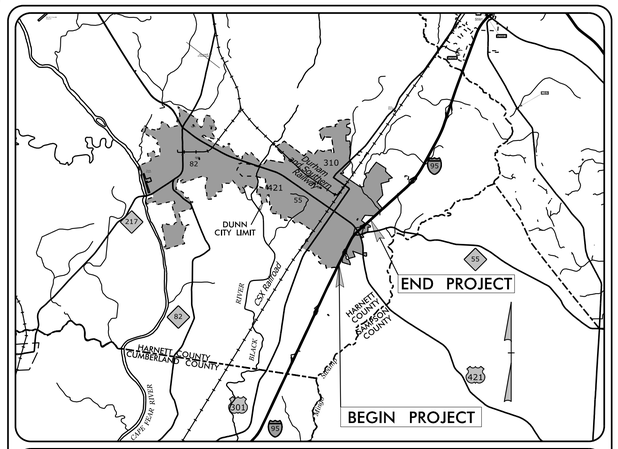
PROJECT: I-5878



VICINITY MAP
NOT TO SCALE

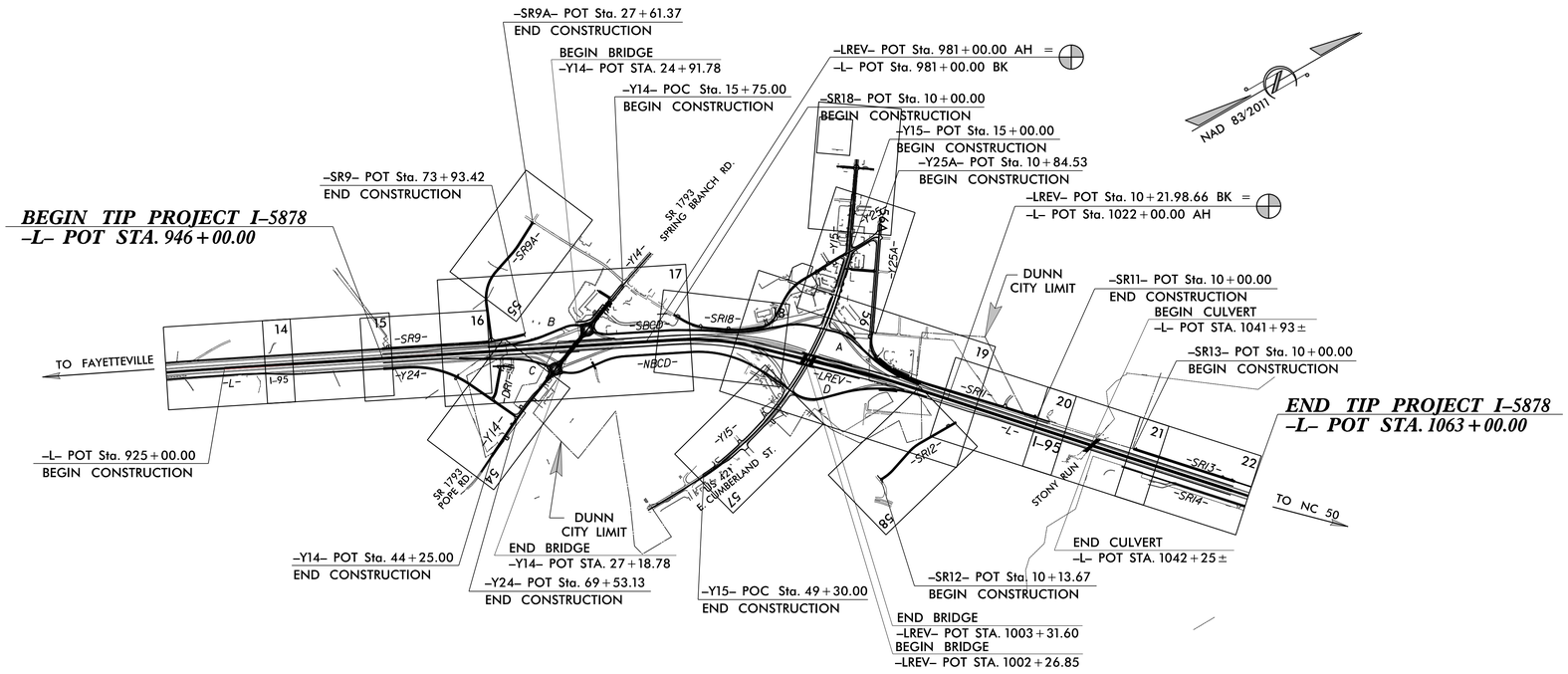
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

HARNETT COUNTY

LOCATION: *IMPROVE I-95 INTERCHANGES AND WIDEN TO EIGHT LANES SR 1793 (SPRING BRANCH ROAD /POPE ROAD) (EXIT 72) TO US 421 (EXIT 73)*

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, SIGNALS, CULVERT AND STRUCTURES*



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5878	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
53078.1.1	NHP-0095(007)73	PE
53078.1.2		PE
53078.2.2	NHP-0095(017)73	R/W & UTIL.

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
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	EW CFW
	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.

GRAPHIC SCALE

50 25 0 50 100

PLANS

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

Prepared in the Office of:

SUNGATE DESIGN GROUP, P.A.

905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890

Designed by:

MATTHEW C. EDWARDS, EI ***3992***

NAME *LEVEL III CERTIFICATION NO.*

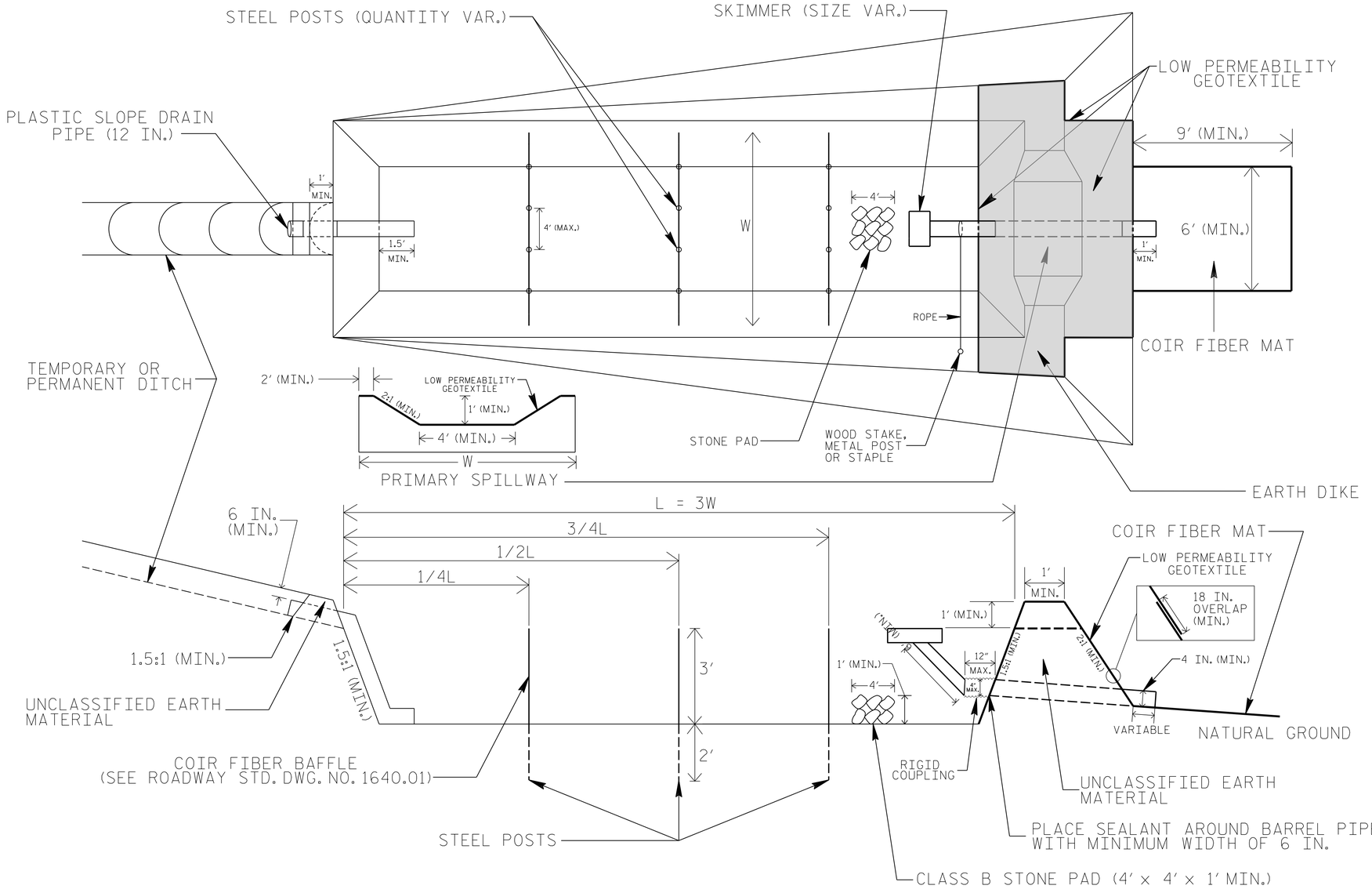
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

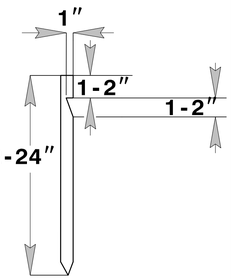
1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type 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		

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

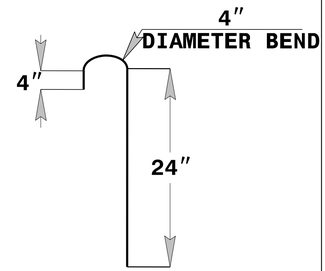
SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



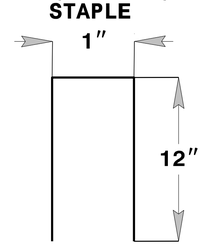
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

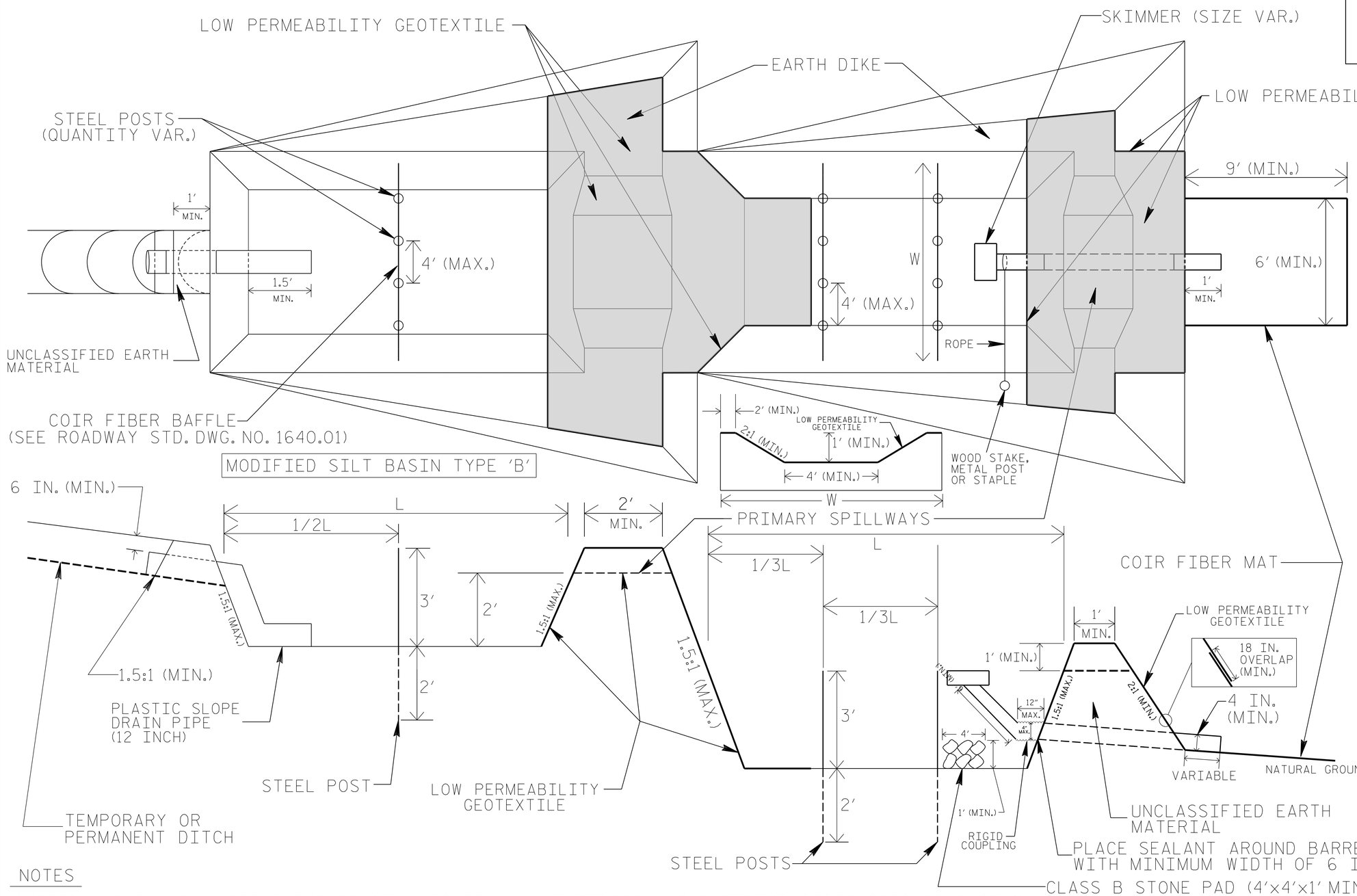
NOTES

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 PRIMARY SPILLWAY WEIR 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 OR TARP AS DIRECTED.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

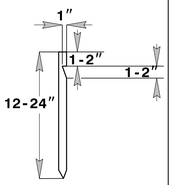
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

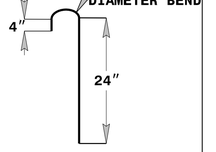
TIERED SKIMMER BASIN DETAIL (EAST)



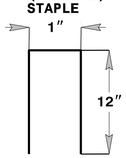
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY WEIR LENGTHS (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

BORROW PIT DEWATERING BASIN DETAIL

GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING V = 8.0203 * Q * T, WHERE V IS VOLUME (FT^3), Q IS PUMP FLOW RATE (GPM), AND T IS DEWATERING TIME (HR). USE MAXIMUM FLOW RATE OF 1000 GPM AND A MINIMUM DEWATERING TIME OF 2 HOURS.

RISER SHALL BE A NON-PERFORATED, SMOOTH OR CORRUGATED MATERIAL WITH A FLASHBOARD OPTION.

CONSTRUCT THE COIR FIBER BAFFLE IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1640.01 AND WITH MATERIAL THAT MEETS THE SPECIFICATIONS OF ROADWAY STANDARD 1640-14.

PROVIDE 5′ STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. INSTALL STEEL POSTS WITH NO MORE THAN 3′ OF THE POST APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH 12″ STAPLES.

INSTALL TYPE 2 GEOTEXTILE ON SIDESLOPES AND BOTTOM OF BASIN AT INLET AS SHOWN IN THE DETAIL.

USE THE TYPICAL SECTION SHOWN FOR THE BORROW PIT DEWATERING BASIN AS A GUIDE. THE BASIN MAY HAVE ANY TYPE CONFIGURATION AS LONG AS SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS ARE MADE FOR A NON-PERFORATED RISER.

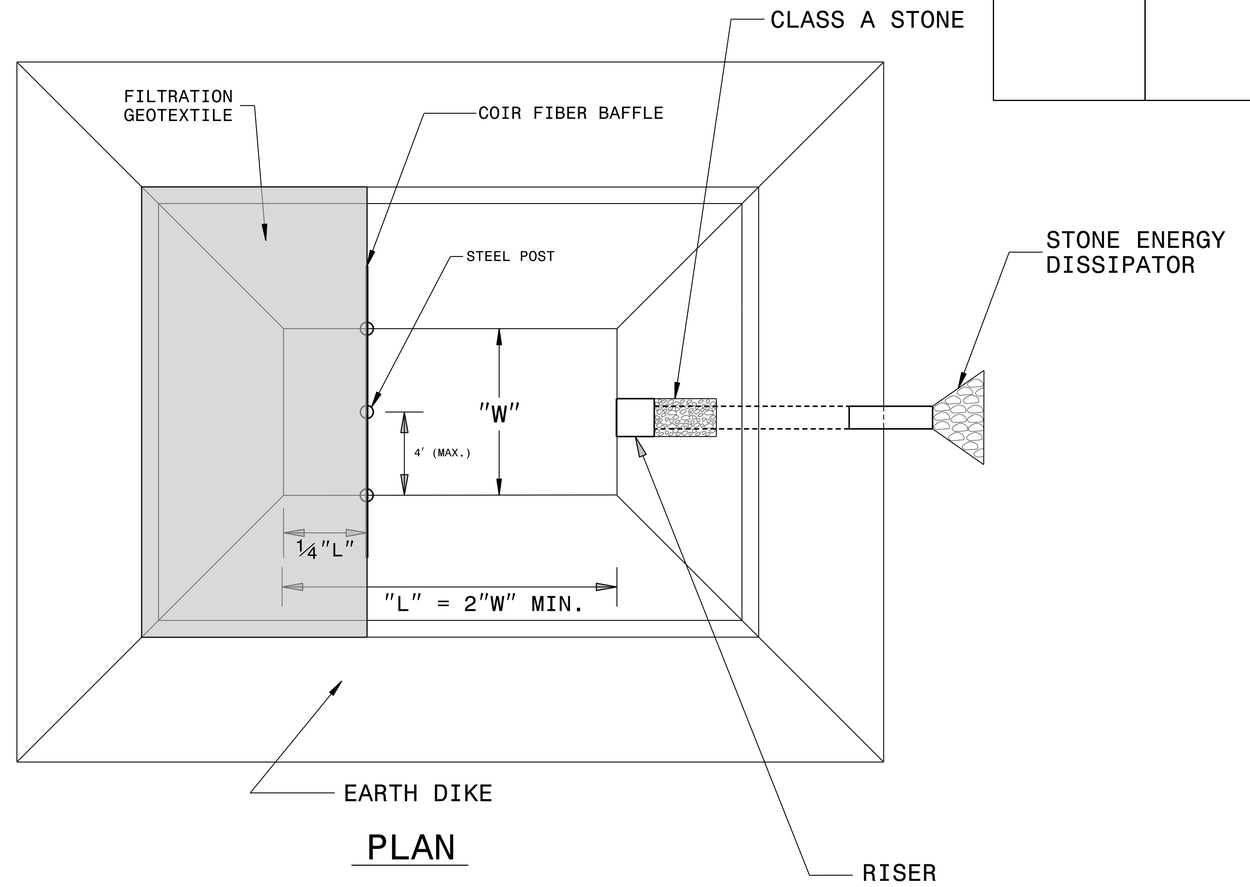
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

THE BORROW PIT DEWATERING BASIN SIZE IS VARIABLE AND DEPENDENT ON SPECIFIC SITE REQUIREMENTS AS WELL AS PROPOSED CONSTRUCTION OPERATIONS.

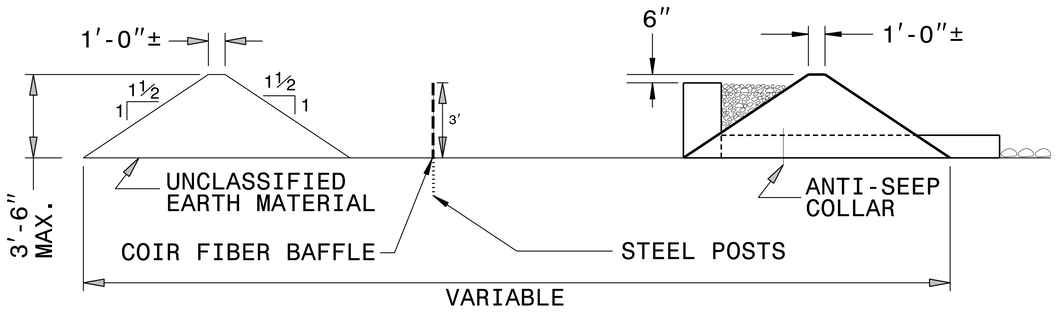
SUBMIT THE SIZE, LOCATION AND RISER PIPE MATERIAL FOR APPROVAL PRIOR TO CONSTRUCTION.

PUMP THE EFFLUENT INTO THE BORROW PIT DEWATERING BASIN TO A MAXIMUM DEPTH OF 6 IN. BELOW TOP OF EARTH DIKE.

PROVIDE A STONE ENERGY DISSIPATOR PAD AT THE OUTLET OF THE PUMP DISCHARGE HOSE AND OUTLET OF THE RISER BARREL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 876.02 FOR OUTLET W/O DITCH.



PLAN

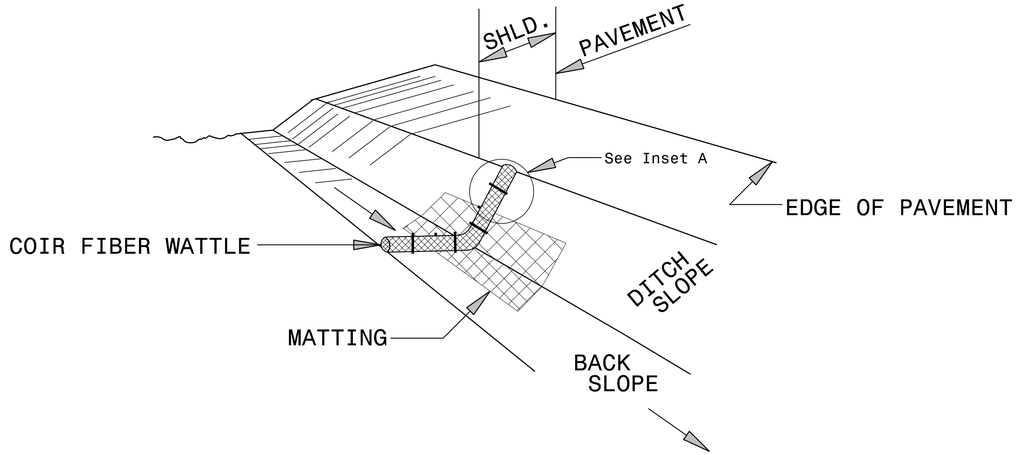


TYPICAL SECTION VIEW

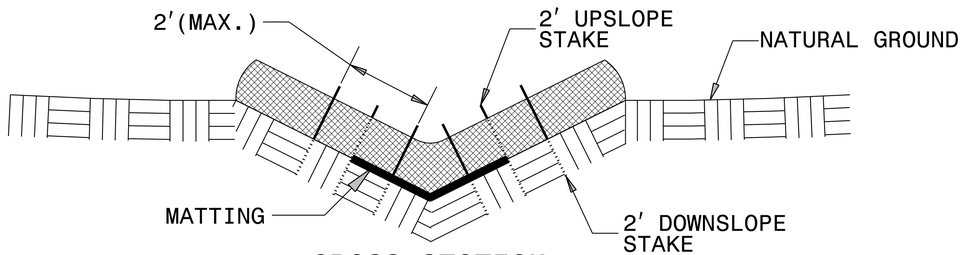
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2C
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

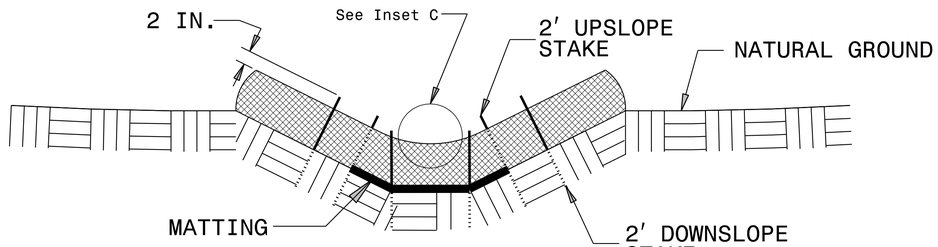
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

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.

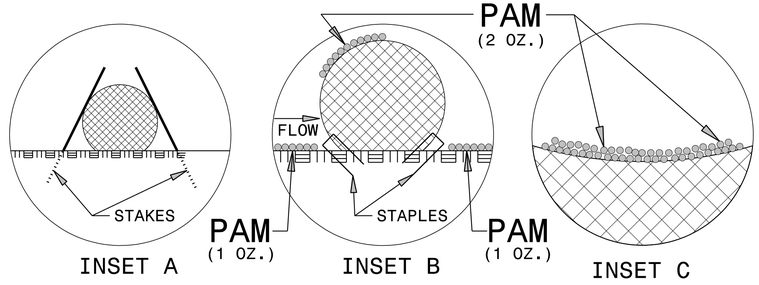
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

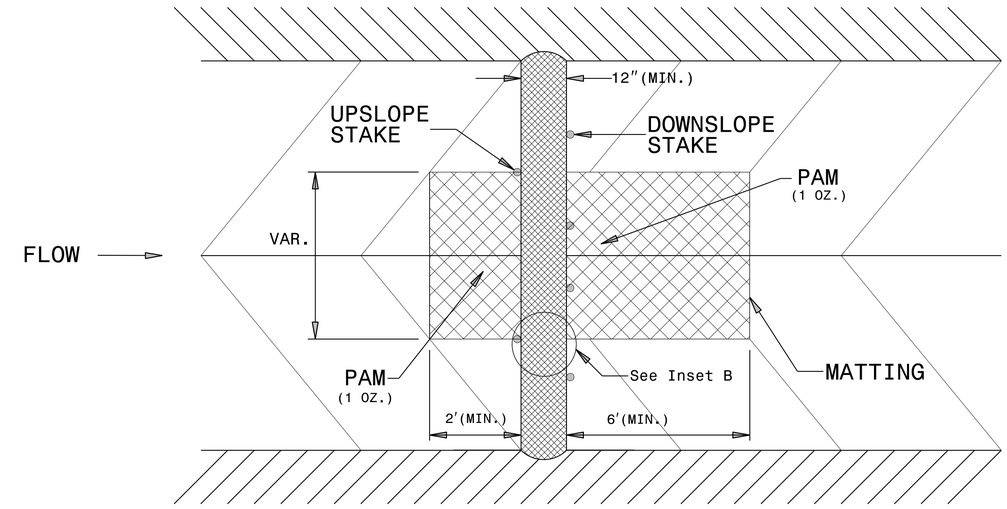
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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.

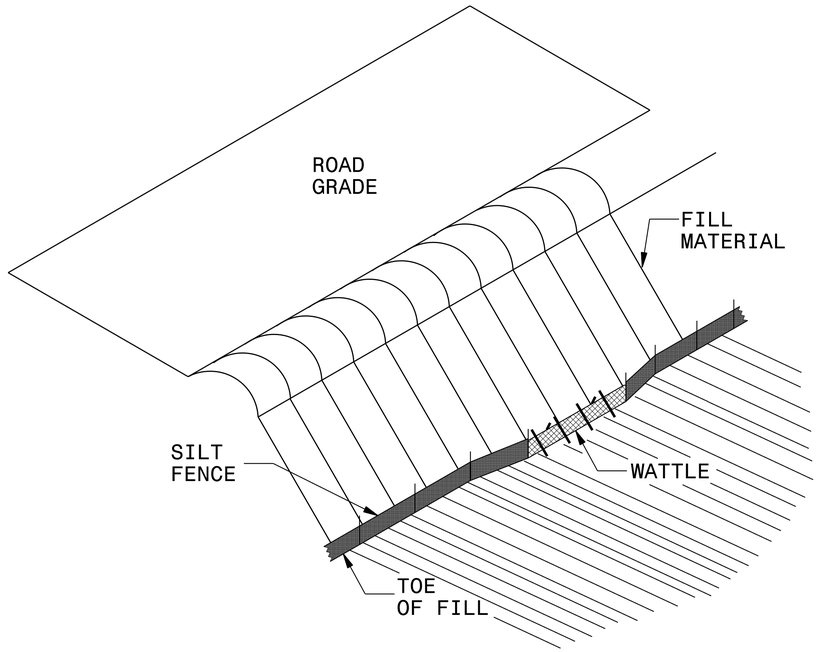




TOP VIEW

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

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.

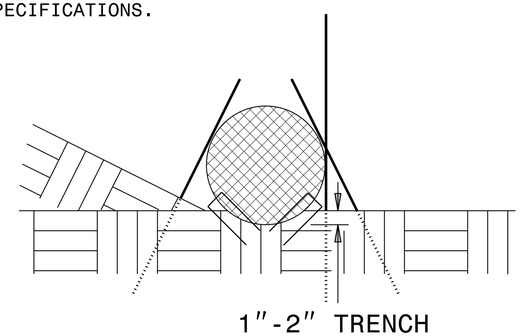
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

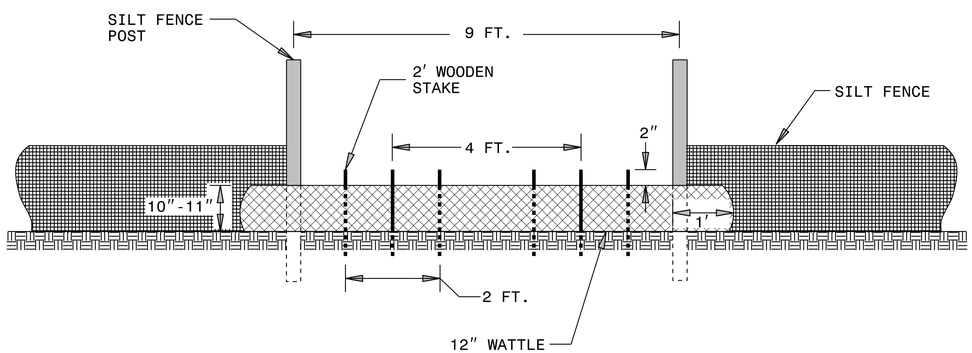
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

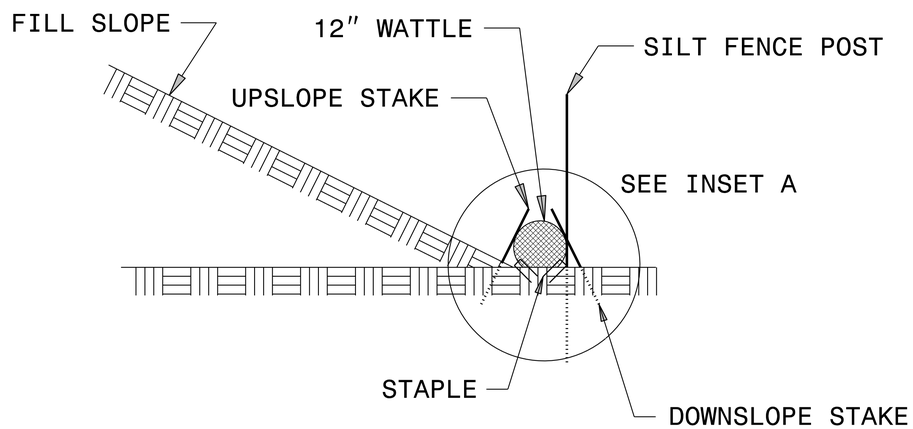
INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A





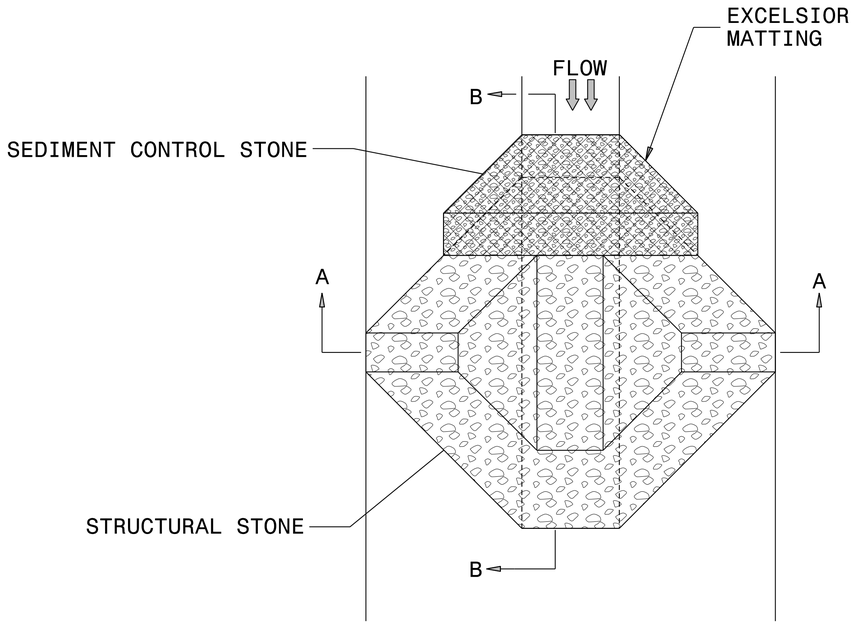
VIEW FROM SLOPE



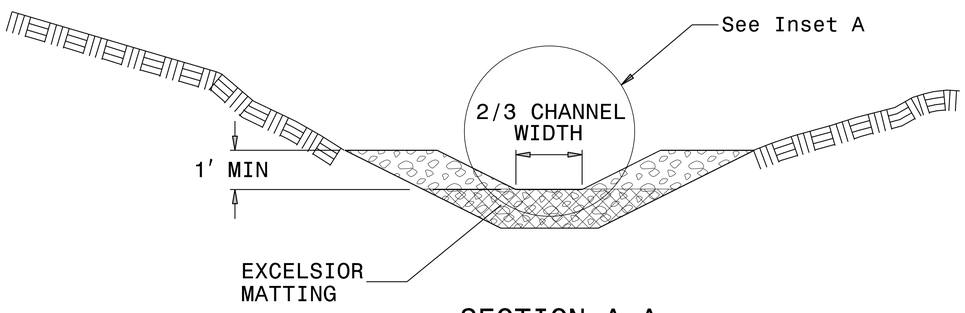
SIDE VIEW

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-2E
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



PLAN



SECTION A-A

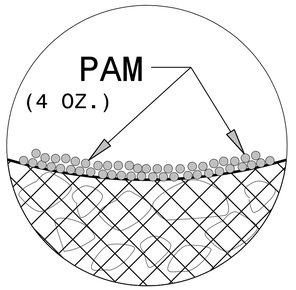
NOTES:

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

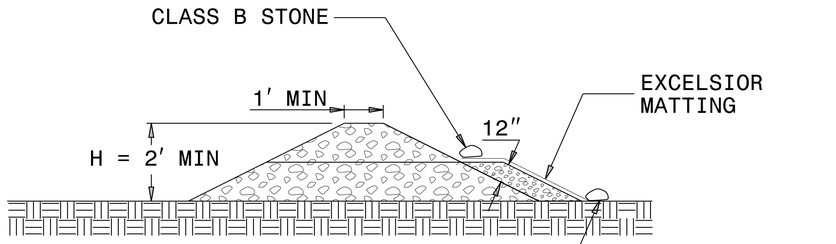
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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 B-B

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
20-16	-TEMP 95501-	14+00	19+00	RT	300
20-17	-Y15TEMPRP0-	13+00		LT	125
20-17	-Y15TEMPRP0-	14+84	15+79	LT	115
20-17	-Y15TEMPRP0-	11+00	11+50	LT	165
20-17	-Y15TEMPRP0-	12+00	14+50	LT	410
20-17	-Y15TEMPRP0-	12+00	14+50	RT	415
20-10	-L- AIP152	1035+00	1037+00	MED	240
20-10	-L- AIP155	1035+00	1037+00	MED	240
20-11	-L- AIP152	1037+00	1050+00	MED	1305
20-11	-L- AIP155	1037+00	1048+65	MED	1165
20-12	-L- AIP152	1050+00	1050+89	MED	90
16	-L-	946+18	947+55	LT	215
16	-L-	947+67	959+00	LT	1485
16	-L-	946+00	947+55	RT	175
16	-L-	947+67	950+50	RT	855
16	-L-	954+50	959+00	RT	605
16	-SR9-	80+80	86+93	LT	1125
16	-SR9-	73+93	76+83	LT	435
17	-DR1-	13+00	14+00	LT	85
17	-DR1-	10+50	12+00	LT	140
17	-DR1-	10+50	12+00	RT	140
17	-L-	959+00	960+00	LT	155
17	-L-	967+00	970+00	LT	650
17	-L-	977+00	984+25	LT	830
17	-L-	959+00	960+45	RT	195
17	-L-	961+50	966+68	RT	585
17	-L-	967+00	969+00	RT	410
17	-L-	973+67	973+73	RT	280
17	-L-	973+76	981+00	RT	3075
17	-LREV-	981+00	985+00	RT	1565

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
17	-NBCD-	11+10	15+41	RT	1285
17	-NBCD-	15+54	26+72	RT	1700
17	-SBCD-	11+37	21+71	LT	2105
17	-SBCD-	21+00	21+71	RT	75
17	-SR9-	86+93	88+10	LT	210
17	-SR9-	88+90	92+73	LT	695
17	-SR9A-	10+30	15+40	LT	515
17	-SR9A-	10+30	16+50	RT	545
17	-SR12-	18+00	22+81	RT	390
17	-SR12-	19+50		RT	130
17	-SR12-	18+00	22+81	LT	535
17	-Y14-	20+25	21+82	LT	260
17	-Y14RAB-	11+35	11+63	RT	75
17	-Y14RP0-	10+00	14+98	LT	515
17	-Y14RP0-	15+48	21+80	LT	1075
17	-Y14RPC-	14+37	21+75	RT	1330
18	-LREV-	985+00	992+50	RT	1855
18	-LREV-	995+00	998+00	RT	695
18	-NBCD-	29+50	38+75	LT	1200
18	-NBCD-	26+72	38+75	RT	1425
18	-SBCD-	21+71	24+28	LT	255
18	-SBCD-	21+71	28+91	RT	735
18	-SBCD-	33+00	34+60	RT	325
18	-SR18-	10+00	17+39	LT	655
18	-SR18-	17+88	23+73	LT	565
19	-L-	999+43	1002+48	LT	495
19	-L-	1022+00	1024+00	LT	205
19	-L-	998+00	1001+41	RT	740
19	-L-	1022+00	1024+00	RT	270
19	-LREV-	998+33	999+43	LT	210

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-3A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
19	-LREV-	1018+50	1022+00	LT	360
19	-LREV-	1007+91	1008+00	RT	125
19	-LREV-	1012+50	1014+50	RT	205
19	-LREV-	1015+50	1022+00	RT	795
19	-NBCD-	38+75	42+25	RT	795
19	-NBCD-	38+75	42+24	LT	430
19	-SBCD-	35+00	40+50	LT	1265
19	-SBCD-	34+60	40+51	RT	1090
19	-SR11-	10+50	12+80	LT	375
19	-SR18-	23+73	25+00	LT	105
19	-Y15-	22+50	22+94	LT	65
19	-Y15-	24+00	26+63	LT	700
19	-Y15-	31+00	32+60	LT	585
19	-Y15-	33+97	35+00	LT	470
19	-Y15-	24+64	26+50	RT	490
19	-Y15-	30+65	32+57	RT	535
19	-Y15-	33+77	35+00	RT	290
19	-Y15RPA-	18+00	18+37	LT	65
19	-Y15RPA-	18+00	19+50	RT	140
19	-Y15RPA-	22+50	23+94	RT	245
19	-Y15RPD-	16+76	23+00	LT	1255
19	-Y15RPD-	16+71	27+84	RT	2230
20	-L-	1024+00	1037+00	LT	2075
20	-L-	1024+00	1027+00	RT	405
20	-L-	1029+00	1037+00	RT	2290
20	-SR11-	31+75	35+57	LT	890
20	-SR11-	35+84	36+00	LT	35
21	-L-	1037+00	1038+00	LT	435
21	-L-	1047+00	1050+00	LT	325
21	-L-	1046+00	1050+00	RT	450

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
21	-SR13-	10+51	12+51	LT	280
22	-L-	1050+00	1061+63	LT	1210
22	-L-	1050+00	1062+00	RT	2015
22	-SR13-	12+51	14+01	LT	245
22	-SR13-	16+01	24+15	LT	655
54	-DR1-	10+39	10+77	LT	65
54	-DR1-	12+00	14+00	LT	165
54	-Y24-	66+00	69+07	LT	520
54	-Y14-	34+50	44+00	RT	935
54	-Y14-	34+00	34+50	LT	45
54	-Y14-	35+10	44+00	LT	1055
55	-SR9A-	20+05	27+70	LT	490
55	-SR9A-	20+50	24+00	RT	430
56	-SR18-	32+50	34+45	LT	195
56	-SR18-	32+50	36+35	RT	280
57	-Y15-	35+00	37+45	LT	1090
57	-Y15-	38+11	39+95	LT	845
57	-Y15-	35+00	35+50	RT	120
57	-Y15-	38+50	42+10	RT	285
57	-Y15-	43+10	46+65	RT	490
58	-SR12-	12+50	18+00	LT	800
58	-SR12-	14+50	18+00	RT	285
			SUBTOTAL		70,665
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					107,780
				TOTAL	178,445
				SAY	180,000

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (EXCELSIOR)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
20-17	-Y15TEMPRPB-	11+50	12+00	LT	85
17	-Y14-	31+00	31+72	LT	175
19	-SR11-	19+01	25+97	LT	1830
19	-Y15RPD-	23+00	27+80	RT	1310
20	-L-	1027+00	1029+00	RT	455
20	-SR11-	25+97	29+97	LT	1050
22	-SR13-	14+01	16+01	LT	305
56	-SR18-	32+00	32+50	RT	65
			SUBTOTAL		5,275
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					0
			TOTAL		5,275
			SAY		5,300

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
18	-LREV-	994+12	995+00	RT	210
19	-SR18-	24+75	25+00	RT	45
			SUBTOTAL		255
ADDITIONAL PSRM TO BE INSTALLED					0
			TOTAL		255
			SAY		255

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-3C
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

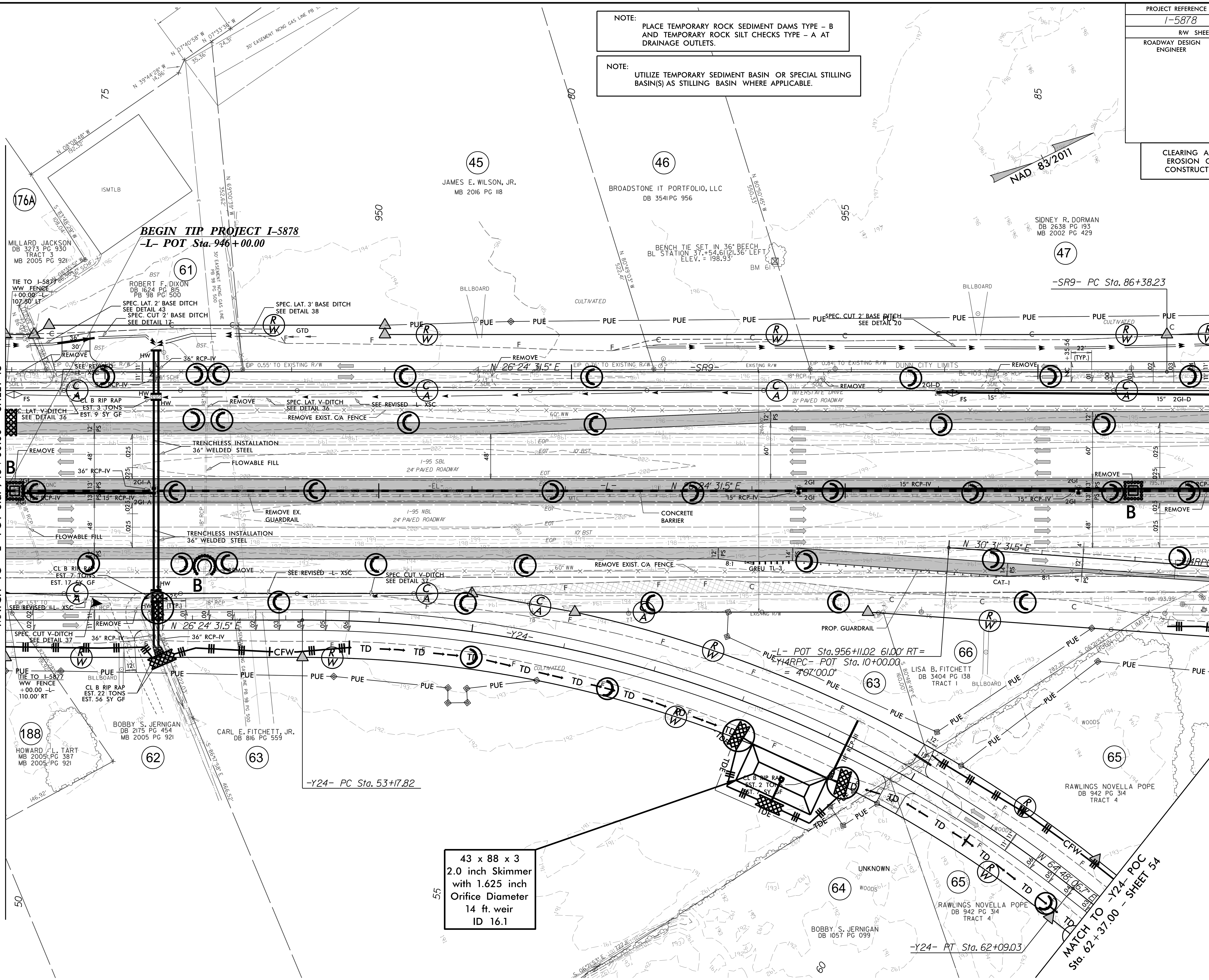
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-16/CONSTJ6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

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

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



NAD 83/2011
BEGIN TIP PROJECT I-5878
-L- POT Sta. 946+00.00
MATCH TO -L- POT Sta. 946+00.00 - SHEET 15
MATCH TO -L- POT Sta. 959+00.00 - SHEET 17
MATCH TO -Y24- POC Sta. 62+37.00 - SHEET 54
45
JAMES E. WILSON, JR.
MB 2016 PG 118
46
BROADSTONE IT PORTFOLIO, LLC
DB 3541 PG 956
47
SIDNEY R. DORMAN
DB 2638 PG 193
MB 2002 PG 429
61
ROBERT F. DIXON
DB 1624 PG 815
PB 98 PG 500
176A
MILLARD JACKSON
DB 3273 PG 930
TRACT 3
MB 2005 PG 921
BENCH TIE SET IN 36" BEECH
BL STATION 37+54.61 21.36' LEFT
ELEV. = 198.93'
BM 61
-SR9- PC Sta. 86+38.23
N 26° 24' 31.5" E
N 30° 31' 31.5" E
DUNN CITY LIMITS
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
TRENCHLESS INSTALLATION
36" WELDED STEEL
FLOWABLE FILL
CONCRETE BARRIER
REMOVE EX. GUARDRAIL
REMOVE EXIST. C/A FENCE
PROP. GUARDRAIL
-L- POT Sta. 956+11.02 61.00' RT =
-Y14RPC- POT Sta. 10+00.00
= 407'00.0"
66
LISA B. FITCHETT
DB 3404 PG 138
TRACT 1
63
65
RAWLINGS NOVELLA POPE
DB 942 PG 314
TRACT 4
64
BOBBY S. JERNIGAN
DB 1057 PG 099
62
BOBBY S. JERNIGAN
DB 2175 PG 454
MB 2005 PG 921
CARL E. FITCHETT, JR.
DB 816 PG 559
188
HOWARD L. TART
MB 2005 PG 387
MB 2005 PG 921
-Y24- PC Sta. 53+17.82
-Y24- PT Sta. 62+09.03
43 x 88 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
14 ft. weir
ID 16.1

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-17/CONST.17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

L-95 &
SR 1793 (JOE POPE RD.)

4400
7200
100
1500
200
3200
-L- I-95
56,900
77,400
56,900
81,200
700
800
JOE POPE RD.
900
2500
2018 AADT
2040
1600
5300

SR 1792 (JACKSON RD.)
& SR 1793 (SPRING BRANCH RD.)

2700
5200
200
300
300
400
CULTIVATED
SR 1792
JACKSON RD.
1300
1800
1500
2200
900
1300
1000
1200
JOE POPE RD.
2018 AADT
2040
4400
7200

141 x 58 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
31 ft. weir
ID 17.1

160 x 45 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
28 ft. weir
ID 17.5

175 x 35 x 3
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
26 ft. weir
ID 17.3

66 x 32 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
18 ft. weir
ID 17.7

158 x 30 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
18 ft. weir
ID 17.2

190 x 50 x 3
3.0 inch Skimmer
with 2.625 inch
Orifice Diameter
41 ft. weir
ID 17.4

2@53 x 12 x 3
ID 17.8

2@53 x 12 x 3
ID 17.9

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C, AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

GRAPHIC SCALE
50 25 0 50 100
PLANS

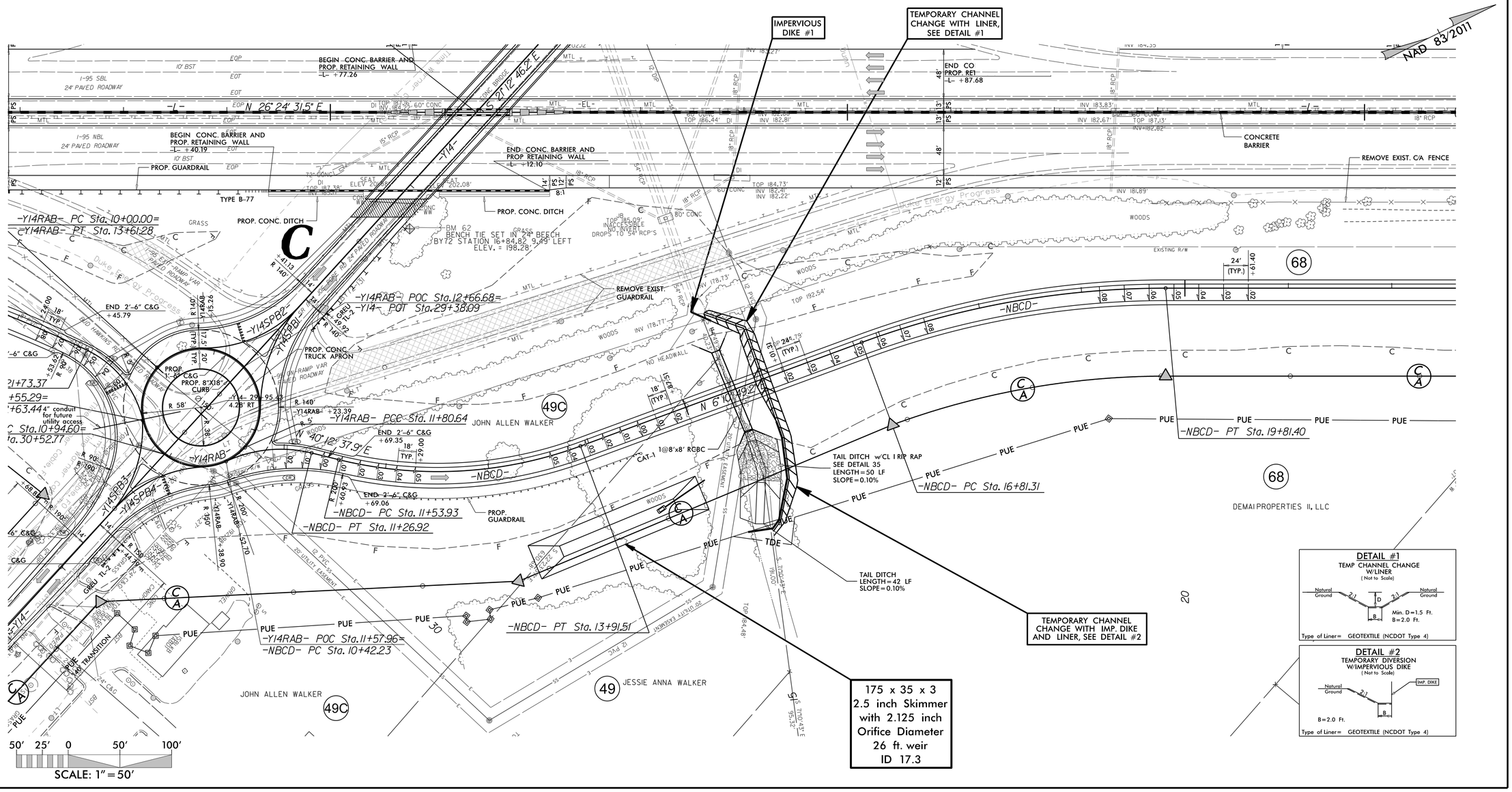
NAD 83/2011

1@8'X8' CULVERT CONSTRUCTION SEQUENCE
STA. 15+47 –NBCD– UT TO MINGO SWAMP

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-17A/CONST.17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE I

1.) UTILIZE SKIMMER BASIN 17.3 AS STILLING BASIN DURING CULVERT CONSTRUCTION.
2.) CONSTRUCT +/–137' OF TEMPORARY CHANNEL CHANGE WITH LINER (SEE DETAIL #1). THEN CONVERT REMAINDER TO TEMPORARY CHANNEL CHANGE WITH IMPERVIOUS DIKE (SEE DETAIL #2).
3.) INSTALL IMPERVIOUS DIKE #1 AND DIVERT FLOW INTO TEMPORARY CHANNEL.
4.) DEWATER CONSTRUCTION AREA, UTILIZING BASIN 17.3 FOR PUMPED EFFLUENT.
5.) CONSTRUCT 1@8'X8' RCBC AND TAIL DITCH WITH CL I RIP RAP AND TAIL DITCH.
6.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
7.) REMOVE IMPERVIOUS DIKE #1, TEMPORARY CHANNEL CHANGE WITH LINER, AND TEMPORARY CHANNEL CHANGE WITH IMPERVIOUS DIKE.
8.) DIVERT FLOW THROUGH 1@8'X8' RCBC.
9.) COMPLETE ROADWAY.



DETAIL #1
TEMP CHANNEL CHANGE W/LINER
(Not to Scale)

Type of Liner= GEOTEXTILE (NCDOT Type 4)

DETAIL #2
TEMPORARY DIVERSION W/IMPERVIOUS DIKE
(Not to Scale)

Type of Liner= GEOTEXTILE (NCDOT Type 4)

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-18/CONST J8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

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

NAD 83/2011

MATCH TO –SBCD– POT Sta. 21+71.15 – SHEET 17

MATCH TO –LREV– POT Sta. 985+00.00 – SHEET 17

MATCH TO –NBCD– POT Sta. 26+71.47 – SHEET 17

MATCH TO –SBCD– POT Sta. 34+60.0 – SHEET 19

MATCH TO –LREV– POT Sta. 998+00.00 – SHEET 19

MATCH TO –NBCD– POT Sta. 38+75.00 – SHEET 19

–SRI8– PC Sta. 11+29.47

–SBCD– PC Sta. 24+61.47

–SRI8– PT Sta. 21+37.44

–SRI8– PC Sta. 22+07.82

–L– CS Sta. 992+86.28

–SRI8– PRC Sta. 16+70.04

–SBCD– PRC Sta. 27+71.82

–SRI8– PRC Sta. 15+23.76

–SBCD– PT Sta. 22+40.95

–SBCD– PT Sta. 32+49.07

–L– ST Sta. 997+30.28

–L– SC Sta. 987+45.99

–LREV– SC Sta. 987+37.93

–LREV– CS Sta. 993+29.27

–NBCD– PC Sta. 28+63.95

–NBCD– PT Sta. 38+57.49

2@70 x 12 x 3
ID 18.2

2@55 x 12 x 3
ID 18.1

2@72 x 12 x 3
ID 18.3

PROP. 3"CONC. ISLAND COVER
O1 SLOPE / BETWEEN / B.O.C. AND FULL HEIGHT OF SF BARRIER

+46.78 –SRI8–
13.75' RT
END SF BARRIER

+07.46 –SRI8–
13.75' RT
BEG. SF BARRIER

+10.00 –SBCD–
9.75' LT
BEG. FLOWABLE FILL
BEG. CONC. BARRIER

+49.07 –SBCD–
19.75' LT
BEG. VAR. WIDTH CONC. BARRIER
END SF BARRIER

+19.42 –SBCD–
19.75' LT
END CONC. BARRIER
–SBCD– +16.00
28.69' LT

REMOVE +34.92 –SRI8–
13.75' RT

BEG. EXPRESSWAY GUTTER
–SBCD– +35.00

BEG. END 8"X18" CURB
–SBCD– +01.34
21.17' LT
31.06' LT

BILLY L. WEBB
DB 587 PG 275

2ND BAPTIST CHURCH OF DUNN
DB 294 PG 539

DUNN HOSPITALITY VENTURES
DB 3225 PG 27
MB 2014 PG 183

CIRCLE ENTERPRISES
DB 5881 PG 143
MB PC#F PG 766-A

NEELAY, LLC
DB 3363 PG 670
MB PC#F PG 766-A

DEMAI PROPERTIES II, LLC
DB 1220 PG 178

CASPER ROAD, LLC
DB 2942 PG 95
MB 2011 PG 124
TRACT D

JESSIE CASPER, LLC
DB 2504 PG 124

PORTION OF EXISTING DITCH BEING RETAINED TO SEPERATE OVERLAND FLOW FROM ENTERING PROPOSED ROADWAY DITCH.

DO NOT DISTURB

TRENCHLESS INSTALLATION
30" WELDED STEEL

< 0.1 CFS

REMOVE EXIST. GUARDRAIL

REMOVE EXIST. C/A FENCE

REMOVE EXIST. SIGNS

REMOVE EXIST. C/A FENCE

CL B RIP RAP
EST. 2 TONS
EST. 7 SY GF

CL B RIP RAP
EST. 8 TONS
EST. 21 SY GF

LAT. 2' BASE DITCH
SEE DETAIL 12

SPEC. CUT V-DITCH
SEE DETAIL 1

SPEC. CUT 2' BASE DITCH
SEE DETAIL 34

SHOULDER BERM GUTTER (SBG)
FROM STA. 995+15 –LREV– RT
TO BEGIN BRIDGE

GRADE TO DRAIN (GTD)

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

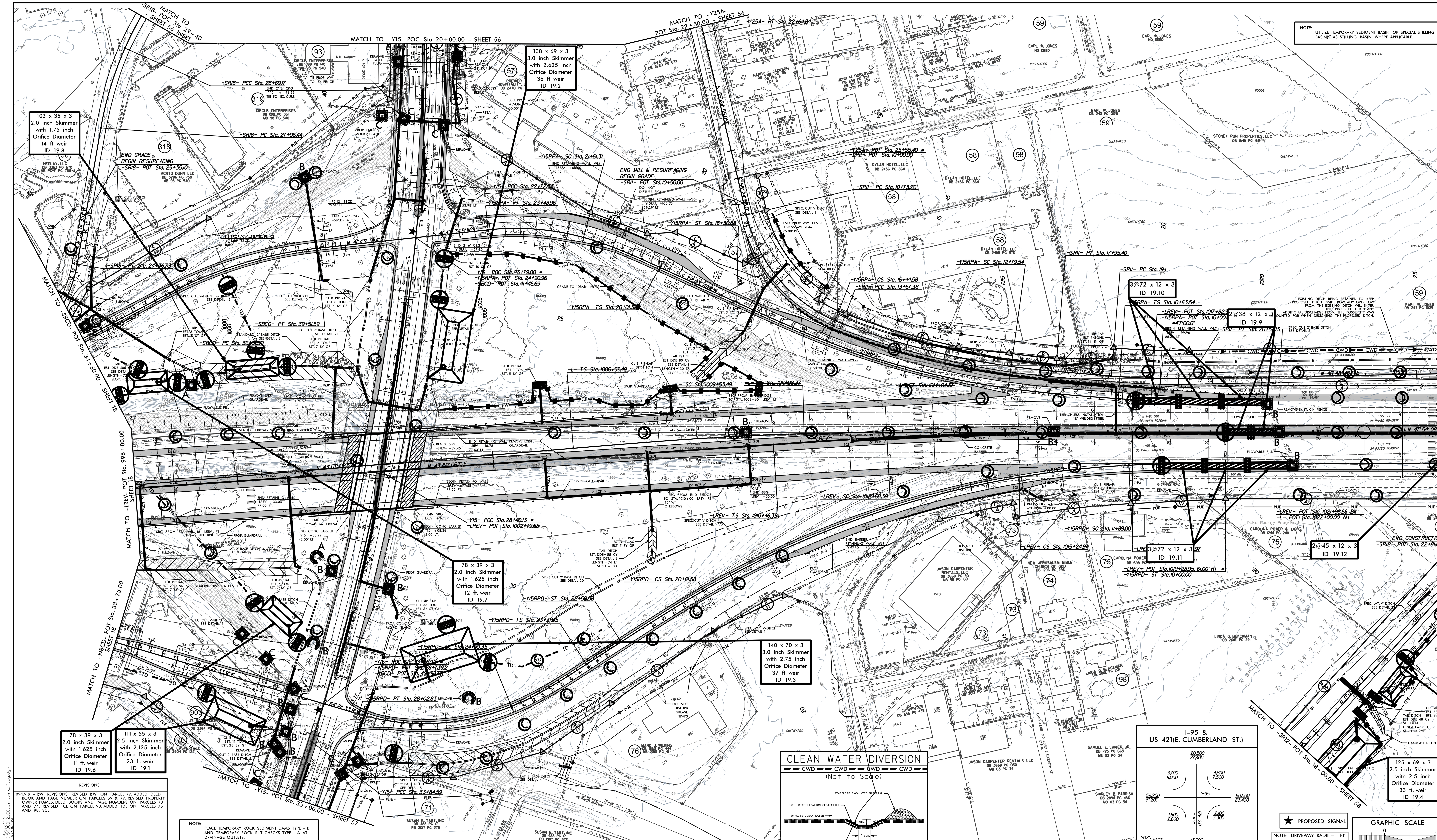
PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-19/CONST.19

R/W SHEET NO.

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



REVISIONS

09/17/19 – R/W REVISIONS: REVISED R/W ON PARCEL 77; ADDED DEED BOOK AND PAGE NUMBER ON PARCELS 59 & 77; REVISED PROPERTY OWNER NAMES, DEED BOOKS AND PAGE NUMBERS ON PARCELS 73 AND 74; REVISED TCE ON PARCEL 98; ADDED TDE ON PARCELS 75 AND 98. SCL

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

5/14/2021
I-5986B-2_EC_dsn_psh_19_cg.dgn
sskalnig

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-20/CONST.20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

MATCH TO -L- POT Sta. 1024+00.00 – SHEET 19

MATCH TO -L- POT Sta. 1037+00.00 – SHEET 21

Modified Silt Basin
Type 'B'
80 x 41 x 3
25 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 20.1

81 x 40 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
25 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 20.1

3@72 x 12 x 3
ID 20.4

2@45 x 12 x 3
ID 19.12

2@45 x 12 x 3
ID 20.3

2@72 x 12 x 3
ID 20.5

160 x 70 x 3
3.0 inch Skimmer
with 2.75 inch
Orifice Diameter
61 ft. weir
ID 20.2

-SRII- PC Sta. 31+06.37

-SRII- PT Sta. 33+91.45

END CONSTRUCTION
-SRII- POT Sta. 36+00.00

-SRII- POT Sta. 33+91.45

24 INCH TEMPORARY PIPE

STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC*F PG 20-B

EARL W. JONES
DB 243 PG 0129

STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC*F PG 20-B

EARL W. JONES
DB 243 PG 0129

CAROLINA POWER & LIGHT
DB 1244 PG 248

ROPESTAR EVENTS, LLC
DB 3752 PG 821
MB 2019 PG 38
MB 2015 PG 34

STATE, LLC
PG 693
PG 157

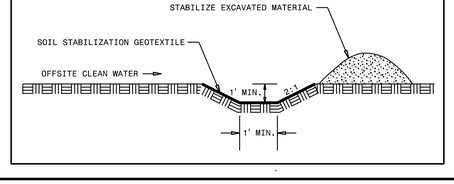
EXISTING DITCH BEING RETAINED TO KEEP PROPOSED DITCH INSIDE ROW. ANY OVERFLOW FROM THE EXISTING DITCH WOULD ENTER THE PROPOSED DITCH. ANY ADDITIONAL DISCHARGE FROM THIS POSSIBILITY HAS BEEN ACCOUNTED FOR IN THE DESIGN OF THE PROPOSED DITCH.

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

CLEAN WATER DIVERSION

CWD CWD CWD CWD

(Not to Scale)



PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-21/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21

NAD 83/2011

MATCH TO –L– POT Sta. 1037+00.00 – SHEET 20

MATCH TO –L– POT Sta. 1050+00.00 – SHEET 22

2@44 x 12 x 3
ID 21.3

2@52 x 12 x 3
ID 21.4

2@72 x 12 x 3
ID 21.1

2@72 x 12 x 3
ID 20.5

118 x 35 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
16 ft. weir
ID 21.2

60
STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC"F PG 20-B

99
CHARLES R. LUCAS
DB 903 PG 254

203
ROPESTAR EVENTS, LLC
DB 3732 PG 82
MB 2019 PG 38
MB 2015 PG 34

204
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97

-SR13- POT Sta. 10+00.00

-SR13- N 47° 54' 08.8" E

-SR14- POT Sta. 10+00.00

-SR14- N 47° 54' 36.6" E

-L- N 47° 54' 08.8" E

DUNN CITY LIMITS

SPEC. CUT 5' BASE DITCH
SEE DETAIL 7

BEGIN CULVERT
-L- POT STA. 1041+93 +/-

END PROP. WW FENCE
+39.54 -L-
116.45' LT

TOE PROTECTION
CL B RIP RAP
EST. 95 SY GF
EST. 55 TONS
SEE DETAIL 45

CULVERT INLET STABILIZATION
w/CL I RIPRAP
SEE DETAIL 24
EST. 10 TONS
EST. 15 SY GF

TOE PROTECTION
CL B RIP RAP
EST. 95 SY GF
EST. 55 TONS/
SEE DETAIL 46

DO NOT DISTURB
BILLBOARD

SPEC. CUT V-DITCH
SEE DETAIL 1

TRENCHLESS INSTALLATION
60" WELDED STEEL

BEG. PROP. GUARDRAIL
+00.00 -L-
97.50' LT

CL B RIP RAP
EST. 3 TONS
EST. 11 SY GF

GREU TL-3

REMOVE EXIST. GUARDRAIL

3@8'x9' RCBC

DEPTH=12.3'

CONCRETE BARRIER

REMOVE EXIST. GUARDRAIL

REMOVE 5 LF

FLOWABLE FILL

REMOVE EXIST. C/A FENCE

TRENCHLESS INSTALLATION
24" WELDED STEEL

REMOVE EXIST. C/A FENCE

FLOWABLE FILL
60" RCP-IV

REMOVE

GREU TL-3 BEG. PROP. WW FENCE
-16.11- -L-
114.27' RT

END CULVERT
-L- POT STA. 1042+25 +/-

BEG. PROP. WW FENCE
119.19' RT

PROP. GUARDRAIL

TOE PROTECTION
CL B RIP RAP
EST. 76 SY GF
EST. 45 TONS
SEE DETAIL 46

+50.00 -L-
130.00' RT

+50.00 -L-
130.00' RT

TOE PROTECTION
CL B RIP RAP
EST. 105 SY GF
EST. 60 TONS
SEE DETAIL 46

CL B RIP RAP
EST. 5 TONS
EST. 16 SY GF

CULVERT OUTLET STABILIZATION
w/CL I RIPRAP
SEE DETAIL 33
EST. 40 TONS
EST. 50 SY GF

LAT. 6' BASE DITCH w/CL I RIPRAP
SEE DETAIL 10
EST. 300 TONS
EST. 420 SY GF

TAIL DITCH w/CL I RIPRAP
EST. DDE 20 CY
SEE DETAIL 41
EST. 35 TONS
EST. 35 SY GF
LENGTH=23 LF
SLOPE=9.13%

+61.72 -L-
111.00' RT

+61.72 -L-
130.00' RT

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

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

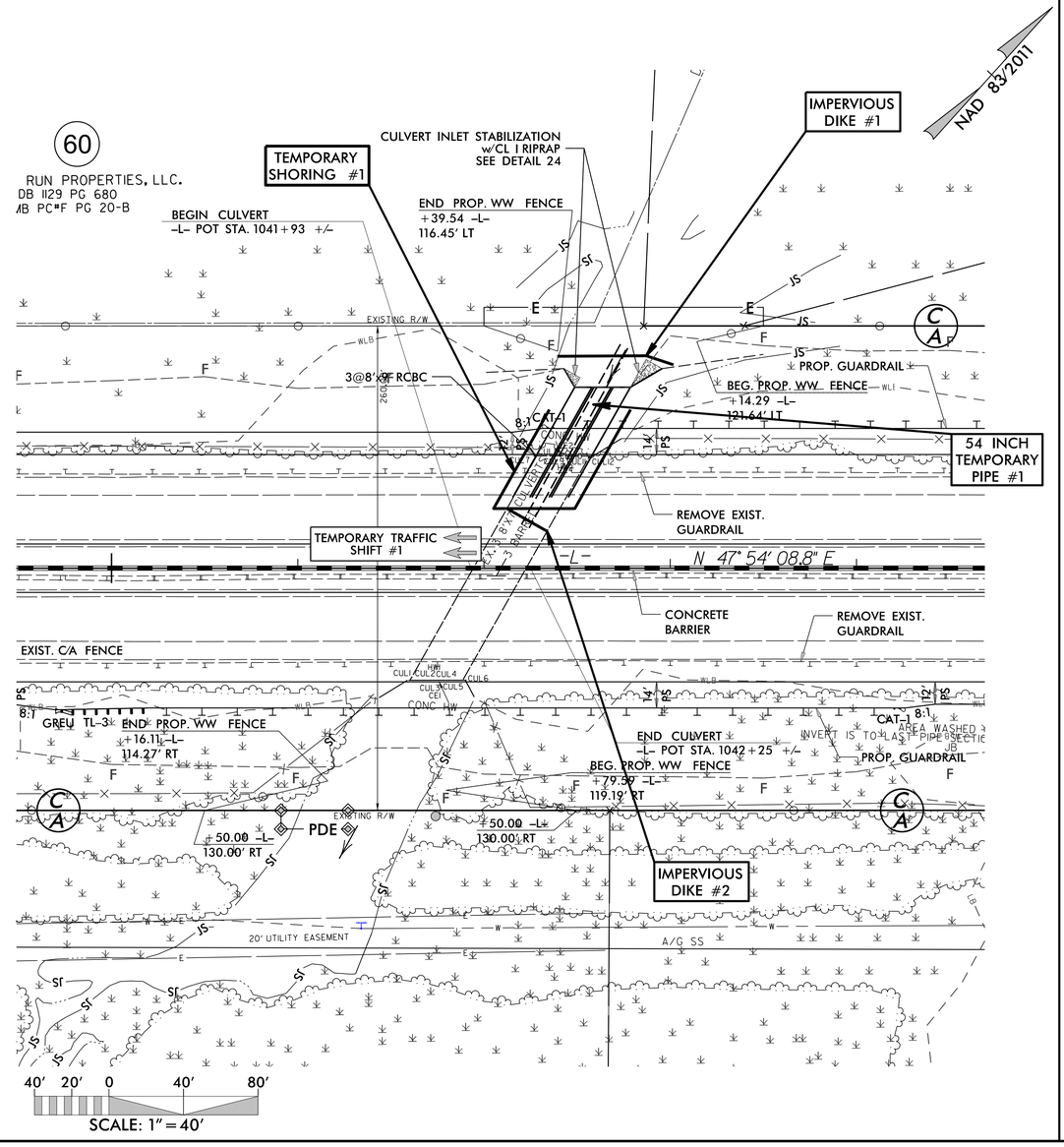
NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

3@8'X9' RCBC CONSTRUCTION SEQUENCE
STA. 1042+09 –L– STONY RUN (HANNAS POND)

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-21A/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

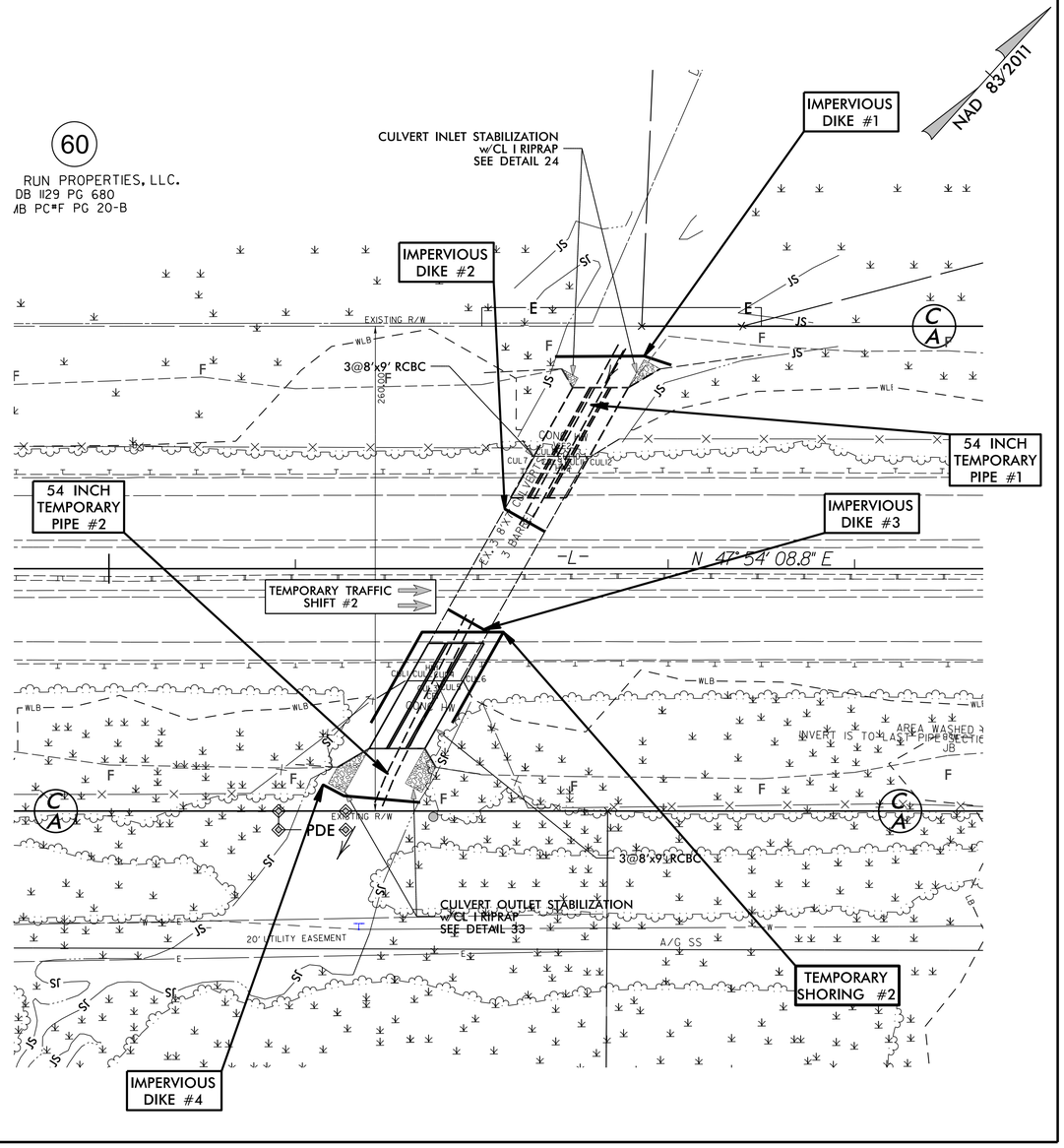
PHASE I

1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2.) INSTALL IMPERVIOUS DIKES #1 AND #2 AND TEMPORARY 54" PIPE #1.
3.) DEWATER CONSTRUCTION AREA, UTILIZING SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
4.) CONSTRUCT TEMPORARY SHORING #1 AND TEMPORARY TRAFFIC SHIFT #1.
5.) REMOVE +/– 33' OF EXISTING BOX CULVERT AND WINGWALLS AT INLET END.
6.) CONSTRUCT +/– 68' OF PROPOSED BOX CULVERT AT INLET END AND CULVERT INLET STABILIZATION W/CL I RIP RAP.
7.) REMOVE TEMPORARY SHORING #1.



PHASE II

1.) INSTALL IMPERVIOUS DIKES #3 AND #4 AND TEMPORARY 54" PIPE #2.
2.) DEWATER CONSTRUCTION AREA UTILIZING SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
3.) CONSTRUCT TEMPORARY SHORING #2 AND TEMPORARY TRAFFIC SHIFT #2.
4.) REMOVE +/– 30' OF EXISTING BOX CULVERT AND WINGWALLS AT INLET END.
5.) CONSTRUCT +/– 65' OF PROPOSED BOX CULVERT AT OUTLET END AND CULVERT OUTLET STABILIZATION W/CL I RIP RAP
6.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
7.) REMOVE IMPERVIOUS DIKES, TEMPORARY 54" PIPES, AND TEMPORARY SHORING #2.

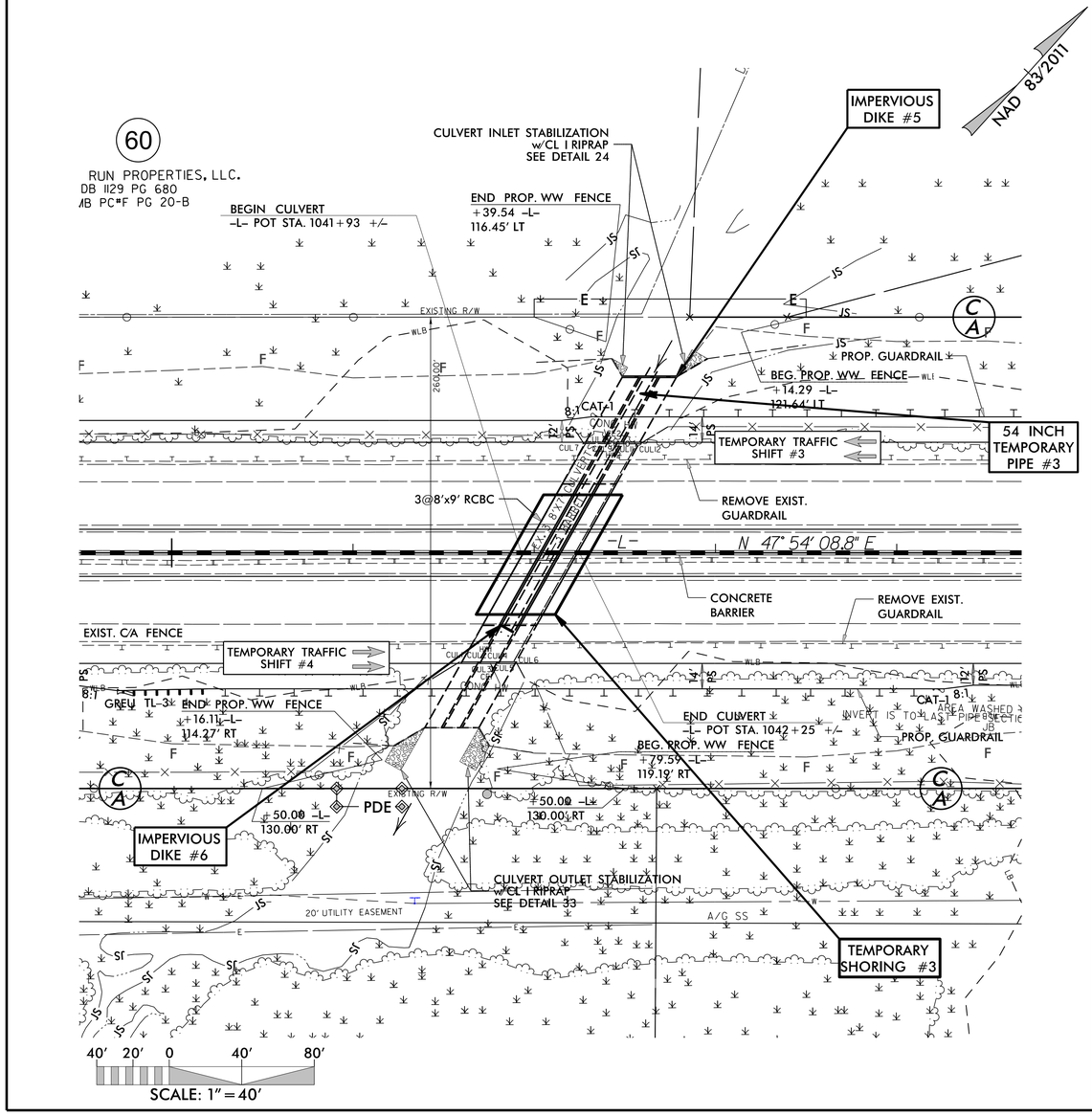


3@8'X9' RCBC CONSTRUCTION SEQUENCE
STA. 1042 + 09 –L– STONY RUN (HANNAS POND)

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-21B/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE III

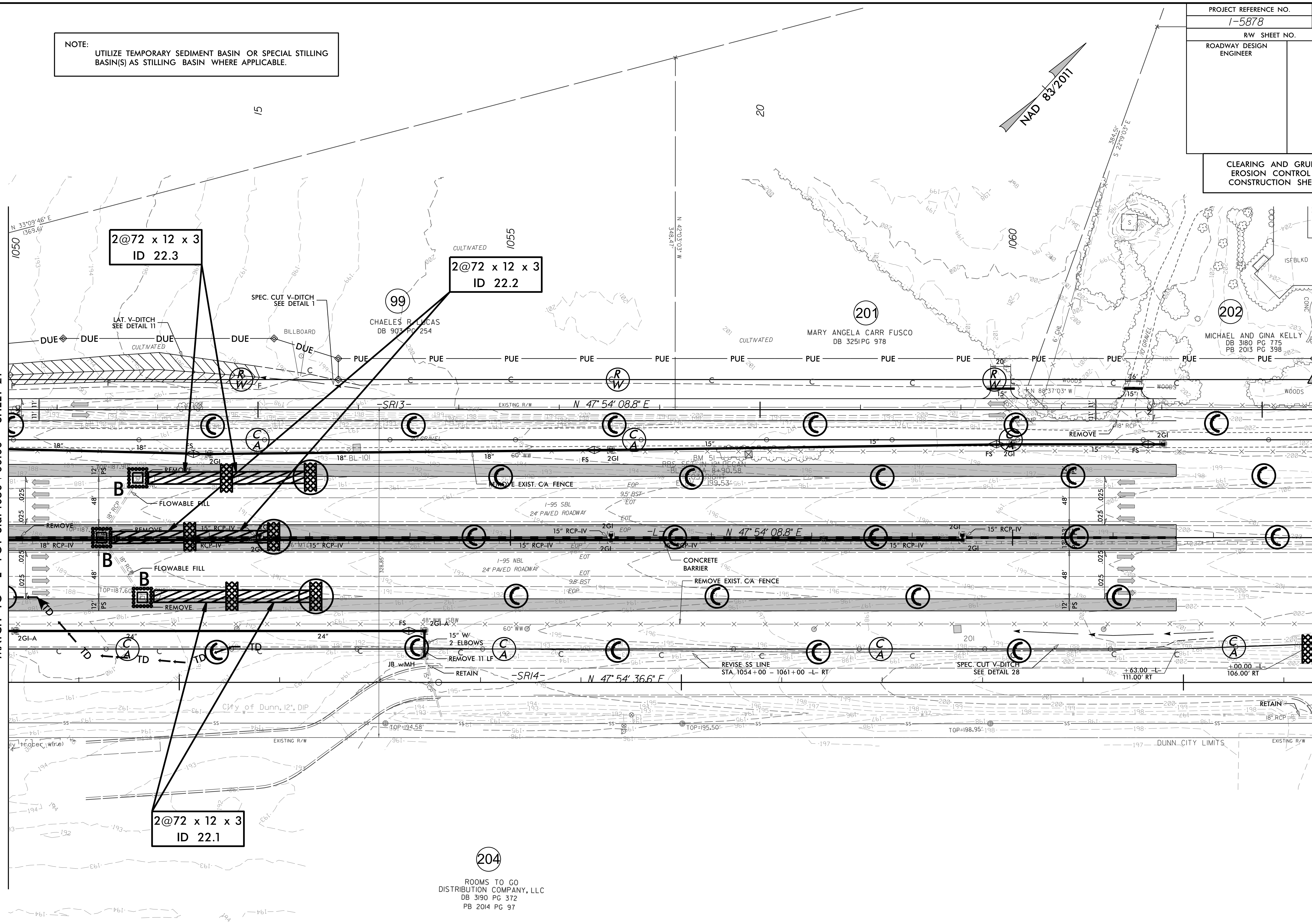
1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2.) INSTALL IMPERVIOUS DIKES #5 AND #6 AND TEMPORARY 54" PIPE #3.
3.) DEWATER CONSTRUCTION AREA, UTILIZING SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
4.) CONSTRUCT TEMPORARY SHORING #3 AND TEMPORARY TRAFFIC SHIFTS #3 AND #4.
5.) REMOVE REMAINDER OF EXISTING BOX CULVERT.
6.) CONSTRUCT REMAINDER OF PROPOSED BOX CULVERT.
7.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
8.) REMOVE IMPERVIOUS DIKES, TEMPORARY 54" PIPE #3, AND TEMPORARY SHORING #3 AND DIVERT FLOW THROUGH 3@8'X9' RCBC.
9.) COMPLETE ROADWAY AND REMOVE TEMPORARY TRAFFIC SHIFTS #3 AND #4.



PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-22/CONST.22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



NAD 83/2011
MATCH TO -L- POT Sta. 1050+00.00 - SHEET 21
MATCH TO -L- POT Sta. 1063+00.00 - SHEET 23
2@72 x 12 x 3
ID 22.3
2@72 x 12 x 3
ID 22.2
2@72 x 12 x 3
ID 22.1
99
CHAELES B LUCAS
DB 903 PG 254
201
MARY ANGELA CARR FUSCO
DB 3251 PG 978
202
MICHAEL AND GINA KELLY
DB 3180 PG 775
PB 2013 PG 398
204
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97
LAT. V-DITCH
SEE DETAIL 11
SPEC. CUT V-DITCH
SEE DETAIL 1
BILLBOARD
CULTIVATED
FLOWABLE FILL
REMOVE
REMOVE EXIST. C/A FENCE
CONCRETE BARRIER
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
N 47° 54' 08.8" E
N 47° 54' 36.6" E
-SRI3-
-SRI4-
15" W/
2 ELBOWS
REMOVE 11 LF
RETAIN
REVISE SS LINE
STA. 1054+00 - 1061+00 -L- RT
SPEC. CUT V-DITCH
SEE DETAIL 28
DUNN CITY LIMITS
EXISTING R/W
WOODS

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

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-54/CONST.54
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 54

NAD 83/2011

MATCH TO -Y14- POT
Sta. 34+00.00 – SHEET 17

-Y14- PC Sta. 35+32.83

-Y14- POT Sta. 38+09.27 =
-Y24- POT Sta.69+65.13

-Y14- PT Sta. 38+81.34

-Y24- POT Sta. 69+65.13

-Y24- POT 69+53.13
END CONSTRUCTION

END CONSTRUCTION
-Y14- POT Sta.44+25.00

-Y14- POT Sta. 46+81.23

-DRI- PC Sta. 10+39.90

-DRI- POT Sta.10+00.00 =
-Y24- POT Sta.65+49.06

-DRI- PT Sta. 11+24.37

MATCH TO -DRI- POT
Sta. 13+00.00 – SHEET 17

MATCH TO -Y24- POT Sta. 62+20.00 – SHEET 16

81 DUNN COMMERCE PARK, LLC
DB 2533 PG 736
PC*F SLIDE 82-B

82 WINCOR PROPERTIES, LLC
DB 2457 PG 865
TRACT 22

49 JESSIE ANNA WALKER
DB 3270 PG 706
MB 2018 PG 087

49B JESSIE ANNA WALKER
DB 90-E PG 261
PC*F SLIDE 227C
TRACT B

83 RANDY B. EMANUEL, SR
DB 2423 PG 241
PC *F SLIDE 135-D

84 KAM LEASING, LLC
DB 2646 PG 45

65 RAWLINGS NOVELLA POPE
DB 942 PG 314
TRACT 4

67 DISHA HOSPITALITY, LLC
DB 3203 PG 20

85 KILVET A. CABRERA
DB 3329 PG 704
MB 2006 PG 604

46 x 92 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
16 ft. weir
ID 54.1

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

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-55/CONST.55
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 55

NAD 83/2011

JAMES O. MCNEILL
DB 2109 PG 566

LULA M WILLIAMS
DB 1960 PG 836

WALTER L SMITH
DB 868 PG 212

BRANDY RANDOLPH HOBSON
& ALEXIS JADE HOBSON
DB 3369 PG 650

COURTNEY E STARING
& RAFEAL MEJI-NIETO
DB 3395 PG 378

WANDA HUDSON
DB 2744 PG 774

BILLY N TART
DB 1406 PG 117

CITY OF DUNN
DB 1213 PG 427

WHOLE ARMOR MINISTRIES INC
DB 2093 PG 529

SIDNEY R. DORMAN
DB 1613 PG 134

SIDNEY R. DORMAN
DB 2638 PG 193
MB 2002 PG/429

52 x 26 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 55.2

96 x 48 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
17 ft. weir
ID 55.1

END CONSTRUCTION
-SR9A- POT Sta. 27+78.86

-SR9A- POT Sta. 27+89.96

-SR9A- PT Sta. 24+39.96

-SR9A- PC Sta. 22+65.22

-SR9A- PT Sta. 19+63.99

MATCH TO -SR9A- POT Sta. 17+00.00 - SHEET 17

SPEC. LAT. V DITCH
SEE DETAIL 16

SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17

CL I RIP RAP
EST. 33 TONS
EST. 62 SY GF

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

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

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-56/CONST.56
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 56

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NAD 83/2001

MATCH TO -Y25A- POC Sta. 22+50.00 - SHEET 19

MATCH TO -Y15- POT Sta. 8+00.00 - SHEET 56A

MATCH TO -Y15- POC Sta. 20+00.00 - SHEET 19

MATCH TO -SR18- POT Sta 32+00.00 - SHEET 56 INSET

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

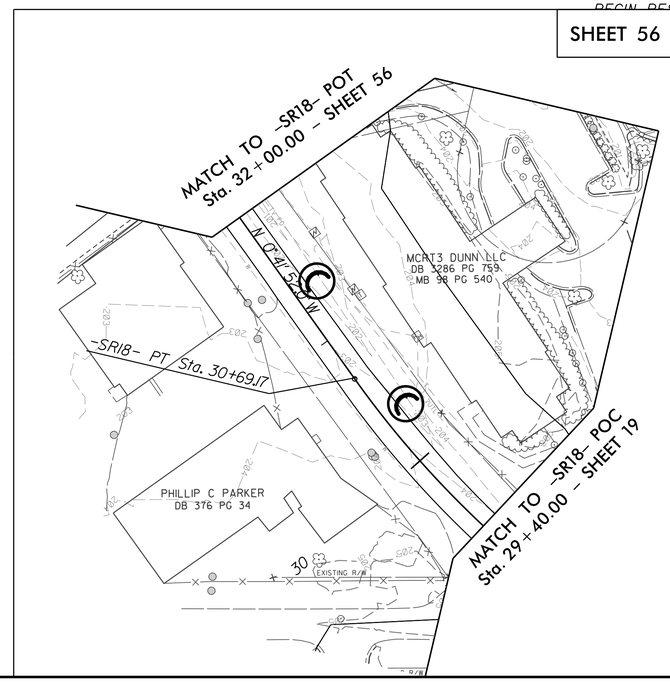
PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-56A/CONST.56A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

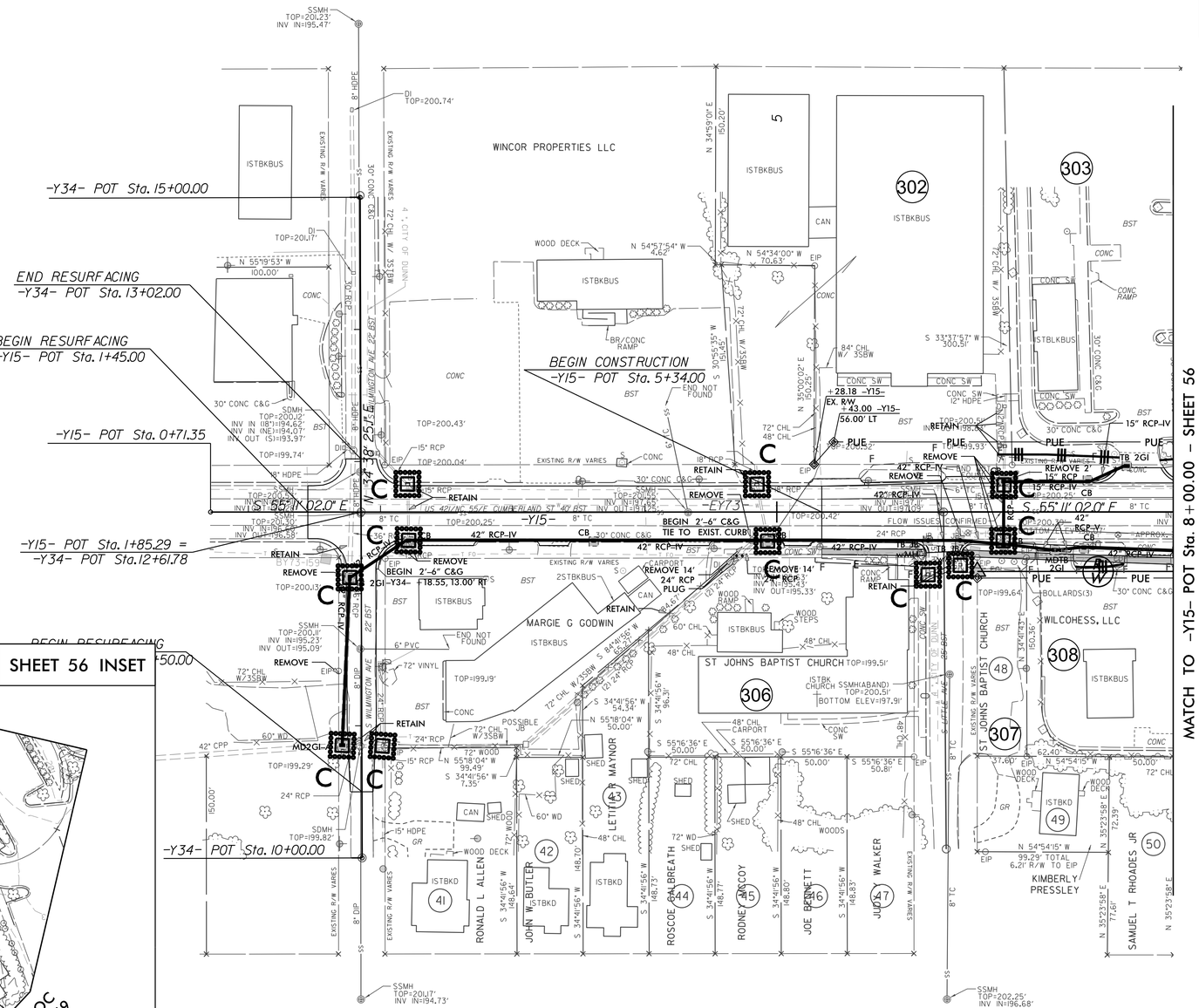
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 56A

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NAD 83/2001

SHEET 56 INSET





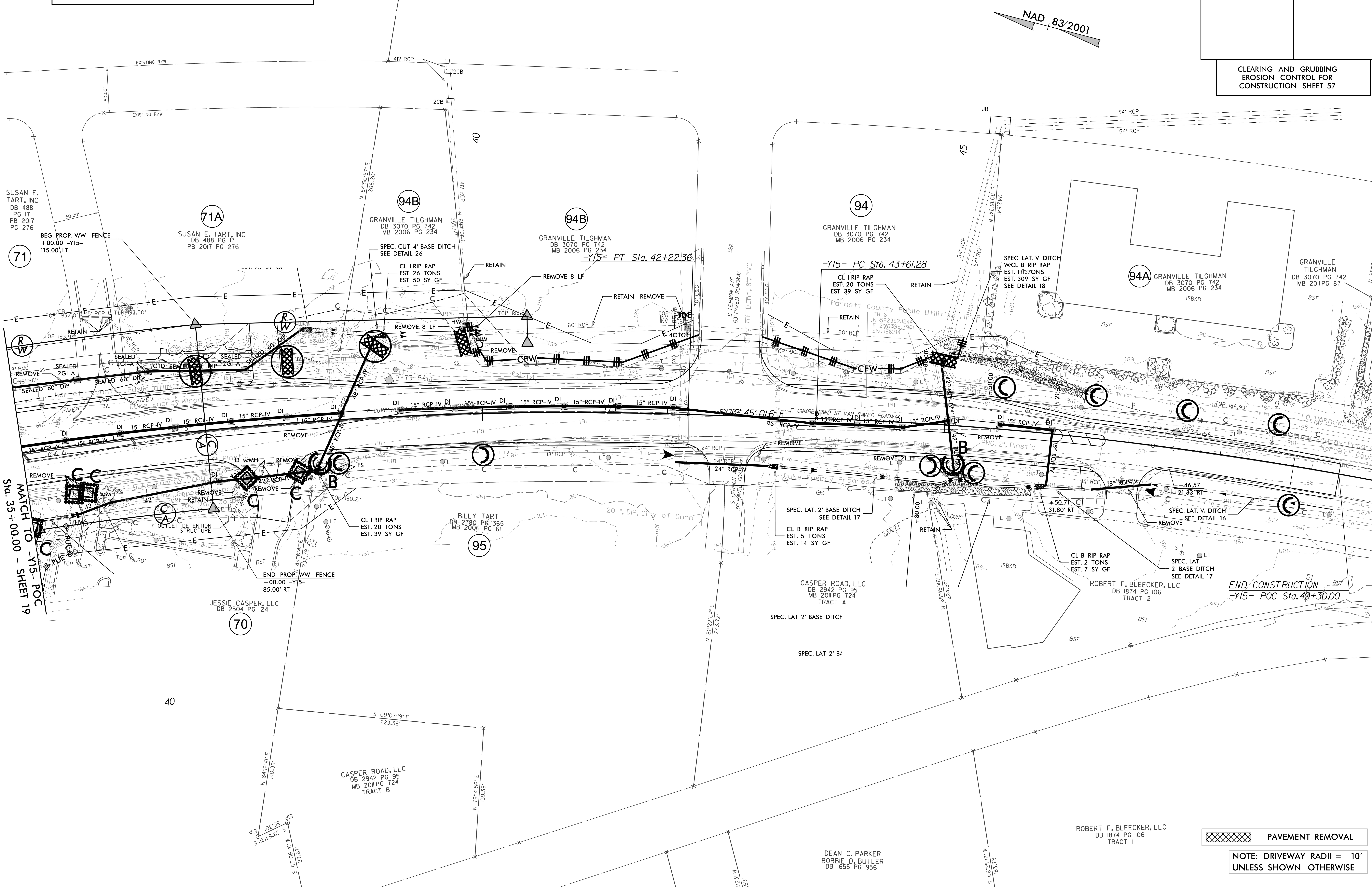
NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-57/CONST.57
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 57

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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



NAD 83/2001
EXISTING R/W
48" RCP
2CB
SUSAN E. TART, INC
DB 488 PG 17
PB 2017 PG 276
71
71A
SUSAN E. TART, INC
DB 488 PG 17
PB 2017 PG 276
BEG. PROP. WW FENCE
+00.00 -Y15-
115.00' LT
94B
GRANVILLE TILGHMAN
DB 3070 PG 742
MB 2006 PG 234
SPEC. CUT 4' BASE DITCH
SEE DETAIL 26
CL I RIP RAP
EST. 26 TONS
EST. 50 SY GF
RETAIN
REMOVE 8 LF
-Y15- PT Sta. 42+22.36
RETAIN REMOVE
94
GRANVILLE TILGHMAN
DB 3070 PG 742
MB 2006 PG 234
-Y15- PC Sta. 43+61.28
CL I RIP RAP
EST. 20 TONS
EST. 39 SY GF
SPEC. LAT. V DITCH
W/CL B RIP RAP
EST. 111 TONS
EST. 309 SY GF
SEE DETAIL 18
94A
GRANVILLE TILGHMAN
DB 3070 PG 742
MB 2006 PG 234
GRANVILLE TILGHMAN
DB 3070 PG 742
MB 2011 PG 87
CFW
15" RCP-IV
S 79° 45' 01.6" E
MATCH TO -Y15- POC
Sta. 35+00.00 - SHEET 19
OUTLET DETENTION STRUCTURE
CL I RIP RAP
EST. 20 TONS
EST. 39 SY GF
END PROP. WW FENCE
+00.00 -Y15-
85.00' RT
BILLY TART
DB 2780 PG 365
MB 2006 PG 61
95
JESSIE CASPER, LLC
DB 2504 PG 124
70
SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17
CL B RIP RAP
EST. 5 TONS
EST. 14 SY GF
CASPER ROAD, LLC
DB 2942 PG 95
MB 2011 PG 724
TRACT A
SPEC. LAT 2' BASE DITCH
CL B RIP RAP
EST. 2 TONS
EST. 7 SY GF
ROBERT F. BLEECKER, LLC
DB 1874 PG 106
TRACT 2
SPEC. LAT.
2' BASE DITCH
SEE DETAIL 17
SPEC. LAT. V DITCH
SEE DETAIL 16
+46.57
21.33' RT
+50.71
31.80' RT
END CONSTRUCTION
-Y15- POC Sta. 49+30.00
CASPER ROAD, LLC
DB 2942 PG 95
MB 2011 PG 724
TRACT B
DEAN C. PARKER
BOBBIE D. BUTLER
DB 1655 PG 956
ROBERT F. BLEECKER, LLC
DB 1874 PG 106
TRACT 1

PAVEMENT REMOVAL

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-58/CONST.58
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 58

NAD 83/2001

125 x 69 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
33 ft. weir
ID 19.4

MATCH TO -SRI2- POT Sta. 18+00.00 – SHEET 19

-SRI2- PT Sta. 17+30.42

-SRI2- PC Sta. 15+38.15

-SRI2- PT Sta. 12+26.46

-SRI2- PC Sta. 10+90.12

BEGIN CONSTRUCTION
-SRI2- POT Sta. 10+13.67

-SRI2- POT Sta. 10+00.00

98 LINDA G. BLACKMAN
DB 2011E PG 221

PLJS PROPERTIES LLC
DB 3673 PG 240

JASON CARPENTER RENTALS LLC
DB 3668 PG 030
MB 03 PG 34

THERESA J. TART&
JAMES R. PARKER
DB 2176 PG 017

CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF

SPEC. LAT. V DITCH
SEE DETAIL 22

SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17

CULTIVATED

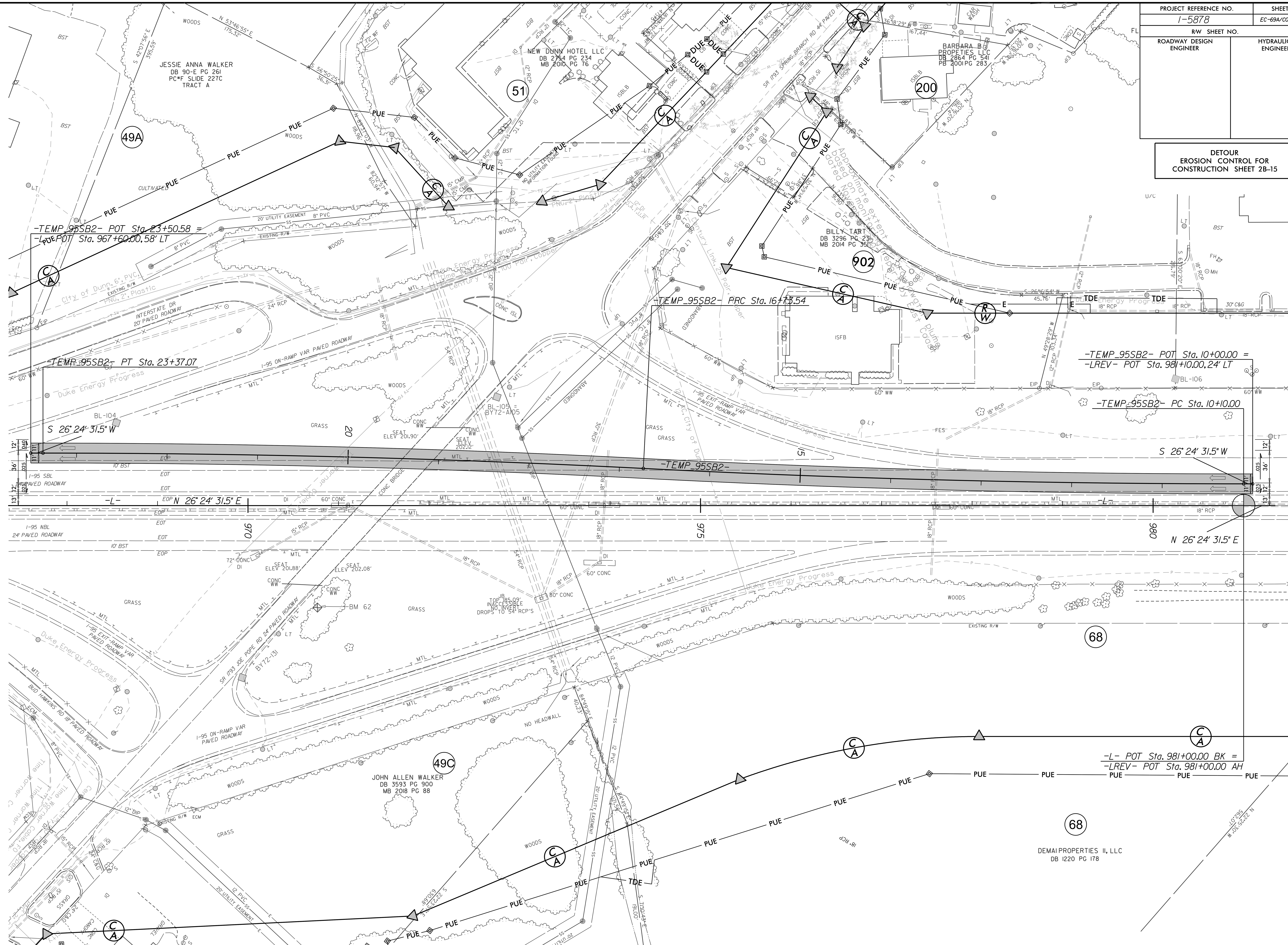
ARV In Handhole

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

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

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69A/CONST.2B-15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETOUR
EROSION CONTROL FOR
CONSTRUCTION SHEET 2B-15



JESSIE ANNA WALKER
DB 90-E PG 261
PC*F SLIDE 227C
TRACT A
NEW DUNN HOTEL LLC
DB 2754 PG 234
MB 2010 PG 76
BARBARA B PROPETIES LLC
DB 2864 PG 541
PB 2001 PG 283
BILLY TART
DB 3296 PG 231
MB 2014 PG 351
-TEMP_95SB2- POT Sta. 23+50.58 =
-L- POT Sta. 967+60.00, 58' LT
-TEMP_95SB2- PT Sta. 23+37.07
-TEMP_95SB2- PRC Sta. 16+73.54
-TEMP_95SB2- POT Sta. 10+00.00 =
-LREV- POT Sta. 981+10.00, 24' LT
-TEMP_95SB2- PC Sta. 10+10.00
S 26° 24' 31.5" W
N 26° 24' 31.5" E
-TEMP_95SB2-
-L-
I-95 SBL
I-95 NBL
24' PAVED ROADWAY
INTERSTATE DR
I-95 ON-RAMP VAR PAVED ROADWAY
I-95 EXIT-RAMP VAR PAVED ROADWAY
SR 1793 JOE POPE RD 24' PAVED ROADWAY
SR 1793 SPRING BRANCH RD 44' PAVED ROADWAY
BUD HAWKINS RD 18' PAVED ROADWAY
BL-104
BL-105
BL-106
BM 62
JOHN ALLEN WALKER
DB 3593 PG 900
MB 2018 PG 88
DEMAI PROPERTIES II, LLC
DB 1220 PG 178
-L- POT Sta. 981+00.00 BK =
-LREV- POT Sta. 981+00.00 AH
970
975
980

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69B/CONST.2B-16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETOUR
EROSION CONTROL FOR
CONSTRUCTION SHEET 2B-16

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69C/CONST 2B-17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETOUR EROSION CONTROL FOR CONSTRUCTION SHEET 2B-17

-SBCD- PRC Sta. 27+71.82

-SBCD- PC Sta. 36+51.30

-SBCD- PT Sta. 32+49.07

-SBCD- PT Sta. 39+51.59

-Y15TEMPRPB- POT Sta. 22+55.04

-Y15TEMPRPB- PT Sta. 20+49.07

-Y15TEMPRPB- PC Sta. 16+56.95

-Y15TEMPRPB- PT Sta. 11+24.19

-Y15TEMPRPB- PC Sta. 40+80.47

-LREV- CS Sta. 993+29.27

-LREV- ST Sta. 997+73.27

-Y15- POC Sta. 23+79.0

-SBCD- POT Sta. 41+46

TRANSITION TO EXISTING

RETAIN

SPEC. CUT V-DITCH SEE DETAIL 2B17-2

TEMP. 18" RCP-III TO BE REMOVED

FILL IN DITCH AND GRADE TO DRAIN TOWARDS PROPOSED BASE DITCH WHEN DETOUR REMOVED

TAIL DITCH EST. DDE 25 CY SEE DETAIL 2B17-1 LENGTH=106 LF SLOPE=0.99% TIE TO PROPOSED BASE DITCH (SEE PSH 19)

FILL IN DITCH AND GRADE TO DRAIN TOWARDS PROPOSED BASE DITCH WHEN DETOUR REMOVED

TAIL DITCH EST. DDE 410 CY SEE DETAIL 2B17-1 LENGTH=119 LF SLOPE=0.78% TIE TO PROPOSED BASE DITCH (SEE PSH 19)

FOR Y15TEMPRPB TO DRAIN PROPERLY, CONSTRUCT DRAINAGE ON -X15 UP TO STRUCTURE 5732 AS WELL AS THE BASE DITCH FLOWING FROM STRUCTURE 1979 TO STRUCTURE 1943.

CIRCLE ENTERPRISES DB 588 PG 143 MB PC*F PG 766-A

NEELAY, LLC DB 3363 PG 670 MB PC*F PG 766-A

MCRT3 DUNN LLC DB 3286 PG 759 MB 98 PG 540

CASPER ROAD, LLC DB 2942 PG 95 MB 201I PG 124 TRACT 0-3

CASPER ROAD, LLC DB 2942 PG 95 MB 201I PG 124 TRACT 0

CASPER ROAD, LLC DB 2942 PG 95 MB 201I PG 124 TRACT D

CASPER ROAD, LLC DB 2942 PG 95 MB 201I PG 124 TRACT 0

DB 2504 PG 124

TOWN OF DUNN 20' SANITARY SEWER EASEMENTS MB 98 PG 540

SR 1192 JACKSON RD 20' PAVED ROADWAY

I-95 NBL 24' PAVED ROADWAY

I-95 SBL 24' PAVED ROADWAY

I-95 ON-RAMP VAR PAVED ROADWAY

S. SAMPSON AVE PAVED ROADWAY

WHITE LINE RD. 20' DIRT

Duke Energy Progress

CenturyLink, Copper, Unknown Pair

CenturyLink, 50 Pair, Copper

BLIND JB LOCATION UNKNOWN

SANITARY SEWER MANHOLE NOT OPENED BURIED TOO DEEP

Handhole For ARV JESSIE CASPER, LLC

BL-108

BL-109

BL-99 POINT NOT SET

BM 63

N 20°13'09.3" E

S 31°42'40.5" W

N 41°43'39.4" E

S 21°24'44.6" W

N 43°59'06.7" E

S 43°59'06.7" W

S 16°02'18" W 127.46'

S 16°02'18" W 230.74'

N 14°54'52" E 220.78'

N 15°03'08" W 248.00'

S 01°07'28" W

S 30°17'52" E 204.07'

S 42°00'51" W 322.33'

S 57°39'11" W 100.00'

S 23°24'51" E 166.38'

N 66°35'49" E 300.00'

N 43°59'06.7" E 322.39'

S 43°59'06.7" W 322.39'

N 51°32'11" E 100.16'

S 51°32'11" W 100.16'

N 43°59'06.7" E

S 43°59'06.7" W

72" CMP

72" CHL

60" WW

30" C&G

18" C&G

24" CONC C&G

30" CONC C&G

66" CONC

72" CONC

24" RCP

30" RCP

18" RCP

15" RCP

15" VC

8" PVC

10" TC

4' PS

6' PS

24' (TYP.)

12' 24' (TYP.)

ISFB

2SFB

POOL

GRAVEL

WOODS

PAVED RAMP

PAVED ROADWAY

EXISTING R/W

PUE

SEAT ELEV 210.56'

SEAT ELEV 210.49'

SEAT ELEV 210.47'

SEAT ELEV 211.55'

SEAT ELEV 211.56'

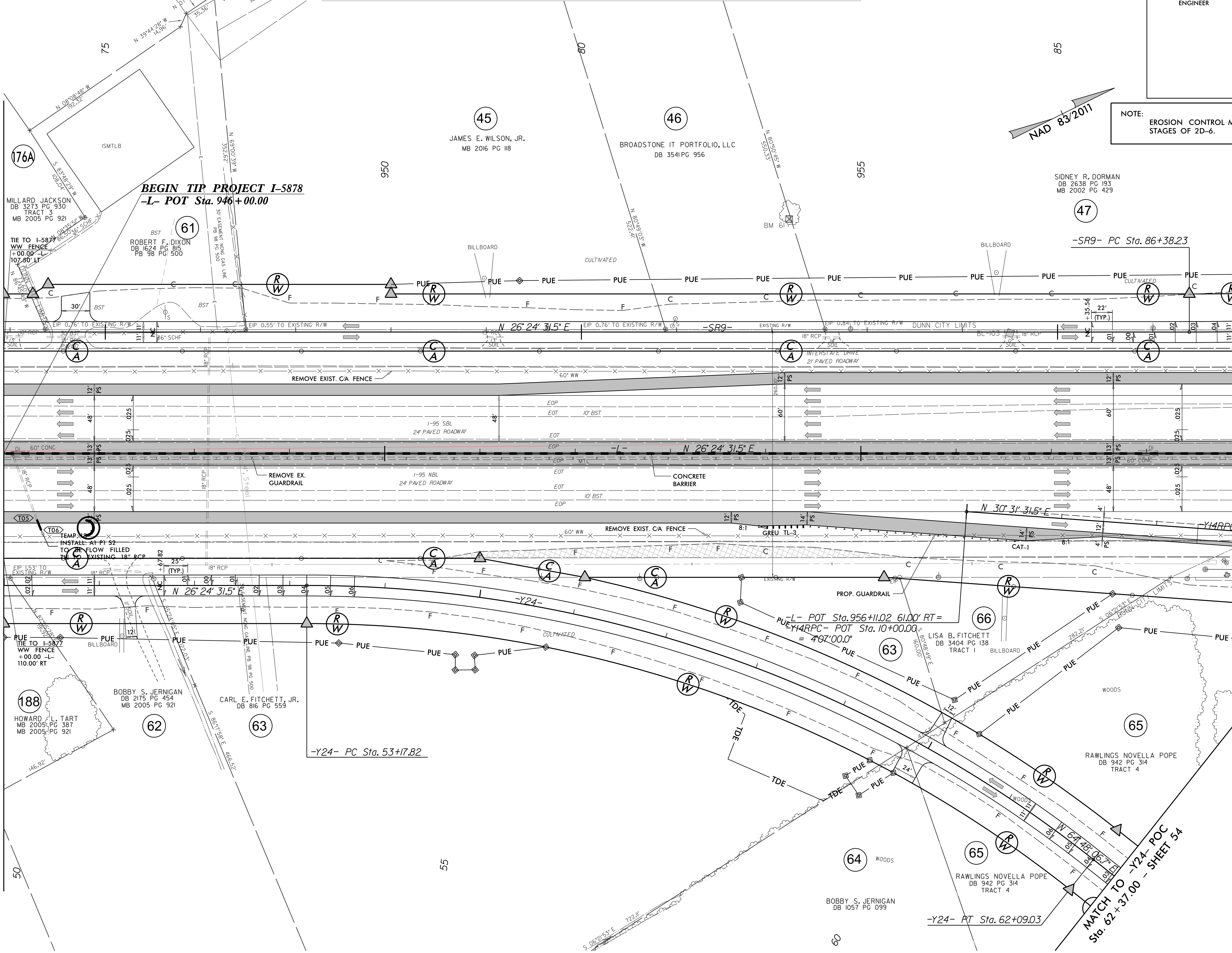
SEAT ELEV 211.52'

SEAT ELEV 211.51'

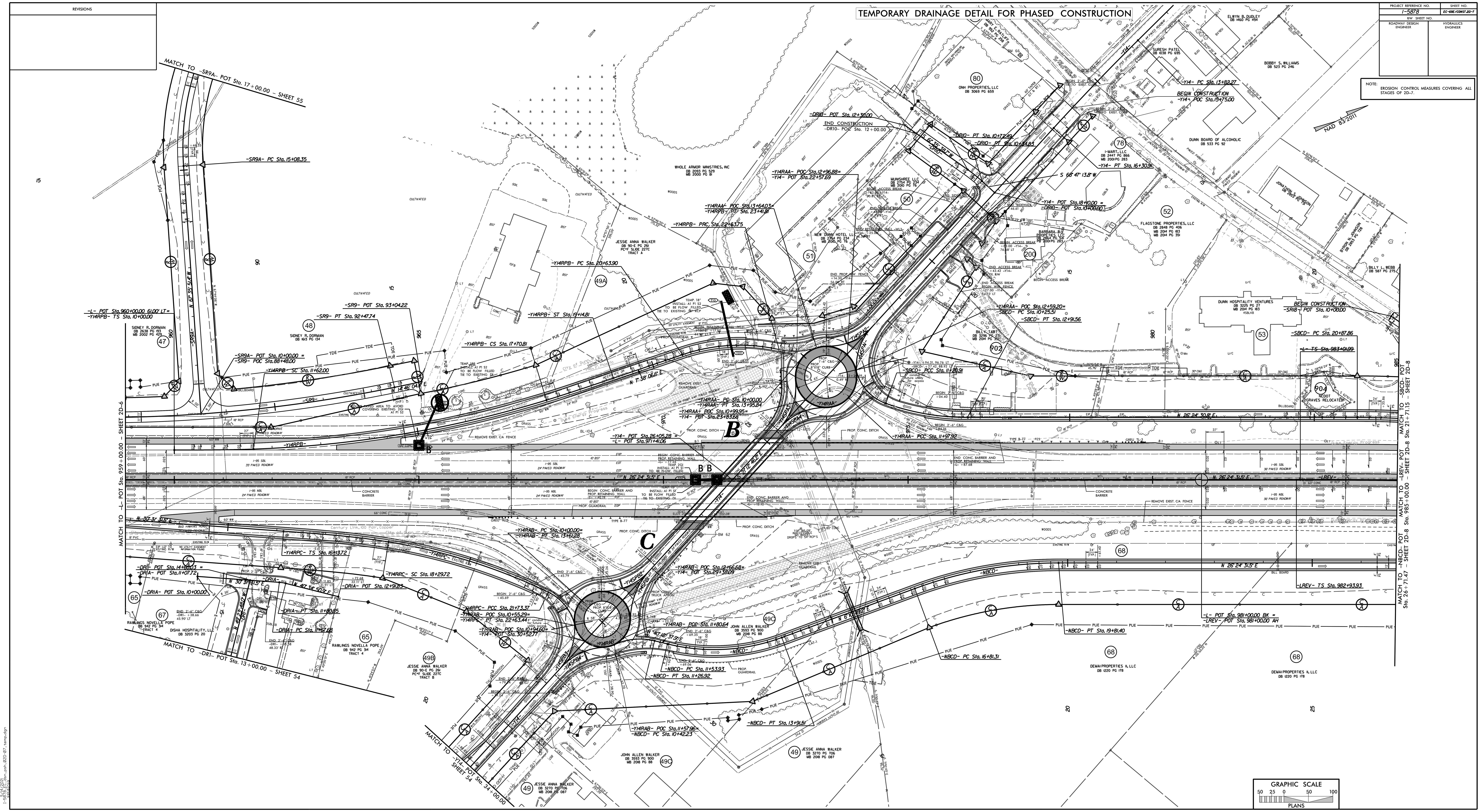
PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69D/CONST.2D-6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-6.



NAD 83/2011
BEGIN TIP PROJECT I-5878
-L- POT Sta. 946+00.00
MATCH TO -L- POT Sta. 946+00.00
MATCH TO -L- POT Sta. 959+00.00 - SHEET 2D-7
MATCH TO -Y24- POC Sta. 62+37.00 - SHEET 54
JAMES E. WILSON, JR.
MB 2016 PG 118
BROADSTONE IT PORTFOLIO, LLC
DB 3541 PG 956
SIDNEY R. DORMAN
DB 2638 PG 193
MB 2002 PG 429
MILLARD JACKSON
DB 3273 PG 930
TRACT 3
MB 2005 PG 921
ROBERT F. DIXON
DB 1624 PG 815
PB 98 PG 500
TIE TO I-5877
WW FENCE
+00.00 -L-
107.50' LT
-SR9- PC Sta. 86+38.23
N 26° 24' 31.5" E
REMOVE EXIST. C/A FENCE
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
REMOVE EX. GUARDRAIL
CONCRETE BARRIER
N 30° 31' 31.5" E
-Y14RPC-
TEMP. 12"
INSTALL A1 P1 S2
TO BE FLOW FILLED
TIE TO EXISTING 18" RCP
GREU TL-3
CAT-1
PROP. GUARDRAIL
-L- POT Sta. 956+11.02 61.00' RT =
-Y14RPC- POT Sta. 10+00.00
= 4°07'00.0"
-Y24-
TIE TO I-5877
WW FENCE
+00.00 -L-
110.00' RT
HOWARD L. TART
MB 2005 PG 387
MB 2005 PG 921
BOBBY S. JERNIGAN
DB 2175 PG 454
MB 2005 PG 921
CARL E. FITCHETT, JR.
DB 816 PG 559
-Y24- PC Sta. 53+17.82
LISA B. FITCHETT
DB 3404 PG 138
TRACT 1
RAWLINGS NOVELLA POPE
DB 942 PG 314
TRACT 4
BOBBY S. JERNIGAN
DB 1057 PG 099
-Y24- PT Sta. 62+09.03
DUNN CITY LIMITS



REVISIONS
TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION
PROJECT REFERENCE NO.
I-5878
SHEET NO.
EC-69E/CONST.2D-7
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NOTE: EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-7.
NAD 83/2011
MATCH TO -SR9A- POT Sta. 17+00.00 - SHEET 55
MATCH TO -L- POT Sta. 959+00.00 - SHEET 2D-6
MATCH TO -DR1- POT Sta. 13+00.00 - SHEET 54
MATCH TO -Y14- POT Sta. 34+00.00 SHEET 54
BEGIN CONSTRUCTION
END CONSTRUCTION
GRAPHIC SCALE
PLANS

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69F/CONST.2D-8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-8.

TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69G/CONST.2D-9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-9.

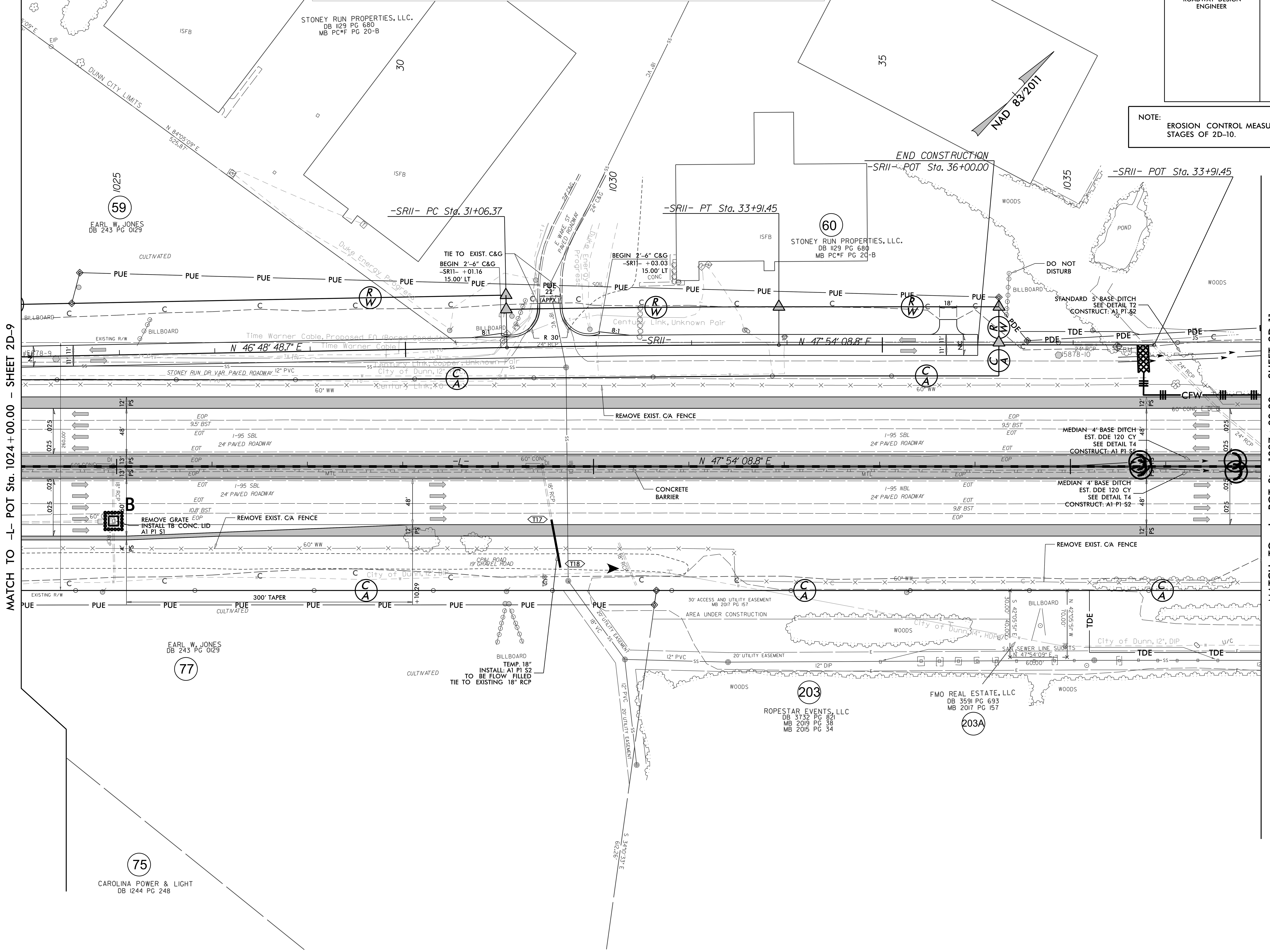
TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

REVISIONS

TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69H/CONST.2D-10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-10.



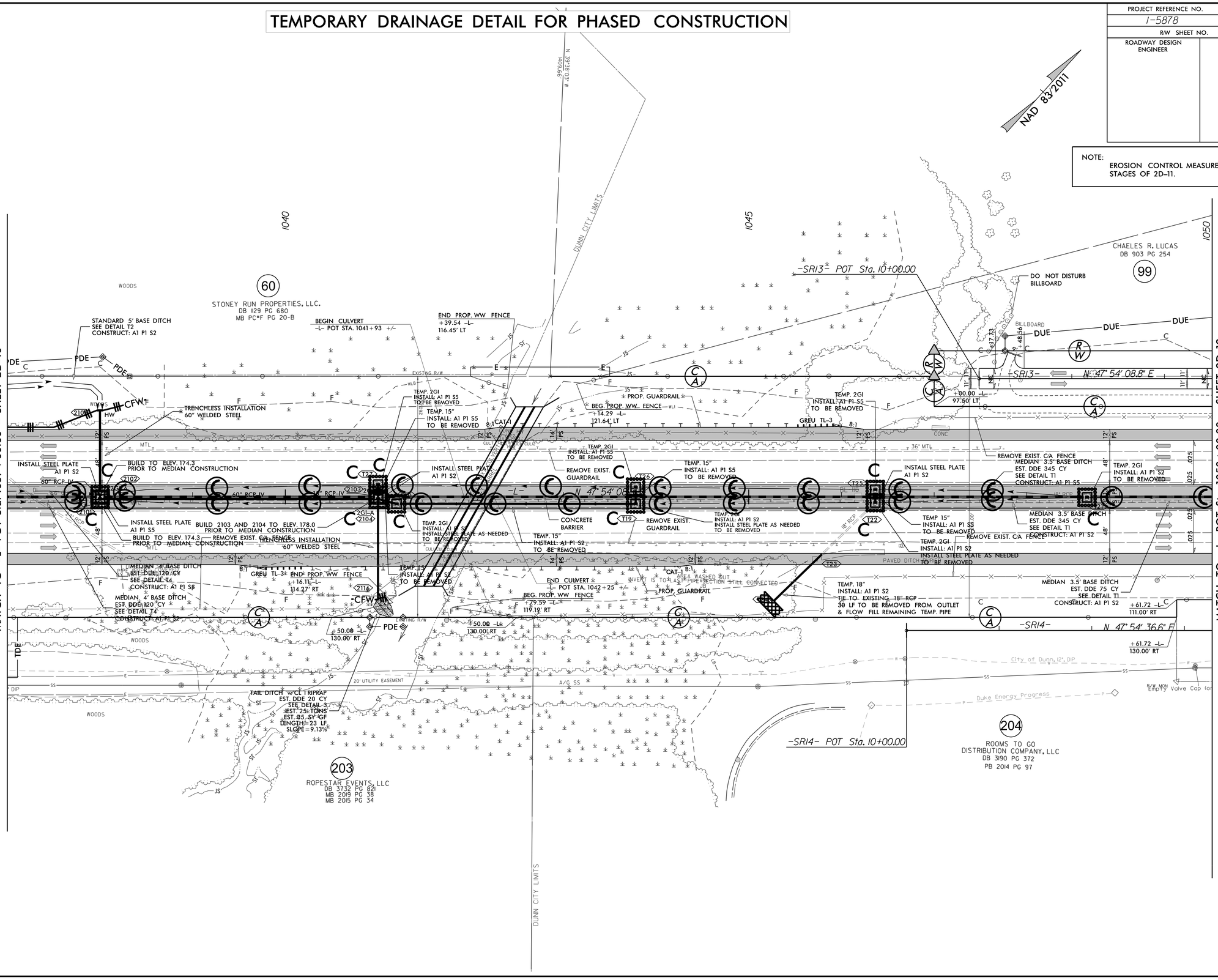
MATCH TO -L- POT Sta. 1024+00.00 - SHEET 2D-9
MATCH TO -L- POT Sta. 1037+00.00 - SHEET 2D-11
STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC*F PG 20-B
DUNN CITY LIMITS
NAD 83/2011
59
EARL W. JONES
DB 243 PG 0129
-SRII- PC Sta. 31+06.37
-SRII- PT Sta. 33+91.45
END CONSTRUCTION
-SRII- POT Sta. 36+00.00
-SRII- POT Sta. 33+91.45
60
STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC*F PG 20-B
TIE TO EXIST. C&G
BEGIN 2'-6" C&G
-SRII- +01.16
15.00' LT
BEGIN 2'-6" C&G
-SRII- +03.03
15.00' LT
DO NOT DISTURB
STANDARD 5' BASE DITCH
SEE DETAIL T2
CONSTRUCT: A1 P1 S2
N 46° 48' 48.7" E
N 47° 54' 08.8" E
STONEY RUN DR VAR PAVED ROADWAY
REMOVE EXIST. C/A FENCE
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
-L-
N 47° 54' 08.8" E
CONCRETE BARRIER
MEDIAN 4' BASE DITCH
EST. DDE 120 CY
SEE DETAIL T4
CONSTRUCT: A1 P1 S2
B
REMOVE GRATE
INSTALL TB CONC. LID
A1 P1 S1
REMOVE EXIST. C/A FENCE
T17
T18
300' TAPER
REMOVE EXIST. C/A FENCE
TEMP. 18"
INSTALL: A1 P1 S2
TO BE FLOW FILLED
TIE TO EXISTING 18" RCP
EARL W. JONES
DB 243 PG 0129
77
30' ACCESS AND UTILITY EASEMENT
AREA UNDER CONSTRUCTION
203
ROPESTAR EVENTS, LLC
DB 3732 PG 821
MB 2019 PG 38
MB 2015 PG 34
FMO REAL ESTATE, LLC
DB 3591 PG 693
MB 2017 PG 157
203A
75
CAROLINA POWER & LIGHT
DB 1244 PG 248

TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-691/CONST 2D-11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-11.

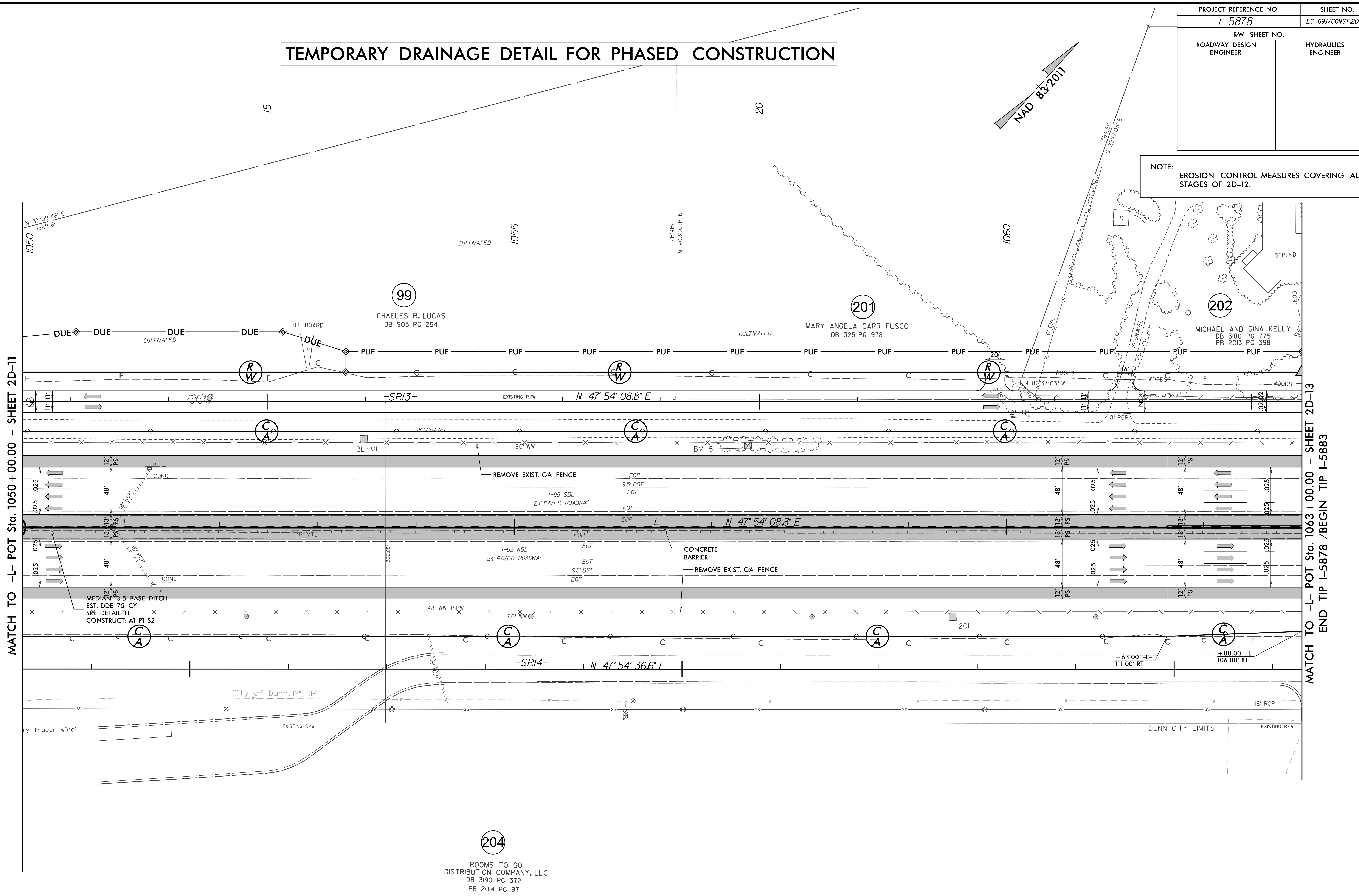
NAD 83/2011



PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-69J/CONST.2D-12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION

NOTE:
EROSION CONTROL MEASURES COVERING ALL STAGES OF 2D-12.



NAD 83/2011
CHAELES R. LUCAS
DB 903 PG 254
MARY ANGELA CARR FUSCO
DB 3251 PG 978
MICHAEL AND GINA KELLY
DB 3180 PG 775
PB 2013 PG 398
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97
MATCH TO -L- POT Sta. 1050+00.00 - SHEET 2D-11
MATCH TO -L- POT Sta. 1063+00.00 - SHEET 2D-13
END TIP I-5878 /BEGIN TIP I-5883
-SR13-
N 47° 54' 08.8" E
-L-
N 47° 54' 08.8" E
-SR14-
N 47° 54' 36.6" E
REMOVE EXIST. C/A FENCE
CONCRETE BARRIER
MEDIAN 7.5' BASE DITCH
EST. DDE 75 CY
SEE DETAIL T1
CONSTRUCT: A1 P1 S2
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
CULTIVATED
BILLBOARD
BL-101
BM 51
City of Dunn 12" DIP
DUNN CITY LIMITS
EXISTING R/W

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-82/CONST J6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

Place Matting for Erosion Control on Slope as Work Allows.
Sta. 54+00 to Sta. 59+75 –Y24– LT
Sta. 60+25 to Sta. 62+00 –Y24– LT
Sta. 53+00 to Sta. 53+50 –Y24– RT
Sta. 55+50 to Sta. 59+50 –Y24– RT

NAD 83/2011

MATCH TO –L– POT Sta. 946+00.00 – SHEET 15

MATCH TO –L– POT Sta. 959+00.00 – SHEET 17

BEGIN TIP PROJECT I-5878
–L– POT Sta. 946+00.00

-SR9- PC Sta. 86+38.23

-Y24- PC Sta. 53+17.82

-Y24- PT Sta. 62+09.03

MATCH TO –Y24– POC Sta. 62+37.00 – SHEET 54

-L- POT Sta.956+11.02 61.00' RT = -Y14RPC- POT Sta. 10+00.00 = 4°07'00.0"

43 x 88 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
14 ft. weir
ID 16.1

45 JAMES E. WILSON, JR. MB 2016 PG 118

46 BROADSTONE IT PORTFOLIO, LLC DB 3541 PG 956

47 SIDNEY R. DORMAN DB 2638 PG 193 MB 2002 PG 429

176A MILLARD JACKSON DB 3273 PG 930 TRACT 3 MB 2005 PG 921

61 ROBERT F. DIXON DB 1624 PG 915 PB 98 PG 500

62 BOBBY S. JERNIGAN DB 2175 PG 454 MB 2005 PG 921

63 CARL E. FITCHETT, JR. DB 816 PG 559

63 LISA B. FITCHETT DB 3404 PG 138 TRACT 1

64 UNKNOWN

65 RAWLINGS NOVELLA POPE DB 942 PG 314 TRACT 4

66 BOBBY S. JERNIGAN DB 1057 PG 099

188 HOWARD L. TART MB 2005 PG 387 MB 2005 PG 921

BENCH TIE SET IN 36" BEECH
BL STATION 37+54.61 21.36' LEFT
ELEV. = 198.93'
BM 61

TIE TO I-5877
WW FENCE
+00.00 –L–
107.50' LT

TIE TO I-5877
WW FENCE
+00.00 –L–
110.00' RT

I-95 SBL 24' PAVED ROADWAY

I-95 NBL 24' PAVED ROADWAY

DUNN CITY LIMITS

INTERSTATE DRIVE 21' PAVED ROADWAY

CL B RIP RAP EST. 7 TONS EST. 17 SY GF

CL B RIP RAP EST. 3 TONS EST. 9 SY GF

CL B RIP RAP EST. 22 TONS EST. 56 SY GF

CL B RIP RAP EST. 2 TONS EST. 7 SY GF

TRENCHLESS INSTALLATION 36" WELDED STEEL

FLOWABLE FILL

REMOVE EX. GUARDRAIL

CONCRETE BARRIER

PROP. GUARDRAIL

REMOVE EXIST. C/A FENCE

SPEC. LAT. 2' BASE DITCH SEE DETAIL 43

SPEC. CUT 2' BASE DITCH SEE DETAIL 17

SPEC. LAT. 3' BASE DITCH SEE DETAIL 38

SPEC. CUT 2' BASE DITCH SEE DETAIL 20

SPEC. LAT. V-DITCH SEE DETAIL 36

SPEC. CUT V-DITCH SEE DETAIL 37

SEE REVISED -L- XSC

SEE REVISED L XSC

30' EASEMENT NCNG GAS LINE PB 98 PG 500

BILLBOARD

CULTIVATED

WOODS

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-83/CONST.17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

REVISIONS

130 x 28 x 3
2.0 inch Skimmer
with 2.0 inch
Orifice Diameter
19 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 17.11

Modified Silt Basin
Type 'B'
130 x 28 x 3
19 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 17.11

160 x 45 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
28 ft. weir
ID 17.5

87 x 36 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
12 ft. weir
ID 17.6

100 x 35 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
26 ft. weir
ID 17.10

175 x 35 x 3
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
26 ft. weir
ID 17.3

66 x 32 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 17.7

158 x 30 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
18 ft. weir
ID 17.2

138 x 49 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
33 ft. weir
ID 17.12

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 11+10 to Sta. 14+00 –NBCD– LT
Sta. 16+50 to Sta. 20+00 –NBCD– LT
Sta. 11+10 to Sta. 20+50 –NBCD– RT
Sta. 10+87 to Sta. 14+70 –SBCD– LT
Sta. 10+87 to Sta. 17+20 –SBCD– RT
Sta. 16+50 to Sta. 17+00 –SR9A– LT
Sta. 20+50 to Sta. 22+00 –Y14– LT
Sta. 30+75 to Sta. 32+50 –Y14– LT
Sta. 27+50 to Sta. 28+00 –Y14– RT
Sta. 30+55 to Sta. 33+50 –Y14– RT
Sta. 19+50 to Sta. 22+50 –Y14RPB– LT
Sta. 20+50 to Sta. 22+00 –Y14RPB– RT
Sta. 17+38 to Sta. 21+75 –Y14RPC– LT
Sta. 20+29 to Sta. 22+00 –Y14RPC– RT

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-84/CONST18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

NAD 83/2011

MATCH TO –SBCD– POT Sta. 21+71.15 – SHEET 17

MATCH TO –LREV– POT Sta. 985+00.00 – SHEET 17

MATCH TO –NBCD– POT Sta. 26+71.47 – SHEET 17

MATCH TO –SBCD– POT Sta. 34+60.0 – SHEET 19

MATCH TO –LREV– POT Sta. 998+00.00 – SHEET 19

MATCH TO –NBCD– POT Sta. 38+75.00 – SHEET 19

BILLY L. WEBB
DB 587 PG 275

54 2ND BAPTIST CHURCH OF DUNN
DB 294 PG 539

CIRCLE ENTERPRISES
DB 588 PG 143
MB PC*F PG 766-A
55

NEELAY, LLC
DB 3363 PG 670
MB PC*F PG 766-A
56

DUNN HOSPITALITY VENTURES
DB 3225 PG 27
MB 2004 PG 183
53

DEMAI PROPERTIES II, LLC
DB 1220 PG 178
68

CASPER ROAD, LLC
DB 2942 PG 95
MB 2011 PG 724
TRACT D-3
69

CASPER ROAD, LLC
DB 2942 PG 95
MB 2011 PG 724
TRACT D
70

JESSIE CASPER, LLC
DB 2504 PG 124

-SRI8- PC Sta. 11+29.47

-SRI8- PT Sta. 21+37.44

-SRI8- PC Sta. 22+07.82

-SBCD- PC Sta. 24+61.47

-SBCD- PT Sta. 22+40.95

-SBCD- PT Sta. 32+49.07

-SRI8- PRC Sta. 16+70.04

-SBCD- PRC Sta. 27+71.82

-SRI8- PRC Sta. 15+23.76

=L- CS Sta. 992+86.28

-LREV- SC Sta. 987+37.93

-LREV- CS Sta. 993+29.27

-NBCD- PC Sta. 28+63.95

-NBCD- PT Sta. 38+57.49

-LREV- SC Sta. 987+45.22

2@72 x 12 x 3
ID 18.4

+46.78 –SRI8–
13.75' RT
END SF BARRIER

+07.46 –SRI8–
13.75' RT
BEG. SF BARRIER

+27.01 –SBCD–
19.75' LT
END VAR. WIDTH CONC. BARRIER
BEG. CONC. BARRIER

+49.07 –SBCD–
19.75' LT
BEG. VAR. WIDTH CONC. BARRIER
END SF BARRIER

+10.00 –SBCD–
21.17' LT
END EXP. WAY GUTTER
BEG. SF BARRIER

BEG. EXPRESSWAY GUTTER
–SBCD– +35.00
BEG./END 8"X18" CURB
–SBCD– +09.34
21.17' LT
31.06' LT

+19.42 –SBCD–
19.75' LT
END CONC. BARRIER
–SBCD– +16.00
28.69' LT

PROP. 3"CONC. ISLAND COVER 3:1 SLOPE BETWEEN B.O.C. AND FULL HEIGHT OF SF BARRIER

PORTION OF EXISTING DITCH BEING RETAINED TO SEPERATE OVERLAND FLOW FROM ENTERING PROPOSED ROADWAY DITCH.

DO NOT DISTURB

REMOVE +34.92 –SRI8– 13.75' RT

END CONC. BARRIER

REMOVE EXIST. GUARDRAIL

FLOWABLE FILL

CONCRETE BARRIER

TRENCHLESS INSTALLATION 30" WELDED STEEL

REMOVE EXIST. C/A FENCE

SPEC. CUT V-DITCH SEE DETAIL 1

SPEC. CUT V-DITCH SEE DETAIL 28

SPEC. CUT 2' BASE DITCH SEE DETAIL 34

LAT. 2' BASE DITCH SEE DETAIL 12

CL B RIP RAP EST. 2 TONS EST. 7 SY GF

CL B RIP RAP EST. 8 TONS EST. 21 SY GF

REMOVE EXIST. SIGNS

GRADE TO DRAIN (GTD)

–LREV– SHOULDER BERM GUTTER (SBG) FROM STA. 995+15 –LREV– ST TO BEGIN BRIDGE

Handhole For Any Duke Energy Progress, Century Link, Cooper, Unknown Pair

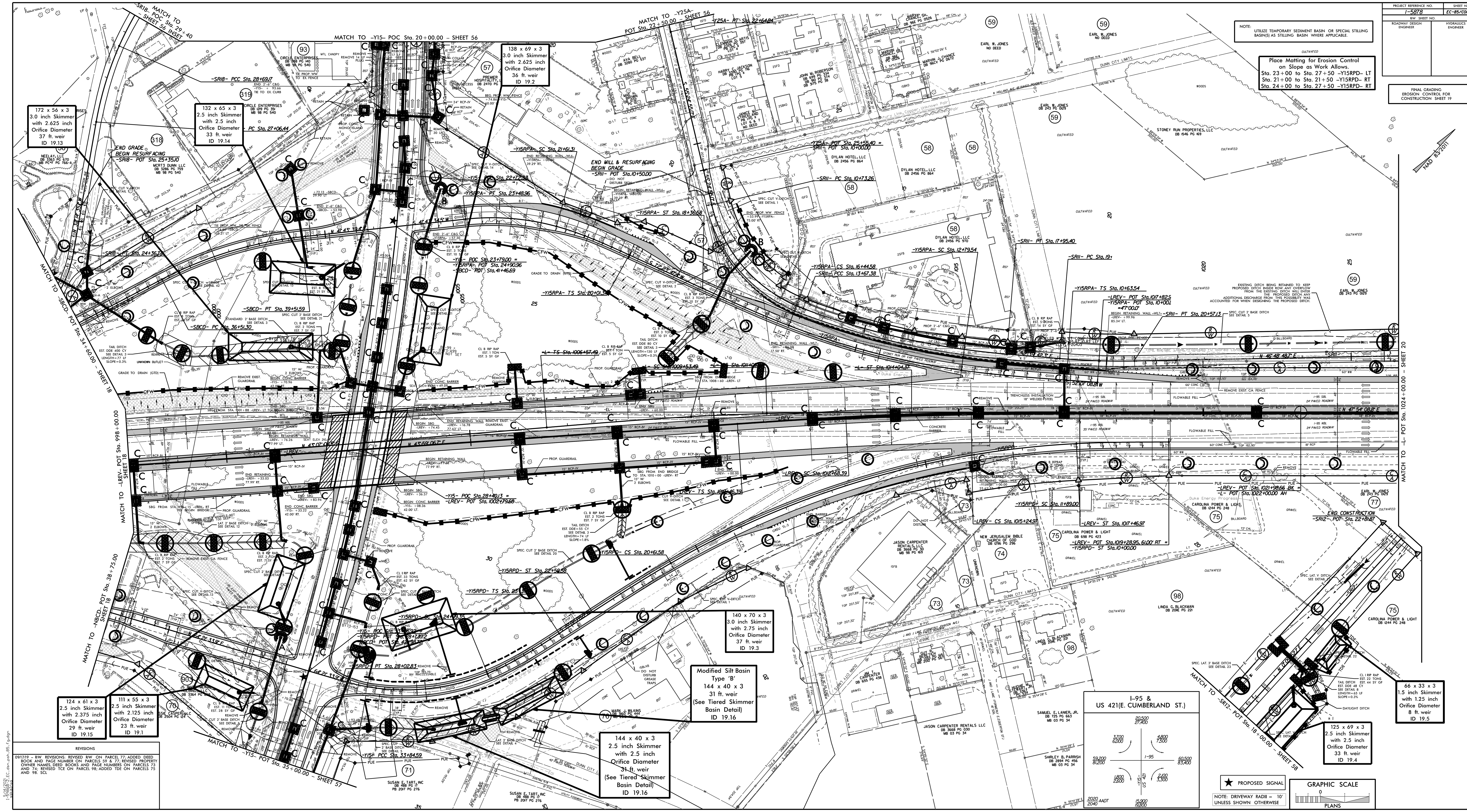
Duke Energy Progress

Century Link, Cooper, Unknown Pair

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

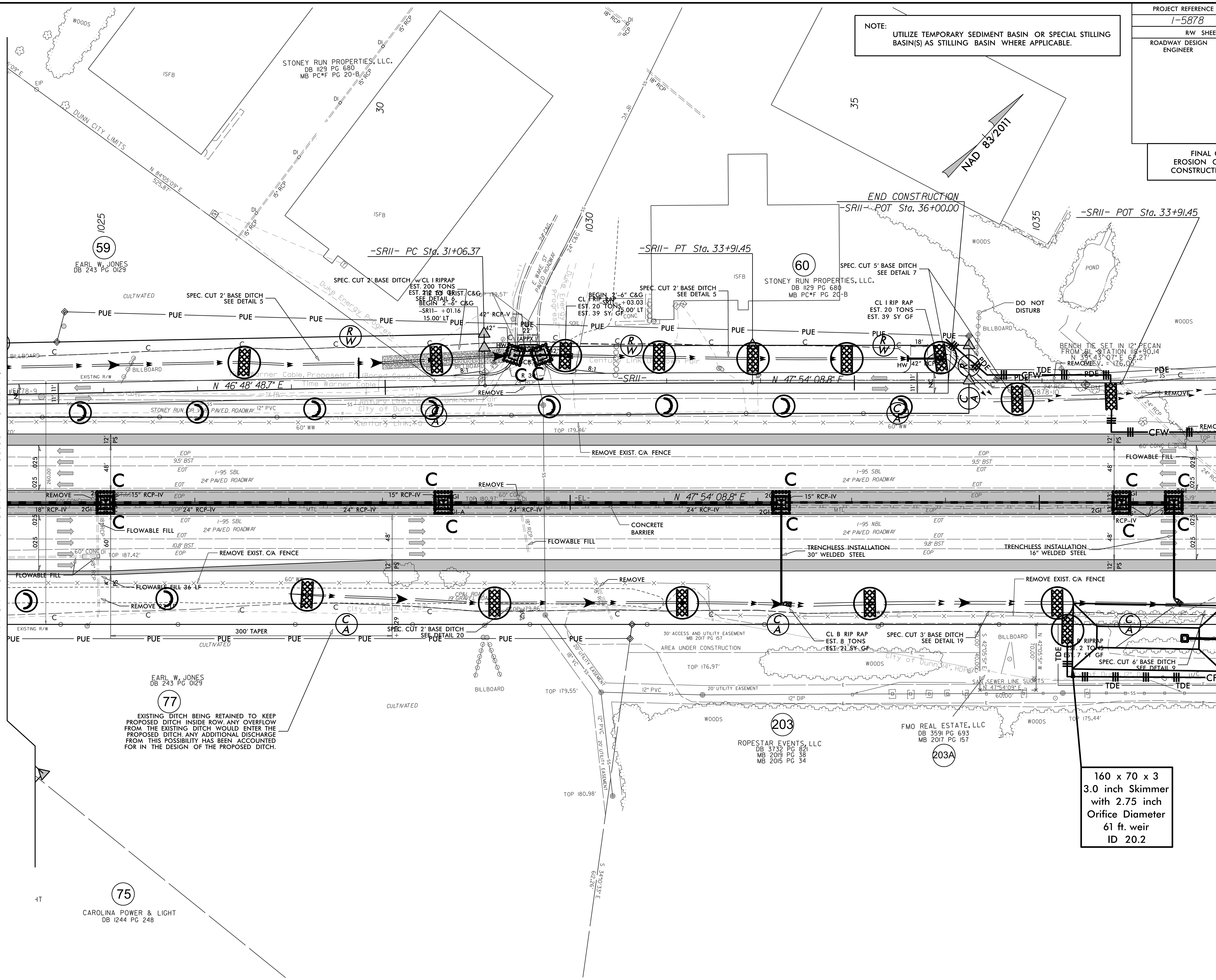
Place Matting for Erosion Control on Slope as Work Allows.
Sta. 28+50 to Sta. 29+00 –NBCD– LT


PROJECT REFERENCE NO.
I-5878
SHEET NO.
EC-85/CONST.19
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.
Place Matting for Erosion Control on Slope as Work Allows.
Sta. 23+00 to Sta. 27+50 –Y15RPD– LT
Sta. 21+00 to Sta. 21+50 –Y15RPD– RT
Sta. 24+00 to Sta. 27+50 –Y15RPD– RT
FINAL GRADING EROSION CONTROL FOR CONSTRUCTION SHEET 19
MATCH TO -Y15- POC Sta. 20+00.00 - SHEET 56
MATCH TO -Y25A- POT Sta. 22+50.00 - SHEET 56
MATCH TO -L- POT Sta. 1024+00.00 - SHEET 20
MATCH TO -SR12- POT Sta. 18+00.00 - SHEET 58
MATCH TO -Y15- POT Sta. 35+00.00 - SHEET 57
MATCH TO -NBCD- POT Sta. 38+75.00 - SHEET 18
MATCH TO -LREV- POT Sta. 998+00.00 - SHEET 18
MATCH TO -SBCD- POT Sta. 34+60.00 - SHEET 18
172 x 56 x 3
3.0 inch Skimmer
with 2.625 inch
Orifice Diameter
37 ft. weir
ID 19.13
132 x 65 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
33 ft. weir
ID 19.14
138 x 69 x 3
3.0 inch Skimmer
with 2.625 inch
Orifice Diameter
36 ft. weir
ID 19.2
140 x 70 x 3
3.0 inch Skimmer
with 2.75 inch
Orifice Diameter
37 ft. weir
ID 19.3
Modified Silt Basin
Type "B"
144 x 40 x 3
31 ft. weir
(See Tiered Skimmer Basin Detail)
ID 19.16
144 x 40 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
31 ft. weir
(See Tiered Skimmer Basin Detail)
ID 19.16
124 x 61 x 3
2.5 inch Skimmer
with 2.375 inch
Orifice Diameter
29 ft. weir
ID 19.15
111 x 55 x 3
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
23 ft. weir
ID 19.1
66 x 33 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 19.5
125 x 69 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
33 ft. weir
ID 19.4
I-95 &
US 421(E. CUMBERLAND ST.)
20,500 / 27,400
3,700 / 6,000
4,800 / 7,500
59,200 / 81,200
I-95
60,500 / 83,400
1,800 / 2,600
-Y15- US 421
2,100 / 3,300
2020 / 2040 AADT
15,900 / 19,800
PROPOSED SIGNAL
NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE
GRAPHIC SCALE
0
PLANS
REVISIONS
09/17/19 – R/W REVISIONS: REVISED R/W ON PARCEL 77; ADDED DEED BOOK AND PAGE NUMBER ON PARCELS 59 & 77; REVISED PROPERTY OWNER NAMES, DEED BOOKS AND PAGE NUMBERS ON PARCELS 73 AND 74; REVISED TCE ON PARCEL 98; ADDED TDE ON PARCELS 75 AND 98. SCL
5/14/2021
I-5986B-2_EC_dsn_psh_85_fg.dgn
sskalnig

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-86/CONST.20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

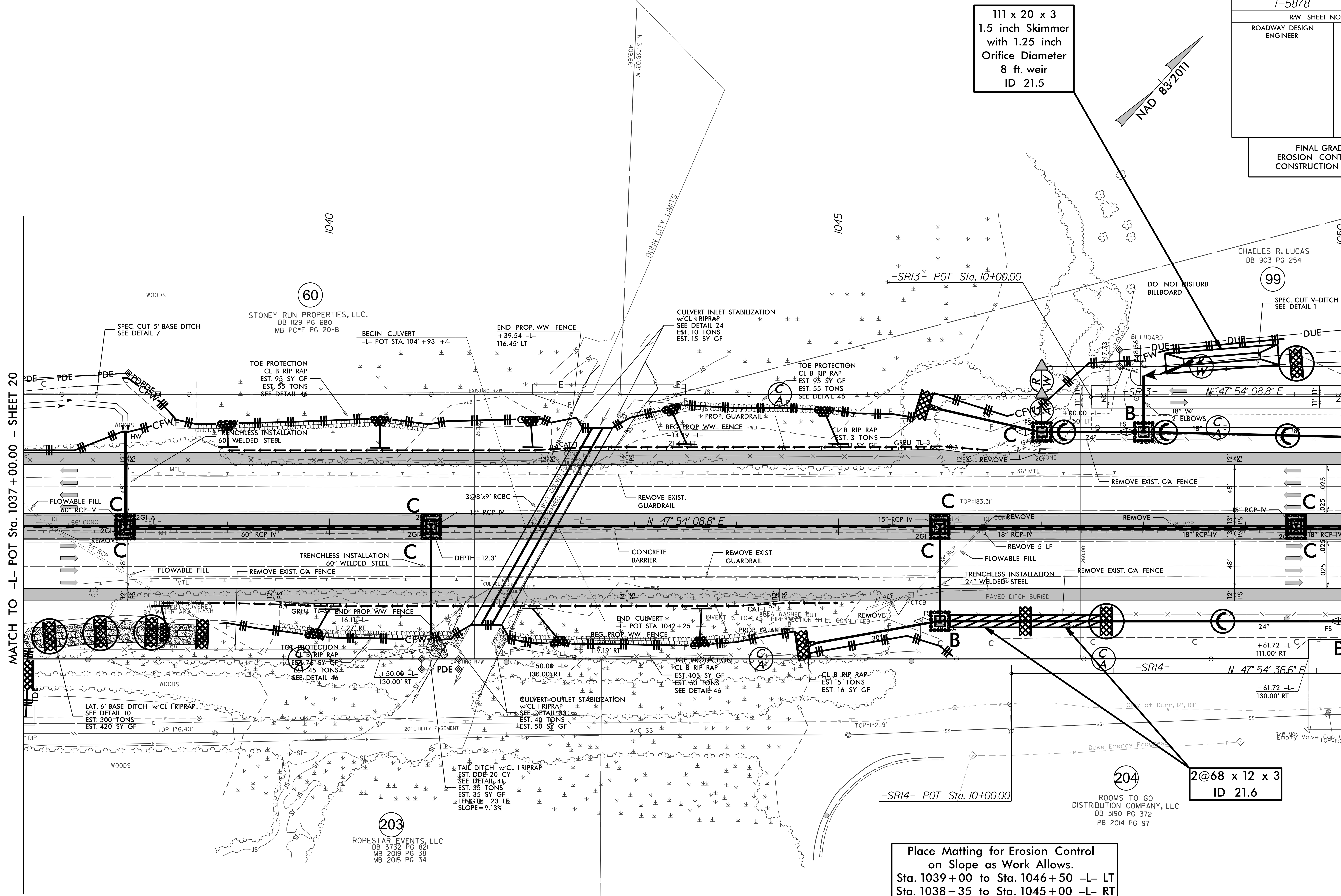
NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



MATCH TO -L- POT Sta. 1024+00.00 - SHEET 19
MATCH TO -L- POT Sta. 1037+00.00 - SHEET 21
NAD 83/2011
STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC#F PG 20-B
EARL W. JONES
DB 243 PG 0129
CAROLINA POWER & LIGHT
DB 1244 PG 248
ROPESTAR EVENTS, LLC
DB 3732 PG 821
MB 2019 PG 38
MB 2015 PG 34
FMO REAL ESTATE, LLC
DB 3591 PG 693
MB 2017 PG 157
END CONSTRUCTION
-SRII- POT Sta. 36+00.00
-SRII- PC Sta. 31+06.37
-SRII- PT Sta. 33+91.45
-SRII- POT Sta. 33+91.45
N 46° 48' 48.7" E
N 47° 54' 08.8" E
DUNN CITY LIMITS
SPEC. CUT 2' BASE DITCH SEE DETAIL 5
SPEC. CUT 5' BASE DITCH SEE DETAIL 7
SPEC. CUT 2' BASE DITCH SEE DETAIL 20
SPEC. CUT 3' BASE DITCH SEE DETAIL 19
SPEC. CUT 6' BASE DITCH SEE DETAIL 9
CL I RIP RAP EST. 20 TONS EST. 39 SY GF
CL B RIP RAP EST. 8 TONS EST. 21 SY GF
DO NOT DISTURB
REMOVE EXIST. C/A FENCE
CONCRETE BARRIER
FLOWABLE FILL
TRENCHLESS INSTALLATION 30" WELDED STEEL
TRENCHLESS INSTALLATION 16" WELDED STEEL
I-95 SBL 24' PAVED ROADWAY
I-95 NBL 24' PAVED ROADWAY
300' TAPER
AREA UNDER CONSTRUCTION
30' ACCESS AND UTILITY EASEMENT MB 2017 PG 157
20' UTILITY EASEMENT
EXISTING DITCH BEING RETAINED TO KEEP PROPOSED DITCH INSIDE ROW. ANY OVERFLOW FROM THE EXISTING DITCH WOULD ENTER THE PROPOSED DITCH. ANY ADDITIONAL DISCHARGE FROM THIS POSSIBILITY HAS BEEN ACCOUNTED FOR IN THE DESIGN OF THE PROPOSED DITCH.
160 x 70 x 3
3.0 inch Skimmer
with 2.75 inch
Orifice Diameter
61 ft. weir
ID 20.2

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-87/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21



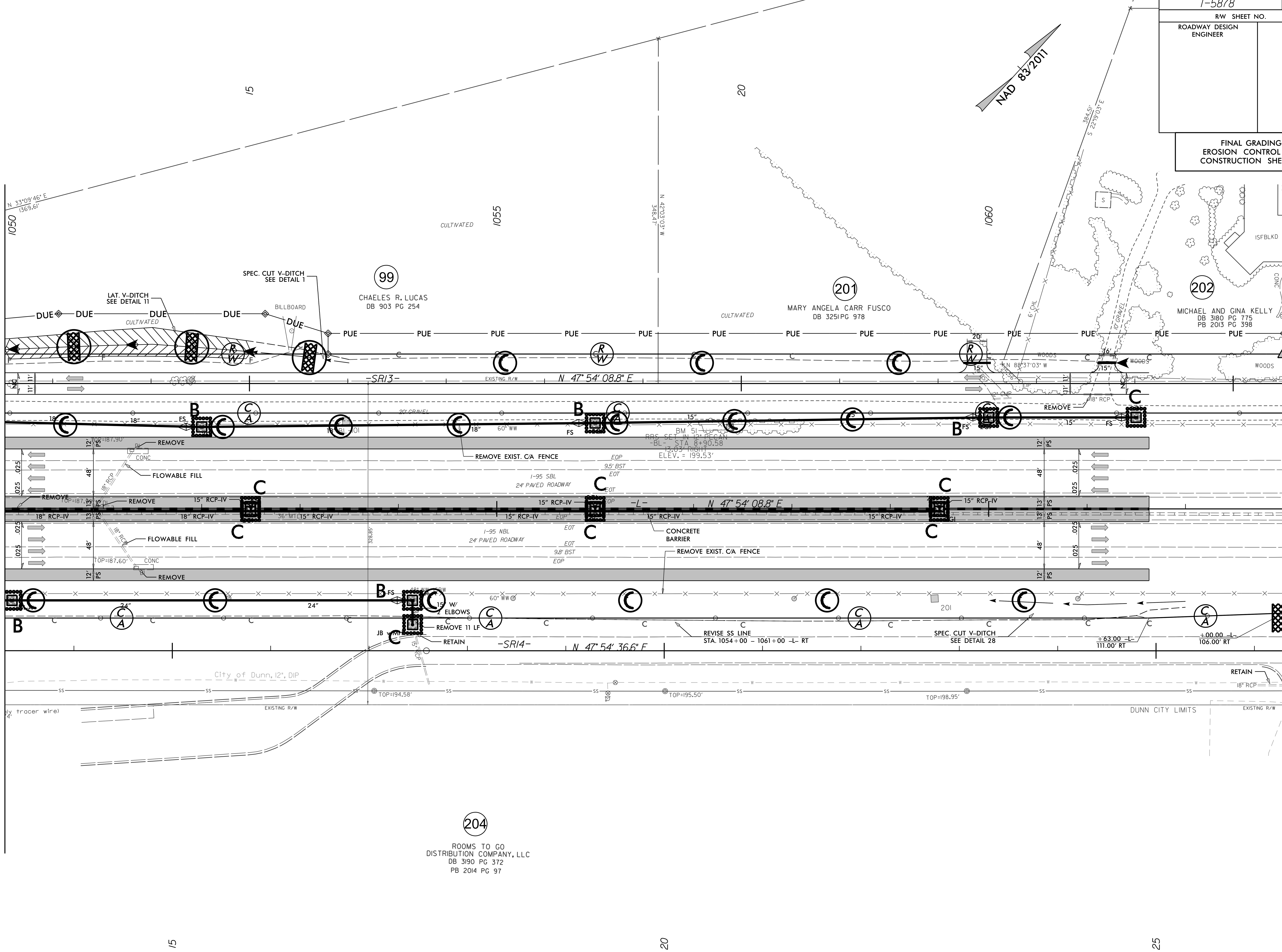
111 x 20 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 21.5
NAD 83/2011
MATCH TO -L- POT Sta. 1037+00.00 - SHEET 20
MATCH TO -L- POT Sta. 1050+00.00 - SHEET 22
STONEY RUN PROPERTIES, LLC.
DB 1129 PG 680
MB PC*F PG 20-B
CHAELES R. LUCAS
DB 903 PG 254
DO NOT DISTURB BILLBOARD
SPEC. CUT V-DITCH SEE DETAIL 1
SPEC. CUT 5' BASE DITCH SEE DETAIL 7
BEGIN CULVERT -L- POT STA. 1041+93 +/-
END PROP. WW FENCE +39.54 -L- 116.45' LT
CULVERT INLET STABILIZATION w/CL I RIPRAP SEE DETAIL 24 EST. 10 TONS EST. 15 SY GF
TOE PROTECTION CL B RIP RAP EST. 95 SY GF EST. 55 TONS SEE DETAIL 46
TRENCHLESS INSTALLATION 60" WELDED STEEL
-SRI3- POT Sta. 10+00.00
-SRI3- N 47° 54' 08.8" E
-L- N 47° 54' 08.8" E
3@8'x9' RCBC
REMOVE EXIST. GUARDRAIL
CONCRETE BARRIER
REMOVE EXIST. C/A FENCE
FLOWABLE FILL
DEPTH=12.3'
TRENCHLESS INSTALLATION 24" WELDED STEEL
END CULVERT -L- POT STA. 1042+25
LAT. 6' BASE DITCH w/CL I RIPRAP SEE DETAIL 10 EST. 300 TONS EST. 420 SY GF
CULVERT OUTLET STABILIZATION w/CL I RIPRAP SEE DETAIL 32 EST. 40 TONS EST. 50 SY GF
TAIL DITCH w/CL I RIPRAP EST. DDE 20 CY SEE DETAIL 41 EST. 35 TONS EST. 35 SY GF LENGTH=23 LF SLOPE=9.13%
CL B RIP RAP EST. 5 TONS EST. 16 SY GF
-SRI4- N 47° 54' 36.6" E
-SRI4- POT Sta. 10+00.00
2@68 x 12 x 3
ID 21.6
ROPESTAR EVENTS, LLC
DB 3732 PG 821
MB 2019 PG 38
MB 2015 PG 34
ROOMS TO GO DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97
DUNN CITY LIMITS
Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 1039+00 to Sta. 1046+50 -L- LT
Sta. 1038+35 to Sta. 1045+00 -L- RT

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-8B/CONST.22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22



NAD 83/2011
MATCH TO -L- POT Sta. 1050+00.00 - SHEET 21
MATCH TO -L- POT Sta. 1063+00.00 - SHEET 23
99
CHAELES R. LUCAS
DB 903 PG 254
201
MARY ANGELA CARR FUSCO
DB 3251PG 978
202
MICHAEL AND GINA KELLY
DB 3180 PG 775
PB 2013 PG 398
204
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97
LAT. V-DITCH
SEE DETAIL 11
SPEC. CUT V-DITCH
SEE DETAIL 1
BILLBOARD
CULTIVATED
-SR13-
N 47° 54' 08.8" E
-L-
N 47° 54' 08.8" E
-SR14-
N 47° 54' 36.6" E
I-95 SBL
24' PAVED ROADWAY
I-95 NBL
24' PAVED ROADWAY
REMOVE EXIST. C/A FENCE
FLOWABLE FILL
CONCRETE
BARRIER
15" RCP-IV
18" RCP-IV
BM 51
ELEV. = 199.53'
REMOVE 11 LF
RETAIN
REVISE SS LINE
STA. 1054+00 - 1061+00 -L- RT
SPEC. CUT V-DITCH
SEE DETAIL 28
+63.00 -L-
111.00' RT
+00.00 -L-
106.00' RT
City of Dunn, 12", DIP
TOP=194.58'
TOP=195.50'
TOP=198.95'
DUNN CITY LIMITS
EXISTING R/W
WOODS
15
20
25
1050
1055
1060

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-120/CONST.54
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 54

NAD 83/2011

MATCH TO -Y14- POT
Sta. 34+00.00 - SHEET 17

-Y14- PC Sta. 35+32.83

-Y14- POT Sta. 38+09.27 =
-Y24- POT Sta.69+65.13

-Y14- PT Sta. 38+81.34

2@72 x 12 x 3
ID 54.4

-Y24- POT Sta. 69+65.13

-Y24- POT 69+53.13
END CONSTRUCTION

2@49 x 12 x 3
ID 54.3

2@64 x 12 x 3
ID 54.2

END CONSTRUCTION
-Y14- POT Sta.44+25.00

-Y14- POT Sta. 46+81.23

46 x 92 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
16 ft. weir
ID 54.1

-DRI- PC Sta. 10+39.90

-DRI- POT Sta.10+00.00 =
-Y24- POT Sta.65+49.06

-DRI- PT Sta. 11+24.37

MATCH TO -DRI- POT
Sta. 13+00.00 - SHEET 17

MATCH TO -Y24- POT Sta. 62+20.00 - SHEET 16

DUNN CITY LIMITS

81 DUNN COMMERCE PARK, LLC
DB 2533 PG 736
PC*F SLIDE 82-B

82 WINCOR PROPERTIES, LLC
DB 2457 PG 865
TRACT 22

49 JESSIE ANNA WALKER
DB 3270 PG 706
MB 2018 PG 087

49B JESSIE ANNA WALKER
DB 90-E PG 261
PC*F SLIDE 227C
TRACT B

83 RANDY B. EMANUEL, SR
DB 2423 PG 241
PC *F SLIDE 135-D

84 KAM LEASING, LLC
DB 2646 PG 45

85 KILVET A. CABRERA
DB 3329 PG 704
MB 2006 PG 604

65 RAWLINGS NOVELLA POPE
DB 942 PG 314
TRACT 4

67 DISHA HOSPITALITY, LLC
DB 3203 PG 20

SPEC. LAT. V DITCH
SEE DETAIL 16

SPEC. LAT. V DITCH
SEE DETAIL 22

SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17

CL B RIP RAP
EST. 5 TONS
EST. 14 SY GF

CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF

CL B RIP RAP
EST. 11 TONS
EST. 28 SY GF

CL B RIP RAP
EST. 2 TONS
EST. 7 SY GF

BEGIN 2'-6" C&G
-Y24- +80.45
15.00' LT

BEGIN 2'-6" C&G
-Y24- +97.66
15.00' LT

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-121/CONST.55
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 55

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 17+00 to Sta. 20+50 –SR9A– LT
Sta. 17+00 to Sta. 20+00 –SR9A– RT

52 x 26 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 55.2

96 x 48 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
17 ft. weir
ID 55.1

NAD 83/2011

JAMES O. MCNEILL
DB 2109 PG 566

LULA M WILLIAMS
DB 1960 PG 836

WALTER L SMITH
DB 868 PG 212

BRANDY RANDOLPH HOBSON
& ALEXIS JADE HOBSON
DB 3369 PG 650

COURTNEY E STARING
& RAFEAL MEJI-NIETO
DB 3395 PG 378

WANDA HUDSON
DB 2744 PG 774

205
BILLY N TART
DB 1406 PG 117

CITY OF DUNN
DB 1213 PG 427

97
WHOLE ARMOR MINISTRIES INC
DB 2093 PG 529

48
SIDNEY R. DORMAN
DB 1613 PG 134

47
SIDNEY R. DORMAN
DB 2638 PG 193
MB 2002 PG 429

SR 1792 JACKSON RD 22' PAVED ROADWAY

END CONSTRUCTION
-SR9A- POT Sta. 27+78.86

-SR9A- POT Sta. 27+89.96

-SR9A- PT Sta. 24+39.96

-SR9A- PC Sta. 22+65.22

-SR9A- PT Sta. 19+63.99

MATCH TO -SR9A- POT Sta. 17+00.00 – SHEET 17

SPEC. CUT V DITCH
SEE DETAIL 27

SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17

SPEC. LAT. V DITCH
SEE DETAIL 16

CL I RIP RAP
EST. 33 TONS
EST. 62 SY GF

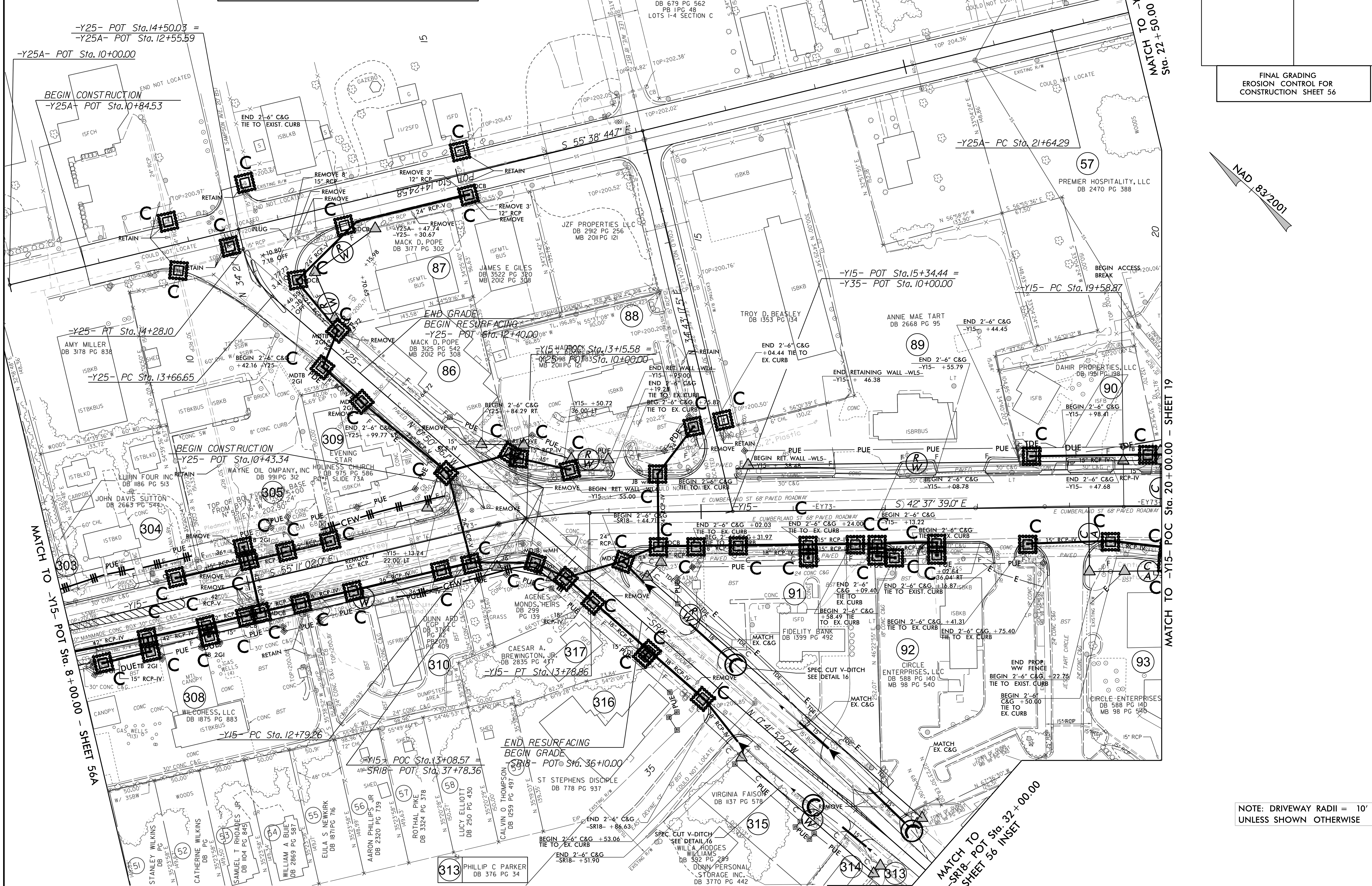
NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-122/CONST.56

R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 56

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



-Y25- POT Sta.14+50.03 =
-Y25A- POT Sta.12+55.59
-Y25A- POT Sta.10+00.00
BEGIN CONSTRUCTION
-Y25A- POT Sta.10+84.53
S 55° 38' 44.7" E
-Y25A- PC Sta.21+64.29
NAD 83/2001
MATCH TO -Y25A- POC Sta. 22+50.00 - SHEET 19
DON J. JOHNSON AND JOAN JOHNSON
JAMES D. MCNEIL
PREMIER HOSPITALITY, LLC
JZF PROPERTIES LLC
MACK D. POPE
JAMES E GILES
TROY D. BEASLEY
ANNIE MAE TART
DAHIR PROPERTIES, LLC
-Y15- POT Sta.15+34.44 =
-Y35- POT Sta.10+00.00
-Y15- PC Sta.19+58.87
-Y25- PT Sta.14+28.10
-Y25- PC Sta.13+66.65
END GRADE
BEGIN RESURFACING
-Y25- POT Sta.12+40.00
AMY MILLER
BEGIN CONSTRUCTION
-Y25- POT Sta.10+43.34
WAYNE OIL COMPANY, INC
EVENING STAR HOLINESS CHURCH
LUHN FOUR INC
JOHN DAVIS SUTTON
S 42° 37' 39.0" E
E CUMBERLAND ST 68' PAVED ROADWAY
MATCH TO -Y15- POC Sta. 20+00.00 - SHEET 19
MATCH TO -Y15- POT Sta. 8+00.00 - SHEET 56A
FIDELITY BANK
CIRCLE ENTERPRISES, LLC
CIRCLE ENTERPRISES
AGENES MONDS, HEIRS
CAESAR A. BREWINGTON, JR.
DUNN ARD
WILCOHESS, LLC
-Y15- PT Sta.13+78.86
-Y15- PC Sta.12+79.26
-Y15- POC Sta.13+08.57 =
-SR18- POT Sta.37+78.36
END RESURFACING
BEGIN GRADE
-SR18- POT Sta.36+10.00
ST STEPHENS DISCIPLE
VIRGINIA FAISON
WILLA HODGES WILLIAMS
DUNN PERSONAL STORAGE INC.
SPEC. CUT V-DITCH SEE DETAIL 16
PHILLIP C PARKER
STANLEY WILKINS
CATHERINE WILKINS
SAMUEL T RHOADES JR
WILLIAM A BUIE
EULA S NEWKIRK
AARON PHILLIPS JR
ROTHAL PIKE
LUCY ELLIOTT
CALVIN O THOMPSON
MATCH TO -SR18- POT Sta. 32+00.00 - SHEET 56 INSET

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-122A/CONST.56A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 56A

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NAD 83/2001

MATCH TO -Y15- POT Sta. 8+00.00 - SHEET 56

-Y34- POT Sta. 15+00.00

END RESURFACING
-Y34- POT Sta. 13+02.00

BEGIN RESURFACING
-Y15- POT Sta. 1+45.00

-Y15- POT Sta. 0+71.35

-Y15- POT Sta. 1+85.29 =
-Y34- POT Sta. 12+61.78

BEGIN RESURFACING
-Y34- POT Sta. 10+50.00

-Y34- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y15- POT Sta. 5+34.00

WINCOR PROPERTIES LLC

MARGIE G GODWIN

ST JOHNS BAPTIST CHURCH

WILCOHESS, LLC

KIMBERLY PRESSLEY

RONALD L ALLEN

JOHN W. BUTLER

LETITIA R MAYNOR

ROSCOE CALDWELL

RODNEY J COY

JOE BENNETT

JUDY WALKER

SAMUEL T RHOADES JR

SHEET 56 INSET

MCRT3 DUNN LLC
DB 3286 PG 759
MB 98 PG 540

PHILLIP C PARKER
DB 376 PG 34

MATCH TO -SR18- POT
Sta. 32+00.00 - SHEET 56

-SR18- PT Sta. 30+69.17

N 04°41'56" W

MATCH TO -SR18- POC
Sta. 29+40.00 - SHEET 19

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-123/CONST.57

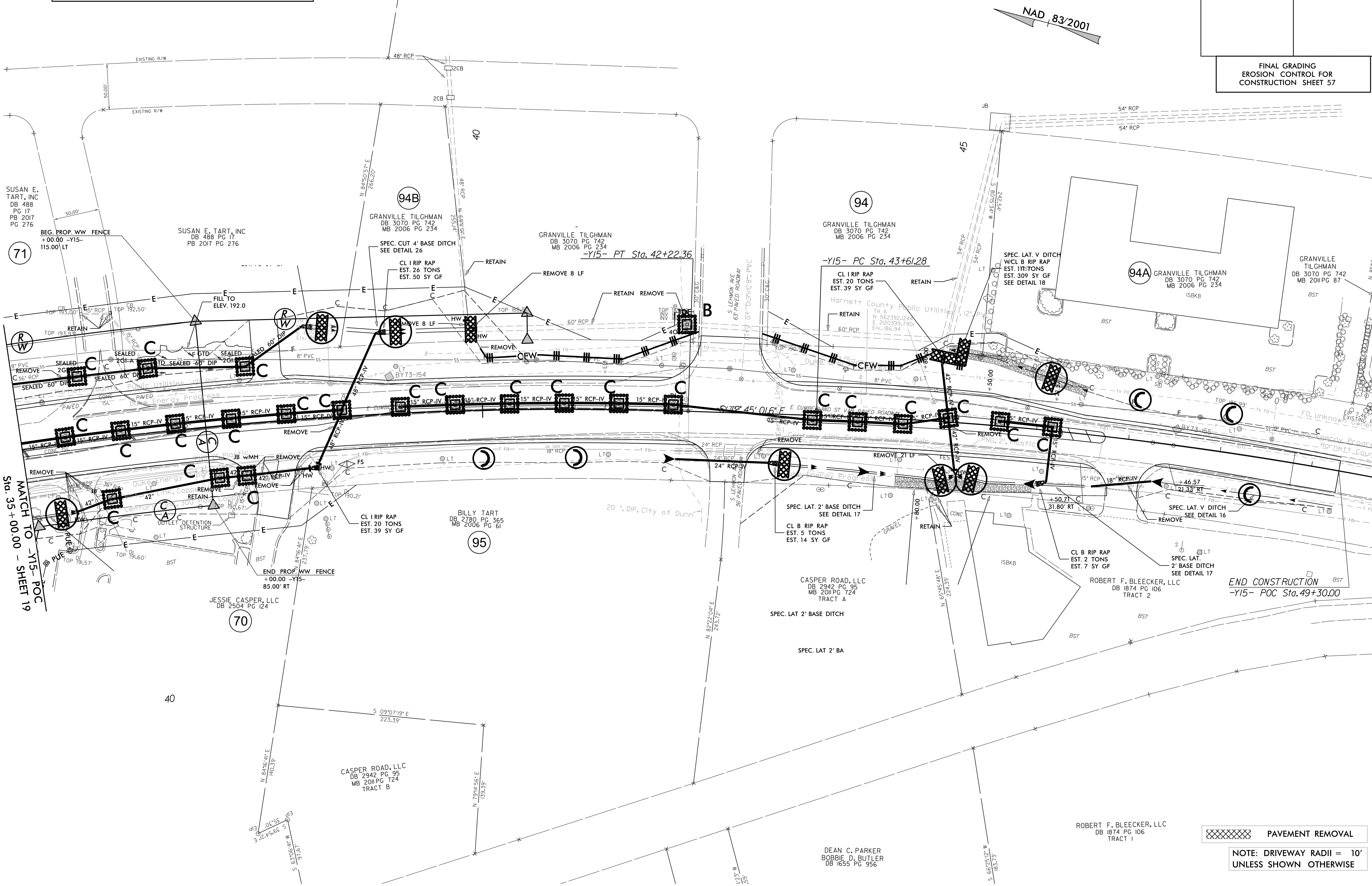
R/W SHEET NO.

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 57

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

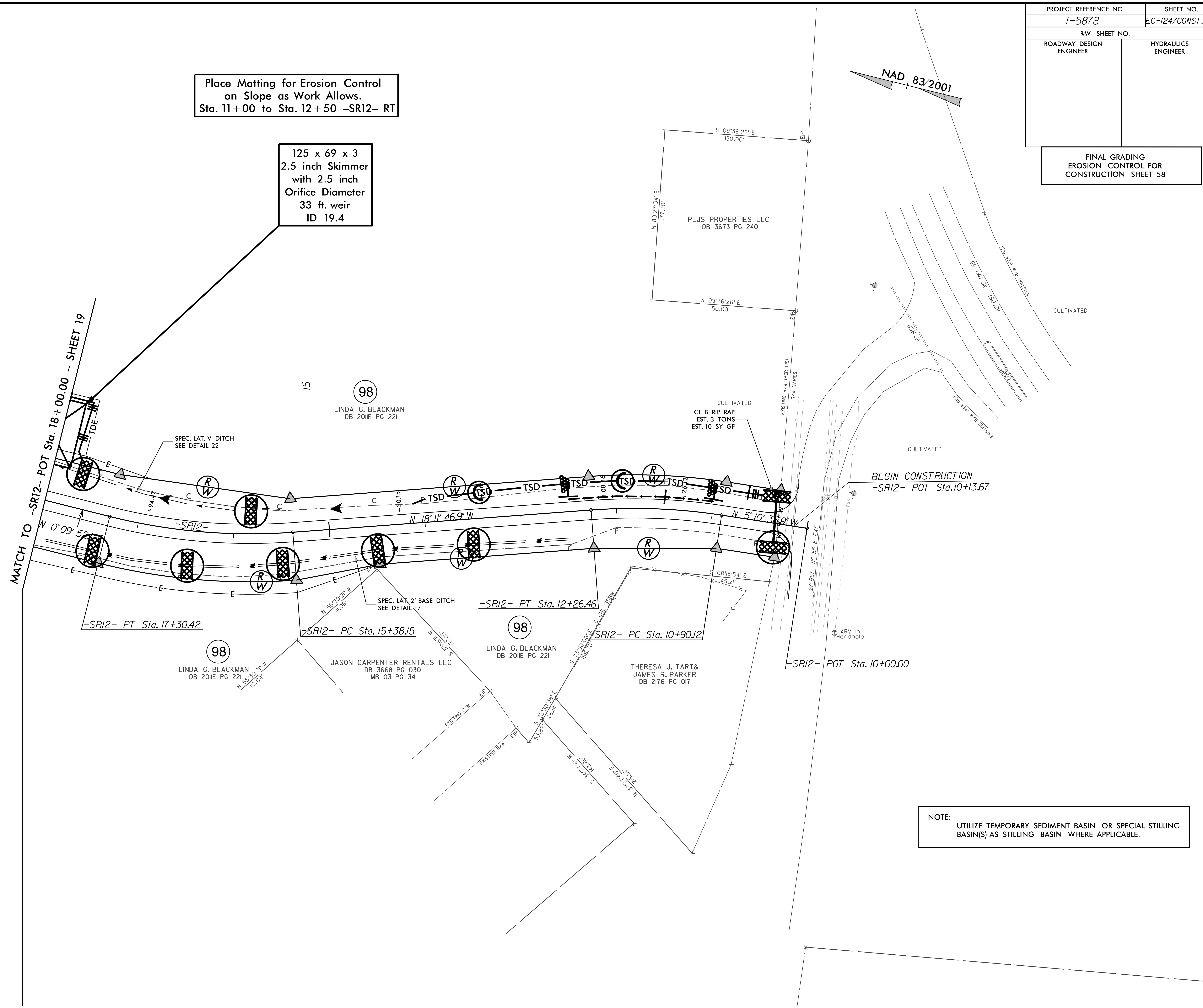
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

PROJECT REFERENCE NO.	SHEET NO.
I-5878	EC-124/CONST.58
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 58



Place Matting for Erosion Control on Slope as Work Allows. Sta. 11+00 to Sta. 12+50 -SR12- RT
125 x 69 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
33 ft. weir
ID 19.4
NAD 83/2001
MATCH TO -SR12- POT Sta. 18+00.00 - SHEET 19
SPEC. LAT. V DITCH
SEE DETAIL 22
98
LINDA G. BLACKMAN
DB 2011E PG 221
PLJS PROPERTIES LLC
DB 3673 PG 240
S 09°36'26" E
150.00'
CULTIVATED
CL B RIP RAP
EST. 3 TONS
EST. 10 SY GF
BEGIN CONSTRUCTION
-SR12- POT Sta.10+13.67
TSD
TDE
N 18° 11' 46.9" W
N 5° 10' 35.9" W
-SR12-
SPEC. LAT. 2' BASE DITCH
SEE DETAIL 17
-SR12- PT Sta. 17+30.42
-SR12- PC Sta. 15+38.15
-SR12- PT Sta. 12+26.46
-SR12- PC Sta. 10+90.12
-SR12- POT Sta. 10+00.00
JASON CARPENTER RENTALS LLC
DB 3668 PG 030
MB 03 PG 34
THERESA J. TART&
JAMES R. PARKER
DB 2176 PG 017
ARV in Handhole

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.