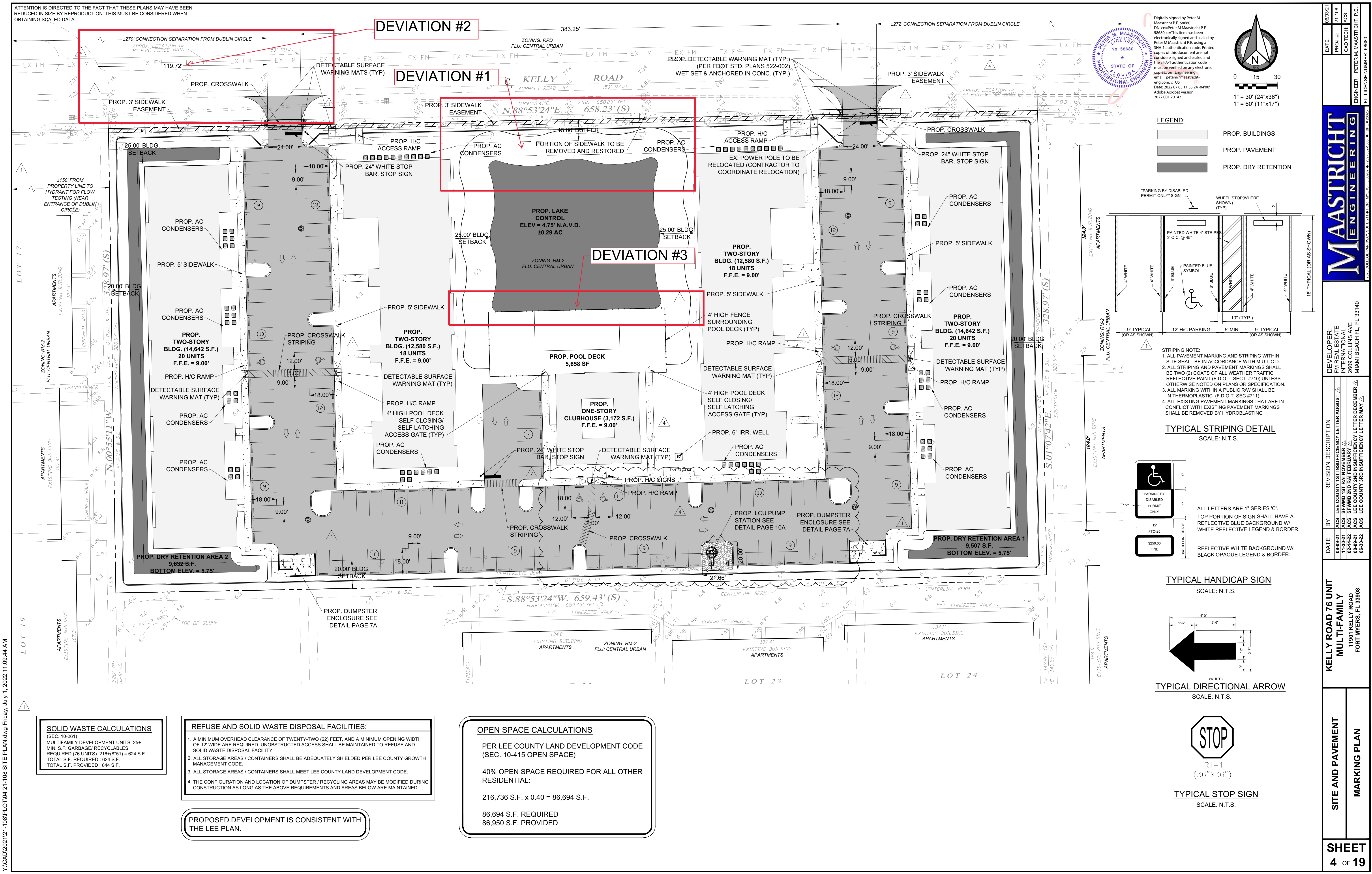
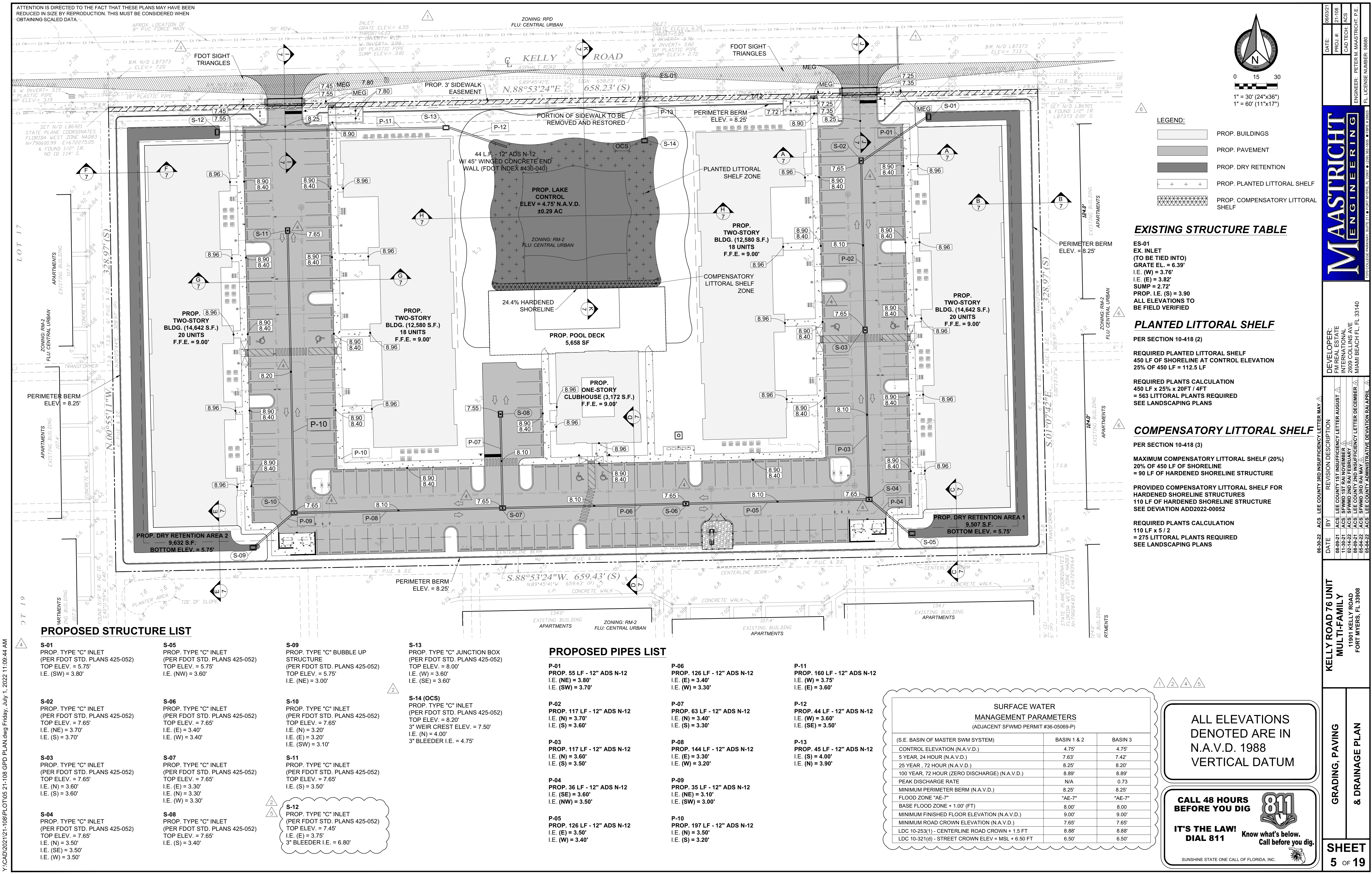
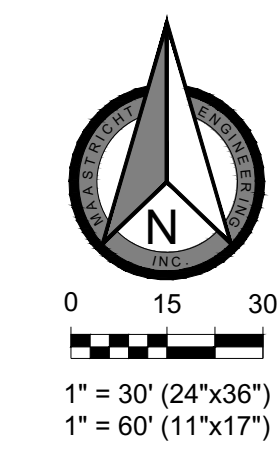






ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



- LEGEND:**
- PROP. BUILDINGS
 - PROP. PAVEMENT
 - PROP. DRY RETENTION
 - PROP. PLANTED LITTORAL SHELF
 - PROP. COMPENSATORY LITTORAL SHELF

EXISTING STRUCTURE TABLE

ES-01
EX. INLET
(TO BE TIED INTO)
GRATE EL. = 6.39'
I.E. (W) = 3.76'
I.E. (E) = 3.82'
SUMP = 2.72'
PROP. I.E. (S) = 3.90
ALL ELEVATIONS TO BE FIELD VERIFIED

PLANTED LITTORAL SHELF

PER SECTION 10-418 (2)
REQUIRED PLANTED LITTORAL SHELF
450 LF OF SHORELINE AT CONTROL ELEVATION
25% OF 450 LF = 112.5 LF
REQUIRED PLANTS CALCULATION
450 LF x 25% x 20 FT / 4 FT
= 563 LITTORAL PLANTS REQUIRED
SEE LANDSCAPING PLANS

COMPENSATORY LITTORAL SHELF

PER SECTION 10-418 (3)
MAXIMUM COMPENSATORY LITTORAL SHELF (20%)
20% OF 450 LF OF SHORELINE
= 90 LF OF HARDENED SHORELINE STRUCTURE
PROVIDED COMPENSATORY LITTORAL SHELF FOR HARDENED SHORELINE STRUCTURES
110 LF OF HARDENED SHORELINE STRUCTURE
SEE DEVIATION ADD2022-00052
REQUIRED PLANTS CALCULATION
110 LF x 5 / 2
= 275 LITTORAL PLANTS REQUIRED
SEE LANDSCAPING PLANS

PROPOSED STRUCTURE LIST

- S-01**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (SW) = 3.80'
- S-02**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (NE) = 3.70'
I.E. (S) = 3.70'
- S-03**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.60'
I.E. (S) = 3.60'
- S-04**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.50'
I.E. (W) = 3.50'
- S-05**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (NW) = 3.60'
- S-06**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (E) = 3.40'
I.E. (W) = 3.40'
- S-07**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (E) = 3.30'
I.E. (W) = 3.30'
- S-08**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (S) = 3.40'
- S-09**
PROP. TYPE "C" BUBBLE UP STRUCTURE
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (NE) = 3.00'
- S-10**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.20'
I.E. (E) = 3.20'
I.E. (SW) = 3.10'
- S-11**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (S) = 3.50'
- S-12**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.45'
I.E. (E) = 3.75'
3" BLEEDER I.E. = 6.80'

PROPOSED PIPES LIST

- P-01**
PROP. 55 LF - 12" ADS N-12
I.E. (NE) = 3.80'
I.E. (SW) = 3.70'
- P-02**
PROP. 117 LF - 12" ADS N-12
I.E. (N) = 3.70'
I.E. (S) = 3.60'
- P-03**
PROP. 117 LF - 12" ADS N-12
I.E. (N) = 3.60'
I.E. (S) = 3.50'
- P-04**
PROP. 36 LF - 12" ADS N-12
I.E. (SE) = 3.60'
I.E. (NW) = 3.50'
- P-05**
PROP. 126 LF - 12" ADS N-12
I.E. (E) = 3.50'
I.E. (W) = 3.40'
- P-06**
PROP. 126 LF - 12" ADS N-12
I.E. (E) = 3.40'
I.E. (W) = 3.30'
- P-07**
PROP. 63 LF - 12" ADS N-12
I.E. (N) = 3.40'
I.E. (S) = 3.30'
- P-08**
PROP. 144 LF - 12" ADS N-12
I.E. (E) = 3.30'
I.E. (W) = 3.20'
- P-09**
PROP. 35 LF - 12" ADS N-12
I.E. (NE) = 3.10'
I.E. (SE) = 3.00'
- P-10**
PROP. 197 LF - 12" ADS N-12
I.E. (N) = 3.50'
I.E. (S) = 3.20'
- P-11**
PROP. 160 LF - 12" ADS N-12
I.E. (W) = 3.75'
I.E. (E) = 3.60'
- P-12**
PROP. 44 LF - 12" ADS N-12
I.E. (S) = 4.00'
I.E. (SE) = 3.90'
- P-13**
PROP. 45 LF - 12" ADS N-12
I.E. (S) = 4.00'
I.E. (N) = 3.90'

SURFACE WATER MANAGEMENT PARAMETERS (ADJACENT SFWMD PERMIT #36-05069-P)		
(S.E. BASIN OF MASTER SWM SYSTEM)	BASIN 1 & 2	BASIN 3
CONTROL ELEVATION (N.A.V.D.)	4.75'	4.75'
5 YEAR, 24 HOUR (N.A.V.D.)	7.63'	7.42'
25 YEAR, 72 HOUR (N.A.V.D.)	8.25'	8.20'
100 YEAR, 72 HOUR (N.A.V.D.)	8.89'	8.89'
PEAK DISCHARGE RATE	N/A	0.73
MINIMUM PERIMETER BERM (N.A.V.D.)	8.25'	8.25'
FLOOD ZONE "AE-7"	"AE-7"	"AE-7"
BASE FLOOD ZONE + 1.00' (FT)	8.00'	8.00'
MINIMUM FINISHED FLOOR ELEVATION (N.A.V.D.)	9.00'	9.00'
MINIMUM ROAD CROWN ELEVATION (N.A.V.D.)	7.65'	7.65'
LDC 10-25(1) - CENTERLINE ROAD CROWN + 1.5 FT	8.88'	8.88'
LDC 10-321(d) - STREET CROWN ELEV = MSL + 6.50 FT	6.50'	6.50'

ALL ELEVATIONS
DENOTED ARE IN
N.A.V.D. 1988
VERTICAL DATUM

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

DATE: 06/03/21
PROJECT: 21-108
CAD TECH: JCS
ENGINEER: PETER M. MAASTRICHT, P.E.
FL. LICENSE NUMBER: 16860

MAASTRICHT ENGINEERING

DEVELOPER: PALM BEACH ESTATE INTERNATIONAL
2609 COLLINS AVE
MIAMI BEACH, FL 33140

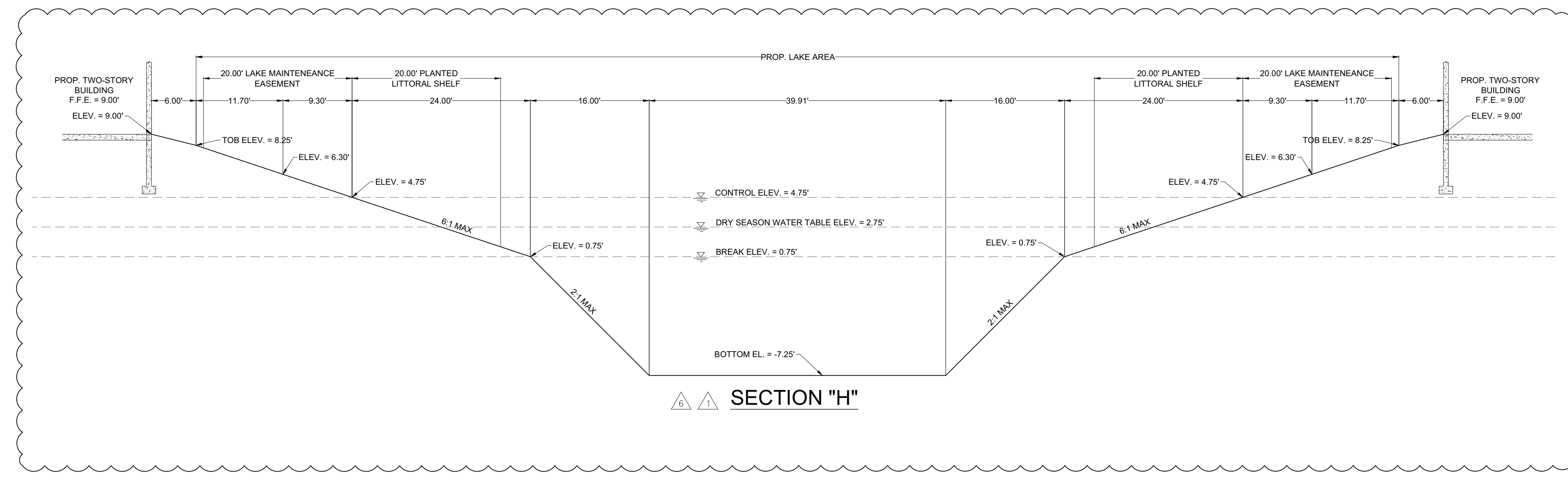
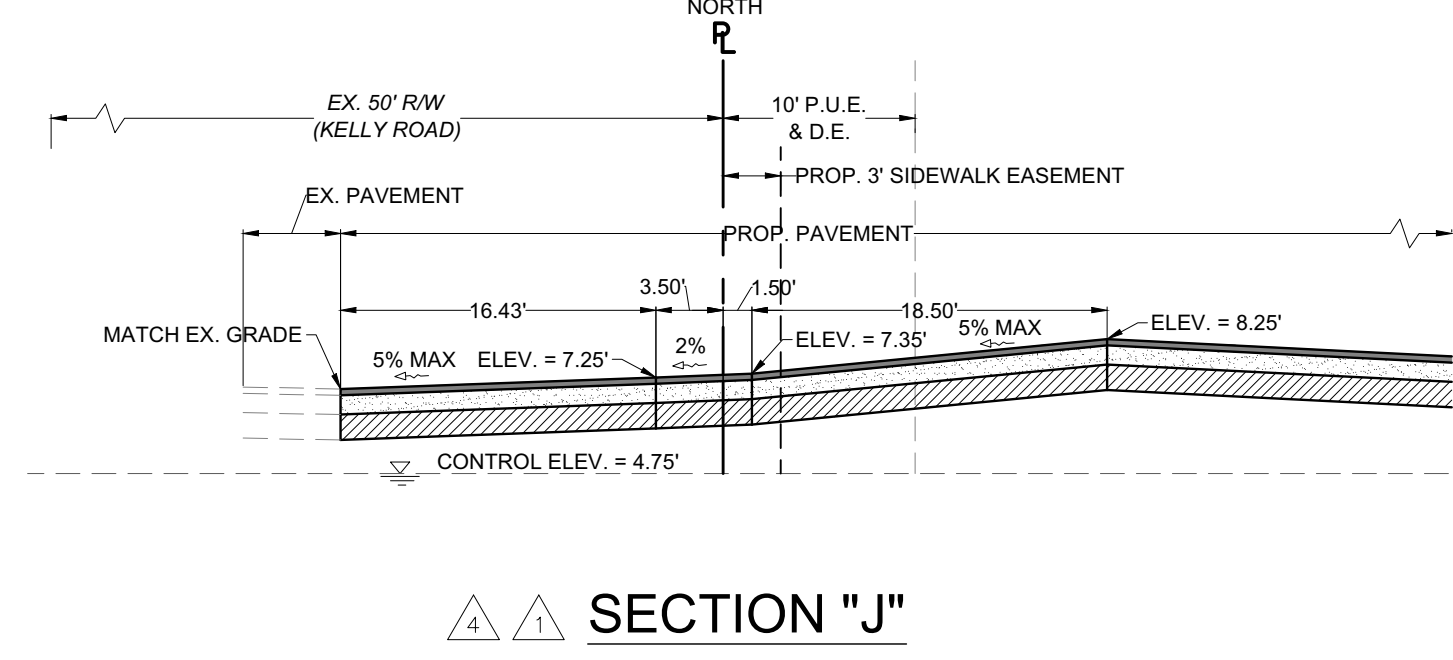
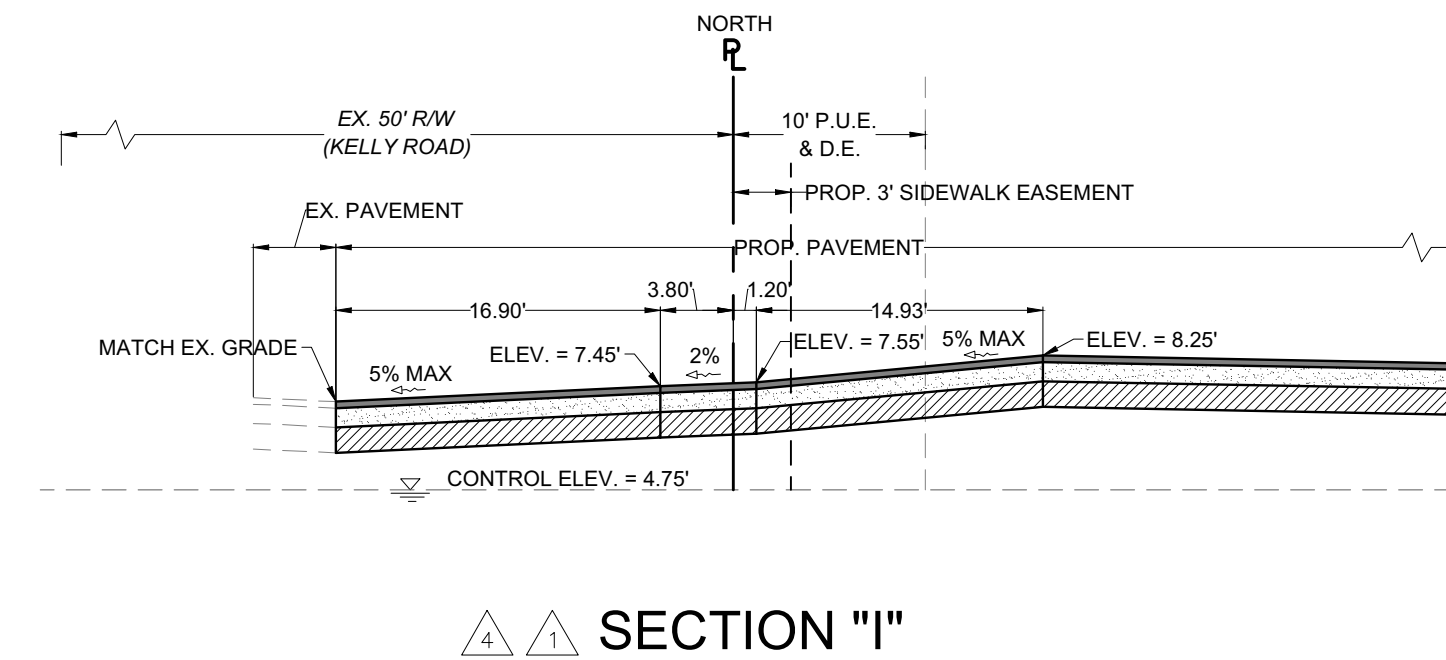
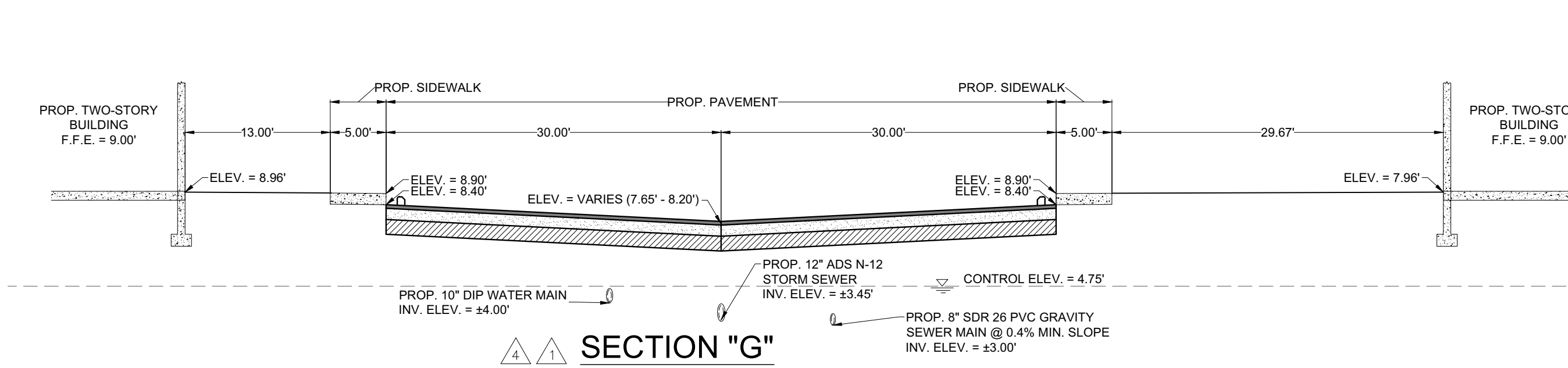
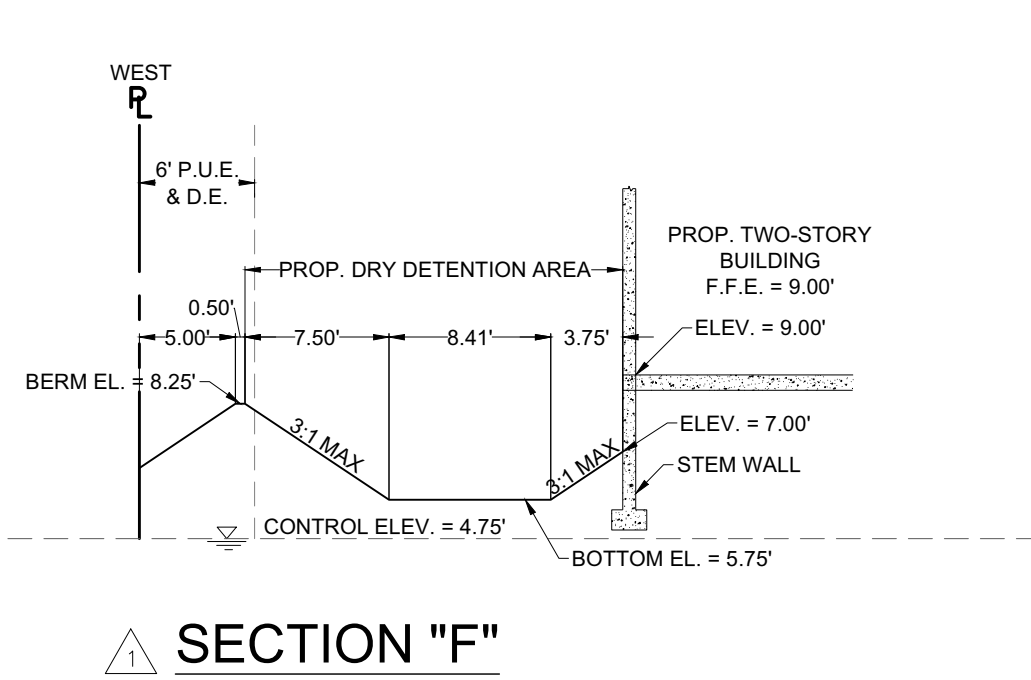
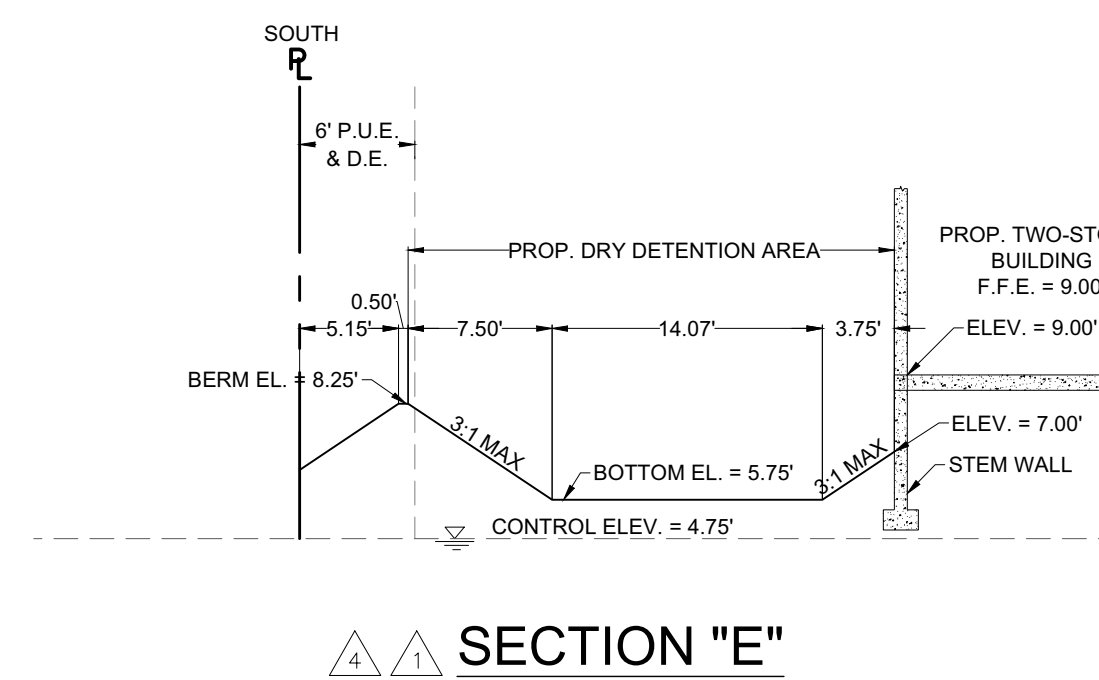
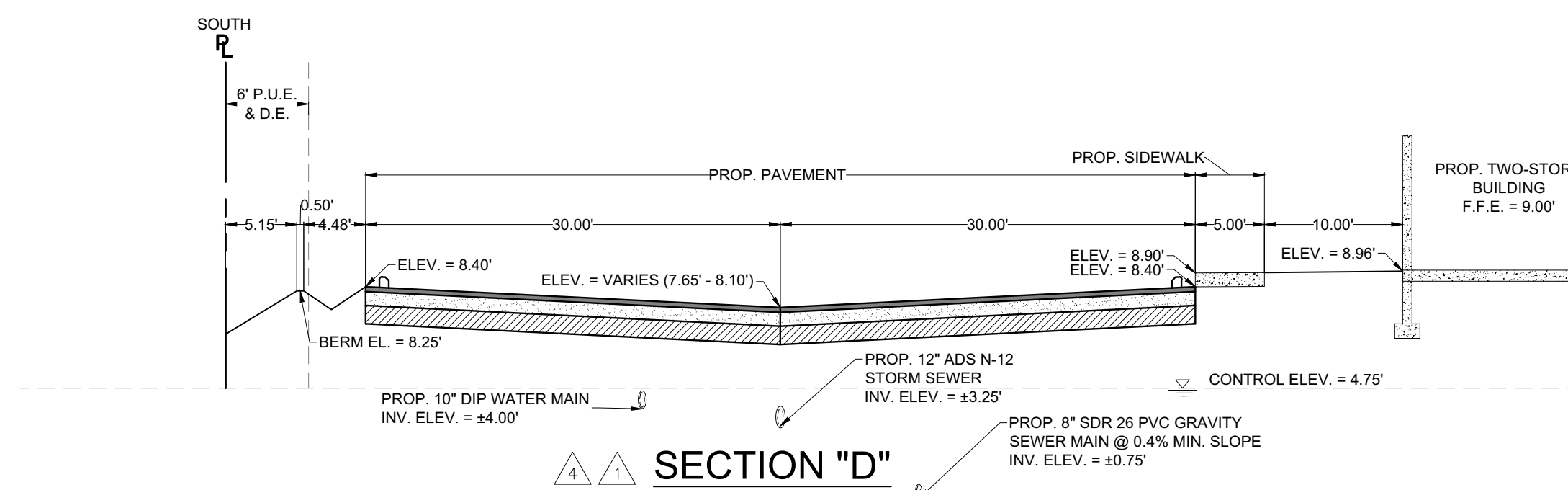
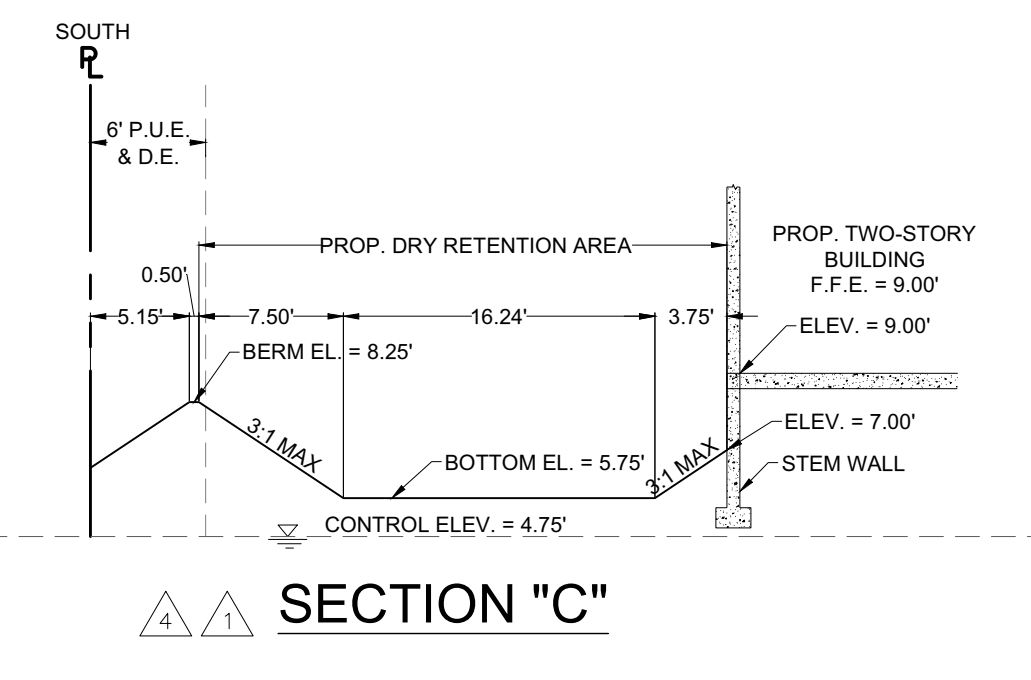
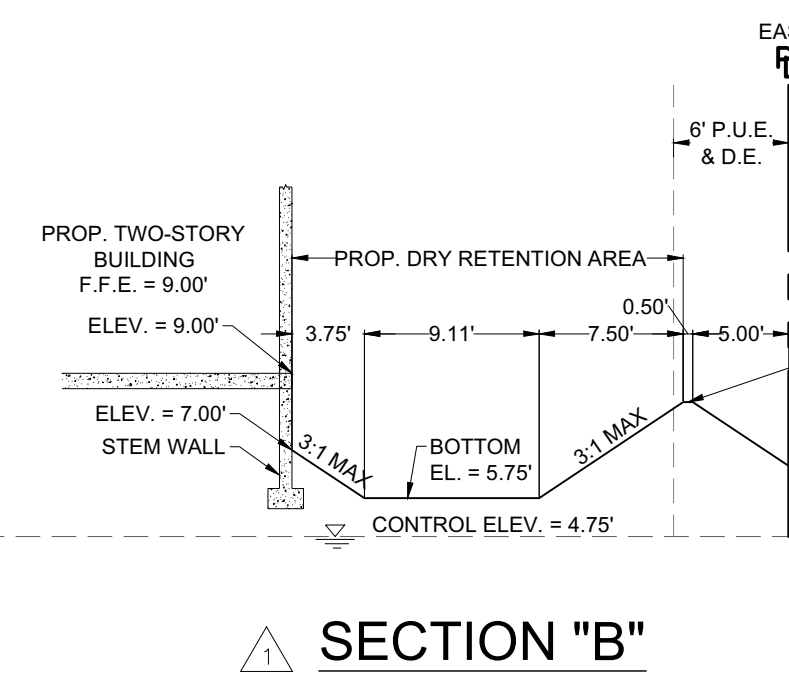
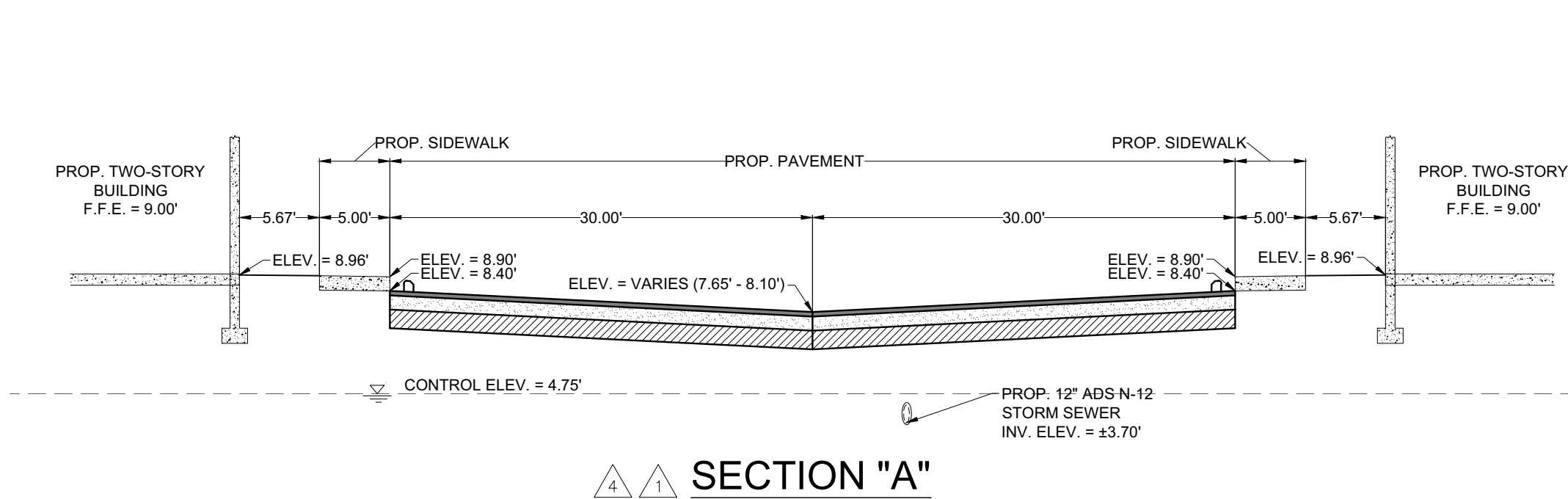
DATE: 06/03/21
BY: JCS
REVISION DESCRIPTION: LEE COUNTY 3RD INSUFFICIENCY LETTER MAY 19
06/03/21 JCS LEE COUNTY 3RD INSUFFICIENCY LETTER AUGUST 21
11/30/21 JCS SFWMD 1ST RAI NOVEMBER 21
02/14/22 JCS SFWMD 2ND RAI FEBRUARY 22
06/03/21 JCS LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER 21
05/04/22 JCS LEE COUNTY ADMINISTRATIVE DEVIATION RAI APRIL 22

KELLY ROAD 76 UNIT MULTI-FAMILY
11901 KELLY ROAD
FORT MYERS, FL 33908

GRADING, PAVING & DRAINAGE PLAN

SHEET 5 OF 19

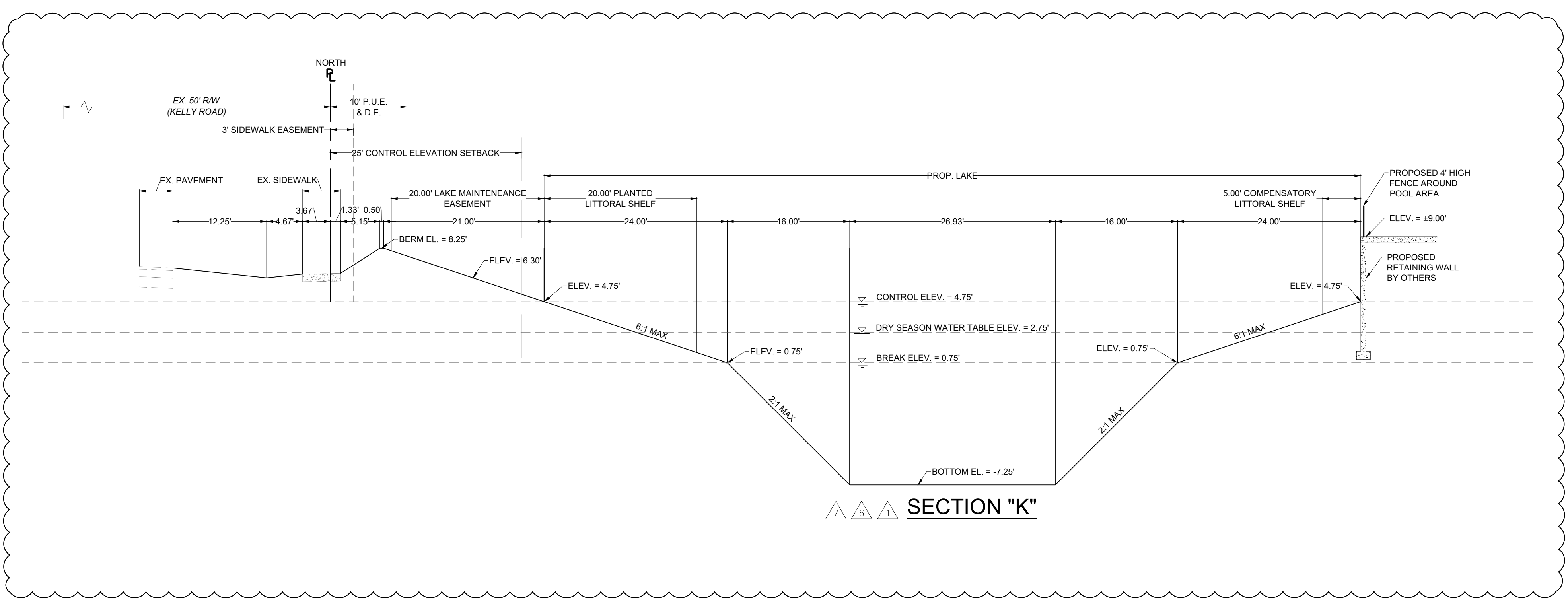
Scales: 1" = 10' (HORIZ.) (24"x36")
1" = 5' (VERT.) (24"x36")
1" = 20' (HORIZ.) (11"x17")
1" = 10' (VERT.) (11"x17")



SEE NEXT PAGE FOR CROSS SECTION K

DATE: 06/03/21	PROJECT: 21-108	CAD TECH: JCS	ENGINEER: PETER M. MAASTRICHT, P.E.	FL LICENSE NUMBER: 19860
MAASTRICHT ENGINEERING DEVELOPER: PETER M. MAASTRICHT, P.E. 2609 COLLINS AVE MIAMI BEACH, FL 33140				
DATE: 06/03/21	BY: JCS	REVISION DESCRIPTION: LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST 11-2021	KELLY ROAD 76 UNIT MULTI-FAMILY 11901 KELLY ROAD FORT MYERS, FL 33908	
DATE: 02-14-22	BY: JCS	REVISION DESCRIPTION: SWFWD 1ST RAI NOVEMBER 2021		
DATE: 08-09-21	BY: JCS	REVISION DESCRIPTION: LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER 2021		
DATE: 05-04-22	BY: JCS	REVISION DESCRIPTION: LEE COUNTY ADMINISTRATIVE DEVIATION RAI APRIL 2022		
CROSS SECTIONS		SHEET 6 OF 19		

Y:\CADD\2021\21-108\PILOT06 21-108 CROSS SECTIONS.dwg Friday, July 1, 2022 11:31:36 AM



SECTION "K"

Scales: 1" = 10' (HORIZ.) (24"x36")
1" = 5' (VERT.) (24"x36")
1" = 20' (HORIZ.) (11"x17")
1" = 10' (VERT.) (11"x17")

SHEET 6A OF 19	CROSS SECTIONS	KELLY ROAD 76 UNIT MULTI-FAMILY 11901 KELLY ROAD FORT MYERS, FL 33908	DATE 06-09-21 11-30-21 02-14-22 08-09-21 05-04-22	BY ACS ACS ACS ACS ACS	REVISION DESCRIPTION LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST SWRD 1ST RAI NOVEMBER SWRD 2ND RAI FEBRUARY LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER LEE COUNTY ADMINISTRATIVE DEVIATION RAI APRIL	DEVELOPER: PARADISE ESTATE INTERNATIONAL 2609 COLLINS AVE MIAMI BEACH FL FL 33140	MAASTRICHT ENGINEERING	DATE: 04/09/21	PROJ. #: 21-108	CAD TECH: ACS	ENGINEER: PETER M. MAASTRICHT, P.E. FL LICENSE NUMBER: 58680