

OSCEOLA COUNTY, FLORIDA
March 22, 2019

MAITLAND, FLORIDA 32751

	ATTACHED SINGLE FAMILY TOWNHOME UNITS	CLUB HOUSE
MINIMUM LOT WIDTH	20 FEET	N/A
MINIMUM ROAD FRONTAGE	15 FEET	N/A
MINIMUM LOT AREA	2000 S.F.	N/A
MINIMUM AIR CONDITIONED LIVING AREA	800 S.F.	N/A
MAXIMUM BUILDING HEIGHT	2 STORY / 40 FEET	2 STORY / 40 FEET
MAXIMUM LOT COVERAGE	100%	N/A
MAXIMUM BUILDING SETBACK FROM PRD PERIMETER	25 FEET	25 FEET
MINIMUM FRONT YARD SETBACK FOR A/C PORTION OF BUILDING	0 FEET	0 FEET
MINIMUM FRONT YARD SETBACK FOR PORCHES OR BAYS	0 FEET	0 FEET
MINIMUM FRONT YARD SETBACK FOR FRONT ENTRY GARAGE	20 FEET	N/A
MINIMUM SIDE CORNER SETBACK FOR BUILDINGS, POOLS, PATIOS, DECKS, OR ANCILLARY STRUCTURES	0 FEET	0 FEET
MINIMUM REAR YARD SETBACK FOR BUILDINGS	0 FEET	0 FEET
MINIMUM REAR YARD SETBACK FOR ANCILLARY STRUCTURES	0 FEET	0 FEET
MINIMUM REAR YARD SETBACK FOR OPEN OR SOFT COVERED POOLS, PATIOS OR DECKS	0 FEET	0 FEET
MINIMUM DISTANCE BETWEEN BUILDINGS	15 FEET	15 FEET
MINIMUM DISTANCE BETWEEN INTERNAL ROAD RIGHTS OF WAY AND BUILDINGS, POOLS, DECKS, PATIOS AND ANCILLARY STRUCTURES	10 FEET	10 FEET
MINIMUM DISTANCE BETWEEN HAM BROWN ROAD AND BUILDINGS	50 FEET	50 FEET

	QUANTITY
TOTAL LENGTH OF 10" DR-11 HDPE SANITARY SEWER	17 L.F.
TOTAL LENGTH OF 8" PVC SANITARY SEWER	1676 L.F.
TOTAL LENGTH OF 6" PVC SANITARY SEWER	1219 L.F.
TOTAL SANITARY MANHOLES	9
TOTAL 4" PVC C-900 FORCE MAIN	740 L.F.
TOTAL LENGTH OF 8" PVC C-900 WATER MAIN	1862 L.F.
TOTAL LENGTH OF 8" DIP WATER MAIN	34 L.F.
TOTAL LENGTH OF 6" PVC REUSE MAIN	1919 L.F.

1. THE FOLLOWING PROPOSED FACILITIES SHOWN ON THE DEVELOPMENT PLANS ARE FOR REFERENCE PURPOSES ONLY AND EACH SHALL REQUIRE A SEPARATE BUILDING PERMIT. THE LIST INCLUDES, BUT IS NOT LIMITED TO: ANY PROPOSED BUILDINGS, SANITARY LIFT STATIONS, LIGHT FIXTURES (POLES) THAT ARE INDEPENDENT FROM ANY BUILDING STRUCTURE, FENCES, GATES, MONUMENT SIGNS, DUMPSTER ENCLOSURES, AND DECORATIVE / RETAINING WALLS.



Sunshine811.com

SHEET INDEX

KISSIMMEE

INTERCESSION CITY

OLD TAMPA HWY.

S. ORANGE BLOSSOM TRAIL

POINCIANA BLVD.

PROJECT LOCATION

HAM BROWN RD.

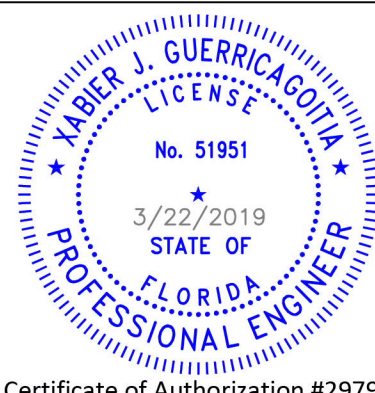
PLEASANT HILL RD.

LAKE TOHOPEKALIGA

SHEET NUMBER	SHEET TITLE
1.00	COVER
.	SURVEY
1.01	GENERAL NOTES
1.02	TOHO WATER AUTHORITY NOTES
2.00	DEMOLITION & EROSION CONTROL PLAN
2.01	SOILS MAP & AERIAL
3.00	SITE PLAN
4.00	GEOMETRY PLAN
4.01	PARCEL LINE & CURVE TABLE
5.00	PAVING GRADING & DRAINAGE WEST
5.01	PAVING GRADING & DRAINAGE EAST
6.00	MASTER UTILITY PLAN
6.01	SANITARY SEWER & REUSE WATER PLAN
6.02	POTABLE WATER PLAN
7.00	OFFSITE IMPROVEMENTS
8.00	STREET 'A' PLAN & PROFILE
8.01	STREET 'B' 'C' & 'D' PLAN & PROFILE
9.00	SECTIONS & LOT DETAILS
9.01	EROSION CONTROL DTLS
9.02	FDOT DRAINAGE DETAILS
9.03	FDOT DRAINAGE DETAILS
9.04	FDOT DRAINAGE DETAILS
9.05	FDOT DRAINAGE & MISC. DETAILS
9.06	TOHO WATER AUTHORITY DETAILS
9.07	TOHO WATER AUTHORITY DETAILS
9.08	TOHO WATER AUTHORITY DETAILS
10.00	LIFT STATION DETAILS
10.01	LIFT STATION DETAILS
10.02	LIFT STATION DETAILS
10.03	LIFT STATION DETAILS

[illegible]

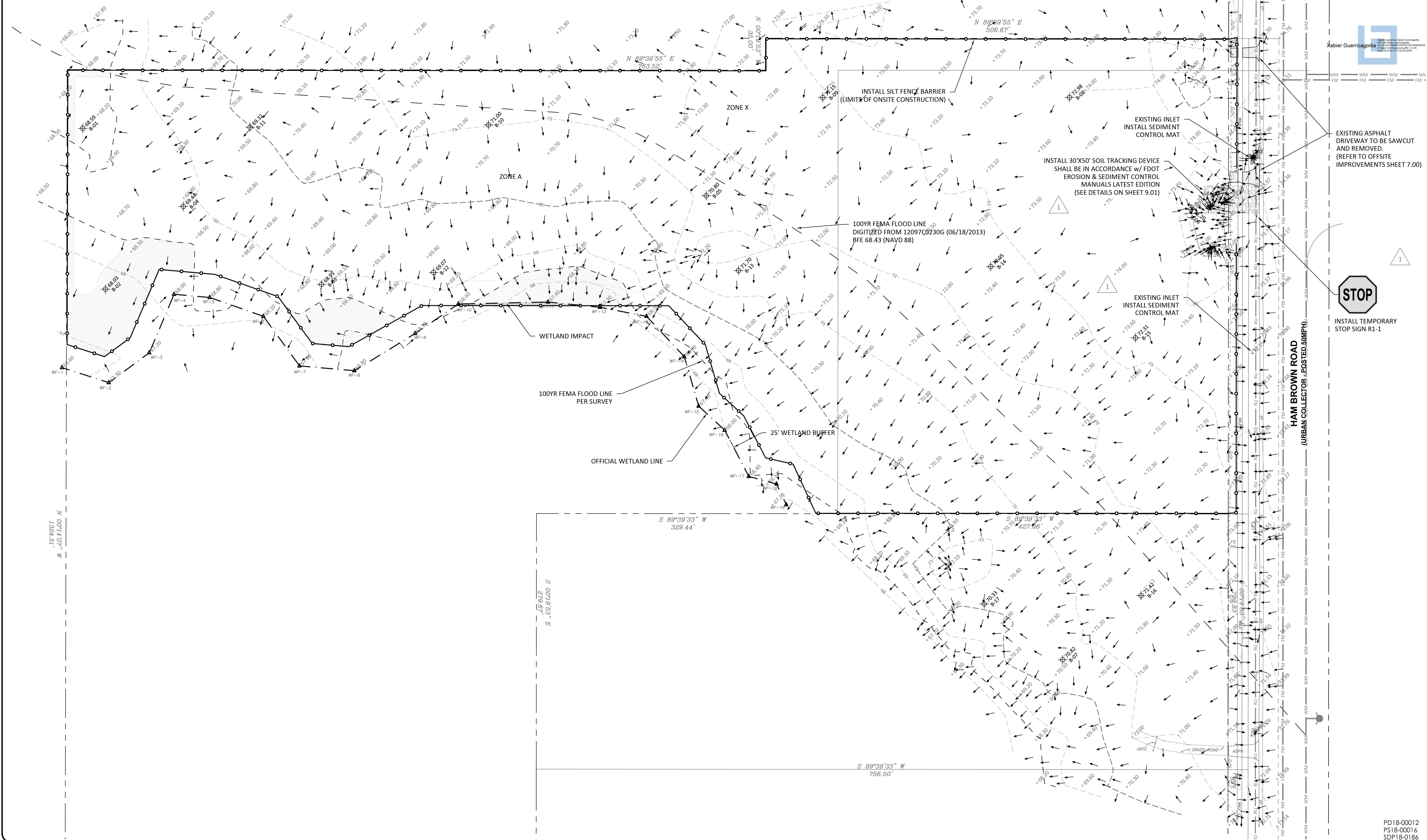
1110.000



Certificate of Authorization #29791

1.00

PD18-00012
PS18-00016
SDP18-0186

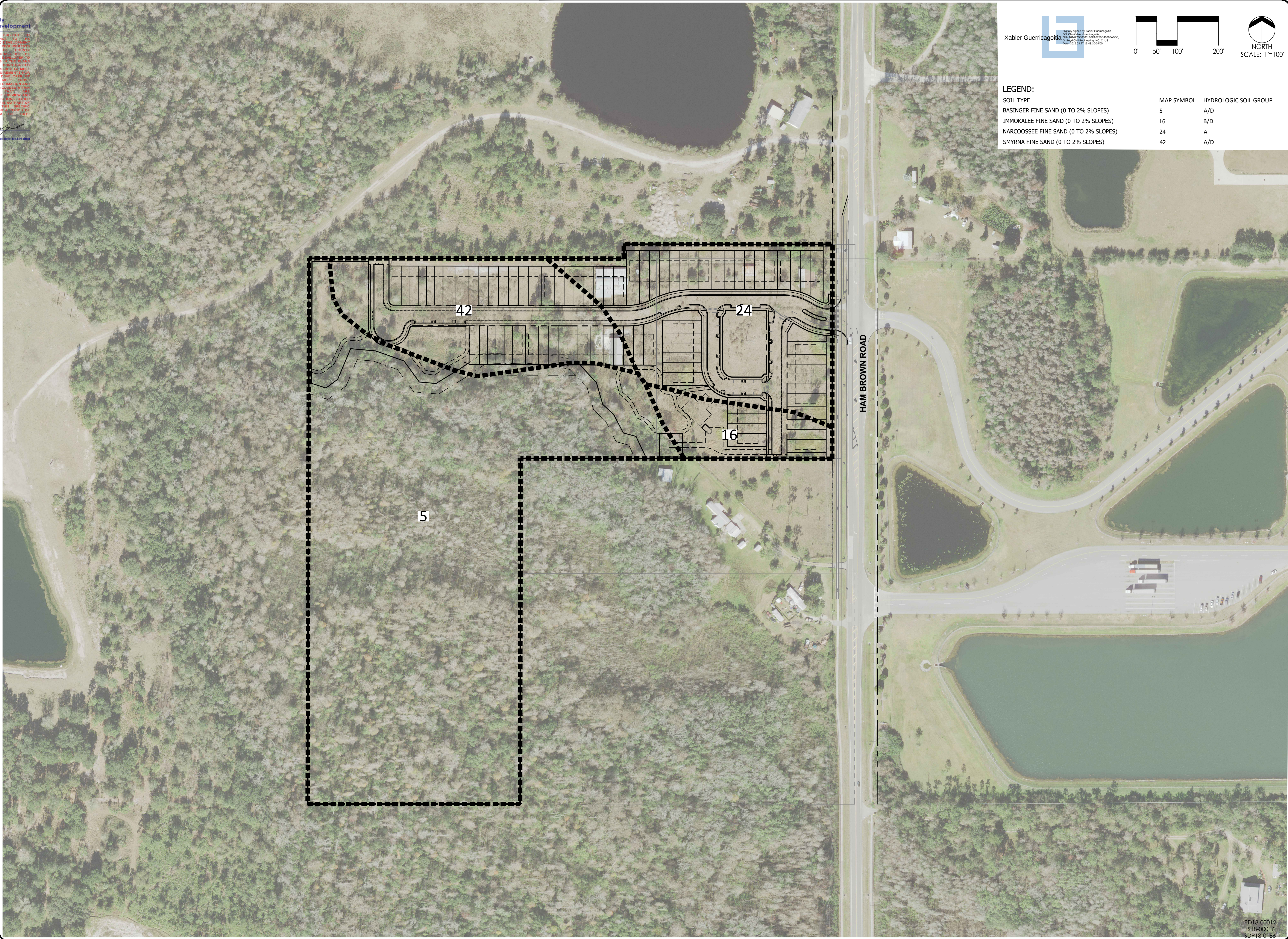


SDP18-0186
04/15/2019



THIS APPROVAL IS SUBJECT TO THE SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE BOARD OF COUNTY COMMISSIONERS SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE INFORMATION ON THE FACILITY AS SUBMITTED, WHICH RESULT IN ANY VIOLATION OF ANY APPLICABLE CODE REQUIREMENT. THIS DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET ALL OTHER REQUIREMENTS AND ANY OTHER DETAILS THAT MAY BE REQUIRED WITHIN THESE DRAWINGS. THIS APPROVAL IS CONSIDERED UNDER THE SUPERVISORY AUTHORITY OF JUDITH A. BOYD, COUNTY ENGINEER. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

[Signature]
NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT



Xavier Guerricagotia
Soils Engineer
Professional Engineer No. 31951
State of Florida
Exp. 03/31/2021

0' 50' 100' 200'

NORTH
SCALE: 1"=100'

LEGEND:

SOIL TYPE	MAP SYMBOL	HYDROLOGIC SOIL GROUP
BASINGER FINE SAND (0 TO 2% SLOPES)	5	A/D
IMMOKALEE FINE SAND (0 TO 2% SLOPES)	16	B/D
NARCOOSSEE FINE SAND (0 TO 2% SLOPES)	24	A
SMYRNA FINE SAND (0 TO 2% SLOPES)	42	A/D

BOYD CIVIL
ENGINEERING
6816 Hanging Moss Road
Orlando, Florida 32807
Office: (407) 994-2693
Certificate of Auth. 29791

Civil Engineer
XAVIER GUERRICAGOTIA, P.E.
No. 31951
STATE OF FLORIDA
3/22/2019
PROFESSIONAL ENGINEER

Rev.	Date	Description	Chk By

ALEXANDER PARK
OSCEOLA COUNTY, FLORIDA
PREPARED FOR: BELAVISTA DEVELOPMENT GROUP, LLC

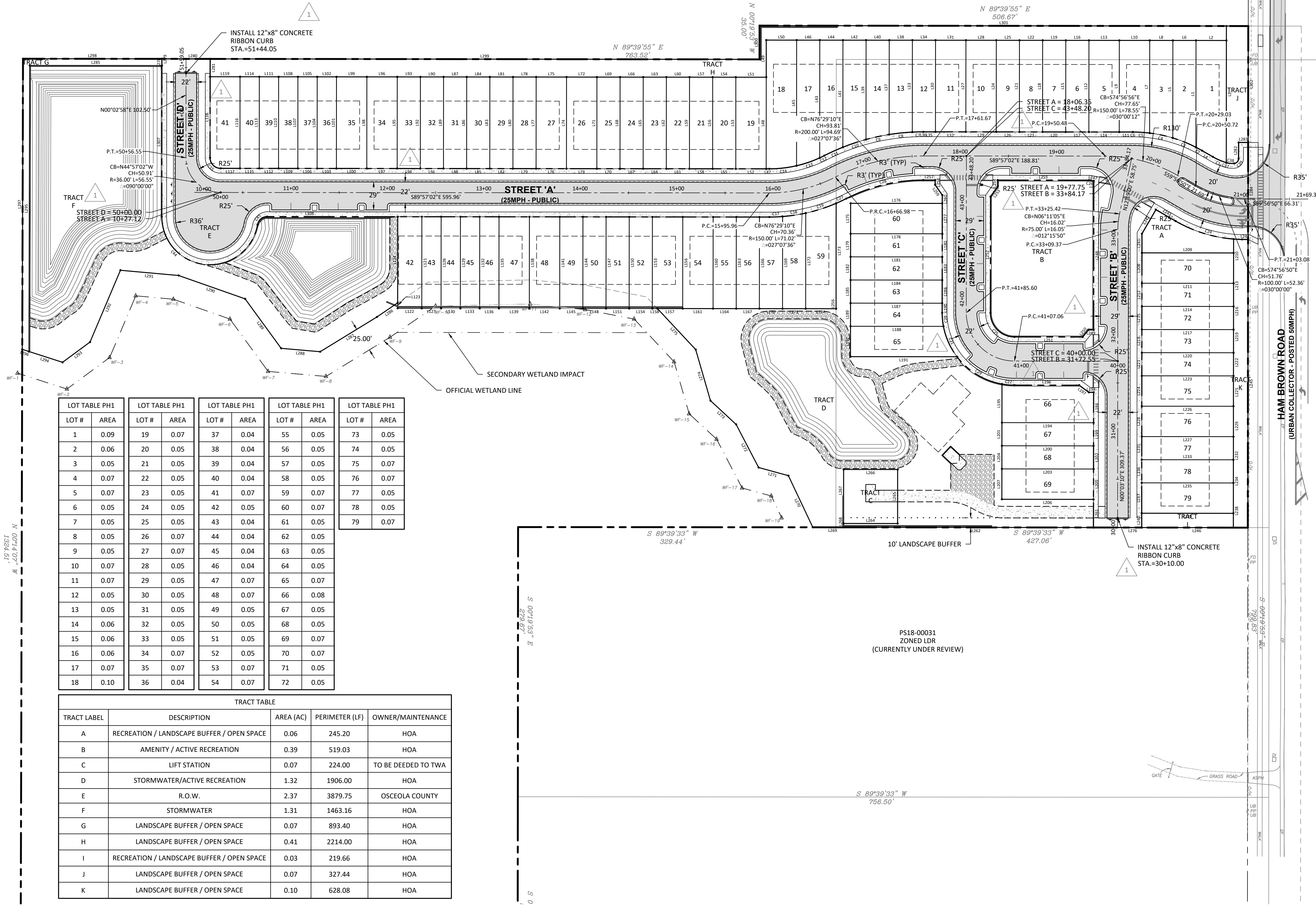
SOILS MAP & AERIAL

Date: 3/22/2019
Scale: AS SHOWN
Project No.: 1110.000
Drawn By: RAP
Designed By: RAP
Checked By: XJG

SHEET NO.
2.01

THIS APPROVAL IS SUBJECT TO THE SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS THAT ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JURISDICTIONS OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

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LOT TABLE PH1		LOT TABLE PH1		LOT TABLE PH1		LOT TABLE PH1		LOT TABLE PH1	
LOT #	AREA	LOT #	AREA	LOT #	AREA	LOT #	AREA	LOT #	AREA
1	0.09	19	0.07	37	0.04	55	0.05	73	0.05
2	0.06	20	0.05	38	0.04	56	0.05	74	0.05
3	0.05	21	0.05	39	0.04	57	0.05	75	0.07
4	0.07	22	0.05	40	0.04	58	0.05	76	0.07
5	0.07	23	0.05	41	0.07	59	0.07	77	0.05
6	0.05	24	0.05	42	0.05	60	0.07	78	0.05
7	0.05	25	0.05	43	0.04	61	0.05	79	0.07
8	0.05	26	0.07	44	0.04	62	0.05		
9	0.05	27	0.07	45	0.04	63	0.05		
10	0.07	28	0.05	46	0.04	64	0.05		
11	0.07	29	0.05	47	0.07	65	0.07		
12	0.05	30	0.05	48	0.07	66	0.08		
13	0.05	31	0.05	49	0.05	67	0.05		
14	0.06	32	0.05	50	0.05	68	0.05		
15	0.06	33	0.05	51	0.05	69	0.07		
16	0.06	34	0.07	52	0.05	70	0.07		
17	0.07	35	0.07	53	0.07	71	0.05		
18	0.10	36	0.04	54	0.07	72	0.05		

TRACT TABLE				
TRACT LABEL	DESCRIPTION	AREA (AC)	PERIMETER (LF)	OWNER/MAINTENANCE
A	RECREATION / LANDSCAPE BUFFER / OPEN SPACE	0.06	245.20	HOA
B	AMENITY / ACTIVE RECREATION	0.39	519.03	HOA
C	LIFT STATION	0.07	224.00	TO BE DEEDED TO TWA
D	STORMWATER/ACTIVE RECREATION	1.32	1906.00	HOA
E	R.O.W.	2.37	3879.75	OSCEOLA COUNTY
F	STORMWATER	1.31	1463.16	HOA
G	LANDSCAPE BUFFER / OPEN SPACE	0.07	893.40	HOA
H	LANDSCAPE BUFFER / OPEN SPACE	0.41	2214.00	HOA
I	RECREATION / LANDSCAPE BUFFER / OPEN SPACE	0.03	219.66	HOA
J	LANDSCAPE BUFFER / OPEN SPACE	0.07	327.44	HOA
K	LANDSCAPE BUFFER / OPEN SPACE	0.10	628.08	HOA

Rev.	Date	Description	Chk By
1	03/22/19	PER COUNTY COMMENTS	XJG
2	03/04/19	PER COUNTY COMMENTS	XJG
3	02/09/19	PER COUNTY COMMENTS	XJG



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[Signature]
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PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L1	110.74'	N0°02'58"E
L2	31.50'	S89°57'02"E
L3	126.65'	S0°02'58"W
L4	12.67'	N59°56'50"W
L5	101.10'	N0°02'58"E
L6	24.00'	S89°57'02"E
L7	96.06'	N0°02'58"E
L8	24.00'	S89°57'02"E
L9	95.00'	N0°02'58"E
L10	31.50'	S89°57'02"E
L11	14.04'	N89°57'02"W
L12	95.00'	N0°02'58"E
L13	31.50'	S89°57'02"E
L14	31.50'	N89°57'02"W
L15	95.00'	N0°02'58"E
L16	24.00'	S89°57'02"E
L17	24.00'	N89°57'02"W
L18	95.00'	N0°02'58"E
L19	24.00'	S89°57'02"E
L20	24.00'	N89°57'02"W
L21	95.00'	N0°02'58"E
L22	24.00'	S89°57'02"E
L23	24.00'	N89°57'02"W
L24	95.00'	N0°02'58"E
L25	24.00'	S89°57'02"E
L26	24.00'	N89°57'02"W
L27	95.00'	N0°02'58"E
L28	31.50'	S89°57'02"E
L29	31.50'	N89°57'02"W
L30	95.00'	N0°02'58"E
L31	31.50'	S89°57'02"E
L32	31.50'	N89°57'02"W
L33	95.29'	N0°02'58"E
L34	24.00'	S89°57'02"E
L35	12.58'	N89°57'02"W
L36	0.00'	N89°57'02"W
L37	97.81'	N0°02'58"E
L38	24.00'	S89°57'02"E
L39	102.99'	N0°02'58"E
L40	24.00'	S89°57'02"E

PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L41	111.04'	N0°02'58"E
L42	24.00'	S89°57'02"E
L43	122.10'	N0°02'58"E
L44	24.00'	S89°57'02"E
L45	130.29'	N0°02'58"E
L46	24.00'	S89°57'02"E
L47	3.34'	N89°57'02"W
L48	95.00'	N0°02'58"E
L49	38.50'	N0°02'58"E
L50	31.50'	S89°57'02"E
L51	31.50'	S89°57'02"E
L52	31.50'	N89°57'02"W
L53	95.00'	N0°02'58"E
L54	24.00'	S89°57'02"E
L55	24.00'	N89°57'02"W
L56	95.00'	N0°02'58"E
L57	24.00'	S89°57'02"E
L58	24.00'	N89°57'02"W
L59	95.00'	N0°02'58"E
L60	24.00'	S89°57'02"E
L61	24.00'	N89°57'02"W
L62	95.00'	N0°02'58"E
L63	24.00'	S89°57'02"E
L64	24.00'	N89°57'02"W
L65	95.00'	N0°02'58"E
L66	24.00'	S89°57'02"E
L67	24.00'	N89°57'02"W
L68	95.00'	N0°02'58"E
L69	24.00'	S89°57'02"E
L70	24.00'	N89°57'02"W
L71	95.00'	N0°02'58"E
L72	31.50'	S89°57'02"E
L73	31.50'	N89°57'02"W
L74	95.00'	N0°02'58"E
L75	31.50'	S89°57'02"E
L76	31.50'	N89°57'02"W
L77	95.00'	N0°02'58"E
L78	24.00'	S89°57'02"E
L79	24.00'	N89°57'02"W
L80	95.00'	N0°02'58"E

PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L81	24.00'	S89°57'02"E
L82	24.00'	N89°57'02"W
L83	95.00'	N0°02'58"E
L84	24.00'	S89°57'02"E
L85	24.00'	N89°57'02"W
L86	95.00'	N0°02'58"E
L87	24.00'	S89°57'02"E
L88	24.00'	N89°57'02"W
L89	95.00'	N0°02'58"E
L90	24.00'	S89°57'02"E
L91	24.00'	N89°57'02"W
L92	95.00'	N0°02'58"E
L93	24.00'	S89°57'02"E
L94	24.00'	N89°57'02"W
L95	95.00'	N0°02'58"E
L96	31.50'	S89°57'02"E
L97	31.50'	N89°57'02"W
L98	95.00'	N0°02'58"E
L99	31.50'	S89°57'02"E
L100	31.50'	N89°57'02"W
L101	95.00'	N0°02'58"E
L102	20.00'	S89°57'02"E
L103	20.00'	N89°57'02"W
L104	95.00'	N0°02'58"E
L105	20.00'	S89°57'02"E
L106	20.00'	N89°57'02"W
L107	95.00'	N0°02'58"E
L108	20.00'	S89°57'02"E
L109	20.00'	N89°57'02"W
L110	95.00'	N0°02'58"E
L111	20.00'	S89°57'02"E
L112	20.00'	N89°57'02"W
L113	95.00'	N0°02'58"E
L114	20.00'	S89°57'02"E
L115	20.00'	N89°57'02"W
L116	95.00'	N0°02'58"E
L117	20.00'	N89°57'02"W
L118	84.00'	N0°02'58"E
L119	31.00'	S89°57'02"E
L121	95.00'	S0°02'58"W

PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L122	25.00'	N89°57'02"W
L123	5.68'	N0°02'58"E
L124	89.32'	N0°02'58"E
L126	95.00'	S0°02'58"W
L127	20.00'	N89°57'02"W
L129	95.00'	S0°02'58"W
L130	20.00'	N89°57'02"W
L132	95.00'	S0°02'58"W
L133	20.00'	N89°57'02"W
L135	95.00'	S0°02'58"W
L136	20.00'	N89°57'02"W
L138	95.00'	S0°02'58"W
L139	31.50'	N89°57'02"W
L141	95.00'	S0°02'58"W
L142	31.50'	N89°57'02"W
L144	95.00'	S0°02'58"W
L145	24.00'	N89°57'02"W
L147	95.00'	S0°02'58"W
L148	24.00'	N89°57'02"W
L150	95.00'	S0°02'58"W
L151	24.00'	N89°57'02"W
L153	95.00'	S0°02'58"W
L154	24.00'	N89°57'02"W
L156	95.00'	S0°02'58"W
L157	26.24'	N89°57'02"W
L158	5.26'	N89°57'02"W
L160	95.00'	S0°02'58"W
L161	31.50'	N89°57'02"W
L163	95.00'	S0°02'58"W
L164	24.00'	N89°57'02"W
L166	95.00'	S0°02'58"W
L167	24.00'	N89°57'02"W
L169	95.54'	S0°02'58"W
L170	24.00'	N89°57'02"W
L171	24.00'	N89°57'02"W
L172	99.12'	S0°02'58"W
L173	109.29'	S0°03'10"W
L174	31.50'	N89°57'02"W
L175	31.50'	N0°03'10"E
L176	95.00'	S89°56'50"E

PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L177	31.50'	S0°03'10"W
L178	95.00'	N89°56'50"W
L179	24.00'	N0°03'10"E
L180	24.00'	S0°03'10"W
L181	95.00'	N89°56'50"W
L182	24.00'	N0°03'10"E
L183	24.00'	S0°03'10"W
L184	95.00'	N89°56'50"W
L185	24.00'	N0°03'10"E
L186	24.00'	S0°03'10"W
L187	95.00'	N89°56'50"W
L188	96.34'	N89°56'50"W
L189	24.00'	N0°03'10"E
L190	9.90'	S0°03'10"W
L191	110.45'	N89°56'50"W
L192	31.50'	N0°03'10"E
L193	31.50'	S0°03'10"W
L194	95.00'	N89°56'50"W
L195	40.01'	N0°03'10"E
L196	67.06'	S89°56'50"E
L197	12.43'	S53°28'59"E
L198	5.00'	S89°56'50"E
L199	24.00'	S0°03'10"W
L200	95.00'	N89°56'50"W
L201	24.00'	N0°03'10"E
L202	24.00'	S0°03'10"W
L203	95.00'	N89°56'50"W
L204	24.00'	N0°03'10"E
L205	31.50'	S0°03'10"W
L206	95.00'	N89°56'50"W
L207	31.50'	N0°03'10"E
L208	31.50'	N0°03'10"E
L209	95.00'	S89°56'50"W
L210	31.50'	S0°03'10"W
L211	95.00'	N89°56'50"W
L212	24.00'	N0°03'10"E
L213	24.00'	S0°03'10"W
L214	95.00'	N89°56'50"W
L215	24.00'	N0°03'10"E
L216	24.00'	S0°03'10"W

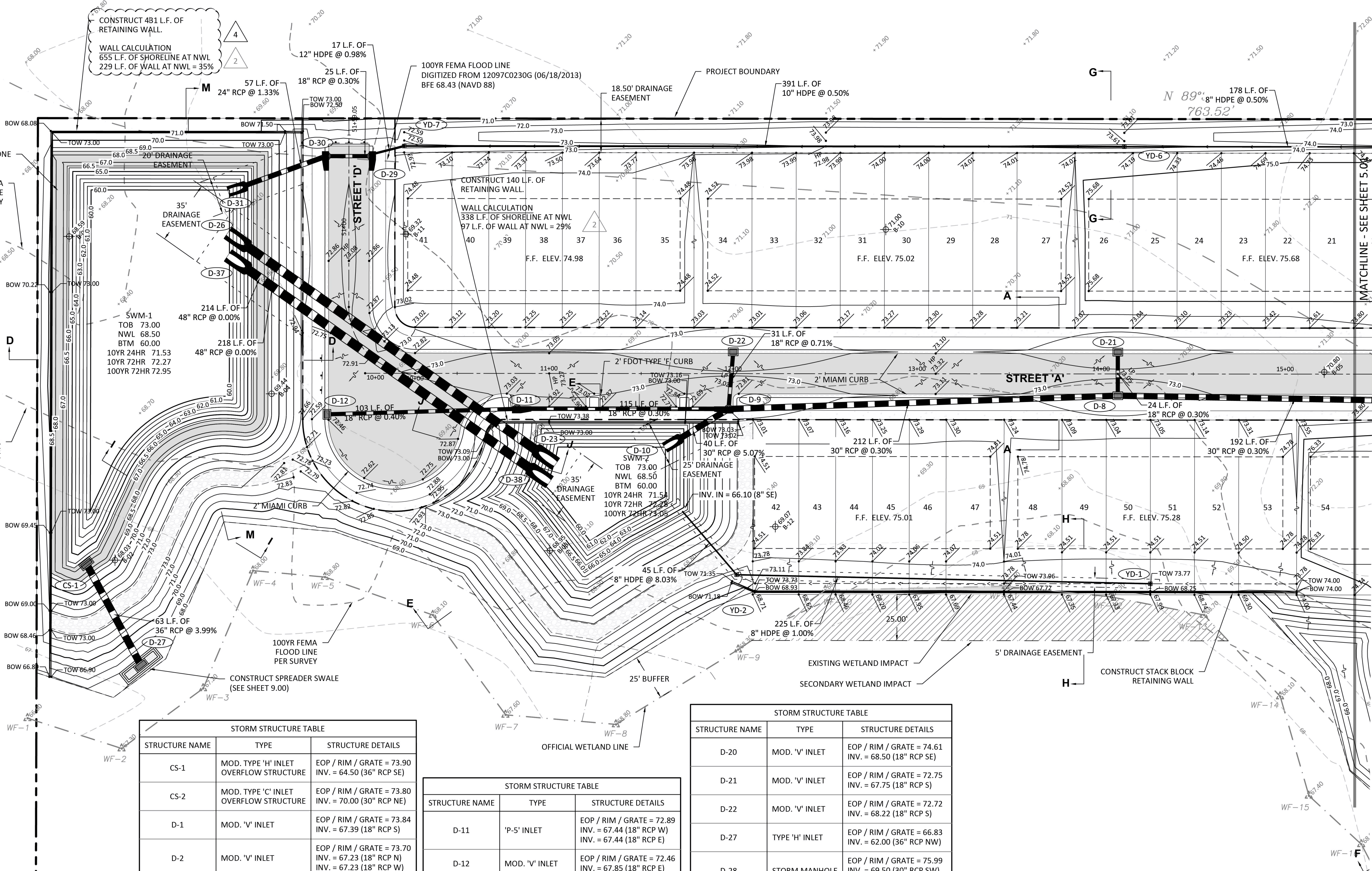
PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L217	95.00'	N89°56'50"W
L218	24.00'	N0°03'10"E
L219	24.00'	S0°03'10"W
L220	95.00'	N89°56'50"W
L221	24.00'	N0°03'10"E
L222	24.00'	S0°03'10"W
L223	95.00'	N89°56'50"W
L224	31.50'	N0°03'10"E
L225	31.50'	S0°03'10"W
L226	95.00'	N89°56'50"W
L227	95.00'	N89°56'50"W
L228	31.50'	N0°03'10"E
L229	31.50'	N0°03'10"W
L231	24.00'	N0°03'10"E
L232	24.00'	S0°03'10"W
L233	95.00'	S89°56'50"E
L234	24.00'	S0°03'10"W
L235	95.00'	N89°56'50"W
L236	24.00'	N0°03'10"E
L237	31.50'	N0°03'10"E
L238	31.50'	S0°03'10"W
L239	95.00'	N89°56'50"W
L240	14.84'	N0°03'10"E
L241	19.87'	N0°03'10"E
L242	28.83'	N30°03'10"E
L243	23.61'	S59°56'50"E
L244	6.20'	S89°55'01"E
L245	298.83'	S0°03'10"W
L246	95.00'	N89°57'24"W
L247	2.94'	S79°11'17"E
L248	154.49'	S0°03'10"W
L249	5.38'	N89°56'50"W
L250	9.52'	S39°07'36"W
L251	70.68'	N89°56'50"W
L252	120.50'	N0°03'10"E
L253	12.87'	N35°04'59"E
L254	6.58'	N0°02'58"E
L255	94.73'	S89°57'02"E
L256	109.29'	N0°03'10"E
L257	12.29'	S89°57'02"E

PARCEL LINE TABLE		
LINE	LENGTH	BEARING
L258	5.00'	S0°02'58"W
L259	12.87'	S34°59'19"E
L260	8.68'	S0°03'10"W
L261	29.17'	S0°03'10"W
L262	259.06'	N89°57'24"W
L264	56.00'	S89°56'50"E
L265	56.00'	N0°03'10"E
L266	56.00'	N89°56'50"W
L267	56.00'	N0°03'10"E
L268	56.00'	N0°03'10"E
L269	31.90'	N89°57'24"W
L270	59.24'	N25°18'00"W
L271	31.99'	N74°42'37"W
L272	50.47'	N27°33'26"W
L273	36.20'	N47°12'30"W
L274	55.20'	N16°08'50"W
L275	58.16'	N43°02'59"W
L276	50.00'	N89°57'24"W
L278	7.00'	N0°02'58"E
L279	7.00'	N0°02'58"E
L280	50.00'	S89°57'02"E
L281	18.50'	S0°02'58"W
L282	16.77'	N0°02'58"E
L283	9.90'	S89°57'02"E
L284	100.60'	S0°03'10"W
L285	137.03'	S89°57'02"E
L295	296.62'	N0°08'56"E
L297	301.38'	N0°08'56"E
L298	144.02'	S89°57'02"E
L299	569.50'	S89°57'02"E
L300	35.00'	N0°03'10"E
L301	484.00'	S89°57'02"E
L302	120.73'	S0°03'10"W
L307	156.50'	N0°02'58"E
L308	135.43'	S89°57'02"E

PARCEL CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BNG.	CHORD
C2	7.45'	144.00'	2°57'57"	3.73'	N61°25'48"W	7.45'
C3	25.90'	144.00'	10°18'17"	12.98'	N68°03'55"W	25.90'
C4	24.55'	144.00'	9°46'08"	12.31'	N78°06'08"W	24.55'
C5	17.50'	144.00'	6°57'49"	8.76'	N86°28'07"W	17.50'
C6	0.00'	110.27'	0°00'01"	0.00'	N89°57'01"W	0.00'
C12	5.37'	125.00'	2°27'42"	2.69'	S64°09'13"W	5.37'
C13	25.40'	125.00'	11°38'38"	12.75'	S71°12'23"W	25.40'
C14	28.41'	125.00'	13°01'17"	14.27'	S83°32'20"W	28.41'
C15	17.28'	11.00'	90°00'00"	11.00'	N44°57'02"W	17.28'
C17	13.77'	175.00'	4°30'34"	6.89'	N87°47'41"E	13.77'
C18	24.29'	175.00'	7°57'04"	12.16'	N81°33'53"E	24.29'
C19	33.16'	175.00'	10°51'21"	16.63'	N72°09'40"E	33.16'
C20	14.18'	75.00'	10°50'07"	7.11'	S05°21'53"E	14.18'
C21	34.83'	75.00'	26°36'31"	17.74'	S24°05'12"E	34.83'
C22	13.01'	75.00'	9°56'07"	6.52'	S84°58'46"E	13.01'
C24	63.48'	142.00'	25°36'49"	32.28'	S72°45'14"E	63.48'
C25	39.27'	25.00'	90°00'00"	25.00'	N44°56'50"W	39.27'
C26	2.07'	11.00'	10°45'45"	1.04'	S84°34'09"E	2.07'
C27	11.64'	175.00'	3°48'38"	5.82'	N64°49'41"E	11.64'
C28	82.85'	175.00'	27°07'36"	42.22'	N76°29'10"E	82.85'
C29	55.79'	75.00'	42°37'15"	29.26'	S58°42'05"E	55.79'
C38	8.03'	21.00'	21°54'46"	4.07'	S84°37'45"E	8.03'
C39	7.36'	5.00'	84°21'54"	4.53'	N42°13'55"E	7.36'
C44	148.71'	50.00'	170°24'21"	595.80'	S85°09'12"E	148.71'
C45	14.03'	10.00'	80°24'21"	8.45'	N49°50'48"E	14.03'

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A VIOLATION OF ANY APPLICABLE CODE REQUIREMENTS, OR DOES IT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS THAT ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JUDICIAL ACTIONS OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT



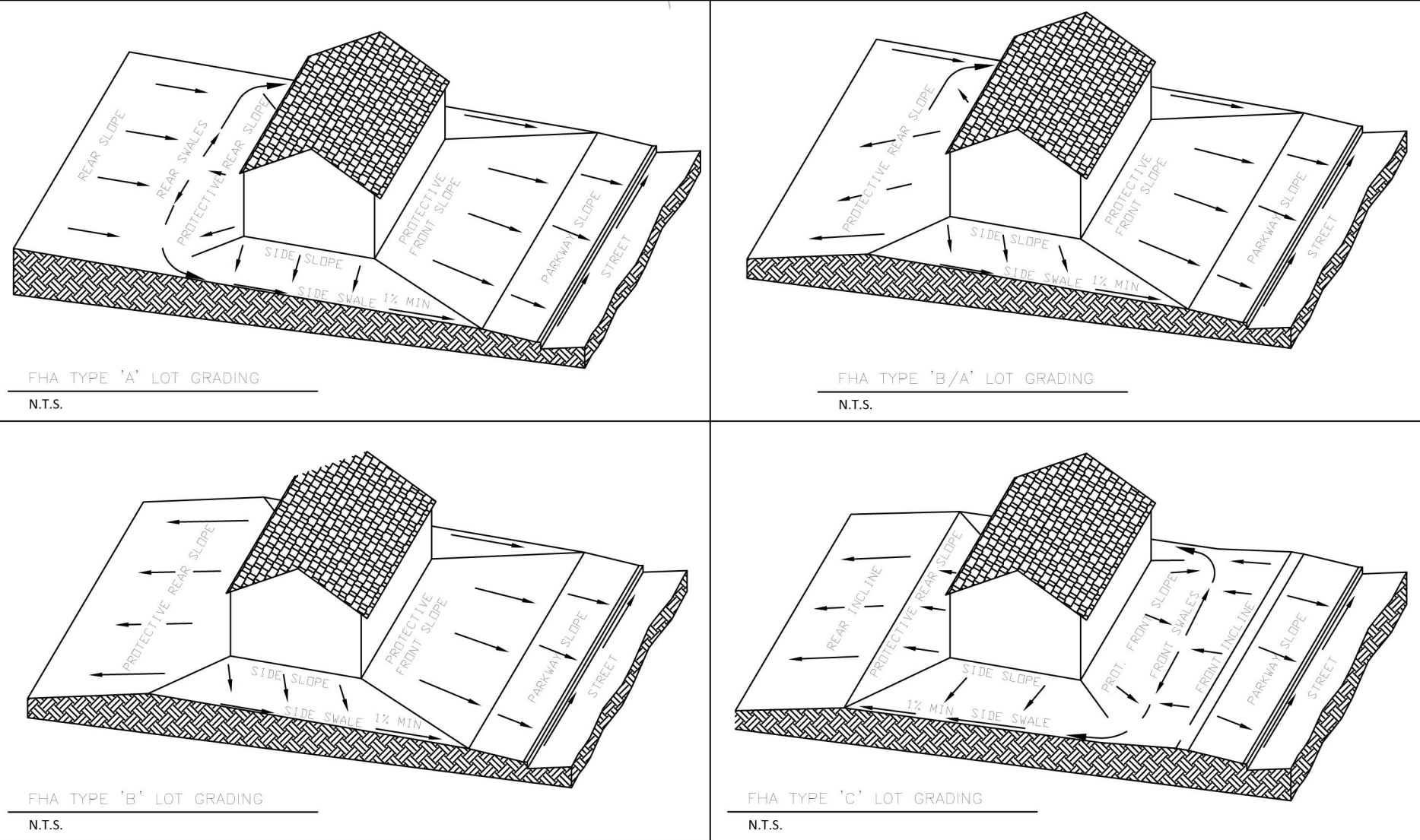
STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
CS-1	MOD. TYPE 'H' INLET OVERFLOW STRUCTURE	EOP / RIM / GRATE = 73.90 INV. = 64.50 (36" RCP SE)
CS-2	MOD. TYPE 'C' INLET OVERFLOW STRUCTURE	EOP / RIM / GRATE = 73.80 INV. = 70.00 (30" RCP NE)
D-1	MOD. 'V' INLET	EOP / RIM / GRATE = 73.84 INV. = 67.39 (18" RCP S)
D-2	MOD. 'V' INLET	EOP / RIM / GRATE = 73.70 INV. = 67.23 (18" RCP N) INV. = 67.23 (18" RCP W)
D-3	STORM MANHOLE	EOP / RIM / GRATE = 74.98 INV. = 66.28 (18" RCP S) INV. = 66.78 (18" RCP E) INV. = 66.28 (18" RCP W)
D-4	'P-5' INLET	EOP / RIM / GRATE = 75.39 INV. = 66.22 (18" RCP E) INV. = 66.22 (18" RCP W)
D-5	STORM MANHOLE	EOP / RIM / GRATE = 75.50 INV. = 65.77 (18" RCP E) INV. = 68.80 (18" RCP SE) INV. = 65.77 (18" RCP W)
D-6	'P-5' INLET	EOP / RIM / GRATE = 74.80 INV. = 68.41 (18" RCP NW) INV. = 65.51 (18" RCP E) INV. = 68.00 (30" RCP S) INV. = 65.51 (30" RCP W)
D-7	STORM MANHOLE	EOP / RIM / GRATE = 74.15 INV. = 65.27 (30" RCP E) INV. = 65.27 (30" RCP W)
D-8	MOD. 'V' INLET	EOP / RIM / GRATE = 72.75 INV. = 67.68 (18" RCP N) INV. = 64.69 (30" RCP E) INV. = 64.19 (30" RCP W)
D-9	'J-5' INLET	EOP / RIM / GRATE = 72.67 INV. = 68.00 (18" RCP N) INV. = 63.55 (30" RCP E) INV. = 67.09 (18" RCP W) INV. = 63.05 (30" RCP SW)

STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
D-11	'P-5' INLET	EOP / RIM / GRATE = 72.89 INV. = 67.44 (18" RCP W) INV. = 67.44 (18" RCP E)
D-12	MOD. 'V' INLET	EOP / RIM / GRATE = 72.46 INV. = 67.85 (18" RCP E)
D-13	MOD. 'V' INLET	EOP / RIM / GRATE = 74.74 INV. = 71.82 (18" RCP W)
D-14	MOD. 'V' INLET	EOP / RIM / GRATE = 74.74 INV. = 71.75 (18" RCP E) INV. = 71.71 (18" RCP W)
D-15	STORM MANHOLE	EOP / RIM / GRATE = 75.86 INV. = 68.31 (18" RCP SW) INV. = 66.78 (18" RCP N)
D-16	'P-5' INLET	EOP / RIM / GRATE = 74.64 INV. = 66.40 (18" RCP S) INV. = 68.39 (18" RCP SE) INV. = 66.40 (18" RCP N)
D-16A	'P-5' INLET	EOP / RIM / GRATE = 74.90 INV. = 68.50 (18" RCP NW)
D-17	'P-5' INLET	EOP / RIM / GRATE = 75.41 INV. = 68.50 (18" RCP N)
D-18	'P-5' INLET	EOP / RIM / GRATE = 75.41 INV. = 68.38 (18" RCP S) INV. = 68.38 (18" RCP NE)
D-19	'P-5' INLET	EOP / RIM / GRATE = 75.52 INV. = 69.00 (18" RCP W)
D-19A	'P-5' INLET	EOP / RIM / GRATE = 75.66 INV. = 68.91 (18" RCP E) INV. = 68.91 (18" RCP NW)

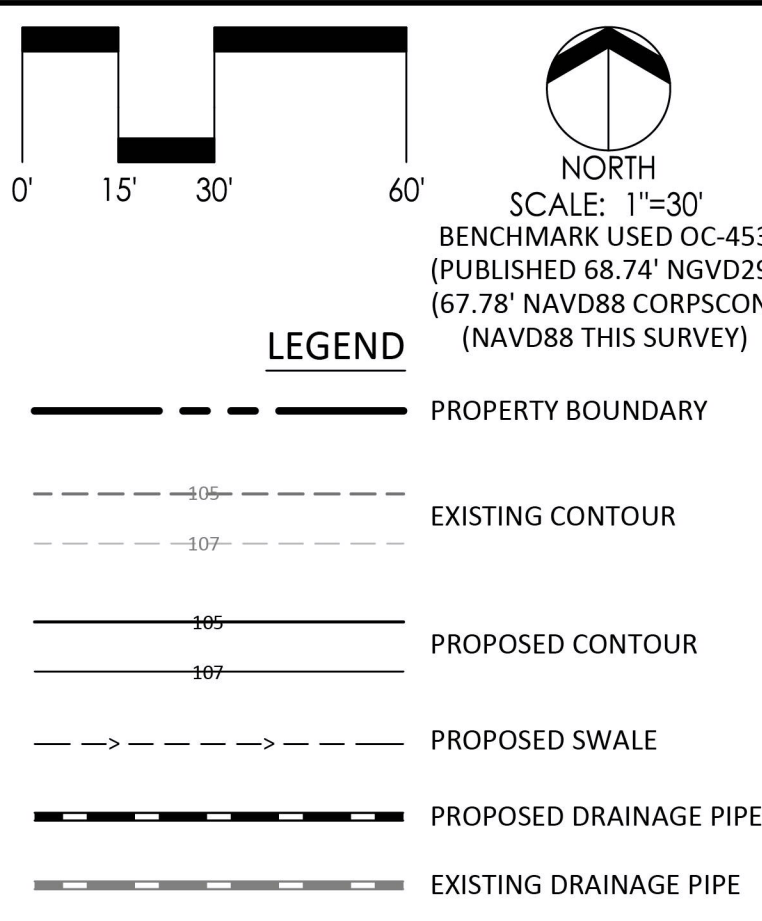
STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
D-20	MOD. 'V' INLET	EOP / RIM / GRATE = 74.61 INV. = 68.50 (18" RCP SE)
D-21	MOD. 'V' INLET	EOP / RIM / GRATE = 72.75 INV. = 67.75 (18" RCP S)
D-22	MOD. 'V' INLET	EOP / RIM / GRATE = 72.72 INV. = 68.22 (18" RCP S)
D-27	TYPE 'H' INLET	EOP / RIM / GRATE = 66.83 INV. = 62.00 (36" RCP NW)
D-28	STORM MANHOLE	EOP / RIM / GRATE = 75.99 INV. = 69.50 (30" RCP SW) INV. = 69.50 (30" RCP N)
D-29	'P-5' INLET	EOP / RIM / GRATE = 72.66 INV. = 66.69 (12" HDPE E) INV. = 61.83 (18" RCP W)
D-30	'P-5' INLET	EOP / RIM / GRATE = 72.66 INV. = 61.76 (18" RCP E) INV. = 61.76 (24" RCP W)
D-32	STORM MANHOLE	EOP / RIM / GRATE = 74.52 INV. = 71.39 (18" RCP E) INV. = 71.39 (18" HDPE W)
D-33	TYPE 'C' INLET	EOP / RIM / GRATE = 74.00 INV. = 71.18 (18" HDPE E) INV. = 71.18 (30" HDPE NW)

MES TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
D-10	MITERED END SECTION	INV. = 61.00 (30" RCP NE)
D-23	MITERED END SECTION	INV. = 60.00 (48" RCP NW)
D-26	MITERED END SECTION	INV. = 60.00 (48" RCP SE)
D-31	MITERED END SECTION	INV. = 61.00 (24" RCP E)
D-34	MITERED END SECTION	INV. = 71.00 (30" HDPE SE)
D-37	MITERED END SECTION	INV. = 60.00 (48" RCP SE)
D-38	MITERED END SECTION	INV. = 60.00 (48" RCP NW)

YARD DRAIN TABLE	
NAME	DETAILS
CO-5	GRATE = 74.8 INV IN = 69.69 INV OUT = 69.70
YD-1	GRATE = 73.4 INV OUT = 72.00
YD-2	GRATE = 71.5 INV IN = 69.75 INV OUT = 69.75
YD-3	GRATE = 73.0 INV OUT = 71.75
YD-4	GRATE = 73.0 INV IN = 69.92 INV OUT = 69.92
YD-6	GRATE = 72.6 INV IN = 68.81 INV OUT = 68.81
YD-7	GRATE = 71.6 INV IN = 66.85 INV OUT = 66.85



TYPICAL LOT GRADING
SCALE: NONE



DISTRICT IMPACTS:

- AREA OF WETLAND IMPACT (451.70 S.F. OR 0.01 ACRES)
- AREA OF SECONDARY WETLAND IMPACT (5468.70 S.F. OR 0.126 ACRES)

NOTES:

- ELEVATIONS ARE BASED UPON PROVIDED SURVEY.
- ALL TRACTS ARE TO HAVE A BLANKET UTILITY AND DRAINAGE EASEMENT.
- FHA TYPICAL LOT GRADING DETAILS CAN BE FOUND ON SHEET 5.00.
- ALL EXPOSED AREAS INCLUDING PUBLIC RIGHT-OF-WAYS WITH A SLOPE STEEPER THAN 4:1 WILL BE SOLID SODDED PER LDC 4.5.5D.
- DRAINAGE STRUCTURE DETAILS CAN BE FOUND ON SHEETS 9.02-9.05.
- ALL SOIL DENSITY TESTING, SUBSURFACE INVESTIGATIONS AND ALL OTHER GEOTECHNICAL ACTIVITY ONSITE SHALL BE SUPERVISED AND CERTIFIED BY A PROFESSIONAL GEOTECHNICAL ENGINEER.
- IF ANY UNSUITABLE SOILS SUCH AS CLAY, MUCK OR ANY ORGANIC SOILS ARE FOUND, ALL UNSUITABLE SOILS SHALL BE EXCAVATED AND REPLACED WITH SUITABLE SOILS.
- THE HOURS OF OPERATION WITHIN R.O.W ARE MONDAY, TUESDAY, THURSDAY AND FRIDAY FROM 9:00 AM UNTIL 3:00 PM AND WEDNESDAY FROM 9:00 AM TO 1:00 PM.
- ALL FINISH FLOOR ELEVATIONS SHALL BE A MINIMUM 24" ABOVE ROAD CROWN PER LDC 4.5.6.A.2.C.
- MAXIMUM IMPERVIOUS AREA = 2,200 S.F. (1,800 S.F. ROOF; 400 S.F. D/W).
- ENTIRE WETLAND IMPACT AREA WILL BE DEWATERED AND ALL UNSUITABLE SUBSOIL SUCH AS MUCK, CLAY AND ROCK WILL BE EXCAVATED AND REMOVED BEFORE PLACING FILL. ADDITIONALLY, ONLY SUITABLE MATERIALS SHALL BE USED FOR THE FILL AND SHALL BE DONE IN LAYERS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED TO 95% MAX DENSITY PER AASHTO T-180.

Rev	Date	Description	Chk By
1	03/27/19	PER COUNTY & WAD COMMENTS	XJG
2	03/27/19	PER COUNTY COMMENTS	XJG
3	03/27/19	PER COUNTY COMMENTS	XJG

THIS APPROVAL IS SUBJECT TO THE SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE DEVELOPER OR THE FACILITY AS CONSTRUCTED CORRECT ANY DEFICIENCIES IN THE PLANS OR DRAWINGS THAT MAY BE IDENTIFIED BY THE DEVELOPER OR THE FACILITY AS CONSTRUCTED. THE APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

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Table L - Compensating Storage Calculations							
Location	100-year Flood	Existing Flood Storage ^b		Provided Flood Storage ^c		Additional Storage Provided	
	Elevation ^a (ft.NAVD88)	Elev. (ft.NAVD88)	Area (sq.ft.)	Cumulative Volume (ac-ft)	Elev. (ft.NAVD88)	Area (sq.ft.)	Cumulative Volume (ac-ft)
West Boundary	68.45	66	0	0.000	66	2816.00	0.00
		67	6.26	0.00	67	5713.00	0.10
		68	7189.4	0.08	68	6332.63	0.24
		68.45	29503.8	0.27	68.45	7312.10	0.31

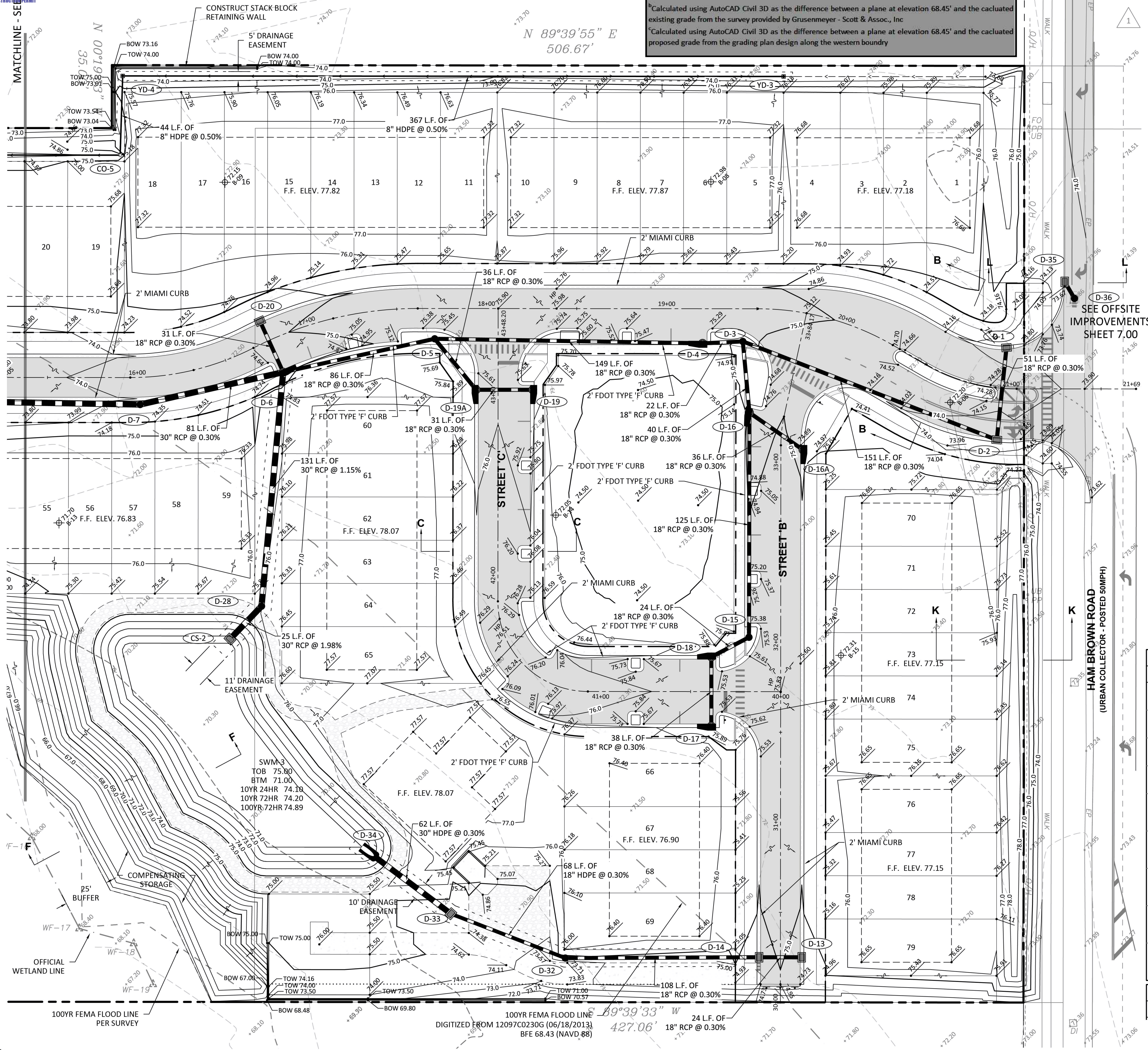
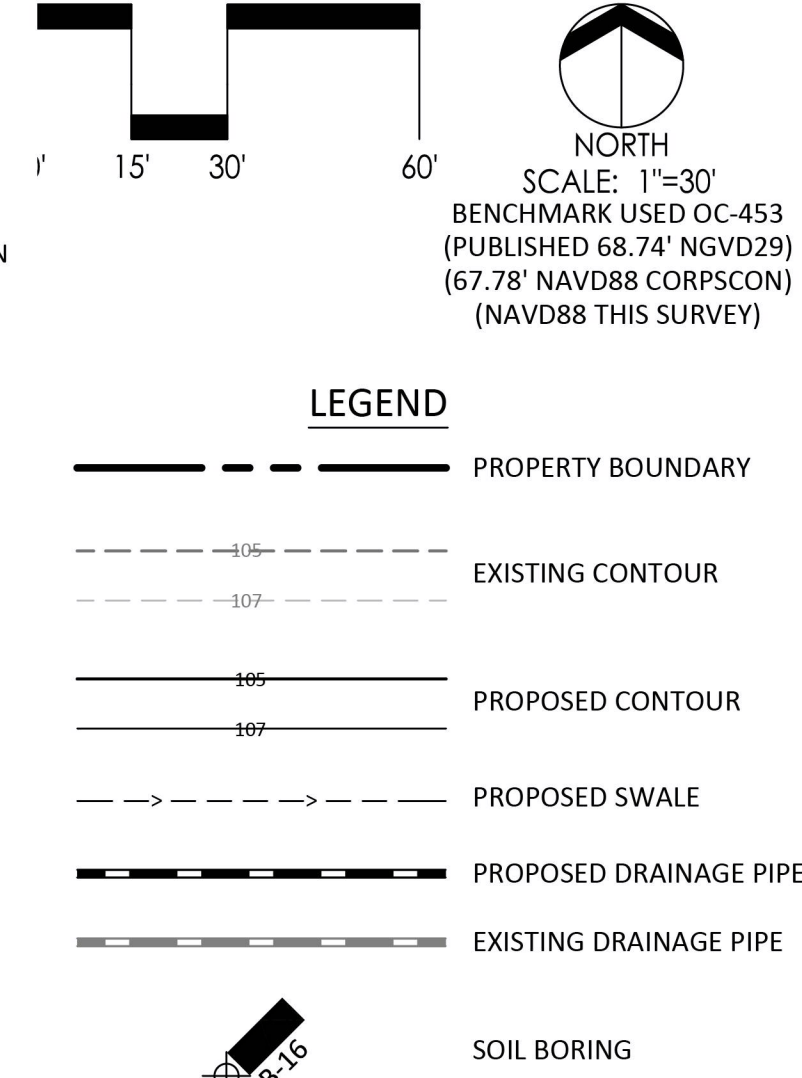
^aFrom ICPR Report of flood study within SFWMD ERP Permit No.19-01679-P

^bCalculated using AutoCAD Civil 3D as the difference between a plane at elevation 68.45' and the cacluated existing grade from the survey provided by Grusenmeyer - Scott & Assoc., Inc

^cCalculated using AutoCAD Civil 3D as the difference between a plane at elevation 68.45' and the cacluated proposed grade from the grading plan design along the western boundry

NOTES:

- ELEVATIONS ARE BASED UPON PROVIDED SURVEY.
- ALL TRACTS ARE TO HAVE A BLANKET UTILITY AND DRAINAGE EASEMENT.
- FHA TYPICAL LOT GRADING DETAILS CAN BE FOUND ON SHEET 5.00.
- ALL EXPOSED AREAS INCLUDING PUBLIC RIGHT-OF-WAYS WITH A SLOPE STEEPER THAN 4:1 WILL BE SOLID SODDED PER LDC 4.5.5D.
- DRAINAGE STRUCTURE DETAILS CAN BE FOUND ON SHEETS 9.02-9.05.
- ALL SOIL DENSITY TESTING, SUBSURFACE INVESTIGATIONS AND ALL OTHER GEOTECHNICAL ACTIVITY ONSITE SHALL BE SUPERVISED AND CERTIFIED BY A PROFESSIONAL GEOTECHNICAL ENGINEER.
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- THE HOURS OF OPERATION WITHIN R.O.W ARE MONDAY, TUESDAY, THURSDAY AND FRIDAY FROM 9:00 AM UNTIL 3:00 PM AND WEDNESDAY FROM 9:00 AM TO 1:00 PM
- ALL FINISH FLOOR ELEVATIONS SHALL BE A MINIMUM 24" ABOVE ROAD CROWN PER LDC 4.5.6.A.2C.
- MAXIMUM IMPERVIOUS AREA = 2,200 S.F. (1,800 S.F. ROOF; 400 S.F. D.W/.
- ENTIRE WETLAND IMPACT AREA WILL BE DEWATERED AND ALL UNSUITABLE SUBSOIL SUCH AS MUCK, CLAY AND ROCK WILL BE EXCAVATED AND REMOVED BEFORE PLACING FILL. ADDITIONALLY, ONLY SUITABLE MATERIALS SHALL BE USED FOR THE FILL AND SHALL BE DONE IN LAYERS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED TO 95% MAX DENSITY PER AASHTO T-180.



STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
CS-1	MOD. TYPE 'H' INLET OVERFLOW STRUCTURE	EOP / RIM / GRATE = 73.90 INV. = 64.50 (36" RCP SE)
CS-2	MOD. TYPE 'C' INLET OVERFLOW STRUCTURE	EOP / RIM / GRATE = 73.80 INV. = 70.00 (30" RCP NE)
D-1	MOD. 'V' INLET	EOP / RIM / GRATE = 73.84 INV. = 67.39 (18" RCP S)
D-2	MOD. 'V' INLET	EOP / RIM / GRATE = 73.70 INV. = 67.23 (18" RCP N) INV. = 67.23 (18" RCP W)
D-3	STORM MANHOLE	EOP / RIM / GRATE = 74.98 INV. = 66.78 (18" RCP E) INV. = 66.78 (18" RCP W)
D-4	'P-S' INLET	EOP / RIM / GRATE = 75.39 INV. = 66.22 (18" RCP E) INV. = 66.22 (18" RCP W)
D-5	STORM MANHOLE	EOP / RIM / GRATE = 75.50 INV. = 65.77 (18" RCP E) INV. = 68.80 (18" RCP SE) INV. = 65.77 (18" RCP W)
D-6	'P-S' INLET	EOP / RIM / GRATE = 74.80 INV. = 68.41 (18" RCP NW) INV. = 65.51 (18" RCP E) INV. = 68.00 (30" RCP S) INV. = 65.51 (30" RCP W)
D-7	STORM MANHOLE	EOP / RIM / GRATE = 74.15 INV. = 65.27 (30" RCP E) INV. = 65.27 (30" RCP W)
D-8	MOD. 'V' INLET	EOP / RIM / GRATE = 72.75 INV. = 67.68 (18" RCP N) INV. = 64.69 (30" RCP E) INV. = 64.19 (30" RCP W)
D-9	'J-S' INLET	EOP / RIM / GRATE = 72.67 INV. = 68.00 (18" RCP N) INV. = 63.55 (30" RCP E) INV. = 67.09 (18" RCP W) INV. = 63.05 (30" RCP SW)

STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
D-11	'P-S' INLET	EOP / RIM / GRATE = 72.89 INV. = 67.44 (18" RCP SE) INV. = 67.44 (18" RCP E)
D-12	MOD. 'V' INLET	EOP / RIM / GRATE = 72.46 INV. = 67.85 (18" RCP E)
D-13	MOD. 'V' INLET	EOP / RIM / GRATE = 74.74 INV. = 71.82 (18" RCP W)
D-14	MOD. 'V' INLET	EOP / RIM / GRATE = 74.74 INV. = 71.75 (18" RCP E) INV. = 71.75 (18" RCP S) INV. = 71.71 (18" RCP W)
D-15	STORM MANHOLE	EOP / RIM / GRATE = 75.86 INV. = 68.31 (18" RCP SW) INV. = 66.78 (18" RCP N)
D-16	'P-S' INLET	EOP / RIM / GRATE = 74.64 INV. = 66.40 (18" RCP S) INV. = 68.39 (18" RCP SE) INV. = 66.40 (18" RCP N)
D-16A	'P-S' INLET	EOP / RIM / GRATE = 74.90 INV. = 68.50 (18" RCP NW)
D-17	'P-S' INLET	EOP / RIM / GRATE = 75.41 INV. = 68.50 (18" RCP N)
D-18	'P-S' INLET	EOP / RIM / GRATE = 75.41 INV. = 68.38 (18" RCP S) INV. = 68.38 (18" RCP NE)
D-19	'P-S' INLET	EOP / RIM / GRATE = 75.52 INV. = 69.00 (18" RCP W)
D-19A	'P-S' INLET	EOP / RIM / GRATE = 75.66 INV. = 68.91 (18" RCP E) INV. = 68.91 (18" RCP NW)

STORM STRUCTURE TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS
D-20	MOD. 'V' INLET	EOP / RIM / GRATE = 74.61 INV. = 68.50 (18" RCP SE)
D-21	MOD. 'V' INLET	EOP / RIM / GRATE = 72.75 INV. = 67.75 (18" RCP S)
D-22	MOD. 'V' INLET	EOP / RIM / GRATE = 72.72 INV. = 68.22 (18" RCP S)
D-27	TYPE 'H' INLET	EOP / RIM / GRATE = 66.83 INV. = 62.00 (36" RCP NW)
D-28	STORM MANHOLE	EOP / RIM / GRATE = 75.99 INV. = 69.50 (30" RCP SW) INV. = 69.50 (30" RCP N)
D-29	'P-S' INLET	EOP / RIM / GRATE = 72.66 INV. = 66.69 (12" HDPE E) INV. = 61.83 (18" RCP W)
D-30	'P-S' INLET	EOP / RIM / GRATE = 72.66 INV. = 61.76 (18" RCP E) INV. = 61.76 (24" RCP W)
D-32	STORM MANHOLE	EOP / RIM / GRATE = 74.52 INV. = 71.39 (18" RCP E) INV. = 71.39 (18" HDPE W)
D-33	TYPE 'C' INLET	EOP / RIM / GRATE = 74.00 INV. = 71.18 (18" HDPE E) INV. = 71.18 (30" HDPE NW)

D-10	MITERED END SECTION	INV. = 61.00 (30" RCP NE)
D-23	MITERED END SECTION	INV. = 60.00 (48" RCP NW)
D-26	MITERED END SECTION	INV. = 60.00 (48" RCP SE)
D-31	MITERED END SECTION	INV. = 61.00 (24" RCP E)
D-34	MITERED END SECTION	INV. = 71.00 (30" HDPE SE)
D-37	MITERED END SECTION	INV. = 60.00 (48" RCP SE)
D-38	MITERED END SECTION	INV. = 60.00 (48" RCP NW)

YARD DRAIN TABLE	
NAME	DETAILS
CO-5	GRATE = 74.8 INV IN = 69.69 INV OUT = 69.70
YD-1	GRATE = 73.4 INV IN = 72.00
YD-2	GRATE = 71.5 INV IN = 69.75 INV OUT = 69.75
YD-3	GRATE = 73.0 INV IN = 71.75
YD-4	GRATE = 73.0 INV IN = 69.92 INV OUT = 69.92
YD-6	GRATE = 72.6 INV IN = 68.81 INV OUT = 68.81
YD-7	GRATE = 71.6 INV IN = 66.85 INV OUT = 66.85

MES TABLE		
STRUCTURE NAME	TYPE	STRUCTURE DETAILS

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS. NON COMPLIANCE WITH THE BOARD OF COUNTY COMMISSIONERS' REQUIREMENTS DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

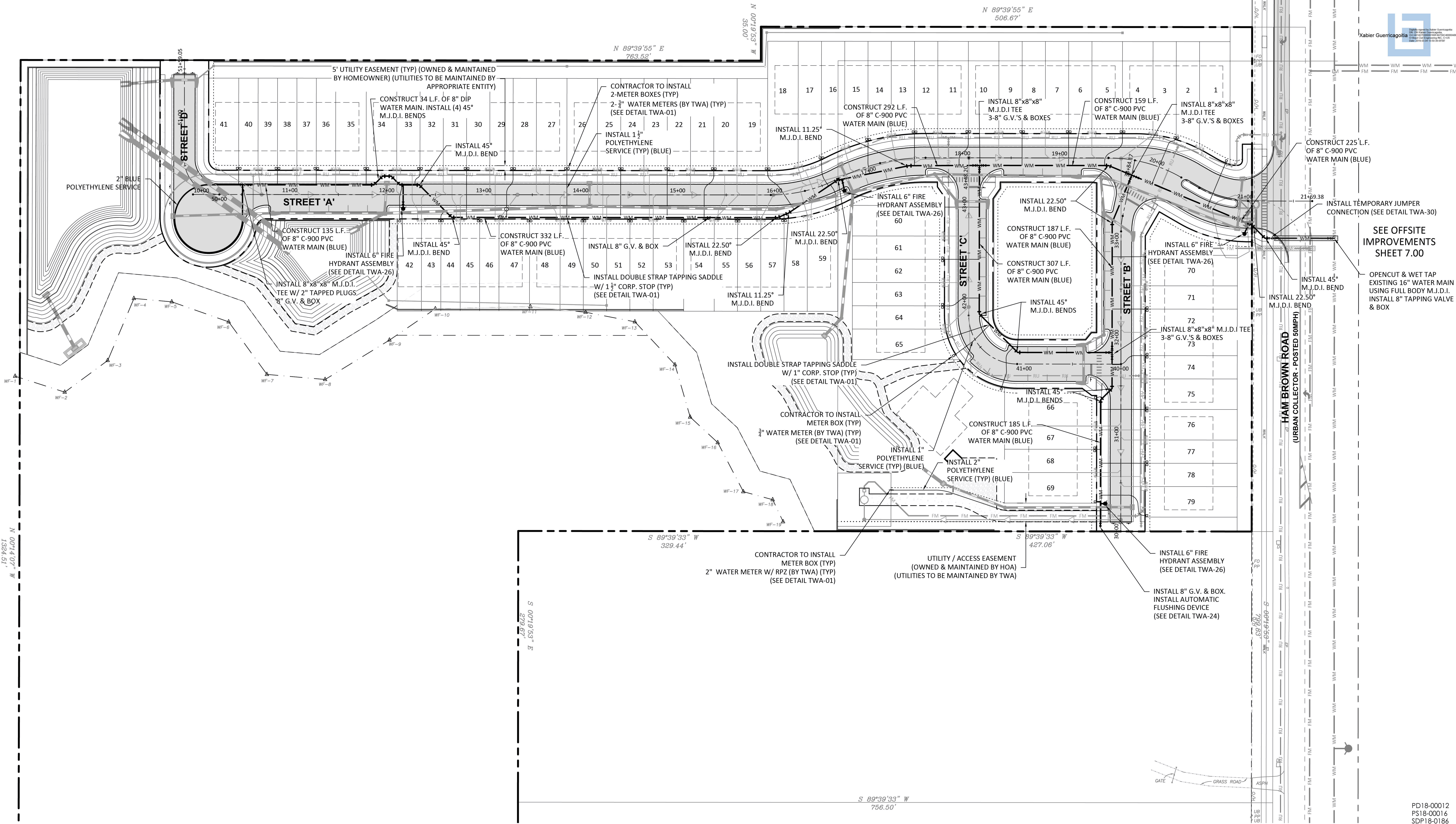
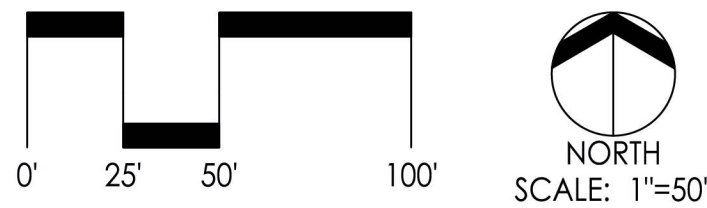
NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT

LEGEND

- PROPERTY BOUNDARY
- RU PROPOSED RECLAIM WATER MAIN
- WM PROPOSED POTABLE WATER MAIN
- PROPOSED SANITARY
- FM PROPOSED FORCE MAIN
- UTILITY EASEMENT
- G.V. GATE VALVE
- M.J.D.I. MECHANICAL JOINT DUCTILE IRON
- FIRE HYDRANT ASSEMBLY

NOTES:

- NO PROPOSED POLE (SIGN, TRAFFIC, LIGHT AND POWER) MAY BE IN CONFLICT WITH WATER OR SANITARY MAIN. THERE MUST BE A MINIMUM OF 5' HORIZONTAL SEPARATION MAINTAINED.
- ALL TREES AND SHRUBS MUST MAINTAIN A MINIMUM OF 5' HORIZONTAL SEPARATION FROM ROOT BALL TO TOHO MAINTAINED UTILITIES.



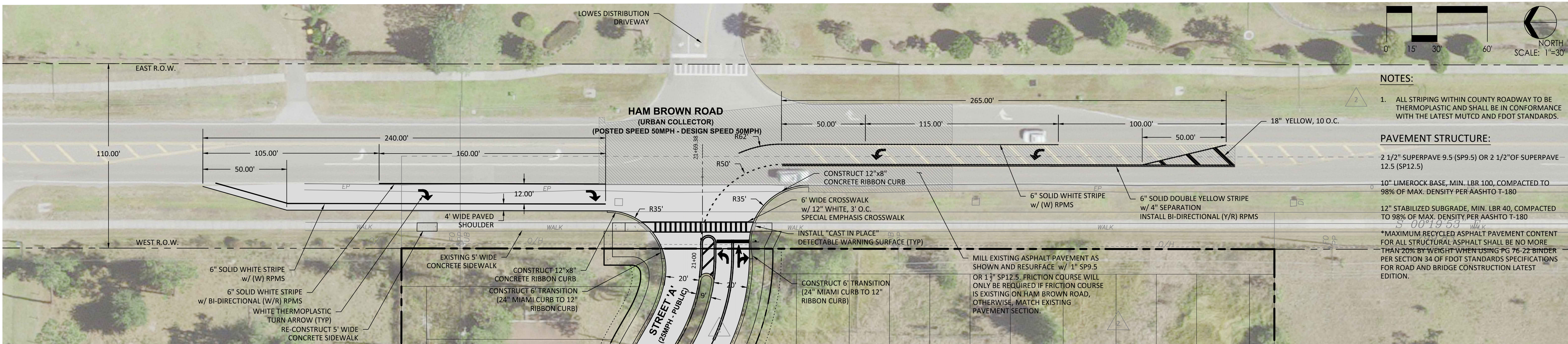
Rev.	Date	Description	Chk By
1	03/04/19	PER TWA COMMENTS	XJG

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES, ERRORS OR THE FACILITY AS CONSTRUCTED, WHICH RESULT IN A VIOLATION OF ANY APPLICABLE CODE REQUIREMENTS, DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS THAT ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JURISDICTION OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

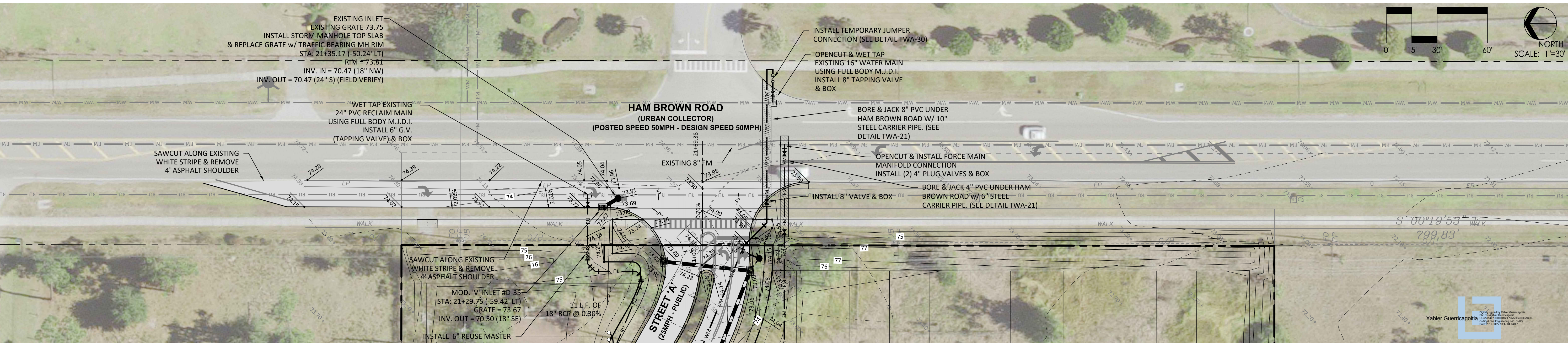
NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT



DEMOLITION PLAN



SIGNAGE & STRIPING



GRADING & UTILITIES

NOTES:

- ANY PROPOSED LANE CLOSURE MUST BE SUBMITTED IN WRITING ACCOMPANIED BY A SPECIFIC MOT PLAN DETAILING THE SIGNAGE/DETOUR PLAN, DURATION OF THE LANE CLOSURE, NOTIFICATION OF LOCAL EMERGENCY AND LAW ENFORCEMENT OFFICES, NOTIFICATION OF OSCEOLA COUNTY PUBLIC INFORMATION OFFICE AND ALL AFFECTED LOCAL RESIDENTS WITHIN THE ROADWAYS. ALL LANE CLOSURE MUST BE DONE IN STAGES WHEREIN ONLY SECTIONS OF COUNTY ROADWAYS ROADWAYS WILL BE CLOSED AT A TIME. THIS IS TO KEEP EMERGENCY VEHICLES ROAD ACCESSIBILITY IMPACT TO A MINIMUM.
- VARIABLE MESSAGE BOARD TO BE INSTALLED AT LEAST ONE (1) WEEK PRIOR TO BEGINNING OF CONSTRUCTION OF OFFSITE IMPROVEMENTS WITHIN COUNTY RIGHT-OF-WAY.

NOTES:

- ALL STRIPING WITHIN COUNTY ROADWAY TO BE THERMOPLASTIC AND SHALL BE IN CONFORMANCE WITH THE LATEST MUTCD AND FDOT STANDARDS.

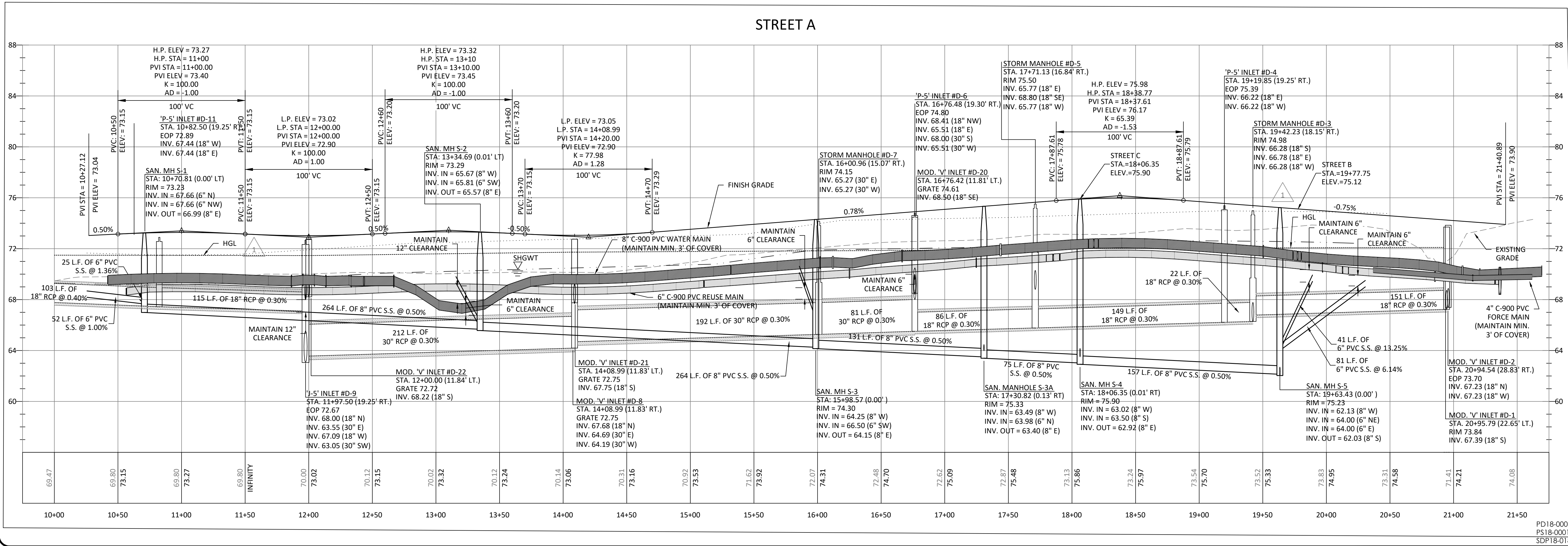
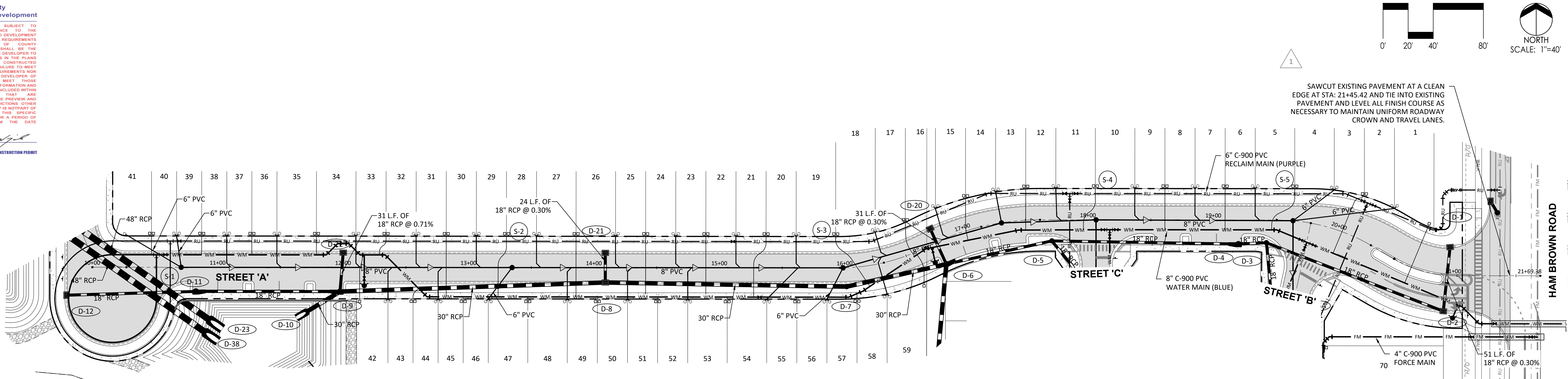
PAVEMENT STRUCTURE:

- 2 1/2" SUPERPAVE 9.5 (SP9.5) OR 2 1/2" OF SUPERPAVE 12.5 (SP12.5)
 - 10" LIMEROCK BASE, MIN. LBR 100, COMPACTED TO 98% OF MAX. DENSITY PER AASHTO T-180
 - 12" STABILIZED SUBGRADE, MIN. LBR 40, COMPACTED TO 98% OF MAX. DENSITY PER AASHTO T-180
- *MAXIMUM RECYCLED ASPHALT PAVEMENT CONTENT FOR ALL STRUCTURAL ASPHALT SHALL BE NO MORE THAN 20% BY WEIGHT WHEN USING PG 76-22 BINDER PER SECTION 34 OF FDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

Rev.	Date	Description	Chk By
1	03/22/19	PER COUNTY, WMO & TMA COMMENTS	XJG
2	03/04/19	PER COUNTY COMMENTS	XJG
3	02/05/19	PER COUNTY COMMENTS	XJG

THIS APPROVAL IS SUBJECT TO THE SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE CONSTRUCTION DRAWINGS ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JUNCTIONS OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT



BOYD CIVIL ENGINEERING
6816 Hanging Moss Road
Orlando, Florida 32807
Office: (407)494-2693
Certificate of Auth: 29791

Civil Engineer
XABIER GUERRICOGOTIA, P.E.
No. 19181
STATE OF FLORIDA
Professional Engineer

Rev.	Date	Description	Chk By
1	03/22/19	PER COUNTY, WARD & TMA COMMENTS	XJG
2	03/26/19	PER TMA COMMENTS	XJG
3	02/05/19	PER COUNTY COMMENTS	XJG

ALEXANDER PARK
OSCEOLA COUNTY, FLORIDA
PREPARED FOR: BELAVISTA DEVELOPMENT GROUP, LLC

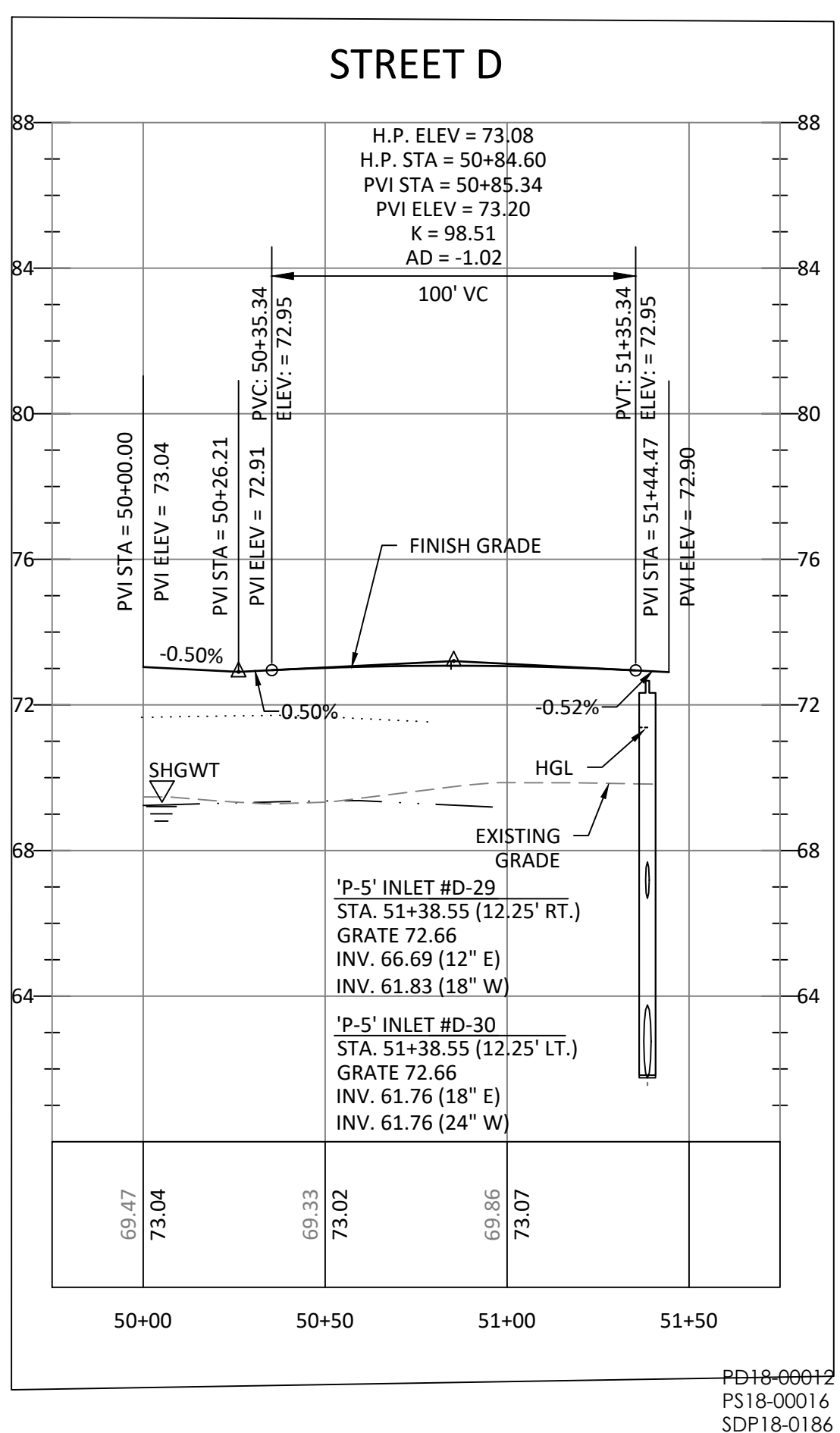
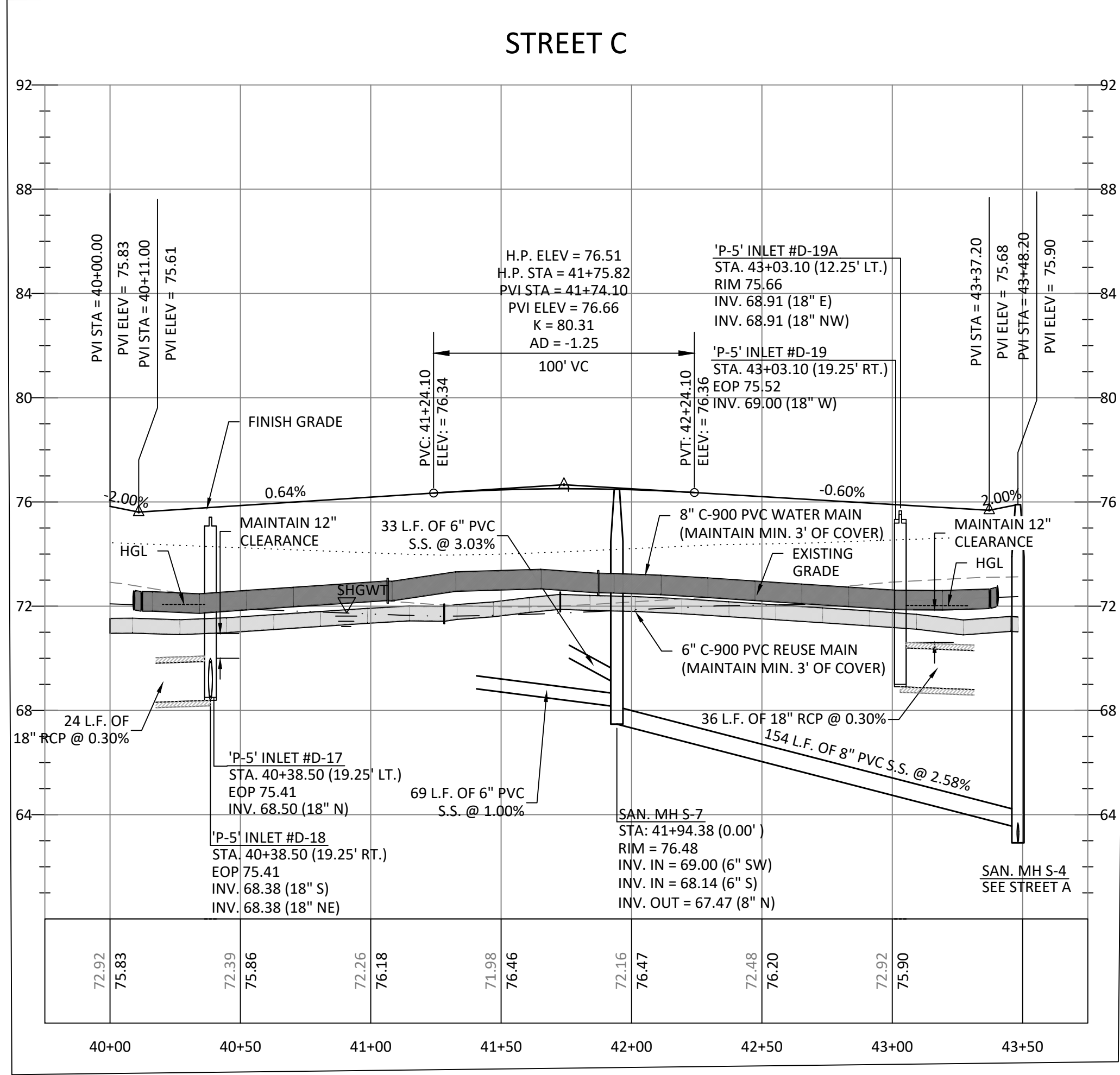
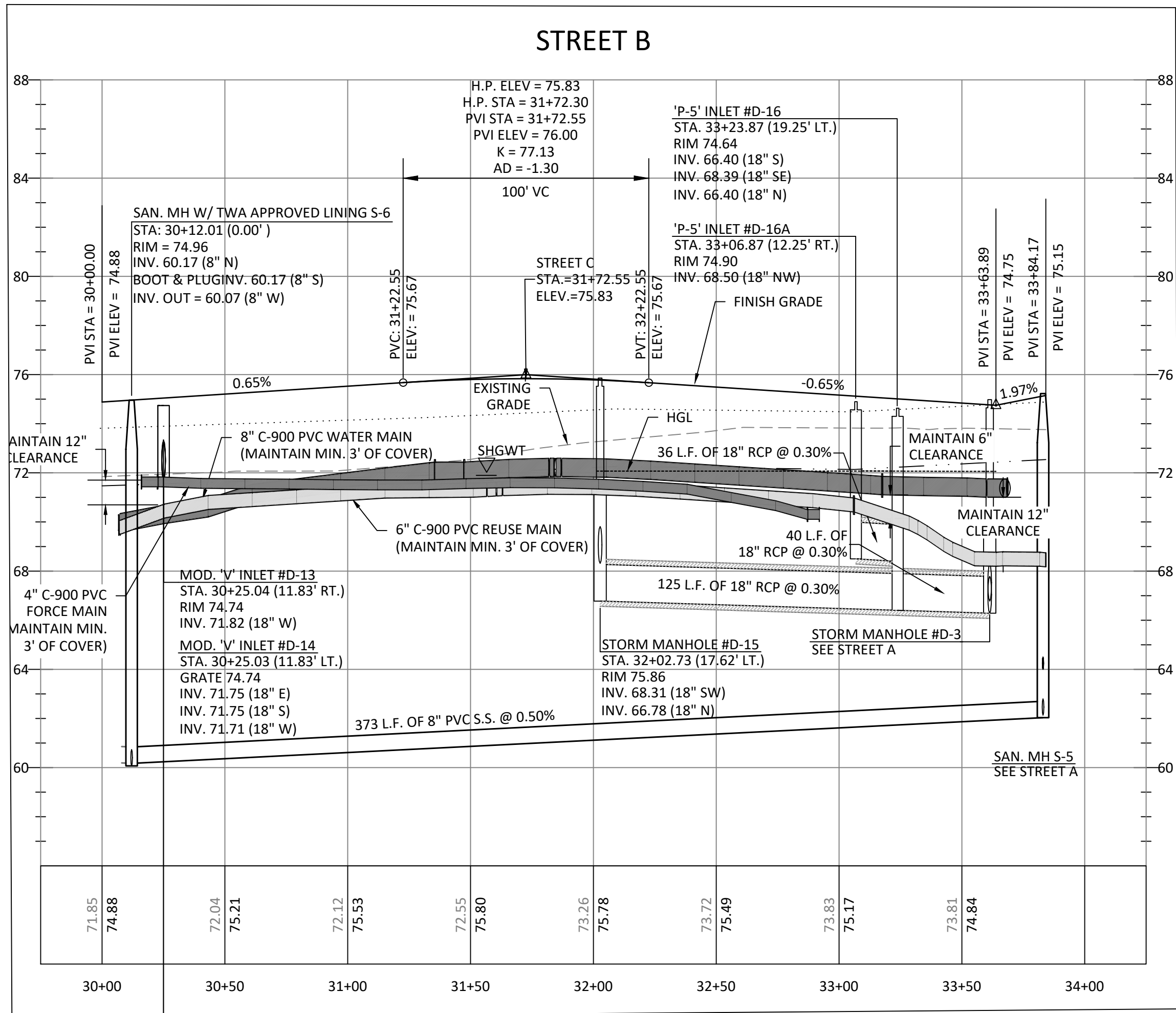
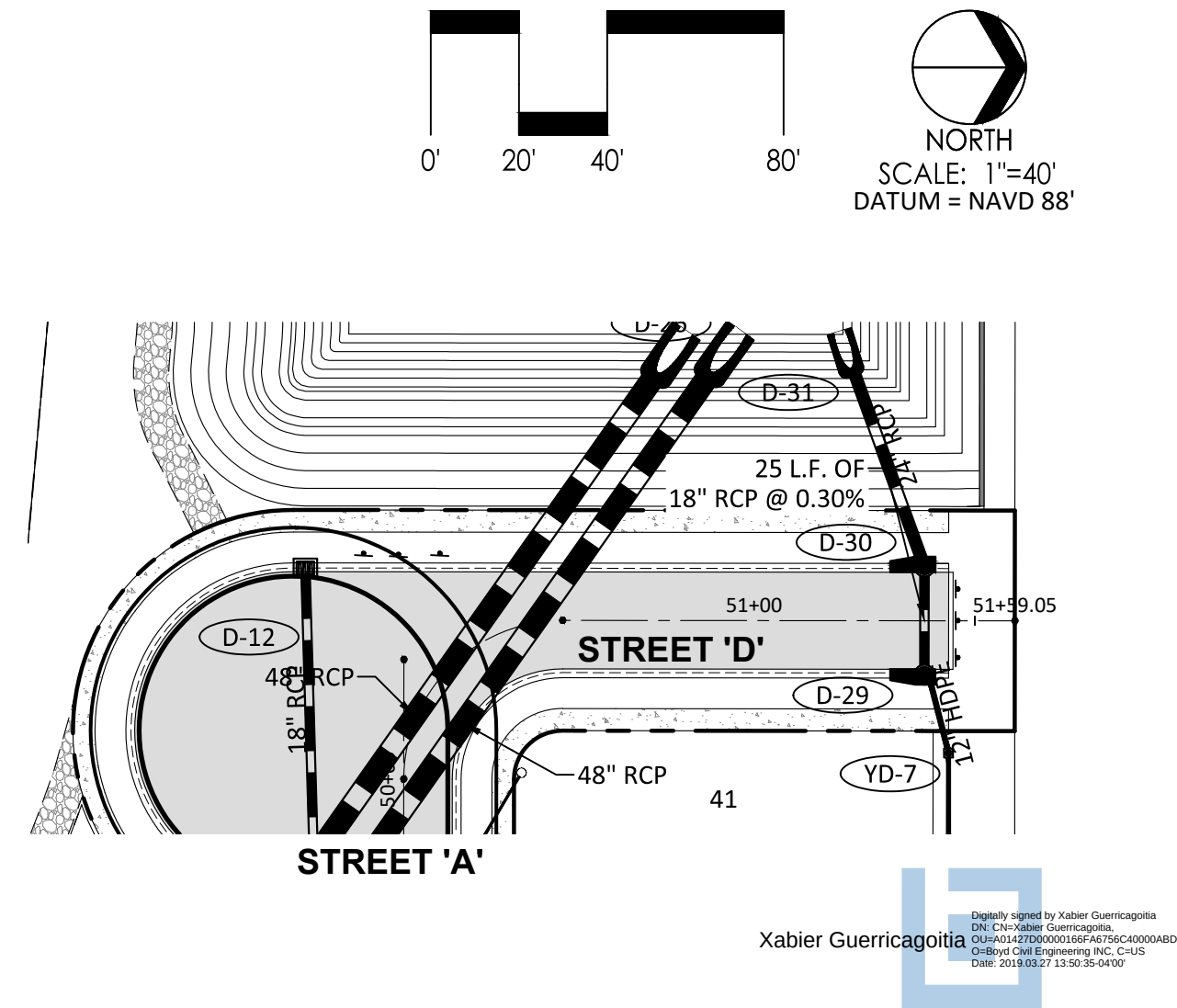
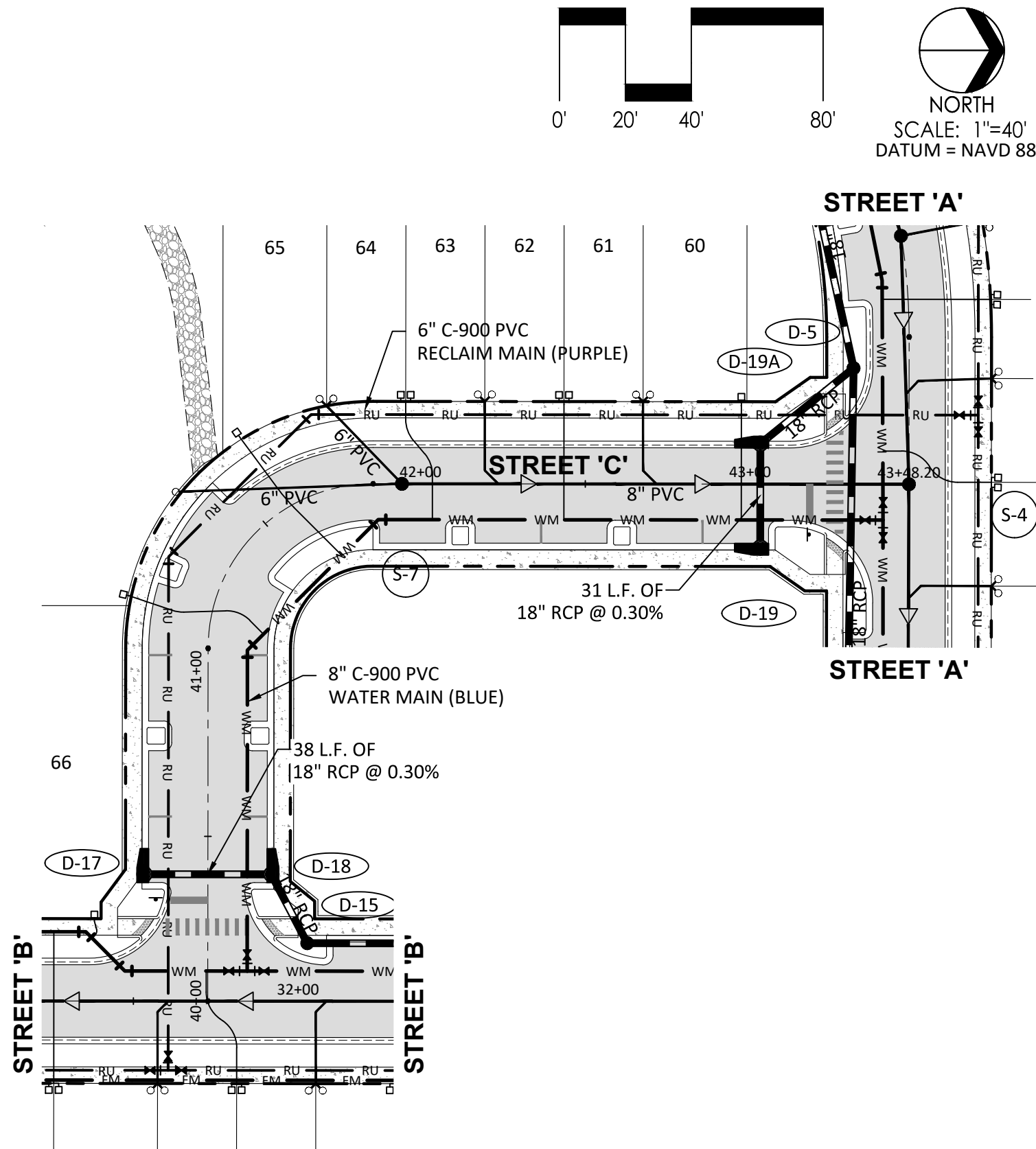
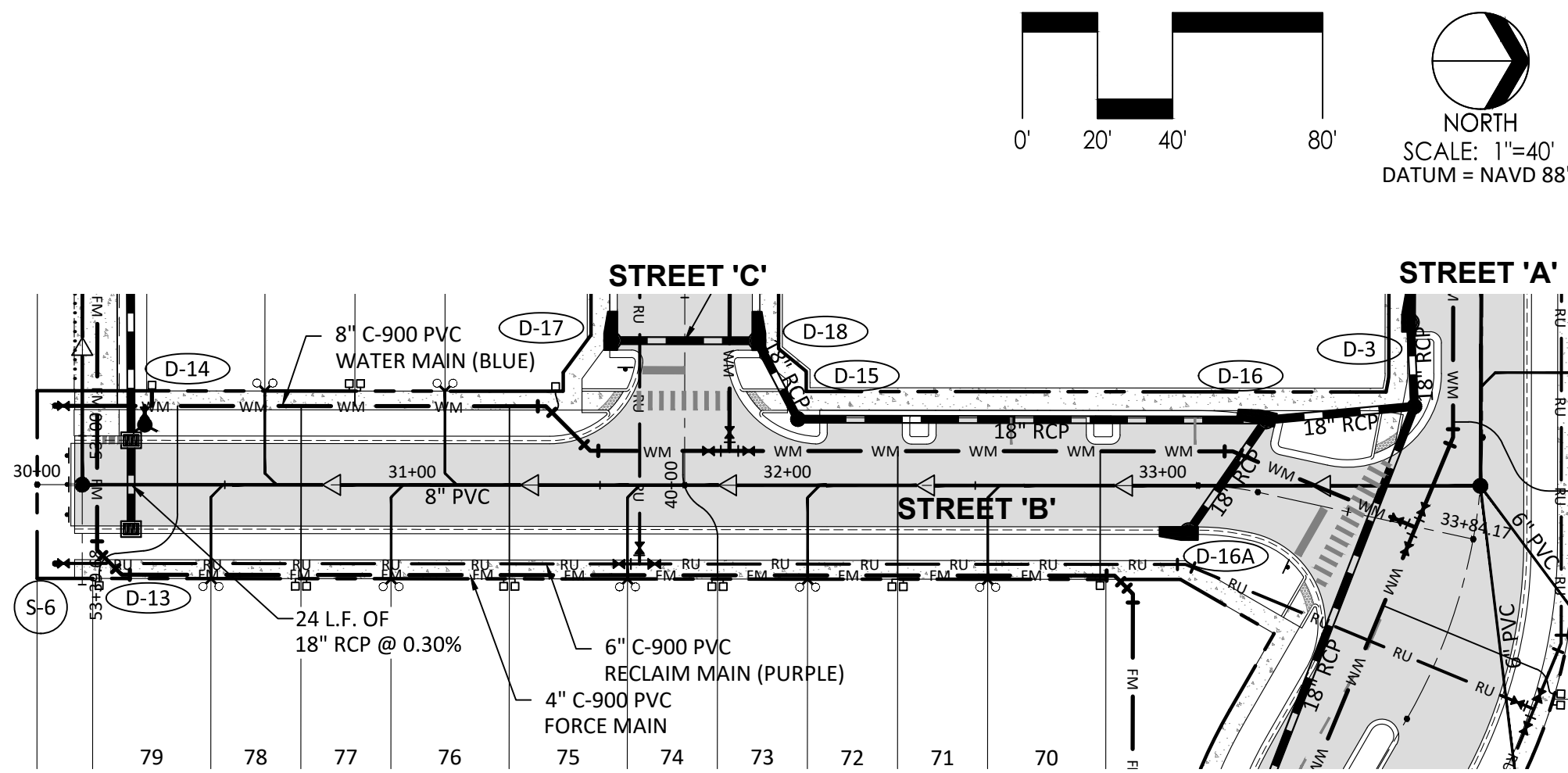
STREET 'A' PLAN & PROFILE

Date: 3/22/2019
Scale: AS SHOWN
Project No.: 1110.000
Drawn By: RAP
Designed By: RAP
Checked By: XJG

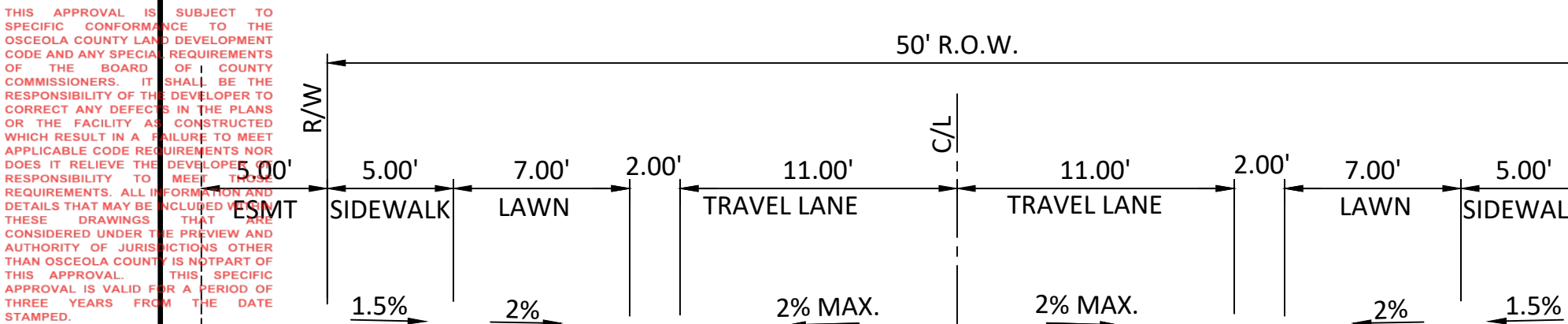
SHEET NO.
8.00

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS NOR DOES IT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS THAT ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JURISDICTIONS OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

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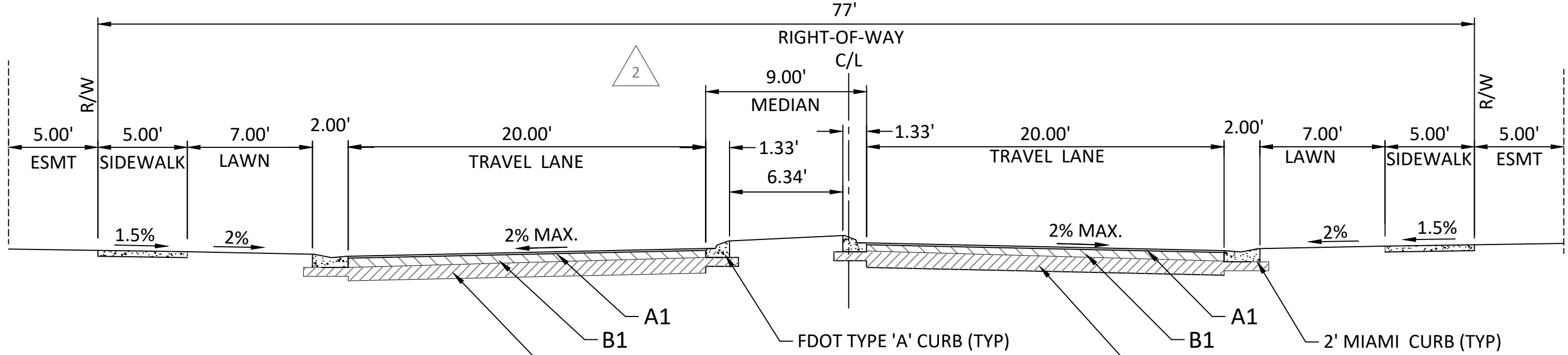


Rev.	Date	Description	Chk By
1	03/22/19	PER COUNTY, WMD & TMA COMMENTS	XJG
2	03/26/19	PER TMA COMMENTS	XJG
3	02/05/19	PER COUNTY COMMENTS	XJG



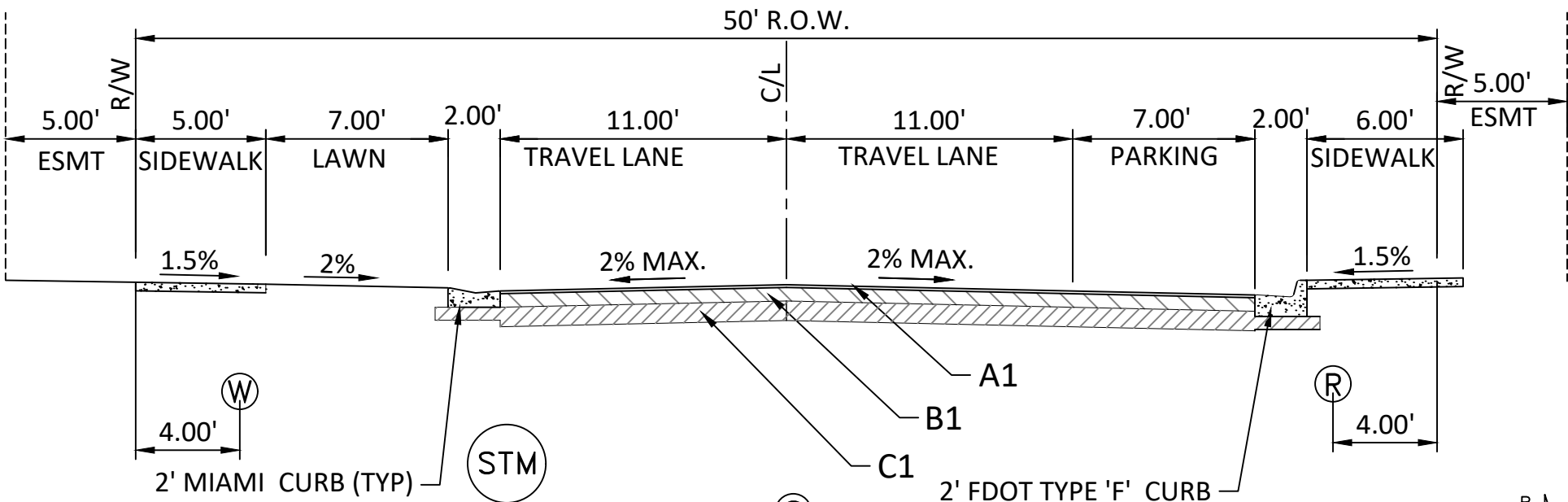
SECTION 'A-A' ROAD SECTION

SCALE: 1" = 6'
STREETS A, B, & D



SECTION 'B-B' ENTRANCE ROAD

SCALE: 1" = 6'
STREET 'A' ONLY



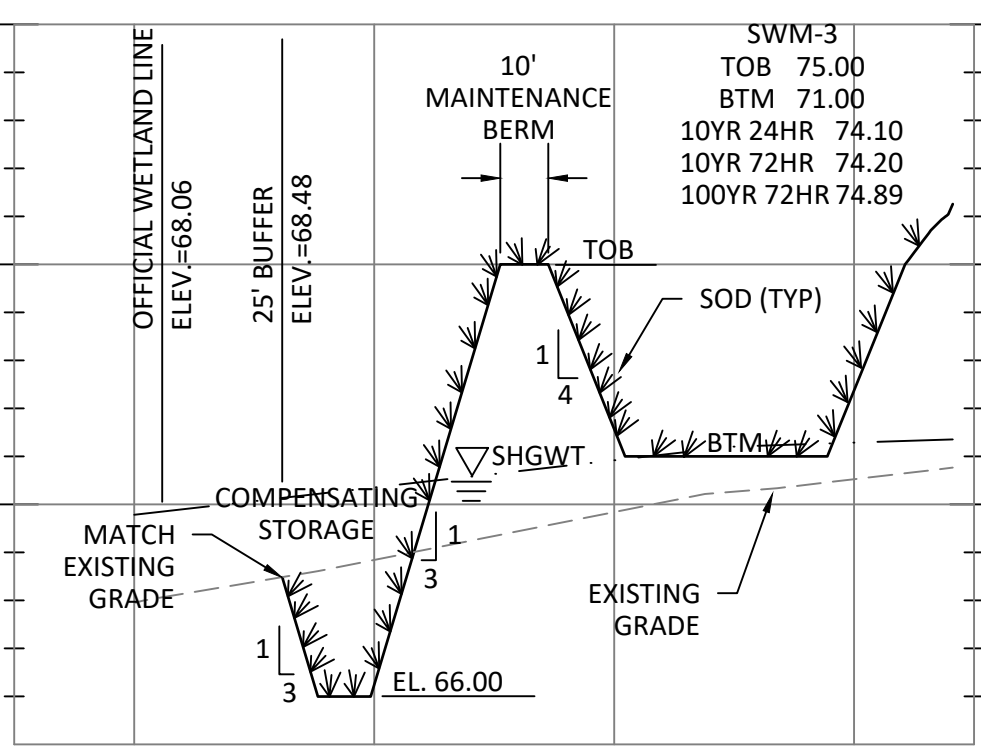
SECTION 'C-C' ROAD SECTION

SCALE: 1" = 6'
STREET A, B, & C

PAVEMENT STRUCTURE

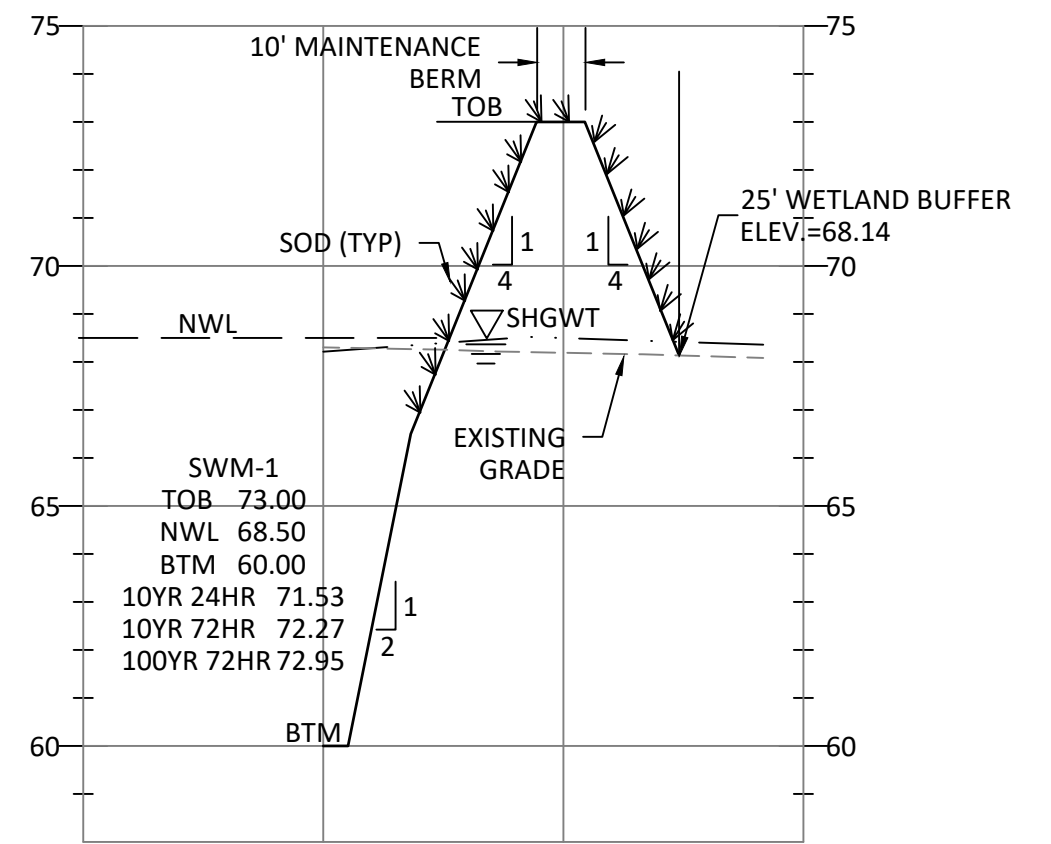
- A1 - 1 1/2" SUPERPAVE 9.5 (SP9.5) OR 1 1/2" OF SUPERPAVE 12.5 (SP12.5)
- B1 - 6" LIMEROCK BASE, MIN. LBR 100, COMPACTED TO 98% OF MAX. DENSITY PER AASHTO T-180
- C1 - 9" STABILIZED SUBGRADE, MIN. LBR 40, COMPACTED TO 98% OF MAX. DENSITY PER AASHTO T-180

*MAXIMUM RECYCLED ASPHALT PAVEMENT CONTENT FOR ALL STRUCTURAL ASPHALT SHALL BE NO MORE THAN 20% BY WEIGHT WHEN USING PG 76-22 BINDER PER SECTION 34 OF FDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.



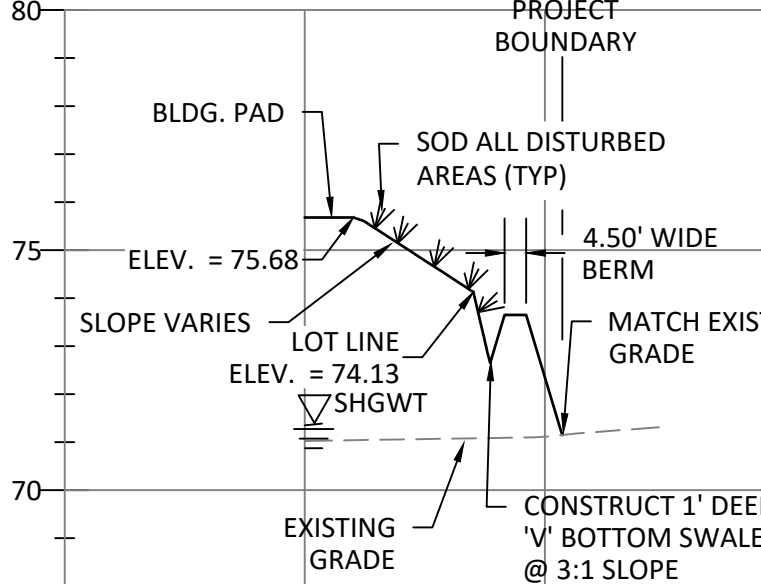
SECTION 'F-F'

HORZ 1"=40'
VERT 1"=4'



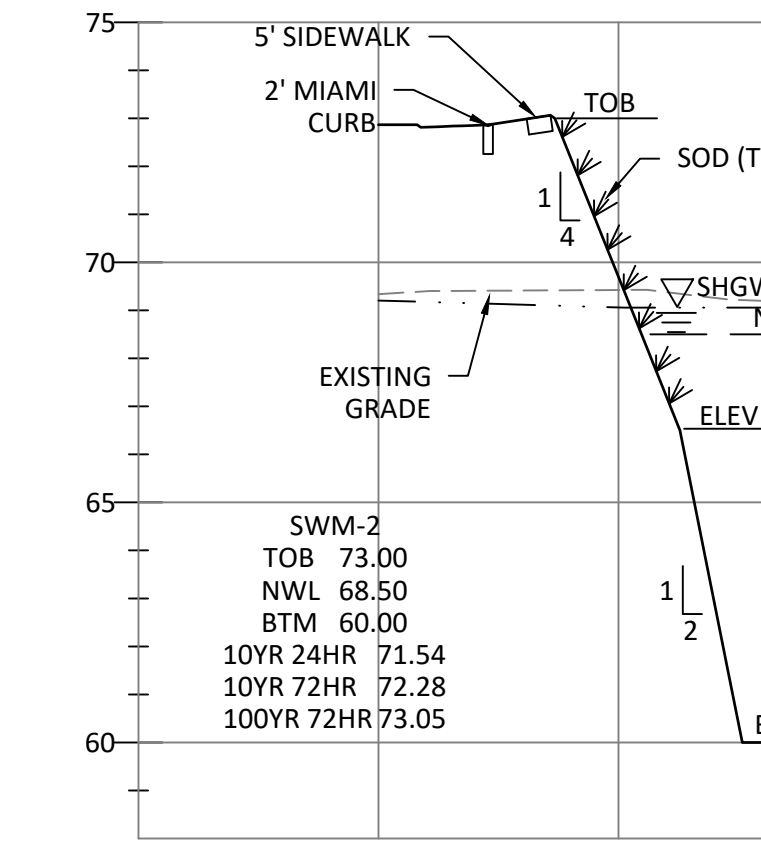
SECTION 'I-I'

HORZ 1"=40'
VERT 1"=4'



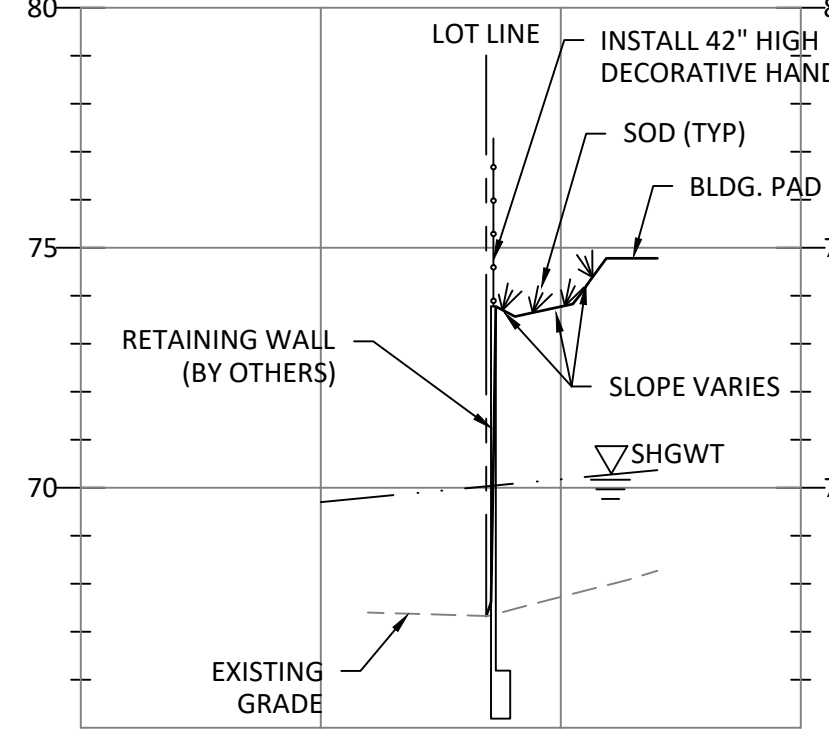
SECTION 'G-G'

HORZ 1"=40'
VERT 1"=4'



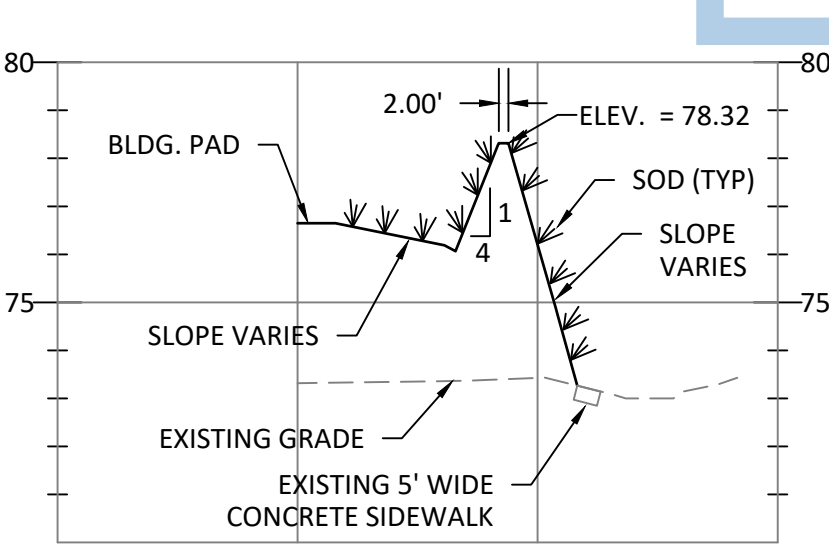
SECTION 'J-J'

HORZ 1"=40'
VERT 1"=4'



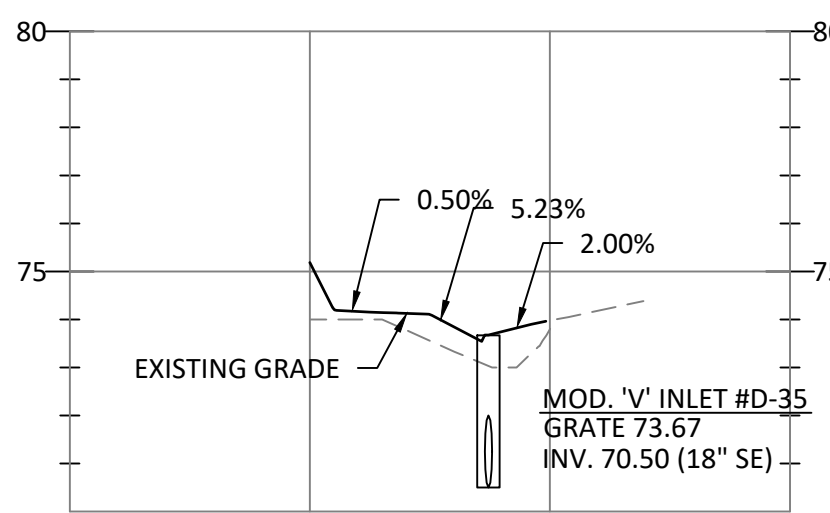
SECTION 'H-H'

HORZ 1"=40'
VERT 1"=4'



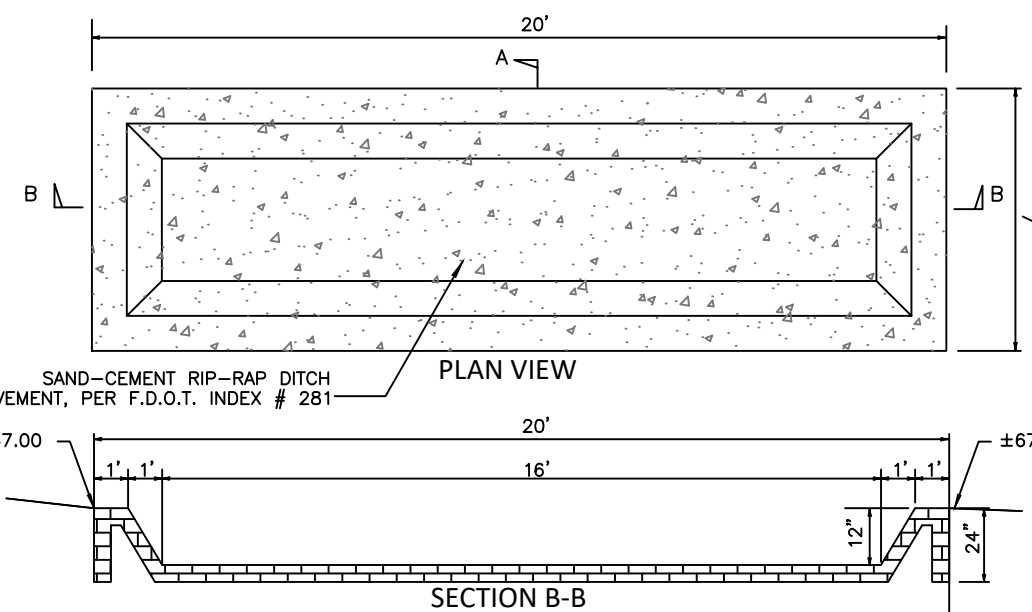
SECTION 'K-K'

HORZ 1"=40'
VERT 1"=4'

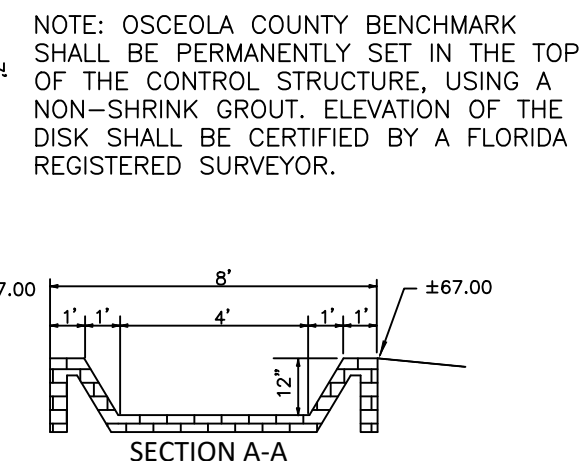


SECTION 'L-L'

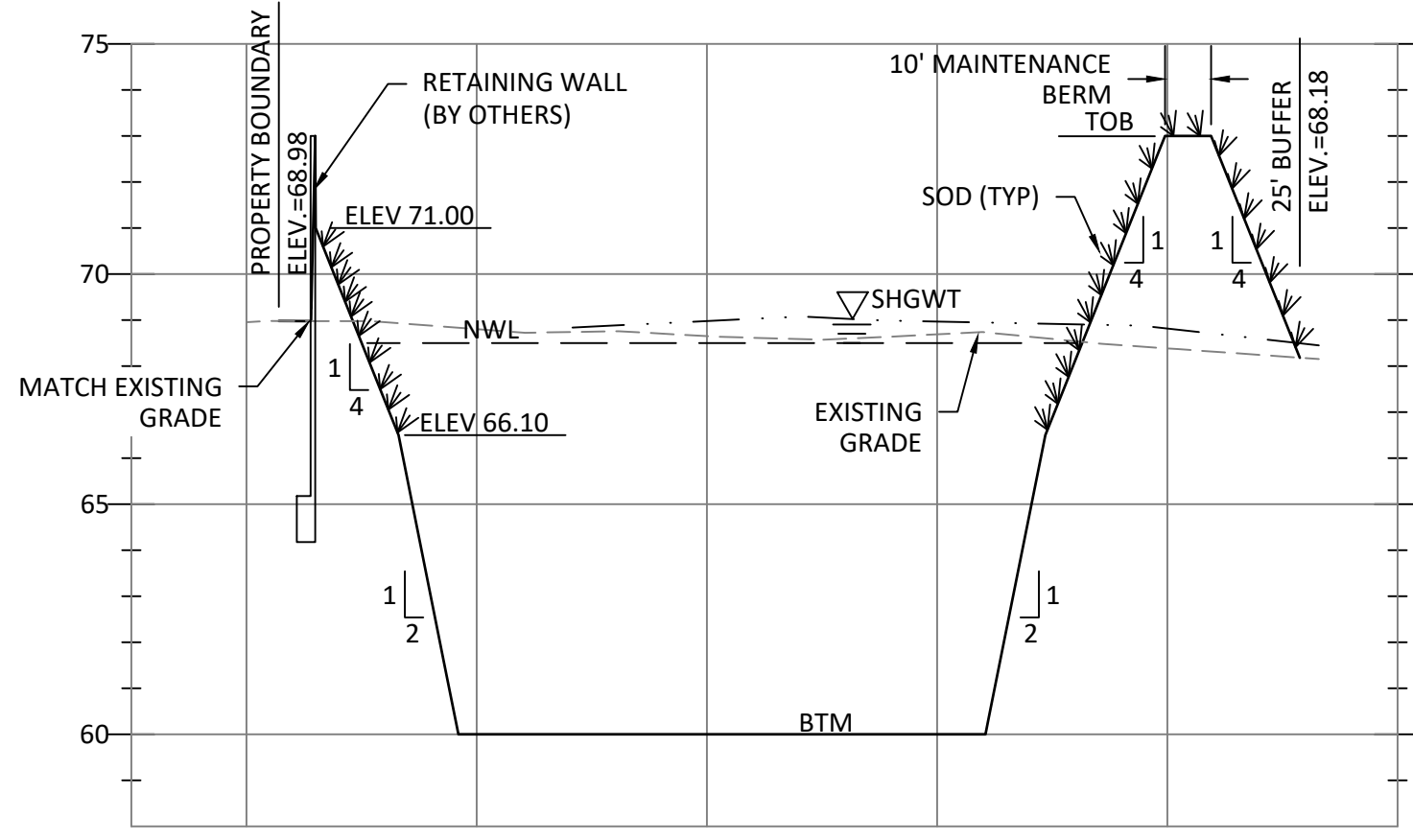
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VERT 1"=4'



SPREADER SWALE

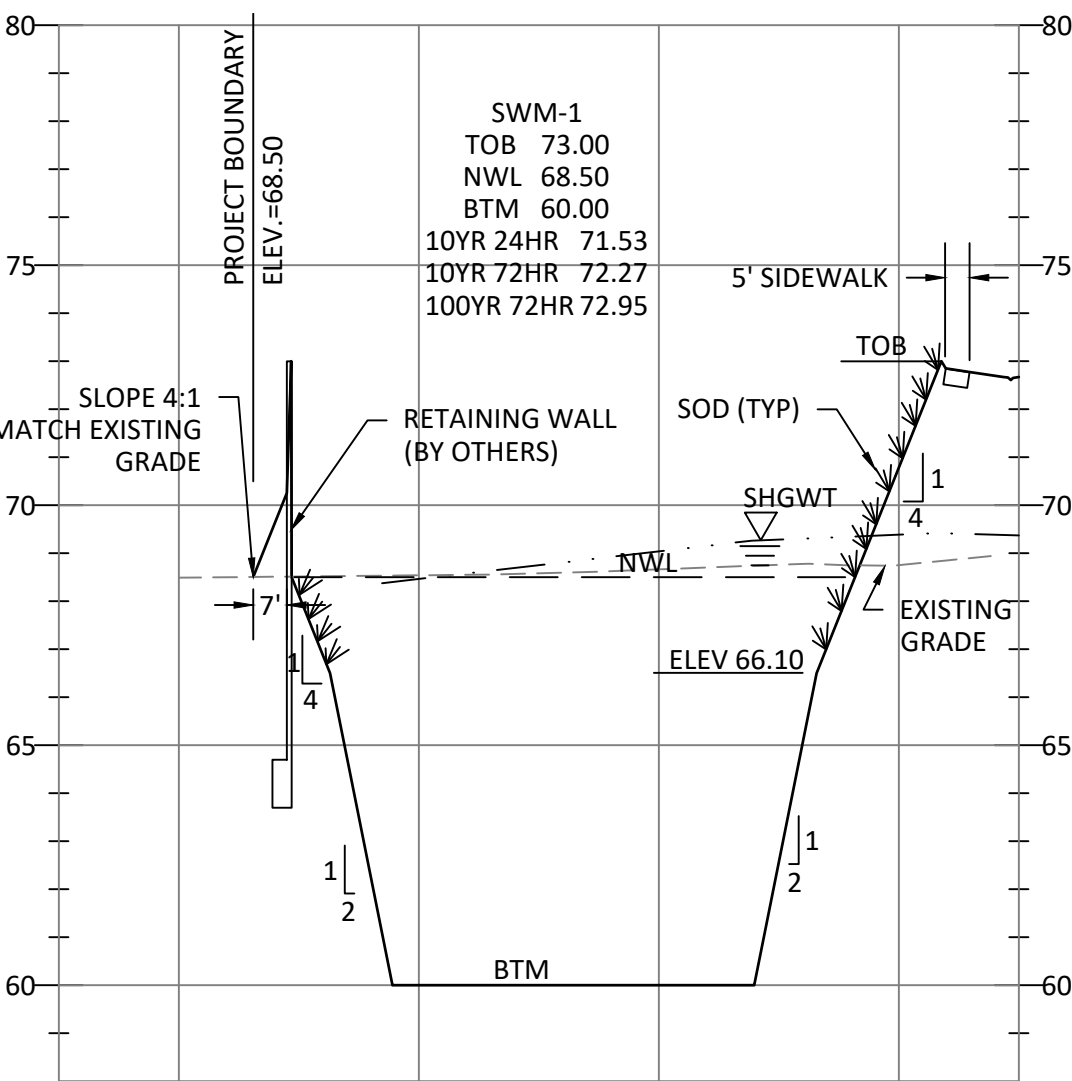


NOTE: OSCEOLA COUNTY BENCHMARK SHALL BE PERMANENTLY SET IN THE TOP OF THE CONTROL STRUCTURE, USING A NON-SHRINK GROUT. ELEVATION OF THE DISK SHALL BE CERTIFIED BY A FLORIDA REGISTERED SURVEYOR.



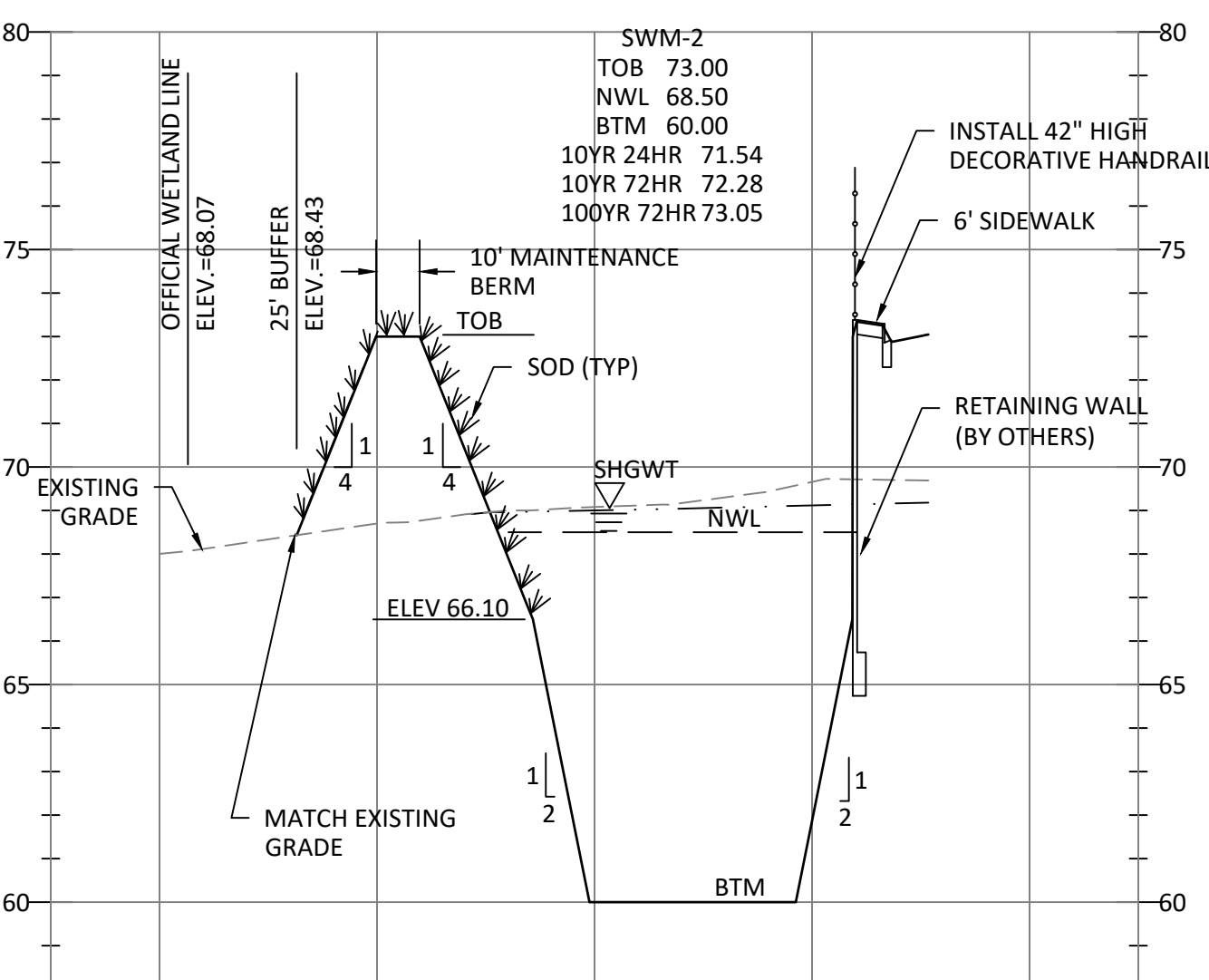
SECTION 'M-M'

HORZ 1"=40'
VERT 1"=4'



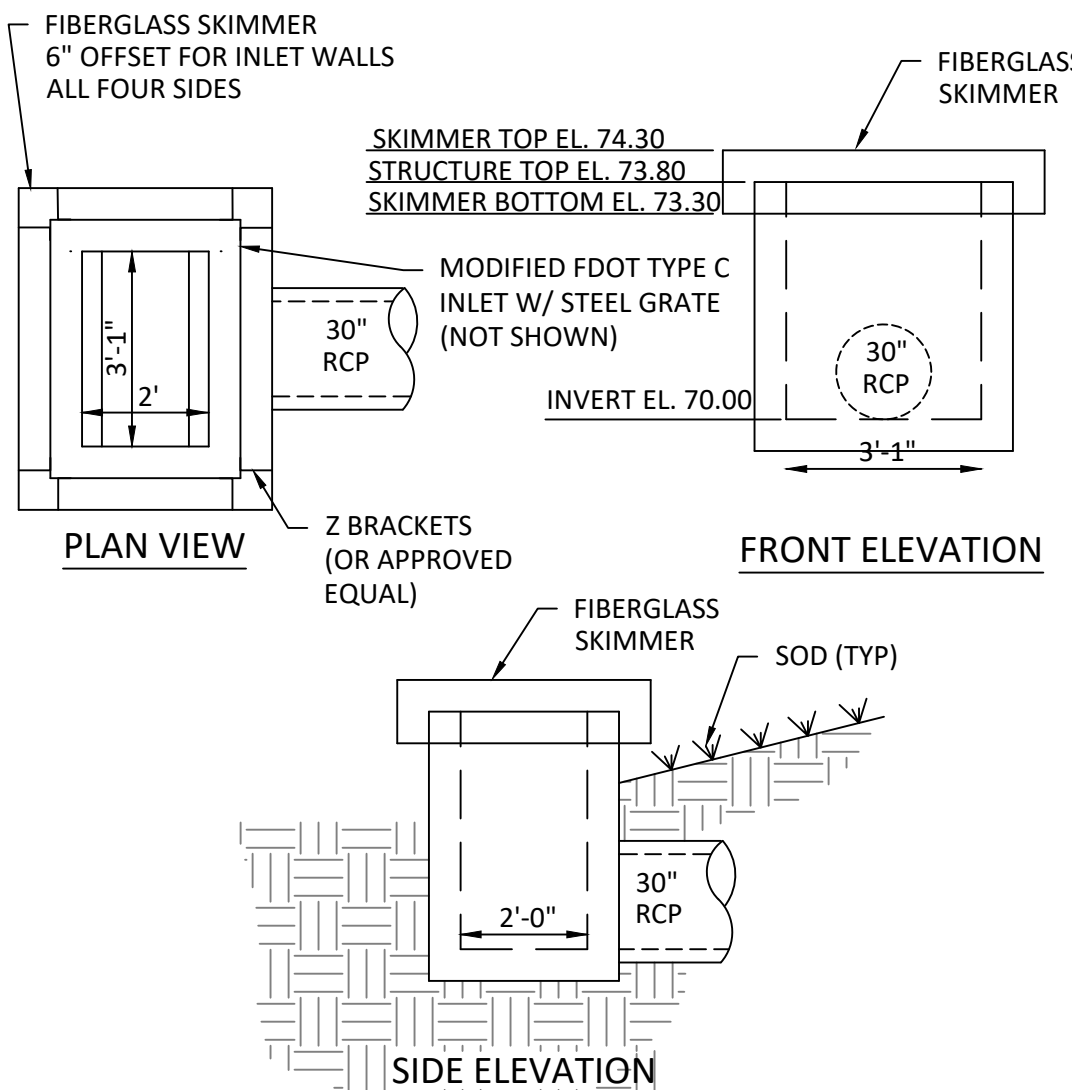
SECTION 'D-D'

HORZ 1"=40'
VERT 1"=4'

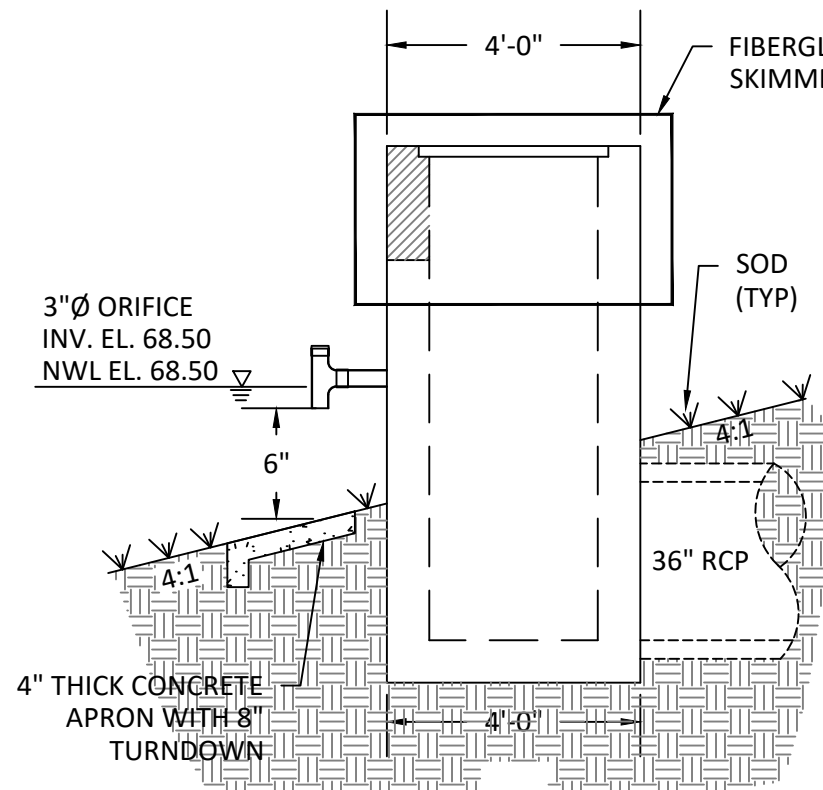


SECTION 'E-E'

HORZ 1"=40'
VERT 1"=4'



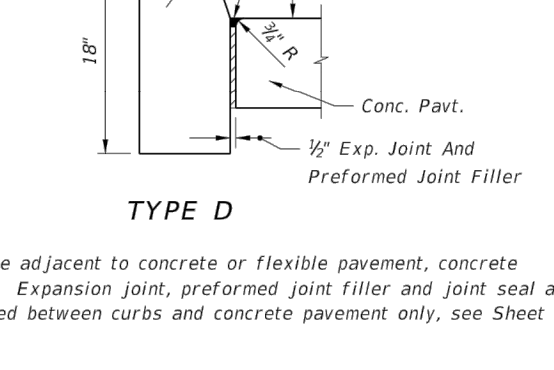
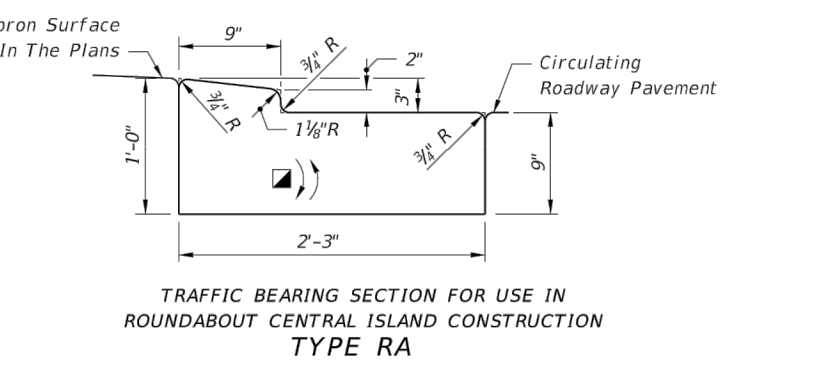
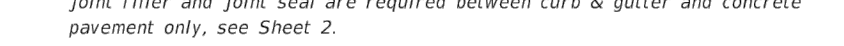
OUTFALL STRUCTURE CS-2
MODIFIED TYPE 'C' INLET
NTS



OUTFALL STRUCTURE CS-1
MODIFIED TYPE 'H' INLET
NTS

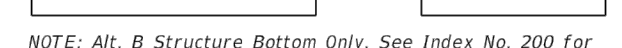
Rev.	Date	Description	Chk By
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2	03/28/19	PER COUNTY COMMENTS	XJG
3	02/05/19	PER COUNTY COMMENTS	XJG





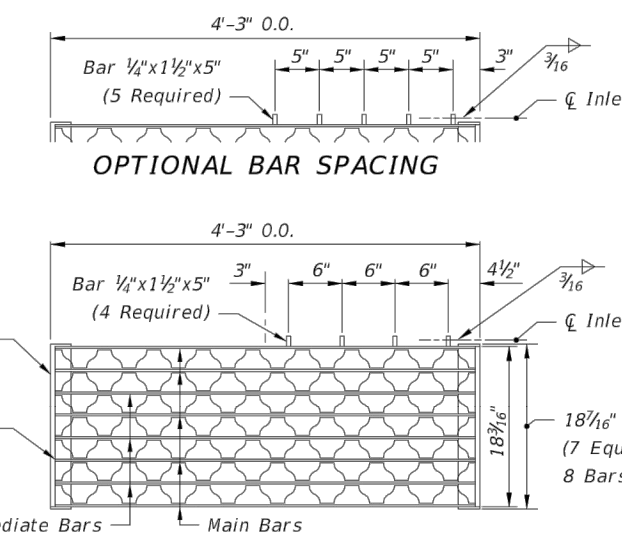
Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet

CONCRETE CURB AND GUTTER

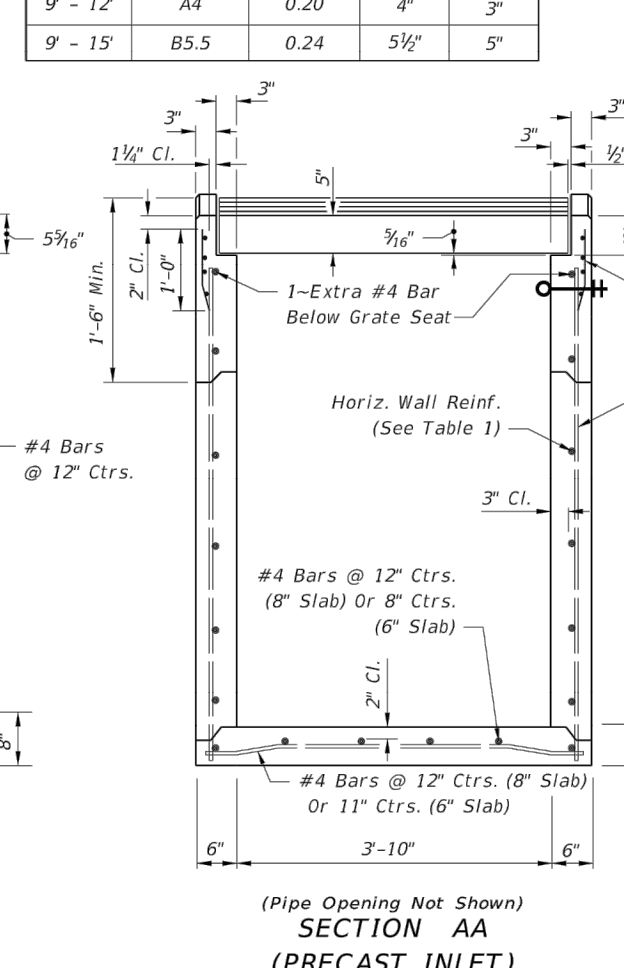
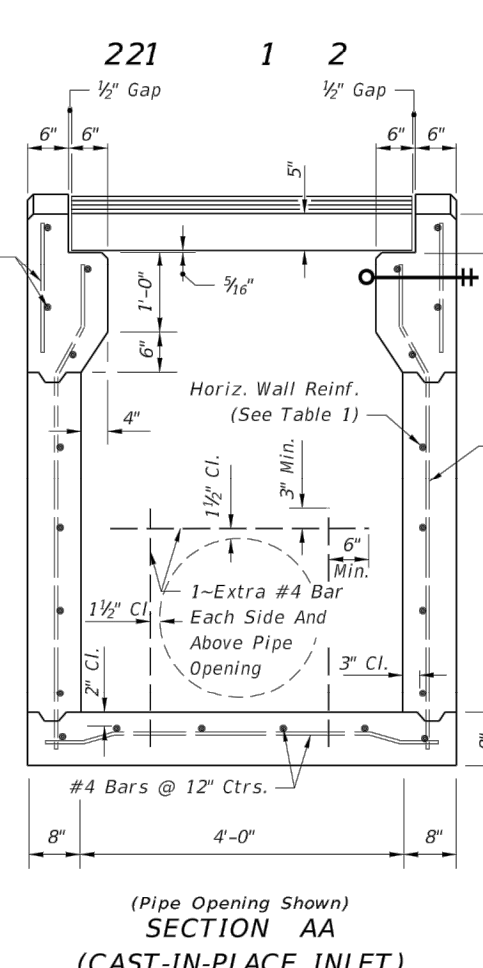
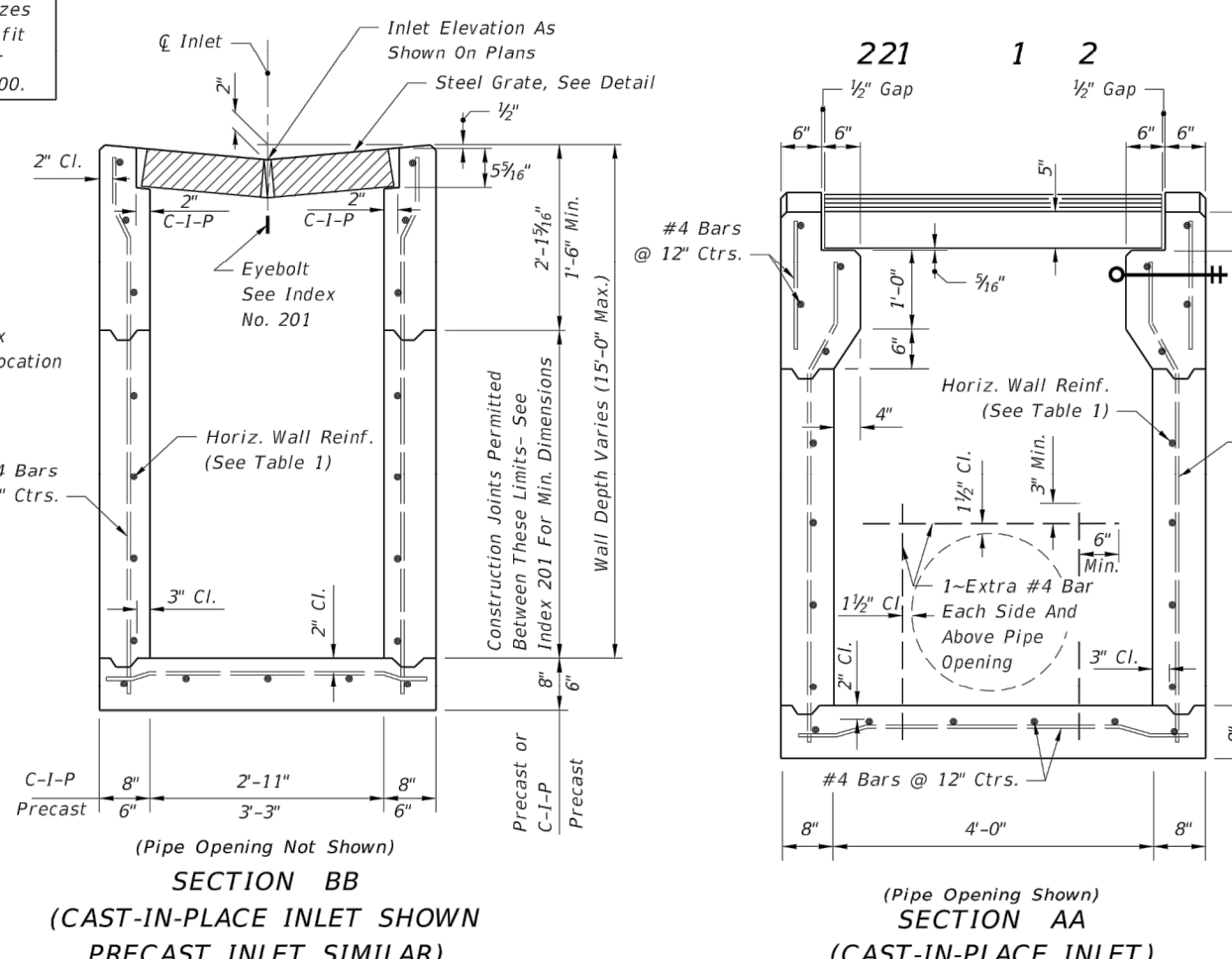
[illegible]

RECOMMENDED MAXIMUM PIPE SIZES	
Inlet Inside Width	Pipe Size
2'-11" Or 3'-3"	24"
4'-0" Or 3'-10"	30"

Note: Recommended sizes are for concrete pipe. Sizes for other types of pipe must be verified for fit in accordance with Index No. 201. For larger pipe see bottom detail above and Index No. 200.



5' Steel Grate: Main Bars 5"x $\frac{1}{4}$ "
Intermediate Bars 1 $\frac{1}{2}$ "x $\frac{1}{4}$ "

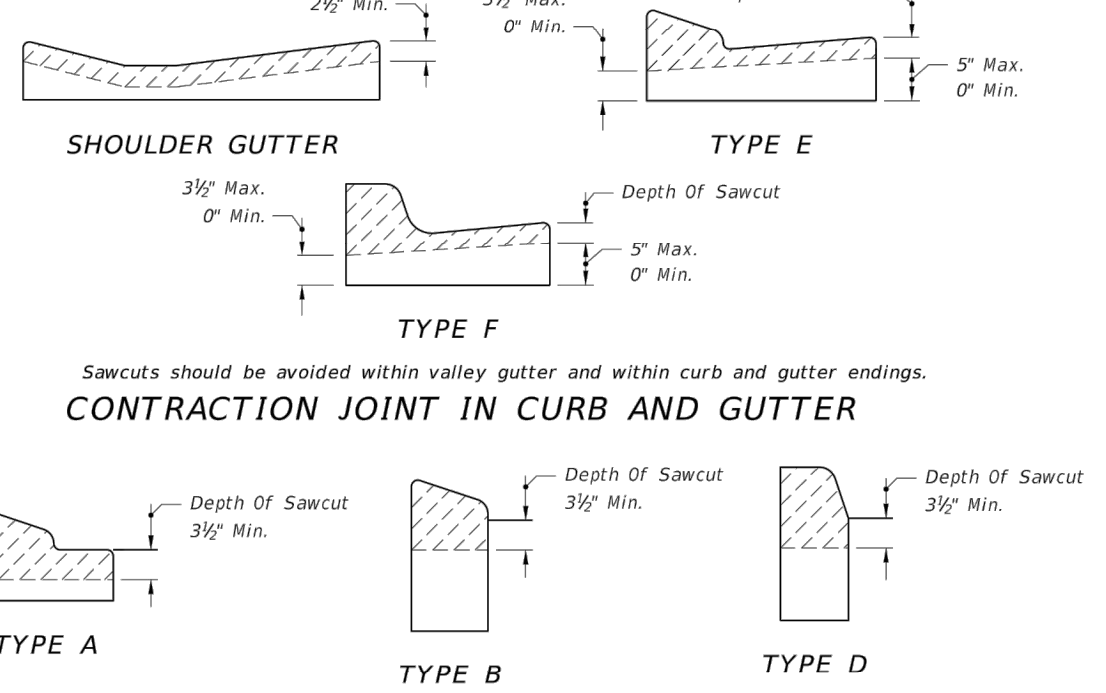
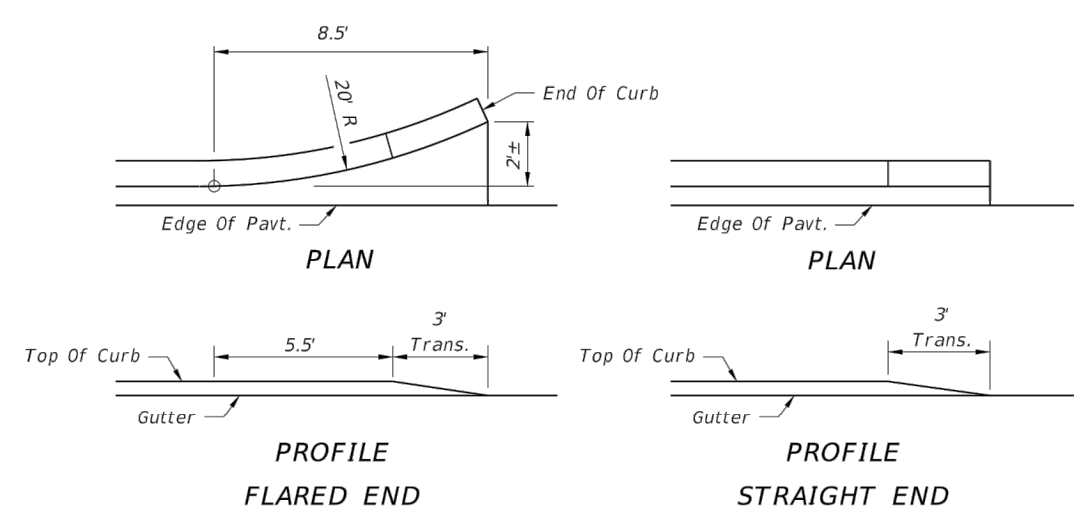


GENERAL NOTES

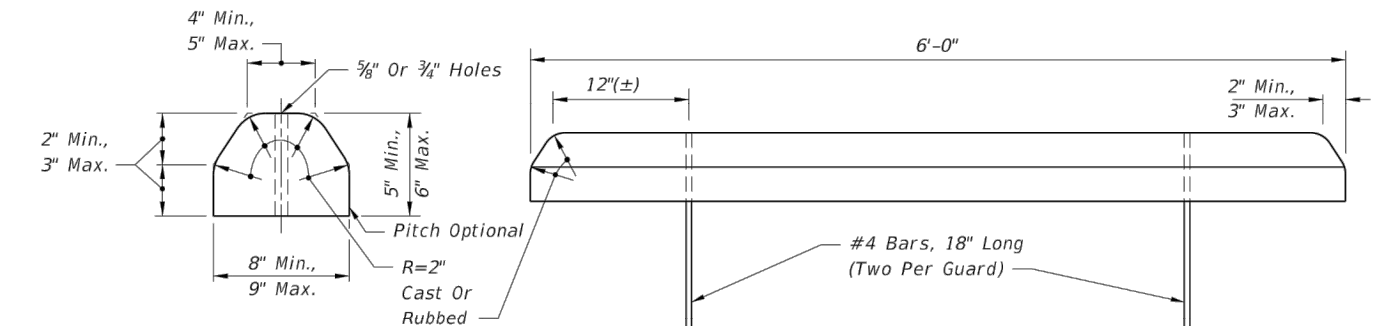
1. This inlet is suitable for village swales, ditches, or other areas subject to heavy wheel loads, minimum debris. This inlet may be placed in areas subject to occasional pedestrian traffic; such as landscaped areas and pavement areas where pedestrians can walk around the inlet. This inlet is not for use in a bicycle way.
2. When alternate "G" grade is specified in plans, the grate is to be hot dip galvanized after fabrication.
3. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. See Index No. 201 for equivalent area of welded wire fabric. Cut or bend bars out of way of pipe to clear pipe 15'.
4. All exposed edges and corners shall be 3/4" chamfer or tooled to 3/4" radius.
5. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
6. For supplementary details see Index No. 201.

HORIZONTAL WALL REINFORCING SCHEDULE (TABLE 1)

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	W/F
0' - 5'	A12	0.20	12"	8"
5' - 9'	A6	0.20	6"	5"
9' - 12'	A4	0.20	4"	3"
0' - 15'	B5.5	0.24	5½"	5"



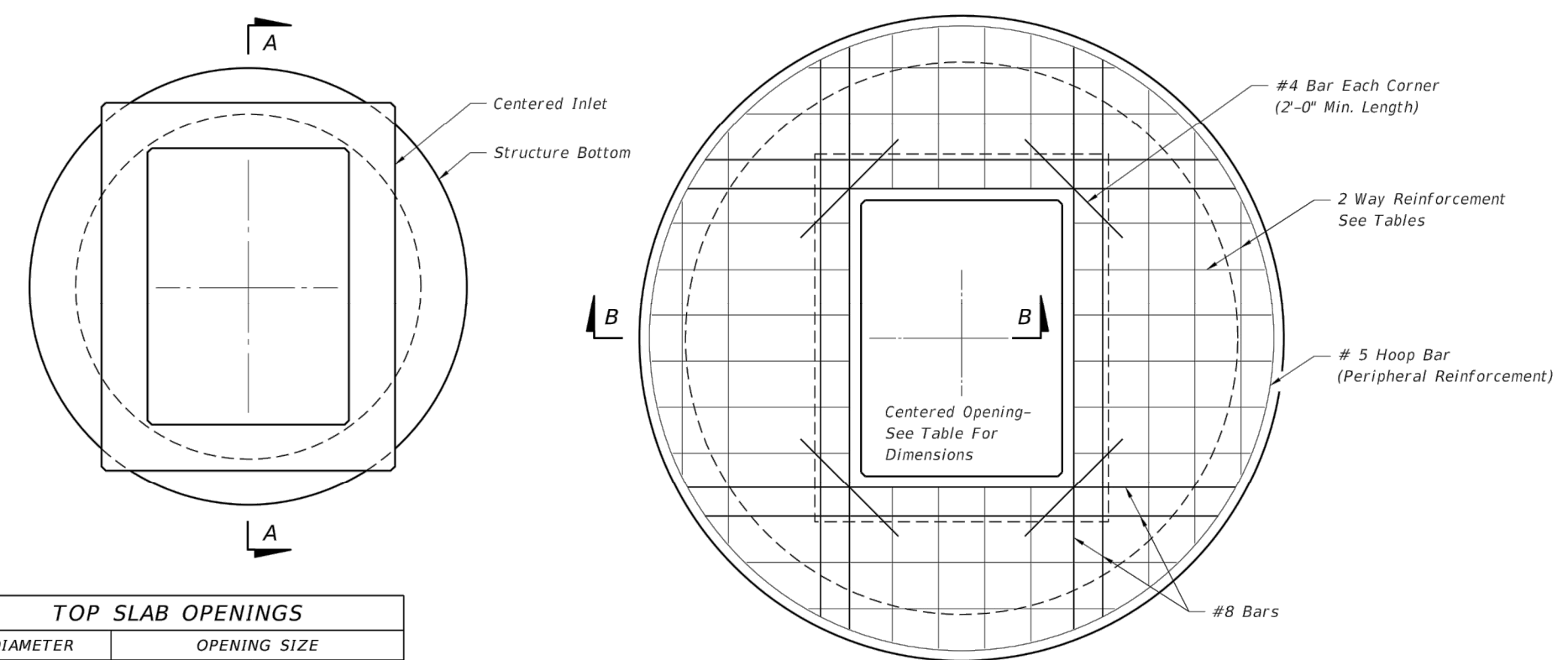
**CURB AND GUTTER AND TYPE A CURB
ADJACENT TO FLEXIBLE PAVEMENT**



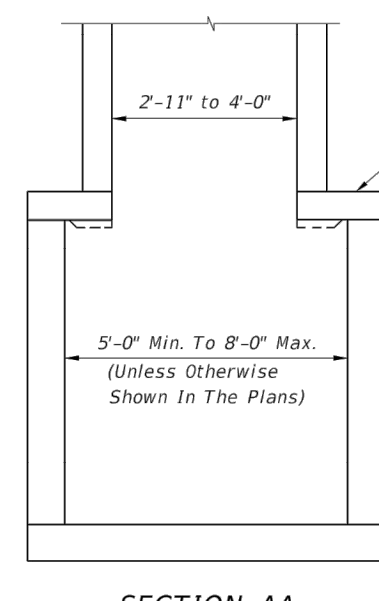
ASPHALTIC CONCRETE CURB

GENERAL NOTES

1. For curb, gutter and curb & gutter provide $\frac{1}{8}" - \frac{1}{4}"$ contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat centers are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Section 520 of the Standard Specifications.
2. Ends of Curbs Types B and D shall transition from full to zero heights in 3'.

[illegible]

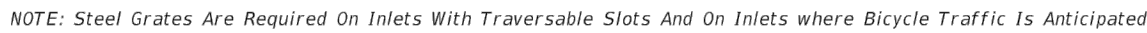
TOP SLAB OPENINGS		
DIAMETER	OPENING SIZE	
	MIN.	MAX.
5'-0" TO 8'-0"	2'-11" x 4'-0"	3'-3" x 3'-10"



ALT. A STRUCTURE BOTTOM FOR INLET TYPE V

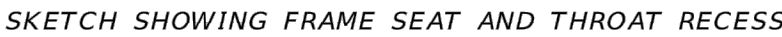
TOP SLAB REINFORCING SCHEDULE	
SCHEDULE	GRADE 60 (BAR) OR 65 KSI & 70 KSI (WIRE FABRIC) In.²/ft.
A	0.20
B	0.24
C	0.37
D	0.53
E	0.73
F	1.06
G	1.45

TOP SLAB WITH CENTERED OPENING		
SLAB DEPTH	SLAB THICKNESS	REINFORCING (2 WAY'S) SCHEDULE
SIZE: 5'-0"		
≥0.5' <30"	9½"	C
30"-40"	9½"	D
SIZE: 6'-0"		
0.5' < 8'	9½"	B
8' < 18"	9½"	C
18' < 30"	9½"	D
30' < 37"	9½"	E
37"-40"	9½"	G
SIZE: 8'-0"		
≥0.5' < 9'	11½"	C
9' < 15"	11½"	D
15' < 23"	11½"	E
23' < 33"	11½"	E
33"-40"	11½"	G

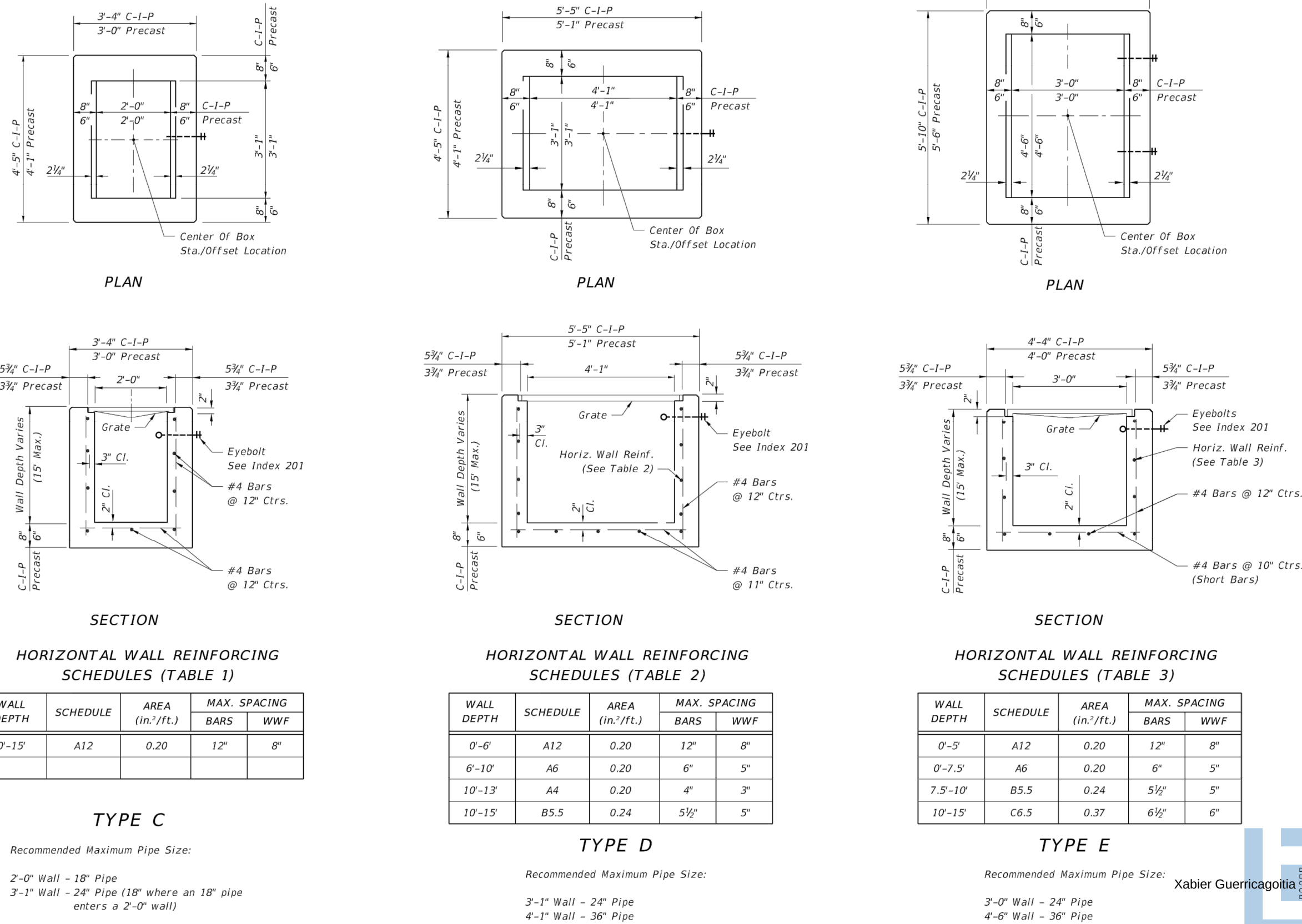


- | | | |
|---|--|---|
| <p>1. These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet.</p> <p>2. Inlets subject to minimal debris should be constructed without slots. Where debris is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and areas subject to pedestrians shall have traversable slots. The traversable slot modification is not adaptable to Inlet Type H. Slots may be constructed at either or both ends as shown on plans. Traversable slots shall not be used in areas subject to occasional bicycle traffic.</p> <p>3. Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with</p> | <p>non-traversable slots. Subject to the selection described above, when Alternate G grate is specified in the plans, either the steel grate, hot dip galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.</p> <p>4. Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.</p> <p>5. All exposed edges and corners shall be $\frac{1}{4}$" chamfer or toolled to $\frac{1}{4}$" radius.</p> <p>6. Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans; but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.</p> <p>7. Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and method of payment see "TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS".</p> | <p>8. Soding to be used on all inlets not located in paved areas and paid for under contract unit price for Performance Turf, SY.</p> <p>9. For supplementary details see Index No. 201.</p> <p>10. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1½" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.</p> |
|---|--|---|

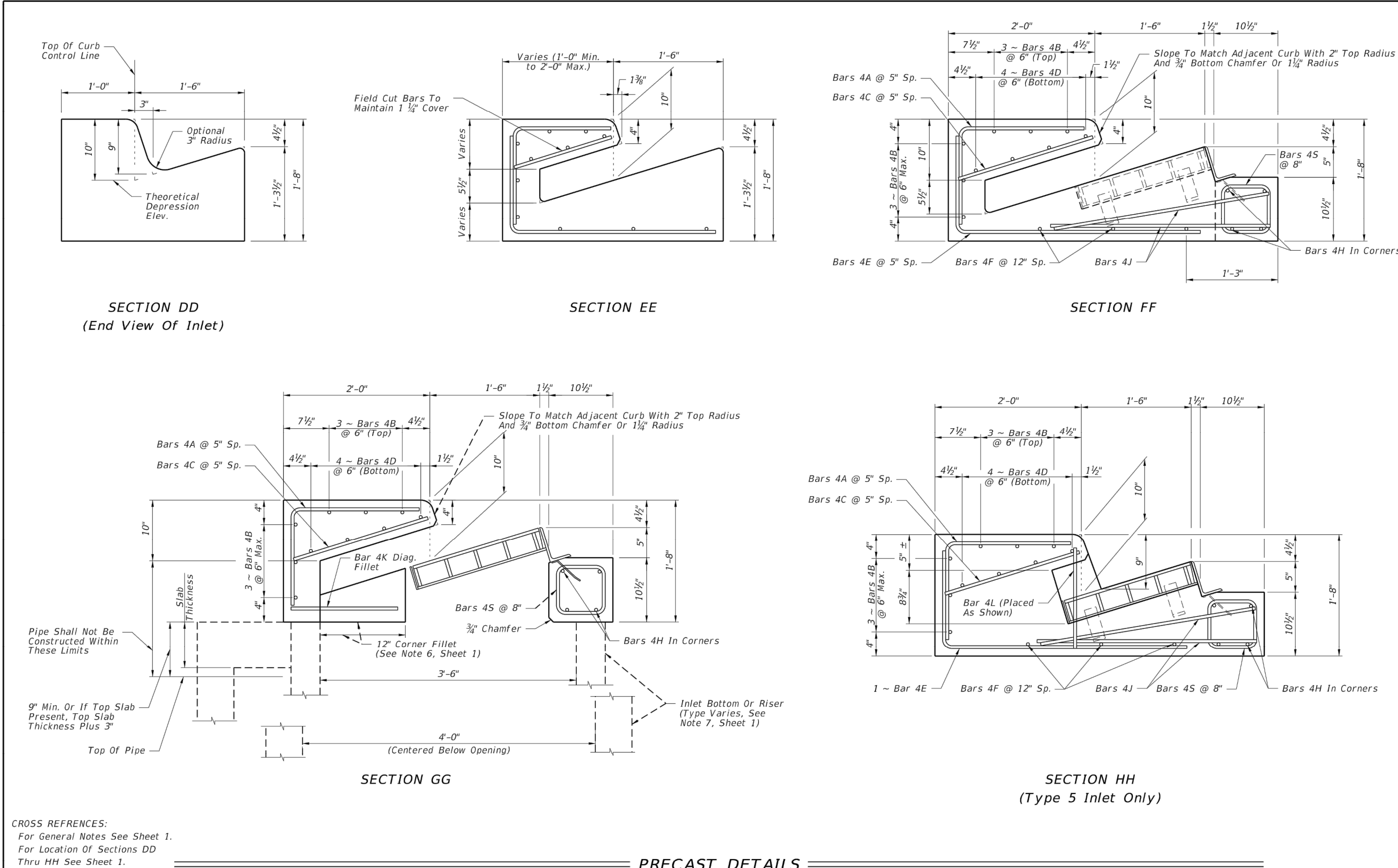
LAST REVISION 07/01/10	DESCRIPTION:	 FY 2017-18 DESIGN STANDARDS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX NO. 232	SHEET NO. 3 of 7
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LAST REVISION 11/01/16	DESCRIPTION:	 FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	INDEX NO. 211	SHEET NO. 1 of 5
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LAST REVISION 11/01/16	DESCRIPTION:	 FY 2017-18 DESIGN STANDARDS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX NO. 232	SHEET NO. 1 of 7
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LAST REVISION 07/01/12	DESCRIPTION:	 FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	INDEX NO. 211	SHEET NO. 2 of 5
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Figure 10: Reinforcement details for a flat slab. The diagram shows a cross-section and a plan view of a slab. The cross-section shows a 1'-4" total height with 2 5/8" spacing for reinforcement bars. The plan view shows a grid of reinforcement bars with dimensions: 1'-9" total width, 2 5/8" spacing, 2 3/4" edge width, 5'-7 1/2" total length, 24 5/8" spacing, 4" edge width, 4'-7 1/2" total length, 2 3/4" edge width, 5'-7 1/2" total length, 37 5/8" spacing, 4" edge width, and 2 3/4" edge width. Notes include: "Cut Horizontal Bars As Shown To Allow Field Bending Of Mat", "Field Bond Horizontal Bars In Vertical Face", "Outline Of Top Slab", "End Of Type 6 Top", "Cut Dotted Portion Of Mat As Required To Maintain Cover", and "WWR Symmetrical About $\bar{C}$ For Type 6".

[illegible]

Diagram illustrating a corner connection detail. The vertical plate is labeled *D17.2 Or W18.5 (Typ.)*. The height dimension is indicated as $h/4$.

LAST REVISION 07/01/13	REVISION	DESCRIPTION:
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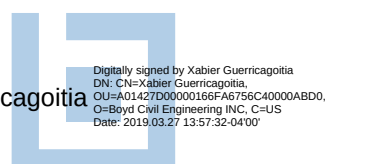
	FY 2017-18 DESIGN STANDARDS	
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LAST REVISION 07/01/13	REVISION	DESCRIPTION:
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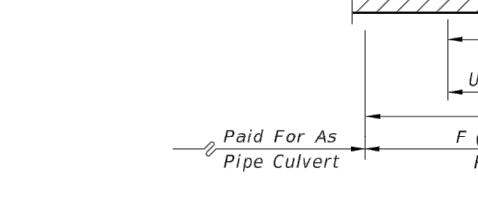
Diagram of BAR 4S showing dimensions: 4" (Typ.) width, 6" height, 6" width, 1'-9" length, and 4 1/2" height. It also shows a detail of the field cut with a note: "Field Cut As Required To Maintain Cover (1'-0" Max.)".

1. All bar dimensions in the bending diagrams are out to out.
2. Bars 4A and 4E may be combined into a single bar.
3. Welded Wire Reinforcement consists of Smooth or Deformed wire meeting the requirements of Specification Section 931.

Diagram of a 4F RAR (Right Angle Rail) showing dimensions: 1/2 inch width, 1 inch height, 3 inch length, and a note "Field Cut As Required To Maintain Cover (1'-0" Max.)".



		D	X	A	B	C
1/2 Slope	15°	2-7	1.92	2.18	4.1	4.7
	18°	2-10	1.94	2.74	4.7	5.9
	3° 35'	2-06	2.06	2.75	5.9	7.1
	30°	4-3	2.15	2.95	7.1	8.3
	36°	5-1	2.25	3.06	8.3	9.5
	42°	6-0	2.34	3.17	9.5	10.7
	48°	6-9	2.44	3.33	10.7	11.9
	54°	7-8	2.52	3.44	11.9	13.1
	60°	8-6	2.62	3.56	13.1	14.3
	66°	9-2	2.71	3.68	14.3	15.6
1/4 Slope	12°	1-0	2.80	3.20	15.6	16.8
	15°	1-7	2.89	3.32	16.8	17.9
	18°	2-10	2.96	3.43	17.9	19.1
	24°	3-5	2.93	3.18	19.1	20.3
	30°	4-3	3.02	3.29	20.3	21.5
	36°	5-1	2.87	3.38	21.5	22.7
	42°	6-0	3.05	3.37	22.7	23.9
	48°	6-9	3.02	3.25	23.9	25.1
	54°	7-8	3.39	3.49	25.1	26.2
	60°	8-6	3.56	3.59	26.2	27.4
	66°	9-2	3.77	3.62	27.4	28.6
	72°	10-0	3.91	3.68	28.6	29.8



LAST REVISION 11/01/16	REVISION	DESCRIPTION:
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THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFICIENCIES IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS FOR DOES IT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS. THAT IS NOT CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JUDICIAL ACTIONS OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS APPROVAL. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

NOT VALID WITHOUT AN ACTIVE CONSTRUCTION PERMIT

GENERAL NOTES

1. Cross Slopes and Grades:

- A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this index are maximums. Steeper slopes are not permitted unless otherwise detailed in the Plans.
- B. Landings must have slopes less than or equal to 0.02 in any direction.
- C. Install ramp slopes along a single linear plane (i.e. no warps or varying slope)

2. Grade Breaks:

- Grade breaks at the top and bottom of ramps must be parallel to each other and perpendicular to the direction of the ramp slope.

3. Existing Curb, Curb and Gutter and/or Sidewalk:

- A. Remove any existing curb or curb and gutter to the nearest joint beyond the curb transition or to the extent that no remaining section of curb or curb and gutter is less than 5 feet long. Remove any existing sidewalk to the nearest joint beyond the transition slope or to the extent that no remaining section of sidewalk is less than 5 feet long.

- B. Refer to Index 310 for Concrete Sidewalk details.

4. Curb Ramp Alpha-Identification:

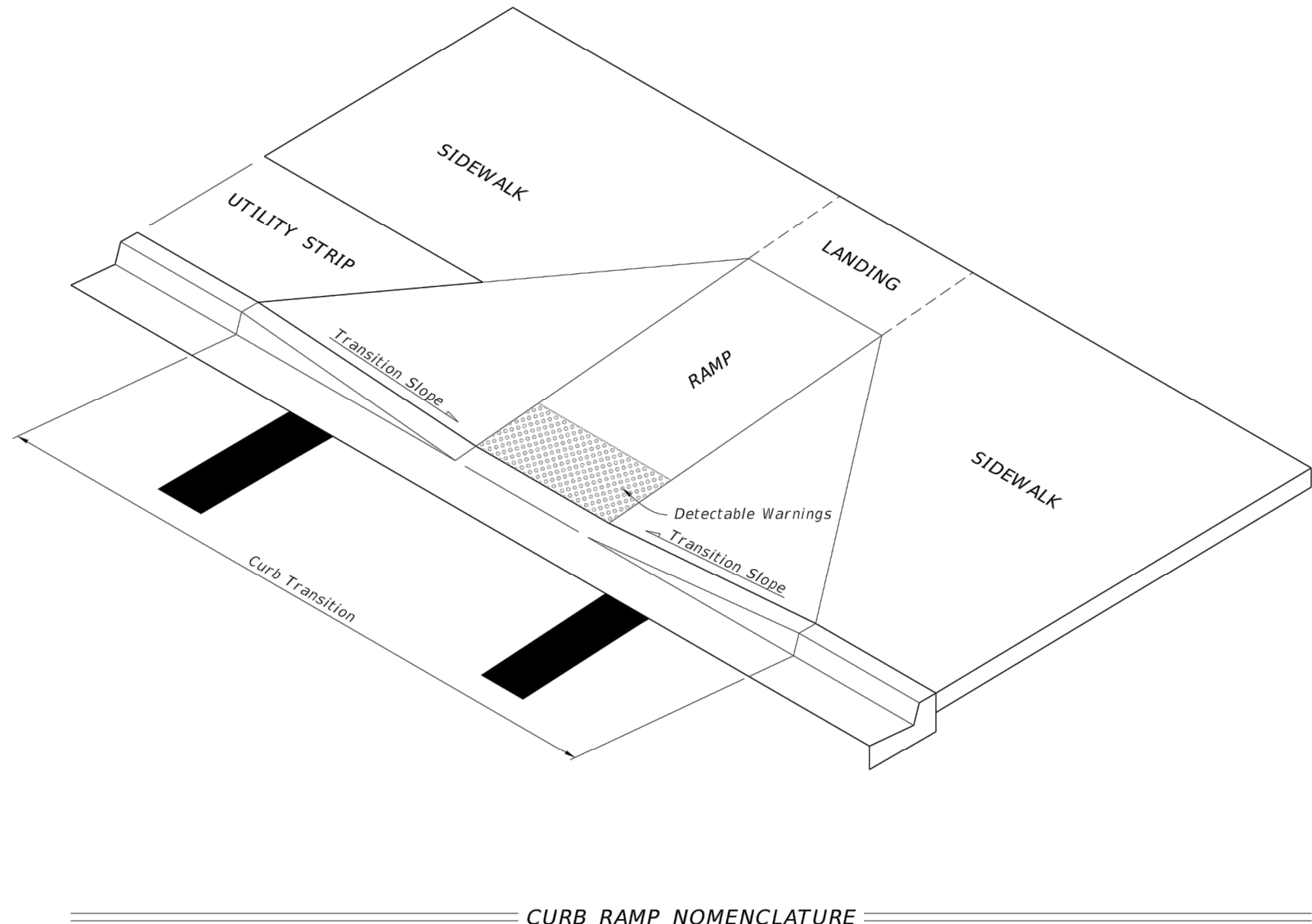
- A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
- B. Alpha-identifications CR-I and CR-J are intentionally omitted.

5. Detectable Warnings:

- A. Install detectable warnings in accordance with Specification Section 527.
- B. Place detectable warnings across the full width of the ramp or landing, to a depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
- C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.

6. Detectable Warnings - Acceptance Criteria:

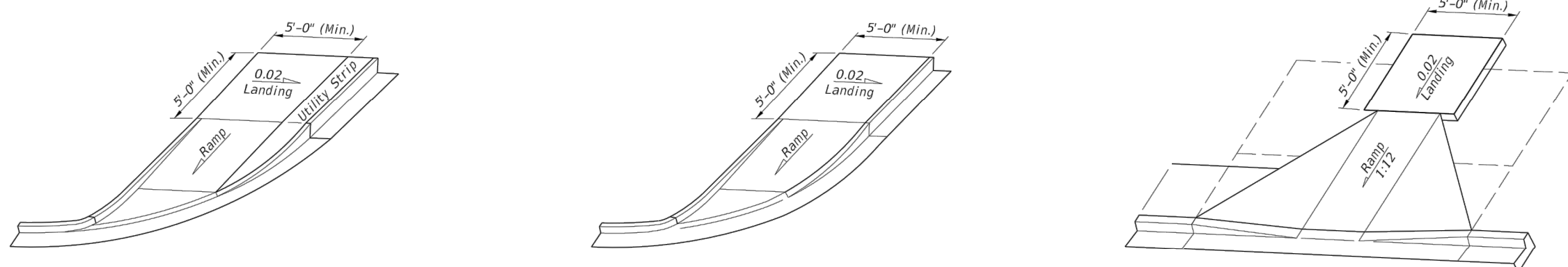
- A. Color and texture shall be complete and uniform.
- B. 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
- C. There shall be no more than 4 non-compliant domes in any one square foot.
- D. Non-compliant domes shall not be adjacent to other non-compliant domes.
- E. Surfaces shall not deviate more than 0.10" from a true plane.



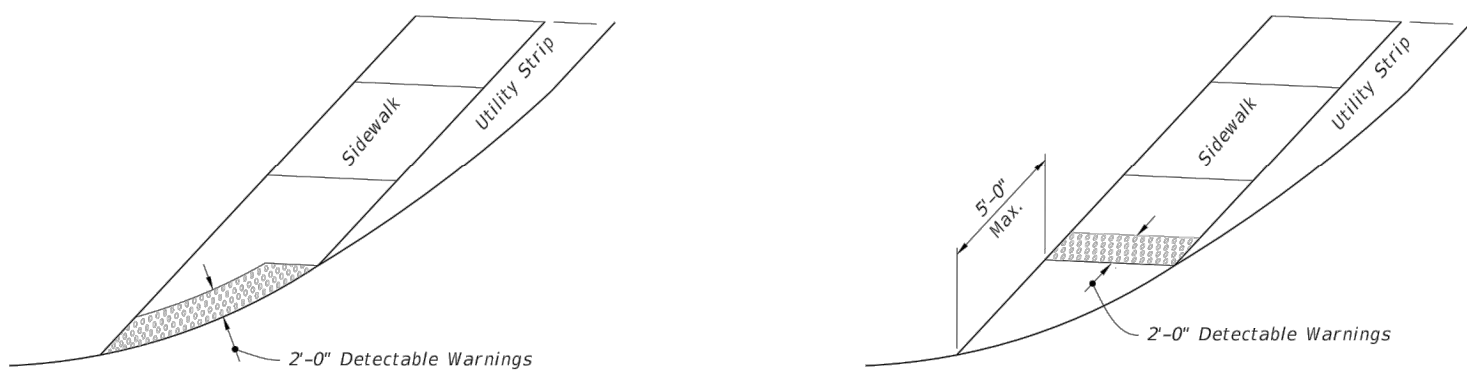
CURB RAMP NOMENCLATURE

10/27/2016 8:58:34 AM

LAST REVISION	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX NO.	SHEET NO.
11/01/16				304	1 of 8



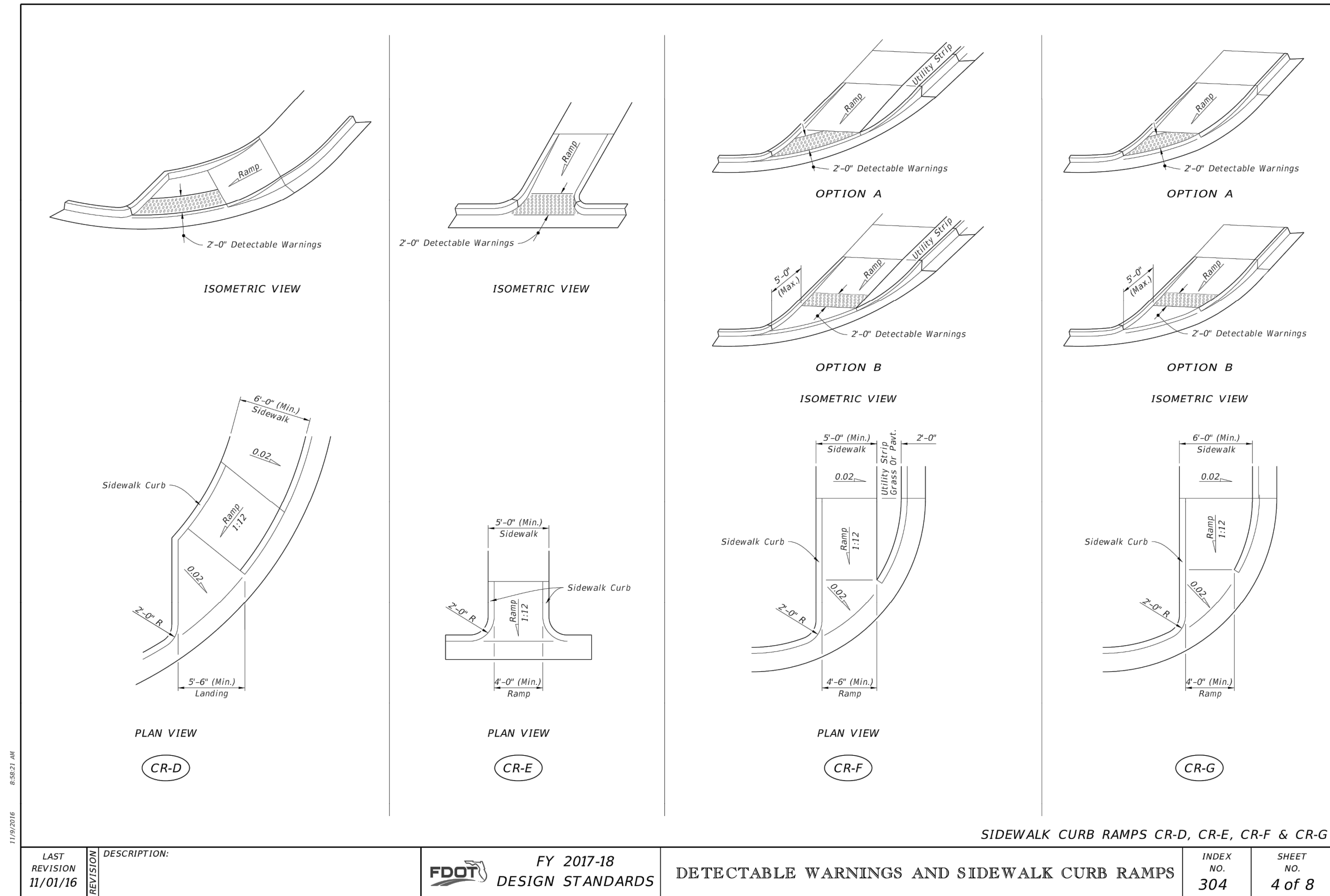
LANDINGS FOR CURB RAMP WITHOUT SIDEWALKS
(See CR-F, CR-G & CR-K Respectively For Detectable Warning Details/Options)



DETECTABLE WARNING ON FLUSH SHOULDER SIDEWALKS

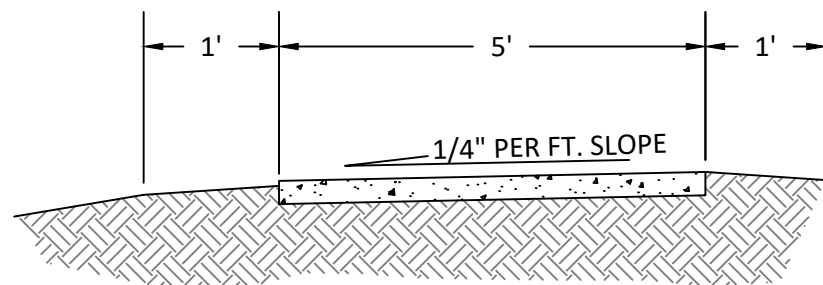
LAST REVISION	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX NO.	SHEET NO.
11/01/16				304	6 of 8

CURB RAMP WITHOUT SIDEWALKS AND FLUSH SHOULDER SIDEWALKS



SIDEWALK CURB RAMP CR-D, CR-E, CR-F & CR-G

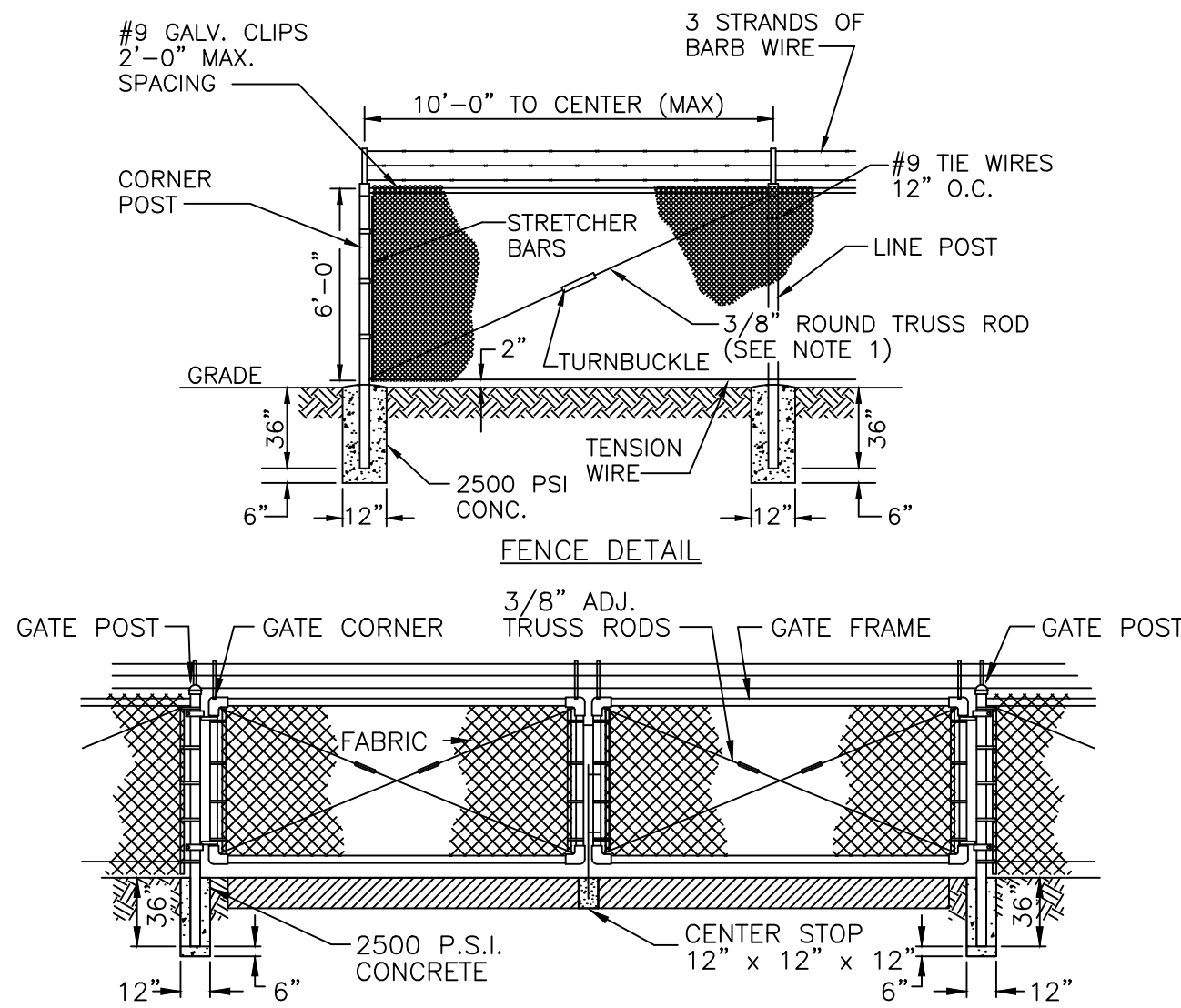
LAST REVISION	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX NO.	SHEET NO.
11/01/16				304	4 of 8



SIDEWALK DETAIL
NTS

CONCRETE SIDEWALK
4" THICK 3000 PSI CONCRETE WITHOUT REINFORCEMENT PROVIDE 3/4" SAWCUTS AT 5' CENTERS, TYPICAL (NO FIBERMESH)

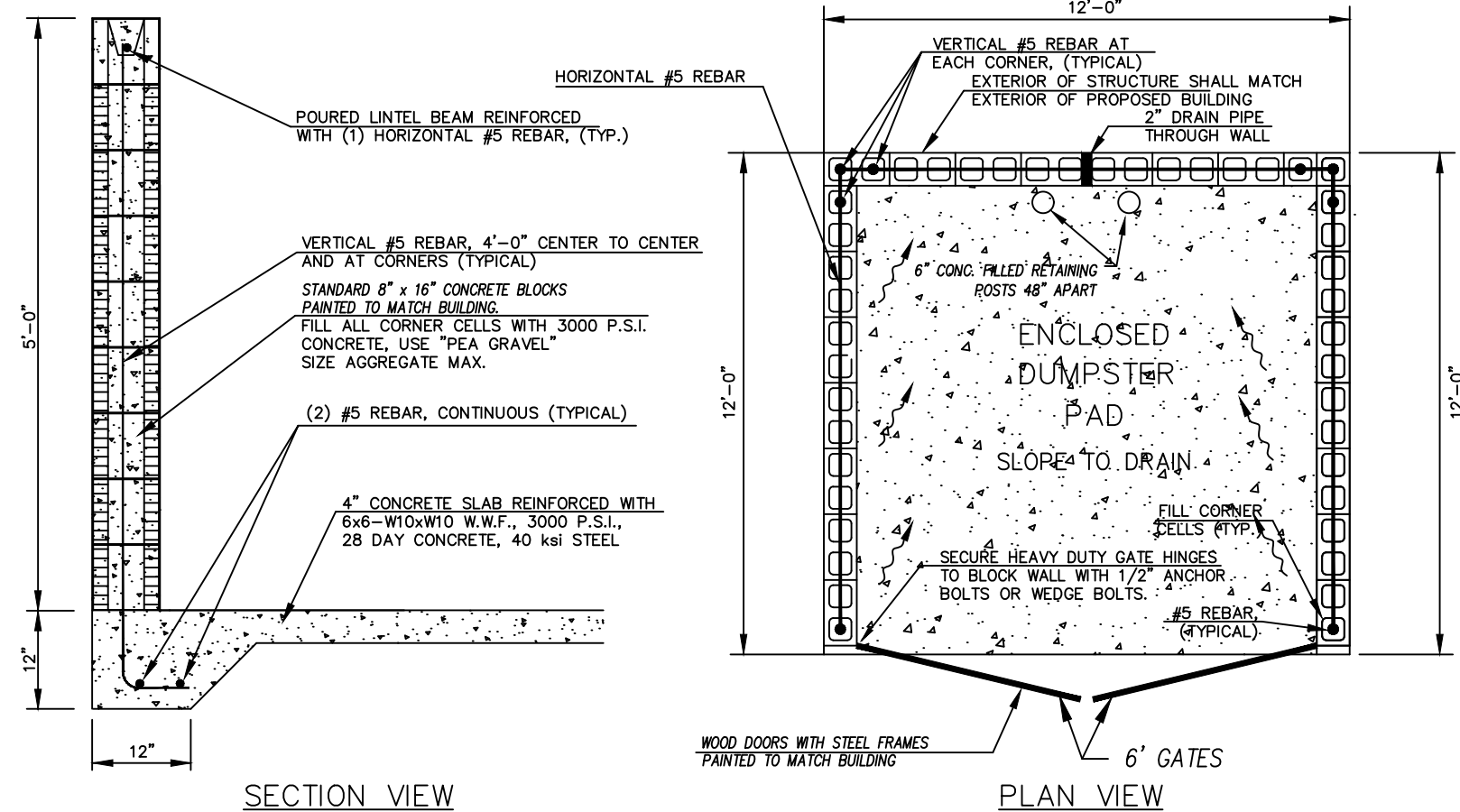
Xabier Guerricagotia



DOUBLE SWING GATE DETAIL

NOTES:
1. TRUSS BARS ARE REQUIRED FOR EACH GATE SECTION AND THE FIRST SPAN ON EACH SIDE OF A CORNER POST ONLY.

CHAIN LINK FENCE DETAIL
N.T.S.



SECTION VIEW

PLAN VIEW

DUMPSTER DETAIL
N.T.S.

1

Rev.	Date	Description	Chk By
1	02/05/19	PER COUNTY COMMENTS	XJG

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE OSCEOLA COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFECTS IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULT IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS. DOES IT RELIEVE THE DEVELOPER OF THE OBLIGATION TO COMPLY WITH ALL REQUIREMENTS. ALL INFORMATION AND DETAILS THAT MAY BE INCLUDED WITHIN THESE DRAWINGS THAT ARE CONSIDERED UNDER THE PREVIEW AND AUTHORITY OF JURISDICTION OTHER THAN OSCEOLA COUNTY IS NOT PART OF THIS SPECIFIC APPROVAL. APPROVAL IS VALID FOR A PERIOD OF THREE YEARS FROM THE DATE STAMPED.

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Luminaire Schedule								
Symbol	Label	Quantity	Catalog Number	Description	Lamp	Filename	Light Loss Factor	Wattage
	A	21	GBLF2 053 4K XX X X L3	70W SANIBEL LED	LED LIGHT ENGINE	LED 70W SANIBEL GBLF2_053_4K_XX_X_X_L3_B1U0G1 adjusted.ies	0.95	70
	B	1	GBLF2 053 4K XX X X L3	70W SANIBEL LED (QTY: 2)	LED LIGHT ENGINE	LED 70W SANIBEL GBLF2_053_4K_XX_X_X_L3_B1U0G1 adjusted.ies	0.95	140

1. Site lighting is engineered, installed, and connected per NESC for Utility work and is owned and maintained by Duke Energy under a FPSC regulated leased lighting program.
2. Lighting is fed directly from Utility secondary distribution system via closest transformer and is not connected to any metered building or service point. All conductors are direct buried at 36" BFG minimum per NESC for Utility work.
3. Poles are Sanibel 22' OAL direct buried concrete tenon top with a fixture mounting height of 17' AFG.
4. The preliminary photometric design shown on this sheet was completed without landscape plans. Pole locations, fixtures, and fixture quantities shown may vary pending receipt of current landscape plans.



DUKE ENERGY®



High-pressure sodium	100 watts
Metal halide	150 watts
Mounting heights	12', 17'
Color	Black
Pole	Sanibel pole

For additional information, visit us at duke-energy.com/OutdoorLighting or call us toll free at 800.700.8744.



**DUKE
ENERGY®**

Outdoor Lighting Solutions
3300 Exchange Place

Lighting Design Tolerance: Calculated footcandle levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in this supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (follage or otherwise) in the lighted area, or lighting from sources other than that used in this may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacturer will also affect results.

Proprietary & Confidential. This document together with the concepts and designs presented herein, is the property of Duke Energy, and is intended only for the specific purpose and prospective client as stated in the title block of this drawing. Any copying, reproduction or disclosure of the drawing, design or any information contained herein by the prospective customer or other entities, including without limitation, expressly prohibited and shall not be permitted without prior written consent from, and payment of compensation to Duke Energy. Duke Energy disclaims any liability or responsibility for any unauthorized use of or reliance on this document.

Alexander Park - Site Lighting Plan

Osceola County, Florida

www.duke-energy.com



DUKE
ENERGY®

light distribution pattern

Pole available:

Name	Mounting heights	Color
Sanibel pole	12', 17'	Black

Features

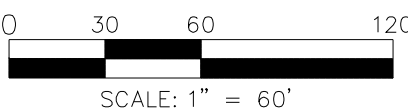
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today ... and tomorrow

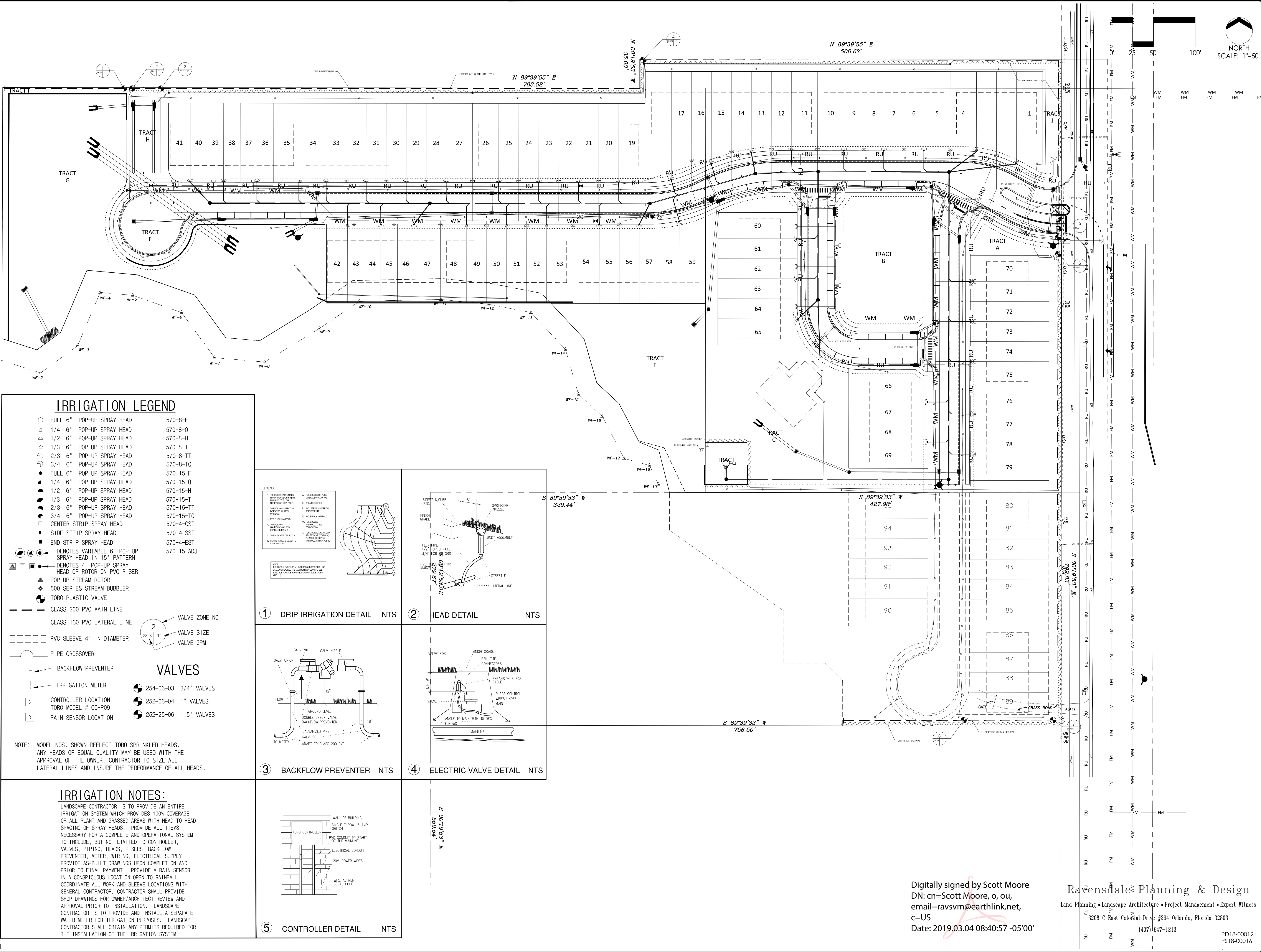
Benefits

- Free up capital for other projects - Meets industry standards and lighting ordinances - Eliminates high and unexpected repair bills - Less expensive than metered service - Worry-free - Convenience and savings for you - Provides hassle-free installation and service - A name you can trust today ... and tomorrow

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PRELIMINARY





IRRIGATION LEGEND

- FULL 6" POP-UP SPRAY HEAD 570-8-F
- 1/4 6" POP-UP SPRAY HEAD 570-8-Q
- 1/2 6" POP-UP SPRAY HEAD 570-8-H
- 1/3 6" POP-UP SPRAY HEAD 570-8-T
- 2/3 6" POP-UP SPRAY HEAD 570-8-TT
- 3/4 6" POP-UP SPRAY HEAD 570-8-TQ
- FULL 6" POP-UP SPRAY HEAD 570-15-F
- 1/4 6" POP-UP SPRAY HEAD 570-15-Q
- 1/2 6" POP-UP SPRAY HEAD 570-15-H
- 1/3 6" POP-UP SPRAY HEAD 570-15-T
- 2/3 6" POP-UP SPRAY HEAD 570-15-TT
- 3/4 6" POP-UP SPRAY HEAD 570-15-TQ
- CENTER STRIP SPRAY HEAD 570-4-CST
- SIDE STRIP SPRAY HEAD 570-4-SST
- END STRIP SPRAY HEAD 570-4-EST
- DENOTES VARIABLE 6" POP-UP SPRAY HEAD IN 15' PATTERN 570-15-ADJ
- ▲ POP-UP STREAM ROTOR
- ★ 500 SERIES STREAM BUBBLER
- TORO PLASTIC VALVE
- CLASS 200 PVC MAIN LINE
- CLASS 160 PVC LATERAL LINE
- PVC SLEEVE 4" IN DIAMETER
- PIPE CROSSOVER
- BACKFLOW PREVENTER
- IRRIGATION METER
- CONTROLLER LOCATION TORO MODEL # CC-P09
- RAIN SENSOR LOCATION

VALVES

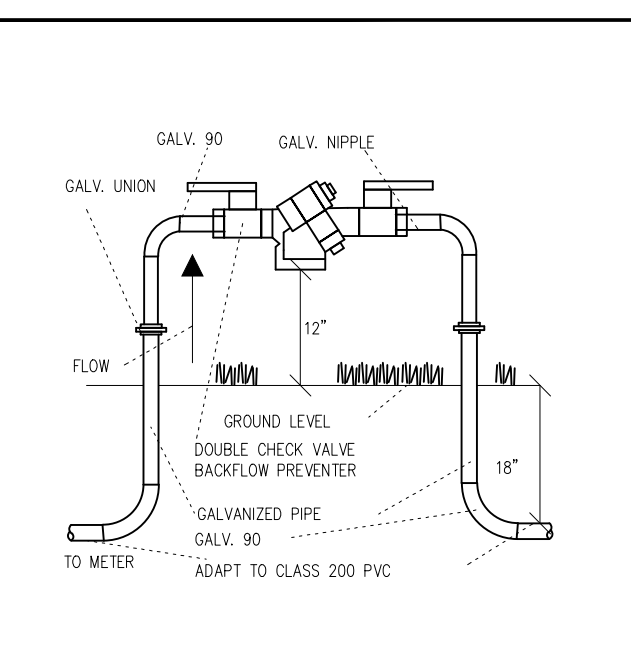
- 254-06-03 3/4" VALVES
- 252-06-04 1" VALVES
- 252-25-06 1.5" VALVES

NOTE: MODEL NOS. SHOWN REFLECT TORO SPRINKLER HEADS. ANY HEADS OF EQUAL QUALITY MAY BE USED WITH THE APPROVAL OF THE OWNER. CONTRACTOR TO SIZE ALL LATERAL LINES AND INSURE THE PERFORMANCE OF ALL HEADS.

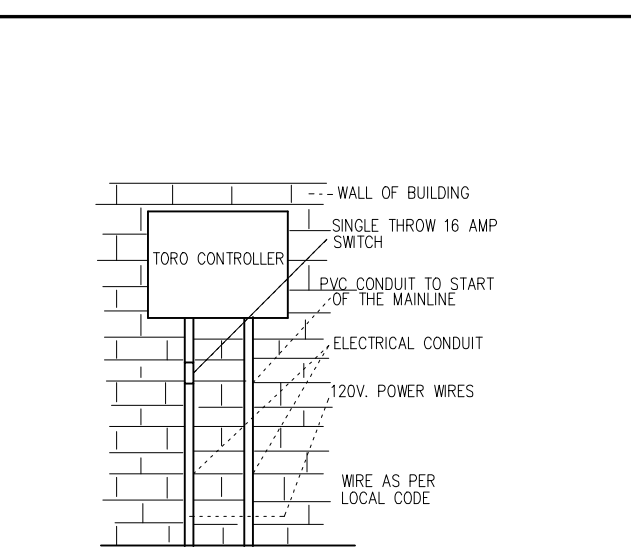
IRRIGATION NOTES:

LANDSCAPE CONTRACTOR IS TO PROVIDE AN ENTIRE IRRIGATION SYSTEM WHICH PROVIDES 100% COVERAGE OF ALL PLANT AND GRASSED AREAS WITH HEAD TO HEAD SPACING OF SPRAY HEADS. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM TO INCLUDE, BUT NOT LIMITED TO, CONTROLLER, VALVES, PIPING, HEADS, RISERS, BACKFLOW PREVENTER, METER, WIRING, ELECTRICAL SUPPLY. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION AND PRIOR TO FINAL PAYMENT. PROVIDE A RAIN SENSOR IN A CONSPICUOUS LOCATION OPEN TO RAINFALL. COORDINATE ALL WORK AND SLEEVE LOCATIONS WITH GENERAL CONTRACTOR. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR OWNER/ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR IS TO PROVIDE AND INSTALL A SEPARATE WATER METER FOR IRRIGATION PURPOSES. LANDSCAPE CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED FOR THE INSTALLATION OF THE IRRIGATION SYSTEM.

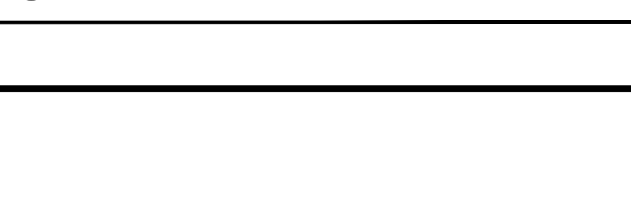
① DRIP IRRIGATION DETAIL NTS



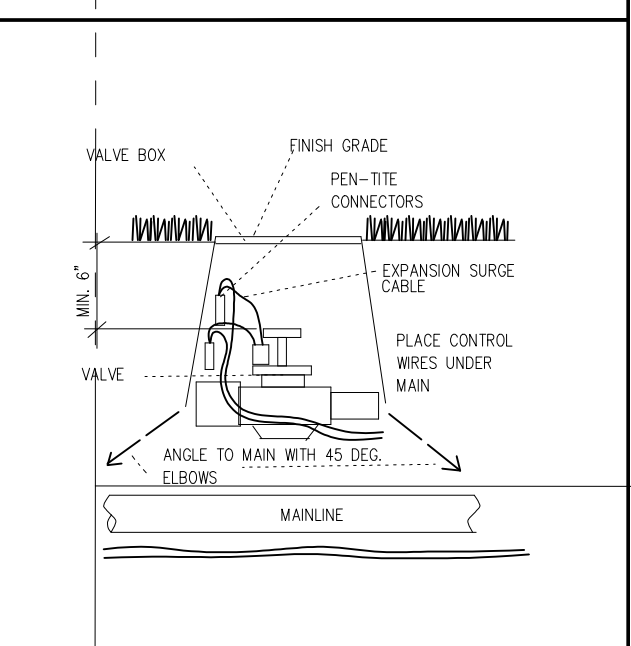
③ BACKFLOW PREVENTER NTS



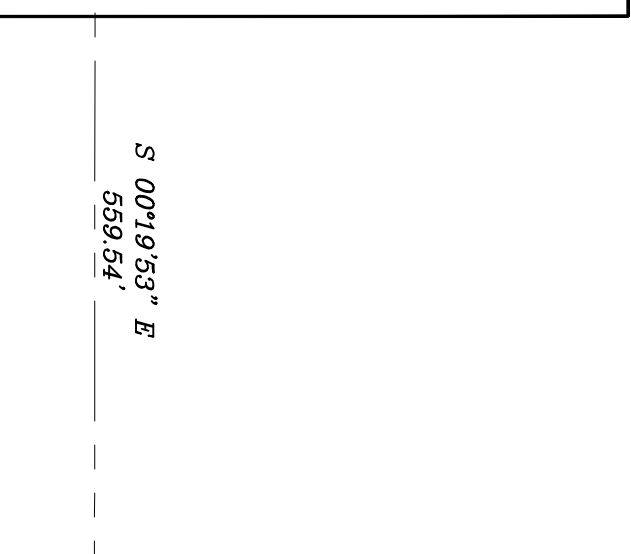
⑤ CONTROLLER DETAIL NTS



② HEAD DETAIL NTS



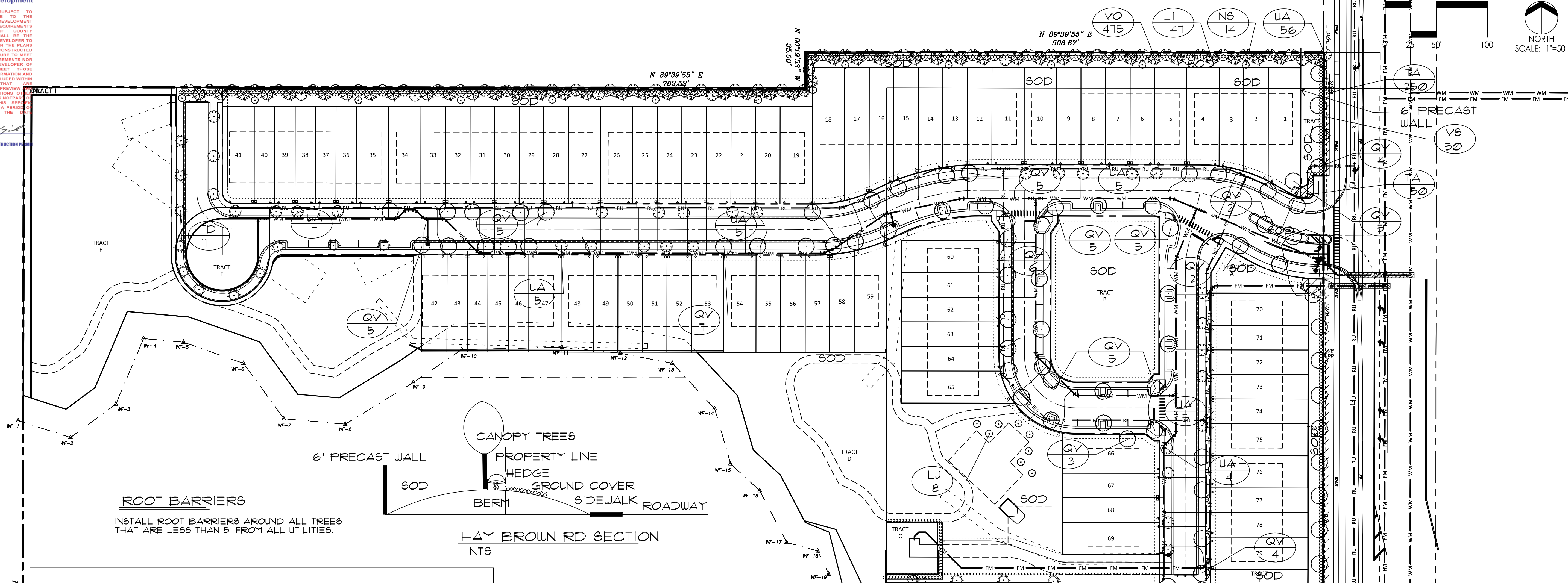
④ ELECTRIC VALVE DETAIL NTS



Rev	Date	Description	Chk By

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NOT VALID WITHOUT ARCHITECTURAL CONSTRUCTION PERMIT



PLANT LIST

QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
17	NS	ILEX NELLIE STEVENS	NELLIE STEVENS	8', 2.5' CAL.
57	LI	LAGERSTROEMIA INDICA	CREPE MYRTLE	10', 2.5' CAL., MT
8	LJ	LIGUSTRUM JAPONICUM	LIGUSTRUM	10', 2.5' CAL., MT
104	UA	ULMUS ALATA	WINGED ELM	3' CAL., 10'
99	QV	QUERCUS VIRGINIANA	LIVE OAK	3' CAL., 10'
13	TD	TAXODIUM DISTICHUM	BALD CYPRESS	3' CAL., 10'
SHRUBS				
650	VO	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	24'X24'± 30' OC
275	VS	VIBURNUM SUSPENSUM	SANDANKWA	24'X24'± 30' OC
GROUND COVER				
1300	TA	TRACH. MINIMA	MINIMA	FULL GLS., 24' OC
SOD TO BE AS SHOWN				

ALL LANDSCAPE AREAS TO BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND SYSTEM, WITH 100% COVERAGE, BACKFLOW PREVENTOR, 4 RAIN SENSOR DEVICE AND MEET OSCEOLA COUNTY IRRIGATION REQUIREMENTS.

GENERAL LANDSCAPE NOTES

- ALL PLANTS TO BE FLORIDA NO. 1 OR BETTER AS OUTLINED UNDER 'GRADES AND STANDARDS FOR NURSERY PLANTS, PART I, 1963 AND PART II, STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, TALLAHASSEE, FLORIDA, AND ANY AMENDMENTS THERETO. ALL TREES AND PLANT MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH THE SPECIFICATIONS DESCRIBED IN THE STATE DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF FORESTRY, 'TREE PROTECTION MANUAL FOR BUILDERS AND DEVELOPERS', OCTOBER, 1980.
- THE LANDSCAPE CONTRACTOR (CONTRACTED BY OWNER, N.I.C.) SHALL BE RESPONSIBLE FOR ALL MATERIALS AND ALL WORK AS CALLED FOR ON THE LANDSCAPE PLANS. THE LIST OF PLANT QUANTITIES ACCOMPANYING THE PLANS SHALL BE USED AS A GUIDE ONLY. IF A VARIATION OCCURS BETWEEN THE PLANS AND THE PLANT LIST, THE PLANS SHALL CONTROL.
- ALL TREES, SHRUBS AND GROUND COVERS SHALL BE PLANTED USING A SOIL MIXTURE PREPARED ACCORDINGLY (2/3 EXISTING SOIL, 1/3 PEAT).
- THE LANDSCAPE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT BEDS AND PLANTERS. VERTICAL DRILLING THROUGH ANY COMPACTED FILL TO NATIVE SOIL SHALL BE ACCOMPLISHED TO AID DRAINAGE.
- ALL PLANT BEDS AND TREE WATERING BASINS SHALL BE TOP DRESSED WITH THREE INCHES (3") OF SHREDDED PINE BARK MULCH.
- NO TREES SHALL BE PLANTED CLOSER THAN 3 FEET (3') FROM THE EDGE OF PAVEMENT TO ALLOW ADEQUATE TREE TRUNK PROTECTION.
- LANDSCAPE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL TREES AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY THE INSTABILITY OF ANY PLANT MATERIAL.
- ALL LAWN AREAS TO RECEIVE SOD SHALL BE DISKED FOUR(4) TO SIX(6) INCHES AND DRAGGED TO ESTABLISH A LEVEL FINISH GRADE. ALL DEBRIS TO BE REMOVED FROM THE SITE.
- SOD SHALL BE FREE OF WEEDS AND PESTS. IT SHALL BE LAID EVENLY AND ROLLED, WITH TIGHT FITTING JOINTS. THE SOD SHALL CONTAIN MOIST SOIL WHICH DOES NOT FALL APART OR TEAR WHEN LIFTED. ALL AREAS NOT PAVED OR OTHERWISE LANDSCAPED SHALL BE SODDED. SOD SHALL BE AS SHOWN OR EQUAL.
- ALL LANDSCAPE AREAS TO BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND SYSTEM, WITH 100% COVERAGE, BACKFLOW PREVENTOR, 4 RAIN SENSOR DEVICE AND MEET OSCEOLA COUNTY IRRIGATION REQUIREMENTS.
- THE TREE CALIPER OF ALL TREES SPECIFIED ON THE PLANT LIST SHALL BE MEASURED PER FLORIDA GRADES AND STANDARDS.

TREE CALCULATIONS

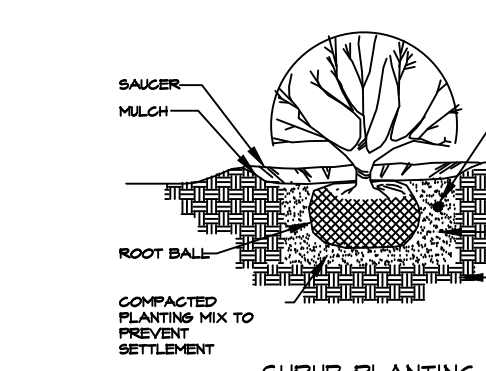
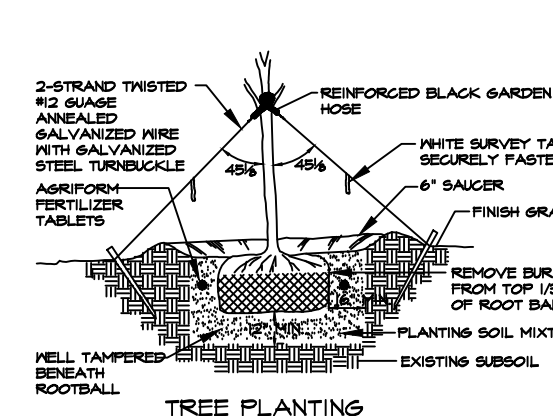
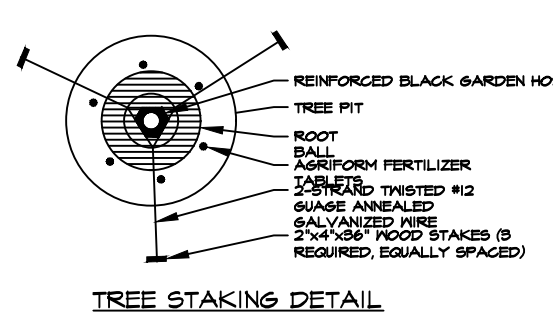
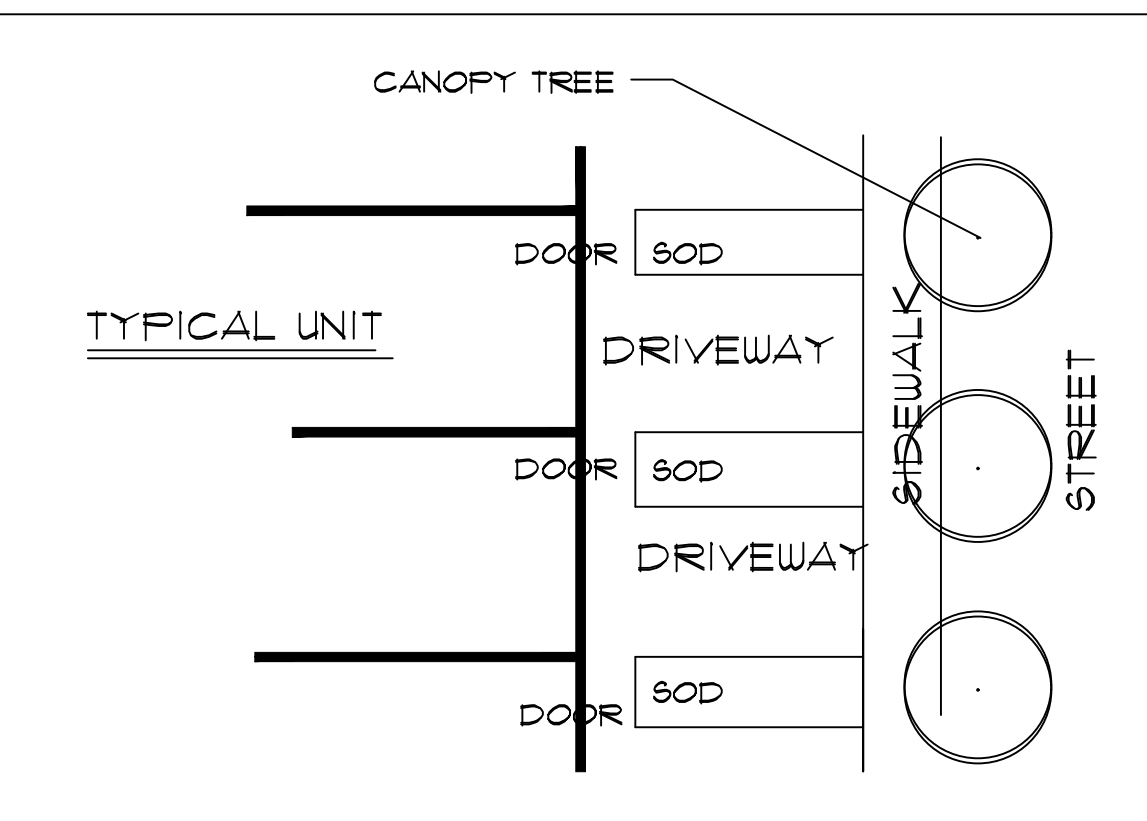
10.79 acres X 30' / AC = 323.7' DBH REQUIRED
201 CANOPY TREES SHOWN = 603' CAL.
91 UNDERSTORY TREES SHOWN = 227.5' CAL.
TOTAL CAL. INCHES = 830.5
TOTAL DBH. INCHES = 532.5

STREET TREES REQUIRED

2115' OF INTERIOR ROAD
1 TREE REQUIRED PER 40' PER SIDE = 106 TREES
106 TREES PROVIDED

HAM BROWN RD

800' OF ROAD
3 TREES REQUIRED PER 100' = 22 TREES
22 TREES PROVIDED



Digitally signed by Scott Moore
DN: cn=Scott Moore, o, ou,
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c=US
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