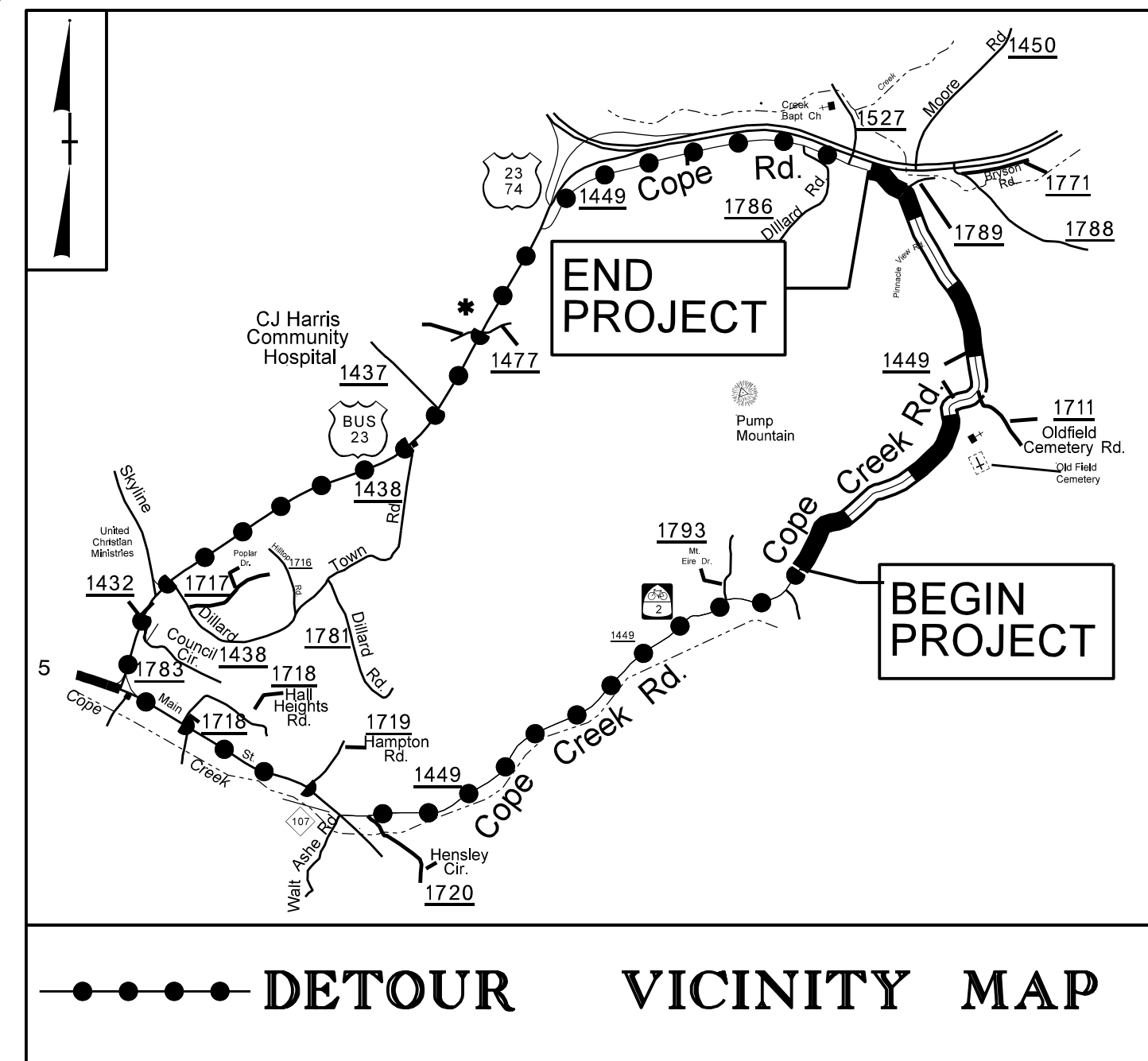


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TIP PROJECT: R-5206

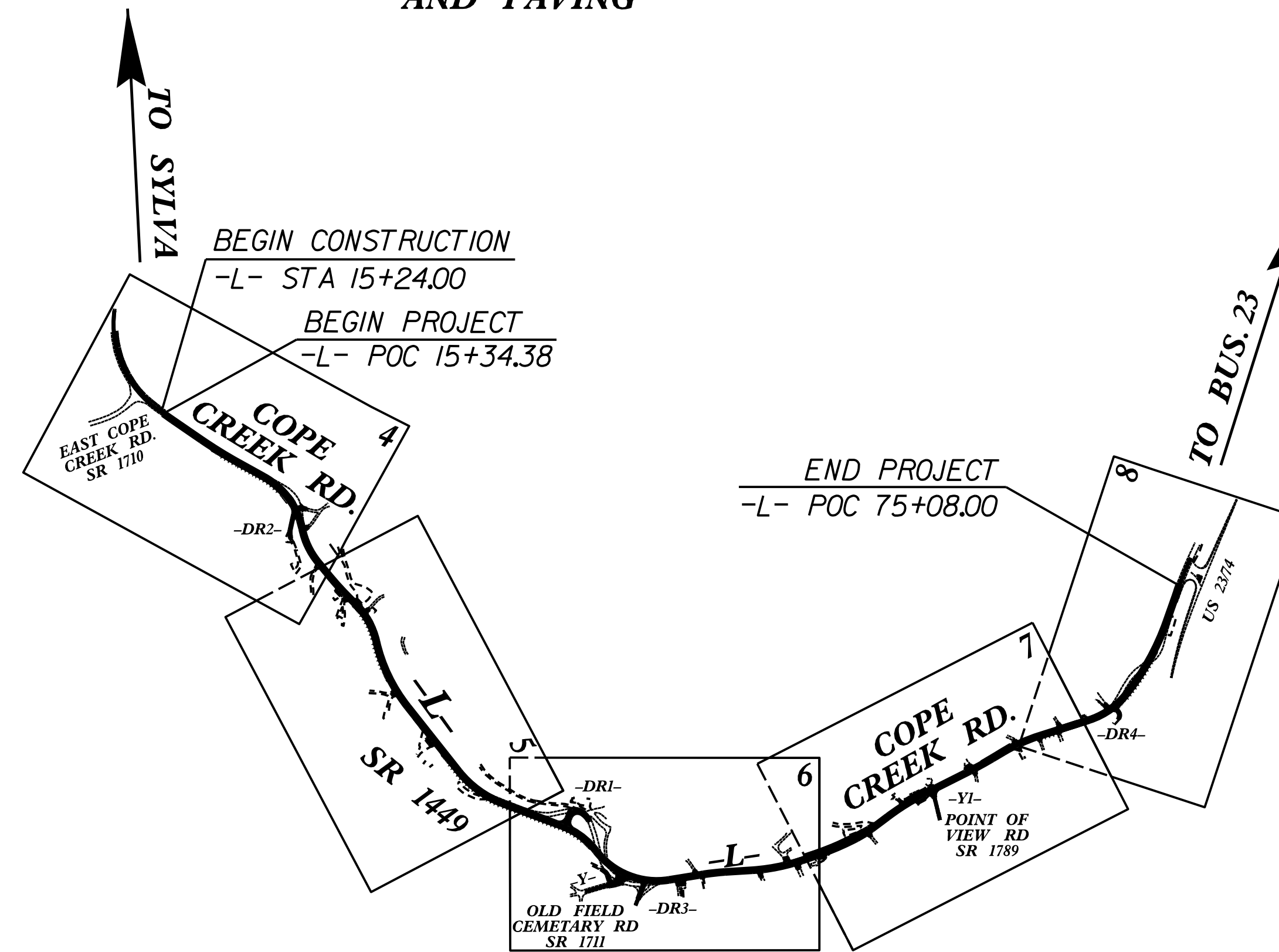


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

JACKSON COUNTY

LOCATION: IMPROVEMENT TO COPE CREEK ROAD FROM EAST COPE CREEK ROAD (SR 1710) TO US 74.

TYPE OF WORK: GRADING, DRAINAGE, EROSION CONTROL AND PAVING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5206	EC-1	14
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

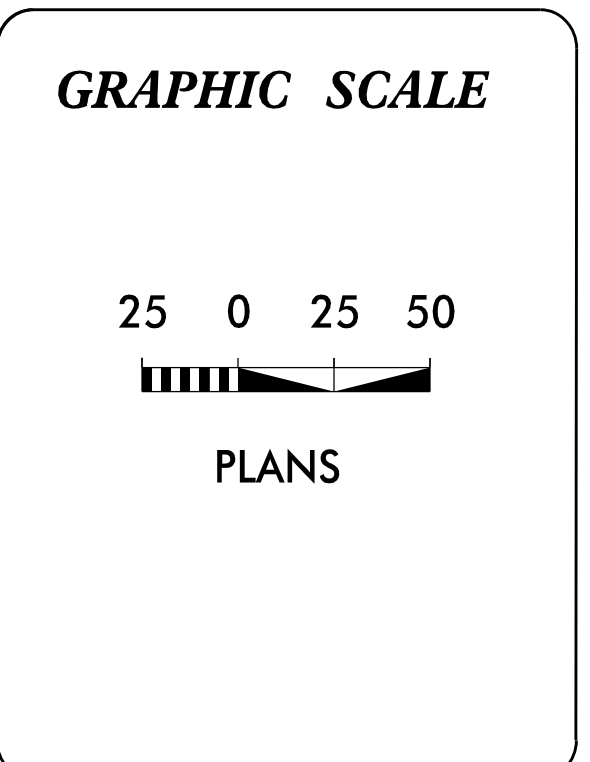
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	—
1630.05	Temporary Diversion	→
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	▲▲▲
1622.01	Temporary Berms and Slope Drains	—
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	—
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	—
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	▭

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

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E. C. Special Provisions for Special Considerations.



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

DAVID WEBB, P.E.
LEVEL III NAME

3244
LEVEL III CERTIFICATION NO.

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
SEPI
ENGINEERING & CONSTRUCTION
FOR THE NORTH CAROLINA DEPT. OF TRANSPORTATION
2012 STANDARD SPECIFICATIONS

1025 Wade Avenue
Raleigh, NC 27605
Tel: 919-789-9977
Fax: 919-789-9591
License: C-2197

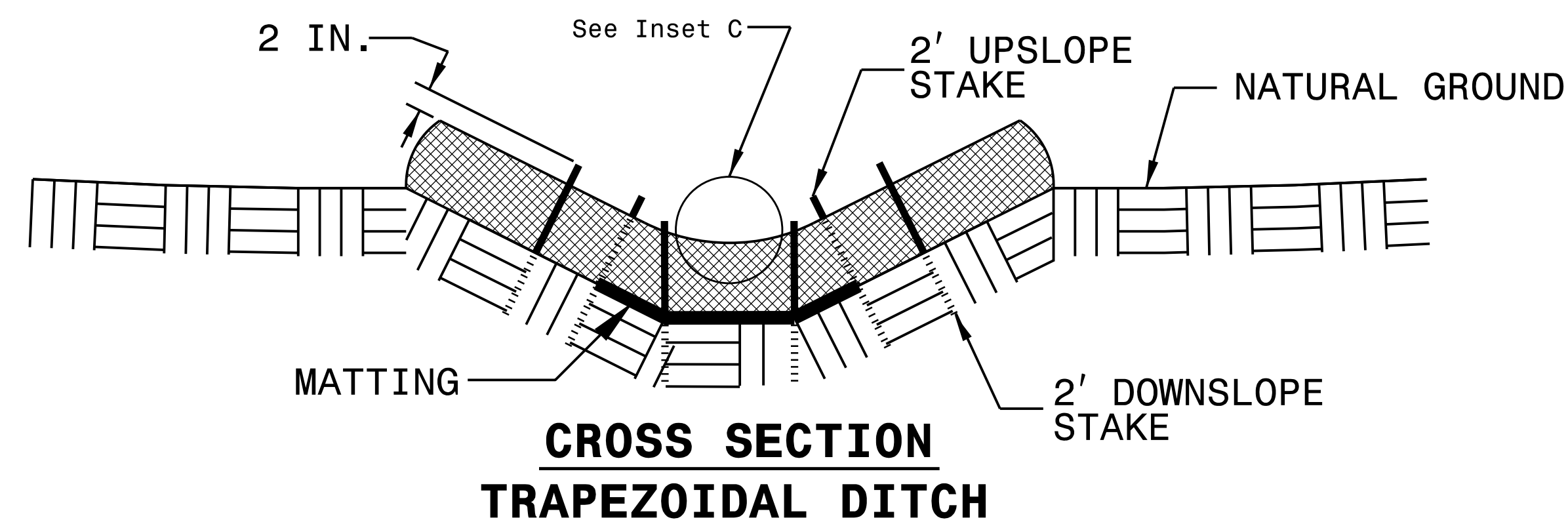
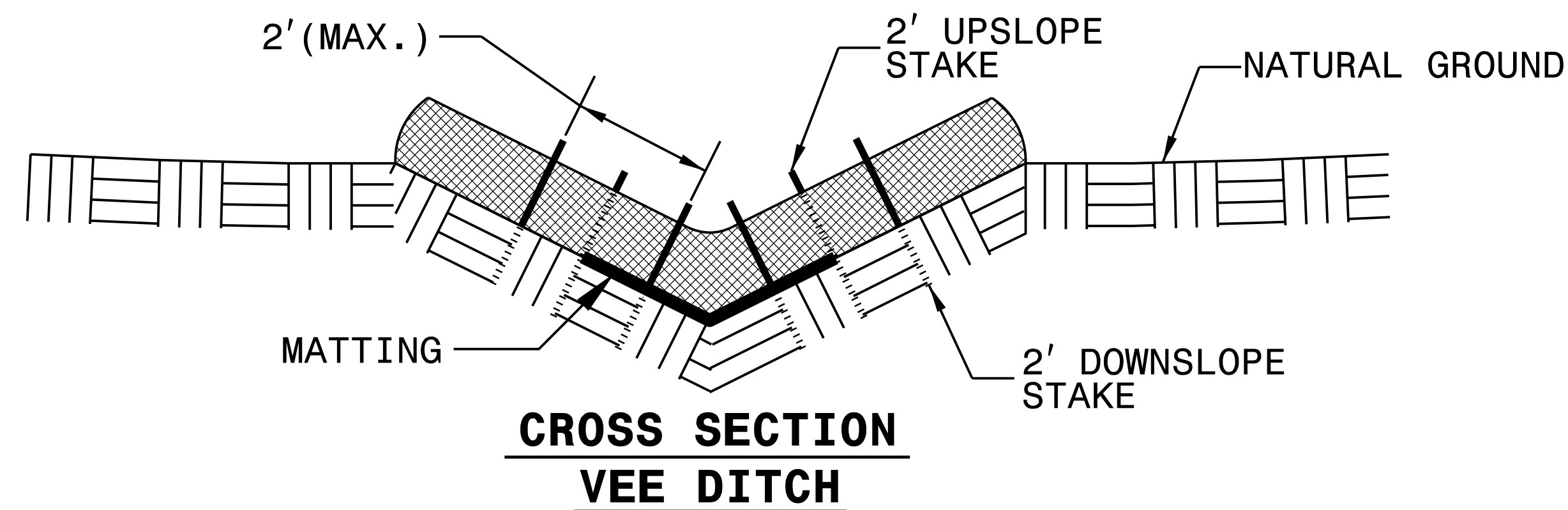
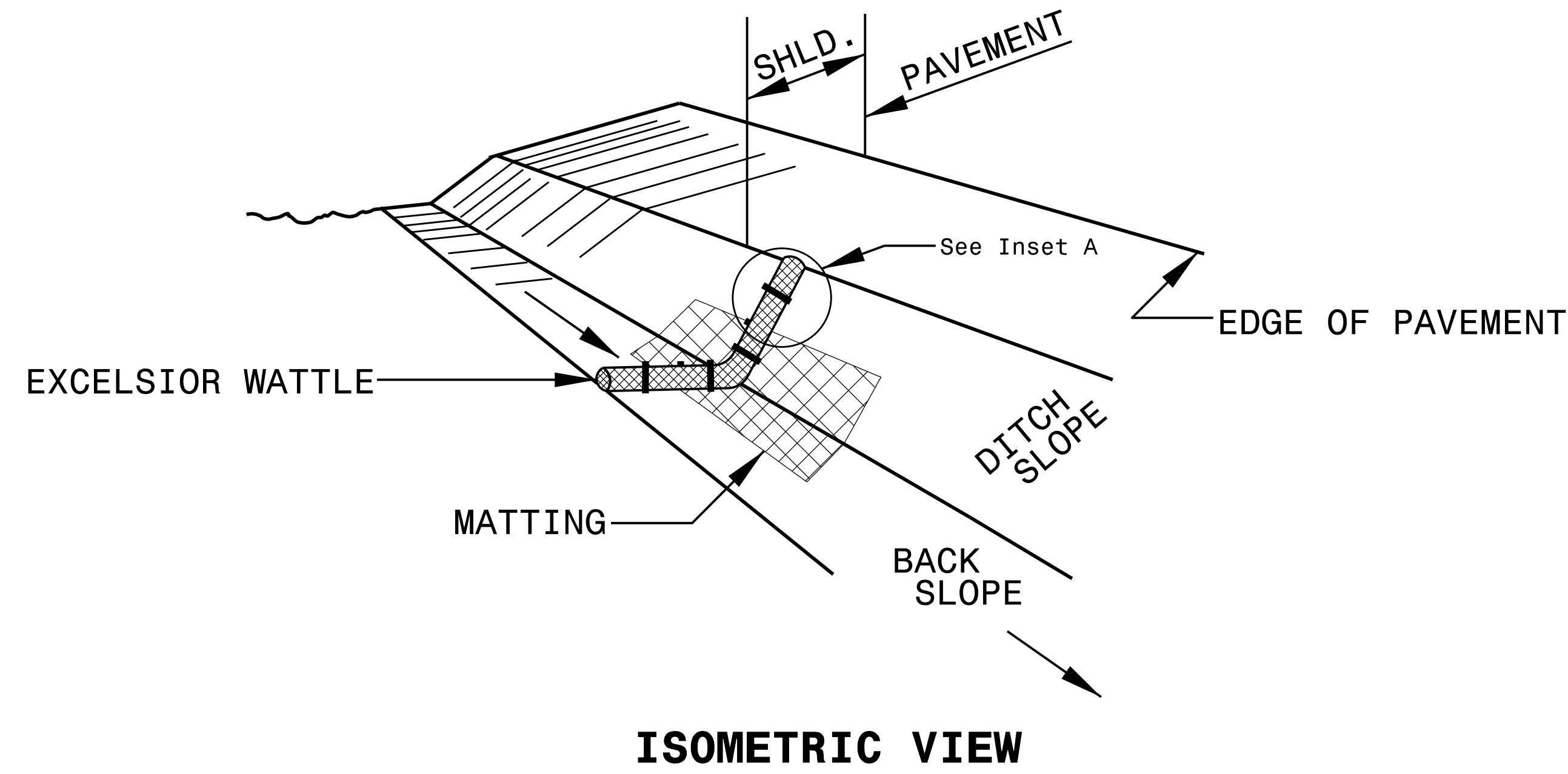
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

*****SYSTEMS ENGINEERING *****

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR 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.

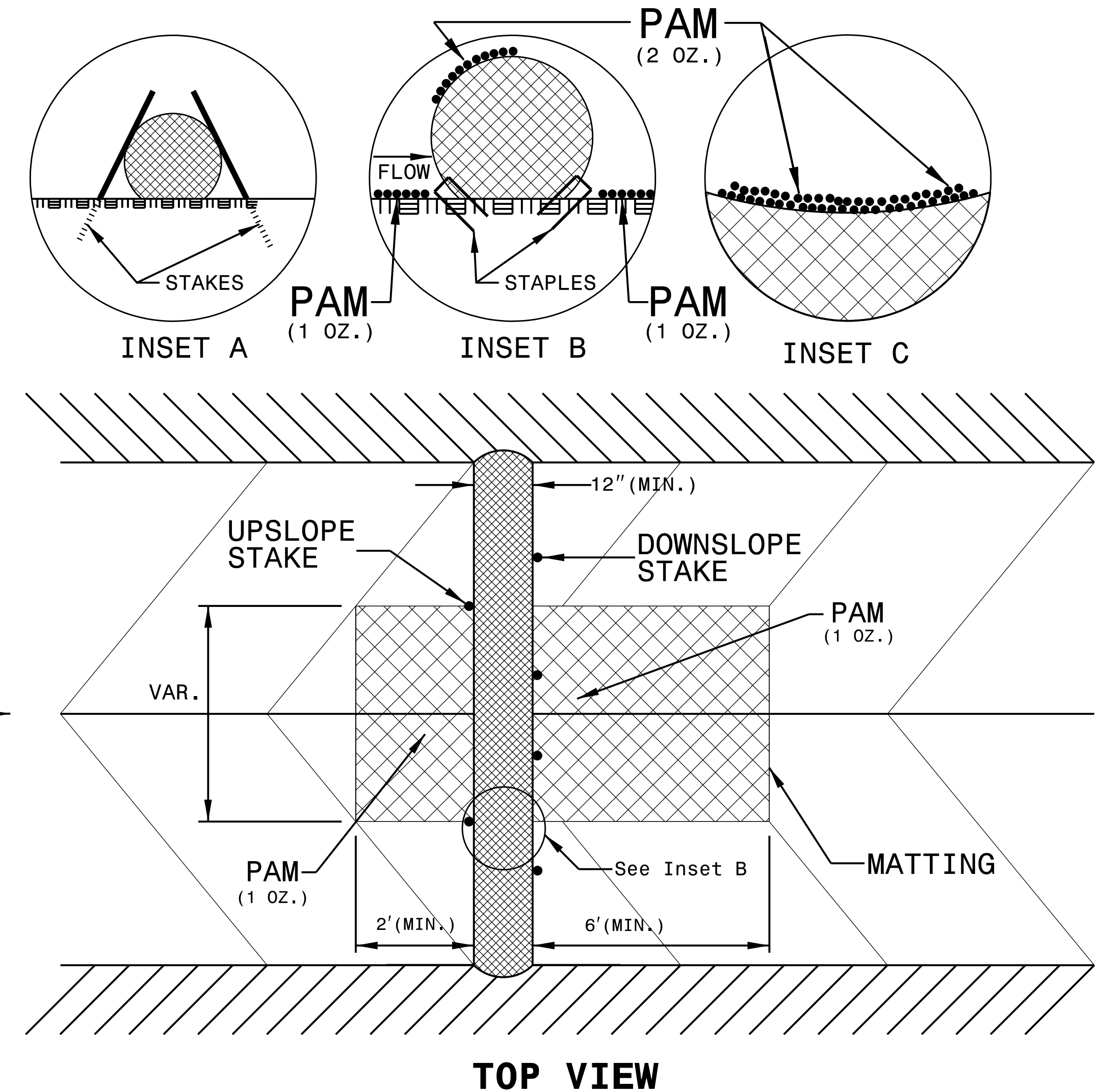
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

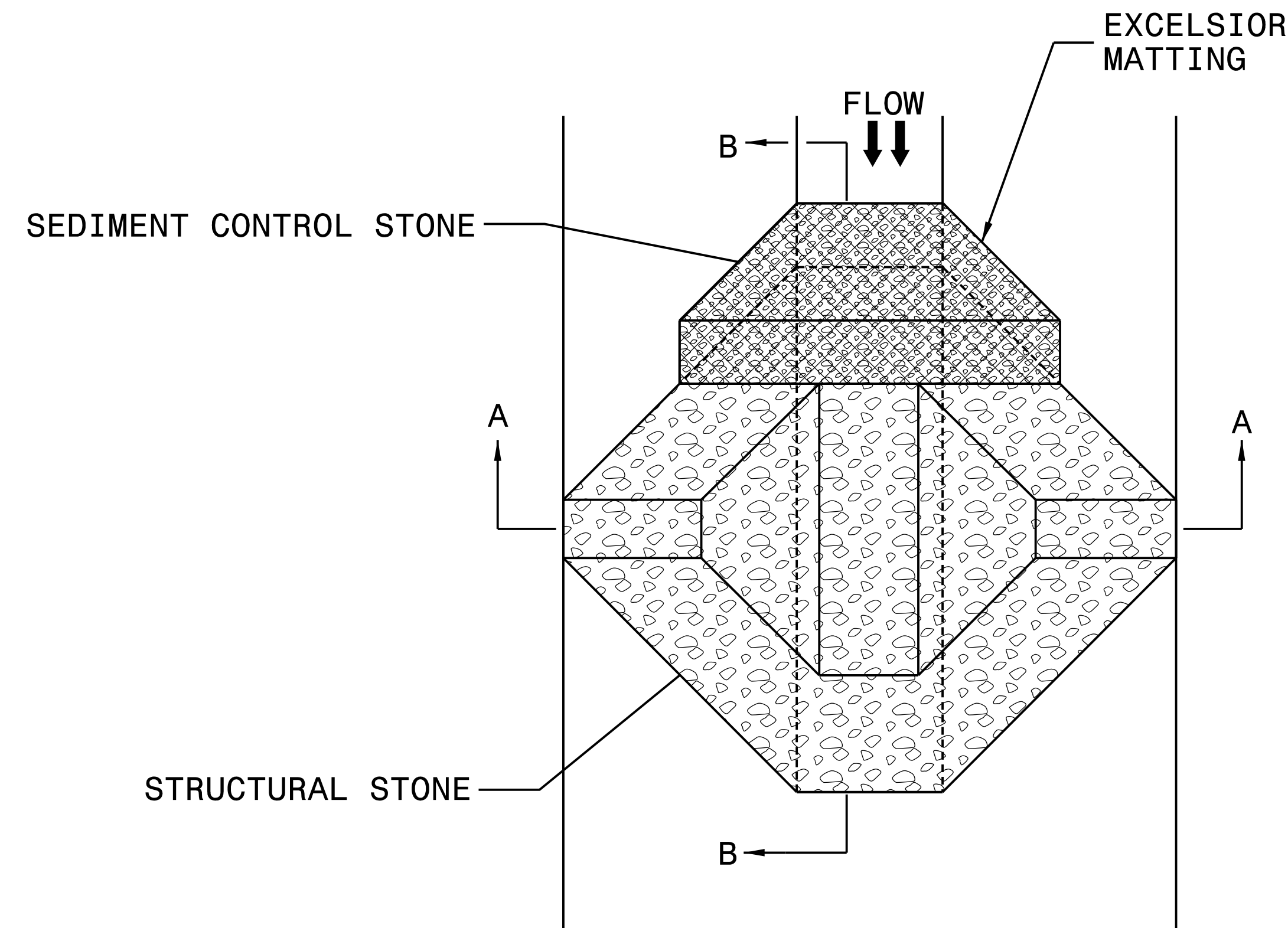
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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 WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



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



PLAN

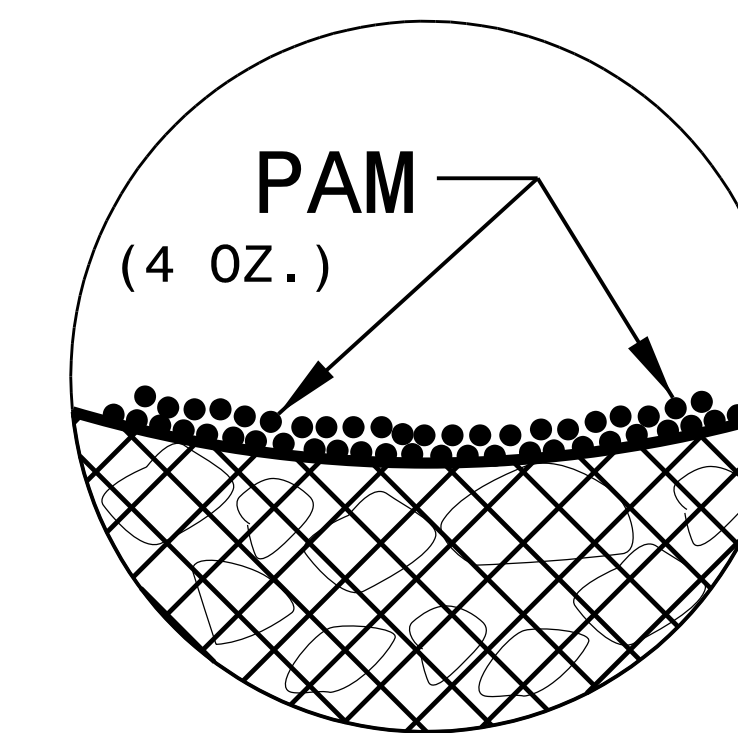
NOTES:

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

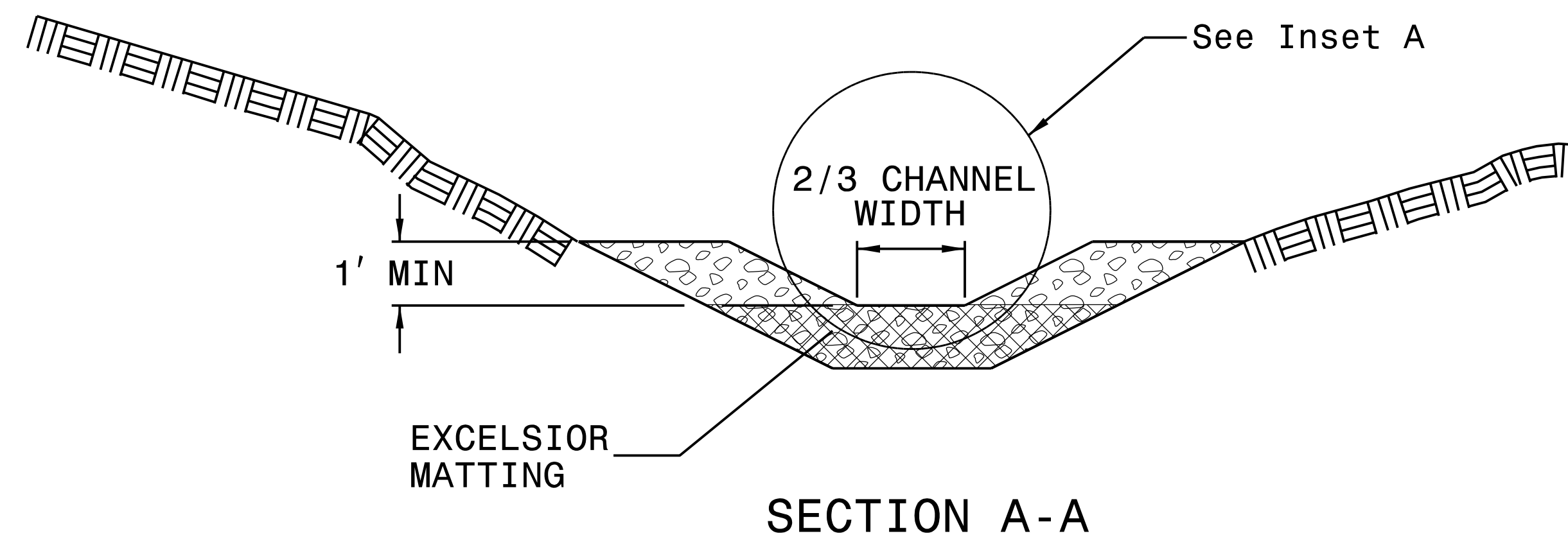
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

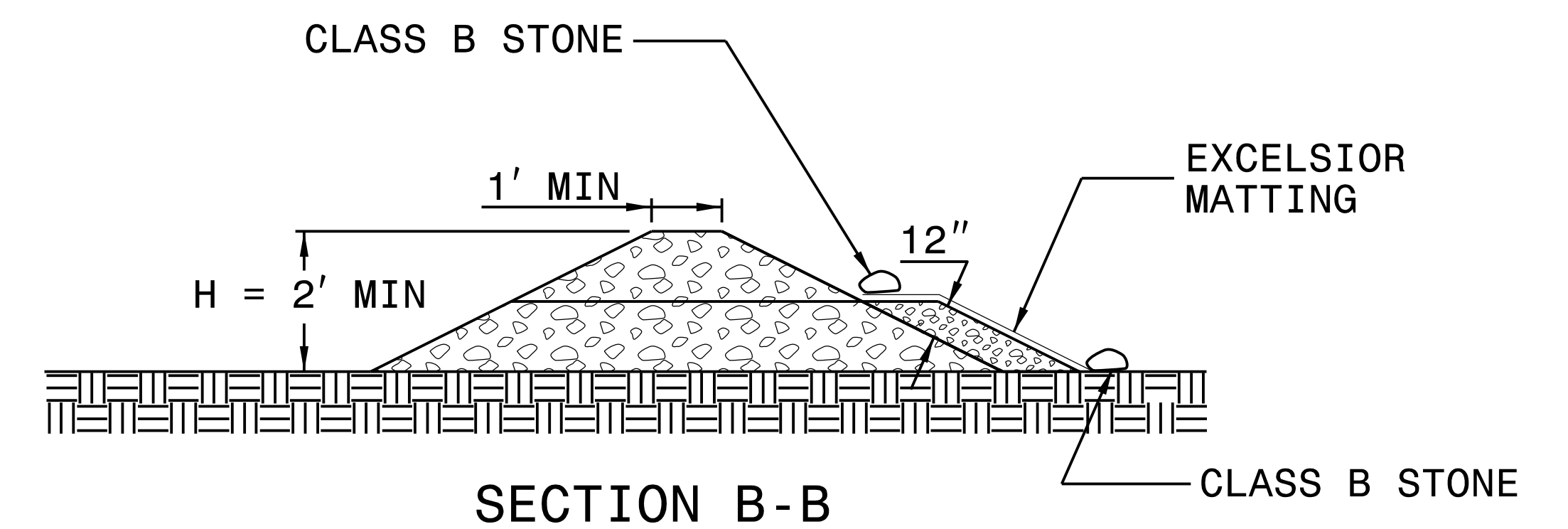
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



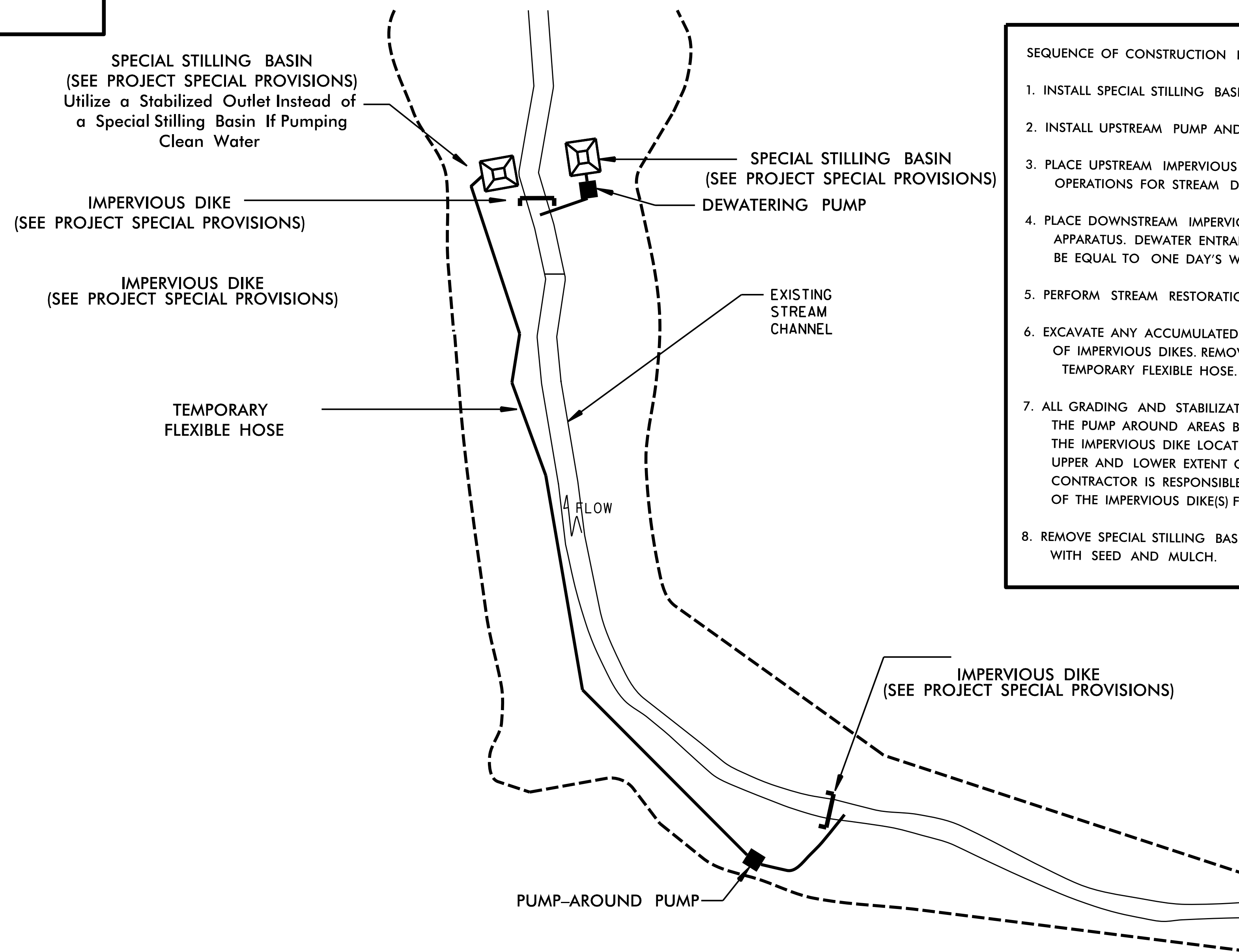
SECTION B-B

NOT TO SCALE

EXAMPLE OF PUMP-AROUND OPERATION

NOTES:

- 1) All excavation shall be performed in only dry or isolated sections of channel.
- 2) Impervious dikes are to be used to isolate work from stream flow when necessary.
- 3) All graded areas shall be stabilized within 24 hours.
- 4) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
- 5) Pumps and hoses shall be of sufficient size to dewater the work area.



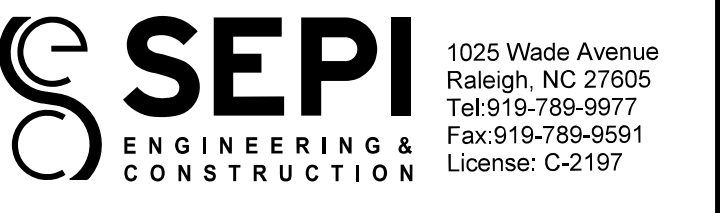
SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA

1. INSTALL SPECIAL STILLING BASIN(S).
2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
4. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
5. PERFORM STREAM RESTORATION WORK IN ACCORDANCE WITH THE PLANS.
6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
7. ALL GRADING AND STABILIZATION MUST BE COMPLETED IN ONE DAY WITHIN THE PUMP AROUND AREAS BETWEEN THE IMPERVIOUS DIKES. THE IMPERVIOUS DIKE LOCATIONS AS SHOWN ON THIS SHEET ONLY SHOW THE UPPER AND LOWER EXTENT OF WORK FOR EACH STREAM SEGMENT. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF THE IMPERVIOUS DIKE(S) FOR EACH DAY'S WORK.
8. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

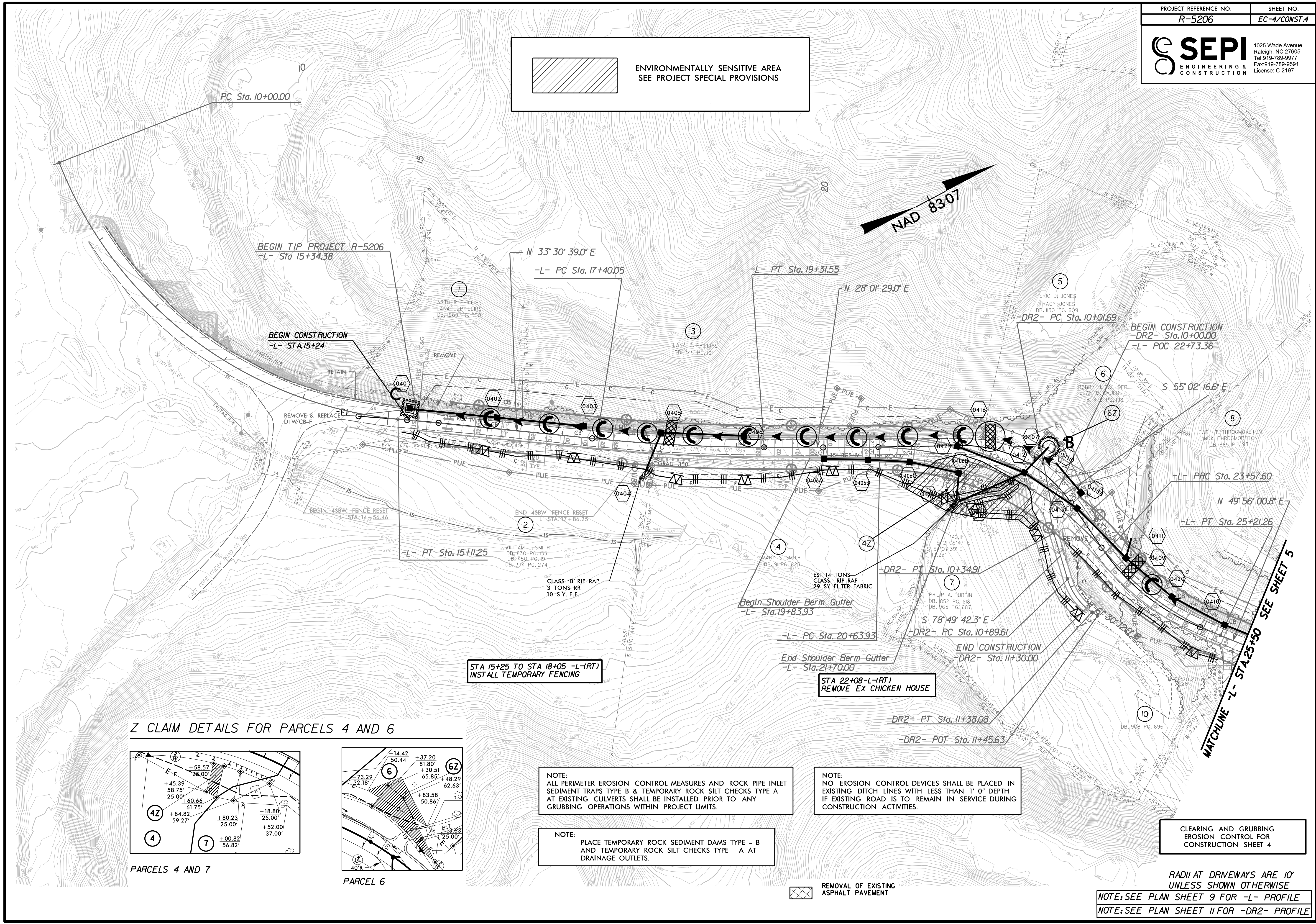
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

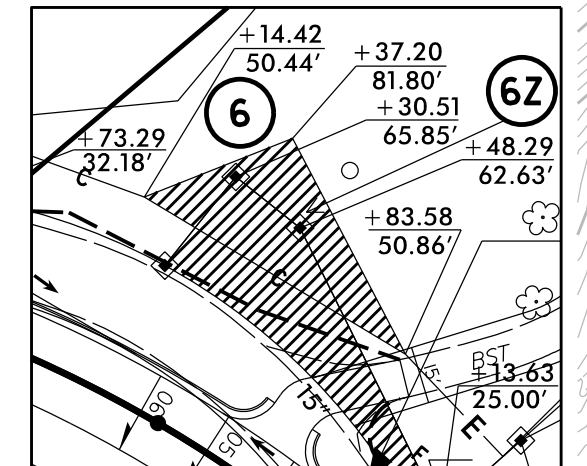
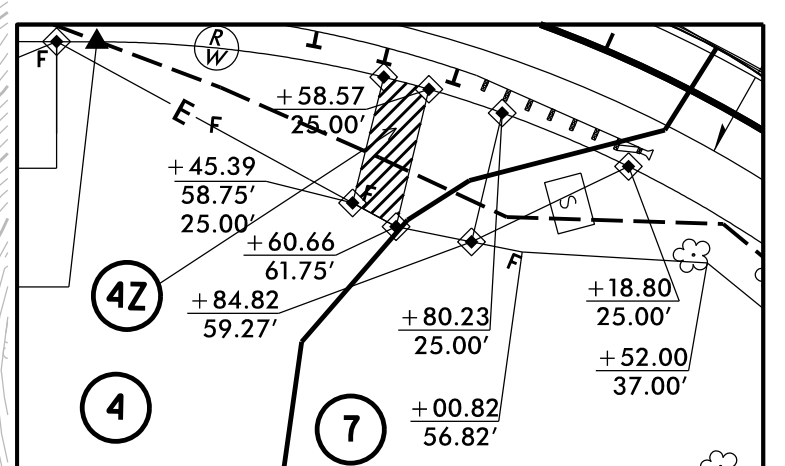
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



Z CLAIM DETAILS FOR PARCELS 4 AND 6



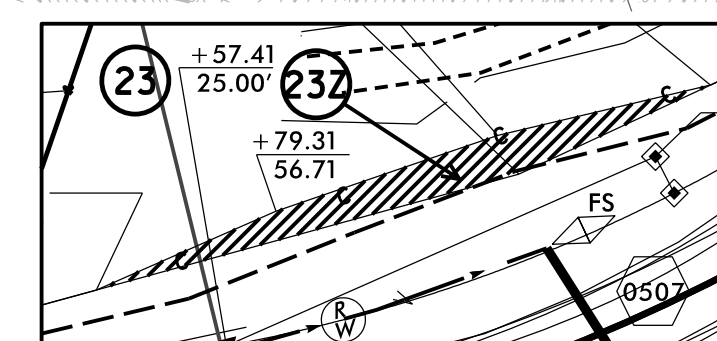
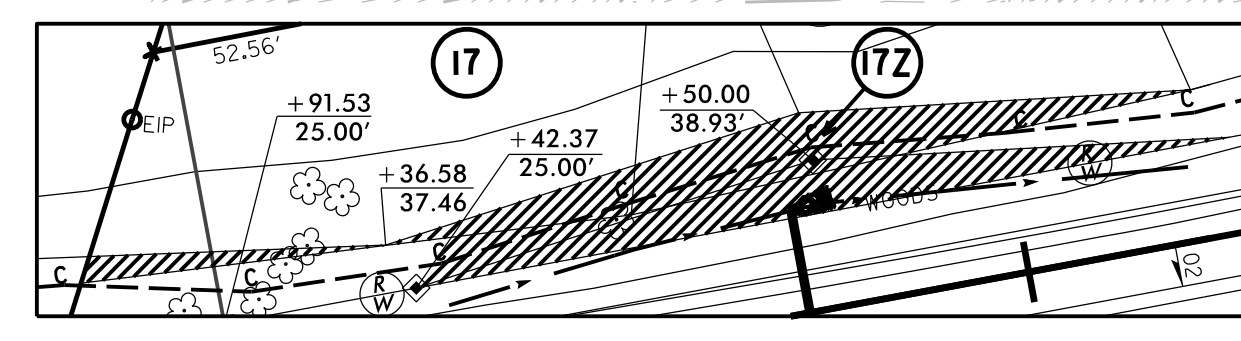
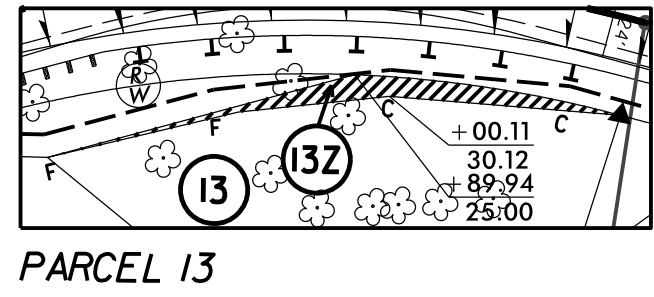
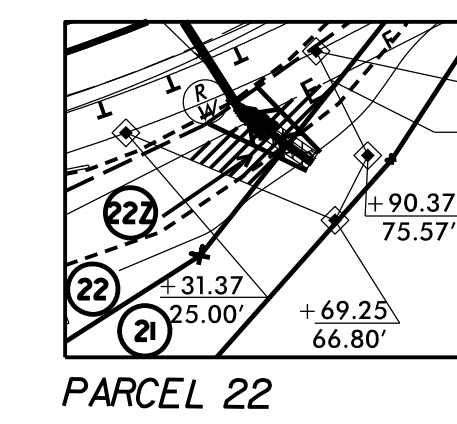
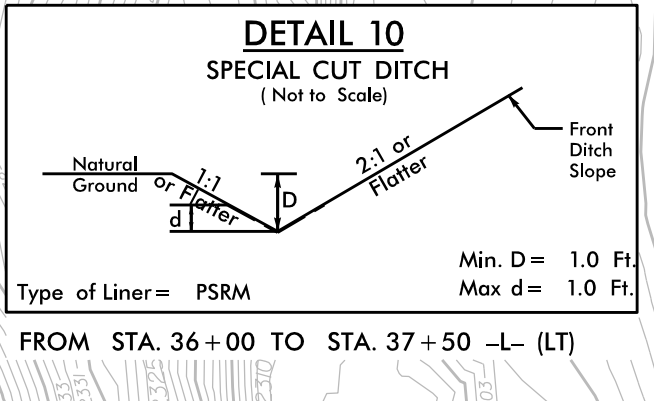
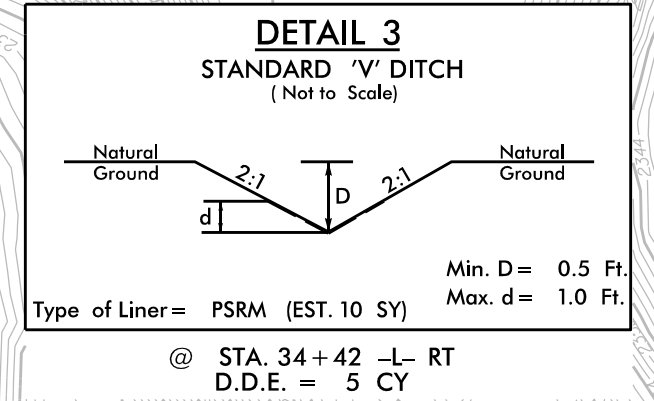
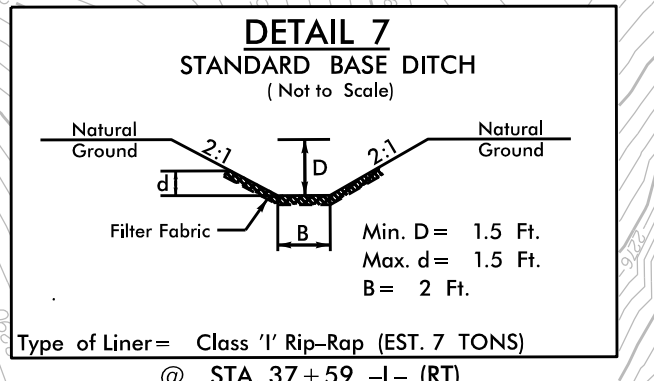
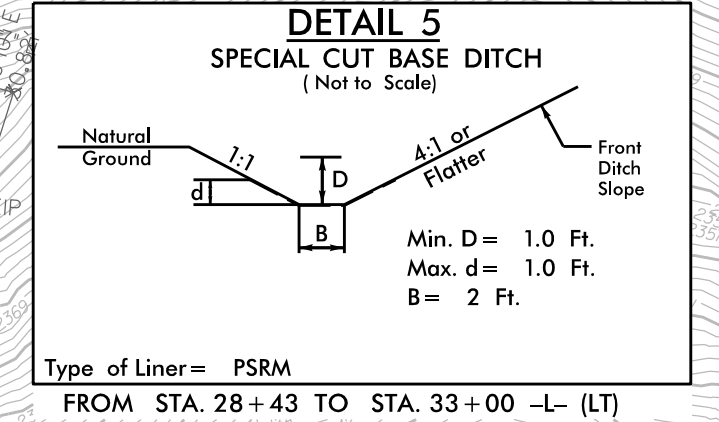
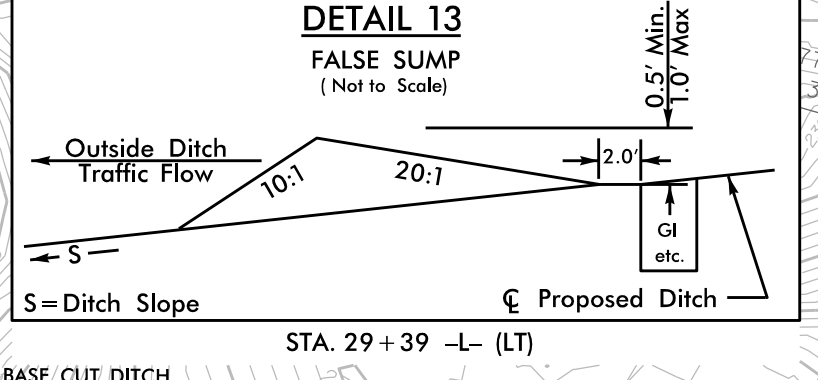
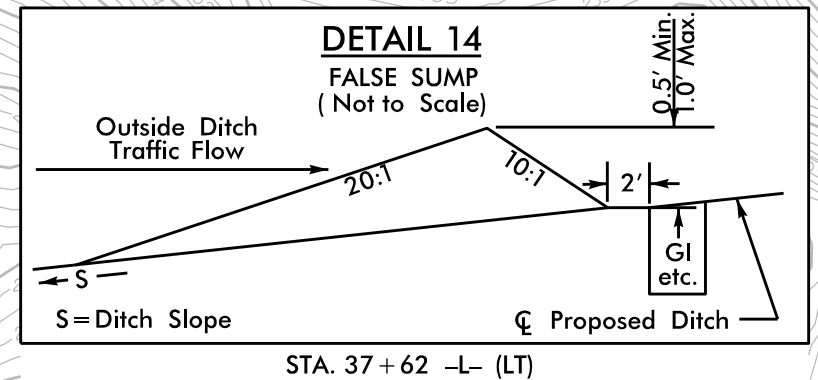
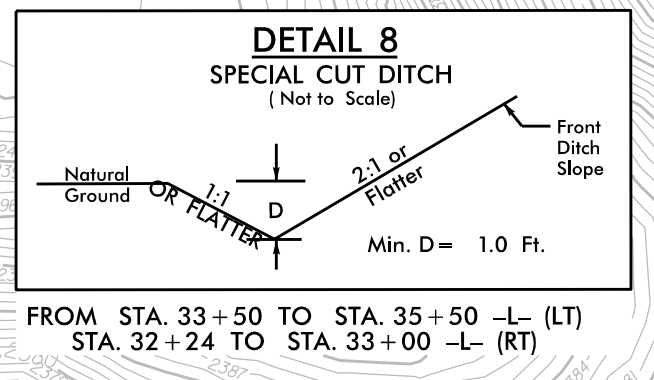
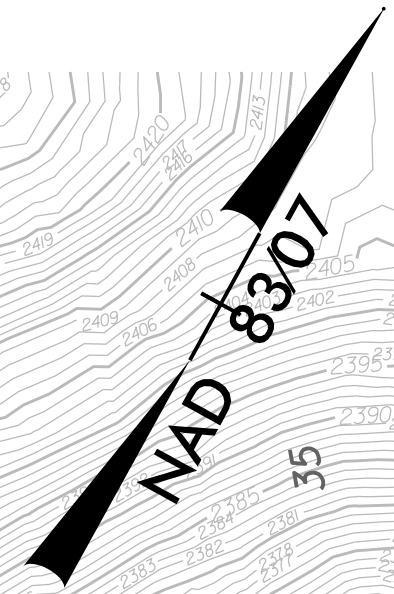
STA 15+25 TO STA 18+05 -L-(RT)
INSTALL TEMPORARY FENCING

STA 22+08 -L-(RT)
REMOVE EX CHICKEN HOUSE

NOTE:
 ALL PERIMETER EROSION CONTROL MEASURES AND ROCK PIPE INLET SEDIMENT TRAPS TYPE B & TEMPORARY ROCK SILT CHECKS TYPE A AT EXISTING CULVERTS SHALL BE INSTALLED PRIOR TO ANY GRUBBING OPERATIONS WITHIN PROJECT LIMITS.

NOTE:
 NO EROSION CONTROL DEVICES SHALL BE PLACED IN EXISTING DITCH LINES WITH LESS THAN 1'-0" DEPTH IF EXISTING ROAD IS TO REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES.

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

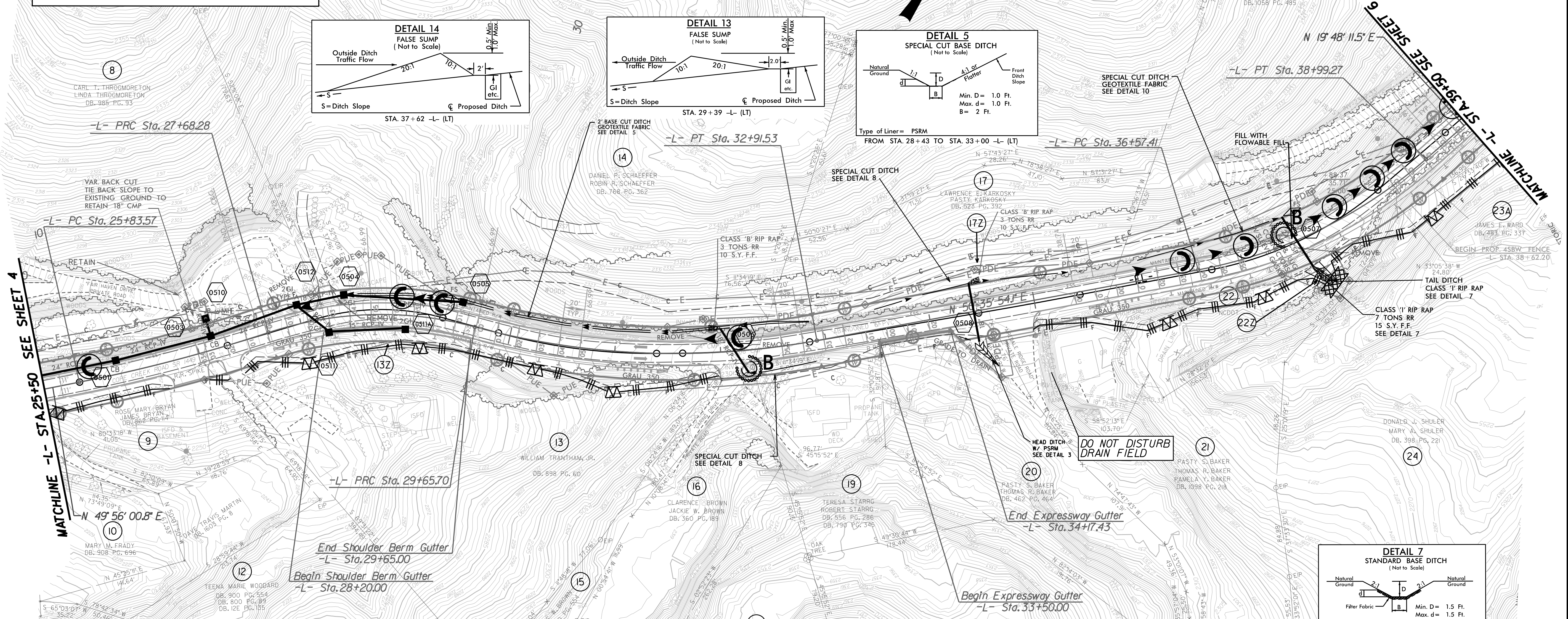


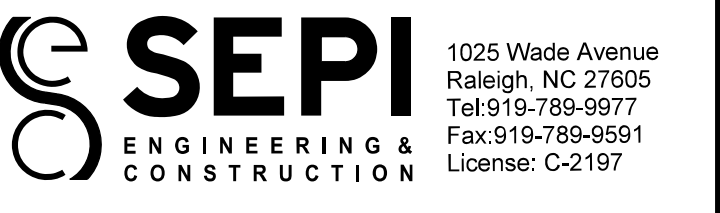
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

RADIAT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

NOTE: SEE PLAN SHEET 9 & 10 FOR -L- PROFILE

Z CLAIM DETAILS FOR PARCELS 13, 17, AND 22





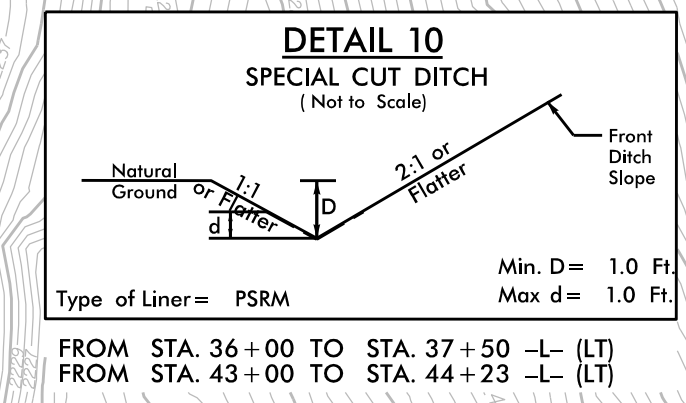
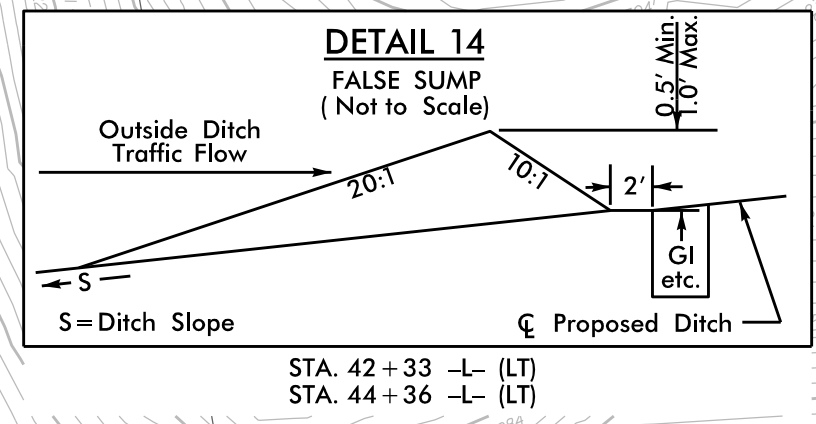
9/17/2013 - ROW Revision, Revised Z claims for parcels 23A, 27, 29 & 31. WBC

MATCHLINE -L- STA. 39+50 SEE SHEET 5

NOTE: ALL PERIMETER EROSION CONTROL MEASURES AND ROCK PIPE INLET SEDIMENT TRAPS TYPE B & TEMPORARY ROCK SILT CHECKS TYPE A AT EXISTING CULVERTS SHALL BE INSTALLED PRIOR TO ANY GRUBBING OPERATIONS WITHIN PROJECT LIMITS.

NOTE: NO EROSION CONTROL DEVICES SHALL BE PLACED IN EXISTING DITCH LINES WITH LESS THAN 1'-0" DEPTH IF EXISTING ROAD IS TO REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES.

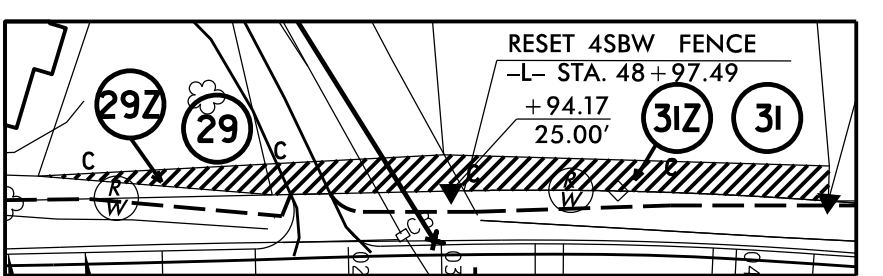
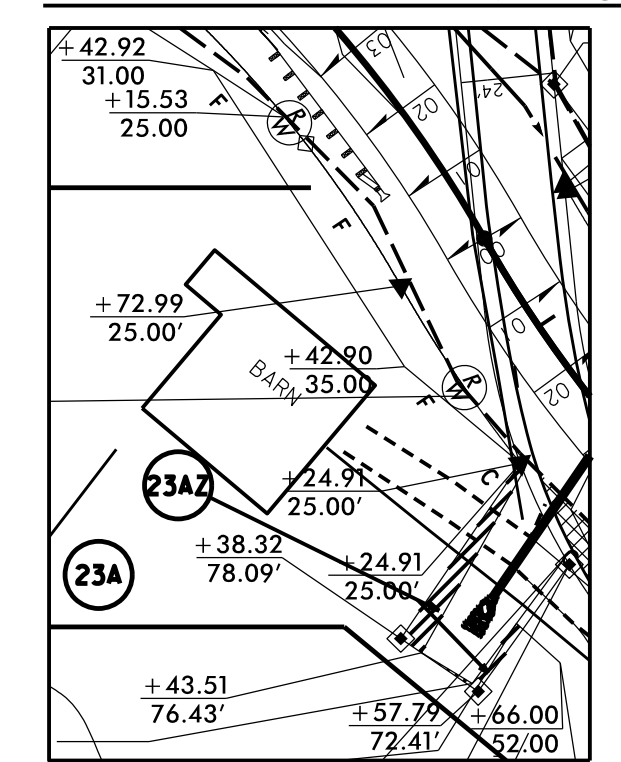
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.



STA 44+36-L-(LT) CONSTRUCT FALSE SUMP IN PROPOSED DITCH.

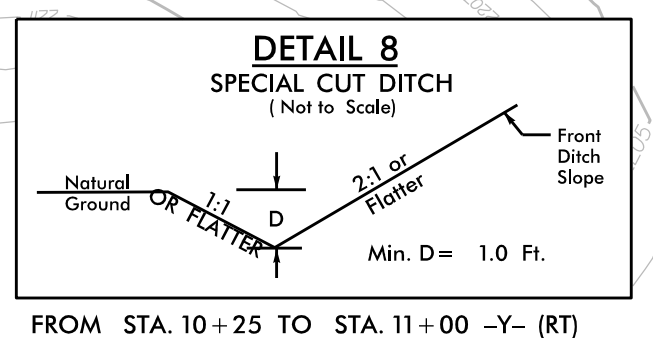
NAD 8307

Z CLAIM DETAILS FOR PARCELS 23A, 29, AND 31

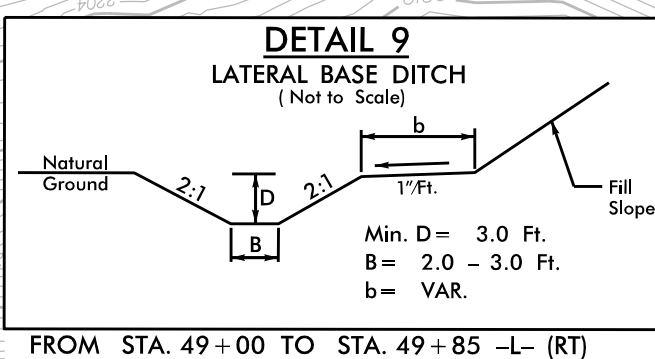


PARCEL 23A

PARCELS 29 AND 31



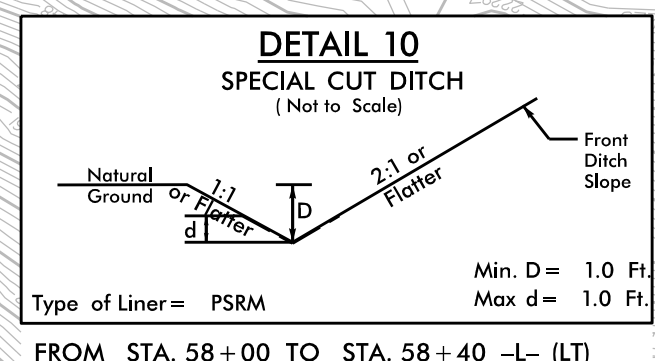
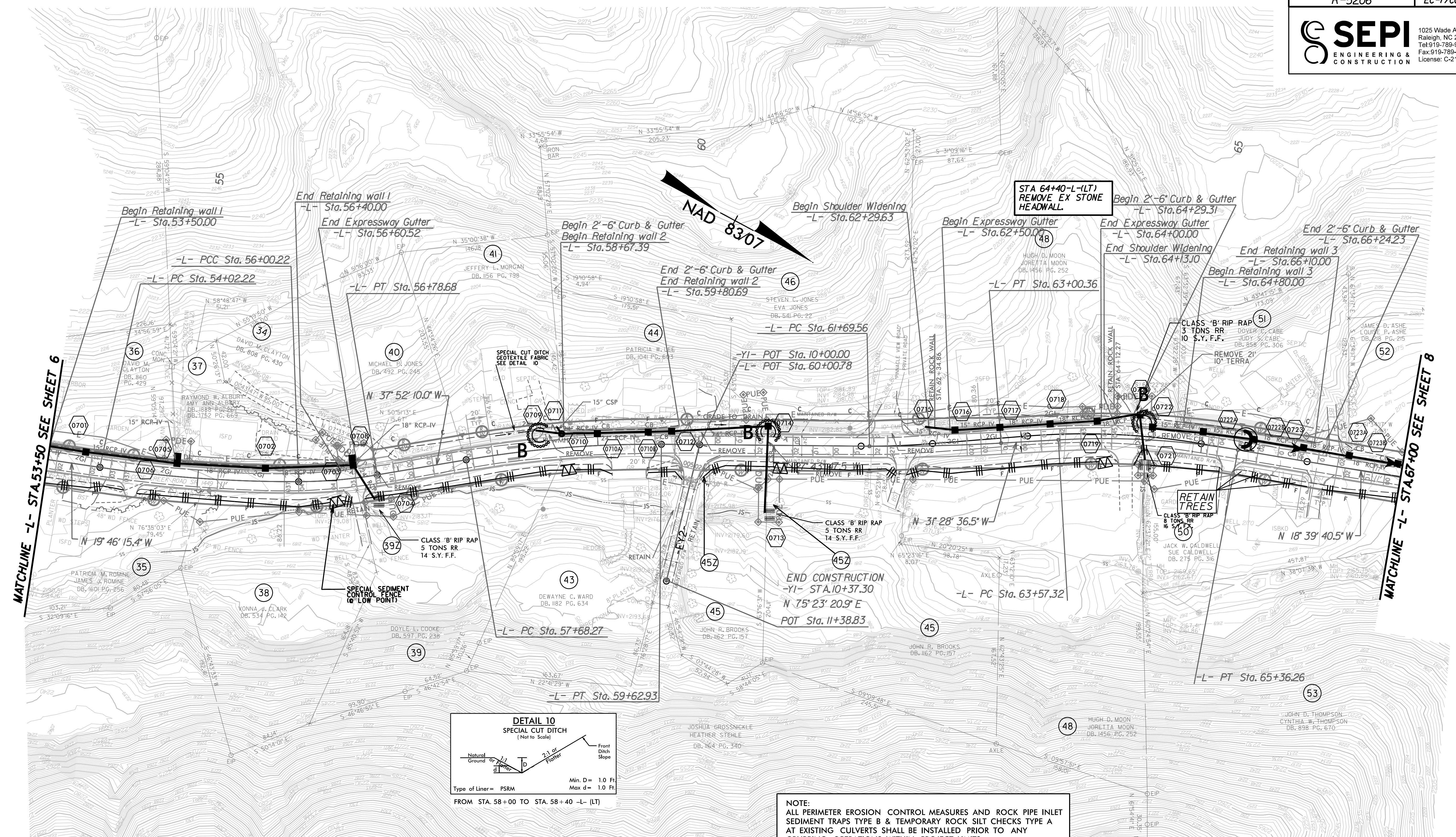
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6



NOTES:
1. UTILIZE IMPERVIOUS DIKE AS SHOWN ON THE PLANS IN ORDER TO BUILD THE PROPOSED 3' LATERAL BASE DITCH IN THE DRY, PRIOR TO REMOVAL OF EXISTING 24\"/>

NOTE: SEE PLAN SHEET 10 FOR -L- PROFILE
NOTE: SEE PLAN SHEET 11 FOR -Y- PROFILE
NOTE: SEE PLAN SHEET 11 FOR -DRI- PROFILE
NOTE: SEE PLAN SHEET 12 FOR -DR3- PROFILE

MATCHLINE -L- STA. 53+50 SEE SHEET 7



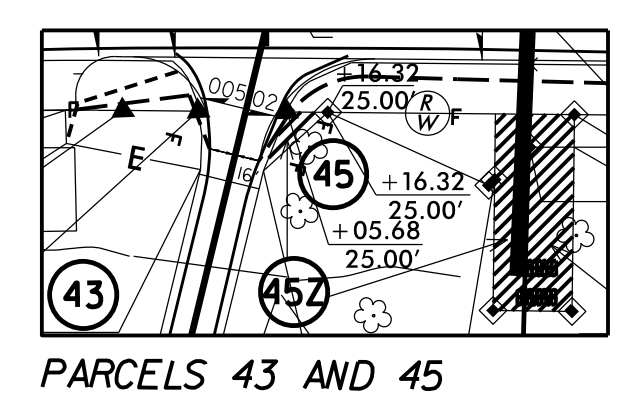
NOTE:
ALL PERIMETER EROSION CONTROL MEASURES AND ROCK PIPE INLET SEDIMENT TRAPS TYPE B & TEMPORARY ROCK SILT CHECKS TYPE A AT EXISTING CULVERTS SHALL BE INSTALLED PRIOR TO ANY GRUBBING OPERATIONS WITHIN PROJECT LIMITS.

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

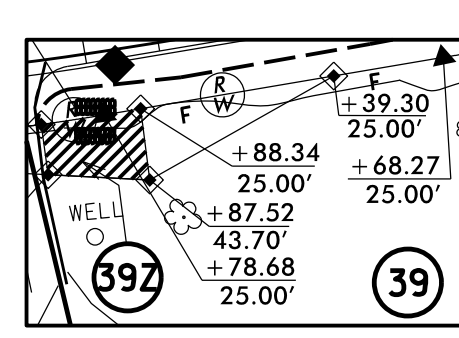
NOTE:
NO EROSION CONTROL DEVICES SHALL BE PLACED IN EXISTING DITCH LINES WITH LESS THAN 1'-0" DEPTH IF EXISTING ROAD IS TO REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

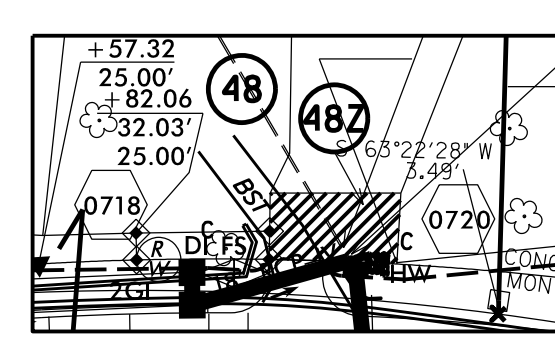
Z CLAIM DETAILS FOR PARCELS 39, 45 AND 48



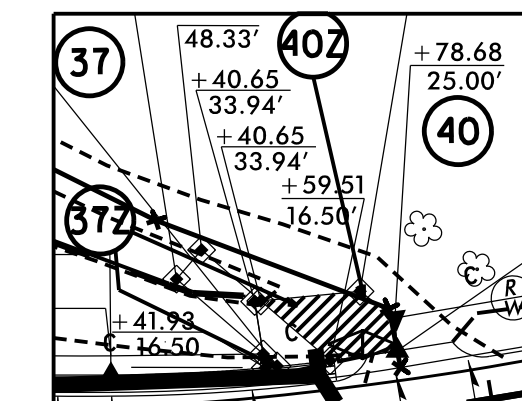
PARCELS 43 AND 45



PARCEL 39



PARCEL 48

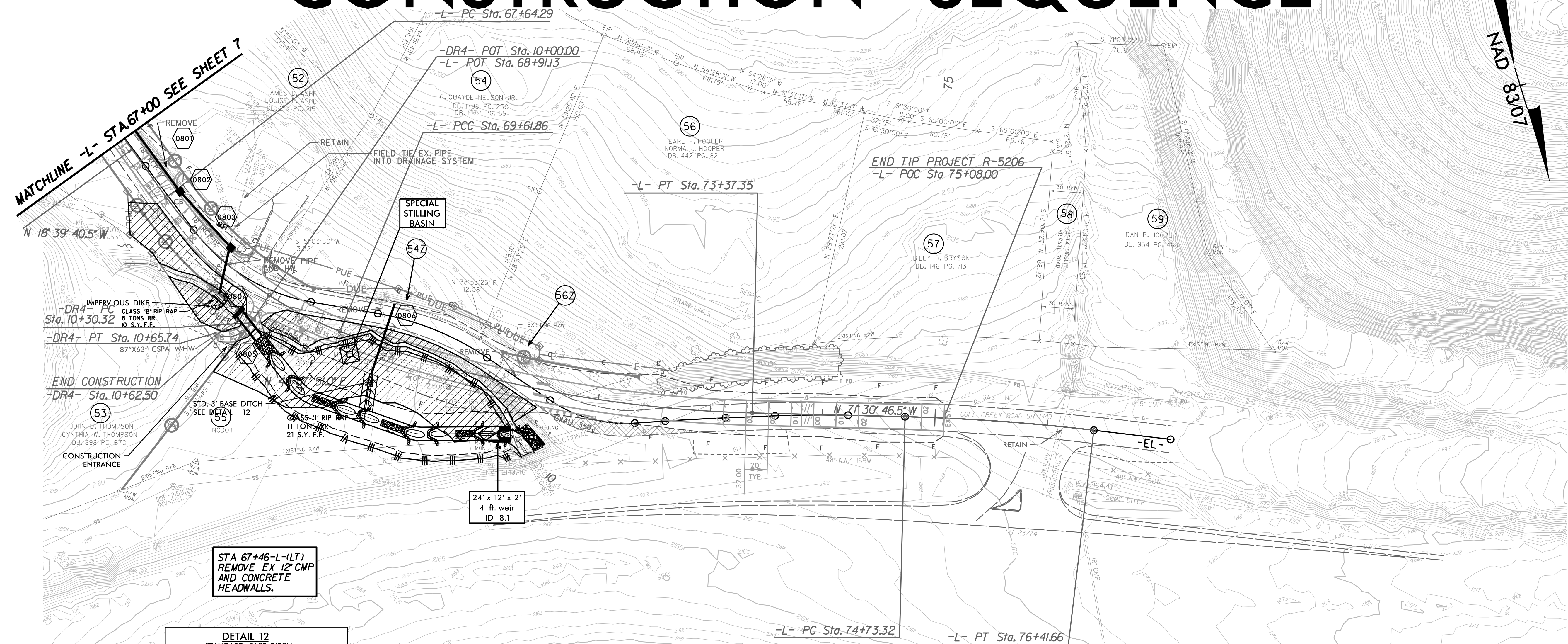


PARCELS 37 AND 40

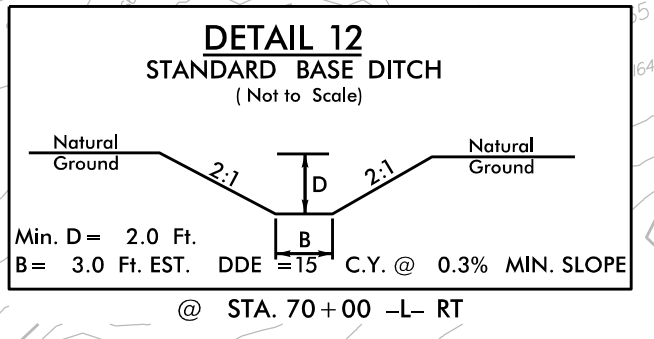
RADI AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

NOTE: SEE PLAN SHEET 10 FOR -L- PROFILE

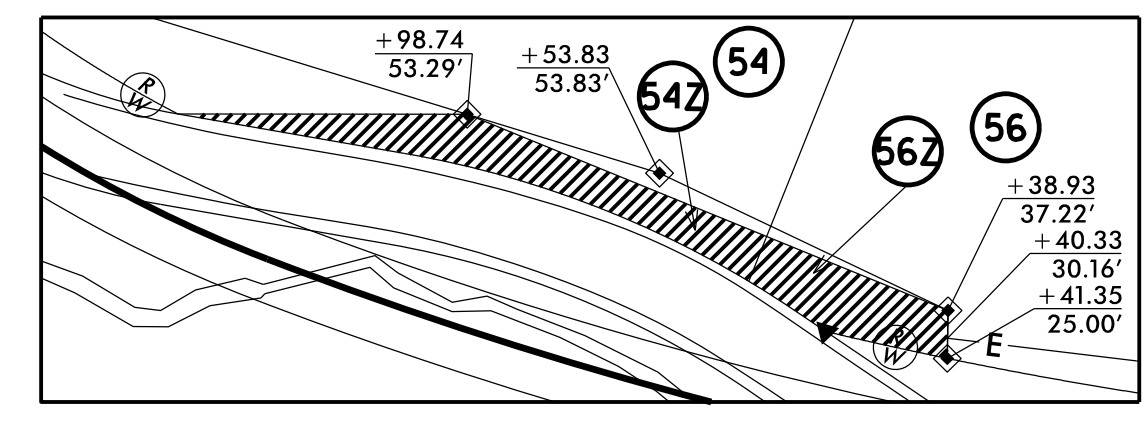
STREAM RELOCATION CONSTRUCTION SEQUENCE



STA 67+46 -L- (LT)
 REMOVE EX 12" CMP
 AND CONCRETE
 HEADWALLS.



Z CLAIM DETAILS FOR PARCELS 54, AND 56



PARCELS 54 AND 56

- STREAM RELOCATION CONSTRUCTION SEQUENCE -L- RT**
- (A) CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE TO ACCESS WORK AREA. CLEAR, BUT DO NOT GRUB AREA WITHIN 50 FEET OF TOP OF BANK FOR THE EXISTING STREAM TO BE RELOCATED.
 - (B) CONSTRUCT AND STABILIZE, WITH VEGETATION OR EROSION CONTROL MATERIALS SUFFICIENT TO RESTRAIN EROSION, THE PROPOSED STREAM CHANNEL RELOCATION AS SHOWN ON THE PLANS.
 - (C) UTILIZE SEDIMENT DAM 'B' AS SHOWN ON PLANS TO PROVIDE TREATMENT OF STORMWATER WHICH FALLS WITHIN THE WORK AREA FOR THE CHANNEL RELOCATION.
 - (D) INSTALL IMPERVIOUS DIKE UPSTREAM OF PROPOSED STR. 0804. UTILIZE PUMP AROUND TO DIVERT STREAM FLOW AWAY FROM WORK AREA WHERE EXISTING PIPE IS TO BE REMOVED, AND NEW CULVERT IS TO BE INSTALLED.
 - (E) REMOVE EXISTING 42" CMP. UTILIZE SPECIAL STILLING BASIN AS SHOWN ON PLANS FOR DEWATERING OF WORK AREA. INSTALL PROPOSED 87"x63" CSPA AS SHOWN ON PLANS.
 - (F) REPAIR TEMPORARY CONSTRUCTION ENTRANCE AS NECESSARY. ENSURE 1'-0" MINIMUM COVER OVER NEWLY INSTALLED CSPA.
 - (G) REMOVE SEDIMENT DAM 'B', AND DIVERT WATER INTO NEWLY CONSTRUCTED CHANNEL ONLY AFTER IT HAS BEEN STABILIZED AND APPROVED.
 - (H) BEGIN GRUBBING AND/OR GRADING WITHIN THE AREA CLEARED DURING STEP (A) ABOVE, WITHIN 50 FEET OF TOP OF BANK FOR THE EXISTING STREAM.

- NOTES:**
- (1) THE CONTRACTOR SHALL PERFORM SEEDING AND MULCHING AND INSTALL EROSION CONTROL MATTING TO ALL CUT/FILL SLOPES ADJACENT TO STREAM RELOCATIONS IN ACCORDANCE WITH THE CONTRACT.
 - (2) THE ABOVE REQUIREMENTS APPLY TO THE STREAM CHANNELS BEING CONSTRUCTED AT THE FOLLOWING STATIONS:
 APPROXIMATE STA. 68+55 TO 71+60 -L- RT



SEE SHEETS UTL-1 THROUGH UTL-2 FOR UTILITY DESIGN PLANS.

SEE SHEETS OSM-1 THROUGH OSM-11 FOR STREAM RELOCATION PLANS.

RADIUS AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

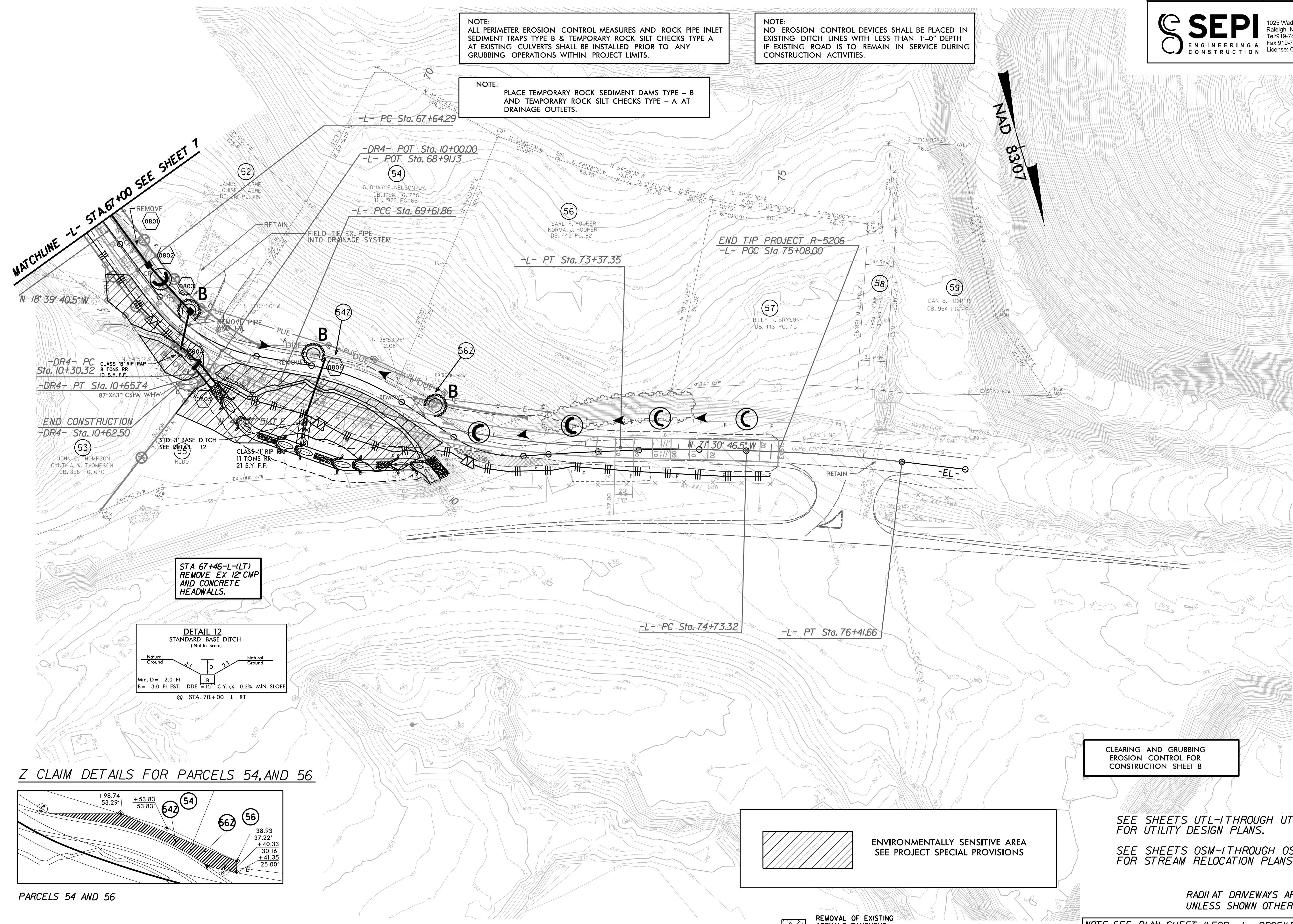
NOTE: SEE PLAN SHEET 11 FOR -L- PROFILE
 NOTE: SEE PLAN SHEET 12 FOR -DR4- PROFILE

NOTE:
ALL PERIMETER EROSION CONTROL MEASURES AND ROCK PIPE INLET SEDIMENT TRAPS TYPE B & TEMPORARY ROCK SILT CHECKS TYPE A AT EXISTING CULVERTS SHALL BE INSTALLED PRIOR TO ANY GRUBBING OPERATIONS WITHIN PROJECT LIMITS.

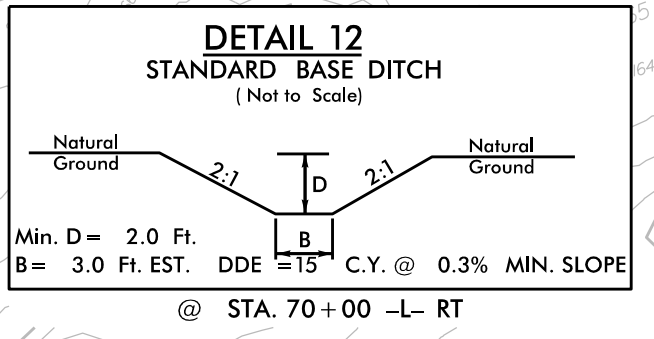
NOTE:
NO EROSION CONTROL DEVICES SHALL BE PLACED IN EXISTING DITCH LINES WITH LESS THAN 1'-0" DEPTH IF EXISTING ROAD IS TO REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES.

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

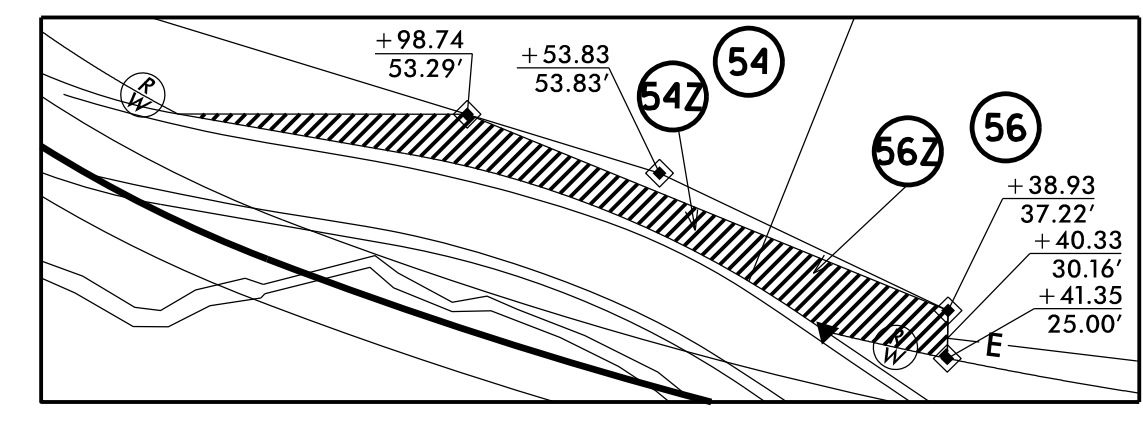
MATCHLINE -L- STA. 67+00 SEE SHEET 7



STA 67+46 -L- (LT)
REMOVE EX 12" CMP
AND CONCRETE
HEADWALLS.



Z CLAIM DETAILS FOR PARCELS 54, AND 56



PARCELS 54 AND 56

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

REMOVAL OF EXISTING ASPHALT PAVEMENT

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

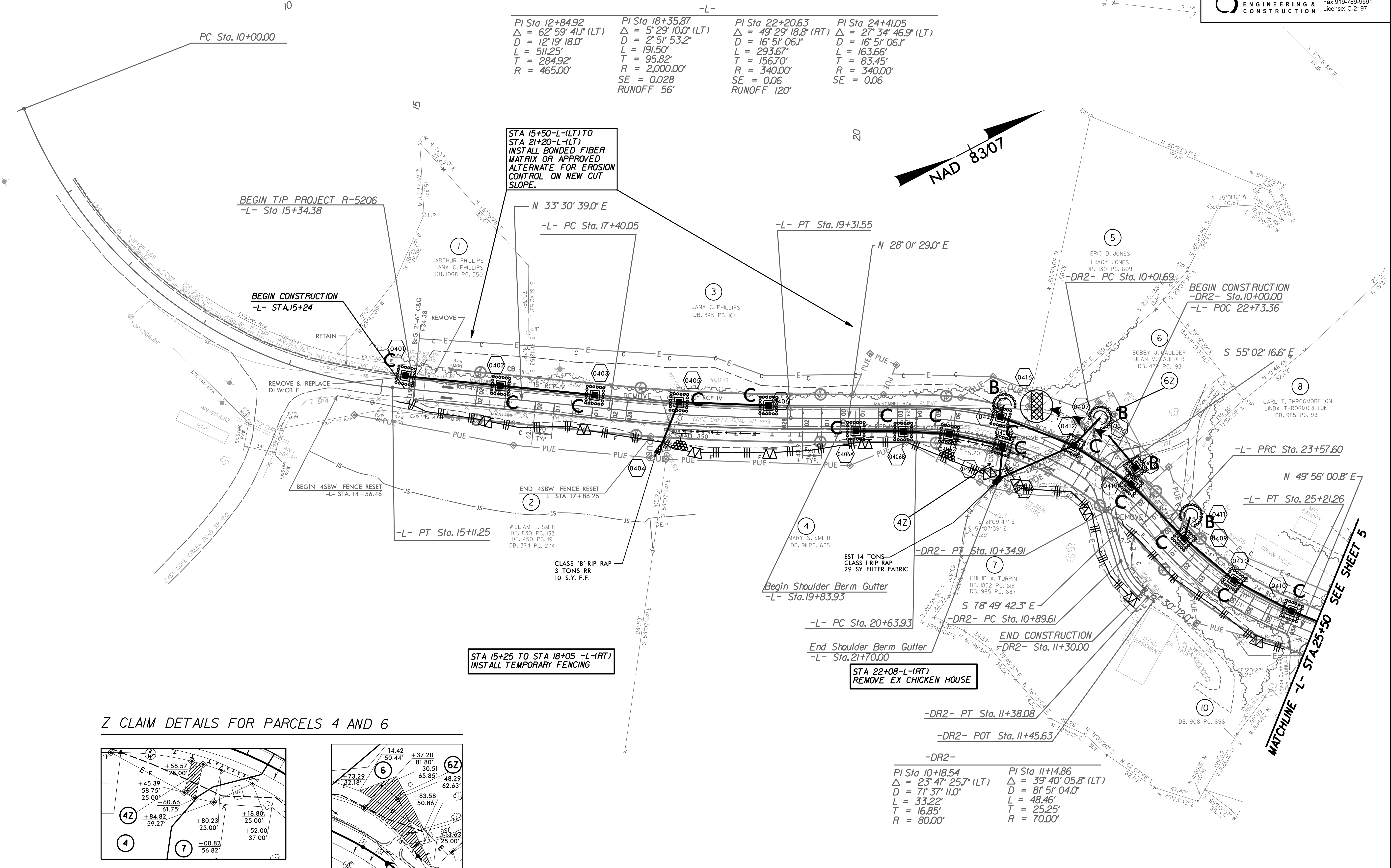
SEE SHEETS UTL-1 THROUGH UTL-2
FOR UTILITY DESIGN PLANS.

SEE SHEETS OSM-1 THROUGH OSM-11
FOR STREAM RELOCATION PLANS.

RADIUS AT DRIVEWAYS ARE 10'
UNLESS SHOWN OTHERWISE

NOTE: SEE PLAN SHEET 11 FOR -L- PROFILE
NOTE: SEE PLAN SHEET 12 FOR -DR4- PROFILE

PI Sta 12+84.92 Δ = 62° 59' 41" (LT) D = 12° 19' 18.0" L = 511.25' T = 284.92' R = 465.00'	PI Sta 18+35.87 Δ = 5° 29' 10.0" (LT) D = 2° 51' 53.2" L = 191.50' T = 95.82' R = 2,000.00' SE = 0.028 RUNOFF 56'	PI Sta 22+20.63 Δ = 49° 29' 18.8" (RT) D = 16° 51' 06.1" L = 293.67' T = 156.70' R = 340.00' SE = 0.06 RUNOFF 120'	PI Sta 24+41.05 Δ = 27° 34' 46.9" (LT) D = 16° 51' 06.1" L = 163.66' T = 83.45' R = 340.00' SE = 0.06
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STA 15+50-L-(LT) TO STA 21+20-L-(LT) INSTALL BONDED FIBER MATRIX OR APPROVED ALTERNATE FOR EROSION CONTROL ON NEW CUT SLOPE.

BEGIN TIP PROJECT R-5206 -L- Sta 15+34.38

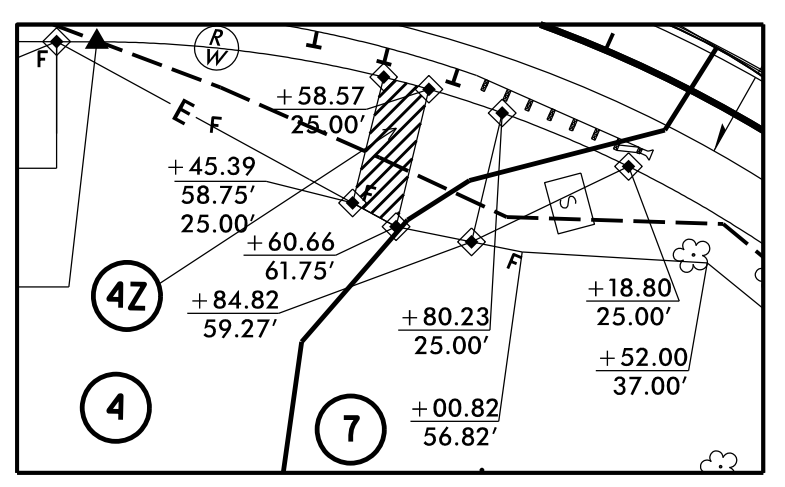
BEGIN CONSTRUCTION -L- STA.15+24

BEGIN 4SBW FENCE RESET -L- STA. 14+56.46

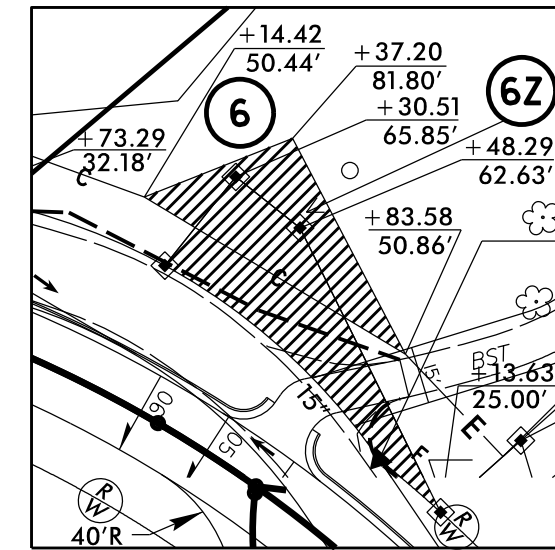
STA 15+25 TO STA 18+05 -L-(RT) INSTALL TEMPORARY FENCING

STA 22+08-L-(RT) REMOVE EX CHICKEN HOUSE

Z CLAIM DETAILS FOR PARCELS 4 AND 6



PARCELS 4 AND 7

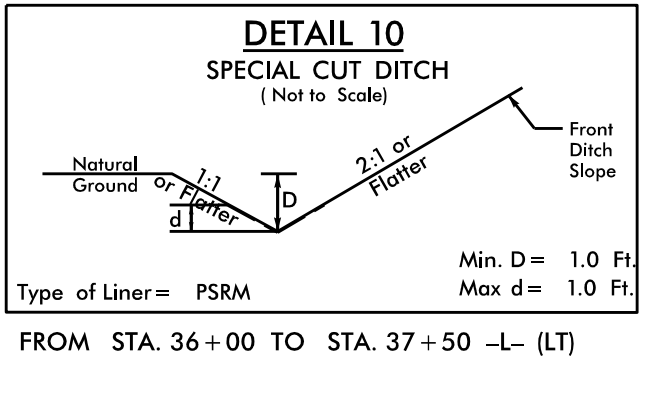
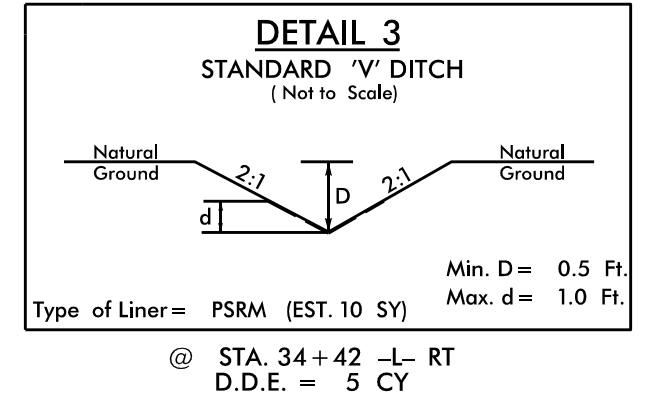
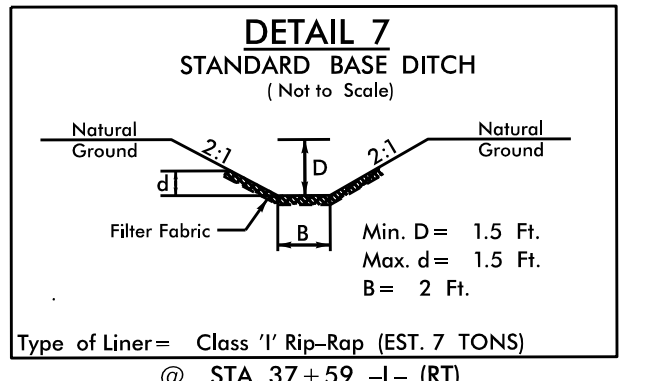
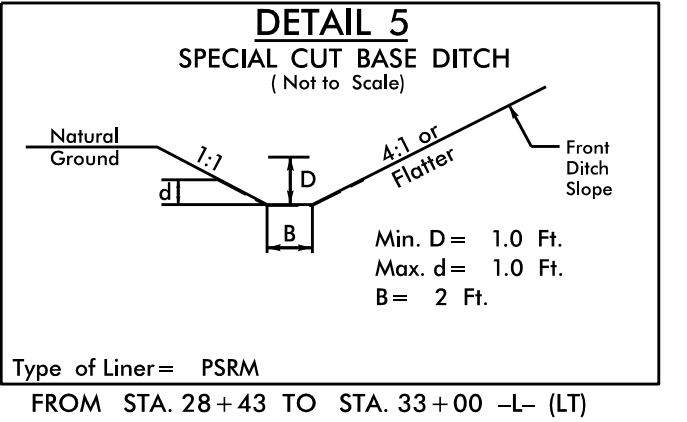
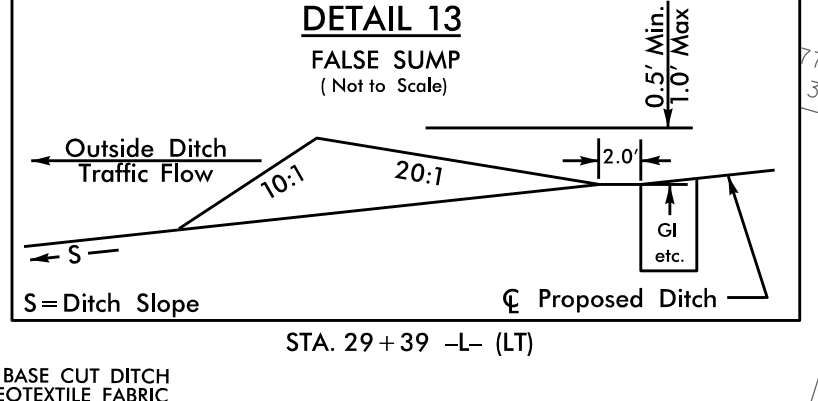
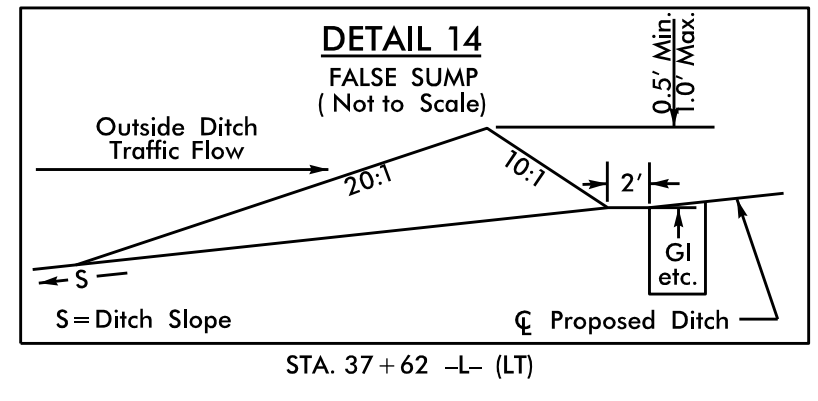
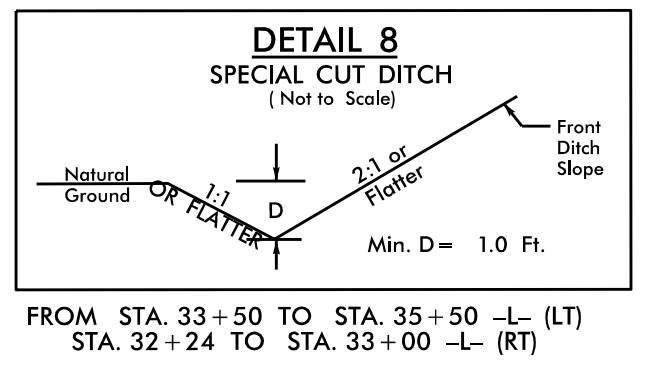


PARCEL 6

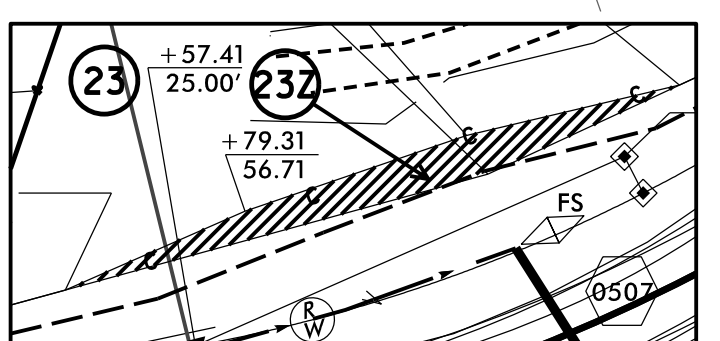
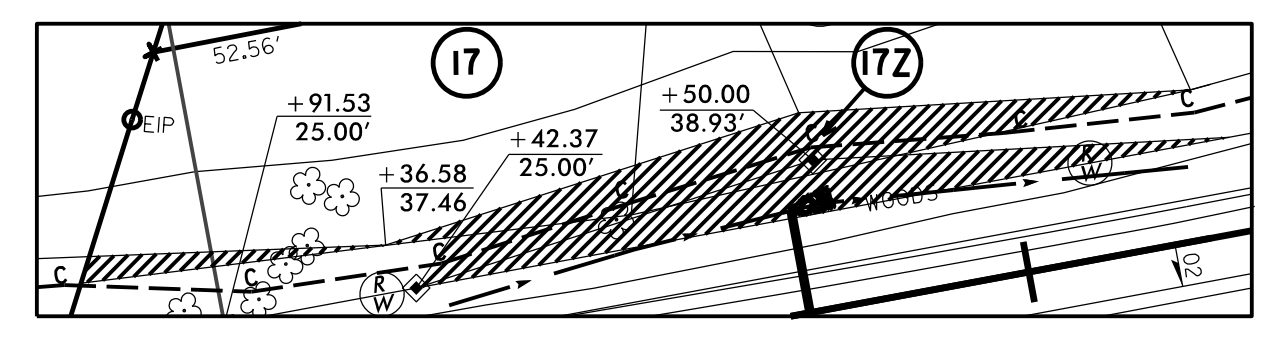
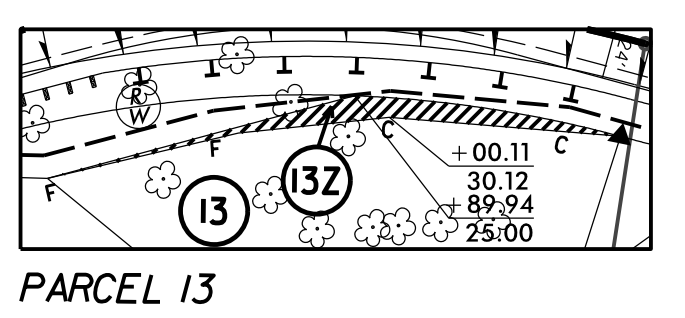
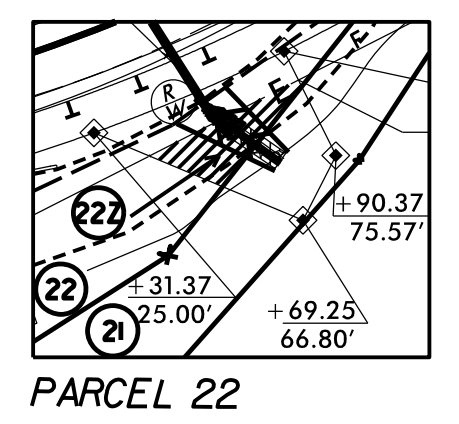
REMOVAL OF EXISTING ASPHALT PAVEMENT

RADI AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE
NOTE: SEE PLAN SHEET 9 FOR -L- PROFILE
NOTE: SEE PLAN SHEET 11 FOR -DR2- PROFILE

PI Sta	PI Sta	PI Sta	PI Sta
26+76.04	28+69.86	31+31.38	37+81.34
$\Delta = 7^{\circ} 01' 50.8" (LT)$	$\Delta = 33^{\circ} 16' 08.6" (RT)$	$\Delta = 25^{\circ} 34' 24.5" (LT)$	$\Delta = 30^{\circ} 47' 42.5" (LT)$
$D = 3^{\circ} 48' 23.2"$	$D = 16^{\circ} 51' 06.1"$	$D = 7^{\circ} 50' 55.5"$	$D = 12^{\circ} 43' 56.6"$
$L = 184.71'$	$L = 197.42'$	$L = 325.83'$	$L = 241.86'$
$T = 92.47'$	$T = 101.58'$	$T = 165.67'$	$T = 123.93'$
$R = 1,505.23'$	$R = 340.00'$	$R = 730.00'$	$R = 450.00'$
$SE = 0.034$	$SE = 0.05$	$SE = 0.05$	$SE = 0.05$
RUNOFF 68'	RUNOFF 100'	RUNOFF 100'	RUNOFF 118'



Z CLAIM DETAILS FOR PARCELS 13, 17, AND 22



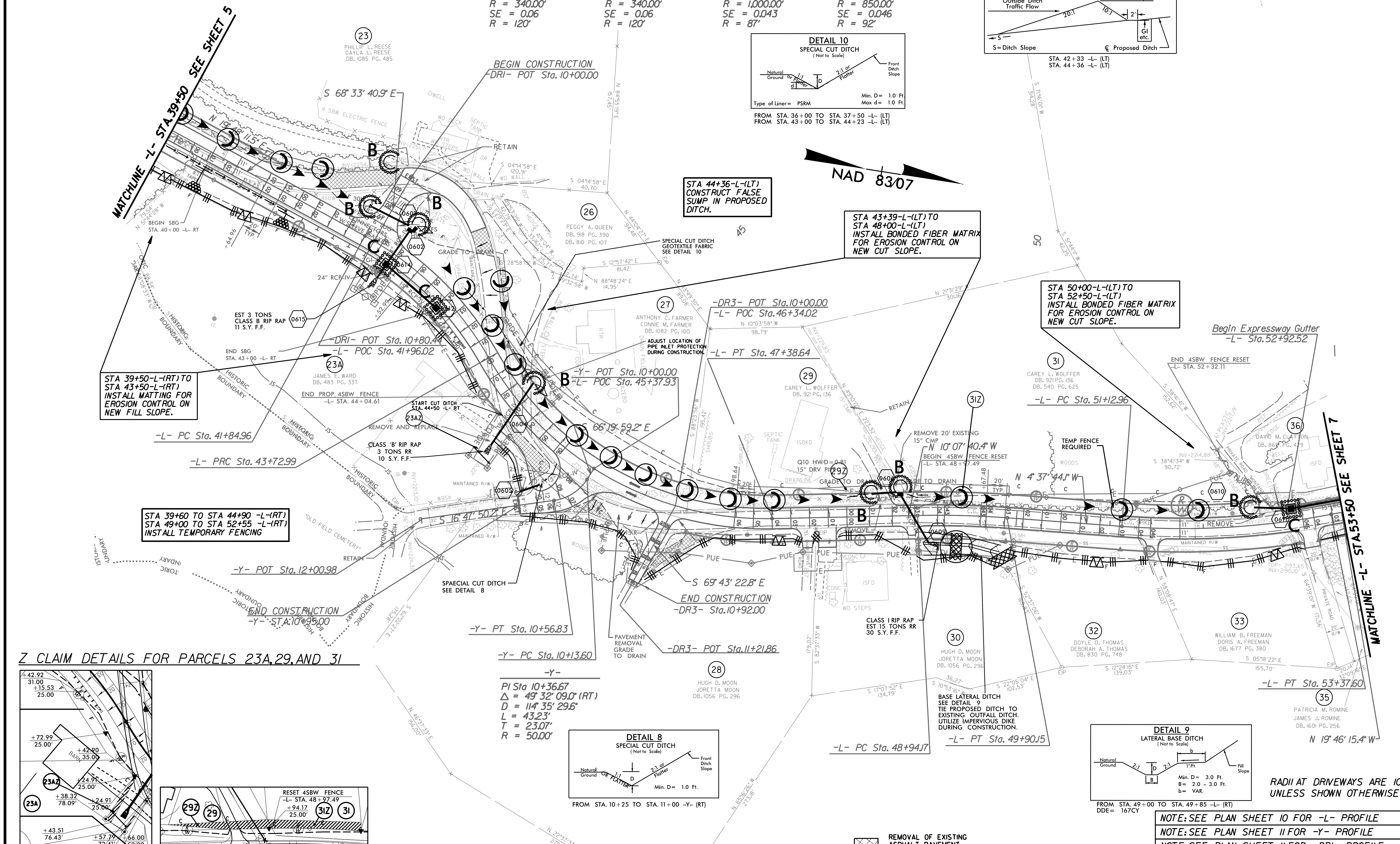
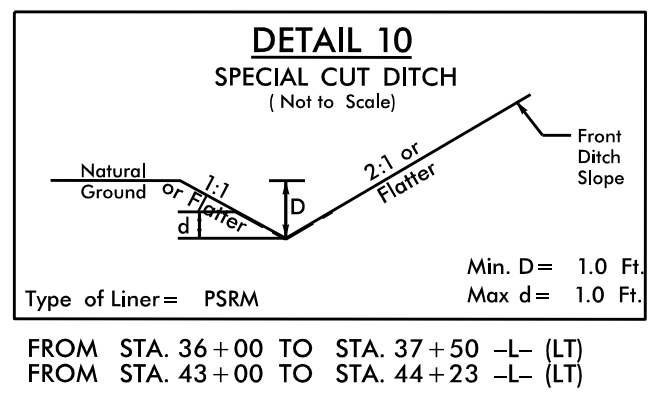
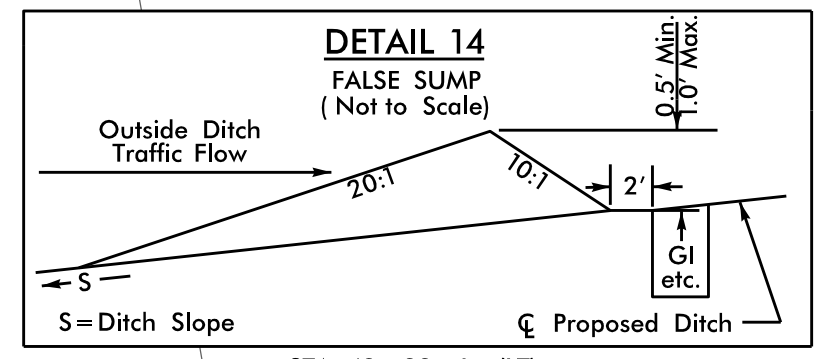
PARCEL 17

PARCEL 23

RADIi AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

NOTE: SEE PLAN SHEET 9 & 10 FOR -L- PROFILE

<p>PI Sta 42+81.44 $\Delta = 3^{\circ} 41' 12.4" (RT)$ $D = 16^{\circ} 51' 06.1"$ $L = 188.03'$ $T = 96.49'$ $R = 340.00'$ $SE = 0.06$ $R = 120'$</p>	<p>PI Sta 45+75.74 $\Delta = 6^{\circ} 37' 04.4" (LT)$ $D = 16^{\circ} 51' 06.1"$ $L = 365.65'$ $T = 202.75'$ $R = 340.00'$ $SE = 0.06$ $R = 120'$</p>	<p>PI Sta 49+42.20 $\Delta = 5^{\circ} 29' 56.3" (RT)$ $D = 5^{\circ} 43' 46.5"$ $L = 95.98'$ $T = 48.02'$ $R = 1,000.00'$ $SE = 0.043$ $R = 87'$</p>	<p>PI Sta 52+25.94 $\Delta = 15^{\circ} 08' 31.2" (LT)$ $D = 6^{\circ} 44' 26.4"$ $L = 224.64'$ $T = 112.98'$ $R = 850.00'$ $SE = 0.046$ $R = 92'$</p>
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STA 39+50-L-(RT) TO STA 43+50-L-(RT) INSTALL MATTING FOR EROSION CONTROL ON NEW FILL SLOPE.

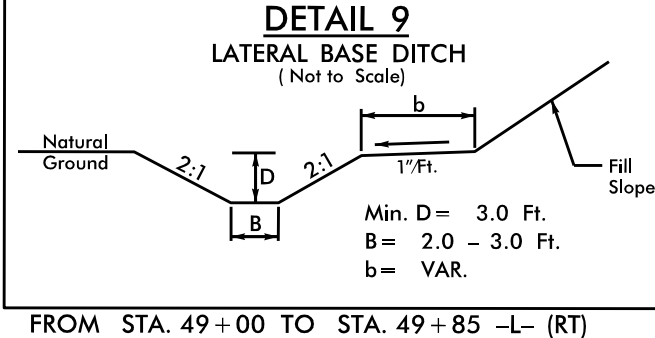
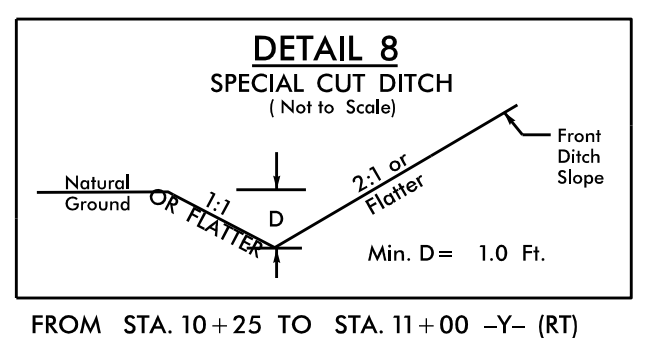
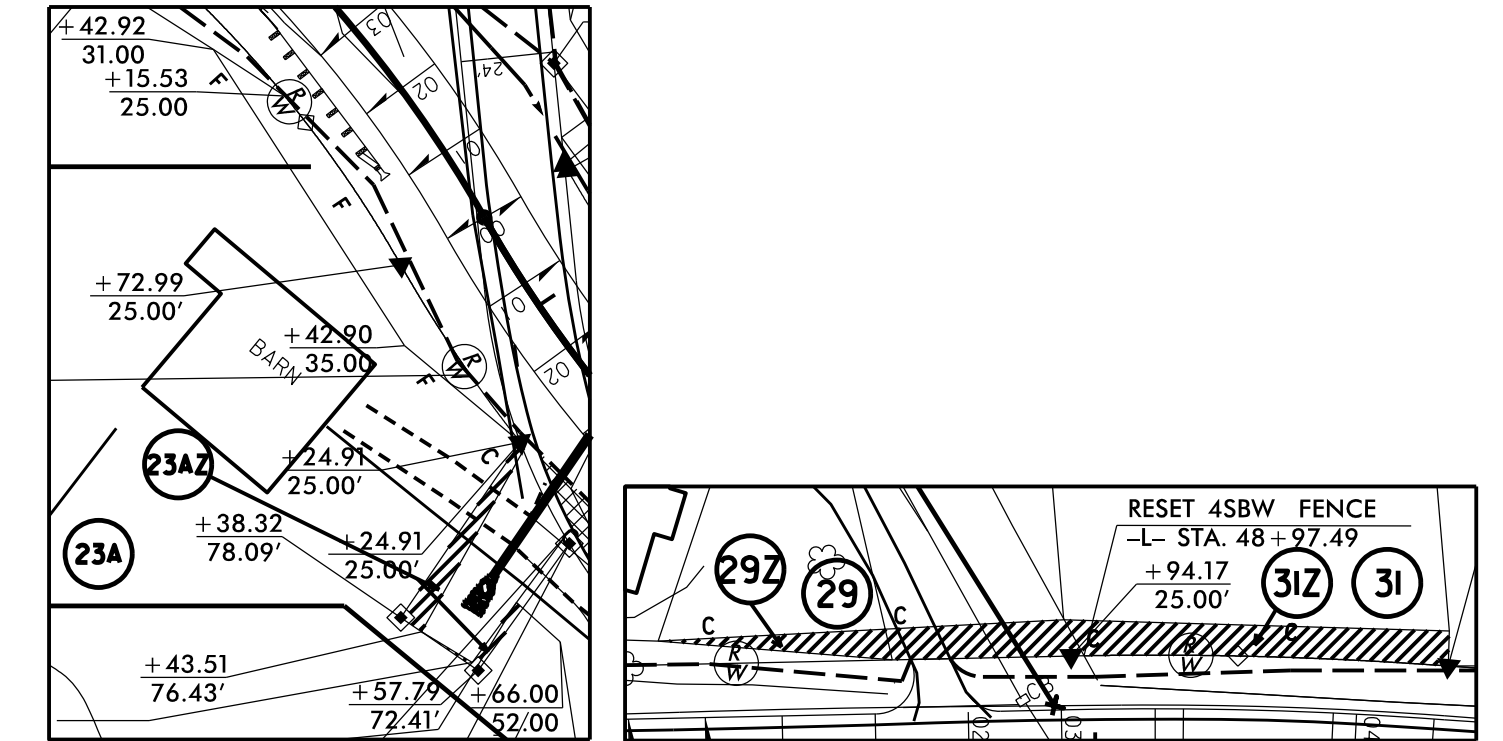
STA 44+36-L-(LT) CONSTRUCT FALSE SUMP IN PROPOSED DITCH.

STA 43+39-L-(LT) TO STA 48+00-L-(LT) INSTALL BONDED FIBER MATRIX FOR EROSION CONTROL ON NEW CUT SLOPE.

STA 50+00-L-(LT) TO STA 52+50-L-(LT) INSTALL BONDED FIBER MATRIX FOR EROSION CONTROL ON NEW CUT SLOPE.

STA 39+60 TO STA 44+90 -L-(RT) STA 49+00 TO STA 52+55 -L-(RT) INSTALL TEMPORARY FENCING

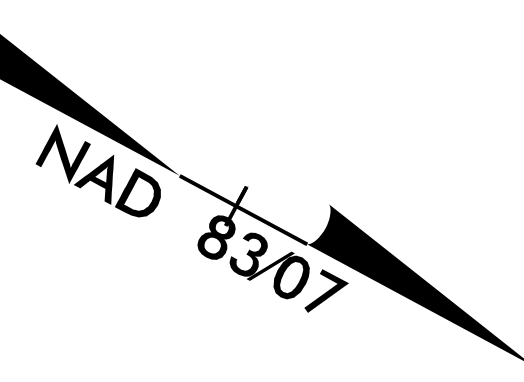
Z CLAIM DETAILS FOR PARCELS 23A, 29, AND 31



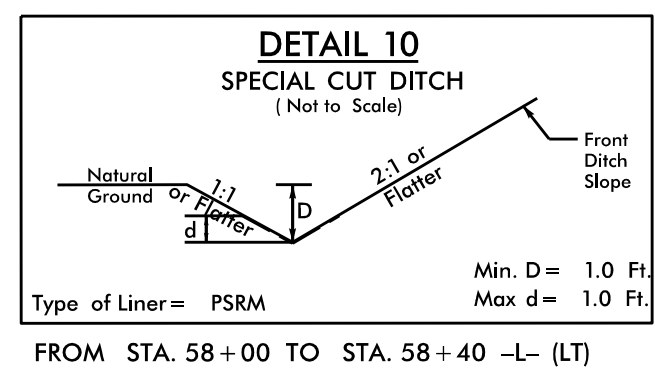
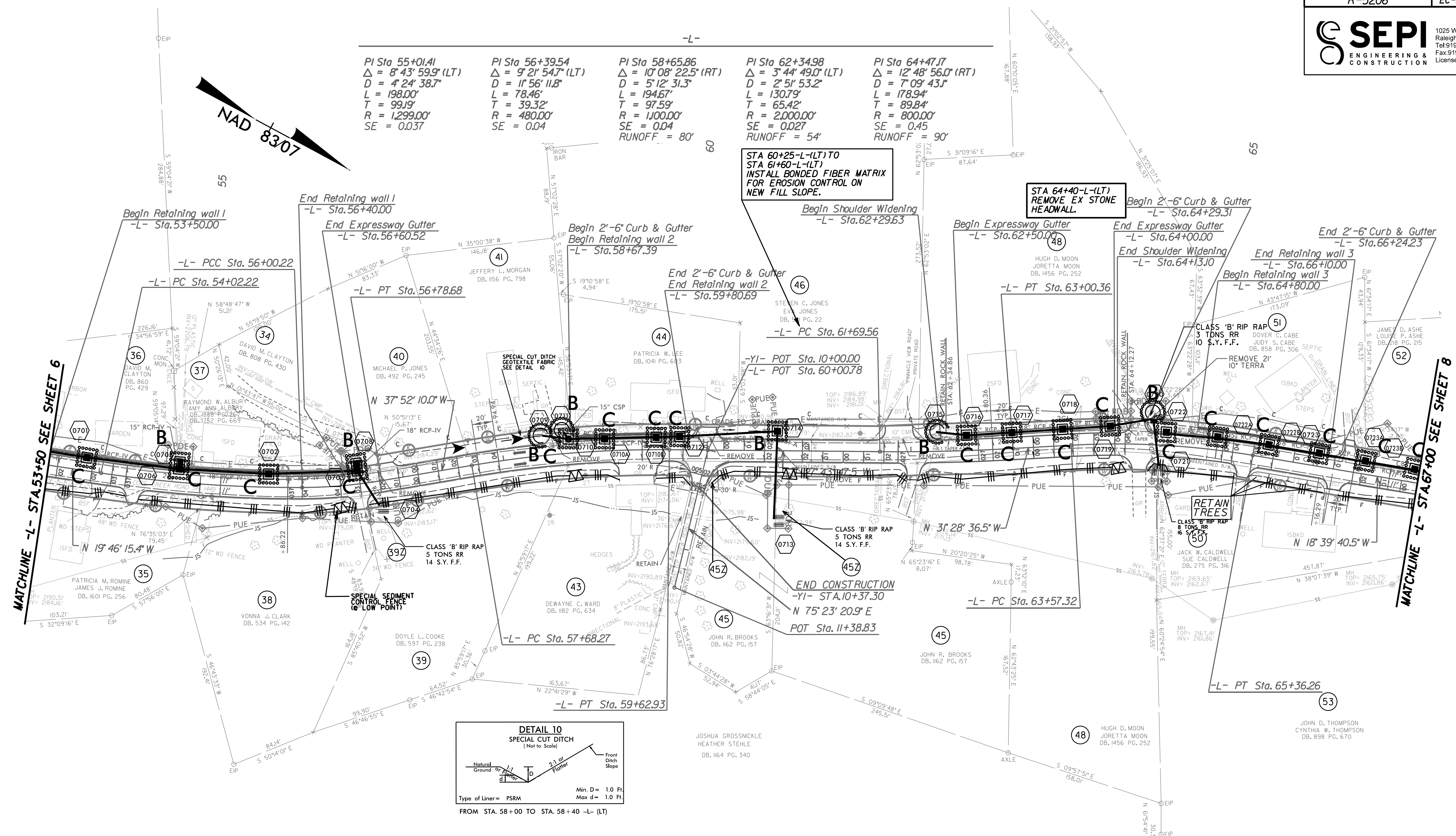
NOTE: SEE PLAN SHEET 10 FOR -L- PROFILE
 NOTE: SEE PLAN SHEET 11 FOR -Y- PROFILE
 NOTE: SEE PLAN SHEET 11 FOR -DRI- PROFILE
 NOTE: SEE PLAN SHEET 12 FOR -DR3- PROFILE

REMOVAL OF EXISTING ASPHALT PAVEMENT

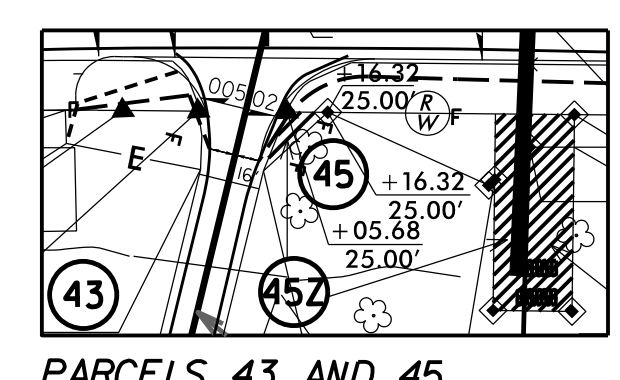
RADII AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE



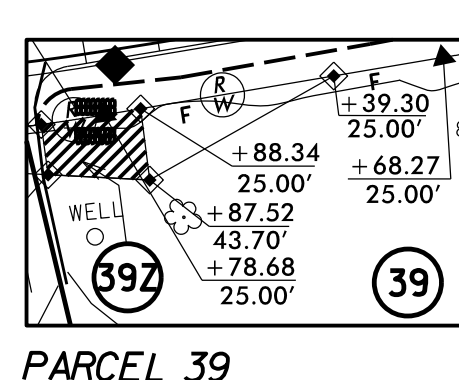
PI Sta 55+01.41 $\Delta = 8' 43" 59.9" (LT)$ $D = 4' 24" 38.7"$ $L = 198.00'$ $T = 99.19'$ $R = 1,299.00'$ $SE = 0.037$	PI Sta 56+39.54 $\Delta = 9' 21" 54.7" (LT)$ $D = 1' 56" 11.8"$ $L = 78.46'$ $T = 39.32'$ $R = 480.00'$ $SE = 0.04$	PI Sta 58+65.86 $\Delta = 10' 08" 22.5" (RT)$ $D = 5' 12" 31.3"$ $L = 194.67'$ $T = 97.59'$ $R = 1,100.00'$ $SE = 0.04$ $RUNOFF = 80'$	PI Sta 62+34.98 $\Delta = 3' 44" 49.0" (LT)$ $D = 2' 51" 53.2"$ $L = 130.79'$ $T = 65.42'$ $R = 2,000.00'$ $SE = 0.027$ $RUNOFF = 54'$	PI Sta 64+47.17 $\Delta = 12' 48" 56.0" (RT)$ $D = 7' 09" 43.1"$ $L = 178.94'$ $T = 89.84'$ $R = 800.00'$ $SE = 0.45$ $RUNOFF = 90'$
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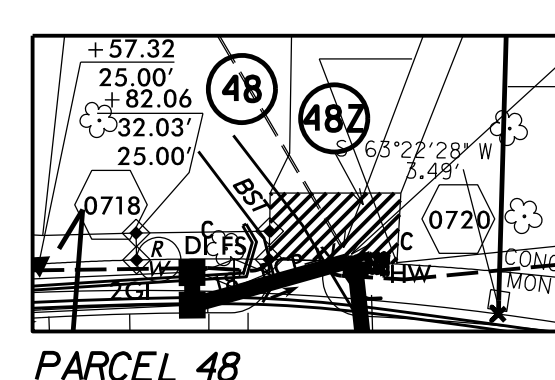
Z CLAIM DETAILS FOR PARCELS 39, 45 AND 48



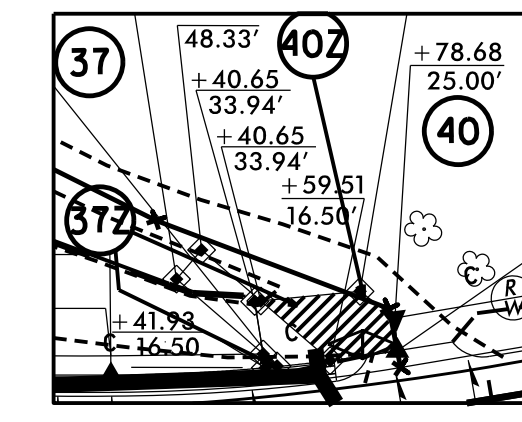
PARCELS 43 AND 45



PARCEL 39



PARCEL 48

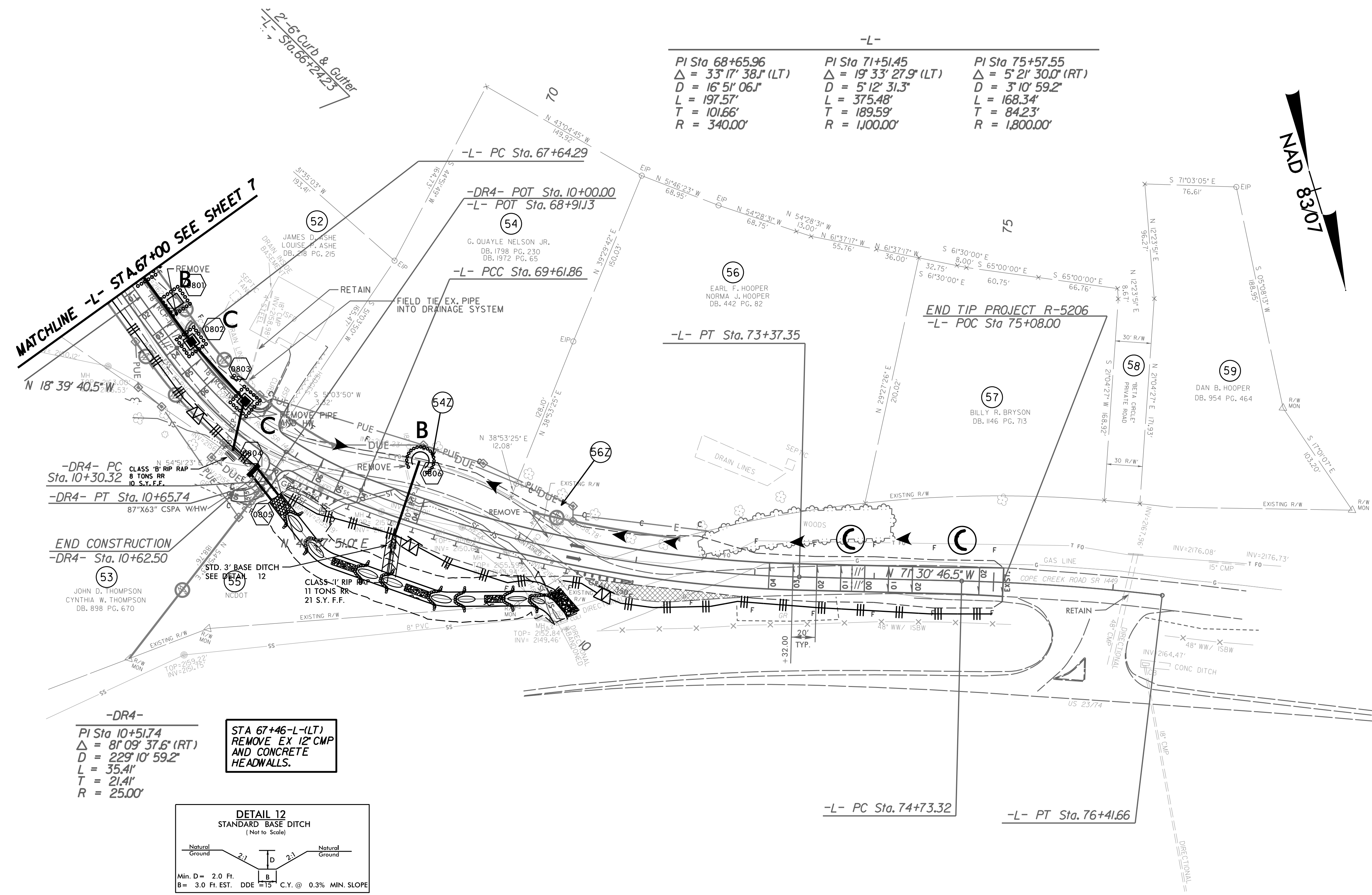


PARCELS 37 AND 40

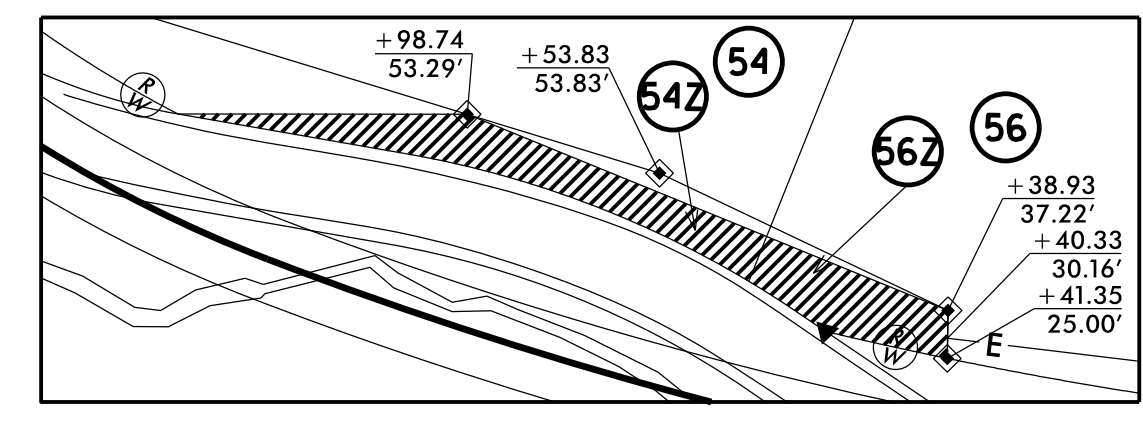
RADI AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

NOTE: SEE PLAN SHEET 10 FOR -L- PROFILE

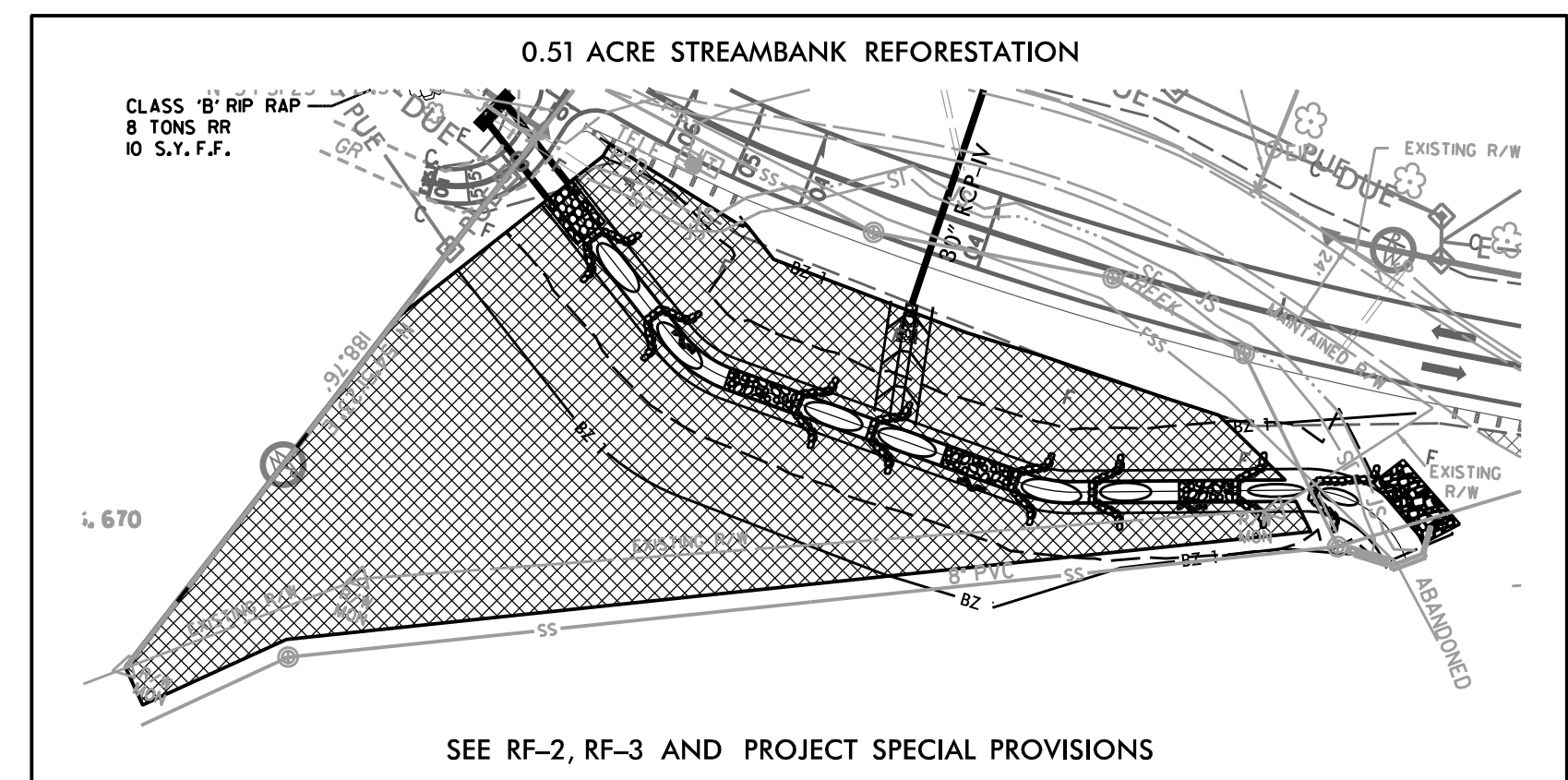
6212013 - ROW Revision Combined parcels 45 & 47 into parcel 45.CIT



Z CLAIM DETAILS FOR PARCELS 54, AND 56



PARCELS 54 AND 56



SEE SHEETS UTL-1 THROUGH UTL-2 FOR UTILITY DESIGN PLANS.

SEE SHEETS OSM-1 THROUGH OSM-11 FOR STREAM RELOCATION PLANS.

RADIUS AT DRIVEWAYS ARE 10' UNLESS SHOWN OTHERWISE

REMOVAL OF EXISTING ASPHALT PAVEMENT

NOTE: SEE PLAN SHEET 11 FOR -L- PROFILE
 NOTE: SEE PLAN SHEET 12 FOR -DR4- PROFILE