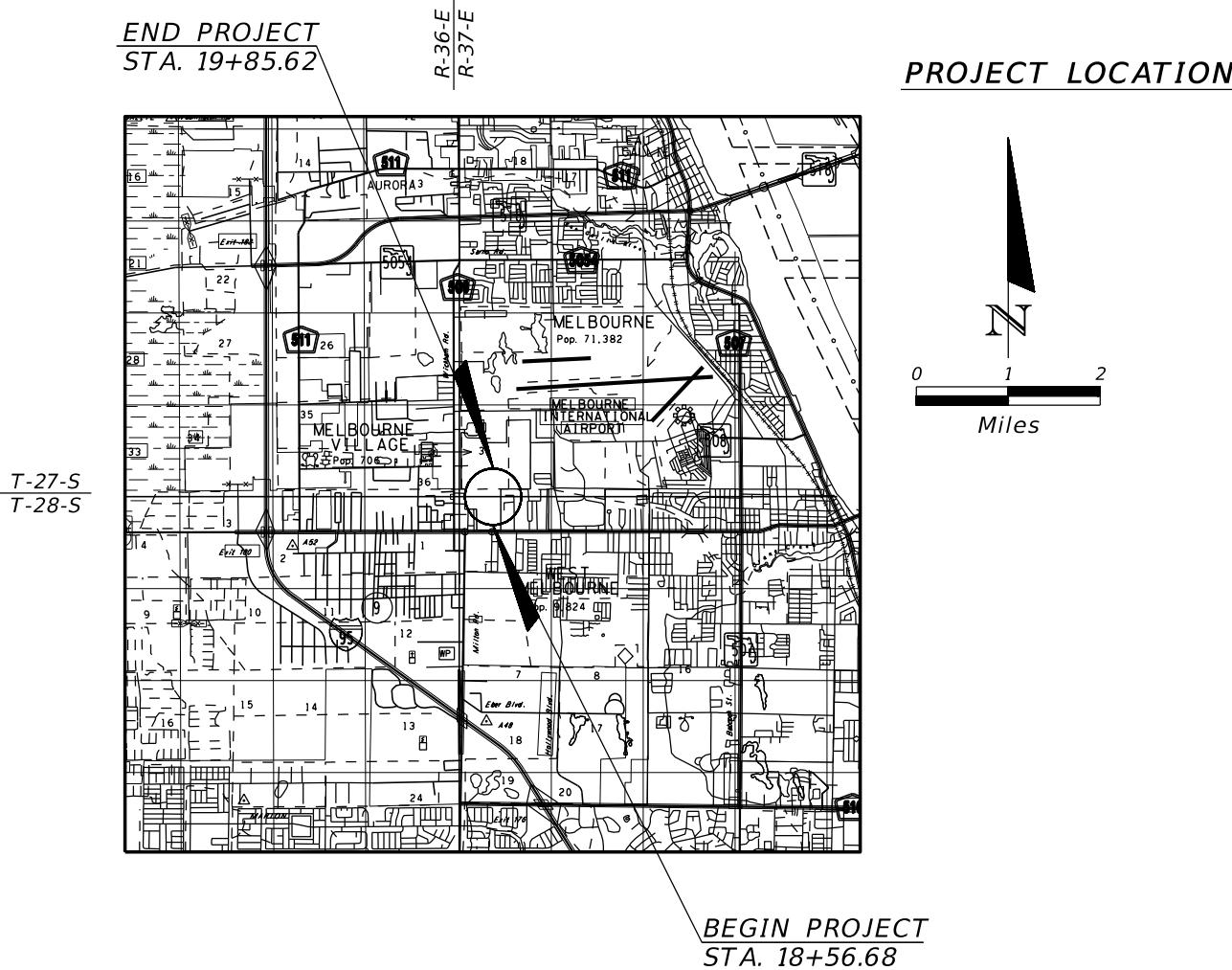


ROADWAY PLANS FOR
BREVARD COUNTY
PUBLIC WORKS DEPARTMENT

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TYPICAL SECTION
3	GENERAL NOTES / PROJECT CONTROL
4	BOX CULVERT / PLAN VIEW
5-8	CROSS SECTIONS
9	DRAINAGE STRUCTURES
10	TEMPORARY TRAFFIC CONTROL DETOUR PLAN
11	BOX CULVERT DATA TABLE
12	REBAR LIST

DAYTON BOULEVARD
CULVERT REPLACEMENT



PLANS PREPARED BY:
HANSON PROFESSIONAL SERVICES INC.
8075 GATE PARKWAY WEST
SUITE 204
JACKSONVILLE, FL 32216
(904) 737-0090
CERTIFICATE OF AUTHORIZATION NO. 7961

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS
ENGINEER OF RECORD: DARYL R. MYERS, PE

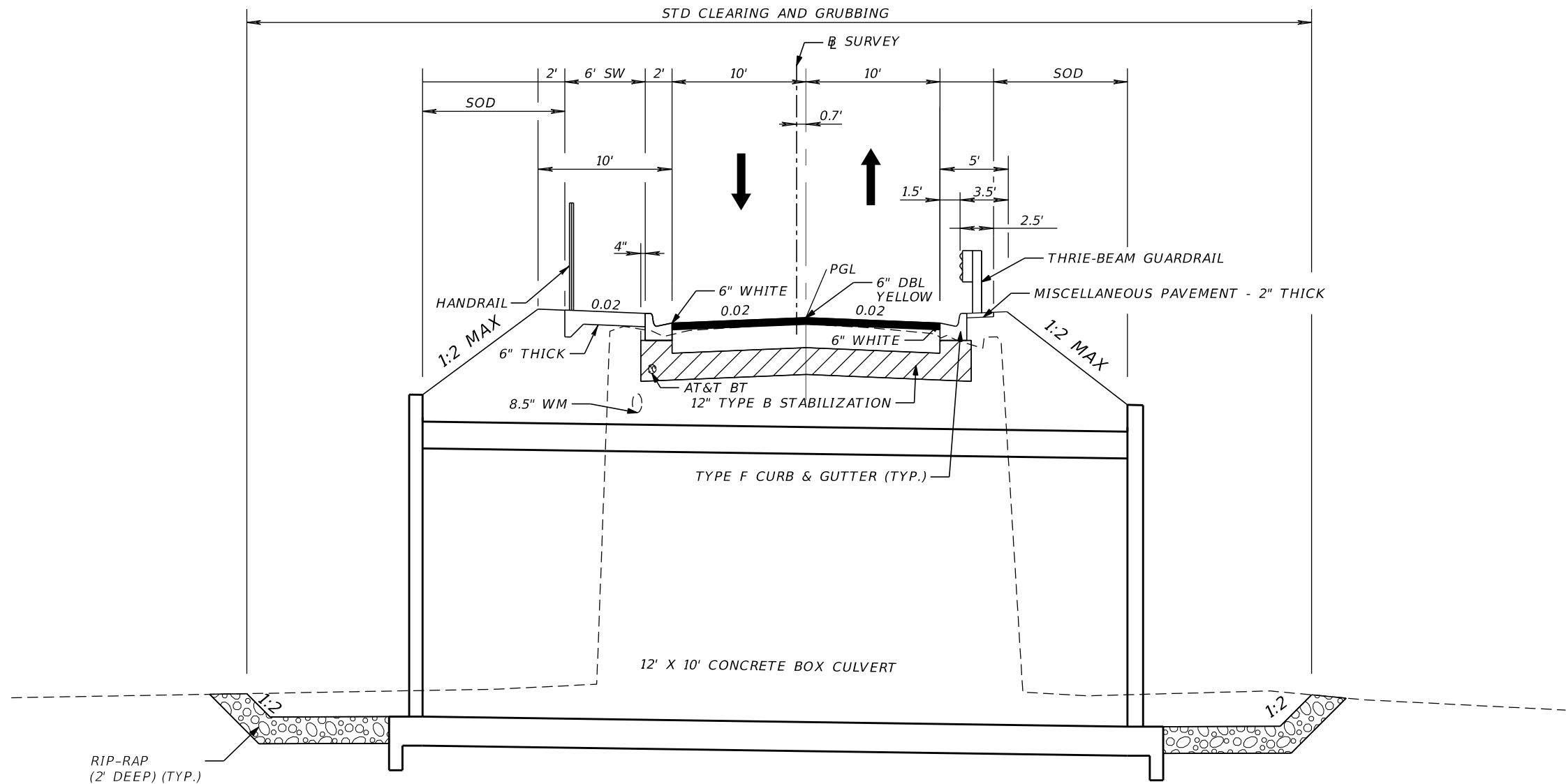
P.E. NO.: 61786

DRAFT CONSTRUCTION PLANS
11/26/19

SHEET
NO.

1

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TYPICAL SECTION
DAYTON BLVD
STA. 18+56.68 TO STA. 19+85.62

PAVEMENT DESIGN

- TYPE SP-12.5 STRUCTURAL COURSE (1-1/2") (TRAFFIC C)
- ROADWAY BASE - OPTIONAL BASE GROUP 6
- 12" TYPE B STABILIZATION

REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					DAYTON	BREVARD			
								2	

GENERAL NOTES
=====

1. ALL GRADES ARE FINISHED GRADES.

2. ALL STATIONING AND OFFSETS ARE FROM, AND PERPENDICULAR OR RADIAL TO THE BASELINE OF THE SURVEY.

3. ALL GRASSED AREAS DISTURBED AS A RESULT OF CONSTRUCTION SHALL BE RESODDED, "IN KIND"; UNLESS OTHERWISE MENTIONED IN THE PLANS. ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED.

4. UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION AREAS AND BACKFILLED WITH SUITABLE MATERIALS.

5. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.

6. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO PREVENT ANY FLOODING.

7. BENCHMARK DATUM N.A.V.D. 1988 (NAVD 88). ANY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONSTRUCTION MANAGER SHALL NOTIFY THE COUNTY ENGINEER.

8. ANY PUBLIC LAND CORNER, GPS OR COUNTY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER OR MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR'S CONSTRUCTION MANAGER SHALL NOTIFY THE COUNTY ENGINEER WITHOUT DELAY BY TELEPHONE.

9. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS IS APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES, PUBLIC OR PRIVATE, SHALL BE LOCATED IN AREA OF CONSTRUCTION AND OWNERS OF SAID UTILITIES NOTIFIED PRIOR TO COMMENCING WORK.

10. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. CENTER (1-800-432-4770) AT LEAST TWO (2) DAYS (48) HOURS PRIOR TO THE START OF CONSTRUCTION (PER CHAPTER 556 OF THE F.S.).

UTILITY OWNERS

FLORIDA CITY GAS- GAS321-638-3419

FLORIDA POWER & LIGHT- BREVARD- ELECTRIC386-586-6403

CITY OF MELBOURNE UTILITIES ADMINISTRATION- WATER DISTRIBUTION321-608-5106

AT&T DISTRIBUTION- TELEPHONE561-997-0240

BRIGHT HOUSE NETWORKS, LLC BREVARD- FIBER OPTIC321-757-6451 ALT: 321-508-1173

11. LOCATION OF SILT FENCE AND STAKED OR FLOATING TURBIDITY BARRIERS SHOWN ON CONSTRUCTION PLANS ARE FOR GRAPHIC PURPOSES IDENTIFYING THAT EROSION CONTROL FEATURES WILL BE PRESENT. LOCATIONS OF SILT FENCE ARE APPROXIMATE AND ARE TO BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AS DIRECTED BY THE COUNTY'S AUTHORIZED REPRESENTATIVE.

12. PROPER SURFACE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION PERIOD.

13.AS BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION AND INCLUDE ALL INFORMATION AS REQUESTED BY CONTRACT DOCUMENTS. AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED.

14.CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARD, INCLUDING THE FLORIDA TRENCH SAFETY ACT (FS 553.60-553.64).

ESTABLISHED PROJECT CONTROL NAD 83 (2011) PER FPRN STATION FLVR NAVD88 PER BREVARD COUNTY BENCHMARK LOGS				
STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
RACP1	1364011.8205	762610.8690	25.486	SET 5/8" IRC "TRAV LB 7917"
RACP2	1364037.0110	763739.1485	26.415	SET 5/8" IRC "TRAV LB 7917"
RACP3	1364021.7340	764326.9825	26.607	SET 5/8" IRC "TRAV LB 7917"
RACP4	1362921.5715	763739.6985	24.980	SET 5/8" IRC "TRAV LB 7917"
PUBLISHED CONTROL - NAVD88				
STATION	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
H6A24	28°05'40.3"	080°40'25.1"	24.845	3" ALUM BCS&M DISK IN CONCRETE "H6A24 STERLING 2008"
H6A33	28°05'41.56"	080°40'13.57"	25.048	3" ALUM BCS&M DISK IN CONCRETE "H6A33 2013"

INFORMATION PROVIDED BY MCKIM & CREED

REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			GENERAL NOTES / PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		3
					DAYTON	BREVARD			

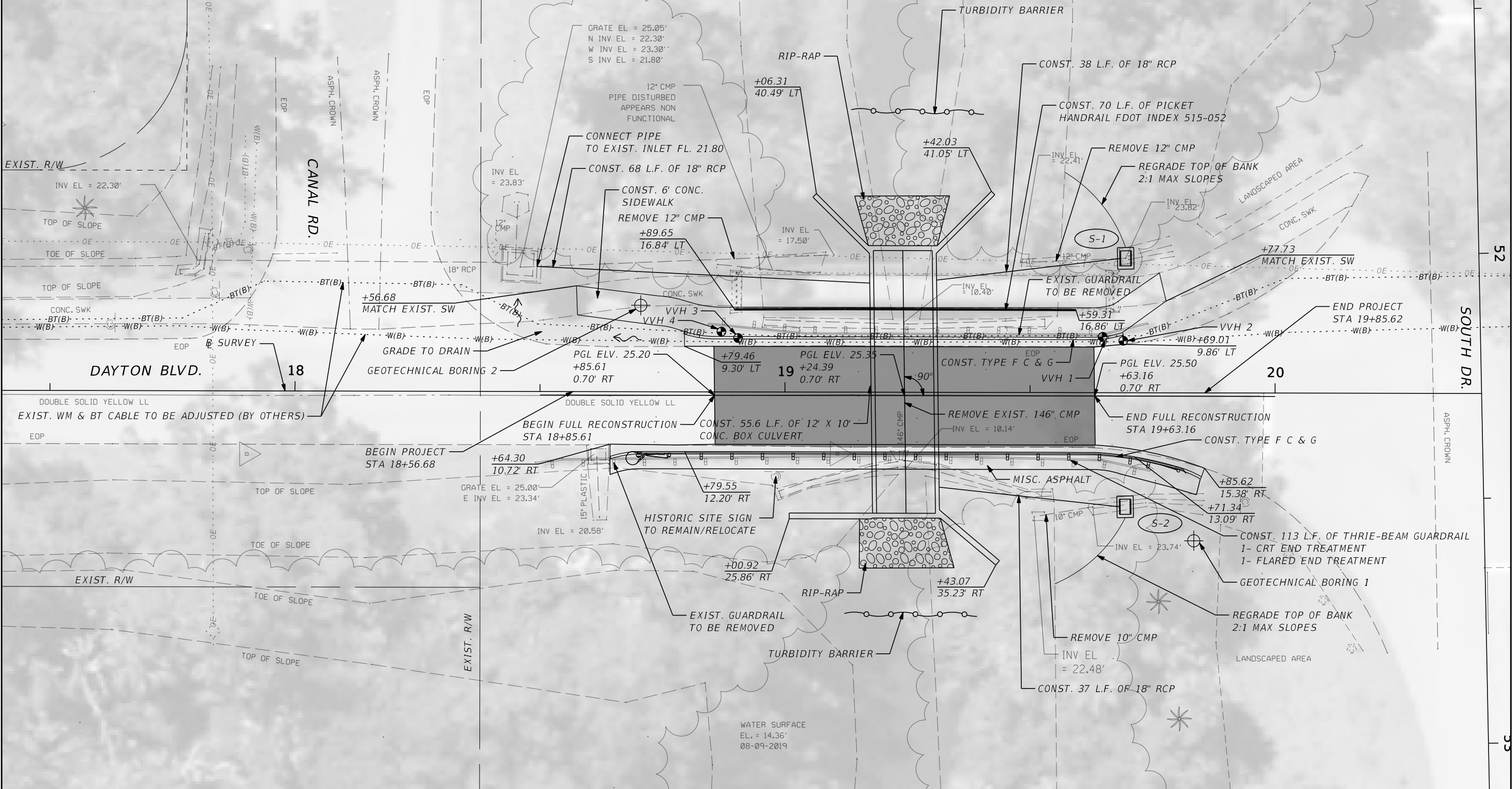
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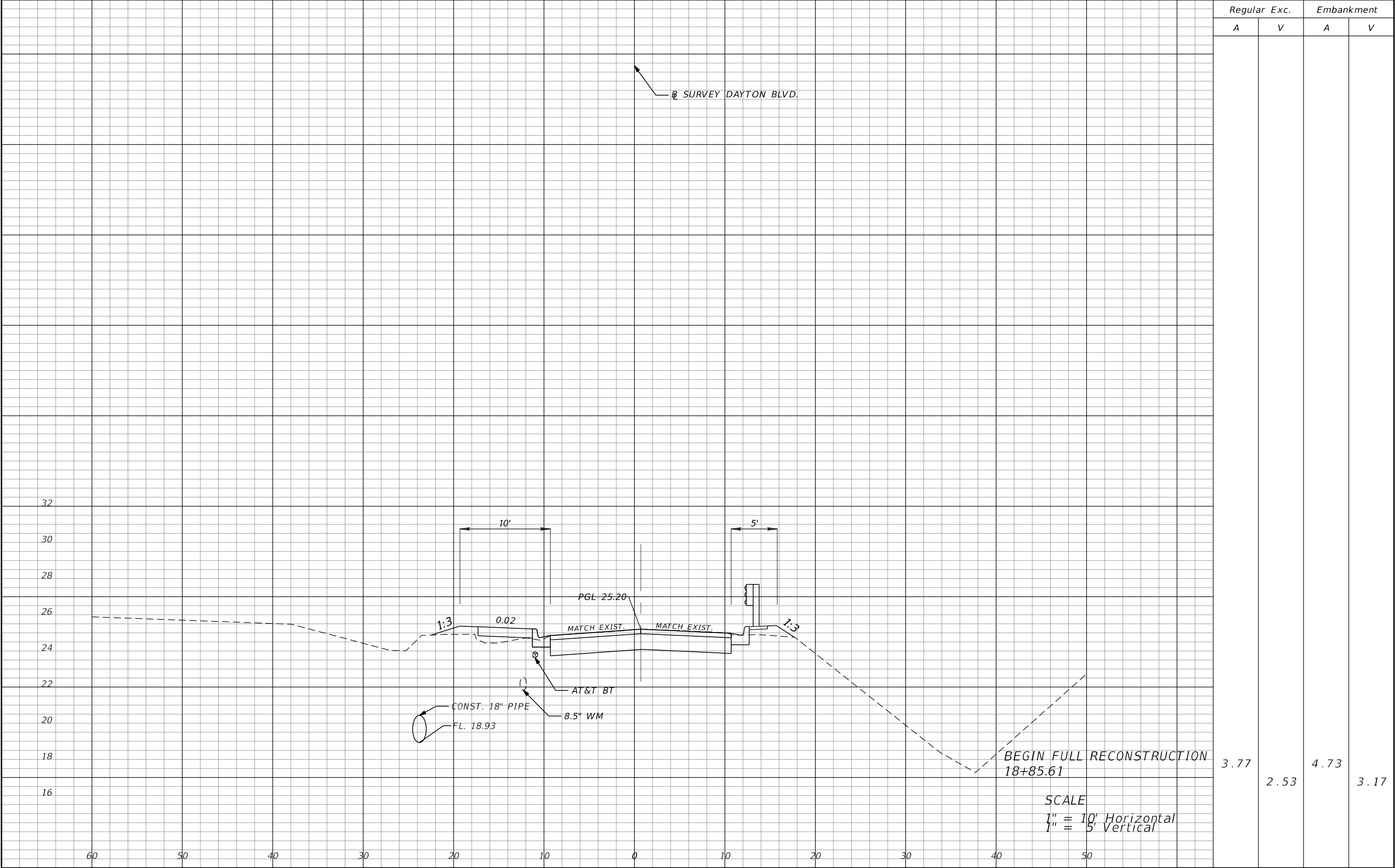
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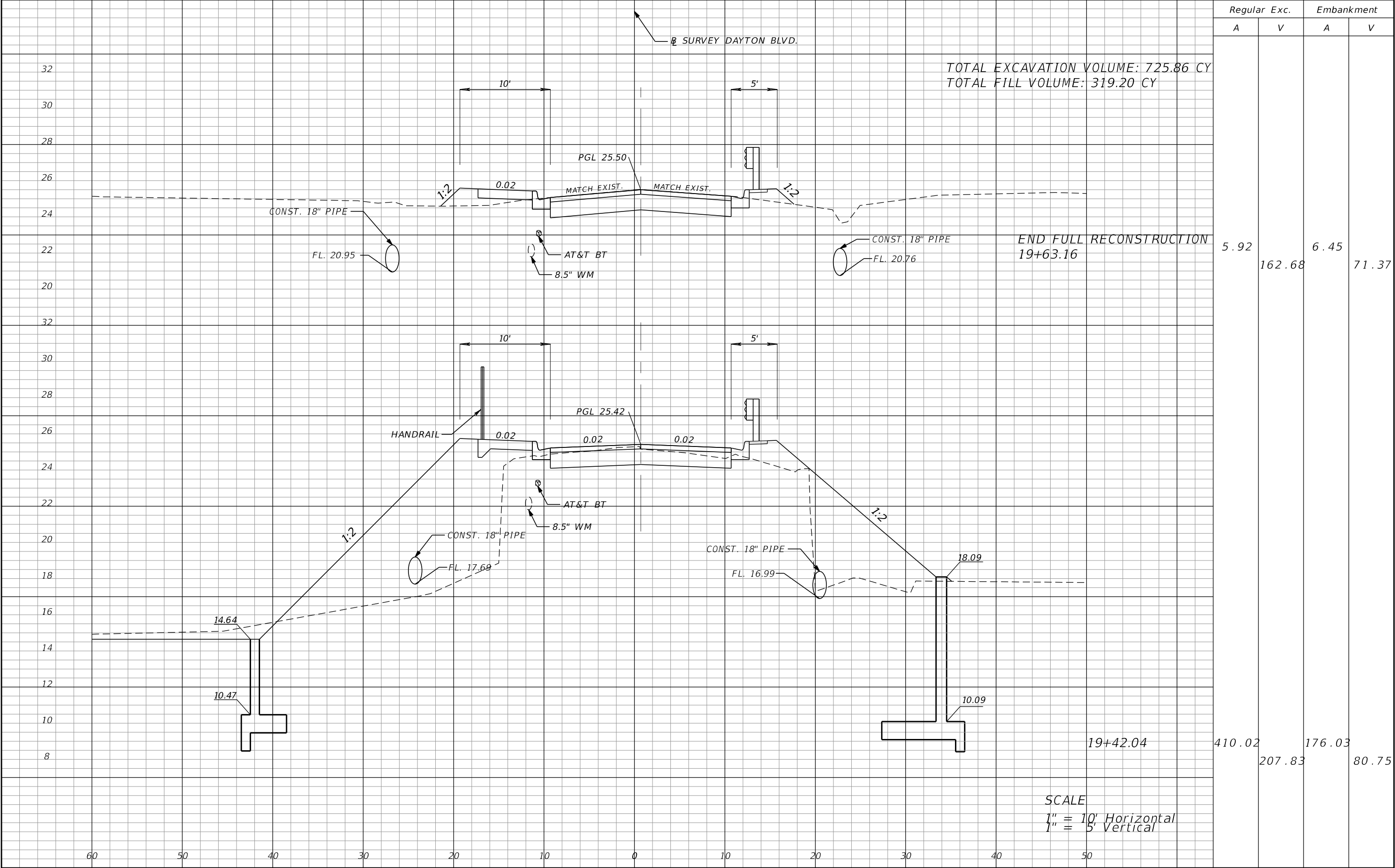
VVH#	FIELD DESCRIPTION OF FOUND UTILITY			SURVEY BL STATION	SURVEY BL OFFSET		BL	GROUND ELEV.	UTILITY COVER	TOP OF UTILITY ELEV.
1	8.5"	CI	WM	19+64.8	11.4'	L	DAYTON BLVD	25.10	2.60'	22.50
2	1.5" & 2.5"	DBC	BT	19+69.0	10.6'	L	DAYTON BLVD	25.15	1.95'	23.20
3	1.5" & 2.5"	DBC	BT	18+90.4	11.0'	L	DAYTON BLVD	24.96	1.05'	23.91
4	8.5"	CI	WM	18+87.0	12.3'	L	DAYTON BLVD	24.84	2.30'	22.54



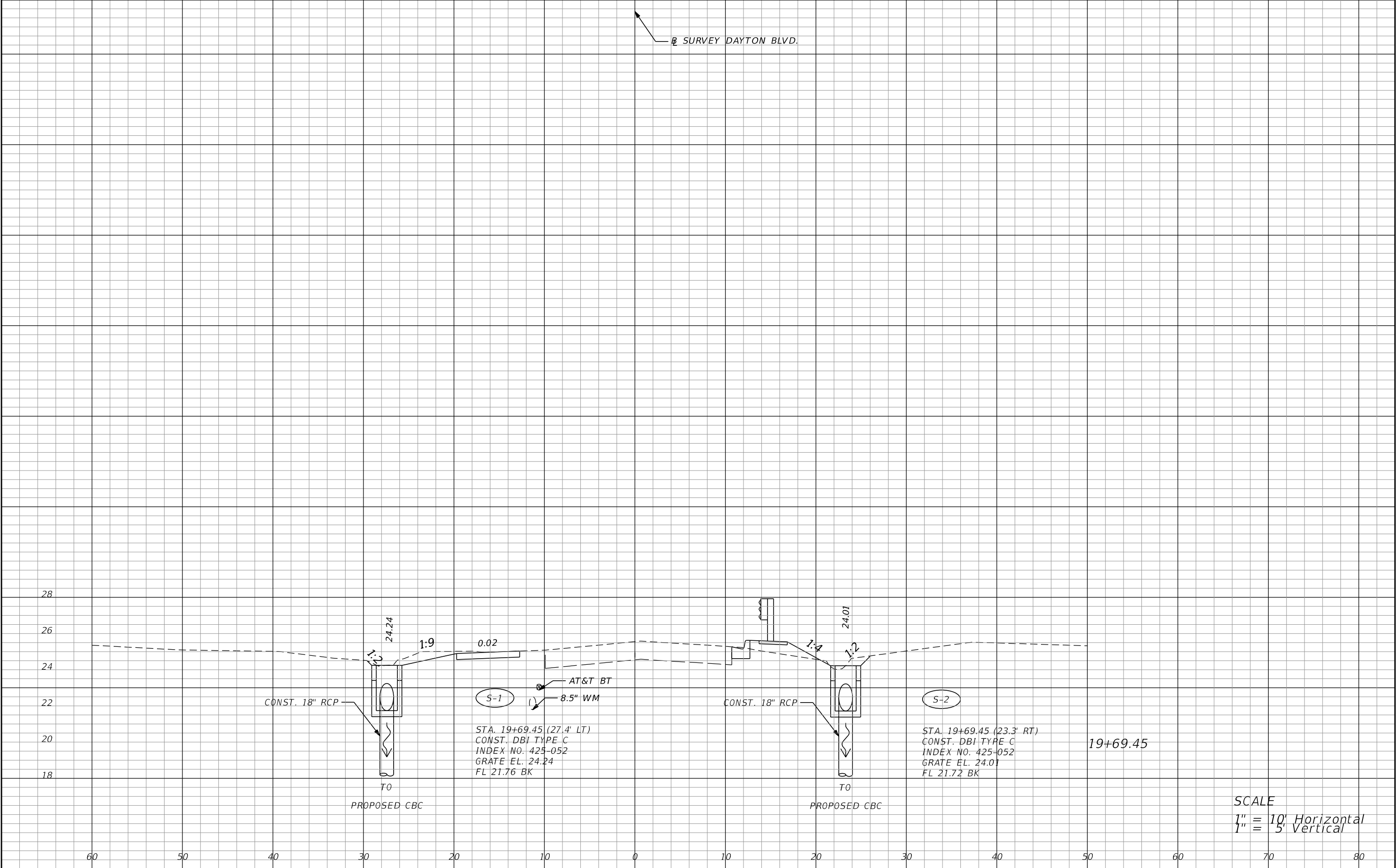
REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			BOX CULVERT / PLAN VIEW	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					DAYTON	BREVARD			



REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			CROSS SECTIONS		SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					DAYTON	BREVARD				



REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					DAYTON	BREVARD				8



REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					DAYTON	BREVARD			9



LEGEND

- DETOUR ROUTE
- ▨ WORK AREA
- ☒ ☒ ☒ TYPE III BARRICADE
- ➔ DIRECTION OF DETOURED TRAFFIC
- DL DR ED WORK ZONE SIGN

SIGN LEGEND

Sign Legend symbols and codes:

- (A) No Left Turn
- (B) No Right Turn
- (DR) Detour (Right)
- (DL) Detour (Left)
- (R1) Road Work Ahead
- (R2) Road Closed Ahead
- (ED) End Detour
- (RC1) Road Closed (Left)
- (RC2) Road Closed (Right)
- (RT) Road Closed to Thru Traffic

SOUTH DR. 25 MPH POSTED SPEED.
DAYTON BLVD. 25 MPH POSTED SPEED.

REVISIONS				DARYL R. MYERS, P.E. P.E. LICENSE NUMBER 61786 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	BREVARD COUNTY PUBLIC WORKS			TEMPORARY TRAFFIC CONTROL DETOUR PLAN		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			10	
					DAYTON	BREVARD					

BOX CULVERT DATA TABLES

BOX, HEADWALL AND CUTOFF WALL DATA TABLE (inches unless shown otherwise)																			Table Date 7-01-09	
LOCATION	STRUCTURE /BRIDGE NUMBER	BOX									HEADWALL AND CUTOFF WALL									
		Wc(ft)	Hc(ft)	Tt	Tw	Tb	Ti	#cells	Lc(ft)	Cover	Blhw	Hlhw	Brhw	Hrhw	Blcw	Hlcw	Brcw	Hrcw	SL(deg)	SR(deg)
19+24.39	N/A	12	10	12	10	13	N/A	1	55.6	3	12	24	12	24	12	36	12	36	0	0

LEFT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise)																	Table Date 01-01-11		
STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL									LEFT BEGIN WINGWALL									
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	
N/A	12	12	36	12	135	18.78	4.17	12	15.7	12	12	36	12	135	18.78	5.17	12	15	

RIGHT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise)																	Table Date 01-01-11	
STRUCTURE /BRIDGE NUMBER	RIGHT END WINGWALL									RIGHT BEGIN WINGWALL								
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)
N/A	24	12	72	12	135	18.78	8	12	14.8	36	14	84	14	90	26.6	11	12	16.82

ESTIMATED CONCRETE QUANTITIES (CY)																			Table Date 7-01-13		
STRUCTURE /BRIDGE NUMBER	BOX								LEFT END WINGWALL			LEFT BEGIN WINGWALL			RIGHT END WINGWALL			RIGHT BEGIN WINGWALL			
	Left Cutoff Wall	Right Cutoff Wall	Bottom Slab	Walls	Top Slab	Left Head Wall	Right Head Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	
N/A	0.97	0.97	32.15	34.34	28.16	.51	.51	97.72	2.91	4.70	8.19	2.78	4.77	8.10	4.93	5.48	10.96	8.12	8.36	16.99	

MAIN STEEL REINFORCEMENT SPACING (inches)																	Table Date 7-01-09		
STRUCTURE /BRIDGE NUMBER	BOX															HEADWALLS		CUTOFF WALLS	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115, 116...	803	806	809	812
N/A	12	6	6	6	6	6	N/A	12	12	12	12	12	12	12	N/A	12	12	12	12

WINGWALL STEEL REINFORCEMENT SPACING (inches)																											Table Date 7-01-09	
STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL							LEFT BEGIN WINGWALL							RIGHT END WINGWALL							RIGHT BEGIN WINGWALL						
	401 407(8)	402 (403)	404 (405)	406	409	410	411	501 507(8)	502 (503)	504 (505)	506	509	510	511	601 607(8)	602 (603)	604 (605)	606	609	610	611	701 707(8)	702 (703)	704 (705)	706	709	710	711
N/A	9	12	12	12	12	12	12	9	12	12	12	12	12	12	6	12	12	12	6	12	12	6	12	12	12	6	12	12

WINGWALL NOTE: Bar designations in "()" are only required for variable height wingwalls.

REVISIONS						HOWARD GOTSCHALL, P.E. P.E. LICENSE NUMBER 79639 HANSON PROFESSIONAL SERVICES INC. 8075 GATE PARKWAY WEST, SUITE 204 JACKSONVILLE, FL 32216-3685 CERTIFICATE OF AUTHORIZATION 00007961	DRAWN BY: ISK CHECKED BY: HNG DESIGNED BY: SEG CHECKED BY: HNG	BREVARD COUNTY PUBLIC WORKS			SHEET TITLE:					REF. DWG. NO.
DATE	BY	DESCRIPTION			DATE	BY					BOX CULVERT DATA TABLE BOX CULVERT					
								ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:					SHEET NO.
								DAYTON	BREVARD		DAYTON BLVD. CULVERT REPLACEMENT					11

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Mark		Length		No	Typ	STY		B		C			D			E			F			H			J			K			N	Θ
Size	Des	Ft	in	Bars	Bar	A	G	Ft	In	Fr	Ft	In	Fr	Ft	In	Fr	Ft	In	Fr	Ft	In	Fr	Ft	In	Fr	Ft	In	Fr	No	Ang		
				Location				Main Box												N0. Required = 1												
4	101	13	2	57	1			13	2																							
6	102	13	2	112	1			13	2																							
6	103	13	2	118	1			13	2																							
6	104	13	2	118	1			13	2																							
6	105	8	10.5	222	10			6	9		2		1	1/2																		
5	106	8	5	222	10			6	9		1		8																			
4	108	11	7	112	1			11	7																							
4	109	58	2	15	1			58	2																							
4	110	55	2	15	1			55	2																							
4	111	54	6	15	1			54	6																							
4	112	58	2	15	1			58	2																							
4	113	55	2	22	1			55	2																							
4	114	55	2	22	1			55	2																							
				Location				Left End Wingwall												N0. Required = 1												
4	401	11	8	22	1			11	8																							
4	402	15	2	5	1			15	2																							
4	403	14	2	7	1			14	2																							
4	404	15	2	5	1			15	2																							
4	405	14	2	7	1			14	2																							
4	406	11	8	17	1			11	8																							
4	407	3	8	22	10			1	6		2		2																			
4	409	4	6	17	1			4	6																							
4	410	4	6	17	1			4	6																							
4	411	15	2	12	1			15	2																							
5	412	2	0	19	1			2	0																							
				Location				Left Begin Wingwall												N0. Required = 1												
4	501	11	8	21	1			11	8																							
4	502	14	6	6	1			14	6																							
4	503	13	5	6	1			13	5																							
4	504	14	6	6	1			14	6																							
4	505	13	5	6	1			13	5																							
4	506	11	8	16	1			11	8																							
4	507	3	8	21	10			1	6		2		2																			
4	509	4	6	16	1			4	6																							
4	510	4	6	16	1			4	6																							
4	511	14	6	12	1			14	6																							
5	512	2	0	19	1			2	0																							
				Location				Right End Wingwall												N0. Required = 1												
4	601	11	8	30	1			11	8																							
4	602	14	4	9	1			14	4																							
4	603	12	6	3	1			12	6																							
4	604	14	4	9	1			14	4																							
4	605	12	6	3	1			12	6																							
4	606	11	8	16	1			11	8																							
4	607	4	8	30	10			2	6		2		2																			
4	609	8	6	30	1			8	6																							
4	610	8	6	16	1			8	6																							
4	611	14	4	20	1			14	4																							
5	612	2	0	19	1			2	0																							
				Location				Right Begin Wingwall												N0. Required = 1												
6	701	11	9	34	1			11	9																							
4	702	16	4	12	1			16	4																							
4	703	7	11	1	1			7	11																							
4	704	16	4																													