCE MAIN SL-2 TOWN OF ST. PAULS

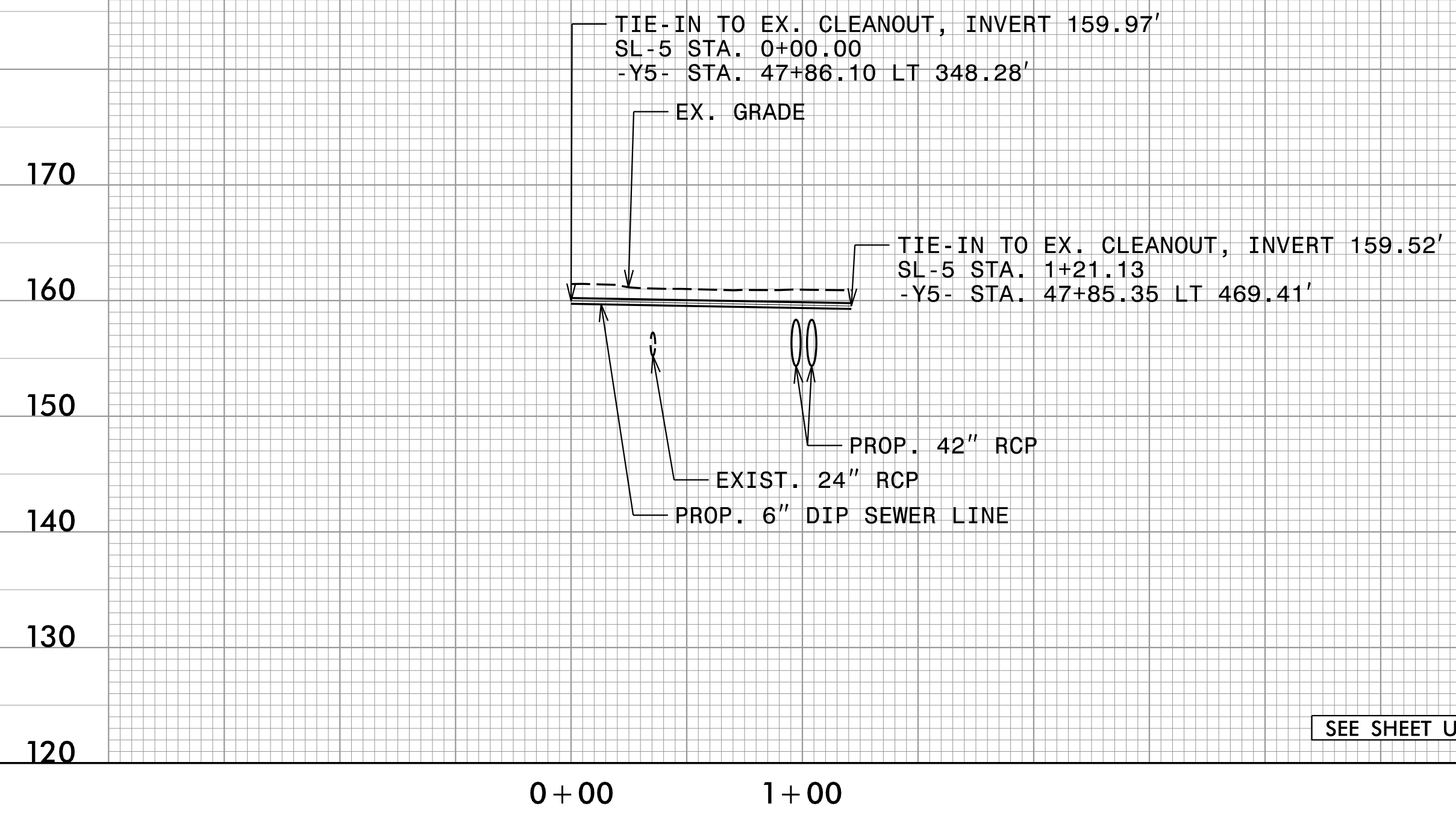


### PROP. 6" SEWER FORCE MAIN SL-3 TOWN OF ST. PAULS

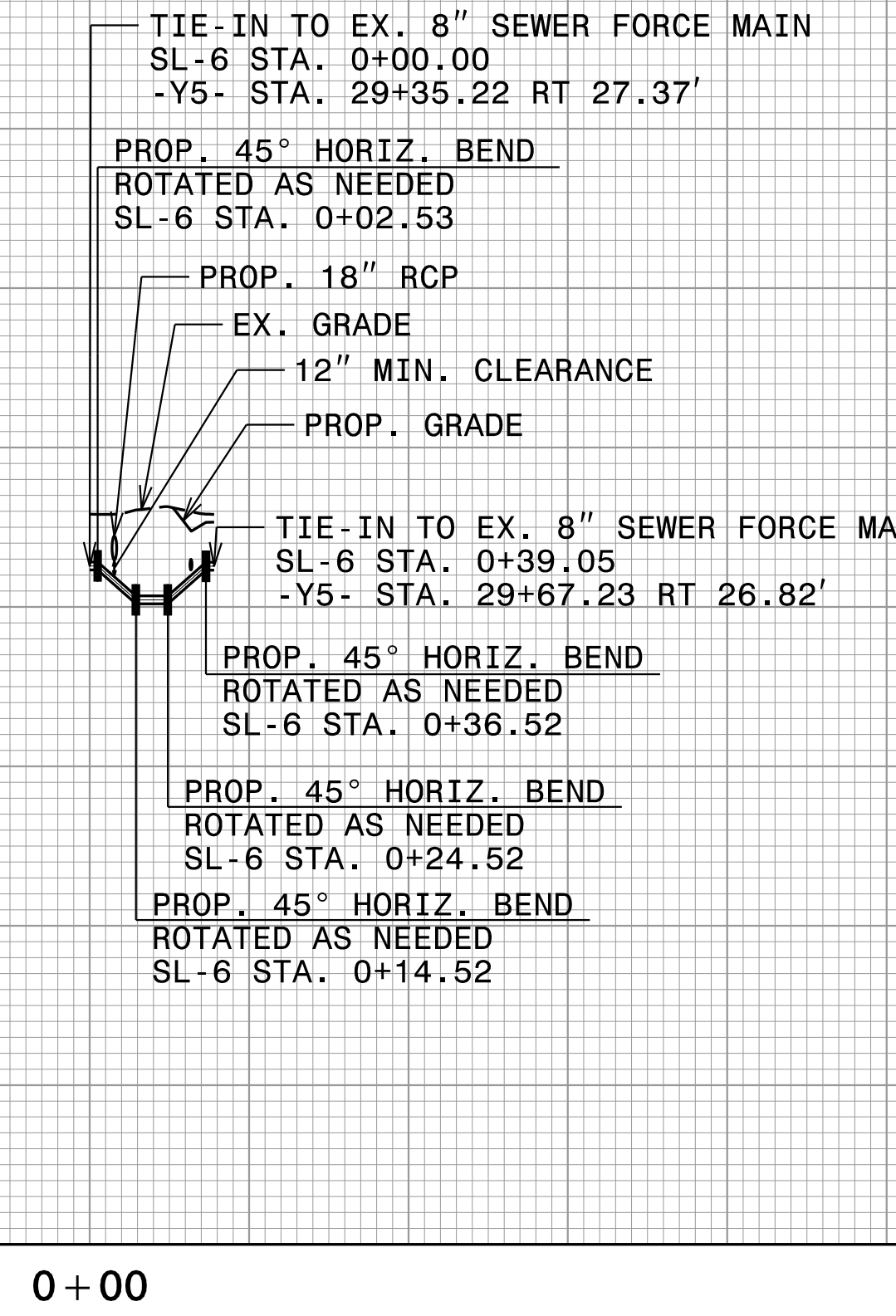


PROJECT REFERENCE NO. 1-5987B	SHEET NO. UC-26
DESIGNED BY: BLP	
DRAWN BY: BLP	
CHECKED BY: DLJ	
APPROVED BY:	
REVISID:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
Prepared in the Office of:	<b>M</b> PO Box 700 FURQUAY-VARINA, NC 27526 MOTT MACDONALD www.mottmac.com/americas
<b>UTILITY CONSTRUCTION</b>	

### PROP. 6" GRAVITY SEWER SL-5 TOWN OF ST. PAULS



### PROP. 6" SEWER FORCE MAIN SL-6 TOWN OF ST. PAULS



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