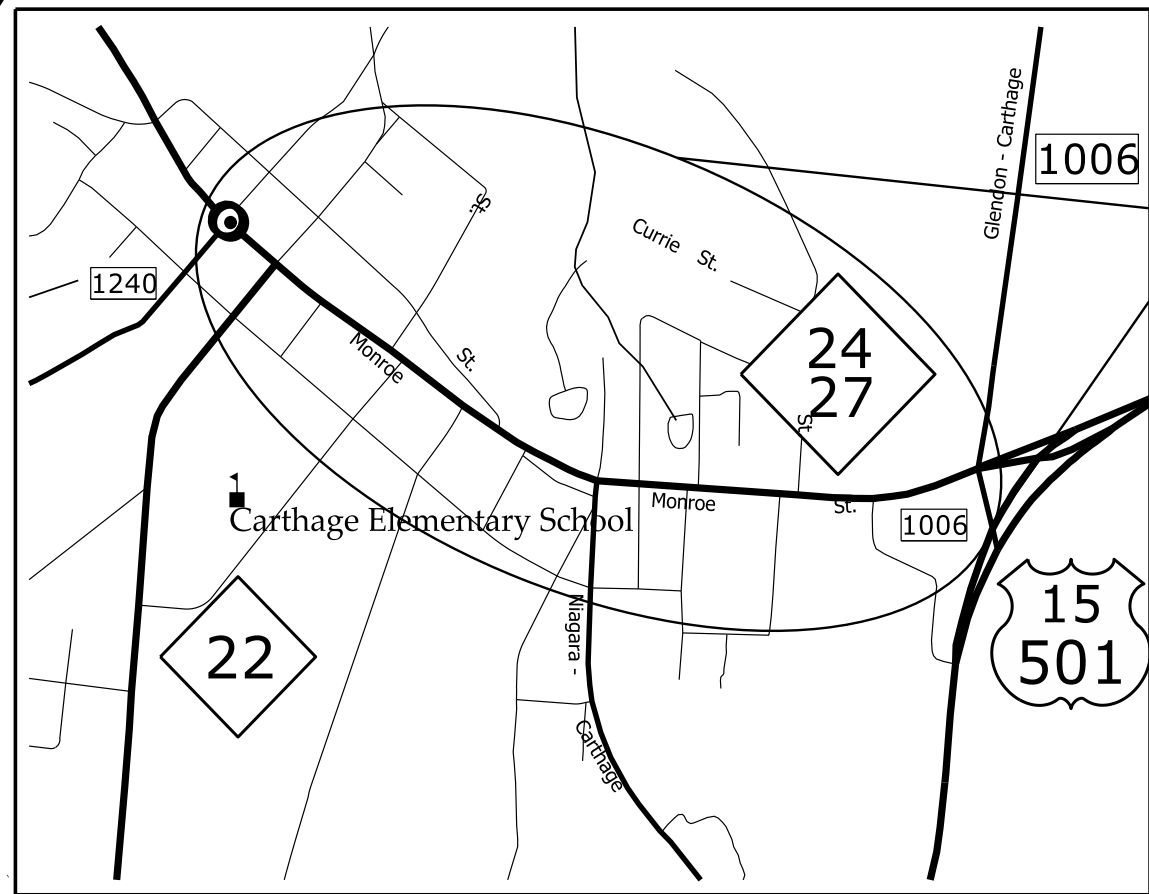


TIP PROJECT: U-3628



VICINITY MAP

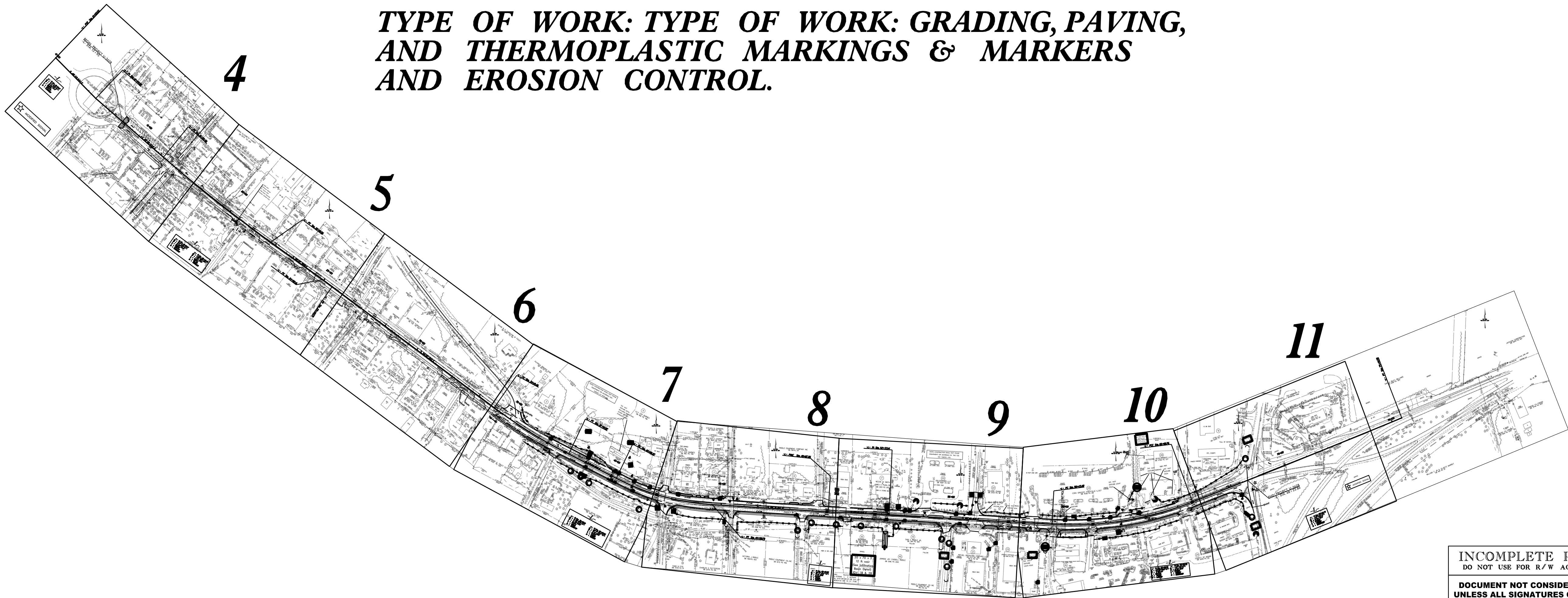
PROJECT
LOCATION

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

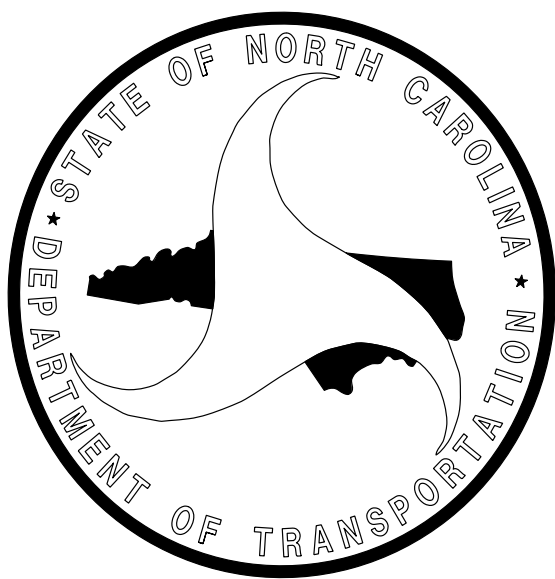
MOORE COUNTY

LOCATION: NC 24-27 (MONROE STREET) WEST OF
NC 22 TO US 15 /501 IN CARTHAGE

TYPE OF WORK: TYPE OF WORK: GRADING, PAVING,
AND THERMOPLASTIC MARKINGS & MARKERS
AND EROSION CONTROL.



INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



Prepared By:
Michael Trotter
Level III A #3149
December 31, 2025
PROJECT CONTACTS:
District Engineer
Dago Pozos, PE
Design & Construct Engineer
Michael RicKetts, PE
Resident Engineer
Cary Fine, PE

PROJECT LENGTH
ROADWAY: 1.028 MILES
STRUCTURE: MILES
TOTAL: 1.028 MILES

Prepared in the Office of:
DIVISION EIGHT
DIVISION DESIGN & CONSTRUCT UNIT
121 DOT DRIVE
CARTHAGE, NC 28327
2024 STANDARD SPECIFICATIONS

Roadway Standard Drawings
The following roadway ENGLISH standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.
1605.01 Temporary Silt Fence
1606.01 Special Sediment Control Fence
1622.01 Temporary Berms and Slope Drains
1630.01 Riser Basin
1630.02 Silt Basin Type B
1630.03 Temporary Silt Ditch
1630.04 Stilling Basin
1630.05 Temporary Diversion
1632.01 Rock Inlet Sediment Trap Type A
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A
1633.02 Temporary Rock Silt Check Type B
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
1636.01 Rock Silt Screen

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-3628	EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

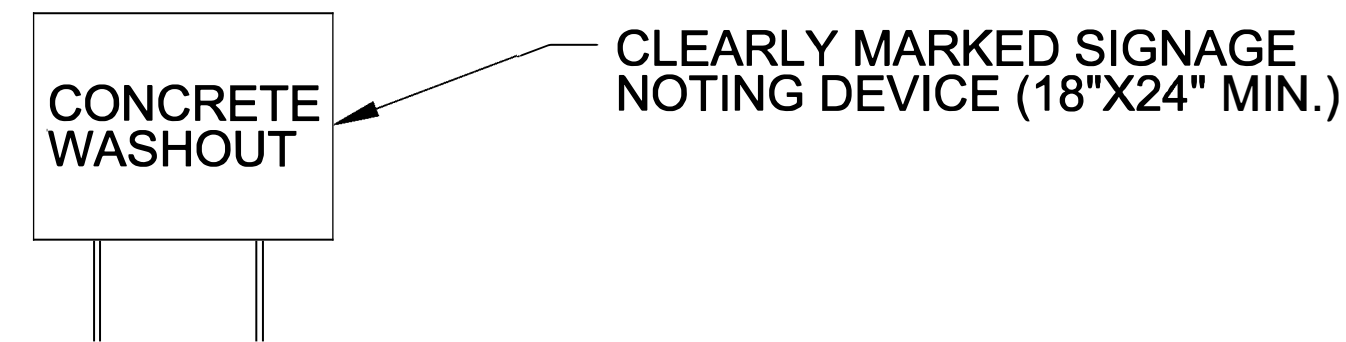
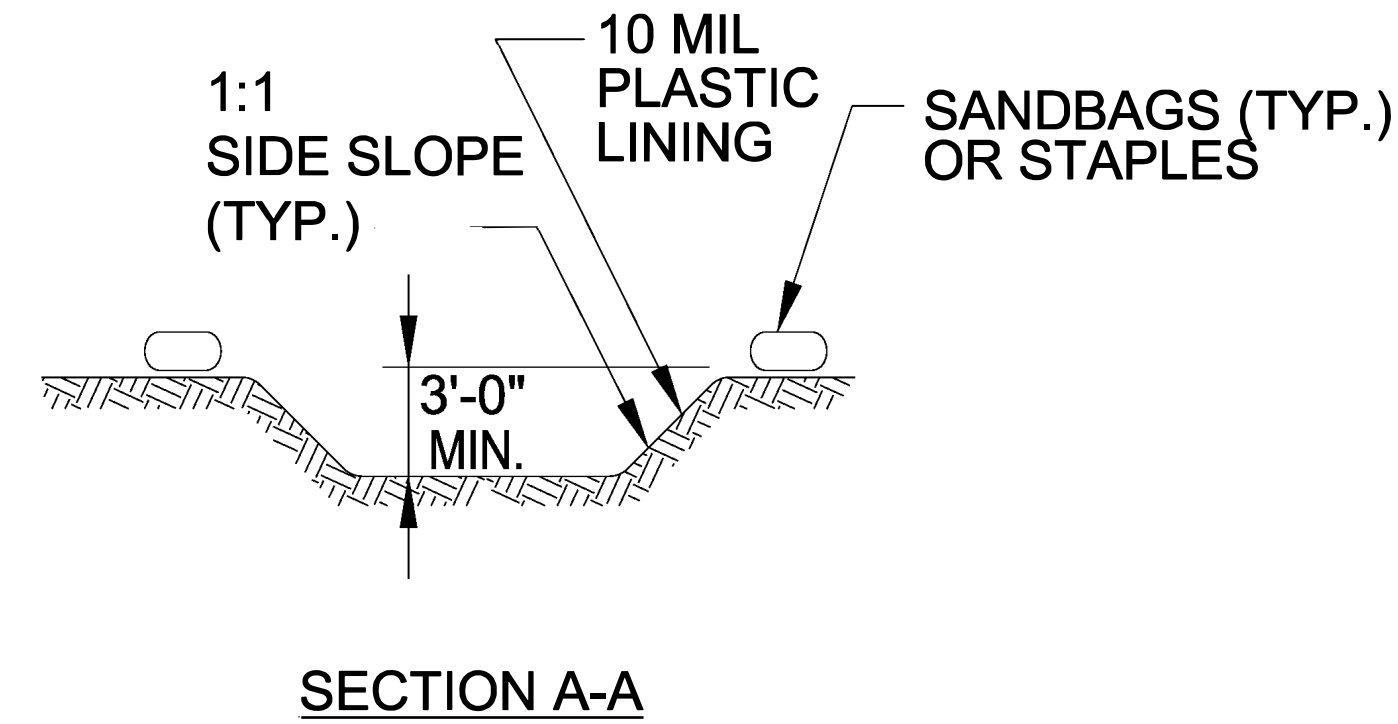
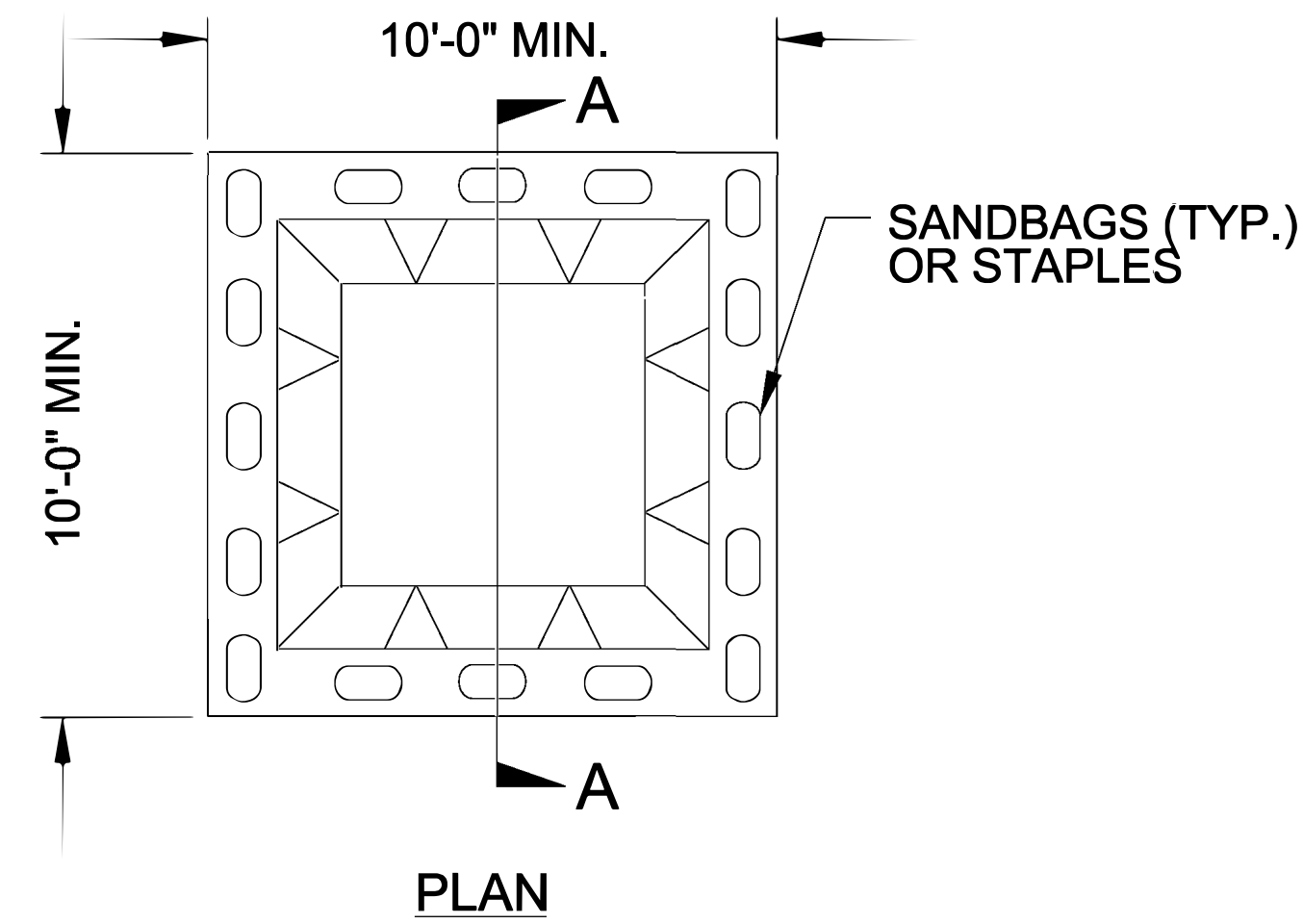
EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
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	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

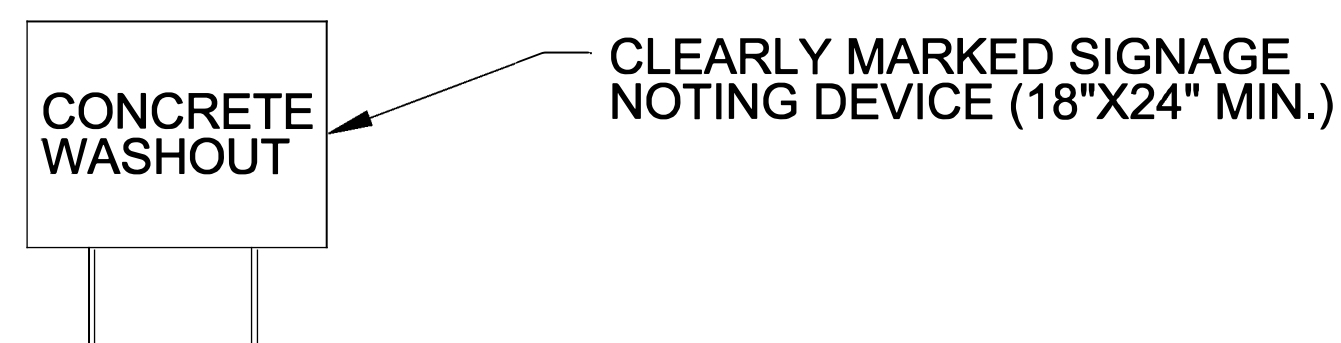
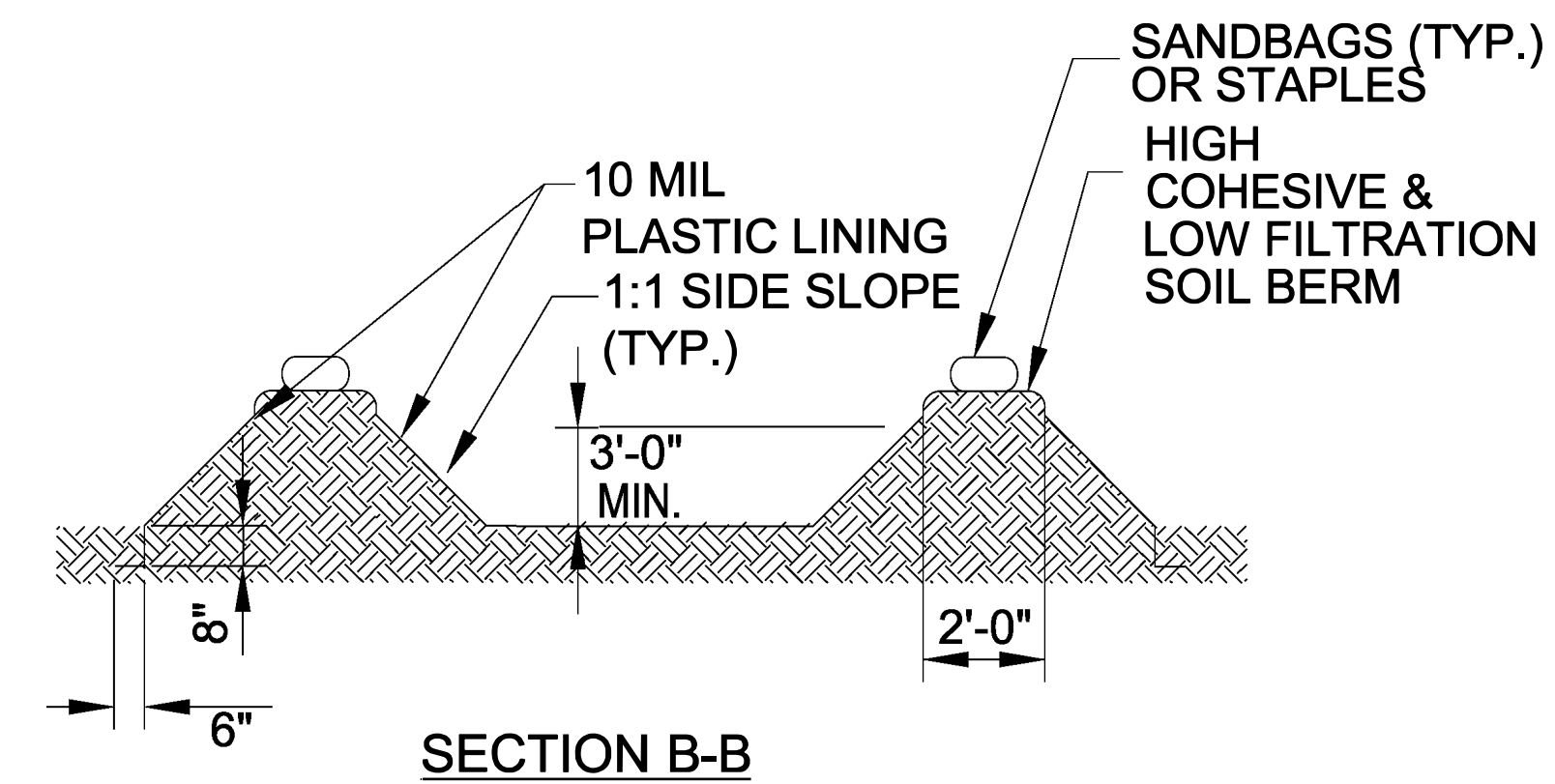
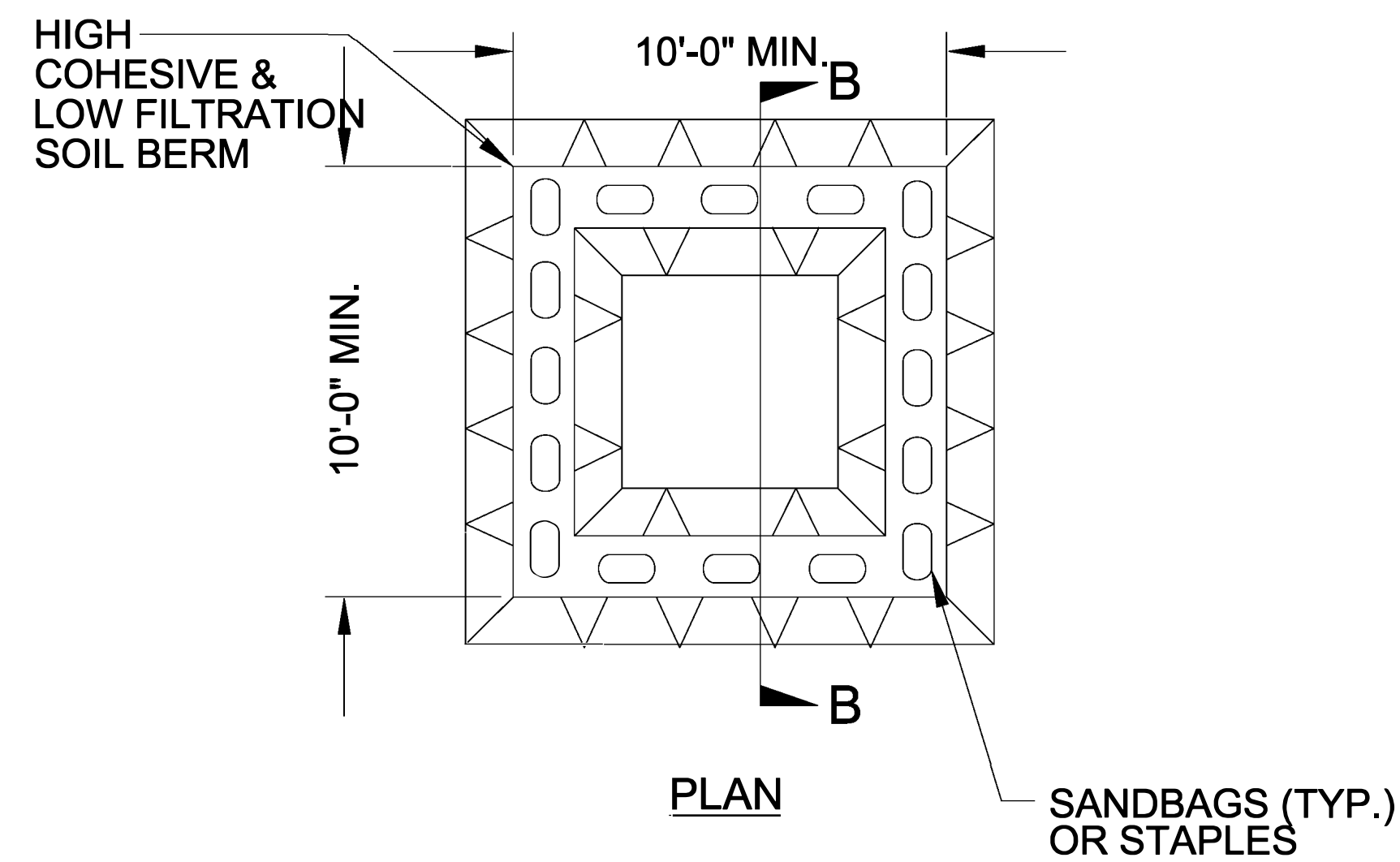
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
U-3628	EC-02A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

[illegible]

MATTING FOR EROSION CONTROL

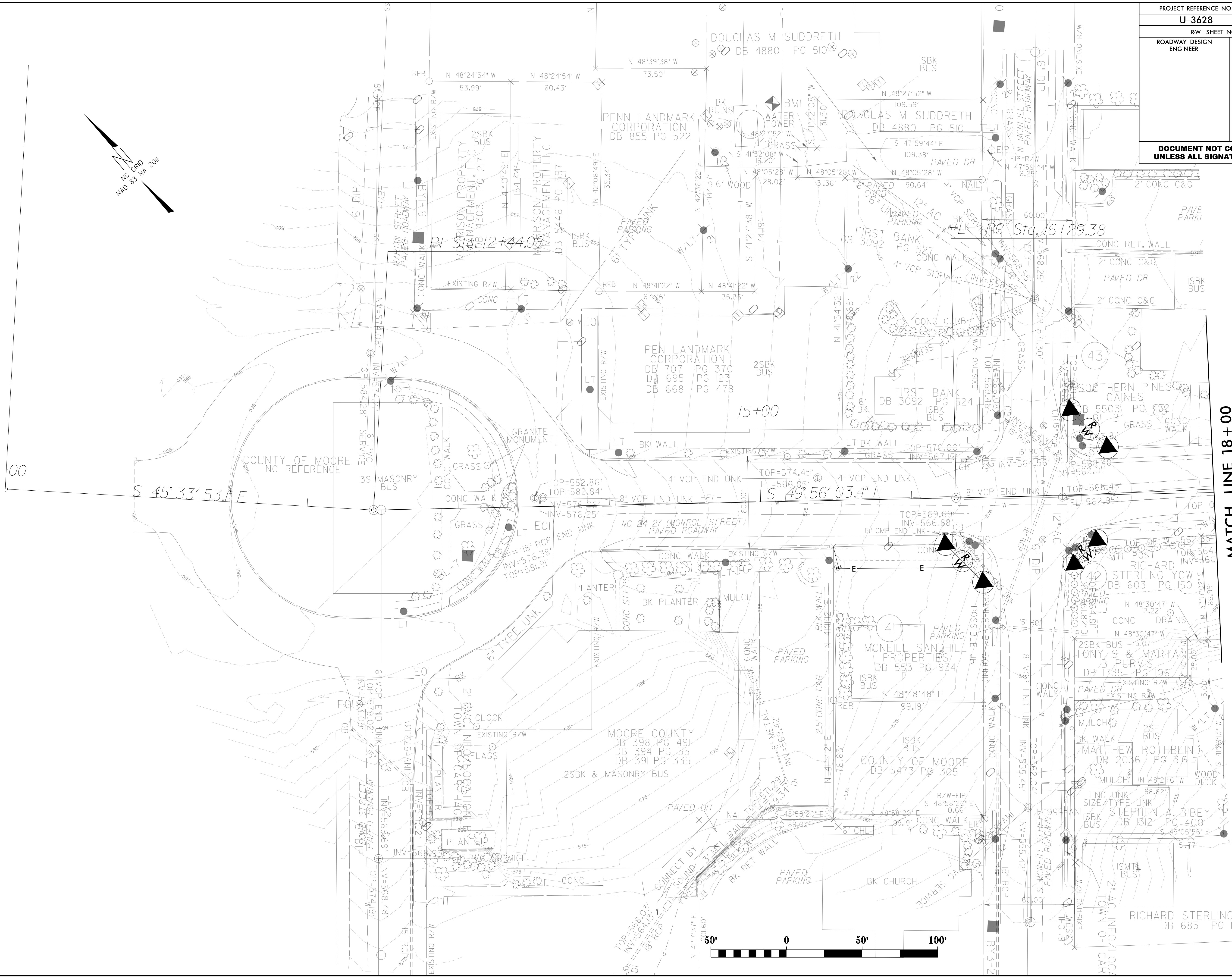
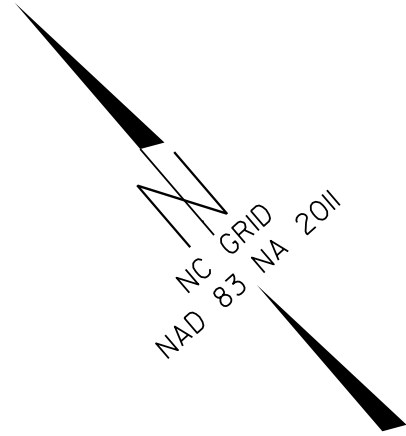
[illegible]

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.

REVISIONS



MATCH LINE 18+00

PROJECT REFERENCE NO.		SHEET NO.
U-3628		EC-4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

8/17/99

DONNA ELIZABETH TANNER
DB 5579 PG 268

ROKEN ARROW INVESTMENTS, LLC
DB 5735 PG 476

SOUTHERN PINES
GAINES
DB 5503 PG 432

KEITH'S INCORPORATED
DB 534 PG 667

JACKSON
CORPORATION
DB 1320 PG 531

THE KUBBARD INC
DB 1000 PG 321

MICHAEL T &
MARY STANLEY
DB 740 PG 241

MICHAEL T STANLEY
DB 432 PG 873

JAMES MICHAEL &
SHEREE KELLY
DB 765 PG 532

SPENCER ROLAND
GILLIAM
DB 838 PG 515

MOORE COUNTY
DB 1128 PG 292
DB 1177 PG 300

RONALD & DELIA GRAY
DB 1554 PG 132
DB 4068 PG 305
DB 645 PG 403

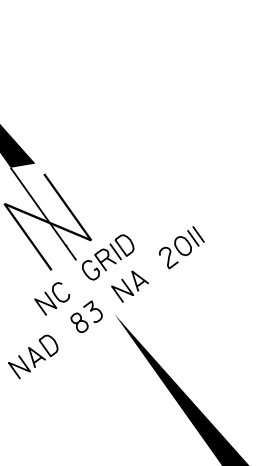
QUIDA S NEWELL
DB 4158 PG 110

QUIDA S NEWELL
DB 1257 PG 470

HURLEY JR &
RHONDA THOMPSON
DB 1021 PG 415

-L-
-L- PT Sta. 19+24.17
Δ = 5' 11" 36.5" (LT)
D = 0' 52" 53.3"
L = 589.18'
T = 294.79'
R = 6,500.00'

-L- PT Sta. 25+18.48
Δ = 1' 00" 18.9" (RT)
D = 1' 54" 35.5"
L = 52.63'
T = 26.32'
R = 3,000.00'



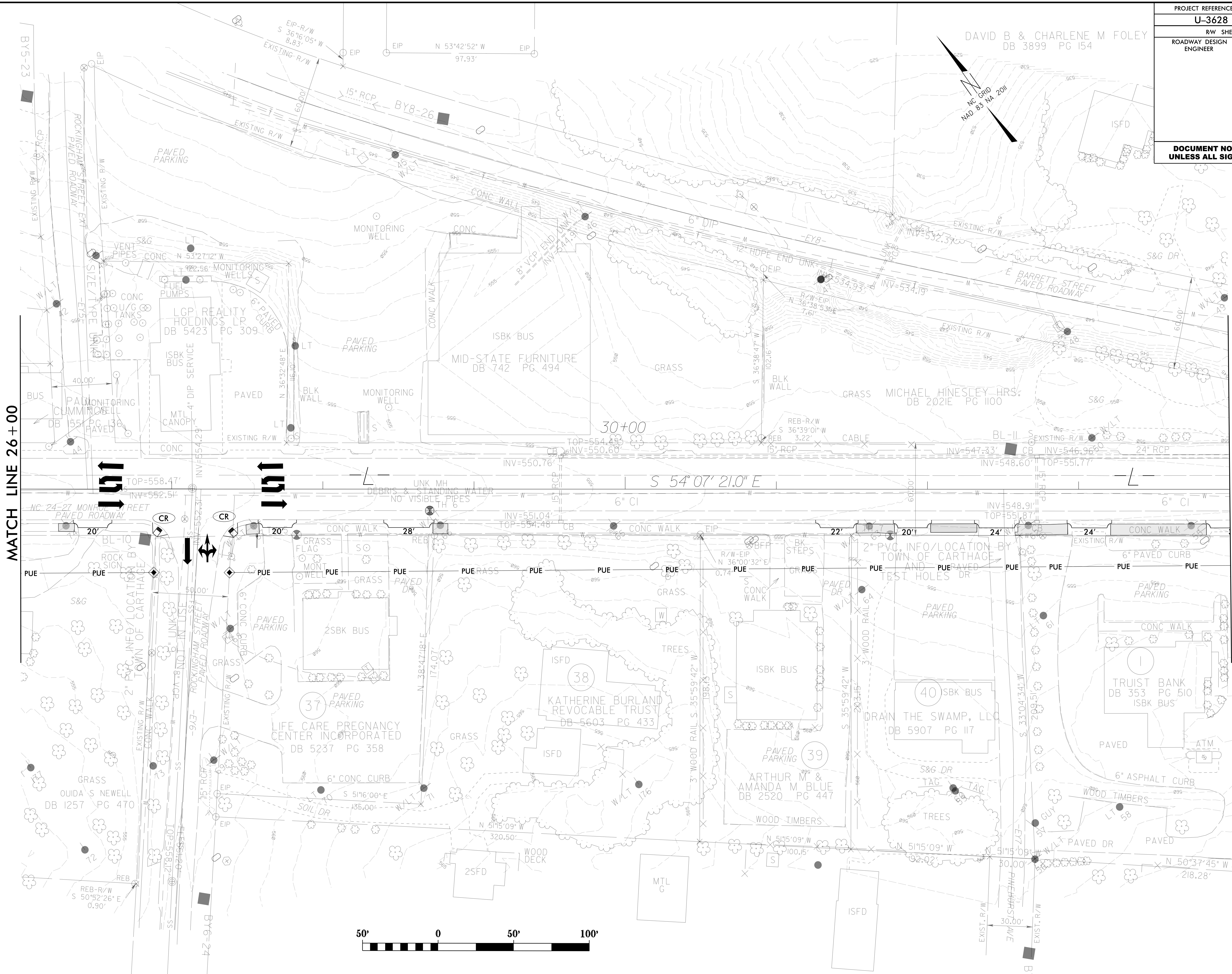
PROJECT REFERENCE NO.		SHEET NO.
U-3628		EC-5
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

REVISIONS	
06-JUN-2025 15:04 Z:\rdy\moore\U-3628.nc24-27\us15-501\psm\ecp\mentakett AT 11008-3300841	U-3628.nc24-27.EC-5.dgn

MATCH LINE 18+00

MATCH LINE 26+00

REVISIONS	

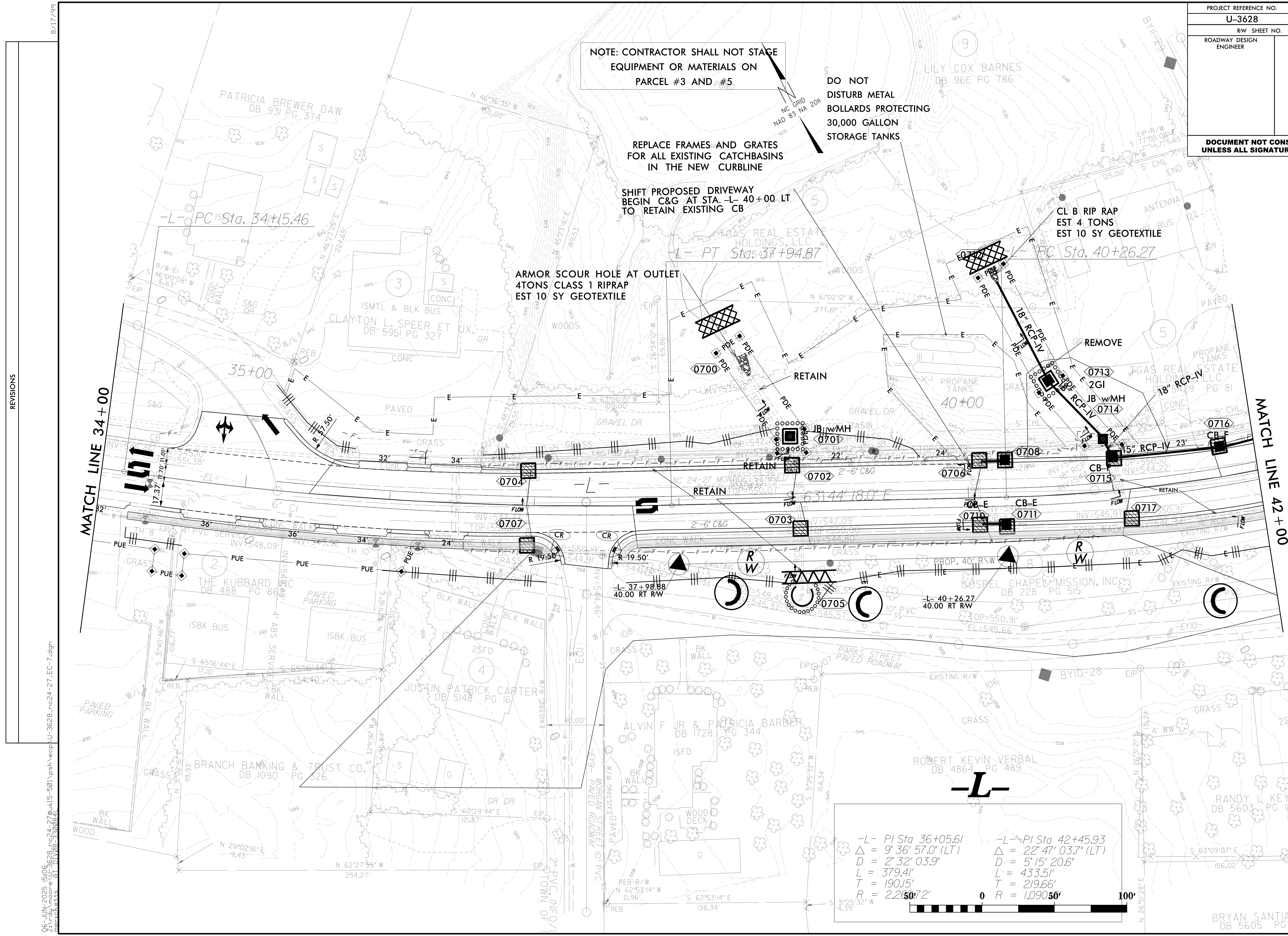


DAVID B & CHARLENE M FOLEY
DB 3899 PG 154

NC 0910
NAD 83 VA 2011

PROJECT REFERENCE NO.		SHEET NO.
U-3628		EC-6
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		







GRAVEL

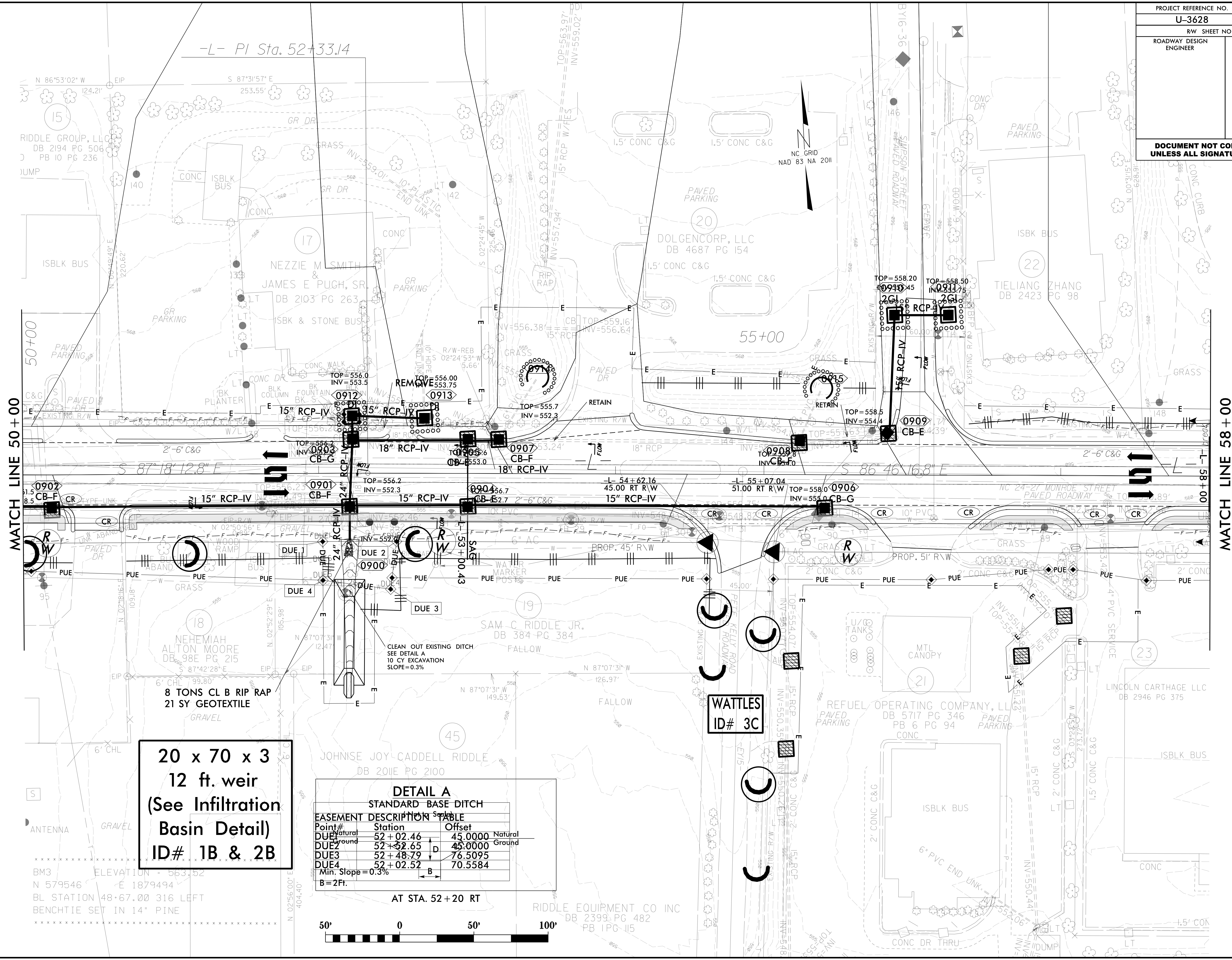
-L- PI Sta 42+45.93
 $\Delta = 22^\circ 47' 03.7''$ (LT)
 $D = 5^\circ 15' 20.6''$
 $L = 433.51'$
 $T = 219.66'$
 $R = 1,090.16'$

A graphic scale bar with markings at 50', 0, 50', and 100'.

REVISIONS

06-JUN-2025 15:06
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merickets AT DIV08-330084L

8/17/99



20 x 70 x 3
12 ft. weir
(See Infiltration
Basin Detail)
ID# 1B & 2B

DETAIL A

STANDARD BASE DITCH

EASEMENT	DESCRIPTION	POINT	STATION	OFFSET	NATURAL GROUND
DUE1	↑	Point#	52 + 02.46	45.0000	↑
DUE2	↓	Station	52 + 52.65	45.0000	↓
DUE3	↑	Station	52 + 48.79	76.5095	↑
DUE4	↓	Station	52 + 02.52	70.5584	↓

Min. Slope = 0.3%

B = 2Fr.

AT STA. 52 + 20 RT

AT STA. 52+20 RT

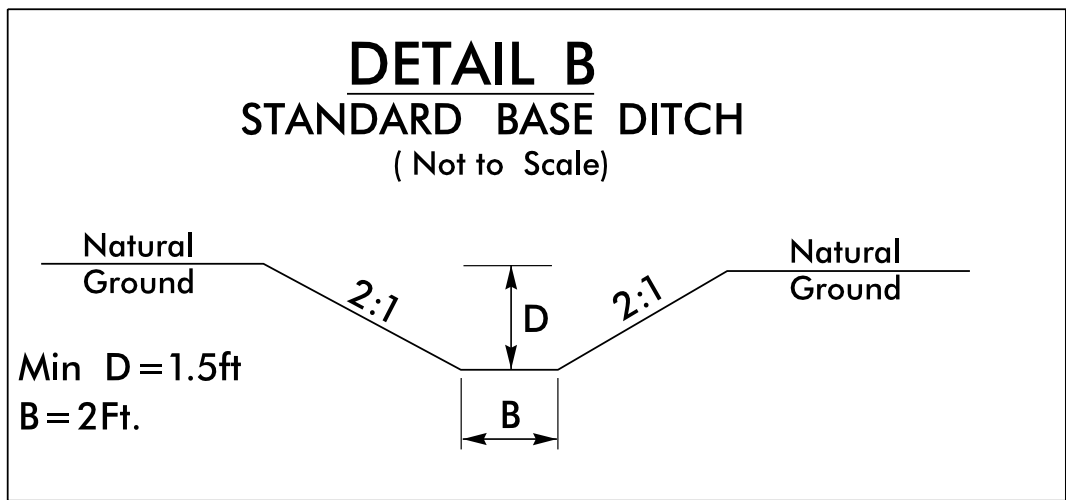


REVISIONS

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8/17/99

REVISIONS



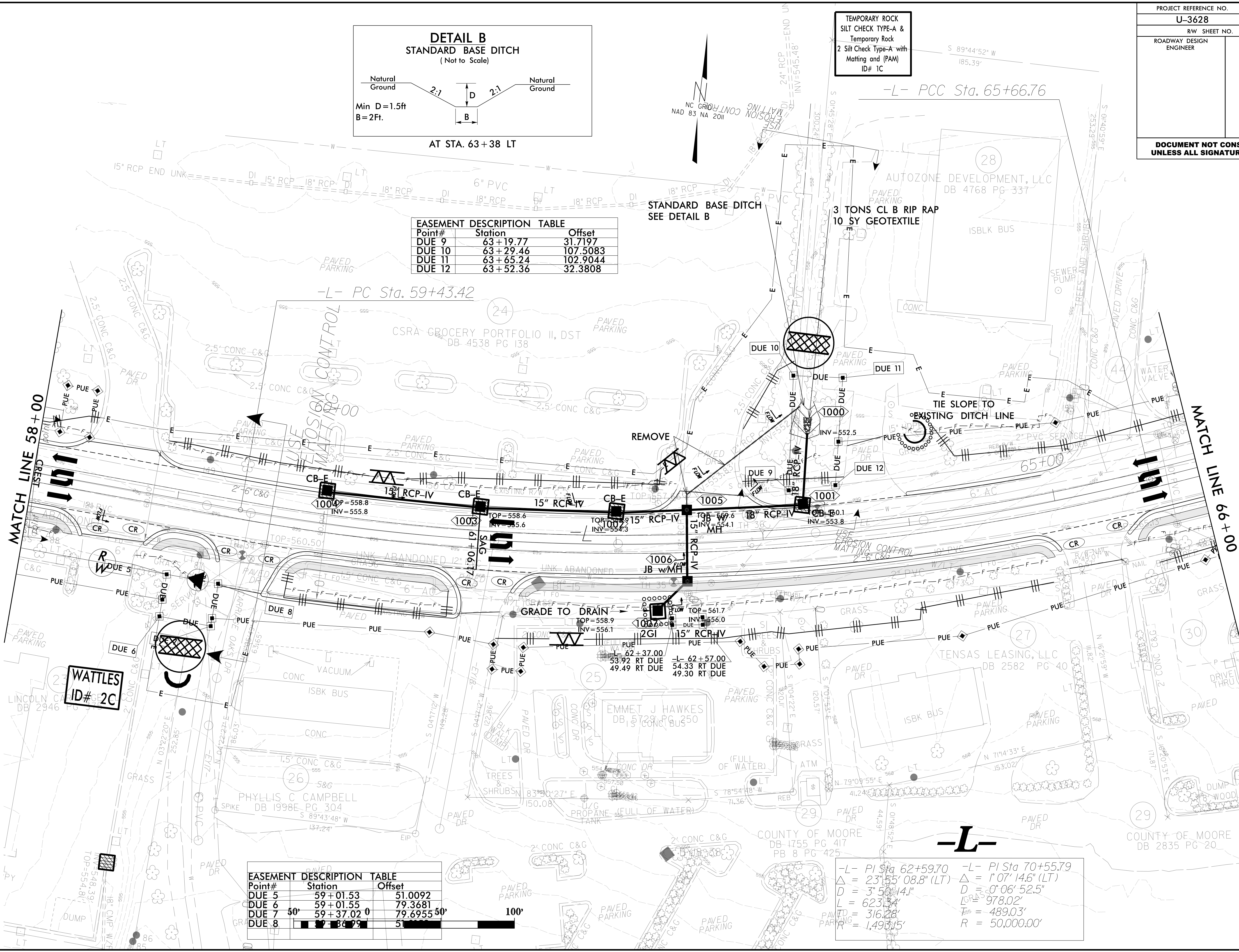
AT STA. 63+38 LT

EASEMENT DESCRIPTION TABLE		
Point#	Station	Offset
DUE 9	63+19.77	31.7197
DUE 10	63+29.46	107.5083
DUE 11	63+65.24	102.9044
DUE 12	63+52.36	32.3808

STANDARD BASE DITCH
SEE DETAIL B

TEMPORARY ROCK
SILT CHECK TYPE-A &
Temporary Rock
2 Sil Check Type-A with
Matting and (PAM)
ID# 1C

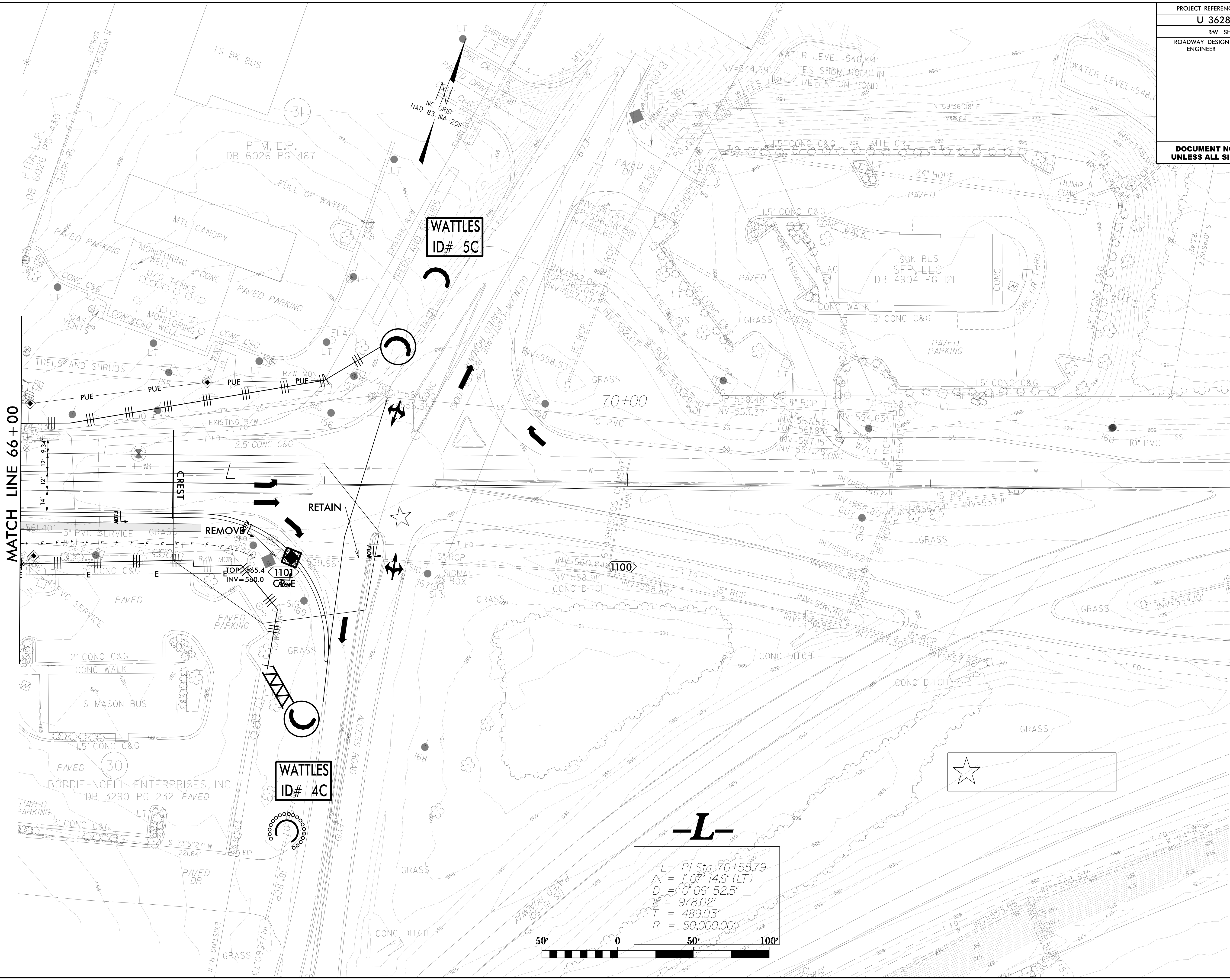
PROJECT REFERENCE NO.		SHEET NO.
U-3628		EC-10
RW SHEET NO.		HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



EASEMENT DESCRIPTION TABLE		
Point#	Station	Offset
DUE 5	59+01.53	51.0092
DUE 6	59+01.55	79.3681
DUE 7	59+37.02 0	79.6955 50'
DUE 8	59+36.29	51.0092

-L- PI Sta 62+59.70 Δ = 23°55'08.8" (LT) D = 3°50'14.1" L = 623.34 T = 316.28 R = 1,493.15'	-L- PI Sta 70+55.79 Δ = 1°07'14.6" (LT) D = 0°06'52.5" L = 978.02' T = 489.03' R = 50,000.00'
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REVISIONS



PROJECT REFERENCE NO.		SHEET NO.
U-3628		EC-11
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

-L-

-L- PI Sta 70+55.79
Δ = 1'07" 14.6" (LT)
D = 0'06" 52.5"
L = 978.02'
T = 489.03'
R = 50,000.00'

