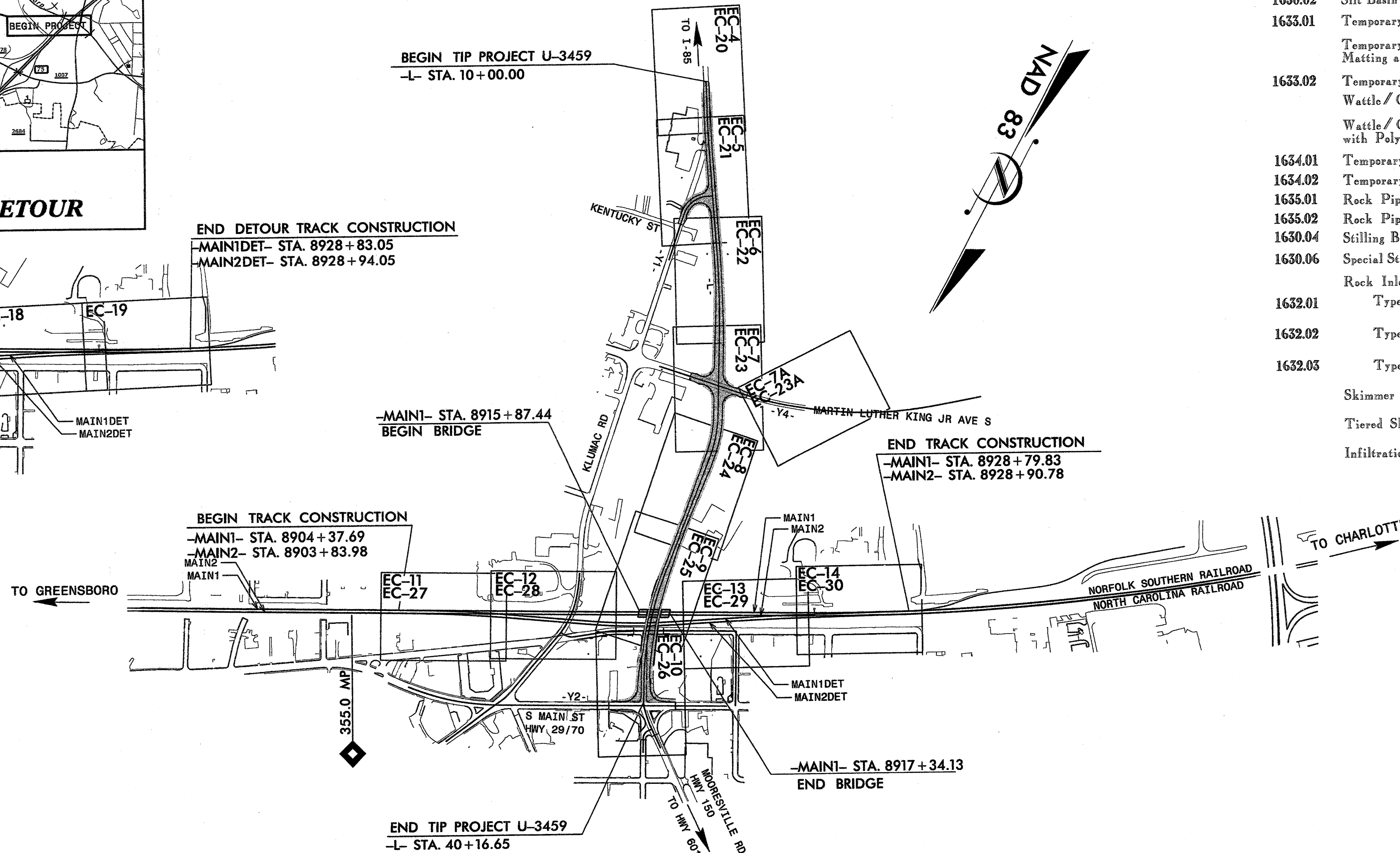
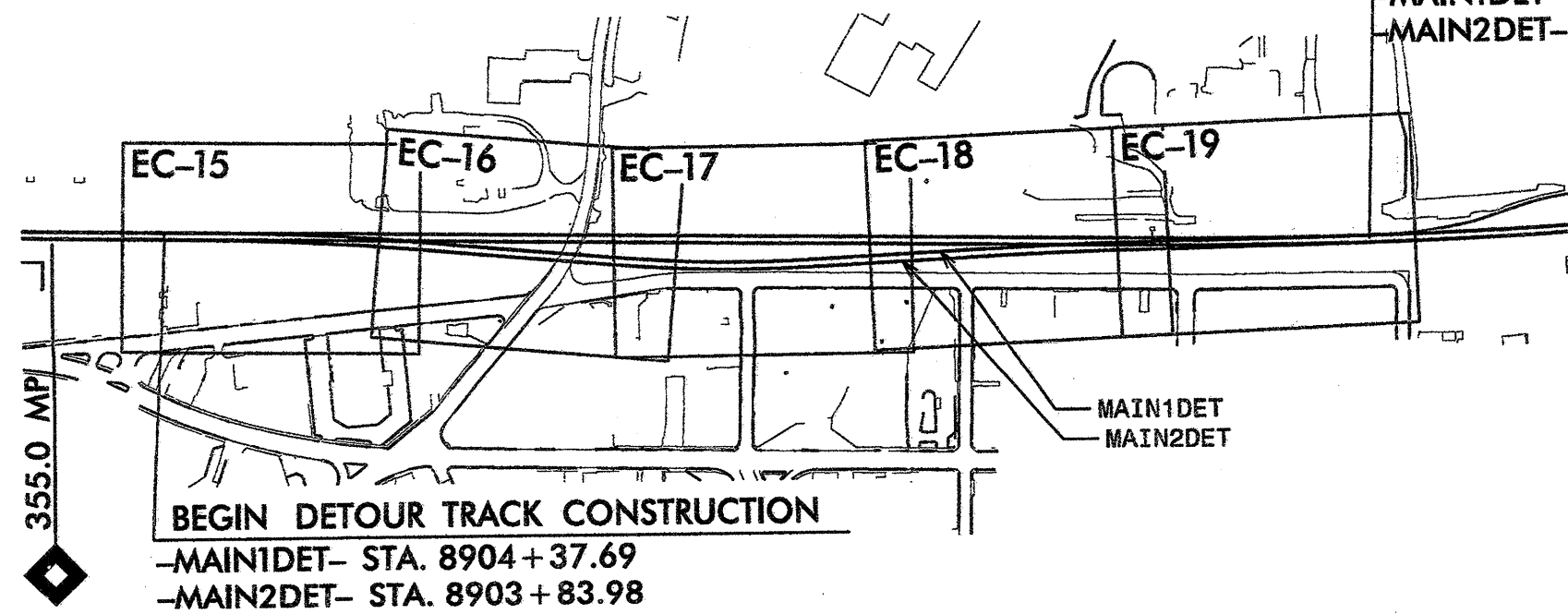
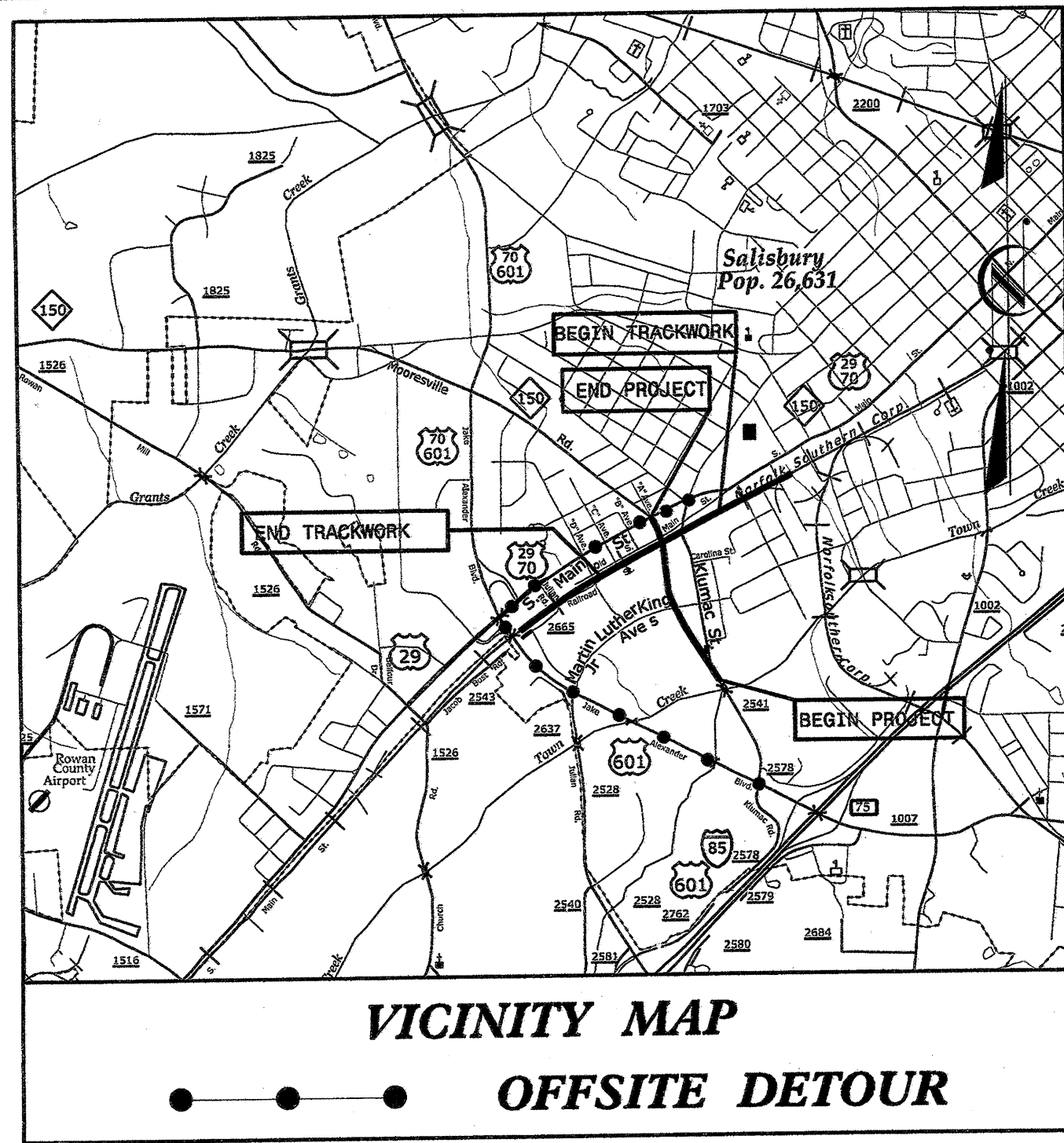


TIP PROJECT: U-3459

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

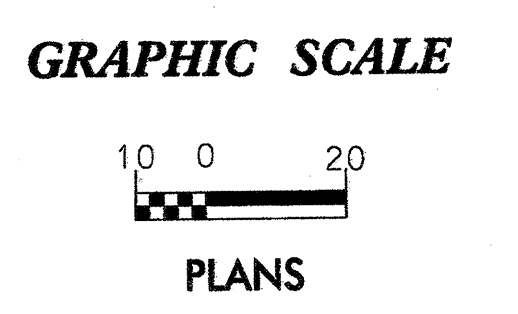
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3459	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34951.1.1	STP-2541(4)	P.E.	
34951.1.1	STP-2541(4)	RW	
53500.3.STR01T4	STP-2541(4)	RW	



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TS
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	TBD
1630.02	Silt Basin Type B	Silt Basin Symbol
1633.01	Temporary Rock Silt Check Type-A	Rock Silt Check Symbol
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	Rock Silt Check Symbol
1633.02	Temporary Rock Silt Check Type-B	Rock Silt Check Symbol
	Wattle / Coir Fiber Wattle	Wattle Symbol
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	Wattle Symbol
1634.01	Temporary Rock Sediment Dam Type-A	RSD Symbol
1634.02	Temporary Rock Sediment Dam Type-B	RSD Symbol
1635.01	Rock Pipe Inlet Sediment Trap Type-A	RPIST Symbol
1635.02	Rock Pipe Inlet Sediment Trap Type-B	RPIST Symbol
1630.04	Stilling Basin	SB Symbol
1630.06	Special Stilling Basin	SB Symbol
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	SB Symbol
	Tiered Skimmer Basin	SB Symbol
	Infiltration Basin	IB Symbol

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



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.

PLANS PREPARED BY:

TGS ENGINEERS
975 WALNUT STREET
SUITE 141
CARY, NC 27511
PH (919) 319-8850
CORP. LICENSE NO.: C-0275

PLANS PREPARED FOR:

NCDOT RAIL DIVISION
SANDRA A. STEPNEY, PE
SENIOR PROJECT ENGINEER

2012 STANDARD SPECIFICATIONS

JIMMY L. TERRY, PE
PROJECT ENGINEER
LEVEL III CERTIFICATION # 3145

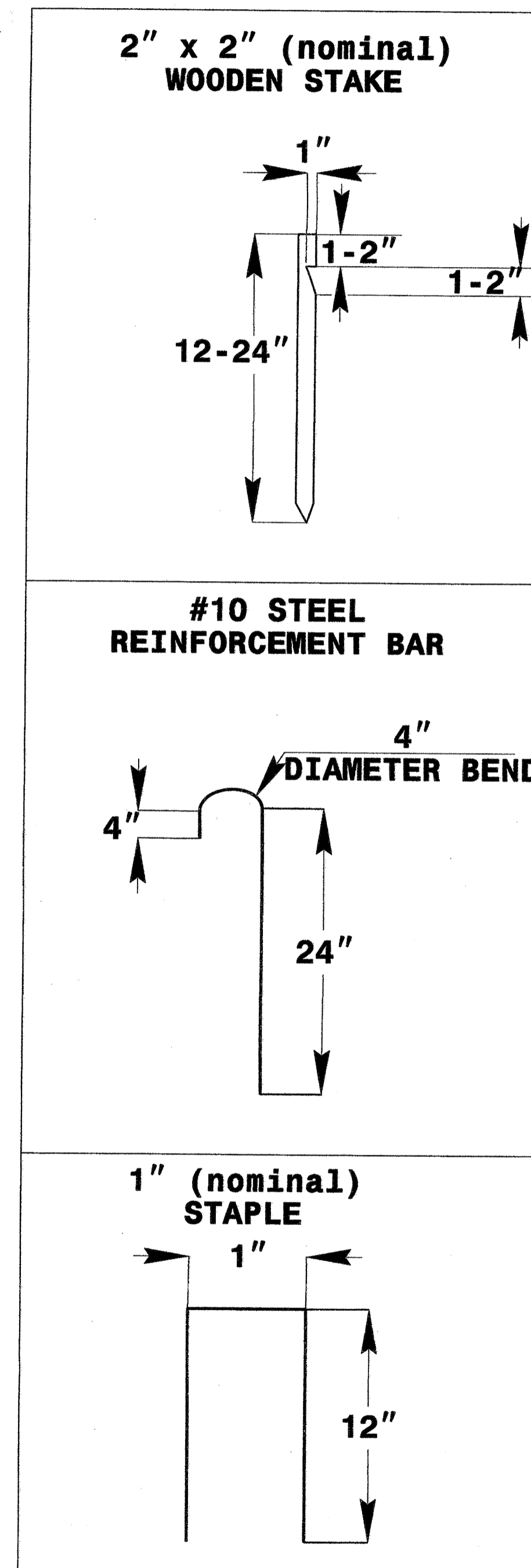
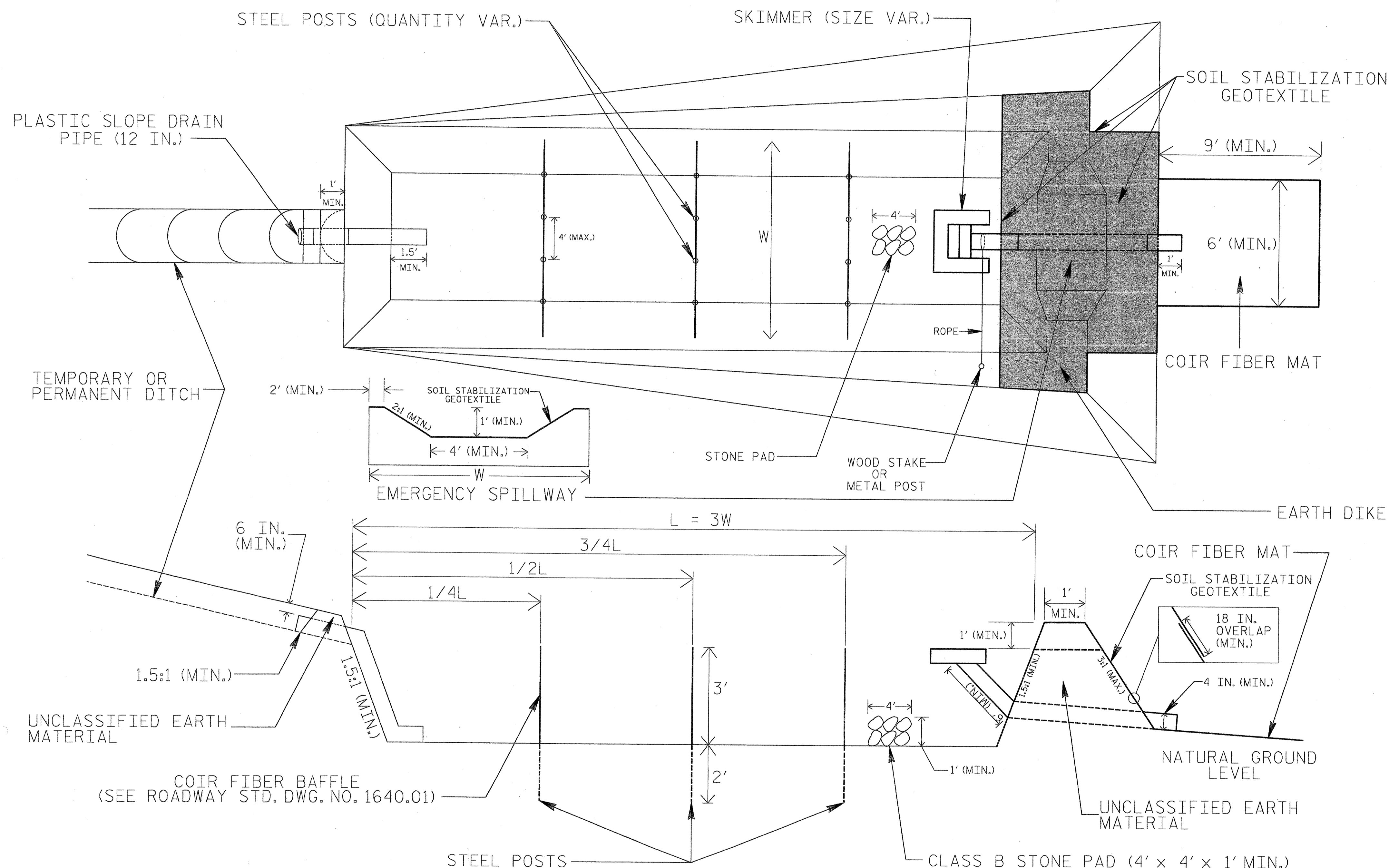
Roadway Standard Drawings

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	1633.02 Temporary Rock Silt Check Type B
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	1640.01 Coir Fiber Baffle
1631.01 Matting Installation	1645.01 Temporary Stream Crossing

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

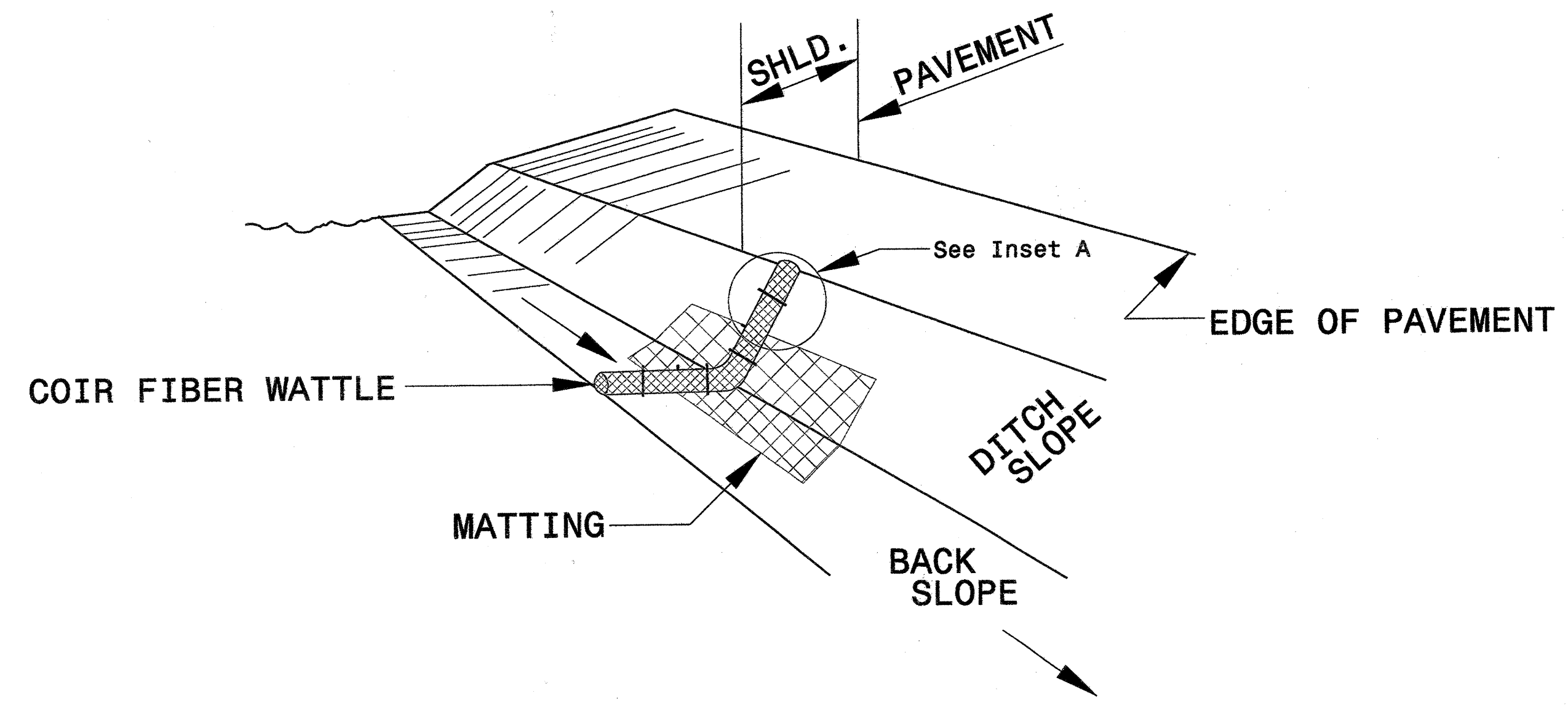
NOT TO SCALE

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

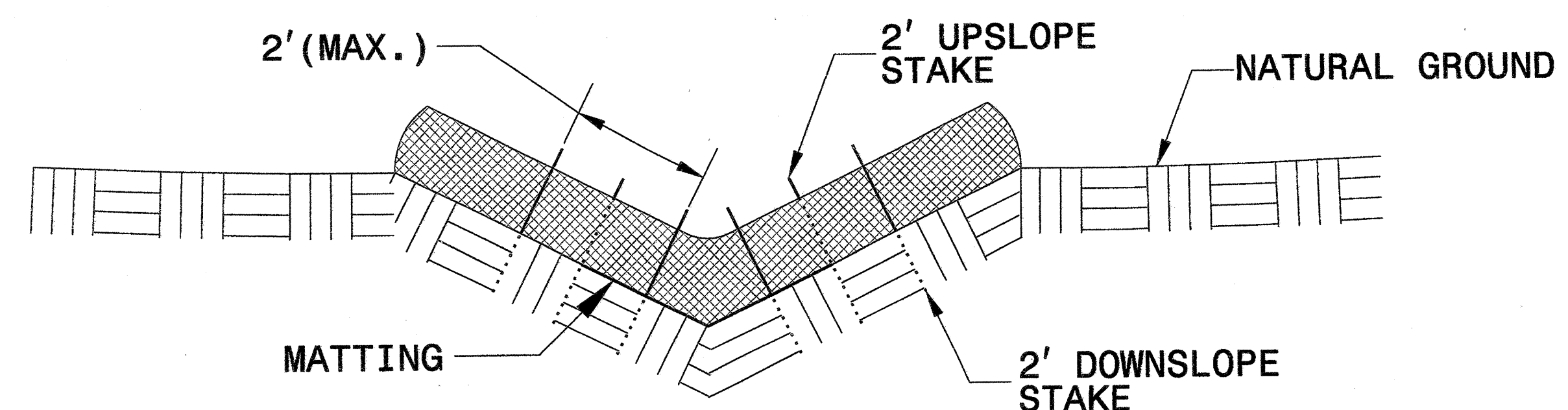
PROJECT REFERENCE NO. U-3459	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTES:

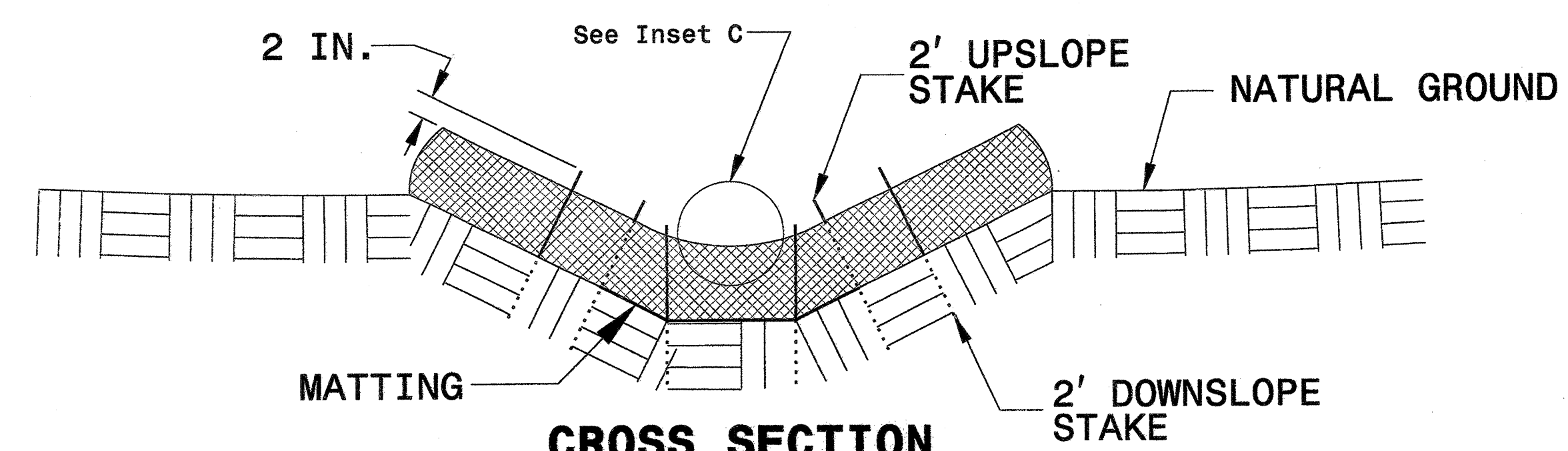
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 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.



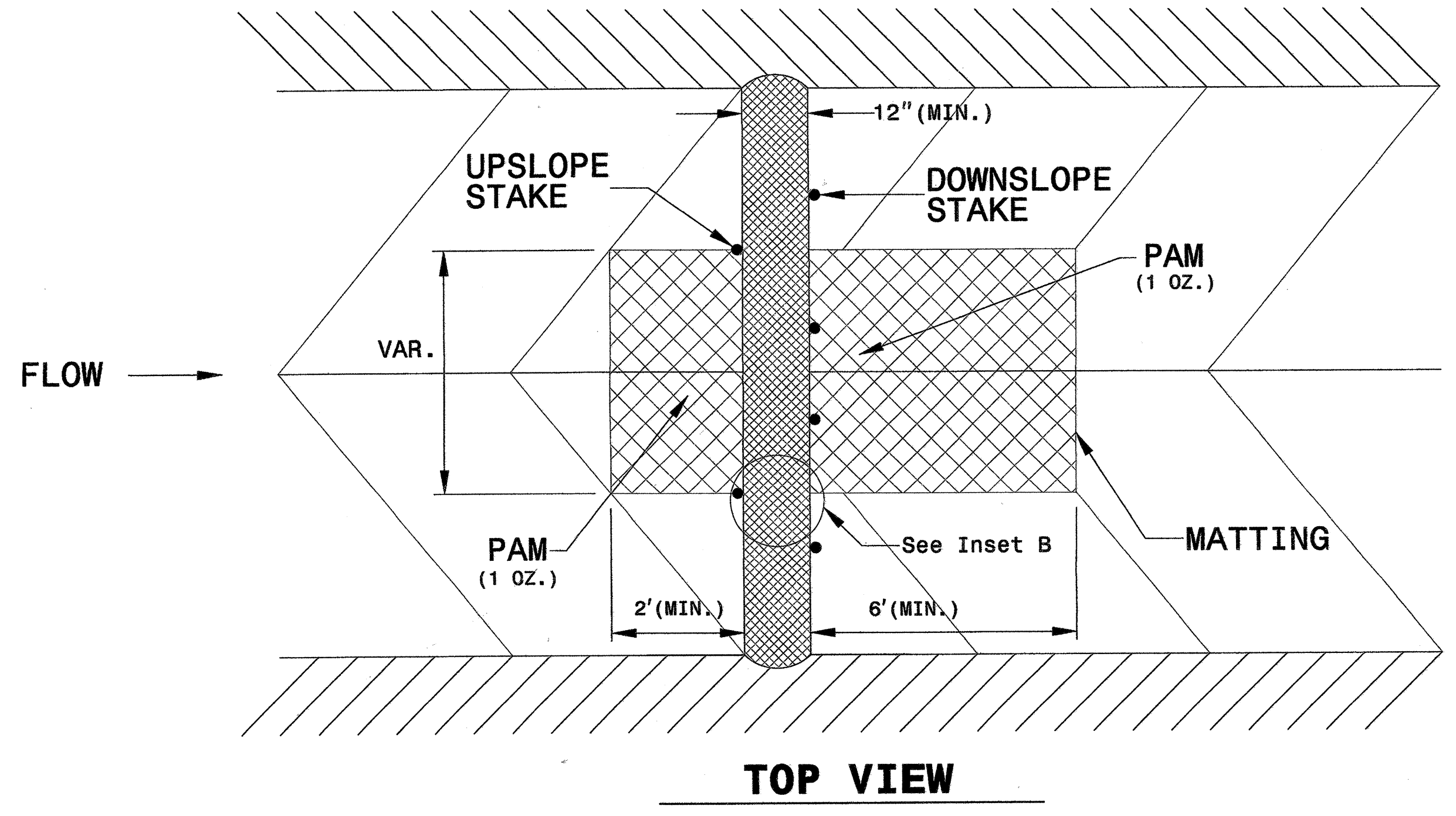
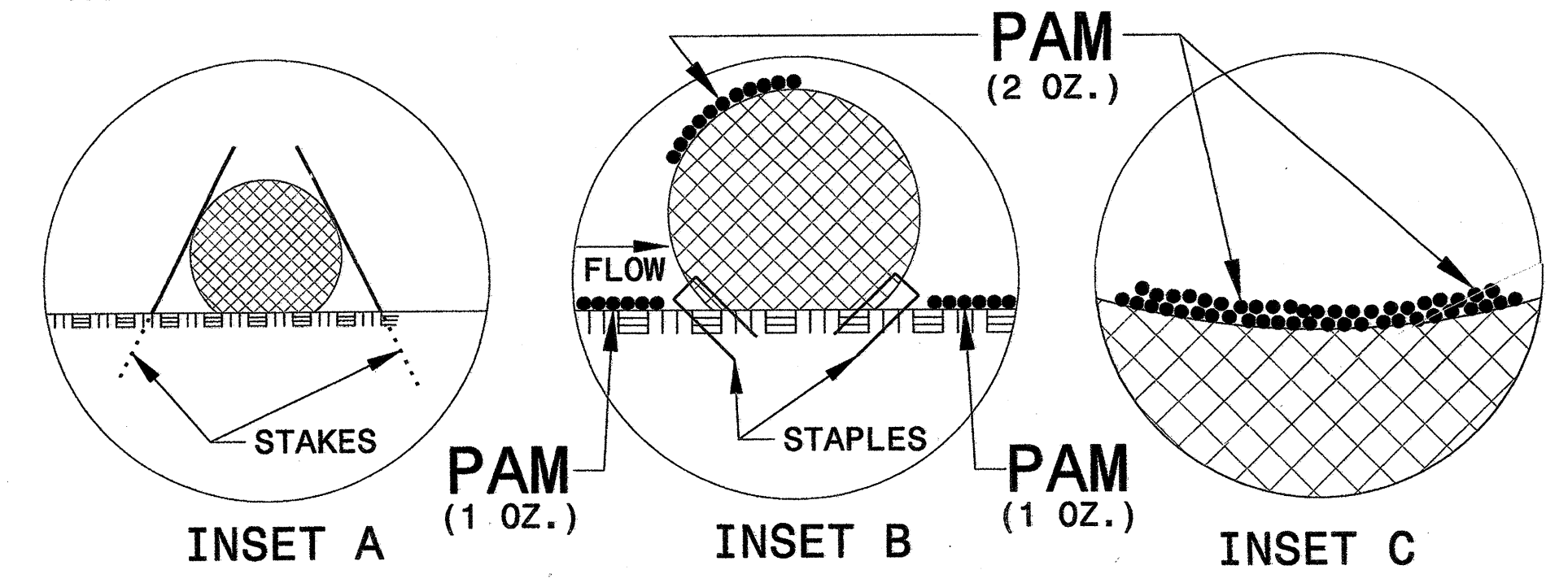
ISOMETRIC VIEW



CROSS SECTION VEE DITCH



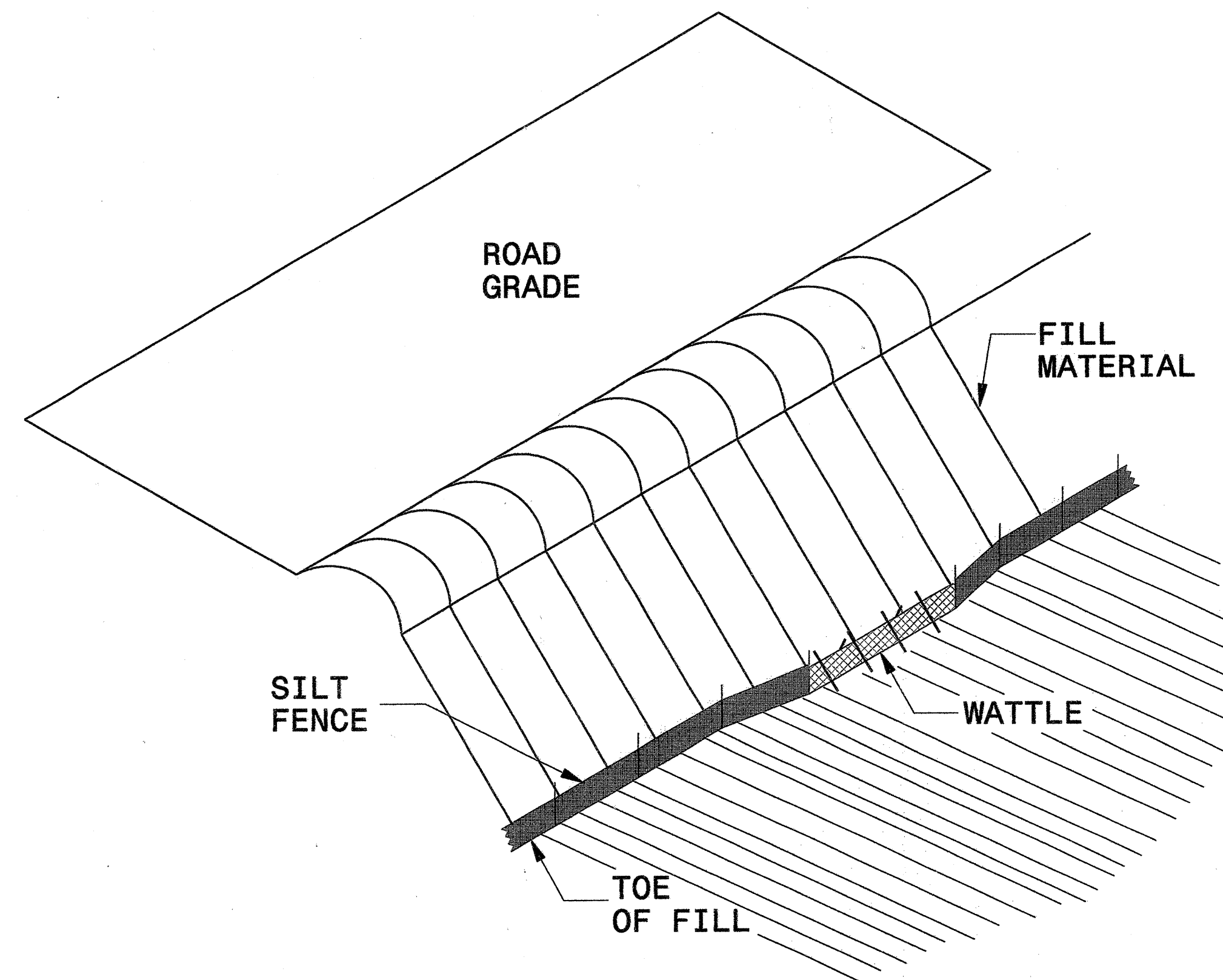
CROSS SECTION TRAPEZOIDAL DITCH



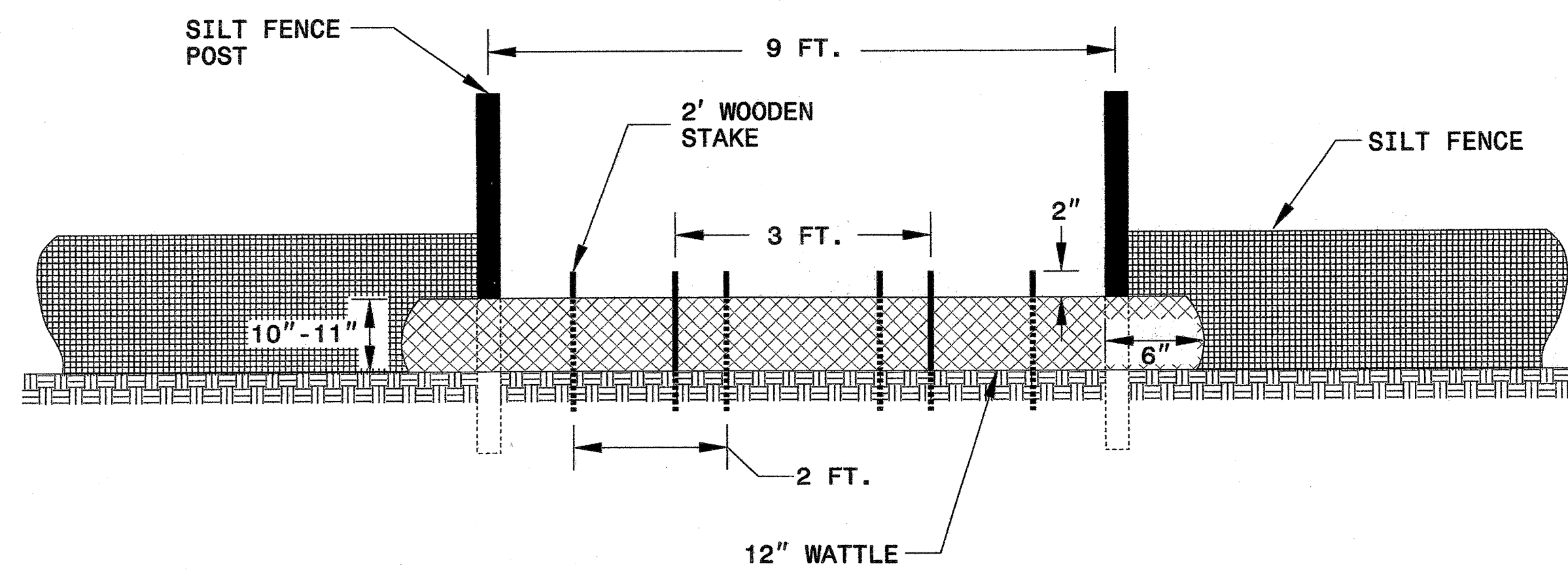
TOP VIEW

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

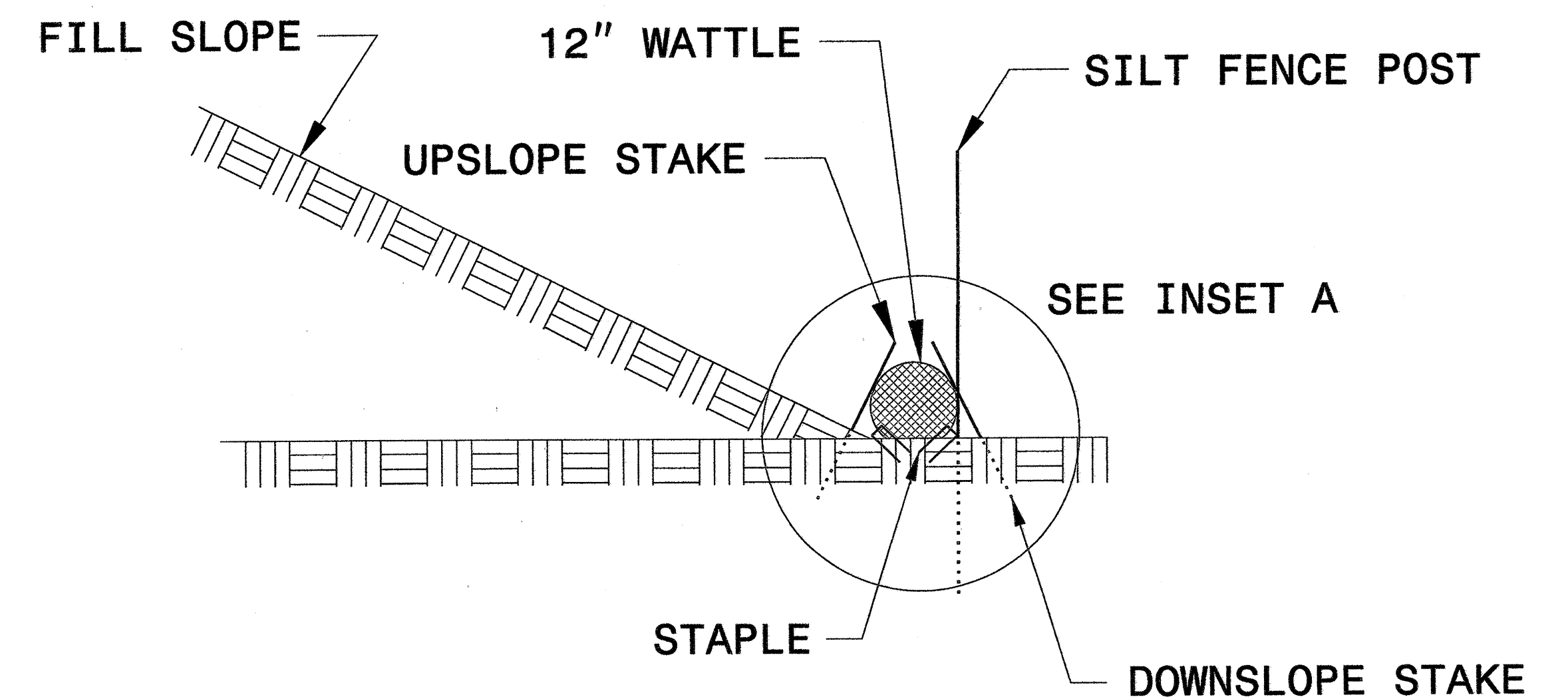
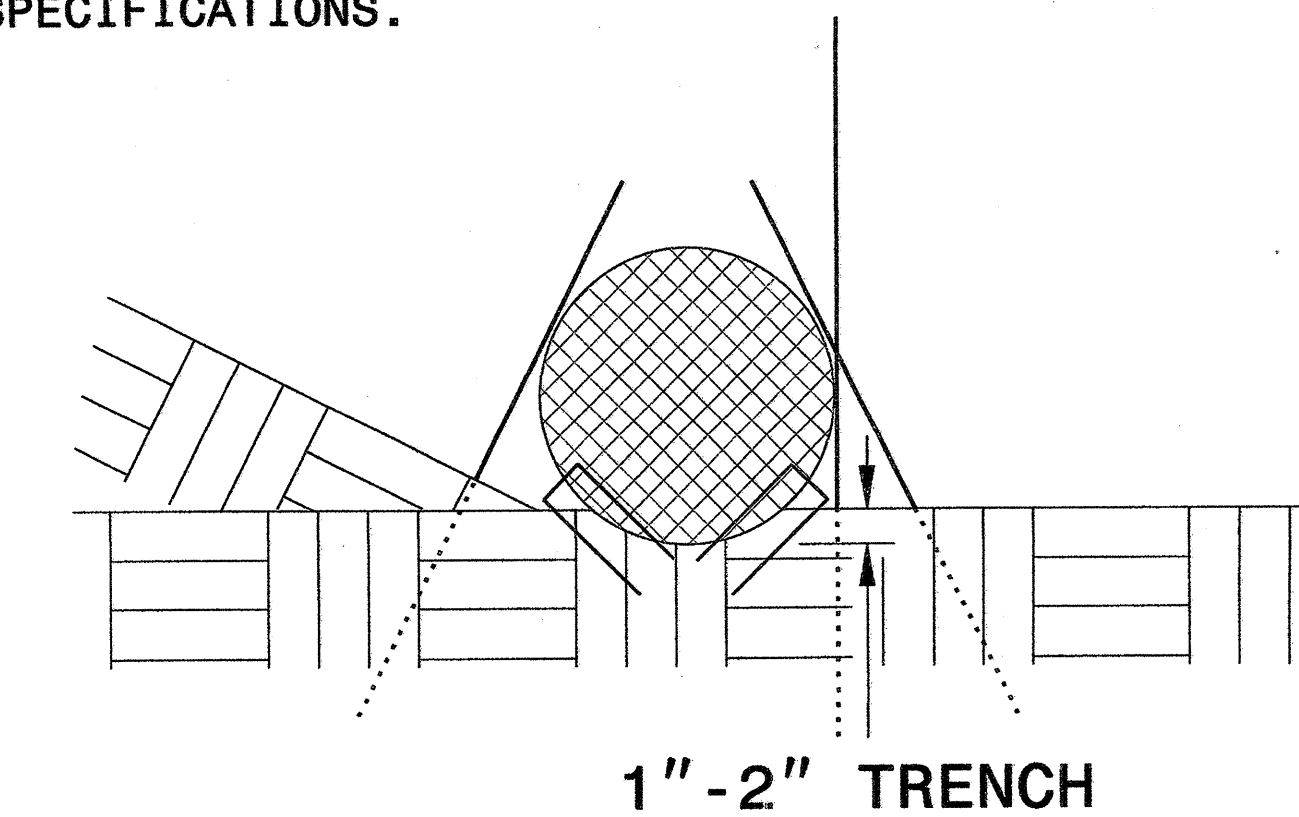


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- 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.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

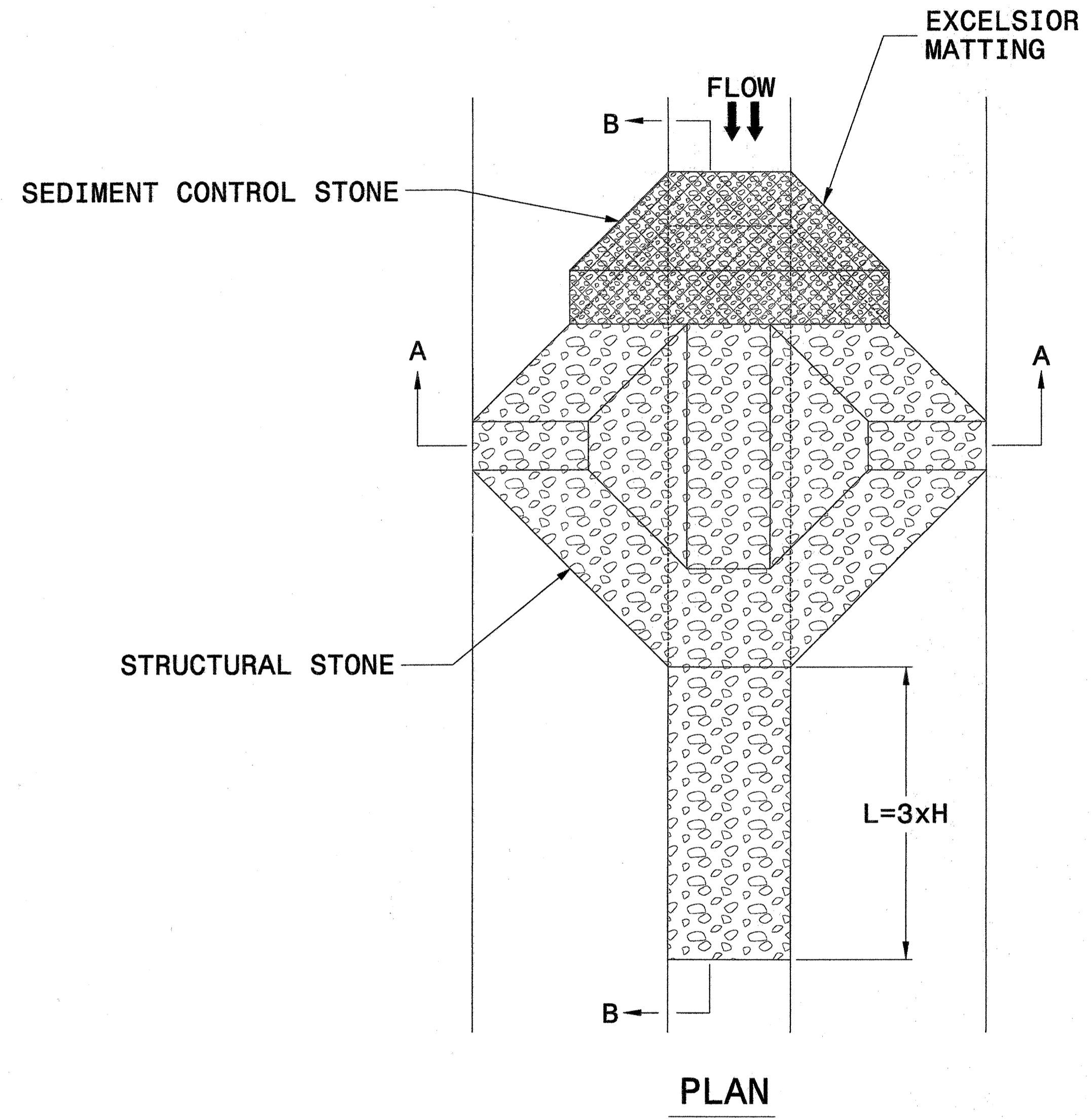
INSET A



SIDE VIEW

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

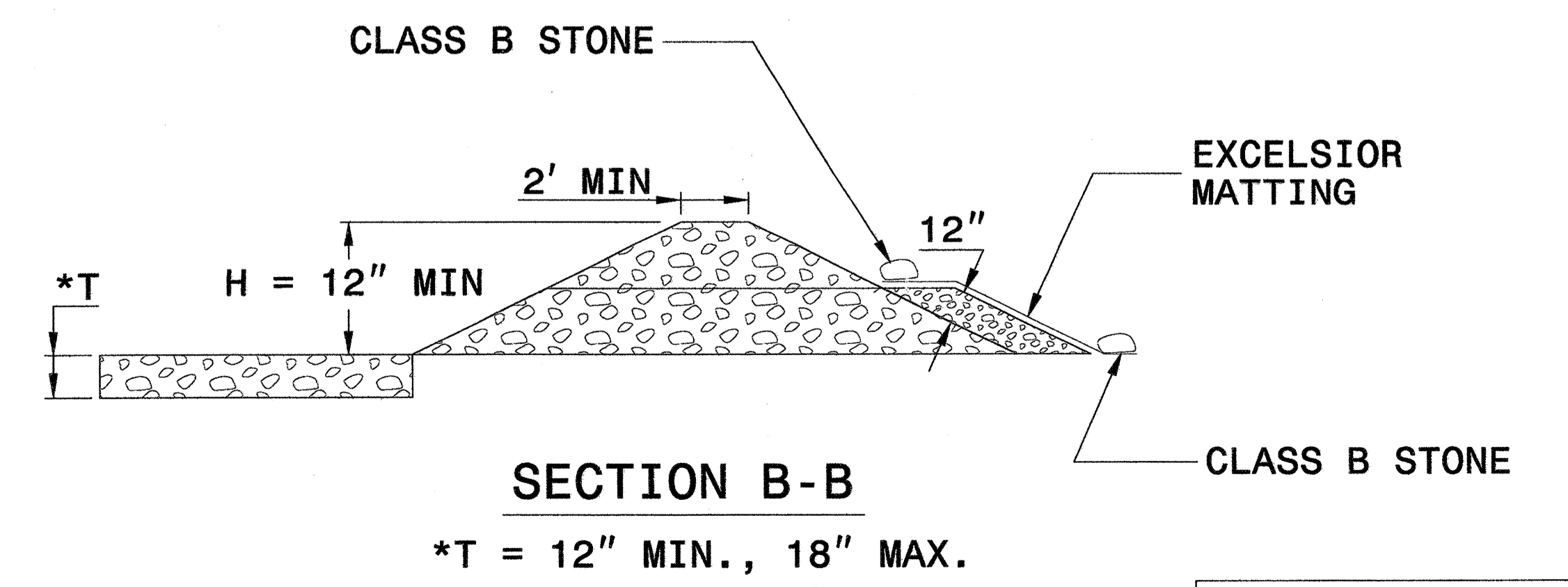
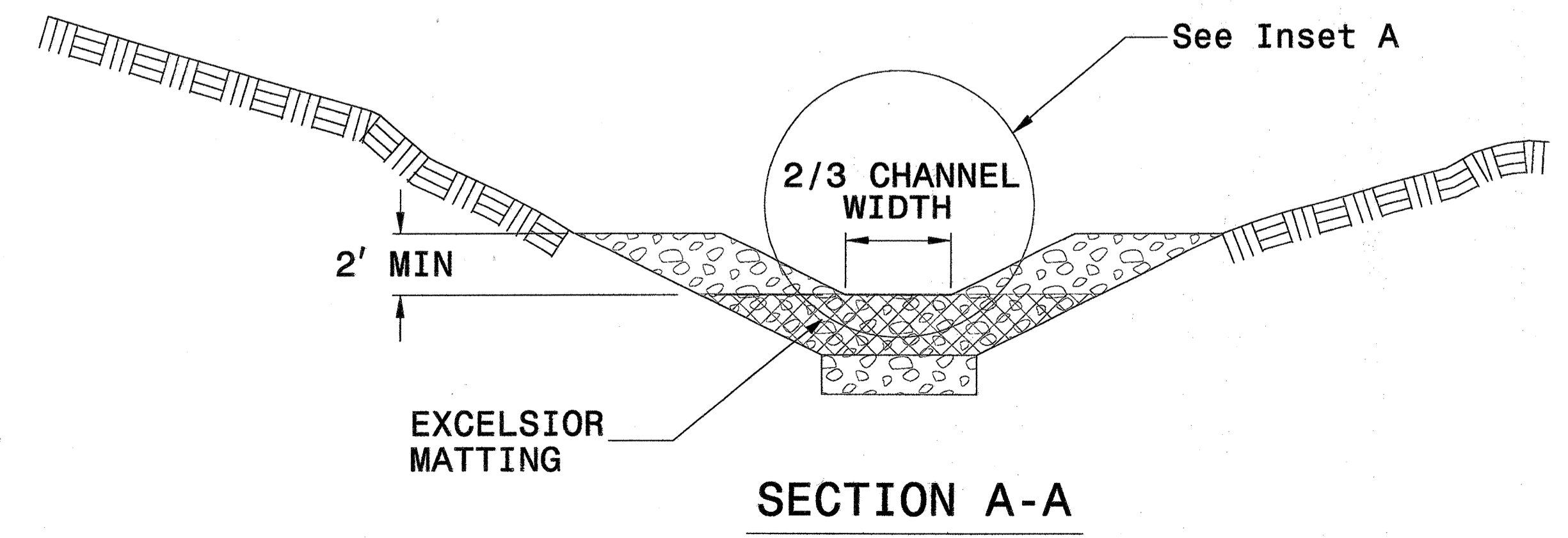
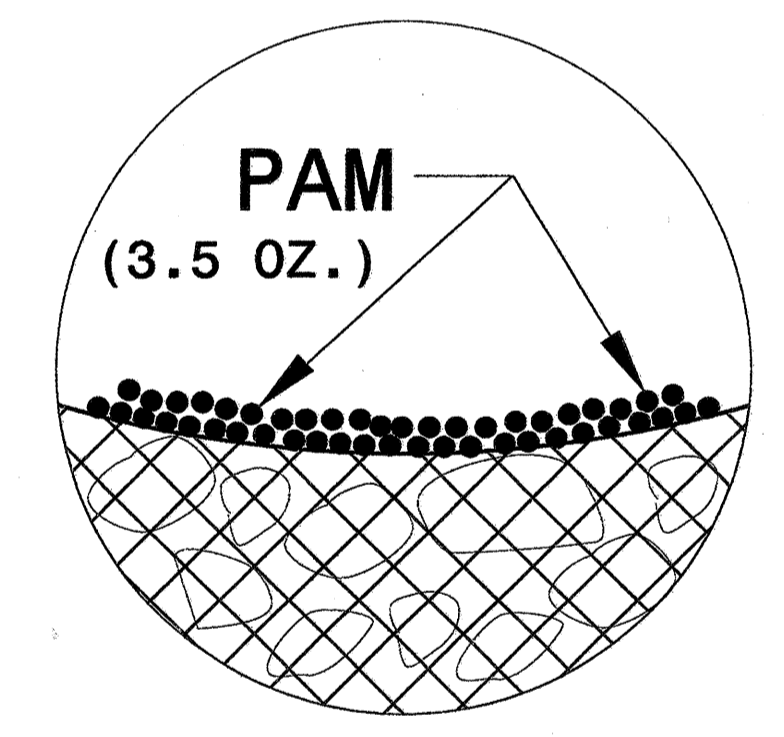


NOTES

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



NOT TO SCALE

0302DEL_PT2

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>U-3459</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4 & 5	-L-	11+27	11+65	LT	55
4 & 5	-L-	11+65	13+04	LT	145
5	-Y1-	11+00	11+23	LT	15
5	-Y1-	11+23	12+00	LT	55
7	-Y4-	12+54	13+00	RT	55
7	-Y4-	13+00	13+50	RT	45
7	-Y4-	13+50	13+84	RT	35
7	-Y4-	14+71	15+25	LT	60
7	-Y4-	15+25	15+55	LT	30
8	-L-	27+71	28+00	RT	30
8	-L-	28+94	29+65	LT	75
8	-L-	29+65	30+50	LT	65
8 & 9	-L-	31+00	35+00	LT	285
8	-L-	29+50	29+82	RT	30
8	-L-	29+82	31+50	RT	175
9	-L-	32+00	34+40	RT	230
TK-4	-MAIN1DET-	8907+00	8912+00	RT	360
TK-7	-MAIN1DET-	8924+00	8932+80	RT	630
TK-11	-MAIN1-	8908+50	8912+50	RT	290
TK-12	-MAIN1-	8909+00	8913+50	LT	325
TK-13	-MAIN1-	8913+00	8915+00	RT	150
TK-13	-MAIN1-	8917+50	8932+80	RT	1,090
SUBTOTAL					4,230
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					14,410
TOTAL					18,640
SAY					18,850

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	13+55	13+70	RT	10
5	-L-	13+55	14+04	RT	40
8	-L-	30+50	31+00	LT	40
8	-L-	31+50	32+00	RT	55
SUBTOTAL					145
ADDITIONAL PSRM NEEDED PER HYDRAULICS UNIT					625
TOTAL					770
SAY					810

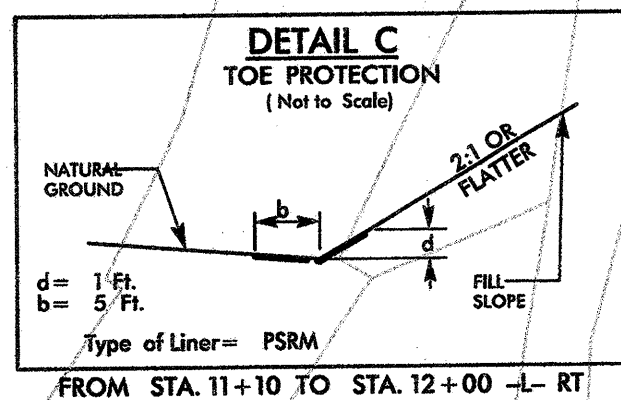
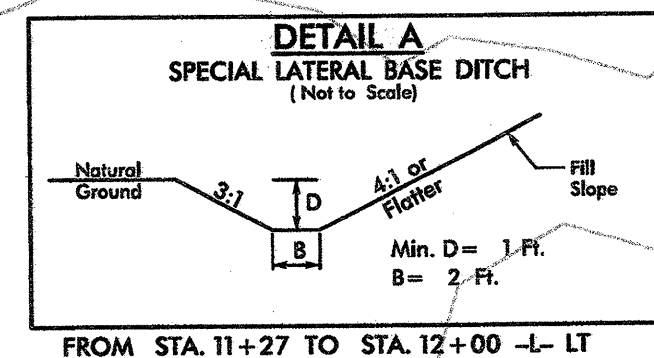
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-3A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

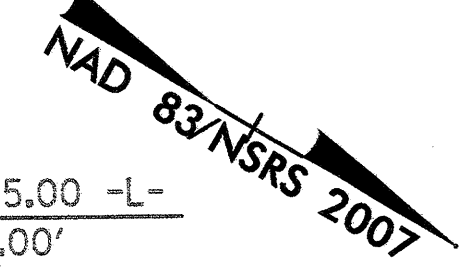
PROJECT REFERENCE NO. U-3459	SHEET NO. EC-4/CONST. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



70 x 30 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 22 ft. weir
 ID 01

SALISBURY BLVD GROUP
 DB 622 PG 897
 PB 9995 PG 1939
 BACK REF.
 DB 622 PG 746

PI Sta 12+76.84
 $\Delta = 2' 31" 33.2" (LT)$
 $D = 1' 08" 45.3"$
 $L = 220.43'$
 $T = 110.23'$
 $R = 5,000.00'$
 SE = N/C



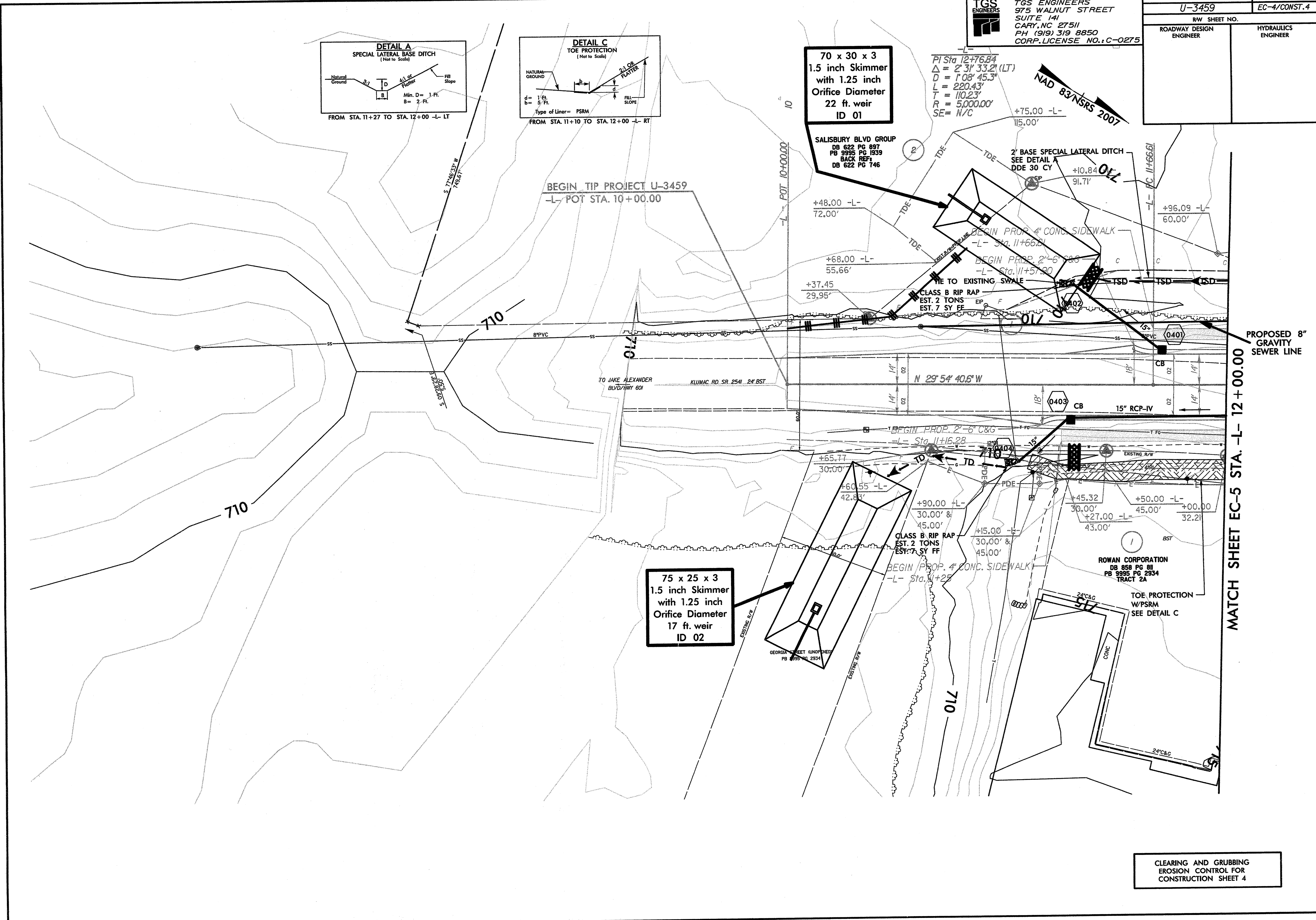
BEGIN TIP PROJECT U-3459
 -L- POT STA. 10+00.00


PROPOSED 8" GRAVITY SEWER LINE
 MATCH SHEET EC-5 STA. -L- 12+00.00

75 x 25 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 17 ft. weir
 ID 02

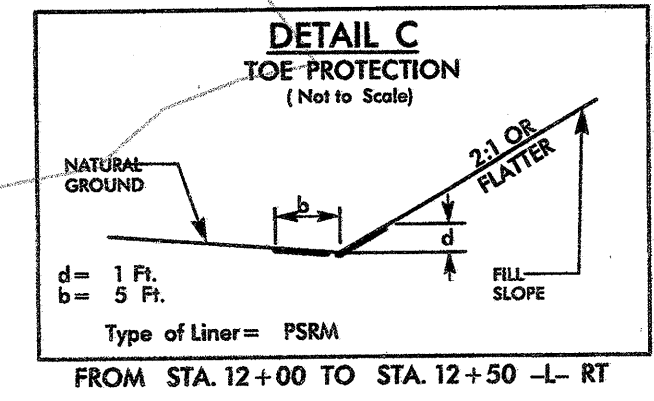
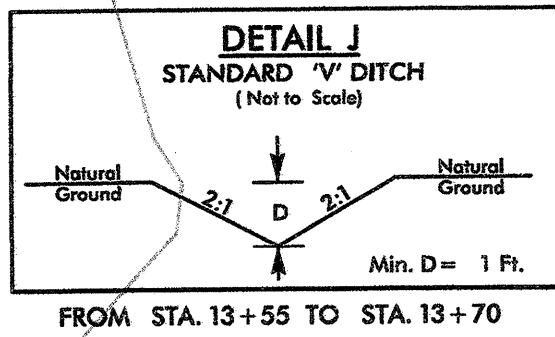
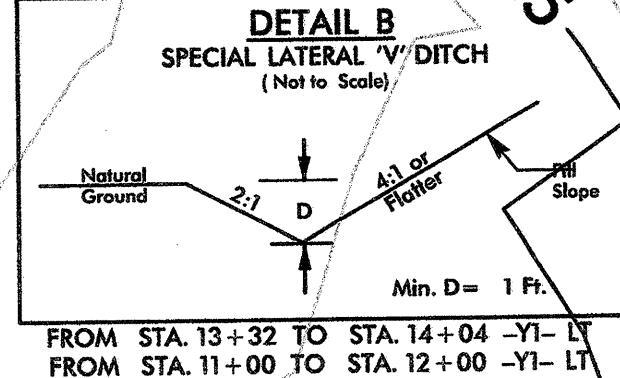
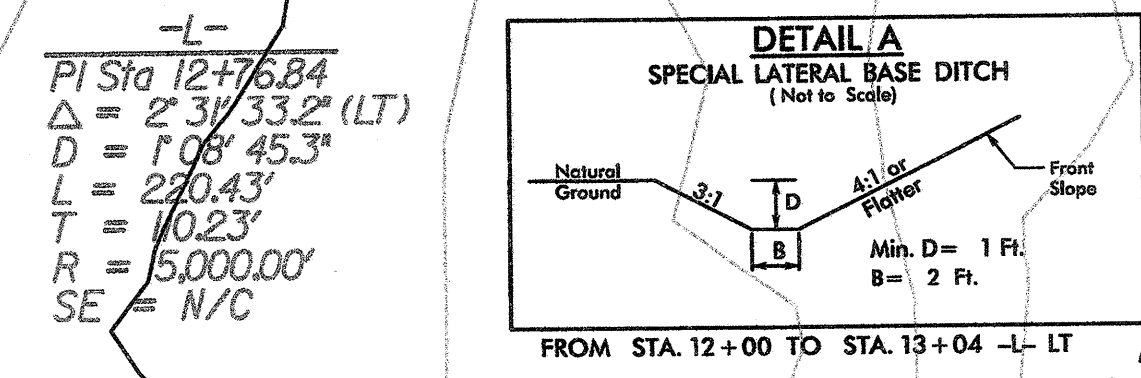
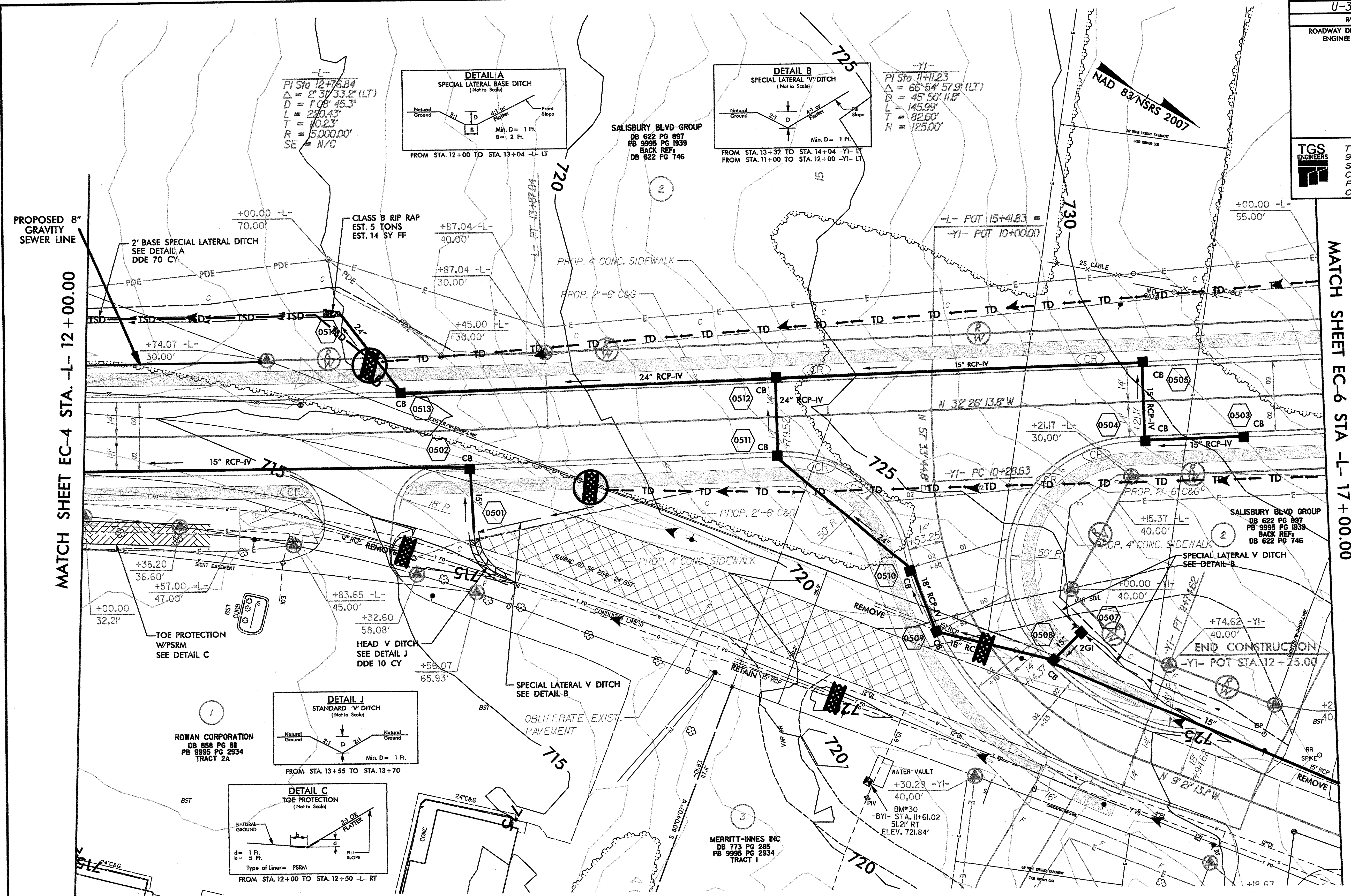
ROWAN CORPORATION
 DB 858 PG 81
 PB 9995 PG 2934
 TRACT 2A

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 4




PROJECT REFERENCE NO. U-3459	SHEET NO. EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275	

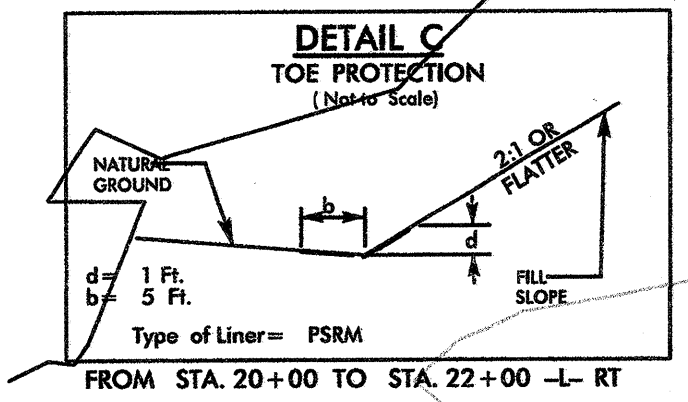
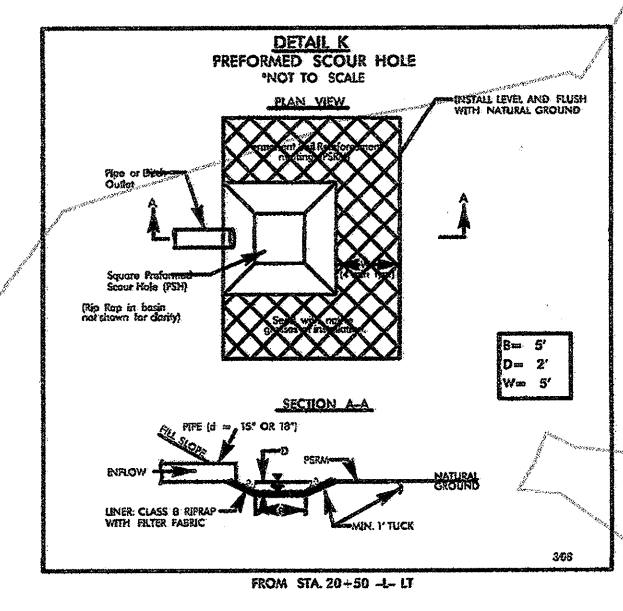
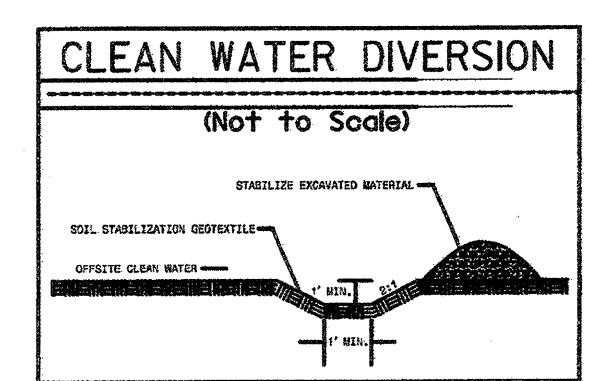
0302DEL_P12



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

0302DEL_P12

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-6/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

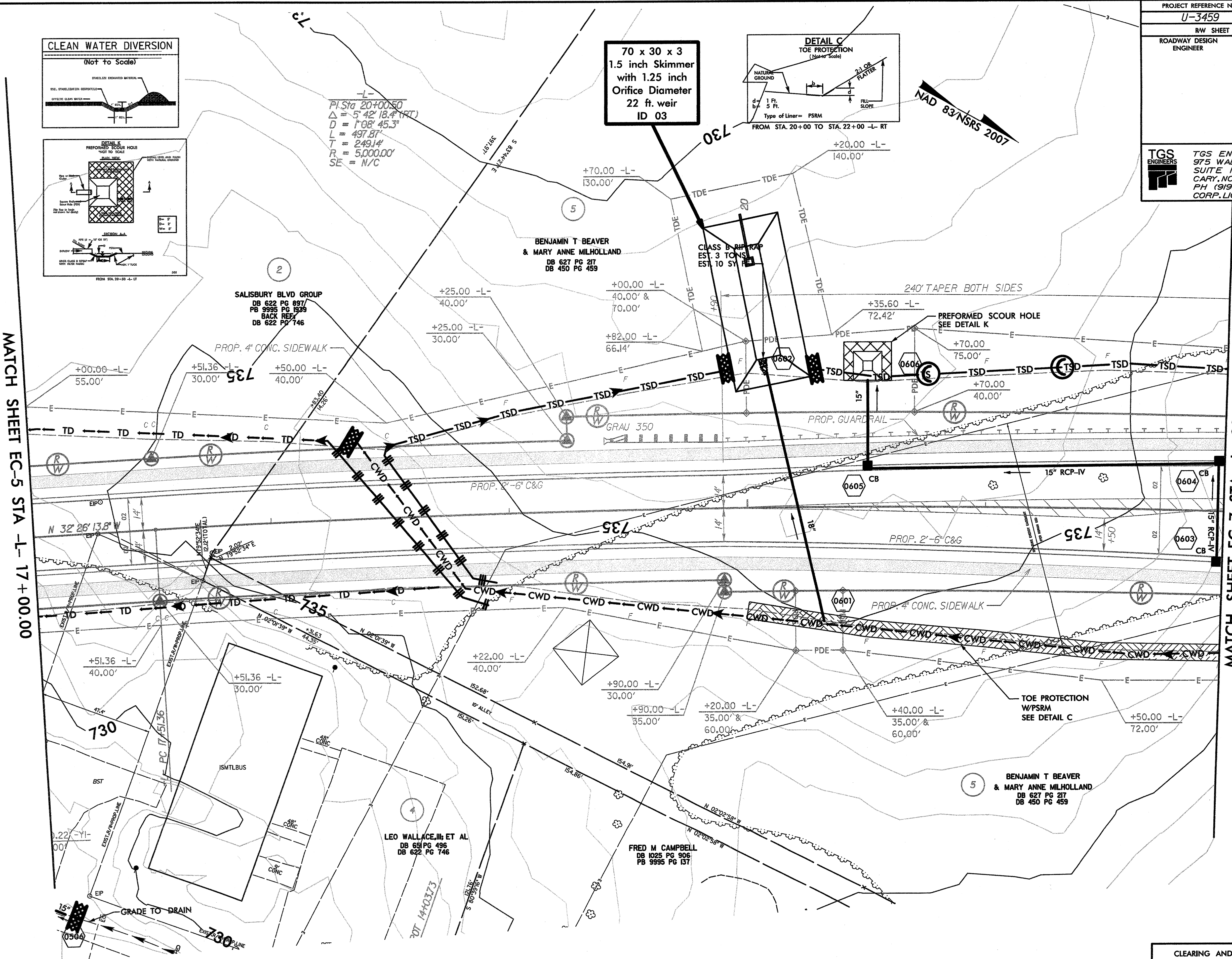


**70 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
22 ft. weir
ID 03**


PI Sta 20+00.50
 $\Delta = 5' 42" (16.4' RT)$
 $D = 1' 08" 45.3"$
 $L = 497.87'$
 $T = 249.14'$
 $R = 5,000.00'$
 $SE = N/C$

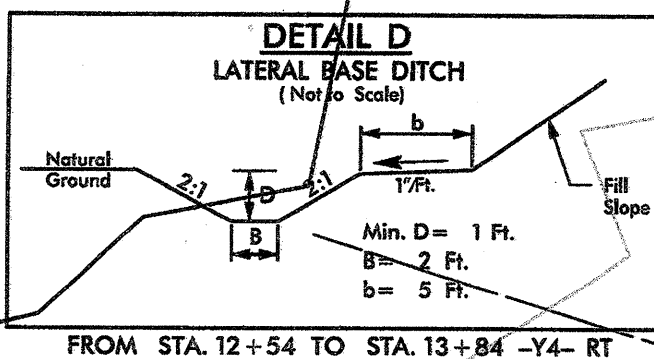
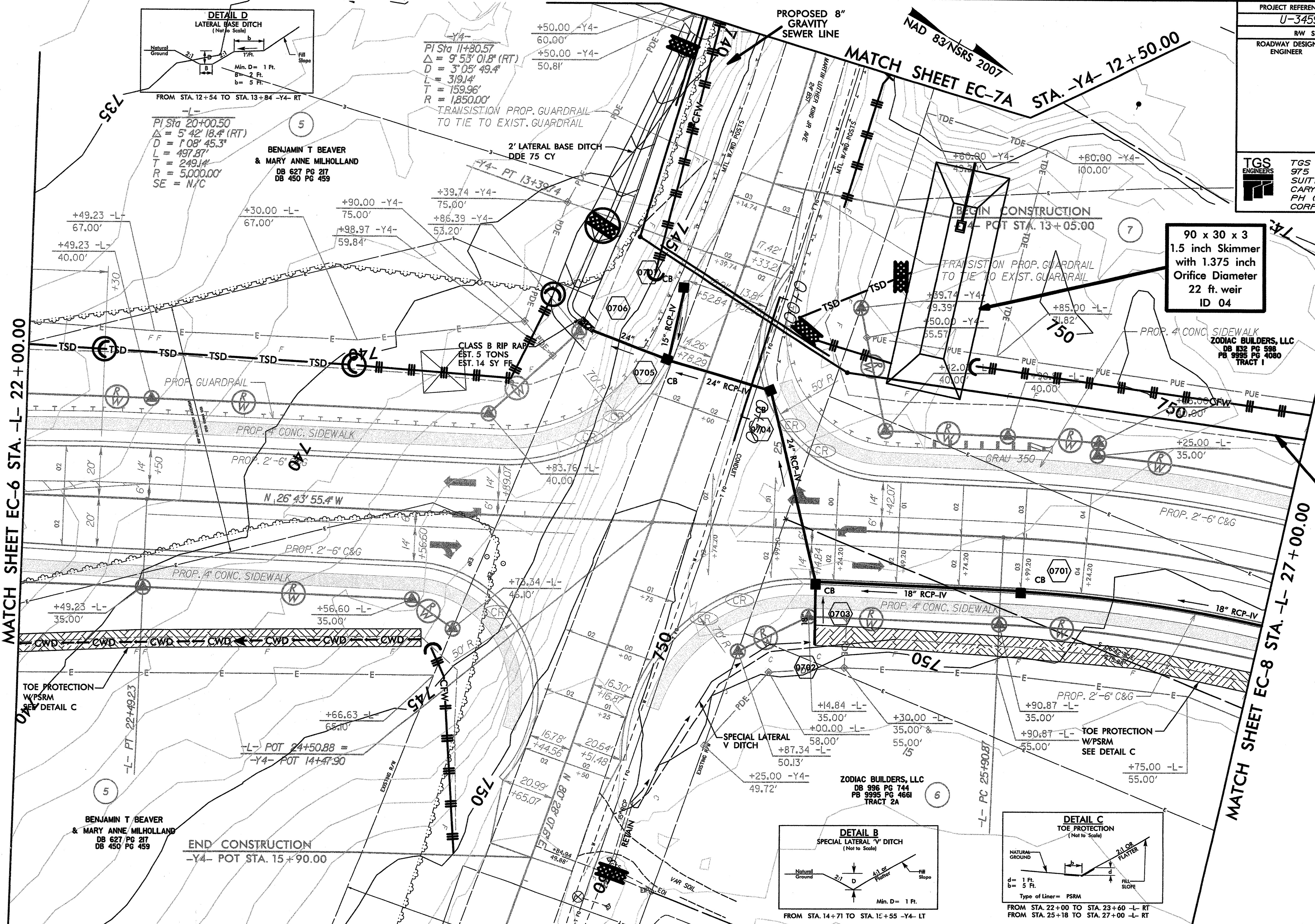
MATCH SHEET EC-5 STA -L- 17+00.00

MATCH SHEET EC-7 STA -L- 22+00.00



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 6

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-7/CONST.7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



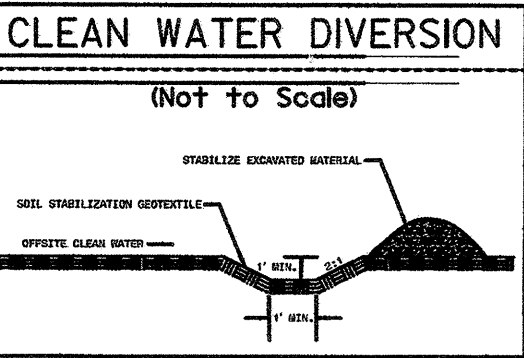
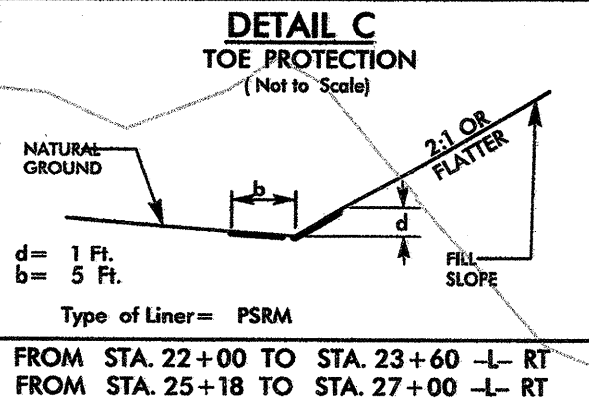
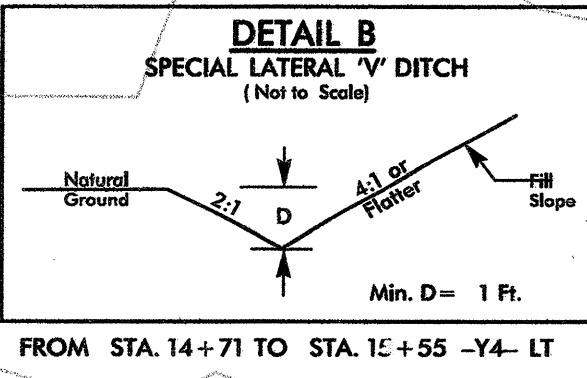
FROM STA. 12+54 TO STA. 13+84 -Y4- RT

PI Sta 20+00.50
 $\Delta = 5' 42'' 18.4'' (RT)$
 $D = 1' 08'' 45.3''$
 $L = 497.87'$
 $T = 249.14'$
 $R = 5,000.00'$
 $SE = N/C$

PI Sta 11+80.57
 $\Delta = 9' 53'' 01.8'' (RT)$
 $D = 3' 05'' 49.4''$
 $L = 319.14'$
 $T = 159.96'$
 $R = 1,850.00'$

TRANSITION PROP. GUARDRAIL TO TIE TO EXIST. GUARDRAIL

90 x 30 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 22 ft. weir
 ID 04



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 7


MATCH SHEET EC-6 STA. -L- 22+00.00

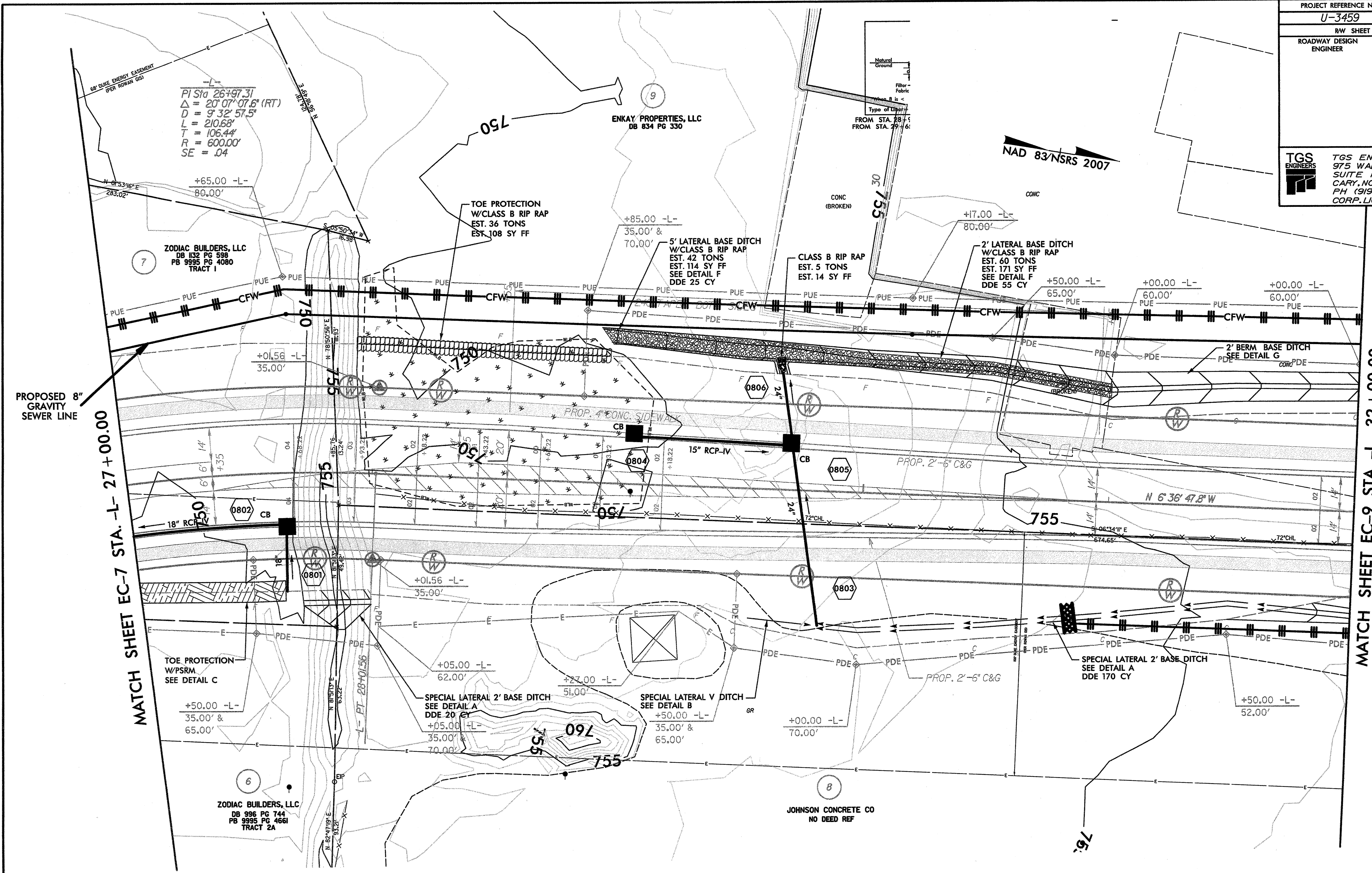
MATCH SHEET EC-8 STA. -L- 27+00.00

BENJAMIN T BEAVER
 & MARY ANNE MILHOLLAND
 DB 627 PG 217
 DB 450 PG 459

ZODIAC BUILDERS, LLC
 DB 996 PG 744
 PB 9995 PG 4661
 TRACT 2A

ZODIAC BUILDERS, LLC
 DB 832 PG 598
 PB 9995 PG 4080
 TRACT 1

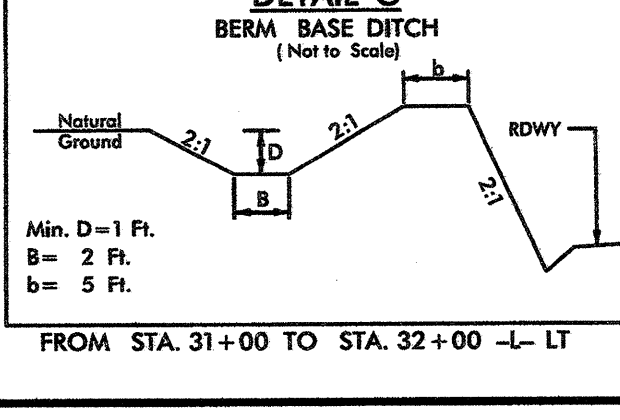
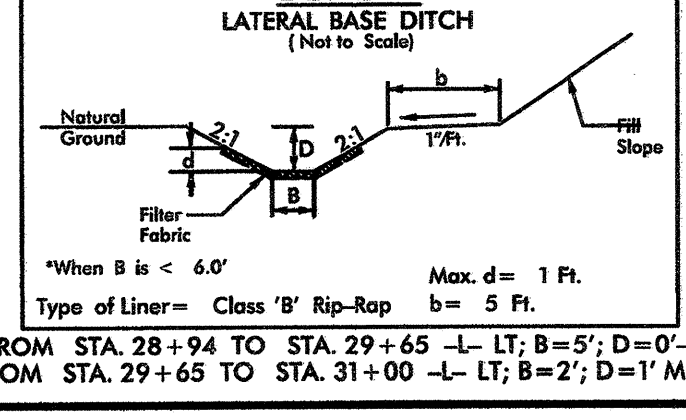
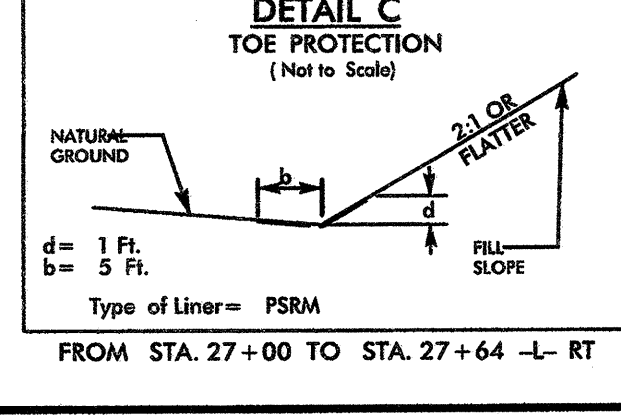
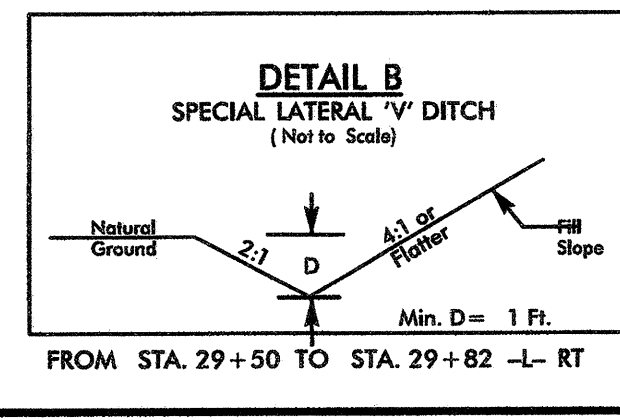
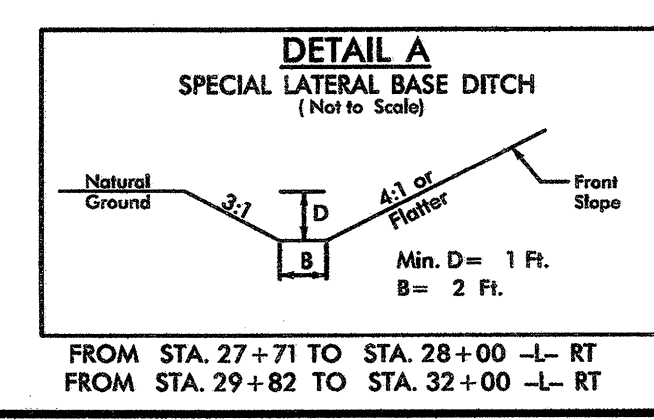
PROJECT REFERENCE NO. U-3459		SHEET NO. EC-8/CONST.8	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



PROPOSED 8" GRAVITY SEWER LINE

MATCH SHEET EC-7 STA. -L- 27+00.00


MATCH SHEET EC-9 STA. -L- 32+00.00

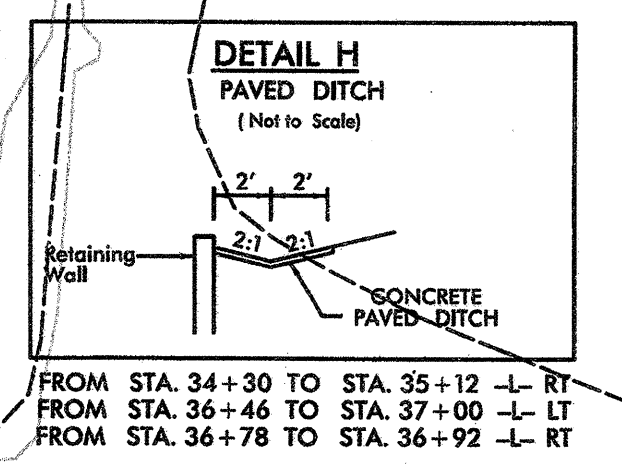
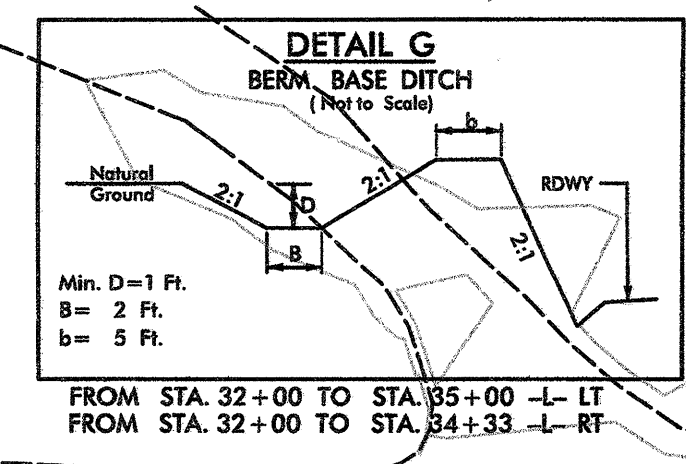
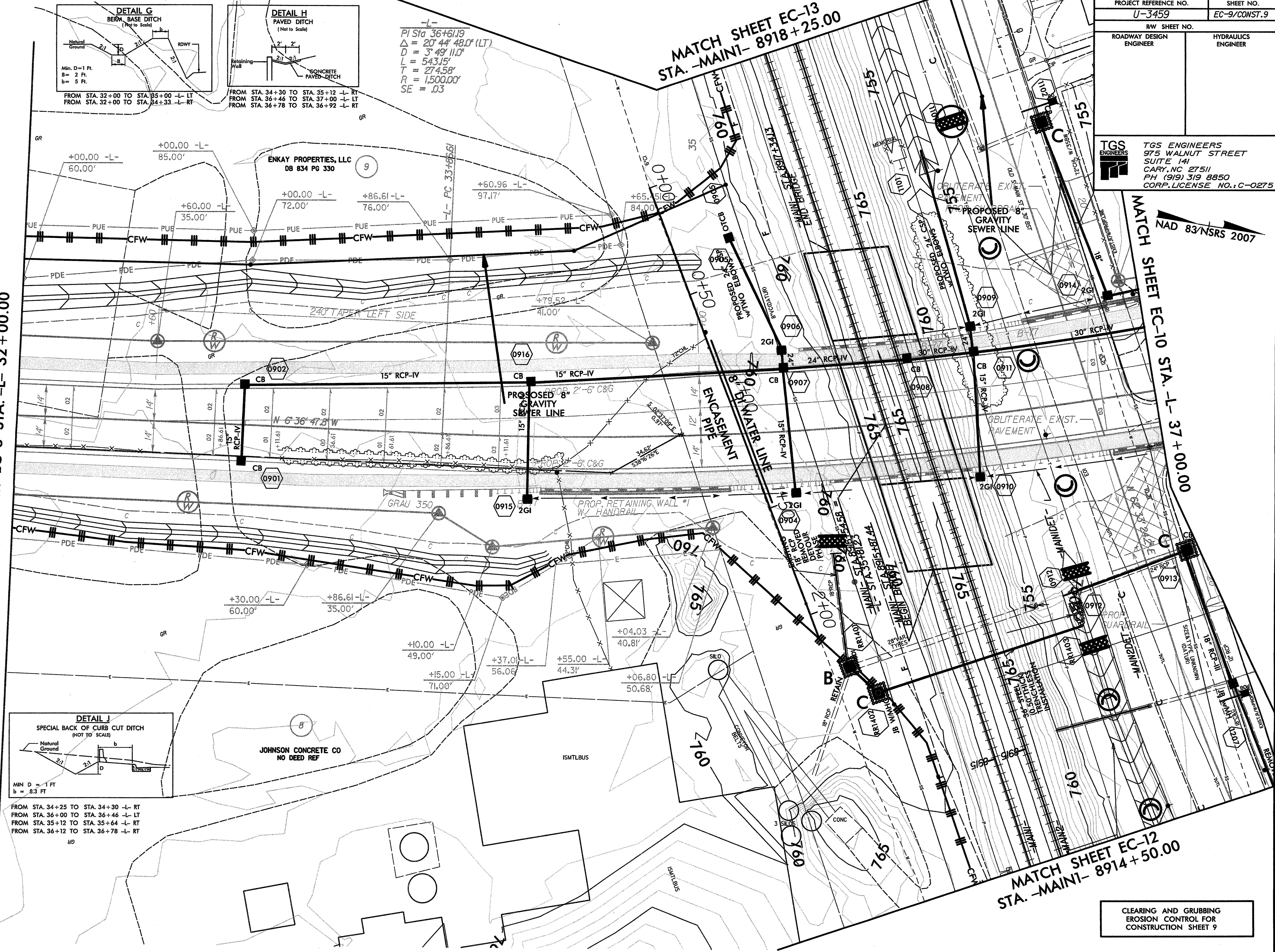


CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

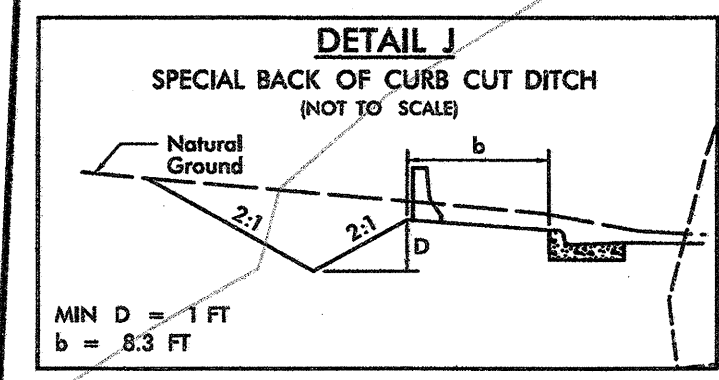
MATCH SHEET EC-8 STA. -L- 32+00.00

MATCH SHEET EC-13
STA. -MAIN1- 8918+25.00

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO. C-0275	



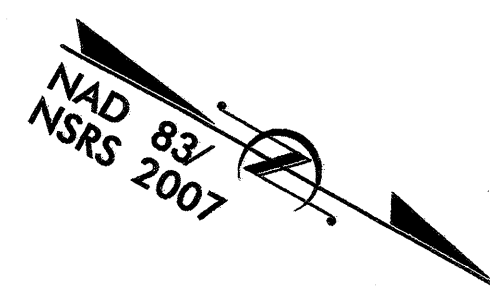
-L-
 PI Sta 36+61.19
 $\Delta = 20^\circ 44' 48.0''$ (LT)
 $D = 3^\circ 49' 11.0''$
 $L = 543.15'$
 $T = 274.58'$
 $R = 1,500.00'$
 $SE = .03$



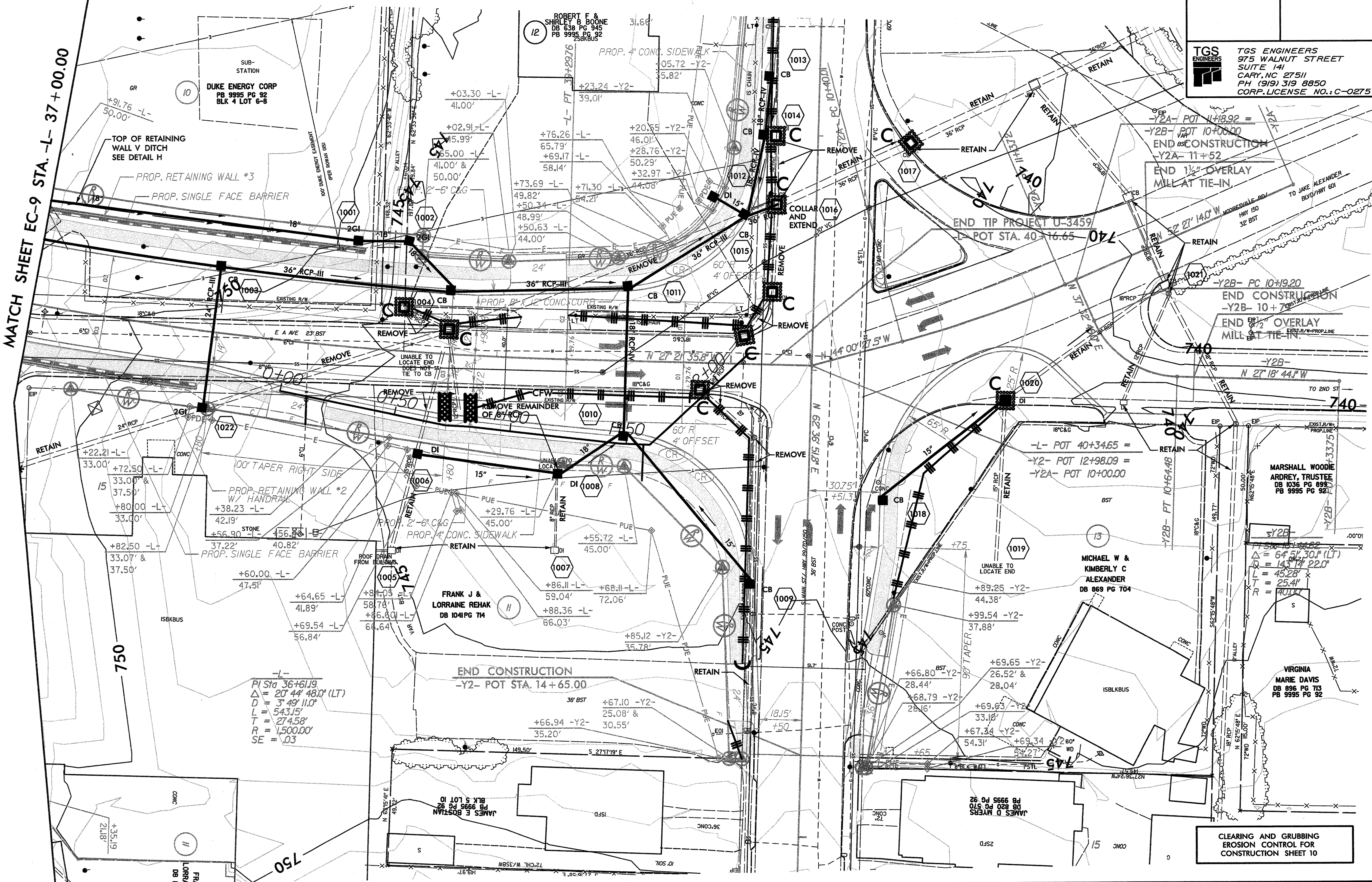
FROM STA. 34+25 TO STA. 34+30 -L- RT
 FROM STA. 36+00 TO STA. 36+46 -L- LT
 FROM STA. 35+12 TO STA. 35+64 -L- RT
 FROM STA. 36+12 TO STA. 36+78 -L- RT

MATCH SHEET EC-12
 STA. -MAIN1- 8914+50.00


CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 9

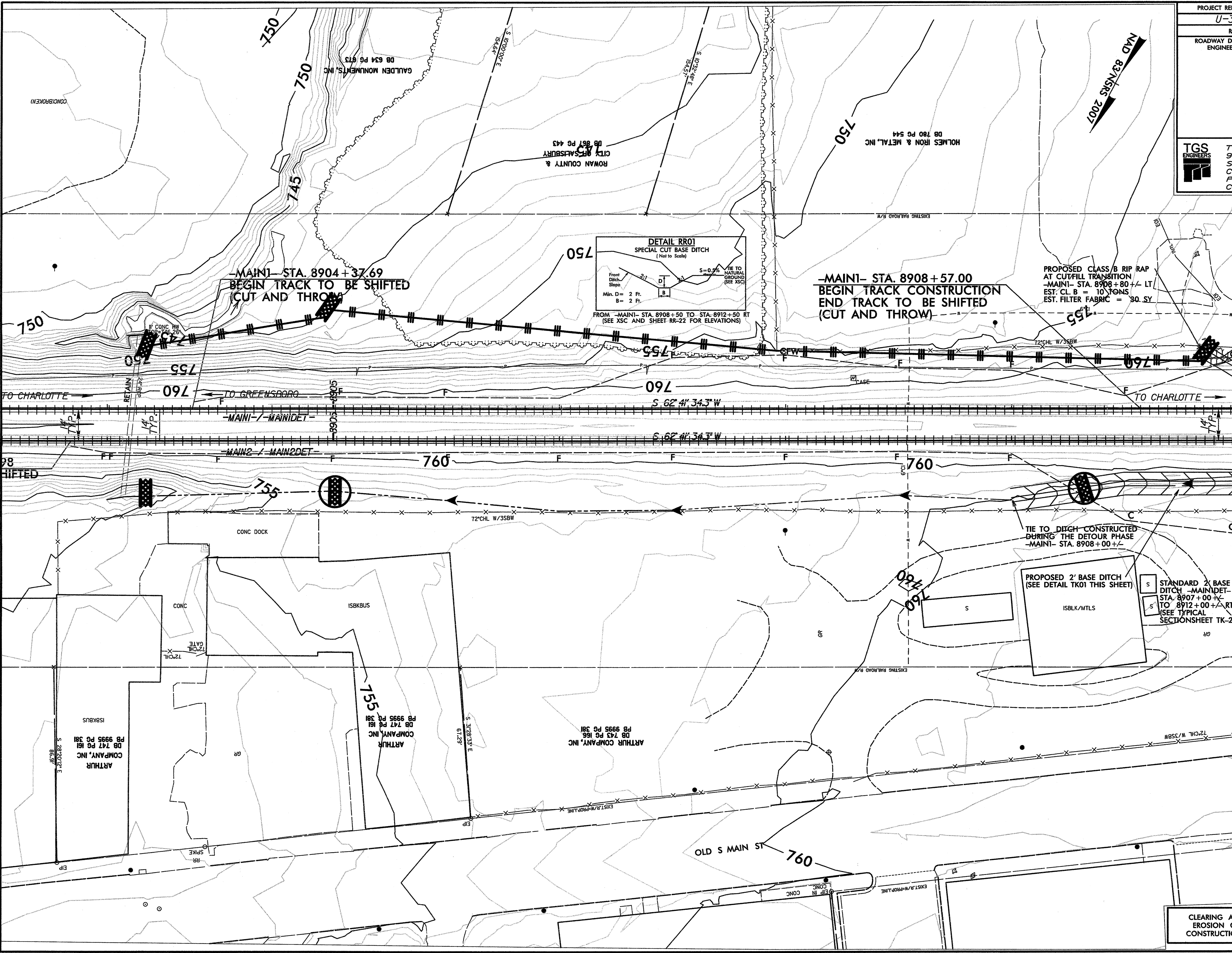


MATCH SHEET EC-9 STA. -L- 37+00.00



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-II/CONST.TK11	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



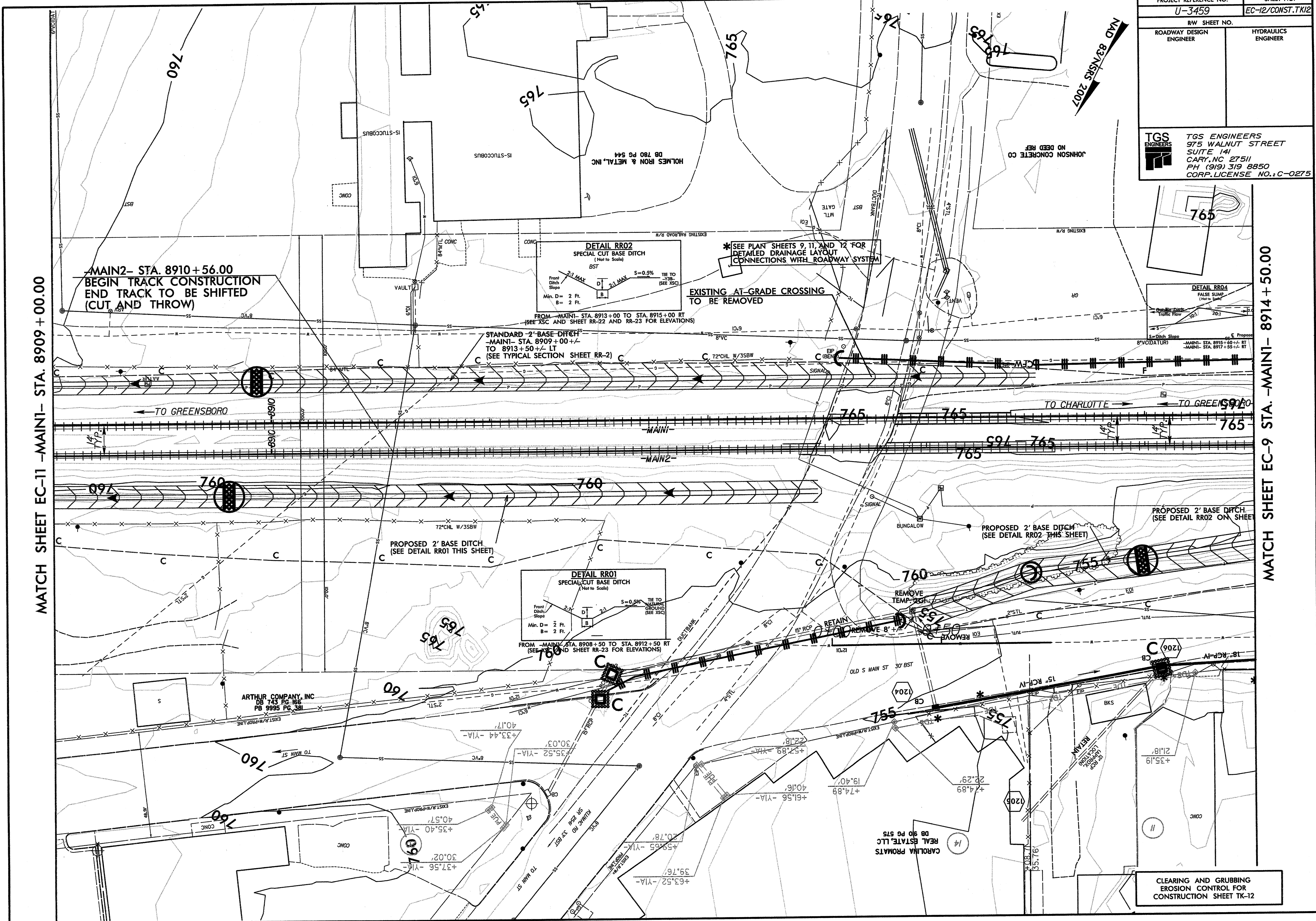
MATCH SHEET EC-12 -MAIN1- STA. 8909 + 00.00

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET TK-11

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-12/CONST.TK12	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-11 -MAIN1- STA. 8909 + 00.00

MATCH SHEET EC-9 STA. -MAIN1- 8914 + 50.00

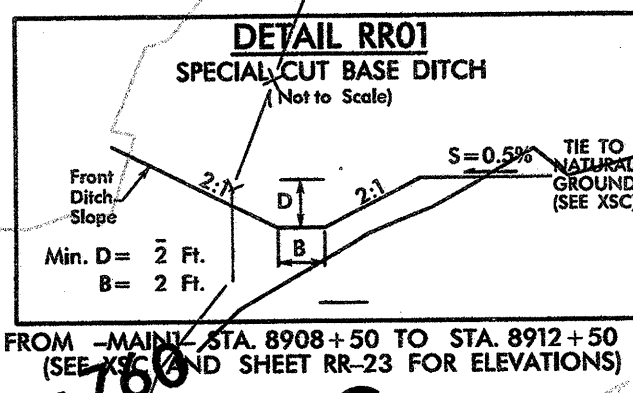
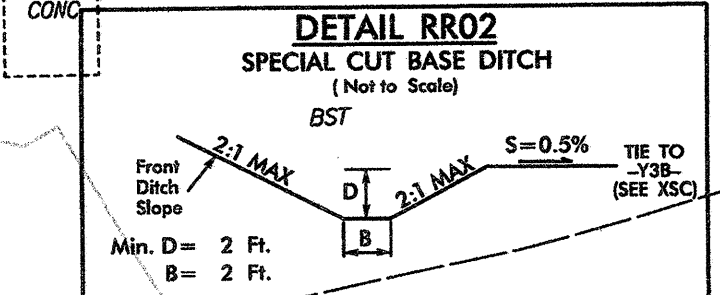


MAIN2- STA. 8910 + 56.00
 BEGIN TRACK CONSTRUCTION
 END TRACK TO BE SHIFTED
 (CUT AND THROW)

*SEE PLAN SHEETS 9, 11, AND 12 FOR
 DETAILED DRAINAGE LAYOUT
 CONNECTIONS WITH ROADWAY SYSTEM

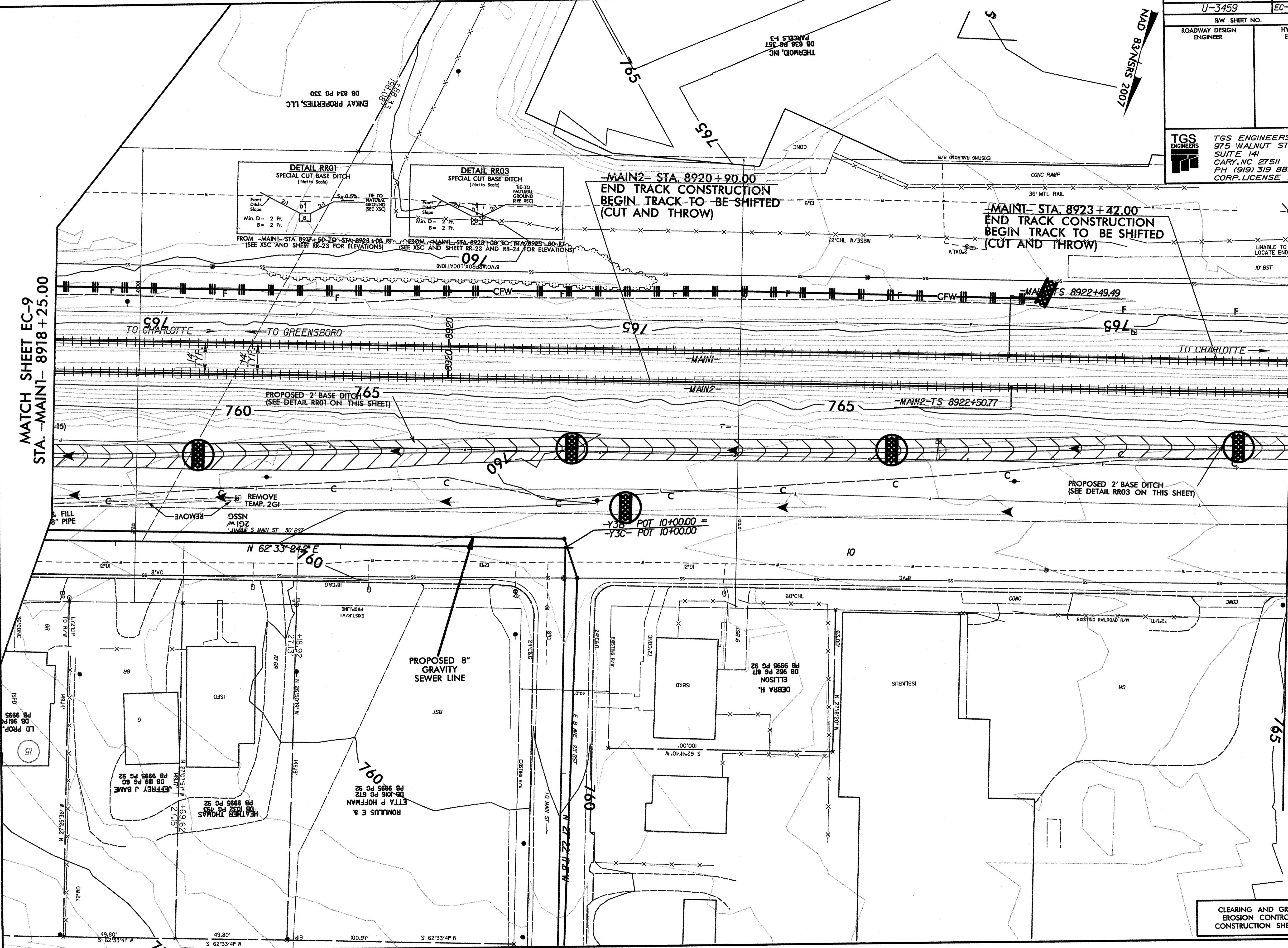
EXISTING AT-GRADE CROSSING
 TO BE REMOVED

STANDARD 2' BASE DITCH
 -MAIN1- STA. 8909 + 00 +/-
 TO 8913 + 50 +/- LT
 (SEE TYPICAL SECTION SHEET RR-2)




CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET TK-12

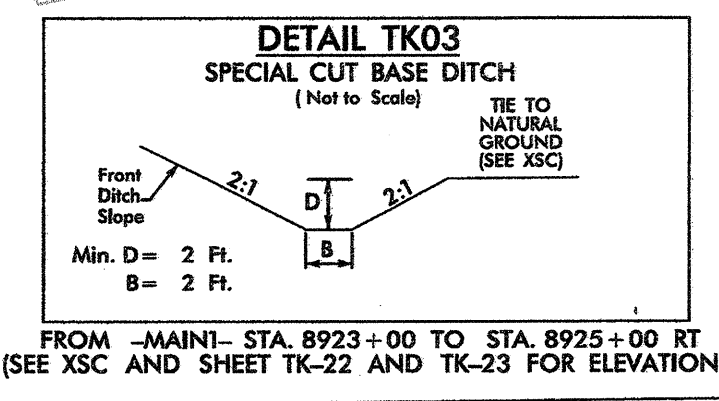
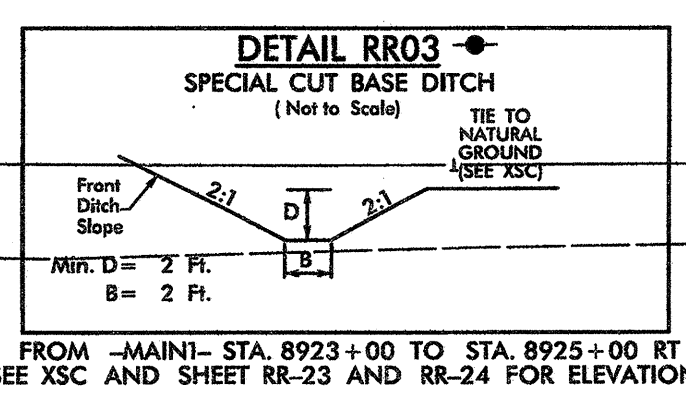
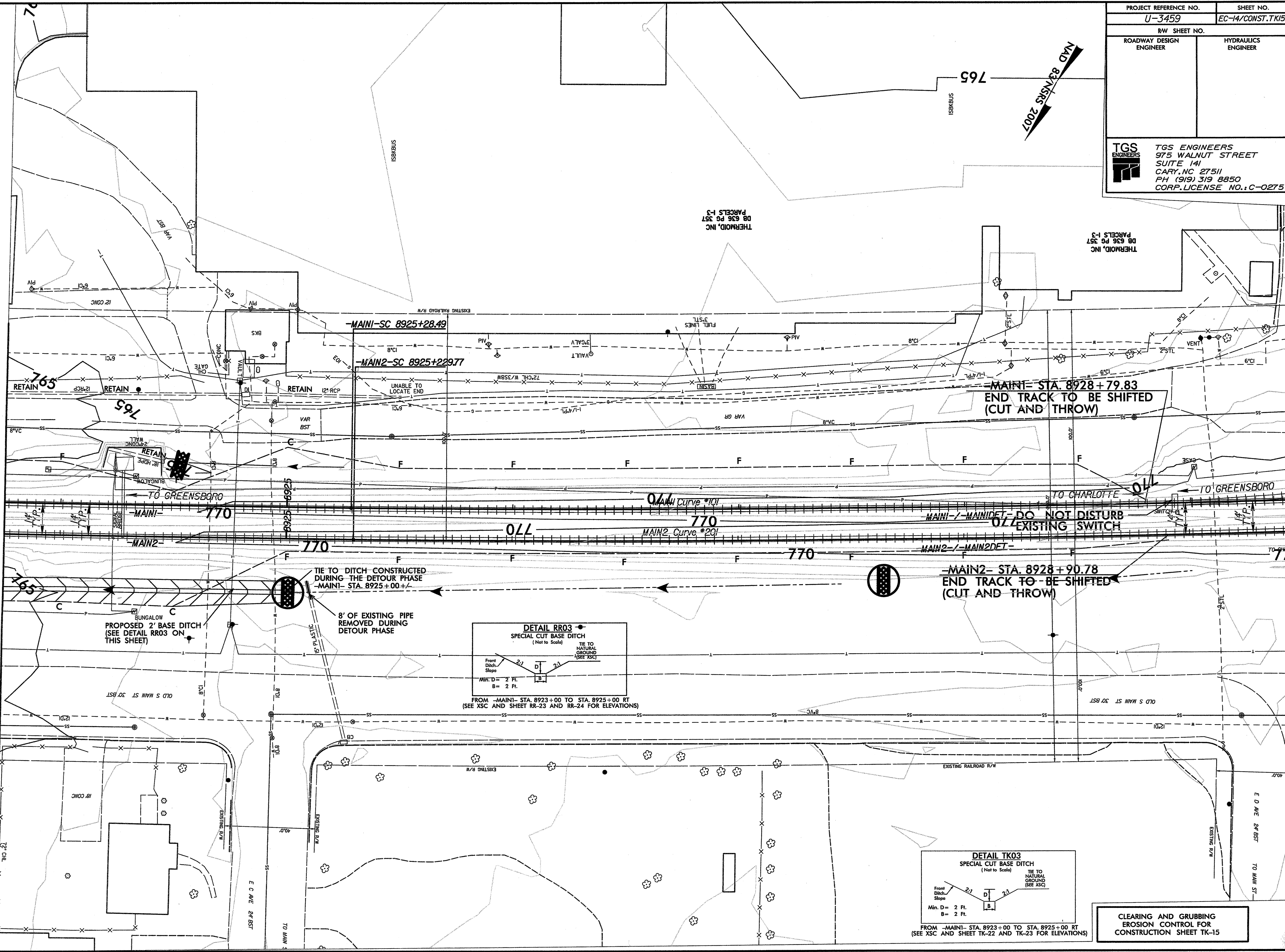
PROJECT REFERENCE NO. U-3459		SHEET NO. EC-13/CONST.TK14	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			




CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET TK-14

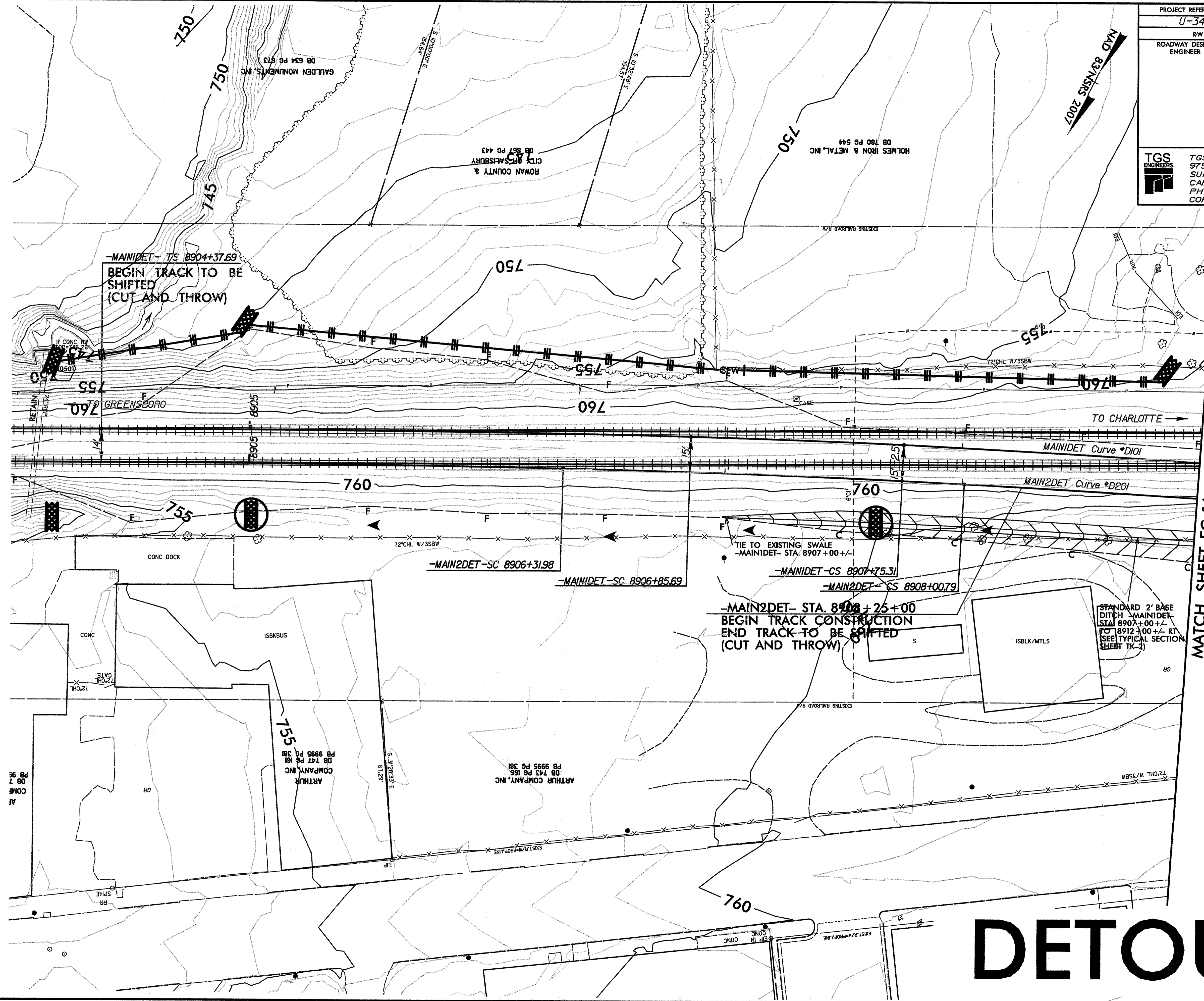
PROJECT REFERENCE NO. U-3459		SHEET NO. EC-14/CONST.TK15	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-13 -MAIN1- STA. 8923 + 75.00



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET TK-15

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-15/CONST.RR5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



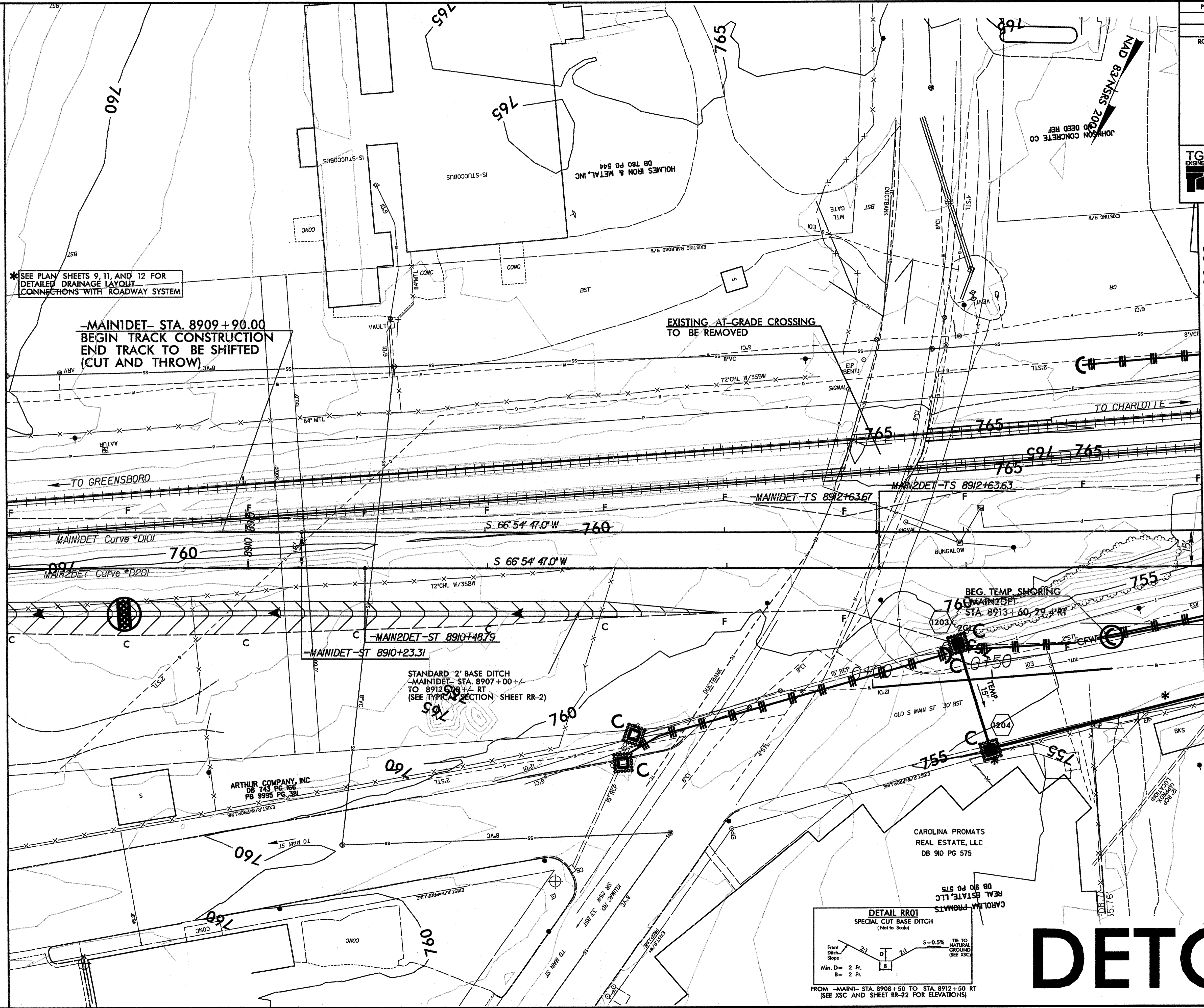
MATCH SHEET EC-16 -MAINIDET- STA. 8909+00.00

DETOUR

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-16/CONST.RR6	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-15 -MAINIDET- STA. 8909 + 00.00

MATCH SHEET EC-17 -MAINIDET- STA. 8914 + 00.00

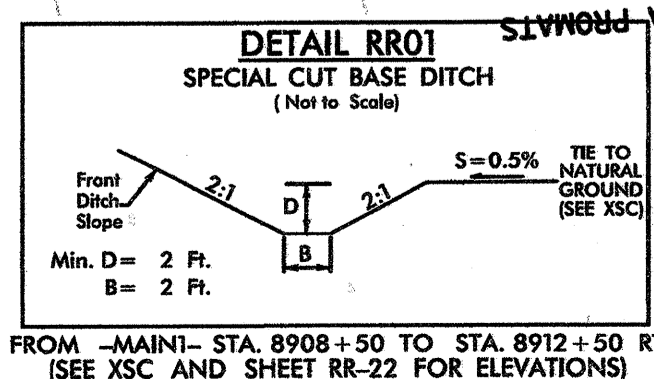


*SEE PLAN SHEETS 9, 11, AND 12 FOR DETAILED DRAINAGE LAYOUT CONNECTIONS WITH ROADWAY SYSTEM

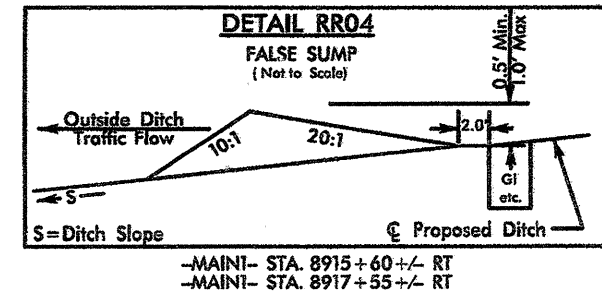
-MAINIDET- STA. 8909 + 90.00
 BEGIN TRACK CONSTRUCTION
 END TRACK TO BE SHIFTED
 (CUT AND THROW)


EXISTING AT-GRADE CROSSING
 TO BE REMOVED

STANDARD 2' BASE DITCH
 -MAINIDET- STA. 8907 + 00 + RT
 TO 8912 + 50 + RT
 (SEE TYPICAL SECTION SHEET RR-2)



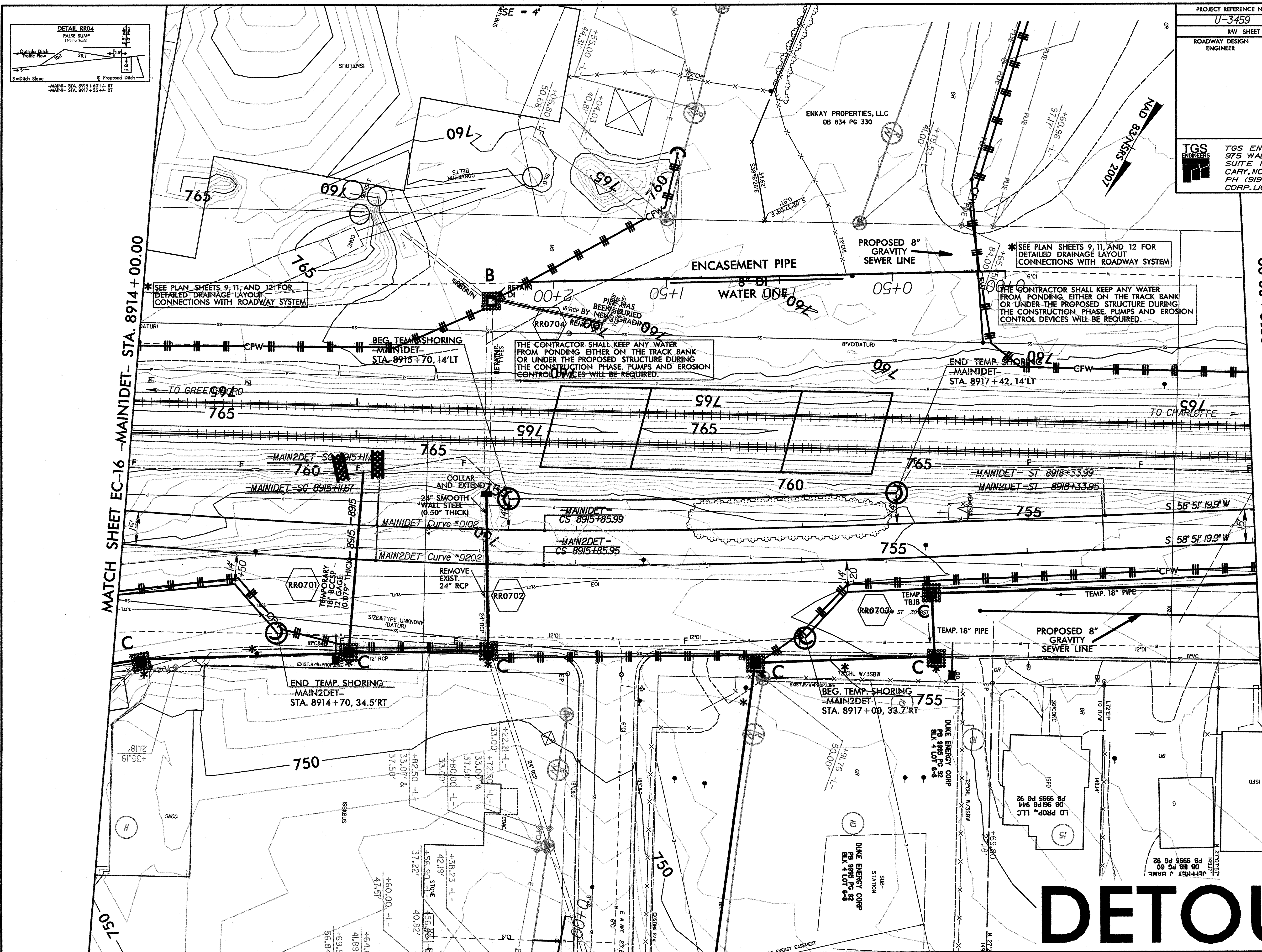
DETOUR



PROJECT REFERENCE NO. U-3459		SHEET NO. EC-17/CONST.RR7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-16 -MAIN1DET- STA. 8914 + 00.00

MATCH SHEET EC-18 -MAIN1DET- STA. 8919 + 00.00



*SEE PLAN SHEETS 9, 11, AND 12 FOR DETAILED DRAINAGE LAYOUT CONNECTIONS WITH ROADWAY SYSTEM

*SEE PLAN SHEETS 9, 11, AND 12 FOR DETAILED DRAINAGE LAYOUT CONNECTIONS WITH ROADWAY SYSTEM

THE CONTRACTOR SHALL KEEP ANY WATER FROM PONDING EITHER ON THE TRACK BANK OR UNDER THE PROPOSED STRUCTURE DURING THE CONSTRUCTION PHASE. PUMPS AND EROSION CONTROL DEVICES WILL BE REQUIRED.


THE CONTRACTOR SHALL KEEP ANY WATER FROM PONDING EITHER ON THE TRACK BANK OR UNDER THE PROPOSED STRUCTURE DURING THE CONSTRUCTION PHASE. PUMPS AND EROSION CONTROL DEVICES WILL BE REQUIRED.

END TEMP. SHORING
-MAIN1DET-
STA. 8917 + 42, 14'LT

END TEMP. SHORING
-MAIN2DET-
STA. 8914 + 70, 34.5'RT

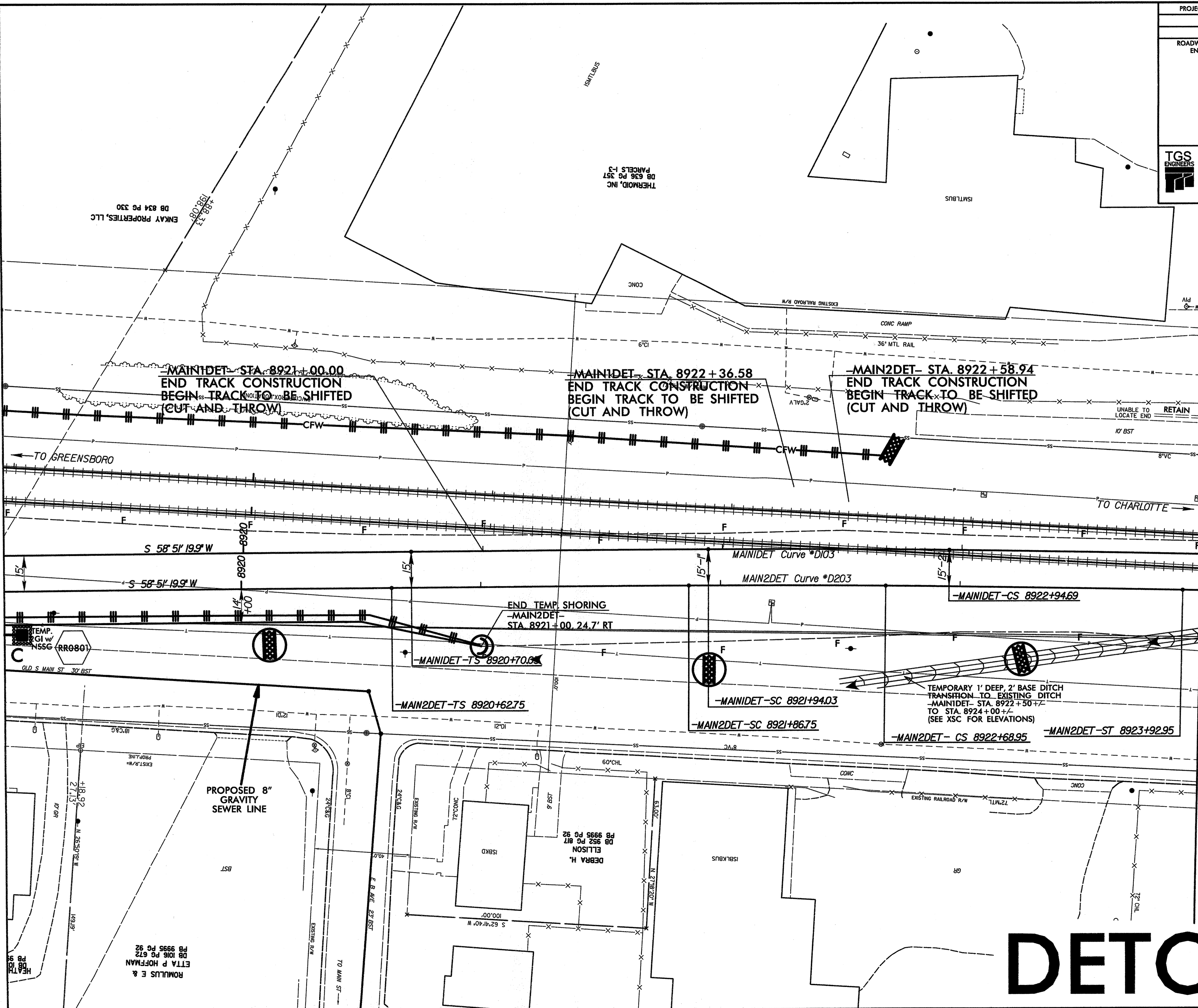
BEG. TEMP. SHORING
-MAIN2DET-
STA. 8917 + 00, 33.7'KT

DETOUR

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-18/CONST.RR8	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-17 -MAIN1DET- STA. 8919 + 00.00

MATCH SHEET EC-19 -MAIN1DET- STA. 8924 + 00.00



NAD 83/NAVS 2007

DETOUR

ROMULUS E &
 ETA P HOFFMAN
 DB 106 PG 672
 PB 9995 PG 92

DEBRA H.
 ELLISON
 DB 952 PG 817
 PB 9995 PG 92

ENKAY PROPERTIES, LLC
 DB 834 PG 330

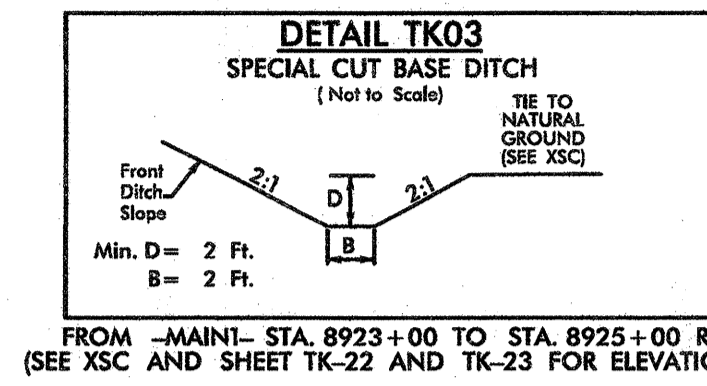
THE RYAN, INC
 DB 636 PG 357
 PARCELS 1-3

0302DEL_P12

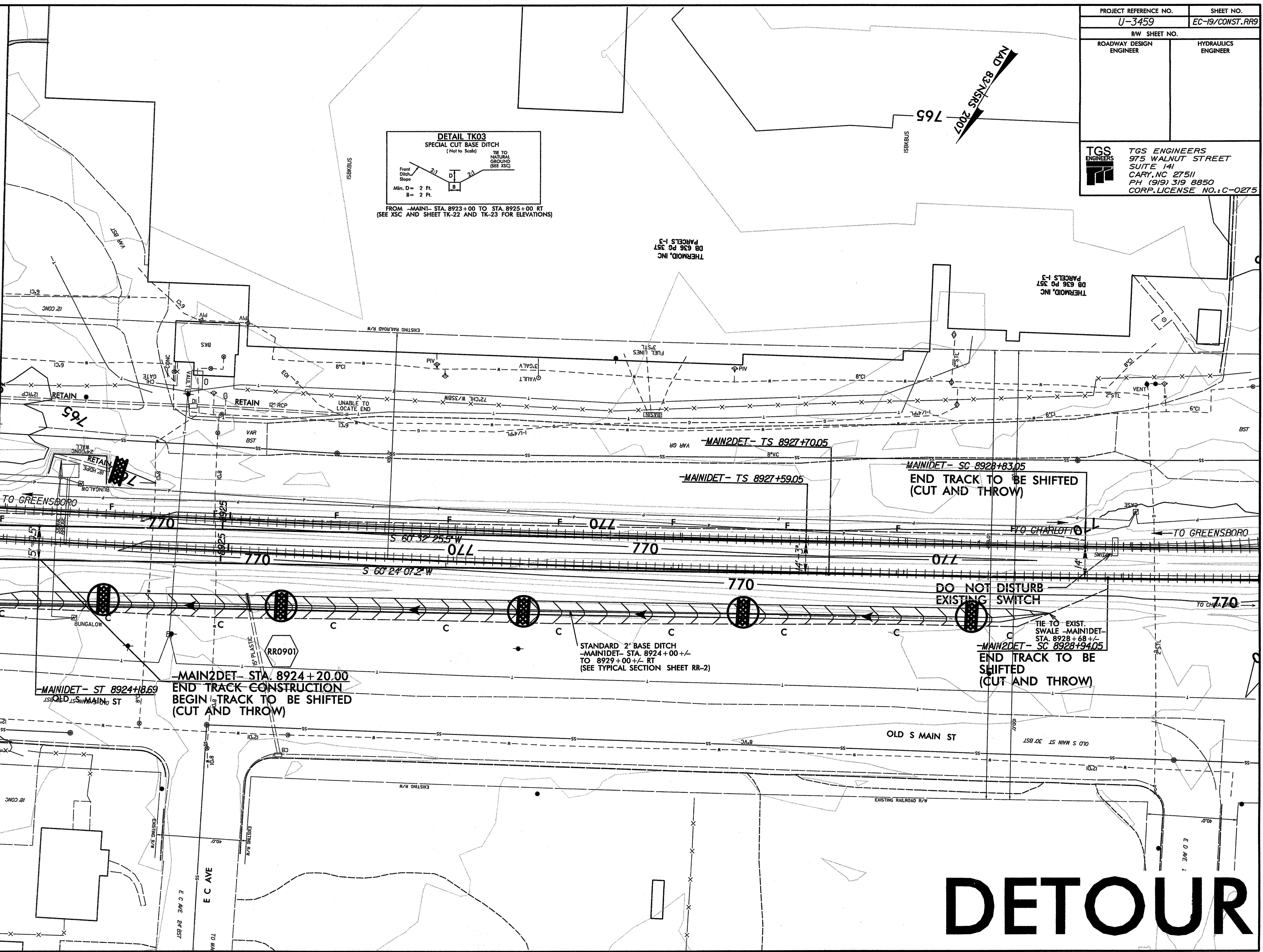
PROJECT REFERENCE NO. U-3459	SHEET NO. EC-19/CONST.RR9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
-------------------------	---------------------

TGS ENGINEERS
975 WALNUT STREET
SUITE 141
CARY, NC 27511
PH (919) 319 8850
CORP. LICENSE NO.: C-0275

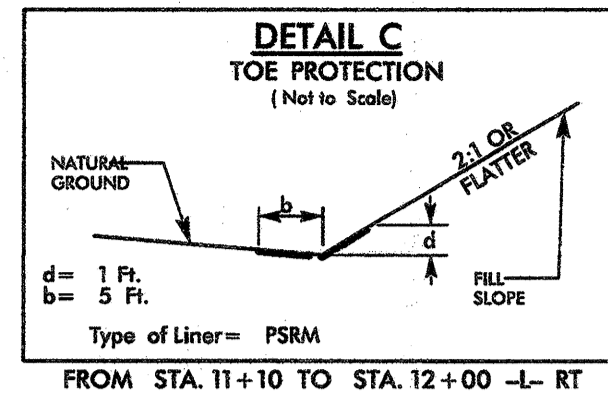
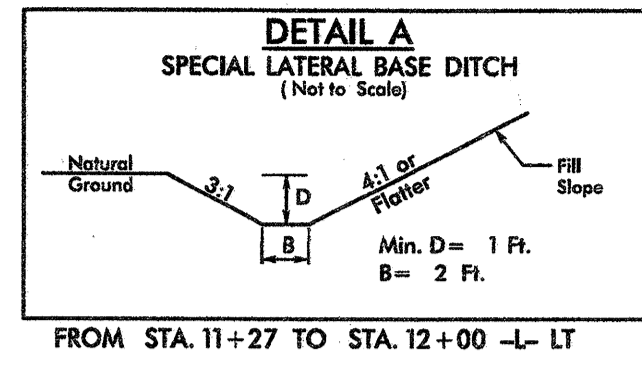


MATCH SHEET EC-18 - MAINIDET - STA. 8924+00.00



DETOUR

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-20/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

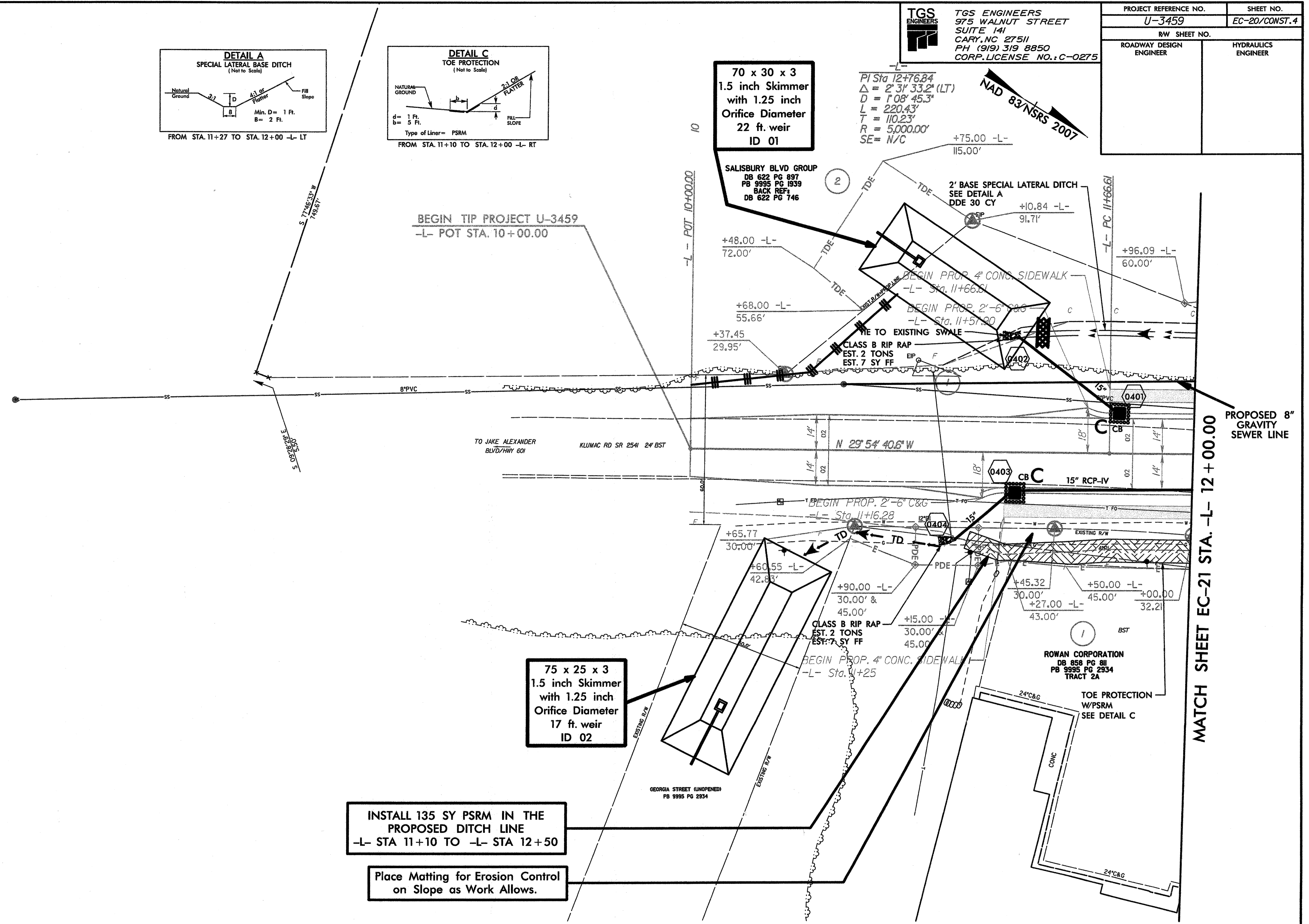


70 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
22 ft. weir
ID 01

PI Sta 12+76.84
 $\Delta = 2' 31" 33.2" (LT)$
 $D = 1' 08" 45.3"$
 $L = 220.43'$
 $T = 110.23'$
 $R = 5,000.00'$
 $SE = N/C$

NAD 83/NRS 2007

BEGIN TIP PROJECT U-3459
 -L- POT STA. 10+00.00




75 x 25 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
17 ft. weir
ID 02

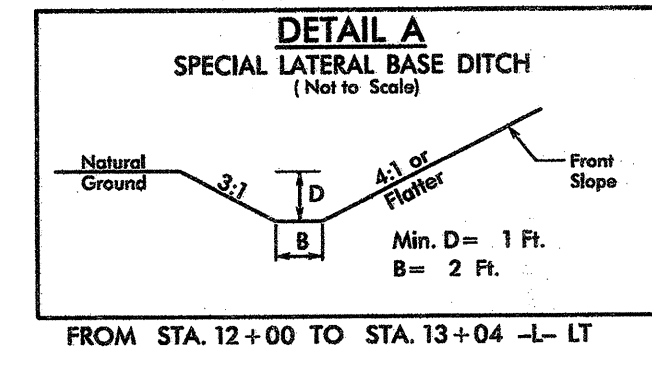
INSTALL 135 SY PSRM IN THE
PROPOSED DITCH LINE
 -L- STA 11+10 TO -L- STA 12+50

Place Matting for Erosion Control
on Slope as Work Allows.

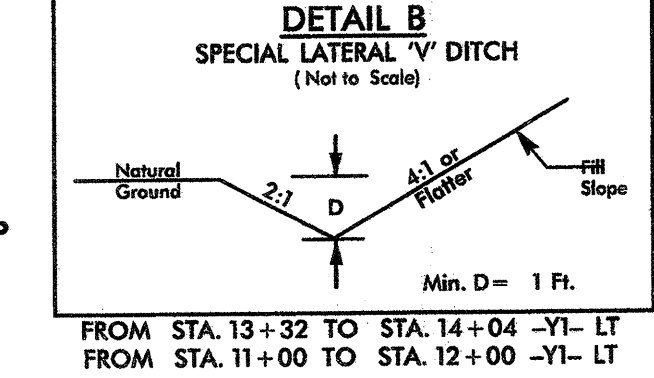
MATCH SHEET EC-21 STA. -L- 12+00.00

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-21/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275	

-L-
 PI Sta 12+76.84
 $\Delta = 2' 31' 33.2"$ (LT)
 $D = 1' 08' 45.3"$
 $L = 220.43'$
 $T = 110.23'$
 $R = 5,000.00'$
 SE = N/C

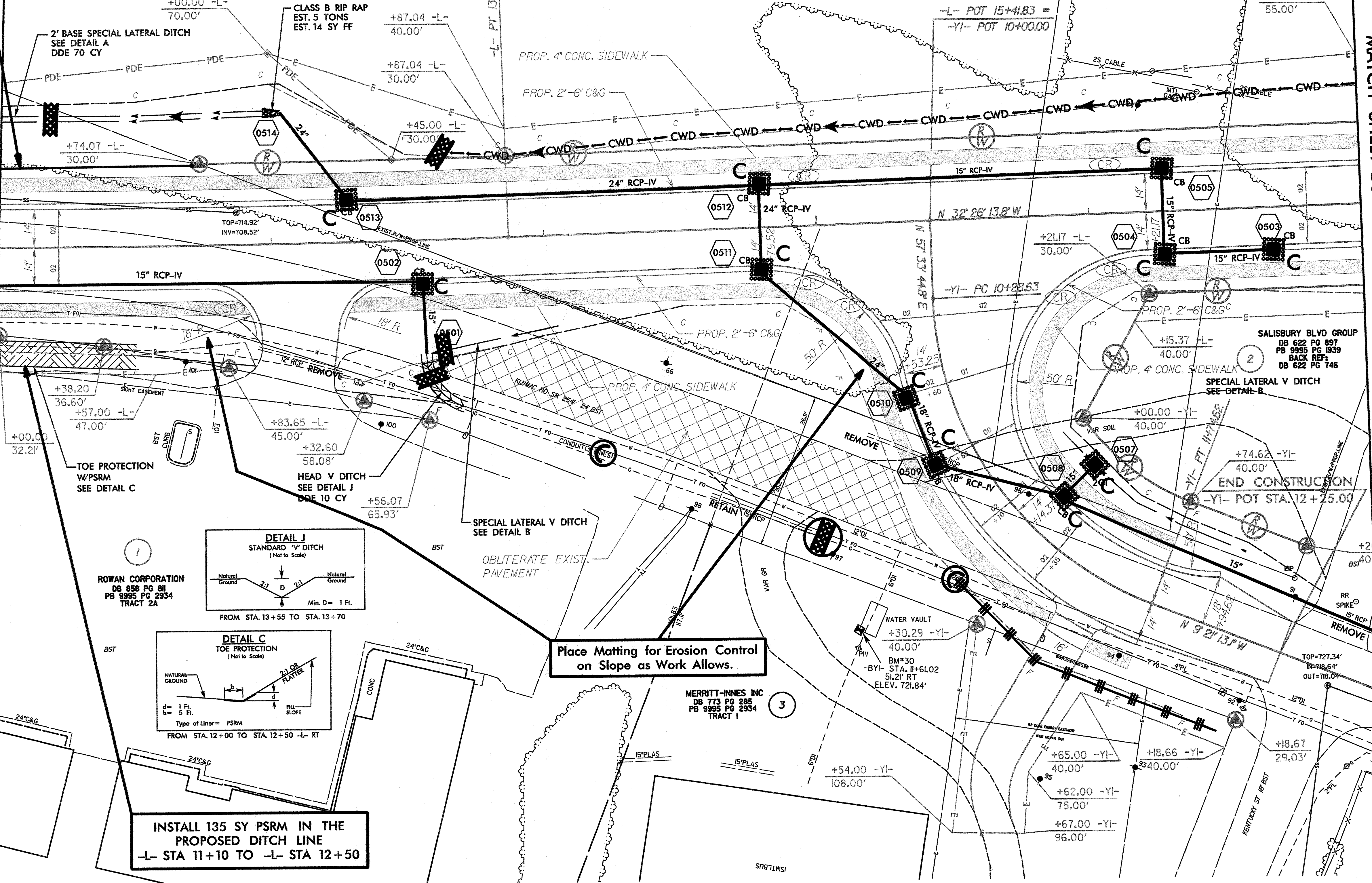


SALISBURY BLVD GROUP
 DB 622 PG 897
 PB 9995 PG 1939
 BACK REF:
 DB 622 PG 746



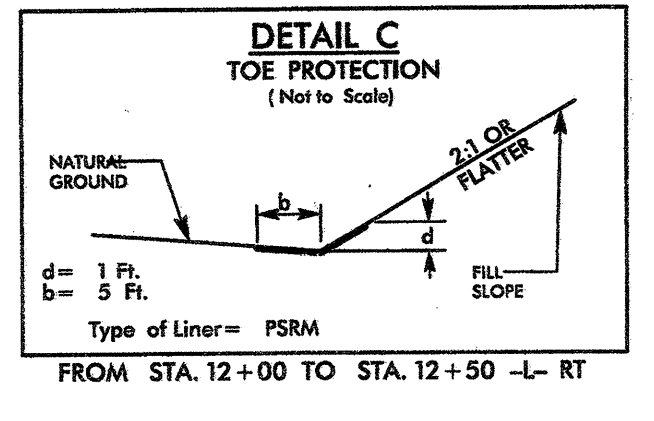
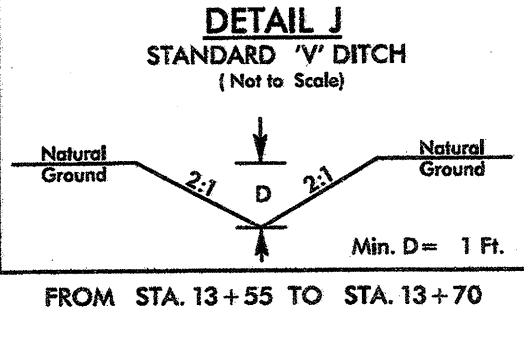
-YI-
 PI Sta 11+11.23
 $\Delta = 66' 54' 57.9"$ (LT)
 $D = 45' 50' 11.8"$
 $L = 145.99'$
 $T = 82.60'$
 $R = 125.00'$

PROPOSED 8" GRAVITY SEWER LINE
 MATCH SHEET EC-20 STA. -L- 12+00.00



MATCH SHEET EC-22 STA. -L- 17+00.00

ROWAN CORPORATION
 DB 858 PG 88
 PB 9995 PG 2934
 TRACT 2A




INSTALL 135 SY PSRM IN THE PROPOSED DITCH LINE
 -L- STA 11+10 TO -L- STA 12+50

Place Matting for Erosion Control on Slope as Work Allows.

MERRITT-INNES INC
 DB 773 PG 285
 PB 9995 PG 2934
 TRACT 1

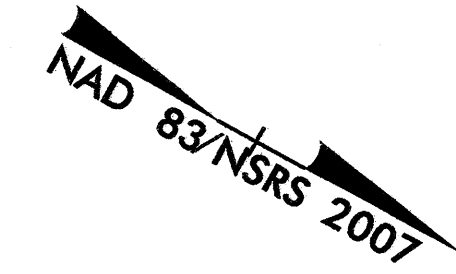
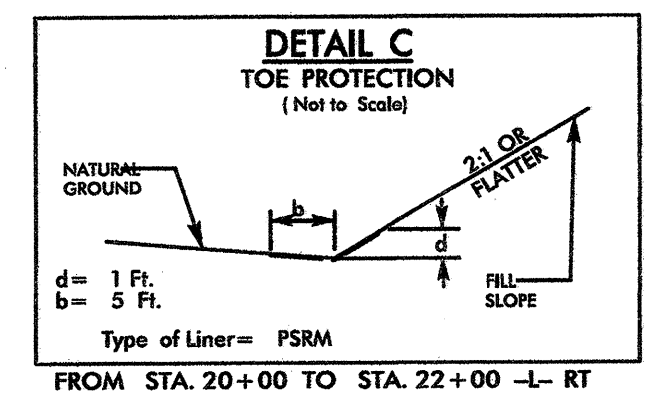
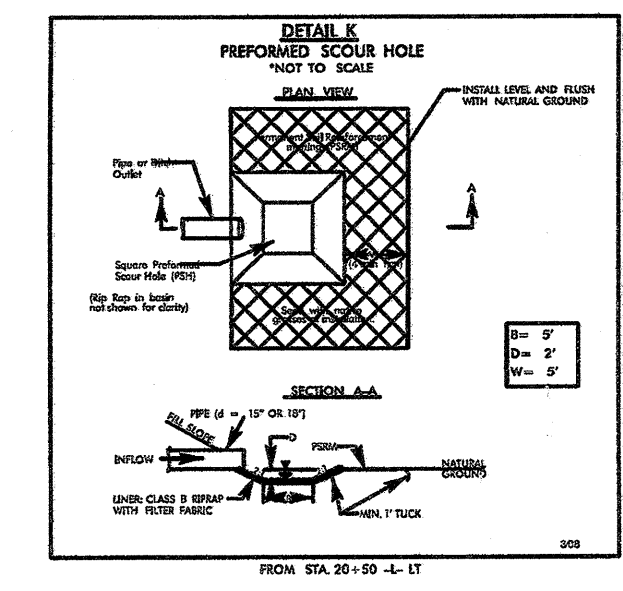
SALISBURY BLVD GROUP
 DB 622 PG 897
 PB 9995 PG 1939
 BACK REF:
 DB 622 PG 746

0302DEL_P12

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-22/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-21 STA -L- 17 + 00.00

MATCH SHEET EC-23 STA -L- 22 + 00.00



-L-
 PI Sta 20+00.50
 $\Delta = 5^{\circ} 42' 18.4''$ (RT)
 $D = 1^{\circ} 08' 45.3''$
 $L = 497.87'$
 $T = 249.14'$
 $R = 5,000.00'$
 $SE = N/C$

70 x 30 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 22 ft. weir
 ID 03

Place Matting for Erosion Control
 on Slope as Work Allows.

BENJAMIN T BEAVER
 & MARY ANNE MILHOLLAND
 DB 627 PG 217
 DB 450 PG 459

CLASS B RIP RAP
 EST. 3 TONS
 EST. 10 SY F

SALISBURY BLVD GROUP
 DB 622 PG 897
 PB 9995 PG 1939
 BACK REF:
 DB 622 PG 746

240' TAPER BOTH SIDES

PREFORMED SCOUR HOLE
SEE DETAIL K

PROP. GUARD RAIL

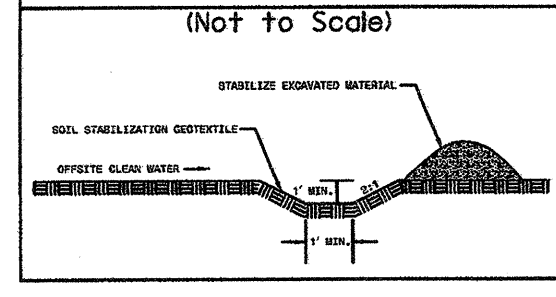
PROP. 2'-6" C&G

PROP. 2'-6" C&G

PROP. 4" CONC. SIDEWALK

TOE PROTECTION
W/PSRM
SEE DETAIL C

CLEAN WATER DIVERSION
(Not to Scale)

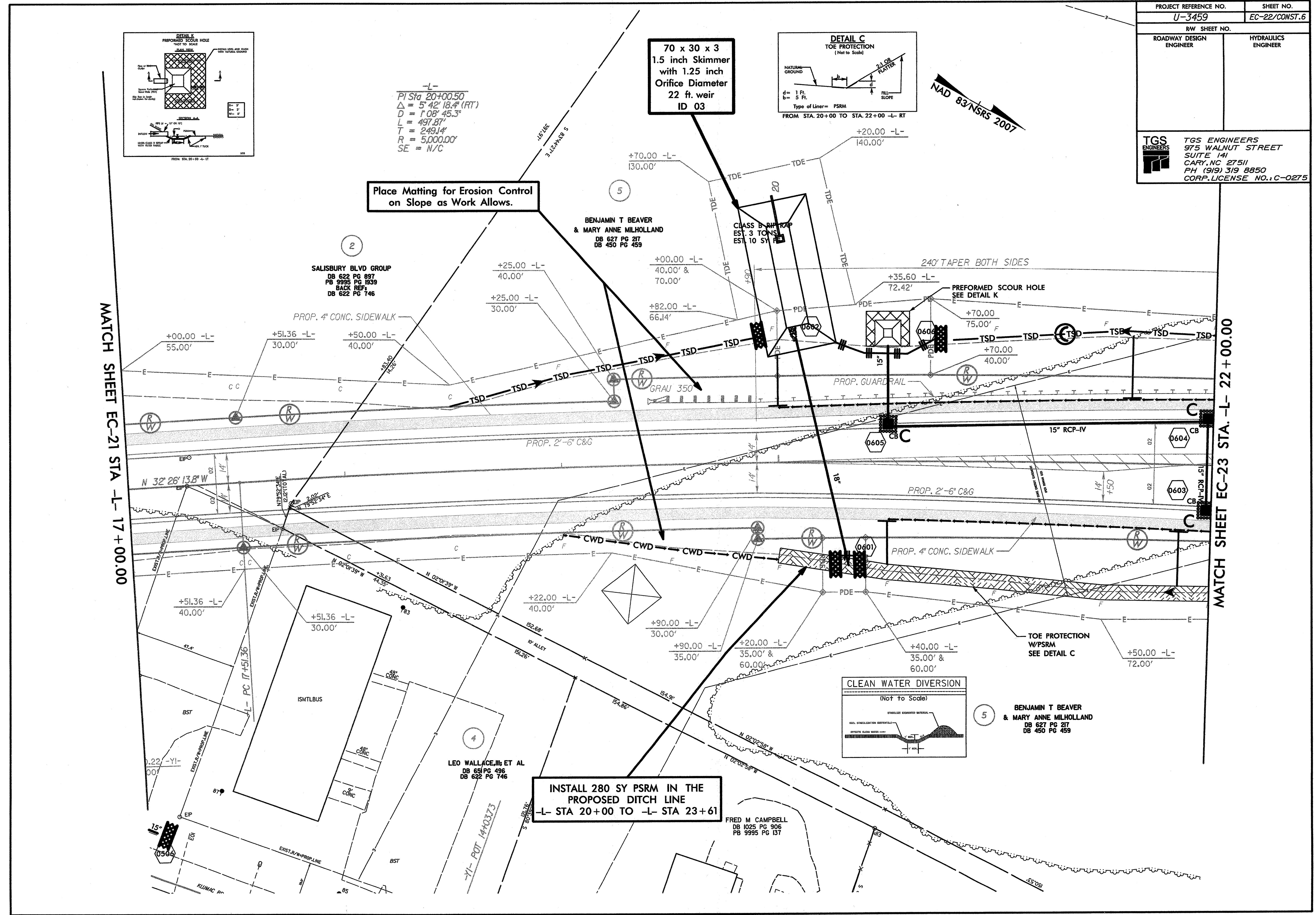


BENJAMIN T BEAVER
 & MARY ANNE MILHOLLAND
 DB 627 PG 217
 DB 450 PG 459

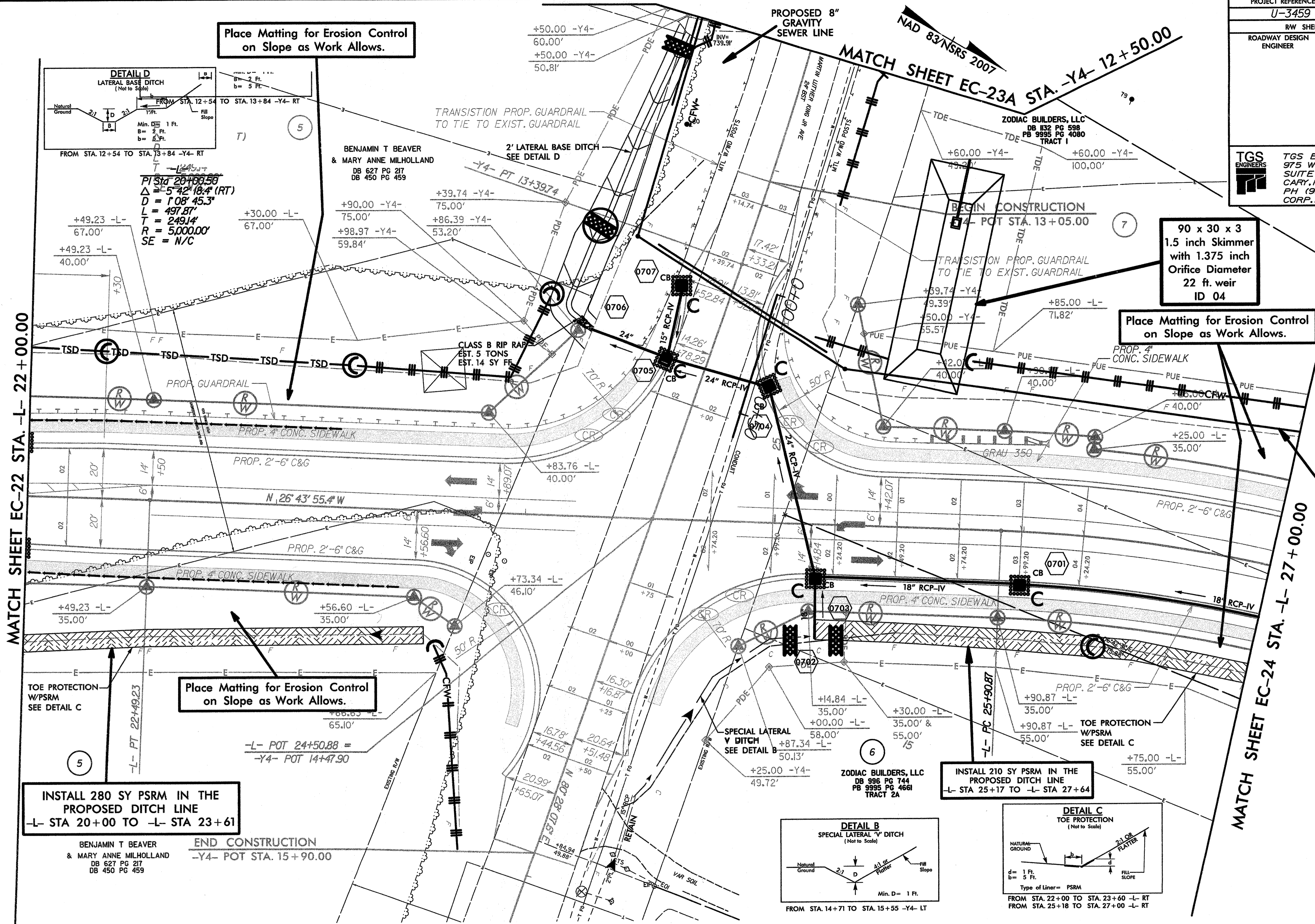
INSTALL 280 SY PSRM IN THE
 PROPOSED DITCH LINE
 -L- STA 20+00 TO -L- STA 23+61

LEO WALLACE III ET AL
 DB 651 PG 496
 DB 622 PG 746

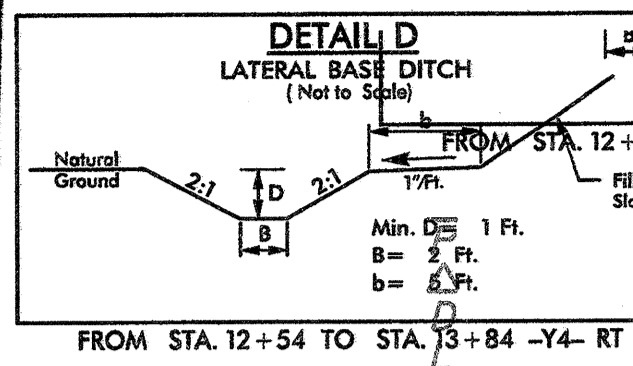
FRED M CAMPBELL
 DB 1025 PG 906
 PB 9995 PG 137



PROJECT REFERENCE NO. U-3459		SHEET NO. EC-23/CONST.7	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
BENJAMIN T BEAVER & MARY ANNE MILHOLLAND DB 627 PG 217 DB 450 PG 459		ZODIAC BUILDERS, LLC DB 132 PG 588 PB 9995 PG 4080 TRACT 1	
TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275		TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275	



Place Matting for Erosion Control on Slope as Work Allows.



PI Sta 20+00.58
 $\Delta = 5' 42" 18.4" (RT)$
 $D = 1' 08" 45.3"$
 $L = 497.87'$
 $T = 249.14'$
 $R = 5,000.00'$
 $SE = N/C$

BENJAMIN T BEAVER
 & MARY ANNE MILHOLLAND
 DB 627 PG 217
 DB 450 PG 459

BEGIN CONSTRUCTION
 POT STA. 13+05.00

90 x 30 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 22 ft. weir
 ID 04

Place Matting for Erosion Control on Slope as Work Allows.

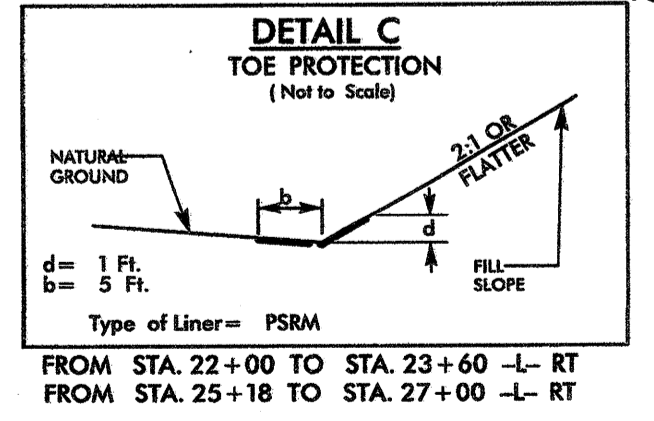
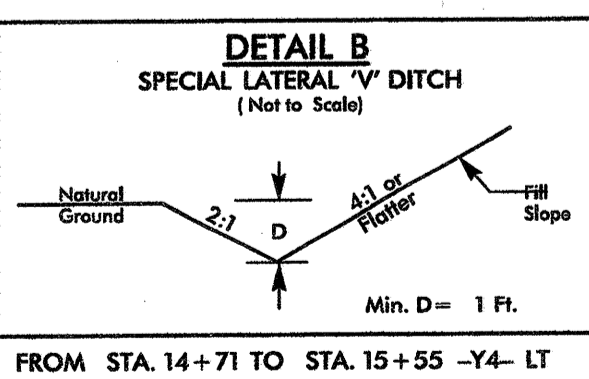
Place Matting for Erosion Control on Slope as Work Allows.

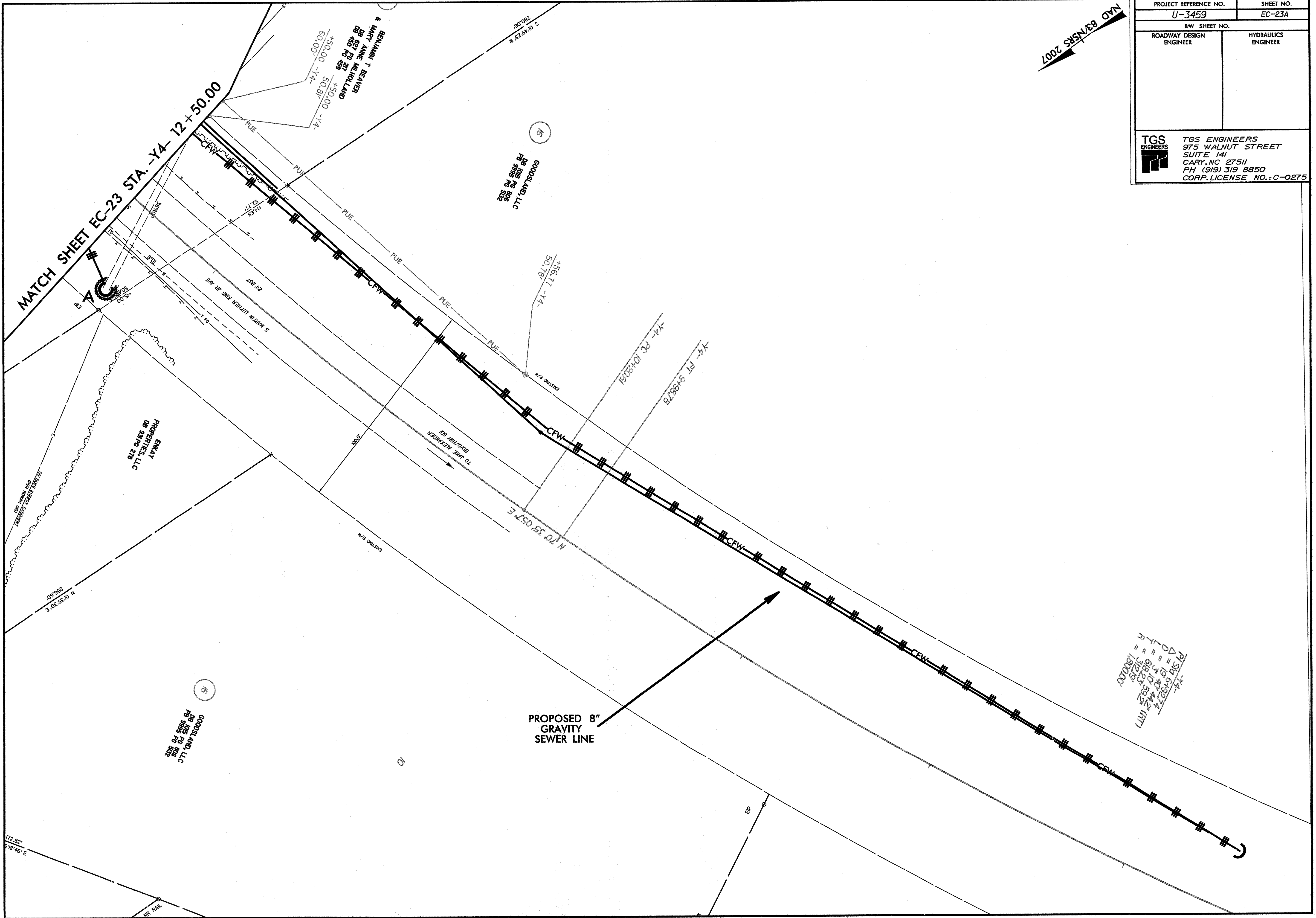
INSTALL 280 SY PSRM IN THE
 PROPOSED DITCH LINE
 -L- STA 20+00 TO -L- STA 23+61

BENJAMIN T BEAVER
 & MARY ANNE MILHOLLAND
 DB 627 PG 217
 DB 450 PG 459

END CONSTRUCTION
 -Y4- POT STA. 15+90.00

INSTALL 210 SY PSRM IN THE
 PROPOSED DITCH LINE
 -L- STA 25+17 TO -L- STA 27+64





MATCH SHEET EC-23 STA. -Y4-12+50.00

ENKAY PROPERTIES, LLC DB 53146 278


GOODSLAND, LLC DB 53146 PG 805 PG 5355 PG 5182

BENJAMIN T BEAVER & MARY ANNE MULLHOLLAND DB 53146 PG 217 PG 259 PG 5182 PG 5355

GOODSLAND, LLC DB 53146 PG 805 PG 5355 PG 5182

PROPOSED 8" GRAVITY SEWER LINE

$P = 194.649274$
 $D = 19.407274$
 $L = 618.275128$
 $R = 312.89$
 $R = 1800.00$
 -Y4-

PROJECT REFERENCE NO. U-3459	SHEET NO. EC-23A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275	

NAD 83/NSRS 2007

172.82°
6'18"46" E

099.22°
3'05"30" E

150.00°
0'00"00" E

152.17°
52'14" W

152.17°
52'14" W

150.00°
0'00"00" E

152.17°
52'14" W

150.00°
0'00"00" E

108.00°
0'00"00" E

10

108.00°
0'00"00" E

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

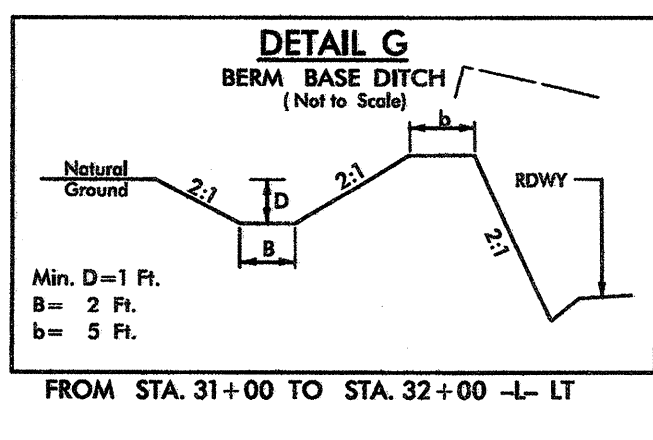
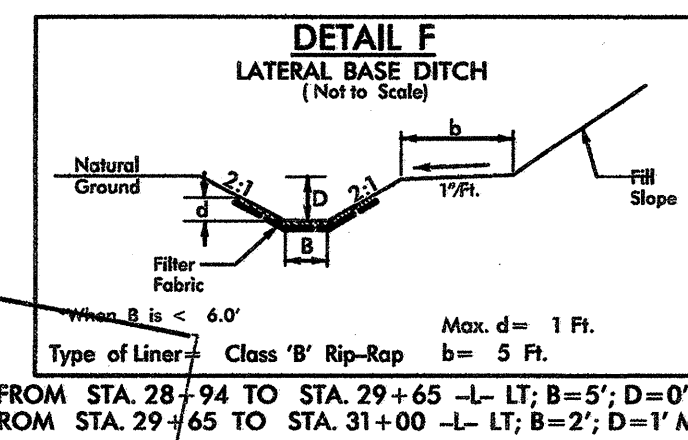
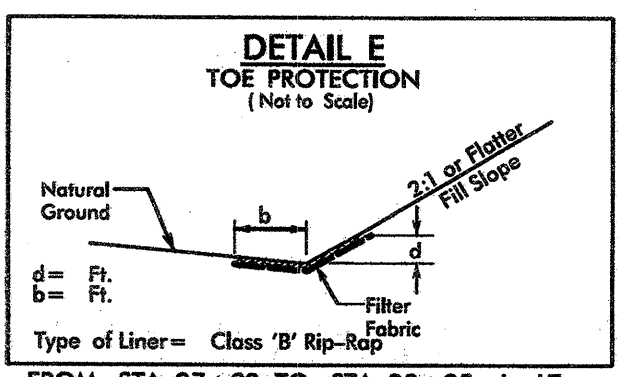
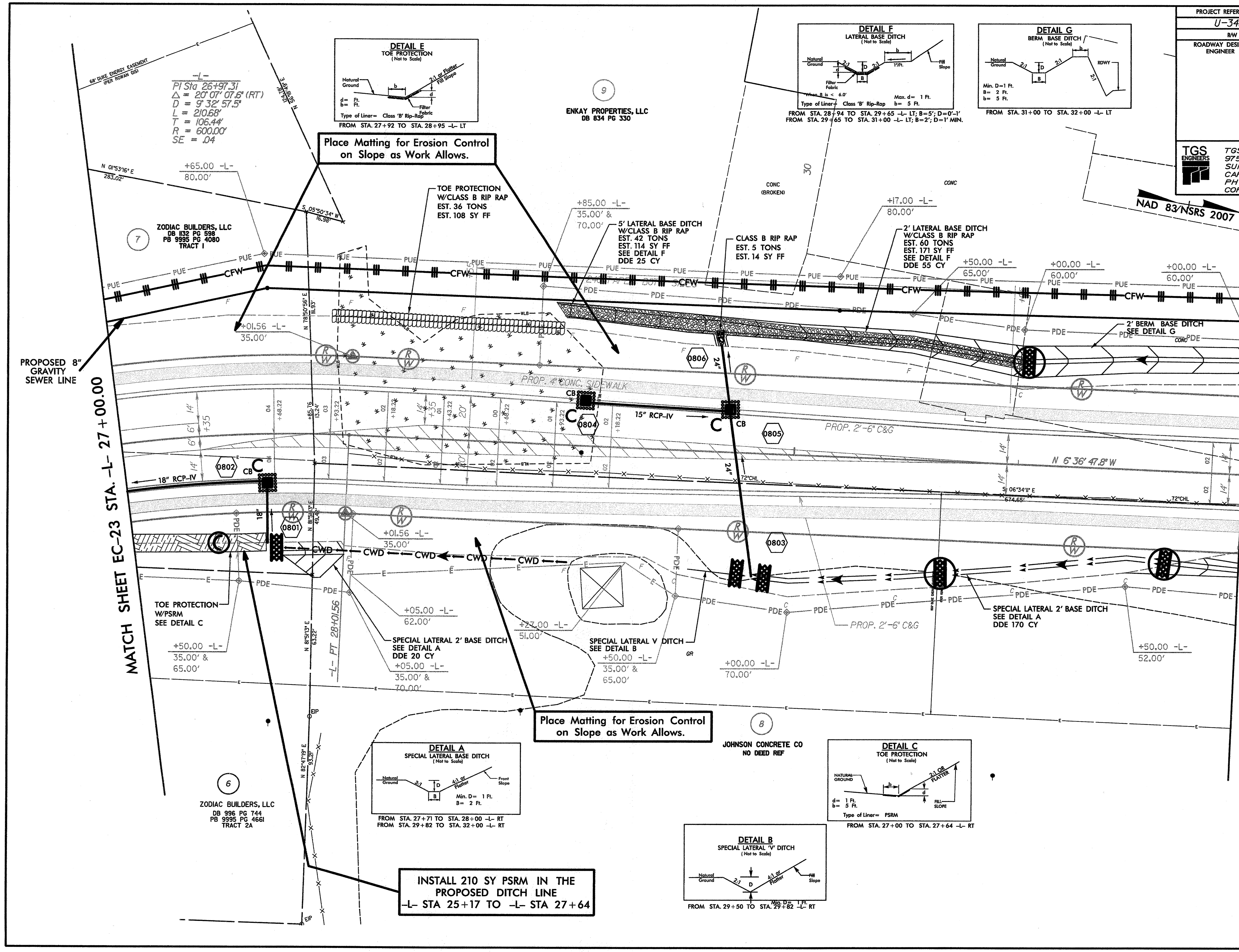
150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

150.78°
-Y4-

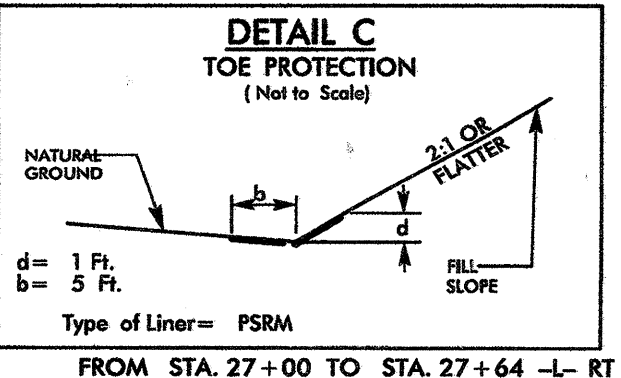
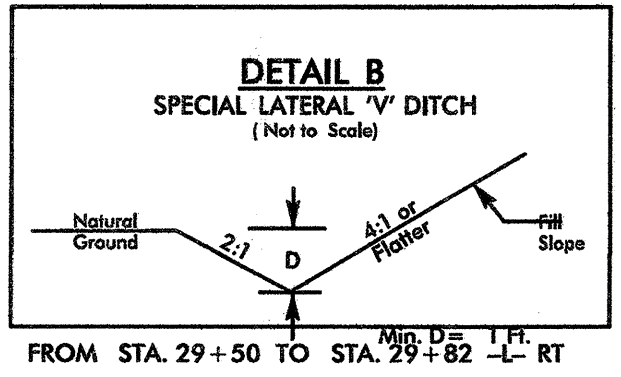
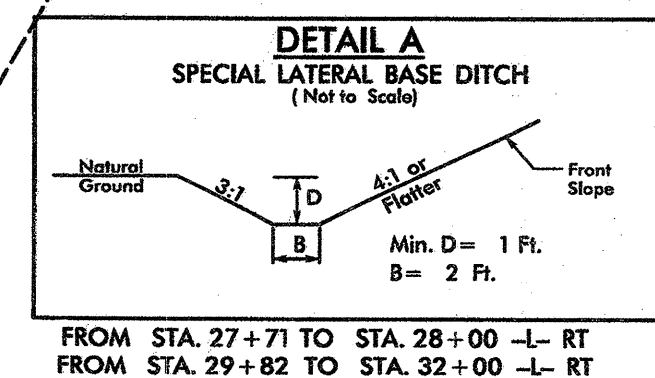
PROJECT REFERENCE NO. U-3459		SHEET NO. EC-24/CONST.8	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



Place Matting for Erosion Control on Slope as Work Allows.

Place Matting for Erosion Control on Slope as Work Allows.

INSTALL 210 SY PSRM IN THE PROPOSED DITCH LINE -L- STA 25+17 TO -L- STA 27+64



PI Sta 26+97.31
Δ = 20° 07' 07.6" (RT)
D = 9' 32' 57.5"
L = 210.68'
T = 106.44'
R = 600.00'
SE = .04

ZODIAC BUILDERS, LLC
DB 1132 PG 598
PB 9935 PG 4080
TRACT 1

ZODIAC BUILDERS, LLC
DB 995 PG 744
PB 9935 PG 4661
TRACT 2A

ENKAY PROPERTIES, LLC
DB 834 PG 330

JOHNSON CONCRETE CO
NO DEED REF

NAD 83/NSRS 2007

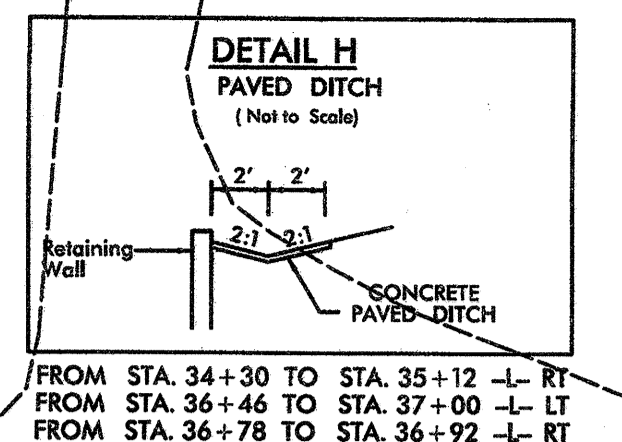
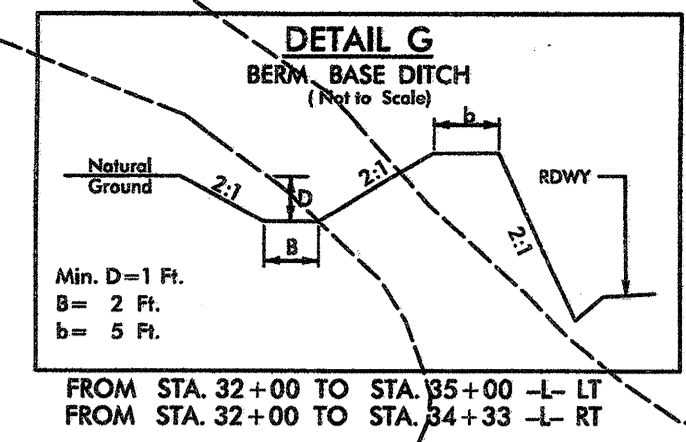
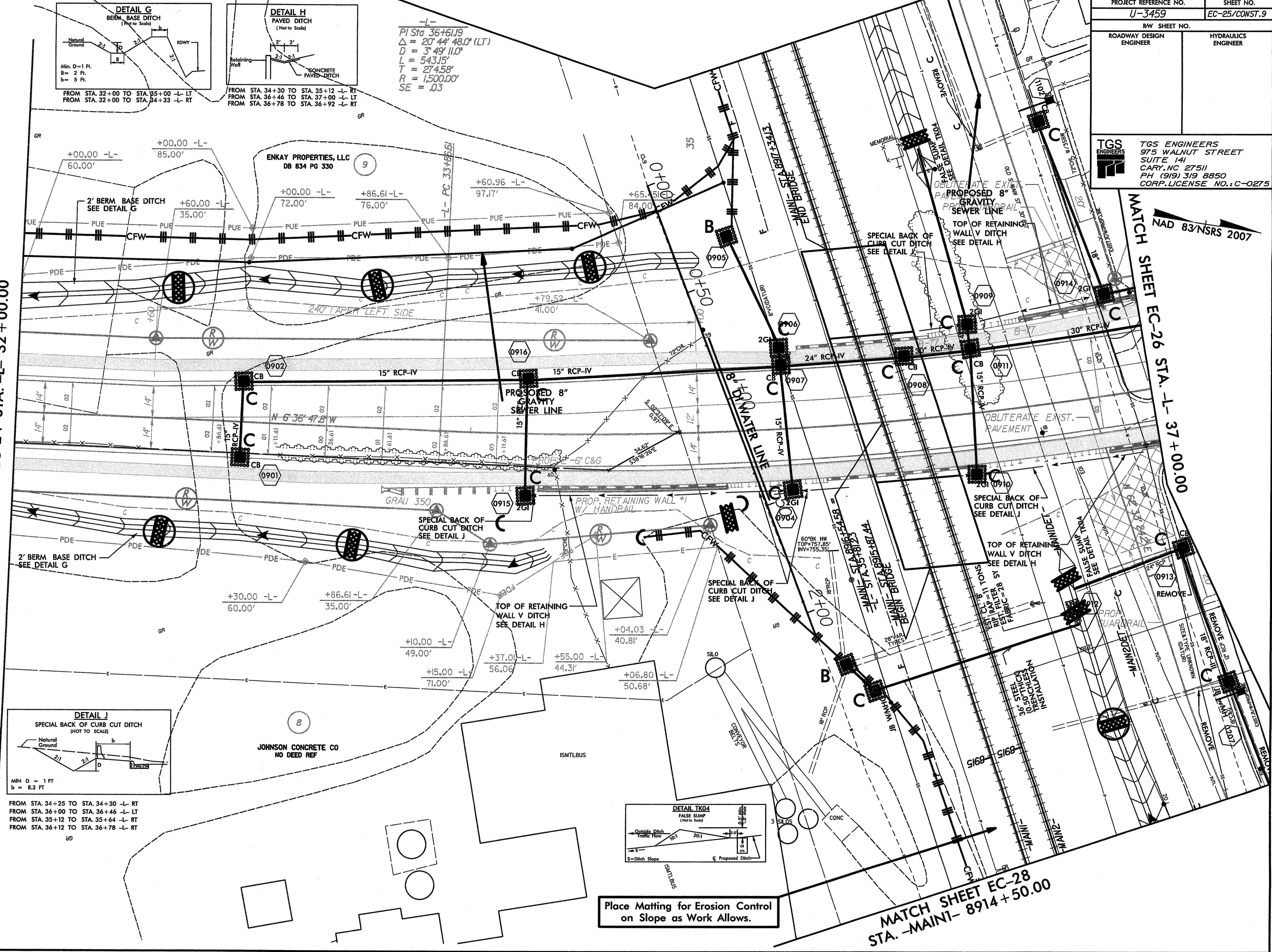
MATCH SHEET EC-23 STA. -L- 27+00.00

MATCH SHEET EC-25 STA. -L- 32+00.00

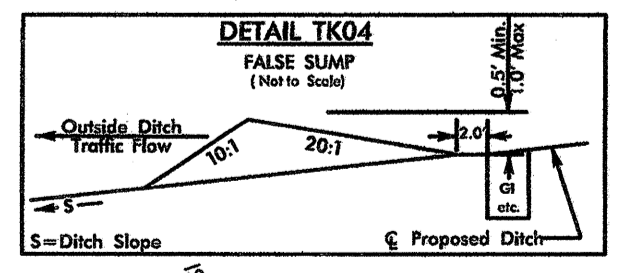
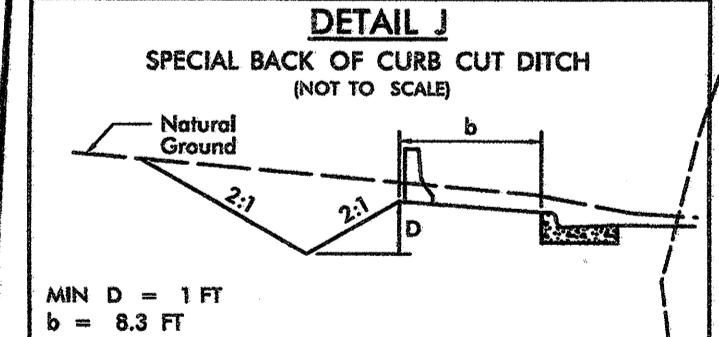
PROJECT REFERENCE NO. U-3459	SHEET NO. EC-25/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO. C-0275	

MATCH SHEET EC-24 STA. -L- 32+00.00

MATCH SHEET EC-26 STA. -L- 37+00.00



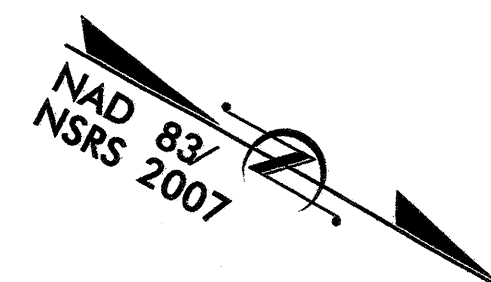
-L-
 Pi Sta 36+61.19
 $\Delta = 20^\circ 44' 48.0''$ (LT)
 $D = 3^\circ 49' 11.0''$
 $L = 543.15'$
 $T = 274.58'$
 $R = 1,500.00'$
 $SE = .03$



Place Matting for Erosion Control on Slope as Work Allows.

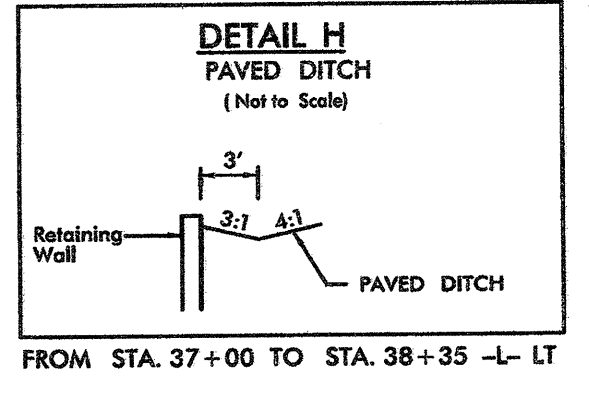
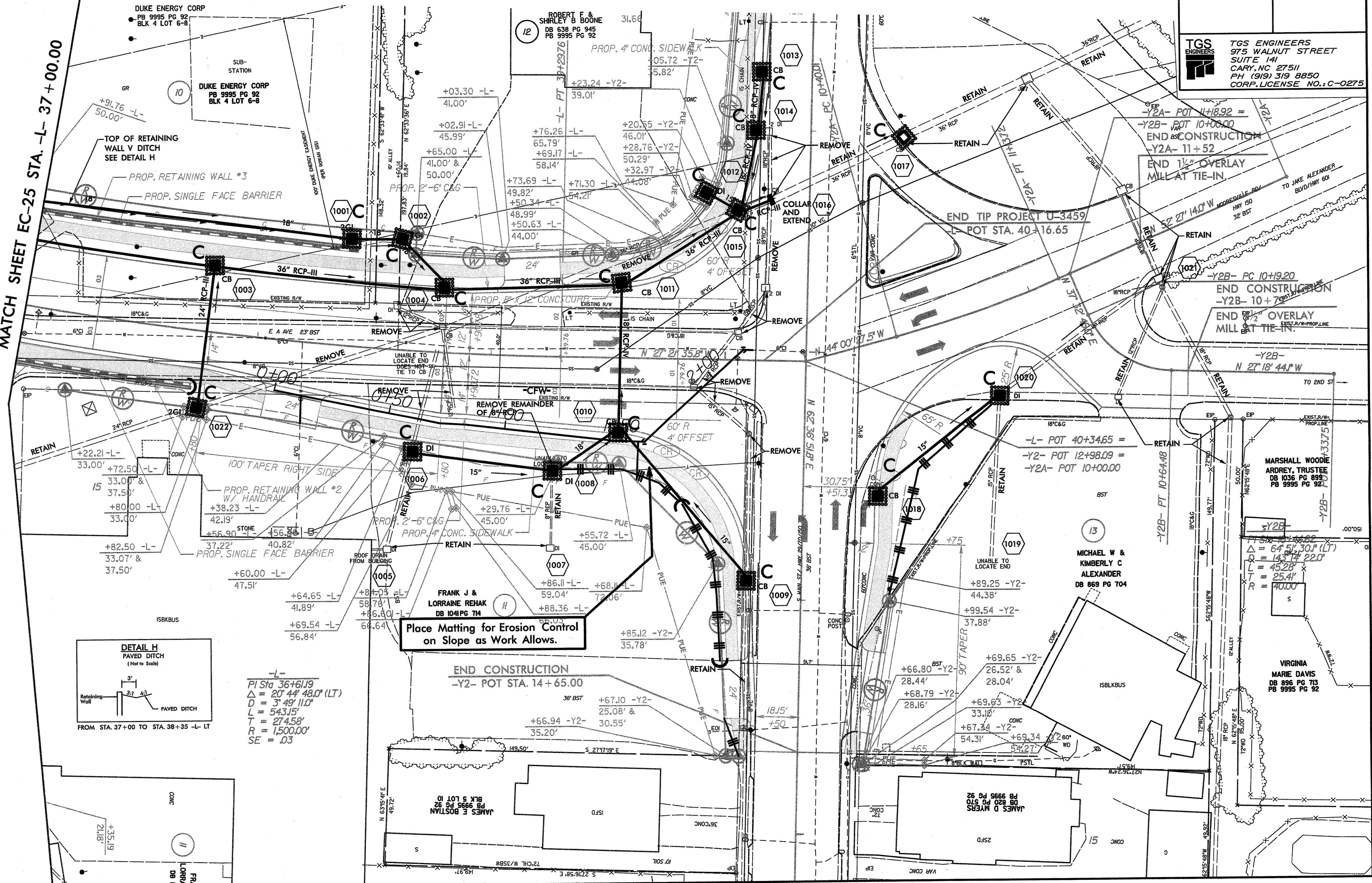
MATCH SHEET EC-28
STA. -MAIN1- 8914+50.00

NAD 83/NSRS 2007



PROJECT REFERENCE NO. U-3459		SHEET NO. EC-26/CONST.10	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-25 STA. -L- 37+00.00



-L-
 PI Sta 36+61.9
 $\Delta = 20' 44' 48.0''$ (LT)
 $D = 3' 49' 11.0''$
 $L = 543.15'$
 $T = 274.58'$
 $R = 1,500.00'$
 $SE = .03$

Place Matting for Erosion Control on Slope as Work Allows.

END CONSTRUCTION
 -Y2- POT STA. 14+65.00

END TIP PROJECT U-3459
 -L- POT STA. 40+16.65

END 1/2" OVERLAY MILL AT TIE-IN.

END CONSTRUCTION
 -Y2B- 10+70

END 1/2" OVERLAY MILL AT TIE-IN.

-L- POT 40+34.65 =
 -Y2- POT 12+98.09 =
 -Y2A- POT 10+00.00

MARSHALL WOODIE ARDREY, TRUSTEE
 DB 1036 PG 899
 PB 9995 PG 92


MICHAEL W & KIMBERLY C ALEXANDER
 DB 869 PG 704

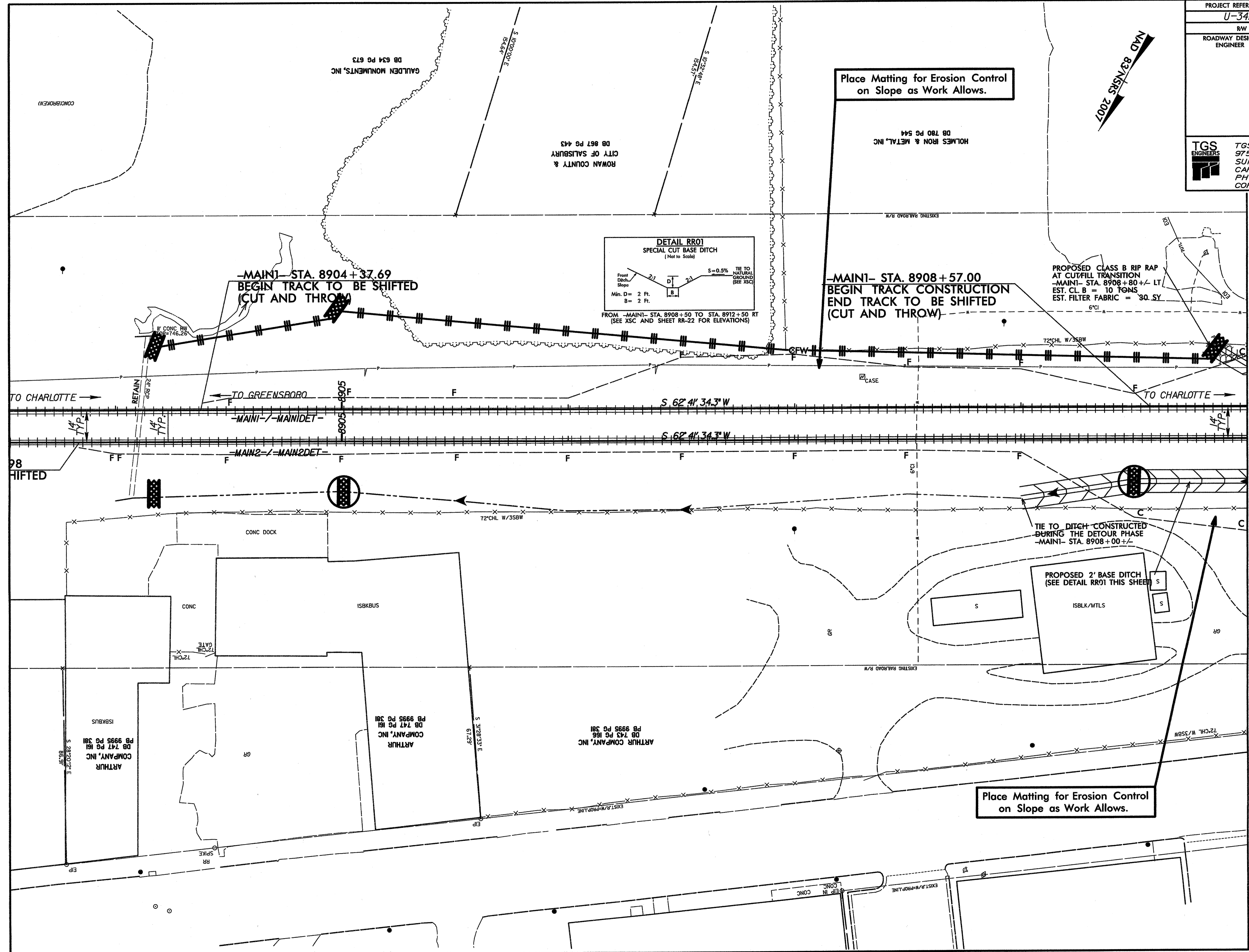
VIRGINIA MARIE DAVIS
 DB 896 PG 713
 PB 9995 PG 92

JAMES E BOSTIAN
 PB 9995 PG 92
 DB 820 PG 510


JAMES D MYERS
 PB 9995 PG 92
 DB 820 PG 510

0302DEL_P12

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-27/CONST.RR12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



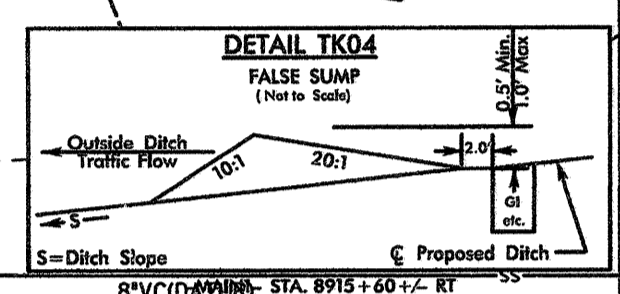
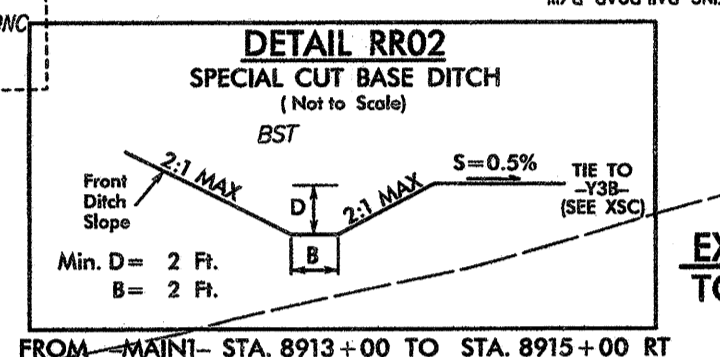
MATCH SHEET EC-28 -MAIN1- STA. 8909 + 00.00

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-28/CONST.RR13	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-27 -MAIN1- STA. 8909 + 00.00

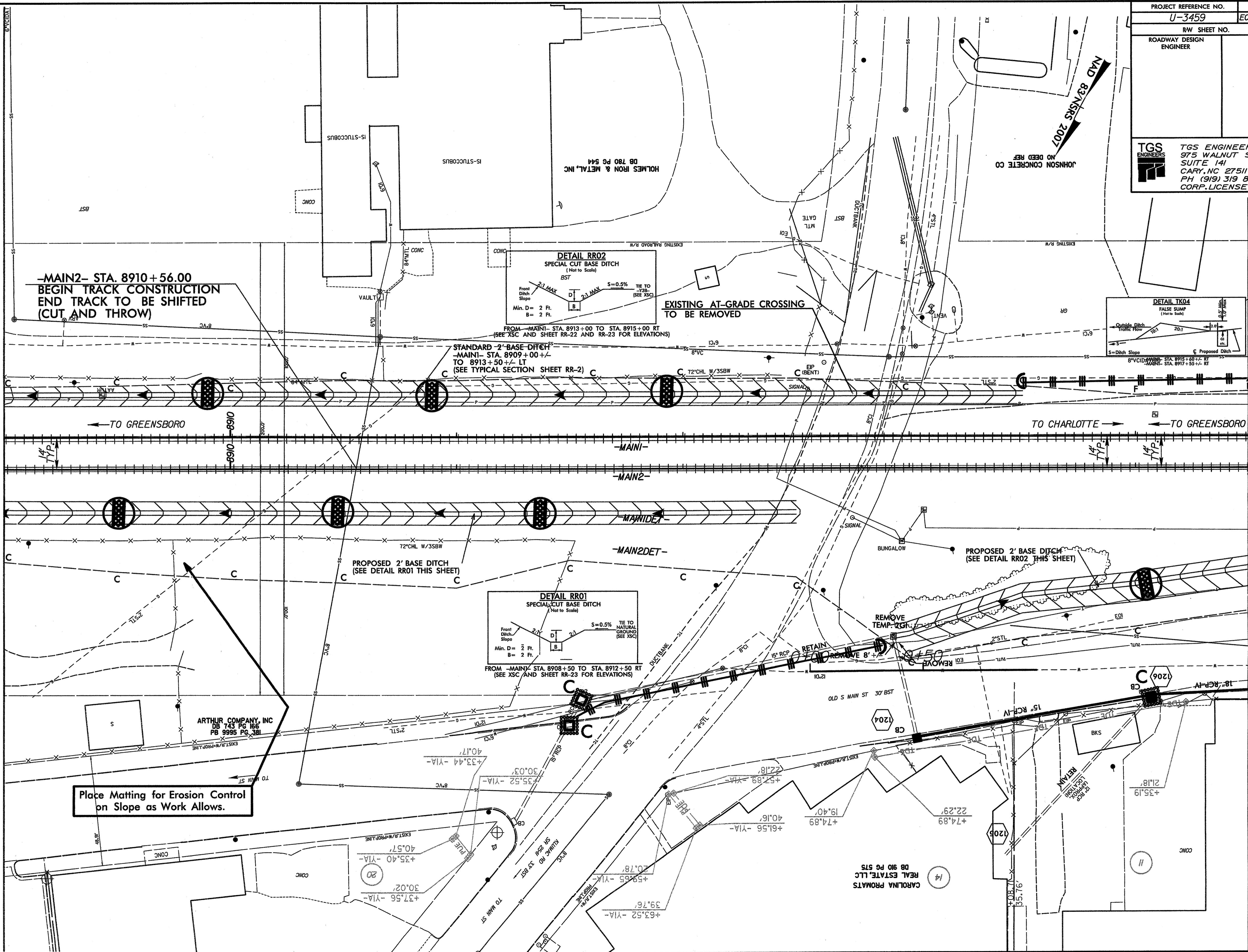
MATCH SHEET EC-25 STA. -MAIN1- 8914 + 50.00

-MAIN2- STA. 8910 + 56.00
BEGIN TRACK CONSTRUCTION
END TRACK TO BE SHIFTED
(CUT AND THROW)



STANDARD 2'-BASE DITCH
-MAIN1- STA. 8909 + 00 +/-
TO 8913 + 50 +/- LT
(SEE TYPICAL SECTION SHEET RR-2)

EXISTING AT-GRADE CROSSING
TO BE REMOVED

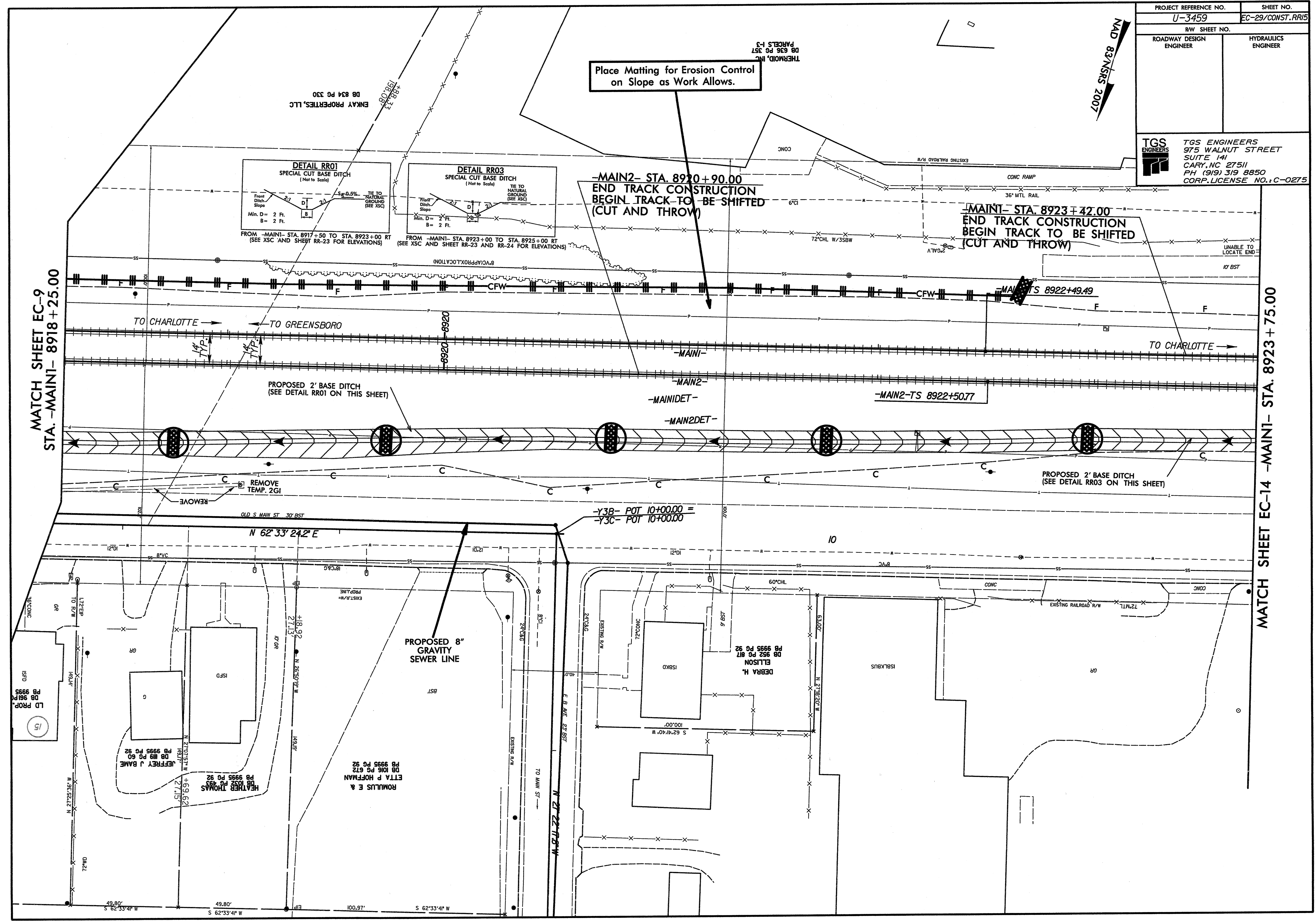


Place Matting for Erosion Control
on Slope as Work Allows.

ARTHUR COMPANY, INC
DB 743 PG 166
PB 9995 PG 381

CAROLINA PROMATS
REAL ESTATE, LLC
DB 910 PG 575

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-29/CONST.RR15	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			



MATCH SHEET EC-9
STA. -MAIN1- 8918 + 25.00

MATCH SHEET EC-14 -MAIN1- STA. 8923 + 75.00

Place Matting for Erosion Control
on Slope as Work Allows.

-MAIN2- STA. 8920 + 90.00
END TRACK CONSTRUCTION
BEGIN TRACK TO BE SHIFTED
(CUT AND THROW)

-MAIN1- STA. 8923 + 42.00
END TRACK CONSTRUCTION
BEGIN TRACK TO BE SHIFTED
(CUT AND THROW)

TO CHARLOTTE →

← TO GREENSBORO

TO CHARLOTTE →

PROPOSED 2' BASE DITCH
(SEE DETAIL RR01 ON THIS SHEET)

PROPOSED 2' BASE DITCH
(SEE DETAIL RR03 ON THIS SHEET)

PROPOSED 8" GRAVITY
SEWER LINE

-Y3B- POT 10+00.00 =
-Y3C- POT 10+00.00

LD PROP
DB 9814
PB 9995

HEATHER THOMAS
DB 1052 PG 493
PB 9995 PG 92

JEFFREY J BAME
DB 9986 PG 60
PB 9995 PG 92

ROMULUS E &
ETTA P HOFFMAN
DB 1016 PG 672
PB 9995 PG 92

DEBRA H.
ELLISON
DB 9952 PG 817
PB 9995 PG 92


ENKAY PROPERTIES, LLC
DB 834 PG 330

THERMID, INC
DB 636 PG 357
PARCELS 1-3

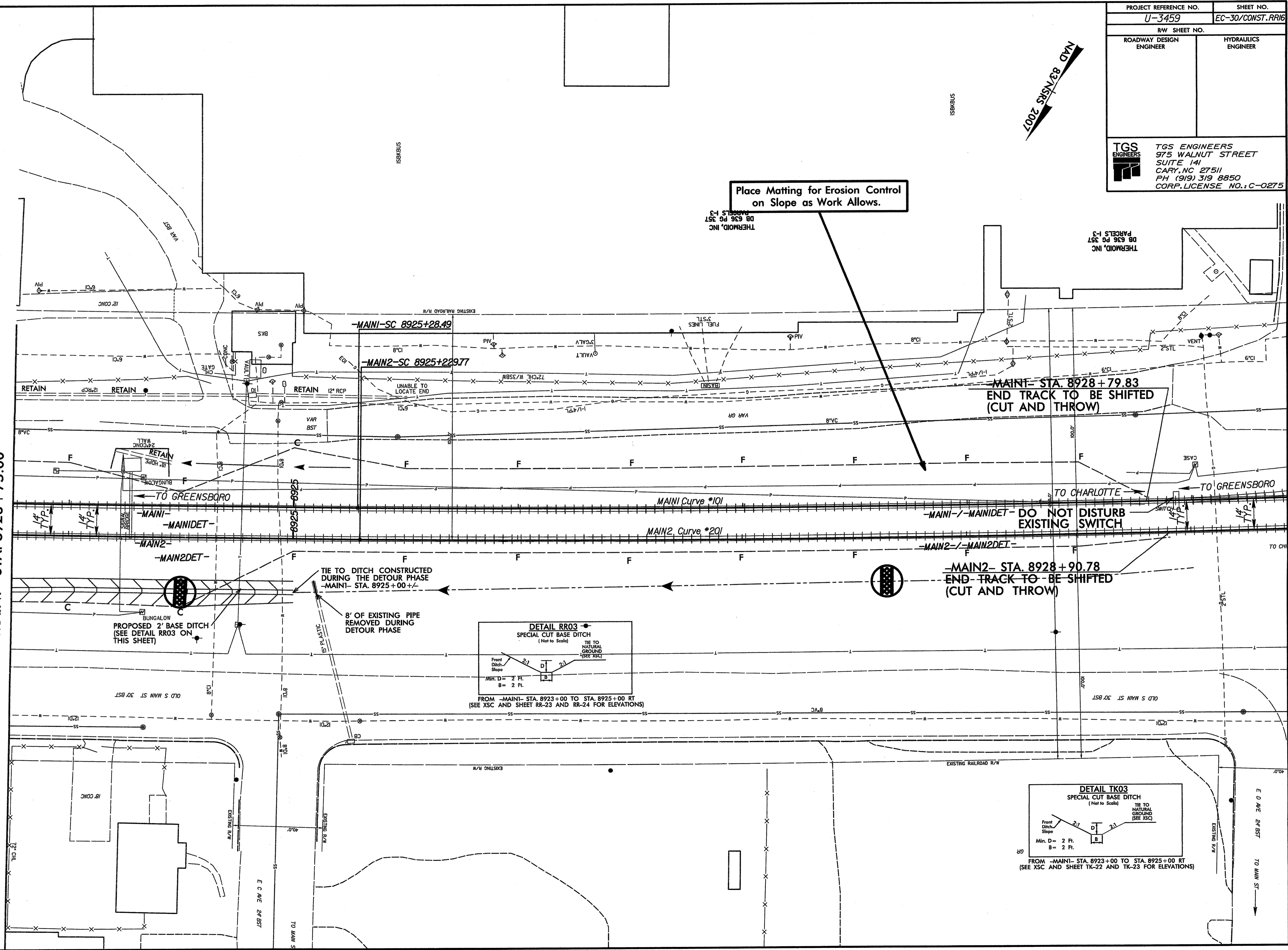
NAD 83/NSRS 2007

49.80' S 62°33'41" W 100.97' S 62°33'41" W 49.80' S 62°33'41" W 100.97' S 62°33'41" W

0302DEL_P12

PROJECT REFERENCE NO. U-3459		SHEET NO. EC-30/CONST.RR16	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 975 WALNUT STREET SUITE 141 CARY, NC 27511 PH (919) 319 8850 CORP. LICENSE NO.: C-0275			

MATCH SHEET EC-13 -MAIN1- STA. 8923 + 75.00

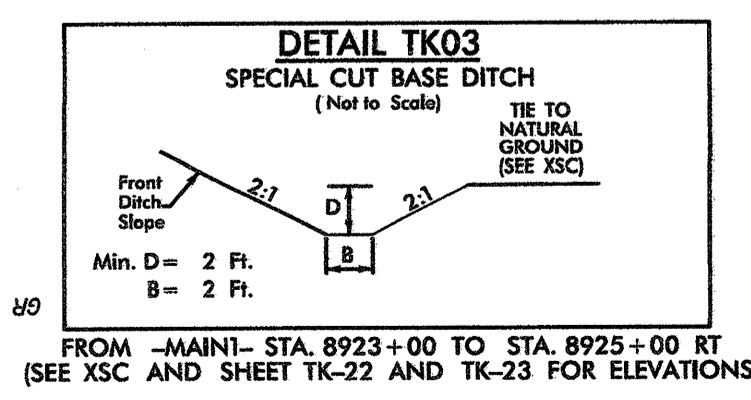
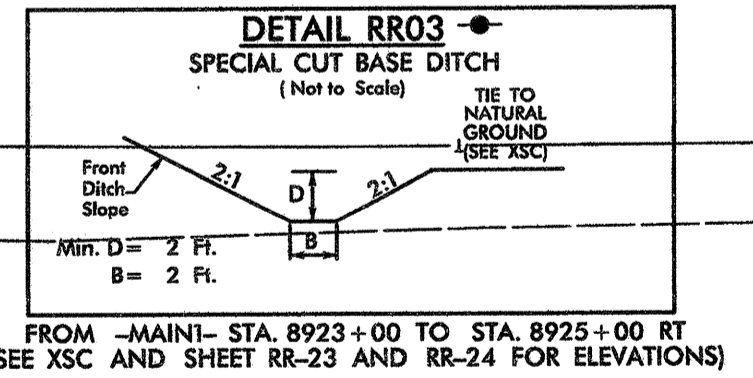


Place Matting for Erosion Control on Slope as Work Allows.

END TRACK TO BE SHIFTED (CUT AND THROW)

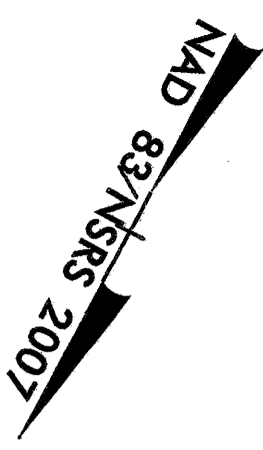
DO NOT DISTURB EXISTING SWITCH

END TRACK TO BE SHIFTED (CUT AND THROW)



TIE TO DITCH CONSTRUCTED DURING THE DETOUR PHASE -MAIN1- STA. 8925+00 +/-

PROPOSED 2' BASE DITCH (SEE DETAIL RR03 ON THIS SHEET)



TO MAIN ST

OLD S MAIN ST 30' BST

TO CHARLOTTE

TO GREENSBORO

TO GREENSBORO

TO CH