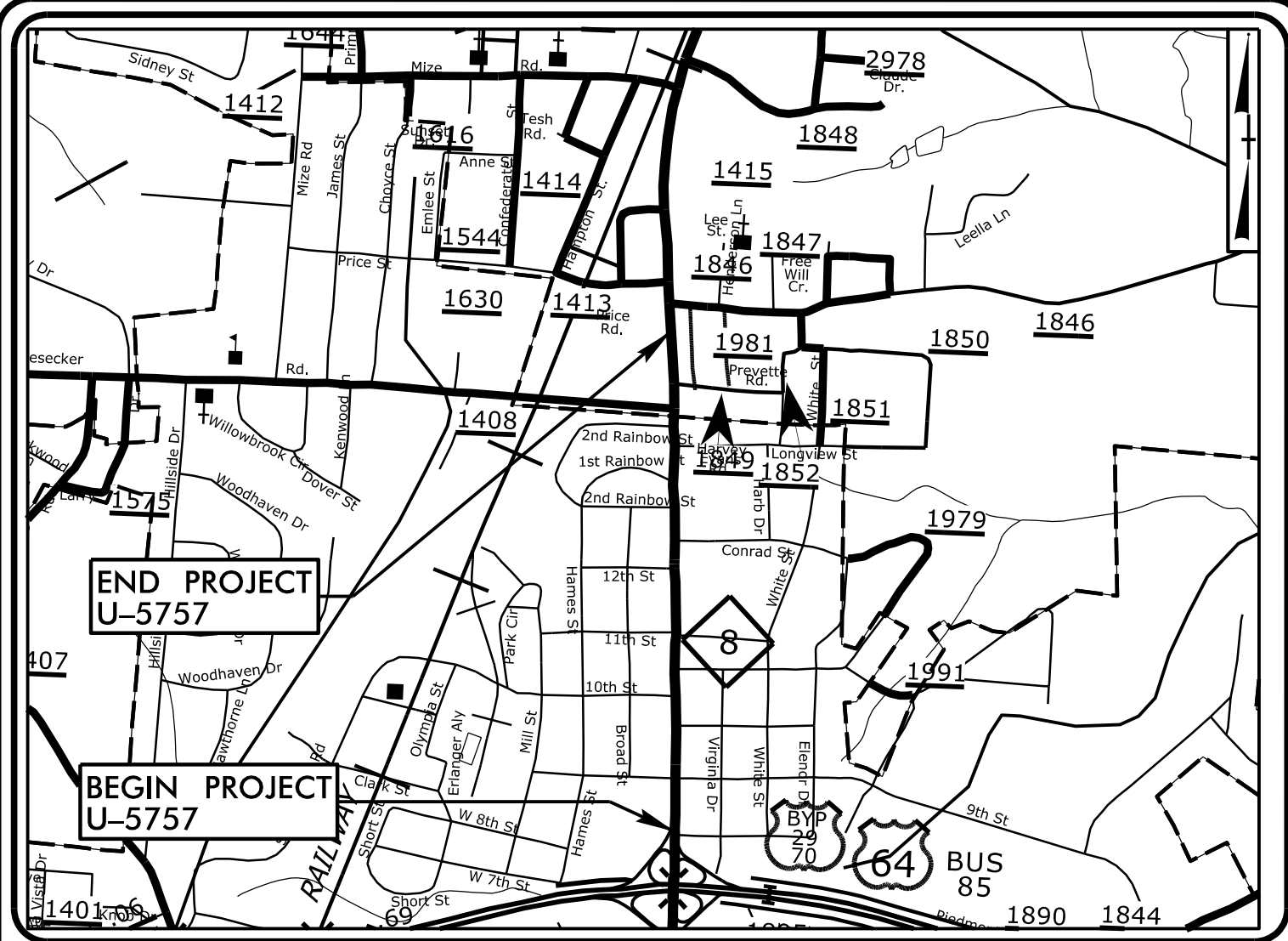


TIP PROJECT: U-5757



VICINITY MAP

NOT TO SCALE

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

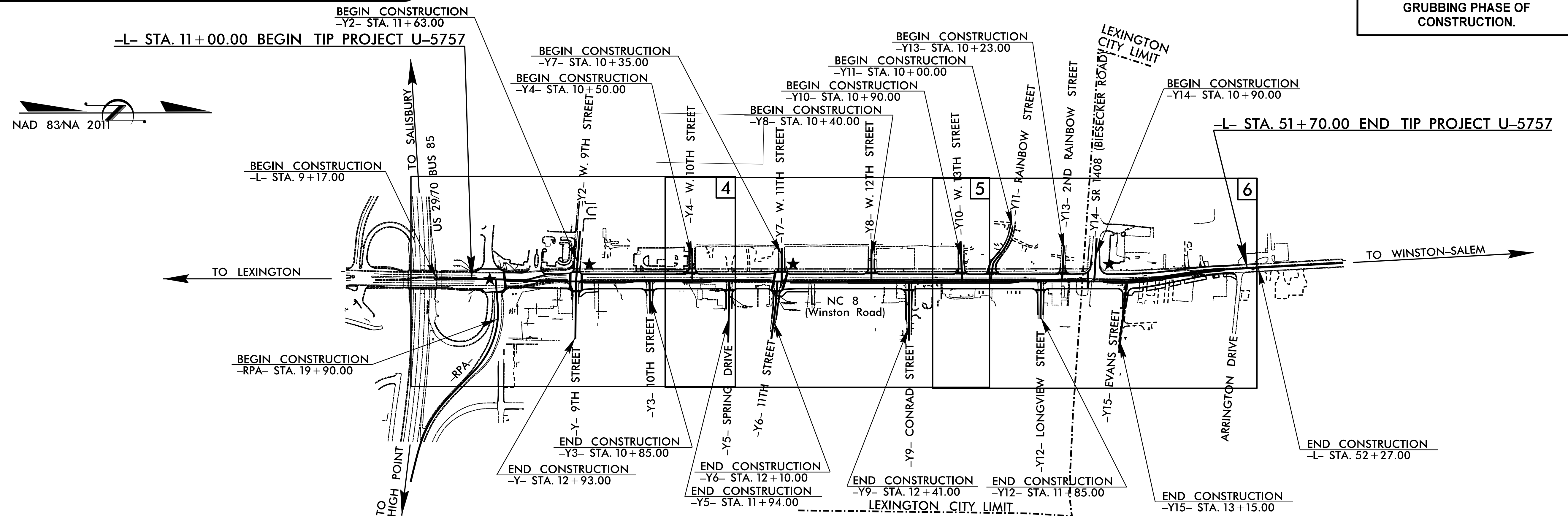
DAVIDSON COUNTY

**LOCATION: NC 8 (WINSTON ROAD) FROM US 29/US 70 TO
SR 1846 (ARRINGTON DRIVE) IN LEXINGTON**

TYPE OF WORK: GRADING, DRAINAGE, AND PAVING

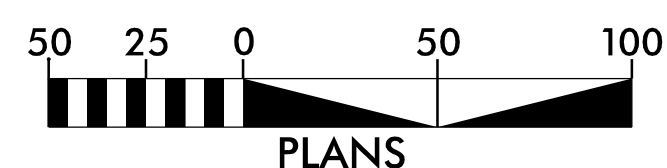
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5757	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
54035.1.1	N/A	PE	
54035.2.1	N/A	R/W & UTILITIES	
54035.3.1	N/A	CONST.	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.



A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LEXINGTON.

GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

TRANSYSTEMS

Prepared In the Office of:

TranSystems

1 Glenwood Avenue, Suite 600
Raleigh, NC 27603

Designed by:

Jonathan T. Williams, PE

4029

NAME

LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

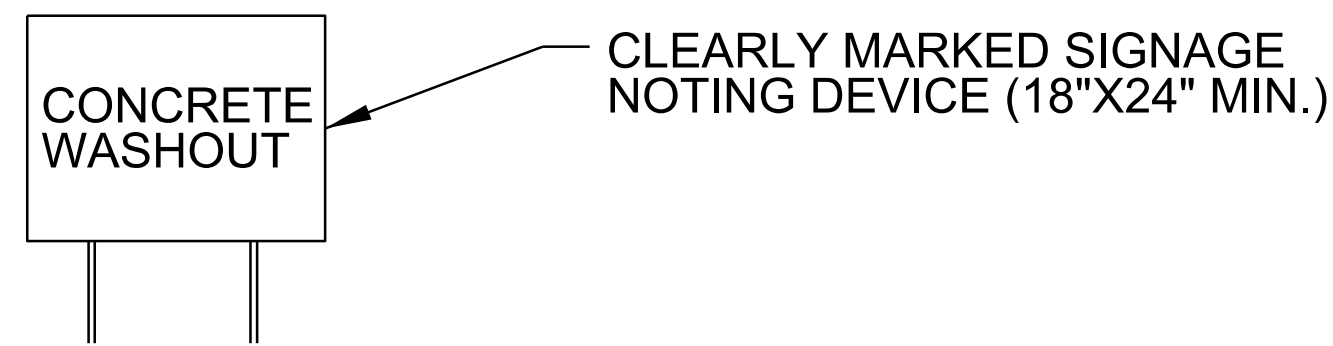
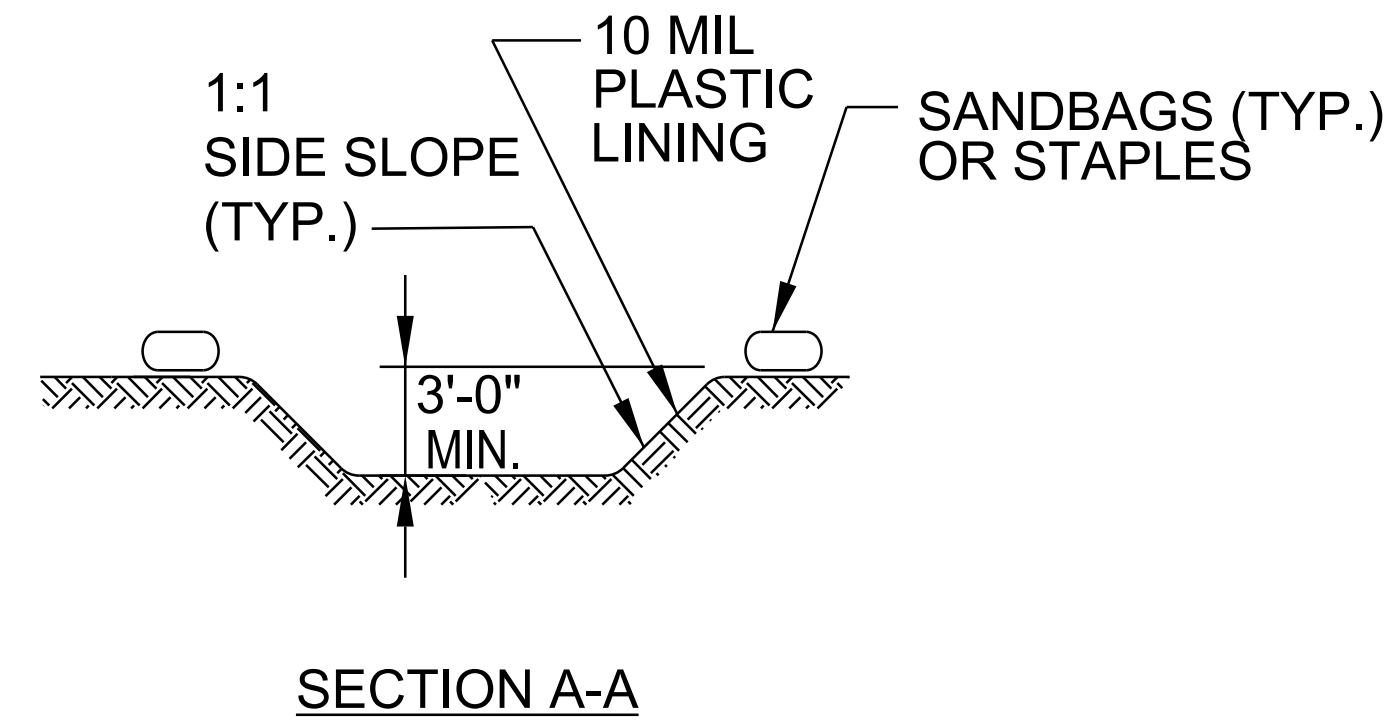
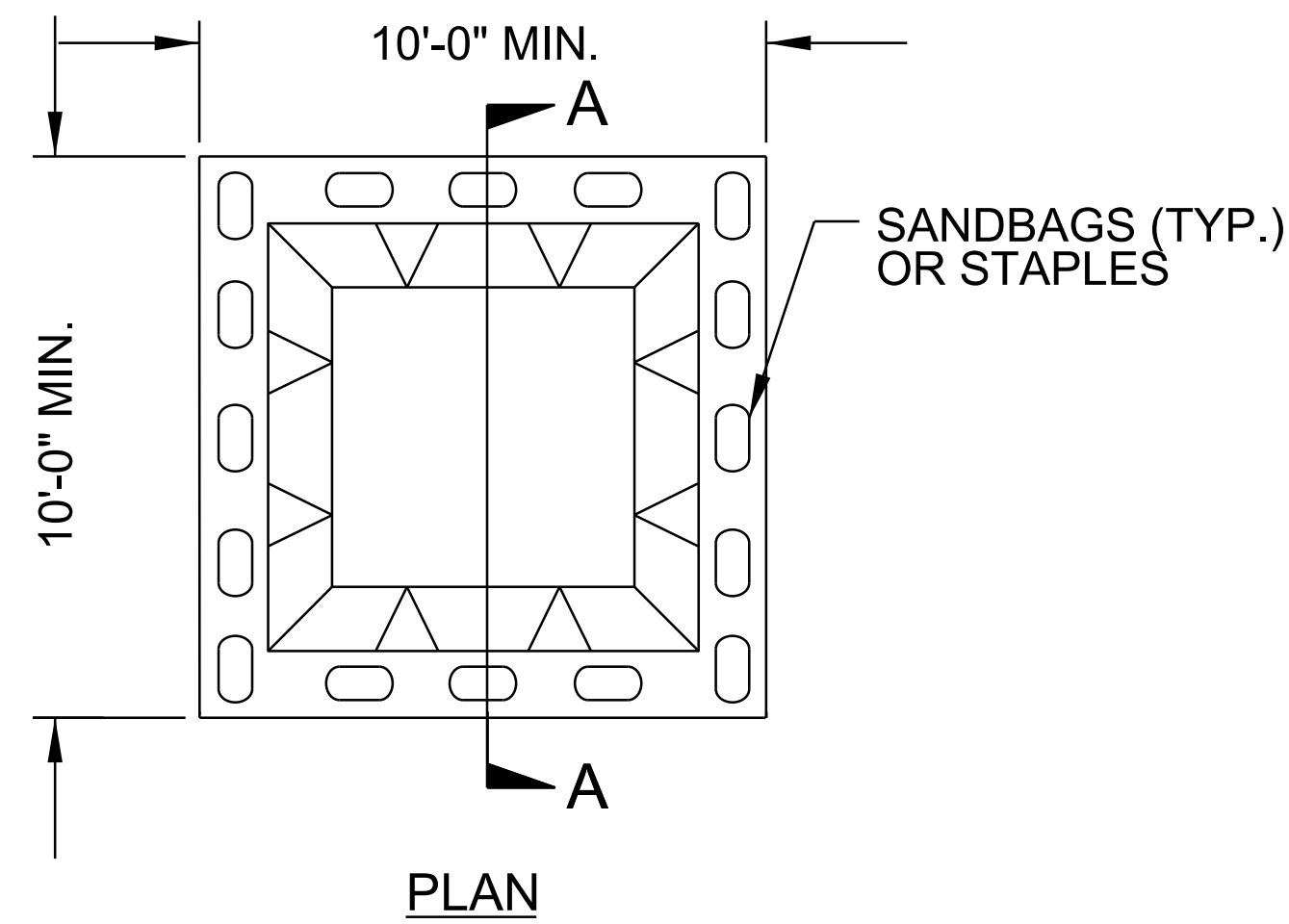
The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

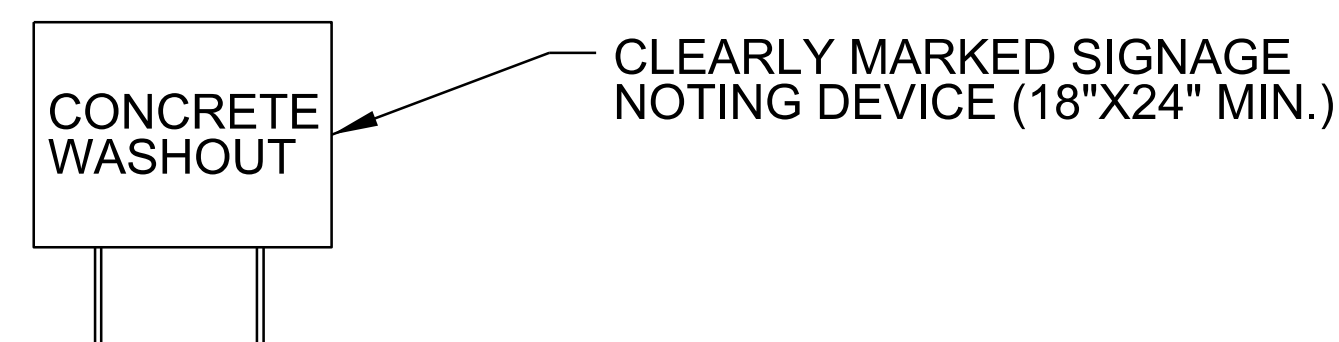
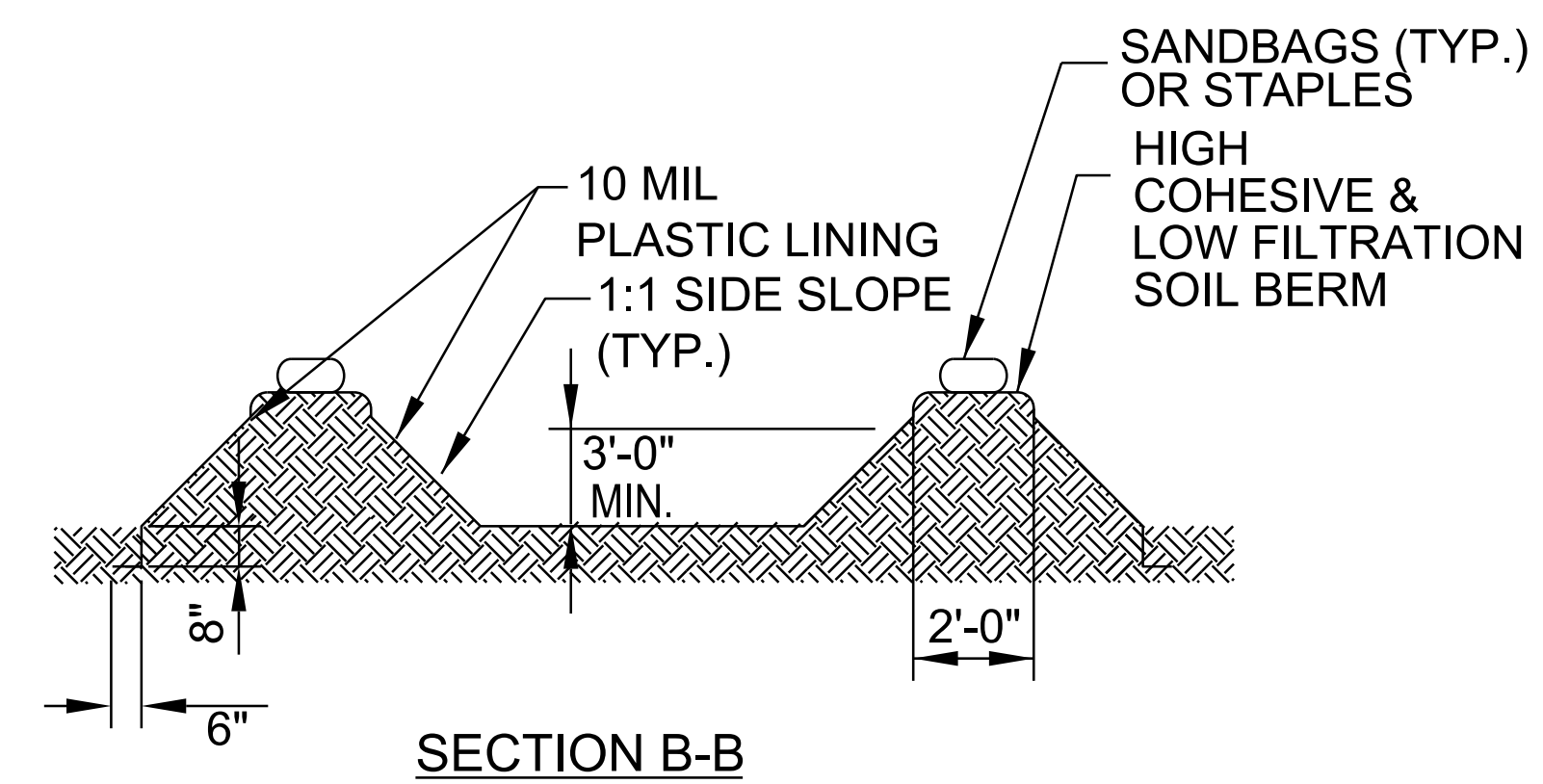
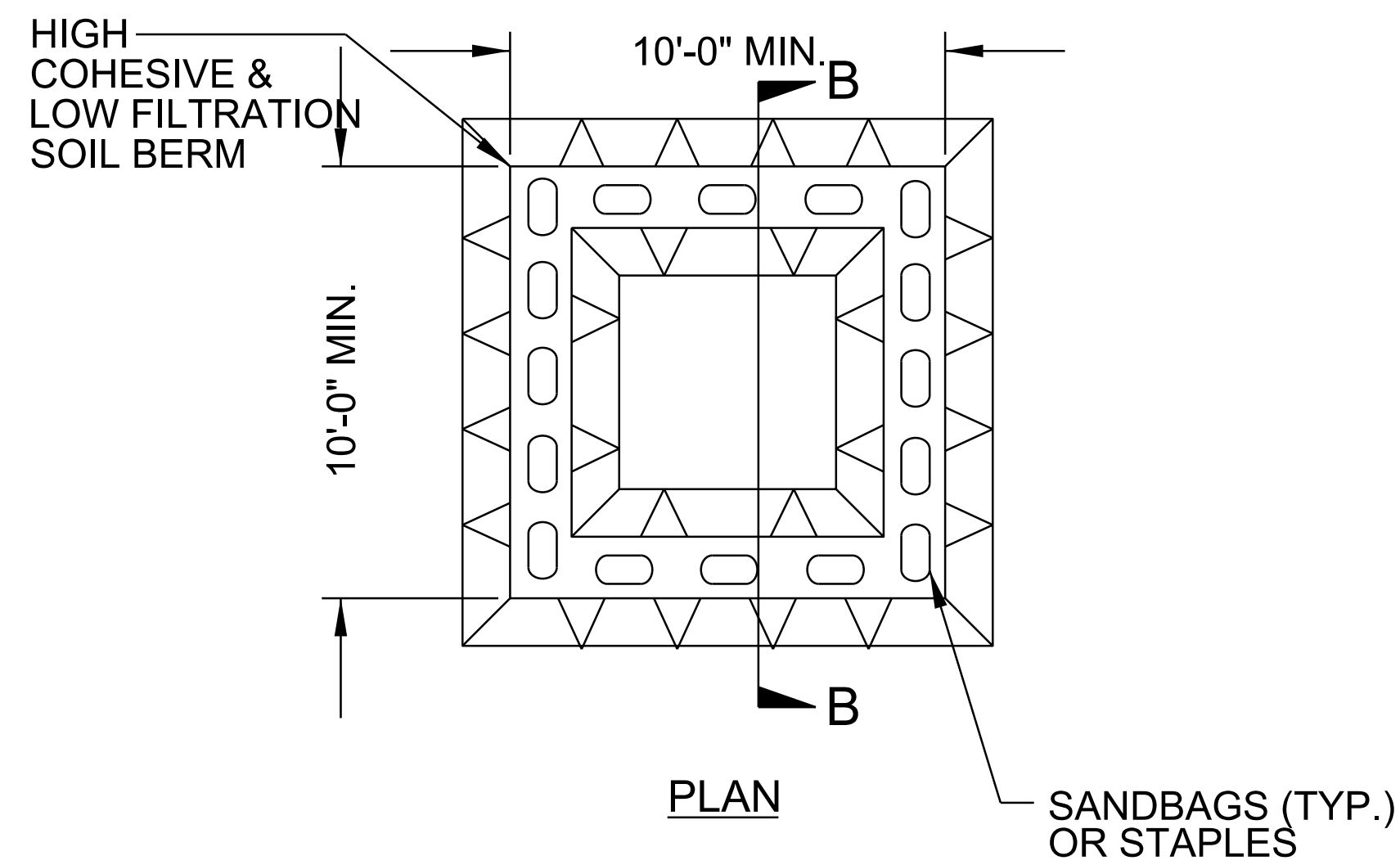
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

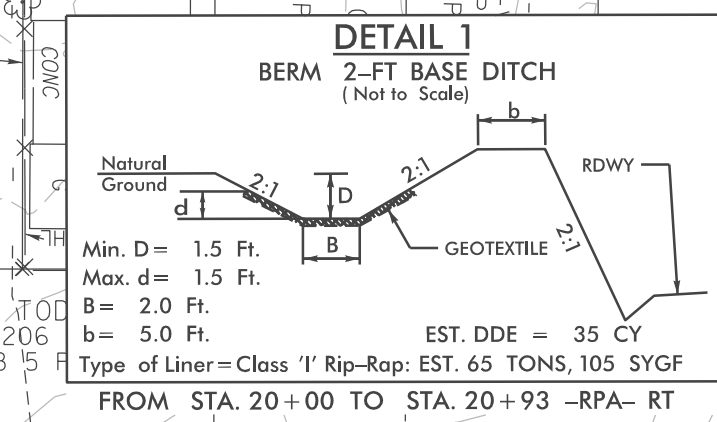
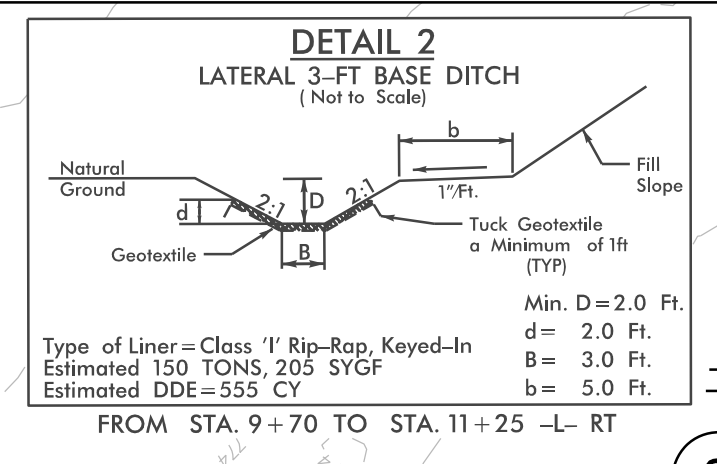
★ SIGNAL UPGRADES

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

NAD 83/NA 2011

-L-		-RPA-			
PI Sta 12+98.80 Δ = 2' 22" 08.7" (RT) D = 1' 12" 04.2" L = 197.23' T = 98.63' R = 4,770.00' SE = NC	PI Sta 15+12.06 Δ = 2' 45" 13.7" (LT) D = 1' 12" 04.2" L = 229.26' T = 114.65' R = 4,770.00' SE = NC	PIs Sta 11+97.82 Os = 8' 58" 47.7" Ls = 184.00' LT = 122.82' ST = 61.48'	PI Sta 13+24.10 Δ = 12' 39" 23.3" (RT) D = 9' 45" 38.8" L = 129.67' T = 65.10' R = 587.00'	PIs Sta 14+50.14 Os = 8' 58" 47.7" Ls = 184.00' LT = 122.82' ST = 61.48'	PI Sta 18+86.34 Δ = 48' 51" 27.8" (LT) D = 12' 54" 16.0" L = 378.61' T = 201.68' R = 444.00' SE = SEE PLANS

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C AS DIRECTED BY THE ENGINEER



BEGIN TIP PROJECT U-5757
 -L- STA. 11+00.00

BEGIN CONSTRUCTION
 -L- STA. 9+17.00

RETAIN EXISTING CURB AND GUTTER

RETAIN EXISTING CURB AND GUTTER
 -L- NC 8 (Winston Road)

BEGIN RESURFACING/MILLING
 -RPA- STA. 21+35.00

BEGIN CONSTRUCTION
 -RPA- STA. 19+90.00

BEGIN 2'-6" C&G
 -L- STA. 12+44.05 LT.

-Y2- POT Sta. 10+00.00

BEGIN CONSTRUCTION
 -Y2- STA. 11+63.00

REMOVE EXISTING SIDEWALK

END GRADE
 -Y- STA. 10+80.00

END CONSTRUCTION
 -Y- STA. 12+93.00

-Y- POT Sta. 13+00.00

BEGIN CONSTRUCTION
 -Y4- STA. 10+50.00

BEGIN GRADE
 -Y4- STA. 10+60.00
 DO NOT DISTURB PARKING LOT

-Y3- POT Sta. 10+00.00

DO NOT DISTURB SIGN

END GRADE
 -Y3- STA. 10+75.00
 END CONSTRUCTION
 -Y3- STA. 10+85.00

-Y3- POT Sta. 11+68.29

NOTE: 1.) TO MINIMIZE IMPACTS TO THE HISTORIC PROPERTY AND STONE RETAINING WALL ON THE NORTHWEST CORNER OF W. 9TH STREET AND NC 8. THE DESIGN WILL INCORPORATE OVERLAY AND MILLING. THE PROPOSED PAVEMENT WILL NEED TO TIE TO THE EXISTING C & G ALONG -Y2- STA. 11+63.00 TO STA. 12+05.44 LT. ALSO, THE -Y2- OVERLAY PAVEMENT WILL NEED TO TRANSITION TO MATCH THE PROPOSED CROSS SLOPE AT THE GRADE TIE TO -L-.
 2.) PRIOR TO COMMENCING WORK ON ANY TRENCHLESS INSTALLATION, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.

US 2970 BUS 85		W. 9TH STREET		W. 10TH STREET	
NC 8 16534 WINSTON RD. 18800	4900 5300	17000 19000	1867 2000	1467 1600	19600 22000
20134 22800	6734 7200	1067 700	734 967	367 100	NC 8 23800
2024 ADT 2040 ADT	7067 7400	23800 23800	967 1100	234 500	NC 8 23800
US 2970 BUS 85	17734 20000	2040 ADT	1734 1600	467 600	NC 8 23800



SEE SHEET 7 FOR -L- PROFILE
 SEE SHEET 8 FOR -RPA- PROFILE
 SEE SHEET 9 FOR -Y-, -Y2-, -Y3- AND -Y4- PROFILE

REVISIONS

MATCHLINE L- STA. 23+50.00
 SEE SHEET 5

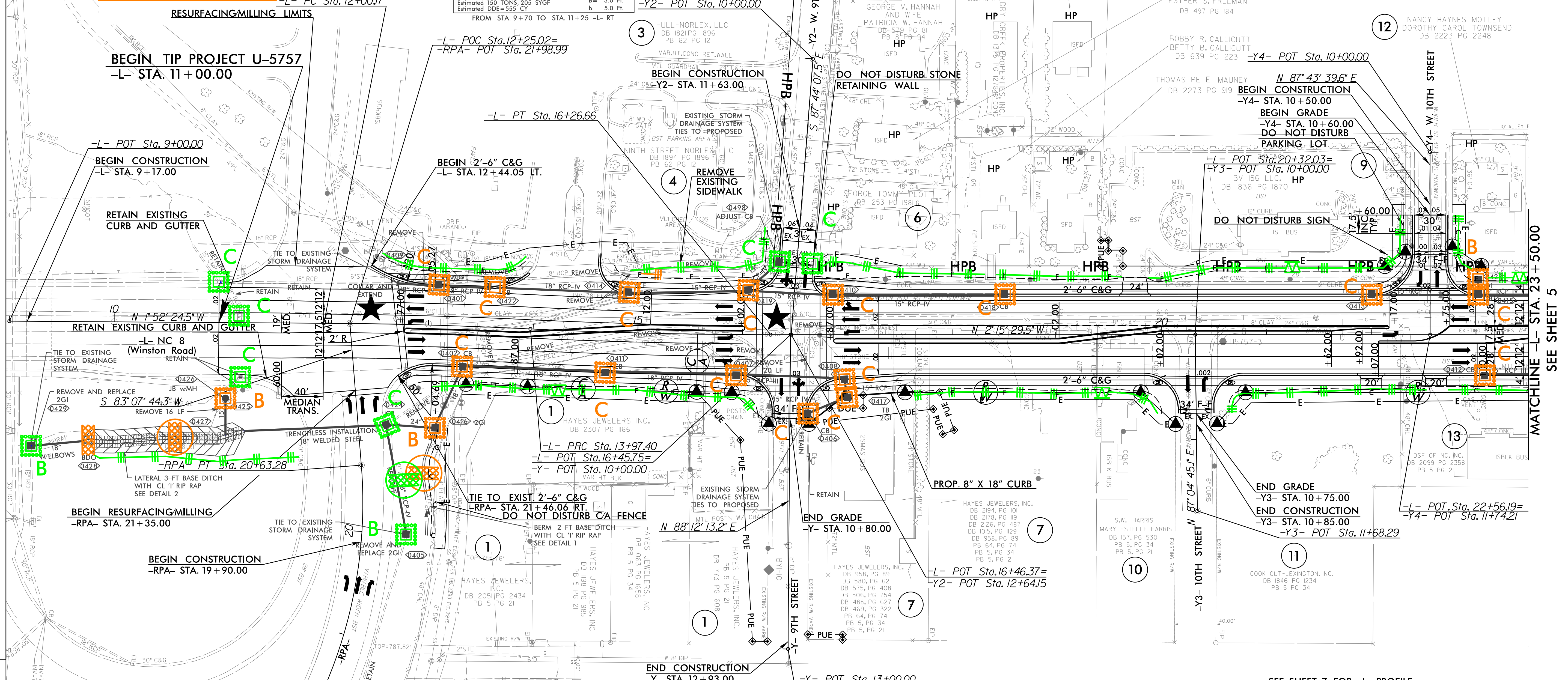
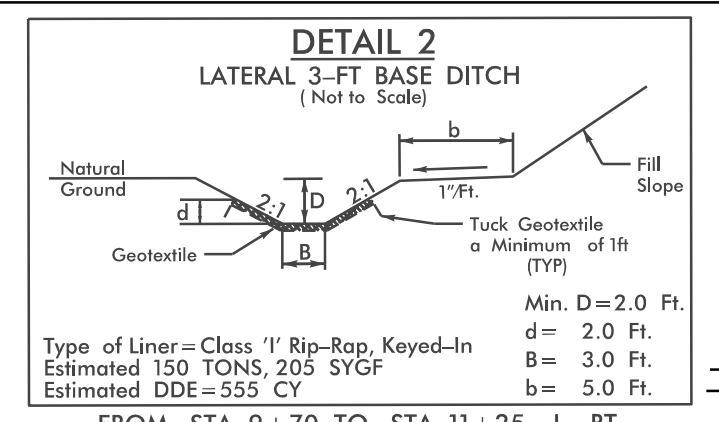
★ SIGNAL UPGRADES

NAD 83/NA 2011

-L-		-RPA-			
PI Sta 12+98.80 Δ = 2° 22' 08.7" (RT) D = 1° 12' 04.2" L = 197.23' T = 98.63' R = 4,770.00' SE = NC	PI Sta 15+20.06 Δ = 2° 45' 13.7" (LT) D = 1° 12' 04.2" L = 229.26' T = 114.65' R = 4,770.00' SE = NC	PIs Sta 11+97.82 Θs = 8° 58' 47.7" Ls = 184.00' L = 122.82' ST = 61.48'	PI Sta 13+24.10 Δ = 12° 39' 23.3" (RT) D = 9° 45' 38.8" L = 129.67' T = 65.10' R = 587.00'	PIs Sta 14+50.14 Θs = 8° 58' 47.7" Ls = 184.00' L = 122.82' ST = 61.48'	PI Sta 18+86.34 Δ = 48° 51' 27.8" (LT) D = 12° 54' 16.0" L = 378.61' T = 201.68' R = 444.00' SE = SEE PLANS

FINAL DESIGN PHASE
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

UTILIZE FABRIC INSERT INLET PROTECTION
IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C
AS DIRECTED BY THE ENGINEER



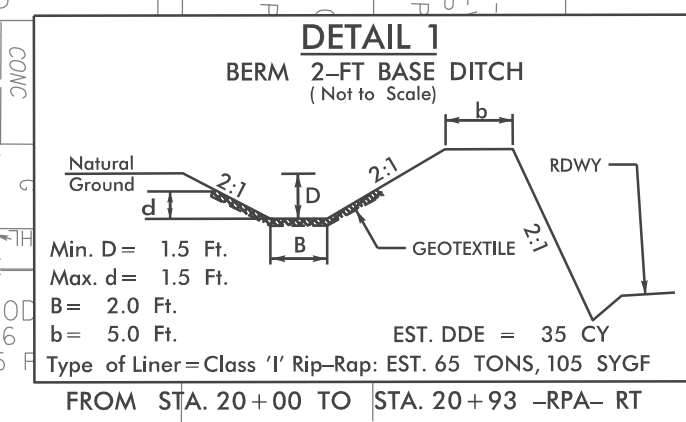
REVISIONS

SEE SHEET 5

SEE SHEET 7 FOR -L- PROFILE
SEE SHEET 8 FOR -RPA- PROFILE
SEE SHEET 9 FOR -Y-, -Y2-, -Y3- AND -Y4- PROFILE

NOTE: 1.) TO MINIMIZE IMPACTS TO THE HISTORIC PROPERTY AND STONE RETAINING WALL ON THE NORTHWEST CORNER OF W. 9TH STREET AND NC 8. THE DESIGN WILL INCORPORATE OVERLAY AND MILLING. THE PROPOSED PAVEMENT WILL NEED TO TIE TO THE EXISTING C & G ALONG -Y2- STA. 11+63.00 TO STA. 12+05.44 LT. ALSO, THE -Y2- OVERLAY PAVEMENT WILL NEED TO TRANSITION TO MATCH THE PROPOSED CROSS SLOPE AT THE GRADE TIE TO -L-.

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US 29/70 BUS 85		W. 9TH STREET		W. 10TH STREET	
NC 8 16534	4200	1067	1867	967	1467
WINSTON RD. 18800	4900	800	2000	1500	1600
	6734	734	1200	367	1000
	2200	700	23800	234	22000
	5700	500	23800	500	100
	7067	967		100	
	7400	1100		467	
	17734	1734		600	
	20000	1600			
	2040 ADT	2040 ADT			
	US 29/70 BUS 85	9TH STREET		10TH STREET	

5' CONC. SIDEWALK AND CONCRETE ISLAND

HP HISTORIC PROPERTY

