

01/20/22

See Sheet 1-A For Index of Sheets  
See Sheet 1-B For Conventional Symbols

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**ROWAN COUNTY**

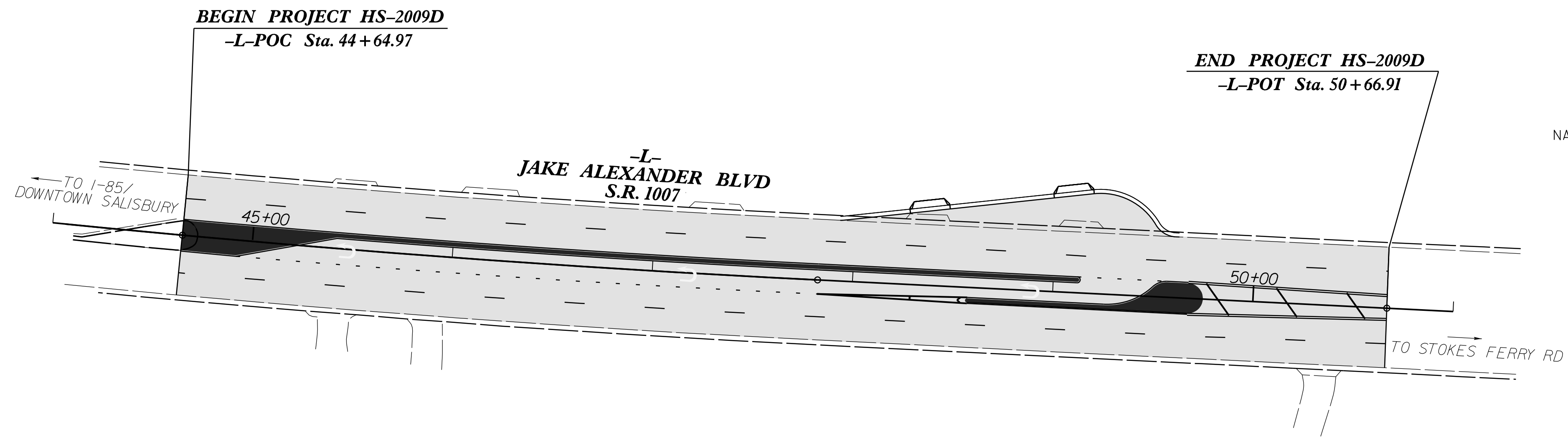
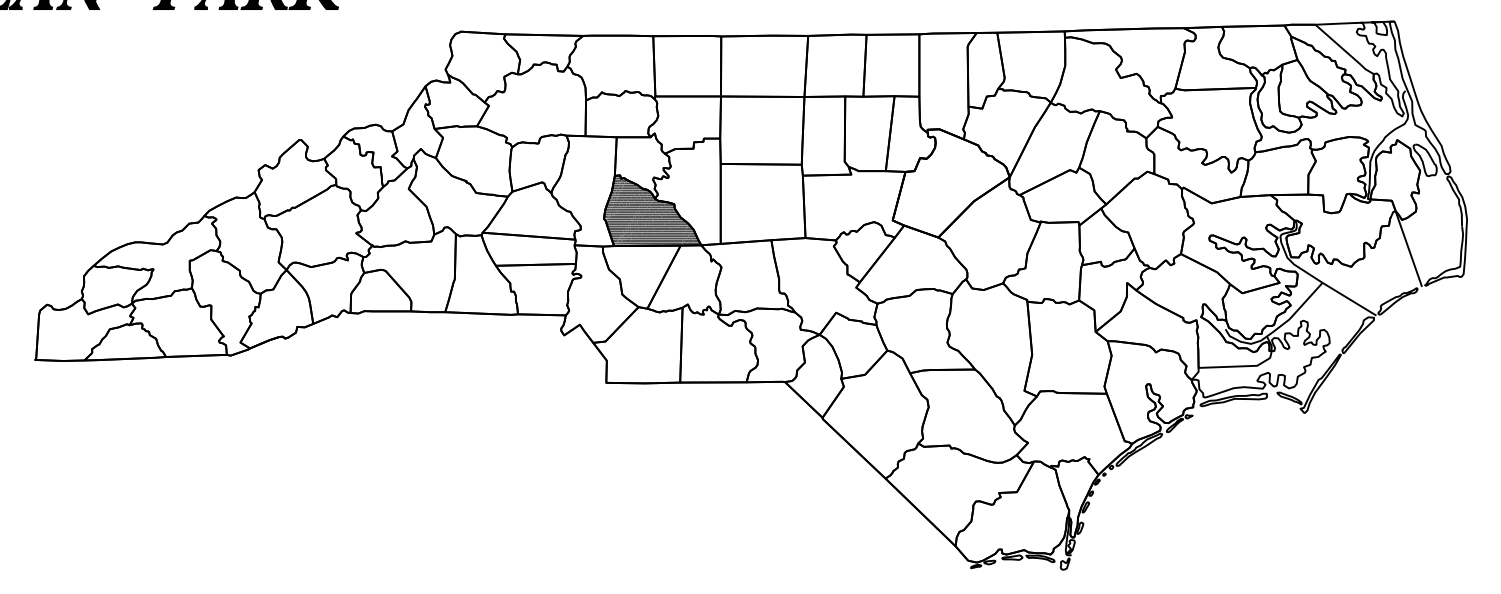
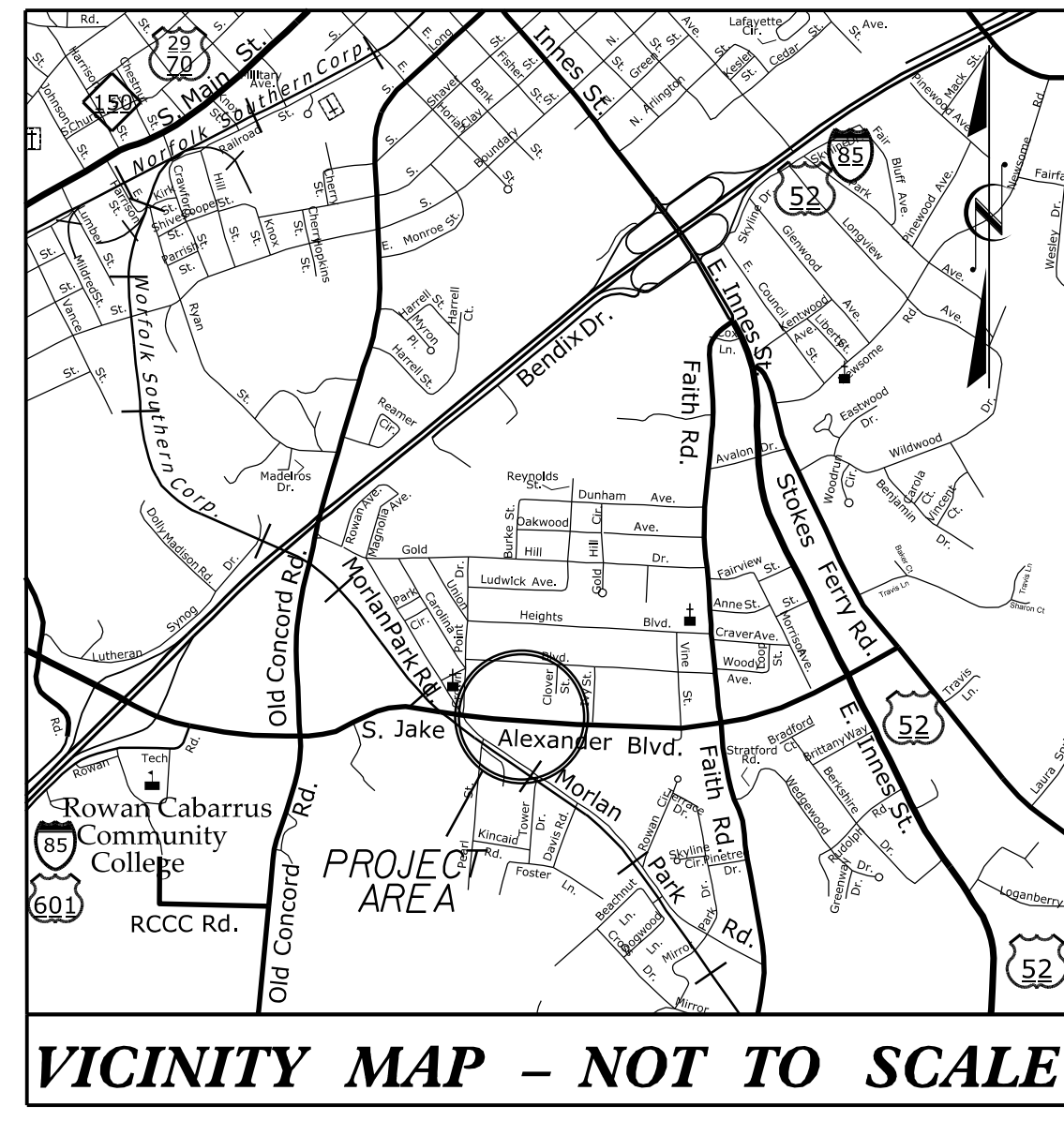
**LOCATION: SR 1007 (JAKE ALEXANDER BLVD) EAST OF MORLAN PARK ROAD IN SALISBURY.**

**TYPE OF WORK: INSTALL CONCRETE CHANNELIZATION FOR U-TURN LANE AND U-TURN BULB OUT**

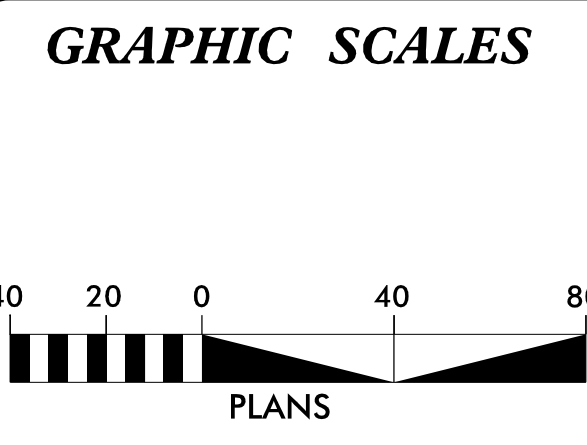
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2009D	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49321.1.5	1007042	PE	
49321.2.7	1007042	RW	
49321.2.8	1007042	UTILITIES	
49321.3.5	1007042	CONST	

**TIP PROJECT: HS-2009D**

**CONTRACT: DI00306**



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**DESIGN DATA**

2020 AADT = 13000  
POSTED SPEED = 45 MPH

FUNC CLASS =  
MINOR ARTERIAL  
SUBREGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT HS-2009D = 0.114 MILES  
TOTAL LENGTH TIP PROJECT HS-2009D = 0.114 MILES

Prepared In the Office of:  
**Ninth Division Design/Construction**  
375 Silas Creek Parkway, Winston-Salem NC, 27127

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
MARCH 18, 2022

**LETTING DATE:**  
MAY 24, 2023

**W. AL BLANTON, PE, PLS**  
PROJECT ENGINEER

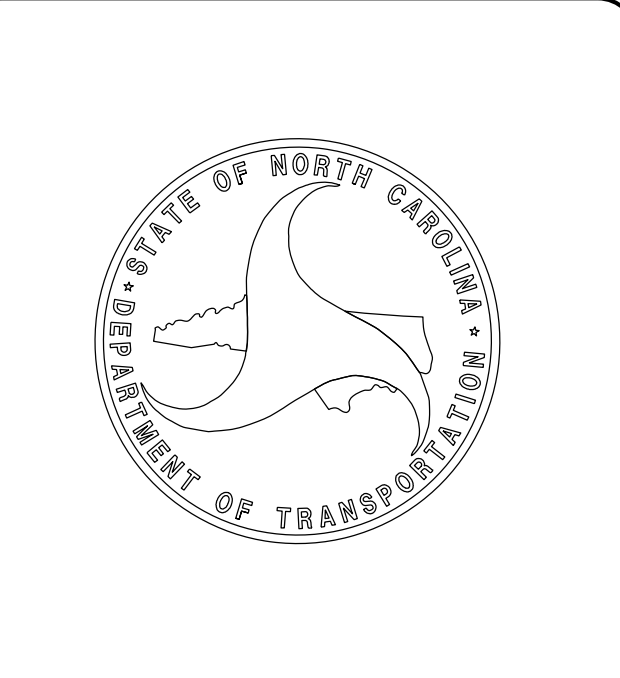
**JEREMY KEATON, PLS**  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

DocuSigned by:  
**William A. Blanton**  
SIGNATURE: 04/24/2023  
P.E.

**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
**William A. Blanton**  
SIGNATURE: 04/24/2023  
P.E.



24-APR-2023 14:25  
S:\Project\_Development\TIP\_Projects\HS-2009D-JakeAlex-MorlanPark-T2\Roadway\HS-2009D\_ddc-fsh.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
HS-2009D	I-A
	ROADWAY DESIGN ENGINEER 
	William A. Blanton <small>DocuSigned by: William A. Blanton CC5B37B19FC44D 03/17/2023</small>

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
3D-1	ROADWAY SUMMARIES, DRAINAGE SUMMARIES
4	PLAN SHEET
EC-1 THRU EC-4	EROSION CONTROL PLANS
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS
SIGN-1 THRU SIGN-3	SIGNING PLANS
RW-1 THRU RW-4	SURVEY CONTROL SHEET
X-1 THRU X-3	CROSS SECTIONS

**GENERAL NOTES:**

2018 SPECIFICATIONS  
 EFFECTIVE: 01-16-2018  
 REVISED:

**GRADING AND SURFACING:**

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

**CLEARING:**

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

**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.

**DRIVEWAYS:**

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

**SUBSURFACE PLANS:**

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

**UTILITIES:**

UTILITY OWNERS ON THIS PROJECT ARE City of Salisbury (Water & Sewer), Hotwire Communications, AT&T, Charter Communications

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 CONTRACT.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-16-2018  
 REV.

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
<b>DIVISION 2 - EARTHWORK</b>	
200.03	Method of Clearing - Method III
<b>DIVISION 3 - PIPE CULVERTS</b>	
300.01	Method of Pipe Installation
<b>DIVISION 6 - ASPHALT BASES AND PAVEMENTS</b>	
654.01	Pavement Repairs
<b>DIVISION 8 - INCIDENTALS</b>	
806.01	Concrete Right-of-Way Marker
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
840.45	Precast Drainage Structure
846.01	Concrete Curb, Gutter and Curb & Gutter
848.03	Driveway Turnout - Drop Curb Type
852.01	Concrete Islands

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

Note: Not to Scale

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○
Computed Property Corner	×
Existing Concrete Monument (ECM)	□
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-S-
Potential Contamination Area: Soil	-S-S-
Known Contamination Area: Water	-W-W-
Potential Contamination Area: Water	-W-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	↓
Proposed Lateral, Tail, Head Ditch	← FLOW
False Sump	▽

## RAILROADS:

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

## RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	●
Secondary Horiz and Vert Control Point	◆
Vertical Benchmark	⊕
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	⊕
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◆
Existing C/A Monument	△
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	⊕
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Existing Control of Access Line	-----
Proposed Control of Access Line	-----
Proposed ROW and CA Line	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	E
Proposed Temporary Drainage Easement	TDE
Proposed Permanent Drainage Easement	PDE
Proposed Permanent Drainage/Utility Easement	DUE
Proposed Permanent Utility Easement	PUE
Proposed Temporary Utility Easement	TUE
Proposed Aerial Utility Easement	AUE

## 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	T T T
Proposed Guardrail	T T T
Existing Cable Guiderail	□ □ □
Proposed Cable Guiderail	□ □ □
Equality Symbol	⊕
Pavement Removal	⊗
VEGETATION:	
Single Tree	○
Single Shrub	○
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:

\* SUE - Subsurface Utility Engineering  
LOS - Level of Service - A,B,C or D (Accuracy)

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	PH
H-Frame Pole	●
U/G Power Line Test Hole (SUE - LOS A)*	⊕
U/G Power Line (SUE - LOS B)*	-----
U/G Power Line (SUE - LOS C)*	-----
U/G Power Line (SUE - LOS D)*	-----

## TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	PH
U/G Telephone Test Hole (SUE - LOS A)*	⊕
U/G Telephone Cable (SUE - LOS B)*	-----
U/G Telephone Cable (SUE - LOS C)*	-----
U/G Telephone Cable (SUE - LOS D)*	-----
U/G Telephone Conduit (SUE - LOS B)*	-----
U/G Telephone Conduit (SUE - LOS C)*	-----
U/G Telephone Conduit (SUE - LOS D)*	-----
U/G Fiber Optics Cable (SUE - LOS B)*	-----
U/G Fiber Optics Cable (SUE - LOS C)*	-----
U/G Fiber Optics Cable (SUE - LOS D)*	-----

## WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line Test Hole (SUE - LOS A)*	⊕
U/G Water Line (SUE - LOS B)*	-----
U/G Water Line (SUE - LOS C)*	-----
U/G Water Line (SUE - LOS D)*	-----
Above Ground Water Line	A/G Water
TV:	
TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	PH
U/G TV Test Hole (SUE - LOS A)*	⊕
U/G TV Cable (SUE - LOS B)*	-----
U/G TV Cable (SUE - LOS C)*	-----
U/G TV Cable (SUE - LOS D)*	-----
U/G Fiber Optic Cable (SUE - LOS B)*	-----
U/G Fiber Optic Cable (SUE - LOS C)*	-----
U/G Fiber Optic Cable (SUE - LOS D)*	-----

## GAS:

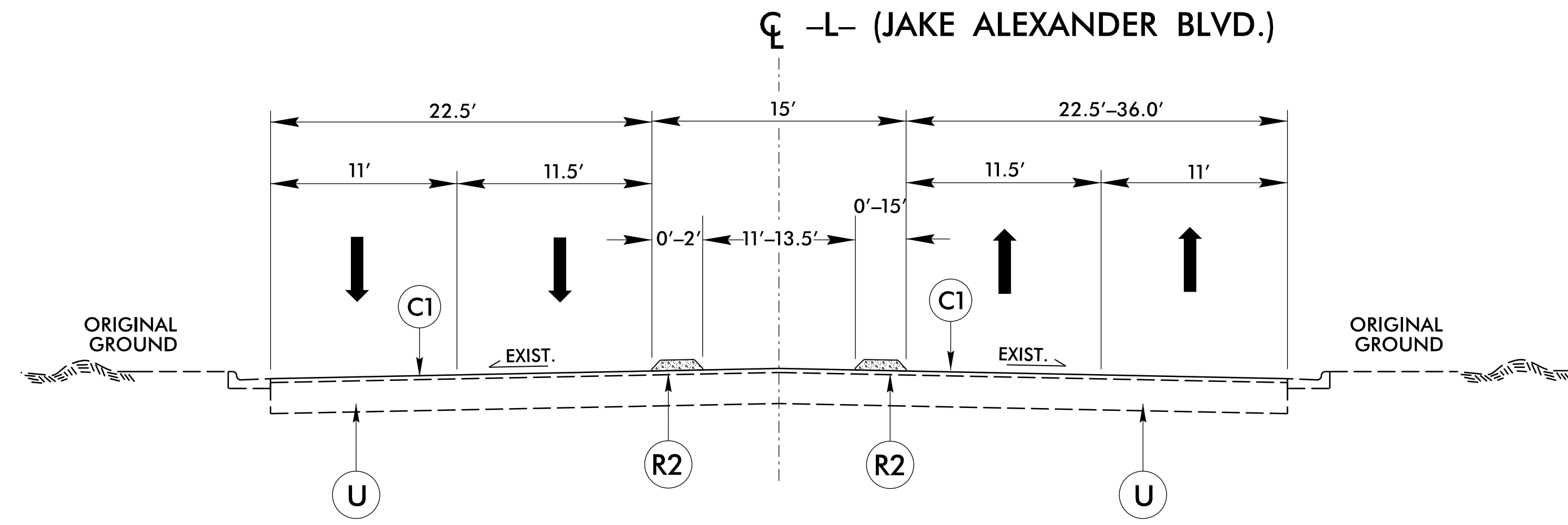
Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊕
U/G Gas Line (SUE - LOS B)*	-----
U/G Gas Line (SUE - LOS C)*	-----
U/G Gas Line (SUE - LOS D)*	-----
Above Ground Gas Line	A/G Gas

## SANITARY SEWER:

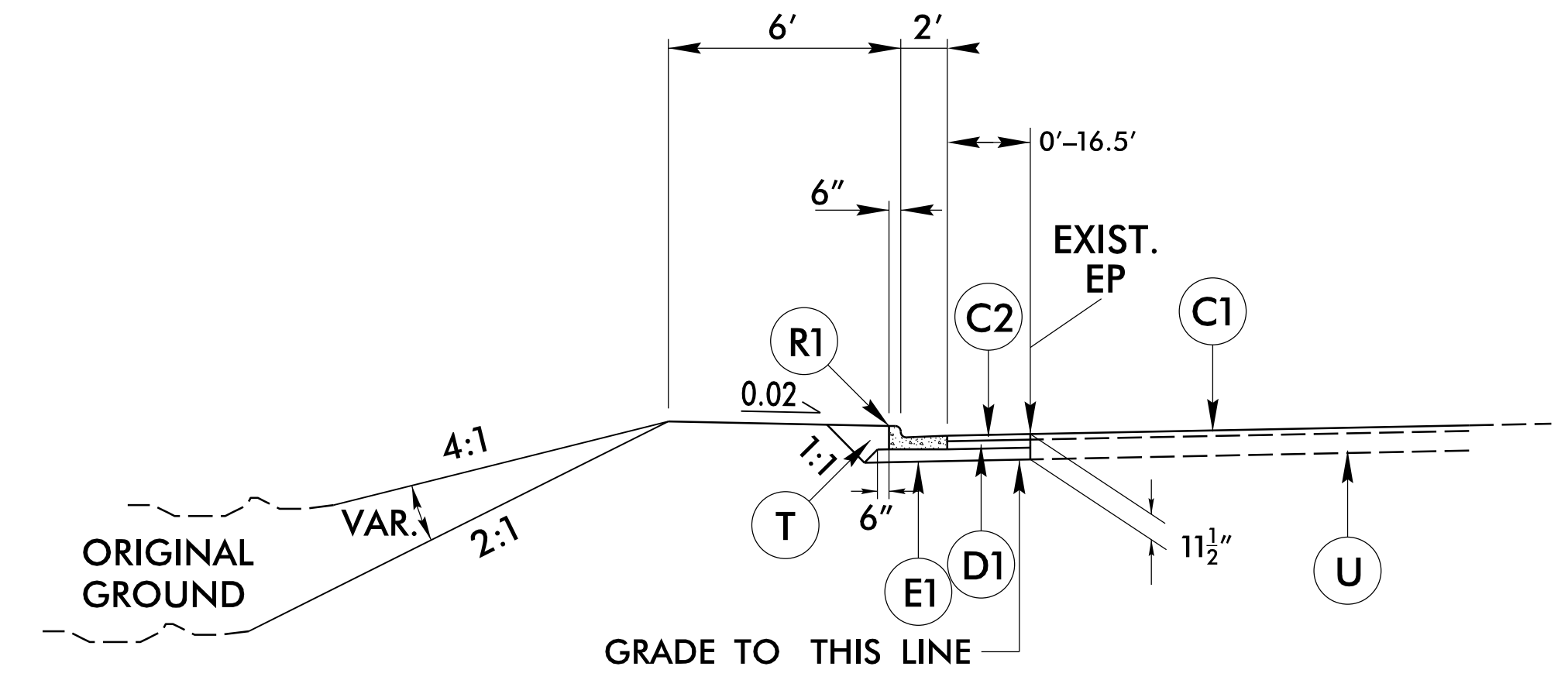
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	SS
Above Ground Sanitary Sewer	A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE - LOS A)*	⊕
SS Force Main Line (SUE - LOS B)*	-----
SS Force Main Line (SUE - LOS C)*	-----
SS Force Main Line (SUE - LOS D)*	-----

## MISCELLANEOUS:

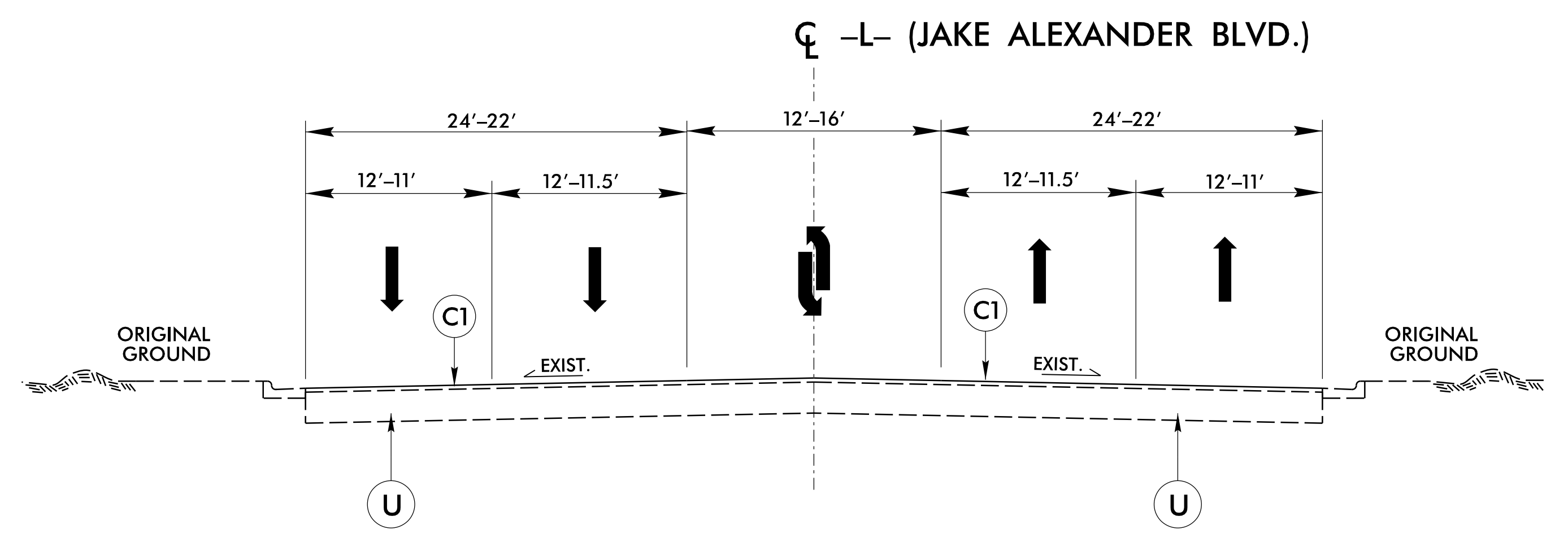
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility Records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



**TYPICAL SECTION NO. 1**  
 -L- STA. 44+64.97 TO STA. 49+75  
 NOTE: MILL 1.5" PRIOR TO APPLYING C1 LAYER.  
 NOTE: PROVIDE 2' ISLAND BREAK FROM  
 47+98 TO 48+00 (FOR DRAINAGE)



**TYPICAL SECTION NO. 2**  
 -L- STA. 47+92.45 TO STA. 49+61.80  
 NOTE: TO BE USED IN CONJUNCTION  
 WITH TYPICAL SECTION #1

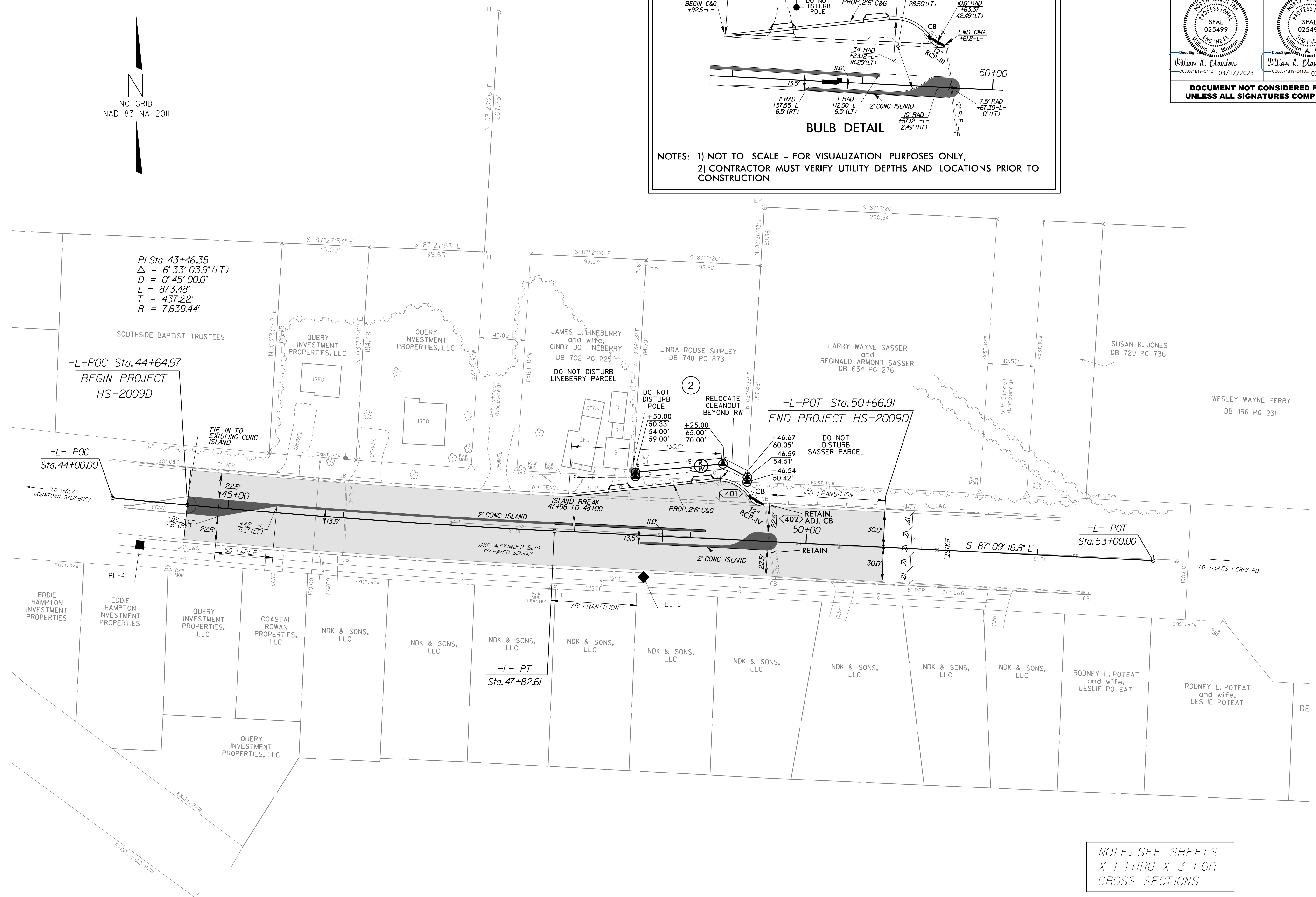
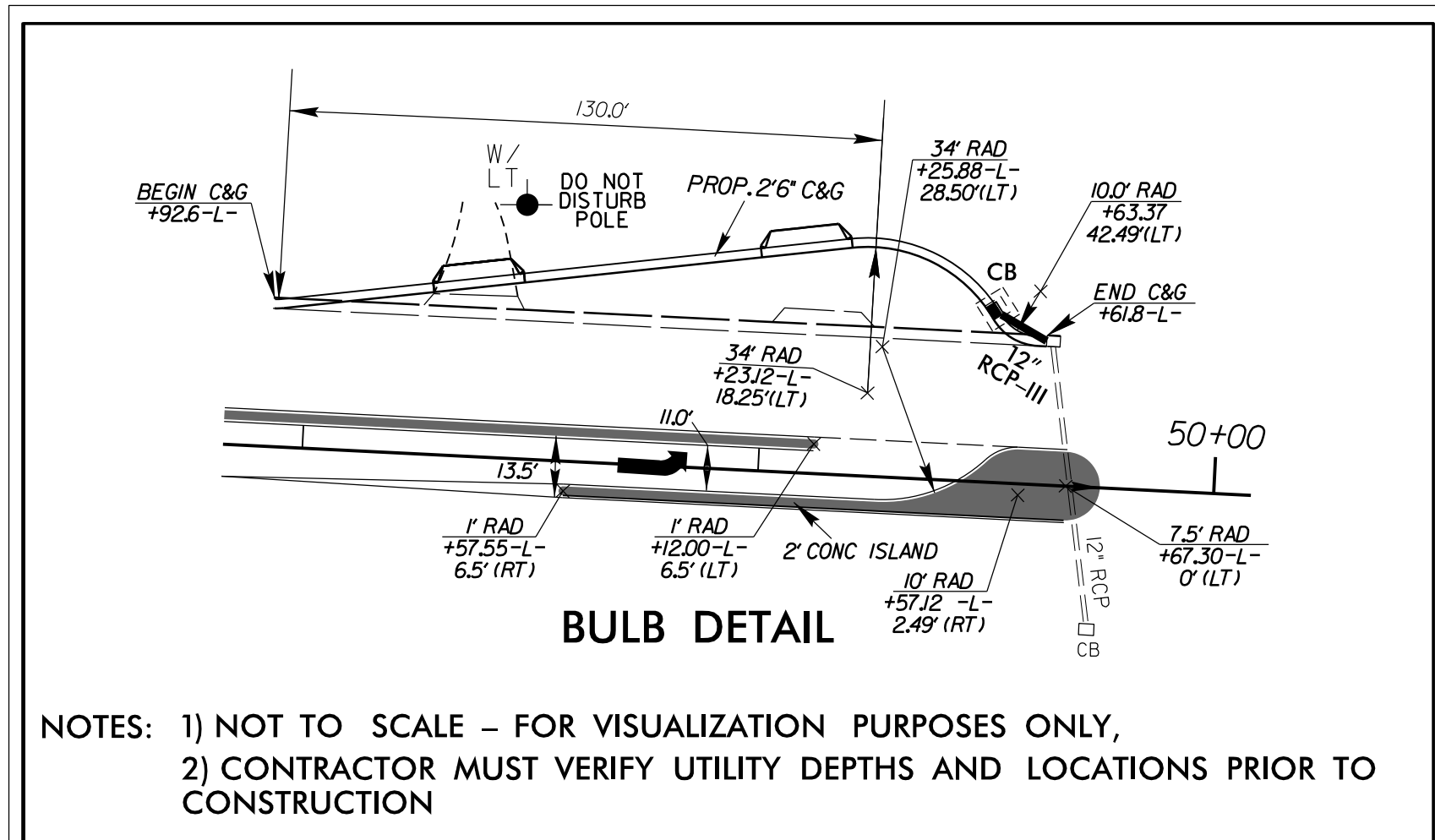


**TYPICAL SECTION NO. 3**  
 -L- STA. 49+75 TO STA. 50+66.91  
 NOTE: MILL 1.5" PRIOR TO APPLYING C1 LAYER.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.
R1	PROP. 2'-6" CONCRETE CURB & GUTTER
R2	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN).
T	EARTH MATERIAL
U	EXISTING PAVEMENT.

17-MAR-2023 14:18  
 Project: T:\MAR\_2023\1418-MorlanPark-T2-Roadway\HS-2009D\_dde\_tjip.dgn





$P$  Sta 43+46.35  
 $\Delta = 6' 33'' 03.9''$  (LT)  
 $D = 0' 45'' 00.0''$   
 $L = 873.48'$   
 $T = 437.22'$   
 $R = 7,639.44'$

-L- POC Sta. 44+64.97  
 BEGIN PROJECT  
 HS-2009D

-L- POT Sta. 50+66.91  
 END PROJECT  
 HS-2009D

-L- POT  
 Sta. 53+00.00

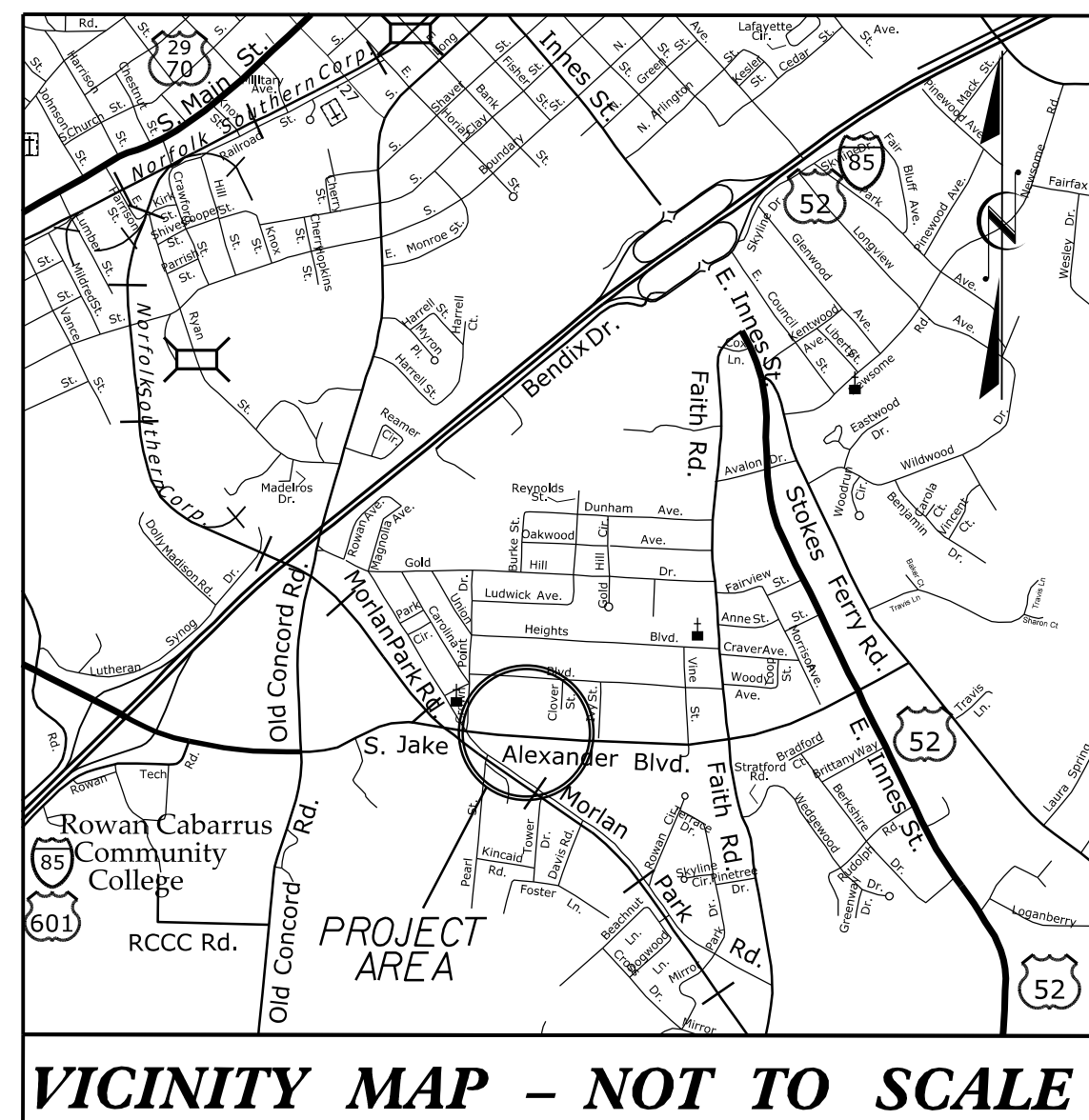
-L- PT  
 Sta. 47+82.61

NOTE: SEE SHEETS  
 X-1 THRU X-3 FOR  
 CROSS SECTIONS

REVISIONS  
 8/19/22: Parcels 1(Lineberry) & 3(Sasser) removed, do not disturb notes added to same parcels

8/17/99  
 I:\MAR-2023\14440\5-Projects\Development\TIP\_Projects\_HS\HS-2009D\Roadway\HS-2009D.dwg  
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**PROJECT: HS-2009D**

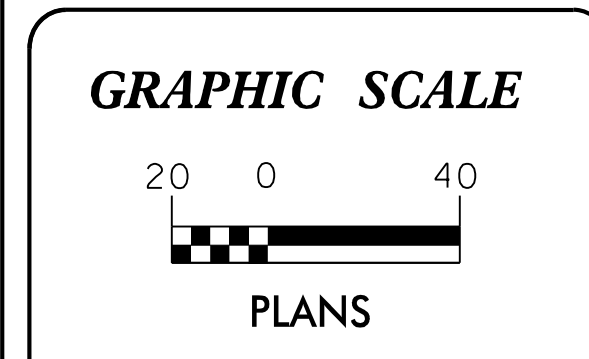
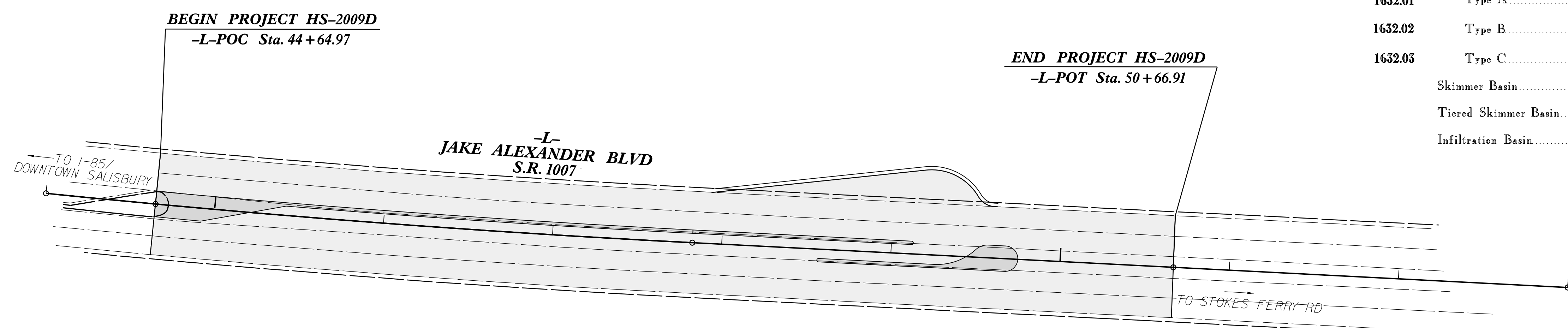
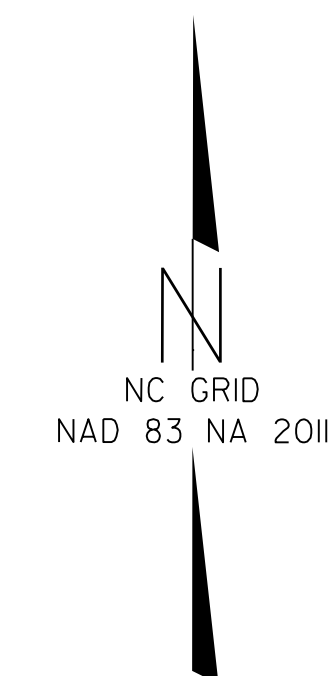


STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**ROWAN COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2009D	EC-1	4
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	▲▲▲
1622.01	Temporary Berms and Slope Drains	—
1630.02	Silt Basin Type B	□
1633.01	Temporary Rock Silt Check Type-A	□
1633.01	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	□
1635.02	Temporary Rock Silt Check Type-B	□
1635.02	Wattle/Coir Fiber Wattle	—
1635.02	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	—
1634.01	Temporary Rock Sediment Dam Type-A	□
1634.02	Temporary Rock Sediment Dam Type-B	□
1635.01	Rock Pipe Inlet Sediment Trap Type-A	□
1635.02	Rock Pipe Inlet Sediment Trap Type-B	□
1630.04	Stilling Basin	□
1630.06	Special Stilling Basin	□
1630.06	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
1630.04	Skimmer Basin	□
1630.04	Tiered Skimmer Basin	□
1630.04	Infiltration Basin	□



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:  
**DIVISION 9 DDC**  
 375 Silas Creek Parkway  
 Winston-Salem, NC 27127

**2018 STANDARD SPECIFICATIONS**

Designed by:  
**Tommy J. Marion** 3215  
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

Projects: US:IT:MAR:2023:1419:lex:Mor-IamPark-T2:ErosionControl\HS-2009D\_ddc-EC.tsh:udgn





DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.



REVISIONS

17-MAR-2023 14:49 S:\Projects\Development\TIP\_Projects\HS\HS-2009D-Jake\A\text-MorlanPark-T2-ErosionContr\HS-2009D\_dde\_EC\_psh4.dgn  
 8/17/99

$PI\ Sta\ 43+46.35$   
 $\Delta = 6^{\circ}33'03.9''\ (LT)$   
 $D = 0^{\circ}45'00.0''$   
 $L = 873.48'$   
 $T = 437.22'$   
 $R = 7,639.44'$

-L-POC Sta.44+64.97  
 BEGIN PROJECT  
 HS-2009D

-L- POC  
 Sta.44+00.00

TIE IN TO EXISTING CONC ISLAND

45+00

-L- PT  
 Sta.47+82.61

2

-L-POT Sta.50+66.91  
 END PROJECT HS-2009D

-L- POT  
 Sta.53+00.00

S 87°09'16.8" E

SUSAN K. JONES  
DB 729 PG 736

LARRY WAYNE SASSER  
and  
REGINALD ARMOND SASSER  
DB 634 PG 276

WESLEY WAYNE PERRY  
DB 1156 PG 231

JAMES L. LINEBERRY  
and wife,  
CINDY JO LINEBERRY  
DB 702 PG 225

LINDA ROUSE SHIRLEY  
DB 748 PG 873

EDDIE HAMPTON  
INVESTMENT  
PROPERTIES

EDDIE HAMPTON  
INVESTMENT  
PROPERTIES

QUERY INVESTMENT  
PROPERTIES,  
LLC

COASTAL ROWAN  
PROPERTIES,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
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NDK & SONS,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
LLC

NDK & SONS,  
LLC

RODNEY L. POTEAT  
and wife,  
LESLIE POTEAT

RODNEY L. POTEAT  
and wife,  
LESLIE POTEAT

EXIST. ROAD R/W

TO I-95/  
DOWNTOWN SAUSBURY

TO STOKES FERRY RD

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

ROWAN COUNTY

LOCATION: JAKE ALEXANDER BLVD.  
EAST OF MORLAN PARK RD

TIP NO.

HS-2009D

SHEET NO.

PMP - 1

APPROVED: *William A. Blanton*  
CC08271819FC44D

DATE: 03/17/2023

SEAL



INDEX

SHEET NO.	DESCRIPTION
PMP-1	TITLE SHEET, INDEX, FINAL PAVEMENT MARKING SCHEDULE, SUMMARY OF QUANTITIES, GENERAL NOTES & ROADWAY STANDARD DRAWINGS.
PMP-2	PAVEMENT MARKING DETAILS

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION (FINAL PAVEMENT MARKING)
	THERMOPLASTIC (4", 90 MILS)
TA	WHITE EDGELINE
TB	YELLOW EDGE LINE
TC	10 FT. WHITE SKIP
TD	3 FT. - 9 FT. /SP WHITE MINISKIP
TI	YELLOW DOUBLE CENTER
T8	2 FT. - 6 FT. /SP WHITE MINISKIP
T9	2 FT. - 6 FT. /SP YELLOW MINISKIP
	THERMOPLASTIC (8", 90 MILS)
TN	WHITE GORELINE
TO	WHITE CHEVRON GORELINE
TP	YELLOW DIAGONAL
	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)
UT	U-TURN ARROW

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	1950	LF
4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	250	LF
4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	3	EA
4935000000-E	1267	FLEXIBLE DELINEATORS (CRYSTAL)	1	EA

GENERAL NOTES

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.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING TYPE	MARKERS
JAKE ALEXANDER BLVD. (-L-)	Thermoplastic w/ Standard Beads	None

(All Stop Bars, Arrow Symbols, and Diagonal lines shall be Thermoplastic)

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES. (\*)

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

E) STOPBAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

F) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

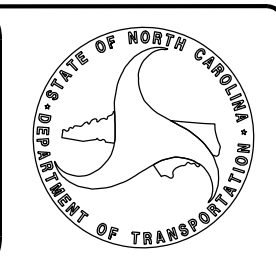
ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOL AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1267.01	FLEXIBLE DELINEATOR INSTALLATION

PLAN PREPARED BY: N.C.D.O.T. DIVISION 9 DDC

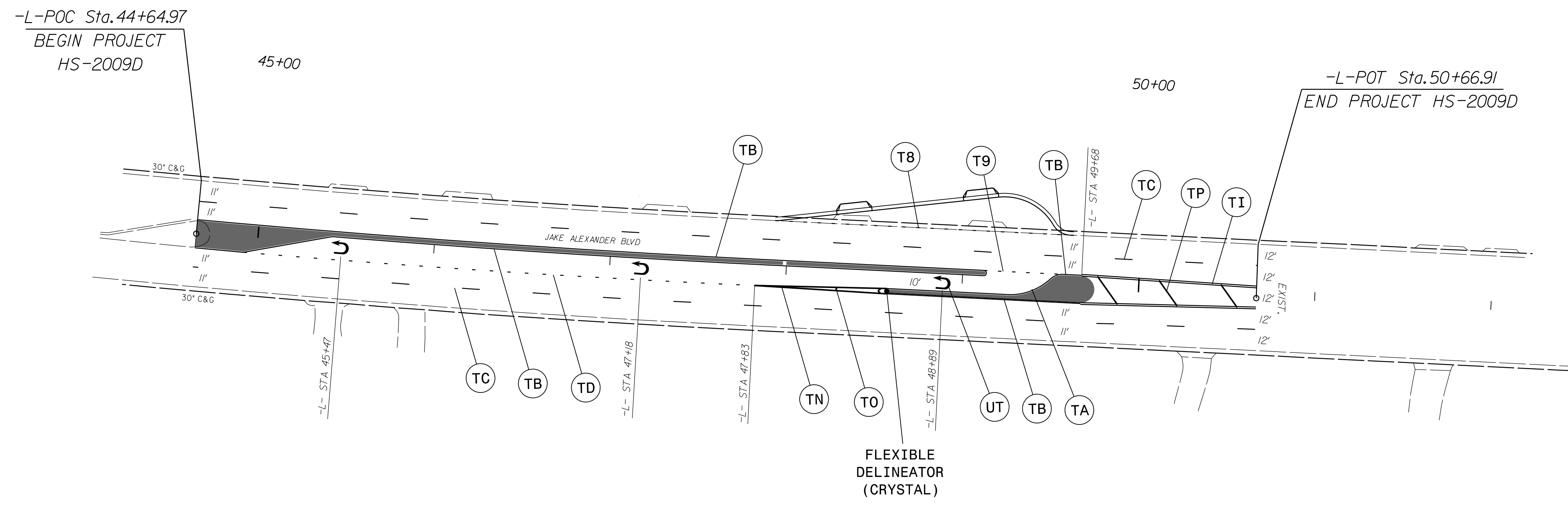
JEREMY L. KEATON DIVISION 9 DDC ENGINEER



REVISIONS

8/17/99

IS:\MAR-2023\13124  
SA Projects Development\TIP Projects\_HSN\HS-2009D\Development\TIP\_PlanMark-T2\PM\HS-2009D\ddc\_pmp\_tsb.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$



PAVEMENT MARKING DETAIL

I6-MAR-2023 13:28  
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 \$\$\$USERNAME\$\$\$

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
ROWAN COUNTY**

**LOCATION: SR 1007 (JAKE ALEXANDER BLVD.) EAST OF MORLAN PARK RD IN SALISBURY**

<small>PROJECT REFERENCE NO.</small> HS-2009D	<small>SHEET NO.</small> SIGN-1
<small>DocuSigned by:</small> APPROVED: <i>William A. Blanton</i> <small>CC86871B19FC44D...</small>	
<small>DATE:</small> 03/20/2023	
<small>SEAL</small> 	

**T.I.P.: HS-2009D**

**CONTRACT: DI00306**

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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:

<u>STD. NO.</u>	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

**GENERAL NOTES**

- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . THE BACKGROUND FOR TYPE E SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . ERECT ALL 'E' SIGNS ON "U" CHANNEL POSTS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.

**SUMMARY OF QUANTITIES**

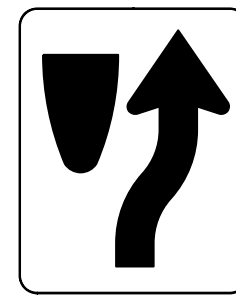
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	9	L.F.
4102000000	904	SIGN ERECTION, TYPE E	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1	EA.

**INDEX**

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2	'E' SIGN SCHEDULE
SIGN-3	PROPOSED AND EXISTING SIGNS



401 QUANTITY REQ'D 1



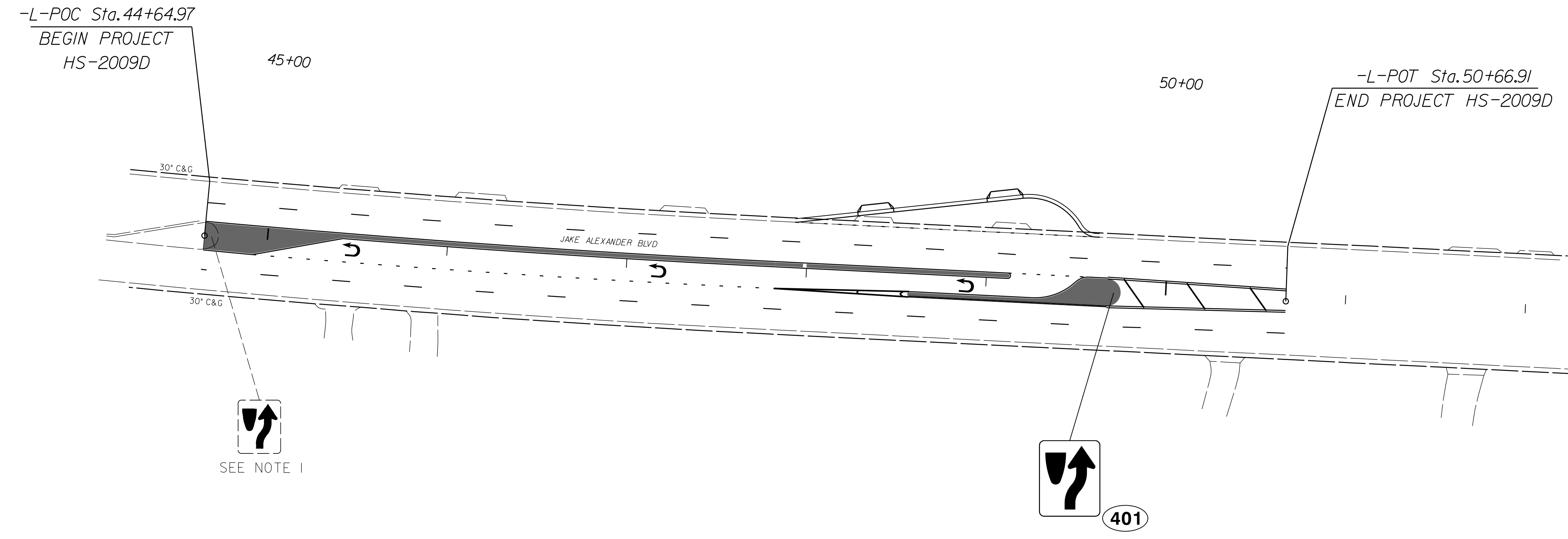
24" X 30"  
R4-7

ONE "U" POST PER SIGN

3/16/2023  
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 User: jkenton

TYPE "E" SIGNS

APPROVED: *William A. Blanton*  
DocuSigned by: CC68371819FC44D...  
 DATE: 03/17/2023



SEE NOTE I

401

**PROJECT NOTES**

- NOTES:
- DISPOSE OF SIGN SYSTEM, U-CHANNEL

**PROPOSED AND EXISTING SIGNS**

3/16/2023  
 S:\Development\TIP\_Projects\_HS\HS-2009D-JakeAlex-MorlanPark-T2\Traffic\Signing&Delineation\HS-2009D-Sgn-SGN.dgn  
 User: jblanton  
 Revised:

8/17/99

REVISIONS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2009D	RW01	2

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

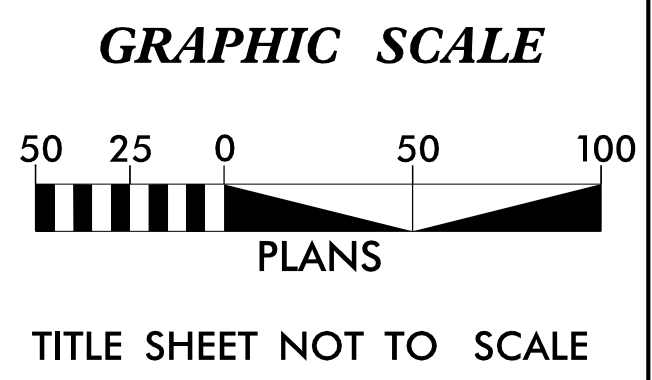
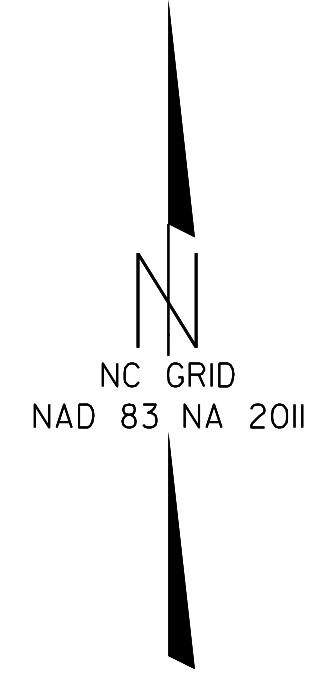
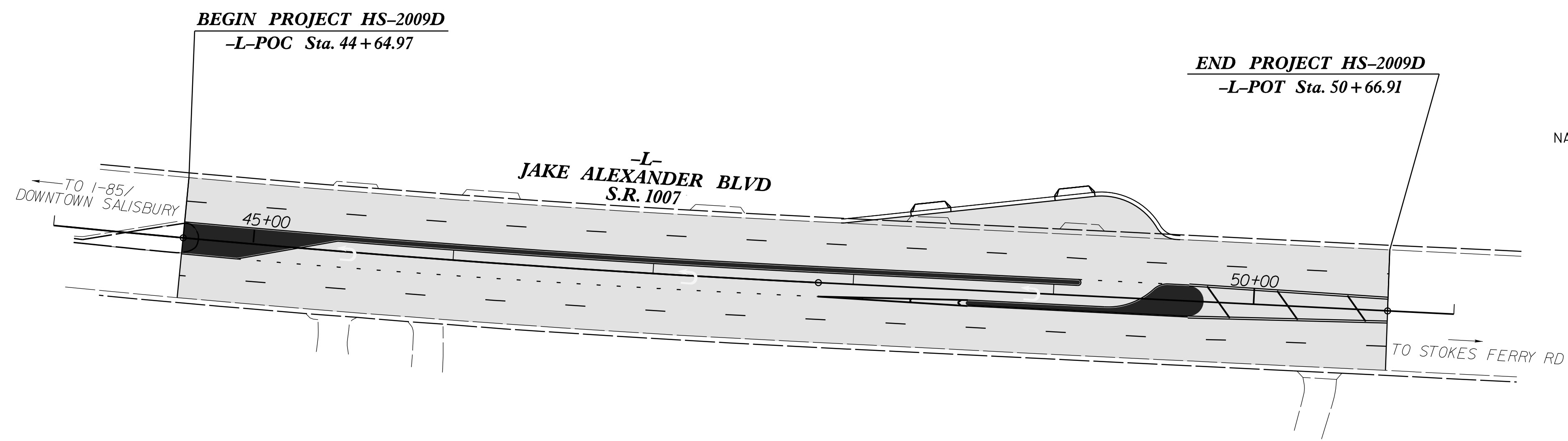
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SURVEY CONTROL, EXISTING CENTERLINES,  
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

**ROWAN COUNTY**

**LOCATION: SR 1007 (JAKE ALEXANDER BLVD) EAST OF  
MORLAN PARK ROAD IN SALISBURY**

**TIP PROJECT: HS-2009D**



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "MORLAN-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF  
NORTHING: 691926.213(ft) EASTING: 1563845.380(ft)  
ELEVATION: 791.13(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99986286

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "MORLAN-2" TO -L- STATION 39+09.13 IS  
S 59° 33'00" W 56.14(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
NINTH DIVISION DESIGN/CONSTRUCT  
375 SILAS CREEK PARKWAY WINSTON-SALEM, N.C. 27127

2018 STANDARD SPECIFICATIONS

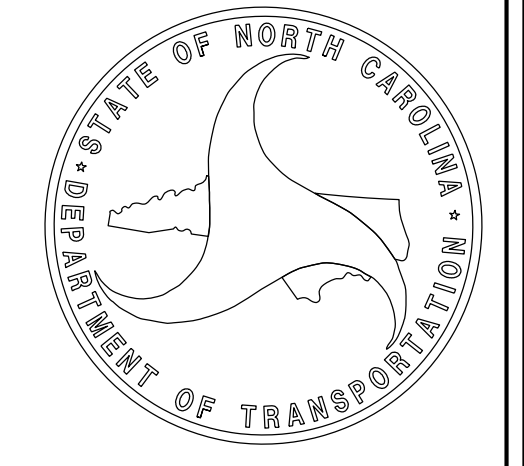
<b>RIGHT OF WAY DATE:</b> 03/18/2022	<b>LETTING DATE:</b> 05/01/2023
-----------------------------------------	------------------------------------

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**PROFESSIONAL LAND  
SURVEYOR**

DocuSigned by:  
*Jeremy Keaton*  
SIGNATURE

03/17/2023  
Date:



17-MAR-2023 13:13  
S:\Project\_Development\TIP\_Projects\HS\HS-2009D-JakeAlex-MorlanPark-T2\Surveys\ControlSheets\HS-2009D\_DDC\_RWI\_TSH.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$



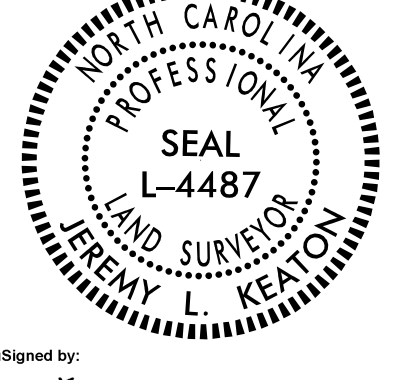
# RIGHT OF WAY CONTROL SHEET

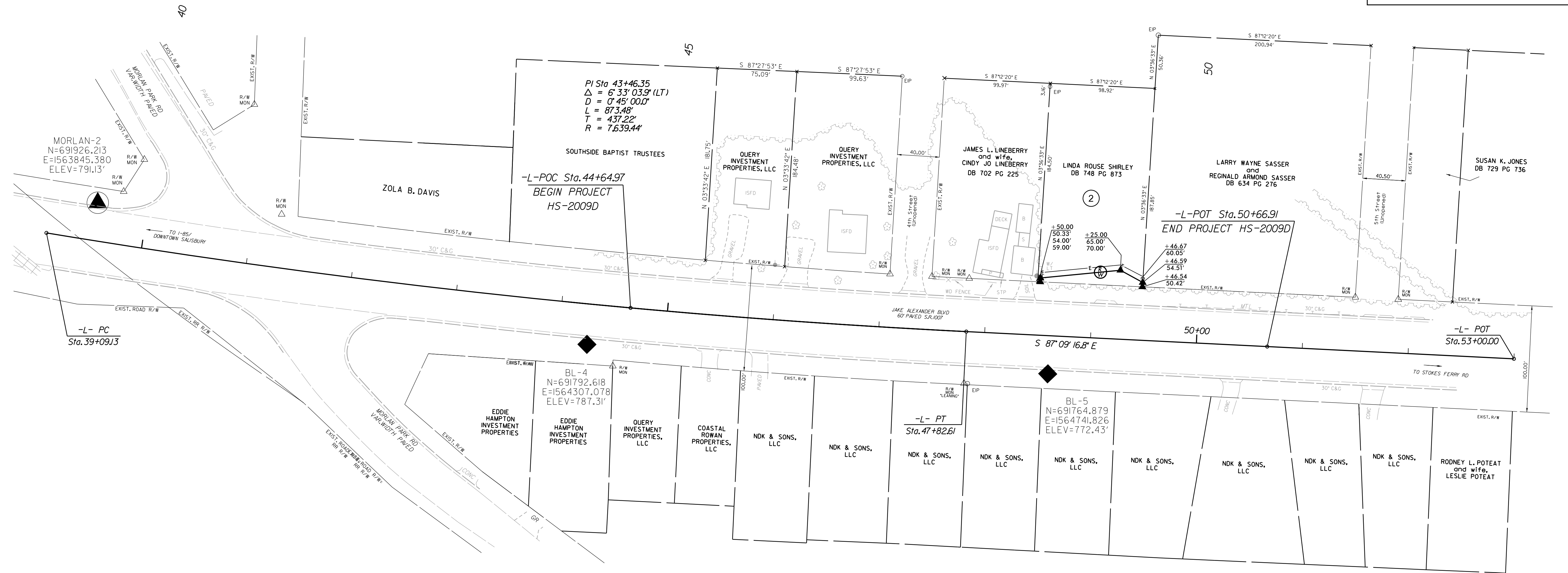
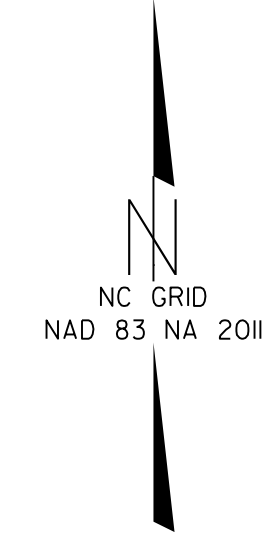
I, Jeremy L. Keaton, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I, Jeremy L. Keaton, certify that the right of way monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from Nov. 2021 to Sept. 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of March, 2023.

DocuSigned by:  
**Jeremy Keaton**  
 Professional Land Surveyor L-4487

PROJECT REFERENCE NO.	SHEET NO.
HS-2009D	RW04
<b>Division 9 DDC</b>	
PROJECT SURVEYOR	
	
DocuSigned by: <b>Jeremy Keaton</b> 7110DF5968A44499	
03/17/2023	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



CONTROL POINTS				
POINT	DESC.	NORTH	EAST	ELEVATION
2	MORLAN-2	691926.213	1563845.380	791.13
4	BL-4	691792.618	1564307.078	787.31
5	BL-5	691764.879	1564741.826	772.43

**NOTES:**

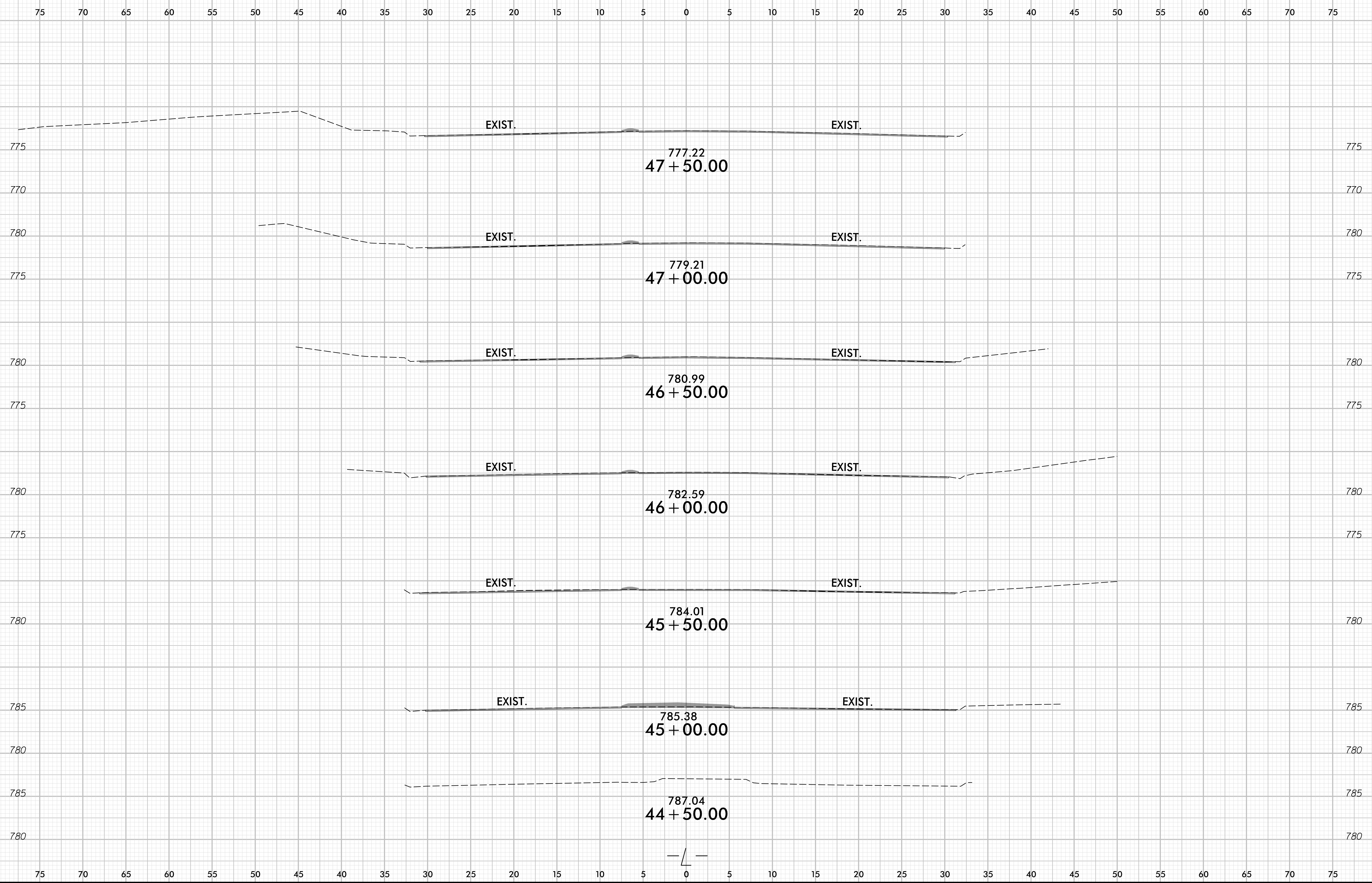
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE DIVISION 9 DDC UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED SEPTEMBER 2023.

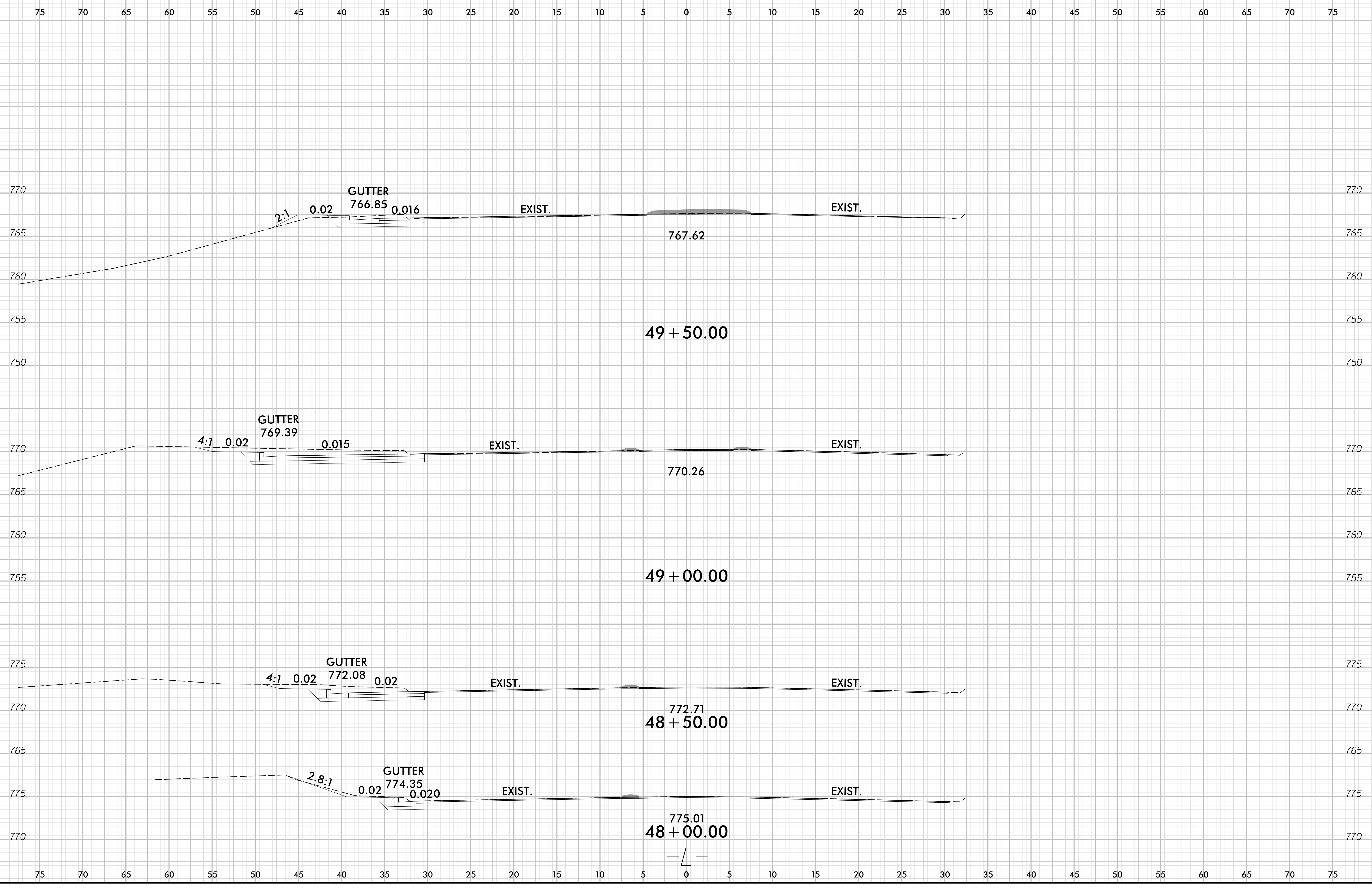
L (EXISTING & PROPOSED)			
TYPE	STATION	NORTH	EAST
PC	39+09.13	691897.7620	1563796.9829
PT	47+82.61	691804.6767	1564665.0089
POT	53+00.00	691778.9933	1565181.7625

ROW MARKER CONCRETE				
ALIGN	STATION	OFFSET	NORTH	EAST
L	48+50.00	-50.33	691851.5985	1564734.8156
L	48+50.00	-54.00	691855.2648	1564734.9978
L	49+25.00	-65.00	691862.5282	1564810.4514
L	49+46.54	-50.42	691846.8921	1564831.2392
L	49+46.59	-54.51	691850.9770	1564831.4969

6/2/199  
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 J.Keaton

REVISIONS





75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

