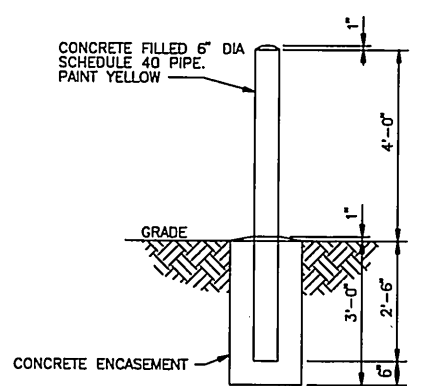
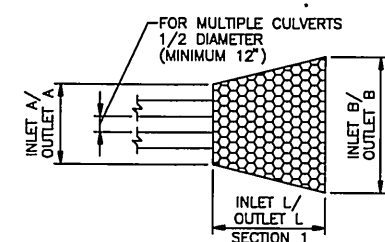


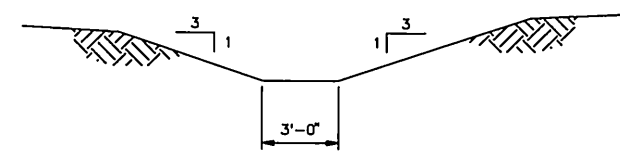


TYPICAL GUARD POST
NO SCALE

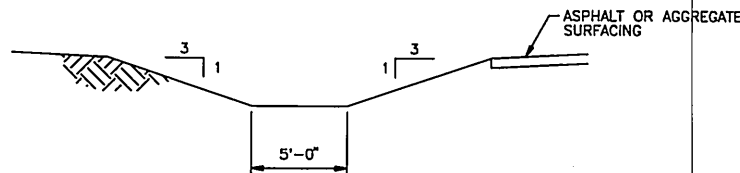


SECTION 3
CULVERT RIPRAP PLAN
NO SCALE

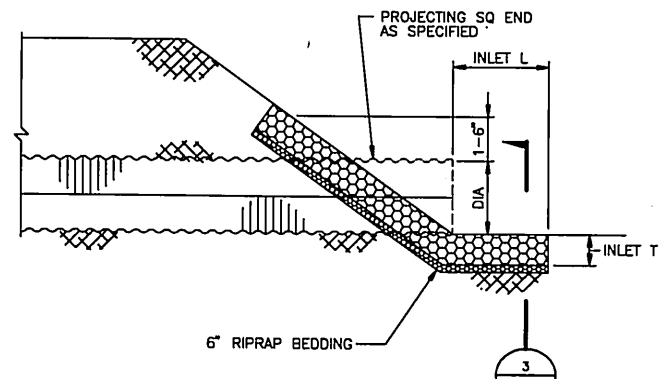
CULVERT TABLE											
CULVERT NO.	CENTERLINE COORDINATES				LENGTH	INLET INV ELEVATION	OUTLET INV ELEVATION	END TYPE	PIPE DIAMETER	NUMBER OF BARRELS	PIPE MATERIAL
	INLET END		OUTLET END								
	NORTH	EAST	NORTH	EAST							
C-1A	1434199.95	484409.35	1434216.50	484454.82	48.4'	77.75	77.50	PROJECTING	24"	1	CHDPE
C-1B	1434197.13	484410.38	1434213.68	484455.85	48.4'	77.75	77.50	PROJECTING	24"	1	CHDPE
C-2A	1434294.38	484680.29	1434311.58	484733.58	56.0'	76.75	76.33	PROJECTING	24"	1	CHDPE
C-2B	1434291.52	484681.21	1434308.72	484734.50	56.0'	76.75	76.33	PROJECTING	24"	1	CHDPE
C-2C	1434288.67	484682.13	1434305.87	484735.42	56.0'	76.75	76.33	PROJECTING	24"	1	CHDPE



SECTION 1
NO SCALE
SEE DWG S3002

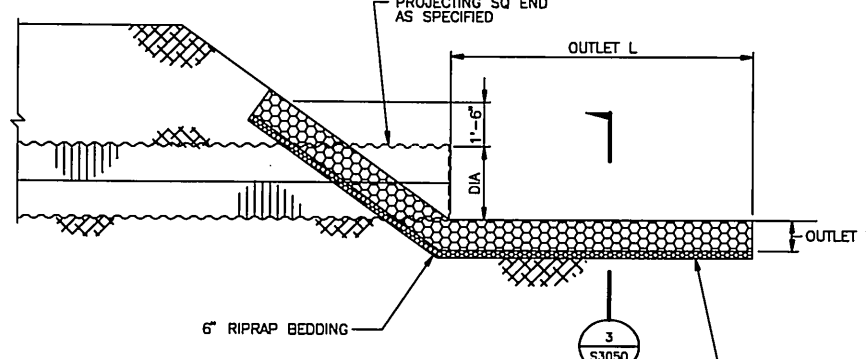


SECTION 2
NO SCALE
SEE DWGS S3001 & S3002



INLET END
SEE RIPRAP TABLE

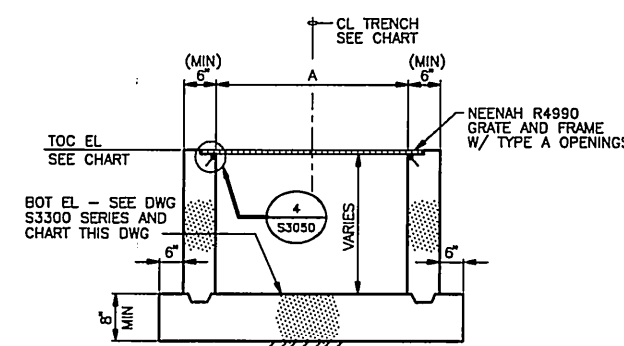
TYPICAL CULVERT RIPRAP
NO SCALE



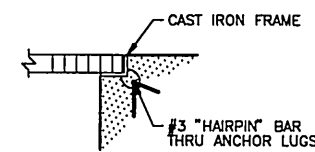
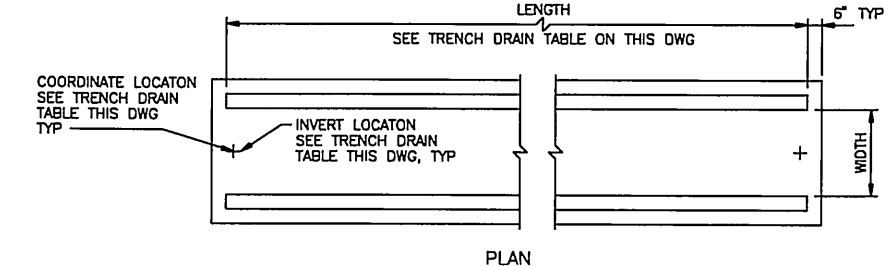
OUTLET END
SEE RIPRAP TABLE

WIDTH TO MATCH EXIST CHANNEL IF APPLICABLE

DRAINAGE TRENCH TABLE											
TRENCH DRAIN NO.	DRAWING NO.	CENTERLINE COORDINATES				LENGTH	INSIDE TRENCH WIDTH "A"	INLET TRENCH INV ELEVATION	OUTLET TRENCH INV ELEVATION	TOP OF CONCRETE ELEVATION	REMARKS
		INLET END		OUTLET END							
		NORTH	EAST	NORTH	EAST						
T-1	S3002	1434480.42	484114.96	1434439.91	484129.71	43.12	1'-6"	79.88	79.66	81.50	-
T-2	S3001	1434597.44	484671.00	1434608.86	484702.38	33.40	2'-0"	79.60	79.42	81.00	-
T-3	S3001	1434399.02	484342.22	1434364.49	484247.35	100.95	2'-0"	80.50	80.00	81.50	-
T-4	S3001	1434291.54	484452.77	1434262.24	484463.44	31.19	2'-0"	80.27	80.10	81.50	-
T-5	S3001	1434316.56	484527.31	1434291.09	484536.58	27.10	2'-0"	80.85	80.70	81.50	-
T-6	S3001	1434441.36	484727.53	1434452.43	484757.93	32.36	2'-0"	80.03	79.85	81.50	-
EXIST. T-3	S3001	-	-	1433960.44	484837.42	70.08	1'-0"	78.92	78.55	MATCH EXISTING	EXISTING TRENCH DRAIN TO BE EXTENDED

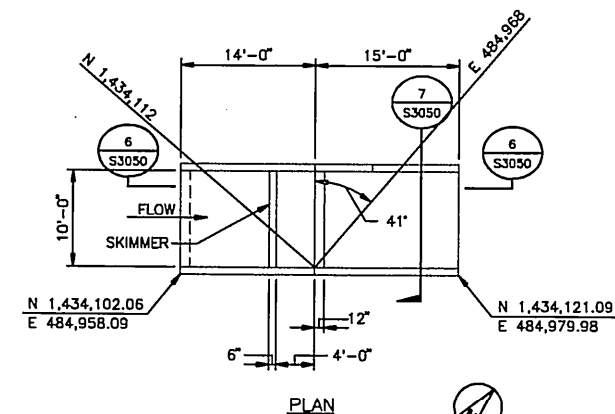


TYPICAL DRAINAGE TRENCH DETAIL
NO SCALE
SEE DWGS S3001 & S3002

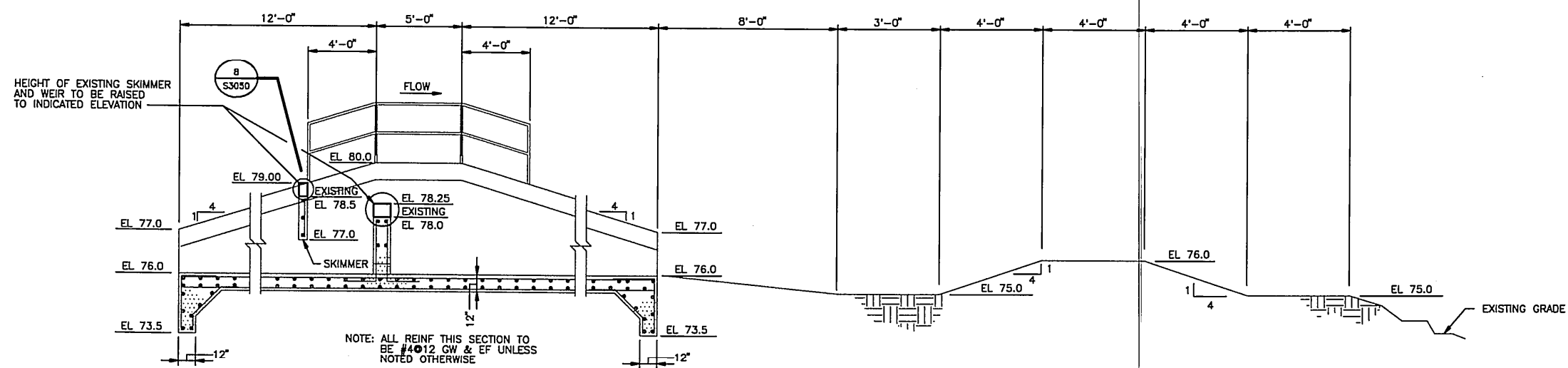


DETAIL 4
NO SCALE
SEE THIS DWG

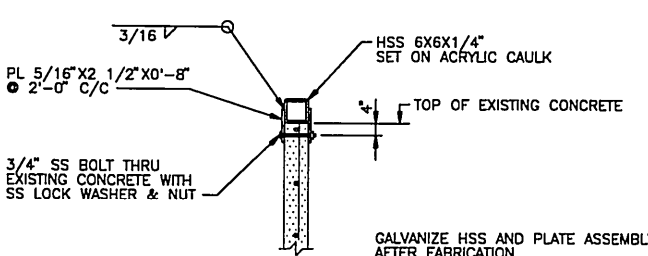
CULVERT NO.	INLET L	OUTLET L	INLET A	INLET B	OUTLET A	OUTLET B	INLET D50	OUTLET D50	REMARKS
C-1	5	12.67	8	10	8	20	9"	9"	SEE DWG 147651-4STF-S3001 FOR PLAN
C-2	5	37	11	11	11	24.25	9"	9"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-1	5	9.5	4.5	10	4.5	10	9"	6"	SEE DWG 147651-4STF-S3002 FOR PLAN
T-2	-	10	-	-	5	20	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-3	-	6.38	-	-	5	12.75	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-4	-	9	-	-	5	18	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-5	-	10	-	-	5	20	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-6	-	11	-	-	5	22	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-7	-	10	-	-	5	20	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN
T-8	-	11.5	-	-	5	23	-	6"	SEE DWG 147651-4STF-S3001 FOR PLAN



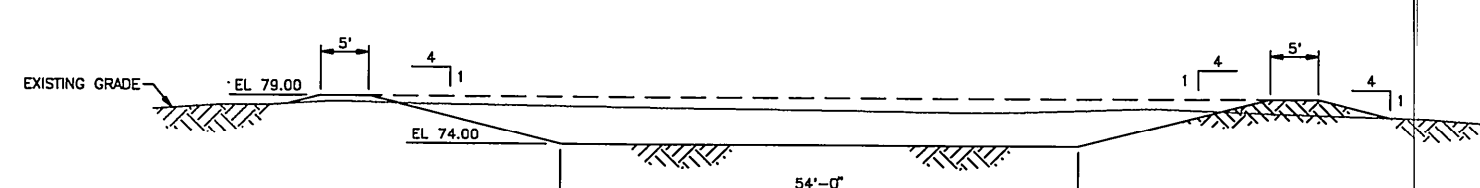
DETAIL 5
EXISTING DISCHARGE STRUCTURE NO. 2
SCALE: 1"=10'
SEE DWG S3003



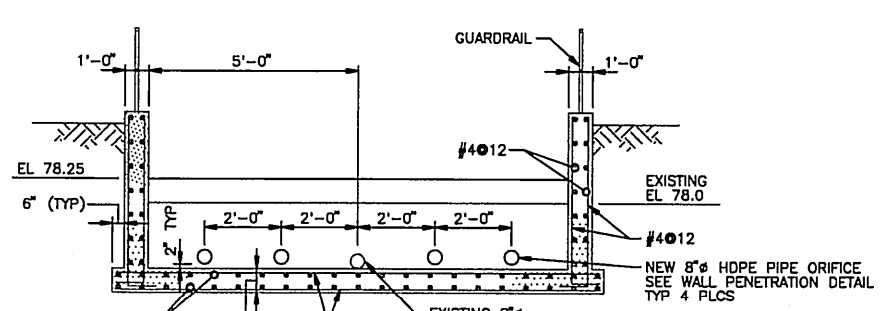
SECTION 6
NO SCALE
SEE THIS DWG



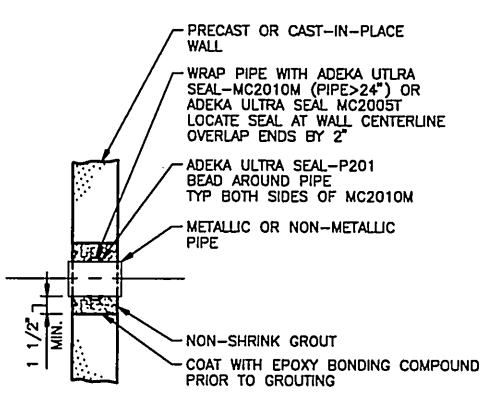
SECTION 8
NO SCALE
SEE THIS DWG



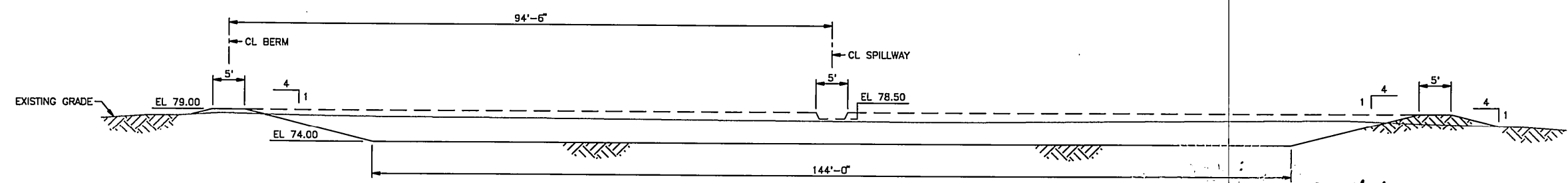
SECTION 9
NO SCALE
SEE DWG S3002



SECTION 7
NO SCALE
SEE THIS DWG



WALL PENETRATION DETAIL
NO SCALE



SECTION 10
NO SCALE
SEE DWG S3002

NOTES

- SEE DWG S3000 FOR GENERAL NOTES, LEGEND, ABBREVIATIONS AND KEY PLAN.
- THE ELEVATIONS ARE BASED ON THE NGVD 1929 DATUM. NAVD 1988 = NGVD 1929-0.812 FT.

**FOR PERMITTING PURPOSE ONLY
APPROVED FOR CONSTRUCTION**

FLORIDA MUNICIPAL POWER AGENCY
CANE ISLAND POWER PARK UNIT 4

PROJECT: 147651-4STF-S3050
DRAWING NUMBER: 1
REV: 1

GRADING AND DRAINAGE - SITE SECTIONS AND DETAILS

RUN2025 ACAD 16.1s (US Tech)
147651-4STF-S3050

NO.	DATE	DESCRIPTION	BY	CHKD
1	06/06/2008	GENERAL REVISIONS	WJBL	JMS
2	04/01/2008	ISSUED FOR CONSTRUCTION	WJBL	JMS
3		REVISIONS AND RECORD OF ISSUE	WJBL	JMS

WILLIAM JOHN BLAUMWEL
FLORIDA P.E. LICENSE NO. 65919
BLACK & VEATCH CORPORATION
11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
CERTIFICATE OF AUTHORIZATION NO. 00008132

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A BUILT-REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.

SIGNED: WILLIAM JOHN BLAUMWEL
DATE: 06/06/2008 REG. NO. 65919

BLACK & VEATCH CORPORATION
ENGINEER: JMS
DRAWN: WJR
CHECKED: JMS
DATE: 04/01/2008