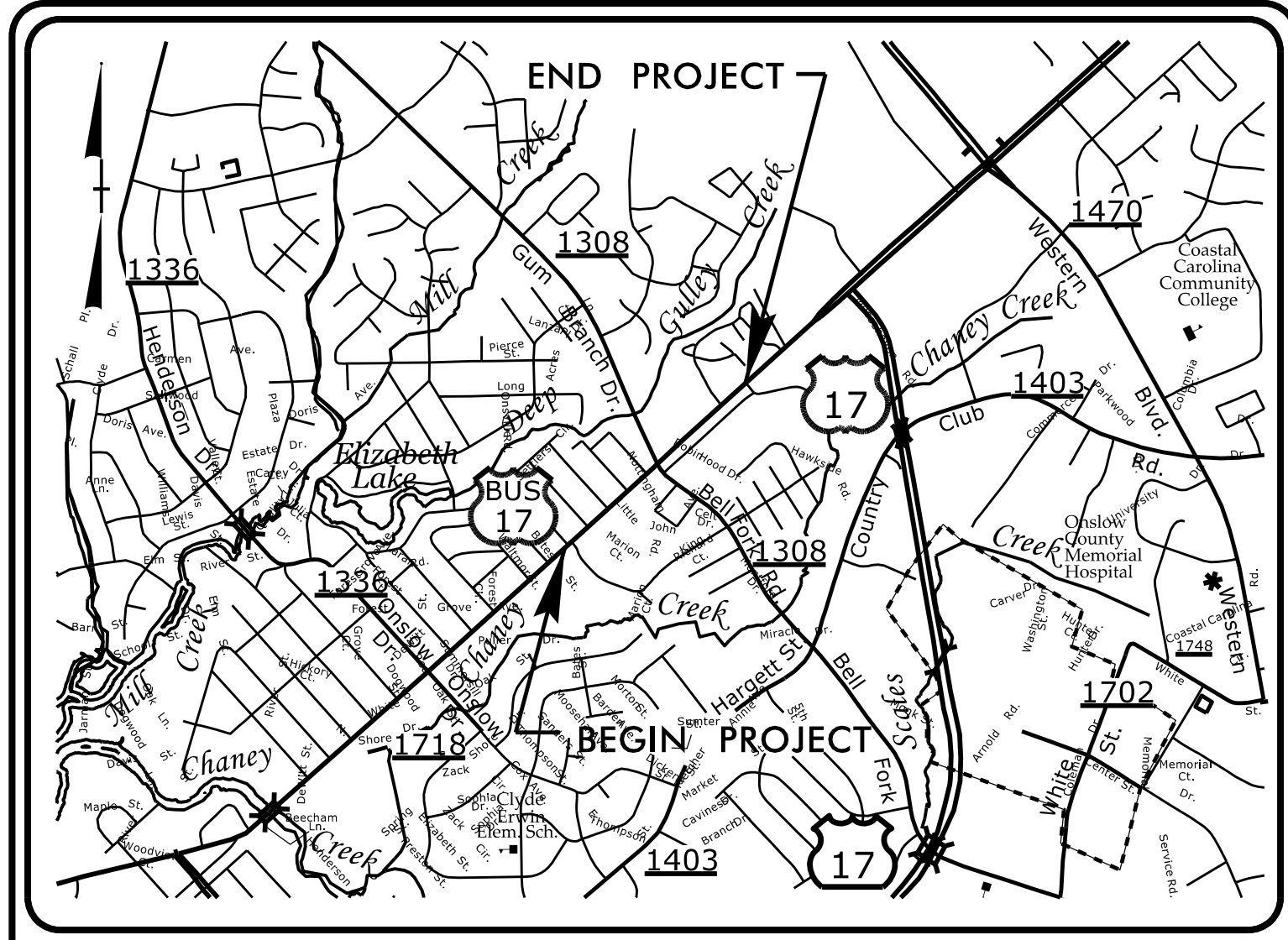


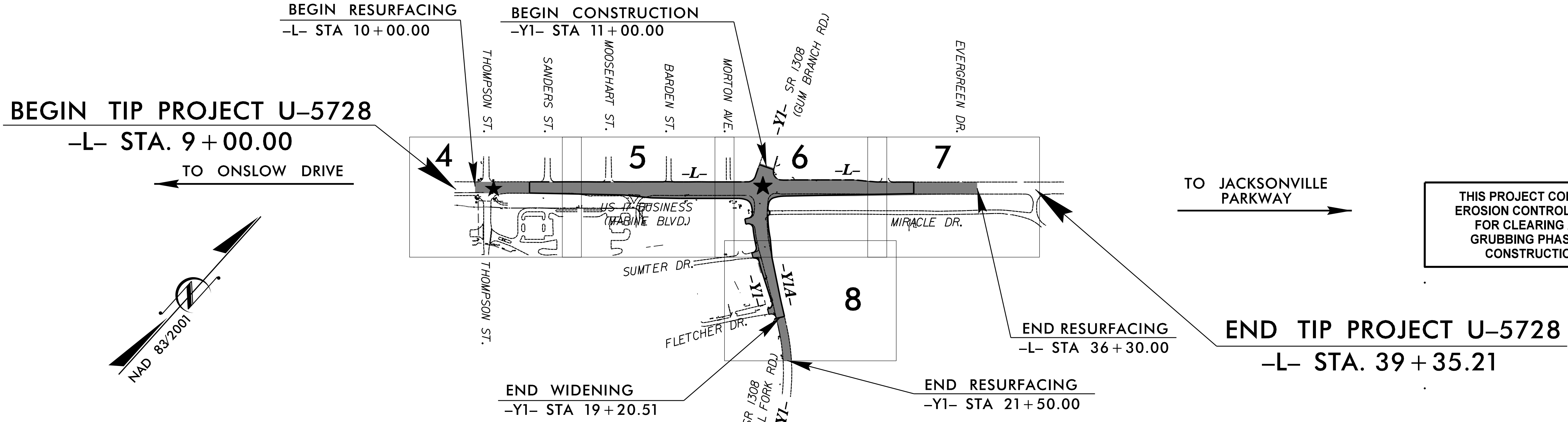
TIP PROJECT: U-5728



VICINITY MAP
NOT TO SCALE

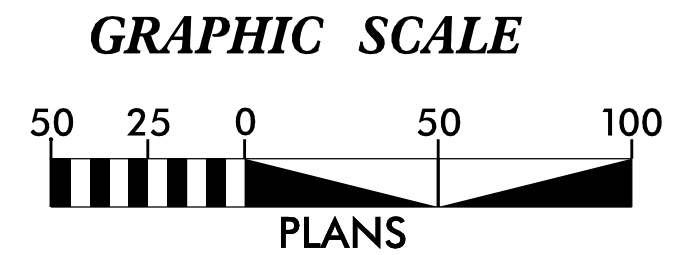
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
ON SLOW COUNTY

LOCATION: CITY OF JACKSONVILLE - US 17 BUSINESS
(MARINE BOULEVARD) AT SR 1308 (BELL FORK RD./GUM BRANCH RD.)
TYPE OF WORK: WIDENING, GRADING, DRAINAGE,
PAVING, RESURFACING, AND SIGNALS



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

THIS IS NOT A CONTROL OF ACCESS PROJECT
THIS PROJECT IS WITHIN THE JACKSONVILLE MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III (MODIFIED).



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE NCG 010000 GENERAL
STORMWATER CONSTRUCTION PERMIT ISSUED BY THE NORTH
CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION
OF ENERGY, MINERAL, AND LAND RESOURCES.

TRANSYSTEMS

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Fax: 919.789.9591
License: F-0453

Prepared In the Office of:
Transystems
One Glenwood Ave, Ste. 600
Raleigh, NC 27603

Designed by:
DAVID FULLER **4541**
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

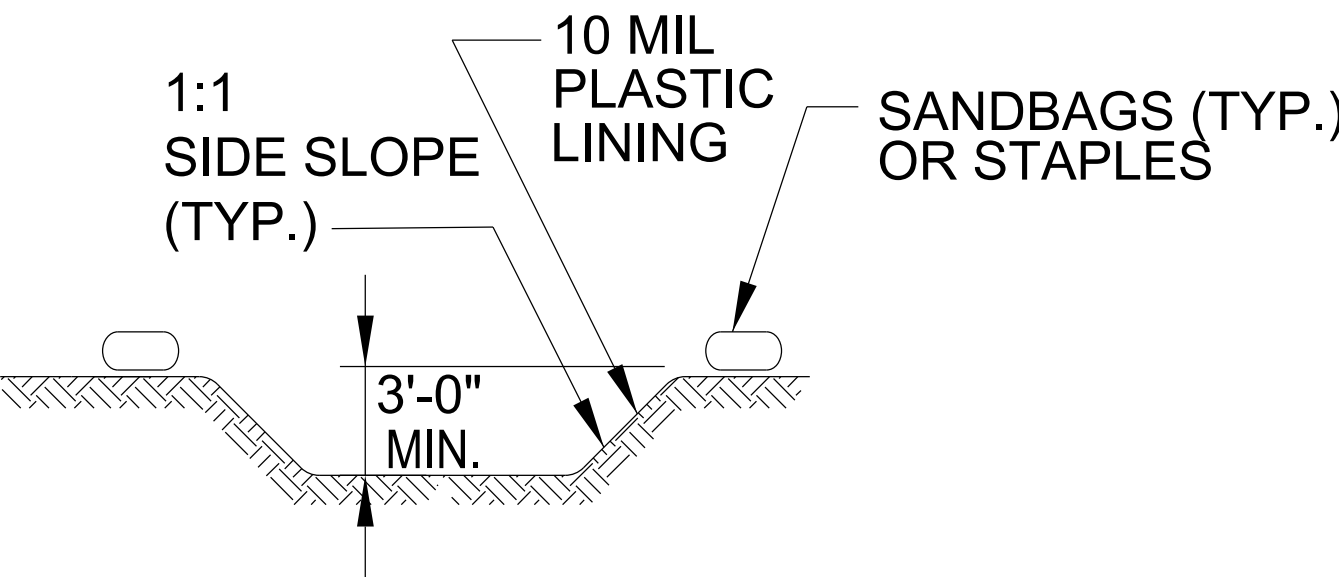
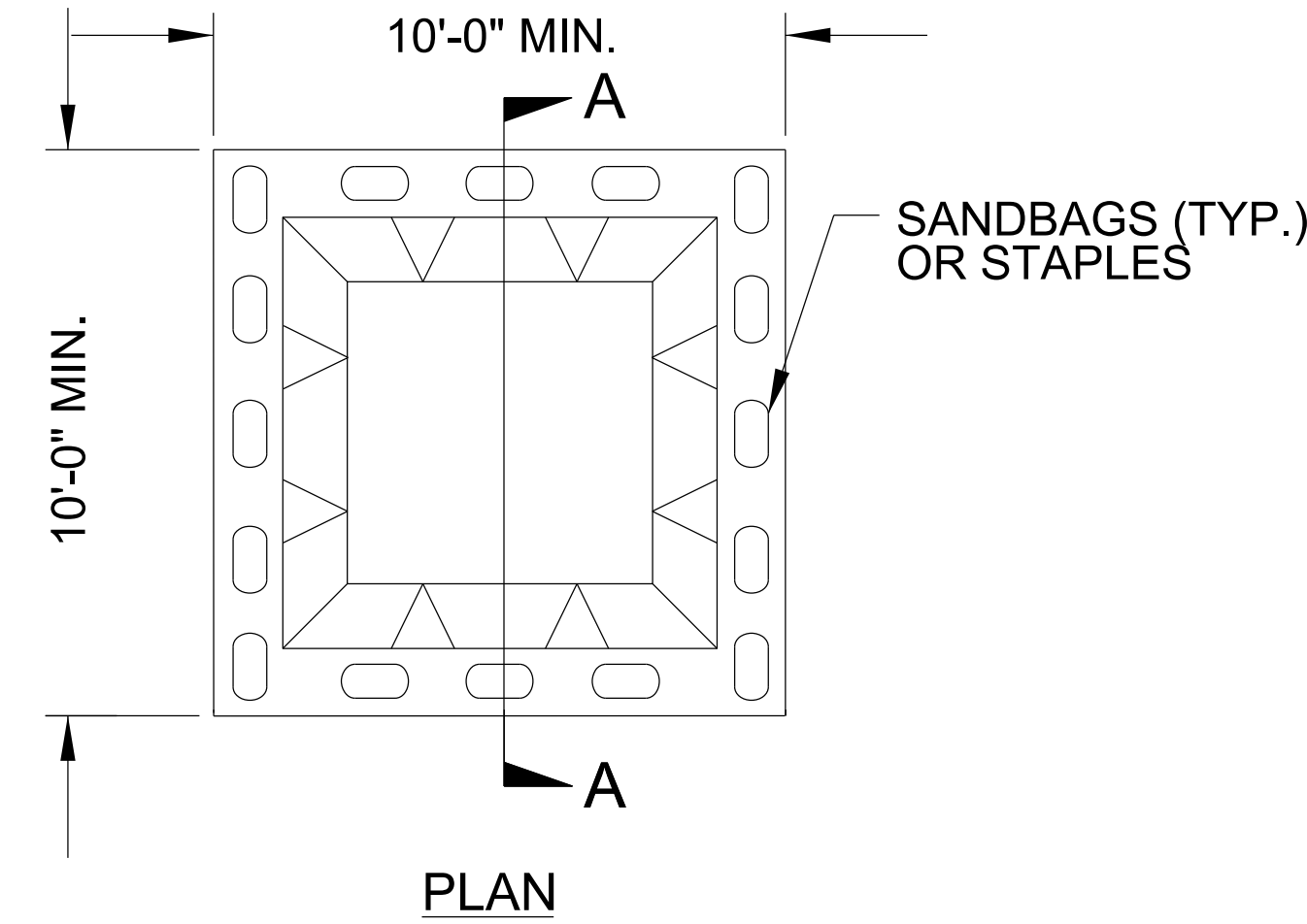
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior 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				

8/17/99

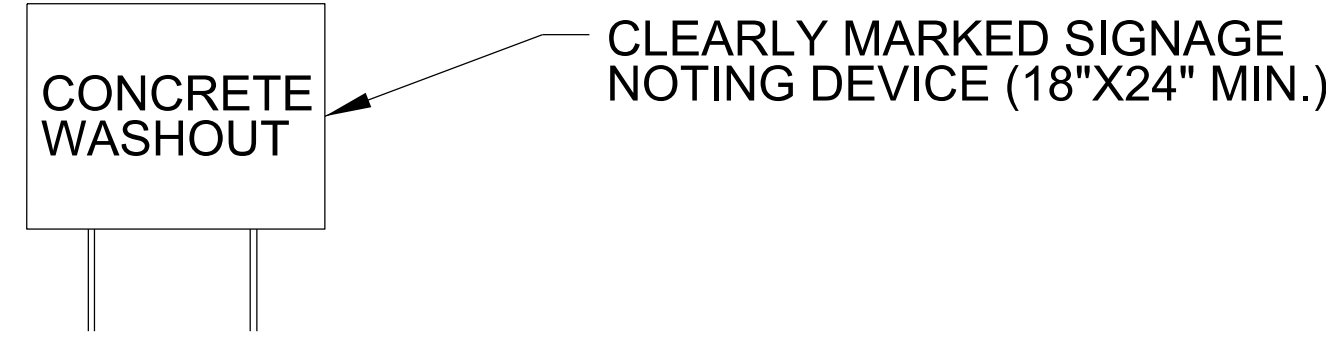
8/17/99

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
U-5728	EC-2A
TRANSYSTEMS 1 Glenwood Avenue Raleigh, NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: F-0453	

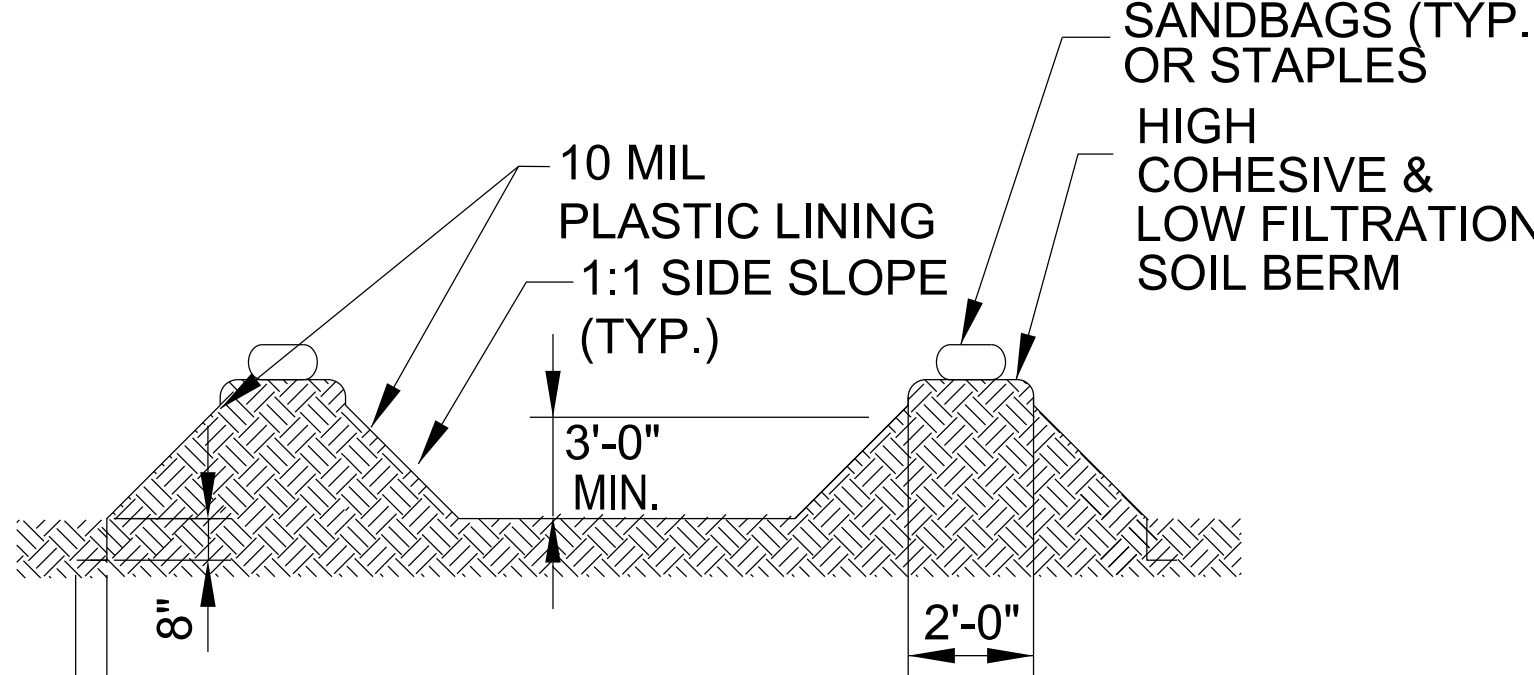
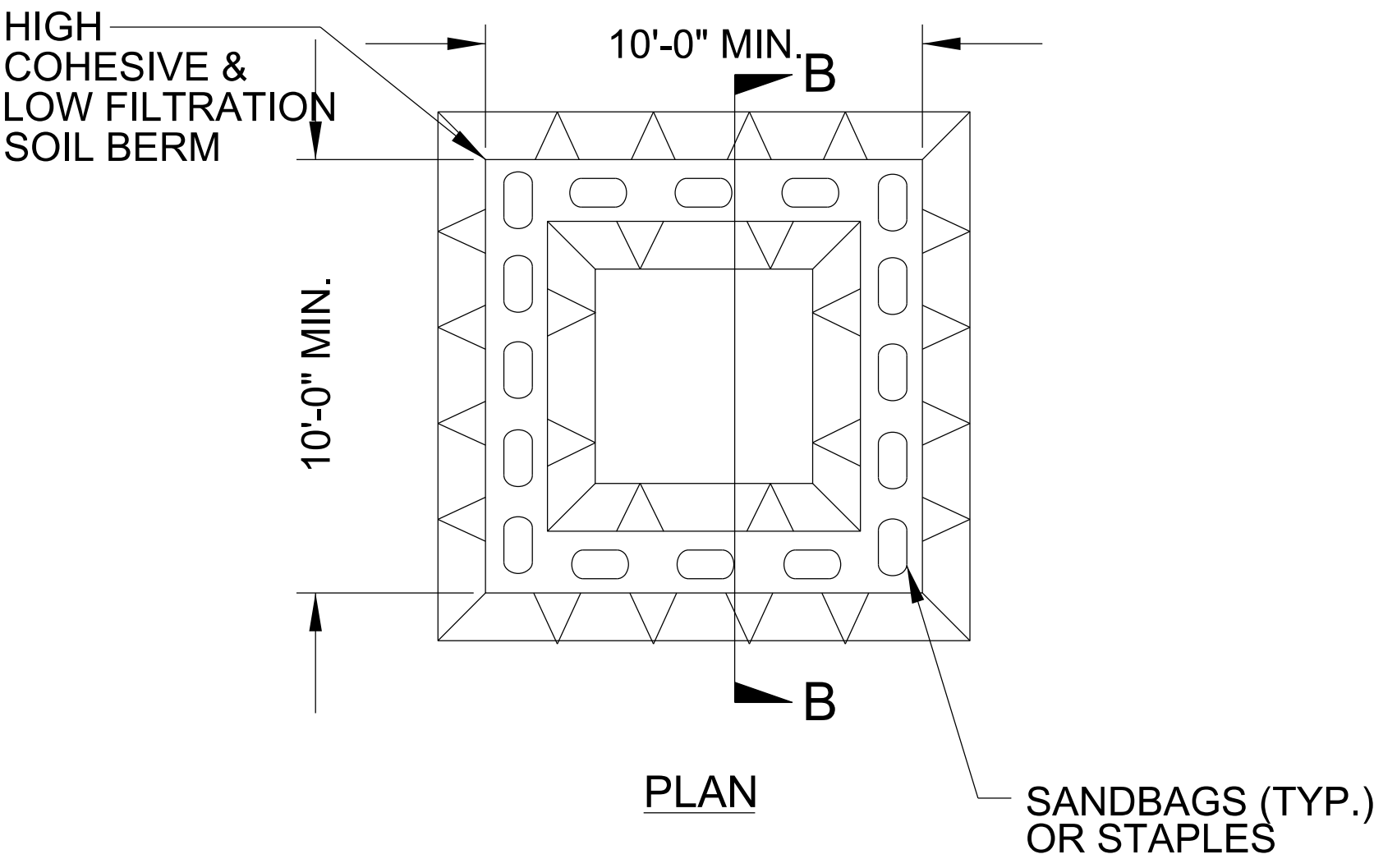


SECTION A-A

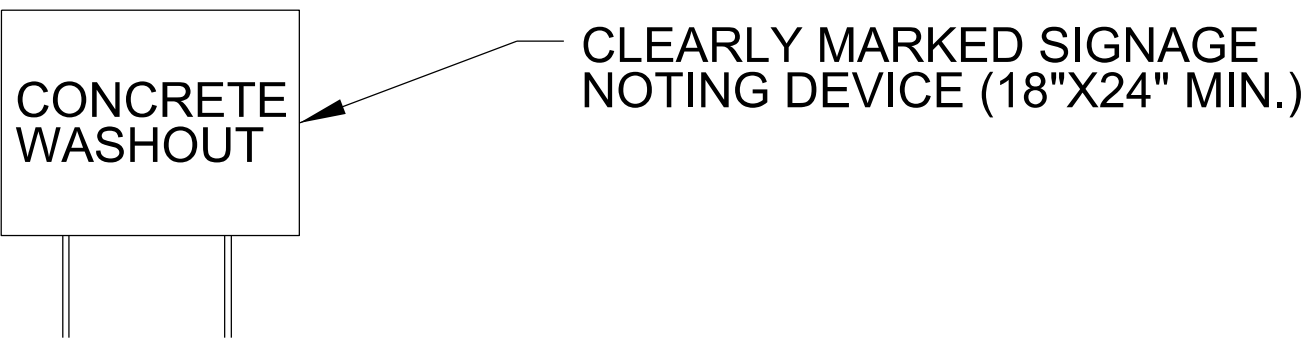


BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- 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.



SECTION B-B



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.

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DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

STRAW MATTING FOR EROSION CONTROL

MATTING FOR EROSION CONTROL

[illegible][illegible]

REVISIONS

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$$$$$SYTIME$$$$$
$$$$$DGN$$$$$
$$$$$USERNAME$$$$$

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8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
U-5728	EC-3A

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

REVISIONS

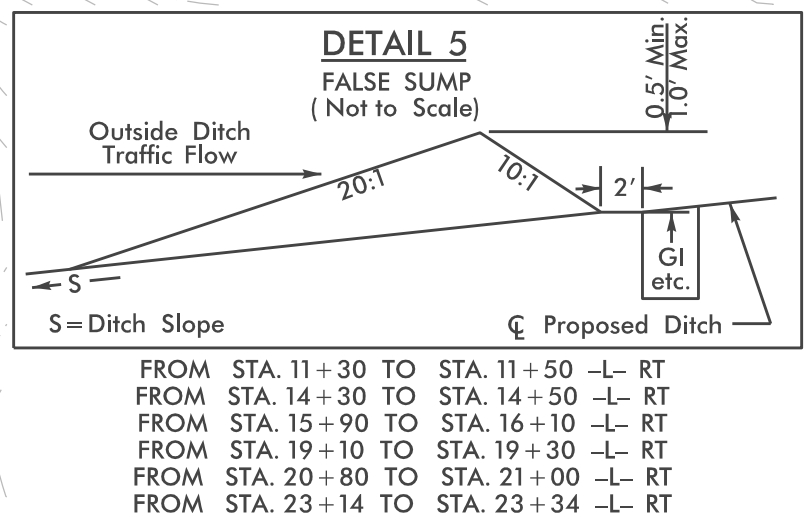
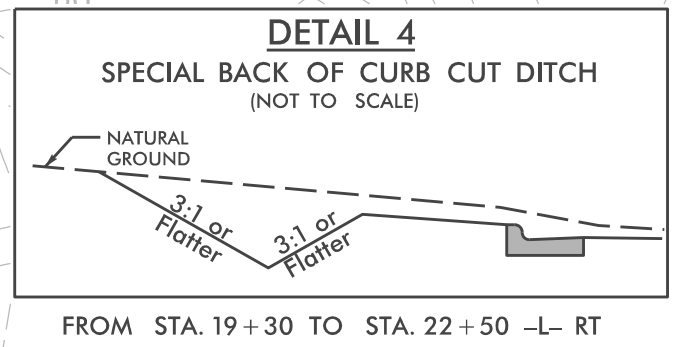
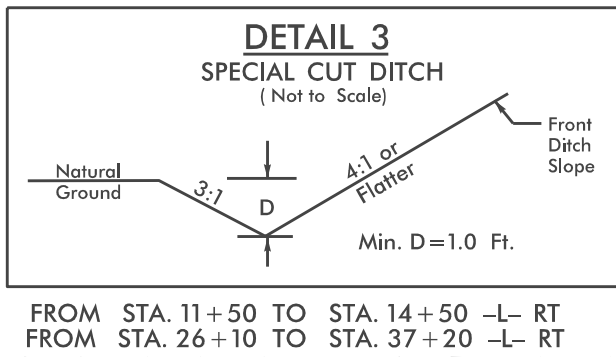
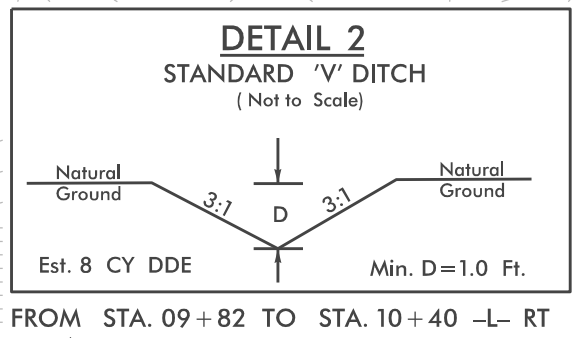
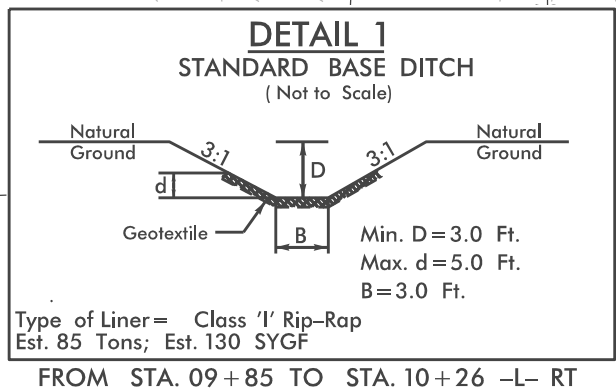
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

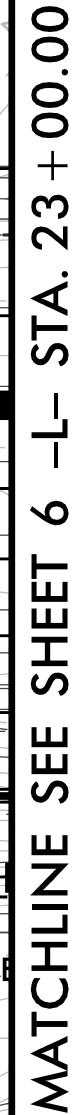
BEGIN FULL DEPTH RECONSTRUCTION OF
RIGHTMOST, SOUTHBOUND THROUGH LANE
STA. 10+00.00

BEGIN RESURFACING
-L- POT STA. 10+00.00



REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9

MATCHLINE SEE SHEET 5 -L- STA. 15+00.00



REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9

PROJECT REFERENCE NO.
U-5728

SHEET NO.
EC-6/ CONST.6

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GRAPHIC SCALES

30 15 0 30 60

PLANS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

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

-YI-
PI Sta 13+18.30
 $\Delta = 30' 39" 42.5" (LT)$
 $D = 7' 53' 31.1"$
 $L = 388.52'$
 $T = 199.03'$
 $R = 726.00'$
SE = SEE XSC

-YIA-
PI Sta 12+20.62
 $\Delta = 1' 30' 46.8" (LT)$
 $D = 8' 48' 53.0"$
 $L = 130.61'$
 $T = 65.53'$
 $R = 650.00'$
SE = SEE CROSS-SECTIONS

PI Sta 13+93.38
 $\Delta = 16' 40' 03.7" (LT)$
 $D = 8' 11' 06.4"$
 $L = 203.63'$
 $T = 102.54'$
 $R = 700.00'$
SE = SEE CROSS-SECTIONS

MATCHLINE SEE SHEET 5 -L- STA. 23+00.00

MATCHLINE SEE SHEET 7 -L- STA. 31+00.00

MATCHLINE SEE SHEET 8 -YI- STA. 15+65.00

REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9
FOR PROFILE OF -YI- SEE SHEET 10
FOR PROFILE OF -YIA- SEE SHEET 10
DB 5866 - PG 52

NOTE: PRELIMINARY UTILITY EASEMENTS (PUE) HAVE BEEN SHOWN FOR
R/W AND UTILITIES COORDINATION. PUE SHOWN ARE TENTATIVE
AND ARE SUBJECT TO CHANGE PRIOR TO FINAL ACCEPTANCE.

PROJECT REFERENCE NO.
U-5728

SHEET NO.
EC-8/ CONST. B

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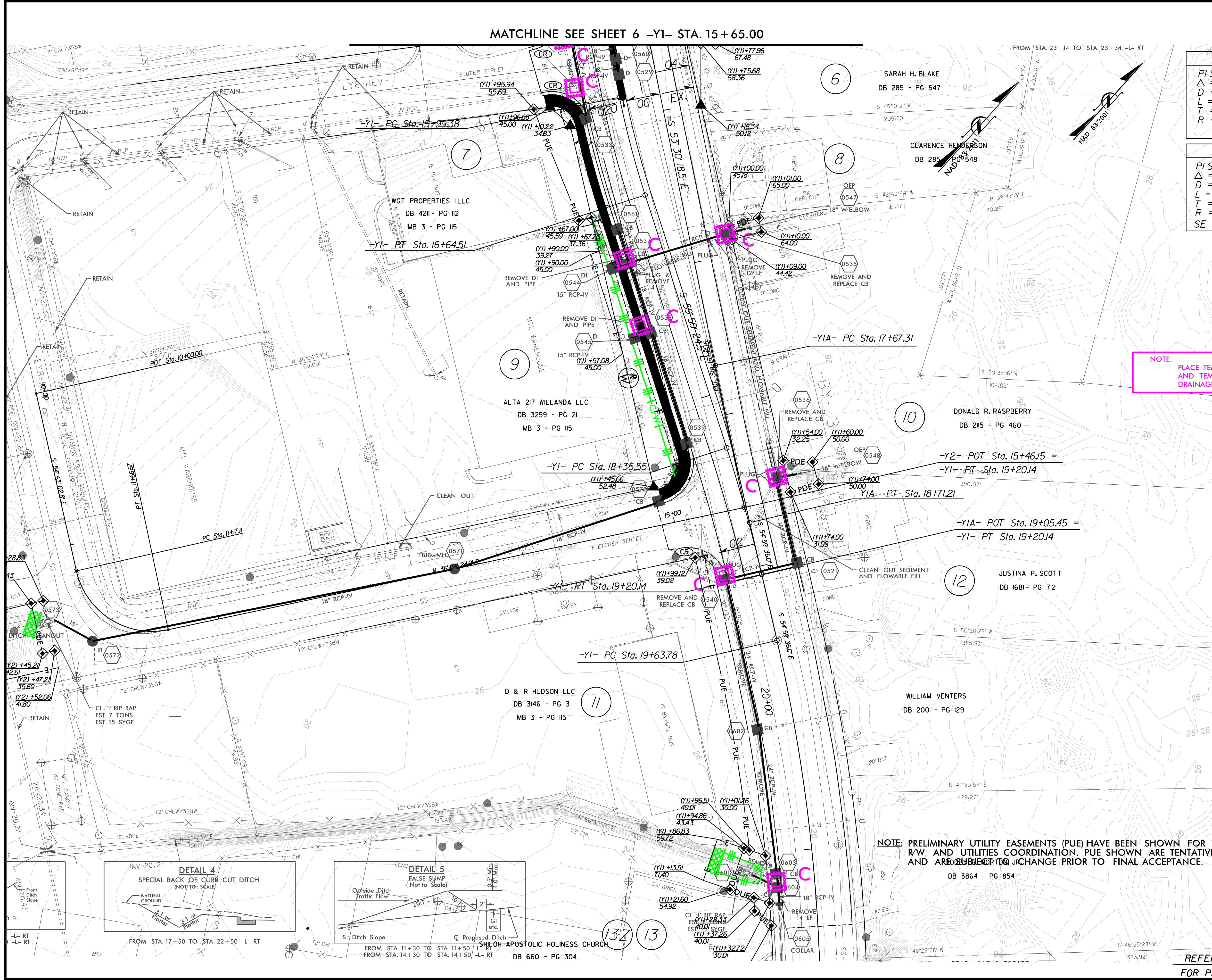
GRAPHIC SCALES

30 15 0 30 60

PLANS

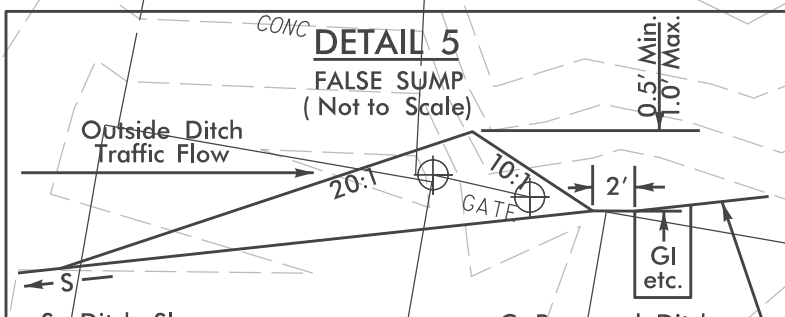
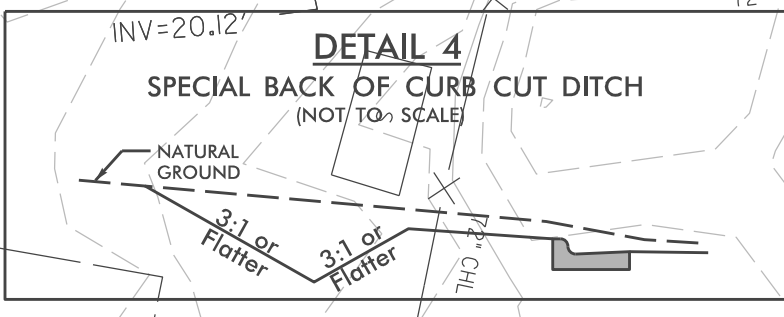
PI Sta 18+19.62
Δ = 1° 29' 17.5" (LT)
D = 1° 25' 56.6"
L = 103.90'
T = 51.95'
R = 4,000.00'
SE = NC

PI Sta 11+66.42
Δ = 89° 12' 33.1" (LT)
D = 180° 00' 00.0"
L = 49.56'
T = 49.31'
R = 50.00'



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

NOTE: PRELIMINARY UTILITY EASEMENTS (PUE) HAVE BEEN SHOWN FOR R/W AND UTILITIES COORDINATION. PUE SHOWN ARE TENTATIVE AND ARE SUBJECT TO CHANGE PRIOR TO FINAL ACCEPTANCE.



REFERENCES:
FOR PROFILE OF -YI- SEE SHEET 10

PROJECT REFERENCE NO.
U-5728

SHEET NO.
EC-9/ CONST.4

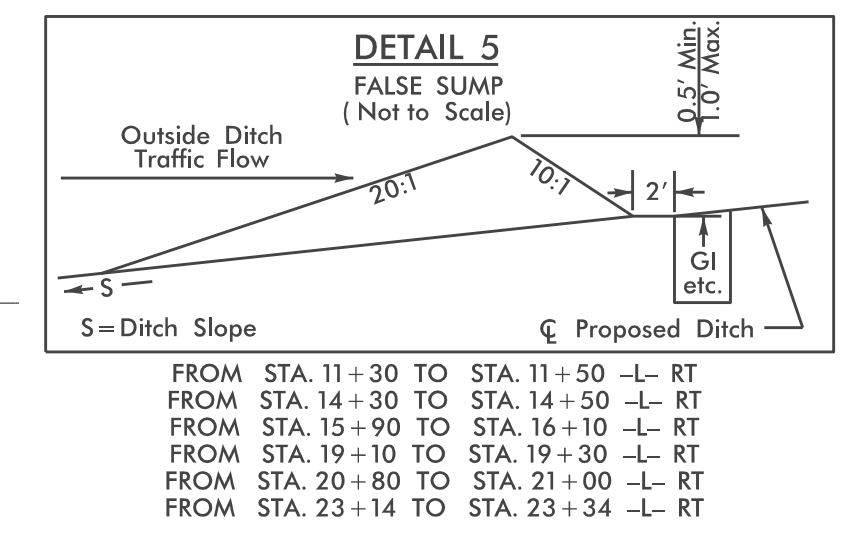
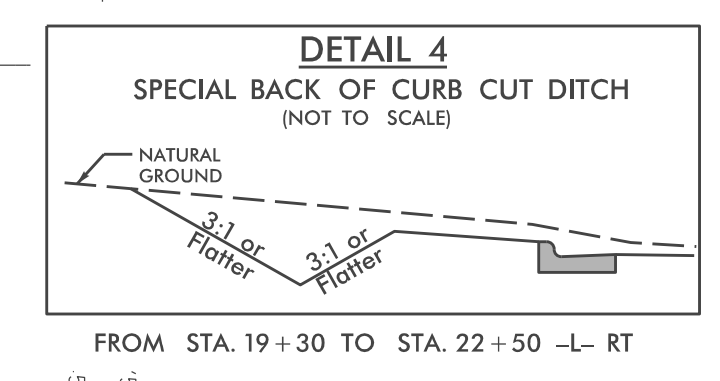
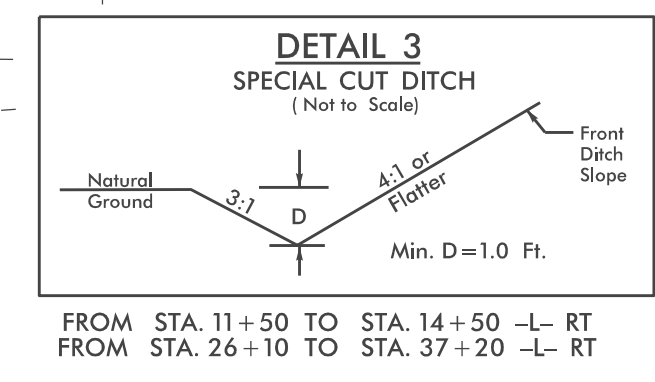
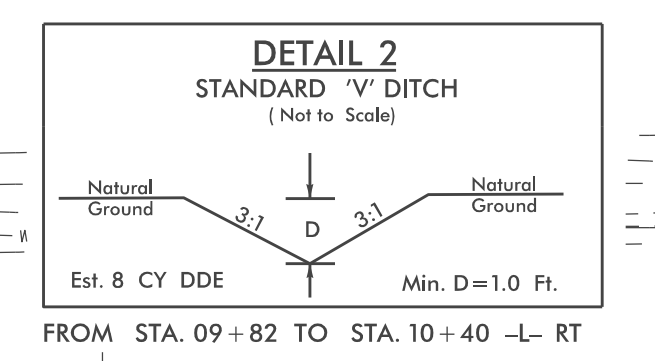
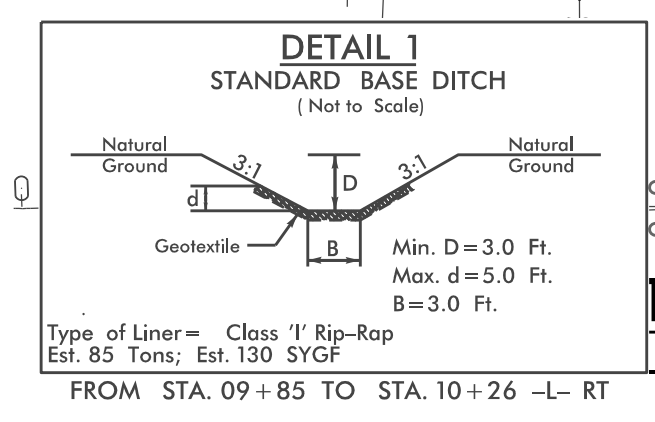
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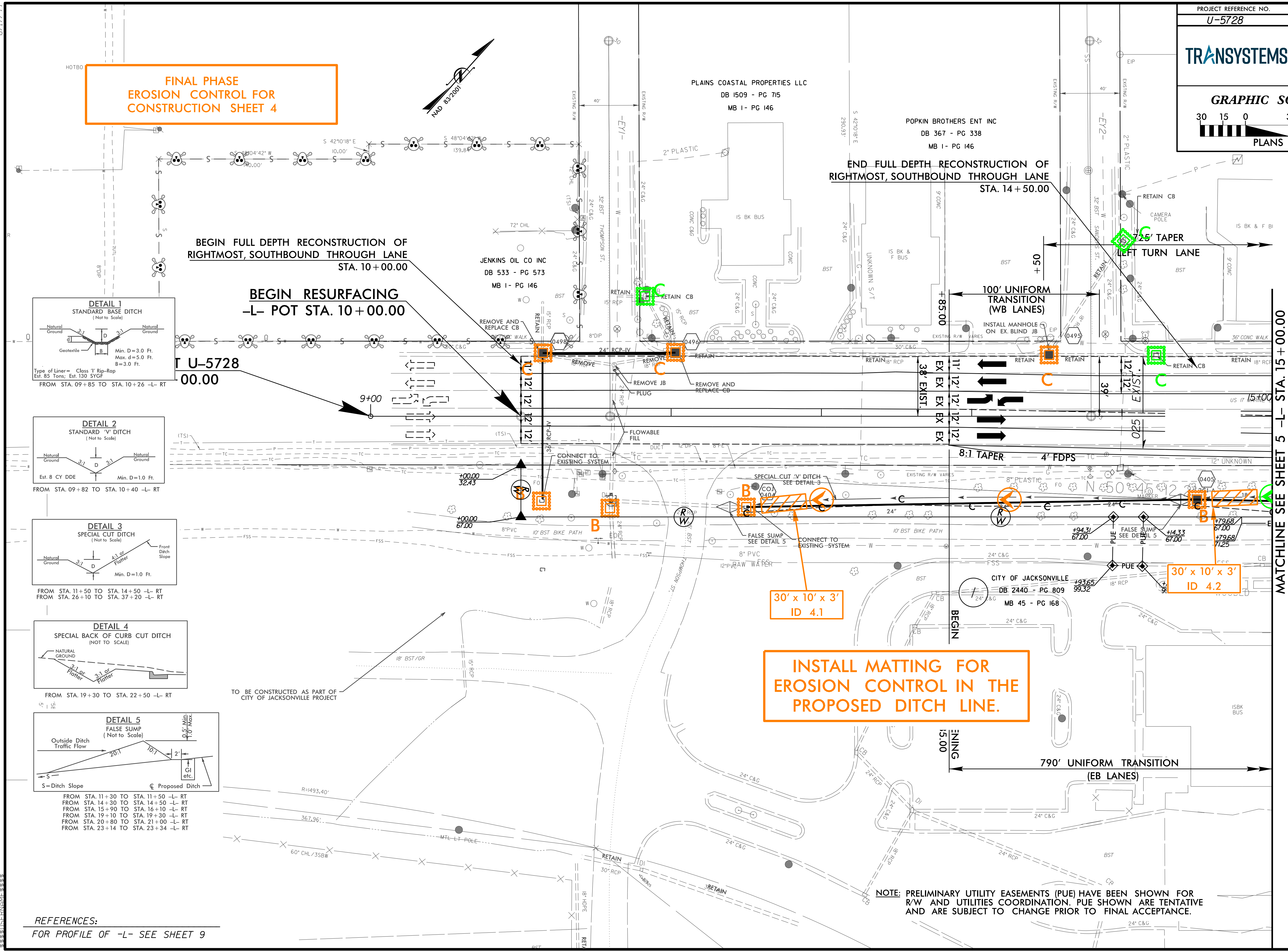
GRAPHIC SCALES

30 15 0 30 60
PLANS

**FINAL PHASE
EROSION CONTROL FOR
CONSTRUCTION SHEET 4**



REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9



**INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.**

**30' x 10' x 3'
ID 4.1**

**30' x 10' x 3'
ID 4.2**

NOTE: PRELIMINARY UTILITY EASEMENTS (PUE) HAVE BEEN SHOWN FOR R/W AND UTILITIES COORDINATION. PUE SHOWN ARE TENTATIVE AND ARE SUBJECT TO CHANGE PRIOR TO FINAL ACCEPTANCE.

PROJECT REFERENCE NO.
U-5728

SHEET NO.
EC-10/CONST.5

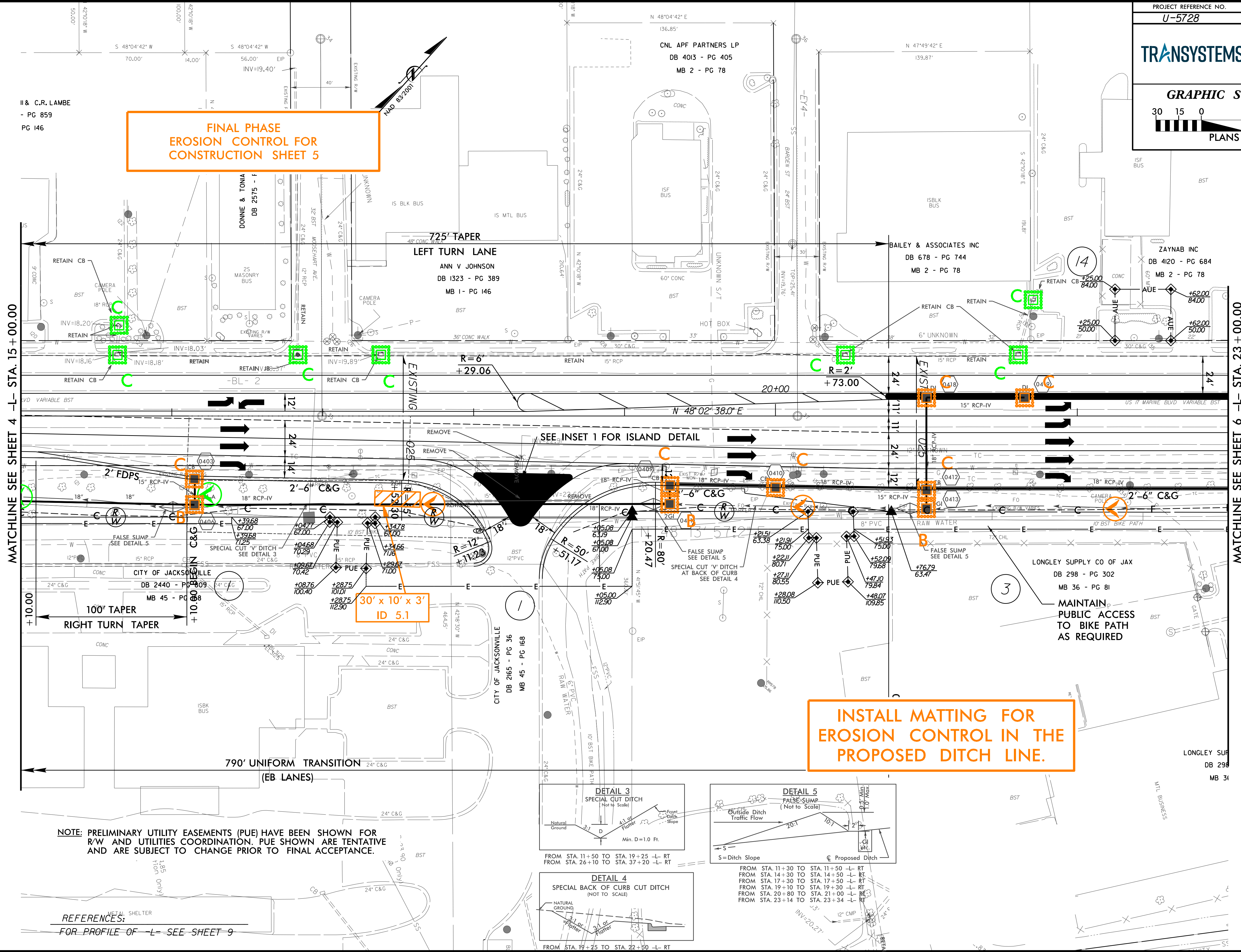
TRANSYSTEMS

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Fax: 919.789.9591
License: F-0453

GRAPHIC SCALES

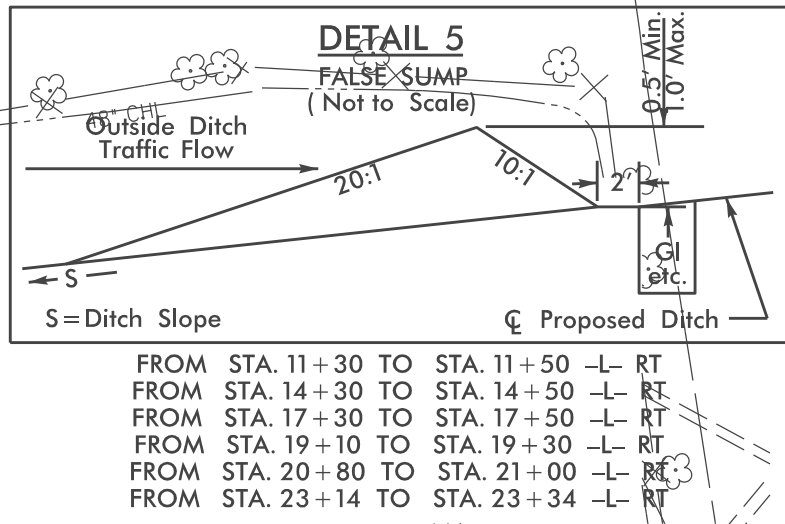
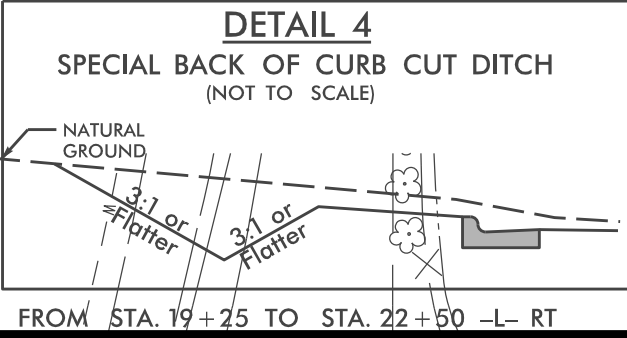
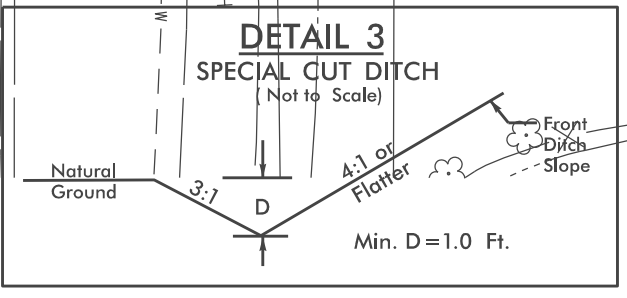
30 15 0 30 60

PLANS



NOTE: PRELIMINARY UTILITY EASEMENTS (PUE) HAVE BEEN SHOWN FOR R/W AND UTILITIES COORDINATION. PUE SHOWN ARE TENTATIVE AND ARE SUBJECT TO CHANGE PRIOR TO FINAL ACCEPTANCE.

REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9





REFERENCES:
FOR PROFILE OF -L- SEE SHEET 9

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

END TIP PROJECT U-5728
-L- STA. 39 + 35.21

END OVERLAY AND
WIDENING
-L STA. 36 + 30.00

