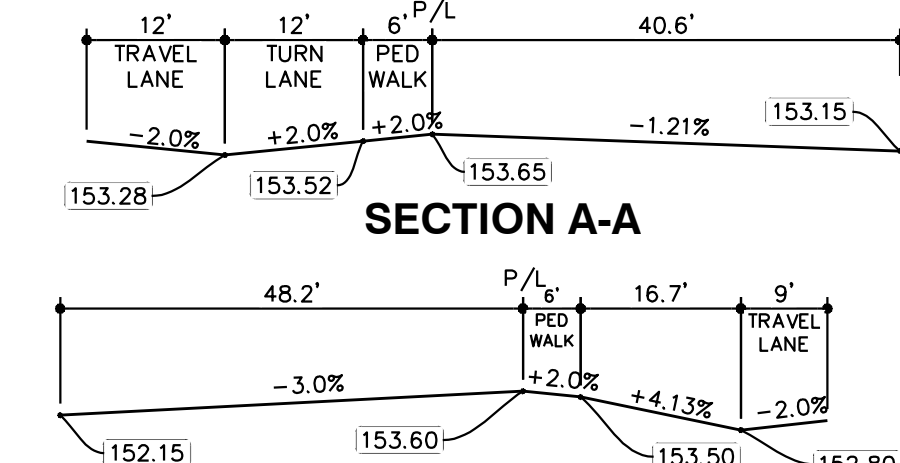


STRUCTURE ID:	TYPE:	GRATE/RIM EL. (FT)	INVERT EL. (FT)(PIPE ID)
D-1	8" YARD DRAIN	154.50	INV IN = 148.54 (P-1)
D-3	8" YARD DRAIN	154.22	INV IN = 148.82 (P-2) INV OUT = 148.72 (P-1)
D-5	8" YARD DRAIN	154.75	INV IN = 149.10 (P-3) INV OUT = 149.00 (P-2)
D-6	TYPE-C INLET FDOT INDEX #232	152.35	INV IN = 149.25 (P-5) INV OUT = 149.15 (P-6)
D-7	TYPE C INLET	154.10	INV OUT = 149.66 (P-7)
D-8	TYPE P MH	153.28	INV IN = 148.57 (P-6) INV IN = 148.85 (P-7) INV OUT = 148.47 (P-8)
D-9	TYPE-C INLET FDOT INDEX #232	151.59	INV OUT = 148.59 (P-9)
D-10	TYPE-D INLET PER FDOT INDEX #232	151.68	INV IN = 147.99 (P-8) INV IN = 147.99 (P-9) INV OUT = 146.49 (P-10)
D-11	M.E.S. PER FDOT INDEX #272	150.05	
D-12	8" YARD DRAIN	154.50	INV OUT = 151.29 (P-12)
D-13	8" YARD DRAIN	154.79	INV OUT = 151.08 (P-13)
D-14	8" YARD DRAIN	154.30	INV IN = 150.11 (P-12) INV IN = 150.31 (P-13) INV OUT = 150.01 (P-14)
D-15	8" YARD DRAIN	155.03	INV IN = 149.70 (P-14) INV OUT = 149.60 (P-15)
D-16	8" YARD DRAIN	154.05	INV IN = 149.58 (P-16)
D-17	8" YARD DRAIN	154.18	INV IN = 150.46 (P-17)
D-18	8" YARD DRAIN	153.58	INV IN = 149.86 (P-17) INV IN = 149.76 (P-18) INV OUT = 149.76 (P-18)
D-19	8" YARD DRAIN	154.61	INV IN = 149.44 (P-18) INV IN = 149.34 (P-19)
D-20	TYPE-C INLET FDOT INDEX #232	153.18	INV IN = 148.95 (P-19) INV IN = 148.79 (P-19) INV OUT = 148.95 (P-20)
D-21	TYPE-C INLET FDOT INDEX #232	151.88	INV IN = 148.22 (P-20) INV IN = 148.79 (P-19) INV OUT = 146.49 (P-21)
D-22	TYPE-C INLET FDOT INDEX #232	151.72	INV IN = 145.47 (P-21) INV IN = 145.43 (P-22) INV OUT = 145.34 (P-23)
D-23	TYPE-D INLET FDOT INDEX #232	150.52	INV IN = 145.47 (P-21) INV IN = 145.43 (P-22) INV OUT = 145.34 (P-23)
D-24	M.E.S. PER FDOT INDEX #272	147.94	INV IN = 144.65 (P-23)

STRUCTURE ID:	TYPE:	GRATE/RIM EL. (FT)	INVERT EL. (FT)(PIPE ID)
D-25	8" YARD DRAIN	153.45	INV OUT = 149.74 (P-25)
D-26	8" YARD DRAIN	151.70	INV OUT = 147.99 (P-26)
D-27	8" YARD DRAIN	153.17	INV IN = 147.81 (P-26) INV OUT = 147.71 (P-27)
D-28	8" YARD DRAIN	153.30	INV IN = 147.19 (P-27) INV OUT = 147.09 (P-28)
D-29	8" YARD DRAIN	153.09	INV IN = 146.91 (P-28) INV IN = 149.38 (P-25) INV OUT = 146.81 (P-29)
D-30	8" YARD DRAIN	154.07	INV IN = 146.50 (P-29) INV OUT = 146.40 (P-30)
D-31	TYPE-C INLET FDOT INDEX #232	150.89	INV IN = 146.19 (P-30) INV IN = 145.36 (P-31)
D-32	TYPE-D INLET FDOT INDEX #232	150.70	INV IN = 144.70 (P-31) INV OUT = 144.70 (P-32)
D-33	TYPE-C INLET FDOT INDEX #232	152.84	INV OUT = 148.40 (P-33)
D-34	TYPE-C INLET FDOT INDEX #232	151.26	INV IN = 147.90 (P-33) INV IN = 147.90 (P-34)
D-35	TYPE-D INLET FDOT INDEX #232	150.40	INV IN = 143.94 (P-32) INV IN = 144.44 (P-34) INV OUT = 143.44 (P-35)
D-36	M.E.S. PER FDOT INDEX #272	146.08	INV IN = 142.79 (P-35)
D-37	8" YARD DRAIN	151.46	INV IN = 147.75 (P-37)
D-38	8" YARD DRAIN	151.35	INV IN = 147.46 (P-37) INV IN = 147.36 (P-38)
D-39	8" YARD DRAIN	151.21	INV IN = 147.14 (P-38) INV IN = 147.04 (P-39)
D-40	TYPE-C INLET FDOT INDEX #232	151.78	INV IN = 146.39 (P-40) INV IN = 146.78 (P-39) INV OUT = 145.89 (P-41)
D-41	TYPE-C INLET FDOT INDEX #232	151.09	INV IN = 146.39 (P-40) INV IN = 145.89 (P-41)
D-42	TYPE-C INLET FDOT INDEX #232	151.10	INV IN = 146.13 (P-42)
D-43	TYPE-D INLET FDOT INDEX #232	151.26	INV IN = 145.24 (P-41) INV IN = 145.74 (P-42) INV OUT = 144.74 (P-43)
D-44	TYPE-D INLET FDOT INDEX #232	151.43	INV IN = 144.42 (P-43) INV IN = 144.42 (P-44)
D-45	M.E.S. PER FDOT INDEX #272	147.38	INV IN = 144.08 (P-44)
D-47	8" YARD DRAIN	153.50	INV IN = 149.79 (P-4) INV OUT = 149.79 (P-5)

STRUCTURE ID:	TYPE:	GRATE/RIM EL. (FT)	INVERT EL. (FT)(PIPE ID)
D-48	8" YARD DRAIN	154.32	INV IN = 149.61 (P-4) INV OUT = 149.51 (P-3)
D-49	TYPE-C INLET FDOT INDEX #232	151.91	INV OUT = 147.20 (P-49)
D-50	TYPE-D INLET FDOT INDEX #232	151.56	INV IN = 139.52 (P-10) INV IN = 146.74 (P-49) INV OUT = 139.42 (P50)

PIPE NAME:	LENGTH (FT)	SIZE & MATERIAL	PIPE SLOPE (%)	UPPER INV. EL. (FT)	LOWER INV. EL. (FT)
P-1	45'	8" Corrugated HDPE Pipe	0.40%	148.72	148.54
P-2	45'	8" Corrugated HDPE Pipe	0.40%	149.00	148.82
P-3	102'	8" Corrugated HDPE Pipe	0.40%	149.51	149.10
P-4	45'	8" Corrugated HDPE Pipe	0.40%	149.79	149.61
P-5	135'	8" Corrugated HDPE Pipe	0.40%	149.79	149.25
P-6	134'	18" Reinforced Concrete Pipe	0.43%	149.15	148.57
P-7	122'	15" Reinforced Concrete Pipe	0.67%	149.66	148.85
P-8	120'	18" Reinforced Concrete Pipe	0.40%	148.47	147.99
P-9	183'	18" Reinforced Concrete Pipe	0.33%	148.59	147.99
P-10	132'	36" Reinforced Concrete Pipe	5.27%	146.49	139.52
P-12	45'	8" Corrugated HDPE Pipe	2.63%	151.29	150.11
P-13	45'	8" Corrugated HDPE Pipe	1.71%	151.08	150.31
P-14	79'	8" Corrugated HDPE Pipe	0.40%	150.01	149.70
P-15	83'	8" Corrugated HDPE Pipe	0.97%	148.60	148.79
P-16	45'	8" Corrugated HDPE Pipe	0.40%	149.76	149.58
P-17	45'	8" Corrugated HDPE Pipe	1.33%	150.46	149.86
P-18	82'	8" Corrugated HDPE Pipe	0.40%	149.76	149.44
P-19	96'	8" Corrugated HDPE Pipe	0.40%	149.34	148.95
P-20	183'	18" Reinforced Concrete Pipe	0.40%	148.95	148.22
P-21	254'	24" Reinforced Concrete Pipe	0.40%	146.49	145.47
P-22	181'	18" Reinforced Concrete Pipe	0.40%	-4.71	-5.43
P-23	172'	30" Reinforced Concrete Pipe	0.40%	145.34	144.65
P-25	45'	8" Corrugated HDPE Pipe	0.80%	149.74	149.38
P-26	44'	8" Corrugated HDPE Pipe	0.40%	147.99	147.81
P-27	131'	8" Corrugated HDPE Pipe	0.40%	147.71	147.19
P-28	45'	8" Corrugated HDPE Pipe	0.40%	147.09	146.91
P-29	76'	8" Corrugated HDPE Pipe	0.40%	146.81	146.50
P-30	54'	8" Corrugated HDPE Pipe	0.40%	146.40	146.19



PIPE NAME:	LENGTH (FT)	SIZE & MATERIAL	PIPE SLOPE (%)	UPPER INV. EL. (FT)	LOWER INV. EL. (FT)
P-33	125'	15" Reinforced Concrete Pipe	0.40%	148.40	147.90
P-34	161'	18" Reinforced Concrete Pipe	2.15%	147.90	144.44
P-35	163'	30" Reinforced Concrete Pipe	0.40%	143.44	142.79
P-37	73'	8" Corrugated HDPE Pipe	0.40%	147.75	147.46
P-38	55'	8" Corrugated HDPE Pipe	0.40%	147.36	147.14
P-39	66'	8" Corrugated HDPE Pipe	0.40%	147.04	146.78
P-40	115'	18" Reinforced Concrete Pipe	0.40%	146.85	146.39
P-41	161'	24" Reinforced Concrete Pipe	0.40%	145.89	145.24
P-42	98'	18" Reinforced Concrete Pipe	0.40%	146.13	145.74
P-43	80'	30" Reinforced Concrete Pipe	0.40%	144.74	144.42
P-44	83'	30" Reinforced Concrete Pipe	0.40%	144.42	144.08
P-49	116'	18" Reinforced Concrete Pipe	0.40%	147.20	146.74
P50	41'	36" Reinforced Concrete Pipe	0.40%	139.42	139.25

ITEM	DESCRIPTION
1	5' LEVEL LANDING. 2.0% (MAX) SLOPE ALL DIRECTIONS.
2	6' RAMP NOT TO EXCEED 1:12 OR 8.33% SLOPE.
3	ADA ACCESSIBLE ZONE. SLOPES NOT TO EXCEED 2.0% ALL IN DIRECTIONS.
4	ADA ACCESSIBLE ROUTE. RUNNING SLOPE NOT TO EXCEED 5.0% AND CROSS SLOPE NOT TO EXCEED 2.0%.
5	SILT EROSION PROTECTION. SHOWN HERE FOR CLARITY. ACTUAL LOCATION TO BE INSIDE PROPERTY LIMITS. SEE SHEET D1.0

- ### PAVING & GRADING NOTES
- ALL STORM PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP).
 - PROPERTY OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL ON-SITE STORMWATER MANAGEMENT SYSTEMS.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD 48 HOURS PRIOR TO COVERING STORMWATER PIPING FOR INSPECTION.
 - SEE PRE-DEVELOPMENT DRAINAGE PLAN, SHEET C6.0 FOR EROSION AND SILTATION CONTROL ALONG WITH GENERAL NOTES.
 - SEE SITE PLAN, SHEET C4.0 FOR SITE DATA.
 - SEE BOUNDARY & TOPOGRAPHIC SURVEY FOR TEMPORARY BENCH MARK (TBM) LOCATIONS.
 - THE CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR LOCAL MUNICIPALITY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION WITH REGARD TO IMPROVEMENTS WITHIN THEIR RESPECTIVE RIGHTS-OF-WAY.
 - ALL PVC STORM PIPE SHALL COMPLY WITH AWWA, SDR 35.
 - ALL DISTURBED AREAS WITHIN RIGHTS-OF-WAY TO BE RETURNED TO MATCH EXISTING CONDITION.
 - ALL CLEANOUT TOP ELEVATION SHALL MATCH FINISH GRADE ELEVATIONS.
 - CONTRACTOR SHALL INSTALL EROSION CONTROL SILT FENCE AROUND THE PERIMETER OF THE SITE AND MUST MAINTAIN THE SILT FENCE IN GOOD REPAIR UNTIL ALL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED. SEE SHEET C3.1.
 - THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ANY CONSTRUCTION IF ANY PROBLEMS OR DISCREPANCIES EXIST.
- ### STRUCTURAL FILL NOTE
- FILL MATERIAL SHALL BE PER GEOTECHNICAL REPORT. FILL SHOULD BE PLACED IN LIFTS NOT TO EXCEED ONE FOOT THICK. THE FILL MATERIAL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF ITS MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557). CONFINED AREAS, SUCH AS UTILITY TRENCHES, SHOULD BE COMPACTED WITH MANUALLY OPERATED VIBRATORY COMPACTION EQUIPMENT.

DRAINAGE LEGEND

- EL ELEVATION
- TYP TYPICAL
- CO CLEANOUT
- IE INVERT ELEVATION
- EXISTING ELEVATION
- PROPOSED PAVEMENT ELEVATION
- GRATE INLET
- FFE FINISH FLOOR ELEVATION
- RCP REINFORCED CONCRETE PIPE
- S-7 STORM SEWER STRUCTURE NUMBER
- HP HIGH POINT
- MEG MATCH EXISTING GRADE
- DS BUILDING DOWN SPOUT
- 12" OR GREATER STORMWATER PIPE
- LESS THAN 12" STORMWATER PIPE
- SURFACE STORMWATER FLOW
- DIRECTION OF PIPE FLOW

DATUM NOTE:

CURRENT SURVEY ELEVATIONS ARE BASED ON NGVD29 DATUM.
CONVERSION TO NAVD88 DATUM: SUBTRACT 0.88 FEET FROM ELEVATIONS SHOWN.

Know what's below. Call before you dig.

IMPORTANT:

ALL SERVICE LATERALS, VALVES, FIRE HYDRANTS, FITTINGS, INLETS, ETC... SHOWN HEREON ARE GRAPHICAL SYMBOLS ONLY AND NOT TO SCALE. REFER TO DETAIL SHEETS FOR EXACT LOCATION, SIZE AND OTHER SPECIFICS.

REVISIONS

NO.	DATE	APPR.

DAVID C. CARTER, P.E.
REGISTERED PROFESSIONAL ENGINEER
NO. 13195
FLORIDA
SIGNED AND SEALED BY
DATE: 11/17/19
THIS DOCUMENT IS NOT VALID FOR ANY OTHER PROJECTS.
ANY ELECTRONIC SIGNATURES ARE VOID.

PROJECT NO. 278
SHEET # C7.0
PLOT DATE Nov 16, 2019-15:03

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