

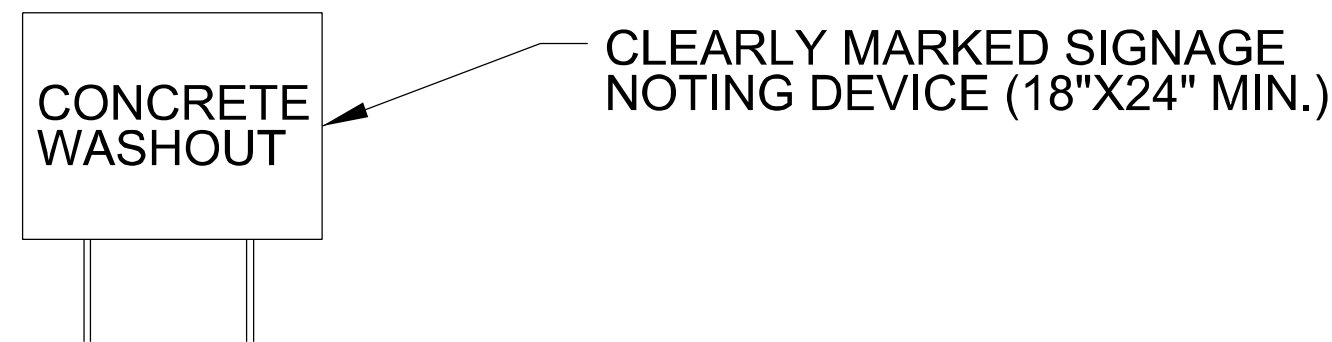
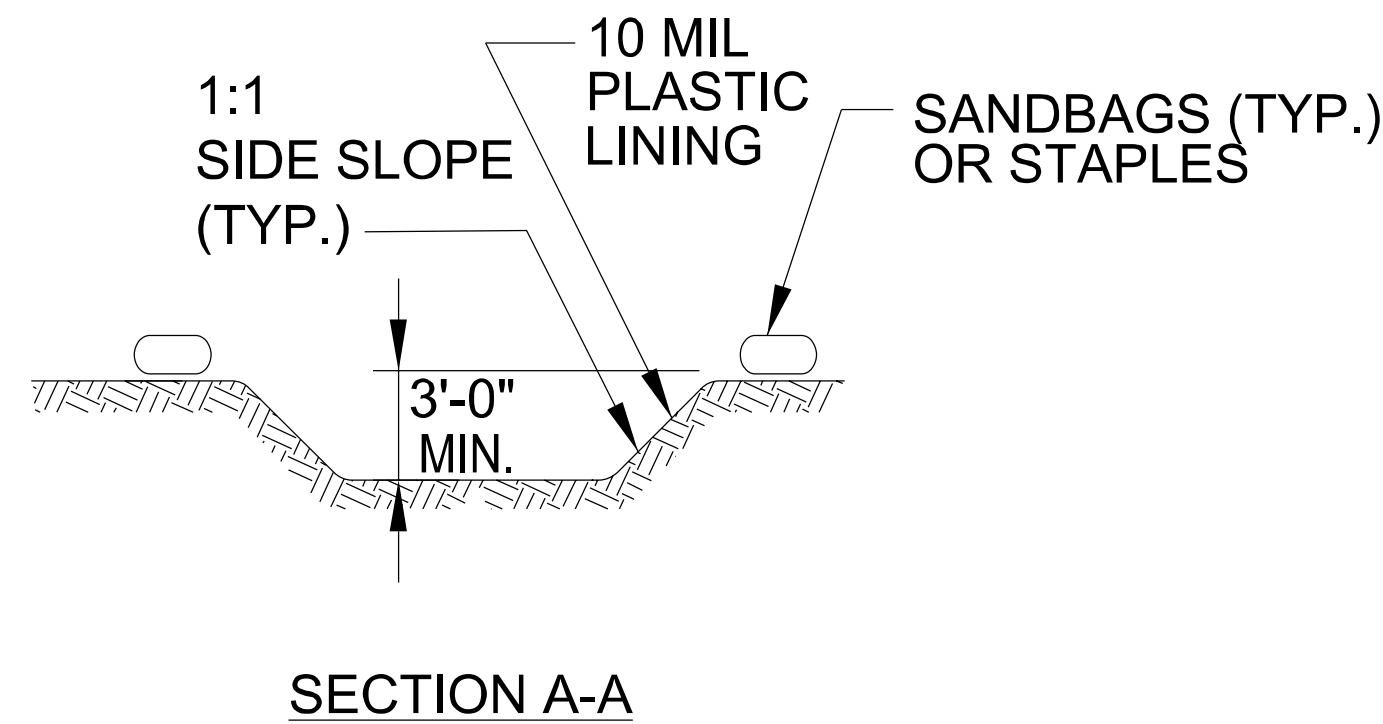
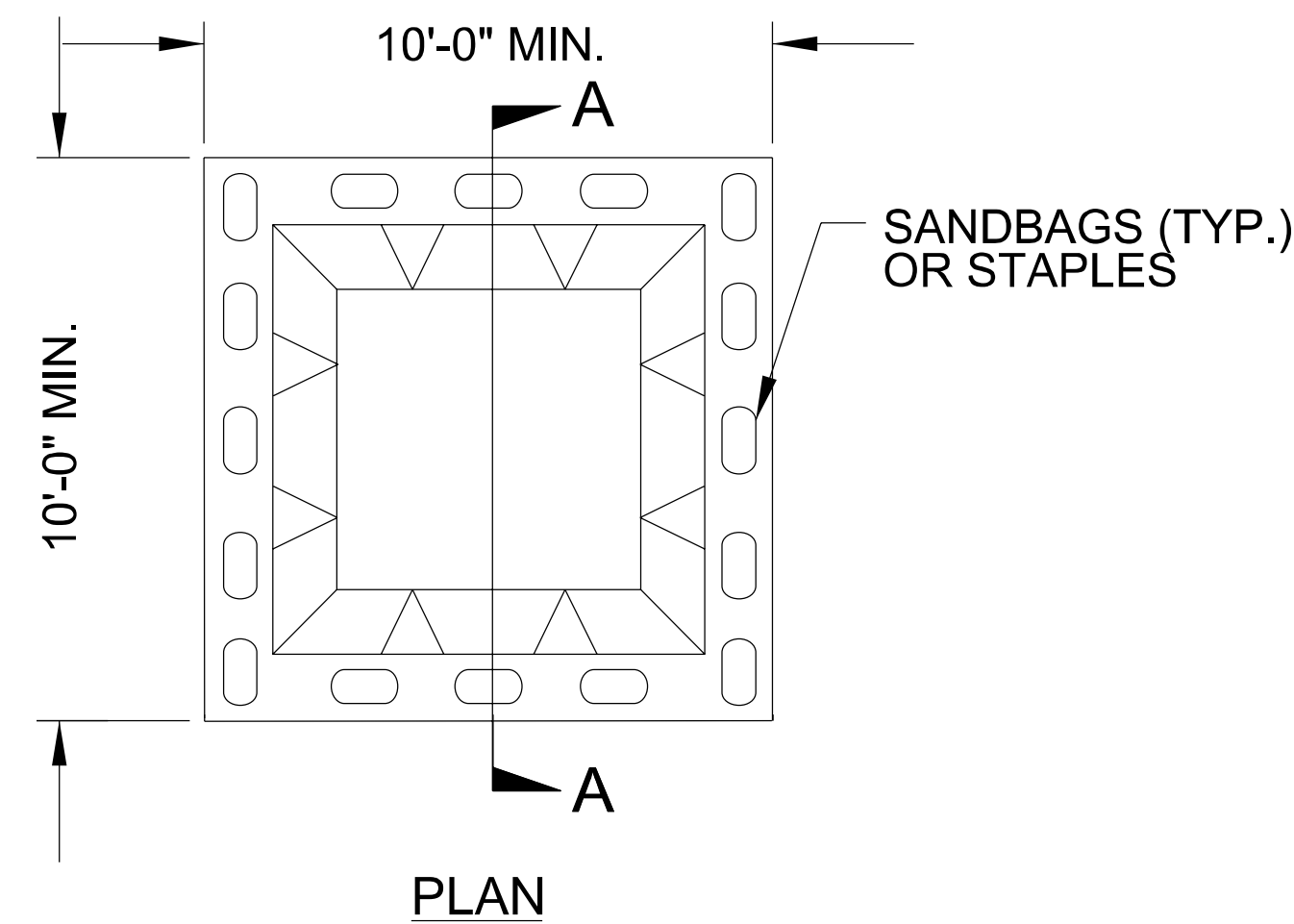
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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				
1632.02	Type B		1636.03	Excelsior Wattle Barrier	
1632.03	Type C		1636.03	Coir Fiber Wattle Barrier	

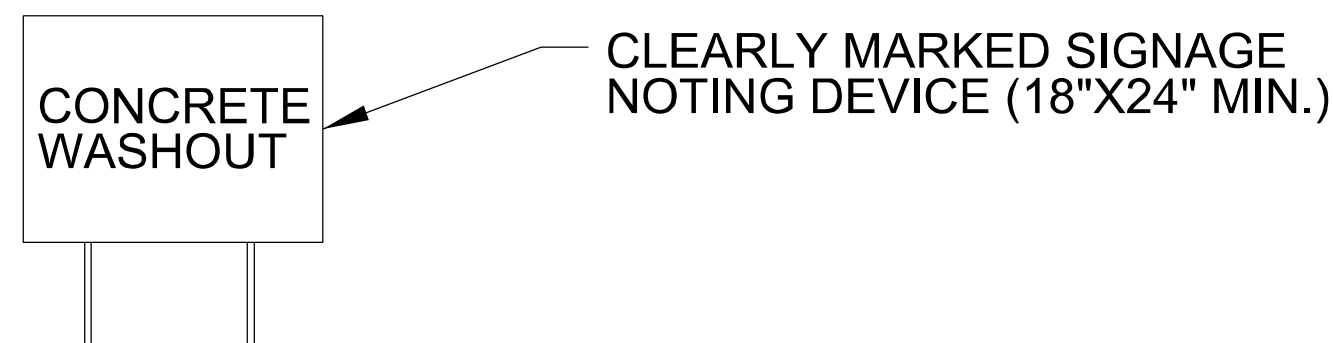
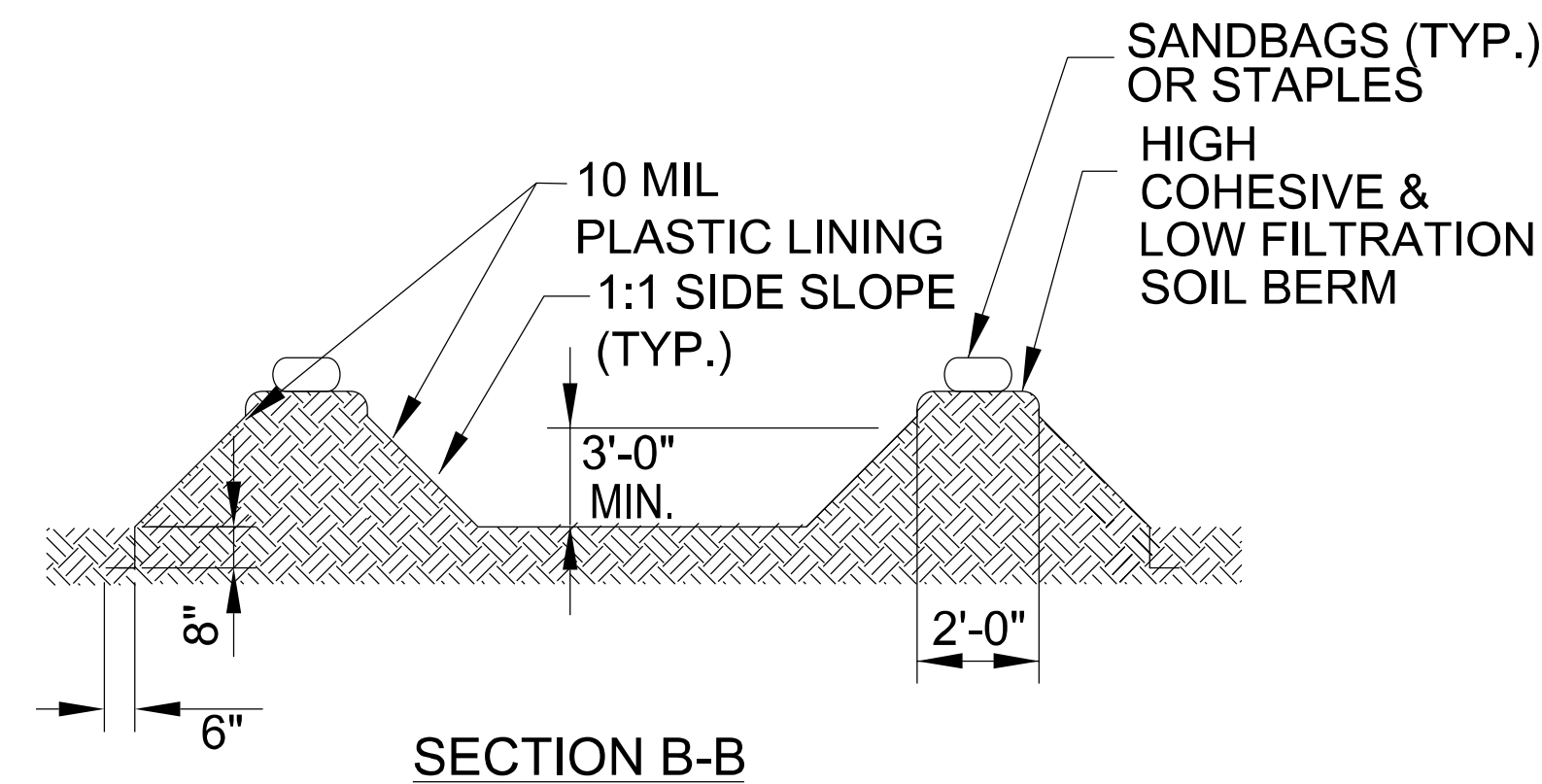
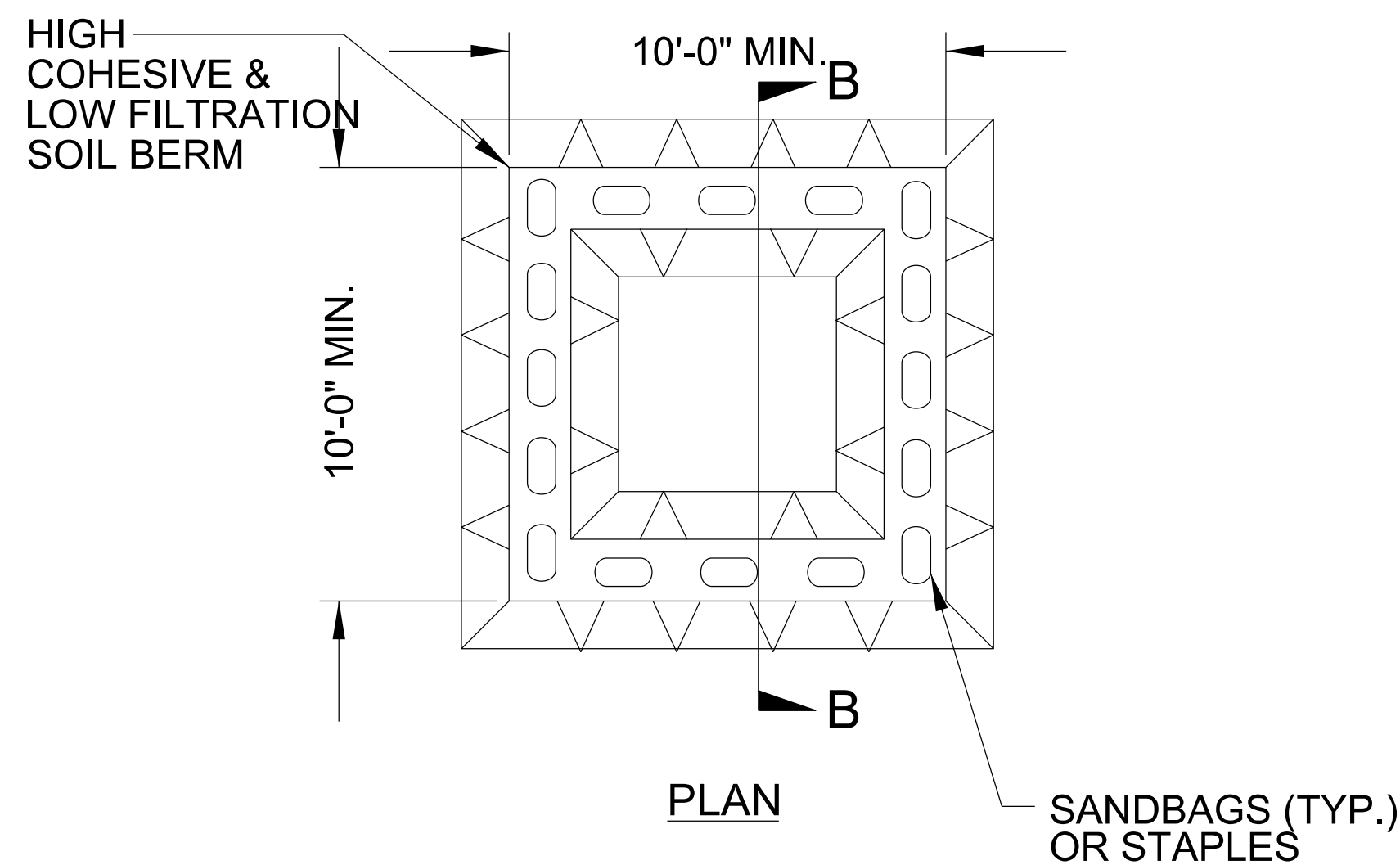
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
<i>B-5899</i>	<i>EC-2A</i>
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.

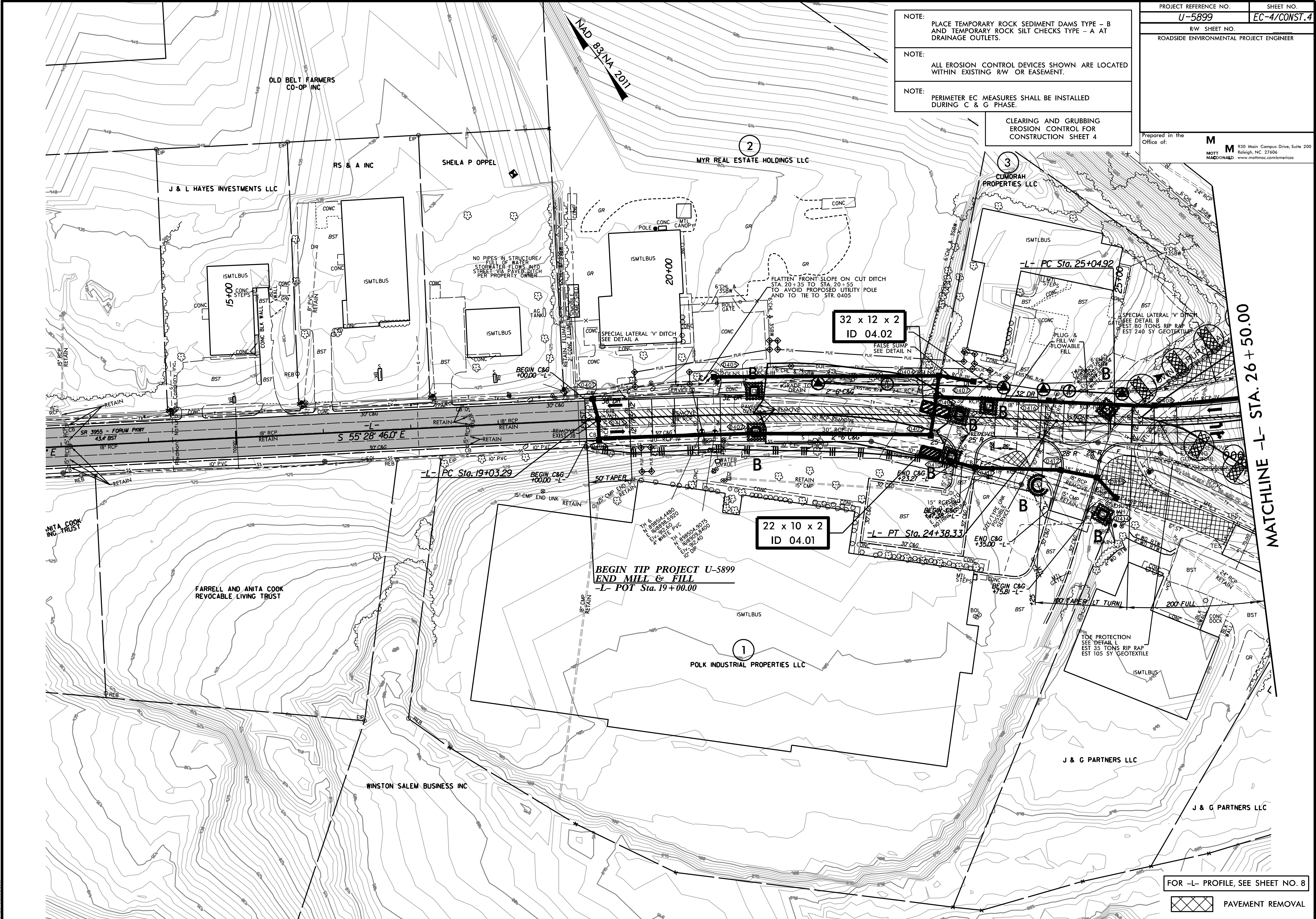
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION 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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

8/17/99

2/20/2025
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NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED
WITHIN EXISTING RW OR EASEMENT.

NOTE:
PERIMETER EC MEASURES SHALL BE INSTALLED
DURING C & G PHASE.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

PROJECT REFERENCE NO.	SHEET NO.
U-5899	EC-4/CONST.4
RW SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
Prepared in the Office of:	
M MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com/americas	

FOR -L- PROFILE, SEE SHEET NO. 8

PAVEMENT REMOVAL

-L- SEE PROFILE SHEET 8
-Y1- SEE PROFILE SHEET 9
-Y2- SEE PROFILE SHEET 9

FOR INTERSECTION DETAIL, SEE SHEET 2B-1

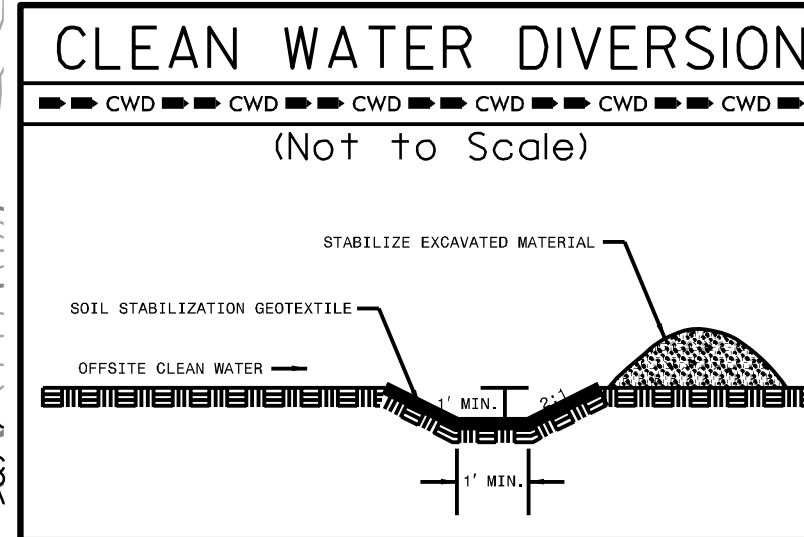
- PAVEMENT REMOVAL
PAVED SHOULDER
MONOLITHIC CONCRETE ISLAND

NAD 83/NA 2011

MATCHLINE -L- STA. 26+50.00

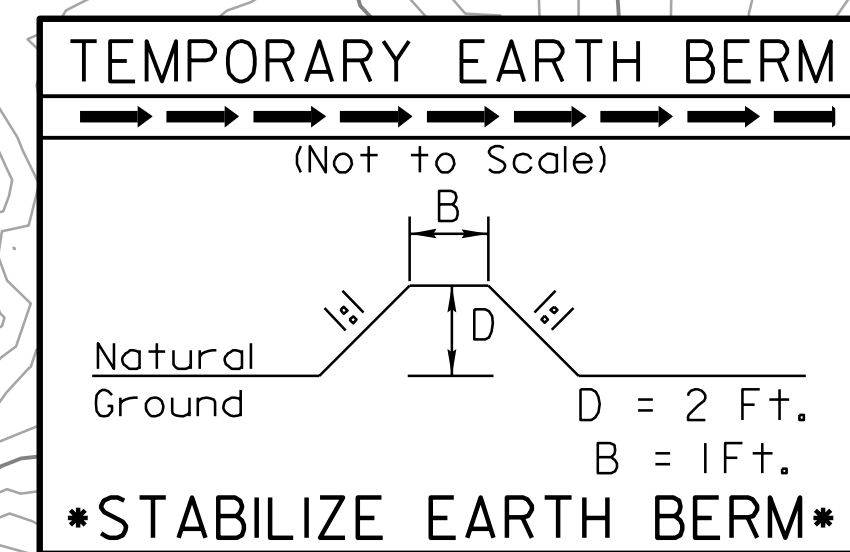
PROJECT REFERENCE NO.	SHEET NO.
U-5899	EC-5/CONST.5
R/W SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	

Prepared in the Office of:
M MOTT MACDONALD
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
www.mottmac.com/americas

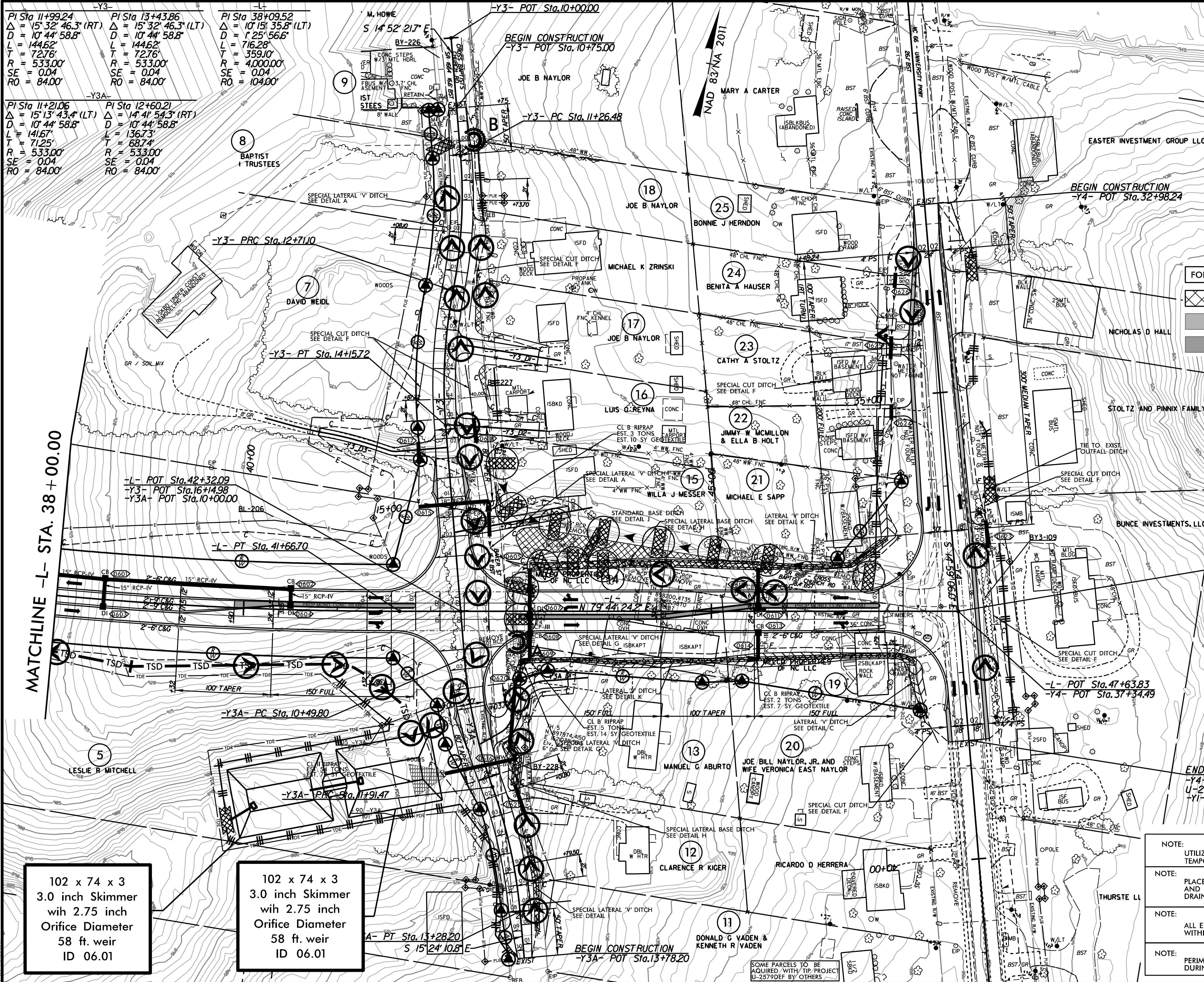


MATCHLINE -L- STA. 38+00.00

- NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.
- NOTE: ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED WITHIN EXISTING R/W OR EASEMENT.
- NOTE: PERIMETER EC MEASURES SHALL BE INSTALLED DURING C & G PHASE.
- CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5
- *ONLY ONE IMPERVIOUS DIKE SHALL BE INSTALLED IN GRASSY CREEK AT A TIME



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8/17/99



PROJECT REFERENCE NO.		SHEET NO.	
U-5899		EC-6/CONST.6	
RW SHEET NO.			
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER			
Prepared in the Office of:		M 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com/americas	

-L- SEE PROFILE SHEETS 8 & 9
-Y3- SEE PROFILE SHEET 9
-Y3A- SEE PROFILE SHEET 10
-Y4- SEE PROFILE SHEET 10
-L D1- SEE PROFILE SHEET 10

FOR INTERSECTION DETAILS, SEE SHEET 2B-2

	PAVEMENT REMOVAL
	PROPOSED SHOULDER
	MONOLITHIC CONCRETE ISLAND

END TIP PROJECT U-5899
END CONSTRUCTION
-L- POT Sta. 47+63.83

END CONSTRUCTION
-Y4- POT Sta. 38+72.95
U-2579DEF
-Y1- POT

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NOTE:
UTILIZE APPROPRIATE INLET PROTECTIONS FOR
TEMPORARY DRAINAGE MEASURES AS DIRECTED

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

NOTE:
ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED
WITHIN EXISTING R/W OR EASEMENT.

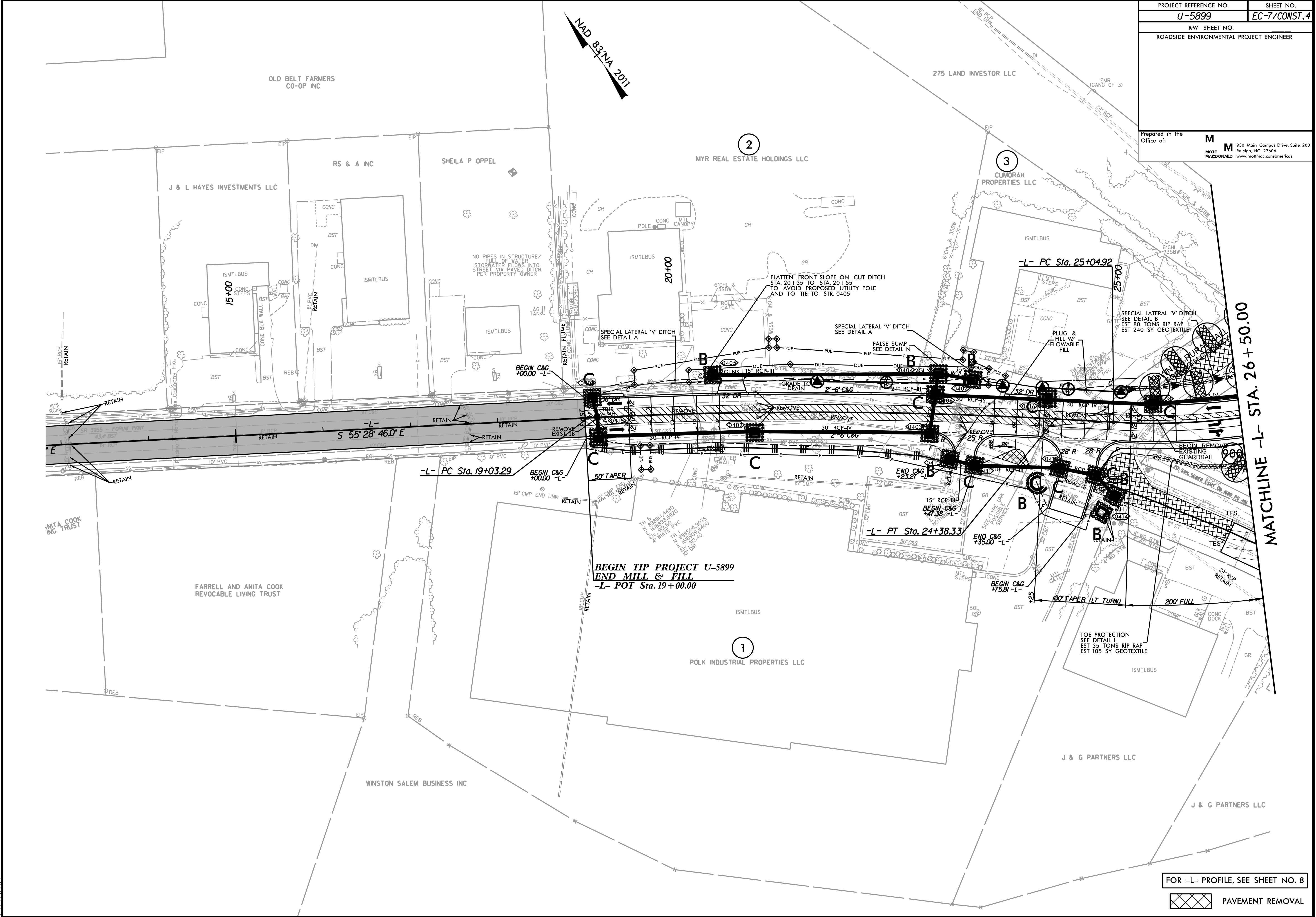
NOTE:
PERIMETER EC MEASURES SHALL BE INSTALLED
DURING C & G PHASE.

102 x 74 x 3
3.0 inch Skimmer
with 2.75 inch
Orifice Diameter
58 ft. weir
ID 06.01

102 x 74 x 3
3.0 inch Skimmer
with 2.75 inch
Orifice Diameter
58 ft. weir
ID 06.01

8/17/99

2/20/2025
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PROJECT REFERENCE NO.	SHEET NO.
U-5899	EC-7/CONST.4
RW SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
Prepared in the Office of:	
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8/17/99

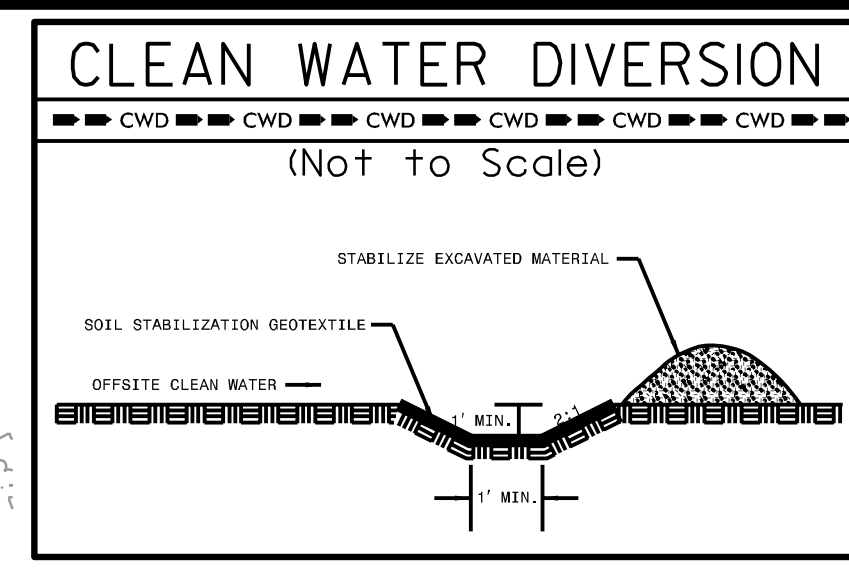
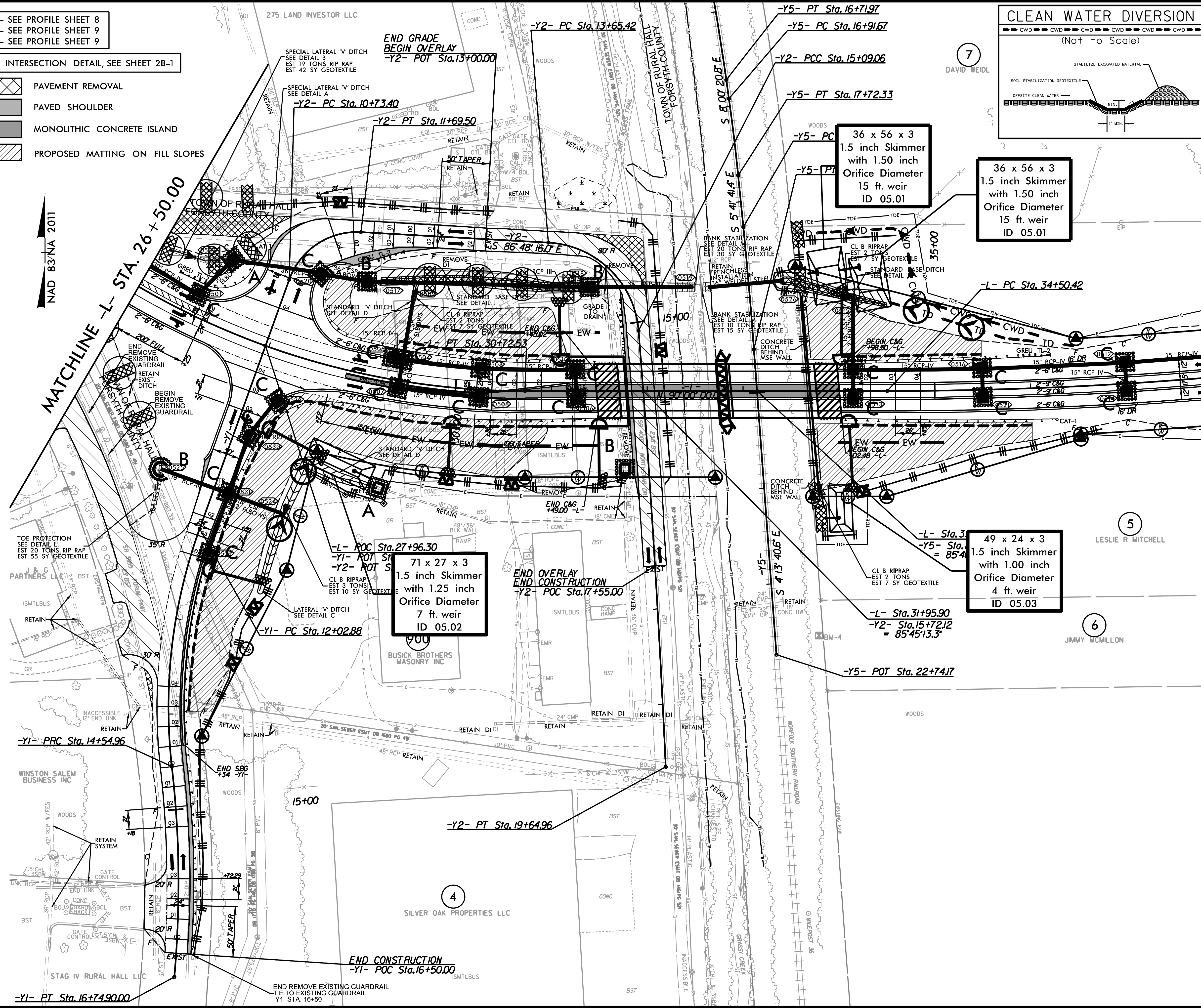
-L- SEE PROFILE SHEET 8
-Y1- SEE PROFILE SHEET 9
-Y2- SEE PROFILE SHEET 9

FOR INTERSECTION DETAIL, SEE SHEET 2B-1

- PAVEMENT REMOVAL
- PAVED SHOULDER
- MONOLITHIC CONCRETE ISLAND
- PROPOSED MATTING ON FILL SLOPES

NAD 83/NA 2011

MATCHLINE -L- STA. 26+50.00



PROJECT REFERENCE NO.	SHEET NO.
U-5899	EC-8/CONST.5
R/W SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
Prepared in the Office of:	M MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com/americas

71 x 27 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 05.02

36 x 56 x 3
1.5 inch Skimmer
with 1.50 inch
Orifice Diameter
15 ft. weir
ID 05.01

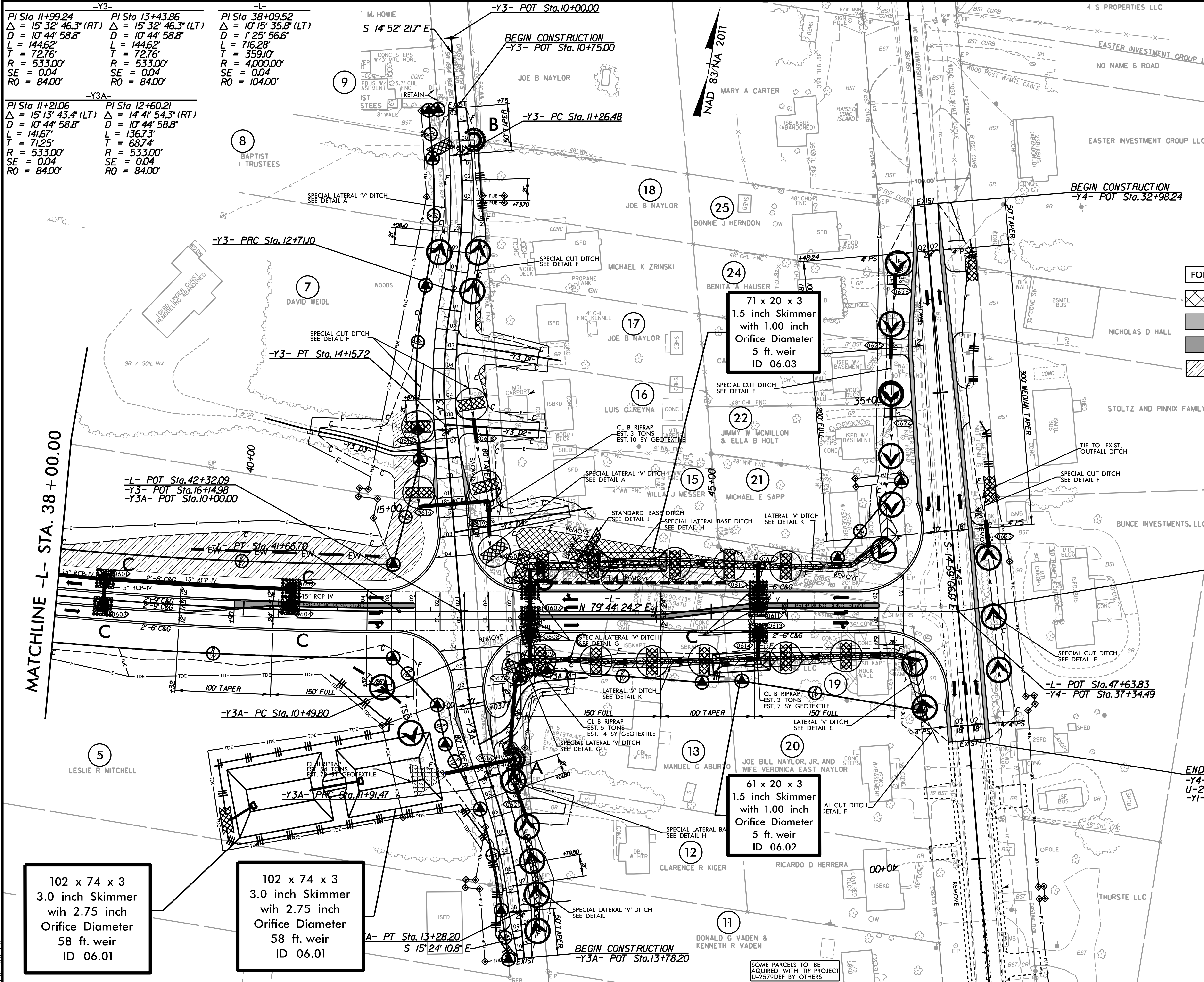
36 x 56 x 3
1.5 inch Skimmer
with 1.50 inch
Orifice Diameter
15 ft. weir
ID 05.01

49 x 24 x 3
1.5 inch Skimmer
with 1.00 inch
Orifice Diameter
4 ft. weir
ID 05.03

2/20/2025
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8/17/99

2/20/2025
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iso-tracker



PROJECT REFERENCE NO.	SHEET NO.
U-5899	EC-9/CONST.6
RW SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
Prepared in the Office of:	
MOTT MACDONALD	
930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com/americas	

-L- SEE PROFILE SHEETS 8 & 9
-Y3- SEE PROFILE SHEET 9
-Y3A- SEE PROFILE SHEET 10
-Y4- SEE PROFILE SHEET 10
-L D1- SEE PROFILE SHEET 10

- FOR INTERSECTION DETAILS, SEE SHEET 2B-2
- PAVEMENT REMOVAL
 - PROPOSED SHOULDER
 - MONOLITHIC CONCRETE ISLAND
 - PROPOSED MATTING ON FILL SLOPES

END TIP PROJECT U-5899
END CONSTRUCTION
-L- POT Sta. 47+63.83

END CONSTRUCTION
-Y4- POT Sta. 38+72.95
U-2579DEF
-Y1- POT Sta. 10+80.00

SOME PARCELS TO BE
ACQUIRED WITH TIP PROJECT
U-2579DEF BY OTHERS