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See Sheet 1-A For Index of Sheets

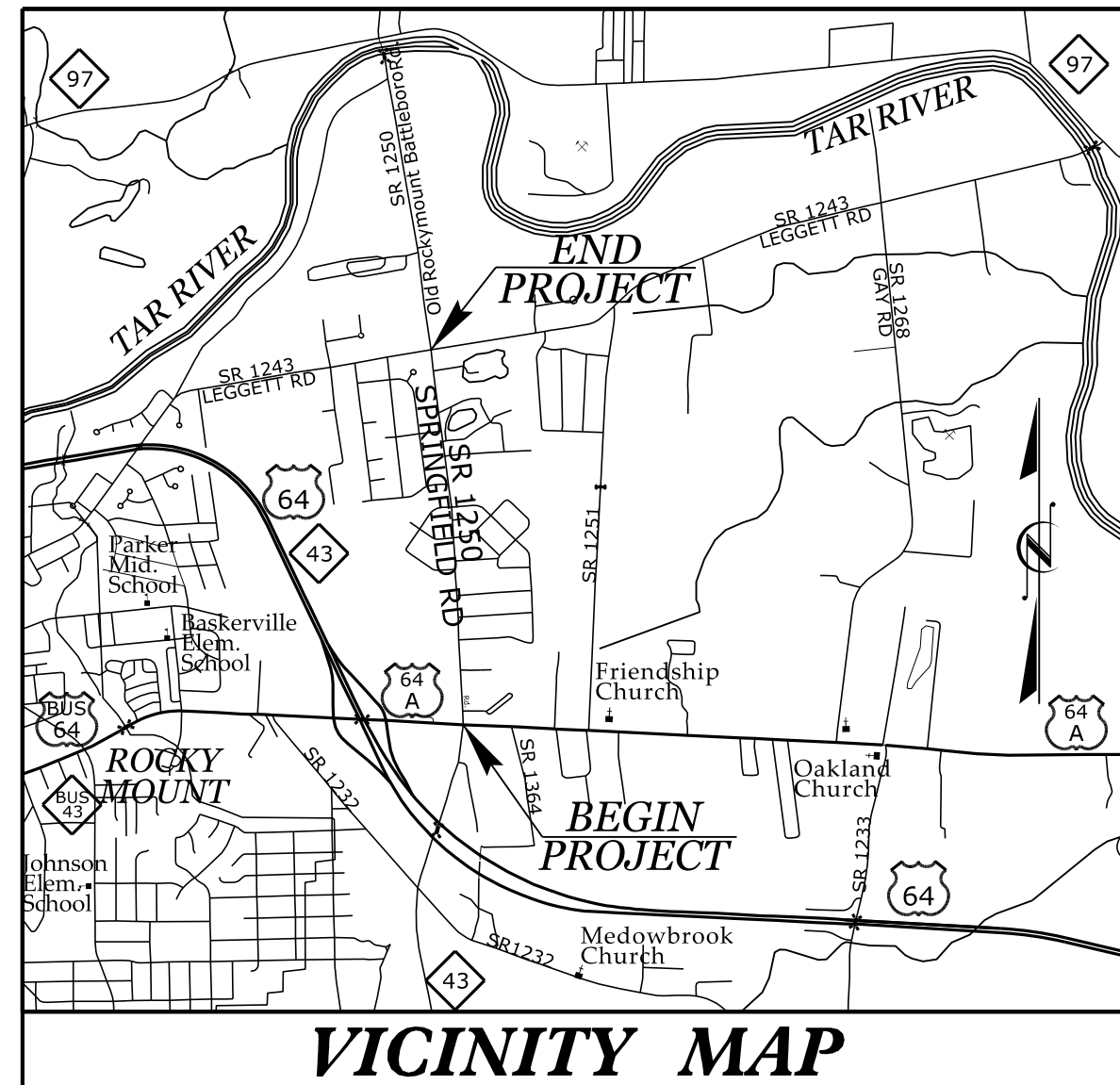
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

EDGECOMBE COUNTY

LOCATION: SR 1250 (SPRINGFIELD ROAD) FROM US-64 ALTERNATE TO SR 1243 (LEGGETT ROAD).

TYPE OF WORK: GRADING, DRAINAGE, PAVING, WIDENING & SIGNALS

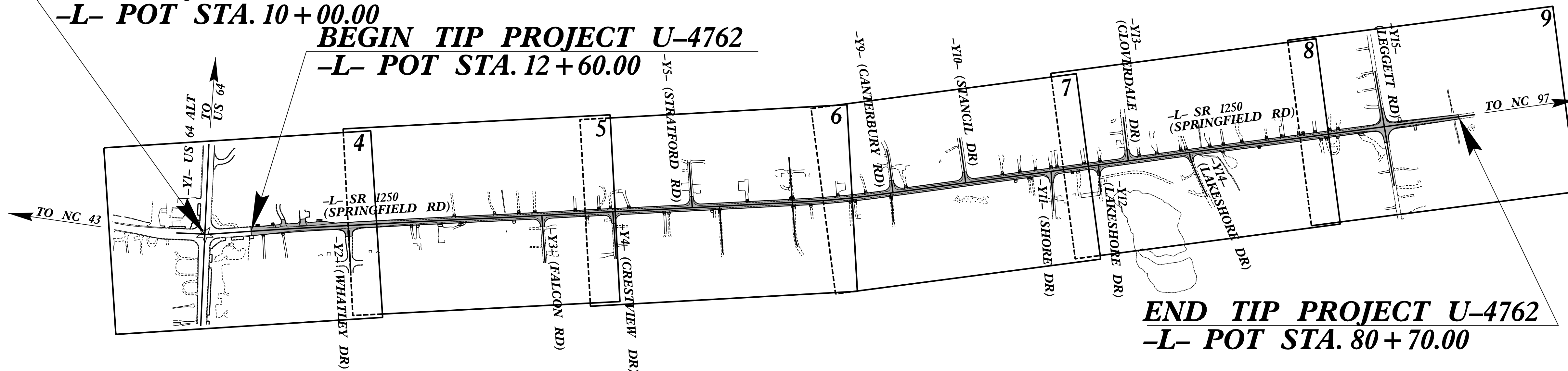
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4762	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
39930.1.2		PE	
39930.2.2		RW, UTL.	
39930.3.2		CONST.	



VICINITY MAP

**BEGIN CONSTRUCTION
TIP PROJECT U-4762
-L- POT STA. 10 + 00.00**

**BEGIN TIP PROJECT U-4762
-L- POT STA. 12 + 60.00**



**END TIP PROJECT U-4762
-L- POT STA. 80 + 70.00**



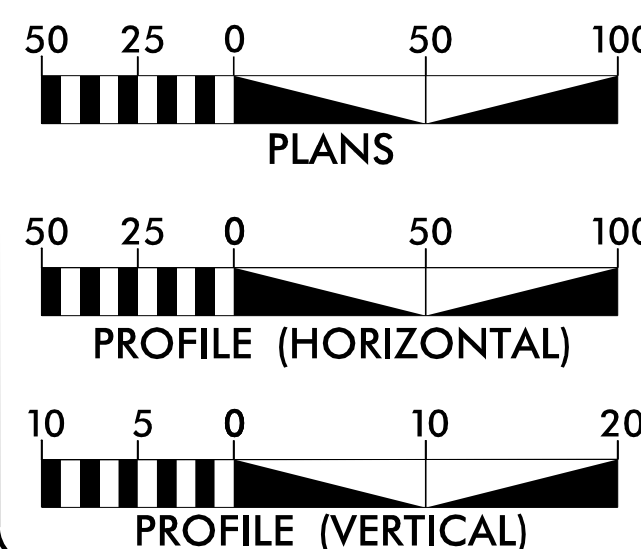
TIP PROJECT: U-4762

CONTRACT: C203972

★ UPGRADE SIGNAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2017 = 3,940
ADT 2040 = 5,500
K = 9 %
D = 55 %
T = 14 % *
V = 50 MPH
* TTST = 5% DUAL 9%
FUNC CLASS = ARTERIAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT U-4762 = 1.290 MILES
TOTAL LENGTH OF TIP PROJECT U-4762 = 1.290 MILES

Prepared For:
HIGHWAY DIVISION 4
509 Ward Blvd.
Wilson, NC 27895

2012 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
AUGUST 25, 2016
LETTING DATE:
MARCH 20, 2018

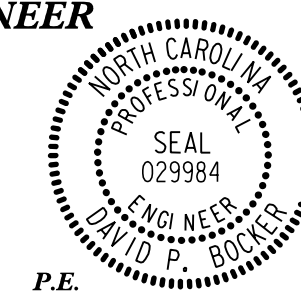
Prepared in the Office of:
CALYX
ENGINEERS • CONSULTANTS

STEPHEN C. BROWDE, PE
CALYX E & C
PROJECT MANAGER
ABBY VOGT
CALYX E & C
PROJECT DESIGN ENGINEER
JERRY PAGE, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

1/19/2018

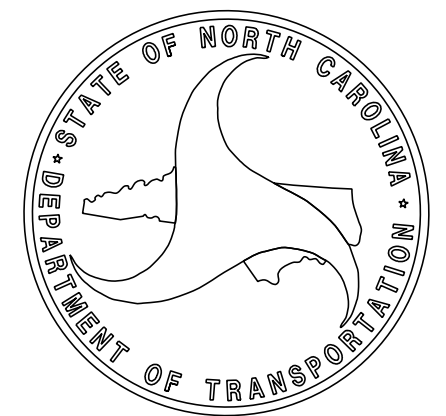
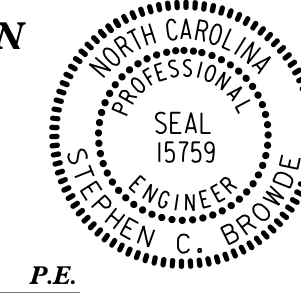
DocuSigned by:
David Boeker
SIGNATURE



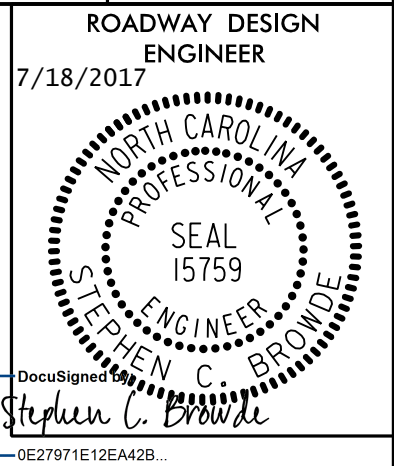
ROADWAY DESIGN ENGINEER

1/19/2018

DocuSigned by:
Stephen C. Browde
SIGNATURE



8/17/19



GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
REVISED: 10-31-2014

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.

CLEARING:

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

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.

UNDERDRAINS:

UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.03 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 900 MM RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

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

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE Edgecombe Martin EMC, Duke / Progress Energy, City of Rocky Mount, Century Link, Sudden Link

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.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

2012 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, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.03	Method of Clearing - Method III
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
225.06	Method of Grading Sight Distance at Intersections
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
310.10	Driveway Pipe Construction
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
806.01	Concrete Right-of-Way Marker
806.02	Granite Right-of-Way Marker
815.03	Pipe Underdrain and Blind Drain
838.22	Reinforced Concrete Endwall - for Double and Triple 54" Pipes 90 Skew
838.52	Reinforced Brick Endwall - for Double and Triple 54" Pipes 90 Skew
838.75	Notes for Reinforced Brick Endwall - Std. Dwg 838.51 thru 838.70
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
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.27	Brick Grated Drop Inlet Type 'B' - 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
840.45	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
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
848.04	Street Turnout
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter
852.01	Concrete Islands
876.02	Guide for Rip Rap at Pipe Outlets
876.04	Drainage Ditches with Class 'B' Rip Rap

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, & LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL PLAN SHEET SYMBOLS
1C-1 THRU 1C-2	SURVEY CONTROL SHEETS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2C-1	COAL COMBUSTION PRODUCT PLACEMENT DETAIL
2H-1	GEOENVIRONMENTAL DETAILS
3B-1	ROADWAY SUMMARIES
3D-1 THRU 3D-9	DRAINAGE SUMMARIES
3G-1	GEO TECHNICAL SUMMARIES
3P-1	PARCEL INDEX SHEET
4-9	PLAN SHEETS
10-12	PROFILE SHEETS
TMP-1 THRU TMP-12	TRANSPORTATION MANAGEMENT PLANS
PMP-1 THRU PMP-7	PAVEMENT MARKING PLANS
EC-1 THRU EC-15/CONST.09	EROSION CONTROL PLANS
RF-1	REFORESTATION PLANS
SIG-1.0 -THRU SIG-2.4	SIGNAL PLANS
UC-1 THRU UC-16	UTILITY CONSTRUCTION PLANS
UD-1 THRU UD-7	UTILITY BY OTHERS
X-0	CROSS-SECTION SUMMARY
X-1 THRU X-28	CROSS-SECTIONS

EFF. 01-17-2012
REV. 02-29-2016

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

12/2/2016

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Computed Property Corner	-----
Property 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 ☠
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	○ S
Well	○ W
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	○ MILEPOST 35
Switch	□ 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 Easement Pin and Cap	◇
New Permanent Easement 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 R/W Marker	-----
New Control of Access Line with Concrete C/A 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	-----
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	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

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	-----

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	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground 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.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	-----
Abandoned According to Utility Records	-----
End of Information	-----

SURVEY CONTROL SHEET U-4762

PROJECT REFERENCE NO.	SHEET NO.
U-4762	1C-1
Location and Surveys	

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
100	BL100	800728.0440	2368925.8870	107.99	OUTSIDE PROJECT LIMITS	
2	U4762-2	801379.2755	2368998.0318	104.61	10+45.58	37.50 RT
102	BL102	802642.2010	2368875.1390	97.88	23+13.64	15.65 LT
103	BL103	803213.1000	2368849.4950	94.23	28+85.15	14.48 LT
104	BL104	803623.8980	2368827.9930	94.57	32+96.47	15.64 LT
105	BL105	804103.1720	2368801.0430	94.50	37+76.51	19.94 LT
106	BL106	804650.5850	2368778.1910	94.09	43+24.39	16.06 LT
107	BL107	805162.3580	2368731.8160	88.39	48+39.73	14.97 LT
108	BL108	805631.7570	2368668.5560	78.34	53+13.37	16.07 LT
109	BL109	806106.8410	2368642.5090	77.28	57+87.77	20.03 RT
110	BL110	806474.8350	2368559.2820	75.54	61+63.49	14.28 LT
111	BL111	806889.9910	2368533.5350	74.69	65+78.49	15.01 RT
112	BL112	807403.8380	2368439.3720	74.55	71+00.15	13.01 LT
3	U4762-3	807980.0609	2368351.1196	76.28	76+82.97	26.43 LT
4	U4762-4	809047.6001	2368221.0468	74.82	OUTSIDE PROJECT LIMITS	

TBM1 ELEVATION = 106.12
 N 800536 E 2369085
 OUT OF PROJECT LIMITS
 RR SPIKE IN 16" OAK

TBM2 ELEVATION = 106.58
 N 802081 E 2368844
 L STATION 17+55.00 75 LEFT
 RR SPIKE IN 16" PINE

TBM3 ELEVATION = 96.32
 N 803874 E 2368781
 L STATION 35+49.00 51 LEFT
 RR SPIKE IN 20" PINE

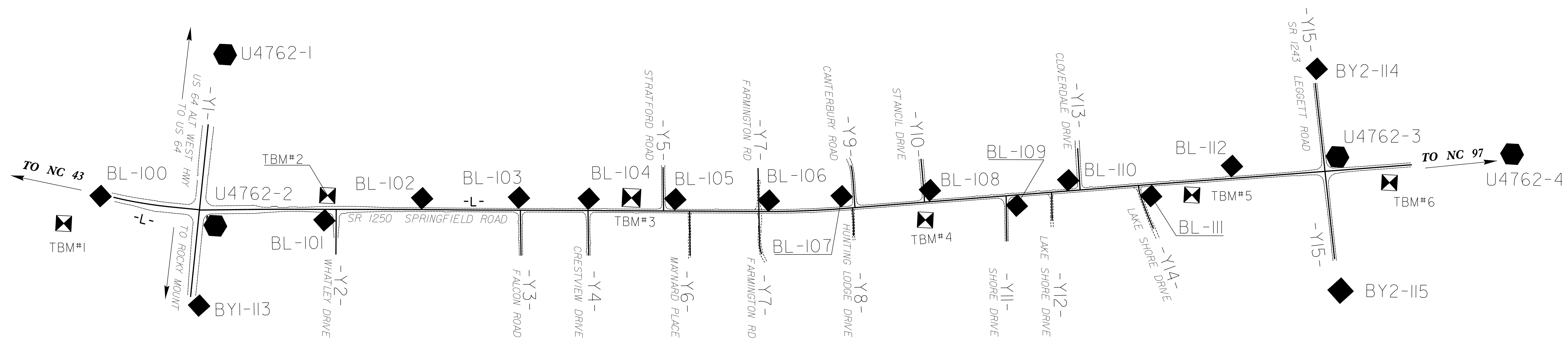
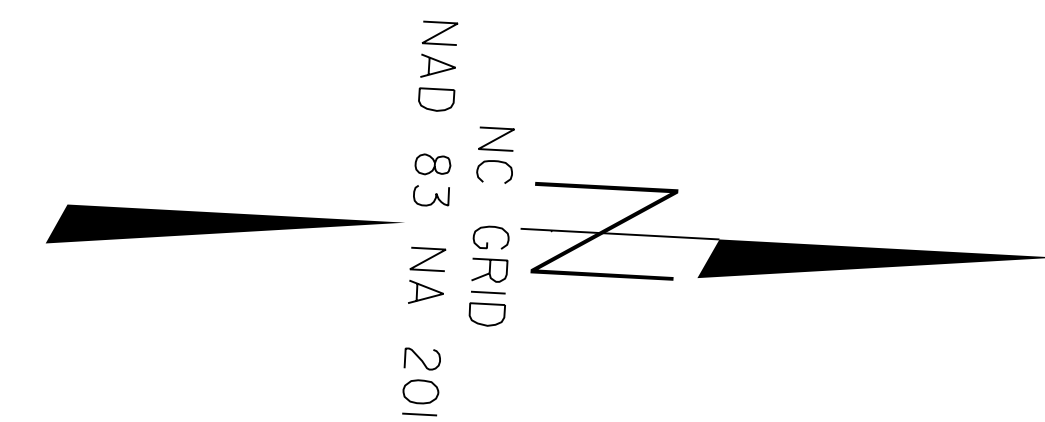
TBM4 ELEVATION = 75.88
 N 805610 E 2368761
 L STATION 52+79.00 72 RIGHT
 RR SPIKE IN 12" ELM

TBM5 ELEVATION = 75.59
 N 807207 E 2368545
 L STATION 68+91.00 66 RIGHT
 RR SPIKE IN 26" PINE

TBM6 ELEVATION = 85.70
 N 808308 E 2368395
 L STATION 80+03.00 59 RIGHT
 RR SPIKE IN 14" PINE

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
1	U4762-1	801426.7934	2368046.8581	111.49	OUTSIDE PROJECT LIMITS	
2	U4762-2	801379.2755	2368998.0318	104.61	15+40.44	49.53 LT
113	BY113	801339.5450	2369506.7920	103.49	OUTSIDE PROJECT LIMITS	

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	Y15 STATION	OFFSET
114	BY2114	807871.6580	2367816.6810	77.52	OUTSIDE PROJECT LIMITS	
3	U4762-3	807980.0609	2368351.1196	76.28	12+90.98	33.90 LT
115	BY2115	808079.6690	2369078.3190	75.54	OUTSIDE PROJECT LIMITS	



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U4762-3" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 807980.0609(±) EASTING: 2368351.1196(±) ELEVATION: 76.28(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999948388

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U4762-3" TO -L- STATION 10+00.00 IS S 5° 15' 46.89" W 6.676.86'

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

NOTES:

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: [HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)

THE FILES TO BE FOUND ARE AS FOLLOWS: U-4762_LS_CONTROL.txt

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT. PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

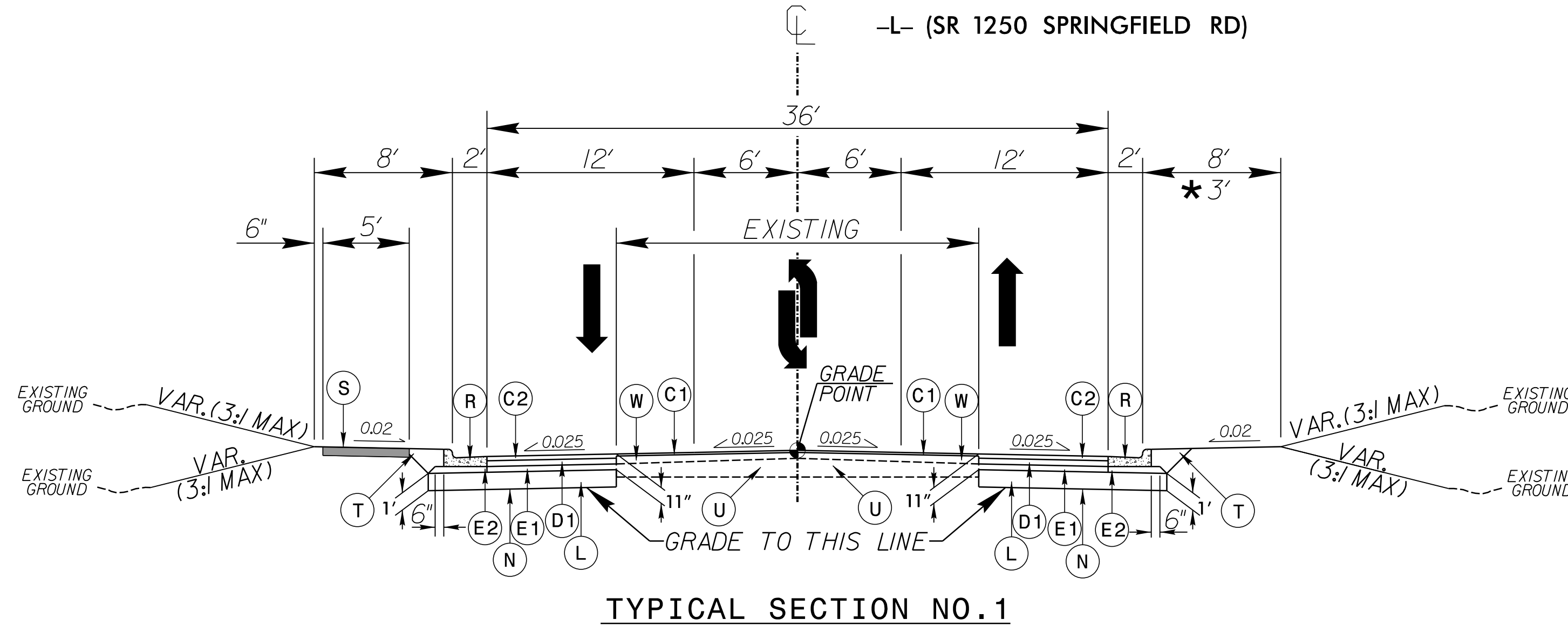
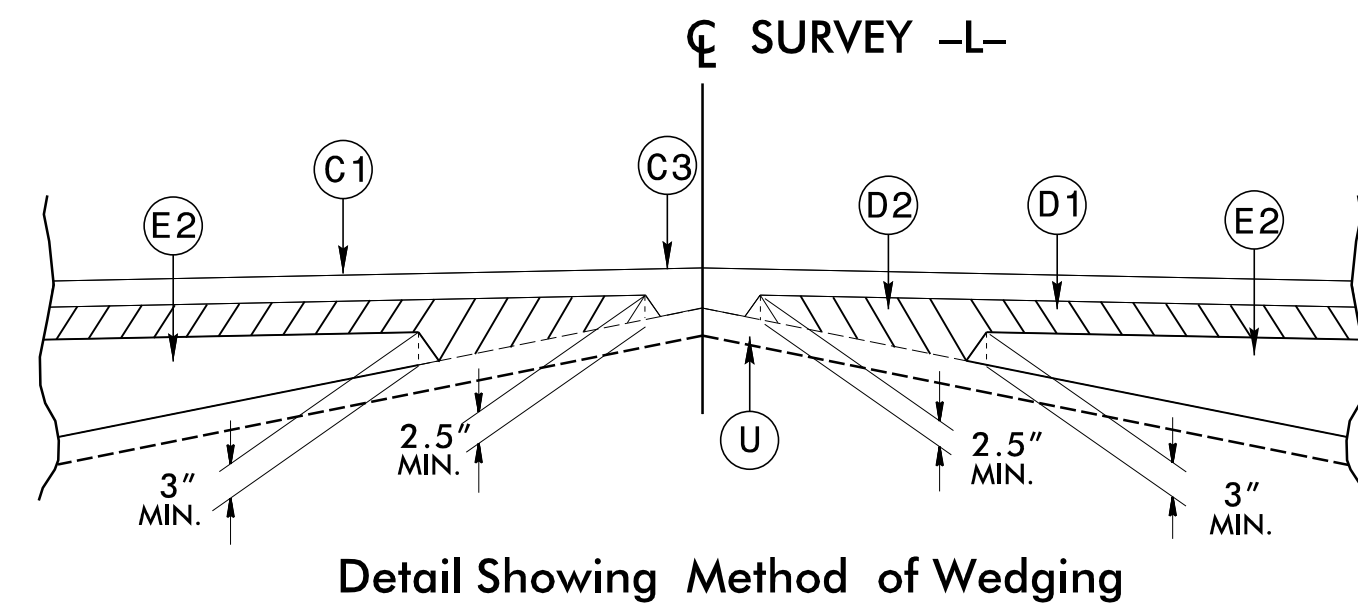
NOTE: DRAWING NOT TO SCALE

6/2/2015

SEPTEMBER 15, 2015

PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5½" IN DEPTH.
L	1' SELECT MATERIAL CLASS II, TYPE 2
N	GEOTEXTILE FOR SOIL STABILIZATION
R	2'-6" CONCRETE CURB AND GUTTER
S	CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



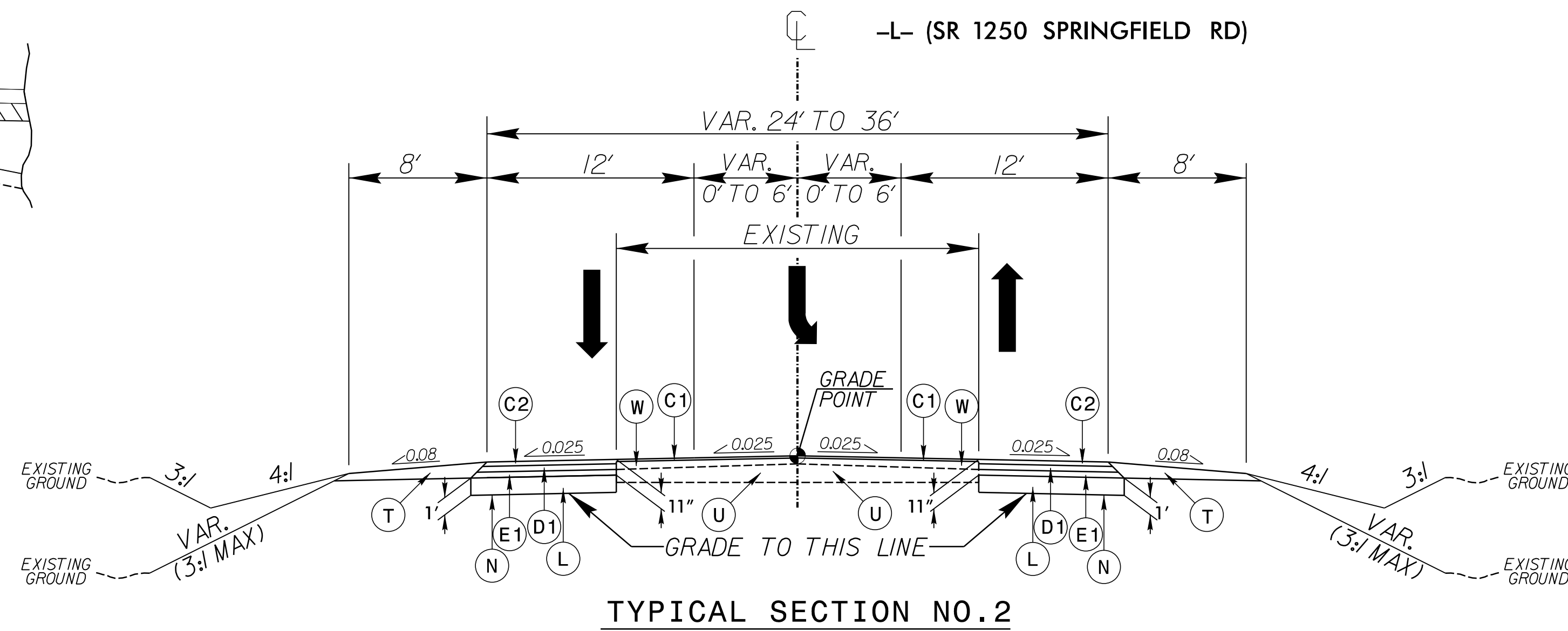
PROJECT REFERENCE NO. U-4762		SHEET NO. 2A-1	
ROADWAY DESIGN ENGINEER 7/18/2017		PAVEMENT DESIGN ENGINEER 7/18/2017	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

USE TYPICAL SECTION NO. 1
 -L- STA. 12+60.00 TO -L- STA. 76+36.55

NOTES:
 * -L- STA. 65+46.28 (-L- /-Y14- INTERSECTION) TO -L- STA. 72+20.00

SEE PLANS FOR TURN LANES AND TAPERS.
 SHALLOW UNDERCUT 1' IN DEPTH AND REPLACE WITH SELECT MAT. CL. II, TYPE 2 (L)

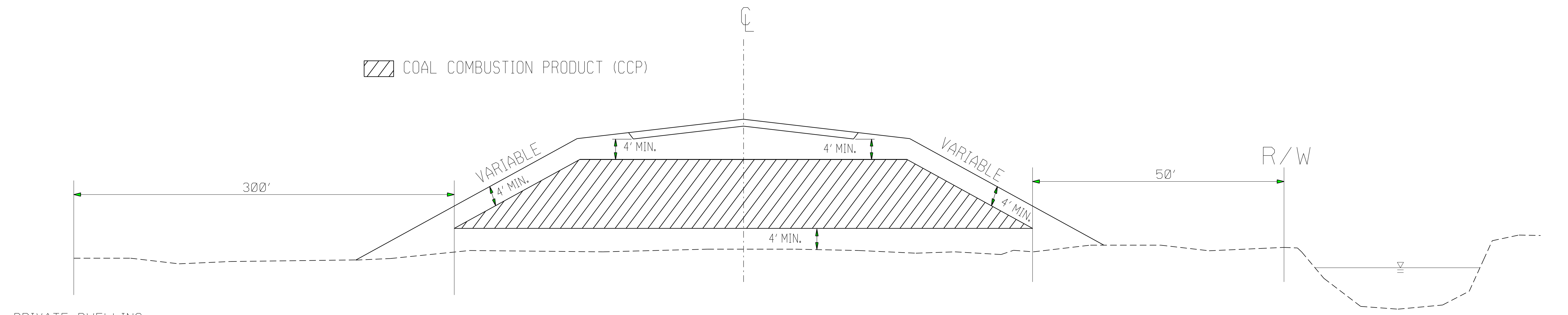
7/18/2017
 C:\Users\jacob\Documents\Projects\Roadway\ProJ\U-4762_rdy_tup.dgn
 Files



USE TYPICAL SECTION NO. 2
 -L- STA. 76+63.56 TO -L- STA. 80+70.00

NOTES:
 SEE PLANS FOR TURN LANES AND TAPERS.
 SHALLOW UNDERCUT 1' IN DEPTH AND REPLACE WITH SELECT MAT. CL. II, TYPE 2 (L)

COAL COMBUSTION PRODUCT PLACEMENT



PRIVATE DWELLING OR WELL

PERENNIAL STREAM, OTHER SURFACE WATER BODY OR *WETLAND

*(OBTAIN PERMISSION FROM ARMY CORPS OF ENGINEERS)

PLACE CCP IN HATCHED AREA IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS

PLACE CCP A MINIMUM OF 5' ABOVE SEASONAL HIGH GROUND WATER

PLACE AT LOCATIONS AS APPROVED BY THE ENGINEER

PLACE SOIL BORROW MATERIAL ON THE OUTSIDE OF CCP AS EACH LIFT OF CCP IS PLACED

25-APR-2017 15:14 S:\Contracts\Contractors\Siggoal Details\jhower-ton\Coal Combustion Product Detail.dgn jhower-ton AI CS0-232955



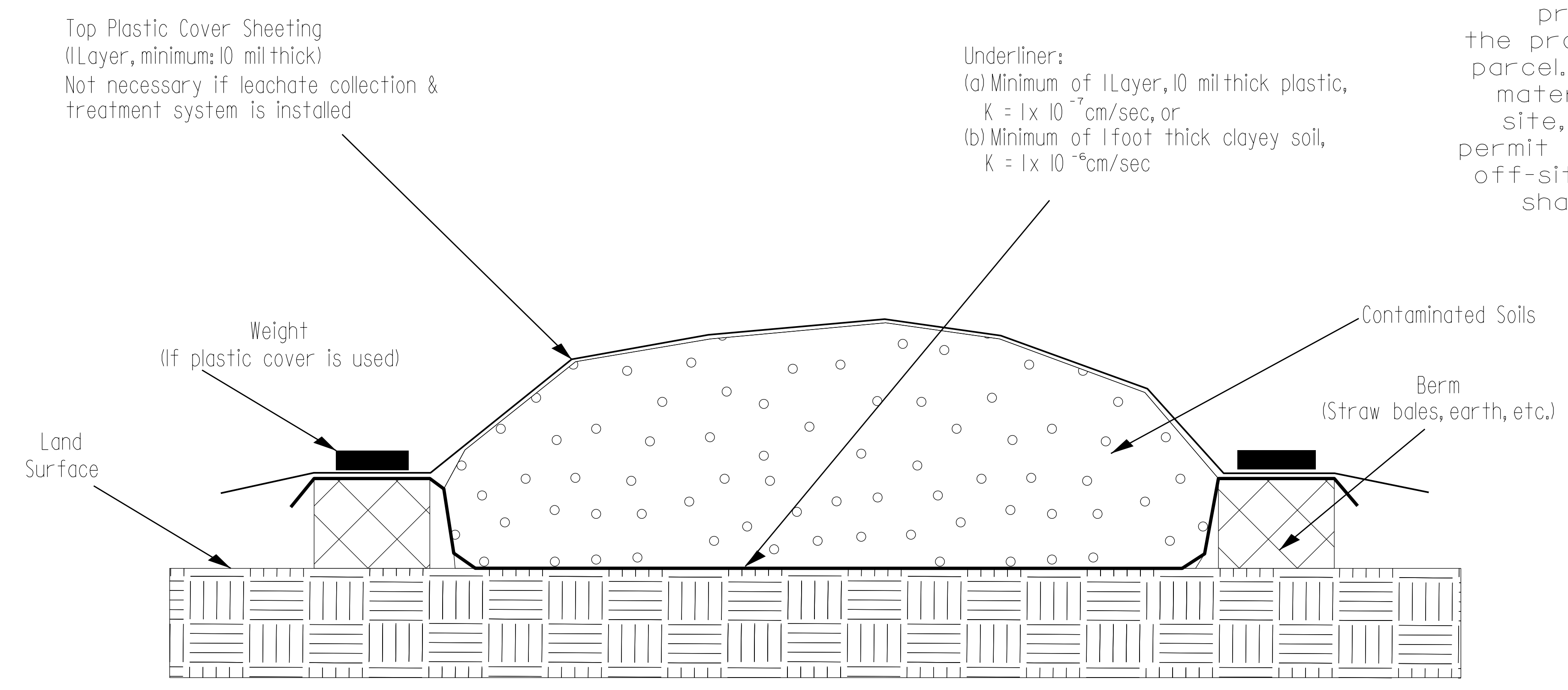
DocuSigned by:
Joe S. Howerton
6/1/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
COAL COMBUSTION PRODUCT PLACEMENT DETAIL	
ORIGINAL BY: J.S.H.	DATE: 3/16/15
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: joel/coal combustion material detail.dgn	

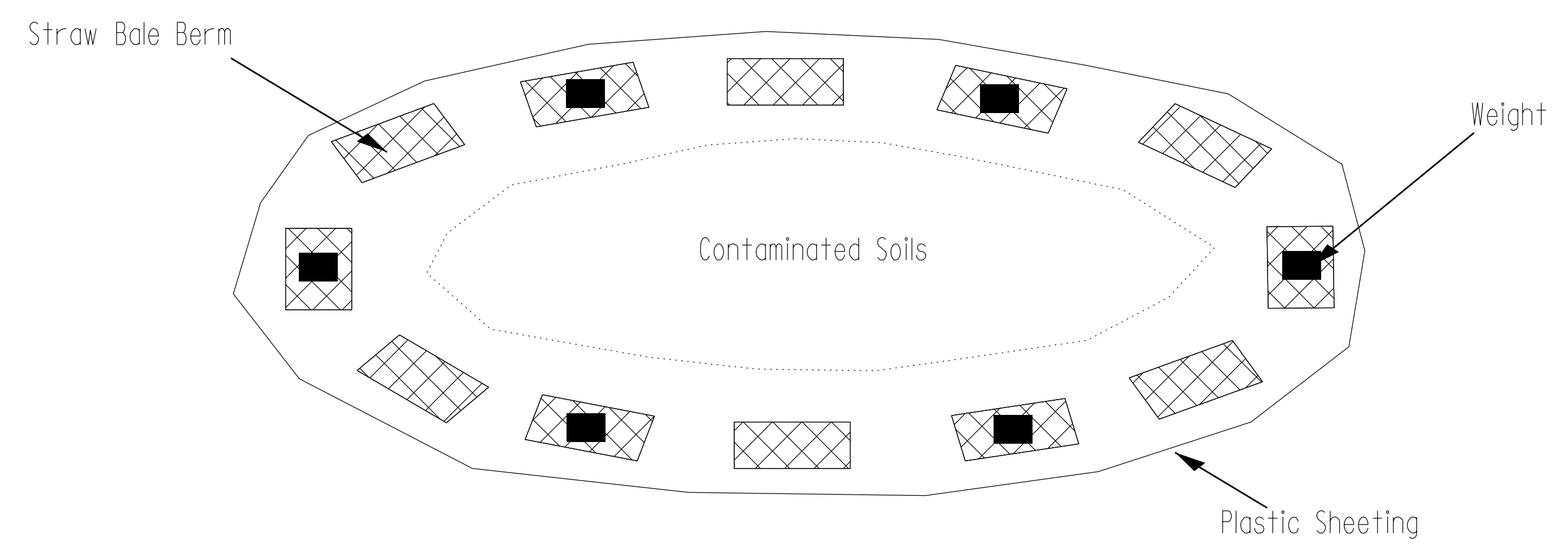
Detail for Temporary Containment of Contaminated Soil

Cross-Section View



NOTE:
The Contractor shall stockpile all contaminated soil excavated from a property in a location within the property boundaries of the source parcel. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section for off-site temporary storage. Stockpile shall be removed within 45 days.

Map View



GEOTECHNICAL ENGINEERING UNIT

EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STOCKPILE CONTAINMENT DETAIL

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1	-	-	3	-	-
2	-	-	4	-	-

PREPARED BY: _	DATE: _
REVIEWED BY: _	DATE: _

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA. 11+00.00	-L- STA. 41+50.00	589		4,308	3,719	0
SUBTOTALS:		589		4,308	3,719	0
-L- STA. 41+50.00	-L- STA. 71+50.00	653		4,929	4,276	0
SUBTOTALS:		653		4,929	4,276	0
-L- STA. 71+50.00	-L- STA. 76+36.55	99		631	532	0
SUBTOTALS:		99		631	532	0
-L- STA. 76+63.56	-L- STA. 80+70.00	524		299	0	255
SUBTOTALS:		524		299	0	255
TOTALS:		1,865		10,167	8,527	255
MATERIAL FOR SHOULDER CONSTRUCTION				1,200	1,200	
LOSS DUE TO CLEARING & GRUBBING		-25			25	
WASTE TO REPLACE BORROW					-225	-225
PROJECT TOTALS:		1,840		11,367	9,527	
5% TO REPLACE BORROW PIT					476	
GRAND TOTALS:		1,840			10,003	0
SAY:		1,850			10,050	

* UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL
 -L- 12+60.00 TO 80+70.00 PER GEOTECH.

5/9/2017 F:\2017\Projects\NCDOT\U-4762\rdj_sum_3B-1.dgn

EMARTIN, Z

COMPUTED BY: DPB - CALYX DATE: 10/27/2016
CHECKED BY: AEV - CALYX DATE: 12/19/16

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. U-4762 SHEET NO. 3D-2

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Size, Thickness, Offset, Structure Number, Drain Pipe, R.C. Pipe Class, Quantities for Drainage Structures, Frame/Grates, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS: C.A.A. CORRUGATED ALUMINIUM ALLOY, C.B. CATCH BASIN, C.S. CORRUGATED STEEL, D.I. DROP INLET, G.D.I. GRATED DROP INLET, H.D.P.E. HIGH DENSITY POLYETHYLENE, J.B. JUNCTION BOX, M.H. MANHOLE, N.S. NARROW SLOT, P.V.C. POLYVINYL CHLORIDE, R.C. REINFORCED CONCRETE, T.B.D.I. TRAFFIC BEARING DROP INLET, T.B.J.B. TRAFFIC BEARING JUNCTION BOX, W.S. WIDE SLOT

SHEET TOTALS: 124 896 72 21 0.6 17 4 6 7 4 4 212

EMARTIN 7

COMPUTED BY: DPB - CALYX DATE: 10/27/2016
CHECKED BY: AEV - CALYX DATE: 12/19/16

PROJECT NO. SHEET NO.
U-4762 3D-3

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC), R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, REINFORCED ENDWALLS, DRAINAGE STRUCTURE, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, GRAPE TYPE, and REMARKS. Includes a SHEET TOTALS row at the bottom.

EMARTIN 7

COMPUTED BY: DPB - CALYX DATE: 10/27/2016
CHECKED BY: AEV - CALYX DATE: 12/19/16

PROJECT NO. SHEET NO.
U-4762 3D-6

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drain Pipe, R.C. Pipe Class IV/V, Endwalls, Reinforced Endwalls, Drainage Structure, Frame/Grates/Hood, Concrete Transitional Section, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing codes like C.A.A., C.B., C.S., D.I., G.D.I., H.D.P.E., J.B., M.H., N.S., P.V.C., R.C., T.B.D.I., T.B.J.B., W.S. and their corresponding material descriptions.

REMARKS

SHEET TOTALS

276 972 88 116 19 1.1 13 6 7 5 5 1 1 359

EMARTIN 7

COMPUTED BY: DPB - CALYX DATE: 10/27/2016
CHECKED BY: AEV - CALYX DATE: 12/19/16

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
U-4762 3D-7

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC), R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, REINFORCED ENDWALLS, DRAINAGE STRUCTURE, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, GRADE TYPE, REMARKS. Includes a SHEET TOTALS row at the bottom.

COMPUTED BY: J. B. Barfield DATE: 5/25/17
 CHECKED BY: AEV DATE: 5/25/17

(2-16-16)

PROJECT NO.	SHEET NO.
U-4762	3G-1

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
	CONTINGENCY			UD	500
				TOTAL LF:	500

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU/AST	Aggregate/ Granular Soil Thickness INCHES	Shallow Undercut CY	Class II Type 2 Subgrade Stabilization CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
			CONTINGENCY	AST	3					50
			CONTINGENCY	ASU	12	250	500	750		
	-L-	12+60	80+70	GSS	12	4172	5000	15000		
			CONTINGENCY	GSS	12		500	1500		
			TOTAL CY/TONS/SY:			4422	5500	17250**	0	50

*ASU = Aggregate Subgrade
 *AST = Aggregate Stabilization
 *GSS = Granular Soil Subgrade

**Total square yards of "Geotextile for Soil Stabilization" is only the estimated quantity for ASU/AST and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.

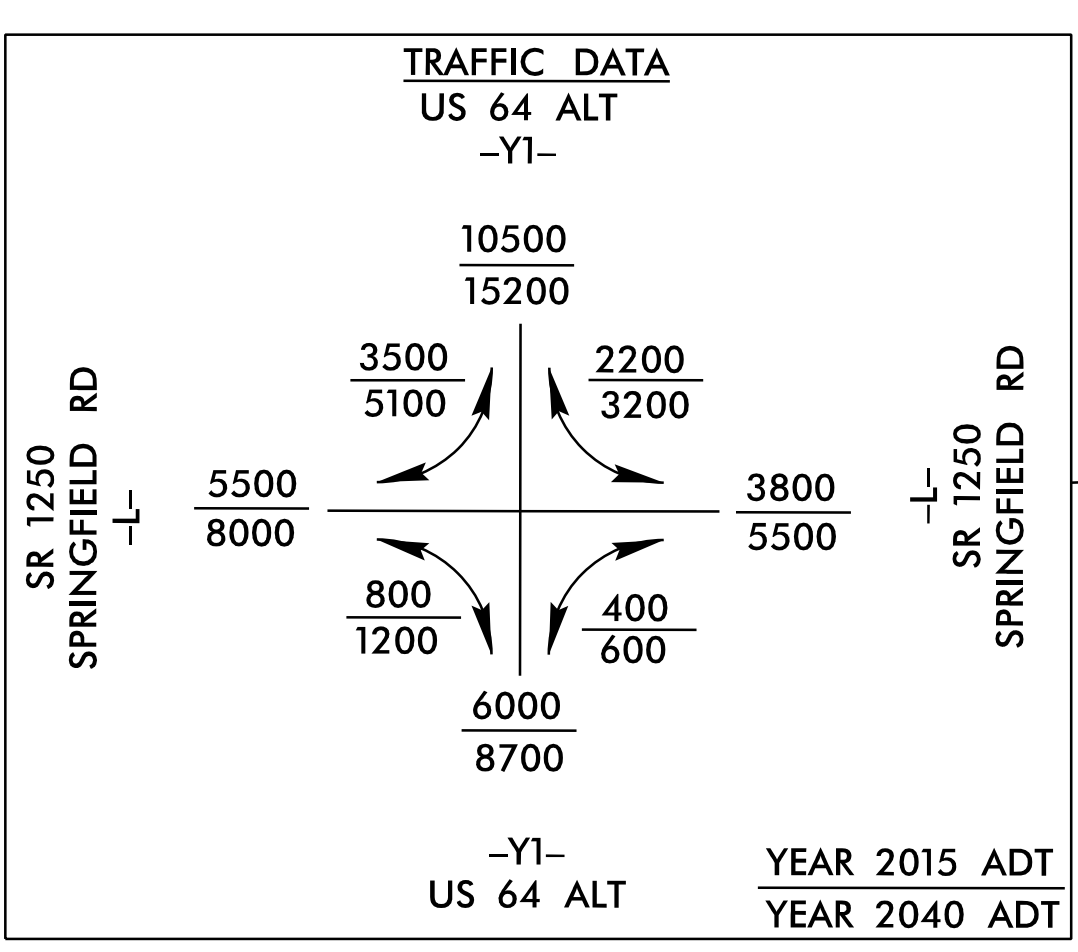
**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4	MOHAMMAD OMAR AL BAYYARI
2	4	CAMBRIDGE HIGHWAY USA LLC
3	4	CITY OF ROCKY MOUNT
4	4 & 5	POWELL PROPERTIES OF EDGEcombe COUNTY LLC
5	4	ORSINO L BELL, SR AND WIFE CONNIE L BELL
6	4	SARITA BATTLE
7	4	GLORIA R ELLIS
8	4 & 5	STEPHANIE M MITCHELL
9	5	ROBERT LOUIS WELLS, JR AND WIFE LINDA R WELLS
10	5	JASPER LEON PITTMAN AND WIFE DORIS M PITTMAN
11	5	JAMES RAY LANCASTER AND WIFE DINA M LANCASTER
12	5	JENNIFER LANCASTER
13	5	JENNIFER ELIZABETH LANCASTER
14	5	HAROLD A JAMES AND WIFE VERNELLE G JAMES
15	5 & 6	JOEY PETWAY
16	5	LINDA ANN ARRIINGTON
17	5	ERVIN HOLLOWAY AND WIFE CHARLOTTE E HOLLOWAY
18	5	LONNIE M BRASWELL AND WIFE MILDRED W BRASWELL
19	5	AUBRY T WIGGINS AND WIFE BRINDA WIGGINS
20	5	SPRINGFIELD PLAZA SHOPPING CENTER INC
21	5	MICHAEL LEONARD JOYNER AND WIFE JOAN N JOYNER
22	5	MARGRET W THORNTON
23	5 & 6	RICHARD CLAY PRICE AND WIFE JEAN KILLEBREW PRICE
24	6	GEORGE B BIRTH AND WIFE ANNE S BIRTH
25	6	NC WESLEYAN COLLEGE
26	6	CLARENCE MELTON AND WIFE EDITH P MELTON
27	6	DONAVAN LYLES AND WIFE LELA M MILES
28	6	ROBERT F GARRISON SR
29	6	MARY H DANCY
30	6	MARY H DANCY
31	6	BANK OF AMERICA NA
32	6	FEDERAL HOME LOAN MORTGAGE CORP
33	6	EDWIN M MILLS AND WIFE MABEL W MILLS
34	6	KATRINA D RAYNOR
35	6	SAMUEL HARRELL
36	6	JOESPH SHANE VARNELL
37	6	THOMAS FOX AND WIFE MILDRED FOX
38	6 & 7	ROSE FOX HUNTER
39	6 & 7	MARY W DAWSON LIFE ESTATE
40	7	ARLENE D. BANKS, BERNICE O. DAWSON MARY W. DAWSON (LIFE ESTATE)
41	7	ROSCOE DICKENS III AND WIFE SUZETTE DICKENS
42	7	CLARENCE G MILLWOOD ET AL
43	7	WILLIAM R SOLOMAN AND WIFE GWENDOLYN A SOLOMON
44	7	LMN GROUP LLC
45	7	VELMA REE PITTMAN
46	7	CURTIS M JONES AND WIFE ADDIE R JONES
47	7	SAM MCKNIGHT AND WIFE SHELTON W MCKNIGHT
48	6	HARRIEL L. PARKER AND WIFE VIOLA MIDDLETON PARKER
49	6 & 7	NELLIE A. LYONS
50	7	BETTY ROBINSON
51	7	ROSE FOX HUNTER
52	7	KLM DEVELOPMENT LLC
53	7	FREDRICK O FASEGHA AND WIFE MONZELL T FASEGHA
54	7	CALVIN BRIDGERS AND WIFE JOSEPHINE JENKINS BRIDGERS
55	7	DELANO R. DAVIS
56	7 & 8	GWENDOLYN FAYE SUGGS, ET AL
57	8	NORMAN WIGGINS LIFE ESTATE
58	8	CLEVELAND C BARNES AND WIFE MATTIE H BANES

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
59	8	MYRTLE W BATTLE
60	8	EDDIE G PAKER AND ELLA M PARKER
61	8	CHERYL PIPPEN
62	8	CRYSTAL PERRY
63	8	JAMES HENRY ROSS
64	8	LOIS GRAY BATTLE
65	8	HOWARD H STRANDBERG III AND WIFE SHARON H STRANDBERG
66	8	HOWARD H STRANDBERG III AND WIFE SHARON H STRANDBERG
67	8	OLLIE WILLIAMS AND WIFE YVONNE W WILLIAMS
68	8	PAUL ALLEN SCIPPA
69	8 & 9	DENNIS M CHERRY AND WIFE DELORIS H CHERRY
70	7 & 8	EDDIE SUGGS AND WIFE GWENDOLYN SUGGS
71	8	JOHN B MEDLEY
72	8	JOHN B MEDLEY
73	8	JOHN B MEDLEY
74	8 & 9	JANICE WEST ET AL
75	9	ROBERT LEE KNIGHT AND WIFE MARY EDWARDS KNIGHT
76	9	JIMMIE BULLOCK
77	9	GEORGE B WILLIAMS AND WIFE GLORIA R WILLIAMS
78	9	SILAS KENT SMITH AND WIFE SUSAN G SMITH
79	9	CENTURYLINK
80	9	SARAH FRANCIS MEDLIN
81	9	PEGGY JOYCE F SMITH
82	9	PEGGY JOYCE F SMITH
83	9	HANSON AGGREGATES SOUTHEAST LLC
36A	6	JOESPH SHANE VARNELL

8/17/19

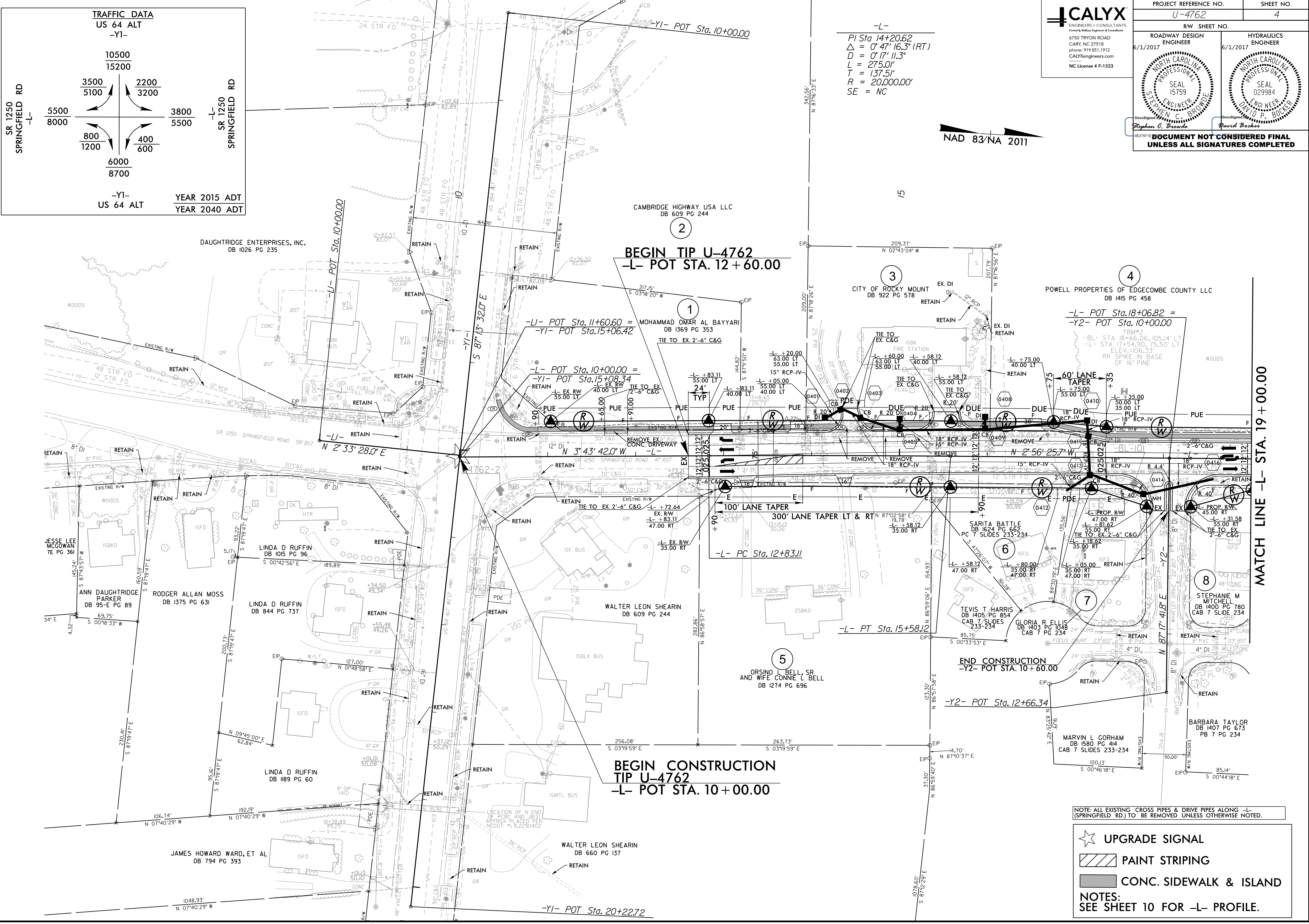


CALYX
ENGINEERS + CONSULTANTS
7570 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

PROJECT REFERENCE NO. U-4762	SHEET NO. 4
ROADWAY DESIGN ENGINEER 6/1/2017	HYDRAULICS ENGINEER 6/1/2017

SEAL 15759
SEAL 029984

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-L-
PI Sta 14+20.62
 $\Delta = 0' 47' 16.3''$ (RT)
 $D = 0' 17' 11.3''$
 $L = 275.0'$
 $T = 137.5'$
 $R = 20,000.00'$
SE = NC

NAD 83/NA 2011

-L- POT Sta.18+06.82 =
-Y2- POT Sta.10+00.00

MATCH LINE -L- STA. 19 + 00.00

NOTE: ALL EXISTING CROSS PIPES & DRIVE PIPES ALONG -L- (SPRINGFIELD RD.) TO BE REMOVED UNLESS OTHERWISE NOTED.

★ UPGRADE SIGNAL

▨ PAINT STRIPING

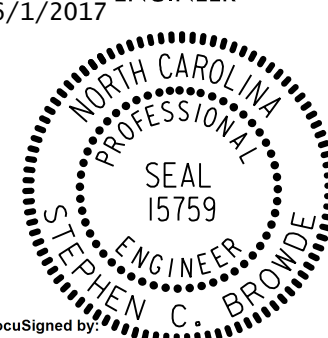
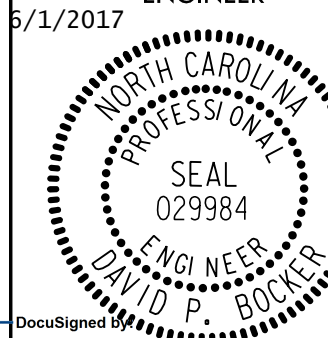
▭ CONC. SIDEWALK & ISLAND

NOTES:
SEE SHEET 10 FOR -L- PROFILE.

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-L-		
PI Sta 23+43.30 $\Delta = 0^{\circ} 28' 05.1''$ (RT) D = 0' 06" 05.2" L = 461.44' T = 230.72' R = 56,483.69' SE = NC	PI Sta 26+62.15 $\Delta = 0^{\circ} 24' 01.7''$ (LT) D = 0' 13' 38.0" L = 176.25' T = 88.12' R = 25,215.05' SE = NC	PI Sta 30+88.71 $\Delta = 0^{\circ} 04' 31.6''$ (RT) D = 0' 01' 06.8" L = 406.33' T = 203.16' R = 308,571.21' SE = NC

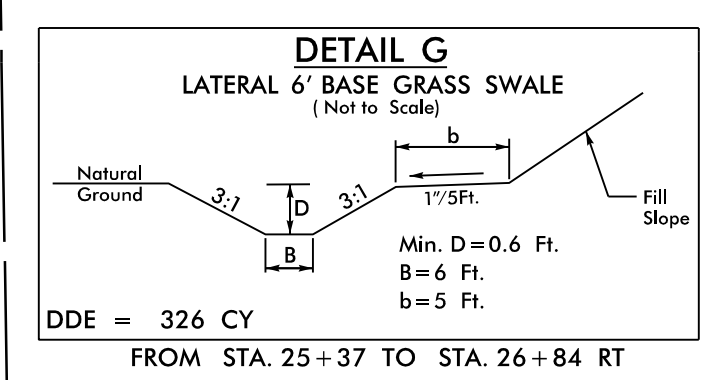
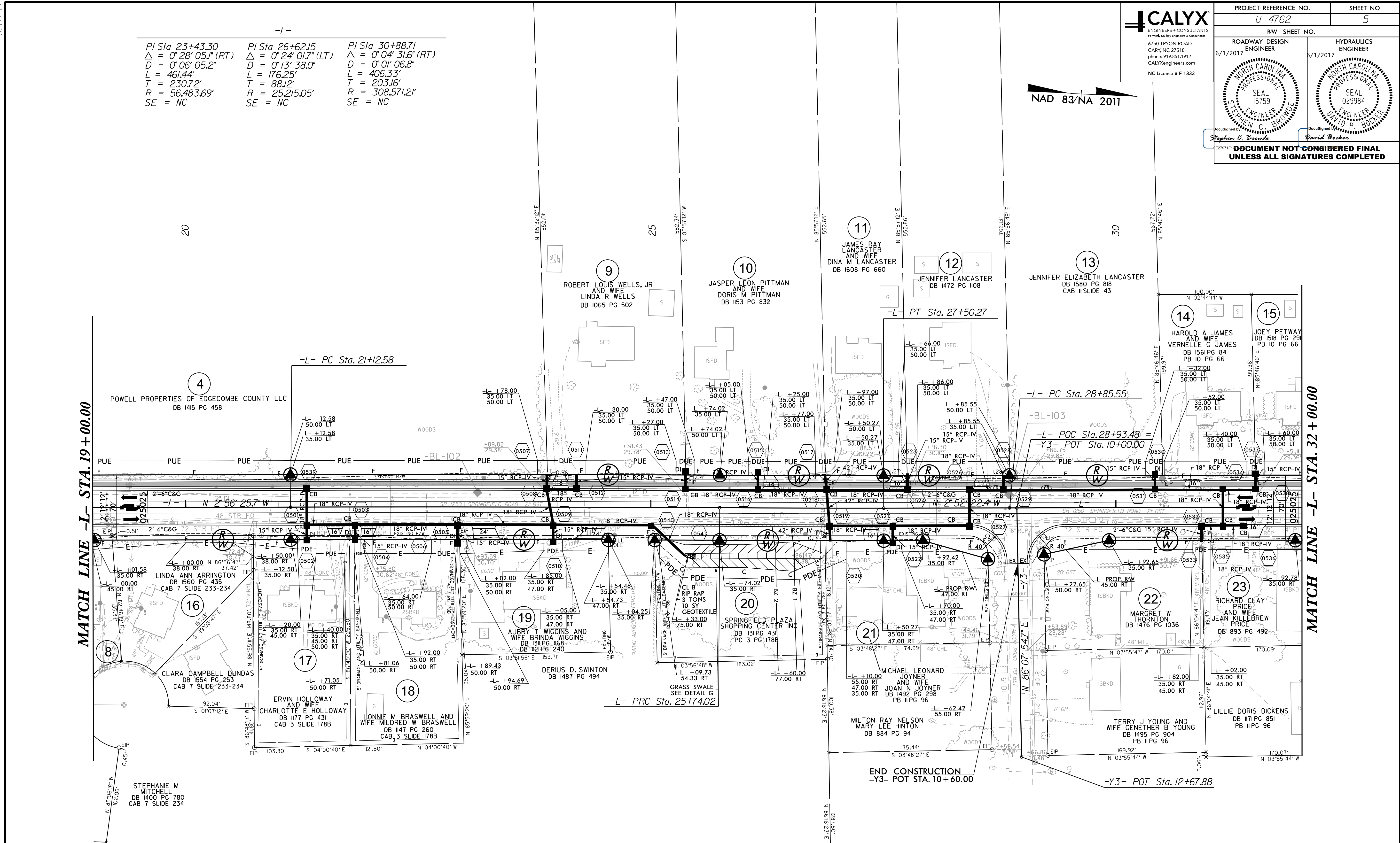
CALYX
ENGINEERS + CONSULTANTS
6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

PROJECT REFERENCE NO. U-4762		SHEET NO. 5
RW SHEET NO. 6/1/2017		HYDRAULICS ENGINEER 6/1/2017
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

NAD 83/NA 2011

MATCH LINE -L- STA. 19+00.00

MATCH LINE -L- STA. 32+00.00



CONC. SIDEWALK & ISLAND

NOTE: ALL EXISTING CROSS PIPES & DRIVE PIPES ALONG -L- (SPRINGFIELD RD.) TO BE REMOVED UNLESS OTHERWISE NOTED.

NOTES:
SEE SHEET 10 FOR -L- PROFILE.

8.17.7.99



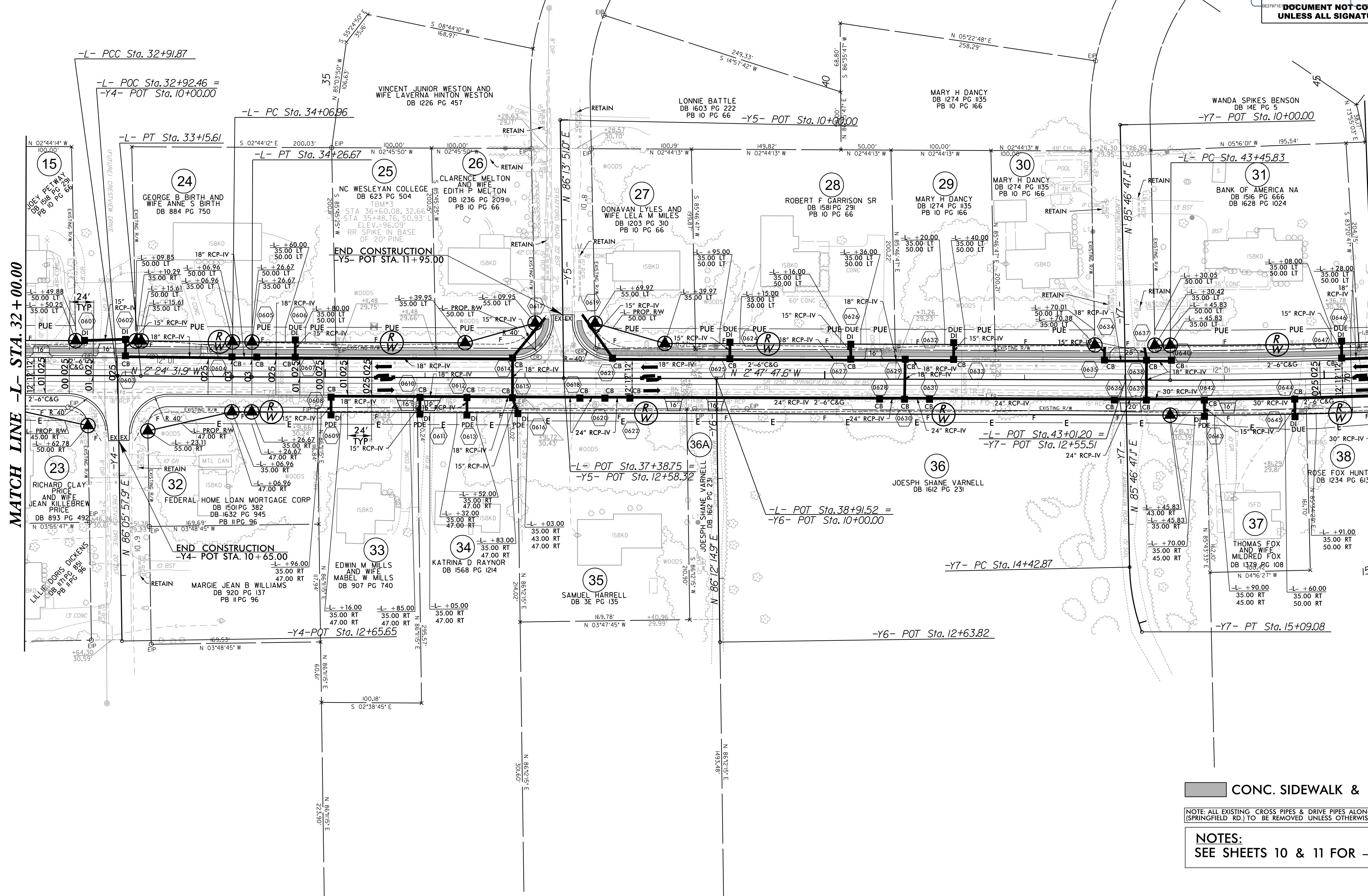
PROJECT REFERENCE NO. U-4762	SHEET NO. 6
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER 6/1/2017	6/1/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-		-Y7-	
PI Sta 30+88.71	PI Sta 33+03.74	PI Sta 34+16.81	PI Sta 45+68.22
$\Delta = 0' 04' 31.6"$ (RT)	$\Delta = 0' 23' 18.9"$ (RT)	$\Delta = 0' 23' 15.8"$ (LT)	$\Delta = 4' 44' 45.1"$ (LT)
$D = 0' 01' 06.8"$	$D = 1' 38' 13.3"$	$D = 1' 58' 00.6"$	$D = 1' 04' 03.5"$
$L = 406.33'$	$L = 23.74'$	$L = 19.71'$	$L = 444.52'$
$T = 203.16'$	$T = 11.87'$	$T = 9.86'$	$T = 222.39'$
$R = 308,571.21'$	$R = 3,500.00'$	$R = 2,913.09'$	$R = 5,366.57'$
SE = NC	SE = 0.02	SE = 0.03	SE = NC
	RO = 48'	RO = 72'	

NAD 83/NA 2011

MATCH LINE -L- STA. 32+00.00

MATCH LINE -L- STA. 45+50.00



CONC. SIDEWALK & ISLAND

NOTE: ALL EXISTING CROSS PIPES & DRIVE PIPES ALONG -L- (SPRINGFIELD RD.) TO BE REMOVED UNLESS OTHERWISE NOTED.

NOTES:
SEE SHEETS 10 & 11 FOR -L- PROFILE.

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8.17.7.99

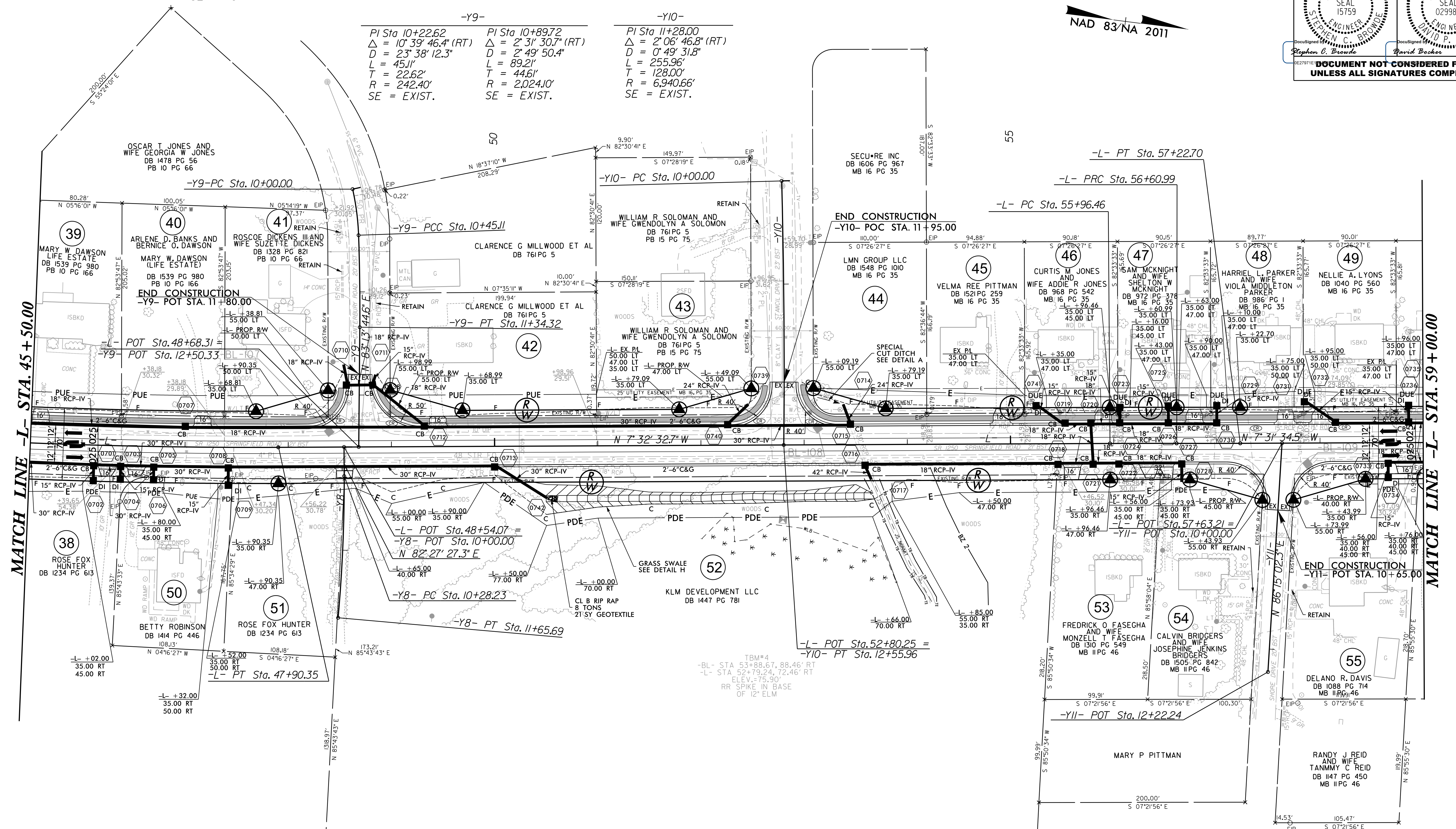


PROJECT REFERENCE NO.		SHEET NO.
U-4762		7
RW SHEET NO.		
ROADWAY DESIGN 6/1/2017 ENGINEER STEPHEN C. BROWDE	HYDRAULICS 5/1/2017 ENGINEER DAVID P. BOEKER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

-L-			-Y8-	
PI Sta 45+68.22	PI Sta 56+28.72	PI Sta 56+91.84	PI Sta 10+97.01	
$\Delta = 4' 44" 45.1" (LT)$	$\Delta = 0' 22' 11.0" (RT)$	$\Delta = 0' 21' 12.9" (LT)$	$\Delta = 5' 25' 46.2" (RT)$	
$D = 1' 04' 03.5"$	$D = 0' 34' 22.6"$	$D = 0' 34' 22.6"$	$D = 3' 56' 58.8"$	
$L = 444.52'$	$L = 64.53'$	$L = 61.71'$	$L = 137.47'$	
$T = 222.39'$	$T = 32.26'$	$T = 30.86'$	$T = 68.79'$	
$R = 5,366.57'$	$R = 10,000.00'$	$R = 10,000.00'$	$R = 1,450.65'$	
SE = NC	SE = NC	SE = NC	SE = EXIST.	

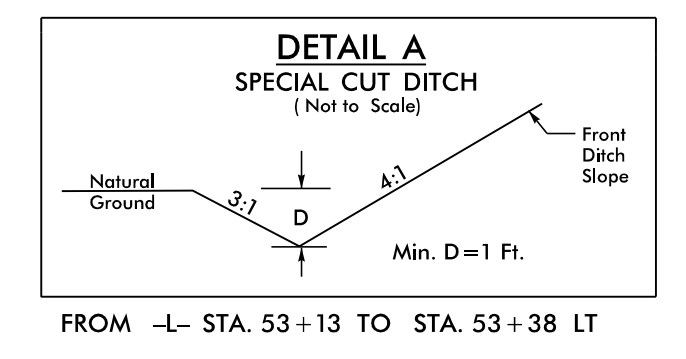
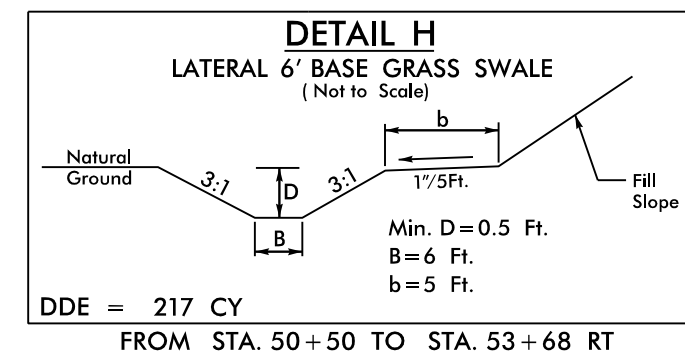
-Y9-		-Y10-	
PI Sta 10+22.62	PI Sta 10+89.72	PI Sta 11+28.00	
$\Delta = 10' 39' 46.4" (RT)$	$\Delta = 2' 31' 30.7" (RT)$	$\Delta = 2' 06' 46.8" (RT)$	
$D = 23' 38' 12.3"$	$D = 2' 49' 50.4"$	$D = 0' 49' 31.8"$	
$L = 45.11'$	$L = 89.21'$	$L = 255.96'$	
$T = 22.62'$	$T = 44.61'$	$T = 128.00'$	
$R = 242.40'$	$R = 2,024.10'$	$R = 6,940.66'$	
SE = EXIST.	SE = EXIST.	SE = EXIST.	

NAD 83/NA 2011



MATCH LINE -L- STA. 45+50.00

MATCH LINE -L- STA. 59+00.00

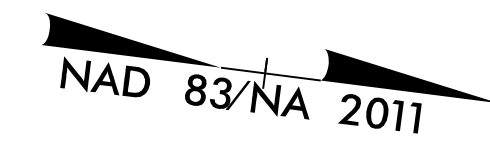


CONC. SIDEWALK & ISLAND

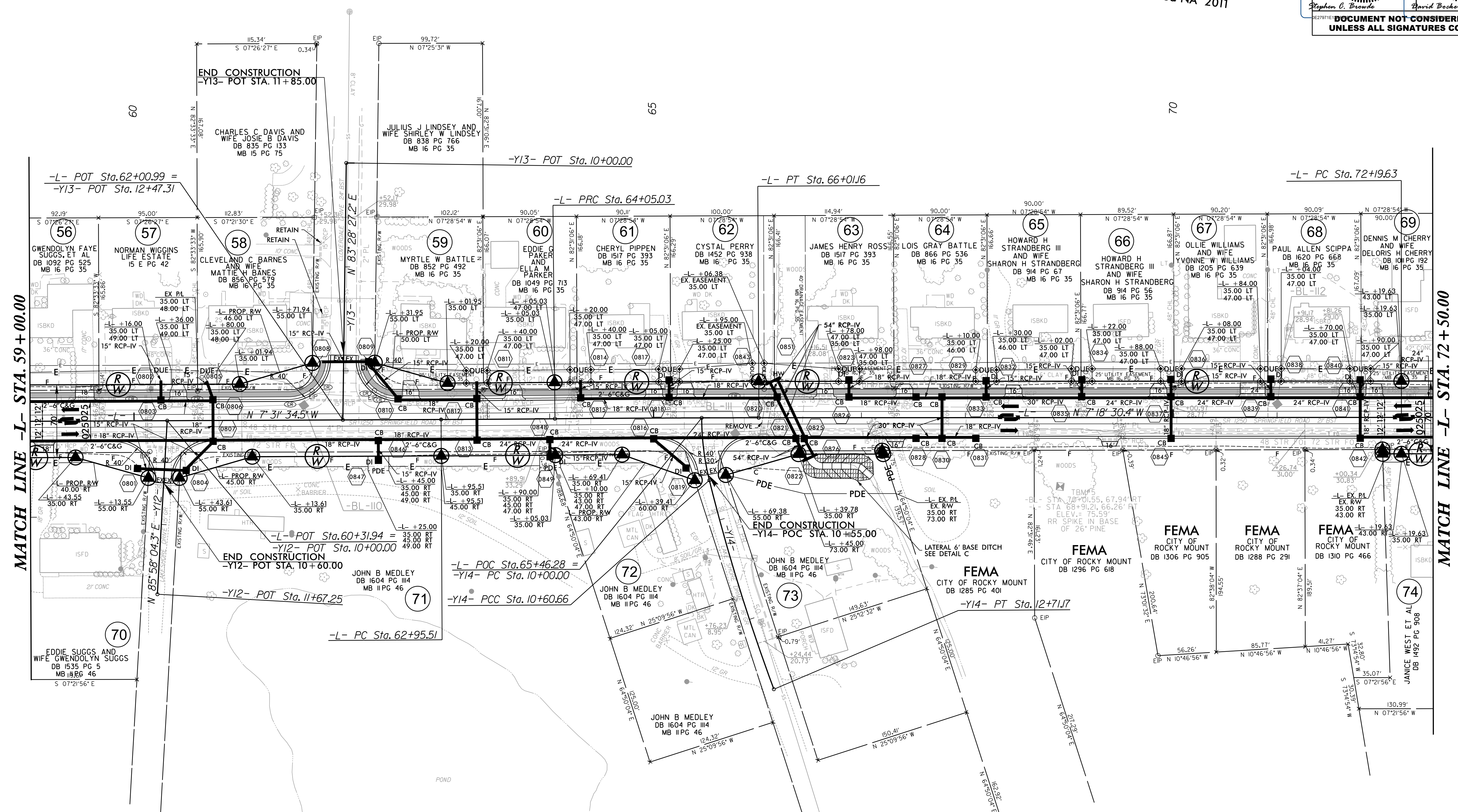
NOTE: ALL EXISTING CROSS PIPES & DRIVE PIPES ALONG -L- (SPRINGFIELD RD.) TO BE REMOVED UNLESS OTHERWISE NOTED.

NOTES:
SEE SHEET 11 FOR -L- PROFILE.

E:\22\2017\2017-06-01\20170601_09\CLIENT\Roadway\Proj\U-4762_rdy.psh.07.dgn

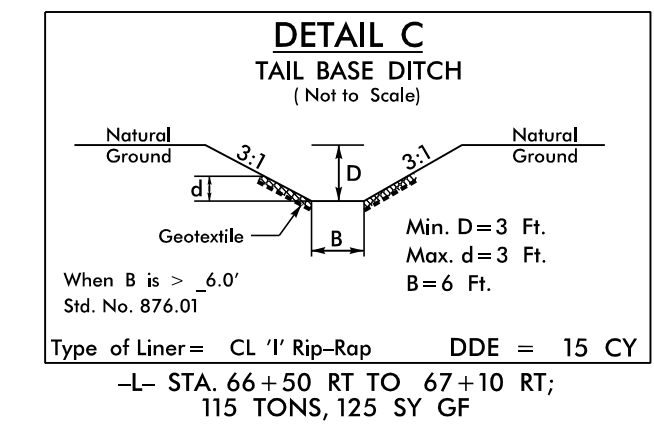


-L-			-Y14-	
PI Sta 63+50.27	PI Sta 65+03.10	PI Sta 72+57.89	PI Sta 10+30.48	PI Sta 11+66.02
$\Delta = 0' 16' 31.6''$ (LT)	$\Delta = 0' 29' 35.8''$ (RT)	$\Delta = 0' 06' 34.6''$ (LT)	$\Delta = 13' 54' 05.2''$ (LT)	$\Delta = 6' 27' 06.9''$ (LT)
$D = 0' 15' 05.4''$	$D = 0' 15' 05.4''$	$D = 0' 08' 35.7''$	$D = 22' 55' 05.9''$	$D = 3' 03' 53.6''$
$L = 109.52'$	$L = 196.13'$	$L = 76.51'$	$L = 60.66'$	$L = 210.51'$
$T = 54.76'$	$T = 98.06'$	$T = 38.26'$	$T = 30.48'$	$T = 105.37'$
$R = 22,780.85'$	$R = 22,780.85'$	$R = 40,000.00'$	$R = 250.00'$	$R = 1,869.43'$
SE = NC	SE = NC	SE = NC	SE = EXIST.	SE = EXIST.



MATCH LINE -L- STA. 59 + 00.00

MATCH LINE -L- STA. 74 + 50.00



CONC. SIDEWALK & ISLAND

NOTE: ALL EXISTING CROSS PIPES & DRIVE PIPES ALONG -L- (SPRINGFIELD RD.) TO BE REMOVED UNLESS OTHERWISE NOTED.

NOTES:
SEE SHEETS 11 & 12 FOR -L- PROFILE.

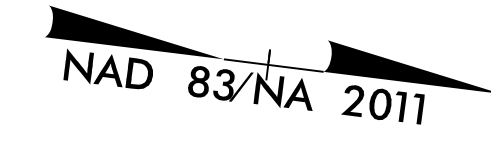
8.17.17.99



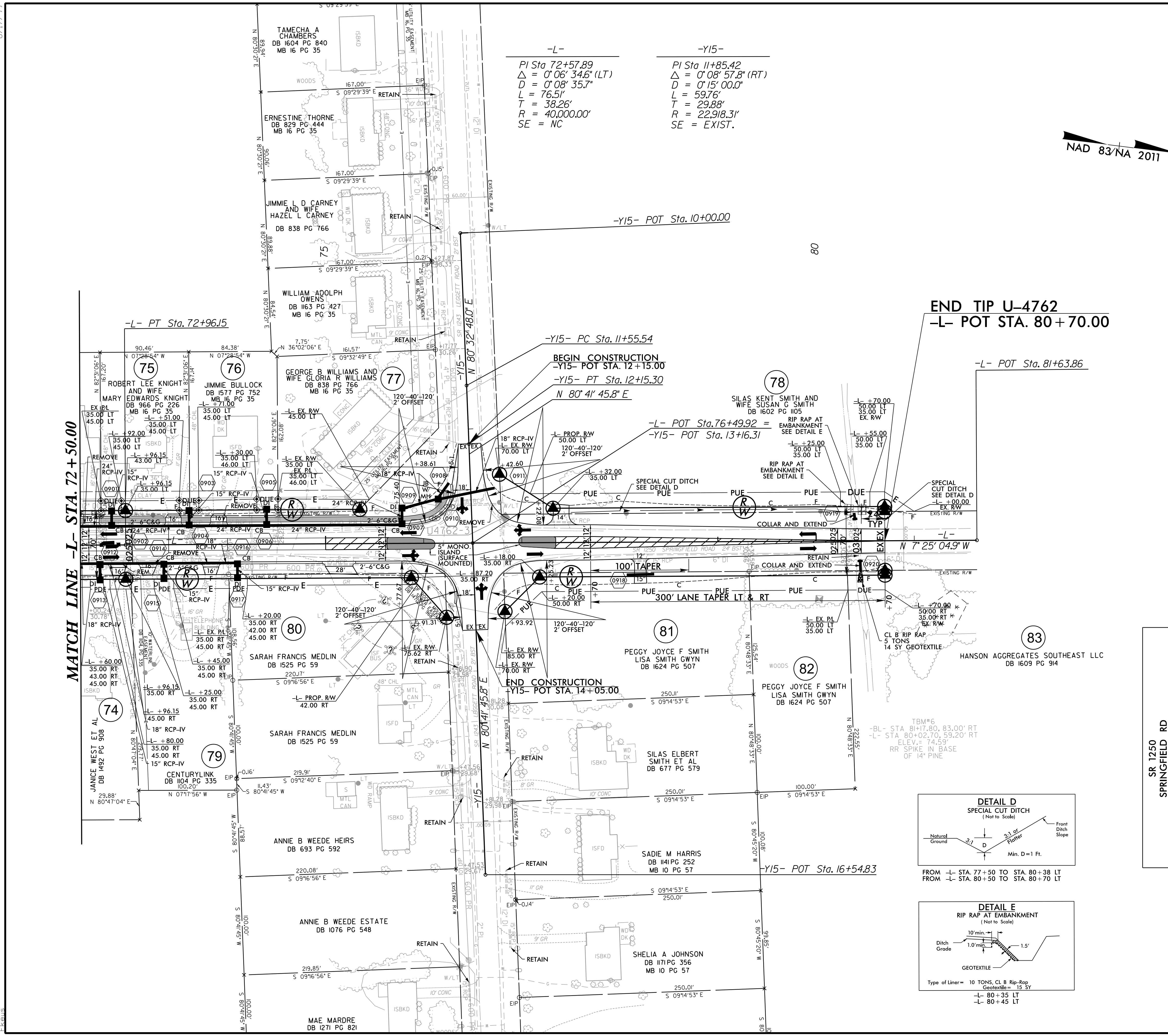
PROJECT REFERENCE NO. U-4762	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 6/1/2017	HYDRAULICS ENGINEER 6/1/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-
 PI Sta 72+57.89
 $\Delta = 0^{\circ}06'34.6"$ (LT)
 $D = 0^{\circ}08'35.7"$
 $L = 76.5'$
 $T = 38.26'$
 $R = 40,000.00'$
 SE = NC

-Y15-
 PI Sta 11+85.42
 $\Delta = 0^{\circ}08'57.8"$ (RT)
 $D = 0^{\circ}15'00.0"$
 $L = 59.76'$
 $T = 29.88'$
 $R = 22,918.31'$
 SE = EXIST.



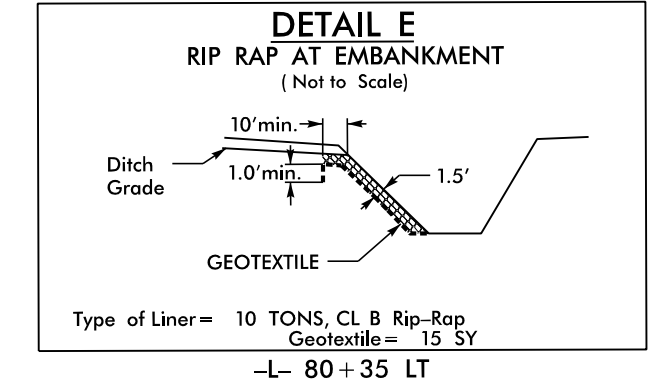
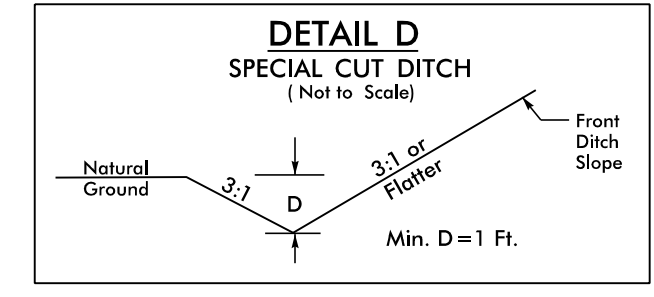
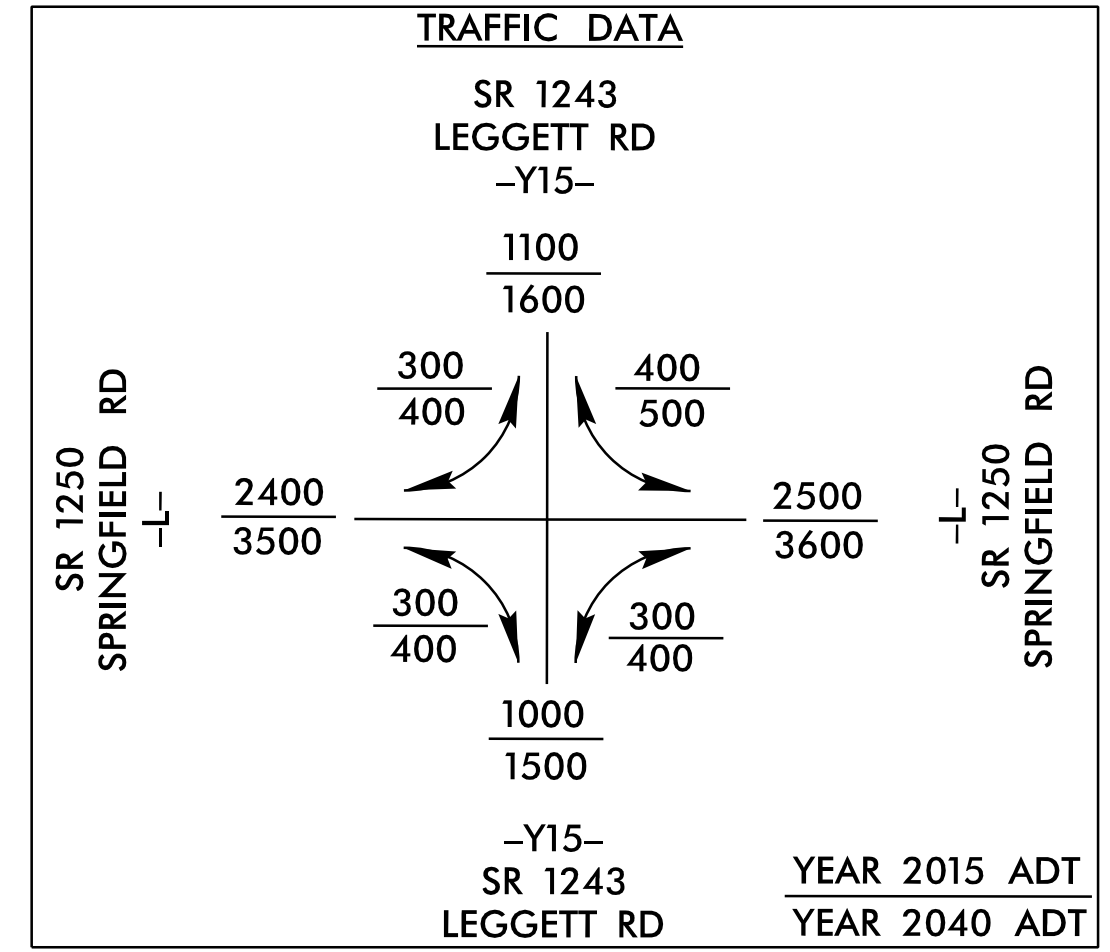
MATCH LINE -L- STA. 72+50.00



END TIP U-4762
-L- POT STA. 80+70.00

-L- POT Sta. 81+63.86

END CONSTRUCTION
-Y15- POT STA. 14+05.00



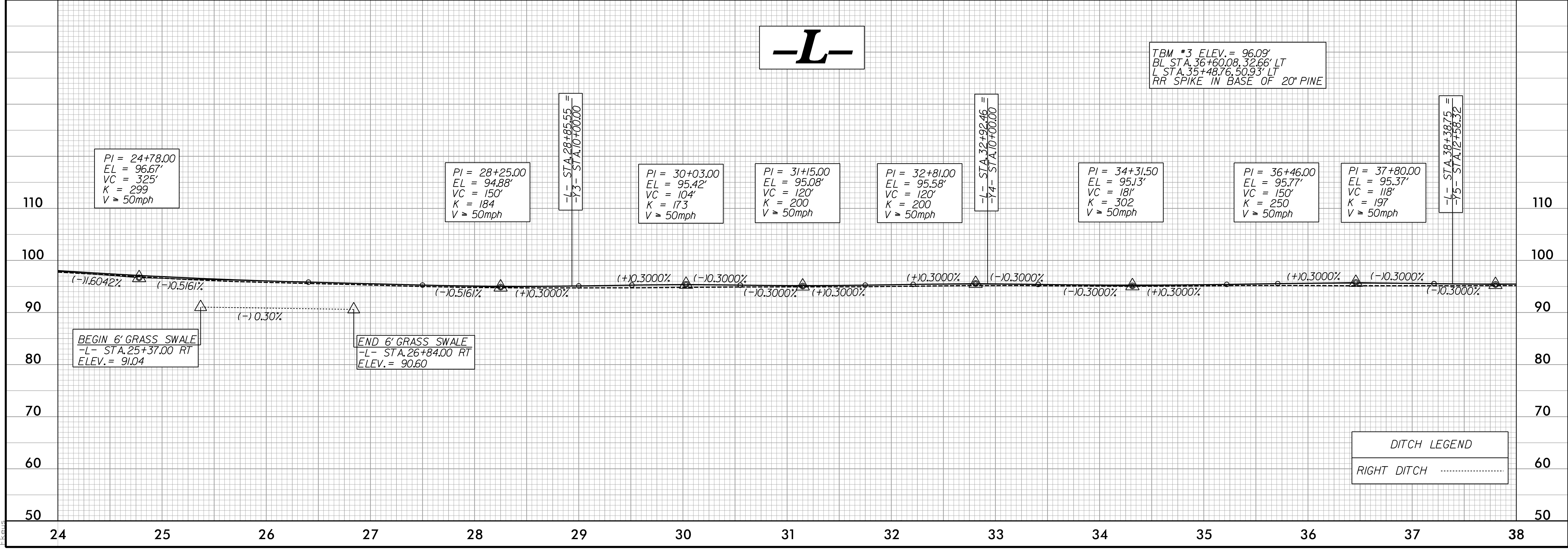
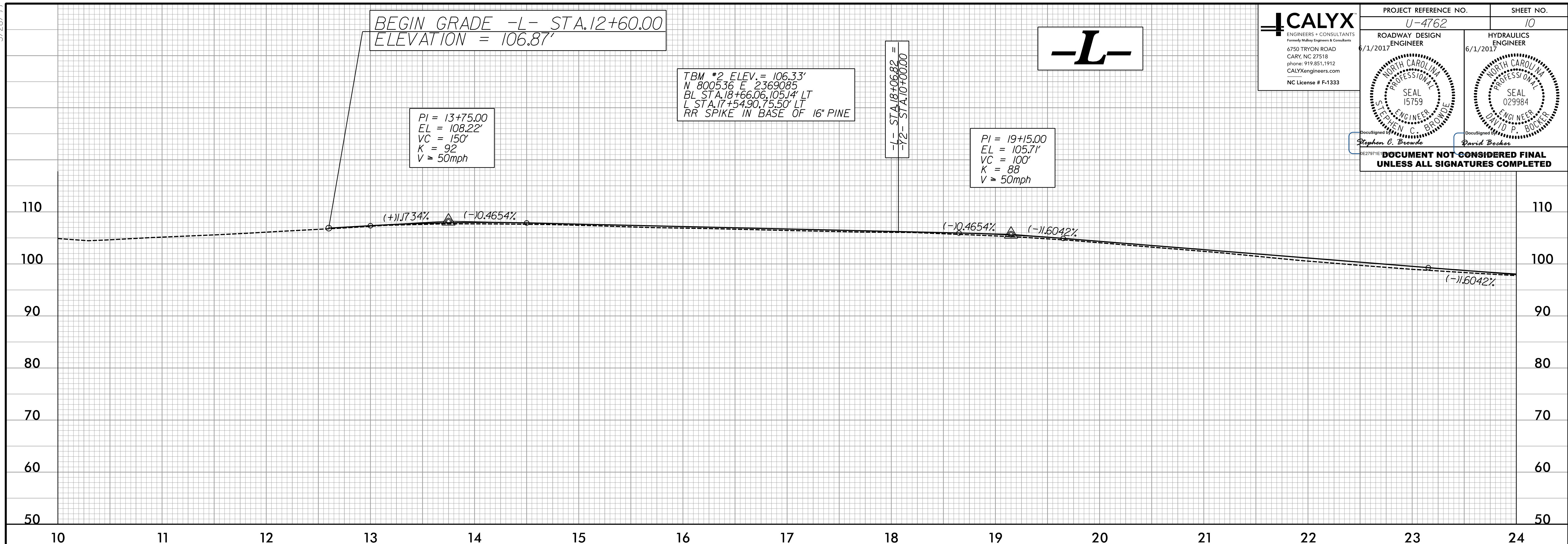
- CONC. SIDEWALK & ISLAND
 - PAINT STRIPING
- NOTES:**
SEE SHEET 12 FOR -L- PROFILE.

F:\22\2017\5-22-17\c-j\sec 4\2013\20130518\09\CLIENT\Roadway\Pro\U-4762_rdlr_psh_09.dgn

5/28/99

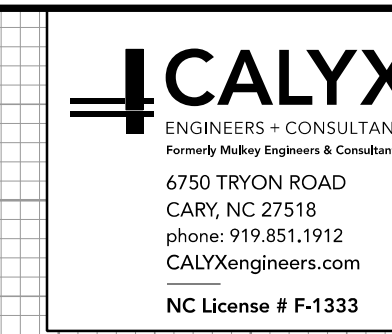


PROJECT REFERENCE NO. U-4762	SHEET NO. 10
ROADWAY DESIGN ENGINEER 6/1/2017	HYDRAULICS ENGINEER 6/1/2017
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	



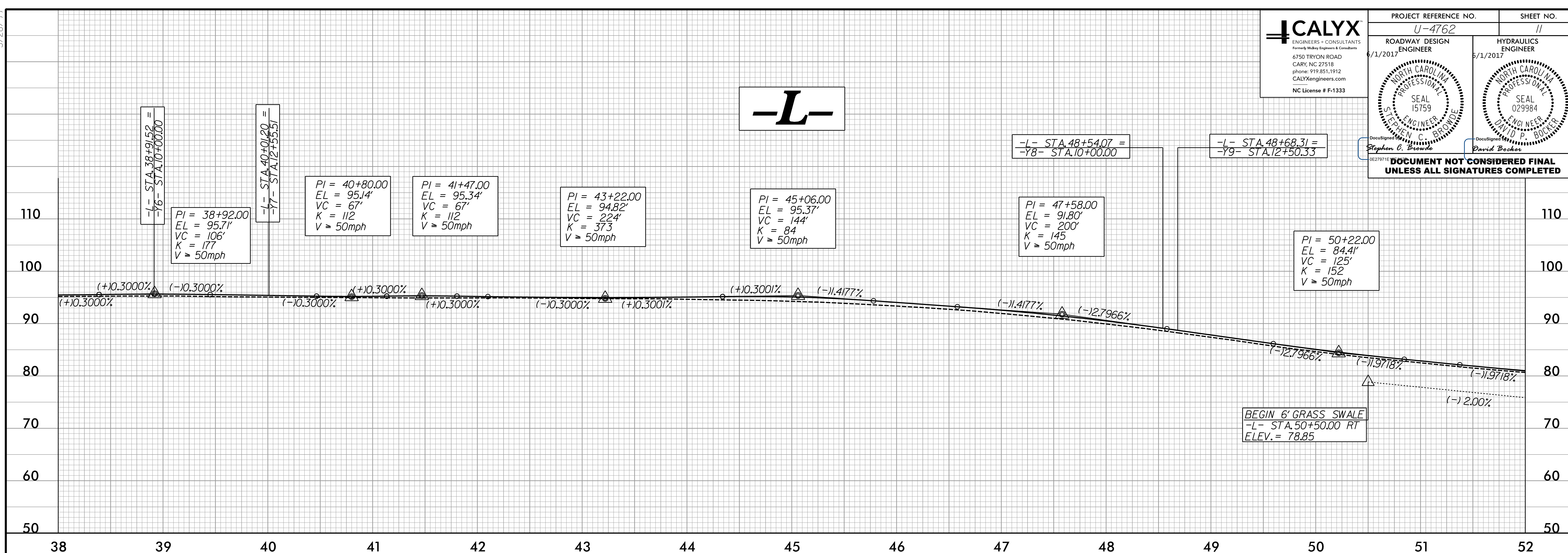
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5/28/2017

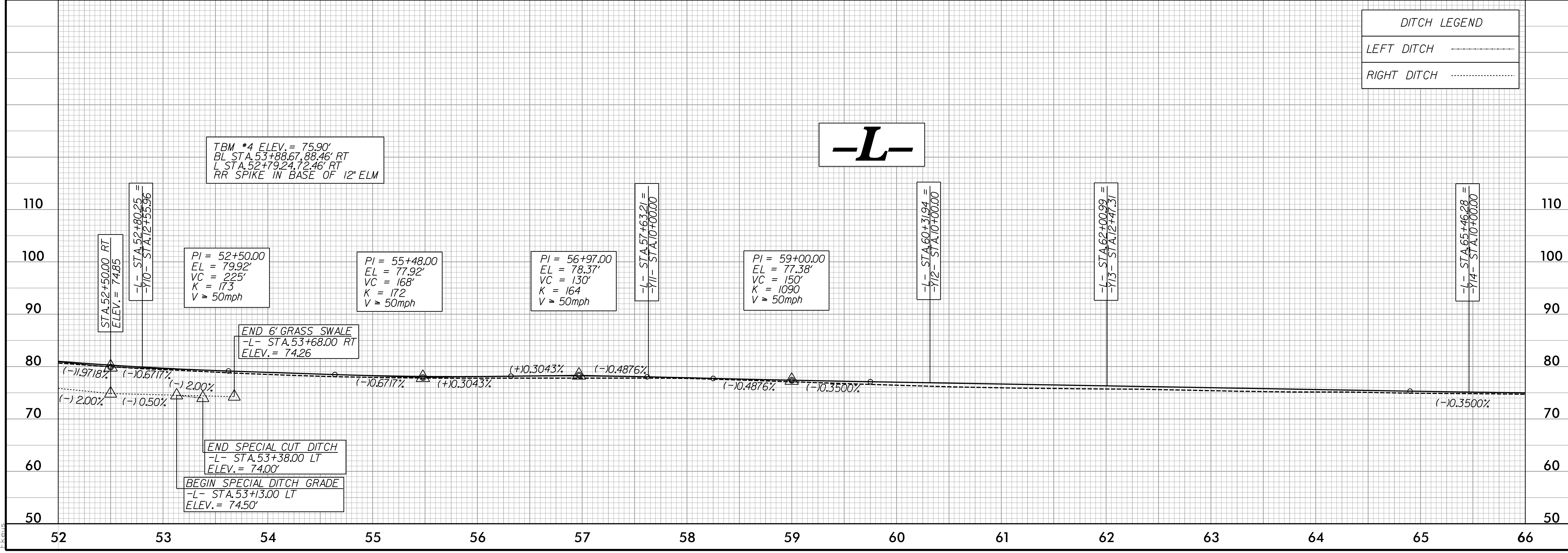


PROJECT REFERENCE NO. U-4762	SHEET NO. 11
ROADWAY DESIGN ENGINEER 6/1/2017 STEPHEN C. BROWDE SEAL 15759 NORTH CAROLINA PROFESSIONAL ENGINEER	HYDRAULICS ENGINEER 6/1/2017 DAVID P. BOEKER SEAL 029984 NORTH CAROLINA PROFESSIONAL ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DITCH LEGEND	
LEFT DITCH	-----
RIGHT DITCH	-----

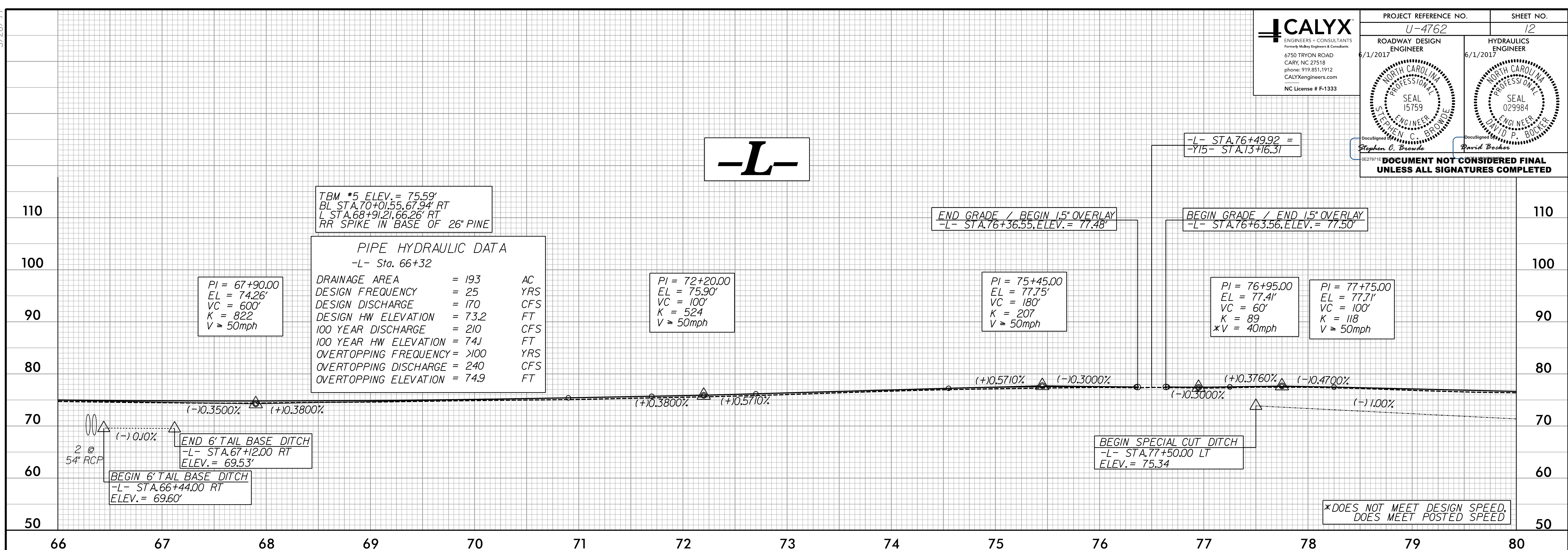


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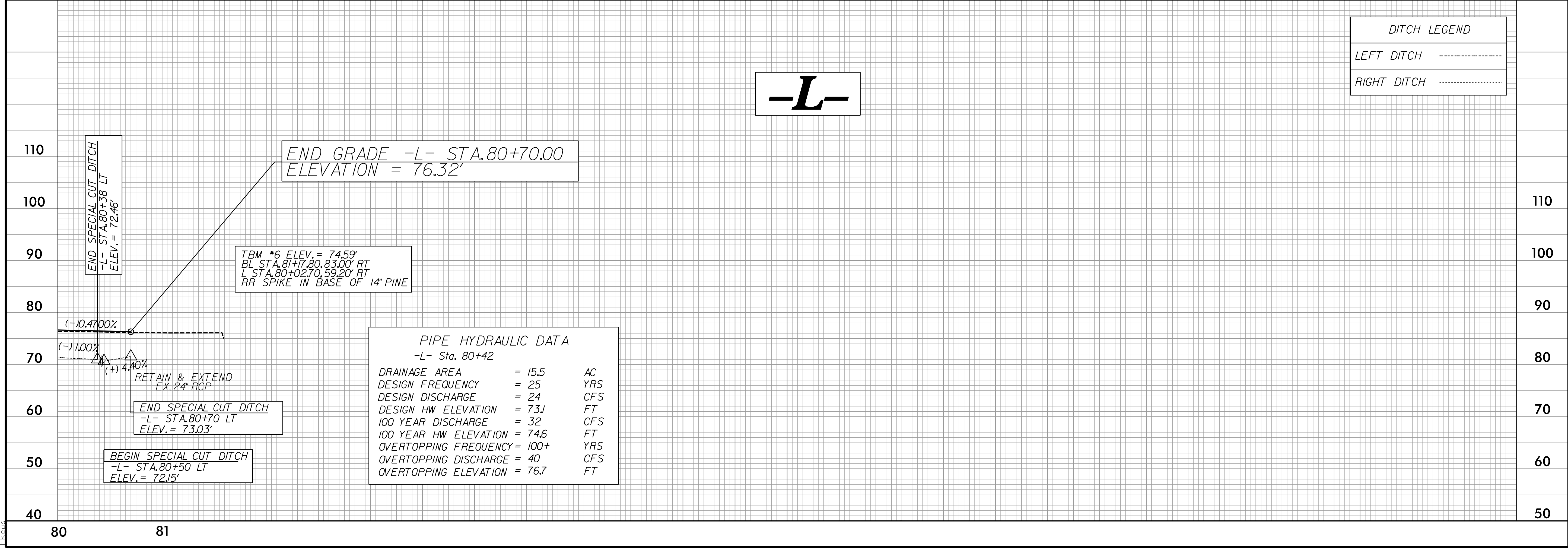
5/28/2017



PROJECT REFERENCE NO. U-4762	SHEET NO. 12
ROADWAY DESIGN ENGINEER 6/1/2017	HYDRAULICS ENGINEER 6/1/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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DITCH LEGEND

LEFT DITCH	-----
RIGHT DITCH	-----