

APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

August 19, 2026 9:00 AM

Apopka City Hall Commission Chambers

PUBLIC COMMENT PERIOD

SITE PLAN:

CONSTRUCTION SITE PLAN

1. **CSP-26-27 - Yothers Outparcel - Construction Site Plan (CSP), (2nd Submittal)**
Owner(s): Dafflyn Property 2 LLC
Applicant(s): Kimley-Horn and Associates Inc - Joe Pellarin
Location: 2050 Plymouth Sorrento Road
Proposed Use: Developing a 7,400 SF Commercial Building
Project Manager: Jun Sohn
2. **CSP-26-10 - Northwest Church - Construction Site Plan (CSP), (2nd Submittal)**
Owner(s): Directions Fellowship Inc
Applicant(s): Thomas and Hutton Engineering Co - Sam Sebaali
Location: 1567 Plymouth Sorrento Road
Proposed Use: Construct a Place of Worship 23,217 SF in Size
Project Manager: Jean Sanchez
3. **CSP-26-23 - Northwest Church Existing Building Retrofit - Construction Site Plan (CSP), (1st Submittal)**
Owner(s): Directions Fellowship Inc
Applicant(s): Thomas and Hutton Engineering Co - Sam Sebaali
Location: 1567 Plymouth Sorrento Road
Proposed Use: Reuse and Retrofit of the Existing Building Footprint and Structure
Project Manager: Jean Sanchez

SUBDIVISION PLAN

1. **CSP-26-18 - Lester Oaks - Construction Site Plan (CSP), (2nd Submittal)**
Owner(s): Christopher Williams
Applicant(s): Faber Engineering - Tom Faber
Location: 550 W Lester Rd
Project: 7 Lot Residential Subivision
Project Manager: Amer Hamza

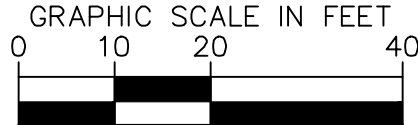
ITEMS FOR DISCUSSION

ADJOURNMENT

Plotted By: Smith, Russell Sheet Set: YOTHS-ERS OUTPARCEL Layout: C2020 11:38:09am
 K:\civild\49894000-west alpoka outparcel\CADD\CONST-plan\sheets\C20-SWPPP.dwg
 This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kinley-Horn and Associates, Inc. shall be without liability to Kinley-Horn and Associates, Inc.

SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

CITY OF APOPKA	FLORIDA		
SHEET NUMBER C2.0			
YOTHERS OUTPARCEL			
STORMWATER POLLUTION PREVENTION PLAN			
KHA PROJECT 2497860000	LICENSED PROFESSIONAL JOSEPH PELLARINI, P.E.		
DATE 07/23/2026	ON THE DATE ADJACENT TO THE SEAL.		
SCALE AS SHOWN	« JOE PELLARINI, P.E. » « STATE OF FLORIDA » « ENGINEER »		
DESIGNED BY JTP	PLICENSEE NUMBER 923883		
DRAWN BY RAS	SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.		
CHECKED BY JTP	DATE: 07/23/2026		
Kimley»Horn 200 SOUTH ORANGE AVE., STE. 600 ORLANDO FL 32801 WWW.KIMLEY-HORN.COM 407-879-1511			
No.	REVISIONS	DATE	BY



1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. SEE DETAIL SHEET C7.0.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C7.0.
6. UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C7.0.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS. SEE SHEET C7.0.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ELEVATIONS SHOWN HEREIN ARE BASED UPON SITE DEVELOPMENT BENCHMARKS REFERENCED TO ORANGE COUNTY ALUMINUM DISC ID #2147, PUBLISHED ELEVATION=127.46 FEET (NAVD1988)

Kimley»»Horn
200 SOUTH ORANGE AVE. STE. 600
ORLANDO, FL 32801
407.878-1511
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
JOSEPH H. PELLARIN
LICENSE
JOE PELLARIN, P.E.
STATE OF
FLORIDA
FL LICENSE NUMBER
02385
DATE: 07/23/2026

AND
LAN

YOTHERS OUTPARCEL	CITY OF APOPKA FLORIDA
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Page 6 of 6

	PROPERTY LINE (TYP.)
	TYPE III SILT FENCE (SEE DETAIL SHEET C7.0)
	INLET PROTECTION (SEE DETAIL SHEET C7.0)
	EXISTING SANITARY SEWER LINE
	EXISTING FORCE MAIN
	EXISTING WATER LINE
	EXISTING RECLAIM WATER LINE
	EXISTING STORM PIPE
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNIDENTIFIED UTILITY
	EXISTING STORM MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SIDEWALK
	EXISTING SIDEWALK TO BE DEMOLISHED
	EXISTING PAVEMENT TO BE DEMOLISHED

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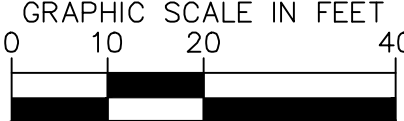


IMPERVIOUS AREAS – ALLOWABLE ACREAGE	
ALLOWABLE FOR OVERALL DEVELOPMENT – 5.924 AC PER SJRWMD ERP 159885-1 & 159885-2	
EXISTING IMPERVIOUS (PHASE 1)	4.212 AC.
EXISTING IMPERVIOUS (PHASE 2)	1.166 AC.
TOTAL EXISTING IMPERVIOUS	5.378 AC.
PROPOSED IMPERVIOUS (PHASE 3)	0.394 AC.
TOTAL IMPERVIOUS	5.772 AC.

Always call 811 two full business days before you dig to have underground utilities located and marked.

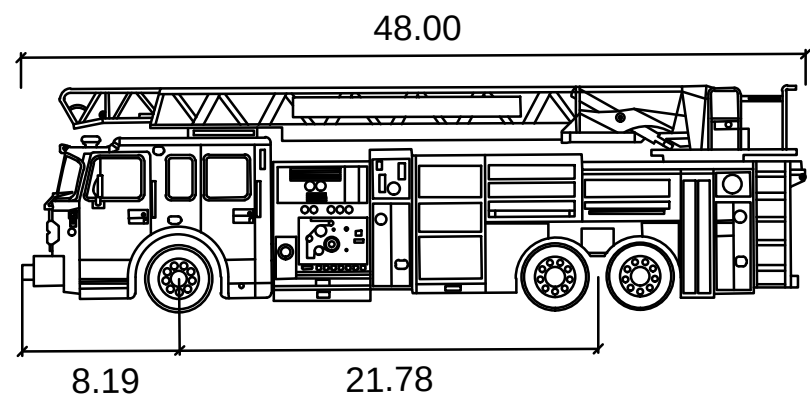
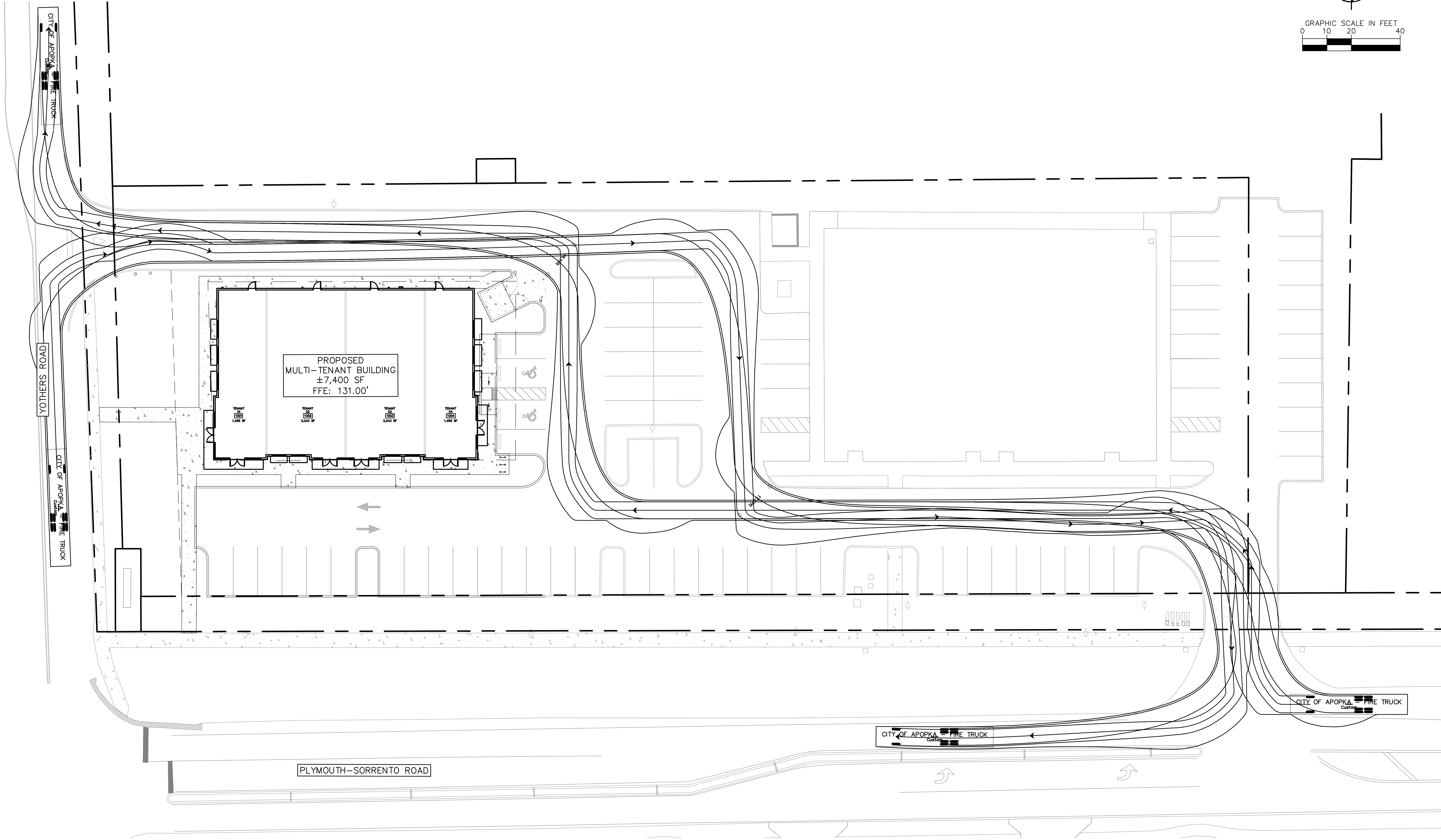
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	PROPERTY LINE (TYP.)
	PROPOSED LIGHT DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
	PROPOSED CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
	PROPOSED HEAVY DUTY CONCRETE FOR DUMPSTER ENCLOSURE (SEE DETAIL SHEET C7.0)
	EXISTING CONCRETE SIDEWALK



YOTHERS
OUTPARCEL

Plotted By:Russell, Russel - Sheet Set:YOTHERS OUTPARCEL Layout: C4.1 July 23, 2026 11:38:55am K:\proj_civil\249894\00-west.apopka outparcel\CADD\CONST\plansheets\C4.1-FIRE TRUCK ROUTING PLAN.dwg
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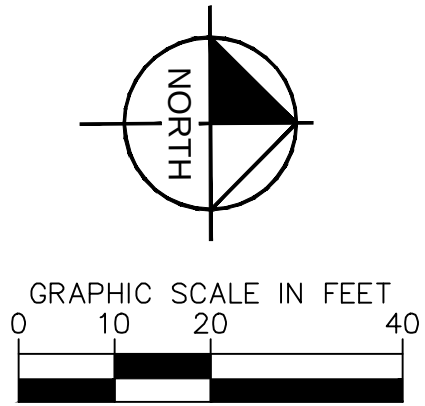
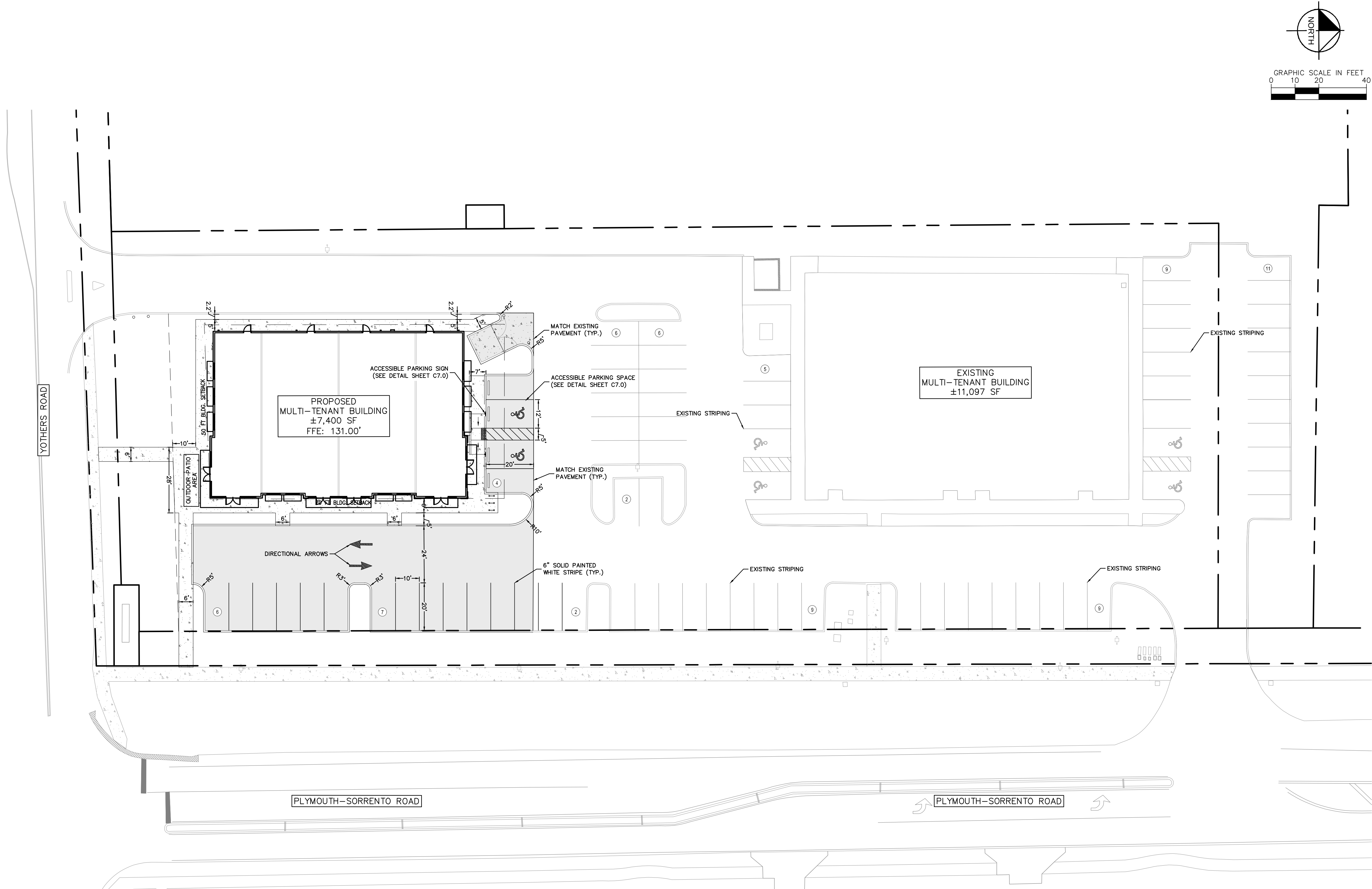
CITY OF APOPKA - FIRE TRUCK

	feet
Width	: 8.25
Track	: 6.91
Lock to Lock Time	: 6.0
Steering Angle	: 46.3

Always call 811 two full business days before you dig to have underground utilities located and marked.



YOTHERS OUTPARCEL	FIRE TRUCK ROUTING PLAN	KHA PROJECT 249786000 DATE 07/23/2026 SCALE AS SHOWN DESIGNED BY JTP DRAWN BY RAS CHECKED BY JTP	LICENSED PROFESSIONAL ENGINEER JOE PELLARIN, P.E. FLORIDA LICENSE NUMBER 92385 DATE: 07/23/2026	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOE PELLARIN, P.E. ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	Kimley»Horn 200 SOUTH ORANGE AVE., STE 600 ORLANDO, FL 32801 WWW.KIMLEY-HORN.COM	No.	REVISIONS	BY
SHEET NUMBER C4.1		CITY OF APOPKA		FLORIDA				

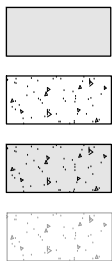


PARKING DATA:

REQUIRED PARKING:

EXISTING (PHASE 2)	
PROFESSIONAL OFFICE (3 SPACE PER 1000 GROSS SF):	33 SPACES
11,000SF x 3/1000 =	
PROPOSED (PHASE 3)	
RETAIL (1 SPACE PER 250 SF):	6 SPACES
1,455 SF x 1/250 =	
FOOD USER (1 SPACE PER 75 PARTRON FLOOR AREA):	
(PLUS 1 SPACE PER 4 FIXED SEATS)	
2,243 SF x 1/200 + 40 SEATS x 1/4 =	22 SPACES
PROFESSIONAL OFFICE (3 SPACE PER 1,000 SF):	
3,698 SF x 3/1,000 =	11 SPACES
TOTAL PARKING SPACES REQUIRED:	72 SPACES
PROVIDED PARKING:	
PROVIDED STANDARD PARKING	55 SPACES
EXISTING (PHASE 2)	
PROPOSED (PHASE 3)	15 SPACES
PROVIDED HANDICAP PARKING	
EXISTING (PHASE 2)	4 SPACES
PROPOSED (PHASE 3)	2 SPACES
TOTAL VEHICLE SPACES:	76 SPACES

LEGEND



PROPERTY LINE (TYP.)
PROPOSED LIGHT DUTY ASPHALT PAVEMENT
(SEE DETAIL SHEET C7.0)
PROPOSED CONCRETE SIDEWALK
(SEE DETAIL SHEET C7.0)
PROPOSED HEAVY DUTY CONCRETE
FOR DUMPSTER ENCLOSURE
(SEE DETAIL SHEET C7.0)
EXISTING CONCRETE SIDEWALK

Always call 811 two full business days before you dig to
have underground utilities located and marked.



YOTHERS OUTPARCEL	SHEET NUMBER C4.2	PARKING PLAN	KHA PROJECT 249786000 DATE 07/23/2026 SCALE AS SHOWN DESIGNED BY JTP DRAWN BY RAS CHECKED BY JTP	LICENSED PROFESSIONAL ENGINEER JOE PELLARIN, P.E. STATE OF FLORIDA LICENSE NUMBER 92388 DATE: 07/23/2026 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOE PELLARIN, P.E. ON THE PRESENT DOCUMENT ON THE SIGNATURE TO THE SEAL SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	Kimley»Horn 200 SOUTH ORANGE AVE., STE. 600 ORLANDO, FL 32801 WWW.KIMLEY-HORN.COM	REVISIONS	No.	DATE	BY



1. ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SPRINKLER SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED TO BE EXPOSED TO THE STREET SURFACE TO INDICATE THAT ALL UNDERGROUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 (LATEST EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR BRANCHES," (F.A.C. 69A-6.00-05(2)).
2. ALL FIRE SERVICE MAIN LOCATED DOWNSTREAM OF THE FIRE POINT OF SERVICE (POS) SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI'S CODES TO VERIFY REQUIREMENTS WITH A.H.J. AND LOCAL FIRE DEPARTMENT PRIOR TO SHOP DRAWING REVIEW.
3. EACH POS SHALL BE PER NFPA 24, SEC 5.9.3.1 AND SHALL NOT BE LOCATED MORE THAN 100 FT FROM THE NEAREST FIRE HYDRANT, (NFPA 14: 6.3.5.4).
4. PROVIDE SIGNAGE, INDICATING ITS LOCATION AND THE BUILDING IT SERVES, FOR ALL PROPOSED FIRE DEPARTMENT CONNECTIONS (F.D.C.).
5. PRIOR TO FIRE LINE INSTALLATION, THE FLORIDA LICENSED CONTRACTOR SHALL SUBMIT LAYOUT DESIGN DRAWINGS TO THE CITY OF MIAMI FIRE DEPARTMENT, 2010 FLORIDA STATUTE 533.79, DRAWINGS MUST BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER, THE DRAWINGS MUST SHOW THE UNDERGROUND FIRE MAINS AND FIRE DEPARTMENT CONNECTIONS FROM THE POINT OF SERVICE AS DEFINED UNDER FLORIDA STATUTE 633.102, THE DESIGN SHALL BE IN ACCORDANCE TO THE FLORIDA FIRE DEPARTMENT'S PRELIMINARY DESIGN AND ALL APPLICABLE NFPA CODES AND STANDARDS.
6. CONTRACTOR TO ENSURE THAT 36" CLEAR IS PROVIDED AROUND ALL HYDRANTS.
7. PROJECT SHALL CONFORM TO FCCA 688-03(2) CHAPTER 1A AND 101 2021 EDITION.



1. ALL ONSITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED.
2. ALL UTILITIES LOCATED OUTSIDE THE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
3. MAINTAIN A MINIMUM OF 3-FT OF COVER OVER ALL PROPOSED UTILITIES.
4. ALL WATER MAIN, AND DOMESTIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND CONSTRUCTION SPECIFICATION MANUAL.
5. BUILDING A BACKFILL SHALL BE INSTALLED PER CITY UTILITIES STANDARDS.
6. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY LINES WITH ADJACENT PROPERTY OWNERS.
7. ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY PRIOR TO WORK.
8. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND THE CONTRACTOR SHALL NOTIFY THE CITY OF APOPKA, FLORIDA (1-800-432-4770) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS FOR CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
9. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION LINES, ELECTRIC SERVICE, LIGHTING SYSTEMS, TELEPHONE, CABLE, GAS, SEWER, OR OTHER UTILITY, POTABLE WATER LINES, NATURAL GAS LINES), THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND NOTIFY THE ENGINEER.
10. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL EXISTING ON-SITE CONNECTIONS, UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/ DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE MUNICIPALITY SHALL BE NOTIFIED OF ANY CHANGES TO THE PLAN.
11. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL PROVIDE ALL NECESSARY CROSSINGS AND BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION AND TRENCHING WITH THE CITY OF APOPKA.
12. CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS, TO THE MAXIMUM EXTENT, BY THE INSTALLATION OF UTILITIES. CONTRACTOR SHALL BE NOTIFIED OF ANY DISRUPTIONS TO TRAFFIC OPERATIONS.
13. CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL PLAN WITH THE LOCAL MUNICIPALITY.
14. ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF GRAVITY OF CONDUIT, TO, AND AT AREAS OF CONFLICT WITH EXISTING UTILITIES.
15. SEE PLUMBING PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
16. LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE LIGHTING PLANS FOR OTHERS FOR MORE INFORMATION.
17. ELECTRIC, TELEPHONE, AND OTHER DRY UTILITY LINES SHALL BE MAINTAINED WITHIN THE CITY OF APOPKA STANDARDS, WHICH ROUTE CROSSINGS TO UNPAVED DRIVEWAYS AND PARKING AREAS.
18. ALL UNDERGROUND WATER MAINS AND HYDRANTS SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO ANY CONSTRUCTION OF BUILDING.
19. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
20. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
21. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES WITHIN THE PROJECT RIGHT-OF-WAY, TO, AND AT AREAS OF CONFLICT WITH CITY OF APOPKA MAINS.
22. PRIOR TO INITIATING CONSTRUCTION, CONTACT THE CITY OF APOPKA AT (407) 371-1732 TO SCHEDULE A PRE-CONSTRUCTION MEETING. THE PRE-CONSTRUCTION MEETING CANNOT BE HELD UNTIL THE STAMPED PLANS ARE RELEASED BY THE BUILDING DEPARTMENT. CONSTRUCTION SHALL NOT BE PERMITTED WITHOUT THE CITY OF APOPKA'S APPROVAL OF THE PLANS AND SET OF STAMPED PLANS LOCATED ON THE PROJECT SITE.

DETAILS:
CLEAN OUT TOP: 130.97 N. INV OUT: 127.76 (4" PVC)
CLEAN OUT TOP: 130.98 NW. INV OUT: 127.75 (4" PVC)
CLEAN OUT TOP: 130.98 NW. INV OUT: 127.75 (4" PVC)
CLEAN OUT TOP: 130.98 NW. INV OUT: 127.25 (4" PVC)
CLEAN OUT TOP: 130.98 W. INV OUT: 127.25 (6" PVC)
CLEAN OUT TOP: 130.98 SW. INV OUT: 127.25 (4" PVC)
CLEAN OUT TOP: 130.98 SW. INV OUT: 127.50 (4" PVC)

	PROPOSED SANITARY SEWER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED WATER LINE
	PROPOSED RECLAIMED WATER LINE
	PROPOSED STORM PIPE
	PROPOSED STORM MANHOLE
	PROPOSED SEWER MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION

Sunshine811.com

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY
JOE PELLARIN, P.E.
ON THE DATE ADJACENT TO
THE SEAL

KHA PROJECT	DATE
249786000	07/23/2026

YOTHERS
OUTPARCEL

SHEET NUMBER
C6.0

[illegible]

CONSTRUCTION PLANS

NORTHWEST CHURCH

APOPKA, FLORIDA

OWNER: DIRECTIONS FELLOWSHIP, INC. (NORTHWEST CHURCH)
5495 CLARCONA OCOEE RD.
ORLANDO, FL 32810
PHONE: (407) 578-2088
EMAIL: PBRUNTON@NORTHWESTORLANDO.COM

APPLICANT: DIRECTIONS FELLOWSHIP, INC. (NORTHWEST CHURCH)
5495 CLARCONA OCOEE RD.
ORLANDO, FL 32810
PHONE: (407) 578-2088
EMAIL: PBRUNTON@NORTHWESTORLANDO.COM

DESIGN - BUILD CONTRACTOR: H.J. HIGH CONSTRUCTION COMPANY
105 W. AMELIA STREET
ORLANDO, FL 32805
PHONE: (407) 422-8171
EMAIL: RHIGH@HJHIGH.COM

ARCHITECT: EQUIP STUDIO
245 NORTH MAIN STREET, SUITE 200
GREENVILLE, SC 29601
PHONE: (864) 520-2086

SURVEYOR: AMERICAN SURVEYING & MAPPING, INC
3191 MAGUIRE BLVD, SUITE 200
ORLANDO, FL 32803
PHONE: (407) 426-7979

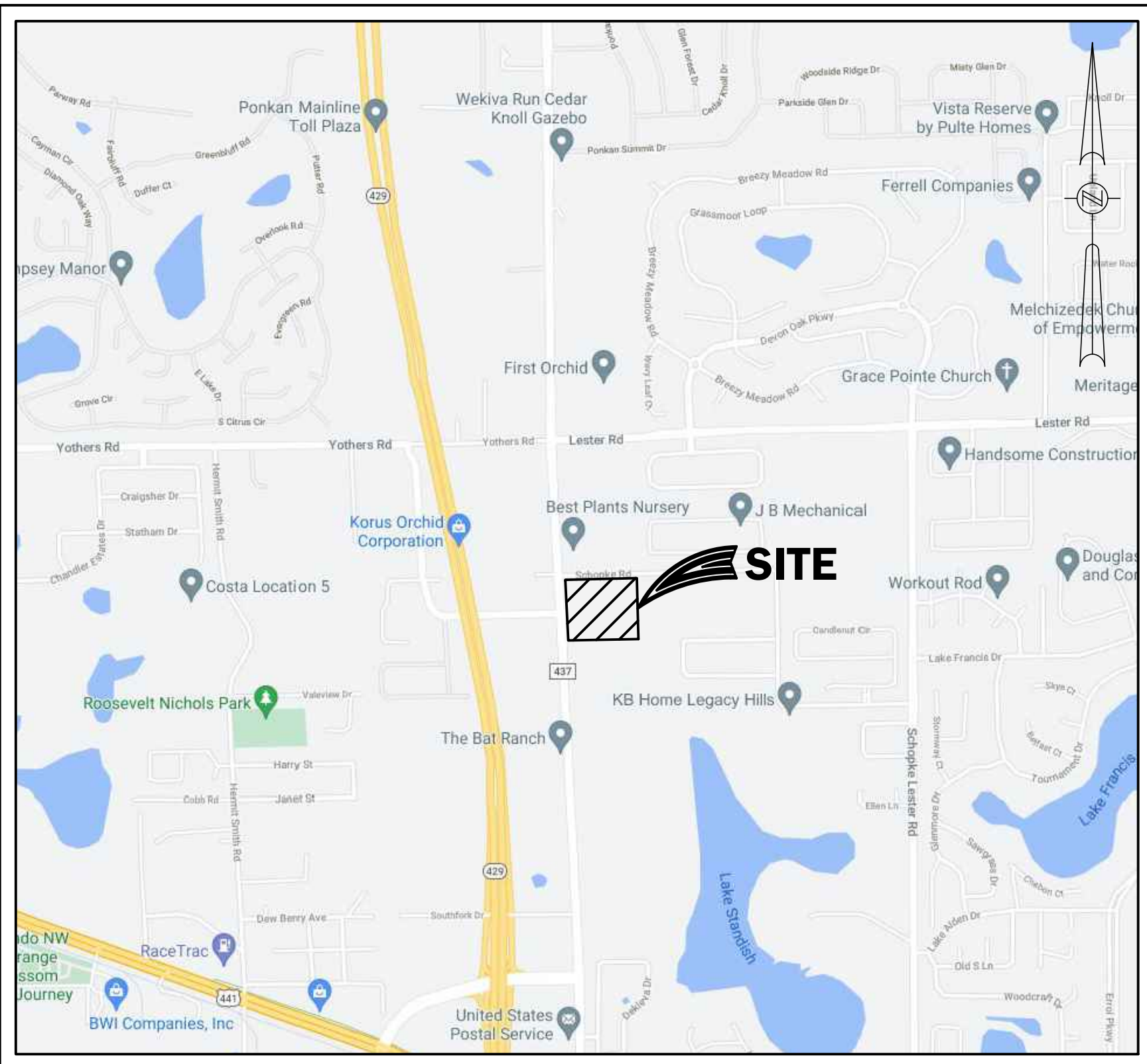
UTILITY COMPANIES

WATER: (407) 703-1731
SEWER: (407) 703-1731
ELECTRIC: (407) 905-3376
TELEPHONE: (850) 599-1444
CABLE: (407) 215-5870
GAS: (407) 656-2734

CITY OF APOPKA
CITY OF APOPKA
DUKE ENERGY
CENTURYLINK
CHARTER COMMUNICATIONS
LAKE APOPKA NATURAL GAS DISTRICT

PARCEL I.D. No. 06-21-28-7172-15-130

SITE VICINITY MAP



NOT TO SCALE

PROJECT STATEMENT: THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A 23,217 S.F. CHURCH CAMPUS ON A 14.69 ACRE SITE. THE CHURCH USE WILL INCLUDE SUNDAY CHILDREN'S MINISTRY AS WELL AS WEEKDAY PROGRAMMING TO INCLUDE A DANCE / REHEARSAL SPACE, AND GROUP CLASSES, AND MUSIC REHEARSAL SPACE.

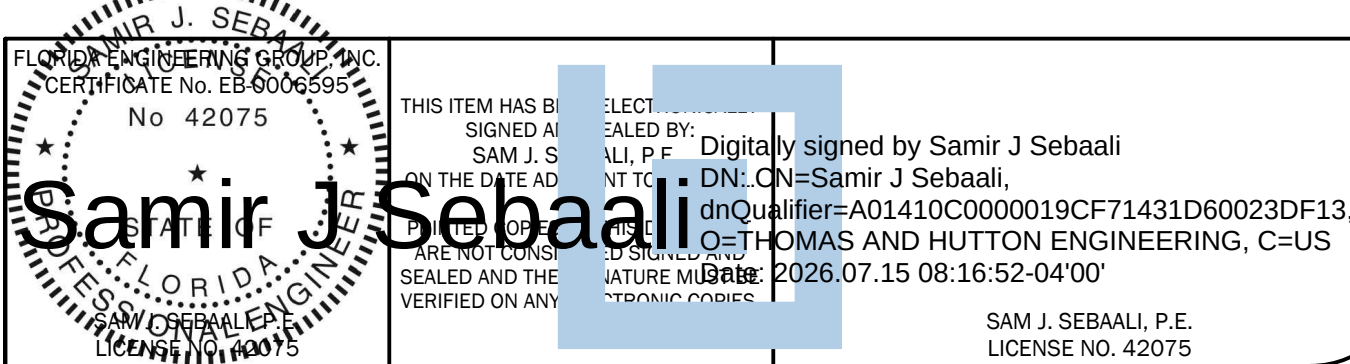


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Fax: 407-895-0325

www.thomasandhutton.com

PLAN INDEX

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- C-5A SITE GEOMETRY PLAN**
- C-6A SITE PAVING, GRADING, AND DRAINAGE PLAN**
- C-6B SITE PAVING, GRADING, AND DRAINAGE NOTES**
- C-7 SITE UTILITY PLAN**
- C-8 SITE CONSTRUCTION DETAILS**
- C-9A CITY OF APOPKA WATER AND SEWER DETAILS (1 OF 2)**
- C-9B CITY OF APOPKA WATER AND SEWER DETAILS (2 OF 2)**
- C-10 LIFT STATION DETAILS**
- C-11A SITE CROSS SECTIONS (1 OF 2)**
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- L-1 SITE LANDSCAPE PLAN**
- L-2 SITE IRRIGATION PLAN**



TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
OAK	6"	20
OAK	8"	11
OAK	10"	3
OAK	11"	2
OAK	12"	1
OAK	20"	1
OAK	22"	2
OAK	24"	3
OAK	26"	2
OAK	30"	2
OAK	46"	1
OAK	48"	1
OAK	50"	1
TRIPPLE OAK	22"	1
TWN OAK	20"	1
TWN OAK	22"	1

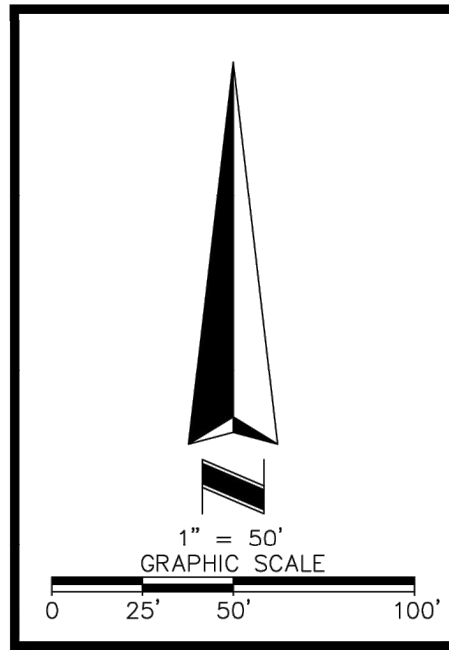
TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
CHINABERRY	6"	7
CHINABERRY	11"	1
CHINABERRY	12"	1
CHINABERRY	10"TWN	1

TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
PALM	12"	2
PALM	15"	4
PALM	18"	3

TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
UNKNOWN	11"	1

TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
CAMPHOR	8"	1

TREE TABLE		
TYPE	DIAMETER Ø	QUANTITY
PINE	12"	1



LEGAL DESCRIPTION

LOTS 9, 12 & 13 (LESS SOUTH 100 FEET), BLOCK O, MAP OF PLYMOUTH, A SUBDIVISION ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK B, PAGES 17 & 18, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

LESS AND EXCEPT

PLYMOUTH SORRENTO ROAD ON THE WEST AND SCHOPKE ROAD ON THE NORTH.

SURVEYOR'S NOTES

1. BEARINGS SHOWN HEREON ARE BASED ON EAST RIGHT-OF-WAY LINE OF PLYMOUTH SORRENTO ROAD, WHICH BEARS N02°46'51"W, PER ASSUMED DATUM.
2. ALL STATEMENTS WITHIN THE CERTIFICATION, AND OTHER REFERENCES LOCATED ELSEWHERE HEREON, RELATED TO: UTILITIES, IMPROVEMENTS, STRUCTURES, BUILDINGS, PARTY WALLS, PARKING, EASEMENTS, SERVITUDES, AND ENCROACHMENTS ARE BASED SOLELY ON INSPECTION AND LOCATION OF ABOVE-GROUND, VISIBLE EVIDENCE, UNLESS ANOTHER SOURCE OF INFORMATION IS SPECIFICALLY REFERENCED HEREON.
3. BUILDING TIES SHOULD NOT BE USED TO RE-ESTABLISH BOUNDARY LINES.
4. THE SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RIGHT-OF-WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF LAND, NOR WAS ANY TITLE WORK PROVIDED TO THIS SURVEYOR BY THE CLIENT.
5. NOT VALID WITHOUT THE CERTIFIED ELECTRONIC SIGNATURE AND SEAL OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR & MAPPER PER FAC SJ-17.062(2) AND SJ17.062(3).
6. NO REVISIONS MAY BE MADE TO THIS BOUNDARY WITHOUT THE WRITTEN, EXPRESSED CONSENT OF THE SIGNING SURVEYOR.
7. ALL RECORDING INFORMATION SHOWN HEREON REFERS TO THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
8. VERTICAL INFORMATION BASED ON: BENCHMARK U 429 HAVING A PUBLISHED ELEVATION OF 102.09' (NAVD 83) DESCRIBED AS: DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "U 429 1994".
9. TREES SHOWN HEREON ARE DESCRIBED BY SPECIES AND DIAMETER OF TRUNK AT BREAST HEIGHT.

UNDERGROUND UTILITIES

UNDERGROUND UTILITIES, AS SHOWN, ARE PER SUB-SURFACE EXCAVATION OR EXPLORATION PERFORMED BY GEORGE F. YOUNG, ON 09-21-22, FOR THE PURPOSE OF PREPARING THIS SURVEY. ONLY VISIBLE SURFACE EVIDENCE OF UTILITIES WAS FIELD LOCATED BY THIS SURVEYOR.

FLOOD INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES WITHIN ZONE "X", AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 120180 0110 F (MAP NO. 12095C0110P), WHICH BEARS AN EFFECTIVE DATE OF 9/25/2009, AND IS NOT IN A SPECIAL FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE. ZONE "X" DENOTES AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

LEGEND AND ABBREVIATIONS

CONCRETE SURFACE	UTILITY POLE
(C) CALCULATED DATA	GUY ANCHOR
(CW) CONCRETE WALK	ELECTRIC METER
(EP) EDGE OF PAVEMENT	SANITARY VALVE
(FTE) FINISHED FLOOR ELEVATION	FIRE HYDRANT
(LB) LICENSED BUSINESS	WATER VALVE
(ORB) OFFICIAL RECORDS BOOK	WELL
(PB) PLAT BOOK	RECLAIM WATER VALVE
(PG) PAGE(S)	RECLAIM WATER METER
(PSM) PROFESSIONAL SURVEYOR AND MAPPER	TELEPHONE PEDESTAL
(WF) WOOD FENCE	CABLE TV PEDESTAL
(USE) BURIED UTILITY LINE	GAS UTILITY MARKER
(FOP) BURIED FIBER OPTIC LINE	SIGNS
(BTL) BURIED TELEPHONE LINE	MAIL BOX
(BWL) BURIED WATER LINE	BENCHMARK
(FM) FORCE MAIN LINE	RECOVERED MONUMENT AS NOTED
(OUL) OVERHEAD UTILITY LINE	FM FORCE MAIN
(CL) CENTERLINE	BTL BURIED TELEPHONE LINE
(RW) RIGHT-OF-WAY LINE	CAMPHOR
(RWL) RECLAIM WATER LINE	CHINABERRY
	OAK
	UNKNOWN
	PALM
	PINE

F.E.G. PROJECT NO.
20-077
SHEET NO.
C-2
SHEET 2 OF 17

SHEET 1
OF 1

VERVEY SURVEYING, MAP & TREE SURVEY, SUBSET
TO THE SURVEYOR'S NOTES CONTAINED HEREON,
MEETS THE APPLICABLE "STANDARDS OF
PRACTICE" AS SET FORTH BY THE FLORIDA
SURVEYING BOARD, AND THE FLORIDA
MAPPERS IN CHAPTER SJ-17, FLORIDA
ADMINISTRATIVE CODE, PURSUANT TO SECTION
472.031, F.S., AND CHAPTER 120, F.S.
ELECTRONICALLY SIGNED BY: Glenn Turner
E: GLENN TURNER PSW #5643
DATE: 2022/07/19 13:22:17 CDT

DATE	REVISIONS	TECH
10-04-22	UTILITY UPDATE	SW

BOUNDARY, TOPOGRAPHIC AND TREE SURVEY OF
NORTHWEST CHURCH
1567 PLYMOUTH SORRENTO ROAD
SECTION 31, TOWNSHIP 20 SOUTH, RANGE 28 EAST
APOPKA, FLORIDA
ORANGE COUNTY

ASM
AMERICAN SURVEYING
& MAPPING, INC.
NDDS SURVEYING SERVICES
3101 Maple Ridge Road, Suite 200, Orlando, FL 32803
407-450-7979
asm@asm-surveying.com

JOB NO.: 210240	APPROVED BY: EGT
SCALE: 1" = 50'	DRAWING FILE #
FIELD DATE: 3/4/2021	210240 - 1567 PLYMOUTH
FIELD BY: JW	SORRENTO RD
DRAWN BY: JLS	BNDY-TPOO_LWG

					GENERAL NOTES: 1. THESE GENERAL NOTES APPLY TO ALL WORK IN THIS SET OF DRAWINGS. 2. 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. 3. THE SPECIFICATIONS, NOTES, AND PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES OF THE CONSTRUCTION BUT DO NOT PURPORT TO COVER ALL DETAILS OF DESIGN AND CONSTRUCTION. HOWEVER, THE CONTRACTOR SHALL FURNISH & INSTALL THE WORK IN ALL DETAILS AND READY FOR OPERATION. 4. ALL EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED, TESTED, AND OPERATED IN STRICT ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S WRITTEN INSTRUCTIONS. 5. ALL WORK SHALL BE ACCOMPLISHED TO THE HIGHEST QUALITY CRAFTSMANSHIP STANDARDS AS APPROVED BY THE ENGINEER. 6. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. 7. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE BIDDING. 8. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM SITE CLEAN-UP OPERATIONS FOR REMOVAL OF ALL TRASH, DEBRIS, EXCESS MATERIAL, AND EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESENT THE PROJECT SITE CLEAN AND IN GOOD ORDER AT THE TIME OF FINAL ACCEPTANCE. 9. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS, AND SPECIFICATIONS OF CITY OF APOPKA FOR SITE IMPROVEMENT IN THE ABSENCE OF A PARTICULAR REQUIREMENT. 10. FLORIDA LAW (F.S. 556) UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT MANDATES THAT EXCAVATORS/ CONTRACTORS SHALL CONTACT SUNSHINE 811 (FKA: SUNSHINE STATE ONE-CALL OF FLORIDA) BY CALLING 800-432-4470 OR 811 AT LEAST 2 FULL BUSINESS DAYS PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION TO ALLOW MEMBER OPERATORS AN OPPORTUNITY TO IDENTIFY AND MARK THEIR UNDERGROUND FACILITIES AND APPROPRIATELY RESPOND TO THE POSITIVE RESPONSE SYSTEM. 11. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV COMPANIES. 12. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON, OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING. 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 FOR REVIEW BY THE ENGINEER AND OWNER. 13. THE CONTRACTOR SHALL FURNISH OWNER WITH ACCURATE RECORD DRAWINGS PREPARED BY A LICENSED PROFESSIONAL SURVEYOR SHOWING AS-CONSTRUCTED HORIZONTAL AND VERTICAL DIMENSIONING OF THE WORK. THE SUBMITTAL COPY OF THE RECORD DRAWINGS WILL NOT BE RETURNED. THE RECORD DRAWING OR A REPRODUCIBLE COPY PREPARED BY THE ENGINEER SHALL BE CERTIFIED BY THE CONTRACTOR AS CORRECT. 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, DRAINAGE, WATER, AND SEWER NOTES. 14. ALL PRIVATE AND PUBLIC PROPERTIES AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED. 15. THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS IN PREPARING THE SITE FOR CONSTRUCTION; THIS INCLUDES REMOVAL OF ANY EXISTING ORGANIC SOILS, DELETERIOUS MATERIAL, VEGETATION, AND/OR DEBRIS FROM WITHIN THE LIMITS OF CONSTRUCTION AS IDENTIFIED BY THE GEOTECHNICAL ENGINEER; PROOFROLLING OF THE NATURAL SOILS WHERE REQUIRED; AND OTHER GENERAL SITE PREPARATION REQUIREMENTS. SPECIFIC PROOFROLLING COMPACTION REQUIREMENTS SHOULD BE CONSISTENT WITH THE APPLICABLE DESIGN DOCUMENTS AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF THERE IS A CONFLICT BETWEEN THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND THE DESIGN DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. GEOMETRY NOTES: 1. THESE PLANS ARE BASED ON A SURVEY PREPARED FOR THE OWNER BY AMERICAN SURVEYING & MAPPING, INC., DATED 03/04/2021, AND UPDATED ON 10/24/2022. 2. REFER TO SHEET C-2 FOR REFERENCED BENCHMARK. 3. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE & CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL & VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY APPARENT DISCREPANCIES ARE FOUND. 4. ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. 5. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE BUILDING GEOMETRY SHOWN WITH THAT IN THE FINAL ARCHITECTURAL DRAWINGS, PRIOR TO STAKE-OUT, & SHALL NOTIFY OWNER & ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. MARKING, STRIPING, & SIGNAGE NOTES: 1. ALL MARKINGS MUST COMPLY WITH THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE CITY OF APOPKA LAND DEVELOPMENT CODE. PARKING SPACES MAY BE F.D.O.T. RATED PAINT. ALL OTHER MARKINGS MUST BE THERMOPLASTIC. 2. HANDICAP PARKING SPACES SHALL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FLORIDA STATUTE 316, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND OTHER APPLICABLE STANDARDS. REFER TO F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS INDEX 17355 FOR HANDICAP SYMBOL. 3. HANDICAP SIGN SHALL BE F.D.O.T. SPECIFICATION FTP 25. PAVING, GRADING, & DRAINAGE NOTES: 1. ALL CONSTRUCTION, INCLUDING SIDEWALKS, SHALL BE IN ACCORDANCE WITH CITY OF APOPKA CONSTRUCTION SPECIFICATIONS AND OTHER GENERAL AND SPECIMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, UNLESS STATED OTHERWISE IN THE SPECIFICATIONS OR ON THE PLANS. 2. SUBSURFACE INFORMATION PROVIDED WITH THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. 3. 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 THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. 4. ALL FILL MATERIAL IN GENERAL IMPROVEMENT AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180. SPECIFIC SITE PREPARATION METHODS, TYPE OF FILL TO BE USED FOR PARKING AND BUILDING AREAS, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. (SEE GEOTECHNICAL REPORT PREPARED BY TERRACON, PROJECT NO. H1225263) REFER TO STRUCTURAL, ARCHITECTURAL, AND GEOTECHNICAL DOCUMENTS FOR ANY WORK RELATED TO BUILDINGS AND OTHER VERTICAL ELEMENTS FOR SPECIFIC SITE IMPROVEMENT AND FILL REQUIREMENTS. THIS PLAN ONLY COVERS SITE RELATED IMPROVEMENTS AND INFRASTRUCTURE. REFER TO PAVEMENT SECTION DETAILS FOR MATERIAL AND COMPACTION REQUIREMENTS OF PAVEMENT SUBGRADE. 5. ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL, CABLE TV, AND TELEPHONE SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION. 6. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PROBLEMS REQUIRING DEVIATION FROM THESE PLANS AND SPECIFICATIONS. 7. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OF ALL MAJOR ITEMS PROPOSED FOR THIS PROJECT TO THE ENGINEER PRIOR TO ORDERING ANY OF THE EQUIPMENT. UPON THE CONTRACTOR'S RECEIPT OF APPROVED SHOP DRAWINGS FROM THE ENGINEER, THE CONTRACTOR MAY PROCEED WITH THE WORK. 8. ALL DISTURBED AREAS MUST BE SODDED UNLESS OTHERWISE NOTED ON THE PLANS. ALL SODDING MUST BE DONE IN ACCORDANCE THE 2018 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION. 9. PROVIDE HANDICAP ACCESS WHERE SIDEWALKS MEET CURBS. EROSION CONTROL NOTES: 1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH CITY OF APOPKA SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES. 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. CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENTATION DURING CONSTRUCTION. 4. ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION. 5. PRIOR TO LAND CLEARING THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF CITY OF APOPKA. 6. THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.	WATER & SEWER UTILITY NOTES: 1. CONTRACTOR SHALL COORDINATE WITH CITY OF APOPKA FOR CONSTRUCTION OF THE WATER AND SEWER SYSTEMS, RESPECTIVELY. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THEIR SPECIFICATIONS AND REQUIREMENTS, AS APPLICABLE AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE. 2. CONTRACTOR SHALL COORDINATE ALL WATER AND SEWER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE AND PROVIDE FIVE (5) WORKING DAYS NOTICE OF WATER AND SEWER TESTS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION AND AT CONTRACTOR'S EXPENSE. 3. ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVAL FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS. 4. SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONTRACTOR. 5. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE-INS. 6. 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. 7. SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED. 8. 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.
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F.D.E.P. CONSTRUCTION NOTES:

UTILITY SEPARATION - VERTICAL CLEARANCE:

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS 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 SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12" BELOW THE OTHER PIPELINE; AND NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS 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 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.

2. AT THE UTILITY CROSSINGS DESCRIBED 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 OR THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

UTILITY SEPARATION HORIZONTAL SEPARATION:

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III CHAPTER 62-610, F.A.C.; A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER (OR A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN WILL BE LAID AT LEAST (6") SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

2. THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTING OF ALL NEWLY-INSTALLED WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE CITY OF APOPKA & IN ACCORDANCE WITH AWWA STANDARD C600 FOR DUCTILE-IRON PIPE. TESTING SHALL BE IN ACCORDANCE WITH AWWA MANUAL M23 FOR PVC PIPE.

3. THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE F.D.E.P. WATER PERMIT, & RECEIVE APPROVAL THEREOF FROM THE LOCAL WATER UTILITY, ENGINEER OF RECORD, & F.D.E.P., PRIOR TO PLACING IN SERVICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE F.D.E.P. WATER & SEWER PERMITS FROM THE PERMITS FROM THE OWNER & MAINTAIN THEM ON THE JOB SITE AT ALL TIMES. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA 651 "DISINFECTING WATER MAINS". SHALL BE PERFORMED IN ACCORDANCE WITH AWWA 651 "DISINFECTING WATER MAINS".

CONNECTION TO EXISTING WATER MAINS:

1. IF CONNECTION OF THE PROPOSED ACTIVITY TO THE WATER MAIN WILL RESULT IN DEPRESSURIZATION OF THE EXISTING SYSTEM BELOW 20 POUNDS PER SQUARE INCH, ONE OF THE FOLLOWING MUST OCCUR:

A. PRECAUTIONARY BOIL WATER NOTICES MUST BE ISSUED IN CASES OF PLANNED DISTRIBUTION INTERRUPTIONS, WHICH DEEMED AN IMMINENT PUBLIC HEALTH THREAT BY THE D.E.P. CENTRAL DISTRICT OR WILL AFFECT BACTERIOLOGICAL QUALITY OF THE DRINKING WATER UNLESS THE PUBLIC WATER SYSTEM CAN DEMONSTRATE, BY SOUND ENGINEERING JUDGMENT, THAT THE INTEGRITY OF THE WATER QUALITY ARE EXPECTED TO OCCUR & NOT DEEMED AN IMMINENT PUBLIC HEALTH RISK.

B. IN CASES OF BRIEF INTERRUPTION IN SERVICE, ADVISORIES (NOT BOIL WATER NOTICES) SHOULD BE ISSUED IF TEMPORARY CHANGES IN WATER QUALITY ARE EXPECTED TO OCCUR & NOT DEEMED AN IMMINENT PUBLIC HEALTH RISK.

FILLING OF WATERMAINS:

1. FILLING OF PROPOSED WATER MAINS FROM EXISTING WATER MAINS WILL BE DONE IN ACCORDANCE WITH AWWA SPECIFICATIONS C651.

 LEGEND SITE POLE SIGN SMALL PYLON SIGN LARGE PYLON SIGN RIGHT TURN DIRECTIONAL ARROW STRAIGHT DIRECTIONAL ARROW LEFT TURN DIRECTIONAL ARROW STRAIGHT AND LEFT TURN DIRECTIONAL ARROW STRAIGHT AND RIGHT TURN DIRECTIONAL ARROW HANDICAP PARKING SYMBOL F.D.O.T. TYPE "D" CURB F.D.O.T. TYPE "F" CURB AND GUTTER GATE VALVE BOX, WV= WATER, FV= FIRE, IV= IRRIGATION, & SSV= SANITARY SEWER CHAINLINK FENCE DECORATIVE WOOD OR ALUMINUM FENCE BARB WIRE FENCE HANDRAIL SCREEN/RETAINING WALL, AS NOTED. BIKE RACK PARKING COUNT SYMBOL PER ROW ROAD CENTERLINE SYMBOL GRADING & DRAINAGE F.D.O.T. TYPE "C" DRAINAGE INLET F.D.O.T. TYPE "D" DRAINAGE INLET F.D.O.T. TYPE "E" DRAINAGE INLET F.D.O.T. TYPE "1" DRAINAGE INLET F.D.O.T. TYPE "2" DRAINAGE INLET F.D.O.T. TYPE "3" DRAINAGE INLET F.D.O.T. TYPE "4" DRAINAGE INLET F.D.O.T. TYPE "5" DRAINAGE INLET F.D.O.T. TYPE "6" DRAINAGE INLET STORM DRAINAGE MANHOLE MITERED END SECTION STORM DRAINAGE PIPE DRAINAGE FLOW DIRECTIONAL ARROW DRAINAGE STRUCTURE BUBBLE GRADE ELEVATION CONTOUR ELEVATION EROSION CONTROL SILT FENCE UTILITY DCDA - DOUBLE CHECK DETECTOR ASSEMBLY DCVA - DOUBLE CHECK VALVE ASSEMBLY RPZ - REDUCED PRESSURE ZONE DEVICE DOMESTIC METER IRRIGATION METER GATE VALVE BLOW-OFF GATE VALVE REDUCER WET WELL 11.25' PIPE BEND 22.5' PIPE BEND 30' PIPE BEND 45' PIPE BEND 60' PIPE BEND 90' PIPE BEND TEE CROSS FIRE HYDRANT ASSEMBLY W/ UNOBSTRUCTED AREA CLEARANCES AS REQUIRED BY FIRE MARSHALL FIRE DEPARTMENT CONNECTION CLEAN OUT LIFT STATION GREASE TRAP SITE LIGHTING DECORATIVE SITE LIGHTING UTILITY POLE |

EROSION CONTROL SITE DESCRIPTION NOTES:

1. THE PROPOSED CONSTRUCTION ACTIVITY WILL ENTAIL THE CLEARING & GRUBBING OF AN APPROXIMATELY 8.75 ACRE AREA OF A TOTAL 14.69 ACRE SITE PLUS 0.5 ACRE AREA WITHIN THE ADJACENT RIGHT-OF-WAY AREA LOCATED AT PLAYMOUTH SORRENTO ROAD & SCHOPKE ROAD TO BUILD A CHURCH CAMPUS, WITH ITS ASSOCIATED PARKING, DRAINAGE & UTILITIES.
2. THE SEQUENCE OF SOILS DISTURBANCE ACTIVITY IS AS FOLLOWS:
 - A. INSTALL SILT FENCE AS SHOWN ON THE PLANS & PROVIDE TREE PROTECTION ON SITE, IF APPLICABLE.
 - B. ROUGH GRADE PROPOSED POND AREA(S) OR TEMPORARY SEDIMENTATION BASIN(S).
 - C. CLEAR & GRUB THE AREA TO BE DISTURBED. ENSURE THAT DRAINAGE FROM SITE DURING CONSTRUCTION IS CONVEYED TO THE POND(S) OR TEMPORARY SEDIMENTATION BASIN(S).
 - D. PLACE FILL ON-SITE TO BRING THE SITE UP TO THE PROPOSED GRADES.
 - E. BEGIN COMPACTION / STABILIZATION PROCESS.
3. THE TOTAL SITE AREA IS 14.69 ACRES & THE AREA TO BE DISTURBED IS 8.75 ACRES.
4. THE EXISTING SOIL IS TAVARES-MILLHOPPER COMPLEX.
5. THE TOTAL DRAINAGE AREA FOR THE PROJECT IS APPROXIMATELY 8.0 ACRES.
6. THE SITE IS LOCATED WITHIN THE APOPKA DRAINAGE BASIN.
7. WASTE DISPOSAL SHALL BE IMPLEMENTED IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. ALL TRUCKS EXITING THE SITE WILL BE HOSED, ITS LOAD COVERED and the COVER PROPERLY SECURED. THE STORAGE, APPLICATION, GENERATION & MIGRATION OF ALL FERTILIZERS, HERBICIDES, PESTICIDES & TOXIC MATERIAL SHALL BE IN ACCORDANCE w/ LOCAL, STATE & FEDERAL REGULATIONS.
8. CONTRACTOR SHALL IDENTIFY THE INDIVIDUAL(S) RESPONSIBLE FOR THE WEEKLY & REQUIRED INSPECTIONS. A REPORTING SYSTEM ENTAILING THE ITEMS TO BE INSPECTED & THEIR CONDITION SHOULD BE DOCUMENTED & PLACED IN A DEDICATED FILING SYSTEM THAT WILL REMAIN ON THE PROJECT SITE, ACCESSIBLE TO THE CONSTRUCTION TEAM & TO THE F.D.E.P. INSPECTORS.
9. INSPECTIONS: CONSTRUCTION SITE WILL BE INSPECTED FOR EROSION PROBLEMS DAILY AND AFTER AFTER EACH RAINFALL GREATER THAN 0.5 INCH. A RAIN GAUGE WILL BE ON SITE TO MEASURE THE RAINFALL AMOUNT. THE CONTRACTOR SHALL DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED IMMEDIATELY.
10. ALL EXCESS FILL MATERIAL SHALL BE HAULED OFFSITE. SEDIMENTATION CONTROLS AND BMPS SHALL PREVENT STORMWATER RUNOFF WITH TURBIDITY GREATER 11. THAN 29 NTUS FROM LEAVING THE CONSTRUCTION SITE.

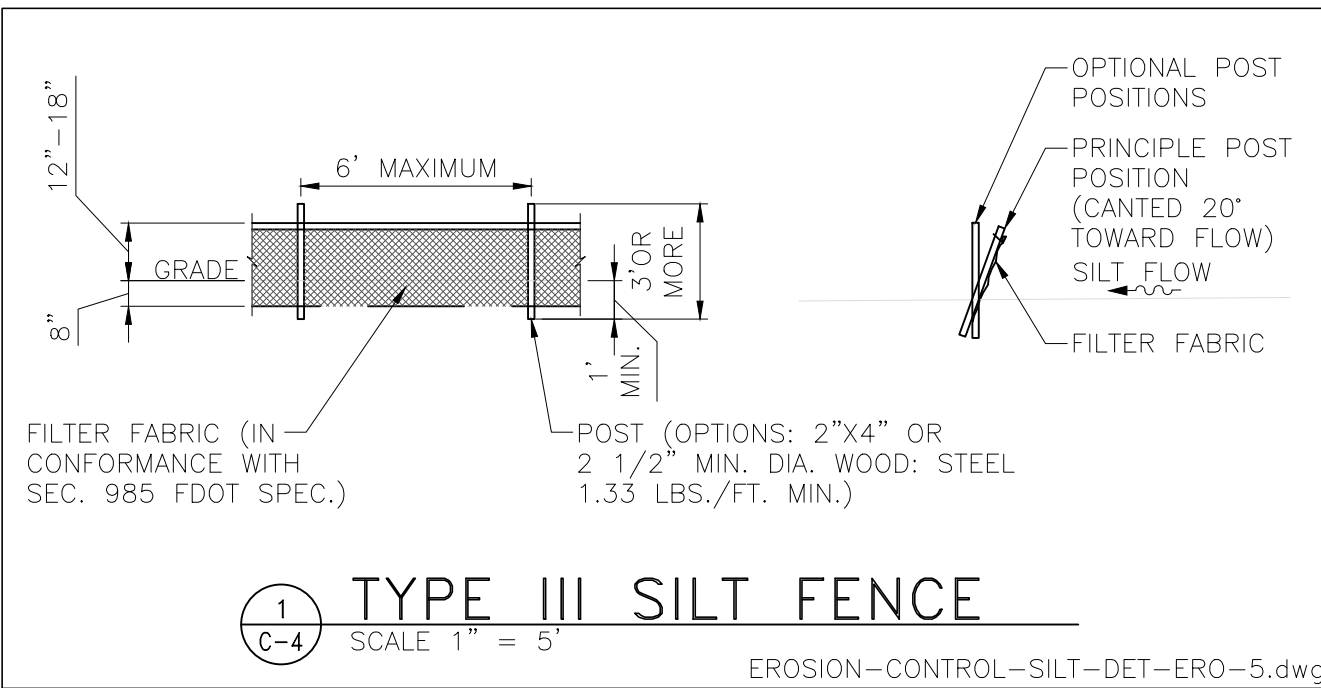
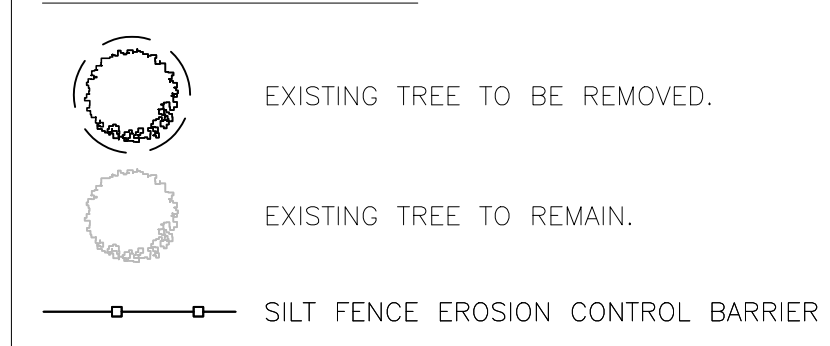
EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, & LOCAL CODES, ORDINANCES, & REGULATIONS GOVERNING POLLUTION OF THE ENVIRONMENT & SHALL IMPLEMENT ALL MEASURES NEEDED TO ENSURE ADEQUATE EROSION & SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES SHALL CONFORM TO CITY OF APOPKA, FL. JOHNS RIVER WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, & FLORIDA DEPARTMENT OF TRANSPORTATION REQUIREMENTS. INSTALLATION OF SILT FENCES & TURBIDITY BARRIERS SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
2. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE APPLIED AS A PERIMETER DEFENSE AGAINST THE TRANSPORTATION OF SILT & SEDIMENTS OFF THE PROJECT SITE OR INTO ADJACENT WATER BODIES OR WETLANDS.
3. THE CONTRACTOR SHALL PREPARE & IMPLEMENT AN EROSION CONTROL PLAN AS PART OF THE SCOPE OF WORK COVERED BY THESE PLANS. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION & SEDIMENT TRANSPORT DURING CONSTRUCTION. THE FLORIDA DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND & WATER MANAGEMENT" MAY BE USED AS REFERENCE FOR RECOMMENDED BEST MANAGEMENT PRACTICES RELATED TO EROSION & SEDIMENT CONTROL.
4. THE CONTRACTOR SHALL SUBMIT THE EROSION CONTROL PLAN TO THE OWNER FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
5. ALL EROSION & SEDIMENT CONTROL MEASURES WHICH ARE NECESSARY TO LIMIT THE TRANSPORT OF SILTS & SEDIMENTS TO OUTSIDE THE LIMITS OF THE WORK AREA OR TO WATER BODIES OR WETLANDS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE BEST MANAGEMENT PRACTICES & IMPLEMENT STRUCTURAL MEASURES AS NEEDED TO PREVENT EROSION & SEDIMENT TRANSPORT FROM THE WORK AREAS. THE FOLLOWING ARE MINIMUM RECOMMENDED GUIDELINES TO BE IMPLEMENTED DURING CONSTRUCTION AS PART OF THE EROSION & SEDIMENT CONTROL PLAN:
 - A. STOCKPILING OF MATERIAL
NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
 - B. EXPOSED AREA LIMITATION & PROTECTION
THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING & GRUBBING OPERATIONS OR EXCAVATION & FILLING OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF OFF-SITE SEDIMENT TRANSPORT. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING EFFECTIVE EROSION & SEDIMENT CONTROL MEASURES SUCH AS SILT SCREENS, SYNTHETIC BALES, TURBIDITY BARRIERS, SWALES, OR A COMBINATION OF THESE & OTHER MEASURES AS WARRANTED.
 - C. INLET PROTECTION
INLETS & CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.
 - D. TEMPORARY GRASSING
AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED AS TO NOT ALTER OR COMPLETE WITH PERMANENT GRASSING. SLOPES STEEPER THAN 6:1 SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES OF LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF 4 INCHES. THE SEEDED OR SEEDED & MULCHED AREAS SHALL BE ROLLED & WATERED AS NEEDED TO ENSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. IF AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% OF GOOD GRASS COVER, THE AREAS WILL BE REWORKED & ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER. REWORKED & ADDITIONAL SEED APPLIED
 - E. MAINTENANCE
EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE EROSION & CONTROL MEASURES ON A DAILY BASIS & 24 HOURS FOLLOWING RAINFALL EVENTS (0.5" OR GREATER) & IMMEDIATELY REPAIR ANY OBSERVED DAMAGED CONTROLS. ALL EROSION & SEDIMENT CONTROLS SHALL BE MAINTAINED AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
6. AREAS OF SOILS DISTURBANCE IS LIMITED TO THE AREA WITHIN THE SILT FENCE LIMITS AS SHOWN ON THIS PLAN.
7. ALL DISTURBED PERVIOUS AREAS WILL BE SODDED, UNLESS OTHERWISE NOTED.
8. NO WETLANDS & SURFACE WATERS EXIST ON THIS PROJECT.
9. ALL EXCESS FILL SHALL BE HAULED OFF SITE.
10. SEDIMENTATION CONTROLS AND BMPS SHALL PREVENT STORMWATER RUNOFF WITH TURBIDITY GRATER THAN 29 NTUS FROM LEAVING THE CONSTRUCTION SITE.

DUST CONTROL & PREVENTION:

- THE SURFACE AREA OF OPEN, RAW ERODIBLE SOILS EXPOSED BY CLEARING & GRUBBING OPERATIONS OR EXCAVATION & FILLING OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF DUST PRODUCTION. IN ADDITION,
1. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING DUST CONTROL MEASURES SUCH AS STABILIZING EXPOSED SOILS USING VEGETATION, MULCHING, SPRAY-ON ADHESIVES, CALCIUM CHLORIDE, WET SUPPRESSION (WATERING) AND STONE/GRAVEL LAYERING AS APPLICABLE FOR THE PROJECT AND DEEMED NECESSARY BY THE CONTRACTOR TO CONTROL DUST.
 2. ONSITE VEHICLE TRAFFIC SHOULD BE LIMITED TO A MAXIMUM 15 MPH SPEED, AND THE NUMBER AND ACTIVITY OF VEHICLES SHOULD BE CONROLLED AT ANY GIVEN TIME.
 3. A MOBILE UNIT SHOULD BE AVAILABLE TO APPLY WATER TO CONTROL DUST WHEN NEEDED.
 4. COVERS SHALL BE PROVIDED FOR ALL HAUL TRUCKS TRASPORTING MATERIALS THAT CONTRIBUTE TO DUST.
 5. IF CHEMICAL STABILIZATION METHOD IS USED, THE CHEMICALS SHOULD BE APPROVED FOR USE BY THE APPROPRIATE REGULATORY AGENCIES AND SHALL NOT CREATE ANY ADVERSE IMPACTS TO STORMWATER, PLANT LIFE, WATER BODIES, GROUNDWATER, OR FISH AND WILDLIFE.

PLAN LEGEND

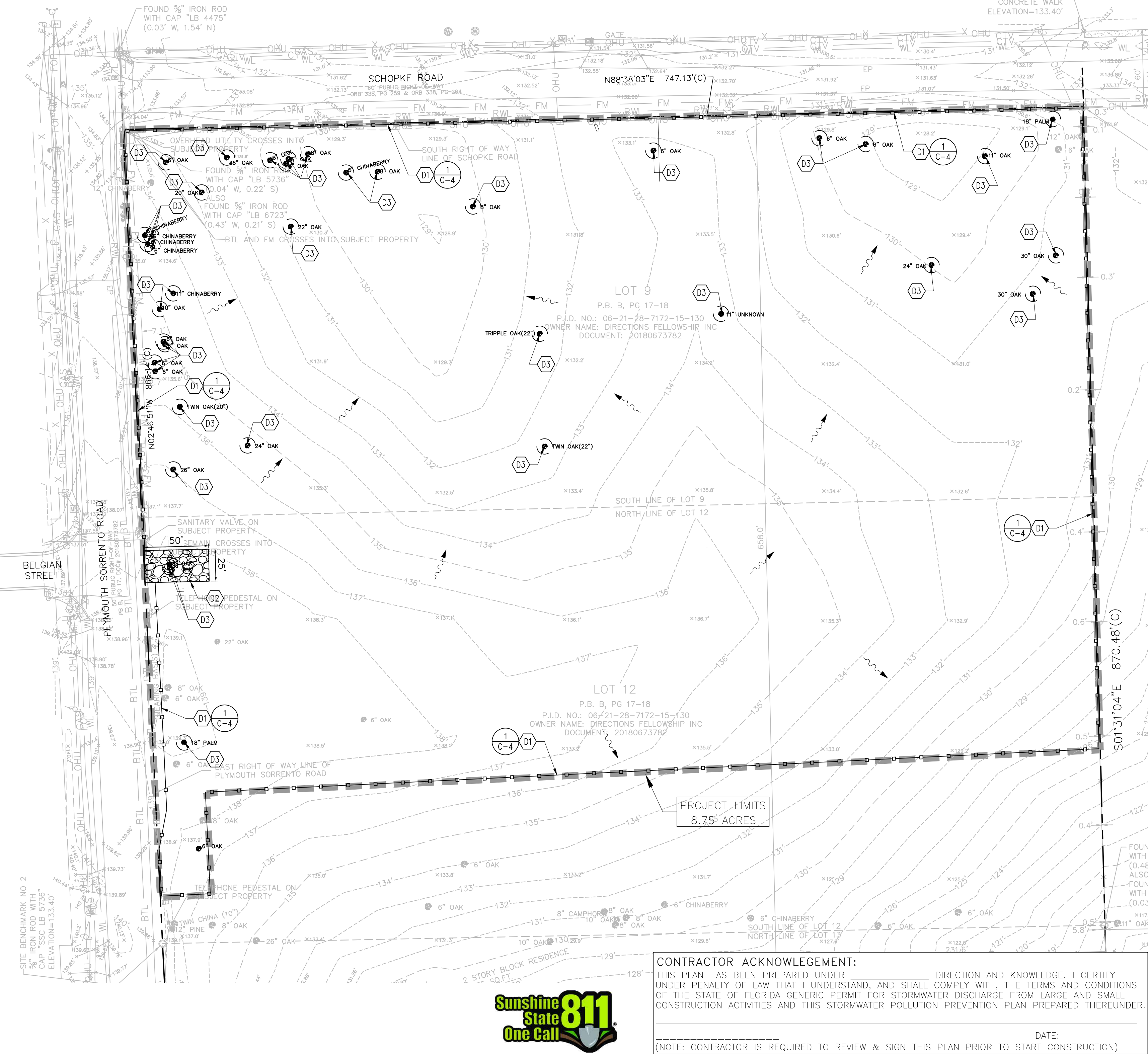
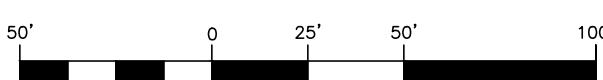


TYPE III SILT FENCE

SCALE 1" = 5'

EROSION-CONTROL-SILT-DET-ERO-5.dwg

GRAPHIC SCALE



CONTRACTOR ACKNOWLEDGEMENT:

THIS PLAN HAS BEEN PREPARED UNDER DIRECTION AND KNOWLEDGE. I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

DATE:

(NOTE: CONTRACTOR IS REQUIRED TO REVIEW & SIGN THIS PLAN PRIOR TO START CONSTRUCTION)

DEMOLITION NOTES

1. THE LOCATIONS, ELEVATIONS, & DIMENSIONS OF EXISTING UTILITIES & OTHER FEATURES ARE SHOWN ON THE PLANS ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, & DIMENSIONS OF ALL EXISTING UTILITIES & OTHER FEATURES AFFECTING THE WORK PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY FEG OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROPOSED WORK.
2. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.
3. THE CONTRACTOR SHALL, PRIOR TO INITIATION OF ANY SITE CLEARING OR OTHER CONSTRUCTION ACTIVITIES, INSTALL SILT SCREENS DOWNSTREAM OF ALL AREAS WHICH HAVE POTENTIAL OF EROSION OR SEDIMENT TRANSPORT OFFSITE OR TO WATER BODIES. THE CONTRACTOR SHALL IMPLEMENT OTHER STRUCTURAL EROSION CONTROL MEASURES IF REQUIRED TO PREVENT SEDIMENT TRANSPORT TO OFF-SITE AREAS & WATER BODIES.
4. ALL TRASH, DEBRIS, & OTHER MATERIAL REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, & FEDERAL REGULATIONS.
5. ANY EXCAVATED TRENCHES ARE TO BE BACKFILLED WITH CLEAN SAND COMPACTED TO AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (AASHTO T-180). REFER TO GEOTECHNICAL REPORT FOR SPECIFIC COMPACTION REQUIREMENTS UNDER BUILDING & OTHER STRUCTURES.
6. ALL EXISTING CONCRETE TO BE REMOVED SHALL BE SAWCUT & REMOVED @ THE FIRST AVAILABLE GOOD JOINT & REPLACED TO MATCH EXISTING.
7. THE CONTRACTOR SHALL CONTACT THE GAS UTILITY FOR LOCATION BEFORE EXCAVATION. CHAPTER 17, 553 F.S. REQUIRES THAT AN EXCAVATOR NOTIFIES ALL GAS UTILITIES AT LEAST TWO DAYS PRIOR TO EXCAVATING. ALSO CALL 1-800-432-4770 FOR SUNSHINE LOCATES. F.S. 556.101 THROUGH 111.
8. CONTRACTOR TO PROVIDE TREE PROTECTION AROUND TREES TO REMAIN AS REQUIRED BY THE LOCAL JURISDICTION.
9. NO EXCAVATING MATERIAL SHALL BE STOCKPILED IN A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.

DEMOLITION KEYNOTES

- D1. F.D.O.T. TYPE "III" SILT FENCE EROSION CONTROL BARRIER.
- D2. 25'x50' GRAVEL CONSTRUCTION ENTRANCE.
- D3. TREE TO BE REMOVED.

SOIL TRACKING PREVENTION

1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT THE LOCATION SHOWN ON THE PLANS. TRAFFIC FROM UNSTABILIZED AREAS OF CONSTRUCTION SHALL BE DIRECTED THRU THE STPD BARRIER. FLAGGING OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT & DIRECT VEHICULAR EGRESS ACROSS THE STPD.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED & APPROVED BY THE ENGINEER &/OR CITY OF APOPKA PRIOR TO ITS USE.
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE & CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER &/OR CITY OF APOPKA.
4. AGGREGATES SHALL BE AS DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT & ARE UNSUITABLE.
5. THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSITE TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT THE MUD TRACKED.

EROSION CONTROLS FOR NON STORMWATER DISCHARGES:

A) WASTE DISPOSAL:

WASTE MATERIAL:
ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A METAL DUMPSTER WHICH WILL BE MAINTAINED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY IN CITY OF APOPKA. THE DUMPSTER WILL MEET ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS OFTEN AS NECESSARY TO NOT CAUSE ON-SITE DISPOSAL OF WASTE. THE TRASH WILL BE HAULED TO AN APPROVED CITY OF APOPKA LANDFILL. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE SUPERINTENDENT CONSTRUCTION TRAILER. THE INDIVIDUAL RESPONSIBLE FOR MANAGING THIS TASK WILL BE IDENTIFIED BY THE CONTRACTOR.

HAZARDOUS WASTE:
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR HAZARDOUS WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE SUPERINTENDENT CONSTRUCTION TRAILER. THE INDIVIDUAL RESPONSIBLE FOR MANAGING THIS TASK WILL BE IDENTIFIED BY THE CONTRACTOR.

SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY LOCAL REGULATION.

B) OFFSITE VEHICLE TRACKING:

A GRAVEL CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

NOTES:

1. ALL DEBRIS AND ANY EXCESS FILL MATERIAL SHALL BE HAULED OFFSITE.
2. SEDIMENTATION CONTROLS AND BMPS SHALL PREVENT STORMWATER RUNOFF WITH TURBIDITY GREATER THAN 29 NTUS FROM LEAVING THE CONSTRUCTION SITE.

NPDES NOTE

A NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) IS REQUIRED FOR THE PROJECT. UNLESS OBTAINED BY THE OWNER, THE CONTRACTOR SHALL APPLY AND OBTAIN A NOI NPDES PRIOR TO START OF CONSTRUCTION ACTIVITIES.

07/08/2026	Δ PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA



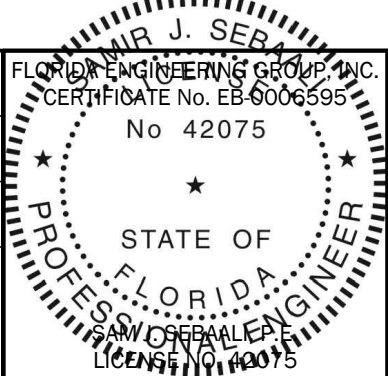
5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

www.thomasandhutton.com

SITE DEMOLITION AND STORMWATER
POLLUTION PREVENTION PLAN

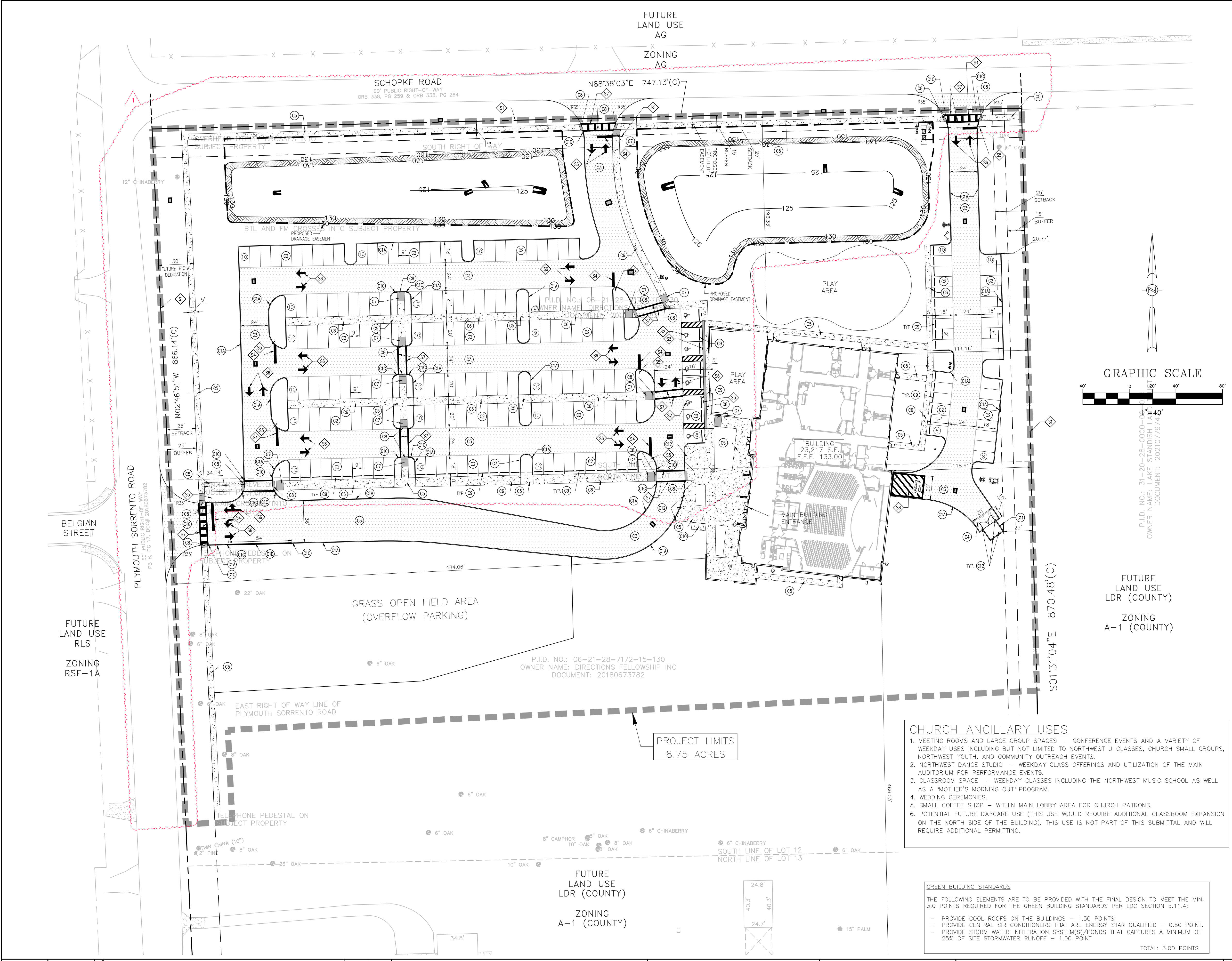
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SJS	JT	SJS	SJS

PROJECT NO.	33555.0000
SCALE	NOTED
DATE	FEBRUARY 26, 2026
SHEET NO.	C-4
SHEET 4	OF 17



THIS ITEM HAS BEEN ELECTRONICALLY
SIGNED AND SEALED BY:
SAM J. SEBAALI, P.E.
ON THE DATE ADJACENT TO THE SEAL.

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SEALED AND THE SIGNATURE MUST BE
VERIFIED ON ANY ELECTRONIC COPIES.



SITE DATA
PROPERTY LOCATION: 1567 PLYMOUTH SORRENTO RD, APOPKA, FL 32712
PROPERTY FUTURE LAND USE DESIGNATION: RES-LOW
ZONING: RSF-1B
EXISTING USE: SINGLE FAMILY RESIDENCE
PROPOSED USE: CHURCH WITH ANCILLARY USES
PROJECT AREA: 14.69 ACRES

PHASE I GROSS FLOOR AREA: 23,217 S.F.
PHASE I FLOOR AREA RATIO: 0.04

BUILDING SETBACKS (REQUIRED)
FRONT (WEST) (PLYMOUTH SORRENTO RD) 25'
CORNER SIDE (NORTH) (SCHOPKE RD) 25'
SIDE (SOUTH) 10'
REAR (EAST) 25'

BUILDING SETBACKS (PROPOSED)
FRONT (WEST) (PLYMOUTH SORRENTO RD) 484'
CORNER SIDE (NORTH) (SCHOPKE RD) 193'
SIDE (SOUTH) 466'
REAR (EAST) 111'

MAXIMUM ALLOWABLE BUILDING HEIGHT 35'
BUILDING HEIGHT PROPOSED 31'-3"

BUILDING CONSTRUCTION TYPE:
TYPE IIB, SPRINKLERED

BUFFER YARDS

PROPOSED USE	ABUTTING USE	REQUIRED BUFFER	PROPOSED BUFFER
CHURCH	FRONT (WEST) RESIDENTIAL	C-25'	C-25'
CHURCH	SIDE (NORTH) AGRICULTURAL	B-15'	B-15'
CHURCH	SIDE (SOUTH) AGRICULTURAL	B-25'	B-25'
CHURCH	REAR (EAST) AGRICULTURAL	B	B-15'

PARKING

PARKING REQUIRED	500 SEATS x (1 SPACE PER 5 SEATS)	100 SPACES
TOTAL PARKING REQUIRED		100 SPACES
SPACES REQUIRED TO BE RESERVED FOR HANDICAP		5 SPACES

PARKING PROVIDED	111 SPACES
STANDARD PARKING SPACES	
HANDICAP PARKING	8 SPACES
TOTAL PARKING PROVIDED	219 SPACES

PHASE I SITE AREA CALCULATIONS

BUILDING FOOTPRINT	23,217 S.F.		
PAVING	101,532 S.F.		
SIDEWALK	23,880 S.F.		
IMPERVIOUS AREA	148,629 S.F.	3.41 AC.	23.23 %
PERVIOUS AREA	491,267 S.F.	11.28 AC.	76.77 %
TOTAL SITE AREA	639,896 S.F.	14.69 AC.	100.00 %

IMPERVIOUS COVER PROPOSED 23.23 %

OPEN SPACE PROVIDED:
GREEN AREAS AND PLAY AREAS (NOT COUNTING PONDS OR OVERFLOW PARKING AREA) 394,384 S.F. 9.05 AC. 61.63 %

FLOOD ZONE

FLOOD ZONE "X" PER FEMA F.I.R.M. PANEL 12085C0110F DATED: 09/25/2009.

SOILS

47 - TAVARES-MILLHOPPER COMPLEX, 0 TO 5 PERCENT SLOPES - HSG "A"

WETLAND STATEMENT

THERE ARE NO JURISDICTIONAL WETLANDS WITHIN THE PROJECT SITE.

LIGHTING NOTE

LIGHTING SHALL COMPLY WITH CITY OF APOPKA LAND DEVELOPMENT CODE SECTION 5.6.

SIGNAGE NOTE

SIGNAGE SHALL COMPLY WITH SECTION 5.10 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

SITE STRIPING & SIGNAGE KEYNOTES

- S1. PROPERTY BOUNDARY.
- S2. HANDICAP PARKING STALL, TYPICAL.
- S3. HANDICAP SIGN.
- S4. 24" THERMOPLASTIC STOP BAR.
- S5. R1-1 HIGH INTENSITY REFLECTORIZED "STOP" SIGN.
- S6. DIRECTIONAL ARROWS PER LATEST F.D.O.T. STANDARD PLANS INDEX 711-001, TYPICAL.
- S7. CROSSWALK STRIPING PER LATEST F.D.O.T. STANDARD PLANS INDEX 711-001, TYPICAL.
- S8. LOADING ZONE STRIPING, 12" WHITE STRIPE @ 4' O.C.

SITE CONSTRUCTION KEYNOTES

- C1A. 6" HEAD CURB, TYPICAL.
- C1B. F.D.O.T. TYPE "T" CURB & GUTTER PER LATEST F.D.O.T. STANDARD PLANS INDEX 520-001, TYPICAL.
- C1C. 3" TRANSITION CURB.
- C1D. 6" RIBBON CURB.
- C2. ASPHALT PAVEMENT, LIGHT-DUTY IN PARKING SPACES.
- C3. ASPHALT PAVEMENT, HEAVY-DUTY IN DRIVE AISLES.
- C4. CONCRETE PAVEMENT.
- C5. CONCRETE SIDEWALK, TYPICAL.
- C6. MONOLITHIC CURB & SIDEWALK, TYPICAL.
- C7. HANDICAP ACCESS RAMP WITH A MAXIMUM 12:1 SLOPE, TYPICAL.
- C8. DETECTABLE WARNING SURFACE PER FLORIDA BUILDING CODE 2004.
- C9. WHEELSTOP PER LATEST F.D.O.T. STANDARD PLANS INDEX 520-001, TYPICAL.
- C10. BICYCLE RACK.
- C11. 12'x10' DUMPSTER W/ 10' CONCRETE PAD & 6' HIGH BLOCK WALL ENCLOSURE ON 3 SIDES.
- C12. BOLLARD.

CHURCH ANCILLARY USES
1. MEETING ROOMS AND LARGE GROUP SPACES - CONFERENCE EVENTS AND A VARIETY OF WEEKDAY USES INCLUDING BUT NOT LIMITED TO NORTHWEST U CLASSES, CHURCH SMALL GROUPS, NORTHWEST YOUTH, AND COMMUNITY OUTREACH EVENTS.
2. NORTHWEST DANCE STUDIO - WEEKDAY CLASS OFFERINGS AND UTILIZATION OF THE MAIN AUDITORIUM FOR PERFORMANCE EVENTS.
3. CLASSROOM SPACE - WEEKDAY CLASSES INCLUDING THE NORTHWEST MUSIC SCHOOL AS WELL AS A "MOTHER'S MORNING OUT" PROGRAM.
4. WEDDING CEREMONIES.
5. SMALL COFFEE SHOP - WITHIN MAIN LOBBY AREA FOR CHURCH PATRONS.
6. POTENTIAL FUTURE DAYCARE USE (THIS USE WOULD REQUIRE ADDITIONAL CLASSROOM EXPANSION ON THE NORTH SIDE OF THE BUILDING). THIS USE IS NOT PART OF THIS SUBMITTAL AND WILL REQUIRE ADDITIONAL PERMITTING.

GREEN BUILDING STANDARDS
THE FOLLOWING ELEMENTS ARE TO BE PROVIDED WITH THE FINAL DESIGN TO MEET THE MIN. 3.0 POINTS REQUIRED FOR THE GREEN BUILDING STANDARDS PER LDC SECTION 5.11.4:
- PROVIDE COOL ROOFS ON THE BUILDINGS - 1.50 POINTS
- PROVIDE CENTRAL AIR CONDITIONERS THAT ARE ENERGY STAR QUALIFIED - 0.50 POINT.
- PROVIDE STORM WATER INFILTRATION SYSTEM(S)/PONDS THAT CAPTURES A MINIMUM OF 25% OF SITE STORMWATER RUNOFF - 1.00 POINT
TOTAL: 3.00 POINTS

07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

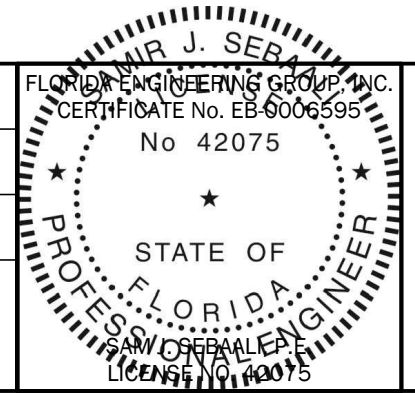


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Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325
www.thomasandhutton.com

SITE GEOMETRY PLAN

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SJS	JT	SJS	SJS

PROJECT NO.	33555.0000
SCALE	NOTED
DATE	FEBRUARY 26, 2026
SHEET NO.	C-5A
SHEET 5	OF 17



THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY:
SAM J. SEBAALI, P.E.
ON THE DATE ADJACENT TO THE SEAL.
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SITE DRAINAGE KEYNOTES

- D1. F.D.O.T. MITERED END SECTION PER LATEST F.D.O.T. STANDARD PLANS INDEX 430-021, TYPICAL.
D2. F.D.O.T. TYPE "C" DITCH BOTTOM INLET PER LATEST F.D.O.T. STANDARD PLANS INDEX 425-052, TYPICAL.
D3. F.D.O.T. TYPE "D" DITCH BOTTOM INLET PER LATEST F.D.O.T. STANDARD PLANS INDEX 425-052, TYPICAL.
D4. F.D.O.T. TYPE "4" DITCH BOTTOM INLET PER LATEST F.D.O.T. STANDARD PLANS INDEX 425-020, TYPICAL.
D5. HDPE STORM CLEAN-OUT.
D6. 8" HDPE @ MIN. 1% SLOPE CONNECTION FROM DOWNSPOUT TO STORM, FIELD COORDINATE/ ADJUST AS NEEDED. SEE PLAN FOR LENGTH.

GRADING KEYNOTES

- G1. F.D.O.T. TYPE "III" SILT FENCE EROSION CONTROL BARRIER, TYPICAL.
G2. MATCH EXISTING PAVEMENT GRADE, SAW CUT EXISTING PAVEMENT EDGE, STRAIGHT TO PROVIDE A CLEAN JOINT AT INTERFACE OF EXISTING AND NEW PAVEMENT.

GRAPHIC SCALE



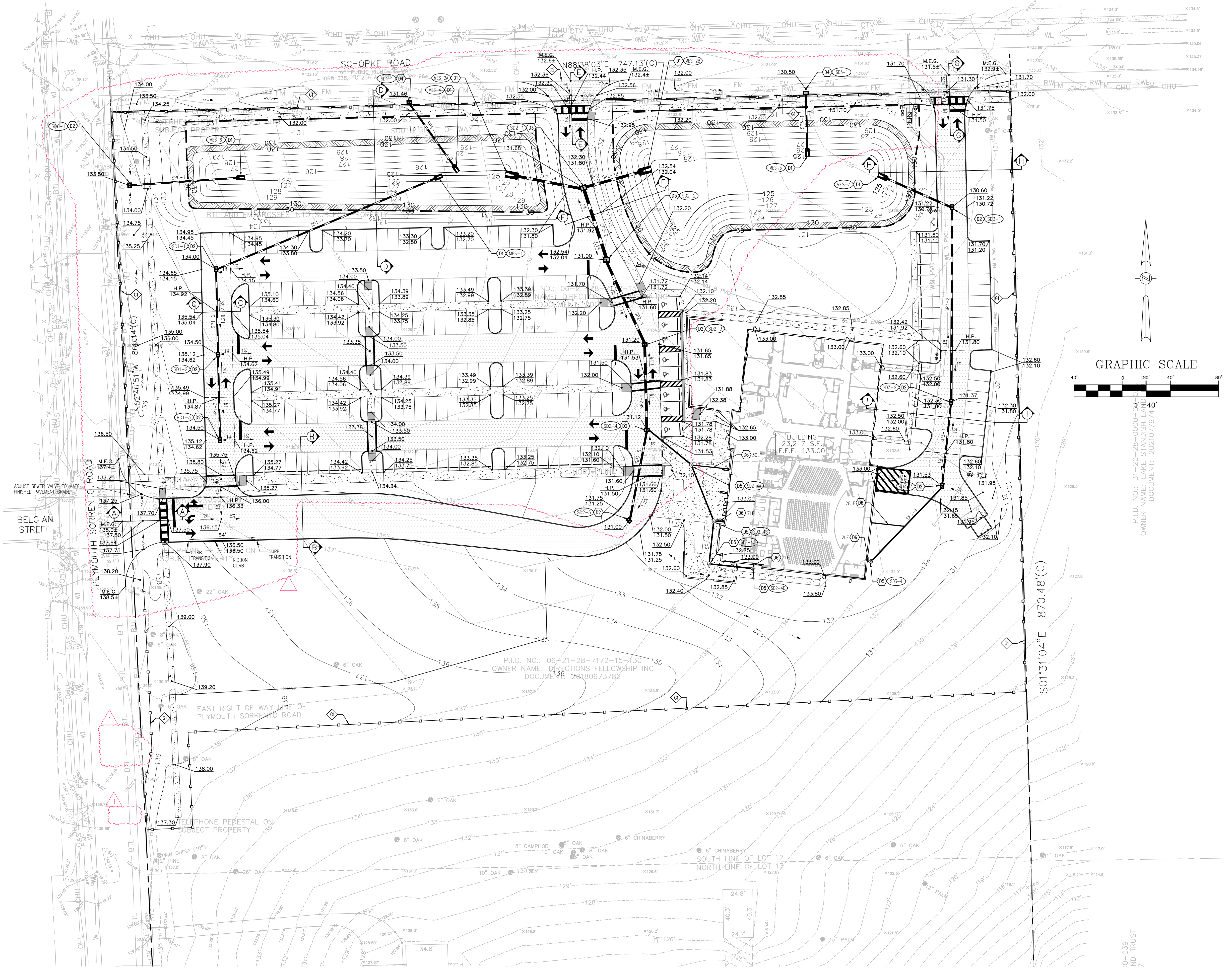
P.L.D. NO.: 31-20-28-0000-01
OWNER NAME: LAKE STANDISH LAKES
DOCUMENT: 2021077974

ACCESSIBILITY NOTE:

ACCESSIBLE RAMPS WITH DETECTABLE WARNING SHALL BE PROVIDED AT ALL SIDEWALKS CROSSING ROADWAYS OR DRIVEWAYS. A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE SHALL BE PROVIDED FOR ALL CROSSWALKS.

EROSION CONTROL NOTE:

PROVIDE AND MAINTAIN SYNTHETIC SEDIMENT BARRIERS AT ALL INLETS DURING CONSTRUCTION. THIS IS REQUIRED IN ADDITION TO THE REQUIREMENTS SHOWN ON THE SWPPP.



07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

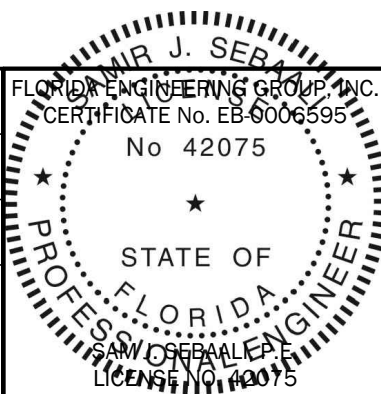


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SITE PAVING GRADING AND
DRAINAGE PLAN

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000
SCALE NOTED
DATE FEBRUARY 26, 2026
SHEET NO. C-6A
SHEET 6 OF 17



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CONCRETE CONSTRUCTION NOTES

- 1.CONCRETE PRE-CONSTRUCTION MEETING
- A.THE CONCRETE CONTRACTOR ALONG WITH THE CONCRETE PRODUCER MAY REQUEST THROUGH THE GENERAL CONTRACTOR FOR A PRE-CONSTRUCTION MEETING PRIOR TO CONCRETE PLACEMENT.
- B.ATTENDEE: CONCRETE CONTRACTOR, CONCRETE PRODUCER, GENERAL CONTRACTOR, OWNER OR OWNER'S REPRESENTATIVE(S), ENGINEER OF RECORD, ARCHITECT, SITE CONTRACTOR, GEOTECHNICAL REPRESENTATIVE(S), ETC.
- C.AGENDA: INCLUDE BUT NOT LIMITED TO THE FOLLOWINGS; (CONTRACTOR MAY CONTACT THE FLORIDA CONCRETE & PRODUCTS ASSOCIATION FOR PRE-CONSTRUCTION MEETING CHECK LISTS)
- i.MIXTURE(S) APPROVAL
- ii. CONCRETE TESTING: TYPE, LOCATION OF SAMPLINGS, ETC.
- iii. CONCRETE DELIVERY: QUANTITY/HR, PUMP, CONVEYOR, ETC.
- iv. PLACEMENT: METHOD, QUANTITY/DAY, STAGING & CLEAN OUT LOCATION, ETC.
- v. FINISHING: CURING, JOINTING, ETC.
- 2.JOINTS FOR CONCRETE SLABS
- A.GENERAL – A JOINTING PLAN FOR THE ENTIRE PAVING AREA SHALL BE PREPARED BY THE CONCRETE CONTRACTOR & SUBMITTED TO THE ENGINEER OF RECORD (EOR) 2 WEEKS PRIOR TO PLACEMENT OF CONCRETE FOR THE EOR APPROVAL. THE CONTRACTOR MAY ALSO CONTACT THE FLORIDA CONCRETE & PRODUCTS ASSOCIATION (FC&PA) FOR TECHNICAL RESOURCES AND ASSISTANT.
- i.A SQUARE JOINTING PATTERN IS REQUIRED WHERE POSSIBLE. IF NECESSARY, RECTANGULAR PANELS CAN BE USED IF THE LONG DIMENSION IS NO MORE THAN 1.5 TIMES THE SHORT (e.g. 8' x 12'). JOINT SPACING SHALL NOT EXCEED THE FOLLOWING: 10 FEET IN A 4" THICK SLAB, 12 FEET IN A 5" THICK SLAB OR 15 FEET IN SLAB WITH THICKNESS OF 6" OR GREATER.
- ii. BOX OUT AREA AROUND MANHOLES, CATCH BASINS, DRAINAGE STRUCTURES & OTHER BUILT-IN STRUCTURES WITHIN THE PAVING AREA SHALL BE CIRCULAR WHERE POSSIBLE. A MINIMUM OFFSET OF 12" FROM ANY EDGE OF THE STRUCTURE. OBTAIN A COPY OF THE FC&PA STANDARD DETAILS FOR REFERENCE. CONSTRUCTION & CONTROL JOINTS SHALL BE CONTINUOUS THROUGH ADJACENT LANES & EXTEND THROUGH INTEGRAL CURB. JOINTS CAN BE TERMINATED & OFFSET AT ISOLATION JOINTS, WHERE JOINTS INTERFACE ANY RADIUS OR CURVATURE, OFFSET A MINIMUM OF 12" FROM EDGE OF PAVEMENT AND FORM JOINT 90 DEGREE TO EDGE OF PAVEMENT TO AVOID ACUTE ANGLE OR SMALL WEDGES OF CONCRETE AT CURVATURES. OBTAIN A COPY OF THE FC&PA STANDARD DETAILS FOR REFERENCE.
- B.CONSTRUCTION JOINTS – A CONSTRUCTION JOINT SEPARATES ONE DAY PLACEMENT TO THE NEXT DAY PLACEMENT. A CONSTRUCTION JOINT SHALL BE A MINIMUM OF 5 FEET FROM ANY ADJACENT CONTROL JOINT. NEXT DAY PLACEMENT SHALL BUTT UP TO THE EXISTING PAVEMENT AS A COLD JOINT. THE CONSTRUCTION JOINT MAY BE HAND-TOOLED WITH MAXIMUM 0.25" RADIUS AT THE EDGE OF THE JOINT.CONTROL JOINTS FROM BOTH PLACEMENT AREAS SHALL MATCH AND BE CONTINUOUS ACROSS THE CONSTRUCTION JOINT.
- C.CONTROL/CONTRACTION JOINTS – CONTROL JOINTS ARE JOINTS WITHIN THE PAVING AREA FORMED THROUGH TOOLING OR SAW CUTTING. CONTROL JOINTS ESTABLISH WEAK PLANES TO RELIEVE STRESSES DUE TO SHRINKAGE OR TEMPERATURE CHANGE. INSTALL CONTROL JOINTS WITHIN 12 HRS FROM THE TIME THE CONCRETE HITS THE GROUND OR OBTAIN IN WRITING APPROVAL FROM THE EOR BEYOND THE 12-HR TIME LIMIT.
- i.EARLY-ENTRY SAW CUTTING METHOD: CUT JOINT TO A MINIMUM OF 1" DEEP FOR PAVEMENT THICKNESS UP TO 8". CUTTING OF JOINT SHALL NOT CAUSE RAVELING TO THE EDGES OR DEFORMATION OF THE SURFACE DUE TO EQUIPMENT OR WORKER.
- ii. OTHER METHODS: INSTALL JOINT TO A MINIMUM OF 1/3 OF PAVEMENT DEPTH. FINISH EDGES WITH 0.25" RADIUS. OPERATION SHALL NOT CAUSE ANY DEFORMATION OF THE SURFACE.
- D.ISOLATION JOINTS – THESE JOINTS USE ISOLATION MATERIALS TO PREVENT FRESH CONCRETE FROM BONDING TO HARDENED CONCRETE SUCH AS, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, SIDEWALKS, DRAINAGE STRUCTURES, LIGHTING & SIGNAGE BASES, RETAINING WALLS, CURBS, ETC. THE ISOLATION MATERIAL SHALL EXTEND THE FULL-DEPTH OF THE FRESH CONCRETE THICKNESS. FROM ONE DAY PLACEMENT TO THE NEXT, WHERE JOINTS ARE MATCHED, ISOLATION MATERIAL IS NOT NECESSARY. (E.G. ONE LANE PAVING TO THE NEXT, INTEGRAL CURBS)
- E.ISOLATION JOINTS BETWEEN SLABS AT SOME GRADE SHALL BE FORMED WITH 0.25 INCH THICK NEOPRENE OR 0.50 INCH THICK ASPHALT IMPREGNATED FIBER FILLER WITH HYDROCARBON RESISTANT ELASTOMERIC FILL MATERIAL AS SEALER. ALL EDGES TO BE HAND TOOLED WITH MAXIMUM 0.50 INCH RADIUS.
- F.A SATISFACTORY ISOLATION JOINT CAN BE FORMED AT METAL BUILDING CURBS BY PLACING A STRIP OF CURING PAPER AGAINST THE METAL FORM & THEN PLACING THE FRESH CONCRETE AGAINST THE PAPER. THE EDGES OF THE SLAB SHALL BE HAND TOOLED WITH MAXIMUM 0.50 INCH RADIUS.
- 3.JOINTS SEALANT – A JOINT SEALING PLAN FOR THE AFFECTED AREA SHALL BE PREPARED BY THE CONCRETE CONTRACTOR & SUBMITTED TO THE EOR, ALONG WITH THE JOINTING PLAN, 2 WEEKS PRIOR TO PLACEMENT OF CONCRETE FOR THE EOR APPROVAL. NOT ALL JOINT WILL BE REQUIRED SEALING, THE CONCRETE CONTRACTOR IS TO RECOMMEND THE NECESSARY LOCATION AND TO PROVIDE SUPPORTING DOCUMENTATION FOR NON-SEALING AREAS. USE A POLYURETHANE SEALANT (TREMCO THC-900/THC-901 MULTI-COMPOUND)COMPOUND OR EQUIVALENT. THE CONCRETE CONTRACTOR IS TO SUBMIT SEALANT TYPE AND MANUFACTURER INFORMATION TO THE EOR FOR APPROVAL WHEN "EQUIVALENT" IS USE. JOINTS SHALL BE PREPARED BY FOLLOWING MANUFACTURER'S RECOMMENDATIONS PRIOR TO SEALING.

DRAINAGE STRUCTURE LEGEND

MES-1 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD1-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 134.48 INV. ELEV. 126.40 NE INV. ELEV. 129.89 S	SD1-2 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 134.60 INV. ELEV. 130.57 N INV. ELEV. 130.57 S	SD1-3 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 134.50 INV. ELEV. 131.25 N
MES-2A 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	MES-2B 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD2-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.68 INV. ELEV. 125.64 NW INV. ELEV. 125.57 NE INV. ELEV. 126.00 SE	SD2-2 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.43 INV. ELEV. 126.30 NW INV. ELEV. 126.30 SE
SD2-3 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.30 INV. ELEV. 126.68 NW INV. ELEV. 126.68 S	SD2-4 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.12 INV. ELEV. 127.03 N INV. ELEV. 127.03 SW INV. ELEV. 127.03 SE	SD2-4A STORM CLEAN-OUT TOP ELEV. 132.40 INV. ELEV. 127.50 NW INV. ELEV. 127.50 SE INV. ELEV. 127.50 SW	SD2-4B STORM CLEAN-OUT TOP ELEV. 132.90 INV. ELEV. 128.00 NE INV. ELEV. 128.00 E INV. ELEV. 128.00 S
SD2-4C STORM CLEAN-OUT TOP ELEV. 132.73 INV. ELEV. 128.36 N INV. ELEV. 128.36 SE	SD2-4D STORM CLEAN-OUT TOP ELEV. 132.50 INV. ELEV. 128.73 NW INV. ELEV. 128.73 N	SD2-5 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.00 INV. ELEV. 127.40 NE	
MES-3 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD3-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 130.60 INV. ELEV. 125.66 NW INV. ELEV. 127.13 S	SD3-2 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.37 INV. ELEV. 127.92 N INV. ELEV. 128.17 SW	SD3-3 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.53 INV. ELEV. 128.50 NE INV. ELEV. 128.50 SW
SD3-4 STORM CLEAN-OUT TOP ELEV. 132.50 INV. ELEV. 129.35 NE INV. ELEV. 129.35 W			
MES-4 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD4-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.46 INV. ELEV. 125.70 S		
MES-5 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD5-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 130.50 INV. ELEV. 125.52 S		
MES-6 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD6-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 133.50 INV. ELEV. 125.95 E		
MES-7 4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 125.00	SD7-1 TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 131.00 INV. ELEV. 126.22 E		

STORM DRAINAGE PIPE CHART

DESIGNATION	PIPE			FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER
	LENGTH (LINEAR FEET)	SIZE & TYPE	SLOPE		
SP1-1	202	15" R.C.P.	1.0%	MES-1	SD1-1
SP1-2	68	15" R.C.P.	1.0%	SD1-1	SD1-2
SP1-3	68	15" R.C.P.	1.0%	SD1-2	SD1-3

SP2-1A	64	24" R.C.P.	1.0%	MES-2A	SD2-1
SP2-1B	57	24" R.C.P.	1.0%	MES-2B	SD2-1
SP2-2	60	30" R.C.P.	0.5%	SD2-1	SD2-2
SP2-3	75	24" R.C.P.	0.5%	SD2-2	SD2-3
SP2-4	69	24" R.C.P.	0.5%	SD2-3	SD2-4
SP2-4A	46	12" HP	1.0%	SD2-4	SD2-4A
SP2-4B	50	12" HP	1.0%	SD2-4A	SD2-4B
SP2-4C	36	12" HP	1.0%	SD2-4B	SD2-4C
SP2-4D	37	12" HP	1.0%	SD2-4C	SD2-4D
SP2-5	75	18" R.C.P.	0.5%	SD2-4	SD2-5

SP3-1	66	18" R.C.P.	1.0%	MES-3	SD3-1
SP3-2	159	18" R.C.P.	0.5%	SD3-1	SD3-2
SP3-3	67	15" R.C.P.	0.5%	SD3-2	SD3-3
SP3-4	84	12" HP	1.0%	SD3-3	SD3-4

SP4-1	70	15" R.C.P.	1.0%	MES-4	SD4-1
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SP5-1	52	15" R.C.P.	1.0%	MES-5	SD5-1
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SP6-1	95	15" R.C.P.	1.0%	MES-6	SD6-1
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ACCESSIBILITY NOTE:

ACCESSIBLE RAMPS WITH DETECTABLE WARNING SHALL BE PROVIDED AT ALL SIDEWALKS CROSSING ROADWAYS OR DRIVEWAYS. A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE SHALL BE PROVIDED FOR ALL CROSSWALKS.

EROSION CONTROL NOTE:

PROVIDE AND MAINTAIN SYNTHETIC SEDIMENT BARRIERS AT ALL INLETS DURING CONSTRUCTION. THIS IS REQUIRED IN ADDITION TO THE REQUIREMENTS SHOWN ON THE SWPPP.

07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA



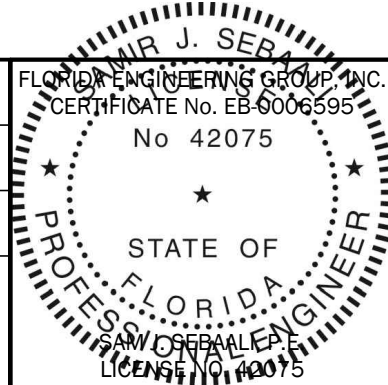
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SITE PAVING GRADING AND
DRAINAGE NOTES

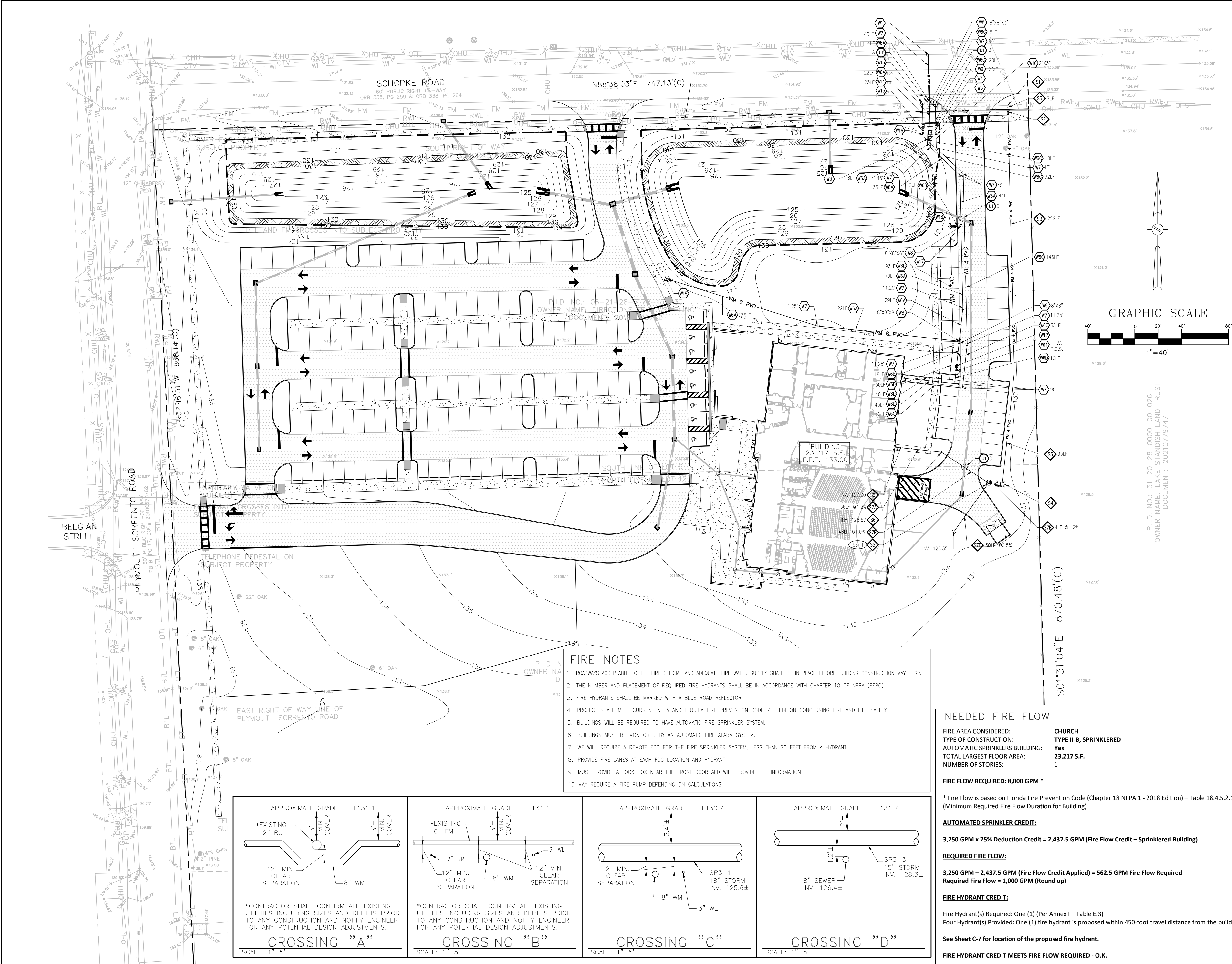
DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000	SCALE NOTED
DATE FEBRUARY 26, 2026	SHEET NO. C-6B
SHEET 7	OF 17



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- ### # WATER UTILITY KEYNOTES
- W1. CONNECT TO EXISTING 8" PVC PUBLIC WATER MAIN WITH AN 8"x8" TAPPING VALVE & SLEEVE.
 - W2. 8" HDPE DR11, BLUE IN COLOR (ANSI/AWWA C906) DIRECTIONAL DRILL FOR WATER CONNECTION. SEE PLAN FOR LENGTH.
 - W3. 8" REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITH CHECK VALVE AND MONITORING METER FOR FIRE SERVICE PER CITY OF APOPKA UTILITY REQUIREMENTS. RPDA SHALL BE MONITORED IN ACCORDANCE WITH NFPA 72.
 - W4. 2" DOMESTIC WATER METER.
 - W5. 2" DOMESTIC WATER REDUCED PRESSURE BACKFLOW PREVENTER. TO BE INSTALLED BY DEVELOPER'S CONTRACTOR IN ACCORDANCE WITH CITY OF APOPKA REQUIREMENTS.
 - W6A. 8" PVC C-900 DR-18 WATER MAIN. SEE PLAN FOR LENGTH.
 - W6B. 6" PVC C-900 DR-18 WATER MAIN. SEE PLAN FOR LENGTH.
 - W6C. 3" CLASS 200 SDR 21 PVC WATER LINE. SEE PLAN FOR LENGTH.
 - W6D. 6" PVC C-900 DR-14 FIRE LINE. SEE PLAN FOR LENGTH. SEE FIRE SERVICE NOTE 14.
 - W7. BEND WITH RESTRAINED JOINTS TYPICAL, SEE PLAN FOR ANGLE.
 - W8. TEE, TYPICAL. SEE PLAN FOR SIZE.
 - W9. REDUCER. SEE PLAN FOR SIZE.
 - W10. INCREASER. SEE PLAN FOR SIZE.
 - W11. POST INDICATOR VALVE. POINT OF SERVICE (P.O.S.)
 - W12. CHECK VALVE. SEE PLAN FOR SIZE.
 - W13. CONNECT TO EXISTING 12" PVC PUBLIC RECLAIMED WATER MAIN. WITH A 12"x12" TAPPING VALVE & SLEEVE.
 - W14. 2" PVC C-900 DR-18 RECLAIMED IRRIGATION LINE, PURPLE IN COLOR, SEE PLAN FOR LENGTH.
 - W15. 1-1/2" RECLAIMED IRRIGATION METER.
 - W16. 1-1/2" IRRIGATION SERVICE REDUCED PRESSURE BACKFLOW PREVENTER.
 - W17. FIRE DEPARTMENT CONNECTION (FDC).
 - W18. FIRE HYDRANT ASSEMBLY.

- ### # SANITARY SEWER UTILITY KEYNOTES
- S1. CONNECT TO EXISTING 6" PVC PUBLIC SANITARY FORCE MAIN WITH A 6"x4" TAPPING VALVE & SLEEVE.
 - S2. PLUG VALVE TO BE INSTALLED AT THE R.O.W. LINE. THE PLUG VALVE SHALL BE INSTALLED WITH THE VALVE STEM IN VERTICAL POSITION.
 - S3. 4" PVC SDR 18 FORCE MAIN, CLASS 150, GREEN IN COLOR, MINIMUM 3 FT. OF COVER.
 - S4. PRIVATE SANITARY SEWER LIFT STATION, SEE SHEET C-10. FOR DETAIL.
 - S5. SANITARY SEWER MANHOLE.
 - S6. SANITARY CLEAN-OUT. SEE PLAN FOR INVERT.
 - S7A. 6" SDR 26 PVC SANITARY SEWER LINE. SEE PLAN FOR LENGTH AND SLOPE.
 - S7B. 8" SDR 26 PVC SANITARY SEWER LINE. SEE PLAN FOR LENGTH AND SLOPE.

SANITARY SEWER STRUCTURE LEGEND

SS-1	SANITARY MANHOLE
TOP ELEV. = 132.00	
INV. ELEV. = 126.10 NW	
INV. ELEV. = 126.10 SW	
INV. ELEV. = 126.00 E	

- ### UTILITY NOTES
- REFER TO CITY OF APOPKA STANDARD DETAILS FOR ALL UTILITY DESIGN INFORMATION. ALL WATER & SANITARY SEWER UTILITY CONSTRUCTION TO BE PER CITY OF APOPKA REQUIREMENTS.
 - CONTRACTOR TO FIELD VERIFY THE LOCATION AND SIZES OF ALL EXISTING UTILITIES @ CONNECTION POINTS AND IDENTIFY ANY CONFLICTS OR DISCREPANCIES PRIOR TO ORDERING MATERIAL OR START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER OF RECORD. THE ENGINEER SHALL COORDINATE ANY DESIGN CHANGES W/ CITY OF APOPKA.
 - CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3" COVER OVER ALL PROPOSED UTILITIES, UNLESS SHOWN OTHERWISE ON PLANS.
 - CONTRACTOR SHALL NOTIFY THE CITY OF APOPKA PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION PH. # 407-703-1731.
 - THE CONSTRUCTION OF ALL UTILITIES PROPOSED FOR CONNECTION TO THE UTILITY SYSTEM SHALL BE IN CONFORMANCE WITH THE CITY OF APOPKA STANDARDS & CONSTRUCTION SPECIFICATIONS.

- ### SANITARY SEWER SERVICE NOTES
- CONSTRUCTION OF THE SANITARY SEWER SERVICE SYSTEM SHALL MEET CITY OF APOPKA & FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS.
 - ALL PLUMBING WORK SHALL EXTEND TO CLEAN OUT LOCATION ADJACENT TO BUILDING AND IS TO BE COORDINATED BETWEEN SITE AND BUILDING/ PLUMBING CONTRACTOR AS TO SIZE, LOCATION, AND ELEVATION PRIOR TO ANY SEWER SYSTEM OR MAJOR INFRASTRUCTURE WORK.

CLEAN-OUT NOTE

CLEAN-OUT TOPS SHALL MATCH SIDEWALK FINISHED GRADES OR DIRT GRADES AS APPLICABLE. ALL CLEAN-OUTS IN PAVED OR WALKWAY AREAS SHALL HAVE BRASS RING & PLUG TOPS. REFER TO CITY OF APOPKA DETAILS FOR CLEAN-OUTS IN TRAFFIC BEARING AREAS. ALL SANITARY CLEAN-OUT TOPS SHALL HAVE COVERS WHICH ARE IDENTIFIED AS "SANITARY".

- ### WATER SERVICE NOTES
- CONSTRUCTION OF THE WATER DISTRIBUTION SYSTEM SHALL MEET CITY OF APOPKA & FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS.

- ### UTILITY NOTES:
- POTABLE & SANITARY SERVICE CONNECTIONS TO ALL THE BUILDINGS ARE TO BE COORDINATED WITH FINAL SITE ENGINEERING AND ARCHITECTURAL DRAWINGS.
 - ALL PLUMBING WORK SHALL EXTENDED TO 5FT. OUTSIDE OF THE BUILDING AND IS TO BE COORDINATED BETWEEN SITE AND BUILDING/ PLUMBING CONTRACTOR AS TO SIZE, LOCATION AND DEPTH.

CITY OF APOPKA (C.O.A.) UTILITY NOTES:

- THE DEVELOPER'S CONTRACTOR SHALL ACCOMPLISH ALL WATER MAIN & SERVICE WORK THROUGH THE POINT OF CONNECTION/FIRE SERVICE CONTROL VALVE & WATER METERS. C.O.A. WILL OWN & OPERATE UP TO & INCLUDING THE POINT OF CONNECTION/FIRE SERVICE CONTROL VALVE & METERS ONLY. THE REQUIRED WORK SHALL BE PERFORMED PER CURRENT C.O.A. MATERIAL SPECIFICATION & WATER DETAIL SHEET UNDER C.O.A. INSPECTION. TO SCHEDULE C.O.A. INSPECTION, CALL 407-703-1718.
- THE DEVELOPER/CONTRACTOR SHALL FIELD VERIFY THE VERTICAL & HORIZONTAL LOCATION OF EXISTING C.O.A. WATER FACILITIES BEFORE COMMENCEMENT OF CONSTRUCTION.
- THE DEVELOPER/CUSTOMER IS RESPONSIBLE FOR ALL REQUIRED PERMITS.

- ### FIRE NOTES
- ROADWAYS ACCEPTABLE TO THE FIRE OFFICIAL AND ADEQUATE FIRE WATER SUPPLY SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
 - THE NUMBER AND PLACEMENT OF REQUIRED FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH CHAPTER 18 OF NFPA (FFPC)
 - FIRE HYDRANTS SHALL BE MARKED WITH A BLUE ROAD REFLECTOR.
 - PROJECT SHALL MEET CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.
 - BUILDINGS WILL BE REQUIRED TO HAVE AUTOMATIC FIRE SPRINKLER SYSTEM.
 - BUILDINGS MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM.
 - WE WILL REQUIRE A REMOTE FDC FOR THE FIRE SPRINKLER SYSTEM, LESS THAN 20 FEET FROM A HYDRANT.
 - PROVIDE FIRE LANES AT EACH FDC LOCATION AND HYDRANT.
 - MUST PROVIDE A LOCK BOX NEAR THE FRONT DOOR AFD WILL PROVIDE THE INFORMATION.
 - MAY REQUIRE A FIRE PUMP DEPENDING ON CALCULATIONS.

NEEDED FIRE FLOW

FIRE AREA CONSIDERED:
TYPE OF CONSTRUCTION: CHURCH
AUTOMATIC SPRINKLERS BUILDING: TYPE II-B, SPRINKLERED
TOTAL LARGEST FLOOR AREA: Yes
NUMBER OF STORIES: 23,217 S.F.
1

FIRE FLOW REQUIRED: 8,000 GPM *

* Fire Flow is based on Florida Fire Prevention Code (Chapter 18 NFPA 1 - 2018 Edition) - Table 18.4.5.2.1 (Minimum Required Fire Flow Duration for Building)

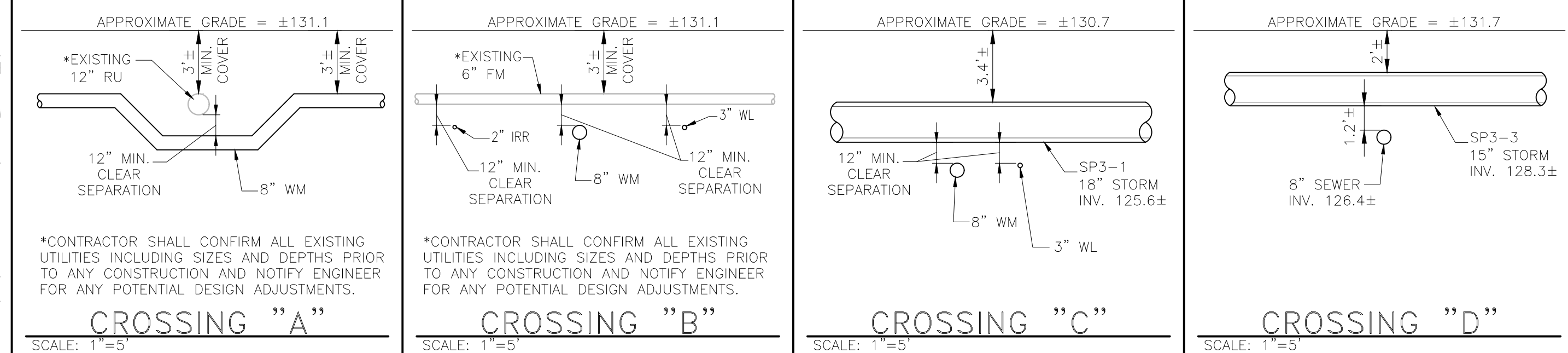
AUTOMATED SPRINKLER CREDIT:
3,250 GPM x 75% Deduction Credit = 2,437.5 GPM (Fire Flow Credit - Sprinklered Building)

REQUIRED FIRE FLOW:
3,250 GPM - 2,437.5 GPM (Fire Flow Credit Applied) = 562.5 GPM Fire Flow Required
Required Fire Flow = 1,000 GPM (Round up)

FIRE HYDRANT CREDIT:
Fire Hydrant(s) Required: One (1) (Per Annex I - Table E.3)
Four Hydrant(s) Provided: One (1) fire hydrant is proposed within 450-foot travel distance from the building.

See Sheet C-7 for location of the proposed fire hydrant.

FIRE HYDRANT CREDIT MEETS FIRE FLOW REQUIRED - O.K.



07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

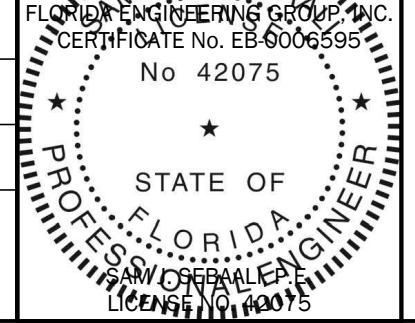
FEG FLORIDA ENGINEERING GROUP
now part of
THOMAS & HUTTON

5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325
www.thomasandhutton.com

SITE UTILITY PLAN

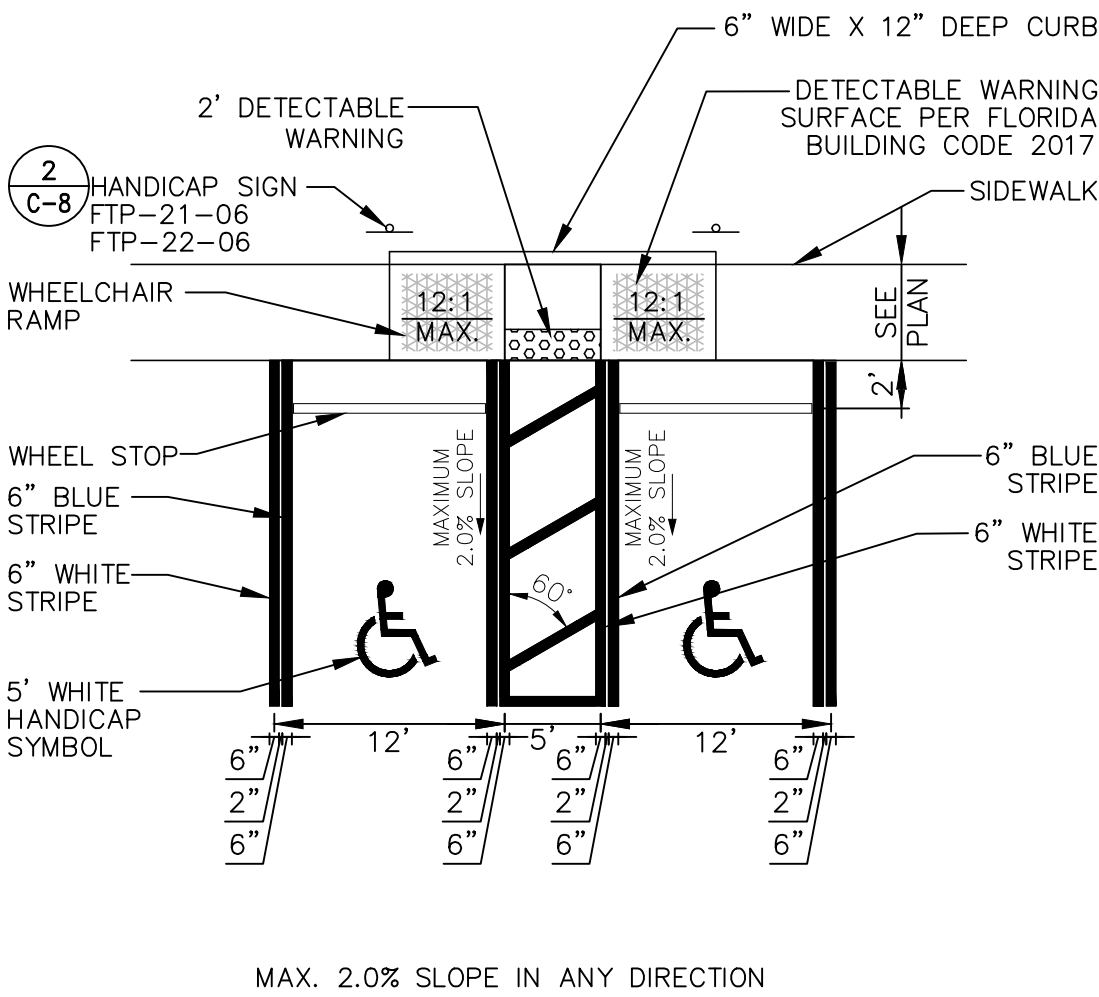
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SJS	JT	SJS	SJS

PROJECT NO.	33555.0000
SCALE	NOTED
DATE	FEBRUARY 26, 2026
SHEET NO.	C-7
SHEET	8

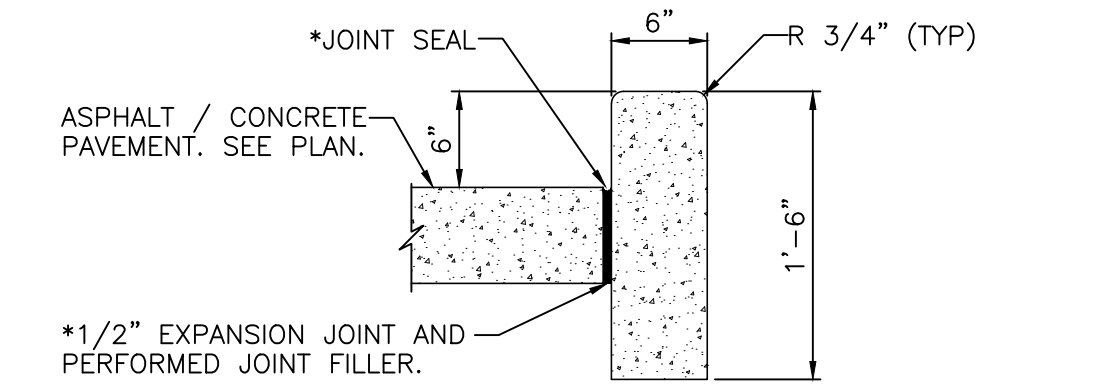


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SAM J. SEBAALI, P.E.
ON THE DATE ADJACENT TO THE SEAL.

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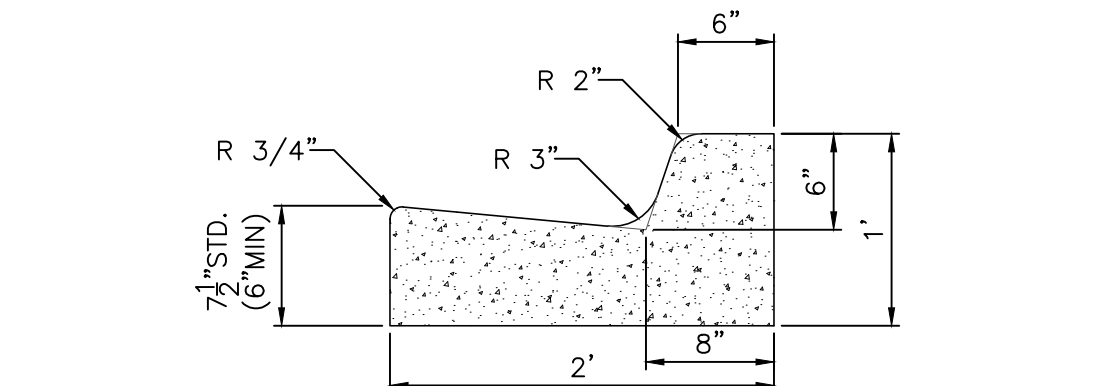


1
C-8 HANDICAP PARKING DETAIL
SCALE 1" = 10'

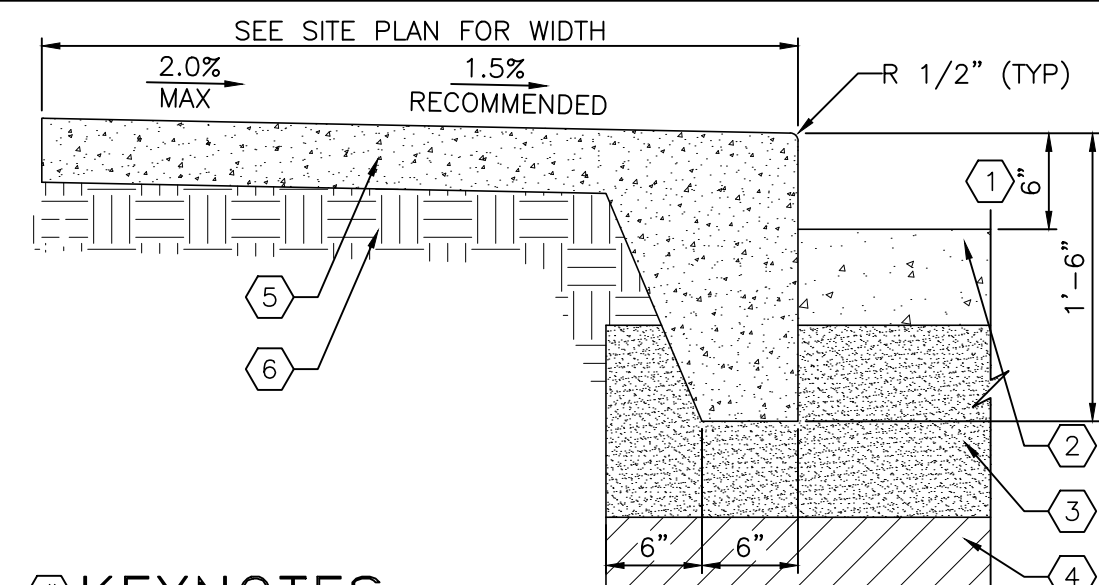


1. PROVIDE 1/8" CONTROL JOINTS @ 10' O.C.
2. * PROVIDE EXPANSION JOINT WHERE CONCRETE CURB ABUTS CONCRETE PAVEMENT, CURB AND ANY FIXED STRUCTURE.

7
C-8 HEAD CURB
SCALE 1" = 1' CURB-HEAD-DET.dwg

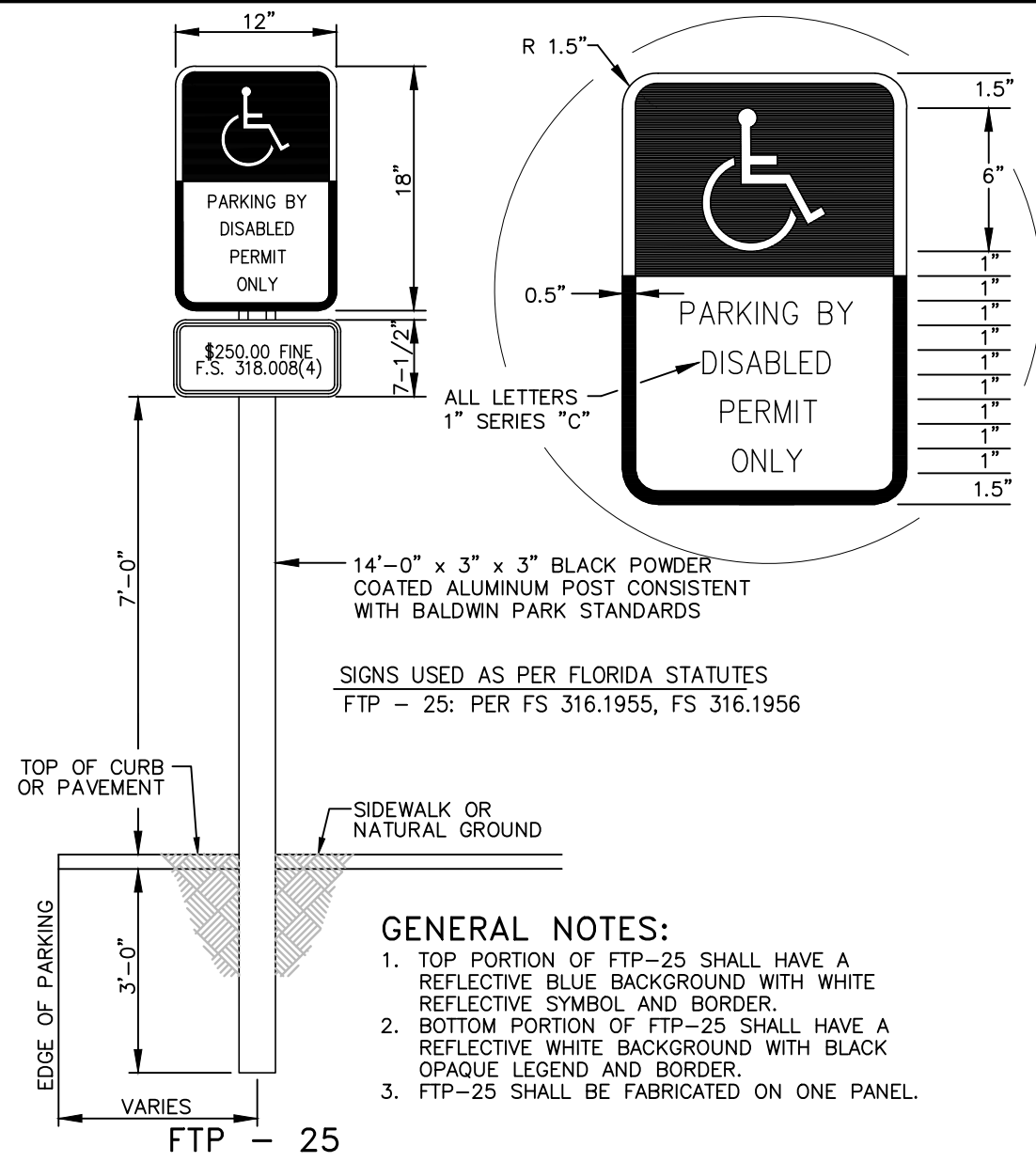


8
C-8 F.D.O.T. TYPE "F" CURB
SCALE 1" = 1' CURB-TYPE-F-DET.dwg

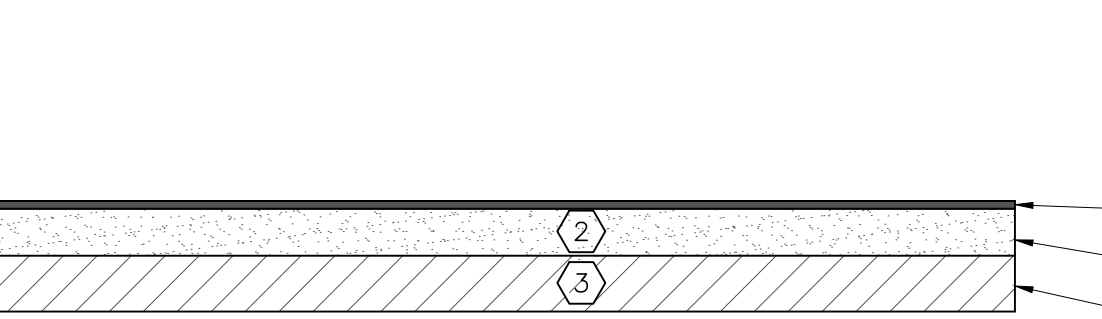


- #KEYNOTES
1. MINIMUM HEIGHT OF CURB ABOVE PAVEMENT SHALL BE 6". REFER TO GRADING PLANS FOR ELEVATIONS.
 2. PAVEMENT WEARING SURFACE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 3. PAVEMENT BASE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 4. PAVEMENT SUBBASE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 5. 3000 PSI CONCRETE WITH FIBER MESH, TYPICAL.
 6. 6" COMPACTED SUB-GRADE TO @ LEAST 95% OF THE MODIFIED PROTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).

13
C-8 SIDEWALK WITH MONOLITHIC CURB
SCALE 1" = 1' SW-MONO-CURB-CONC-PG.dwg



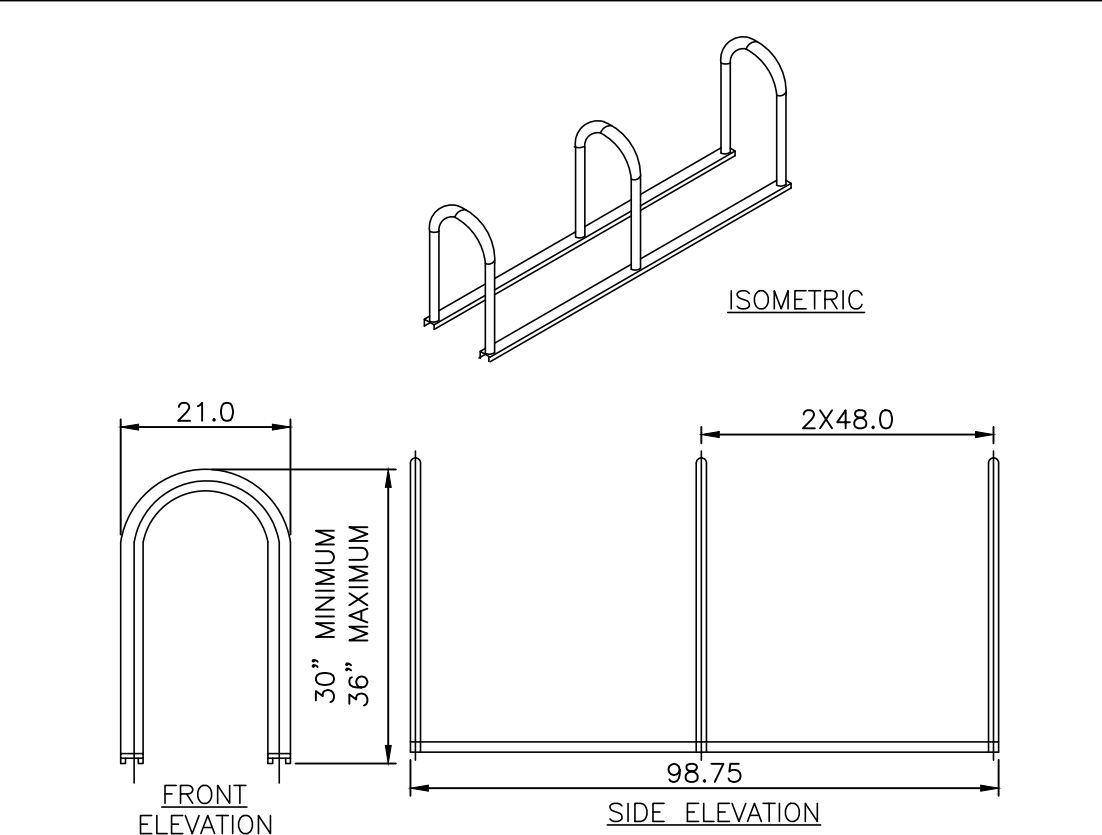
2
C-8 HANDICAP SIGN DETAIL
SCALE 1" = 1'



#KEYNOTES

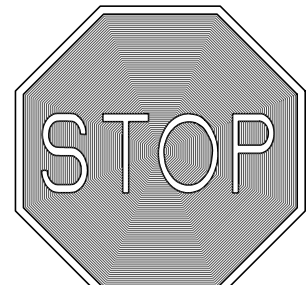
1. 1-1/2" MINIMUM, TYPE SP-12.5 ASPHALTIC CONCRETE WEARING SURFACE COMPACTED TO 95% OF LAB DENSITY.
 2. 8" CRUSHED CONCRETE BASE COURSE WITH MINIMUM LBR OF 120, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, AASHTO T-180) AND GRADATION TO MEET F.D.O.T. STANDARD SPECIFICATIONS OF ROAD & BRIDGE CONSTRUCTION.
 3. 12" SUBGRADE TO A MINIMUM FBV OF 75 PSI, ENTIRE 12" DEPTH TO BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).
- NOTE:
THE ASPHALTIC CONCRETE SHALL BE PLACED WITHIN THE ALLOWABLE LIFT THICKNESS FOR LIME TYPE SP MIXES PER THE LATEST EDITION OF F.D.O.T. STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

9
C-8 ASPHALT PAVING LIGHT DUTY SECTION
NOT TO SCALE



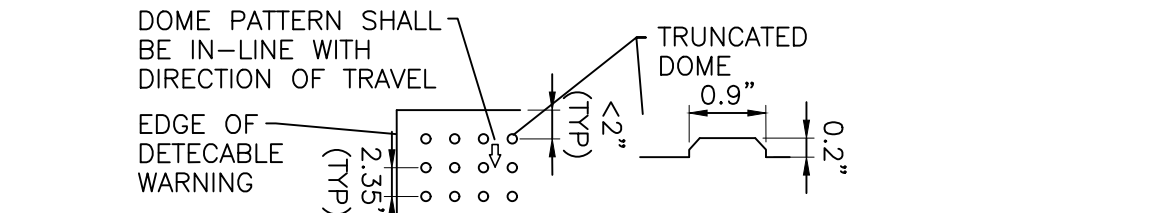
- NOTES:
1. BICYCLE RACKS SHALL HAVE A MINIMUM TUBE DIAMETER OF 1.9 INCHES AND BE POWDER COATED OR COATED WITH ANOTHER WEATHER PROOF SURFACE AS MAY BE APPROVED BY THE ZONING MANAGER.
 2. BICYCLE RACKS SHALL BE A MAXIMUM HEIGHT OF 36 INCHES, A MINIMUM OF 30 INCHES AN CENTER BETWEEN HORIZONTAL ROWS, AND A MINIMUM OF 24 INCHES FROM ANY BUILDING WALL.

14
C-8 INVERTED U BIKE RACK
NOT TO SCALE



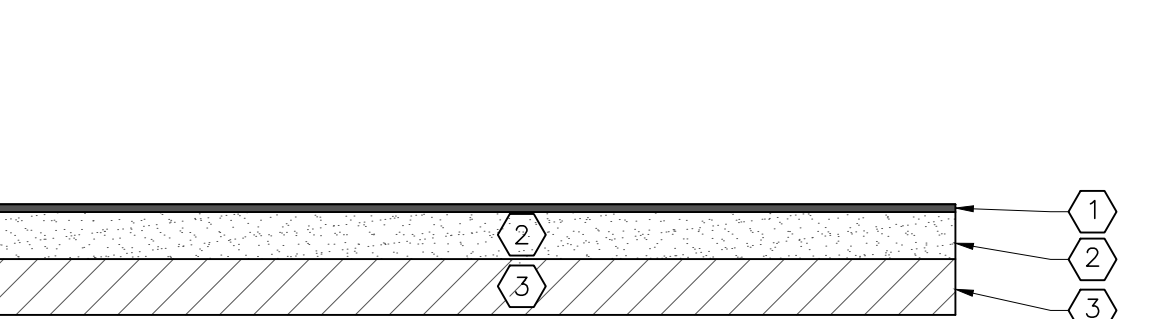
30" HIGH INTENSITY REFLECTORIZED MATERIAL REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION

3
C-8 R1-1 STOP SIGN DETAIL
NOT TO SCALE



- NOTES:
1. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 MM) FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE W/ U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBILITY DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
 2. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP & IN THE DIRECTION OF TRAVEL 24" FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE W/ U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBILITY DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.

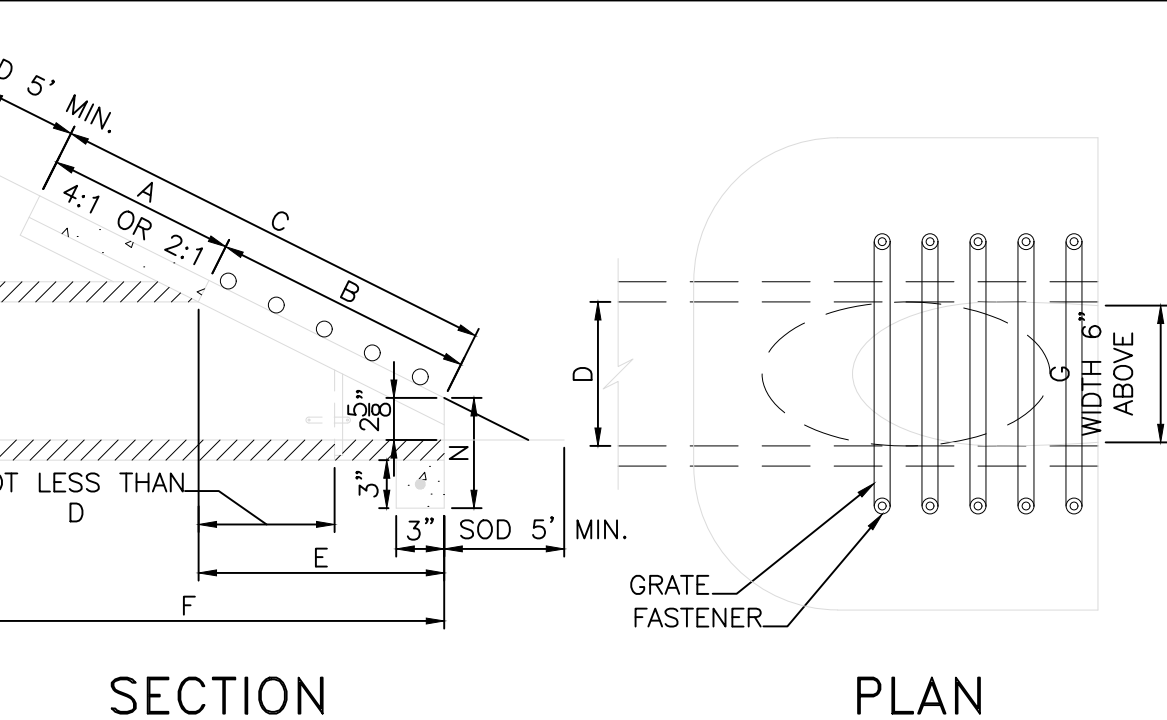
4
C-8 CURB RAMP DETECTABLE WARNING DETAIL
NOT TO SCALE



#KEYNOTES

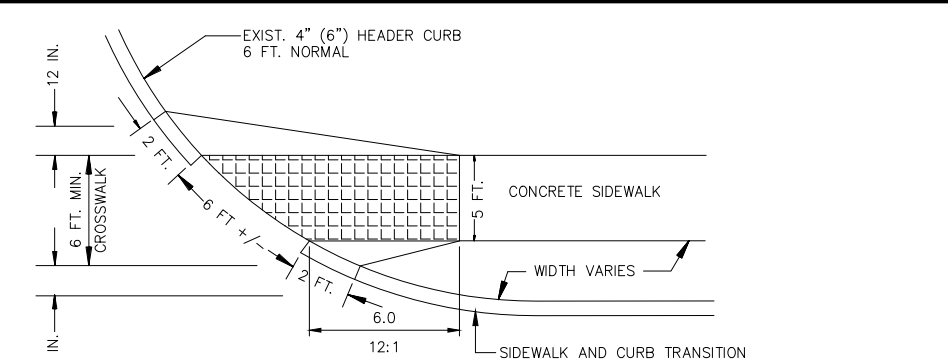
1. 2-1/2" MINIMUM, TYPE SP-12.5 ASPHALTIC CONCRETE WEARING SURFACE COMPACTED TO 95% OF LAB DENSITY.
 2. 10" CRUSHED CONCRETE BASE COURSE WITH MINIMUM LBR OF 120, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, AASHTO T-180) AND GRADATION TO MEET F.D.O.T. STANDARD SPECIFICATIONS OF ROAD & BRIDGE CONSTRUCTION.
 3. 12" SUBGRADE TO A MINIMUM FBV OF 75 PSI, ENTIRE 12" DEPTH TO BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).
- NOTE:
THE ASPHALTIC CONCRETE SHALL BE PLACED WITHIN THE ALLOWABLE LIFT THICKNESS FOR LIME TYPE SP MIXES PER THE LATEST EDITION OF F.D.O.T. STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

10
C-8 ASPHALT PAVING HEAVY DUTY SECTION
NOT TO SCALE

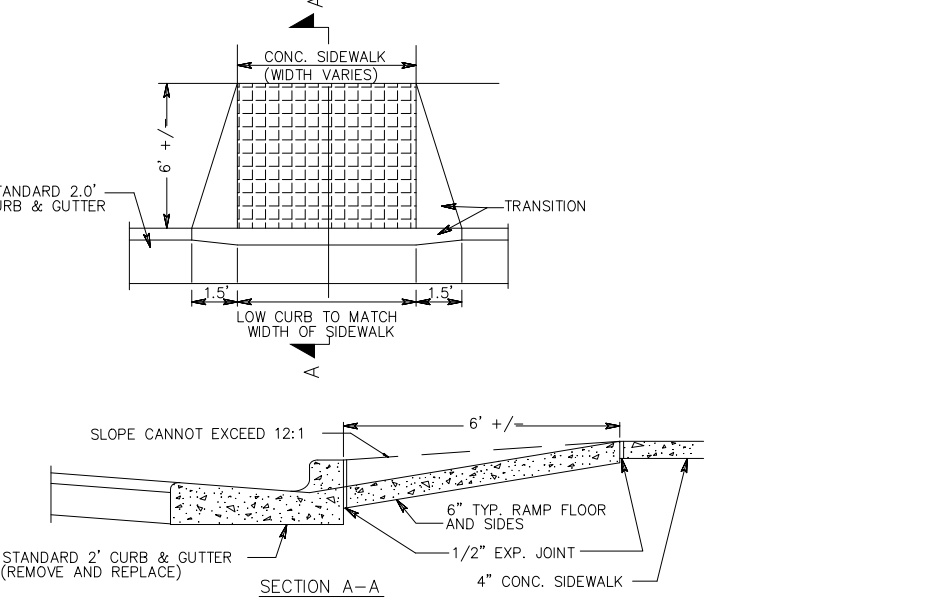


- NOTES
1. LETTERS REFER TO 2018 F.D.O.T. STANDARDS PLANS "DIMENSIONS AND QUANTITIES CHART" INDEX 430-021.
 2. REFER TO 2018 F.D.O.T. STANDARD PLANS INDEX 430-021 FOR ALL DESIGN CRITERIA, TYPICAL.
 3. PLACEMENT OF ENTRANCE BARRIERS SHALL BE ACCORDING TO 2018 F.D.O.T. STANDARD PLANS.

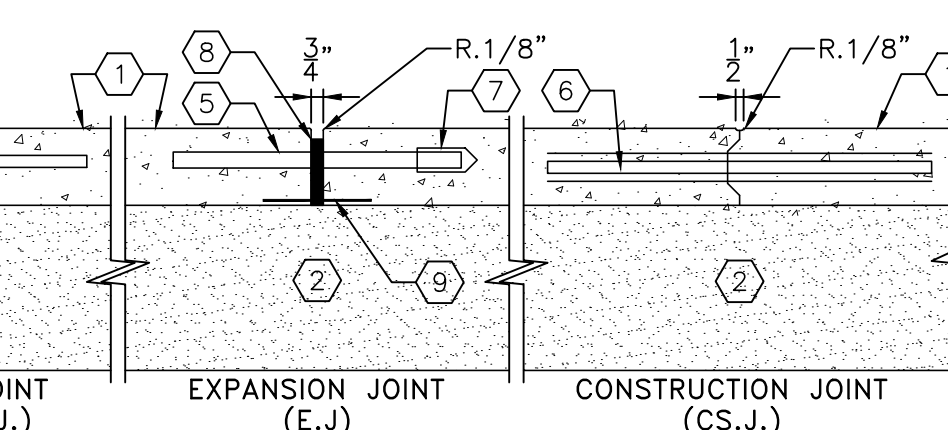
15
C-8 F.D.O.T. MITERED END SECTION
NOT TO SCALE



- NOTES:
1. ENTIRE EXISTING CURBING SECTION SHALL BE REMOVED AND REPAVED.
 2. LOW CURB AND TRANSITION MAY BE FORMED AT THE TIME OF CURB CONSTRUCTION.
 3. CONSTRUCT WITH CLASS A (3000 PSI) CONCRETE.
 4. REFER TO 2018 F.D.O.T. STANDARDS PLANS INDEX 522-002.



5
C-8 WHEELCHAIR RAMP-STRAIGHT
N.T.S. SW-HC-RAMP-FDOT-DET.dwg

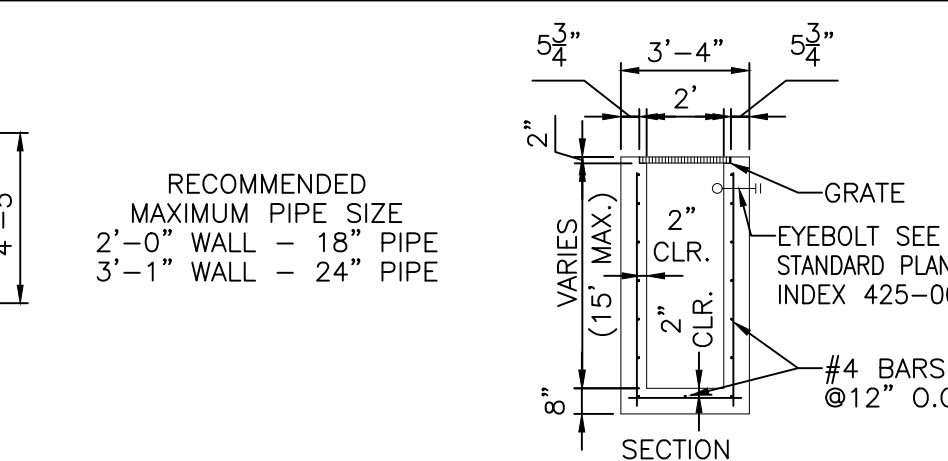


#KEYNOTES:

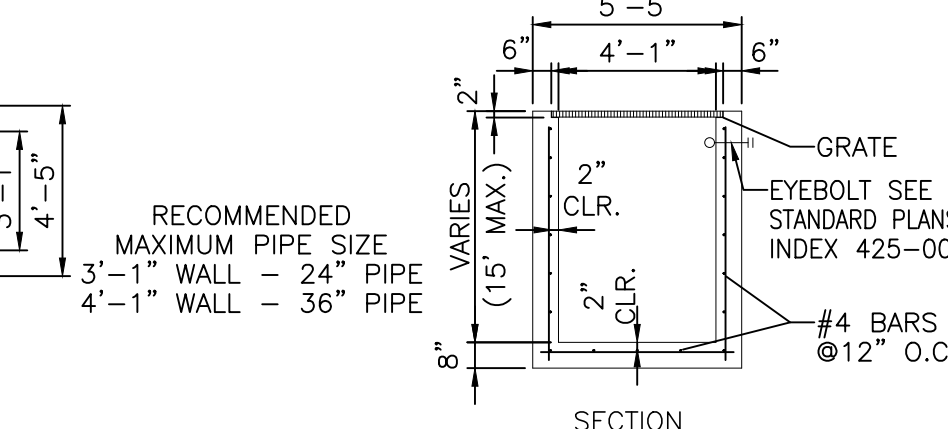
1. 7" PORTLAND CEMENT CONCRETE, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I. AIR ENTRAINED CONCRETE WITH FIBER MESH. (TYP.), 4" SLUMP MAXIMUM.
2. 12" COMPACTED SUBGRADE TO 98% MAXIMUM DENSITY (AASHTO T-180) AND STABILIZED TO MIN. FBV 75 PSI.
3. SAW CUT JOINT
4. #5 X 2'-0" LONG @ 24" O.C.
5. 1" X 1'-6" LONG SMOOTH DOWEL @ 18" O.C.
6. #5 X 2'-0" LONG @ 18" O.C.
7. METAL EXPANSION CAP. LUBRICATE AND CAP AT THIS END OF DOWEL
8. JOINT FILLER HOLD DOWN 1 1/4" FROM SURFACE
9. GEOTEXTILE FILTER FABRIC 18" WIDE MINIMUM.

- NOTES:
1. PROVIDE 1/2" RADIUS ON ALL EXPOSED EDGES.
 2. PROVIDE 1/2" PREMOULDED EXPANSION JOINT WHERE CONCRETE PAVEMENT ABUTS OTHER CONCRETE PAVEMENT STRUCTURES, LIGHT POLES, ETC.

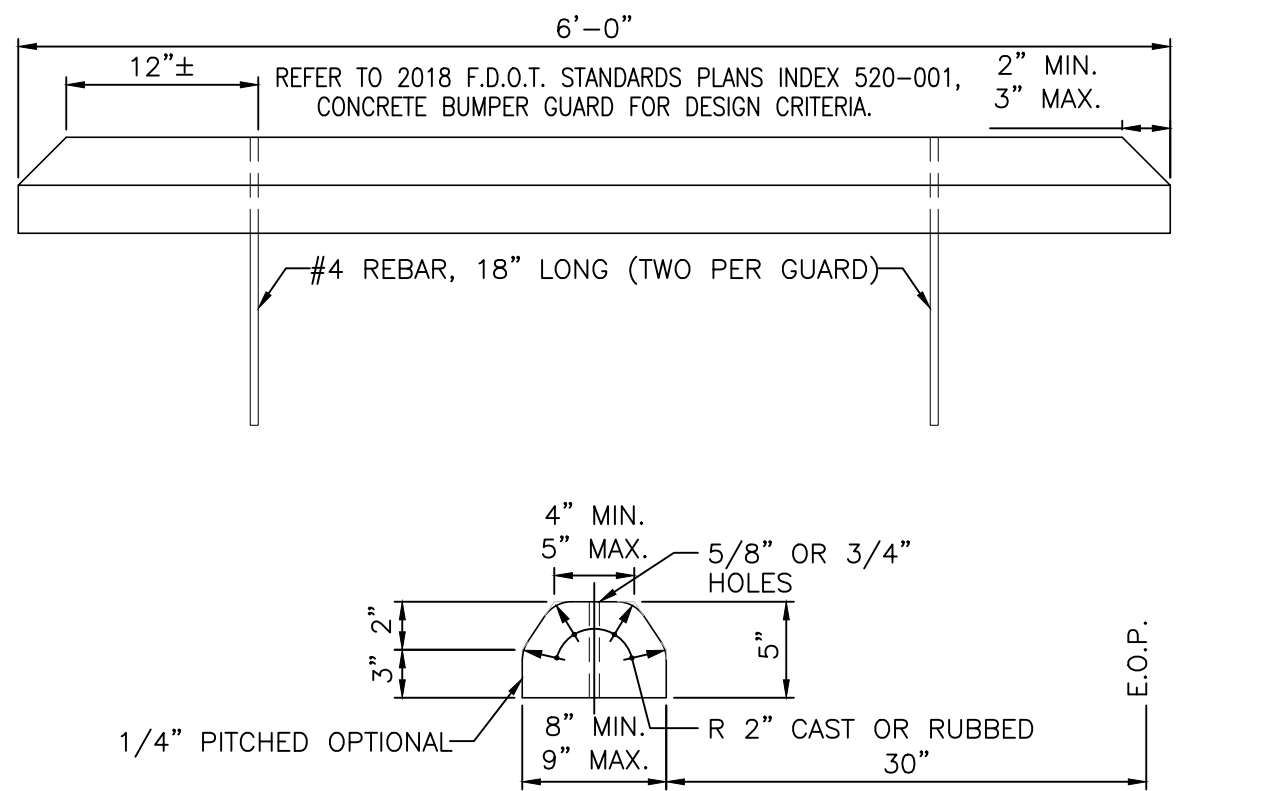
11
C-8 CONCRETE PAVEMENT DETAIL
SCALE 1" = 1'



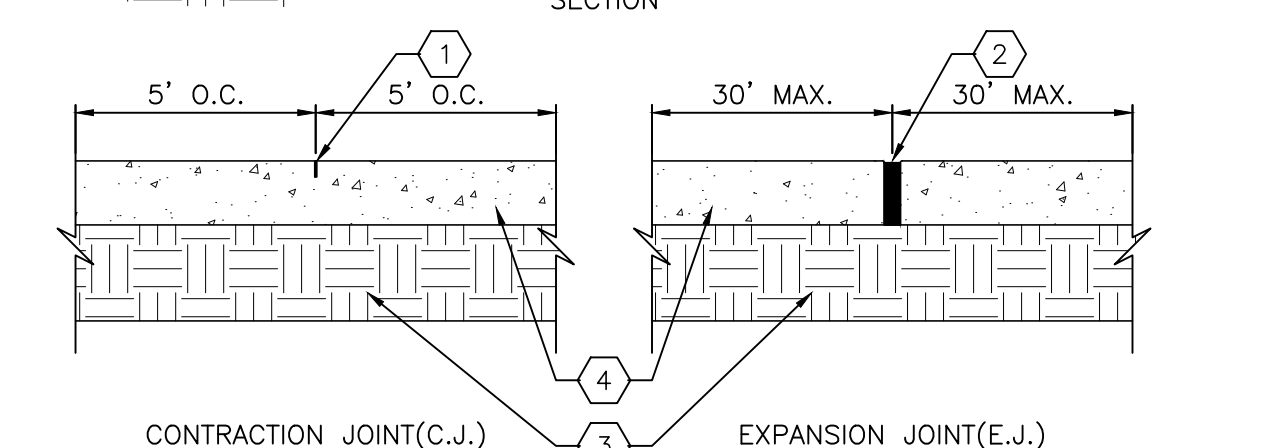
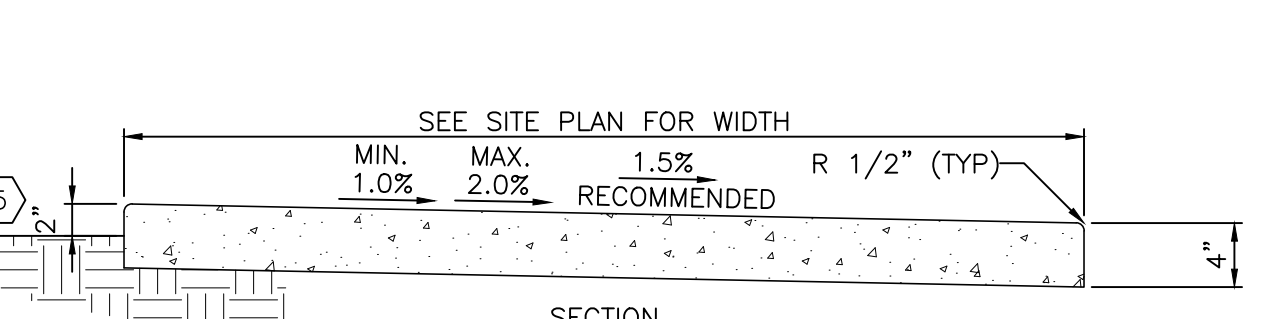
16
C-8 F.D.O.T. TYPE "C" INLET DETAIL
SCALE 1" = 5' INLET-TYPE-C-DET.dwg



17
C-8 F.D.O.T. TYPE "D" INLET DETAIL
SCALE 1" = 5' INLET-TYPE-D-DET.dwg

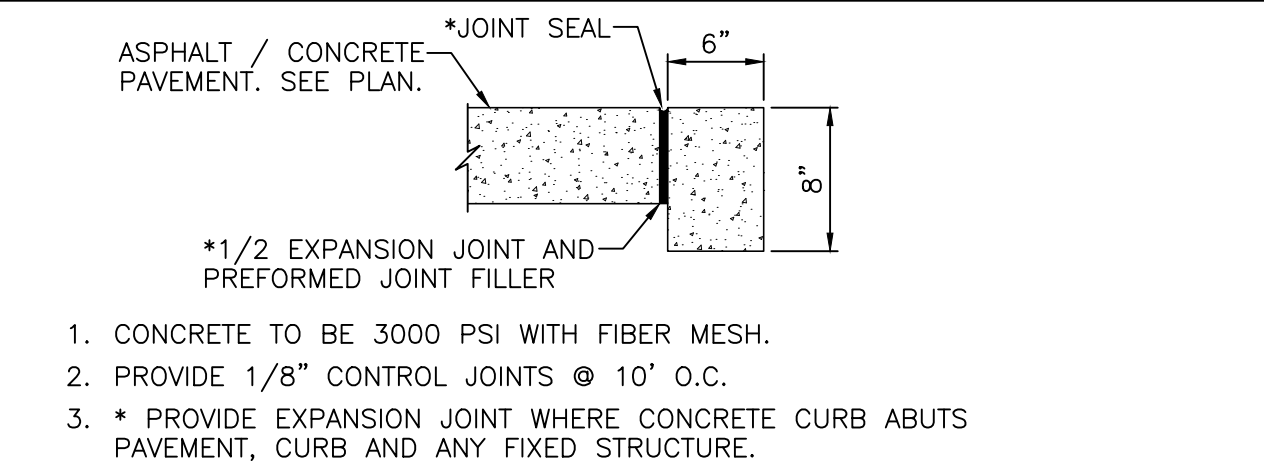


6
C-8 WHEEL STOP DETAIL
SCALE 1" = 1' WHL-STOP-DET.dwg



- #KEYNOTES
1. 1" DEEP 1/8" R TOOLED JOINT.
 2. PREMOULDED EXPANSION JOINT FILLER STRIP & JOINT SEALER W/1/8" R TOOLED EDGES.
 3. 6" COMPACTED SUBGRADE
 4. 3000 P.S.I. CONC. W/FIBER MESH(TYP)
 5. FINISHED GRADE (TYP.)

12
C-8 CONCRETE SIDEWALK
SCALE 1" = 1' SW-CONC-PS-PLAN.DWG



18
C-8 6"x8" RIBBON CURB
SCALE 1" = 1' CURB-RIBBON-6x8-DET.dwg

07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA



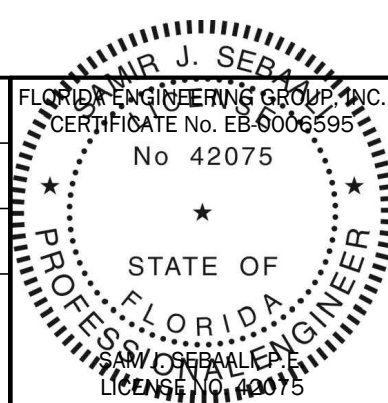
5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

www.thomasandhutton.com

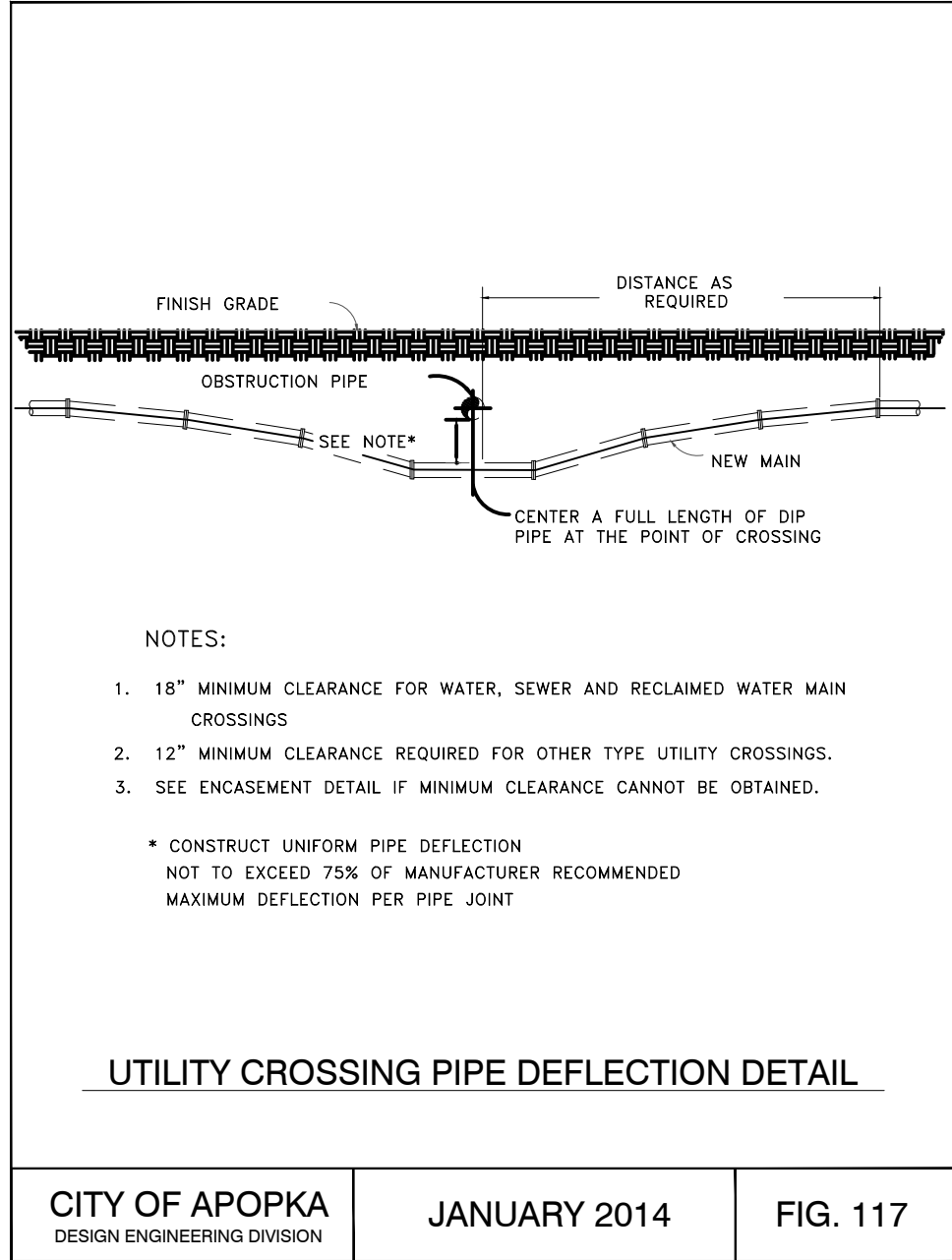
SITE CONSTRUCTION DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SJS	JT	SJS	SJS

PROJECT NO.	33555.0000
SCALE	NOTED
DATE	FEBRUARY 26, 2026
SHEET NO.	C-8
SHEET	9 OF 17



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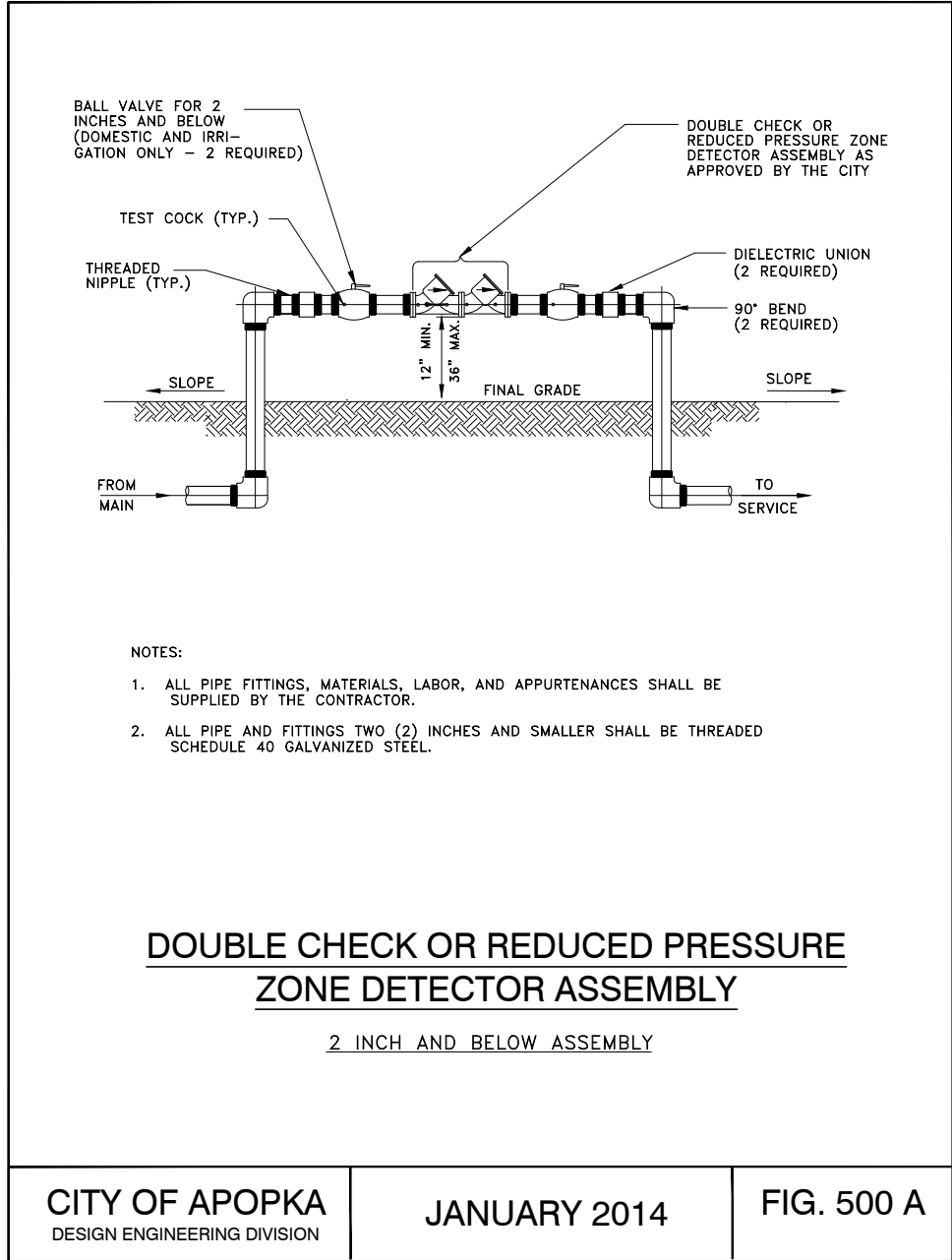


UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 117



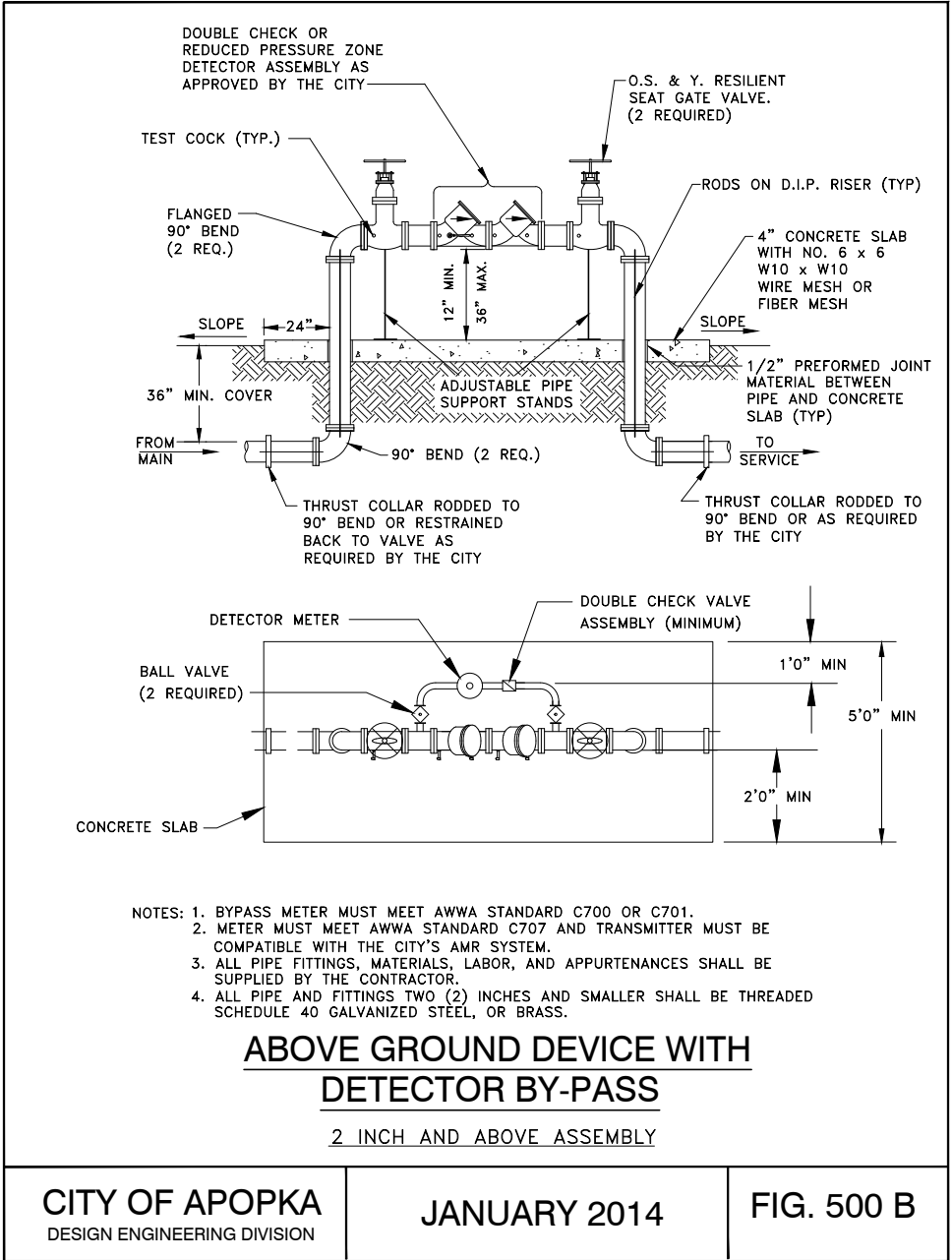
DOUBLE CHECK OR REDUCED PRESSURE
ZONE DETECTOR ASSEMBLY

2 INCH AND BELOW ASSEMBLY

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 500 A



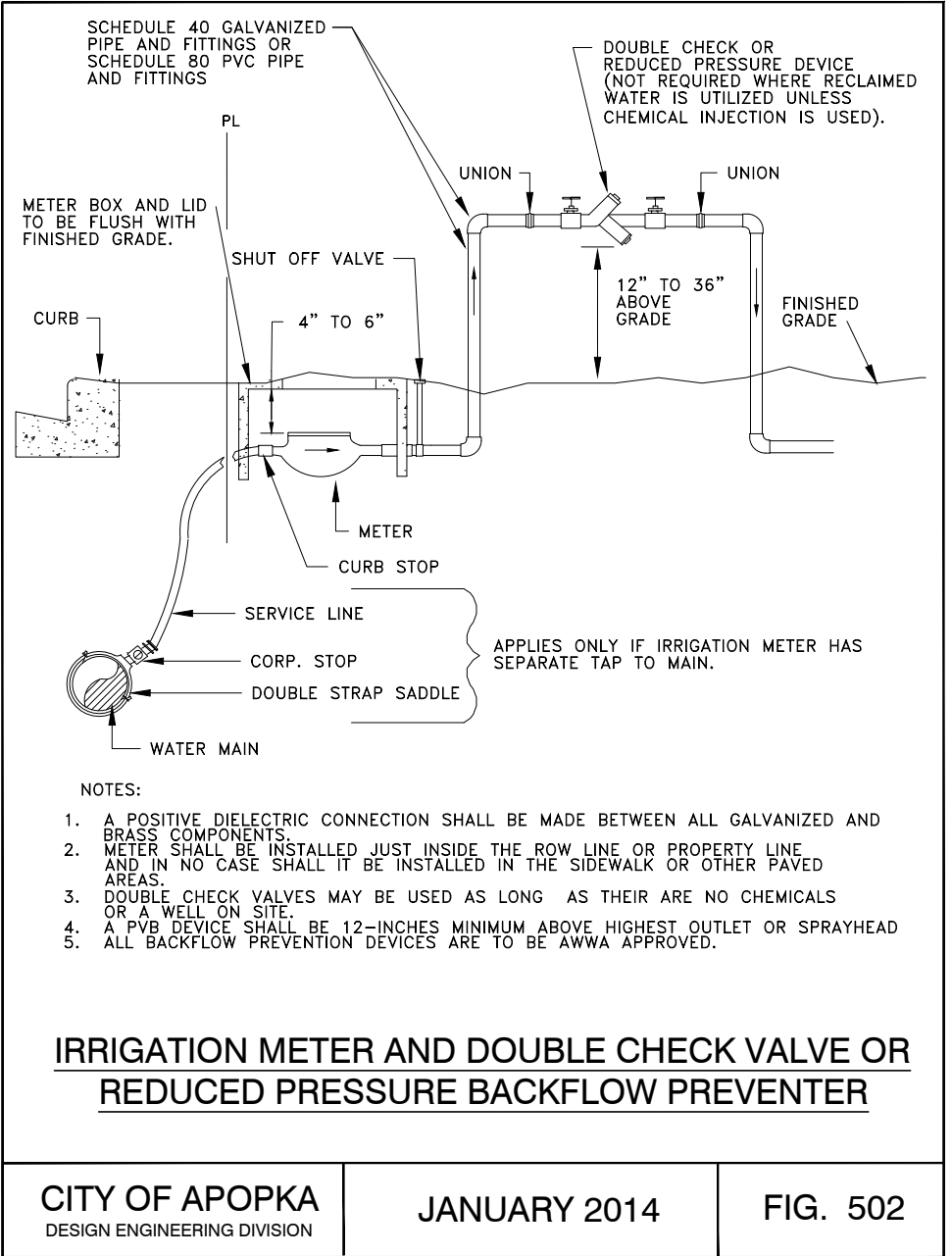
ABOVE GROUND DEVICE WITH
DETECTOR BY-PASS

2 INCH AND ABOVE ASSEMBLY

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 500 B



IRRIGATION METER AND DOUBLE CHECK VALVE OR
REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 502

07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA



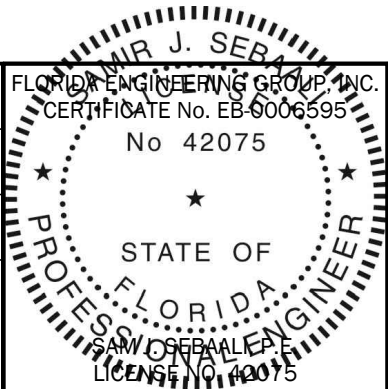
5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

www.thomasandhutton.com

CITY OF APOPKA WATER AND SEWER
DETAILS (2 OF 2)

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000
SCALE NOTED
DATE FEBRUARY 26, 2026
SHEET NO. C-9B
SHEET 11 OF 17



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NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:
RILEY & COMPANY, INC.
SANFORD, FL 32773
(407)265-9963

NO SUBSTITUTIONS - NO ALTERNATES
LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED.

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes a 20 Yr. Warranty. Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida. After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible inside wetwell.

PUMPS: (3 YR. WARRANTY)
Submersible non-clog pumps shall be HOMA, Model GRP59/3/C. The pumps shall be installed in the H-20 GP FRP wetwell utilizing a slide rail system. The pumps shall be capable of pumping materials normally found in domestic and commercial sewage which will pass through the pump and the Sch. 80 PVC discharge piping. Stator winding shall be open type with Class H insulation and shall be heat-shrink fitted into the stator housing. The use of pins, bolts, or other fastening devices is not acceptable. A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in the control panel to stop motor if winding temperature exceeds 140 C., but shall automatically reset when the winding temperature returns to normal. Two heat sensor thermostats shall be used on three phase motors. Upper & lower mechanical seals shall be Silicon Carbide vs Silicon Carbide.

DUPLEX CONTROL PANEL: (3 YR. WARRANTY)
To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minimum of 10 years history in the manufacturing of electrical control panels. The Enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep fiberglass with 4 point latching system. The enclosure shall have external mounting feet to allow for wall mounting. The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light) 4" x 4" Minimum Diameter
1- ea. Alarm Horn (minimum 95 DCB)
1- ea. Generator Receptacle w/ weatherproof cover(SCM460 -UL 1686)
1- ea. Alarm Silence Pushbutton

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

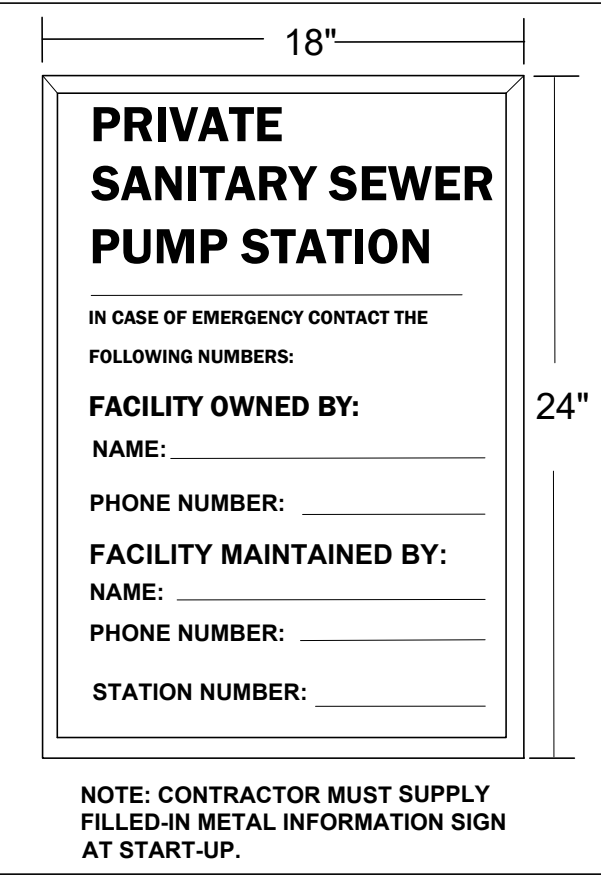
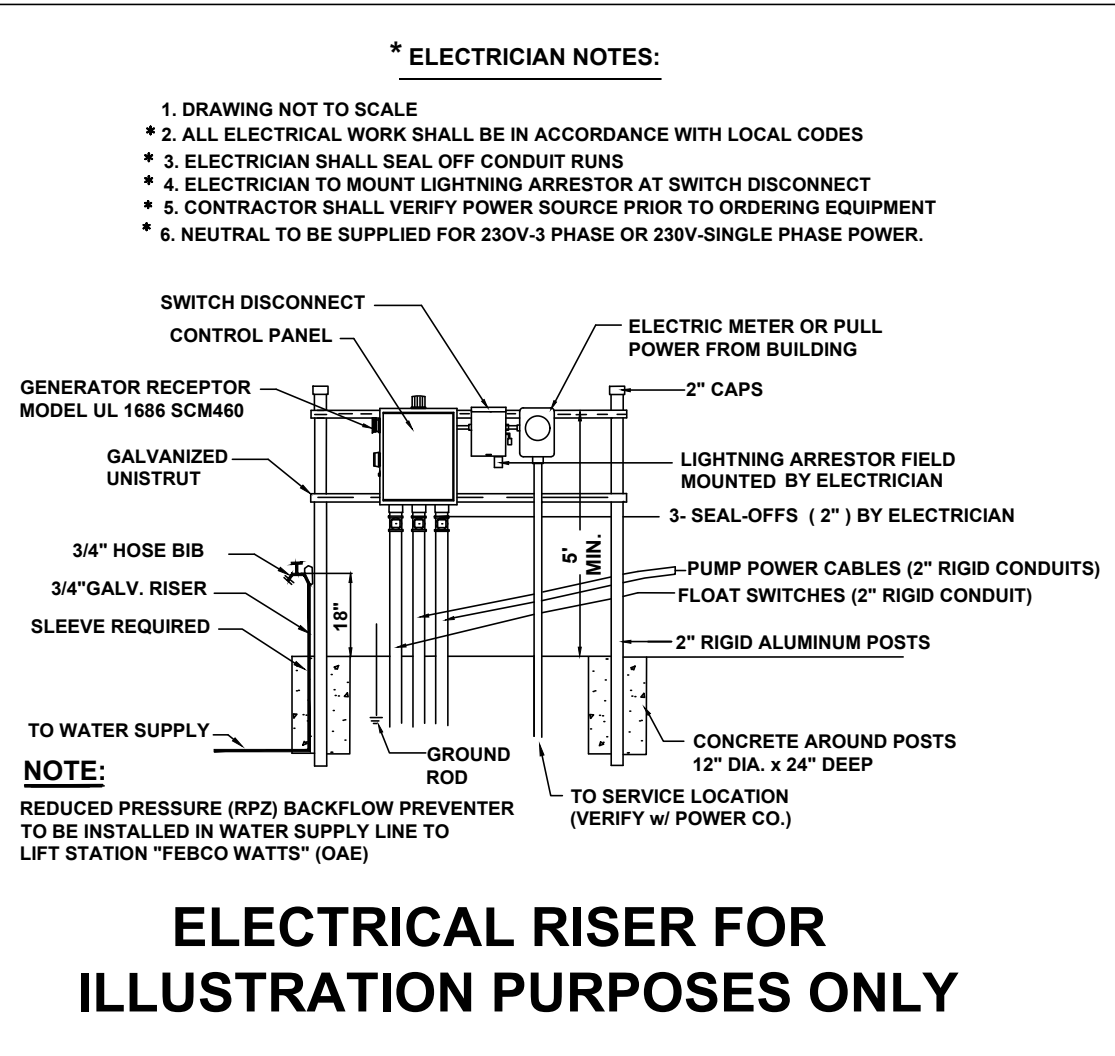
The following components shall be mounted to back panel:
2- ea. Motor Contactors
1- ea. Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
1- ea. Lightning Arrestor
1- ea. Silence Relay Module
1- ea. Duplex Alternator w/ Pump Selector Switch
1- ea. Model RCBB5AH Battery Back-Up w/ Smart Charger For The High Level Alarm System
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
7- ea. Grounding Lugs
1- ea. Seal Failure Relay

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

The following components shall be mounted through the inner door:
1- ea. Main Circuit Breaker
1- ea. Emergency Circuit Breaker
1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
2- ea. Short Circuit Protectors w/ Auxiliary Contacts
1- ea. Control Circuit Breaker
2- ea. Seal Failure Indicator Lights
1- ea. Hand-Off-Auto Selector Switches
2- ea. Pump Run Pilot Lights
1- ea. Power On Pilot Light
2- ea. Elapse Time Meters (Non-Resetable)
1- ea. GFI Duplex Convenience Outlet

RILEY & Company, Inc. (H-20 LP)
w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS ©
& RILEY & COMPANY GUARD PRO MONITORING SYSTEM

PROPOSED PUMP DATA		ELEVATIONS	
	CONDITION #1		
PRIMARY PUMP CAPACITY	80 GPM	TOP OF WETWELL	132.00
PRIMARY TDH	114' TDH	INLET INVERT	125.95
PUMP MANUFACTURER	HOMA	HIGH LEVEL ALARM (HLA)	125.50
PUMP MODEL #	GRP59/3/C	2nd PUMP ON (LAG)	125.00
R.P.M.	3450	1st PUMP ON (LEAD)	124.50
HORSEPOWER	5.0	PUMPS OFF (OFF)	123.00
ELECTRICAL/ VOLTS / PHASE	230V/3	BOTTOM OF WETWELL	121.00
PUMP DISCHARGE SIZE	2"	WETWELL DIAMETER	48"
IMPELLER TYPE	OPEN MULTI-VANE IMPELLER W/CUTTER	100 YEAR - FLOOD ELEV.	N/A



LIFT STATION SHALL BE PRIVATELY OWNED AND MAINTAINED.

- NOTES:**
- Water service with hose bibb and reduced pressure backflow preventer to be installed near lift station. (See Electrical Riser Illustration)
 - System shall be operated and maintained to provide uninterrupted service as required by DEP Chapter 62-604.500.
 - Approved Operation & Maintenance Manual(O&M) shall be kept available for operation and maintenance personnel
 - A weather resistant emergency contact sign shall be installed at the lift station and made visible to the public (Lettering shall be min. 2" in height.
 - INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance for the complete system.

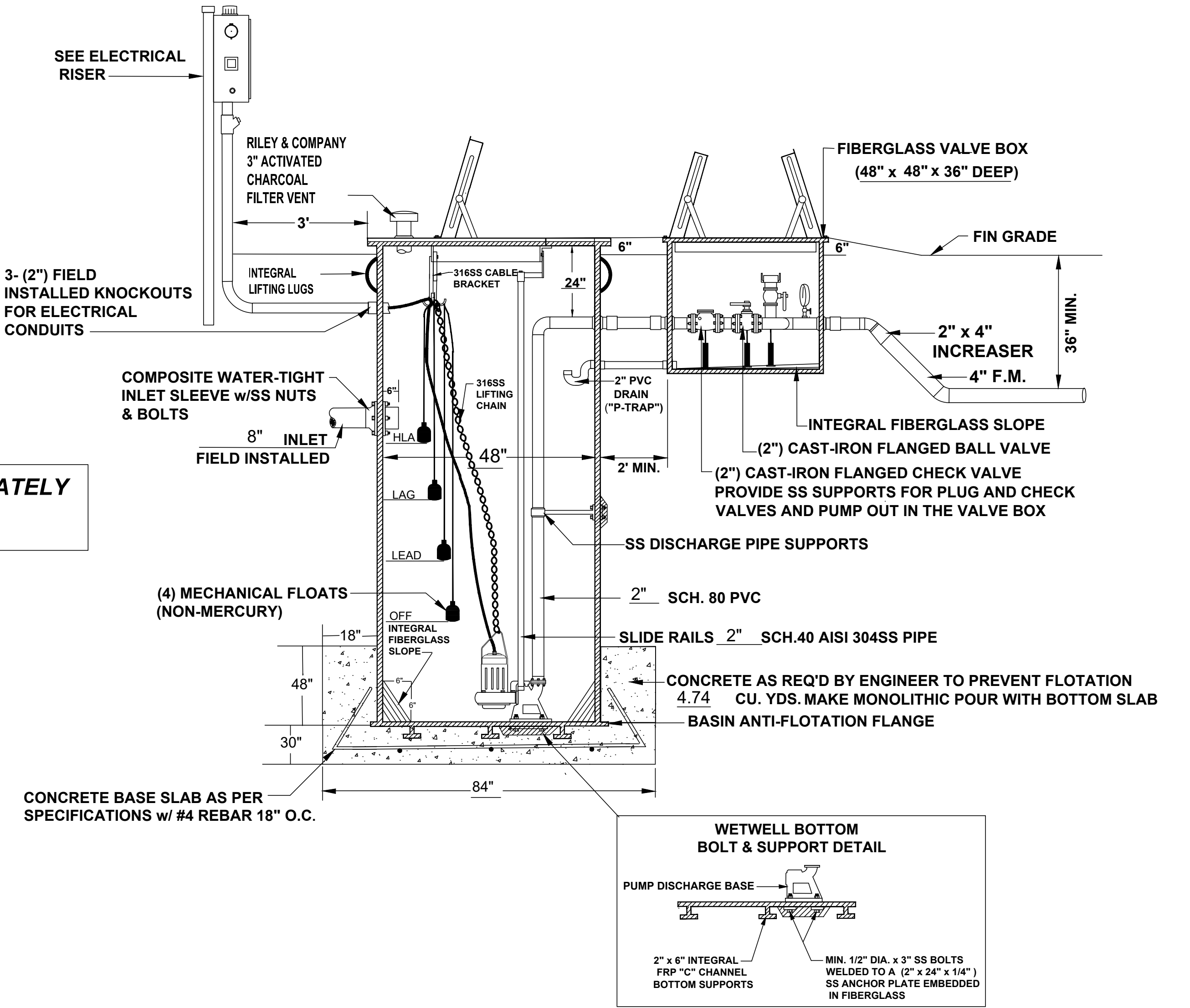
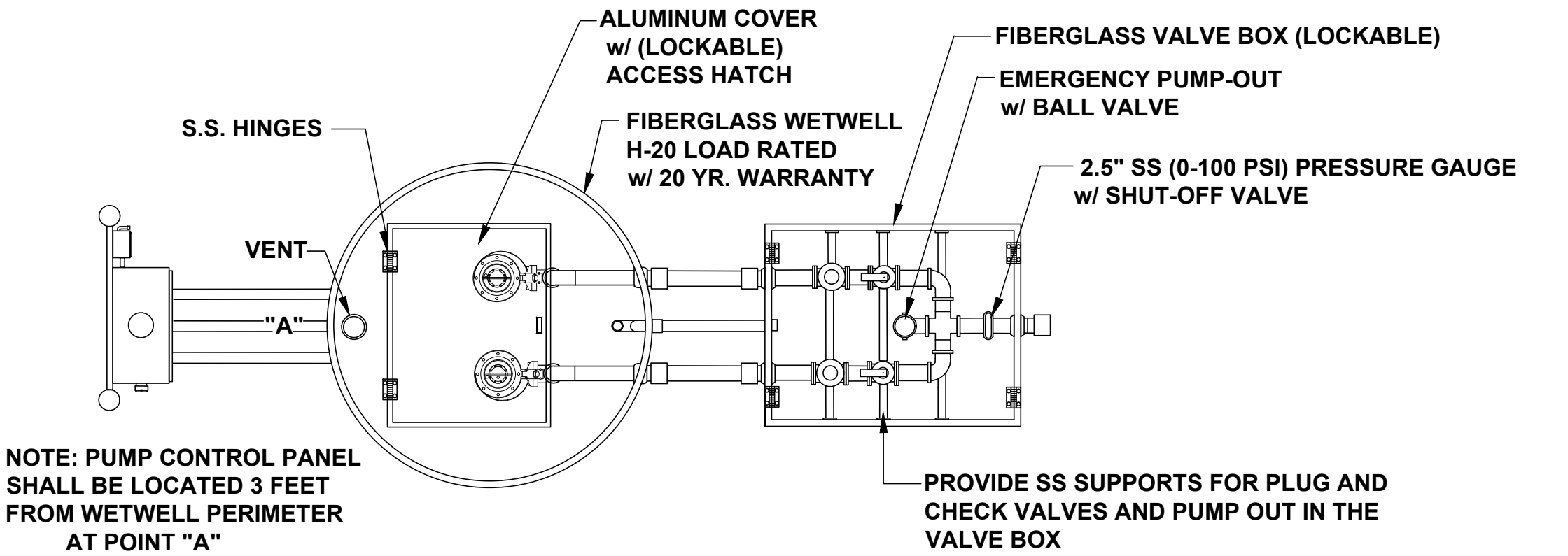
ELECTRICAL INFORMATION IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED AS PART OF THE ENGINEERING DESIGN OR CERTIFICATION BY THE SIGNING PROFESSIONAL ENGINEER. ANY ELECTRICAL DESIGN NEEDED FOR THE LIFT STATION SHALL BE CONFIRMED AND CERTIFIED BY A PROFESSIONAL ELECTRICAL ENGINEER.

A SERVICE CONTRACT WILL BE REQUIRED WITH THE MANUFACTURER OF THE LIFT STATION EQUIPMENT OR AN APPROVED REPAIR - MAINTENANCE PROVIDER.

LIFT STATION MUST HAVE - EMERGENCY PUMPOUT - AUDIBLE AND VISUAL ALARM - EMERGENCY GENERATOR RECEPTACLE - EMERGENCY AUTO DIALER PROGRAMMED WITH THE RESPONSIBLE PARTY'S 24 HR. 7 DAY PHONE NUMBER.

ELECTRICAL CONNECTION SHALL BE PROVIDED FROM THE EMERGENCY GENERATOR TO THE PRIVATE LIFT STATION. ELECTRICAL ENGINEERING TO CONFIRM ALL ELECTRICAL REQUIREMENTS FOR THE LIFT STATION INCLUDING EMERGENCY GENERATOR AND AVAILABLE POWER.

TOP ELEVATION OF WET WELL SHALL BE AT LEAST 6" ABOVE THE SURROUNDING GRADE .



07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

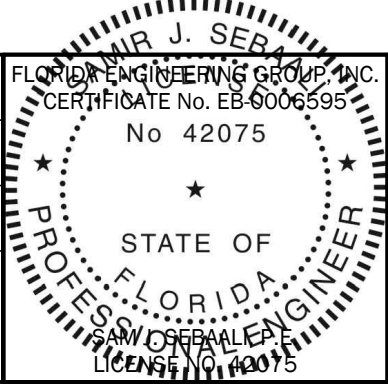


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Fax: 407-895-0325
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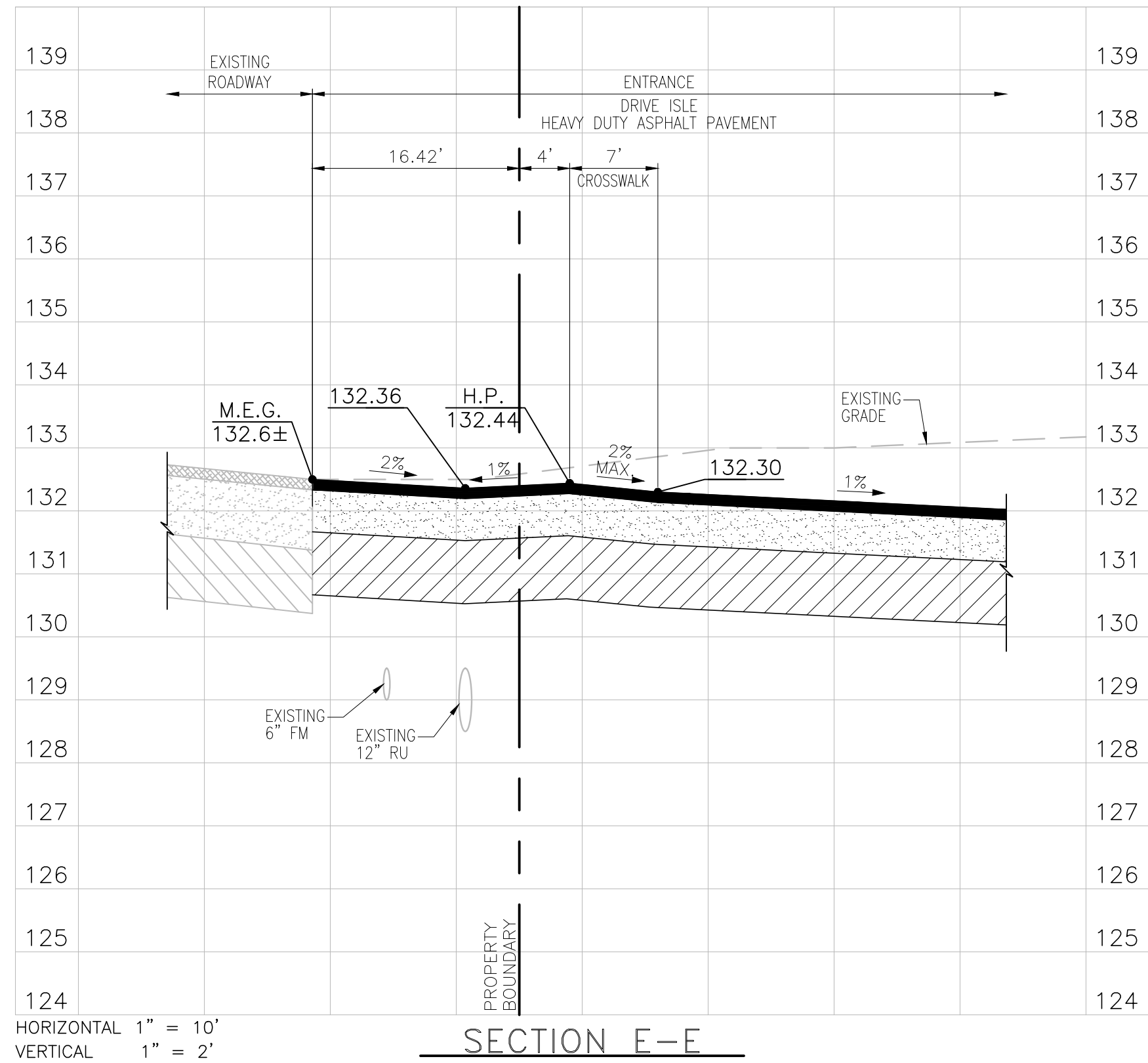
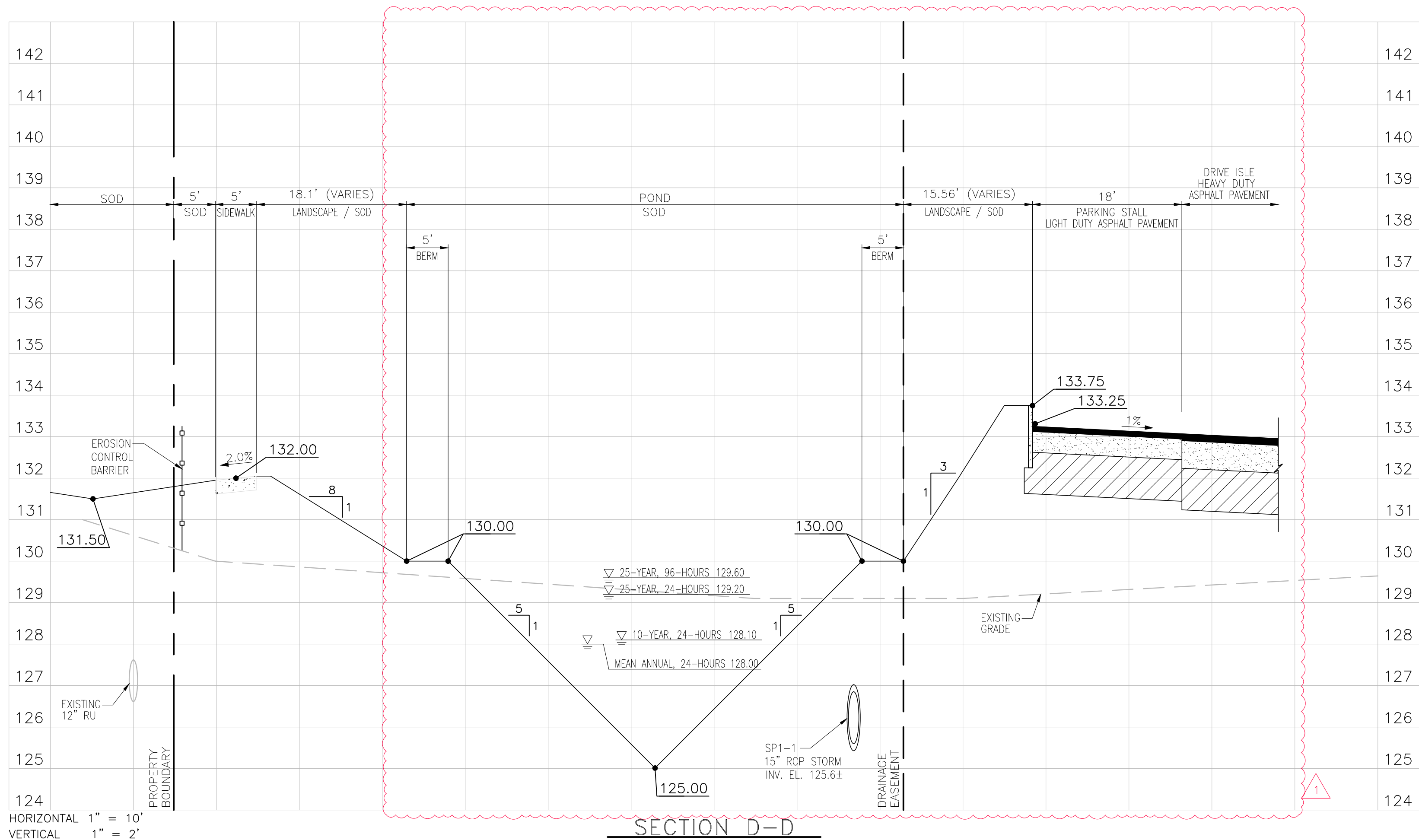
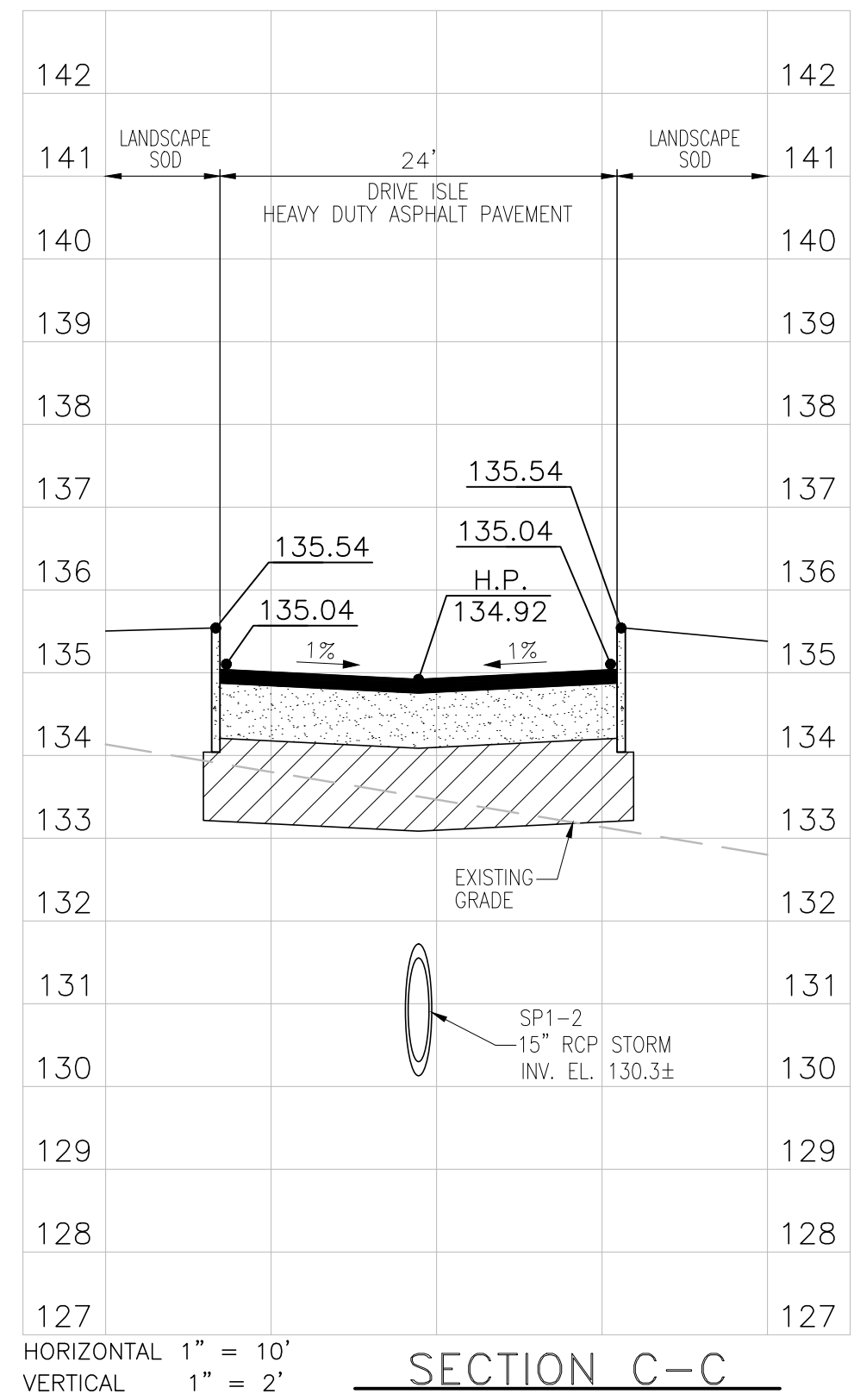
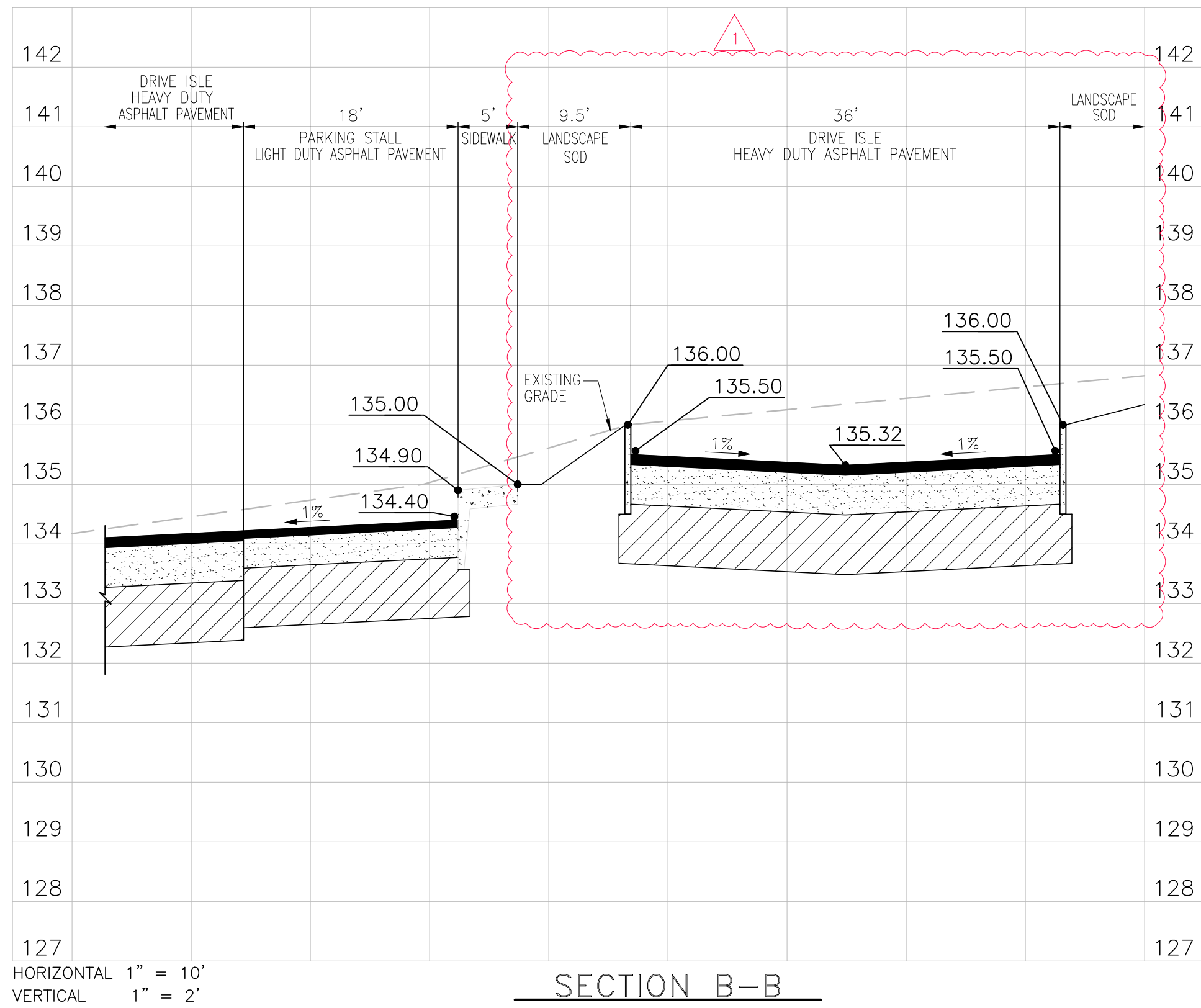
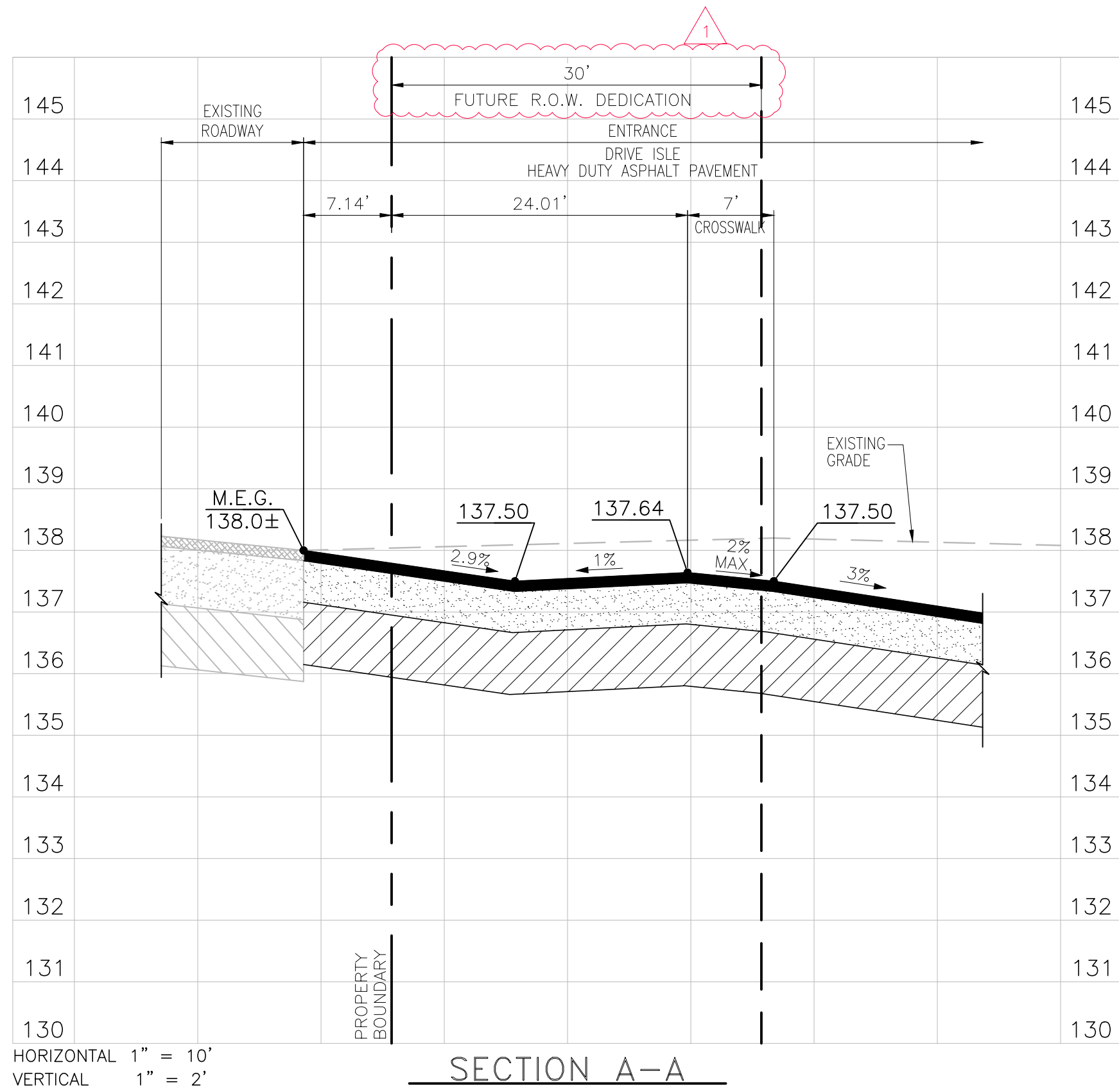
LIFT STATION DETAILS

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
--------------------	----------------	-------------------	--------------------

PROJECT NO. 33555.0000
SCALE NOTED
DATE FEBRUARY 26, 2026
SHEET NO. C-10
SHEET 12 OF 17



THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY:
SAM J. SEBAALI, P.E.
ON THE DATE ADJACENT TO THE SEAL.
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07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

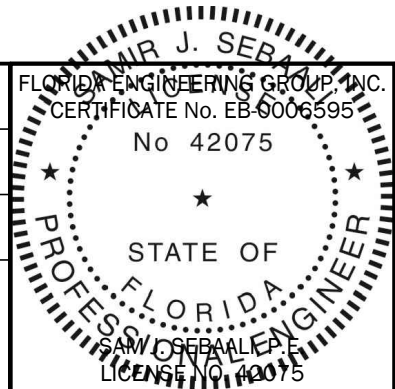


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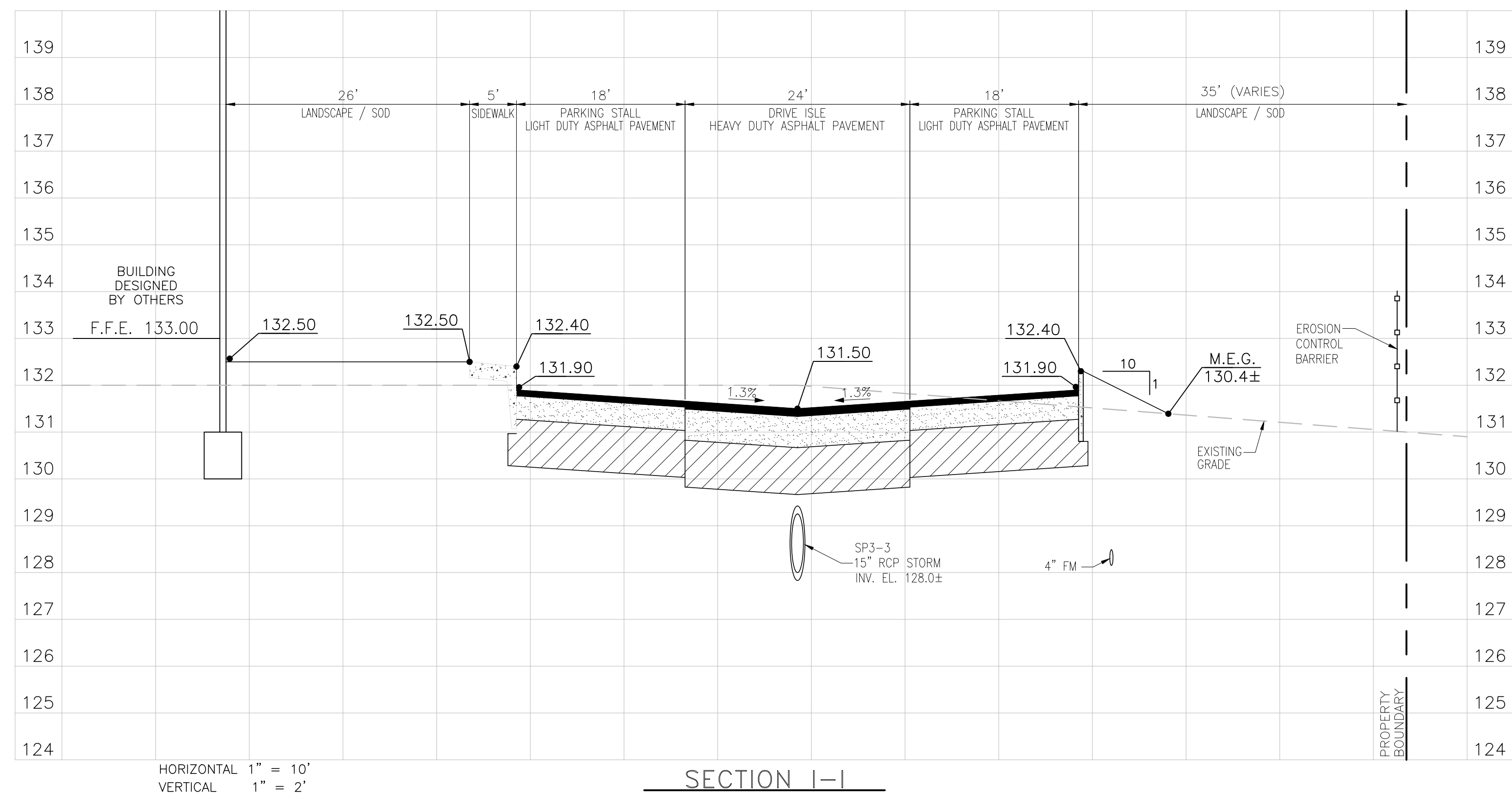
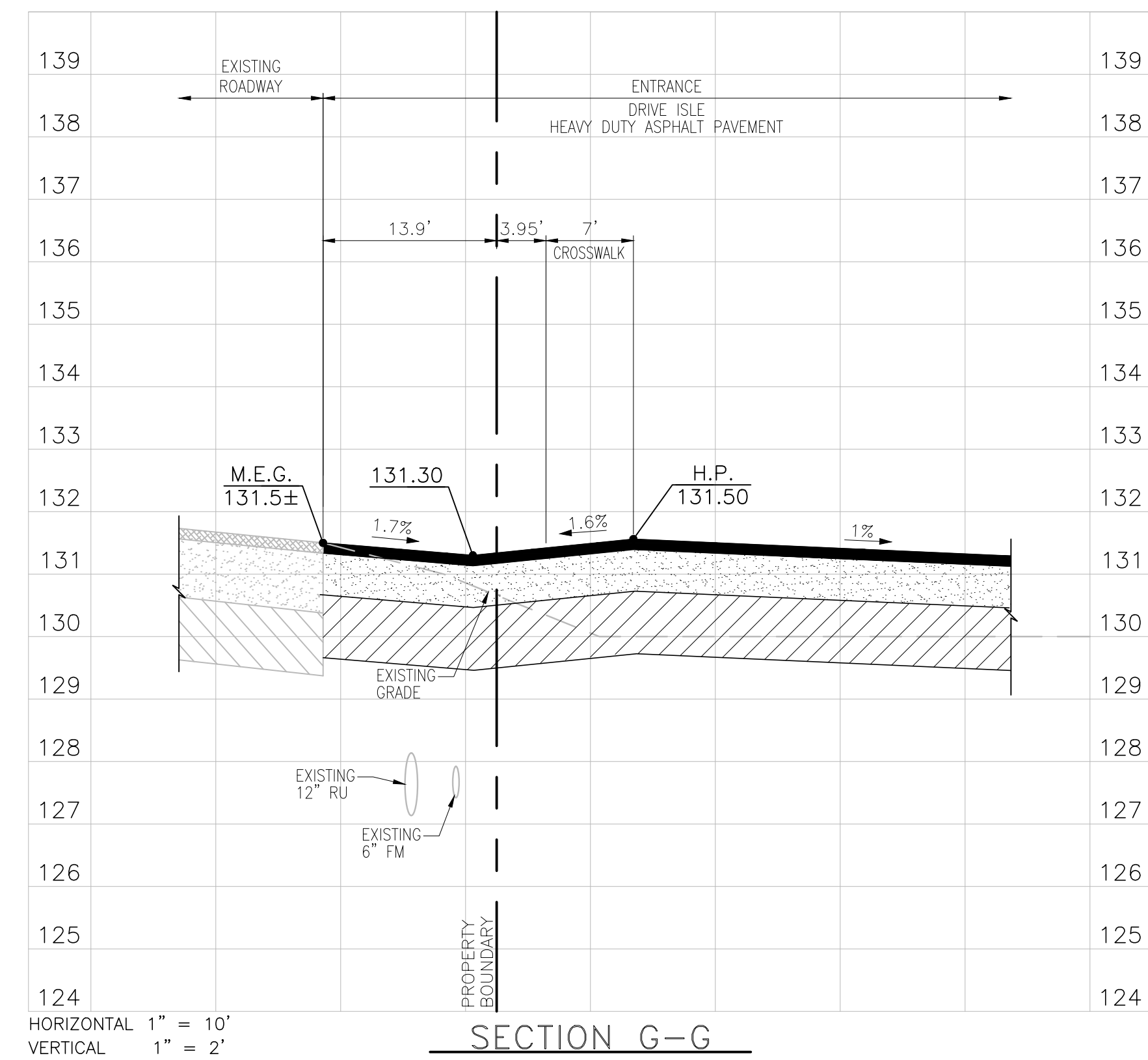
SITE CROSS SECTIONS (1 OF 2)

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000
SCALE NOTED
DATE FEBRUARY 26, 2026
SHEET NO. C-11A
SHEET 13 OF 17

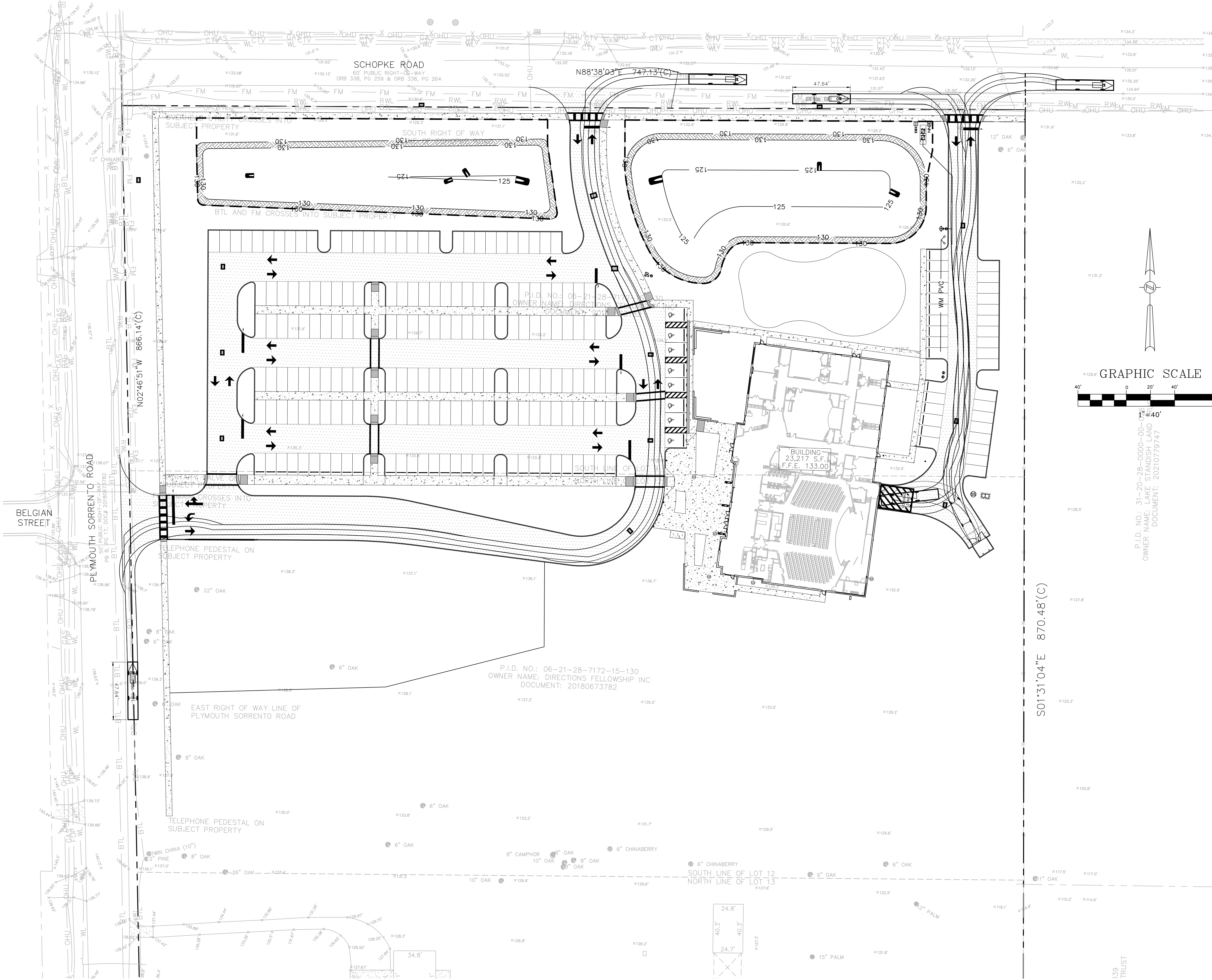


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47.64

OCFRD Platform — 47.64 ft.

Overall Length8.330ft

Overall Width10.489ft

Overall Body Height0.920ft

Min. Body Ground Clearance8.330ft

Track Width6.00s

Lock-to-lock time44.20°

Max Steering Angle (Virtual)

47.640ft

8.330ft

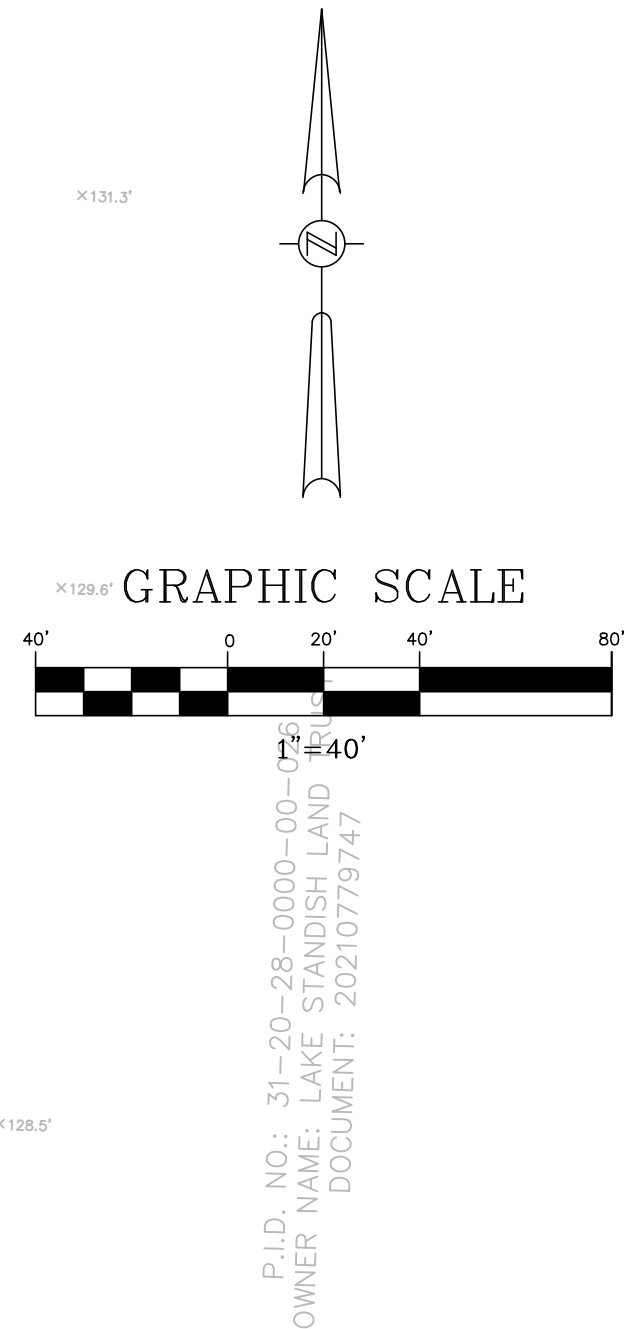
10.489ft

0.920ft

8.330ft

6.00s

44.20°



07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

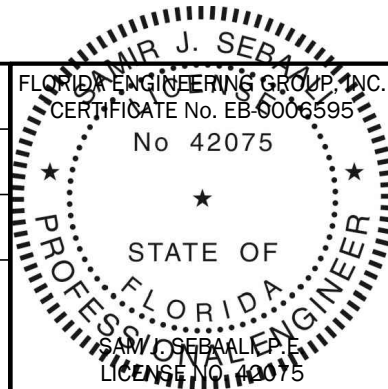


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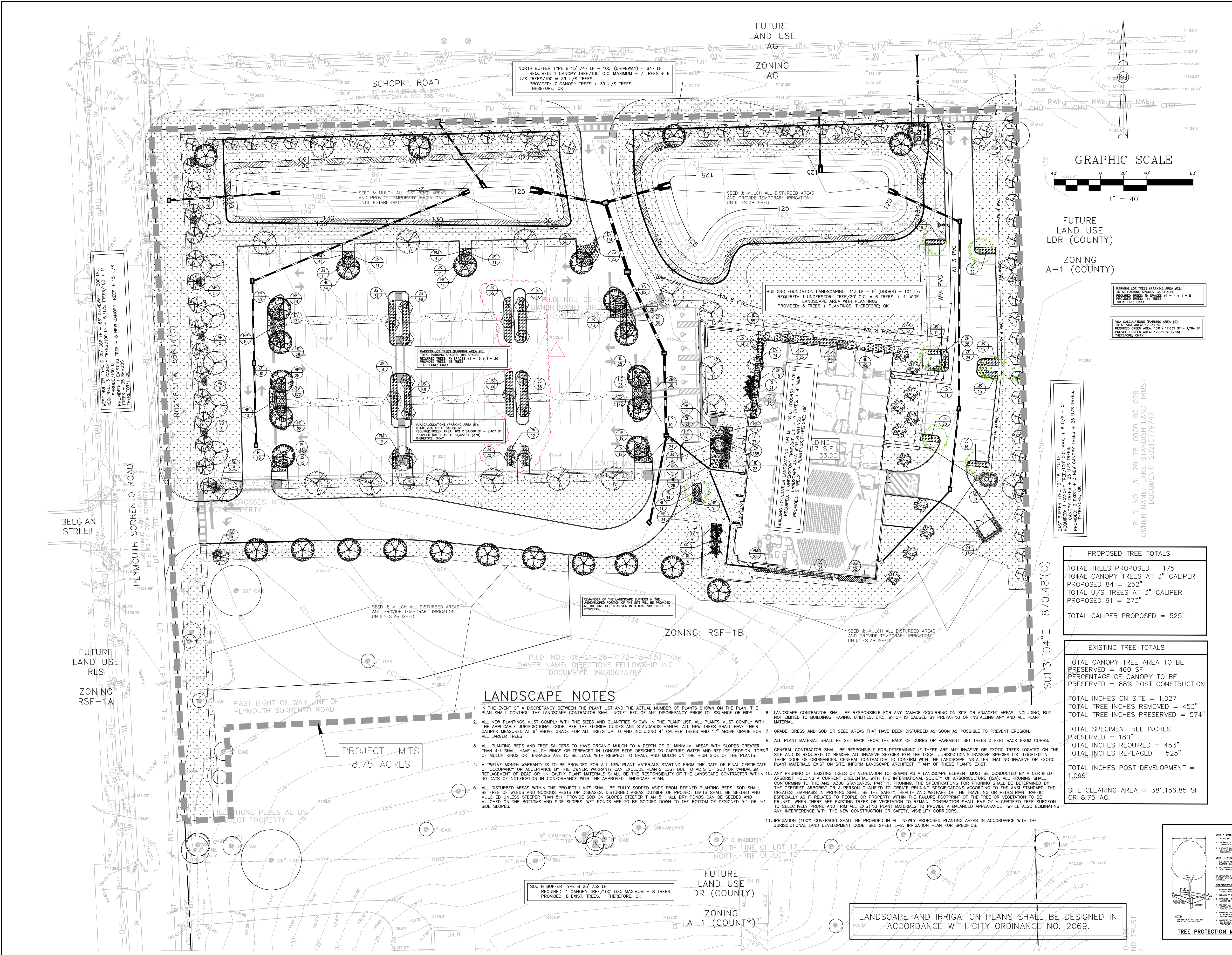
SITE FIRE TRUCK AUTO TURN PLAN

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
--------------------	----------------	-------------------	--------------------

PROJECT NO. 33555.0000
SCALE NOTED
DATE FEBRUARY 26, 2026
SHEET NO. C-12
SHEET 15 OF 17



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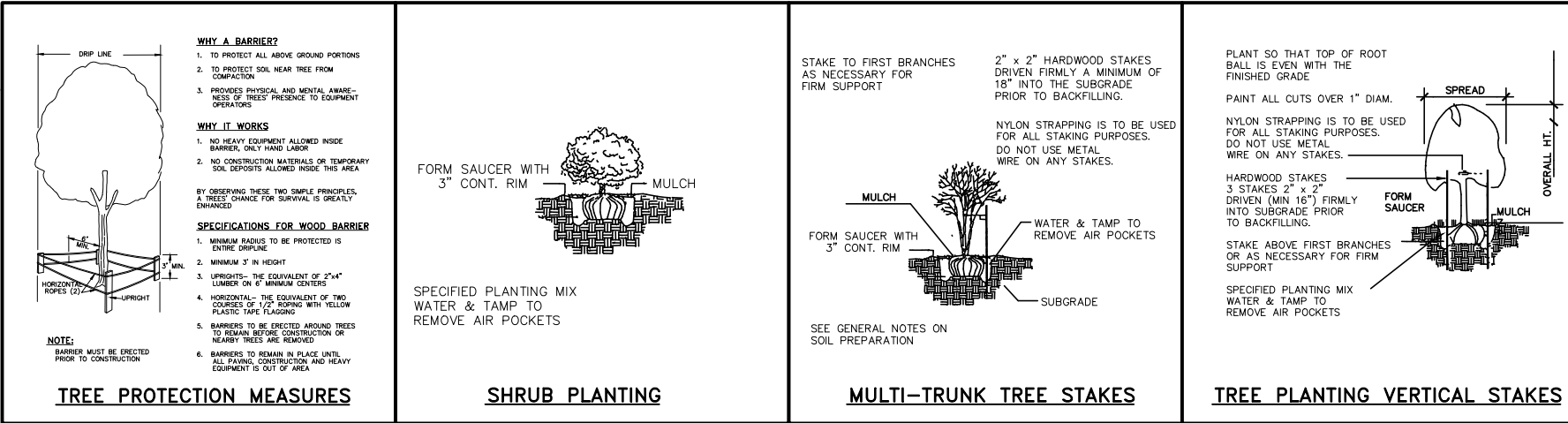
FLORIDA FRIENDLY
LANDSCAPE SCHEDULE

TREES					
SYMBOL	ABR.	BOTANICAL NAME	COMMON NAME	MINIMUM SIZE	QUANTITY
	QV	QUERCUS VIRGINICA 'HIGH RISE'	HIGH RISE LIVE OAK	10' HT. 3" CAL.	9
	QL	QUERCUS SHUMARDII	SHUMARD OAK	10' HT. 3" CAL.	25
	UA	ULMUS ALATA	WINGED ELM	10' HT. 3" CAL.	29
	MG	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	8'-10' HT. 3" CAL.	5
	MV	MAGNOLIA VIRGINIANA	BAY MAGNOLIA	8'-10' HT. 3" CAL.	11
UNDERSTORY TREES					
	LL	LIGUSTRUM LUCIDUM	TREE LIGUSTRUM	7' HT. 3" CAL.	80
	IA	ILEX ATTENUATA 'EAGLESTON'	EAGLESTON HOLLY	6'-8' HT. 3" CAL.	19
PALM TREES					
	WR	WASHINGTONIA ROBUSTA	WASHINGTONIA PALM	15'-20' CT	3
	SP	SABAL PALMETTO	CABBAGE PALM	15'-18' HT. C.T.	6
SHRUBS					
	VS	VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	36" HT. 42" O.C.	87
	HP	FIREBUSH	HAMELIA PATENS	3 GAL. 24" 30" O.C.	37
	PM	YEW PODOCARPOS	PODOCARPOS MACROPHYLLA	3 GAL. 24" HT. 30" O.C.	57
GROUND COVER/SMALL SHRUB					
	EV	BLUE DAZE	EVOLVULUS GLOMERATUS	1 GAL. 12" O.C.	989
	HE	DAYLILY	HEMEROCALLIS SPP.	1 GAL. 12" O.C.	587
	IV	SCHELLINGS DWARF	ILEX VOMITORIA	3 GAL. 12"x15" 24" O.C.	59
	RI	INDIAN HAWTHORN	RAPHIOLEPIS INDICA	3 GAL. 12"x15" 24" O.C.	121
	JS	PARSONS JUNIPER	JUNIPERUS CHINENSIS	3 GAL. 24" O.C.	829
	ZP	COONTIE	ZAMIA PUMILA	3 GAL. 24" O.C.	324
	SOD	BAHIA HYBRID			
				QTY. BY CONTRACTOR	

PROPOSED TREE TOTALS
TOTAL TREES PROPOSED = 175
TOTAL CANOPY TREES AT 3" CALIPER PROPOSED 84 = 252"
TOTAL U/S TREES AT 3" CALIPER PROPOSED 91 = 273"
TOTAL CALIPER PROPOSED = 525"

EXISTING TREE TOTALS
TOTAL CANOPY TREE AREA TO BE PRESERVED = 460 SF
PERCENTAGE OF CANOPY TO BE PRESERVED = 88% POST CONSTRUCTION
TOTAL INCHES ON SITE = 1,027
TOTAL TREE INCHES REMOVED = 453"
TOTAL TREE INCHES PRESERVED = 574"
TOTAL SPECIMEN TREE INCHES PRESERVED = 180"
TOTAL INCHES REQUIRED = 453"
TOTAL INCHES REPLACED = 525"
TOTAL INCHES POST DEVELOPMENT = 1,099"
SITE CLEARING AREA = 381,156.85 SF OR 8.75 AC.

FLORIDA NATIVE PLANTS
PLANT LIST EXCEEDS 80% NATIVE PLANT MATERIALS IN QUANTITIES AND COVERAGE.



07/08/2026	PER CITY OF APOPKA DRC COMMENTS DATED 04/08/2026	JT	SJS
DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH
APOPKA, FLORIDA

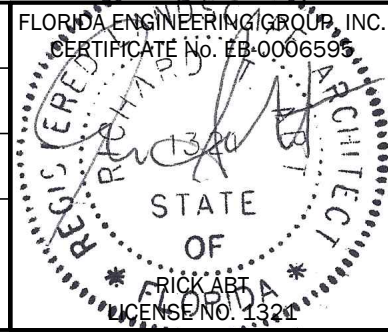


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SITE LANDSCAPE PLAN

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RTA	RTA	RTA	RTA

PROJECT NO.	33555.0000
SCALE	NOTED
DATE	FEBRUARY 26, 2026
SHEET NO.	L-1
SHEET 17	OF 18



THIS ITEM HAS BEEN ELECTRONICALLY
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RICK ABT
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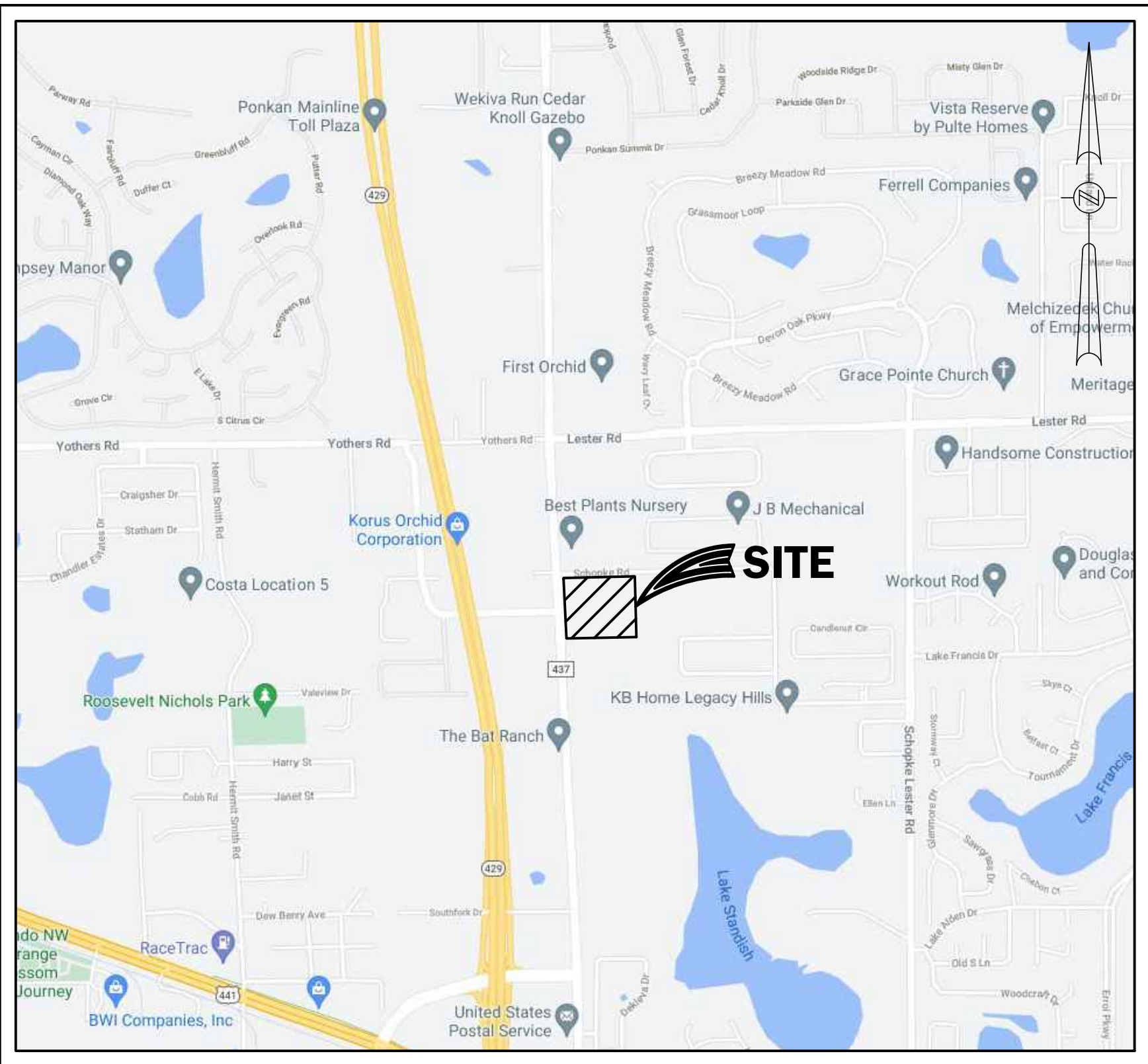
CONSTRUCTION PLANS

NORTHWEST CHURCH - EXISTING BUILDING RETROFIT

APOPKA, FLORIDA

PARCEL I.D. No. 06-21-28-7172-15-130

SITE VICINITY MAP



NOT TO SCALE

OWNER: DIRECTIONS FELLOWSHIP, INC. (NORTHWEST CHURCH)
5495 CLARCONA OCOEE RD.
ORLANDO, FL 32810
PHONE: (407) 578-2088
EMAIL: PBRUNTON@NORTHWESTORLANDO.COM

APPLICANT: DIRECTIONS FELLOWSHIP, INC. (NORTHWEST CHURCH)
5495 CLARCONA OCOEE RD.
ORLANDO, FL 32810
PHONE: (407) 578-2088
EMAIL: PBRUNTON@NORTHWESTORLANDO.COM

SURVEYOR: AMERICAN SURVEYING & MAPPING, INC
221 CIRCLE DRIVE
MAITLAND, FL 32751
PHONE: (877) 439-2582

PLAN INDEX

- C-1 COVER SHEET
- C-2 BOUNDARY & TOPOGRAPHIC SURVEY
- C-3 LEGEND, NOTES AND SPECIFICATIONS
- C-4A SITE DEMOLITION AND STORMWATER POLLUTION PREVENTION PLAN
- C-4B SITE DEMOLITION AND STORMWATER POLLUTION PREVENTION NOTES
- C-5 OVERALL SITE PLAN
- C-6 SITE GEOMETRY PLAN
- C-7 SITE PAVING, GRADING, AND DRAINAGE PLAN
- C-8 SITE CONSTRUCTION DETAILS
- C-9 SITE CROSS SECTIONS
- C-10 SITE AUTOTURN PLAN

UTILITY COMPANIES

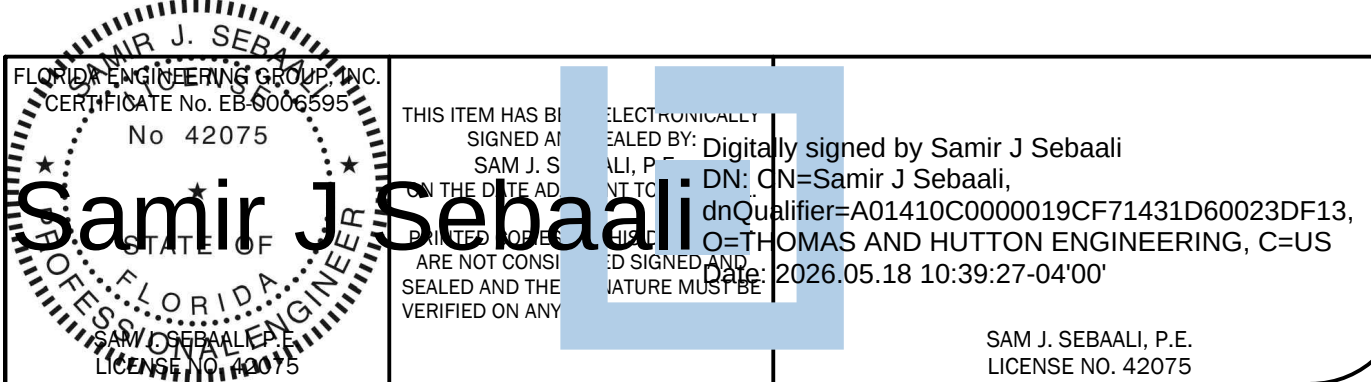
WATER: (407) 738-2464
SEWER: (407) 738-2464
ELECTRIC: (800) 778-9140
TELEPHONE: (877) 366-8344
TELEPHONE: (800) 778-9140
TELEPHONE: (561) 703-4965
FIBER: (800) 366-8344
FIBER: (800) 778-9140
GAS: (407) 955-1812

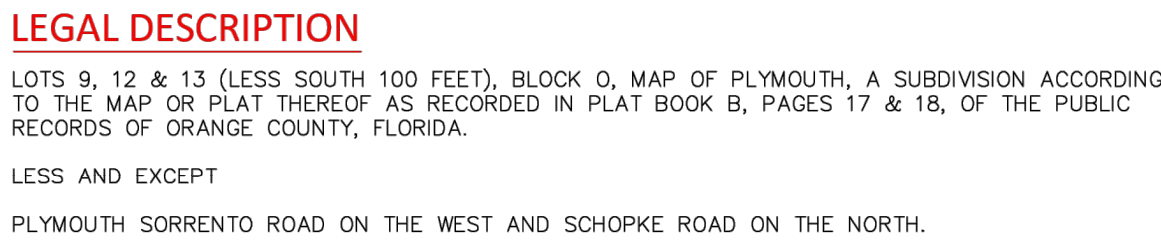
CITY OF APOPKA
CITY OF APOPKA
DUKE ENERGY
CENTURYLINK
CHARTER COMMUNICATIONS
HOTWIRE COMMUNICATIONS
CENTURYLINK
CHARTER COMMUNICATIONS
LAKE APOPKA NATURAL GAS DISTRICT



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Fax: 407-895-0325

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LOTS 9, 12 & 13 (LESS SOUTH 100 FEET), BLOCK O, MAP OF PLYMOUTH, A SUBDIVISION ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK B, PAGES 17 & 18, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

LESS AND EXCEPT
PLYMOUTH SORRENTO ROAD ON THE WEST AND SCHOPKE ROAD ON THE NORTH.

1. BEARINGS SHOWN HEREON ARE BASED ON EAST RIGHT-OF-WAY LINE OF PLYMOUTH CORRIENTO ROAD, WHICH BEARS N02°46'51"W, PER ASSUMED DATUM.
2. ALL STATEMENTS WITHIN THE CERTIFICATION, AND OTHER REFERENCES LOCATED ELSEWHERE HEREON, RELATED TO: UTILITIES, IMPROVEMENTS, STRUCTURES, BUILDINGS, PARTY WALLS, PARKING, EASEMENTS, SERVITUDES, AND ENCROACHMENTS ARE BASED SOLELY ON INSPECTION AND LOCATION OF ABOVE-GROUND, VISIBLE EVIDENCE, UNLESS ANOTHER SOURCE OF INFORMATION IS SPECIFICALLY REFERENCED HEREON.
3. BUILDING TIES SHOULD NOT BE USED TO RE-ESTABLISH BOUNDARY LINES.
4. THE SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RIGHT-OF-WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF LAND, NOR WAS ANY TITLE WORK PROVIDED TO THIS SURVEYOR BY THE CLIENT.
5. NOT VALID WITHOUT THE CERTIFIED ELECTRONIC SIGNATURE AND SEAL OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR & MAPPER PER FAC 5J-17.062(2) AND 5J17.062(3).
6. NO REVISIONS MAY BE MADE TO THIS BOUNDARY WITHOUT THE WRITTEN, EXPRESSED CONSENT OF THE SIGNING SURVEYOR.
7. ALL RECORDING INFORMATION SHOWN HEREON REFERS TO THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
8. VERTICAL INFORMATION BASED ON: BENCHMARK U 429 HAVING A PUBLISHED ELEVATION OF 102.09' (NAVD 83)
9. DESCRIBED AS: DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "U 429 1994"

UNDERGROUND UTILITIES ARE NOT SHOWN. NO SUB-SURFACE EXCAVATION OR EXPLORATION WAS PERFORMED FOR THE PURPOSE OF PREPARING THIS SURVEY, ONLY VISIBLE SURFACE EVIDENCE OF UTILITIES IS SHOWN.

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES WITHIN ZONE "X", AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 120180 0110 F (MAP NO. 12095SC0110F), WHICH BEARS AN EFFECTIVE DATE OF 9/25/2009, AND IS NOT IN A SPECIAL FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE. ZONE "X" DENOTES AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

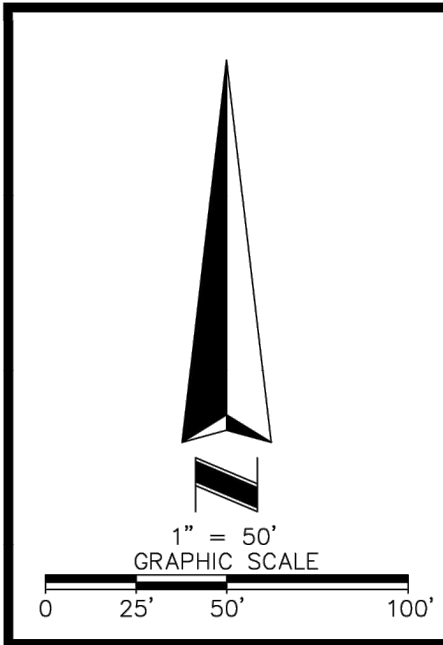
F.E.G. PROJECT NO.	
20-077	
SHEET NO.	
C-2	
SHEET 2	OF 11

LEGEND AND ABBREVIATIONS

	CONCRETE SURFACE		UTILITY POLE
(C)	CALCULATED DATA		GUY ANCHOR
CW	CONCRETE WALK		ELECTRIC METER
EP	EDGE OF PAVEMENT		CANITARY VALVE
FTE	FINISHED FLOOR ELEVATION		FIRE HYDRANT
LB	LICENSED BUSINESS		WATER VALVE
ORB	OFFICIAL RECORDS BOOK		WELL
PB	PLAT BOOK		RECLAIM WATER VALVE
PG	PAGE(S)		RECLAIM WATER METER
PSM	PROFESSIONAL SURVEYOR		TELEPHONE PEDESTAL
	AND MARKER		CABLE TV PEDESTAL
WF	WOOD FENCE		GAS UTILITY MARKER
			MAIL BOX
			BENCHMARK

○ RECOVERED MONUMENT AS NOTED

— CHU — OVERHEAD UTILITY LINE
 — — — CENTERLINE
 — — — RIGHT-OF-WAY LINE



SHEET 1
OF 1

I HEREBY CERTIFY THAT THIS SURVEY, SUBJECT TO THE SURVEYOR'S NOTES CONTAINED HEREON, MEETS THE APPLICABLE "STANDARDS OF PRACTICE" AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

Digitally signed by E. Glenn Turner
DN: cn=E. Glenn Turner, o=Professional Surveying & Mapping,
email=gturner@easysurvey.com, c=United States of America

 FOR THE RECORD, FILED WITH THE
PLAT

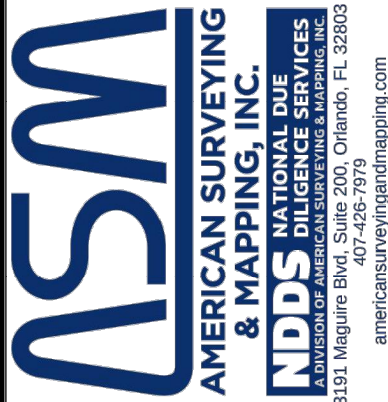
E. GLENN TURNER PSM #5643 DATE _____

DATE	REVISIONS	TECH
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BOUNDARY & TOPOGRAPHIC SURVEY OF NORTHWEST CHURCH

1567 PLYMOUTH SORRENTO ROAD
SECTION 31, TOWNSHIP 20 SOUTH, RANGE 28 EAST

ORANGE COUNTY



JOB NO.: 210240
SCALE: 1"= 50'
FIELD DATE: 3/4/2021
FIELD BY: JW
DRAWN BY: JLS
APPROVED BY: EGT
DRAWING FILE # 210240 - 1567 PLYMOUTH SORRENTO RD BNDY-TOPO.DWG

GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL WORK IN THIS SET OF DRAWINGS.
2. 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.
3. THE SPECIFICATIONS, NOTES, AND PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES OF THE CONSTRUCTION BUT DO NOT PURPORT TO COVER ALL DETAILS OF DESIGN AND CONSTRUCTION. HOWEVER, THE CONTRACTOR SHALL FURNISH & INSTALL THE WORK IN ALL DETAILS AND READY FOR OPERATION.
4. ALL EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED, TESTED, AND OPERATED IN STRICT ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S WRITTEN INSTRUCTIONS.
5. ALL WORK SHALL BE ACCOMPLISHED TO THE HIGHEST QUALITY CRAFTSMANSHIP STANDARDS AS APPROVED BY THE ENGINEER.
6. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS.
7. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE BIDDING.
8. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM SITE CLEAN-UP OPERATIONS FOR REMOVAL OF ALL TRASH, DEBRIS, EXCESS MATERIAL, AND EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESENT THE PROJECT SITE CLEAN AND IN GOOD ORDER AT THE TIME OF FINAL ACCEPTANCE.
9. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS, AND SPECIFICATIONS OF CITY OF APOPKA FOR SITE IMPROVEMENT IN THE ABSENCE OF A PARTICULAR REQUIREMENT.
10. FLORIDA LAW (F.S. 556) UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT MANDATES THAT EXCAVATORS/ CONTRACTORS SHALL CONTACT SUNSHINE 811 (PKA: SUNSHINE STATE ONE-CALL OF FLORIDA) BY CALLING 800-432-4470 OR 811 AT LEAST 2 FULL BUSINESS DAYS PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION TO ALLOW MEMBER OPERATORS AN OPPORTUNITY TO IDENTIFY AND MARK THEIR UNDERGROUND FACILITIES AND APPROPRIATELY RESPOND TO THE POSITIVE RESPONSE SYSTEM.
11. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV COMPANIES.
12. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON, OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING. 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 FOR REVIEW BY THE ENGINEER AND OWNER.
13. THE CONTRACTOR SHALL FURNISH OWNER WITH ACCURATE RECORD DRAWINGS PREPARED BY A LICENSED PROFESSIONAL SURVEYOR SHOWING AS-CONSTRUCTED HORIZONTAL AND VERTICAL DIMENSIONING OF THE WORK. THE SUBMITTAL COPY OF THE RECORD DRAWINGS WILL NOT BE RETURNED. THE RECORD DRAWING OR A REPRODUCIBLE COPY PREPARED BY THE ENGINEER SHALL BE CERTIFIED BY THE CONTRACTOR AS CORRECT. 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, DRAINAGE, WATER, AND SEWER NOTES.
14. ALL PRIVATE AND PUBLIC PROPERTIES AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
15. THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS IN PREPARING THE SITE FOR CONSTRUCTION; THIS INCLUDES REMOVAL OF ANY EXISTING ORGANIC SOILS, DELETERIOUS MATERIAL, VEGETATION, AND/OR DEBRIS FROM WITHIN THE LIMITS OF CONSTRUCTION AS IDENTIFIED BY THE GEOTECHNICAL ENGINEER; PROOFROLLING OF THE NATURAL SOILS WHERE REQUIRED; AND OTHER GENERAL SITE PREPARATION REQUIREMENTS. SPECIFIC PROOFROLLING COMPACTION REQUIREMENTS SHOULD BE CONSISTENT WITH THE APPLICABLE DESIGN DOCUMENTS AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF THERE IS A CONFLICT BETWEEN THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND THE DESIGN DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

GEOMETRY NOTES:

1. THESE PLANS ARE BASED ON A SURVEY PREPARED FOR THE OWNER BY AMERICAN SURVEYING & MAPPING, INC., DATED 03/04/2021, AND UPDATED ON 10/24/2022.
2. REFER TO SHEET C-2 FOR REFERENCED BENCHMARK.
3. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE & CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL & VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY APPARENT DISCREPANCIES ARE FOUND.
4. ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE BUILDING GEOMETRY SHOWN WITH THAT IN THE FINAL ARCHITECTURAL DRAWINGS, PRIOR TO STAKE-OUT, & SHALL NOTIFY OWNER & ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

MARKING, STRIPING, & SIGNAGE NOTES:

1. ALL MARKINGS MUST COMPLY WITH THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE CITY OF APOPKA LAND DEVELOPMENT CODE. PARKING SPACES MAY BE F.D.O.T. RATED PAINT. ALL OTHER MARKINGS MUST BE THERMOPLASTIC.
2. HANDICAP PARKING SPACES SHALL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FLORIDA STATUTE 316, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND OTHER APPLICABLE STANDARDS. REFER TO F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS INDEX 17355 FOR HANDICAP SYMBOL.
3. HANDICAP SIGN SHALL BE F.D.O.T. SPECIFICATION FTP 25.

PAVING, GRADING, & DRAINAGE NOTES:

1. ALL CONSTRUCTION, INCLUDING SIDEWALKS, SHALL BE IN ACCORDANCE WITH CITY OF APOPKA CONSTRUCTION SPECIFICATIONS AND OTHER GENERAL AND SPECIAL SPECIFICATIONS, AND THE 2018 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, UNLESS STATED OTHERWISE IN THE SPECIFICATIONS OR ON THE PLANS.
2. SUBSURFACE INFORMATION PROVIDED WITH THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.
3. 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 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 THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
4. ALL FILL MATERIAL IN GENERAL IMPROVEMENT AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180. SPECIFIC SITE PREPARATION METHODS, TYPE OF FILL TO BE USED FOR PARKING AND BUILDING AREAS, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS (SEE GEOTECHNICAL REPORT PREPARED BY TERRACON PROJECT NO. H122528J) REFER TO STRUCTURAL, ARCHITECTURAL, AND GEOTECHNICAL DOCUMENTS FOR ANY WORK RELATED TO BUILDINGS AND OTHER VERTICAL ELEMENTS FOR SPECIFIC SITE IMPROVEMENT AND FILL REQUIREMENTS. THIS PLAN ONLY COVERS SITE RELATED IMPROVEMENTS AND INFRASTRUCTURE. REFER TO PAVEMENT SECTION DETAILS FOR MATERIAL AND COMPACTION REQUIREMENTS OF PAVEMENT SUBGRADE.
5. ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL, CABLE TV, AND TELEPHONE SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
6. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PROBLEMS REQUIRING DEVIATION FROM THESE PLANS AND SPECIFICATIONS.
7. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OF ALL MAJOR ITEMS PROPOSED FOR THIS PROJECT TO THE ENGINEER PRIOR TO ORDERING ANY OF THE EQUIPMENT. UPON THE CONTRACTOR'S RECEIPT OF APPROVED SHOP DRAWINGS FROM THE ENGINEER, THE CONTRACTOR MAY PROCEED WITH THE WORK.
8. ALL DISTURBED AREAS MUST BE SODDED UNLESS OTHERWISE NOTED ON THE PLANS. ALL SODDING MUST BE DONE IN ACCORDANCE THE 2018 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
9. PROVIDE HANDICAP ACCESS WHERE SIDEWALKS MEET CURBS.

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH CITY OF APOPKA SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES.
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. CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENTATION DURING CONSTRUCTION.
4. ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
5. PRIOR TO LAND CLEARING THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF CITY OF APOPKA.
6. THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.

LEGEND

SITE	
	POLE SIGN
	SMALL PYLON SIGN
	LARGE PYLON SIGN
	RIGHT TURN DIRECTIONAL ARROW
	STRAIGHT DIRECTIONAL ARROW
	LEFT TURN DIRECTIONAL ARROW
	STRAIGHT AND LEFT TURN DIRECTIONAL ARROW
	STRAIGHT AND RIGHT TURN DIRECTIONAL ARROW
	HANDICAP PARKING SYMBOL
	F.D.O.T. TYPE "D" CURB
	F.D.O.T. TYPE "F" CURB AND GUTTER
	GATE VALVE BOX, WV= WATER, FV= FIRE, IV= IRRIGATION, & SSV= SANITARY SEWER
	CHAINLINK FENCE
	DECORATIVE WOOD OR ALUMINUM FENCE
	BARB WIRE FENCE
	HANDRAIL
	SCREEN/RETAINING WALL, AS NOTED.
	BIKE RACK
	PARKING COUNT SYMBOL PER ROW
	ROAD CENTERLINE SYMBOL

GRADING & DRAINAGE

	F.D.O.T. TYPE "C" DRAINAGE INLET
	F.D.O.T. TYPE "D" DRAINAGE INLET
	F.D.O.T. TYPE "E" DRAINAGE INLET
	F.D.O.T. TYPE "1" DRAINAGE INLET
	F.D.O.T. TYPE "2" DRAINAGE INLET
	F.D.O.T. TYPE "3" DRAINAGE INLET
	F.D.O.T. TYPE "4" DRAINAGE INLET
	F.D.O.T. TYPE "5" DRAINAGE INLET
	F.D.O.T. TYPE "6" DRAINAGE INLET
	STORM DRAINAGE MANHOLE
	MITERED END SECTION
	STORM DRAINAGE PIPE
	DRAINAGE FLOW DIRECTIONAL ARROW
	DRAINAGE STRUCTURE BUBBLE
	GRADE ELEVATION
	CONTOUR ELEVATION
	EROSION CONTROL SILT FENCE

UTILITY

	DCDA — DOUBLE CHECK DETECTOR ASSEMBLY
	DCVA — DOUBLE CHECK VALVE ASSEMBLY
	RPZ — REDUCED PRESSURE ZONE DEVICE
	DOMESTIC METER
	IRRIGATION METER
	GATE VALVE
	BLOW-OFF GATE VALVE
	REDUCER
	WET WELL
	11.25' PIPE BEND
	22.5' PIPE BEND
	30' PIPE BEND
	45' PIPE BEND
	60' PIPE BEND
	90' PIPE BEND
	TEE
	CROSS
	FIRE HYDRANT ASSEMBLY W/ UNOBSTRUCTED AREA CLEARANCES AS REQUIRED BY FIRE MARSHALL
	FIRE DEPARTMENT CONNECTION
	CLEAN OUT
	LIFT STATION
	GREASE TRAP
	SITE LIGHTING
	DECORATIVE SITE LIGHTING
	UTILITY POLE

DATE	REVISIONS	BY	CHECKED		

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA



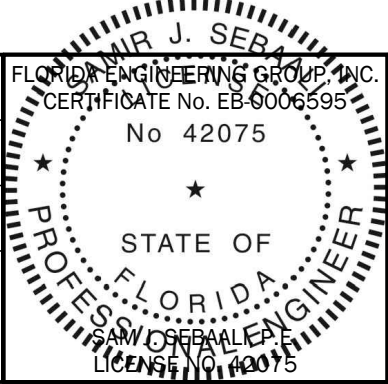
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Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

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LEGEND NOTES AND SPECIFICATIONS

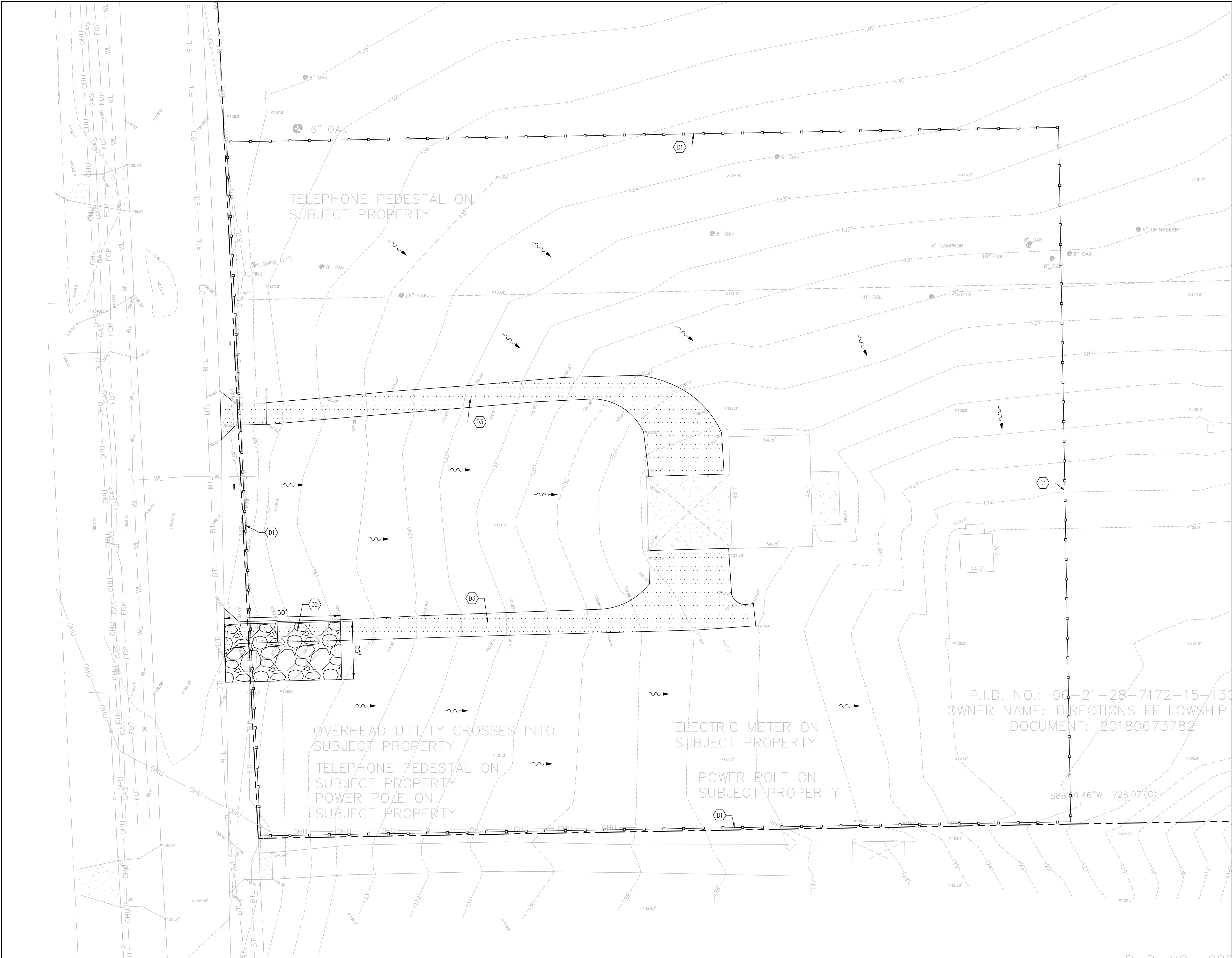
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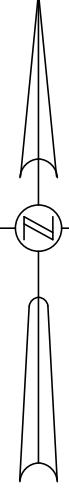
PROJECT NO. 33555.0000	SCALE NOTED
DATE MAY 11, 2026	SHEET NO. C-3
SHEET 3	OF 11



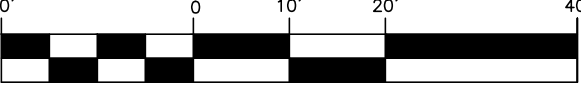
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GRAPHIC SCALE



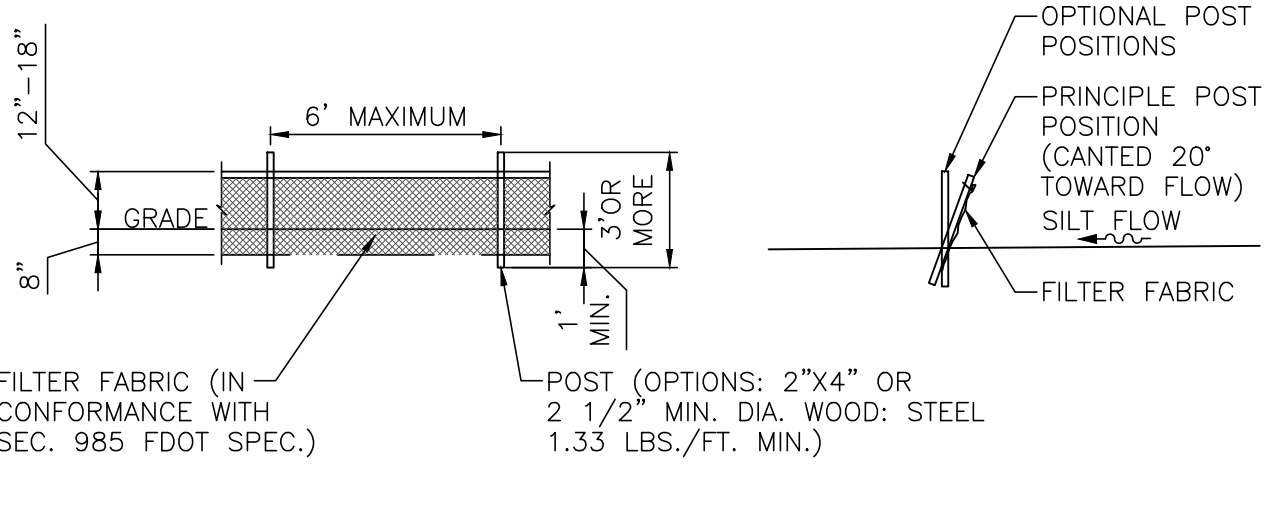
1"=20'

DEMOLITION KEYNOTES

D1. F.D.O.T. TYPE "III" SILT FENCE EROSION CONTROL BARRIER.

D2. 25'x50' GRAVEL CONSTRUCTION ENTRANCE.

D3. REMOVE EXISTING ASPHALT.



1
C-4A

TYPE III SILT FENCE

SCALE 1" = 5'

EROSION-CONTROL-SILT-DET-ERO-5.dwg

DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA



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SITE DEMOLITION AND STORMWATER POLLUTION PREVENTION PLAN			
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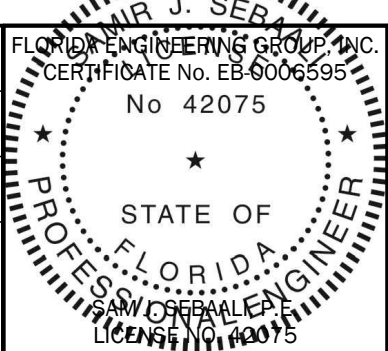
PROJECT NO.
33555.0000

SCALE
1"=20'

DATE
MAY 11, 2026

SHEET NO.
C-4A

SHEET 4 OF 11

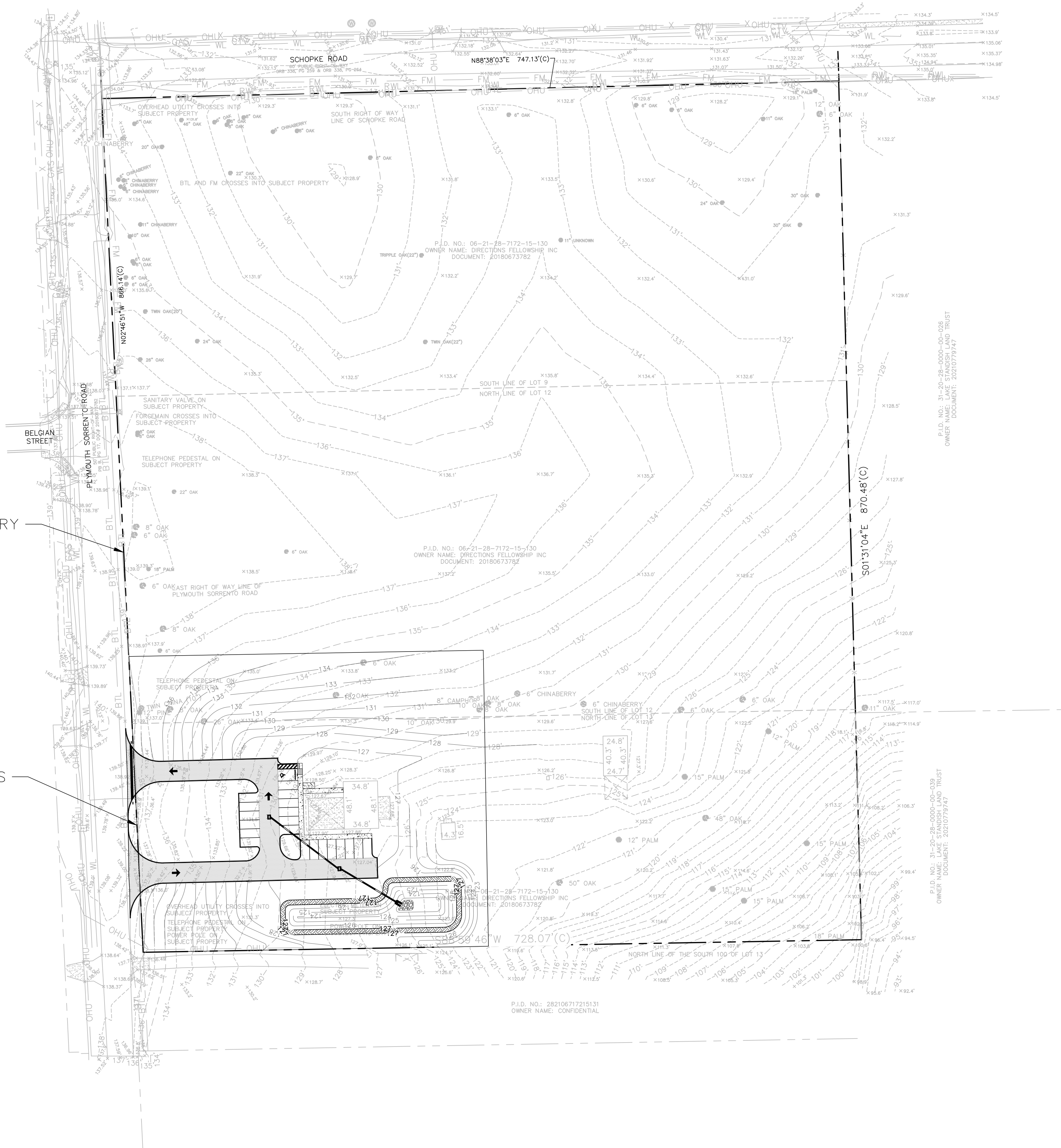
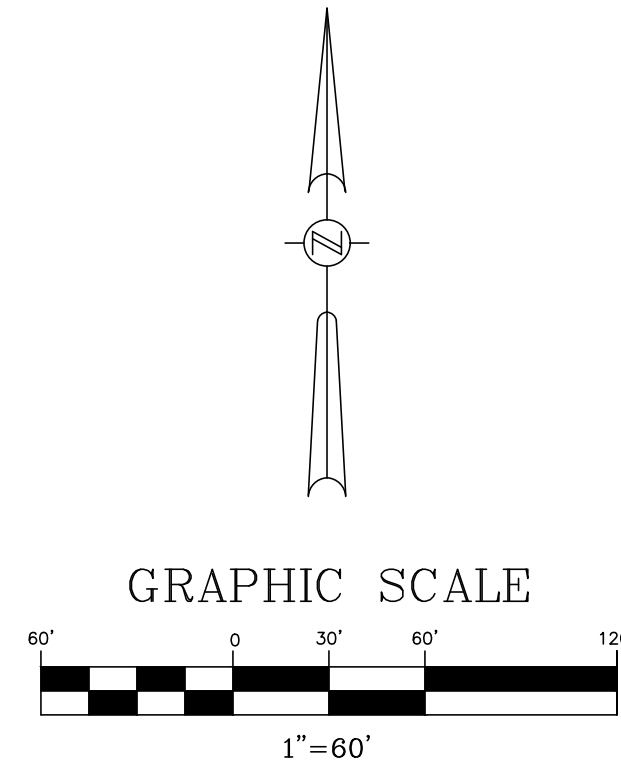


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PARCEL BOUNDARY

PROJECT LIMITS
2.44 AC.



CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA

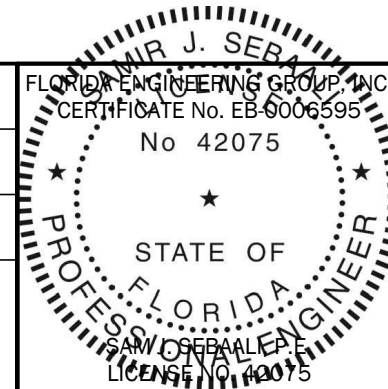


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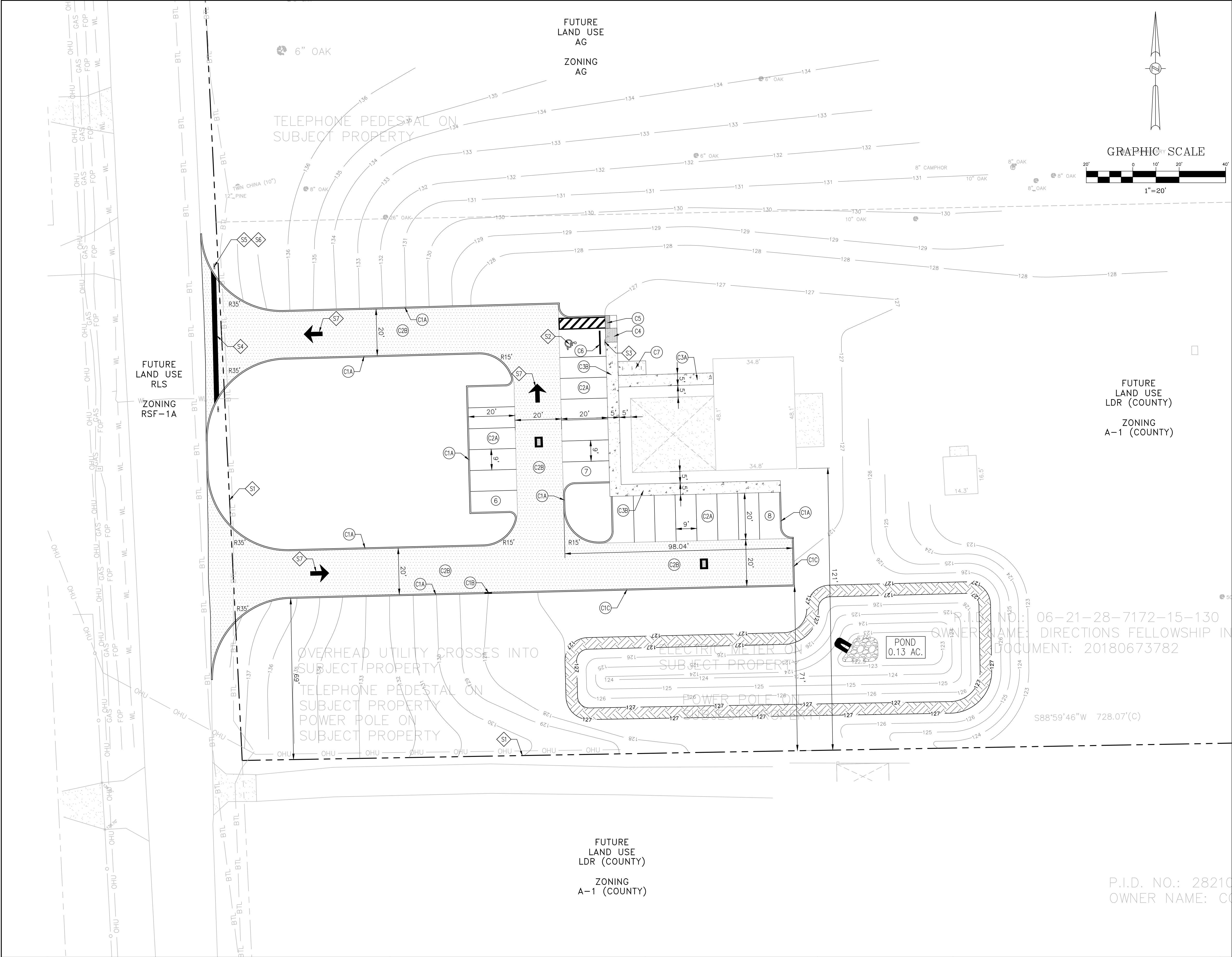
OVERALL SITE PLAN

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SJS	JT	SJS	SJS

PROJECT NO.
33555.0000
SCALE
1"=60'
DATE
MAY 11, 2026
SHEET NO.
C-5
SHEET 6 OF 11



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SITE DATA
PROPERTY LOCATION: 1567 PLYMOUTH SORRENTO RD, APOPKA, FL 32712
JURISDICTION: CITY OF APOPKA

PROPERTY FUTURE LAND USE DESIGNATION: RL
ZONING: RSF-1B
EXISTING USE: SINGLE FAMILY RESIDENCE
PROPOSED USE: CHURCH
PROJECT AREA: 14.70 ACRES

EXISTING GROSS FLOOR AREA: 4,333 S.F.
EXISTING FLOOR AREA RATIO: 0.007

BUILDING SETBACKS (REQUIRED)
FRONT (WEST)(PLYMOUTH SORRENTO RD) 25'
CORNER SIDE(NORTH)(SCHOPKE RD) 25'
SIDE (SOUTH) 10'
REAR (EAST) 25'

BUILDING SETBACKS (EXISTING)
FRONT (WEST)(PLYMOUTH SORRENTO RD) 175'
CORNER SIDE(NORTH)(SCHOPKE RD) 698'
SIDE (SOUTH) 121'
REAR (EAST) 474'

MAXIMUM ALLOWABLE BUILDING HEIGHT 35'
BUILDING HEIGHT PROPOSED <35'

BUFFER YARDS		REQUIRED BUFFER	PROPOSED BUFFER
CHURCH	FRONT (WEST)	6'-25'	104'
CHURCH	SIDE (NORTH)	B-15'	672'
CHURCH	SIDE (SOUTH)	B-25'	69'
CHURCH	REAR (EAST)	B-15'	232'

PARKING	
PARKING REQUIRED	100 SEATSx(1 SPACE PER 5 SEATS)
CHURCH	20 SPACES
TOTAL PARKING REQUIRED	20 SPACES
SPACES REQUIRED TO BE RESERVED FOR HANDICAP	1 SPACES

PARKING PROVIDED	
STANDARD PARKING SPACES	20 SPACES
HANDICAP PARKING	1 SPACES
TOTAL PARKING PROVIDED	21 SPACES
BICYCLE PARKING PROVIDED	6 SPACES

SITE AREA CALCULATIONS	
BUILDING FOOTPRINT	4,375 S.F.
PAVING	14,323 S.F.
SIDEWALK	1,008 S.F.
IMPERVIOUS AREA	19,706 S.F.
PERVIOUS AREA	620,190 S.F.
TOTAL SITE AREA	639,896 S.F.

IMPERVIOUS COVER PROPOSED 3.08 %

FLOOD ZONE
FLOOD ZONE "X" PER FEMA F.I.R.M. PANEL 12085C0110F DATED: 09/25/2009.

SOILS
47 - TAVARES-MILLHOPPER COMPLEX, 0 TO 5 PERCENT SLOPES - HSG "A"

WETLAND STATEMENT
THERE ARE NO JURISDICTIONAL WETLANDS WITHIN THE PROJECT SITE.

LIGHTING NOTE
LIGHTING SHALL COMPLY WITH CITY OF APOPKA LAND DEVELOPMENT CODE SECTION 5.6.

SIGNAGE NOTE
SIGNAGE SHALL COMPLY WITH SECTION 5.10 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

- ◆ SITE STRIPING & SIGNAGE KEYNOTES**
- S1. PROPERTY BOUNDARY.
 - S2. HANDICAP PARKING STALL, TYPICAL.
 - S3. HANDICAP SIGN.
 - S4. 24" THERMOPLASTIC STOP BAR.
 - S5. R1-1 HIGH INTENSITY REFLECTORIZED "STOP" SIGN.
 - S6. "DO NOT ENTER" SIGN.
 - S7. DIRECTIONAL ARROWS PER LATEST F.D.O.T. STANDARD PLANS INDEX 711-001, TYPICAL.

- SITE CONSTRUCTION KEYNOTES**
- C1A. 6" HEAD CURB, TYPICAL.
 - C1B. 3' TRANSITION CURB.
 - C1C. 6" RIBBON CURB.
 - C2A. ASPHALT PAVEMENT. LIGHT-DUTY IN PARKING SPACES.
 - C2B. ASPHALT PAVEMENT. HEAVY-DUTY IN DRIVE AISLES.
 - C3A. CONCRETE SIDEWALK, TYPICAL.
 - C3B. MONOLITHIC CURB & SIDEWALK, TYPICAL.
 - C4. HANDICAP ACCESS RAMP WITH A MAXIMUM 12:1 SLOPE, TYPICAL.
 - C5. DETECTABLE WARNING SURFACE PER FLORIDA BUILDING CODE 2004.
 - C6. WHEELSTOP PER LATEST F.D.O.T. STANDARD PLANS INDEX 520-001, TYPICAL.
 - C7. BICYCLE RACK.

DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA

FLORIDA ENGINEERING GROUP
now part of
THOMAS & HUTTON

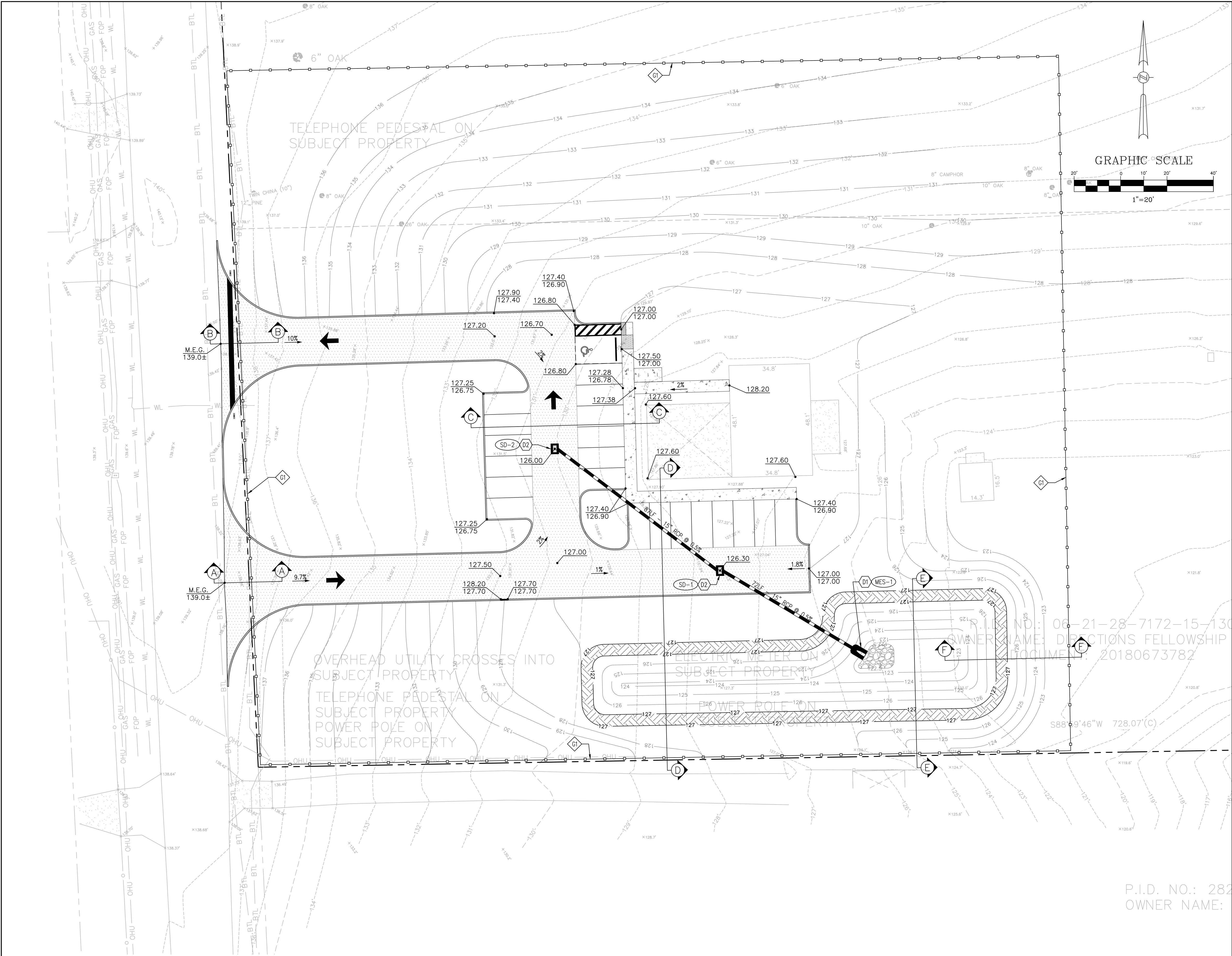
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SITE GEOMETRY PLAN

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000	SCALE 1"=20'	DATE MAY 11, 2026	SHEET NO. C-6	SHEET 7 OF 11
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SITE DRAINAGE KEYNOTES

- D1. F.D.O.T. MITERED END SECTION PER LATEST F.D.O.T. STANDARD PLANS INDEX 430-021, TYPICAL.
D2. F.D.O.T. TYPE "C" DITCH BOTTOM INLET PER LATEST F.D.O.T. STANDARD PLANS INDEX 425-052, TYPICAL.

GRADING KEYNOTES

- G1. F.D.O.T. TYPE "III" SILT FENCE EROSION CONTROL BARRIER, TYPICAL.

DRAINAGE STRUCTURE LEGEND

MES-1	SD-1	SD-2
4:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX 430-021 INV. ELEV. 122.50	TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 126.00 INV. ELEV. 122.86 SE	TYPE "C" INLET PER F.D.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 126.00 INV. ELEV. 123.30 SE

NOTE:
ALL DISTURBED AREAS SHALL BE SODDED.

ACCESSIBILITY NOTE:
ACCESSIBLE RAMPS WITH DETECTABLE WARNING SHALL BE PROVIDED AT ALL SIDEWALKS CROSSING ROADWAYS OR DRIVEWAYS. A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE SHALL BE PROVIDED FOR ALL CROSSWALKS.

EROSION CONTROL NOTE:
PROVIDE AND MAINTAIN SYNTHETIC SEDIMENT BARRIERS AT ALL INLETS DURING CONSTRUCTION. THIS IS REQUIRED IN ADDITION TO THE REQUIREMENTS SHOWN ON THE SWPPP.

DATE	REVISIONS	BY	CHECKED

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA

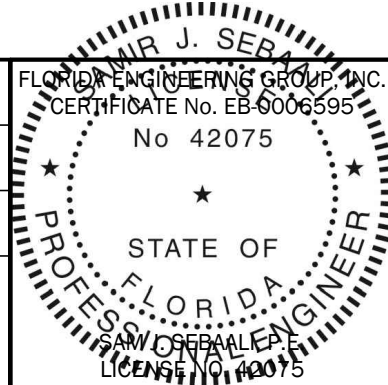


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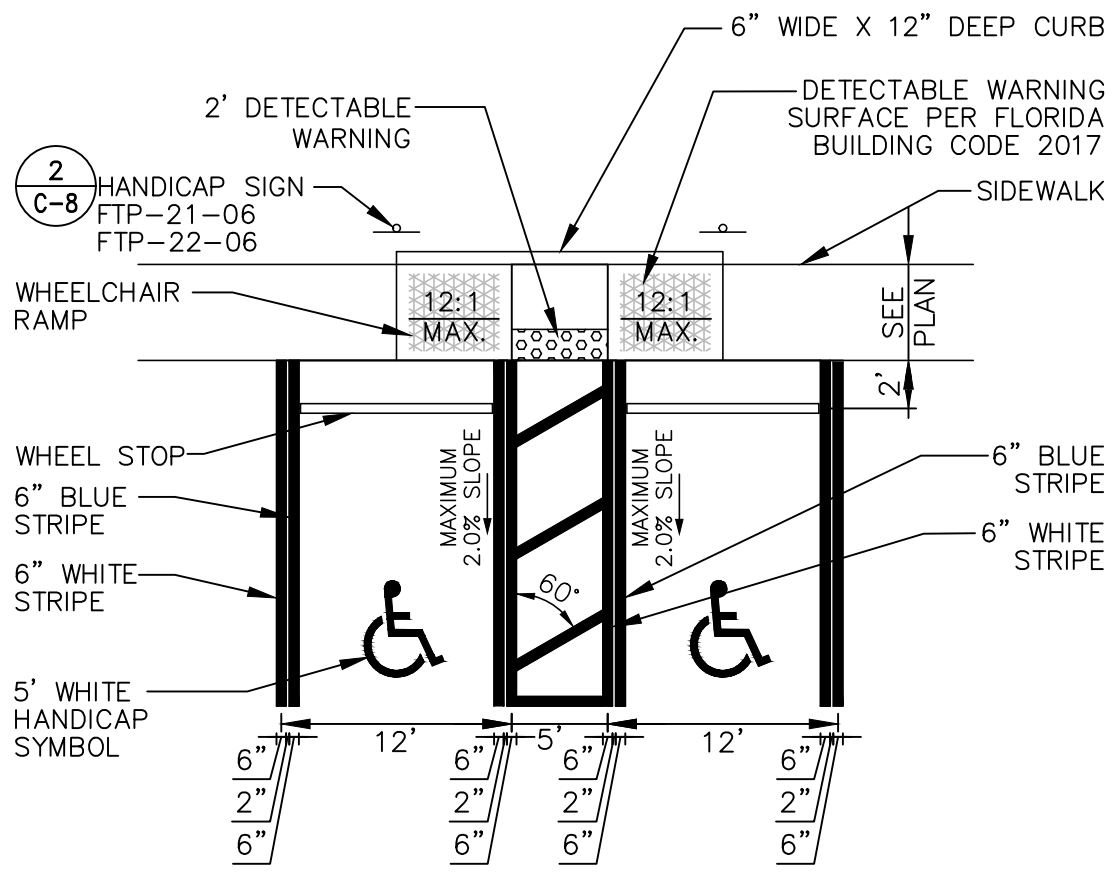
SITE PAVING GRADING AND DRAINAGE PLAN

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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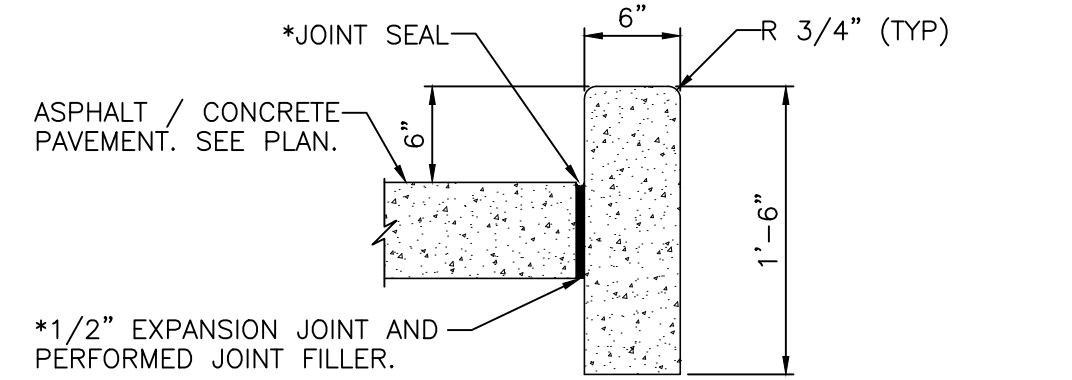
PROJECT NO. 33555.0000
SCALE 1"=20'
DATE MAY 11, 2026
SHEET NO. C-7
SHEET 8 OF 11



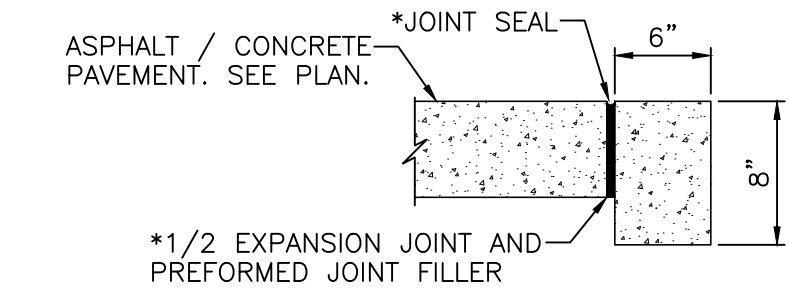
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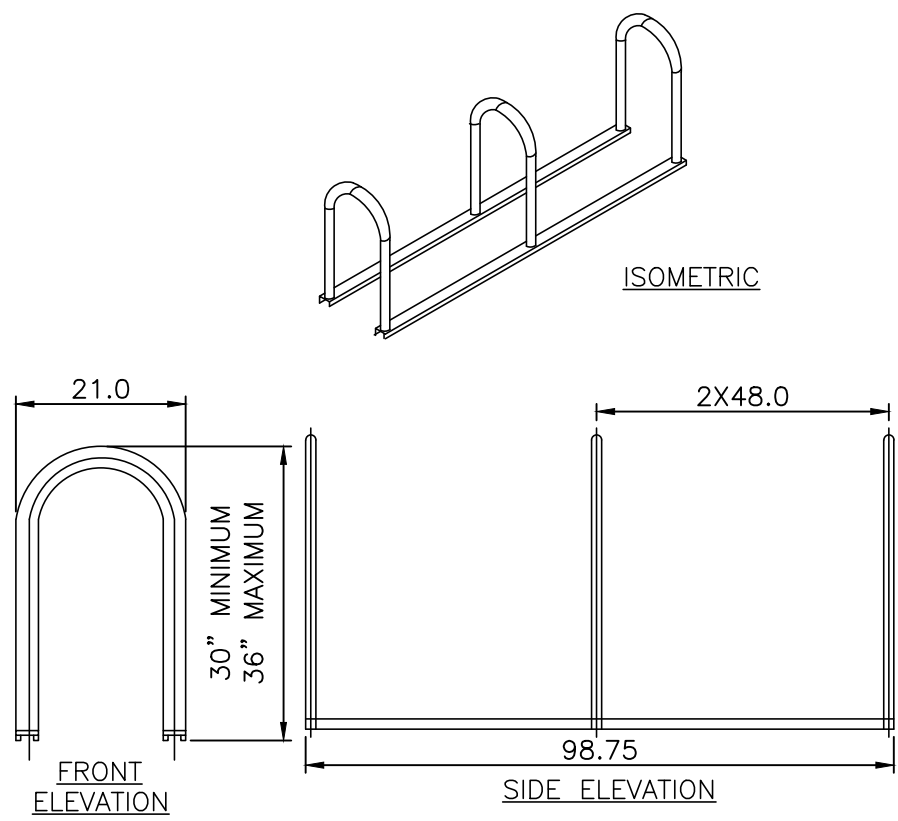
1
C-8 HANDICAP PARKING DETAIL
SCALE 1" = 10'



7
C-8 HEAD CURB
SCALE 1" = 1'

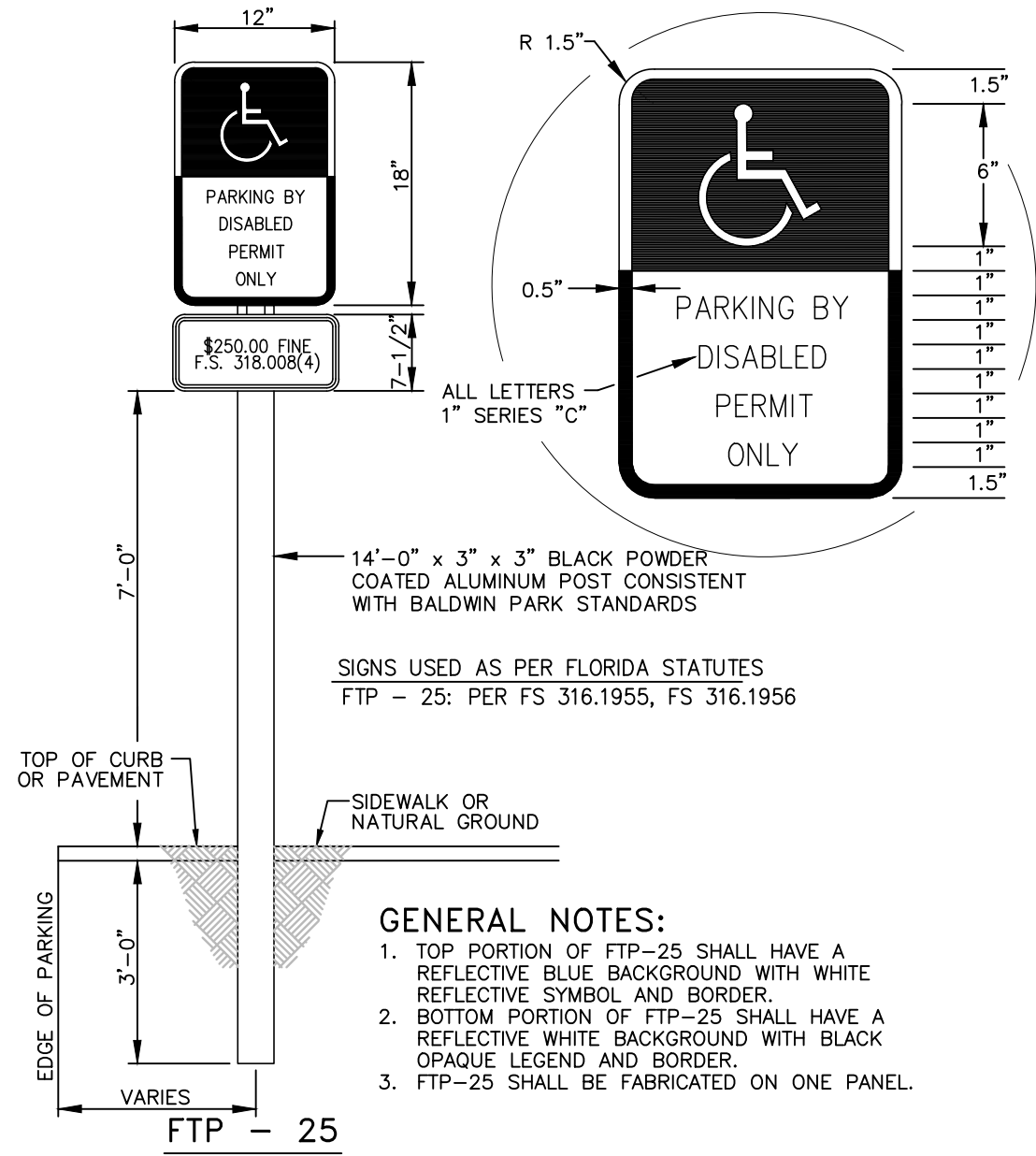


8
C-8 6"X8" RIBBON CURB
SCALE 1" = 1'

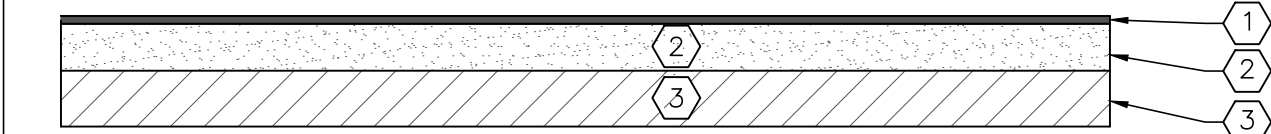


- NOTES:
1. BICYCLE RACKS SHALL HAVE A MINIMUM TUBE DIAMETER OF 1.9 INCHES AND BE POWDER COATED OR COATED WITH ANOTHER WEATHER PROOF SURFACE AS MAY BE APPROVED BY THE ZONING MANAGER.
 2. BICYCLE RACKS SHALL BE A MAXIMUM HEIGHT OF 36 INCHES, A MINIMUM OF 30 INCHES AN CENTER BETWEEN HORIZONTAL ROWS, AND A MINIMUM OF 24 INCHES FROM ANY BUILDING WALL.

13
C-8 INVERTED U BIKE RACK



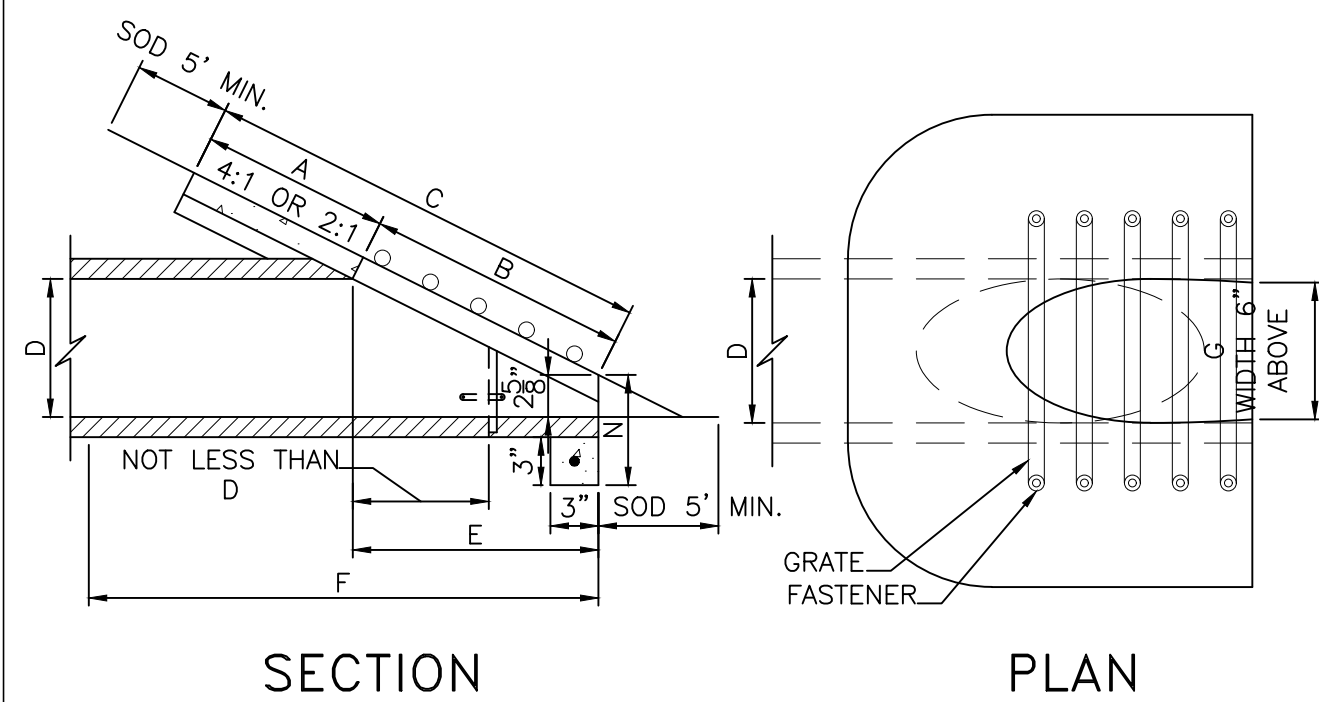
2
C-8 HANDICAP SIGN DETAIL
SCALE 1" = 1'



#KEYNOTES

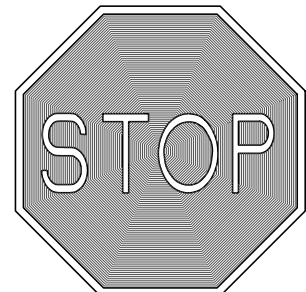
1. 1-1/2" MINIMUM, TYPE SP-12.5 ASPHALTIC CONCRETE WEARING SURFACE COMPACTED TO 95% OF LAB DENSITY.
 2. 6" CRUSHED CONCRETE BASE COURSE WITH MINIMUM LBR OF 120, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, AASHTO T-180) AND GRADATION TO MEET F.D.O.T. STANDARD SPECIFICATIONS OF ROAD & BRIDGE CONSTRUCTION.
 3. 12" SUBGRADE TO A MINIMUM FBV OF 75 PSI, ENTIRE 12" DEPTH TO BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).
- NOTE:
THE ASPHALTIC CONCRETE SHALL BE PLACED WITHIN THE ALLOWABLE LIFT THICKNESS FOR LIME TYPE SP MIXES PER THE LATEST EDITION OF F.D.O.T. STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

9
C-8 ASPHALT PAVING LIGHT DUTY SECTION
NOT TO SCALE



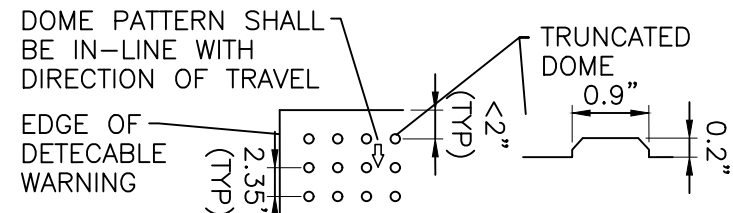
- NOTES
1. LETTERS REFER TO 2018 F.D.O.T. STANDARDS PLANS "DIMENSIONS AND QUANTITIES CHART" INDEX 430-021.
 2. REFER TO 2018 F.D.O.T. STANDARD PLANS INDEX 430-021 FOR ALL DESIGN CRITERIA, TYPICAL.
 3. PLACEMENT OF ENTRANCE BARRIERS SHALL BE ACCORDING TO 2018 F.D.O.T. STANDARD PLANS.

14
C-8 F.D.O.T. MITERED END SECTION
NOT TO SCALE



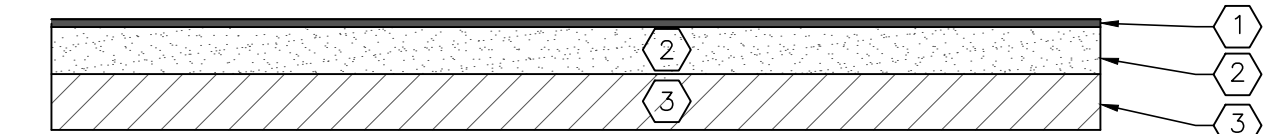
30" HIGH INTENSITY REFLECTORIZED MATERIAL REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION

3
C-8 R1-1 STOP SIGN DETAIL
NOT TO SCALE



- NOTES:
1. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 MM) FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE W/ U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBILITY DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
 2. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP & IN THE DIRECTION OF TRAVEL 24" FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE W/ U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBILITY DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.

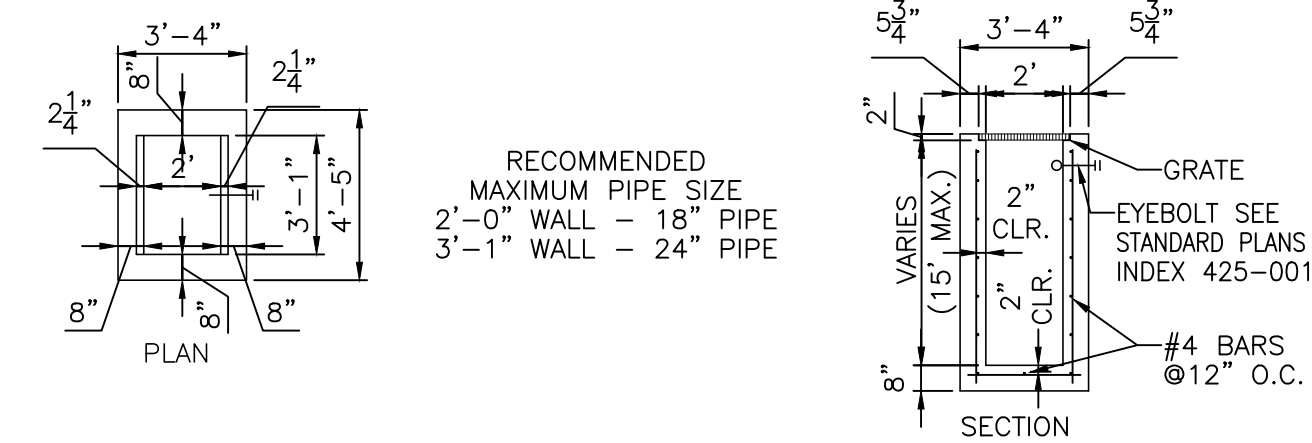
4
C-8 CURB RAMP DETECTABLE WARNING DETAIL
NOT TO SCALE



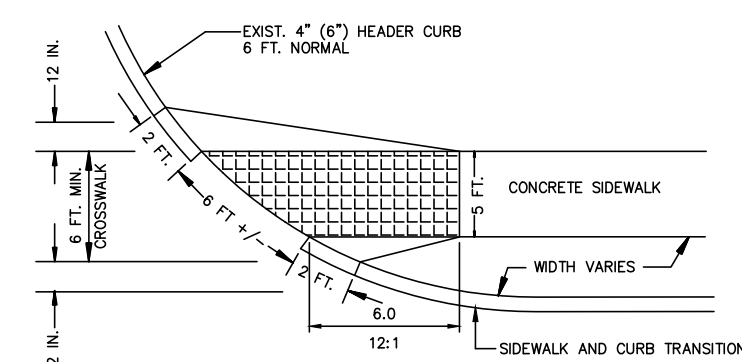
#KEYNOTES

1. 2" MINIMUM, TYPE SP-12.5 ASPHALTIC CONCRETE WEARING SURFACE COMPACTED TO 95% OF LAB DENSITY.
 2. 8" CRUSHED CONCRETE BASE COURSE WITH MINIMUM LBR OF 120, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, AASHTO T-180) AND GRADATION TO MEET F.D.O.T. STANDARD SPECIFICATIONS OF ROAD & BRIDGE CONSTRUCTION.
 3. 12" SUBGRADE TO A MINIMUM FBV OF 75 PSI, ENTIRE 12" DEPTH TO BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).
- NOTE:
THE ASPHALTIC CONCRETE SHALL BE PLACED WITHIN THE ALLOWABLE LIFT THICKNESS FOR LIME TYPE SP MIXES PER THE LATEST EDITION OF F.D.O.T. STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

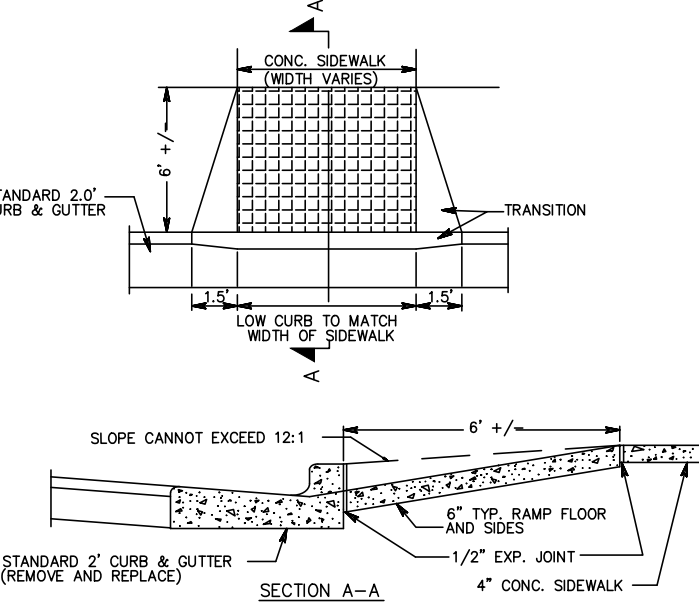
10
C-8 ASPHALT PAVING HEAVY DUTY SECTION
NOT TO SCALE



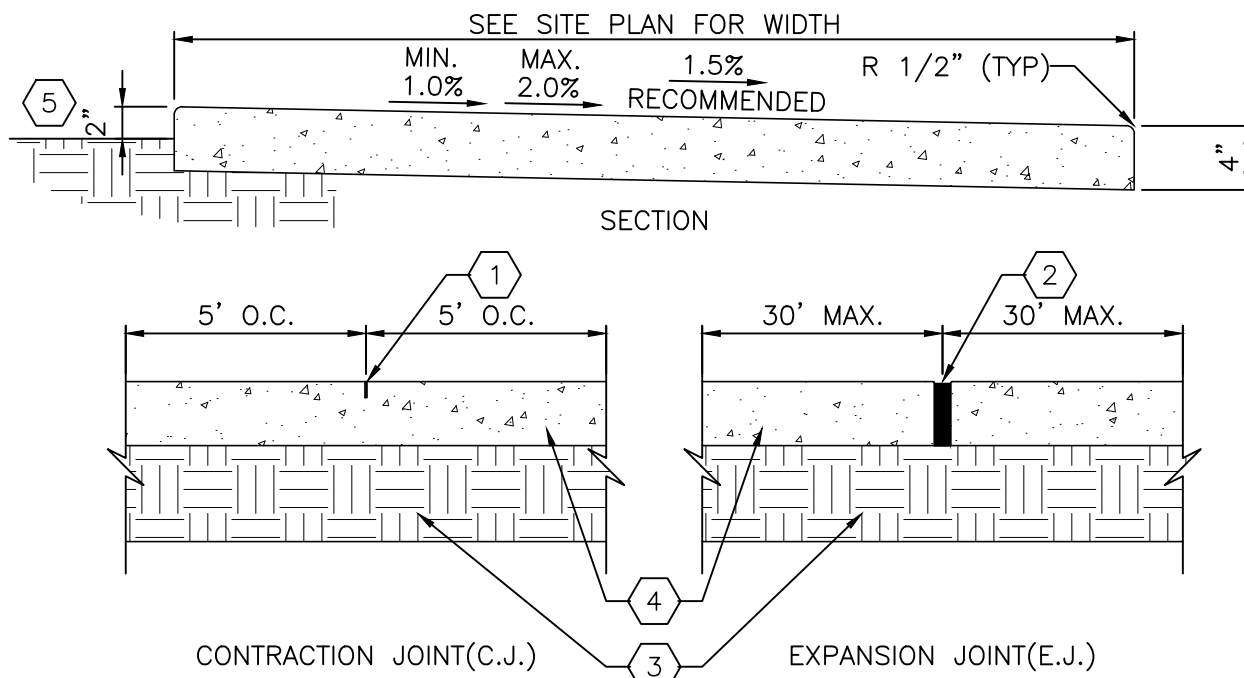
15
C-8 F.D.O.T. TYPE "C" INLET DETAIL
SCALE 1" = 5'



- NOTES:
1. ENTIRE EXISTING CURBING SECTION SHALL BE REMOVED AND REPEATED.
 2. LOW CURB AND TRANSITION MAY BE FORMED AT THE TIME OF CURB CONSTRUCTION.
 3. CONSTRUCT WITH CLASS A (3000 PSI) CONCRETE.
 4. REFER TO 2018 F.D.O.T. STANDARDS PLANS INDEX 522-002.

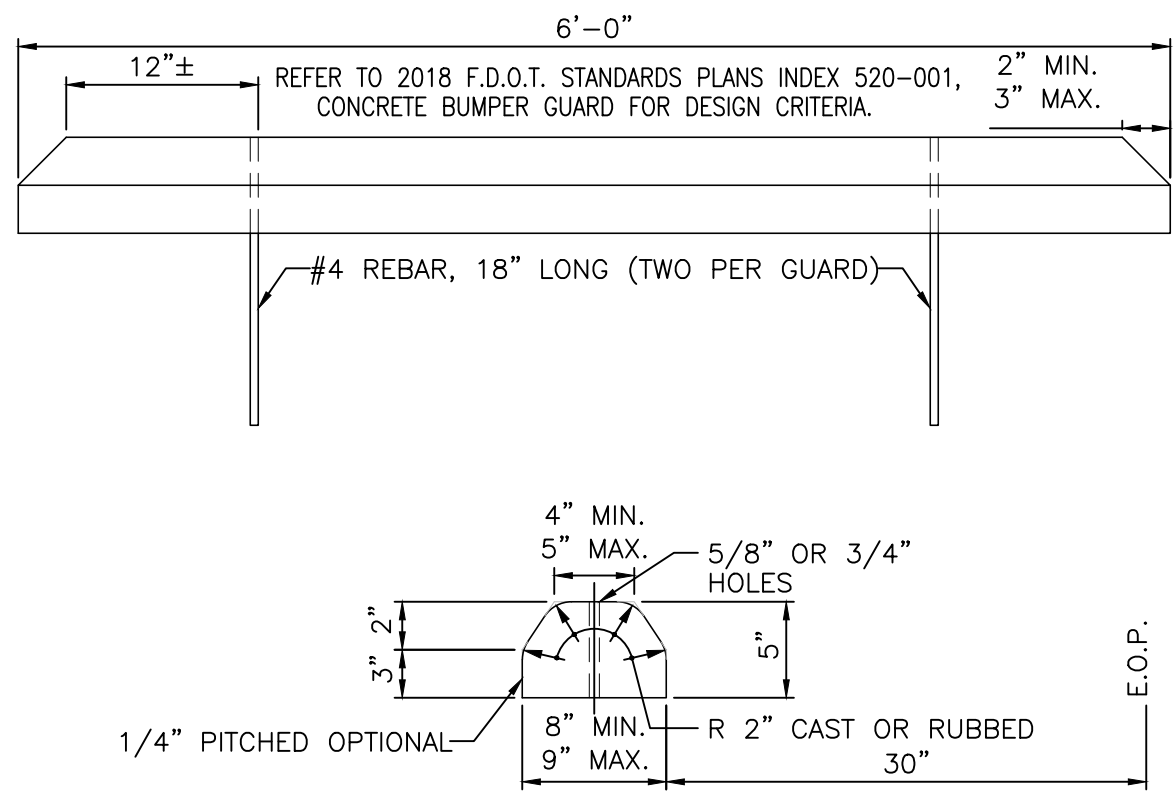


5
C-8 WHEELCHAIR RAMP-STRAIGHT
N.T.S.

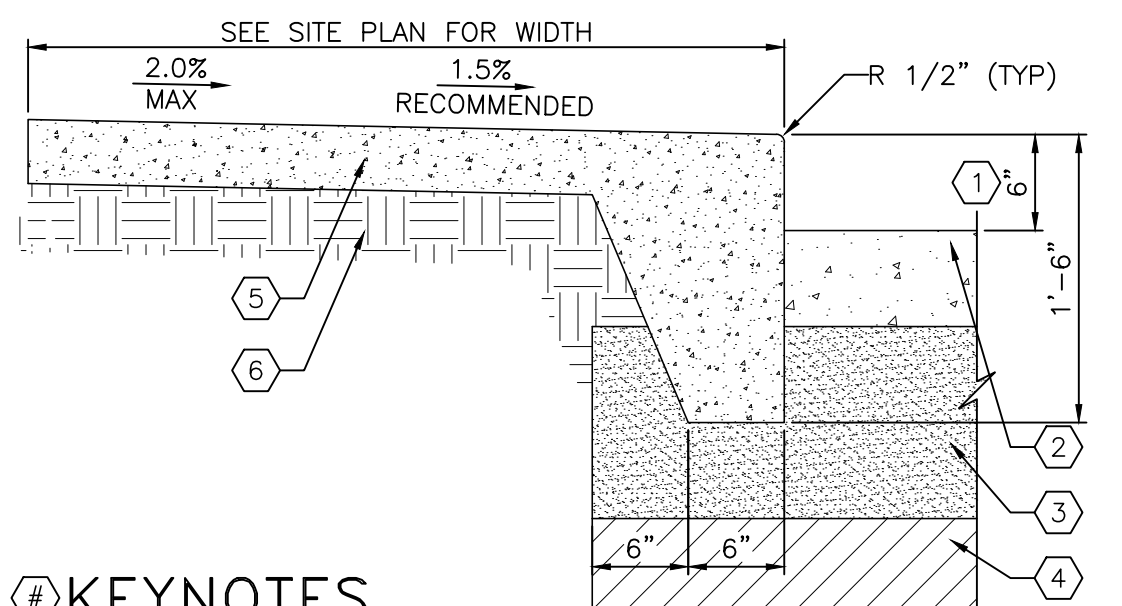


- #KEYNOTES
1. 1" DEEP 1/8"R TOOLED JOINT.
 2. PREMOLED EXPANSION JOINT FILLER STRIP & JOINT SEALER W/1/8"R TOOLED EDGES.
 3. 6" COMPACTED SUBGRADE
 4. 3000 P.S.I. CONC. W/FIBER MESH(TYP)
 5. FINISHED GRADE (TYP.)

11
C-8 CONCRETE SIDEWALK
SCALE 1" = 1'



6
C-8 WHEEL STOP DETAIL
SCALE 1" = 1'



- #KEYNOTES
1. MINIMUM HEIGHT OF CURB ABOVE PAVEMENT SHALL BE 6". REFER TO GRADING PLANS FOR ELEVATIONS.
 2. PAVEMENT WEARING SURFACE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 3. PAVEMENT BASE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 4. PAVEMENT SUBBASE. SEE PAVEMENT SECTION FOR DESIGN CRITERIA.
 5. 3000 PSI CONCRETE WITH FIBER MESH, TYPICAL.
 6. 6" COMPACTED SUB-GRADE TO @ LEAST 95% OF THE MODIFIED PROTOR MAXIMUM DRY DENSITY VALUE (ASTM D-1557, AASHTO T-180).

12
C-8 SIDEWALK WITH MONOLITHIC CURB
SCALE 1" = 1'

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA



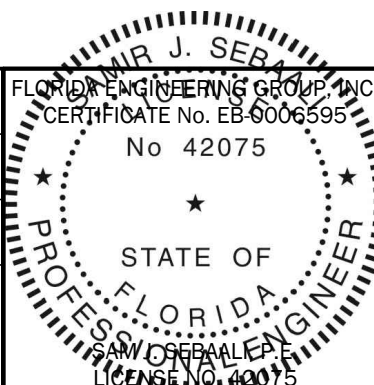
5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

www.thomasandhutton.com

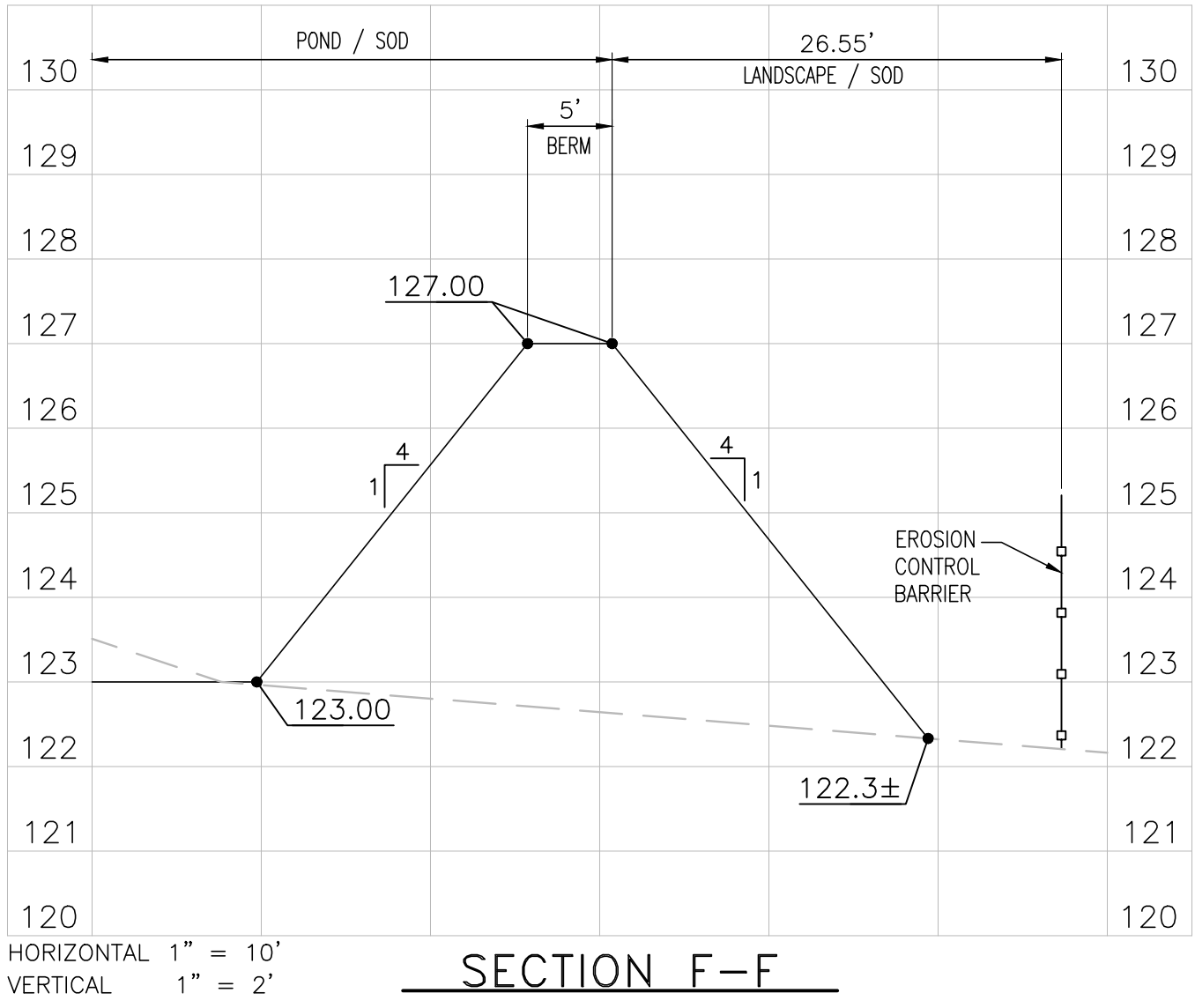
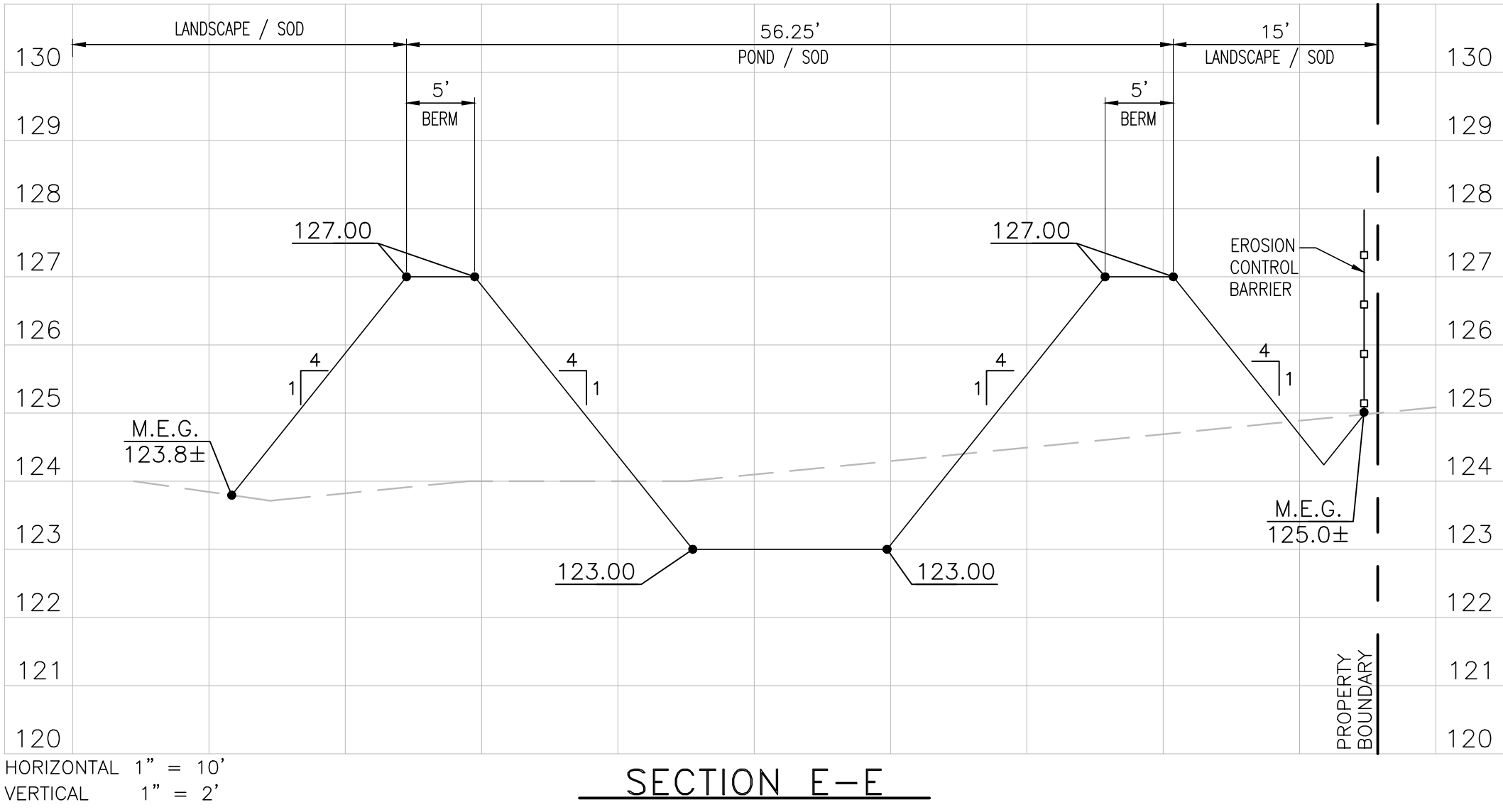
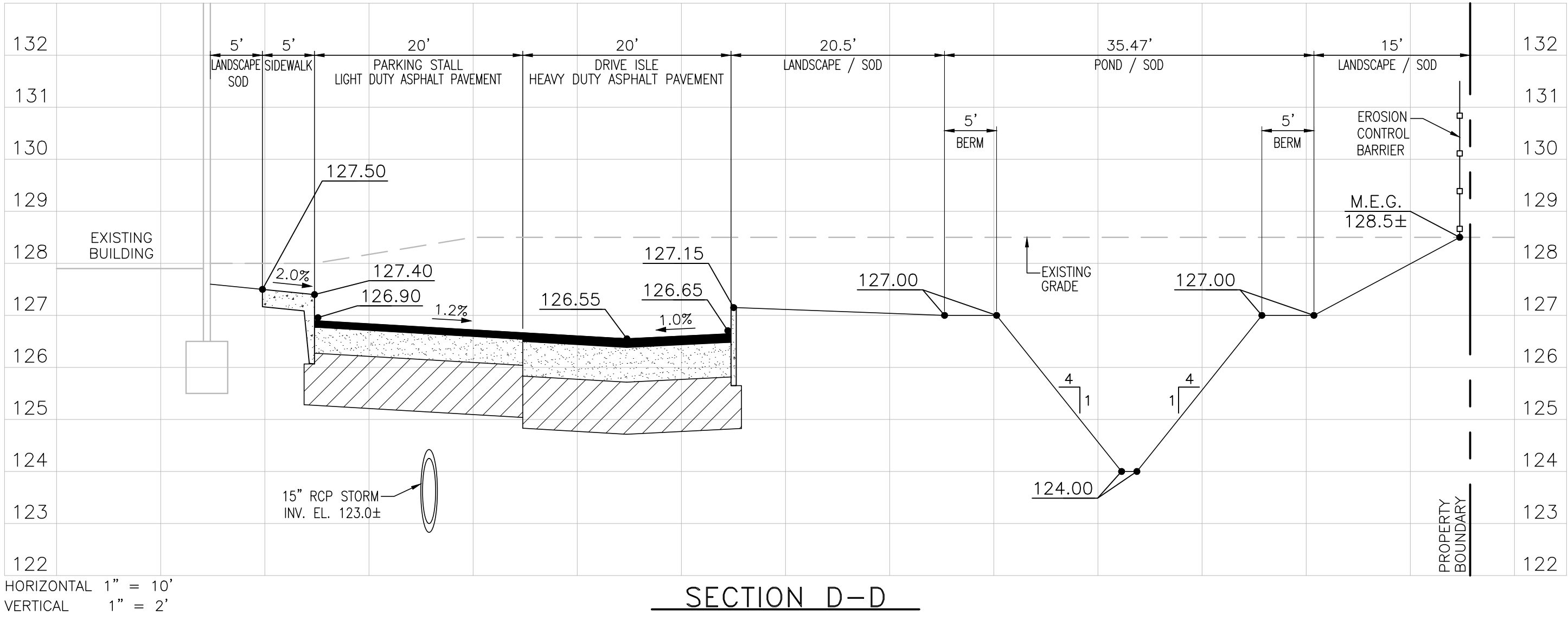
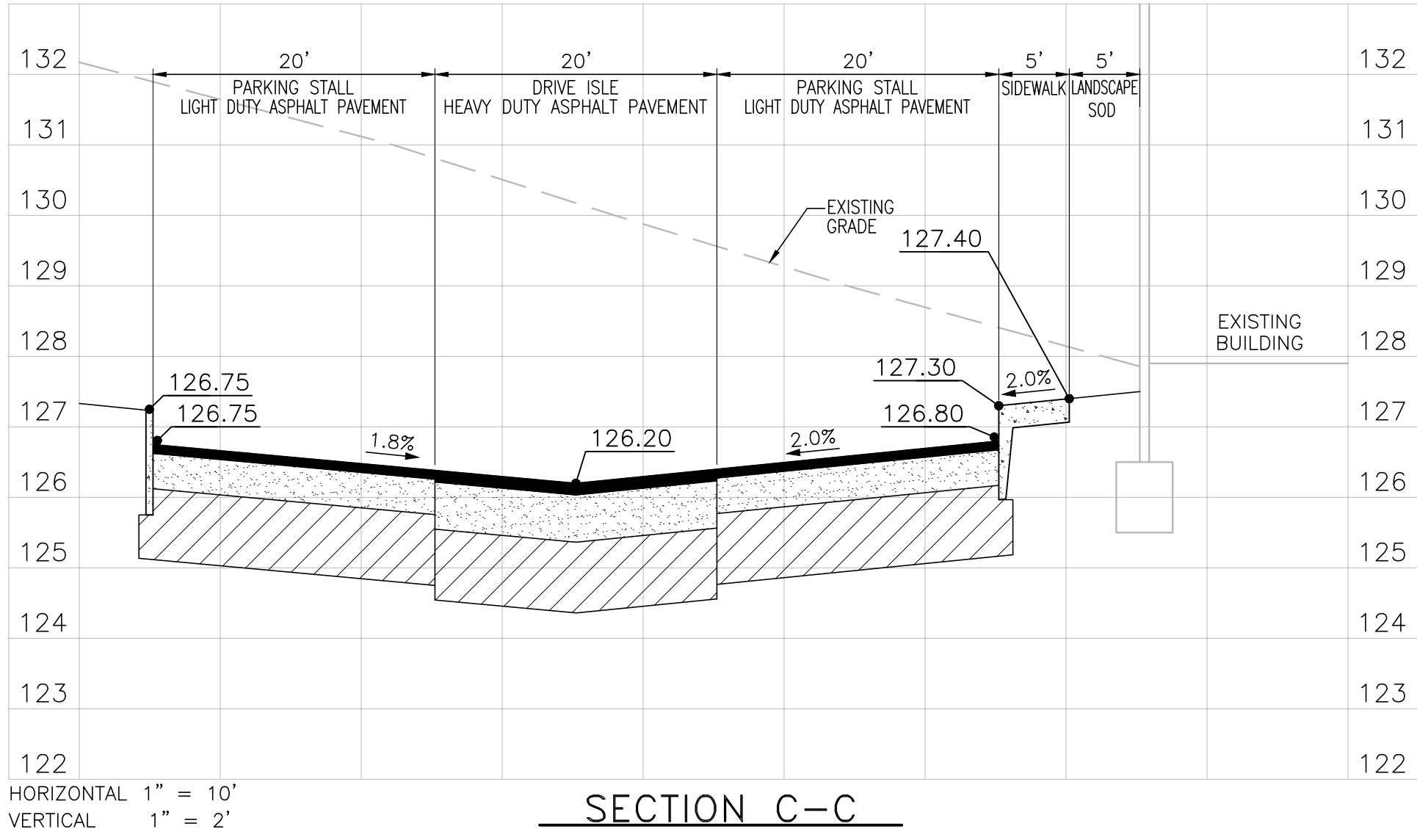
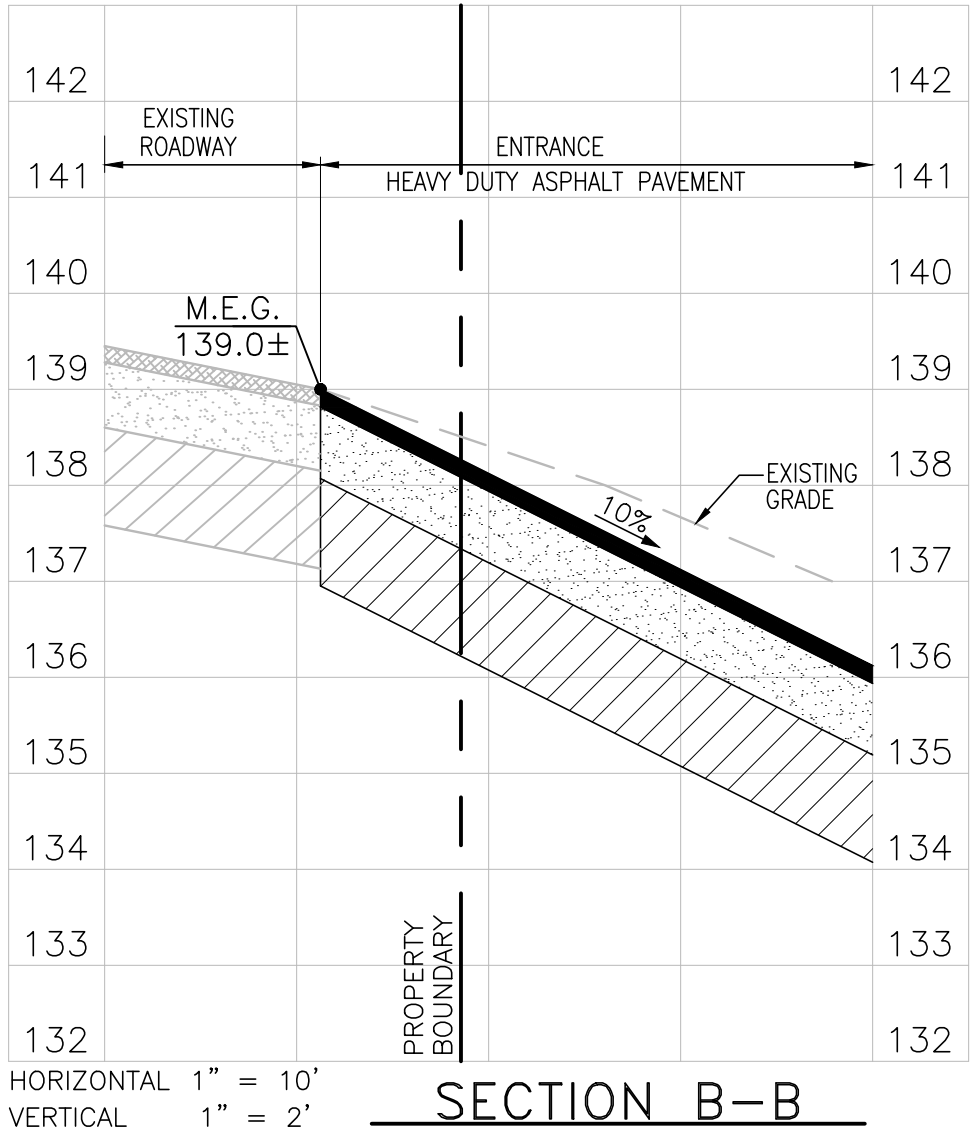
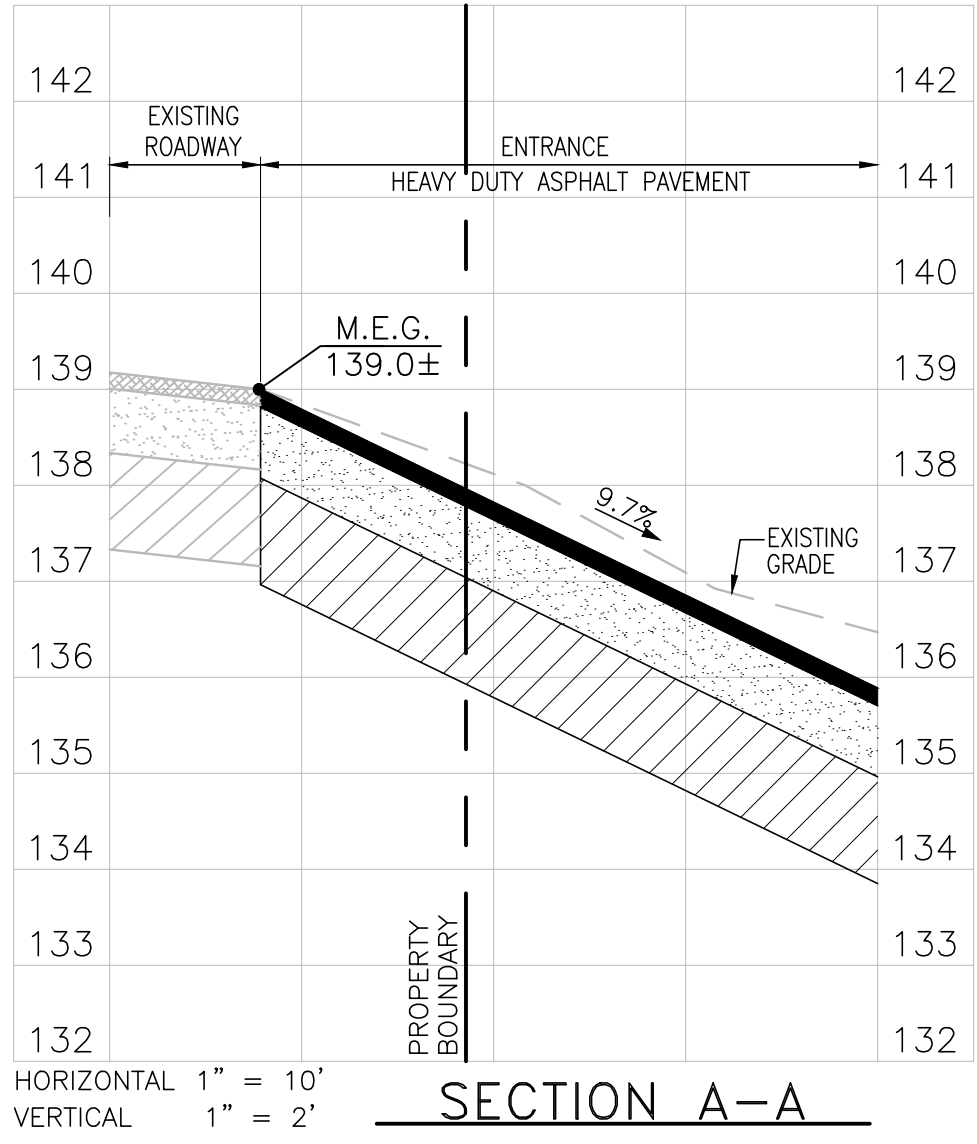
SITE CONSTRUCTION DETAILS

DESIGNED BY SJS
DRAWN BY JT
CHECKED BY SJS
APPROVED BY SJS

PROJECT NO. 33555.0000
SCALE NOTED
DATE MAY 11, 2026
SHEET NO. C-8
SHEET 9 OF 11



THIS ITEM HAS BEEN ELECTRONICALLY
SIGNED AND SEALED BY:
SAM J. SEBAALI, P.E.
ON THE DATE ADJACENT TO THE SEAL.
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VERIFIED ON ANY ELECTRONIC COPIES.



DATE	REVISIONS	BY	CHECKED		

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA

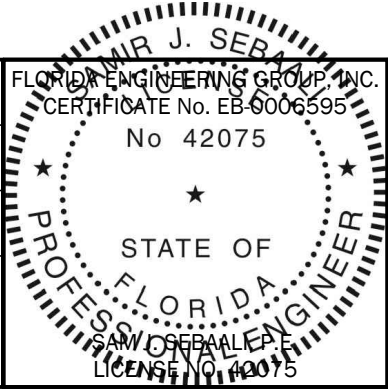


5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325
www.thomasandhutton.com

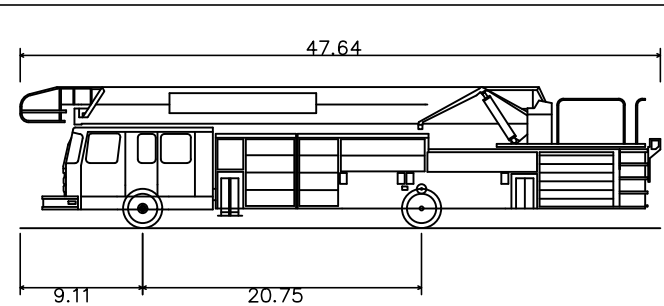
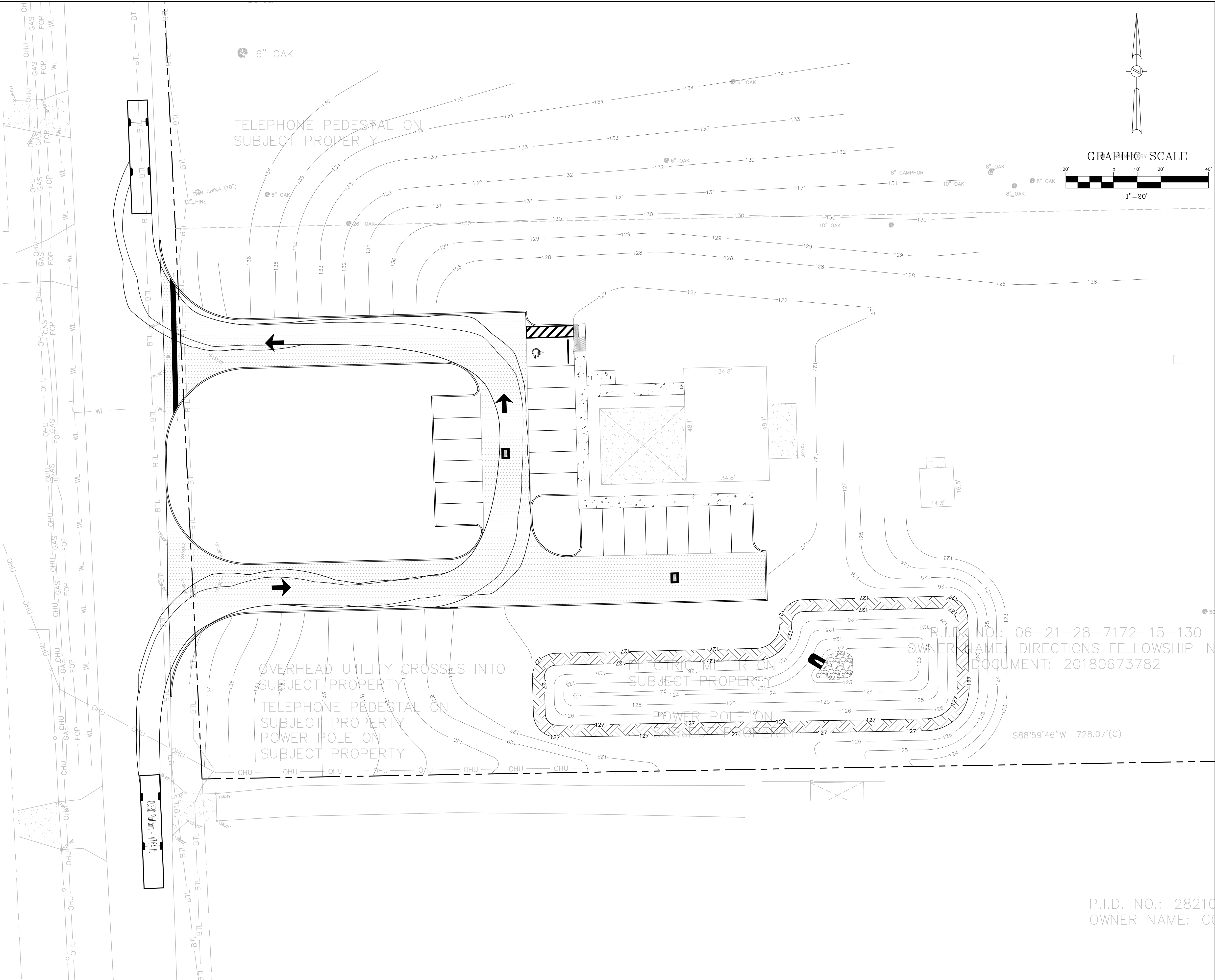
SITE CROSS SECTIONS

DESIGNED BY SJS	DRAWN BY JT	CHECKED BY SJS	APPROVED BY SJS
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PROJECT NO. 33555.0000
SCALE NOTED
DATE MAY 11, 2026
SHEET NO. C-9
SHEET 10 OF 11

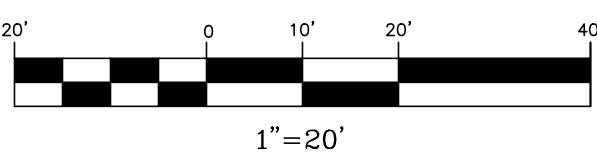


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QCFRD Platform - 47.64 ft.
Overall Length 47.640ft
Overall Width 8.330ft
Overall Body Height 10.489ft
Min. Body Ground Clearance 0.920ft
Track Width 8.330ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 44.20°

GRAPHIC SCALE



P.I.D. NO.: 06-21-28-7172-15-130
OWNER NAME: DIRECTIONS FELLOWSHIP IN
DOCUMENT: 20180673782

S88°59'46"W 728.07'(C)

P.I.D. NO.: 28210
OWNER NAME: CO

CONSTRUCTION PLANS
NORTHWEST CHURCH - EXISTING BUILDING RETROFIT
APOPKA, FLORIDA

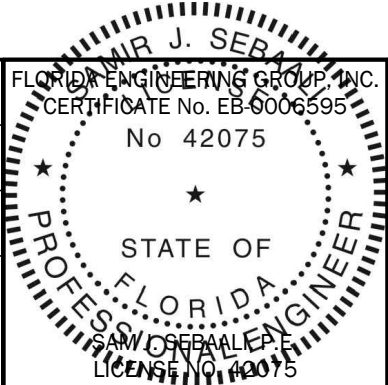


5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325
www.thomasandhutton.com

SITE AUTOTURN PLAN

DESIGNED BY SJS
DRAWN BY JT
CHECKED BY SJS
APPROVED BY SJS

PROJECT NO. 33555.0000
SCALE 1"=20'
DATE MAY 11, 2026
SHEET NO. C-10
SHEET 11 OF 11



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MINOR DEVELOPMENT PLAN

FOR

LESTER OAKS

Digitally signed
by Thomas R
Faber
Date: 2026.07.22
10:18:47-04'00'

THOMAS R. FABER
FLORIDA P.E. NO. 87427
REGISTERED 1/26/99

SHEET INDEX

C1.0	COVER SHEET
C2.0	GENERAL NOTES
C3.0	EXISTING CONDITIONS AND DEMO PLAN
C4.0	SITE PLAN
C5.0	UTILITY PLAN
C6.0	DRAINAGE AND GRADING PLAN
C7.0	PLAN AND PROFILE
C8.0	OFFSITE IMPROVEMENTS PLAN
C9.0	EROSION CONTROL PLAN
C10.0	FIRE TRUCK CIRCULATION PLAN
C11.0	CONSTRUCTION DETAILS
C12.0 - C12.3	UTILITY DETAILS
C13.0 - C13.1	LIFT STATION PLAN AND DETAILS
-	LANDSCAPE PLANS
-	IRRIGATION PLANS
1 OF 1	PHOTOMETRIC PLAN

550 WEST LESTER RD.
APOPKA, FL

PARCEL ID:
33-20-28-0000-00-069

PROJECT TEAM:

OWNER/APPLICANT

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

CIVIL ENGINEER

FABER ENGINEERING, INC.
3165 MCCRORY PLACE, STE 151
ORLANDO, FL 32803
(407) 595-1566

SURVEYOR

BISHMAN SURVEYING & MAPPING, INC
301 N. TUBB STREET, SUITE 106
OAKLAND, FL 34760
(407) 905-8877

LANDSCAPE ARCHITECT

LANDSCAPE DYNAMICS
P.O. BOX 2852
WINTER PARK, FL 32790
(407) 579-1811

ENVIRONMENTAL ENGINEER

ECOLOGICAL CONSULTING SOLUTIONS, INC.
410 NORTH ST., UNIT 130
LONGWOOD, FL 32750
(407) 869-9434

GEOTECHNICAL ENGINEER

GEO-TECHNOLOGY ASSOCIATES, INC.
4617 PARKBREEZE COURT
ORLANDO, FL 32808
(321) 482-4239



VICINITY MAP

1"=2000'

UTILITY PROVIDERS:

WATER / WASTE WATER & RECLAIM WATER

CITY OF APOPKA
748 EAST CLEVELAND ST.
APOPKA, FLORIDA 32703
(407) 703-1727

GAS

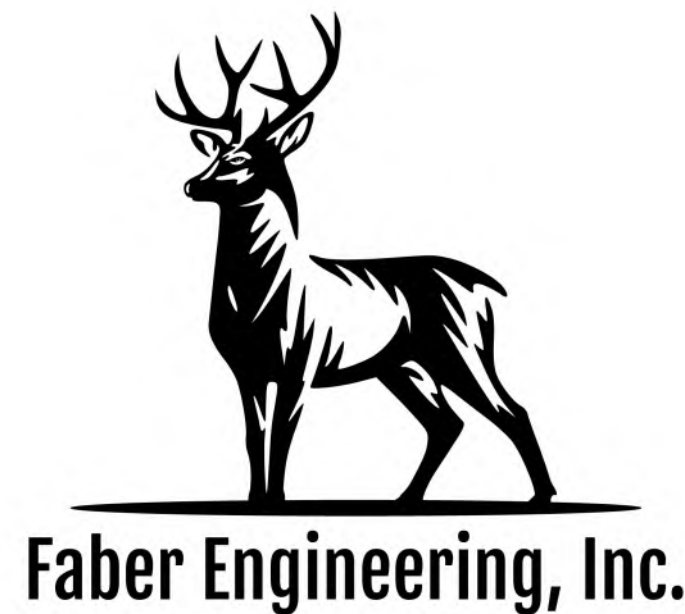
LAKE APOPKA NATURAL GAS DISTRICT
1320 WINTER GARDEN - VINELAND RD.
WINTER GARDEN, FL 34787
(407) 656-2734

PHONE / CABLE

SPECTRUM
3767 ALL AMERICAN BLVD.
ORLANDO, FLORIDA 32810
(407) 532-8509

ELECTRIC

DUKE ENERGY
452 EAST CROWN POINT RD.
WINTER GARDEN, FLORIDA 32787
(407) 889-1718



3165 MCCRORY PLACE, SUITE 151
ORLANDO, FL 32803
(407) 595-1566

LEGAL DESCRIPTION:

THE NORTH 230 FEET OF THE EAST 1/2 OF THE NW 1/4 OF THE NW 1/4 OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA; LESS THE NORTH 30 FEET THEREOF HERETOFORE DEEDED TO THE COUNTY OF ORANGE FOR ROAD PURPOSES.

THE ABOVE DESCRIBED PANEL CONTAINS A TOTAL OF 3.05 ACRES, MORE OR LESS.

1. PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE FABER ENGINEERING, INC. WITH CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS SO THAT PERIODIC SITE VISITS MAY BE COORDINATED TO INSURE TIMELY CERTIFICATION OF CONSTRUCTION TO AGENCIES AND TO AVOID DELAYS IN ISSUANCE OF CERTIFICATES OF OCCUPANCY.
2. CONTRACTOR SHALL MAINTAIN A SET OF PLANS ACCURATELY MARKED-UP WITH AS-BUILT INFORMATION ON RUM AND INVERT ELEVATIONS. AS-BUILT INFORMATION PREPARED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE FLORIDA LAND SURVEYING AND PLANNING REQUIREMENTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
3. REGULATORS SHALL BE IN PLACE PRIOR TO FINAL INSPECTION OF PAVING AND DRAINAGE IMPROVEMENTS.
4. 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.
5. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL ROADWAYS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE RESULT FROM THE ADJUSTMENTS DESCRIBED, THE CONTRACTOR SHALL NOTIFY THE SITE SUPERINTENDENT PRIOR TO PLACING BASE SO THAT RECOMMENDATIONS FOR CORRECTION CAN BE MADE.
6. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION.
7. CHAPTER 17-153 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATING. DRAWINGS SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS AND DO NOT SHOW SERVICE LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE EITHER MAINS OR SERVICE LINES IS BY ON-SITE INSPECTION BY GAS COMPANY PERSONNEL. THEREFORE, EXCAVATORS ARE INSTRUCTED TO TELEPHONE THE GAS COMPANY TWO WORKING DAYS BEFORE ENTERING A NEW CONSTRUCTION AREA.
8. ALL MEDIANS AND ISLANDS TO BE FILLED WITH CLEAN SOIL AND COMPACTED PER LANDSCAPE REQUIREMENTS.
9. PAVEMENT RETURN RADIUS SHALL BE ASSURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
10. ALL DISTURBED AREAS SHALL BE RETURNED TO PRECONSTRUCTION CONDITIONS, OR BETTER.
11. ALL PAVEMENT MARKERS, STRIPING, SIGNAGE, AND OTHER TRAFFIC CONTROL DEVICES TO BE INSTALLED BY CONTRACTOR PER F.T.O.D.T AND CITY OF APOPKA STANDARDS.
12. THE FOLLOWING AGENCIES AND COMPANIES SHALL BE NOTIFIED 48 HOURS PRIOR TO BEGINNING CONSTRUCTION:

- A. CITY OF APOPKA ENGINEERING DEPARTMENT
B. CITY OF APOPKA UTILITIES
C. SPECTRUM
D. DUKE ENERGY
E. FLORIDA PUBLIC UTILITIES

13. BOUNDARY AND TOPOGRAPHIC DATA WAS PROVIDED BY BISHMAN SURVEYING & MAPPING, INC.
14. ALL MARKINGS TO COMPLY WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
15. ALL TRAFFIC CONTROL SIGNS AND STRIPES SHALL CONFORM TO THE M.U.T.C.D. AND CITY OF APOPKA TRAFFIC STANDARDS.
16. SIDEWALKS SHALL BE BUILT TO BE FLORIDA ACCESSIBILITY CODE COMPLIANT, INCLUDING HANDICAPPED RAMPS.
17. THE APPLICANT SHALL COORDINATE AND SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF CONSTRUCTION.
18. THE APPLICANT SHALL ADVISE THE COUNTY ENGINEER 10 DAYS PRIOR TO THE START OF CONSTRUCTION.
19. NO PAVING SHALL COMMENCE UNTIL WRITTEN AUTHORIZATION HAS BEEN GIVEN BY THE COUNTY ENGINEER, THE ASPHALT MIX DESIGN MUST BE APPROVED AND A PRE-PAVING MEETING MUST BE HELD PRIOR TO THE APPROVAL BY THE COUNTY ENGINEER TO PAVE. ONLY THE APPROVED PLANS STAMPED AND SIGNED BY THE COUNTY ENGINEER SHALL BE USED ON THE PROJECT. ANY CHANGE(S) TO THE APPROVED PLANS MUST BE SUBMITTED BY THE ENGINEER OF RECORD AND MUST BE APPROVED BY THE COUNTY ENGINEER BEFORE CONSTRUCTION OF THE CHANGE(S) CAN BE STARTED.
20. THE CONTRACTOR IS A REQUIRED TO OBTAIN A BUILDING PERMIT FROM CITY OF APOPKA BUILDING DEPARTMENT PRIOR TO CONSTRUCTION OF ANY RETAINING WALLS.

1. THE MINIMUM ROADWAY GRADE SHALL BE 0.30%.
2. COORDINATION WITH LANDSCAPE CONTRACTOR TO ASSURE PONDS ARE SODDED TO PREVENT SCOURING.
3. F.D.O.T. EROSION AND SEDIMENT CONTROL DESIGN MANUAL SHALL BE USED FOR EROSION AND SEDIMENT CONTROL. BEST MANAGEMENT PRACTICES AS REQUIRED BY CITY OF APOPKA SHALL BE OBSERVED.
4. SITE GRADING, PAVING, AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO CITY OF APOPKA AND F.D.O.T. DEVELOPMENT STANDARDS AND SPECIFICATIONS.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
6. THE STORM WATER RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED DURING THE EARLY STAGES OF CONSTRUCTION. SODDED AND/OR SEEDED AREAS SHOULD HAVE VEGETATION ADDED AS SOON AS FEASIBLE.
7. SOILS INFORMATION WAS PROVIDED TO FABER ENGINEERING, INC. BY GEO-TECHNOLOGY ASSOCIATES, INC.
8. THE PROPOSED SILT FENCE SHOWN ON THE PLANS IS THE MINIMUM REQUIRED. ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED. THE CONTRACTOR SHALL INSTALL THE SILT FENCE PRIOR TO ANY CLEARING OR GRADING ON-SITE. ONCE SILT FENCE HAS BEEN INSTALLED, THE CONTRACTOR SHALL MAINTAIN INTEGRITY THROUGH PERIODIC INSPECTION AND REPAIR.
9. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC MEETING FDOT REQUIREMENTS.
10. WITHIN THE RIGHT-OF-WAY, BACKFILL FOR PIPE AND STRUCTURES WILL BE DENSIFIED TO 100% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. BASE AND STABILIZED SUBGRADE, WITHIN THE RIGHT-OF-WAY WILL BE DENSIFIED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
11. ALL CURB INLET TOPS ARE PRECAST CONCRETE.
12. THE SUBGRADE SHALL BE LEVELED, COMPACTED AND TESTED FOR A DEPTH OF 2' PRIOR TO THE PLACEMENT OF ANY FILL. COMPACTION SHOULD CONTINUE UNTIL A MINIMUM DENSITY EQUIVALENT TO 95 PERCENT OF THE SOIL'S MAXIMUM MODIFIED PROCTOR DENSITY VALUE (ASTM D-1557) HAS BEEN ACHIEVED. COMPACTION SHOULD BE PERFORMED USING NON-VIBRATORY COMPACTION EQUIPMENT SUCH AS A HEAVY RUBBER TIRE FRONT-END LOADER. THE FRONT-END LOADER SHOULD HAVE A MINIMUM BUCKET SIZE OF 3 CUBIC YARDS, WHICH SHOULD REMAIN FULL DURING COMPACTION OPERATIONS. ALL FILL NECESSARY TO ATTAIN FINAL SITE GRADES SHOULD BE COMPACTED TO THE DENSITY DESCRIBED ABOVE.
13. ALL REINFORCED CONCRETE STORM SEWER PIPES SHALL BE CLASS III (ASTM C-76) UNLESS OTHERWISE NOTED ON THE PLANS. ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED ON THE PLANS.
14. FOR DRAINAGE STRUCTURES TO BE USED ON SITE REFERENCE FDOT STANDARD PLANS 425-XXX.
15. STRUCTURAL FILL REQUIRED TO ATTAIN FINAL SITE GRADES SHOULD BE COMPRISED OF CLEAN SAND WITH LESS THAN 7 PERCENT PASSING THE U.S. NO. 200 SIEVE. THE FILL SHOULD BE PLACED IN MAXIMUM 12" THICK LIFTS AND COMPACTED TO THE DENSITY DESCRIBED ABOVE.
16. FINISHED GRADE ELEVATIONS SHALL BE TABLE TOPPED 8-INCHES BELOW STATED FINISHED FLOOR ELEVATIONS.
17. ALL ELEVATIONS SHOWN IN PLANS ARE BASED ON NAVD88 DATUM.

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH STATE AND LOCAL SOIL EROSION CONTROL AND CONSERVATION STANDARDS. ADDITIONAL MEASURES TO PREVENT/CONTROL SOIL SEDIMENTATION OR EROSION MAY BE REQUIRED DUE TO SITE CONSIDERATIONS WITHIN THE BOUNDARY LIMITS AND DOWNSTREAM.
2. PRIOR TO DEVELOPMENT, PERIMETER SHALL BE CLEARLY MARKED AND ALL SOIL DISTURBANCE TO BE CONTAINED WITHIN. OFF SITE WORK MAY BE NECESSARY DUE TO ACTUAL SITE SLOPE OR DRAINAGE REQUIREMENTS. ALL CONTROL MEASURES MUST CONFORM TO SITE STANDARDS.
3. ALL POINTS OF SITE INGRESS AND EGRESS TO BE CONSTRUCTED PRIOR TO ANY OTHER DEVELOPMENT. THEY MUST BE STABILIZED AND INCLUDE SOIL EROSION/ SEDIMENTATION CONTROL MEASURES IN ORDER TO PREVENT TRACKING AND SILTING OF MUD INTO PUBLIC ROADWAYS OR DRAINAGE AREAS TO BE IMMEDIATELY REMOVED.
4. ALL STORM DRAIN AND SANITARY SEWER TRENCHES NOT IN PAVED AREAS ARE TO BE MULCHED AND/OR SEEDED WITHIN 14 DAYS AFTER INITIAL BACKFILL.
5. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
6. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
7. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND/OR SODDED.
8. NO SLOPE SHALL BE GREATER THAN 4:1 UNLESS OTHERWISE NOTED.
9. FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 4:1; AND FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF GOVERNING AUTHORITIES.
10. SILT FENCED TO BE PLACED AROUND PERIMETER OF PROPERTY AS SHOWN. CONTRACTOR TO VERIFY LIMITS OF SILT FENCE PRIOR TO INSTALLATION.
11. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
12. THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO LAND-DISTURBING ACTIVITIES.

1. CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION IN THEIR VICINITY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AS SOON AS POSSIBLE.
2. WATER MAIN SEPARATION (VERTICAL AND HORIZONTAL) FROM FORCE MAIN, STORM, AND RECLAIMED WATER MUST BE IN COMPLIANCE WITH FDEP GUIDELINES WITH NO STANDARD MITIGATION ALLOWED. THE WATER MAIN SEPARATION FROM FORCE MAIN, STORM, AND RECLAIMED WATER MUST ALSO BE IN COMPLIANCE WITH CITY OF APOPKA SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL MINIMUM SEPARATION REQUIREMENTS ARE MAINTAINED.
3. ALL POTABLE WATER, RECLAIMED WATER, AND FORCE MAINS TO MEET CITY OF APOPKA SPECIFICATIONS.
4. RESTORE ALL DISTURBED RIGHT-OF-WAY AREAS TO PREVIOUS CONDITION.
5. ALL WORK ON UTILITIES SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE UTILITY COMPANIES, OWNER, AND PROJECT ENGINEER.
6. HYDROSTATIC TESTING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C600 OR M23 AS APPLICABLE.
7. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651.
8. ALL P.V.C. WATER PIPES MUST BEAR THE NSF LOGO FOR POTABLE WATER USE. P.V.C. WATER PIPES WITH DIAMETERS LESS THAN FOUR INCHES SHALL BE SCHEDULE 40 PVC IN ACCORDANCE WITH ASTM 1785.
9. CONTRACTOR SHALL MAINTAIN MINIMUM 3' COVER OVER WATER MAINS, FORCE MAINS, AND RECLAIMED WATER MAINS.
10. ALL DUCTILE IRON PIPES MUST BE IN ACCORDANCE WITH AWWA C151.
11. THE CONTRACTOR SHALL NOTIFY CITY OF APOPKA UTILITIES CONSTRUCTION DEPARTMENT AT LEAST 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION.
12. ALL EXISTING UTILITIES AT POINTS OF CONFLICT SHALL BE FIELD VERIFIED BY THE "CONTRACTOR" PRIOR TO CONSTRUCTION AND MEET MINIMUM SPACING REQUIREMENTS.

STATED ENGINEERING INC
REGISTRY #20400

LESTER OAKS
APOPKA, FL

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

1. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5%; 2) USING A RIGID BAR OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NO LESS THAN 95% OF THE BASE PIPE DIAMETER OR 4 TIMES THE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATIONS, INCLUDING THE APPENDIX, TO WHICH THE PIPE MANUFACTURED; AND 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES. [RSWF 33.85]
2. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT: 1) NO VISIBLE LEAKAGE ALLOWED; 2) EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET OF AIR TEST WATER; 3) A MINIMUM, CONFORM TO THE TEST PROCEDURE IN ASTM C-828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES. [RSWF 33.93, 33.94, AND 33.95]
3. A BENCH SHALL BE PROVIDED ON EACH SIDE OF ANY MANHOLE CHANNEL WHEN THE PIPE DIAMETER IS LESS THAN ONE MANHOLE DIAMETER AND THAT NO LATERAL SEWER, SERVICE CONNECTION, OR DROP MANHOLE PIPE DISCHARGES INTO THE SURFACE OF THE BENCH.

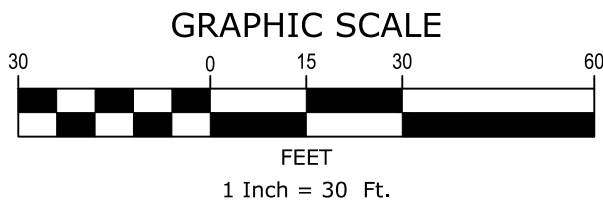
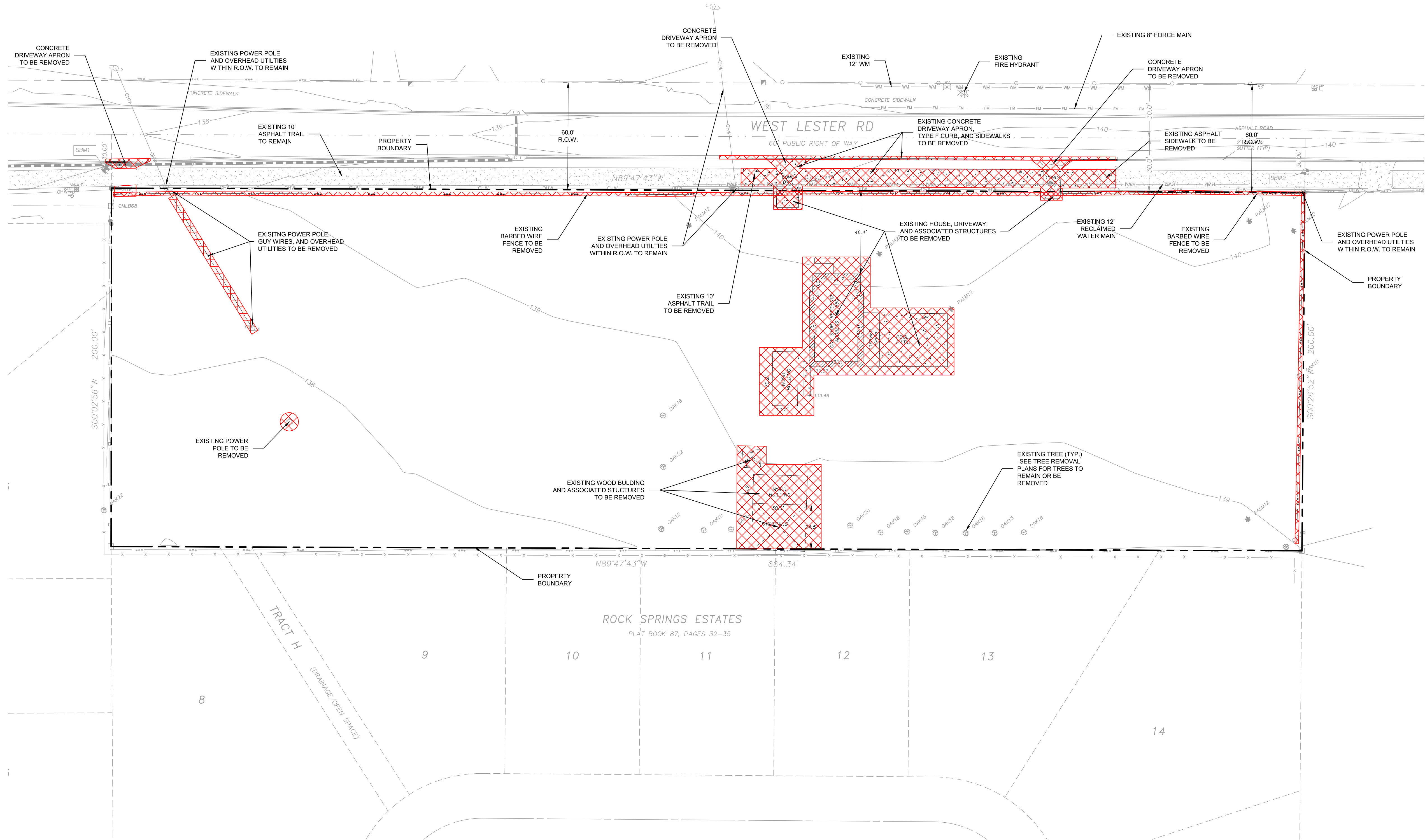
1. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT WILL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS. (FAC 62-555.320(21)(B), RSWW 8.0, AND AWWA STANDARDS AS INCORPORATED INTO FAC 62-555.330; EXCEPTIONS ALLOWED UNDER FAC 62-555.320(21)(C))
2. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER WILL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.320.(3)(B), F.A.C., OR OTHER APPLICABLE STANDARD, REGULATIONS, OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-555.320(3)(B), F.A.C., (FAC 62-555.320(3)(B); EXCEPTIONS ALLOWED UNDER FAC 62-555.320(3)(D))
3. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER A FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 2.0% LEAD. (FAC 62-555.322)
4. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPHS 62-555.320 (21)(B)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIP PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLORED CODED OR MARKED LIKE UNDERGROUND PIPE.) (FAC 62-555.320 (21)(B)3)
5. NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT WILL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURES' RECOMMENDED PROCEDURES. (FAC 62-555.320(20)(B), RSWW 8.5.1, AND AWWA STANDARDS AS INCORPORATED INTO FAC 62-555.330)
6. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT; BACKFILL MATERIAL WILL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE; AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURES' RECOMMENDED INSULATION PROCEDURES) FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT. (FAC 62-555.320(21)(B), RSWW 8.5.2)
7. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED UNDER THIS PROJECT WILL BE PROVIDED WITH THRUST BLOCKS OR RESTRAINED JOINTS TO PREVENT MOVEMENT. (FAC 62-555.320 (21)(B) AND RSWW 8.5.4)
8. NEW OR ALTERED WATER MAINS, THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE CONSTRUCTED OF ASBESTOS-CEMENT OR POLYVINYL CHLORIDE PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARDS C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C., AND ALL OTHER NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-555.330. (FAC 62-555.320 (21)(B) 1 AND AWWA STANDARDS AS INCORPORATED INTO FAC 62-555.330)
9. NEW OR ALTERED WATER MAINS, INCLUDING FIRE HYDRANT LEADS AND INCLUDING SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER, WILL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, FAC (FAC 62-555.320(21)(B) 2 AND FAC 62-555.340)
10. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST 3 FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; A HORIZONTAL DISTANCE OF AT LEAST 6 FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN WILL BE LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND A HORIZONTAL DISTANCE OF AT LEAST 10 FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM." (FAC 62-555.314(1); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5))
11. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE; AND NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5))
12. AT THE UTILITY CROSSING DESCRIBED IN PART II.C.W ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE OR THE PIPES WILL BE ARRANGES SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORMSEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5))

REV.#	DATE	
1	07/20/28	REVISED PER CITY AND SJRWMD COMMENTS
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JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

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Faber Engineering, Inc.
3165 MCCORRY PLACE, STE. 151
ORLANDO, FL 32803
(407) 595-1566

SEAL:

THOMAS FABER, P.E. #87427
FABER ENGINEERING, INC.
REGISTRY 026498

EXISTING CONDITIONS AND DEMOLITION PLAN

LESTER OAKS
APOPKA, FL

PROJECT PHASE::
CONSTRUCTION PLANS

APPLICANT:

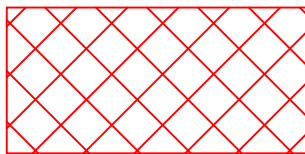
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV #	DATE	REVISIONS PER CITY AND SURVMD COMMENTS
1	07/20/26	
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JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

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HATCH LEGEND



DEMOLITION HATCHING

DEMOLITION NOTES

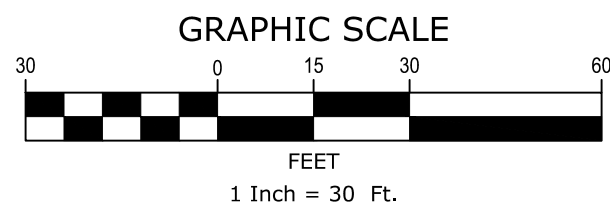
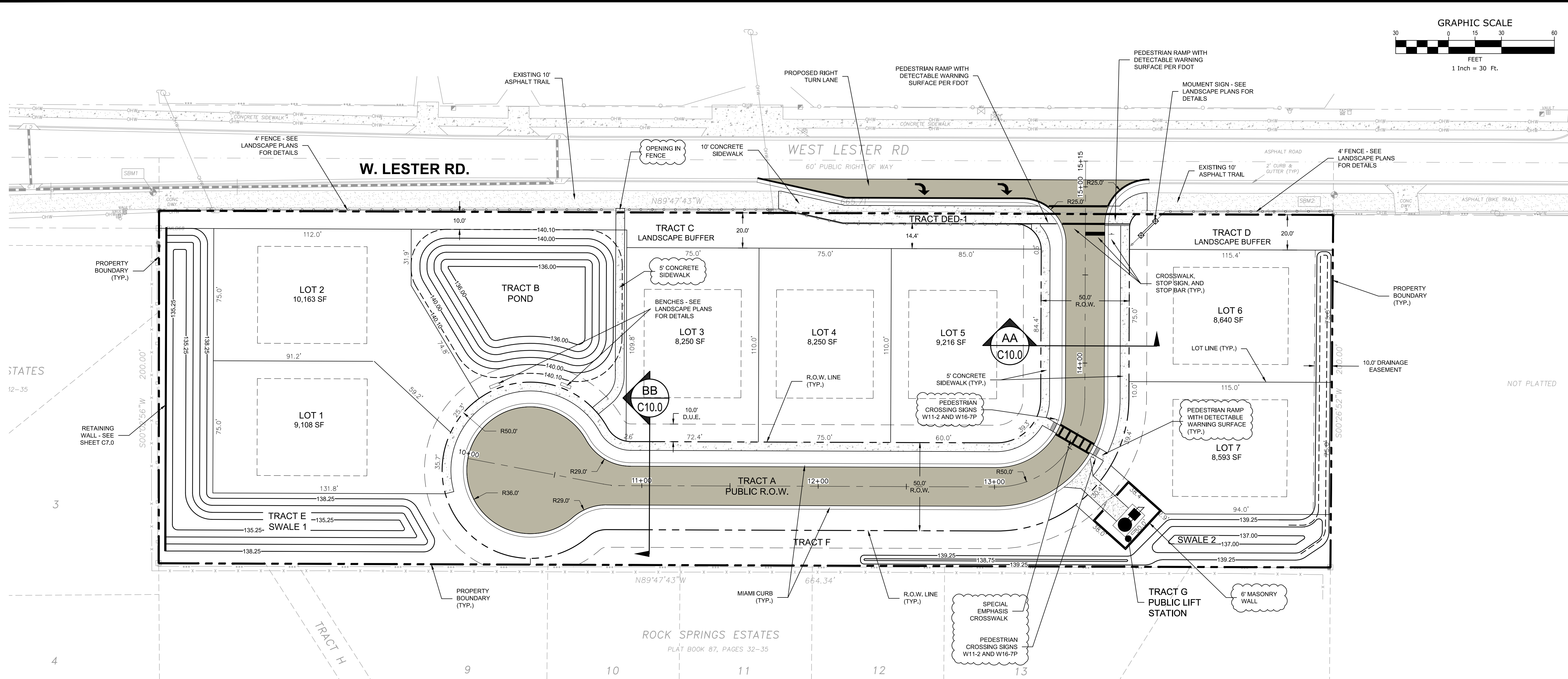
- CONTRACTOR SHALL BE KNOWLEDGEABLE OF THE CONSTRUCTION DOCUMENTS AND BE RESPONSIBLE FOR PROTECTING ANY EXISTING FACILITY SO DESIGNATED OR DESIGNATED TO BE UTILIZED IN THE WORK.
- CONTRACTOR SHALL REMOVE ALL FOUNDATIONS, CONCRETE SLABS, AND UNDERGROUND STRUCTURES EXISTING ON THE SITE AT THE TIME OF BIDDING UNLESS OTHERWISE DIRECTED.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES AND BE RESPONSIBLE FOR THE TERMINATION, CAPPING-OFF AND REMOVAL OF ALL UNDERGROUND AND ABOVE-GROUND UTILITY SERVICES EXISTING AT THE TIME OF BIDDING UNLESS DIRECTED TO BID OTHERWISE.
- CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.

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STATES
12-35

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SEAL:

THOMAS FABER, P.E. #87427
REGISTERED PROFESSIONAL ENGINEER
FABER ENGINEERING, INC.

SITE PLAN

LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

APPLICANT:

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV# DATE REVISION PER CITY AND SURVIVOR COMMENTS

JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

C4.0

GREEN BUILDING POINT SYSTEM

- LOCATION: DEVELOPMENT ON A PREVIOUSLY USED OR DEVELOPED LAND THAT IS NOT CONTAMINATED (SITE RE-USE) = 0.50 POINTS
- ENERGY CONSERVATION: USE CENTRAL AIR CONDITIONERS THAT ARE ENERGY STAR QUALIFIED = 0.50 POINTS
- VEGETATION: PRESERVE LARGE, NON-EXOTIC TREES ON-SITE = 0.50 POINTS
- PASSIVE SOLAR: ORIENT A MINIMUM OF 25 PERCENT OF RESIDENTIAL LOTS IN THE DEVELOPMENT WITHIN 20 PERCENT OF THE EAST-WEST AXIS FOR MAXIMUM PASSIVE SOLAR EXPOSURE = 1.00 POINTS
- RESILIENCY TO NATURAL HAZARDS: IF THE PROJECT INVOLVES A CRITICAL FACILITY THAT IS INTENDED TO REMAIN OPERATIONAL IN THE EVENT OF A FLOOD, DESIGN THE FACILITY TO BE PROTECTED AND OPERABLE AT THE WATER LEVELS REPRESENTED BY A 0.2% ANNUAL CHANCE (500-YR) FLOOD = 1.00 POINTS (LIFT STATION)
- RESILIENCY TO NATURAL HAZARDS: ELEVATE NEW STRUCTURES MORE THAN 3 FEET ABOVE BASE FLOOD ELEVATION = 0.50 POINTS

MINIMUM GREEN BUILDING POINTS PROVIDED = 4.00 POINTS

PROPOSED IMPERVIOUS CALCULATIONS

DESCRIPTION	AREA	PERCENTAGE
LOT IMPERVIOUS	0.78 AC.	25.6%
R.O.W. IMPERVIOUS	0.43 AC.	14.1%
PERVIOUS	1.84 AC.	60.3%
TOTAL IMPERVIOUS AREA	1.21 AC.	39.7%
TOTAL AREA	3.05 AC.	100.00%

TRACT TABLE

NAME	USE	OWNERSHIP	AREA (AC.)
TRACT A	PUBLIC R.O.W.	CITY OF APOPKA	0.64 (21.0%)
TRACT B	OPEN SPACE/RETENTION	HOA	0.24 (7.9%)
TRACT C	BUFFER/OPEN SPACE	HOA	0.15 (4.9%)
TRACT D	BUFFER/OPEN SPACE	HOA	0.05 (1.6%)
TRACT E	RETENTION	HOA	0.27 (8.8%)
TRACT F	TREE SAVE/OPEN SPACE/RETENTION	HOA	0.23 (7.5%)
TRACT G	LIFT STATION	CITY OF APOPKA	0.02 (0.7%)
TRACT DED-1	R.O.W. DEDICATION	CITY OF APOPKA	0.02 (0.7%)
-	SINGLE FAMILY LOTS	-	1.43 (46.9%)
TOTAL AREA:			3.05 (100%)

OPEN SPACE CALCULATIONS

REQUIRED OPEN SPACE = 20%

0.20 X 3.05 AC. = 0.61 AC.

PROPOSED OPEN SPACE:

+ 0.18 AC. (75% TRACT B)
+ 0.15 AC. (TRACT C)
+ 0.05 AC. (TRACT D)
+ 0.23 AC. (TRACT F)

TOTAL: 0.61 AC. (20%)

SOIL DATA

NRCS SOIL SURVEY LINE

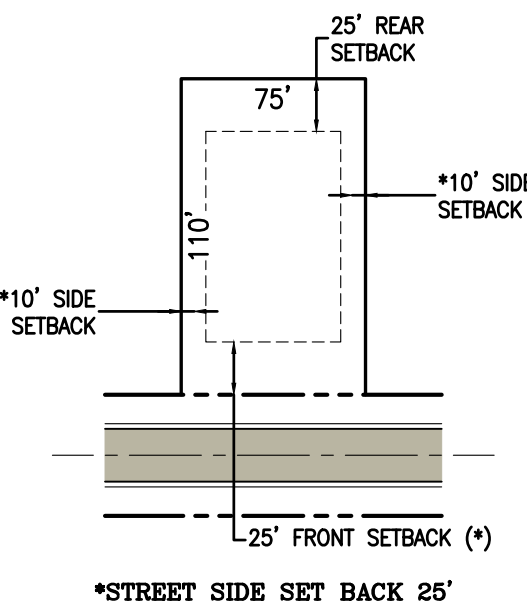
SOIL NUMBER	SOIL NAME	HYDROLOGIC GROUP
2	ARCHBOLD FINE SAND, 0 TO 5 PERCENT SLOPES	A

*NOTE: ENTIRE SITE CONTAINS THE SAME SOIL GROUP

TRIP GENERATION TABLE¹

ITE CODE & DESCRIPTION		RATE ¹	UNITS	TRIPS
210 - SINGLE FAMILY DETACHED HOUSING	AM PEAK HOUR	0.75	7	5
	PM PEAK HOUR	0.99	7	7
	AVERAGE DAILY	9.43	7	66

¹ TRIP RATES REFERENCED FROM THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) TRIP GENERATION MANUAL, 11TH EDITION.

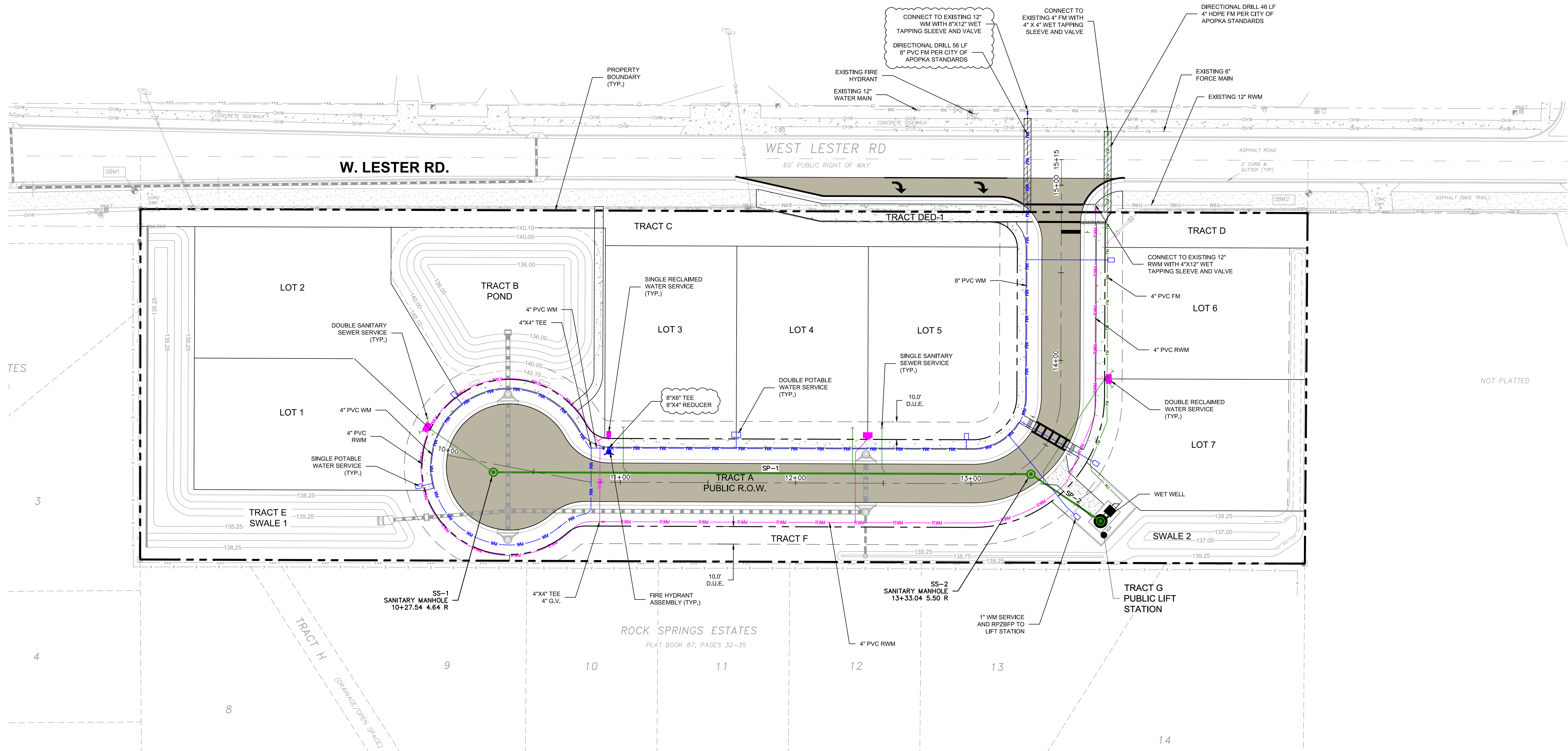


TYPICAL
MINIMUM LOT
SCALE: NTS

SITE DATA AND NOTES

- PARCEL IDS: 33-20-28-0000-00-069
- GROSS SITE AREA = 3.05 AC.
- THE SITE CONTAINS NO WETLANDS OR FLOODPLAINS.
- EXISTING FUTURE LAND USE = RLS
- EXISTING ZONING = RSF-1B
- EXISTING USE = SINGLE FAMILY RESIDENTIAL
- PROPOSED USE = SINGLE FAMILY RESIDENTIAL
- PROPOSED LOTS = 7 SINGLE FAMILY DETACHED
- MAXIMUM ALLOWED DENSITY = 3.5 DU/AC.
- PROPOSED DENSITY = 7 UNITS/3.05 AC = 2.30 DU/AC
- BUILDING SETBACKS:
 - FRONT = 25 FT
 - SIDE = 10 FT
 - REAR = 25 FT
 - STREET SIDE = 25
- REQUIRED LANDSCAPE BUFFERS:
 - NORTH = 10'
 - SOUTH = N/A
 - EAST = N/A
 - WEST = N/A
- MINIMUM LOT AREA = 8,000 SF (75' MIN. WIDTH)
- MINIMUM LIVING AREA = 1,600 SF
- MAXIMUM ALLOWED BUILDING HEIGHT = 35 FT
- THIS PROPERTY IS DESIGNATED ZONE "X". AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FEMA FIRM PANEL 1209SC010H (SEPTEMBER 24, 2021)
- COMMUNITY IDENTIFICATION SIGNAGE SHALL COMPLY WITH APPLICABLE CITY OF APOPKA LAND DEVELOPMENT CODE REQUIREMENTS.
- THE STORMWATER MANAGEMENT SYSTEM FOR THE PROJECT SHALL COMPLY WITH ALL CITY OF APOPKA AND SURVIVOR REQUIREMENTS.
- POTABLE WATER AND SANITARY SEWER TO BE PROVIDED BY THE CITY OF APOPKA.
- IRRIGATION WILL BE VIA RECLAIMED WATER PROVIDED BY THE CITY OF APOPKA.
- PROPOSED WATER MAIN, RECLAIMED WATER MAIN, AND SANITARY SEWER WILL BE PUBLICLY OWNED AND MAINTAINED. UTILITIES ARE DESIGNED TO MEET CITY OF APOPKA STANDARDS.
- ROADWAYS WILL BE PUBLICLY OWNED AND MAINTAINED.
- THE PROJECT WILL BE DEVELOPED IN ONE PHASE.
- THIS PROJECT IS REQUIRED TO ADHERE TO GREEN BUILDING STANDARDS.

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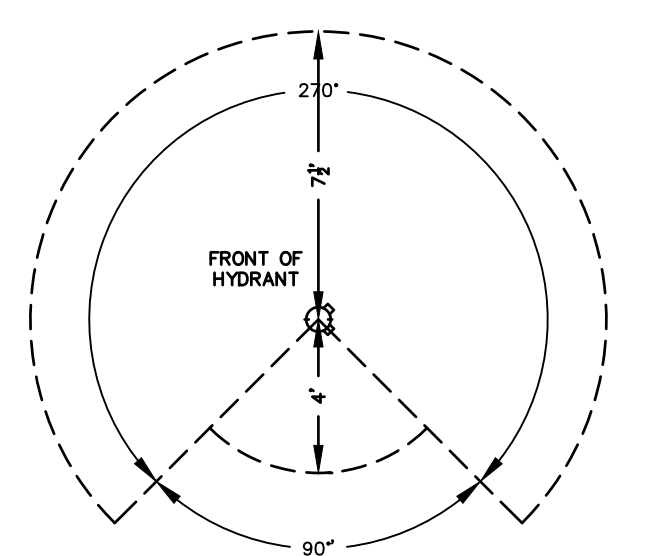
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UTILITY DEMANDS

WATER: 7 DU X 350 GPD/DU = 2,450 GPD
WASTEWATER: 7 DU X 300 GPD/DU = 2,100 GPD



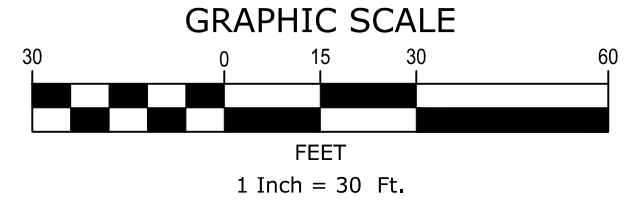
FIRE HYDRANT CLEARANCE DETAIL

D.U.E. = DRAINAGE, UTILITY, EASEMENT

NOTES

- NEEDED FIRE FLOW FOR SINGLE FAMILY DWELLING UNITS SHALL BE AS FOLLOWS: HOMES 5,000 SF OR LESS SHALL PROVIDE 1,000 GPM; HOMES EXCEEDING 5,000 SF SHALL PROVIDE FIRE FLOW IN ACCORDANCE WITH NFPA 1, 18.4.5.2.1.
- A 36 IN. CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANTS AND A CLEAR SPACE OF NOT LESS THAN 60 IN. (1524 MM) SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 21/2 IN. NFPA 1, 18.5.7 HYDRANT SHALL BE MARKED WITH A BLUE REFLECTOR THAT IS PLACED 6" IN THE ROADWAY IN ACCORDANCE WITH NFPA 1.)
- UTILITY EASEMENTS DEDICATED TO THE CITY OF APOPKA SHALL BE PROVIDED OVER ALL WATER AND SEWER MAINS LOCATED OUTSIDE THE PUBLIC RIGHT OF WAY.

FDEP SEPARATION REQUIREMENTS UNDER 62-555.314 EFFECTIVE 8-28-2003				
HAZARD	HORIZONTAL SEPARATION	VERTICAL SEPARATION		JOINT SPACING
		WATER ABOVE	WATER BELOW	
STORM SEWER	3FT MIN	12IN PREF, 6IN MIN	12IN MIN	3FT MIN
STORM FORCE MAIN	3FT MIN	12IN MIN	12IN MIN	3FT MIN
RECLAIMED WATER IF REGULATED UNDER 62-610	3FT MIN	12IN MIN	12IN MIN	3FT MIN
RECLAIMED WATER IF NOT REGULATED UNDER 62-610	10FT PREF, 6FT MIN	12IN MIN	12IN MIN	6FT MIN
VACUUM SANITARY SEWER	10FT PREF, 3FT MIN	12IN PREF, 6IN MIN	12IN MIN	3FT MIN
GRAVITY SANITARY SEWER	10FT PREF, 6FT MIN, 3FT MIN IF WATER MAIN IS 6IN ABOVE GRAVITY SANITARY SEWER.	12IN PREF, 6IN MIN	12IN MIN	6FT MIN
SANITARY SEWER FORCE MAIN	10FT PREF, 6FT MIN	12IN MIN	12IN MIN	6FT MIN
SEWAGE TREATMENT & DISPOSAL SYSTEM	10FT MIN	NONE	NONE	NONE



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FABER ENGINEERING, INC.

UTILITY PLAN
LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

APPLICANT:

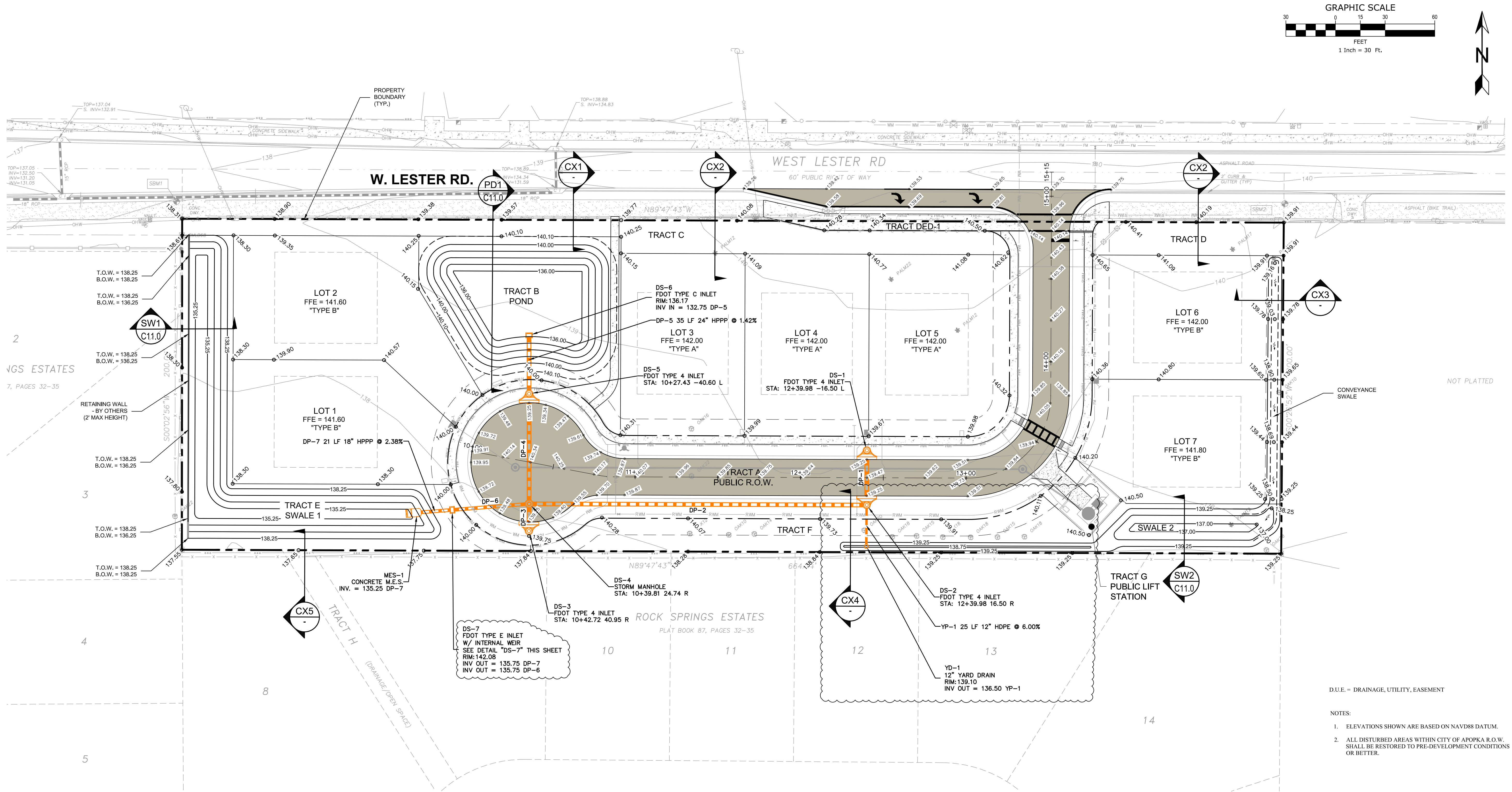
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

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JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

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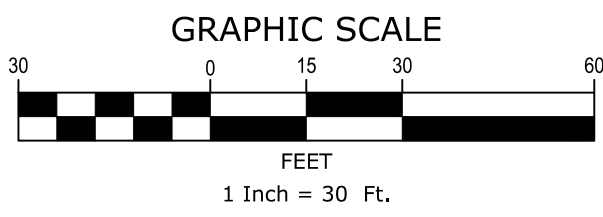
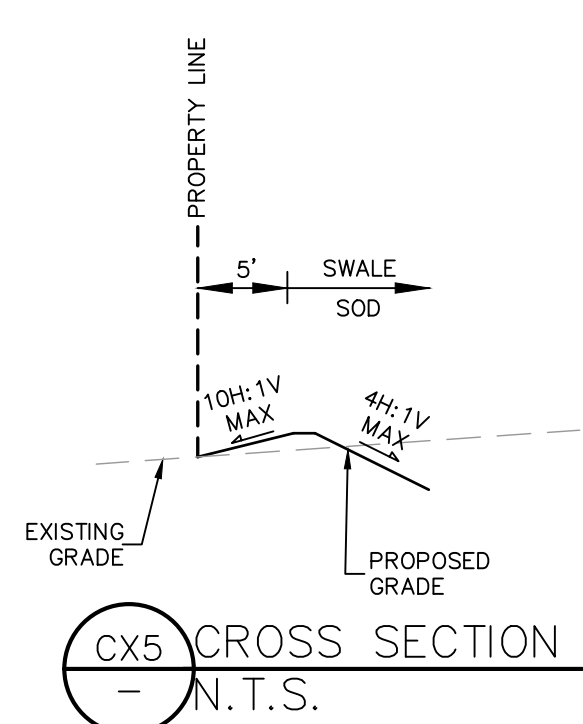
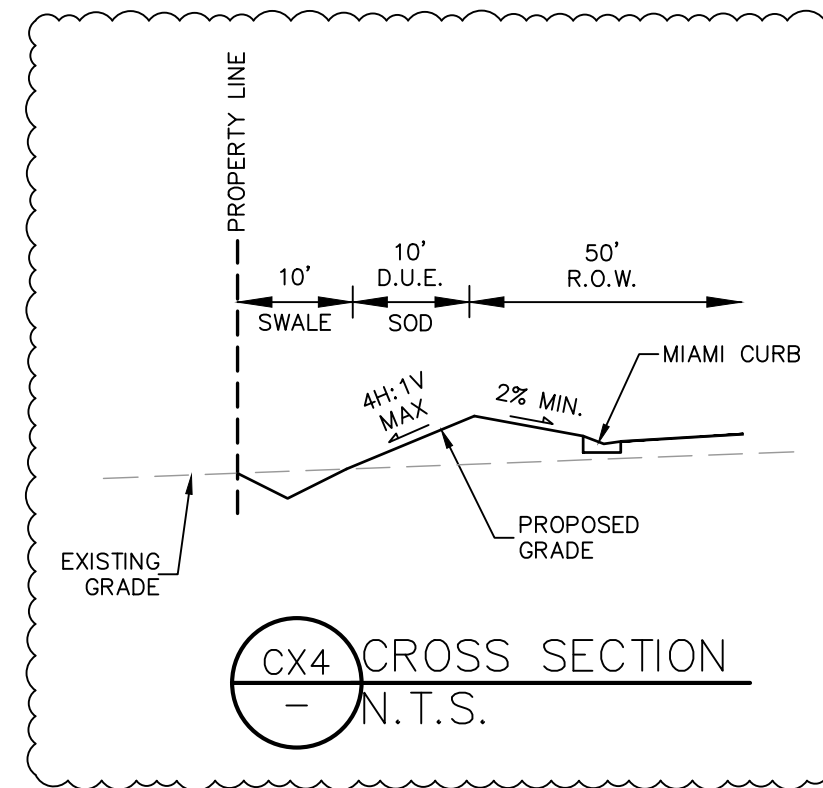
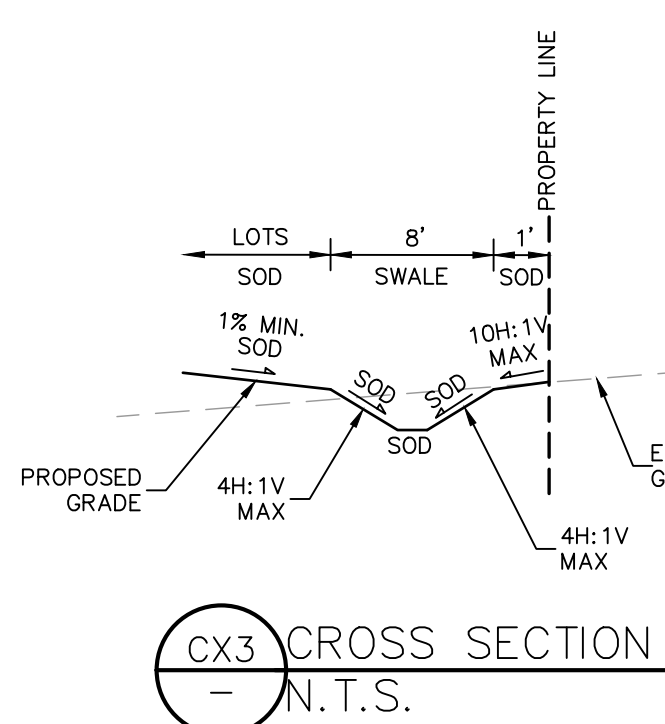
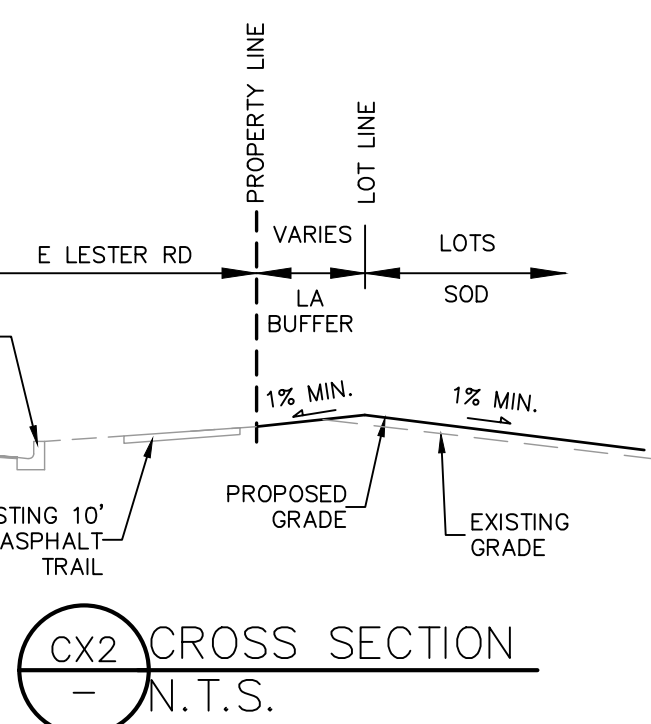
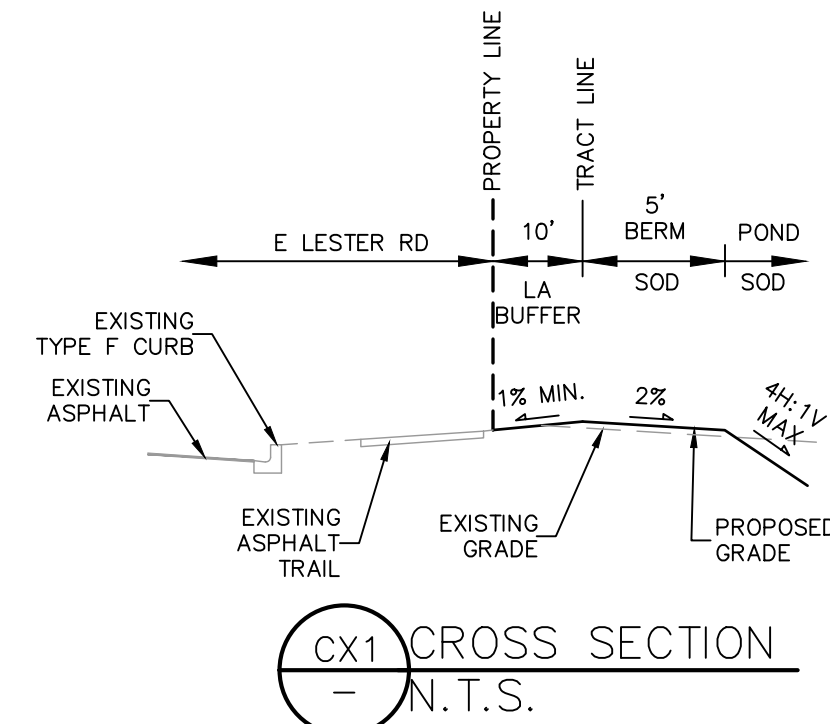
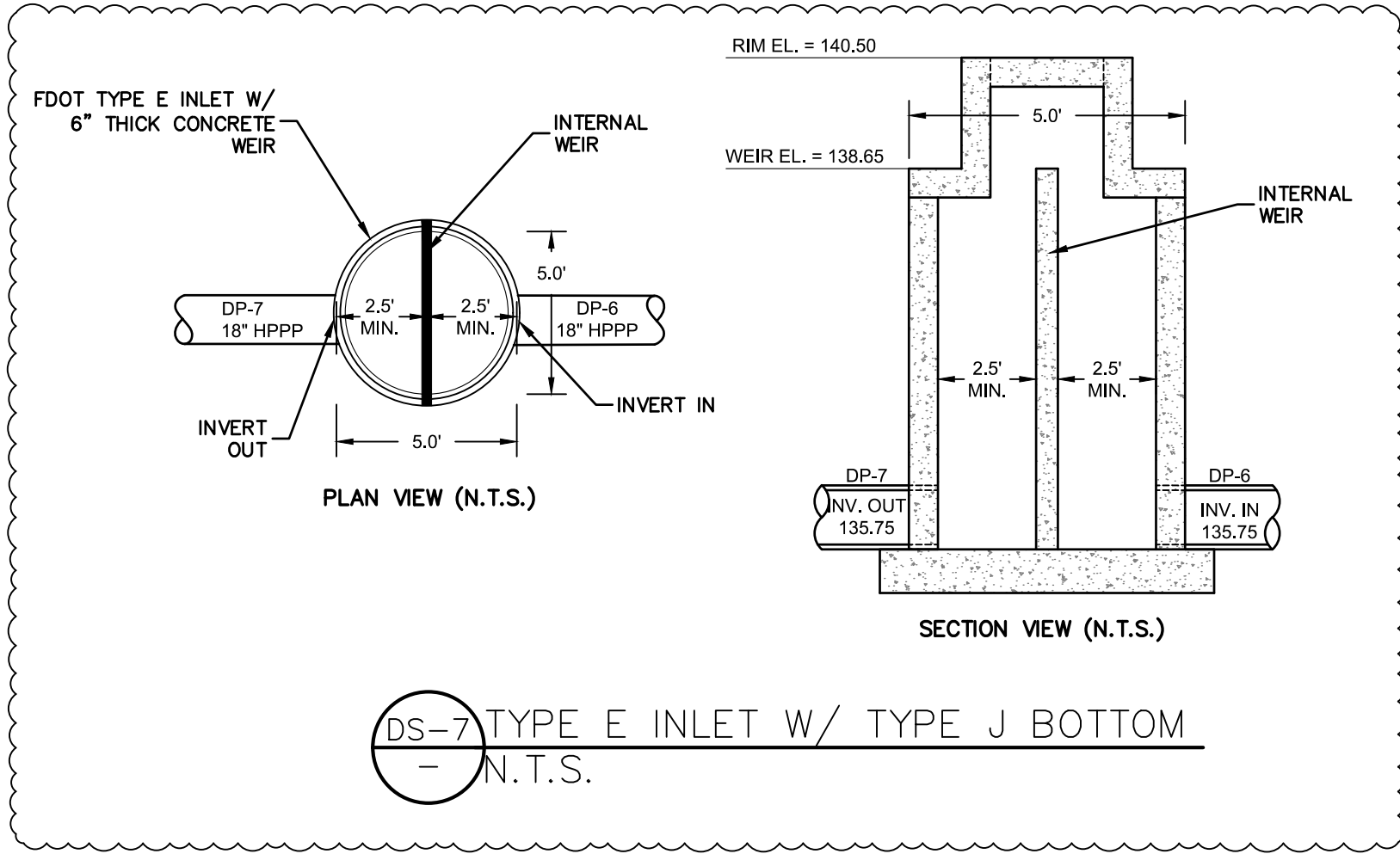
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D.U.E. = DRAINAGE, UTILITY, EASEMENT

NOTES:

- ELEVATIONS SHOWN ARE BASED ON NAVD83 DATUM.
- ALL DISTURBED AREAS WITHIN CITY OF APOPKA R.O.W. SHALL BE RESTORED TO PRE-DEVELOPMENT CONDITIONS OR BETTER.



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DRAINAGE AND GRADING PLAN

LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

APPLICANT:

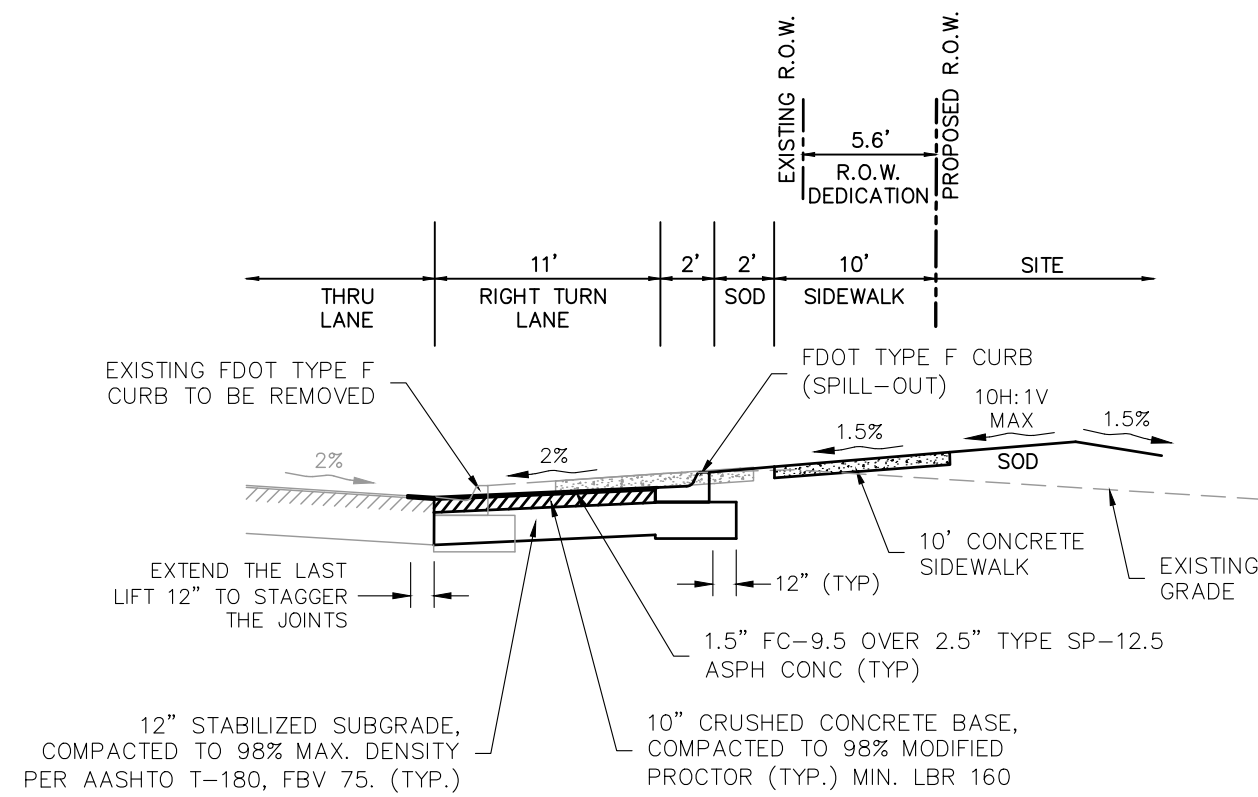
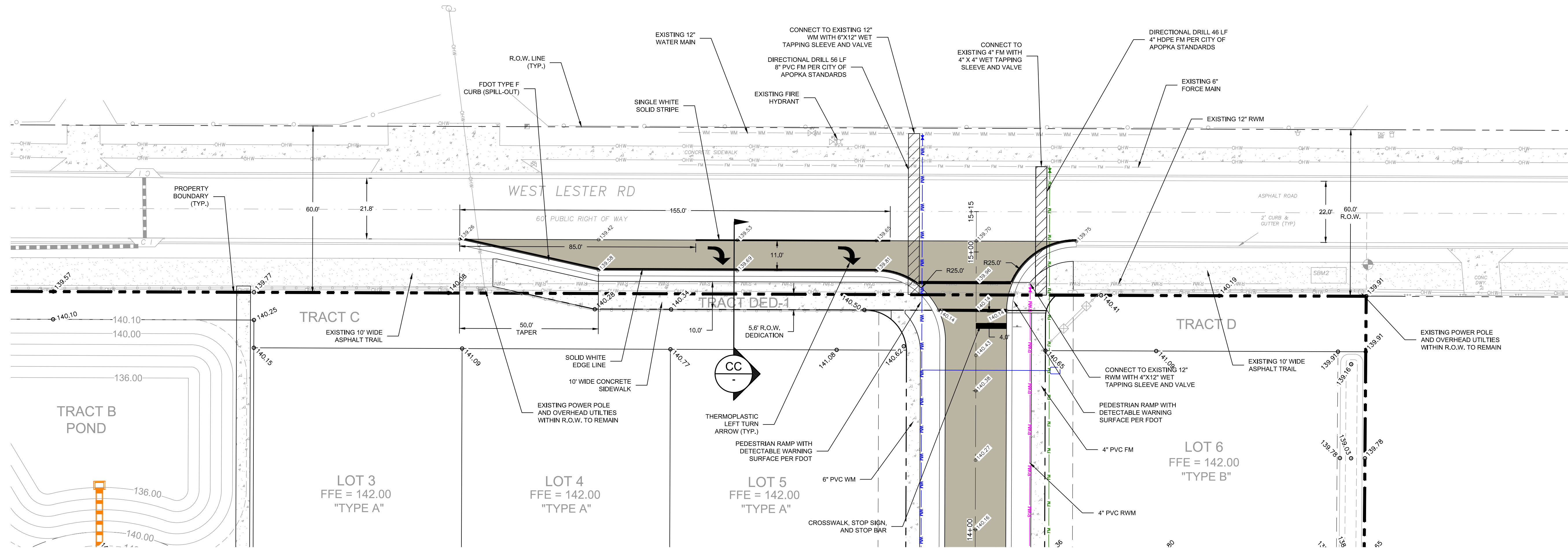
CHRIS WILLIAMS
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APPROVED BY: TRF

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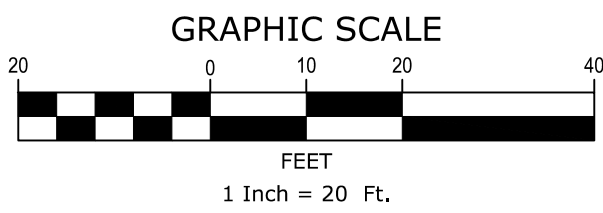


NOTE: IF THE EXISTING PAVEMENT SECTION EXCEEDS THE PROPOSED PAVEMENT THICKNESS ABOVE, THE PROPOSED PAVEMENT SECTION SHALL BE INCREASED TO MATCH THE EXISTING THICKNESS.

TL1 RIGHT TURN LANE SECTION
N.T.S.

NOTES:

- ALL CONSTRUCTION MATERIALS AND METHODS, SHALL MEET THE FDOT DESIGN STANDARDS PLANS (LATEST EDITION), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE UTILITY ACCOMMODATION MANUAL, (LATEST EDITIONS).
- ALL DISTURBED AREAS WITHIN CITY OF APOPKA RIGHT OF WAY SHALL BE GRADED AND SODDED WITH ARGENTINE BAHIA SOD.
- ALL STRIPING SHALL BE LEAD-FREE THERMOPLASTIC.
- ALL MAINTENANCE OF TRAFFIC SHALL ADHERE TO THE REQUIREMENTS OF THE FDOT DESIGN STANDARDS PLAN 102-#00 INDEXES.
- ALL STRIPING PER FDOT STANDARDS PLAN INDEX 711-001
- EXISTING UTILITIES AT POINTS OF CONFLICT SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION, NOTIFY ENGINEER IF EXISTING CONDITIONS DIFFER FROM PLANS.
- ELEVATIONS ARE BASED ON NAVD88 DATUM.
- CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR ANY EXISTING UTILITIES TO BE RELOCATED, AS NECESSARY.
- HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICANS WITH DISABILITY ACT (ADA) AND ARE REQUIRED TO MEET FDOT DESIGN STANDARDS.



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FABER ENGINEERING, INC.

PLAN AND PROFILE

LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

APPLICANT:

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV# DATE

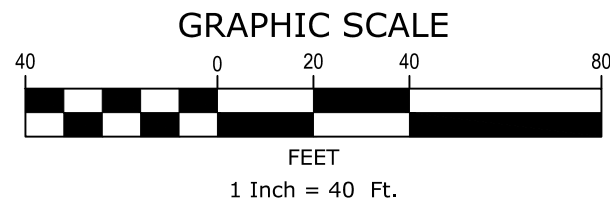
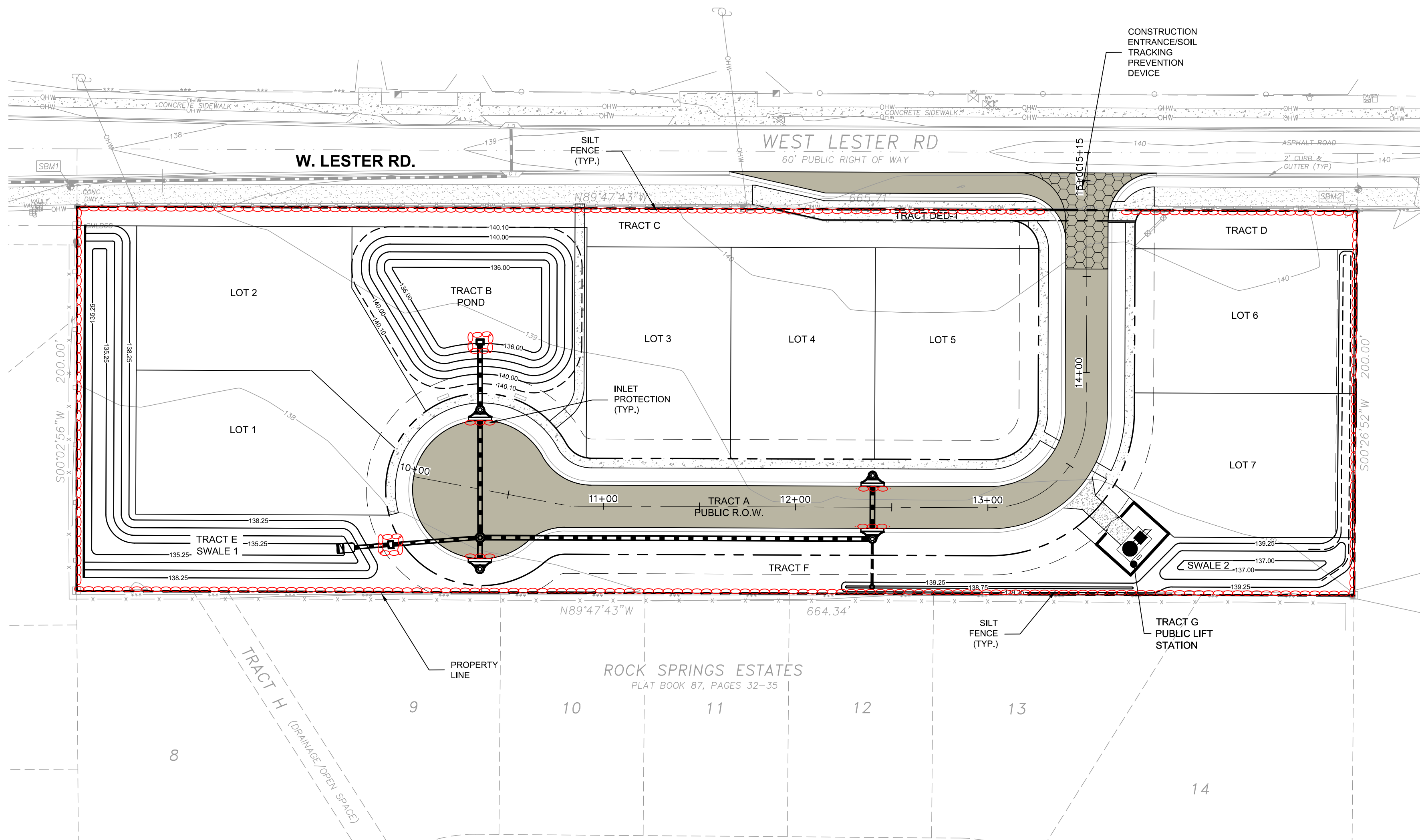
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REVISOR COMMENTS

JOB #: 25021
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DESIGNED BY: TRF
APPROVED BY: TRF

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STORMWATER POLLUTION PREVENTION NOTES:

1. THE CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY OF GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGHOUT THE ENTIRETY OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.
2. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
3. THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE CONTROLLED, SO THAT THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
4. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
5. AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDING WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE.
6. THE SEEDING OR SEEDING AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
7. IF AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.
8. ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
9. ALL DISTURBED AREAS OUTSIDE THE EXCAVATION AND FILL LIMITS WILL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASSES OR VEGETATION AND RETENTION/DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE CITY/COUNTY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLACE ANY PORTION WHICH, IN THE OPINION OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR DUE TO CARELESSNESS OR NEGLIGENCE ON THE PART OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO CONTROL EROSION AND SEDIMENT RUNOFF FROM THE SITE DURING CONSTRUCTION. SUCH METHODS SHALL BE IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
13. ABSOLUTELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR DESIGNATED WETLAND AREA UNLESS SO SPECIFICALLY DESCRIBED BY THE PLANS AND GRANTED BY PERMIT FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER SAID AREA.
14. PRIOR TO CLEARING AND GRUBBING, THE LIMITS OF WETLANDS, BUFFERS WETLANDS, BUFFERS AND MITIGATION AREAS SHALL BE CLEARLY MARKED ALONG THE PROPOSED RIGHT OF WAY LINE TO PROTECT THESE AREAS FROM ENCROACHMENT FROM CONSTRUCTION ACTIVITIES.
15. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN SECTION 104, F.D.O.T. STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION. SIDE SLOPE MAY BE SEED AND MULCHED, PROVIDED THAT THE MULCH MATERIAL IS DISC HARROWED AND THE SIDE SLOPES ARE NEITHER GREATER THAN 3:1 NOR PART OF A DRAINAGE CONVEYANCE.
16. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENT AND THE F.D.O.T. EROSION AND SEDIMENT CONTROL MANUAL (2013 ED.).
17. INSPECTIONS ON EROSION CONTROL MEASURES WILL BE PERFORMED BY THE CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS AFTER 1/2 INCH OF RAINFALL. THE INSPECTIONS MUST BE LOGGED BY THE CONTRACTOR AND KEPT WITH THE APPROVED PLANS AND SWPPP.
18. GRAVEL CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO MINIMIZE EXPORT OF ON-SITE DIRT. IF GRAVEL IS NOT ALLOWED, THE CONSTRUCTION ENTRANCES SHALL BE SWEEP PERIODICALLY AND LOGGED BY THE CONTRACTOR.
19. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT DUST FROM POLLUTING ADJACENT PROPERTIES.

EROSION CONTROL:

THE CONTRACTOR SHALL PERFORM EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND WATER MANAGEMENT DISTRICT STANDARDS, DETAILS CONTAINED IN THE PLANS, AND THE FOLLOWING NOTES AND AS DIRECTED BY THE ENGINEER.

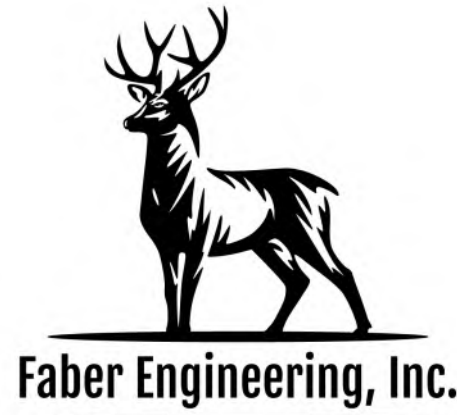
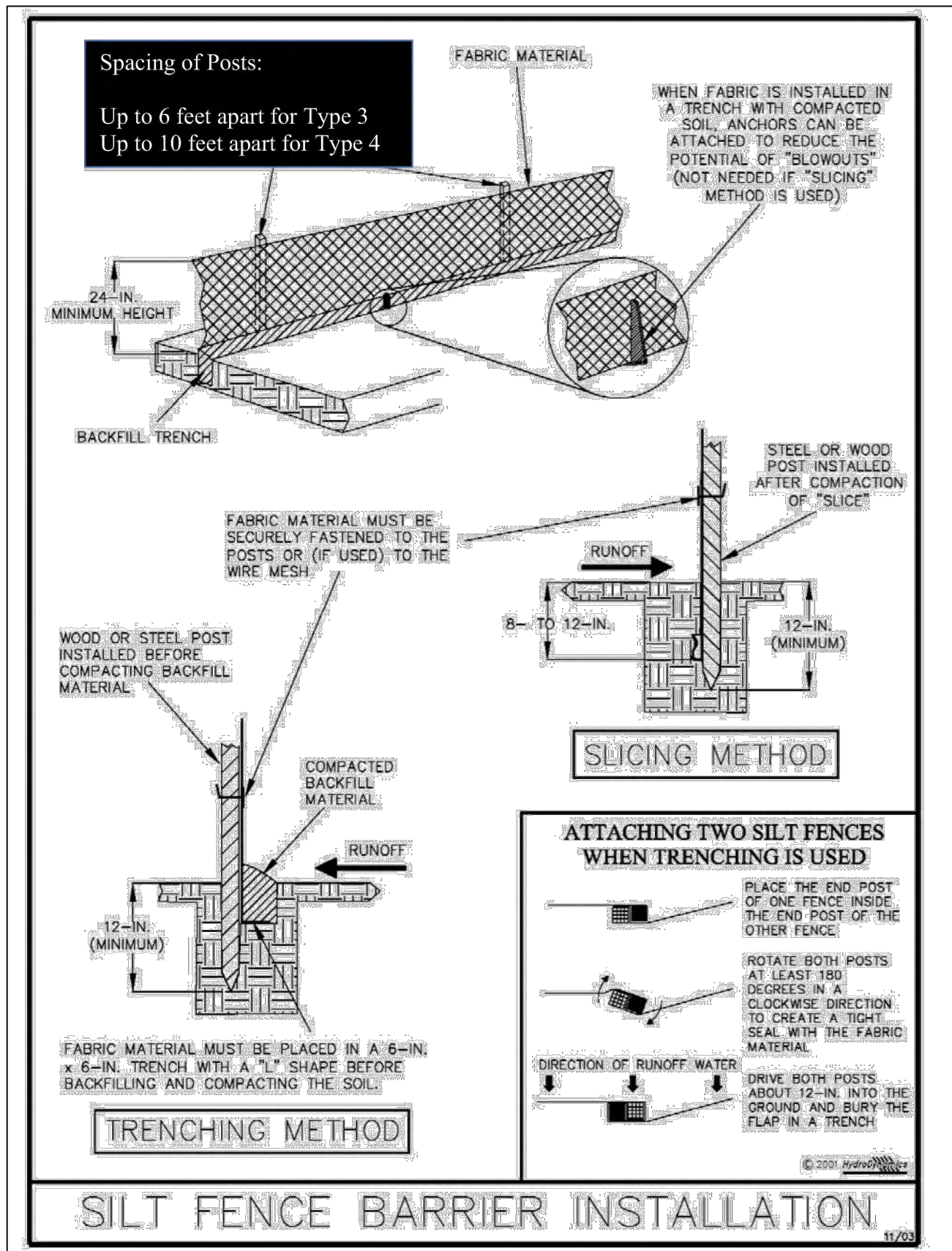
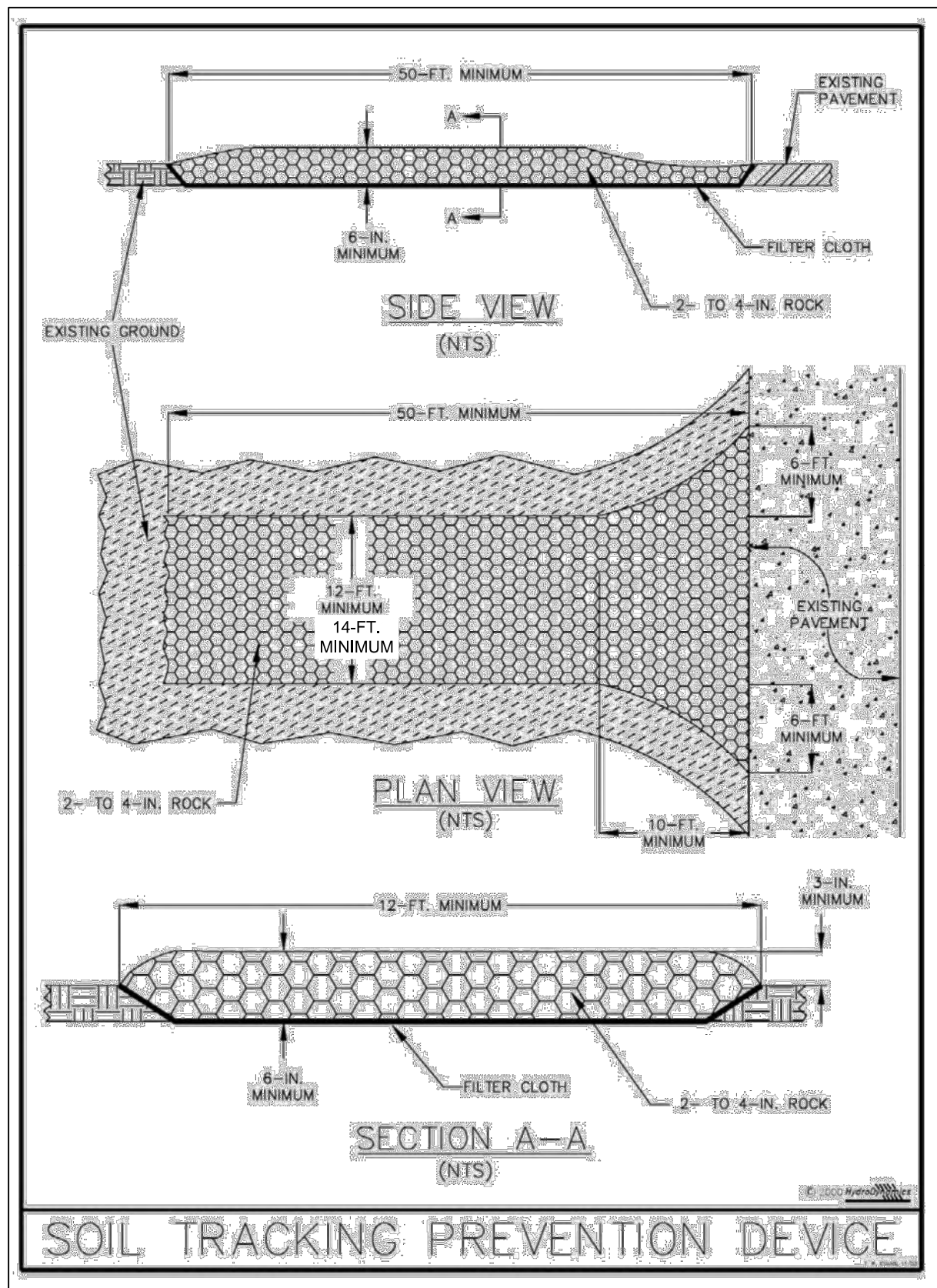
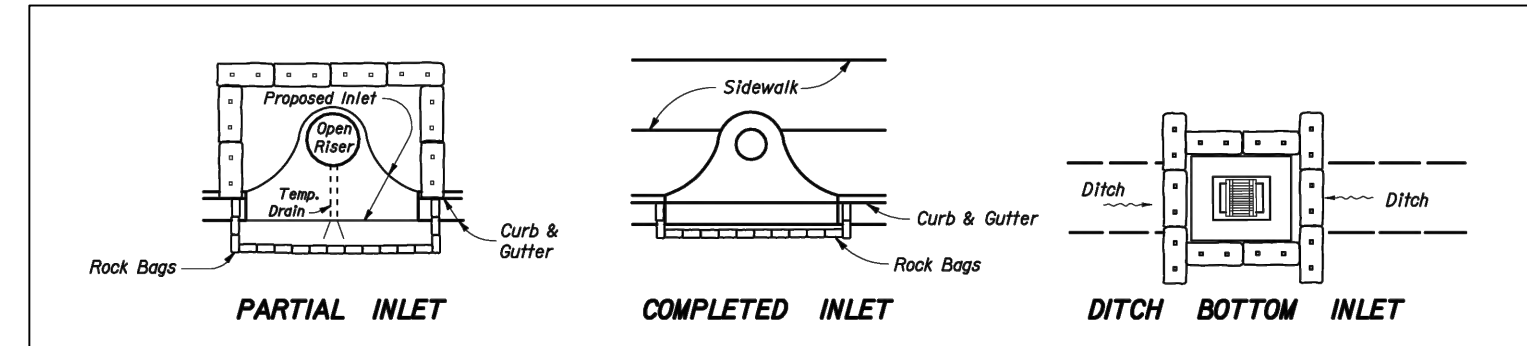
A. TEMPORARY EROSION CONTROL

1. STOCKPILING MATERIAL - NO EXCAVATING MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.
2. INLET PROTECTION - INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.
3. TEMPORARY SEEDING / STRIP SODDING - AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE STRIP-SODDED ALONG ALL DEDICATED ROWS. THIS WILL PREVENT SEDIMENT RUNOFF FROM INDIVIDUAL LOTS INTO THE ROW AND DRAINAGE SYSTEMS, AND WILL NOT LATER COMPETE WITH THE PERMANENT LOT GRASSING.
4. TEMPORARY SEEDING AND MULCHING - SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN NOTE 3 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDING AREA TO A DEPTH OF 4 INCHES.
5. TEMPORARY GRASSING - THE SEEDING OR THE SEEDING AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
6. TEMPORARY REGRASSING - IF AFTER FOURTEEN DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.
7. THE CONTRACTOR SHALL PLACE SYNTHETIC HAY BALES AROUND ALL EXISTING AND NEWLY CONSTRUCTED INLETS TO CONTROL EROSION DURING CONSTRUCTION. NATURAL HAY BALES ARE NOT ALLOWED.
8. MAINTENANCE - ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

B. PERMANENT EROSION CONTROL

THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON OFF-SITE FACILITIES. ALL STORMWATER DISCHARGE FROM THE PROJECT LIMITS SHALL BE ROUTED THROUGH DETENTION BASINS TO TRAP SUSPENDED SEDIMENTS AND DISCHARGE FACILITIES FROM THESE BASINS SHALL BE PROVIDED WITH A SKIMMER DEVICE TO TRAP FLOATABLE DEBRIS.

1. PERMANENT SEEDING - ALL AREAS WHICH HAVE BEEN DISTURBED BY THE CONSTRUCTION WILL, AT A MINIMUM, BE FERTILIZED AND SEEDDED.
2. PERMANENT SEEDING AND MULCHING - SLOPES OF 6:1 TO 4:1 INCLUSIVE WILL BE MULCHED WITH A UNIFORM THICKNESS OF APPROXIMATELY TWO INCHES, LOOSE MEASURE, OF MULCH MATERIAL INCORPORATED INTO THE SOIL BY MIXING TO A DEPTH OF FOUR INCHES.
3. PERMANENT SODDING - ALL RETENTION/DETENTION BASINS SHALL BE SODDED WITHIN THEIR LIMITS. ALL EXPOSED AREAS WITHIN PUBLIC RIGHT-OF-WAYS WILL BE SODDED. ANY AREAS WITH SLOPES STEEPER THAN 4:1 WILL BE SODDED.
4. STRIP SODDING - STRIP SOD SHALL BE PLACED ADJACENT TO ALL CURBS, WALKS AND PAVEMENTS.
5. REGRASSING - ALL GRASSED AREAS WILL BE MAINTAINED TO ASSURE A GOOD STAND AND SUFFICIENT GROUND COVER TO MINIMIZE EROSION. IF, AFTER 60 DAYS, ADEQUATE GROUND COVER HAS NOT BEEN ESTABLISHED, THE AREA WILL BE REGRASSED.
6. ADDITIONAL FERTILIZATION - GRASSED AREAS NOT ACCEPTED WITHIN 90 DAYS OF THEIR COMPLETION SHALL BE FERTILIZED.
7. FOR ADDITIONAL SODDING REQUIREMENTS, REFER TO THE LANDSCAPE PLANS.
8. FERTILIZATION TO COMPLY WITH LOCAL JURISDICTIONAL REQUIREMENTS.



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EROSION CONTROL PLAN

LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

APPLICANT:

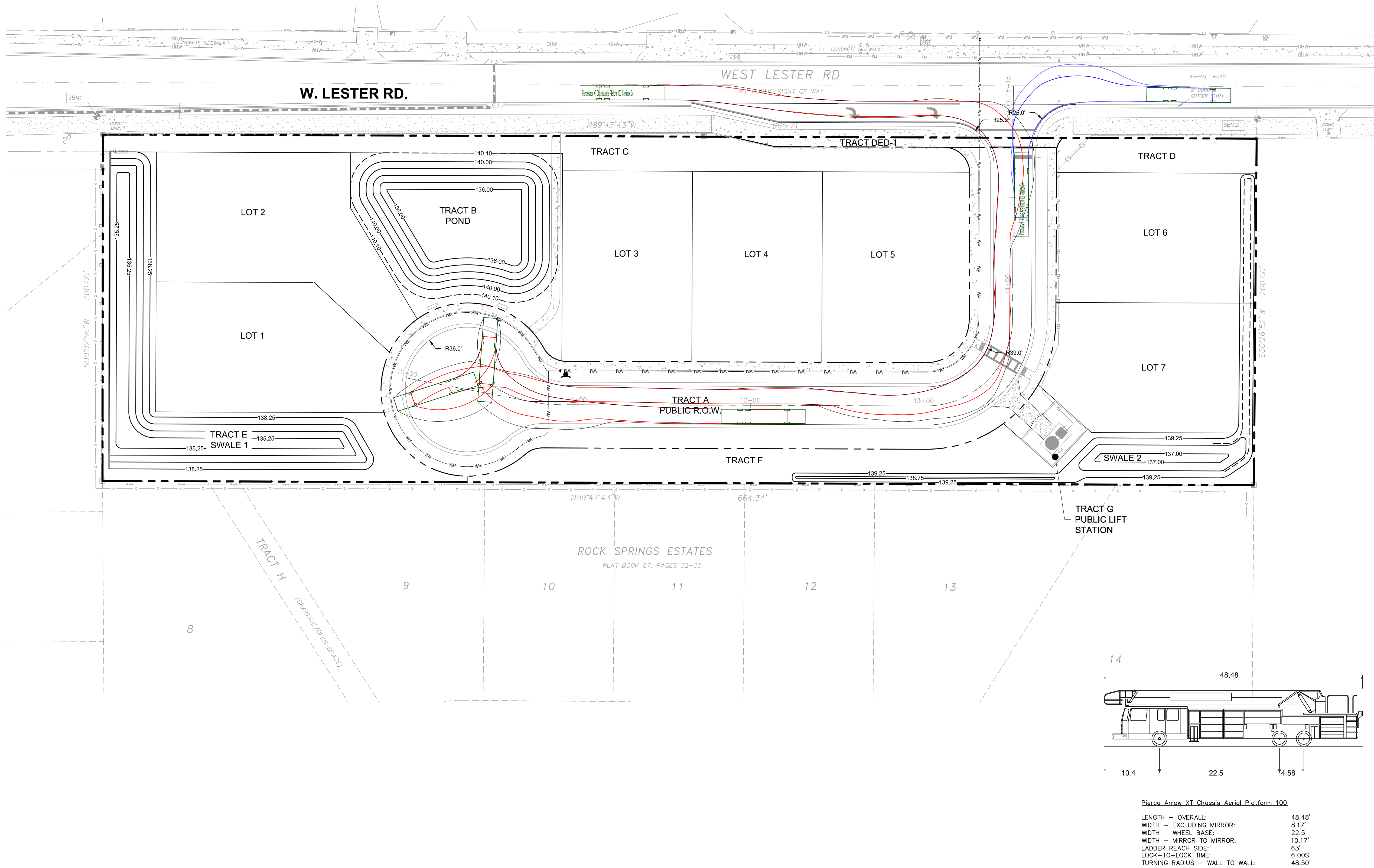
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV# DATE 07/20/26 REVISION PER CITY AND SURVIVOR COMMENTS

JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

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FIRE TRUCK VEHICLE PROFILE
N.T.S.

Faber Engineering, Inc.
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SEAL:

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FABER ENGINEERING, INC.
REGISTRY #26498

FIRE TRUCK CIRCULATION PLAN
LESTER OAKS
APOPKA, FL

PROJECT PHASE::
CONSTRUCTION PLANS

APPLICANT:
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

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GENERAL NOTES

- Governing standards and specifications on this project are considered the Florida Department of Transportation (FDOT) Design Standards (2013 Edition), FDOT Standard Specifications for Road and Bridge Construction (2013 Edition), and City of Apopka Utilities Design and Construction Standards Manual (2014 Edition).
- All personal property, except mail boxes located within the public right-of-way (not relocated by the property owner), shall be removed by the Contractor as necessary to construct the project in accordance with the Construction Plans. Mail boxes shall be relocated by the Contractor in accordance with FDOT Index No. 532.
- The disposal of excess earthwork materials shall be the responsibility of the Contractor. Approval of disposal sites shall be obtained from the City of Apopka prior to disposal.
- All existing trees and stumps within the right-of-way and limit of the project are to be removed as clearing and grubbing unless otherwise directed.
- Seed and mulch all disturbed areas not covered by sod unless otherwise directed.
- All pavement offsets shown are to the proposed centerline of construction, as where radius dimensions are to the edge of pavement, unless otherwise noted.
- Turnout locations and widths shown in the Construction Plans are approximate and may be adjusted as necessary or as directed by the Engineer. All turnouts shall be constructed in accordance with FDOT Index No. 515.
- The various permits included in the bid specifications payment are included in the bid price for Section 104. The Contractor shall perform his work in accordance with the requirements of "Prevention, Control, and Abatement of Erosion and Water Pollution", excluding items specified elsewhere. Environmental controls shall be used at locations designated in the plans and/or designated by the Engineer.
- The information shown on these drawings concerning type and location of underground and other utilities are based on available records and surveys, but is not guaranteed to be accurate or all inclusive. The Contractor shall make his own determination as to the type and location of utilities as may be necessary to avoid damage there to, and is responsible for coordinating utility relocation.
- Prior to ordering drainage structures, the Contractor shall determine if drainage utility conflicts exist. Information about possible conflicts shall be submitted to the Engineer as soon as possible after discovery of such for resolution.
- The Contractor shall notify all gas utility companies a minimum of two working days prior to excavation as required by Chapter 77-153 of the Florida Statutes.
- All inlet/manhole - pipe joints shall be filled with non-shrink grout, covered with an asphaltic mastic coating, and wrapped with a filter fabric material per Section 13.03.03 of the Orange County Road Construction Specifications.
- All curb inlets, ditch bottom inlets, and manholes shall have traffic bearing frames and covers or grates meeting AASHTO-20 loading requirements.
- Changes of pipe inverts not exceeding plus or minus one foot will not be considered as a basis for additional compensation for the pertinent pipe bid item or for modification of precast structures.
- All benchmarks (irons and monuments) shown in the Construction Plans, or found, shall be preserved. Those shown in proposed pavement shall be protected with a cast iron valve box.
- Public land corners within the limits of construction shall be protected. If a corner monument is in danger of being destroyed or disturbed, the Contractor shall notify the Engineer, without delay, by telephone. The Contractor shall provide written follow up confirmation within 48-hours of telephone notification.
- Prior to beginning of any construction, the Contractor shall submit to the Engineer a set of field notes verifying the benchmark elevations and the reference point connections on the plan and profile view sheets, and/or a set of field notes for all additional benchmark and reference point connections proposed to be used in constructing the project with their location, description and elevation, based on North American Vertical Datum (NAVD88). All submittals shall be signed and sealed by a Professional Land Surveyor registered in the State of Florida.
- Within 21 calendar days after notice to proceed, the Contractor shall stake the public right-of-way at 50 foot intervals and the right-of-way breaks with corresponding stations shown on the stakes. No invoice for payment for mobilization (Pay Item No. 101-1) will be processed until the right-of-way has been staked to the satisfaction of the Engineer.
- Any United States Code (USC) and National Geodetic Survey (NGS) monuments within the limits of construction shall be protected. If in danger of damage, the Contractor shall notify the Engineer, and both shall notify:
State Geodetic Advisor, NOAA
3900 Commonwealth Blvd. - MS105
Tallahassee, FL Phone (850) 245-2606
- It shall be the responsibility of the Contractor to acquire all necessary right-of-way and maintenance of traffic permits. The City will waive all permits required for construction activities within the limits of public right-of-way owned and maintained by the City of Apopka. For construction activity within the limits of public right-of-way maintained by the City but owned by Orange County or the State of Florida, the Contractor shall acquire the required permits from the agencies. It shall be the responsibility of the Contractor to insure that all required permits are obtained and in-hand before beginning any construction.
- The location of all existing utilities, storm drainage systems, and topographic features shown on the plans have been determined from the best available information and are provided for the convenience of the Contractor. The Engineer assumes no responsibility for their inaccuracy. Should a discrepancy arise between these plans and actual field conditions, which would appreciably affect the execution of these plans, the Contractor shall halt construction and notify the Engineer immediately.
- The Contractor shall be responsible for notifying the City within 48 hours before any inspections. Also, the Contractor shall be responsible for meeting all inspection criteria, schedules and signing said inspections.

- The Contractor shall not excavate, remove or otherwise disturb any material, structure or part of a structure which is located outside the lines, grades or grading section, established for this project, except where such excavations or removal is provided or in the Contract Construction Plans or Technical Specifications.
- All work and all materials furnished shall be in conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified in the Contract Construction Plans or Technical Specifications.
- All work shall be accomplished in strict accordance with all applicable federal, state and local codes, ordinances and regulations.
- Apparent errors, discrepancies or omissions in the Construction Plans shall be brought to the Engineer's attention before bidding.
- After completion of construction, the Contractor shall provide to the City a completed as-built plan one week prior to the final inspection. Before the final acceptance it shall be the Contractor's responsibility to perform a site cleanup for the removal of trash, debris, excess materials, and equipment to present the project site clean and in good order.
- No extra payments shall be allowed for any work required due to misunderstanding of job or site conditions affecting the work as described in the Technical Specifications or shown on the Construction Plans. The Contractor shall not take advantage of any apparent error or omission in the Construction Plans or Technical Specifications and the Engineer shall be permitted to make corrections and interpretation as may be deemed necessary for the fulfillment of the intent of the Contract Documents. By entering the bidding process the bidders acknowledge acceptance of these conditions.
- The Contractor shall submit four (4) sets of detailed shop drawings of all major items proposed for this project to the Engineer prior to ordering any of the equipment or material. Two (2) copies of the shop drawings will be returned to the Contractor. Upon the Contractor's receipt of approved shop drawings from the Engineer, the Contractor may proceed with the work.
- The Contractor shall comply with the legal load restrictions in hauling of materials in public roads beyond the limits of construction work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material and equipment.
- During construction, no direct discharge of water to downstream receiving waters will be allowed. The Contractor is responsible for maintaining water quality and route discharge water in such a manner as to adequately remove silt prior to runoff from the site.
- Connection to existing lines to which utility pipe of the Contract must connect, the following work shall be performed:
 - Expose buried lines to confirm or determine end connection, pipe material and diameter.
 - Furnishing and installing piping and making proper connections.

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. GN



Faber Engineering, Inc.

3165 MCCORMY PLACE, STE. 151
ORLANDO, FL 32803
(407) 595-1566

SEAL:

THOMAS FABER, P.E. #87427
REGISTERED PROFESSIONAL ENGINEER
FABER ENGINEERING, INC.

UTILITY DETAILS
LESTER OAKS
APOPKA, FL

PROJECT PHASE::
CONSTRUCTION PLANS

APPLICANT:

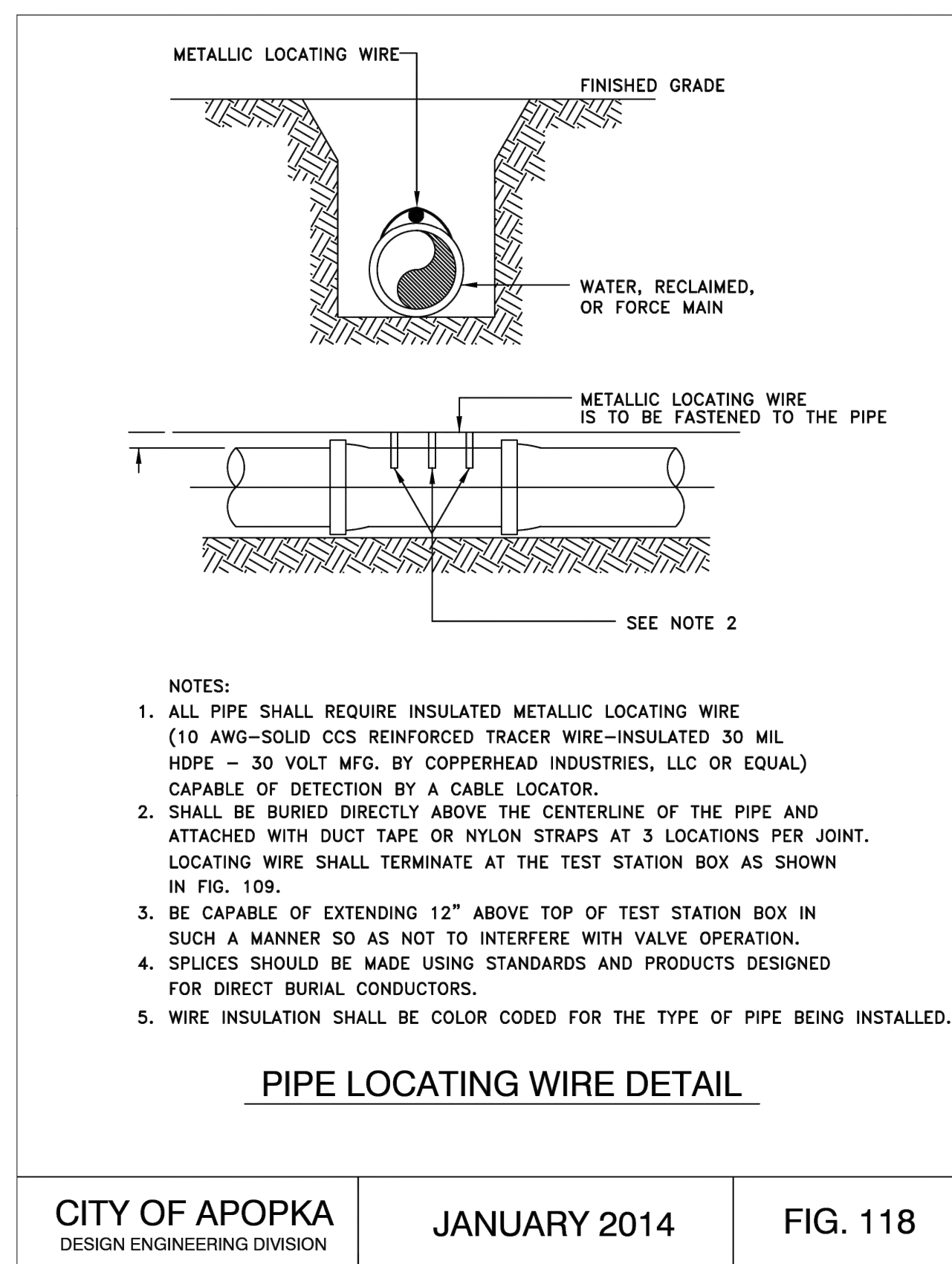
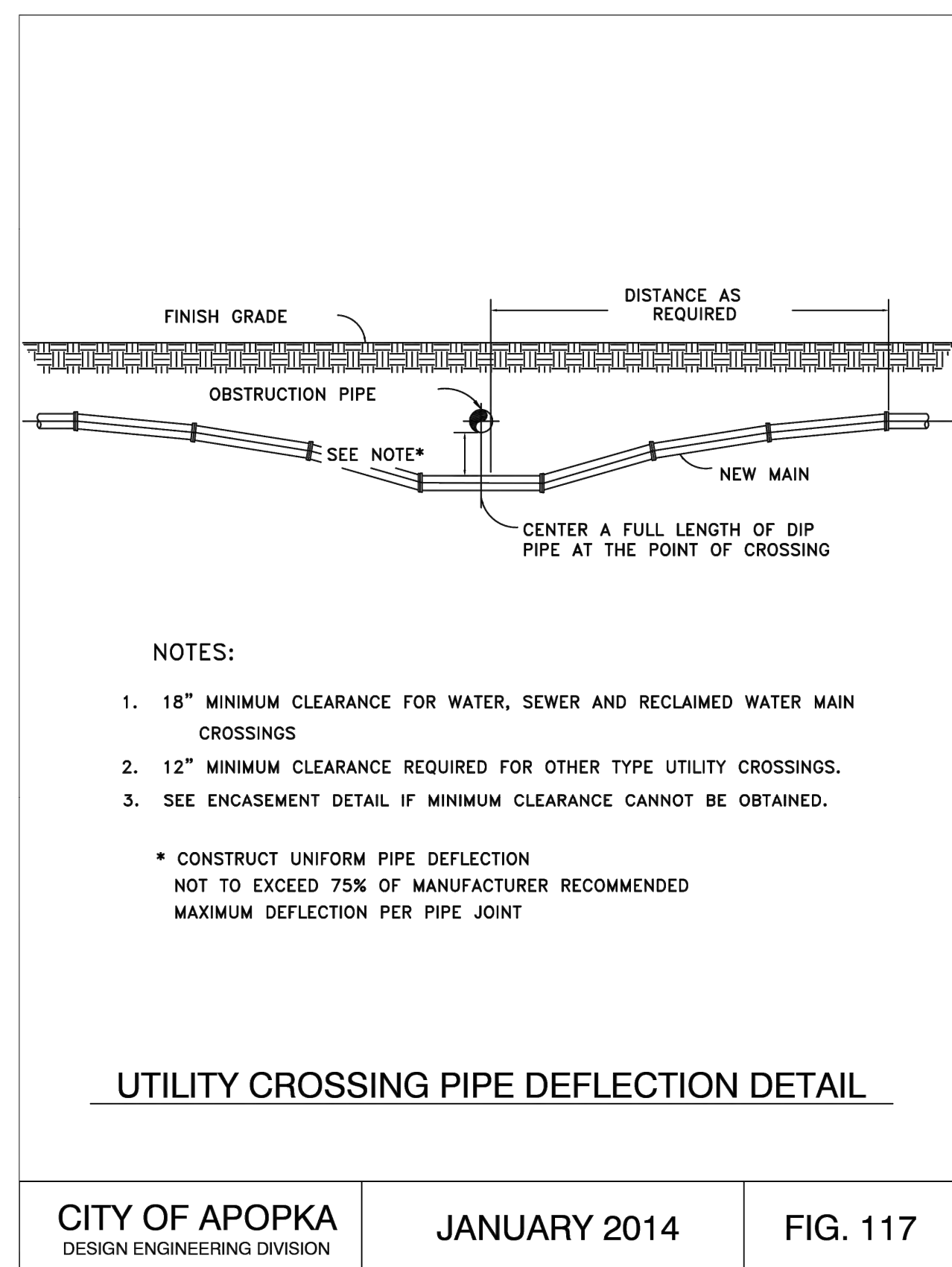
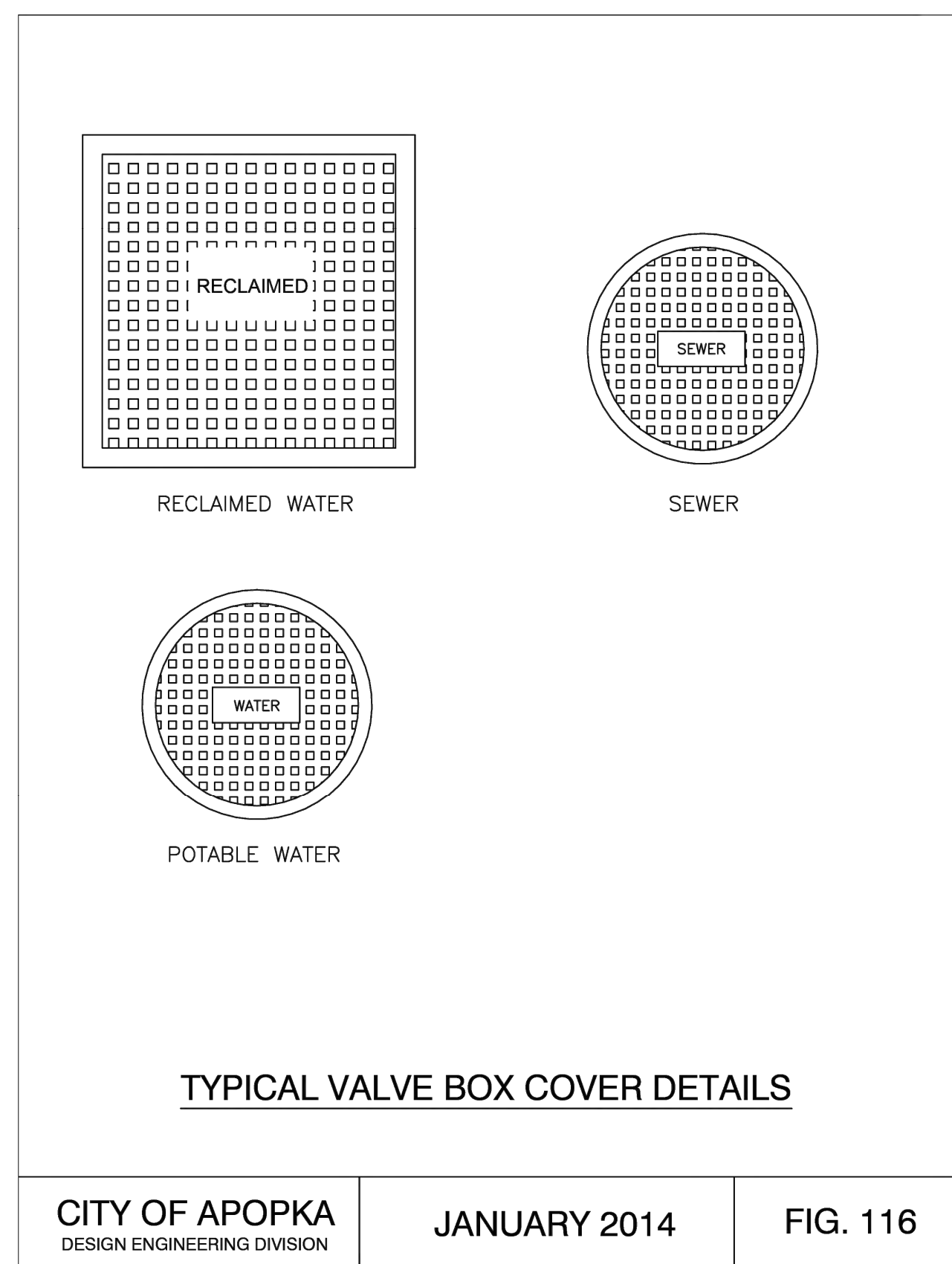
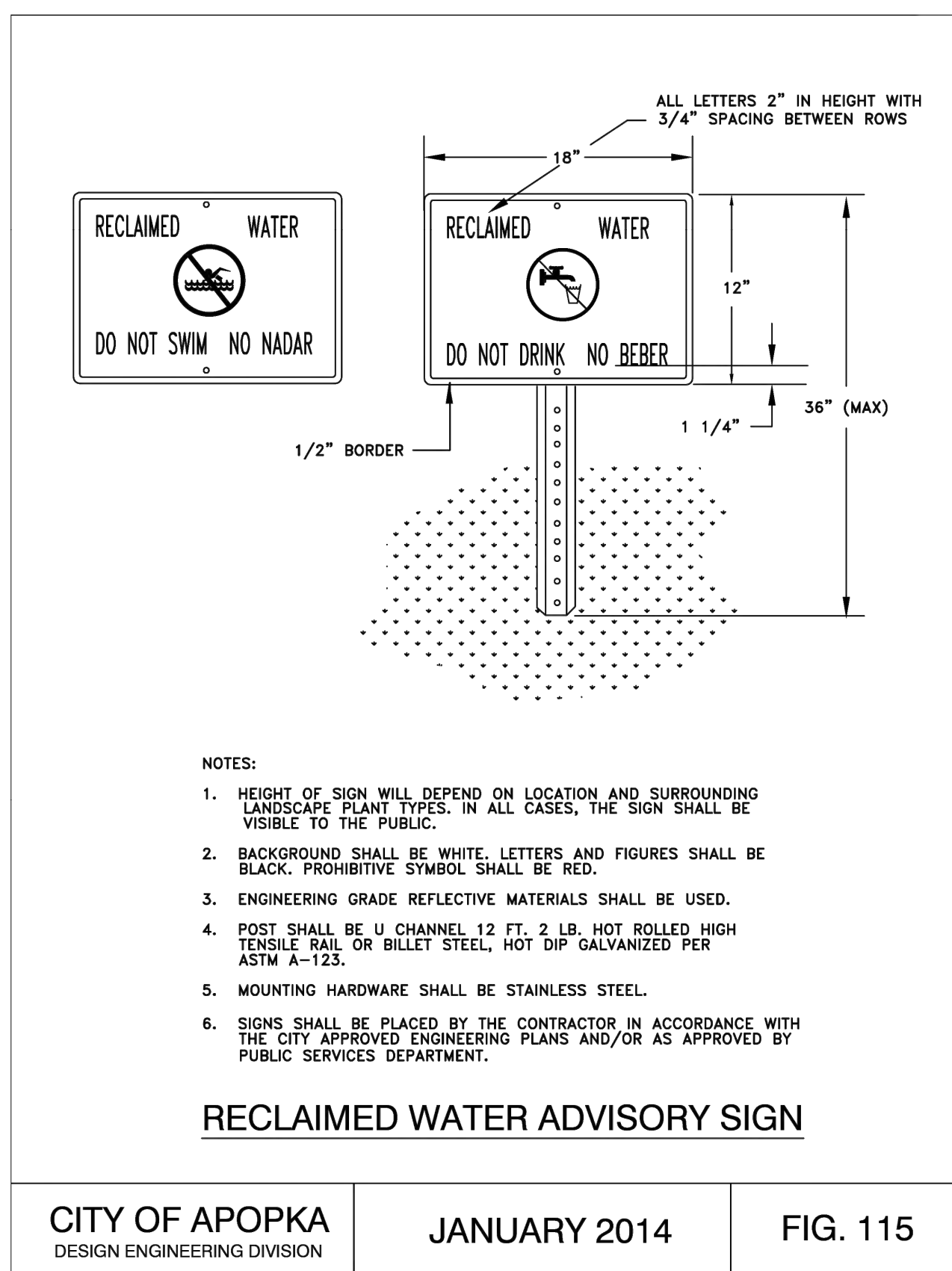
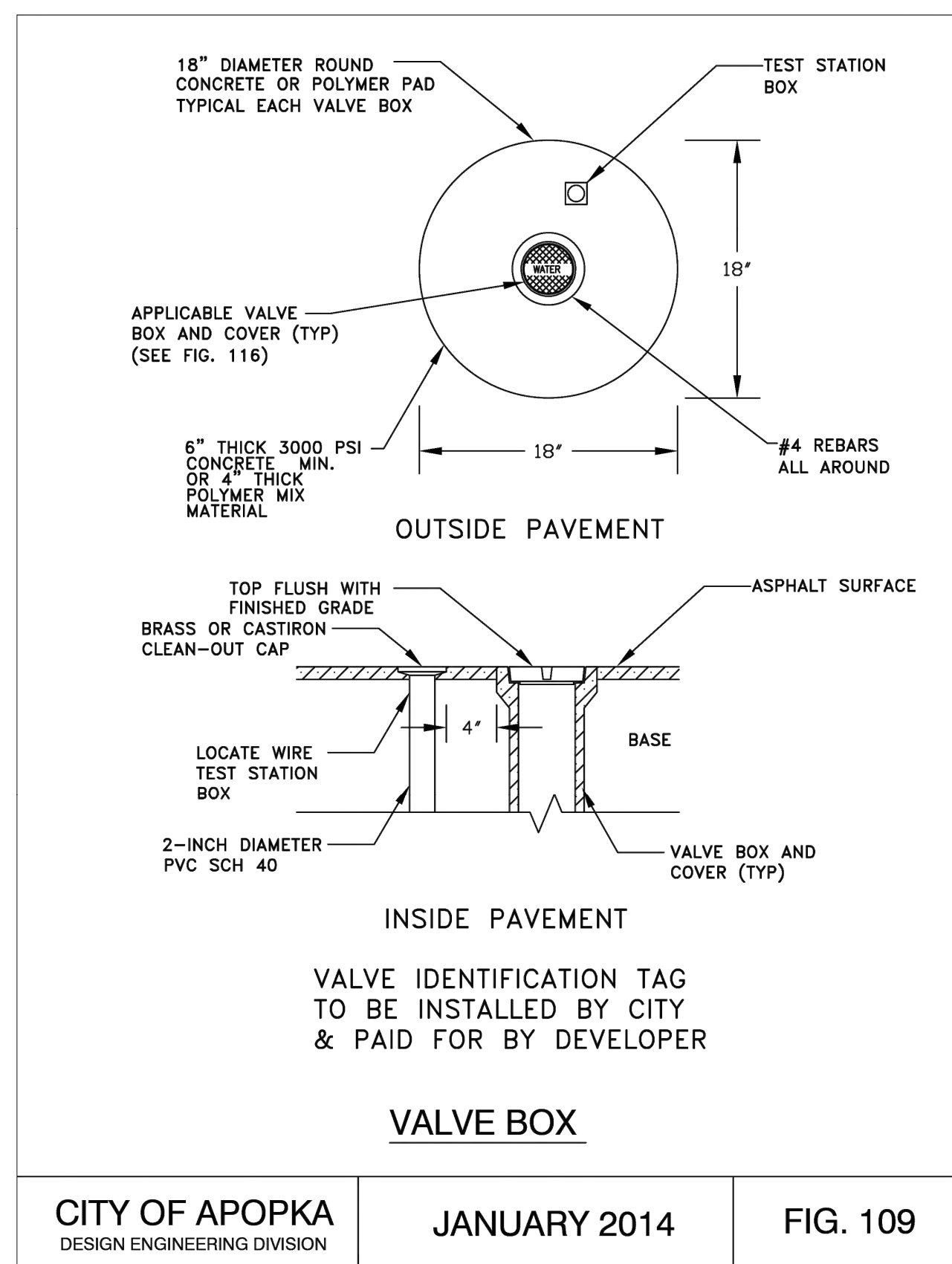
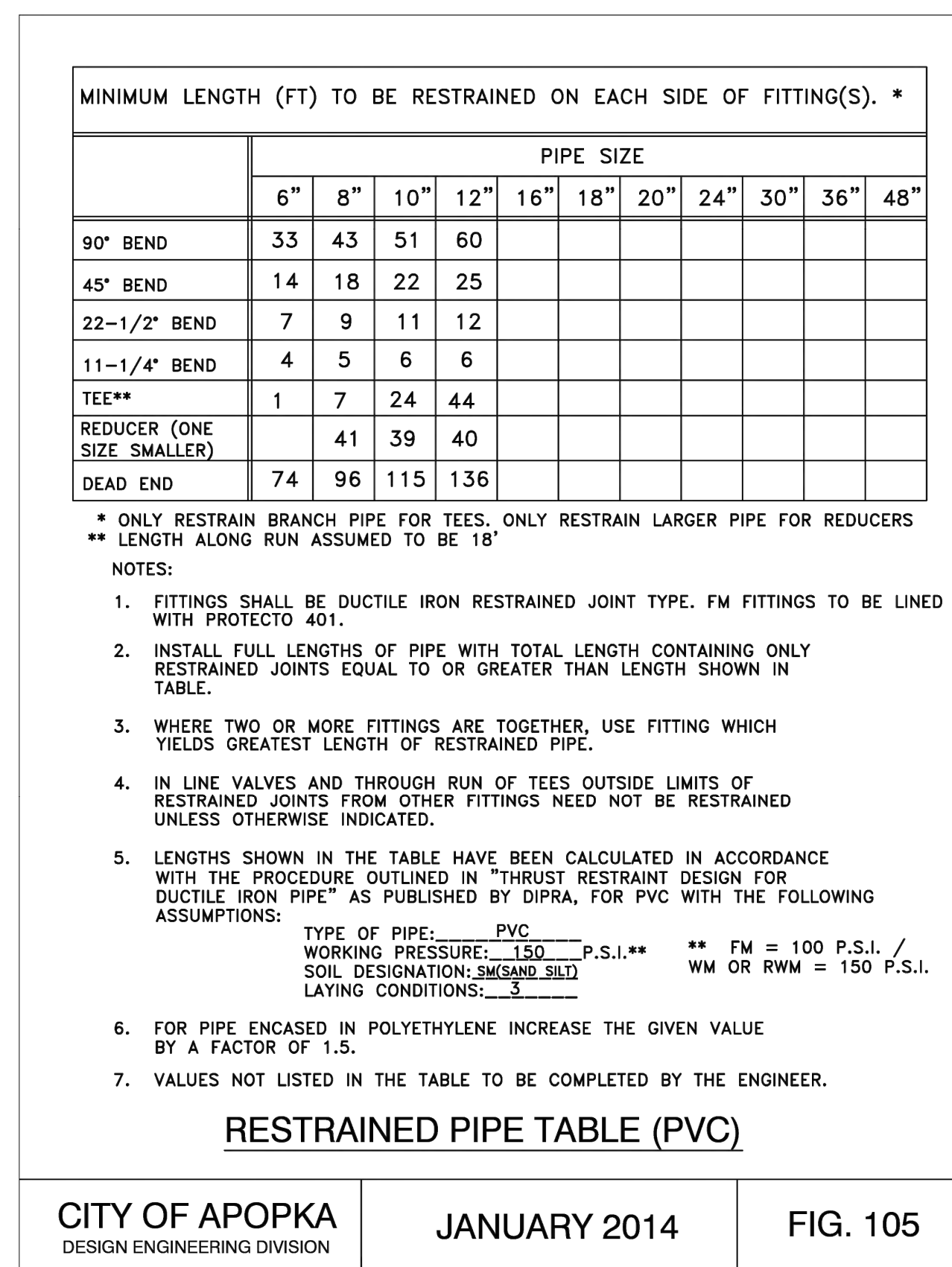
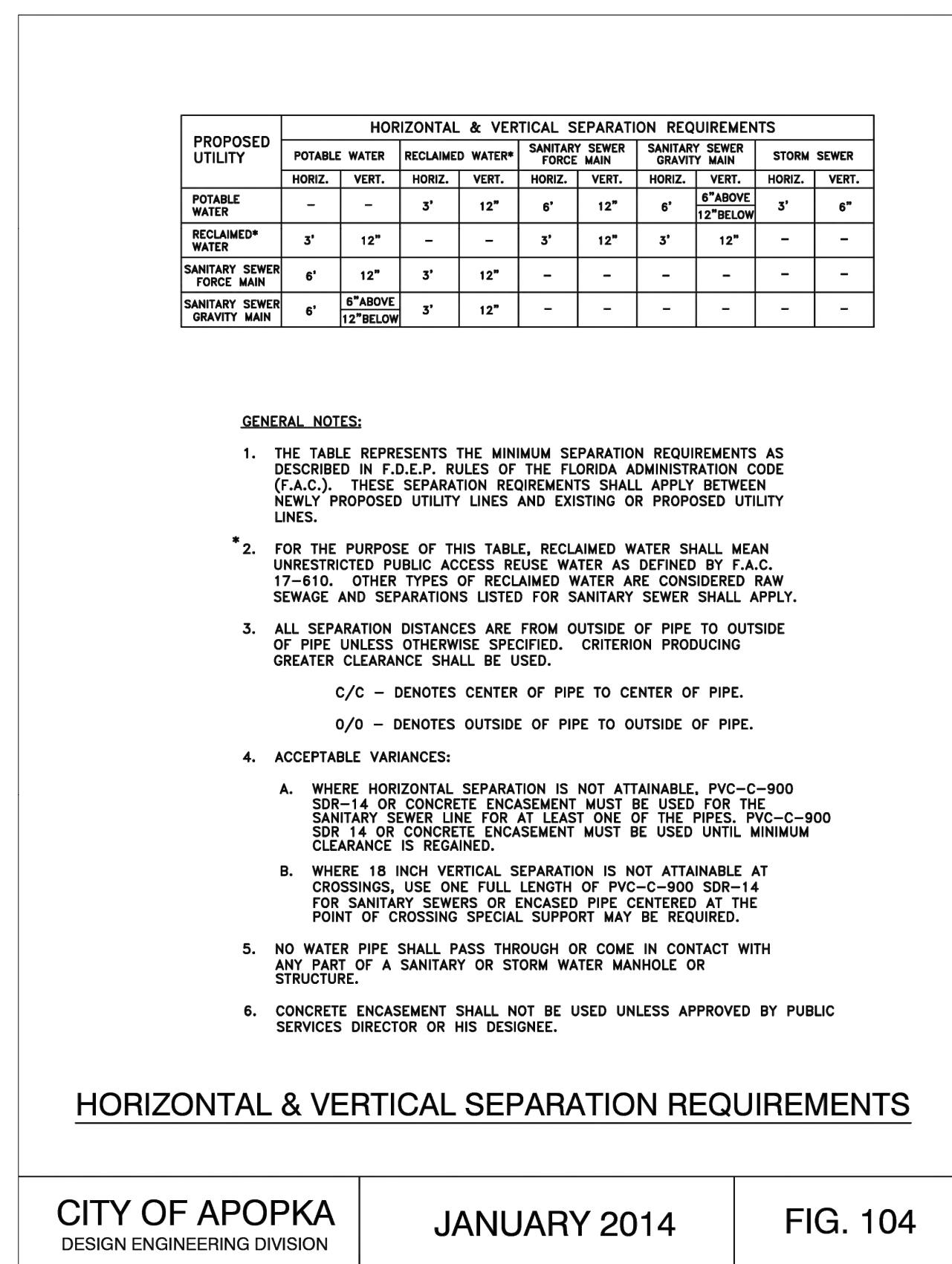
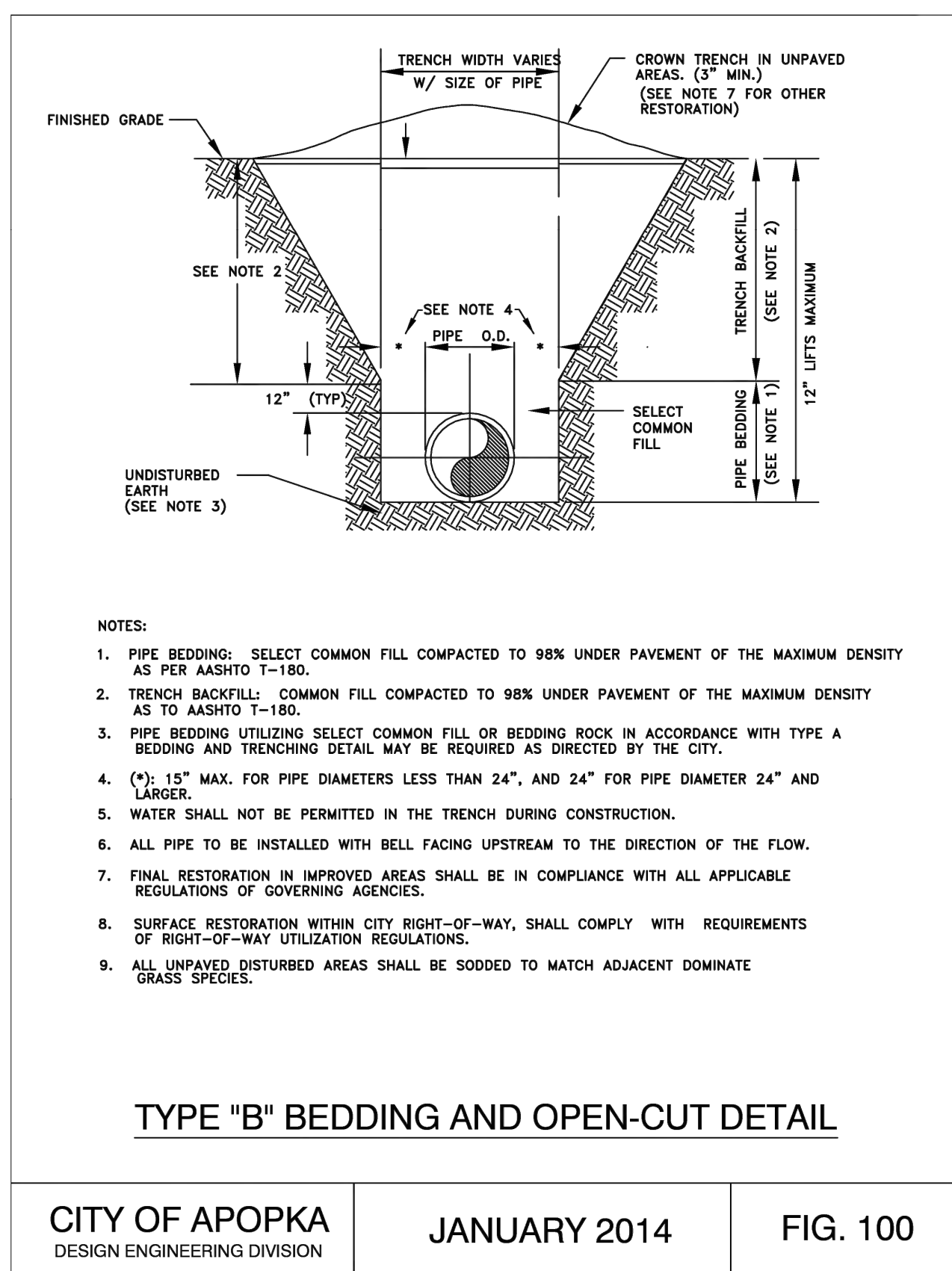
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

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JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

C12.0



Faber Engineering, Inc.
3165 MCCRORY PLACE, STE. 151
ORLANDO, FL 32803
(407) 595-1566

SEAL

THOMAS FABER, P.E. #87427

UTILITY DETAILS

LESTER OAKS
APOPKA, FL

PROJECT PHASE::
CONSTRUCTION PLANS

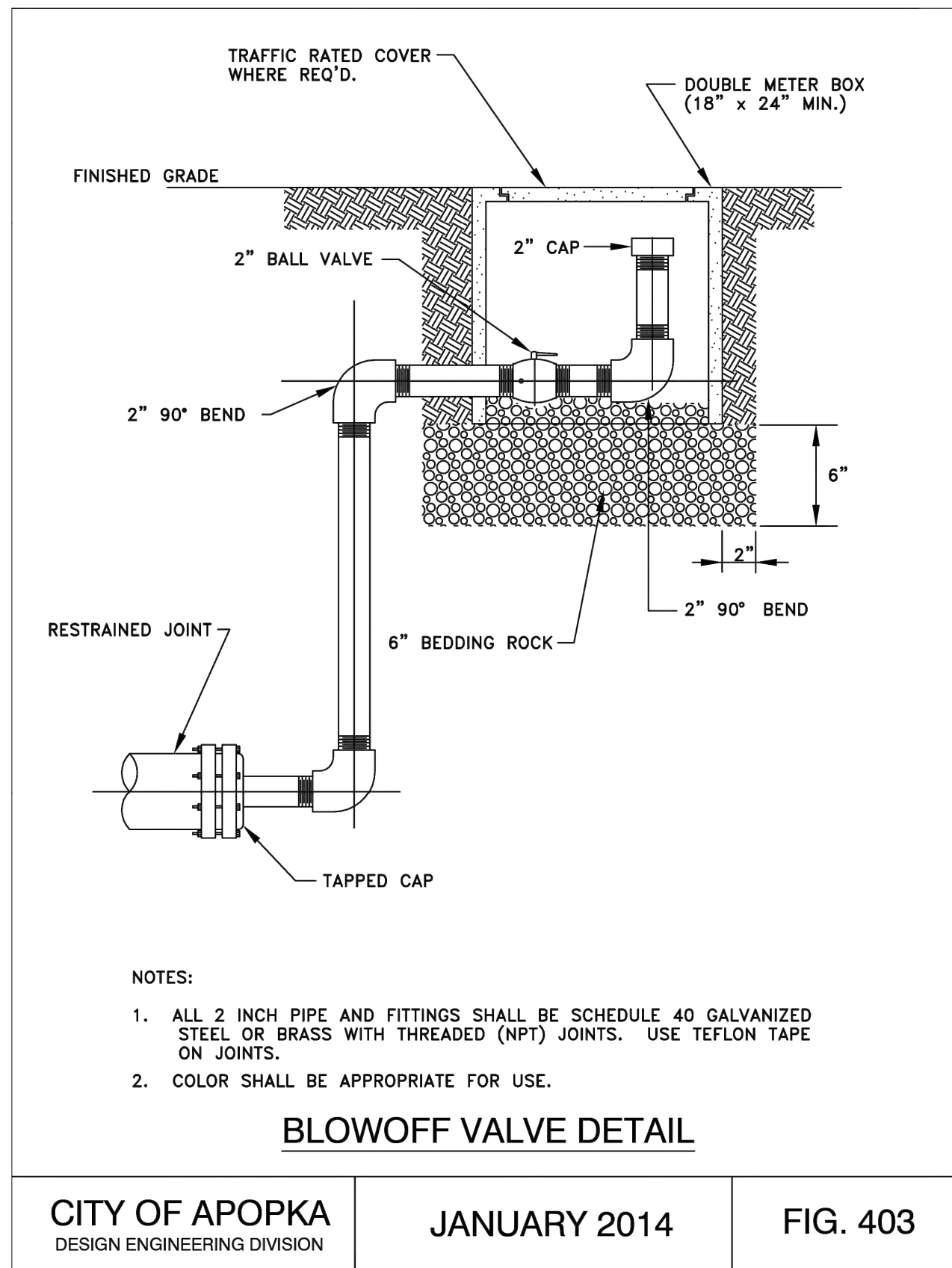
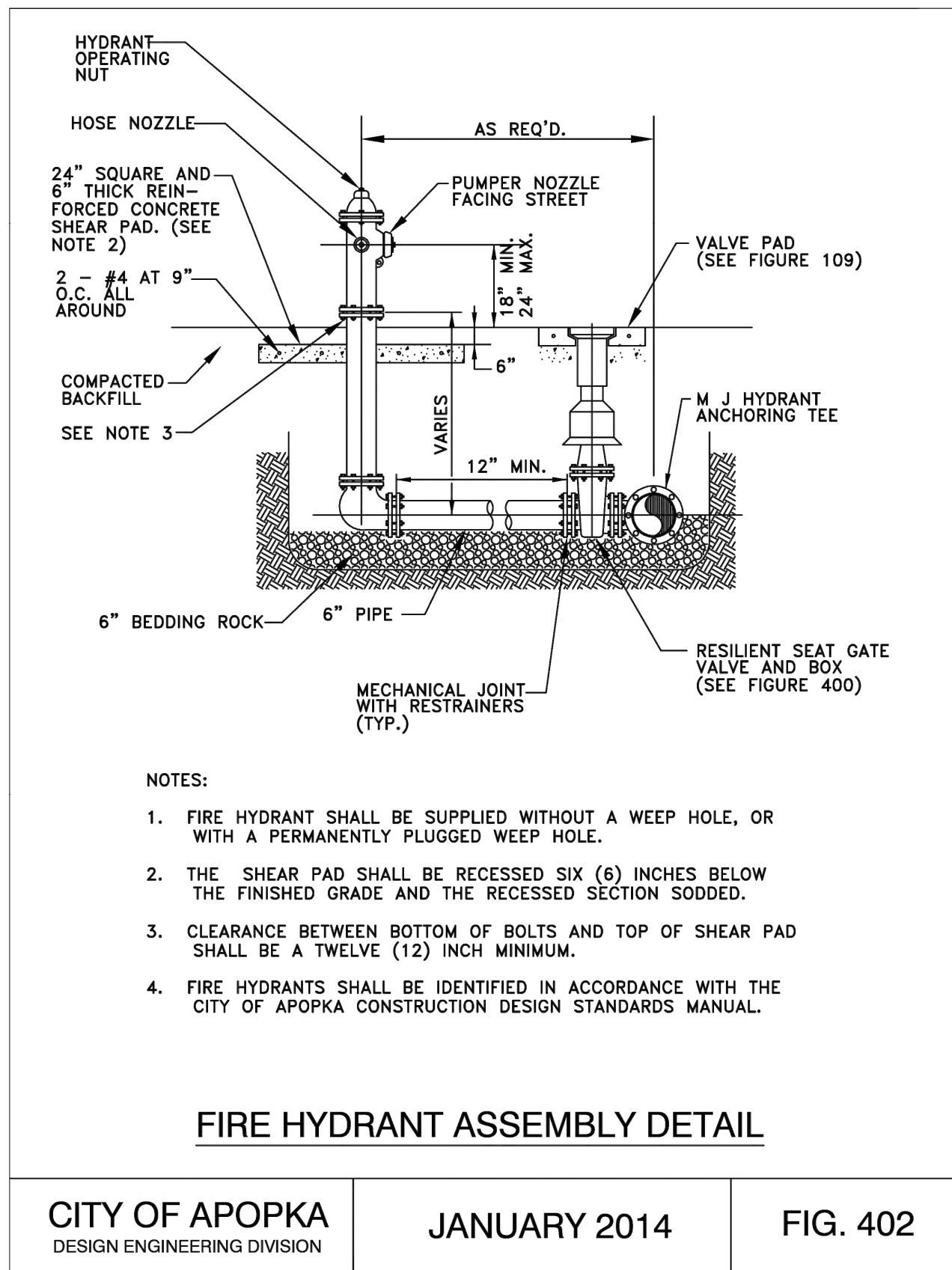
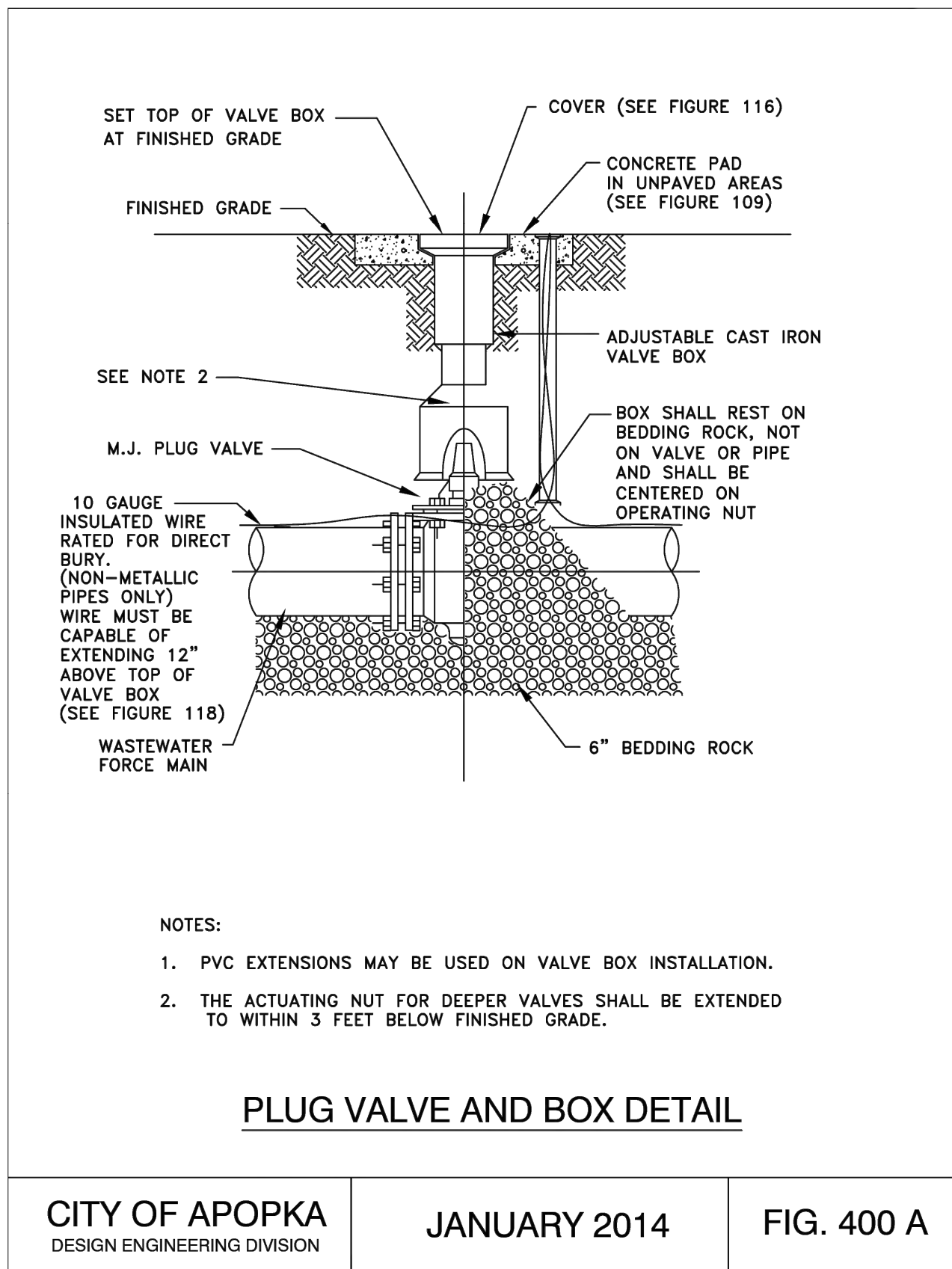
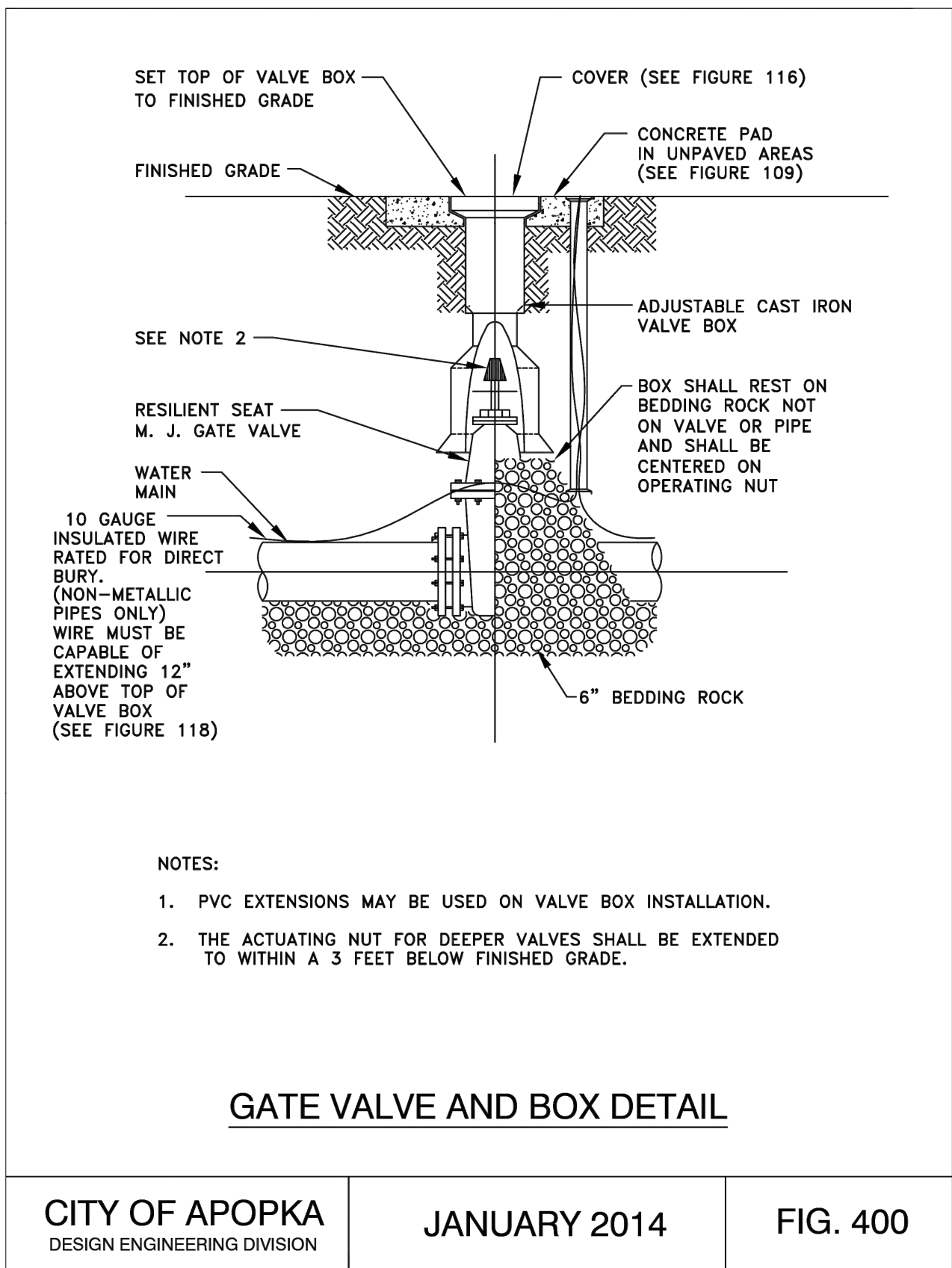
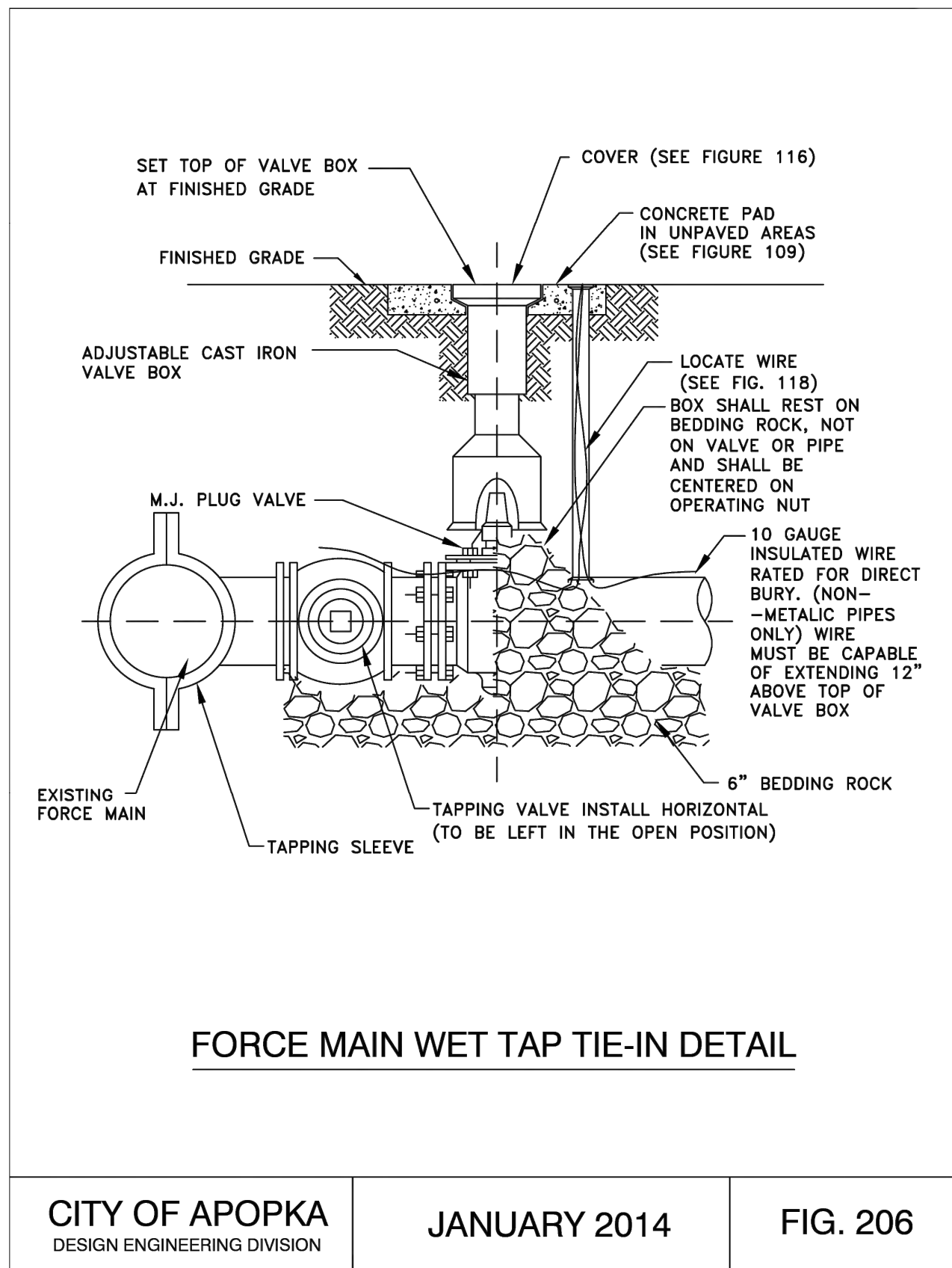
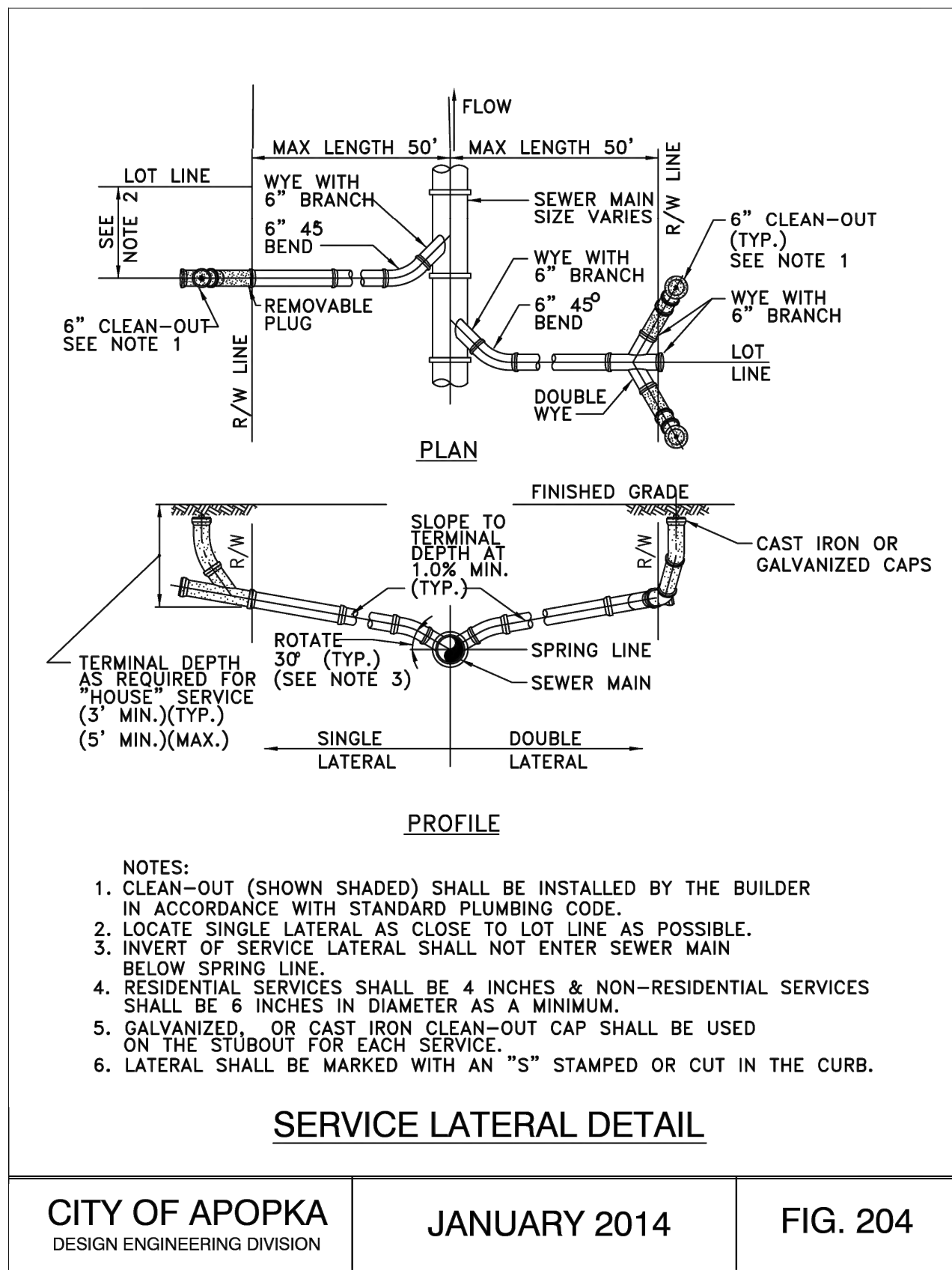
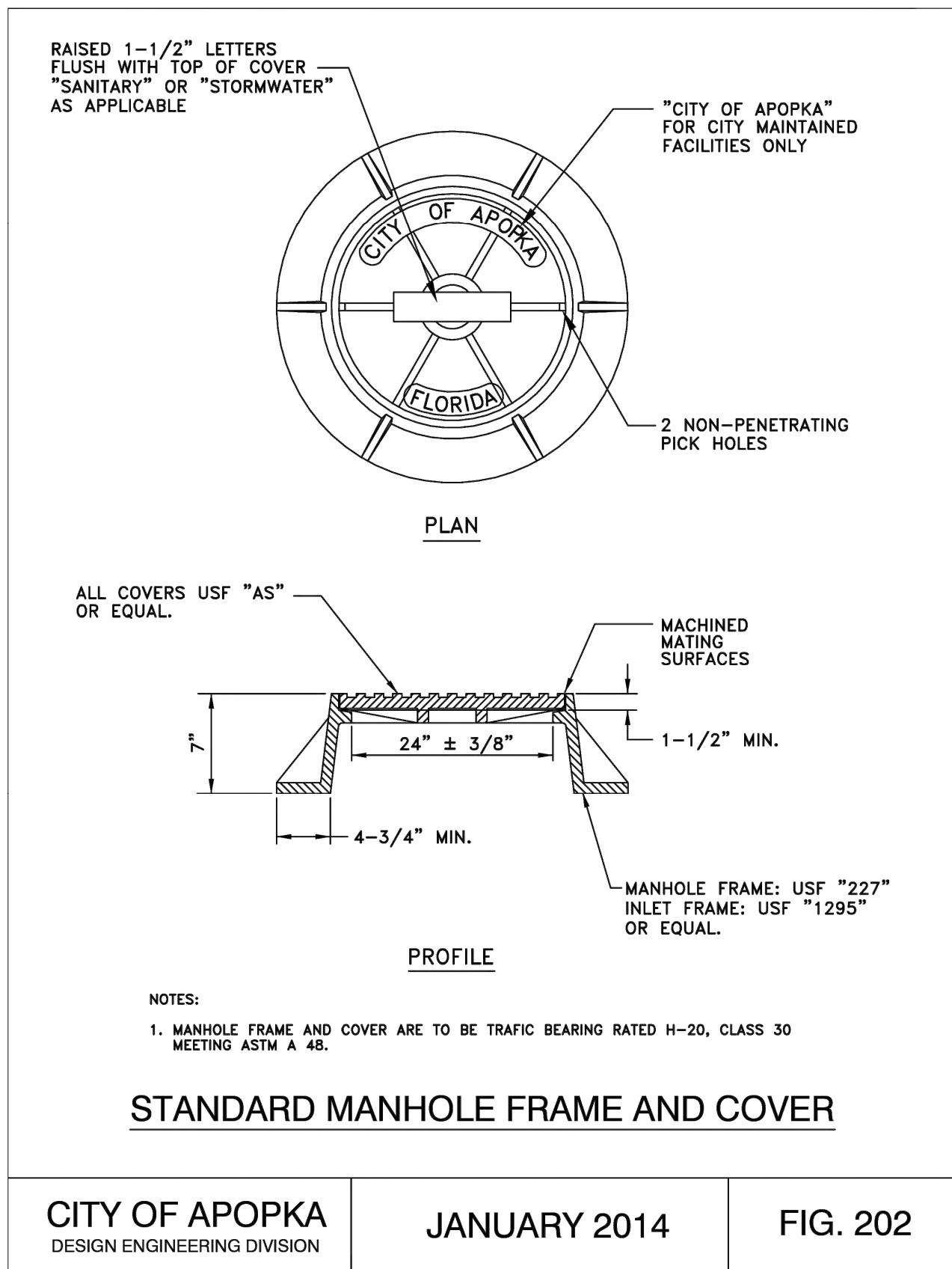
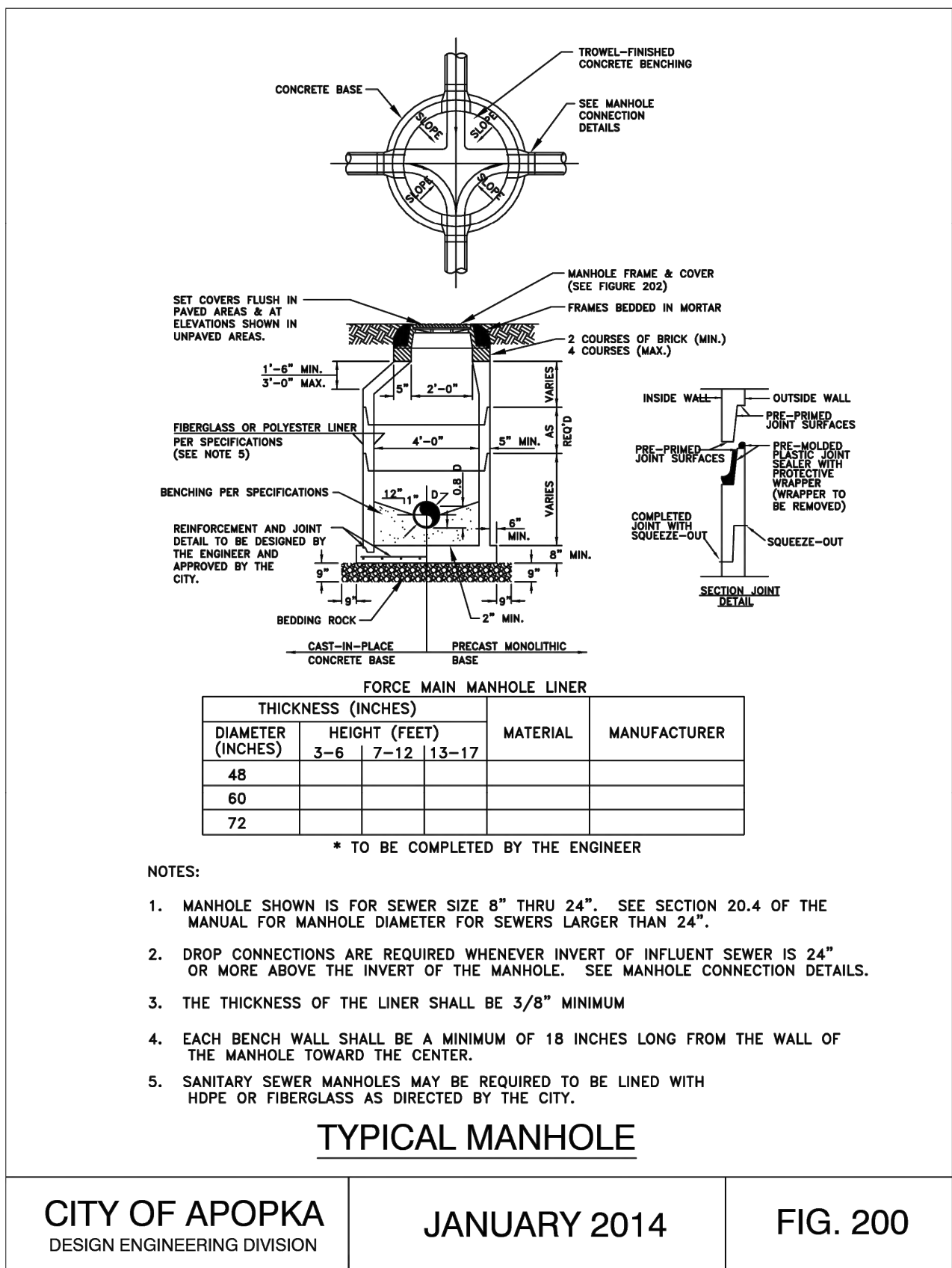
APPLICANT:

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

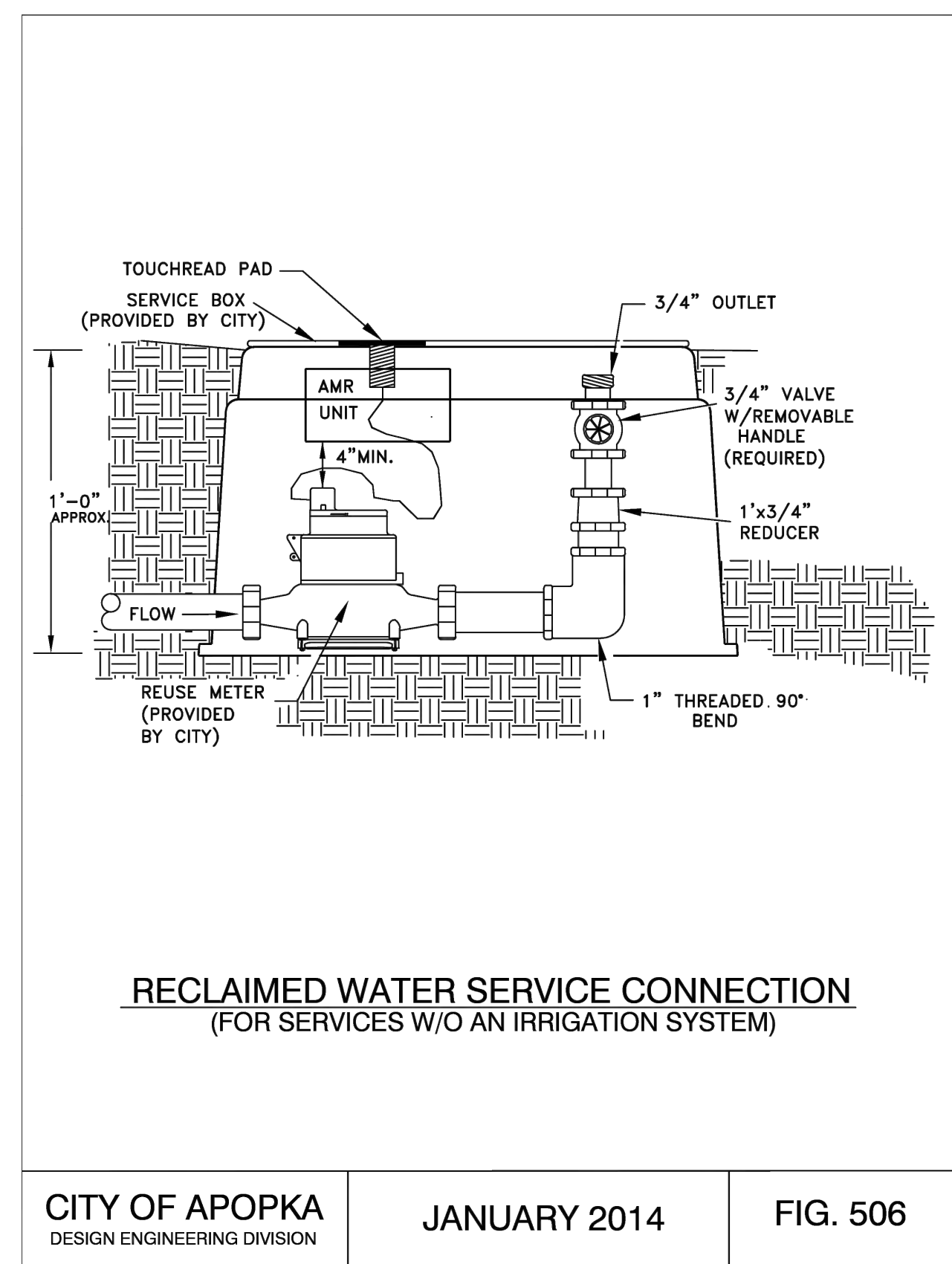
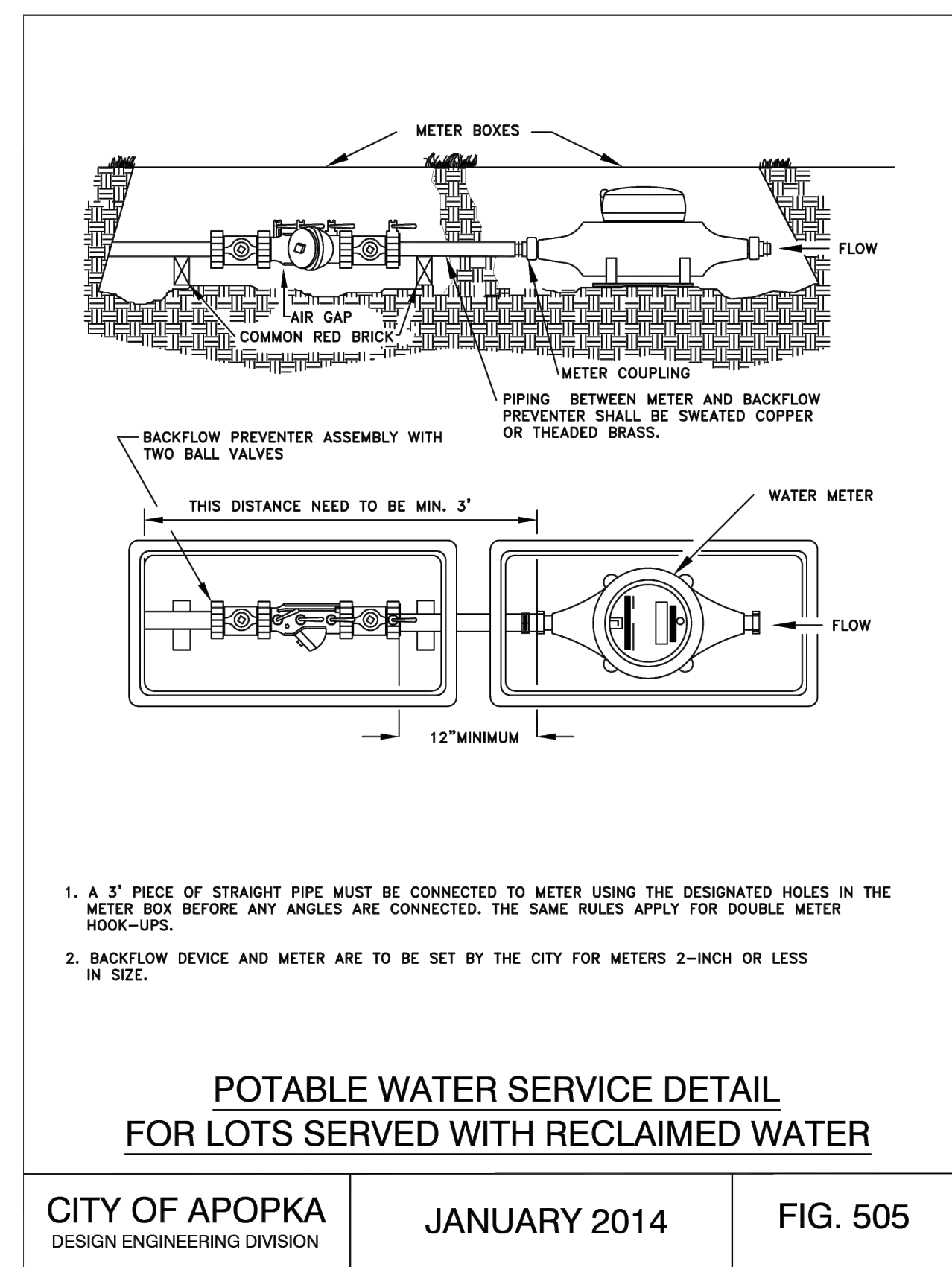
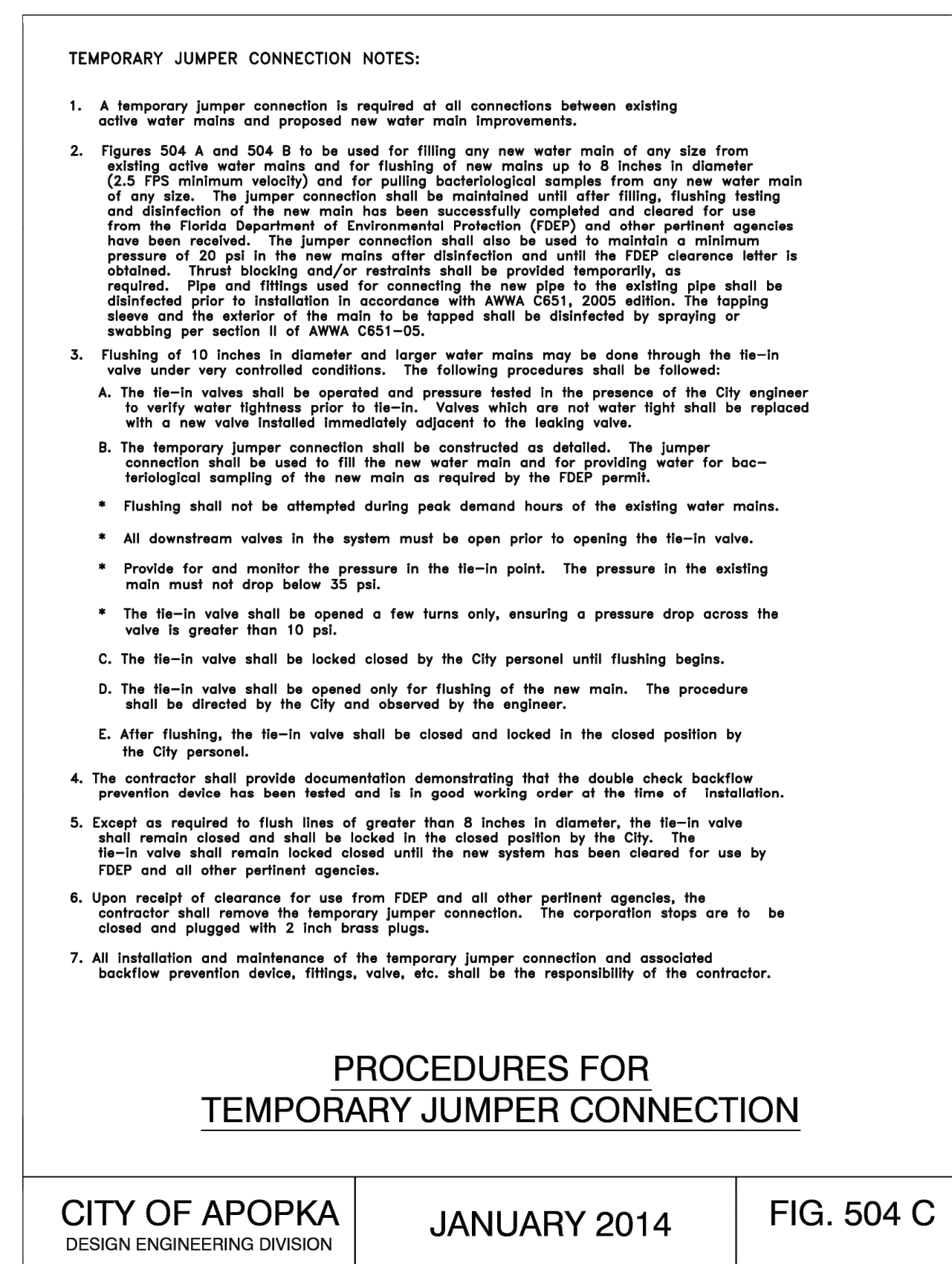
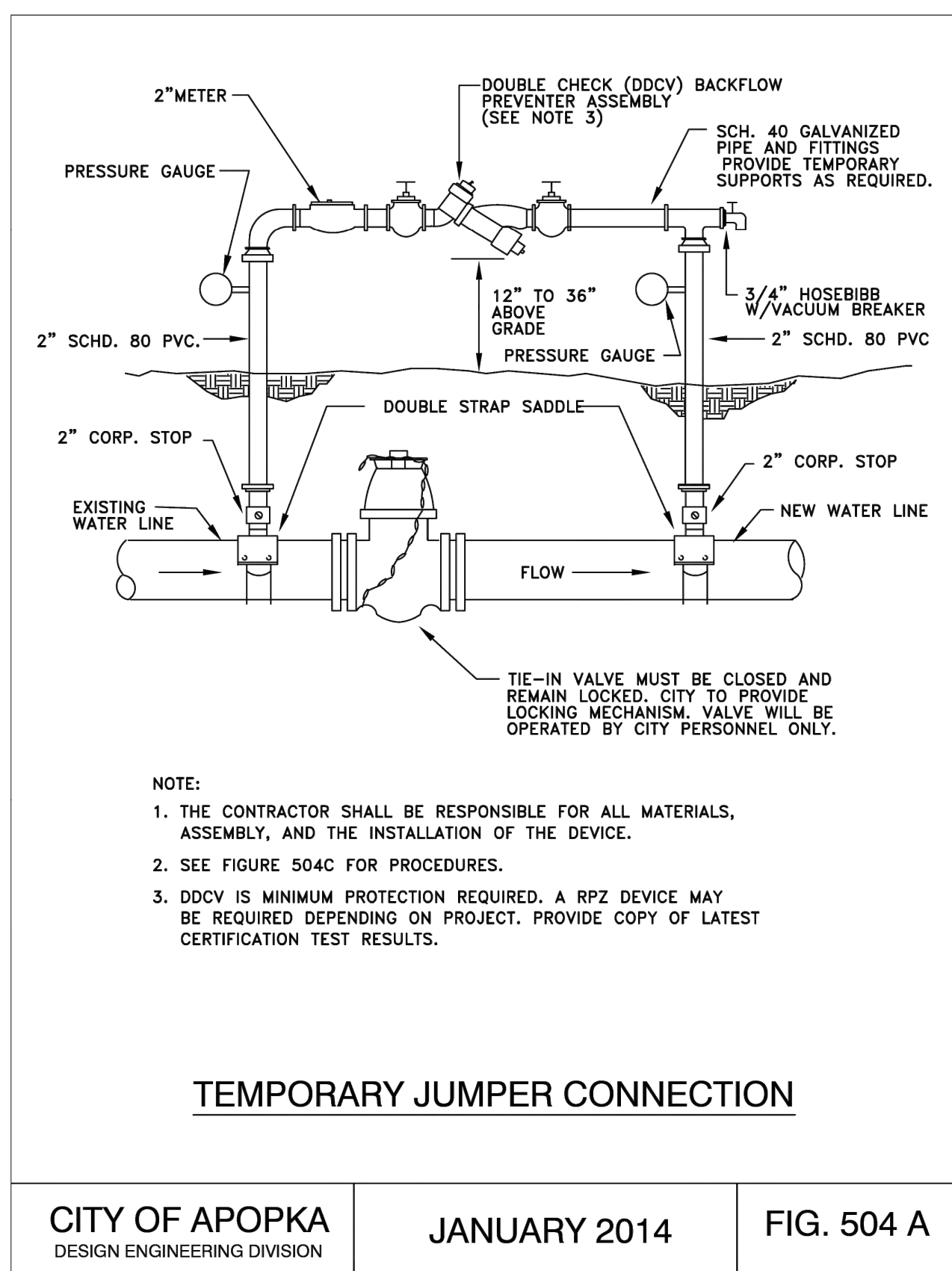
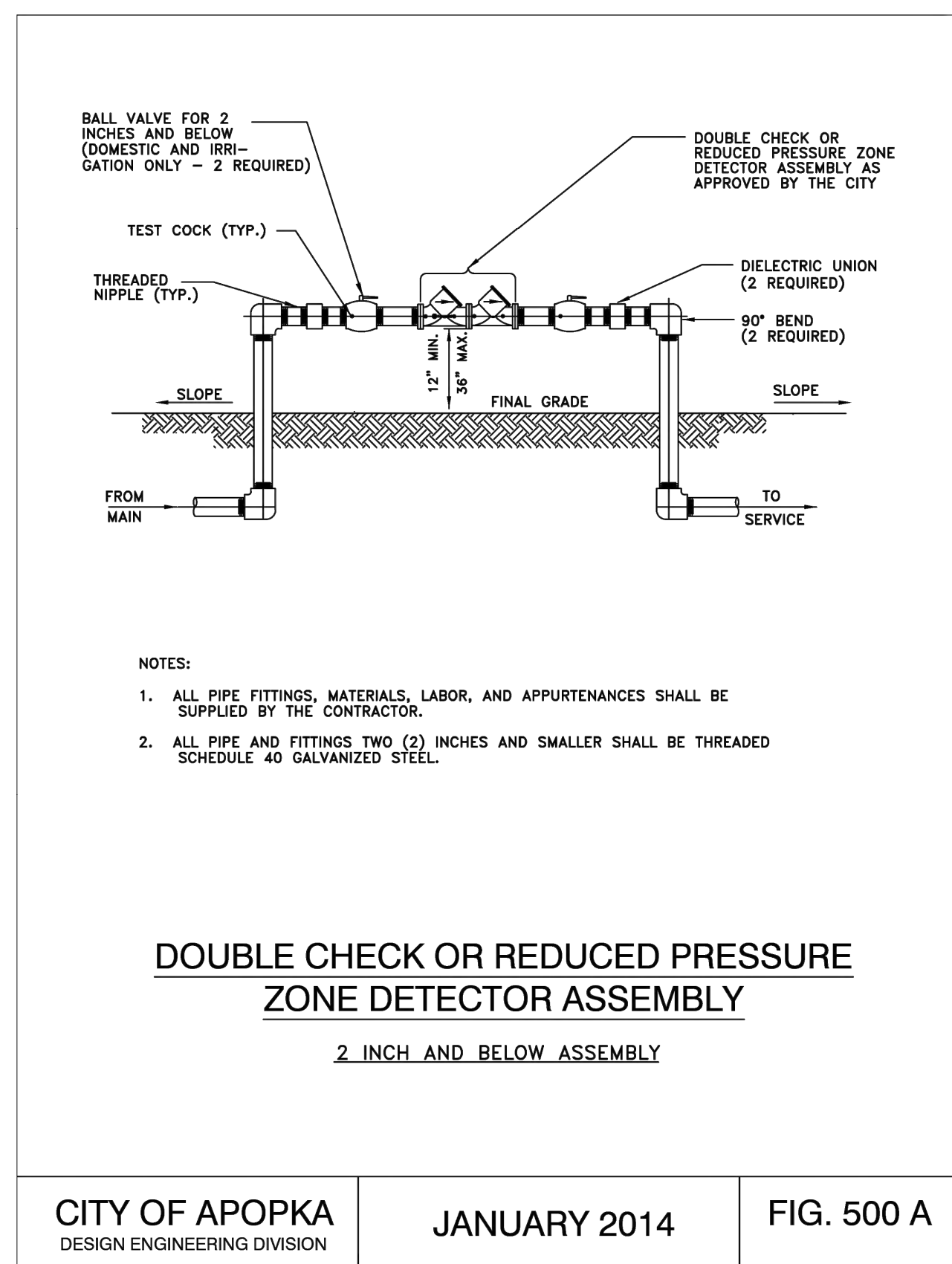
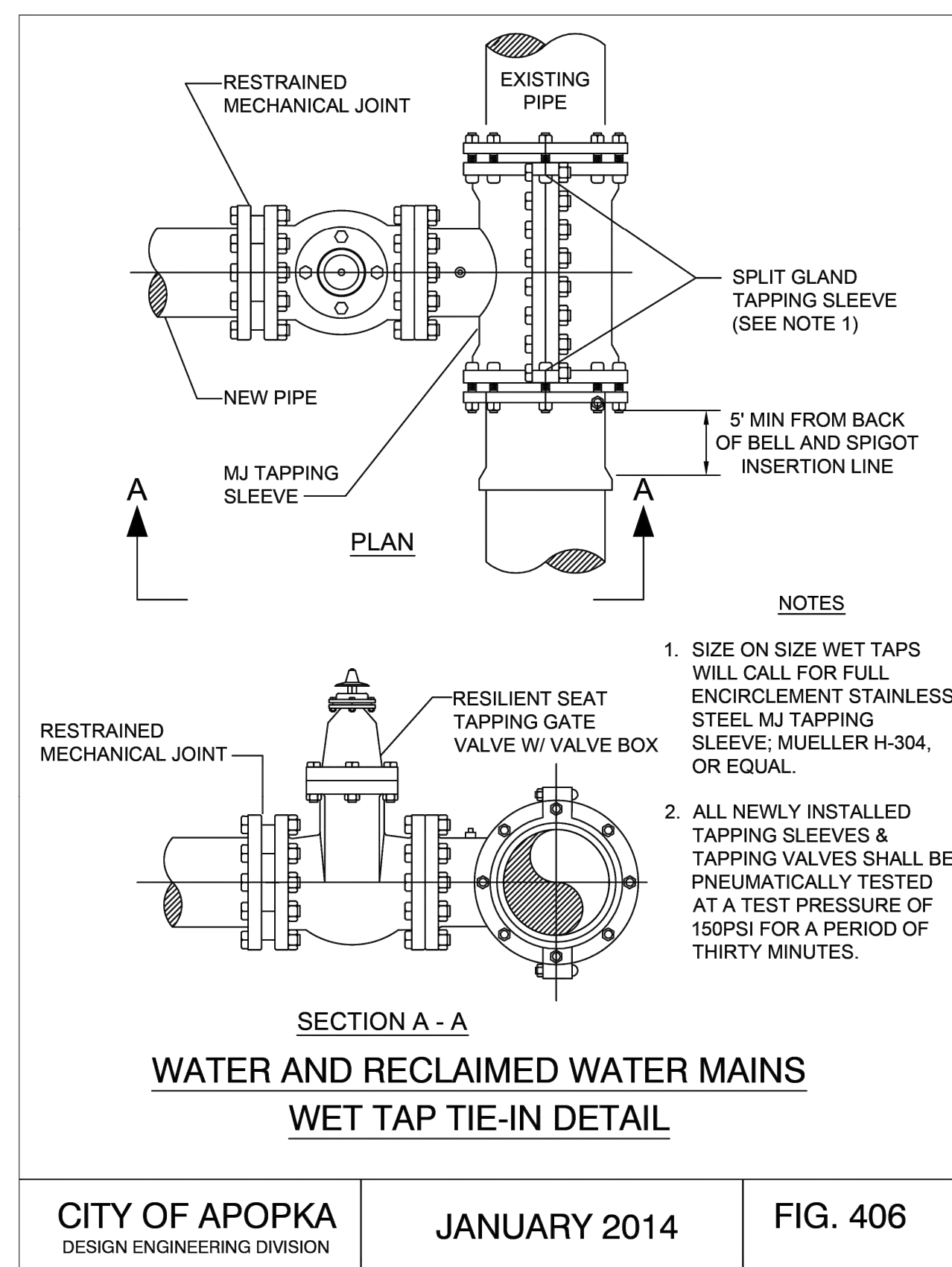
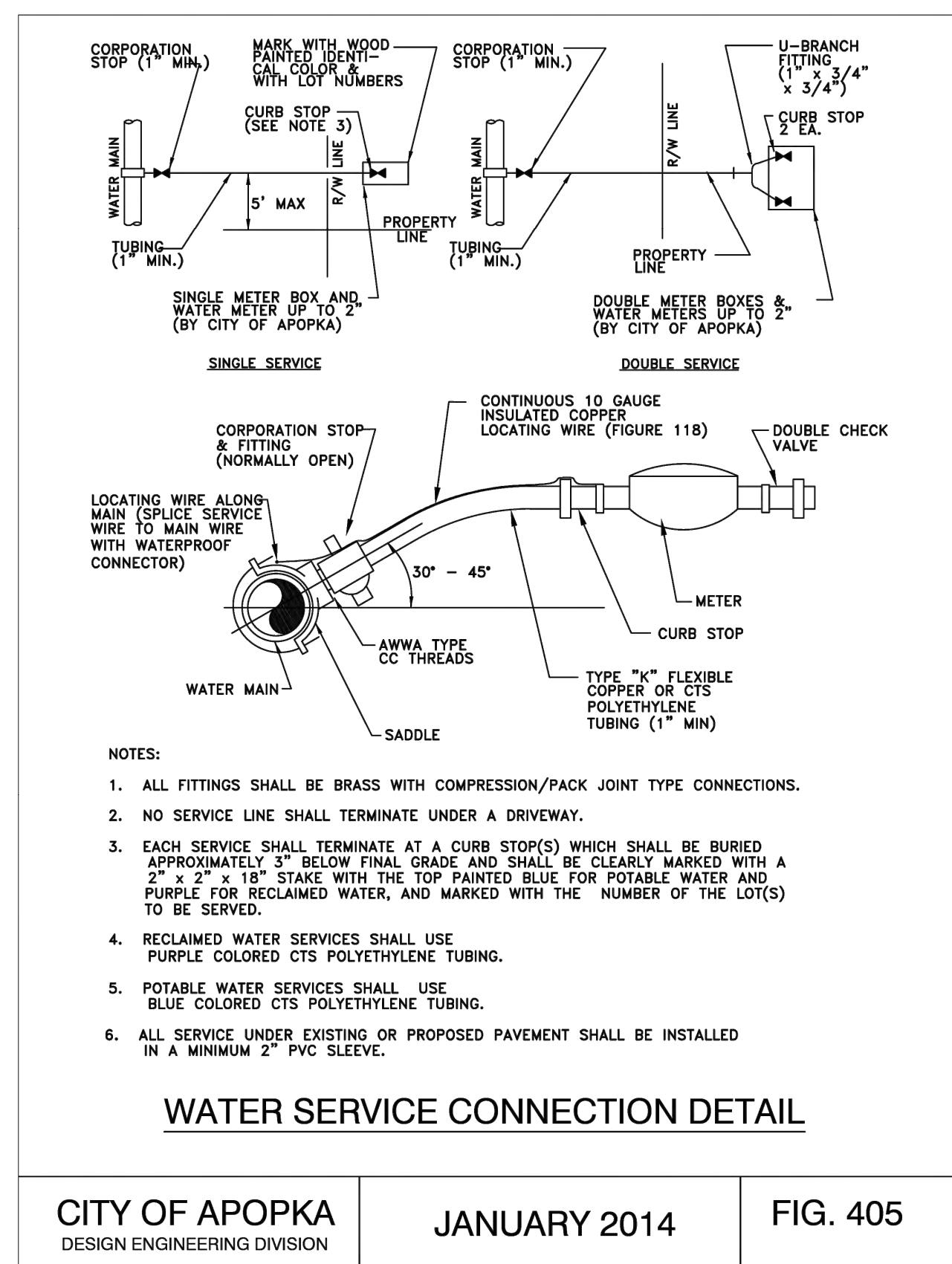
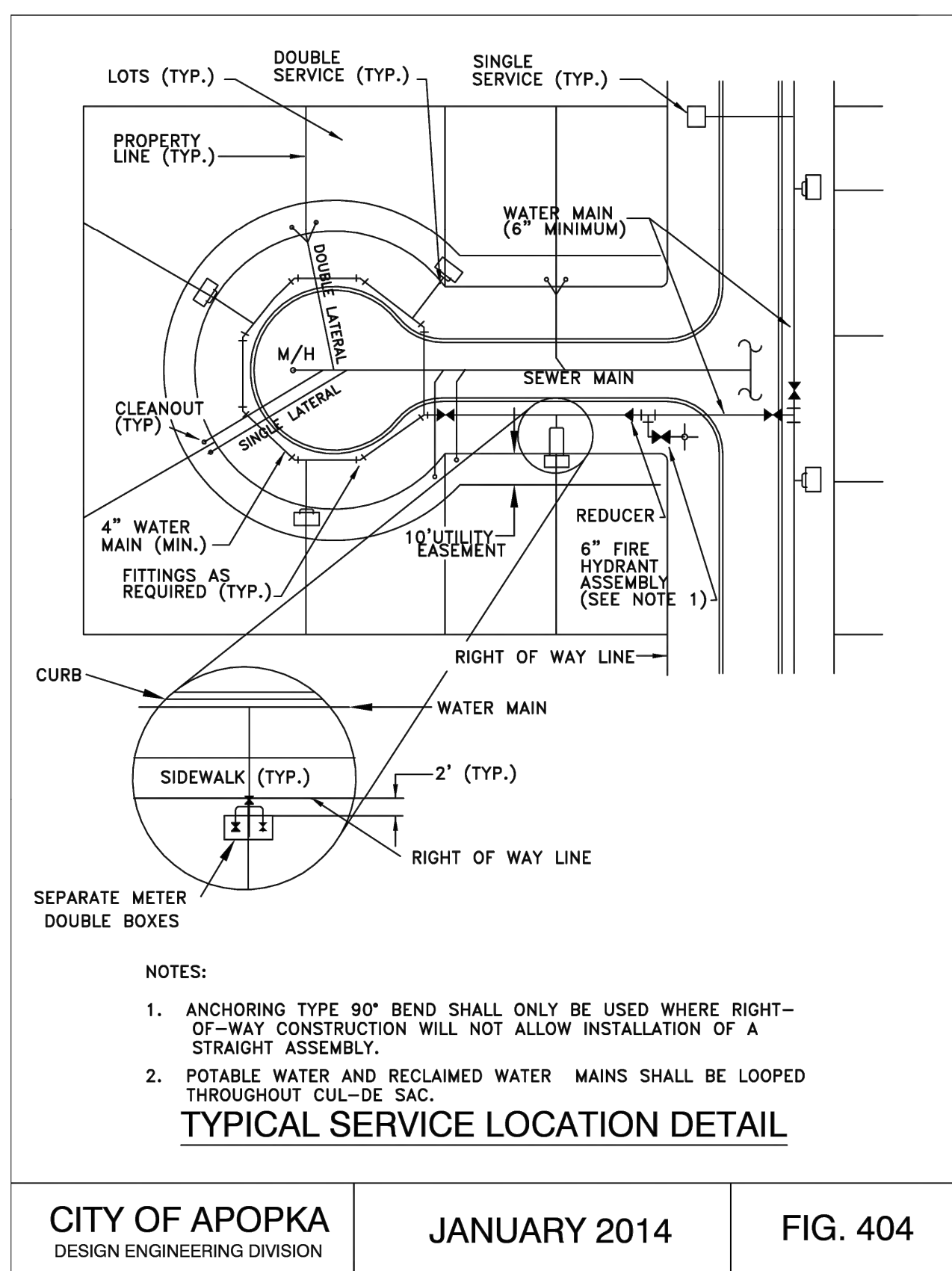
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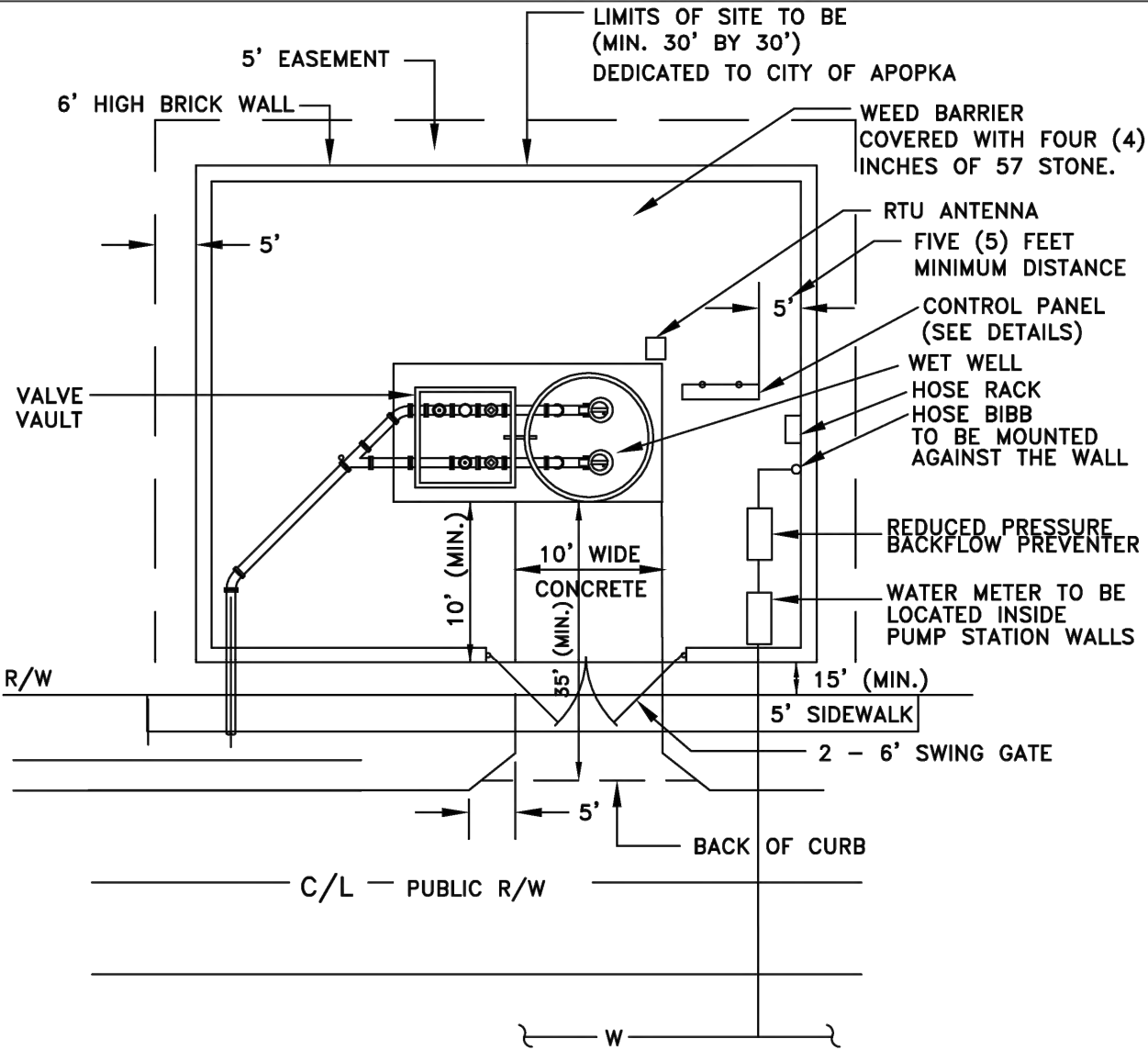
JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

C12.1



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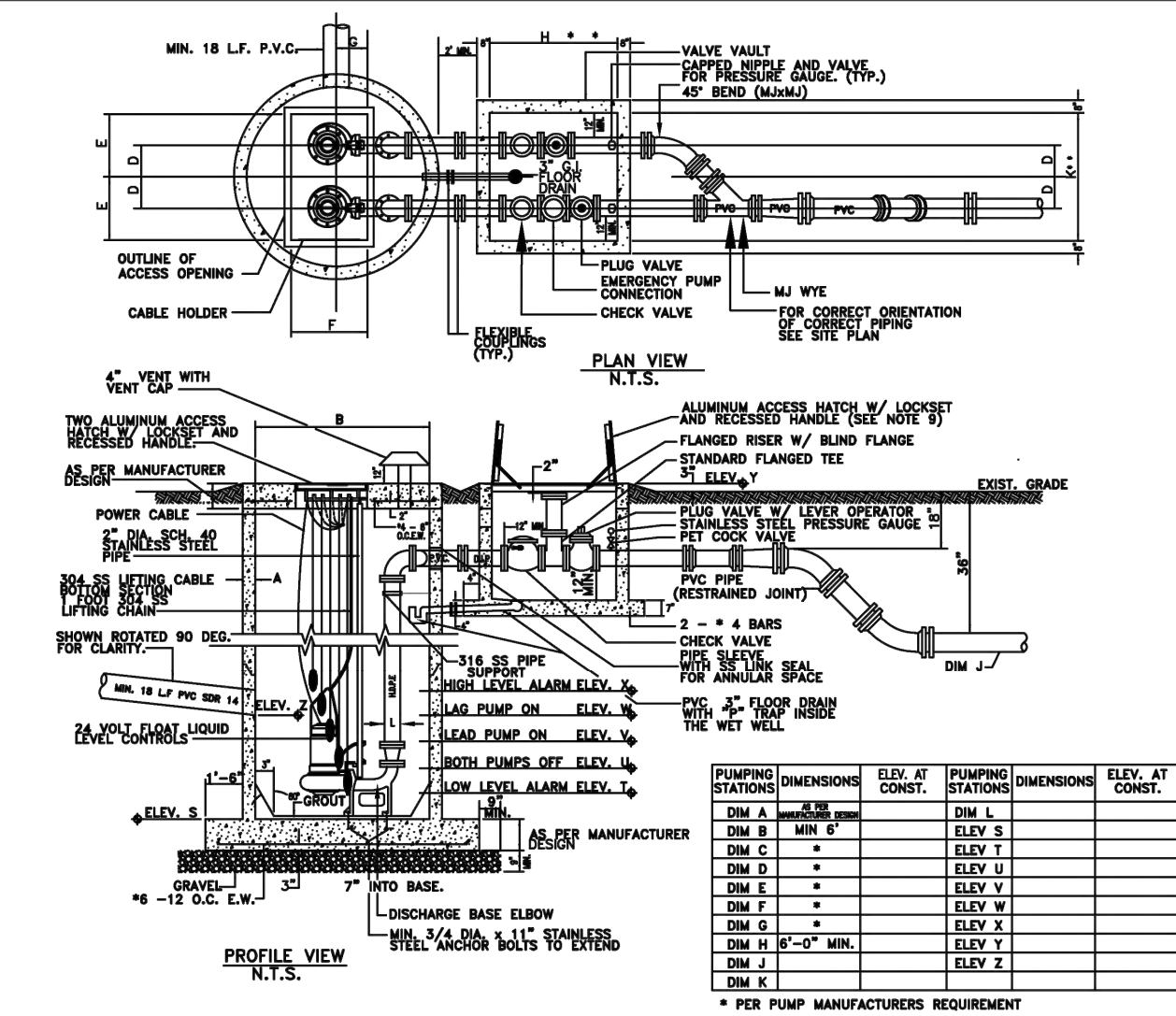
- NOTES:
1. DRIVEWAY AND APRON SHALL BE SIX (6) INCH THICK, 3000 P.S.I. CONCRETE. WITH NO.6X6 WIRE MESH OR FIBER MESH.
 2. POWER TO THE PUMP STATION SHALL BE THROUGH UNDERGROUND CONDUIT FROM SUPPLY SOURCE IN RIGHT-OF-WAY.
 3. GATE TO BE DECORATIVE BLACK POWDER COATED ALUMINUM W/PICKET SPACING = OR < 4"
 4. WALLS ARE TO BE BRICK OR DECORATIVE STONE.
 5. WET WELL LID MUST OPEN TOWARD CONTROL PANEL (HINGE SIDE TOWARD PANEL).
 6. LIFT STATION WALL TO BE PLACED AT LEAST 15FT. BEHIND THE R/W LINE.

PUMP STATION TYPICAL SITE PLAN

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 300



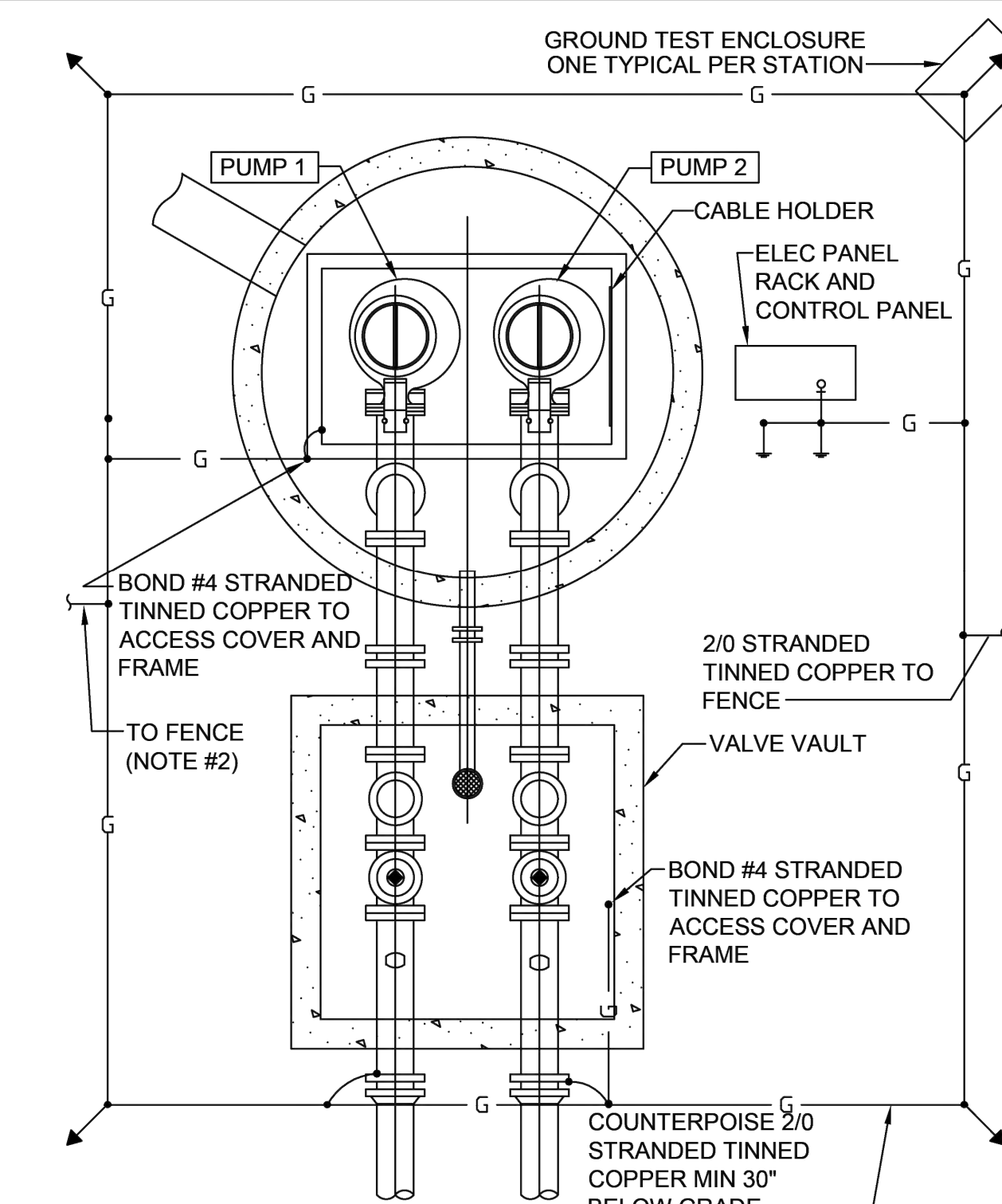
- GENERAL NOTES:
1. VALVE VAULT AND WET WELL LIDS SHALL BE COATED WITH 1 COAT OF THEMIC SERIES 88, COLOR ENOS, (2-3 MILS), FOLLOWED BY TOP COAT OF THEMIC SERIES 73, COLOR ENOS, (2-3 MILS) OR EQUAL.
 2. THE WET WELL SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYESTER (RFP) AND MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR UNID, LEXEL RESIN, WITH FIBERGLASS REINFORCEMENTS. THE WET WELL SHALL BE A ONE PIECE UNIT AND MANUFACTURED BY L.F. MANUFACTURE, INC. OR EQUAL.
 - 2.8. 8" LIDS 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.
 3. PIPING IN THE WET WELL TO BE 8" PVC WITH TIGED 45 DEGREE FITTINGS FROM WET WELL TO VALVE VAULT.
 4. INTERIOR OF THE VALVE VAULT AND PIPING IN THE VALVE VAULT WITH CONDOL CS-55 (OR EQUAL), TWO COATS, 4 MILS EACH. PIPING SHALL BE COATED AFTER INSTALLATION.
 5. VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 6" DIAMETER PIPE AND WALLS. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
 7. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL SHALL BE MADE WATER TIGHT WITH WALL SLEEVE AND STAINLESS STEEL LINK WELLS.
 8. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
 9. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HANDWARE LOCK BRACKET, SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE CITY.
 10. FLOORING, COATING SHALL BE SLEEVE TYPE, EPOXY COATED.
 11. PUMPS SHALL BE MANUFACTURED BY: _____ MODEL: _____ DIA: _____ SPEED: _____ DISCHARGE SIZE: _____ IN.; VOLTAGE: _____ HZ: _____ PHASE: _____ HP: _____ MIN. SOLID SIZE: _____ IN.
 12. OPERATING CONDITIONS SHALL BE _____ GPM AT _____ FEET TDH.
 13. ALL HANDRAILS IN WET WELL AND VALVE BOX TO BE 316 STAINLESS STEEL.
 14. "P" TRAP TO BE INSTALLED IN WET WELL.
 15. PUBLIC LIFT STATIONS SHALL BE EQUIPPED WITH SCADA SYSTEM. THE DEVELOPER SHALL PAY THE CITY COST OF THE UNIT. THE CITY WILL BE RESPONSIBLE FOR INSTALLATION.
 16. ALL LIFT STATIONS SHALL BE FENCED WITH DECORATIVE STONE OR BRICK OR AS DIRECTED BY THE CITY.
 17. ALL LIFT STATIONS SHALL HAVE A 10 FEET WIDE CONCRETE ACCESS DRIVEWAY, 30' LONG FROM EDGE OF WET WELL TO BACK OF CURB.
 18. ENGINEER SHALL PROVIDE A SCALED (1" = 20' MIN.) SITE SPECIFIC DETAIL.
- * PER PUMP MANUFACTURERS REQUIREMENT

PUMP STATION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 301



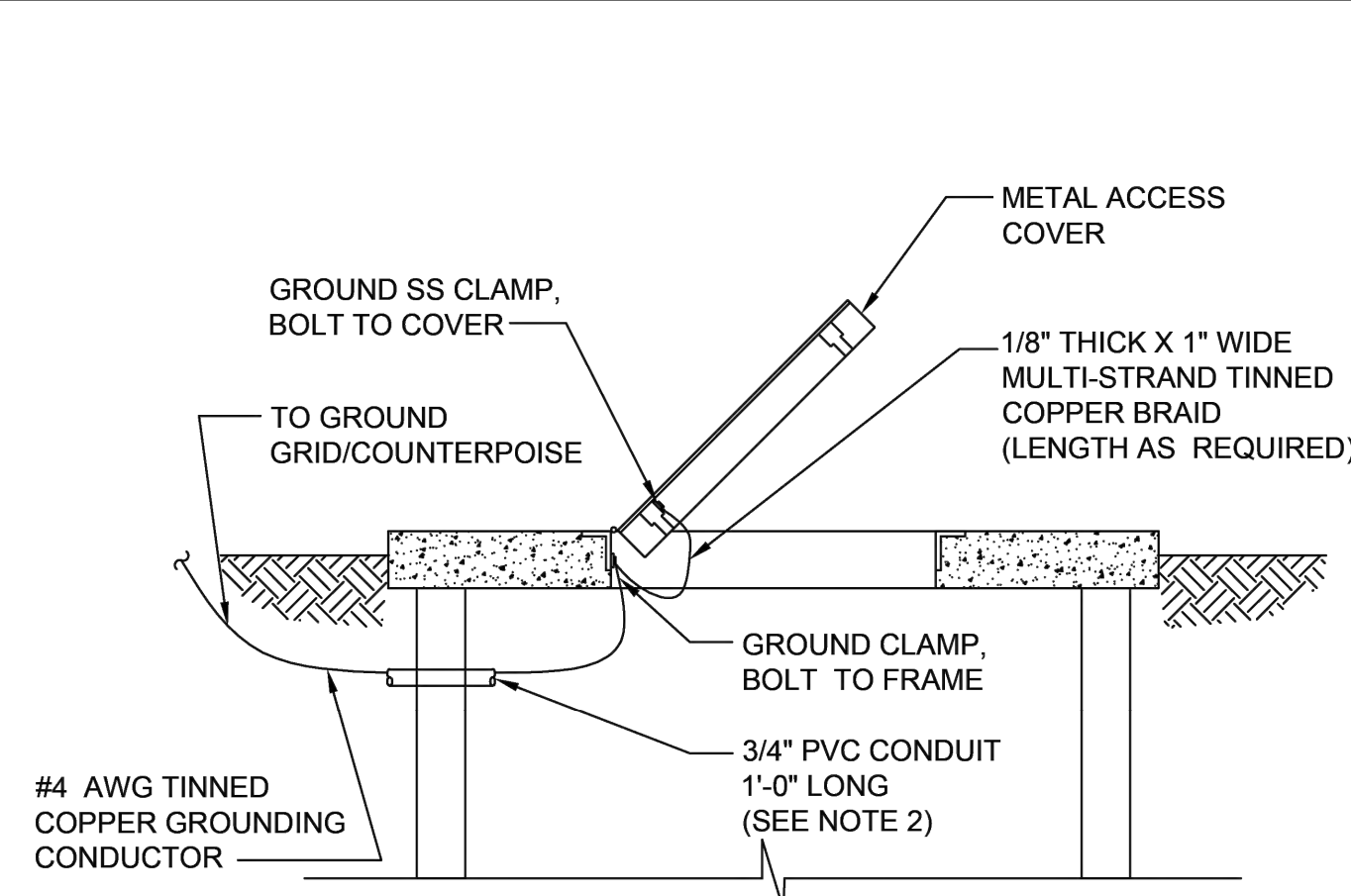
- NOTES:
1. DETAIL IS GENERIC. SPECIFIC LOCATIONS OF EQUIPMENT MAY VARY.
 2. TIE TO FENCE, MINIMUM 2 LOCATIONS. NOT REQUIRED WHERE PVC COATED OR BLOCK FENCE IS INSTALLED.
 3. PROVIDE EXOTHERMIC WELDS UNLESS NOTED OTHERWISE.

PUMP STATION GROUNDING (TYPICAL)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307



- NOTES:
1. 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.
 2. 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

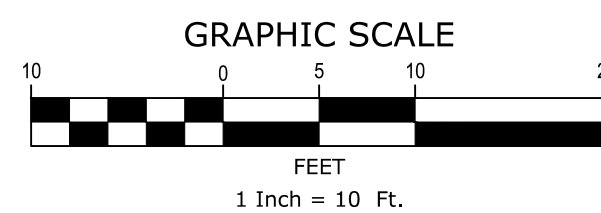
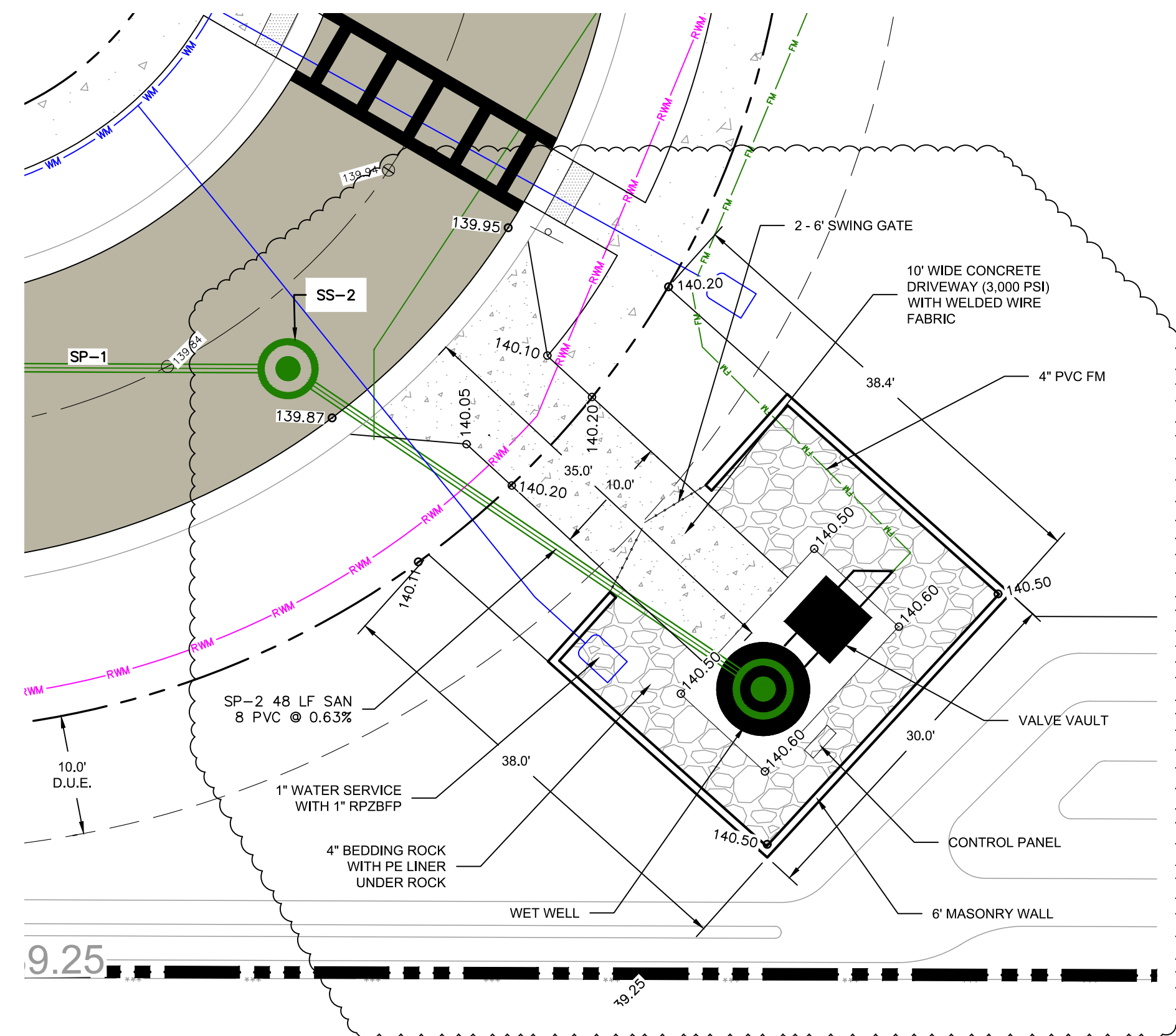
JANUARY 2014

FIG. 307 C

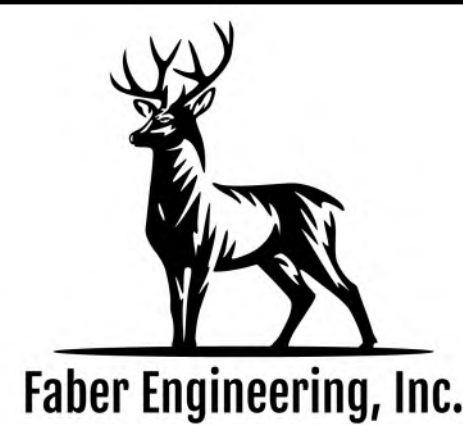
PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.	PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.
DIM A	AS PER MANUFACTURER DESIGN	6"	DIM L	4"	
DIM B	MIN 6'	6'	ELEV S	126.55	
DIM C	*		ELEV T	128.05	
DIM D	*		ELEV U	128.55	
DIM E	*		ELEV V	128.75	
DIM F	*		ELEV W	129.25	
DIM G	*		ELEV X	129.75	
DIM H	6'-0" MIN.		ELEV Y	140.60	
DIM J			ELEV Z	129.75	
DIM K					

* PER PUMP MANUFACTURERS REQUIREMENT

11. PUMPS SHALL BE: _____ NP 3127 SH 3~
MANUFACTURER: FLYGT; MODEL: ADAPTIVE 249; DIA: 146 MM; SPEED: 3495 RPM; DISCHARGE SIZE: 3.0 IN.;
VOLTAGE: 230; HZ: 60; PHASE: 3; H.P.: 11.0; MIN. SOLID SIZE: 3.0 IN.
12. OPERATING CONDITIONS SHALL BE _____
275 GPM AT 75 FEET TDH.



LIFT STATION PLAN AND DETAILS



3165 MCCORRY PLACE, STE. 151
ORLANDO, FL 32803
(407) 595-1566

SEAL:

THOMAS FABER, P.E. #87427
FABER ENGINEERING, INC.
REGISTRY #28498

LESTER OAKS
APOPKA, FL

PROJECT PHASE: CONSTRUCTION PLANS

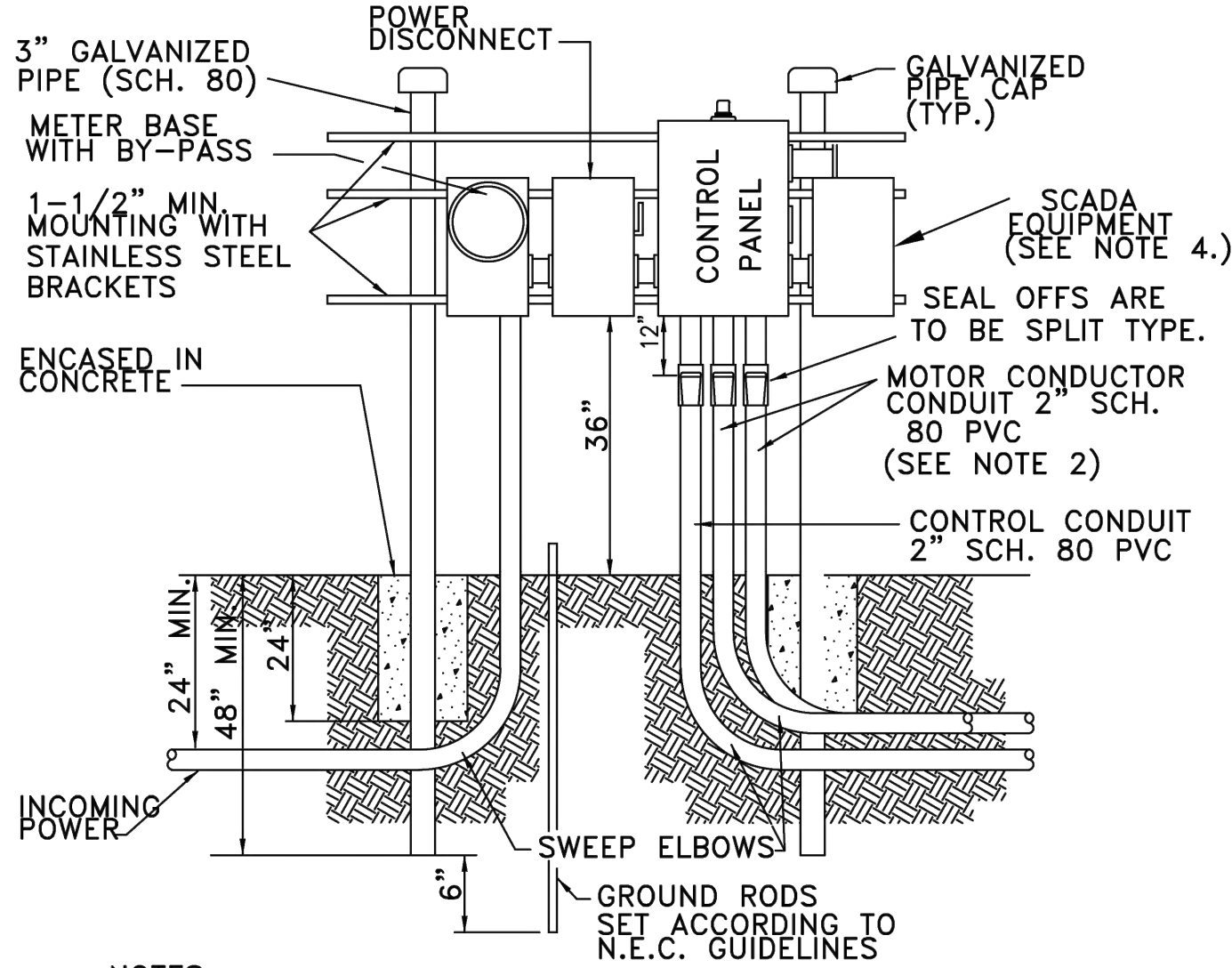
APPLICANT:

CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV#	DATE	REVISION PER CITY AND SURVIMD COMMENTS
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JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

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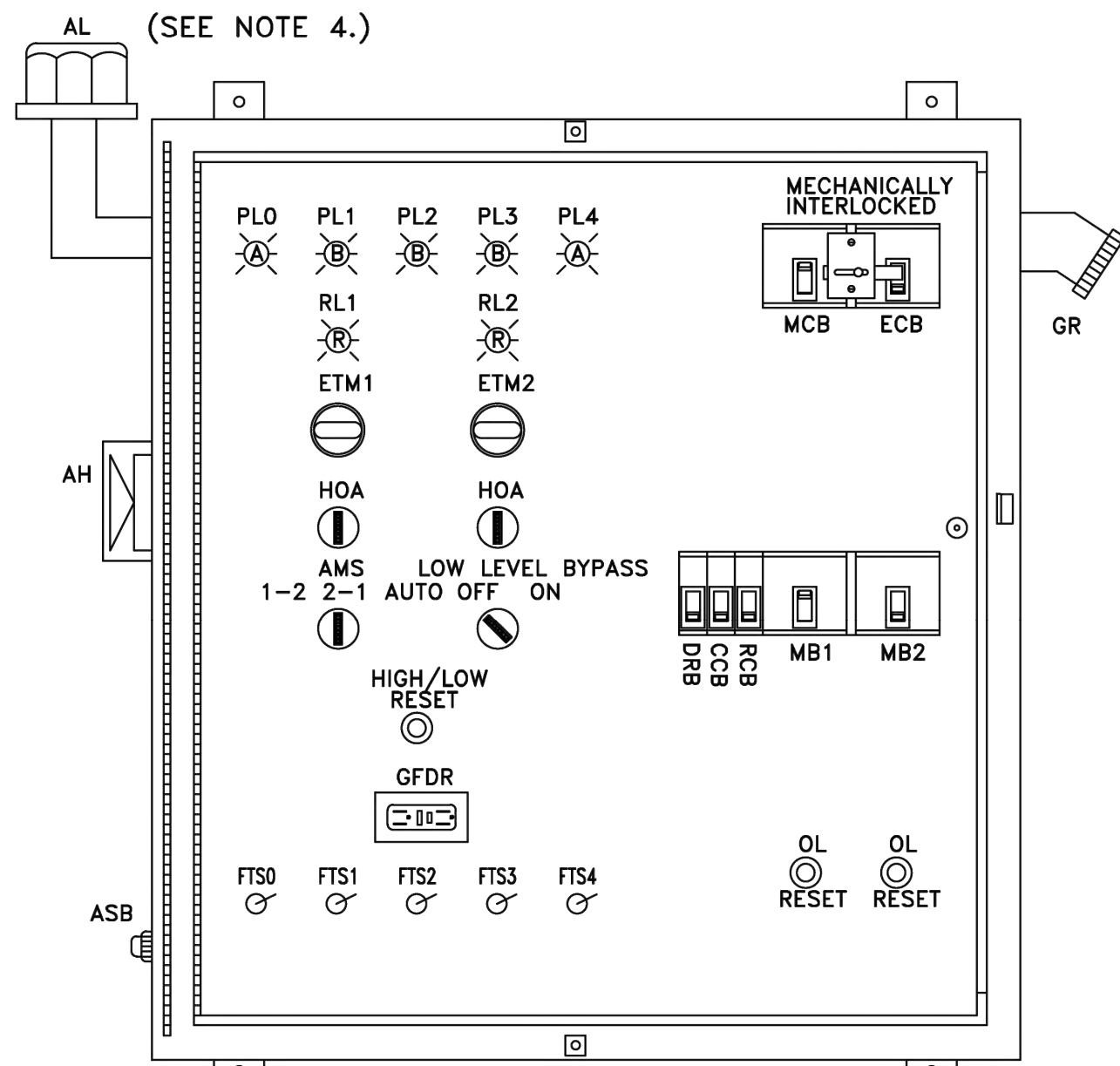
- NOTES:
- DRAWING IS SHOWN FOR 230 VOLT POWER SUPPLY. THE LOCATION OF METER AND MAIN POWER DISCONNECT SHALL BE REVERSED FOR 480 VOLT SUPPLY.
 - WHEN TWO (2) SEPARATE CONDUCTOR-TYPE MOTORS ARE USED, CONDUIT SHALL BE INCREASED TO THREE (3) INCH.
 - POWER SUPPLY SHALL BE UNDERGROUND TO THE PUMP STATION 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



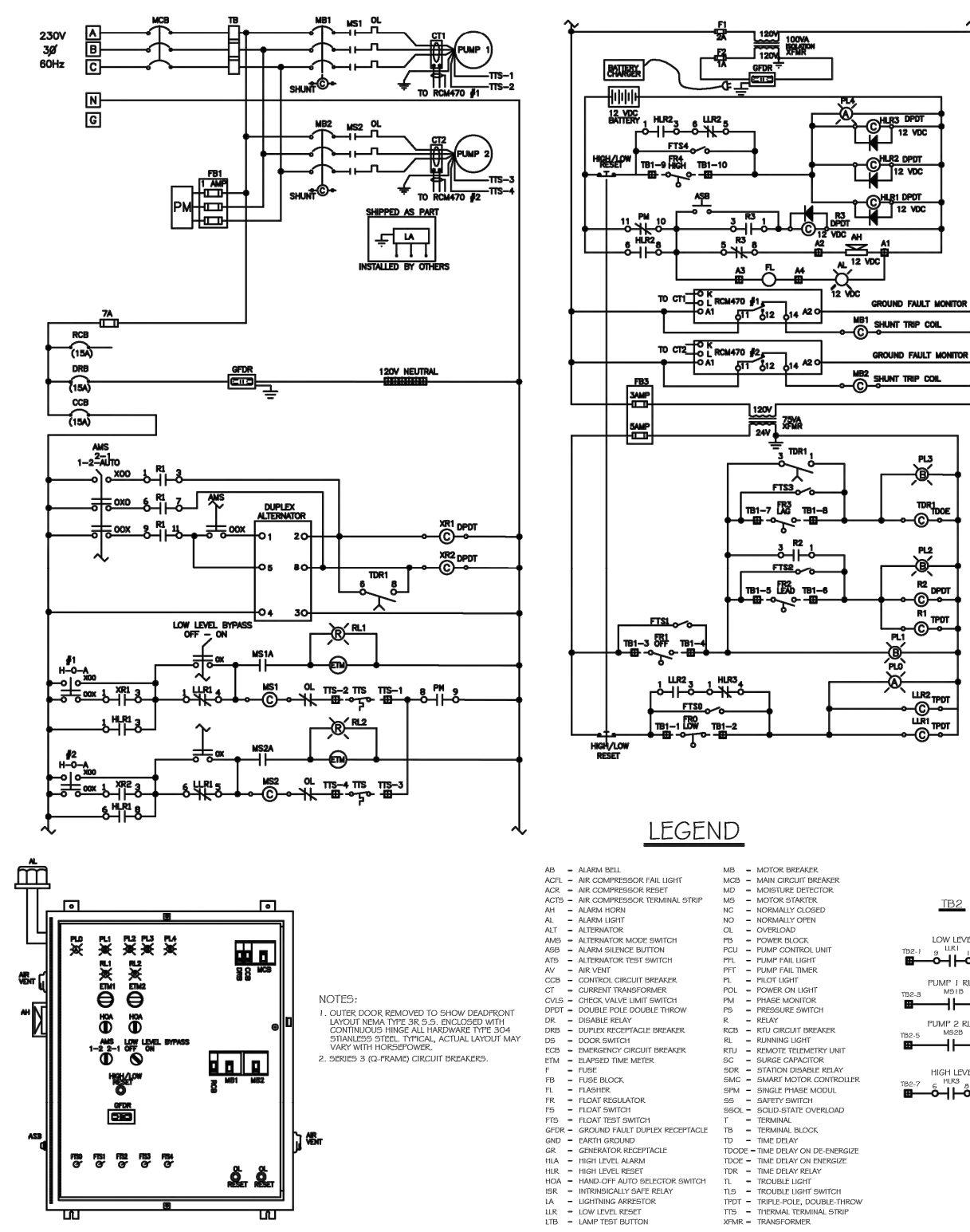
- NOTES:
- OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT NEMA TYPE 3R 304 S.S. ENCL. WITH CONTINUOUS HINGE ALL HARDWARE STAINLESS STEEL TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER
 - SERIES 3 (Q-FRAME) CIRCUIT BREAKERS
 - GENERATOR OUTLET FOR 230V - PYLE NATIONAL MODEL JRE4100/460V - CROUSE HINDS MODEL 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 STATION CONTROL
GENERAL LAYOUT & SCHEMATIC**
(230V-3PH)
WITHOUT GENERATOR RECEPTACLE

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 305 B

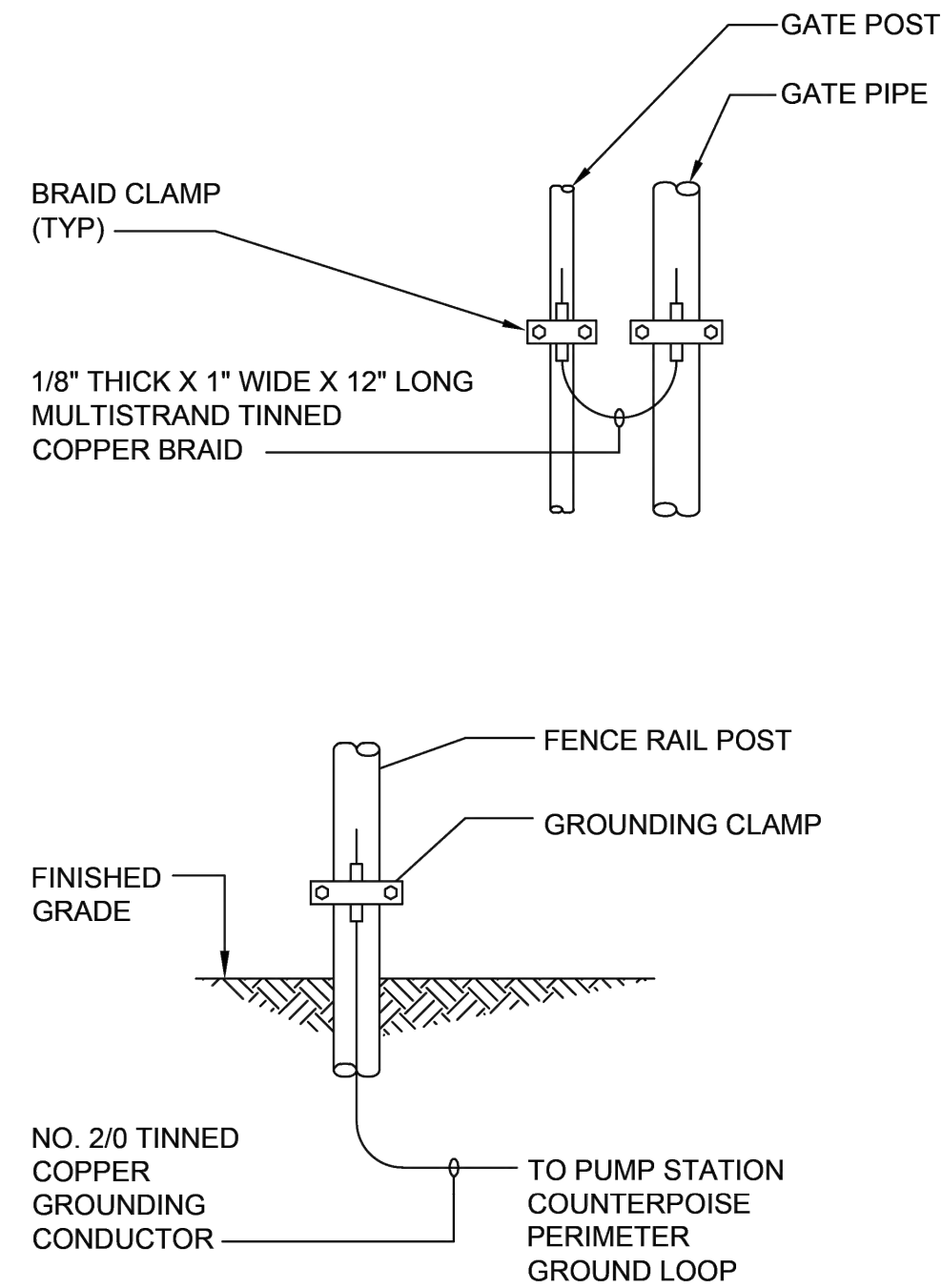
- AB - ALARM BELL
ACFL - AIR COMPRESSOR FAIL LIGHT
ACR - AIR COMPRESSOR RESET
ACTS - AIR COMPRESSOR TERMINAL STRIP
AH - ALARM HORN
AL - ALARM LIGHT
ALT - ALTERNATOR
AMS - ALTERNATOR MODE SWITCH
ASB - ALARM SILENCE BUTTON
AV - AIR VENT
CB - CONTROL CIRCUIT BREAKER
CT - CURRENT TRANSFORMER
CVLS - CHECK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

COMPONENT LEGEND

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 306

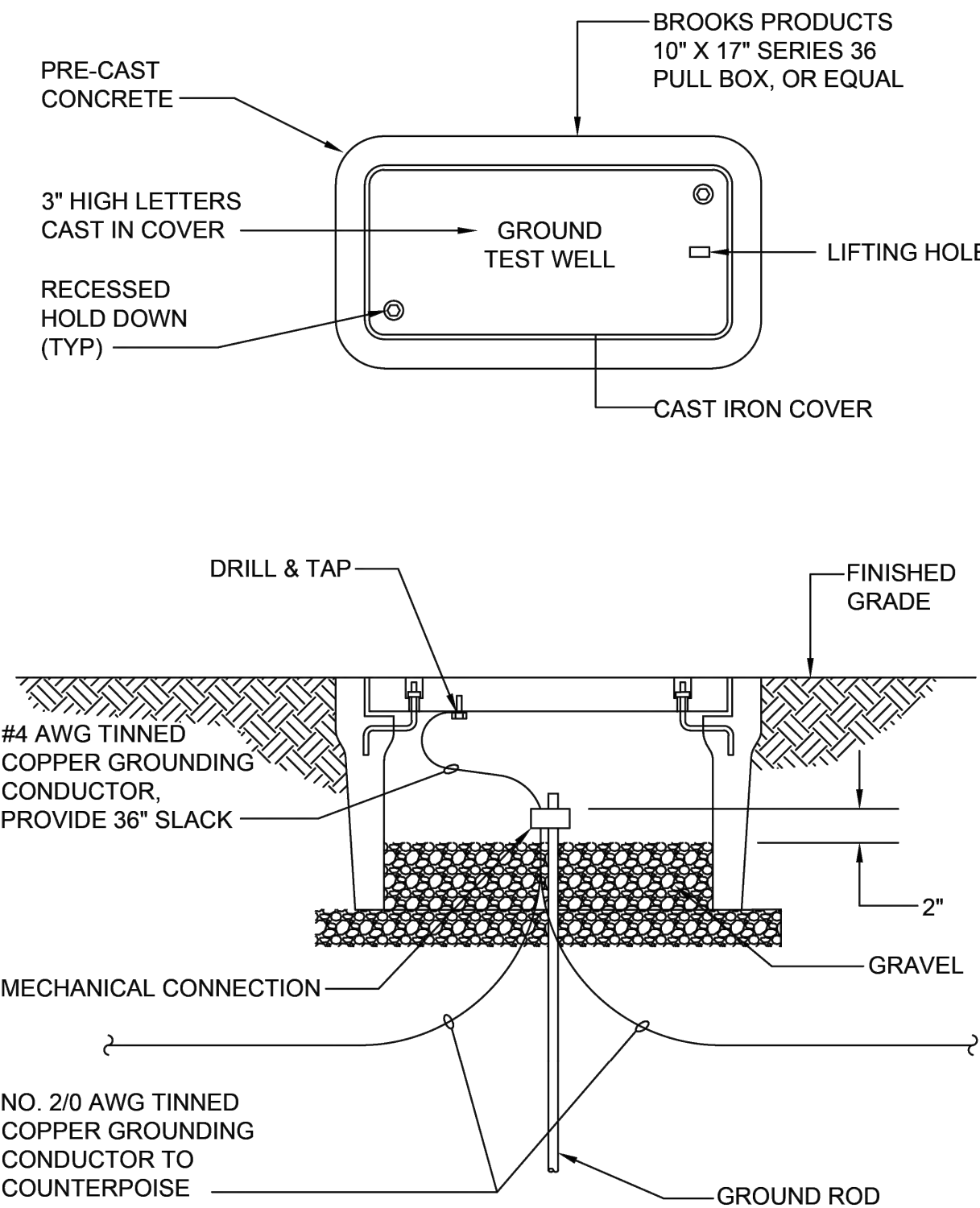


FENCE POST GROUNDING (TYPICAL)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 A

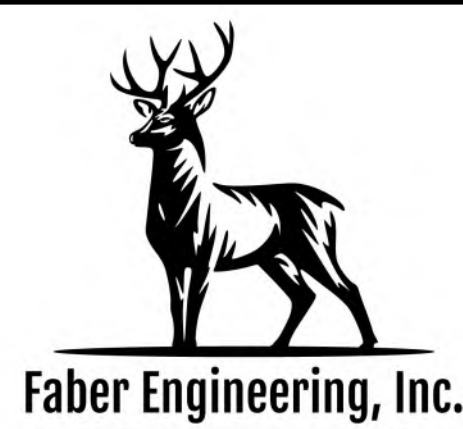


GROUND TEST WELL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 B



3165 MCCORRY PLACE, STE. 151
ORLANDO, FL 32803
(407) 595-1566

SEAL:

THOMAS FABER, P.E. #87427
REGISTERED PROFESSIONAL ENGINEER
FABER ENGINEERING, INC.

LIFT STATION PLAN AND DETAILS

LESTER OAKS
APOPKA, FL

PROJECT PHASE:
CONSTRUCTION PLANS

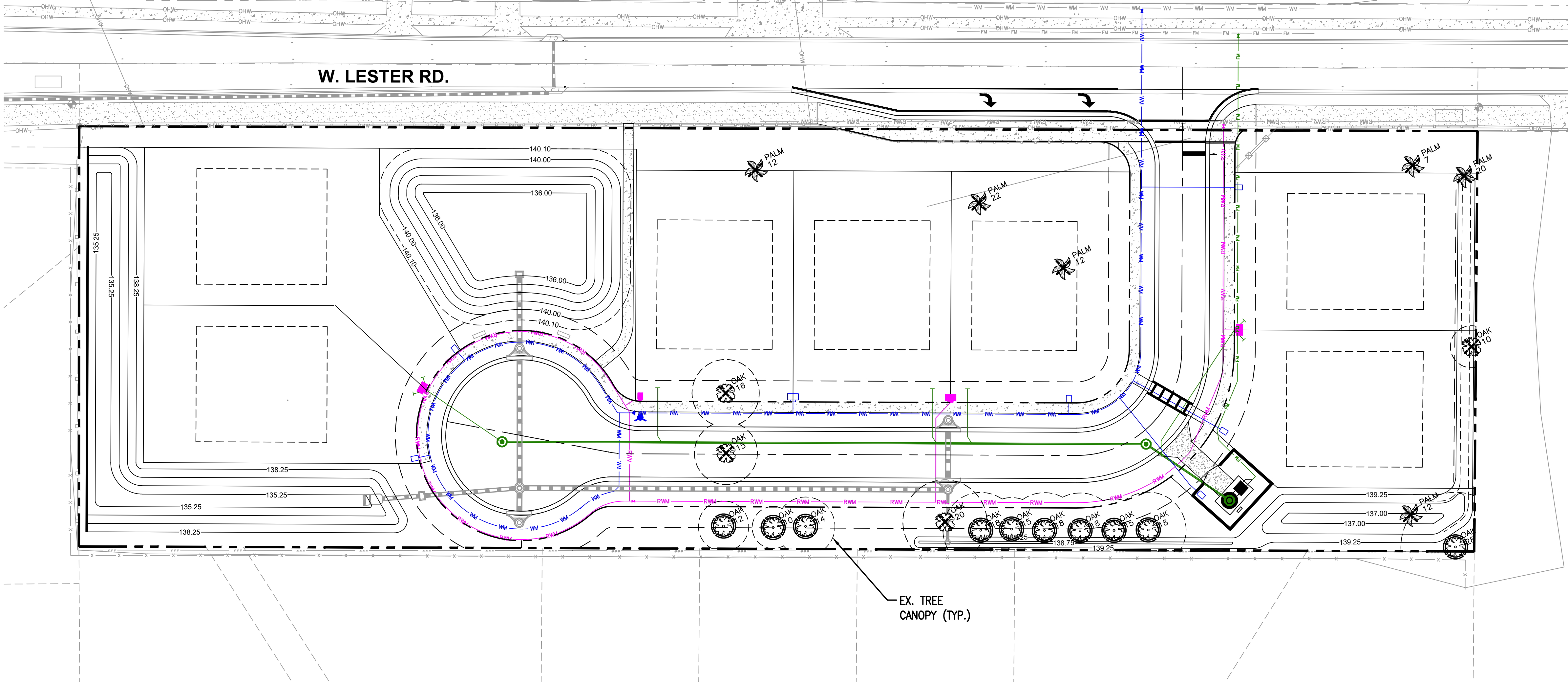
APPLICANT:
CHRIS WILLIAMS
550 W LESTER RD.
APOPKA, FL 32712

REV#	DATE	REVISION PER CITY AND SURVMD COMMENTS
1	07/20/20	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

JOB #: 25021
DATE: 03/30/26
DESIGNED BY: TRF
APPROVED BY: TRF

C13.1

IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED.
ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.



Protected Trees to be Saved			
TYPE	Count	SIZE	INCHES
OAK	2	15	30.0000
OAK	4	18	72.0000
OAK	1	14	14.0000
OAK	1	28	28.0000
OAK	1	12	12.0000
OAK	1	10	10.0000
	10		166.0000

Protected Trees to be Removed			
TYPE	Count	SIZE	INCHES
OAK	1	15	15.0000
OAK	1	16	16.0000
OAK	1	10	10.0000
OAK	1	20	20.0000
	4		61.0000

REPLACEMENT (1:1) = 4 TREES

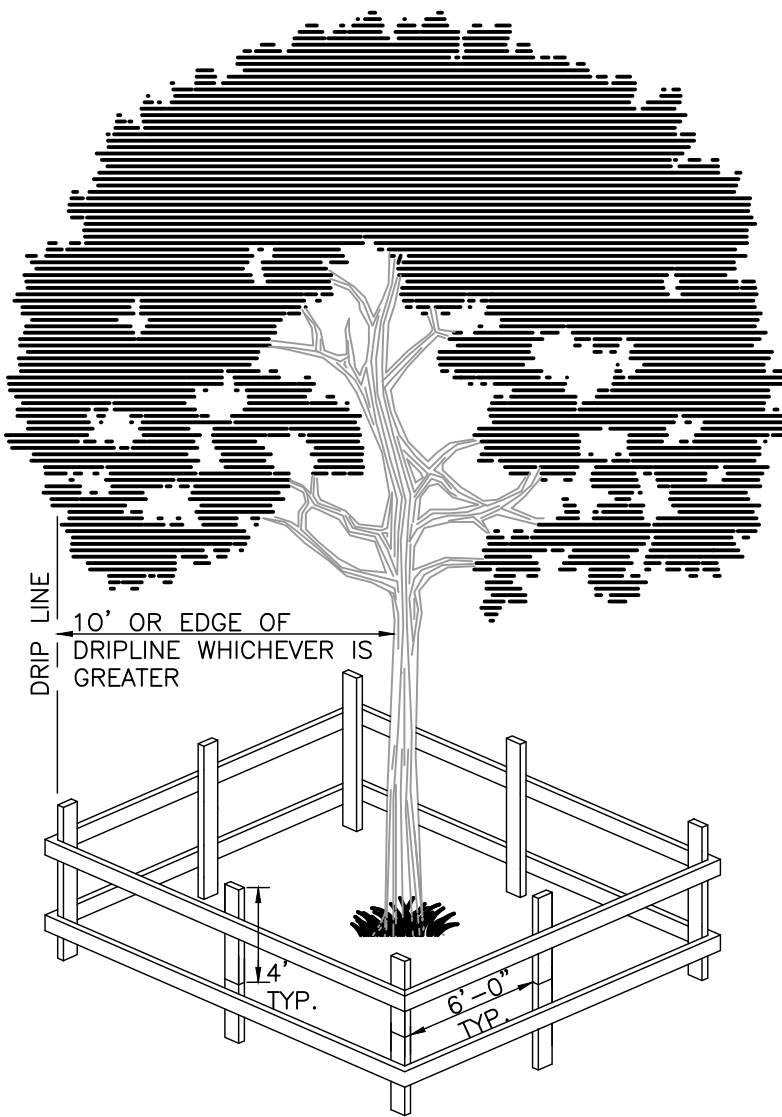
EXISTING TREE CANOPY = 7,749 (100%)

EXISTING TREE CANOPY REMOVED = 2,802 SF. (36%)

EXISTING TREE CANOPY RETAINED = 4,947 SF. (64%)

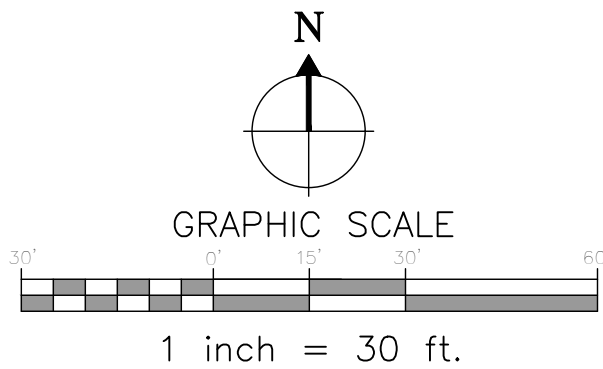
SYMBOLS	
	TREES TO BE SAVED
	TREES TO BE REMOVED

EXISTING PROTECTED TREE TOTALS	
TOTAL TREES REMOVED = 4	
TOTAL CALIPER REMOVED = 62"	
TOTAL TREES PRESERVED = 20	
TOTAL CALIPER PRESERVED = 166"	
REQUIRED REPLACEMENT = 4 TREES	



NOTE:
Posts shall be used as protective barriers to the roots and trunk of every tree on the parcel being developed. The posts shall be placed at points not closer than three-quarters (3/4) the radius of the drip-line of the protected tree, unless the structure has been permitted by Planning, Zoning & Development Department to be erected within the drip-line of a tree with a wide canopy. Each section of the barrier shall be clearly visible (flagged with brightly colored plastic tape or other markers). No attachments or wires other than those with protective or non-damaging nature shall be attached to any tree.

1 TYPICAL TREE PROTECTION DETAIL
SCALE= N.T.S.



P.O. BOX 2852 - Winter Park, Florida 32790-2852 - Phone 407-579-8111 - Email: randy@landscapedynamics.com

DATE: 3-16-26
JOB #: 2026-008

PERMIT #

DRAWN BY: BRB

FILE NAME: Tree Mitigation

SCALE: 1:30

TM100

Tree Mitigation Plan
Lester Oaks
Apopka, Florida

LANDSCAPE
dynamics
LANDSCAPE ARCHITECTS AND PLANNERS, LLC

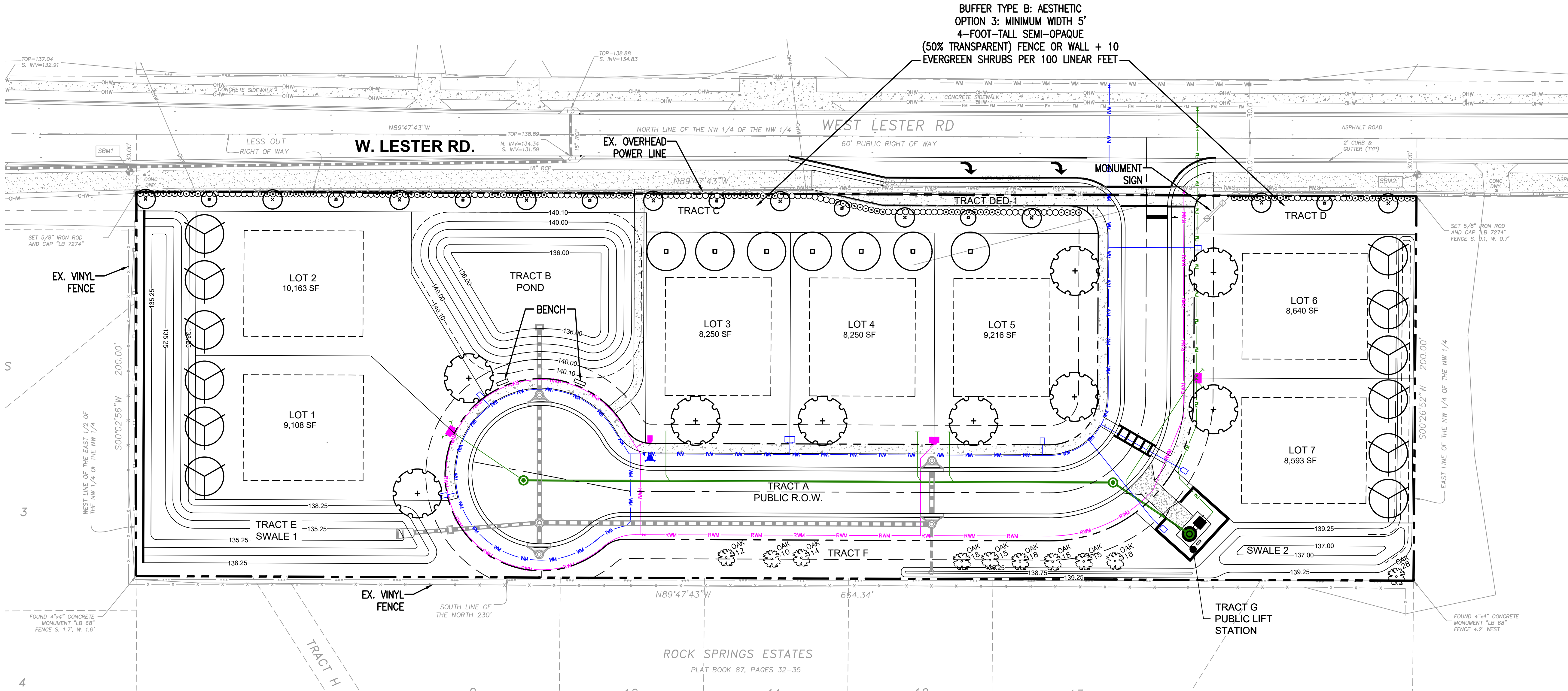
Mr. Chris Williams
Property Owner
550 W. Lester Road
Apopka, FL 32712

CONTRACTOR MUST REVIEW
ALL GENERAL LANDSCAPE
NOTES PRIOR TO BIDDING AND
CONSTRUCTION

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CALL SUNSHINE
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FLORIDA LAW REQUIRES
UNDERGROUND UTILITY
LOCATIONS TO BE
MADE KNOWN TO ALL
CONTRACTORS
FACILITIES NO LESS THAN TWO
(2) DAYS PRIOR TO EXCAVATION

LANDSCAPE ARCHITECT:
Robert R. Buchanan LA0000932
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ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.



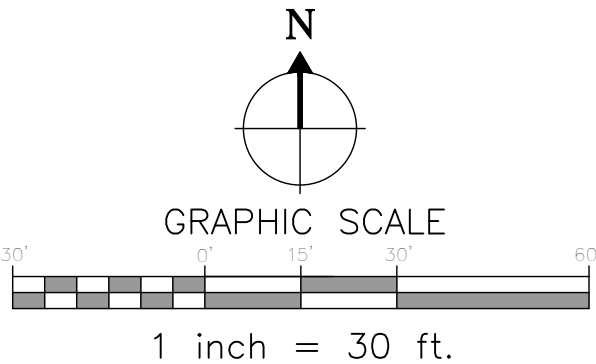
Plant List – Lester Oaks

CNT	SYM	BOTANICAL	COMMON	SPECIFICATIONS
Trees				
12	AR	Acer rubrum	Red Maple	8' min. ht., 3" caliper
7	MG	Magnolia grandiflora	Southern Magnolia	8' min. ht., 3" caliper
9	QV	Quercus virginiana	Live Oak	8' min. ht., 3" caliper
7	MGL	Magnolia grandiflora 'Little Gem'	Little Gem Magnolia	6' min. ht., 3" caliper
10	LI	Lagerstroemia indica	Crape Myrtle	6' ht., 2" cal, std.
Shrubs & Groundcover				
90	MF	Myrcianthes fragrans	Simpson's Stopper	36" ht., 36" o.c.
106	VOW	Viburnum obovatum 'Mrs. Schiller's Delight'	Walter's Viburnum	36" ht., 36" o.c.
Sod & Mulch				
	MULCH		Mini Pine Bark	3" Depth
	AUG	Stenotaphrum secundatum	St. Augustine	solid sod, weed free, count by contractor
	SOD	Paspalum notatum	Bahia Sod	solid sod, weed free, count by contractor

EXISTING TREE LEGEND	
	EXISTING OAK TREE

PLANT SYMBOLS	
TREES	
	MAGNOLIA
	LIVE OAK
	RED MAPLE
	GRAPE MYRTLE
	MAGNOLIA LITTLE GEM
SHRUBS	
	WALTER'S VIBURNUM
	SIMPSON'S STOPPER

- NOTES:**
- Irrigation system to be a permanent system.
 - The irrigation plan shall be designed and installed to conform to this Code.
 - All plant material shall be FL. Grade #1 and "Florida Friendly".



DATE: 3-16-26
JOB #: 2026-009
PERMIT #
DRAWN BY: JCS
FILE NAME: LANDSCAPE

REVISIONS
1 7/21/26 Comments
2
3
4
5
6
7
8

SCALE: 1"=30'

L100

P.O. BOX 2852 - Winter Park, Florida 32790-2852 - Phone 407-579-8111 - Email randy@landscape-dynamics.com

Landscape Plan
Lester Oaks
Apopka, Florida

LANDSCAPE
dynamics
LANDSCAPE ARCHITECTS AND PLANNERS, LLC

Mr. Chris Williams
Property Owner
550 W. Lester Road
Apopka, FL 32712

LANDSCAPE ARCHITECT:
Robert R. Buchanan
LA0000932

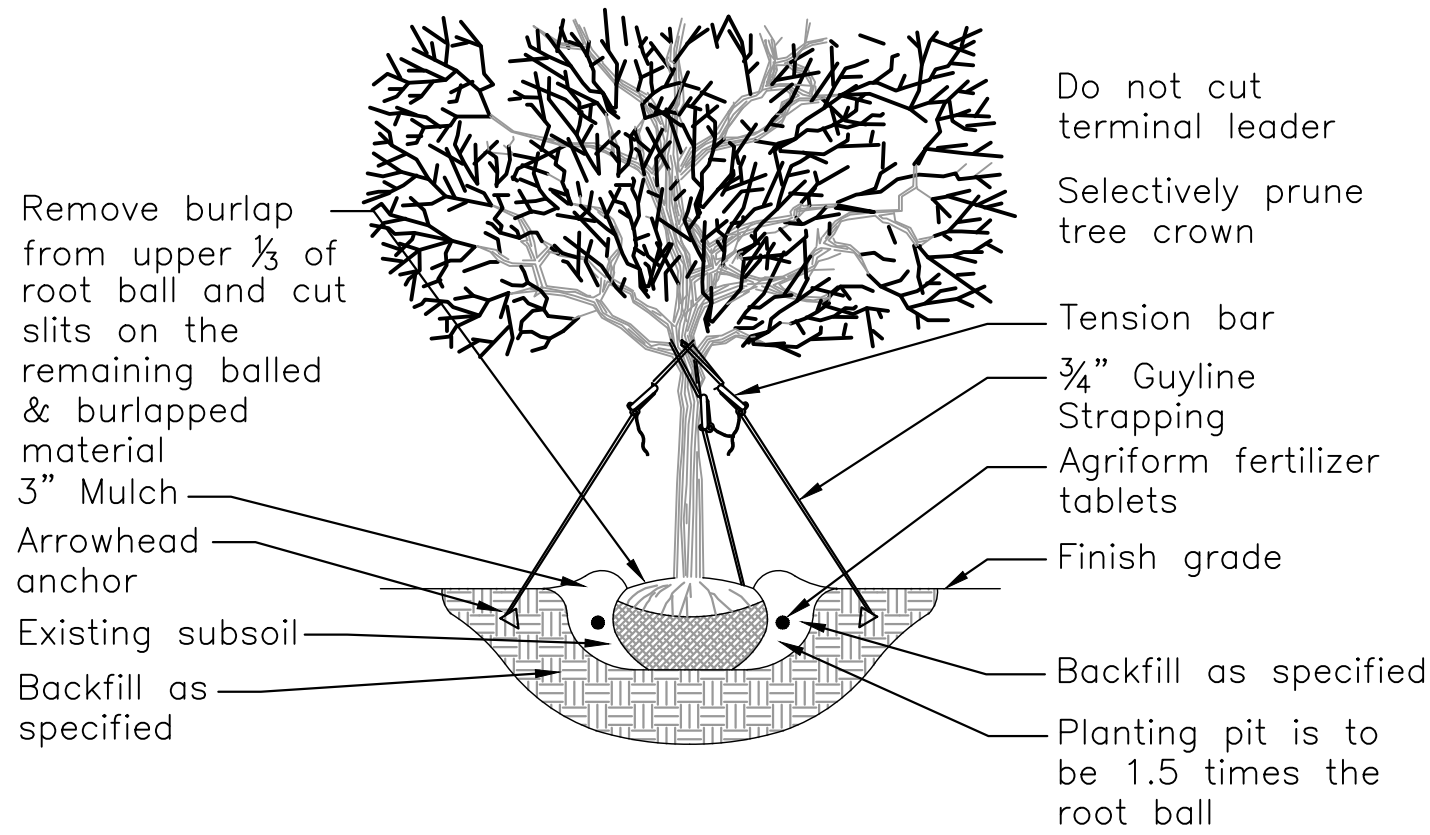
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BY ANY MEANS.

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IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED, ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.



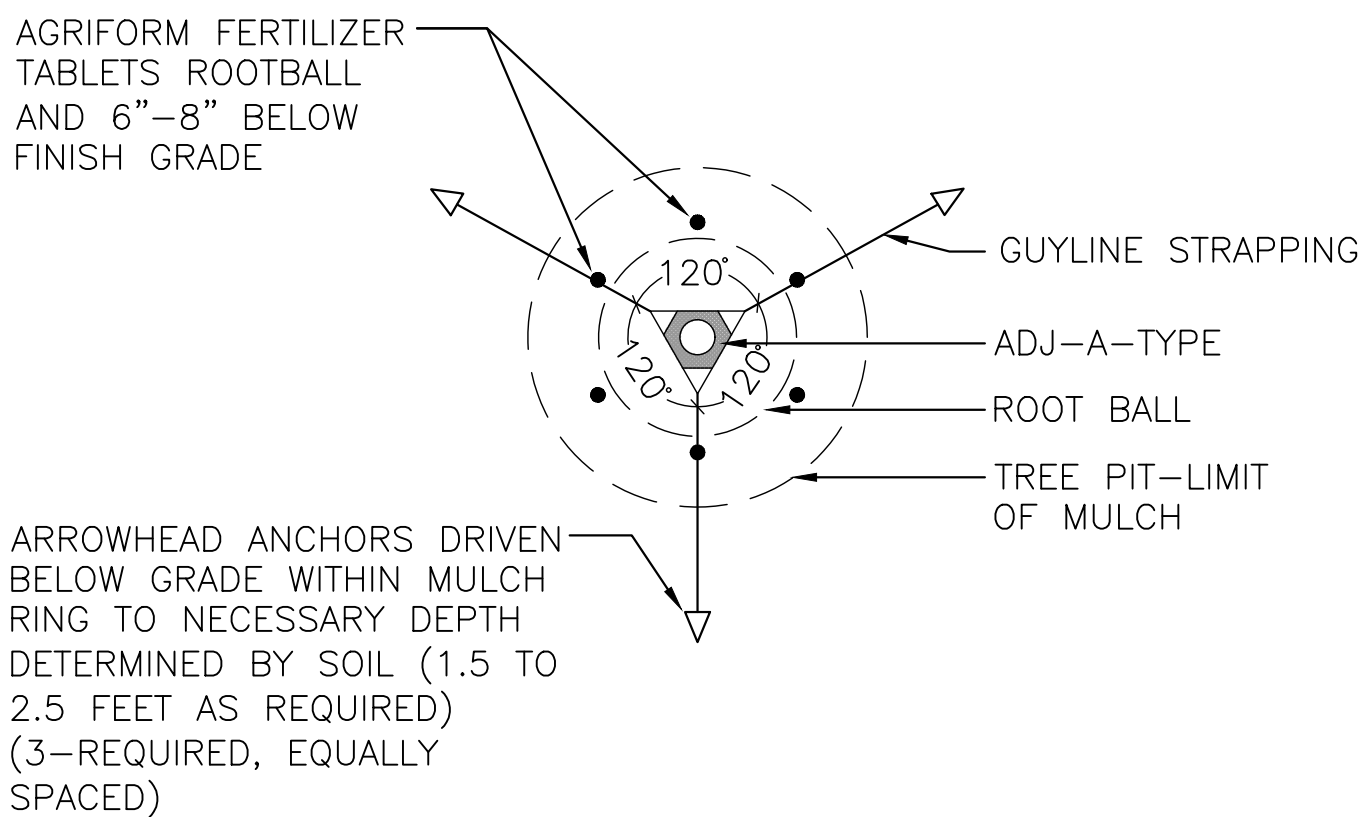
PRO20:

For up to 2" Caliper Trees
(3) ARBORGUY™ Guylines 3/4" x 12' = 600 lb test Black or Green, UV resistant, polypropylene strapping
(3) "Tool-Free" Tension Bars™
(3) Arrowhead *Anchors (4" x 3-3/4")

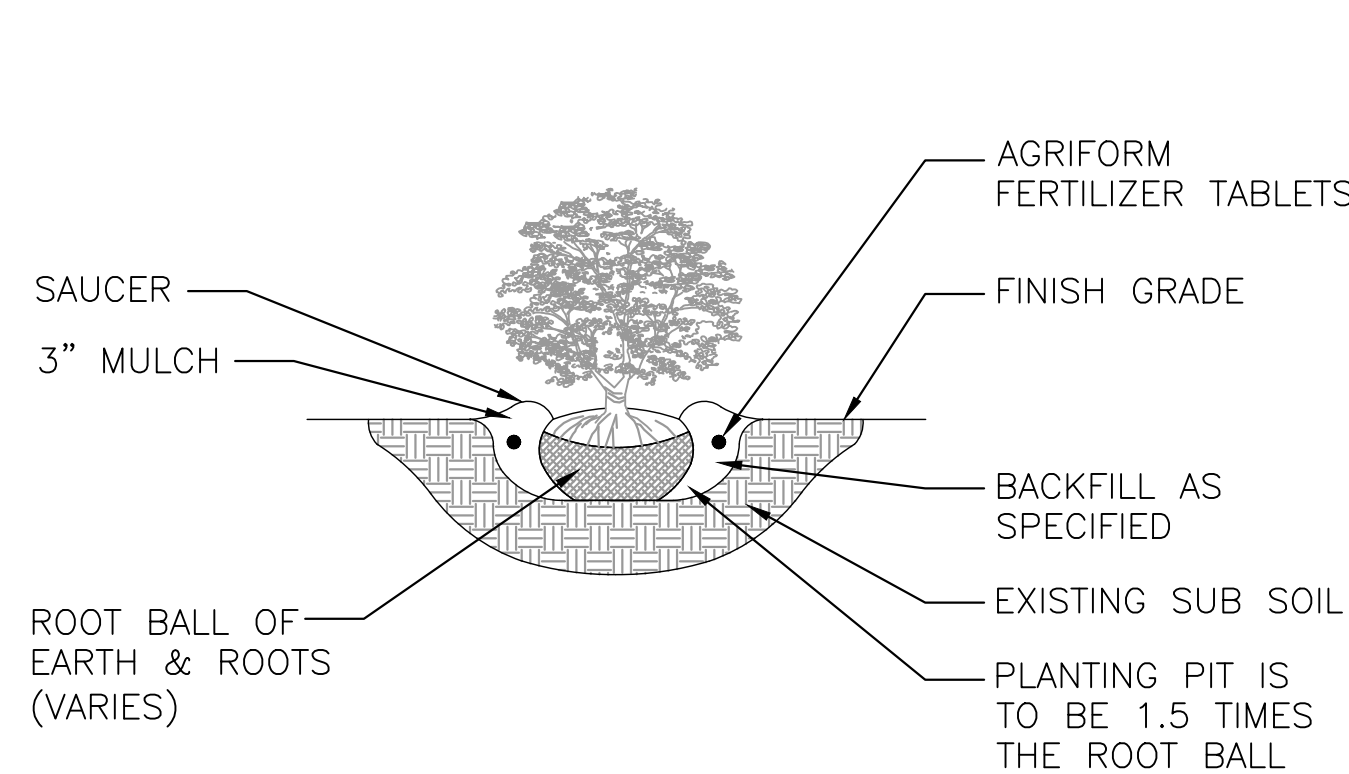
PRO40:

For up to 4" Caliper Trees
(3) ARBORGUY™ Guylines 1"x12' = 600 lb test, Black or Green, UV resistant polypropylene strapping
(3) "Tool-Free" Tension Bars™
(3) Arrowhead Anchors (4-3/4"x3-3/4")

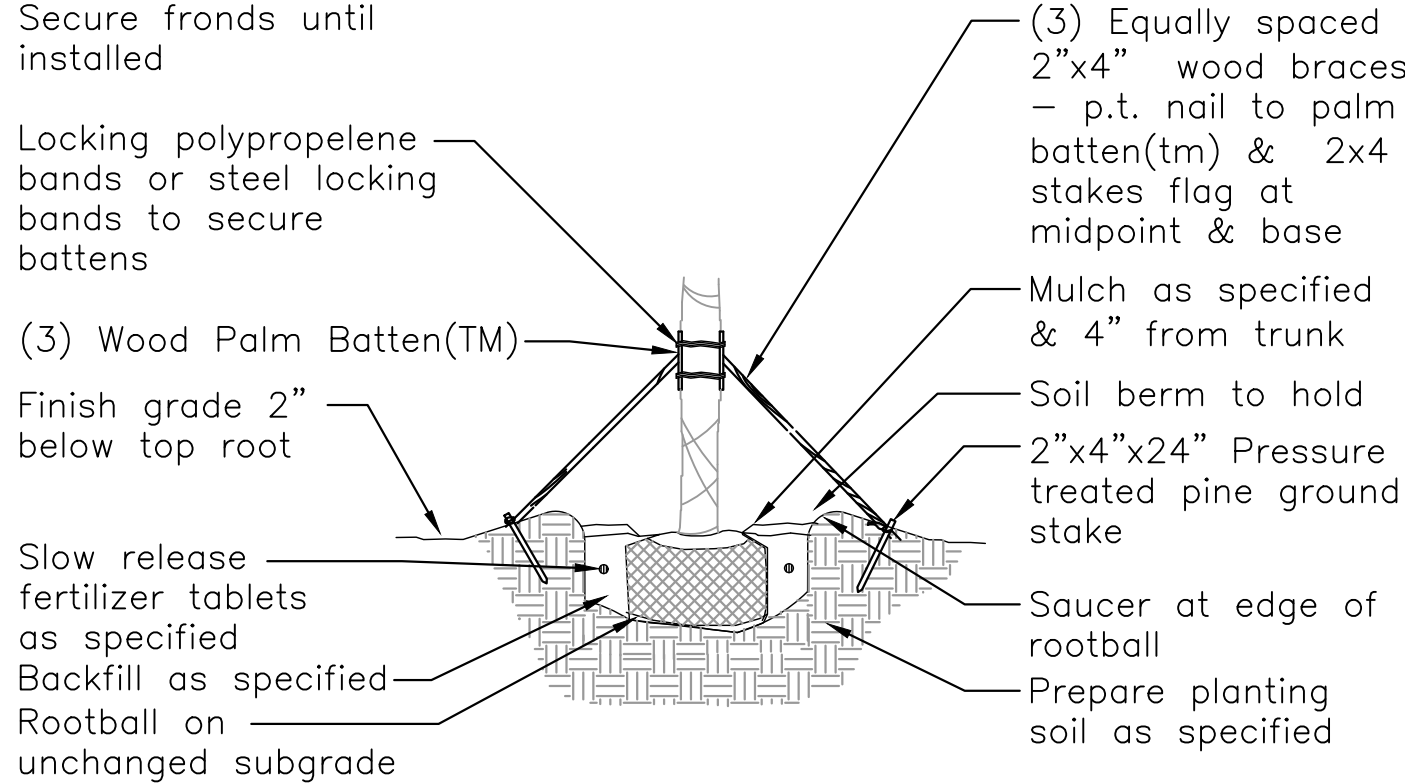
1 ARBORGUY PRO20/PRO40 STAKING AND PLANTING DETAIL
L200 SCALE= N.T.S.



3 TREE STAKING DETAIL
L200 SCALE= N.T.S.



5 TYPICAL SHRUB/GROUNDCOVER PLANTING DETAIL
L200 SCALE= N.T.S.



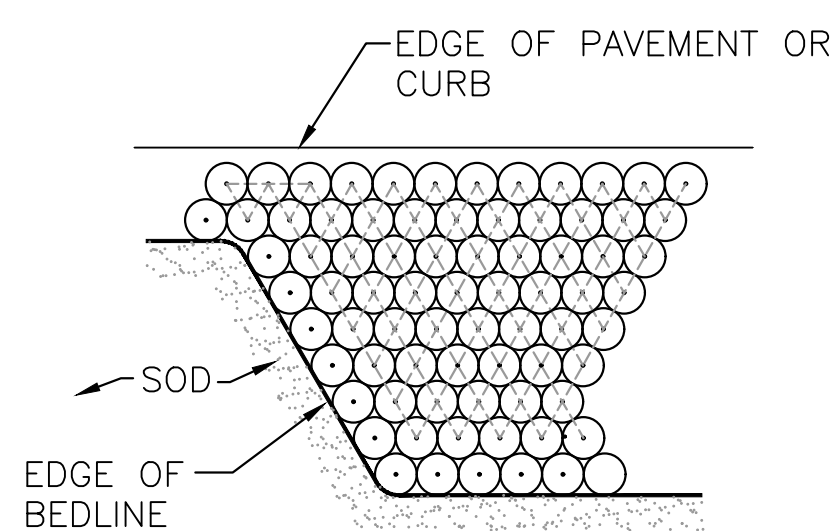
PBKM (Metal Bands)

(3) 1 1/2"x3 1/2"x12" (2x4 wood) battens with 5 layers of burlap backing and (4) staple guides for banding, pre-notched (to accept 2"x4"x8' support braces)
(2) 44" plated carbon steel bands with tensioning and locking screw / clamp

PBKC (Polypropelene Bands)

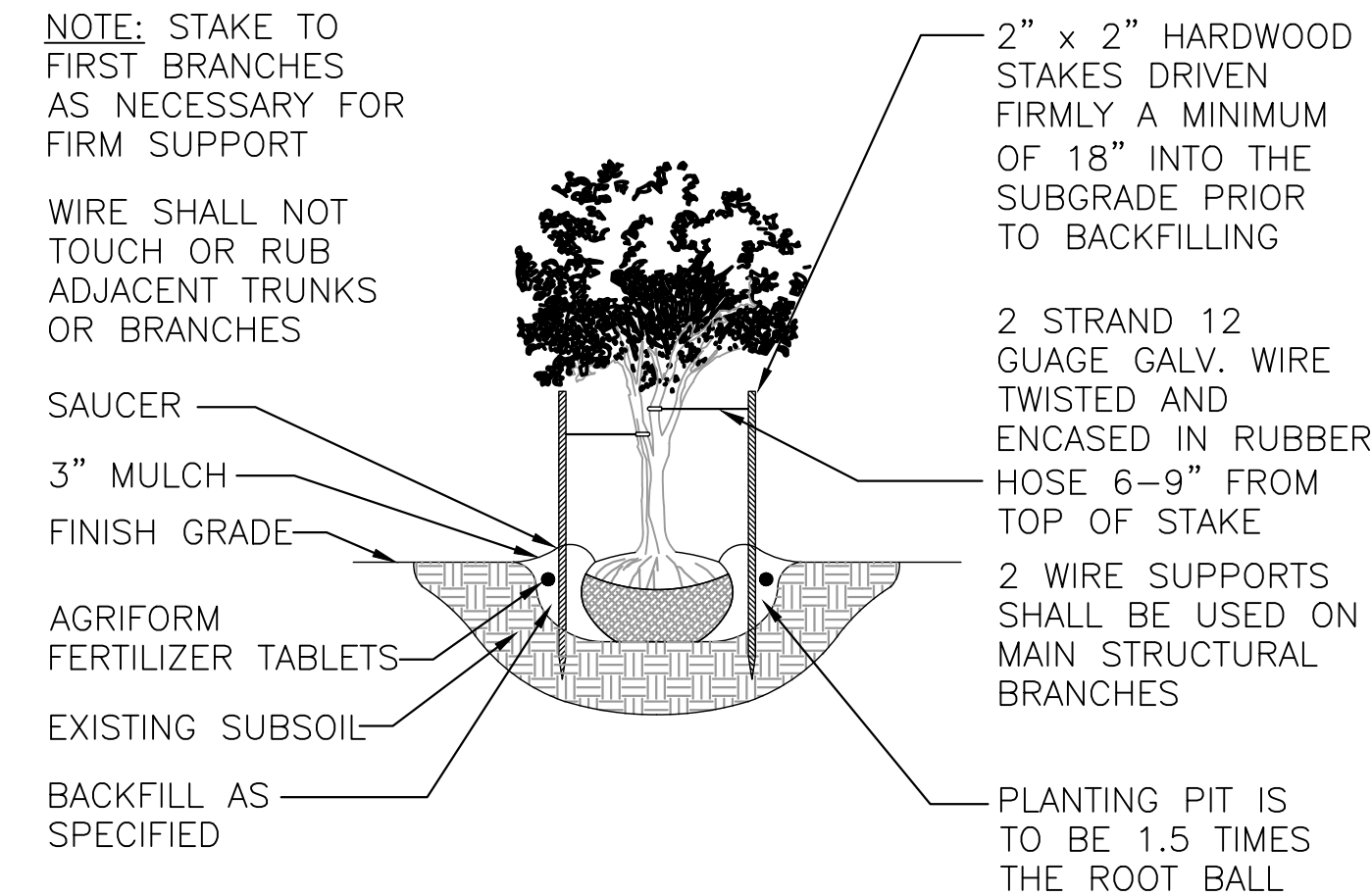
(3) 1 1/2"x3 1/2"x12" (2x4 wood) battens with 5 layers of burlap backing and (4) staple guides for banding, pre-notched (to accept 2"x4"x8' support braces)
(2) 8"x1", 600 lb test webbing bands with metal spring locking clamps

2 ARBORGUY PALM BATTEN DETAIL
L200 SCALE= N.T.S.



NOTE: FORM EDGE OF BED, THEN FILL IN BED AT TRIANGULAR SPACING AS SPECIFIED ON PLANT LIST.

4 TYPICAL SPACING DETAIL
L200 SCALE= N.T.S.



6 MULTI-TRUNK STAKING DETAIL
L200 SCALE= N.T.S.

GENERAL LANDSCAPE NOTES:

Failure to notify Landscape Architect of plan, detail, or specification discrepancies prior to construction, makes contractor responsible for all costs incurred for construction charges, not the owner or his representative (Landscape Dynamics) The Owner must maintain the height of all plants within the "Line-Of-Site" triangle area to a height of no greater than 24" above grade for shrubs and groundcover, and tree branching no lower than 72" above finish grade, to ensure clear site line views toward traffic at road and driveway intersections. Landscape Dynamics is not responsible for continued maintenance of such plant material. The owner, leasing company and/or the landscape maintenance company accepts full responsibility for these maintenance requirements.

-Landscape contractor (LC) shall be responsible for all materials and work called for on the landscape plans and in the landscape notes and legend. Plant specifications are minimum acceptable sizes. Plans shall rule if there are any quantity discrepancies between the legend and plans. Final quantity takeoffs are the responsibility of the LC. Notify the Landscape Architect of any discrepancies.
-LC shall comply with all local codes and ordinances and obtain all permits and bonds necessary to construct the project.
-LC shall coordinate their work with other contractors to assure efficient and timely completion of the work.
-LC shall be responsible for supplying all materials, labor, and equipment for the performance of their portion of the work.
-LC to verify all existing grades, dimensions, adequate drainage, suitable planting soil and field conditions and notify owner of discrepancies before proceeding with work. Per FL Statutes, LC to call Sunshine State One (811) 72 hours prior to digging to have all utilities located.
-LC to protect existing utilities, structures, surfaces, and vegetation noted to be saved and be responsible for repair/replacement.
-Protect trees to be saved per detail. Vehicle parking, material storage, or soil removal/addition is not permitted within driplines.
-Round-Up shall be applied twice at ten day intervals onto all existing vegetation, sod, and groundcover areas that are to be replanted. Extreme care shall be taken to prevent overspray and/or drift onto existing plant material to be saved. Mfr's recommendations shall be followed. Remaining weeds and their roots shall be removed by hand prior to installation of plants. Resprouting weeds and plants are the responsibility of the LC through the one year warranty period.
-All plant materials shall be graded Florida No. 1 or better as outlined under current Grades and Standards for Nursery Plants, Division of Plant Industry, State of Florida, unless otherwise noted. All plants not listed shall conform to a Florida No. 1 or better as to: (1) health and vitality, (2) condition of foliage, (3) root system, (4) freedom from pest or mechanical damage, (5) heavily branched and densely foliated according to the accepted normal shape of the species. LC to obtain written certification from nurseries that plant materials are Florida No. 1 or better. Trees up to 4" caliper measured at 6" above soil line and over 4" caliper at 12" above soil line unless otherwise noted. All specifications to be met or exceeded unless otherwise noted. All rootballs and containers to be free of weeds and their roots.

-Planting soil of Fla. peat mixed 1/2 with clean topsoil for the backfilling of plant pits and beds shall be required only if existing soil is unsuitable for planting and/or contains lime rock or construction debris (to be removed).
-Trees and palms shall be installed so their top main root at the trunk is visible and 2" above finished grade. If root is buried, remove soil from the top of the rootball prior to installation. Do not apply the 1 1/2" of mulch to the top of the rootball until after inspection of each tree or palm.
-Landscape Architect is not responsible for adverse soil or drainage conditions, determining sub-surface soil conditions, underground objects/utilities or the accuracy of property lines or information portrayed on surveys or on documents or plans provided by others. Owner or their agent is solely responsible for future maintenance of all plantings to maintain safe visibility within all visibility sight triangles and vehicular use and pedestrian areas within and immediately adjacent to the site.
-Finished grade prior to mulching or sodding to be 3" below top of adjacent surfaces such as walks, curbs and driveways extending perpendicularly from the surface edge for a minimum distance of 18". See detail.
-All palms, trees, shrubs, and groundcovers shall be fertilized with Agriform 20-10-5 or SierraTabs 16-8-12 planting tablets. One tablet/ 1 gal, 2 tablets/ 3 gal, 3 tablets/ 5 or 7 gal, 4 tablets/ 10 gal and one tablet/ each 1/2" of tree trunk diameter. Application shall be as per the details and mfr's recommendation.
-All planting beds (except for annuals) and trees to receive med. pine bark mulch. Due to environmental concerns, cypress mulch shall NOT be used. All tree rootballs (which require 4 foot wide mulch rings in turf areas) shall be mulched to a maximum 1 1/2" depth (to aid water penetration) following inspection. All other planting beds to receive a 3" depth. Mulch shall not touch trunks or stems or be applied within the crowns of groundcovers or over their branches or foliage. Mulch is to be applied by hand and shall not be "blown in".
-LC to maintain all plant material in a plumb, upright and stable condition. All trees/palms to be guyed/staked as per details.
-LC to remove all bags (unless biodegradable), tags, ties, wires, ropes, stakes and nursery attachments from all plant material.
-LC shall be responsible to keep plant material in a healthy, hand watered, insect/pest free condition until owner's final acceptance.
-LC to provide a one-year warranty for trees/palms, shrubs, groundcovers, and vines and thirty days for sod. Warranty period shall start with final acceptance by owner. All plant material shall be alive and in satisfactory growth at the end of the warranty period. Replacement plant material shall be warranted for ninety days (sod for thirty days) from replacement date. Warranty shall apply only to material that dies due to poor quality, improper handling, or installation practices. Generally, material transplanted on-site shall not be warranted. Adverse weather conditions shall not apply. Proper watering and maintenance are the owner's responsibility during the warranty period.
-Provide 100% coverage of all landscape areas using automatic underground irrigation system with rain sensor.

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Robert R. Buchanan LA0000932
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811

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Mr. Chris Williams
Property Owner
550 W. Lester Road
Apopka, FL 32712

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Landscape Details and Specs.
Lester Oaks
Apopka, Florida

REVISIONS
1/7/21/26 Comments
1
2
3
4
5
6
7
8

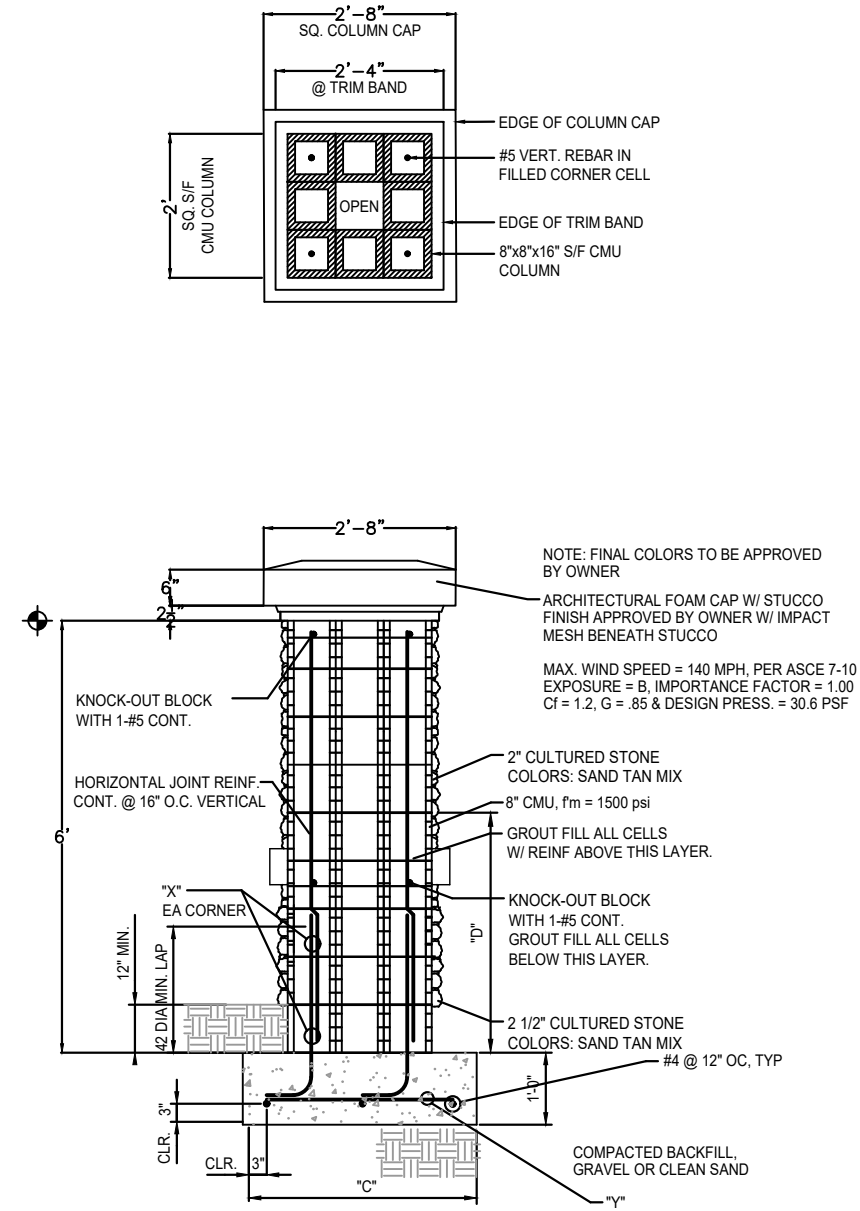
DATE: 3-16-26
JOB #: 2026-009
PERMIT #
DRAWN BY: BRB
FILE NAME: LANDSCAPE
SCALE: N.T.S.

L200

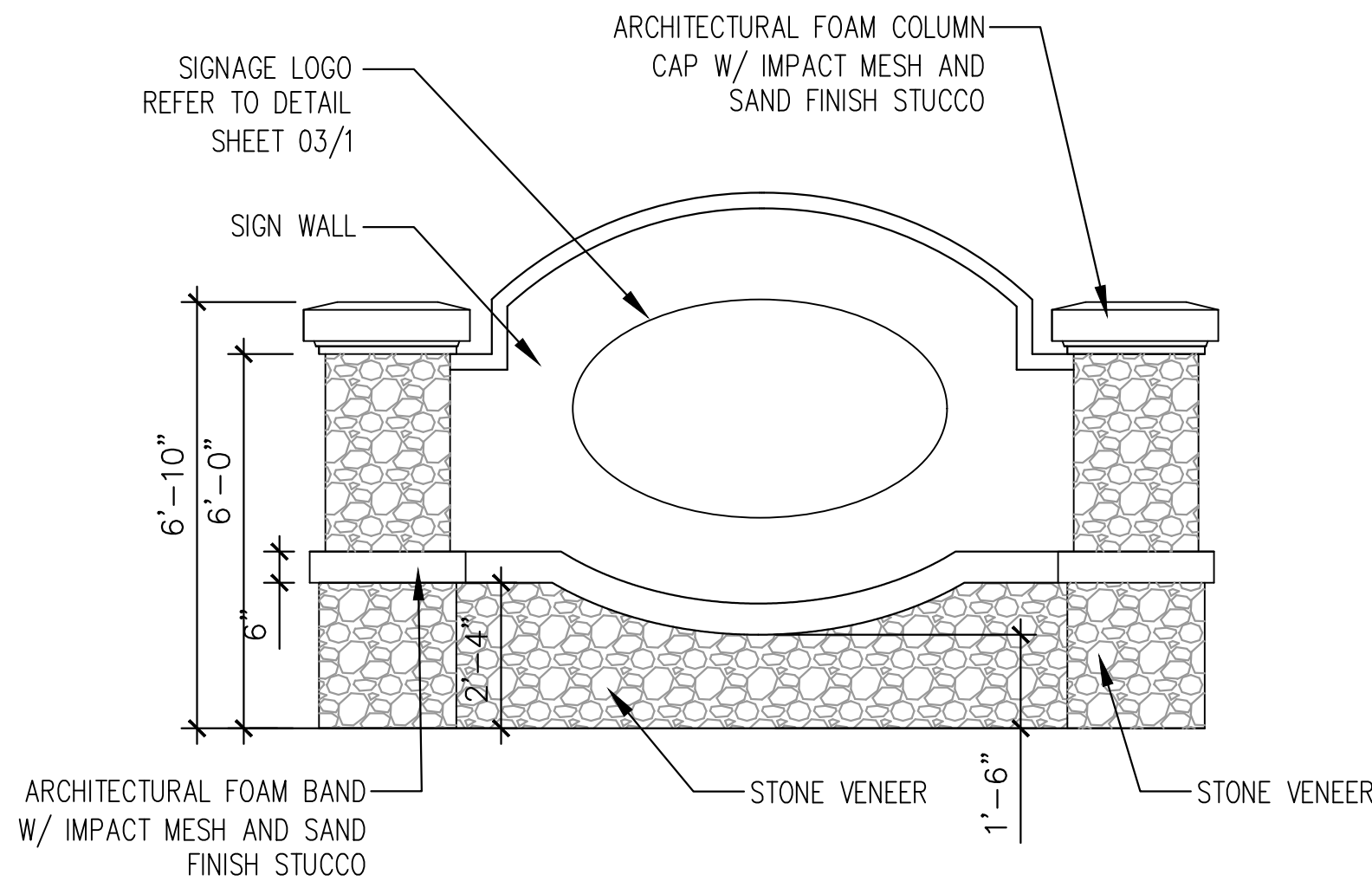
IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED.
ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.

BAR AND DIMENSION SCHEDULE			
MARK	WALL HEIGHT		
	2'-0" TO 2'-0"	3'-1" TO 7'-0"	7'-1" TO 8'-0"
"C"	2'-0"	3'-3"	4'-0"
"D"	NOT REQ'D	NOT REQ'D	4'-8"
"E"	#4	#5	#5
"F"	#5 @ 12"	#5 @ 12"	#5 @ 12"

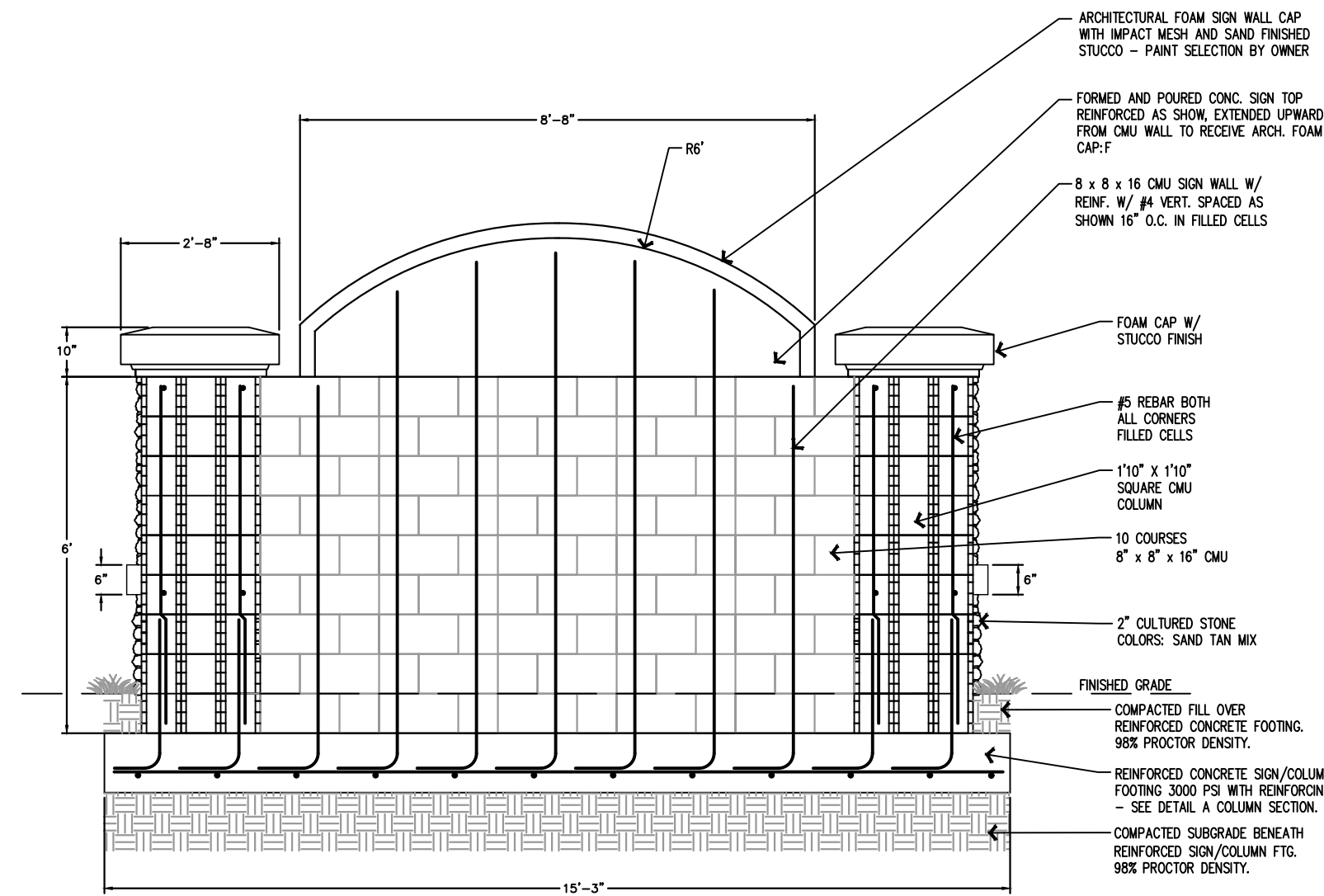
NOTE: CENTERLINE OF FOOTING = CENTERLINE OF WALL



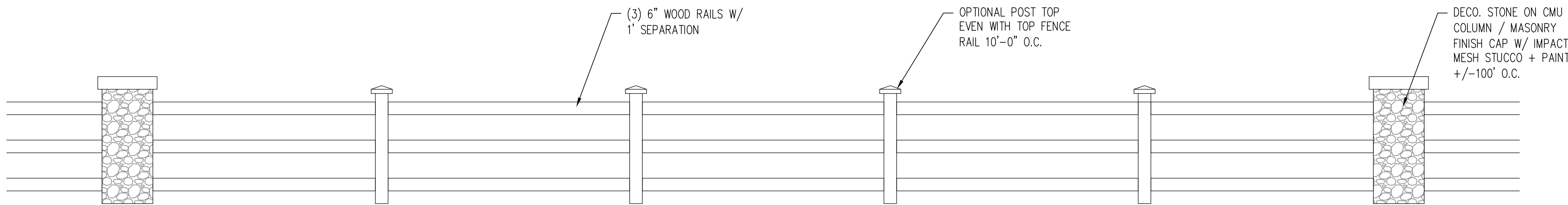
1 STRUCTURAL COLUMN DETAIL
SCALE: 3/8"=1'-0"



2 ENTRY SIGN DETAIL
SCALE: 3/8"=1'-0"



3 STRUCTURAL SIGN DETAIL
SCALE: 3/8"=1'-0"



4 DECORATIVE BORDER FENCE DETAIL - MOORE AVENUE
SCALE: 3/8"=1'-0"

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FACILITIES NO LESS THAN TWO
(2) DAYS PRIOR TO DIGGATION

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CONSTRUCTION

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Apopka, FL 32712

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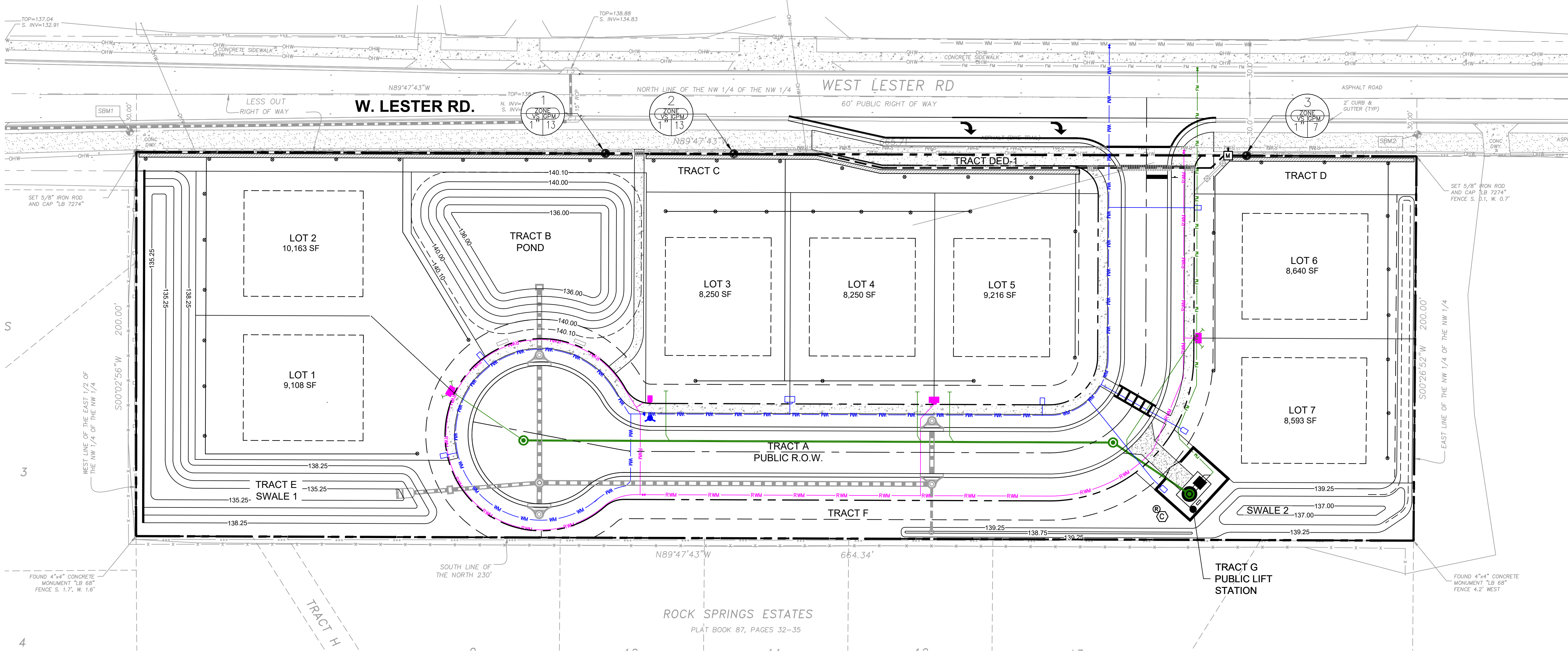
Hardscape Details
Lester Oaks
Apopka, Florida

REVISIONS
1. 7/21/25 Comments
2.
3.
4.
5.
6.
7.
8.

DATE: 3-16-26
JOB #: 2026-009
PERMIT #
DRAWN BY: BRB
FILE NAME: LANDSCAPE
SCALE: NTS

L300

IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED, ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.



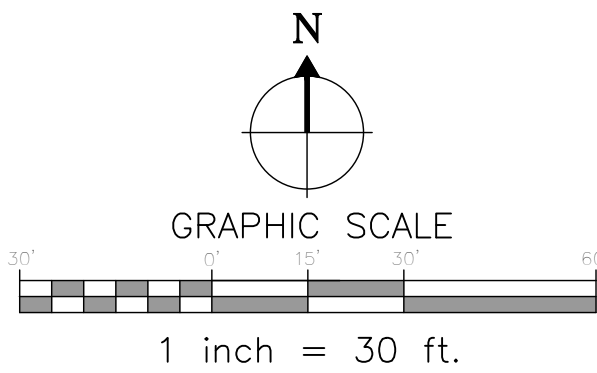
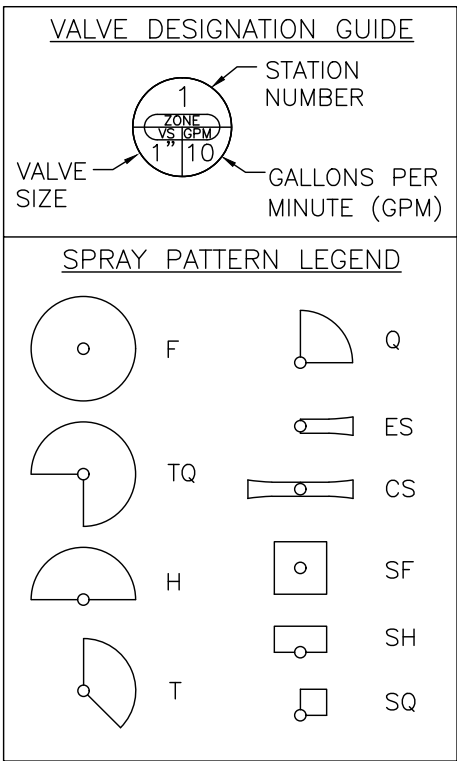
IRRIGATION SYMBOLS:

- RAINBIRD 1804-SAM-PRS (4" SPRAY) (PURPLE)
- RAINBIRD 1806-SAM-PRS (6" SPRAY) (PURPLE)
- RAINBIRD 1812-SAM-PRS (12" SPRAY) (PURPLE)
- ▲ RAINBIRD 1812-SAM-PRS (12" SPRAY ON RISER) (PURPLE)
- ⊗ (2) XERI-BUBBLER ON 1/4" TUBING (PURPLE)
- ⊕ (2) XERI-BUBBLER ON 1/4" TUBING (PURPLE) (2 PER SHRUB - NOT SHOWN)
- ⬤ RAINBIRD 3500 SERIES (ROTOR) (PURPLE)
- ⬤ RAINBIRD 5500 SERIES (ROTOR) (PURPLE)
- ⬤ PEB SERIES ELECTRIC REMOTE-CONTROL VALVE (PURPLE)
- ⬤ CONTROL ZONE KIT WITH PRESSURE REGULATING BACKFLUSH FILTER (PURPLE)
- ⬤ RAINBIRD ESP-MC PLASTIC WALL-MOUNT (CONTROLLER) (PURPLE)
- ⬤ RAINBIRD RSD-CRX ROOF CONDUIT (RAIN SENSOR) (PURPLE)
- ⬤ BACKFLOW PREVENTER
- ⬤ 1" WATER METER (PURPLE)
- CLASS 200 PVC LATERAL LINE (PURPLE)
- - - CLASS 200 PVC LATERAL ROTOR LINE (PURPLE)
- - - POLYETHYLENE TUBING BUBBLER LINE (PURPLE)
- - - LANDSCAPE DRIPLINE TUBING (PURPLE)
- ▨ LANDSCAPE DRIP AREA (PURPLE) (TUBING AND EMITTERS 12" O.C.)
- - - 1½" PVC LATERAL MAINLINE (PURPLE)
- ▨ PVC SCH 40 SOLVENT WELD SLEEVE PIPE (S.L.) - SIZE TO BE DOUBLE THAT OF THE LATERAL LINE (PURPLE)
- ◆ POINT OF CONNECTION - PVC TO DRIP TUBING

NOTE: (PIPE TO BE SIZED NOT TO EXCEED A VELOCITY OF 5 FPS / MAX. PSI LOSS IN ZONE LINES NOT TO EXCEED 10% OF OPERATING PSI) MINIMUM PIPE SIZE TO BE ¾"

GENERAL IRRIGATION NOTES:

- 1) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS. HAND DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DIAMETER.
- 2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
- 3) ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING A PVC SWING PIPE CONNECTION. DO NOT USE POLYETHYLENE PIPE.
- 4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING. USE ADJUSTABLE NOZZLES WHERE REQUIRED TO AVOID ANY WATER ON BUILDING WINDOWS.
- 5) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING KING "ONE STEP" CONNECTORS AND SEALANT WITH WIRE NUTS.
- 6) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL IRRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON A WHITE BOND PAPER COPY OF THE IRRIGATION PLAN ANY INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN.
- 7) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE WHEN USING REUSE WATER.
- 8) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS OR INSIDE A SCH. 40 SLEEVE.
- 9) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.
- 10) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.
- 11) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP. (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS)
- 12) ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO A JUNCTION BOX OR DISCONNECT AT THE EQUIPMENT LOCATION BY THE ELECTRICAL CONTRACTOR OR BY OWNER WHEN IT IS NOT PART OF THE BID PACKAGE.
- 13) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE TYPES TO DETERMINE THE CORRECT SPACING OF THE HEADS. THE CONTRACTOR SHALL NOT SPACE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL HOLD THE IRRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOO IN THESE AREAS.
- 14) IRRIGATION SYSTEM DESIGN REQUIREMENTS: 60 GPM @ A MINIMUM OF 60 PSI AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY THE AVAILABLE GPM AND PSI PRIOR TO INSTALLATION OF THE SYSTEM.
- 15) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER)



LANDSCAPE ARCHITECT:
Robert R. Buchanan LA0000932

48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA
FLORIDA LAW REQUIRES
UNSATURATED TOWNSHIP
FACILITIES NO LESS THAN TWO
(2) DAYS BEFORE TOWNSHIP

CONTRACTOR MUST REVIEW
ALL GENERAL LANDSCAPE
NOTES PRIOR TO BIDDING AND
CONSTRUCTION

Mr. Chris Williams
Property Owner
550 W. Lester Road
Apopka, FL 32712

LANDSCAPE
dynamic
LANDSCAPE ARCHITECTS AND PLANNERS, LLC

P.O. BOX 2852 - Winter Park, Florida 32790-2852 - Phone 407-579-8111 - Email randy@landscape-dynamics.com

REVISIONS

1/7/21/25 Comments

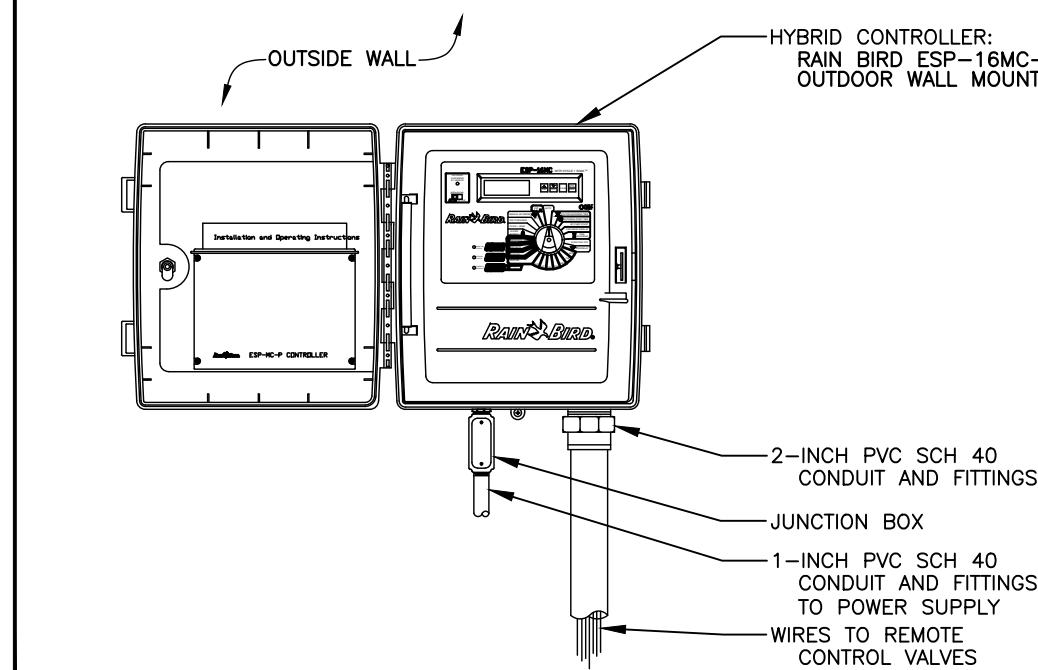
2/3/4/5/6/7/8

IR100

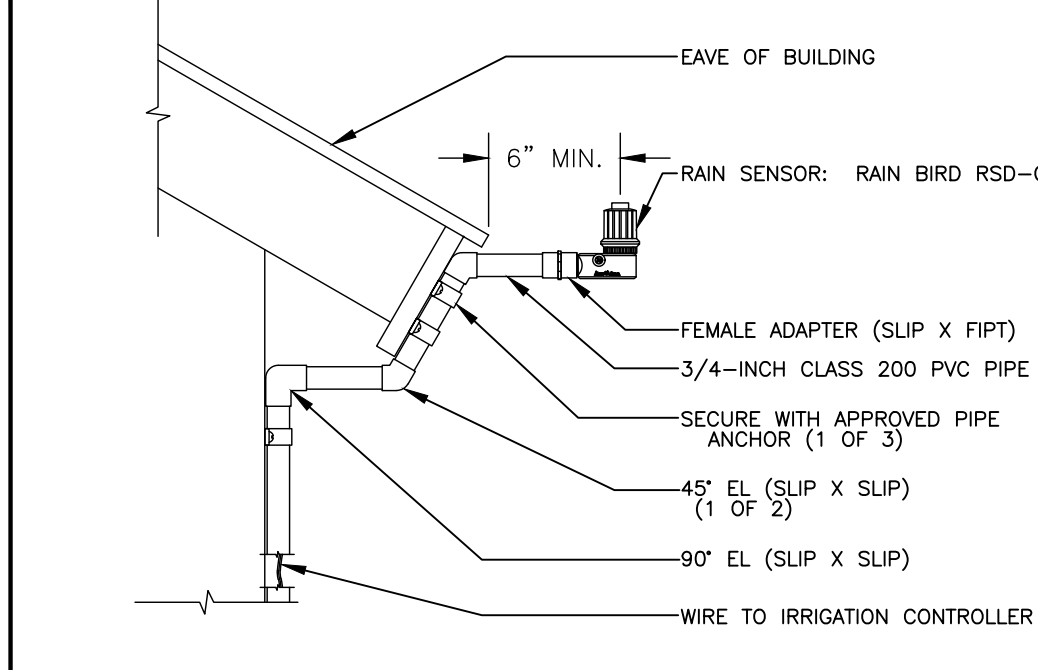
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JOB #: 2026-009
PERMIT #
DRAWN BY: BRB
FILE NAME: IRRIGATION
SCALE: 1"=30'

IR100

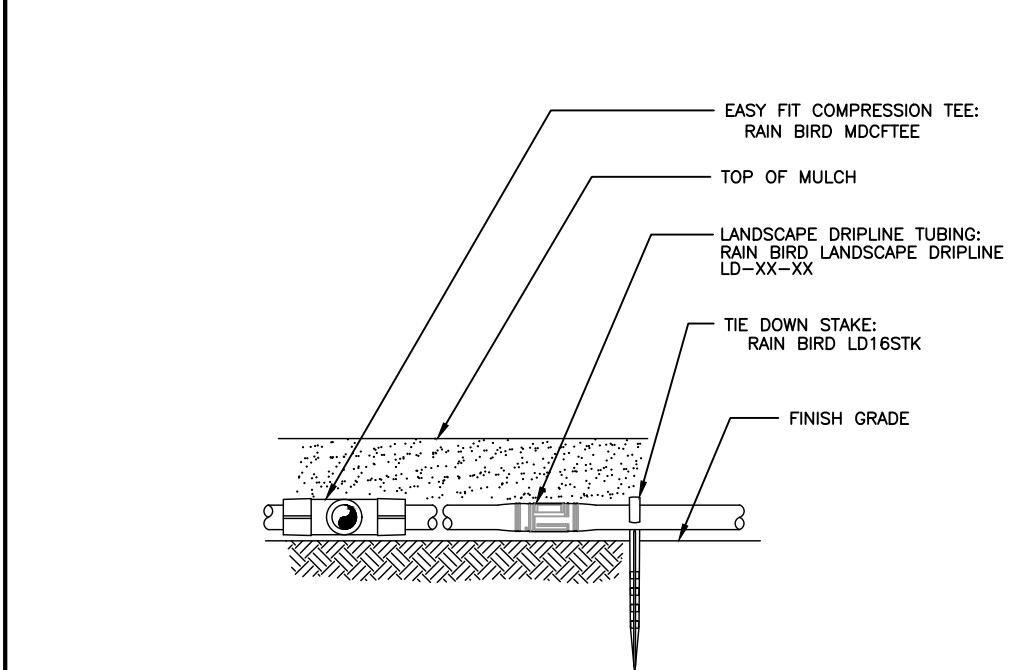
IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED, ADJUST THE SCALE TO THE DRAWING ACCORDINGLY.



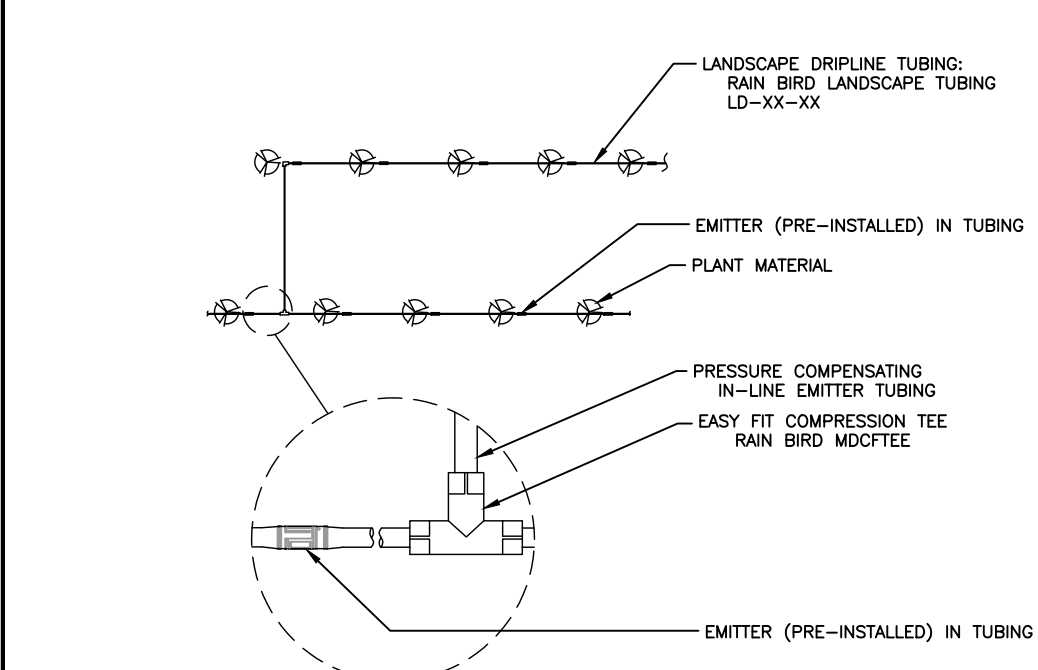
1 FOUR PROGRAM HYBRID CONTROLLER
ESP-MC PLASTIC WALL-MOUNT N.T.S.



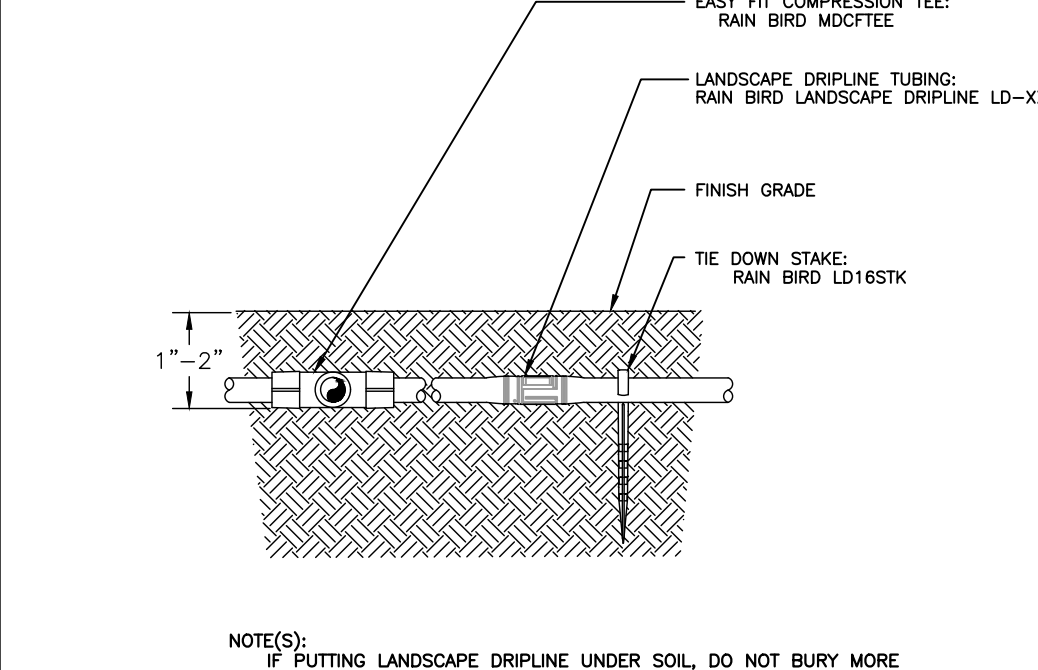
2 RAIN SENSOR
RSD-CEx ROOF CONDUIT N.T.S.



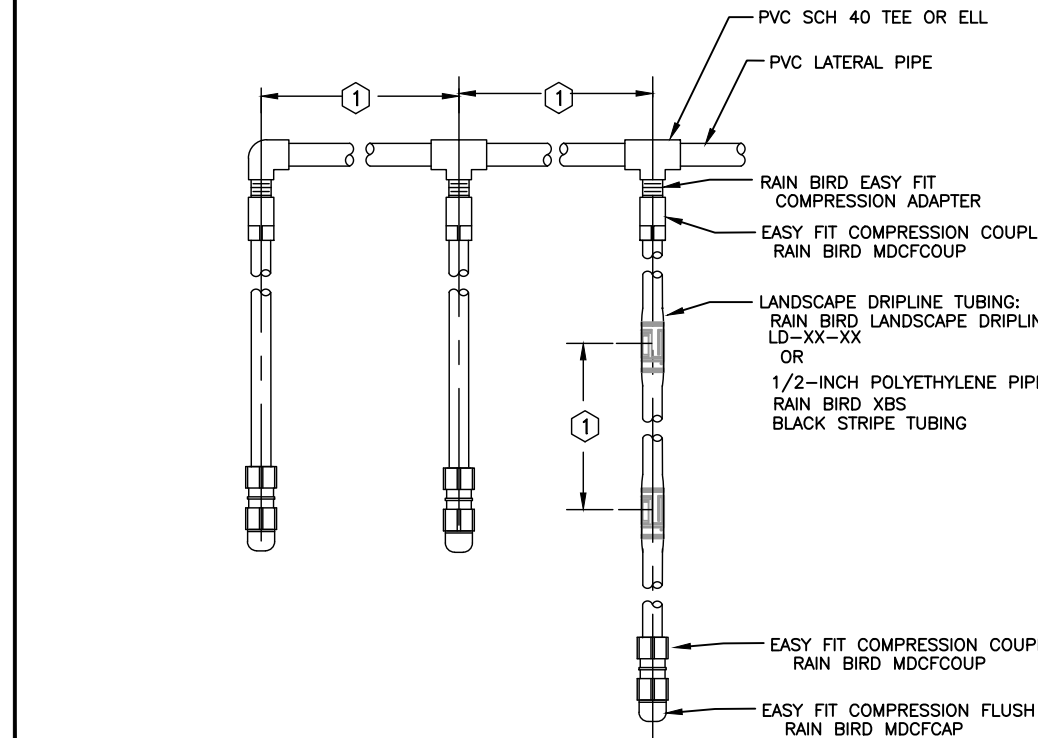
3 LANDSCAPE DRIPLINE ON GRADE
NON-POTABLE SYSTEM N.T.S.



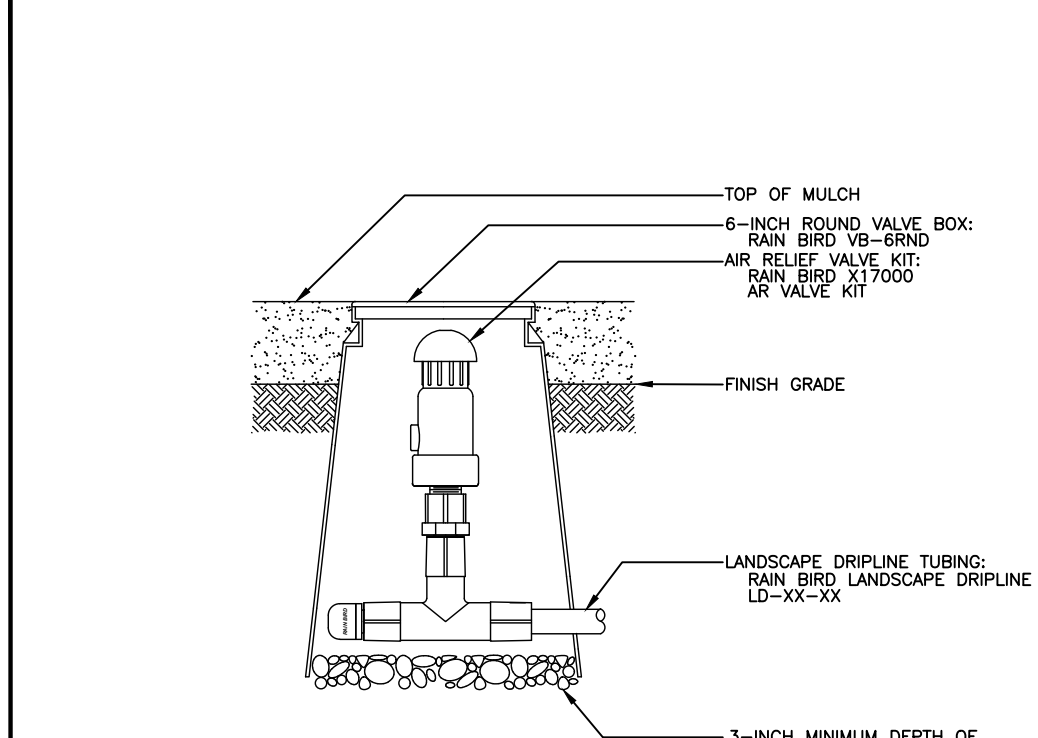
4 LANDSCAPE DRIPLINE CONNECTIONS
NON-POTABLE SYSTEM N.T.S.



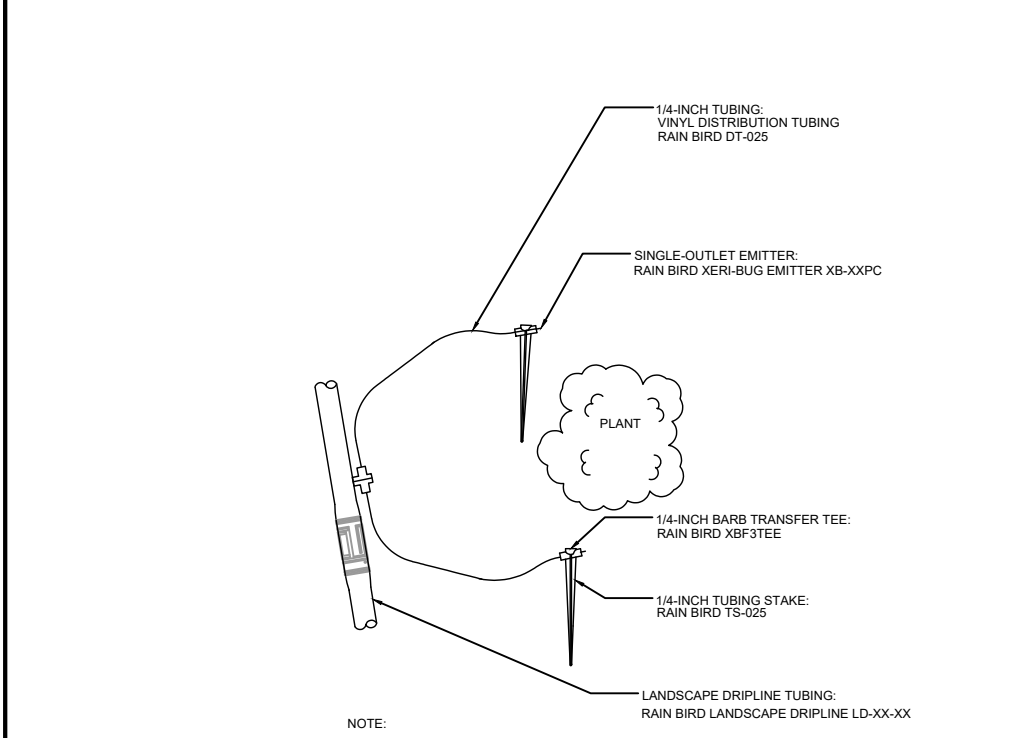
5 LANDSCAPE DRIPLINE 2" BELOW GRADE
WITH EASY FIT TEE - POTABLE SYSTEM N.T.S.



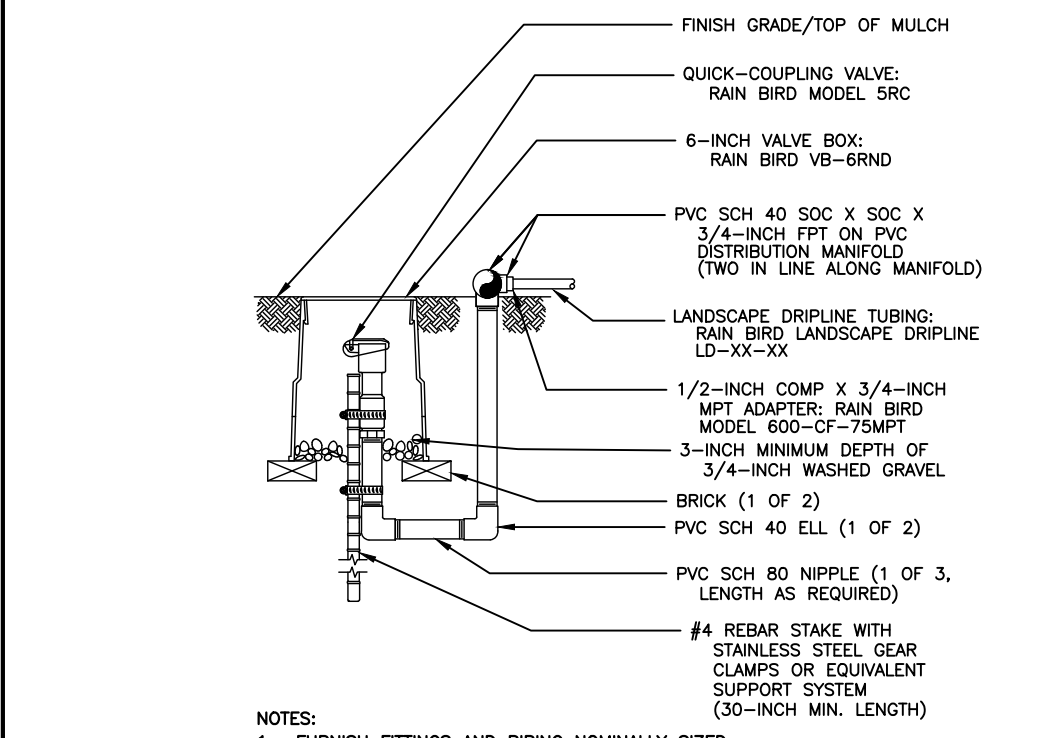
6 LANDSCAPE DRIPLINE LATERALS
NON-POTABLE SYSTEM N.T.S.



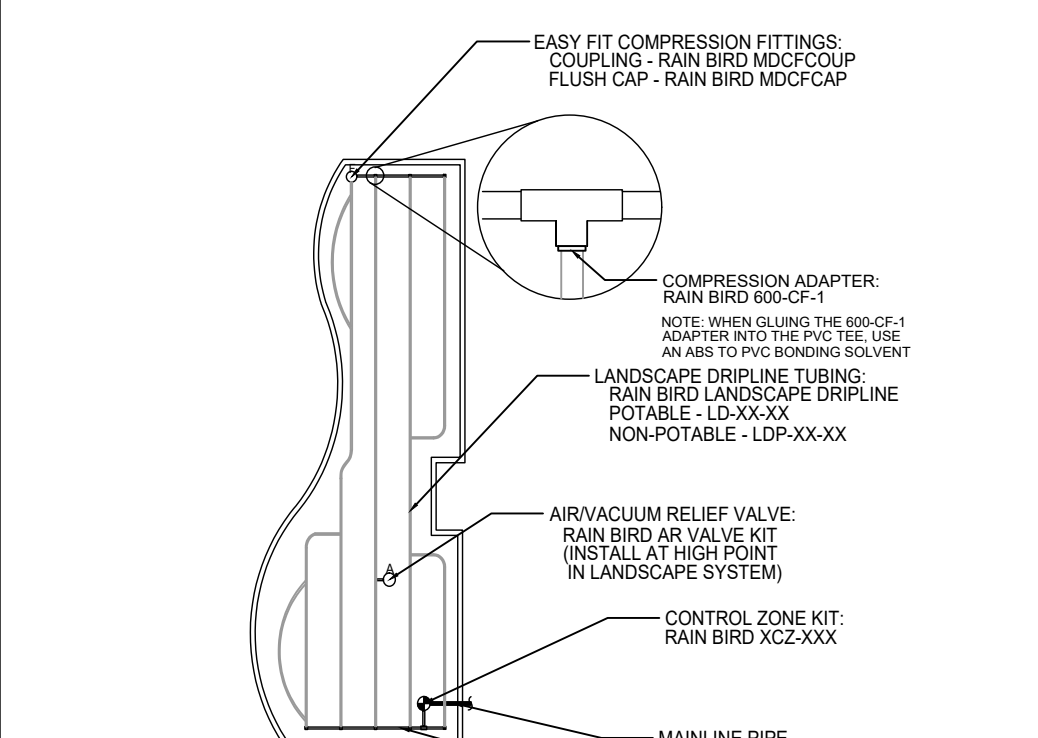
7 AIR RELIEF VALVE IN KIT
N.T.S.



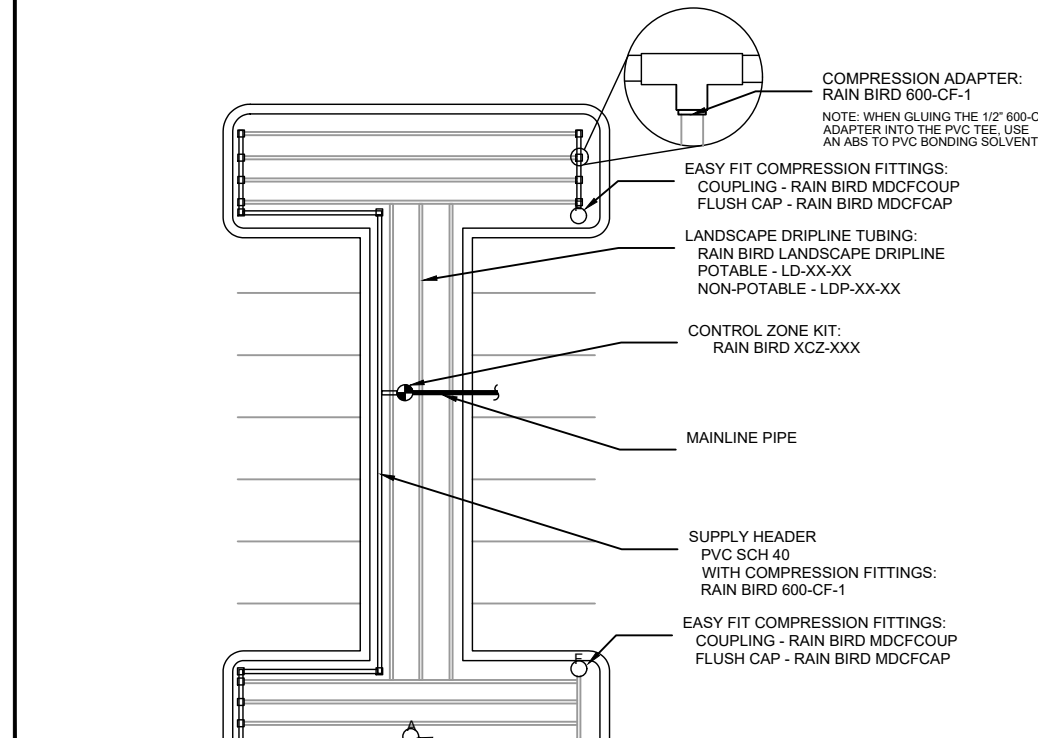
8 LANDSCAPE DRIPLINE
WITH SUPPLEMENTAL EMITTERS N.T.S.



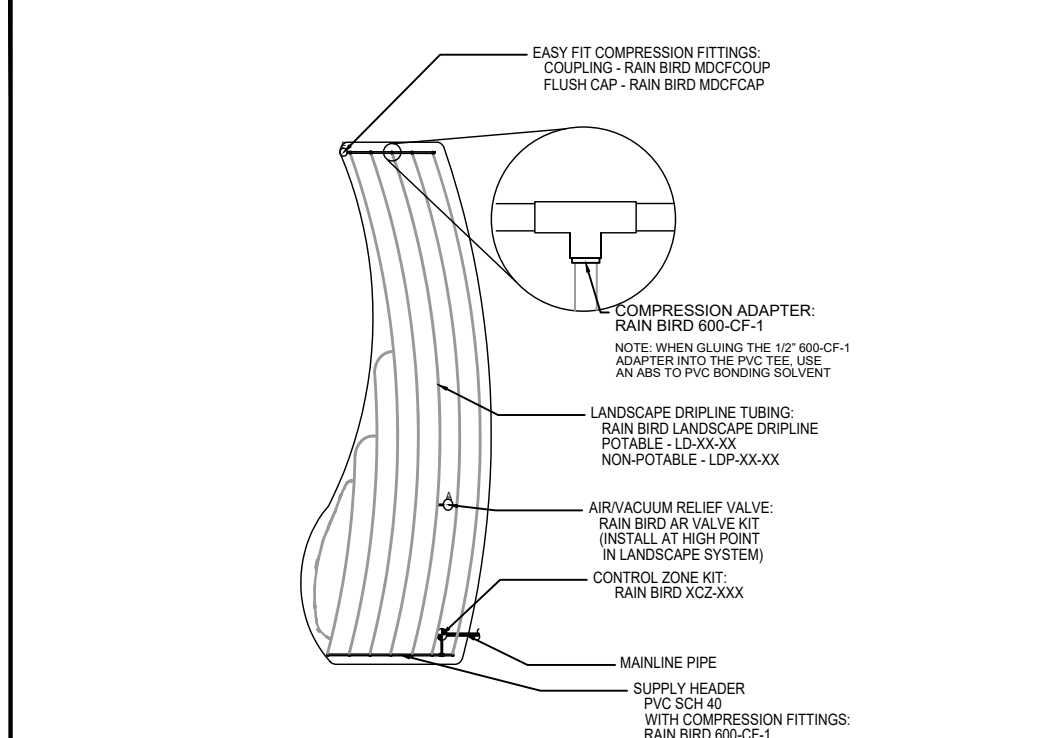
9 LANDSCAPE DRIPLINE FLUSH POINT
NON-POTABLE SYSTEM N.T.S.



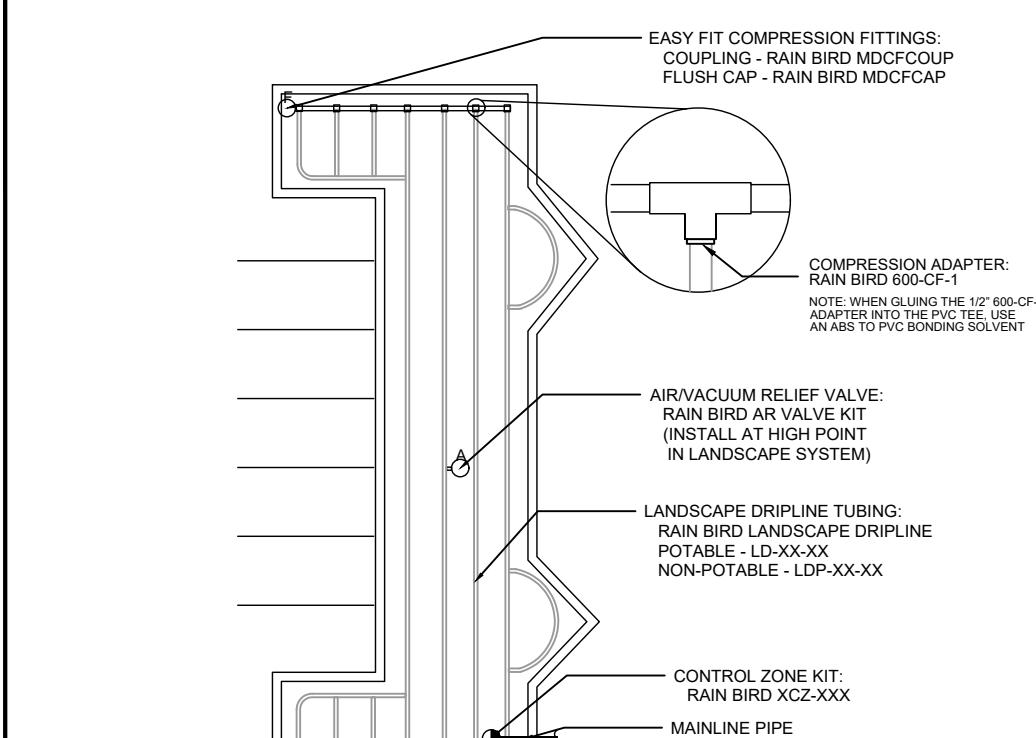
10 LANDSCAPE PLANTER - ODD SHAPED
N.T.S.



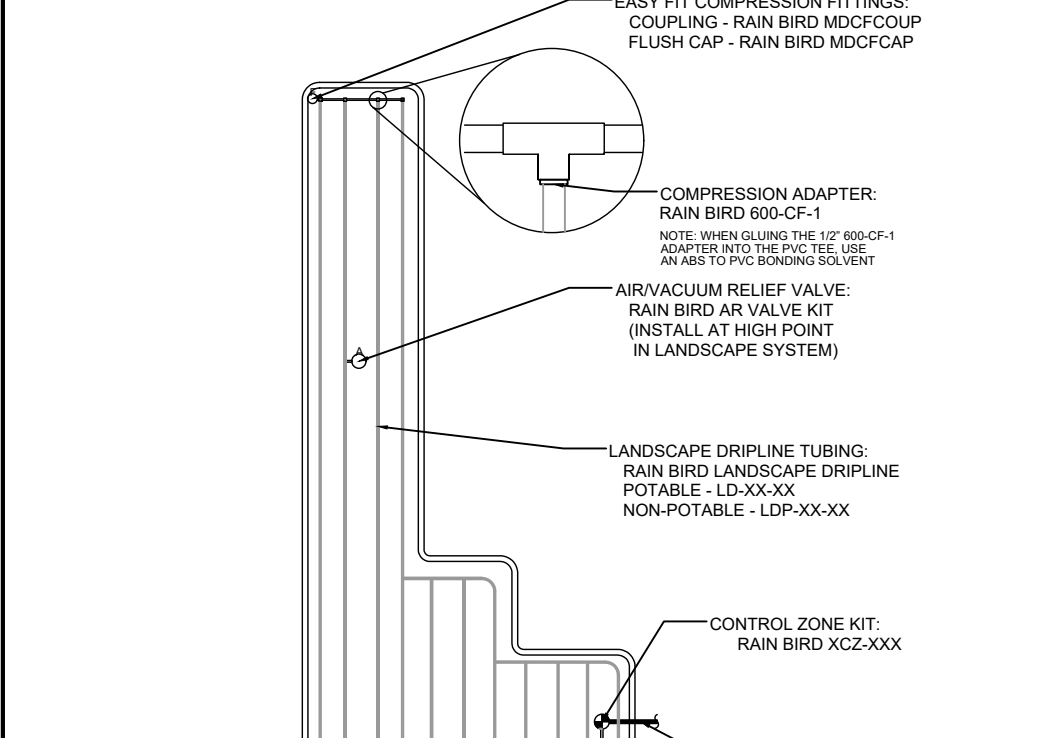
11 PARKING LOT - DOGBONE SHAPED
N.T.S.



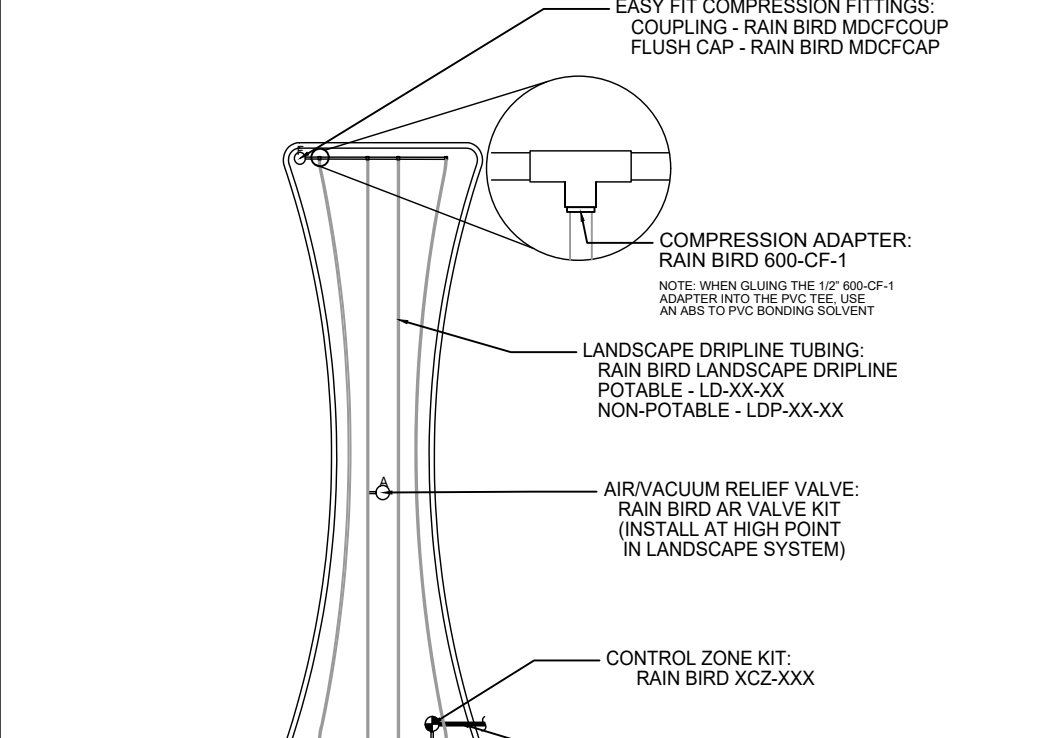
12 LANDSCAPE PLANTER - CURVED POLYGON SHAPED
N.T.S.



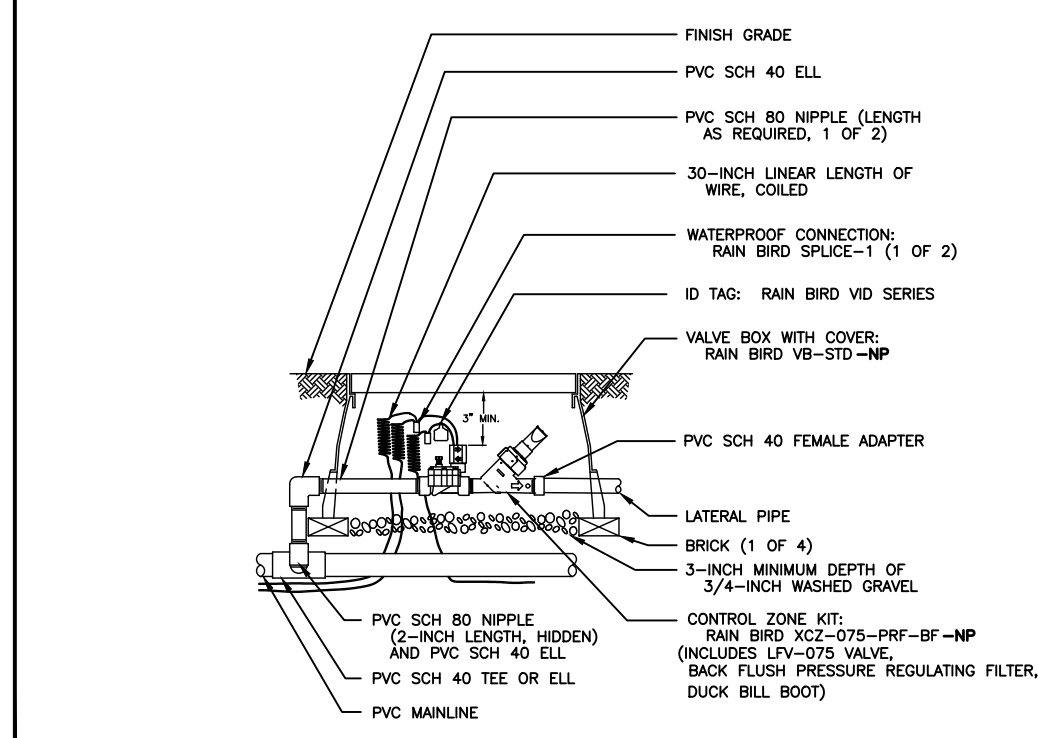
13 PARKING LOT - C SHAPED
N.T.S.



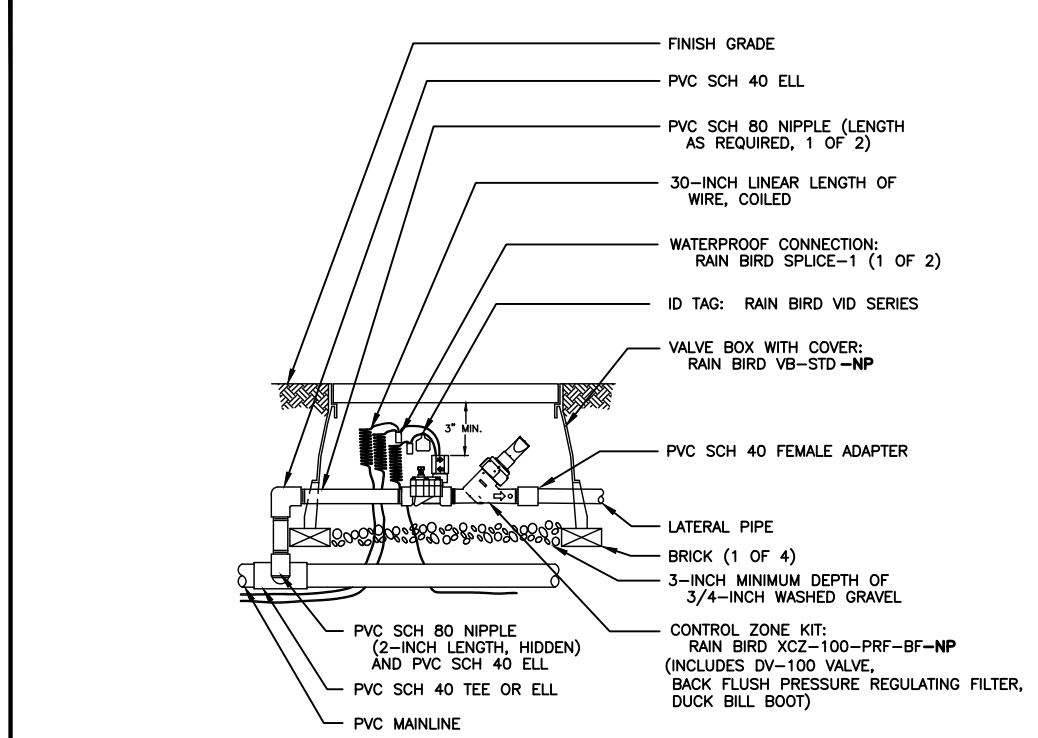
14 LANDSCAPE PLANTER - CORNER SHAPED
N.T.S.



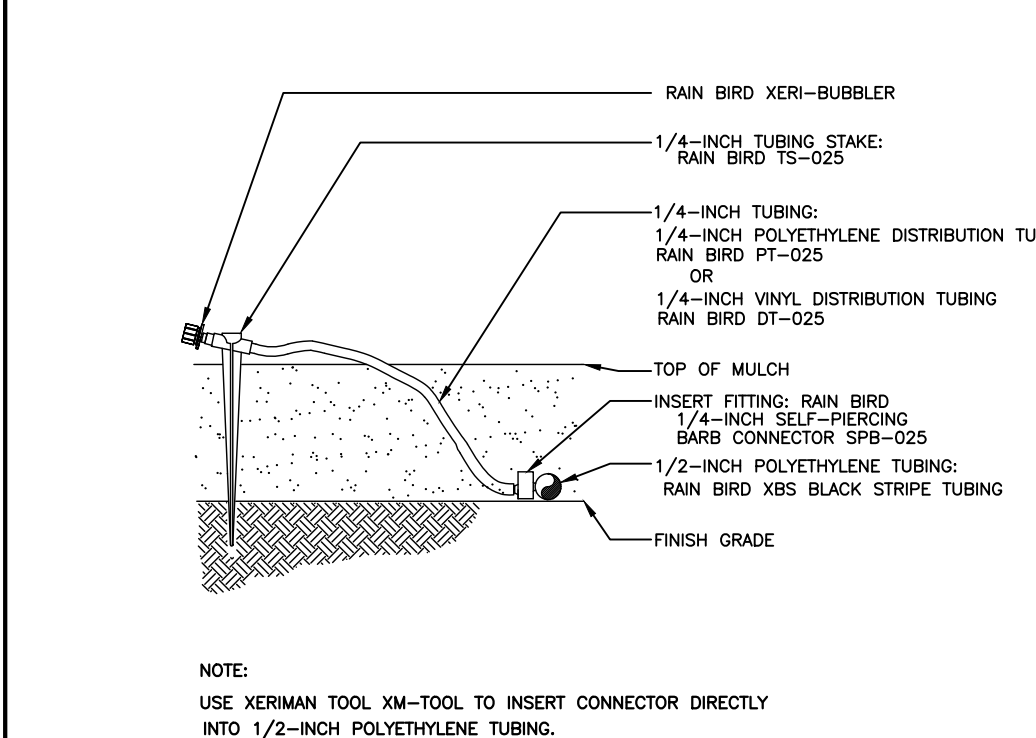
15 LANDSCAPE PLANTER - HOURGLASS SHAPED
N.T.S.



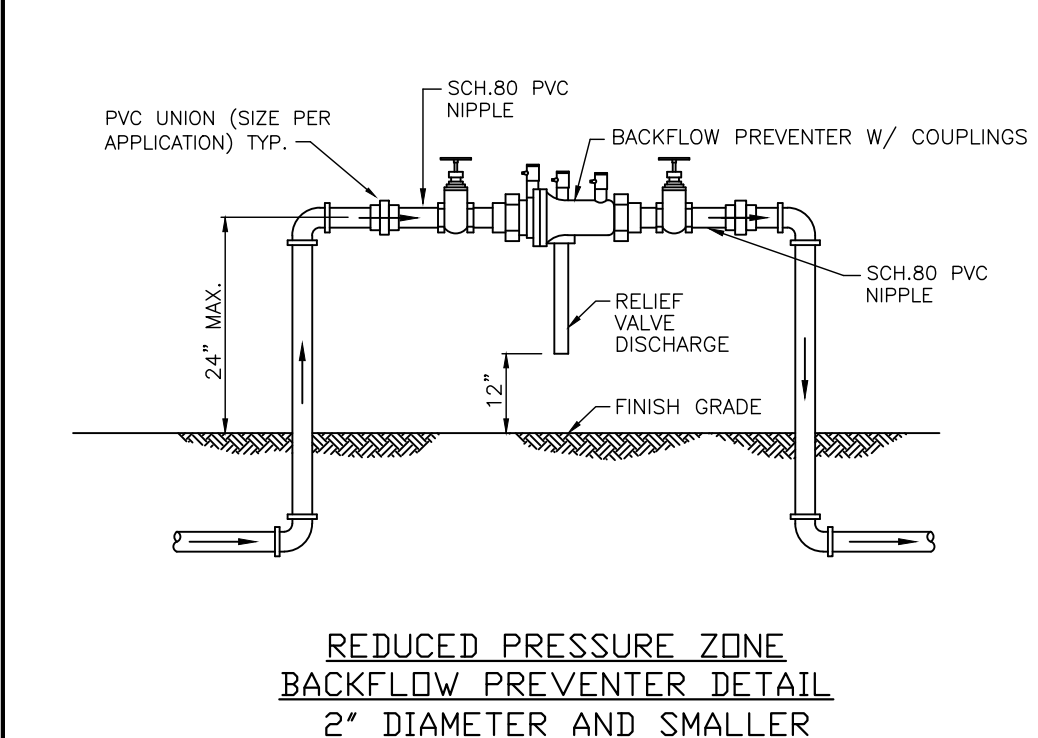
16 3/4" CONTROL ZONE KIT WITH PRESSURE REGULATING BACKFLUSH FILTER
XCZ-075-PRF-BF N.T.S.



17 1" CONTROL ZONE KIT WITH PRESSURE REGULATING BACKFLUSH FILTER
XCZ-100-PRF-BF N.T.S.



18 XERI-BUBBLER ON 1/4" TUBING
N.T.S.



19 RPZ BACKFLOW PREVENTER DETAIL
N.T.S.

LANDSCAPE ARCHITECT
Robert R. Buchanan LA0000932
Landscape Dynamics Construction Co., Inc. hereby reserves the right to accept or reject any and all bids and to reject any and all bids that are not in accordance with the terms and conditions of the contract. The contractor shall be responsible for obtaining all necessary permits and for obtaining the proper insurance coverage. The contractor shall be responsible for obtaining the proper insurance coverage. The contractor shall be responsible for obtaining the proper insurance coverage.

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1-800-447-8111
IT'S THE LAW IN FLORIDA
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GEOGRAPHICALLY TARGETED
FACILITIES TO BE LOCATED
WITHIN 200 YARDS OF THE
FACILITY'S SERVICE AREA.

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Mr. Chris Williams
Property Owner
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Apopka, FL 32712

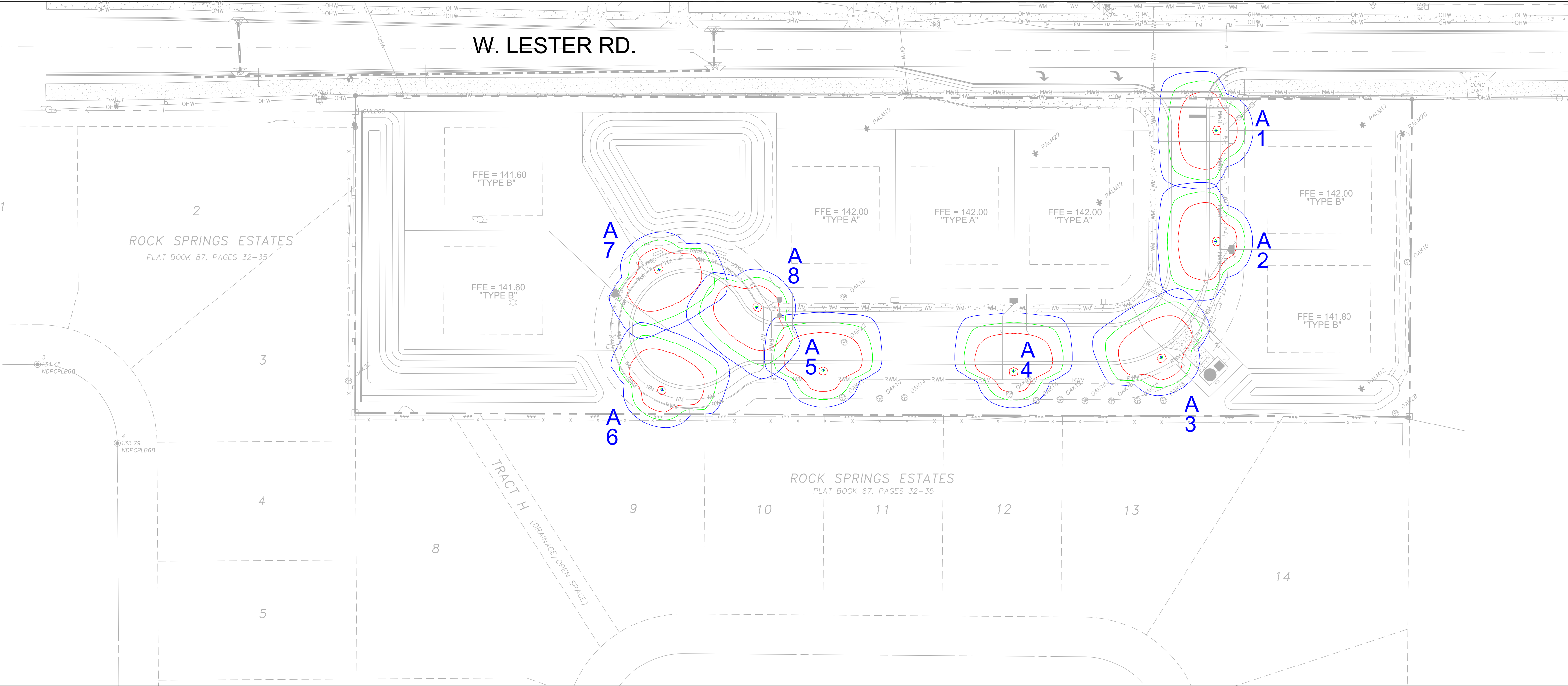
LANDSCAPE
dynamics
LANDSCAPE ARCHITECTS AND PLANNERS, LLC

Irriation Details
Lester Oaks
Apopka, Florida

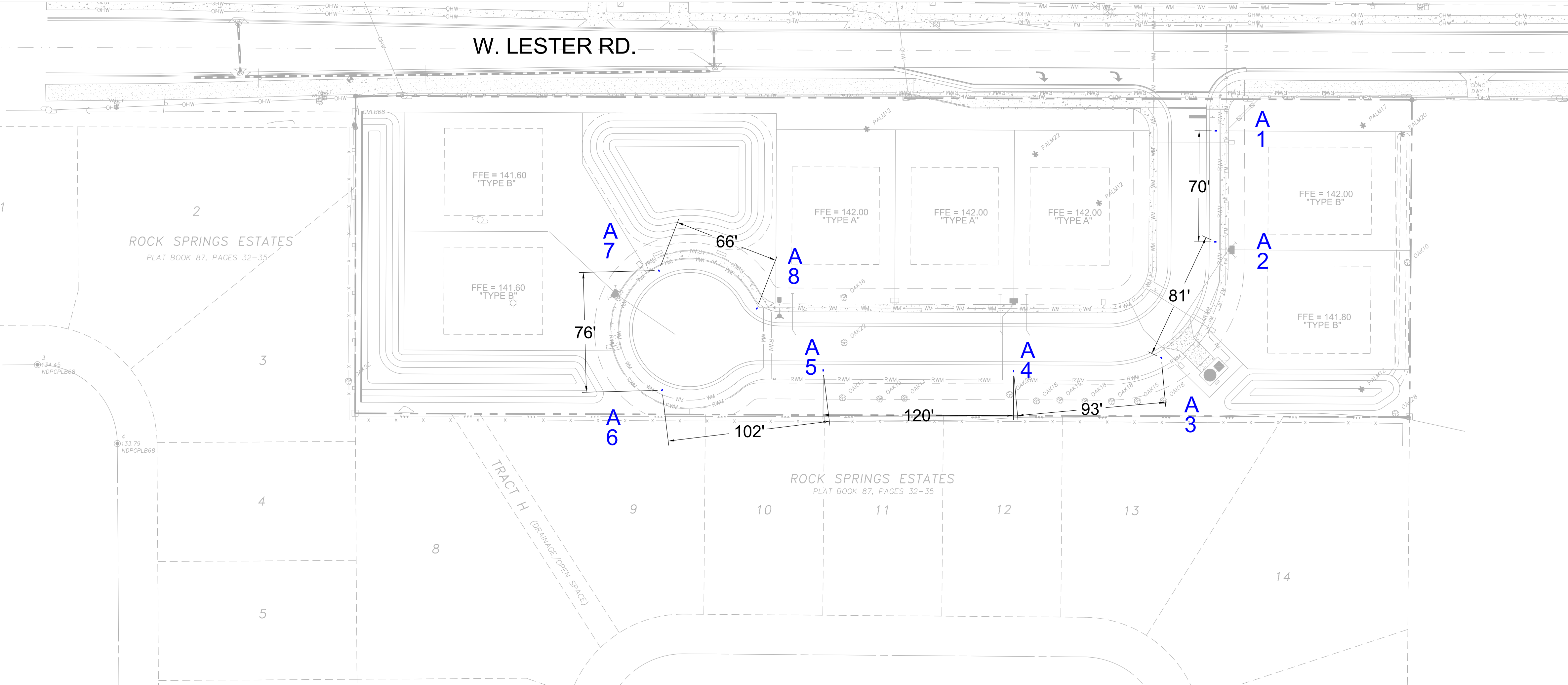
PO BOX 2852 - Winter Park, Florida 32790-2852 - Phone 407-579-8111 - Email randy@landscape-dynamics.com
REVISIONS
1 7/21/25 Comments
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FILE NAME: IRRIGATION
SCALE: N.T.S.

IR200



Photometric Template Coverage Plan #1
Scale : 1" = 40'



Lighting Dimension Plan #1
Scale : 1" = 40'

Outdoor Lighting



OPEN MONTICELLO LED
(Meets Dark Sky Criteria)

LED
(Light-emitting diode)

Mounting height

Color

Pole

Applications

50 watts

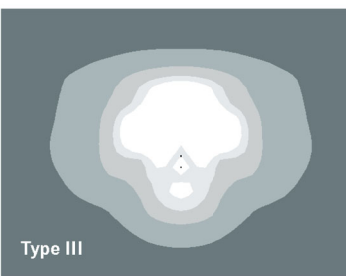
12'

Black

Aluminum
Colonial concrete
Victorian concrete
Washington concrete

Neighborhoods
Parks
Streets
Businesses

Light source: LED (white)
Wattage: 50 watts
Lumens: 3,970
Light pattern: IESNA Type III
IESNA cutoff classification: Full-cutoff
BUG rating: B1U0G1
Color temperature: 3,000K



light distribution pattern

POLE AVAILABLE	MOUNTING HEIGHT	COLOR
Aluminum	12'	Black
Colonial concrete	12'	Black
Victorian concrete	12'	Black, Gray-green
Washington concrete	12'	Black, Gray

FEATURES	BENEFITS
Turnkey operation	Provides hassle-free installation and service
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance, electricity & warranty included	Eliminates high and unexpected repair bills
One low monthly cost on your electric bill	Convenience and savings for you

For additional information, contact
us at ODLFlorida@duke-energy.com.



BUILDING A SMARTER ENERGY FUTURE®

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Light Fixture Information

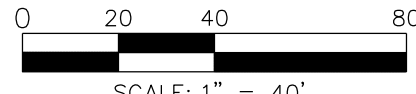
Luminaire Schedule							
Symbol	Label	Qty	LLF	Description	Wattage	Lamp	Color
	A	8	0.95	50W LED OPEN MONTICELLO, TYPE III, CCT 3000K	50	LED	BLACK

General Notes:

- Site lighting is engineered, installed, and connected per NESC for Utility work and is owned and maintained by Duke Energy under a FPSC regulated leased lighting program.
- Lighting is fed directly from Utility secondary distribution system via closet transformer and is not connected to any metered building or service point. All Duke Energy conductors are direct buried at 36" BFG minimum per NESC for Utility work.
- Poles are 17' OAL direct buried Colonial Concrete with a fixture mounting height of 12' AFG, black in color.
- Poles shall be set 4' from BOC unless noted otherwise.
- Owner shall be responsible for coordinating any landscape conflicts with landscape architect. Owner shall be responsible for any necessary future trimming or pruning of proposed landscaped plantings.



PRELIMINARY



SCALE: 1" = 40'