

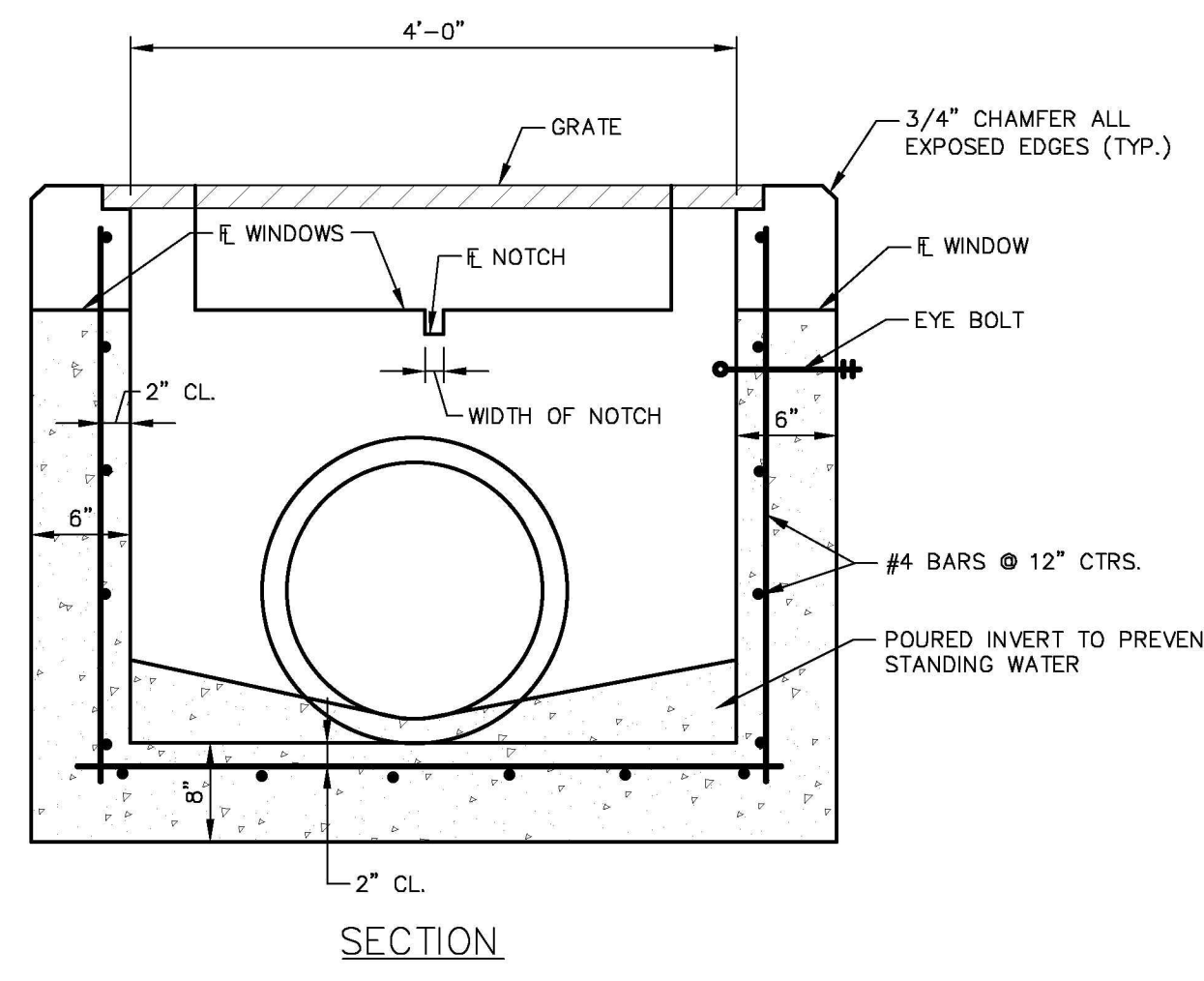
PLOTTED BY: B. Chackradar, Richard Sheet Set: Beachwalk - Phase 2 - LAYOUT-B-11 SMALL CONTROL STRUCTURE DETAIL August 06, 2021 07:45:28 AM
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CONTROL STRUCTURE NUMBER	TOP OF STRUCTURE / GRATE ELEV.	FLOWLINE WINDOW ELEV.	RECTANGULAR WEIR SIZE (SLOT) (WINDOWS)			NOTCH			PIPE SIZE / TYPE	OUTFALL PIPE INVERT	SKIMMER? (YES/NO)	BUBBLER? (YES/NO)	SHEET	PHASE	MODEL NAME
			1.00	2.50	3.00	9.00	0.50	0.50							
CS-46 (RECORD DATA)	11.70 / 10.00	10.00	1.00			1.00	9.00	0.50	1.00	30" RCP	NO	YES	B-4A	PHASE 1	DS-VOMB_46
CS-1 (RECORD DATA)	11.24 / 9.00	9.00	0.75			0.75				36" RCP	NO	YES	B-4A	PHASE 1	DS-VOMB_01
CS-12 (RECORD DATA)	12.10 / 11.00	11.00	3.00	2.50	2.50	8.00	9.00	0.50	0.50	30" RCP	NO	YES	B-4C	PHASE 1	DS-VOMB_12
CS-13 (RECORD DATA)	12.10 / 10.99	10.99	3.00	2.50	2.50	8.00	9.00	0.50	0.50	24" RCP	NO	YES	B-4C	PHASE 1	DS-VOMB_13
CS-19 (RECORD DATA)	12.50 / 10.80	10.80	4.00	2.00	2.00	8.00	10.00	0.50	0.50	30" RCP	NO	YES	B-4C	PHASE 1	DS-VOMB_19
CS-22A (RECORD DATA)	13.00 / 12.00	12.00	3.00			3.00				36" RCP	NO	NO	B-4E	MASS GRADING	DS-VOMB_22
CS-22B (RECORD DATA)	13.00 / 13.00	13.00	2.00			2.00	11.70	0.50	0.50	30" RCP	NO	YES	B-4F	MASS GRADING	DS-VOMB_23
CS-24 (RECORD DATA)	13.60 / 12.50	12.50	2.00			2.00	11.70	0.50	0.50	30" RCP	NO	YES	B-4F	MASS GRADING	DS-VOMB_24
CS-W25A (RECORD DATA)	11.50 / 10.49	10.49	3.00	1.00	1.00	5.00				30" RCP	NO	YES	B-4G	PHASE 1	DS-14242A
CS-W25B (RECORD DATA)	11.00 / 10.40	10.40	3.00	2.50	2.50	8.00				30" RCP	NO	YES	B-4G	PHASE 1	DS-14242A
CS-2 (RECORD DATA)	12.00 / 11.20	11.20	0.50			0.50				24" RCP	NO	YES	B-4G	PHASE 1	DS-VOMB_02
CS-11 (RECORD DATA)	12.00 / 11.24	11.24	3.00	1.00	1.00	5.00	9.50	0.50	0.50	36" RCP	NO	YES	B-4I	PHASE 1	DS-VOMB_11
CS-17 (RECORD DATA)	13.00 / 10.49	10.49	3.00	2.50	2.50	8.00	9.00	0.50	0.50	36" RCP	NO	YES	B-4J	PHASE 1	DS-VOMB_17
CS-21 (RECORD DATA)	14.30 / 11.49	11.49	1.00			1.00				36" RCP	NO	NO	B-4L	MASS GRADING	DS-VOMB_21
CS-26 (RECORD DATA)	15.40 / 13.25	13.25	1.50			1.50				36" RCP	NO	NO	B-4U	MASS GRADING	DS-VOMB_29
CS-4 (RECORD DATA)	13.70 / 11.50	11.50	1.50			1.50				36" RCP	NO	YES	B-4N	PHASE 1	DS-VOMB_04
CS-9 (RECORD DATA)	12.20 / 9.51	9.51	1.50			1.50				30" RCP	NO	NO	B-4Q	PHASE 1	DS-VOMB_09
CS-14 (RECORD DATA)	11.60 / 10.50	10.50	3.00	2.50	2.50	8.00	7.50	0.50	0.50	24" RCP	NO	YES	B-4R	PHASE 1	DS-VOMB_14
CS-18 (RECORD DATA)	13.10 / 12.00	12.00	3.00	1.00	1.00	5.00	11.00	0.50	0.50	30" RCP	NO	YES	B-4S	PHASE 1	VOMB_18
CS-27 (RECORD DATA)	15.20 / 13.00	13.00	0.50			0.50				24" RCP	NO	YES	B-4T	PHASE 2	VOMB_27
CS-W11B (RECORD DATA)	15.00 / 13.40	13.40	2.00			2.00				30" RCP	NO	YES	B-4T	PHASE 2	DS-14662
CS-28 (RECORD DATA)	14.91 / 13.36	13.36	1.00			1.00				36" RCP	NO	NO	B-4T	MASS GRADING	DS-VOMB_28
CS-28 (RECORD DATA)	15.40 / 13.04	13.04	1.00			1.00				36" RCP	NO	NO	B-4T	MASS GRADING	DS-VOMB_28
CS-29-2 (RECORD DATA)	14.60 / 13.00	13.00	3.00	2.50	2.50	8.00				30" RCP	NO	YES	B-4U	MASS GRADING	DS-14662
CS-30-2 (RECORD DATA)	16.40 / 13.60	13.60	3.00			3.00				36" RCP	NO	YES	B-4U	MASS GRADING	DS-VOMB_29-2
CS-39 (RECORD DATA)	15.50 / 13.25	13.25	2.50			2.50				36" RCP	NO	NO	B-4V	MASS GRADING	VOMB_30
CS-31 (RECORD DATA)	16.20 / 14.00	14.00	2.00			2.00	12.50	0.75	1.00	36" RCP	NO	YES	B-4V	MASS GRADING	VOMB_31
CS-6A (RECORD DATA)	11.15 / 10.30	10.30	3.00			3.00				30" RCP	YES	NO	B-4Y	PHASE 1	DS-VOMB_06
CS-SW1B (RECORD DATA)	11.16 / 10.33	10.33	3.00			3.00				30" RCP	NO	YES	B-4Y	PHASE 1	DS-14244202
CS-10 (RECORD DATA)	11.00 / 10.20	10.20	3.00	2.50	2.50	8.00	9.00	0.50	0.50	36" RCP	NO	YES	B-4AB	PHASE 1	DS-VOMB_10
CS-33 (RECORD DATA)	11.41 / 10.21	10.21	3.00	1.00	1.00	5.00	13.00	1.25	1.00	36" RCP	NO	YES	B-4AD	PHASE 2	DS-VOMB_33
CS-34 (RECORD DATA)	13.50 / 14.46	14.46	3.00			3.00				30" RCP	NO	YES	B-4AG	PHASE 1	DS-14244204
CS-5A (RECORD DATA)	10.38 / 9.71	9.71	2.00	1.00	1.00	4.00				36" RCP	YES	NO	B-4AG	PHASE 1	DS-VOMB_05
CS-5B (RECORD DATA)	11.11 / 10.42	10.42	3.50	3.50	3.00	13.00				36" RCP	NO	YES	B-4AG	PHASE 1	DS-14244204
CS-36B (RECORD DATA)	13.79 / 11.69	11.69	2.00			2.00				36" RCP	NO	YES	B-4AI	PHASE 2	DS-VOMB_36
CS-36A (RECORD DATA)	13.80 / 12.00	12.00	4.00			4.00	10.00	0.67	0.50	36" RCP	NO	YES	B-4AI	PHASE 2	DS-VOMB_36-2
CS-37 (RECORD DATA)	15.40 / 13.00	13.00	1.00			1.00				36" RCP	NO	NO	B-4AJ	PHASE 2	DS-VOMB_37
CS-W9A (RECORD DATA)	15.33 / 14.00	14.00	1.00			1.00				36" RCP	NO	YES	B-4AJ	PHASE 2	DS-14606A
CS-W9B (RECORD DATA)	15.40 / 14.00	14.00	4.00	2.00	2.00	8.00				36" RCP	NO	YES	B-4AJ	PHASE 2	DS-14606A
CS-34 (RECORD DATA)	16.00 / 14.00	14.00	2.00			2.00				36" RCP	NO	YES	B-4AK	MASS GRADING	DS-VOMB_34
CS-38 (RECORD DATA)	15.70 / 13.50	13.50	1.00			1.00				36" RCP	NO	NO	B-4AK	MASS GRADING	DS-VOMB_34-2
CS-39 (RECORD DATA)	15.60 / 13.00	13.00	1.00			1.00				36" RCP	NO	NO	B-4AK	MASS GRADING	DS-VOMB_38
CS-35 (RECORD DATA)	15.60 / 15.00	15.00	4.00			4.00	13.50	2.50	1.50	36" RCP	NO	YES	B-4AL	MASS GRADING	DS-VOMB_35
CS-42A (RECORD DATA)	14.40 / 12.50	12.50	1.50			1.50				36" RCP	NO	YES	B-4AN	PHASE 2	DS-VOMB_42
CS-42B (RECORD DATA)	14.40 / 11.00	11.00	1.50			1.50				36" RCP	NO	NO	B-4AN	PHASE 2	DS-VOMB_42-2
CS-43B (RECORD DATA)	15.00 / 12.70	12.70	1.25	WINDOWS PLUGGED		1.25				36" RCP	NO	NO	B-4AO	PHASE 2	DS-VOMB_43
CS-43A (RECORD DATA)	15.10 / 12.70	12.70	1.25	WINDOWS PLUGGED		1.25				36" RCP	NO	NO	B-4AO	PHASE 2	DS-VOMB_43-2
CS-44 (RECORD DATA)	15.10 / 14.00	14.00	4.00	0.50	0.50	6.00	12.50	1.00	0.75	36" RCP	NO	YES	B-4AP	MASS GRADING	DS-VOMB_44
CS-46 (RECORD DATA)	14.70 / 12.80	12.80	0.67			0.67				36" RCP	NO	YES	B-4AS	PHASE 2	DS-VOMB_45
CS-W18A (RECORD DATA)	11.81 / 11.14	11.14	3.00	2.50	2.50	8.00				36" RCP	NO	YES	B-4N	PHASE 1	DS-14302A
CS-W18B (RECORD DATA)	11.52 / 11.05	11.05	3.00	2.50	2.50	8.00				36" RCP	NO	YES	B-4N	PHASE 1	DS-14302A

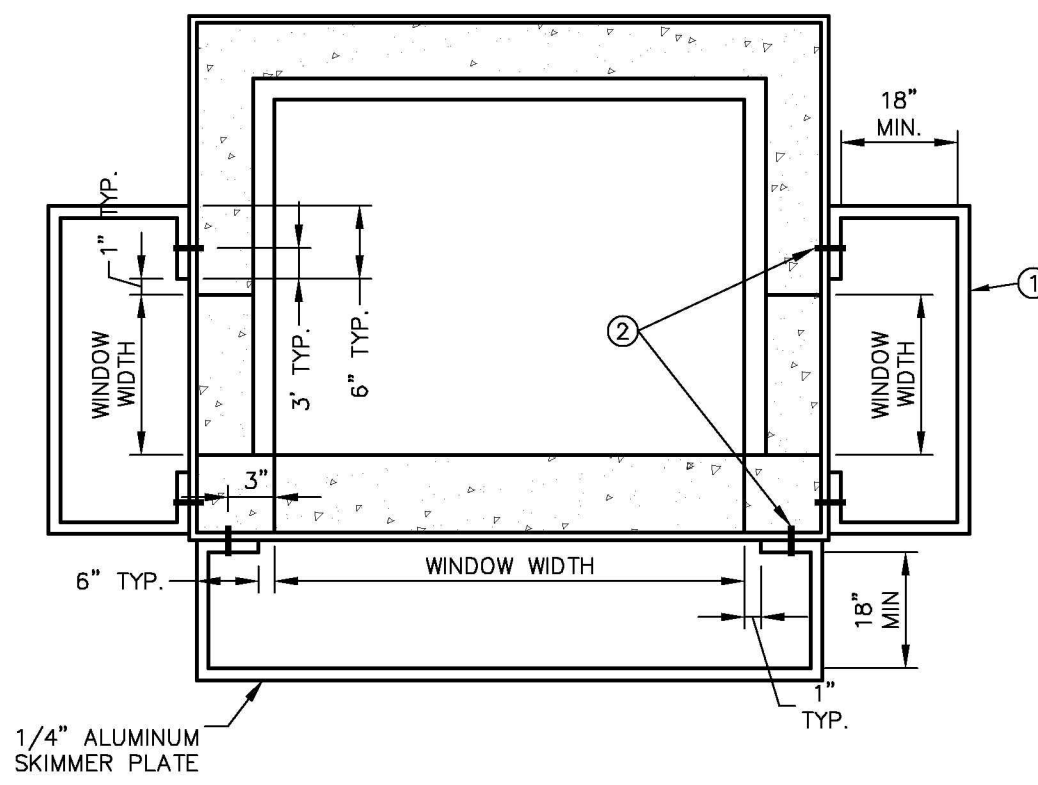
- NOTES:
- ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. @ 28 DAYS
 - ALL STEEL TO HAVE A MINIMUM 2" CLEARANCE UNLESS OTHERWISE NOTED.
 - STEEL REINFORCEMENT SHALL MEET ASTM SPECIFICATIONS (A-615), DEFORMED BARS.
 - ALL INLETS TO HAVE FIELD POURED INVERTS TO ELIMINATE STANDING WATER.
 - 3/4" CHAMFER ALL EXPOSED EDGES.
 - ALL EXPOSED STEEL AND IRON SHALL HAVE ONE SHOP COAT RUST INHIBITOR AND ONE FIELD COAT OF KOPPERS 300 BITUMASTIC EPOXY BASED PAINT, 8 MILS D.F.T.

SMALL CONTROL STRUCTURE FDOT TYPE D INLET INDEX 425-052

N.T.S.



- 1/4" THICK ALUMINUM FABRICATED SKIMMER PLATE WITH OPEN TOP AND BOTTOM.
- 3/8" DIAMETER STAINLESS STEEL EXPANSION ANCHORS, 3" LONG (MIN.) WITH STAINLESS STEEL WASHERS AND NUTS @9" MAXIMUM. TWO MIN. REQUIRED EACH SIDE OF SKIMMER.
- 3/16" THICK NEOPRENE GASKET BETWEEN SKIMMER AND CONCRETE.



RECORD DRAWING LEGEND

- INDICATES "RECORD" ITEM NUMBER
- INDICATES "RECORD" ITEM DESCRIPTION
- PROPOSED DESIGN ELEVATION OR DIMENSION LINED THROUGH "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- INDICATES RECORD ELEVATION
- INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.

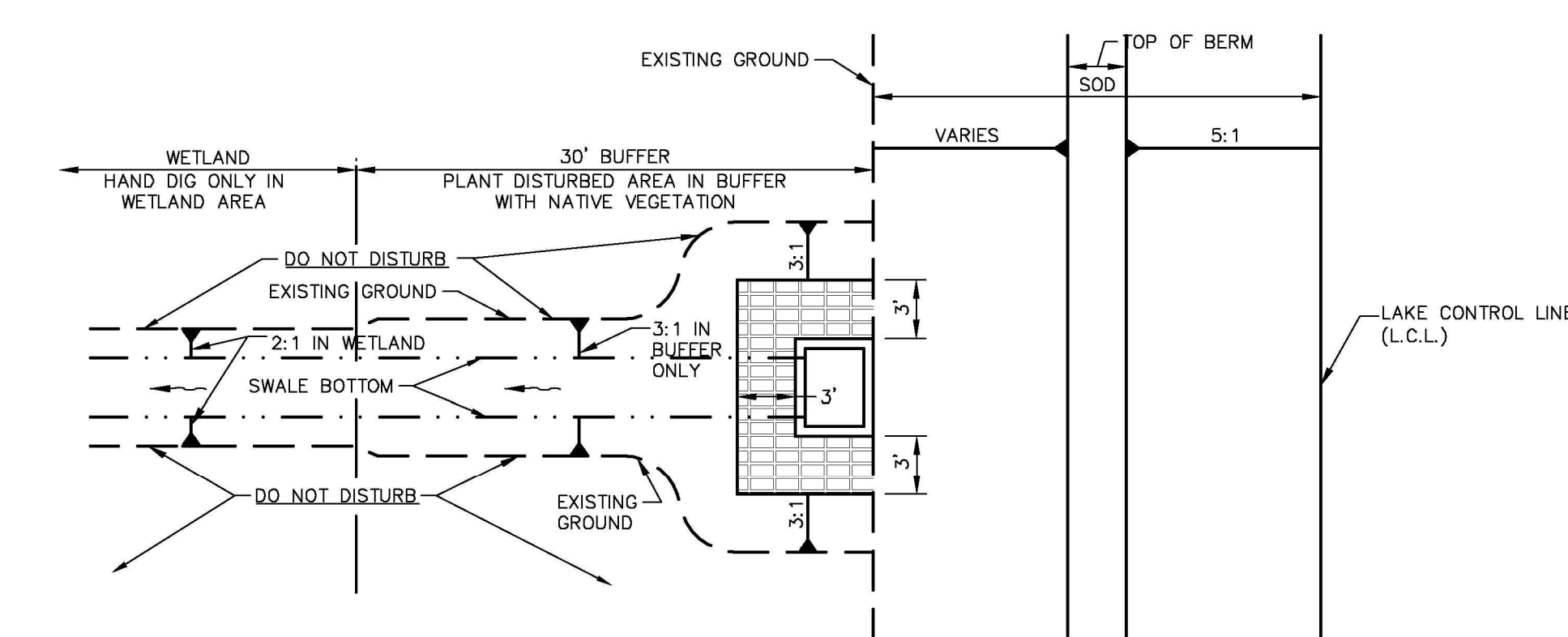
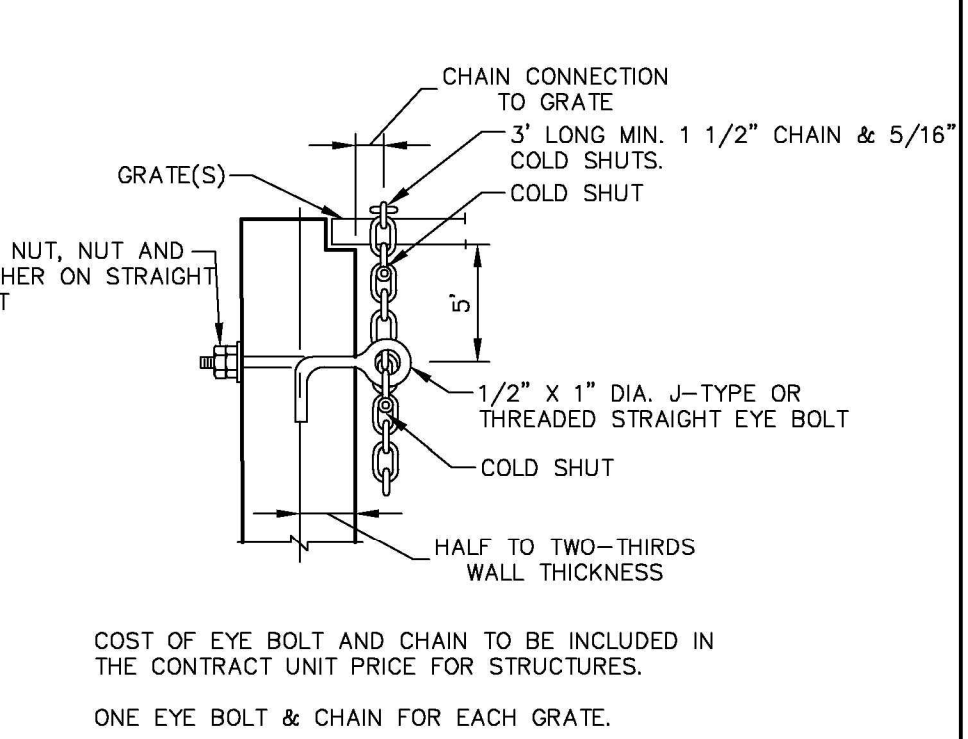
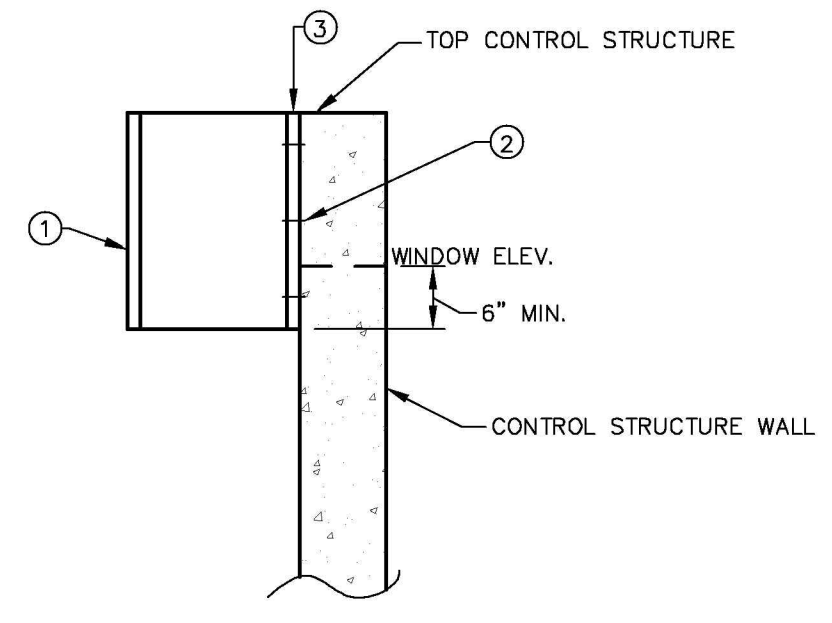
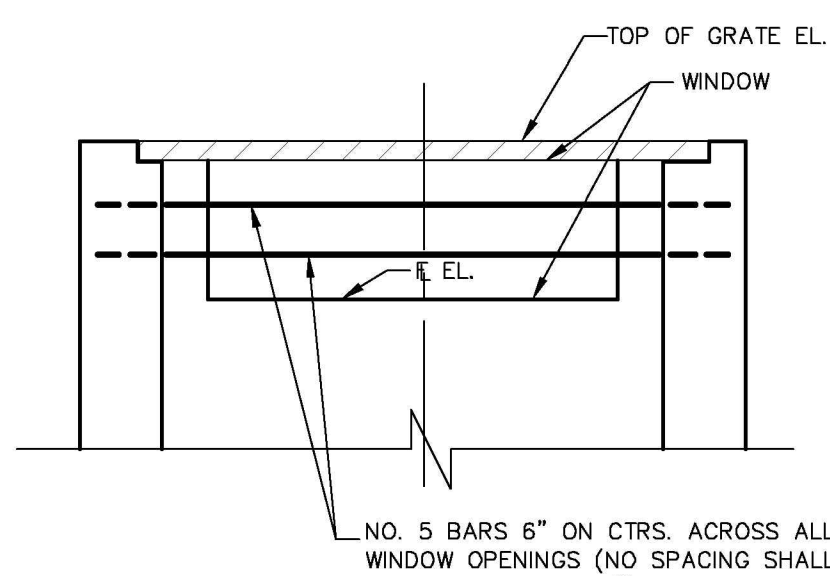
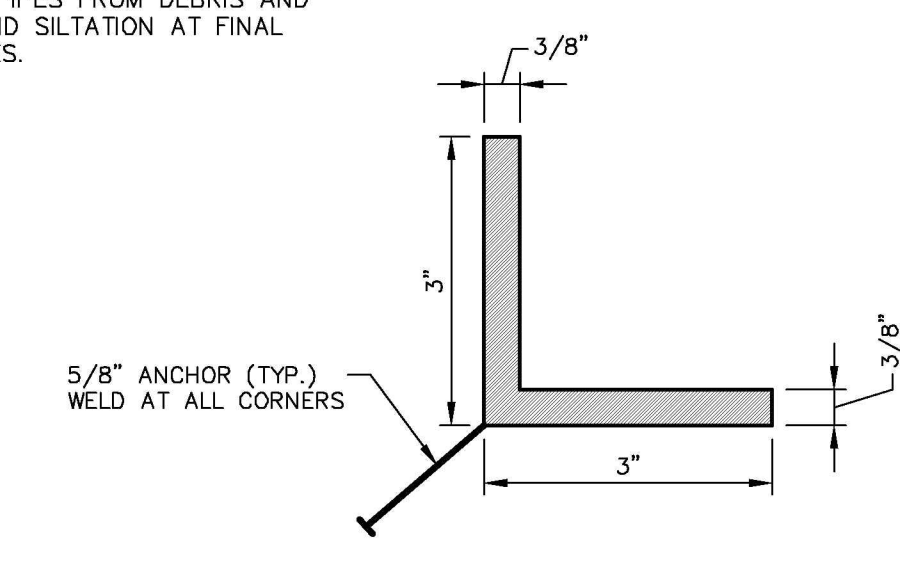
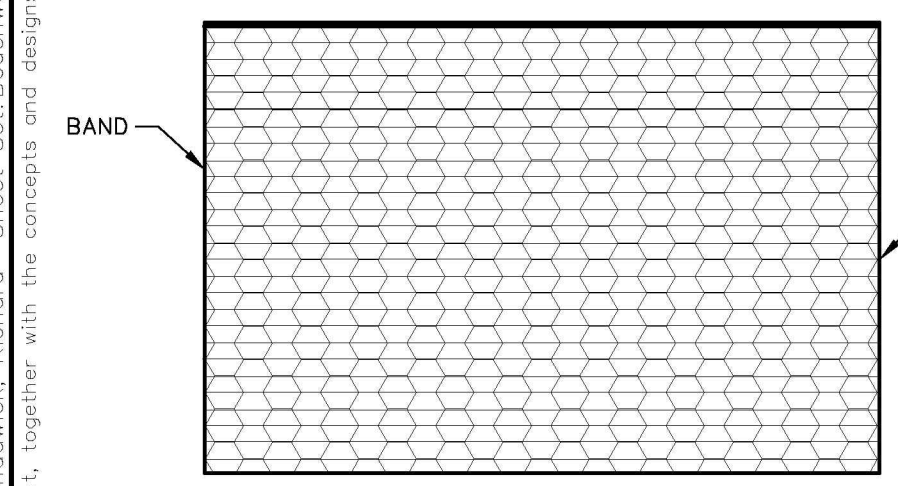
RECORD DRAWING SURVEYORS CERTIFICATION

I HEREBY CERTIFY THAT THE RECORD DRAWING OF THE UTILITIES AND STREET AND DRAINAGE SHOWN, SUPERIMPOSED UPON THE DESIGN CONSTRUCTION PLANS, IS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN.

DATE OF LAST FIELD SURVEY: 9/27/2024

JUSTIN O. BRANTLEY, P.S.M.
FLORIDA CERTIFICATE NO. LS6837

** ALL BUBBLER BOXES SHALL HAVE AN INSIDE BOTTOM ELEVATION 18" BELOW PIPE INVERT. THE CONTRACTOR IS REQUIRED TO PROTECT THESE SUMPS AND PIPES FROM DEBRIS AND SILTATION. ALL PIPES AND SUMPS SHALL BE FREE OF DEBRIS AND SILTATION AT FINAL PROJECT ACCEPTANCE. DO NOT POUR INVERTS IN BUBBLER BOXES.



NOTE: CONSTRUCTION IN WETLANDS SHOULD BE ACCESSED FROM THE UPLAND SIDE. ANY TEMPORARY IMPACT AREAS IN THE WETLAND SHOULD BE REGRADED AND RESTORED TO THEIR NATURAL CONDITION. CONSTRUCTION LIMITS IN WETLAND SHOULD NOT EXTEND MORE THAN 10 FEET FROM THE EDGE OF THE STRUCTURE UNLESS WETLAND SWALE IS REQUIRED.

PLANS FOR BIDDING

Kimley-Horn

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 PHONE: 941-379-7800
 WWW.KIMLEY-HORN.COM CA 0000698

LICENSED PROFESSIONAL: WILLIAM E. CONERY, P.E.
 DATE: AUGUST 2021
 SCALE: AS SHOWN
 DESIGNED BY: AJP
 DRAWN BY: RKK
 CHECKED BY: WEC
 DATE: AUGUST 2021

SMALL CONTROL STRUCTURE DETAIL

BEACHWALK BY MANASOTA KEY, PHASE 2 PREPARED FOR PULTEGROUP, INC.

KHA PROJECT: 048215053
 DATE: AUGUST 2021
 SCALE: AS SHOWN
 DESIGNED BY: AJP
 DRAWN BY: RKK
 CHECKED BY: WEC
 DATE: AUGUST 2021

SHEET NUMBER: B-11
 FLORIDA: SARASOTA COUNTY