



APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

January 15, 2025 9:00 AM

Apopka City Hall Council Chambers

ANNEXATION

1. AN-24-14, 2501 Rock Springs Road - Annexation (Annex), 1st Submittal
Owner(s): BSC-Rock Springs East LLC
Applicant(s): Miguel Kaled
Location: 2501 Rock Springs Road
Proposed Use: Residential Low Suburban (RLS)
Project Manager: Jun Sohn
Presented by: Jun Sohn, Planner

PLAT

1. PL-24-3, Eden Crest Phase 1 - Plat (PL), 2nd Submittal

SITE PLAN:

CONSTRUCTION SITE PLAN

1. CSP-24-10, Errol Parkway Business Center - Construction Site Plan (CSP), 2nd Submittal
2. CSP-24-14, Hunt Club Medical Office - Construction Site Plan (CSP), 1st Submittal
3. MDP-24-3, AdventHealth Fudge Road Complex Ph1 - Revision Construction Site Plan (CSP), 1st Submittal

DISCUSSION

ADJOURNMENT

Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk at least two (2) working days in advance of the meeting date and time at (407) 703-1704. F.S. 286.0105 If a person decides to appeal any decision or recommendation made by Council with respect to any matter considered at this meeting, he will need record of the proceedings, and that for such purposes he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Any opening invocation that is offered before the official start of the Council meeting shall be the voluntary offering of a private person, to and for the benefit of the Council. The views or beliefs expressed by the invocation speaker have not been previously reviewed or approved by the City Council or the city staff, and the City is not allowed by law to endorse the religious or non-religious beliefs or views of such speaker. Persons in attendance at the City Council meeting are invited to stand during the opening ceremony. However, such invitation shall not be construed as a demand, order, or any other type of command. No person in attendance at the meeting shall be required to participate in any opening invocation that is offered or to participate in the Pledge of Allegiance. You may remain seated within the City Council Chambers or exit the City Council Chambers and return upon completion of the opening invocation and/or Pledge of Allegiance if you do not wish to participate in or witness the opening invocation and/or the recitation of the Pledge of Allegiance.

Boundary Survey

Legal Description:

The North 1/2 of the North 1/2 of the Northwest 1/4 of the Southwest 1/4 of Section 27, Township 20 South, Range 28 East, Orange County, Florida.

Less and Except that parcel for State Road 435 conveyed to the State of Florida Department of Transportation by Final Judgement recorded July 5, 1977, in Official Records Book 2797, Page 517, Public Records of Orange County, Florida.

Flood Disclaimer:

BY PERFORMING A SEARCH WITH THE LOCAL GOVERNING MUNICIPALITY OR WWW.FEMA.GOV, THE PROPERTY APPEARS TO BE LOCATED IN ZONE X. THIS PROPERTY WAS FOUND IN ORANGE COUNTY, COMMUNITY NUMBER 120179, DATED 09/24/2021.

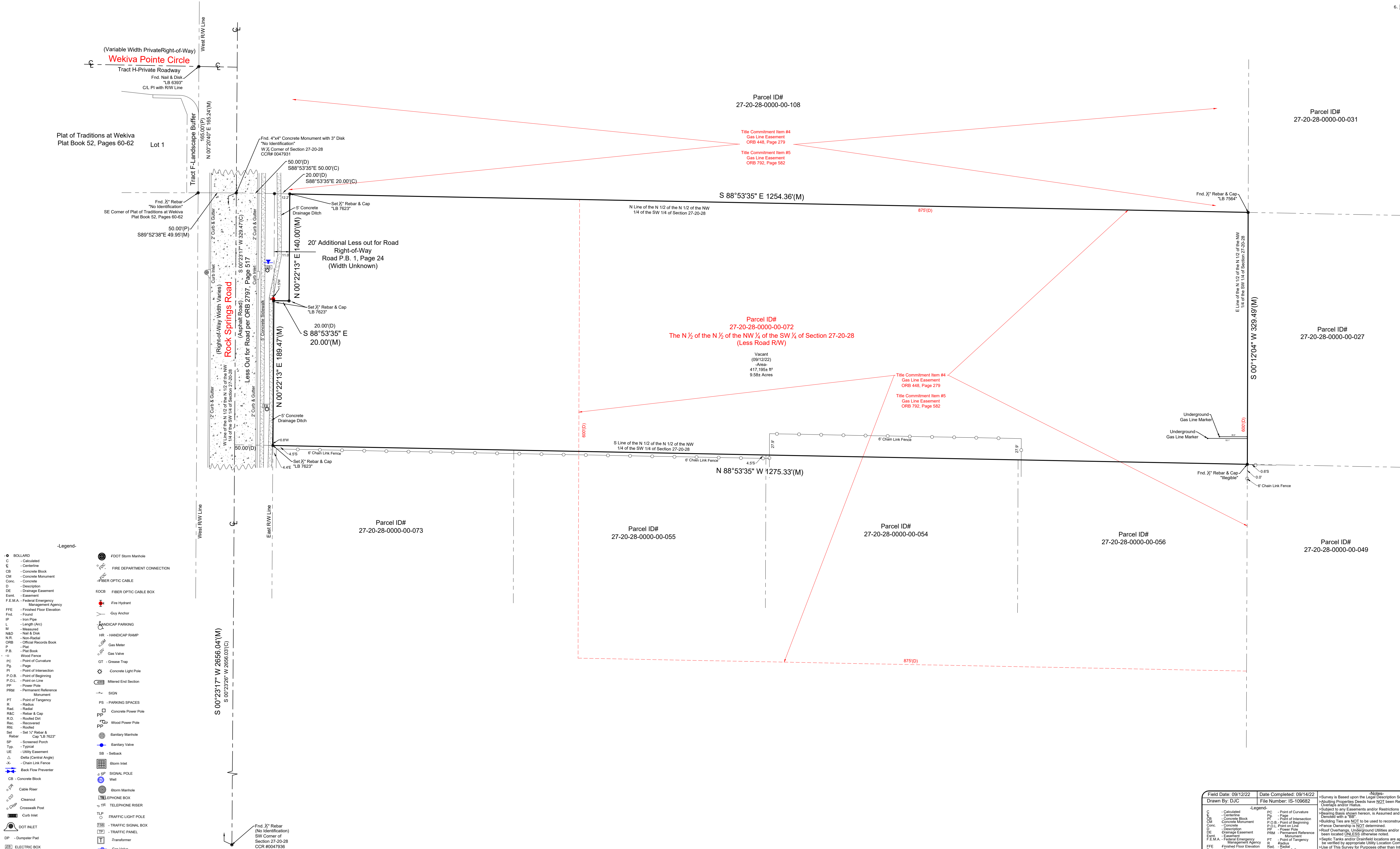
CERTIFIED TO:

ARYEH L. SOSKIN; FASSETT, ANTHONY, & TAYLOR, P.A.

SCHEDULE B - Section II EXCEPTIONS:

Issued by: Chicago Title Insurance Company
Agent: Fassett, Anthony & Taylor, P.A.
Order No.: 10694125
Issuing Office File No.: 7874-1
Effective Date: August 22, 2022@5:00pm

1. Not a Survey Matter.
2. Not a Survey Matter.
3. a. Concrete and Fencing cross lot lines.
b. Not a Survey Matter.
c. Not a Survey Matter.
d. Not a Survey Matter.
4. Shown on Survey.
5. Shown on Survey.
6. Not a Survey Matter.



Bearings are based on State Plane
Coordinates Florida East Zone 9501 - NAD 83



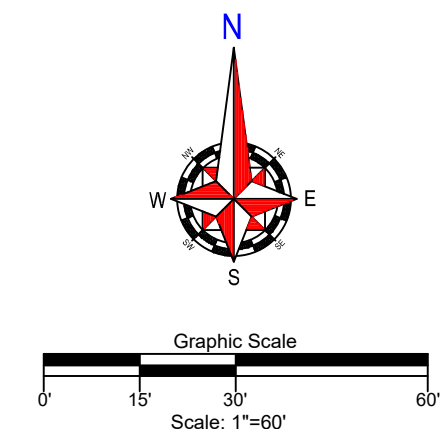
Graphic Scale
Scale: 1"=60'

Field Date: 09/12/22	Date Completed: 09/14/22	Drawn By: DJC	File Number: IS-106682
Legend: ○ Calculated ○ Centerline ○ Concrete Block ○ Concrete Monument ○ Concrete ○ Description ○ Drainage Easement ○ Easement ○ F.E.M.A. - Federal Emergency Management Agency ○ Finished Floor Elevation ○ Found ○ Iron Pipe ○ Length (Arc) ○ Measured ○ Nail & Disk ○ Non-Radial ○ Official Records Book ○ Plat ○ Plat Book ○ Wood Fence	Legend: ○ Point of Curvature ○ Page ○ Point of Intersection ○ Point of Beginning ○ Power Pole ○ Permanent Reference Monument ○ Point of Tangency ○ Radial ○ Rebar & Cap ○ Recovered ○ Roofed ○ Roofed Dirt ○ Recovered ○ Roofed ○ Rebar ○ Set 1/2" Rebar & Cap "LB 7623" ○ Screened Pouch ○ Typical ○ Utility Easement ○ Delta (Central Angle) ○ Chain Link Fence	Notes: >Survey is Based upon the Legal Description Supplied by Client. >Abutting Properties Deeds have NOT been Researched for Gaps, Overlaps and/or Mistakes. >Subject to any Easements and/or Restraints of Record. >Building Ties are NOT to be used to reconstruct Property Lines. >Fence Ownership is NOT determined. >Roof Overhangs, Underground Utilities and/or Footers have NOT been located UNLESS otherwise noted. >Septic Tanks and/or Driveway locations are approximate and MUST be verified by appropriate Utility Location Companies. >Line of This Survey for Purpose other than Intended, Without Written Verification, Will be at the User's Sole Risk and Without Liability to the Surveyor. Nothing Hereon shall be Constructed to give ANY Rights or Benefits to Anyone Other than Those Certified. >Flood Zone Determination Shown Herein is Given as a Courtesy, and is Subject to Final Approval by F.E.M.A.. This Determination may be affected by Flood Actions and/or other information NOT Herein shown by NOR given to this Surveying Company at the time of this Endeavor. >Ireland & Associates Surveying Inc. and its Surveying Surveyor assume NO Liability for the Accuracy of this Determination.	Notes: >Twenty Certify that this Boundary Survey of the above Described Property is True and Correct to the Best of my Knowledge and Skill as recently Surveyed and as Noted and Conforms to the Standards of Practice for Land Surveying in the State of Florida in accordance with Chapter 467-202 Florida Statutes, Administrative Codes, Pursuant to Section 467.407 Florida Statutes. Patrick K. Ireland, L.B. 7623 This Survey is intended for use as a Survey of Said Certified Property. This Survey NOT VALID UNLESS SIGNED and Endorsed with Surveyor's Seal. 800 Currency Circle, Suite 1020 Lake Mary, FL 32746 www.IrelandSurveying.com Office-407.678.3366 Fax-407.320.8165

Legal Description:

Less and Except that parcel for State Road 435 conveyed to the State of Florida Department of Transportation by Final Judgement recorded July 5, 1977, in Official Records Book 2797, Page 517, Public Records of Orange County, Florida.

Flood Disclaimer:
BY PERFORMING A SEARCH WITH THE LOCAL GOVERNING MUNICIPALITY OR WWW.FEMA.GOV, THE PROPERTY APPEARS TO BE LOCATED IN ZONE X. THIS PROPERTY WAS FOUND IN ORANGE COUNTY, COMMUNITY NUMBER 120179, DATED 09/24/2021.
CERTIFIED TO:
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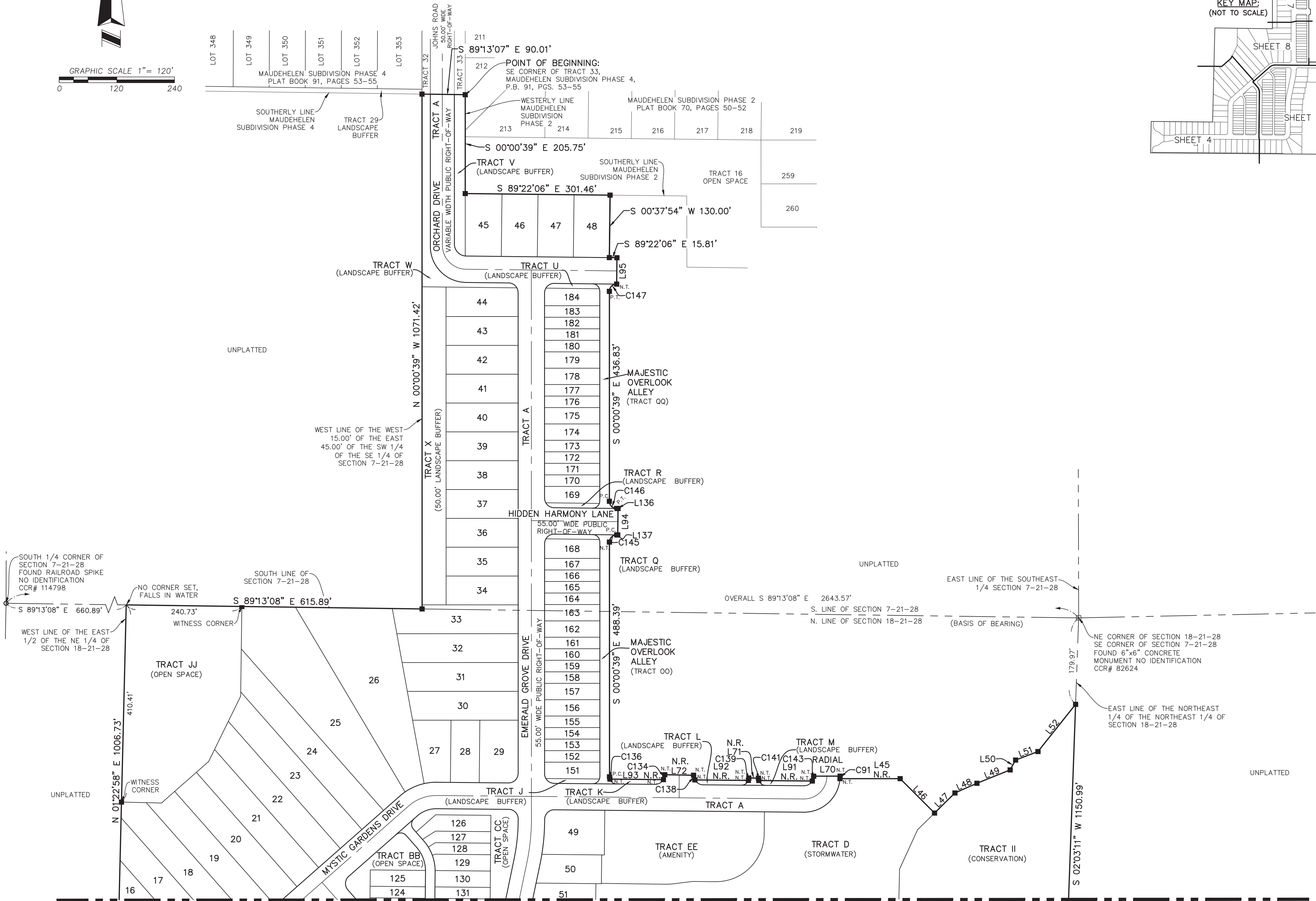
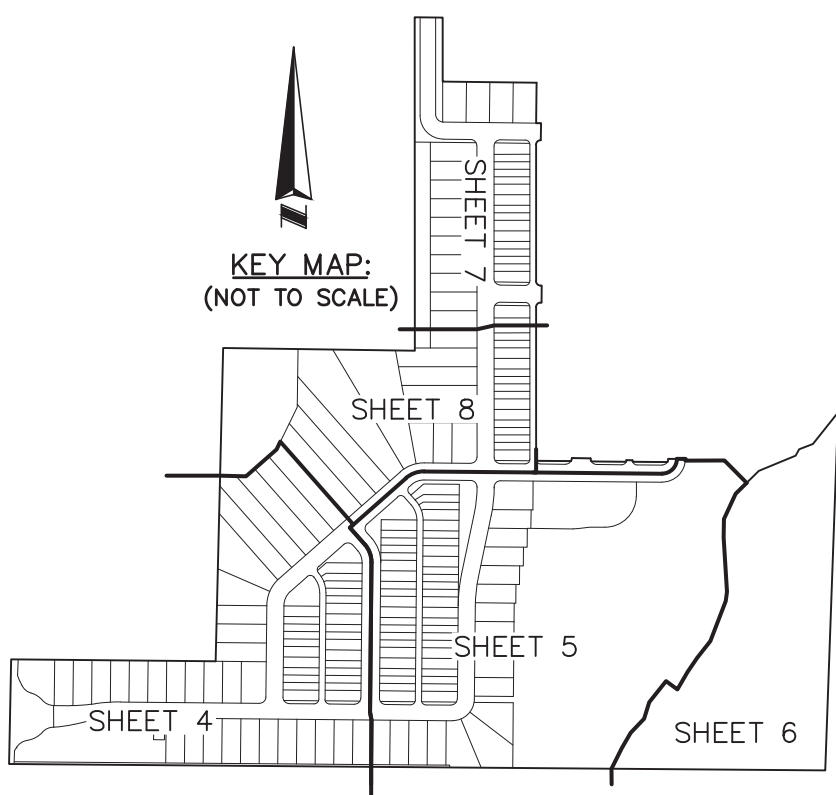
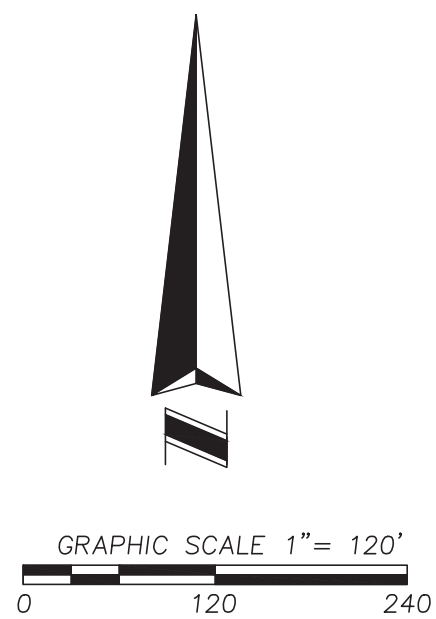
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EDEN CREST PHASE 1

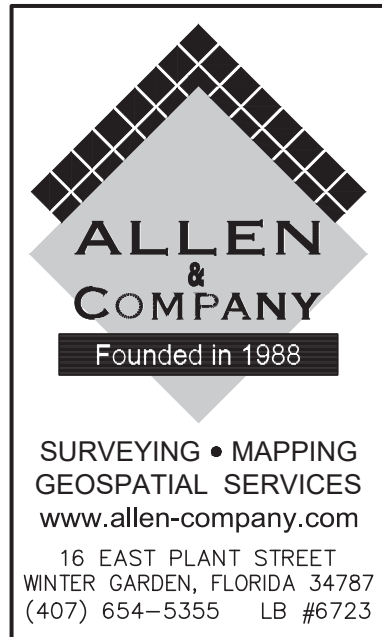
A PARCEL OF LAND LYING IN SECTIONS 7 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

SHEET 2 OF 8

PLAT BOOK ____ PG. ____



MATCHLINE SHEET 3



SHEET INDEX
SHEET 1 OF 8 - LEGAL DESCRIPTION, NOTES, LEGEND & DEDICATION
SHEETS 2-3 OF 8 - BOUNDARY
SHEETS 4-8 OF 8 - LOT GEOMETRY

CURVE TABLE				
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA
C91	75.00'	S01°59'23"W	5.24'	004°00'04"
C134	20.00'	N15°15'55"E	10.54'	030°33'08"
C136	15.00'	S09°28'13"E	4.93'	018°55'08"
C138	20.00'	S14°44'05"E	10.17'	029°26'52"
C139	15.00'	N10°00'04"E	5.22'	020°01'25"
C141	15.00'	S09°28'13"E	4.93'	018°55'08"
C143	20.00'	N15°15'55"E	10.54'	030°33'08"
C145	15.00'	S45°20'54"W	21.35'	090°42'57"
C146	15.00'	S44°39'08"E	21.08'	089°16'59"
C147	15.00'	S45°18'38"W	21.33'	090°38'33"

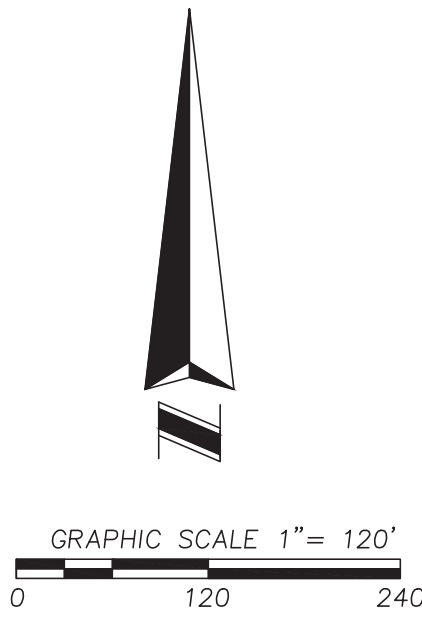
LINE TABLE		
LINE	BEARING	LENGTH
L45	N89°59'21"E	125.18'
L46	S45°00'55"E	101.22'
L47	N45°24'56"E	59.60'
L48	N66°19'13"E	49.92'
L49	N68°06'06"E	74.56'
L50	N29°04'54"E	23.44'
L51	N69°01'48"E	49.89'
L52	N38°32'43"E	125.55'
L70	N89°59'21"E	55.00'
L71	S88°37'48"E	20.01'
L72	S89°05'25"E	60.01'
L91	S89°27'30"E	111.42'
L92	S89°27'30"E	111.51'
L93	S89°27'30"E	111.42'
L94	S00°42'22"W	55.00'
L95	S00°37'54"W	55.00'
L136	S89°17'38"E	3.13'
L137	N89°17'38"W	2.07'

EDEN CREST PHASE 1

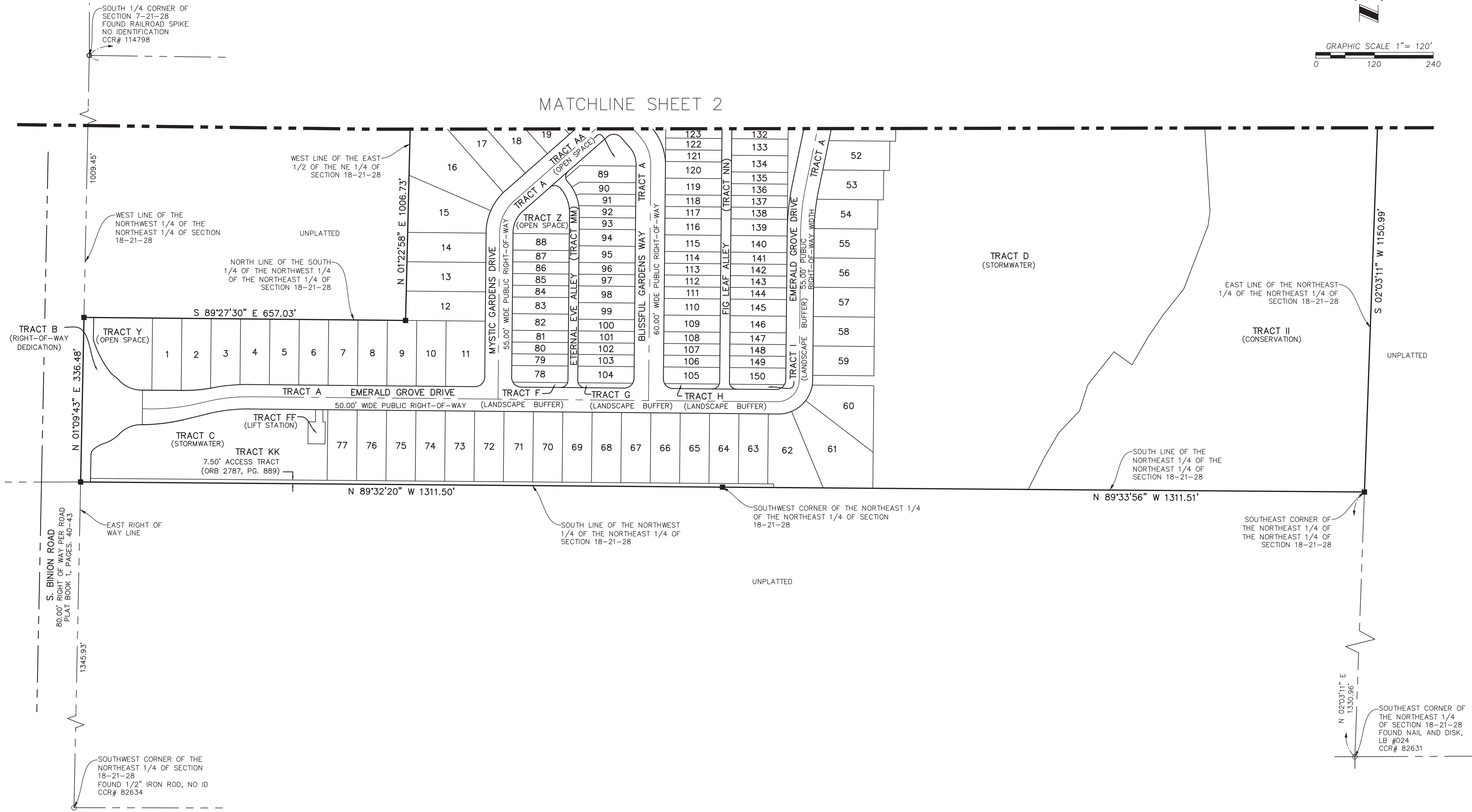
A PARCEL OF LAND LYING IN SECTIONS 7 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

SHEET 3 OF 8

PLAT BOOK ____ PG. ____

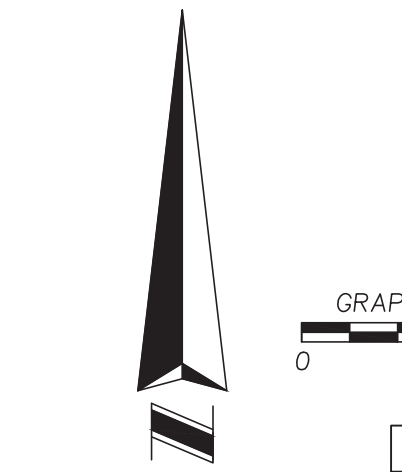


MATCHLINE SHEET 2



EDEN CREST PHASE 1

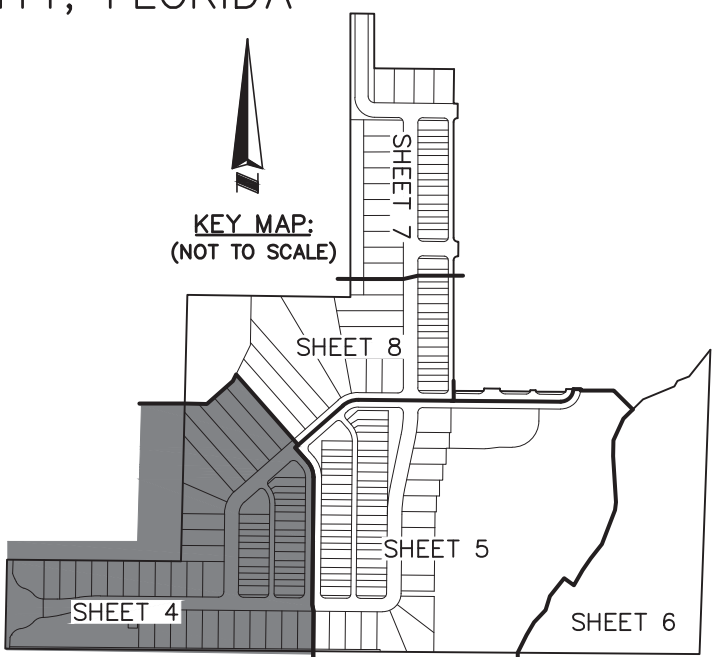
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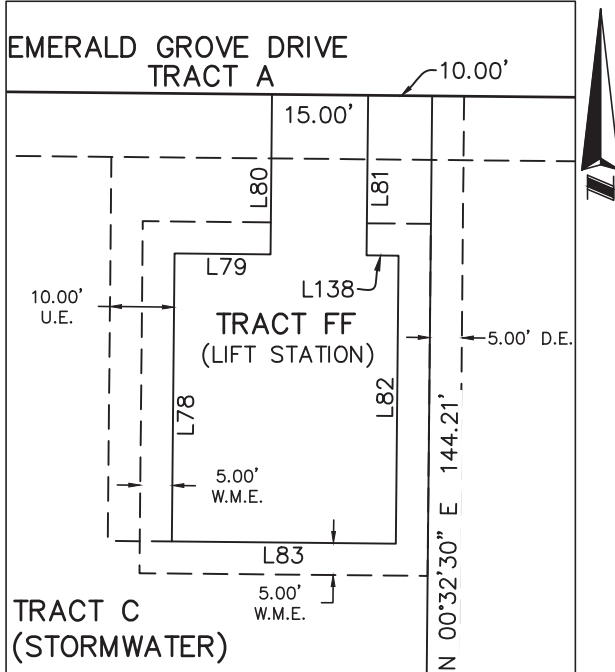
LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°09'43"E	42.72'
L5	N41°22'41"W	0.49'
L6	N01°09'43"E	55.70'
L9	N76°27'14"E	51.97'
L53	S48°37'19"W	38.01'
L54	S57°03'08"W	18.91'
L55	S68°17'52"W	7.64'
L56	N41°22'41"W	0.49'
L57	S81°39'19"W	1.15'
L58	S41°22'41"E	25.17'
L68	S00°27'35"W	70.68'
L69	N41°22'41"W	72.67'
L74	S88°37'02"E	83.32'
L75	N48°37'19"E	130.85'
L76	N26°07'19"E	151.23'
L78	N00°32'30"E	45.00'
L79	S89°27'30"E	15.00'
L80	N00°32'30"E	25.00'
L81	S00°32'30"W	25.00'
L82	S00°32'30"W	45.00'
L83	N89°27'30"W	35.00'
L114	N88°16'48"W	5.70'
L115	S76°27'14"W	12.59'
L117	S00°27'40"W	7.00'
L118	N89°33'30"W	51.01'
L119	S00°32'30"W	6.98'
L129	N89°32'20"W	141.07'
L130	N89°32'20"W	398.93'
L131	N89°32'20"W	216.81'
L133	N89°32'25"W	84.12'
L135	N89°32'25"W	2.67'
L138	S89°27'30"E	5.00'

CURVE TABLE				
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA
C1	217.00'	S27°00'38"E	67.76'	017°57'52"
C2	78.00'	S48°26'54"E	12.43'	009°08'35"
C3	62.00'	S66°42'31"E	48.12'	045°39'48"
C5	300.00'	N79°34'56"E	3.67'	000°42'03"
C7	20.00'	S45°32'30"W	28.28'	090°00'00"
C8	115.00'	S24°34'54"W	93.70'	048°04'49"
C13	20.00'	S44°27'30"E	28.28'	090°00'00"
C14	15.00'	N45°32'30"E	21.21'	090°00'00"
C15	75.00'	N20°25'06"W	53.66'	041°55'11"
C16	15.00'	N86°22'41"W	21.21'	090°00'00"
C17	60.00'	S24°34'54"W	48.89'	048°04'49"
C18	15.00'	N25°06'02"E	12.17'	047°52'38"
C19	78.00'	N58°03'41"E	37.28'	027°39'03"
C20	62.00'	N67°07'16"E	48.22'	045°46'13"
C21	373.57'	N83°11'30"E	88.67'	013°37'52"
C22	337.00'	N83°29'52"E	82.65'	014°05'15"
C23	62.00'	N60°27'46"E	24.56'	022°50'52"
C31	20.00'	S86°22'41"E	28.28'	090°00'00"
C33	55.00'	S20°25'06"E	39.35'	041°55'11"
C35	20.00'	S45°32'30"W	28.28'	090°00'00"
C36	15.00'	N44°27'30"W	21.21'	090°00'00"
C37	95.00'	N20°25'06"W	67.97'	041°55'11"
C38	15.00'	N03°37'19"E	21.21'	090°00'00"
C64	87.50'	N24°34'54"E	71.29'	048°04'49"
C69	85.00'	N20°25'06"W	60.81'	041°55'11"
C81	15.00'	S08°26'00"E	5.00'	019°11'25"
C83	385.00'	S83°27'52"W	56.83'	008°27'55"
C84	385.00'	S89°07'09"W	19.11'	002°50'40"

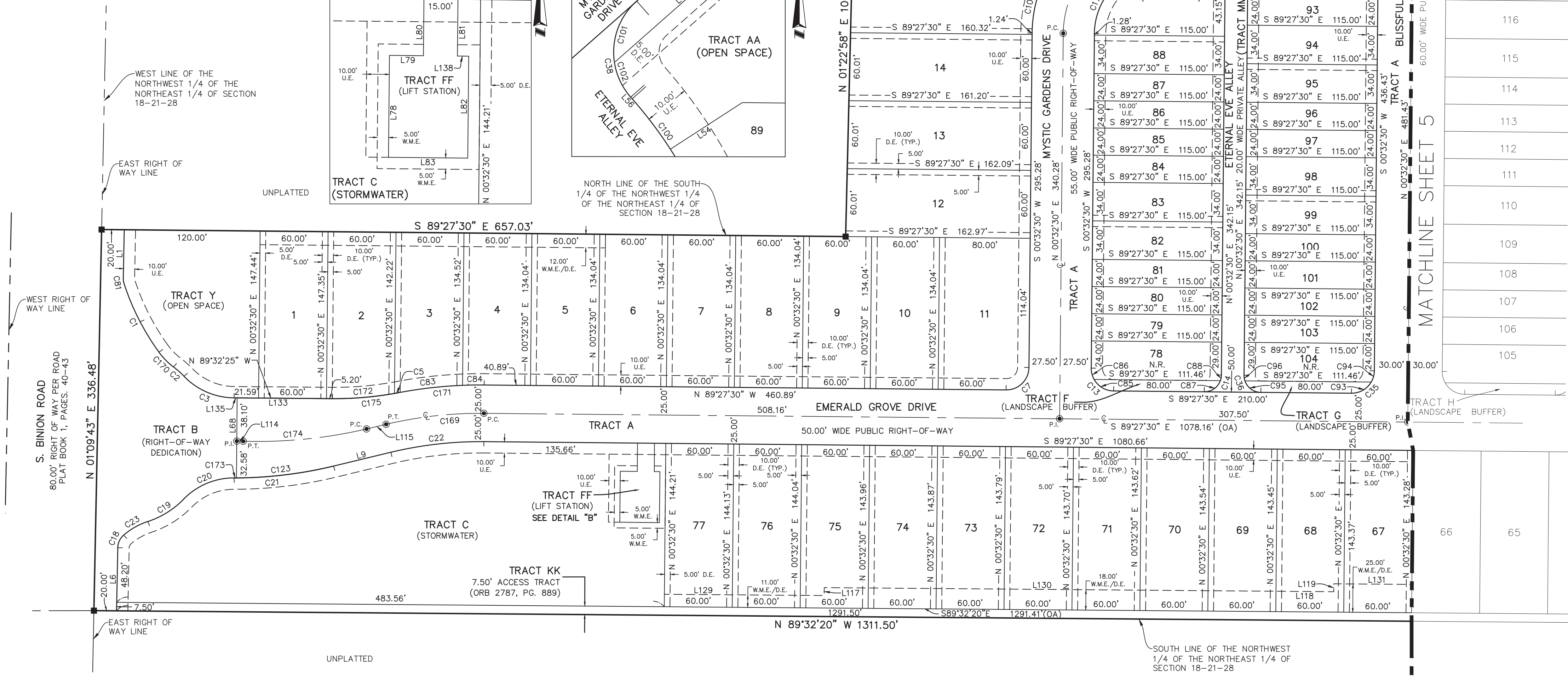
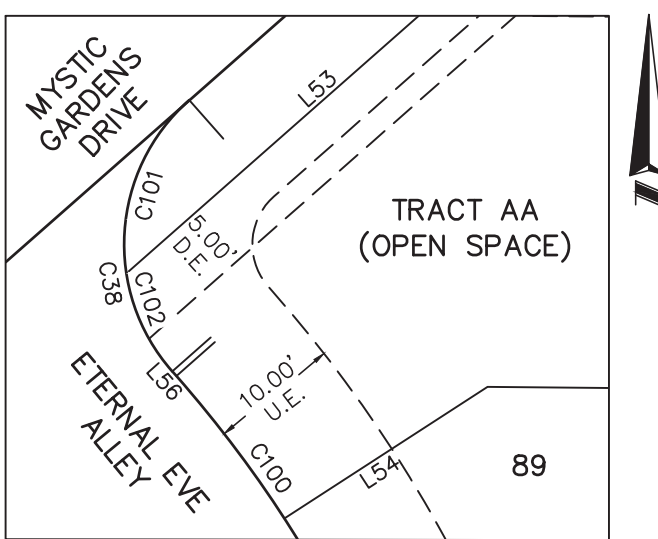
CURVE TABLE				
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA
C85	20.00'	S59°27'30"E	20.00'	060°00'00"
C86	20.00'	S14°27'30"E	10.35'	030°00'00"
C87	15.00'	N55°16'38"E	17.32'	070°31'44"
C88	15.00'	N10°16'38"E	5.07'	019°28'16"
C93	20.00'	N60°32'30"E	20.00'	060°00'00"
C94	20.00'	N15°32'04"E	10.36'	030°00'52"
C95	15.00'	S54°11'38"E	17.32'	070°31'44"
C96	15.00'	S09°11'38"E	5.07'	019°28'16"
C97	95.00'	N03°54'06"W	14.72'	008°53'11"
C98	95.00'	N15°01'25"W	22.10'	013°21'27"
C99	95.00'	N27°19'30"W	18.62'	011°14'44"
C100	95.00'	N37°09'47"W	13.97'	008°25'50"
C101	15.00'	S19°59'24"W	14.38'	057°15'49"
C102	15.00'	S25°00'36"E	8.45'	032°44'11"
C103	115.00'	S12°00'04"W	45.70'	022°55'08"
C104	115.00'	S34°44'08"W	44.97'	022°33'00"
C105	115.00'	S47°18'58"W	5.24'	002°36'41"
C123	373.57'	N83°01'20"E	86.47'	013°17'32"
C169	362.00'	S83°29'52"W	88.78'	014°05'15"
C170	62.00'	S44°30'23"E	18.36'	017°01'38"
C171	385.00'	N84°53'12"E	75.87'	011°18'35"
C172	300.00'	N85°11'46"E	55.04'	010°31'38"
C173	373.57'	N89°50'16"E	2.21'	000°20'20"
C174	425.00'	N84°05'13"E	112.90'	015°15'58"
C175	300.00'	S84°50'45"W	58.70'	011°13'41"



DETAIL "B"
SCALE: 1"=30'



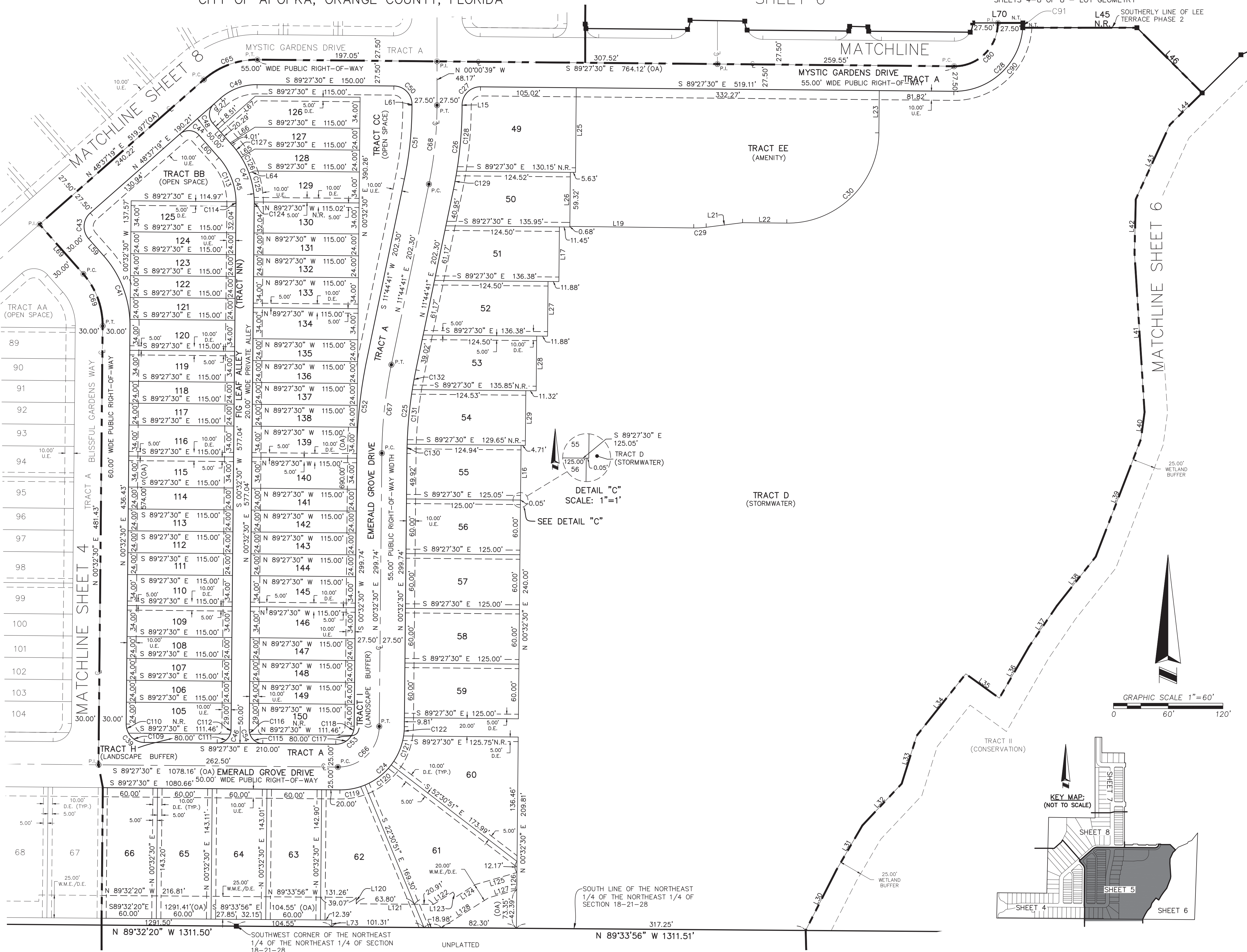
DETAIL "A"
SCALE: 1"=15'



EDEN CREST PHASE 1

A PARCEL OF LAND LYING IN SECTIONS 7 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

LINE TABLE		
LINE	BEARING	LENGTH
L15	N00°00'39"W	0.21'
L16	S00°32'30"W	60.00'
L17	N00°32'30"E	60.00'
L19	S89°16'31"E	135.88'
L21	N82°52'49"E	40.21'
L22	S89°27'30"E	48.51'
L23	N00°32'30"E	46.35'
L25	S00°32'30"W	92.85'
L26	N00°32'30"E	60.00'
L27	N00°32'30"E	60.00'
L28	S00°32'30"W	60.00'
L29	S00°32'30"W	60.00'
L30	N26°55'28"E	74.59'
L31	N30°13'28"E	56.43'
L32	N43°17'16"E	62.77'
L33	N17°25'59"E	55.41'
L34	N38°28'04"E	86.37'
L35	S54°04'27"E	45.41'
L36	N29°56'27"E	65.52'
L37	N34°18'46"E	54.31'
L38	N38°22'08"E	68.31'
L39	N21°02'38"E	137.93'
L40	N07°42'13"E	30.04'
L41	N03°37'01"W	174.69'
L42	N01°19'39"E	59.36'
L43	N24°35'29"E	89.88'
L44	N45°24'56"E	49.73'
L45	N89°59'21"E	125.18'
L46	S45°00'55"E	101.22'
L47	N45°24'56"E	59.60'
L49	N41°22'41"W	25.17'
L60	S41°22'41"E	32.81'
L61	S00°00'39"E	1.13'
L63	N41°22'41"W	32.81'
L64	N69°48'40"E	6.58'
L65	N58°17'07"E	17.34'
L66	N57°34'32"E	32.17'
L67	N48°37'19"E	54.49'
L69	N41°22'41"W	72.67'
L70	N89°59'21"E	55.00'
L73	S00°26'04"W	7.50'
L120	N00°28'54"E	7.00'
L121	N89°33'56"W	84.71'
L122	S57°37'58"W	25.38'
L123	N32°22'02"W	6.24'
L124	S57°37'58"W	25.29'
L125	S73°52'10"W	47.28'
L126	N00°32'30"E	18.79'
L127	N73°52'10"E	32.17'
L128	N57°37'58"E	61.33'



ALLEN & COMPANY
Founded in 1988

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16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
(407) 654-5355 LB #6723

CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C24	70.00'	N45°32'30"E	98.99'	090°00'00"	109.96'
C25	472.50'	N06°08'35"E	92.24'	011°12'11"	92.39'
C26	452.50'	N05°52'01"E	92.68'	011°45'19"	92.84'
C27	20.00'	N45°15'55"E	28.42'	090°33'08"	31.61'
C28	75.00'	N45°15'55"E	106.58'	090°33'08"	118.53'
C29	100.00'	N86°48'09"E	13.68'	007°50'39"	13.69'
C30	100.00'	N45°32'30"E	141.42'	090°00'00"	157.08'
C39	20.00'	N44°27'30"W	28.28'	090°00'00"	31.42'
C41	115.00'	N20°25'06"W	82.27'	041°55'11"	84.14'

CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C43	20.00'	N03°37'19"E	28.28'	090°00'00"	31.42'
C44	15.00'	S86°22'41"E	21.21'	090°00'00"	23.56'
C45	75.00'	S20°25'06"E	53.66'	041°55'11"	54.87'
C46	15.00'	S45°32'30"W	21.21'	090°00'00"	23.56'
C47	95.00'	N20°25'06"W	67.97'	041°55'11"	69.51'
C48	15.00'	N03°37'19"E	21.21'	090°00'00"	23.56'
C49	60.00'	N69°34'54"E	42.93'	041°55'11"	43.90'
C50	20.00'	S44°44'05"E	28.15'	089°26'52"	31.22'
C51	397.50'	S05°52'01"W	81.41'	011°45'19"	81.56'

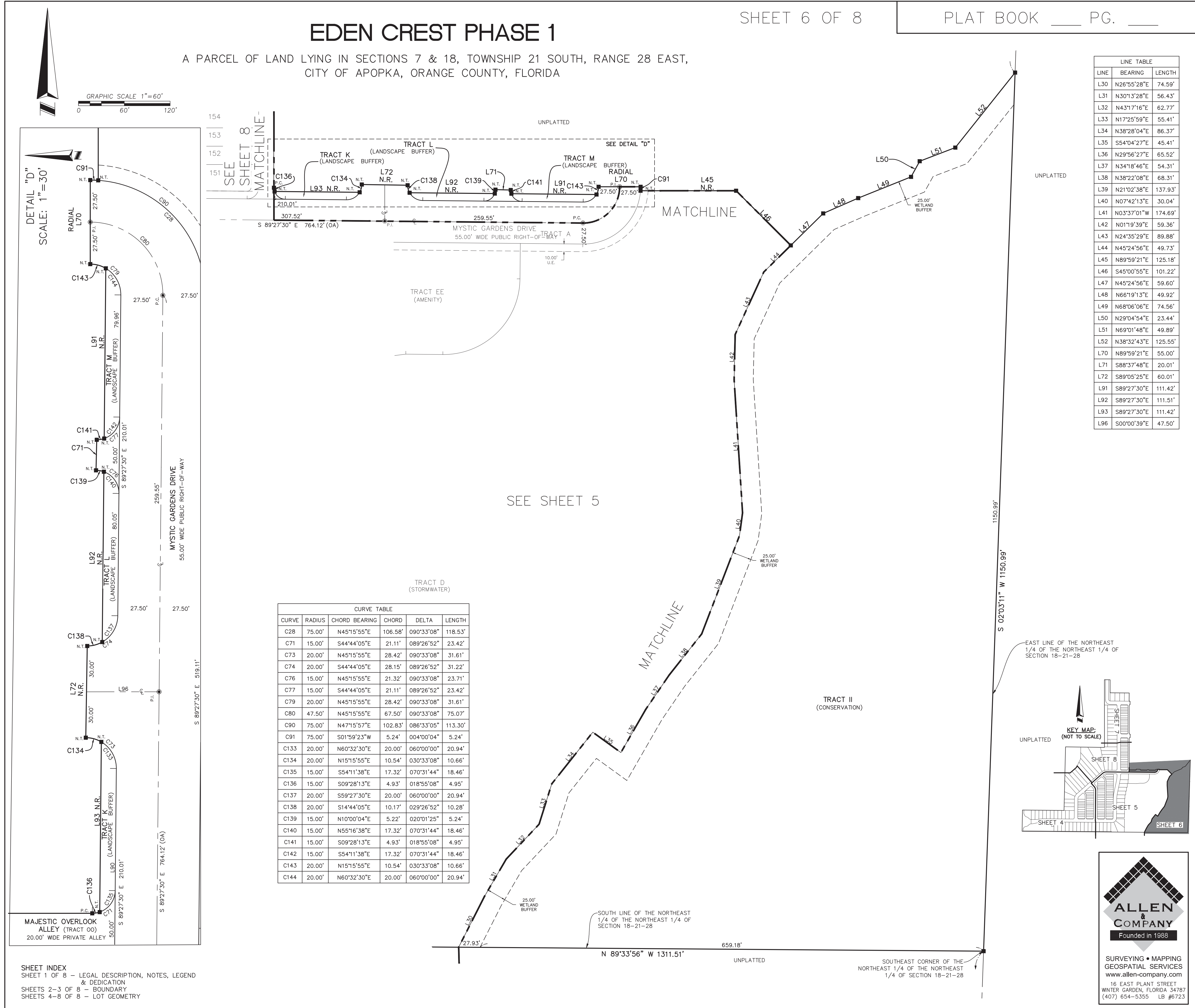
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C52	527.50'	S06°08'35"W	102.98'	011°12'11"	103.14'
C53	20.00'	S45°32'30"W	28.28'	090°00'00"	31.42'
C54	15.00'	N44°27'30"W	21.21'	090°00'00"	23.56'
C55	87.50'	N69°34'54"E	62.60'	041°55'11"	64.02'
C56	45.00'	N45°32'30"E	63.64'	090°00'00"	70.69'
C57	500.00'	S06°08'35"W	97.61'	011°12'11"	97.76'
C58	425.00'	N05°52'01"E	87.04'	011°45'19"	87.20'
C59	85.00'	N20°25'06"W	60.81'	041°55'11"	62.19'
C60	47.50'	N45°15'55"E	67.50'	090°33'08"	75.07'

CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C90	75.00'	N47°15'57"E	102.83'	086°33'05"	113.30'
C91	75.00'	S01°59'23"W	5.24'	004°00'04"	5.24'
C109	20.00'	S59°27'30"E	20.00'	060°00'00"	20.94'
C110	20.00'	S14°27'30"E	10.35'	030°00'00"	10.47'
C111	15.00'	N55°16'38"E	17.32'	070°31'44"	18.46'
C112	15.00'	N10°16'38"E	5.07'	019°28'16"	5.10'
C113	75.00'	N21°09'55"W	51.83'	040°25'34"	52.92'
C114	75.00'	N00°12'19"W	1.96'	001°29'38"	1.96'
C115	15.00'	S54°11'38"E	17.32'	070°31'44"	18.46'

CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C116	15.00'	S09°11'38"E	5.07'	019°28'16"	5.10'
C117	20.00'	N60°32'30"E	20.00'	060°00'00"	20.94'
C118	20.00'	N15°32'30"E	10.35'	030°00'00"	10.47'
C119	70.00'	N79°00'50"E	27.98'	023°03'20"	28.17'
C120	70.00'	N52°29'09"E	36.23'	030°00'01"	36.65'
C121	70.00'	N23°11'51"E	34.55'	028°34'36"	34.91'
C122	70.00'	N04°43'31"E	10.21'	008°22'03"	10.22'
C124	95.00'	N00°02'53"W	1.96'	001°10'45"	1.96'
C125	95.00'	N10°24'48"W	32.26'	019°33'04"	32.42'

CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C126	95.00'	N25°57'06"W	19.08'	011°31'33"	19.11'
C127	95.00'	N36°32'47"W	16.00'	009°39'49"	16.02'
C128	452.50'	N04°35'32"E	72.63'	009°12'22"	72.71'
C129	452.50'	N10°28'12"E	20.13'	002°32'57"	20.13'
C130	472.50'	S01°09'09"W	10.08'	001°13'19"	10.08'
C131	472.50'	S05°25'01"W	60.22'	007°18'25"	60.26'
C132	472.50'	S10°24'27"W	22.05'	002°40'27"	22.05'

A PARCEL OF LAND LYING IN SECTIONS 7 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

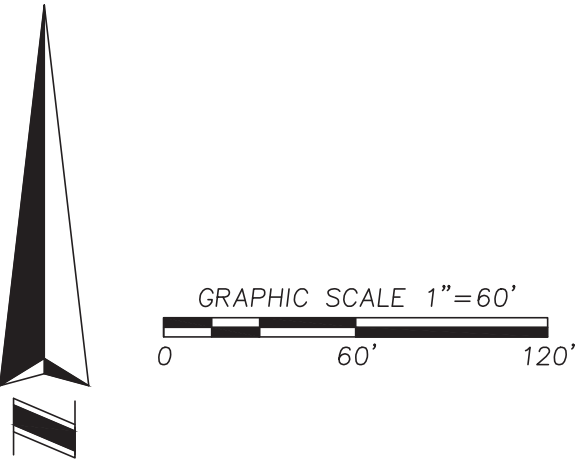


EDEN CREST PHASE 1

A PARCEL OF LAND LYING IN SECTIONS 7 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

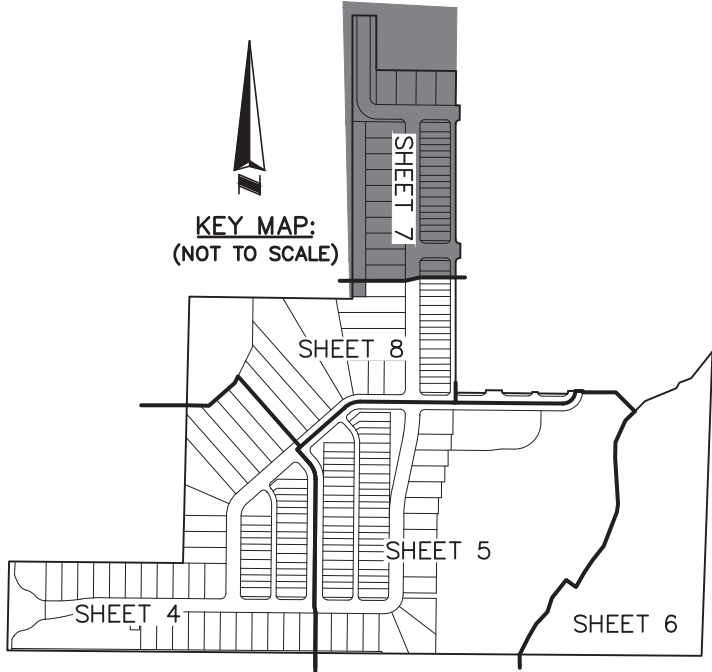
SHEET 7 OF 8

PLAT BOOK ____ PG. ____



LINE TABLE		
LINE	BEARING	LENGTH
L99	N89°17'38"W	180.11'
L136	S89°17'38"E	3.13'
L137	N89°17'38"W	2.07'

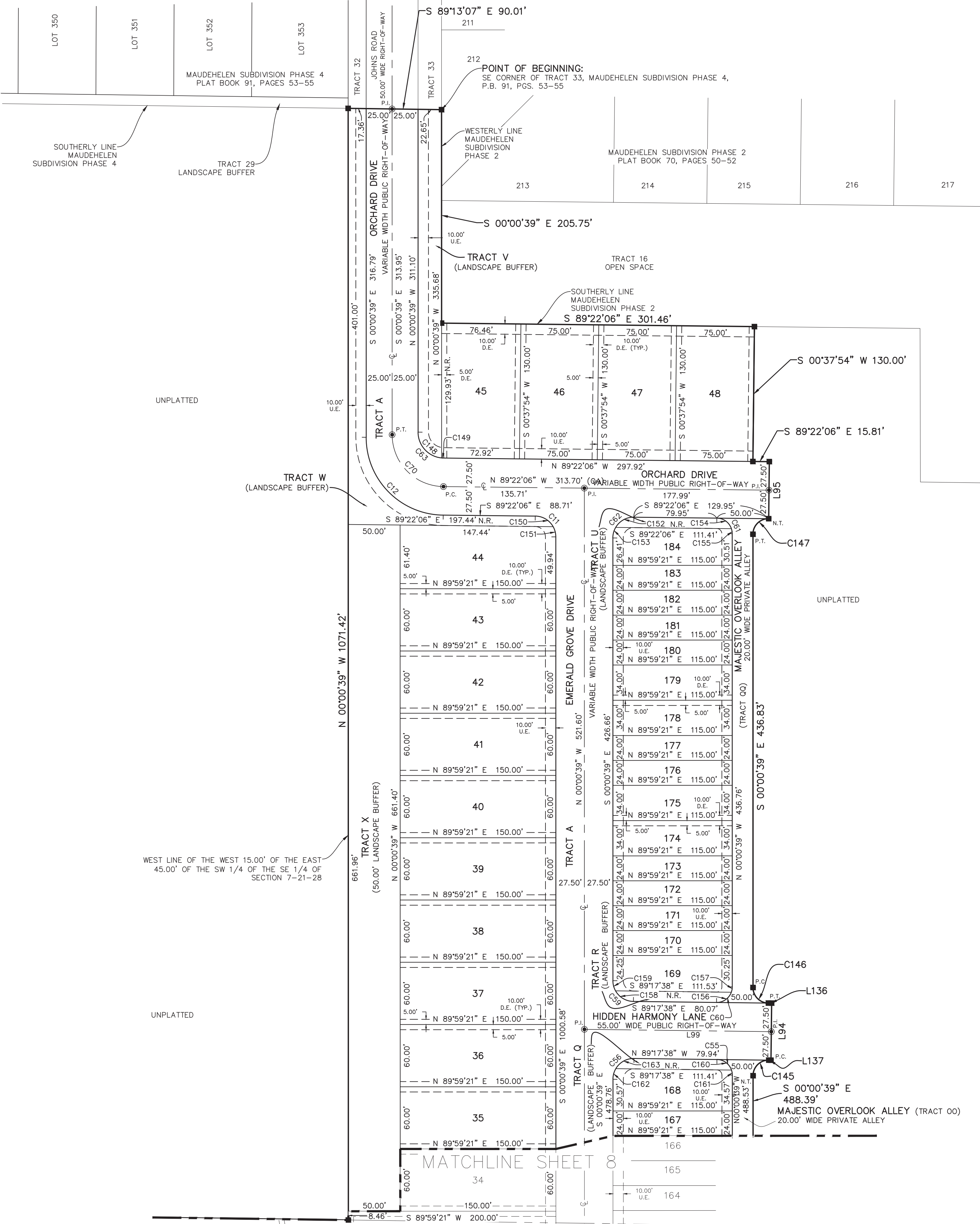
CURVE TABLE					
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C11	20.00'	S44°41'22"E	28.13'	089°21'27"	31.19'
C12	75.00'	S44°41'22"E	105.47'	089°21'27"	116.97'
C55	15.00'	N44°39'08"W	21.08'	089°16'59"	23.37'
C56	20.00'	S45°20'52"W	28.46'	090°43'01"	31.67'
C59	20.00'	S44°39'08"E	28.11'	089°16'59"	31.17'
C60	15.00'	N45°20'52"E	21.35'	090°43'01"	23.75'
C61	15.00'	N44°41'22"W	21.09'	089°21'27"	23.39'
C62	20.00'	S45°18'38"W	28.44'	090°38'33"	31.64'
C63	25.00'	N44°41'22"W	35.16'	089°21'27"	38.99'
C70	50.00'	S44°41'22"E	70.31'	089°21'27"	77.98'
C145	15.00'	S45°20'54"W	21.35'	090°42'57"	23.75'
C146	15.00'	S44°39'08"E	21.08'	089°16'59"	23.37'
C147	15.00'	S45°18'38"W	21.33'	090°38'33"	23.73'
C148	25.00'	S42°18'08"E	33.65'	084°34'59"	36.91'
C149	25.00'	S86°58'52"E	2.08'	004°46'28"	2.08'
C150	20.00'	N59°22'06"W	20.00'	060°00'00"	20.94'
C151	20.00'	N14°41'22"W	10.14'	029°21'27"	10.25'
C152	20.00'	S60°37'54"W	20.00'	060°00'00"	20.94'
C153	20.00'	S15°18'38"W	10.57'	030°38'33"	10.70'
C154	15.00'	N54°06'14"W	17.32'	070°31'44"	18.46'
C155	15.00'	N09°25'31"W	4.91'	018°49'44"	4.93'
C156	15.00'	N55°26'30"E	17.32'	070°31'44"	18.46'
C157	15.00'	N10°05'00"E	5.26'	020°11'17"	5.29'
C158	20.00'	S59°17'38"E	20.00'	060°00'00"	20.94'
C159	20.00'	S14°39'08"E	10.11'	029°16'59"	10.22'
C160	15.00'	N54°01'46"W	17.32'	070°31'44"	18.46'
C161	15.00'	N09°23'16"W	4.89'	018°45'15"	4.91'
C162	20.00'	S15°20'52"W	10.59'	030°43'01"	10.72'
C163	20.00'	S60°42'22"W	20.00'	060°00'00"	20.94'



ALLEN & COMPANY
Founded in 1988

SURVEYING • MAPPING
GEOSPATIAL SERVICES
www.allen-company.com
16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
(407) 654-5355 LB #6723

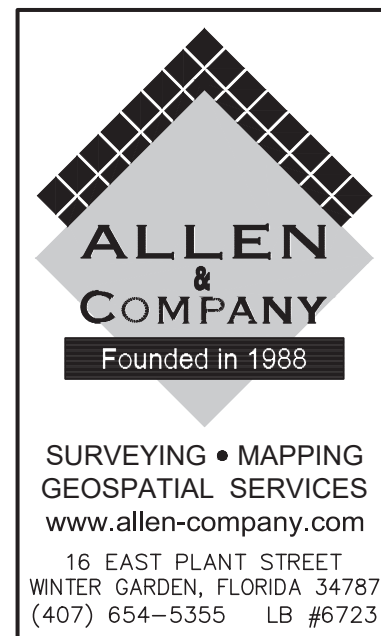
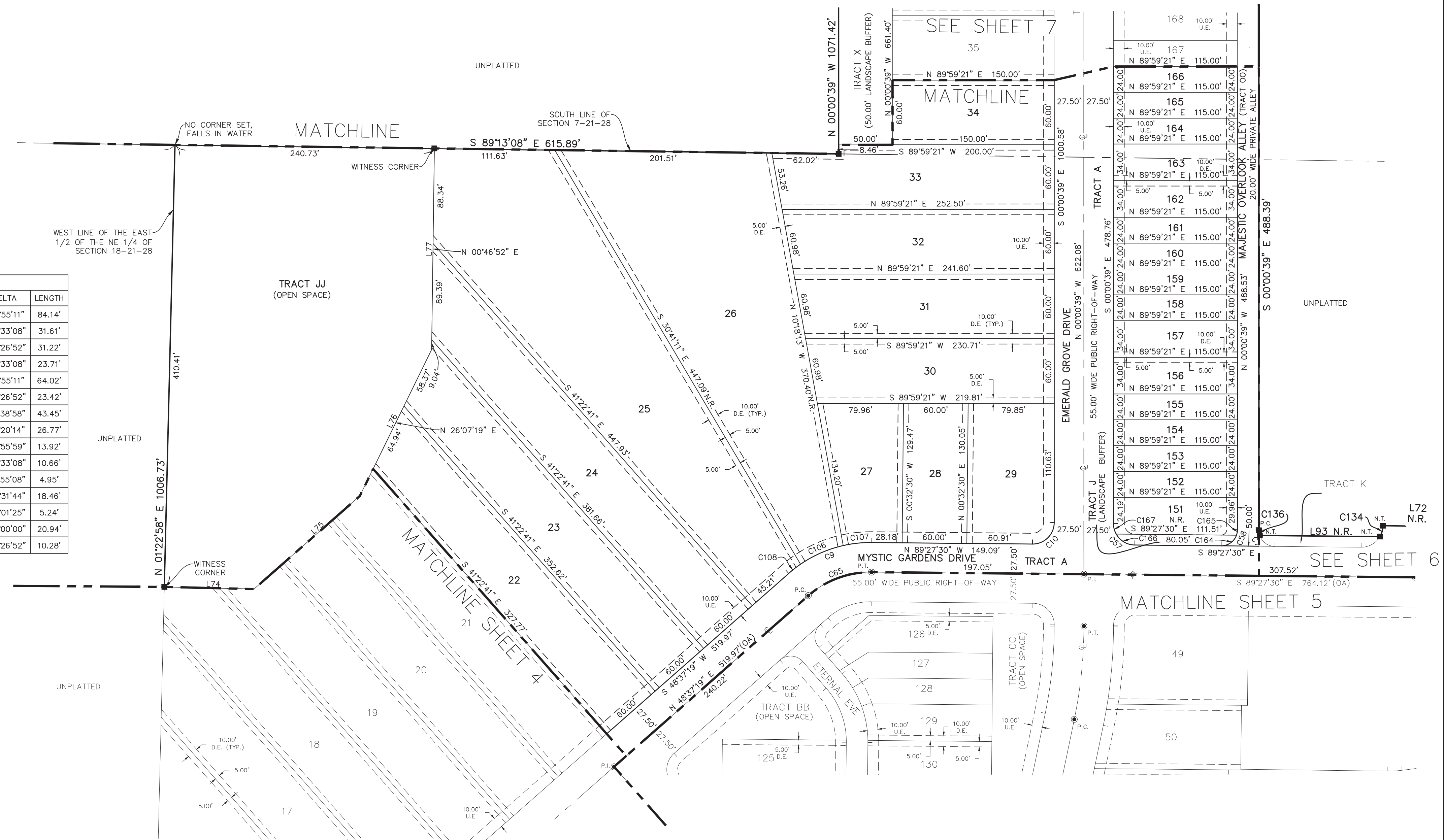
SHEET INDEX
SHEET 1 OF 8 – LEGAL DESCRIPTION, NOTES, LEGEND & DEDICATION
SHEETS 2–3 OF 8 – BOUNDARY
SHEETS 4–8 OF 8 – LOT GEOMETRY



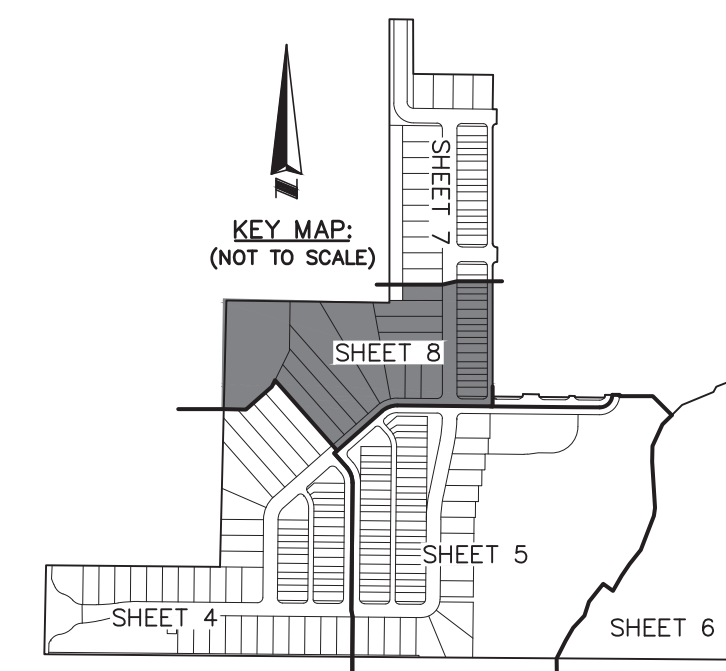
PLAT BOOK _____ PG. _____

A north arrow pointing upwards and a graphic scale bar. The scale bar is labeled "GRAPHIC SCALE 1\"=60'" and has markings for 0, 60', and 120'.

CURVE TABLE					
CURVE	RADIUS	CHORD BEARING	CHORD	DELTA	LENGTH
C9	115.00'	S69°34'54"W	82.27'	041°55'11"	84.14'
C10	20.00'	S45°15'55"W	28.42'	090°33'08"	31.62'
C57	20.00'	S44°44'05"E	28.15'	089°26'52"	31.26'
C58	15.00'	N45°15'55"E	21.32'	090°33'08"	23.71'
C65	87.50'	N69°34'54"E	62.60'	041°55'11"	64.02'
C71	15.00'	S44°44'05"E	21.18'	089°26'52"	23.42'
C106	115.00'	S66°22'47"W	43.20'	021°38'58"	43.45'
C107	115.00'	S83°52'23"W	26.71'	013°20'14"	26.71'
C108	115.00'	S52°05'18"E	13.91'	006°55'59"	13.92'
C134	20.00'	N15°15'55"E	10.54'	030°33'08"	10.66'
C136	15.00'	S092°81'3"E	4.93'	018°55'08"	4.95'
C164	15.00'	N55°16'38"E	17.32'	70°31'44"	18.46'
C165	15.00'	N10°00'04"E	5.22'	020°01'25"	5.24'
C166	20.00'	S59°27'30"E	20.00'	060°00'00"	20.94'
C167	20.00'	S144°44'05"E	10.17'	029°26'52"	10.28'



SHEET INDEX
SHEET 1 OF 8 - LEGAL DESCRIPTION, NOTES, LEGEND
 & DEDICATION
SHEETS 2-3 OF 8 - BOUNDARY
SHEETS 4-8 OF 8 - LOT GEOMETRY



FOR

SECTION 05, TOWNSHIP 21, RANGE 28

APOPKA, FL 32712

NOVEMBER 2024

NO VARIANCES
AND
NO WAIVERS

AGENCIES TO BE NOTIFIED

CITY OF APOPKA:
120 EAST MAIN STREET
APOPKA, FL 32703
(407) 703-1700

CITY OF APOPKA PUBLIC
SERVICES:
748 EAST CLEVELAND STREET
APOPKA, FL 32703
(407) 703-1731

FDFP:
3319 MAGUIRE BLVD
SUITE 232
ORLANDO, FL 32803
(407) 894-7550

SPECTRUM:
2211 LUCIEN WAY
MAITLAND, FL 32751
(407) 215-5966

LAKE APOPKA NATURAL GAS:
38 NORTH PARK AVENUE
APOPKA, FL 32703
(407) 656-2734

SJRWMD:
2501 SOUTH BINION ROAD
APOPKA, FL 32703
(407) 877-1658

1. PROPOSED SINGLE-STORY CONCRETE BLOCK BUILDING
2. STRUCTURE TO BE USED FOR MEDICAL / RETAIL BUILDING
3. EXISTING DRIVE CONNECTING ERROR PARKWAY AND SHOPPING CENTER.
4. PROVIDE PAVED PARKING AREA
5. PROVIDE TWO DRY DETENTION PONDS
6. PROVIDE SIGNAGE AND STRIPING
7. PROVIDE WATER AND SEWER CONNECTIONS
8. UTILITIES PROVIDED BY CITY OF APOPKA
9. TOTAL EXISTING LOT SIZE: 1.49 ACRES
10. TOTAL DEVELOPED AREA: 1.49 ACRES
11. OCCUPANCY TYPE: C-C
12. MUNICIPALITY: CITY OF APOPKA

05-21-28-0000-00-042

IF THE CONTRACTOR DETERMINES THAT IMPORT OR EXPORT OF FILL DIRT IS REQUIRED, THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A HAULING PERMIT.

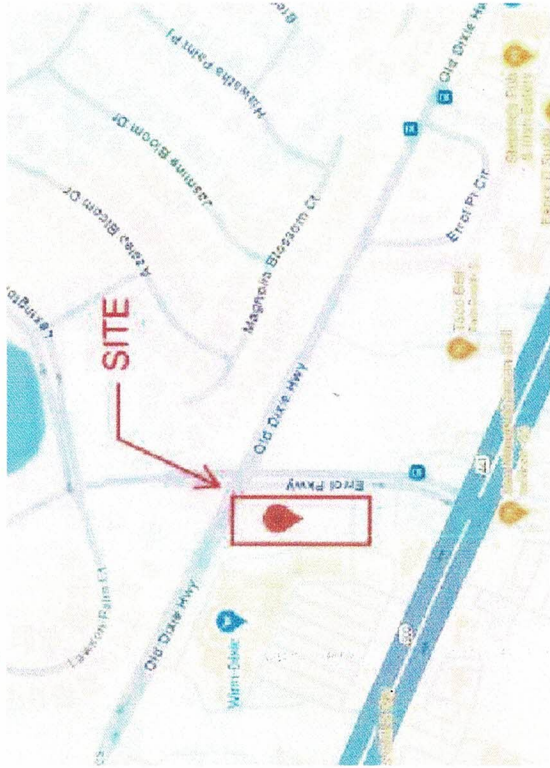
1.	POTABLE WATER:	CITY OF APOPKA
2.	SANITARY SEWER:	CITY OF APOPKA
3.	SITE DEVELOPMENT PLAN:	CITY OF APOPKA
4.	STORMWATER:	SJRWMD
5.	WATER MAIN:	N/A
6.	SEWER MAIN:	N/A

DEVELOPER/OWNER:
MKS ERROL PARKWAY LLC.
12714 JACOB GRACE CT.
WINDERMERE, FL 32712-5711
(407) 808-2150
CONTACT: KHURRAM SHAHZAD

ENGINEER:
TAYLOR ENGINEERING AND DESIGN LLC
183 SAVANNAH PARK LOOP
CASSELBERRY, FL 32707
PH: (407) 592-6779
CONTACT: VAL TAYLOR, P.E.
VAL@TAYLORCIVIL.COM

SURVEYOR:
IRELAND & ASSOCIATES SURVEYING, INC.
800 CURRENCY CIRCLE
SUITE 1020
LAKE MARY, FL 32746
(407) 678-3366

LOCATION MAP



ENERGY CONSERVATION

PROVIDE SKYLIGHTS IN AN AMOUNT NECESSARY TO ENSURE NATURAL LIGHTING IS PROVIDED TO AT LEAST 25 PERCENT OF THE HABITABLE ROOMS IN THE STRUCTURE. (BUILDING PERMIT)	0.50
USE CENTRAL AIR CONDITIONERS THAT ARE ENERGY STAR QUALIFIED. (BUILDING PERMIT)	0.50
USE OF ONLY SOLAR OR TANK-LESS WATER HEATING SYSTEMS THROUGHOUT THE STRUCTURE. (BUILDING PERMIT)	0.50
USE VEGETATION OR VEGETATED STRUCTURES TO SHADE HVAC UNITS.	0.25

TRANSPORTATION

PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE SIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING ENTRANCE. (COA DRG SITE PLAN)	0.25
PROVIDE MORE BICYCLE PARKING THAN REQUIRED BY SEC. 5.1.11, BICYCLE PARKING STANDARDS, WHILE ENSURING THAT ALL OTHER BICYCLE PARKING STANDARDS IN SECTION 5.1, OFF-STREET PARKING, BICYCLE PARKING, AND LOADING SPACES ARE MET. (COA DRG SITE PLAN)	0.50 PER ADDITIONAL 5 PERCENT BICYCLE PARKING SPACES

SUSCEPTIBILITY TO NATURAL HAZARDS

INSTALL OPERABLE WINDOWS TO ALLOW FOR NATURAL VENTILATION IN THE EVENT OF POWER FAILURES. (BUILDING PERMIT)	0.25
POINTS	
REQUIRED:	3.00
PROVIDED:	3.25

FLORIDA ENVIRONMENTAL REGULATION SPECIALISTS, INC. (FER)

ENVIRONMENTAL REPORT - PHASE 1 ENVIRONMENTAL REPORT - PHASE 2	YOVAISH ENGINEERING SERVICES, LLC.	AUGUST 13, 2024 SEPTEMBER 18, 2024
SUBSOIL AND GROUNDWATER LEVEL INVESTIGATION	TRAFFIC PLANNING AND DESIGN, INC.	NOVEMBER 9, 2023
TRAFFIC IMPACT ANALYSIS		AUGUST, 2024
STORMWATER MANAGEMENT REPORT CANTILEVERED RETAINING WALL REPORT	TAYLOR ENGINEERING & DESIGN, INC.	MONTH DAY, 2024 MONTH DAY, 2024
EXHIBITS		
AERIAL FIRE TRUCK TURN EXHIBIT PHOTOMETRICS PHOTOMETRIC CUT-SHEETS BUILDING RENDERINGS		OCTOBER, 2024 OCTOBER, 2024 OCTOBER, 2024 OCTOBER, 2024 OCTOBER, 2024
LANDSCAPE AND IRRIGATION DESIGN - RICHARD T. ABT		
LANDSCAPE AND IRRIGATION PLANS		MONTH DAY, 2024
IRELAND & ASSOCIATES SURVEYING, INC.		
BOUNDARY AND TOPOGRAPHIC SURVEY / TREE		JUNE 14, 2024

INDEX OF DRAWINGS

1. COVER SHEET
2. GENERAL NOTES
3. DEMOLITION PLAN
4. SITE PLAN
5. PARKING PLAN
6. PAVING, GRADING AND DRAINAGE PLAN
7. UTILITY PLAN
8. ROOF DOWNSPOUT PLAN
9. CITY OF APOKA DETAILS
10. CITY OF APOKA DETAILS
11. STANDARD DETAILS
12. DRAINAGE DETAILS
13. RETAINING WALL DETAILS
14. CROSS SECTIONS



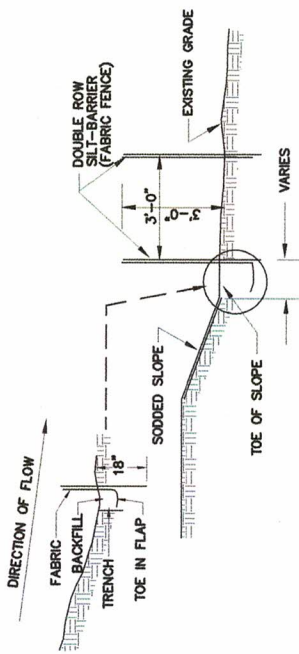
A FULL SERVICE CIVIL ENGINEERING AND BUILDING DESIGN COMPANY
FBPE CERTIFICATE OF AUTHORIZATION NO. 35963

EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

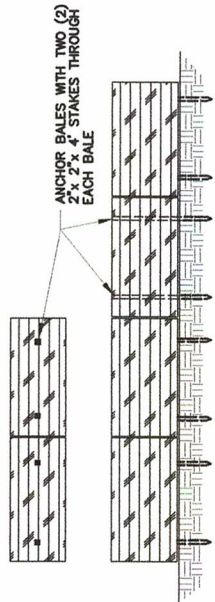
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL, TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.

NPDES INSPECTION NOTE:

CONSTRUCTION SITE MUST BE UNDER THE CONTROL OF NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM). ALL INSPECTIONS MUST BE COMPLETED WITH A REPORT BY A STATE CERTIFIED NPDES INSPECTOR.



FABRIC FENCE SILT-BARRIER
N.T.S.



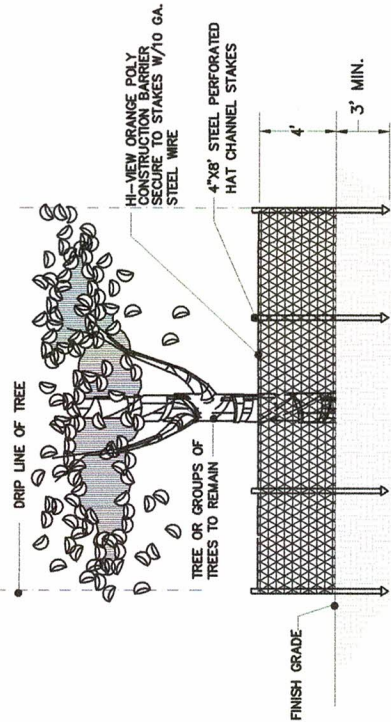
BALED HAY SILT-BARRIER
N.T.S.

PERIMETER EROSION AND SEDIMENT CONTROL

- NOTES:
- CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE. PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE. THE BARRIER MUST REMAIN IN PLACE UNTIL UPLAND VEGETATION IS ESTABLISHED.
 - BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

SILT BARRIER DETAIL

NOT TO SCALE



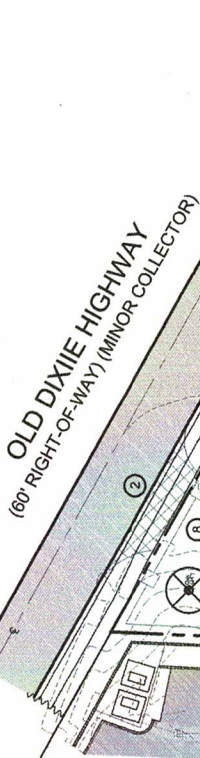
NOTE:
NO STOCKPILING OF MATERIALS, TRASH OR DEBRIS SHALL BE PERMITTED WITHIN THE BARRIER.

TREE PROTECTION BARRIER

NOT TO SCALE

TREE PROTECTION

EXISTING TREES SHALL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE AND PROTECTED DURING CONSTRUCTION PER THE CITY'S DEVELOPMENT DESIGN GUIDELINES SECTION 4.5.



GENERAL NOTES:

- PROTECTIVE BARRIERS ARE USED DURING LAND ALTERATION AND CONSTRUCTION. ACTIVITIES TO PROTECT TREES AND NATURAL AREAS TO BE RETAINED ON A SITE.
- PROTECTIVE BARRIERS MUST BE ERECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SODDING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADE AREA. THE FOLLOWING REPRESENTS THE COUNTY'S MINIMUM PROTECTIVE BARRIER SPECIFICATIONS.
- TREES TO RESTRICT ACCESS INTO THE AREA WITHIN THE DRIP LINE OF A TREE. A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE MATERIAL, IS PLACED AROUND THE TREE AT THE DRIP LINE, EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE TREE AT THE DRIP LINE. A TREE IS THE IMAGINARY, VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. BARRIER SPECIFICATIONS FOR TREES: FOUR CORNER UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER CONNECTED BY HORIZONTAL MEMBERS OF NO LESS THAN 1"x4" LUMBER, OR UPRIGHT STAKES SPACED AT 5' INTERVALS OF NO LESS THAN 2"x2" LUMBER CONNECTED BY SILT SCREEN FABRIC OR MATERIAL OF COMPARABLE DURABILITY.
- NATURAL AREAS - TO RESTRICT ACCESS INTO AREAS WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE NOT AUTHORIZED, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT IS PLACED ALONG THE PERIMETER OF SUCH BARRIER SPECIFICATIONS FOR NATURAL AREAS: UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER SPACED NO MORE THAN 25' APART AND CONNECTED BY TWINE FLAGGED WITH PLASTIC SURVEYING TAPE AT REGULAR INTERVALS OF 5'-10'. OTHER METHODS OF DEMARCATION WILL BE CONSIDERED DEPENDING UPON THE CHARACTERISTICS OF THE SITE. A. TO PROTECT ALL ABOVE GROUND PORTIONS OF TREES AND OTHER SIGNIFICANT VEGETATION FROM MECHANICAL DAMAGE. B. TO PROTECT ROOT SYSTEMS FROM COMPACTION. C. TO PROVIDE AWARENESS OF PROTECTED AREAS TO EQUIPMENT.
- DURING LAND ALTERATIONS AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL, UNLESS APPROVED BY THE CITY OF APOPKA, TO REMOVE VEGETATION (EXCEPT BY HAND) BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN ON-SITE.
- ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
- IN ORDER TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE MEASURES (I.E. HAY BALES, BARRIERS, SODDING, AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
- NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE, AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAY MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE INSTALLATION OF ADEQUATE EROSION CONTROL AS REQUIRED BY CITY OF APOPKA, AND PER PLANS. THESE DEVICES MUST BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL ALL LOOSE SOILS HAVE STABILIZED. BMP MAINTENANCE TO BE IN LINE WITH NPDES REQUIREMENTS. BMP INSPECTIONS MUST OCCUR AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF A QUALIFYING RAIN EVENT 1/2" OR MORE OF 24 HOUR RAIN FALL.
- ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. NO VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- SUCH MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
- ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING STATE-COUNTY-CITY OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR/BUILDER.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. A CERTIFICATE OF COMPLIANCE WILL NOT BE ISSUED UNTIL THE ABOVE REQUIREMENTS HAVE BEEN MET.
- EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE CITY OF APOPKA AND THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT, SUBJECT TO AUTHORIZATION AND APPROVED VARIANCES, WAIVERS, AND/OR CONDITIONAL CHANGES.
- THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE CITY OF APOPKA. CONTRACTORS SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENT DURING CONSTRUCTION.
- CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
- ONLY TREES MARKED WILL BE REMOVED.

CONSTRUCTION NOTES:

- CONCRETE CURB TO BE REMOVED
- CONCRETE CURB AND SIDEWALK TO BE REMOVED
- EXISTING POND TO BE REGRADED
- EXISTING LIGHT POLES TO BE REMOVED
- EXISTING LIGHT POLES TO BE PROTECTED
- EXISTING WOOD FENCE TO BE PARTIALLY REMOVED
- TREE PROTECTION BARRIER, SEE DETAIL.
- SEE SILT FENCE DETAIL.
- GRAVEL CONSTRUCTION ENTRANCE (SEE SHEET 12 FOR DETAIL).
- VEHICLE AND CONCRETE WASH AREA (SEE SHEET 12 FOR DETAIL).

LEGEND

- SILT FENCE
- TREE TO BE REMOVED
- TO BE REMOVED

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DEMOLITION AND EROSION CONTROL PLAN

SCALE: 1" = 30'

DEMOLITION AND
EROSION CONTROL
PLAN

430 ERROL PARKWAY
APOPKA, FLORIDA 32703



DATE: N/A

SHEET

3 OF 14

REVISIONS

NO.

DATE

07/12/24

12/09/2024

SCALE: N.T.S.

DESIGNED BY: VPT

SECTION: 05

APPROVED BY: VPT

DATE: 28

SITE DATA TABLE

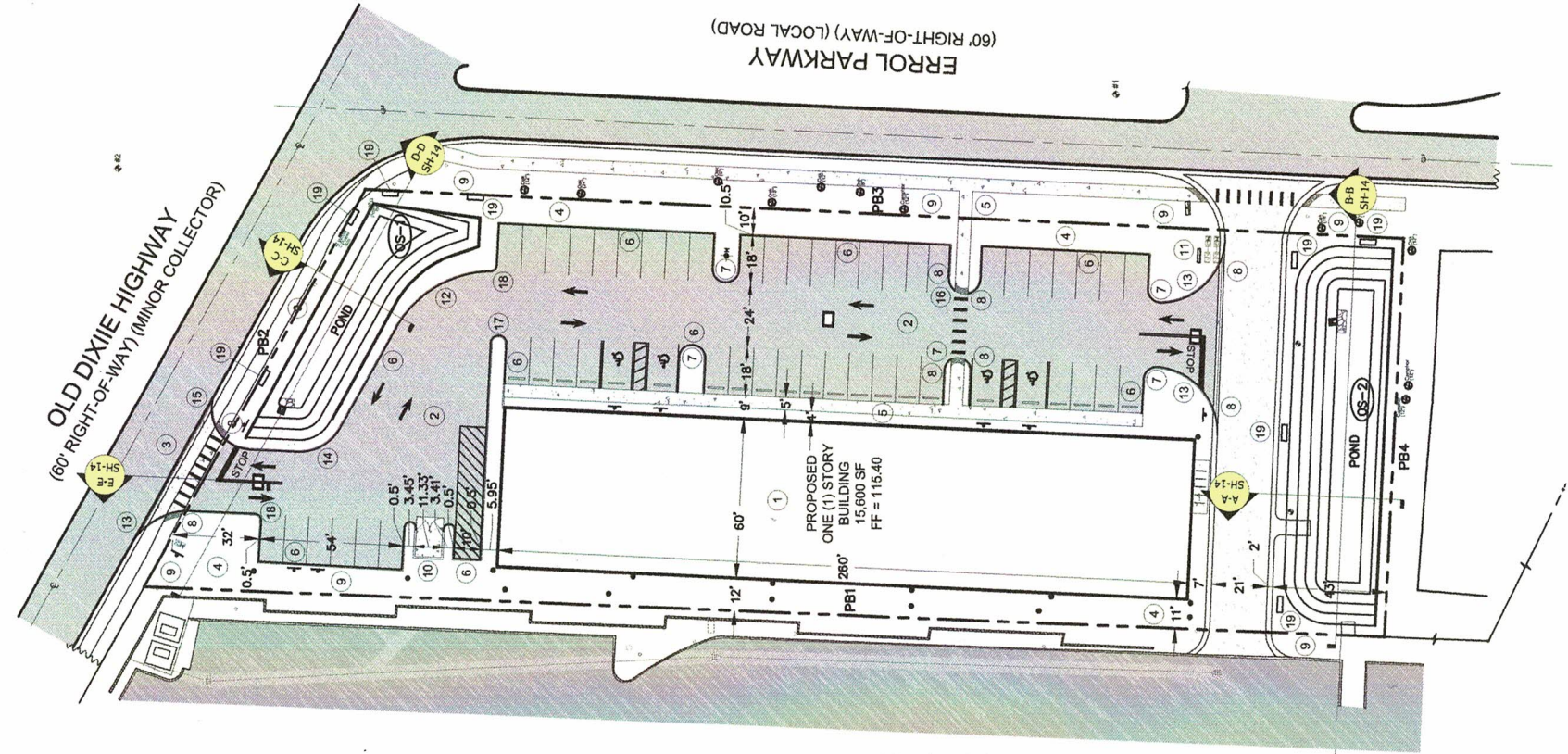
<u>CURRENT ZONING:</u>	C-C	<u>FLOOR AREA RATIO ALLOWED:</u>	= 0.25
<u>FUTURE LAND USE:</u>	C-C	<u>FLOOR AREA RATIO PROVIDED:</u>	= 0.24
<u>BUILDING SETBACK:</u>			
FRONT	= 10' (FACING ARROL PARKWAY)	TOTAL SQUARE FOOTAGE	= 15,600 SF
N SIDE	= 10' (FACING OLD DIXIE HIGHWAY)	MAX. BUILDING HEIGHT	= 35 FT
S SIDE	= 10'	ACTUAL BUILDING HEIGHT	= 24 FT
REAR	= 10'		
<u>LANDSCAPE BUFFER:</u>			
FRONT	= N/A (FACING ARROL PARKWAY)	IMPERVIOUS (BUILDINGS)	= 15,600 SF = 0.358 AC (23.99%)
N SIDE	= N/A (FACING OLD DIXIE HIGHWAY)	IMPERVIOUS (DRIVEWAYS)	= 25,788 SF = 0.592 AC (39.65%)
S SIDE	= N/A	PERVIOUS	= 23,650 SF = 0.543 AC (36.36%)
REAR	= N/A	TOTAL PROPERTY (SF & AC)	= 65,038 SF = 1.493 AC (100.00%)
<u>PARKING REQUIREMENTS:</u>			
3 SPACES PER 1,000 SF OF OFFICE / PERSONAL SERVICES			
3 SPACES X (15,600 SF / 1,000 SF) = 47 SPACES			
4 SPACES (HANDICAP) = 04 SPACES			
TOTAL SPACES REQUIRED = 51			
<u>PROPOSED CONDITIONS:</u>			
IMPERVIOUS (BUILDINGS) = 15,600 SF = 0.358 AC (23.99%)			
IMPERVIOUS (DRIVEWAYS) = 25,788 SF = 0.592 AC (39.65%)			
PERVIOUS = 23,650 SF = 0.543 AC (36.36%)			
TOTAL PROPERTY (SF & AC) = 65,038 SF = 1.493 AC (100.00%)			
<u>PARKING PROVIDED:</u>			
47 SPACES @ 9'x18' (REGULAR)			
2 SPACES @ 8'x18' (COMPACT)			
4 SPACES @ 12'x18' (HANDICAP)			
53 SPACES TOTAL PROVIDED			
<u>PARCEL ID NUMBERS:</u>			
05-21-28-0000-00-042			

PROPERTY BOUNDARY INFORMATION		
PROPERTY BOUNDARY:	BEARING:	LENGTH:
PB1	N 02°18'14" E	467.12'
PB2	S 80°53'41" E	171.23'
PB3	S 02°42'34" W	391.04'
PB4	N 87°16'10" W	150.07'

OPEN SPACE		
TABLE 5.4.5 OPEN SPACE STORMWATER MANAGEMENT		
TRANSPORTATION		
NUMBER:	ITEM:	
OS-1	OPEN SPACE AREA 1	
OS-2	OPEN SPACE AREA 2	

OPEN SPACE CALCULATIONS	
REQUIRED:	
7.5% OF TOTAL PROPERTY	
TOTAL PROPERTY = 65,038 SF	
0.075 X 65,038 SF = 4,877.85 SF	
TOTAL OPEN SPACE REQUIRED = 4,878 SF	
PROVIDED:	
75% OF STORMWATER PONDS	
POND 1 AREA (OPEN SPACE 1) = 2,731.09 SF	
POND 2 AREA (OPEN SPACE 2) = 4,884.22 SF	
PONDS TOTAL = 2,731.09 SF + 4,884.22 SF = 7,615.31 SF	
0.75 X 7,615.31 SF = 5,711.48 SF	
TOTAL OPEN SPACE PROVIDED = 5,711 SF	

GENERAL NOTES	
1.	THE BUILDING AND ALL PROPOSED INFRASTRUCTURES, E.G., PAVEMENT, DRAINAGE, SIDEWALKS, SANITARY COLLECTION, POTABLE WATER AND FIRE PROTECTION, ETC. WILL BE CONSTRUCTED IN SINGLE PHASE.
2.	NO OUTSIDE STORAGE OR MAINTENANCE.
3.	INTENDED USE: COMMUNITY COMMERCIAL DISTRICT.
4.	DIRECTIONAL ARROWS PER FDOT STANDARD INDEX 17346 (LATEST EDITION).



SITE DEVELOPMENT PLAN

SCALE: 1" = 30'



CONSTRUCTION NOTES:

- CONSTRUCT ONE (1) STORY BUILDING. SEE ARCHITECTURAL PLANS FOR DOOR AND WINDOW LOCATIONS PLUS DIMENSIONS.
- CONSTRUCT 1 1/2" ASPHALTIC CONCRETE SURFACE (TYPE S-III), 6" LIMEROCK AND 12" STABILIZED SUBBASE.
- RIGHT-OF-WAY: CONSTRUCT 6" REINFORCED CONCRETE WITH 6" X 6" 10X10 WWF OR FIBERMESH, 12" STABILIZED SUBBASE. (REFER TO PLAN SHEETS 12 FOR CONSTRUCTION DETAILS.)
- ALL GREEN AREAS TO BE SODDED AND/OR LANDSCAPED.
- CONSTRUCT 5' WIDE CONCRETE SIDEWALK. (SEE PLAN SHEETS 6 & 11)
- CONSTRUCT STANDARD FOOT TYPE "D" CURB PER THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX 300, LATEST EDITION.
- ALL CURB RADII ARE 4'-6" AS MEASURED FROM THE INSIDE FACE OF CURB UNLESS OTHERWISE NOTED.
- 3" CONCRETE CURB TAPER.
- REPLACE EXISTING SOD EQUAL TO OR BETTER THAN ORIGINAL CONDITION.
- DUMPSTER ENCLOSURE (SEE PLAN SHEET 10). 10'-0" X 10'-0" X 6" THICK CONCRETE PAD (SEE PLAN SHEET 12).
- MONUMENT SIGN: 5'-0" X 3'-0" (SEE PLAN SHEET 12).
- CONSTRUCT 42' RADIUS.
- CONSTRUCT 25' RADIUS.
- CONSTRUCT 17.5' RADIUS.
- CONSTRUCT 15' RADIUS.
- CONSTRUCT 6' RADIUS.
- CONSTRUCT 3' RADIUS.
- CONSTRUCT 2' RADIUS MEASURED FROM INSIDE FACE OF CURB.
- INSTALL EIGHT (8) PARK BENCHES. BENCH LOCATION, TYPE AND SIZE TO MEET CITY OF APOPKA REQUIREMENTS.

GREEN BUILDING POINTS

SEE SHEET 5 (PARKING PLAN) FOR DESIGN INFORMATION.

PARKING

SEE SHEET 5 (PARKING PLAN) FOR DESIGN INFORMATION.

CONSTRUCTION PHASING

SINGLE PHASE

RETAINING WALLS

OWNED AND MAINTAINED BY THE PROPERTY OWNER

SURVEY NOTES:

- THIS PLAN INDICATES THE LOCATION OF THE PROPERTY BOUNDARY, AS PROVIDED BY IRELAND & ASSOCIATES SURVEYING, INC., A FLORIDA LICENSED LAND SURVEYING COMPANY.
- THE ENGINEER OF RECORD DOES NOT CERTIFY TO THE CORRECTNESS OF THE BOUNDARY, WHICH HAS BEEN PROVIDED FOR INFORMATIONAL AND CIVIL ENGINEERING DESIGN PURPOSES ONLY.

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OF FLORIDA, INC.

SITE DEVELOPMENT PLAN

436 ERROL PARKWAY
APOPKA, FLORIDA 32703



This plan has been electronically signed and sealed by the P. Taylor, P.E. on the date indicated above. It is the responsibility of the engineer to ensure that the plan is a true and accurate representation of the work performed.

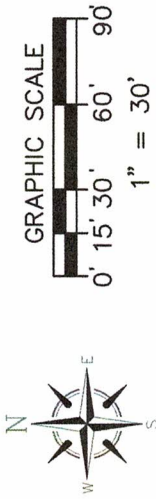
taylor
engineering & design
PHONE (407) 982-8779
WWW.TAYLORENGINEERING.COM
CA # 35963

TAYLOR ENGINEERING & DESIGN, LLC
181 SAVANNAH PARK LOOP
CASSELBERRY, FL 32707

NAVD83

SHEET

4 OF 14



CONSTRUCTION NOTES:

1. MATCH EDGE OF EXISTING PAVEMENT WITH SAW CUT.
2. CONTRACTOR TO ENSURE POSITIVE FLOW TO INLETS.
3. RETAINING WALL (TRINITY SYSTEM) WITH 4" HIGH BLACK CHAIN LINK FENCE (SEE PLAN SHEET 13).
4. CONTRACTOR TO ENSURE POSITIVE FLOW TO YARD DRAINS.
5. SIDEWALK ELEVATION FLUSH WITH PAVEMENT.
6. CONSTRUCT 5' WIDE CONCRETE SIDEWALK AT 2.00% MAXIMUM GRADE (SEE PLAN SHEET 11) DRAIN AWAY FROM BUILDING).
7. CONCRETE BIKE RACK PAD: ELEVATION - FINISHED GRADE (DRAIN AWAY FROM BUILDING).
8. DUMPSTER ENCLOSURE: CONTRACTOR TO ENSURE POSITIVE FLOW TO PAVEMENT AREA.

DRAINAGE NOTES

1. ALL PIPING IS MANUFACTURED BY ADVANCE DRAINAGE SYSTEMS.
2. ALL CONCRETE STRUCTURES MANUFACTURED BY MACK CONCRETE.
3. CONTRACTOR TO GRADE SOILS SO THAT THE ELEVATIONS ARE 0.10' BELOW IMMEDIATE ADJACENT SIDEWALK.
4. ALL CONCRETE SIDEWALKS ARE TO BE CONSTRUCTED AT 2.00% MAXIMUM SLOPE PER THE ADA.

DETENTION POND RECOVERY

ALL DETENTION PONDS SHALL BE DRY WITHIN 72 HOURS FOLLOWING A STORM EVENT.

EXISTING UNDERGROUND AND OVERHEAD UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES.

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ROOF DOWNSPOUT DESIGN

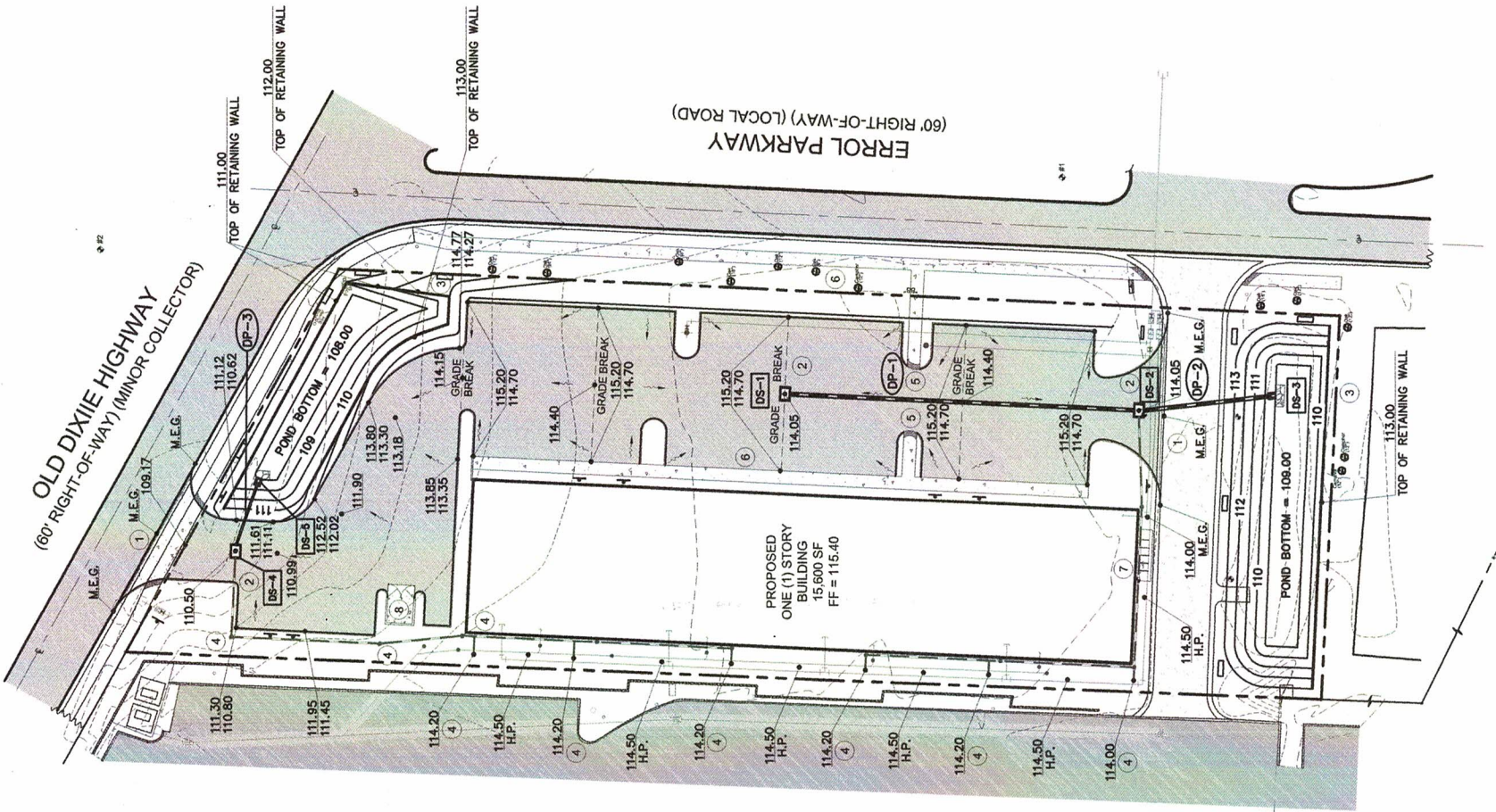
SEE SHEET 8 (ROOF DOWNSPOUT PLAN) FOR DESIGN INFORMATION.

DRAINAGE PIPE TABLE

NUMBER	TYPE	SIZE (ADS)	GRADE	LENGTH
DP-1	HDPE	15"	1.00%	135.00'
DP-2	HDPE	15"	1.00%	51.22'
DP-3	RCP	15"	1.00%	28.00'

DRAINAGE STRUCTURE TABLE

NUMBER	TYPE OF STRUCTURE	RIM	INVERTS
DS-1	TYPE 'C' INLET	114.05	S 110.95
DS-2	TYPE 'C' INLET	114.05	N 109.60 S 109.50 W 109.00
DS-3	MITERED END SECTION	-	N 109.00
DS-4	TYPE 'C' INLET	110.50	E 108.28 W 109.00
DS-5	MITERED END SECTION	-	W 108.00



PAVING, GRADING
& DRAINAGE PLAN

428 ERROL PARKWAY
APOPKA, FLORIDA 32703



taylor
engineering & design
TAYLOR ENGINEERING & DESIGN, LLC
183 SAVANNAH PARK LOOP
GAINESBORO, FL 32609
PHONE (407) 592-8779
WWW.TAYLORENGINEERING.COM
CA # 39883

NAVD83
STATE

SHEET

© OF 14

REVISIONS

DATE

NO.

PROJECT NUMBER

DATE

SCALE

SECTION

TOWNSHIP

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SANITARY SEWER STRUCTURE TABLE			
STRUCTURE NUMBER:	STRUCTURE TYPE:	RIM:	INVERTS:
S-1	TIE-IN POINT	-	110.00 W
S-2	CLEANOUT	F.G.	110.50 N
S-3	CLEANOUT	F.G.	110.66 N
S-4	CLEANOUT	F.G.	111.26 N
S-5	CLEANOUT	F.G.	112.97 N
S-6	TWO-WAY CLEANOUT	114.70	111.02 E
S-7	TWO-WAY CLEANOUT	114.70	111.67 E
S-8	TWO-WAY CLEANOUT	114.70	112.32 E
S-9	TWO-WAY CLEANOUT	114.70	111.19 E

UTILITY AND GENERAL NOTES

- POTABLE AND RECLAIMED WATER METERS TO BE INSTALLED BY THE DEVELOPER.
- ALL EQUIPMENT (INCLUDING ON THE ROOF TOP), WATER MAINS, BACKFLOW PREVENTERS AND UTILITY BOXES MUST BE FULLY SCREENED (INCLUDING AT THE REAR OF THE BUILDING).
- ALL WATER MAINS AND SEWER LATERALS SHALL HAVE A MINIMUM 3 FEET OF COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- SYMBOLS SUCH AS STRUCTURES, VALVES, METERS, BACKFLOW DEVICES, ETC. ARE NOT DRAWN TO SCALE.

WATER USAGE CALCULATIONS

NOTE: SEWER IS THE SAME AS WATER	
ITEM:	NUMBER OF F.U.'S:
3 TOILETS	9 F.U.'S
3 SINKS	3 F.U.'S
1 MOP SINK	2 F.U.'S
6 MISCELLANEOUS	6 F.U.'S
TOTAL F.U.'S PER ITEM: 9 F.U.'S + 3 F.U.'S + 2 F.U.'S + 6 F.U.'S = 20 F.U.'S	
TOTAL F.U.'S FOR THE BUILDING: 20 F.U.'S X 4 = 80 F.U.'S	
80 F.U.'S X 25 GALLONS = 2,000 (GPD) GALLONS PER DAY	
[2,000 GPD] X [1 DAY / 24 HR] X [1 HR / 60 MIN] = 1.38 GALLONS PER MINUTE	
PEAKING FACTOR = 2	
MAXIMUM DAILY DEMAND: 2,000 GPD X 2 = 4,000 GPD	
NUMBER OF SERVICE CONNECTIONS: 1	

SEWER USAGE CALCULATIONS

NOTE: SEWER IS BASED ON WATER USAGE	
80 F.U.'S X 25 GALLONS = 2,000 (GPD) GALLONS PER DAY (SUPPLY WATER)	
AVERAGE WASTE WATER FACTOR:	70% - 80% (SUPPLY WATER)
2,000 GPD X 80% = 1,600 GPD X [1 DAY / 24 HR] = 66.66 GPH	
PEAK FLOW FACTOR:	1.8
PEAK FLOW: 66.66 GPH X 1.8 = 120 (GPH) GALLON PER HOUR	
120 GPH X [120 GPH X [1 HR / 60 MINUTES]] = 2 (GPM) GALLONS PER MINUTE	

FIRE PROTECTION NOTES

- ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 250 FEET OF ALL BUILDINGS.
- FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.
- ALL BUILDINGS OVER 7,500 SF WILL BE REQUIRED TO HAVE AUTOMATIC FIRE SPRINKLER SYSTEM.
- BUILDINGS MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM IF REQUIRED TO HAVE SPRINKLERS.
- FIRE DEPARTMENT WILL REQUIRE A REMOTE FDC FOR THE FIRE SPRINKLER SYSTEM LOCATED WITHIN 25 FEET OF A HYDRANT.
- PROVIDE A FIRE LANE AT THE FDC LOCATION AND HYDRANTS.
- KNOX BOXES WILL NEED TO BE PROVIDED FOR EACH BUILDING.
- IF GATED MUST HAVE YELP SIREN ACTIVATION AND KEY CODE 1882 FOR EMERGENCY ACCESS AND KNOX KEY SWITCH.
- IF RACKS ARE INSTALLED, ANY STORAGE OVER 10 FT WILL REQUIRE A FDC SPRINKLER SYSTEM OR HEADS WILL NEED TO BE INSTALLED IN THE RACKS.

SANITARY SERVICE CONNECTION REQUEST

THE CITY OF APOPKA UTILITY DEPARTMENT AS-BUILT AND GPS MAP SHOWS UTILITY LINES FOR THE AREA OF ERROL PARKWAY AND WEST ORANGE BLOSSOM TRAIL (WINN DIXIE SHOPPING CENTER). THE MAP AND AS-BUILT INDICATE AN 8" SANITARY SEWER LINE BETWEEN THE SHOPPING CENTER RETAIL OUTLETS AND A VACANT PIECE OF REAL ESTATE (426 ERROL PARKWAY).

WE HEREBY REQUEST PERMISSION TO TIE INTO THIS EXISTING CITY OF APOPKA 8" SANITARY SEWER LINE WITH A 6" SANITARY SEWER SERVICE LINE FROM THE PROPOSED MEDICAL CENTER / RETAIL OUTLETS.

THE CITY OF APOPKA LIFT STATION #26 START UP SHEET DATED 8/1/24 IS INCLUDED IN THIS SUBMITTAL. THE ACTUAL INFLOW IS 5.875 GPM WITH PUMP #2 AT 111.025, AND PUMP #1 NOT APPLICABLE AT TIME OF REVIEW.

THE MEDICAL CENTER / RETAIL OUTLET PROJECT WILL REQUIRE THE WATER AND SEWER AMOUNTS SHOWN ON THE WATER AND SEWER USAGE CHARTS LOCATED ON THE LEFT SIDE OF THIS SHEET.



PUBLIC LIFT STATION #26 (OFF-SITE)

OWNED AND MAINTAINED BY THE CITY OF APOPKA
RIM ELEVATION = 110.81
BOTTOM ELEVATION = 98.21
SEWER MAIN CONNECTION INVERT = 109.52

UTILITY NOTES:

- EXISTING 10" PVC (C900) DOMESTIC WATER MAIN (TO REMAIN).
- EXISTING 12" PVC (C900) RE-USE MAIN (TO REMAIN).
- EXISTING WOOD POWER BOX (TO REMAIN).
- EXISTING FIRE HYDRANT (TO REMAIN).
- EXISTING FIBER OPTIC CABLE MARKER (TO REMAIN).
- EXISTING TELEPHONE RISER (TO REMAIN)
- EXISTING GAS TEST STATION (TO REMAIN).
- EXISTING CONCRETE (TO REMAIN).
- EXISTING LIGHT POLES (TO REMAIN).
- EXISTING CITY OF APOPKA LIFT STATION #26 (TO REMAIN).
- EXISTING PUBLIC ROAD (TO REMAIN).
- FIRE LINE POINT OF CONNECTION.
- 10"x6" TAPPING SLEEVE AND VALVE
- 98 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"x2"x6" TEE AND 6" DOUBLE CHECK BACK FLOW PREVENTER.
- 84 LF OF 6" Ø PVC (C-900) FIRE LINE WITH VALVE, 6"x6"x6" TEE AND A 6"x4"x6" TEE.
- 190 LF OF 6" Ø PVC (C-900) FIRE LINE WITH FIRE HYDRANT ASSEMBLY AND VALVE.
- 88 LF OF 4" Ø PVC (C-900) FIRE LINE WITH FDC CONNECTION.
- 6" Ø FIRE WATER RISER.
- WATER SERVICE LINE POINT OF CONNECTION.
- 10 LF OF 2" Ø PVC (C-900) WATER LINE WITH 1 1/2" DOUBLE CHECK BACK FLOW PREVENTER.
- 1 1/2" METER AND VALVE, 390 LF OF 1 1/2" Ø PVC (C-900) WATER SERVICE LINE.
- 15 LF OF 1" Ø PVC (C-900) WATER LINE WITH 2"x1"x2" TEE.
- SANITARY SERVICE LINE POINT OF CONNECTION @ SEWER MAIN.
- 47 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 16 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 60 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 170 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 5 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 5 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 5 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 5 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- RE-USE IRRIGATION SERVICE LINE POINT OF CONNECTION.
- 12"x1 1/2" TAPPING SLEEVE AND VALVE
- 1 1/2" METER AND VALVE, 14 LF OF 1 1/2" Ø PVC (C-900) RE-USE IRRIGATION SERVICE LINE.
- RECLAIMED WATER ADVISORY SIGN (SEE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL).
- DIRECTIONAL BORE FOR 6" Ø PVC (C-900) FIRE LINE.
- EXISTING 8" PVC (C900) SANITARY SEWER MAIN (TO REMAIN).

EXISTING UNDERGROUND AND OVERHEAD UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES.

UTILITY PLAN

SCALE: 1" = 30'

48 HOURS BEFORE DIGGING
CALL TOLL FREE

1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

taylor
engineering & design
133 KAYAKAWAH PARK LOOP
APOPKA, FL 32703
PHONE (407) 882-6779
WWW.TAYLORENGINEERING.COM
CA # 35963

133 KAYAKAWAH PARK LOOP
APOPKA, FL 32703
TAYLOR ENGINEERING & DESIGN, LLC
REGISTERED PROFESSIONAL ENGINEERS
FLORIDA #14378

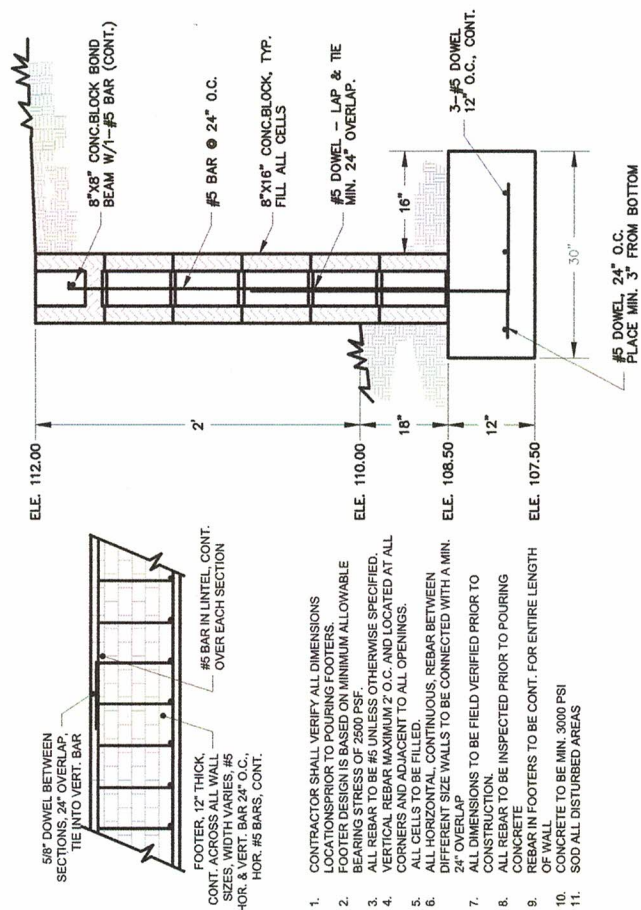


UTILITY PLAN

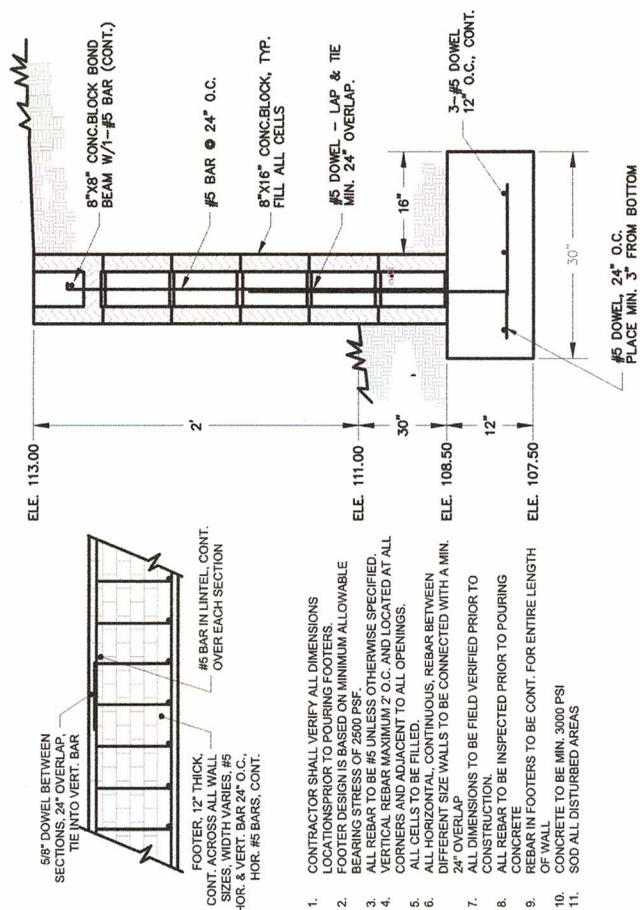
426 ERROL PARKWAY
APOPKA, FLORIDA 32703

PROJECT NUMBER:	071724
DATE:	12/09/2024
NO.	
DATE	
REVISIONS	

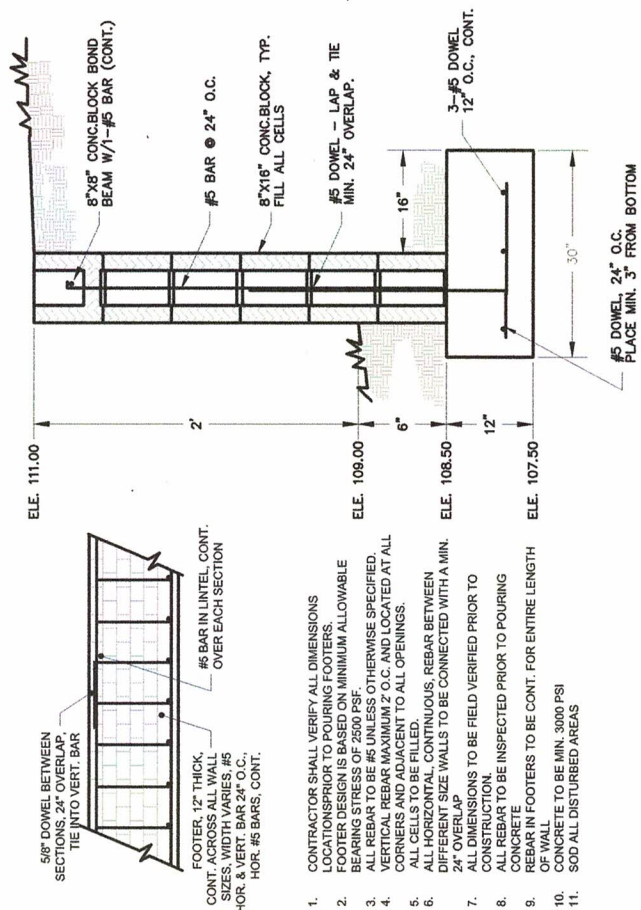
DESIGNED BY:	VPT
CHECKED BY:	VPT
APPROVED BY:	VPT
DRAWN BY:	SPS
SCALE:	N.T.S.
TOWNSHIP:	21
RANGE:	28



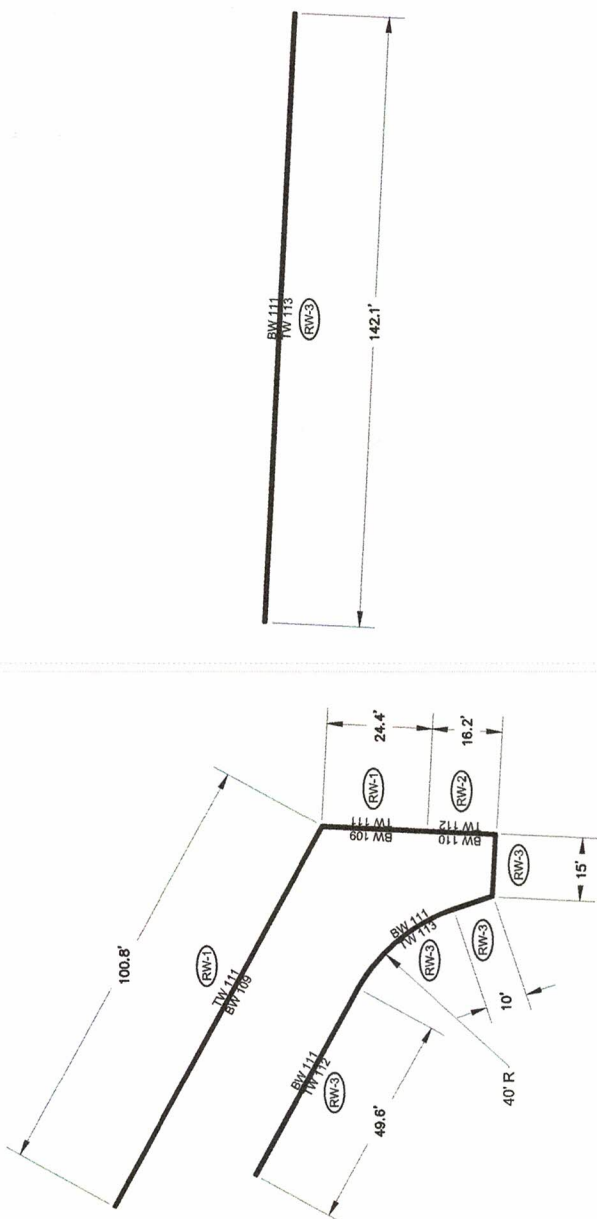
RETAINING WALL RW-2



RETAINING WALL RW-3
N.T.S.

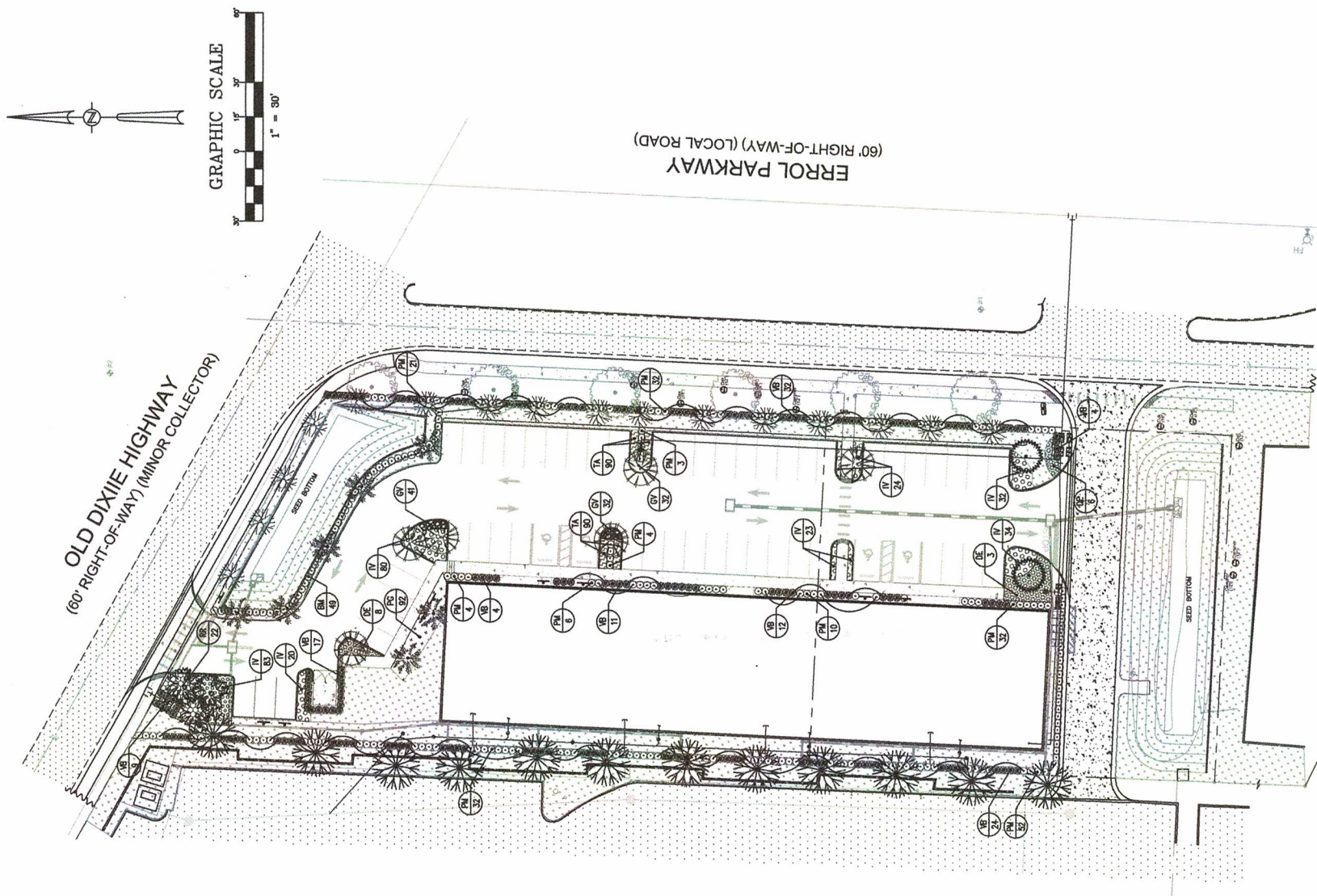
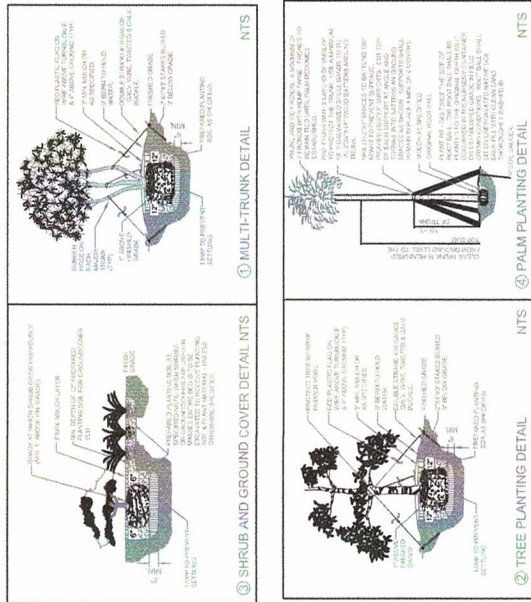


RETAINING WALL RW-1



RETAINING WALL 1
NORTH POND
N.T.S.

RETAINING WALL 2
SOUTH POND
N.T.S.

[illegible]

FLORIDA NATIVE LANDSCAPE SCHEDULE						
CANOPY TREES						
SYMBOL	ABR.	BOTANICAL NAME	COMMON NAME	MINIMUM SIZE	QUANTITY	REMARKS
	QV	QUERCUS VIRGINIANA 'HIGH RISE'	HIGH RISE LIVE OAK	12" HT. 3" CAL.	6	SPECIMEN
	PE	PINUS ELLIOTTII	SLASH PINE	14'-16" HT. 3" CAL.	12	
	MG	MAGNOLIA GRANDIFLORA	LITTLE GEM MAGNOLIA	8'-10" HT. 3" CAL.	3	
PALM TREES						
	SP	SABAL PALMETTO	CABBAGE PALM	15'-18" HT. C.T.	7	Y
UNDERSTORY TREES						
	LI	LAGERSTROEMIA INDICA 'NATCHEZ'	CRAPE MYRTLE	10' HT 3" CAL.	16	X
	LL	LIGUSTRUM LUCIDUM	TREE LIGUSTRUM	10'- HT. 3" CAL.	2	Y
	LJ	ELAEOCARPUS DECIPENS	JAPANESE BLUEBERRY	10'- HT. 3" CAL.	6	Y
SHRUBS						
	VB	VIBURNUM ODORATISSIMUM	VIBURNUM	30" HT. 3/8" O.C.	174	Y
	PM	PODOCARPUS MACROPHYLLUS	PODOCARPUS	3 GAL. 24" - 30" 3/8" O.C.	191	Y
	BM	BRUNNERA MACROPHYLLA	JACK FROST	3 GAL. 18" HT 3/8" O.C.	49	Y
GROUND COVER						
	PG	CORTADERIA SELLOANA	PAMPAS GRASS	3 GAL. 24" O.C.	92	Y
	TA	DWARF ASIATIC JASMINE	TRACHELOSPERMUM ASIATICUM	1 GAL. 12" O.C.	180	Y
	IV	SCHELLINGS DWARF	ILEX VOMITORIA	3 GAL. 12"x15" 24" O.C.	296	Y
	RR	RHODODENDRON SIMSII	RED BUTTERFLY AZALEA	3 GAL. 36" HT. 3/8" O.C.	22	Y
	DE	DURANTA ERECTA	DURANTA GOLD MOUND	3 GAL. 18" 3/8" O.C.	17	Y
SOD/MISC.						
	GV	GRAVEL	GRAVEL	8" DEPTH	73	
	SOD	BAHIA HYBRID	QTY. BY CONTRACTOR			

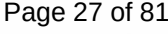
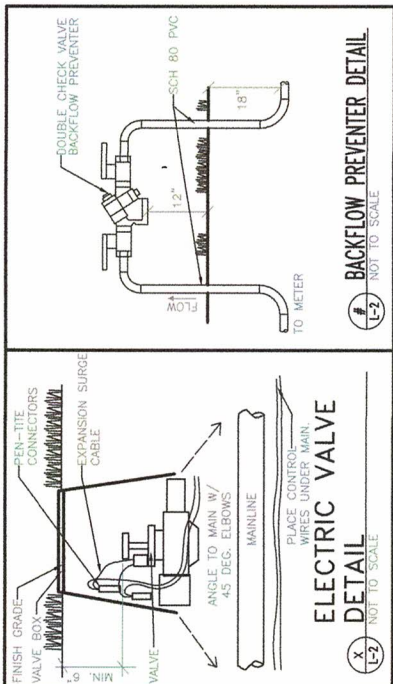
OAK TREES TO BE REMOVED			TOTAL	
SIZE	QTY			
6"	1		6"	
8"	3		24"	
10"	7		70"	
12"	35		420"	
15"	5		75"	
18"	6		108"	
20"	5		100"	
24"	7		168"	
36"	1		36"	
TOTAL	70		1,007"	

TOTAL TREES AT 3" CALIPER PROPOSED	45 = 135"
TOTAL TREES TO BE REMOVED	1,007"
TOTAL DIFFERENCE	= 872"

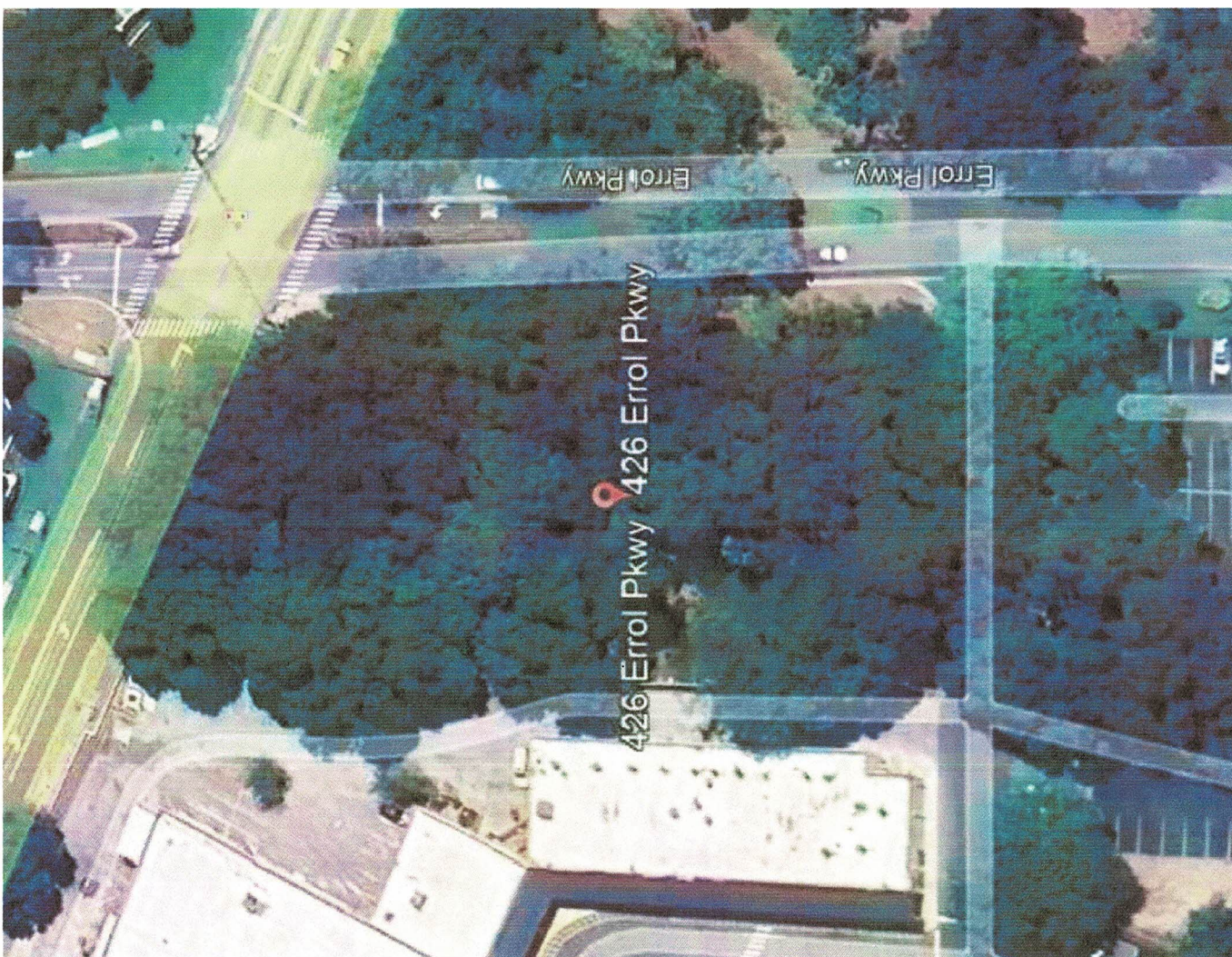
DESIGNED BY RTA	DRAWN BY SMH	CHECKED BY RTA	APPROVED BY RTA
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48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

RTA	SMH	RTA	RTA
RTA	SMH	RTA	RTA

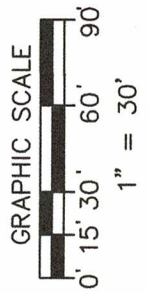


8 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.



AERIAL EXHIBIT

N.T.S.



FIRE TRUCK INFORMATION:	PLEASE REFERENCE EXHIBIT 3.0 FROM THE APOPKA FIRE DEPARTMENT ACCESS AND DESIGN ENGINEERING INFORMATION "CONTRACTOR'S REFERENCE GUIDE 2023".
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PLEASE, REFERENCE EXHIBIT 3.0 FROM THE APOPKA FIRE DEPARTMENT ACCESS AND DESIGN ENGINEERING INFORMATION "CONTRACTOR'S REFERENCE GUIDE 2023".

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

HUNT CLUB MEDICAL OFFICE BUILDING

APOPKA, FLORIDA

CONSTRUCTION SITE PLAN

OCTOBER 2024

CONTACT INFORMATION:

OWNER:
BIG K, INC.
AKBER JAMAL
3015 WINDCHIME CIRCLE WEST
APOPKA, FL., 32703
TEL: 321.356.7860
E-MAIL: ALIMJAMAL17@GMAIL.COM

ARCHITECT:
SMA ARCHITECTURE & INTERIORS
SCOTT MALENOCK, AIA
100 COLONIAL CENTER PKWY, SUITE 230
LAKE MARY, FL 32746
TEL: 407.585.0330
E-MAIL: SCOTTM@SM-ARCH.COM

SURVEYOR:
BENCHMARK SURVEYING & MAPPING, INC.
BILLY JOE JENKINS, JR. P.S.M.
3110 RED FOX RUN
KISSIMMEE, FL 34746
TEL: 407.654.6183
EMAIL: JOE@BENCHMARKSURVEYINGAND MAPPING.COM

CIVIL ENGINEER:
KLIMA WEEKS CIVIL ENGINEERING, INC.
SELBY G. WEEKS, P.E., LEED AP
385 DOUGLAS AVE., STE. 2100
ALTAMONTE SPRINGS, FLORIDA 32714
TEL: 407.478.8750
E-MAIL: SWEEEKS@KLIMAWEEKS.COM

LANDSCAPE ARCHITECT:
BONNETT DESIGN GROUP, LLC
TODD W. BONNETT, RLA
400 S. ORLANDO AVE., STE. 201
MAITLAND, FL 32751
TEL: 407.622.1588
E-MAIL: TODD@BONNETTDESIGNGROUP.COM

GEOTECHNICAL ENGINEER:
ARDAMAN & ASSOCIATES, INC.
CHUCK CUNNINGHAM, P.E.
8008 S. ORANGE AVENUE
ORLANDO, FL 32809
TEL: 407.855.3860
E-MAIL: CCUNNINGHAM@ARDAMAN.COM

UTILITY PROVIDERS:

POWER:
DUKE ENERGY
150 PROGRESS ENERGY WAY
LONGWOOD, FL. 32750
P: 407.850.2762

CABLE COMPANIES:
CENTURY LINK
555 LAKE BORDER DRIVE
APOPKA, FL. 32703
P: 407.889.6000

CHARTER COMMUNICATIONS
3767 ALL AMERICAN BLVD.
ORLANDO, FL. 32810
P: 407.532.8509

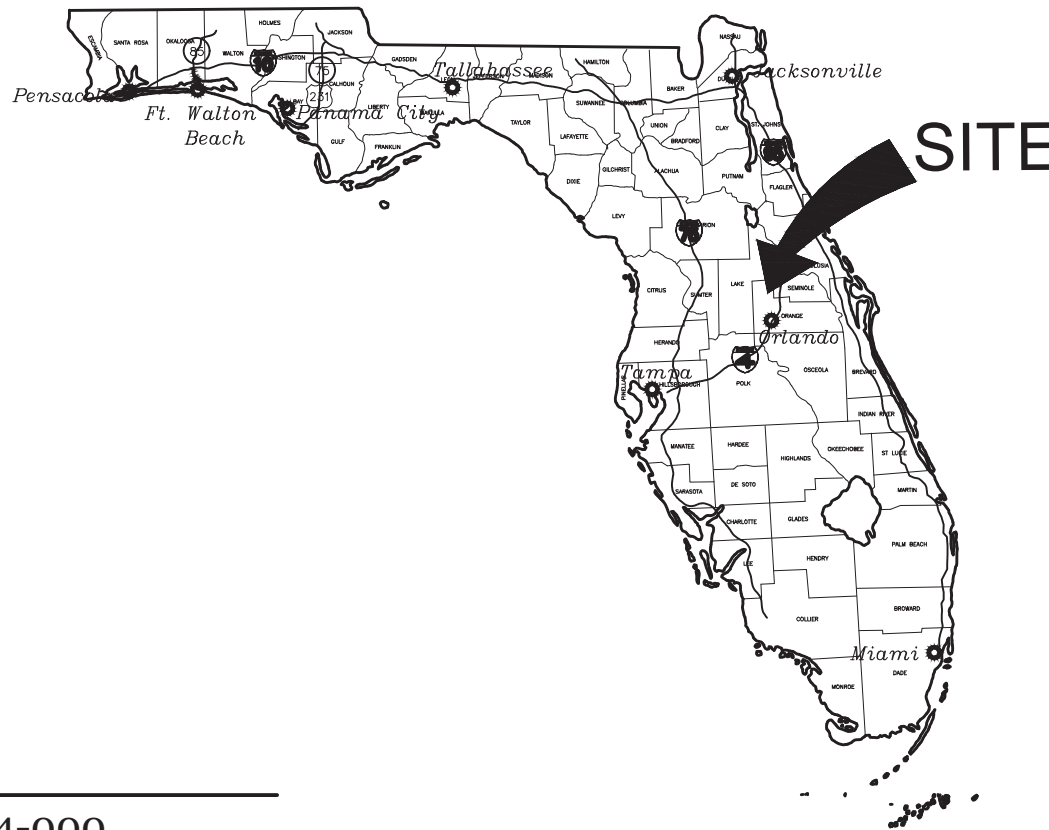
STORMWATER & SOLID WASTE:
CITY OF APOPKA – PUBLIC SERVICES DEPARTMENT
748 E. CLEVELAND STREET
APOPKA, FL. 32703
P: 407.703.1731

WATER & WASTEWATER:
ORANGE COUNTY UTILITIES
9150 CURRY FORD RD.
ORLANDO, FL. 32825
P: 407.836.5515

SHEET INDEX

C000	COVER SHEET
1 of 1	BOUNDARY AND TOPOGRAPHIC SURVEY
C100	SITE PLAN
C101	VEHICLE TURNING MODELS
C200	EROSION CONTROL & DEMOLITION PLAN
C300	GEOMETRY, STRIPING & SIGNAGE PLAN
C400	GRADING & DRAINAGE PLAN
C500	UTILITY PLAN
C600	SITE DETAILS
C700	DRAINAGE DETAILS
C800	WATER & SANITARY DETAILS
C801	WATER & SANITARY DETAILS
C802	WATER & SANITARY DETAILS
C803	WATER & SANITARY DETAILS

L400	OVERALL LANDSCAPE PLAN
L401	LANDSCAPE DETAILS & NOTES
L500	OVERALL IRRIGATION PLAN
L501	IRRIGATION DETAILS & NOTES
L502	IRRIGATION DETAILS
A401	EXTERIOR ELEVATIONS
A402	EXTERIOR ELEVATIONS
A411	COLOR EXTERIOR ELEVATIONS
A801	DUMPSTER ENCLOSURE DETAILS
E201	SITE LIGHTING PLAN
E202	SITE LIGHTING SPECIFICATIONS



PARCEL ID:

12-21-28-0165-04-000

ADDRESS:

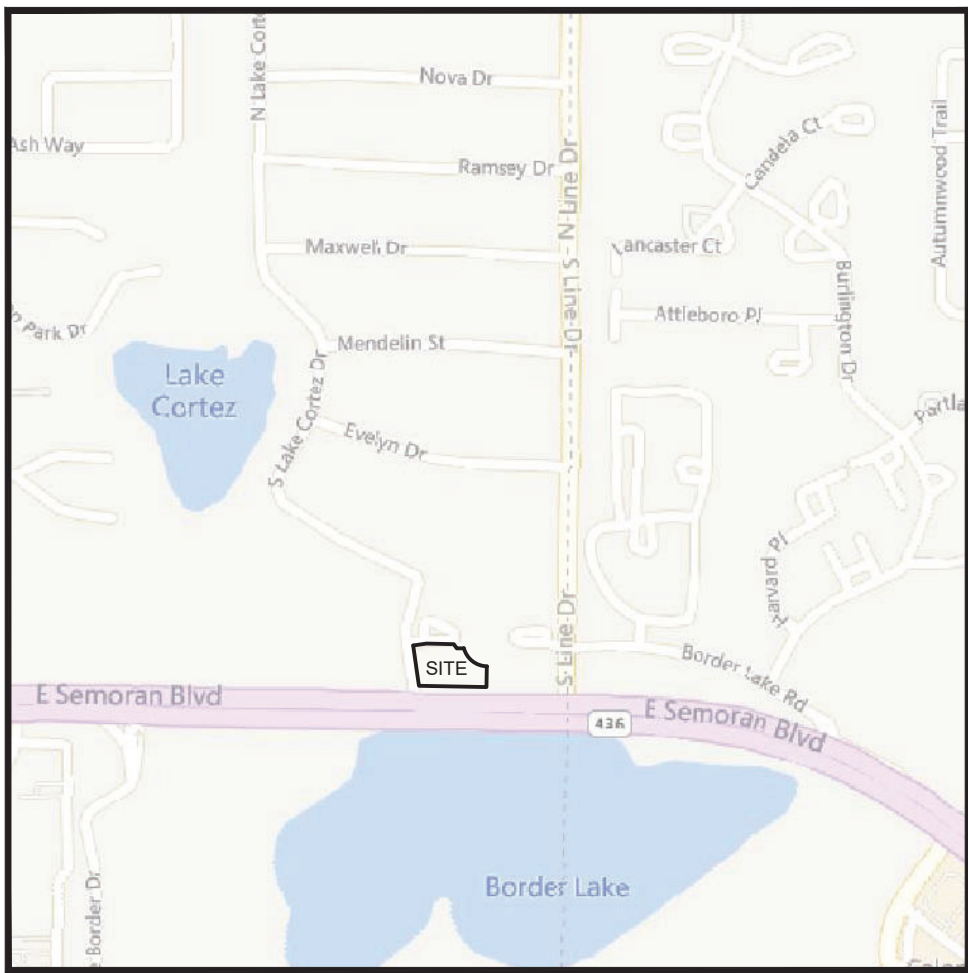
2715 E. SEMORAN BOULEVARD, APOPKA, FL. 32703

PROPERTY DESCRIPTION:

LOT 4, APOPKA GATEWAY CENTER, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 74, PAGES 136 AND 137, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

CHARACTER AND INTENDED USE:

CONSTRUCT A 5,285 SF MEDICAL OFFICE WITH ASSOCIATED PARKING LOT, UTILITIES AND STORMWATER COLLECTION AND CONVEYANCE SYSTEM. CONSTRUCTION IS EXPECTED TO START IN JANUARY 2025 AND BE COMPLETED IN JULY 2025.



LOCATION MAP

NTS



ZONING AND FUTURE LAND USE MAP

NTS

2715 E SEMORAN BOULEVARD, APOPKA, FLORIDA

385 DOUGLAS AVENUE, STE 2100
ALTAMONTE SPRINGS, FL 32714
TELEPHONE 407.478.8750
FACSIMILE 407.478.8749
WWW.KLIMAWEEKS.COM

Klima
Weeks
CIVIL ENGINEERING



NO.	REVISION	BY	DATE
1			
2			
3			
4			

C000

File Location : P:\Land Projects 2024\24HEMB060 - Hunt Club M03 (4m)

Filename : C100-SITE-24HEMB060.dwg Plot Date : Oct. 22, 2024 8:13pm

BUILDING SETBACKS:

	REQUIRED:	PROVIDED:
FRONT YARD (E SEMORAN BLVD):	0' *	10'
SIDE YARD (S LAKE CORTEZ BLVD):	20' *	140'
SIDE YARD (EAST):	0'	42'
REAR YARD (NORTH):	0'	1'

* PD SETBACK REQUIREMENT IS 50' FROM THE CENTERLINE OF THE SEMORAN BLVD. AND LK CORTEZ DR. RIGHTS-OF-WAY. THE CENTERLINES OF THE SEMORAN BLVD. AND LK CORTEZ DR. RIGHTS-OF-WAY ARE 100' AND 30' FROM THE RESPECTIVE PROPERTY LINES; THEREFORE, THE EFFECTIVE SETBACK REQUIREMENTS ARE 0' AND 20'.

LANDSCAPE BUFFERS:

	REQUIRED:	PROVIDED:
FRONT YARD (E SEMORAN BLVD):	10'	10'
SIDE YARD (S LAKE CORTEZ BLVD):	10'	14'
SIDE YARD (EAST):	0'	42'
REAR YARD (NORTH):	0'	1'

FEMA FLOOD DATA:

SUBJECT PROPERTY LIES WITHIN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 12095C0140F, DATED SEPTEMBER 25, 2009.

SOILS:

3 BASINGER FINE SAND; 47 TAVARES-MILLHOPPER FINE SAND

BUILDING DATA:

PROPOSED BUILDING: 5,285 SF MEDICAL OFFICE BUILDING

FBC CONSTRUCTION TYPE: IIB

MAX. BUILDING HEIGHT: 25' / ONE-STORY

MAX. ALLOWED HEIGHT: 35' / ONE-STORY (PD LOT 4)

FAR: 0.15

MAX. ALLOWABLE FAR: 0.17 (PD LOT 4)

PARKING CALCULATIONS:

BASIS:
CITY OF APOPKA, MEDICAL OFFICE(S):
FOUR (4) SPACES PER ONE THOUSAND (1,000) SQUARE FEET OF GROSS FLOOR AREA.

PARKING REQUIRED: 4 SPACES PER 1,000 SF.
5,285/1,000 X 4 SPACE= 21 SPACES

PARKING PROVIDED: 26 STANDARD SPACE
2 ACCESSIBLE SPACES
28 TOTAL PARKING SPACES

PROJECT AREA CALCULATIONS:

TOTAL SITE AREA: 35,720 SF / 0.82 AC

IMPERVIOUS AREAS:	SF	AC	%
PROPOSED SITE IMPERVIOUS:	16,089	0.37	45.0
PROPOSED BUILDING:	5,285	0.12	14.8
TOTAL IMPERVIOUS:	21,374	0.49	59.8

TOTAL PROJECT AREAS:	SF	AC	%
IMPERVIOUS AREA:	21,374	0.49	59.8
PERVIOUS AREA:	14,346	0.33	40.2

MAXIMUM ALLOWABLE IMPERVIOUS SURFACE AREA: 80% (PD)
PROVIDED IMPERVIOUS SURFACE AREA: 60%

MINIMUM PERMITTED OPEN SPACE: 20% (PD)
PROVIDED OPEN SPACE: 40%

BIKE PARKING:

BASIS:
SHORT TERM: 1 BICYCLE PARKING SPACE FOR EVERY 2,000 GSF BUILDING AREA.

REQUIRED: 5,285 / 2,000 X 1 SPACE = 3 BICYCLE SPACES

PROVIDED: 2 RACKS = 4 BICYCLE SPACES

STATEMENT OF INTENT:

CONSTRUCT A 5,285 SF MEDICAL OFFICE WITH ASSOCIATED PARKING LOT, UTILITIES AND STORMWATER COLLECTION AND CONVEYANCE SYSTEM. CONSTRUCTION IS EXPECTED TO START IN JANUARY 2025 AND BE COMPLETED IN JULY 2025.

PARCEL ID: 12-21-28-0165-04-000

PROPERTY INFORMATION:

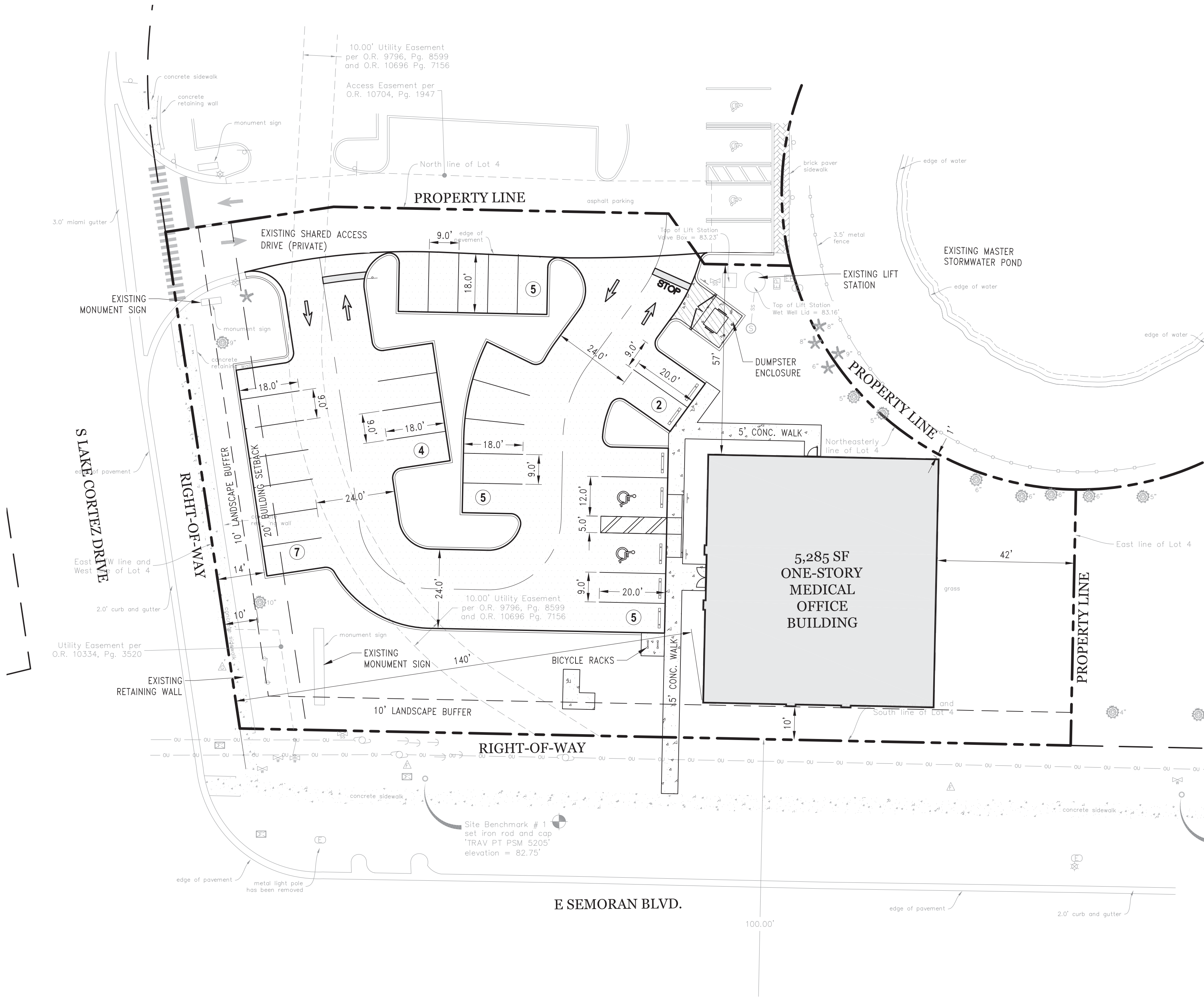
ADDRESS:	2715 E. SEMORAN BLVD, APOPKA FL, 32703
SITE TOTAL AREA:	35,720 SF
PROPOSED USE:	MEDICAL OFFICE BUILDING
ZONING:	PD (PLANNED DEVELOPMENT)
FUTURE LAND USE:	MIXED USE

ADJACENT ZONING:

SUBJECT SITE:	PD (PLANNED DEVELOPMENT)
NORTH:	PD (PLANNED DEVELOPMENT)
EAST:	PD (PLANNED DEVELOPMENT)
WEST:	S. LAKE CORTEZ DR., C-R (REGIONAL COMMERCIAL)
SOUTH:	E. SEMORAN BLVD., O (OFFICE)

ADJACENT FUTURE LAND USE:

SUBJECT SITE:	MU (MIXED-USE)
NORTH:	MU (MIXED-USE)
EAST:	MU (MIXED-USE)
WEST:	S. LAKE CORTEZ DR., COMM (COMMERCIAL)
SOUTH:	E. SEMORAN BLVD., OFF (OFFICE)



GENERAL NOTES:

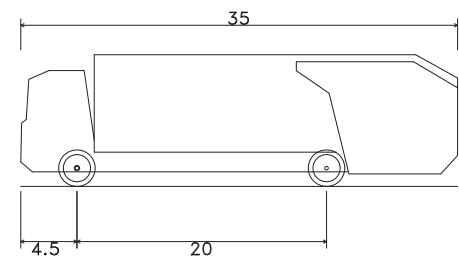
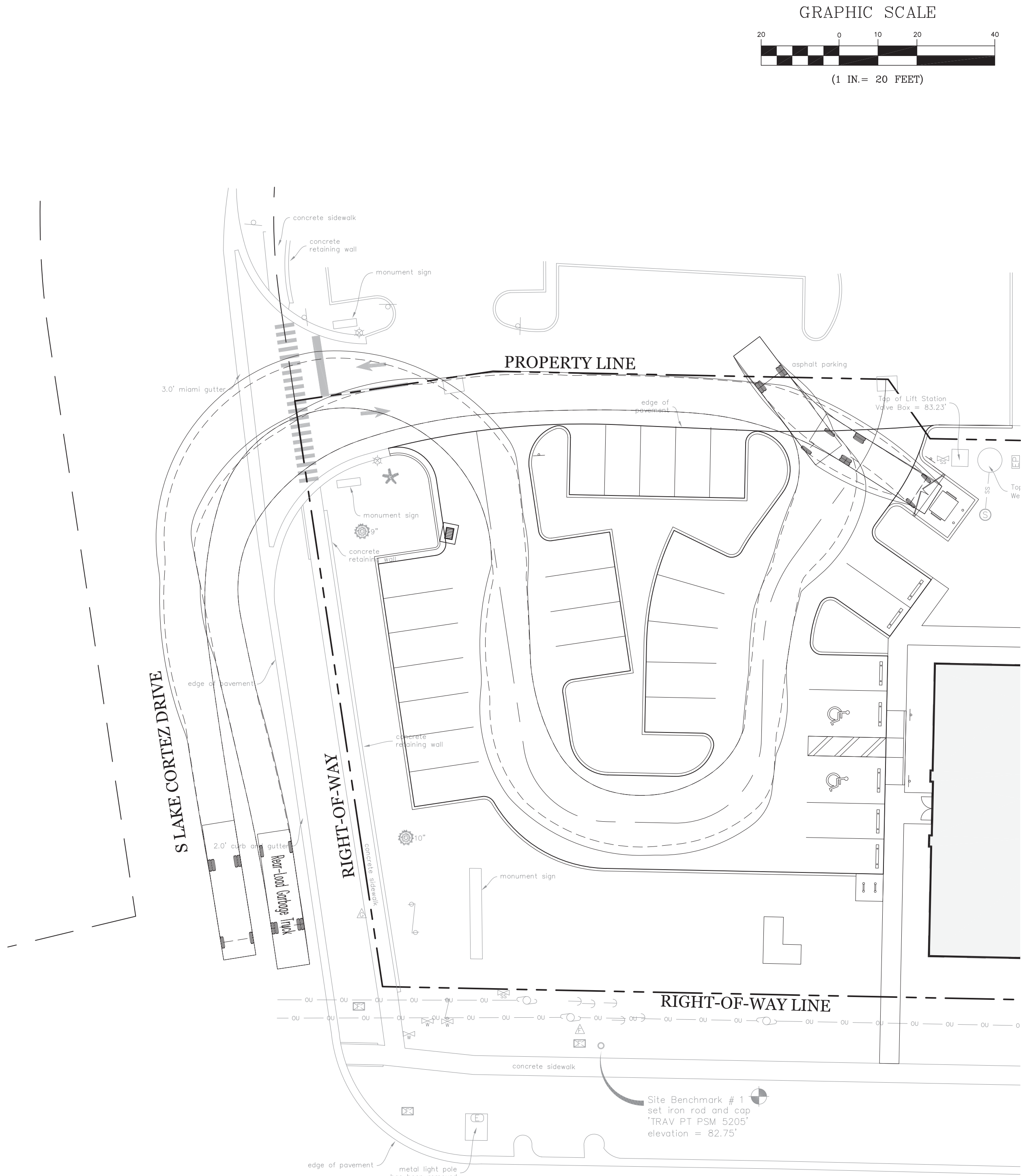
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS ALSO TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES AND ANY UTILITY ADJUSTMENT REQUIRED. UTILITY COMPANIES SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO EXCAVATION.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS WERE DEPICTED FROM ACTUAL FIELD MEASUREMENTS AND/OR DERIVED FROM RECORD DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION OF EXISTING UTILITIES TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED CONSTRUCTION AND TO COORDINATE WITH THE UTILITY OWNERS TO RESOLVE THESE CONFLICTS.
- THE SUBSURFACE INFORMATION FOR THIS PROJECT WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS FOR PROJECT CONSTRUCTION. INFORMATION SHOWN, INCLUDING WATER LEVELS, REPRESENTS EXISTING CONDITIONS AT THE SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE MADE.
- ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER, IN WRITING, WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE OR SHE FAILS TO PROVIDE THE WRITTEN NOTIFICATION.
- ALL MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA, ORANGE COUNTY UTILITIES (WATER & WASTEWATER CONSTRUCTION), FLORIDA BUILDING CODE AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY, AS DETERMINED BY THE ENGINEER OF RECORD OR THE CITY MANAGER.
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES OR MINIMIZE TRENCH WIDTH AS REQUIRED. SHEETING AND SHORING SHALL BE DESIGNED BY A STATE OF FLORIDA PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL. ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY PUBLIC LAND CORNER, WITHIN THE LIMITS OF CONSTRUCTION, IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING ALTERED AND HAS NOT YET BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITHOUT DELAY.
- COORDINATE VALUES ARE BASED ON A LOCAL GRID ESTABLISHED BY THE ENGINEER AND ARE INDEPENDENT OF VALUES DEPICTED ON THE SURVEY.
- ALL REFERENCES TO PROPOSED CONSTRUCTION INDICATES CONSTRUCTION INCLUDED IN THIS CONTRACT.
- ALL PIPING TO HAVE A MINIMUM OF THREE (3) FEET COVER UNLESS OTHERWISE NOTED ON PLANS.
- THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY STRIPING, TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," LATEST EDITION, AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS."
- REFER TO FDOT ROADWAY AND TRAFFIC DESIGN (FY 2024-25) STANDARDS FOR THE FOLLOWING:
 - TYPE "C" INLET (INDEX No. 425-052)
 - CURB TRANSITION (INDEX No. 520-001)
 - TYPE "D" CURB (INDEX No. 520-001)
 - TYPE "F" CURB AND GUTTER (INDEX No. 520-001)
 - CURB RAMP (INDEX No. 522-002)
 - CROSSWALK, STOP BAR (INDEX No. 711-001)
 - PAVEMENT ARROWS & MESSAGE SIZE & SPACING (INDEX No. 711-001)
 - CONCRETE BUMPER GUARD (WHEEL STOP) (INDEX No. 520-001)
 - STRUCTURE BOTTOMS TYPE "J" AND "P" (INDEX No. 425-010)
 - SUPPLEMENTARY DETAILS FOR MANHOLES AND INLETS (INDEX No. 425-001)
- AS-BUILT DRAWINGS, SIGNED AND SEALED BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, SHALL BE PROVIDED PER THE PROJECT SPECIFICATIONS AND SHALL COMPLY WITH ORANGE COUNTY UTILITIES, ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, FDOT AND CITY OF APOPKA REQUIREMENTS.
- ALL POWER SERVICES WILL HAVE TO BE PROVIDED UNDERGROUND, NO OVERHEAD SERVICE WILL BE ALLOWED.

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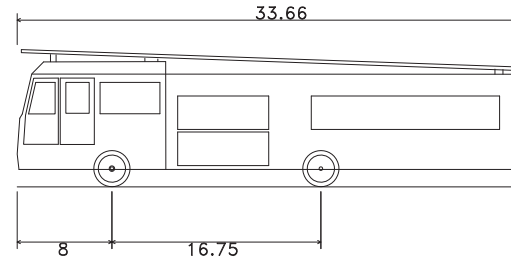
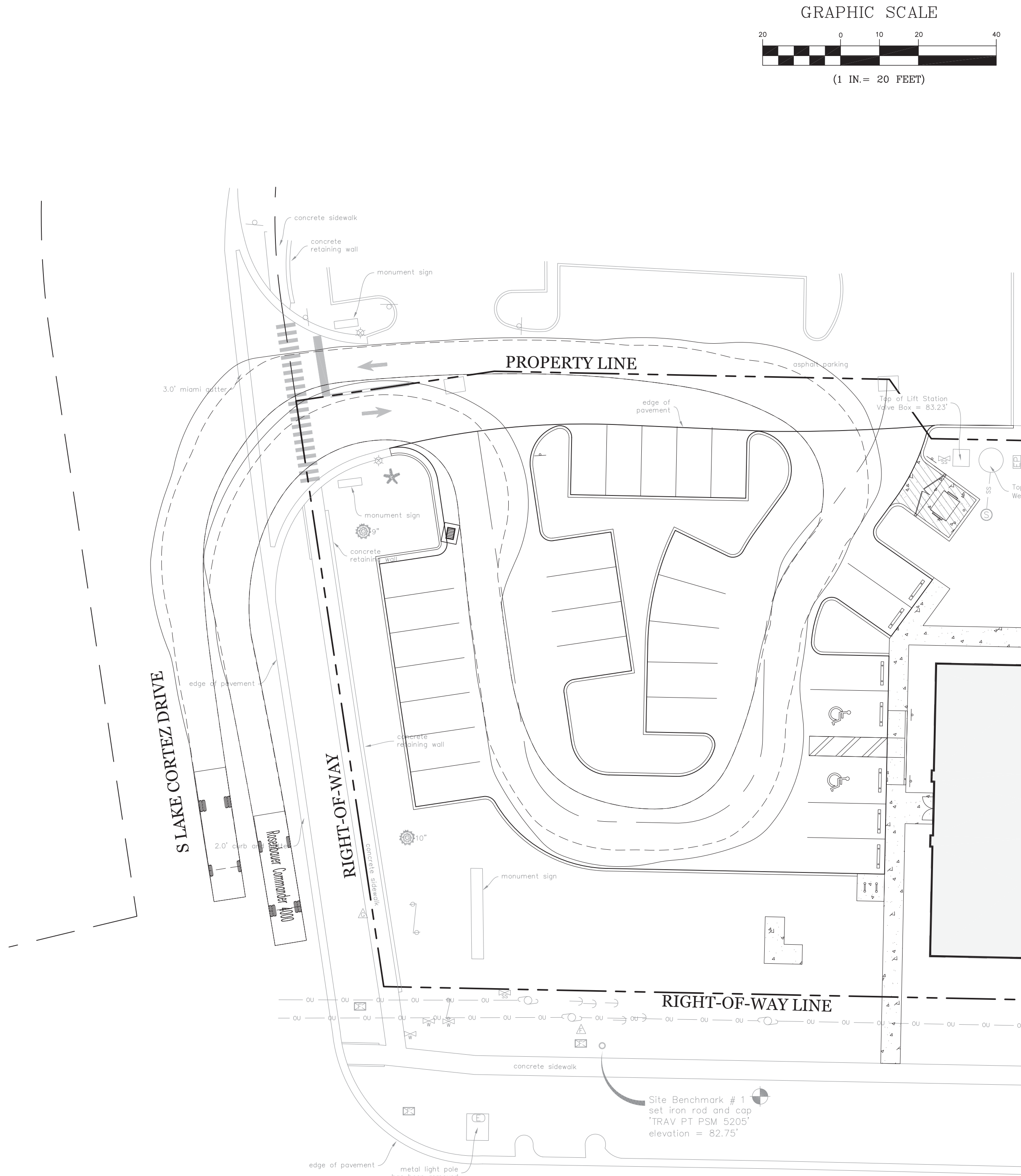
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Rear-Load Garbage Truck
Overall Length 35.000ft
Overall Width 8.375ft
Overall Body Height 10.545ft
Min Body Ground Clearance 1.000ft
Track Width 8.375ft
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 29.300ft

REFUSE TRUCK TURNING MODEL

TRUCK DATA



Rosenbauer Commander 4000
Overall Length 33.660ft
Overall Width 8.160ft
Overall Body Height 9.830ft
Min Body Ground Clearance 1.363ft
Track Width 16.75ft
Lock-to-lock time 6.00s
Max Wheel Angle 46.00°

AERIAL FIRE TRUCK TURNING MODEL

TRUCK DATA

Selby G. Weeks 56991

HUNT CLUB MEDICAL OFFICE BUILDING

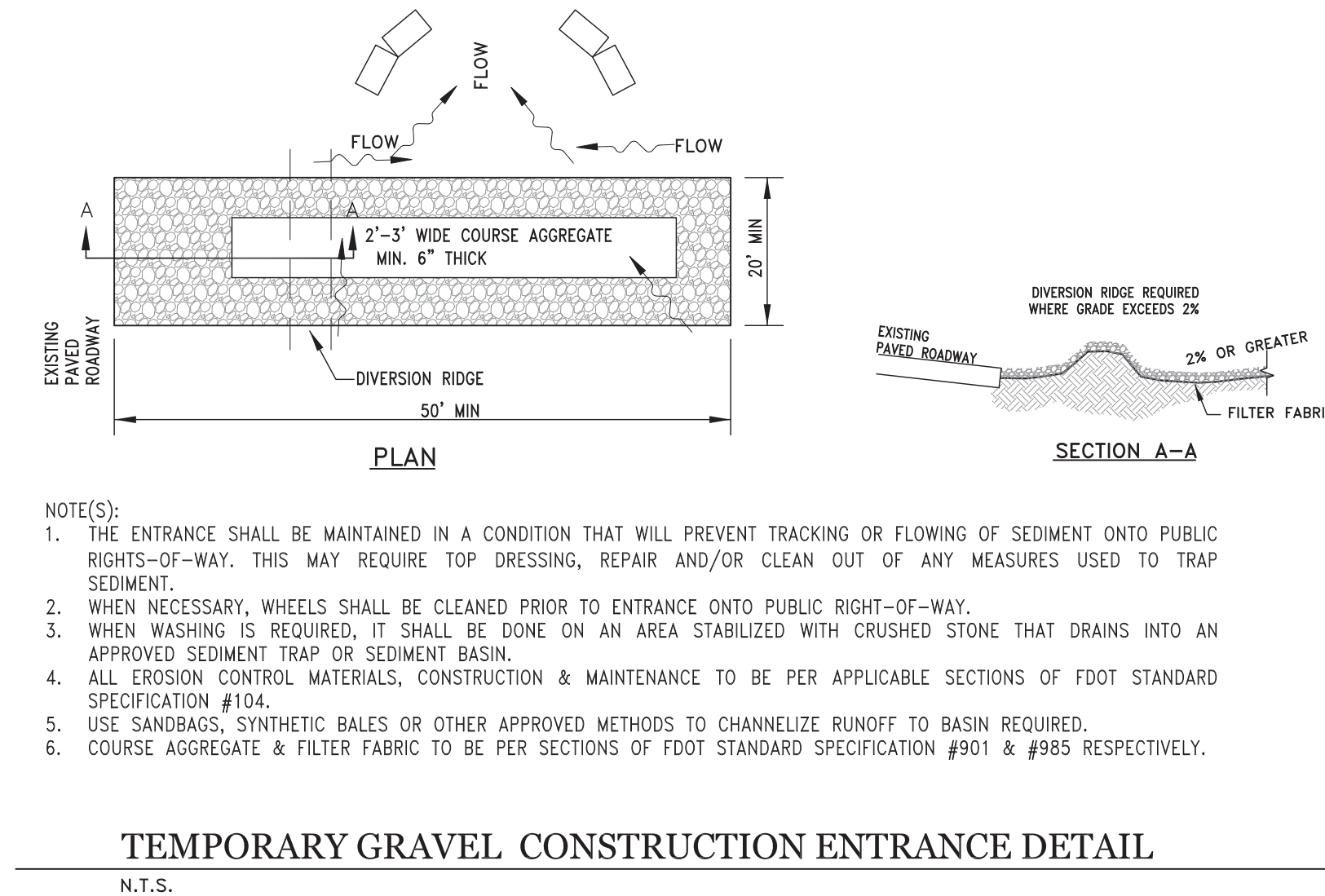
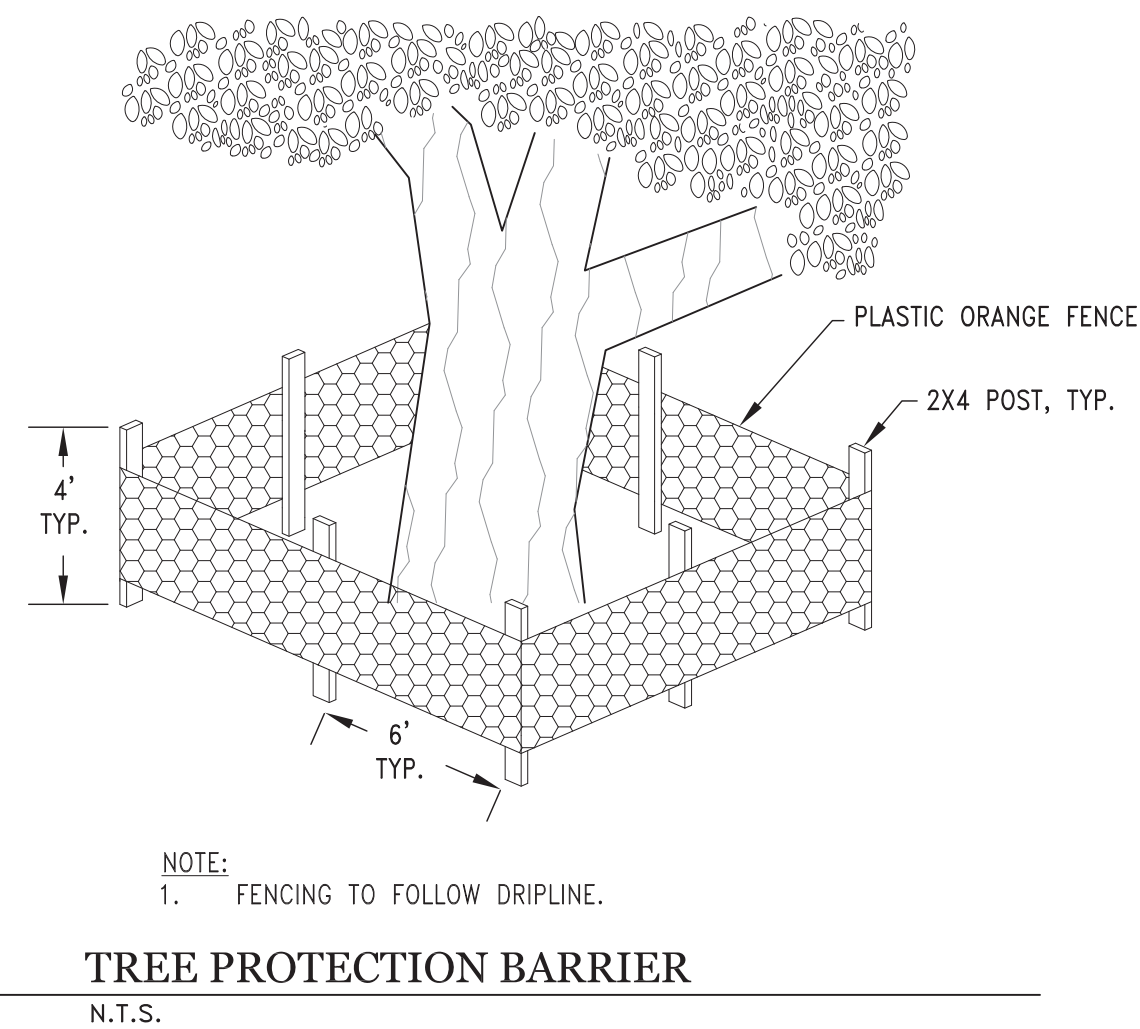
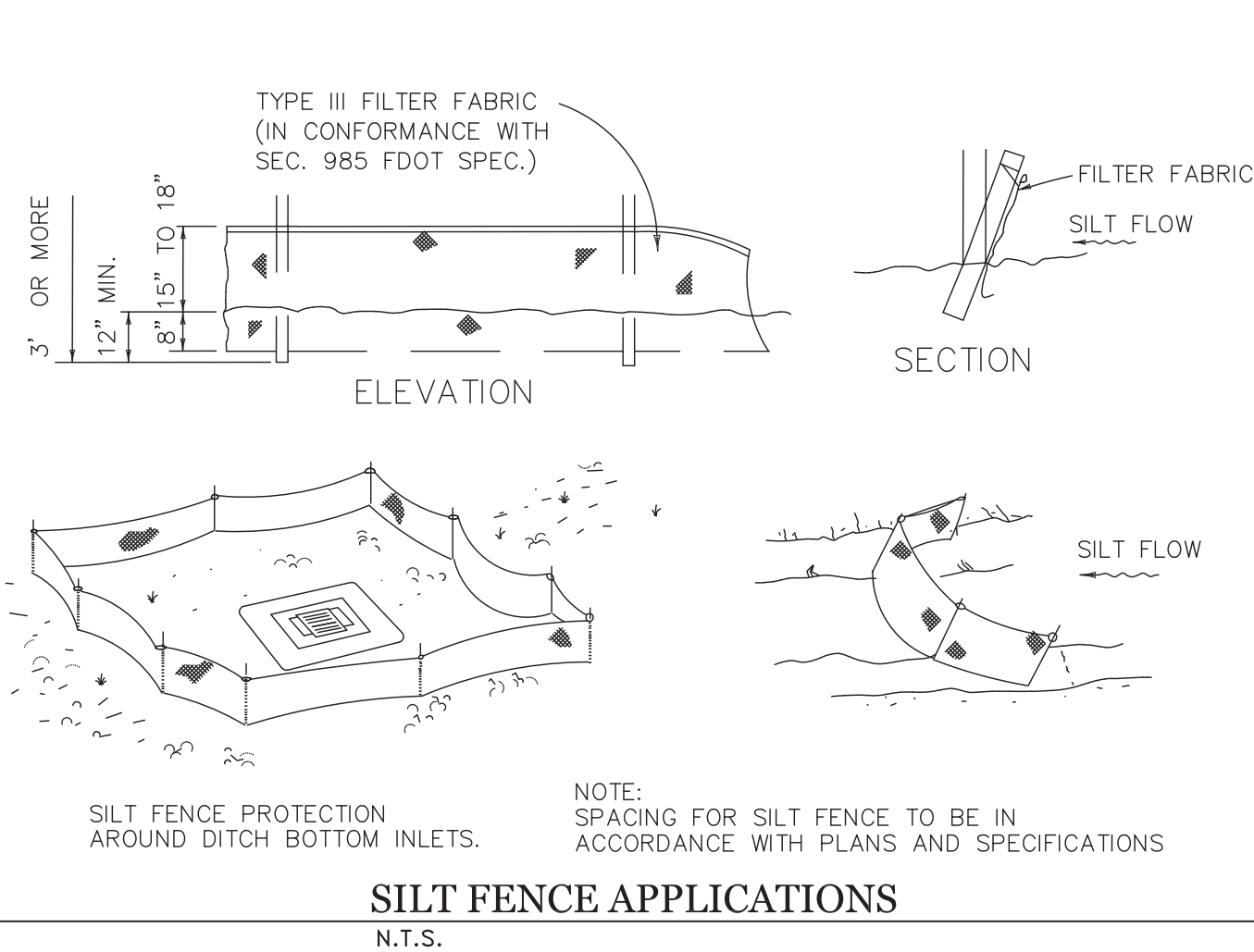
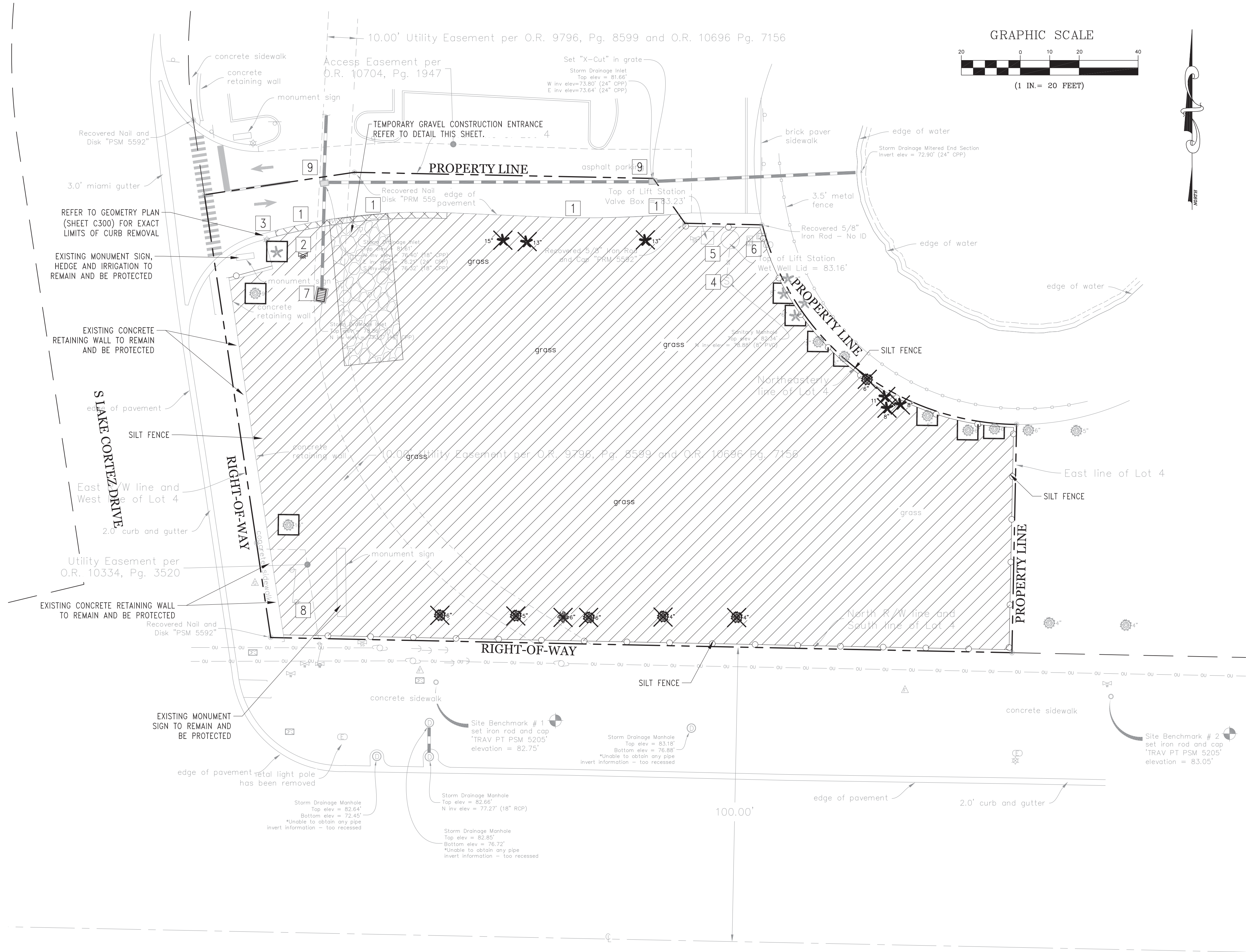
2715 E. SEMORAN BOULEVARD

APOPKA, FL

VEHICLE TURNING MODELS

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DEMOLITION NOTES:

1. CONTACT AND COORDINATE WITH ORANGE COUNTY UTILITIES PRIOR TO ANY REMOVAL OR CAPPING OF EXISTING WATER OR SEWER UTILITIES.
2. "BUILDING AREAS" SHALL BE CLEANED OF ALL EXISTING PAVEMENT, BUILDING SLABS, FOOTINGS, FOUNDATIONS, UTILITIES AND SEWERS. NO EXISTING IMPROVEMENTS SHALL BE LEFT UNDER PROPOSED BUILDING AREAS.
3. ALL AREAS WHERE PAVEMENT, BUILDING SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACK FILLED WITH SELECT BACK FILL MATERIAL. ALL SELECT BACK FILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF THE SPECIFICATIONS AND THE ON-SITE GEOTECHNICAL ENGINEER.
4. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE.
5. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION. ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY.
6. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL. ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ASPHALT RESURFACING AND STRIPING TO ALL EXISTING ROADS WHICH ARE DAMAGED DURING CONSTRUCTION. ALL REPAIRS TO BE MADE IN ACCORDANCE WITH FDOT REQUIREMENTS.
8. THE CONTRACTOR IS ADVISED THAT UNCHARTED UTILITIES MAY BE FOUND TO EXIST WITHIN THE CONSTRUCTION AREA AND THAT CONSTRUCTION OPERATIONS SHOULD BE CONDUCTED WITH CAUTION.
9. REMOVE AND DISPOSE OF EXISTING TREES LOCATED WITHIN THE PROJECT CLEARING LIMITS (THIS SHEET).
10. ALL CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE NEAREST JOINT IN REASONABLY GOOD CONDITION, SO AS TO PRODUCE A CONNECTION WITH NEW CONCRETE THAT IS FREE OF CRACKS, DEFORMITY IN SHAPE, NOTICEABLE VOIDS, SURFACE IRREGULARITIES, AND OTHER DEFECTS. CONCRETE GUTTER SHALL BE SAW CUT BETWEEN ASPHALT AND GUTTER BEFORE REMOVAL.

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE CITY OF APOPKA, FLORIDA AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SOIL MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT, OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
6. ALL PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS AND ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS AFTER FINAL GRADING.
7. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
8. THE EROSION CONTROL MEASURES ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITHIN THIS CONTRACT.

DEMOLITION LEGEND:

NOTE: REFER TO DEMOLITION NOTES, THIS SHEET, FOR ADDITIONAL DETAILS

○ — ○ SILT FENCE (REFER TO DETAIL SHEET THIS SHEET)
NOTE: CLEARING LIMITS ARE TO PROPERTY LINE, BUT
SILT FENCE IS SHOWN INSIDE OF PROPERTY LINE
FOR GRAPHICAL PURPOSES.

- TREE PROTECTION BARRIER (REFER TO DETAIL ON THIS SHEET)
- REMOVE EXISTING TREE
- LIMITS OF CLEARING AND GRUBBING
- REMOVE EXISTING CURBING.
SAWCUT AT ALL EXISTING EDGES TO REMAIN.

- 1 SAWCUT EXISTING PAVEMENT SECTION/CONCRETE WALKS AND/OR CURBS AT ALL EXISTING EDGES TO REMAIN. REFER TO SHEET C300 FOR LIMITS.
- 2 REFER TO IRRIGATION PLANS FOR LIMITS OF REALIGNMENT/ REMOVAL/RELOCATION OF THE EXISTING IRRIGATION SYSTEM. ADJUST ALL VALVE BOXES TO REMAIN TO FINISH GRADE.
- 3 EXISTING LIGHT POLE AND ASSOCIATED CONDUIT TO REMAIN AND BE PROTECTED.
- 4 EXISTING SANITARY MANHOLE AND ASSOCIATED PIPING TO REMAIN AND BE PROTECTED.
- 5 EXISTING LIFT STATION, ASSOCIATED UNDERGROUND PIPING, UNDERGROUND AND ABOVE-GROUND ELECTRIC, ELECTRIC PANELS, VALVE BOX AND APPURTENANCES TO REMAIN AND BE PROTECTED.
- 6 EXISTING ELECTRICAL BOX/PANEL & ASSOCIATED LINES TO REMAIN AND BE PROTECTED.
- 7 REMOVE EXISTING STORM INLET, ASSOCIATED PIPING TO REMAIN AND BE PROTECTED. REFER TO SHEET C400 FOR NEW INLET DETAILS. PROVIDE SILT SACK.
- 8 EXISTING BACKFLOW PREVENTERS, ASSOCIATED UNDERGROUND PIPING, VALVES, METERS, AND APPURTENANCES TO REMAIN AND BE PROTECTED.
- 9 PROVIDE SILT SACK IN EXISTING INLET DURING CONSTRUCTION.

Selby G. Weeks 56991

HUNT CLUB MEDICAL OFFICE BUILDING

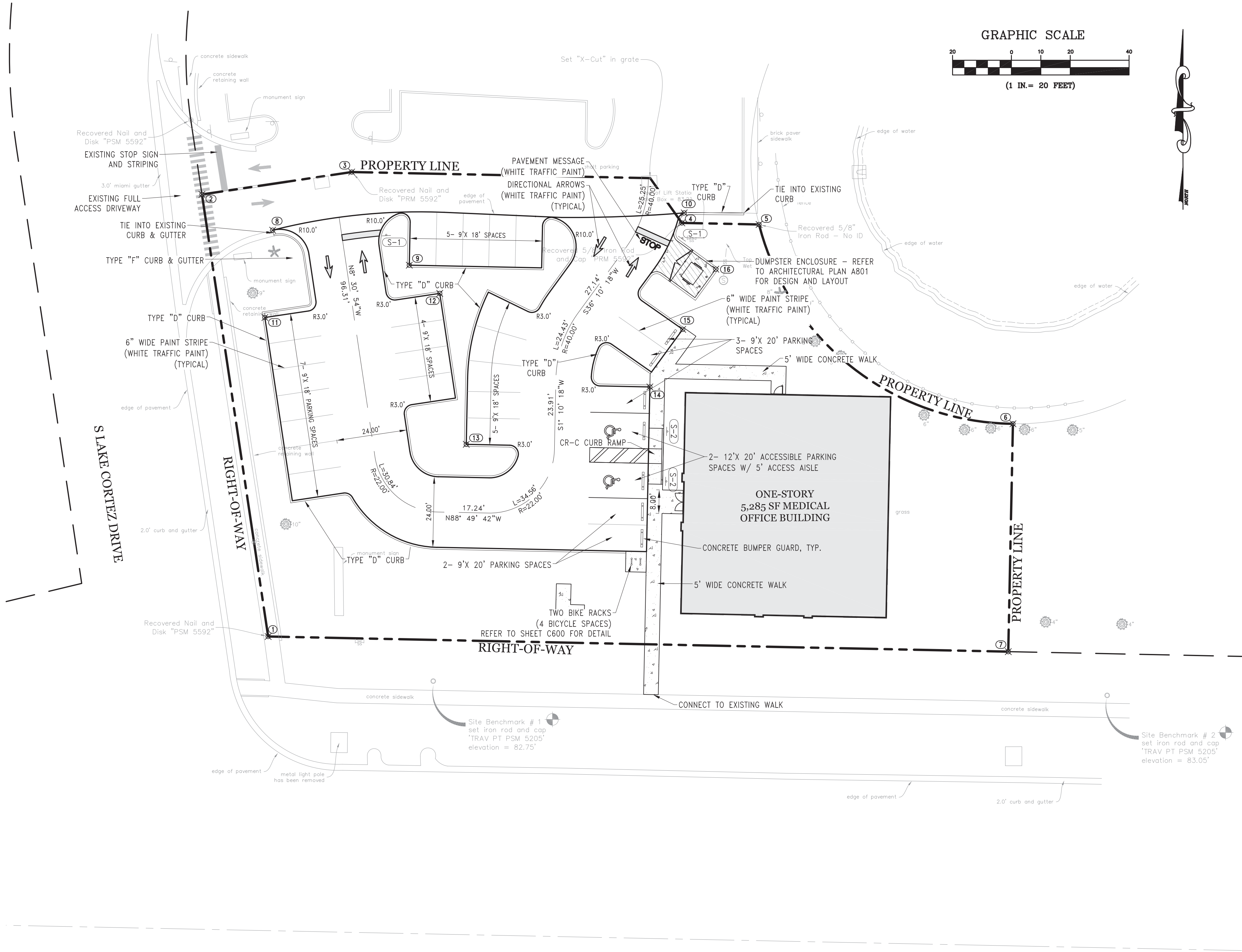
2715 E. SEMORAN BOULEVARD
APOPKA, FL

EROSION CONTROL & DEMOLITION PLAN

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C200



SIGNAGE AND STRIPING LEGEND:

S-1

STOP

R1-1
"STOP" SIGN (30" HIGH
INTENSITY GRADE SIGN).
24" WIDE STOP BAR
(WHITE THERMOPLASTIC).

S-2

PARKING BY
DISABLED
PERMIT
ONLY

\$250 FINE

HANDICAP PARKING SIGN.
REFER TO SHEET C600
FOR DETAIL.

GEOMETRY NOTES:

1.

THREE (3) FOOT CURB TRANSITION SHALL BE PROVIDED AT ALL CURB TERMINATIONS EXCEPT WHERE CURB ABUTS RAISED WALK AND AT PROPERTY LINE TERMINATIONS.

2.

POINTS SHOWN ON THE PLANS HAVE BEEN SET AT FACE OF CURB, PC, PT, CURB MIDPOINT AND INTERSECTIONS LOCATIONS. POINTS SHOWN ON UTILITY & STORM STRUCTURES ARE AT THE CENTER OF THE STRUCTURE.

3.

REFER TO GRADING PLANS FOR LIMITS OF FLUSH AND RAISED CONCRETE WALKS. DISPOSITION OF WALK/ASPHALT INTERFACE IS PROVIDED BY SPOT ELEVATIONS.

FDOT NOTE:
SIDEWALK IN FDOT RIGHT-OF-WAY SHALL BE BUILT AND INSPECTED TO MEET CURRENT ADA AND FDOT REQUIREMENTS.

COORDINATE POINT TABLE:

Point Table			
Point #	Raw Description	Northing	Easting
1	Property Corner	1577714.0963	508222.7491
2	Property Corner	1577864.4263	508200.2417
3	Property Corner	1577872.0476	508251.1453
4	Property Corner	1577854.7491	508363.3672
5	Property Corner	1577854.2124	508389.6118
6	Property Corner	1577786.4350	508475.9111
7	Property Corner	1577708.9512	508474.3265
8	EOP	1577852.2727	508224.2704
9	EOP	1577840.3749	508270.7251
10	EOP	1577858.1512	508364.1681
11	EOP	1577822.5783	508221.6377
12	EOP	1577830.7761	508281.0791
13	EOP	1577779.4542	508290.0889
14	EOP	1577798.9610	508352.5008
15	EOP	1577818.5410	508363.6642
16	Dumpster Enclosure	1577839.0116	508374.9176

Selby G. Weeks 56991

HUNT CLUB MEDICAL OFFICE BUILDING

2715 E. SEMORAN BOULEVARD
APOPKA, FL

GEOMETRY, STRIPING & SIGNAGE PLAN

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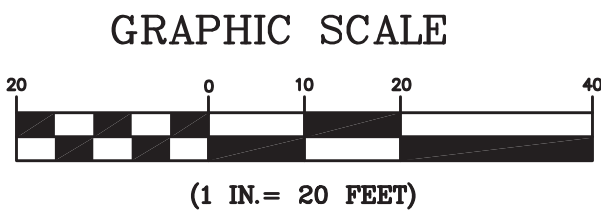
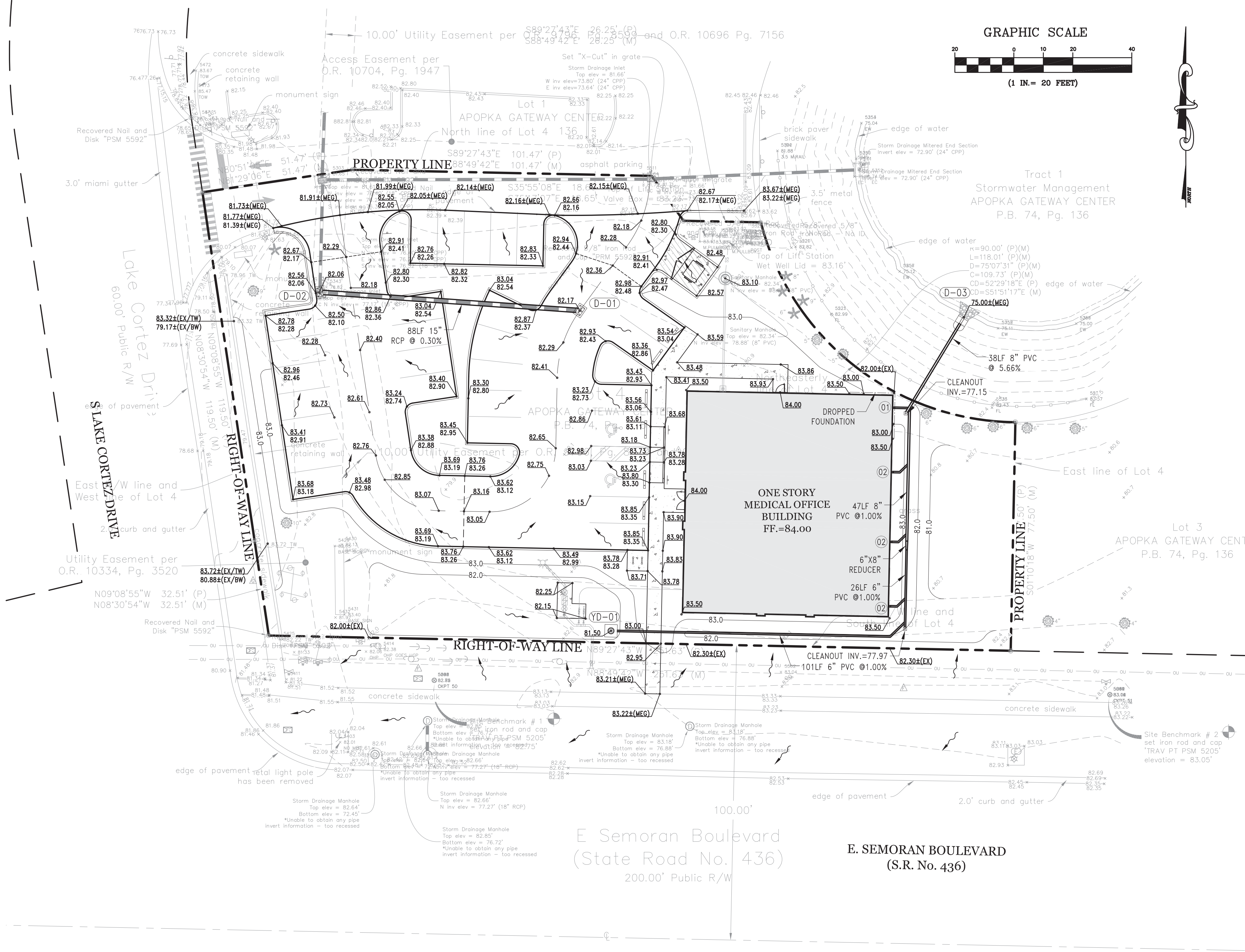
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Klima
Weeks

CIVIL ENGINEERING

385 Douglas Avenue, Ste 2100
Altamonte Springs, FL 32714
Telephone 407.478.8750
Facsimile 407.478.8749

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GRADING AND DRAINAGE NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHIC DATA, LOCATION OF EXISTING UTILITIES AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO SPECIFICATIONS CONTAINED IN THE PROJECT GEOTECHNICAL INVESTIGATION AND RECOMMENDATIONS, AND SPECIFICATION SECTIONS 31 10 00 AND 31 20 00.
3. ALL GRADES SHOWN, WITH THE EXCEPTION OF THOSE INDICATED ON THE SURVEY BASE DRAWING, ARE FINISHED GRADES UNLESS INDICATED OTHERWISE.
4. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE GRADED TO ORIGINAL GROUND LINES AND FINISHED WITH SOD PER PROJECT SPECIFICATIONS UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL MAINTAIN ALL AREAS UNTIL FINAL ACCEPTANCE.
5. STORMWATER COLLECTION SYSTEM TO BE PRIVATELY OWNED AND MAINTAINED.
6. INLET AND MANHOLE ELEVATIONS ARE TOP OF RIM.
7. ALL INLET AND MANHOLE TOPS SHALL BE TRAFFIC BEARING UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF ALL TIE-INS TO ROOF DRAINAGE PIPING PRIOR TO INSTALLATION OF ROOF PIPING AND ASSOCIATED FITTINGS.
9. SIDEWALKS AND CROSSWALKS:
 - a. CROSS-SLOPES SHALL NOT EXCEED 2.0%
 - b. LONGITUDINAL SLOPES SHALL NOT EXCEED 5.0% EXCEPT CURB RAMPS.
 - c. CURB RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 12:1.
10. ACCESSIBLE PARKING SPACES, ACCESS AISLES AND PASSENGER LOADING ZONES:
 - a. SLOPES SHALL NOT EXCEED 2.0% IN ANY DIRECTION.
11. ALL AFFECTED SIDEWALK, RAMPS AND CROSSWALKS SHALL BE BUILT AND INSPECTED TO MEET CURRENT ADA AND CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
12. ALL RCP STORM PIPE JOINTS SHALL BE WRAPPED WITH NON-WOVEN FILTER FABRIC TO ENSURE A SOIL-TIGHT JOINT.

FEMA FLOOD DATA:

SUBJECT PROPERTY LIES WITHIN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 12095C0140F, DATED SEPTEMBER 25, 2009.

PROJECT BENCHMARK:

BOUNDARY AND TOPOGRAPHIC SURVEY OF 2715 E SEMORAN BOULEVARD, APOPKA, FLORIDA. SECTION 12, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA AS PREPARED BY BENCHMARK SURVEYING & MAPPING, LLC, REVISED OCTOBER 7, 2024.

THE HORIZONTAL AND VERTICAL DATUM IS BASED ON THE FLORIDA DEPARTMENT OF TRANSPORTATION PERMANENT REFERENCE NETWORK, AND IS RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), AND NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE EQUIPMENT USED TO MAKE ALL SITE OBSERVATIONS ARE AS FOLLOWS: CARLSON BRX6 GNSS BASE + ROVER, AND GEOMAX ZOOM 80 ROBOTIC TOTAL STATION.

STORM STRUCTURE TABLE:

D-01	TYPE "C" INLET TOP EL.= 82.17 W. INV.= 77.46	D-03	MITERED END SECTION W/ ENERGY DISSIPATOR INV.= 75.00
D-02	TYPE "C" INLET W/ J BOTTOM TOP=82.06 E. INV.= 77.20 N. INV.= 77.17±(EX)	YD-01	8" INLINE DRAIN TOP=81.50 E. INV.=78.98

KEYNOTES:

- 01 CONNECT TO 4"x 4" DOWNSPOUT WITH 6" PVC AT INVERT= 79.50 AND CONTINUE TO MANIFOLD @ 1.0% MIN., REFER TO PLUMBING PLANS FOR CONTINUATION.
- 02 CONNECT TO 4"x 4" DOWNSPOUT WITH 6" PVC AT INVERT= 81.00 AND CONTINUE TO MANIFOLD @ 1.0% MIN., REFER TO PLUMBING PLANS FOR CONTINUATION.

GRADING & DRAINAGE LEGEND:

	CONCRETE WALKS - REFER TO DETAIL ON SHEET C600
	PROPOSED SPOT GRADE
	MATCH EXISTING GRADE
	TOP OF WALL ELEVATION
	BOTTOM OF WALL ELEVATION
	EXISTING SPOT GRADE
	PROPOSED DRAINAGE FLOW
	GRADE BREAK LINE

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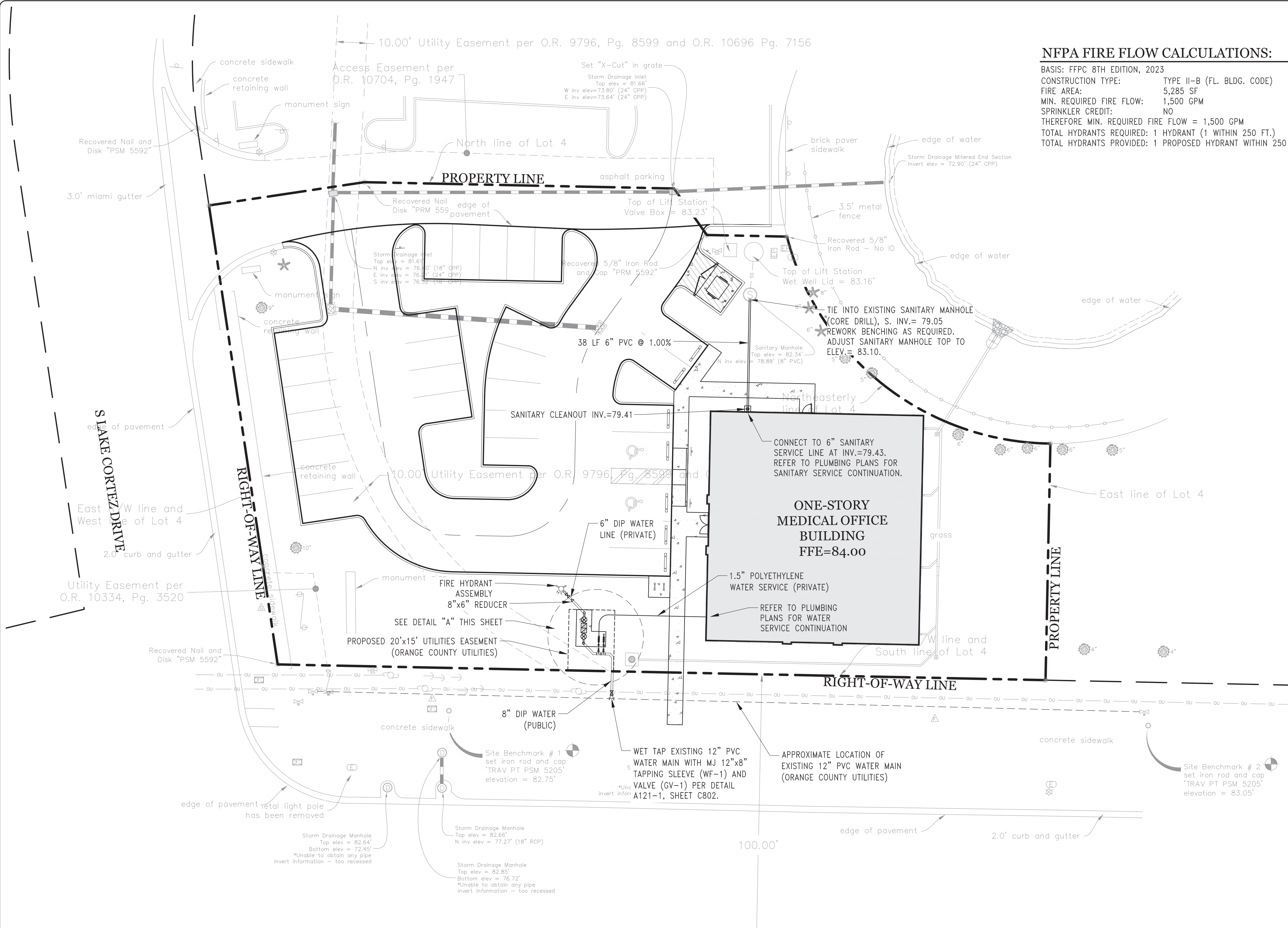
HUNT CLUB MEDICAL OFFICE BUILDING
2715 E. SEMORAN BOULEVARD
APOPKA, FL
GRADING & DRAINAGE PLAN

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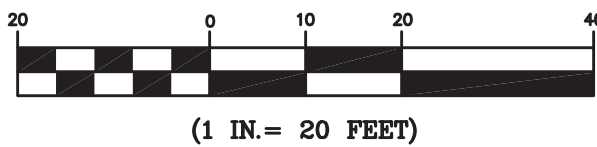
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NFPA FIRE FLOW CALCULATIONS:

BASIS: FFPC 8TH EDITION, 2023
CONSTRUCTION TYPE: TYPE II-B (FL. BLDG. CODE)
FIRE AREA: 5,285 SF
MIN. REQUIRED FIRE FLOW: 1,500 GPM
SPRINKLER CREDIT: NO
THEREFORE MIN. REQUIRED FIRE FLOW = 1,500 GPM
TOTAL HYDRANTS REQUIRED: 1 HYDRANT (1 WITHIN 250 FT.)
TOTAL HYDRANTS PROVIDED: 1 PROPOSED HYDRANT WITHIN 250 FT.

GRAPHIC SCALE



UTILITY NOTES:

- ALL WATER & WASTEWATER MAIN MATERIALS AND APPURTENANCES SHALL CONFORM TO AND SHALL BE INSTALLED, TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE STANDARDS OF ORANGE COUNTY AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
 - A. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - B. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
 - C. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER.
 - D. WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM.
- VERTICAL SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
 - A. WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE THE OUTSIDE OF THE OTHER PIPELINE.
 - B. WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE THE OUTSIDE OF THE OTHER PIPELINE.
 - C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C.
- ALL ON-SITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.
- ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION. ALL UNDERGROUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24, 2010 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". F.A.C. 69A-60.005(2).

ORANGE COUNTY UTILITY 'S NOTES:

- ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED (VERTICALLY AND HORIZONTALLY) AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH OCU INFRASTRUCTURE. (REFER TO OCU MANUAL SECTION 2111 4.03 C.-4.)
- ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
- MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER, AND RECLAIMED WATER LINES. PLEASE REFER TO THE FOLLOWING SECTIONS FROM THE 2021 OCU MANUAL: SECTION 2210, PART 4, A- WATER MAINS; SECTION 2310, PART 4, B- GRAVITY MAINS; SECTION 2311, PART 4, A-FORCE MAINS; SECTION 2510, PART 4, A- RECLAIMED WATER MAINS.
- ALL METERS TO BE INSTALLED BY OCU, BACKFLOW PREVENTERS INSTALLED BY CONTRACTOR.
- A MINIMUM OF 3 FEET HORIZONTAL SEPARATION IS REQUIRED BETWEEN UTILITY MAINS AND CURB AND STORM WATER STRUCTURES.
- NO PUBLIC MAIN SHALL BE IMPACTED THROUGH ANY TYPE OF MODIFICATIONS UNDER THIS PERMIT.

EASEMENT TABLE – ORANGE COUNTY UTILITIES						
ID NUMBER	PLAN SHEET #	EASTING	NORTHING	ELEVATION	BOUNDARY CORNER TYPE	COMMENTS
E-1	C500					
E-2	C500					
E-3	C500					
E-4	C500					

METER & BACKFLOW ASSET TABLE – ORANGE COUNTY UTILITIES						
ID NUMBER	PLAN SHEET #	EASTING	NORTHING	ELEVATION	MAIN TYPE	COMMENTS
RPBF-1	C500				WATER	1.5" REDUCED PRESSURE BACKFLOW
WM-1	C500				WATER	1" DOMESTIC METER
RPBF-2	C500				IRRIGATION	1.5" REDUCED PRESSURE BACKFLOW
WM-2	C500				IRRIGATION	1" IRRIGATION METER
DDCVA-1	C500				WATER	8" DOUBLE DETECTOR CHECK VALVE ASSEMBLY

WATER VALVE ASSET TABLE – ORANGE COUNTY UTILITIES																
ID VALVE NUMBER	PLAN SHEET #	EASTING	NORTHING	ELEVATION	VALVE TYPE	MAIN TYPE	VALVE SIZE	VALVE MANUFACTURER	VALVE MODEL No.	No. OF TURNS TO CLOSE	GEAR ACTUATOR	GEAR RATIO	SIDE ACTUATOR	ACTUATOR MANUFACTURE	COMMENTS	
GV-1	C500				GATE VALVE	WATER	10 IN.								LOCATE AT OPERATING NUT	
GV-2	C500				GATE VALVE	IRRIGATION	1.5 IN.								LOCATE AT OPERATING NUT	
GV-3	C500				GATE VALVE	WATER	1.5 IN.								LOCATE AT OPERATING NUT	

FITTING ASSET TABLE – ORANGE COUNTY UTILITIES							
ID NUMBER	PLAN SHEET #	EASTING	NORTHING	ELEVATION	MAIN TYPE	FITTING TYPE	COMMENTS
WF-1	C500				WATER	WET TAP	TAPPING VALVE & SLEEVE (BY CONTRACTOR)

Selby G. Weeks 56991

HUNT CLUB MEDICAL OFFICE BUILDING

2715 E. SEMORAN BOULEVARD
APOPKA, FL

UTILITY PLAN

revision description date

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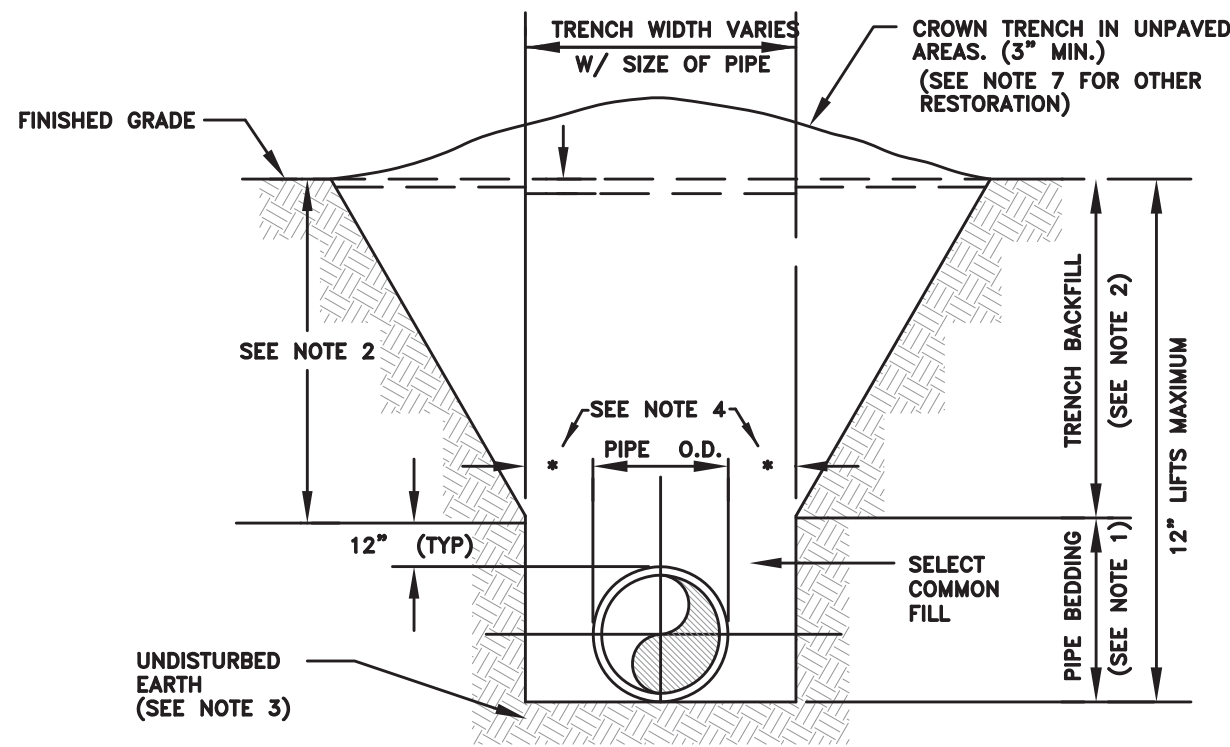
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Klima Weeks
CIVIL ENGINEERING
385 Douglas Avenue, Ste 2100
Altamonte Springs, FL 32714
Telephone 407.478.8750
Facsimile 407.478.8749

C500

File Location : P:\Land Projects 2024\24HEMB060 - Hunt Club MBI\dwg\

Filename : C600-DTLS-24HEMB060.dwg Plot Date : Oct. 22, 2024 8:16pm



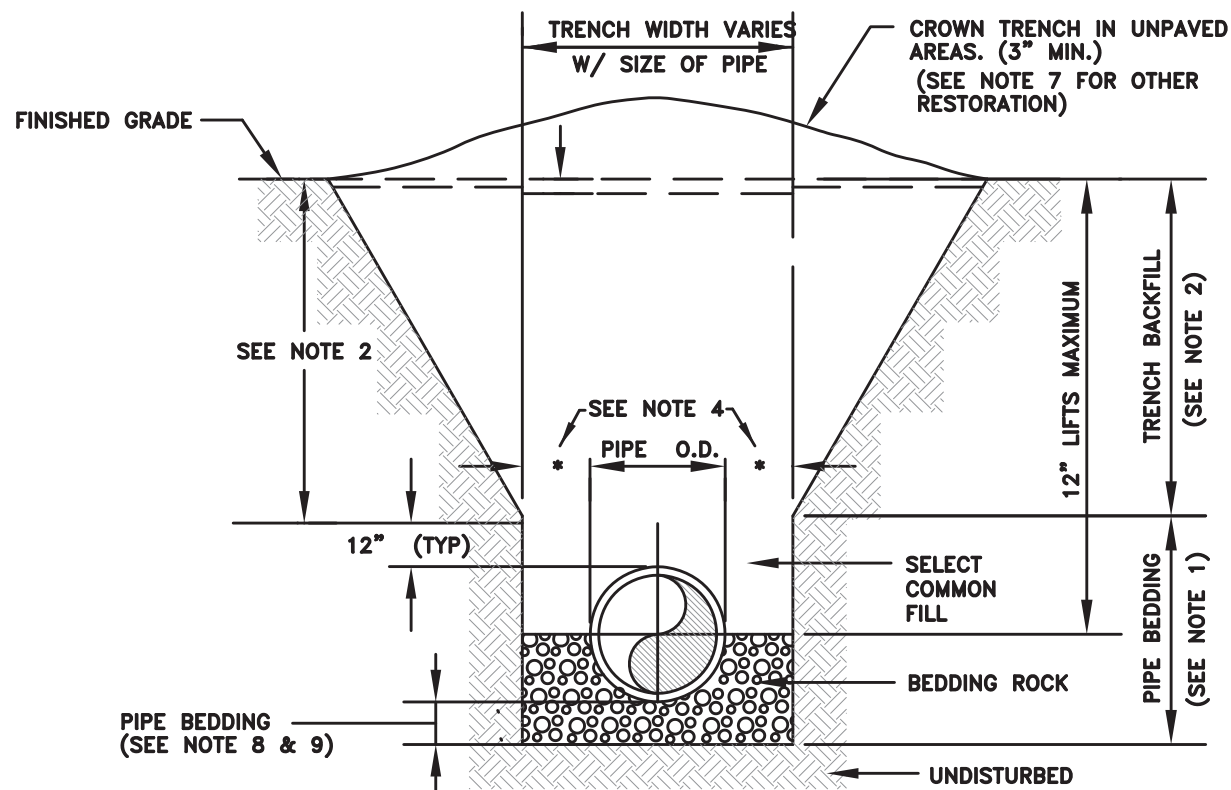
- NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS TO AASHTO T-180.
 3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE CITY.
 4. (*): 15" MAX. FOR PIPE DIAMETERS LESS THAN 24", AND 24" FOR PIPE DIAMETER 24" AND LARGER.
 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.
 8. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.
 9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 100



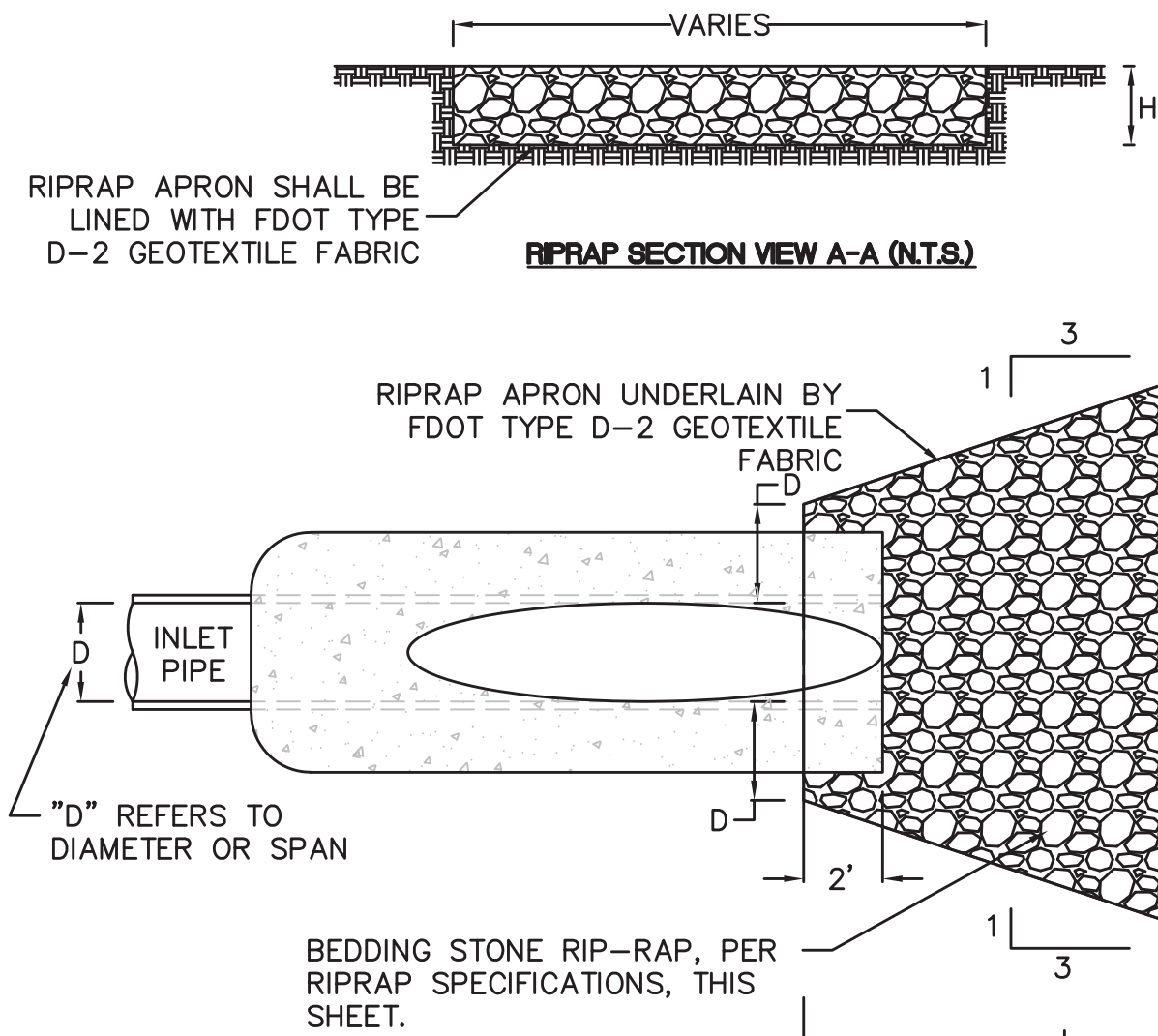
- NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
 4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
 8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
 9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
 10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

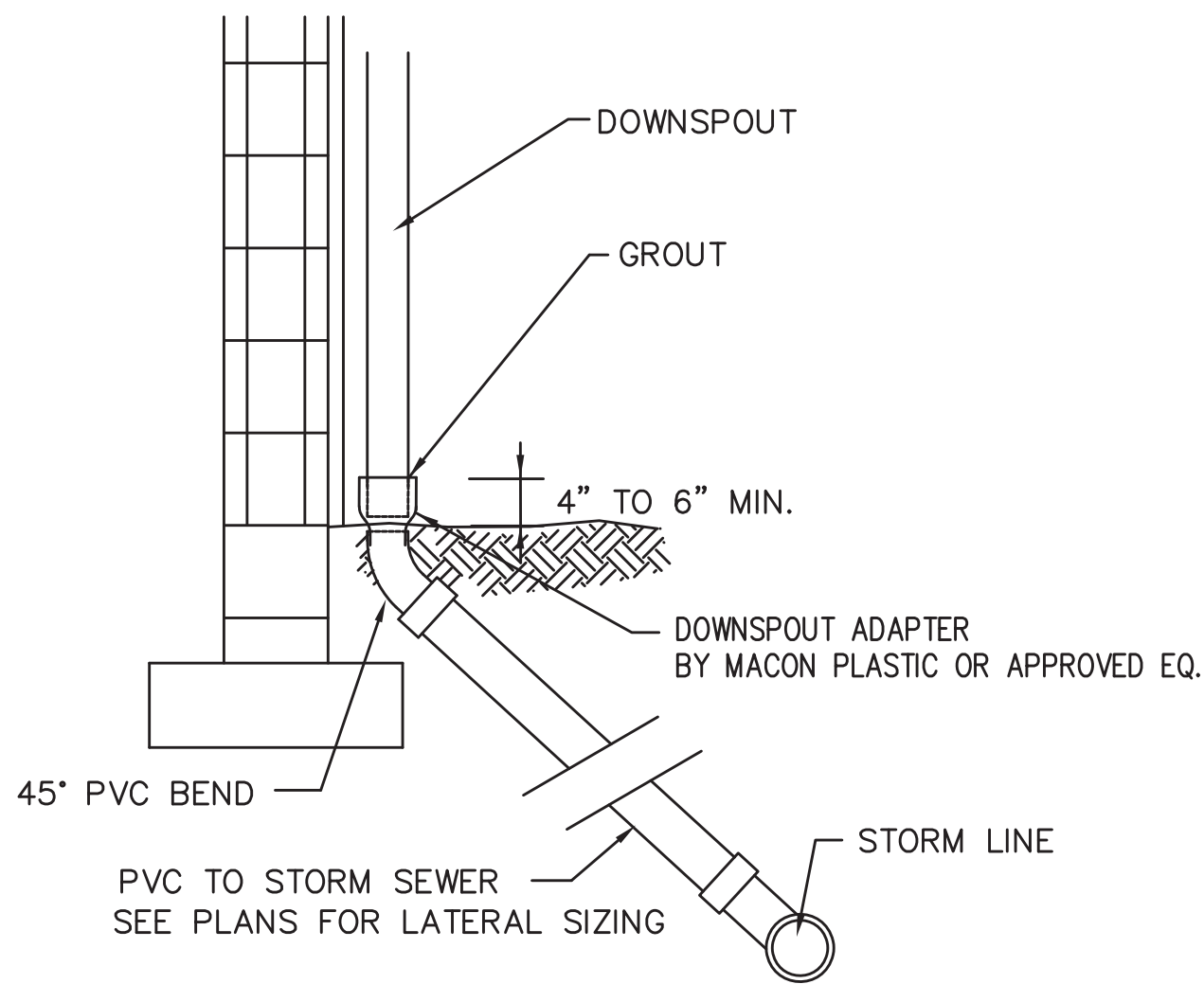
JANUARY 2014

FIG. 101



RIPRAP PLACEMENT AT MITERED END SECTION

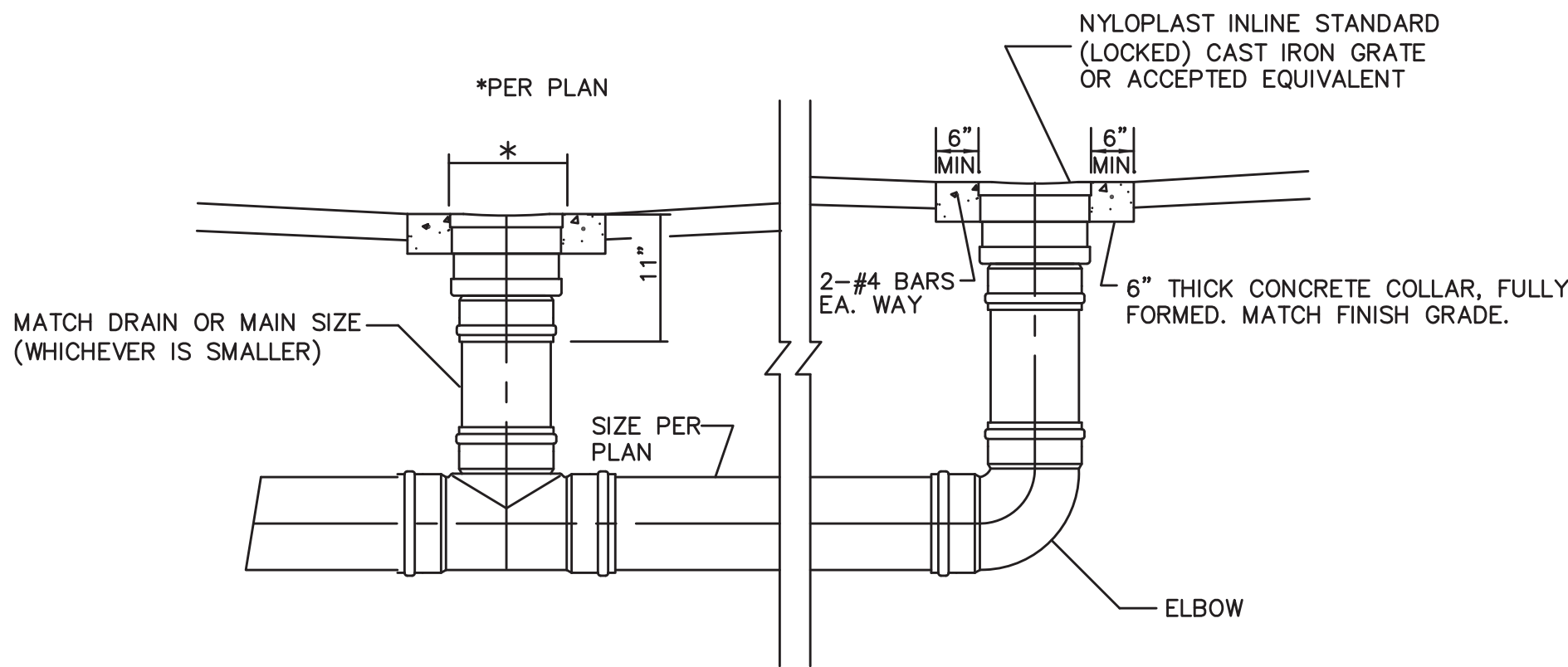
RIPRAP APRON DIMENSIONS AND ESTIMATED QUANTITIES					
INLET PIPE SIZE "D" (IN)	LENGTH OF APRON "L" (FT)	DEPTH OF APRON "H" (FT)	ESTIMATED RIPRAP (CY)	ESTIMATED GEOTEXTILE (SY)	CLASS
8	5	1.5	1.3	6	1



- NOTES:
1. VERIFY THAT THERE ARE NO CONFLICTS WITH BUILDING/WALK FOUNDATION. PROVIDE FITTINGS AS REQUIRED TO MITIGATE CONFLICT.
 2. ENSURE THAT CENTERLINE OF HUB MATCHES CENTERLINE OF DOWNSPOUT AT JUNCTION.
 3. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

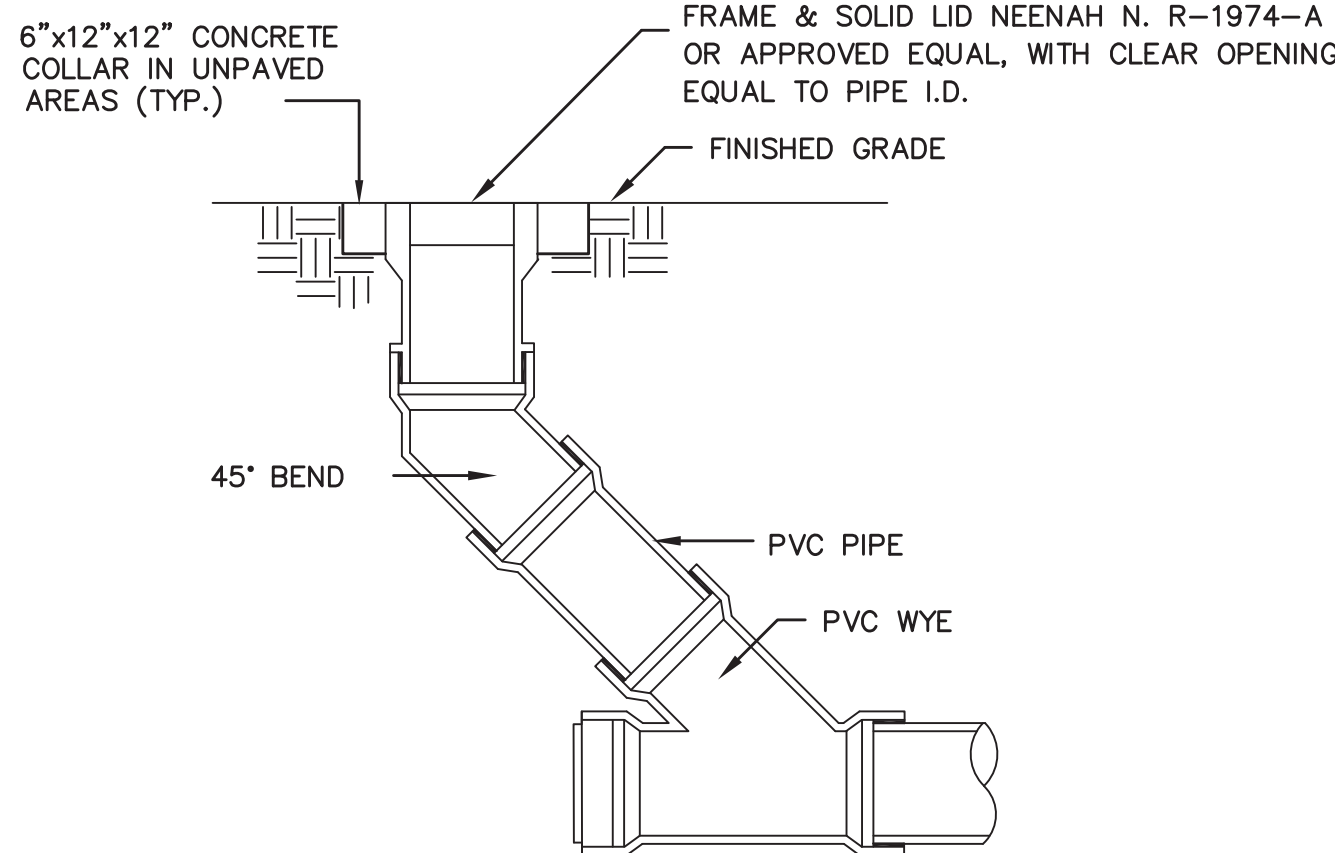
DOWNSPOUT CONNECTION DETAIL (IN GRASS)

N.T.S.



INLINE & DRAIN BASIN DETAIL

N.T.S.



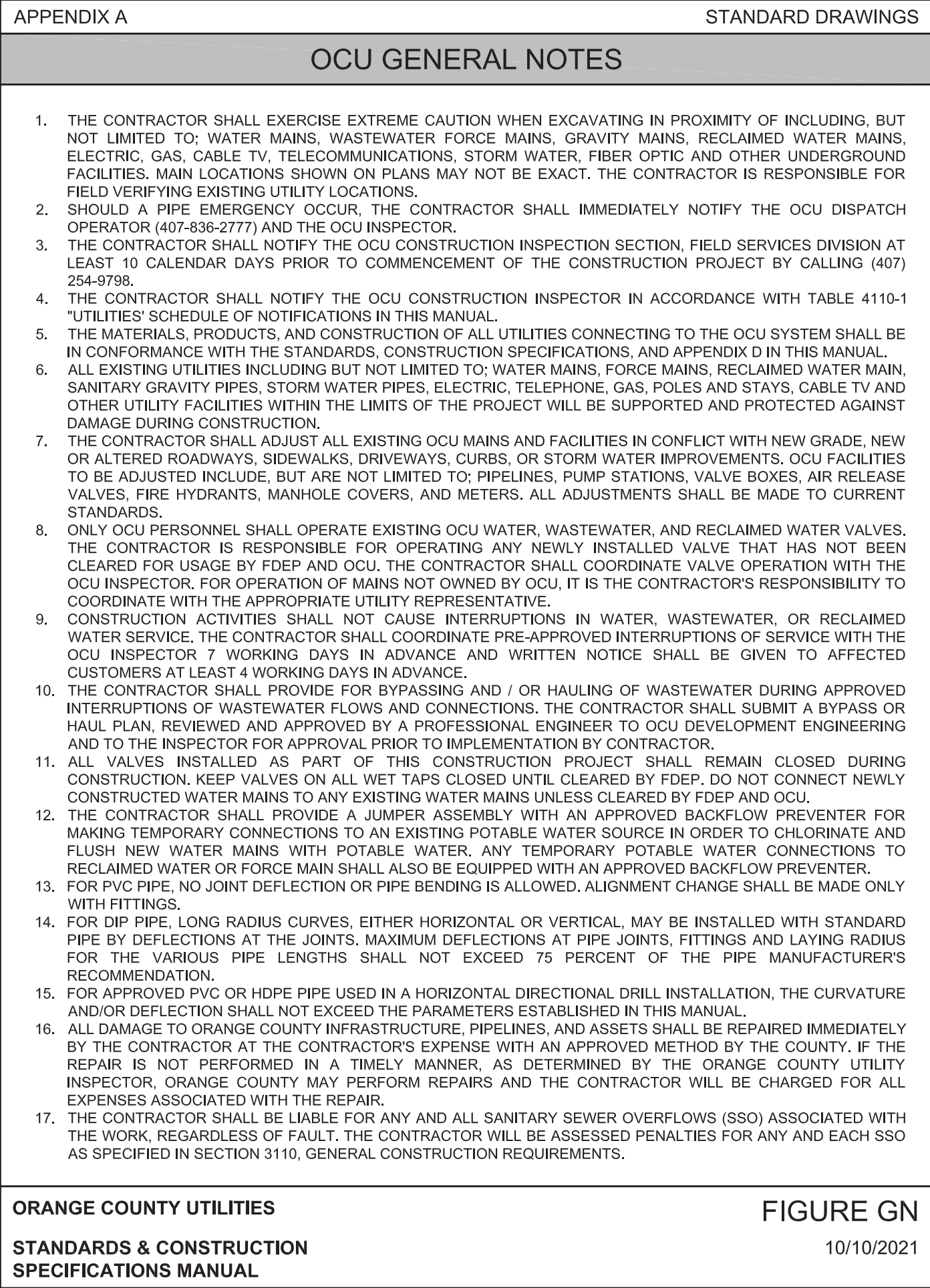
CLEANOUT DETAIL

N.T.S.

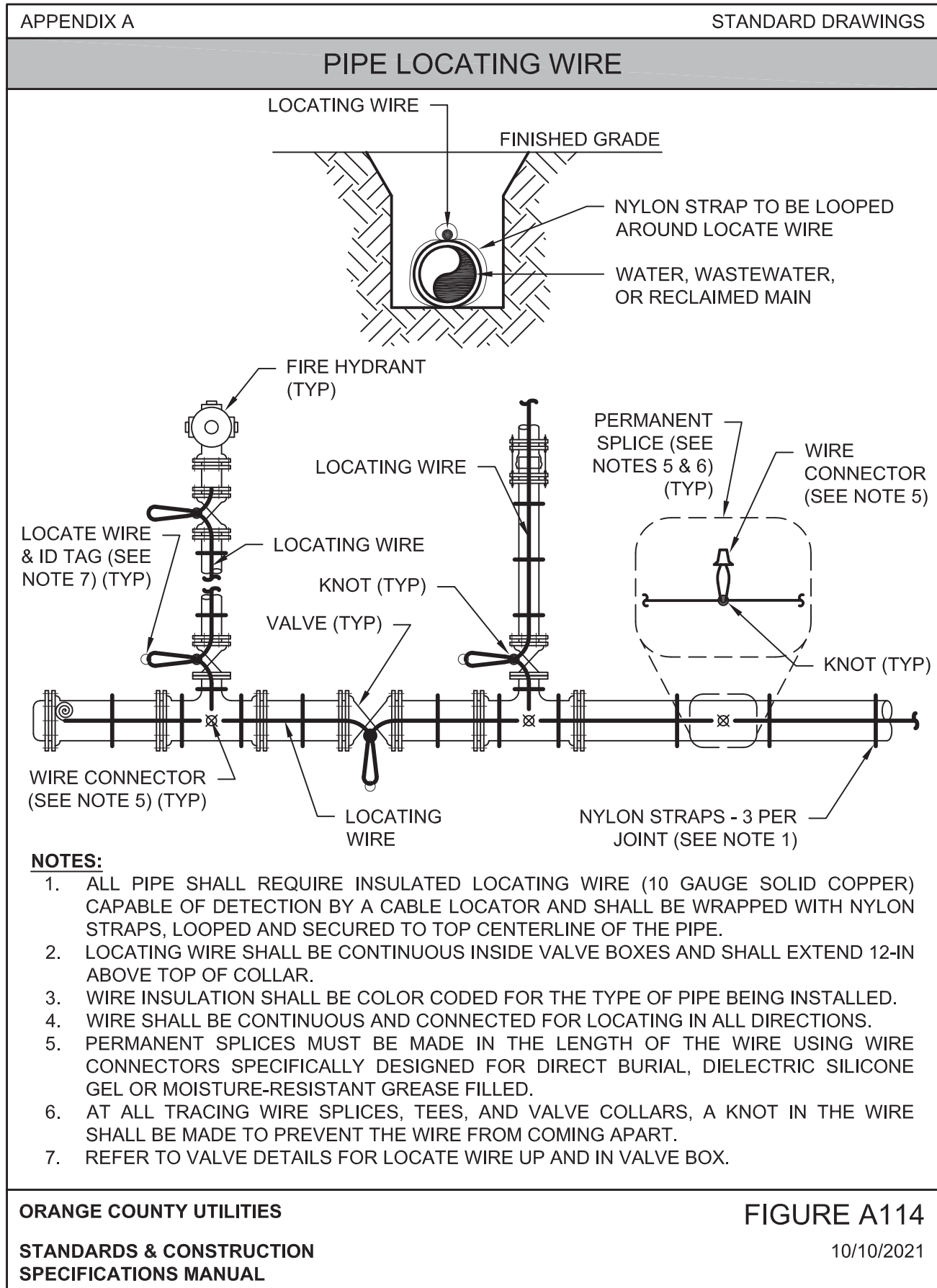
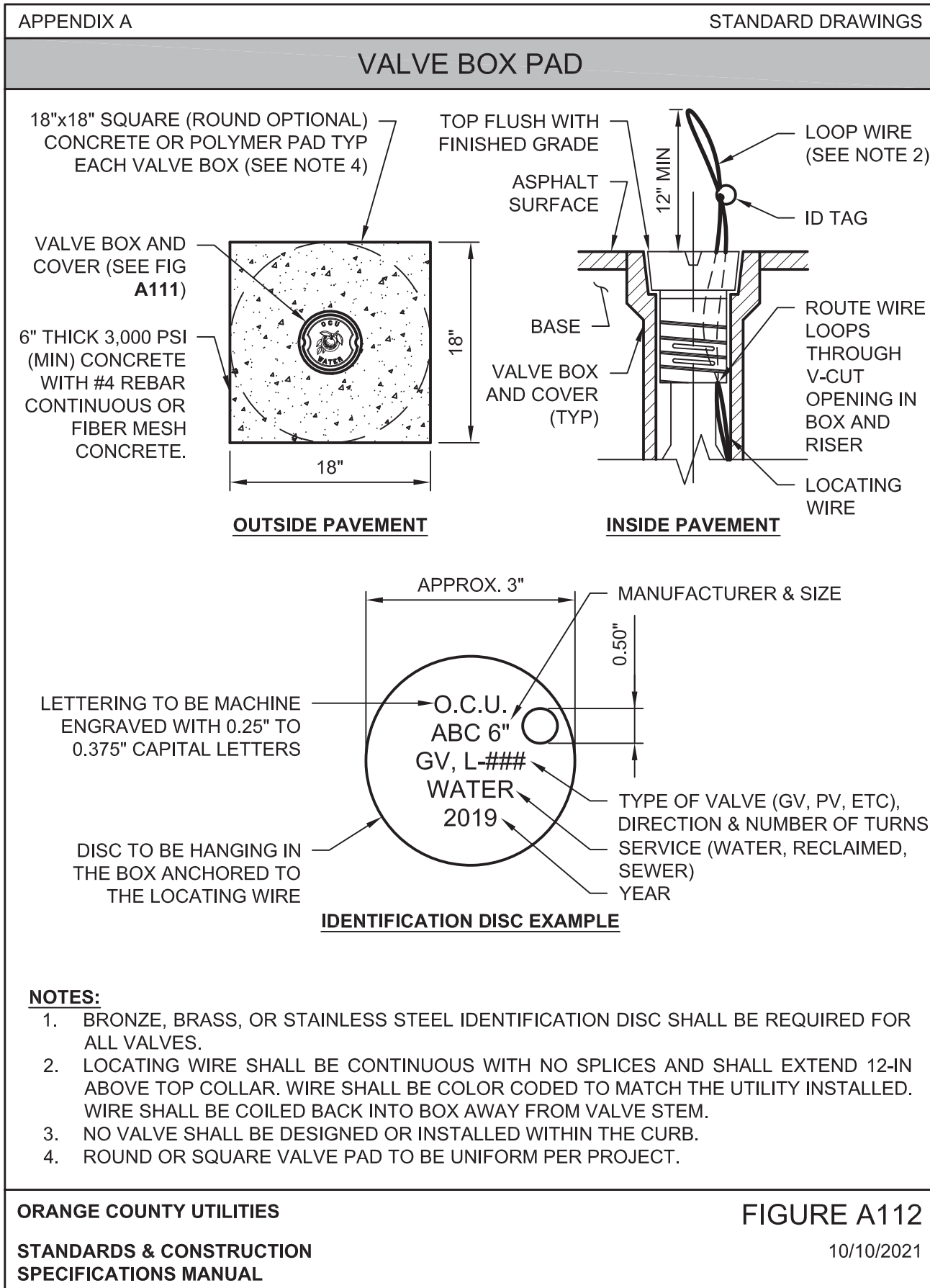
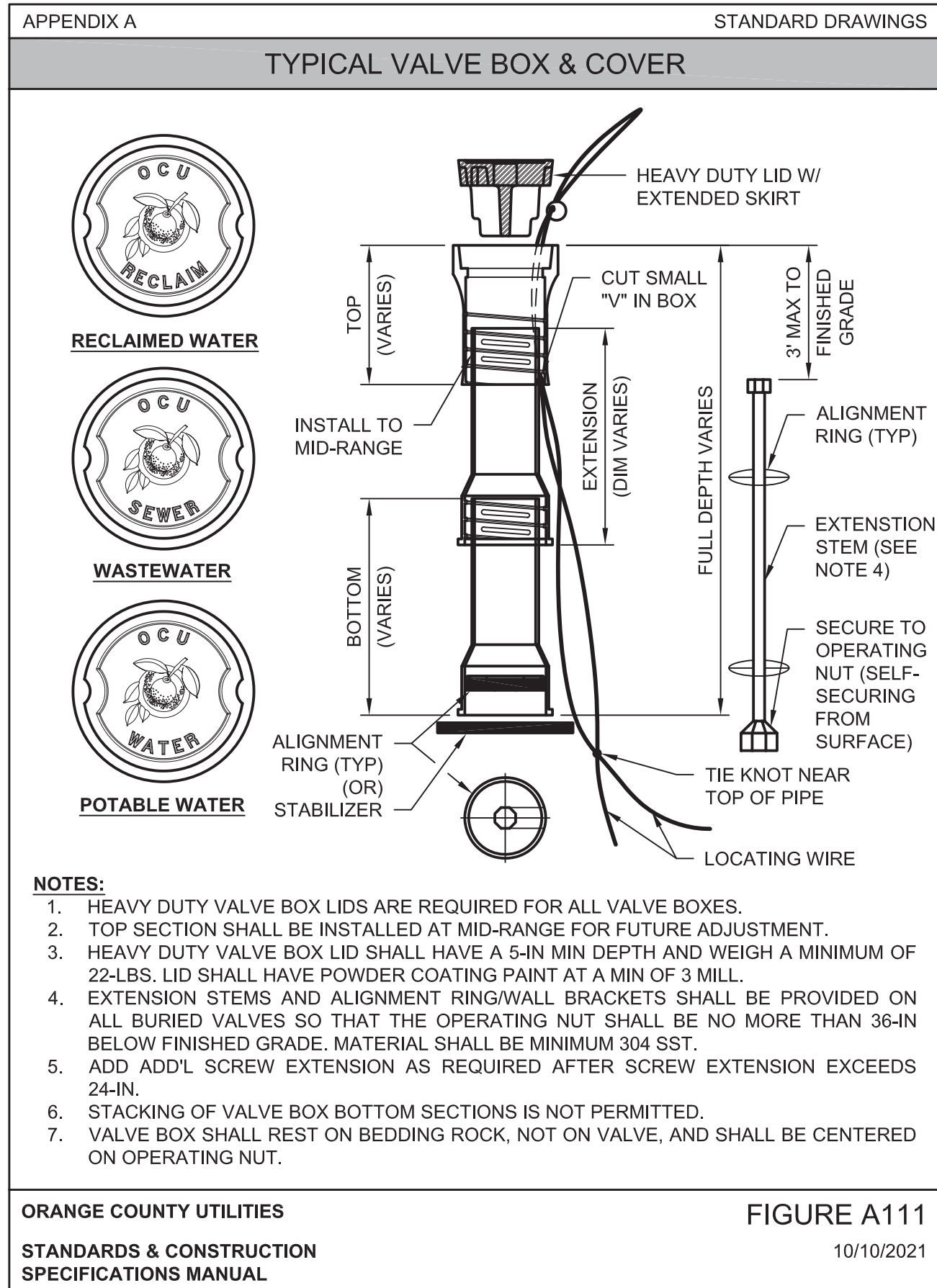
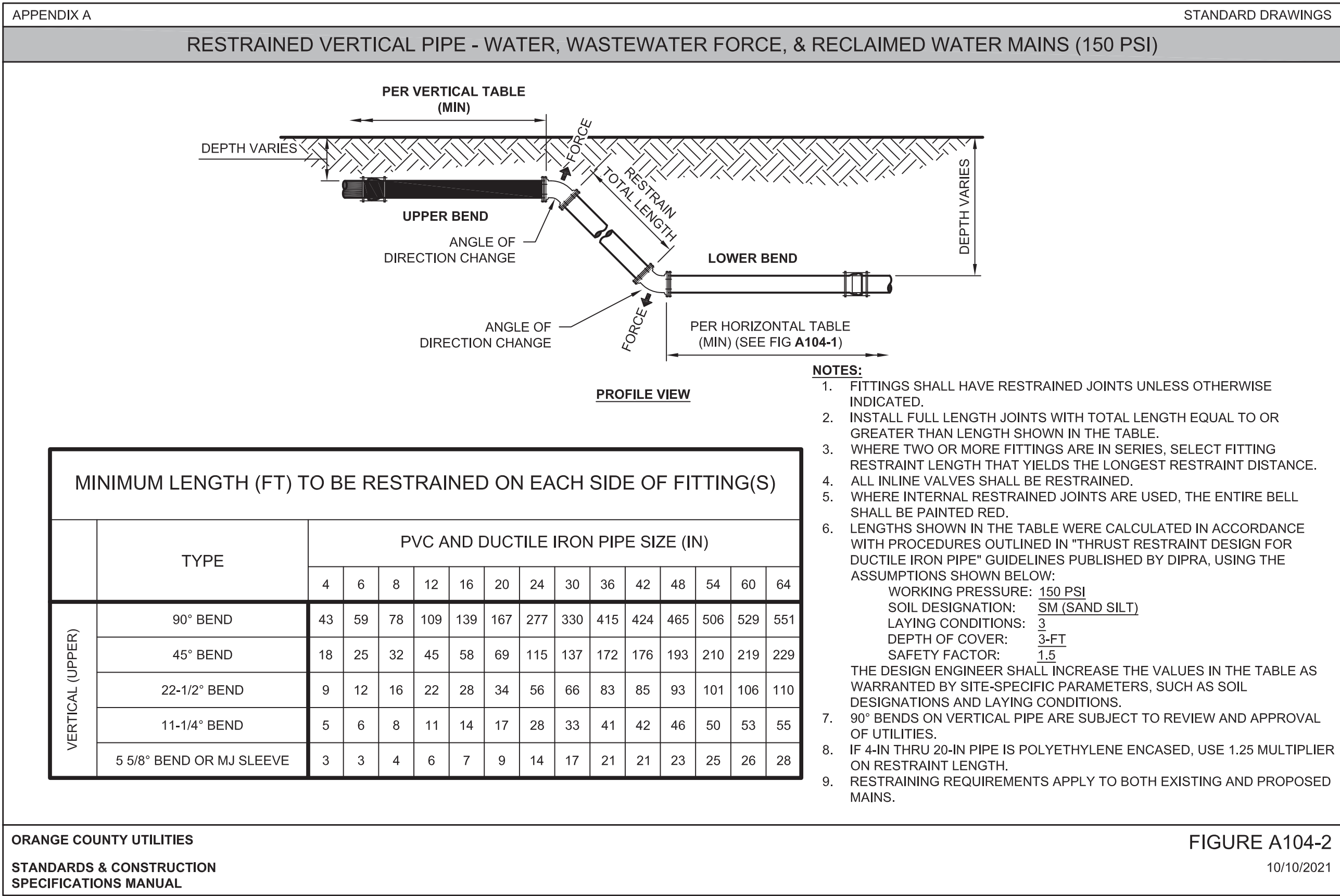
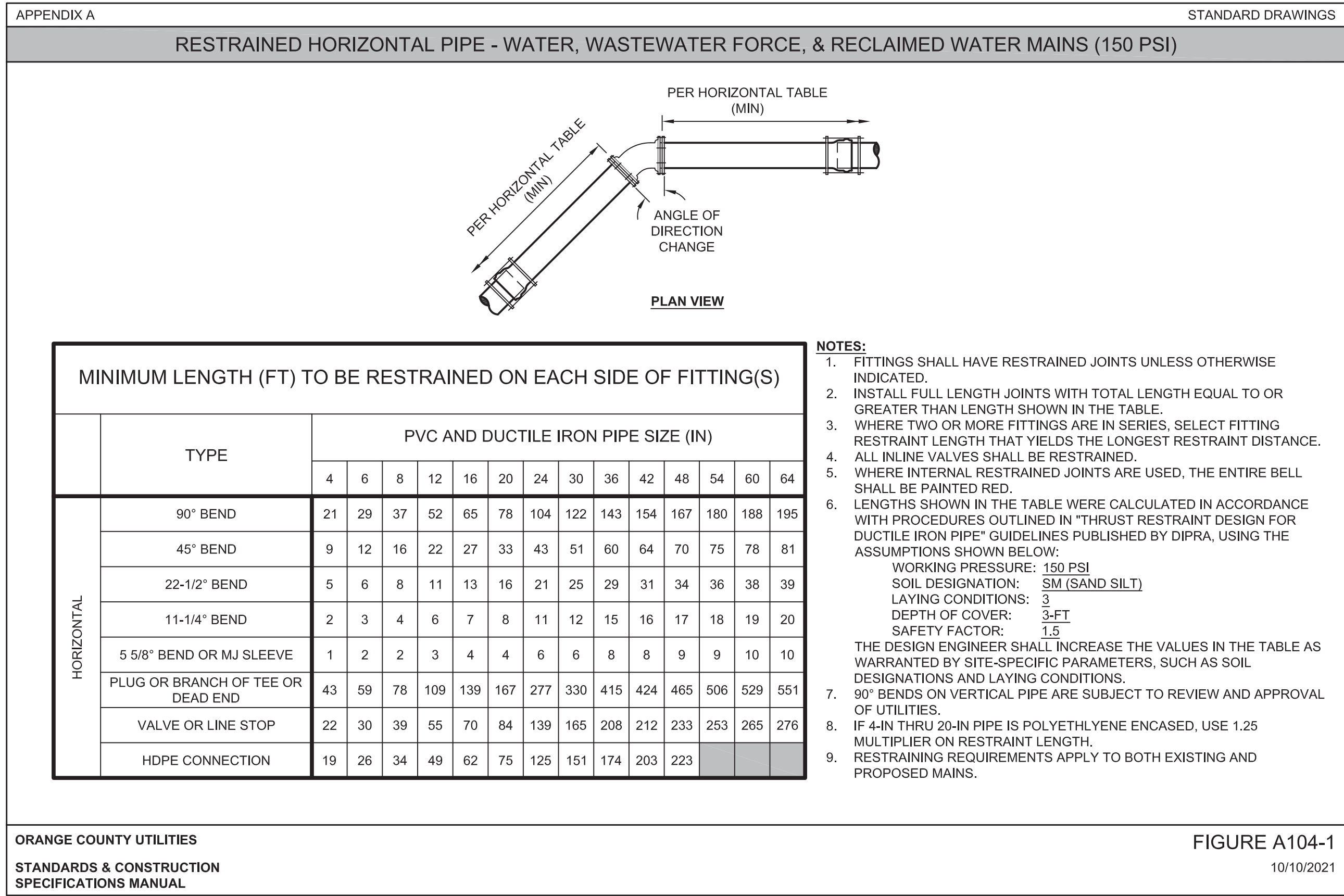
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File Location : P:\Land Projects 2024\24HEMB060 - Hunt Club MCB\dwg\



Selby G. Weeks 56991

HUNT CLUB MEDICAL OFFICE BUILDING

2715 E. SEMORAN BOULEVARD

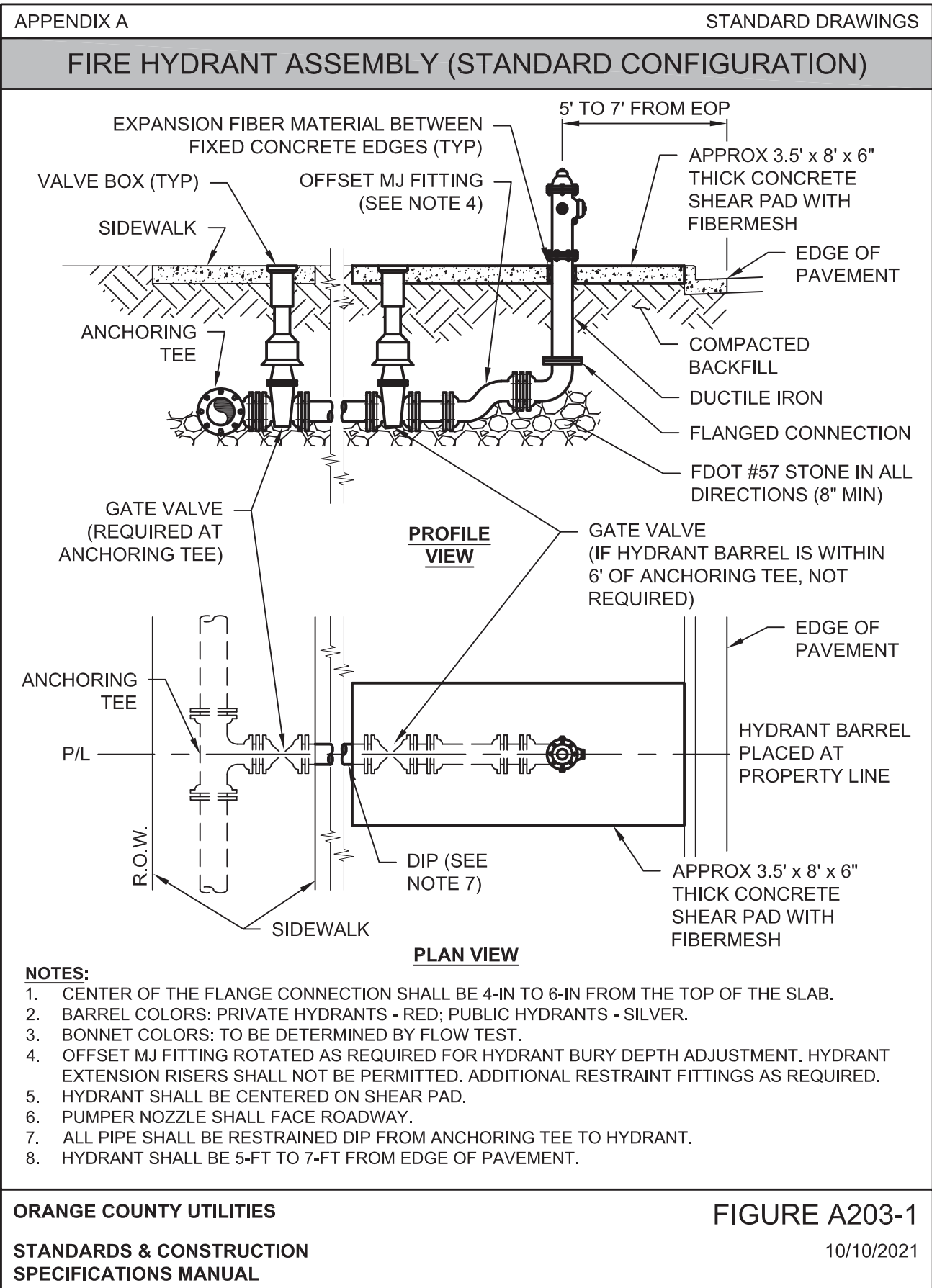
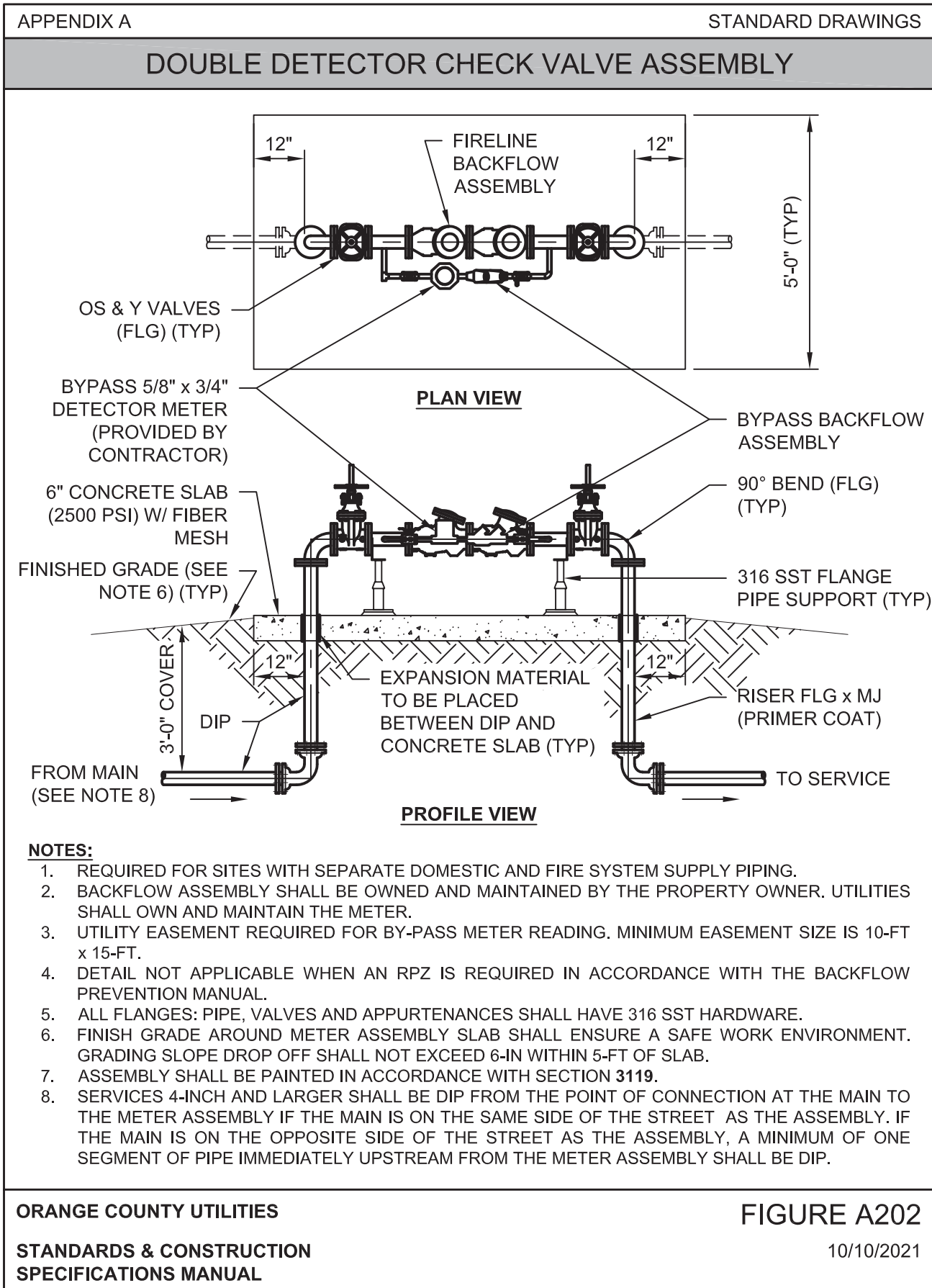
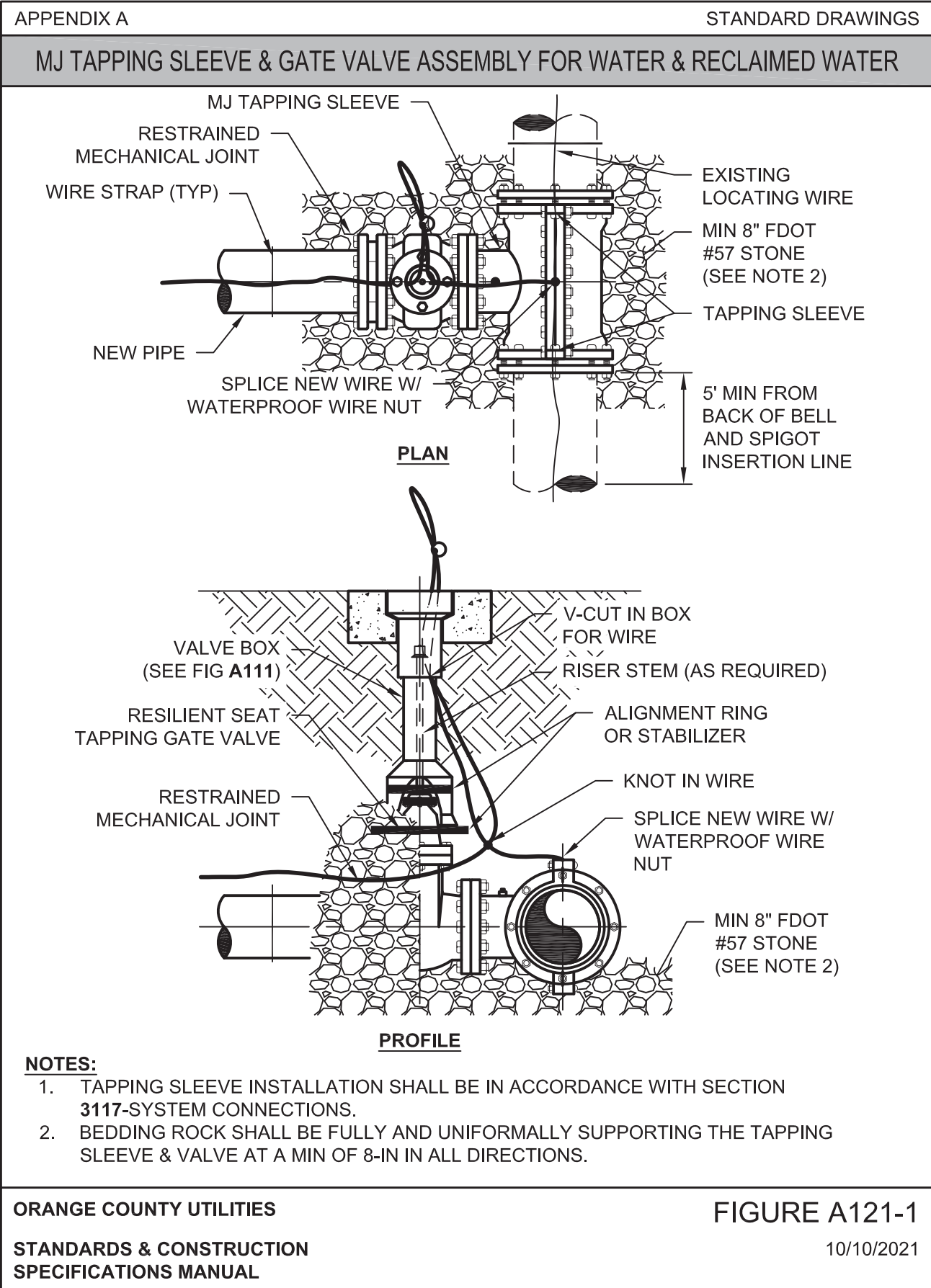
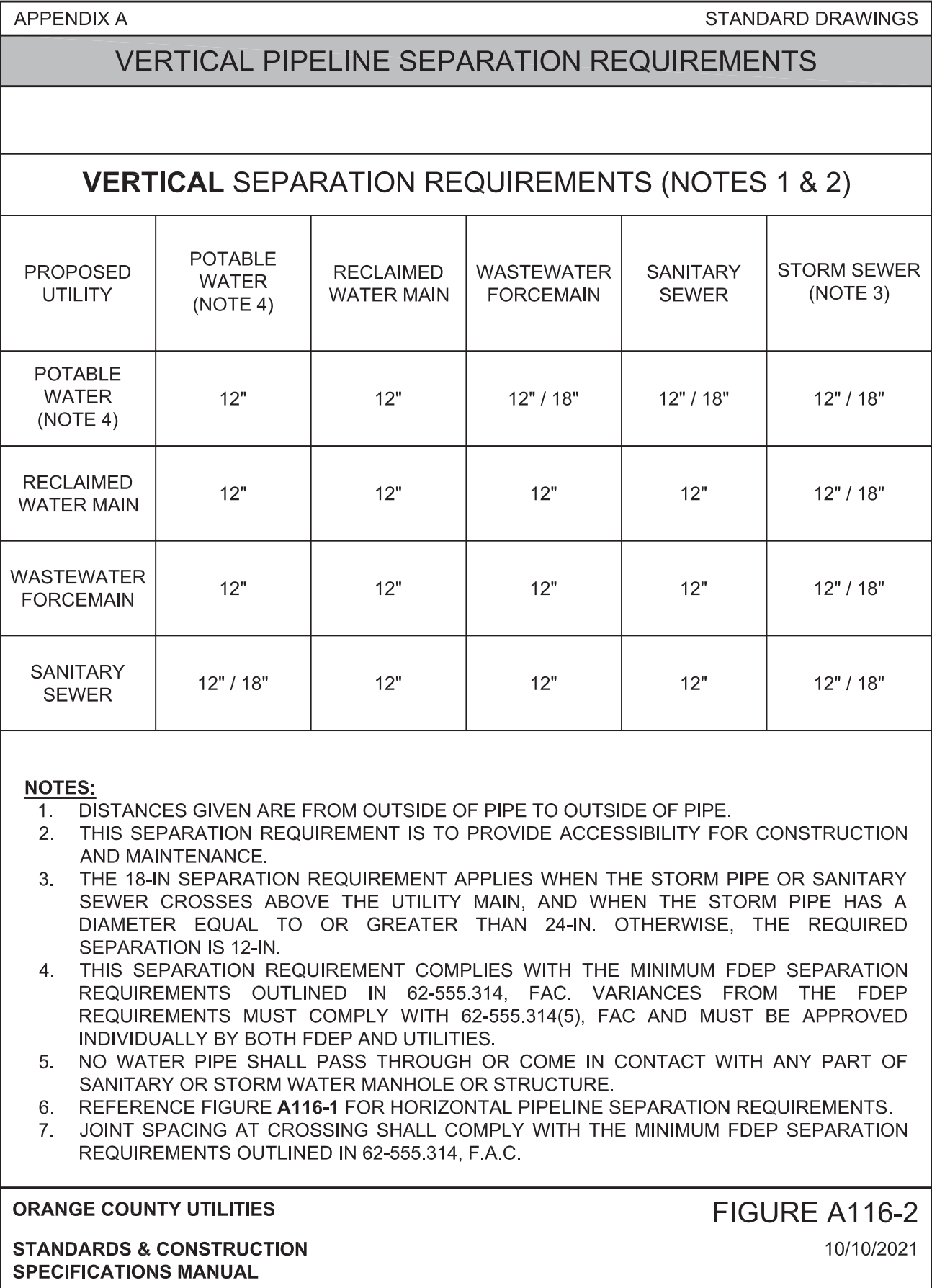
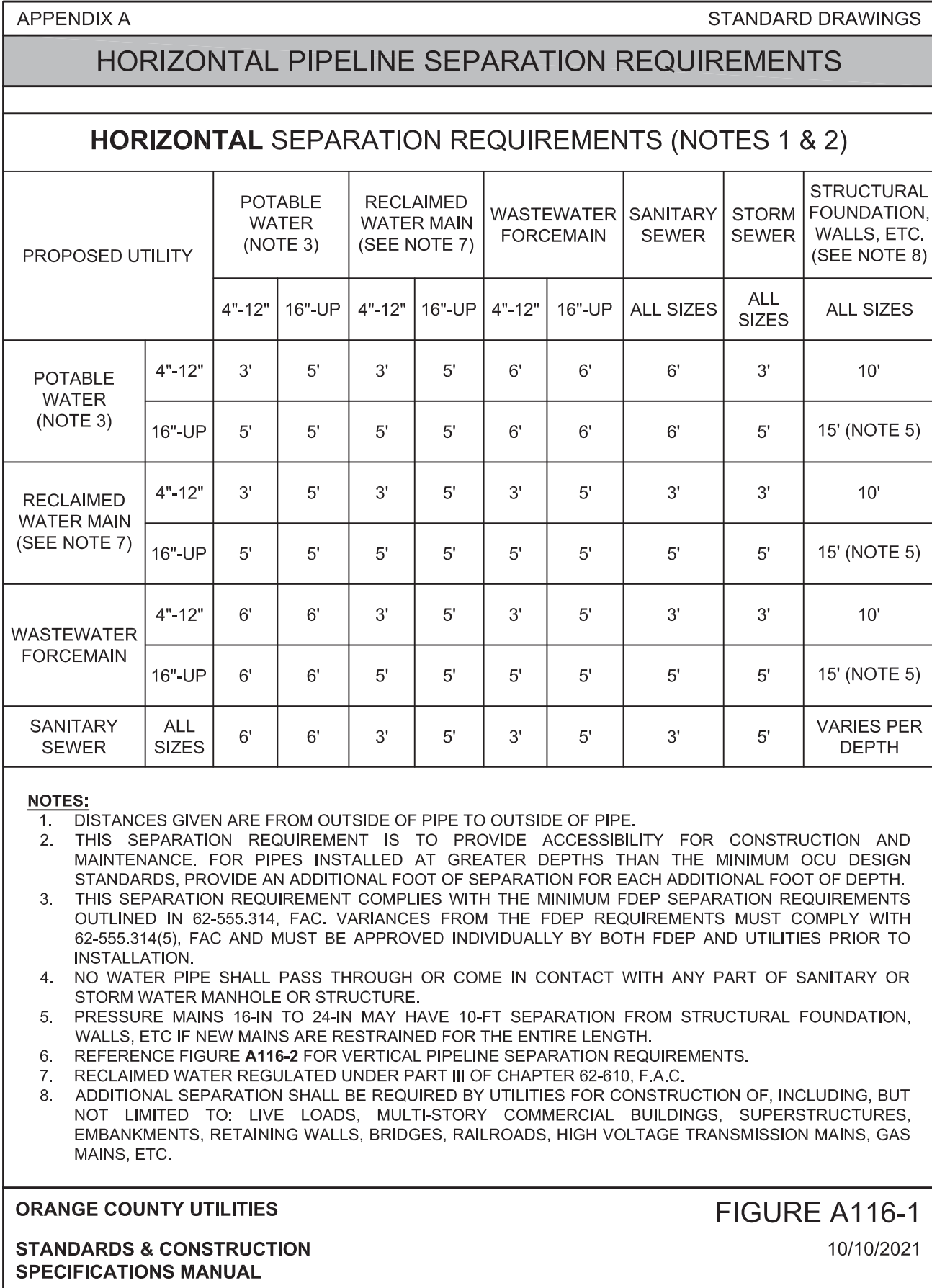
APOPKA, FL

WATER & SANITARY DETAILS

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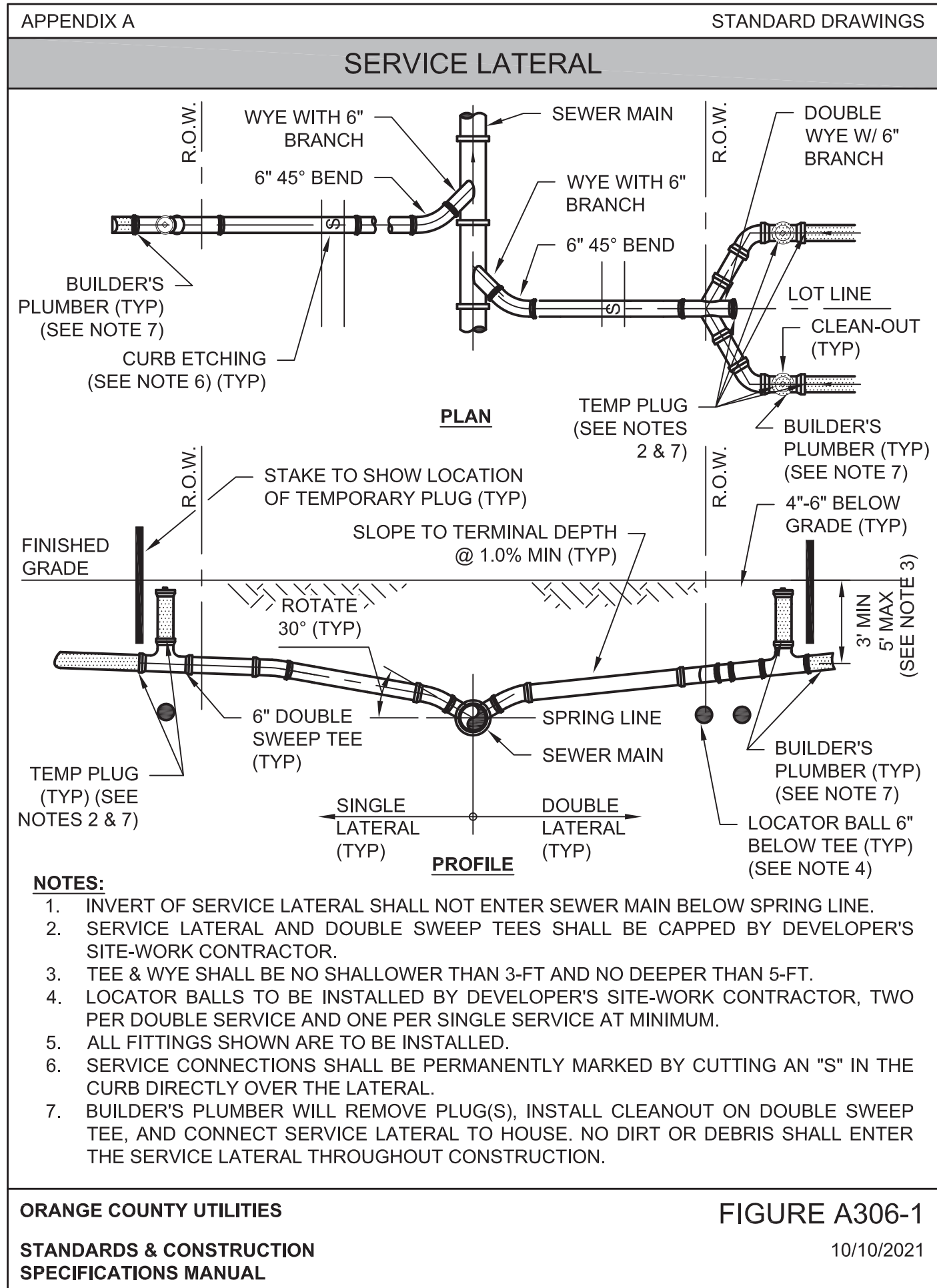
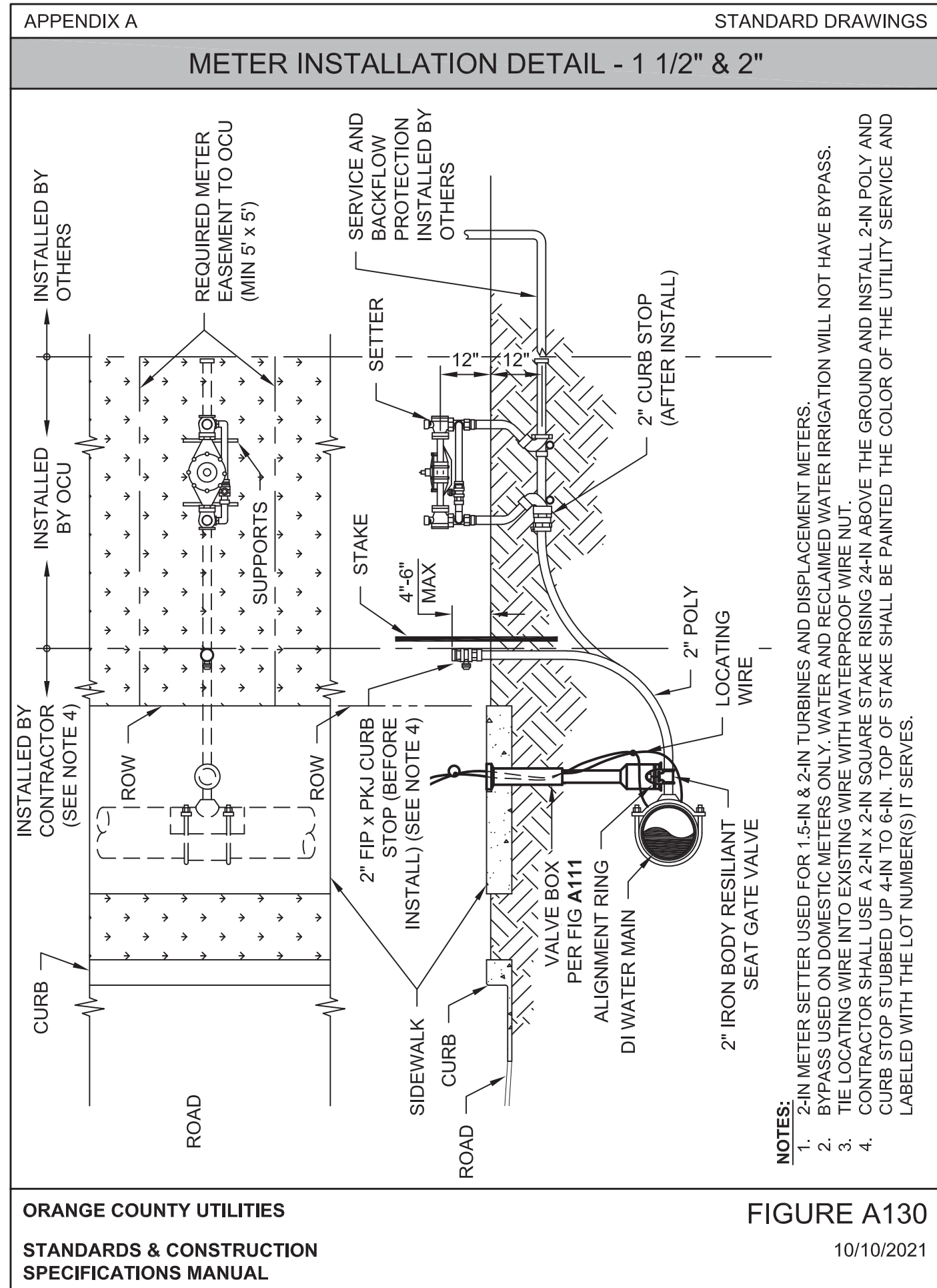
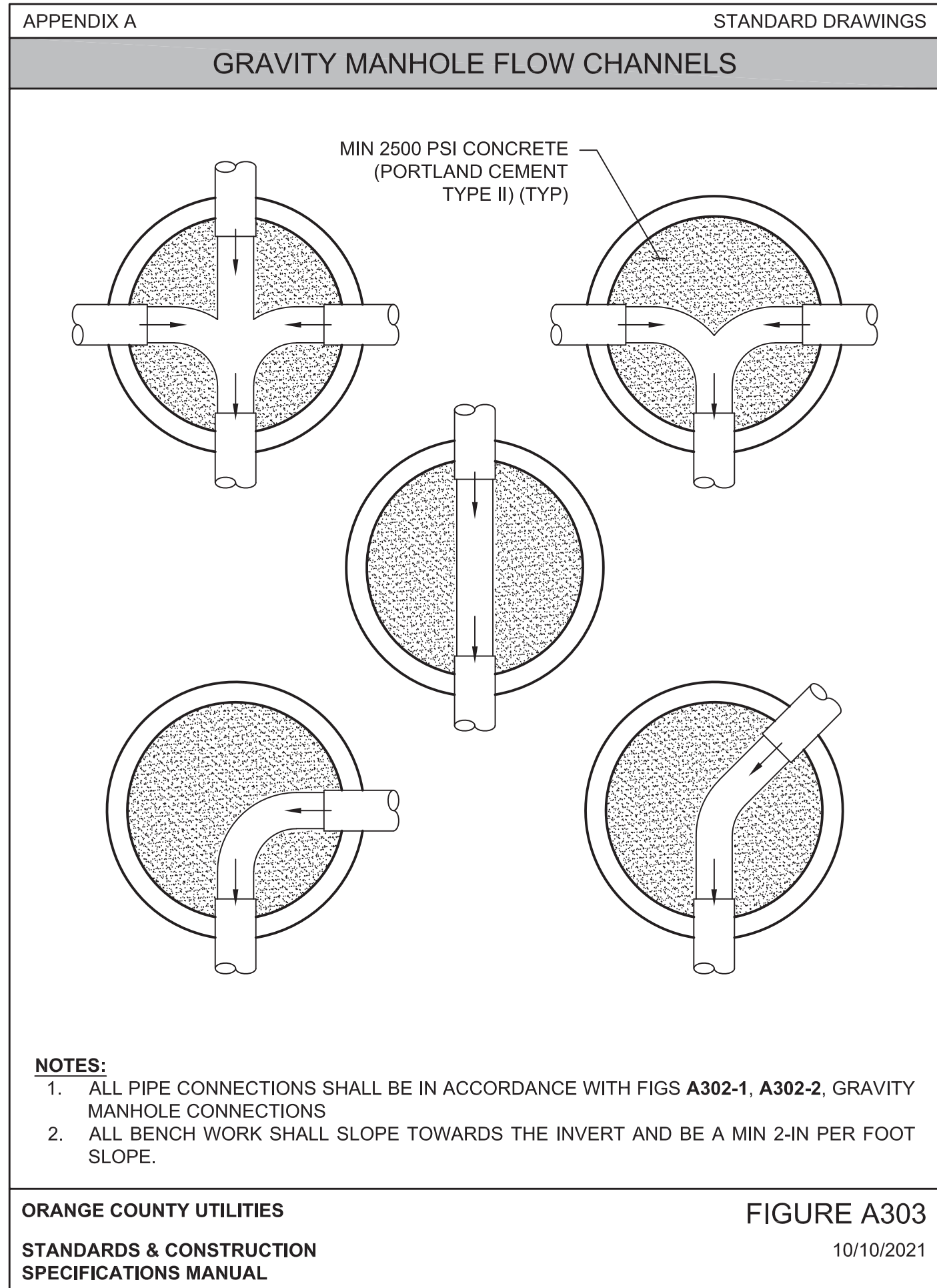
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project number:	24HEMB060
file name:	C800-DTLS-24HEMB060.dwg

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checked by: SW
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file name: C:\00-DTL-S-04\HEMBo60.DWG



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

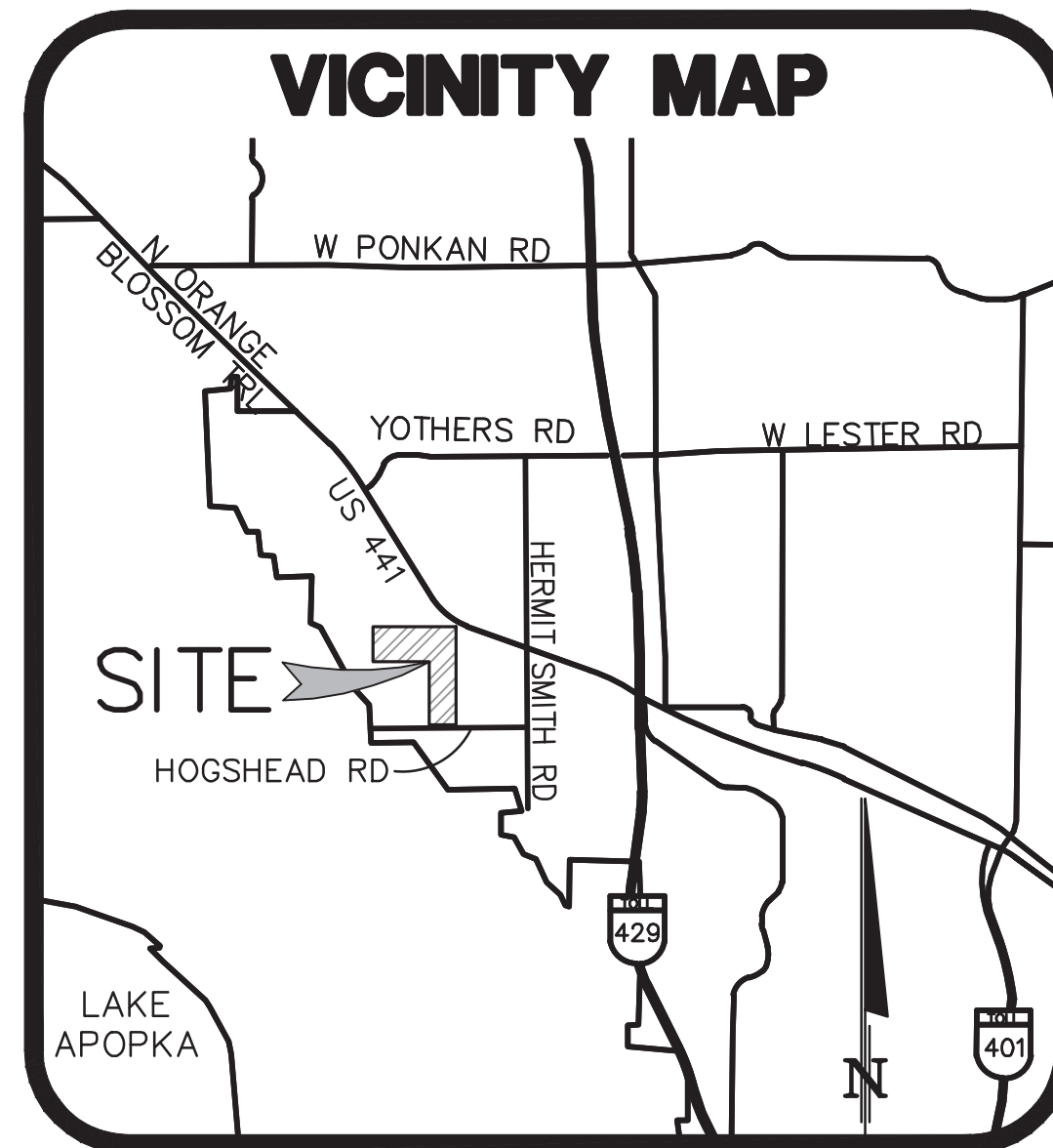
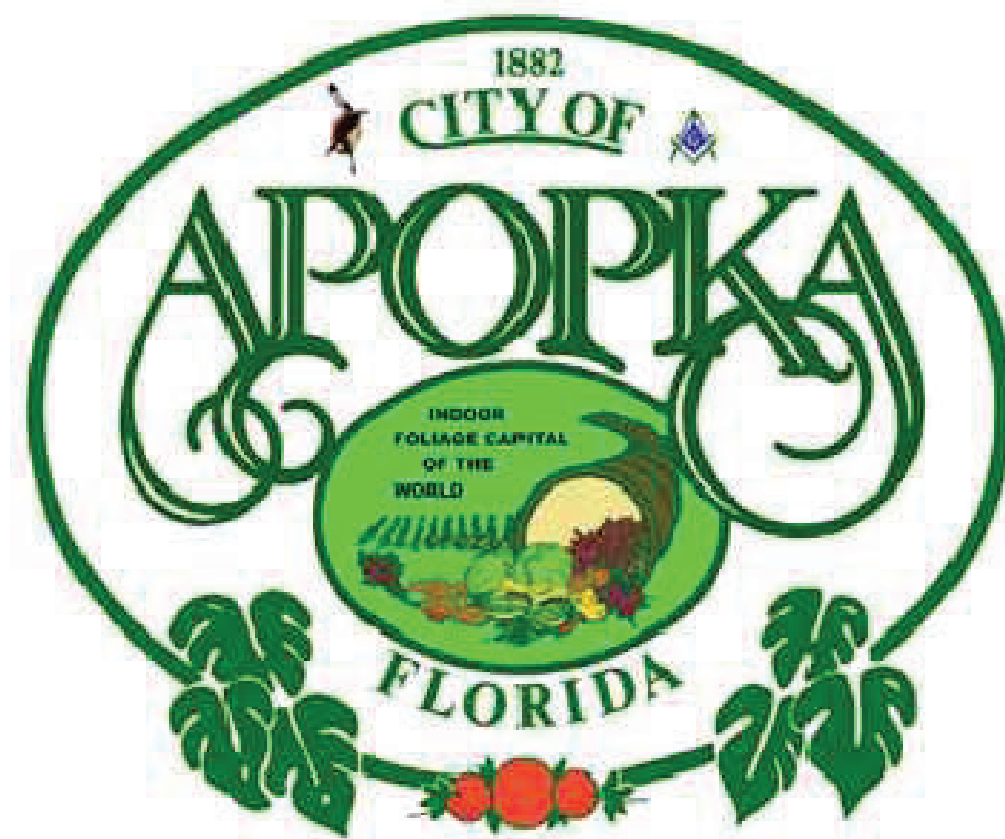
CITY OF APOPKA, FLORIDA

PREPARED FOR

ADVENTIST HEALTH SYSTEM / SUNBELT, INC.

601 EAST ROLLINS STREET

ORLANDO, FL 32803



SECTION 35, TOWNSHIP 20 S, RANGE 27 E

PROPERTY APPRAISER PARCEL ID # 35-20-27-0000-00-015

OWNER/APPLICANT:

ADVENTIST HEALTH SYSTEM/SUNBELT INC.
601 EAST ROLLINS STREET
ORLANDO, FLORIDA 32803
PH: 407.303.1159
CONTACT PERSON: STEPHEN SZUTENBACH,
AIA, LEED B ,C & D

ENGINEER/SURVEYOR:

McINTOSH ASSOCIATES
an LJA COMPANY
1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FLORIDA 32810
PH: 407.644.4068
CONTACT PERSON: JOHN T. TOWNSEND, PE

ARCHITECT

HUNTON BRADY
333 SOUTH GARLAND AVENUE, SUITE 1100
ORLANDO, FLORIDA 32801
PH: 407.839.0886
CONTACT PERSON: CHRISTOPHER J. NEMETHY,
AIA

LANDSCAPE ARCHITECTS:

MILLS DESIGN GROUP
30 WINDSORMERE WAY, SUITE 300
OVIEDO, FLORIDA 32765
PH: 407.359.5425
CONTACT PERSON: AARON EMERSON, ASLA

PHOTOMETRICS

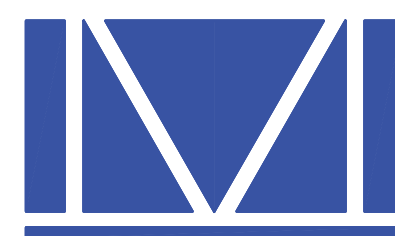
TLC ENGINEERING SOLUTIONS
255 SOUTH ORANGE AVENUE, SUITE 1600
ORLANDO, FLORIDA 32801
PH: 407.841.9050
CONTACT PERSON: WAYNE E. ALLRED, P.E.,
LEED AP

GEOTECHNICAL SERVICES

TERRACON
1675 LEE ROAD
WINTER PARK, FLORIDA 32789
PH: 407.618.8341
CONTACT PERSON: JAY CASPER, P.E.

REVISED SEPTEMBER 23, 2024

JUNE 12, 2021



McINTOSH ASSOCIATES
an **LJA** company
1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.644.4068

ENGINEERS
PLANNERS
SURVEYORS

THE ROAD DESIGN HAS BEEN DONE IN REASONABLE CONFORMANCE WITH THE FDOT "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS".

CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE CITY OF APOPKA REGULATIONS AND SPECIFICATIONS.

SHEET INDEX

C001	COVER SHEET
C002	SITE DATA, DEVELOPMENT NOTES AND LEGEND
C003	SPECIFICATIONS
C011	EXISTING CONDITIONS PLAN
C015	AERIAL
C031	MASTER SITE PLAN
C101	EROSION AND SEDIMENTATION CONTROL PLAN
C102	EROSION CONTROL AND TREE PRESERVATION DETAILS
C201–C202	HORIZONTAL GEOMETRY PLAN
C203	POINT TABLES AND SIGNAGE DETAILS
C301–C303	PAVING, GRADING AND DRAINAGE PLAN
C331	CROSS SECTIONS
C501–C502	WATER, WASTEWATER AND RECLAIMED WATER MAIN PLAN
C503–C507	PLAN & PROFILE – HOGSHEAD RD IMPROVEMENTS
C521–C524	HOGSHEAD ROAD SECTIONS
C531–C533	POTABLE WATER DETAILS
C601	WASTEWATER DETAILS
C651	LIFT STATION SITE PLAN
C652	LIFT STATION DETAILS
C751–C754	DRAINAGE DETAILS

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signed by
John T
Townsend
Date:
2024.11.07
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DEVELOPMENT NOTES

1. ALL PROPOSED DEVELOPMENT IMPROVEMENTS SHALL CONFORM TO THE CITY OF APOPKA LAND DEVELOPMENT CODE AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT REQUIREMENTS, AS APPLICABLE.
2. THE DESIGN AND CONSTRUCTION OF STORMWATER MANAGEMENT SYSTEM SHALL CONFORM TO THE CITY OF APOPKA LAND DEVELOPMENT CODE. DESIGN AND CONSTRUCTION OF THE, WATER AND SEWER SYSTEMS, UTILITIES AND EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
3. ALL PROPOSED UTILITIES (ELECTRICAL, CABLE TV, GAS, TELEPHONE, ETC.) SHALL BE INSTALLED UNDERGROUND. APPURTENANCES TO THESE SYSTEMS THAT ARE REQUIRED TO BE ABOVE GROUND SHALL BE EFFECTIVELY SCREENED.
4. IRRIGATION WATER WILL BE SUPPLIED BY POTABLE WATER FROM THE CITY OF APOPKA UNTIL RECLAIMED WATER BECOMES AVAILABLE TO THE SITE.
5. SANITARY WASTE SERVICES WILL BE PROVIDED BY THE CITY OF APOPKA. DURING PHASE 1 A PRIVATE SANITARY LIFT STATION WILL BE INSTALLED WITH FORCE MAIN DISCHARGING EAST TO THE INTERSECTION OF HOSHEAD ROAD AND HERMIT SMITH ROAD. THE FORCE MAIN WILL CONNECT TO AN EXISTING CITY FORCE MAIN AND WILL BE DEDICATED TO, OWNED AND MAINTAINED BY THE CITY OF APOPKA.
6. THIS SITE IS LOCATED IN ZONE X FLOOD HAZARD ZONE, OUTSIDE OF THE 100 YEAR FLOODPLAIN PER FEMA/FIRM MAP, ORANGE COUNTY, FLORIDA, COMMUNITY PANEL NUMBER 12095C 0125F, REVISED SEPTEMBER 25, 2009.
7. PER USDA SOIL CONSERVATION SERVICE CLASSIFICATION SYSTEM SOIL SURVEY MAPS THE ONSITE SOILS ARE AS FOLLOWS (SEE MAP BELOW):

6 – CANDLER–APOPKA FINE SAND, 5–12% SLOPES

46 – TAVARES–FINE SAND, 0–5% SLOPES

47 – TAVARES–MILLHOPPER FINE SAND, 0–5% SLOPES

48 – TAVARES–URBAN LAND COMPLEX, 0–5% SLOPES
8. PRIOR TO COMMENCING CLEARING AND GRADING ACTIVITIES, A PERMIT/LETTER FROM THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION MUST BE RECEIVED, WITH A COPY FORWARDED TO THE CITY OF APOPKA, FOR APPROVAL OF A GOPHER TORTOISE SURVEY AND ANY REQUIRED REMEDIAL ACTIVITY.
9. PROJECT LANDSCAPING WILL MEET STANDARDS SET FORTH IN SECTION 5.2 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE. LANDSCAPE AND IRRIGATION SHALL BE IN COMPLIANCE WITH "WATER WISE ORDINANCE 2069", UNLESS OTHERWISE APPROVED BY THE CITY.
10. PROJECT LIGHTING WILL MEET STANDARDS SET FORTH IN THE CITY OF APOPKA LAND DEVELOPMENT CODE (LDC) AND THE CITY'S DEVELOPMENT DESIGN GUIDELINES, UNLESS OTHERWISE APPROVED BY THE CITY. ALL LIGHT POLES (PARKING AND PEDESTRIAN) SHALL BE DECORATIVE IN STYLE WITH BASE FLUSH WITH GROUND (NO BOLLARD MOUNTED LIGHTS).
11. PROJECT SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 5.10 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE (LDC).
12. TRASH COMPACTORS WILL BE PROVIDED FOR REFUSE. REFUSE WILL BE COLLECTED BY LOCAL APPROVED FRANCHISE ON A WEEKLY BASIS AS NEEDED.
13. FIRE RESCUE WILL BE PROVIDED BY THE CITY OF APOPKA FIRE DEPARTMENT. ONSITE FIRE PROTECTION WILL BE PROVIDED WITH A LOOPED FIRE WATER DISTRIBUTION SYSTEM WITH FIRE HYDRANTS. THE BUILDING WILL BE PROTECTED WITH APPROVED AUTOMATIC FIRE SPRINKLER SYSTEMS, FDC'S AND ALARM SYSTEMS. FIRE PROTECTION SERVICES WILL BE IN COMPLIANCE WITH THE ADOPTED CITY OF APOPKA FIRE DEPARTMENT STANDARDS AND REQUIREMENTS.

14. NO OUTSIDE STORAGE OF PARTS, SUPPLIES, MATERIALS, GOODS OR EQUIPMENT SHALL BE ALLOWED, UNLESS SCREENED FROM VIEW.
15. ALL ROOF TOP EQUIPMENT SHALL BE COMPLETELY SCREENED FROM ADJACENT PROPERTY AND PUBLIC RIGHT-OF-WAYS.
16. SCHOOLS: THIS IS AN INDUSTRIAL DEVELOPMENT, NO RESIDENTIAL USES ARE PROPOSED. PUBLIC SCHOOL CAPACITY IS NOT REQUIRED.
17. PARKS & RECREATION: THIS IS AN INDUSTRIAL DEVELOPMENT, NO RESIDENTIAL USES ARE PROPOSED.
18. FOLLOWING LIST OF PERMITS, BUT NOT LIMITED TO, ARE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION:

• CITY OF APOPKA FINAL DEVELOPMENT PLAN APPROVAL

• FDEP POTABLE WATER SYSTEM DISTRIBUTION PERMIT

• FDEP WASTEWATER COLLECTION SYSTEM PERMIT

• ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ERP

• NPDES PERMITTING (INCLUDING NOI AND NOT)
19. THE CITY'S SUSTAINABILITY REQUIREMENTS: PER SECTION 5.11.4.A.2.B OF THE LDC, NON-RESIDENTIAL DEVELOPMENTS PROPOSING MORE THAN 25,000 S.F. OF BUILDING FLOOR AREA SHALL ACHIEVE A MINIMUM OF 4 POINTS FROM THE CITY'S GREEN BUILDING POINT SYSTEM. THE GREEN BUILDING POINTS BEING ACHIEVED BY THIS PROJECT FROM THE MENU OF OPTIONS IN TABLE 5.11.4.B OF THE LDC ARE AS FOLLOWS:

SUSTAINABILITY SUMMARY		
OPTION	POINTS ACHIEVED	
USE CENTRAL AIR CONDITIONS THAT ARE ENERGY STAR QUALIFIED	0.5 (TO BE DEMONSTRATED AT TIME OF BUILDING PERMIT)	
ORIENT AT LEAST 50 PERCENT OF NON-RESIDENTIAL BUILDINGS WITHIN 20% OF EAST-WEST AXIS FOR MAXIMUM SOLAR EXPOSURE	1.50 (BOTH BUILDINGS ARE ORIENTATED LENGTHWISE WITHIN 0.1% OF EAST-WEST AXIS)	
PROVIDED RAIN GARDENS OR OTHER APPROPRIATE STORM WATER INFILTRATION SYSTEM(S) THAT ACCOMMODATES A MINIMUM OF 25% OF RUNOFF	1.00 (ALL SITE RUNOFF IS BEING MANAGED IN DRY RETENTION PONDS)	
EQUIP THE PROJECT WITH AT LEAST ONE ALTERNATIVE INDEPENDENT SOURCE OR ELECTRICITY SUPPLY SO THAT THE PROJECT IS CAPABLE OF OPERATING IF A PRIMARY SOURCE OF POWER EXPERIENCES AN INTERRUPTION	1.00 (ALL BUILDINGS TO BE EQUIPPED WITH GENERATORS TO POWER CRITICAL FACILITIES)	
TOTAL	4.00	

SITE DATA

1. THE PROPOSED PROJECT IS PHASE 1 OF THE DEVELOPMENT, OVER PORTIONS OF THE EXISTING VACANT LAND WITHIN ADVENT HEALTH'S PROPERTY. THE PROPOSED DEVELOPMENT CONSIST OF CONSTRUCTION AND OPERATION OF A FOOD PROCESSING PLANT AND WAREHOUSE FACILITIES. IMPROVEMENTS WILL INCLUDE ONE BUILDING, WITH TWO (2) FUTURE BUILDING EXPANSION AREAS, PAVED PARKING AND DRIVE AISLES, SIDEWALKS, ASSOCIATED UTILITIES, STORMWATER MANAGEMENT FACILITIES, AND LANDSCAPING IMPROVEMENTS. FUTURE PHASE AREAS WILL BE DEVELOPED IN THE FUTURE UNDER SEPARATE PERMIT.
2. PROJECT AREA:

PHASE 1: 411,141.81 SF = 9.439 ACRES

PHASE 2 (FUTURE): 1,933,089.53 SF = 44.378 ACRES

TOTAL LAND AREA: 2,344,232.45 SF = 53.816 ACRES
3. PROJECT ADDRESS: 4051 FUDGE ROAD, APOPKA, FL 32703
4. EXISTING ZONING: I-L, RESTRICTED INDUSTRIAL
5. SURROUNDING ZONING:

NORTH: MIXED-EC

EAST SIDE: PUD AND AG

WEST SIDE: I-L

SOUTH SIDE: I-L
6. FUTURE LAND USE (FLU) DESIGNATION: INDUSTRIAL
7. SURROUNDING FUTURE LAND USE (FLU): SEE SHEET C015 FOR DETAILS
8. EXISTING LAND USE: VACANT, ABANDONED LANDSCAPE NURSERY (SILVICULTURE)
9. PROPOSED LAND USE: FOOD PROCESSING AND DISTRIBUTION FACILITIES
10. MINIMUM REQUIRED SETBACKS:

FUDGE ROAD R/W: 25 FT

SIDE ADJACENT AG PROPERTY: 10 FT

SIDE ADJACENT I-1 PROPERTY: 10 FT

REAR : 10 FT

RAILROAD R/W : 0 OR 10 FT

ZERO WHEN BUILDING IS DESIGNED FOR RAILROAD LOADING/UNLOADING
11. LANDSCAPE BUFFER YARDS:

FUDGE ROAD R/W: 25 FT

ADJACENT TO AGRICULTURAL: 10 FT w/ 6' WALL

ADJACENT TO RESIDENTIAL: 50 FT w/ 6' WALL

ADJACENT TO INDUSTRIAL: 10 FT
12. BUILDING SUMMARY:

PHASE 1: BUILDING 1: 60,900 SF

BUILDING EXPANSIONS: 15,000 SF

TOTAL BUILDING FOOTPRINT: 75,900 SF
13. FLOOR AREA RATIO (FAR) PHASE 1:

ALLOWABLE: 0.60

PROVIDED BUILDING 1: 0.15

PROVIDED WITH EXPANSION: 0.18
14. BUILDING HEIGHT:

ALLOWABLE: 45'

PROPOSED: 30'
15. REQUIRED VEHICULAR PARKING SPACES SHALL COMPLY WITH SECTION 5.1 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE. REQUIRED PARKING IS AS FOLLOWS:

PHASE 1: (75,900 SF WAREHOUSE FACILITY) * (2 SPACE/1000 SF) = 152 SPACES

PER ADVENT HEALTH THE MAXIMUM ANTICIPATED NUMBER OF EMPLOYEES AND REQUIRED PARKING COUNT FOR A STANDARD SHIFT WILL BE 50 EMPLOYEES FOR BUILDING 1 (PHASE 1 w/ EXPANSIONS) OPERATIONS. THE PROVIDED PARKING SPACES WILL PROVIDE PARKING FOR 2 SHIFTS (IF NEEDED) TO ALLOW FOR SHIFT PARKING OVERLAP.
16. PROVIDED VEHICLE PARKING:

PARKING PHASE 1:

STANDARD PARKING: 188 SPACES

HANDICAP PARKING: 6 SPACES

TOTAL PARKING PROVIDED: 194 SPACES
17. TRUCK LOADING BERTHS PER CITY CODE PER LDC SECTION 5.1.12 AND TABLE 5.1.12.A:

BUILDING 1: 4 SPACES REQUIRED 10 SPACES PROVIDED
18. HANDICAPPED PARKING SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE (FAC). SECTION 208.2 OUTLINES THE TOTAL REQUIRED ACCESSIBLE PARKING SPACES ON TABLE 208.2.

REQUIRED HC PARKING: PHASE 1 : 6 SPACES
19. REQUIRED OPEN SPACE PER SECTION 5.4.4 OF THE CITY OF APOPKA LDC, IS A MINIMUM OF 5% LAND AREA. PHASE 1.

MINIMUM REQUIRED: (411,141.81 SF * 5%) = 20,557.10 SF = 0.472 ACRES

PROVIDED: 43,213.87 SF = 0.992 AC (INCLUDES PERIMETER LANDSCAPE AREAS ONLY. DOES NOT INCLUDE STORMWATER PONDS, INTERNAL LANDSCAPE ISLANDS OR FOUNDATION LANDSCAPE AREAS AROUND BUILDINGS)
20. PERVIOUS AREA PROVIDED (PHASE 1, w/ EXPANSIONS): 184,919.15 SF = 4.245 AC
21. IMPERVIOUS AREA: THE PROPOSED PROJECT IS NOT WITHIN A PD, NO MAXIMUM IMPERVIOUS SURFACE RATIO CRITERIA APPLIES.

PHASE 1.

PROPOSED: BUILDING 1 w/ EXPANSIONS (FOOTPRINT) = 75,900 SF = 1.74 ACRES = 18.4%

PAVEMENT, SIDEWALKS, ETC: 150,323 SF = 3.45 ACRES = 36.6%

TOTAL IMPERVIOUS SURFACE = 226,223 SF = 5.19 ACRES = 55.0%

UTILITY PROVIDERS

CITY OF APOPKA

WATER, WASTEWATER & RECLAIM
PUBLIC SERVICES DEPARTMENT
748 EAST CLEVELAND STREET
APOPKA, FL 32703
PH: 407.889.1718
FAX: 407.889.1748

DUKE ENERGY

ELECTRICAL DIVISION
452 EAST CROWN POINT ROAD
WINTER GARDEN, FL 32787
PH: 407.905.3302
FAX: 407.905.3365

CENTURYLINK FLORIDA, INC.

TELECOMMUNICATIONS
33 NORTH MAIN STREET
WINTER GARDEN, FL 34787
PH: 407.814.5351
FAX: 407.814.5320

SPECTRUM

CABLE TV
65 SOUTH KELLER ROAD
ORLANDO, FL 32810
PH: 407.215.5505
FAX: 407.215.5758

LAKE APOPKA NATURAL GAS

NATURAL GAS
1320 WINTER GARDEN VINELAND RD
WINTER GARDEN, FL 34787
PH: 407.656.2734
FAX: 407.410.7024

LEGEND

EXISTING	ITEM	PROPOSED
180	DRAINAGE LINE, SIZE AND CALL-OUT	D
	CURB INLETS	
	DITCH BOTTOM INLET, YARD INLET, DRAINAGE MANHOLE, CONTROL STRUCTURE AND MITERED END SECTION	
	U-TYPE ENDWALL	UEW-9
	STRAIGHT ENDWALL	SEW-10
	WINGED ENDWALL	WEW-11
	FLARED END SECTION	FES-12
N/A	RIP RAP (EROSION CONTROL)	
	SURFACE DRAINAGE DIRECTION SWALE	
100	CONTOUR ELEVATION	100
N/A	GRADING ELEVATION, HIGH POINT (HP) OR LOW POINT (LP)	HP OR LP
	SLOPE (HORIZ:VERT)	5:1
	FENCE LINE W/ GATE	
	WATER LINE, VALVE, HYDRANT ASSEMBLY, REDUCER AND BLOW-OFF	
	WATER METER AND MASTER METER ASSEMBLY	
	FIRE PROTECTION WATER LINE & SIZE AND POST INDICATOR VALVE	
N/A	FIRE PROTECTION POINT OF SERVICE	POS
	FIRE DEPARTMENT CONNECTION	FDC
	RECLAIMED WATER LINE, SIZE, VALVE, REDUCER AND BLOW-OFF	
	RECLAIMED WATER LINE & PLUG	
	SANITARY SEWER MANHOLE, SINGLE SERVICE LATERAL WITH CLEAN-OUT, DOUBLE SERVICE LATERAL, DUCTILE IRON PIPE & SIZE AND PLUG	
	BUILDING SETBACK LINE	BSL
N/A	PHASE LINE	
N/A	EDGE OF PAVEMENT RADIUS DIMENSION	25'R
	NUMBER OF PARKING SPACES	Ⓢ
	HANDICAP PARKING SPACE W/ SIGN	Ⓢ
	TRAFFIC CONTROL SIGN	
	PAINTED WHITE DIRECTIONAL ARROWS	
N/A	12" WHITE CROSSWALK (F.D.O.T. INDEX 17346) WITH 2' STOP BAR	
N/A	CONCRETE SIDEWALKS AND CURB RAMPS	
N/A	CONCRETE PAVEMENT	
N/A	ASPHALT PAVEMENT	
N/A	DECORATIVE PAVEMENT FEATURE	

APPLICABLE FDOT STANDARD DRAWINGS

INDEX #	DESCRIPTION
125-001	MISCELLANEOUS UTILITY DETAILS
350-001	CONCRETE PAVEMENT JOINTS
425-001	SUPPLEMENTARY DETAILS FOR MANHOLES AND INLETS
425-010	STRUCTURE BOTTOMS TYPE J AND P
425-020	CURB INLET TOPS TYPES 1, 2, 3 AND 4
425-052	DITCH BOTTOM INLETS TYPES C, D, E AND H
425-053	DITCH BOTTOM INLETS TYPES F AND G
430-001	MISCELLANEOUS DRAINAGE DETAIL
430-020	FLARED END SECTION
430-021	CROSS DRAIN MITERED END SECTION
430-022	SIDE DRAIN MITERED END SECTION
520-001	CURB & CURB AND GUTTER
522-001	CONCRETE SIDEWALK
522-002	DETECTABLE WARNING AND SIDEWALK CURB RAMPS
522-003	CONCRETE FLARED DRIVEWAYS
700-109	TRAFFIC CONTROLS FOR STREET TERMINATIONS
711-001	SPECIAL MARKING AREAS

NOTES:

1. THIS LIST IS NOT ALL INCLUSIVE, OTHERS MAY APPLY.
2. THESE STANDARDS ARE REFERENCING FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS, FY 2023-24 EDITION.



McINTOSH
ASSOCIATES
an **LMA** company

1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.844.4068

Seals

DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
REVISED PER COUNTY COMMENTS	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/Designed MAB / MAB Checked By JTT

Drawing Title

SITE DATA,
DEVELOPMENT
NOTES AND
LEGEND

Sheet Number

C002
2 OF 36

DONALD W. MCINTOSH ASSOCIATES, INC. RESERVES THE EXCLUSIVE COPYRIGHT AND PROPERTY RIGHTS TO THIS DRAWING WHICH MAY NOT BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER, NOR CAN IT BE ASSIGNED TO ANY PARTY WITHOUT DONALD W. MCINTOSH ASSOCIATES, INC.'S WRITTEN CONSENT.

HORIZONTAL GEOMETRY NOTES:

- CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE ROAD CENTERLINE GEOMETRY, PLAT AND COORDINATE POINTS PROVIDED IN THESE PLANS. CONTRACTOR SHALL CONFORM WITH THE ENGINEER THAT THE PLANS AND PLAT ARE CURRENT PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT.
- BUILDING GEOMETRY AND LOCATIONS BASED ON THE FOLLOWING:
ARCHITECT: R S & H
DRAWINGS: _____; DATE: _____
- CONTRACTOR SHALL VERIFY THE ACCURACY OF THE BUILDING GEOMETRY SHOWN WITH THAT IN THE FINAL ARCHITECTURAL DRAWINGS, PRIOR TO STAKE-OUT, AND SHALL NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DIFFERENCES.
- THIS SET OF CONSTRUCTION DRAWINGS AND ALL COORDINATE PAIRS LISTED HEREON ARE IN STATE PLANE COORDINATE SYSTEM, NAD83/2011 ADJUSTMENT FLORIDA EAST.

VERTICAL DATUM AND BENCHMARKS:

- BOUNDARY/HORIZONTAL CONTROL BASED ON THE FOLLOWING:
SURVEYOR: DONALD W. MCINTOSH ASSOCIATES, INC.
DRAWING NO.(S): CS#17-140 & CS#17-140(A)
DATE :06/22/2021 & 11/20/2017 REVISION DATE:N/A
EASTING :47777.84
NORTHING :140.258 (NAVD88)
- EXISTING TOPOGRAPHY AND CONTOURS BASED ON THE FOLLOWING:
SURVEYOR: DONALD W. MCINTOSH ASSOCIATES, INC.
DRAWING NO.: CS#17-140(C)
DATE :04/09/2021 REVISION DATE: N/A
- SURVEYOR'S REFERENCE BENCHMARK:
DESCRIPTION: 3" ALUMINUM DISK ORANGE COUNTY SURVEY BENCHMARK S1579012
LOCATION: C/L OF CONCRETE DRIVEWAY AT ADDRESS 1336 PLYMOUTH SORRENTO ROAD;
ELEVATION: 140.258 (NAVD88)
48' = -/ - W. OF C/L PLYMOUTH SORRENTO ROAD
- SITE BENCHMARK: #1020
DESCRIPTION: NAIL & DISK STAMPED "LB68"
LOCATION: NORTHING - 1586946.74
EASTING - 47777.84
(FLORIDA STATE PLANE EAST ZONE (USFT)(NAD83/2011)
ELEVATION: 111.989 (NAVD88)
- SITE BENCHMARK: #1019
DESCRIPTION: NAIL & DISK STAMPED "LB68"
LOCATION: NORTHING - 1586969.56
EASTING - 47777.84
(FLORIDA STATE PLANE EAST ZONE (USFT)(NAD83/2011)
ELEVATION: 123.077 (NAVD88)
- BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF THE SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.

GENERAL SITE NOTES:

- GEOTECHNICAL SERVICES HAVE BEEN PROVIDED AS REFERENCED BELOW. GEOTECHNICAL RECOMMENDATIONS ARE NOT THE RESPONSIBILITY OF DONALD W. MCINTOSH ASSOCIATES, INC. DONALD W. MCINTOSH ASSOCIATES, INC. HAS RELIED ON THE REFERENCED GEOTECHNICAL REPORT(S) IN PREPARATION OF THE DRAWINGS. ANY CONFLICT BETWEEN INFORMATION WITHIN THE REPORT(S) AND THESE DRAWINGS SHALL BE REPORTED TO ENGINEER/OWNER. DONALD W. MCINTOSH ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF GEOTECHNICAL INFORMATION.
- GEOTECHNICAL ENGINEER: TERRACON CONSULTANTS, INC.
REPORT NO(S): H12053227.1 DATE: 12/21/20, REV 4/22/21
- 100-YEAR FLOOD ELEVATIONS SHOWN HEREIN ARE DERIVED FROM (FEMA/FLOOD INSURANCE RATE MAP OF ORANGE COUNTY FLORIDA, COMMUNITY PANEL # 12095C0125F, DATED 9/25/09).
- ALL FDOT STANDARD PLANS AND DESIGN INDICES ARE HEREBY INCORPORATED AS PLAN REFERENCES HEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF ALL APPLICABLE IND drawings AND CONSTRUCTING ALL WORKS IN CONFORMANCE WITH THE FDOT DESIGN STANDARDS, LATEST EDITION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED, THE CONTRACTOR SHALL HAVE THE PLAN PREPARED BY AN FDOT CERTIFIED DESIGNER AND SUBMIT THE PLAN FOR APPROVAL.
- CONTRACTOR SHALL COMPLY WITH OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, STANDARDS 29 C.F.R., 1926, SUBPART P, EXCAVATION, AND ALL SUBSEQUENT REVISIONS OR AMENDMENTS ADOPTED BY THE DEPARTMENT OF LABOR AND EMPLOYMENT SECURITY AND WITH SECTION 553.62, FLORIDA STATUTES.
- NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS SHOWN ON PLANS AND APPROVED BY THE OWNER AND BY THE ENGINEER DURING THE SHOP DRAWING APPROVAL PROCESS.
- PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE DONALD W. MCINTOSH ASSOCIATES, INC. WITH THE CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS SO THAT PERIODIC SITE VISITS MAY BE COORDINATED TO ENSURE TIMELY CERTIFICATION OF COMPLETION TO AGENCIES AND AVOID DELAYS IN ISSUANCE OF CERTIFICATES OF OCCUPANCY/COMPLETION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROJECT SITE DURING CONSTRUCTION, TO PREVENT TRESPASSING OF UNAUTHORIZED PEDESTRIANS AND/OR VEHICLES IN ALL WORK AREAS. THE CONTRACTOR SHALL POST SIGNS, CONSTRUCT BARRIERS OR IMPLEMENT OTHER METHODS NECESSARY TO CONTROL ACCESS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR TRESPASSING ON THE CONSTRUCTION SITE OR DAMAGES TO ANY WORK RELATED THERETO.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA-LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT CONTRACTOR'S EXPENSE.
- ANY DIFFERING SITE CONDITIONS FROM THOSE WHICH ARE REPRESENTED HEREIN, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER BY WRITING PRIOR TO INITIATING ANY CONSTRUCTION IN THE AREA IMPACTED BY THE CONFLICT. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS OR REVIEW BY THE ENGINEER AND OWNER.
- CONTRACTOR SHALL INSTRUCT THE GEOTECHNICAL TESTING LABORATORY PROVIDING CONSTRUCTION TESTING TO PROVIDE DONALD W. MCINTOSH ASSOCIATES, INC. WITH COPIES OF ALL SITE-WORK TEST REPORTS AS THEY ARE GENERATED. CONTRACTOR SHALL MAINTAIN THE RESPONSIBILITY OF CONSTRUCTING THE PROJECT IN STRICT ACCORDANCE WITH THE PROJECT PLANS, SPECIFICATIONS, REQUIREMENTS, RECEIPT OF COPIES OF GEOTECHNICAL REPORTS BY DONALD W. MCINTOSH ASSOCIATES, INC. IN NO WAY OBLIGATES DONALD W. MCINTOSH ASSOCIATES, INC. TO ANY REVIEW, COMMENTS OR ACTIONS REGARDING THE WORK.
- DURING CONSTRUCTION, THE GEOTECHNICAL ENGINEER PROVIDING PROJECT TESTING SHALL MONITOR CONSTRUCTION CONDITIONS AND PROVIDE RECOMMENDATIONS FOR ROADWAY UNDERDRAINS AS MAY BE NEEDED IN ADDITION TO ANY SHOWN IN THE PLANS. ENGINEER SHALL BE NOTIFIED OF ANY SUCH RECOMMENDATIONS.
- CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD. CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH ALL TREE PROTECTION/PRESERVATION PROVISIONS OF THE CONTRACT DOCUMENTS AND LOCAL GOVERNMENT.
- ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE CITY, COUNTY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.
- ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN THE OWNER'S SHALL BE REPORTED TO PROJECT ENGINEER AND OWNER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY PROJECT ENGINEER AND OWNER.

PERMITS:

- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THEREIN. PERMITS INCLUDED (BUT NOT NECESSARILY LIMITED TO) ARE:
 - WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT (ERP)
 - FDEP WASTE WATER DISTRIBUTION
 - FDEP WASTEWATER COLLECTION AND TRANSMISSION
 - LOCAL RIGHT OF WAY USE
 - LOCAL UNDERGROUND UTILITIES
 - FDEP NPDES STORMWATER DISCHARGE
 - FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

- IF THE CONTRACTOR PROPOSES TO DISCHARGE DETERIORATING EFFLUENT OFF-SITE, HE SHALL COMPLY WITH THE FDEP'S GENERIC PERMIT FOR DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY. PERMIT REQUIREMENTS CAN BE OBTAINED FROM FDEP AT (407) 893-3985 OR THROUGH THE FDEP BUSINESS PORTAL AT WWW.FDEP.PORTAL.COM. THIS PERMIT IS INDEPENDENT OF AND IN ADDITION TO WATER MANAGEMENT DISTRICTS' PERMITS FOR CONSTRUCTION DETERIORATING.

- CONTRACTOR SHALL REVIEW ALL PERMITS PRIOR TO CONSTRUCTION FOR ANY CHANGES TO THE DESIGN INCLUDED THEREIN. NOTIFY PROJECT ENGINEER AND OWNER OF ANY REQUIRED CHANGES PRIOR TO CONSTRUCTION.

UTILITIES NOTES:

- THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED BY THE CONTRACTOR'S RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- FLORIDA STATUTE 556 MANDATES THAT NOT LESS THAN TWO FULL BUSINESS DAYS BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION THAT IS NOT BENEATH WATERS OF THE STATE, AND NOT LESS THAN 10 FULL BUSINESS DAYS BEFORE BEGINNING EXCAVATION OR DEMOLITION THAT IS BENEATH WATERS OF THE STATE, AN EXCAVATOR SHALL NOTIFY SUNSHINE STATE ONE CALL OF FLORIDA. ENDP
- INC. (811) OF PLANNED EXCAVATION OR DEMOLITION ACTIVITIES.

- IMMEDIATELY AT ONSET OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS. ALL SUCH CONFLICTS SHALL BE REPORTED TO THE PROJECT ENGINEER AND OWNER IMMEDIATELY UPON DISCOVERY.

- CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF THE PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS AND CABLE TV COMPANIES.

EROSION CONTROL NOTES:

- CONTRACTOR SHALL PROTECT THE SITE AND ALL ADJACENT PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
- CONTRACTOR SHALL PROVIDE A SOIL TRACKING PREVENTION DEVICE CONFORMING TO THE FLORIDA EROSION AND SEDIMENT CONTROL MANUAL AT ALL PROJECT CONNECTIONS TO PUBLIC OR PRIVATE ROADWAYS THAT ARE TO BE USED BY CONSTRUCTION TRAFFIC.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD STAKE AND ROPE OFF CONSERVATION AREA LINES. OWNER RESERVES THE RIGHT TO CHECK THE STAKING AND ROPING AND REQUIRE IT TO BE RELOCATED IF NECESSARY. IT SHALL REMAIN IN PLACE UNTIL ADJACENT CONSTRUCTION IS COMPLETE.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTANT DISCHARGE OR SEDIMENTATION. ANY SITUATION THAT CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEM AND ADJACENT WATER BODIES AND WETLANDS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH SITUATIONS. METHODS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, SILT BARRIERS, OR SILT SCREENS. ANY MEASURES SHOWN OR DETAILED IN THESE DRAWINGS SHALL BE CONSIDERED MINIMUM AND SHALL NOT RELIEVE CONTRACTOR OF THE RESPONSIBILITY TO IMPLEMENT ANY MEASURES NECESSARY TO PROVIDE PROTECTION.
- CONTRACTOR SHALL STABILIZE AND PROTECT ALL STRUCTURES, END WALL, MITERED END SECTION, FLARED END SECTION, ETC. STRUCTURES THROUGHOUT THE PROJECT UNTIL THE BANK SLOPES OF THE RECEIVING WATER BODY ARE STABILIZED AND ACCEPTED BY OWNER.
- CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE CITY ENGINEER WITH COPY TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO SCHEDULING THE PRE-CONSTRUCTION MEETING.
- THE SILT FENCE LOCATION DEPICTED IN THE PLANS IS FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND INSTALLATION OF SILT FENCE AND RELATED EROSION AND SILTATION CONTROL MEASURES IN COMPLIANCE WITH FDEP/NPDES REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION OF EROSION/SILTATION CONTROL MEASURES TO PROTECT ADJACENT PROPERTIES AND ENVIRONMENTAL AREAS, AND ACCOMMODATE FINAL GRADING AS SHOWN IN THE PLANS. SEE SECTIONS SHEET C101 FOR TYPICAL SILT FENCE LOCATIONS.

NPDES NOTES:

- THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY HAS AUTHORIZED THE STATE OF FLORIDA TO ADMINISTER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). CONTRACTOR IS ADVISED THAT OPERATORS ARE REQUIRED TO FILE WITH FDEP A NOTICE OF INTENT TO USE THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SUBMIT THE NOTICE (NOI) TO THE FDOT WORKSHOP WITH A COPY TO THE OWNER, THE PROJECT ENGINEER AND THE CITY AT LEAST 48 HOURS BEFORE INITIATING CONSTRUCTION.
- AS REQUIRED BY THE GENERIC PERMIT, CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PURSUANT TO ALL REQUIREMENTS OF THE GENERIC PERMIT.
- PURSUANT TO THE NPDES, CONTRACTOR SHALL MAINTAIN RECORDS OF DATES WHEN MAJOR BUILDING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE AND SHALL INITIATE STABILIZATION MEASURES WITHIN 7 DAYS AFTER EACH TEMPORARY OR PERMANENT CESSATION OF CONSTRUCTION ACTIVITY. STABILIZATION REQUIREMENTS (SODDING WHERE SHOWN ON THE PLANS, SEEDING AND MULCHING ELSEWHERE) APPLY TO ALL AREAS DISTURBED BY CONSTRUCTION, ON-SITE AND OFF-SITE.
- CONTRACTOR SHALL PROVIDE INSPECTIONS BY QUALIFIED PERSONNEL OF ALL POINTS OF OFF-SITE DISCHARGE, DISTURBED AREAS, FINALLY STABILIZED, STORAGE AREAS AS EXPOSED TO RAINFALL, STRUCTURAL CONTROLS AND VEHICULAR ACCESS LOCATIONS. INSPECTIONS SHALL BE MADE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER.
- CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE SITE OR THE LOCATION DESIGNATED IN THE NOI FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.
- CONTRACTOR SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT MAY HAVE A SIGNIFICANT EFFECT ON THE POTENTIAL FOR OFF-SITE DISCHARGE OF POLLUTANTS, INCLUDING THE ADDITION OF OR CHANGE IN LOCATION OF DISCHARGE POINTS AND REVISION TO CONTROLS WHICH MAY HAVE PROVED TO BE INEFFECTIVE.
- CONTRACTOR SHALL REMAIN RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION PROTECTION MEASURES UNTIL CONSTRUCTION HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT PLANS, CERTIFIED AS SUCH BY THE ENGINEER AND ACCEPTED BY THE CITY, WHETHER OR NOT CONTRACTOR HAS SUBMITTED A NOTICE OF TERMINATION (NOT) TO FDEP.

AS-BUILT/RECORD DRAWINGS NOTES:

- CONTRACTOR SHALL FURNISH OWNER WITH ACCURATE RECORD DRAWINGS SHOWING AS-CONSTRUCTED HORIZONTAL AND VERTICAL DIMENSIONING OF THE WORK, THE SUBMITTED COPY OF THE RECORD DRAWINGS WILL NOT BE RETURNED. THE RECORD DRAWING SHALL BE CERTIFIED BY THE CONTRACTOR WITH ALL INFORMATION WHICH IS UNCHANGED AND CURRENT SHALL BE NOTED BY CHECKING OFF OR CIRCLING. ALL REVISED INFORMATION SHALL BE CROSSED THROUGH AND NEW DATA ADDED. ADDITIONAL REQUIREMENTS ARE NOTED IN PAVING, GRADING AND DRAINAGE AND WATER AND SEWER NOTES.
- AS-BUILT DRAWINGS AND/OR RECORD DRAWINGS, AS REQUIRED BY THESE NOTES, SHALL SHOW LOCATIONS OF IMPROVEMENTS BY DIMENSIONING AND/OR ACCURATE PLOTTING. THEY SHALL NOT PROVIDE LOCATIONS SOLELY BY COORDINATE POINTS. ALL FACILITIES WHICH ARE OUT OF DESIGN POSITION BY FIVE (5) FEET OR MORE SHALL BE REDRAWN IN AS-CONSTRUCTED LOCATIONS.
- CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORMWATER MANAGEMENT AREAS IMMEDIATELY AFTER FINAL GRADING AND PRIOR TO GRASSING THE SLOPES. PRIOR TO A MINIMUM, CONTRACTOR SHALL PROVIDE TWO TYPICAL AS-BUILT CROSS-SECTIONS ACROSS EACH "SIDE" OF EACH POND. CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL PRIOR TO GRASSING. IF ANY MODIFICATIONS ARE NEEDED, ADDITIONAL AS-BUILTS SHALL BE FURNISHED.
- CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH HORIZONTAL AND VERTICAL AS-BUILT INFORMATION ON LOCATION OF WATER MAINS, FITTINGS, AND WATER SERVICES LOCATED FROM CENTERLINE OF NEAREST FIRE HYDRANT OR NEAREST MANHOLE.
- CONTRACTOR SHALL CERTIFY VIA THE RECORD DRAWINGS THAT CONSTRUCTION CONFORMS WITH THE FOLLOWING CRITERIA:
 - STORMWATER MANAGEMENT AREAS, MAINTENANCE BERMS, BERM BACK SLOPES AND OUTFALL CONVEYANCE ARE CONSTRUCTED WITHIN DESIGNATED TRACT OR EASEMENT.
 - ELEVATIONS ARE WITHIN THE FOLLOWING SPECIFIED TOLERANCES OF DESIGN
 - TOP OF BERM, TOE OF SLOPE, POND BOTTOM: +/- 0.50 ft.
 - OUTFALL STRUCTURE AND PIPING: +/- 0.20 ft.
 - PIPE INVERTS, GUTTER AND ROAD CENTERLINE AT SAG INLETS: +/- 0.20 ft.
 - COMPENSATING STORAGE AREAS: +/- 0.50 ft.

PAVING, GRADING & DRAINAGE NOTES:

- SITE GRADING, PAVING AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND TO CITY OF APOPKA STANDARD SPECIFICATIONS, LATEST EDITION, INsofar AS THEY APPLY TO THE DESIGN SHOWN HEREIN. WHERE SUCH SPECIFICATIONS DIFFER, THE MORE STRINGENT SHALL NORMALLY APPLY, SUBJECT TO THE DETERMINATION OF THE PROJECT ENGINEER.
- DRAINAGE MANHOLES AND INLETS (NOT INCLUDING CONTROL STRUCTURES) IN THE PLANS ARE IDENTIFIED BY TOP TYPE ONLY. CONTRACTOR SHALL PROVIDE STANDARD DITCH BOTTOM INLET, J OR P STRUCTURE BOTTOMS, SIZED AS REQUIRED TO ACCOMMODATE PIPE SIZES AND ORIENTATIONS SHOWN. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL WHICH CLEARLY REPRESENT SUCH DATA.
- THE CONTRACTOR IS RESPONSIBLE FOR SETTING ALL INLET GRATES IN PAVEMENT AREAS PLUMB AND TRUE TO LINE AND GRADE. GRATES SHALL BE FREE OF NOISE AND RATTLE WHEN SUBJECT TO VEHICULAR TRAFFIC.

- THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL INLETS IN PAVEMENT AREAS ARE PROPERLY LOCATED TO THE PAVEMENT FLOW LINES/CENTERLINES (AS APPLICABLE) AND SET TO THE CORRECT GRADE PER THE APPROVED PLANS. AREAS OF PONDING AROUND INLETS ARE NOT ACCEPTABLE.
- PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN CENTERLINES OF DRAINAGE STRUCTURES AND FROM INVERTS OF ENDWALLS AND/OR MITERED END SECTIONS. BIDDERS SHALL ADJUST FOR PIPE LENGTHS WHEN BIDDING MITERED END SECTIONS.
- SEE DETAIL ON SHEET C533 FOR REQUIREMENTS AT CROSSINGS OF STORM DRAINS AND UTILITY PIPE.
- NEW PIPES SHALL BE CONNECTED TO EXISTING PIPES AT AN EXISTING FACTORY MADE JOINT. REMOVE PARTIAL PIPES IF AND AS NEEDED.
- FINISHED FLOOR ELEVATIONS ARE MINIMUM ELEVATIONS REQUIRED TO SATISFY DRAINAGE AND/OR 100-YEAR FLOODPLAIN REQUIREMENTS AND ARE TYPICALLY 8 INCHES ABOVE DESIGN FINISHED GRADE AT OUTSIDE PERIMETER OF BUILDINGS EXCEPT AT ENTRIES AND WHERE OTHERWISE SHOWN.
- ELEVATIONS OF GRASSED AREAS ARE GIVEN AT FINISHED GRADE (TOP OF SOD OR SEEDD SURFACE).
- RETAINING WALL (WHEN REQUIRED) ARE DESIGNED BY PROJECT STRUCTURAL ENGINEER. SEE ENGINEERS CERTIFICATION NOTES #3.

- CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING OF ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.
- CONTRACTOR SHALL REMOVE ALL MUCK DEPOSITS IN CONSTRUCTION AREAS AND AREAS TO BE FILLED. SEE GEOTECHNICAL REPORT.
- CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.

- CONTRACTOR SHALL NOT COMPACT, STABILIZE, OR CONSTRUCT BASE COURSE WITHIN LANDSCAPE ISLANDS, TRACTS OR MEDIANS. WHERE SUCH TREATMENT DOES OCCUR, IT SHALL BE REMOVED AND REPLACED WITH SUITABLE PLANTING SOILS ACCEPTABLE TO OWNER'S LANDSCAPE ARCHITECT.
- OVER-EXCAVATION OF RETENTION BASINS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY AUTHORIZED BY PROJECT ENGINEER AND OWNER. SHOULD UNAUTHORIZED OVER-EXCAVATION OCCUR, IT SHALL BE BACKFILLED, REGRADED, RESODDED AND/OR RESEEDD TO OWNER'S SPECIFICATIONS AT CONTRACTOR'S EXPENSE.
- ROAD GRADING AND CONSTRUCTION SHALL INCLUDE BRINGING ANY UTILITY EASEMENTS, AS SHOWN OR NOTED ON THE PLAT OR CONSTRUCTION DRAWINGS, ADJACENT TO THE RIGHT-OF-WAY LINE TO WITHIN 6 INCHES OF FINAL DESIGN GRADE.
- CONTRACTOR SHALL PROVIDE FOR POSITIVE DRAINAGE OF ROADWAY FROM SUBGRADE THROUGH FINAL LIFT OF ASPHALT. STRUCTURE BASES SHALL BE FABRICATED IN ACCORDANCE WITH FDOT STANDARD INDEX 425-001, TEMPORARY DRAINS FOR SUBGRADE PROTECTION BASE, AS SHOWN. THE COST OF ALL APPURTENANCES WILL BE CONSIDERED INCIDENTAL TO THE PRICE OF THE STRUCTURE.
- PAVEMENT GRADES OVER HANDICAPPED PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION.
- ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.
- ALL DISTURBED FDOT, CITY AND COUNTY RIGHTS OF WAY SHALL BE RESTORED. SOD SHALL BE PLACED FROM EDGE OF PAVEMENT TO THE LIMITS OF CONSTRUCTION AND ALL AREAS SHALL MATCH OR EXCEED PRE-CONSTRUCTION CONDITIONS.

- ENGINEER RESERVES THE RIGHT TO WITHHOLD RECOMMENDATION FOR PAYMENT FOR ROADWORK WHICH HAS NOT BEEN TESTED BY A FLORIDA-REGISTERED GEOTECHNICAL ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER FOR PRE-POUR OBSERVATION PRIOR TO ANY SIDEWALK AND/OR CURB RAMP POURS.
- STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS III, UNLESS OTHERWISE SPECIFIED. LIFTING HOLES ARE PROHIBITED.
- WHERE AGENCIES ALLOW, HIGH DENSITY POLYPROPYLENE (HP) PIPE MAY BE SUBSTITUTED IN LIEU OF REINFORCED CONCRETE PIPE. HP STORM PIPE, 12 INCH THROUGH 60 INCH, SHALL HAVE A SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS AND SHALL MEET ASTM F280, OR AASHTO M243, REQUIREMENTS. PIPES SHALL BE JOINED BY SPOT JOINT. JOINTS SHALL BE WATER-TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE PLASTIC WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING ASSEMBLY. EXTERIOR WRAPS SHALL BE INSTALLED BY THE MANUFACTURER. ALL HP PIPES SHALL BE INSTALLED, LASER PROFILED AND VIDEOED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
- UNDERDRAIN SHALL BE HEAVY-DUTY CORRUGATED POLYETHYLENE PIPE WITH FACTORY-INSTALLED FILTER FABRIC AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS), OR APPROVED EQUAL.
- UNDERDRAIN DISCHARGE PIPE SHALL BE PVC PER ASTM D3034 SDR 35 WITH ELASTOMERIC JOINTS, NON-PERFORATED.
- ALL TYPE "P" STRUCTURE BOTTOMS SHALL BE ROUND UNLESS OTHERWISE SPECIFIED AND SHALL HAVE 4 FOOT DIAMETER.
- ALL CONCRETE CURBS, SIDEWALKS, INLET TOPS, ETC. SHALL BE 3000 PSI MINIMUM, UNLESS OTHERWISE SPECIFIED.
- YARD DRAINS SHALL BE NYLOPLAST INLINE DRAINS AND DRAIN BASINS AS APPLICABLE WITH CAST IRON GRATES AND WATER-TIGHT ADAPTER CONNECTIONS (OR APPROVED EQUAL).
- YARD DRAIN PIPING: PVC CONFORMING TO ASTM D3034, SDR35 SHALL BE USED FOR ALL PIPE RUNS IN WHICH ANY PART LIES UNDER PAVEMENT. SAID PVC UNDER PAVEMENT CORRUGATED POLYETHYLENE MAY BE USED FOR ALL OTHER RUNS. MATERIAL SELECTION SHALL BE CONSISTENT THROUGHOUT THE PROJECT.
- EXFILTRATION AGGREGATE SHALL BE A NATURALLY OCCURRING NON-LIMESTONE BASED MATERIAL. CRUSHED OR RECYCLED CONCRETE IS NOT PERMITTED FOR USE IN THE EXFILTRATION TRENCH.

MATERIAL SPECIFICATIONS (PAVING AND DRAINAGE):

- STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS III, UNLESS OTHERWISE SPECIFIED. LIFTING HOLES ARE PROHIBITED.
- WHERE AGENCIES ALLOW, HIGH DENSITY POLYPROPYLENE (HP) PIPE MAY BE SUBSTITUTED IN LIEU OF REINFORCED CONCRETE PIPE. HP STORM PIPE, 12 INCH THROUGH 60 INCH, SHALL HAVE A SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS AND SHALL MEET ASTM F280, OR AASHTO M243, REQUIREMENTS. PIPES SHALL BE JOINED BY SPOT JOINT. JOINTS SHALL BE WATER-TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE PLASTIC WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING ASSEMBLY. EXTERIOR WRAPS SHALL BE INSTALLED BY THE MANUFACTURER. ALL HP PIPES SHALL BE INSTALLED, LASER PROFILED AND VIDEOED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
- UNDERDRAIN SHALL BE HEAVY-DUTY CORRUGATED POLYETHYLENE PIPE WITH FACTORY-INSTALLED FILTER FABRIC AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS), OR APPROVED EQUAL.
- UNDERDRAIN DISCHARGE PIPE SHALL BE PVC PER ASTM D3034 SDR 35 WITH ELASTOMERIC JOINTS, NON-PERFORATED.
- ALL TYPE "P" STRUCTURE BOTTOMS SHALL BE ROUND UNLESS OTHERWISE SPECIFIED AND SHALL HAVE 4 FOOT DIAMETER.
- ALL CONCRETE CURBS, SIDEWALKS, INLET TOPS, ETC. SHALL BE 3000 PSI MINIMUM, UNLESS OTHERWISE SPECIFIED.
- YARD DRAINS SHALL BE NYLOPLAST INLINE DRAINS AND DRAIN BASINS AS APPLICABLE WITH CAST IRON GRATES AND WATER-TIGHT ADAPTER CONNECTIONS (OR APPROVED EQUAL).
- YARD DRAIN PIPING: PVC CONFORMING TO ASTM D3034, SDR35 SHALL BE USED FOR ALL PIPE RUNS IN WHICH ANY PART LIES UNDER PAVEMENT. SAID PVC UNDER PAVEMENT CORRUGATED POLYETHYLENE MAY BE USED FOR ALL OTHER RUNS. MATERIAL SELECTION SHALL BE CONSISTENT THROUGHOUT THE PROJECT.
- EXFILTRATION AGGREGATE SHALL BE A NATURALLY OCCURRING NON-LIMESTONE BASED MATERIAL. CRUSHED OR RECYCLED CONCRETE IS NOT PERMITTED FOR USE IN THE EXFILTRATION TRENCH.

SIGNING AND MARKING NOTES:

- ALL SIGNAGE, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION.
- ALL HANDICAPPED PARKING SPACES SHALL BE DESIGNATED BY APPROPRIATE PAVEMENT MARKINGS AND SIGNAGE, IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA), FLORIDA ACCESSIBILITY CODE (FAC) AND LOCAL JURISDICTIONAL REQUIREMENTS.
- BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED OPPOSITE FIRE HYDRANTS IN THE CENTER OF THE NEAREST TRAVEL LANE TO MARK THEIR LOCATIONS.
- REGULATORY SIGNS (STOP, ETC.) SHALL BE IN PLACE PRIOR TO FINAL INSPECTION OF PAVING IMPROVEMENTS.

POTABLE WATER, WASTEWATER AND RECLAIMED WATER NOTES:

- CONTRACTOR SHALL COORDINATE WITH CITY OF APOPKA FOR CONSTRUCTION OF THE POTABLE WATER, RECLAIMED WATER AND SANITARY SEWER SYSTEMS. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THEIR RESPECTIVE SPECIFICATIONS AND REQUIREMENTS AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WORK, SPECIFICALLY, BUT NOT LIMITED TO, CONNECTIONS TO EXISTING MAINS OR STRUCTURES AND SYSTEM TESTING WITH THE APPLICABLE UTILITY COMPANIES.
- CONTRACTOR SHALL PROVIDE WATER MAIN DISINFECTION IN ACCORDANCE WITH AWWA C651, HYDROSTATIC PRESSURE AND LEAKAGE TESTING IN ACCORDANCE WITH AWWA C600, C605, OR M23 FOR DIP AND PVC PIPES RESPECTIVELY, AND BACTERIOLOGICAL TEST REPORTS. ALL IN ACCORDANCE WITH PROJECT SPECIFICATIONS, FDEP PERMIT CONDITIONS, AND AWWA STANDARDS. WATER MAIN TEST PRESSURE IS 150 PSI. SUBMIT TEST RESULTS TO ENGINEER IN TRIPLICATE. SEE NOTE 7 BELOW FOR TESTING NOTIFICATIONS.
- CONTRACTOR SHALL PROVIDE FORCE MAIN AND RECLAIMED WATER MAIN PRESSURE TESTING PER AWWA C600 OR M23 AS APPLICABLE AND SANITARY SEWER LAMPING/TYING ALL IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND UTILITY COMPANY REQUIREMENTS. TEST PRESSURE FOR FORCE MAINS SHALL BE 100 PSI. TEST PRESSURE FOR RECLAIMED WATER MAINS SHALL BE 150 PSI. SUBMIT TEST RESULTS TO ENGINEER IN TRIPLICATE.
- EXISTING WATER MAINS SHALL BE PROTECTED FROM CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF NEW LINES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA C651-92 & UTILITY AGENCY REQUIREMENTS; SEE JUMPER DETAIL ON SHT C533.

- CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE AND THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE ALL UTILITIES SYSTEMS TEST SCHEDULING TO ALLOW PROJECT ENGINEER'S ATTENDANCE BY PROVIDING MINIMUM NOTICE OF FIVE (5) WORKING DAYS TO THE CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION AND AT CONTRACTOR'S EXPENSE.
- ENGINEER RESERVES THE RIGHT TO WITHHOLD RECOMMENDATION OF PAYMENT FOR ANY PORTION OF THE UTILITIES PIPE WORK WHICH HAS NOT BEEN TESTED, OBSERVED BY PROJECT ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
- MINIMUM SEPARATIONS BETWEEN DIFFERENT UTILITIES REQUIRED BY FDEP ARE SHOWN ON SHEET C533. MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN OTHER UTILITIES AT SANITARY SEWER AND RECLAIM WATER SHALL BE IN ACCORDANCE WITH THE UTILITY AGENCY REQUIREMENTS. THE MORE STRINGENT CRITERIA SHALL APPLY. SEE PIPE CROSSING DETAIL ON SHEET C533.

- WATER, SEWER AND RECLAIMED WATER MAINS SHALL HAVE A MINIMUM COVER OF 3 FEET TO TOP OF PIPE UNLESS OTHERWISE SPECIFIED OR SHOWN IN THE DRAWINGS, AND APPROVED BY THE GOVERNING UTILITY COMPANY/AGENCY.
- SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE-INS.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY OF PIPE SLOPES AND INVERTS DURING SHOP DRAWING AND MATERIALS ORDERING PHASE OF PROJECT AND ADVISE ENGINEER OF ANY DISCREPANCIES.
- CONCRETE CURBS SHALL BE CHISELED OR IMPRINTED TO SHOW LOCATIONS OF WATER AND SEWER SERVICE LINES/LATERALS. MARKING SHALL CONFORM TO LOCAL STANDARDS. WHERE NO STANDARDS EXIST, USE "R" FOR RECLAIMED WATER, "W" FOR WATER, AND "S" FOR SANITARY.
- NO WATER VALVE BOXES, METERS, PORTIONS OF MANHOLES, OR OTHER APPURTENANCES OF ANY KIND RELATING TO ANY UNDERGROUND UTILITIES SHALL BE LOCATED IN ANY PORTION OF ANY TYPE OF CURB. ADVISE ENGINEER IMMEDIATELY UPON DISCOVERY OF A POTENTIAL CONFLICT.
- SOME SANITARY SEWER LINES MAY BE/ARE DESIGNED AT MINIMUM ACCEPTABLE SLOPE. CONTRACTOR SHALL VERIFY ACCURACY OF PIPE SLOPE SHOWN IN THE PLANS. SUB-STANDARD SLOPES CONSTRUCTED WILL NOT BE ACCEPTED. MINIMUM SLOPE OF 6-INCH PVC SERVICE LINES IS 1%.
- SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED.
- PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN CENTERLINES OF MANHOLE STRUCTURES.

- POTABLE WATER MAIN TAPS SHALL BE DONE BY:
POTABLE WATER METER VALVES SHALL BE INSTALLED BY:
POTABLE WATER METERS SHALL BE INSTALLED BY:
METER BOXES SHALL BE INSTALLED BY:
BACKFLOW PREVENTERS SHALL BE INSTALLED BY:

- FIRE HYDRANT BARREL WHICH IS GRAPHICALLY SHOWN ON OR NEAR LOT LINES AND NOT OTHERWISE LOCATED BY STATIONING, POINT COORDINATES OR DIMENSIONING SHALL BE CENTERED ON THE LOT LINE.
- NEW PIPES SHALL BE CONNECTED TO EXISTING PIPES AT AN EXISTING FACTORY MADE JOINT. REMOVE PARTIAL PIPES IF AND AS NEEDED.
- ALL RECLAIMED WATER HOSE BIBBS, HAND-OPERATED CONNECTIONS AND OUTLETS SHALL BE CONTAINED IN UNDERGROUND SERVICE VAULTS AND SHALL BE APPROPRIATELY TAGGED OR LABELLED TO WARN THE PUBLIC AND EMPLOYEES THAT THE WATER IS NOT INTENDED FOR DRINKING. PIPING, PRELINES, VALVES AND OUTLETS SHALL BE COLOR CODED: PANTONE 522C PURPLE AND MARKED PER LOCAL AND STATE CODES TO DIFFERENTIATE RECLAIMED WATER FROM POTABLE OR OTHER WATER.
- VAULTS FOR RECLAIMED WATER HOSE BIBBS AND OUTLETS SHALL BE LOCKED OR REQUIRE A SPECIAL TOOL FOR OPERATION OF HOSE BIBBS AND OUTLETS.
- LOW TRAJECTORY NOZZLES ARE REQUIRED WITHIN 100 FEET OF ANY OUTDOOR PUBLIC EATING, DRINKING OR BATHING FACILITIES.

- A RESIDENTIAL DUAL CHECK VALVE OR OTHER BACKFLOW PREVENTION DEVICE AS SPECIFIED BY THE SEWER/RECLAIMED WATER UTILITY COMPANY IS REQUIRED ON ALL POTABLE WATER LINES AT EACH RESIDENTIAL SITE WHICH IS SERVED WITH RECLAIMED WATER.
- SIGNS SHALL BE POSTED IN THE VICINITY OF PUBLIC RECLAIMED WATER IRRIGATION SYSTEMS, ADVISING THE PUBLIC THAT RECLAIMED WATER IS USED.
- BOX COVERS FOR RECLAIMED WATER SYSTEM ELEMENTS (VALVES, METER, BPP'S, ETC.) SHALL, TO THE EXTENT REASONABLE, NOT BE INTERCHANGEABLE WITH BOX COVERS FOR WATER SYSTEM ELEMENTS.
- RECLAIMED WATER SYSTEMS AND POTABLE WATER SYSTEMS SHALL NOT BE CROSS-CONNECTED. AN AIR GAP OF TWO PIPE DIAMETERS IS REQUIRED BETWEEN SUCH WATERS.
- THE WETTED EDGE OF AREAS IRRIGATED WITH RECLAIMED WATER SHALL NOT BE CLOSER THAN 75 FEET TO ANY PUBLIC OR PRIVATE POTABLE WATER WELL.
- NO RECLAIMED WATER TRANSMISSION FACILITY/MAIN SHALL BE WITHIN 75 FEET OF ANY PUBLIC WATER SUPPLY WELL.
- PHASING - AT END OF EACH PHASE POTABLE WATER MAINS SHALL HAVE A GATE VALVE AND BLOW OFF ASSEMBLY. TEMPORARY END OF SANITARY SEWER MAINS SHALL BE AT A MANHOLE. THERE WILL BE A 10' STABILIZED ACCESS ROAD EXTENDING 10' BEYOND THE MANHOLE, AND A 20' TEMPORARY UTILITY EASEMENT ALONG THE SEWER LINE EXTENDING BEYOND THE LAST MANHOLE AS SHOWN HEREIN.

POTABLE WATER, WASTEWATER AND RECLAIMED WATER SPECIFICATIONS:

- ALL MATERIALS FURNISHED BY THE CONTRACTOR UNDER THIS SECTION SHALL BE NEW, FREE FROM DEFECTS, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING DISTRIBUTION SHALL BE APPROVED BY THE NSF FOR POTABLE WATER AND BEAR THE NSF SEAL. ALL PLASTIC PIPE SHALL BE SUPPLIED FROM THE SAME MANUFACTURER.
- WHEREVER LOCAL STANDARD SPECIFICATIONS DIFFER FROM THESE, CONTRACTOR SHALL NOTIFY ENGINEER FOR CLARIFICATION. TYPICALLY THE MORE STRINGENT SHALL GOVERN.
- ALL UNDERGROUND LINES SHALL BE MARKED/TAPED/PAINTED/WIRED IN ACCORDANCE WITH THE REQUIREMENTS OF UTILITY COMPANIES.
- PLUGGED END OF ALL NON-METALLIC PIPES SHALL BE MARKED BY BURYING A 2 FT LENGTH OF #4 (MIN.) RE-BAR AT THE PIPE END.
- ALL NEW AND RELOCATED PROJECT COMPONENTS THAT WILL COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS (EXCEPT COMPONENTS THAT WILL COME INTO CONTACT WITH RAW WATER PRIOR TO ITS TREATMENT BY REVERSE OSMOSIS) SHALL BE IN CONFORMANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/NSF INTERNATIONAL (NSF) STANDARD 61. ALSO, ALL DRINKING WATER TREATMENT CHEMICALS SUPPLIED UNDER THIS PROJECT SHALL BE IN CONFORMANCE WITH ANSI/NSF STANDARD 60.

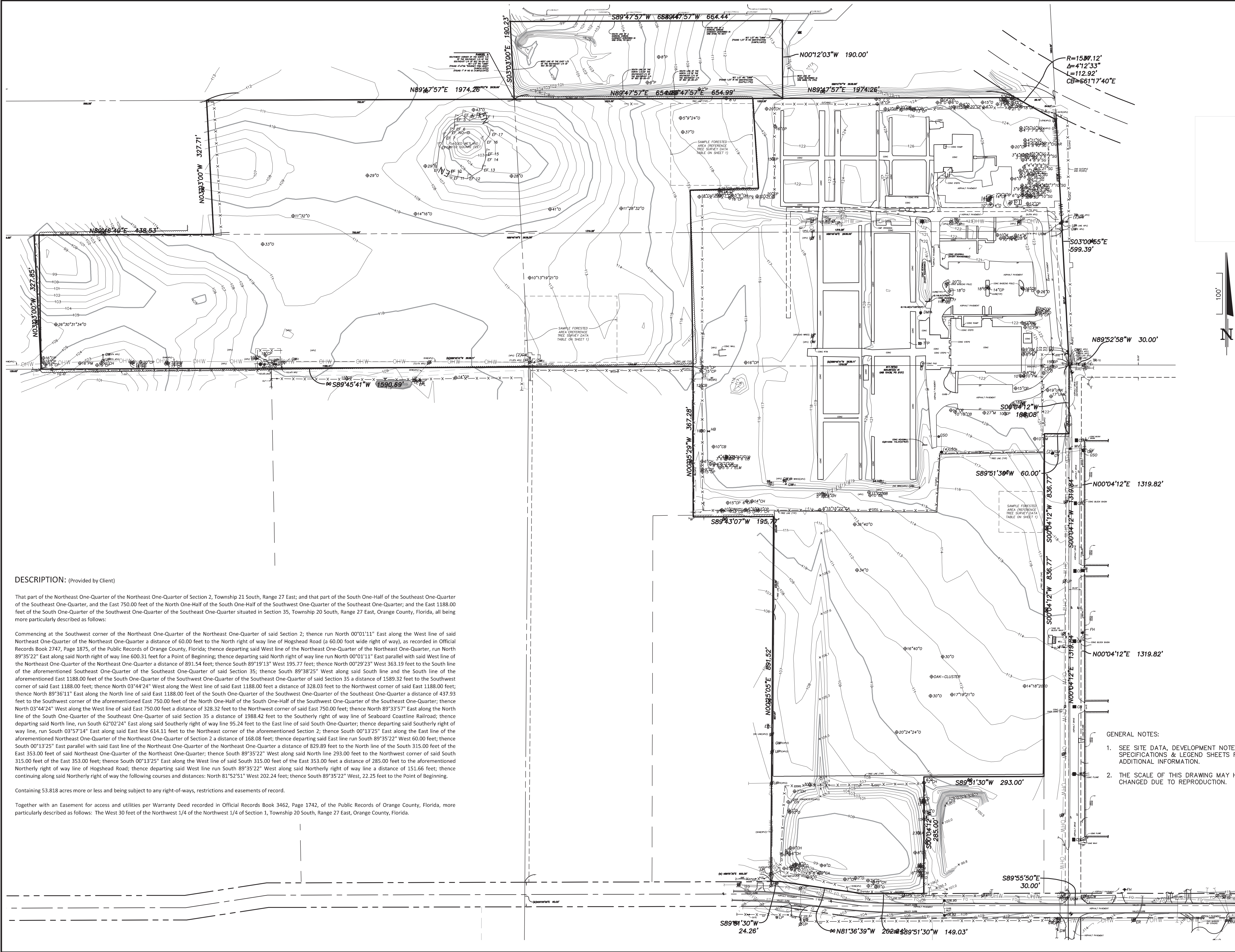
- POTABLE, RECLAIMED AND WASTEWATER MAINS ARE TO BE PVC UNLESS OTHERWISE INDICATED.

POTABLE WATER DISTRIBUTION:

- PVC PIPE 4" TO 12": AWWA C900 CLASS 150 DR18 AND ASTM D1784, WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM D3139 WITH GASKETS PER ASTM F477.
- PVC PIPE 1 1/2" TO 3" AND FITTINGS LESS THAN 4": ASTM D2241 AND ASTM D1784 CLASS 200, SDR 21, WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM D3139 WITH GASKETS PER ASTM F477.
- D.I.P. PIPE (WHEN CALLED FOR): ANSI/AWWA C151/A21.51, CLASS 50 UNLESS OTHERWISE DESIGNATED, ANSI/AWWA C150/A21.50, WITH MECHANICAL OR PUSH ON JOINTS PER ANSI/AWWA C111/A21.11, WITH INTERIOR LINING OF CEMENT MORTAR AND ASPHALTIC MATERIAL SEAL COAT IN ACCORDANCE WITH ANSI/AWWA C104/A21.4 AND EXTERIOR COATING PER ANSI/AWWA C151/A21.51 OF 1.0 MIL MINIMUM THICKNESS.
- FITTINGS 4" AND OVER: DUCTILE IRON CONFORMING TO ANSI/AWWA C110/A21.10, AND C153/A21.53, 250 PSI, WITH CEMENT MORTAR LINING CONFORMING TO ANSI/AWWA C104/A21.4, STANDARD THICKNESS, WITH COMPRESSION TYPE JOINTS/MECHANICAL JOINTS AS RESPECTIVELY SPECIFIED IN ASTM D3139 AND ANSI/AWWA C111/A21.11.
- VALVES 3" TO 12": RESILIENT SEAT GATE VALVES 250 PSI CONFORMING TO ANSI/AWWA C509 OR C515, OPENING COUNTERCLOCKWISE, WITH O-RING STEM SEAL AND OPENING EQUAL TO OR GREATER THAN THE NOMINAL DIAMETER OF THE VALVE.
- VALVES 2" AND SMALLER: BRONZE, WEDGE DISC, NON-RISING STEM TYPE, 150 PSI MINIMUM WORKING PRESSURE, EQUIPPED WITH WROUGHT STEEL OR CAST IRON OPERATING HANDWHEELS AND WITH ENDS SUITABLE FOR JOINING TO THE PIPE USED.

- VALVE BOXES: ADJUSTABLE, CAST IRON, MINIMUM INTERIOR DIAMETER OF 5 INCHES WITH COVERS LEGIBLY CAST WITH THE INSCRIPTION "RECLAIMED WATER" ON THE TOP AND WITH A HEAVY COATING OF BITUMINOUS PAINT. BOXES SHALL BE SUITABLE FOR THE APPLIC

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DESCRIPTION: (Provided by Client)

That part of the Northeast One-Quarter of the Northeast One-Quarter of Section 2, Township 21 South, Range 27 East; and that part of the South One-Half of the Southeast One-Quarter of the Southeast One-Quarter, and the East 750.00 feet of the North One-Half of the South One-Half of the Southwest One-Quarter of the Southeast One-Quarter; and the East 1188.00 feet of the South One-Quarter of the Southwest One-Quarter of the Southeast One-Quarter situated in Section 35, Township 20 South, Range 27 East, Orange County, Florida, all being more particularly described as follows:

Commencing at the Southwest corner of the Northeast One-Quarter of the Northeast One-Quarter of said Section 2; thence run North 00°01'11" East along the West line of said Northeast One-Quarter of the Northeast One-Quarter a distance of 60.00 feet to the North right of way line of Hoghead Road (a 60.00 foot wide right of way), as recorded in Official Records Book 2747, Page 1875, of the Public Records of Orange County, Florida; thence departing said West line of the Northeast One-Quarter of the Northeast One-Quarter, run North 89°35'22" East along said North right of way line 600.31 feet for a Point of Beginning; thence departing said North right of way line run North 00°01'11" East parallel with said West line of the Northeast One-Quarter of the Northeast One-Quarter a distance of 891.54 feet; thence South 89°19'13" West 195.77 feet; thence North 00°29'23" West 363.19 feet to the South line of the aforementioned Southeast One-Quarter of the Southeast One-Quarter of said Section 35; thence South 89°38'25" West along said South line and the South line of the aforementioned East 1188.00 feet of the South One-Quarter of the Southwest One-Quarter of the Southeast One-Quarter of said Section 35 a distance of 1589.32 feet to the Southwest corner of said East 1188.00 feet; thence North 03°44'24" West along the West line of said East 1188.00 feet a distance of 328.03 feet to the Northwest corner of said East 1188.00 feet; thence North 89°36'11" East along the North line of said East 1188.00 feet of the South One-Quarter of the Southwest One-Quarter of the Southeast One-Quarter a distance of 437.93 feet to the Southwest corner of the aforementioned East 750.00 feet of the North One-Half of the South One-Half of the Southwest One-Quarter of the Southeast One-Quarter; thence North 03°44'24" West along the West line of said East 750.00 feet a distance of 328.32 feet to the Northwest corner of said East 750.00 feet; thence North 89°33'57" East along the North line of the South One-Quarter of the Southeast One-Quarter of said Section 35 a distance of 1988.42 feet to the Southerly right of way line of Seaboard Coastline Railroad; thence departing said North line, run South 62°02'24" East along said Southerly right of way line 95.24 feet to the East line of said South One-Quarter; thence departing said Southerly right of way line, run South 03°57'14" East along said East line 614.11 feet to the Northeast corner of the aforementioned Section 2; thence South 00°13'25" East along the East line of the aforementioned Northeast One-Quarter of the Northeast One-Quarter of Section 2 a distance of 168.08 feet; thence departing said East line run South 89°35'22" West 60.00 feet; thence South 00°13'25" East parallel with said East line of the Northeast One-Quarter of the Northeast One-Quarter a distance of 829.89 feet to the North line of the South 315.00 feet of the East 353.00 feet of said Northeast One-Quarter of the Northeast One-Quarter; thence South 89°35'22" West along said North line 293.00 feet to the Northwest corner of said South 315.00 feet of the East 353.00 feet; thence South 00°13'25" East along the West line of said South 315.00 feet of the East 353.00 feet a distance of 285.00 feet to the aforementioned Northerly right of way line of Hoghead Road; thence departing said West line run South 89°35'22" West along said Northerly right of way line a distance of 151.66 feet; thence continuing along said Northerly right of way the following courses and distances: North 81°52'51" West 202.24 feet; thence South 89°35'22" West, 22.25 feet to the Point of Beginning.

Containing 53.818 acres more or less and being subject to any right-of-ways, restrictions and easements of record.

Together with an Easement for access and utilities per Warranty Deed recorded in Official Records Book 3462, Page 1742, of the Public Records of Orange County, Florida, more particularly described as follows: The West 30 feet of the Northwest 1/4 of the Northwest 1/4 of Section 1, Township 20 South, Range 27 East, Orange County, Florida.

GENERAL NOTES:

- SEE SITE DATA, DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEETS FOR ADDITIONAL INFORMATION.
- THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

Seals

DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADDED EX. WETLAND AREA	7/2/21
NEW BLDG, REVISED PHASE 1	9/23/24

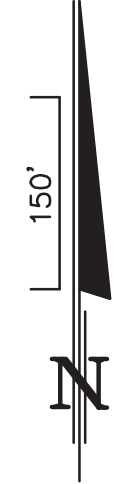
Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

EXISTING
CONDITIONS PLAN

Sheet Number

C011
4 OF 36

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McINTOSH ASSOCIATES
an *LJA* company

1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.644.4068

Seals

DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES	
Description	Date
ADDED EX. WETLAND AREA	7/2/21
ADD TURN LANE & STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

AERIAL

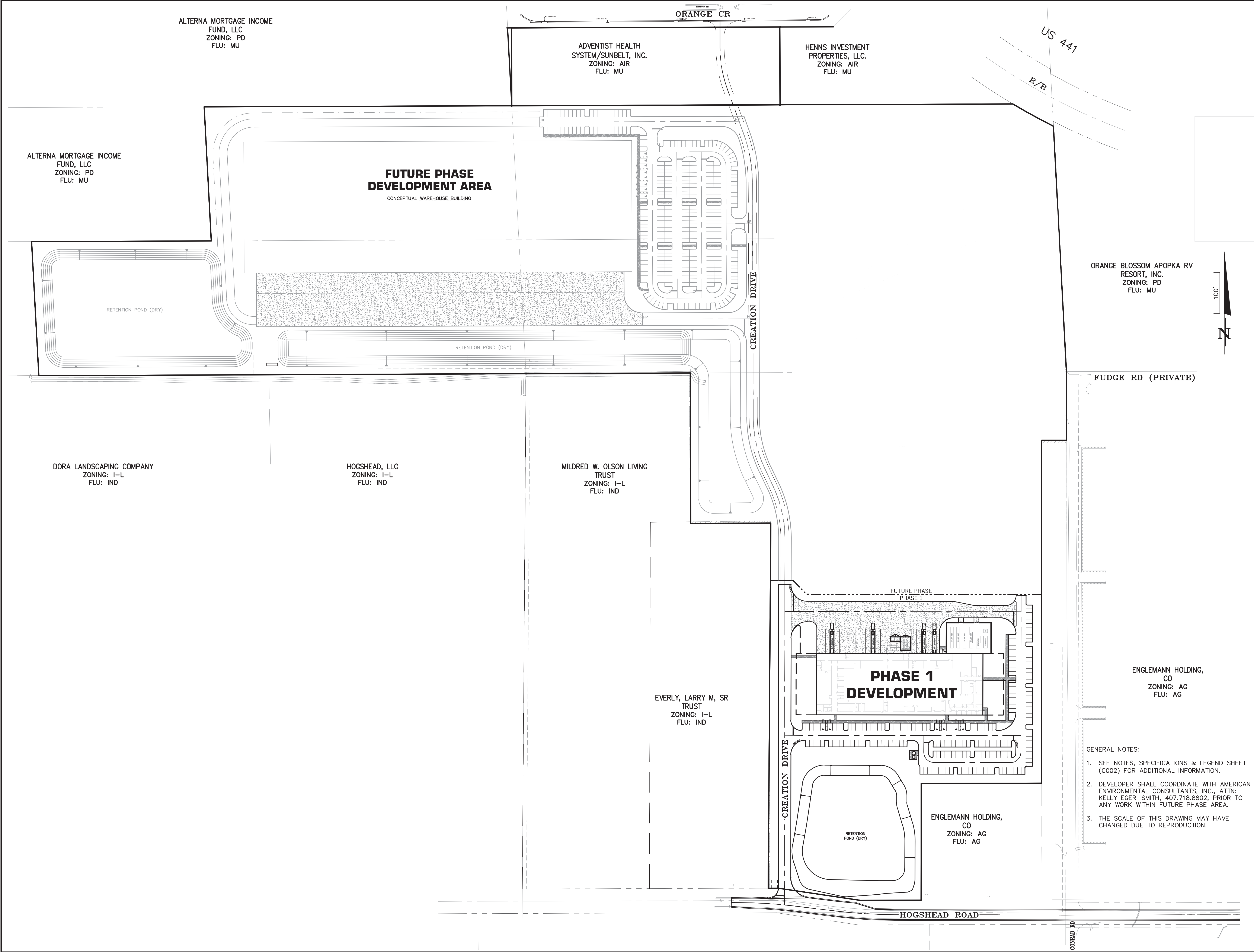
Sheet Number

C015

5 OF 36

- GENERAL NOTES:
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Seals

DATE: _____

CONSTRUCTION SITE PLANS
AdventHealth
Fudge Road Complex – Phase 1
CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES	
Description	Date
ADD TURN LANE & STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

MASTER SITE PLAN

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DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/ MAB / MAB Checked By JTT

Drawing Title

EROSION AND
SEDIMENTATION
CONTROL PLAN

Sheet Number

C101
7 OF 36

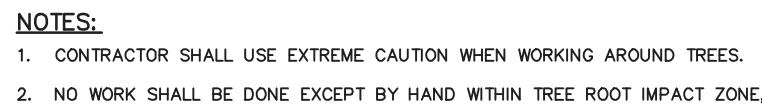




TREE PROTECTION NOTES

-

TREE SAVE GRADING DETAIL



TREE PROTECTION DETAIL

TURBIDITY MONITORING REQUIRED:

DURATION: MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES AND MAY BE DISCONTINUED UPON PERMANENT STABILIZATION OF ALL DISTURBED SOILS.

MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:

1. TIME OF DAY SAMPLES WERE TAKEN
2. DEPTH OF WATER BODY
3. DEPTH OF SAMPLES
4. ANTECEDENT WEATHER CONDITIONS, AND;
5. WIND DIRECTION AND VELOCITY
6. SAMPLE LOCATION MAP

TURBIDITY MONITORING: CONTRACTOR IS RESPONSIBLE FOR TURBIDITY MONITORING & REPORTING.

SEQUENCE OF CONSTRUCTION

1.0 INSTALL SILT FENCES AROUND PROJECT PERIMETER TO PREVENT TURBIDITY SCREENING

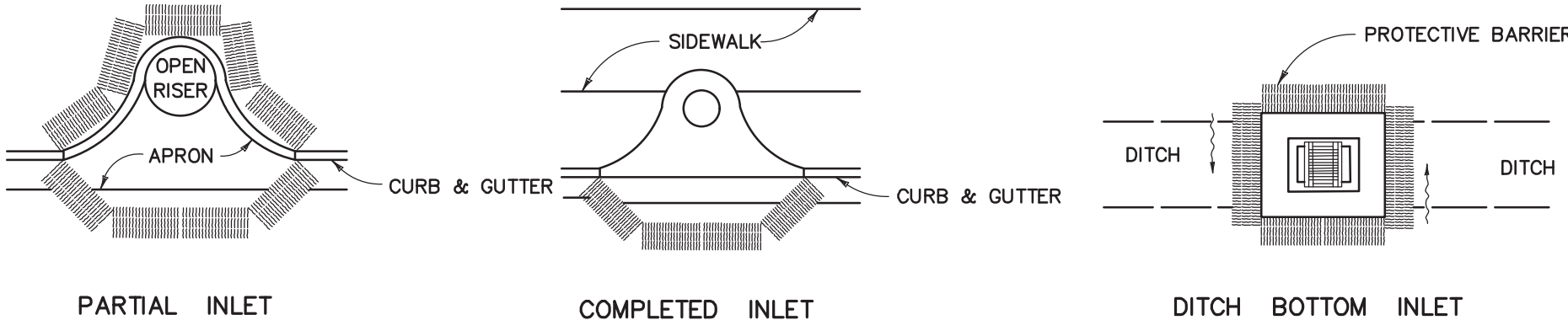
- EPA STORMWATER MENU OF BEST MANAGEMENT PRACTICES (BMPs)

- 
- A schematic diagram of a silt flow. It shows a cross-section of a channel with a curved, concave-upward flow path. The flow is represented by a shaded area with diagonal lines. The text "Silt Flow" is written to the right of the flow path.

GENERAL NOTES

- NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART ~, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3.

SILT FENCE



SILT FENCE APPLICATIONS

EROSION AND SEDIMENT CONTROL NOTES

- GENERAL NOTES:

- 

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DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF AOPKA, FLORIDA

DOCUMENT CHANGES

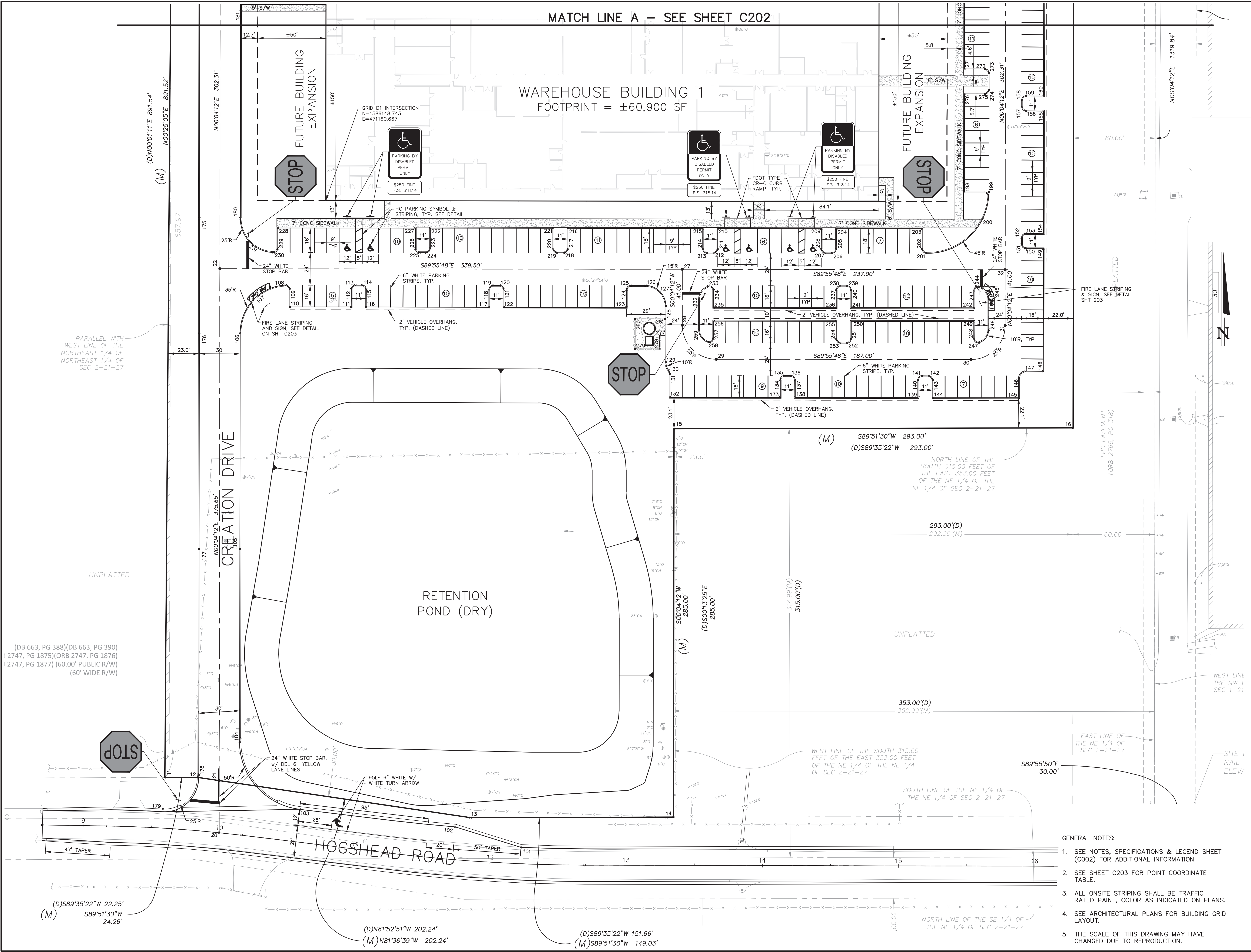
Issue Description			
Issue Date		6/12/21	
Project No		20566	
Drawn/ Designed	MAB / MAB	Checked By	JTT
Drawing Title			

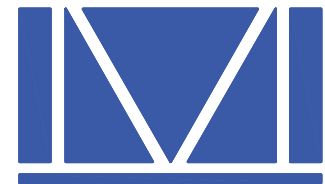
EROSION CONTROL AND TREE PRESERVATION DETAILS

Sheet Number

C102
8 OF 36

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DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES	
Description	Date
ADD TURN LANE & STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	Date
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

HORIZONTAL GEOMETRY PLAN

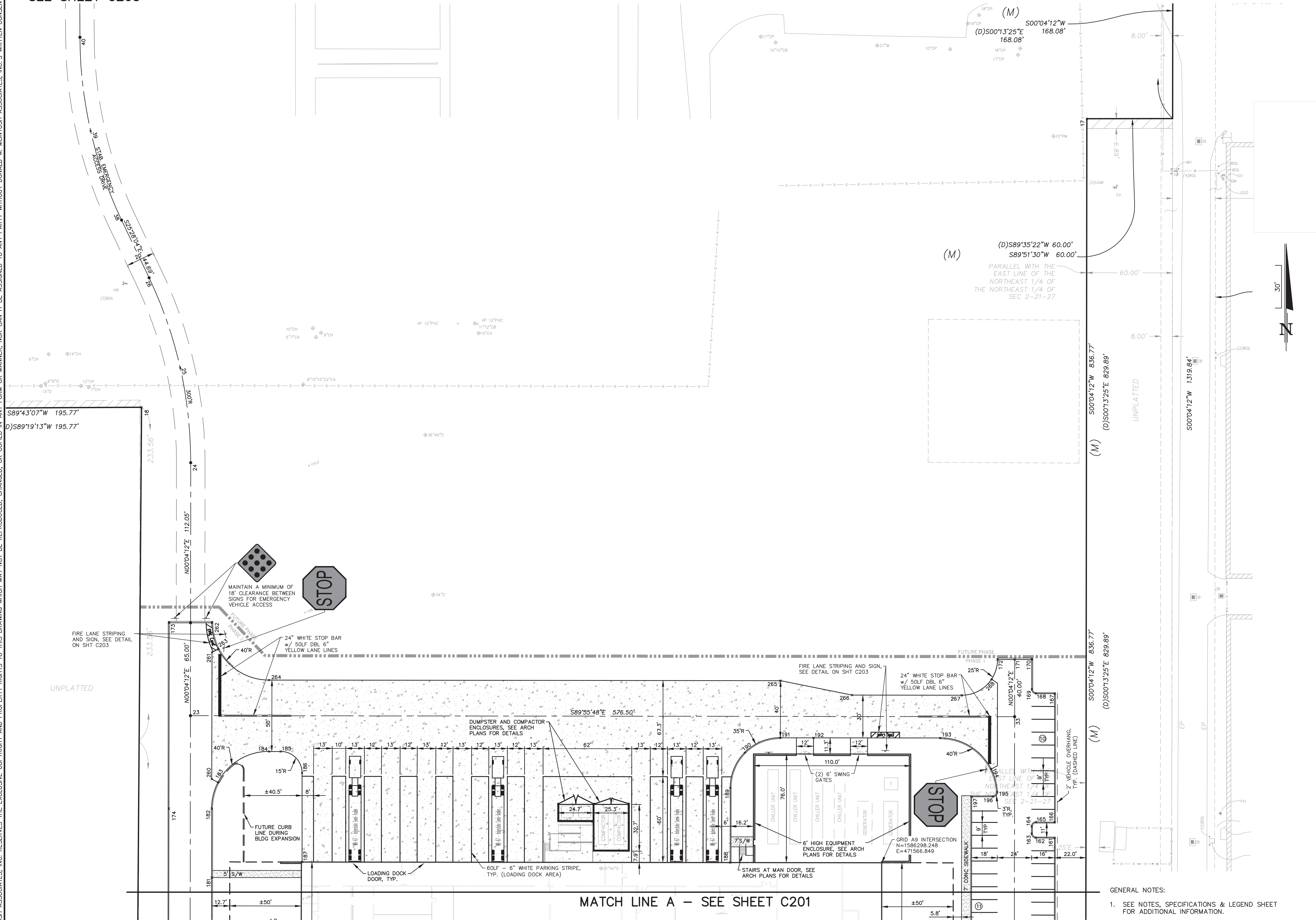
Sheet Number

C201

9 OF 36

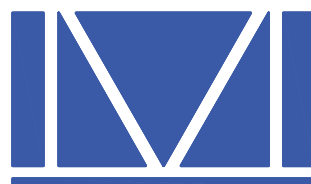
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SEE SHEET C203



GENERAL NOTES:

1. SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
2. SEE SHEET C203 FOR POINT COORDINATE TABLE.
3. ALL ONSITE STRIPING SHALL BE TRAFFIC RATED PAINT, COLOR AS INDICATED ON PLANS
4. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADD STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn MAB / MAB Checked By JTT

Drawing Title

HORIZONTAL
GEOMETRY PLAN

Sheet Number

C202
10 OF 36



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
REVISE COORDINATES, ADD STREET NAME	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/ MAB / MAB Checked By JTT

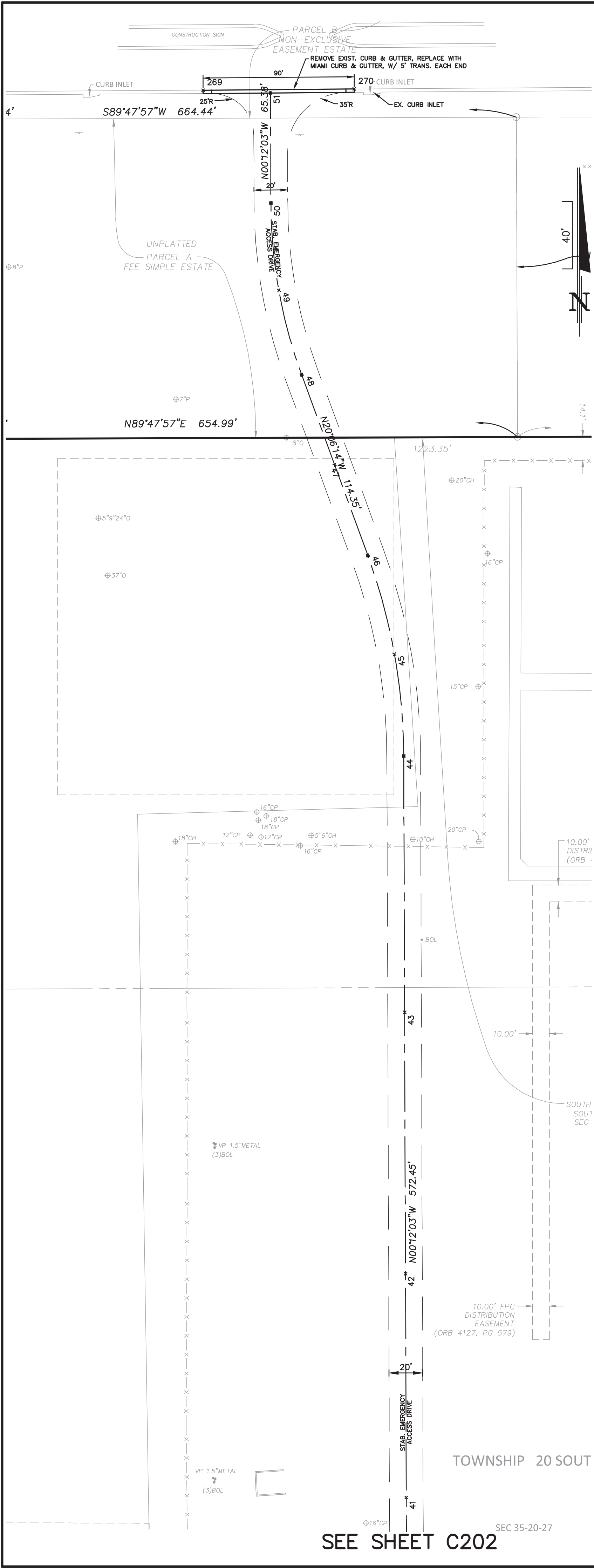
Drawing Title

POINT TABLES
AND SIGNAGE
DETAILS

Sheet Number

C203
11 OF 36

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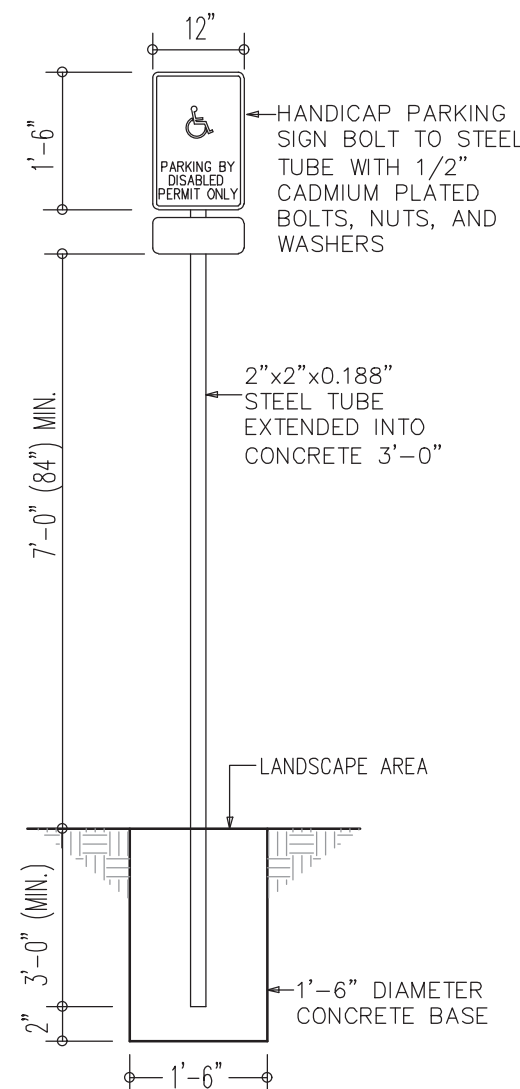
POINT TABLE		
POINT #	NORTHING	EASTING
11	1585725.429	471042.584
12	1585725.489	471066.846
13	1585695.984	471266.918
14	1585696.352	471415.943
15	1585981.349	471416.291
16	1585982.073	471709.286
17	1586818.842	471710.308
18	1586616.928	471049.091
20	1585684.872	471082.423
21	1585723.185	471082.470
22	1586098.838	471082.928
23	1586401.151	471083.297
24	1586578.201	471083.514
25	1586644.515	471076.176
26	1586707.568	471054.362
27	1586098.424	471422.428
28	1586057.424	471422.378
29	1586032.393	471447.347
30	1586032.165	471634.347
31	1586057.134	471659.378
32	1586098.134	471659.428
33	1586400.447	471659.797
38	1586747.914	471035.146
39	1586810.275	471013.489
40	1586875.864	471005.996
41	1587007.731	471005.534
42	1587140.683	471005.068
43	1587295.977	471004.523
44	1587448.313	471003.989
45	1587508.780	470998.511
46	1587567.390	470982.666
47	1587621.082	470963.013
48	1587674.775	470943.360
49	1587725.012	470929.779
50	1587776.841	470925.083
51	1587842.217	470924.854

POINT TABLE		
POINT #	NORTHING	EASTING
101	1585674.112	471303.946
102	1585689.099	471255.785
103	1585702.041	471141.495
104	1585751.739	471097.504
105	1585893.082	471097.677
106	1586051.820	471097.871
107	1586075.970	471107.578
108	1586086.741	471131.273
109	1586083.740	471134.410
110	1586070.775	471134.394
111	1586070.720	471179.394
112	1586083.720	471179.410
113	1586086.717	471182.414
114	1586040.432	471187.414
115	1586083.707	471190.410
116	1586070.707	471190.394
117	1586070.597	471280.394
118	1586083.597	471280.410
119	1586086.593	471283.414
120	1586086.587	471288.414
121	1586083.584	471291.410
122	1586070.584	471291.394
123	1586070.474	471381.394
124	1586083.474	471381.410
125	1586086.470	471384.413
126	1586086.457	471395.413
127	1586082.050	471406.015
128	1586071.438	471410.395
129	1586030.438	471410.345
130	1586024.436	471412.338
131	1586021.435	471413.334
132	1586004.435	471413.313
133	1586004.336	471494.313
134	1586017.336	471494.329
135	1586020.332	471497.333
136	1586020.326	471502.333
137	1586017.322	471505.329
138	1586004.322	471505.313
139	1586004.212	471595.313
140	1586017.212	471595.329
141	1586020.209	471598.333
142	1586020.203	471603.333
143	1586017.199	471606.329
144	1586004.199	471606.313
145	1586004.122	471669.313
146	1586018.622	471669.331
147	1586023.616	471674.337
148	1586023.600	471687.337
149	1586113.600	471687.447
150	1586113.616	471674.447
151	1586116.620	471671.450
152	1586121.620	471671.457
153	1586124.616	471674.460
154	1586124.600	471687.460
155	1586214.600	471687.570
156	1586214.616	471674.570

POINT TABLE		
POINT #	NORTHING	EASTING
157	1586217.620	471671.574
158	1586222.620	471671.580
159	1586225.616	471674.584
160	1586225.600	471687.584
161	1586315.600	471687.693
162	1586315.616	471674.693
163	1586318.619	471671.697
164	1586323.619	471671.703
165	1586326.616	471674.707
166	1586326.600	471687.707
167	1586416.600	471687.817
168	1586416.616	471674.817
169	1586416.619	471671.820
170	1586440.432	471671.846
171	1586440.447	471659.846
172	1586440.461	471647.846
173	1586466.169	471068.377
174	1586336.169	471068.218
175	1586135.857	471067.974
176	1586051.857	471067.871
177	1585893.119	471067.677
178	1585727.203	471067.775
179	1585702.277	471041.003
180	1586135.820	471097.974
181	1586287.893	471098.159
182	1586336.132	471098.218
183	1586354.452	471102.685
184	1586376.083	471138.267
185	1586376.073	471146.444
186	1586361.055	471161.426
187	1586298.743	471161.350
188	1586298.377	471460.849
189	1586350.689	471460.913
190	1586375.426	471471.195
191	1586385.647	471495.956
192	1586385.618	471519.166
193	1586385.510	471607.779
194	1586363.792	471643.308
195	1586347.623	471647.674
196	1586344.465	471644.675
197	1586344.483	471629.729
198	1586155.171	471629.498
199	1586155.149	471647.498
200	1586135.155	471642.784
201	1586110.218	471601.371
202	1586113.221	471598.446
203	1586128.209	471598.465
204	1586128.286	471535.465
205	1586113.286	471535.446
206	1586110.289	471532.443
207	1586110.295	471527.443
208	1586113.299	471524.446
209	1586128.299	471524.465
210	1586128.392	471448.465
211	1586113.392	471448.446
212	1586110.396	471445.443

POINT TABLE		
POINT #	NORTHING	EASTING
213	1586110.402	471440.443
214	1586113.405	471437.446
215	1586128.405	471437.465
216	1586128.526	471338.465
217	1586113.526	471338.446
218	1586110.530	471335.443
219	1586110.536	471330.443
220	1586113.540	471327.446
221	1586128.540	471327.465
222	1586128.650	471237.465
223	1586113.650	471237.447
224	1586110.653	471234.443
225	1586110.659	471229.443
226	1586113.663	471226.447
227	1586128.663	471226.465
228	1586128.786	471125.465
229	1586113.792	471125.447
230	1586110.797	471122.375
231	1586118.336	471105.075
232	1586076.409	471434.401
233	1586085.983	471441.556
234	1586083.104	471445.409
235	1586070.396	471445.394
236	1586070.286	471535.394
237	1586083.286	471535.410
238	1586086.282	471538.413
239	1586086.276	471543.413
240	1586083.272	471546.410
241	1586070.272	471546.394
242	1586070.162	471636.394
243	1586082.871	471636.409
244	1586085.741	471640.270
245	1586076.228	471647.401
246	1586054.149	471647.374
247	1586044.575	471640.220
248	1586047.454	471636.366
249	1586060.162	471636.382
250	1586060.272	471546.382
251	1586047.272	471546.366
252	1586044.276	471543.382
253	1586044.282	471538.362
254	1586047.286	471535.366
255	1586060.286	471535.382
256	1586060.396	471445.382
257	1586047.687	471445.366
258	1586044.817	471441.505
259	1586054.409	471434.374
260	1586356.748	471098.243
261	1586445.517	471098.352
262	1586466.132	471098.377
263	1586447.802	471102.799
264	1586426.083	471138.328
265	1586425.647	471496.005
266	1586415.586	471545.993
267	1586415.492	471622.815
268	1586426.647	471643.662

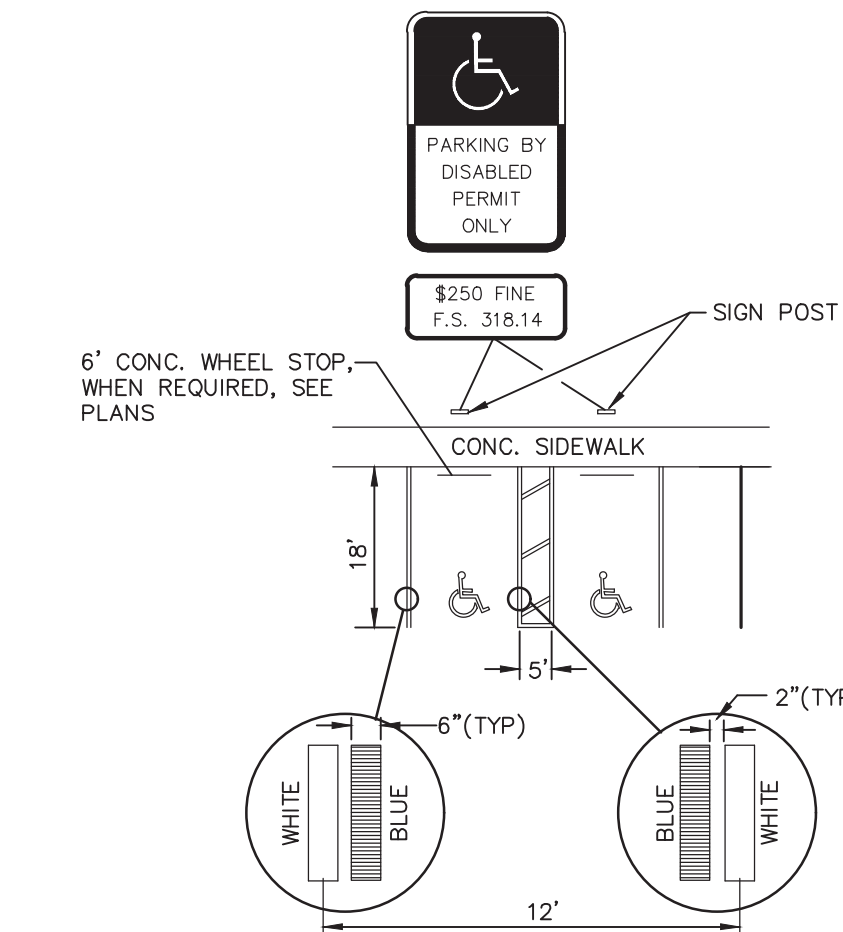
POINT TABLE		
POINT #	NORTHING	EASTING
269	1587843.897	470884.774
270	1587844.612	470974.656
271	1586245.483	471629.608
272	1586245.465	471644.608
273	1586242.461	471647.604
274	1586230.149	471647.589
275	1586227.152	471644.585
276	1586227.171	471629.585
277	1586049.972	471405.702
278	1586039.972	471405.690
279	1586039.994	471387.690
280	1586061.994	471387.717
281	1586061.967	471409.717



NOTE: (HANDICAP SIGN ONLY)

- ALL LETTERS SHALL BE BLACK AND SHALL CONFORM TO FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS".
- TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
- BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK BORDER.
- ONE SIGN REQUIRED FOR EACH PARKING SPACE.
- HEIGHT OF SIGN SHALL BE 7' ABOVE GROUND IN ACCORDANCE WITH FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS".

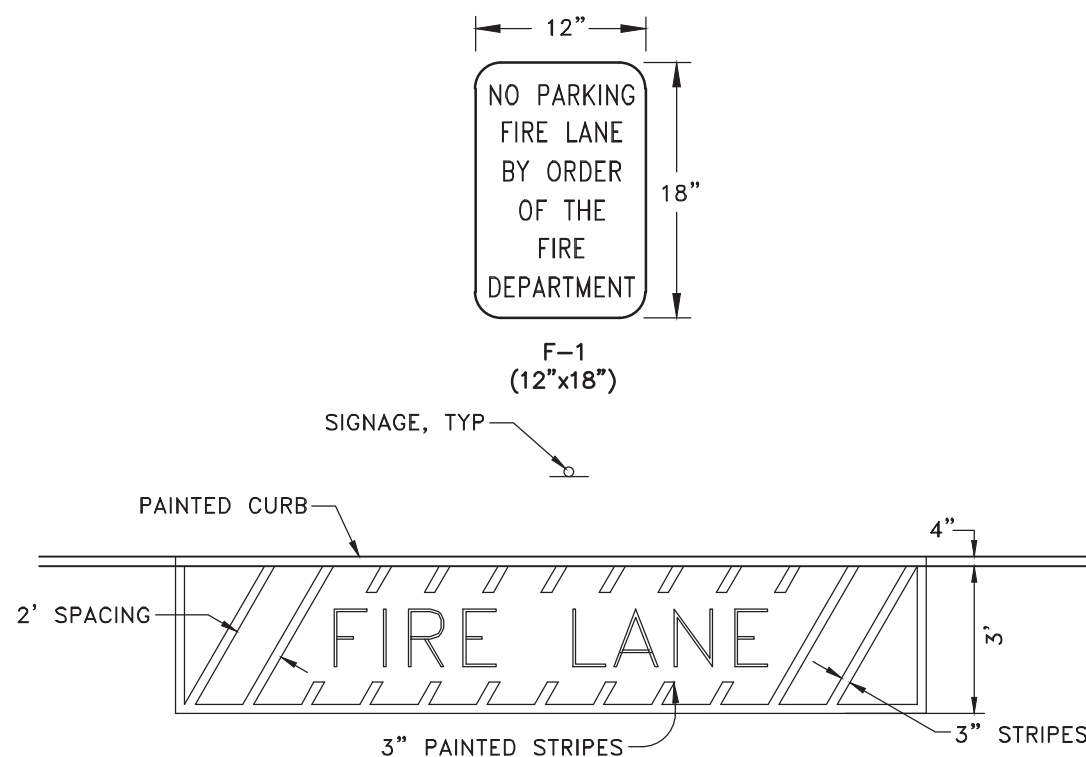
DISABLED PARKING SIGNAGE
NTS



NOTES:

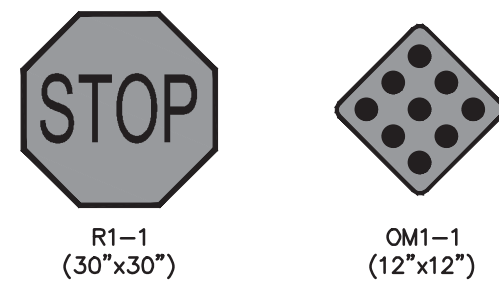
- EACH PARKING SPACE SHALL BE CONSPICUOUSLY OUTLINED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, AND THE CAPTION "PARKING BY DISABLED PERMIT ONLY." SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
- ALL HC PARKING SPACES MUST BE SIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE DEPARTMENT OF TRANSPORTATION AND FLORIDA ACCESSIBILITY CODE.
- HANDICAP SIGN TO BE POSTED 7' (84") ABOVE PAVEMENT.

HC PARKING
NTS

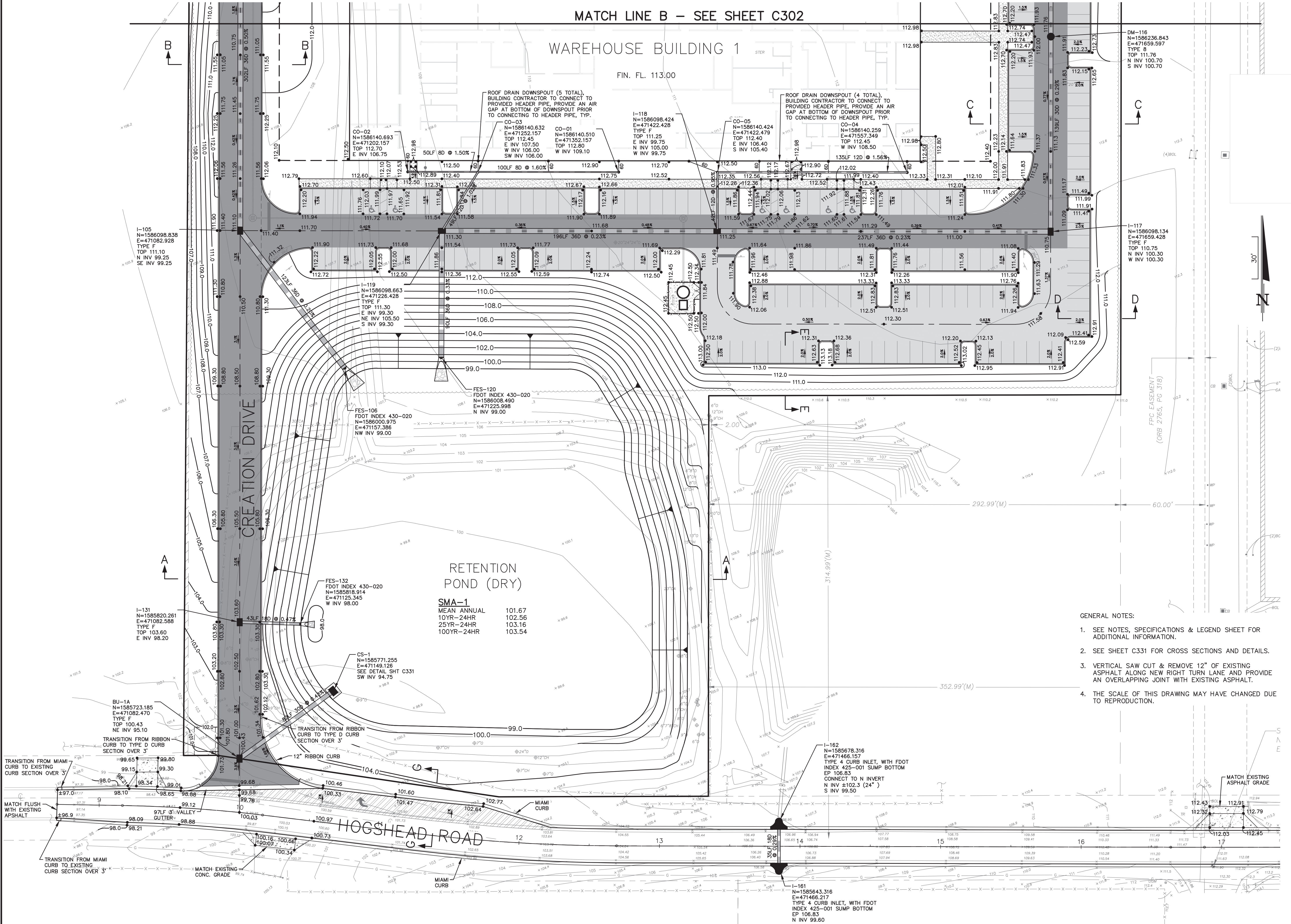


- SIGNS SHALL BE TWELVE (12) INCHES WIDE BY EIGHTEEN (18) INCHES IN HEIGHT, WHITE REFLECTIVE TYPE, BACKGROUND WITH TWO-INCH HIGH RED LETTERS NOT LESS THAN ONE-HALF INCH WIDE TO READ "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT".
- SIGNS SHALL BE FREESTANDING, DOUBLE FACED, SPACED NOT GREATER THAN 60 FEET APART.
- SIGNS SHALL BE MOUNTED ON METAL POSTS, NOT LESS THAN TWO (2) INCHES IN SIZE WITH BOTTOM OF SIGN NOT LESS THAN SEVEN (7) FEET FROM GRADE TO BOTTOM OF SIGN.
- WHERE A CURB IS PROVIDED, THE CURB TOP AND FACE TO BE TRAFFIC YELLOW (F.D.O.T. TRAFFIC RATED PAVEMENT PAINT). STRIPES THREE (3) INCHES WIDE EXTENDING OUTWARD TO A WIDTH OF THREE (3) FEET FROM CURB WITH TWO (2) FEET BETWEEN EACH STRIPE. STRIPING TO BE TRAFFIC YELLOW F.D.O.T. TRAFFIC RATED PAVEMENT PAINT.
- LETTERS NOT LESS THAN TWENTYFOUR (24) INCHES IN HEIGHT AND NOT LESS THAN FOUR INCHES IN WIDTH WITHIN THE STRIPING. LETTERING TO READ "FIRE LANE NO PARKING". LETTERING TO BE TRAFFIC YELLOW F.D.O.T. TRAFFIC RATED PAVEMENT PAINT.
- SIGNS AND PAINTING ARE TO BE MAINTAINED BY THE RESPONSIBLE PARTY OF THE PROPERTY.

FIRE LANE STRIPING
NTS



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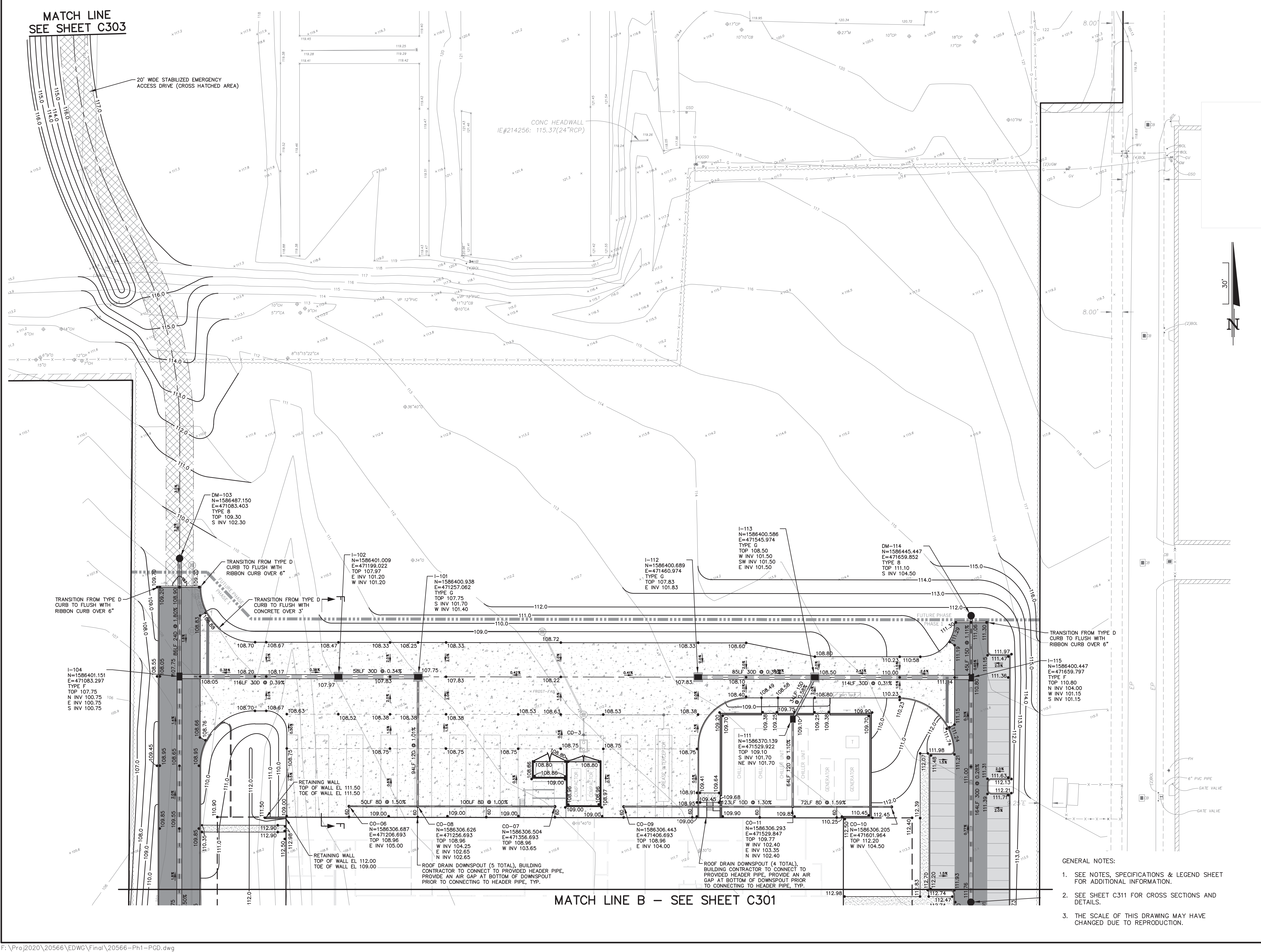
- GENERAL NOTES:
1. SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
 2. SEE SHEET C331 FOR CROSS SECTIONS AND DETAILS.
 3. VERTICAL SAW CUT & REMOVE 12" OF EXISTING ASPHALT ALONG NEW RIGHT TURN LANE AND PROVIDE AN OVERLAPPING JOINT WITH EXISTING ASPHALT.
 4. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

DOCUMENT CHANGES	
Description	Date
RELOCATED I-141	7/2/21
ADD TURN LANE & STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

PAVING, GRADING AND DRAINAGE PLAN

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DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

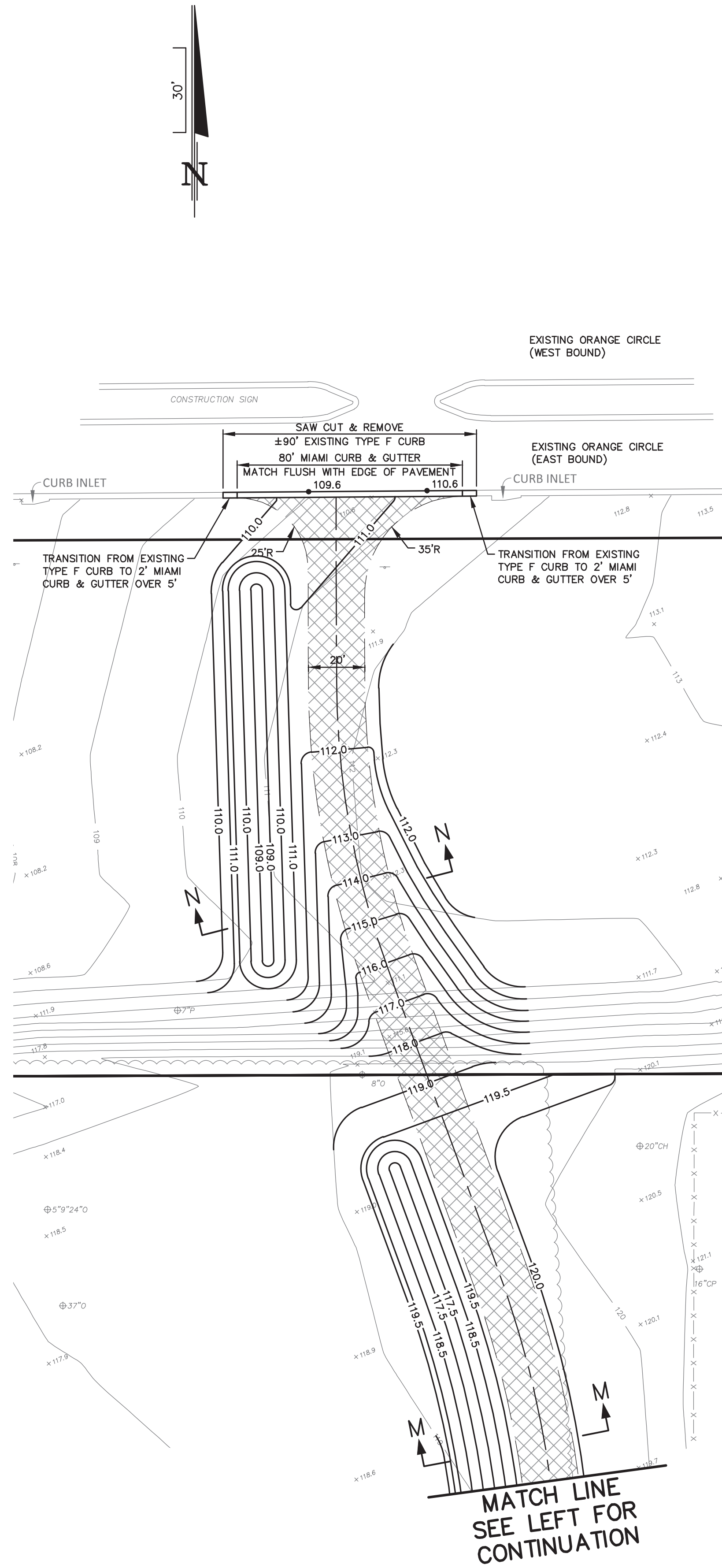
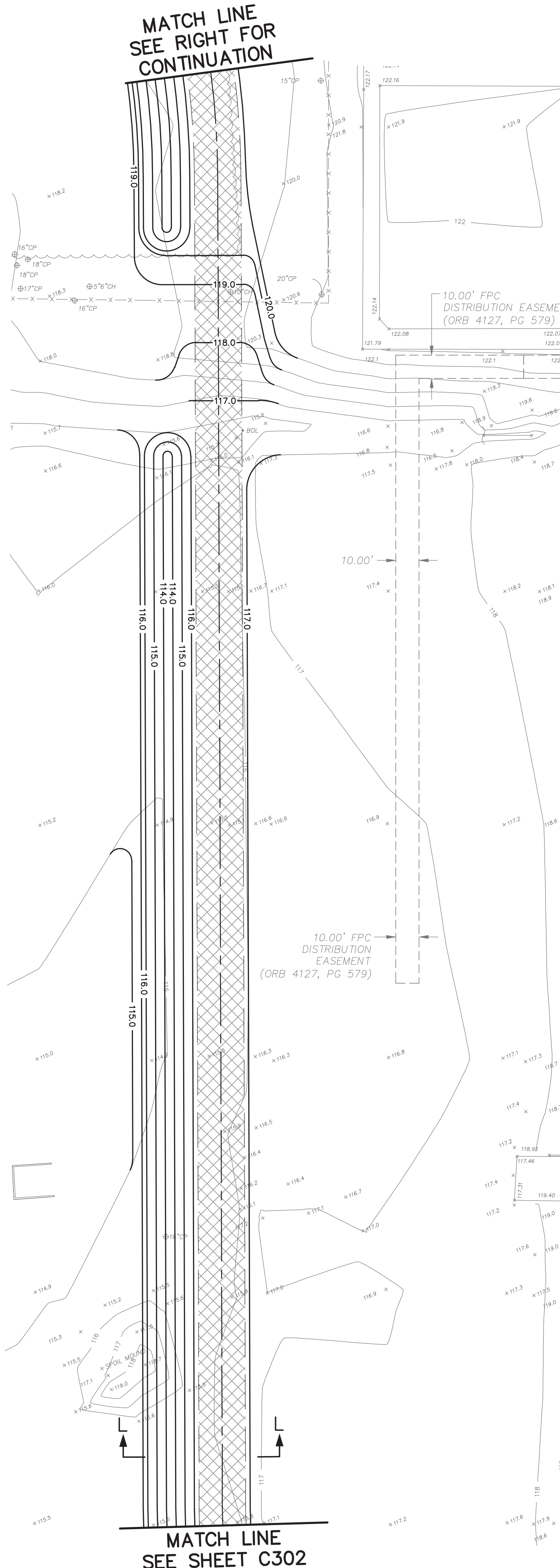
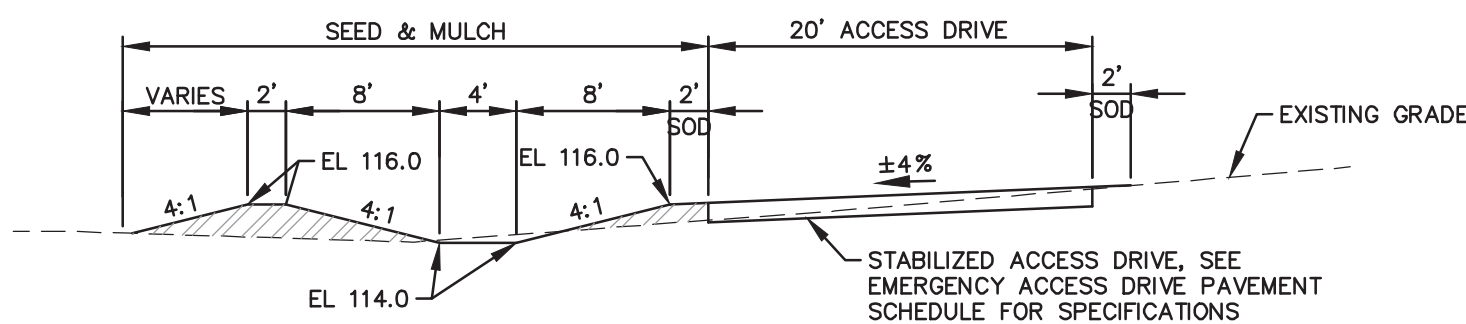
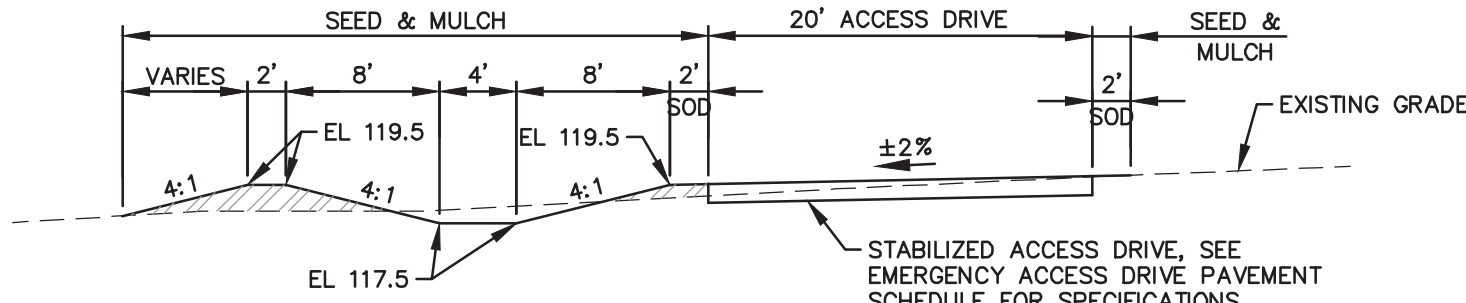
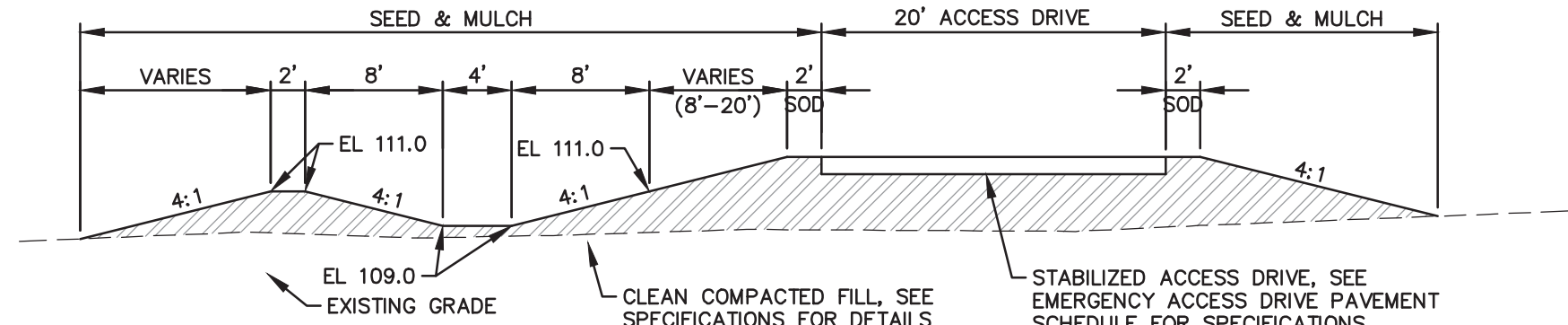
Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES		
Description	By	Date
ADD STREET NAME PER COUNTY	MAB / MAB	7/19/21
NEW BLDG, REVISED PHASE 1	MAB / MAB	9/23/24

PAVING, GRADING AND DRAINAGE PLAN

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GENERAL NOTES:

- SEE SITE DATA, DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEETS FOR ADDITIONAL INFORMATION.
- THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADD STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

PAVING, GRADING
AND DRAINAGE
PLAN

Sheet Number

C303
14 OF 36

DOCUMENT CHANGES

Description	Date
ADDED HOGSHEAD RD SECTION AND MATERIAL SCHEDULE	7/1/21
NEW BLDG, REVISED PHASE 1	9/23/24

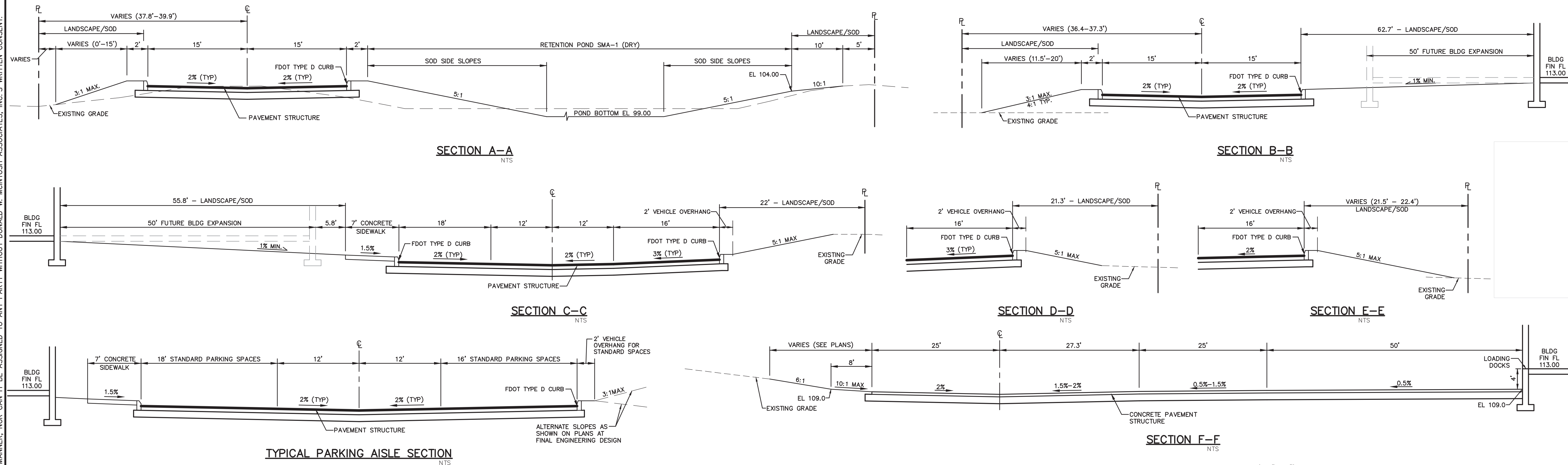
Issue Description			
Issue Date		6/12/21	
Project No		20566	
Drawn/ Designed	MAB / MAB	Checked By	JTT
Drawing Title			

CROSS SECTIONS

Sheet Number

C331

15 OF 36



HOGSHEAD ROAD PAVEMENT MATERIALS SCHEDULE			
	MATERIALS	THICKNESS	SPECIFICATIONS
	ASPHALT (2nd LIFT)	1"	TYPE SP-9.5 STRUCTURAL COURSE, FULL WIDTH OVERLAY OF HOGSHEAD ROAD
	ASPHALT (1st LIFT)	1-1/2"	TYPE SP-12.5 STRUCTURAL COURSE
	BASE	8"	LIMEROCK BASE, LBR 100, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX DRY DENSITY (6" MAX. LIFTS)
	SUB-GRADE	12"	STABILIZED SUB-GRADE, LBR 40, COMPACTED TO 95% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY

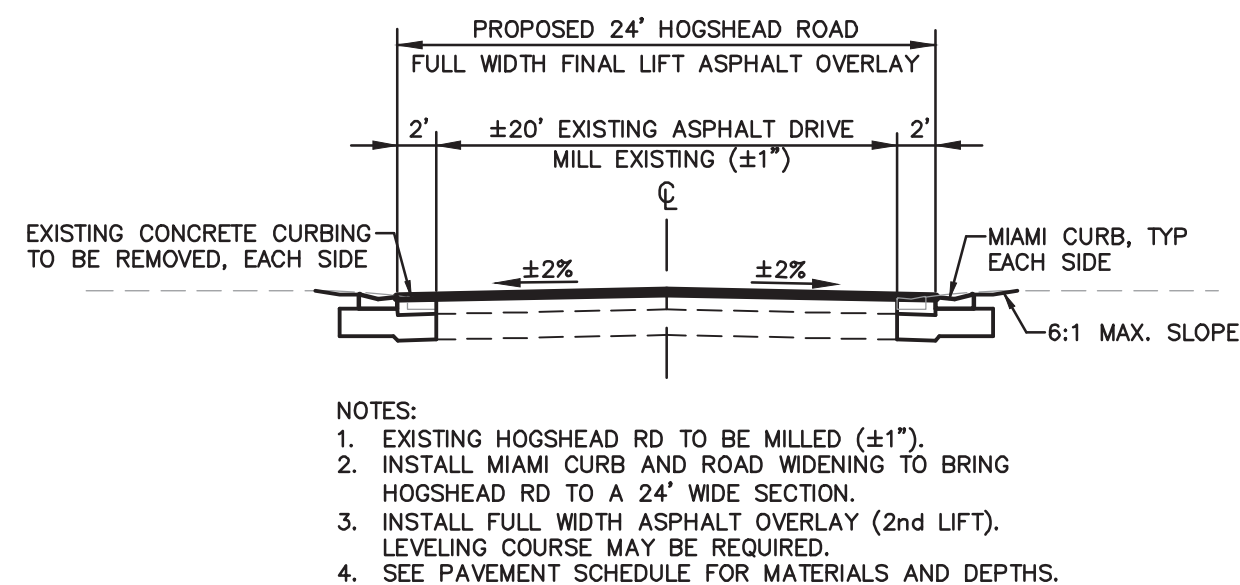
STANDARD PAVEMENT MATERIALS SCHEDULE			
	MATERIALS	THICKNESS	SPECIFICATIONS
	ASPHALT (2nd LIFT)	1"	TYPE SP-9.5 STRUCTURAL COURSE
	ASPHALT (1st LIFT)	1"	TYPE SP-9.5 STRUCTURAL COURSE
	BASE	6"	LIMEROCK BASE, LBR 100, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX DRY DENSITY
	SUB-GRADE	12"	STABILIZED SUB-GRADE, LBR 40, COMPACTED TO 95% AASHTO T-180 MODIFIED PROCTOR MAX DRY DENSITY

HEAVY DUTY PAVEMENT MATERIALS SCHEDULE			
	MATERIALS	THICKNESS	SPECIFICATIONS
	ASPHALT (2nd LIFT)	1"	TYPE SP-9.5 STRUCTURAL COURSE
	ASPHALT (1st LIFT)	1-1/2"	TYPE SP-12.5 STRUCTURAL COURSE
	BASE	8"	LIMEROCK BASE, LBR 100, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY (6" MAX. LIFTS)
	SUB-GRADE	12"	STABILIZED SUB-GRADE, TYPE B, LBR 40, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY

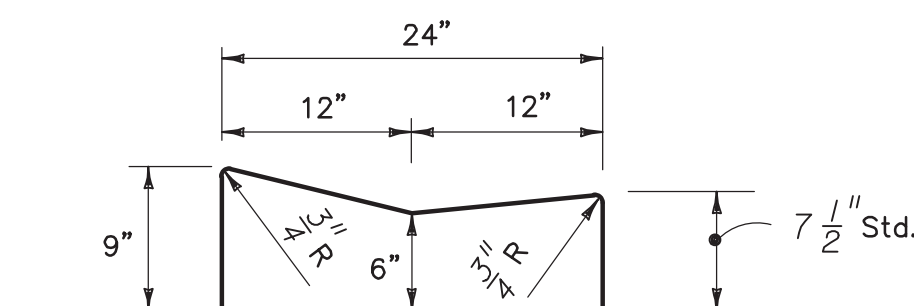
CONCRETE PAVEMENT STRUCTURE			
	MATERIALS	THICKNESS	SPECIFICATIONS
	CONCRETE	6"	4,000 PSI PORTLAND CEMENT
	SUB-GRADE	18"	WELL DRAINING SOIL, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY

NOTE:
CONTRACTOR TO PREPARE AN EXPANSION AND CONTROL JOINT LAYOUT PLAN AND SUBMIT IT
TO THE CITY OF APOPKA FOR APPROVAL PRIOR TO POURING THE CONCRETE. COPY OF THE
PLAN TO BE FORWARDED TO THE ENGINEER.

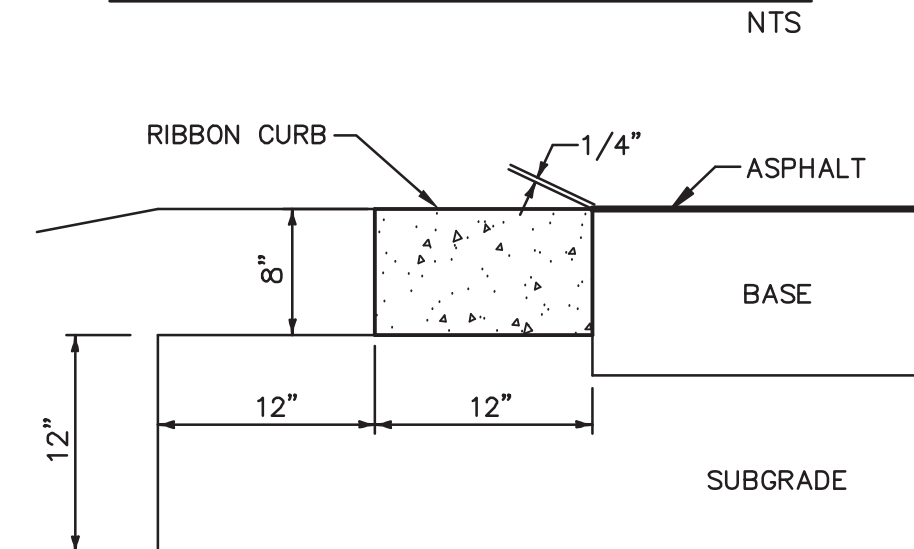
EMERGENCY ACCESS DRIVE PAVEMENT STRUCTURE			
	MATERIALS	THICKNESS	SPECIFICATIONS
	BASE	6"	CRUSH SHELL, COMPACTED TO 95% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY
	SUB-GRADE	12"	STABILIZED SUB-GRADE, TYPE B, LBR 40, COMPACTED TO 98% AASHTO T-180 MODIFIED PROCTOR MAX. DRY DENSITY



HOGSHEAD ROAD WIDENING TYPICAL SECTION

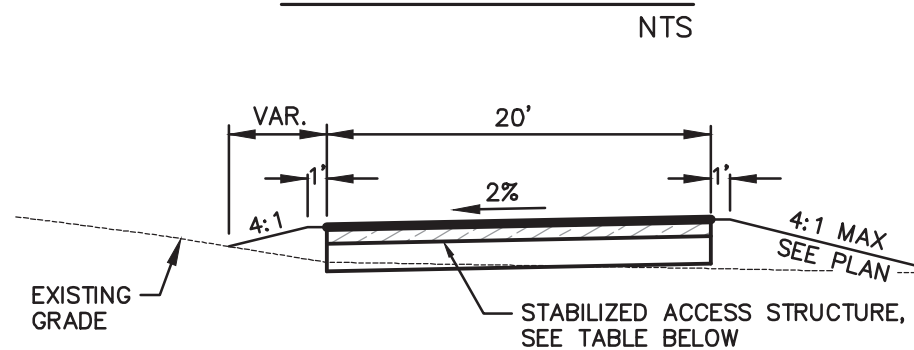


MIAMI CURB & GUTTER

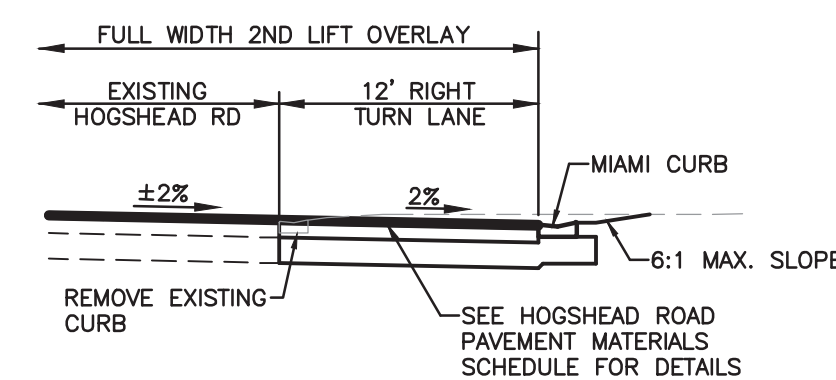


NOTES:
1. SAW CUT CONTROL JOINTS IN CONCRETE AT 7' O.C.
2. 3500 PSI CONCRETE

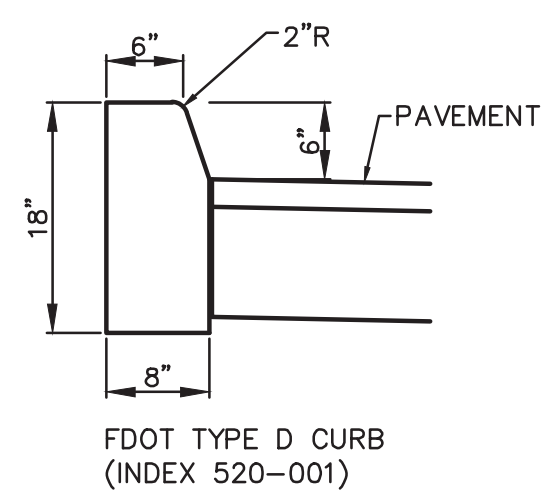
RIBBON CURB



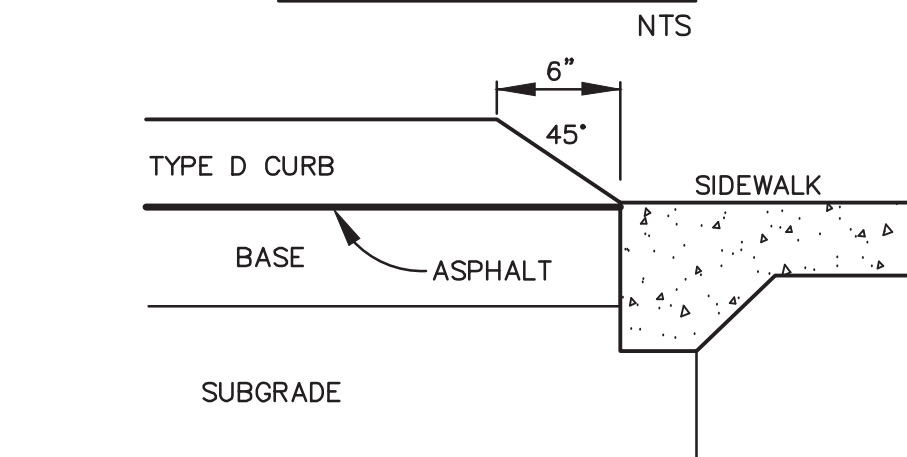
EMERGENCY ACCESS DRIVE



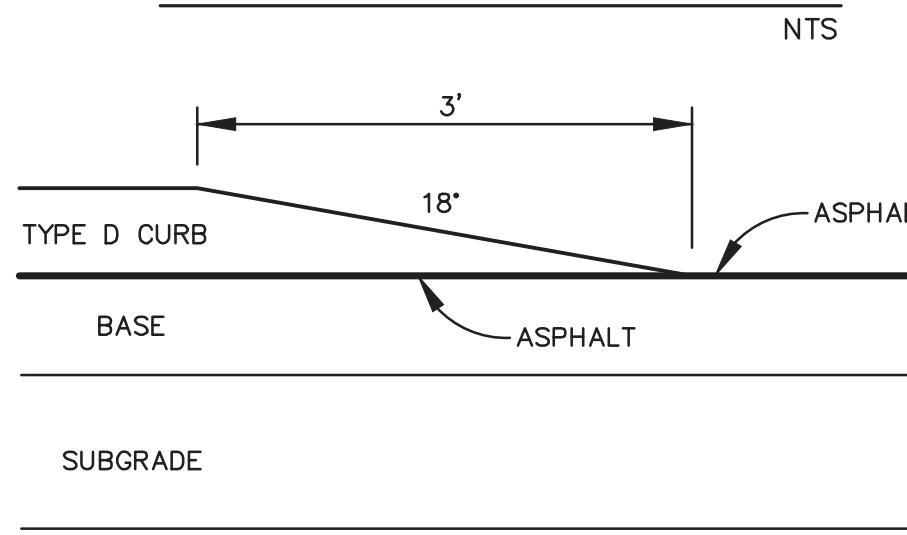
SECTION G-G



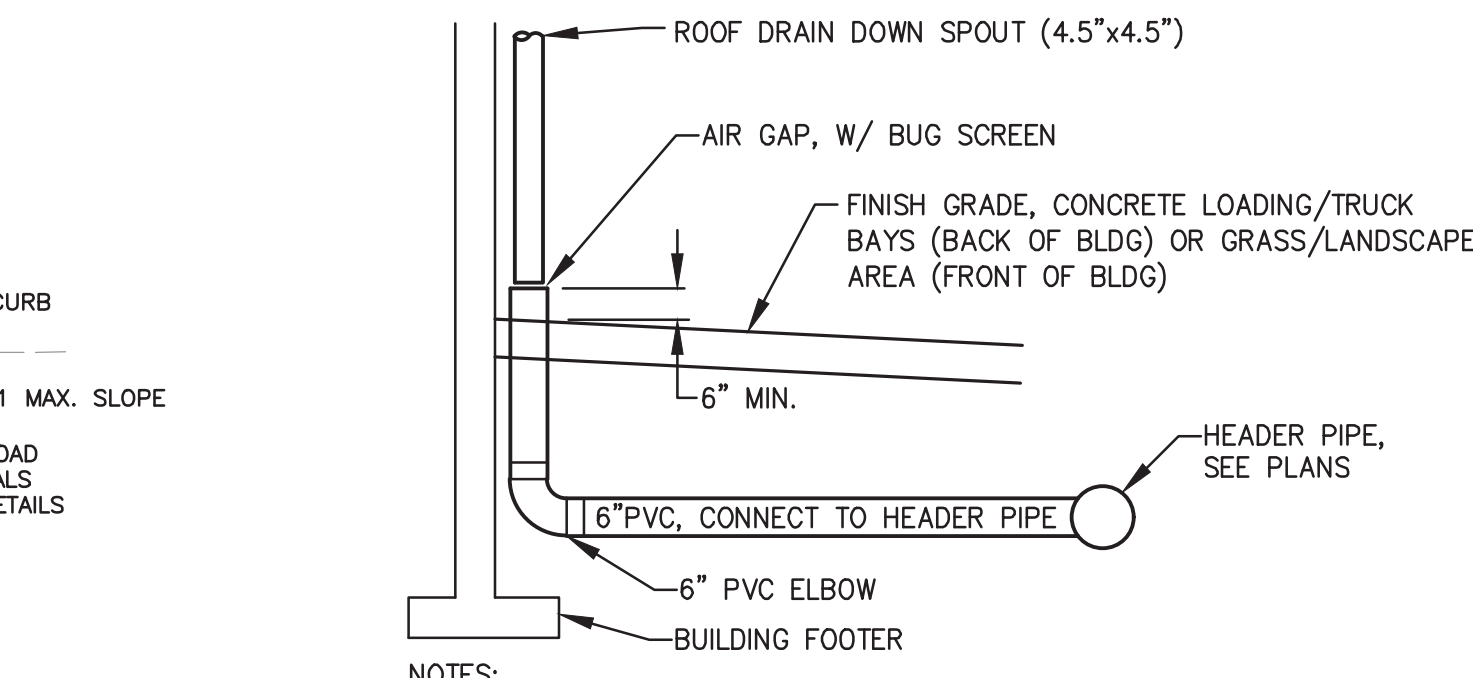
TYPE D CURB



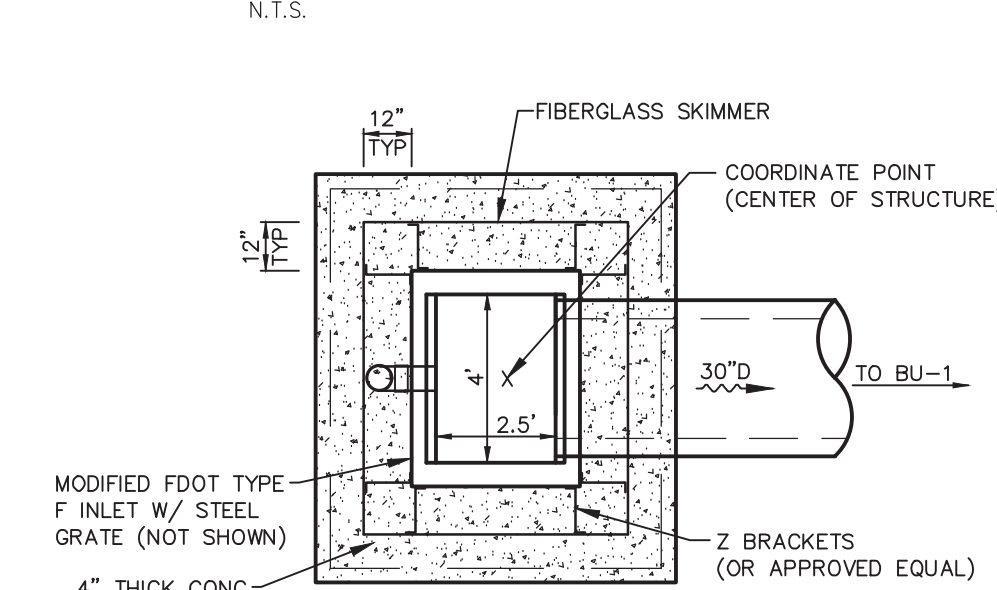
6" CURB TERMINATION



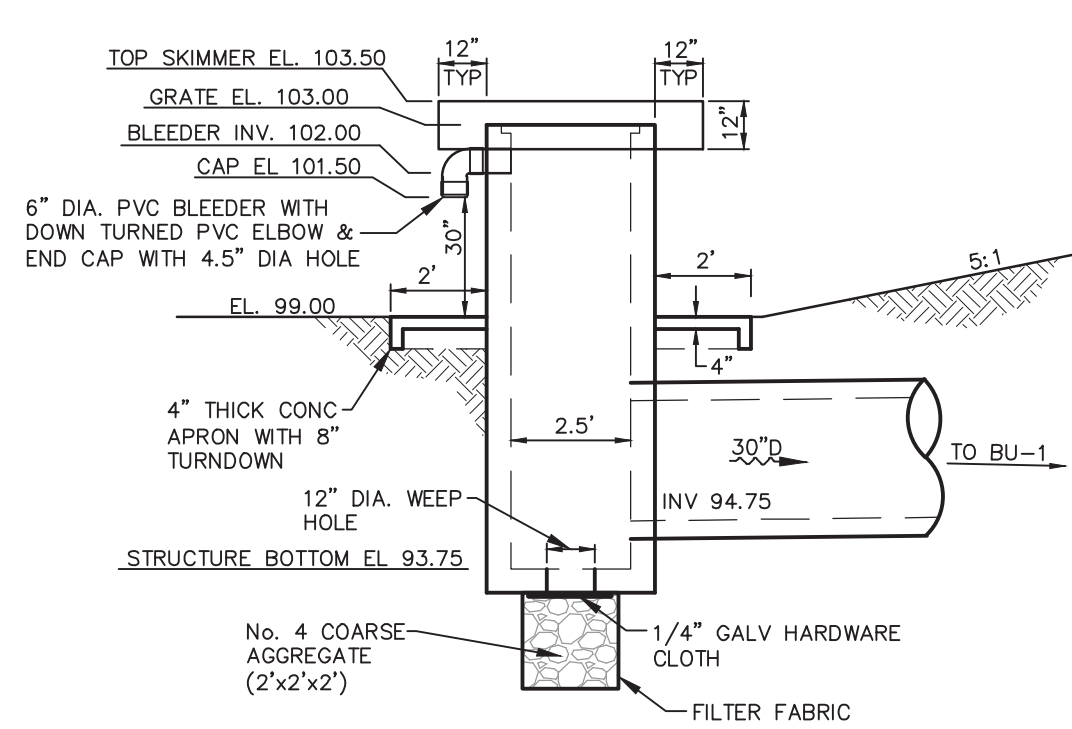
3' CURB TERMINATION



ROOF DRAIN CONNECTION



PLAN VIEW



SIDE ELEVATION

CONTROL STRUCTURE CS-1

SCALE: 1"=4'

GENERAL NOTES:

1. SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
2. SEE GRADING PLANS, SHEETS C301 & C302, FOR SECTION LOCATIONS AND ADDITIONAL INFORMATION.
3. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

MATCH LINE C – SEE SHEET C502



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADD TURN LANE & STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/Designed MAB / MAB Checked By JTT

Drawing Title

WATER, WASTEWATER AND RECLAIMED WATER MAIN PLAN

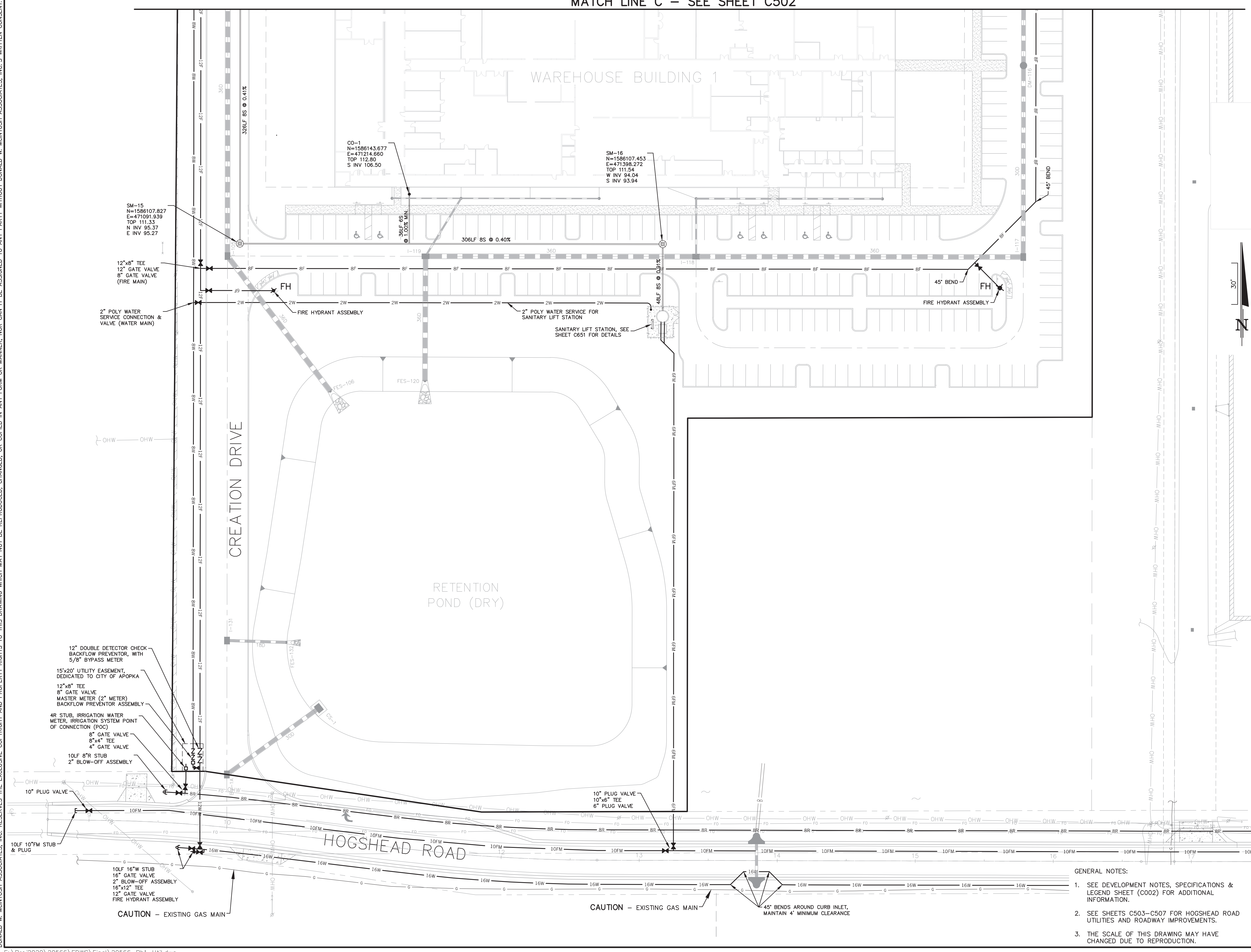
Sheet Number

C501
16 OF 36

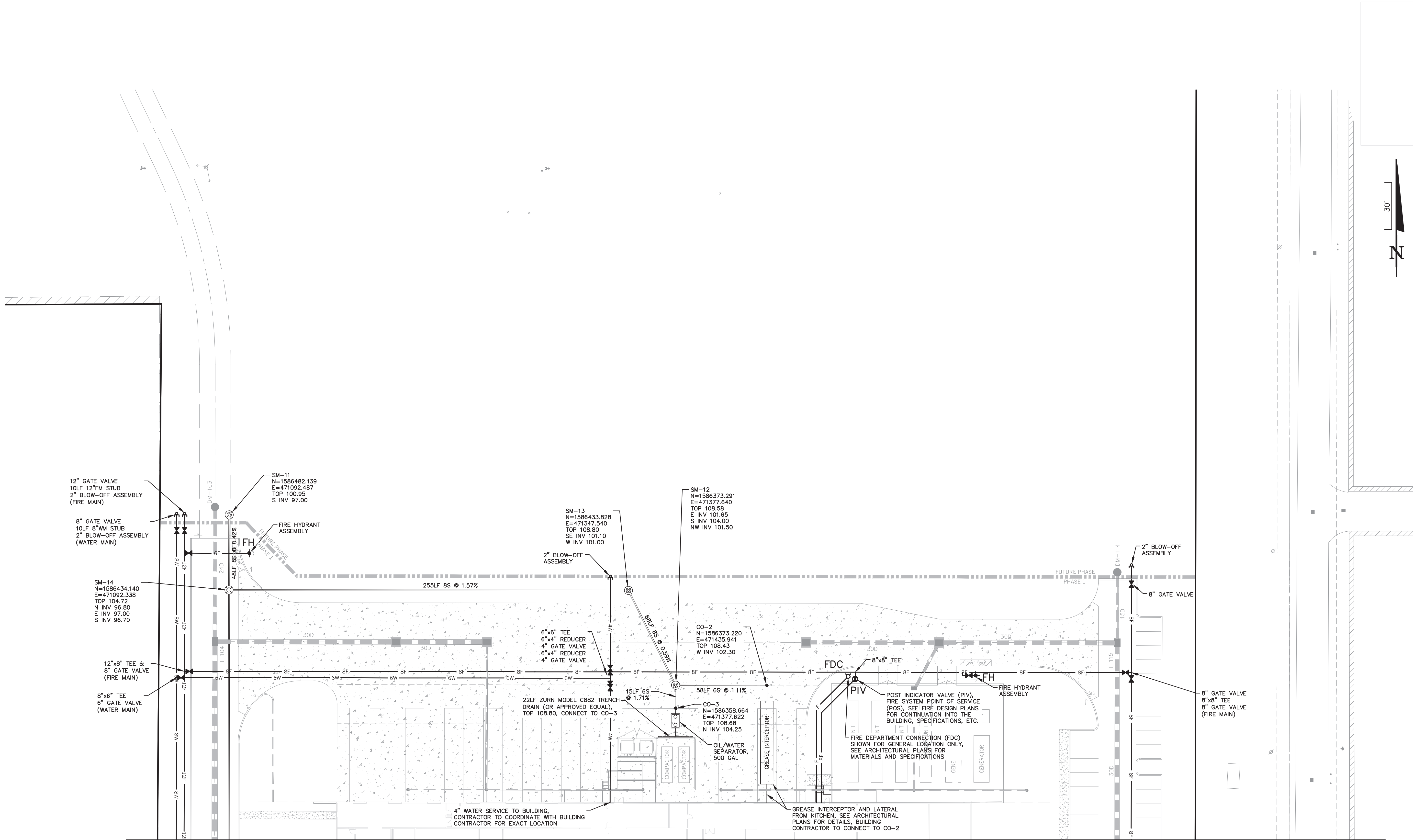
GENERAL NOTES:

- SEE DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEET (C002) FOR ADDITIONAL INFORMATION.
- SEE SHEETS C503–C507 FOR HOGSHEAD ROAD UTILITIES AND ROADWAY IMPROVEMENTS.
- THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

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MATCH LINE C – SEE SHEET C501

- GENERAL NOTES:
- SEE DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
 - THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

Seals

DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth
Fudge Road Complex – Phase 1
CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADD STREET NAME PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

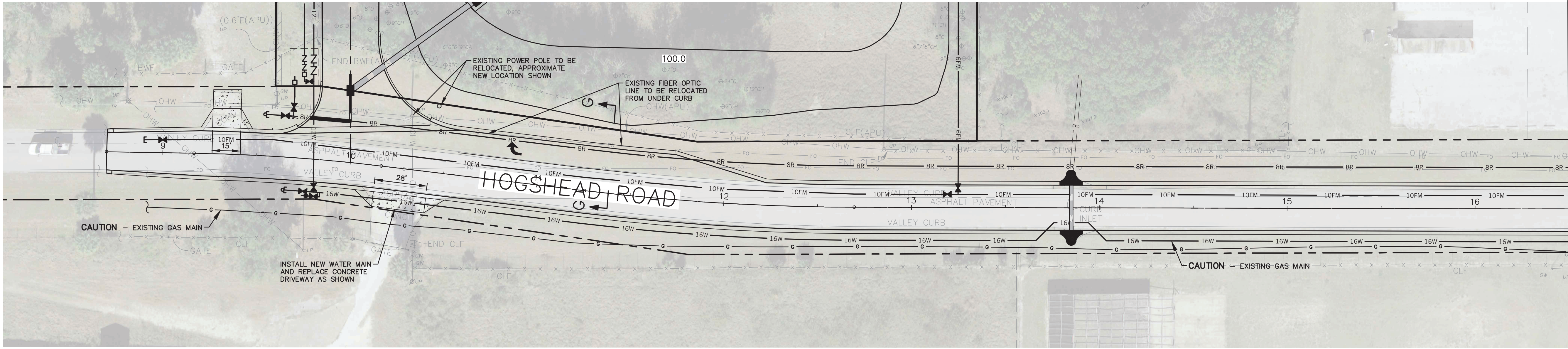
Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

**WATER,
WASTEWATER
AND RECLAIMED
WATER MAIN
PLAN**

Sheet Number

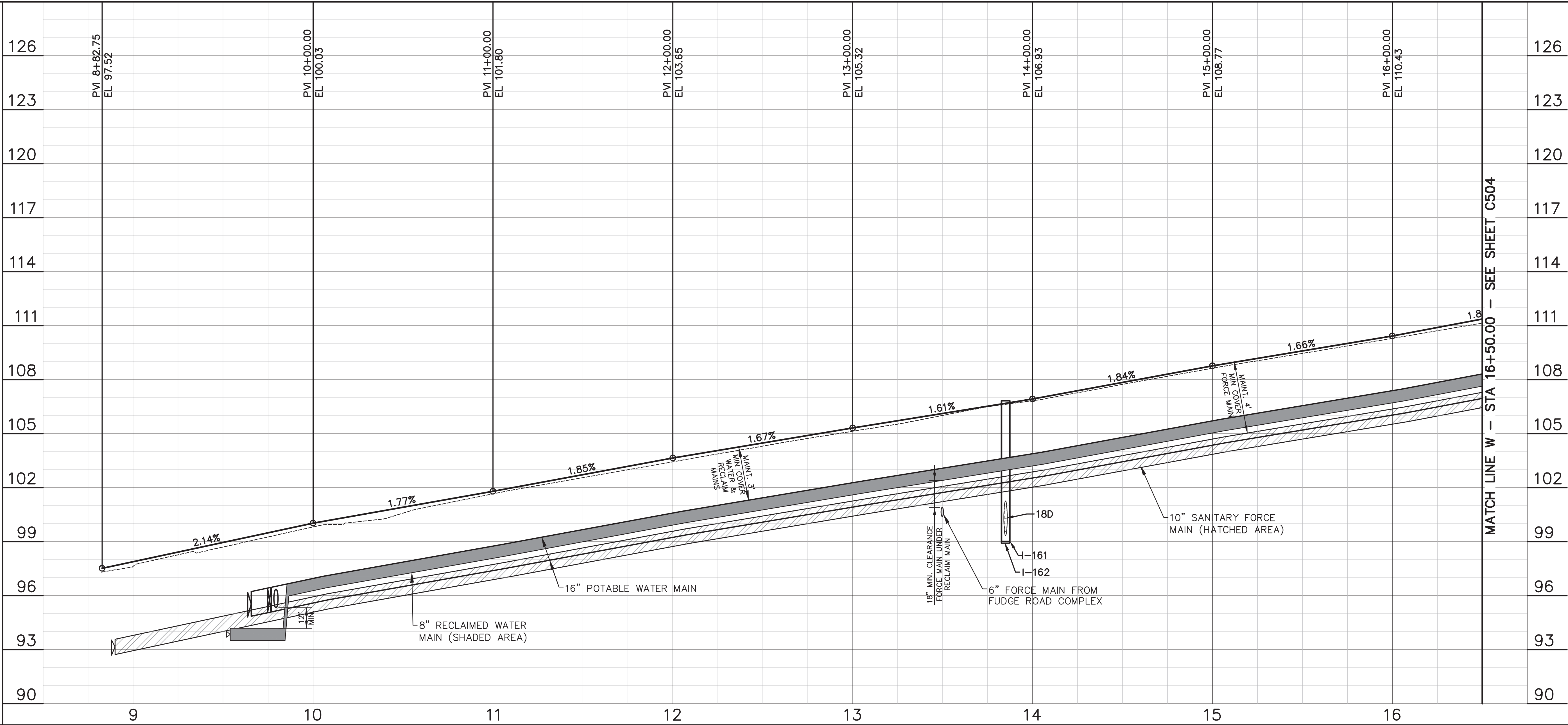
C502
17 OF 36

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MATCH LINE W - STA 16+50.00
SEE SHEET C504

SCALE: 1"=30'H/1"=3'V



MATCH LINE W - STA 16+50.00 - SEE SHEET C504

Seals

DATE: _____

CONSTRUCTION SITE PLANS
AdventHealth
Fudge Road Complex - Phase 1
CITY OF APOPKA, FLORIDA

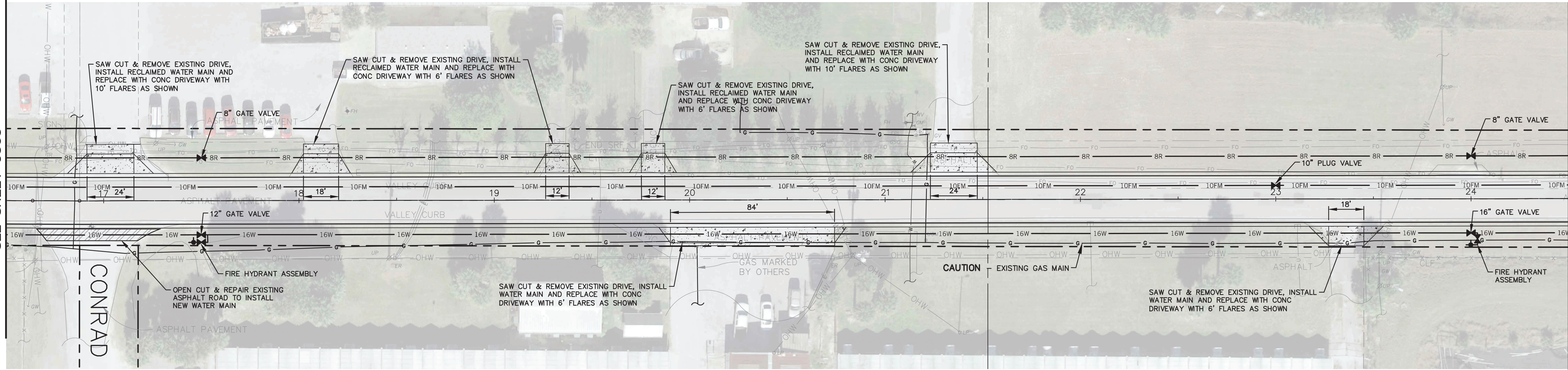
DOCUMENT CHANGES	
Description	Date
ADDED HOGSHEAD RD SECTION AND MATERIAL SCHEDULE	7/1/21
ADD TURN LANE PER COUNTY	7/19/21
ADDED EXISTING UTILITIES PER SOFT DIGS	1/23/22
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

PLAN & PROFILE
- HOGSHEAD RD
IMPROVEMENTS

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MATCH LINE W – STA 16+50.00
SEE SHEET C503

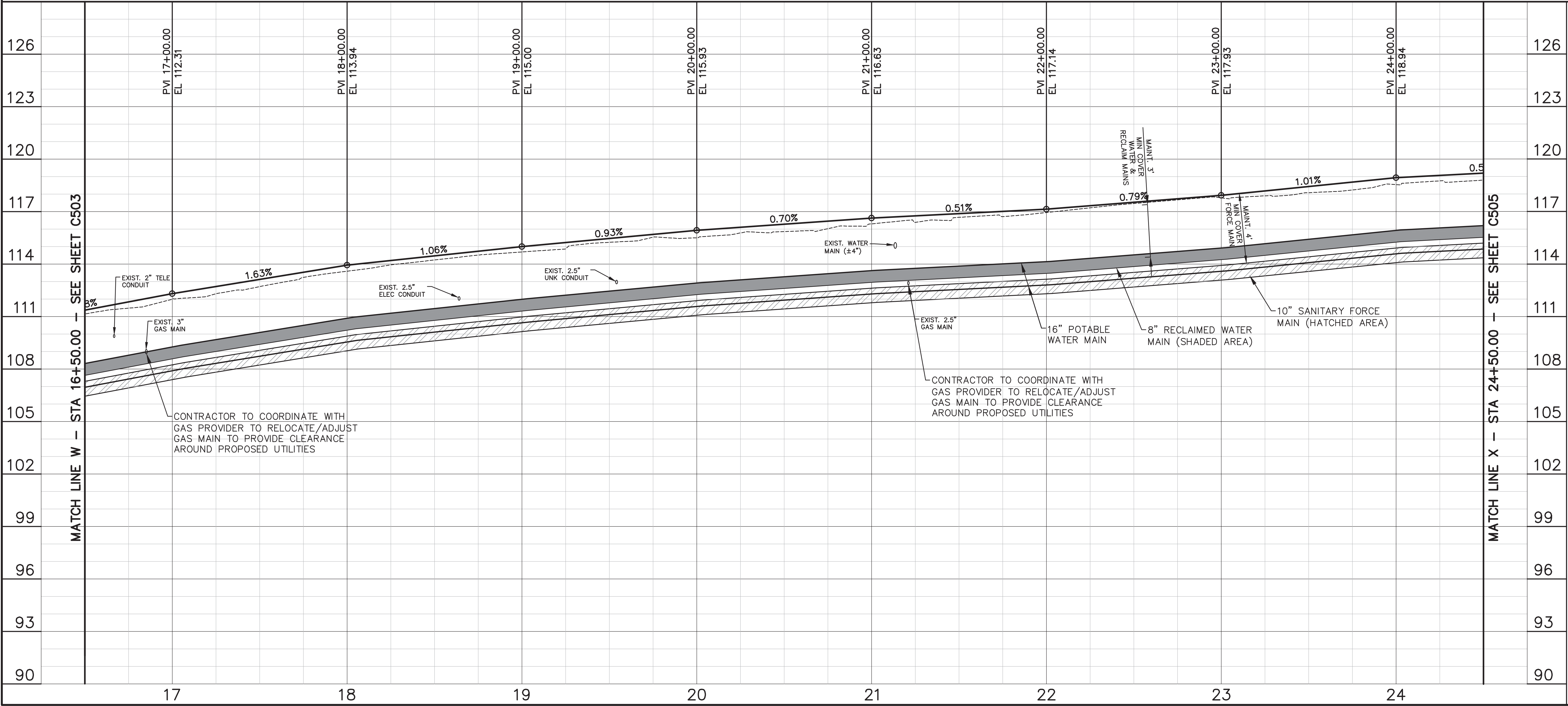


MATCH LINE X – STA 24+50.00
SEE SHEET C505



SCALE: 1"=30'H/1"=3'V

MATCH LINE W – STA 16+50.00 – SEE SHEET C503



MATCH LINE X – STA 24+50.00 – SEE SHEET C505



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DATE: _____

CONSTRUCTION SITE PLANS
AdventHealth
Fudge Road Complex – Phase 1
CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES	
Description	Date
REVISED UTILITIES ALONG HOGSHEAD ROAD	9/13/21
ADDED EXISTING UTILITIES PER SFT DCS	1/23/22
NEW BLDG, REVISED PHASE 1	9/23/24

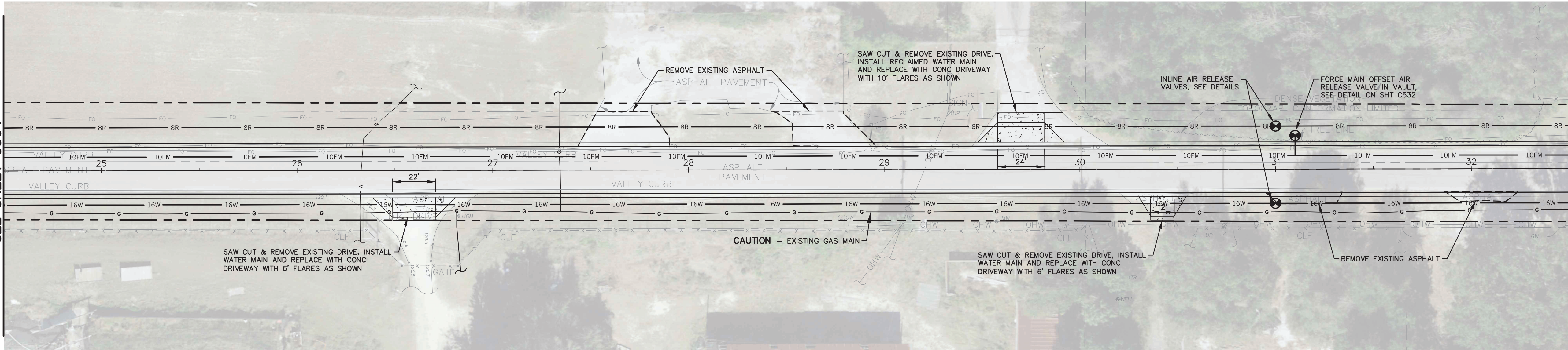
Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

PLAN & PROFILE
– HOGSHEAD RD
IMPROVEMENTS

Sheet Number
C504
19 OF 36

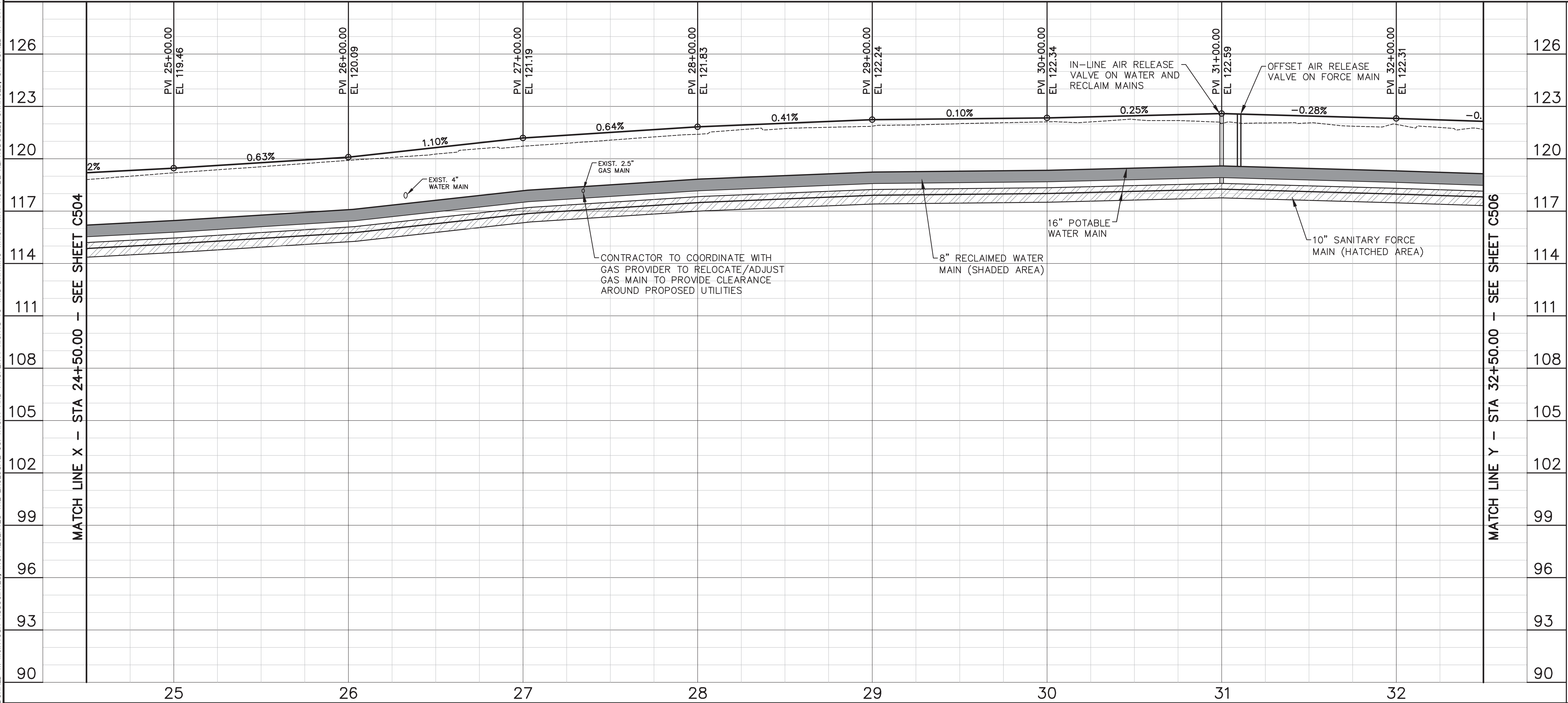
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MATCH LINE X – STA 24+50.00
SEE SHEET C504



SCALE: 1"=30'H/1"=3'V

MATCH LINE X – STA 24+50.00 – SEE SHEET C504



MATCH LINE Y – STA 32+50.00 – SEE SHEET C506

GENERAL NOTES:

1. SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
2. HOGSHEAD ROAD TO BE MILLED, WIDENED AND FULL WIDTH OVERLAY, SEE SHEET C331 FOR TYPICAL SECTION AND DETAILS.
3. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
REVISED UTILITIES ALONG HOGSHEAD ROAD	9/13/21
ADDED EXISTING UTILITIES PER SOFT DCS	1/23/22
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/ MAB / MAB
Designed / MAB / MAB

Checked By JTT

Drawing Title

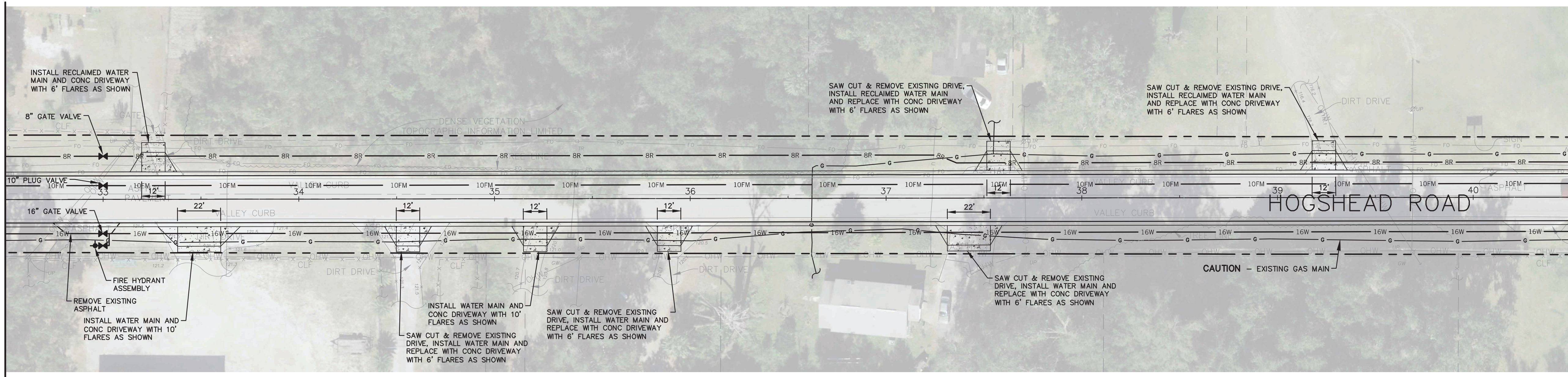
PLAN & PROFILE
– HOGSHEAD RD
IMPROVEMENTS

Sheet Number

C505
20 OF 36

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MATCH LINE Y – STA 32+50.00
SEE SHEET C505

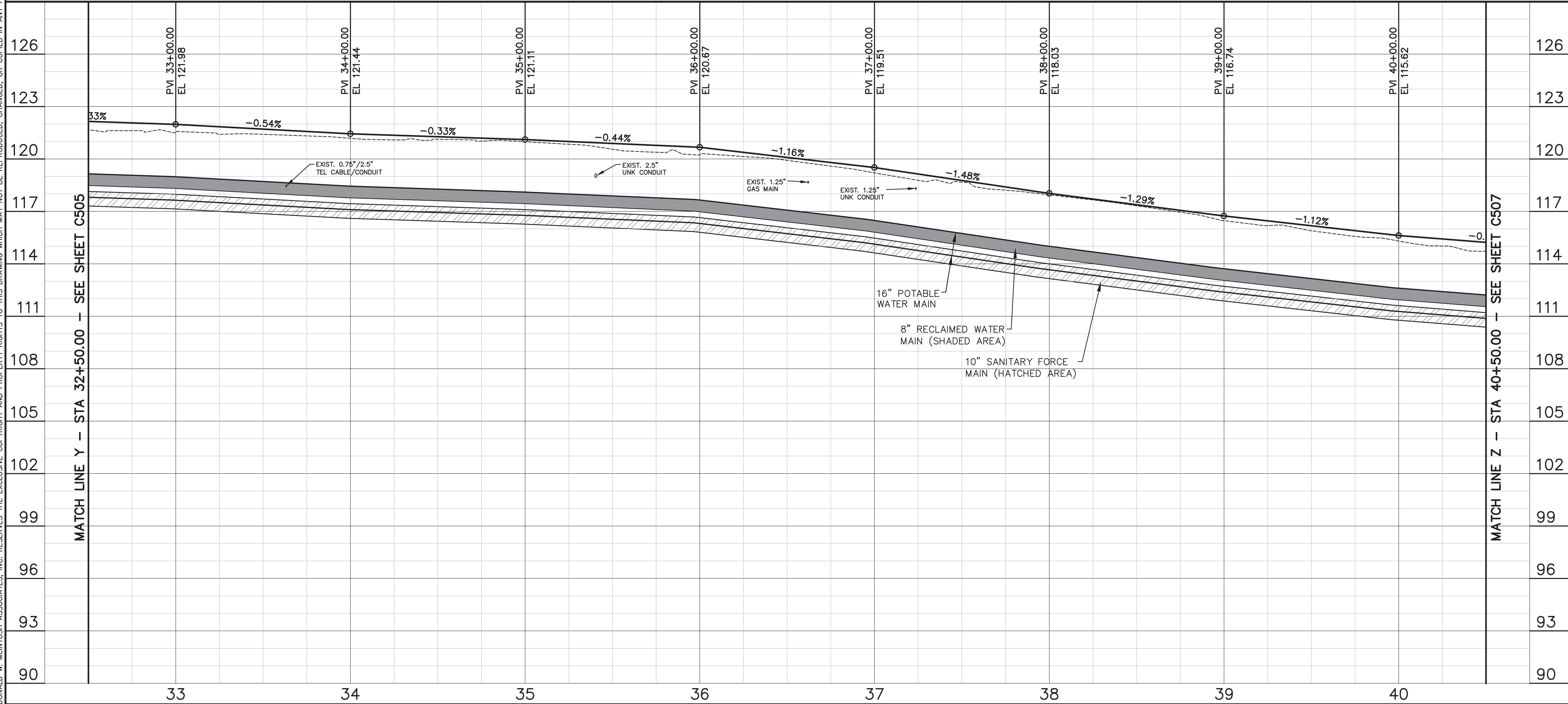


MATCH LINE Z – STA 40+50.00
SEE SHEET C507



SCALE: 1"=30'H/1"=3'V

MATCH LINE Y – STA 32+50.00 – SEE SHEET C505



MATCH LINE Z – STA 40+50.00 – SEE SHEET C507

GENERAL NOTES:

- SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
- HOGSHEAD ROAD TO BE MILLED, WIDENED AND FULL WIDTH OVERLAY, SEE SHEET C331 FOR TYPICAL SECTION AND DETAILS.
- THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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Seals

DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

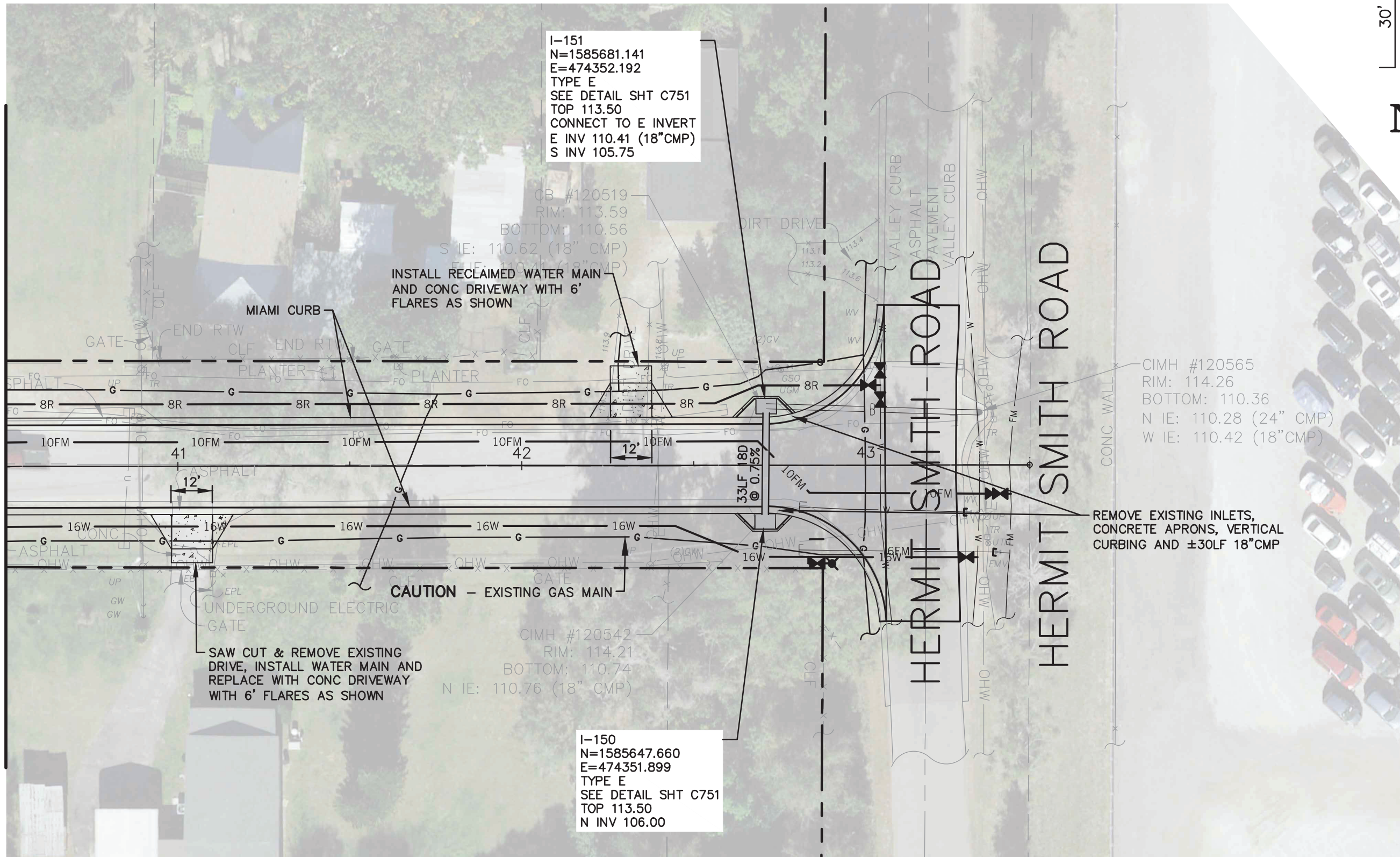
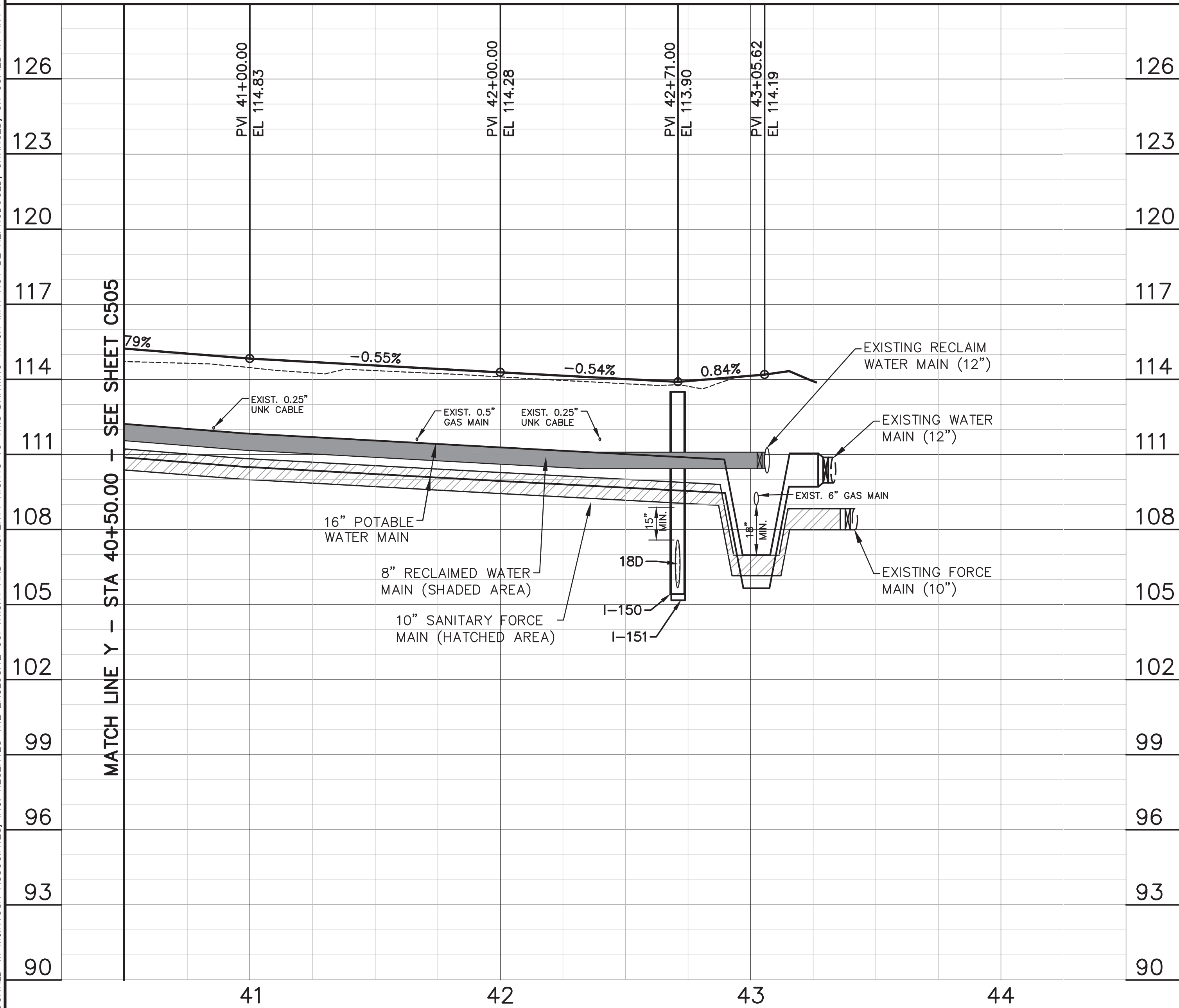
Description	Date
ADDED EXISTING UTILITIES PER SOFT DIGS	1/23/22
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

PLAN & PROFILE
– HOGSHEAD RD
IMPROVEMENTS

Sheet Number

C506
21 OF 36

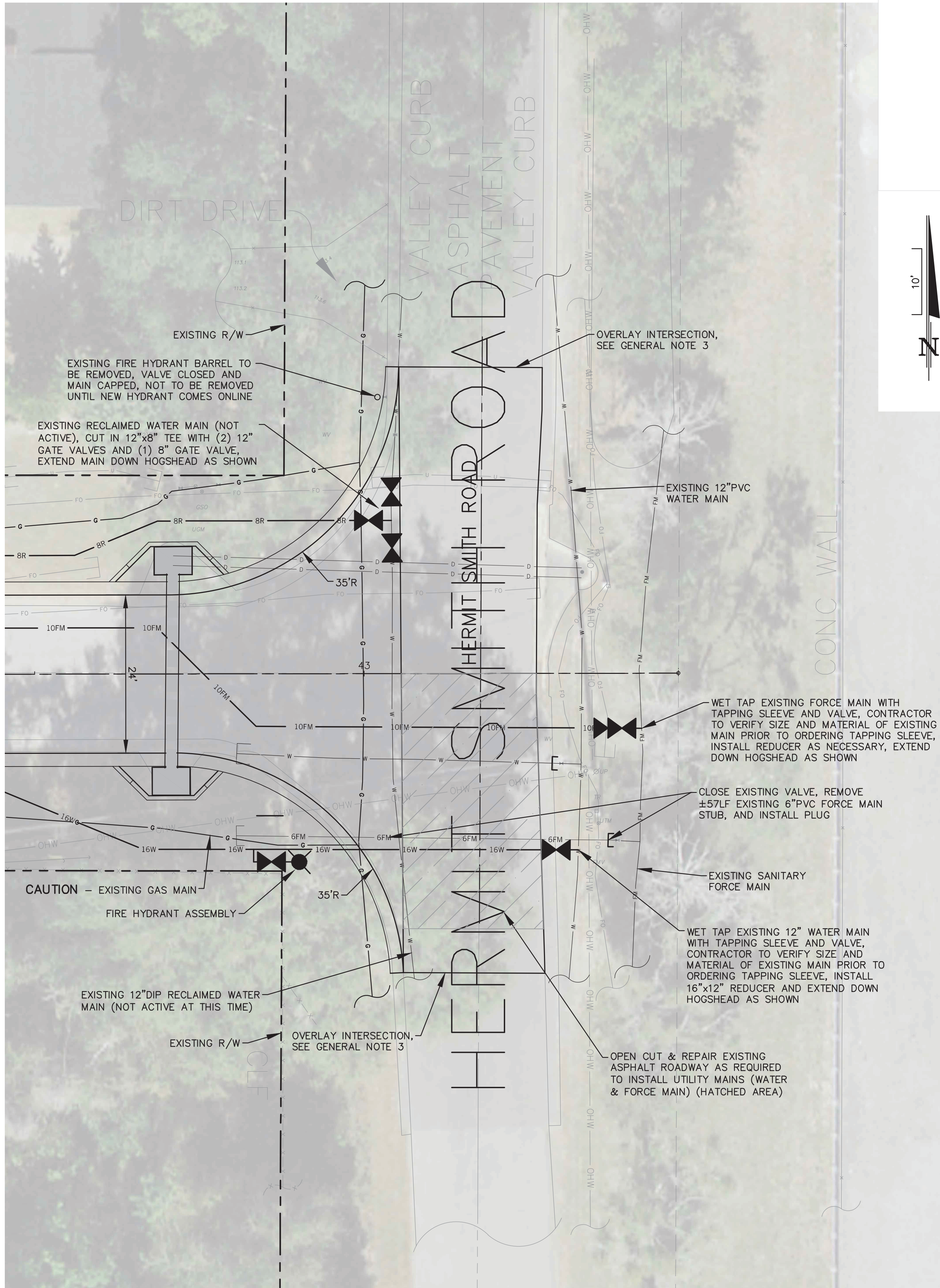


SCALE: 1"=30'H/1"=3'V



GENERAL NOTES:

1. SEE NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
2. HOGSHEAD ROAD TO BE MILLED, WIDENED AND FULL WIDTH OVERLAY, SEE SHEET C331 FOR TYPICAL SECTION AND DETAILS.
3. CONTRACTOR TO MILL HERMIT SMITH ROAD AND HOGSHEAD ROAD INTERSECTION AND PROVIDE SAME FINAL OVERLAY AS HOGSHEAD ROAD (1" min. SP-9.5), FROM RADIUS RETURN TO RADIUS RETURN ALONG HERMIT SMITH ROAD, AS SHOWN.
4. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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Seals

DATE:

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF AOPKA, FLORIDA

[illegible]

Issue Description			
Issue Date		6/12/21	
Project No		20566	
Drawn/ Designed	MAB / MAB	Checked By	JTT
Drawing Title			

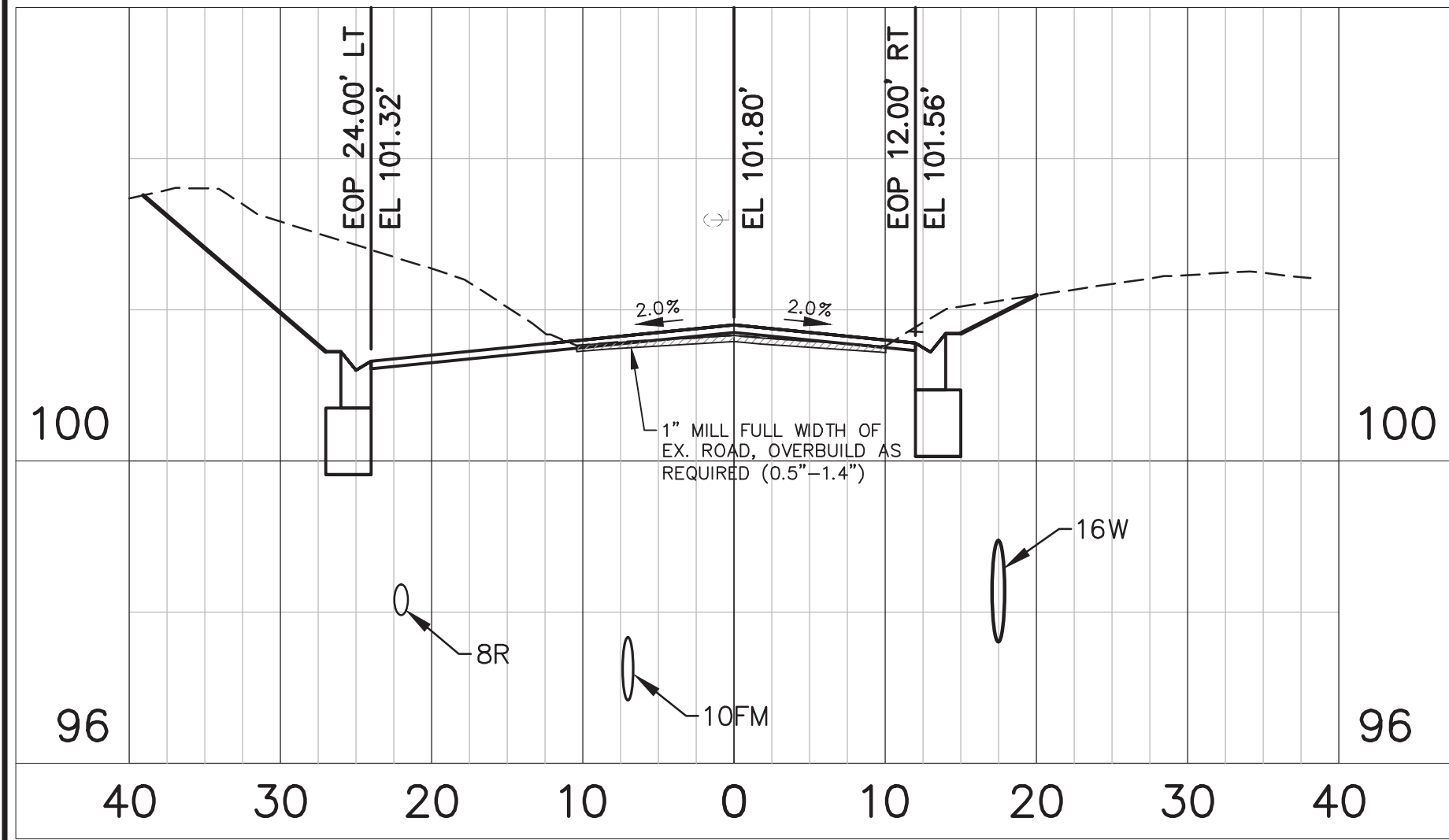
PLAN & PROFILE - HOGSHEAD RD IMPROVEMENTS

Sheet Number

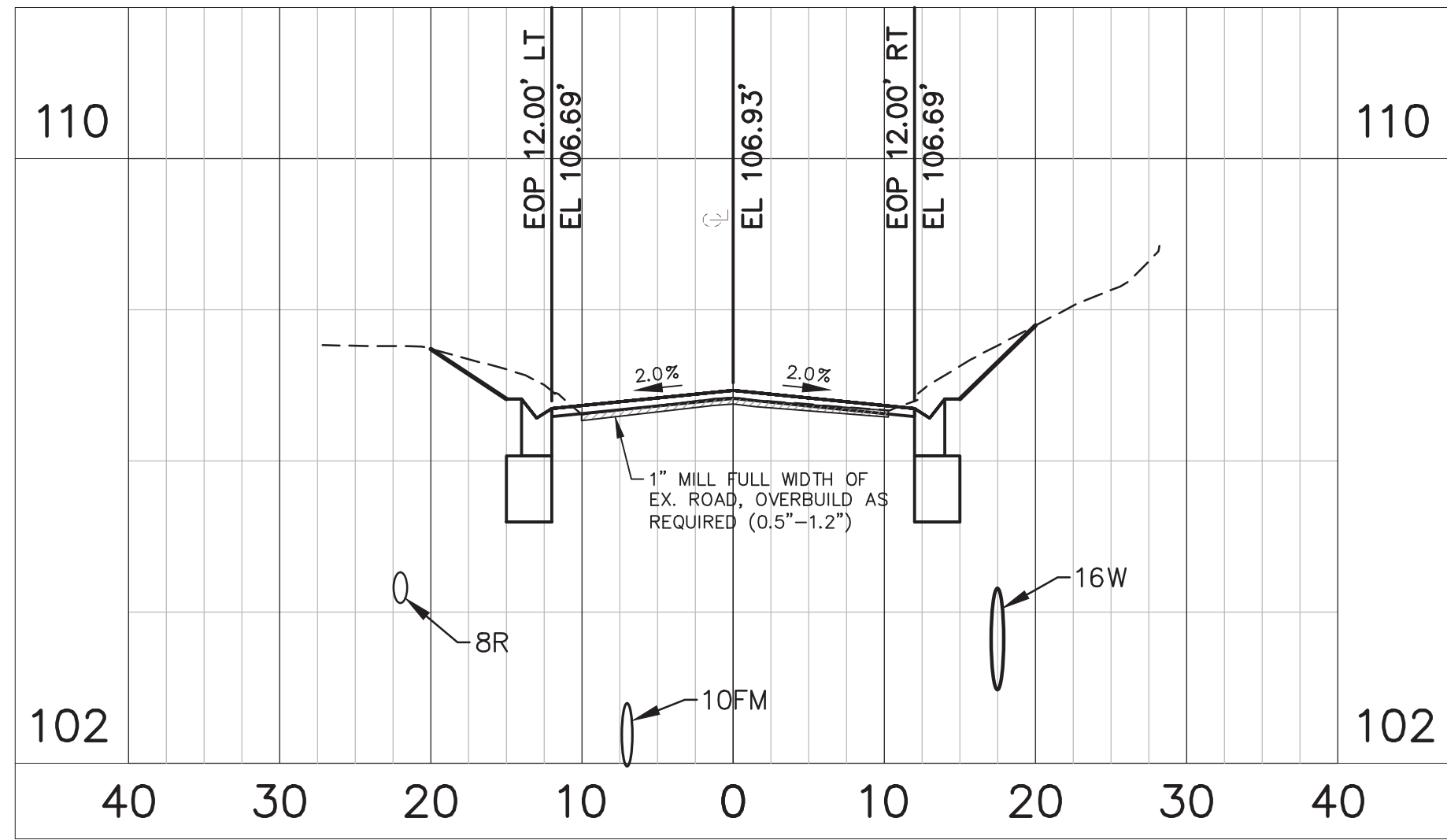
C507

22 OF 36

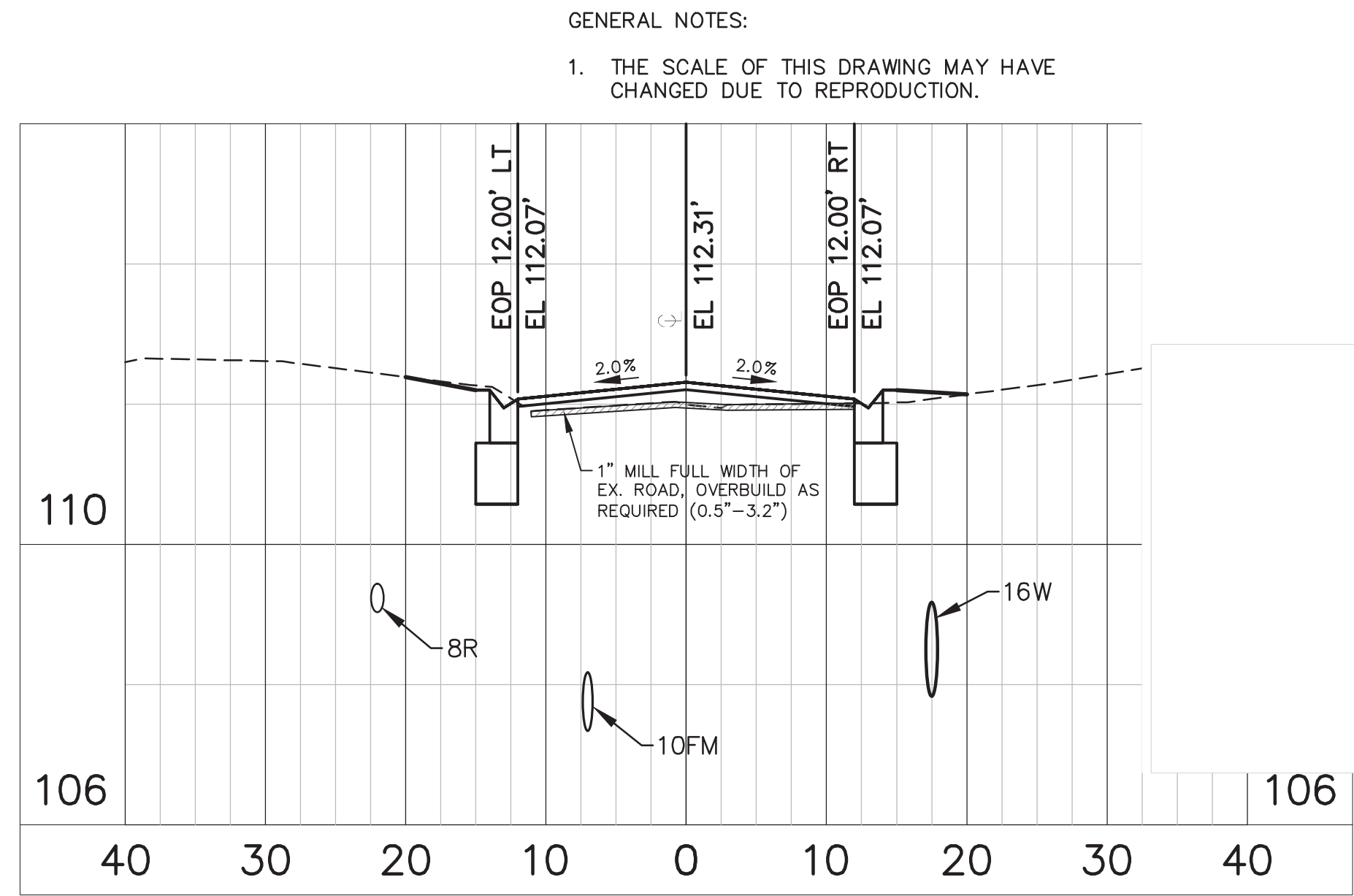
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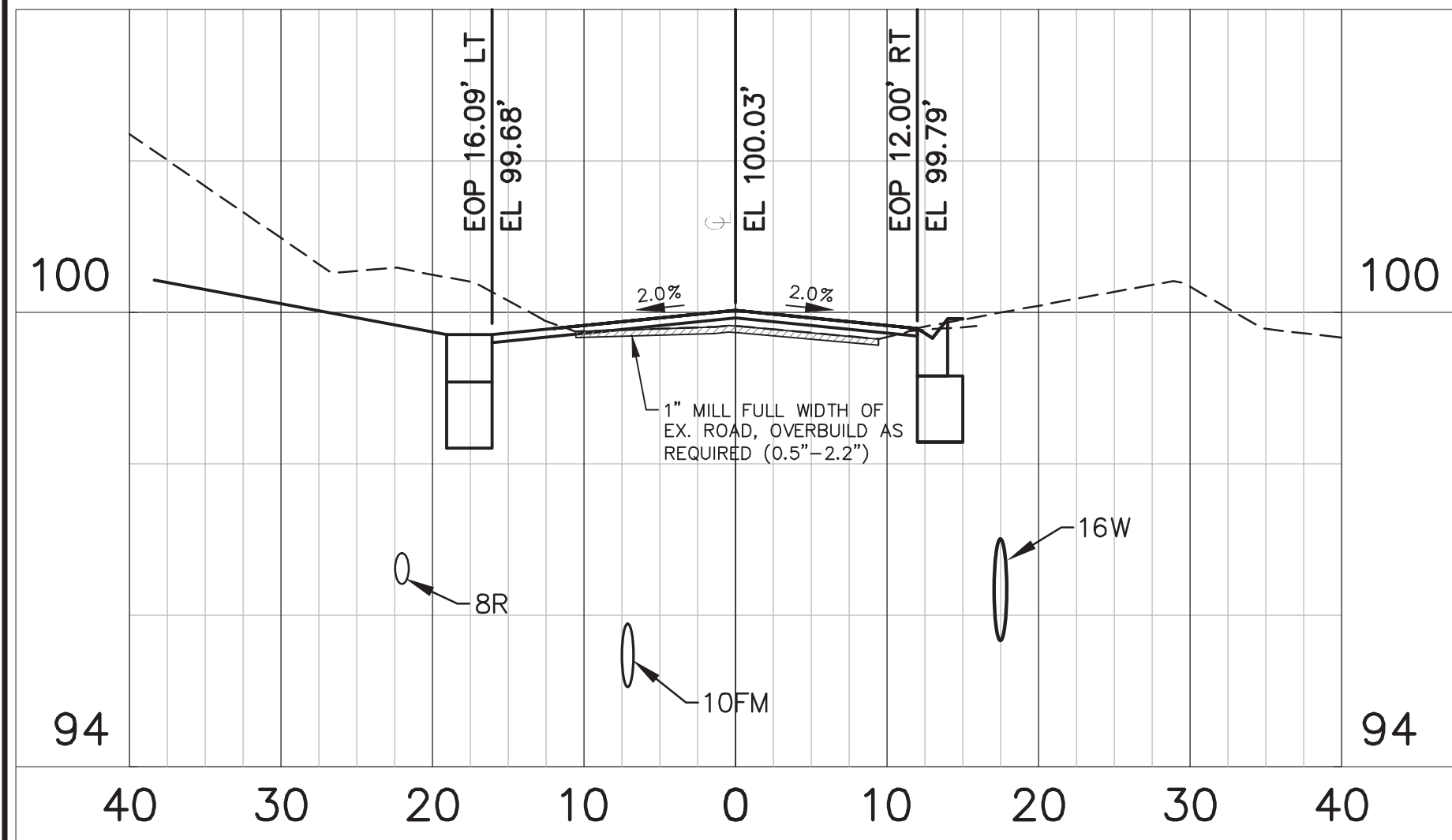
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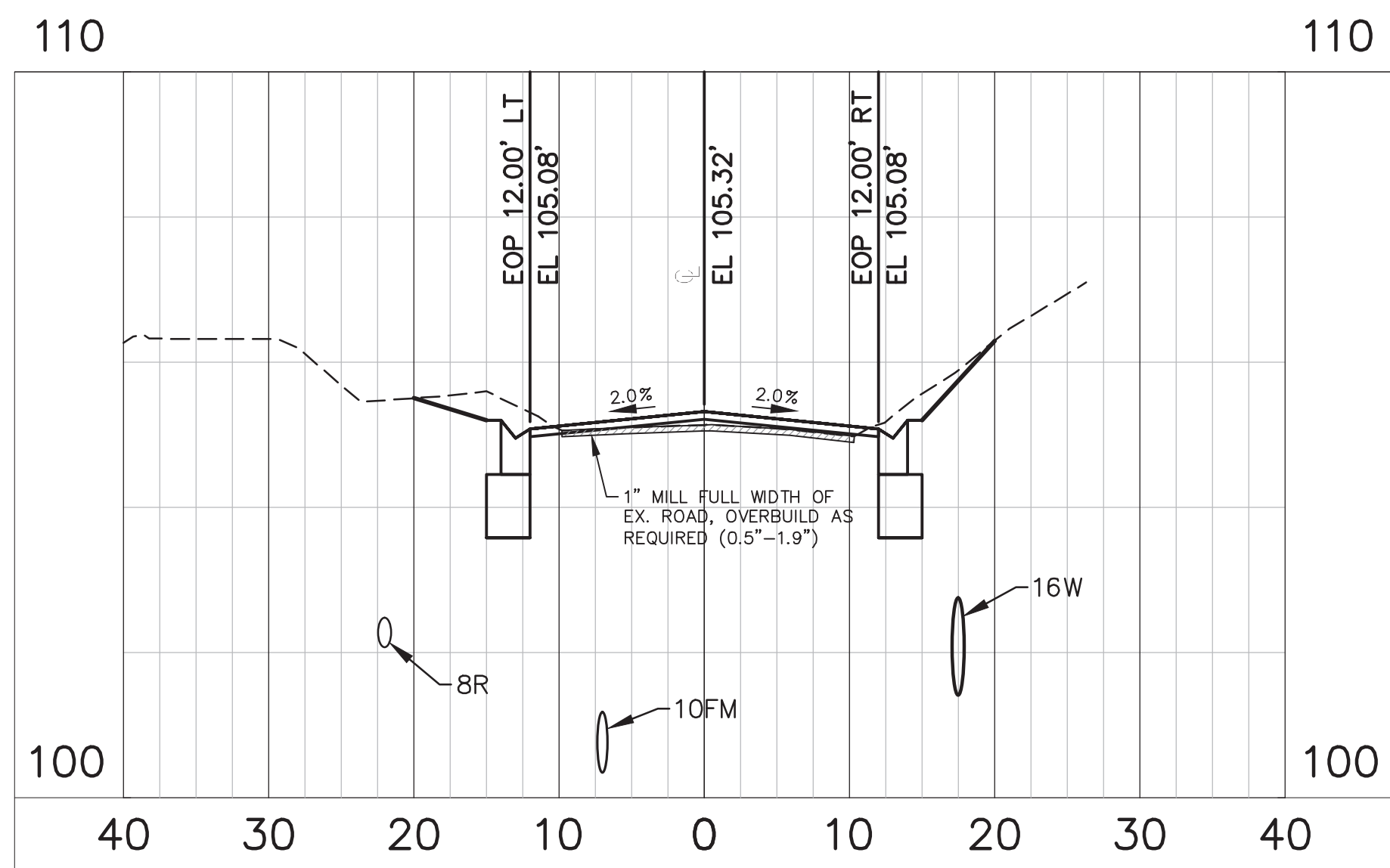
STA 14+00.00



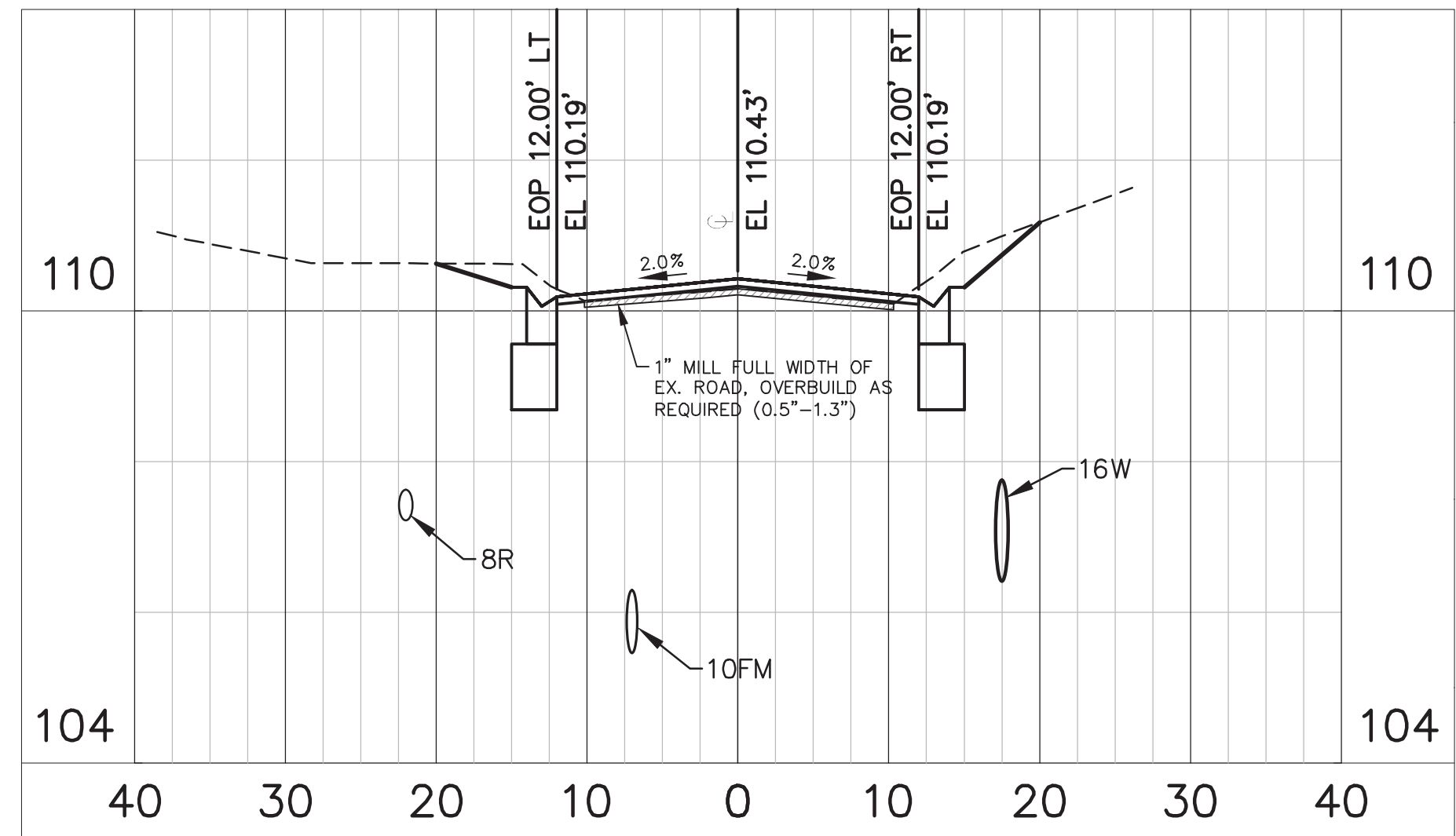
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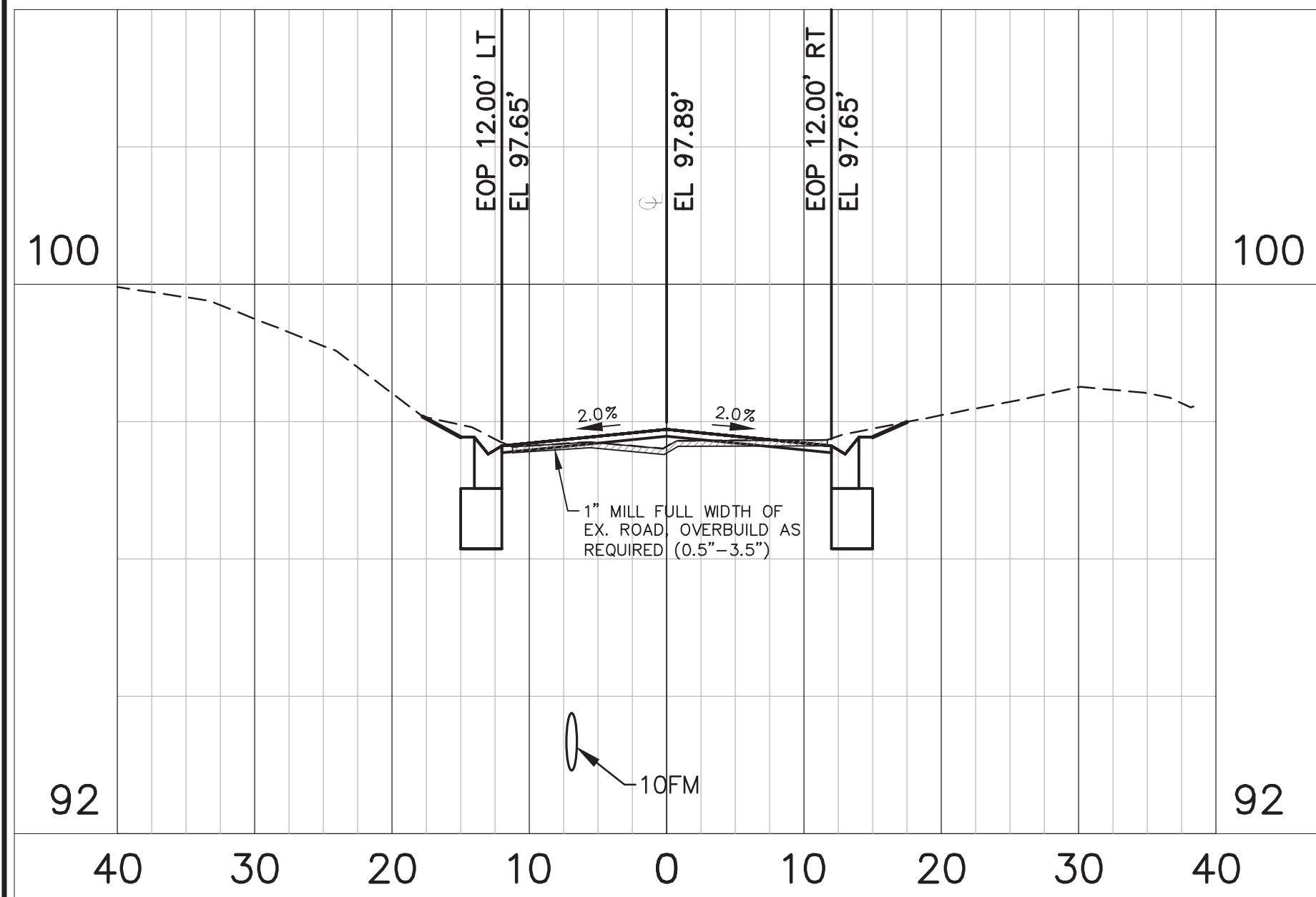
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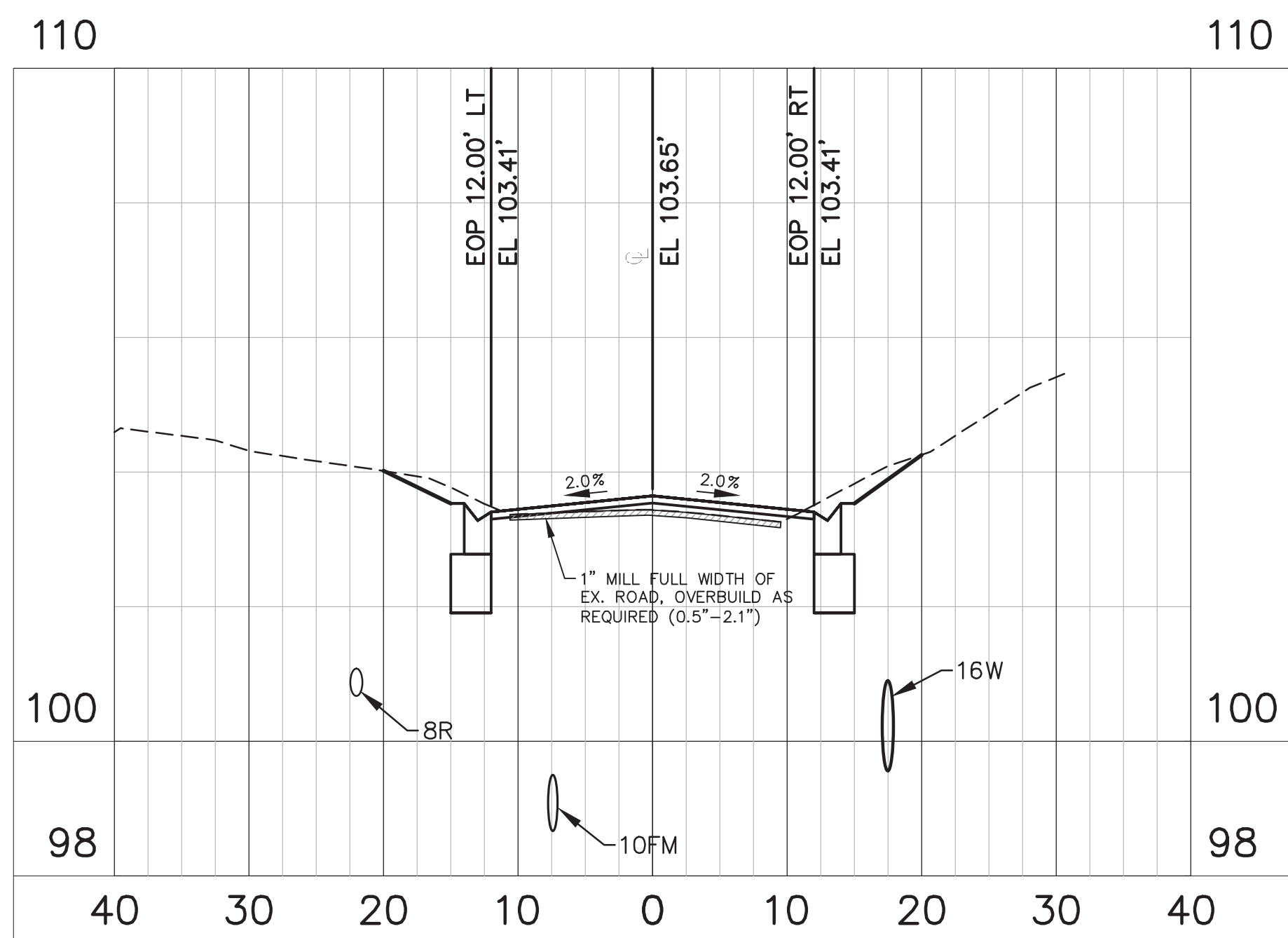
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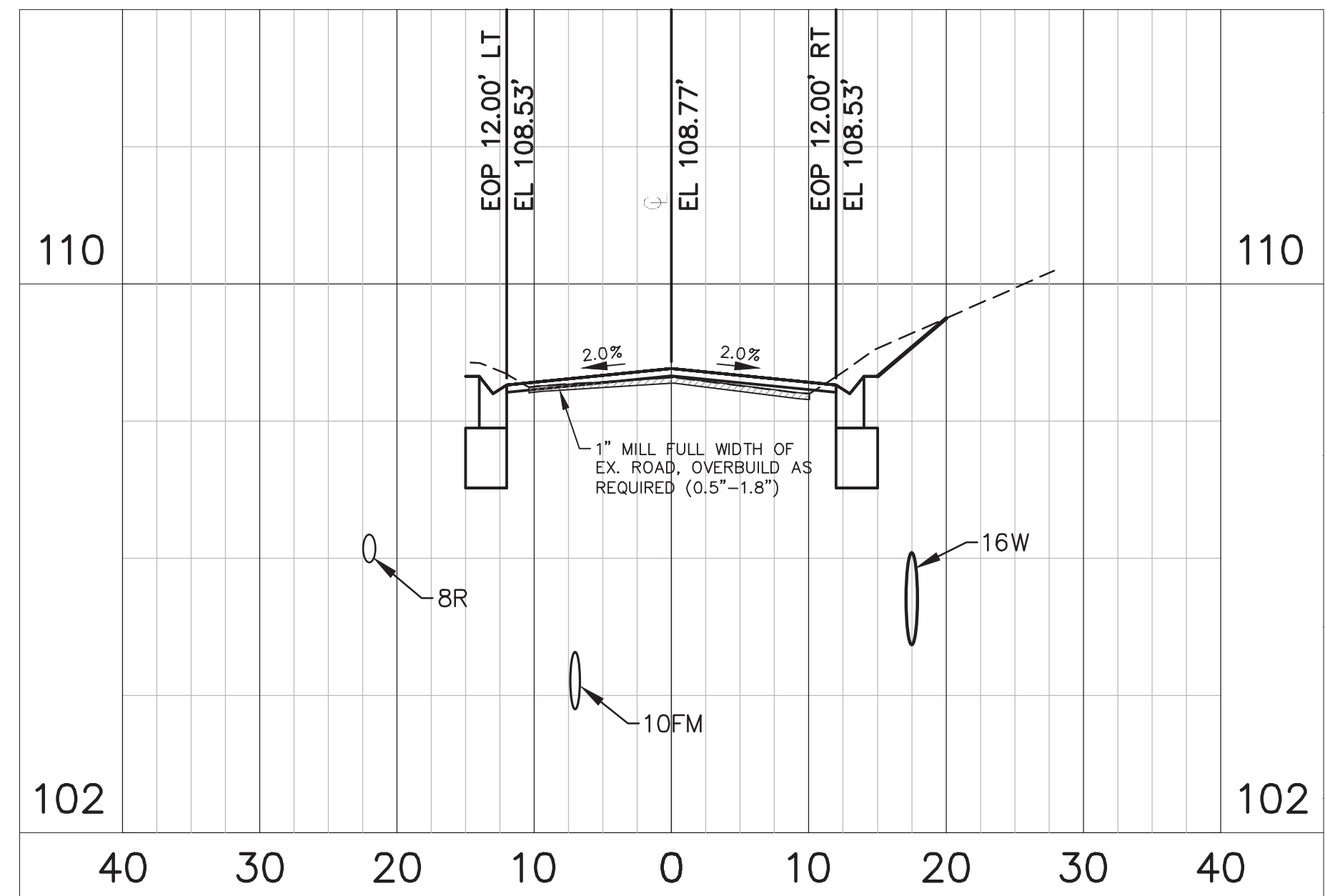
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STA 9+00.00



STA 12+00.00



STA 15+00.00

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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
ADD TURN LANE PER COUNTY	7/19/21
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

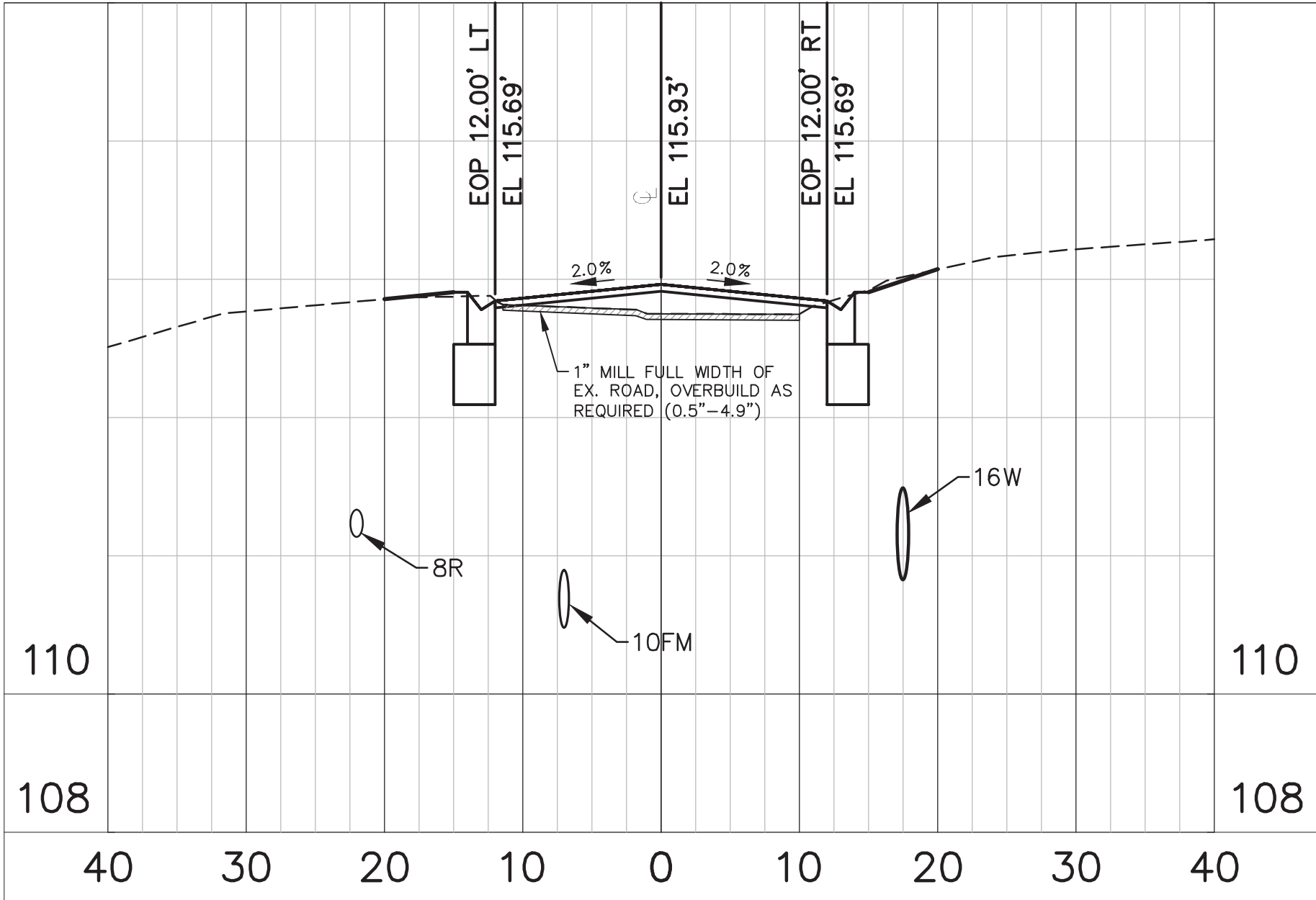
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

HOGSHEAD ROAD
SECTIONS

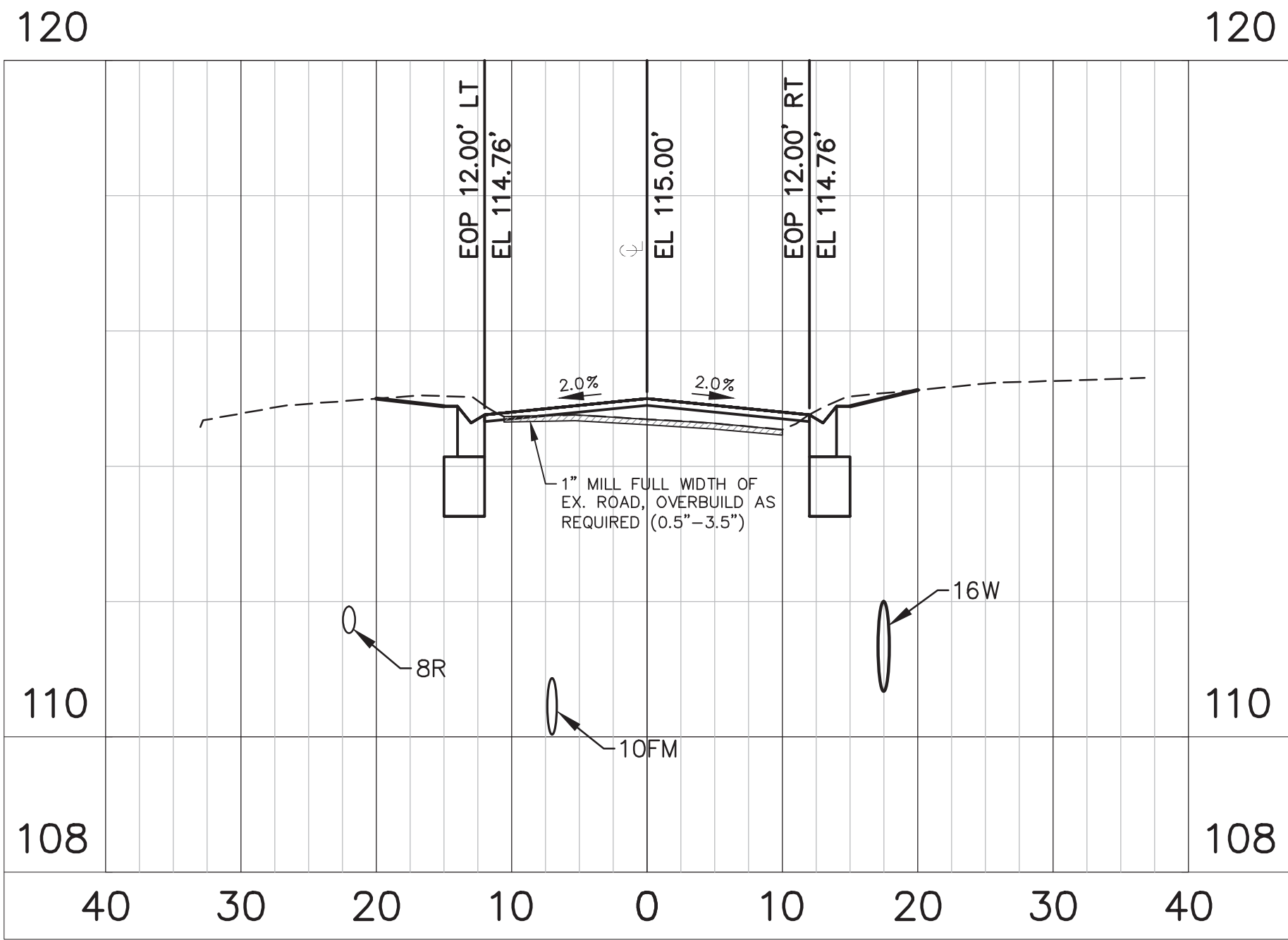
Sheet Number

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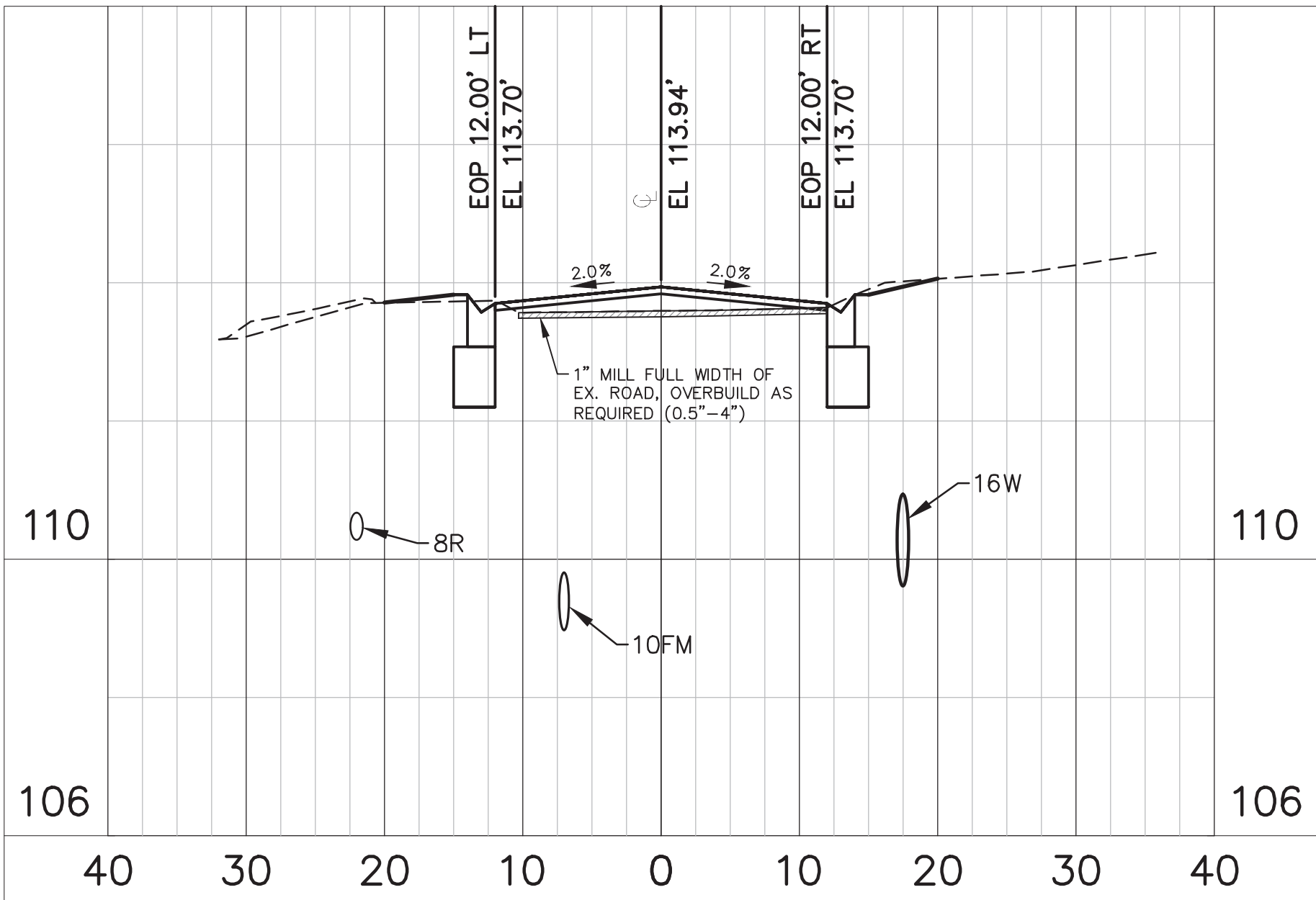
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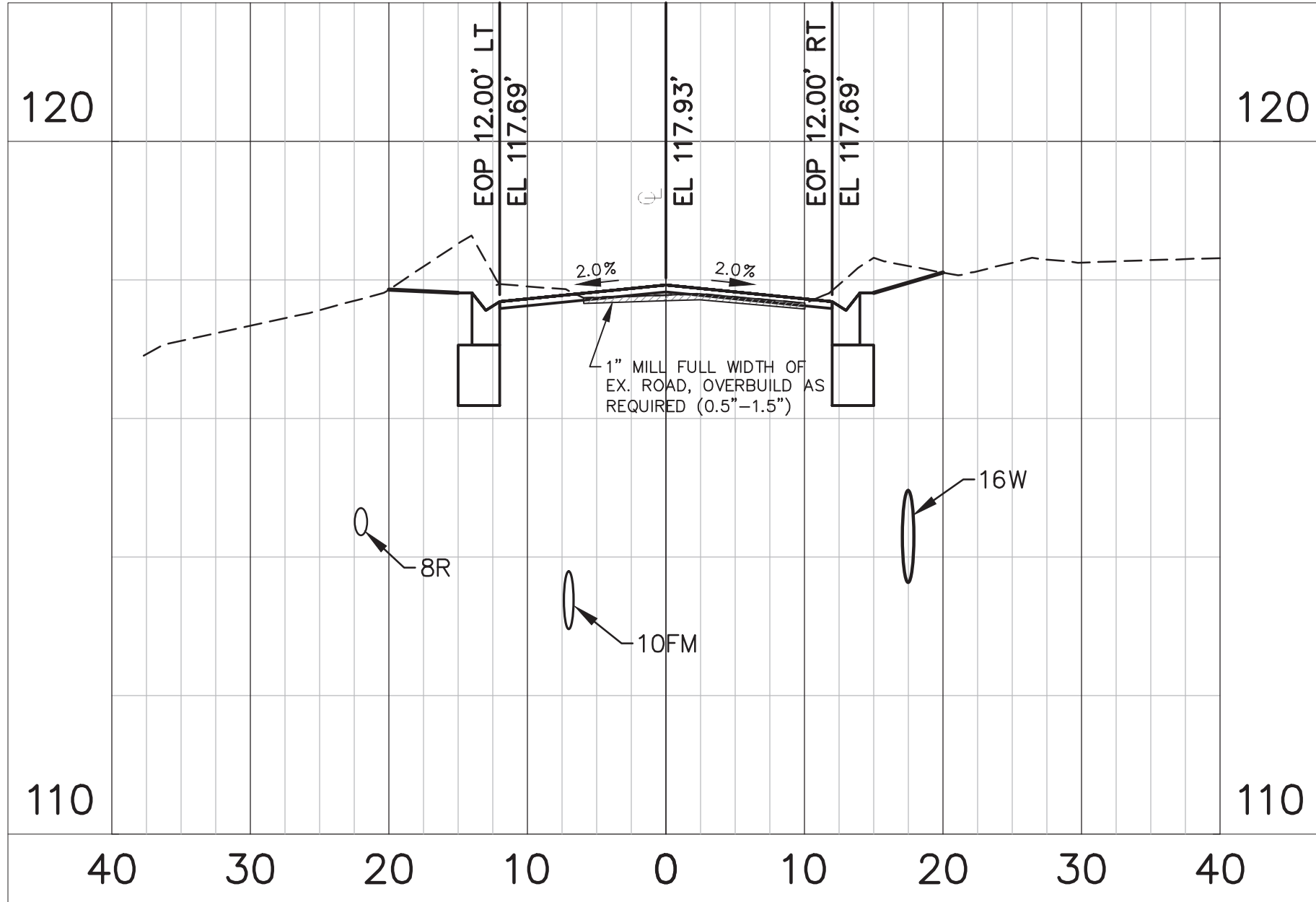
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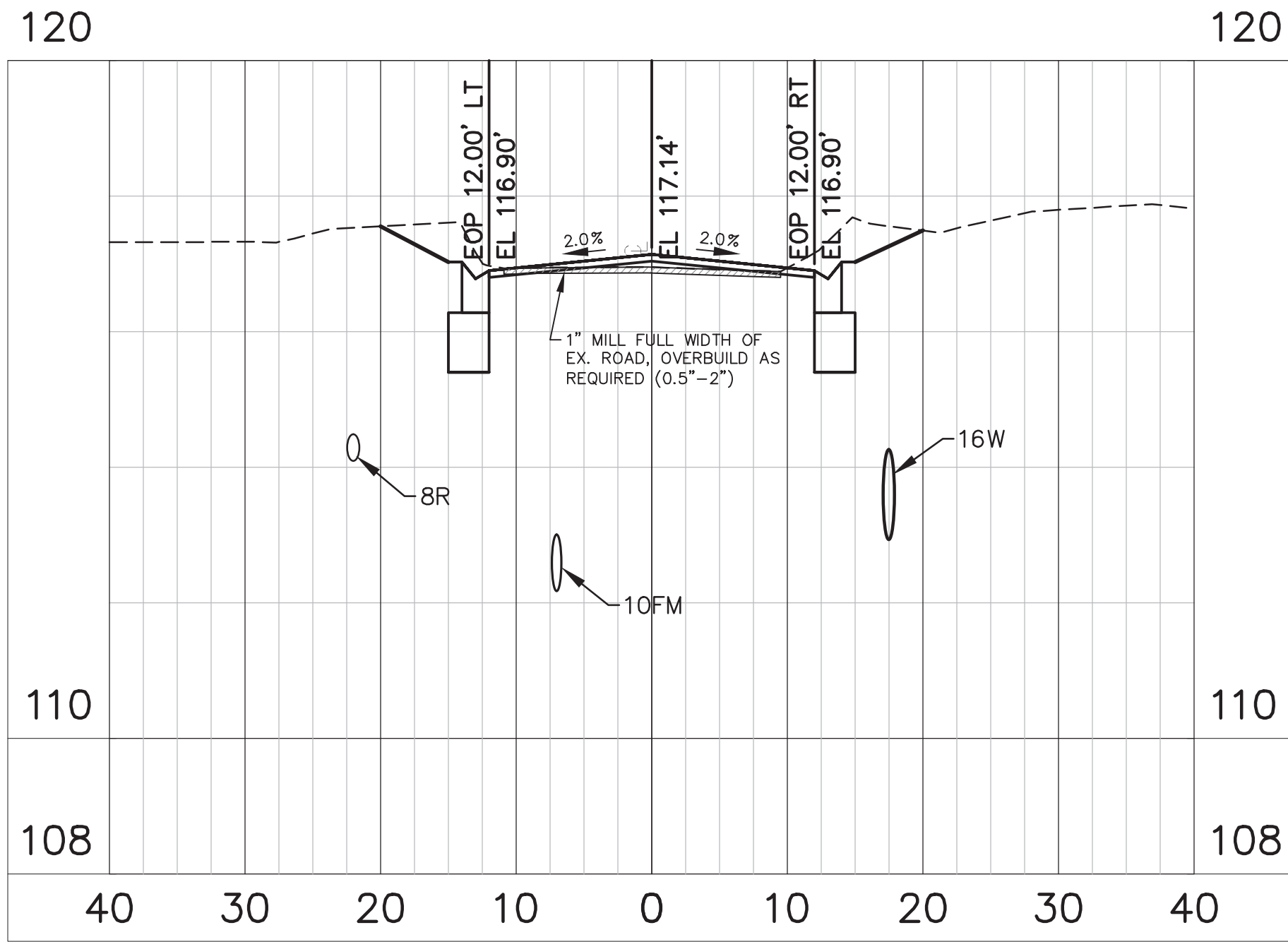
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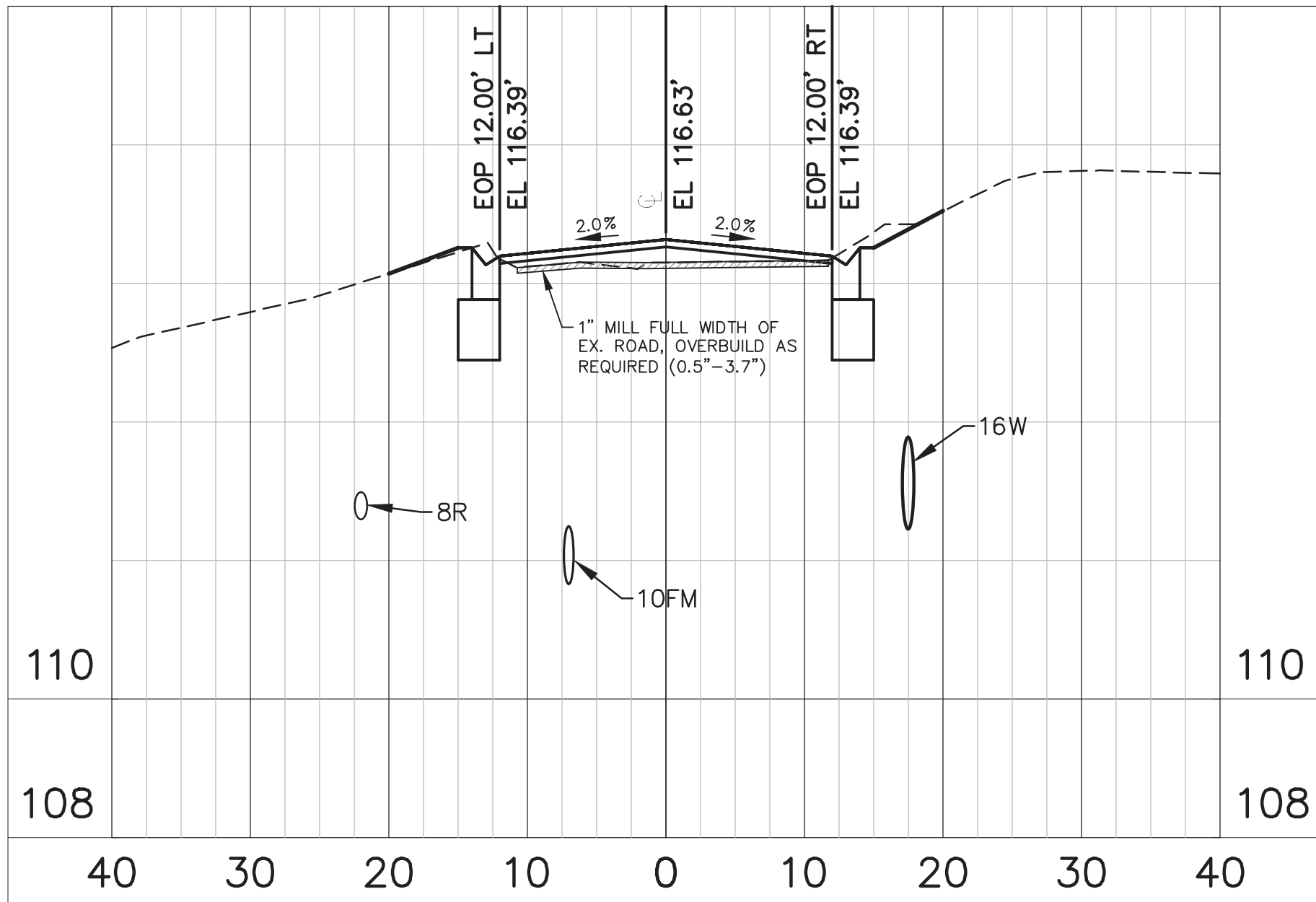
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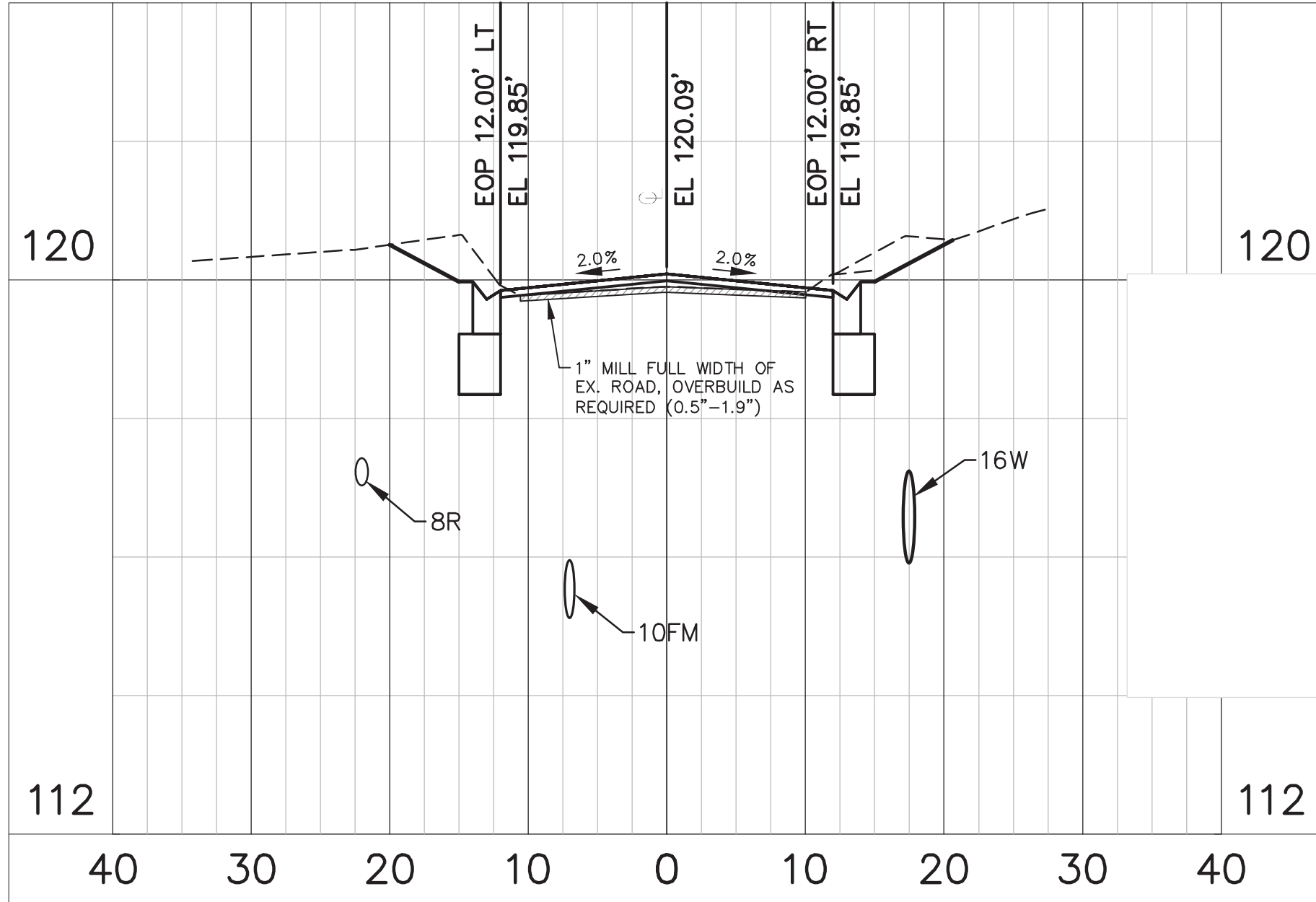
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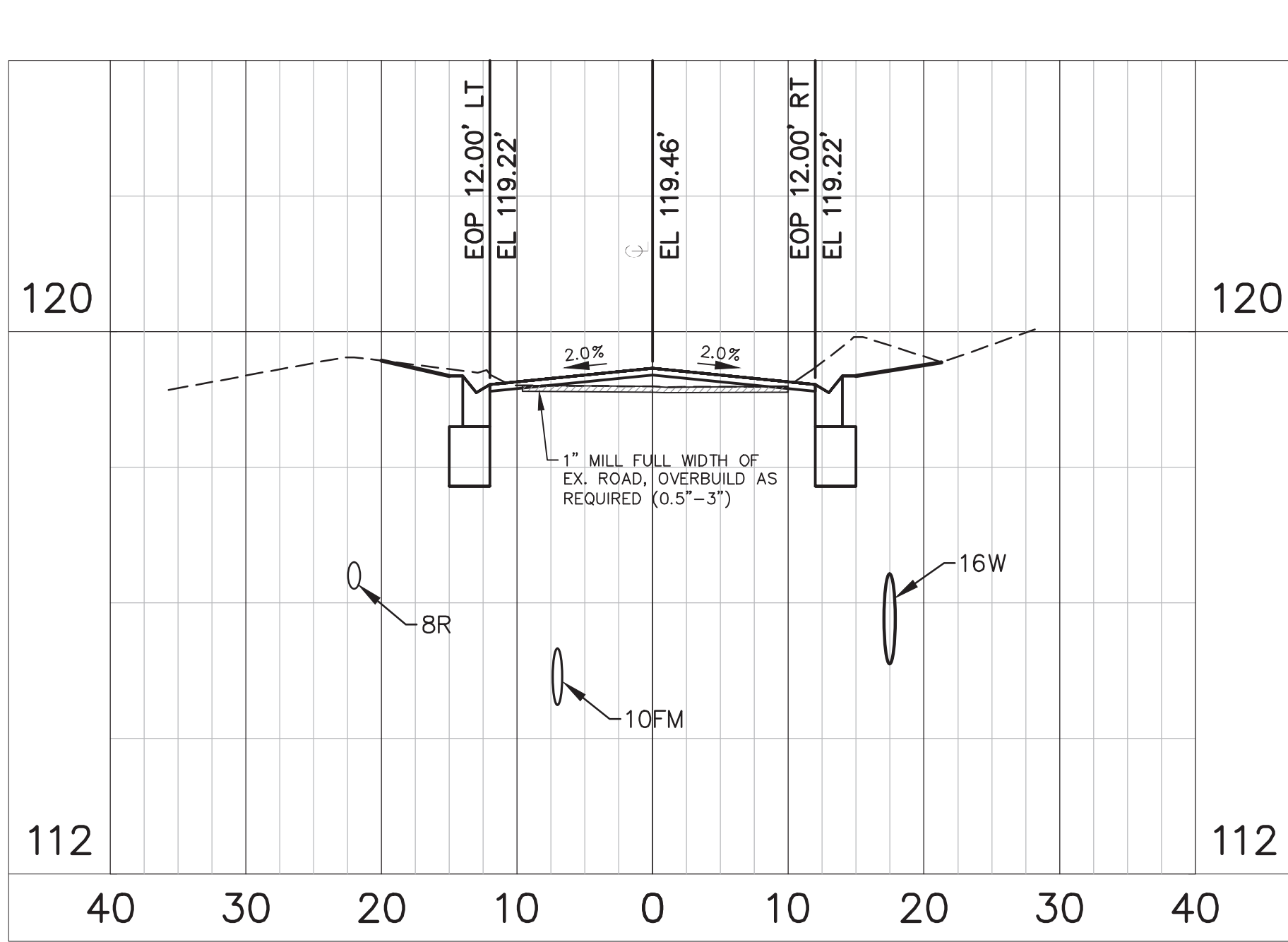
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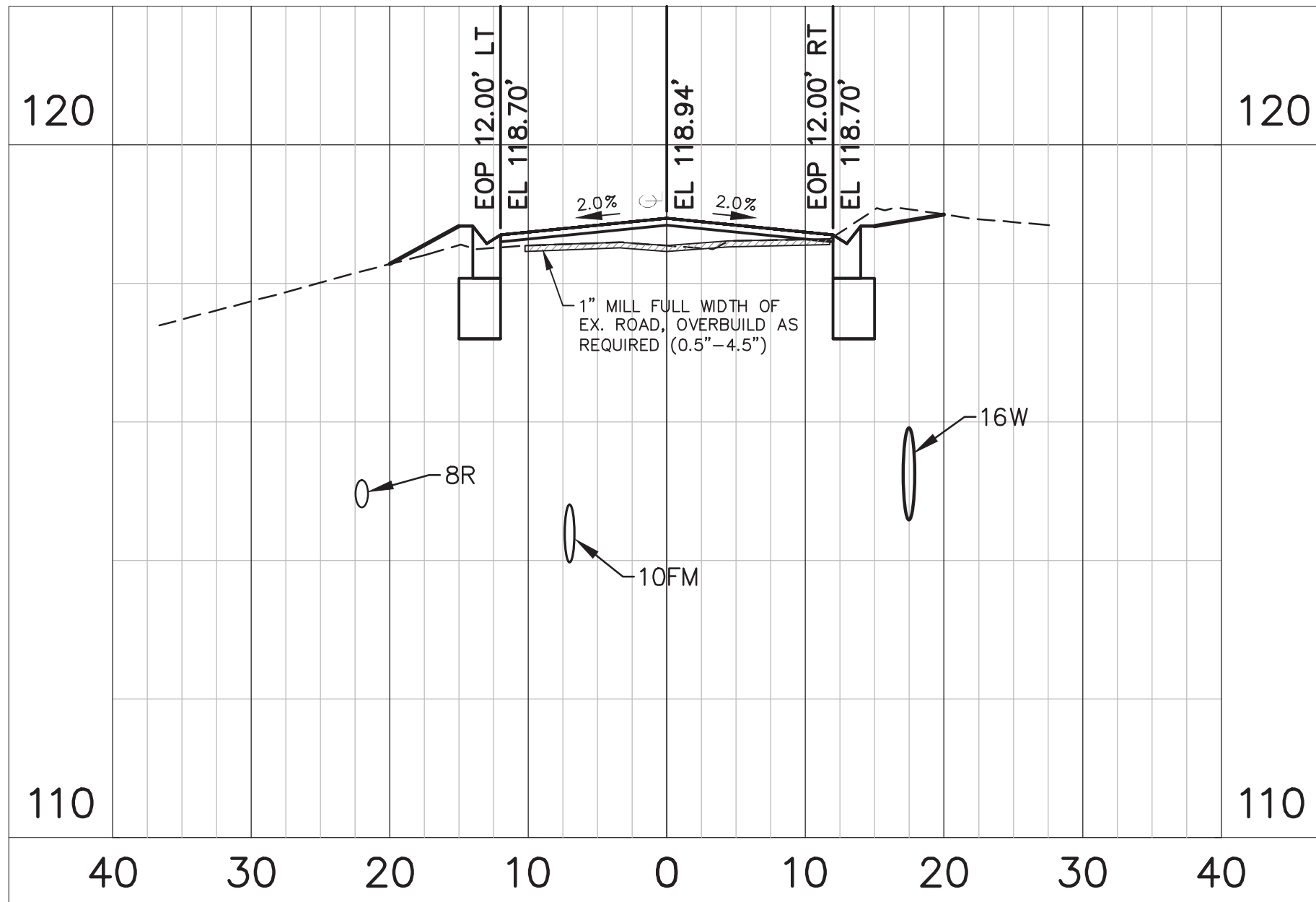
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STA 25+00.00



STA 24+00.00

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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOKA, FLORIDA

DOCUMENT CHANGES

Description	Date
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/ MAB / MAB Checked By JTT

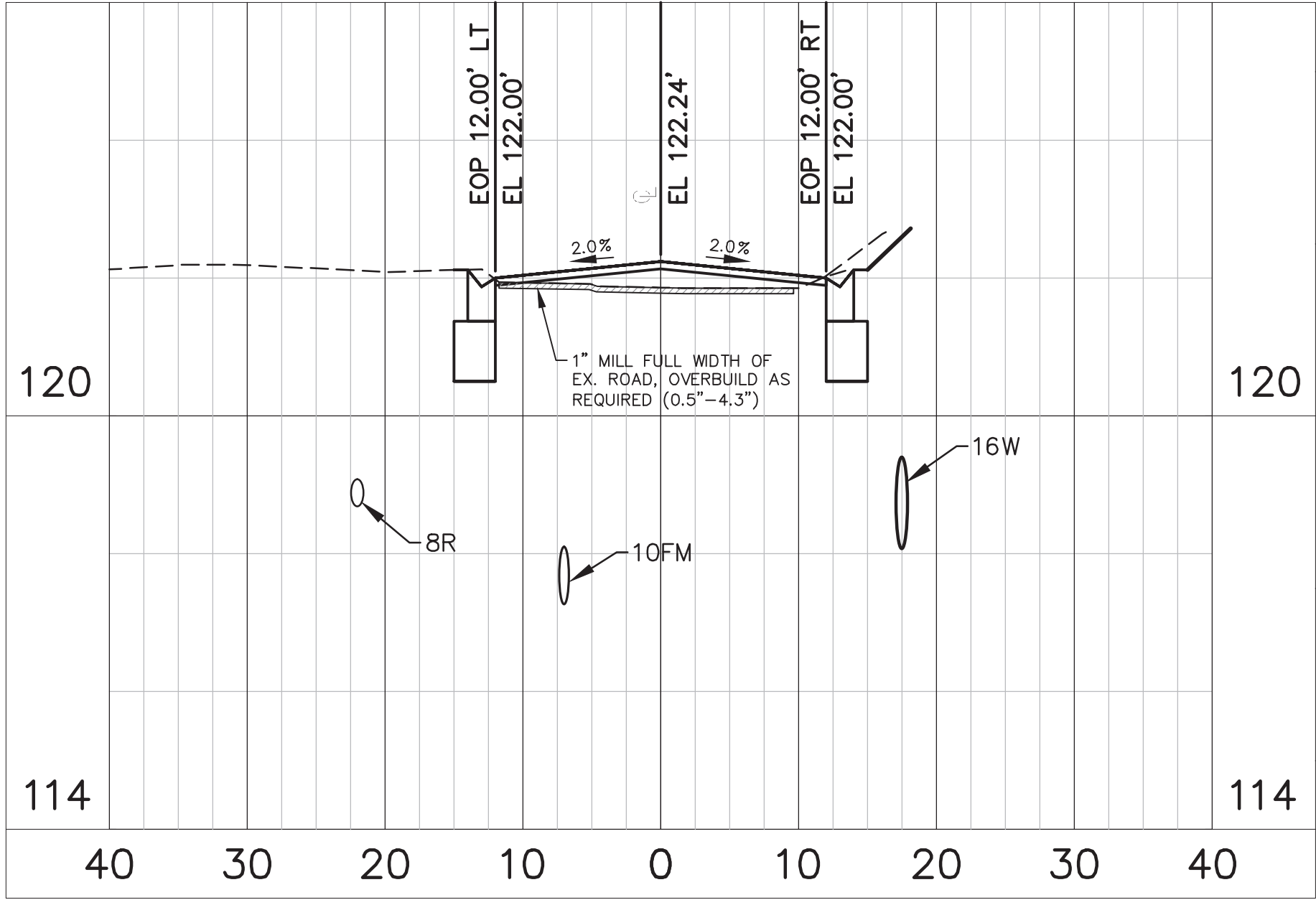
Drawing Title

HOGSHEAD ROAD
SECTIONS

Sheet Number

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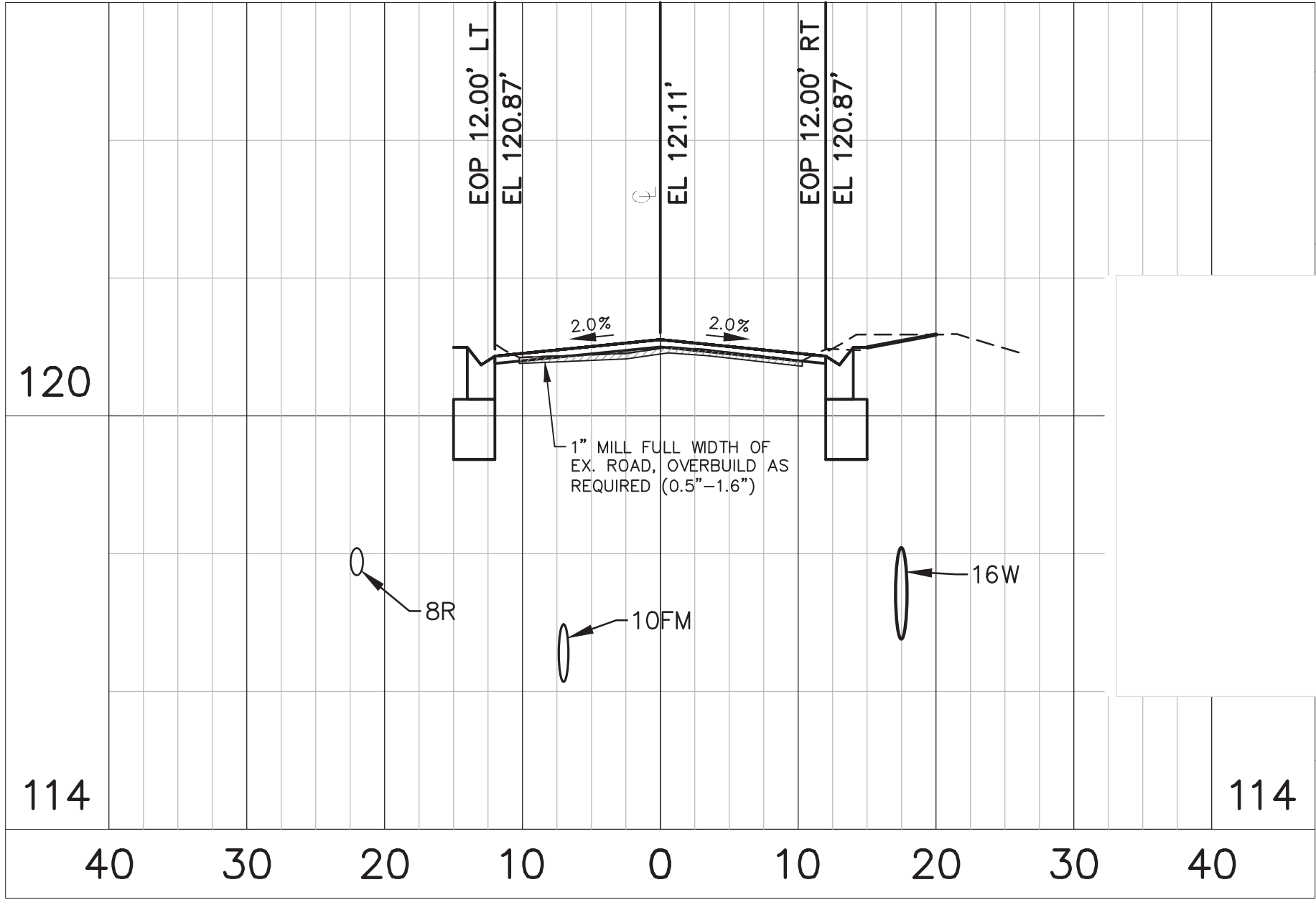
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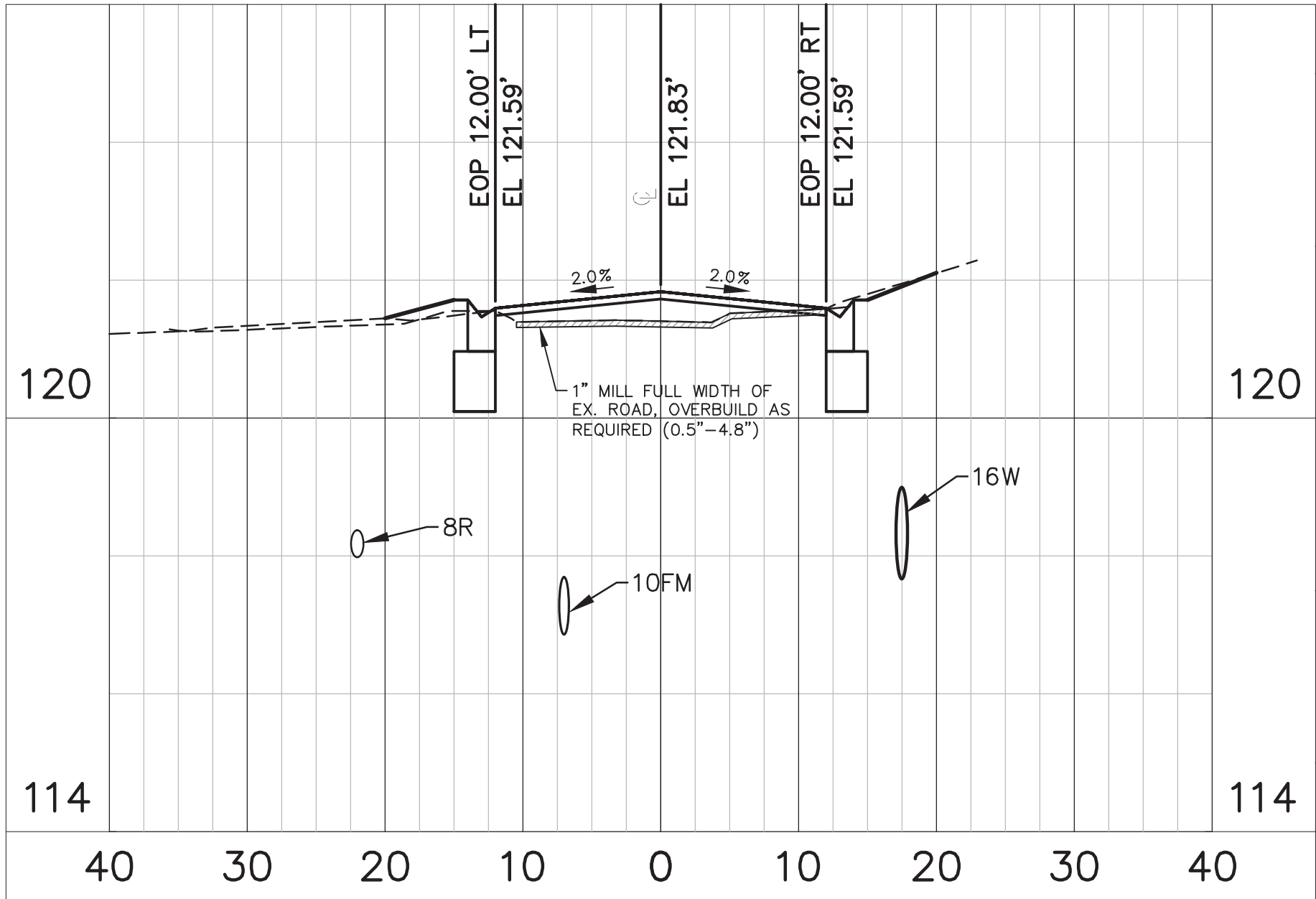
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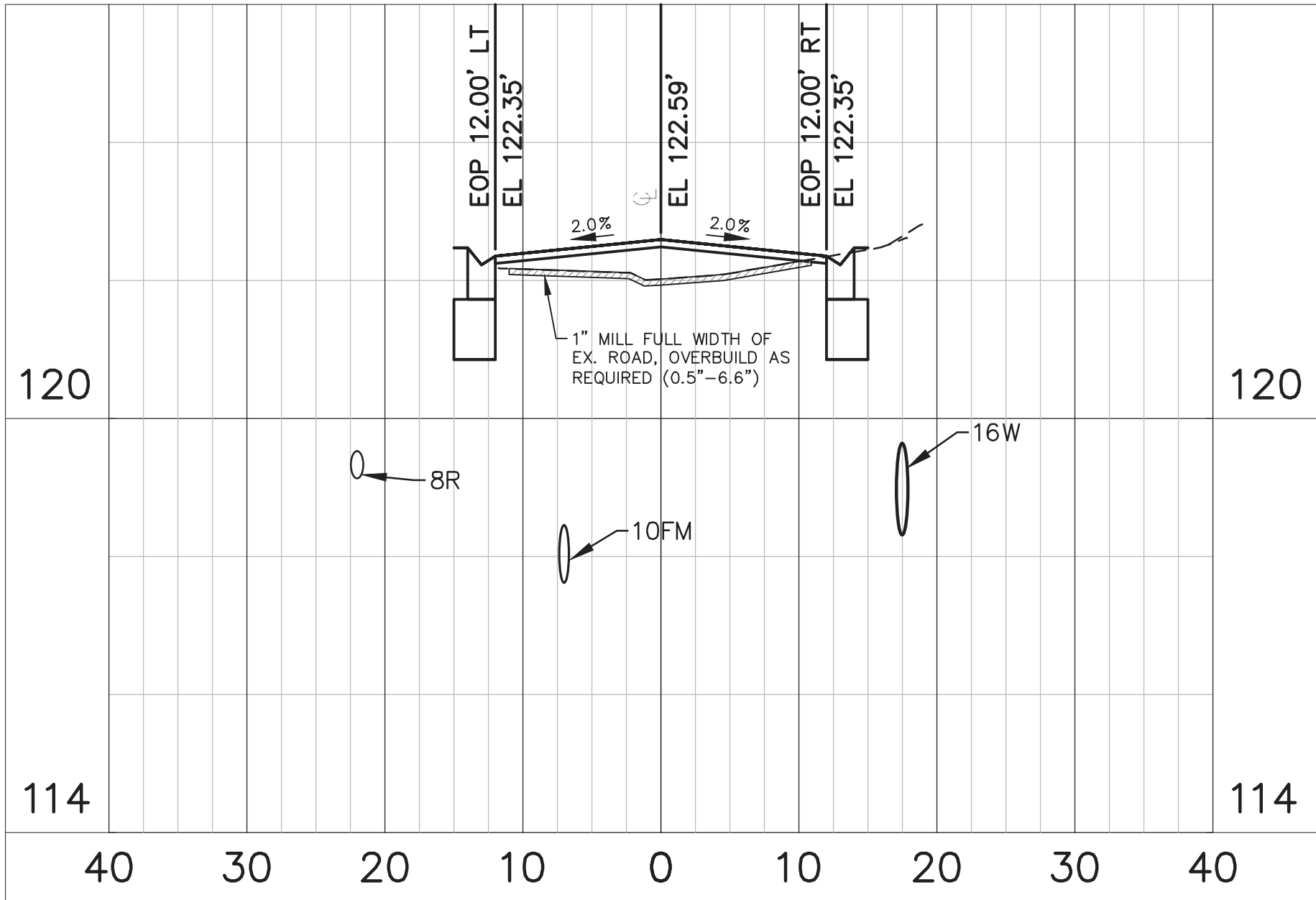
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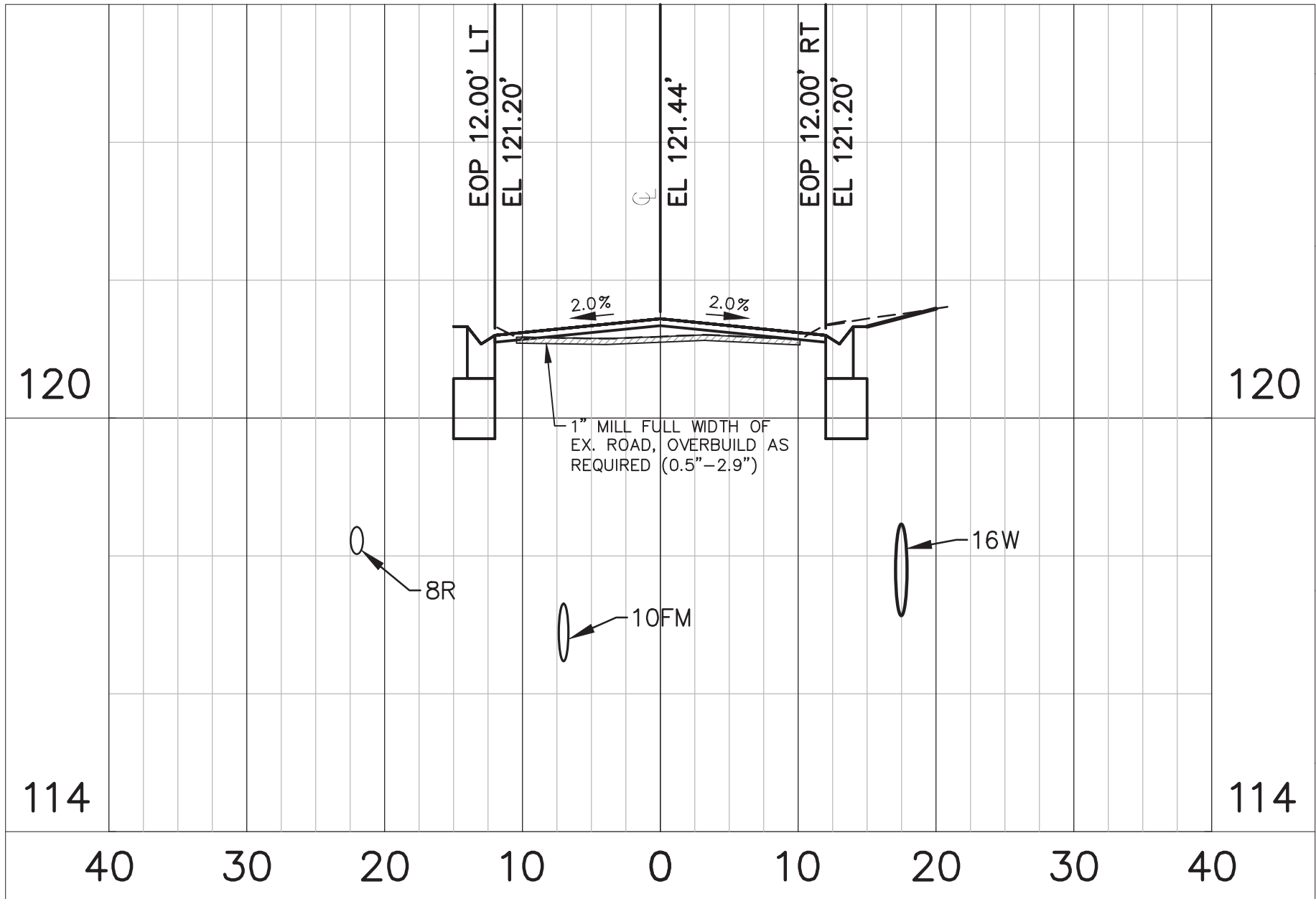
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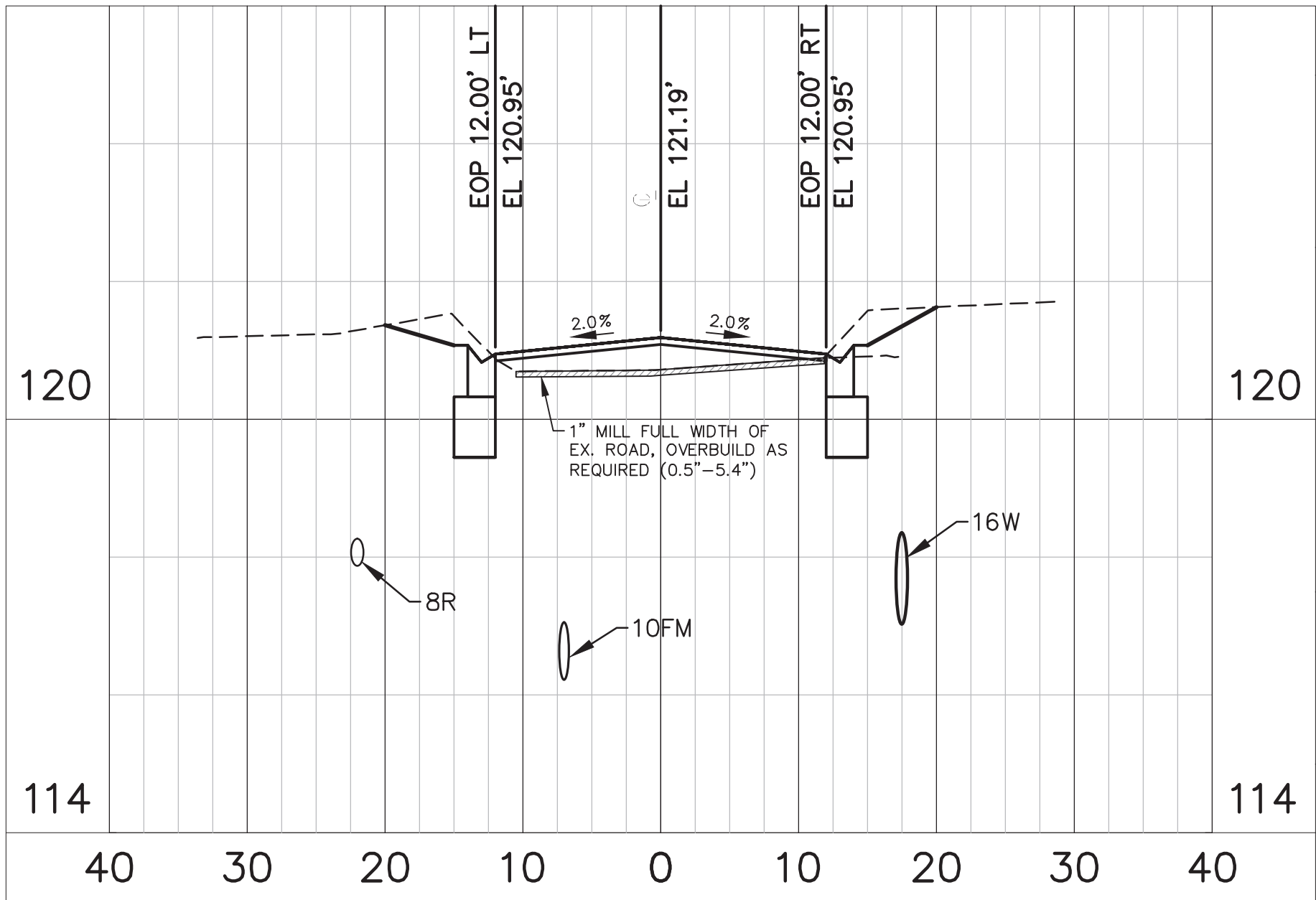
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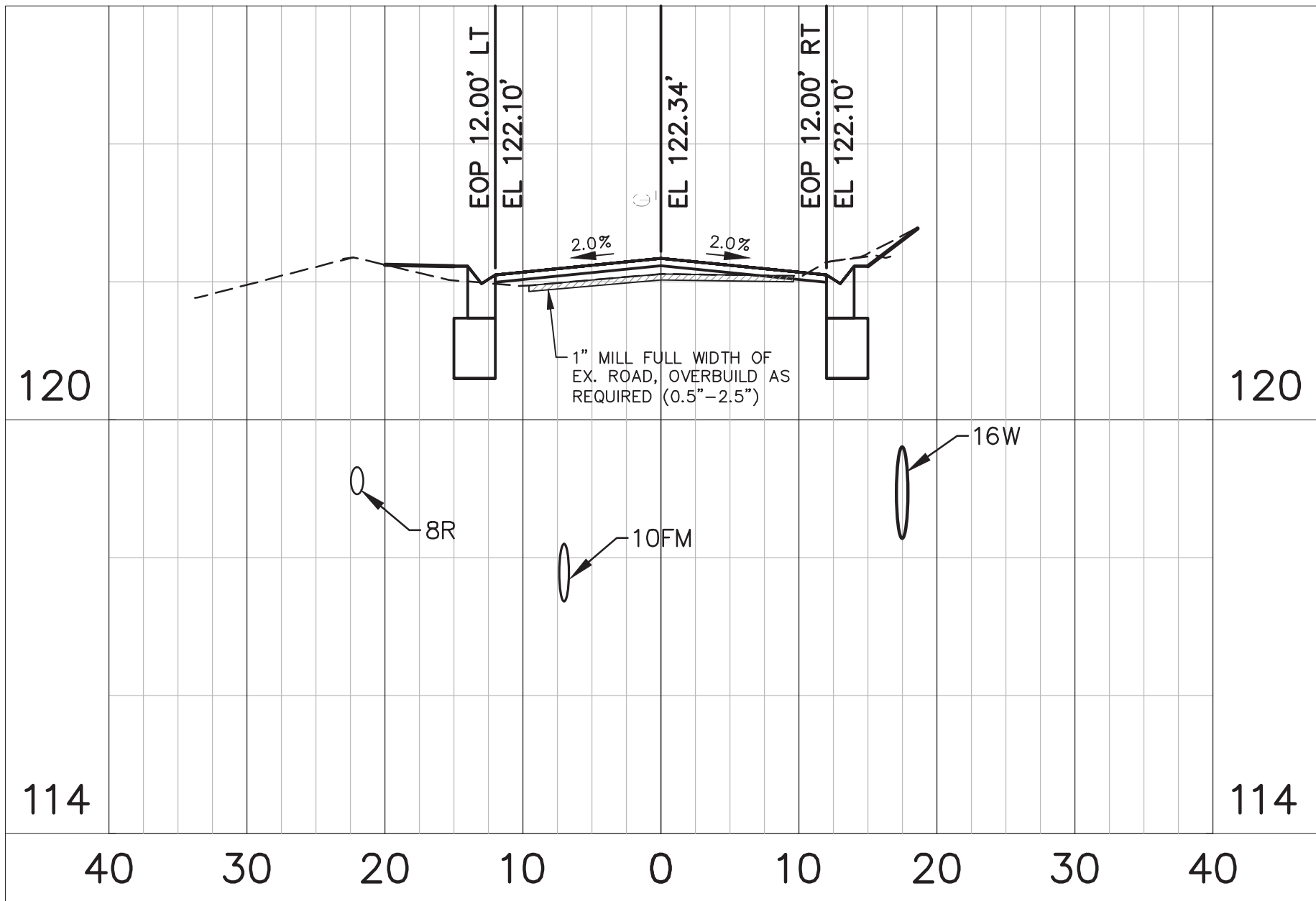
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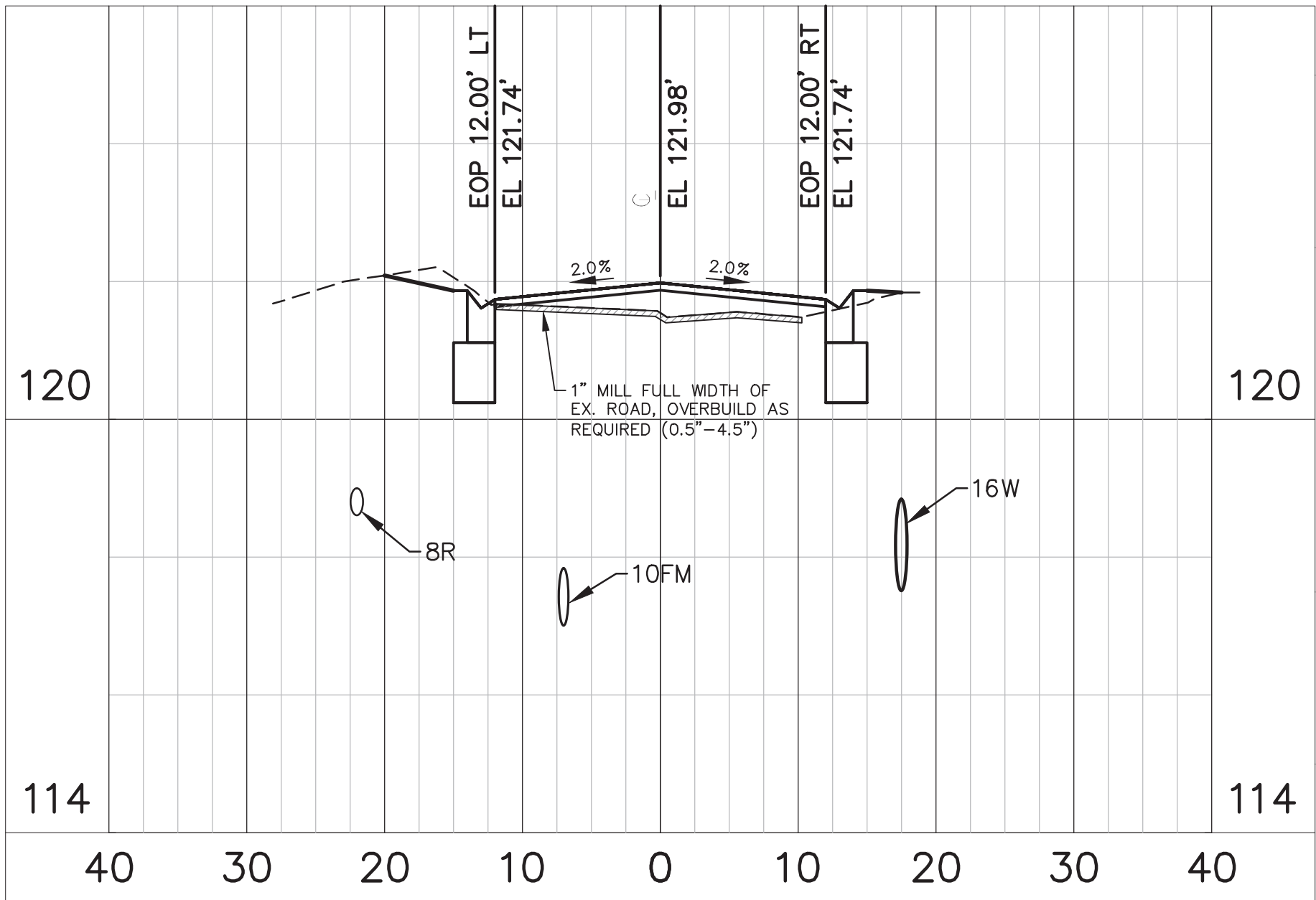
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STA 30+00.00



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
NEW BLDG, REVISED PHASE 1	9/23/24

Issue Description

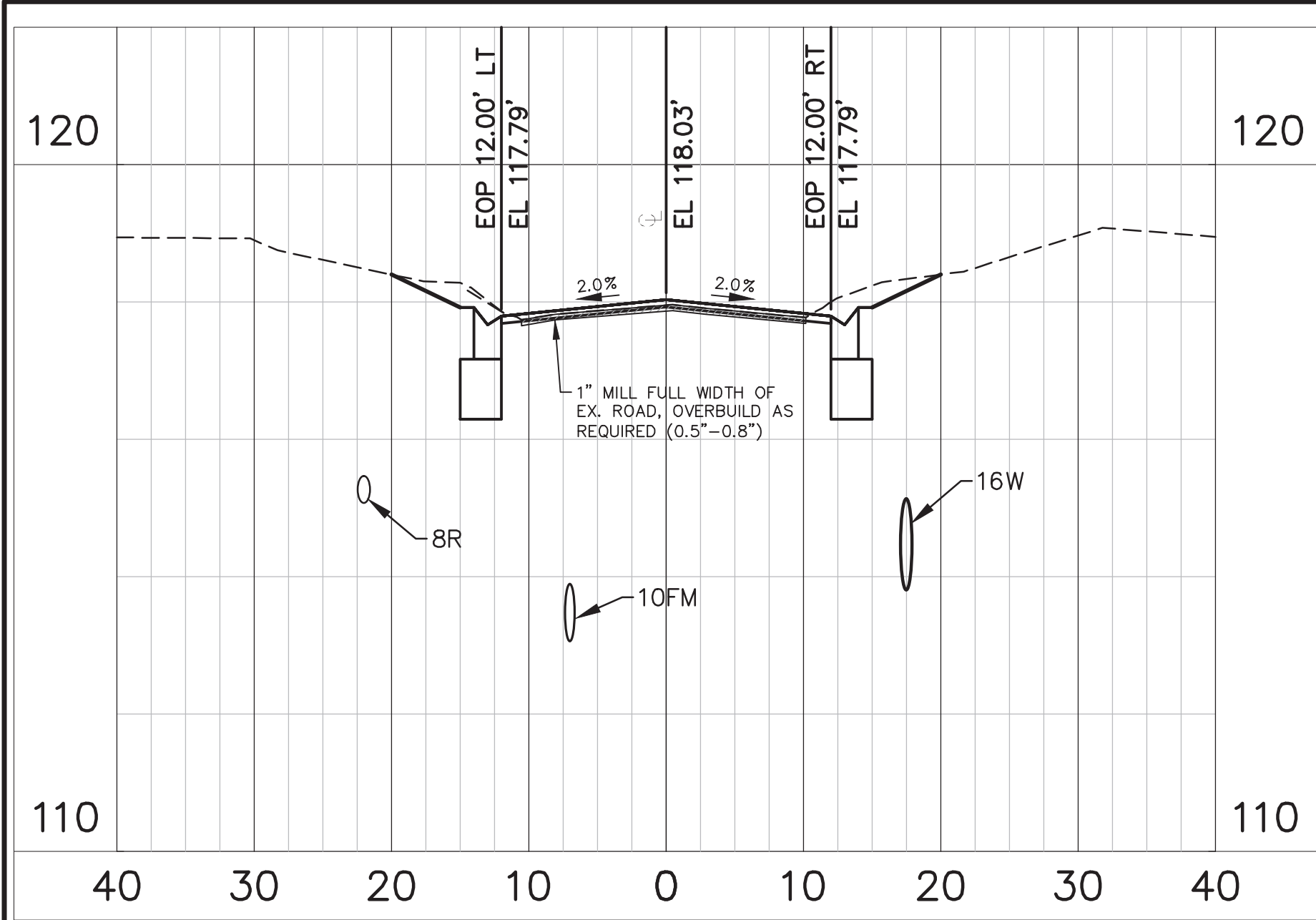
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Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

HOGSHEAD ROAD
SECTIONS

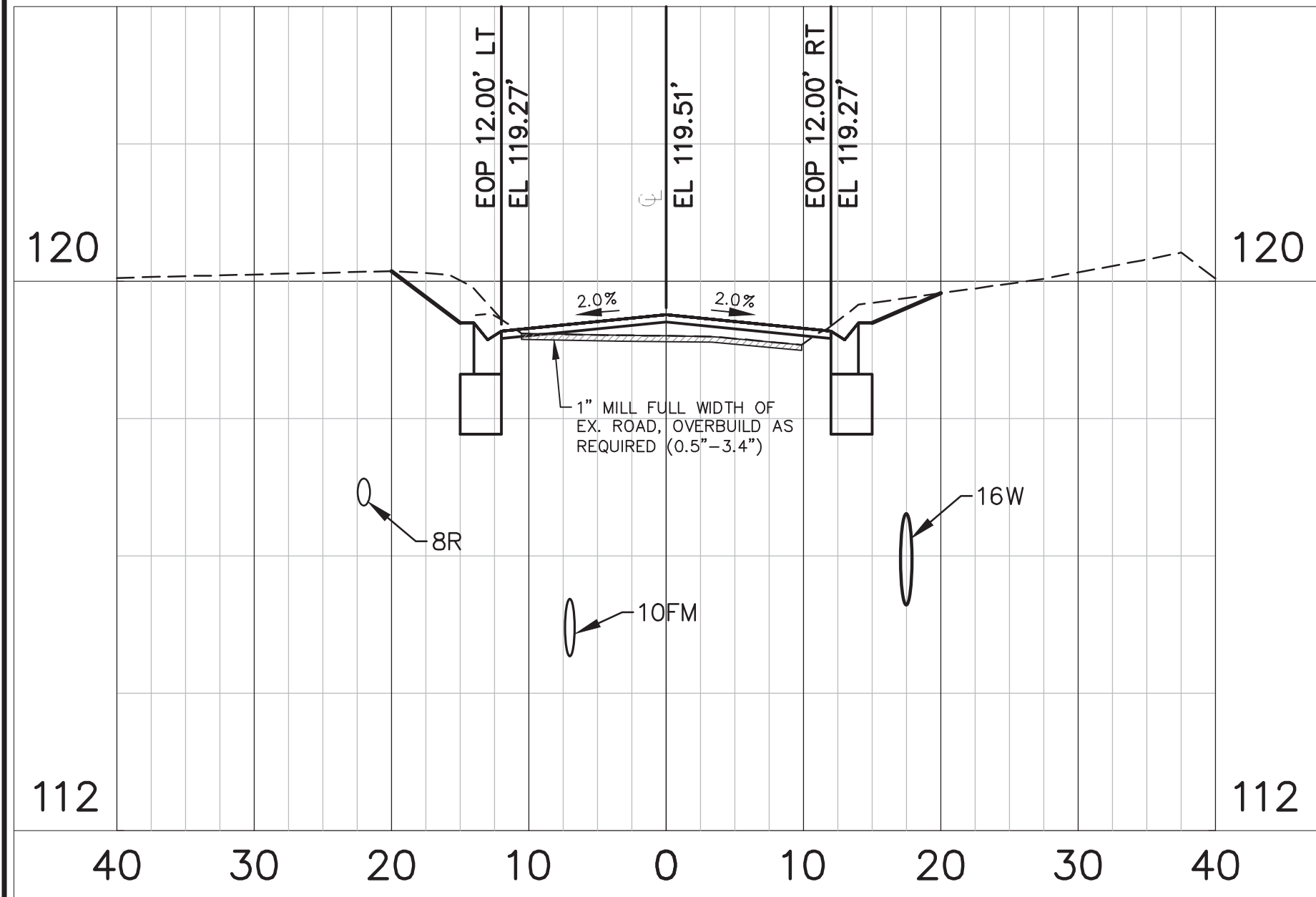
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25 OF 36

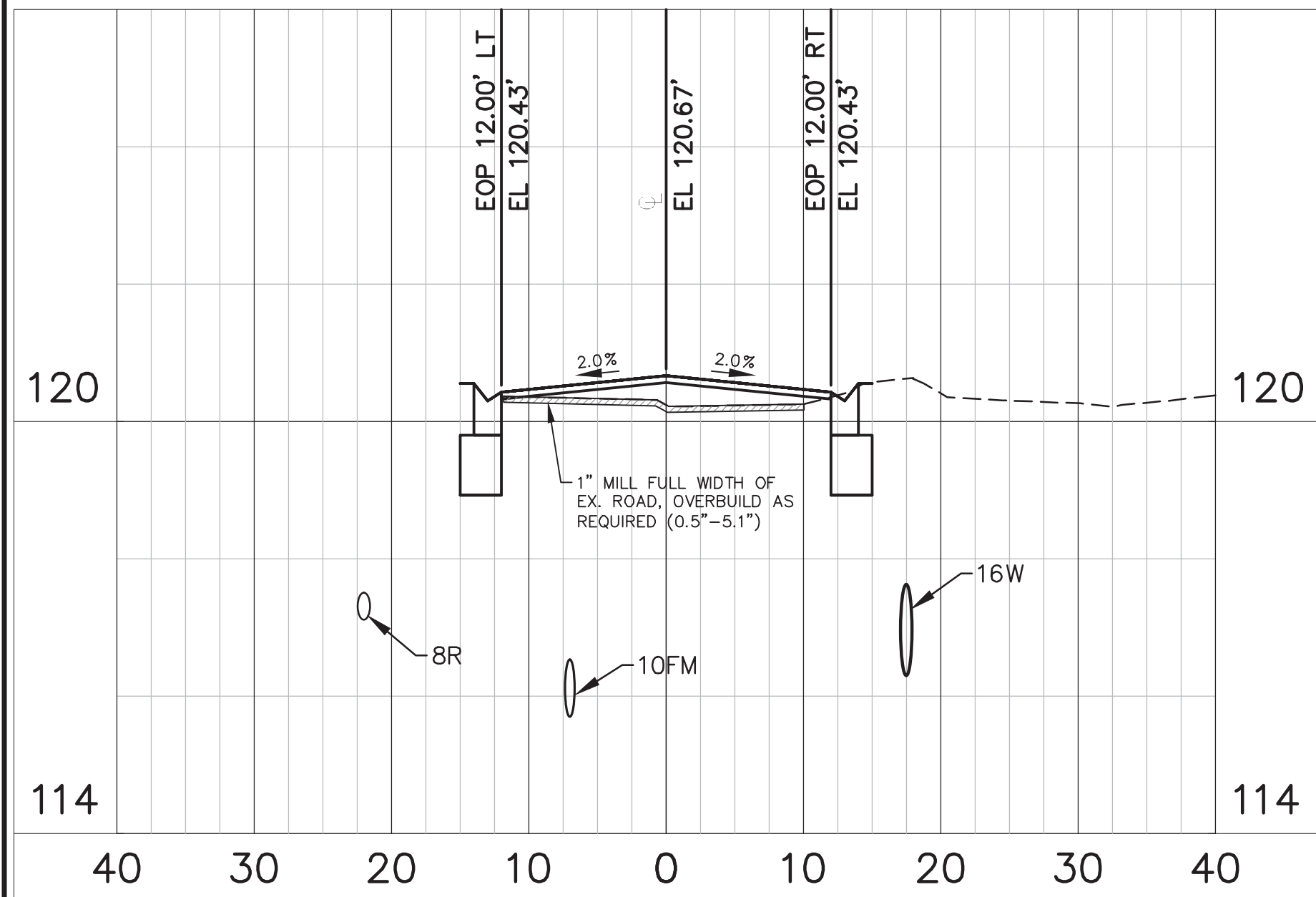
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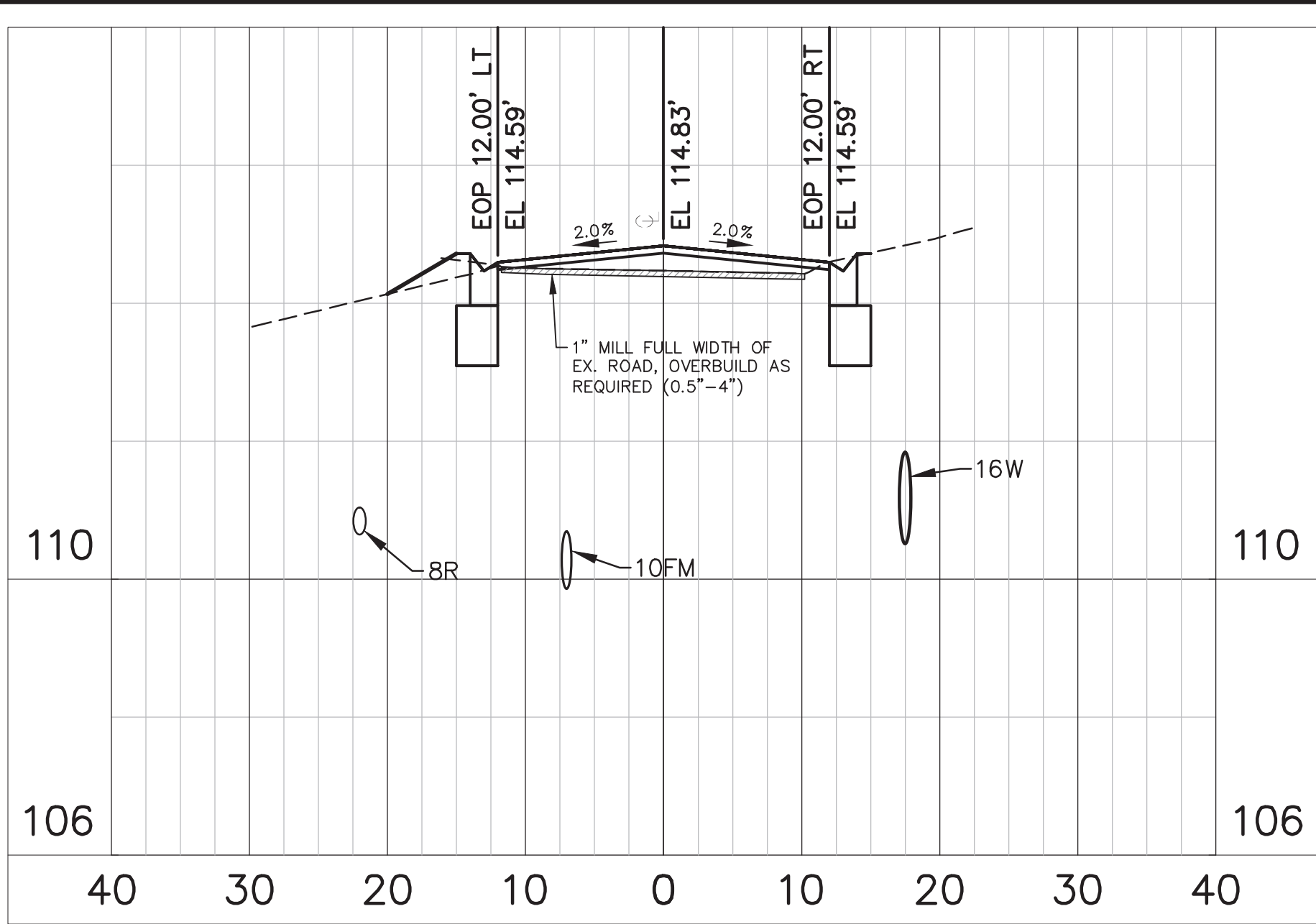
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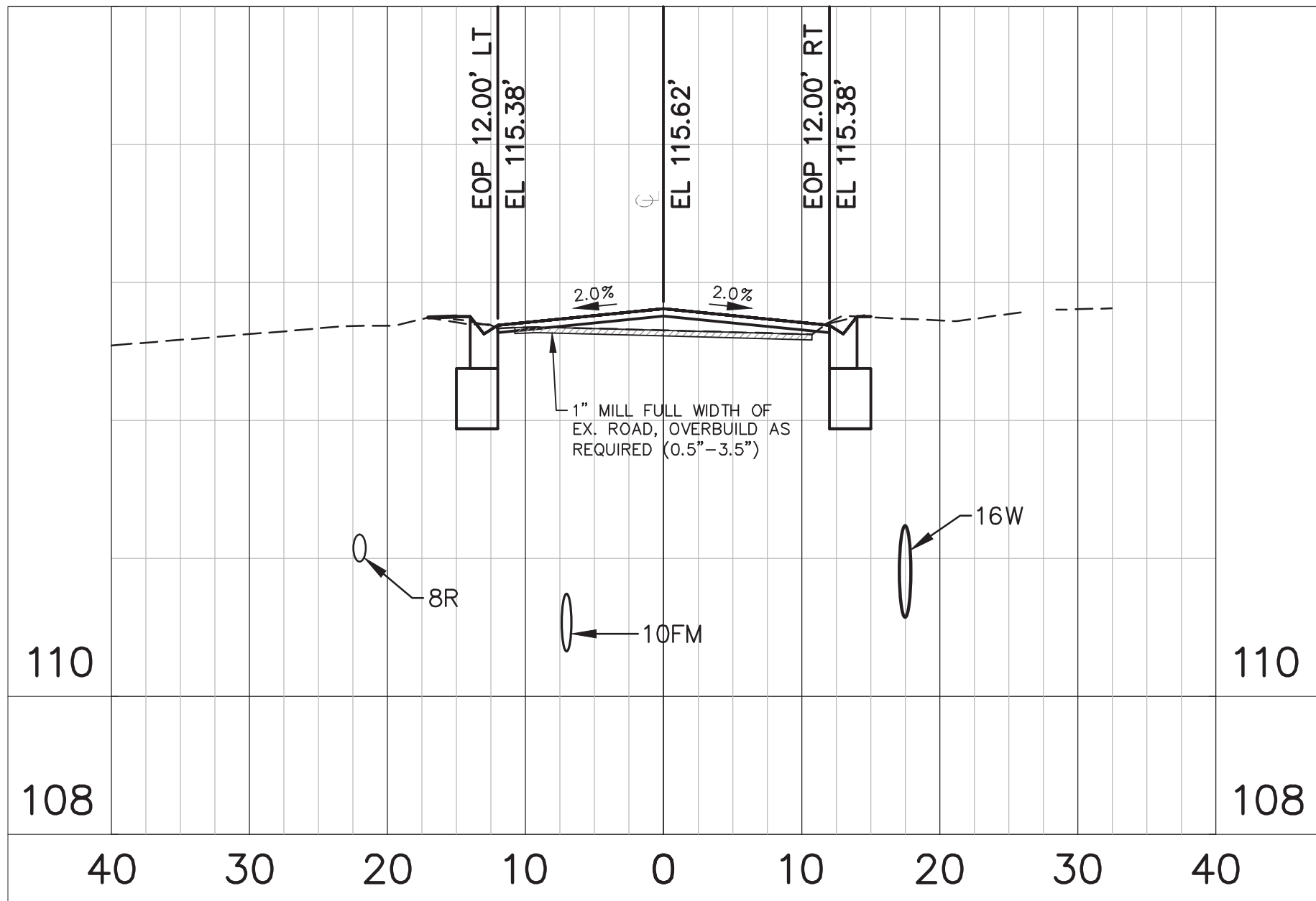
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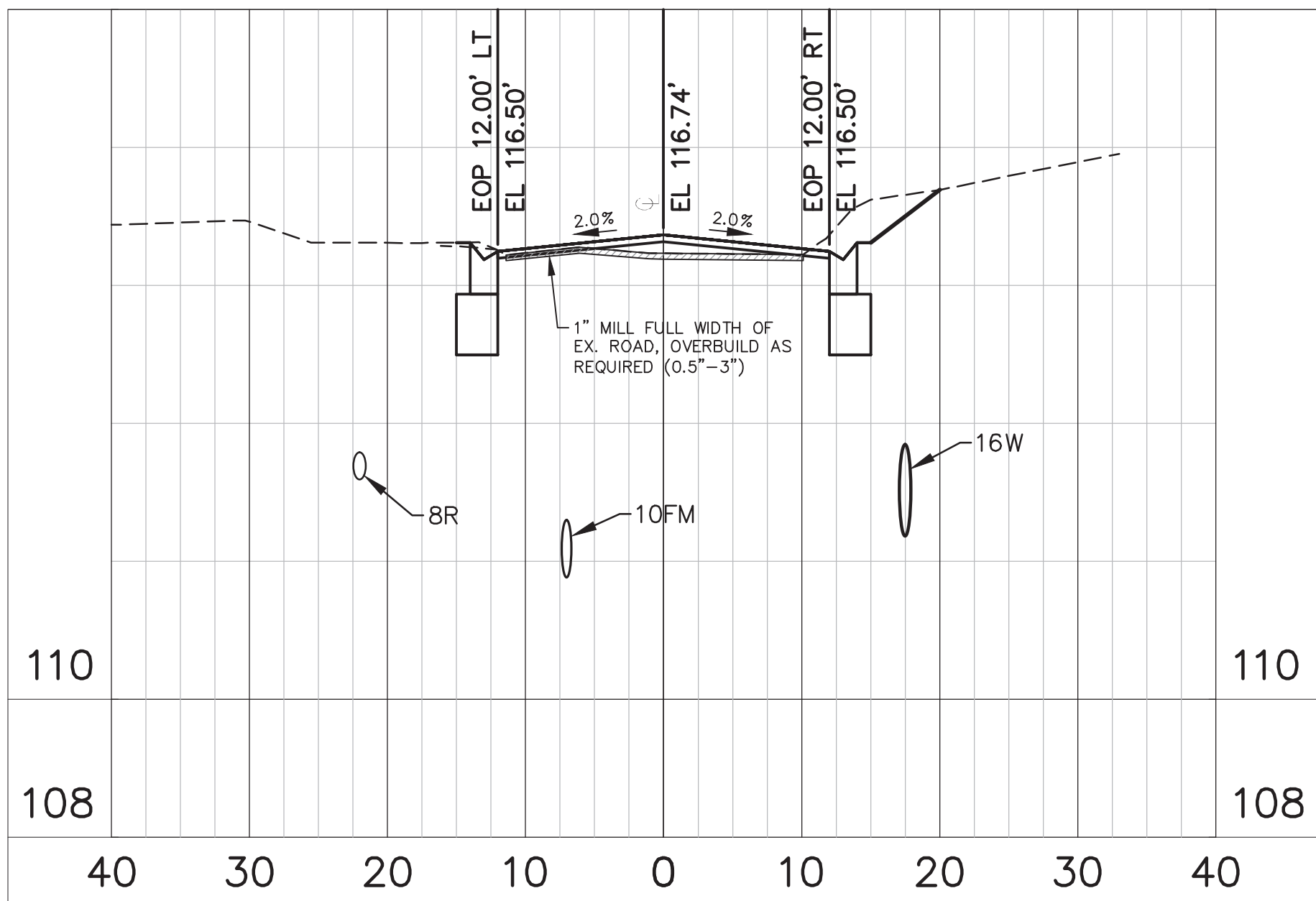
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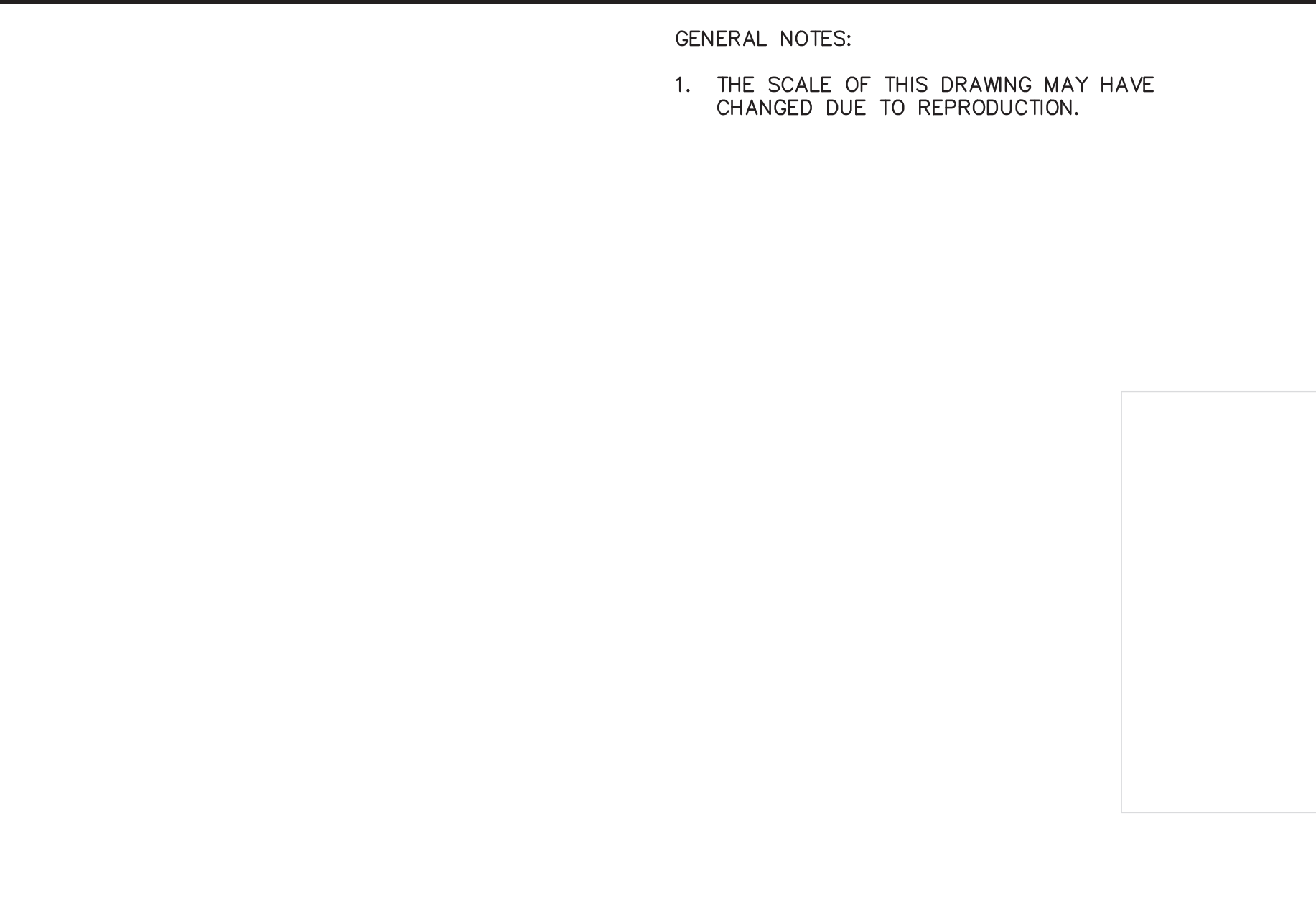
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STA 42+00.00

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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
NEW BLDG, REVISED PHASE 1	9/23/24

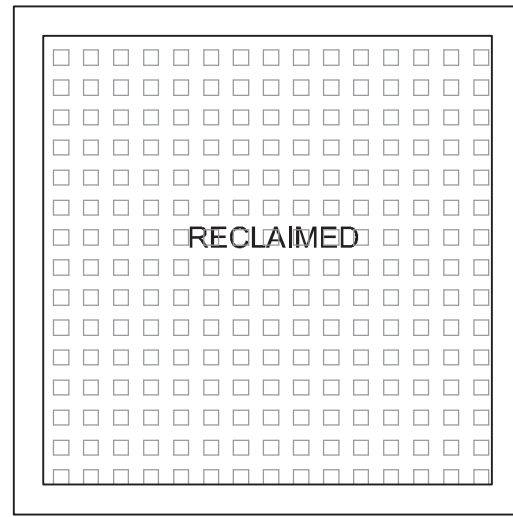
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Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

HOGSHEAD ROAD
SECTIONS

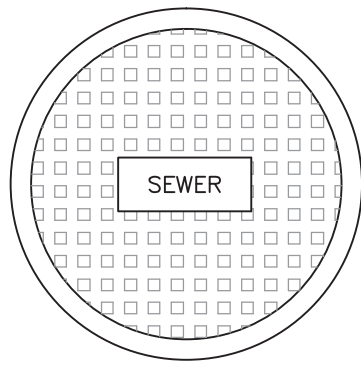
Sheet Number

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26 OF 36

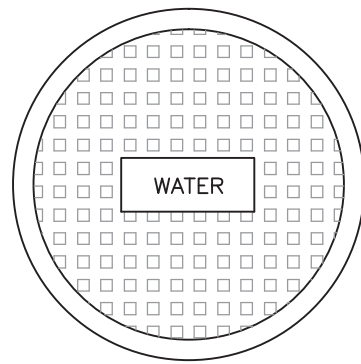
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RECLAIMED WATER



SEWER



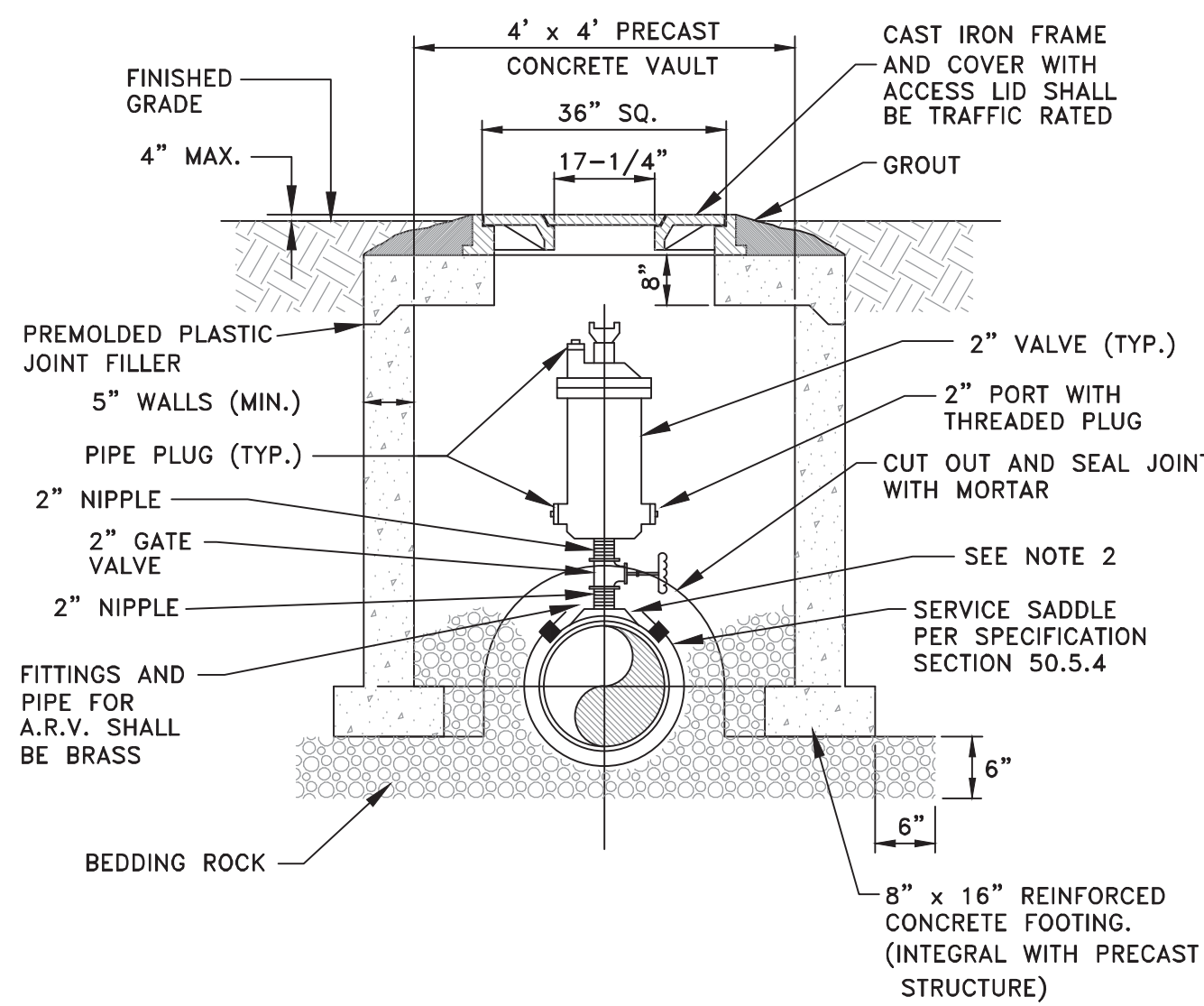
POTABLE WATER

TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 116



NOTES:

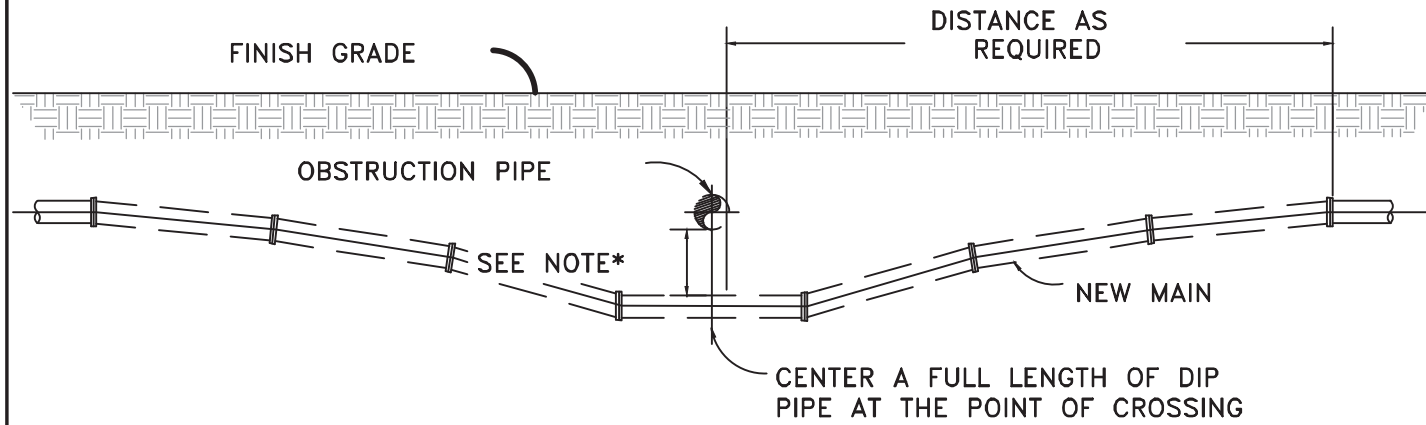
1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
3. ALL STRUCTURES TO BE TRAFFIC BEARING RATED.

AIR OR COMBINATION AIR/VACUUM
RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 119



NOTES:

1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

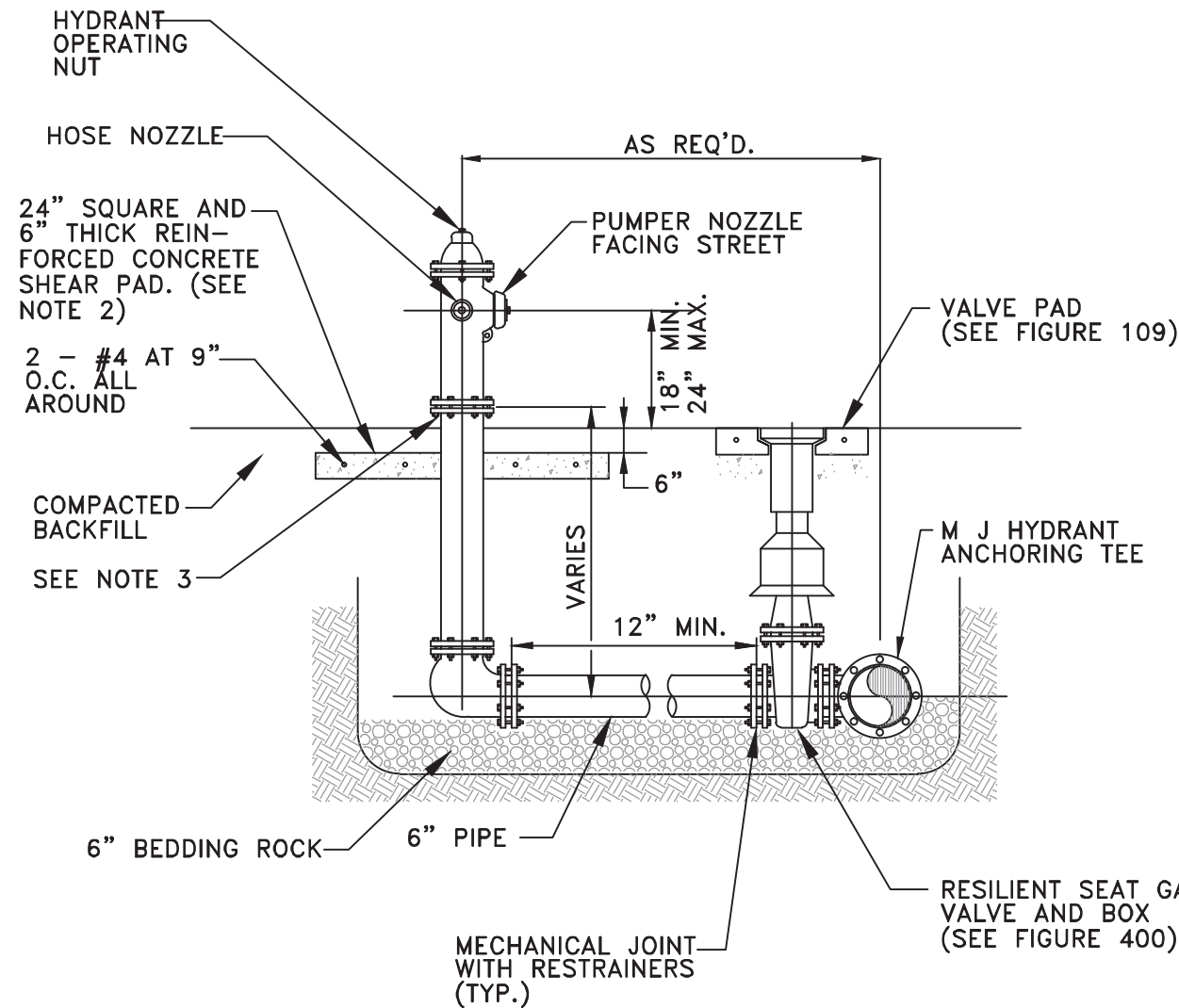
* CONSTRUCT UNIFORM PIPE DEFLECTION
NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED
MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 117



NOTES:

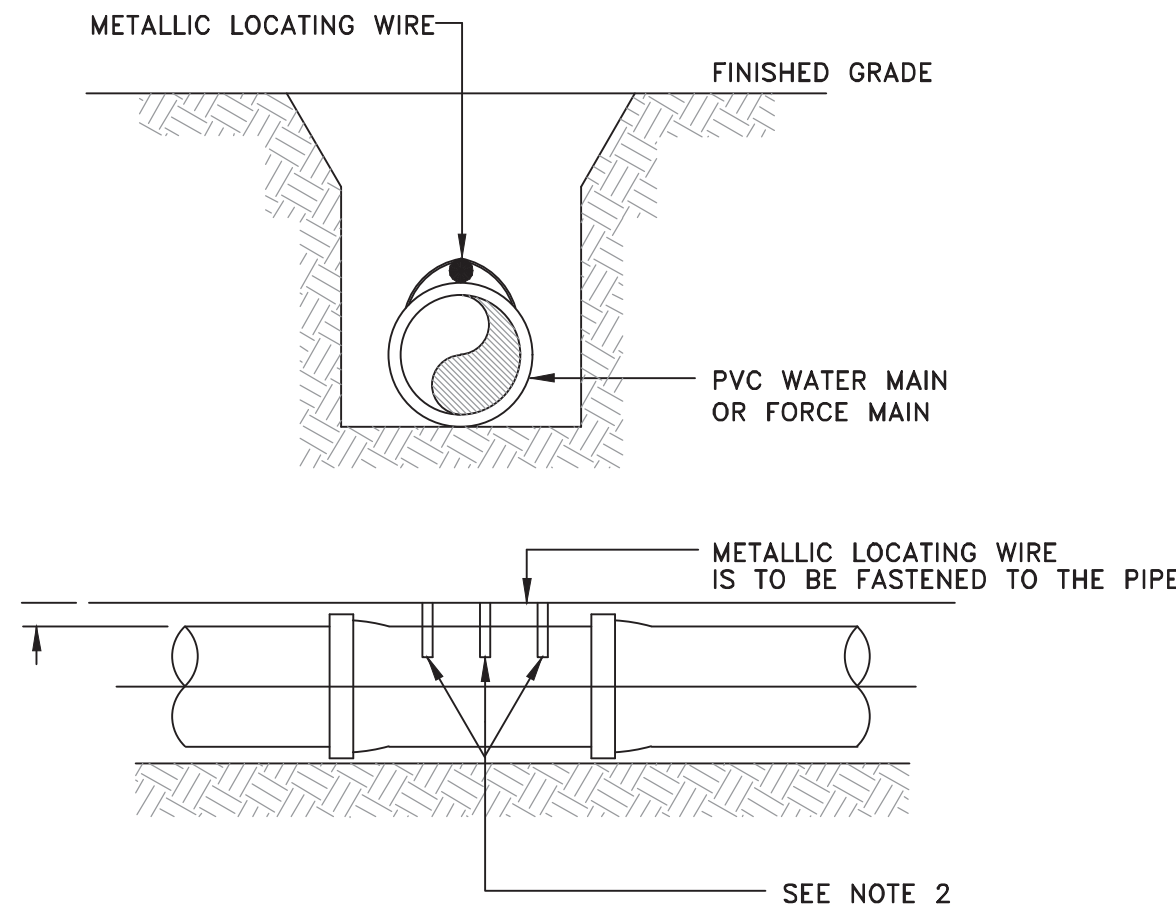
1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 402



NOTES:

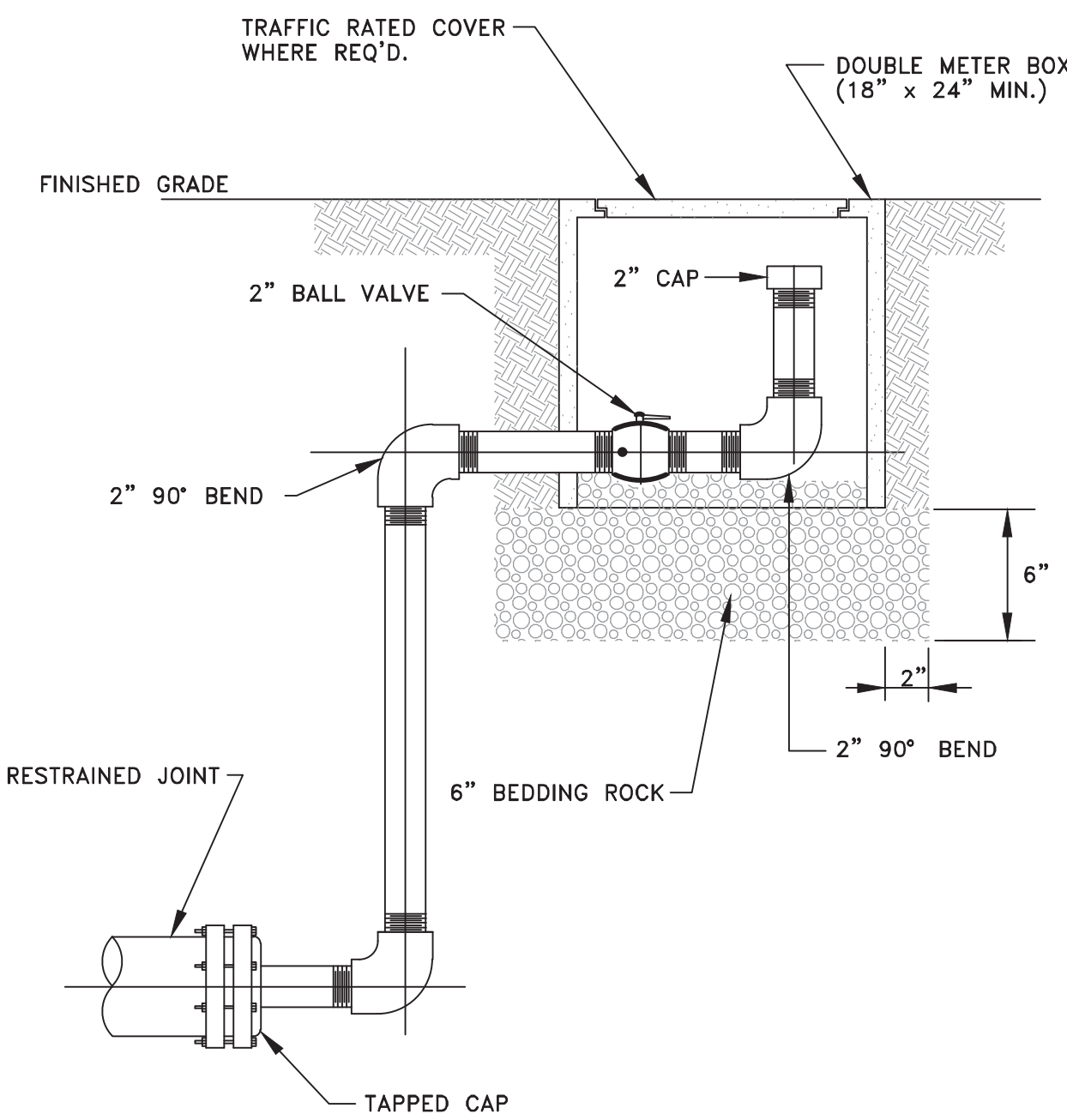
1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS-REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE - 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 118



NOTES:

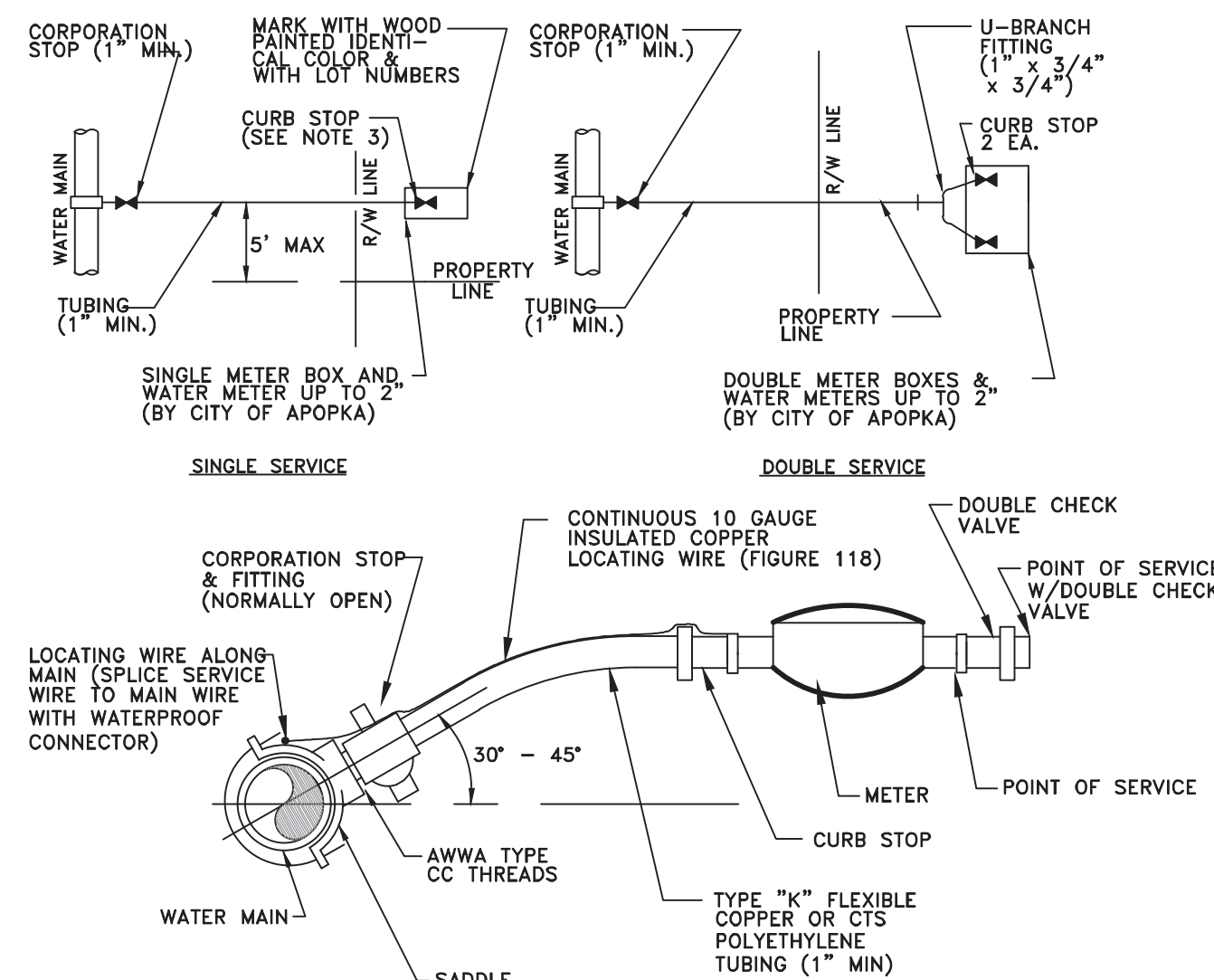
1. ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
2. COLOR SHALL BE APPROPRIATE FOR USE.

BLOWOFF VALVE DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 403



NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2016

FIG. 405



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date

Issue Description

Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT

Drawing Title

POTABLE WATER
DETAILS

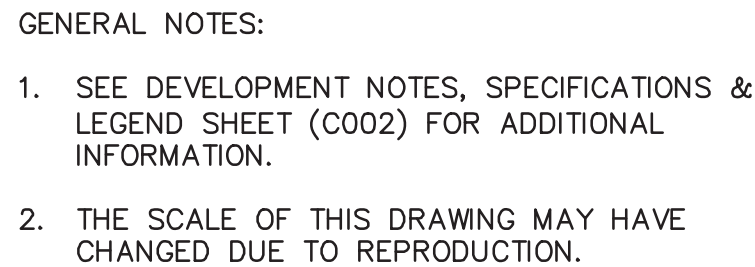
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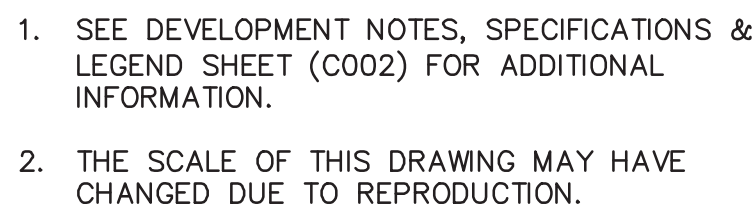
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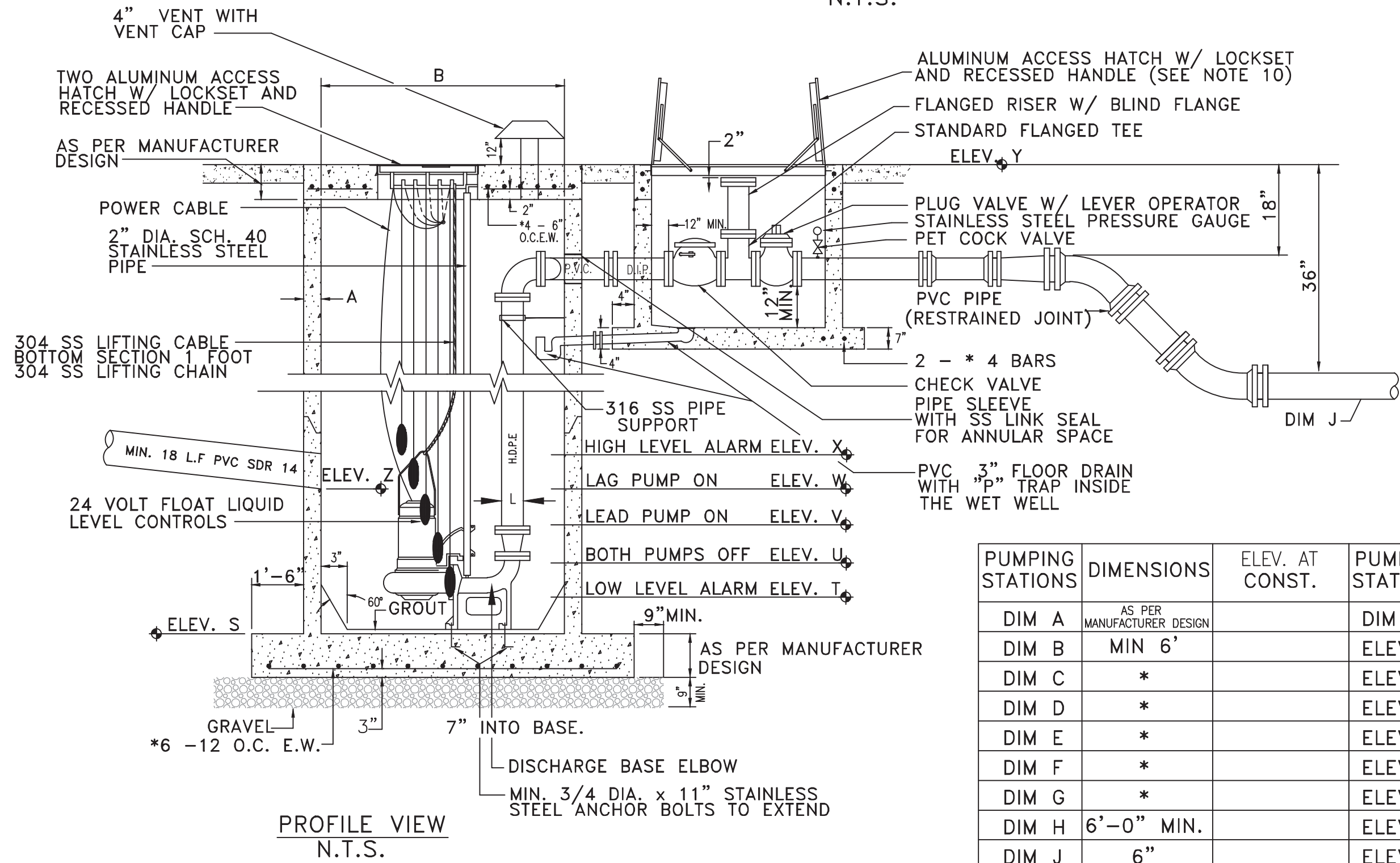
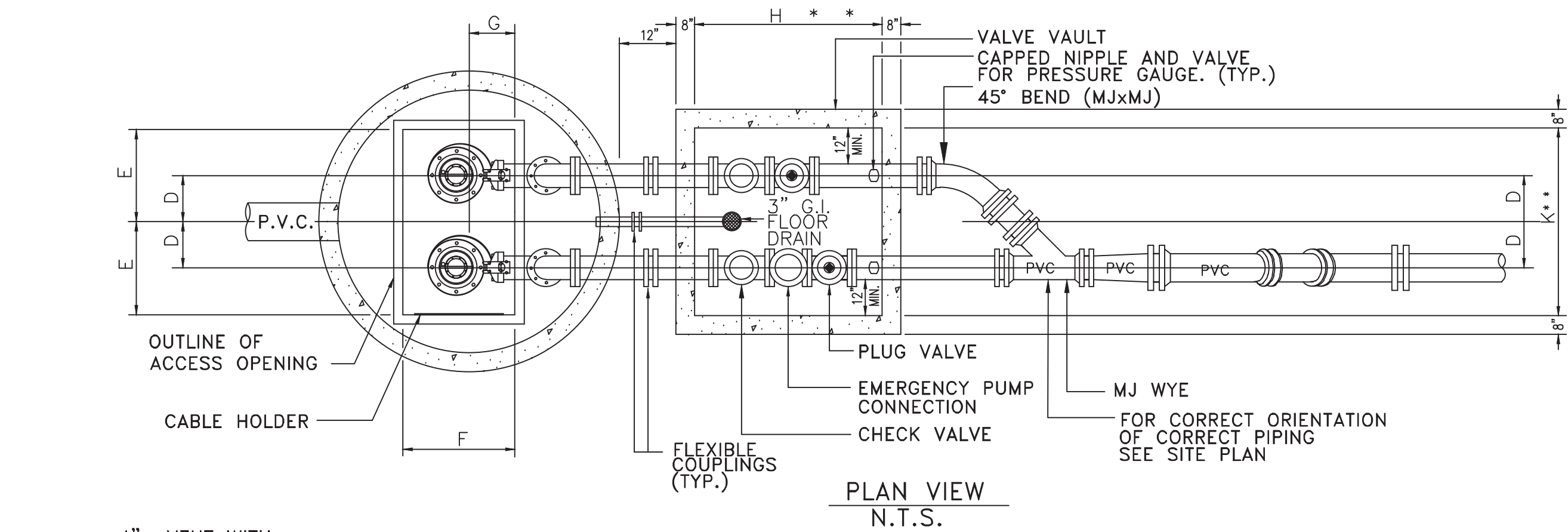


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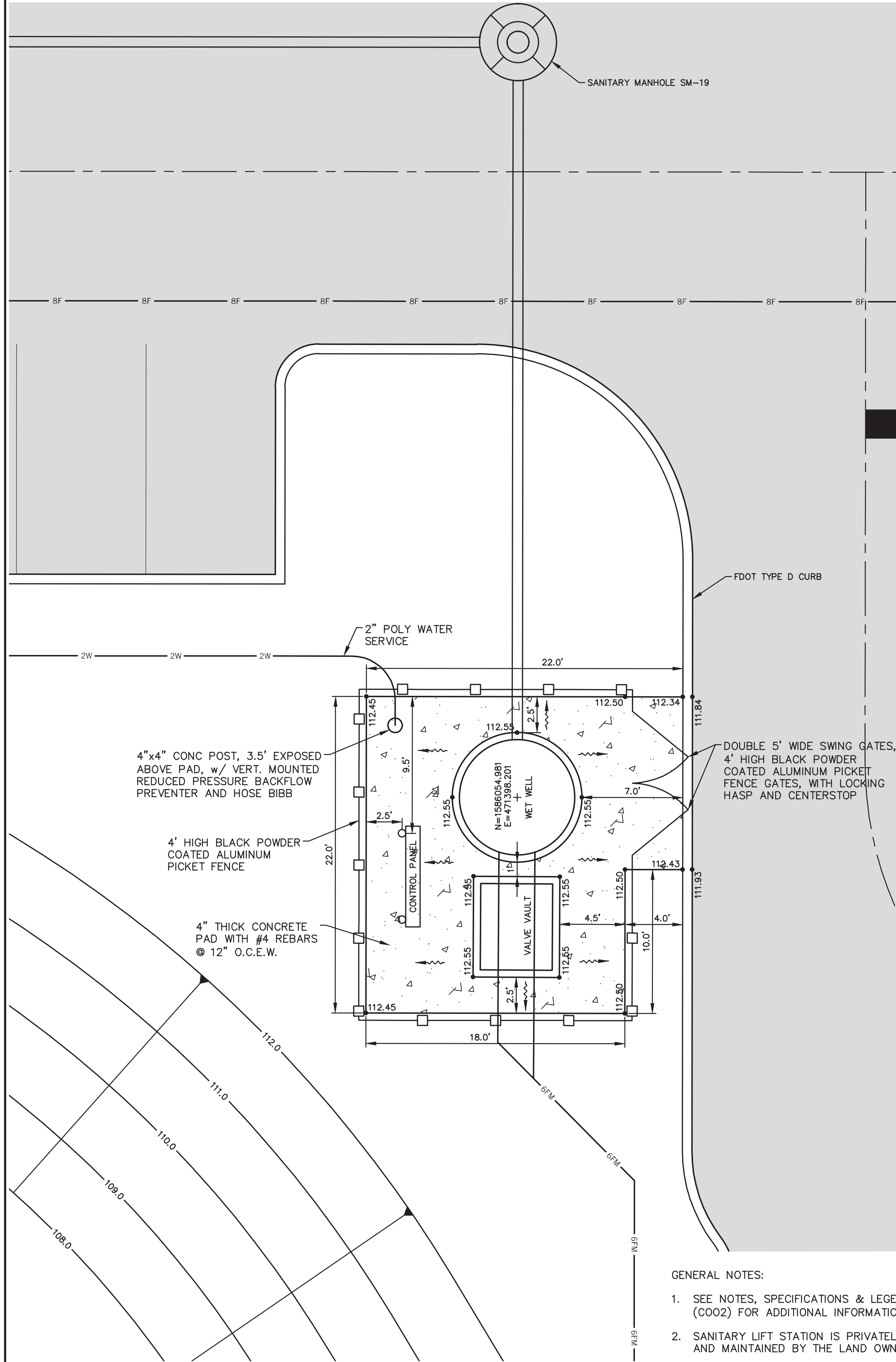
PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.	PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.
DIM A	AS PER MANUFACTURER DESIGN		DIM L	4"	
DIM B	MIN 6'		ELEV S		88.00
DIM C	*		ELEV T		88.50
DIM D	*		ELEV U		89.00
DIM E	*		ELEV V		89.40
DIM F	*		ELEV W		93.00
DIM G	*		ELEV X		93.50
DIM H	6'-0" MIN.		ELEV Y		112.55
DIM J	6"		ELEV Z		93.50
DIM K	6'				

* PER PUMP MANUFACTURERS REQUIREMENT

GENERAL NOTES:

- VALVE VAULT AND WET WELL LIDS SHALL BE COATED WITH 1 COAT OF TNMEC SERIES 66, COLOR EN03, (2-3 MILS), FOLLOWED BY TOP COAT OF TNMEC SERIES 73, COLOR EN05, (2-3 MILS) OR EQUAL.
- THE WET WELL SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYESTER (RFP) AND MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR VINYL ESTER RESIN, WITH FIBERGLASS REINFORCEMENTS. THE WET WELL SHALL BE A ONE PIECE UNIT AND MANUFACTURED BY L.F. MANUFACTURE, INC. OR EQUAL.
- IN LIEU OF RFP THE WET WELL MAY BE CONSTRUCTED OF PRECAST CONCRETE HAVING A MINIMUM WALL THICKNESS OF 8 INCHES. THE INTERIOR WALLS SHALL BE LINED USING A HIGH DENSITY POLYETHYLENE PRODUCT AS MANUFACTURED BY AGRU SURE GRIP, OR EQUAL.
- PIPING IN THE WET WELL TO BE HDPE WITH FUSED 45 DEGREES FITTINGS FROM WET WELL TO VALVE VAULT.
- INTERIOR OF THE VALVE VAULT AND PIPING IN THE VALVE VAULT WITH ConSeal CS-55 (OR EQUAL), TWO COATS, 4 MILS EACH. PIPING SHALL BE COATED AFTER INSTALLATION.
- VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 6" DIAMETER PIPE AND SMALLER. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
- VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
- ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE AND STAINLESS STEEL LINK SEAL.
- THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
- WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE LOCK BRACKET. SIZE AS REQUIRED BY PUMP MANUFACTURER.
- FLEXIBLE COUPLING SHALL BE SLEEVE TYPE, EPOXY COATED.
- PUMPS SHALL BE:
MANUFACTURER: FLYGT; MODEL: FP-3153-HT3-465; DIA: 3"; SPEED: 1765 RPM; DISCHARGE SIZE: 4" IN.;
VOLTAGE: 200; HZ.: 60; PHASE: 3; H.P.: 12; MIN. SOLID SIZE: 3 IN.
- OPERATING CONDITIONS SHALL BE 287 GPM AT 68.8 FEET TDH.
410 59.6
- ALL HARDWARE IN WET WELL AND VALVE BOX TO BE 316 STAINLESS STEEL.
- "P" TRAP TO BE INSTALLED IN WET WELL.
- FOR A SCALED (1"=5') SITE SPECIFIC DETAIL SEE RIGHT.

PUMP STATION DETAIL



GENERAL NOTES:

- SEE NOTES, SPECIFICATIONS & LEGEND SHEET (COO2) FOR ADDITIONAL INFORMATION.
- SANITARY LIFT STATION IS PRIVATELY OWNED AND MAINTAINED BY THE LAND OWNER.
- POWER TO PUMP STATION SHALL BE THROUGH UNDERGROUND CONDUITS FROM ONSITE TRANSFORMER.
- FENCE AND GATES PICKET SPACING SHALL BE 4" OR LESS.
- WET WELL HATCH AND COVER MUST OPEN TOWARDS THE CONTROL PANEL (HINGE SIDE TOWARDS PANEL).
- THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.



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CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
NEW BLDG, REVISED STATION	9/23/24

Issue Description

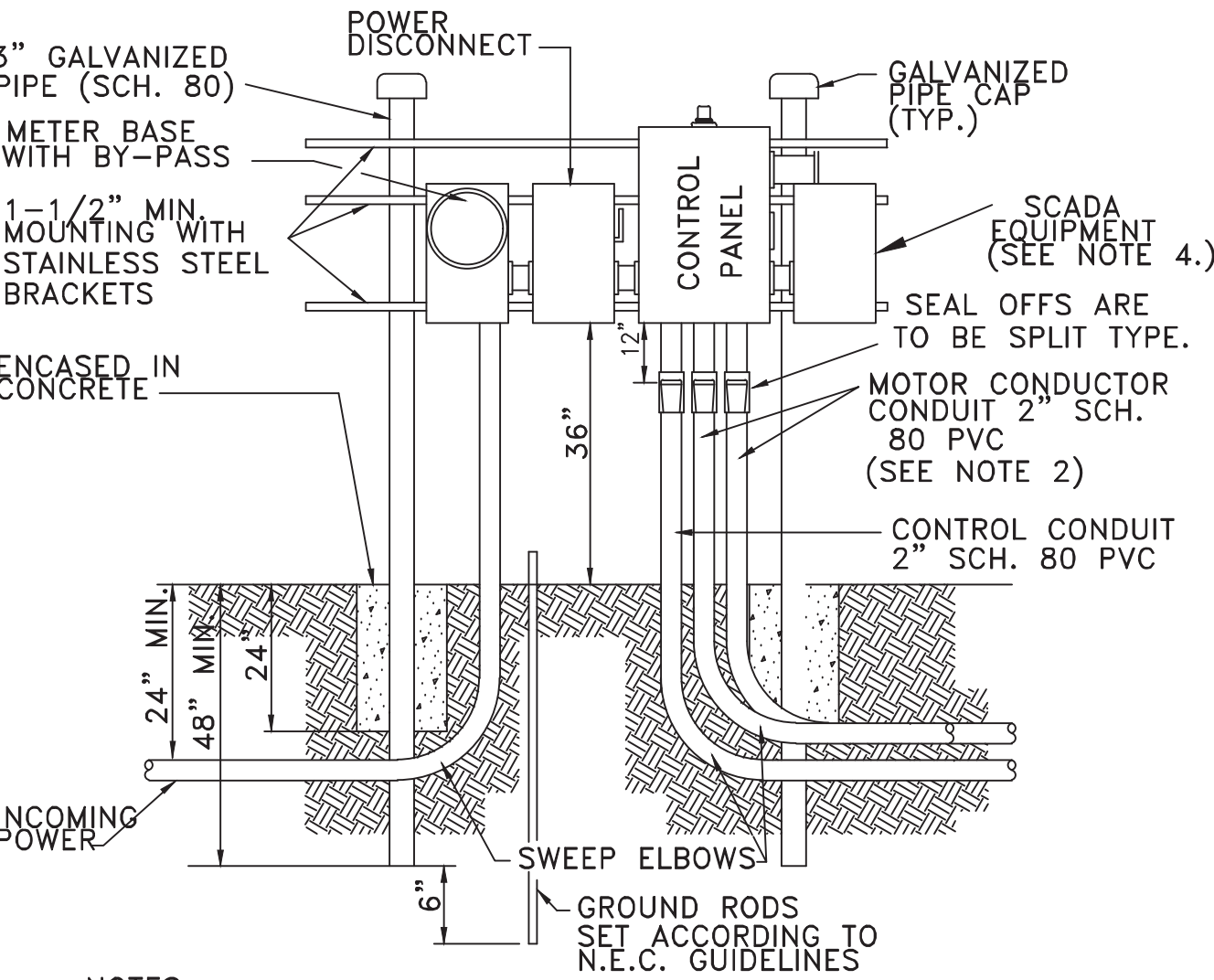
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

LIFT STATION
SITE PLAN

Sheet Number

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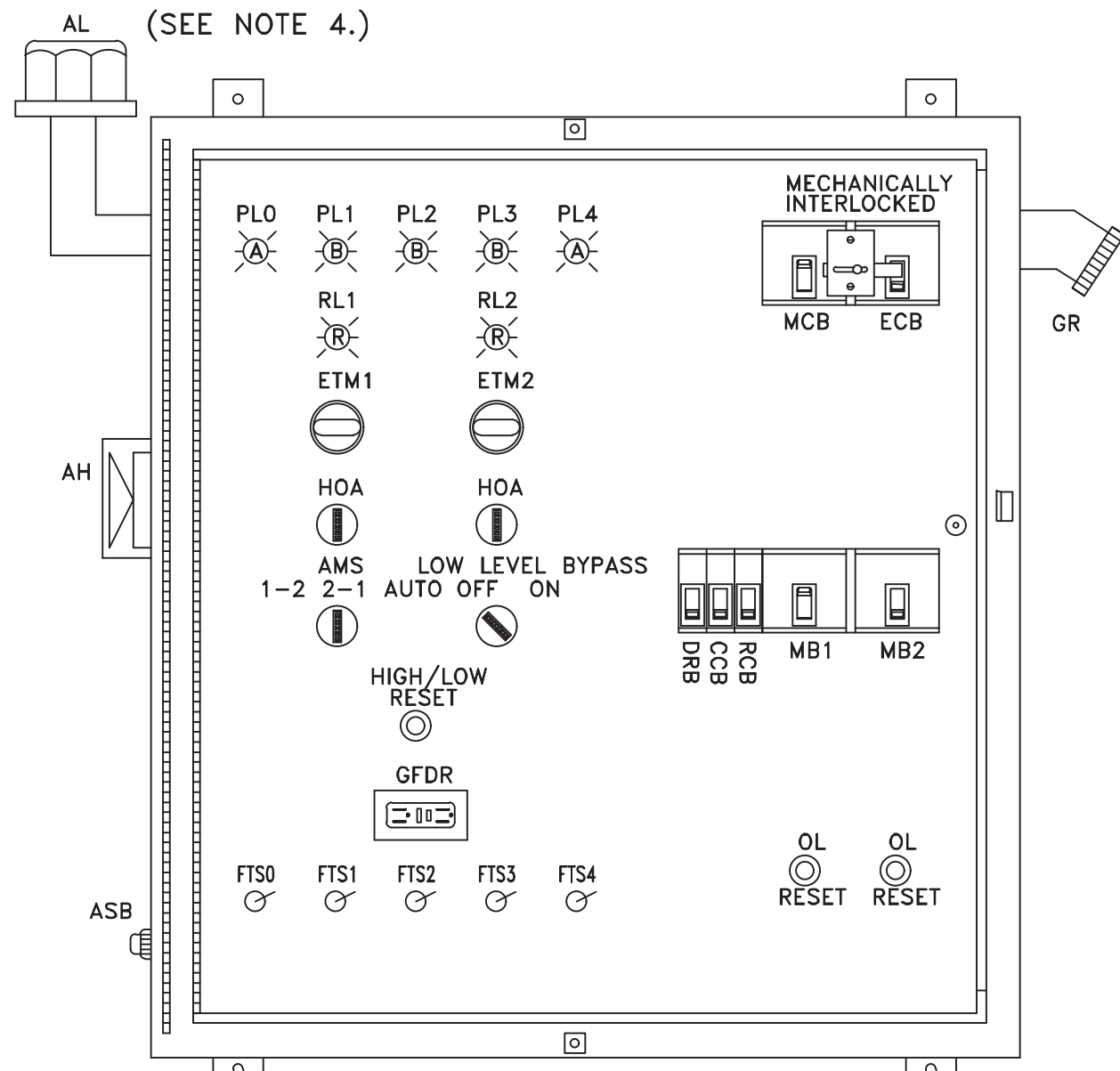
- NOTES:
- DRAWING IS SHOWN FOR 230 VOLT POWER SUPPLY. THE LOCATION OF METER AND MAIN POWER DISCONNECT SHALL BE REVERSED FOR 480 VOLT SUPPLY.
 - WHEN TWO (2) SEPARATE CONDUCTOR-TYPE MOTORS ARE USED, CONDUIT SHALL BE INCREASED TO THREE (3) INCH.
 - POWER SUPPLY SHALL BE UNDERGROUND TO THE PUMP STATION AND SHALL BE THREE (3) PHASE FROM A THREE (3) PHASE SOURCE ONLY.
 - STUB OUT UNISTRUT LONG ENOUGH TO ACCOMMODATE A 24"x24" SCADA EQUIPMENT CABINET. CITY TO INSTALL SCADA EQUIPMENT CABINET.

**DUPLEX PUMP STATION CONTROL PANEL
INSTALLATION DETAIL**

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 302



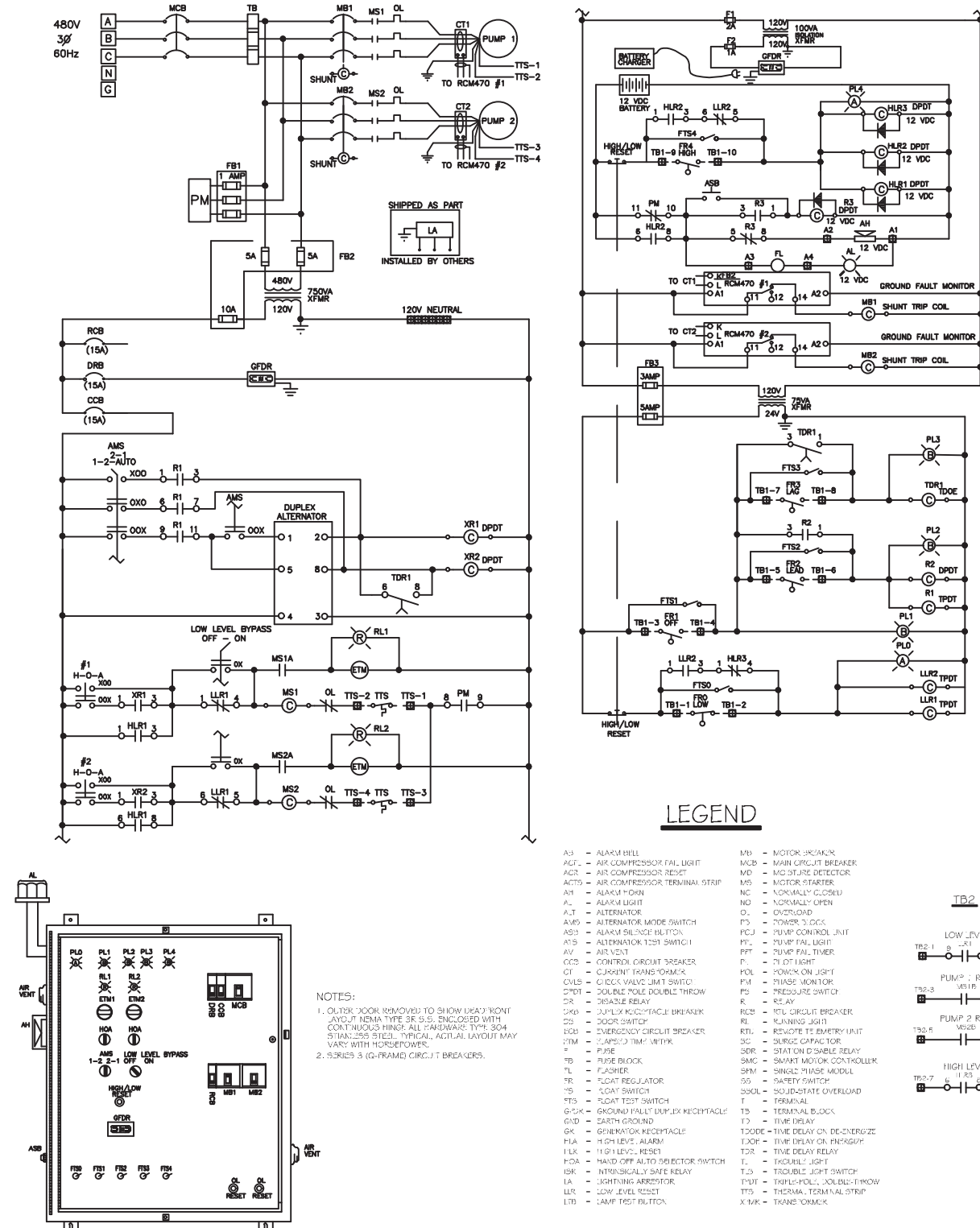
- NOTES:
- OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT NEMA TYPE 3R 304 S.S. ENCL. WITH CONTINUOUS HINGE ALL HARDWARE STAINLESS STEEL TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER
 - SERIES 3 (O-FRAME) CIRCUIT BREAKERS
 - GENERATOR OUTLET FOR 230V - PYLE NATIONAL MODEL JRE4100/460V - CROUSE HINDS MODEL AR 2042.
 - THE HEIGHT OF THE ALARM LIGHT WILL NEED TO BE MADE VISIBLE FROM OUTSIDE THE LIFT STATION.

**DUPLEX PUMP STATION CONTROL
PANEL FRONT LAYOUT**

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 303

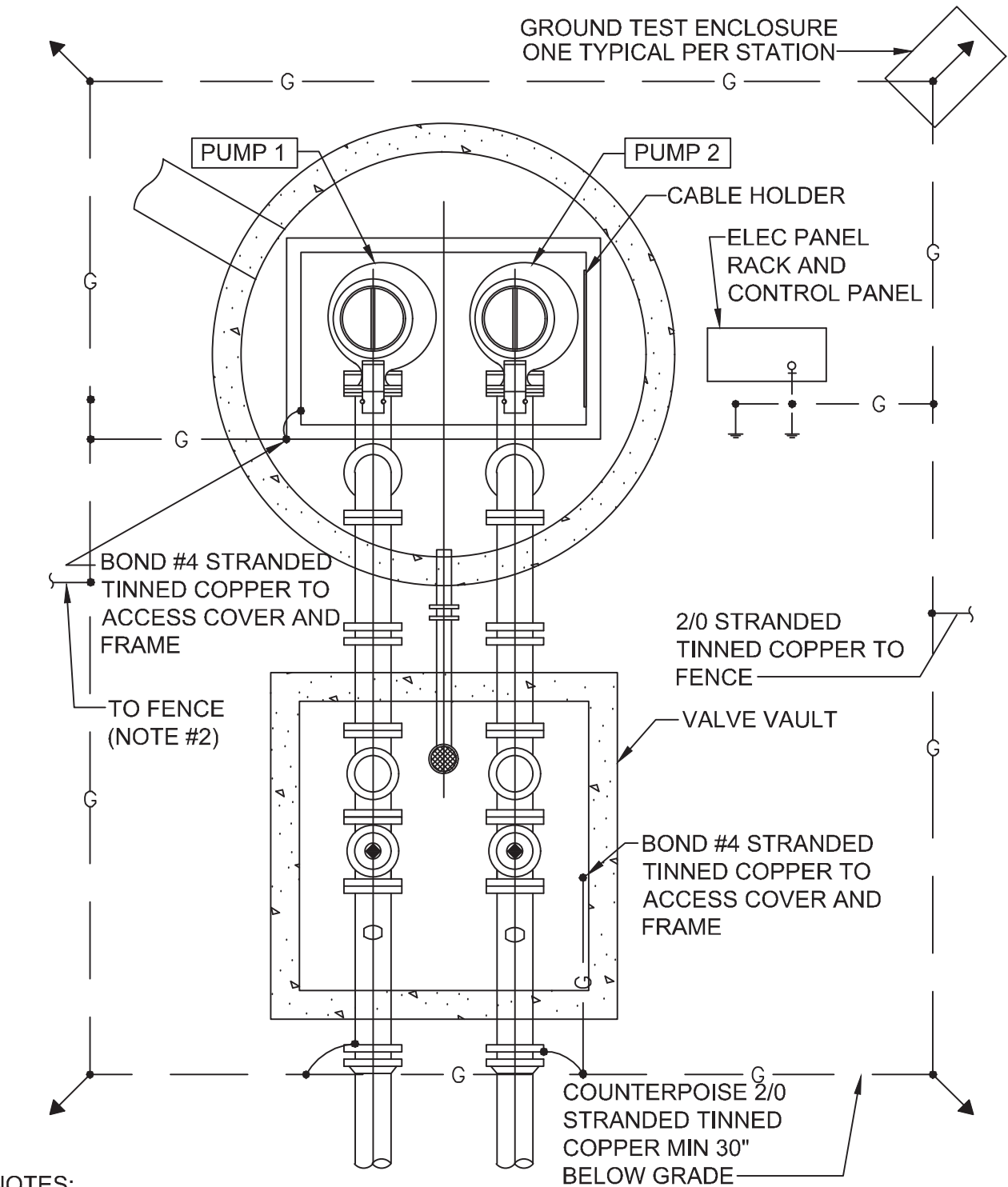


**DUPLEX PUMP CONTROL PANEL
GENERAL LAYOUT & SCHEMATIC**
(480V-3PH)
WITHOUT GENERATOR RECEPTACLE

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 305 D



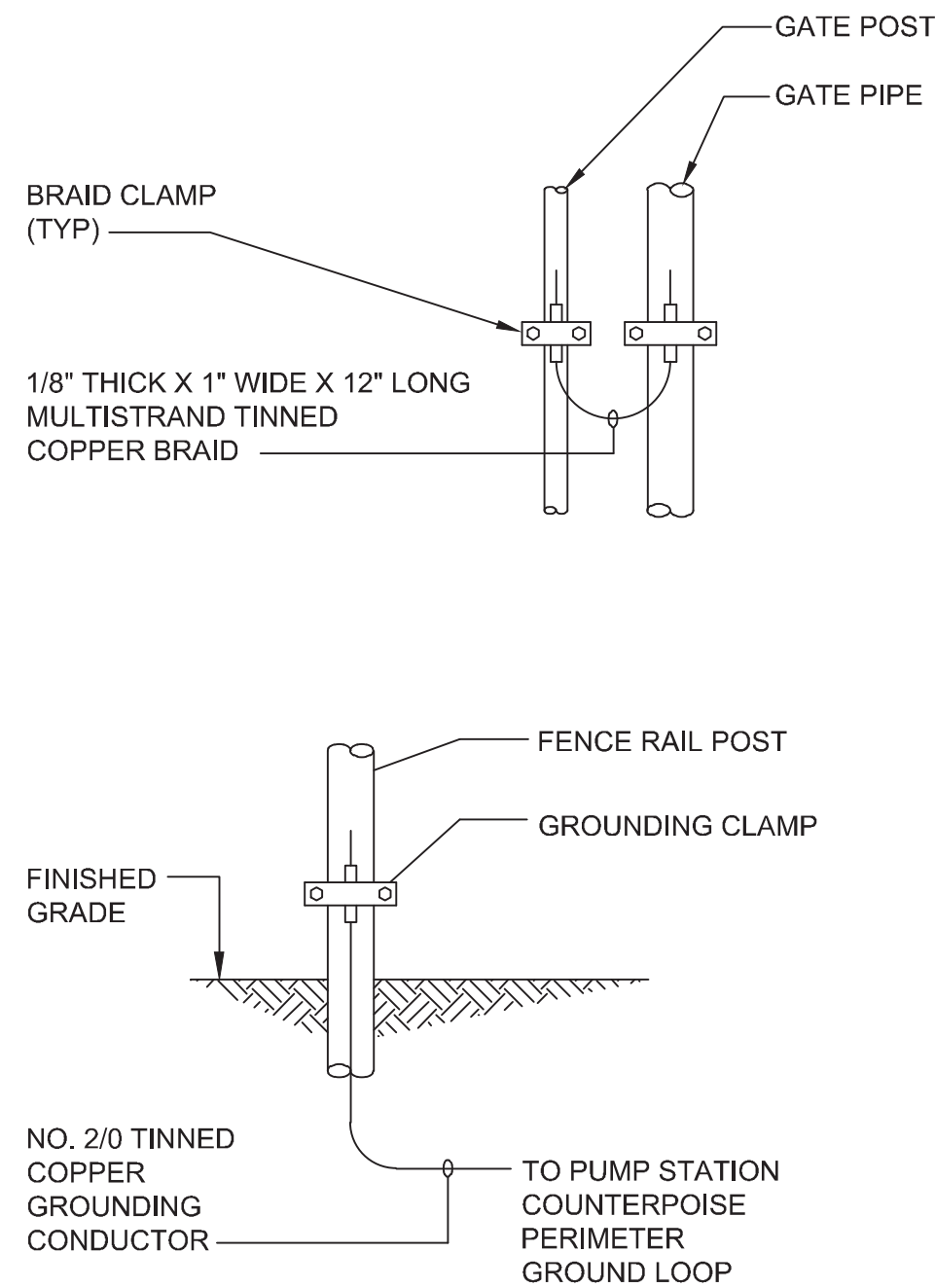
- NOTES:
- DETAIL IS GENERIC. SPECIFIC LOCATIONS OF EQUIPMENT MAY VARY.
 - TIE TO FENCE, MINIMUM 2 LOCATIONS. NOT REQUIRED WHERE PVC COATED OR BLOCK FENCE IS INSTALLED.
 - PROVIDE EXOTHERMIC WELDS UNLESS NOTED OTHERWISE.

PUMP STATION GROUNDING (TYPICAL)

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DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307

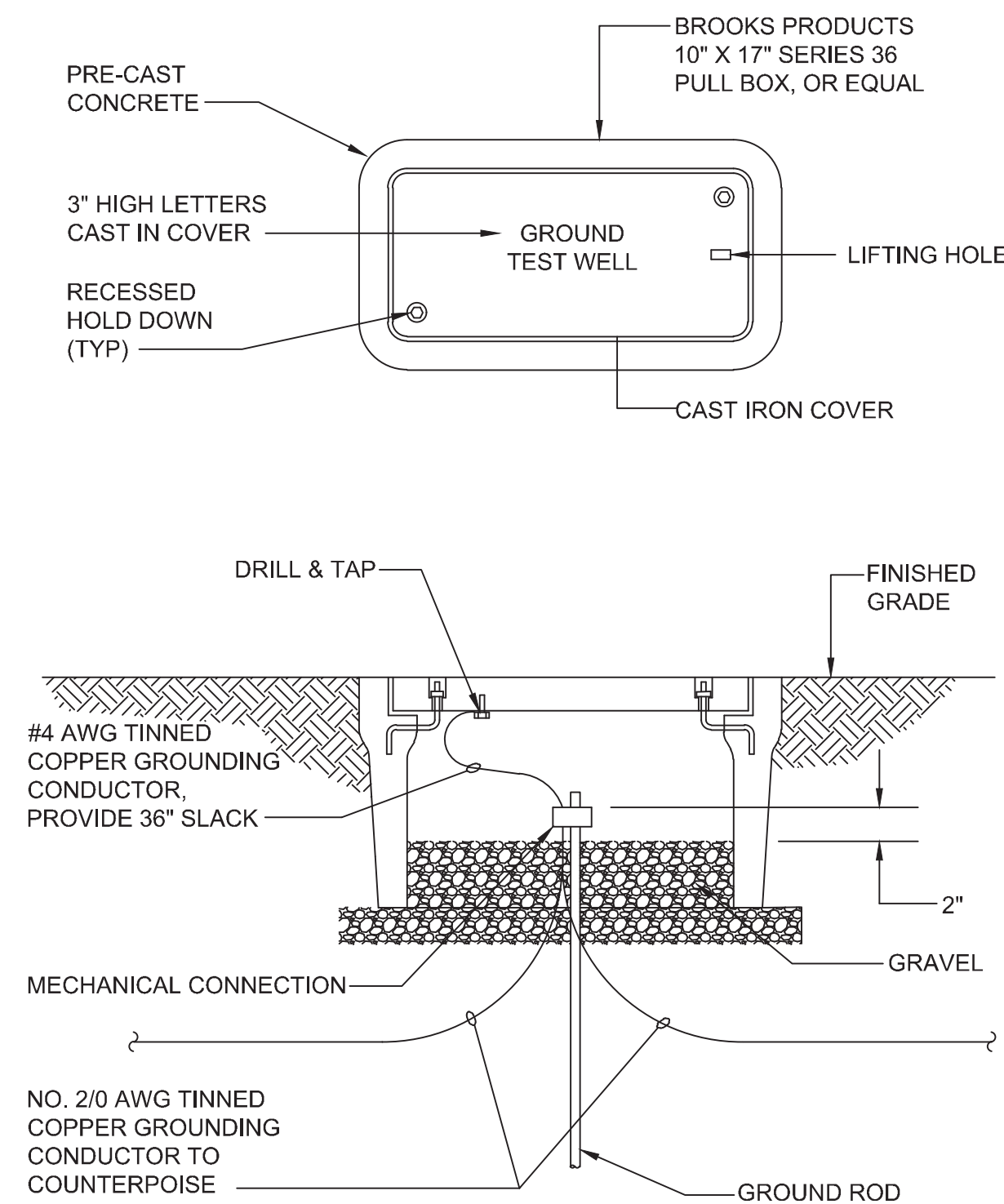


FENCE POST GROUNDING (TYPICAL)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 A



GROUND TEST WELL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 B

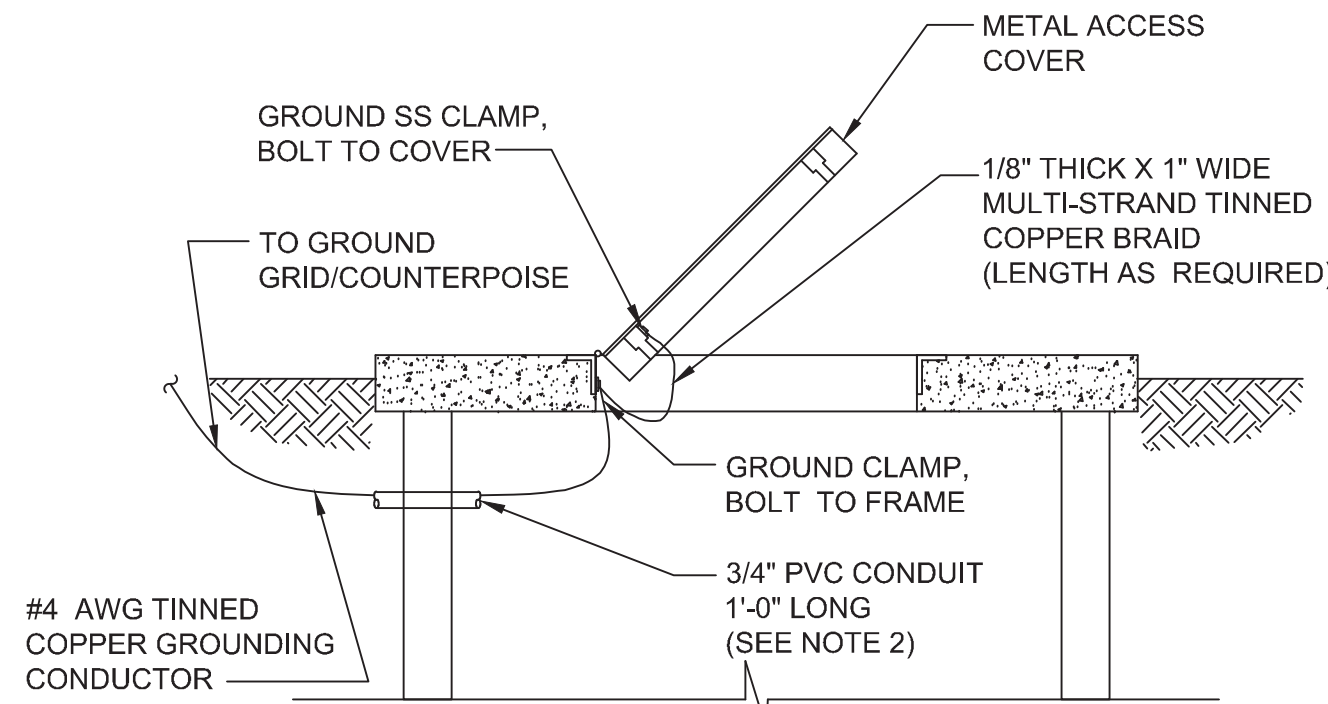
ACFL - ABALARM BELL	MB - MOTOR BREAKER
ACR - AIR COMPRESSOR RESET	MCB - MAIN CIRCUIT BREAKER
ACTS - AIR COMPRESSOR TERMINAL STRIP	MD - MOISTURE DETECTOR
AH - ALARM HORN	MS - MOTOR STARTER
AL - ALARM LIGHT	NC - NORMALLY CLOSED
ALT - ALTERNATOR	NO - NORMALLY OPEN
AMS - ALTERNATOR MODE SWITCH	OL - OVERLOAD
ASB - ALARM SILENCE BUTTON	PB - POWER BLOCK
ATS - ALTERNATOR TEST SWITCH	PCU - PUMP CONTROL UNIT
AV - AIR VENT	PFL - PUMP FAIL LIGHT
CCB - CONTROL CIRCUIT BREAKER	PFT - PUMP FAIL TIMER
CT - CURRENT TRANSFORMER	PL - PILOT LIGHT
CVLS - CHECK VALVE LIMIT SWITCH	POL - POWER ON LIGHT
DPDT - DOUBLE-POLE, DOUBLE-THROW	PM - PHASE MONITOR
DR - DISABLE RELAY	PS - PRESSURE SWITCH
DRB - DUPLEX RECEPTACLE BREAKER	R - RELAY
DS - DOOR SWITCH	RCB - RTU CIRCUIT BREAKER
ECB - EMERGENCY CIRCUIT BREAKER	RL - RUNNING LIGHT
ETM - ELAPSED TIME METER	RTU - REMOTE TELEMETRY UNIT
FB - FUSE BLOCK	SC - SURGE CAPACITOR
FL - FLASHER	SDR - STATION DISABLE RELAY
FR - FLOAT REGULATOR	SMC - SMART MOTOR CONTROLLER
FS - FLOW SWITCH	SPM - SINGLE PHASE MODULE
FTS - FLOAT TEST SWITCH	SS - SAFETY SWITCH
GDR - GROUND FAULT DUPLEX RECEPTACLE	SSOL - SOLID-STATE OVERLOAD
GND - EARTH GROUND	TB - TERMINAL BLOCK
GR - GENERATOR RECEPTACLE	TD - TIME DELAY
HLA - HIGH LEVEL ALARM	TDDE - TIME DELAY ON DE-ENERGIZE
HLR - HIGH LEVEL RESET	TDDE - TIME DELAY ON ENERGIZE
HOA - HAND-OFF-AUTO SELECTOR SWITCH	TDR - TIME DELAY RELAY
ISR - INTRINSICALLY SAFE RELAY	TL - TROUBLE LIGHT
LA - LIGHTNING ARRESTOR	TLS - TROUBLE LIGHT SWITCH
LLR - LOW LEVEL RESET	TBPT - TRIP-POLE, DOUBLE-THROW
LTB - LAMP TEST BUTTON	TFMR - TRANSFORMER

COMPONENT LEGEND

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 306



- NOTES:
- ON COVERS WITH MULTIPLE DOORS, PROVIDE BRAID FROM FRAME TO DOOR ON EACH DOOR. PROVIDE WATERPROOF CAULKING WHERE GROUND CABLE AND CONDUIT PENETRATES WETWELL TO PREVENT INTRUSION OF GROUNDWATER AND ESCAPE OF VAPORS FROM WETWELL.
 - INSTALL GROUND WIRE SO THAT IT WILL NOT CROSS CLEAR OPENING OR PREVENT OR IMPEDE NORMAL METHOD OF REMOVING FLOATS OR PUMPS.

COVER AND DOOR GROUNDING

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 C



**McINTOSH
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ORLANDO, FL 32810 407.644.4068

Seals

DATE:

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date

Issue Description	
Issue Date	6/12/21
Project No	20566
Drawn/Designed	MAB / MAB
Checked By	JTT
Drawing Title	

LIFT STATION
DETAILS

Sheet Number

C652
32 OF 36

[illegible]

4/27/22

GENERAL NOTES:

1. Work this Inlet with Index 425-001 and Index 425-010.
2. Chamber all exposed edges and corners 1/4" chamfer or beveled to 1/4" radius.
3. All reinforcing (1) Grade 60 bars with 2" minimum cover, unless otherwise noted. Cut or bend bars for 15° clearance around pipe opening. Provide one additional #4 bar above and on each side of pipe opening.
4. Use Concrete Repair on inlets without slots and inlets with non-traversable slots only when called for in the Plans.
5. Quantities are for informational and estimating purposes only.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Type C - Dimensional, Reinforcing, and Grate Details
3	Type D - Dimensional, Reinforcing, and Grate Details
4	Type E - Dimensional, Reinforcing, and Grate Details
5	Type H (2 B & 3 Grates) - Dimensional, Reinforcing, and Steel Grate Details
6	Type H (4 Grates) - Dimensional, Reinforcing, and Steel Grate Details
7	Cast-In-Place Details
8	Non-Traversable Inlet Details
9	Traversable Inlet Without Slot Details
10	Traversable Inlet With Slot Details
11	Case 1 - Add Traversable Slots to Existing Inlets
12	Case 2 - Add Traversable Slots (Partial to Existing Inlets
13	Case 3 - Add Traversable Slots (Partial to Existing Inlets and Ditch Rock
14	Alternate A Structure Bottom - Top Slab Details

FY 2023-24
STANDARD PLANS

DITCH BOTTOM INLET TYPES C, D, E, AND H

INDEX
425-052

SHEET
1 of 14

LAST
REVISION
10/01/20

DESCRIPTION:

[illegible]

NOTES:

1. Grate, Concrete Apron, and Sill not shown in Plan view.
2. See Sheet "A" for Concrete Apron and Sillbed Area details.
3. See Sheet "C" for Concrete Apron and Sillbed Area details.
4. Construction joints permitted between these limits. See Detail 422-001 for minimum dimensions.

DETAIL "A"

DETAIL "B"

DETAIL "C"

DETAIL "D"

DETAIL "E"

DETAIL "F"

DETAIL "G"

DETAIL "H"

DETAIL "I"

DETAIL "J"

DETAIL "K"

DETAIL "L"

DETAIL "M"

DETAIL "N"

DETAIL "O"

DETAIL "P"

DETAIL "Q"

DETAIL "R"

DETAIL "S"

DETAIL "T"

DETAIL "U"

DETAIL "V"

DETAIL "W"

DETAIL "X"

DETAIL "Y"

DETAIL "Z"

DETAIL "AA"

DETAIL "AB"

DETAIL "AC"

DETAIL "AD"

DETAIL "AE"

DETAIL "AF"

DETAIL "AG"

DETAIL "AH"

DETAIL "AI"

DETAIL "AJ"

DETAIL "AK"

DETAIL "AL"

DETAIL "AM"

DETAIL "AN"

DETAIL "AO"

DETAIL "AP"

DETAIL "AQ"

DETAIL "AR"

DETAIL "AS"

DETAIL "AT"

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DETAIL "CF"

DETAIL "CG"

DETAIL "CH"

DETAIL "CI"

DETAIL "CJ"

DETAIL "CK"

DETAIL "CL"

DETAIL "CM"

DETAIL "CN"

DETAIL "CO"

DETAIL "CP"

DETAIL "CQ"

DETAIL "CR"

DETAIL "CS"

DETAIL "CT"

DETAIL "CU"

DETAIL "CV"

DETAIL "CW"

DETAIL "CX"

DETAIL "CY"

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DETAIL "IU"

DETAIL "IV"

DETAIL "IW"

DETAIL "IX"

DETAIL "IY"

DETAIL "IZ"

DETAIL "JA"

DETAIL "JB"

DETAIL "JC"

DETAIL "JD"

DETAIL "JE"

DETAIL "JF"

DETAIL "JG"

DETAIL "JH"

DETAIL "JI"

DETAIL "JJ"

DETAIL "JK"

DETAIL "JL"

DETAIL "JM"

DETAIL "JN"

DETAIL "JO"

DETAIL "JP"

DETAIL "JQ"

DETAIL "JR"

DETAIL "JS"

DETAIL "JT"

DETAIL "JU"

DETAIL "JV"

DETAIL "JW"

DETAIL "JX"

DETAIL "JY"

DETAIL "JZ"

DETAIL "KA"

DETAIL "KB"

DETAIL "KC"

DETAIL "KD"

DETAIL "KE"

DETAIL "KF"

DETAIL "KG"

DETAIL "KH"

DETAIL "KI"

DETAIL "KJ"

DETAIL "KK"

DETAIL "KL"

DETAIL "KM"

DETAIL "KN"

DETAIL "KO"

DETAIL "KP"

STANDARD PLANS

SECTION A-A
(Type Opening Not Shown)

SECTION B-B
(Type Opening Shown)

SECTION C-C

SECTION D-D

STEEL GATE DETAIL
(Approx. 104 lbs. - See Sheet 7 for Cast Iron Gates)

WALL DEPTH	SCHEDULE	AREA (sq. ft.)	MAX. SPACING
0 - 12"	A22	0.20	12"

NOTES:

1. Apply Concrete Apron, and Seal not shown on Structure Detail.
2. See Sheet 8 B and 10 for Concrete Apron and Section A Area Details.

GENERAL NOTES:

1. Mark this Index with Index 425-001 and Index 425-010.
2. When inlet is placed in areas subject to bicycle traffic, install filter bar when clearance or gap is greater than $\frac{1}{4}$ " as shown in Index 425-011.
3. These inlets may be used with Alternate B structure Notations, Index 425-010.
4. Chamfer all exposed edges and corners $\frac{1}{4}$ " chamfer or tolled to $\frac{1}{4}$ " radius.
5. See Index for supplemental details.
6. Reinforcing bars are Grade 60 with 2" minimum cover unless otherwise noted. Cut or bend bars to provide 15" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening on shown.
7. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.
8. Quantities are for informational and estimating purposes only.

DITCH BOTTOM INLET TYPE F
(Open C Similar, Pipe Connection Not Shown)

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Type F - Dimensional, Reinforcing, and Grate Details
3	Type G - Dimensional, Reinforcing, and Grate Details
4	Concrete Apron and Siphon Area Details

EAST
REVISION
10/01/20

DESCRIPTION

FY 2023-24
STANDARD PLANS

DITCH BOTTOM INLET TYPES F AND G

INDEX
425-053

SHEET
1 of 4

GENERAL NOTES:

- Provide Flared end sections meeting the requirements of ASTM C78 with the exception that dimensions and configurations meet the criteria in the table on sheet 2. Circumferential reinforcement may consist of either one cage or two cages of steel. Use concrete compressive strength of 4000 psi.
- Connections between the flared end section and the pipe culvert may be any of the following types unless otherwise shown in the plans.
 - Joints meeting the requirements of Section 44B of the Standard Specifications (G-Ring Gasket). Flared end section joint dimensions and tolerances shall be identical or compatible to those used in the pipe culvert joint. When pipe culvert and flared end section manufacturers are different, the manufacturer of the flared end sections must certify the compatibility of joint design.
 - Joints formed with performance plastic gaskets, use gaskets that meet the requirements Specification 842-2 of the Standard Specifications and the minimum sizes for gaskets as specified for open-arched pipe of identical size.
 - Reinforced concrete jackets, as detailed on sheet 2. When non-coated corrugated metal pipe is called for in the Plans, use bituminous coated pipe in the jacketed area as specified on Index 430-031. Construct concrete jacket as specified in Index 430-031.
- Cast Top Walls in place using Class II Concrete.
- On skewed pipe culverts place the flared end sections in line with the pipe culvert. Warp the side slopes as required to fit the flared end sections.
- Quantities shown are for estimating purposes only.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Straight Flare, Skewed Slant Sheet Details and Reinforced Concrete Jacket Detail

FLARED END SECTION

FIGURE 1

PLAN

C-I-P DETAIL "A"

SECTION A-A
(Pipe Opening Not Shown)

SECTION B-B
(Pipe Opening Shown)

SECTION C-C

SECTION D-D

SECTION E-E

STEEL GRATE DETAIL

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	MAX. SPACING (in./ft.)	BARS	WIRE
0' - 6"	A12	0.200	12"	6"
6' - 7'	A	0.200	0"	5"
7' - 12'	B15	0.240	15"	5"
12' - 15'	Special 1	0.267	5"	6"

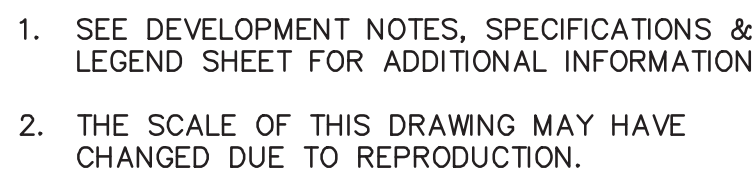
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GENERAL NOTES:

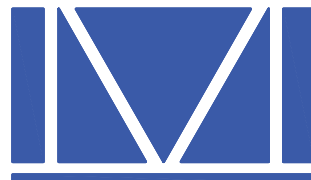
1. SEE DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
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CITY OF AOPKA, FLORIDA

Page 80 of 8

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Seals

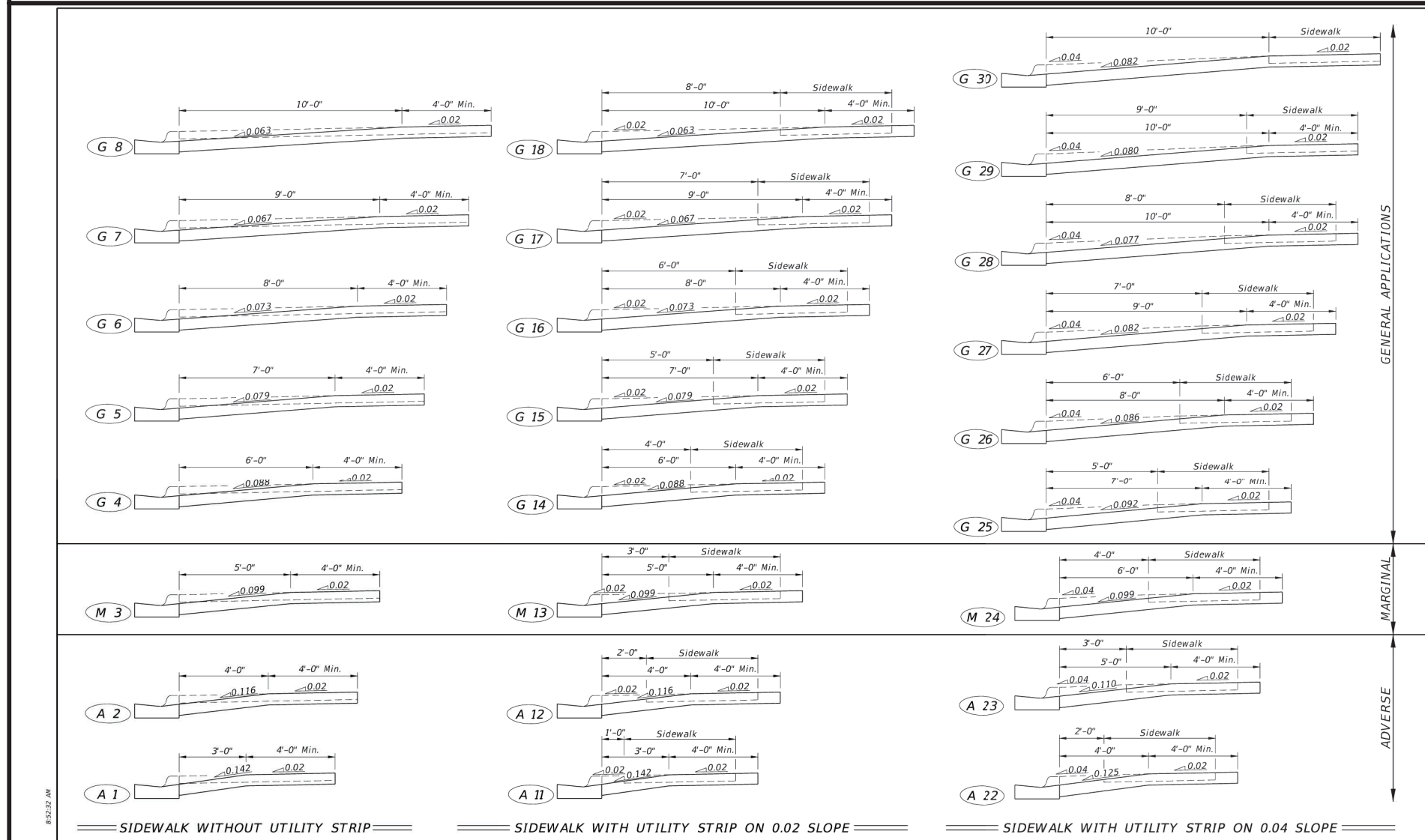
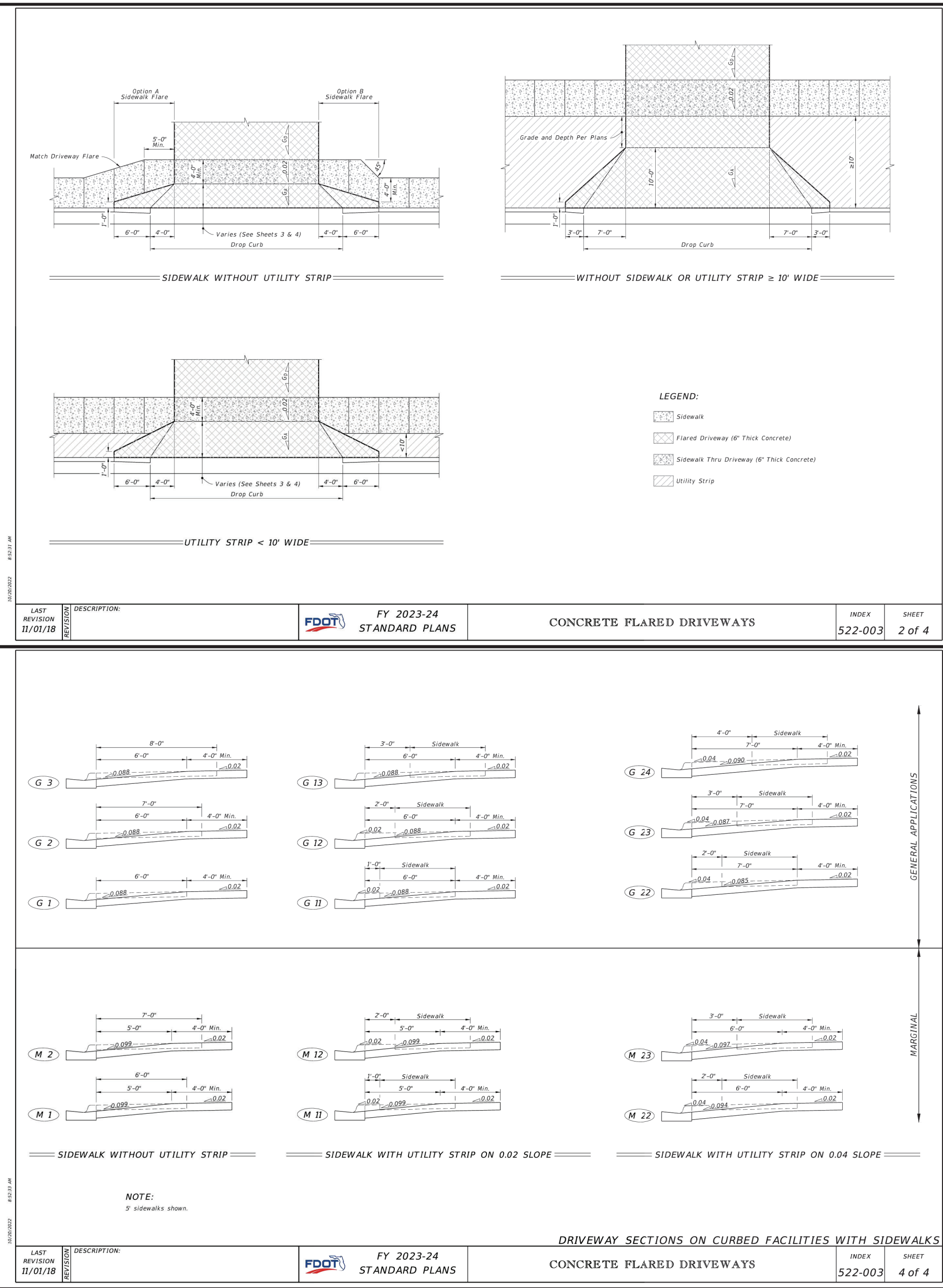
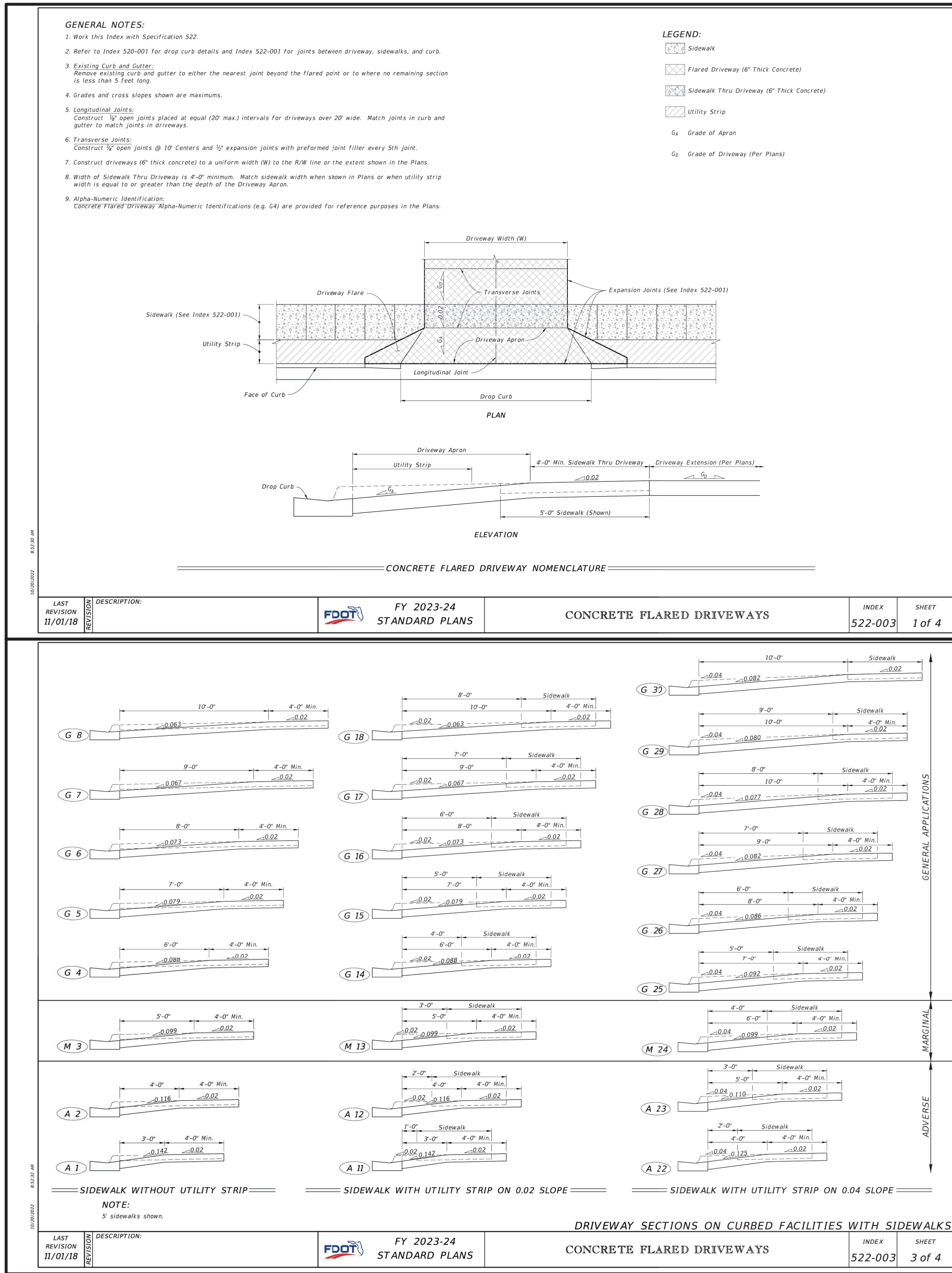
DATE: _____

CONSTRUCTION SITE PLANS

AdventHealth

Fudge Road Complex – Phase 1

CITY OF APOPKA, FLORIDA



DOCUMENT CHANGES

Description	Date
UPDATED FDOT DETAILS	9/23/24

Issue Description

Issue Date 6/12/21

Project No 20566

Drawn/Designed MAB / MAB Checked By JTT

Drawing Title

DRAINAGE
DETAILS

Sheet Number

C754
36 OF 36

GENERAL NOTES:

- SEE DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEET FOR ADDITIONAL INFORMATION.
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