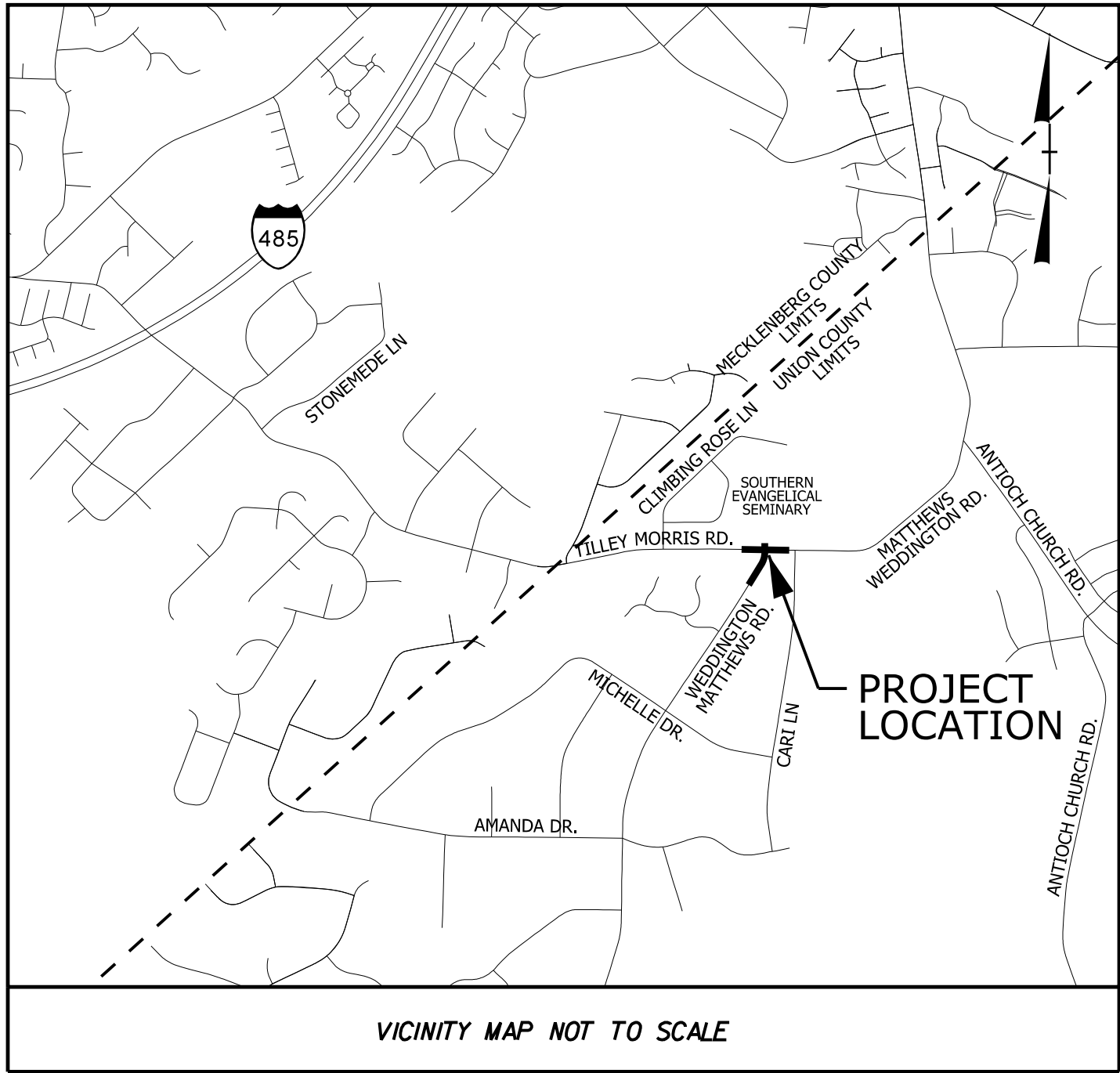


CONTRACT: TIP PROJECT: U-6090

See Sheet 1B For Conventional Symbols

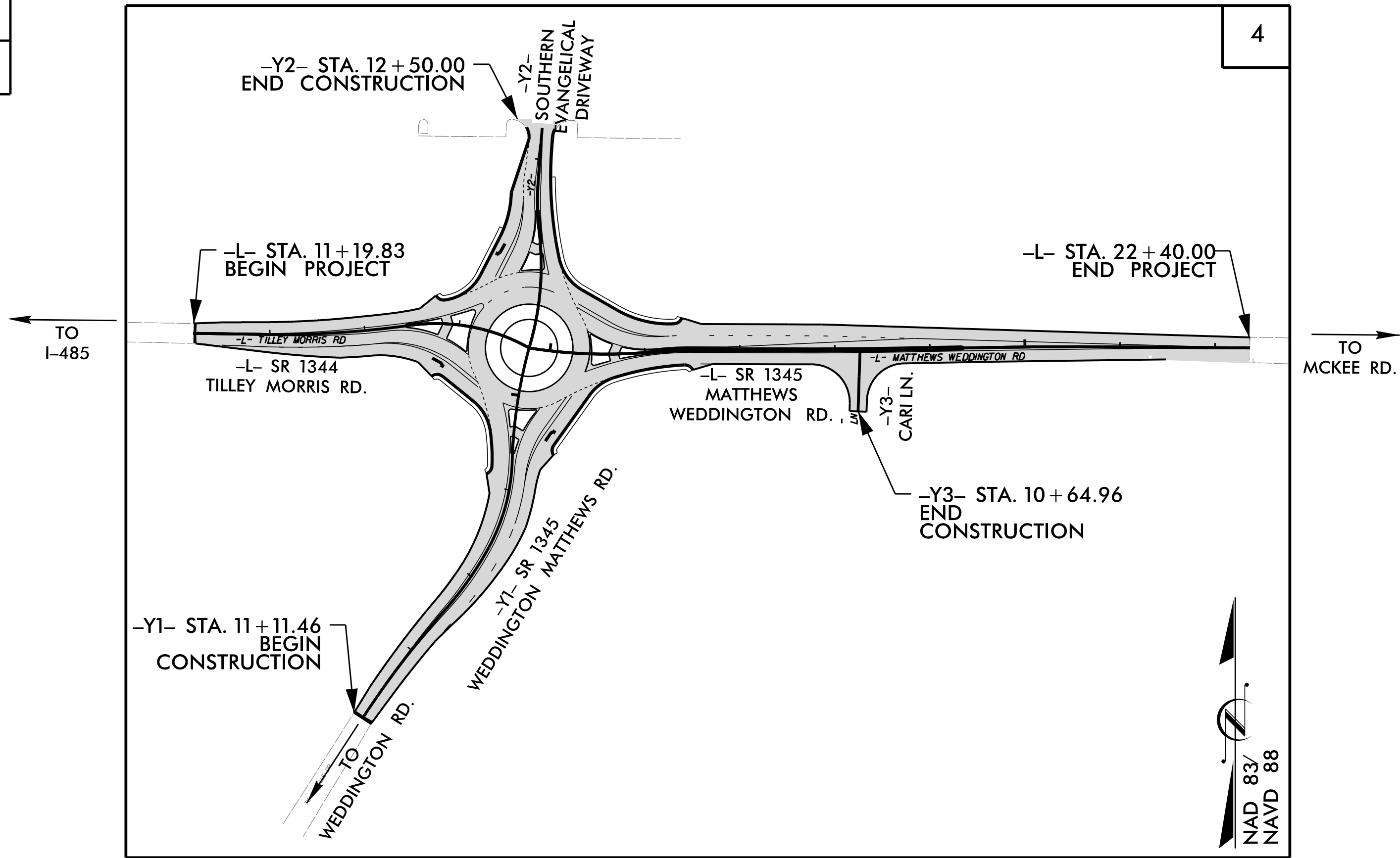


RW PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
UNION COUNTY

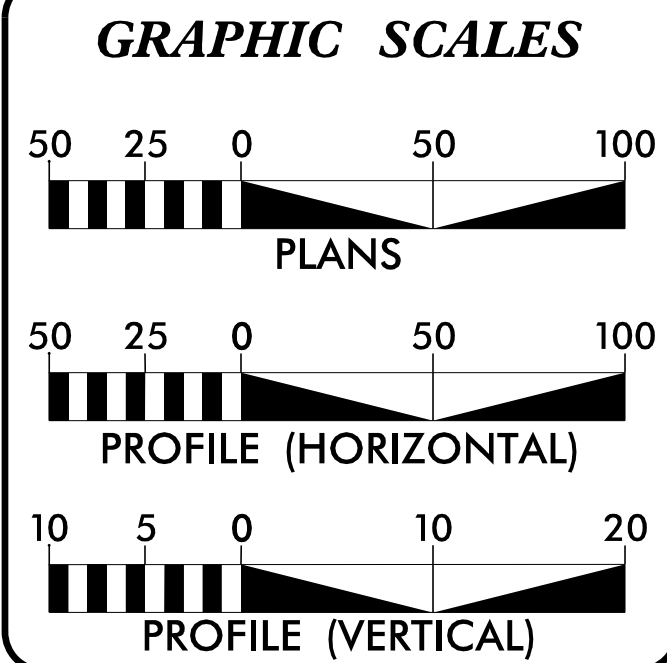
LOCATION: INTERSECTION OF TILLEY MORRIS RD. (SR-1345) AND WEDDINGTON MATTHEWS RD. (SR-1344)

TYPE OF WORK: GRADING, PAVEMENT REMOVAL, DRAINAGE, PAVING, CONCRETE ISLANDS, & THERMOPLASTIC PAVEMENT MARKINGS



CLEARING ON THIS PROJECT SHALL BE PERFORMED BY THE LIMITS ESTABLISHED BY METHOD 3

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF UNION COUNTY

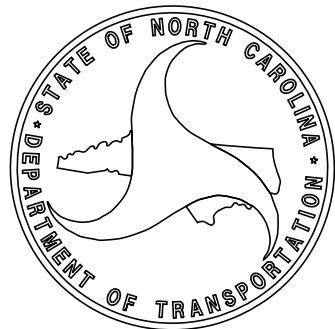


DESIGN DATA			
ADT 2016	=	12,000	VPD
ADT 2040	=	N/A	
K	=	N/A	
D	=	N/A	
T	=	N/A	
V	=	45	MPH
FUNCTIONAL CLASSIFICATION: MINOR COLLECTOR			
* N/A TTST N/A DUAL SUB REGIONAL TIER			

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT U-6090	= 0.211 MILES
TOTAL LENGTH TIP PROJECT U-6090	= 0.211 MILES

PLANS PREPARED FOR THE NCDOT BY:		Kimley»Horn NC LICENSE #F-0102 200 SOUTH TRYON STREET, SUITE 200 CHARLOTTE, NORTH CAROLINA 28202 PHONE: (704) 333-5131
2018 STANDARD SPECIFICATIONS		
RIGHT OF WAY DATE:	03/21/2019	FRANK D. MASTERSON, P.E. PROJECT ENGINEER
LETTING DATE:	09/2019	BEN J. VONDENBRINK PROJECT DESIGN ENGINEER
		RANDY BOWERS NCDOT CONTACT

HYDRAULICS ENGINEER	
SIGNATURE:	P.E.
ROADWAY DESIGN ENGINEER	
SIGNATURE:	P.E.



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6090	1	36
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
47884.1.1	STBGDA-1005(168)	PE	
47884.2.1	STBGDA-1005(168)	R/W & UTIL	
47884.3.1	STBGDA-1005(168)	CONST.	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

PROJECT REFERENCE NO.	SHEET NO.
U-6090	1B
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	----- X
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	☠ ☠
Potential Contamination Area: Soil	☠ ☠
Known Contamination Area: Water	☠ ☠
Potential Contamination Area: Water	☠ ☠
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	✎
Proposed Lateral, Tail, Head Ditch	-----
False Sump	◇

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	CSX TRANSPORTATION MILEPOST 35
Switch	SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite RW Marker	-----
Proposed Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	--- E ---
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 ---
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

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	XXXX

VEGETATION:

Single Tree	☼
Single Shrub	☼
Hedge	~~~~~
Woods Line	~~~~~

Orchard	☼ ☼ ☼ ☼
Vineyard	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.*)	--- P ---
U/G Power Line LOS C (S.U.E.*)	--- P ---
U/G Power Line LOS D (S.U.E.*)	--- P ---

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.*)	--- T ---
U/G Telephone Cable LOS C (S.U.E.*)	--- T ---
U/G Telephone Cable LOS D (S.U.E.*)	--- T ---
U/G Telephone Conduit LOS B (S.U.E.*)	--- TC ---
U/G Telephone Conduit LOS C (S.U.E.*)	--- TC ---
U/G Telephone Conduit LOS D (S.U.E.*)	--- TC ---
U/G Fiber Optics Cable LOS B (S.U.E.*)	--- T FO ---
U/G Fiber Optics Cable LOS C (S.U.E.*)	--- T FO ---
U/G Fiber Optics Cable LOS D (S.U.E.*)	--- T FO ---

WATER:

Water Manhole	Ⓢ
Water Meter	○
Water Valve	⊗
Water Hydrant	☼
U/G Water Line LOS B (S.U.E.*)	--- W ---
U/G Water Line LOS C (S.U.E.*)	--- W ---
U/G Water Line LOS D (S.U.E.*)	--- W ---
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.*)	--- TV ---
U/G TV Cable LOS C (S.U.E.*)	--- TV ---
U/G TV Cable LOS D (S.U.E.*)	--- TV ---
U/G Fiber Optic Cable LOS B (S.U.E.*)	--- TV FO ---
U/G Fiber Optic Cable LOS C (S.U.E.*)	--- TV FO ---
U/G Fiber Optic Cable LOS D (S.U.E.*)	--- TV FO ---

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	--- G ---
U/G Gas Line LOS C (S.U.E.*)	--- G ---
U/G Gas Line LOS D (S.U.E.*)	--- G ---
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.*)	--- FSS ---
SS Forced Main Line LOS C (S.U.E.*)	--- FSS ---
SS Forced Main Line LOS D (S.U.E.*)	--- FSS ---

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	☐
Utility Located Object	○
Utility Traffic Signal Box	☐
Utility Unknown U/G Line LOS B (S.U.E.*)	--- TUTL ---
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.

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U6090-1"

WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 480044.2668(±) EASTING: 1481104.7118(±)
ELEVATION: 746.178(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U6090" FROM -L- STATION 11+19.83 TO -L- STATION 22+36.18

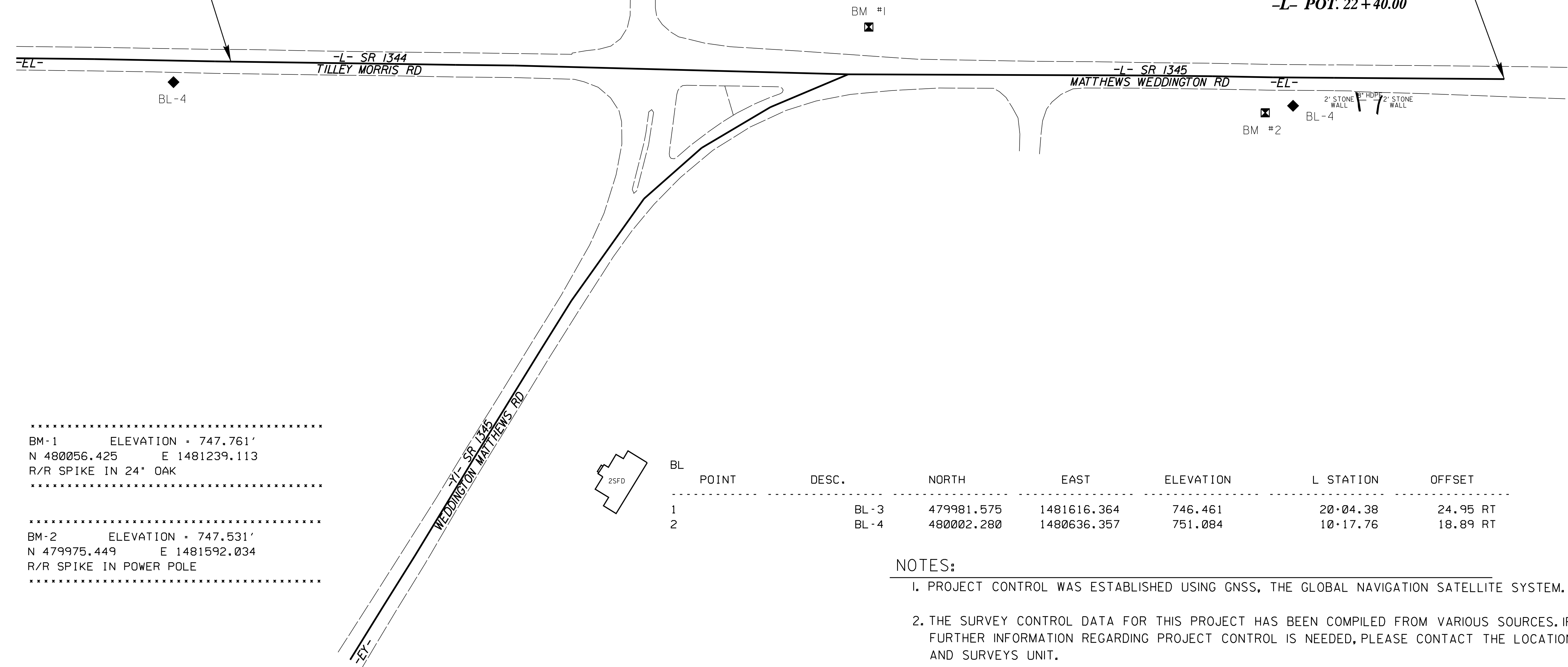
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

GEOID G09NC
50 SCALE



BEGIN PROJECT U-6090
-L- POT. 11+19.83

END PROJECT U-6090
-L- POT. 22+40.00



.....
BM-1 ELEVATION = 747.761'
N 480056.425 E 1481239.113
R/R SPIKE IN 24" OAK
.....

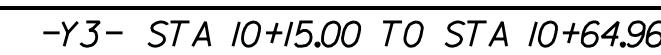
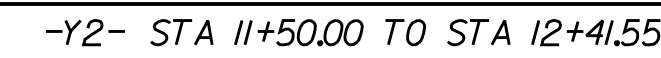
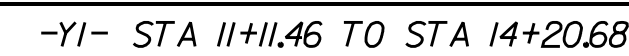
.....
BM-2 ELEVATION = 747.531'
N 479975.449 E 1481592.034
R/R SPIKE IN POWER POLE
.....

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1		BL - 3	479981.575	1481616.364	746.461	20+04.38	24.95 RT
2		BL - 4	480002.280	1480636.357	751.084	10+17.76	18.89 RT

- NOTES:
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

W	WEDGING
----------	----------------

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED



REVISIONS

11/13/2017

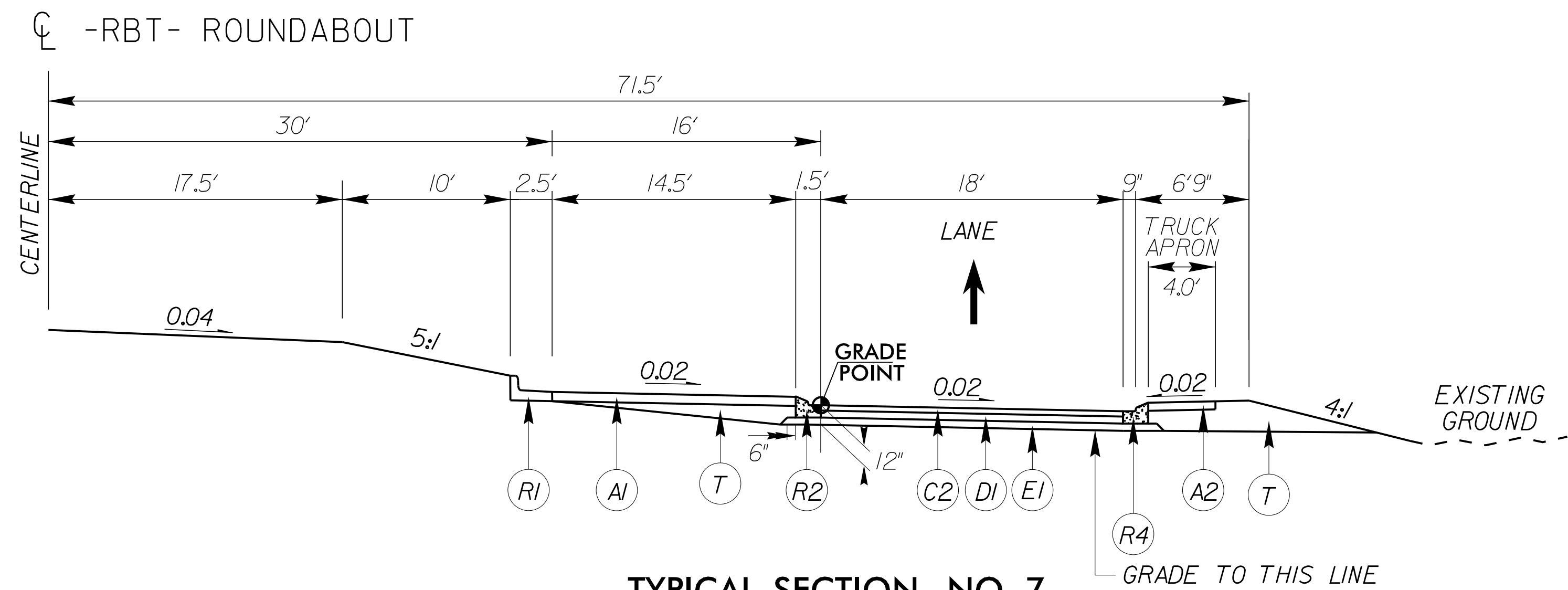
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

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

PAVEMENT SCHEDULE

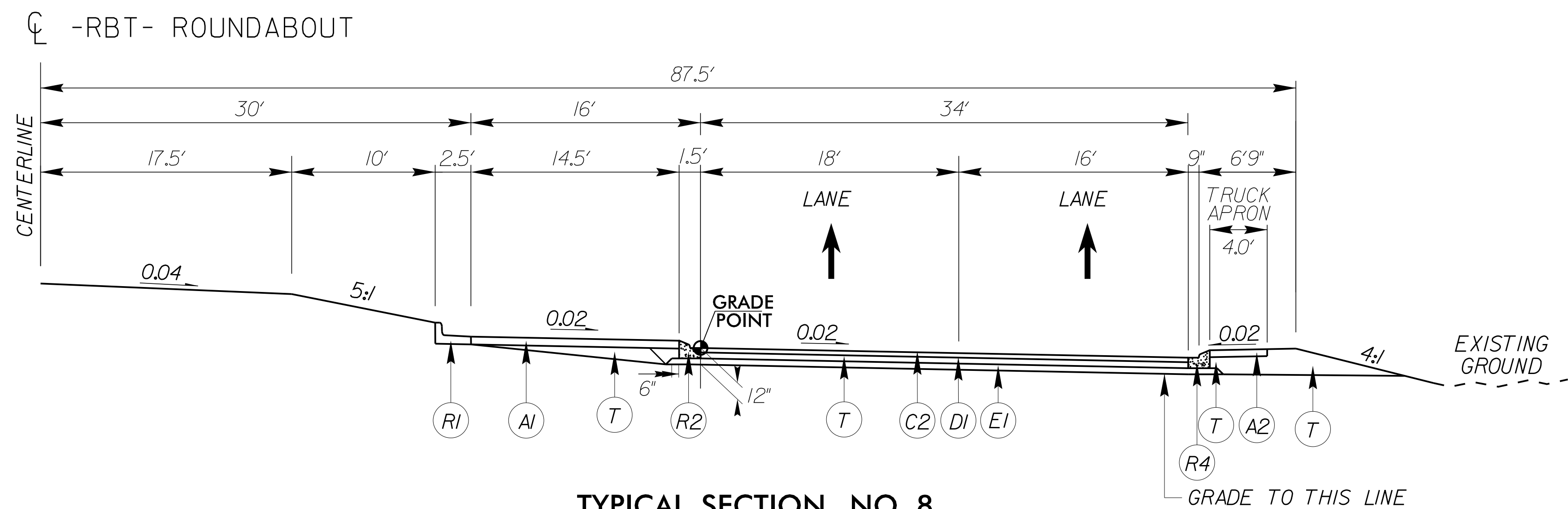
A1	7" CONCRETE TRUCK APRON,CLASS AA
A2	7" CONCRETE TRUCK APRON W/ BLACK TINT,CLASS AA
C1	1.5" S9.5C
C2	3.0" S9.5C
C3	VAR.DEPTH S9.5C
D1	4" I19.0C
D2	VAR.DEPTH I19.0C
E1	5.0" B25.0C
E2	VAR.DEPTH B25.0C
R1	2'-6" CONCRETE CURB & GUTTER
R2	1'-6" CONCRETE CURB & GUTTER,CLASS AA
R3	5' MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
R4	1'-6" CONCRETE CURB & GUTTER W/ BLACK TINT,CLASS AA
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	1.5" MILLING EXISTING PAVEMENT
W	WEDGING

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE INDICATED



TYPICAL SECTION NO. 7

-RBT- STA 10+52.20 TO STA 10+80.62
-RBT- STA 11+27.22 TO STA 11+57.42
-RBT- STA 12+56.29 TO STA 12+89.03



TYPICAL SECTION NO. 8

-RBT- STA 10+00.00 TO STA 10+52.20
-RBT- STA 10+80.62 TO STA 11+27.22
-RBT- STA 11+57.42 TO STA 12+56.29

PAVEMENT REMOVAL DETAIL SHEET

Kimley»Horn
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200 S. TRYON ST. • CHARLOTTE, NC 28202

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.

U-6090

SHEET NO.

2B-1

R/W SHEET NO.

ROADWAY
ENGINEER

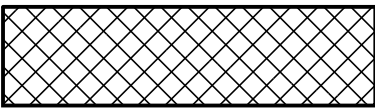
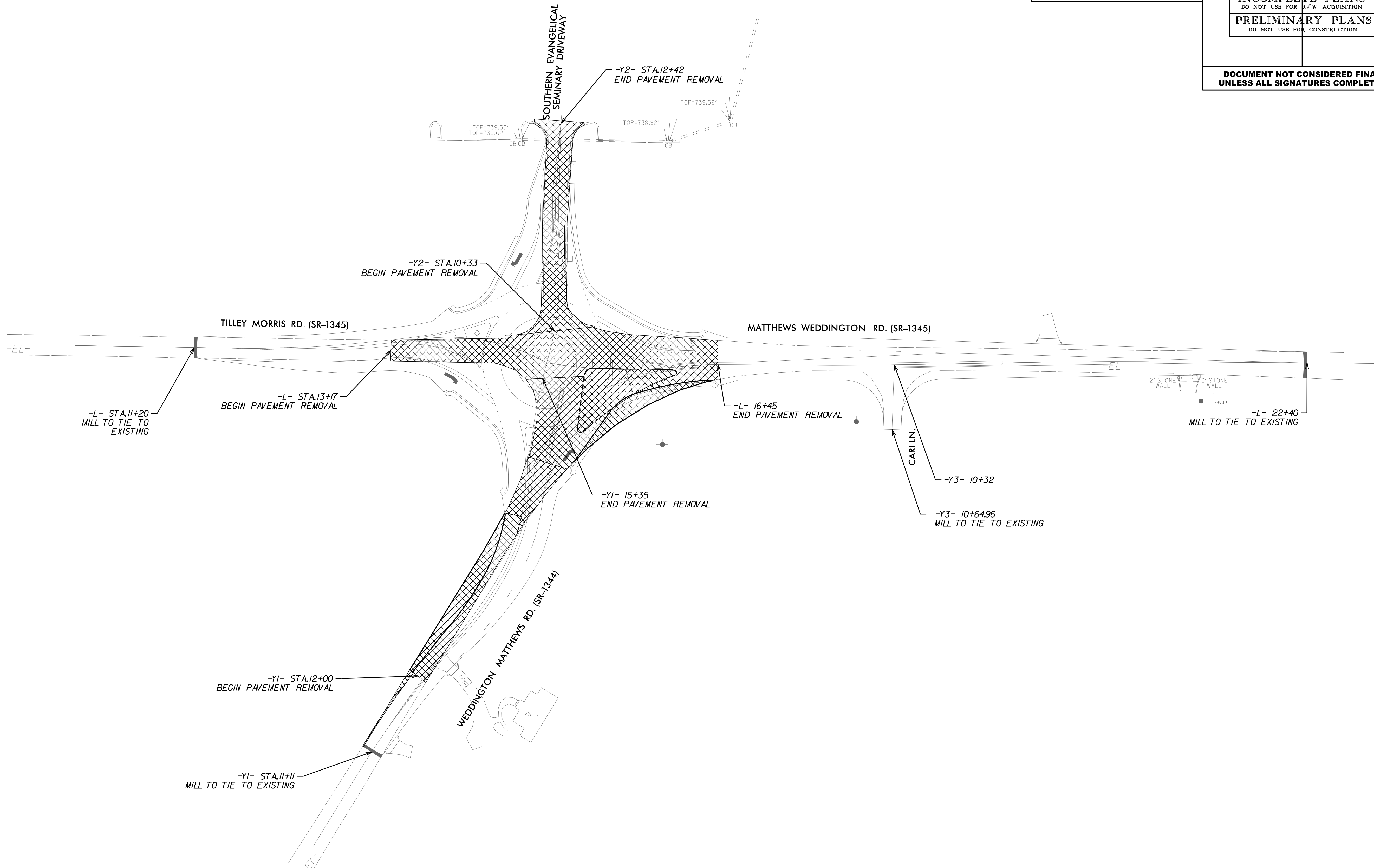
HYDRAULICS
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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

REVISIONS



PAVEMENT REMOVAL

11/13/2017

ROUNDAABOUT GEOMETRY SHEET

Kimley»Horn

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RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

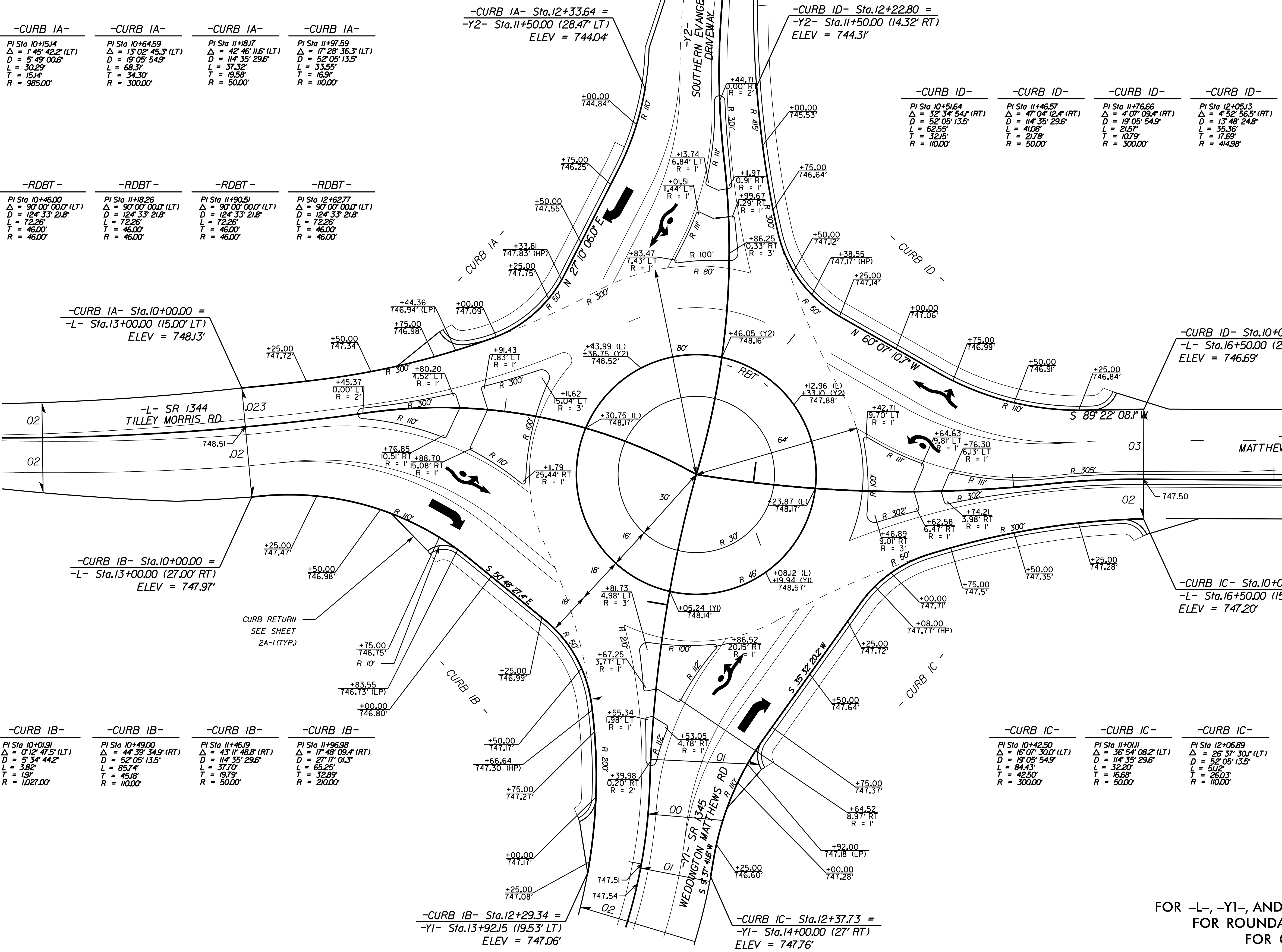
U-6090 2-C

R/W SHEET NO.

ROADWAY ENGINEER HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



-CURB IA-	-CURB IA-	-CURB IA-	-CURB IA-
PI Sta 10+51.4 Δ = 1° 45' 42.2" (LT) D = 5° 49' 00.6" L = 30.29' T = 15.14' R = 985.00'	PI Sta 10+64.59 Δ = 1° 02' 45.3" (LT) D = 19° 05' 54.9" L = 68.37' T = 34.30' R = 300.00'	PI Sta 11+18.17 Δ = 4° 46' 11.6" (LT) D = 11° 35' 29.6" L = 37.32' T = 19.58' R = 50.00'	PI Sta 11+97.59 Δ = 1° 28' 36.3" (LT) D = 52° 05' 13.5" L = 33.55' T = 16.91' R = 110.00'

-RDBT-	-RDBT-	-RDBT-	-RDBT-
PI Sta 10+46.00 Δ = 90° 00' 00.0" (LT) D = 124° 33' 21.8" L = 72.26' T = 46.00' R = 46.00'	PI Sta 11+18.26 Δ = 90° 00' 00.0" (LT) D = 124° 33' 21.8" L = 72.26' T = 46.00' R = 46.00'	PI Sta 11+90.51 Δ = 90° 00' 00.0" (LT) D = 124° 33' 21.8" L = 72.26' T = 46.00' R = 46.00'	PI Sta 12+62.77 Δ = 90° 00' 00.0" (LT) D = 124° 33' 21.8" L = 72.26' T = 46.00' R = 46.00'

-CURB IA- Sta.10+00.00 =
-L- Sta.13+00.00 (15.00' LT)
ELEV = 748.13'

-L- SR 1344
TILLEY MORRIS RD

-CURB IB- Sta.10+00.00 =
-L- Sta.13+00.00 (27.00' RT)
ELEV = 747.97'

-CURB IB-	-CURB IB-	-CURB IB-	-CURB IB-
PI Sta 10+01.91 Δ = 0° 12' 47.5" (RT) D = 5° 34' 44.2" L = 3.82' T = 1.39' R = 1027.00'	PI Sta 10+49.00 Δ = 44° 39' 34.9" (RT) D = 52° 05' 13.5" L = 85.74' T = 45.18' R = 110.00'	PI Sta 11+46.19 Δ = 4° 31' 48.8" (RT) D = 11° 35' 29.6" L = 37.70' T = 19.79' R = 50.00'	PI Sta 11+96.98 Δ = 1° 48' 09.4" (RT) D = 27° 17' 01.3" L = 65.25' T = 32.89' R = 210.00'

-CURB IB- Sta.12+29.34 =
-Y1- Sta.13+92.15 (19.53' LT)
ELEV = 747.06'

-CURB ID- Sta.12+22.80 =
-Y2- Sta.11+50.00 (14.32' RT)
ELEV = 744.31'

-CURB ID-	-CURB ID-	-CURB ID-	-CURB ID-
PI Sta 10+51.64 Δ = 32° 34' 54.1" (RT) D = 52° 05' 13.5" L = 62.55' T = 32.15' R = 110.00'	PI Sta 11+46.57 Δ = 47° 04' 12.4" (RT) D = 11° 35' 29.6" L = 41.08' T = 21.78' R = 50.00'	PI Sta 11+76.66 Δ = 4° 07' 09.4" (RT) D = 19° 05' 54.9" L = 21.57' T = 10.79' R = 300.00'	PI Sta 12+05.13 Δ = 4° 52' 56.5" (RT) D = 13° 48' 24.8" L = 35.36' T = 17.69' R = 414.98'

-CURB ID- Sta.10+00.00 =
-L- Sta.16+50.00 (26.86' LT)
ELEV = 746.69'

-CURB IC- Sta.10+00.00 =
-L- Sta.16+50.00 (15.12' RT)
ELEV = 747.20'

-CURB IC-	-CURB IC-	-CURB IC-
PI Sta 10+42.50 Δ = 16° 07' 30.0" (LT) D = 19° 05' 54.9" L = 84.43' T = 42.50' R = 300.00'	PI Sta 11+01.11 Δ = 36° 54' 08.2" (LT) D = 11° 35' 29.6" L = 32.20' T = 16.68' R = 50.00'	PI Sta 12+06.89 Δ = 26° 37' 30.1" (LT) D = 52° 05' 13.5" L = 51.22' T = 26.03' R = 110.00'

-CURB IC- Sta.12+37.73 =
-Y1- Sta.14+00.00 (27' RT)
ELEV = 747.76'

REVISIONS

11/13/2017

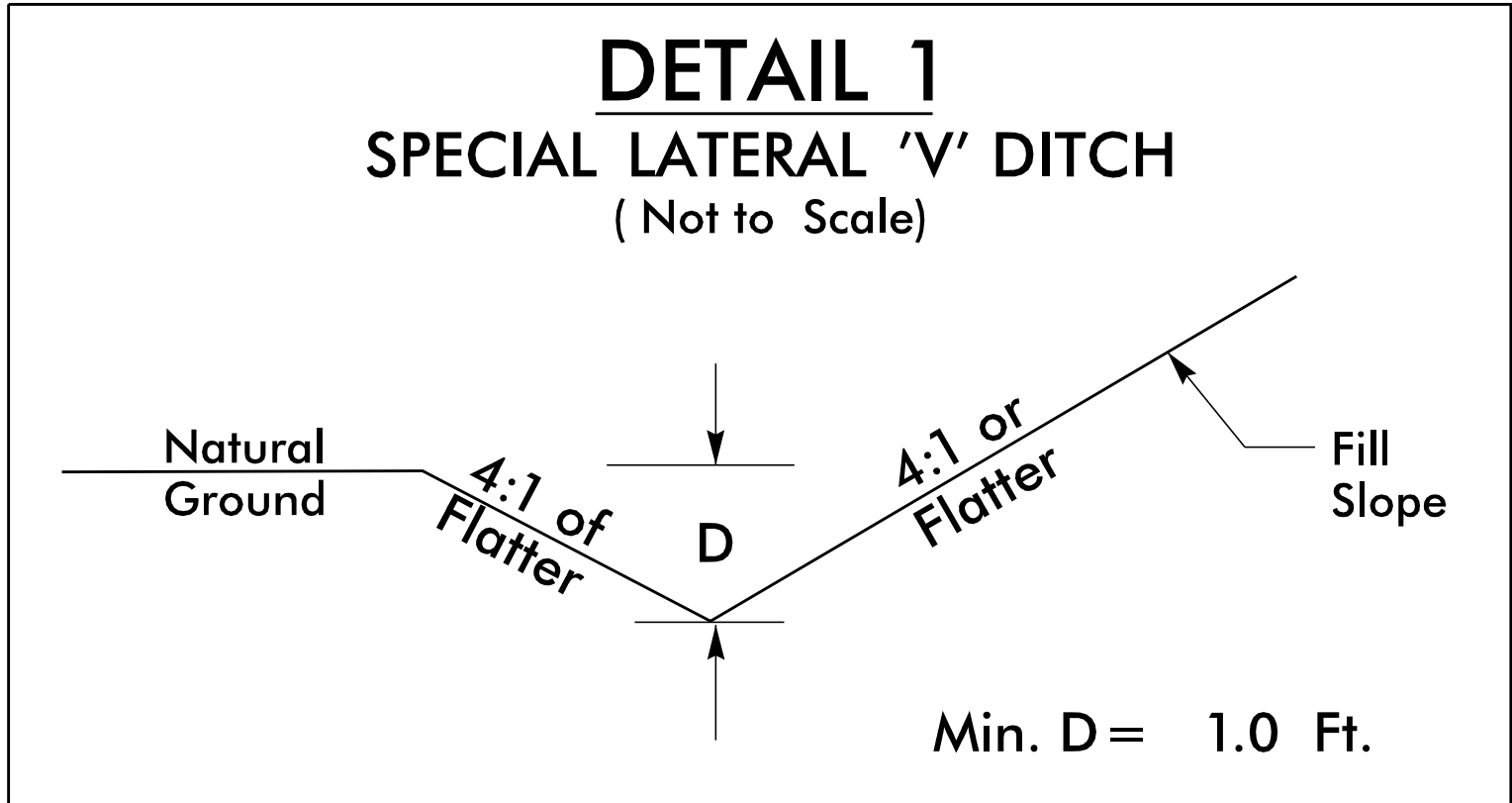
FOR -L-, -Y1-, AND -Y2- PROFILE, SEE SHEET 5
FOR ROUNDAABOUT PROFILE, SEE SHEET 6
FOR CURB PROFILES, SEE SHEET 6

5/14/99

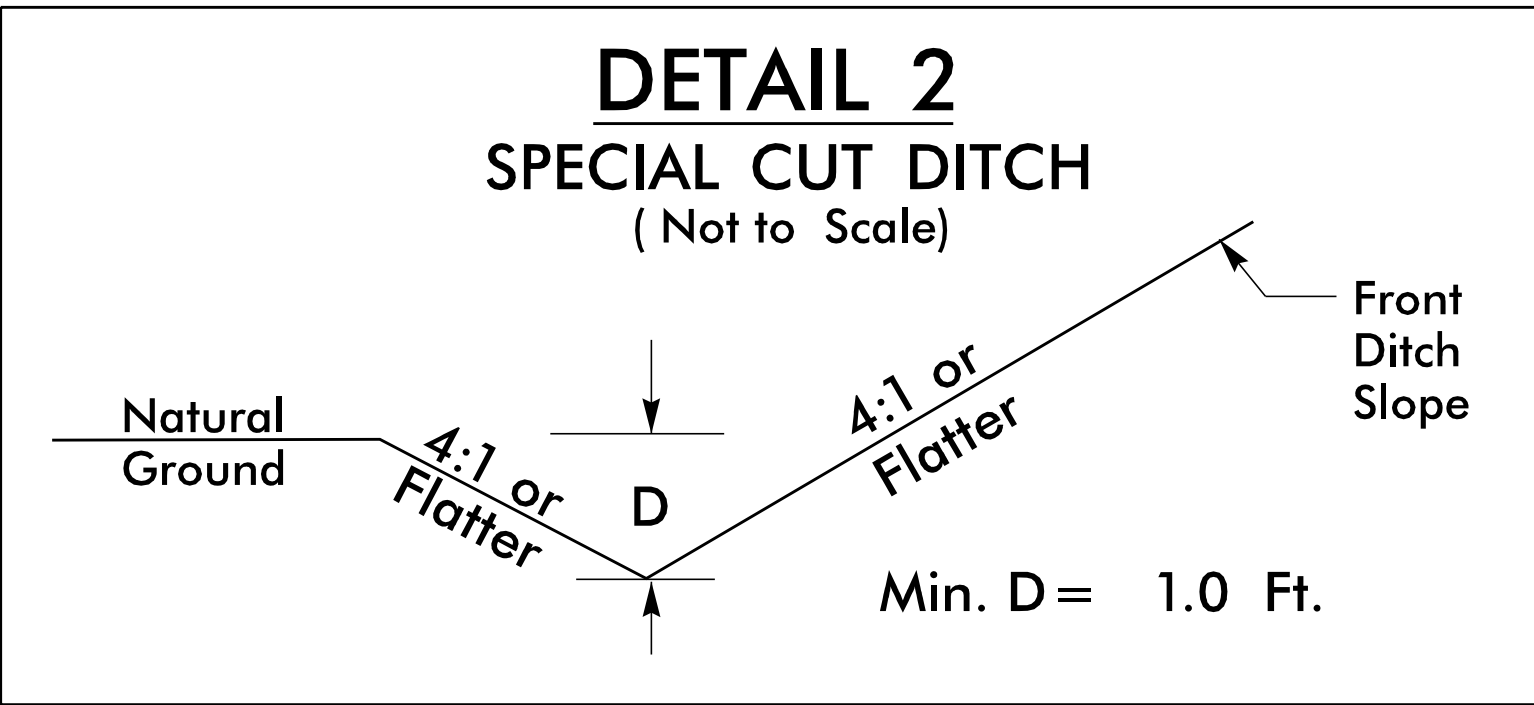
REVISIONS

REVISIONS

12/13/2008



FROM STA. 11+19.83 TO STA. 13+00.00 -L- (RT)
FROM STA. 16+50.00 TO STA. 16+75.00 -L- (RT)
FROM STA. 19+00.00 TO STA. 20+50.00 -L- (RT)
FROM STA. 11+12.92 TO STA. 11+90.00 -Y1- (LT)
FROM STA. 11+43.18 TO STA. 14+00.00 -Y1- (RT)
FROM STA. 10+47.87 TO STA. 11+90.00 -Y2- (LT)



FROM STA. 20+50.00 TO STA. 21+11.67 -L- (RT)
FROM STA. 12+00.00 TO STA. 14+00.00 -Y1- (LT)

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RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.

U-6090

SHEET NO.

2D-1

R/W SHEET NO.

ROADWAY
ENGINEER

HYDRAULICS
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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

REVISIONS	

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
L	11 + 19.83	14 + 28.00	LT/RT	69
L	14 + 28.00	16 + 50.00	CL	540
L	16 + 50.00	22 + 40.00	LT/RT	67
Y1	11 + 11.00	12 + 00.00	LT/RT	30
Y1	12 + 00.00	15 + 35.00	CL	1570
Y2	10 + 48.00	11 + 42.00	CL	290
Y2	10 + 42.00	12 + 42.00	LT/RT	22
Y3	10 + 32.00	10 + 64.96	LT/RT	7
TOTAL:				2595
SAY:				2600

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA 11+19.83 TO STA 22+36.18	1230	763	76	0	1154
-Y1- STA 11+11.46 TO STA 15+51.26	190	696	913	1419	696
-Y2- STA 10+00.00 TO STA 12+15.47	100	71	23	0	77
-Y3- STA 10+00.00 TO STA 10+64.95	31	40	31	40	40
-RDBT(L)- STA 13+50.00 TO STA 16+50.00	1	2043	1924	3966	2043
SUBTOTALS	1552	3613	2967	5028	4010
TOP SOIL 5%				252	
PROJECT TOTALS	1552	3613	2967	5280	
GRAND TOTALS	1552			5280	
SAY	1800			5800	

Kimley»Horn

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200 S. TRYON ST. • CHARLOTTE, NC 28202

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.

U-6090

SHEET NO.

3B-1

R/W SHEET NO.

ROADWAY ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

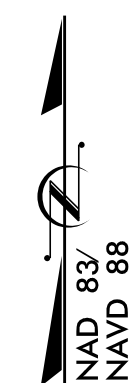
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT, AND BREAKING OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

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DO NOT USE FOR CONSTRUCTION

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⑥
PAUL E. & SUE M. PATTON
DB 1338 PG 281

⑤
JAMES STEWART & SUSAN
REICHENBACH
DB 1359 PG 787
PC A PG 156B

③
ALAN T. & CYNTHIA S.
YOUNTS
PC A PG 156B

JOE W. WAGNER
DB 3137 PG 200
PC A PG 156B

ROBERT J. & BRANDIA A.
FORD
DB 6866 PG 188
PC A PG 156B

MARILYN GENE & KENNETH R.
MOORE
DB 1120 PG 564
PC A PG 156B

-Y2-
PI Sta 10+61.62
Δ = 23° 12' 55.2" (LT)
D = 19° 05' 54.9"
L = 121.56'
T = 61.62'
R = 300.00'

-Y2-
PI Sta 11+50.18
Δ = 10° 47' 36.6" (RT)
D = 18° 54' 34.2"
L = 57.08'
T = 28.62'
R = 303.00'

ROBERT P. & BERNADETTE J. GUNST
DB 4475 PG 431
PC I FILE 91

SAMUEL J. CORNELIUS JR.
DB 6698 PG 189
PC I FILE 91

ROSE HILL HOMEOWNERS
ASSOCIATION INC.
DB 5008 PG 118
PC I FILE 91

①
STRATFORD HALL HOMEOWNERS
ASSOCIATION
DB 3873 PG 839
PC I FILE 758

BEGIN PROJECT
U-6090
-L- Sta. 11+19.83

-Y1-
PI Sta 11+70.71
Δ = 9° 51' 34.2" (RT)
D = 5° 43' 46.5"
L = 172.08'
T = 86.25'
R = 1,000.00'

-Y1-
PI Sta 12+96.35
Δ = 12° 58' 44.7" (LT)
D = 16° 22' 12.8"
L = 79.28'
T = 39.81'
R = 350.00'

-Y1-
PI Sta 13+84.21
Δ = 26° 48' 50.5" (LT)
D = 28° 13' 28.3"
L = 95.00'
T = 48.39'
R = 203.00'

-Y1-
PI Sta 14+91.34
Δ = 13° 48' 03.0" (RT)
D = 11° 27' 33.0"
L = 120.43'
T = 60.51'
R = 500.00'

-L-
PI Sta 12+69.73
Δ = 8° 56' 07.4" (LT)
D = 5° 43' 46.5"
L = 155.95'
T = 78.13'
R = 1,000.00'

-L-
PI Sta 14+151.2
Δ = 37° 19' 33.1" (RT)
D = 28° 38' 52.4"
L = 130.29'
T = 67.55'
R = 200.00'

-L-
PI Sta 15+46.01
Δ = 15° 31' 26.7" (LT)
D = 11° 27' 33.0"
L = 135.47'
T = 68.15'
R = 500.00'

-L-
PI Sta 16+30.35
Δ = 6° 25' 49.8" (RT)
D = 18° 54' 34.2"
L = 34.01'
T = 17.02'
R = 303.00'

-L-
PI Sta 18+06.02
Δ = 1° 15' 48.9" (LT)
D = 1° 08' 45.3"
L = 110.27'
T = 55.14'
R = 5,000.00'

-L-
PI Sta 20+26.06
Δ = 1° 29' 14.7" (RT)
D = 1° 08' 45.3"
L = 129.80'
T = 64.90'
R = 5,000.00'

NOTE:
INCIDENTAL MILL APPROX. 25'
AT EACH TIE IN TO PROVIDE
A SMOOTH TRANSITION TO THE
EXISTING ASPHALT PAVEMENT

RADII DIMENSIONS ARE TO THE EDGE
OF PAVEMENT UNLESS OTHERWISE
NOTED
SEE SHEET 5 FOR -L- PROFILE
SEE SHEET 5 FOR -Y1- PROFILE
SEE SHEET 5 FOR -Y2- PROFILE
SEE SHEET 6 FOR -RDBT- PROFILE
SEE SHEET 2B-1 FOR
PAVEMENT REMOVAL

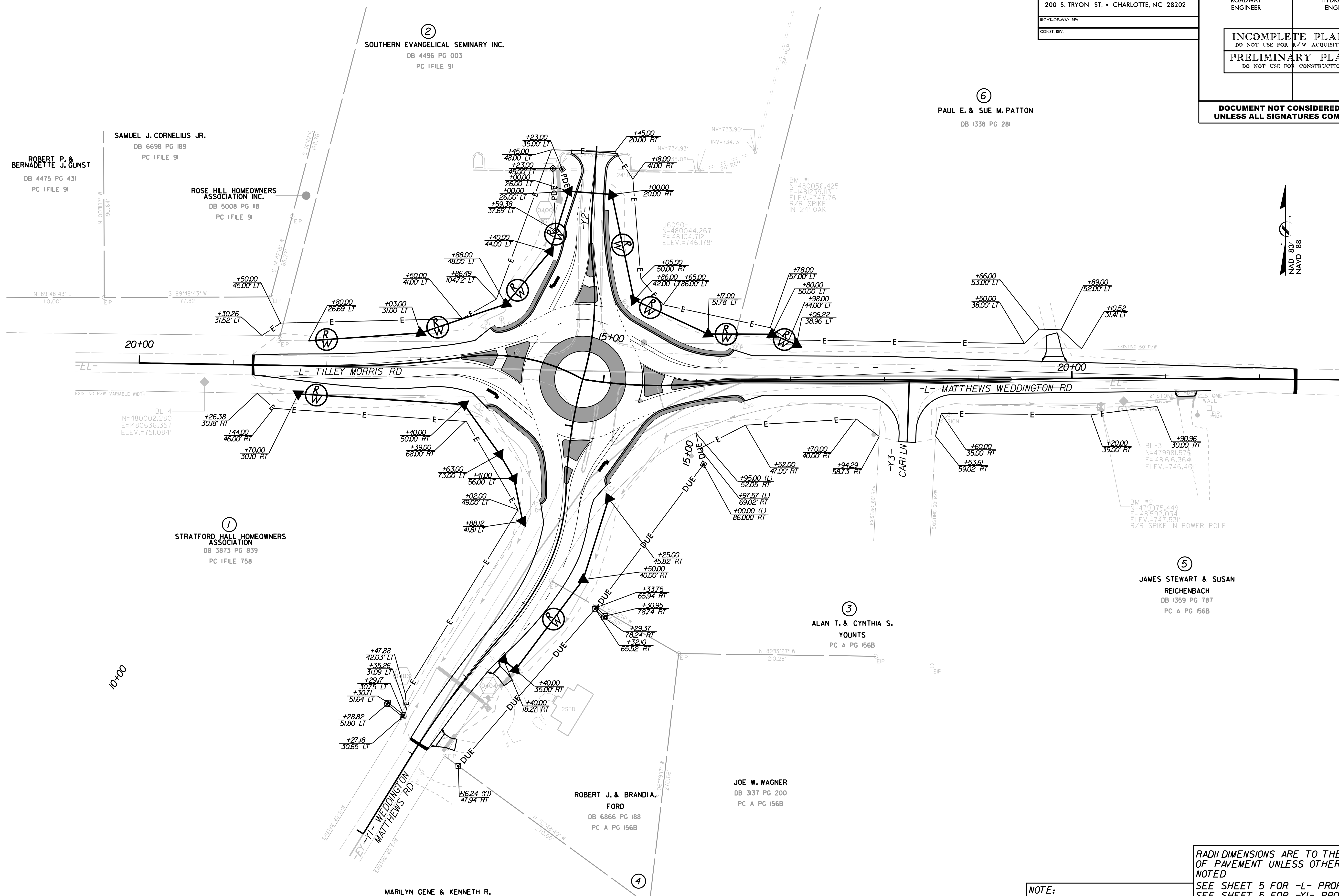
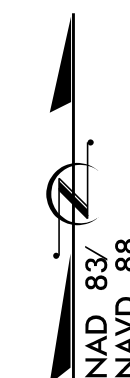
REVISIONS

11/13/2017

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PRELIMINARY PLANS
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REVISIONS

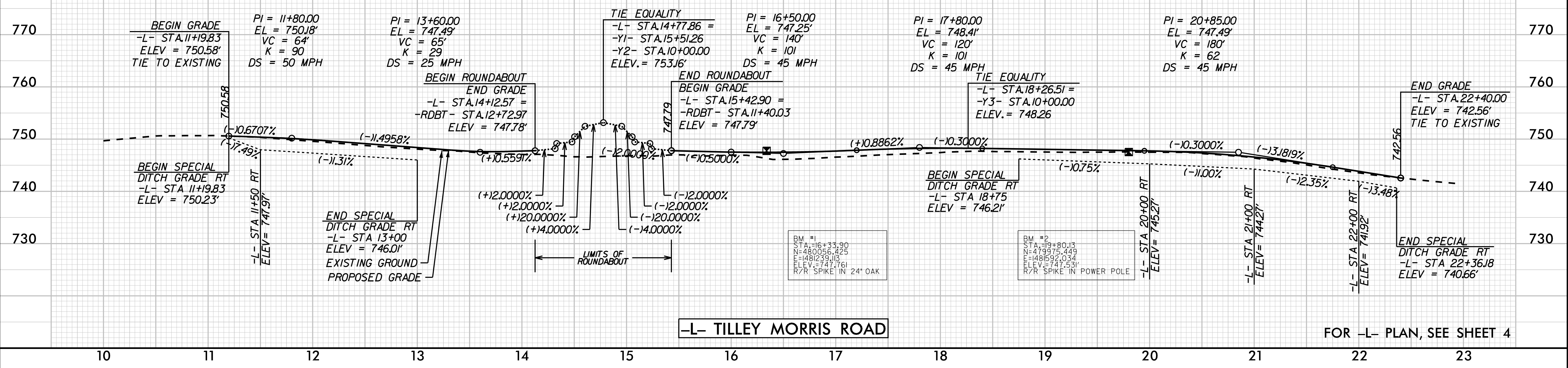


RADIi DIMENSIONS ARE TO THE EDGE
OF PAVEMENT UNLESS OTHERWISE
NOTED

NOTE:
INCIDENTAL MILL APPROX. 25'
AT EACH TIE IN TO PROVIDE
A SMOOTH TRANSITION TO THE
EXISTING ASPHALT PAVEMENT

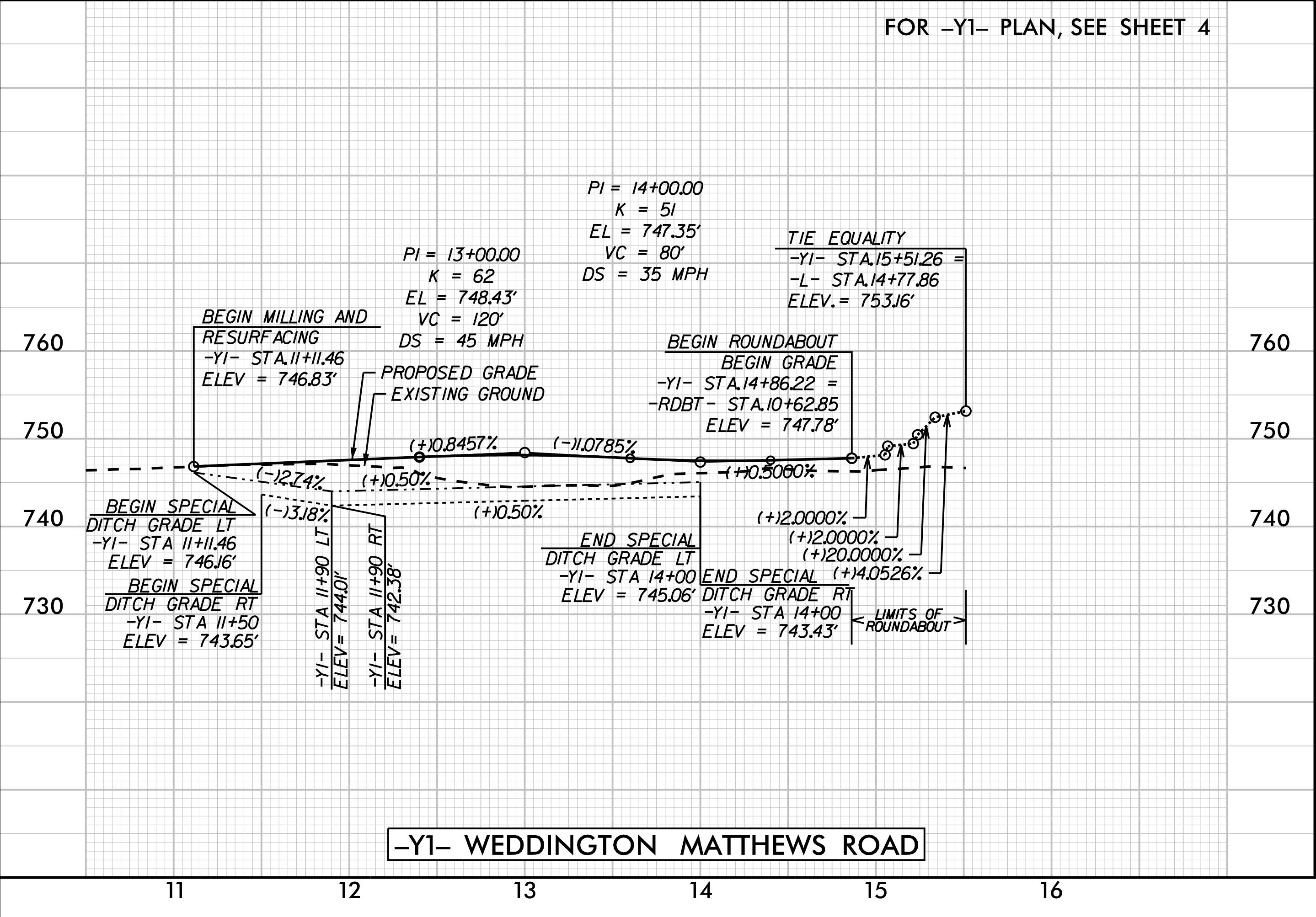
SEE SHEET 5 FOR -L- PROFILE
SEE SHEET 5 FOR -Y1- PROFILE
SEE SHEET 5 FOR -Y2- PROFILE
SEE SHEET 6 FOR -RDBT- PROFILE
SEE SHEET 2B-I FOR
PAVEMENT REMOVAL

PROJECT REFERENCE NO.		SHEET NO.	
U-6090		5	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

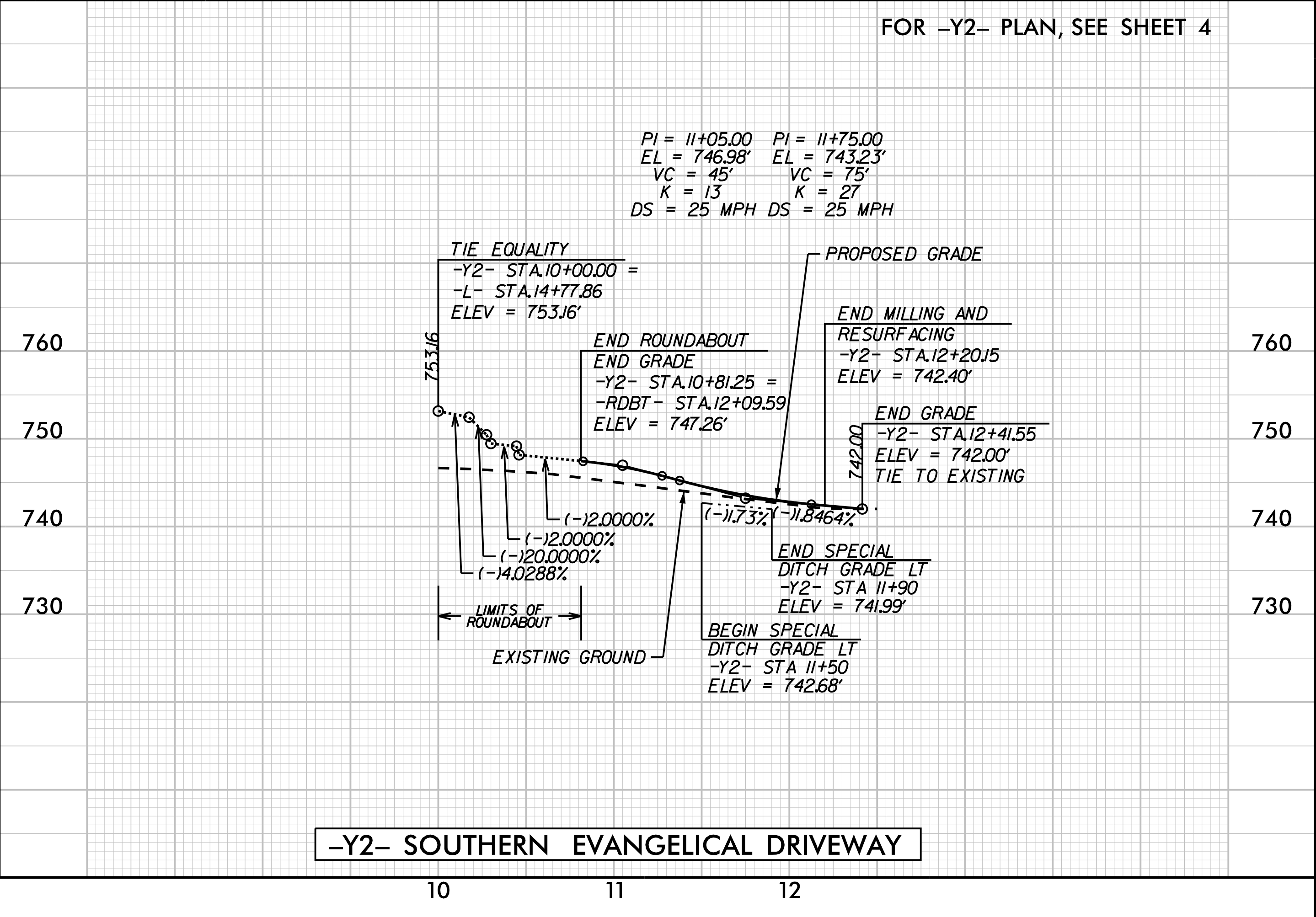


-L- TILLEY MORRIS ROAD

FOR -L- PLAN, SEE SHEET 4



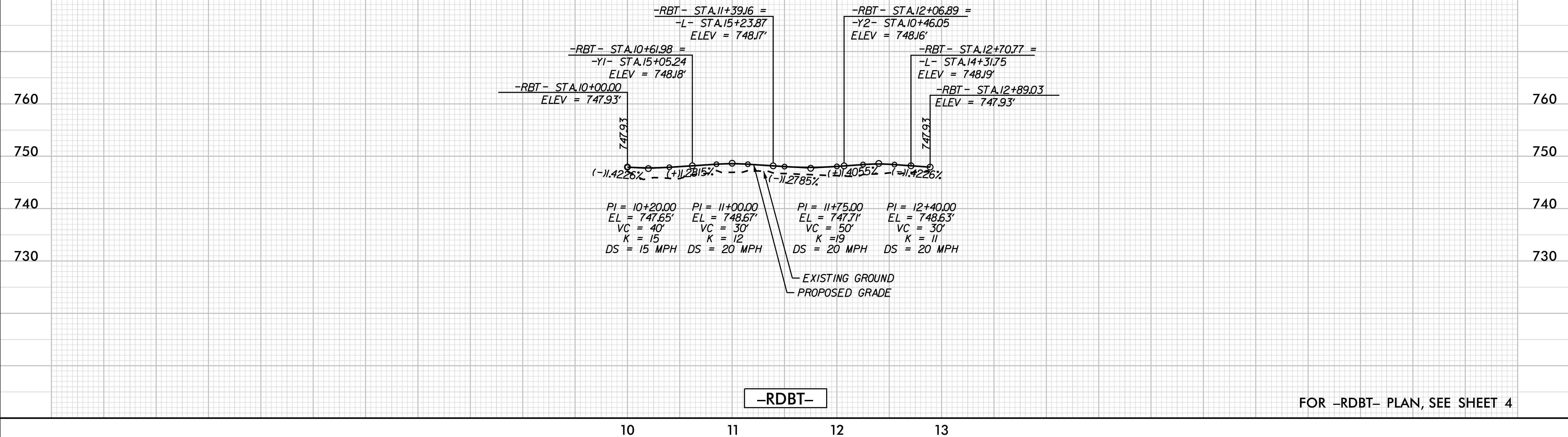
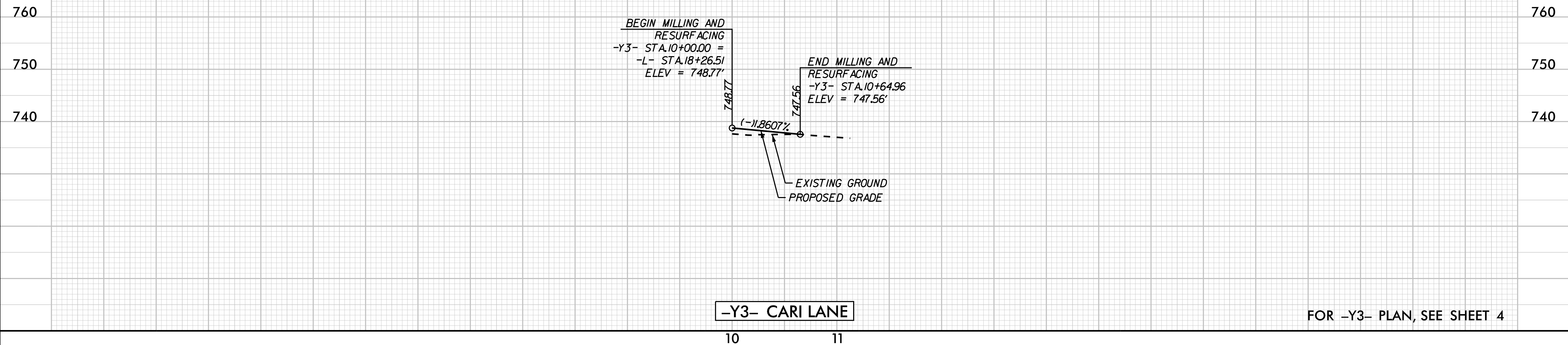
-Y1- WEDDINGTON MATTHEWS ROAD



-Y2- SOUTHERN EVANGELICAL DRIVEWAY

REVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
U-6090		6	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



11/13/2017

3/7/2019 K:\CHL\PRJ\01036444 - U-6090 (Tilley Rd)\NE\Environmental\Design\U-6090_ec_1.tshdgn

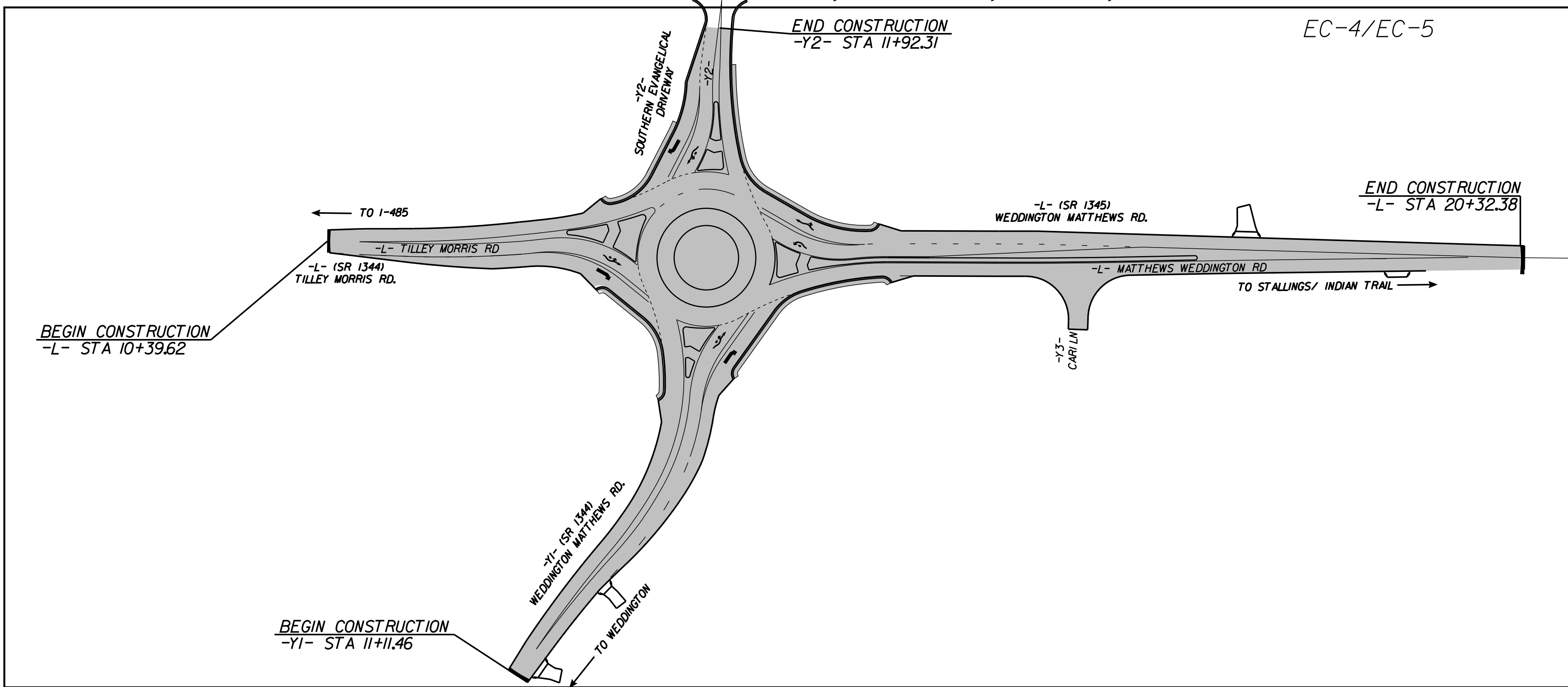
TIP PROJECT: U-6090

CONTRACT:

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

LOCATION: INTERSECTION OF SR 1344 (TILLEY MORRIS ROAD),
SR 1345 (WEDDINGTON MATTHEWS ROAD)
AND THE SOUTHERN EVANGELICAL DRIVEWAY

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND SIGNING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6090	EC-1	7
STATE PROJ.NO.	F.A.PROJ.NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch.....	TSD
1630.05	Temporary Diversion.....	TD
1605.01	Temporary Silt Fence.....	III III III
1606.01	Special Sediment Control Fence.....	△△△△△△△△
1622.01	Temporary Berms and Slope Drains.....	— T —
1630.02	Silt Basin Type B.....	▨
1633.01	Temporary Rock Silt Check Type-A.....	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM).....	▨
1633.02	Temporary Rock Silt Check Type-B.....	▨
	Wattle/ Coir Fiber Wattle.....	— W —
	Wattle/ Coir Fiber Wattle with Polyacrylamide (PAM).....	— W —
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.....	▨
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	A
1632.02	Type B.....	B
1632.03	Type C.....	C
	Skimmer Basin.....	▨
	Tiered Skimmer Basin.....	▨
	Infiltration Basin.....	▨

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)

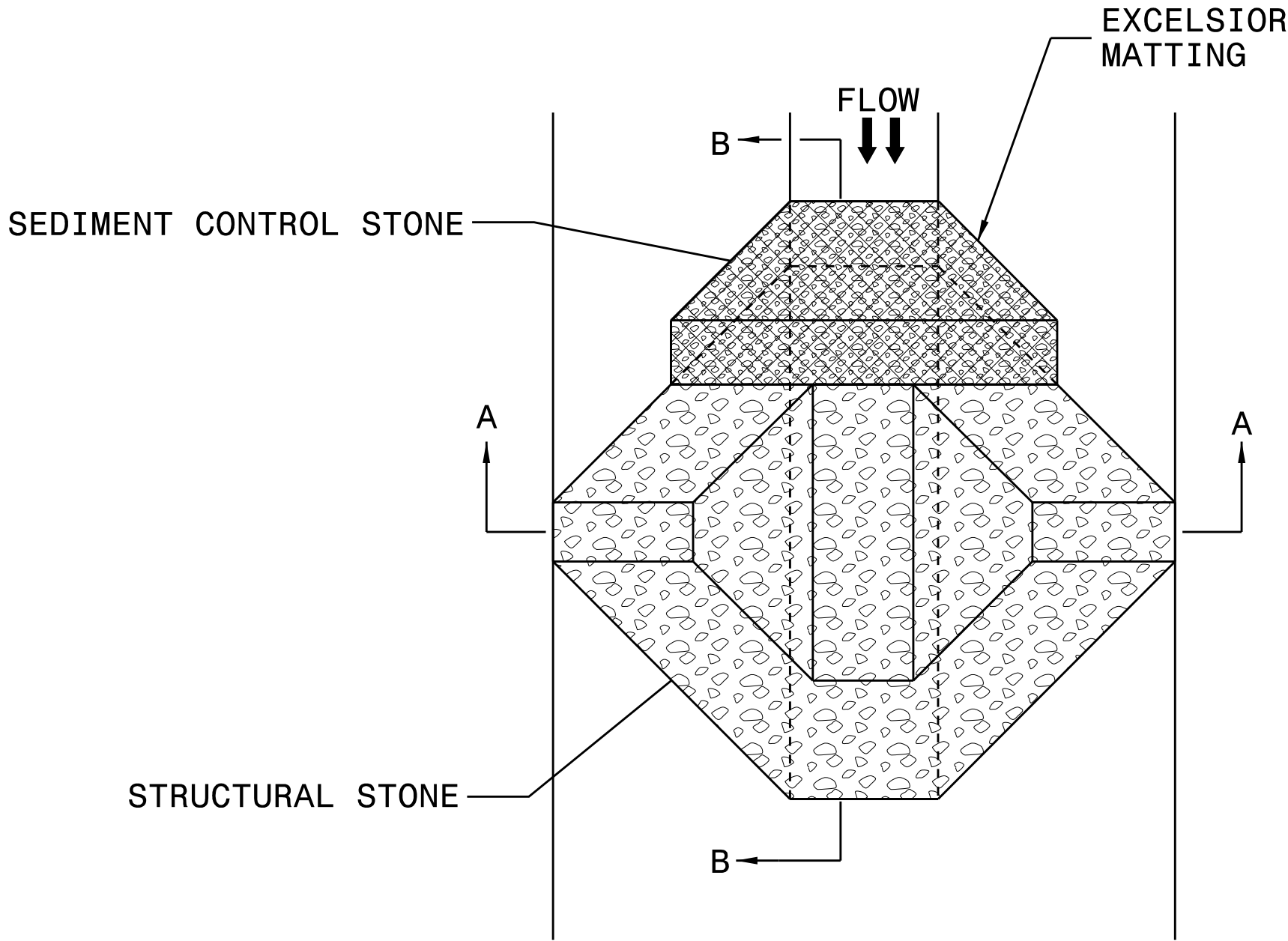
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

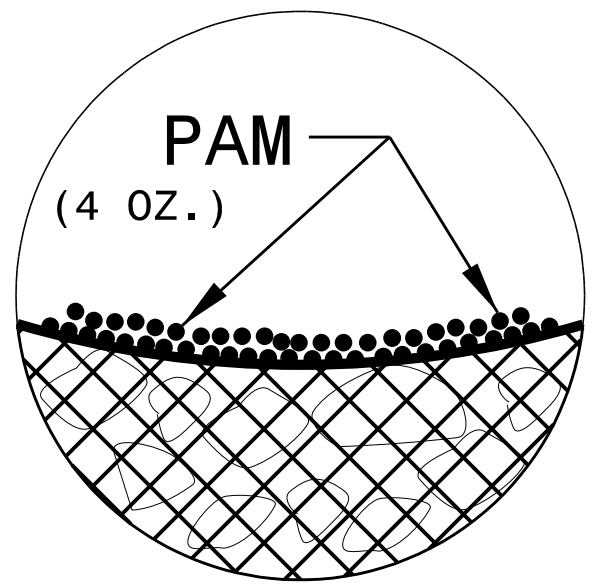
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

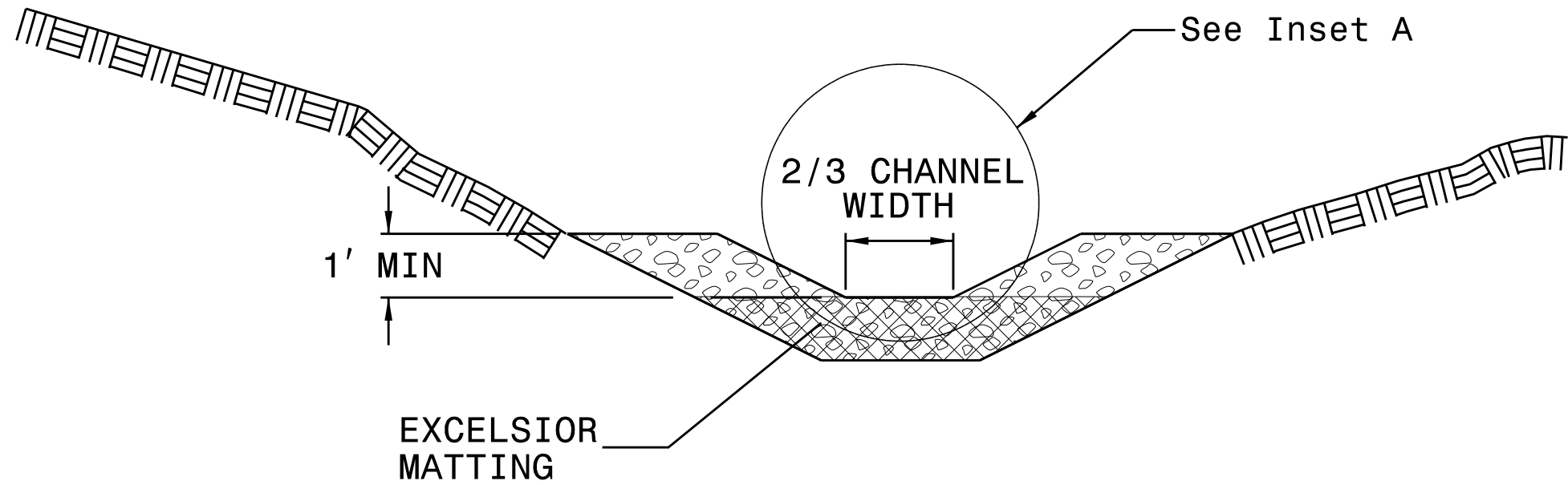
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



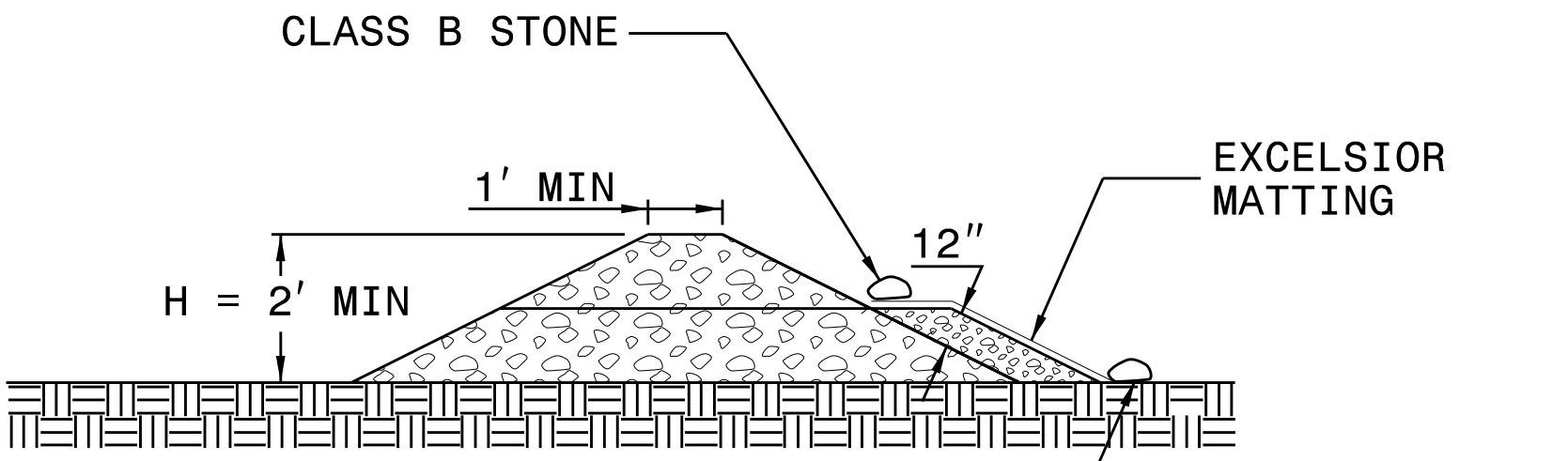
PLAN



INSET A



SECTION A-A

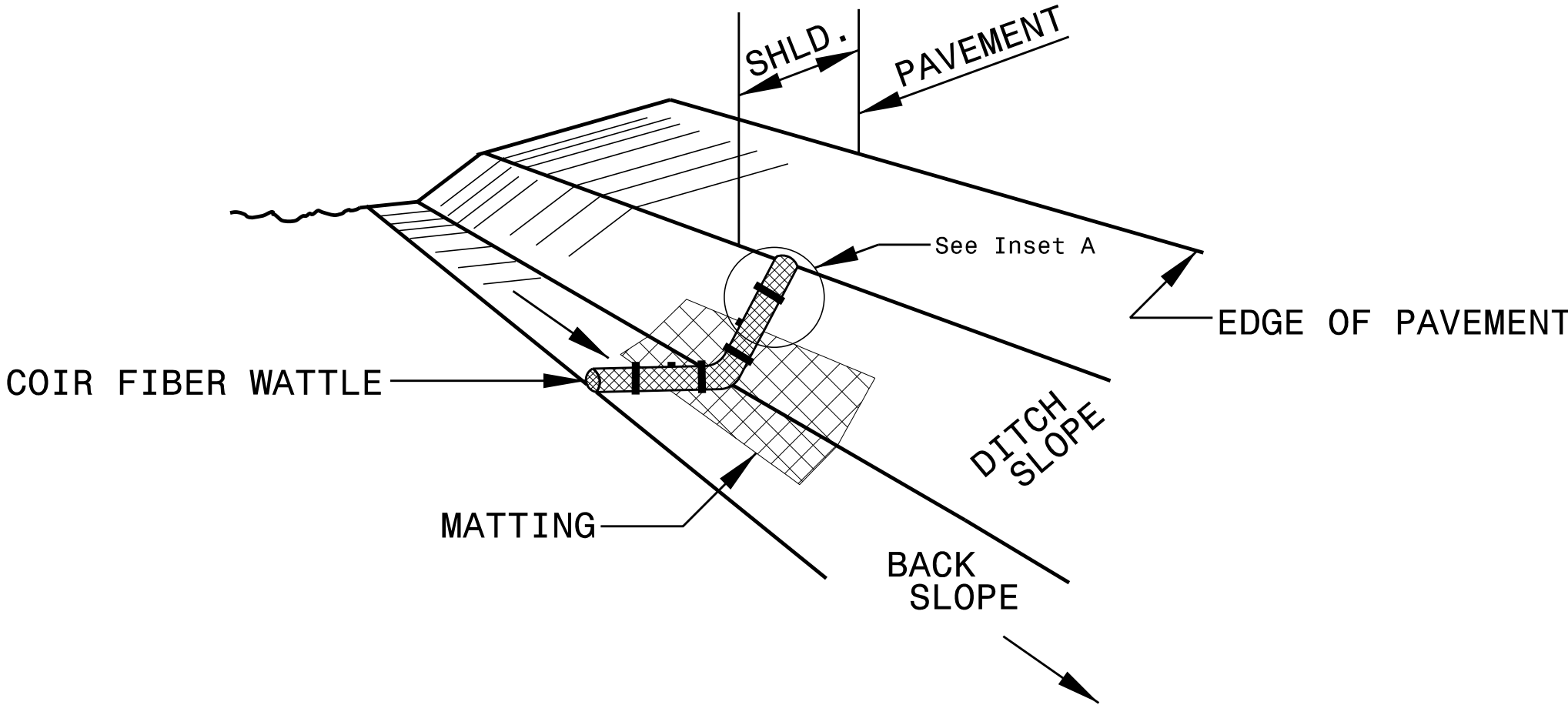


SECTION B-B

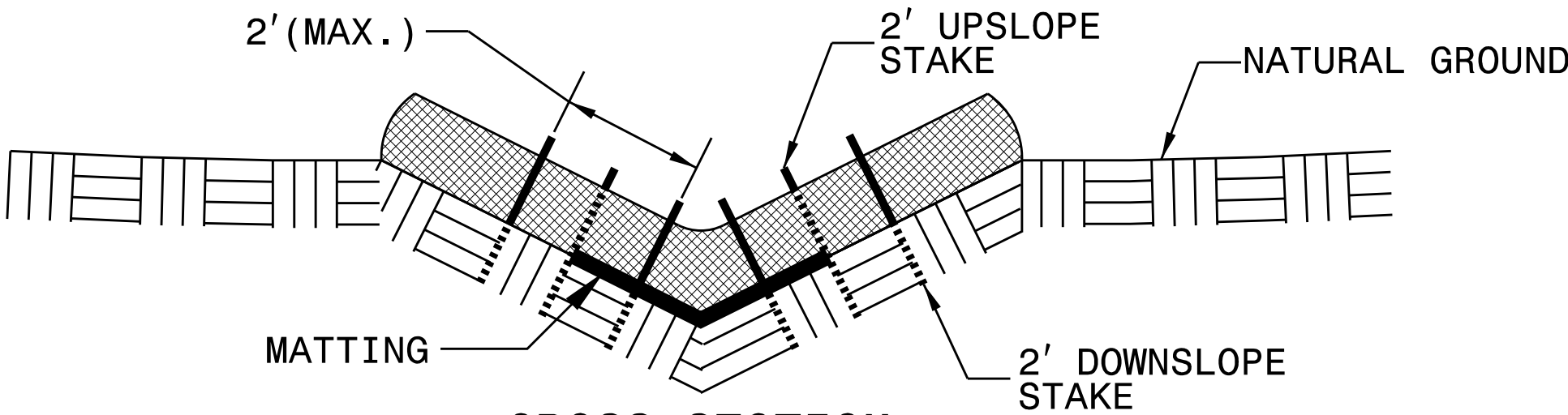
NOT TO SCALE

REVISIONS

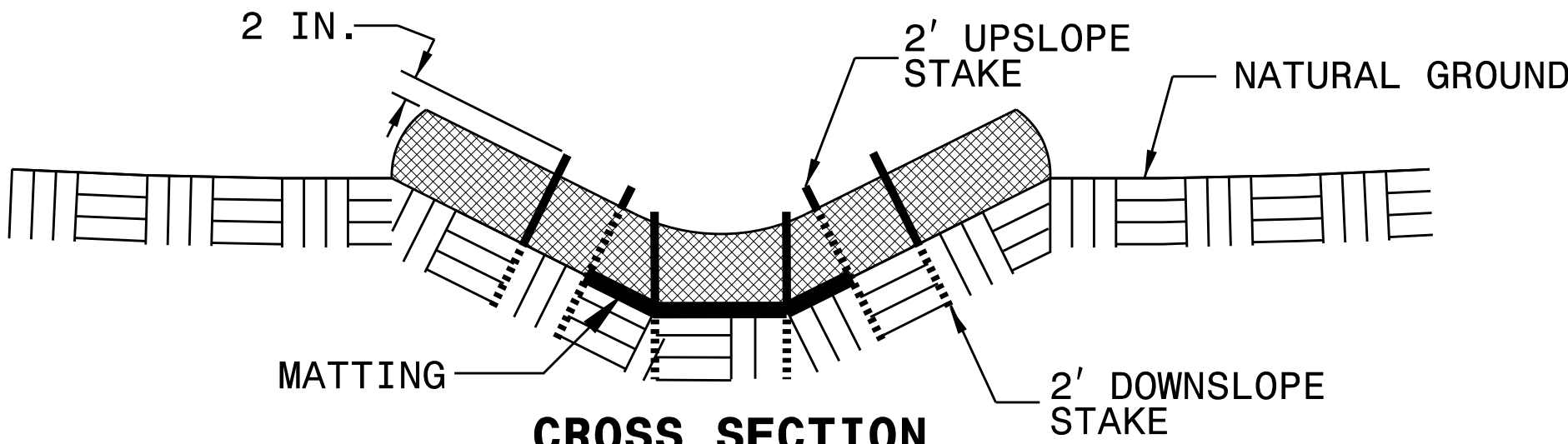
COIR FIBER WATTLE DETAIL



ISOMETRIC VIEW

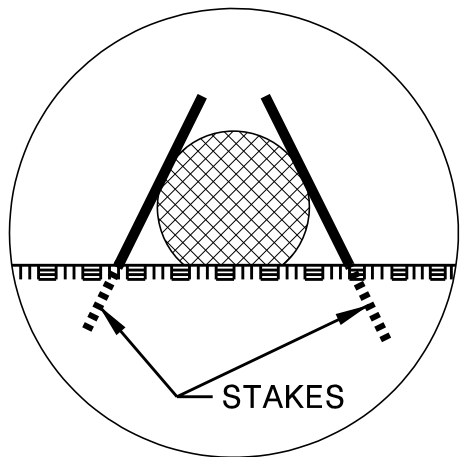


CROSS SECTION
VEE DITCH

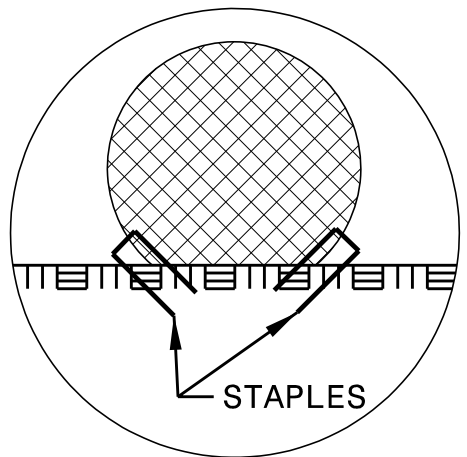


CROSS SECTION
TRAPEZOIDAL DITCH

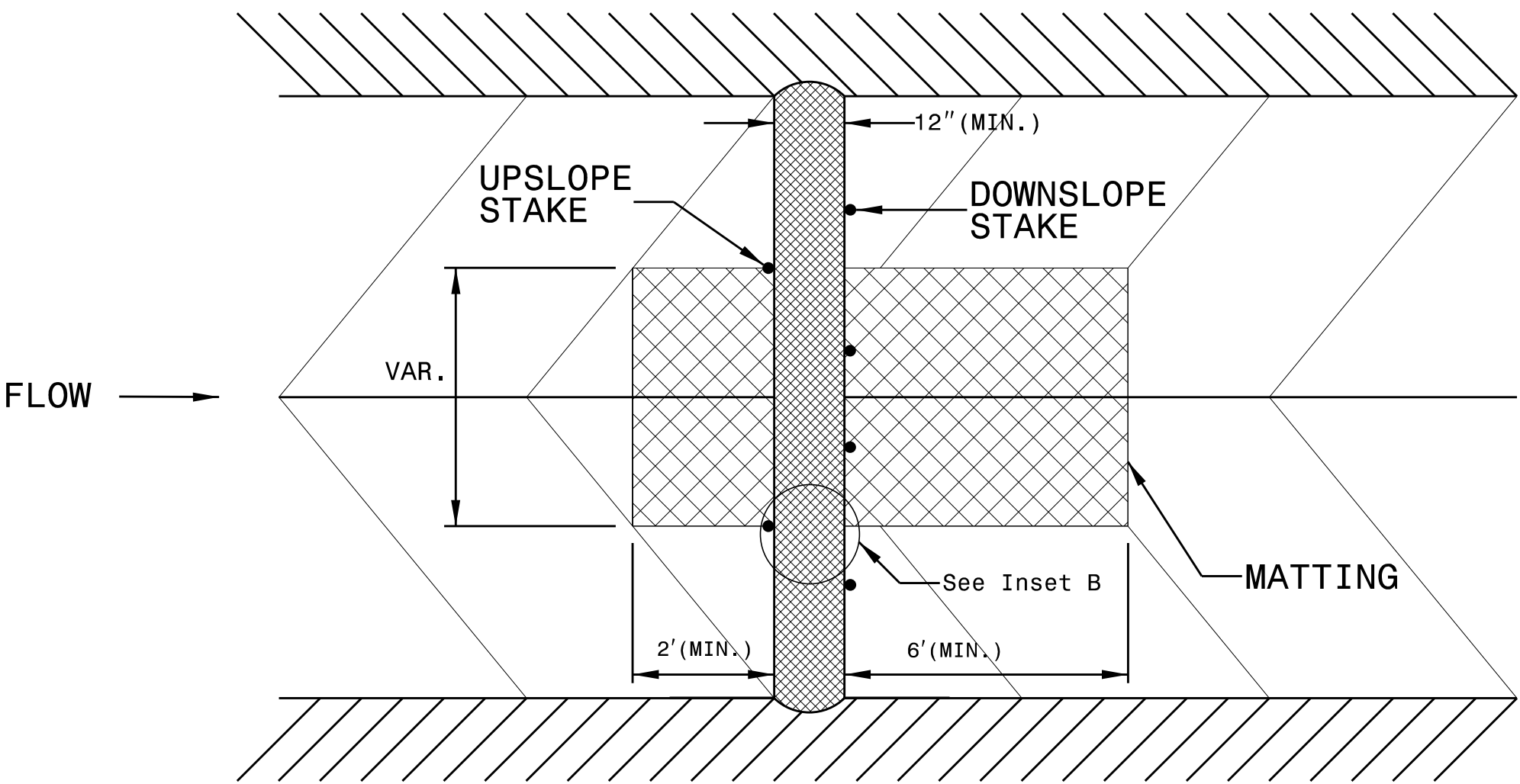
- NOTES:
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
 - USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
 - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
 - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
 - PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
 - INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
 - INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

NOT TO SCALE



CONST. REV.

U-6090

EC-2C

SSION CONTROL

LINE	FROM STATION	TO STATION	SIDE	ES
------	--------------	------------	------	----

[illegible][illegible]

REVISIONS

3/7/2019 K:\CHL_PRJ\01036444 - U-6090 (Tilley Rdbt)\Environmental\Design\U-6090_ec_psh_02&03.dgn

REVISIONS

3/7/2019 K:\CHL_PRJ\01036444 - U-6090 (Tilley Rdb)\Env\tramental\Design\U-6090_ec_pst_02&03.dgn

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Kimley»Horn

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200 S. TRYON ST. • CHARLOTTE, NC 28202

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.

U-6090

SHEET NO.

EC-3

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

U-6090 EC-4/CONS.4

R/W SHEET NO.

ROADWAY
ENGINEER

HYDRAULICS
ENGINEER

INCOMPLETE PLANS
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PRELIMINARY PLANS
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6
PAUL E. & SUE M. PATTON
DB 1338 PG 281

5
JAMES STEWART & SUSAN
REICHENBACH
DB 1359 PG 787
PC A PG 156B

3
ALAN T. & CYNTHIA S.
YOUNTS
PC A PG 156B

JOE W. WAGNER
DB 3137 PG 200
PC A PG 156B

ROBERT J. & BRANDIA A.
FORD
DB 6866 PG 188
PC A PG 156B

1
STRATFORD HALL HOMEOWNERS
ASSOCIATION
DB 3873 PG 839
PC 1 FILE 758

ROSE HILL HOMEOWNERS
ASSOCIATION INC.
DB 5008 PG 118
PC 1 FILE 91

ROBERT P. &
BERNADETTE J. GUNST
DB 4475 PG 431
PC 1 FILE 91

SAMUEL J. CORNELIUS JR.
DB 6698 PG 189
PC 1 FILE 91

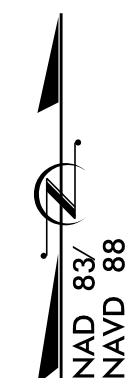
OUP LLC.
O PG 313
FILE 91

2
SOUTHERN EVANGELICAL SEMINARY INC.
DB 4496 PG 003
PC 1 FILE 91

Temporary Rock
Silt Check Type A
1.0 ft. weir height

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.



REVISIONS

11/13/2017

NAD 83/
NAVD 88



CONTRACT:

T.I.P.: U-6090

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
UNION COUNTY

LOCATION: INTERSECTION OF TILLEY MORRIS RD. (SR-1345) AND
WEDDINGTON MATTHEWS RD. (SR-1344)

TIP NO.	SHEET NO.
U-6090	PMP-1
APPROVED: _____	
DATE: _____	
SEAL	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SHEDULE SHEET
PMP-2	PAVEMENT MARKING DETAIL

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 2012 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 - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

PAVEMENT
MARKING SCHEDULE

SYMBOL	DESCRIPTION
	FINAL PAVEMENT MARKINGS
	THERMOPLASTIC (4", 90 MILS)
TA	WHITE EDGELINE
TB	YELLOW EDGELINE
	THERMOPLASTIC (4", 120 MILS)
TI	YELLOW DOUBLE CENTER
	THERMOPLASTIC (8", 90 MILS)
TN	WHITE GORELINE (8", 90 MIL)
	THERMOPLASTIC (4", 120 MILS)
TD	3 FT. - 9 FT./SP WHITE MINISKIP
	THERMOPLASTIC (8", 120 MILS)
T17	3 FT. - 3 FT. ISP WHITE MINISKIP
	THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UD	COMBO LEFT/STRAIGHT ARROW
UN	24" YIELD LINE TRIANGLE
UW	FISH-HOOK RIGHT/STRAIGHT ARROW
WA	FISH-HOOK W/ CIRCLE LEFT ARROW
WB	FISH-HOOK W/ CIRCLE LEFT/STRAIGHT ARROW
WC	FISH-HOOK W/ CIRCLE LEFT/RIGHT/ STRAIGHT ARROW
	PAVEMENT MARKER SYMBOLS
MA	YELLOW & YELLOW

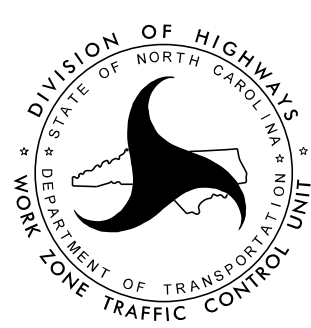
GENERAL NOTES

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 ON THE FINAL SURFACE
AS FOLLOWS:
- | | | |
|-----------|---------------|--------|
| ROAD NAME | MARKING | MARKER |
| -L- | THERMOPLASTIC | MA |
| -Y1- | THERMOPLASTIC | MA |
- 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) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED
IN LIEU OF EXTRUDED THERMOPLASTIC FOR ARROWS, STOP BARS, SYMBOLS,
CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID
FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

_____	SIGNING & DELINEATION REGIONAL ENGINEER
_____	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: Kimley-Horn and Associates

FRANK MASTERSON, P.E.	PROJECT DESIGN ENGINEER
BRANDON MURR	DESIGNER

Kimley»Horn

THERMOPLASTIC PAVEMENT MARKING LINES

TA - THERMOPLASTIC (4", 90 MILS)
 TB - THERMOPLASTIC (4", 90 MIL)
 TD - THERMOPLASTIC (4", 120 MILS)
 TI - THERMOPLASTIC (4", 120 MILS)
 TN - THERMOPLASTIC (8", 90 MILS)
 T17 - THERMOPLASTIC (8", 120 MILS)
 WHITE EDGE LINE
 YELLOW EDGELINE
 3 FT. - 9 FT./SP WHITE MINISKIP
 YELLOW DOUBLE CENTER LINE
 WHITE GORELINE
 3 FT. - 3 FT./SP WHITE MINISKIP

PAVEMENT MARKING SYMBOLS

UB - THERMOPLASTIC (90 MILS)
 UC - THERMOPLASTIC (90 MILS)
 UD - THERMOPLASTIC (90 MILS)
 UN - THERMOPLASTIC (90 MILS)
 UW - THERMOPLASTIC (90 MILS)
 WA - THERMOPLASTIC (90 MILS)
 WB - THERMOPLASTIC (90 MILS)
 WC - THERMOPLASTIC (90 MILS)
 RIGHT TURN ARROW
 STRAIGHT ARROW
 COMBO. LEFT/STRAIGHT ARROW
 24" YIELD LINE TRIANGLE
 FISH-HOOK RIGHT/STRAIGHT ARROW
 FISH-HOOK W/CIRCLE LEFT ARROW
 FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW
 FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW

PAVEMENT MARKER SYMBOLS

MA - YELLOW & YELLOW PERMANENT RAISED PAVEMENT MARKER

Kimley»Horn

200 S. TRYON ST. • CHARLOTTE, NC 28202

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.

U-6090

SHEET NO.

PMP-2

R/W SHEET NO.

ROADWAY
ENGINEER

HYDRAULICS
ENGINEER

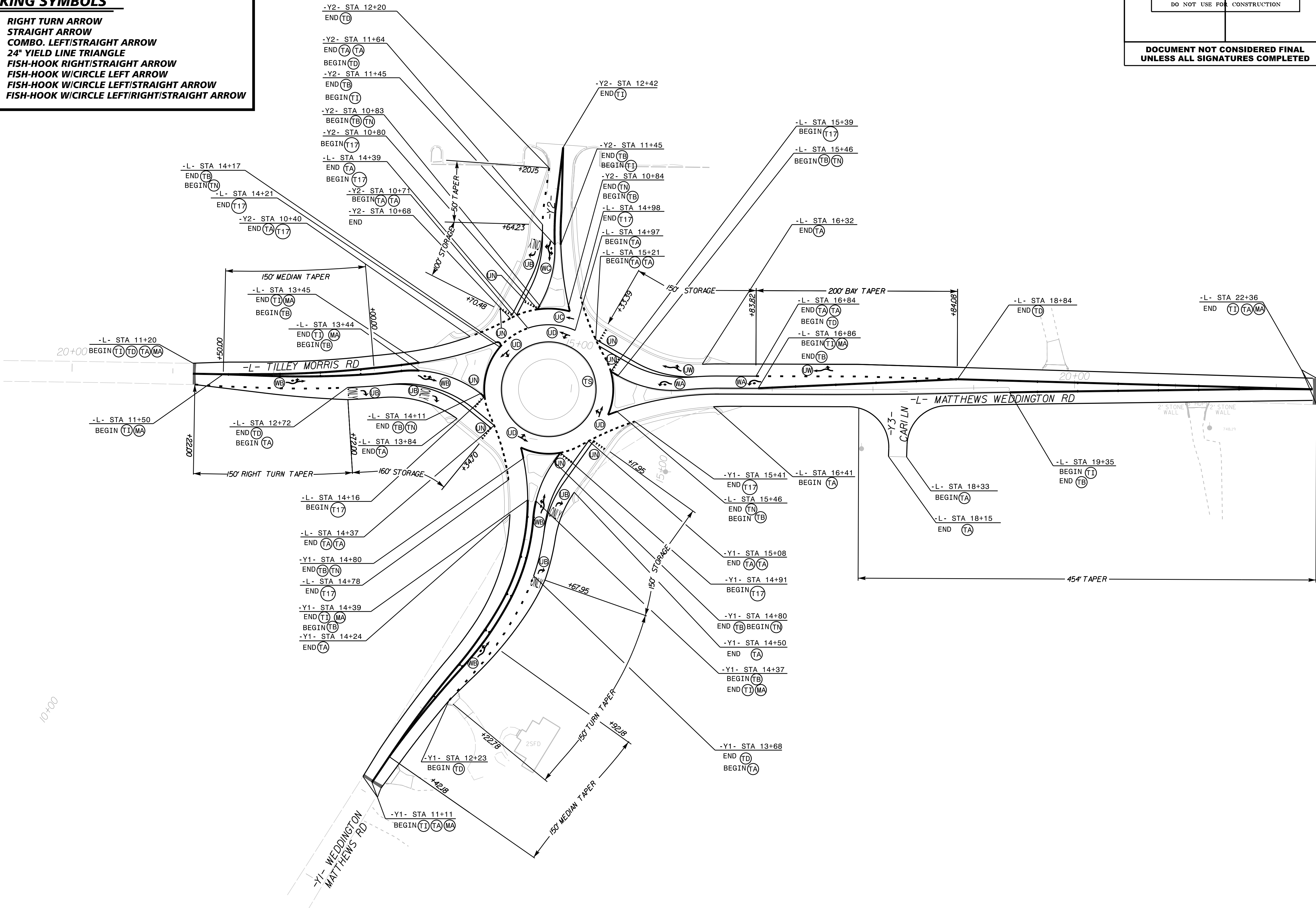
INCOMPLETE PLANS

DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS

DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



REVISIONS

K:\CHL\PRJ\01036444 - U-6090 (Tilley Rabb)\Traffic\Signing\CADD\Sign Designs\U-6090_rdy_sgn_1shdgn

3/7/2019

CONTRACT:

T.I.P.: U-6090

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
UNION COUNTY

LOCATION: INTERSECTION OF TILLEY MORRIS RD. (SR-1345) AND
WEDDINGTON MATTHEWS RD. (SR-1344)

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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE
CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.40	SINGLE AND TWO LANE ROUNDABOUT SIGNING WITH PEDESTRIANS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	137	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	196	L.F.
4108000000	904	SIGN ERECTION, TYPE E	22	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE E (GROUND MOUNTED)	3	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	4	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	4	EA.

GENERAL NOTES

- ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- ALL PROPOSED SIGNS SEE PROJECT NOTE 3 UNLESS OTHERWISE NOTED ON PLAN SHEETS.

INDEX

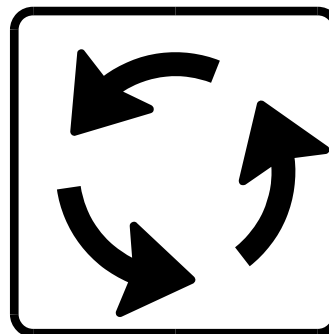
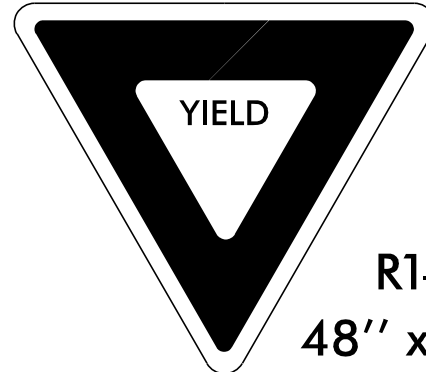
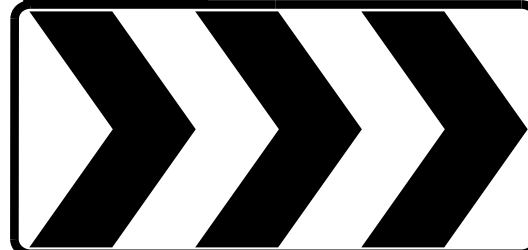
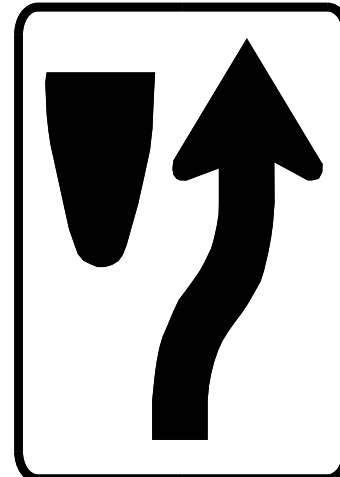
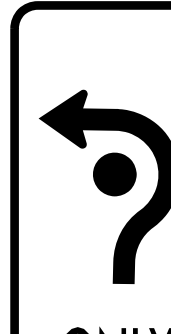
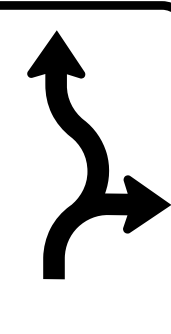
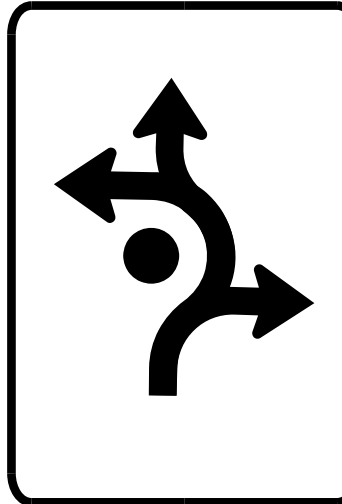
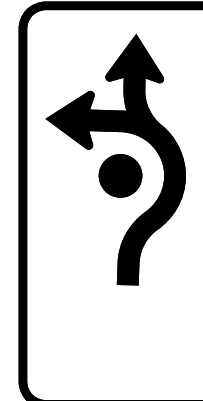
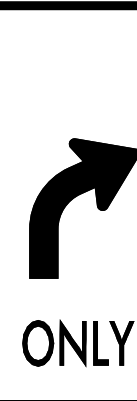
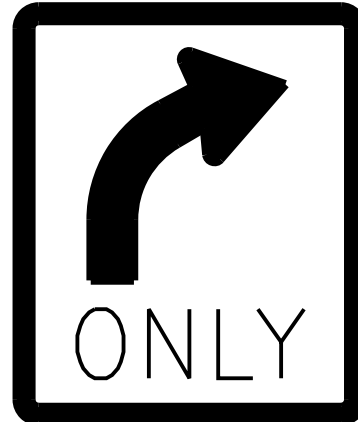
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	E SHEETS
SIGN-3	SIGNING PLAN SHEET

PLAN PREPARED BY: KIMLEY-HORN AND ASSOCIATES, INC.

FRANK MASTERSON, P.E. PROJECT DESIGN ENGINEER
BRANDON MURR, EIT DESIGNER

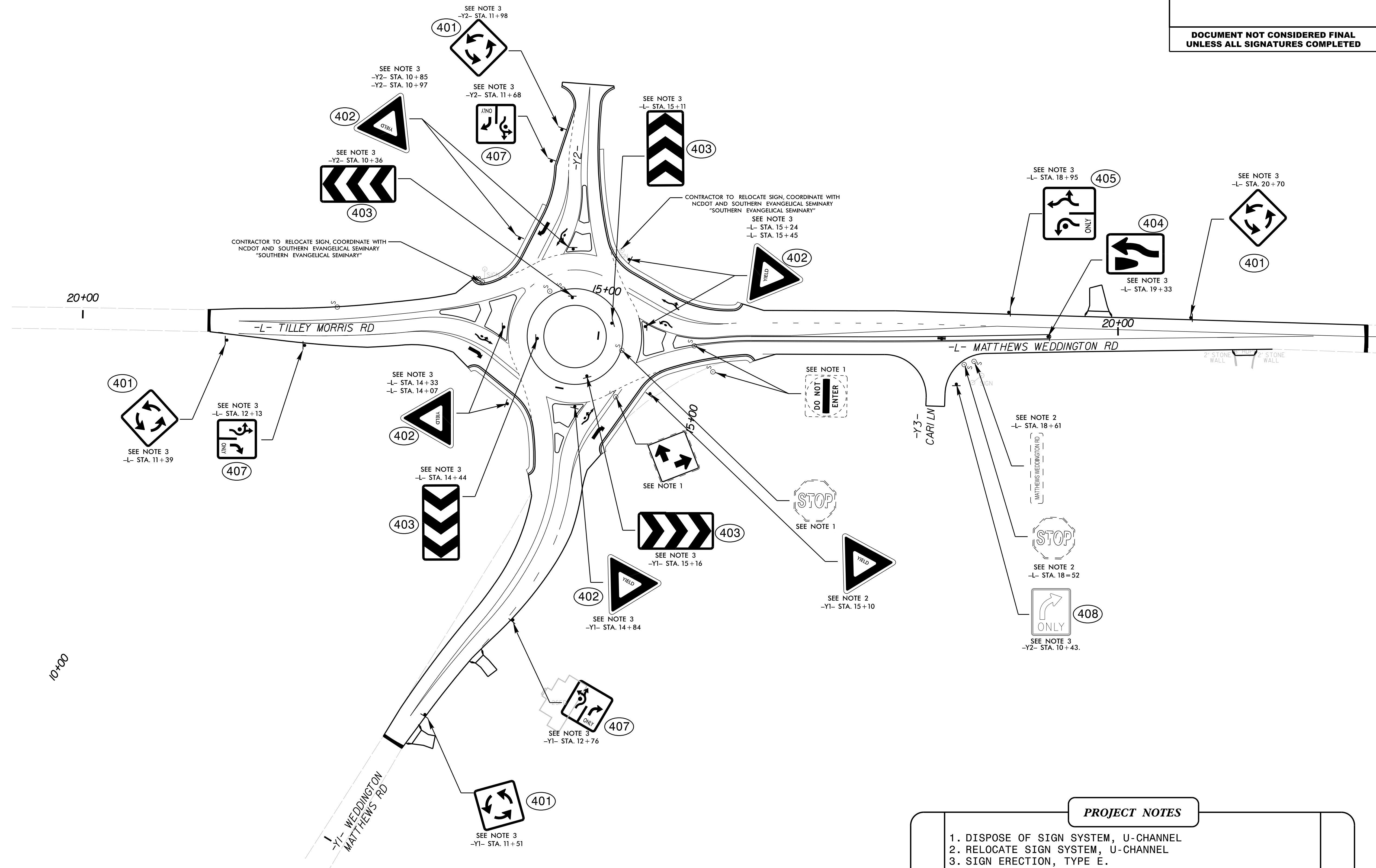
Kimley»Horn

TIP NO.	SHEET NO.
U-6090	SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

401 QUANTITY REQ'D _4_  R6-5P 30'' X 30''		402 QUANTITY REQ'D _8_  R1-2 48'' x 48'' x 48''		403 QUANTITY REQ'D _4_  R6-4A 48'' x 12''		404 QUANTITY REQ'D _1_  R4-7 24'' X 30''		405 QUANTITY REQ'D _1_  ONLY  R3-8 30'' X 30''		406 QUANTITY REQ'D _ _  R3-8 VARIES X 30''		TIP NO. U-6090 SHEET NO. SIGN-2 APPROVED: _____ DATE: _____ SEAL PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
407 QUANTITY REQ'D _3_  ONLY  R3-8 30'' X 30''		408 QUANTITY REQ'D _1_  R3-5R 30'' x 36''											

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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PROJECT NOTES

1. DISPOSE OF SIGN SYSTEM, U-CHANNEL
2. RELOCATE SIGN SYSTEM, U-CHANNEL
3. SIGN ERECTION, TYPE E.

U-6090
CROSS SECTION INDEX

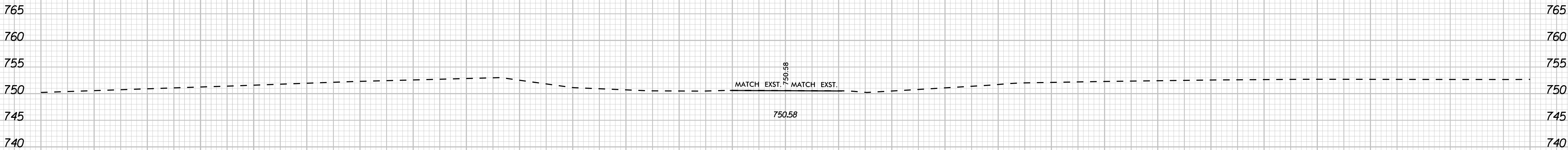
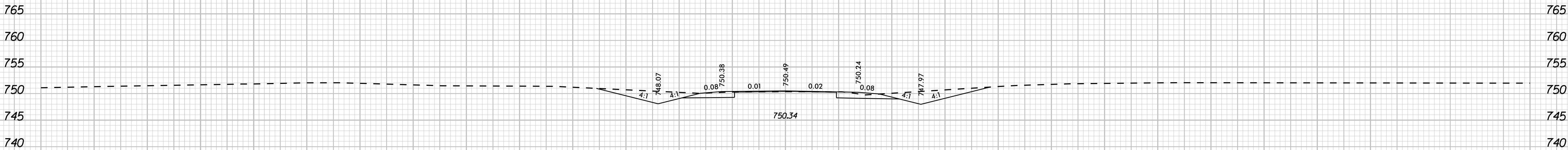
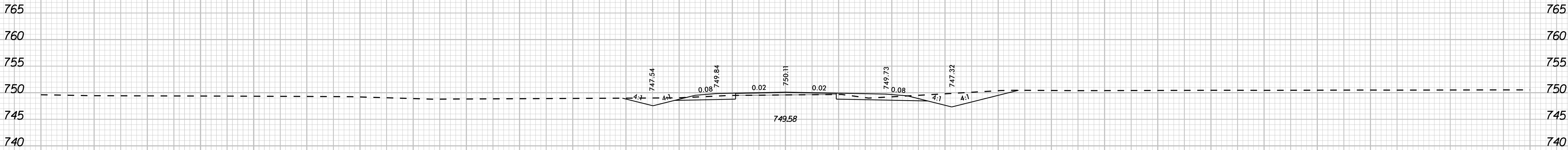
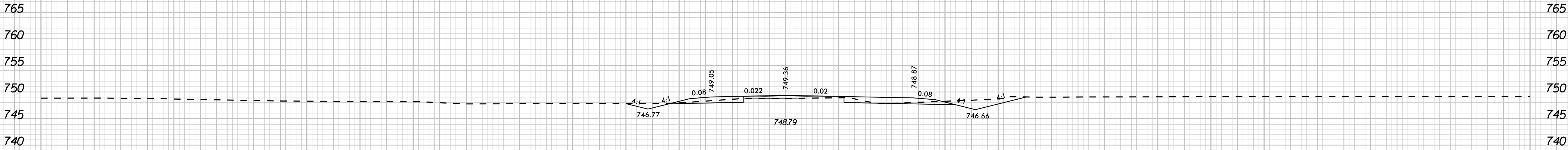
-L- TILLEY MORRIS ROAD	X-1 THRU X-5
-Y1- WEDDINGTON MATTHEWS ROAD	X-6 THRU X-7
-Y2- SOUTHERN EVANGELICAL DRIVEWAY	X-8
-Y3- CARI LANE	X-9

INCOMPLETE PLANS

DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS

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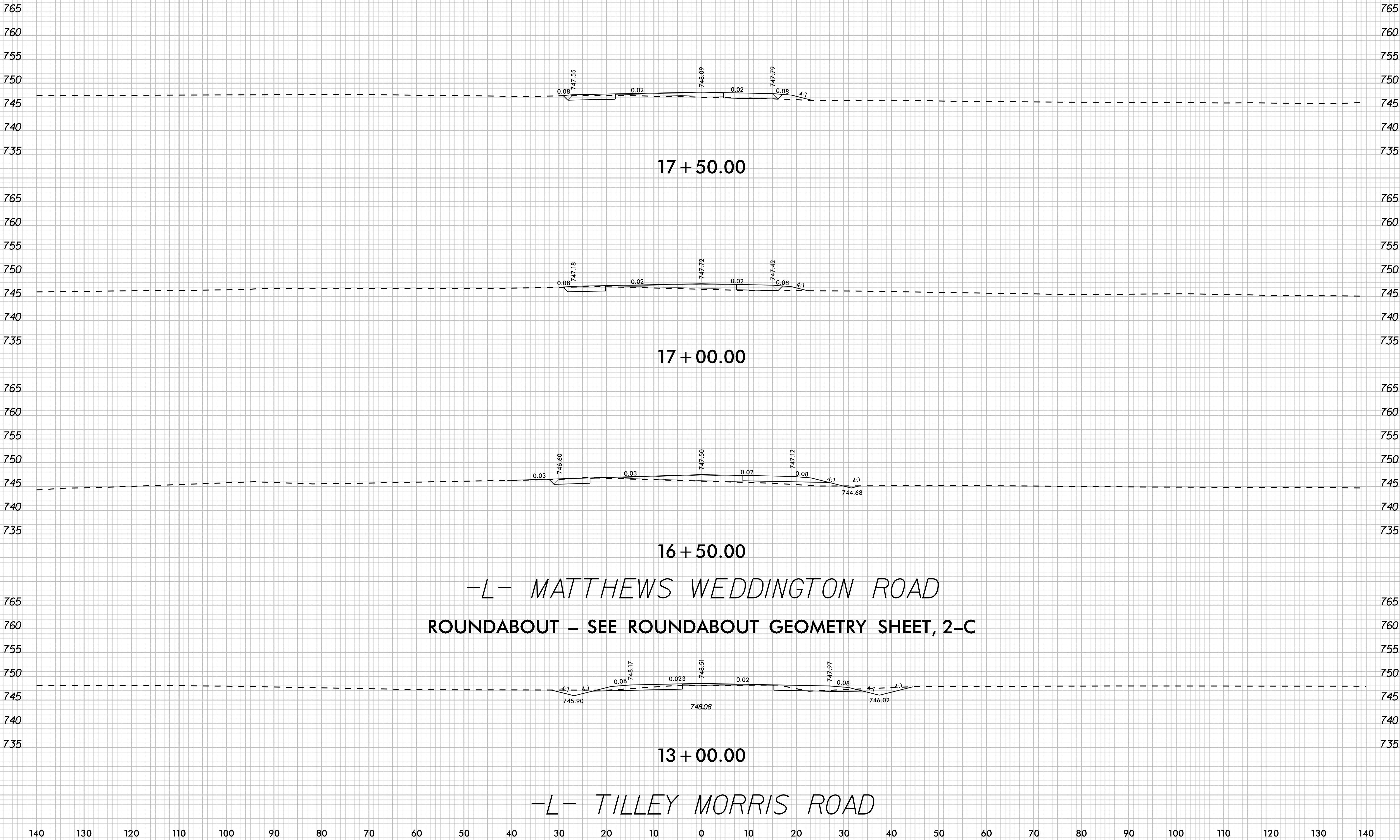
11+19.83
BEGIN CONSTRUCTION
-L- TILLEY MORRIS ROAD

INCOMPLETE PLANS

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PRELIMINARY PLANS

DO NOT USE FOR CONSTRUCTION

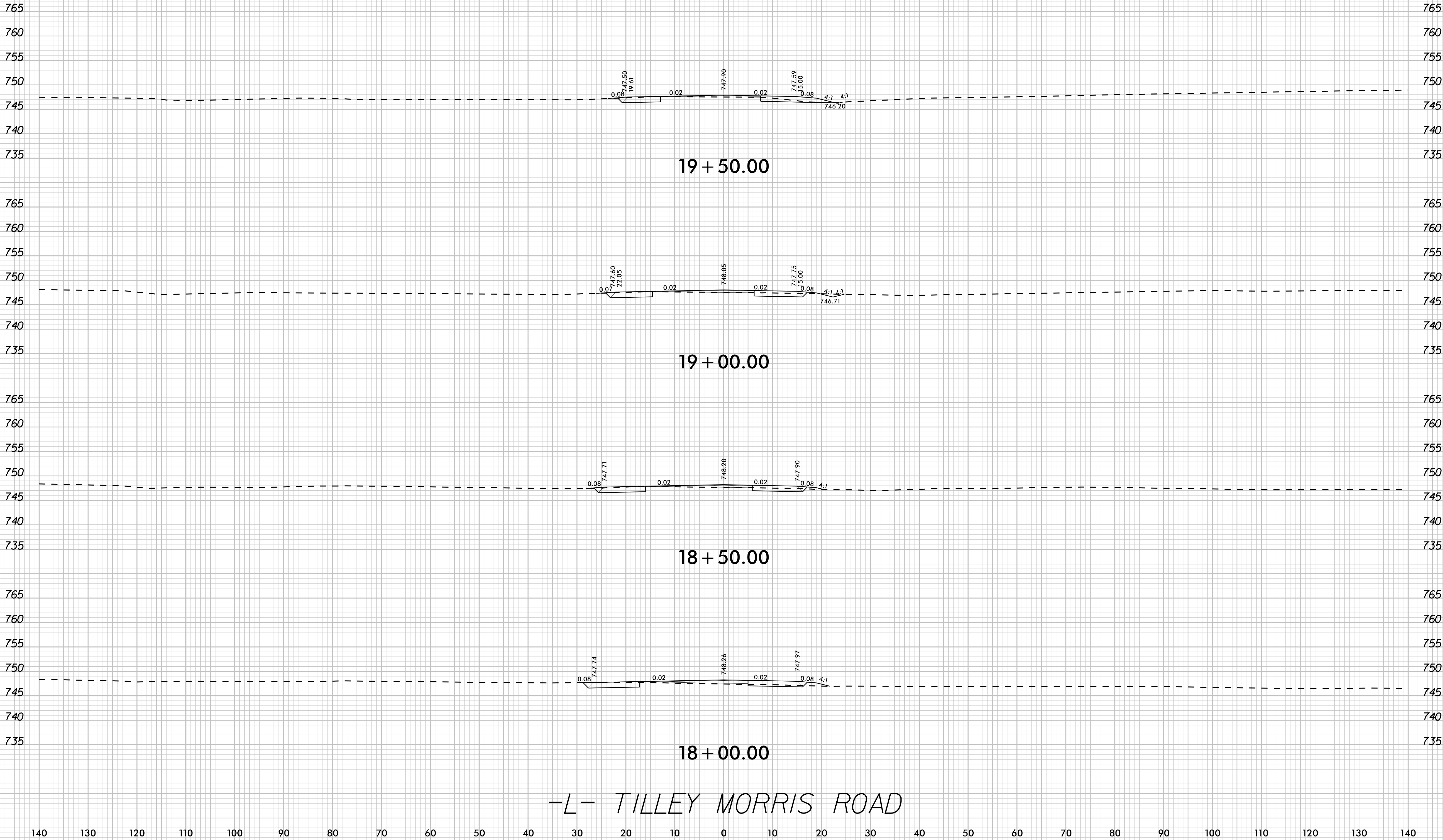


INCOMPLETE PLANS

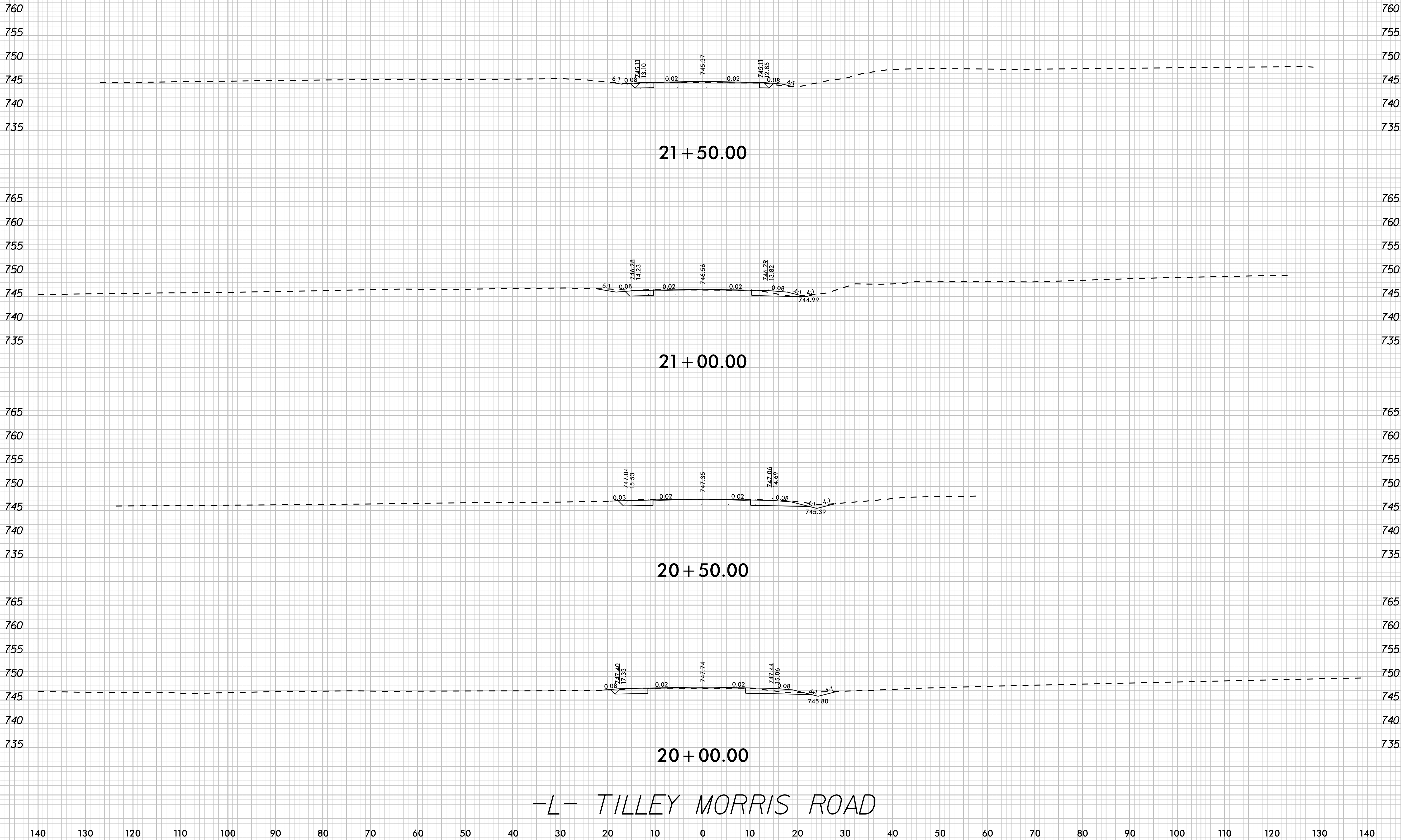
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS

DO NOT USE FOR CONSTRUCTION

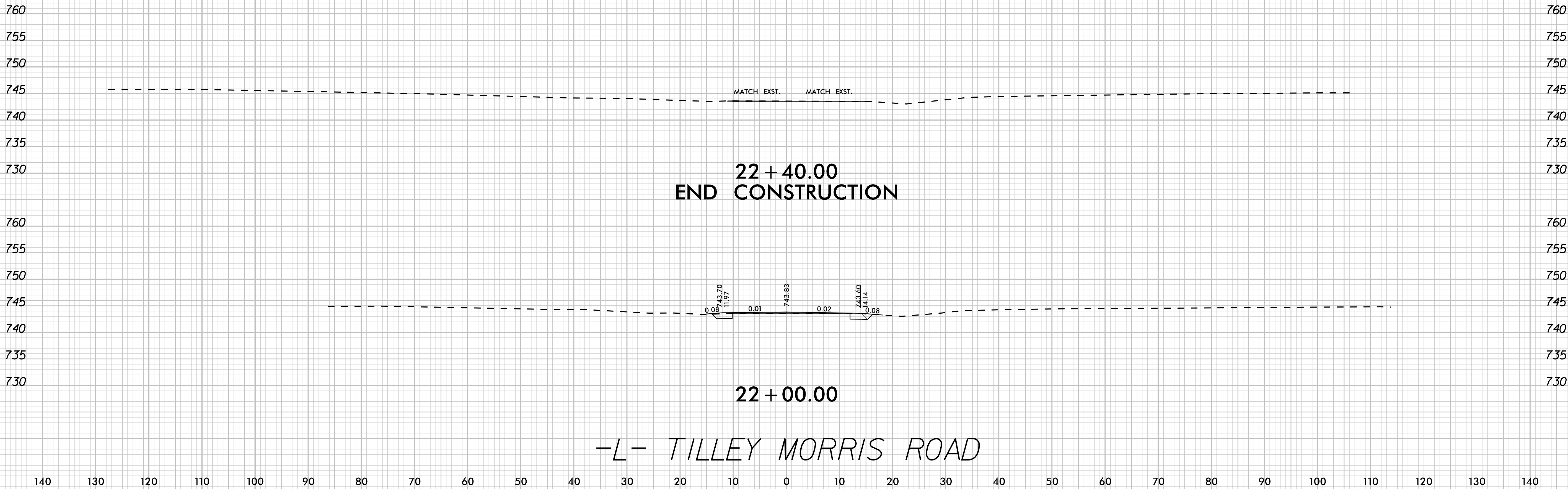


INCOMPLETE PLANS
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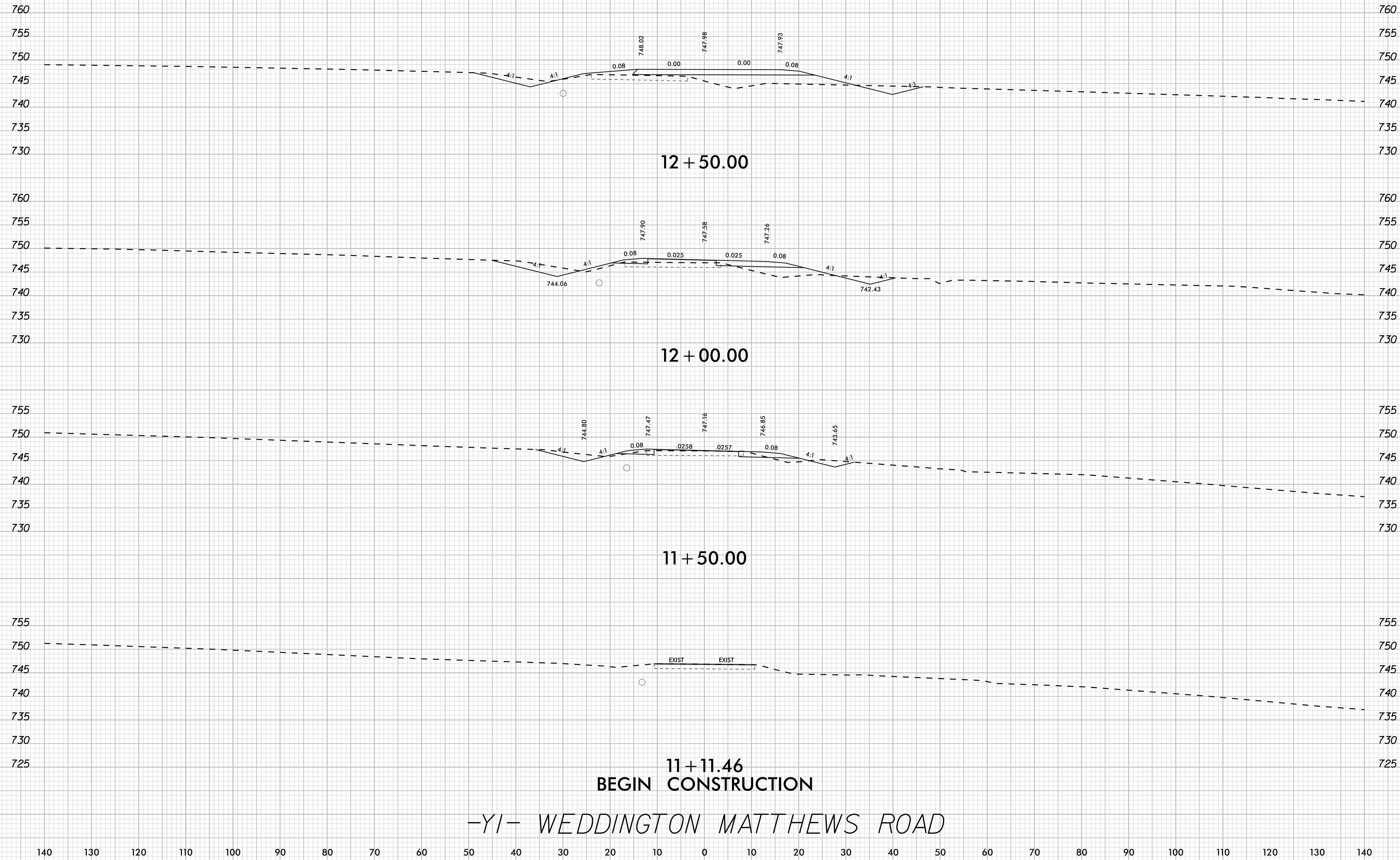


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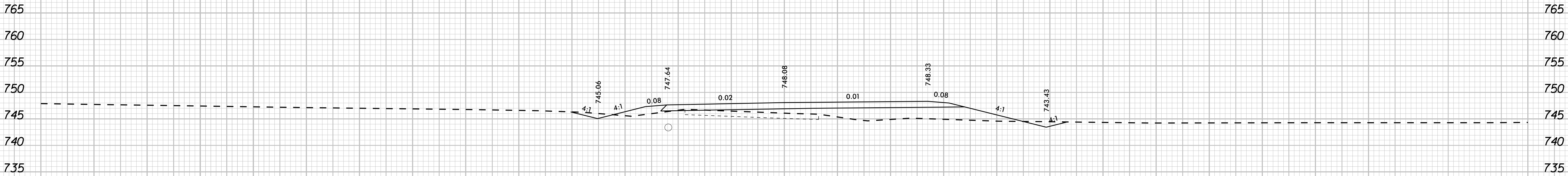
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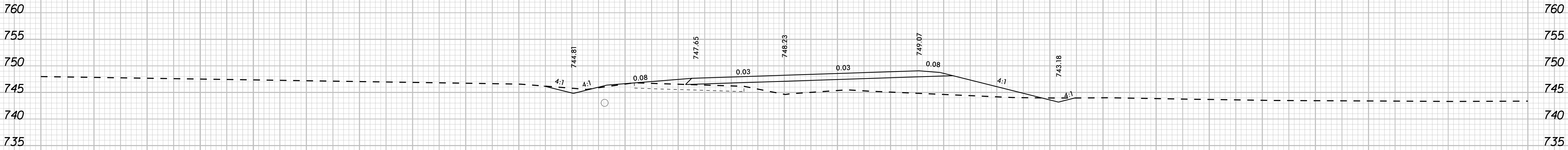
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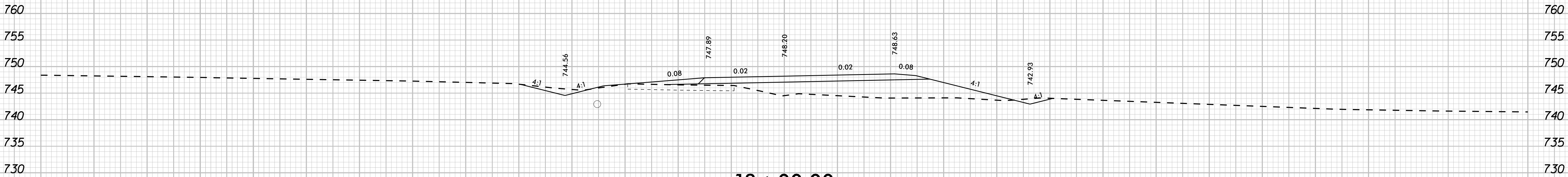
ROUNDAABOUT – SEE ROUNDAABOUT GEOMETRY SHEET, 2-C



14 + 00.00



13 + 50.00



13 + 00.00

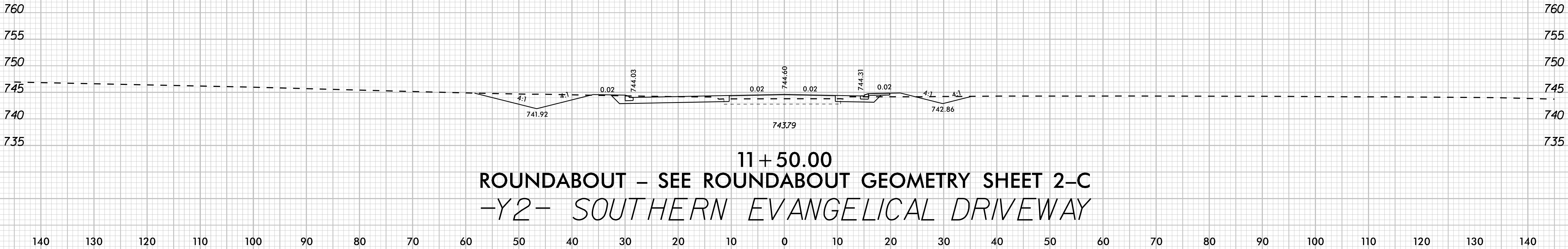
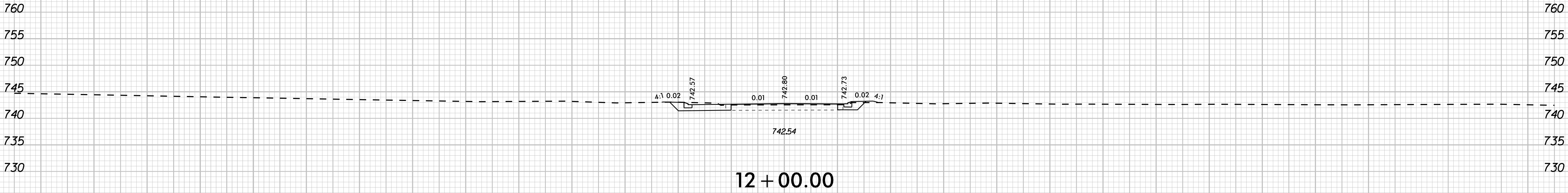
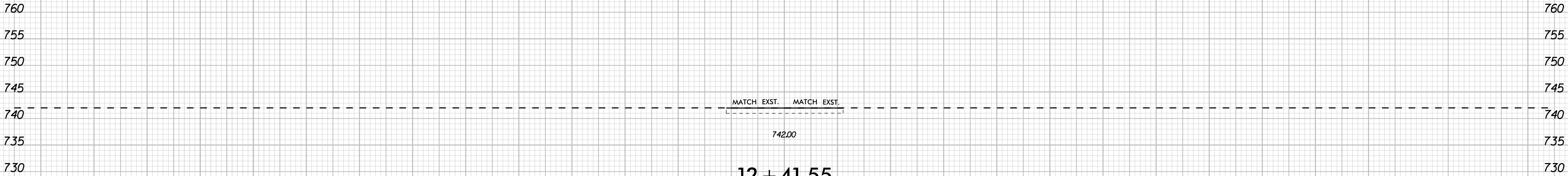
-YI- WEDDINGTON MATTHEWS ROAD

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