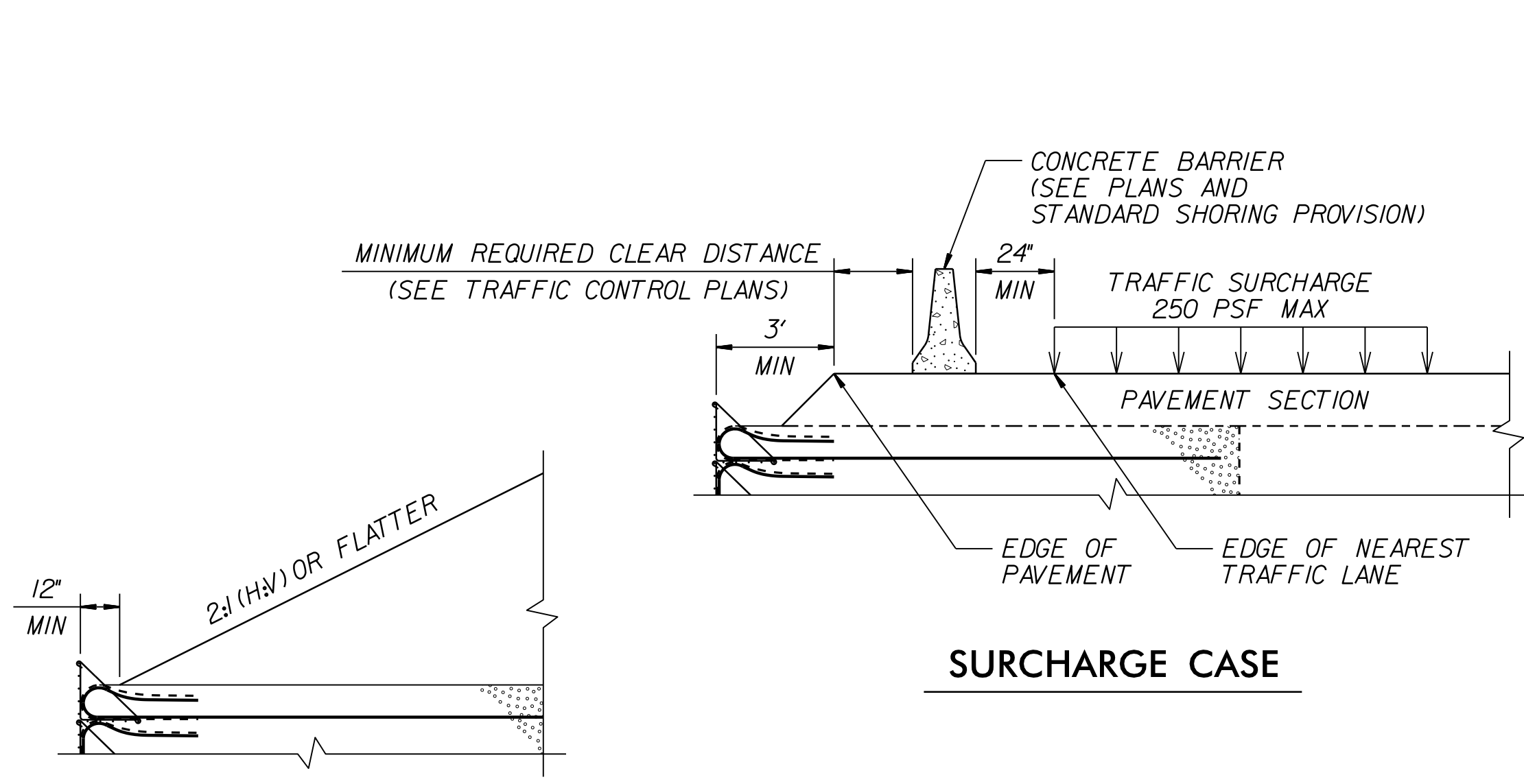


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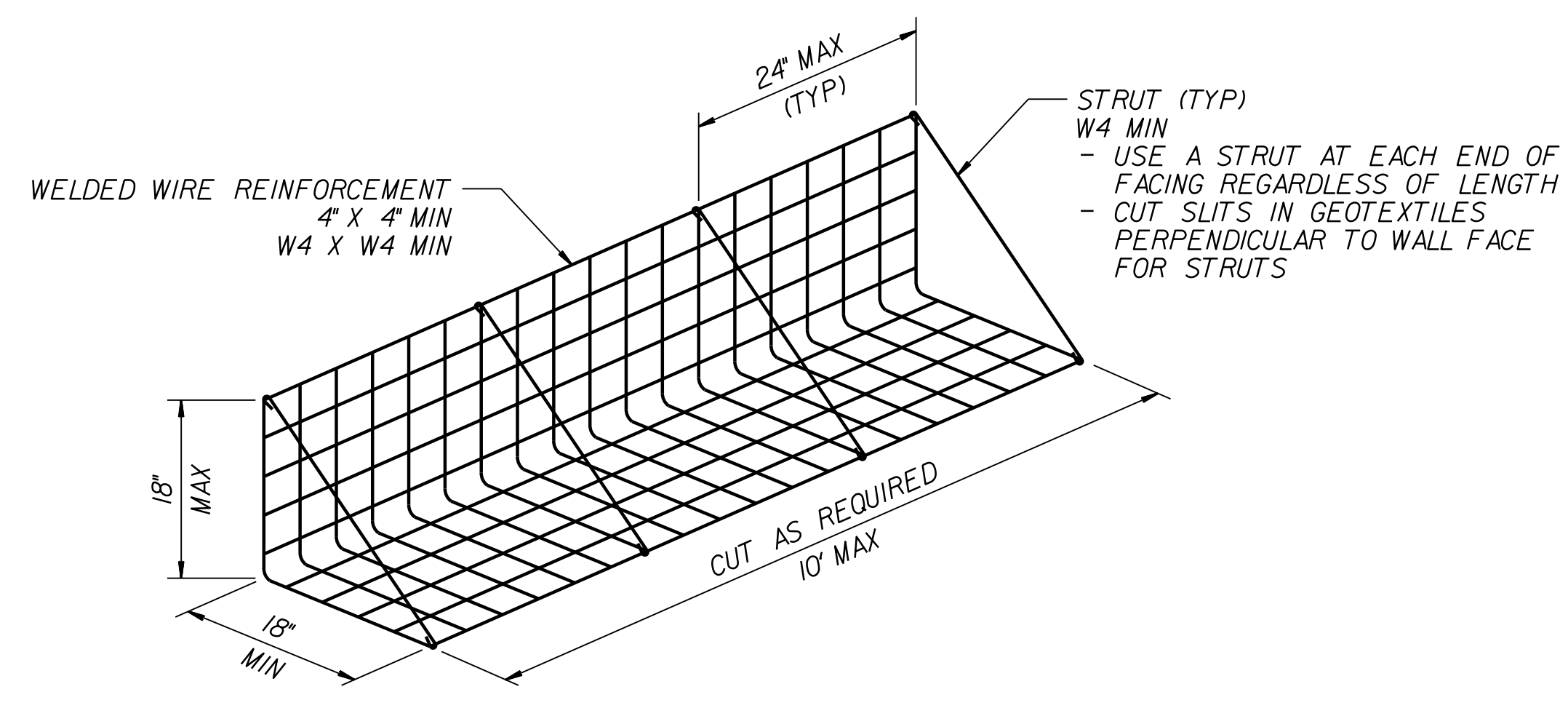
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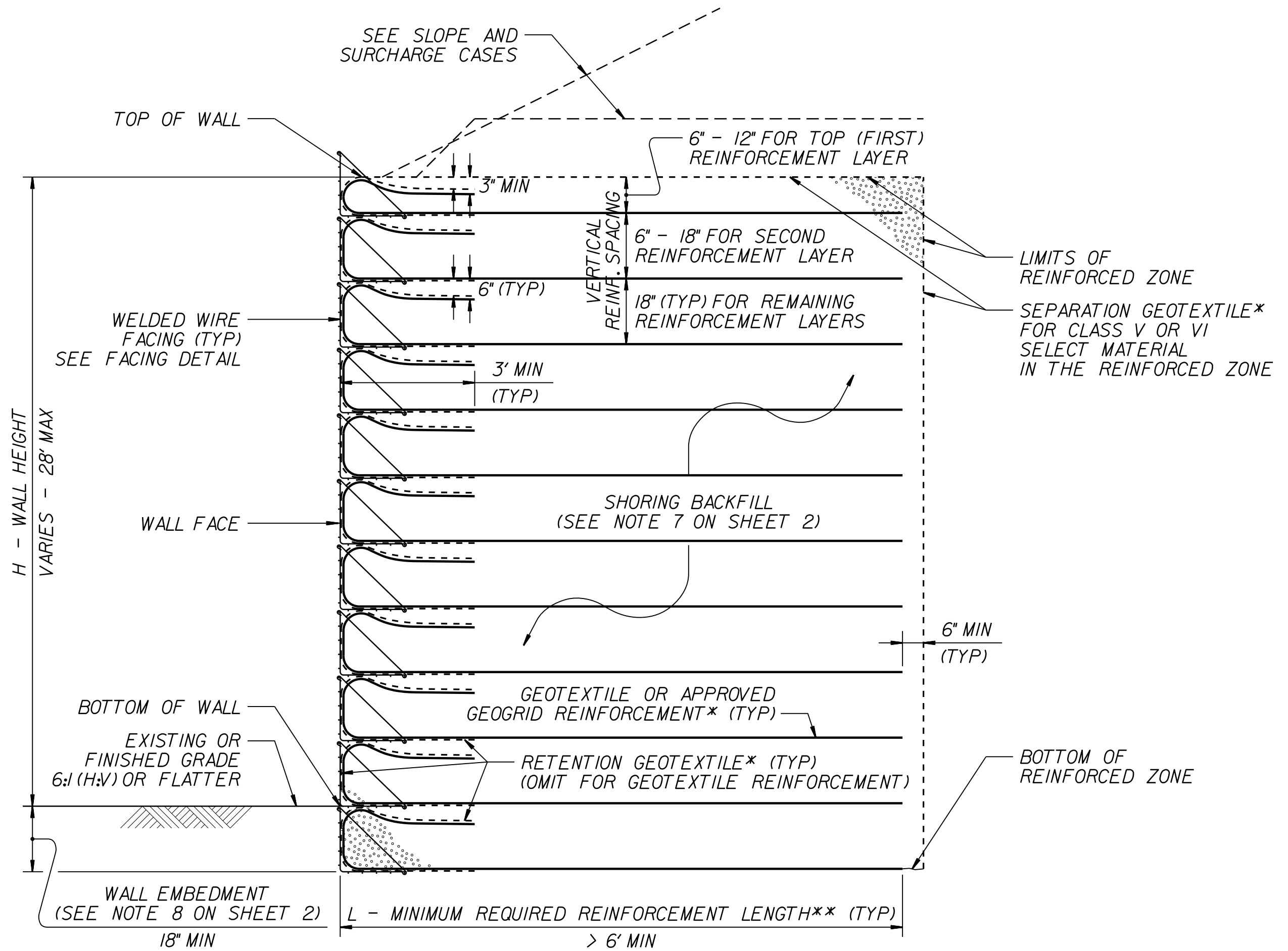


SLOPE CASE

SURCHARGE CASE

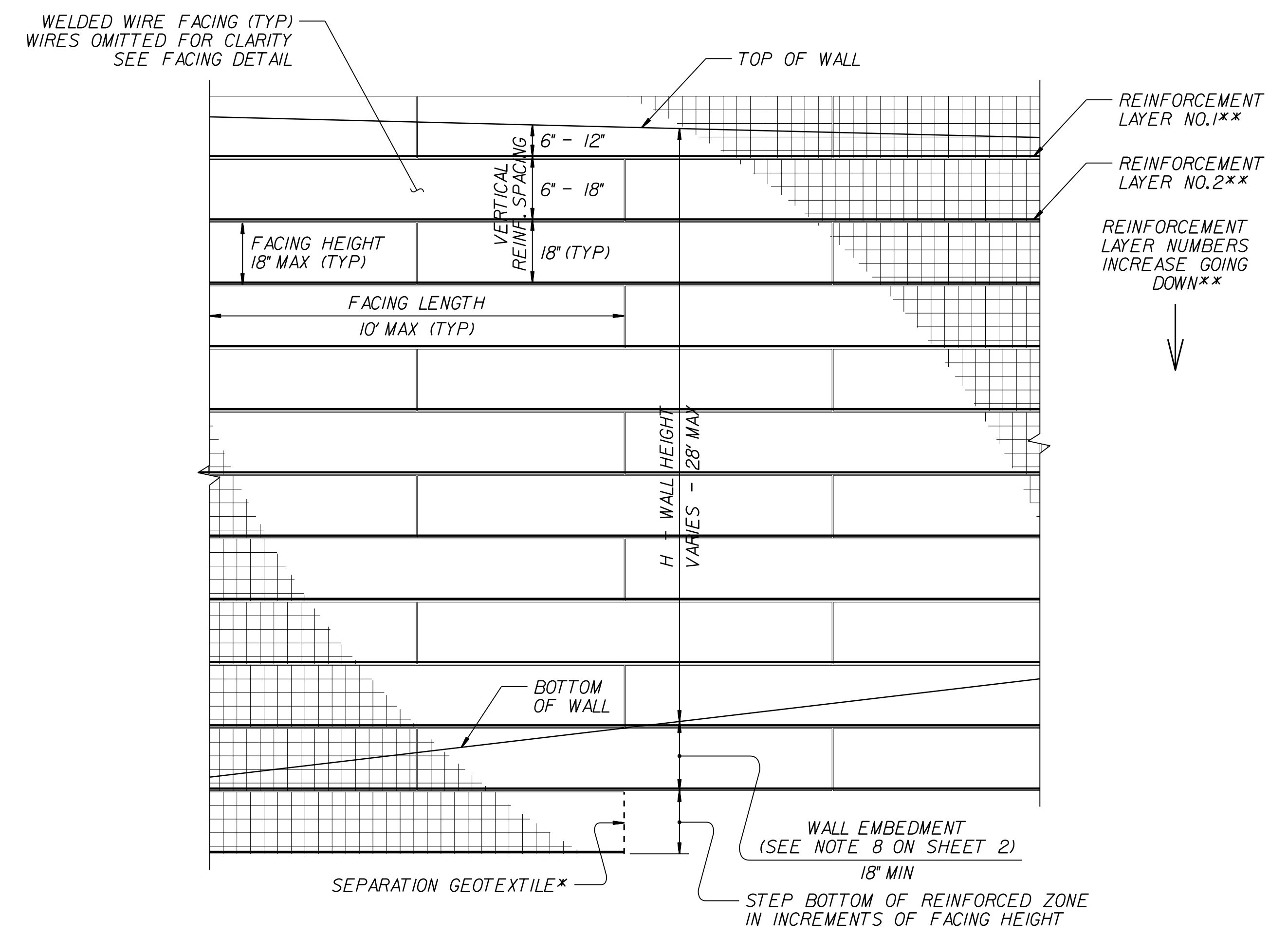


FACING DETAIL



STANDARD TEMPORARY WALL

(FOR STANDARD TEMPORARY WALLS ON STRUCTURES, SEE TEMPORARY WALL ON STRUCTURE DETAIL ON SHEET 2.)
 *SEE GEOSYNTHETIC PLACEMENT DETAILS ON SHEET 2.
 **SEE REINFORCEMENT TABLES ON SHEET 3.



STANDARD TEMPORARY WALL – PARTIAL ELEVATION

*SEE GEOSYNTHETIC PLACEMENT DETAILS ON SHEET 2.
 **SEE REINFORCEMENT TABLES ON SHEET 3.

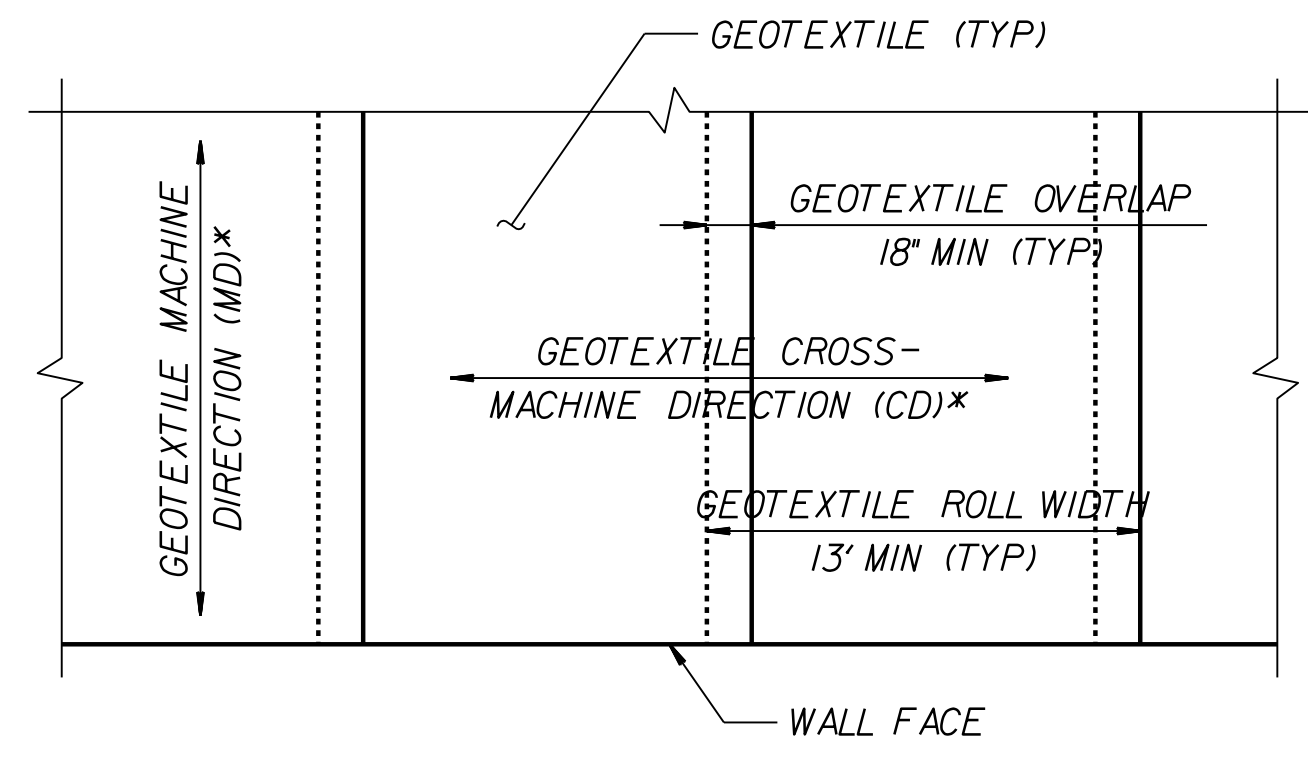


NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

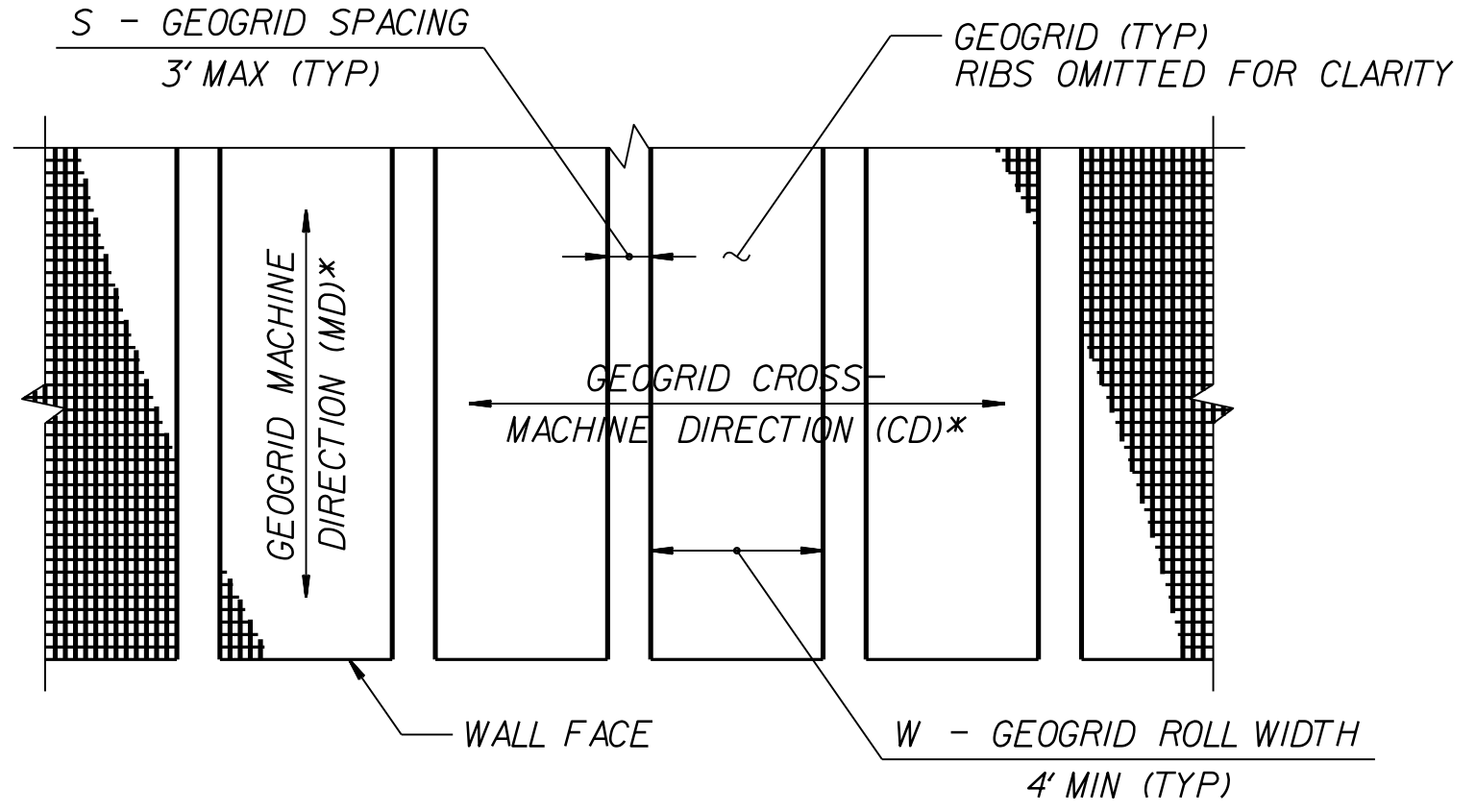
**GEOTECHNICAL
 ENGINEERING UNIT**

STANDARD DETAIL NO. 1801.02

STANDARD
 TEMPORARY WALL
 SHEET 1 OF 3

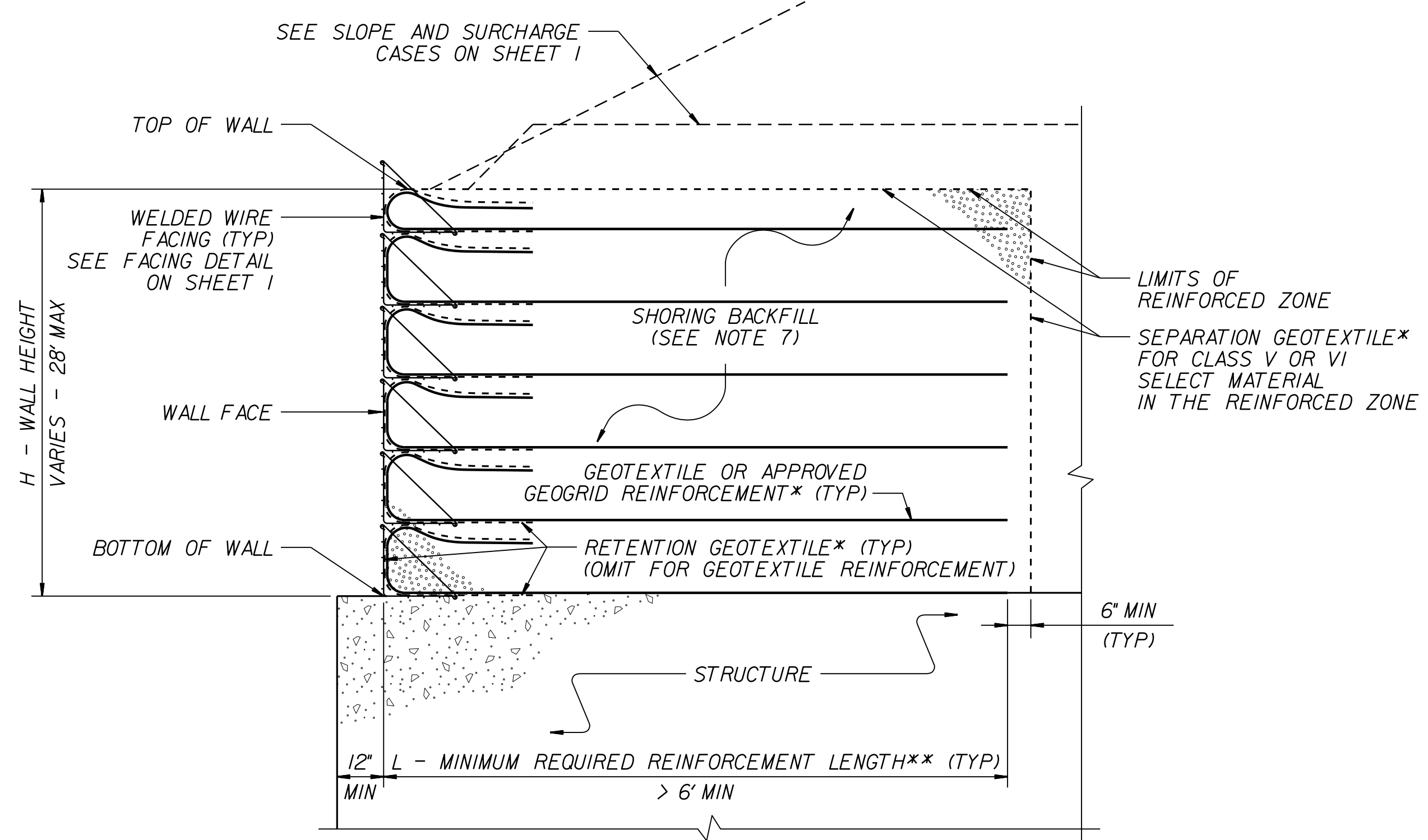


GEOTEXTILE PLACEMENT
(100% COVERAGE MIN FOR GEOTEXTILE REINFORCEMENT)



GEOGRID PLACEMENT
(80% COVERAGE MIN FOR GEOGRID REINFORCEMENT - $\frac{W}{W+S} \times 100 \geq 80\%$, SEE NOTE 11)

GEOSYNTHETIC PLACEMENT DETAILS
(PLAN VIEW)
*SEE NOTE 12.



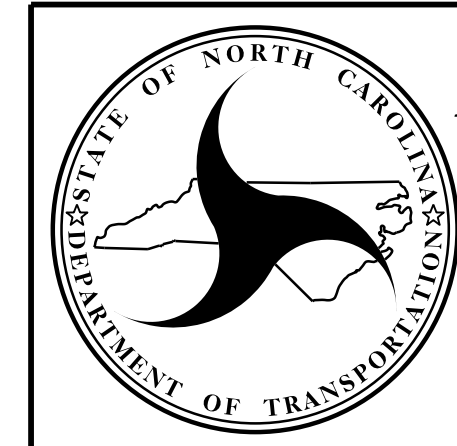
TEMPORARY WALL ON STRUCTURE DETAIL
*SEE GEOSYNTHETIC PLACEMENT DETAILS.
**SEE REINFORCEMENT TABLES ON SHEET 3.

NOTES:

1. AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALLS AS NOTED IN THE PLANS.
2. FOR STANDARD TEMPORARY WALLS, SEE STANDARD SHORING PROVISION.
3. STANDARD TEMPORARY WALLS ARE BASED ON THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS:
UNIT WEIGHT, $\gamma = 120$ PCF
FRICTION ANGLE, $\phi = 30$ DEGREES
COHESION, $c = 0$ PSF
4. DO NOT USE STANDARD TEMPORARY WALLS IF ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE.
5. DO NOT USE STANDARD TEMPORARY WALLS WHEN VERY LOOSE OR SOFT SOIL OR MUCK IS BELOW TEMPORARY WALLS.
6. USE GROUNDWATER ELEVATION NOTED IN THE PLANS. IF NO GROUNDWATER ELEVATION IS SHOWN IN THE PLANS, ASSUME GROUNDWATER DEPTH IS LESS THAN 7' BELOW BOTTOM OF REINFORCED ZONE. DO NOT USE STANDARD TEMPORARY WALLS IF GROUNDWATER OR FLOOD ELEVATION IS ABOVE BOTTOM OF REINFORCED ZONE.
7. DO NOT USE A-2-4 SOIL FOR STANDARD TEMPORARY WALLS AROUND CULVERTS OR IN THE REINFORCED ZONE OF STANDARD TEMPORARY WALLS FOR SLOPE CASES. DO NOT USE CLASS VI SELECT MATERIAL IN THE REINFORCED ZONE OF STANDARD TEMPORARY WALLS WITH GEOTEXTILE REINFORCEMENT.
8. WALL EMBEDMENT IS NOT REQUIRED FOR STANDARD TEMPORARY WALLS ON STRUCTURES OR ROCK AS DETERMINED BY THE ENGINEER.
9. DO NOT USE MORE THAN 4 DIFFERENT REINFORCEMENT STRENGTHS FOR EACH STANDARD TEMPORARY WALL.
10. GEOGRIDS FOR GEOGRID REINFORCEMENT ARE APPROVED FOR SHORT TERM DESIGN STRENGTHS (3-YEAR DESIGN LIFE) IN THE MD AND CD BASED ON MATERIAL TYPE. THE LIST OF APPROVED GEOGRIDS WITH DESIGN STRENGTHS IS AVAILABLE FROM: connect.ncdot.gov/resources/Geological/Pages/Products.aspx
DEFINE MATERIAL TYPE FROM THE WEBSITE ABOVE FOR SHORING BACKFILL AS FOLLOWS:

MATERIAL TYPE	SHORING BACKFILL
BORROW	A-2-4 SOIL
FINE AGGREGATE	CLASS II, TYPE I OR CLASS III SELECT MATERIAL
COARSE AGGREGATE	CLASS V OR VI SELECT MATERIAL

11. FOR GEOGRID REINFORCEMENT WITH LESS THAN 100% COVERAGE, STAGGER REINFORCEMENT SO GEOGRIDS ARE CENTERED OVER GAPS IN THE REINFORCEMENT LAYER BELOW.
12. AT THE CONTRACTOR'S OPTION, REINFORCEMENT MAY BE INSTALLED WITH THE MD PARALLEL TO THE WALL FACE IF BOTH OF THE FOLLOWING CONDITIONS OCCUR:
- W (REINFORCEMENT ROLL WIDTH) \geq (MINIMUM REQUIRED REINFORCEMENT LENGTH) + 4.5' AND
- REINFORCEMENT STRENGTH IN CD \geq MINIMUM REQUIRED REINFORCEMENT STRENGTH IN MD.
13. SUBMIT A "STANDARD TEMPORARY WALL SELECTION FORM" AT LEAST 7 DAYS BEFORE STARTING TEMPORARY WALL CONSTRUCTION. STANDARD SHORING SELECTION FORMS ARE AVAILABLE FROM: connect.ncdot.gov/resources/Geological/Pages/Geotech_Forms_Details.aspx
14. DO NOT PLACE SHORING BACKFILL OR REINFORCEMENT UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.
15. FOR STANDARD TEMPORARY WALLS WITH PILE FOUNDATIONS IN THE REINFORCED ZONE, DRIVE PILES THROUGH REINFORCEMENT AFTER CONSTRUCTING TEMPORARY WALLS.
16. DO NOT SPLICE OR OVERLAP REINFORCEMENT SO SEAMS ARE PARALLEL TO THE WALL FACE.
17. CONTACT THE ENGINEER WHEN EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, PAVEMENTS, PIPES, INLETS OR UTILITIES WILL INTERFERE WITH REINFORCEMENT.
18. FOR STANDARD TEMPORARY WALLS WITH INTERIOR ANGLES LESS THAN 90 DEGREES, WRAP GEOSYNTHETICS AT ACUTE CORNERS AS DIRECTED BY THE ENGINEER.
19. FOR STANDARD TEMPORARY WALLS WITH TOP OF WALL WITHIN 5' OF FINISHED GRADE, REMOVE TOP FACING AND INCORPORATE TOP REINFORCEMENT LAYER INTO FILL WHEN PLACING FILL IN FRONT OF WALL.




NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL
ENGINEERING UNIT

STANDARD DETAIL NO. 1801.02

STANDARD
TEMPORARY WALL
SHEET 2 OF 3

PROJECT REFERENCE NO. R-3830	SHEET NO. 2G-4
 GEOTECHNICAL ENGINEER ENGINEER	ENGINEER DocuSigned by: <i>Scott A. Hadden</i> 04/27/2022 <small>F790CAE8B6FC4D3</small>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SLOPE OR SURCHARGE CASE	GROUNDWATER DEPTH BELOW BOTTOM OF REINFORCED ZONE (SEE NOTE 6 ON SHEET 2) (FT)	SHORING BACKFILL TYPE IN THE REINFORCED ZONE (SEE NOTE 7 ON SHEET 2)	H - WALL HEIGHT (FT)																									
			< 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
SLOPE CASE	> 0	CLASS II, TYPE I, CLASS III, CLASS V OR CLASS VI SELECT MATERIAL	6	6	7	8	9	11	12	13	13	14	15	16	17	18	19	20	21	22	23	24	24	25	26	27	27	
SURCHARGE CASE	> 0 TO 7 FOR H < 20' > 0 TO 10 FOR H ≥ 20'	ALL SHORING BACKFILL TYPES	6	7	7	8	8	9	9	10	11	11	12	12	13	14	14	15	16	17	17	18	19	19	20	21	22	
		A-2-4 SOIL	6	6	7	8	8	9	9	10	11	11	12	12	13	14	14	15	16	16	17	18	18	19	20	20	21	
		CLASS II, TYPE I OR CLASS III SELECT MATERIAL	6	6	7	7	8	8	9	10	10	11	11	12	12	13	14	15	15	16	16	17	17	18	18	19	20	
	> 7 FOR H < 20' > 10 FOR H ≥ 20'	CLASS V OR CLASS VI SELECT MATERIAL	6	6	7	7	7	8	8	9	9	10	10	11	12	13	13	14	14	15	15	16	17	17	18	19	19	

L - MINIMUM REQUIRED REINFORCEMENT LENGTH (FT)
(FOR ALL REINFORCEMENT TYPES)

WALL HEIGHT (H) + WALL EMBEDMENT (FT)	NUMBER OF REINFORCEMENT LAYERS*
2.5 - 4	3
4 - 5.5	4
5.5 - 7	5
7 - 8.5	6
8.5 - 10	7
10 - 11.5	8
11.5 - 13	9
13 - 14.5	10
14.5 - 16	11
16 - 17.5	12
17.5 - 19	13
19 - 20.5	14
20.5 - 22	15
22 - 23.5	16
23.5 - 25	17
25 - 26.5	18
26.5 - 28	19
28 - 29.5	20

*BASED ON VERTICAL REINFORCEMENT SPACING SHOWN ON SHEET 1.

REINFORCEMENT LAYER NUMBER*	SHORING BACKFILL TYPE IN THE REINFORCED ZONE (SEE NOTE 7 ON SHEET 2)				
	SLOPE CASE		SURCHARGE CASE		
	CLASS II, TYPE I OR CLASS III SELECT MATERIAL	CLASS V SELECT MATERIAL	A-2-4 SOIL	CLASS II, TYPE I OR CLASS III SELECT MATERIAL	CLASS V SELECT MATERIAL
1	2400	2400	2400	2400	2400
2	2400	2400	2400	2400	2400
3	2400	2400	2400	2400	2400
4	2400	2400	2500	2400	2400
5	2500	2400	3000	2400	2400
6	3000	2400	3500	2800	2400
7	3500	2700	4000	3200	2600
8	4000	3100	4500	3600	2900
9	4500	3500	5000	4000	3200
10	5000	3900	5500	4400	3500
11	5500	4300	6000	4800	3800
12	6000	4700	6500	5200	4100
13	6500	5100	7000	5600	4400
14	7000	5400	7500	6000	4700
15	7500	5800	8000	6400	5000
16	8000	6200	8500	6800	5300
17	8500	6600	9000	7200	5600
18	9000	7000	9500	7600	5900
19	9500	7400	10000	8000	6200
20	10000	7800	10500	8400	6500

GEOTEXTILE REINFORCEMENT
ULTIMATE TENSILE STRENGTH (LB/FT)

REINFORCEMENT LAYER NUMBER*	SHORING BACKFILL TYPE IN THE REINFORCED ZONE (SEE NOTE 7 ON SHEET 2)				
	SLOPE CASE		SURCHARGE CASE		
	CLASS II, TYPE I OR CLASS III SELECT MATERIAL	CLASS V OR CLASS VI SELECT MATERIAL	A-2-4 SOIL	CLASS II, TYPE I OR CLASS III SELECT MATERIAL	CLASS V OR CLASS VI SELECT MATERIAL
1	240	200	340	290	240
2	380	310	520	430	350
3	530	420	700	570	460
4	690	550	870	720	570
5	860	690	1050	860	680
6	1030	830	1220	1000	790
7	1200	970	1400	1150	900
8	1370	1110	1580	1290	1010
9	1550	1240	1750	1430	1120
10	1720	1380	1930	1580	1230
11	1890	1520	2100	1720	1340
12	2060	1660	2280	1860	1450
13	2240	1800	2450	2010	1560
14	2410	1940	2630	2150	1670
15	2580	2080	2800	2290	1780
16	2750	2220	2980	2440	1890
17	2930	2360	3160	2580	2000
18	3100	2500	3330	2720	2110
19	3270	2640	3510	2860	2220
20	3440	2780	3690	3000	2330

GEOGRID REINFORCEMENT
SHORT-TERM DESIGN STRENGTH (LB/FT)
(SEE NOTE 10 ON SHEET 2.)

MINIMUM REQUIRED REINFORCEMENT STRENGTH IN MD
(SEE NOTE 9 ON SHEET 2.)
*SEE PARTIAL ELEVATION ON SHEET 1 FOR REINFORCEMENT LAYER NUMBERING.



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**GEOTECHNICAL
ENGINEERING UNIT**

STANDARD DETAIL NO. 1801.02
STANDARD TEMPORARY WALL SHEET 3 OF 3
DATE: 11-19-13

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

NOTE: Earthwork quantities are calculated by the Roadway Design Unit. These Earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Quantities are approximate only. The Resident Engineer will re-cross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

STATION	STATION	LINE	UNCLASSIFIED	UNDERCUT	*EMBANK. +%	* BORROW	WASTE
PHASE 1 - STEP 1							
18+00.00	50+00.00	-L- (LT)	1,260		6,118	4,981	123
17+20.63	19+35.35	-Y3-	134		102		32
SUMMARY AREA 1 (18+00 to 50+00 LT):			SUBTOTAL		6,220	4,981	155
57+00.00	94+00.00	-L- (LT)	352		10,850	10,561	63
11+55.00	12+39.27	-Y6- (LT)			53	53	
10+50.00	11+59.02	-Y7-	1		82	81	
10+60.00	12+47.65	-Y8-	123		139	20	4
SUMMARY AREA 2 (57+00 to 94+00 LT):			SUBTOTAL		11,124	10,715	67
94+00.00	123+50.00	-L- (LT)	435		2,851	2,518	102
11+20.00	12+11.36	-Y9-	18		26	8	
11+70.00	12+65.99	-Y11-	14		70	56	
10+15.00	11+52.98	-Y12-	6		103	97	
SUMMARY AREA 3 (94+00 to 123+50 LT):			SUBTOTAL		3,050	2,679	102
166+50.00	173+00.00 (TEMP)	-L- (LT)	58		92	34	
SUMMARY AREA 4 (166+50 to 173+00 LT TEMP):			SUBTOTAL		92	34	
173+00.00	179+00.00	-L- (LT)	397		323		74
10+90.00	14+70.41	-Y16-	1,188	600	1,547	905	1,146
SUMMARY AREA 5 (173+00 to 179+00 LT):			SUBTOTAL	600	1,870	905	1,220
181+00.00	214+00.00 (TEMP)	-L- (LT)	730		538		192
SUMMARY AREA 6 (181+00 to 214+00 LT TEMP):			SUBTOTAL		538		192
288+50	304+90.86	-L- (LT)	55		659	604	
SUMMARY AREA 7 (288+50 to 304+90.86 LT):			SUBTOTAL		659	604	
13+25.00	18+00.00	-L- (RT)	456		2		454
SUMMARY AREA 8 (13+25 to 18+00 RT):			SUBTOTAL		2		454
18+00.00	37+00.00	-L- (RT)	122		5,650	5,528	
17+00.00	19+00.00	-Y1-	83				83
10+38.50	11+51.52	-DRW1-	25		62	37	
10+38.50	11+70.00	-Y2-	10		58	48	
10+39.77	11+82.35	-DRW4-	222		8		214
SUMMARY AREA 9 (18+00 to 37+00 RT):			SUBTOTAL		5,778	5,613	297
37+00.00	62+50.00	-L- (RT)	378		6,612	6,234	
10+38.50	16+40.00	-Y5-	56		467	467	56
SUMMARY AREA 10 (37+00 to 62+50 RT):			SUBTOTAL		7,079	6,701	56
74+00.00	94+00.00	-L- (RT)	595		4,470	3,875	
10+39.44	11+95.00	-DRW2-	3		215	212	
SUMMARY AREA 11 (74+00 to 94+00 RT):			SUBTOTAL		4,685	4,087	
94+00.00	123+50.00	-L- (RT)	600		2,101	1,650	149
SUMMARY AREA 12 (94+00 to 123+50 RT):			SUBTOTAL		2,101	1,650	149
123+50.00	169+00.00	-L- (RT)	1,647		22,721	21,074	
10+38.50	11+25.00	-DRW3-	42		12		30
10+38.50	12+15.00	-Y15-	44		806	762	
SUMMARY AREA 13 (123+50 to 169+00 RT):			SUBTOTAL		23,539	21,836	30
214+00.00	240+00.00	-L- (RT)	1,190		5,694	4,504	
SUMMARY AREA 14 (214+00 to 240+00 RT):			SUBTOTAL		5,694	4,504	
240+00.00	266+00.00	-L- (RT)	1,109		4,630	3,748	227
10+21.00	11+10.00	-Y18-	62		35		27
SUMMARY AREA 15 (240+00 to 266+00 RT):			SUBTOTAL		4,665	3,748	254
266+00.00	292+00.00	-L- (RT)	54		4,358	4,304	
SUMMARY AREA 16 (266+00 to 292+00 RT):			SUBTOTAL		4,358	4,304	
TOTAL FOR PHASE 1 - STEP 1			11,469	600	81,454	72,361	2,976
PHASE 1 - STEP 1A							
10+38.50	16+25.00	-Y13-	4		3,412	3,408	
SUMMARY AREA 17 (10+38.50 to 16+25.00 -Y13-):			SUBTOTAL		3,412	3,408	
TOTAL FOR PHASE 1 - STEP 1A			4		3,412	3,408	
PHASE 1 - STEP 2							
169+00.00	179+00.00	-L- (RT)	437		5,406	4,969	
SUMMARY AREA 18 (169+00 to 179+00 RT):			SUBTOTAL		5,406	4,969	
TOTAL FOR PHASE 1 - STEP 2			437		5,406	4,969	

STATION	STATION	LINE	UNCLASSIFIED	UNDERCUT	*EMBANK. +%	* BORROW	WASTE
PHASE 2 - STEP 1							
50+00.00	57+00.00	-L- (LT)	24		446	422	
11+55.00	12+39.27	-Y6- (RT)			43		43
SUMMARY AREA 19 (50+00 to 57+00 LT):			SUBTOTAL		489	465	
123+50.00	165+00.00	-L- (LT)	242		6,254	6,012	
10+96.00	11+56.91	-Y14-	61		40		21
SUMMARY AREA 20 (123+50 to 165+00 LT):			SUBTOTAL		303	6,294	6,012
165+00.00	173+00.00 (+ REM. TEMP)	-L- (LT)	20		1,309	1,289	
SUMMARY AREA 21 (165+00 to 173+00 LT +REM. TEMP):			SUBTOTAL		20	1,309	1,289
62+50.00	74+00.00	-L- (RT)	26		2,672	2,646	
SUMMARY AREA 22 (62+50 to 74+00 RT):			SUBTOTAL		26	2,672	2,646
179+00.00	214+00.00 (INCL. TEMP)	-L- (RT)	5,041		14,208	10,484	1,317
SUMMARY AREA 25 (181+00 to 214+00 RT INCL. TEMP):			SUBTOTAL		5,041	14,208	10,484
TOTAL FOR PHASE 2 - STEP 1			5,414		24,972	20,896	1,338
PHASE 3 - STEP 1							
18+00.00	29+00.00	-L- (MED)	35		770	735	
SUMMARY AREA 26 (18+00 to 29+00 MED):			SUBTOTAL		35	770	735
31+50.00	33+50.00	-L- (MED)	2		58	56	
SUMMARY AREA 27 (31+50 to 33+50 MED):			SUBTOTAL		2	58	56
34+00.00	41+00.00	-L- (MED)	5		746	741	
SUMMARY AREA 28 (34+00 to 41+00 MED):			SUBTOTAL		5	746	741
41+50.00	60+00.00	-L- (MED)	73		1,625	1,552	
SUMMARY AREA 29 (41+50 to 60+00 MED):			SUBTOTAL		73	1,625	1,552
61+50.00	76+50.00	-L- (MED)	9		2,321	2,312	
SUMMARY AREA 30 (61+50 to 76+50 MED):			SUBTOTAL		9	2,321	2,312
76+50.00	93+00.00	-L- (MED)	86		707	621	
SUMMARY AREA 23 (76+50 to 93+00 MED):			SUBTOTAL		86	707	621
113+00.00	119+00.00	-L- (MED)	44		210	207	41
SUMMARY AREA 24 (113+00 to 119+00 MED):			SUBTOTAL		44	210	207
179+00.00	207+00.00 (+ REM. TEMP)	-L- (LT)	2,472		6,090	4,057	439
SUMMARY AREA 31 (179+00 to 207+00 LT +REM. TEMP):			SUBTOTAL		2,472	6,090	4,057
207+00.00	235+00.00 (+ REM. TEMP)	-L- (LT)	2,701		2,473		228
11+60.00	12+51.74	-Y17-	7		36	29	
SUMMARY AREA 32 (207+00 to 235+00 LT +REM. TEMP):			SUBTOTAL		2,708	2,509	228
235+00.00	263+00.00	-L- (LT)	1,018		2,102	1,395	311
11+11.00	12+20.42	-Y19-	61		61		61
SUMMARY AREA 33 (235+00 to 263+00 LT):			SUBTOTAL		1,018	2,163	1,456
263+00.00	288+50.00	-L- (LT)	152		2,471	2,319	
11+00.00	13+28.09	-Y20-	254		125		129
10+70.00	11+56.86	-Y21-	4		41	37	
10+60.00	11+52.63	-Y22-	2		83	81	
SUMMARY AREA 34 (263+00 to 288+50 LT):			SUBTOTAL		412	2,720	2,437
179+00.00	214+00.00 (REM. TEMP)	-L- (RT)	1,594		240		1,354
SUMMARY AREA 35 (181+00 to 214+00 RT REM. TEMP):			SUBTOTAL		1,594	240	1,354
TOTAL FOR PHASE 3 - STEP 1			8,458		20,159	14,203	2,502
PROJECT SUBTOTAL (ALL PHASES)			25,782	600	135,403	115,837	6,816
MATERIAL FOR SHOULDER CONSTRUCTION					2,748	2,748	
LOSS DUE TO CLEARING & GRUBBING					-2,400	2,400	
ADDITIONAL UNDERCUT				1,320	1,584	1,584	1,320
WASTE IN LIEU OF BORROW						-2,516	-2,516
PROJECT TOTAL					23,382	1,920	139,735
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT						6,003	
GRAND TOTAL					23,382	1,920	139,735
SAY					25,700	2,000	138,700

* INCLUDES BACKFILL FOR UNDERCUT
 EST. PAVEMENT STRUCTURE VOLUME: 7,090 CY (-L-); 230 CY (-Y3-, -Y5-, -Y8-, -Y12-, -Y13-, AND -Y16-) [PAVEMENT & SHOULDER MATERIAL QUANTITY IN EXCAVATED AREAS]
 EST. DRAINAGE DITCH EXCAVATION (DDE) = 680 CY
 PER GEOTECH RECOMMENDATIONS DATED MAY 12, 2017:
 SELECT GRANULAR MATERIAL = 600 CY + 1,200 (CONTINGENCY TO BE USED AT THE DISCRETION OF THE ENGINEER) = 1,800 CY
 SHALLOW UNDERCUT = 5,070 CY (BY STATION) + 1,000 CY (CONTINGENCY TO BE USED AT THE DISCRETION OF THE ENGINEER) = 6,070 CY
 SEE GEOTECHNICAL SUMMARIES ON SHEET 3G-1 FOR FURTHER INFORMATION

TOTAL UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL = 370 CY
 -L- STA 174+75 TO 176+25 (30' LT TO 45' LT)
 -L- STA 193+25 TO 193+75 (20' RT TO 50' RT)
 -L- STA 230+25 TO 234+25 (15' LT TO 25' LT)
 -L- STA 254+25 TO 256+75 (CL TO 10' RT)
 -L- STA 289+75 TO 272+25 (15' LT TO 20' LT)
 -Y3- STA 17+12 TO 19+08 (17' LT TO 23' LT; 17' RT TO 23' RT)
 -Y20- STA 11+87 TO 12+87 (27' RT TO 33' RT)

12/06/07

COMPUTED BY: PAS DATE: 25 JAN 2019
CHECKED BY: VML DATE: 17 JUNE 2022

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. R-3830
SHEET NO. 3B-2

SUMMARY OF REMOVAL OF EXISTING ASPHALT PAVEMENT

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows include survey lines -L- through -Y13- with stationing and location data.

SUMMARY OF REMOVAL OF EXISTING ASPHALT PAVEMENT

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows include survey lines -Y14- through -Y20- and a section for REMOVAL OF PAVEMENT EDGES (EOT TO EOP).

SUMMARY OF REMOVAL OF EXISTING ASPHALT PAVEMENT

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows include survey lines -Y5- through -Y16- and sections for TEMPORARY PAVEMENT REMOVAL, AREAS OF HIGH FILL, and AREAS FOR RAILROAD CROSSING REMOVAL.

SUMMARY OF BREAKING OF EXISTING ASPHALT PAVEMENT

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows include survey lines -Y8- through -Y16- with stationing and location data.

MILLING ASPHALT PAVEMENT, 1.5" DEPTH

Table with columns: SURVEY LINE, STATION, STATION, YD'. Rows include survey lines -L- through -Y13- with stationing and yardage data.

MILLING ASPHALT PAVEMENT, 2.5" DEPTH

Table with columns: SURVEY LINE, STATION, STATION, YD'. Rows include survey lines -L- through -Y13- with stationing and yardage data.

MILLING ASPHALT PAVEMENT, 3.0" DEPTH

Table with columns: SURVEY LINE, STATION, STATION, YD'. Rows include survey lines -L- through -Y18- with stationing and yardage data.

*N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

Large summary table for guardrails with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH (STRAIGHT, SHOP CURVED, DOUBLE FACED), WARRANT POINT (APPROACH END, TRAILING END), "N" DIST. FROM E.O.L., TOTAL SHOUL. WIDTH, FLARE LENGTH (APPROACH END, TRAILING END), W (APPROACH END, TRAILING END), ANCHORS (TYPE GREU, TL-3, CAT-1, AT-1, TYPE III, B-77), IMPACT ATTENUATOR TYPE 350 (EA, G, NG), SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

TEMPORARY GUARDRAIL SUMMARY

Large summary table for temporary guardrails with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH (STRAIGHT, SHOP CURVED, DOUBLE FACED), WARRANT POINT (APPROACH END, TRAILING END), "N" DIST. FROM E.O.L., TOTAL SHOUL. WIDTH, FLARE LENGTH (APPROACH END, TRAILING END), W (APPROACH END, TRAILING END), ANCHORS (TYPE GREU, TL-3, CAT-1, AT-1, TYPE III, B-77), IMPACT ATTENUATOR TYPE 350 (EA, G, NG), SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

6/17/2022 ts\NCCDOT\R-3830\Roadway\Frcj\N-3830_rdu_psh_3b-2.dgn User:tmlover

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
R-3830 3D-3

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Invert Elevation, Minimum Required Slope, R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame/Grates/Hood, Concrete Transitional Section, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing items like C.A.A., C.B., C.S., D.I., G.D.I., H.D.P.E., J.B., M.H., N.S., P.V.C., R.C., T.B.D.I., T.B.J.B., W.S. with their corresponding descriptions.

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
R-3830 3D-4

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Invert Elevation, Minimum Required Slope, R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame/Grates/Hood, Concrete Transitional Section, and Abbreviations. Includes a SHEET TOTALS row at the bottom.

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. R-3830 SHEET NO. 3D-5

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Main data table with columns for Line & Station, Structure Number, Invert Elevation, Minimum Required Slope, R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS
C.A.A. CORRUGATED ALUMINIUM ALLOY
C.B. CATCH BASIN
C.S. CORRUGATED STEEL
D.I. DROP INLET
G.D.I. GRATED DROP INLET
H.D.P.E. HIGH DENSITY POLYETHYLENE
J.B. JUNCTION BOX
M.H. MANHOLE
N.S. NARROW SLOT
P.V.C. POLYVINYL CHLORIDE
R.C. REINFORCED CONCRETE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX
W.S. WIDE SLOT

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

PROJECT NO. SHEET NO.
R-3830 3D-6

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R.C. Pipe Class IV, R.C. Pipe Class V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Abbreviations. Includes a SHEET TOTALS row at the bottom.

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. R-3830 SHEET NO. 3D-9

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, OFFSET, STRUCTURE NUMBER, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, and REMARKS. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing materials like CORRUGATED ALUMINIUM ALLOY, CATCH BASIN, CORRUGATED STEEL, etc.

REMARKS

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

PROJECT NO. SHEET NO.
R-3830 3D-10

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R.C. Pipe Class IV, R.C. Pipe Class V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Abbreviations. Includes a SHEET TOTALS row at the bottom.

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. R-3830 SHEET NO. 3D-11

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Remarks. Includes a summary row at the bottom labeled 'SHEET TOTALS'.

ABBREVIATIONS table listing materials like C.A.A. CORRUGATED ALUMINIUM ALLOY, C.B. CATCH BASIN, etc.

REMARKS

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
R-3830 3D-14

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing symbols for materials like C.A.A. (Corrugated Aluminium Alloy), C.B. (Catch Basin), C.S. (Corrugated Steel), etc.

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
R-3830 3D-18

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Invert Elevation, Minimum Required Slope, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), R.C. Pipe Class IV, R.C. Pipe Class V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, and Remarks. Includes a 'SHEET TOTALS' row at the bottom.

ABBREVIATIONS table listing materials like CORRUGATED ALUMINIUM ALLOY, CATCH BASIN, CORRUGATED STEEL, etc.

TGSZLR-LAPTOP

COMPUTED BY: BAJ DATE: 6/4/20
CHECKED BY: BJH DATE: 6/4/20

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. R-3830 SHEET NO. 3D-21

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Main data table with columns for Line & Station, Offset, Structure Number, Drainage Pipe, R.C. Pipe Class IV/V, Quantities for Drainage Structures, Frame, Grates, and Hood, and Remarks. Includes sub-totals for SHEET TOTALS and PROJECT TOTALS.

ABBREVIATIONS table listing codes like C.A.A., C.B., C.S., D.I., G.D.I., H.D.P.E., J.B., M.H., N.S., P.V.C., R.C., T.B.D.I., T.B.J.B., W.S. and their corresponding descriptions.

SHEET TOTALS and PROJECT TOTALS summary rows with numerical data for various categories.

COMPILED BY: VML DATE: 1/28/19
 CHECKED BY: ARM DATE: 1/28/19

(2-16-16)

PROJECT NO.
R-3830

SHEET NO.
3G-1

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-L-	224+00	226+00	LT,RT	SD	400
-L-	228+00	230+00	LT,RT	SD	400
-L-	234+00	236+00	LT,RT	SD	400
-L-	244+00	246+00	LT,RT	SD	400
-L-	258+00	260+00	LT,RT	SD	400
-L-	272+00	274+00	LT,RT	SD	400
-L-	284+00	286+00	LT,RT	SD	400
CONTINGENCY				SD	300
				TOTAL LF:	3100

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU/AST	Aggregate Thickness INCHES	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
-L-	13+75	17+75	ASU	18	420	830	770		
-L-	20+25	22+25	ASU	18	315	630	560		
-L-	76+75	78+75	ASU	18	245	485	660		
-L-	91+25	94+75	ASU	18	425	850	790		
-L-	98+75	100+75	ASU	18	120	235	300		
-L-	105+25	106+75	ASU	18	90	180	150		
-L-	113+75	115+75	ASU	18	240	475	410		
-L-	132+75	133+75	ASU	18	35	65	50		
-L-	152+75	154+25	ASU	18	155	310	260		
-L-	173+25	176+25	ASU	18	370	740	690		
-L-	186+75	187+75	ASU	18	25	50	40		
-L-	192+75	196+25	ASU	18	300	595	570		
-L-	200+75	203+25	ASU	18	240	475	370		
-L-	231+75	234+25	ASU	18	240	475	360		
-L-	251+75	257+25	ASU	18	620	1240	1300		
-L-	260+75	261+75	ASU	18	120	240	180		
-L-	265+75	272+25	ASU	18	375	745	700		
-L-	289+75	292+25	ASU	18	95	190	170		
-Y3-	17+12	19+08	ASU	18	195	385	230		
-Y5-	10+82	13+25	ASU	18	235	465	410		
-Y8-	10+67	11+37	ASU	18	35	65	20		
-Y16-	10+95	13+37	ASU	18	175	345	260		
CONTINGENCY					1000	2000	2000		
CONTINGENCY			AST	3					500
TOTAL CY/TONS/SY:					6070	12070	11250**	0	500

*ASU = Aggregate Subgrade
 *AST = Aggregate Stabilization
 **Total square yards of "Geotextile for Soil Stabilization" is only the estimated quantity for ASU/AST and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.

NOTE: SHALLOW UNDERCUT AND CLASS IV SUBGRADE STABILIZATION QUANTITIES HAVE BEEN RECALCULATED BY ROADWAY

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4	Rubber Sole Properties, LLC
2	4	Earl Green Harbour and Juanita Harrell Harbour
3	4	AOM Investments, LLC
4	4	-deleted-
5	4	Simpson & Simpson II
6	4	PJH Properties, LLC
7	4	Michael W. Barbour & Wife, Jan M. Barbour
8	4 & 5	2515 Horner, LLC
9	4	Warehouse Home Furnishings Distributors, Inc.
10	5	Harold W. Weathers and Wife Helen W. Weathers
11	5	C.W. Womack, LLC, A North Carolina Limited Liability Company
12	5	Mai Van Ho and Wife, Kim Thi Ho
13	5	Jeffrey A. Jones and Wife, Angela R. Jones
14	5	C.W. Womack, LLC
15	5	Franklin Baking Co., Inc.
16	5	Earline Beasley Peele
17	5	Per Tommy Thystrup
18	5	J. C. Peele and Wife, Earline Beasley Peele
19	5	Doster, Post, Silverman, Foushee, & Post
20	5	Harvey Glenn Lee III and Wife, Rita Diane Lee
21	5	Per Tommy Thystrup and Wife, Donna Coe Maddox
22	5, 6, & 26	Tyson Foods, Inc.
23	5 & 6	Harrington Companies, LLC
24	5 & 6	Richard W. Noel and Wife, Edie N. Noel
25	5	-deleted-
26	6	Dwight Leon Minter and Wife, Tina Cotton Minter
27	6 & 26	D. Duran Johnson and Wife, Sharon A. Johnson
28	6	Magneti Marelli, U.S.A., Inc.
29	6	Vask, LLC
30	26	Charles Oldham III
31	6	-deleted-
32	6	KeepSafe Mini-Storage, LLC
33	6	Thanh D. Vo, Unmarried, and Bach-Yen T. Vo, Unmarried
34	6	Britney A. Ellis and Husband, Travis Ellis
35	6	M & H Properties, Inc.
36	6	M & H Properties, Inc.
37	6	Samuel Benton Farrar and Wife, Myrtle L. Farrar
38	6	Julian C. Suggs and Wife, Judith B. Suggs
39	7	Pamela M. Bradford
40	7	Bertice D. McDonald and Wife, Sharon W. McDonald
41	7	Wayne A. Hargrove
42	7	Steven Jolley and Wife, Teena A. Jolley
43	7	Martin Ruiz Lezama and Wife, Maria G. Lezama
44	7	M & H Properties, Inc.
45	7	Forrest E. Watson
46	7	Iglesia de Dios Getsemani
47	7	Debra S. Dunn and David James O'Quinn
48	7	Shirley H. Harrington
49	7	-deleted-
50	7	Maurice Wilson and Wife, Mary D. Wilson
51	7	Kimcuc Thi Michael
52	7	Wicker-Batchelor Rental Co.
53	7	Linh D. Phan and Wife, Huong T. Nguyen
54	7	Watson P. Kelly
55	7 & 8	Taboys Corporation, a North Carolina Corporation
56	8	Thomas B. Kelly
57	8	Eastside Pentecostal Holiness Church, Inc.
58	8	Frank A. Measamer Jr. and Wife, Linda C. Measamer
59	8	Janet Brown Warner
60	8	Franklin A. Measamer and Wife, Ann H. Measamer

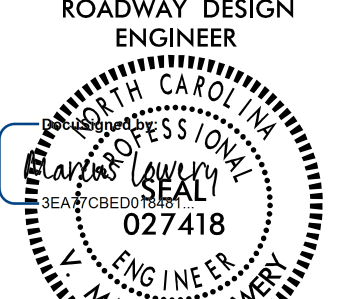

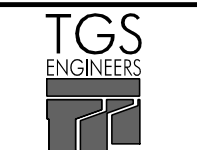
PARCEL No.	SHEET No.	PROPERTY OWNER NAME
61	8	Clarence P. Rosser & Jessica Bridges & Jennifer Rubinosky
62	8	Clarence P. Rosser & Jessica Bridges & Jennifer Rubinosky
63	8	Myrtle Matthews Poe
64	8	Janet Brown Warner and Preston D. Warner II
65	8	-deleted-
66	8	TWG Properties
67	8	-deleted-
68	8	Mary Anne Kelly
69	8	Broadway Road, LLC
70	8	Belinda Gail Dickens
71	8 & 9	On The Fly, LLC
72	8	Jose Socorro Perez and Wife, Maria Veronica Ramirez De Perez
73	8 & 9	Terry Lewis Norris
74	8	-deleted-
75	9	Shallow Well United Church of Christ, Inc.
76	9	Shallow Well United Church of Christ, Inc.
77	9	Jack W. Campbell Jr. and Wife, Lois Beryl Campbell
78	9	Jack W. Campbell Jr. and Wife, Lois Beryl Campbell
79	9	-deleted-
80	9	Myrtle Ray Matthews
81	10	Shallow Well United Church of Christ, Inc.
82	11 & 12	Sanford-Lee County Board of Education
83	12	Donald R. Simpson Family Limited Partnership
84	12	-deleted-
85	12	-deleted-
86	12 & 27	Coty, Inc.
87	12	Simpson & Simpson
88	12	Simpson & Simpson II
89	12	William L. Oldham
90	12, 13, & 27	Harrington Companies, LLC
91	12	-deleted-
92	12	Dodson Family Limited Liability Company #2
93	13	Carroll F. Williams
94	13	-deleted-
95	13	-deleted-
96	13	Simpson & Simpson II
97	13	Arden Corporation
98	13	Thornwood Village, LLC
99	13	Simpson & Simpson II
100	13	Arden Corporation
101	13 & 14	Eugene Graham Rosser and Wife, Mary Smith Rosser
102	13	J & F Amusements, Inc.
103	14	J & F Amusements, Inc.
104	14 & 15	Eugene Graham Rosser and Wife, Mary Smith Rosser
105	14	Linda R. Broome, Trustee of the Cortez Rosser Trust
106	14	-deleted-
107	14 & 15	T & S Sloan Properties, LLC
108	14 & 15	Alice Faye Bryant
109	15	Belinda Gail Dickens
110	15	Route 2, Box 236, LLC
111	15	Donald G. Thomas and Wife, Marie B. Thomas
112	15	Donald Gene Thomas
113	15	A.K. Griffin Jr. and Wife, Mary K. Griffin
114	15 & 16	Edna M. Dickens
115	16	Christopher Wade Dean
116	16	George Wayne Watson and Wife, Judy G. Watson
117	16	Wilber F. Thomas and Wife, Bobbie S. Thomas
118	16	Jose Luis Llamas Garcia and Wife, Sagrario C. Torres
119	16	Donald G. Thomas
120	16	Wilber F. Thomas and Wife, Bobbie S. Thomas

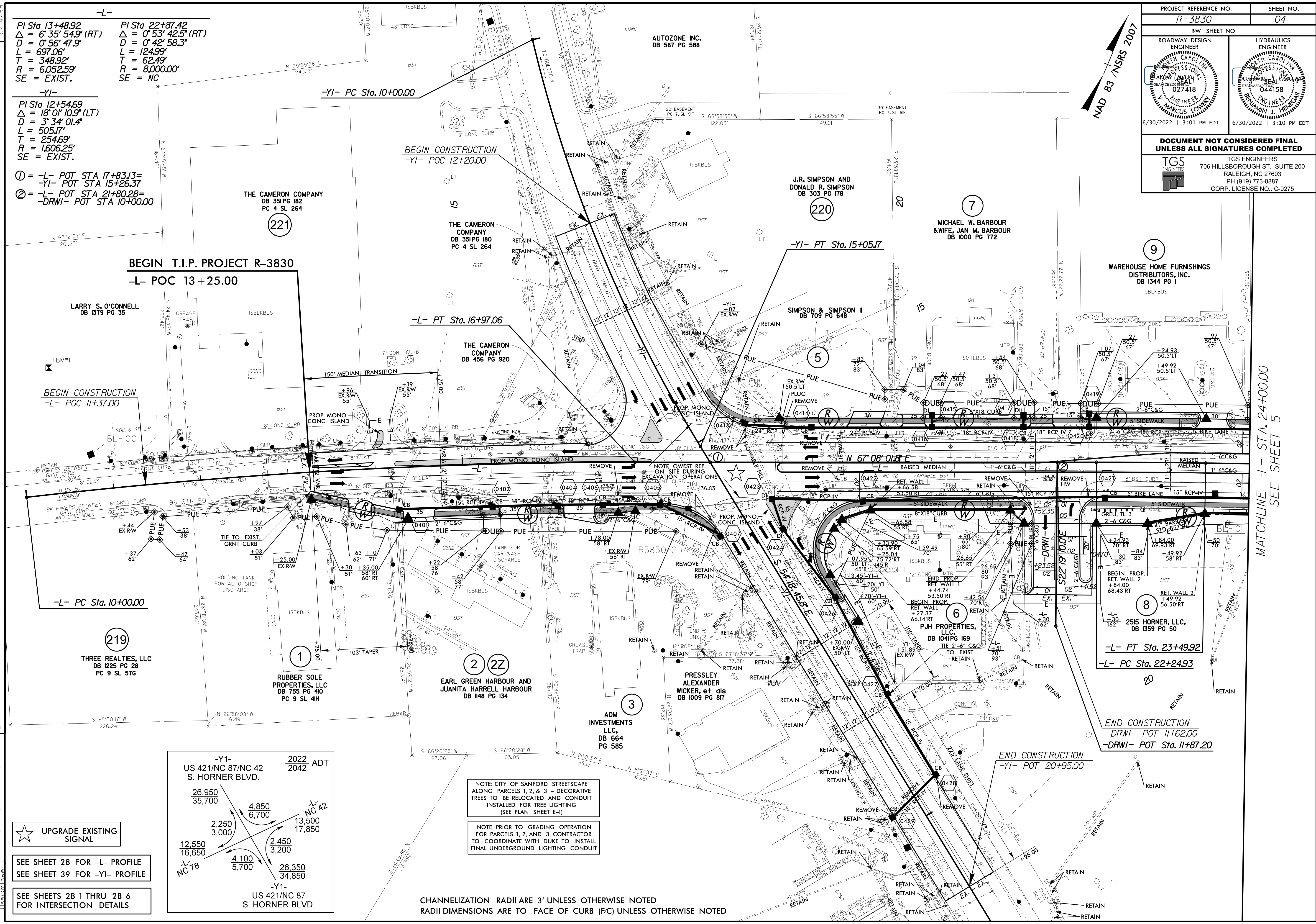
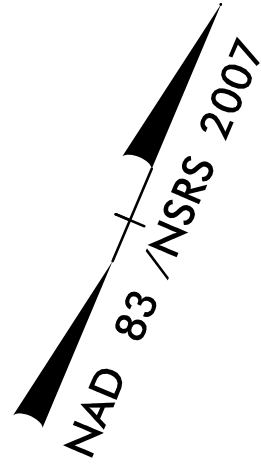
**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
121	16	Bettie B. Gillis
122	16	Anthony Hart and Wife, Sandra Hart
123	17	Clayton Thomas Heirs
124	17	Mitchell L. Patterson
125	17	-deleted-
126	17	Clayton Thomas and Wife, Laura K. Thomas
127	17	L.W. Patterson Heirs
128	17	O. T. Thomas and Wife, Verlie P. Thomas, as Tenants by the Entirety of a Life Estate
129	17	C. Joyce Thomas
130	17	Clara Joyce Patterson
131	18	Christopher Jody Measamer
132	18	The Estate of Donald G. Thomas
133	18	Larry W. Measamer and Wife, Sharon B. Measamer
134	18	-deleted-
135	18	William Avery Hutchens III and Wife, Sharon Rosser Hutchens
136	18	William Avery Hutchens III and Wife, Sharon Rosser Hutchens
137	18	Donald G. Thomas and William Avery Hutchen III, and William Avery Hutchen II
138	18	Sylvia T. Thomas and Husband, Walter D. Thomas
139	18	Richard F. Kochenberger and Wife, Barbara Kockenberger
140	19	Randy Lynn Cox and Wife, Sophia Reynolds Cox
141	18	Travis W. Buchanan and Wife, Candace C. Buchanan
142	19	Travis W. Buchanan and Wife, Candace C. Buchanan
143	19	John Edwards Bishop III
144	19	Linda Thomas, Widow
145	19 & 20	Charles H. Angel Jr. and Wife, Mary Sue Angel
146	20	Charles H. Angel Jr. and Wife, Mary Sue Angel
147	20	Robert Robichaud
148	20	Peggy B. Norris
149	20	Peggy B. Norris
150	20	Janice S. Jones and Husband, Jay Lynn Jones
151	20	Janice S. Jones and Husband, Jay Lynn Jones
152	20	Joseph M. Sloan
153	20	David Bodenhamer and Wife, Donna Bodenhamer
154	20	Susan Virgin, Trustee Susan Virgin Trust
155	20 & 21	Alfred Benny Sloan Jr.
156	20 & 21	Louis M. Sloan and Wife, Gail P. Sloan
157	21	Bendtsen Voss and Wife, Carrie Voss
158	21	Alfred Benny Sloan
159	21	Jeanne McNeill Ellington and Christie McNeill Lawlor
160	21	Jeanne McNeill Ellington and Christie McNeill Lawlor
161	22	Henry Donnell Coore and Wife, Debra B. Coore
161A	22	Lonnie Howell Freeman
162	22	Ronald S. Brown III
163	22	Henry Donnell Coore and Wife, Debra B. Coore
164	22	Karen T. Thomas
165	22	Juan Vivas
166	22	Margaret T. Jones and Husband, Bobby R. Jones
167	22	Eugene Davis Thomas
168	22	Sylvia T. Leslie
169	22	-deleted-
170	22	Clifton H. Parker and Wife, Katie Lucille Parker
171	22	Wilson Mitchell Myers and Wife, Cynthia Dianne Myers
172	22	Deborah A. Kindle
173	22	Jose Antonio Cornejo
174	22 & 23	Michael Steve Thomas
175	22	Anthony V. Keen and Wife, Sharri A. Keen
176	23	Pedro C. Villagomez and Wife, Dilia B. Villagomez
177	23	Barry N. Dowdy and Wife, Elizabeth N. Dowdy
178	23	Margaret A. Legget
179	23	David W. Bernard and Wife, Tonya L. Bernard

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
180	23	Dorothy S. King
181	23	James A. Bailey and Wife, Judy T. Bailey
182	23	Ana C. Prince
183	23	Renee G. Hunter
184	23	Janet M. Harrington
185	23	Jimmy F. McNeill and Wife, Carolyn L. McNeill
186	23	Frances Edmonds and Husband, Robert Edmonds
187	23	Frances Edmonds and Husband, Robert Edmonds
188	23	Elizabeth Gay Meisel
189	23	County of Lee
190	23 & 24	Frances A. Edmonds and Husband, Robert J. Edmonds
191	23 & 24	Dorothy S. King
192	24	-deleted-
193	24	James W. King and Wife, Dorothy S. King
194	24	Dorothy S. King
195	24	Mrs. D.O. Harrington (Heirs)
196	24	Cape Fear Rural Fire Department, Inc.
197	24	-deleted-
198	24	-deleted-
199	24	Frank W. McDonald and Suzanne B. McDonald, Husband and Wife
200	24	Paylink LLC
201	24	Lori Saunders Andrews and Donald Franklin Andrews Jr.
202	24	Robert Alford Jones
203	24	-deleted-
204	24	First Bank
205	24	Park Oil Company, Inc.
206	24	Wornom & Perkins, LLC
207	25	Henlyn Enterprises, LLC
208	25	Larry L. Tart and Darrell Tucker as Trustees for Crossroads Church
209	25	David Wayne Ward and Wife, Maretta Kay Ward
210	25	Earl L. Barker and Wife, Cynthia Barker
211	25	David Eugene Harrington
212	27	GNV Properties, LLC
213	27	Moen, Inc.
214	25	-deleted-
215	21	Town of Broadway
216	25	Donny Hunter and Rebecca Hunter
217	25	Scott E. Morrill
218	25	Mrs. D.O. Harrington (Heirs)
219	4	Three Realities, LLC
220	4	J.R. Simpson and Donald R. Simpson
221	4	The Cameron Company

PROJECT REFERENCE NO. R-3830		SHEET NO. 04	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



-L-
 PI Sta 13+48.92
 $\Delta = 6' 35'' 54.9''$ (RT)
 $D = 0' 56'' 47.9''$
 $L = 697.06'$
 $T = 348.92'$
 $R = 6,052.59'$
 SE = EXIST.

-Y1-
 PI Sta 22+87.42
 $\Delta = 0' 53'' 42.5''$ (RT)
 $D = 0' 42'' 58.3''$
 $L = 124.99'$
 $T = 62.49'$
 $R = 8,000.00'$
 SE = NC

-Y1-
 PI Sta 12+54.69
 $\Delta = 18' 0'' 10.9''$ (LT)
 $D = 3' 34'' 01.4''$
 $L = 505.17'$
 $T = 254.69'$
 $R = 1,606.25'$
 SE = EXIST.

① = -L- POT STA 17+83.13 =
 -Y1- POT STA 15+26.37
 ② = -L- POT STA 21+80.28 =
 -DRWI- POT STA 10+00.00

BEGIN T.I.P. PROJECT R-3830
 -L- POC 13+25.00

BEGIN CONSTRUCTION
 -L- POC 11+37.00

-L- PC Sta. 10+00.00

-Y1- PC Sta. 10+00.00

BEGIN CONSTRUCTION
 -Y1- POC 12+20.00

-L- PT Sta. 16+97.06

-Y1- PT Sta. 15+05.17

-L- PT Sta. 23+49.92
-L- PC Sta. 22+24.93

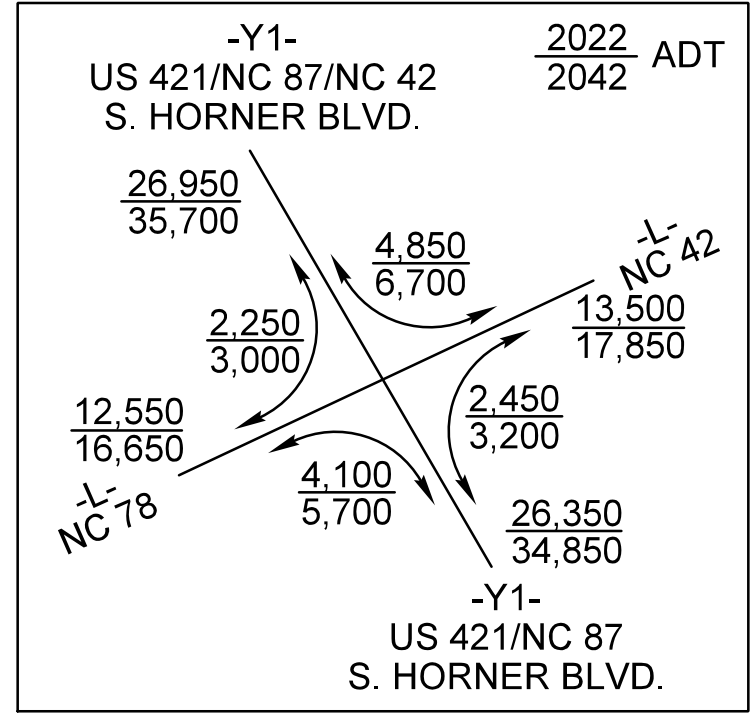
END CONSTRUCTION
 -Y1- POT 20+95.00

END CONSTRUCTION
 -DRWI- POT 11+62.00
 -DRWI- POT Sta. 11+87.20

★ **UPGRADE EXISTING SIGNAL**

SEE SHEET 28 FOR -L- PROFILE
 SEE SHEET 39 FOR -Y1- PROFILE

SEE SHEETS 2B-1 THRU 2B-6
 FOR INTERSECTION DETAILS



NOTE: CITY OF SANFORD STREETScape ALONG PARCELS 1, 2, & 3 - DECORATIVE TREES TO BE RELOCATED AND CONDUIT INSTALLED FOR TREE LIGHTING (SEE PLAN SHEET E-1)

NOTE: PRIOR TO GRADING OPERATION FOR PARCELS 1, 2, AND 3, CONTRACTOR TO COORDINATE WITH DUKE TO INSTALL FINAL UNDERGROUND LIGHTING CONDUIT

CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

MATCHLINE -L- STA. 24+00.00
 SEE SHEET 5

REVISIONS

E:\10_2823\Roadway\Proje\3830_rdy_psh_04.dgn
 User: jsmiley

-Y4-

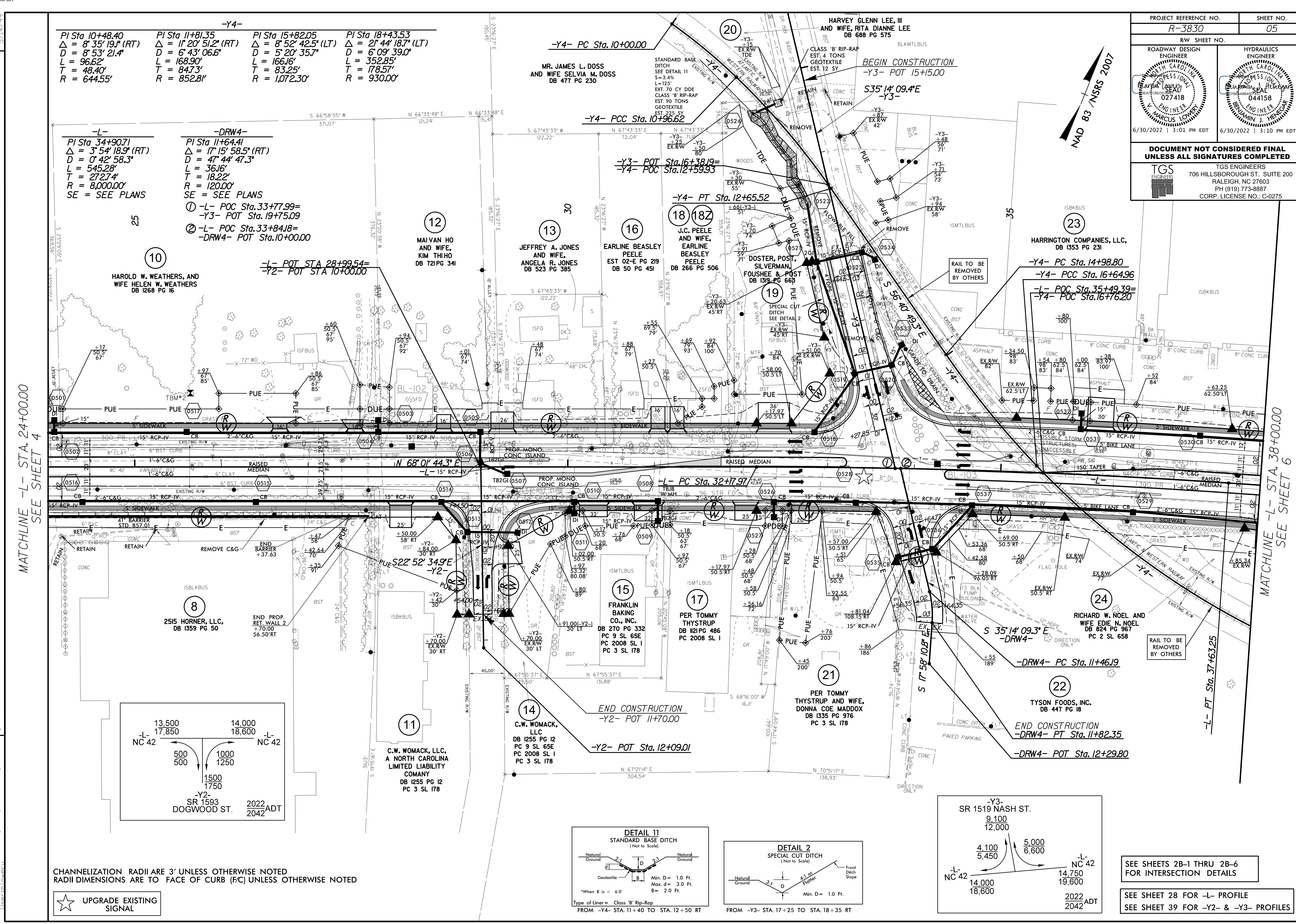
PI Sta 10+48.40 Δ = 8° 35' 19.1" (RT) D = 8' 53' 21.4" L = 96.62' T = 48.40' R = 644.55'	PI Sta 11+81.35 Δ = 1° 20' 51.2" (RT) D = 6' 43' 06.6" L = 166.16' T = 84.73' R = 852.81'	PI Sta 15+82.05 Δ = 8° 52' 42.5" (LT) D = 5' 20' 35.7" L = 166.16' T = 83.25' R = 1,072.30'	PI Sta 18+43.53 Δ = 2° 44' 18.7" (LT) D = 6' 09' 39.0" L = 352.85' T = 178.57' R = 930.00'
---------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

-L-

PI Sta 34+90.71 Δ = 3° 54' 18.9" (RT) D = 0' 42' 58.3" L = 545.28' T = 272.74' R = 8,000.00' SE = SEE PLANS	-DRW4-
-------------------------------------------------------------------------------------------------------------------------------	---------------

PI Sta 11+64.41
Δ = 17° 15' 58.5" (RT)
D = 47' 44' 47.3"
L = 36.16'
T = 18.22'
R = 120.00'
SE = SEE PLANS

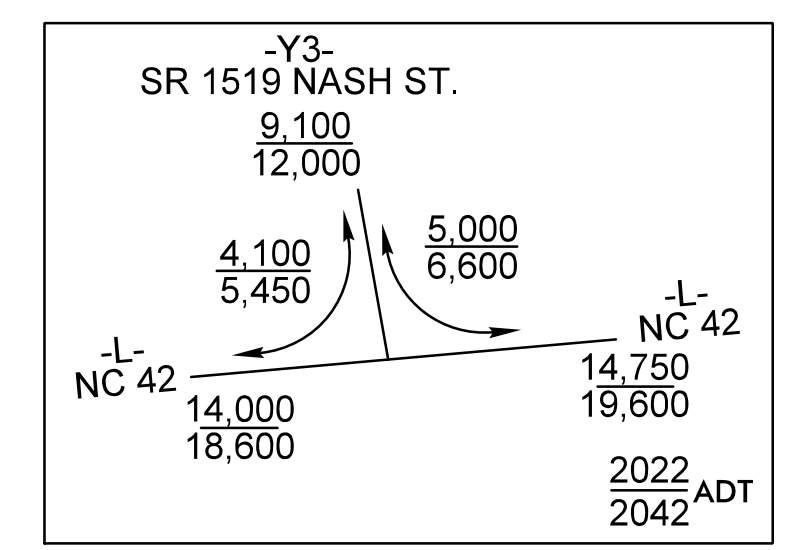
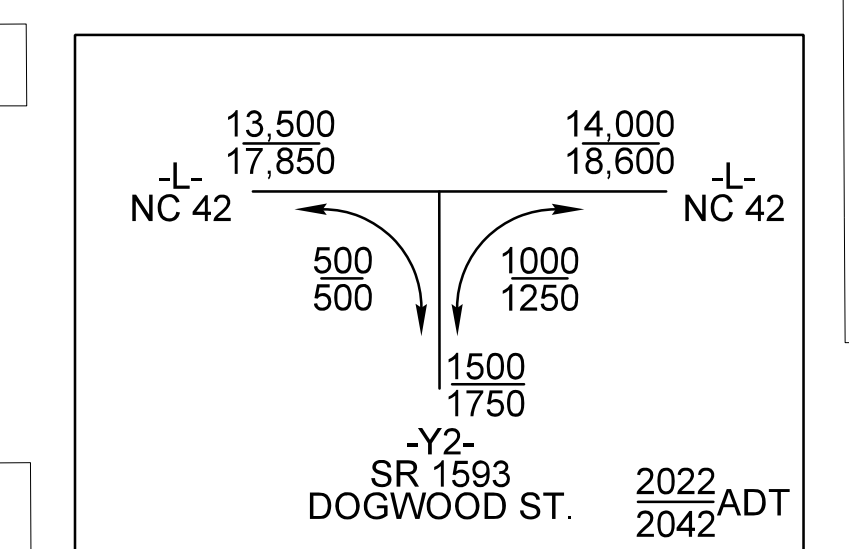
- ① -L- POC Sta. 33+77.99=
-Y3- POT Sta. 19+75.09
- ② -L- POC Sta. 33+84.18=
-DRW4- POT Sta. 10+00.00



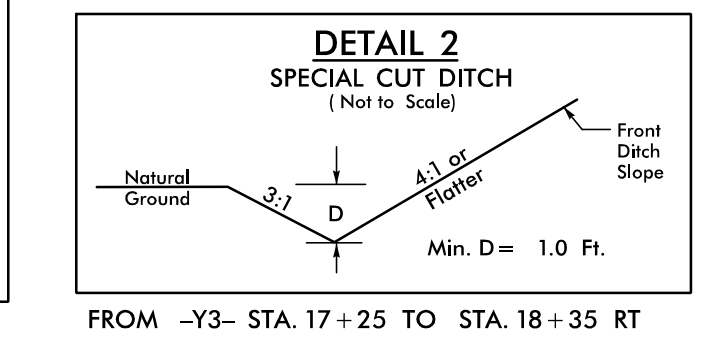
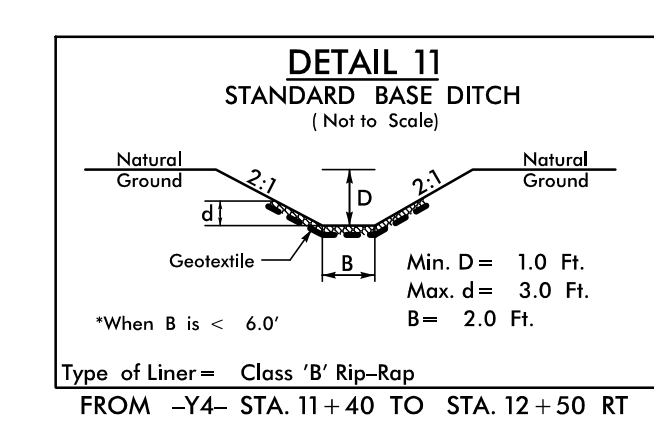
PROJECT REFERENCE NO. R-3830	SHEET NO. 05
ROADWAY DESIGN ENGINEER TGS ENGINEERS 027418	HYDRAULICS ENGINEER TGS ENGINEERS 044158
6/30/2022 3:01 PM EDT	6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

MATCHLINE -L- STA. 24+00.00
SEE SHEET 4

MATCHLINE -L- STA. 38+00.00
SEE SHEET 6



CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED



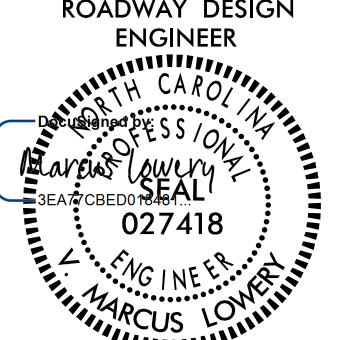
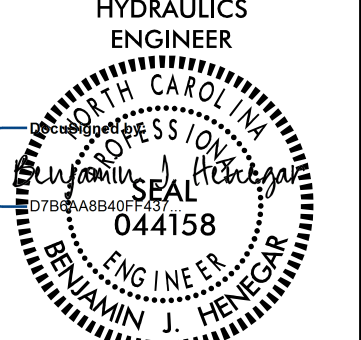
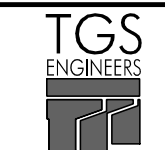
SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 28 FOR -L- PROFILE

SEE SHEET 39 FOR -Y2- & -Y3- PROFILES

5/21/2022

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PROJECT REFERENCE NO. R-3830		SHEET NO. 06	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275			

-L-

PI Sta 42+84.18
 $\Delta = 3' 08" 15.6" (RT)$
 $D = 0' 42" 58.3"$
 $L = 438.10'$
 $T = 219.11'$
 $R = 8,000.00'$
 SE = NC

PI Sta 49+69.18
 $\Delta = 3' 08" 15.6" (LT)$
 $D = 0' 42" 58.3"$
 $L = 438.10'$
 $T = 219.11'$
 $R = 8,000.00'$
 SE = NC

-Y4-

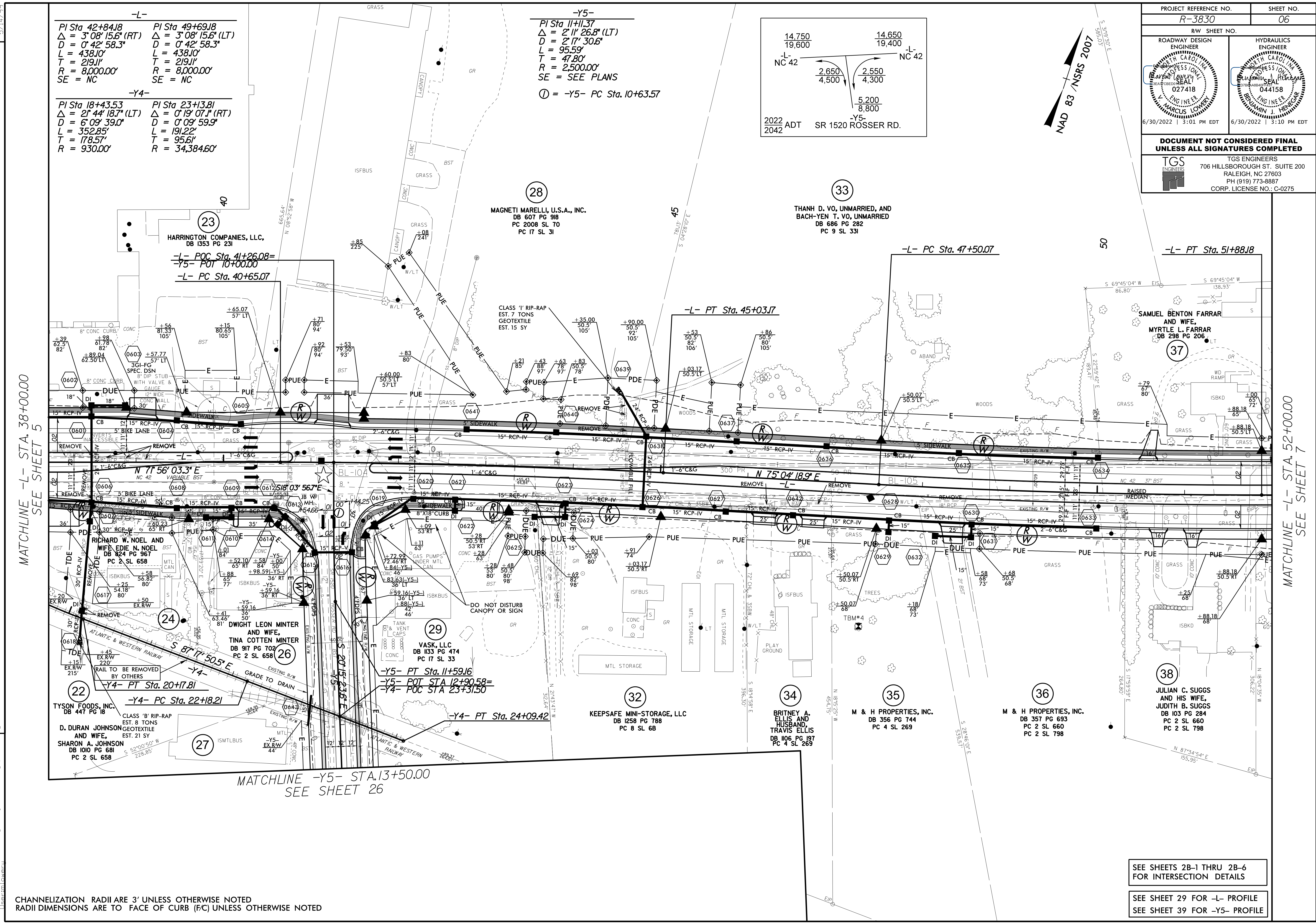
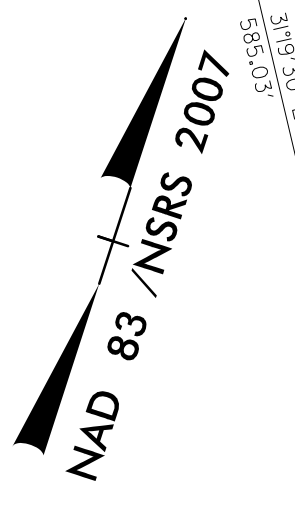
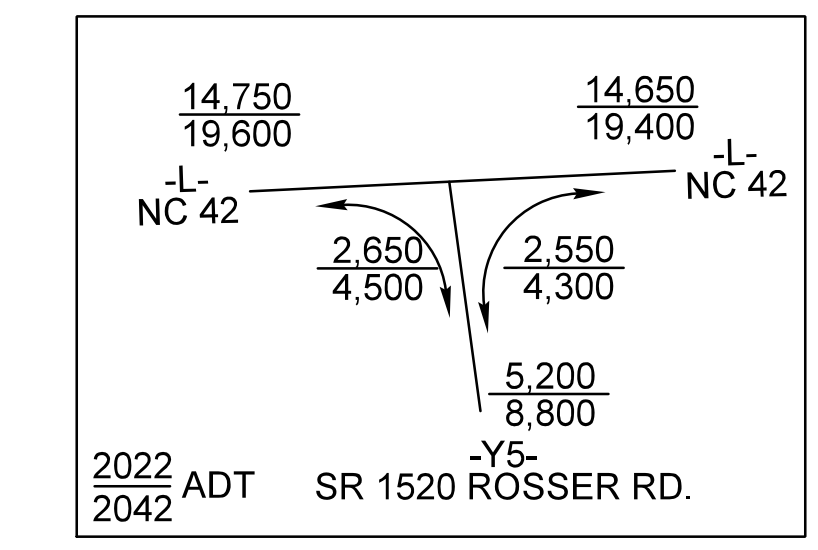
PI Sta 18+43.53
 $\Delta = 2' 44" 18.7" (LT)$
 $D = 6' 09" 39.0"$
 $L = 352.85'$
 $T = 178.57'$
 $R = 930.00'$

PI Sta 23+13.81
 $\Delta = 0' 19" 07.1" (RT)$
 $D = 0' 09" 59.9"$
 $L = 191.22'$
 $T = 95.61'$
 $R = 34,384.60'$

-Y5-

PI Sta 11+11.37
 $\Delta = 2' 11" 26.8" (LT)$
 $D = 2' 17" 30.6"$
 $L = 95.59'$
 $T = 47.80'$
 $R = 2,500.00'$
 SE = SEE PLANS

① = -Y5- PC Sta. 10+63.57



MATCHLINE -L- STA. 38+00.00
SEE SHEET 5

MATCHLINE -Y5- STA. 13+50.00
SEE SHEET 26

MATCHLINE -L- STA. 52+00.00
SEE SHEET 7

CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

SEE SHEETS 2B-1 THRU 2B-6
FOR INTERSECTION DETAILS

SEE SHEET 29 FOR -L- PROFILE
 SEE SHEET 39 FOR -Y5- PROFILE

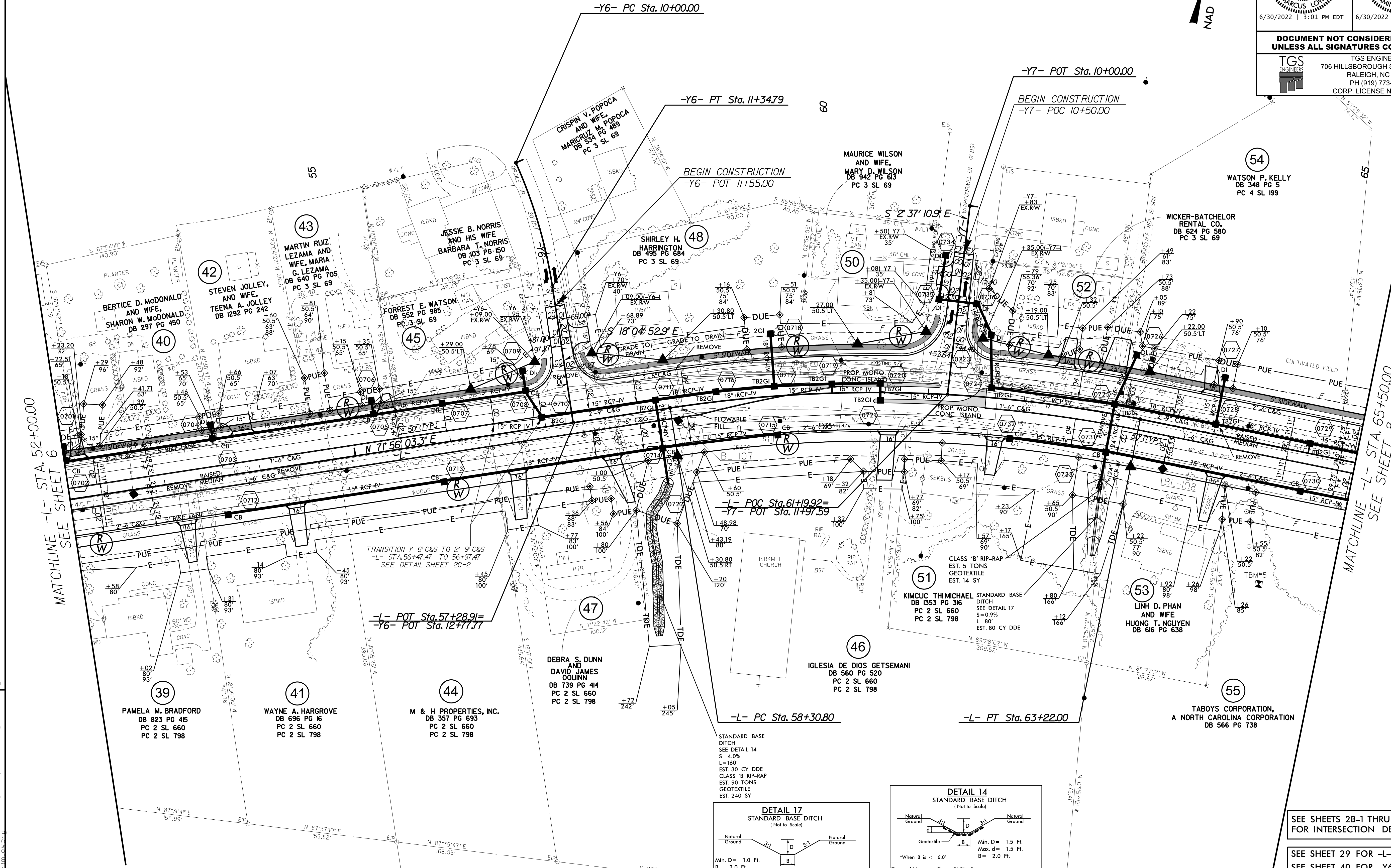
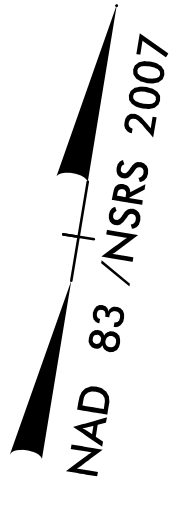
REVISIONS

E:\Projects\NC001\18-3830\Roadway\Proje\3830_rdy_psh_06.dgn
 User: jml
 Date: 6/30/2022 3:10 PM

PROJECT REFERENCE NO. R-3830		SHEET NO. 07	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		PROFESSIONAL SEAL MARCUS LOVRY 027418 6/30/2022 3:01 PM EDT	
PROFESSIONAL SEAL MARCUS LOVRY 027418 6/30/2022 3:01 PM EDT		PROFESSIONAL SEAL WILLIAM J. HENDERSON 044158 6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

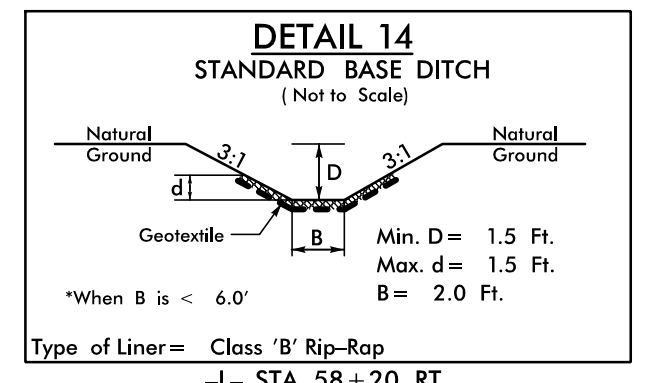
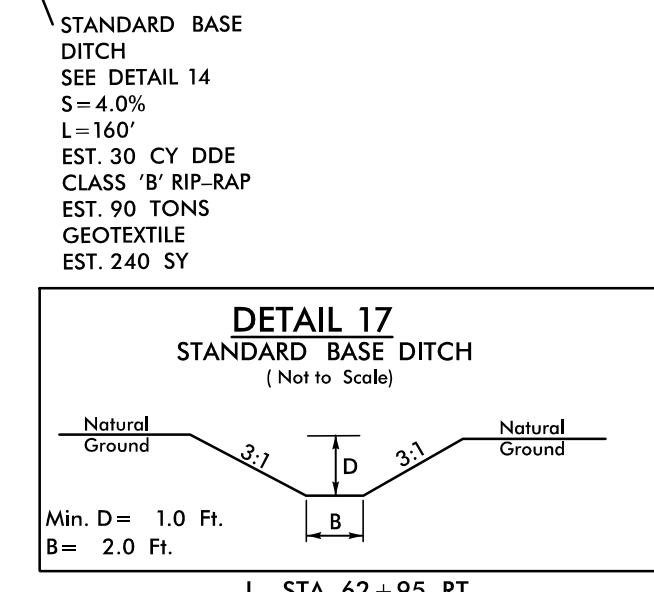
-L- **-Y6-**

PI Sta 60+78.95 PI Sta 10+67.81
 $\Delta = 20' 06' 09.9''$ (RT) $\Delta = 15' 26' 45.5''$ (RT)
 $D = 4' 05' 33.2''$ $D = 11' 27' 33.0''$
 $L = 491.20'$ $L = 134.79'$
 $T = 248.15'$ $T = 67.81'$
 $R = 1,400.00'$ $R = 500.00'$
 $SE = 0.04$ $SE = \text{SEE PLANS}$
NON-STANDARD



MATCHLINE -L- STA. 52+00.00
SEE SHEET 6

MATCHLINE -L- STA. 65+50.00
SEE SHEET 8



SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 29 FOR -L- PROFILE
SEE SHEET 40 FOR -Y6- PROFILE
SEE SHEET 40 FOR -Y7- PROFILE

RADI DIMENSIONS ARE TO FACE OF CURB (FC) UNLESS OTHERWISE NOTED

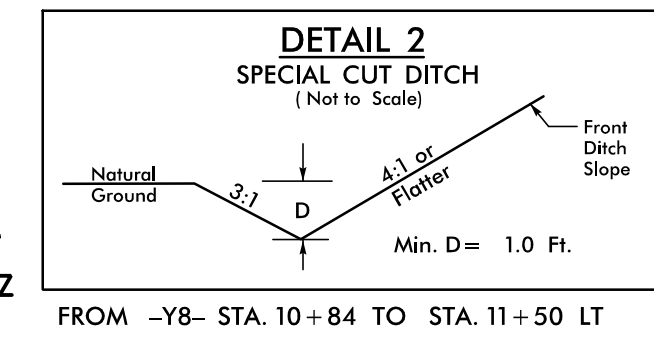
REVISIONS

C:\projects\NCDD\Roadway\Proje\N-3830_rdy_psh_07.dgn

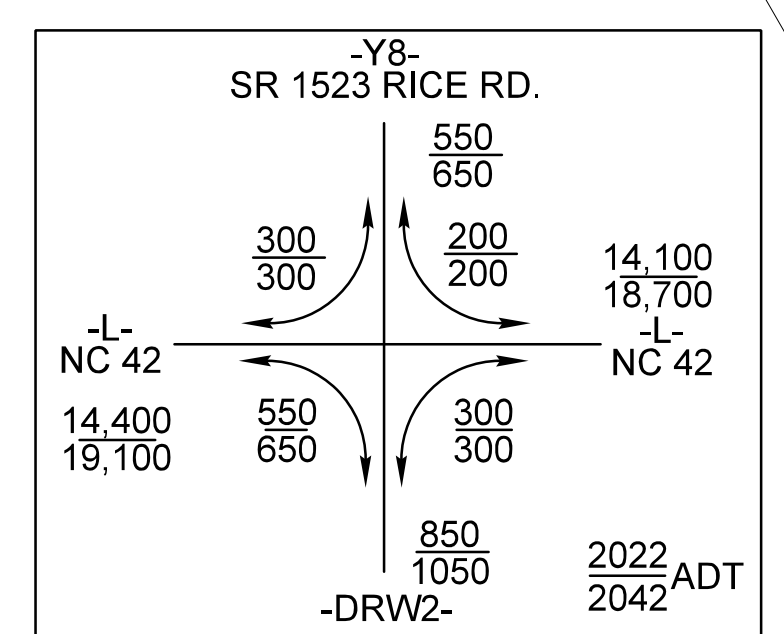
PROJECT REFERENCE NO. R-3830		SHEET NO. 08	
ROADWAY DESIGN ENGINEER JOSE SOCORRO PEREZ AND WIFE, MARIA VERONICA RAMIREZ DE PEREZ DB 1337 PG 995 PC 2 SL 409		HYDRAULICS ENGINEER MARCUS J. LOWERY DB 044158 PC 2 SL 409	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH ST., SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275



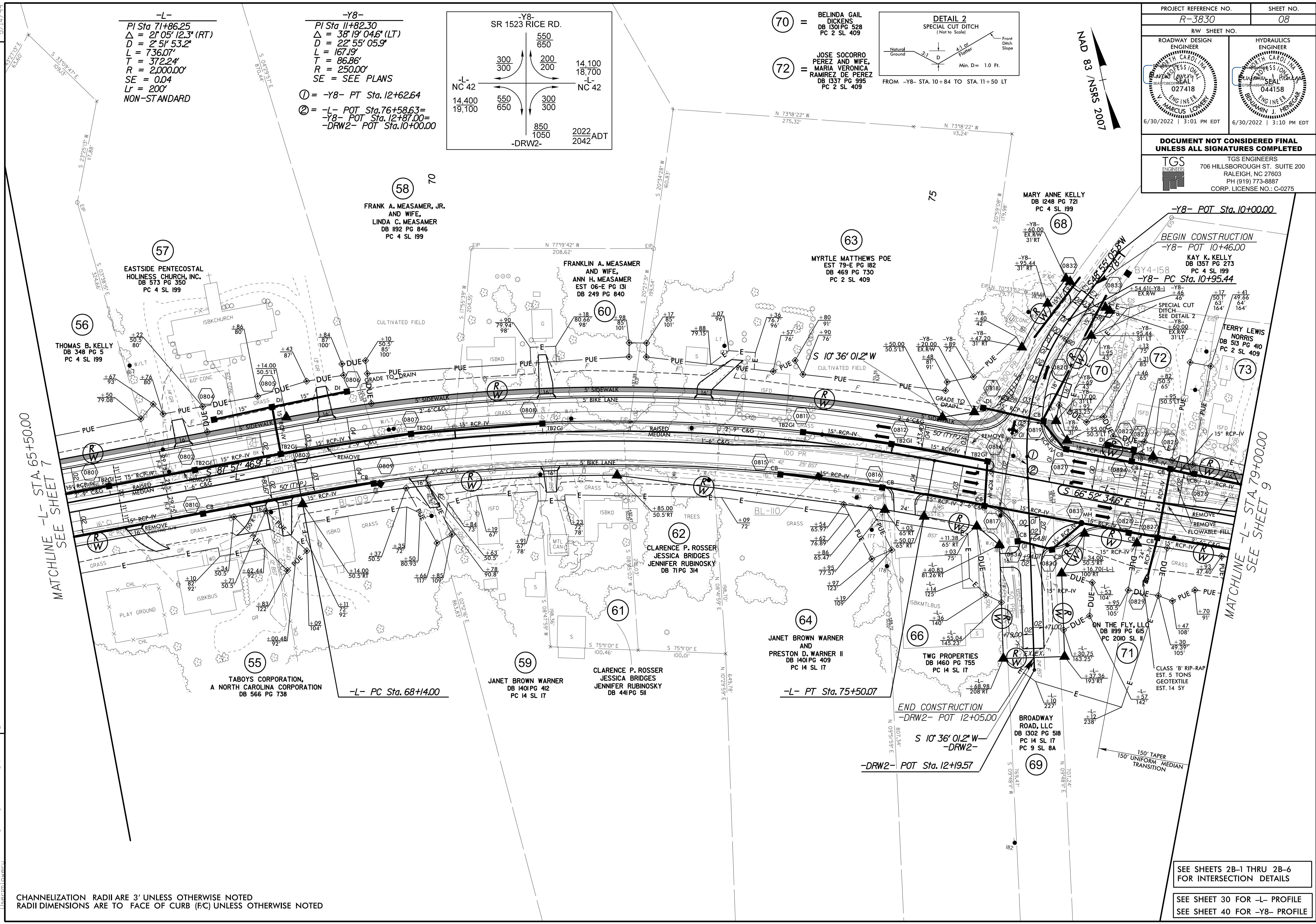
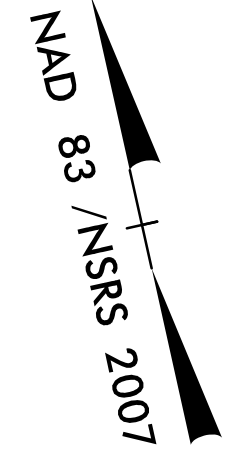
- 70 = BELINDA GAIL DICKENS
DB 1301 PG 528
PC 2 SL 409
- 72 = JOSE SOCORRO PEREZ AND WIFE, MARIA VERONICA RAMIREZ DE PEREZ
DB 1337 PG 995
PC 2 SL 409



-L-
PI Sta 71+86.25
Δ = 2° 05' 12.3" (RT)
D = 2' 51' 53.2"
L = 736.07'
T = 372.24'
R = 2,000.00'
SE = 0.04
Lr = 200'
NON-STANDARD

-Y8-
PI Sta 11+82.30
Δ = 38° 19' 04.6" (LT)
D = 22' 55' 05.9"
L = 167.19'
T = 86.86'
R = 250.00'
SE = SEE PLANS

- 1 = -Y8- PT Sta. 12+62.64
- 2 = -L- POT Sta. 76+58.63 =
-Y8- POT Sta. 12+87.00 =
-DRW2- POT Sta. 10+00.00



MATCHLINE -L- STA. 65+50.00 SEE SHEET 7

MATCHLINE -L- STA. 79+00.00 SEE SHEET 9

CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

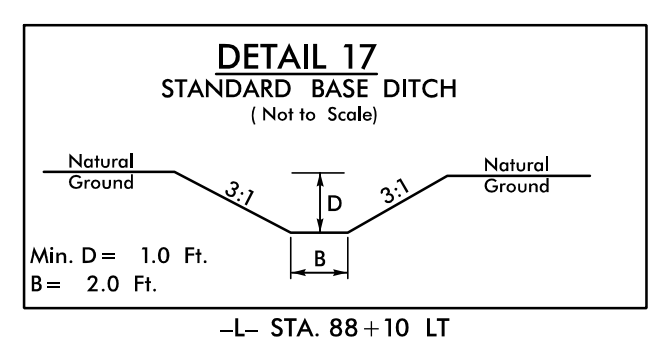
SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 30 FOR -L- PROFILE
SEE SHEET 40 FOR -Y8- PROFILE

REVISIONS

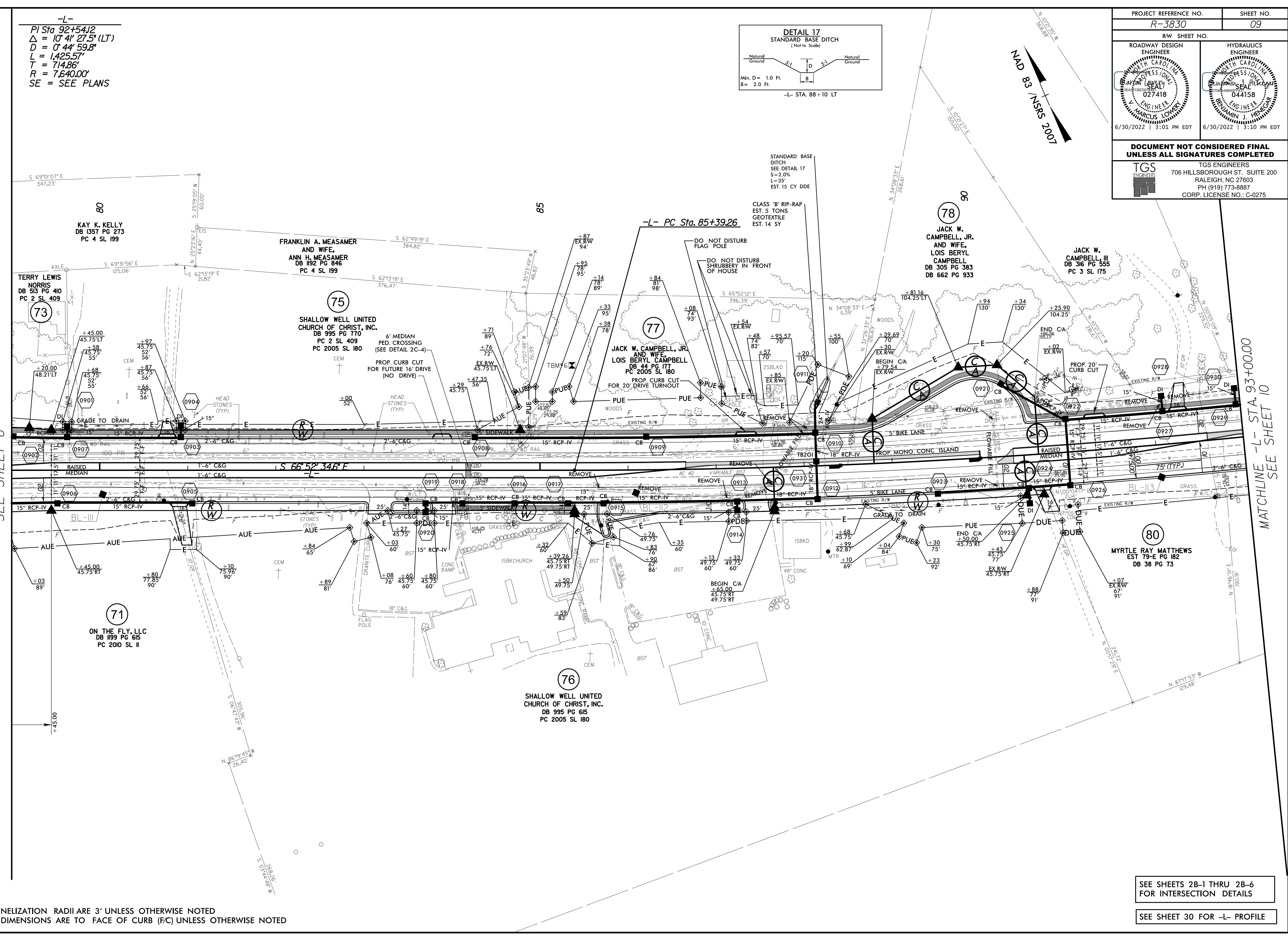
C:\Users\mcd\OneDrive\Documents\Roadway\Proj\N-3830_rdy_psh_08.dgn

PROJECT REFERENCE NO. R-3830		SHEET NO. 09	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER THOMAS J. LOVLY 027418 6/30/2022 3:01 PM EDT		HYDRAULICS ENGINEER WILLIAM J. HENDERSON 044158 6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275			



-L-
 PI Sta 92+54.12
 $\Delta = 10' 4'' 27.5'' (LT)$
 $D = 0' 4'' 59.8''$
 $L = 1,425.57'$
 $T = 714.86'$
 $R = 7,640.00'$
 SE = SEE PLANS

5/14/2022
 REVISIONS
 MATCHLINE -L- STA. 79+00.00
 SEE SHEET 8



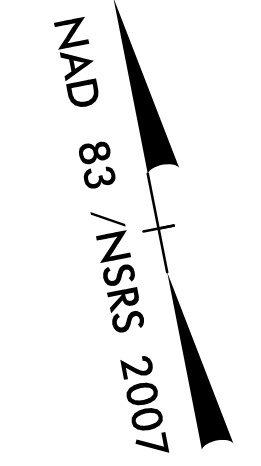
MATCHLINE -L- STA. 93+00.00
 SEE SHEET 10

SEE SHEETS 2B-1 THRU 2B-6
 FOR INTERSECTION DETAILS
 SEE SHEET 30 FOR -L- PROFILE

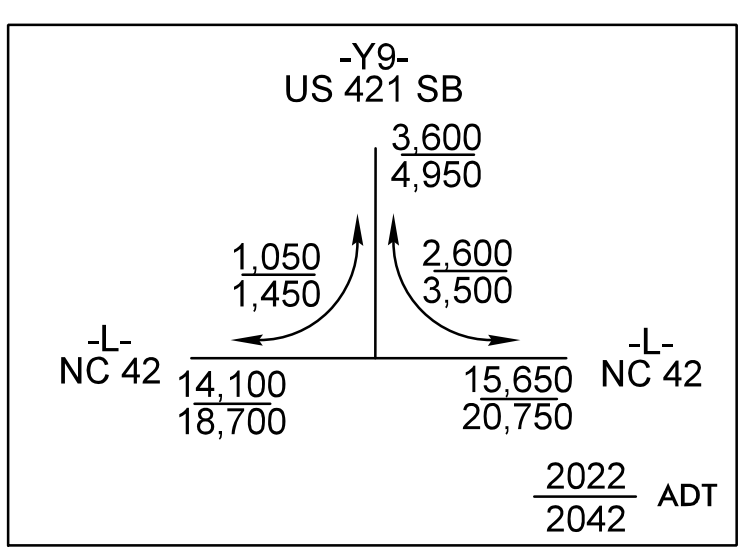
CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

5/14/2022
 TGS ENGINEERS
 PROJECTS\NC\001\24-2830\Roadway\Pr-co\N-3830_rdy_psh_09.dgn
 User:tmlovey

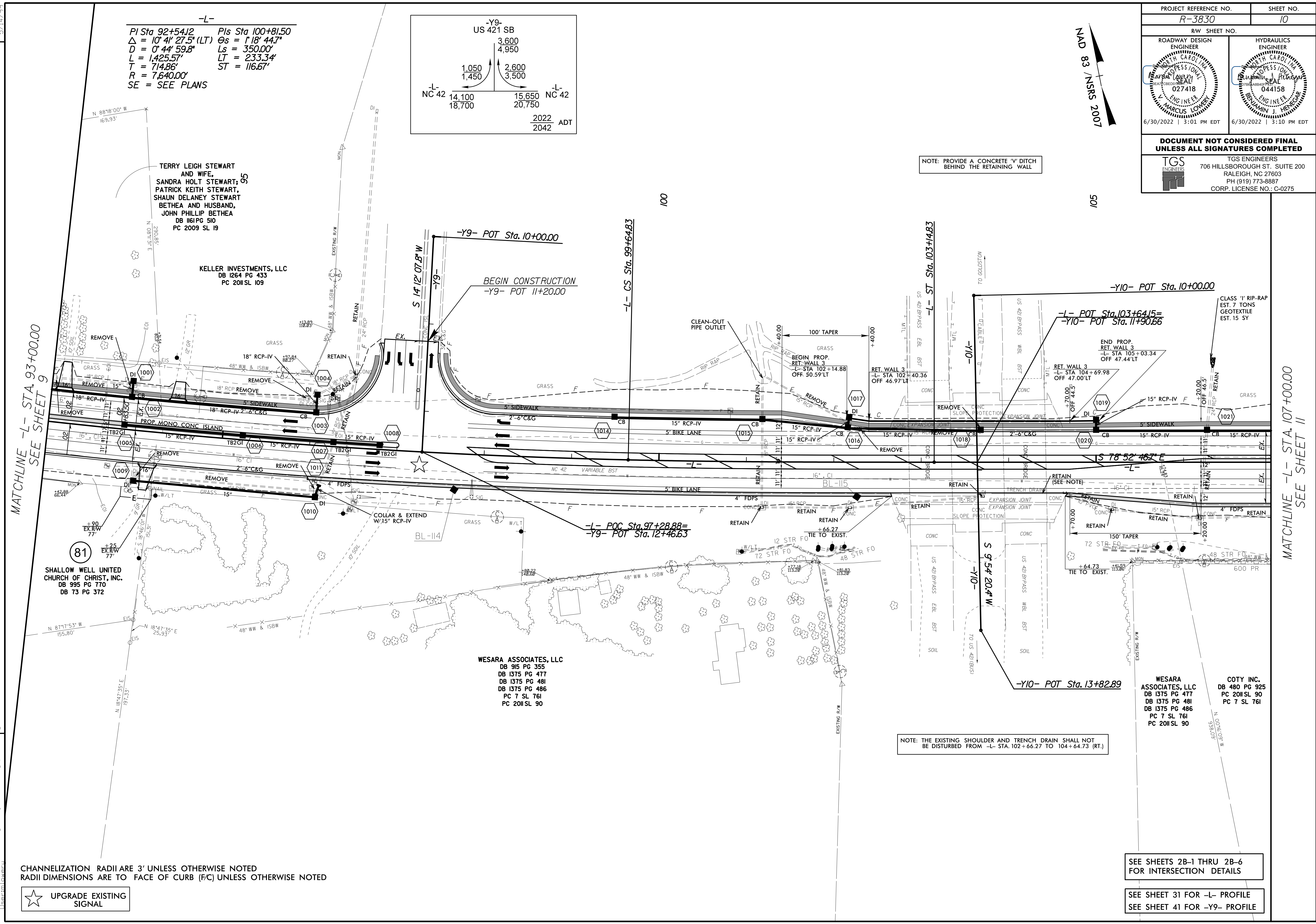
PROJECT REFERENCE NO. R-3830		SHEET NO. 10	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		ENGINEER	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



-L-
 PI Sta 92+54.12 Pls Sta 100+81.50
 $\Delta = 10^\circ 41' 27.5''$ (LT) $\Theta_s = 1^\circ 18' 44.7''$
 $D = 0^\circ 44' 59.8''$ $L_s = 350.00'$
 $L = 1,425.57'$ $LT = 233.34'$
 $T = 714.86'$ $ST = 116.67'$
 $R = 7,640.00'$
 SE = SEE PLANS



NOTE: PROVIDE A CONCRETE 'V' DITCH BEHIND THE RETAINING WALL



MATCHLINE -L- STA. 93+00.00
SEE SHEET 9

MATCHLINE -L- STA. 107+00.00
SEE SHEET 11

CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED



NOTE: THE EXISTING SHOULDER AND TRENCH DRAIN SHALL NOT BE DISTURBED FROM -L- STA. 102+66.27 TO 104+64.73 (RT.)

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

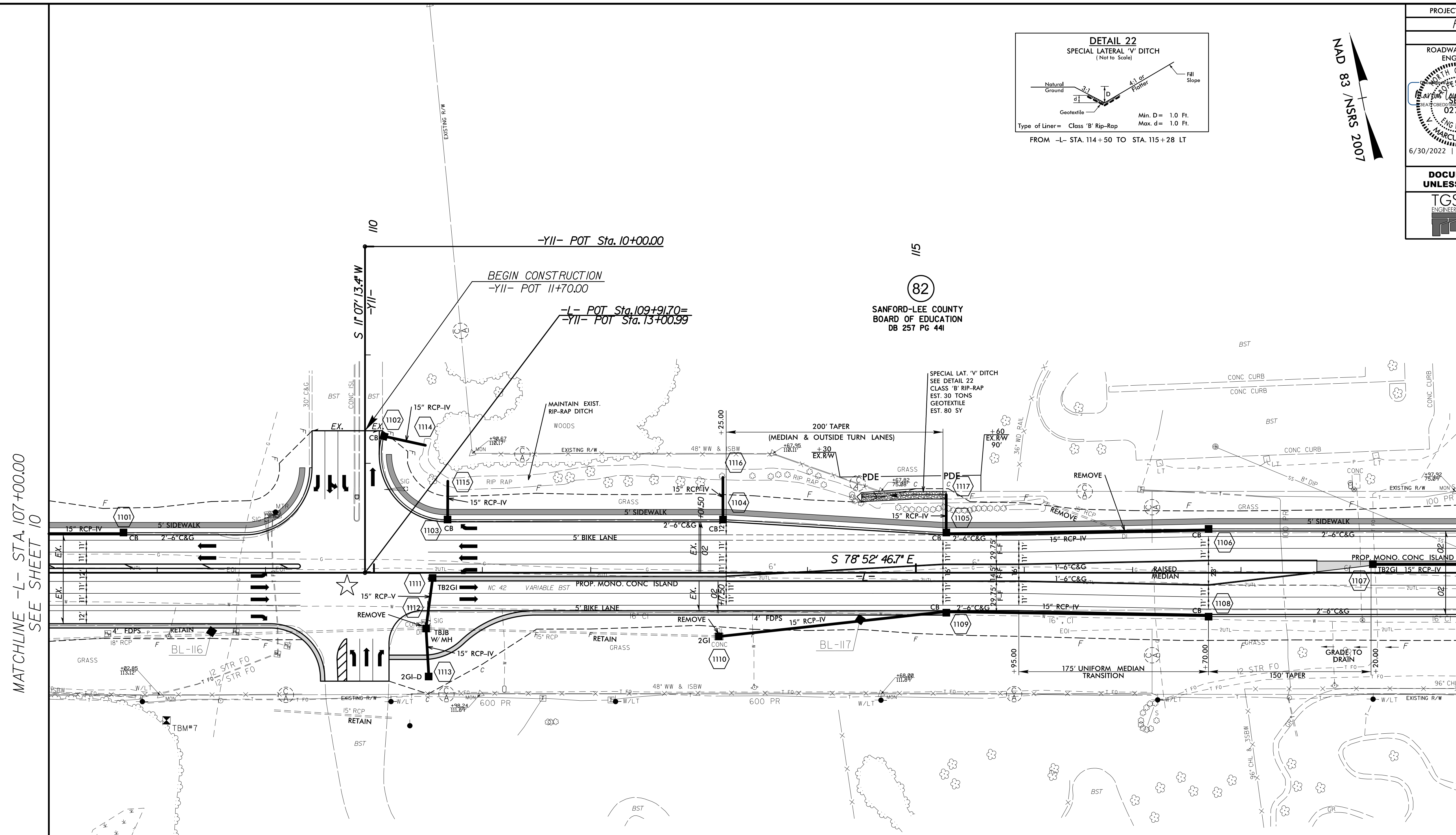
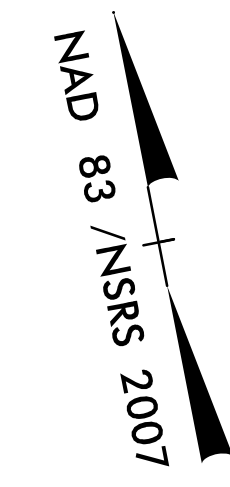
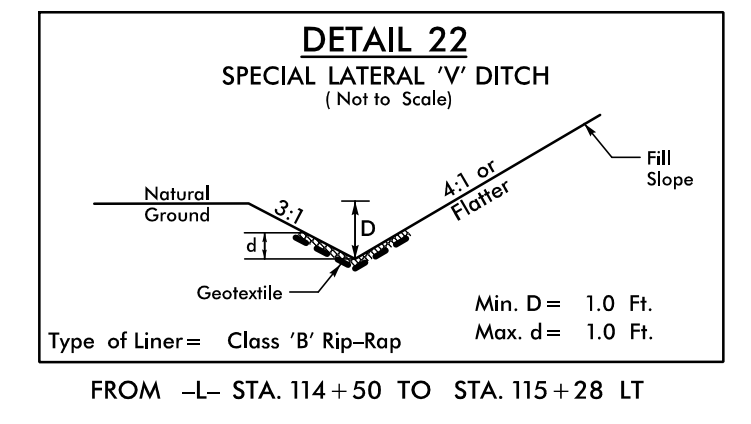
SEE SHEET 31 FOR -L- PROFILE
 SEE SHEET 41 FOR -Y9- PROFILE

REVISIONS

5/14/2022

E:\10_2822\Projects\NC DOT\10_2822\Roadway\Proj\N-3830-rdy_psh_10.dgn

PROJECT REFERENCE NO. R-3830	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
6/30/2022 3:01 PM EDT	6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

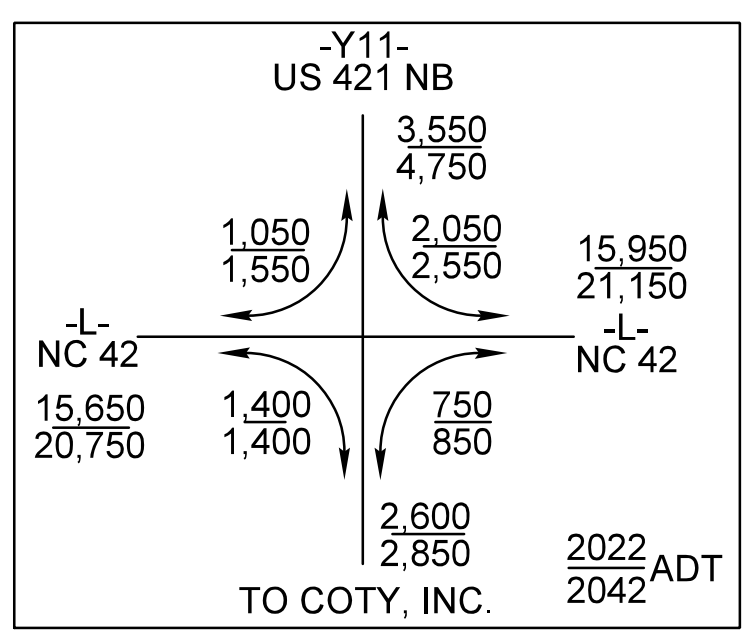


MATCHLINE -L- STA. 107+00.00
SEE SHEET 10

MATCHLINE -L- STA. 120+00.00
SEE SHEET 12

REVISIONS

COTY INC.
DB 480 PG 925
PC 2011 SL 90
PC 7 SL 761



UPGRADE EXISTING SIGNAL

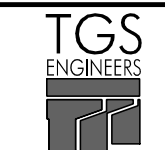
CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (FC) UNLESS OTHERWISE NOTED

SEE SHEETS 2B-1 THRU 2B-6
FOR INTERSECTION DETAILS

SEE SHEET 31 FOR -L- PROFILE
SEE SHEET 41 FOR -Y11- PROFILE

5/14/2022
F:\C\2022\3830\Roadway\Proj\3830_rdy_psh_11.dgn
User:tmlover

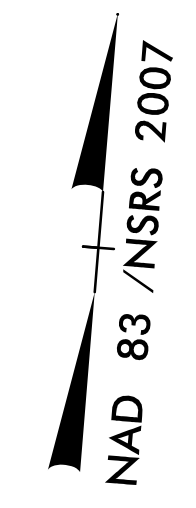
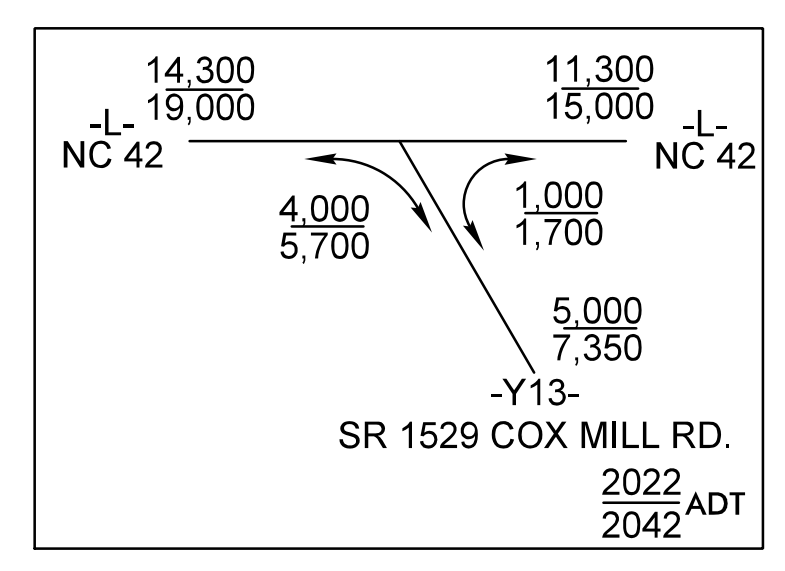
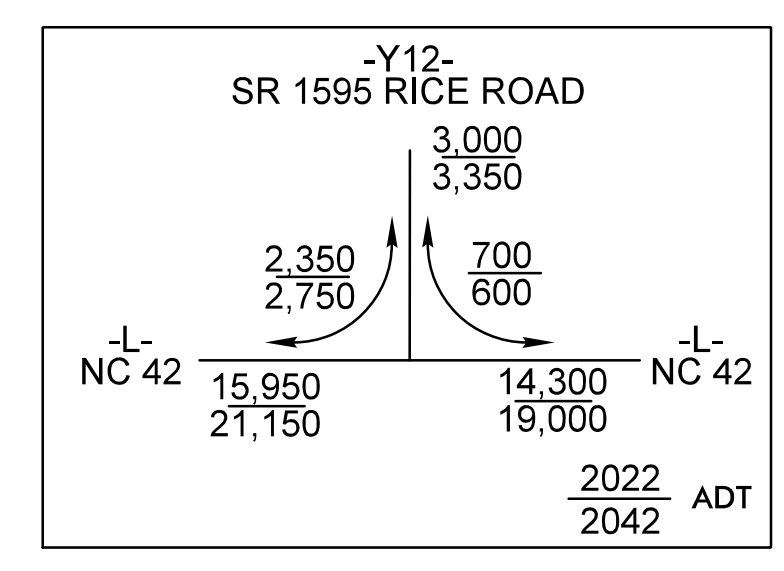
5/7/14/99

PROJECT REFERENCE NO. R-3830		SHEET NO. 12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER MARCUS LOVRY 027418 6/30/2022 3:01 PM EDT		HYDRAULICS ENGINEER WILLIAM J. HENNING 044158 6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275			

-L-
 PI Sta 130+71.82
 $\Delta = 31' 44" 13.7" (LT)$
 $D = 2' 51" 53.2"$
 $L = 1,107.84'$
 $T = 568.53'$
 $R = 2,000.00'$
 $SE = 0.04$
 $Lr = 200'$

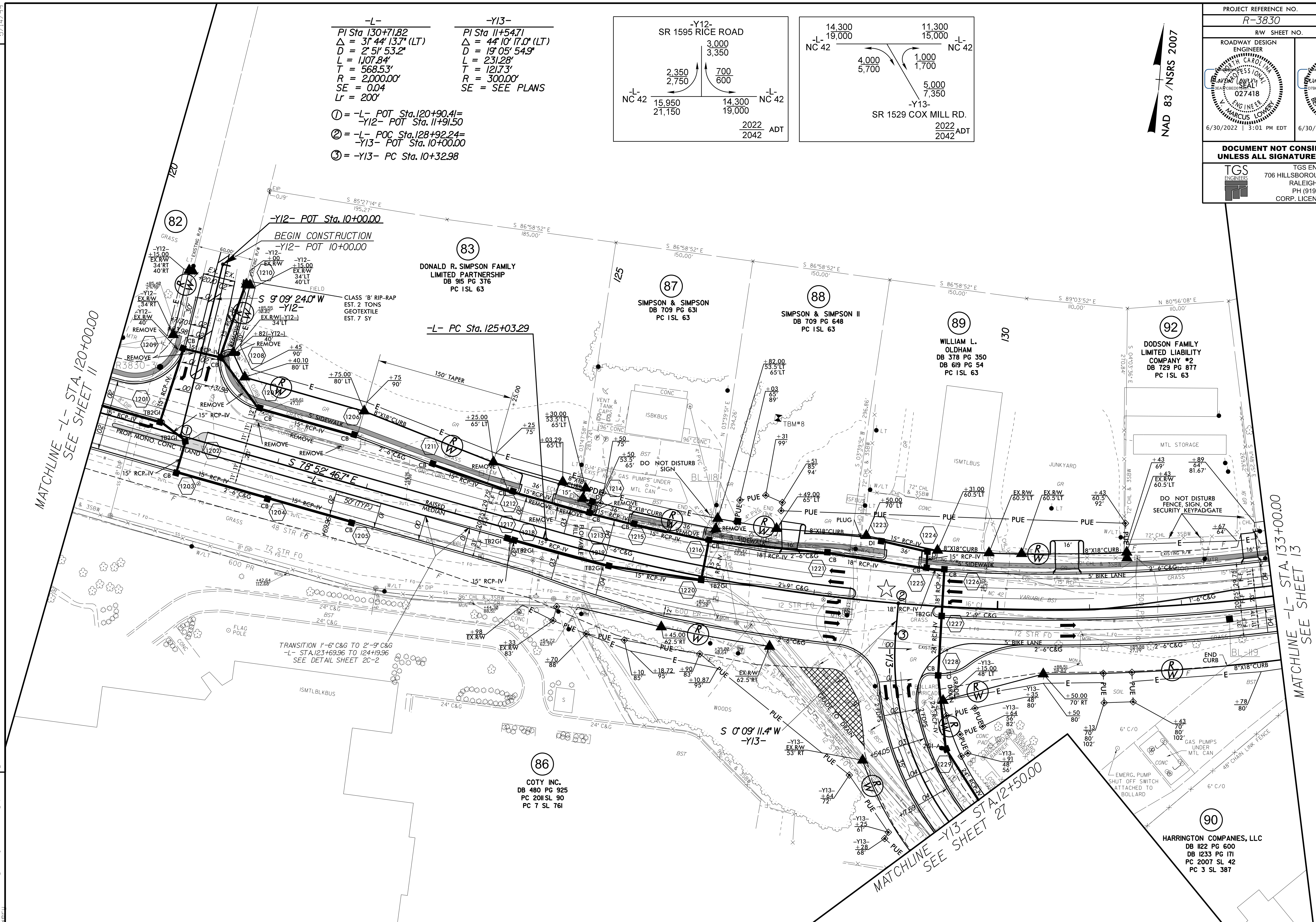
-Y12-
 PI Sta 11+54.71
 $\Delta = 44' 10" 17.0" (LT)$
 $D = 19' 05" 54.9"$
 $L = 231.28'$
 $T = 121.73'$
 $R = 300.00'$
 $SE = SEE PLANS$

① = -L- POT Sta. 120+90.41 = -Y12- POT Sta. 11+91.50
 ② = -L- POC Sta. 128+92.24 = -Y13- POT Sta. 10+00.00
 ③ = -Y13- PC Sta. 10+32.98



MATCHLINE -L- STA. 120+00.00
SEE SHEET 11

MATCHLINE -L- STA. 133+00.00
SEE SHEET 13



★ UPGRADE EXISTING SIGNAL

SEE SHEET 32 FOR -L- PROFILE
 SEE SHEET 41 FOR -Y12- PROFILE
 SEE SHEET 41 FOR -Y13- PROFILE

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

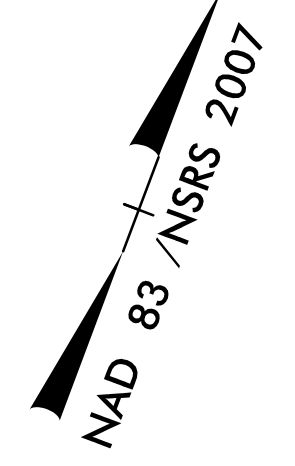
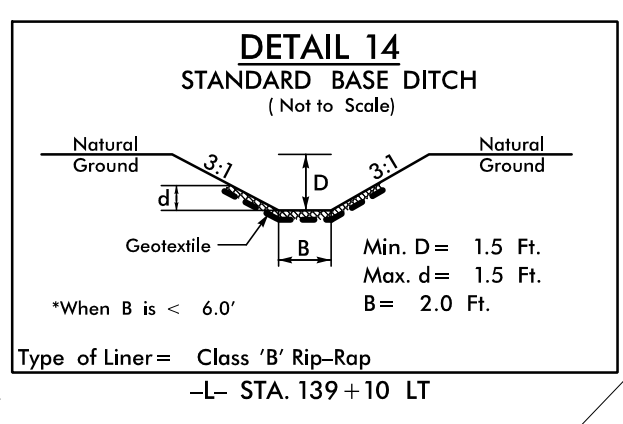
CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

REVISIONS

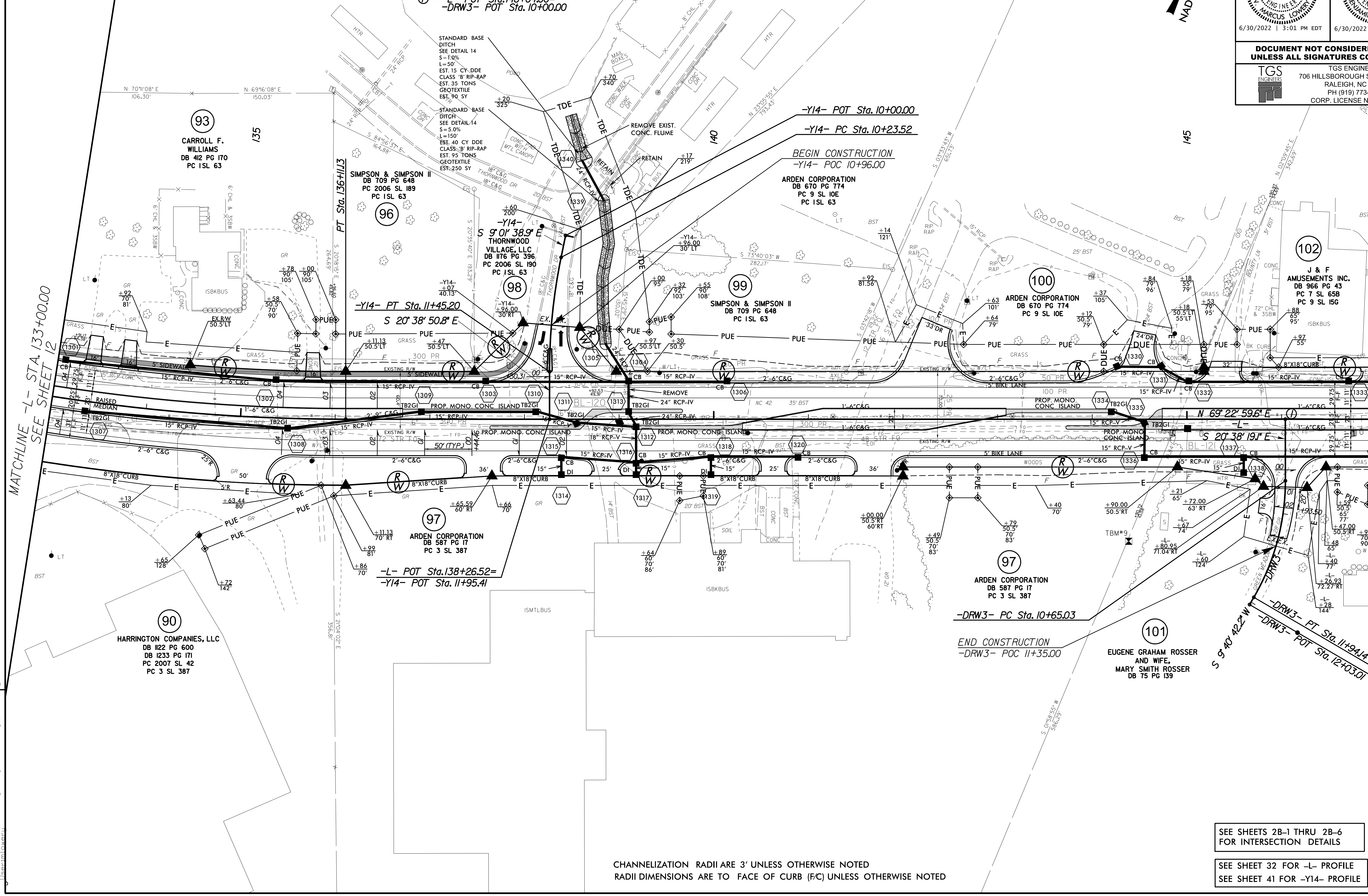
Projects\NC001\12-28-22\Roadway\Proj\3830-rdy_psh_12.dgn

5/7/14/99

<p>-L- PI Sta 130+71.82 Δ = 31' 44" 13.7" (LT) D = 2' 51" 53.2" L = 1,107.84' T = 568.53' R = 2,000.00' SE = 0.04 Lr = 200'</p>	<p>-Y14- PI Sta 10+84.57 Δ = 11' 37" 11.9" (LT) D = 9' 32" 57.5" L = 121.68' T = 61.05' R = 600.00' SE = SEE PLANS</p>	<p>-DRW3- PI Sta 11+31.13 Δ = 30' 19" 01.4" (RT) D = 23' 28" 54.8" L = 129.11' T = 66.10' R = 244.00' SE = SEE PLANS</p>
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PROJECT REFERENCE NO. R-3830	SHEET NO. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER MARCUS LOWERY 027418 6/30/2022 3:01 PM EDT	HYDRAULICS ENGINEER MARCUS LOWERY 044158 6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



REVISIONS

MATCHLINE -L- STA. 147+00.00 SEE SHEET 14

CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

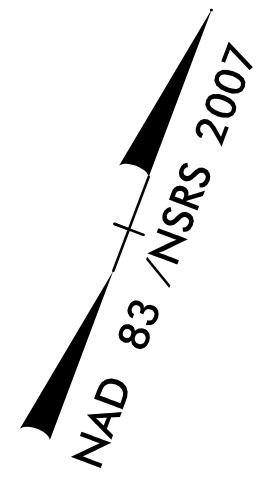
SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 32 FOR -L- PROFILE

SEE SHEET 41 FOR -Y14- PROFILE

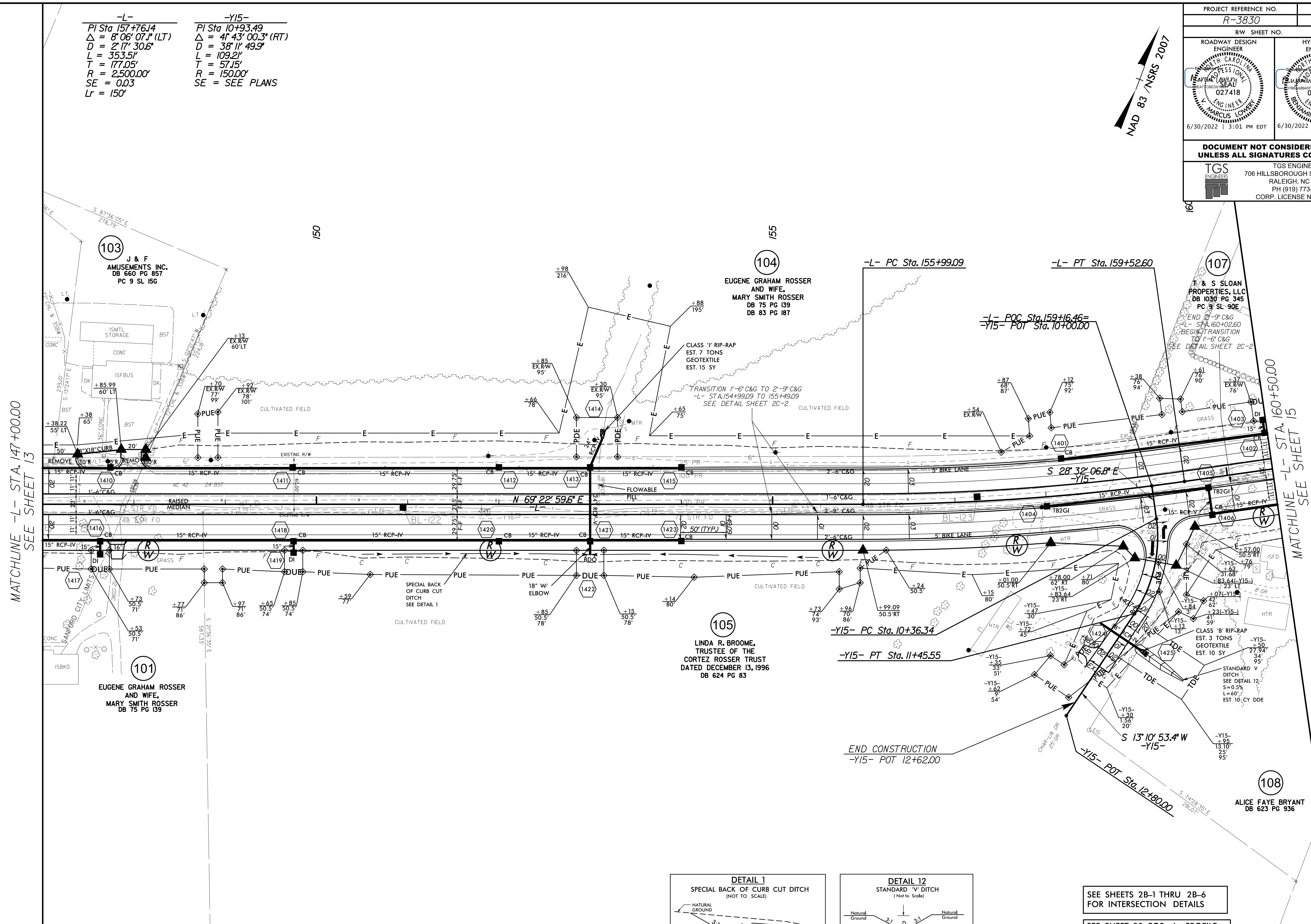
Projects\NICDOT\483830\Roadway\Proj\A-3830-rdy-psh-13.dgn

PROJECT REFERENCE NO. R-3830		SHEET NO. 14	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



-L-
 PI Sta 157+76.14
 $\Delta = 8^{\circ} 06' 07.1''$ (LT)
 D = 2' 17" 30.6"
 L = 353.51'
 T = 177.05'
 R = 2,500.00'
 SE = 0.03
 Lr = 150'

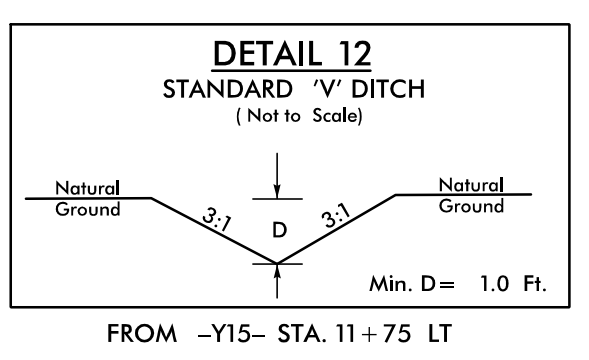
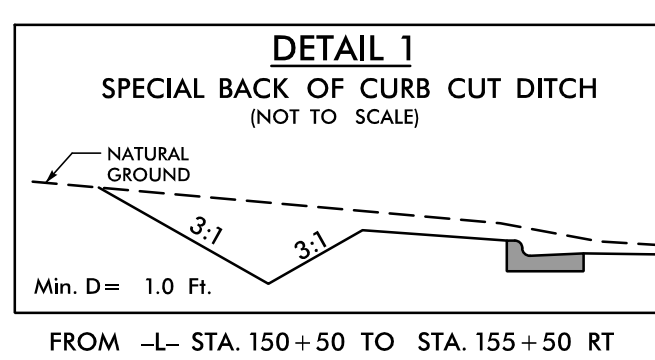
-Y15-
 PI Sta 10+93.49
 $\Delta = 41^{\circ} 43' 00.3''$ (RT)
 D = 38' 11" 49.9"
 L = 109.21'
 T = 57.15'
 R = 150.00'
 SE = SEE PLANS



MATCHLINE -L- STA. 147+00.00
SEE SHEET 13

MATCHLINE -L- STA. 160+50.00
SEE SHEET 15

REVISIONS

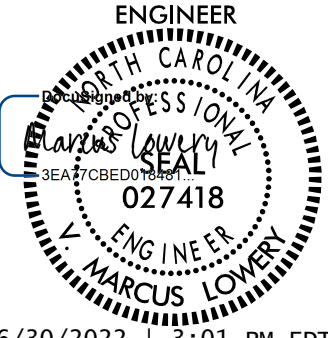
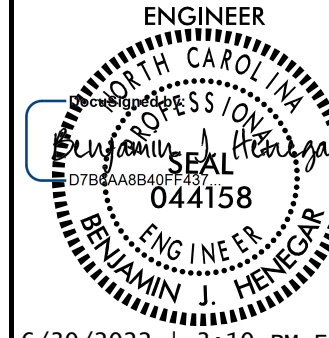
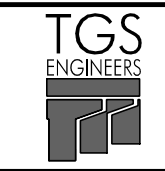


CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

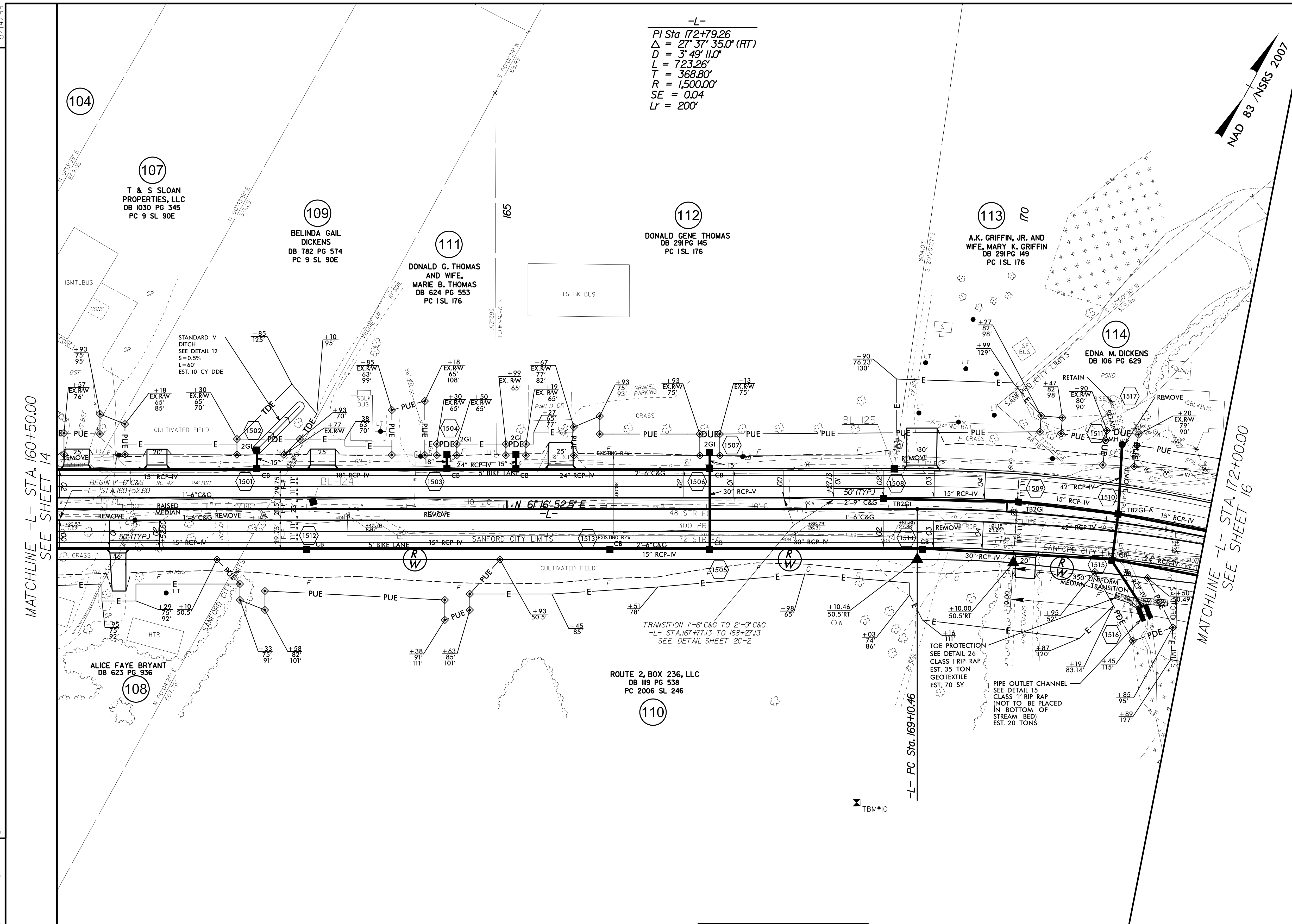
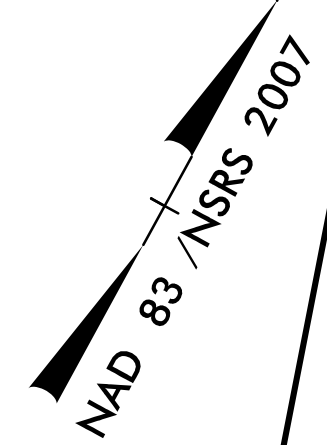
SEE SHEETS 2B-1 THRU 2B-6
FOR INTERSECTION DETAILS
SEE SHEET 33 FOR -L- PROFILE
SEE SHEET 42 FOR -Y15- PROFILE

5/14/2022

Projects\NICDOT\483830\Roadway\Proj\3830_rdy_psh_14.dgn

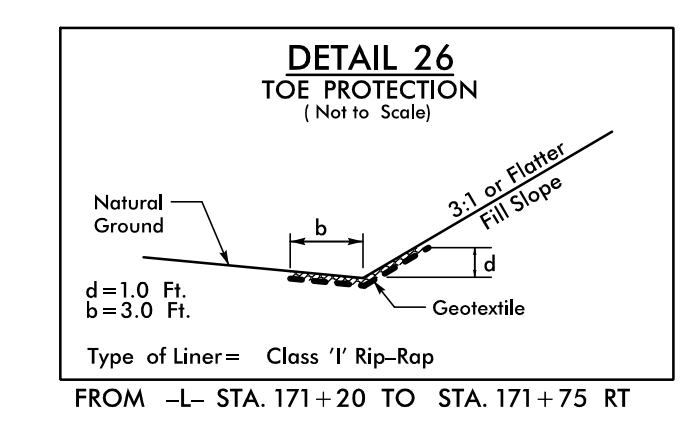
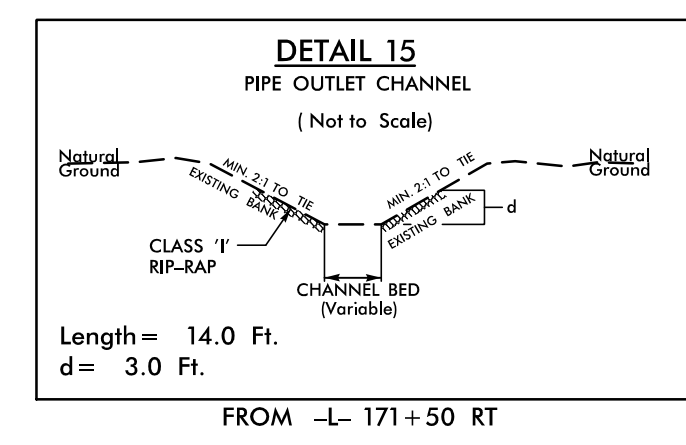
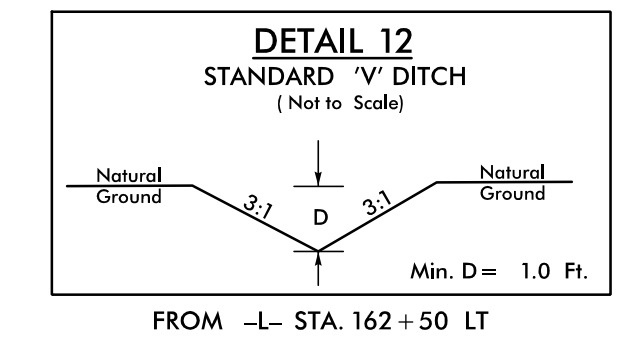
PROJECT REFERENCE NO. R-3830		SHEET NO. 15	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

-L-
PI Sta 172+79.26
 $\Delta = 27^{\circ} 37' 35.0'' (RT)$
 $D = 3^{\circ} 49' 11.0''$
 $L = 723.26'$
 $T = 368.80'$
 $R = 1,500.00'$
 $SE = 0.04$
 $Lr = 200'$



MATCHLINE -L- STA. 160+50.00
SEE SHEET 14

MATCHLINE -L- STA. 172+00.00
SEE SHEET 16



SEE SHEET 33 FOR -L- PROFILE

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

REVISIONS

5/14/19

E:\Projects\NICDOT\19-3830-Roadway\Proj\19-3830-rdy_psh_15.dgn

PROJECT REFERENCE NO. R-3830	SHEET NO. 16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER MARCUS LOMERY 027418	HYDRAULICS ENGINEER MARCUS LOMERY 044158
6/30/2022 3:01 PM EDT	6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

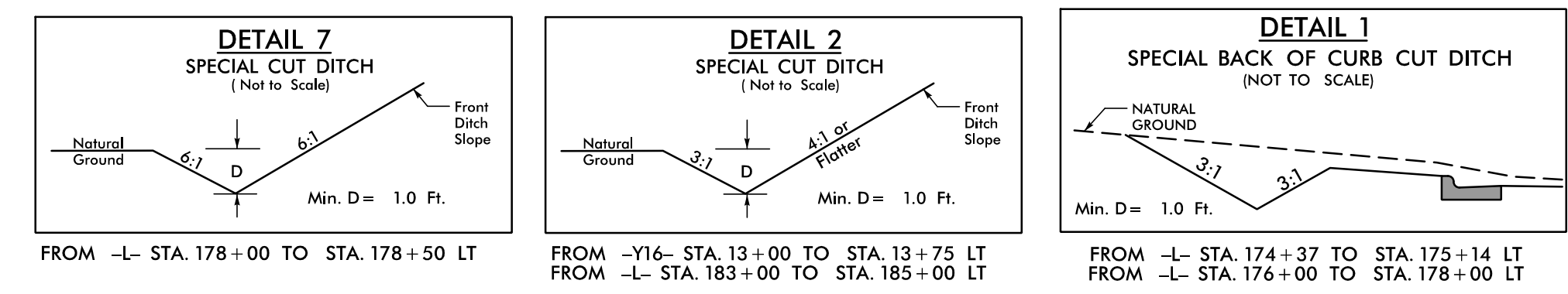
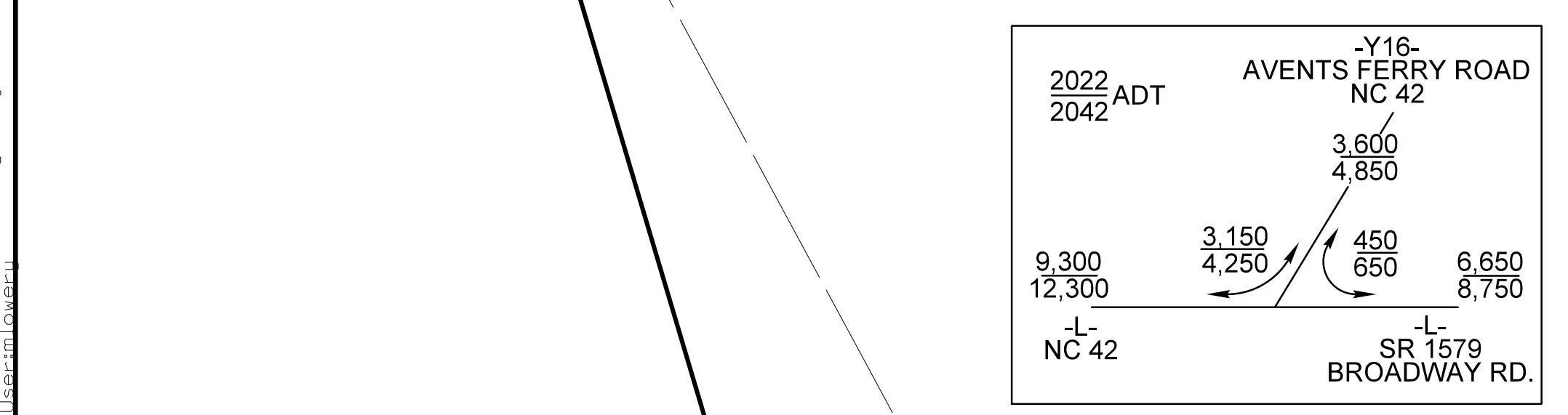
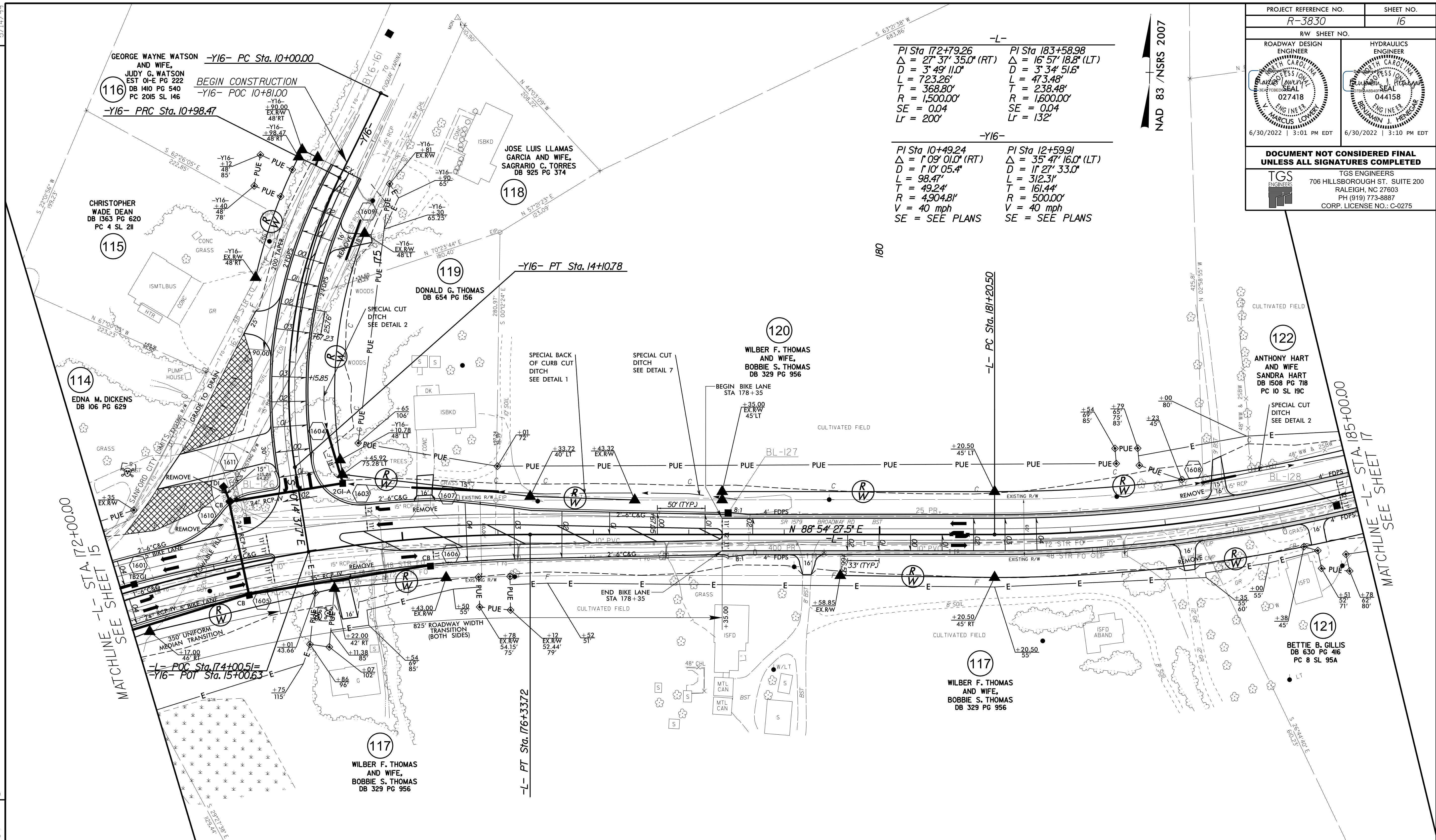
NAD 83 / NSRS 2007

-L-

PI Sta 172+79.26 $\Delta = 27^{\circ} 37' 35.0''$ (RT) D = 3' 49' 11.0" L = 723.26' T = 368.80' R = 1,500.00' SE = 0.04 Lr = 200'	PI Sta 183+58.98 $\Delta = 16^{\circ} 57' 18.8''$ (LT) D = 3' 34' 51.6" L = 473.48' T = 238.48' R = 1,600.00' SE = 0.04 Lr = 132'
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-Y16-

PI Sta 10+49.24 $\Delta = 1^{\circ} 09' 01.0''$ (RT) D = 1' 10' 05.4" L = 98.47' T = 49.24' R = 4,904.81' V = 40 mph SE = SEE PLANS	PI Sta 12+59.91 $\Delta = 35^{\circ} 47' 16.0''$ (LT) D = 1' 27' 33.0" L = 312.31' T = 161.44' R = 500.00' V = 40 mph SE = SEE PLANS
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RADI DIMENSIONS ARE TO FACE OF CURB (F/C) UNLESS OTHERWISE NOTED

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 34 FOR -L- PROFILE

SEE SHEET 42 FOR -Y16- PROFILE

REVISIONS

5/14/19

5/10/2022

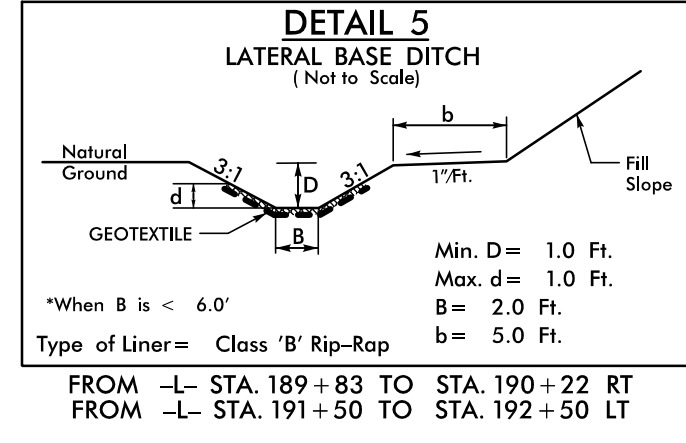
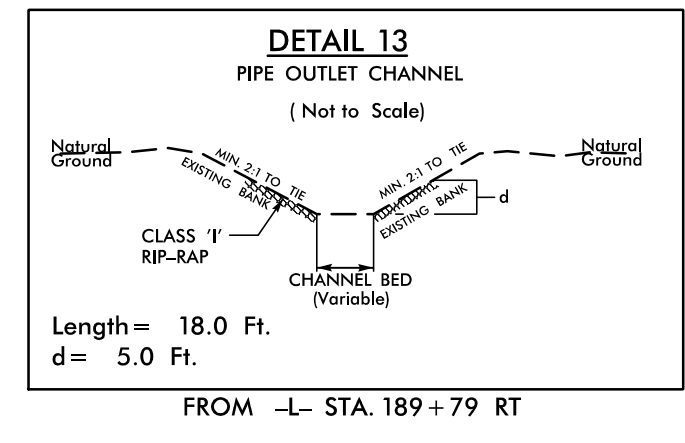
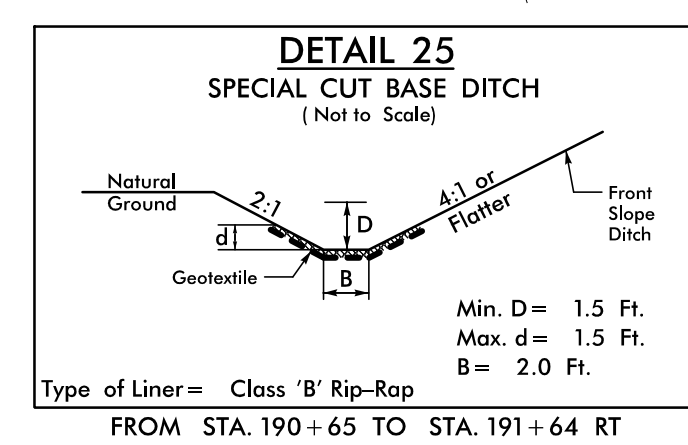
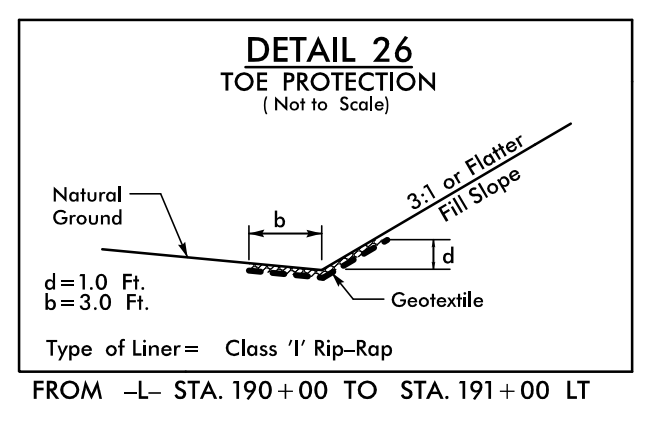
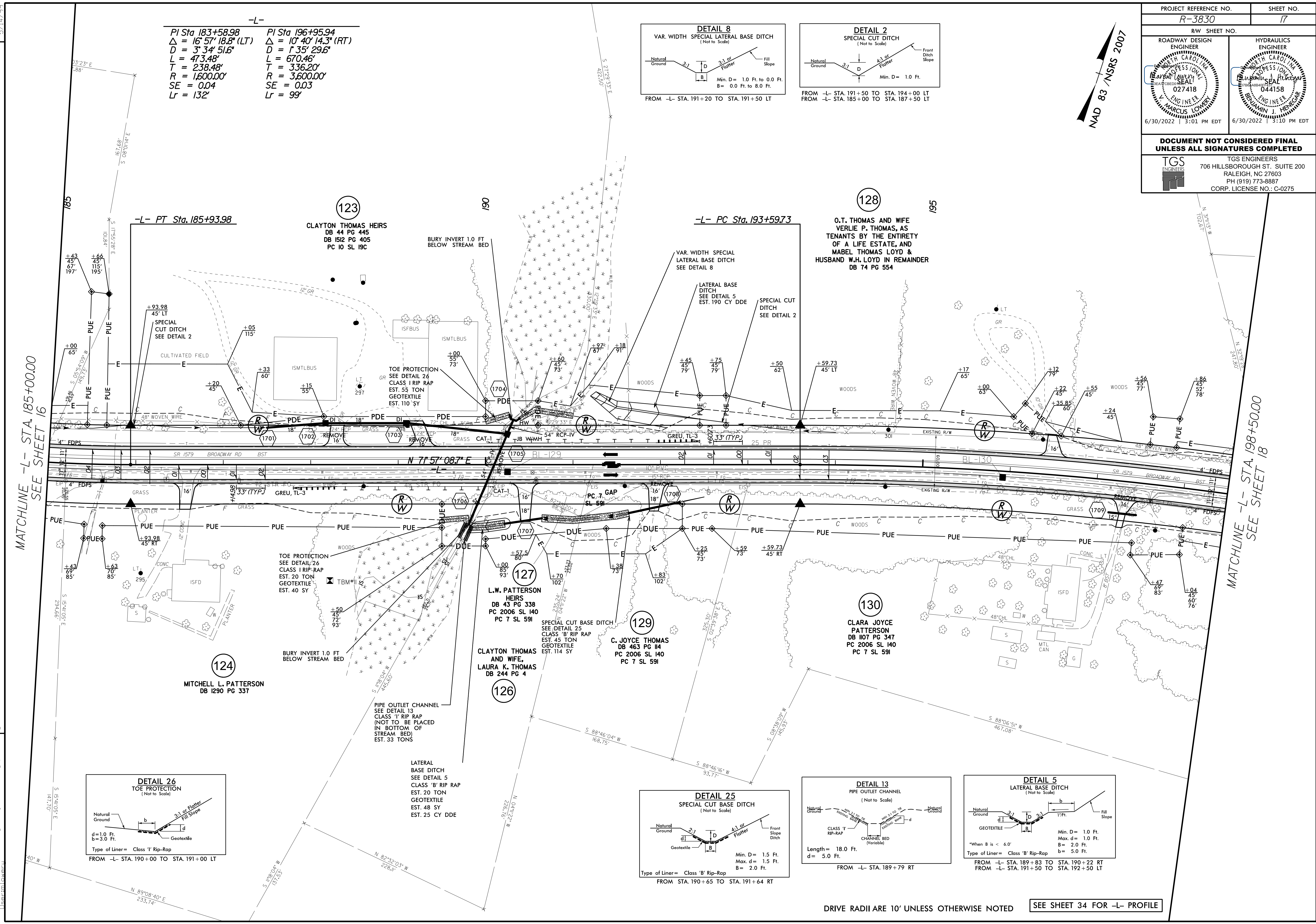
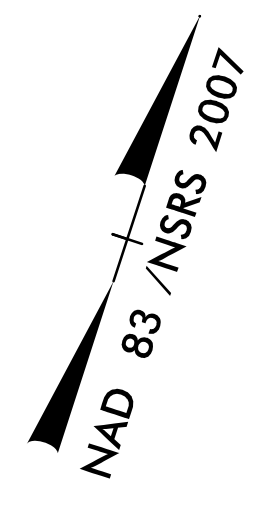
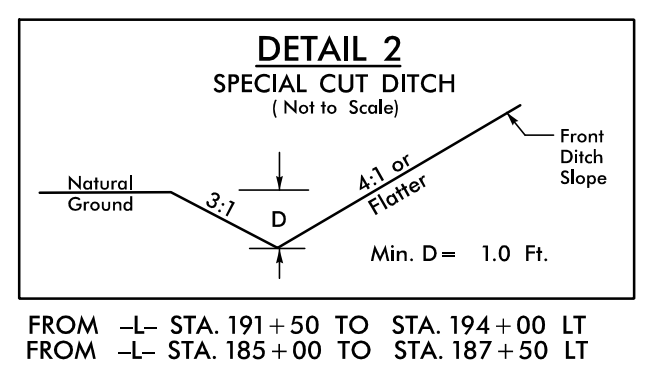
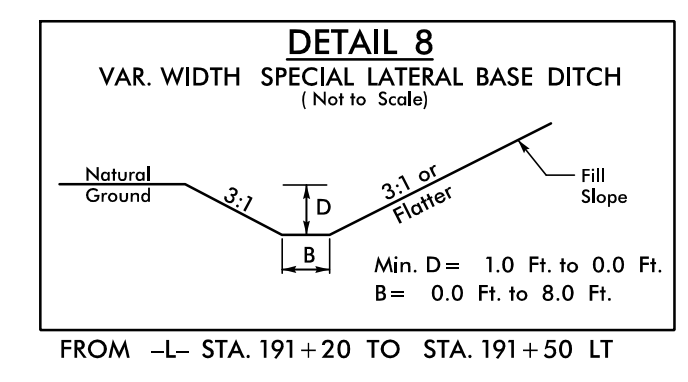
Projects\NICDOT\16-3830-Roadway\Proj\16-3830-rdy_psh_16.dgn

PROJECT REFERENCE NO. R-3830		SHEET NO. 17	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER MARCUS LOYD Professional Seal: 027418 6/30/2022 3:01 PM EDT		HYDRAULICS ENGINEER MARCUS LOYD Professional Seal: 044158 6/30/2022 3:10 PM EDT	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

-L-
 PI Sta 183+58.98 PI Sta 196+95.94
 $\Delta = 16^{\circ} 57' 18.8" (LT)$ $\Delta = 10^{\circ} 40' 14.3" (RT)$
 $D = 3^{\circ} 34' 51.6"$ $D = 1^{\circ} 35' 29.6"$
 $L = 473.48'$ $L = 670.46'$
 $T = 238.48'$ $T = 336.20'$
 $R = 1600.00'$ $R = 3360.00'$
 $SE = 0.04$ $SE = 0.03$
 $Lr = 132'$ $Lr = 99'$



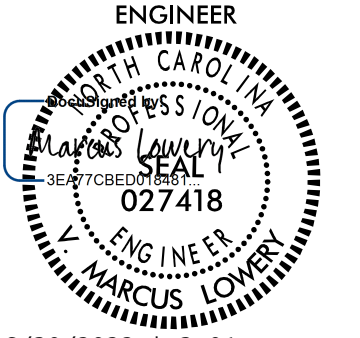
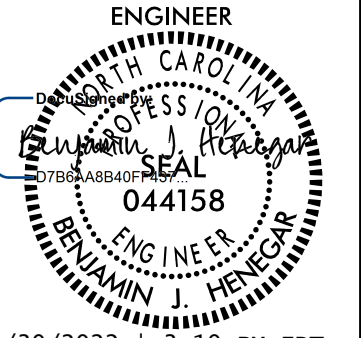
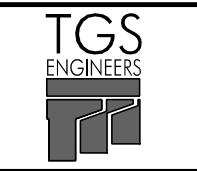
DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED SEE SHEET 34 FOR -L- PROFILE

REVISIONS

MATCHLINE -L- STA. 185+00.00 SEE SHEET 16

MATCHLINE -L- STA. 198+50.00 SEE SHEET 18

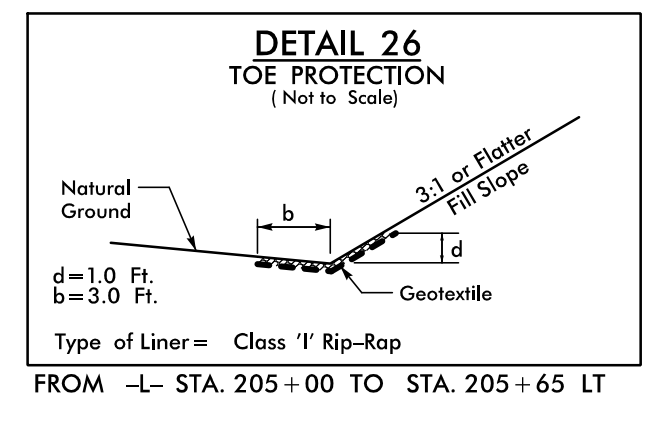
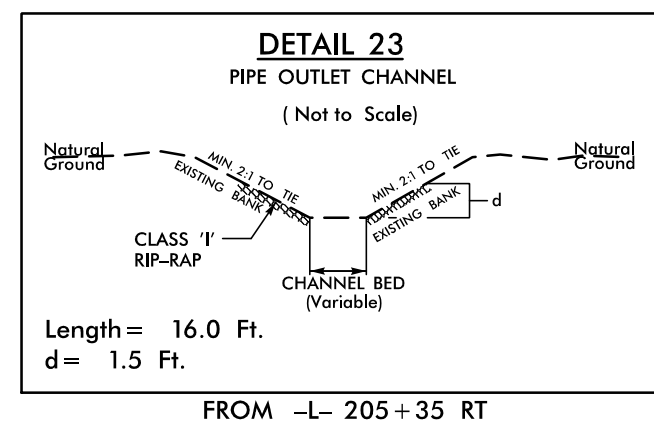
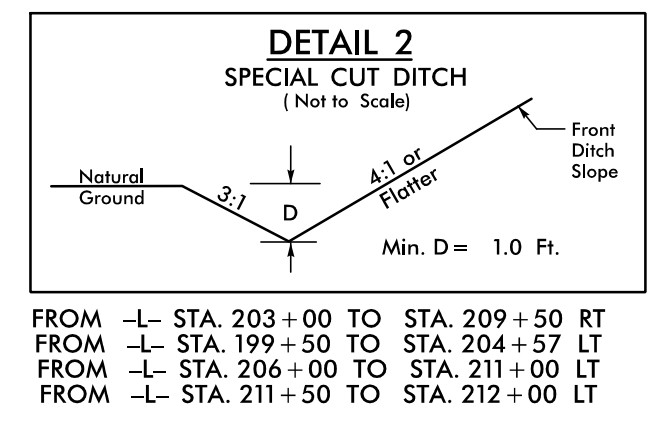
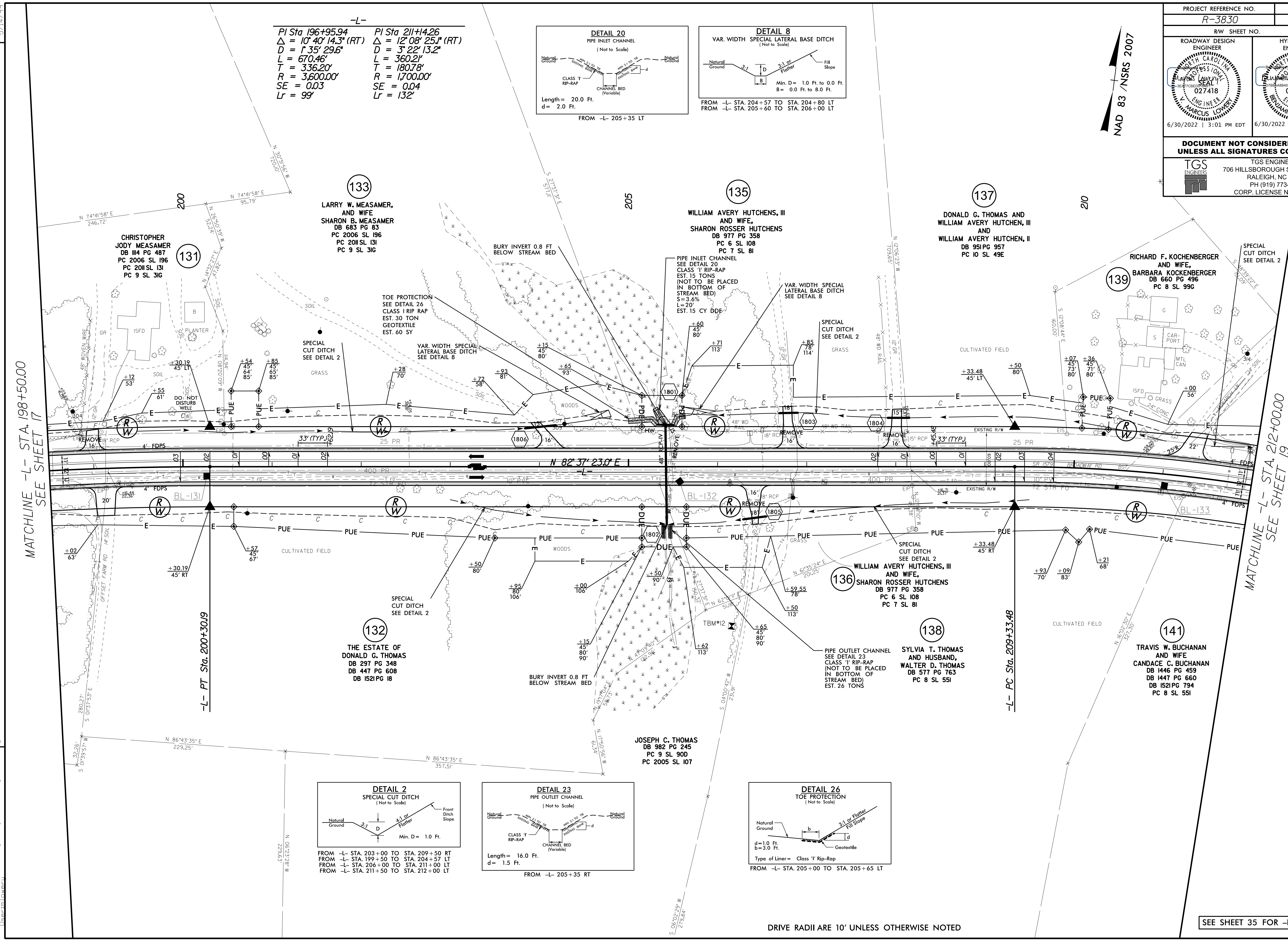
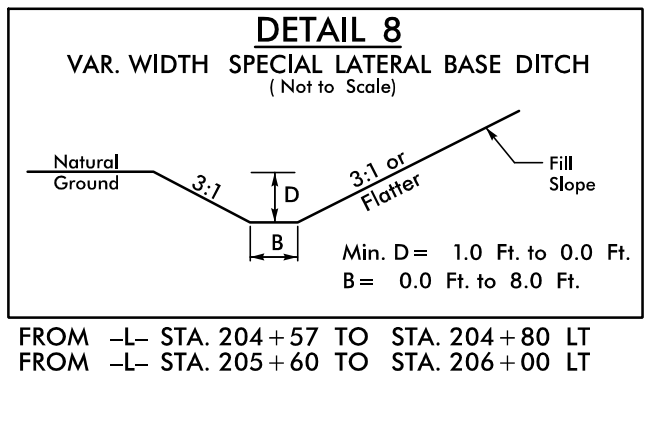
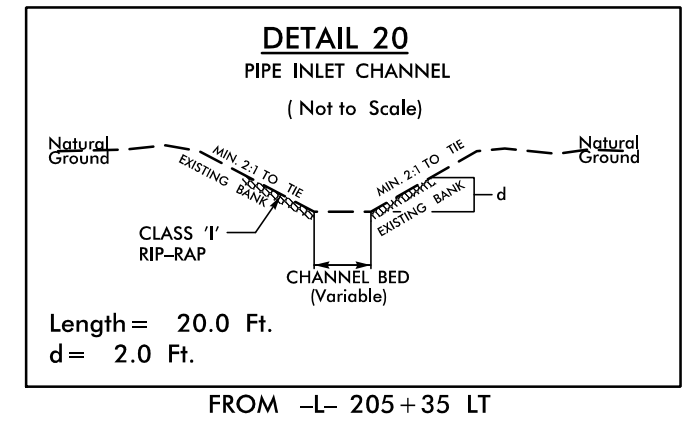
4/8/2023 3:38:30 PM Roadway\Proj\R-3830-rdy_psh_17.dgn

PROJECT REFERENCE NO. R-3830		SHEET NO. 18	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		ENGINEER	
			
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

NAD 83 / NSRS 2007

-L-

PI Sta 196+95.94 $\Delta = 10' 40" 14.3" (RT)$ $D = 1' 35" 29.6"$ $L = 670.46'$ $T = 336.20'$ $R = 3,600.00'$ $SE = 0.03$ $Lr = 99'$	PI Sta 211+4.26 $\Delta = 12' 08" 25.1" (RT)$ $D = 3' 22" 13.2"$ $L = 360.21'$ $T = 180.78'$ $R = 1,700.00'$ $SE = 0.04$ $Lr = 132'$
-----------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------



REVISIONS

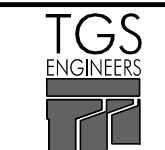
MATCHLINE -L- STA. 198+50.00
SEE SHEET 17

MATCHLINE -L- STA. 212+00.00
SEE SHEET 19

DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED

SEE SHEET 35 FOR -L- PROFILE

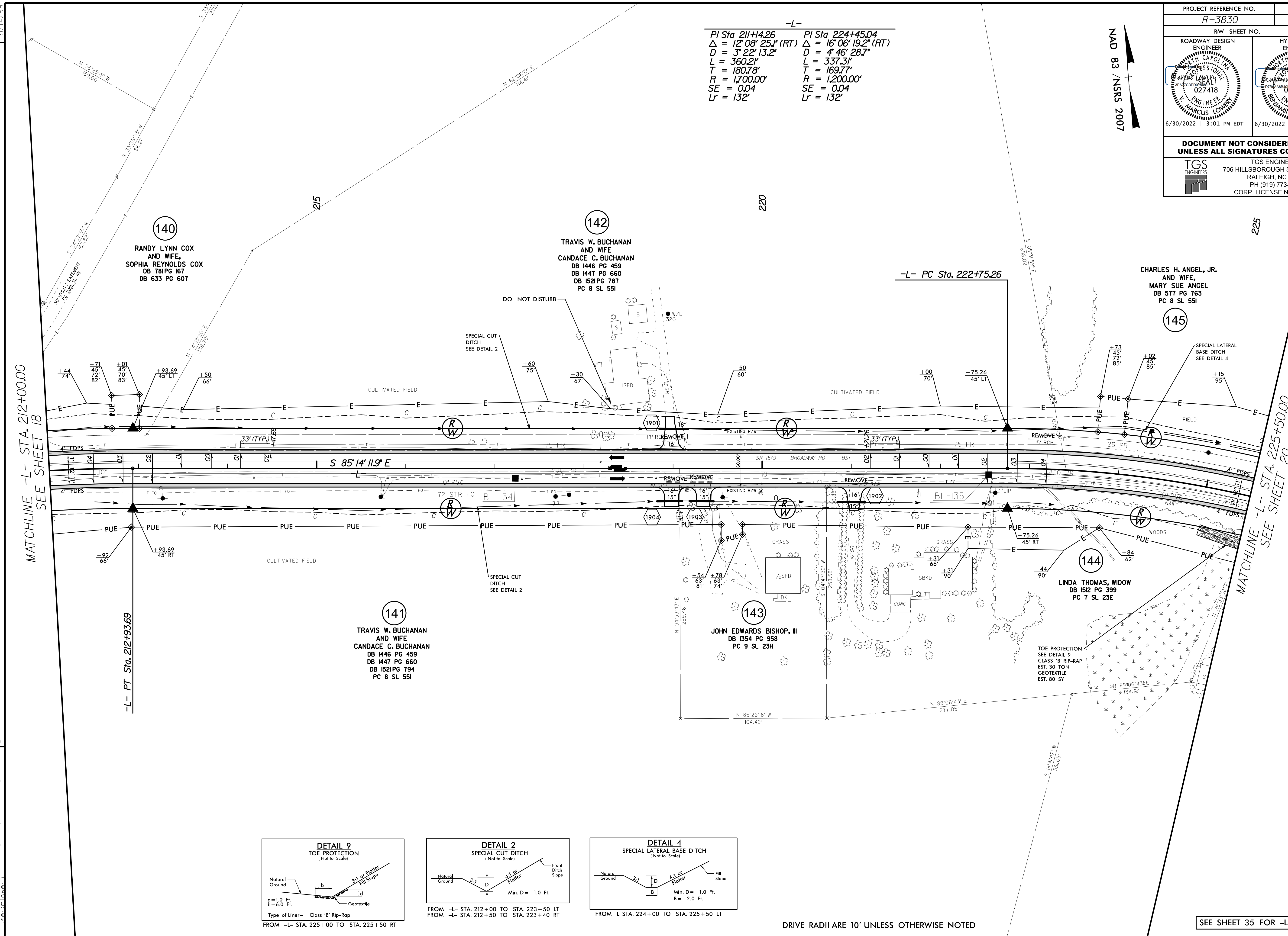
Projects\NC001\18-3830\Roadway\Proj\18-3830-rdy_psh_18.dgn

PROJECT REFERENCE NO. R-3830	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER MARCUS LOWERY 027418 6/30/2022 3:01 PM EDT	HYDRAULICS ENGINEER MARCUS LOWERY 044158 6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

NAD 83 / NSRS 2007

-L-

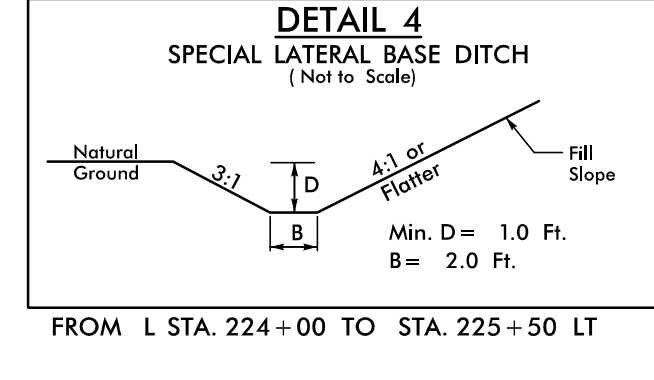
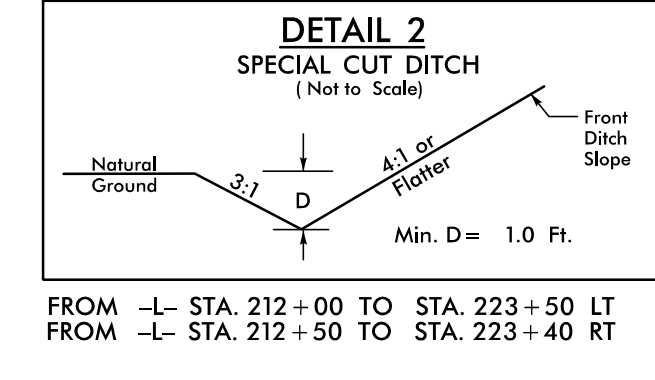
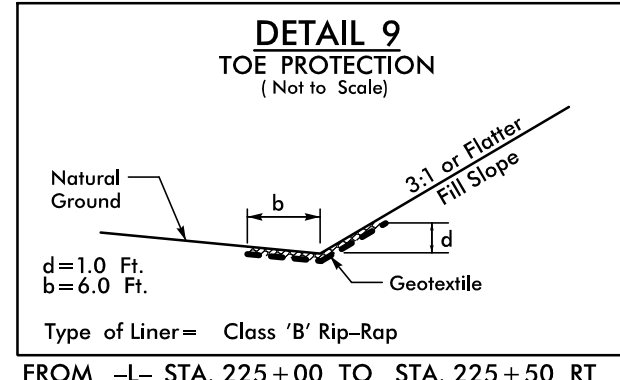
PI Sta 211+4.26 Δ = 12° 08' 25.1" (RT) D = 3' 22' 13.2" L = 360.21' T = 180.78' R = 1,700.00' SE = 0.04 Lr = 132'	PI Sta 224+45.04 Δ = 16° 06' 19.2" (RT) D = 4' 46' 28.7" L = 337.31' T = 169.77' R = 1,200.00' SE = 0.04 Lr = 132'
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REVISIONS

MATCHLINE -L- STA. 212+00.00
SEE SHEET 18

MATCHLINE -L- STA. 225+50.00
SEE SHEET 20

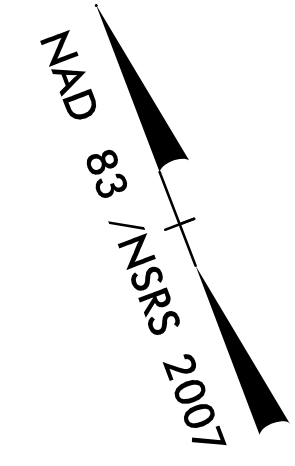


DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED

SEE SHEET 35 FOR -L- PROFILE

4/8/2022 3:38:30 Roadway\Proj\N-3830-rdy_psh_19.dgn
User: mlowery

PROJECT REFERENCE NO. R-3830		SHEET NO. 20	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL			
UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

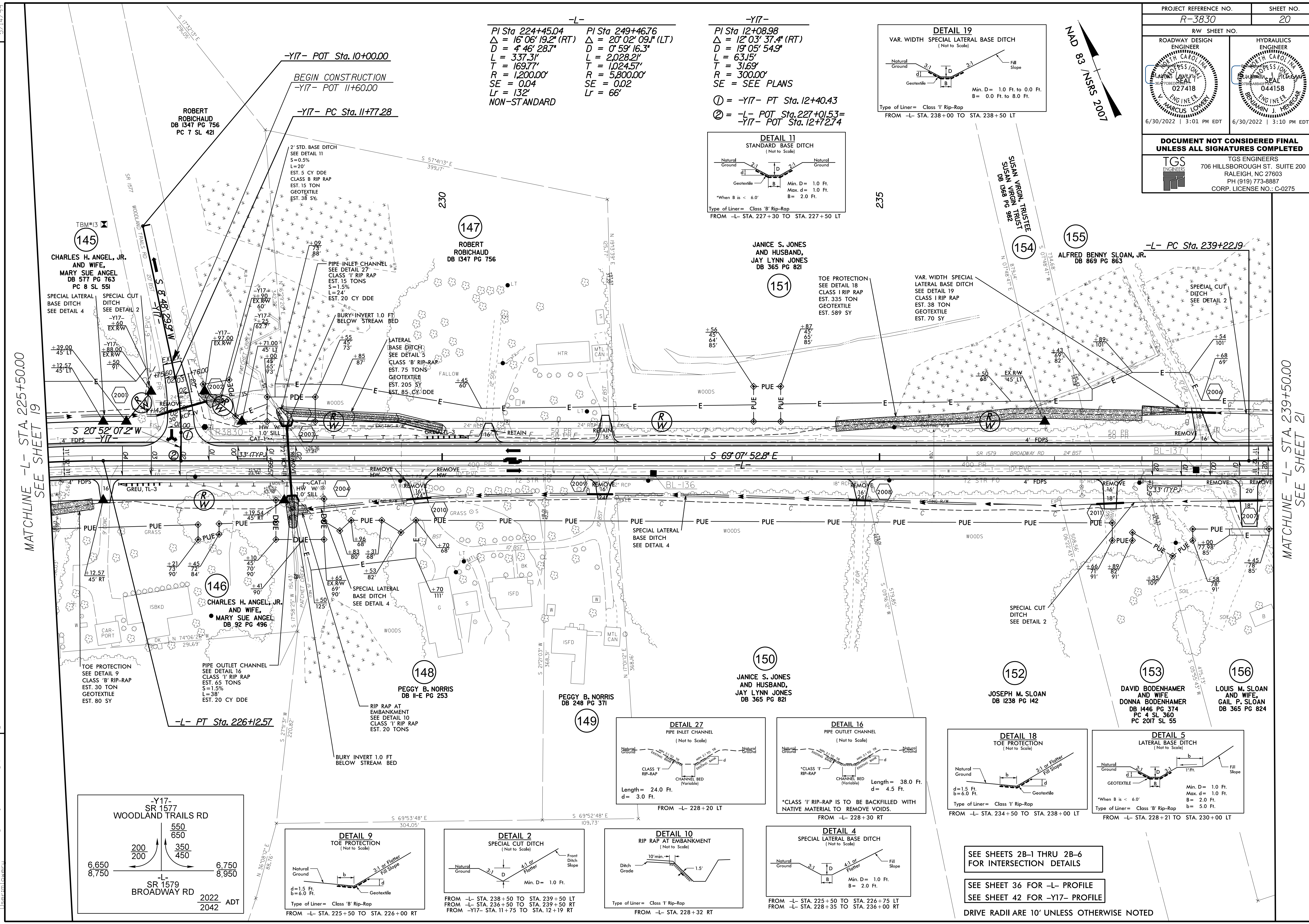
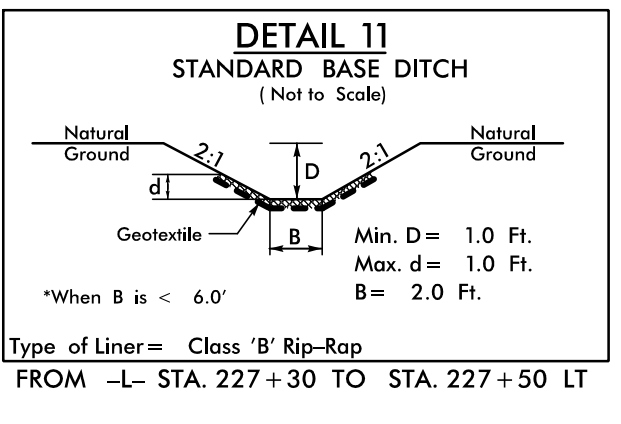
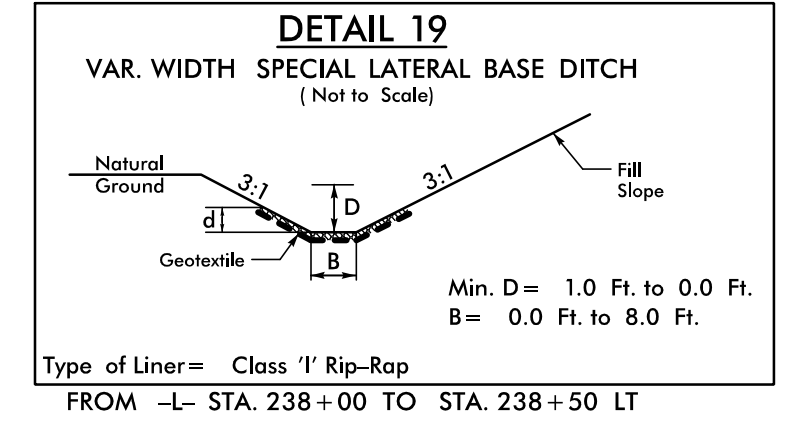


-L-

PI Sta 224+45.04 $\Delta = 16' 06" 19.2"$ (RT) $D = 4' 46" 28.7"$ $L = 337.31'$ $T = 169.77'$ $R = 1,200.00'$ $SE = 0.04$ $Lr = 132'$ NON-STANDARD	PI Sta 249+46.76 $\Delta = 20' 02' 09.1"$ (LT) $D = 0' 59' 16.3"$ $L = 2,028.21'$ $T = 1,024.57'$ $R = 5,800.00'$ $Lr = 66'$
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------

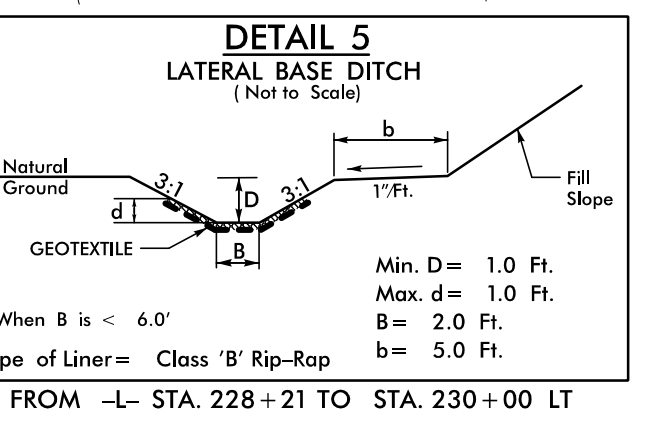
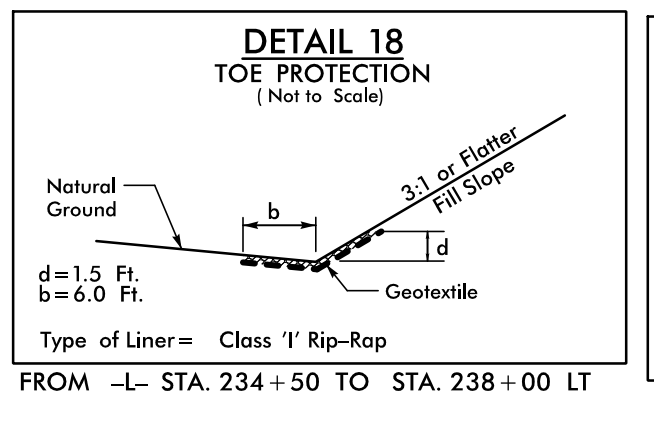
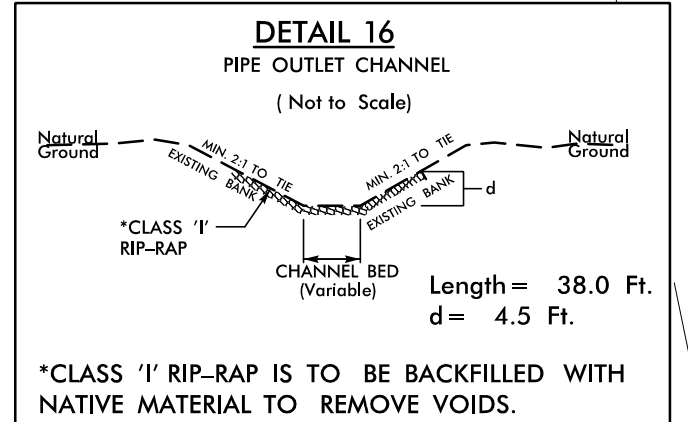
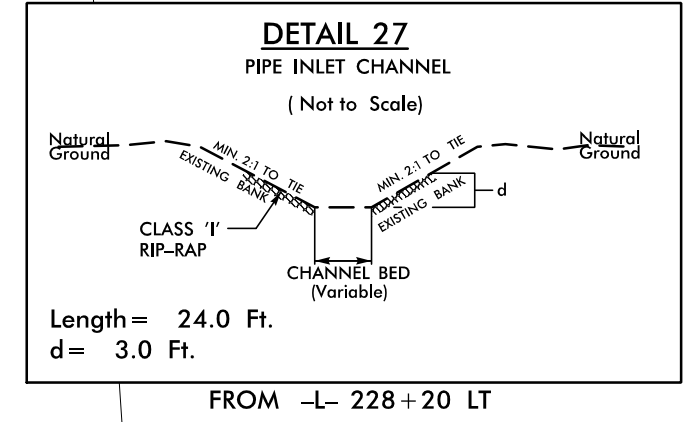
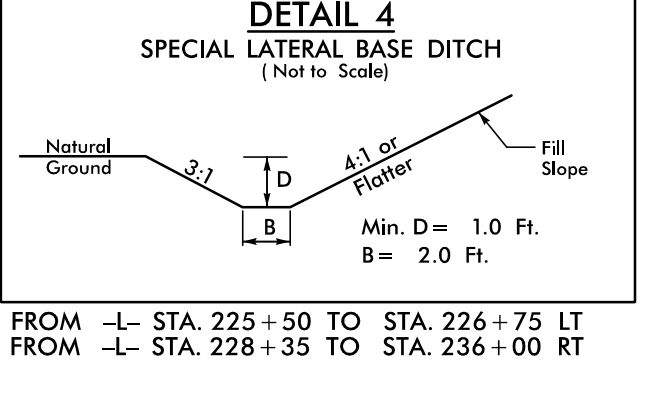
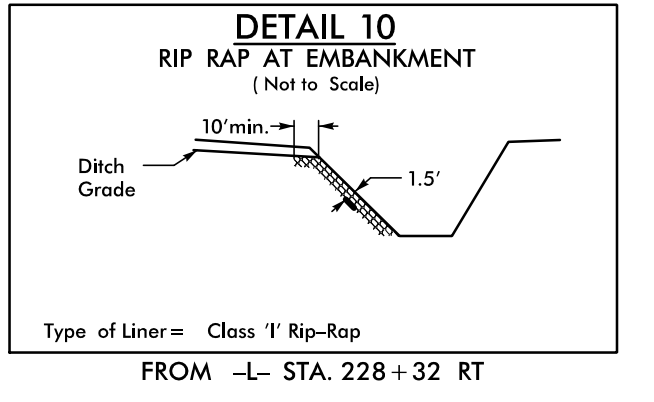
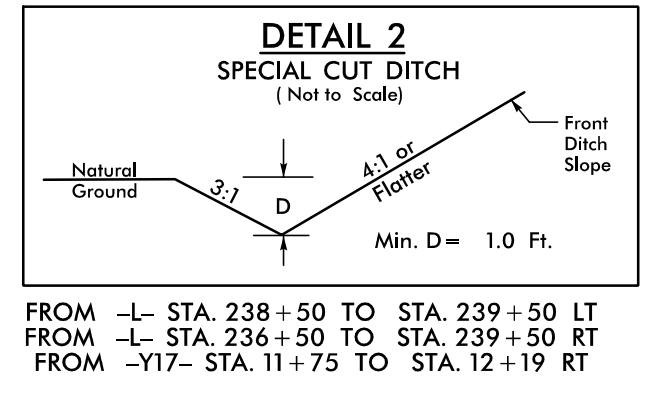
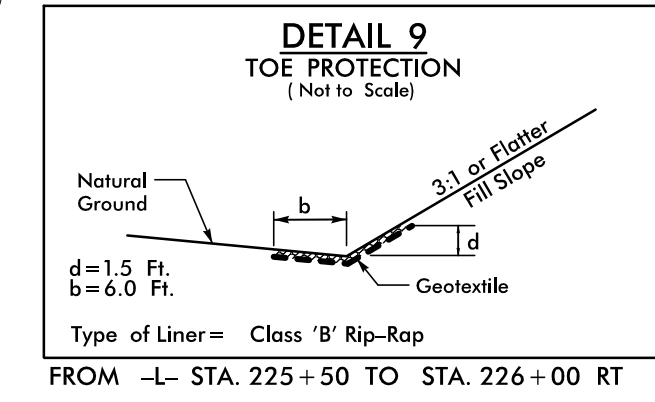
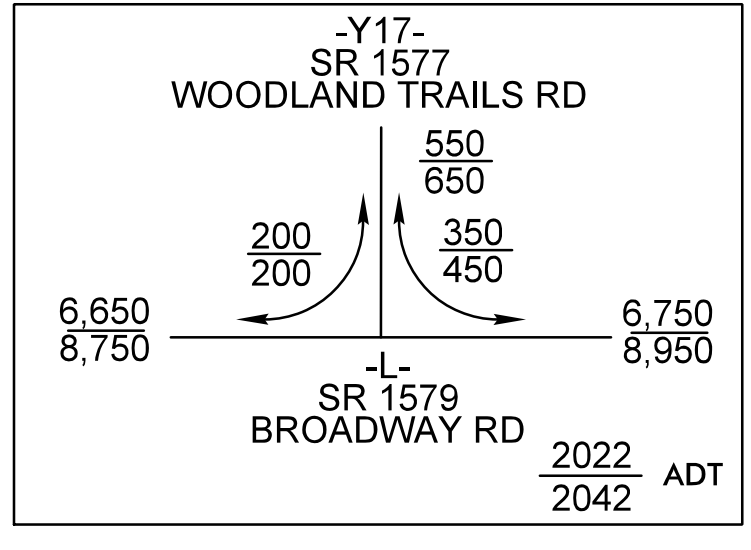
-Y17-

PI Sta 12+08.98 $\Delta = 12' 03' 37.4"$ (RT) $D = 19' 05' 54.9"$ $L = 63.15'$ $T = 31.69'$ $R = 300.00'$ $SE = SEE PLANS$	① = -Y17- PT Sta. 12+40.43 ② = -L- POT Sta. 227+01.53 = -Y17- POT Sta. 12+72.74
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MATCHLINE -L- STA. 225+50.00
SEE SHEET 19

MATCHLINE -L- STA. 239+22.19
SEE SHEET 21



SEE SHEETS 28-1 THRU 28-6
FOR INTERSECTION DETAILS

SEE SHEET 36 FOR -L- PROFILE
SEE SHEET 42 FOR -Y17- PROFILE

DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED

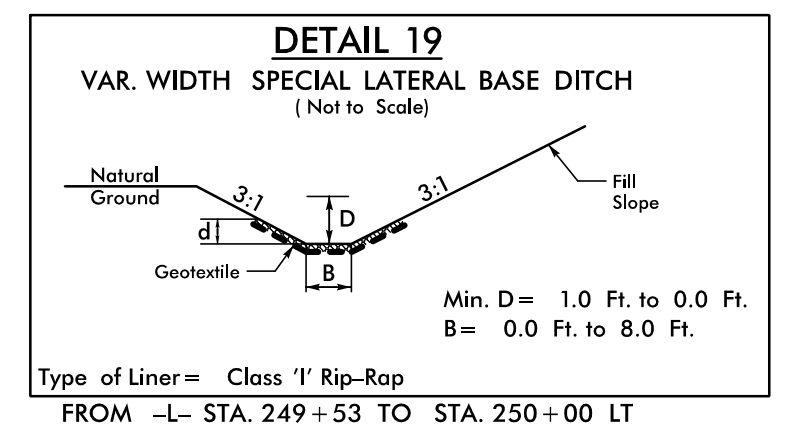
5/14/99

E:\Projects\NCDOT\19-3830\Roadway\Pro\19-3830_rdy_psh_20.dgn
User: tmlowery

PROJECT REFERENCE NO. R-3830		SHEET NO. 21	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		PROFESSIONAL SEAL 027418 MARCUS LOWRY	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275		TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

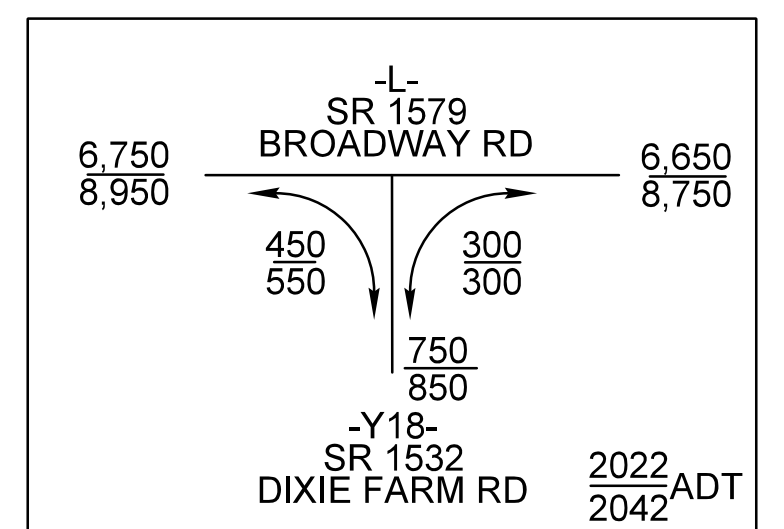
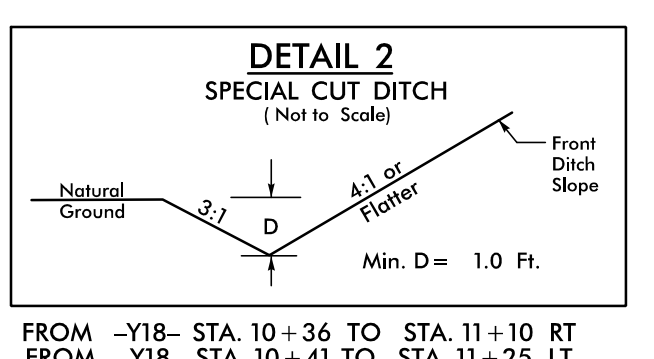
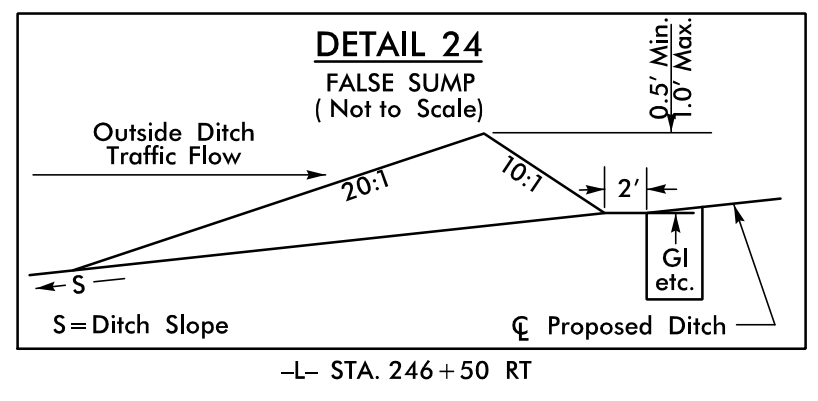
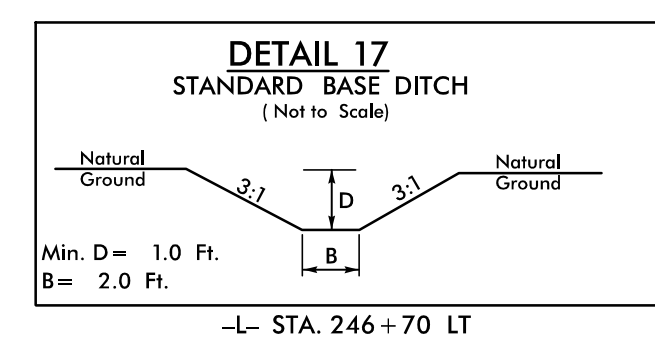
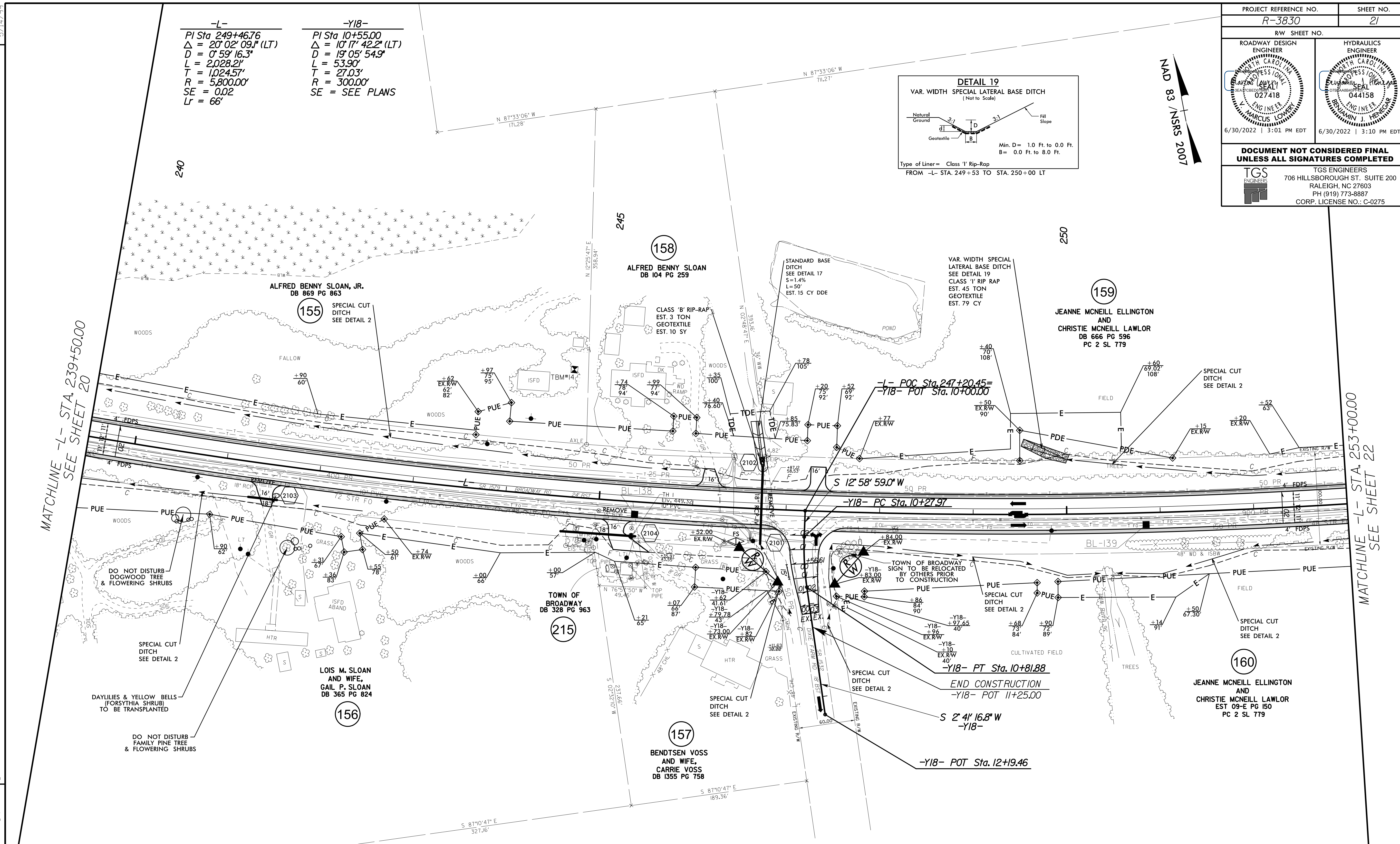
MAD 83 / NSRS 2007

-L-	-Y18-
PI Sta 249+46.76	PI Sta 10+55.00
$\Delta = 20^{\circ} 02' 09.1''$ (LT)	$\Delta = 10^{\circ} 17' 42.2''$ (LT)
D = 0' 59' 16.3"	D = 19' 05' 54.9"
L = 2,028.21'	L = 53.90'
T = 1,024.57'	T = 27.03'
R = 5,800.00'	R = 300.00'
SE = 0.02	SE = SEE PLANS
Lr = 66'	



MATCHLINE -L- STA. 239+50.00
SEE SHEET 20

MATCHLINE -L- STA. 253+00.00
SEE SHEET 22



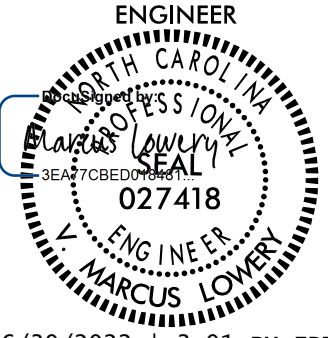
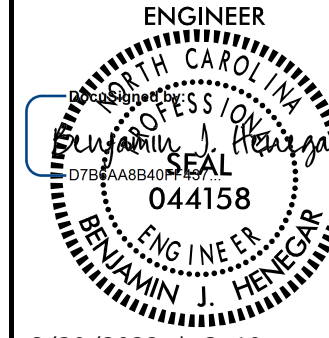
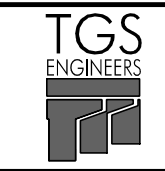
SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 36 FOR -L- PROFILE
SEE SHEET 42 FOR -Y18- PROFILE

DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED

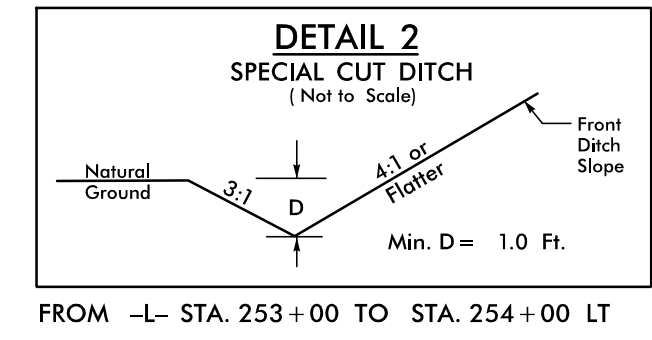
REVISIONS

E:\10_2022\Projects\NICDOT\10_2022\Roadway\Proj\10-3830-rdy_psh_21.dgn

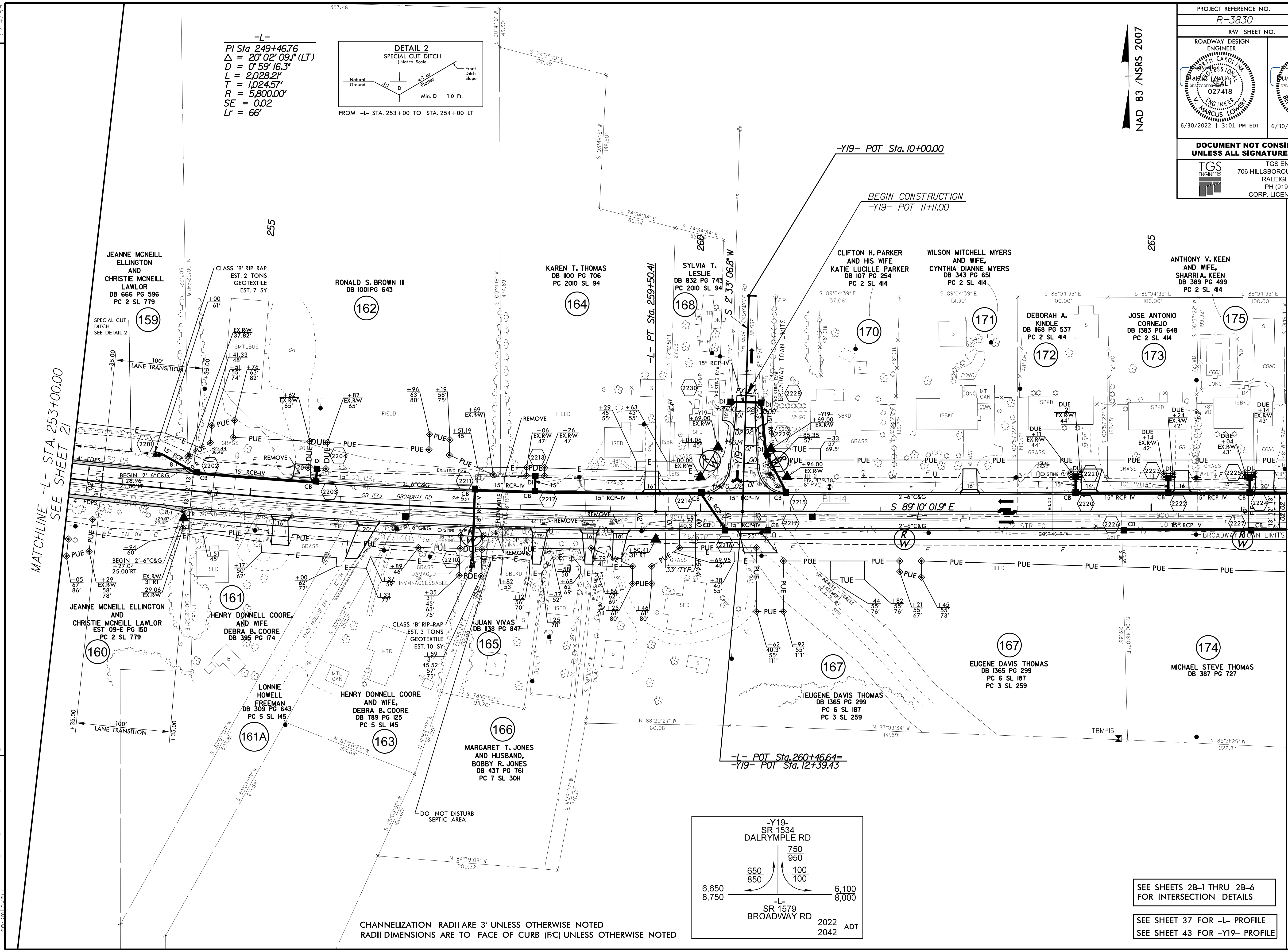
PROJECT REFERENCE NO. R-3830		SHEET NO. 22	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 	
6/30/2022 3:01 PM EDT		6/30/2022 3:10 PM EDT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

NAD 83 / NSRS 2007

-L-
 PI Sta 249+46.76
 $\Delta = 20^\circ 02' 09.1''$ (LT)
 $D = 0' 59' 16.3''$
 $L = 2,028.21'$
 $T = 1,024.57'$
 $R = 5,800.00'$
 $SE = 0.02$
 $Lr = 66'$

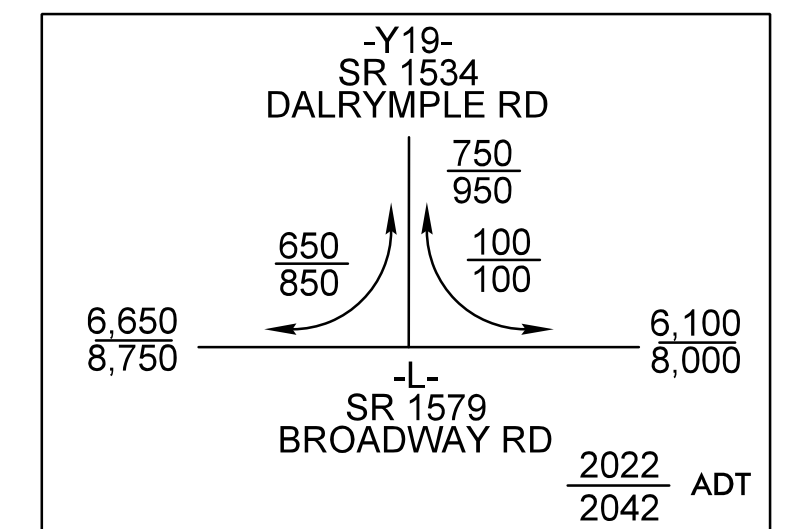


FROM -L- STA. 253+00 TO STA. 254+00 LT



MATCHLINE -L- STA. 253+00.00
SEE SHEET 21

MATCHLINE -L- STA. 266+50.00
SEE SHEET 23



CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
RADII DIMENSIONS ARE TO FACE OF CURB (FC) UNLESS OTHERWISE NOTED

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

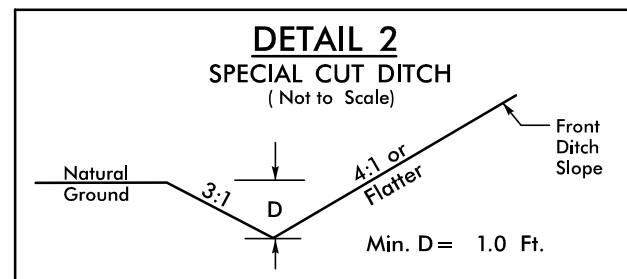
SEE SHEET 37 FOR -L- PROFILE
SEE SHEET 43 FOR -Y19- PROFILE

REVISIONS

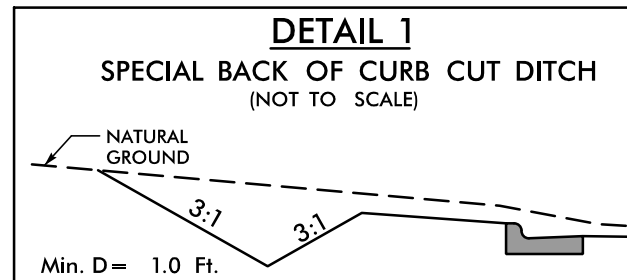
5/14/19

E:\10-2830-Roadway\Proje\3830-rdy_psh.z22.dgn
User:tmlovey

5/14/20



FROM -Y20- STA. 11+00 TO STA. 12+94 RT
 FROM -Y20- STA. 11+00 TO STA. 13+00 LT



FROM -L- STA. 278+31 TO STA. 279+20 LT

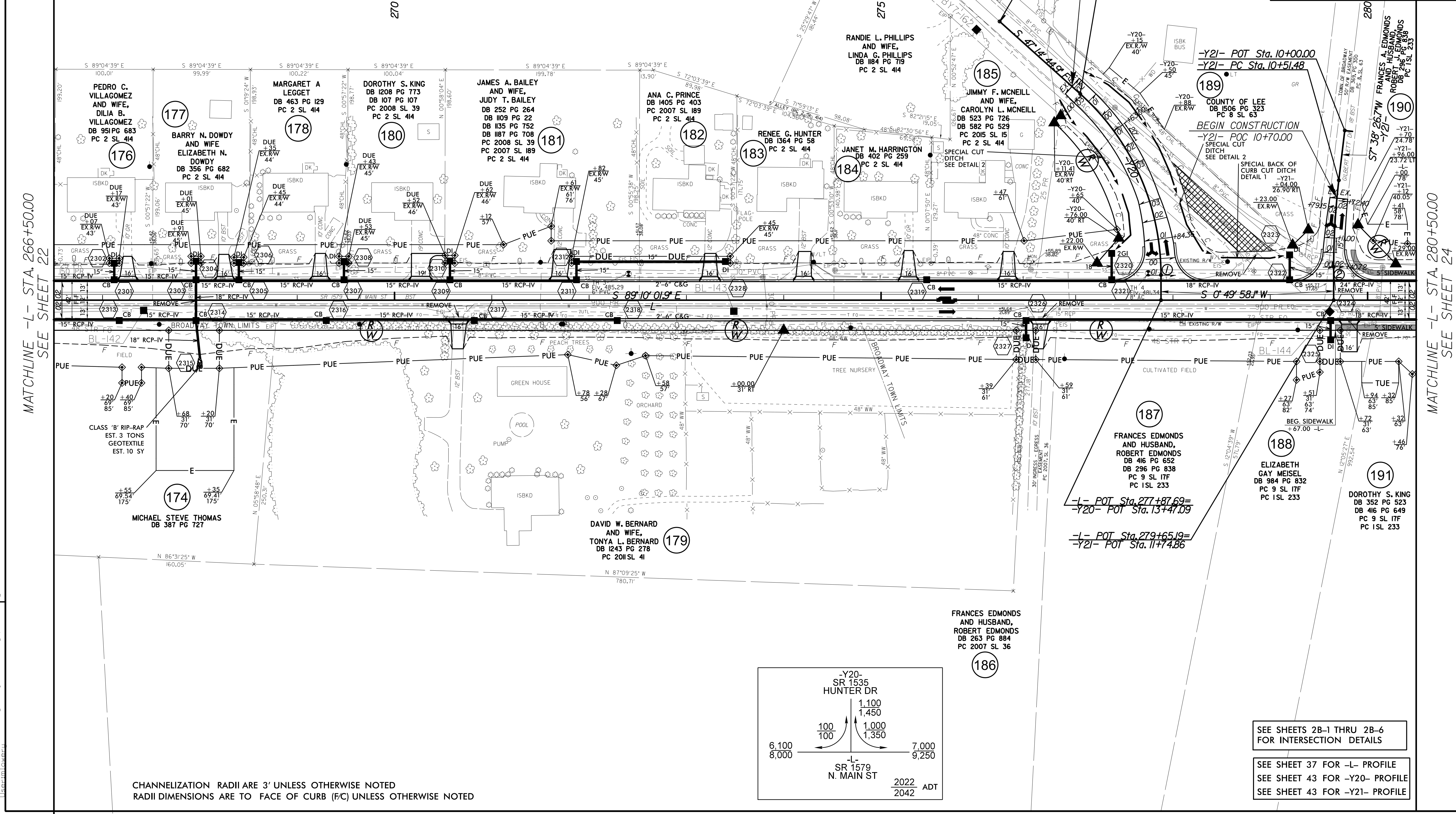
-Y20-
 PI Sta 12+22.92
 $\Delta = 48^{\circ} 04' 43.1''$ (RT)
 $D = 22^{\circ} 55' 05.9''$
 $L = 209.78'$
 $T = 111.51'$
 $R = 250.00'$
 SE = SEE PLANS

-Y21-
 PI Sta 10+96.09
 $\Delta = 6^{\circ} 48' 28.6''$ (LT)
 $D = 7^{\circ} 38' 22.0''$
 $L = 89.12'$
 $T = 44.61'$
 $R = 750.00'$
 SE = SEE PLANS

- ① = -Y20- PT Sta. 13+21.19
- ② = -Y21- PT Sta. 11+40.59

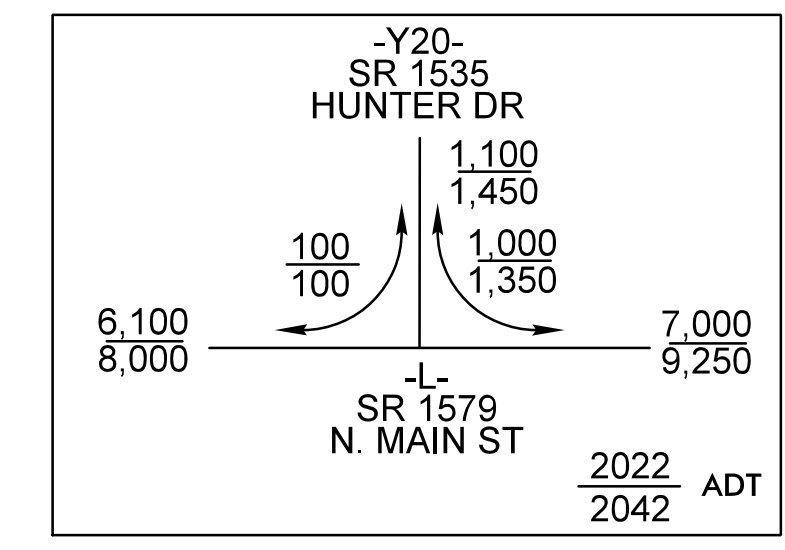
PROJECT REFERENCE NO. R-3830	SHEET NO. 23
ROADWAY DESIGN ENGINEER MARCUS LOVRY 027418	HYDRAULICS ENGINEER MARCUS LOVRY 044158
6/30/2022 3:01 PM EDT	6/30/2022 3:10 PM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

NAD 83 / NSRS 2007



MATCHLINE -L- STA. 266+50.00
SEE SHEET 22

MATCHLINE -L- STA. 280+50.00
SEE SHEET 24



CHANNELIZATION RADII ARE 3' UNLESS OTHERWISE NOTED
 RADII DIMENSIONS ARE TO FACE OF CURB (FC) UNLESS OTHERWISE NOTED

SEE SHEETS 2B-1 THRU 2B-6 FOR INTERSECTION DETAILS

SEE SHEET 37 FOR -L- PROFILE
 SEE SHEET 43 FOR -Y20- PROFILE
 SEE SHEET 43 FOR -Y21- PROFILE

E:\10_2830_1\Roadway\Project\3830_1\rdy_psh_23.dgn
 User: jmlowery