



APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

March 12, 2025 9:00 AM

Apopka City Hall Council Chambers

SPECIAL EVENTS

REZONING

1. RZ-25-2, Sapphire Trails-Ondich North - Rezoning (RZ), 1st Submittal

SITE PLAN:

CONSTRUCTION SITE PLAN

1. CSP-25-5, Eden Crest - Construction Site Plan (CSP) revision, 1st Submittal

DISCUSSION

ADJOURNMENT

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

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

THE WEST 1/2 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA; AND BEGIN AT THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, RUN THENCE WEST 1,343.5 FEET; THENCE SOUTH 430.5 FEET; THENCE SOUTHEASTERLY 1,354.5 FEET TO A POINT 551.5 FEET SOUTH OF THE POINT OF BEGINNING; THENCE NORTH TO THE POINT OF BEGINNING, LESS ALL THAT PART THEREOF, LYING IN THE NORTHEAST 1/4 OF THE OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST; AND BEGIN AT THE NORTHWEST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA; THENCE RUN EAST ALONG THE NORTH BOUNDARY LINE OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST, A DISTANCE OF 12 FEET; THENCE RUN SOUTHEASTERLY, A DISTANCE OF 359 FEET TO A POINT DUE EAST OF THE EAST BOUNDARY LINE OF THE WEST 1/2 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 12, TOWNSHIP 20 SOUTH, RANGE 27 EAST; THENCE WEST A DISTANCE OF 18 FEET TO THE EAST BOUNDARY LINE OF SAID WEST 1/2 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4; THENCE RUN NORTH, A DISTANCE OF 359 FEET TO THE POINT OF BEGINNING.

SCHEDULE B-II EXCEPTIONS PER TITLE COMMITMENT FROM CLIENT:

- ### LEGEND OF SYMBOLS AND ABBREVIATIONS.

VICINITY MAP: NOT TO SCALE



1. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 12-20-27 AS BEING N89°21'11"E. (AN ASSUMED BEARING FOR ANGULAR DESIGNATION ONLY)
2. THE LEGAL DESCRIPTION HEREON IS IN ACCORD WITH TITLE COMMITMENT No. 9862086.
3. THERE MAY BE EASEMENTS AND RESTRICTIONS OF RECORD AND/OR PRIVATE AGREEMENTS NOT FURNISHED TO THIS SURVEYOR OR SHOWN ON THIS BOUNDARY SURVEY THAT MAY AFFECT PROPERTY RIGHTS AND/OR LAND USE RIGHTS OF THE SUBJECT PROPERTY.
4. THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF A COMMITMENT FOR TITLE INSURANCE, PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NUMBER 9862086, EFFECTIVE DATE 9/15/2021 AT 5:00 PM.
5. THERE MAY BE ENVIRONMENTAL ISSUES AND/OR OTHER MATTERS REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL, STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.
6. THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOMSOEVER.
7. ADJOINING PARCEL OWNER AND RECORDING INFORMATION DELINEATED HEREON WAS OBTAINED FROM THE ORANGE COUNTY PROPERTY APPRAISER'S PUBLIC WEBSITE.
8. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER OR AN ELECTRONIC SIGNATURE THAT IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE 5J-17.062.
9. UNDERGROUND UTILITIES AND IMPROVEMENTS WERE NOT LOCATED, UNLESS SHOWN HEREON.
10. UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR VISIBLE, UNOBSERVED, ABOVE GROUND IMPROVEMENTS WERE LOCATED. UNLESS NOTED OTHERWISE UNDERGROUND IMPROVEMENTS, SUCH AS FOUNDATIONS AND UTILITIES, WERE NOT LOCATED.
11. UNLESS OTHERWISE NOTED, UNDERGROUND UTILITIES SHOWN HEREON WERE LOCATED AND MARKED BY THE INDIVIDUAL UTILITY COMPANIES.
12. THIS SURVEYOR ONLY SHOWS THESE ABOVE GROUND MARKINGS AS FIELD LOCATED AND IS NOT RESPONSIBLE FOR INACCURATE AND/OR POSSIBLE UTILITIES NOT SHOWN.
13. UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSERVED, ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND THE PROFESSIONAL PURVIEW OF THE SURVEYOR AND SUBJECT TO LEGAL INTERPRETATION.
14. SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0050H, MAP REVISED SEPTEMBER 24, 2021. THIS IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING. THE LIMITS OF SAID ZONES ARE GRAPHICALLY DEPICTED HEREON AS NEAR AS MAY BE SCALED FROM SAID MAP.
15. THE ACCURACY OF THE SURVEY MEASUREMENTS USED FOR THIS SURVEY MEETS OR EXCEEDS THE EXPECTED USE OF THE PROPERTY DESCRIBED HEREON. (SUBURBAN) 1 FOOT IN 7,500 FEET.
16. WE HEREBY CERTIFY THAT THE LANDS SHOWN HEREON AND THE ADJACENT PARCELS OF LAND, WHERE THEY SHARE A COMMON BOUNDARY LINE, ARE CONTIGUOUS WITH NO GAPS, GORES, HIATUS, OR OVERLAPS.

DATE OF PLAY OR MAP: 1/21/2025





P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\GENERAL NOTES.dwg Modified:5/23/2024 By:casanchez

GENERAL NOTES

1.

UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS:
 - CITY OF APOPKA, FLORIDA
 - ORANGE COUNTY, FLORIDA
 - ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
2.

THE GEOTECHNICAL REPORT SHALL BE REVIEWED BY THE CONTRACTOR, AND THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUBSURFACE CONDITIONS, THE WORK REQUIRED, AND ALL OTHER CONDITIONS THAT MAY AFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
3.

THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK, AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
5.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
6.

UNLESS OTHERWISE SPECIFIED IN THE GENERAL CONDITIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, LAWS AND ORDINANCES.
7.

PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC OR UTILITY RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN AUTHORIZATION AND PERMIT FROM JURISDICTION RESPONSIBLE FOR SUCH RIGHT-OF-WAY. IN ADDITION, CONTRACTOR SHALL OBTAIN GAS I.D. NUMBER FROM LOCAL GAS COMPANY AND NOTIFY SUNSHINE STATE ONE-CALL UTILITY NOTIFICATION CENTER AT 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO START OF WORK.
8.

PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRAFFIC CONTROL PLAN CONSISTENT WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, AND SUBMIT TO THE COUNTY ENGINEER FOR APPROVAL.
9.

IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND/OR OWNER OR OWNER'S AGENT.
10.

CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT BENCH MARKS AND PROPERTY CORNERS. IN THE EVENT THE MONUMENTS, POINTS OR MARKERS ARE DISTURBED THE CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE THEM.
11.

THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK WHEREVER AND WHENEVER IT IS IN PREPARATION OR PROGRESS; AND THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND FOR THE INSPECTION.
12.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS, USE, THEFT, OR VANDALISM. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
13.

CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY THEIR MANUFACTURER'S.
14.

PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORM WATER PONDS, CANALS, ARTIFICIAL LAKES) CONTRACTOR SHALL INSTALL FENCES AND/OR TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO INSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
15.

CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE PROVISIONS OF THE FLORIDA STATE TRENCH SAFETY ACT.
16.

THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:

A.

ALL EMPLOYEES ON THE WORK AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;

B.

ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS;

C.

OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
17.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
18.

ALL DAMAGE OR LOSS TO ANY PROPERTY CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART, TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
19.

THOSE PARTS OF WORK IN PLACE WHICH ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
20.

UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURIES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
21.

ADEQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE CONVEYING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTERS ONTO OR CROSSES TRAFFIC-CARRYING ROADS.
22.

THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
23.

CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL MATERIALS (HAZARDOUS OR OTHERWISE) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.

24.

CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
25.

THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION. ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.
26.

CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING AND HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS OF THIS CONTRACT.
27.

CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEANUP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THESE CONSTRUCTION DOCUMENTS.
28.

SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF THESE CONSTRUCTION DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY SO INFORM OWNER & ENGINEER IN WRITING. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY, OWNER & ENGINEER AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
29.

IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO OWNER AND/OR ENGINEER IN WRITING.
30.

"HAZARDOUS MATERIAL" MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
31.

THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS, DEVIATIONS OR OMISSIONS TO THESE CONSTRUCTION DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
32.

IF ANY TESTING, INSPECTION OR APPROVAL REVEAL DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ALLOWED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR ENGINEER'S AND DESIGN ENGINEER'S SERVICES AND ALL OTHER RELATED COSTS.

ADDITIONAL NOTES

1.

BEARINGS SHOWN HEREON ARE ASSUMED AND BASED ON THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 18-21-28 AS BEING N89°33'56"W FOR ANGULAR DESIGNATION ONLY.
2.

SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA MINIMAL FLOOD HAZARD, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0120H, MAP DATE 9/24/2021 AND ZONE AE, AREA WITH A BASE FLOOD ELEVATION OF 69.1'.
3.

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, ORANGE COUNTY BENCHMARK NUMBER L708042, ELEVATION BEING 71.327.

HANDICAP ACCESSIBILITY NOTES:

1.

ALL CONSTRUCTION MUST MEET OR EXCEED ALL REQUIREMENTS AS OUTLINED IN THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE FLORIDA ACCESSIBILITY CODE, MOST RECENT EDITIONS. BOTTOM OF CURB RAMP ELEVATION (B.O. RAMP) IS RELATIVE TO EACH CURB RAMP CONDITION. ACTUAL ELEVATIONS SHALL BE BASED ON EXISTING GRADE OF CURB FLOW LINE AT THE B.O. RAMPS.
2.

TOP OF CURB ELEVATION ADJACENT TO B.O. RAMP = 0.50 FT. MAX. UNLESS OTHERWISE NOTED.
3.

ADA REQUIREMENTS SUPERSEDE SPOT GRADES AT LOT LINES. CONTRACTOR TO CUT BACK SLOPE AT 3:1 OR FLATTER AS NEEDED FOR RAMP AND SIDEWALK CONNECTION.
4.

REFER TO PLAN SHEETS AND SECTIONS FOR LOCATIONS AND SIDEWALK WIDTHS.
5.

THE DETECTABLE WARNING STRIP SHALL CONSIST OF A 24 INCH WIDE TACTILE PATTERN OF RAISED TRUNCATED DOMES (ALIGNED PATTERN). DOMES SHALL HAVE A DIAMETER OF 0.9 INCH, A HEIGHT OF 0.2 INCH, AND A CENTER TO CENTER SPACING OF 2.35 INCHES. THE RAMP DETECTABLE WARNING STRIP SHALL BE CONTRASTING IN COLOR. THE MATERIAL USED TO PROVIDE CONTRAST SHALL CONTRAST BY AT LEAST 70%.
6.

THE CROSS SLOPE OF RAMP SURFACES AND ADJACENT STREET GRADES SHALL BE NO MORE THAN 1:50 OR 2% MAXIMUM.
7.

CURB RAMPS CONSTRUCTED BY THE CONTRACTOR SHALL MEET ALL CURRENT APPLICABLE A.D.A. REQUIREMENTS AND SHALL HAVE DETECTABLE WARNING COMPLYING WITH A.D.A. REQUIREMENTS. ACCESSIBILITY ROUTES SHALL MEET ALL APPLICABLE A.D.A. REQUIREMENTS.
8.

CONTRACTOR TO REFER TO MUNICIPALITY DETAILS AS NEEDED.
9.

DRIVEWAY/ROADWAY CROSS SLOPES AT CROSSWALKS SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
10.

SIDEWALK CROSS SLOPES SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
11.

CURB RAMP FLARES & LANDINGS SHALL MEET ADA REQUIREMENTS.
12.

ACCESSIBLE ROUTE WITH RUNNING SLOPES GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH ADA RAMP REQUIREMENTS.
13.

IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO MEET ALL CURRENT ADA STANDARDS. CONTRACTOR SHALL REFER TO FDOT STANDARDS. (INDEX 304, MOST CURRENT EDITION)

RECORD DRAWING AS-BUILT REQUIREMENTS:

AS-BUILT DRAWINGS SHALL BE PREPARED BY AND CERTIFIED (SIGNED AND SEALED) BY A REGISTERED SURVEYOR, AND SHALL BE PROVIDED TO THE ENGINEER OF RECORD UPON COMPLETION OF THE PROJECT SITE IMPROVEMENTS A MINIMUM OF 1 WEEK PRIOR TO CONTRACTORS ATTEMPT FOR FINAL CERTIFICATE OF OCCUPANCY (CO). AS-BUILT DRAWINGS SHALL REFLECT ANY CHANGES TO THE IMPROVEMENTS MADE DURING CONSTRUCTION AND MUST MEET THE MINIMUM REQUIREMENTS OF ALL REGULATORY AGENCIES HAVING JURISDICTION AS WELL AS THE CRITERIA OUTLINED BELOW. BOTH THE ORIGINAL DESIGN AND REVISED AS-BUILT DATA, AS APPLICABLE, MUST BE CLEARLY SHOWN. THE AS-BUILT DRAWINGS MUST BE CLEARLY LABELED AS AS-BUILT OR RECORD DRAWING. THE FOLLOWING INFORMATION, AT A MINIMUM, SHALL BE CERTIFIED ON THE AS-BUILT DRAWINGS:

WATER DISTRIBUTION SYSTEM:

- A.

LOCATION AND DIMENSIONS OF PIPES, VALVES, FITTINGS, CHANGE OF DIRECTION, AND OTHER ASSOCIATED FACILITIES.

WASTEWATER COLLECTION/TRANSMISSION SYSTEM:

- A.

LOCATION, DIMENSION, AND INVERT ELEVATIONS OF PIPES, MANHOLES (INCLUDING RIM ELEVATION), LIFTSTATION, FORCEMAIN, FITTINGS, CHANGE IN DIRECTION AND OTHER ASSOCIATED FACILITIES.

PAVING AND DRAINAGE SYSTEM:

- A.

DIMENSIONS AND ELEVATIONS OF ALL DISCHARGE STRUCTURES INCLUDING ALL WEIRS, SLOTS, GATES, PIPES, AND SKIMMERS;
- B.

LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL FILTER, EXFILTRATION, OR UNDERDRAIN SYSTEMS INCLUDING CLEANOUTS, PIPES, CONNECTIONS TO CONTROL STRUCTURES, AND POINTS OF DISCHARGE TO THE RECEIVING WATERS;
- C.

DIMENSIONS, ELEVATIONS, CONTOURS, OR CROSS-SECTIONS OF ALL STORMWATER TREATMENT POND STORAGE AREAS SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS OF THE STORAGE AREA, AND THE POND DEPTH AND VOLUME BELOW THE CONTROL WATER ELEVATION FOR NORMALLY WET SYSTEMS;
- D.

DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF THE DRAINAGE SYSTEM IMPROVEMENTS TO DETERMINE FLOW DIRECTIONS AND CONVEYANCE OF RUNOFF TO THE TREATMENT SYSTEM;
- E.

DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF ALL CONVEYANCE SYSTEMS UTILIZED TO CONVEY OFF-SITE RUNOFF AROUND THE SYSTEM;
- F.

EXISTING WATER ELEVATION OF SURFACE WATERS AND THE DATE DETERMINED;
- G.

ELEVATION AND LOCATION OF BENCHMARK'S FOR THE SURVEY.

ADA FACILITIES:

- A.

ELEVATIONS AT THE FOUR CORNERS OF ALL HANDICAP PARKING SPACES AND ADJACENT LOADING AISLES.
- B.

ELEVATIONS AND LOCATIONS FOR ALL ACCESSIBLE RAMPS WHICH ADEQUATELY REFLECT THE BUILT SLOPES.
- C.

ELEVATIONS AND LOCATIONS ALONG THE PATHS OF CONVEYANCE FOR PEDESTRIAN TRAFFIC AND ALL ADA ACCESSIBLE ROUTES EVERY 25 FT. WHICH ADEQUATELY REFLECT THE SLOPE AND CROSS SLOPE.

CIVIL ENGINEERING | LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

2221 Lee Road, Suite 217, Winter Park, Florida 32789

STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 14310

GENERAL NOTES

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN:
B. KILLELA

DESIGNED:
O. SANCHEZ

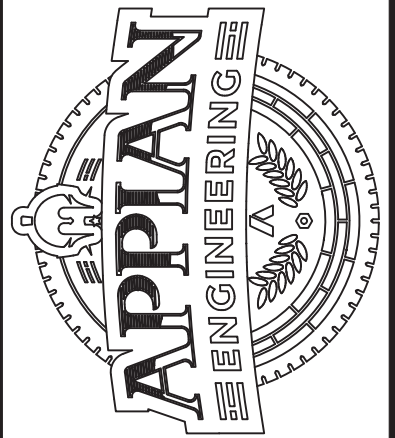
CHECKED:
O. SANCHEZ

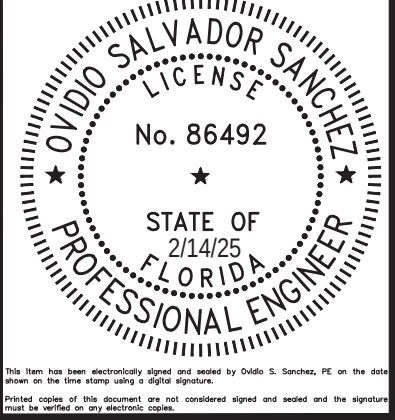
DATE:
2/14/25

SCALE
N.T.S.

PROJECT
DDC-001

SHEET
C.1.0





Call 48 hours before you dig



It's the Law!

1-800-432-4770

Sunshine State One Call of Florida, Inc.

ABBREVIATIONS

A	AREA
AB	ANCHOR BOLT
ABD	ABANDON(ED)
AC	ACRE(S)
AC-FT	ACRE FOOT/FEET
ACP	ASBESTOS CEMENT PIPE
ADDL	ADDITIONAL
ADT	AVERAGE DAILY TRAFFIC
AL	ALUMINUM
ALT	ALTERNATE
AM	BEFORE NOON
AMP	AMPERE(S)
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
ARVV	AIR RELEASE VACUUM VALVE
ASPH	ASPHALT
ASSY	ASSEMBLY
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH

B	
BFP	BACKFLOW PREVENTER
BLDG	BASELINE
BLVD	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BND	BOUNDARY
BO	BLOWOFF
BOC	BACK OF CURB
BOT	BOTTOM
BRG	BEARING
BS	BOTTOM OF SLOPE
BV	BUTTERFLY VALVE

C	
CAP	CAPACITY
CB	CATCH BASIN
CC	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
C/L	CENTER LINE
C/LP	CONCRETE LIGHT POLE
CLR	CLEAR/CLEARANCE
CLS	CLASS
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CMFA	CORRUGATED METAL PIPE ARCH
CND	CONDUIT
CO	COUNTY
CO	CLEANOUT
COL	COLUMN
COMP	COMPLETE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION(ION)
CONT	CONTINUOUS
COORD	COORDINATE(S)
COR	CORNER
CPLG	COUPLING
CPP	CONCRETE POWER POLE
CS	CONTROL STRUCTURE
CTG	COATING
CTR	CENTER
CTV	CABLE TELEVISION
CULV	CULVERT
CY	CUBIC YARD
CYL	CYLINDER

D	
DBL	DOUBLE
DEG OR °	DEGREE
DEFL	DEFLECTION(ION)
DEPT	DEPARTMENT
DET	DETAIL
DHWL	DESIGN HIGH WATER LEVEL
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIST	DISTANCE
DMH	DROP MANHOLE
DN	DOWN
DRN	DRAIN
DWG	DRAWING
DWY	DRIVEWAY

E	
E	EAST
EA	EACH
EC	EDGE OF CONCRETE
ED	ENERGY DISSIPATOR
EF	EACH FACE
EFF	EFFLUENT
EG	EXISTING GRADE
E/L	EASEMENT LINE
ELB	ELBOW
ELEC	ELECTRIC
ELEV	ELEVATION
ELLIP	ELLIPSE/ELLIPTICAL
ENC	ENCASEMENT
ENR	ENGINEERING
EOP	EDGE OF PAVEMENT
EQ	EQUAL/EQUATION
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESMT	EASEMENT
EST	ESTIMATE
EW	EACH WAY
EWL	ENDWALL
EXC	EXCAVATE/EXCAVATION
EXIST	EXISTING
EXP	EXPAND/EXPANSION
EXT	EXTEND/EXTENSION

F	
F&C	FRAME AND COVER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FI	FURNISH AND INSTALL
FIG	FIGURE
FIN	FINISHED
FIT	FITTING
FL	FENCE LINE
FLR	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FM	FORCE MAIN
FND	FOUND
FFH	FEET PER HOUR
FFM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET/FOOT
FTG	FOOTING

G	
GAL	GALLON
GALV	GALVANIZED
GM	GAS MAIN
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GRD	GROUND/GRADE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GV&B	GATE VALVE AND BOX
GW	GUY WIRE
GW	GROUND WATER TABLE

H	
HB	HOSE BIBB
HDW	HARDWARE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	HEADWALL
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
HYD	HYDRAULIC

I-4	INTERSTATE HIGHWAY
IA	INTERSECTION ANGLE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCHES
INL	INLET
INS	INSERT
INST	INSTALL
IP	IRON PIPE
IR	IRON ROD
INT	INTERSECT/INTERSECTION
INV	INVERT

J	
JCT	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT	JOINT

L	
L	LENGTH
LAT	LATITUDE
LATL	LATERAL
LB	POUND
LF	LINEAR FEET/FOOT
LG	LONG
LM	LIMIT(S)
LP	LIGHT POLE
LONG	LONG
LT	LEFT
LWL	LOW WATER LEVEL

M	
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
ME	MITERED END
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHC	MANHOLE COVER
MHWL	MEAN HIGH WATER LEVEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MJP	METAL LIGHT POLE
MLWL	MEAN LOW WATER LEVEL
MON	MONUMENT
MPH	MILES PER HOUR
MSL	MEAN SEA LEVEL
MTG	MOUNTING

N	
N	NORTH
NA	NOT APPLICABLE
N&C	NAIL AND CAP
NE	NORTHEAST
NG	NATURAL GROUND
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
NW	NORTHWEST
NWL	NORMAL WATER LEVEL

O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OR EQUAL
OPNG	OPENING
OPP	OPPOSITE
ORCP	OVAL REINFORCED CONCRETE PIPE
OS	OUTFALL STRUCTURE
OVL	OVERFLOW
OWHD	OVERHEAD

P	
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PEP	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
POB	POINT OF BEGINNING
POJ	PUSH ON JOINT
POS	POINT OF SERVICE
PP	POWER POLE
PR	PHONE RISER
PRC	POINT OF REVERSE CURVATURE
PRESS	PRESSURE
PROJ	PROJECT
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER

Q	FLOW RATE
---	-----------

R	
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RDY	ROADWAY
RED	REDUCER
REF	REFERENCE
REINF	REINFORCE(D)
REQD	REQUIRED
REV	REVISE/REVISION
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RV	RELIEF VALVE
R/W	RIGHT-OF-WAY
RWM	REUSE WATER MAIN

S	
S	SOUTH
SAN	SANITARY SEWER
SB	SPLASH BLOCK
SCH	SCHEDULE
SD	SIDE DRAIN
SDN	SHELF DRAIN
SE	SOUTHEAST
SEC	SECONDS
SECT	SECTION
SH	SHEET
SHGWT	SEASONAL HIGH GROUND WATER TABLE
SIM	SIMILAR
S/L	SETBACK LINE
SLOPE	SLOPE
SM	SHEET METAL
SPEC	SPECIFICATION(S)
SQ	SQUARE
SQ IN	SQUARE INCH(ES)
SQ FT	SQUARE FOOT/FEET
SQ YD	SQUARE YARD(S)
SR	STATE ROAD
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRUCTURE
STS	STORM SEWER
SUP	SUPPORT
SUSP	SUSPEND/SUSPENSION
SVC	SERVICE
SW	SOUTHWEST
SWK	SIDEWALK
SYM	SYMBOL(S)
SYMM	SYMMETRICAL
SYS	SYSTEM

T	
TB	TANGENT
TURBLOCK	TURFBLOCK
T&B	TOP AND BOTTOM
TBM	TEMPORARY BENCH MARK
TC	TIME OF CONCENTRATION
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TECH	TECHNICIAN/TECHNICAL
TEMP	TEMPORARY
TL	TERMINAL LAMP/POLE
TOT	TOP OF BANK
TOC	TOP OF CURB
TOS	TOE OF SLOPE
TOT	TOTAL
TS	TOP OF SLOPE
TWP	TOWNSHIP
TYP	TYPICAL

U	
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTC	UNDERGROUND TELEPHONE CABLE

V	
VB	VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY

W	
W	WEST
W/	WITH
WM	WATER MAIN
W/O	WITHOUT
WP	WATER/WEATHER PROOF
WPP	WOOD POWER POLE
WS	WATER SURFACE
WSWT	WET SEASON WATER TABLE
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
Y	
YD	YARD
YR	YEAR

MISC	
&	AND
AT	AT
Δ	DELTA

EXISTING SYMBOLS

LINES

	C/L	CENTER LINE
		CHAIN LINK FENCE
	S1	CONTOUR
		EASEMENT
		FENCE
		GUARDRAIL
		EXISTING PLATS
		RETAINING WALL
	R/W	RIGHT-OF-WAY LINE
		SHORELINE
		SWALE
		SOIL BOUNDARY

SANITARY SEWER

		SANITARY SEWER LINE
		CLEANOUT
		FORCE MAIN
		MANHOLE

POTABLE WATER

	WM	WATER MAIN
		EXISTING VALVE
		FIRE HYDRANT
	M	WATER METER

STORM DRAIN

		STORM SEWER		FDOT TYPE 1 INLET
		CURB INLET		FDOT TYPE 2 INLET
		MANHOLE		FDOT TYPE 3 INLET
		MITERED END		FDOT TYPE 4 INLET
		STORM INLET		FDOT TYPE 5 INLET
	X100.00	SPOT ELEVATION		FDOT TYPE 6 INLET

HIGHWAY & UTILITIES

		BENCHMARK		STATE ROADS
		BOUND CORNER		GUY POLE
		CONCRETE		UTILITY POLE
	520	COUNTY ROADS		YARD LIGHT
	95	INTERSTATE ROADS		GAS MAIN
		LIGHT POLE		OVER HEAD WIRE
		SIGN		ELECTRIC CABLE OR CONDUIT, BURIED
		EDGE OF PAVEMENT W/O CURB		UNDERGROUND TELEPHONE CABLE
		EDGE OF PAVEMENT W/CURB		GATE VALVE
		REDUCER		REDUCER

PROPOSED SYMBOLS

LINES

		PROPERTY BOUNDARY
		LOT LINE
		CENTER LINE
		EASEMENT
		BUILDING SETBACK LINE
		WETLAND LINE
		WETLAND BUFFER LINE
		FENCE
	SF	SILT FENCE
		GUARDRAIL
		ENTRY WALL
		RETAINING WALL
		SWALE
	S1	CONTOUR

STORM

	100 LF OF 24" RCP @ 0.20%	STORM PIPE
		DRAINAGE FLOW DIRECTION
		FDOT INLET TYPE 1
		FDOT INLET TYPE 2
		FDOT INLET TYPE 3
		FDOT INLET TYPE 4
		FDOT INLET TYPE 5
		FDOT INLET TYPE 6
		MANHOLE
		MITERED END SECTION
		STORM INLET

SANITARY SEWER

	100 LF OF 8" PVC @ 0.40%	SANITARY PIPE
		CLEANOUT
		SINGLE SANITARY SERVICE
		DOUBLE SANITARY SERVICE
		MANHOLE
		FORCE MAIN
		PLUG VALVE

POTABLE WATER

	WM	WATER MAIN
	FIRE	FIRE MAIN
		SINGLE WATER SERVICE
		DOUBLE WATER SERVICE
		FIRE HYDRANT ASSEMBLY
		FIRE DEPARTMENT CONNECTION
		METER
	SP#	SAMPLE POINT

RECLAIMED WATER

	RU	RECLAIMED WATER MAIN
		SINGLE WATER SERVICE
		DOUBLE WATER SERVICE

GENERIC UTILITIES

	11 1/4" BEND
	22 1/2" BEND
	45" BEND
	90" BEND
	TEE
	CROSS
	GATE VALVE
	REDUCER

ROADWAY & GRADING

		CONCRETE
		PAVEMENT
		MULCH TRAIL
		OPEN SPACE
		BLDG OR STRUCTURE
		TYPE F CURB & GUTTER
		MIAMI CURB
	10 C1.0	DETAIL REFERENCE
	X100.00	SPOT ELEVATION
	LOT TYPE 'A' FFE=100.00	FINISHED FLOOR ELEVATION W/ FHA LOT TYPE
		HANDICAP PARKING
	95	INTERSTATE ROADS
		LIGHT POLE
	50	STATE ROADS
		SIGN
		TRAFFIC FLOW PAVEMENT MARKING
		UTILITY POLE
		CROSS SECTION DETAIL

NOTES:
1. TREE TYPES SHALL BE REFERENCED BY LEGEND ON APPLICABLE DRAWING SHEETS.
2. EXISTING CONSTRUCTION FEATURES MAY BE SCREENED ON DRAWING SHEETS TO PROVIDE CLARITY.



SHEET 3 OF 120

CIVIL ENGINEERING | LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5668

2221 Lee Road, Suite 217, Weston, FL 33327

STATE OF FLORIDA LICENSE NO. 12140

ABBREVIATIONS & SYMBOLS

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA

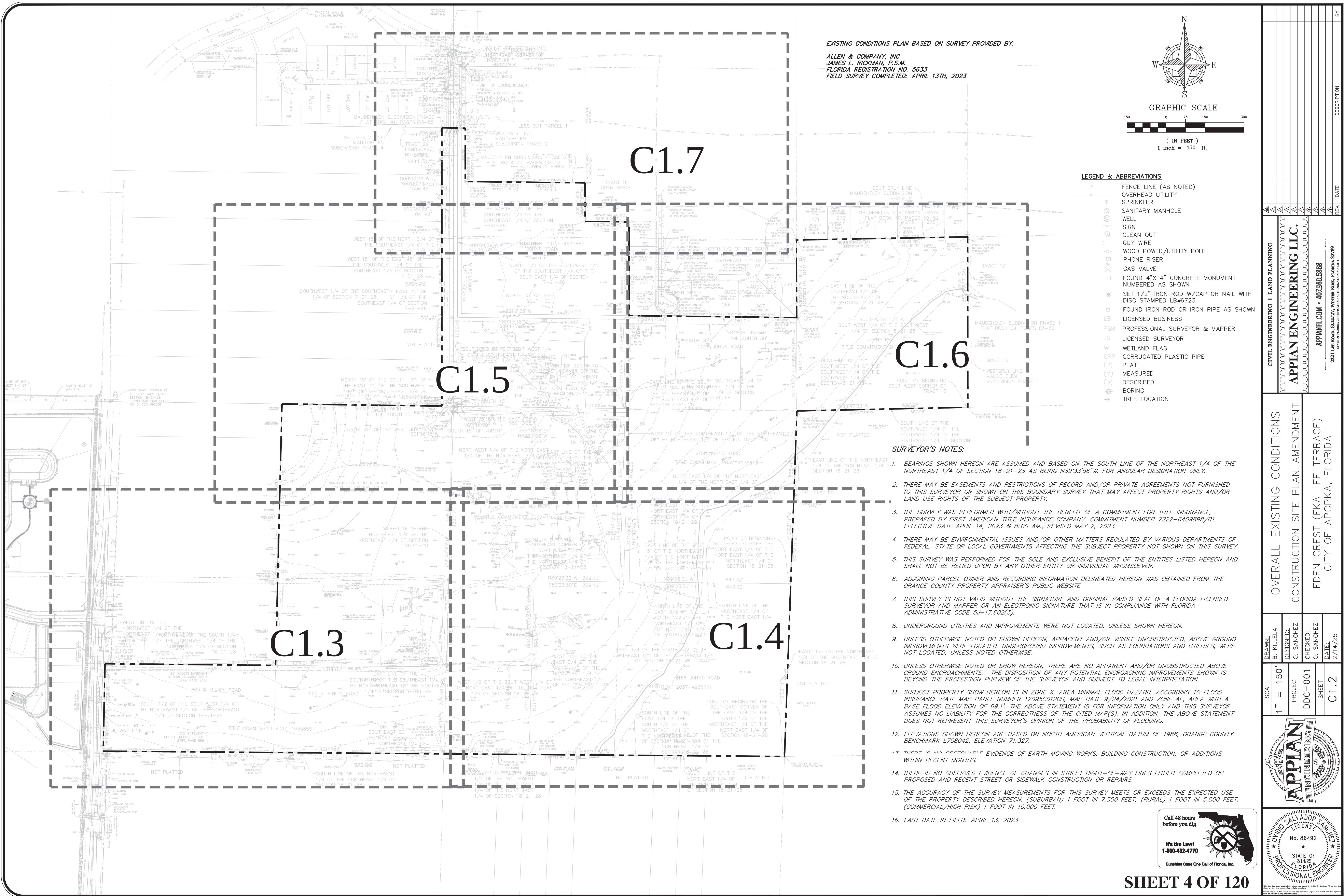
DESIGNED: O. SANCHEZ

CHECKED: O. SANCHEZ

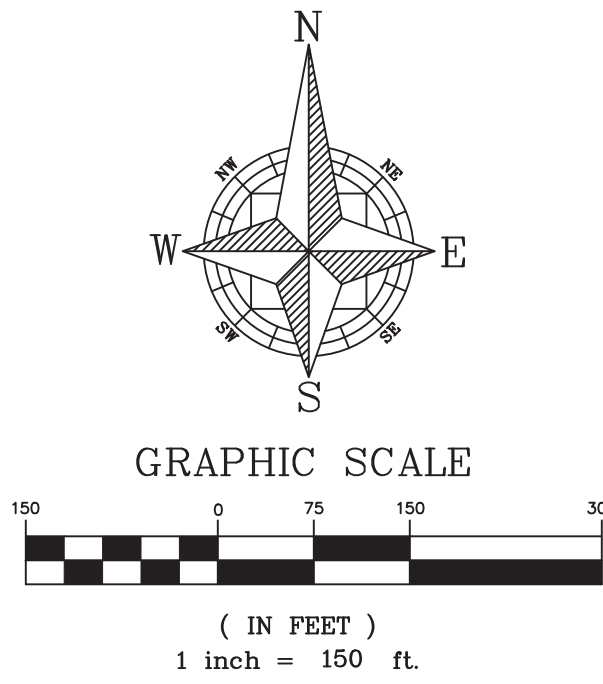
DATE: 2/14/25

SCALE: N.T.S.

PROJECT: DDC-



EXISTING CONDITIONS PLAN BASED ON SURVEY PROVIDED BY:
ALLEN & COMPANY, INC.
JAMES L. RICKMAN, P.S.M.
FLORIDA REGISTRATION NO. 5633
FIELD SURVEY COMPLETED: APRIL 13TH, 2023



LEGEND & ABBREVIATIONS

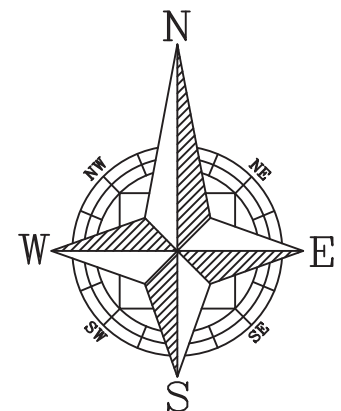
- FENCE LINE (AS NOTED)
- OVERHEAD UTILITY
- SPRINKLER
- SANITARY MANHOLE
- WELL
- SIGN
- CLEAN OUT
- GUY WIRE
- WOOD POWER/UTILITY POLE
- PHONE RISER
- GAS VALVE
- FOUND 4"x 4" CONCRETE MONUMENT NUMBERED AS SHOWN
- SET 1/2" IRON ROD W/CAP OR NAIL WITH DISC STAMPED LB#6723
- FOUND IRON ROD OR IRON PIPE AS SHOWN
- LB LICENSED BUSINESS
- PSM PROFESSIONAL SURVEYOR & MAPPER
- LS LICENSED SURVEYOR
- WF WETLAND FLAG
- CPP CORRUGATED PLASTIC PIPE
- (P) PLAT
- (M) MEASURED
- (D) DESCRIBED
- BORING
- TREE LOCATION

SURVEYOR'S NOTES:

- BEARINGS SHOWN HEREON ARE ASSUMED AND BASED ON THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 18-21-28 AS BEING N89°33'56"W. FOR ANGULAR DESIGNATION ONLY.
- THERE MAY BE EASEMENTS AND RESTRICTIONS OF RECORD AND/OR PRIVATE AGREEMENTS NOT FURNISHED TO THIS SURVEYOR OR SHOWN ON THIS BOUNDARY SURVEY THAT MAY AFFECT PROPERTY RIGHTS AND/OR LAND USE RIGHTS OF THE SUBJECT PROPERTY.
- THE SURVEY WAS PERFORMED WITH/WITHOUT THE BENEFIT OF A COMMITMENT FOR TITLE INSURANCE, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER 7222-6409898/R1, EFFECTIVE DATE APRIL 14, 2023 @ 8:00 AM., REVISED MAY 2, 2023.
- THERE MAY BE ENVIRONMENTAL ISSUES AND/OR OTHER MATTERS REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL, STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.
- THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOMSOEVER.
- ADJOINING PARCEL OWNER AND RECORDING INFORMATION DELINEATED HEREON WAS OBTAINED FROM THE ORANGE COUNTY PROPERTY APPRAISER'S PUBLIC WEBSITE
- THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER OR AN ELECTRONIC SIGNATURE THAT IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE 5J-17.602(3).
- UNDERGROUND UTILITIES AND IMPROVEMENTS WERE NOT LOCATED, UNLESS SHOWN HEREON.
- UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR VISIBLE UNOBSTRUCTED, ABOVE GROUND IMPROVEMENTS WERE LOCATED. UNDERGROUND IMPROVEMENTS, SUCH AS FOUNDATIONS AND UTILITIES, WERE NOT LOCATED, UNLESS NOTED OTHERWISE.
- UNLESS OTHERWISE NOTED OR SHOW HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND THE PROFESSION PURVIEW OF THE SURVEYOR AND SUBJECT TO LEGAL INTERPRETATION.
- SUBJECT PROPERTY SHOW HEREON IS IN ZONE X, AREA MINIMAL FLOOD HAZARD, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0120H, MAP DATE 9/24/2021 AND ZONE AE, AREA WITH A BASE FLOOD ELEVATION OF 69.1'. THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.
- ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, ORANGE COUNTY BENCHMARK L708042, ELEVATION 71.327.
- THERE IS NO APPARENT EVIDENCE OF EARTH MOVING WORKS, BUILDING CONSTRUCTION, OR ADDITIONS WITHIN RECENT MONTHS.
- THERE IS NO OBSERVED EVIDENCE OF CHANGES IN STREET RIGHT-OF-WAY LINES EITHER COMPLETED OR PROPOSED AND RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- THE ACCURACY OF THE SURVEY MEASUREMENTS FOR THIS SURVEY MEETS OR EXCEEDS THE EXPECTED USE OF THE PROPERTY DESCRIBED HEREON. (SUBURBAN) 1 FOOT IN 7,500 FEET; (RURAL) 1 FOOT IN 5,000 FEET; (COMMERCIAL/HIGH RISK) 1 FOOT IN 10,000 FEET.
- LAST DATE IN FIELD: APRIL 13, 2023

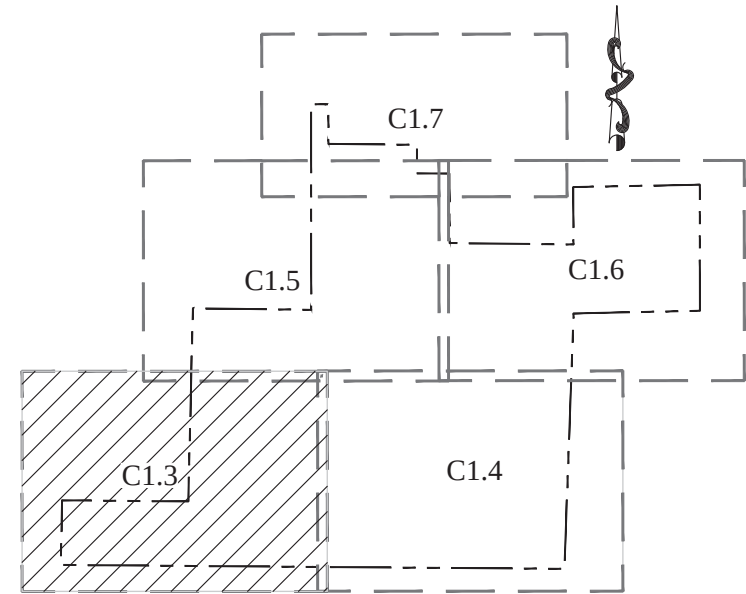


CIVIL ENGINEERING I LAND PLANNING		APPIAN ENGINEERING LLC.		APPIAN ENGINEERING LLC.	
OVERALL EXISTING CONDITIONS		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)	
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ	
SCALE: 1" = 150'		PROJECT: DDC-001		SHEET: C1.2	
DATE: 2/4/25		DATE: 2/4/25		DATE: 2/4/25	
BY: [Signature]		DATE: [Date]		DESCRIPTION: [Description]	



GRAPHIC SCALE

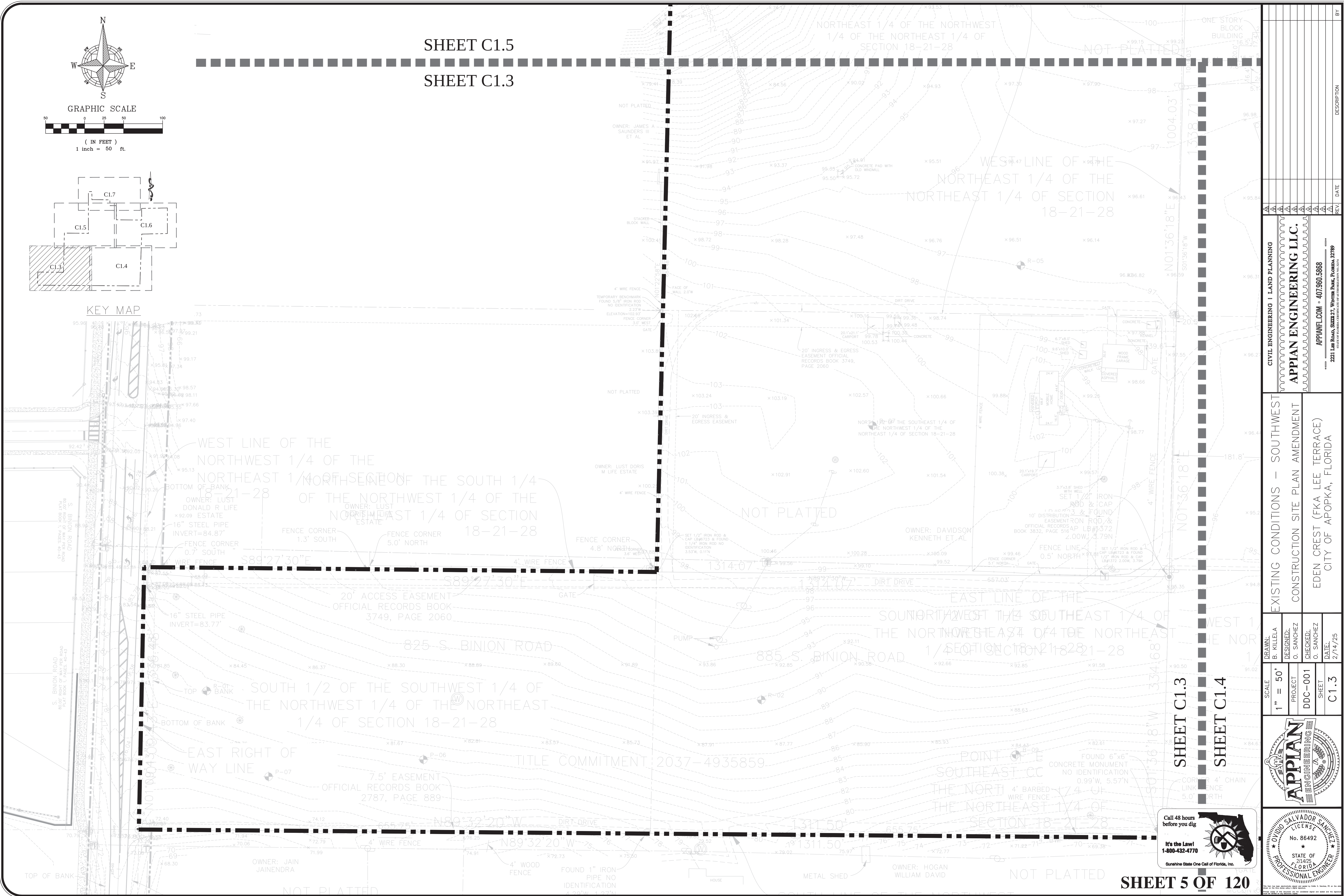
(IN FEET)
1 inch = 50 ft.



KEY MAP

SHEET C1.5

SHEET C1.3



SHEET C1.3

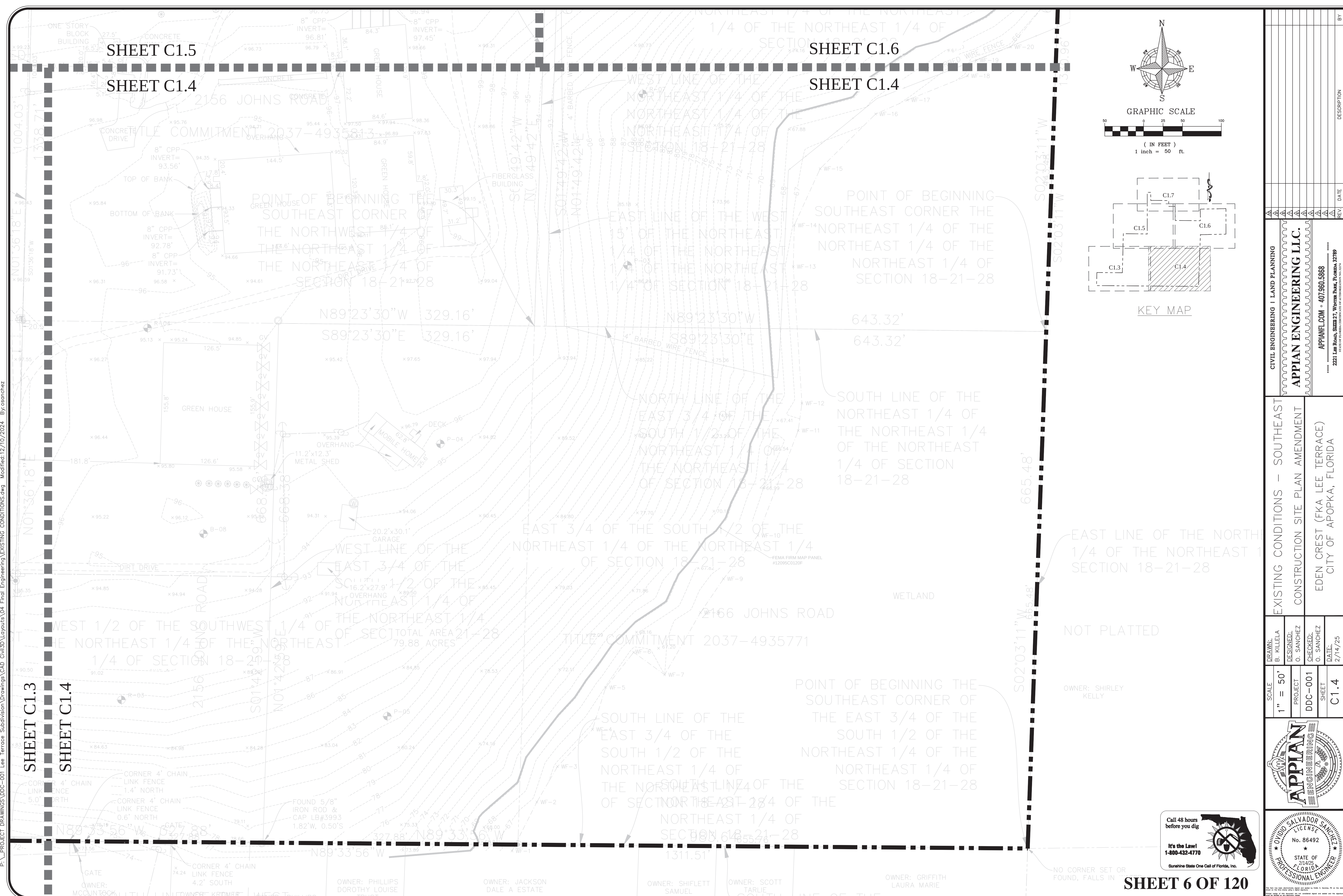
SHEET C1.4

SHEET 5 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 217, Western Park, Florida 32789		REV. DATE DESCRIPTION	
EXISTING CONDITIONS – SOUTHWEST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA			
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 50'	PROJECT:	DDC-001	SHEET:	C1.3				

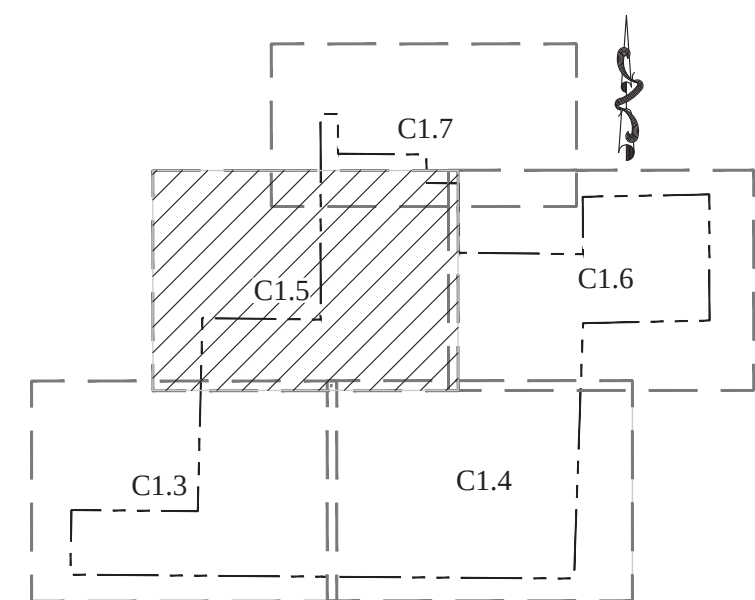


P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD CIV\3D Layouts\04 Final Engineering\EXISTING CONDITIONS.dwg Modified: 12/10/2024 By: osanchez

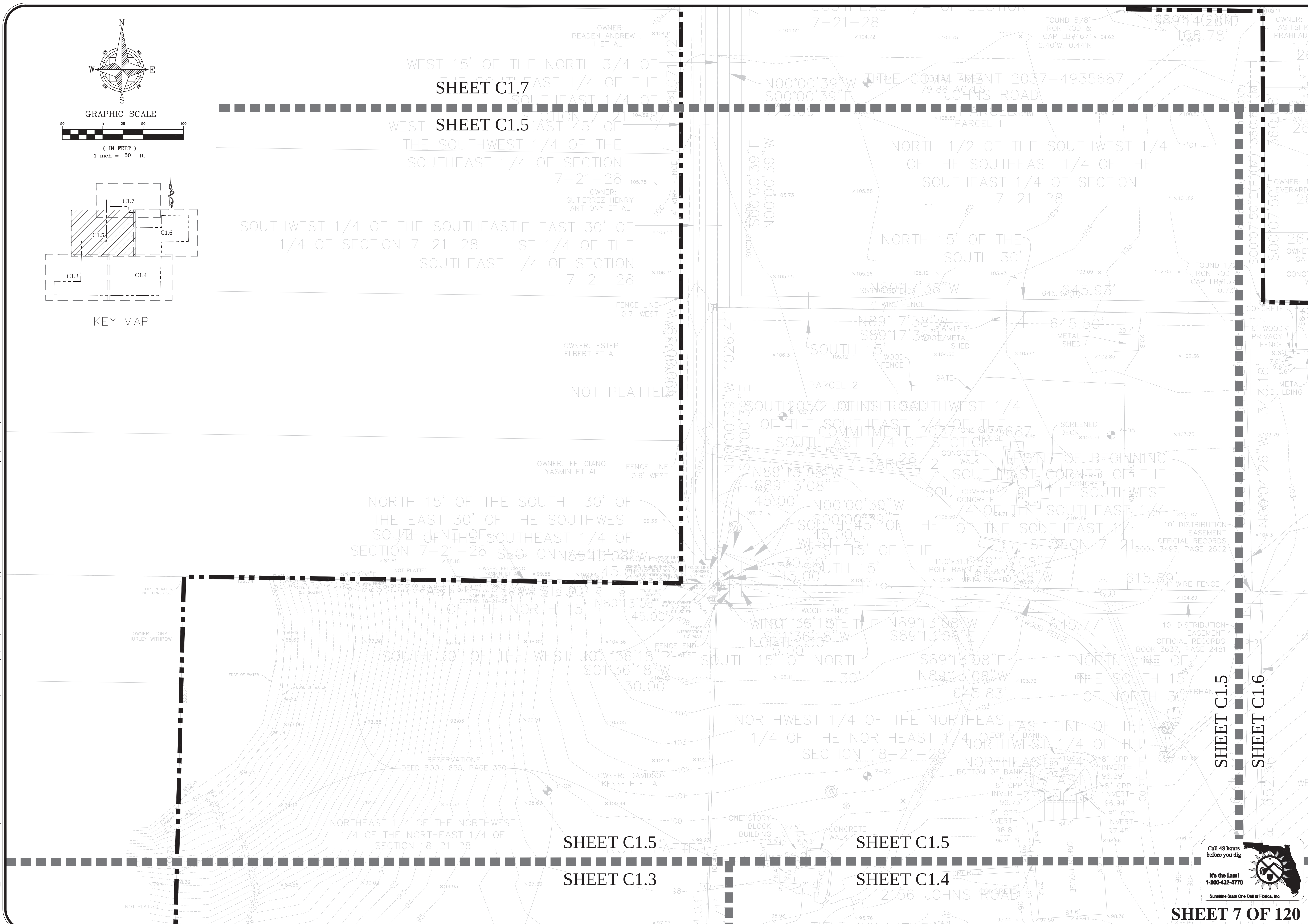


CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 201, Winter Park, Florida, 32789		BY							
EXISTING CONDITIONS – SOUTHEAST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DESCRIPTION							
SCALE 1" = 50'	PROJECT DDC-001	DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25	SHEET C1.4	REV.	DATE							
APPIAN ENGINEERING		FLORIDA PROFESSIONAL ENGINEER		No. 86492		STATE OF FLORIDA				201405					
Call 48 hours before you dig		It's the Law!		1-800-432-4770		Sunshine State One Call of Florida, Inc.				NO CORNER SET OR FOUND, FALLS IN					

SHEET 6 OF 120

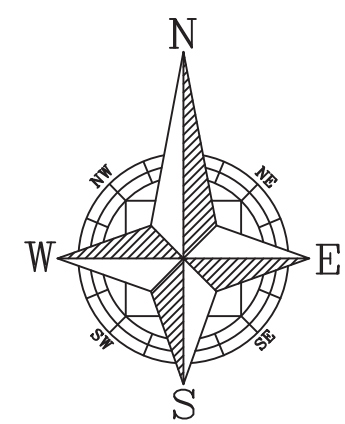


P: _PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\EXISTING CONDITIONS.dwg Modified: 12/10/2024 By: osanchez

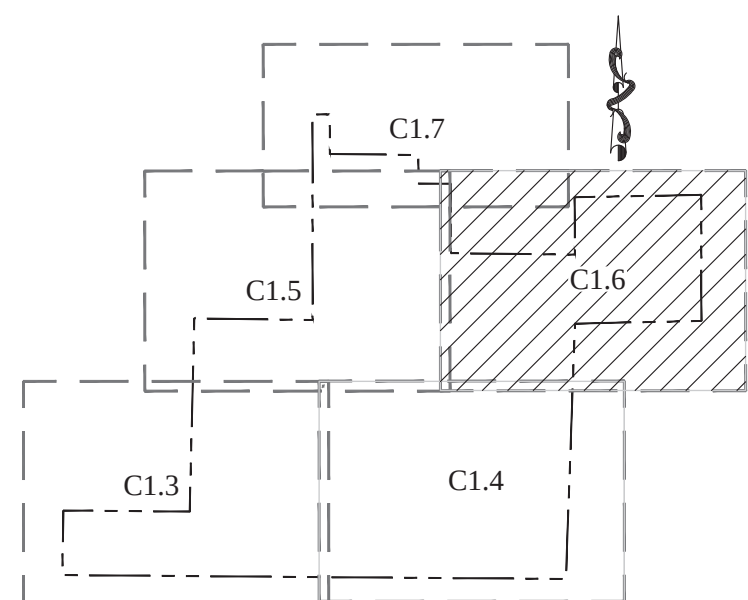
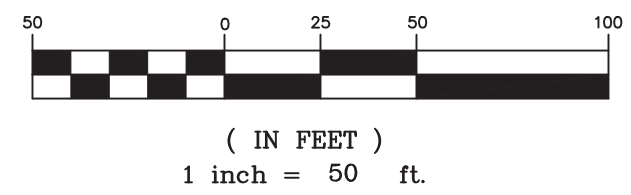


SHEET 7 OF 120

	SCALE	1" = 50'	EXISTING CONDITIONS – NORTHWEST CONSTRUCTION SITE PLAN AMENDMENT EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407.960.5868 2221 Lido Road, Suite 27, Wynton Park, Florida, 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 32789	REV	DATE	BY
	DRAWN:	B. KILLELA					
	DESIGNED:	O. SANCHEZ					
	CHECKED:	O. SANCHEZ					
	SHEET	C1.5					
	DATE:	2/14/25					



GRAPHIC SCALE



KEY MAP

MAUDEHELEN SUBDIVISION
PLAT BOOK 64, PAGE 1

WESTERLY LINE
MAUDEHELEN
SUBDIVISION PHASE

Call 48 hours
before you dig



It's the Law!
1-800-432-4770

Sunshine State One Call of Florida, Inc.



EXISTING CONDITIONS – NORTHEAST

CONSTRUCTION SITE PLAN AMENDMENT

IN CREST (FKA LEE TERRACE)
CITY OF AOPKA, FLORIDA

CIVIL ENGINEERING | LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

2221 LEE ROAD, SUITE 27, WINTER PARK, FLORIDA 32774
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 32174

THE ROAD, SUITE 27, WINTER PARK, FLORIDA 32774
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 32174

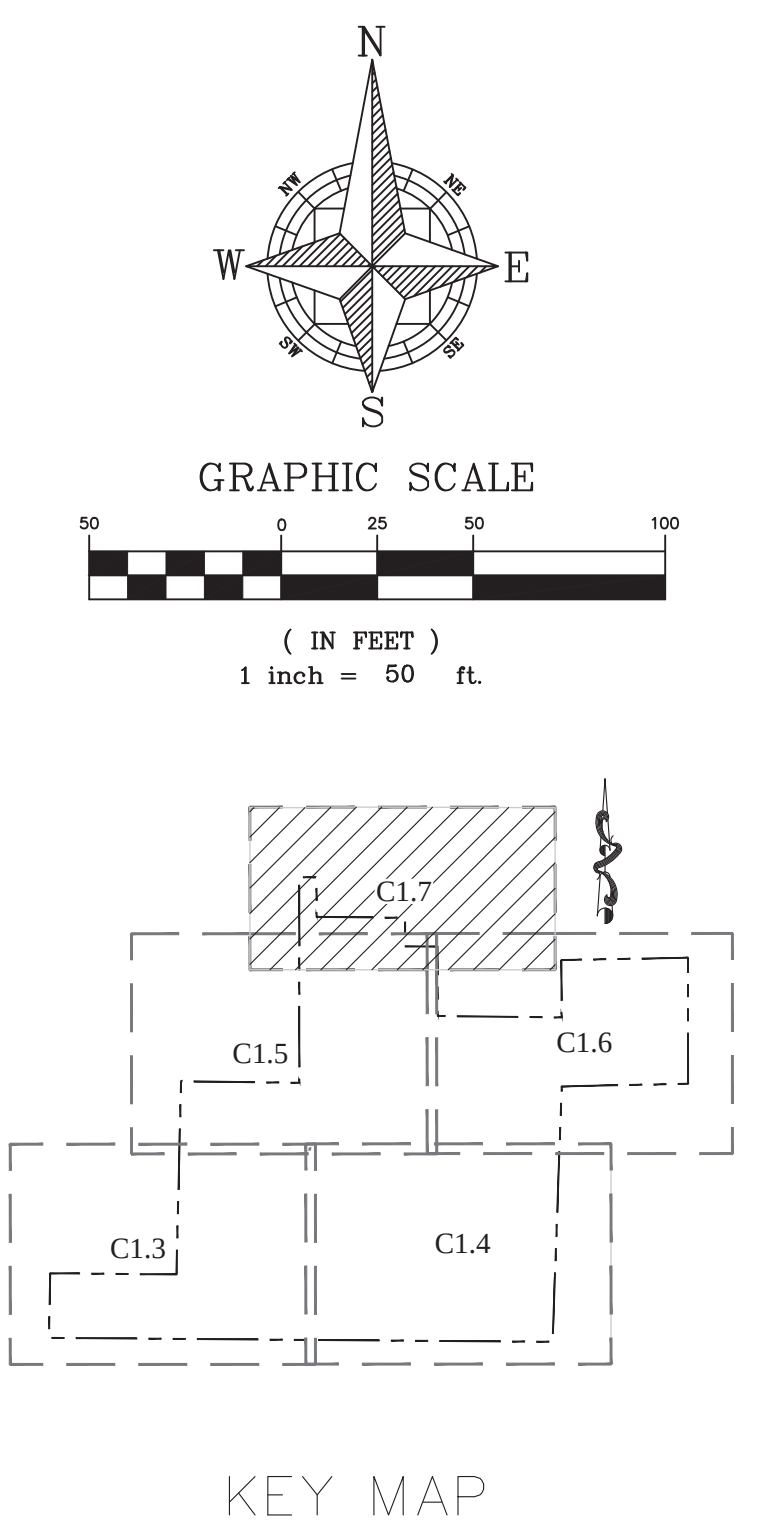
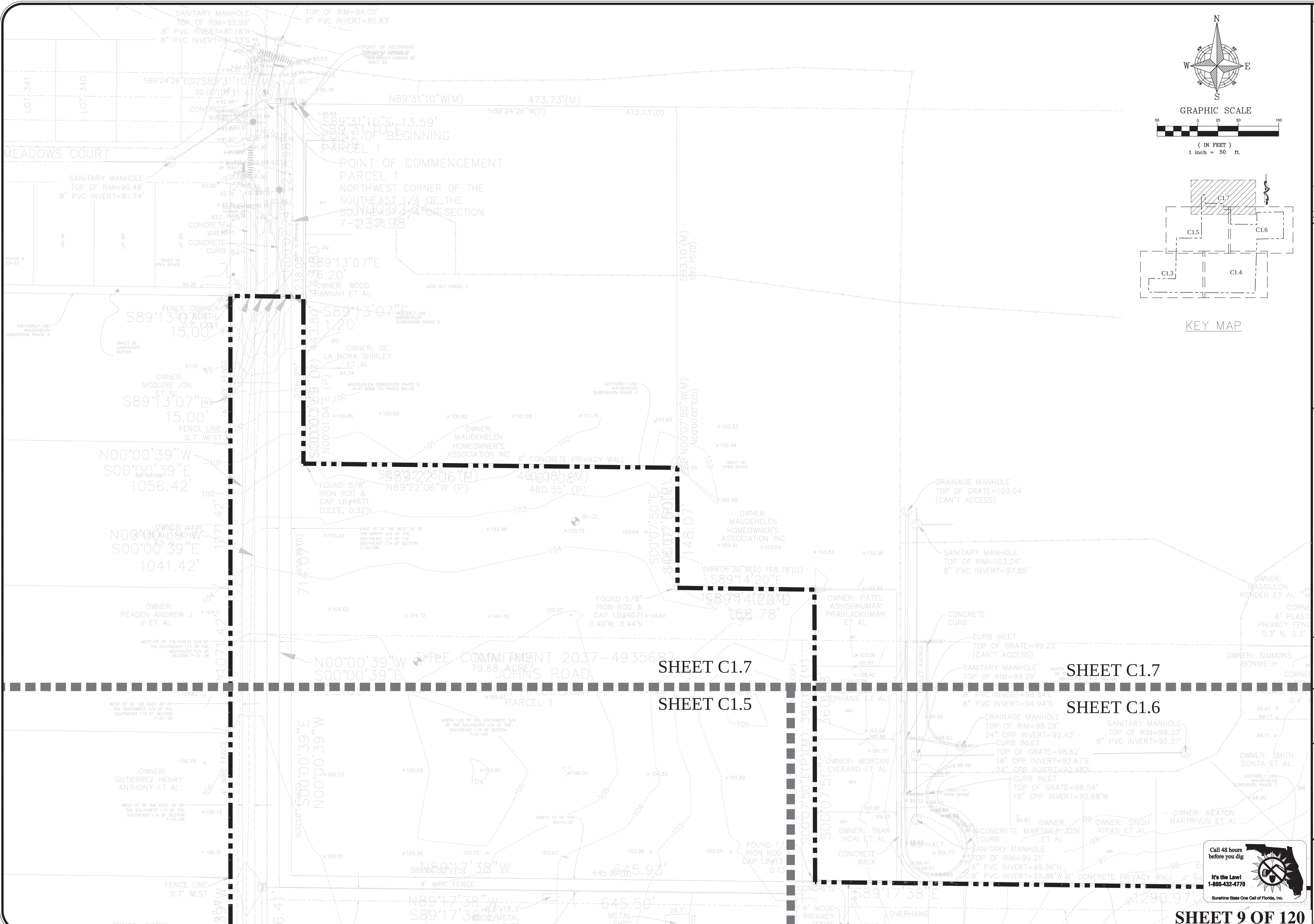
DESCRIPTION

REV.	DATE
1	

REV.	DATE
1	

BY

Page 11 of 95

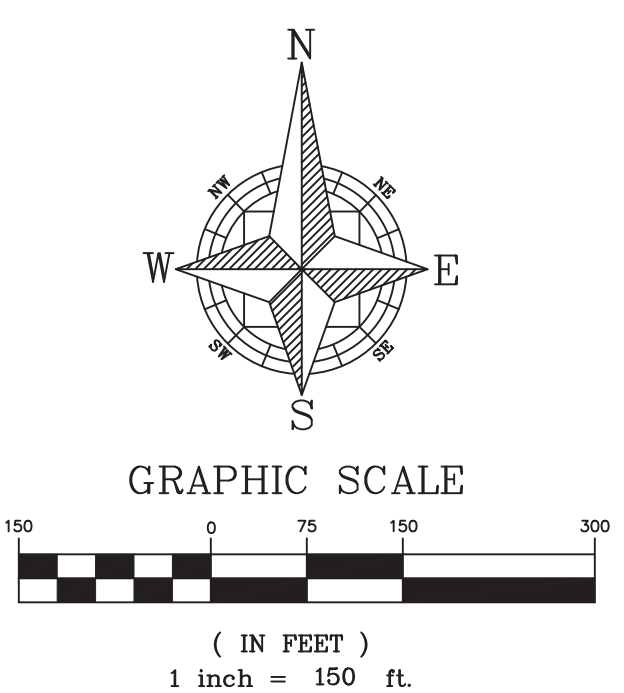
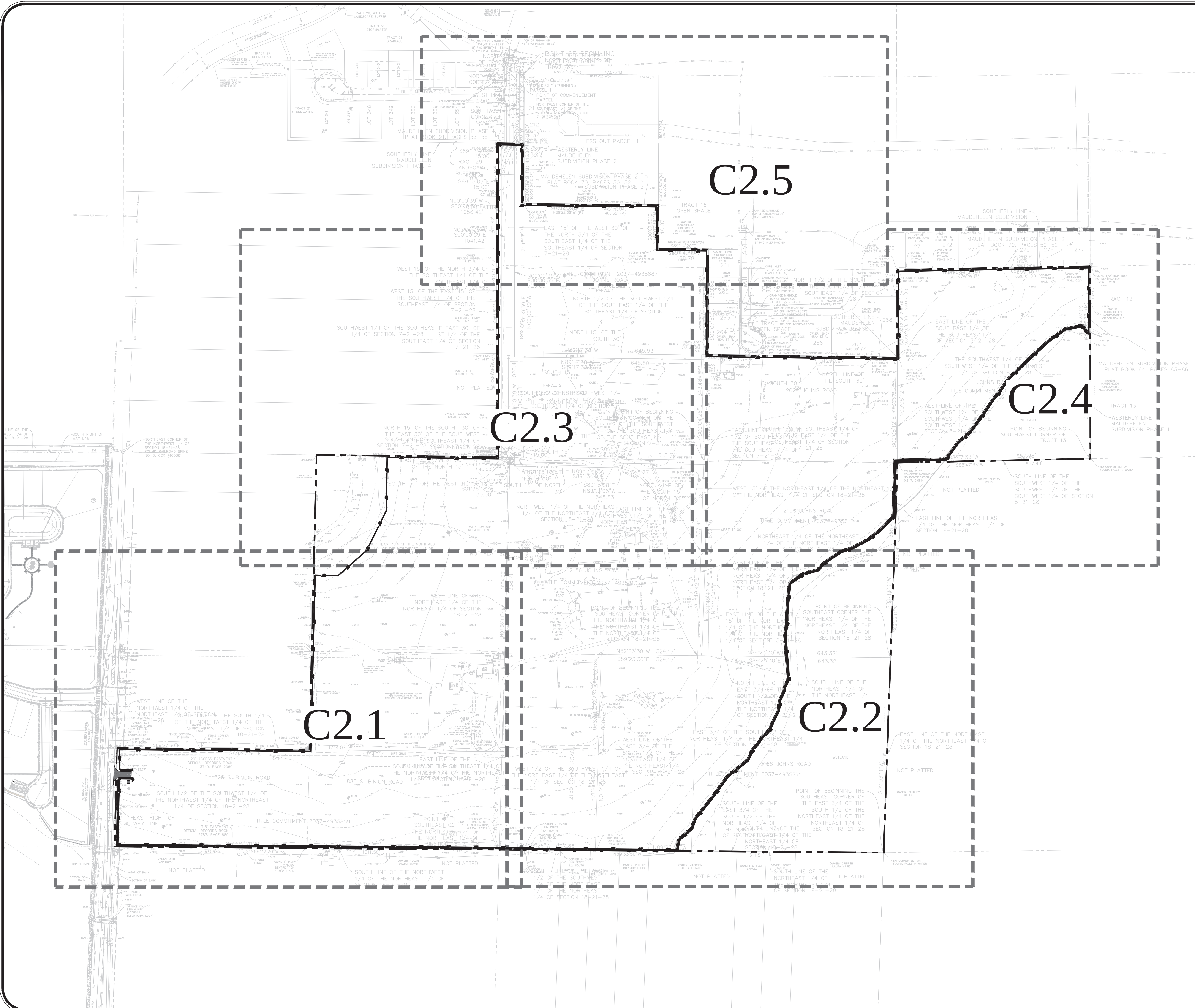


SHEET C1.7
SHEET C1.5

SHEET C1.7
SHEET C1.6
SHEET C1.7

SHEET 9 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Winter Park, Florida 32789		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 12789	
EXISTING CONDITIONS – NORTH	CONSTRUCTION SITE PLAN AMENDMENT	EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE		DESCRIPTION	
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25	SHEET C1.7		SCALE 1" = 50'		PROJECT DDC-001	
APPIAN ENGINEERING		FLORIDA PROFESSIONAL ENGINEER		No. 86492		STATE OF FLORIDA		21405	
Call 48 hours before you dig		It's the Law! 1-800-432-4770		Sunshine State One Call of Florida, Inc.		BENCHMARK		96	



EROSION CONTROL NOTES:

AN EROSION CONTROL AGENDA SHALL BE PREPARED BY THE CONTRACTOR. CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE EXTENT THAT IS REASONABLE. MEASURES SHALL BE TAKEN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION SHALL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION SHALL BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. THIS REQUIREMENT SHALL BE SATISFIED BY THE CONTRACTOR THROUGH THE USE OF EROSION CONTROL MEASURES. EROSION CONTROL MEASURES SHALL PROVIDE SYNTHETIC BALES, SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.

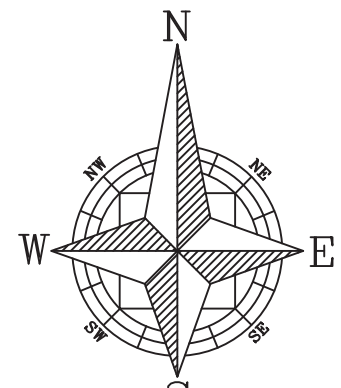
1. **STOCKPILING MATERIAL:**
NO EXCAVATED MATERIAL SHALL BE STOCKED PILED IN SUCH MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
2. **EXPOSED AREA LIMITATION:**
THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CUTS, SLOPES, AND SUBSIDING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 5 ACRES SO LONG AS THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENT.
3. **INLET PROTECTION:**
INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LAKE, STORM RUNOFF, UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
4. **TEMPORARY SEEDING:**
AREAS EXPOSED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN SEVEN DAYS SHALL BE SEEDDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED, AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 LBS. PER ACRE.
5. **TEMPORARY SEEDING AND MULCHING:**
SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN 4 ABOVE, SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDDED AREA TO A DEPTH OF FOUR INCHES.
6. **TEMPORARY GRASSING:**
AREAS SEEDDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERS ARE REQUIRED TO ASSURE OPTIMAL GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
7. **TEMPORARY REGASSING:**
IF, AFTER FOURTEEN DAYS, THE TEMPORARY GRASSSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA SHALL BE REGRASSED AND MULCHING SHALL BE APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.
8. **MAINTENANCE:**
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. **DUST ABATEMENT:**
DUST SHALL BE CONTROLLED WITH USE OF WATER AND CALCIUM CHLORIDE.
10. **SODDING OF RETENTION POND AND CONVEYANCE SWALE SIDE SLOPES**
SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.
11. **AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES, ALL ACCUMULATED SEDIMENT MUST BE REMOVED FOR THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.**
12. **AT A MINIMUM SILT BARRIERS SHALL BE PLACED AS SHOWN ON SHEETS C21-C2.5 OF THE CONSTRUCTION PLANS TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING WETLAND. IF THE CONSTRUCTION AND THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORY, ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH ORANGE COUNTY AND S.J.R.W.M.D. EROSION PROTECTION STANDARDS.**
13. **CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION PROTECTION COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.**
14. **ANY EXISTING WELLS ON SITE MUST BE ABANDONED/CAPPED AS PER S.J.R.W.M.D. AND FEED PROCEDURES.**
15. **REFER TO ORANGE COUNTY RIGHT-OF-WAY UTILIZATION PERMIT PLANS FOR OFFSITE EROSION CONTROL, MAINTENANCE OF TRAFFIC AND DEMO PLANS.**

EDEP NPDES PERMIT NOTES:

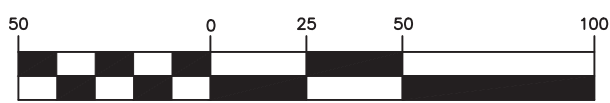
- DEVELOPER PERMIT NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NOI FDEP PERMIT.
 2. THE CONTRACTOR IS RESPONSIBLE FOR CREATING AND MAINTAINING THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
 3. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE WEEKLY INSPECTION REPORTS AND REQUIRED INSPECTIONS AFTER THE SPECIFIED RAINFALL EVENTS PER THE NPDES PERMIT.



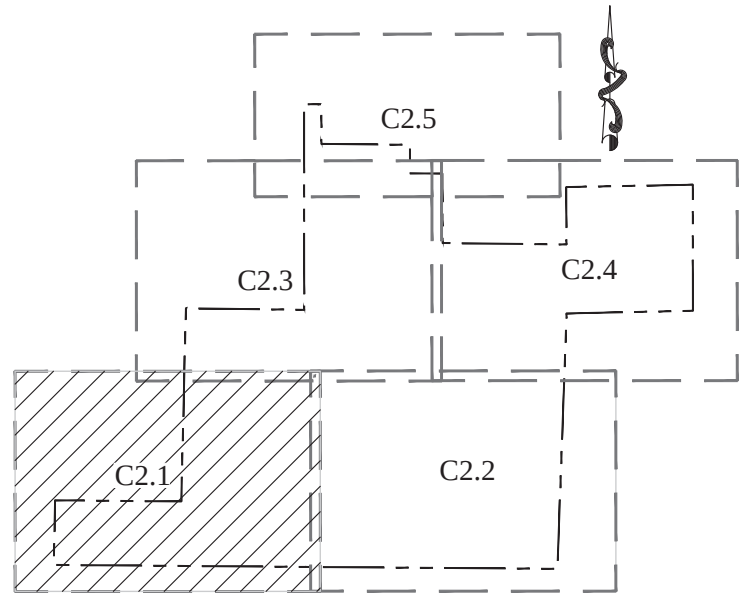
P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD\Civ3D\Layouts\04 Final Engineering\EROSION CONTROL, M.O.T. & DEMO PLAN.dwg Modified 5/23/2024 By: csanchez



GRAPHIC SCALE



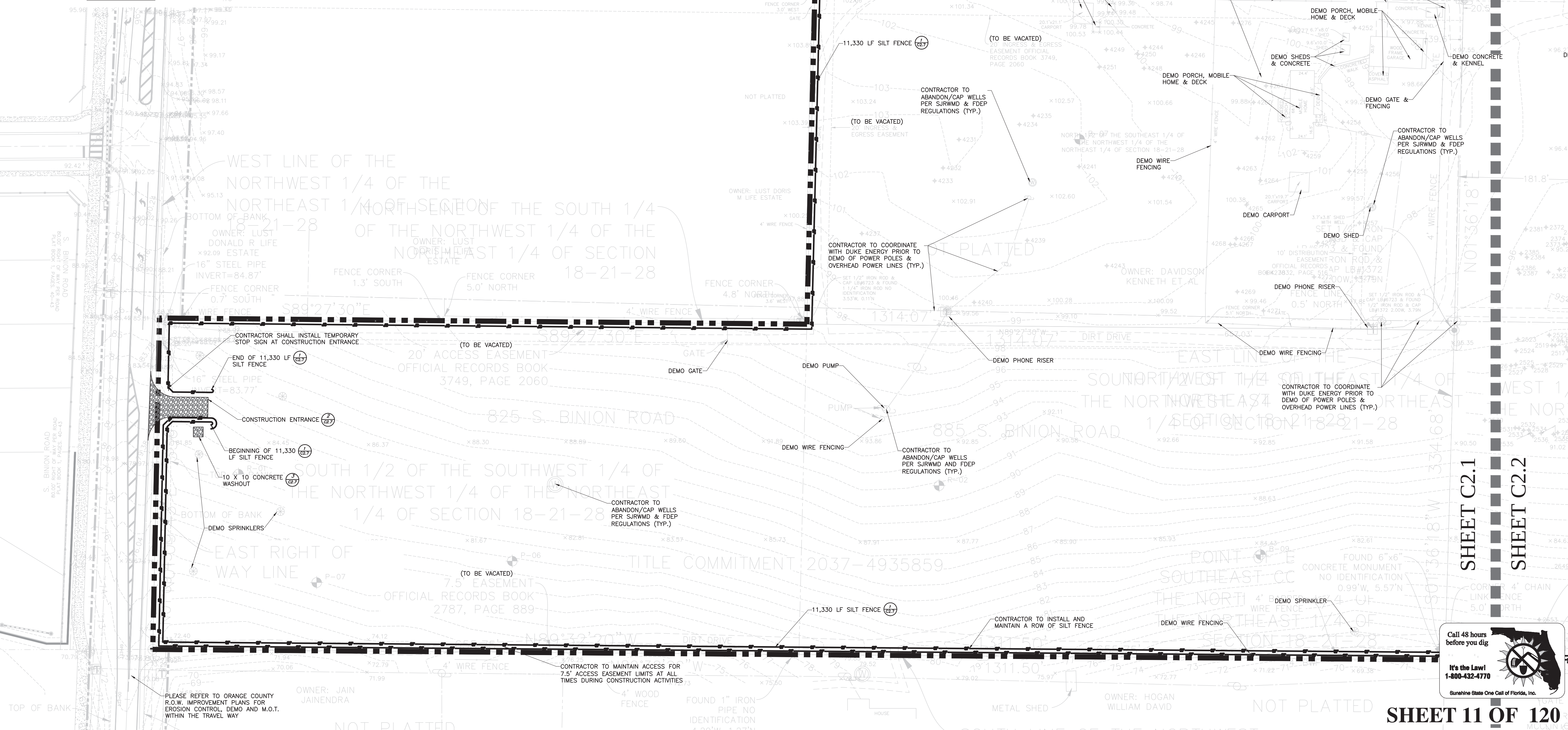
(IN FEET)
1 inch = 50 ft.



KEY MAP

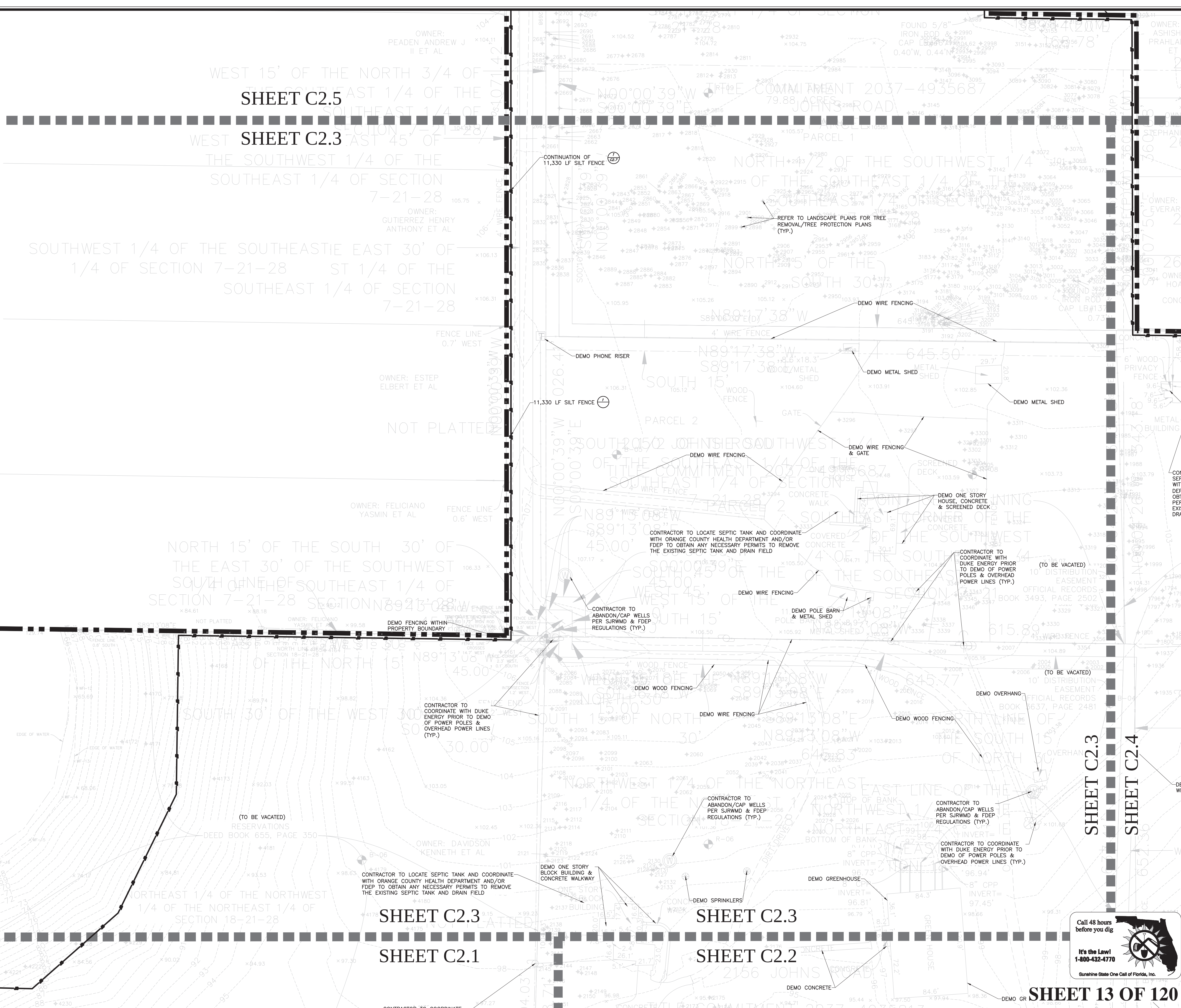
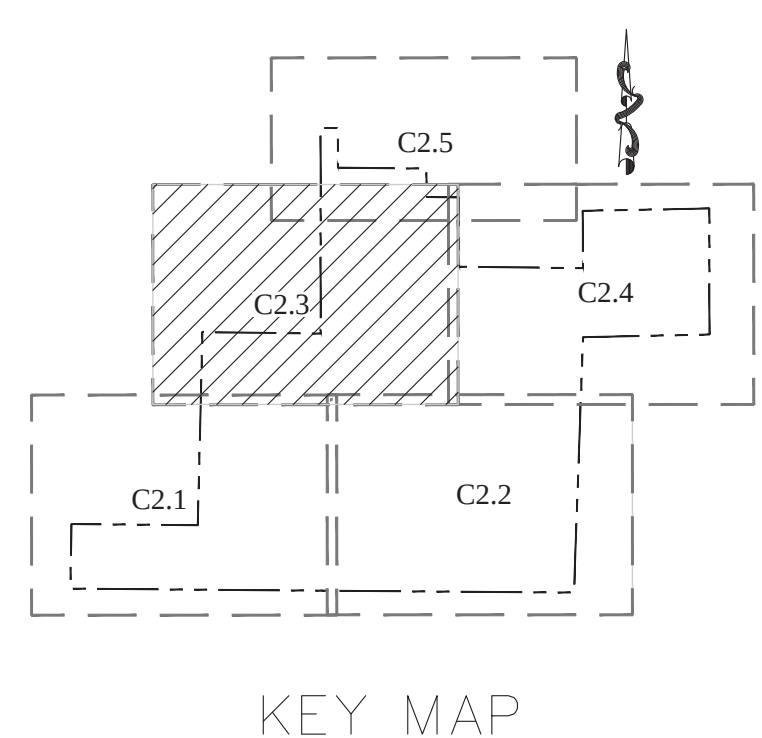
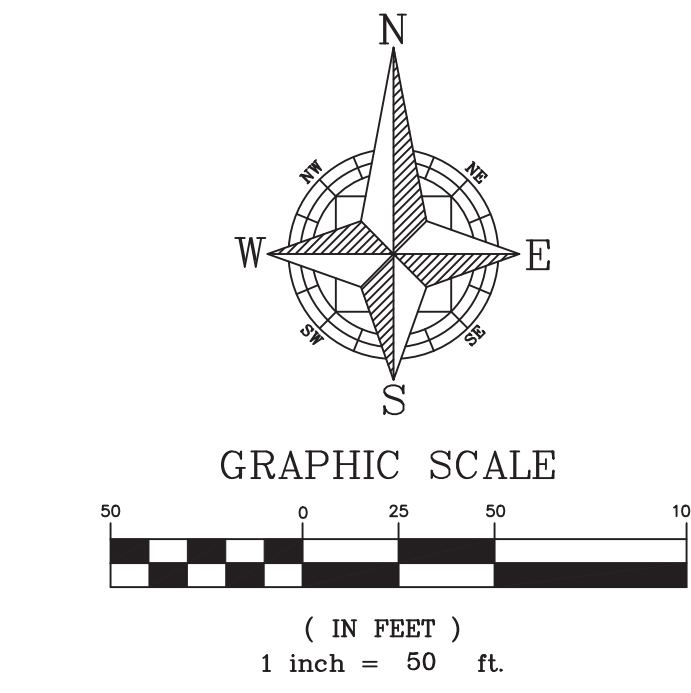
SHEET C2.3

SHEET C2.1

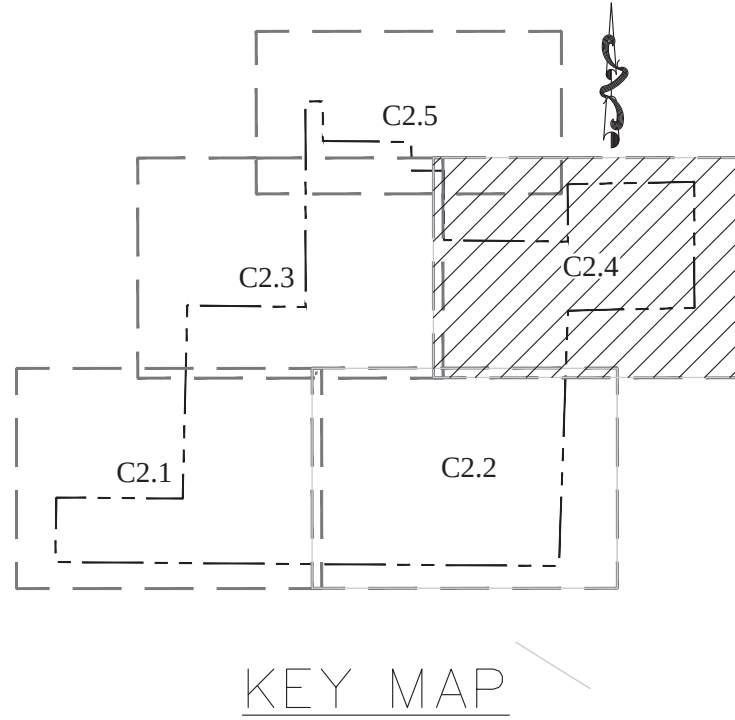
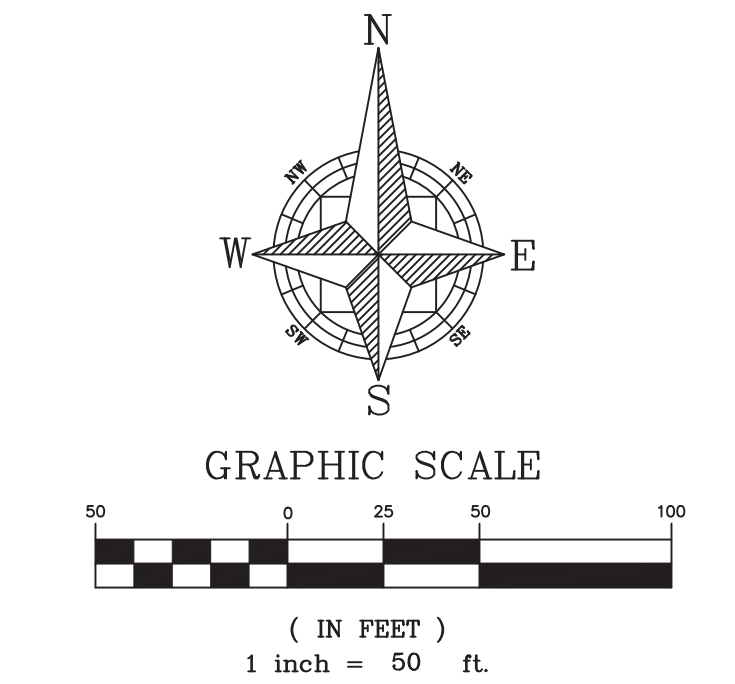
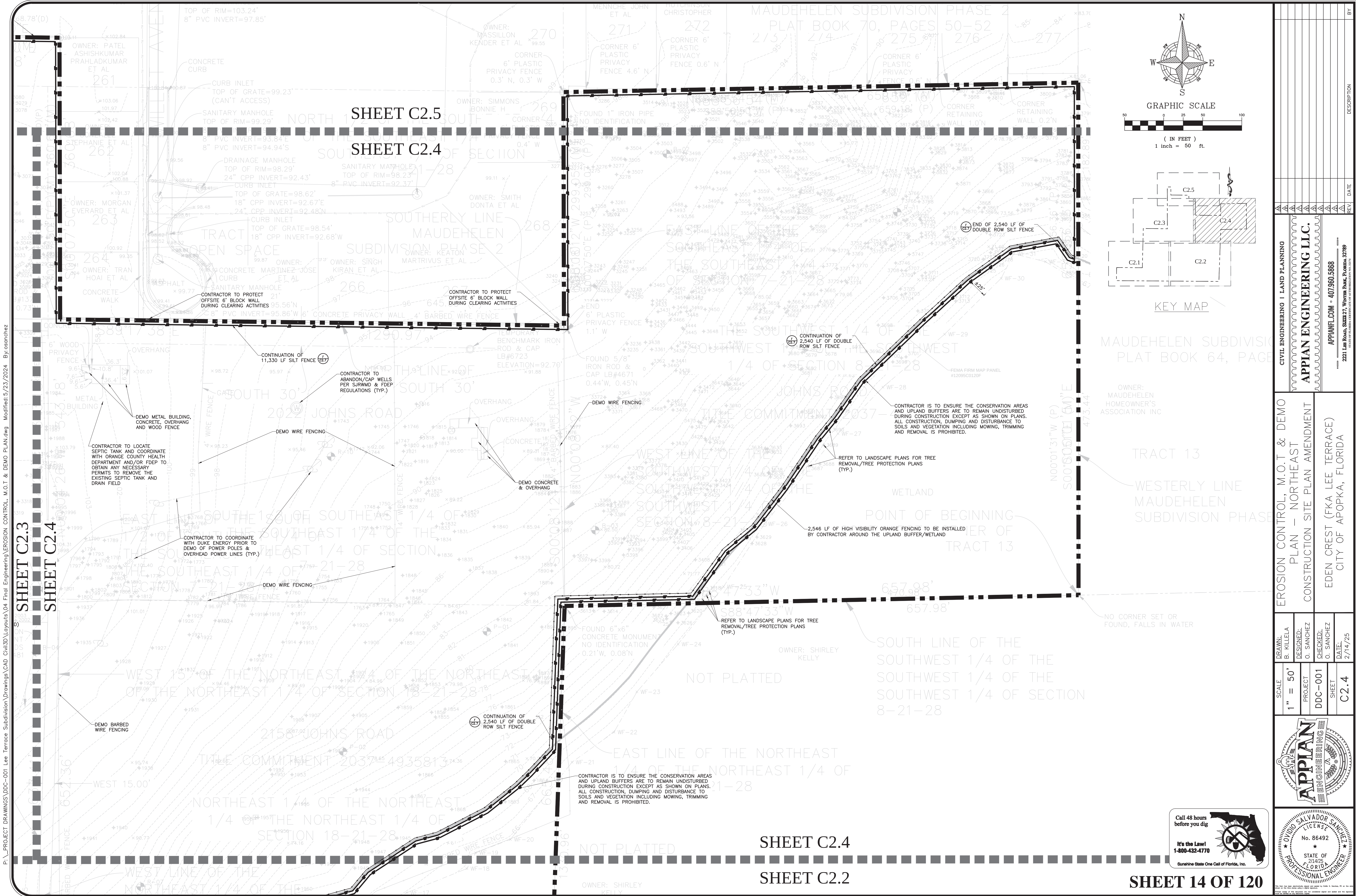


CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 217, Orange Park, Florida 32067		BY	
EROSION CONTROL, M.O.T. & DEMO		PLAN - SOUTHWEST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/4/25		
SCALE:	1" = 50'	PROJECT:	DDC-001	SHEET:	C2.1				

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\EROSION CONTROL, M.O.T. & DEMO PLAN.dwg Modified: 5/23/2024 By: ccsanchez

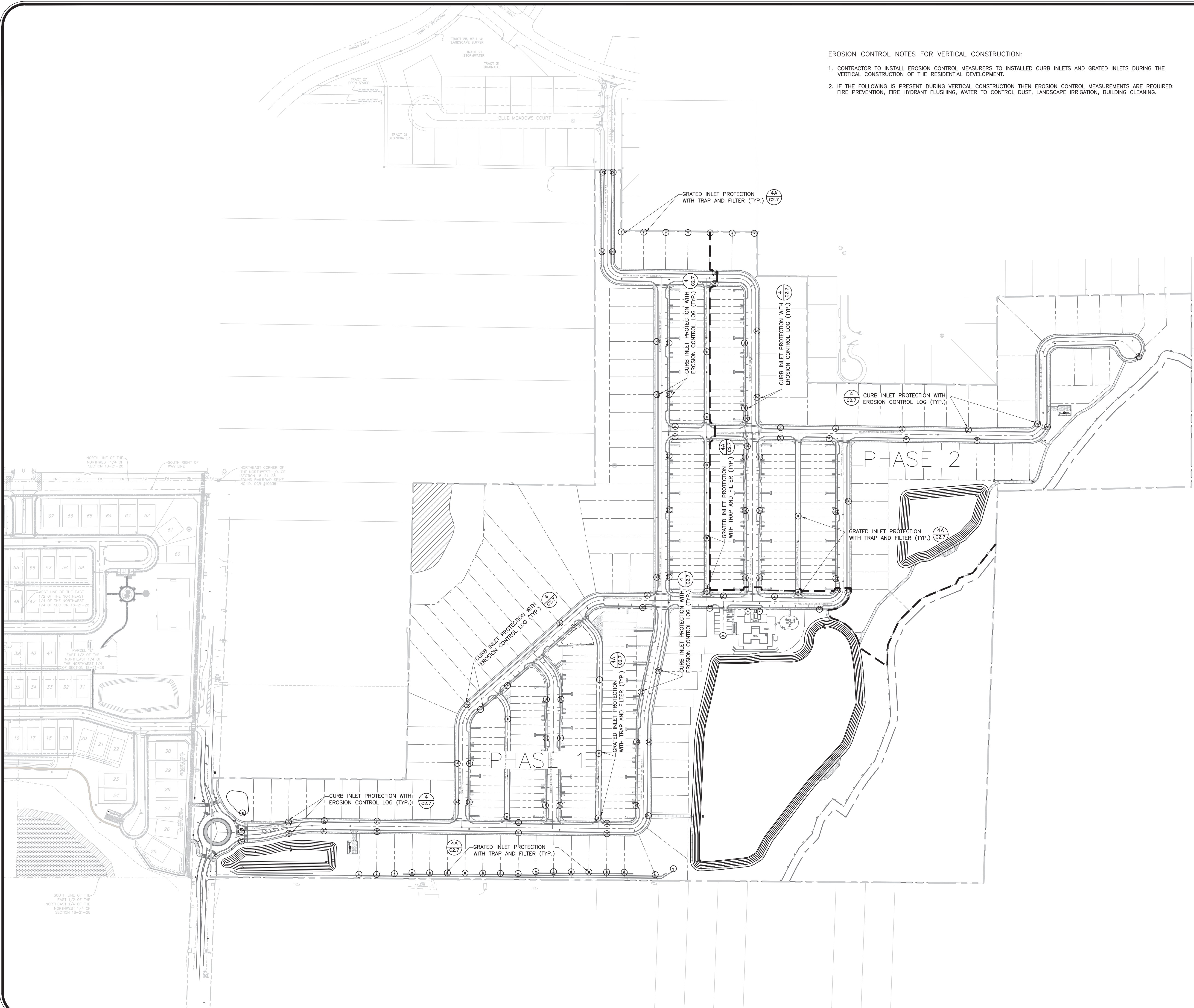


CIVIL ENGINEERING I LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 217, Winter Park, Florida 32789		DESCRIPTION		BY	
EROSION CONTROL, M.O.T. & DEMO		PLAN - NORTHWEST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE	
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/4/25		SHEET C2.3		SHEET 13 OF 120	
SCALE: 1" = 50'		PROJECT: DDC-001		SHEET: C2.3		DATE: 2/4/25		SHEET C2.3		SHEET 13 OF 120	
APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING	
FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER	
No. 86492		No. 86492		No. 86492		No. 86492		No. 86492		No. 86492	
STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA	
Professional Engineer		Professional Engineer		Professional Engineer		Professional Engineer		Professional Engineer		Professional Engineer	
Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig	
It's the Law!		It's the Law!		It's the Law!		It's the Law!		It's the Law!		It's the Law!	
1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770	
Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.	



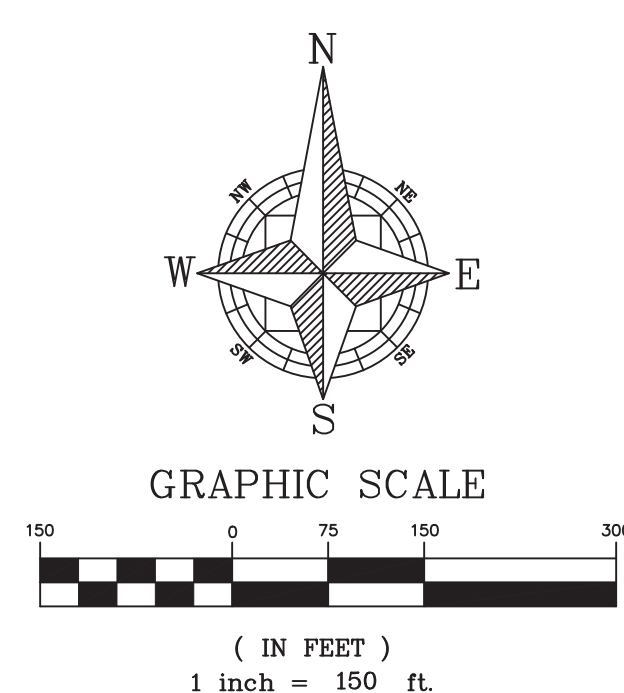
CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
APPIANFL.COM • 407.960.5868	
2221 Lee Road, Suite 207, Winter Park, Florida 32789	
ALL INFORMATION IS FOR INFORMATION ONLY.	
REVISIONS	DESCRIPTION
DATE	BY
EROSION CONTROL, M.O.T. & DEMO	
PLAN - NORTHEAST	
CONSTRUCTION SITE PLAN AMENDMENT	
EDEN CREST (FKA LEE TERRACE)	
CITY OF APOPKA, FLORIDA	
DRAWN: B. KILLELA	SCALE: 1" = 50'
DESIGNED: O. SANCHEZ	PROJECT: DDC-001
CHECKED: O. SANCHEZ	SHEET: C2.4
DATE: 2/14/25	





EROSION CONTROL NOTES FOR VERTICAL CONSTRUCTION:

1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES TO INSTALLED CURB INLETS AND GRATED INLETS DURING THE VERTICAL CONSTRUCTION OF THE RESIDENTIAL DEVELOPMENT.
2. IF THE FOLLOWING IS PRESENT DURING VERTICAL CONSTRUCTION THEN EROSION CONTROL MEASUREMENTS ARE REQUIRED: FIRE PREVENTION, FIRE HYDRANT FLUSHING, WATER TO CONTROL DUST, LANDSCAPE IRRIGATION, BUILDING CLEANING.



LEGEND

- PROPERTY BOUNDARY
 PHASE LINE

CIVIL ENGINEERING | LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

2221 LEE ROAD, SUITE 27, WINTER PARK, FLORIDA 32789
SEVEN ONE SEVEN ONE CERTIFICATE OF AUTHORIZATION NO. 1341

EROSION CONTROL FOR
VERTICAL CONSTRUCTION
CONSTRUCTION SITE PLAN AMENDMENT

DEN CREST (FKA LEE TERRACE)
CITY OF AOPKA, FLORIDA

DRAWN:
B. KILLER

DESIGNED:

O. SANCHEZ

CHECKED:
O. SANCHEZ

SCALE

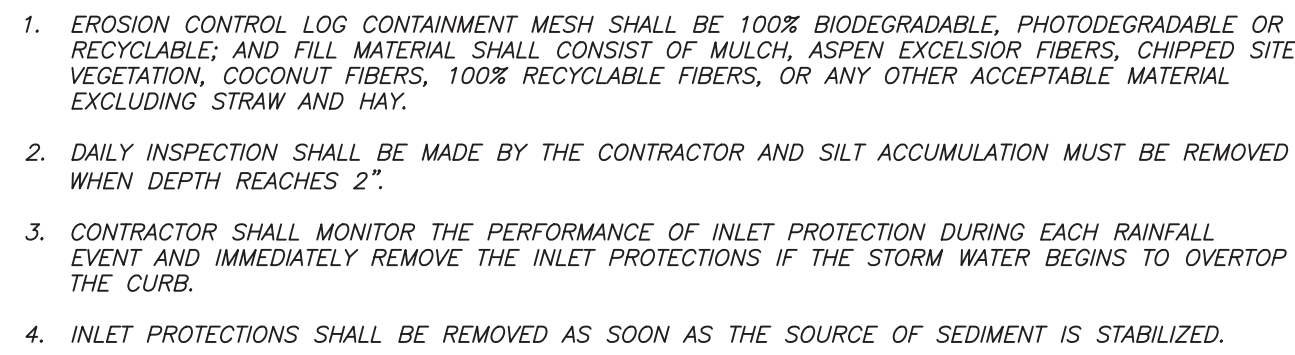
PROJECT

3





1 TYPE III SILT FENCE DETAIL
N.T.S.



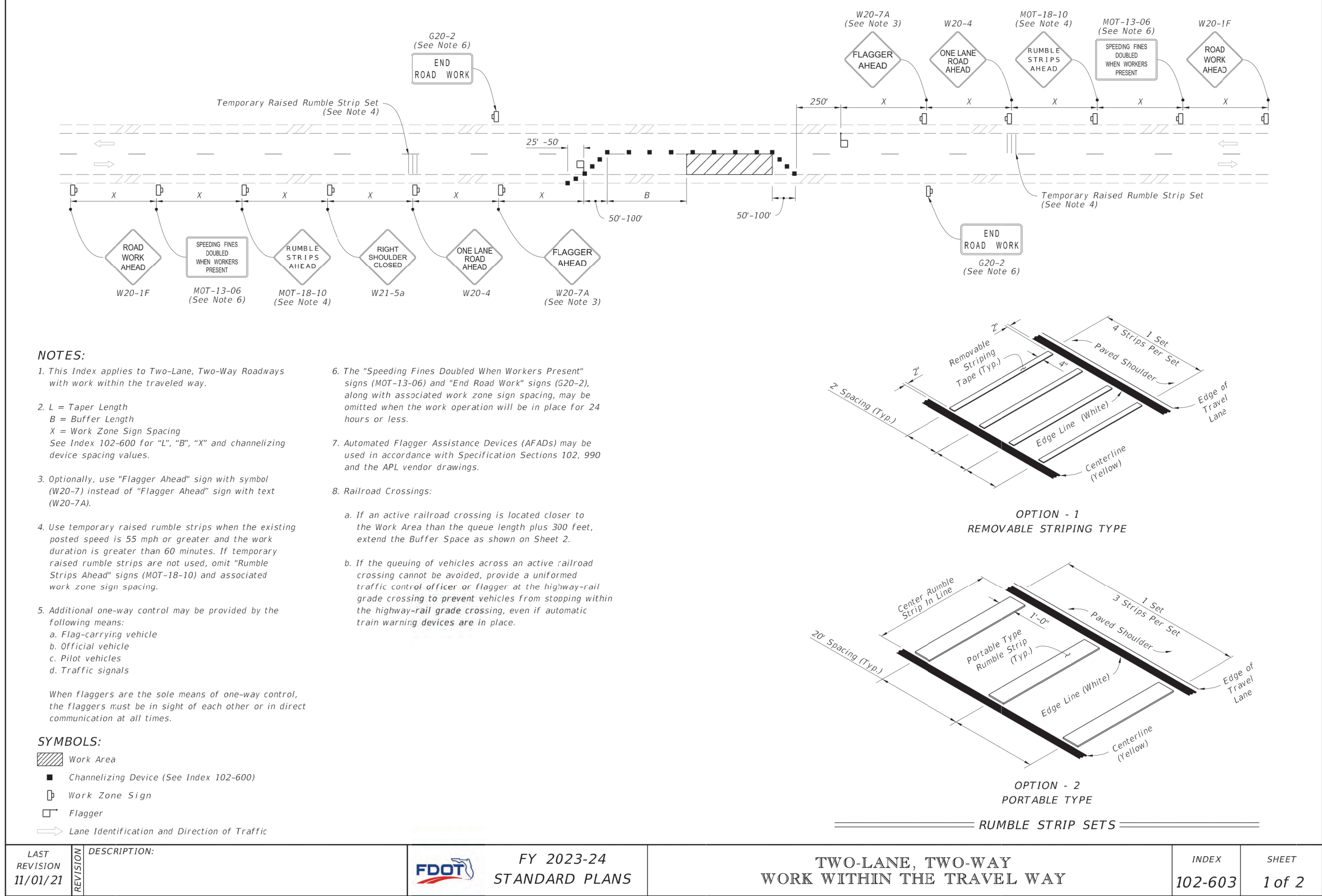
4 EROSION CONTROL LOG DETAIL
N.T.S.



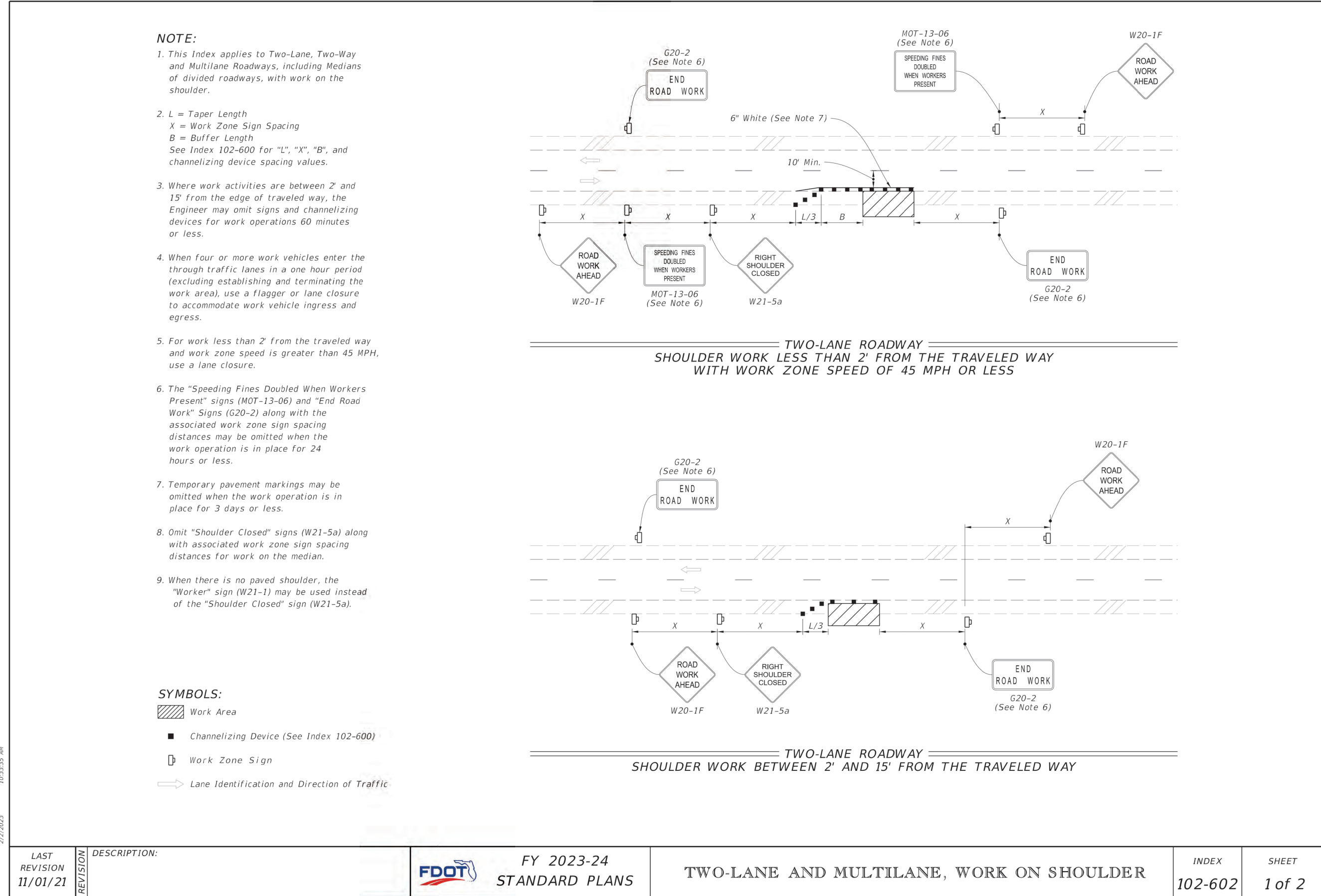
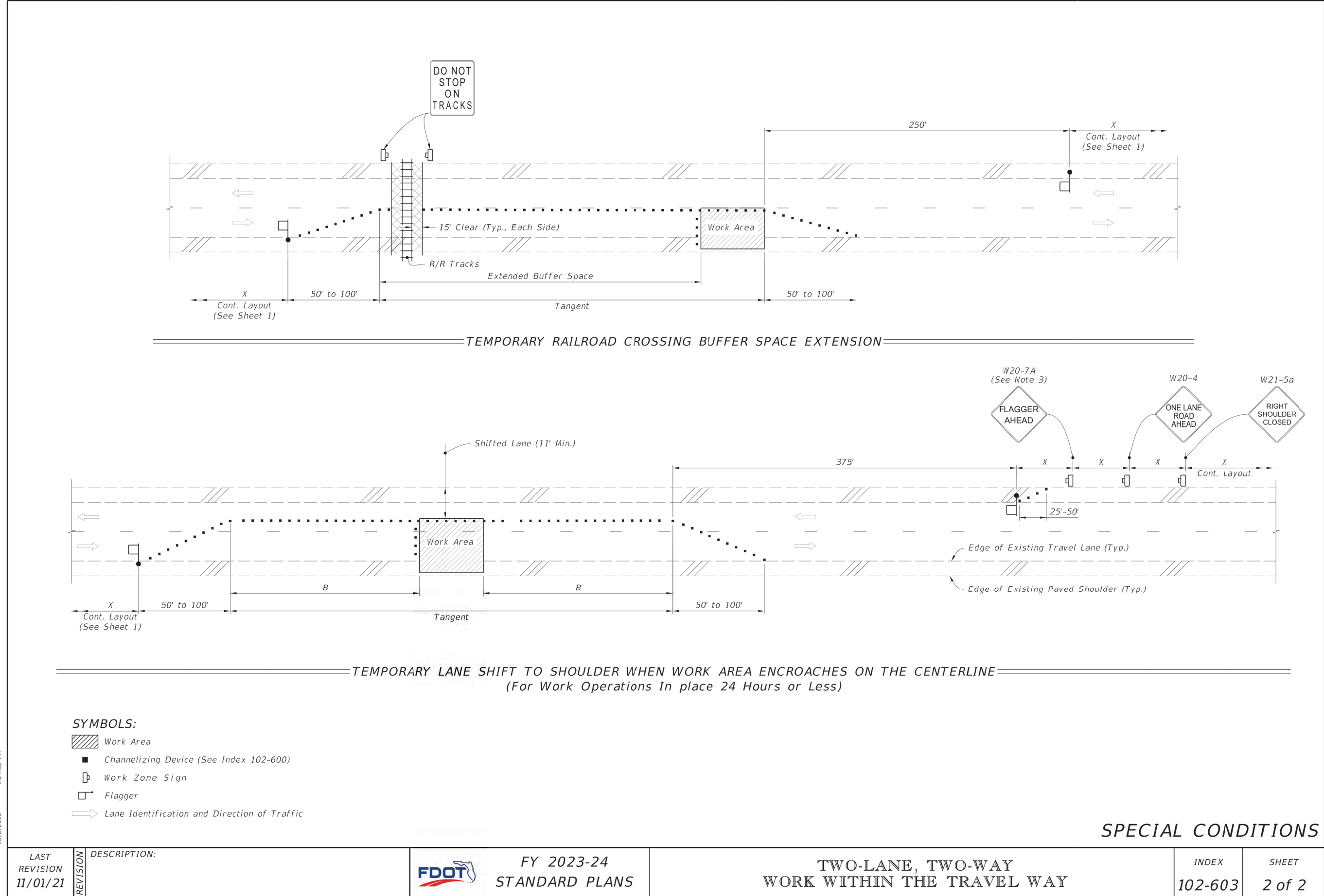
1. LOCATE WASHOUT STRUCTURE TO MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE DAMAGE TO WHEELS. USE 1/2" TO 3/4" THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP COMPLETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. REMOVE STORM WATER FROM WASHOUT STRUCTURE IMMEDIATELY AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE ALL SOLIDS, DEBRIS, AND OTHER MATERIALS FROM OVERFLOWS OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

3 CONCRETE WASH OUT
N.T.S.

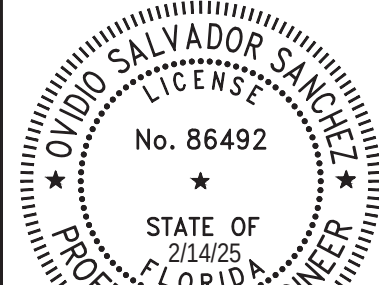
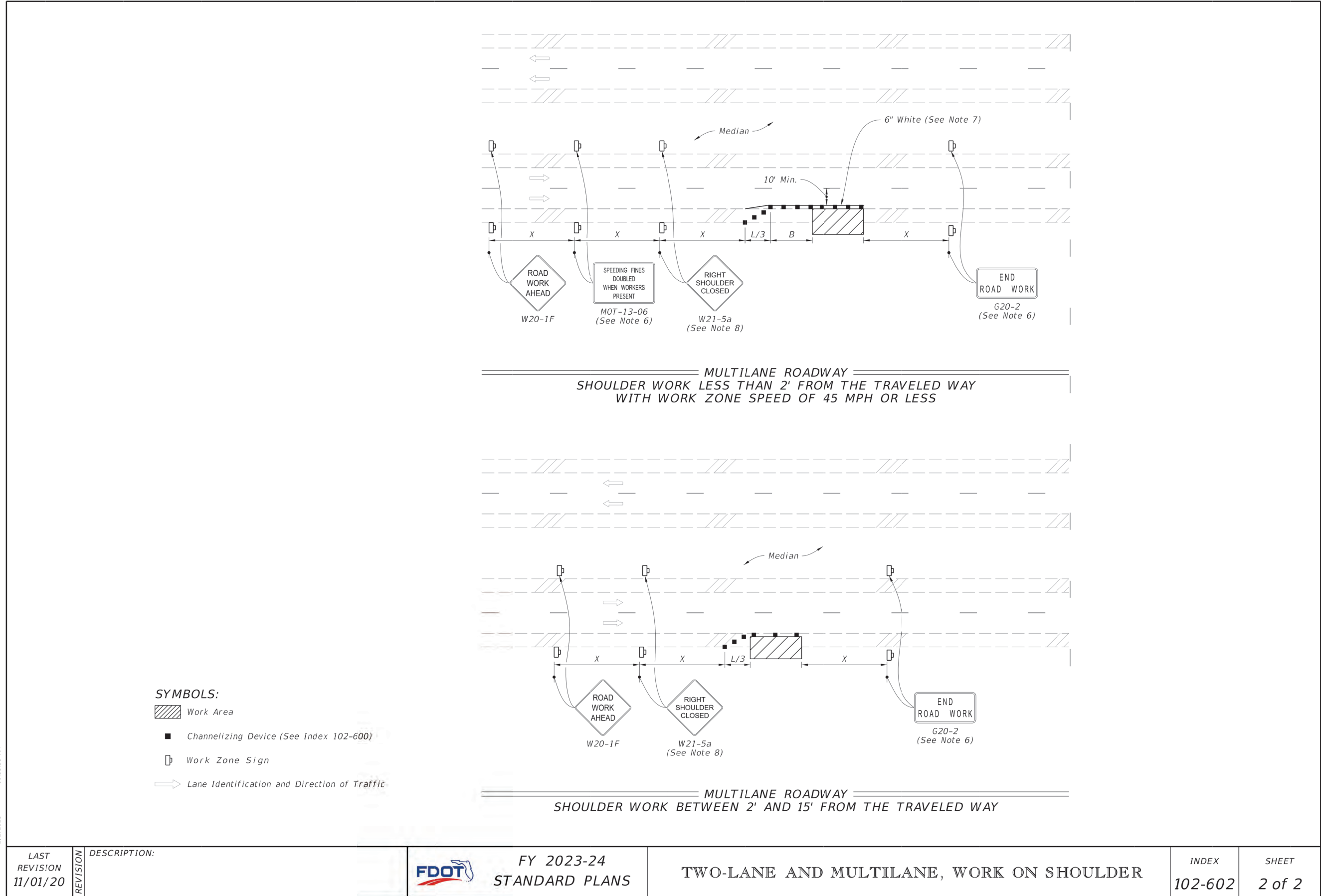


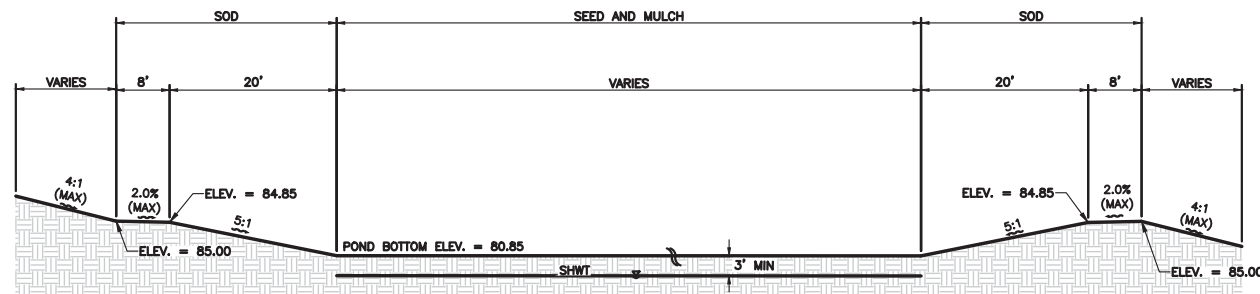


5 FDOT M.O.T. DETAIL – WORK WITHIN TRAVEL WAY
N.T.S.



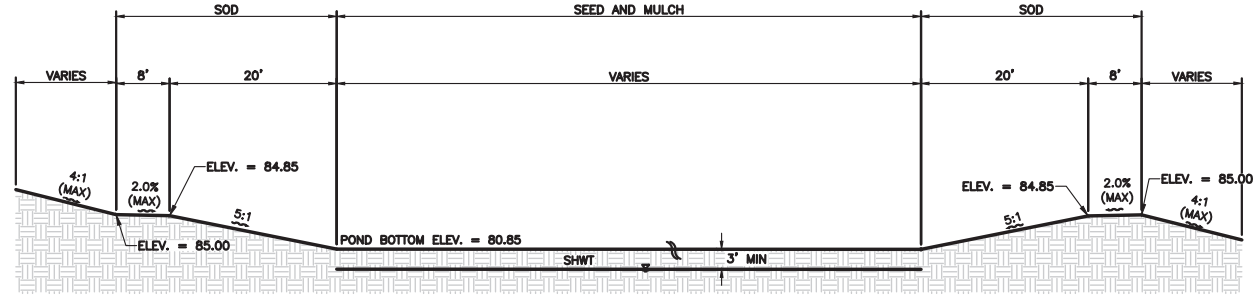
6 MAINTENANCE OF TRAFFIC – WORK ON SHOULDER
N.T.S.





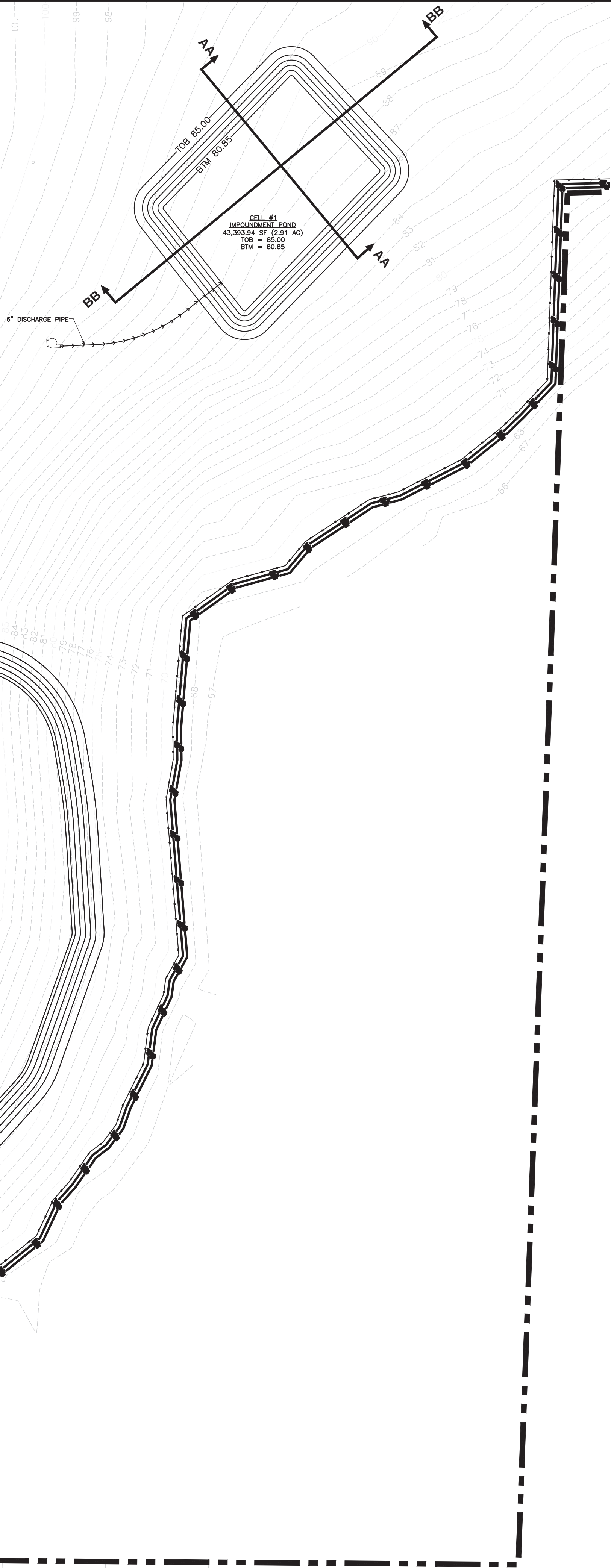
SECTION AA-AA

N.T.S.



SECTION BB-BB

N.T.S.



CALCULATIONS:

PUMP INFLOW:

PUMP CAPACITY = 500 GPM

THE ESTIMATED AVERAGE DAILY WATER USE IS CALCULATED AT:
1 PUMP @ 500 GPM x (60 MIN./1 HR.) x (12 HRS./1 DAY) = 360,00 GPD. (1.10 Ac-FT)

THE ESTIMATED MAXIMUM DAILY WATER USE IS CALCULATED AT:
1 PUMP @ 500 GPM x (60 MIN./1 HR.) x (24 HRS./1 DAY) = 720,00 GPD. (2.21 Ac-FT)

DIRECT RAINFALL (P):

ASSUME 10 YR./72 HR. DESIGN STORM

P = 8.00 INCHES

SURFACE AREA OF CELL #2 = 0.77 Ac

RAINFALL VOLUME (Rv) = 8 INCHES x 0.77 Ac x 0.54 Ac = 0.36 Ac-FT

TOTAL INFLOW TO IMPOUNDMENT AREA CELL #2:

TOTAL INFLOW = PUMP INFLOW + DIRECT RAINFALL

TOTAL INFLOW = 2.21 Ac-FT + 0.36 Ac-FT = 2.57 Ac-FT

CELL #1 STORAGE RELATIONSHIP:

STAGE(FT.)	AREA(AC.)	STORAGE(AC-FT)
80.85	0.54	0.00
81.85	0.61	0.58
82.85	0.69	1.23
83.85	0.77	1.96
84.85	0.85	2.77
85.85	1.00	2.91

STORMWATER OPERATIONAL PLAN

STORMWATER RUNOFF SHALL BE PREVENTED FROM ENTERING IMPOUNDMENT AREA & EXCAVATED POND AREAS DURING DEWATERING ACTIVITIES BY BERMING AROUND THESE AREAS WITH BERM. A MINIMUM OF 12" ABOVE EXISTING GRADE AND GRADING TO DRAIN AWAY FROM DEWATERING ACTIVITY AREAS. CEASE DEWATERING DURING HEAVY RAINFALL EVENTS.

TURBIDITY MONITORING PLAN

MONITORING REQUIREMENTS
DESCRIPTION: TURBIDITY EXPRESSED IN NEPHELOMETRIC TURBIDITY UNITS (NTU).

LOCATION: BACKGROUND - SAMPLES SHALL BE TAKEN 200 FEET UPSTREAM OF ANY CONSTRUCTION ACTIVITY WITHIN SURFACE WATER OF THE STATE COMPLIANCE - SAMPLES SHALL BE TAKEN 200 FEET DOWNSTREAM.

FREQUENCY: TWICE DAILY, WITH AT LEAST A FOUR-HOUR INTERVAL, DURING ALL WORK AUTHORIZED BY THIS PERMIT.

DURATION: MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES THAT ARE CLASSIFIED AS SURFACE WATERS OF THE STATE. MONITORING SHALL CEASE WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES ARE COMPLETED. THE MONITORING DATA MUST DEMONSTRATE THAT TURBIDITY 200 FEET DOWNSTREAM OF ALL PROPOSED ACTIVITIES IS LESS THAN OR EQUAL TO 29 NTU'S ABOVE NATURAL BACKGROUND TURBIDITY 200 FEET UPSTREAM OF EACH PROPOSED ACTIVITY FOR A PERIOD OF 7 CONSECUTIVE DAYS AFTER COMPLETION OF CONSTRUCTION.

ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION: (1) PERMIT AND APPLICATION NUMBER; (2) DATES OF SAMPLING AND ANALYSIS; (3) A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING STORAGE AND ANALYSIS OF THE SAMPLES; (4) A MAP INDICATING THE SAMPLING LOCATION AND (5) A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF THE DATA. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN.

- (A) TIME OF DAY SAMPLE TAKEN
- (B) DEPTH OF WATER BODY
- (C) DEPTH OF SAMPLE
- (D) ANTECEDENT WEATHER CONDITIONS
- (E) WIND DIRECTION AND VELOCITY

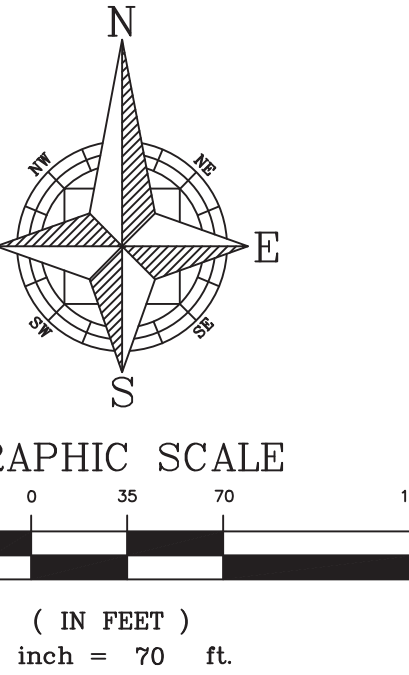
IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY (WITHIN A 24 HOUR PERIOD) REPORTED TO THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AT 2501 S BINON ROAD, APOPKA, FL 32703.

NOTE:

- 1.) THE DEPTH OF CELL #1 IS 5-FT. EXCAVATED TO THE 80.85' CONTOUR DEWATER TO 79.85' ELEVATION. DEPTH WILL BE DETERMINED BY FILL DIRT FOR THE PROJECT ALL FILL DIRT SHALL BE KEPT ON-SITE, EITHER STOCK PILED OR MASS GRADED AS DIRECTED BY THE OWNER.
- 2.) CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING MAINTENANCE TO THE PAM LOGS TO ENSURE THEY ARE FREE OF SILT AND DEBRIS.

DEWATERING NOTES:

- 1.) ALL DEWATERING WILL BE HELD ONSITE. CELL #2 OF THE PROPOSED STORMWATER MANAGEMENT POND WILL BE UTILIZED AS THE IMPOUNDMENT AREA. IT WILL CONSIST OF A 8 FT. WIDE BERM WITH A 5 FT. HEIGHT. ONLY SUITABLE FILL MATERIALS WILL BE USED FOR EMBANKMENT AND SHALL BE DONE IN LAYERS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED TO 95% MAX DENSITY PER ASTM D-1557 AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. THE IMPOUNDMENT WILL BE CONSTRUCTED PRIOR TO DEWATERING ACTIVITIES (REFER TO SECTION AA-AA & BB-BB).
- 2.) ALL SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- 3.) CONSTRUCTION PHASING OF CELLS:
 - (A) CONSTRUCTION IMPOUNDMENT AREA (CELL #2) AND RECHARGE TRENCH PER SECTION AA-AA & BB-BB.
 - (B) DISCHARGE WILL MEET STATE WATER QUALITY STANDARDS. CONTRACTOR SHALL USE ADDITIONAL MEASURES NECESSARY TO ENSURE WATER QUALITY STANDARDS ARE MET, SPECIFICALLY TURBIDITY.
 - (C) SPRAY ALUM AS NEEDED TO MEET WATER QUALITY STANDARDS.
 - (D) DEWATERING WILL BE DONE IN ONE PHASE AND WILL CEASE DURING HEAVY RAINFALL EVENTS.
- 4.) CELL #1 DEWATERING WILL DISCHARGE TO THE PROPOSED POND. UPON COMPLETION OF POND AREA.



CIVIL ENGINEERING | LAND PLANNING

APIAN ENGINEERING LLC.

APIANFL.COM • 407.960.5688

2211 Lee Road, Suite 201, Winter Park, Florida 32789

DEWATERING PLAN

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

DRAWN:
B. KILLELA

DESIGNED:
O. SANCHEZ

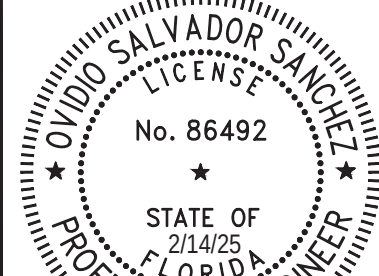
CHECKED:
O. SANCHEZ

DATE:
2/14/25

SCALE
1" = 70'

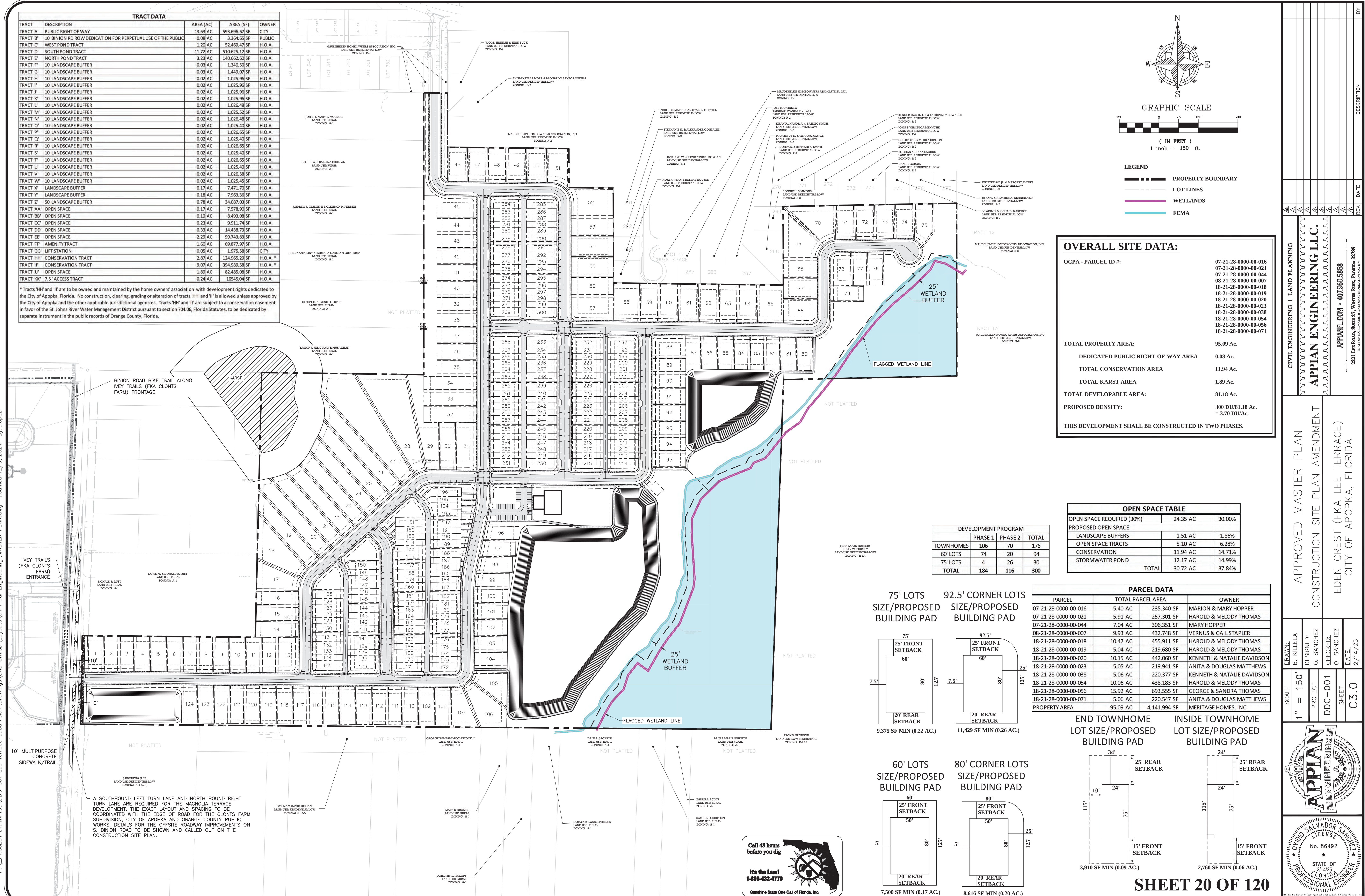
PROJECT
DDC-001

SHEET
C2.9



TRACT DATA			
TRACT	DESCRIPTION	AREA (AC)	AREA (SF)
TRACT 'A'	PUBLIC RIGHT OF WAY	13.63 AC	593,696.67 SF
TRACT 'B'	10' BINION RD ROW DEDICATION FOR PERPETUAL USE OF THE PUBLIC	0.08 AC	3,364.65 SF
TRACT 'C'	WEST POND TRACT	1.20 AC	52,469.47 SF
TRACT 'D'	SOUTH POND TRACT	11.72 AC	510,625.12 SF
TRACT 'E'	NORTH POND TRACT	3.23 AC	140,662.60 SF
TRACT 'F'	10' LANDSCAPE BUFFER	0.03 AC	1,340.50 SF
TRACT 'G'	10' LANDSCAPE BUFFER	0.03 AC	1,449.07 SF
TRACT 'H'	10' LANDSCAPE BUFFER	0.03 AC	1,025.96 SF
TRACT 'I'	10' LANDSCAPE BUFFER	0.02 AC	1,025.96 SF
TRACT 'J'	10' LANDSCAPE BUFFER	0.02 AC	1,025.96 SF
TRACT 'K'	10' LANDSCAPE BUFFER	0.02 AC	1,025.96 SF
TRACT 'L'	10' LANDSCAPE BUFFER	0.02 AC	1,026.48 SF
TRACT 'M'	10' LANDSCAPE BUFFER	0.02 AC	1,025.52 SF
TRACT 'N'	10' LANDSCAPE BUFFER	0.02 AC	1,026.48 SF
TRACT 'O'	10' LANDSCAPE BUFFER	0.02 AC	1,025.40 SF
TRACT 'P'	10' LANDSCAPE BUFFER	0.02 AC	1,026.65 SF
TRACT 'Q'	10' LANDSCAPE BUFFER	0.02 AC	1,025.40 SF
TRACT 'R'	10' LANDSCAPE BUFFER	0.02 AC	1,026.65 SF
TRACT 'S'	10' LANDSCAPE BUFFER	0.02 AC	1,025.40 SF
TRACT 'T'	10' LANDSCAPE BUFFER	0.02 AC	1,026.65 SF
TRACT 'U'	10' LANDSCAPE BUFFER	0.02 AC	1,025.40 SF
TRACT 'V'	10' LANDSCAPE BUFFER	0.02 AC	1,026.58 SF
TRACT 'W'	10' LANDSCAPE BUFFER	0.02 AC	1,025.45 SF
TRACT 'X'	LANDSCAPE BUFFER	0.17 AC	7,471.70 SF
TRACT 'Y'	LANDSCAPE BUFFER	0.18 AC	7,963.36 SF
TRACT 'Z'	50' LANDSCAPE BUFFER	0.78 AC	34,087.03 SF
TRACT 'AA'	OPEN SPACE	0.17 AC	7,578.90 SF
TRACT 'BB'	OPEN SPACE	0.19 AC	8,493.08 SF
TRACT 'CC'	OPEN SPACE	0.23 AC	9,911.74 SF
TRACT 'DD'	OPEN SPACE	0.33 AC	14,438.73 SF
TRACT 'EE'	OPEN SPACE	2.29 AC	99,743.83 SF
TRACT 'FF'	AMENITY TRACT	1.60 AC	69,877.97 SF
TRACT 'GG'	LIFT STATION	0.05 AC	1,975.58 SF
TRACT 'HH'	CONSERVATION TRACT	2.87 AC	124,965.29 SF
TRACT 'II'	CONSERVATION TRACT	9.07 AC	394,989.58 SF
TRACT 'JJ'	OPEN SPACE	1.89 AC	82,485.08 SF
TRACT 'KK'	7.5' ACCESS TRACT	0.24 AC	10,545.04 SF

* Tracts 'HH' and 'II' are to be owned and maintained by the home owners' association with development rights dedicated to the City of Apopka, Florida. No construction, clearing, grading or alteration of tracts 'HH' and 'II' is allowed unless approved by the City of Apopka and the other applicable jurisdictional agencies. Tracts 'HH' and 'II' are subject to a conservation easement in favor of the St. Johns River Water Management District pursuant to section 704.06, Florida Statutes, to be dedicated by separate instrument in the public records of Orange County, Florida.

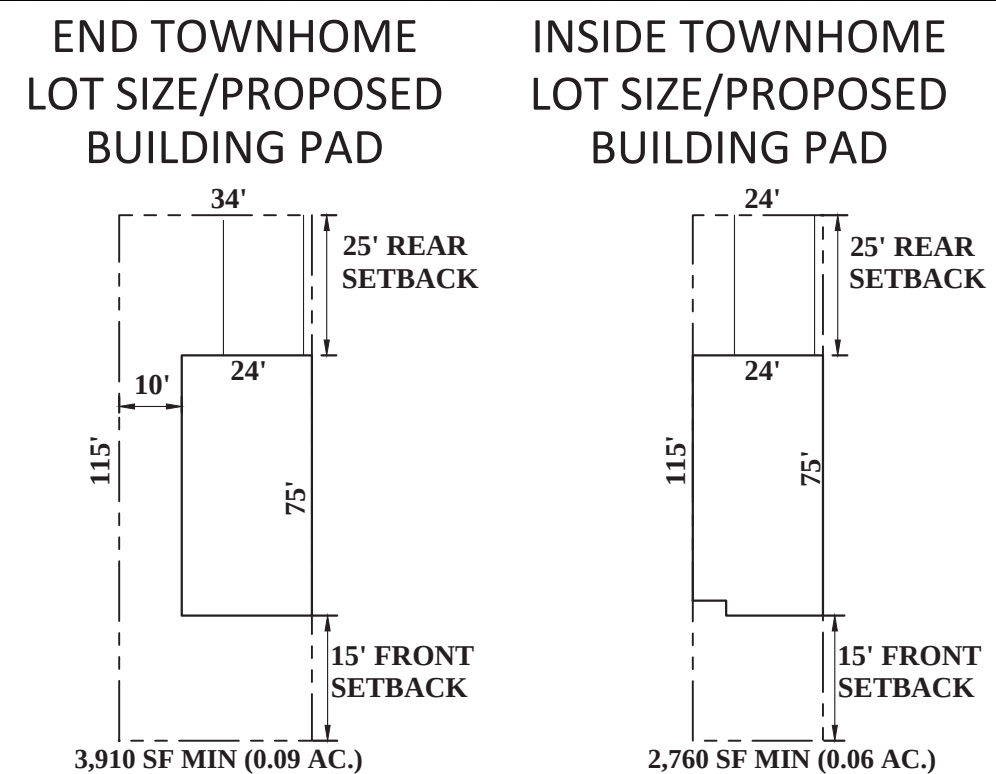
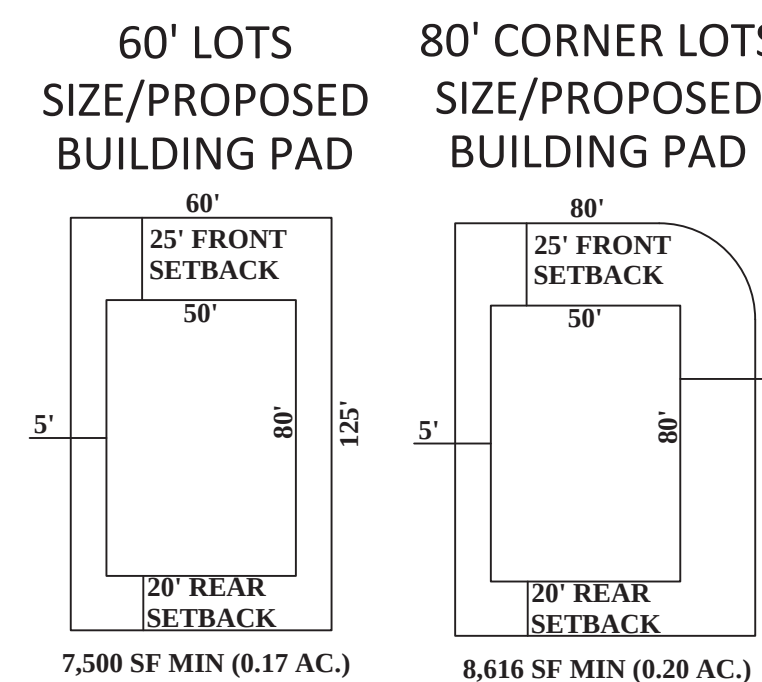
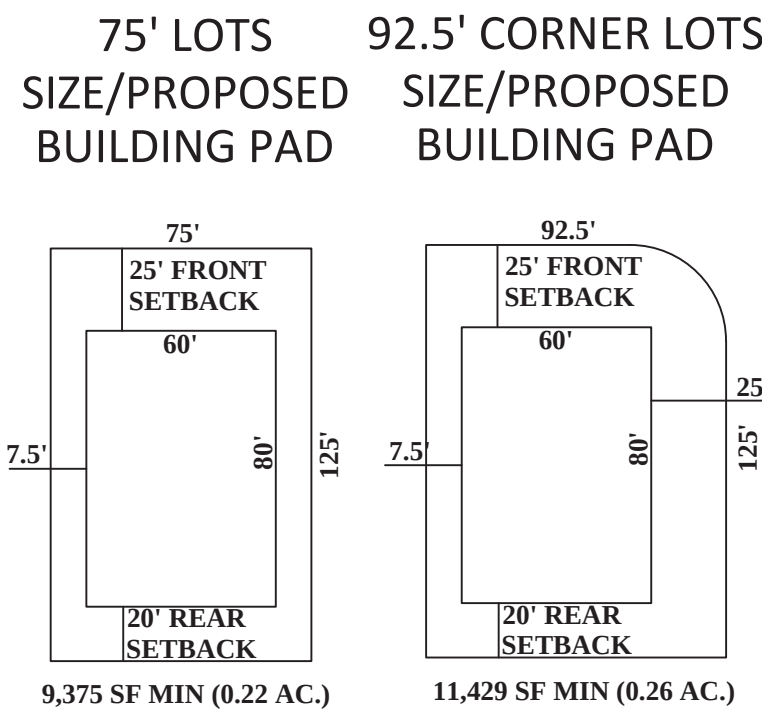


OVERALL SITE DATA:	
OCPA - PARCEL ID #:	07-21-28-0000-00-016 07-21-28-0000-00-021 07-21-28-0000-00-044 08-21-28-0000-00-007 18-21-28-0000-00-018 18-21-28-0000-00-019 18-21-28-0000-00-020 18-21-28-0000-00-023 18-21-28-0000-00-038 18-21-28-0000-00-054 18-21-28-0000-00-056 18-21-28-0000-00-071
TOTAL PROPERTY AREA:	95.09 Ac.
DEDICATED PUBLIC RIGHT-OF-WAY AREA	0.08 Ac.
TOTAL CONSERVATION AREA	11.94 Ac.
TOTAL KARST AREA	1.89 Ac.
TOTAL DEVELOPABLE AREA:	81.18 Ac.
PROPOSED DENSITY:	300 DU/81.18 Ac. = 3.70 DU/Ac.
THIS DEVELOPMENT SHALL BE CONSTRUCTED IN TWO PHASES.	

DEVELOPMENT PROGRAM			
	PHASE 1	PHASE 2	TOTAL
TOWNHOMES	106	70	176
60' LOTS	74	20	94
75' LOTS	4	26	30
TOTAL	184	116	300

OPEN SPACE TABLE		
OPEN SPACE REQUIRED (30%)	24.35 AC	30.00%
PROPOSED OPEN SPACE		
LANDSCAPE BUFFERS	1.51 AC	1.86%
OPEN SPACE TRACTS	5.10 AC	6.28%
CONSERVATION	11.94 AC	14.71%
STORMWATER POND	12.17 AC	14.99%
TOTAL	30.72 AC	37.84%

PARCEL DATA			
PARCEL	TOTAL PARCEL AREA	OWNER	
07-21-28-0000-00-016	5.40 AC	235,340 SF	MARION & MARY HOPPER
07-21-28-0000-00-021	5.91 AC	257,301 SF	HAROLD & MELODY THOMAS
07-21-28-0000-00-044	7.04 AC	306,351 SF	MARY HOPPER
08-21-28-0000-00-007	9.93 AC	432,748 SF	VERNUS & GAIL STAPLER
18-21-28-0000-00-018	10.47 AC	455,911 SF	HAROLD & MELODY THOMAS
18-21-28-0000-00-019	5.04 AC	219,680 SF	HAROLD & MELODY THOMAS
18-21-28-0000-00-020	10.15 AC	442,060 SF	KENNETH & NATALIE DAVIDSON
18-21-28-0000-00-023	5.05 AC	219,941 SF	ANITA & DOUGLAS MATTHEWS
18-21-28-0000-00-038	5.06 AC	220,377 SF	KENNETH & NATALIE DAVIDSON
18-21-28-0000-00-054	10.06 AC	438,183 SF	HAROLD & MELODY THOMAS
18-21-28-0000-00-056	15.92 AC	693,555 SF	GEORGE & SANDRA THOMAS
18-21-28-0000-00-071	5.06 AC	220,547 SF	ANITA & DOUGLAS MATTHEWS
PROPERTY AREA	95.09 AC	4,141,994 SF	MERITAGE HOMES, INC.



CIVIL ENGINEERING I LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANENGINEERING.COM • 407.960.5868

2221 Lee Road, Suite 217, Winter Park, Florida 32789

APPROVED MASTER PLAN

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA

DESIGNED: O. SANCHEZ

CHECKED: O. SANCHEZ

DATE: 2/14/25

SCALE: 1" = 150'

PROJECT: DDC-001

SHEET: C3.0

APPIAN ENGINEERING

DAVID SALVADOR SANCHEZ

21405

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 86492

BY

DATE

REV

DESCRIPTION

Line Table		
Line #	Length	Direction
L1	1.28	S0° 32' 30"W
L2	34.00	S0° 32' 30"W
L3	24.00	S0° 32' 30"W
L4	24.00	S0° 32' 30"W
L5	24.00	S0° 32' 30"W
L6	24.00	S0° 32' 30"W
L7	34.00	S0° 32' 30"W
L8	34.00	S0° 32' 30"W
L9	24.00	S0° 32' 30"W
L10	24.00	S0° 32' 30"W
L11	24.00	S0° 32' 30"W
L12	24.00	S0° 32' 30"W
L13	115.00	N89° 27' 30"W
L14	115.00	N89° 27' 30"W
L15	115.00	S89° 27' 30"E
L16	115.00	N89° 27' 30"W
L17	115.00	S89° 27' 30"E
L18	115.00	N89° 27' 30"W
L19	115.00	S89° 27' 30"E
L20	115.00	N89° 27' 30"W

Line Table		
Line #	Length	Direction
L21	115.00	S89° 27' 30"E
L22	115.00	N89° 27' 30"W
L23	115.00	N89° 27' 30"W
L24	111.46	S89° 27' 30"E
L25	80.00	S89° 27' 30"E
L26	34.00	N0° 32' 30"E
L27	24.00	N0° 32' 30"E
L28	24.00	N0° 32' 30"E
L29	24.00	N0° 32' 30"E
L30	24.00	N0° 32' 30"E
L31	34.00	N0° 32' 30"E
L32	34.00	N0° 32' 30"E
L33	24.00	N0° 32' 30"E
L34	24.00	N0° 32' 30"E
L35	24.00	N0° 32' 30"E
L36	29.00	N0° 32' 30"E
L37	29.00	S0° 32' 30"W
L38	24.00	S0° 32' 30"W
L39	24.00	S0° 32' 30"W
L40	24.00	S0° 32' 30"W

Line Table		
Line #	Length	Direction
L41	24.00	S0° 32' 30"W
L42	34.00	S0° 32' 30"W
L43	34.00	S0° 32' 30"W
L44	24.00	S0° 32' 30"W
L45	24.00	S0° 32' 30"W
L46	34.00	S0° 32' 30"W
L47	34.00	S0° 32' 30"W
L50	18.91	S57° 03' 08"W
L51	115.00	N89° 27' 30"W
L52	7.64	N68° 17' 52"E
L53	115.00	S89° 27' 30"E
L54	1.15	S81° 39' 19"W
L55	115.00	N89° 27' 30"W
L56	115.00	S89° 27' 30"E
L57	115.00	N89° 27' 30"W
L58	115.00	S89° 27' 30"E
L59	115.00	N89° 27' 30"W
L60	115.00	S89° 27' 30"E
L61	115.00	N89° 27' 30"W
L62	115.00	S89° 27' 30"E

Line Table		
Line #	Length	Direction
L63	115.00	N89° 27' 30"W
L64	115.00	S89° 27' 30"E
L65	115.00	N89° 27' 30"W
L66	115.00	S89° 27' 30"E
L67	115.00	N89° 27' 30"W
L68	111.46	S89° 27' 30"E
L69	80.00	S89° 27' 30"E
L70	24.00	N0° 32' 30"E
L71	24.00	N0° 32' 30"E
L72	24.00	N0° 32' 30"E
L73	24.00	N0° 32' 30"E
L74	24.00	N0° 32' 30"E
L75	34.00	N0° 32' 30"E
L76	34.00	N0° 32' 30"E
L77	24.00	N0° 32' 30"E
L78	24.00	N0° 32' 30"E
L79	34.00	N0° 32' 30"E
L80	34.00	N0° 32' 30"E
L81	24.00	N0° 32' 30"E
L82	24.00	N0° 32' 30"E

Line Table		
Line #	Length	Direction
L83	24.00	N0° 32' 30"E
L84	24.00	N0° 32' 30"E
L87	34.00	S0° 32' 30"W
L88	24.00	S0° 32' 30"W
L89	24.00	S0° 32' 30"W
L90	24.00	S0° 32' 30"W
L91	24.00	S0° 32' 30"W
L92	7.57	S0° 32' 30"W
L93	26.43	S0° 32' 30"W
L94	24.00	S0° 32' 30"W
L95	24.00	S0° 32' 30"W
L96	24.00	S0° 32' 30"W
L97	34.00	S0° 32' 30"W
L98	34.00	S0° 32' 30"W
L99	24.00	S0° 32' 30"W
L100	24.00	S0° 32' 30"W
L101	24.00	S0° 32' 30"W
L102	24.00	S0° 32' 30"W
L103	34.00	S0° 32' 30"W
L104	34.00	S0° 32' 30"W

Line Table		
Line #	Length	Direction
L105	24.00	S0° 32' 30"W
L106	24.00	S0° 32' 30"W
L107	24.00	S0° 32' 30"W
L108	24.00	S0° 32' 30"W
L109	80.00	S89° 27' 30"E
L110	111.46	S89° 27' 30"E
L111	115.00	N89° 27' 30"W
L112	115.00	S89° 27' 30"E
L113	115.00	N89° 27' 30"W
L114	115.00	S89° 27' 30"E
L115	115.00	N89° 27' 30"W
L116	115.00	S89° 27' 30"E
L117	115.00	N89° 27' 30"W
L118	115.00	S89° 27' 30"E
L119	115.00	N89° 27' 30"W
L120	115.00	S89° 27' 30"E
L121	115.00	N89° 27' 30"W
L122	115.00	S89° 27' 30"E
L123	115.00	N89° 27' 30"W
L124	115.00	S89° 27' 30"E

Line Table		
Line #	Length	Direction
L125	115.00	N89° 27' 30"W
L126	115.00	S89° 27' 30"E
L127	115.00	N89° 27' 30"W
L128	115.00	S89° 27' 30"E
L129	115.00	N89° 27' 30"W
L130	115.00	S89° 27' 30"E
L131	114.97	N89° 27' 30"W
L132	32.04	N0° 32' 30"E
L133	24.00	N0° 32' 30"E
L134	24.00	N0° 32' 30"E
L135	24.00	N0° 32' 30"E
L136	24.00	N0° 32' 30"E
L137	34.00	N0° 32' 30"E
L138	34.00	N0° 32' 30"E
L139	24.00	N0° 32' 30"E
L140	24.00	N0° 32' 30"E
L141	34.00	N0° 32' 30"E
L142	34.00	N0° 32' 30"E
L143	24.00	N0° 32' 30"E
L144	24.00	N0° 32' 30"E

Line Table		
Line #	Length	Direction
L145	24.00	N0° 32' 30"E
L146	24.00	N0° 32' 30"E
L147	34.00	N0° 32' 30"E
L148	34.00	N0° 32' 30"E
L149	24.00	N0° 32' 30"E
L150	24.00	N0° 32' 30"E
L151	24.00	N0° 32' 30"E
L152	29.00	N0° 32' 30"E
L153	29.00	S0° 32' 30"W
L154	24.00	S0° 32' 30"W
L155	24.00	S0° 32' 30"W
L156	24.00	S0° 32' 30"W
L157	34.00	S0° 32' 30"W
L158	34.00	S0° 32' 30"W
L159	24.00	S0° 32' 30"W
L160	24.00	S0° 32' 30"W
L161	24.00	S0° 32' 30"W
L162	24.00	S0° 32' 30"W
L163	34.00	S0° 32' 30"W
L164	34.00	S0° 32' 30"W

Line Table		
Line #	Length	Direction
L165	24.00	S0° 32' 30"W
L166	24.00	S0° 32' 30"W
L167	24.00	S0° 32' 30"W
L168	24.00	S0° 32' 30"W
L169	34.00	S0° 32' 30"W
L170	34.00	S0° 32' 30"W
L171	24.00	S0° 32' 30"W
L172	24.00	S0° 32' 30"W
L173	32.04	S0° 32' 30"W
L174	32.17	N57° 34' 32"E
L175	4.01	S41° 22' 41"E
L176	20.29	S41° 22' 41"E
L177	54.49	S48° 37' 19"W
L178	115.00	N89° 27' 30"W
L179	115.00	S89° 27' 30"E
L180	17.34	S58° 17' 07"W
L181	115.00	N89° 27' 30"W
L183	115.00	S89° 27' 30"E
L184	115.02	N89° 27' 30"W
L185	115.00	S89° 27' 30"E

Line Table		
Line #	Length	Direction
L186	115.00	N89° 27' 30"W
L187	115.00	S89° 27' 30"E
L188	115.00	N89° 27' 30"W
L189	115.00	S89° 27' 30"E
L190	115.00	N89° 27' 30"W
L191	115.00	S89° 27' 30"E
L192	115.00	N89° 27' 30"W
L193	115.00	S89° 27' 30"E
L194	115.00	N89° 27' 30"W
L195	115.00	S89° 27' 30"E
L196	115.00	N89° 27' 30"W
L197	115.00	S89° 27' 30"E
L198	115.00	N89° 27' 30"W
L199	115.00	S89° 27' 30"E
L200	115.00	N89° 27' 30"W
L201	115.00	S89° 27' 30"E
L202	115.00	N89° 27' 30"W
L203	115.00	S89° 27' 30"E
L204	115.00	N89° 27' 30"W
L205	111.46	S89° 27' 30"E

Line Table		
Line #	Length	Direction
L206	80.00	S89° 27' 30"E
L207	24.00	N0° 32' 30"E
L208	24.00	N0° 32' 30"E
L209	24.00	N0° 32' 30"E
L210	24.00	N0° 32' 30"E
L211	34.00	N0° 32' 30"E
L212	34.00	N0° 32' 30"E
L213	24.00	N0° 32' 30"E
L214	24.00	N0° 32' 30"E
L215	24.00	N0° 32' 30"E
L216	24.00	N0° 32' 30"E
L217	34.00	N0° 32' 30"E
L218	5.74	N0° 32' 30"E
L219	28.26	N0° 32' 30"E
L220	24.00	N0° 32' 30"E
L221	24.00	N0° 32' 30"E
L222	24.00	N0° 32' 30"E
L223	24.00	N0° 32' 30"E
L224	34.00	N0° 32' 30"E
L225	34.00	N0° 32' 30"E

Line Table		
Line #	Length	Direction
L226	24.00	N0° 32' 30"E
L227	34.00	N0° 32' 30"E
L228	24.00	N0° 32' 30"E
L229	34.00	N0° 32' 30"E
L230	24.00	N0° 32' 30"E
L231	24.00	N0° 32' 30"E
L232	34.00	N0° 32' 30"E
L233	24.19	S0° 00' 39"E
L234	24.00	S0° 00' 39"E
L235	24.00	S0° 00' 39"E
L236	24.00	S0° 00' 39"E
L237	24.00	S0° 00' 39"E
L238	34.00	S0° 00' 39"E
L239	34.00	S0° 00' 39"E
L240	24.00	S0° 00' 39"E
L241	24.00	S0° 00' 39"E
L242	24.00	S0° 00' 39"E
L243	24.00	S0° 00' 39"E
L244	34.00	S0° 00' 39"E
L245	34.00	S0° 00' 39"E

Line Table		
Line #	Length	Direction
L246	24.00	S0° 00' 39"E
L247	24.00	S0° 00' 39"E
L248	24.00	S0° 00' 39"E
L249	24.00	S0° 00' 39"E
L250	30.57	S0° 00' 39"E
L251	79.94	N89° 17' 38"W
L252	111.41	N89° 17' 38"W
L253	115.00	S89° 59' 21"W
L254	115.00	N89° 59' 21"E
L255	115.00	S89° 59' 21"W
L256	115.00	N89° 59' 21"E
L257	115.00	S89° 59' 21"W
L258	115.00	N89° 59' 21"E
L259	115.00	S89° 59' 21"W
L260	115.00	N89° 59' 21"E
L261	115.00	S89° 59' 21"W
L262	115.00	N89° 59' 21"E
L263	115.00	S89° 59' 21"W
L264	115.00	N89° 59' 21"E
L265	115.00	S89° 59' 21"W

Line Table		
Line #	Length	Direction
L266	115.00	N89° 59' 21"E
L267	115.00	S89° 59' 21"W
L268	115.00	N89° 59' 21"E
L269	115.00	S89° 59' 21"W
L270	111.51	S89° 27' 30"E
L271	80.05	S89° 27' 30"E
L272	29.96	N0° 00' 39"W
L273	24.00	N0° 00' 39"W
L274	24.00	N0° 00' 39"W
L275	24.00	N0° 00' 39"W
L276	24.00	N0° 00' 39"W
L277	34.00	N0° 00' 39"W
L278	34.00	N0° 00' 39"W
L279	24.00	N0° 00' 39"W
L280	24.00	N0° 00' 39"W
L281	24.00	N0° 00' 39"W
L282	24.00	N0° 00' 39"W
L283	34.00	N0° 00' 39"W
L284	34.00	N0° 00' 39"W
L285	24.00	N0° 00' 39"W

Line Table		
Line #	Length	Direction
L286	24.00	N0° 00' 39"W
L287	24.00	N0° 00' 39"W
L288	24.00	N0° 00' 39"W
L289	34.57	N0° 00' 39"W
L290	33.94	S0° 00' 39"E
L291	24.00	S0° 00' 39"E
L292	24.00	S0° 00' 39"E
L293	24.00	S0° 00' 39"E
L294	24.00	S0° 00' 39"E
L295	34.00	S0° 00' 39"E
L296	34.00	S0° 00' 39"E
L297	24.00	S0° 00' 39"E
L298	24.00	S0° 00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C1	31.13'	N65°34'39"E	25.00'
C2	56.83'	N83°27'52"E	385.00'
C4	19.11'	N89°07'09"E	385.00'
C5	3.67'	N79°34'56"E	300.00'
C6	55.04'	N85°11'46"E	300.00'
C7	28.28'	N45°32'30"E	20.00'
C8	45.70'	N12°00'04"E	115.00'
C9	44.97'	N34°44'08"E	115.00'
C10	5.24'	N47°18'58"E	115.00'
C11	13.91'	N52°05'18"E	115.00'
C12	43.20'	N66°22'47"E	115.00'
C13	26.71'	N83°52'23"E	115.00'
C14	28.42'	N45°15'55"E	20.00'
C15	10.14'	N14°41'22"W	20.00'
C16	20.00'	N59°22'06"W	20.00'
C17	105.47'	N44°41'22"W	75.00'
C18	33.65'	S42°18'08"E	25.00'
C19	2.08'	S86°58'52"E	25.00'
C20	62.32'	S64°49'15"E	75.00'
C21	51.63'	S20°08'32"E	75.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C63	10.17'	S14°44'05"E	20.00'
C64	20.00'	S59°27'30"E	20.00'
C65	20.00'	N60°32'30"E	20.00'
C66	10.54'	N15°15'55"E	20.00'
C67	20.00'	N60°42'22"E	20.00'
C68	10.59'	N15°20'52"E	20.00'
C69	10.14'	N14°41'22"W	20.00'
C70	20.00'	N59°22'06"W	20.00'
C71	20.00'	S60°37'54"W	20.00'
C72	10.57'	S15°18'38"W	20.00'
C73	10.11'	S14°39'08"E	20.00'
C74	20.00'	S59°17'38"E	20.00'
C75	20.00'	N60°32'30"E	20.00'
C76	10.35'	N15°32'30"E	20.00'
C77	102.98'	N6°08'35"E	527.50'
C78	83.97'	N6°02'48"E	397.50'
C79	28.15'	N44°44'05"W	20.00'
C80	42.93'	S69°34'54"W	60.00'
C81	28.28'	S3°37'19"W	20.00'
C82	82.27'	S20°25'06"E	115.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C127	8.45'	S25°00'36"E	15.00'
C128	13.97'	S37°09'47"E	95.00'
C129	18.62'	S27°19'30"E	95.00'
C130	22.10'	S15°01'25"E	95.00'
C131	14.72'	S3°54'06"E	95.00'
C132	5.07'	S9°11'38"E	15.00'
C133	5.07'	N10°16'38"E	15.00'
C134	5.07'	N10°16'38"E	15.00'
C135	1.96'	N0°12'19"W	75.00'
C136	16.00'	S36°32'47"E	95.00'
C137	19.08'	S25°57'06"E	95.00'
C138	32.26'	S10°24'48"E	95.00'
C139	1.96'	S0°02'53"E	95.00'
C140	5.07'	S9°11'38"E	15.00'
C141	4.89'	N9°23'16"W	15.00'
C142	5.26'	S10°05'00"W	15.00'
C143	4.93'	S9°28'13"E	15.00'
C144	5.22'	N10°00'04"E	15.00'
C145	5.22'	N10°00'04"E	15.00'
C146	4.89'	N9°23'16"W	15.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C22	28.11'	S44°39'08"E	20.00'
C23	35.61'	N45°17'05"E	25.00'
C24	2.07'	N0°39'08"E	75.00'
C25	54.93'	N22°55'25"E	75.00'
C26	52.54'	N64°54'33"E	75.00'
C27	4.63'	N87°10'49"E	75.00'
C28	28.92'	S73°44'17"E	50.00'
C29	43.50'	S31°08'47"E	50.00'
C30	99.13'	S77°03'22"W	50.00'
C31	28.87'	N55°47'17"W	25.00'
C33	35.07'	S44°24'21"W	25.00'
C34	102.31'	S42°52'01"W	75.00'
C35	6.33'	S88°17'18"W	75.00'
C36	28.46'	S45°20'52"W	20.00'
C37	5.24'	S1°59'23"W	75.00'
C38	102.83'	S47°15'57"W	75.00'
C39	28.42'	S45°15'55"W	20.00'
C40	72.63'	S4°35'32"W	452.50'
C41	20.13'	S10°28'12"W	452.50'
C42	22.05'	S10°24'27"W	472.50'

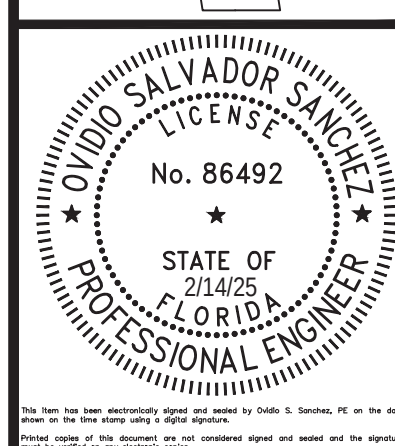
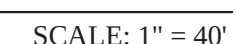
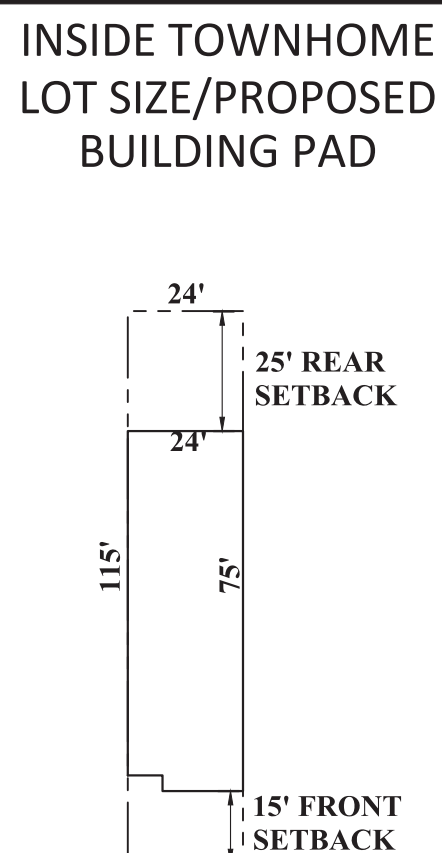
Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C83	10.35'	S14°27'30"E	20.00'
C84	20.00'	S59°27'30"E	20.00'
C85	0.00'	S89°27'31"E	13.54'
C86	20.00'	N60°32'29"E	20.00'
C87	10.35'	N15°32'30"E	20.00'
C88	39.35'	N20°25'06"W	55.00'
C89	28.28'	N86°22'41"W	20.00'
C90	48.89'	S24°34'54"W	60.00'
C91	10.35'	S14°27'30"E	20.00'
C92	20.00'	S59°27'30"E	20.00'
C93	12.43'	S48°26'54"E	78.00'
C94	12.17'	S25°06'02"W	15.00'
C95	82.65'	S83°29'52"W	337.00'
C97	48.22'	S67°07'16"W	62.00'
C98	18.36'	S44°30'23"E	62.00'
C99	48.12'	S66°42'31"E	62.00'
C103	13.68'	N86°48'09"E	100.00'
C104	141.42'	N45°32'30"E	100.00'
C105	17.32'	S55°16'38"W	15.00'
C106	17.32'	N54°11'38"W	15.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C147	5.26'	S10°05'00"W	15.00'
C148	4.93'	S9°28'13"E	15.00'
C149	5.24'	S10°02'46"W	15.00'
C150	4.89'	S9°23'16"E	15.00'
C151	5.26'	N10°05'00"E	15.00'
C152	4.91'	N9°25'31"W	15.00'
C153	67.76'	N27°00'38"W	217.00'
C154	24.56'	S60°27'46"W	62.00'
C155	37.28'	N58°03'41"E	78.00'
C157	5.00'	N8°26'00"W	15.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C43	60.22'	S5°25'01"W	472.50'
C44	10.08'	S1°09'00"W	472.50'
C45	10.21'	S4°43'31"W	70.00'
C46	34.55'	S23°11'51"W	70.00'
C47	36.23'	S52°29'09"W	70.00'
C48	27.98'	S79°00'50"W	70.00'
C49	2.21'	N89°50°16"E	373.57'
C50	86.47'	N83°01'20"E	373.57'
C51	10.17'	S14°44'05"E	20.00'
C52	20.00'	S59°27'30"E	20.00'
C53	20.00'	N60°32'30"E	20.00'
C54	10.54'	N15°15'55"E	20.00'
C55	10.11'	N14°39'08"W	20.00'
C56	20.00'	N59°17'38"W	20.00'
C57	20.00'	S60°42'22"W	20.00'
C58	10.59'	S15°20'52"W	20.00'
C59	10.11'	N14°39'08"W	20.00'
C60	20.00'	N59°17'38"W	20.00'
C61	20.00'	S60°42'22"W	20.00'
C62	10.59'	S15°20'52"W	20.00'

Curve Table			
Curve #	Chord Length	Chord Direction	Radius
C107	17.32'	S55°16'38"W	15.00'
C108	17.32'	N54°11'38"W	15.00'
C109	17.32'	S55°16'38"W	15.00'
C110	17.32'	N54°11'38"W	15.00'
C111	17.32'	S55°16'38"W	15.00'
C112	17.32'	N54°11'38"W	15.00'
C113	17.32'	N55°26'30"E	15.00'
C114	17.32'	S54°01'46"E	15.00'
C115	17.32'	N55°26'30"E	15.00'
C116	17.32'	S54°01'46"E	15.00'
C117	17.32'	S55°26'30"W	15.00'
C118	17.32'	N54°01'46"W	15.00'
C119	17.32'	N55°22'02"E	15.00'
C120	17.32'	S54°06'14"E	15.00'
C121	21.21'	S86°22'41"E	15.00'
C122	53.66'	S20°25'06"E	75.00'
C123	14.38'	N19°59'24"E	15.00'
C124	21.21'	S86°22'41"E	15.00'
C125	51.83'	S21°09'55"E	75.00'
C126	21.21'	N3°37'19"E	15.00'

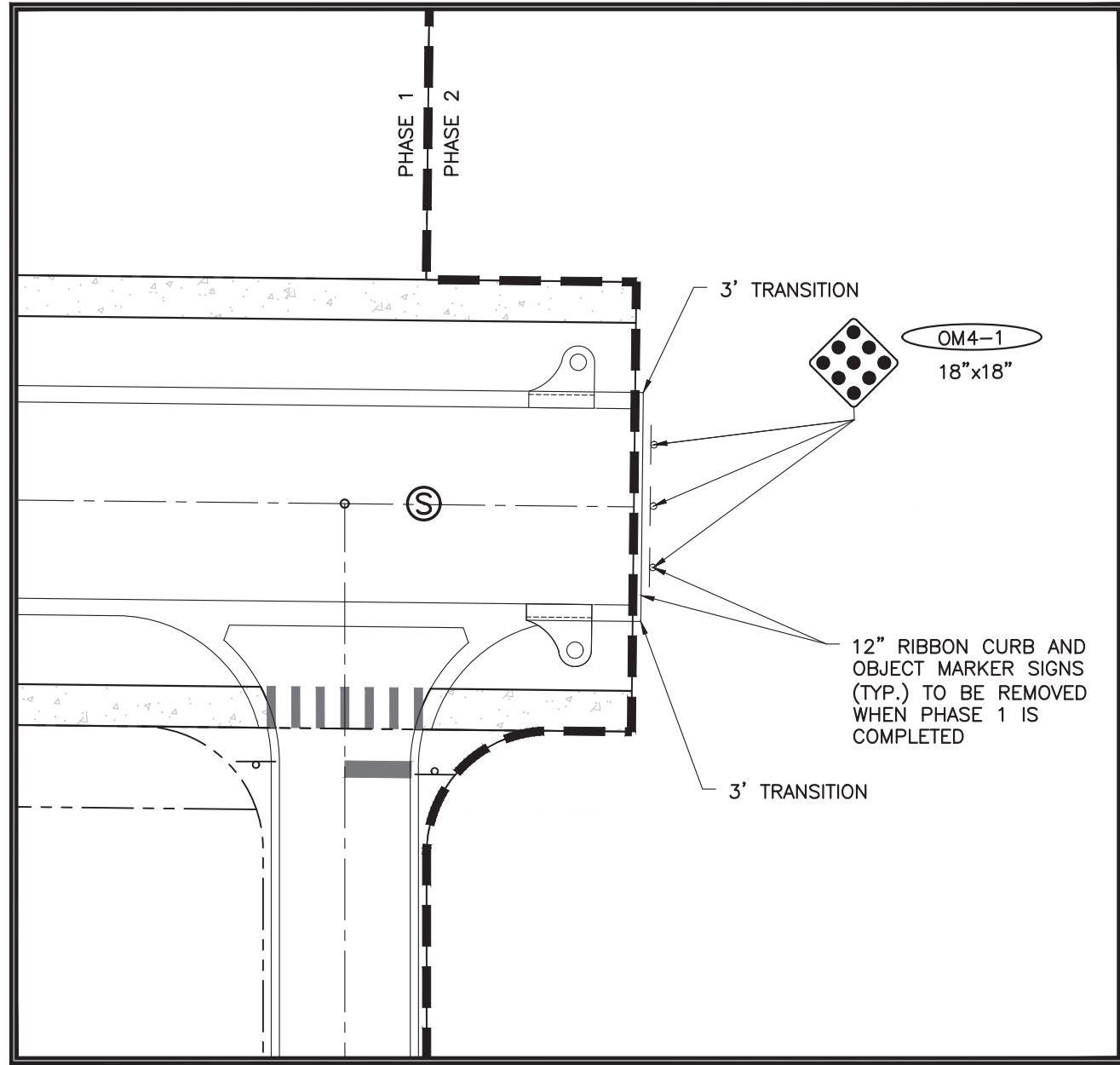
LOT DATA TABLE				
LOT	DESCRIPTION	BUILDABLE AREA	LOT FRONTAGE	OWNER
LOT 1	-	5,120 SF	60.00 LF	PRIVATE
LOT 2	-	5,040 SF	60.32 LF	PRIVATE
LOT 3	-	4,613 SF	60.55 LF	PRIVATE
LOT 4	-	4,453 SF	60.01 LF	PRIVATE
LOT 5	-	4,452 SF	60.00 LF	PRIVATE
LOT 6	-	4,452 SF	60.00 LF	PRIVATE
LOT 7	-	4,452 SF	60.00 LF	PRIVATE
LOT 8	-	4,452 SF	60.00 LF	PRIVATE
LOT 9	-	4,452 SF	60.00 LF	PRIVATE
LOT 10	-	4,452 SF	60.00 LF	PRIVATE
LOT 11	-	4,452 SF	91.42 LF	PRIVATE
LOT 12	-	4,452 SF	60.00 LF	PRIVATE
LOT 13	-	4,452 SF	60.00 LF	PRIVATE
LOT 14	-	5,876 SF	60.00 LF	PRIVATE
LOT 15	-	5,832 SF	47.24 LF	PRIVATE
LOT 16	-	5,788 SF	45.26 LF	PRIVATE
LOT 17	-	8,668 SF	60.00 LF	PRIVATE
LOT 18	-	14,671 SF	60.00 LF	PRIVATE
LOT 19	-	13,138 SF	60.00 LF	PRIVATE
LOT 20	-	15,692 SF	60.00 LF	PRIVATE
LOT 21	-	14,516 SF	60.00 LF	PRIVATE
LOT 22	-	13,701 SF	60.00 LF	PRIVATE
LOT 23	-	13,818 SF	60.00 LF	PRIVATE
LOT 24	-	14,742 SF	60.00 LF	PRIVATE
LOT 25	-	15,959 SF	59.12 LF	PRIVATE
LOT 26	-	37,390 SF	43.45 LF	PRIVATE
LOT 27	-	4,905 SF	54.95 LF	PRIVATE
LOT 28	-	4,238 SF	60.00 LF	PRIVATE
LOT 29	-	4,305 SF	92.52 LF	PRIVATE
LOT 30	-	8,997 SF	60.00 LF	PRIVATE
LOT 31	-	9,541 SF	60.00 LF	PRIVATE
LOT 32	-	10,086 SF	60.00 LF	PRIVATE
LOT 33	-	10,077 SF	60.00 LF	PRIVATE
LOT 34	-	5,250 SF	60.00 LF	PRIVATE
LOT 35	-	5,250 SF	60.00 LF	PRIVATE
LOT 36	-	5,250 SF	60.00 LF	PRIVATE
LOT 37	-	5,250 SF	60.00 LF	PRIVATE
LOT 38	-	5,250 SF	60.00 LF	PRIVATE
LOT 39	-	5,250 SF	60.00 LF	PRIVATE
LOT 40	-	5,250 SF	60.00 LF	PRIVATE
LOT 41	-	5,250 SF	60.00 LF	PRIVATE
LOT 42	-	5,250 SF	60.00 LF	PRIVATE
LOT 43	-	5,250 SF	60.00 LF	PRIVATE
LOT 44	-	5,342 SF	60.19 LF	PRIVATE
LOT 45	-	5,164 SF	75.00 LF	PRIVATE
LOT 46	-	5,100 SF	75.00 LF	PRIVATE
LOT 47	-	5,100 SF	75.00 LF	PRIVATE
LOT 48	-	5,100 SF	75.00 LF	PRIVATE
LOT 49	-	5,116 SF	104.53 LF	PRIVATE
LOT 50	-	4,229 SF	61.08 LF	PRIVATE
LOT 51	-	4,248 SF	61.17 LF	PRIVATE
LOT 52	-	4,248 SF	61.17 LF	PRIVATE
LOT 53	-	4,247 SF	61.07 LF	PRIVATE
LOT 54	-	4,136 SF	60.26 LF	PRIVATE
LOT 55	-	4,000 SF	60.00 LF	PRIVATE
LOT 56	-	4,000 SF	60.00 LF	PRIVATE
LOT 57	-	4,000 SF	60.00 LF	PRIVATE
LOT 58	-	4,000 SF	60.00 LF	PRIVATE
LOT 59	-	4,000 SF	60.00 LF	PRIVATE
LOT 60	-	6,774 SF	34.91 LF	PRIVATE
LOT 61	-	9,735 SF	36.65 LF	PRIVATE
LOT 62	-	6,940 SF	48.17 LF	PRIVATE
LOT 63	-	4,648 SF	60.00 LF	PRIVATE
LOT 64	-	4,653 SF	60.00 LF	PRIVATE
LOT 65	-	4,658 SF	60.00 LF	PRIVATE
LOT 66	-	4,662 SF	60.00 LF	PRIVATE
LOT 67	-	4,666 SF	60.00 LF	PRIVATE
LOT 68	-	4,900 SF	60.00 LF	PRIVATE
LOT 69	-	4,925 SF	60.00 LF	PRIVATE
LOT 70	-	4,929 SF	60.00 LF	PRIVATE
LOT 71	-	4,933 SF	60.00 LF	PRIVATE
LOT 72	-	4,937 SF	60.00 LF	PRIVATE
LOT 73	-	4,942 SF	60.00 LF	PRIVATE
LOT 74	-	4,946 SF	60.00 LF	PRIVATE
LOT 75	-	4,950 SF	60.00 LF	PRIVATE
LOT 76	-	4,954 SF	60.00 LF	PRIVATE
LOT 77	-	4,958 SF	60.00 LF	PRIVATE
LOT 78	-	1,800 SF	34.47 LF	PRIVATE
LOT 79	-	1,800 SF	24.00 LF	PRIVATE
LOT 80	-	1,800 SF	24.00 LF	PRIVATE
LOT 81	-	1,800 SF	24.00 LF	PRIVATE
LOT 82	-	1,800 SF	34.00 LF	PRIVATE
LOT 83	-	1,800 SF	34.00 LF	PRIVATE
LOT 84	-	1,800 SF	24.00 LF	PRIVATE
LOT 85	-	1,800 SF	24.00 LF	PRIVATE
LOT 86	-	1,800 SF	24.00 LF	PRIVATE
LOT 87	-	1,800 SF	24.00 LF	PRIVATE
LOT 88	-	1,800 SF	34.00 LF	PRIVATE
LOT 89	-	1,800 SF	34.00 LF	PRIVATE
LOT 90	-	1,800 SF	24.00 LF	PRIVATE
LOT 91	-	1,800 SF	24.00 LF	PRIVATE
LOT 92	-	1,800 SF	24.00 LF	PRIVATE
LOT 93	-	1,800 SF	24.00 LF	PRIVATE
LOT 94	-	1,800 SF	34.00 LF	PRIVATE
LOT 95	-	1,800 SF	24.00 LF	PRIVATE
LOT 96	-	1,800 SF	24.00 LF	PRIVATE
LOT 97	-	1,800 SF	24.00 LF	PRIVATE
LOT 98	-	1,800 SF	34.00 LF	PRIVATE
LOT 99	-	1,800 SF	34.00 LF	PRIVATE
LOT 100	-	1,800 SF	24.00 LF	PRIVATE



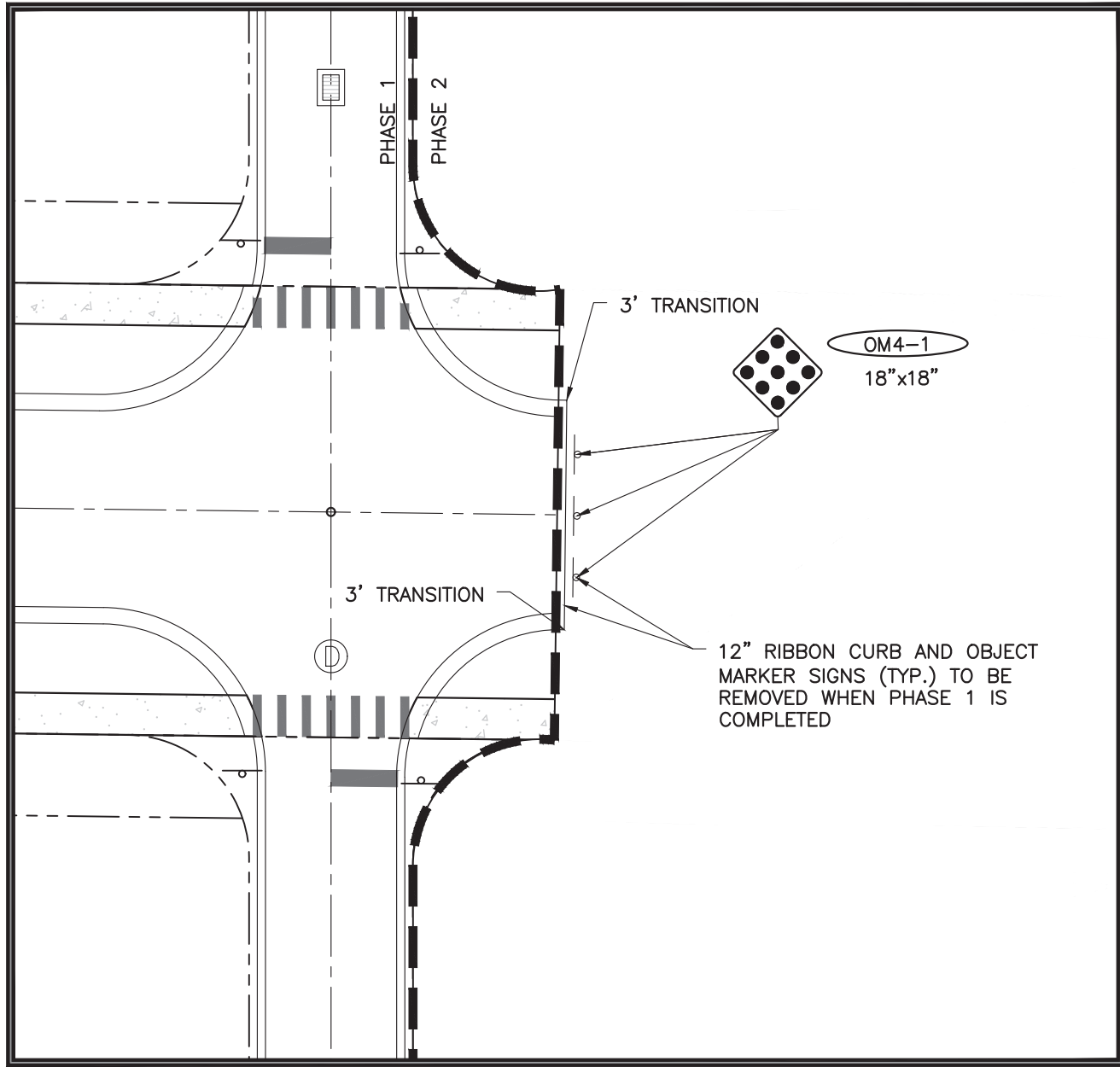


 01010 SALVADOR SANCHEZ LICENSE No. 86492 STATE OF FLORIDA 2014/25 PROFESSIONAL ENGINEER		SCALE	DRAWN:	CROSS SECTIONS CONSTRUCTION SITE PLAN AMENDMENT EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	CIVIL ENGINEERING LAND PLANNING APPLAN ENGINEERING LLC. APPLANFL.COM • 407.960.5868 2201 Lee Road, Suite 217, Wyomia Park, Pomona, 32789 STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, 32789	DATE	REV.	DESCRIPTION	BY		
		N.T.S.	B. KILLELA								
		PROJECT	DESIGNED:								
		DDC-001	O. SANCHEZ								
		SHEET	CHECKED:								
		C3.13	O. SANCHEZ								
			D.A.T.E.								
			2/14/25								

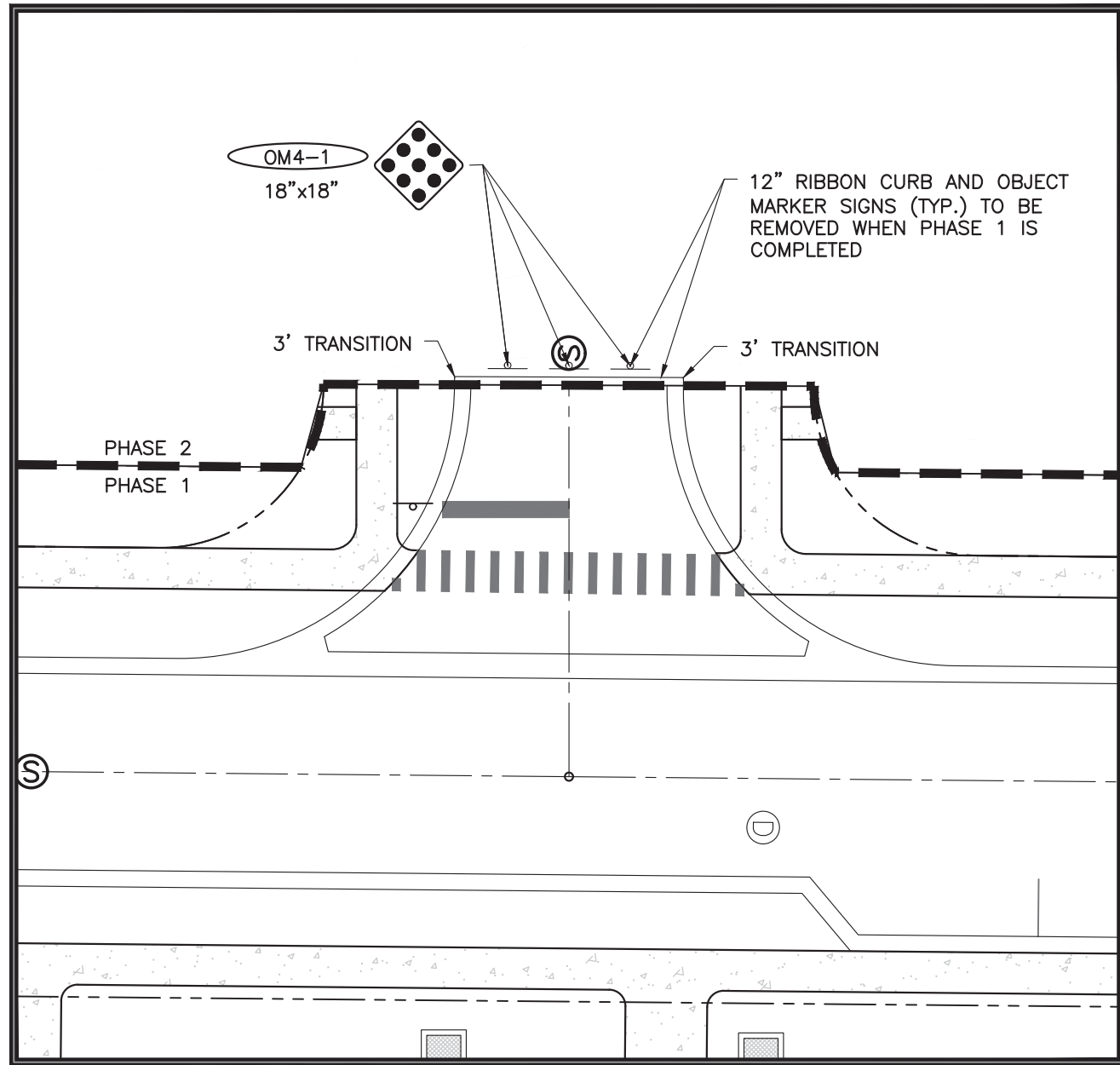
P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PHASING PLAN.dwg Modified: 12/10/2024 By: osanchez



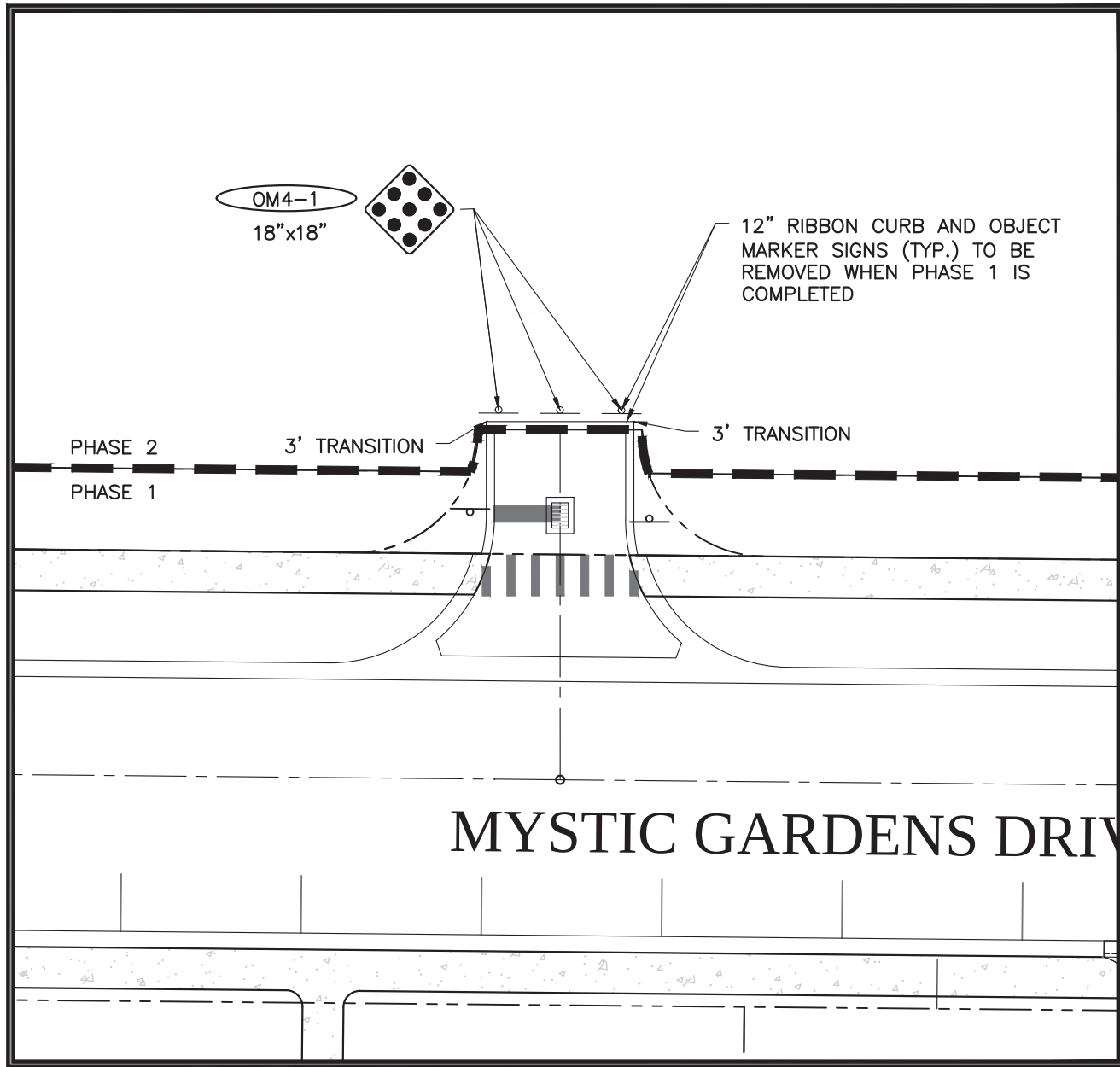
PHASING DETAIL AREA #1
SCALE: 1" = 20'



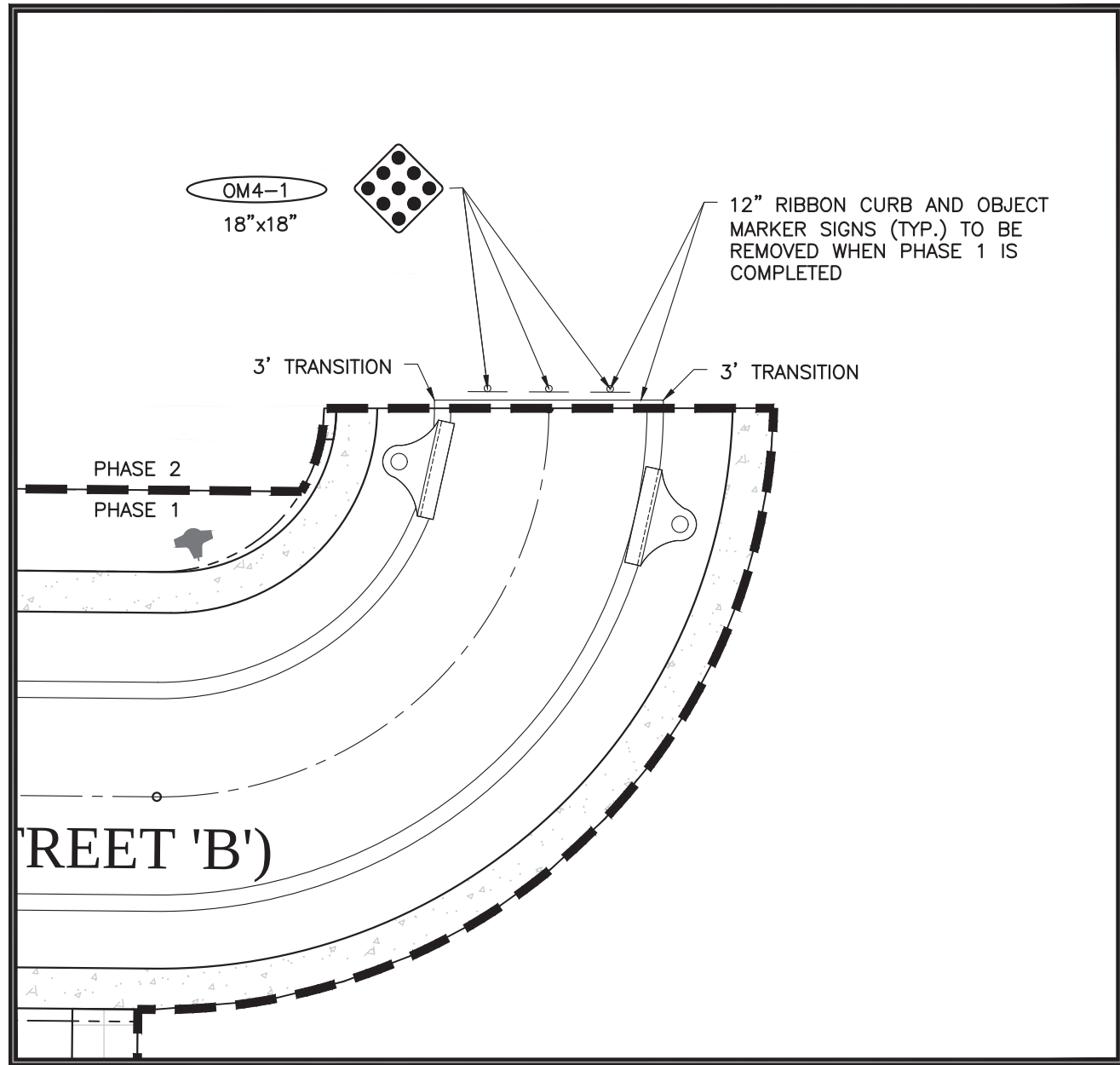
PHASING DETAIL AREA #2
SCALE: 1" = 20'



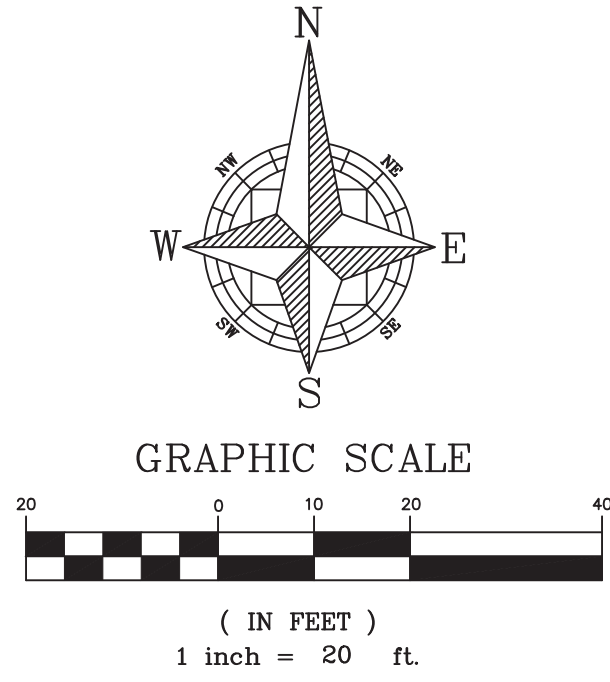
PHASING DETAIL AREA #3
SCALE: 1" = 20'



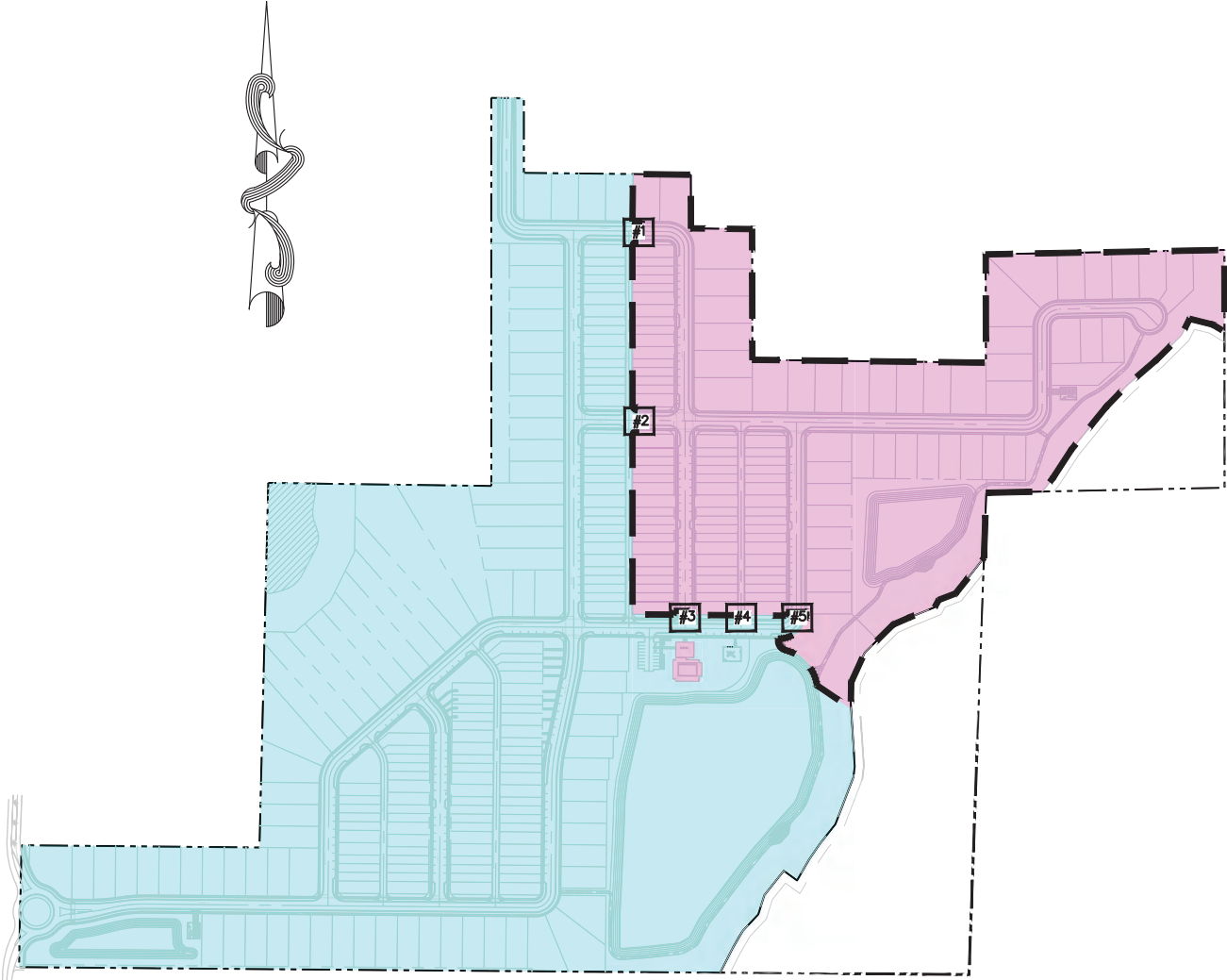
PHASING DETAIL AREA #4
SCALE: 1" = 20'



PHASING DETAIL AREA #5
SCALE: 1" = 20'

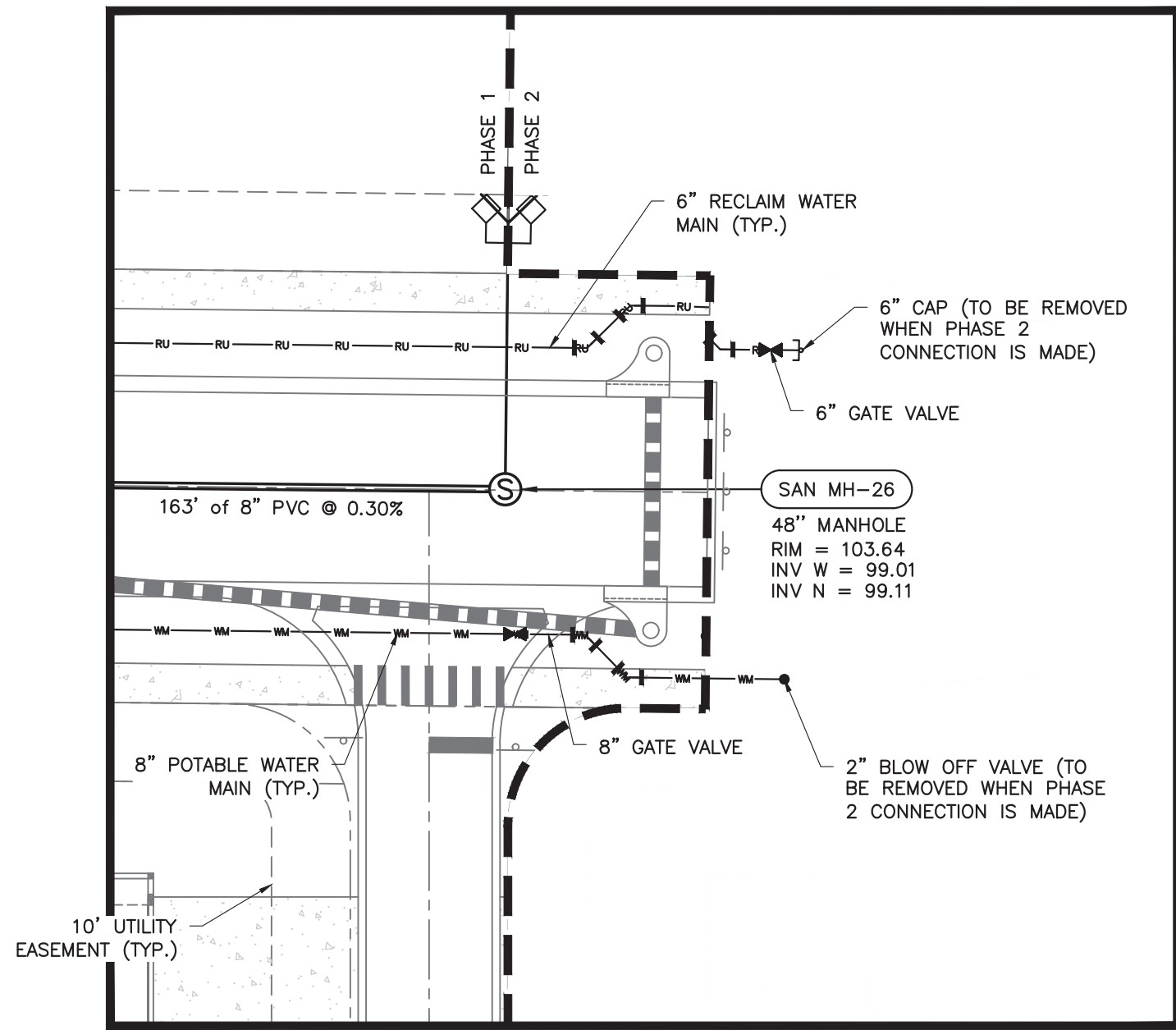


- LEGEND
- PROPERTY BOUNDARY
 - PHASE LINE
 - PHASE 1
 - PHASE 2

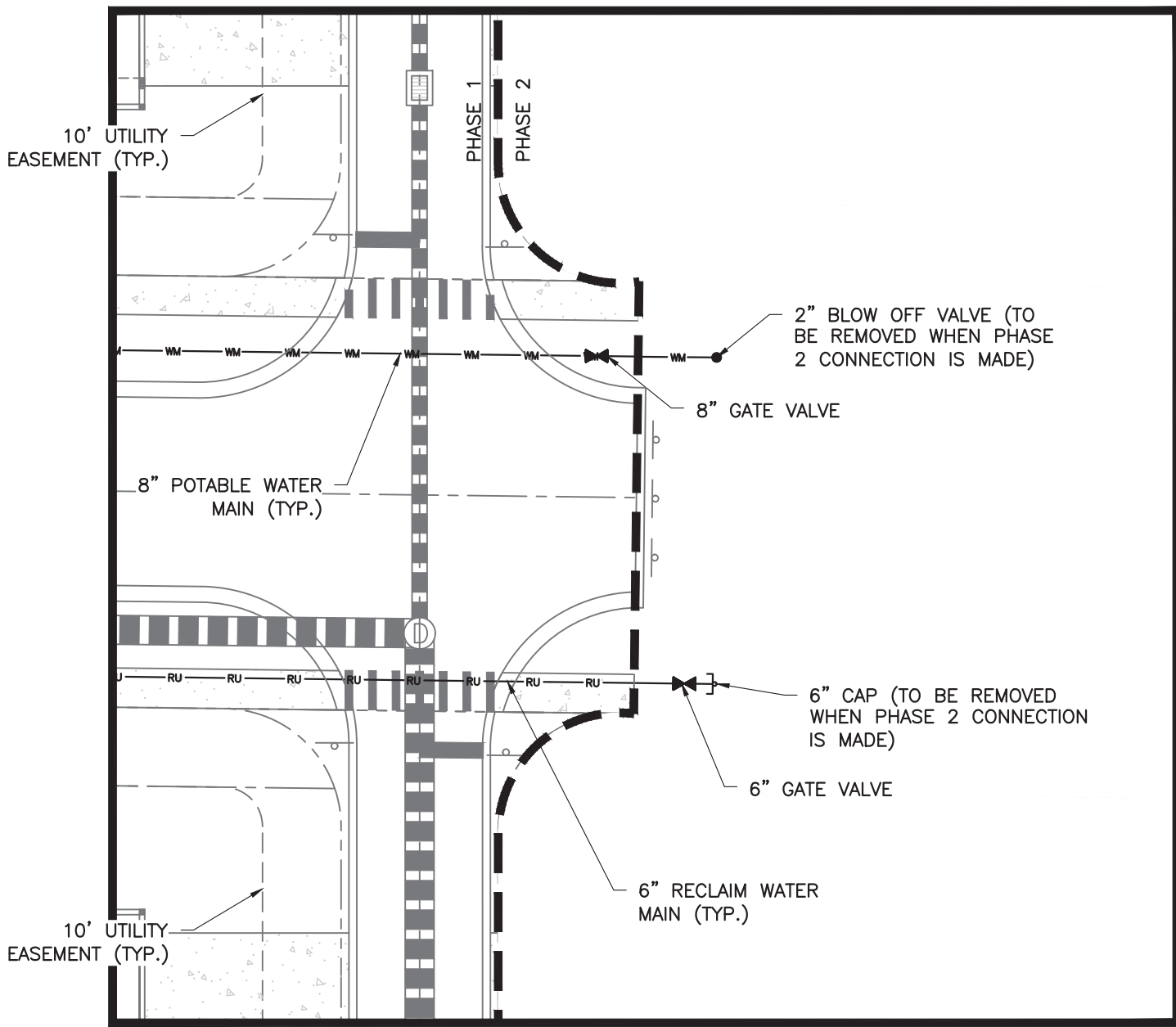


KEY MAP

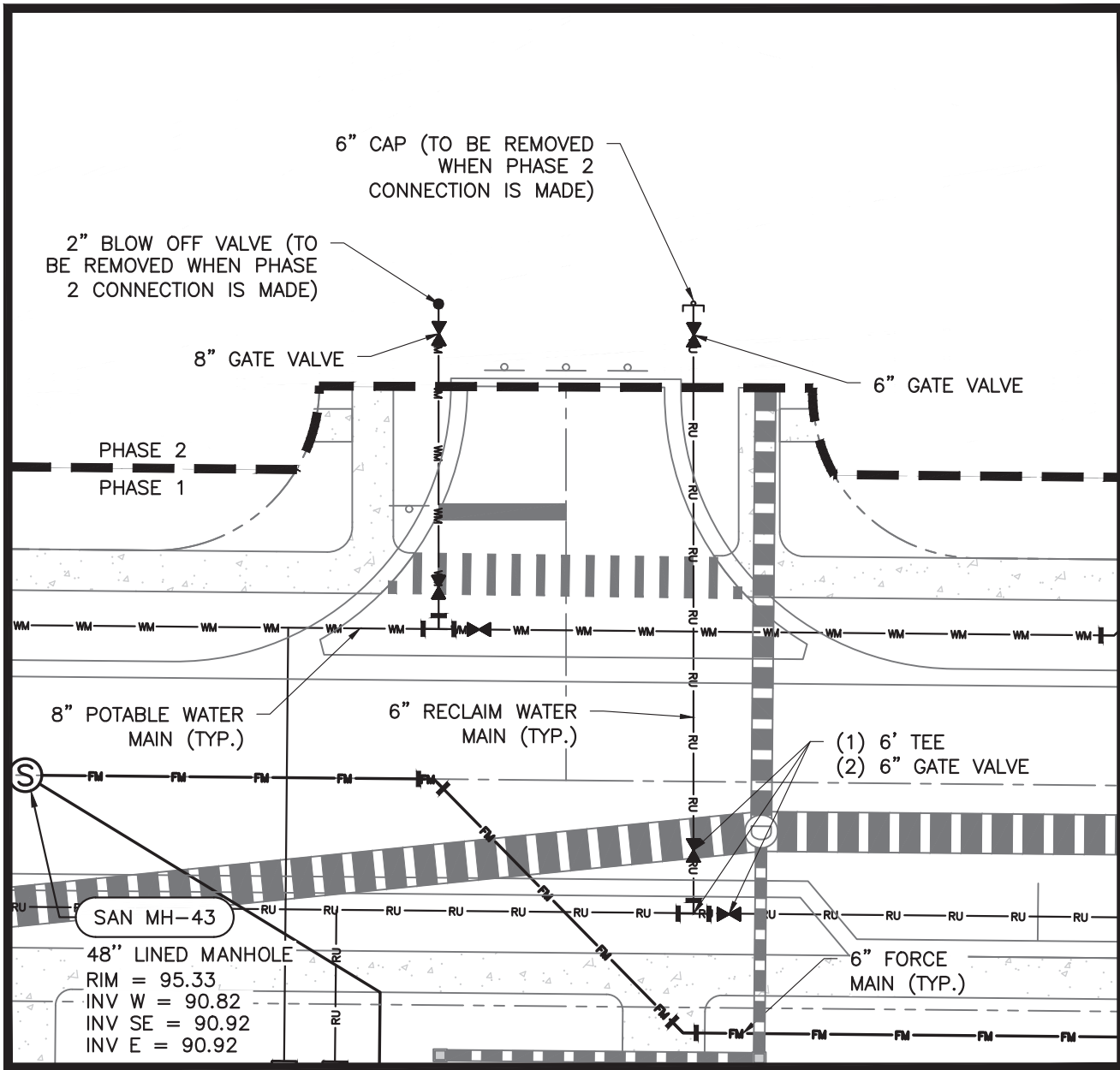
CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Weston, FL 33391		DATE		BY	
PHASING PLAN – GEOMETRY		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		REV.		DESCRIPTION	
SCALE	1" = 20'	DRAWN	B. KILLELA	DESIGNED	O. SANCHEZ	CHECKED	O. SANCHEZ	DATE	2/14/25	SHEET	
PROJECT	DDC-001	PROJECT		PROJECT		PROJECT		PROJECT		PROJECT	
C3.15		C3.15		C3.15		C3.15		C3.15		C3.15	
APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING	
FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER		FLORIDA PROFESSIONAL ENGINEER	
No. 86492		No. 86492		No. 86492		No. 86492		No. 86492		No. 86492	
STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA	
201405		201405		201405		201405		201405		201405	
PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER	
Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.		Sunshine State One Call of Florida, Inc.	
Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig		Call 48 hours before you dig	
It's the Law!		It's the Law!		It's the Law!		It's the Law!		It's the Law!		It's the Law!	
1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770		1-800-432-4770	
SHEET 35 OF 120		SHEET 35 OF 120		SHEET 35 OF 120		SHEET 35 OF 120		SHEET 35 OF 120		SHEET 35 OF 120	



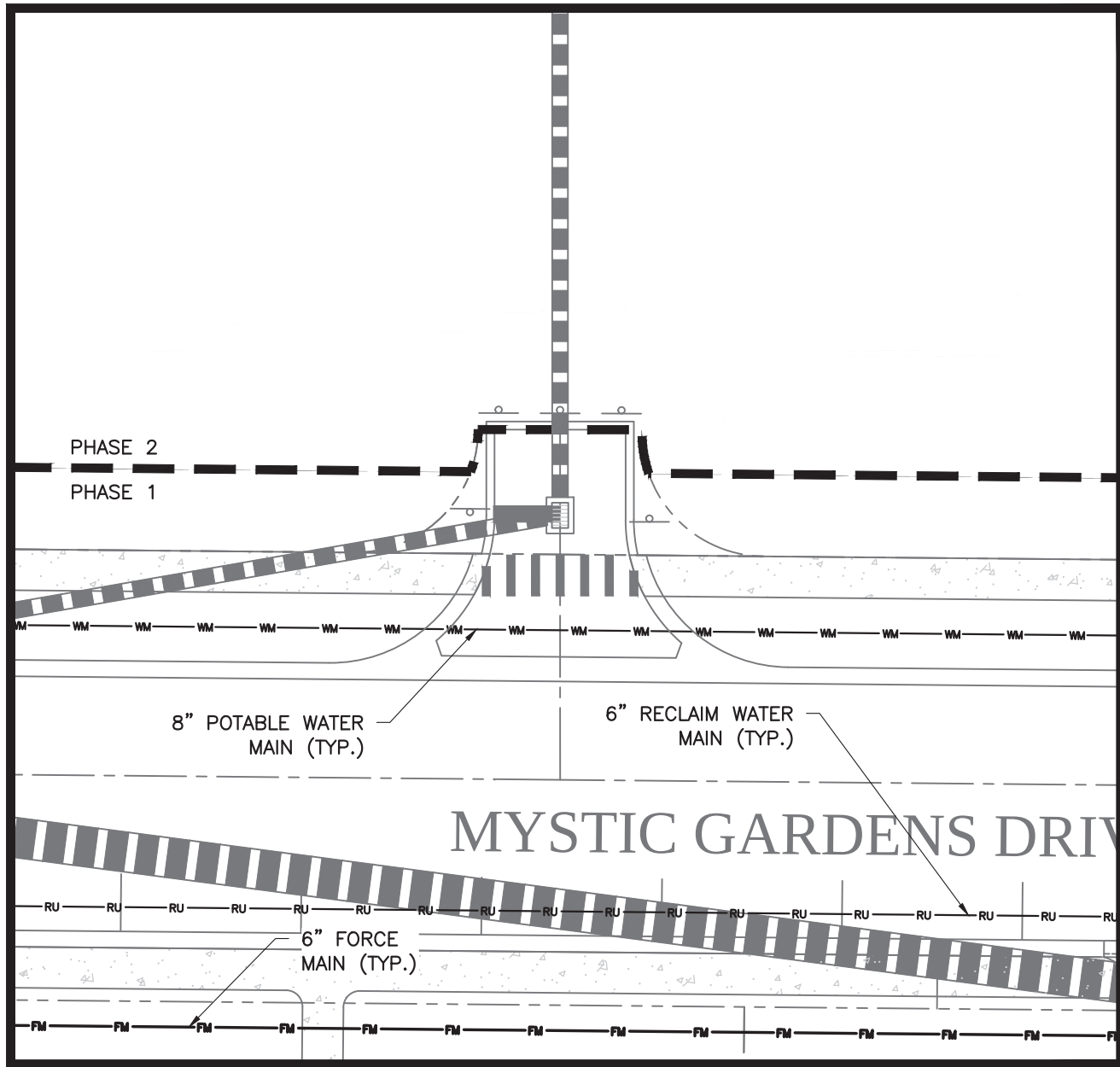
PHASING DETAIL AREA #1
SCALE: 1" = 20'



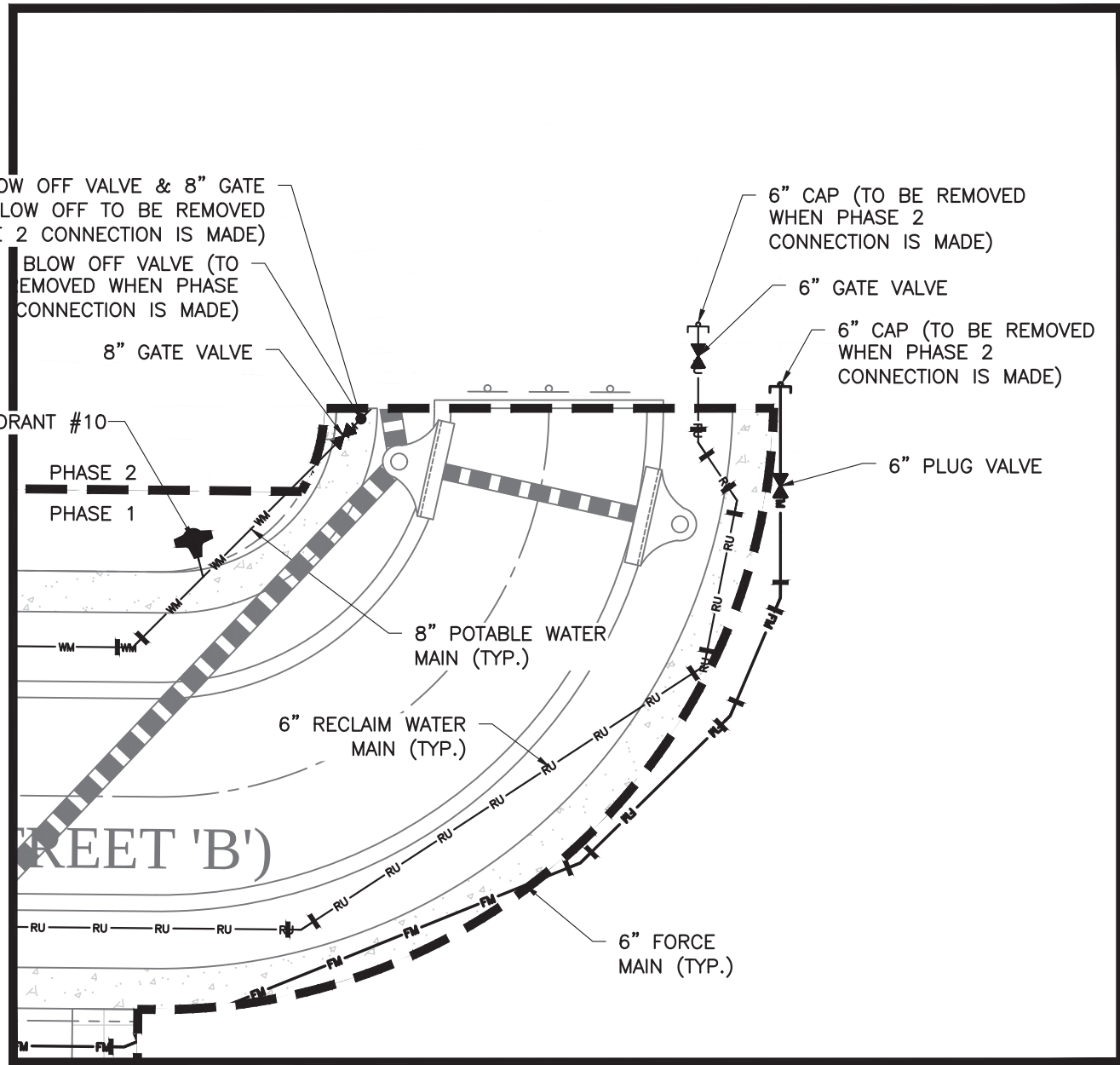
PHASING DETAIL AREA #2
SCALE: 1" = 20'



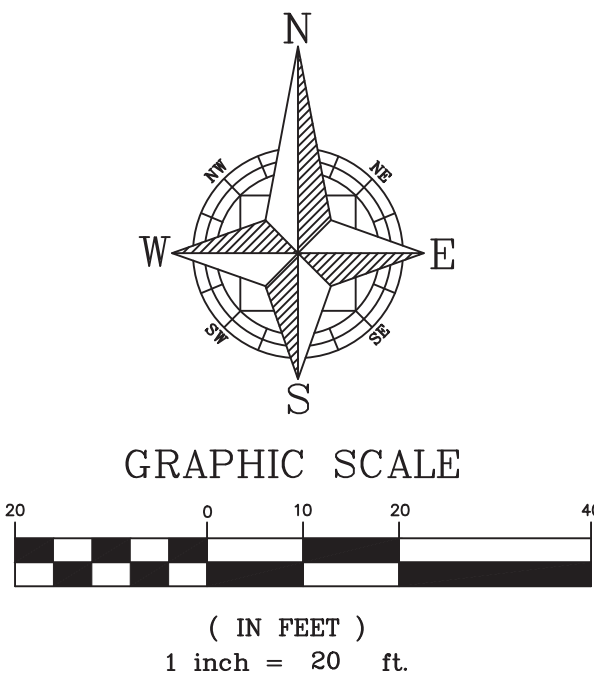
PHASING DETAIL AREA #3
SCALE: 1" = 20'



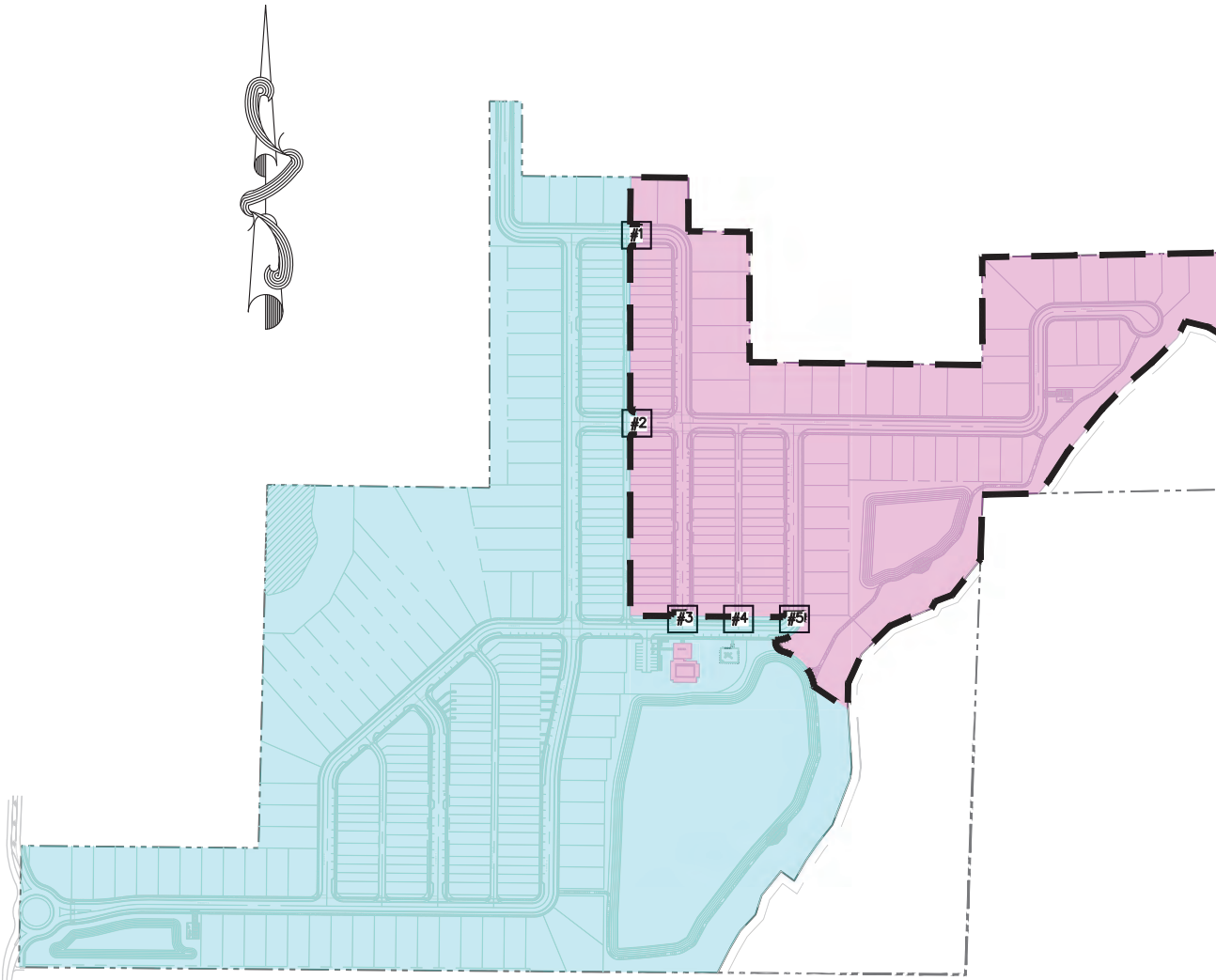
PHASING DETAIL AREA #4
SCALE: 1" = 20'



PHASING DETAIL AREA #5
SCALE: 1" = 20'



- LEGEND
- PROPERTY BOUNDARY
 - PHASE LINE
 - PHASE 1
 - PHASE 2

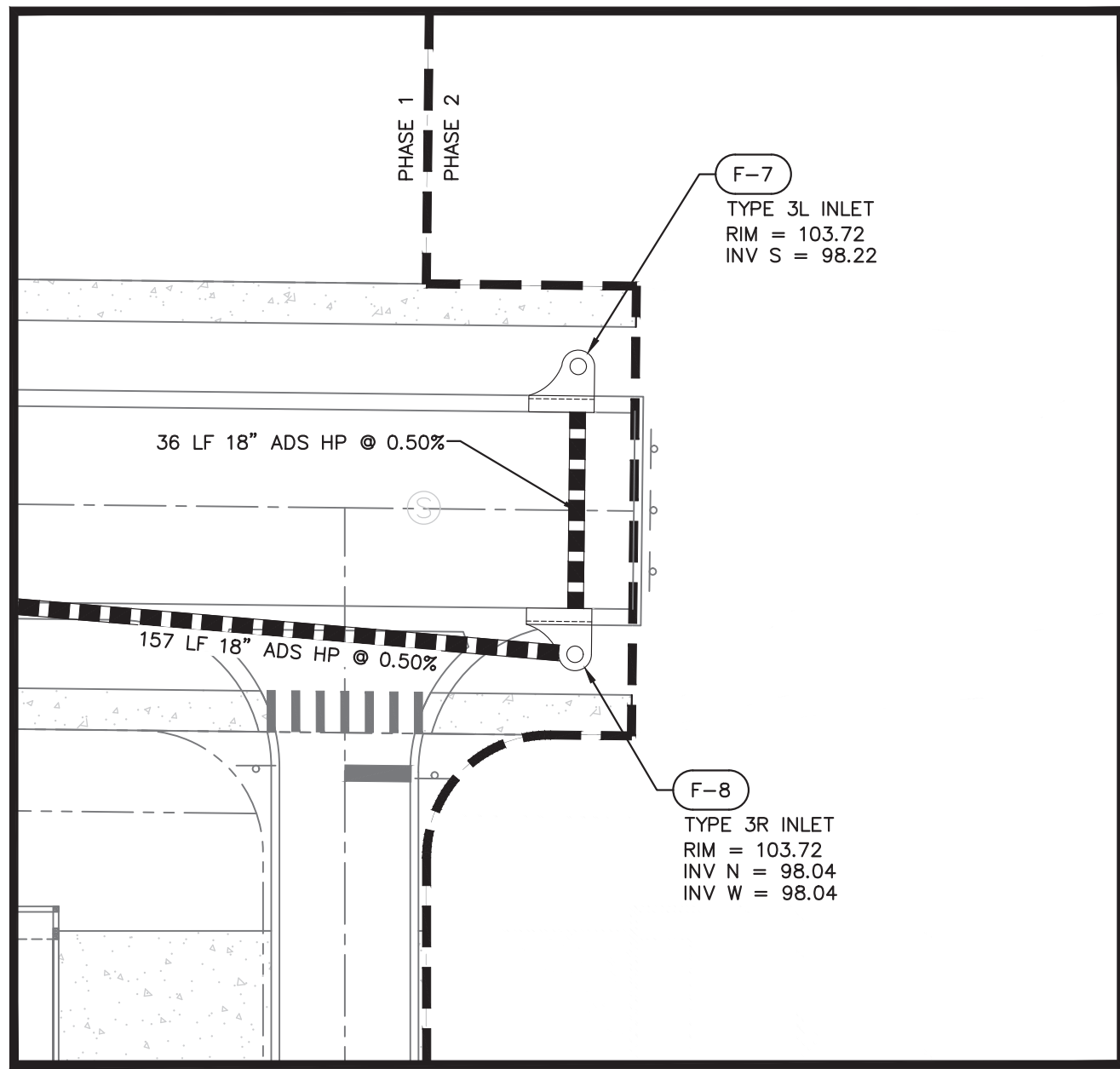


KEY MAP

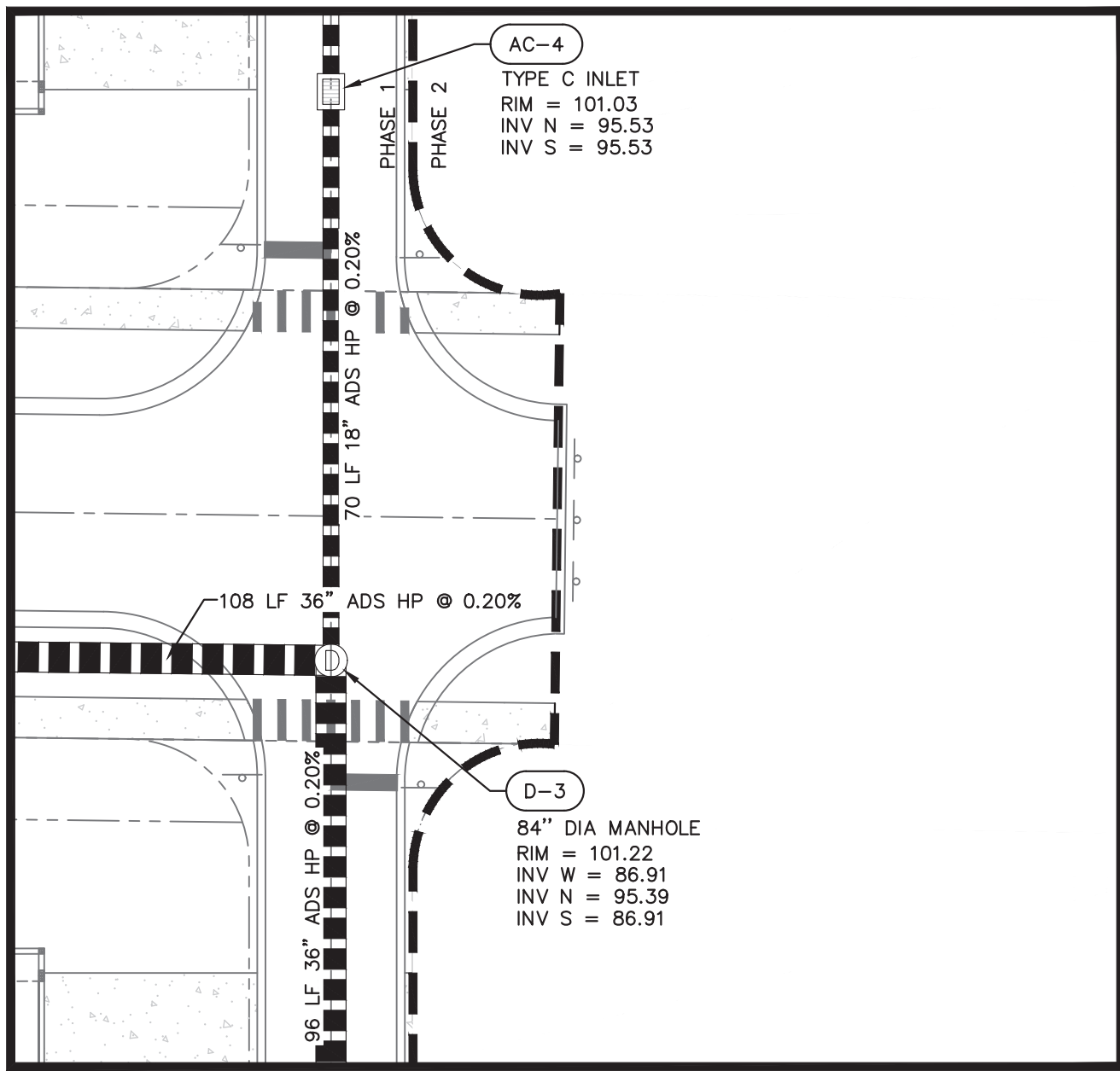
UTILITY PHASING NOTES:

- POTABLE WATER MAINS MUST TERMINATE WITH A MAIN LINE GATE VALVE AND BLOW OFF AT THE END OF EACH PHASE.
- RECLAIMED WATER MAINS MUST TERMINATE WITH A MAIN LINE GATE VALVE AND A CAP AT THE END OF EACH PHASE.
- STORM PIPES SHALL BE EXTENDED 20' BEYOND PHASING LINE TO INVERT AS SPECIFIED ON PHASING PLAN - DRAINAGE.

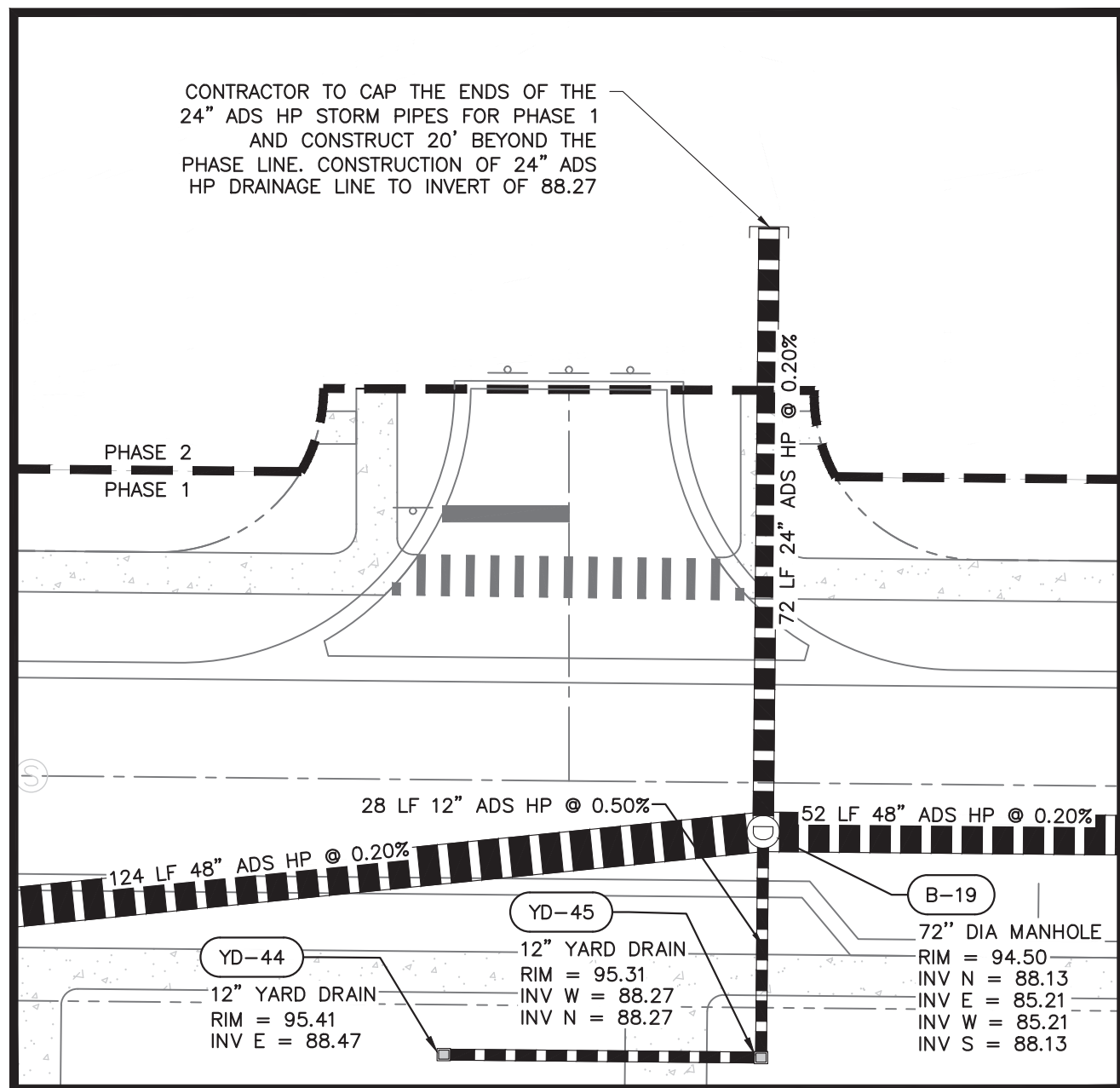
CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 201, Winter Park, Florida 32789		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 12789	
PHASING PLAN - UTILITIES		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE	
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/14/25		DESCRIPTION	
SCALE: 1" = 20'		PROJECT: DDC-001		SHEET: C3.16					
SHEET 36 OF 120									



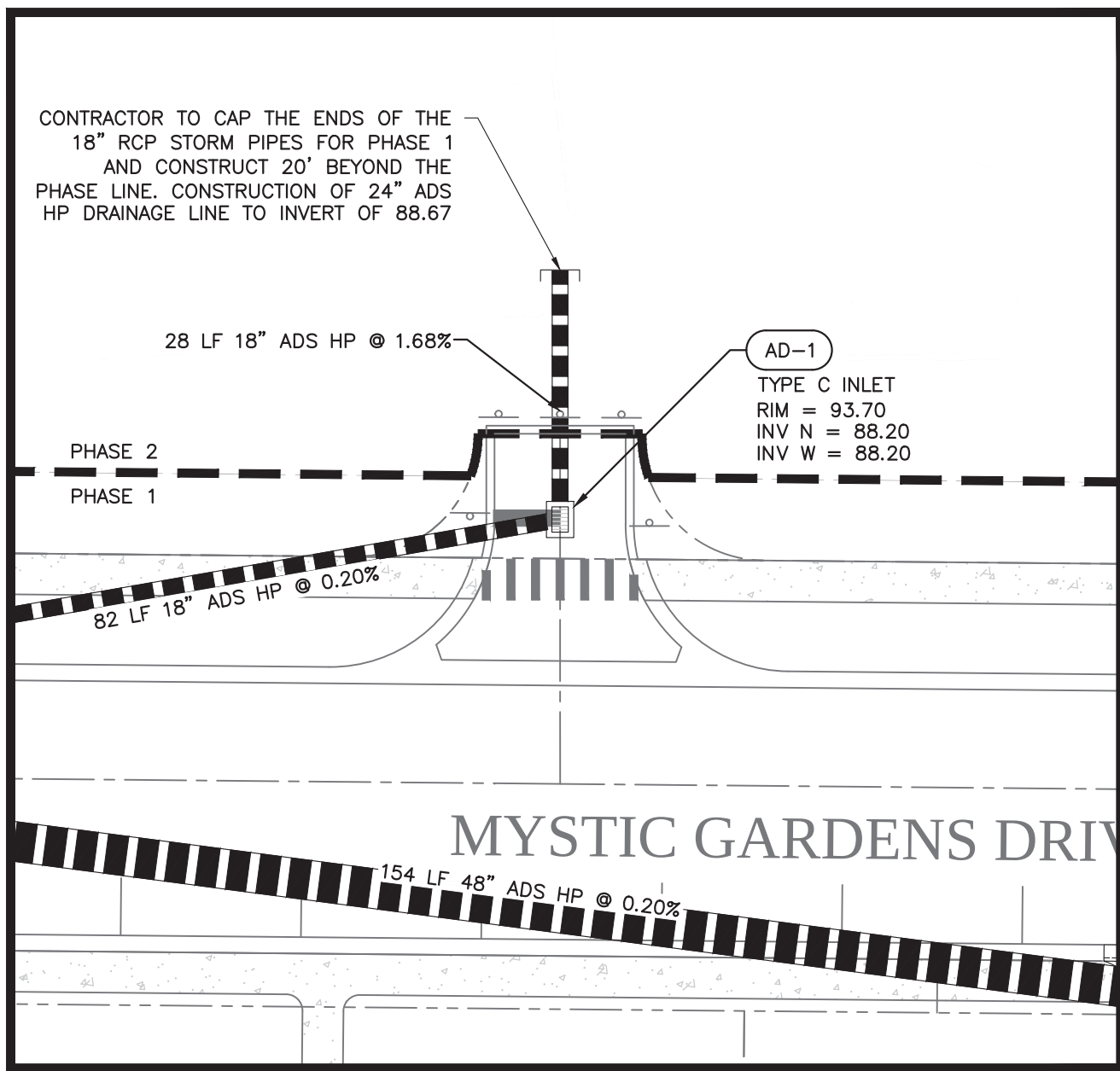
PHASING DETAIL AREA #1
SCALE: 1" = 20'



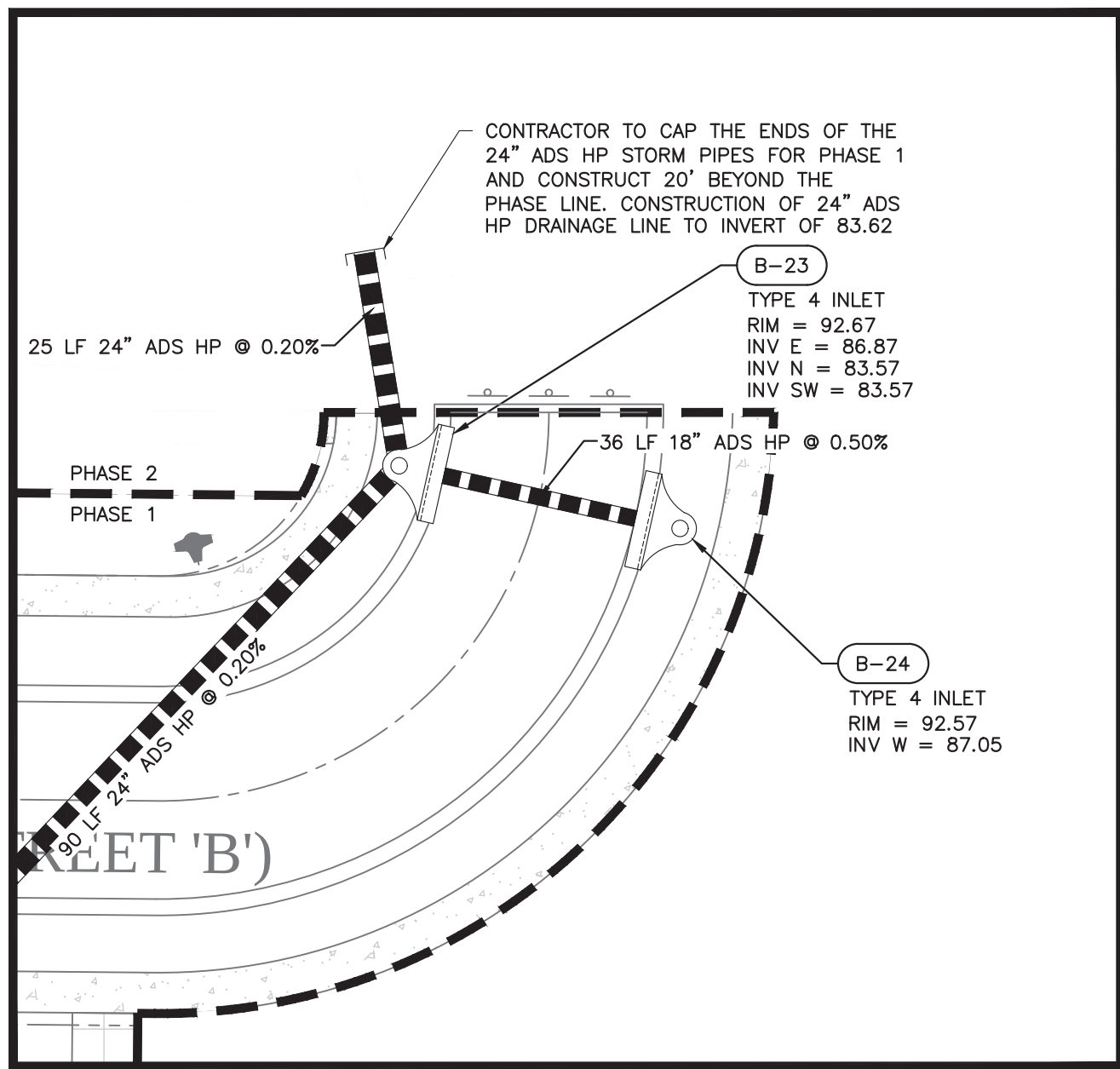
PHASING DETAIL AREA #2
SCALE: 1" = 20'



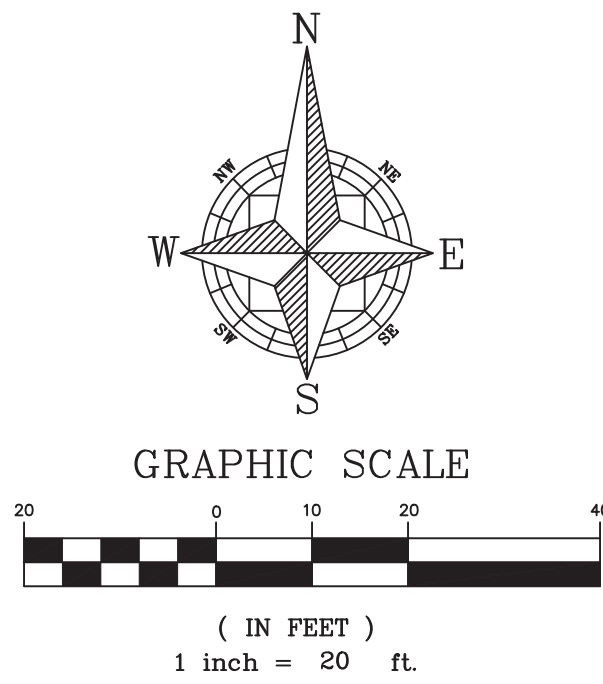
PHASING DETAIL AREA #3
SCALE: 1" = 20'



PHASING DETAIL AREA #4
SCALE: 1" = 20'

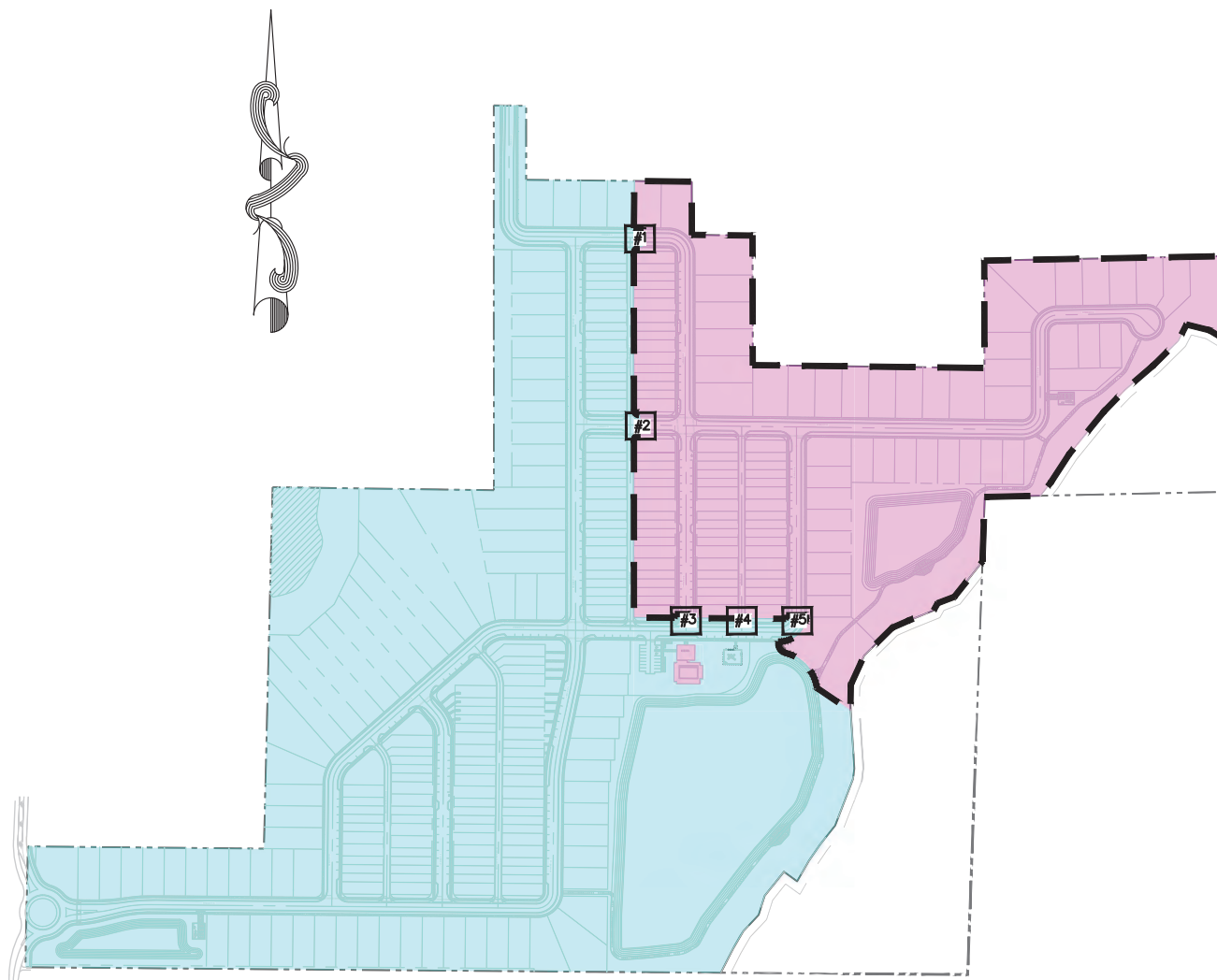


PHASING DETAIL AREA #5
SCALE: 1" = 20'

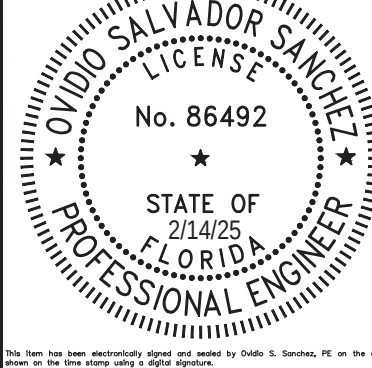


LEGEND

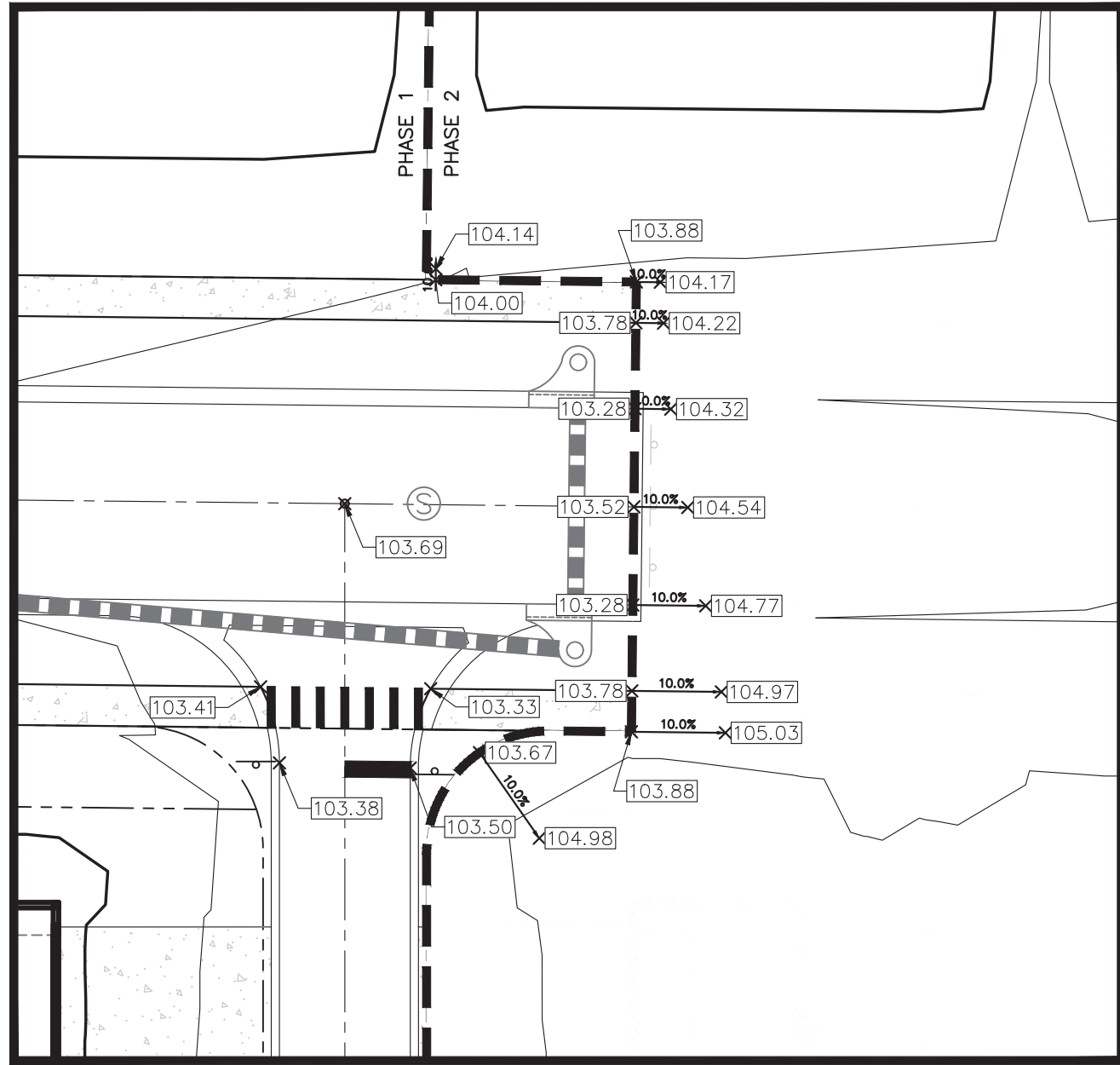
- PROPERTY BOUNDARY
- PHASE LINE
- PHASE 1
- PHASE 2



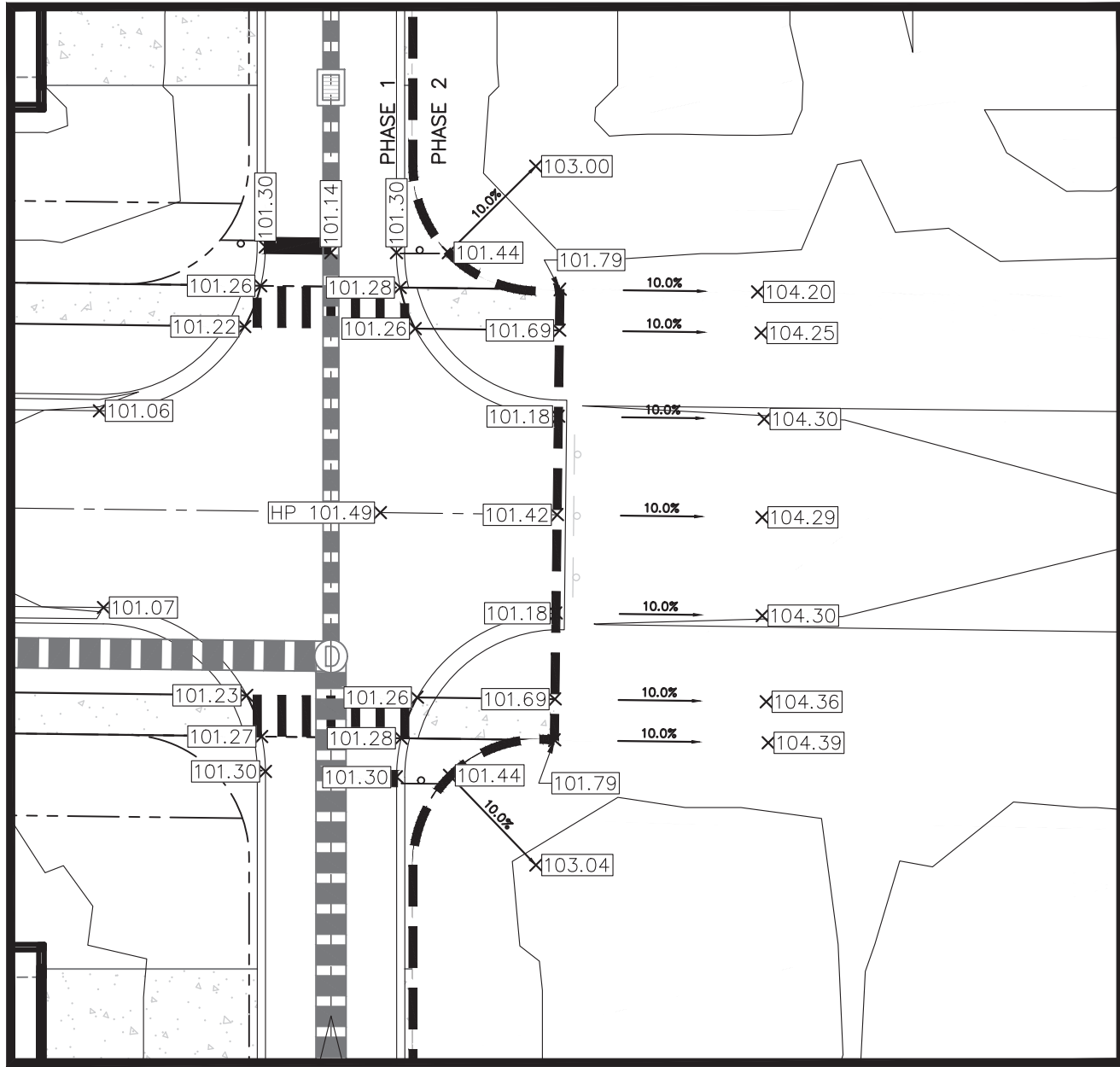
KEY MAP

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2211 Lee Road, Suite 217, Winter Park, Florida 32789		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 1216	
PHASING PLAN - DRAINAGE		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA			
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE	1" = 20'	PROJECT	DDC-001	SHEET	C3.17				
									

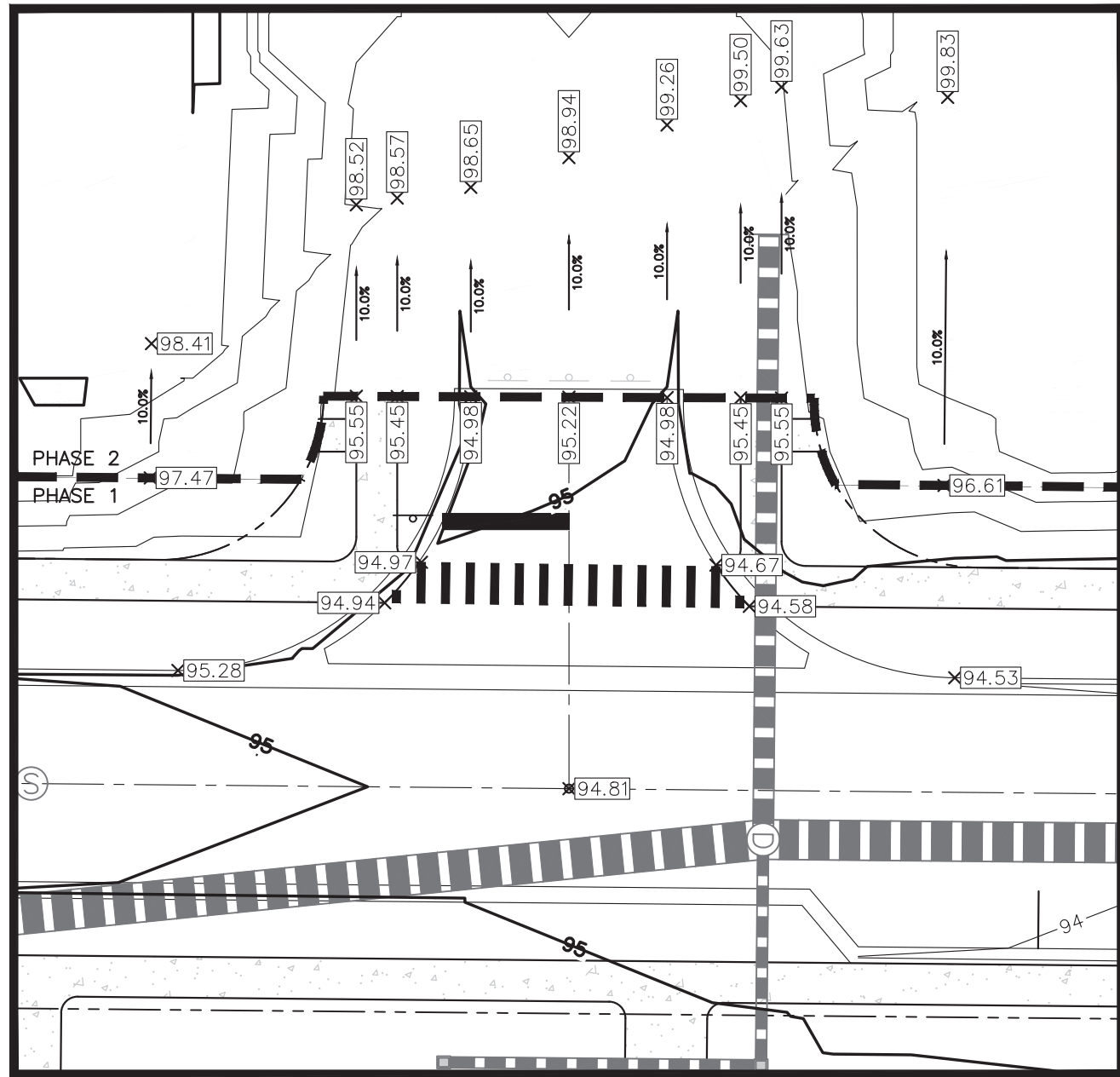




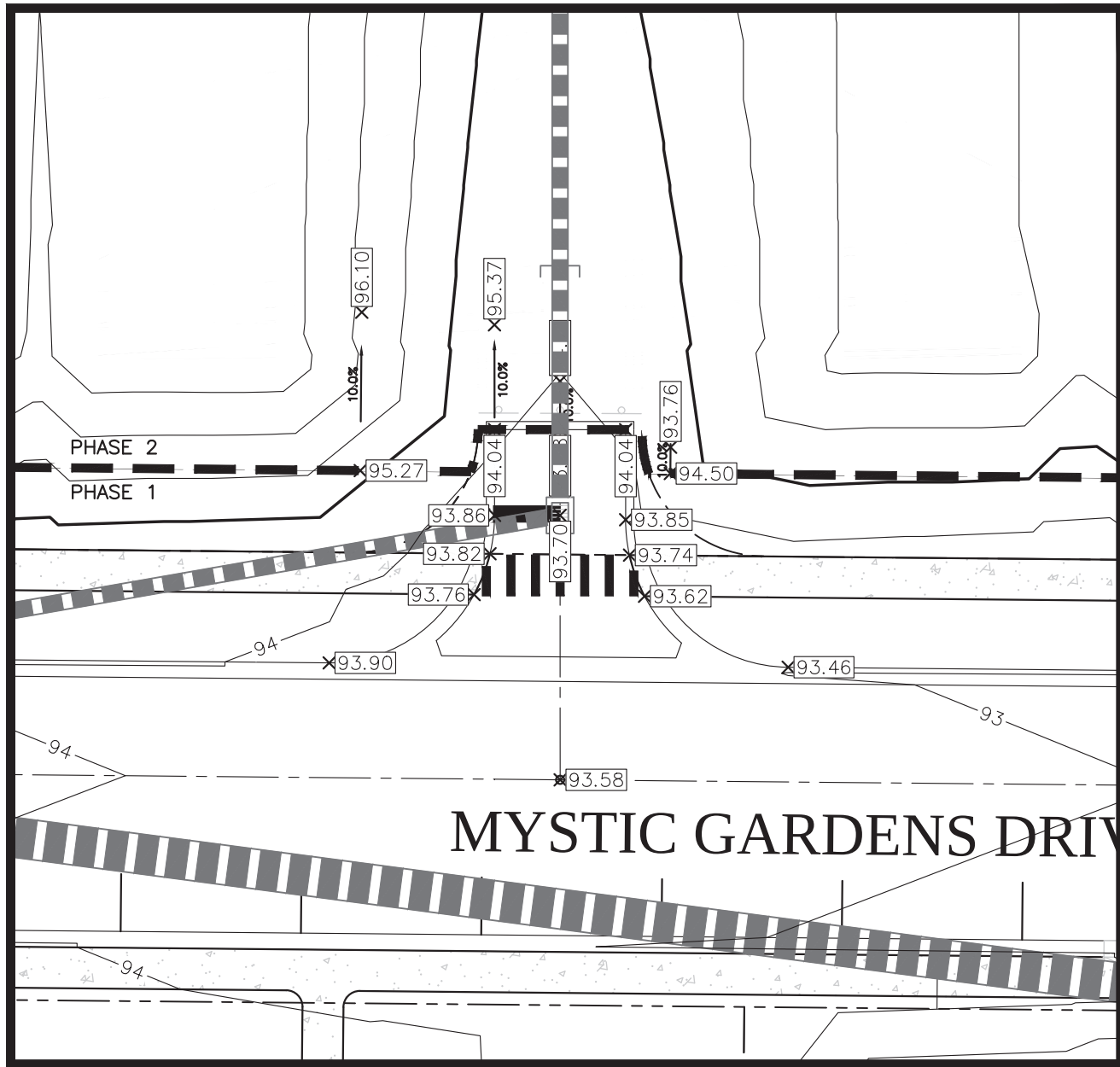
PHASING DETAIL AREA #1
SCALE: 1" = 20'



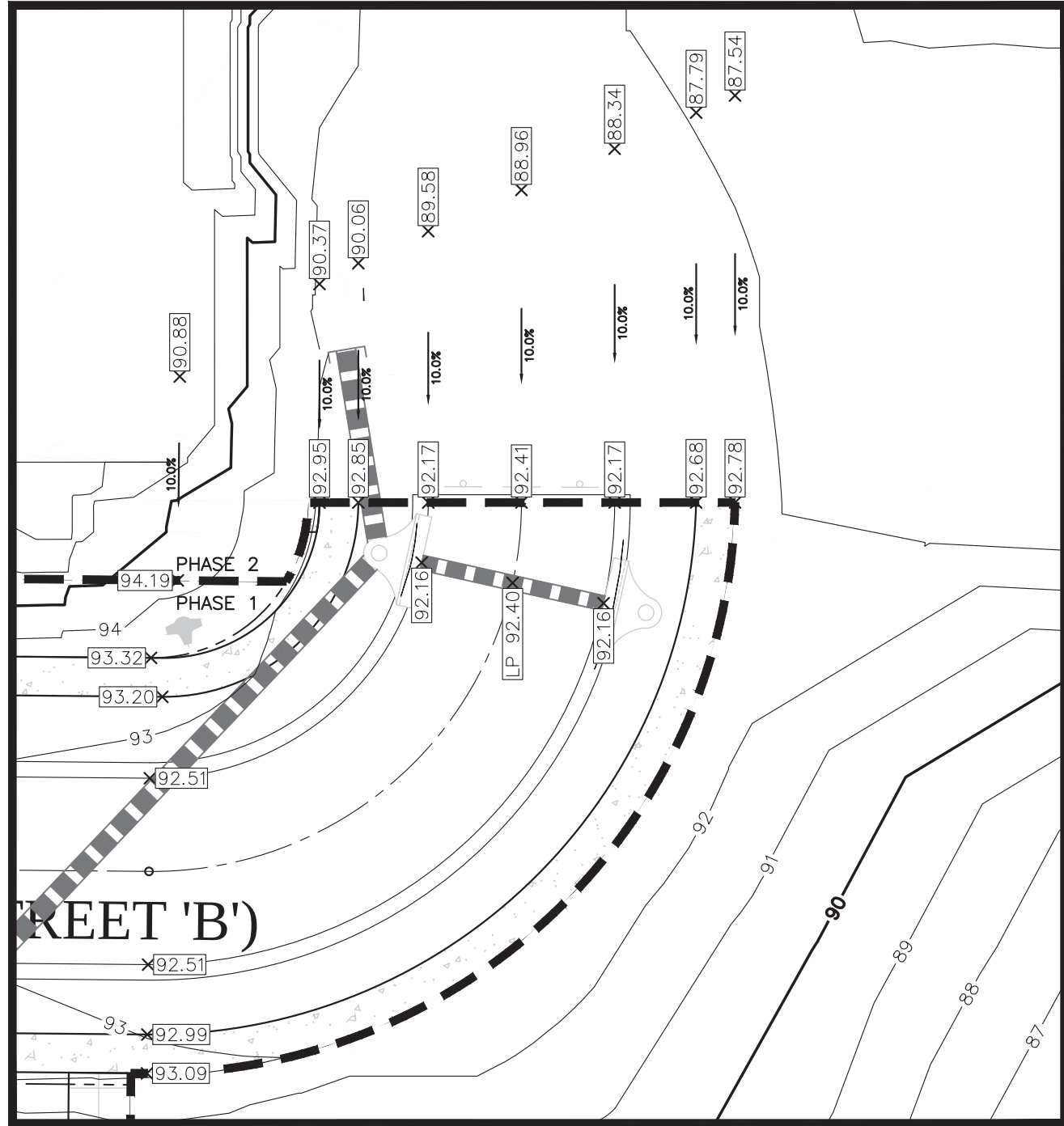
PHASING DETAIL AREA #2
SCALE: 1" = 20'



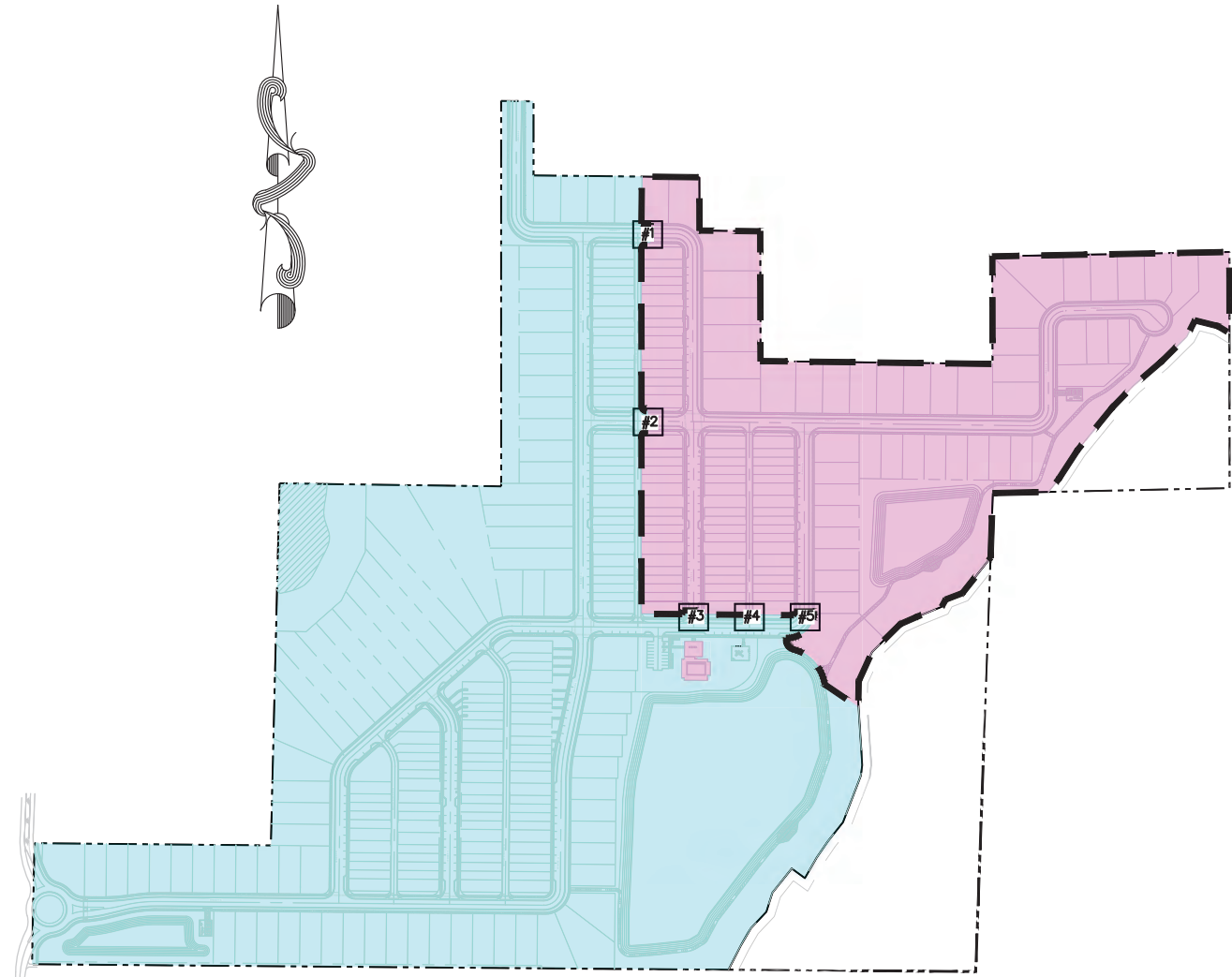
PHASING DETAIL AREA #3
SCALE: 1" = 20'



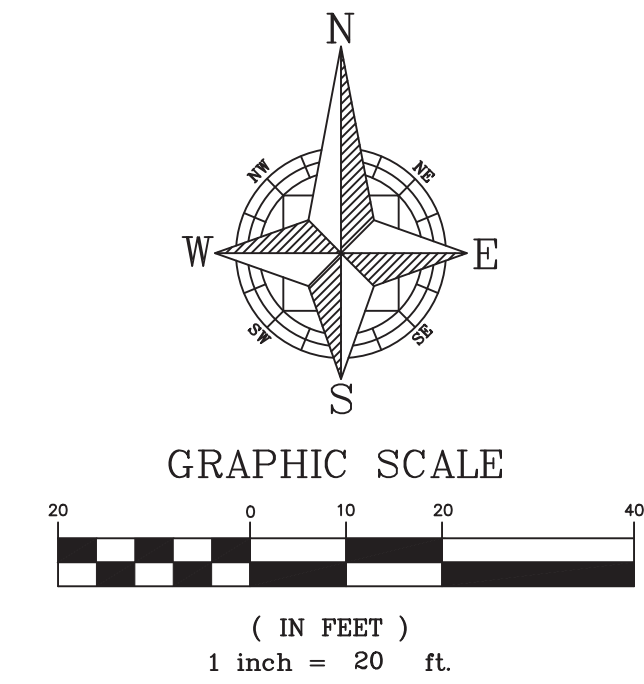
PHASING DETAIL AREA #4
SCALE: 1" = 20'



PHASING DETAIL AREA #5
SCALE: 1" = 20'

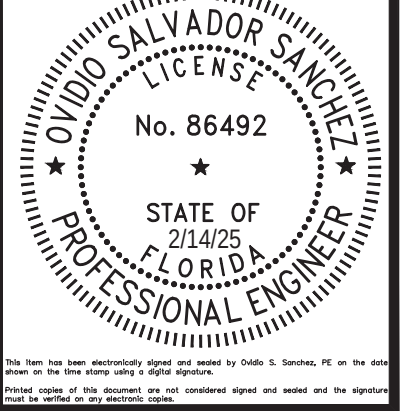
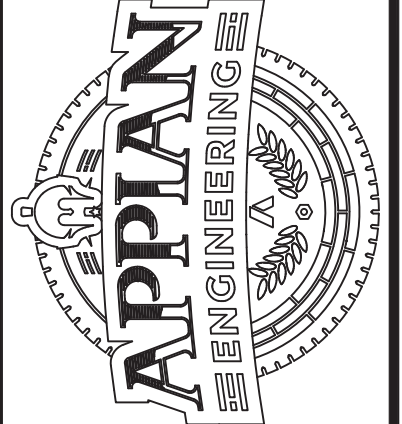


KEY MAP



- LEGEND
- PROPERTY BOUNDARY
 - PHASE LINE
 - PHASE 1
 - PHASE 2

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		2221 Lee Road, Suite 201, Winter Park, Florida 32789		APPIANFL.COM • 407.960.5688		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 1212	
PHASING PLAN - PAVING & GRADING		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		REV.	
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/14/25		DESCRIPTION	
SCALE: 1" = 20'		PROJECT: DDC-001		SHEET: C3.18		BY			





1. ALL PARKING SPACE STRIPING WITHIN THE CITY-OWNED RIGHT-OF-WAY SHALL BE MAINTAINED BY THE H.O.A.

C3.21

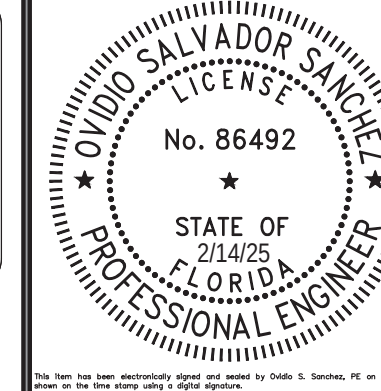
C3.20

PLEASE REFER TO ORANGE COUNTY
RIGHT-OF-WAY IMPROVEMENT PLANS FOR
OFFSITE SIGNAGE AND STRIPING

It's the Law!
1-800-432-4770

Sunshine State One Call of Florida, Inc.

SHEET 39 OF 120



OVERALL SIGNAGE & STRIPING PLAN

FLAN CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

CIVIL ENGINEERING | LAND PLANNING

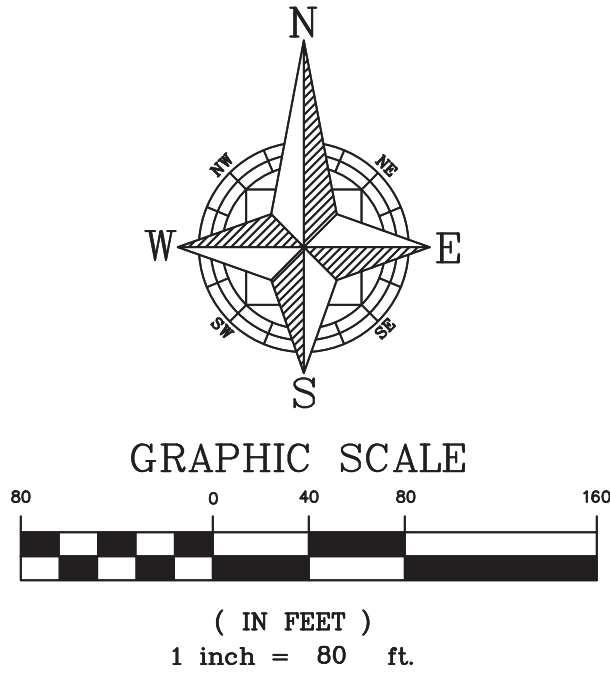
APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

2221 LEE ROAD, SUITE 27, WINTER PARK, FLORIDA 32789

Page 34 of 9

P:_PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\SIGNAGE & STRIPING PLAN.dwg Modified:5/23/2024 By: osanchez



RTHEAST CORNER OF
E NORTHWEST 1/4 OF
STION 18-21-28
JND RAILROAD SPIKE
ID: CCR #105361

SHEET C3.21
SHEET C3.20

PLEASE REFER TO ORANGE COUNTY
RIGHT-OF-WAY IMPROVEMENT PLANS FOR
OFFSITE SIGNAGE AND STRIPING

BLUE HYDRANT
REFLECTOR (TYP.)

SPEED LIMIT SIGN

BLUE HYDRANT
REFLECTOR (TYP.)

STOP SIGN
& STOP BAR

NO PARKING IN
ALLEY (TYP.)

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

PLEASE REFER TO SHEET C8.0 FOR
HANDICAP AND STANDARD PARALLEL
PARKING STALL STRIPING (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

22' X 7' STANDARD PARALLEL
PARKING STALLS (TYP.)

BLUE HYDRANT
REFLECTOR (TYP.)

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

STOP SIGN
& STOP BAR

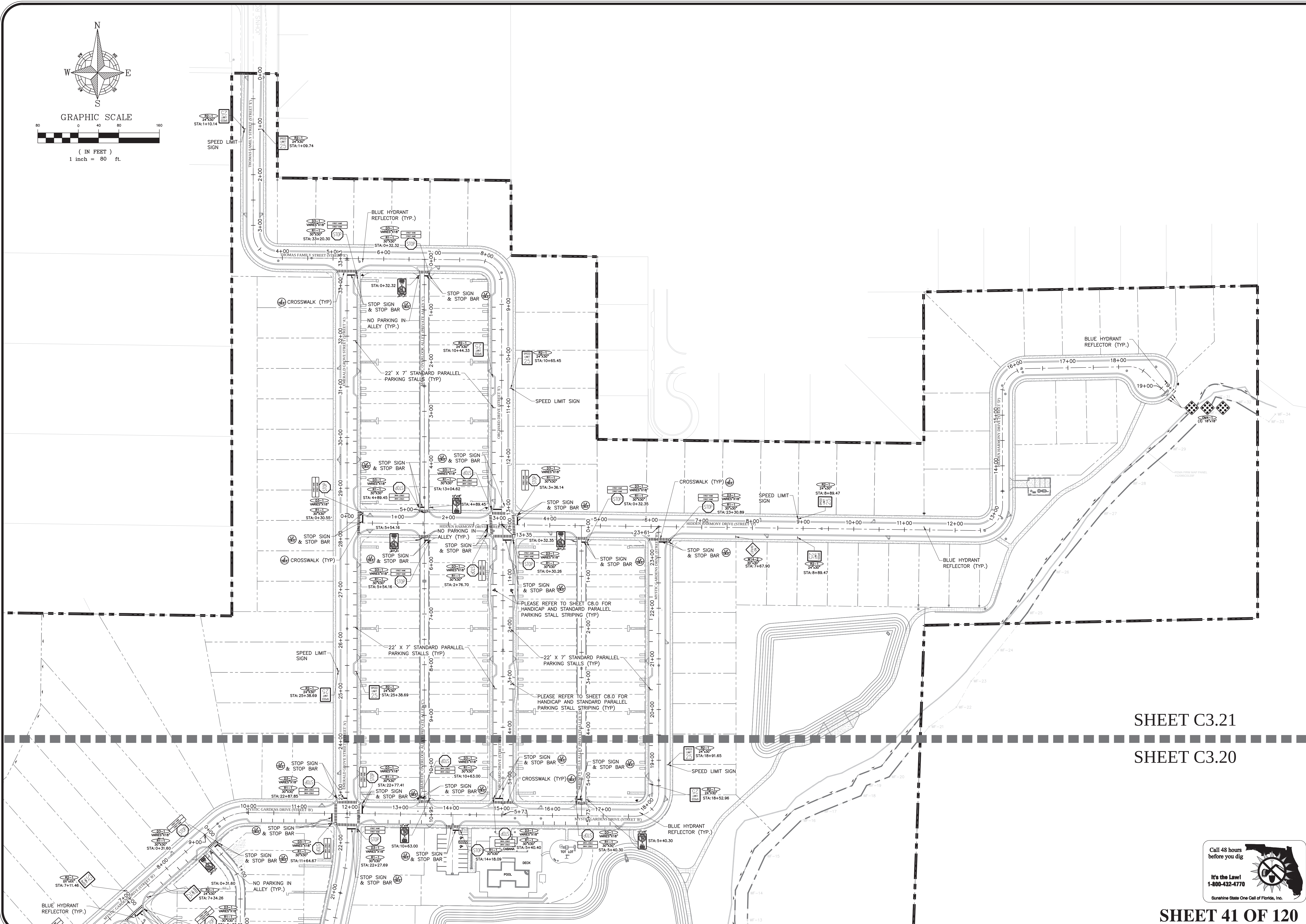
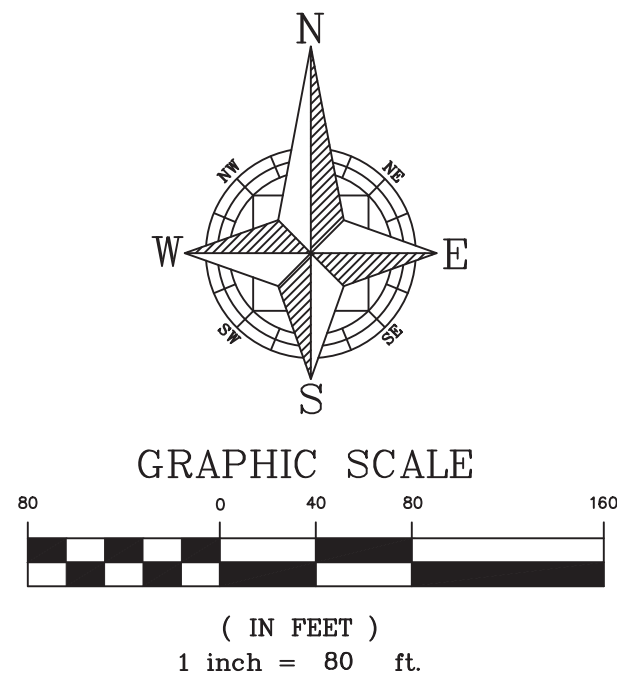
STOP SIGN
& STOP BAR



SHEET 40 OF 120

CIVIL ENGINEERING I LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5668		2221 Lee Road, Suite 217, Winter Park, Florida 32789		BY	
SIGNAGE & STRIPING PLAN -		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DESCRIPTION	
SCALE	1" = 80'	DRAWN	B. KILLELA	DESIGNED	O. SANCHEZ	CHECKED	O. SANCHEZ	DATE	2/14/25
PROJECT	DDC-001	SHEET	C3.20						
APPIAN ENGINEERING		FLORIDA PROFESSIONAL ENGINEER		No. 86492					
STATE OF FLORIDA		21405		OVIDO SALVADOR SANCHEZ					

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil\Layouts\04 Final Engineering\SIGNAGE & STRIPING PLAN.dwg Modified:5/23/2024 By:osanchez



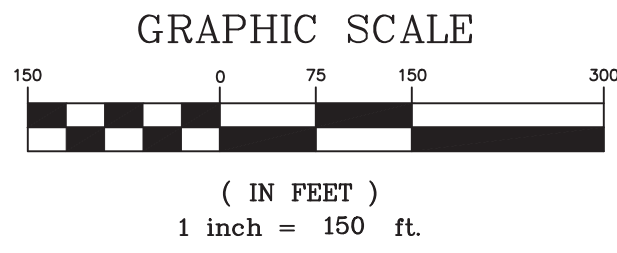
SHEET C3.21

SHEET C3.20



SHEET 41 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5668		2221 Lee Road, Suite 207, Wynona Park, Florida 32799		DATE		BY	
SIGNAGE & STRIPING PLAN -		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		REV.		DESCRIPTION	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25	SHEET		C3.21	
SCALE	1" = 80'	PROJECT	DDC-001	SHEET		C3.21		PROJECT		DDC-001	
APPIAN ENGINEERING		CIVIL SALVADOR SANCHEZ		LICENSE No. 86492		STATE OF FLORIDA		PROFESSIONAL ENGINEER		201405	



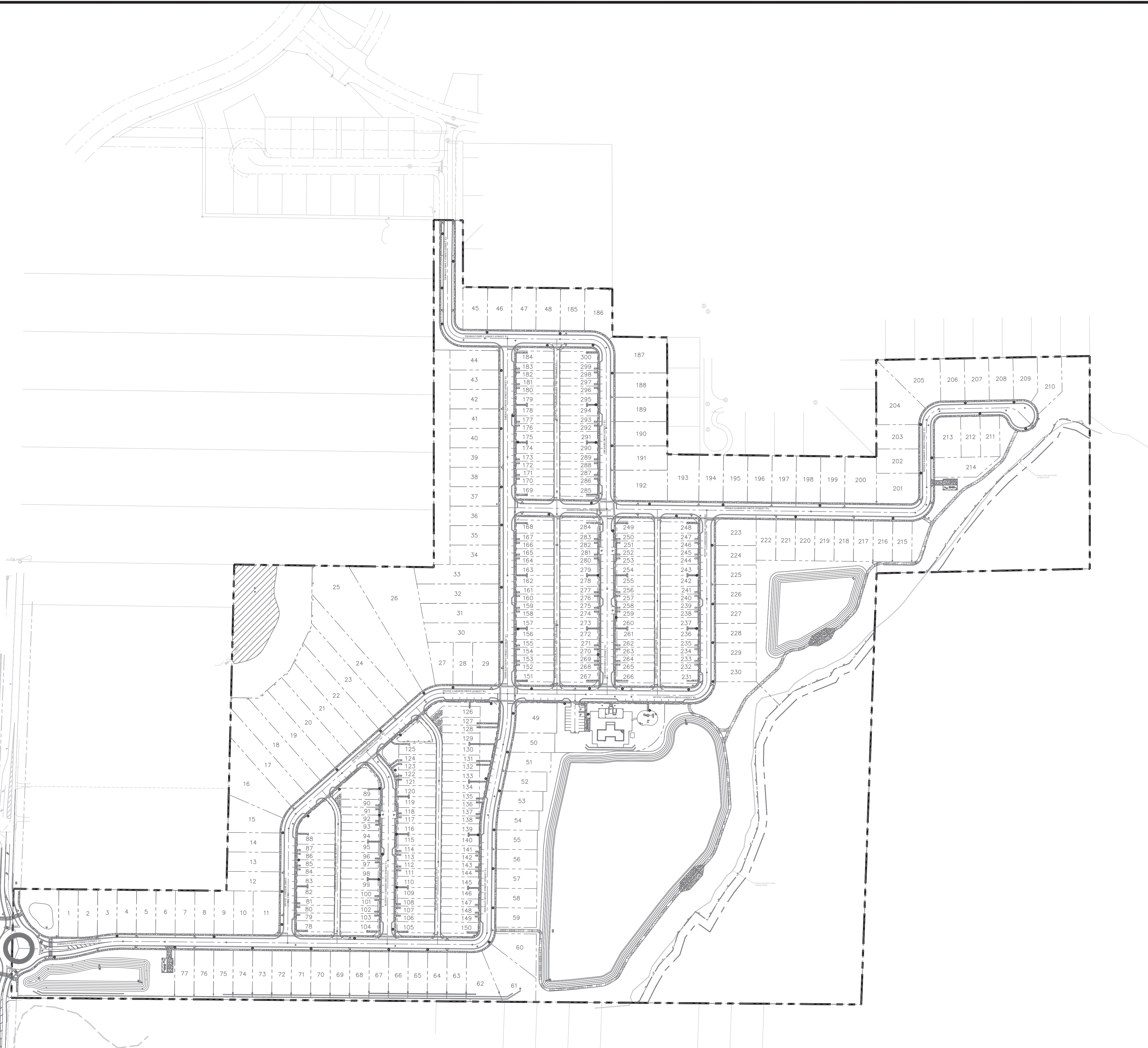
 PROPERTY BOUNDARY
 PROPOSED LIGHT

LIGHTING NOTES:

1. STREET LIGHTS AND POLES SHALL BE DECORATIVE TYPE CONSISTENT WITH THE DEVELOPMENT DESIGN GUIDELINES.
2. LIGHT POLE FOOTERS CANNOT BE EXPOSED ABOVE FINISHED GRADE.



DETAIL PROVIDED FROM DUKE ENERGY
LIGHT AND POLE DETAIL



**Call 48 hours
before you dig**

It's the Law!
1-800-432-4770

Sunshine State One



SHEET 42 OF 120



CIVIL ENGINEERING | LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

2221 LEE ROAD, SUITE 27, WINTER PARK, FLORIDA 32789

LIGHTING PLAN

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF AOPKA, FLORIDA

DRAWN:
B. KILIFIA

SCALE

DESIGNED:

PROJECT

O. SANCHEZ

SHEET

A circular professional engineer seal for Ovidio Salvador Sanchez. The outer ring contains the name "OVIDIO SALVADOR SANCHEZ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, the license number "No. 86492" in the center, the words "STATE OF" above "FLORIDA", and the expiration date "2/14/25" below "FLORIDA".

GENERAL UTILITY NOTES:

1.

BACTERIOLOGICAL TESTS WITH CHLORINE RESIDUALS INDICATED (TAKEN ON TWO CONSECUTIVE DAYS) SHALL BE CONDUCTED AT EACH POTABLE WATER METER FOR EVERY BUILDING, AT EVERY WET-TAP CONNECTION AND EVERY LOCATION INDICATED WITHIN THESE PLANS. RESULTS OF THE BACTERIOLOGICAL TESTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD IMMEDIATELY UPON COMPLETION. BACTERIOLOGICAL TEST RESULTS SHALL BE CONSIDERED UNACCEPTABLE IF THE TESTS WERE COMPLETED MORE THAN 30 DAYS BEFORE THE ENGINEER RECEIVED THE RESULTS.
2.

ALL WATERMAINS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINISHED GRADE.
3.

ALL WATERMAINS AND FIRELINES PIPES SHALL BE RESTRAINED VIA MECHANICAL JOINTS.
4.

WATER MAIN PVC PIPES LESS THAN 4 INCHES MUST CONFORM TO THE SPECIFICATIONS OF ASTM 1785 (SCHEDULE 40, 80, 120) OR ASTM 2241 SDR21 AND MUST BEAR THE NSF LOGO ON EACH INSTALLED LENGTH.
5.

UNDERGROUND MARKING TAPE FOR ALL SANITARY FORCEMAINS SHALL BE INSTALLED 4 TO 8 INCHES BELOW THE FINISHED GRADE SURFACE DIRECTLY OVER THE PIPELINE. MARKER TAPE SHALL BE MADE OF AN INERT POLYETHYLENE MATERIAL HAVING A MINIMUM THICKNESS OF 4 MILS AND BE COLOR CODED "SAFETY GREEN".
6.

CONTRACTOR SHALL CONDUCT AND PROVIDE RESULTS IMMEDIATELY TO THE ENGINEER OF RECORD FOR PRESSURE AND LEAKAGE TESTS ON THE FORCE MAIN TRUNK LINE ONCE THE PRESSURE SEWER HAS BEEN INSTALLED AND PARTLY BACKFILLED. FINAL BACKFILL AND COMPACTION SHALL NOT COMMENCE UNTIL APPROVAL OF THE PRESSURE AND LEAKAGE TESTS HAS BEEN PROVIDED BY THE ENGINEER OF RECORD.
7.

FOLLOWING SATISFACTORY PRESSURE TEST RESULTS, THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM, AND RECEIVE APPROVAL THEREOF FROM APPROPRIATE AGENCIES PRIOR TO PLACING THE SYSTEM INTO SERVICE.
8.

FIRE HYDRANTS SHALL BE PLACED A MINIMUM OF 3 FT. AND A MAXIMUM OF 5 FT. FROM THE CURB OR PAVED ROAD SURFACE UNLESS OTHERWISE APPROVED. NO FENCE, TREE, POST, SHRUB, OR OTHER OBJECT WHICH COULD BLOCK THE HYDRANT FROM NORMAL VIEW OR OBSTRUCT THE HYDRANT'S USE SHALL BE LOCATED WITHIN FOUR (4) FEET OF THE HYDRANT. THE FOUR-AND-ONE-HALF INCH (4-1/2") LARGE VOLUME CONNECTION SHALL FACE THE NEAREST ROADWAY. THE CENTER OF THE STEAMER PORT SHALL BE 18 INCHES MINIMUM AND 24 INCHES MAXIMUM ABOVE FINISHED GRADE.
9.

ALL FIRE HYDRANT LEADS SHALL HAVE AN INSIDE DIAMETER OF AT LEAST SIX INCHES AND INCLUDE AUXILIARY VALVES.
10.

WHEN NECESSARY, DEWATERING SHALL BE PROVIDED TO KEEP THE GROUNDWATER ELEVATION A MINIMUM OF 6 INCHES BELOW MAIN BEING LAID.
11.

ALL UTILITIES SHALL BE LAID ON A FIRM FOUNDATION WITH ALL UNSUITABLE MATERIAL (MUCK, ROCK, COQUINA, ETC.) REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
12.

TRENCHES SHALL BE BACKFILLED WITH MATERIAL ACCEPTABLE TO CITY OF APOPKA WITH A MINIMUM COMPACTION OF 98% IN PAVED AREAS AND 95% IN UNPAVED AREAS IN ACCORDANCE WITH AASHTO T-180 MODIFIED PROCTOR TEST.
13.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT TRENCH COMPACTION TESTS BE PROVIDED AT POINTS 12 INCHES ABOVE THE PIPE AND AT 12 INCHES VERTICAL INTERVALS TO FINISH GRADE, AT A MINIMUM SPACING OF EVERY 300 FEET.
14.

ALL WATER SERVICE ENDINGS SHALL BE MARKED WITH A 2" X 4" LUMBER (PRESSURE TREATED) EXTENDING 4 FEET ABOVE GRADE, WITH WATER SERVICES SECURED 12" MAXIMUM ABOVE THE GROUND.
15.

ALL WATER VALVES, INCLUDING CONCRETE COLLAR (WITH DEBRIS CAP), SHALL BE ADJUSTED TO FINISHED GRADE AND THE VALVE BOX LID, PAINTED BLUE TO MAKE THEM PLAINLY VISIBLE.
16.

UPON FINAL ACCEPTANCE OF NEW WATER SYSTEMS, WATER VALVES SHALL BE COMPLETELY OPENED BY PUBLIC UTILITIES PERSONNEL. AT NO TIME SHALL CONTRACTOR OPERATE ANY EXISTING VALVES WITHOUT CITY OF APOPKA INSPECTOR PRESENT.
17.

ALL WATER MAINS SHALL BE NSF-APPROVED FOR POTABLE WATER USE.
18.

PIPE USED IN WATER DISTRIBUTION SYSTEMS SHALL BE EITHER POLYVINYL CHLORIDE (PVC), OR DUCTILE IRON PIPE (DIP).



- (a)

ALL PVC PIPE OF NOMINAL DIAMETER FOUR (4) INCHES THROUGH TWELVE (12) INCHES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900, LATEST EDITION. THE PVC PIPE SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 150PSI AND SHALL HAVE A DIMENSION RATIO (DR) OF 18.
- (b)

ALL DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA A21.51/C151 AND HAVE A MINIMUM 350 PRESSURE CLASS RATING
19.

PIPE USED IN GRAVITY SEWER CONSTRUCTION SHALL BE POLYVINYL CHLORIDE (PVC) OR DUCTILE IRON PIPE (DIP). WHERE REFERENCE IS MADE TO AN ASTM, ANSI, OR AASHTO DESIGNATION, IT SHALL BE THE LATEST REVISION.

- (a)

PVC GRAVITY SEWER PIPE (4 INCH - 15 INCH), ASTM D3034, SDR 35 - UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46PSI. THE JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. APPLICABLE UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B-4. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL AND BE GREEN IN OVERALL COLOR. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE THIRTEEN (13) FEET.
- (b)

DUCTILE IRON PIPE SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS THICKNESS DESIGNED PER ANSI/AWWA A21.50/C150, WITH MECHANICAL OR PUSH ON JOINTS. AN INTERIOR PROTECTIVE LINING OF COAL TAR EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS. DUCTILE IRON GRAVITY SEWERS, WHERE REQUIRED BY CITY OF APOPKA BASED ON GEOTECHNICAL INVESTIGATIONS, SHALL BE WRAPPED WITH POLYETHYLENE FILM, AWWA C105. SEE APPENDIX C. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE EIGHTEEN (18) FEET.

WATER SYSTEM TESTING REQUIREMENTS:

1. THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTING OF ALL WATER DISTRIBUTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WATER DISTRIBUTION SYSTEM.
2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.
3. ALL PROPOSED WATER MAINS SHALL BE TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS.
4. PRIOR TO HYDROSTATIC TESTING A PRELIMINARY FLUSHING SHALL BE REQUIRED THROUGH FULL DIAMETER FLUSHING OR SWABBING. PRELIMINARY FLUSHING/SWABBING SHALL BE PERFORMED PER AWWA C651 STANDARD - "DISINFECTING WATER MAINS". ALL PIPING SHALL BE THOROUGHLY CLEANED AND FLUSHED PRIOR TO TESTING TO CLEAR THE LINES OF ALL FOREIGN MATTER. WHILE THE PIPING IS BEING FILLED WITH WATER, CARE SHALL BE EXERCISED TO PERMIT THE ESCAPE OF AIR FROM EXTREMITIES ALONG THE TEST SECTION.
5. HYDROSTATIC TESTING SHALL CONSIST OF PRESSURE TEST AND LEAKAGE TEST. PIPING AND APPURTENANCES TO BE TESTED SHALL BE WITHIN SECTIONS BETWEEN VALVES, NOT EXCEEDING 2,000 FEET, UNLESS ALTERNATE METHODS HAVE RECEIVED PRIOR APPROVAL FROM CITY OF APOPKA. TESTING SHALL NOT PROCEED UNTIL CONCRETE THRUST BLOCKS ARE IN PLACE AND CURED, OR OTHER RESTRAINING DEVICES INSTALLED.
6. HYDROSTATIC TESTING SHALL BE PERFORMED AT 150 POUNDS PER SQUARE INCH PRESSURE, UNLESS OTHERWISE APPROVED BY CITY OF APOPKA, FOR A PERIOD OF NOT LESS THAN TWO (2) HOURS.
7. THE ALLOWABLE RATE OF LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR DETERMINED BY THE FOLLOWING FORMULA:

$$L = \frac{SD \cdot \sqrt{P}}{148,000}$$

WHERE:

L = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR

S = LENGTH OF PIPE TESTED, IN FEET

D = NOMINAL DIAMETER OF PIPE, IN INCHES

P = AVERAGE TEST PRESSURE DURING THE LEAKAGE TEST, IN POUNDS PER SQUARE INCH (GAUGE)

8. SHOULD THE TEST FAIL, NECESSARY REPAIRS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AND THE TEST REPEATED UNTIL WITHIN PASSING LIMITS. THE CONTRACTOR SHALL FURNISH ALL THE NECESSARY LABOR, PUMPS, GAUGES AND ALL OTHER ITEMS NECESSARY TO CONDUCT THE REQUIRED WATER DISTRIBUTION SYSTEM TESTING AND PERFORM NECESSARY REPAIRS.

SEWER SYSTEM TESTING REQUIREMENTS:

1. THE CONTRACTOR SHALL PERFORM TESTING OF ALL SANITARY SEWAGE GRAVITY COLLECTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WASTEWATER DISTRIBUTION SYSTEM.
2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.
3. GRAVITY MAINS SHALL BE INSPECTED WITH CCTV FOR ALIGNMENT, GRADE VARIATIONS, SEPARATED PIPES, LEAKS, DEFLECTION, CRACKED, BROKEN OR OTHERWISE DEFECTIVE PIPE TO ENSURE OVERALL PIPE INTEGRITY. THE APPROVED CCTV INSPECTION CONTRACTOR SHALL SUBMIT THE REPORT TO THE UTILITIES DEPARTMENT AS REQUIRED.
4. LEAKAGE TESTING FOR GRAVITY MAINS SHALL BE BY LOW-PRESSURE AIR TEST. LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURE FOR "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE" AS ESTABLISHED BY THE UNI-BELL PVC PIPE ASSOCIATION.
5. EACH GRAVITY MAIN LEAKAGE TEST SECTION SHALL NOT EXCEED 400 FEET IN LENGTH AND SHALL BE TESTED BETWEEN ADJACENT MANHOLES.

LOCATION OF PUBLIC WATER SYSSYM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)			
Vacuum Sanitary Sewer			
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)			
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
- (2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
- (3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
- (4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

FDEP UTILITY CONSTRUCTION NOTES:

1. NOTE TO THE UTILITY: PURSUANT TO 62-555.345; DO NOT PROVIDE WATER SERVICE TO THIS PROJECT (OTHER THAN FLUSHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY SHALL BE SUBJECT TO ENFORCEMENT ACTION.
2. THE PERMITTEE WILL PROMPTLY NOTIFY THE DEPARTMENT UPON SALE OR LEGAL TRANSFER OF THE PERMITTED FACILITY.
3. ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, F.A.C.
4. ALL WATER MAIN PIPE, INCLUDING FITTINGS SHALL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM RECLAIMED OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL 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 STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL 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 PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE.

FDEP UTILITY SEPARATION REQUIREMENTS

(62-555.314, F.A.C. LOCATION OF PUBLIC WATER SYSTEM MAINS)

FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER; FIRE HYDRANT LEADS; AND SERVICE LINES THAT ARE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER.

- (1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a)

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THEOUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b)

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c)

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d)

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a)

NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b)

NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c)

AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

- (3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.

- (a)

NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.
- (b)

EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

- (4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

CIVIL ENGINEERING I LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5688

2221 Lee Road, Suite 217, West Palm Beach, Florida 33411

2221 Lee Road, Suite 217, West Palm Beach, Florida 33411

UTILITY NOTES

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA

DESIGNED: O. SANCHEZ

CHECKED: O. SANCHEZ

DATE: 2/14/25

SCALE: N.T.S.

PROJECT: DDC-001

SHEET: C.4.0

APPIAN ENGINEERING

FLORIDA PROFESSIONAL ENGINEER

No. 86492

STATE OF FLORIDA

21405

Call 48 hours before you dig

It's the Law!

1-800-432-4770

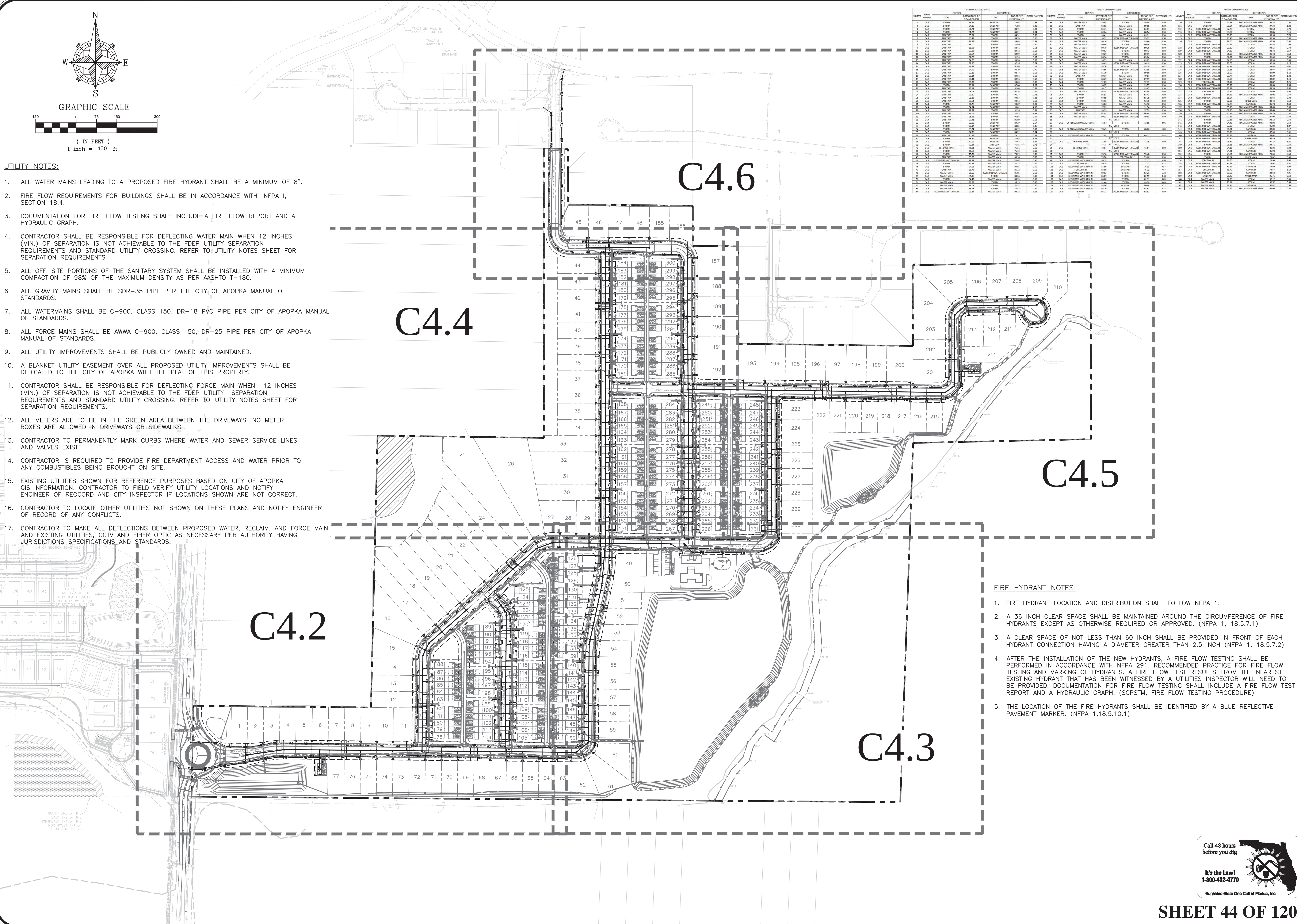
Sunshine State One Call of Florida, Inc.

FLORIDA PROFESSIONAL ENGINEER

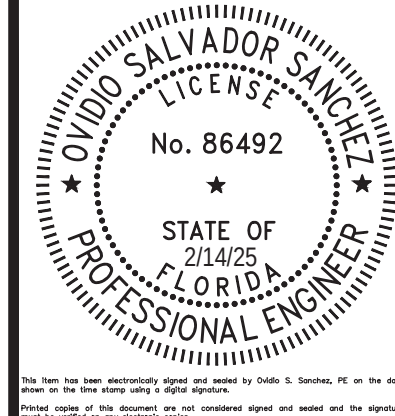
No. 86492

STATE OF FLORIDA

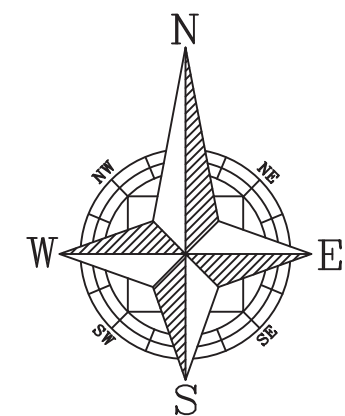
21405



DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/14/25	
SCALE 1" = 150'		PROJECT DDC-001		SHEET C4.1			
APPIAN ENGINEERING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Winter Park, Florida 32789	
OVERALL UTILITY PLAN		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Winter Park, Florida 32789	
REV.		DATE		DESCRIPTION		BY	

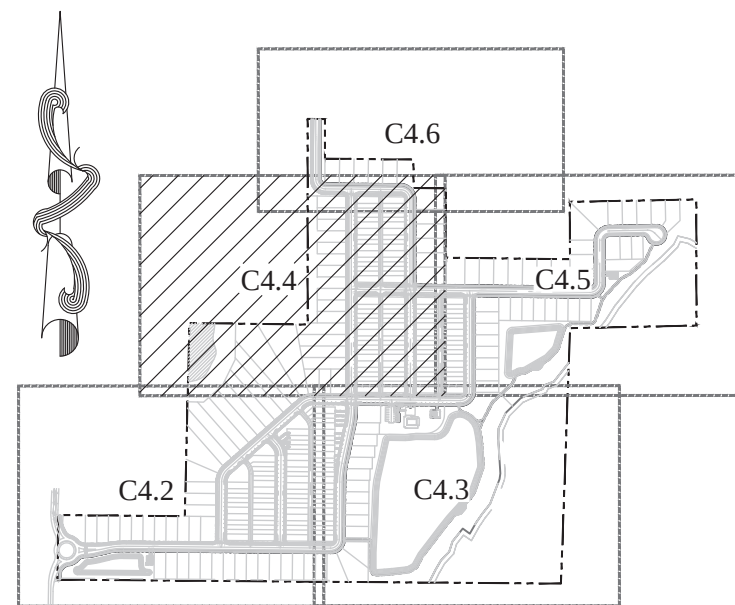


P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD\Civil3D\Layouts\04 Final Engineering\UTILITY PLAN.dwg Modified:12/11/2024 By:osanchez



GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.



KEY MAP

SHEET C4.6
SHEET C4.4

SHEET C4.4
SHEET C4.5

SHEET C4.4
SHEET C4.2

SHEET C4.4
SHEET C4.3

SHEET 47 OF 120

Call 48 hours
before you dig

It's the Law!
1-800-432-4770

Sunshine State One Call of Florida, Inc.



CIVIL ENGINEERING | LAND PLANNING

APIAN ENGINEERING LLC.

APIANFL.COM • 407.960.5668

2221 Lee Road, Suite 217, Winter Park, Florida 32789

DESCRIPTION

REV.

DATE

BY

UTILITY PLAN - NORTHWEST

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN:

B. KILLELA

DESIGNED:

O. SANCHEZ

CHECKED:

O. SANCHEZ

DATE:

2/14/25

SHEET

C4.4

SCALE

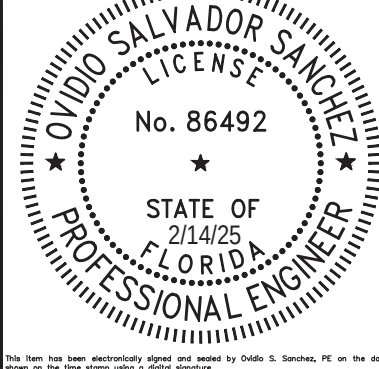
1" = 50'

PROJECT

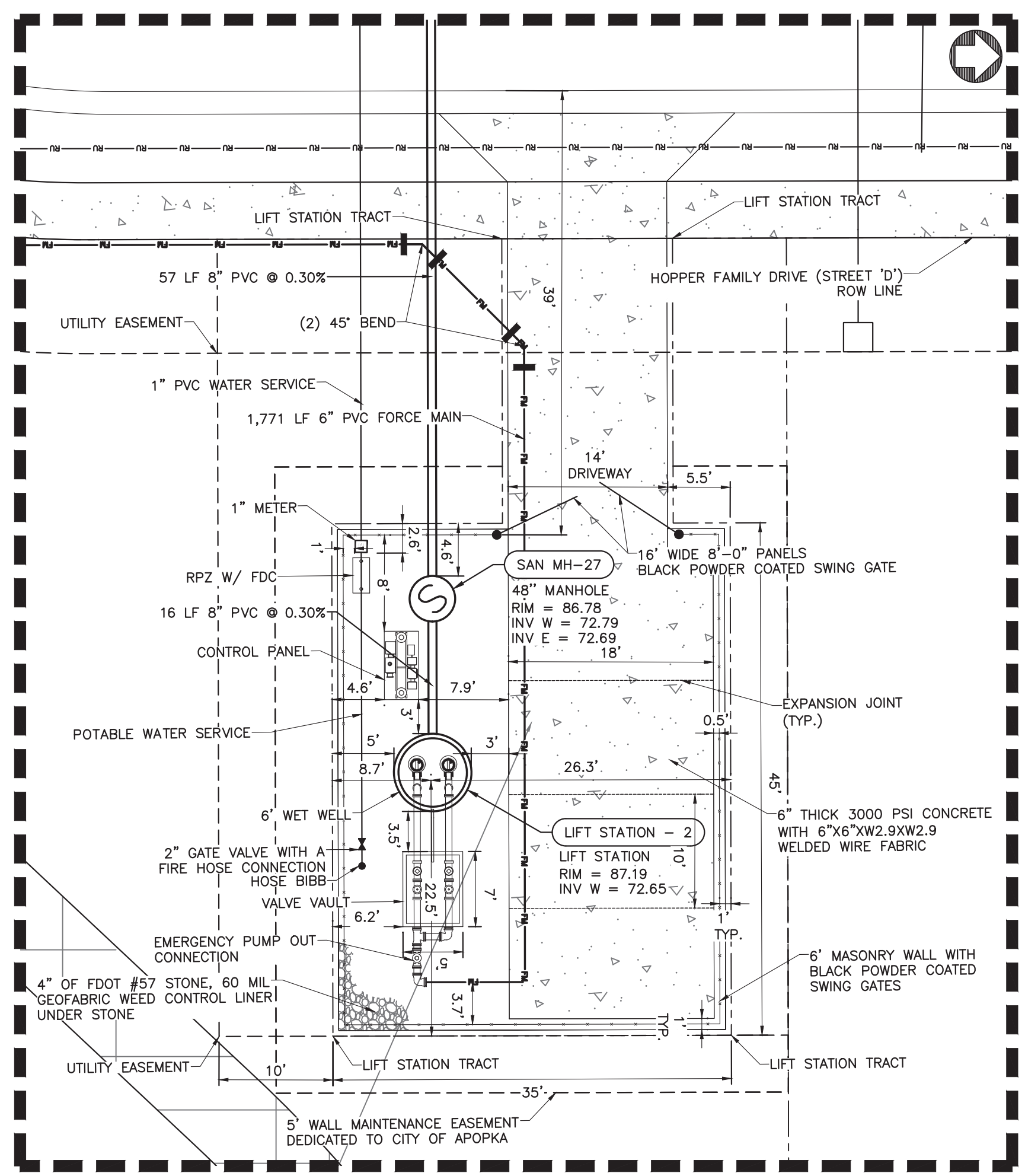
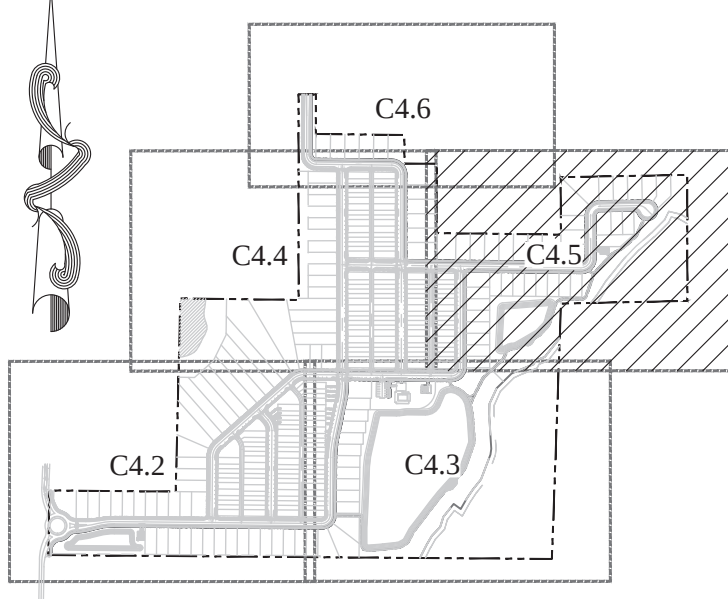
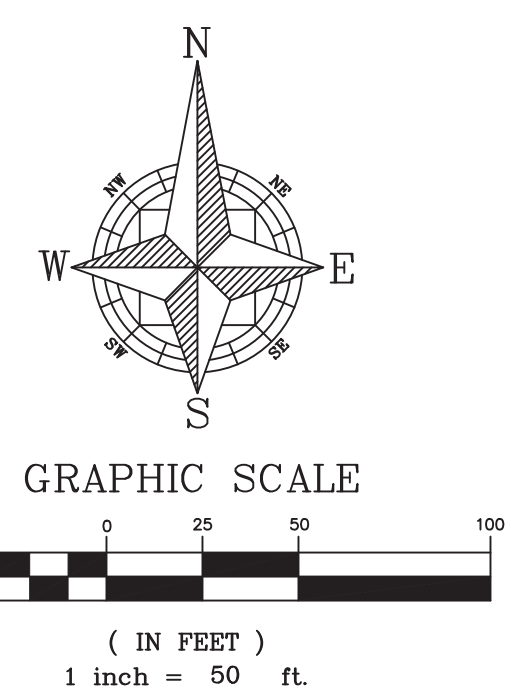
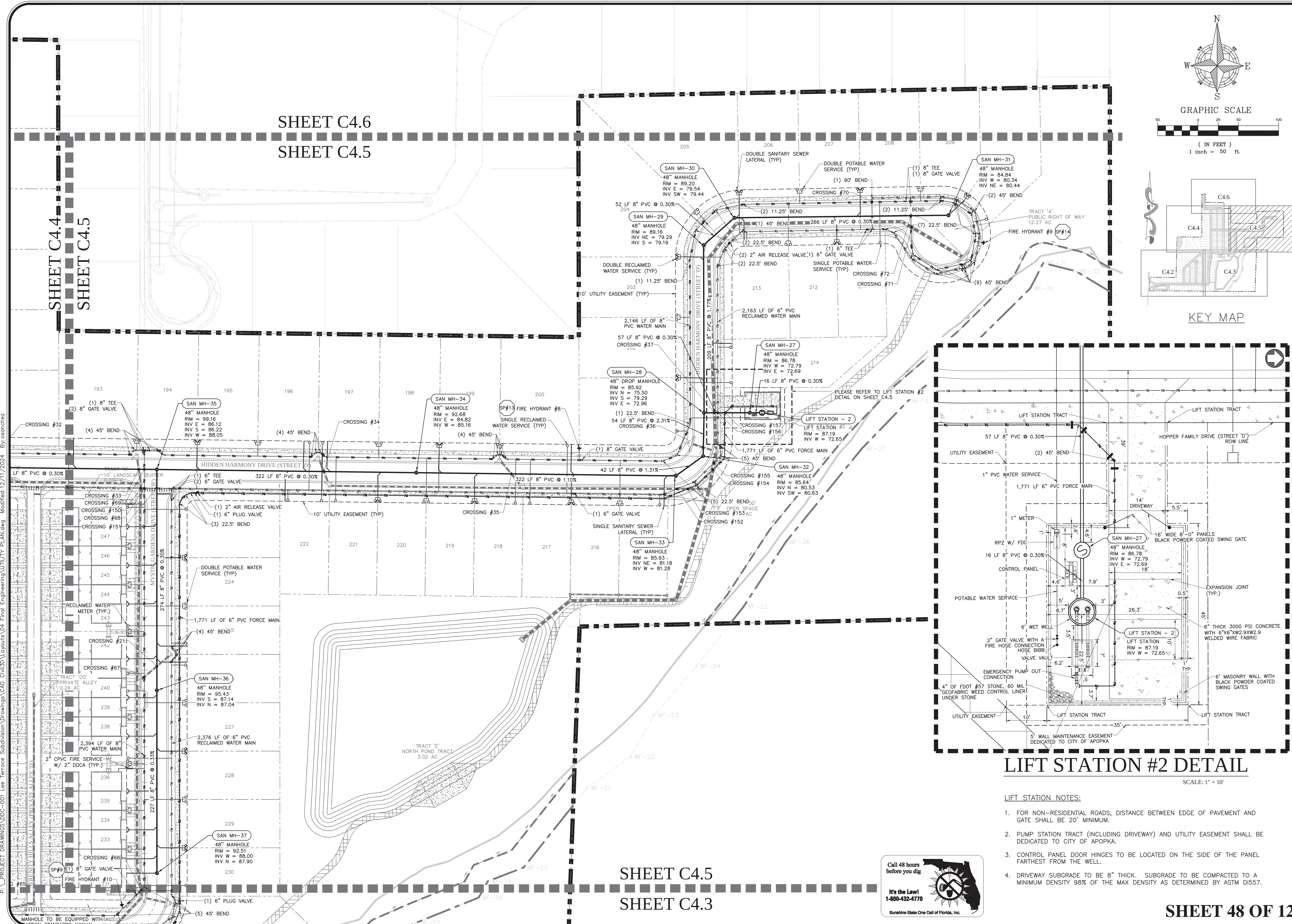
DDC-001

PROJECT

DDC-001



P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D Layouts\04 Final Engineering\UTILITY PLAN.dwg Modified: 12/11/2024 By: asanchez

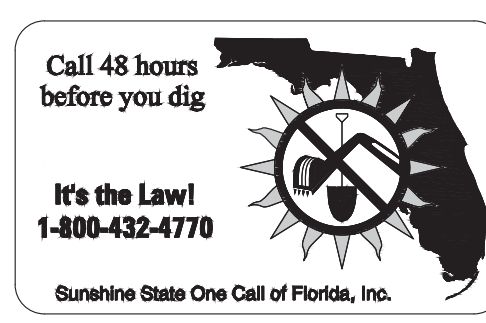


LIFT STATION #2 DETAIL

SCALE: 1" = 10'

LIFT STATION NOTES:

- FOR NON-RESIDENTIAL ROADS, DISTANCE BETWEEN EDGE OF PAVEMENT AND GATE SHALL BE 20' MINIMUM.
- PUMP STATION TRACT (INCLUDING DRIVEWAY) AND UTILITY EASEMENT SHALL BE DEDICATED TO CITY OF APOPKA.
- CONTROL PANEL DOOR HINGES TO BE LOCATED ON THE SIDE OF THE PANEL FARTEST FROM THE WELL.
- DRIVEWAY SUBGRADE TO BE 8" THICK. SUBGRADE TO BE COMPACTED TO A MINIMUM DENSITY 98% OF THE MAX DENSITY AS DETERMINED BY ASTM D1557.

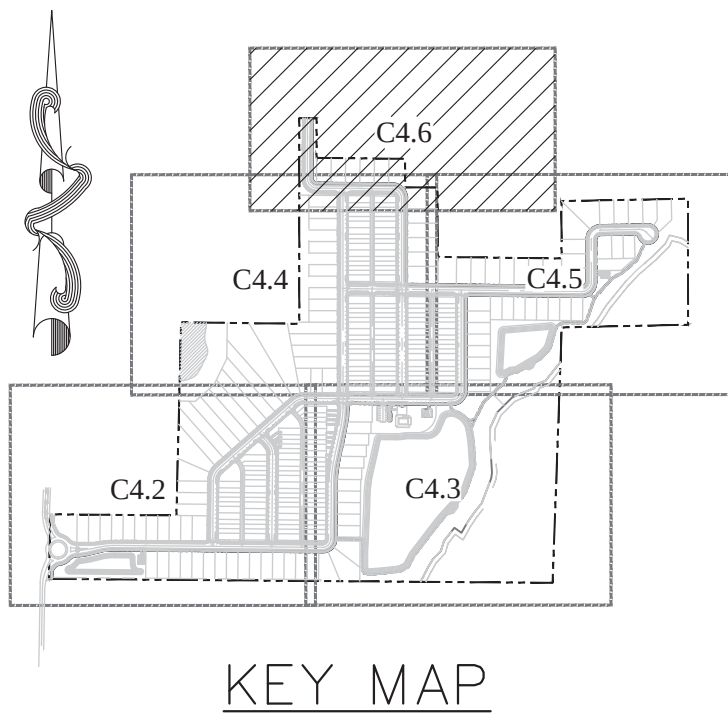
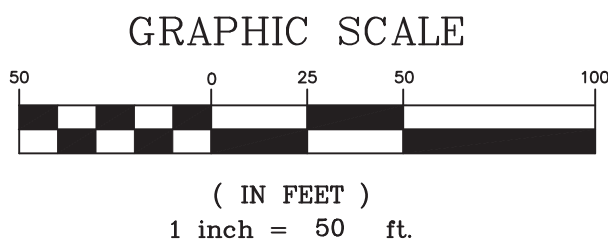
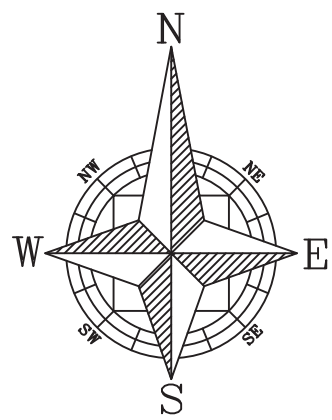
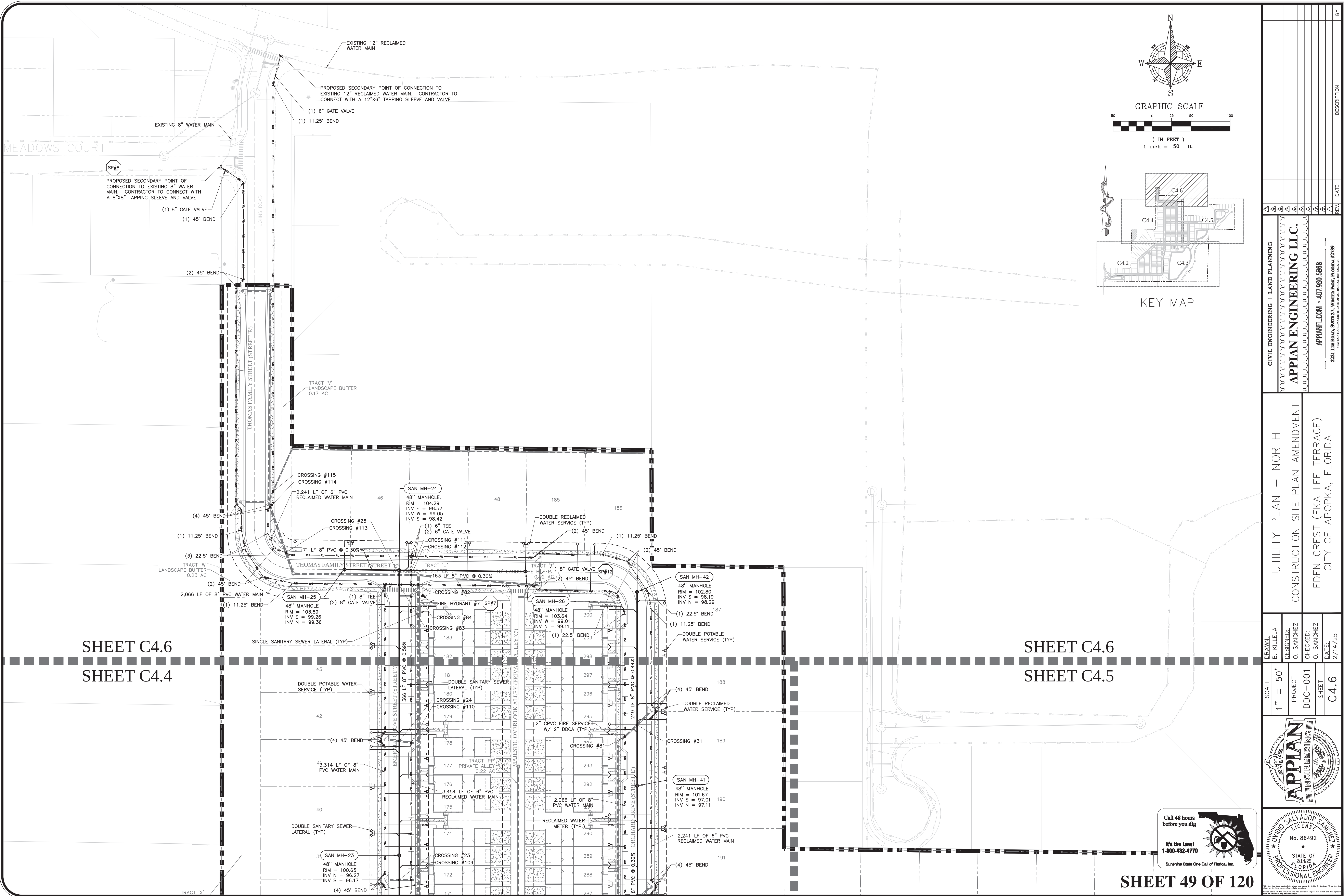


SHEET C4.5
SHEET C4.3

CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
APPIANFL.COM • 407.960.5868	
2221 Lee Road, Suite 201, Winter Park, Florida 32789	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED	
PROJECT	UTILITY PLAN - NORTHEAST
CONSTRUCTION SITE PLAN AMENDMENT	
EDEN CREST (FKA LEE TERRACE)	
CITY OF APOPKA, FLORIDA	
DRAWN BY	B. KILLELA
DESIGNED BY	O. SANCHEZ
CHECKED BY	O. SANCHEZ
DATE	2/14/25
SCALE	1" = 50'
PROJECT	DDC-001
SHEET	C4.5

APPIAN ENGINEERING

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\UTILITY PLAN.dwg Modified:12/11/2024 By:osanchez

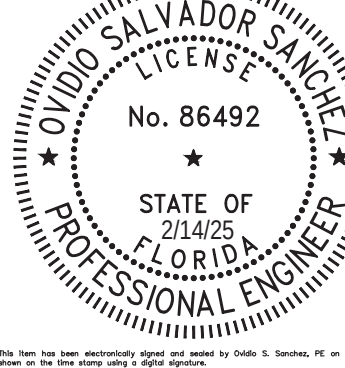


SHEET C4.6
SHEET C4.4

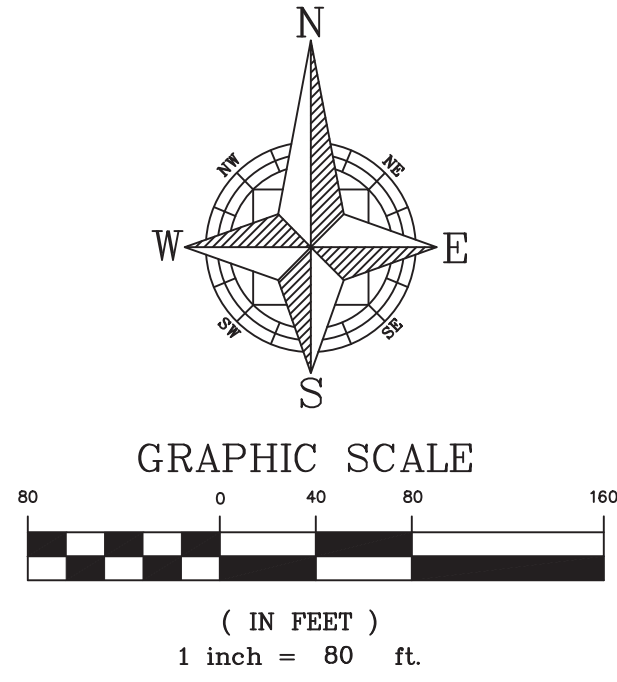
SHEET C4.6
SHEET C4.5



SHEET 49 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		DATE	BY
UTILITY PLAN – NORTH		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		REV	DESCRIPTION
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		2/14/25	
SCALE: 1" = 50'		PROJECT: DDC-001		SHEET: C4.6			
							

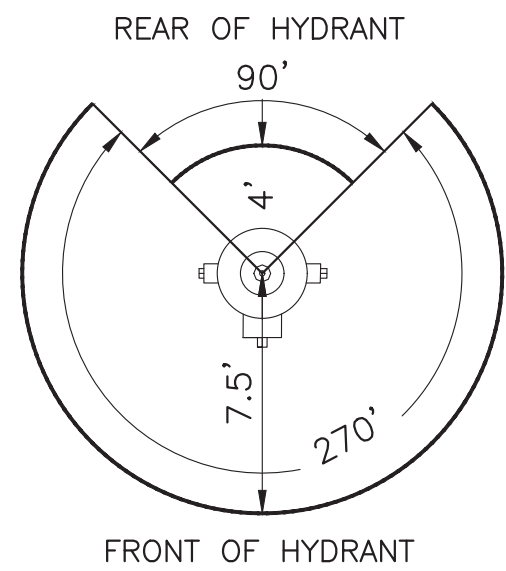
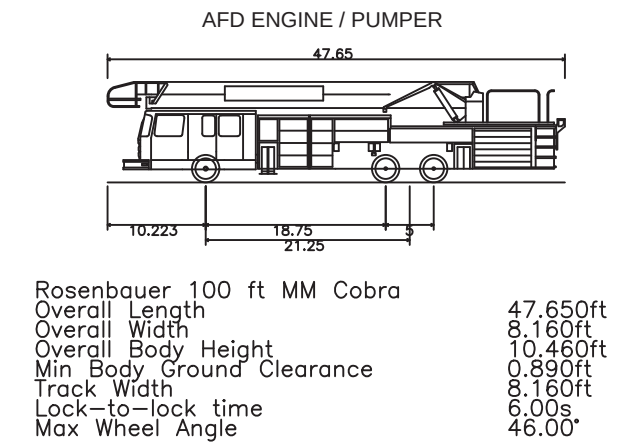
P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD\Civil3D\Layouts\04 Final Engineering\FIRE TRUCK ROUTE PLAN.dwg Modified: 12/11/2024 By: asanchez



- LEGEND**
- PROPERTY BOUNDARY
 - FIRE HYDRANT 500' RADIUS

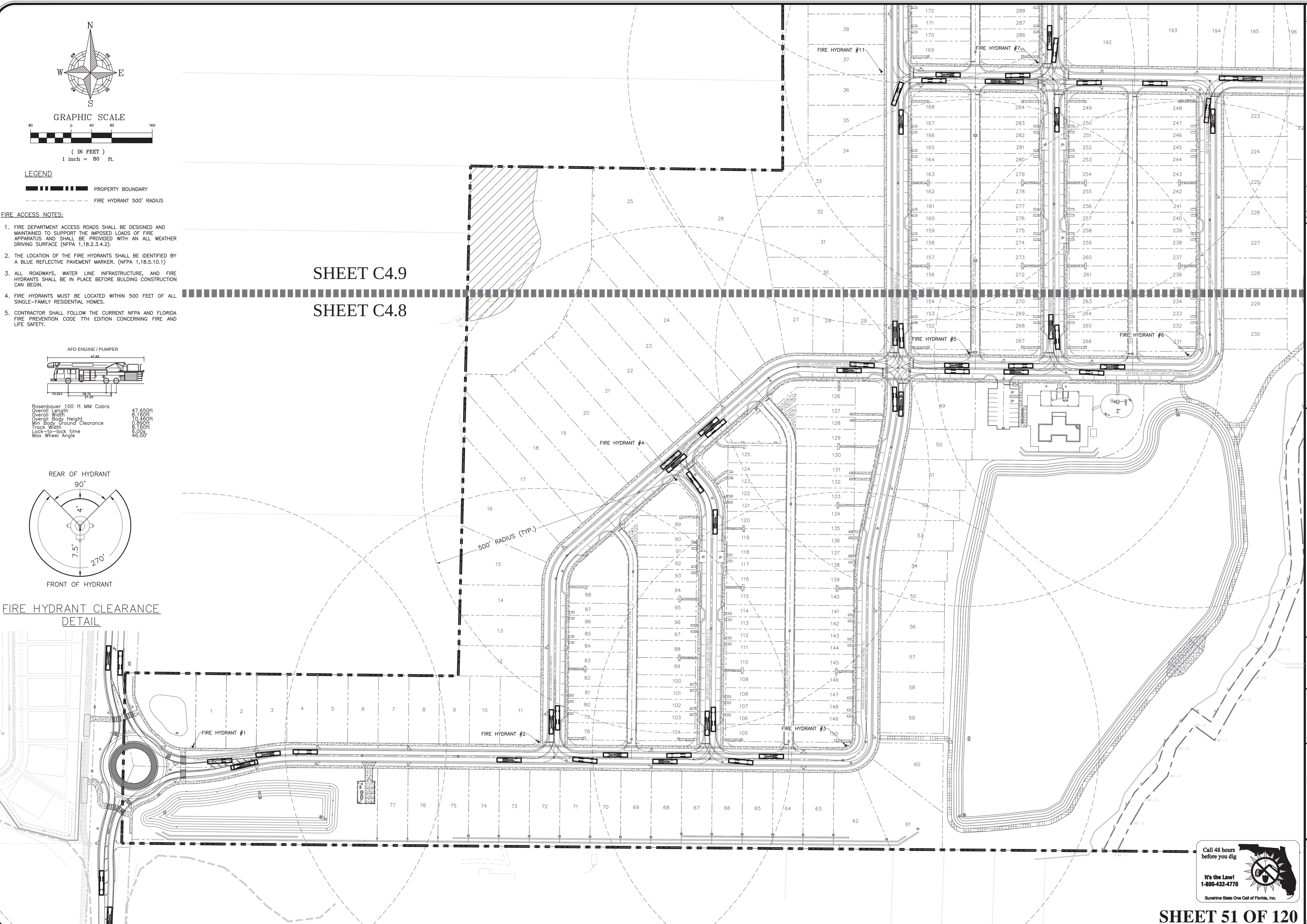
FIRE ACCESS NOTES:

- FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
- THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
- ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION CAN BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
- CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.



**FIRE HYDRANT CLEARANCE
DETAIL**

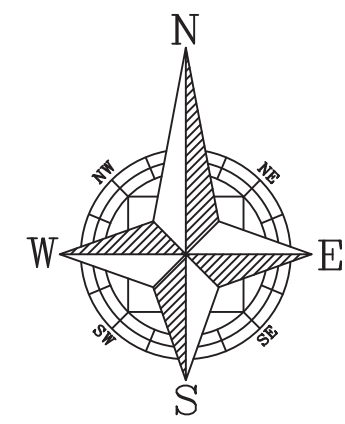
SHEET C4.9
SHEET C4.8



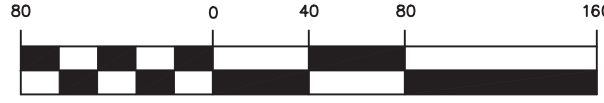
SHEET 51 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 217, Weston, FL 33327		STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 12789	
FIRE TRUCK ROUTE PLAN – SOUTH		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA			
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25	SCALE: 1" = 80'		PROJECT: DDC-001		SHEET: C4.8	

P:_PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\FIRE TRUCK ROUTE PLAN.dwg Modified: 12/11/2024 By: osanchez



GRAPHIC SCALE



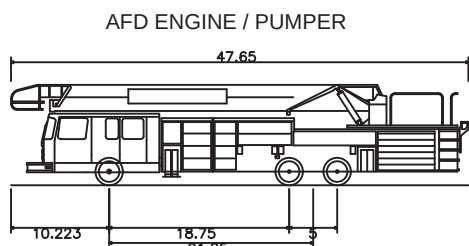
(IN FEET)
1 inch = 80 ft.

LEGEND

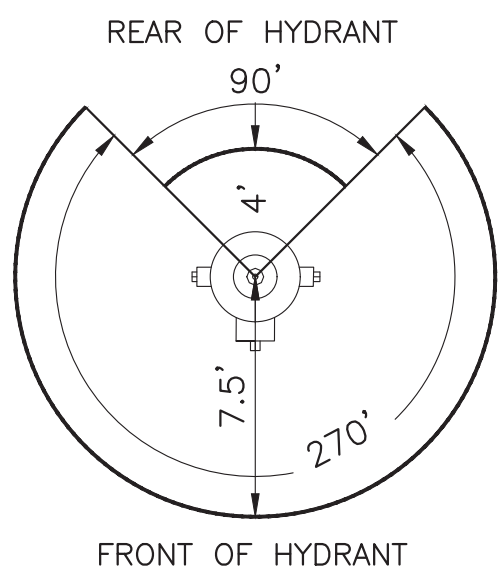
- PROPERTY BOUNDARY
- FIRE HYDRANT 500' RADIUS

FIRE ACCESS NOTES:

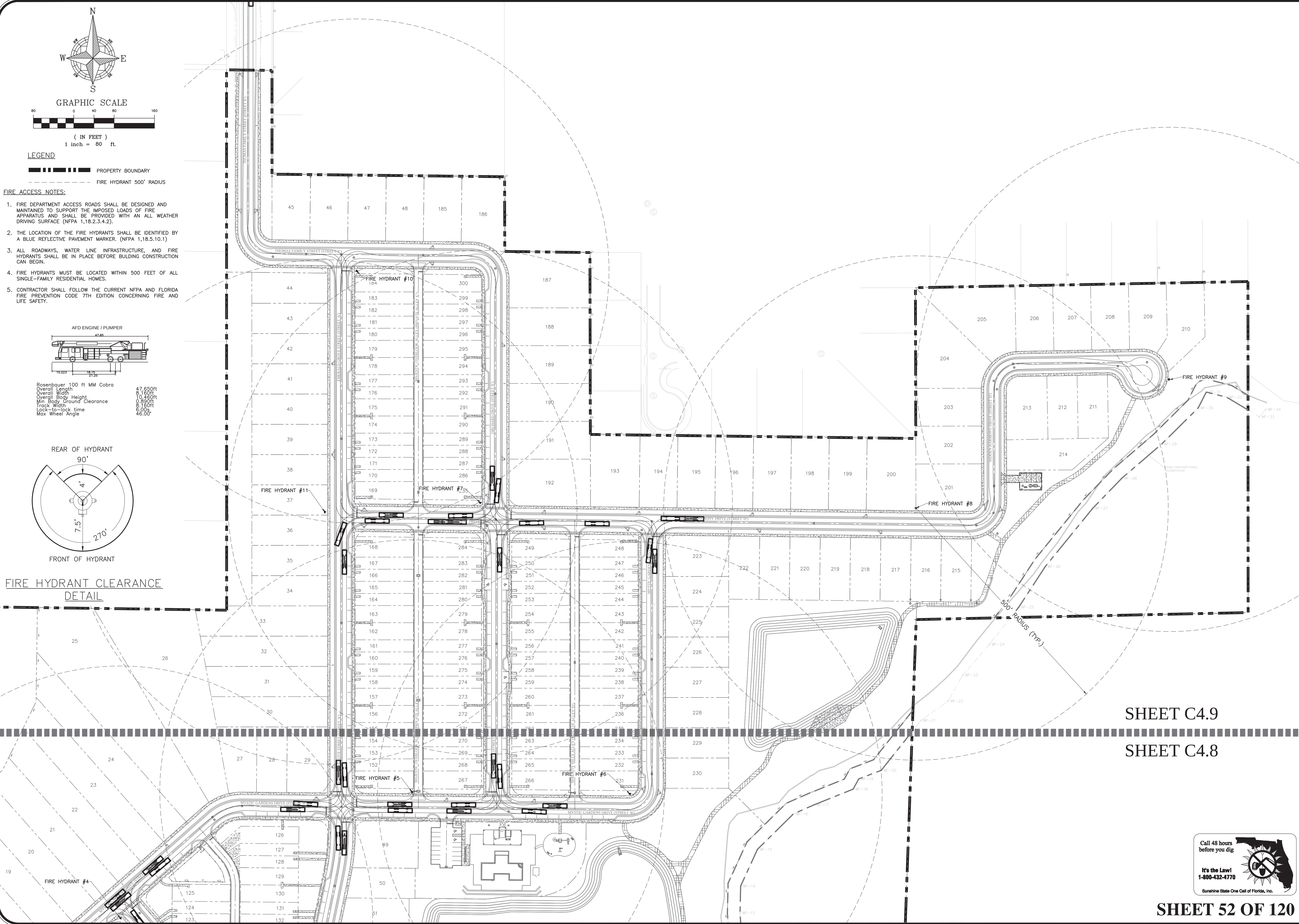
- FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
- THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
- ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION CAN BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
- CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.



Rosenbauer 100 ft MM Cobra
Overall Length 47.650ft
Overall Width 8.160ft
Overall Body Height 10.450ft
Min. Body Ground Clearance 0.890ft
Track Width 8.060ft
Look-to-lock time 8.00s
Max Wheel Angle 46.00°



FIRE HYDRANT CLEARANCE
DETAIL



SHEET C4.9

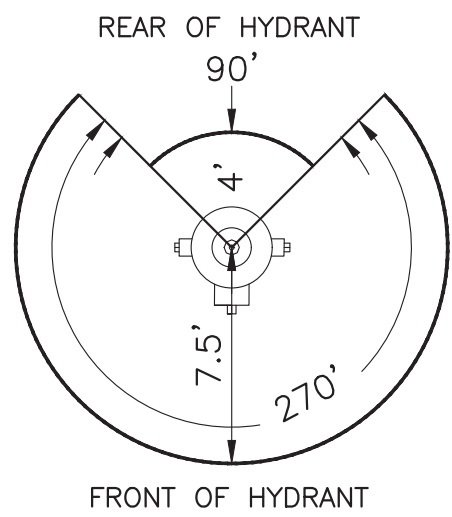
SHEET C4.8

SHEET 52 OF 120



CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2211 Lee Road, Suite 217, Wynnton Park, Brown, 32789		2211 Lee Road, Suite 217, Wynnton Park, Brown, 32789	
FIRE TRUCK ROUTE PLAN – NORTH		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		BY	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25	DESCRIPTION	
SCALE:	1" = 80'	PROJECT:	DDC-001	SHEET:	C4.9				
APPIAN ENGINEERING		CIVIL ENGINEER		STATE OF FLORIDA		21402		PROFESSIONAL ENGINEER	
APPIAN ENGINEERING		CIVIL ENGINEER		STATE OF FLORIDA		21402		PROFESSIONAL ENGINEER	

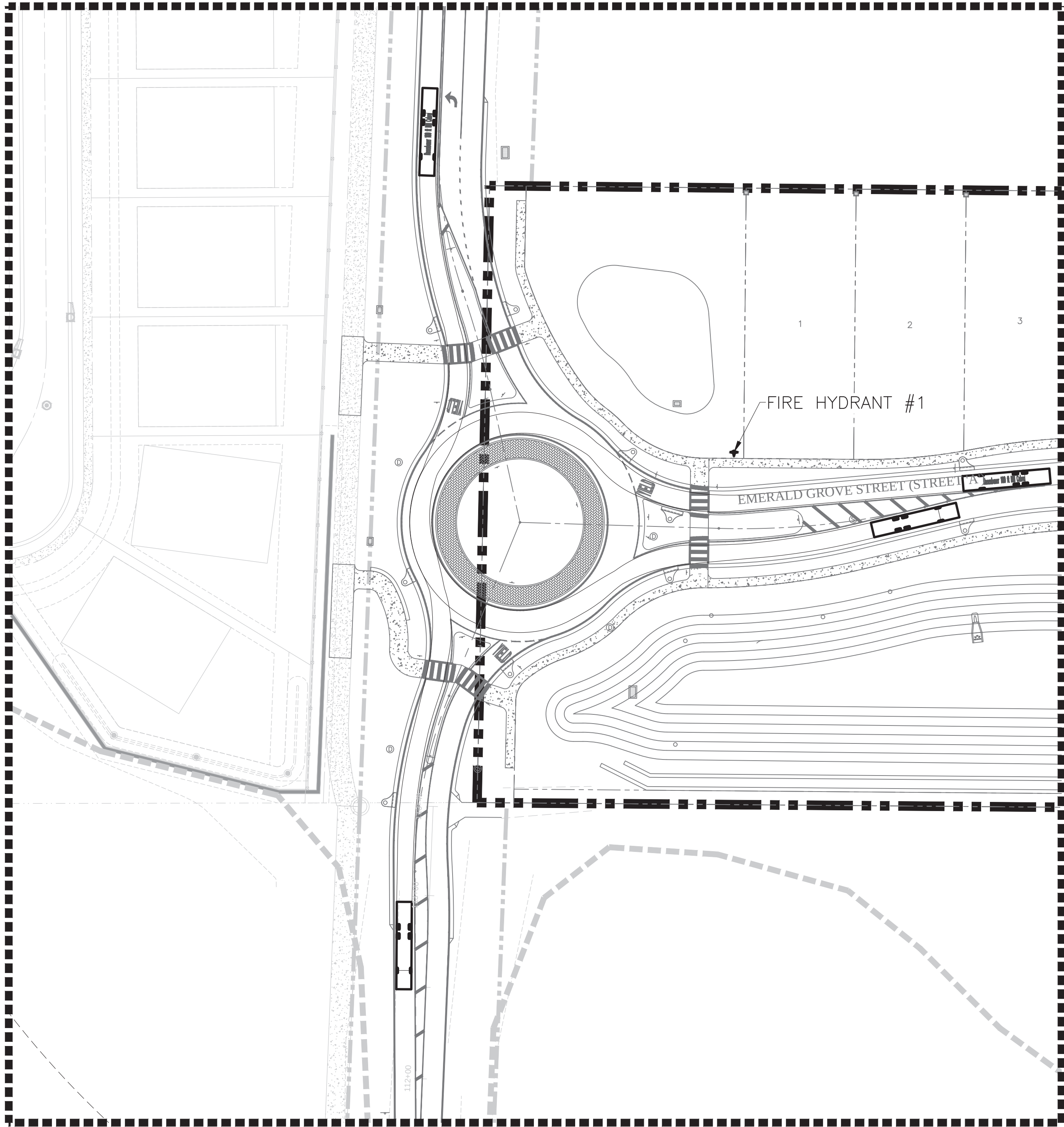
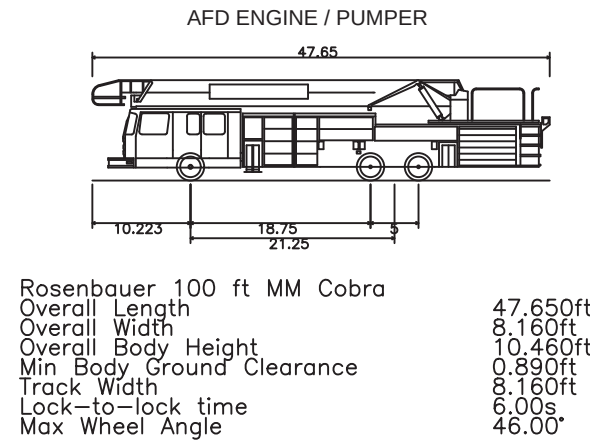
P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD\Civil3D\Layouts\04 Final Engineering\FIRE TRUCK ROUTE PLAN.dwg Modified: 12/11/2024 By: osanchez



FIRE HYDRANT CLEARANCE
DETAIL

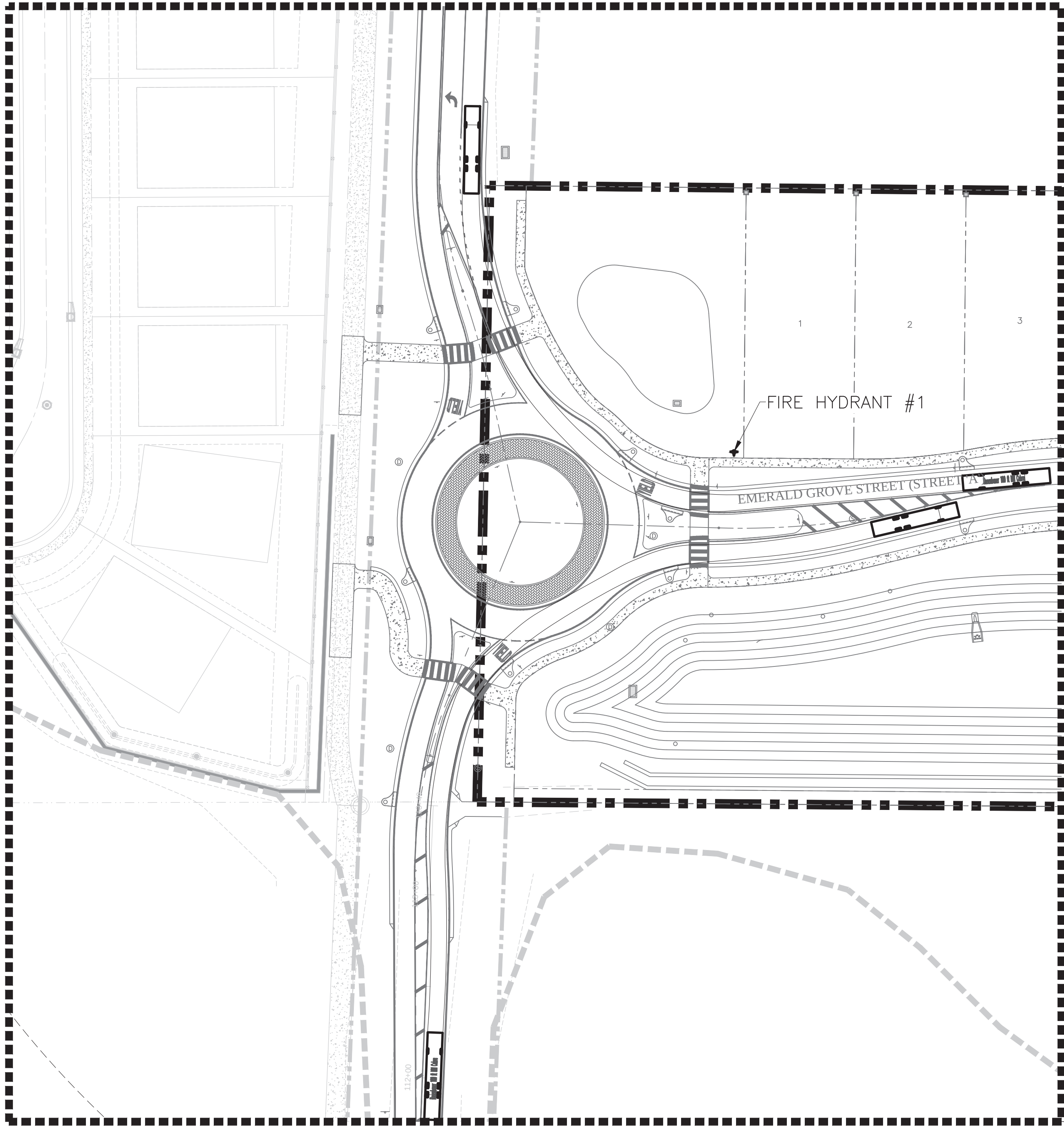
FIRE ACCESS NOTES:

1. FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
2. THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
3. ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION CAN BEGIN.
4. FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
5. CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.



ROUNDAABOUT FIRE TRUCK DETAIL #1 – LEFT-TURN MOVEMENTS

SCALE: 1" = 40'

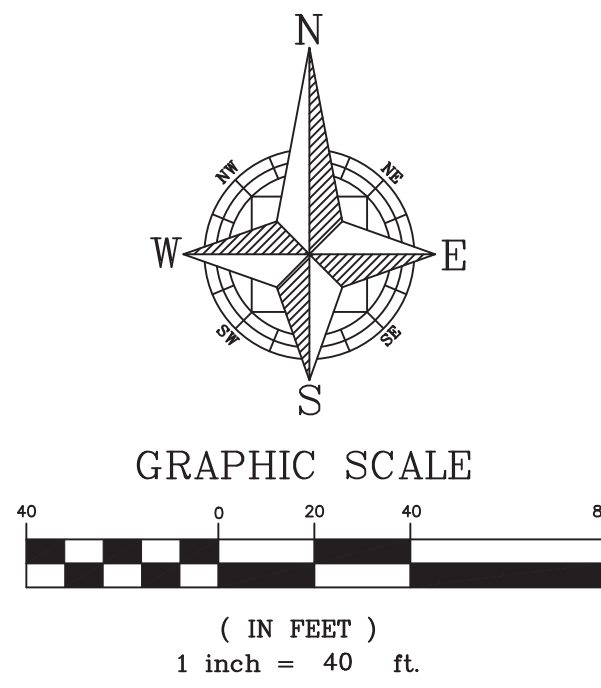


ROUNDAABOUT FIRE TRUCK DETAIL #2 – RIGHT-TURN MOVEMENTS

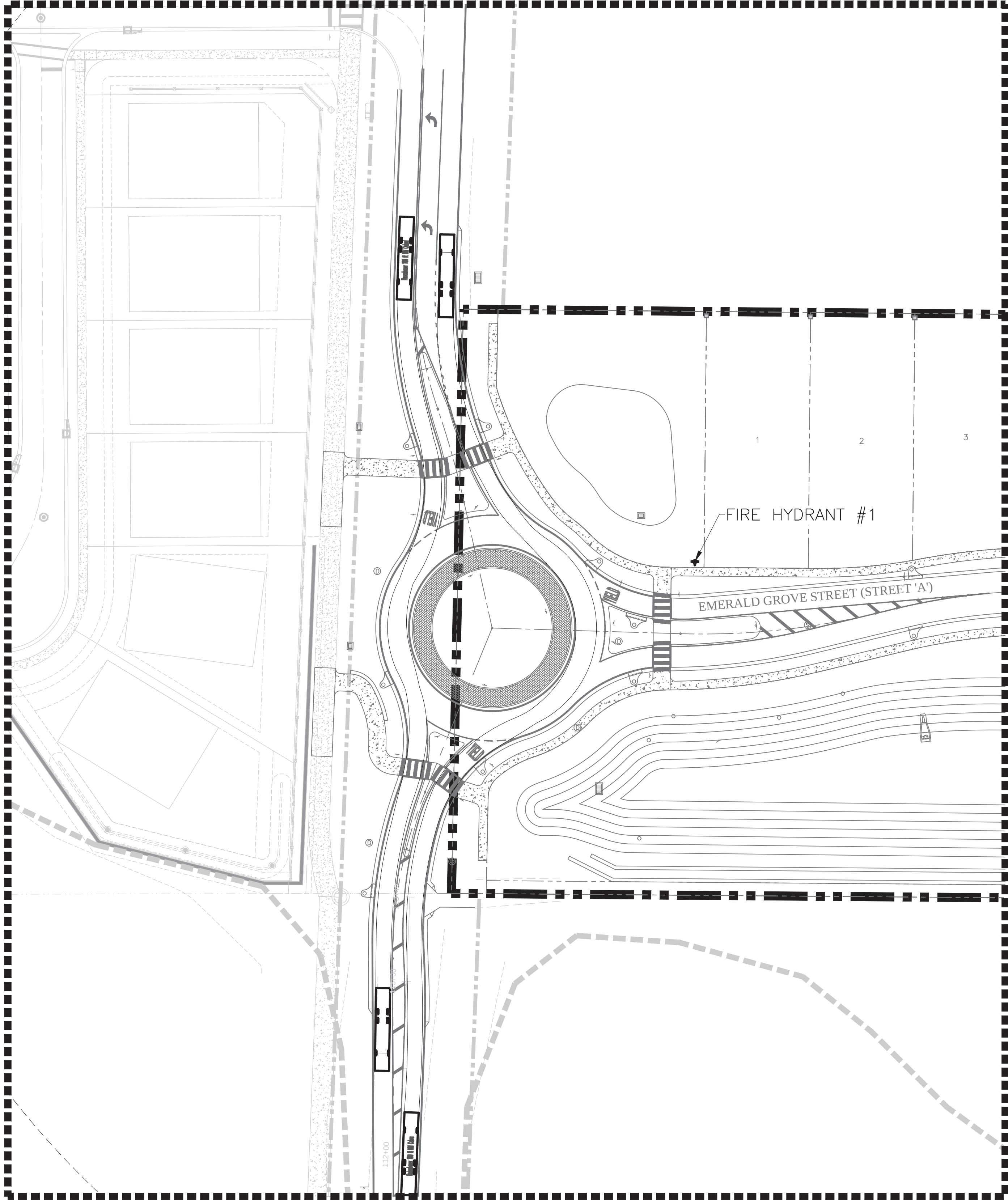
SCALE: 1" = 40'

LEGEND

- PROPERTY BOUNDARY
- FIRE HYDRANT 500' RADIUS

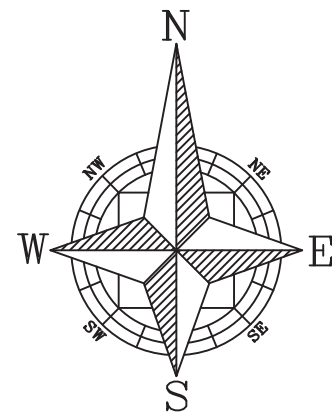


CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 217, Winter Park, Florida 32789		DATE		BY	
FIRE TRUCK ROUTE PLAN –		ROUNDAABOUT DETAILS		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DESCRIPTION	
SCALE	1" = 40'	DRAWN	B. KILLELA	DESIGNED	O. SANCHEZ	CHECKED	O. SANCHEZ	DATE	2/14/25	SHEET	
PROJECT	DDC-001	SHEET		C4.10							
APPIAN ENGINEERING		FLORIDA PROFESSIONAL ENGINEER		No. 86492		STATE OF FLORIDA		21405		PROFESSIONAL ENGINEER	
Call 48 hours before you dig		It's the Law!		1-800-432-4770		Sunshine State One Call of Florida, Inc.					

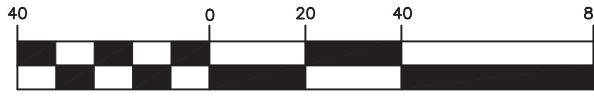


ROUNABOUT FIRE TRUCK DETAIL #3 – THROUGH MOVEMENTS

SCALE: 1" = 40'



GRAPHIC SCALE



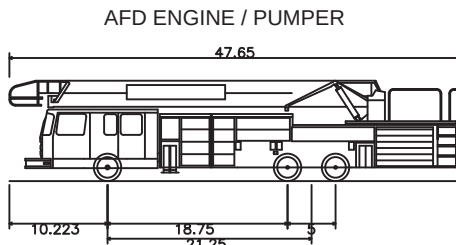
(IN FEET)
1 inch = 40 ft.

LEGEND

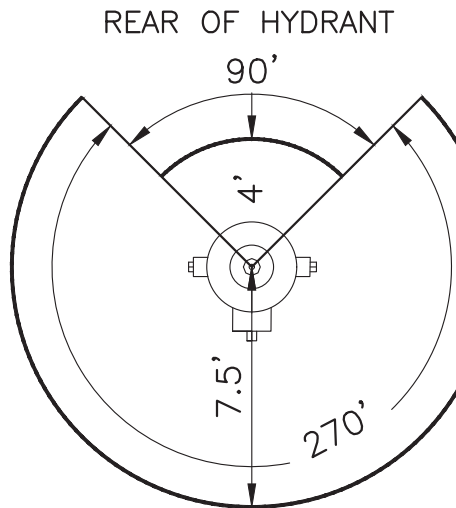
- PROPERTY BOUNDARY
- FIRE HYDRANT 500' RADIUS

FIRE ACCESS NOTES:

- FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
- THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
- ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION CAN BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
- CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.



Rosenbauer 100 ft MM Cobra
Overall Length 47.650ft
Overall Width 10.225ft
Overall Body Height 18.75ft
Min Body Ground Clearance 4.75ft
Track Width 10.225ft
Lock-to-lock time 6.005
Max Wheel Angle 46.00°



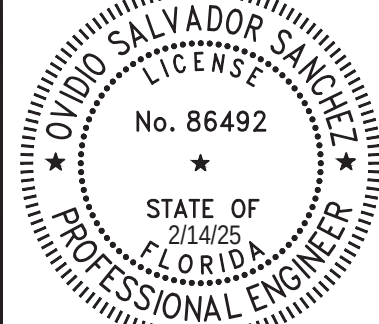
REAR OF HYDRANT
FRONT OF HYDRANT

FIRE HYDRANT CLEARANCE
DETAIL

Call 48 hours
before you dig

It's the Law!
1-800-432-4770

Sunshine State One Call of Florida, Inc.



FIRE TRUCK ROUTE PLAN –
ROUNABOUT DETAILS
CONSTRUCTION SITE PLAN AMENDMENT
EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

DRAWN:
B. KILLELA
DESIGNED:
O. SANCHEZ
CHECKED:
O. SANCHEZ
DATE:
2/14/25

SCALE
1" = 40'
PROJECT
DDC-001
SHEET
C4.11

CIVIL ENGINEERING | LAND PLANNING
APIAN ENGINEERING LLC.
APIANFL.COM • 407.960.5868
2221 Lee Road, Suite 217, Winter Park, Florida 32789
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND NOT FOR DISTRIBUTION OUTSIDE THE PROJECT.

REV. DATE DESCRIPTION

GRADING NOTES:

1. FINISHED FLOOR TO BE SET 18" ABOVE THE ELEVATION OF 100 YEAR FLOOD FOR THOSE LOTS LOCATED IN SPECIAL FLOOD HAZARD AREA.
2. ALL GRADING LOTS SHALL PROVIDE A MINIMUM OF 2.0% SLOPE AWAY FROM THE HOUSE FOR A MINIMUM OF 5 FEET ON ALL SIDES.
3. PER OWNERS REPRESENTATIVE, A TURN DOWN FOOTER UP TO 32" IS PERMISSIBLE AS OPPOSED TO A STEM WALL.
4. PROPOSED FINISHED FLOOR WITH STEM WALL OR TURN DOWN FOOTER MUST HAVE THE DRIVEWAY BE LOCATED ON THE HIGH SIDE OF LOT.
5. FINISH FLOOR TO BE SET 1' ABOVE THE DESIGN HIGH WATER ELEVATION OF ADJACENT STORMWATER RETENTION/DETENTION PONDS.
6. PER CITY OF APOPKA DESIGN GUIDELINES, NO LOTS SHALL BE ALLOWED TO DRAIN ACROSS ADJACENT LOTS.
7. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD. POND BOTTOM TO BE SEEDED AND MULCHED.
8. CONTRACTOR IS TO ENSURE THE CONSERVATION AREAS AND UPLAND BUFFERS ARE TO REMAIN UNDISTURBED DURING CONSTRUCTION EXCEPT AS SHOWN ON THE PLANS. ALL CONSTRUCTION, DUMPING AND DISTURBANCE TO THE SOILS AND VEGETATION INCLUDING MOWING, TRIMMING AND REMOVAL IS PROHIBITED.

REAR YARD DRAIN NOTES:

1. EACH INDIVIDUAL LOT SHALL HAVE A CONVEYANCE SWALE WITH A MINIMUM DEPTH OF ONE FOOT (1') ADJACENT TO A RETAINING WALL.
2. REAR YARD DRAINS SHALL BE DESIGNED TO PREVENT STORMWATER DRAINAGE FROM FLOWING OVER TOP OF RETAINING WALLS.
3. ALL REAR YARD DRAINS SHALL HAVE A CONCRETE COLLAR.
4. ALL REAR YARD DRAINS SHALL BE A MINIMUM OF 12", AND GRATES SHALL MEET H-20 LOAD RATING FOR PEDESTRIAN TRAFFIC.

RETAINING WALL NOTES:

1. A 42-INCH DECORATIVE RAILING/FENCE IS REQUIRED FOR ALL PORTIONS OF RETAINING WALLS DESIGNED AS GREATER THAN 30 INCHES IN HEIGHT.
2. REFER TO RETAINING WALL STRUCTURAL DESIGN PLANS AND CALCULATIONS BEING SUBMITTED WITH THE CONSTRUCTION SITE PLAN.
3. THE HOME OWNERS ASSOCIATION SHALL MAINTAIN ALL RETAINING WALLS.

TURN DOWN FOOTER (THICKENED EDGE OR STEMWALL) NOTES:

1. ALL TURN DOWN FOOTER ELEVATION CALL OUTS ARE AT THE GROUND ELEVATION.
2. ALL GROUND ELEVATIONS AT THE CORNER OF THE BUILDING PAD WHERE NO TURN DOWN FOOTER IS PRESENT SHALL BE THE FINISH FLOOR ELEVATION MINUS THE BUILDING PAD THICKNESS (8" TYPICALLY) UNLESS OTHERWISE NOTED.
3. A MINIMUM OF 2.0% SLOPE AWAY FROM ALL TURN DOWN FOOTER SHALL BE PROVIDED FOR A MINIMUM DISTANCE OF 5 FEET ON ALL SIDES. THE MAXIMUM SLOPE AWAY FROM THE TURN DOWN FOOTER SHALL NOT EXCEED 25.0%.

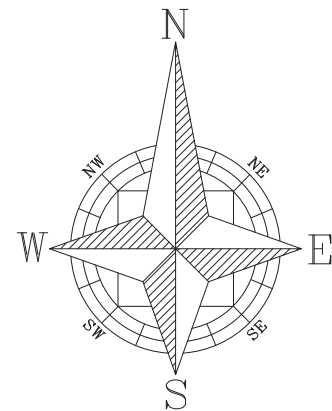
C5.5

C5.3

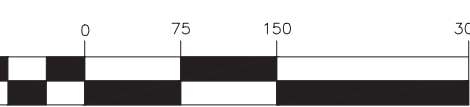
C5.1

C5.4

C5.2



GRAPHIC SCALE



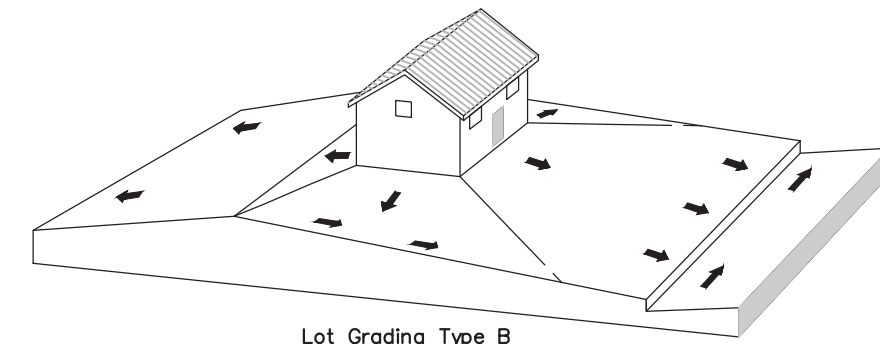
(IN FEET)
1 inch = 150 ft.

SOILS LEGEND:

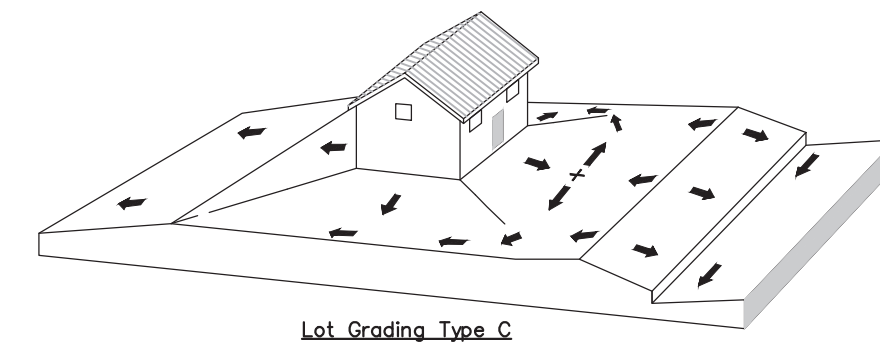
- SOILS LINE
- 4 CANDLER FINE SAND, 0 TO 5% SLOPES (HYD: A)
 - 5 CANDLER FINE SAND, 5 TO 12% SLOPES (HYD: A)
 - 6 CANDLER-APOPKA FINE SANDS, 5 TO 12% SLOPES (HYD: A)
 - 21 LAKE FINE SAND, 0 TO 5% SLOPES (HYD: A)
 - 42 SANIBEL MUCK (HYD: A/D)
 - 99 WATER



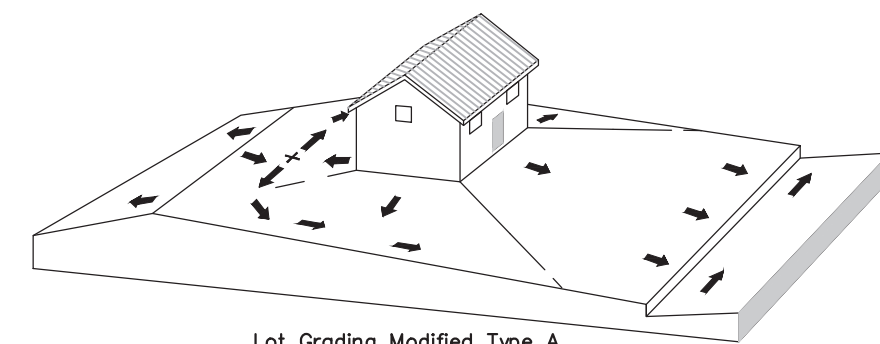
Lot Grading Type A
Drainage Directed Toward Front of Building



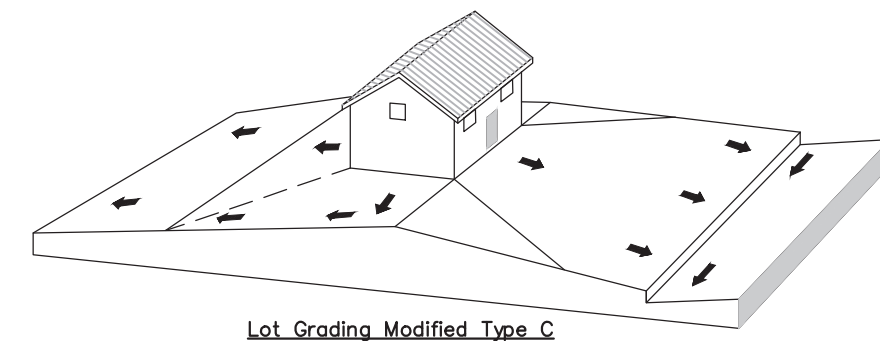
Lot Grading Type B
Drainage Directed Toward Front and Rear of Building



Lot Grading Type C
Drainage Directed Toward Rear of Building



Lot Grading Modified Type A
Drainage Directed Toward Front and Rear of Building
with Grade Break Near Rear of Lot



Lot Grading Modified Type C
Drainage Directed Toward Rear of Building
with Grade Break at Front Setback

LOT ELEVATION (TYP.)

FINISHED FLOOR ELEVATION

GROUND ELEVATION AT BUILDING PAD

THICKENED EDGE
OR STEMWALL
LOCATION

2.0%
(MIN)

4:1
(MAX)

THICKENED EDGE OR
STEMWALL HEIGHT VARIES
(TO BE CONSTRUCTED
WITH EACH INDIVIDUAL
LOT BUILDING PERMIT)

Call 48 hours
before you dig
It's the Law!
1-800-432-4770
Sunshine State One Call of Florida, Inc.



SHEET 55 OF 120

CIVIL ENGINEERING | LAND PLANNING
APPLAN ENGINEERING LLC.

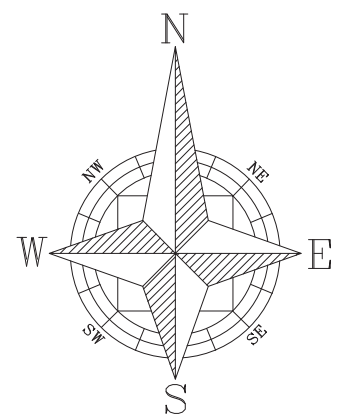
OVERALL PAVING AND GRADING
PLAN
CONSTRUCTION SITE PLAN AMENDMENT

DRAWN: B. KILLELA
DESIGNED: O. SANCHEZ
PROJECT: DDC-001
SHEET: C5.0



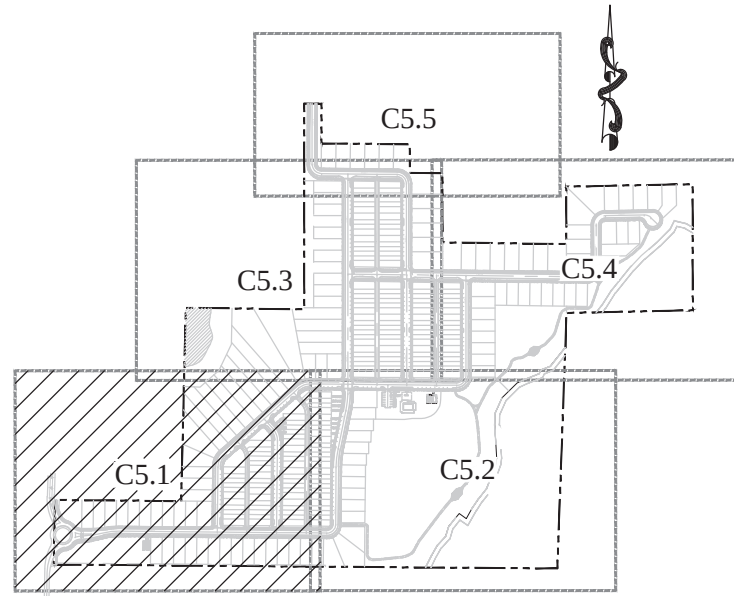
FLORIDA PROFESSIONAL ENGINEER
No. 86492
2/17/25
STATE OF FLORIDA

Page 50 of 95



GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.



KEY MAP

POND NOTES:

1. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU FINE SAND CONTAINING LESS THAN 5% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM IN-PLACE VERTICAL PERMEABILITY RATE OF 20 FT/DAY OR GREATER FROM THE POND TO A DEPTH OF 3.0 FEET BELOW THE PLANNED ELEVATION OF THE POND BOTTOM, OR TO AN ELEVATION.
2. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.

PLEASE REFER TO ORANGE COUNTY
RIGHT-OF-WAY PLANS (PERMIT
#23-E-255) FOR OFFSITE ROADWAY
IMPROVEMENTS

LIFT STATION #1 GRADING DETAIL

SCALE: 1" = 10'

SHEET C5.3
SHEET C5.1

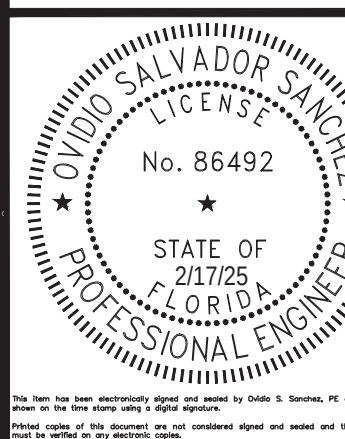
SHEET C5.1
SHEET C5.2

CIVIL ENGINEERING & LAND PLANNING
APPIAN ENGINEERING LLC.

PAVING AND GRADING PLAN -
SOUTHWEST
CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

SCALE	1" = 50'
DRAWN	B. KILLELA
DESIGNED	O. SANCHEZ
PROJECT	DDC-001
CHECKED	O. SANCHEZ
DATE	2/17/25
SHEET	C5.1



SHEET 56 OF 120

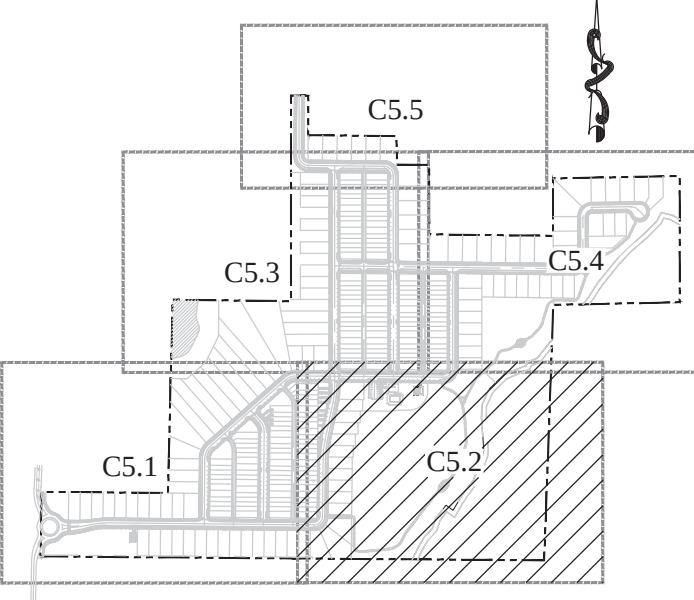
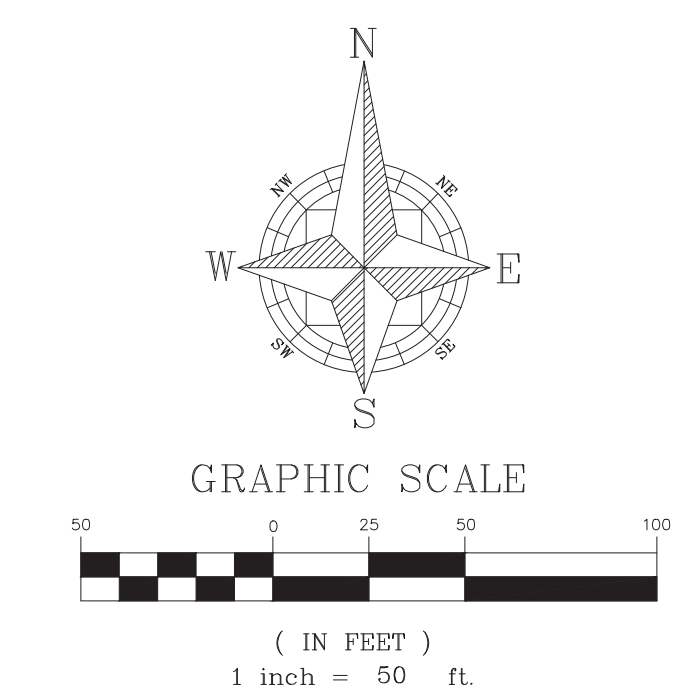
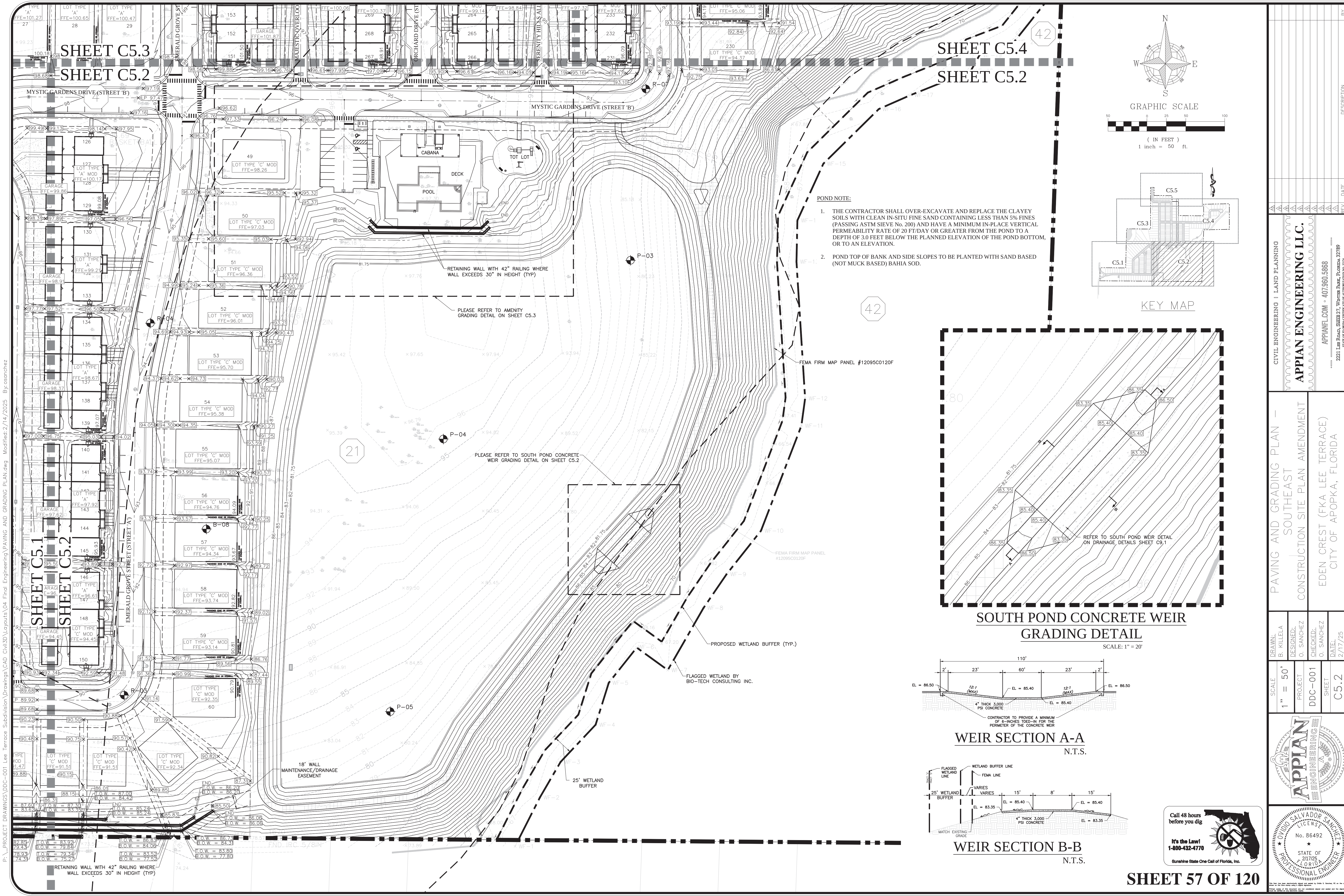
Call 48 hours
before you dig

It's the Law!
1-800-432-4770

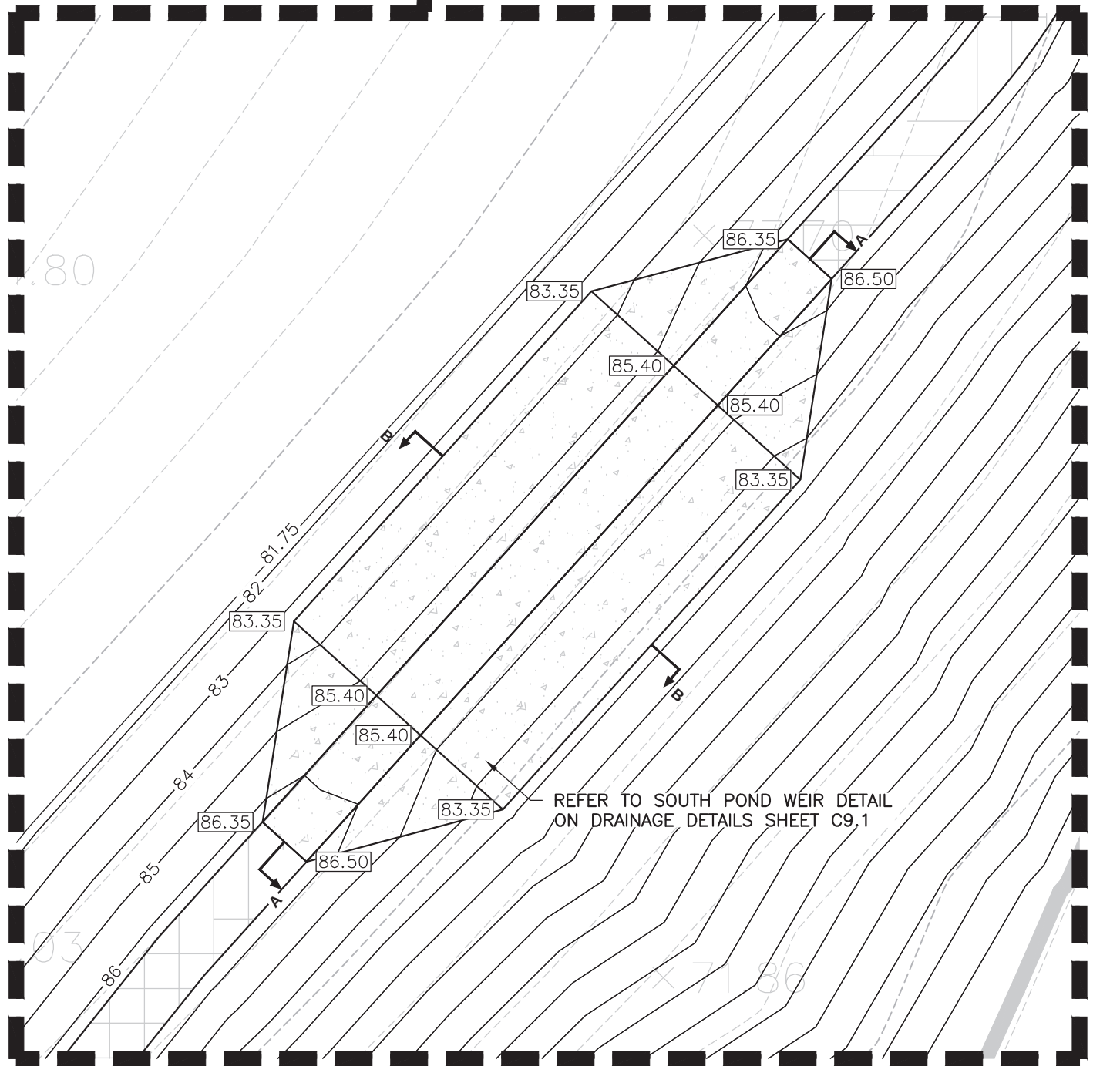
Sunshine State One Call of Florida, Inc.

25' WALL MAINTENANCE/DRAINAGE
EASEMENT, PLEASE REFER TO SHEET C3.5

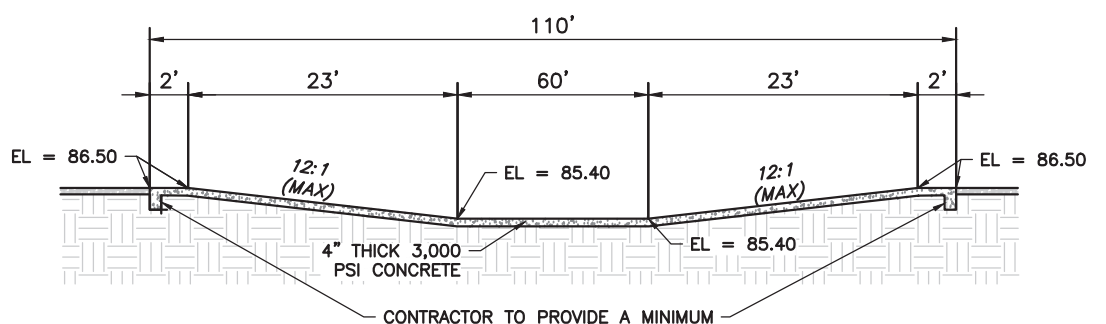
RETAINING WALL WITH



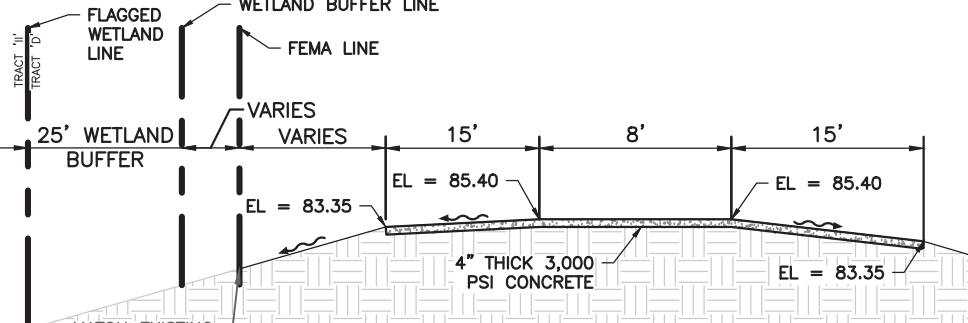
- POND NOTE:**
1. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU FINE SAND CONTAINING LESS THAN 5% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM IN-PLACE VERTICAL PERMEABILITY RATE OF 20 FT/DAY OR GREATER FROM THE POND TO A DEPTH OF 3.0 FEET BELOW THE PLANNED ELEVATION OF THE POND BOTTOM, OR TO AN ELEVATION.
 2. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.



**SOUTH POND CONCRETE WEIR
GRADING DETAIL**
SCALE: 1" = 20'



**WEIR SECTION A-A
N.T.S.**

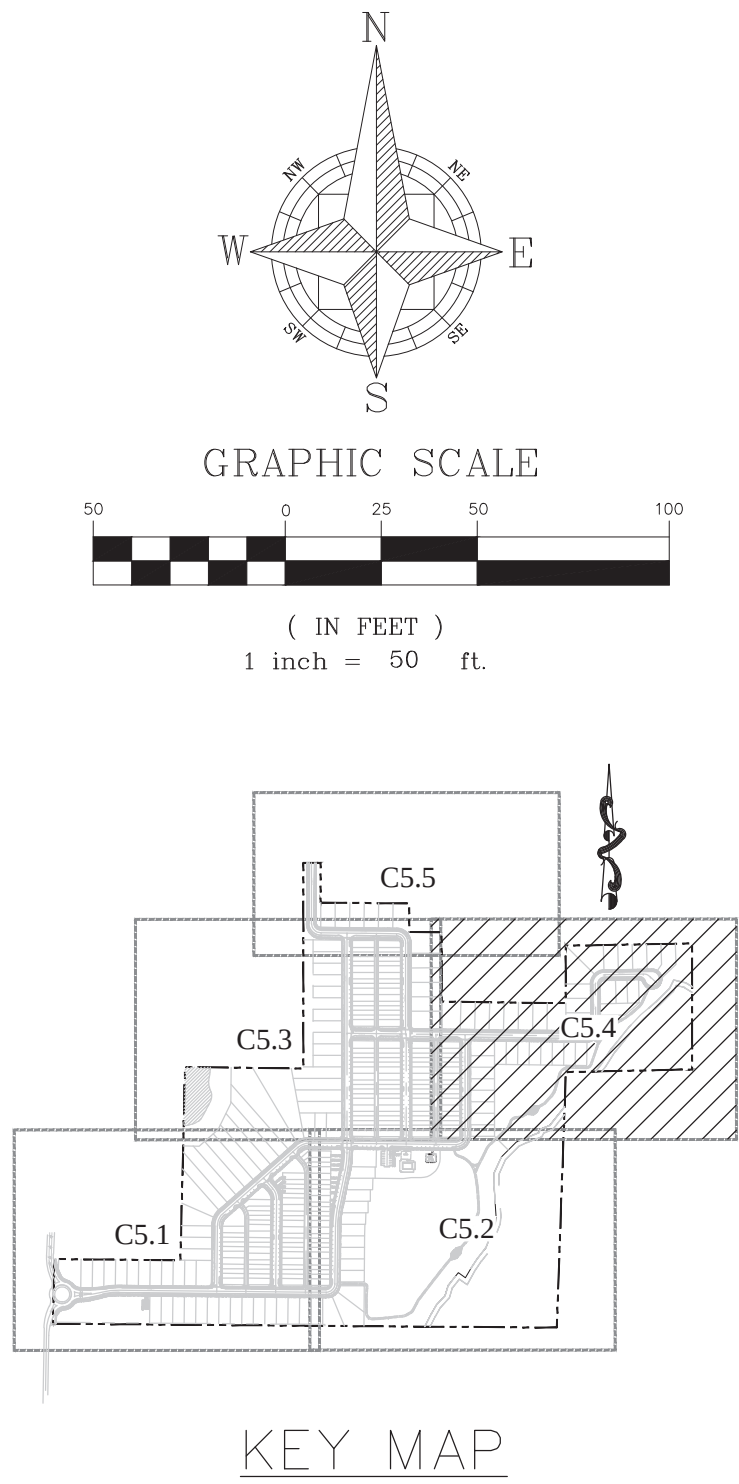
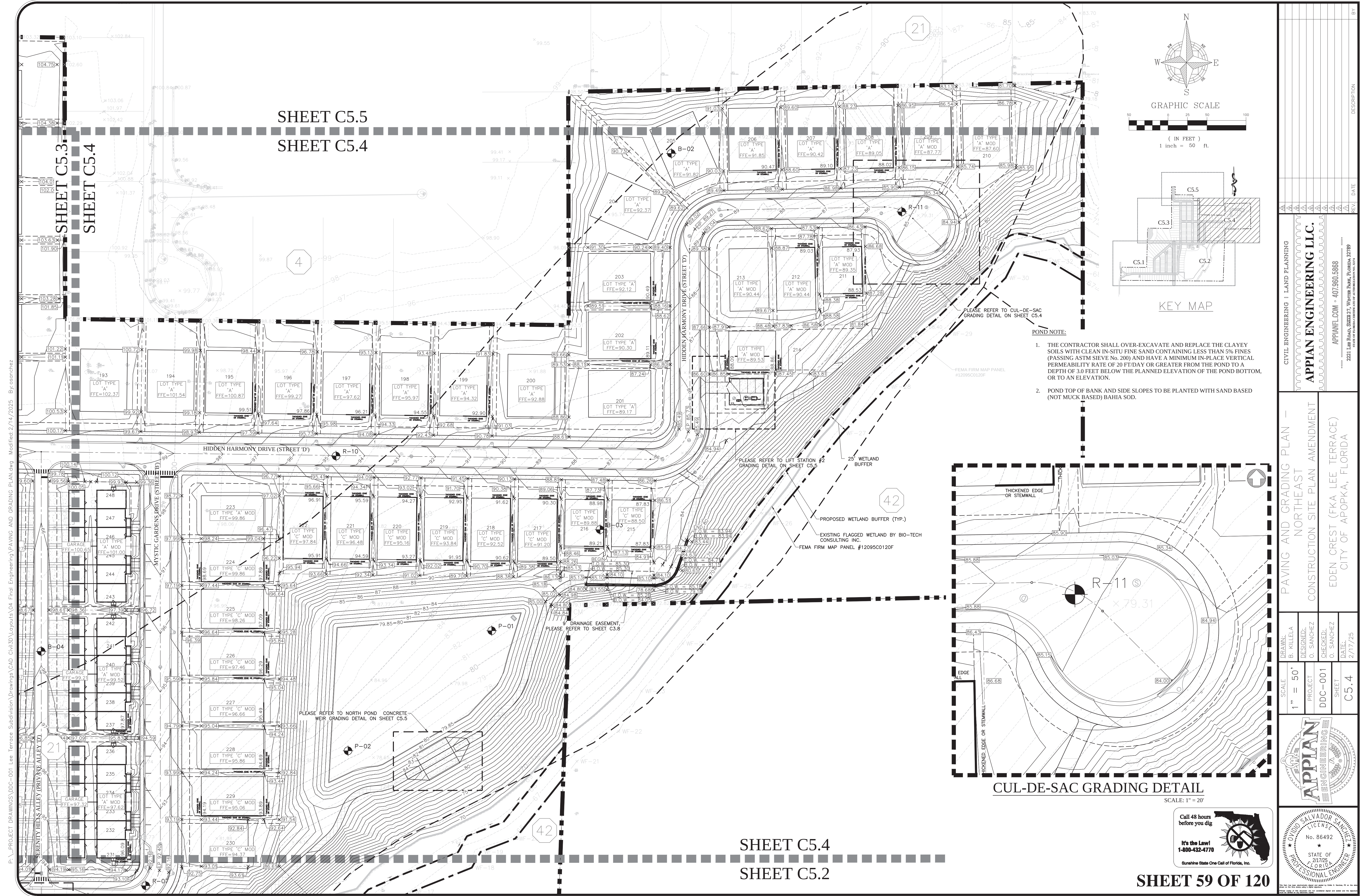


**WEIR SECTION B-B
N.T.S.**

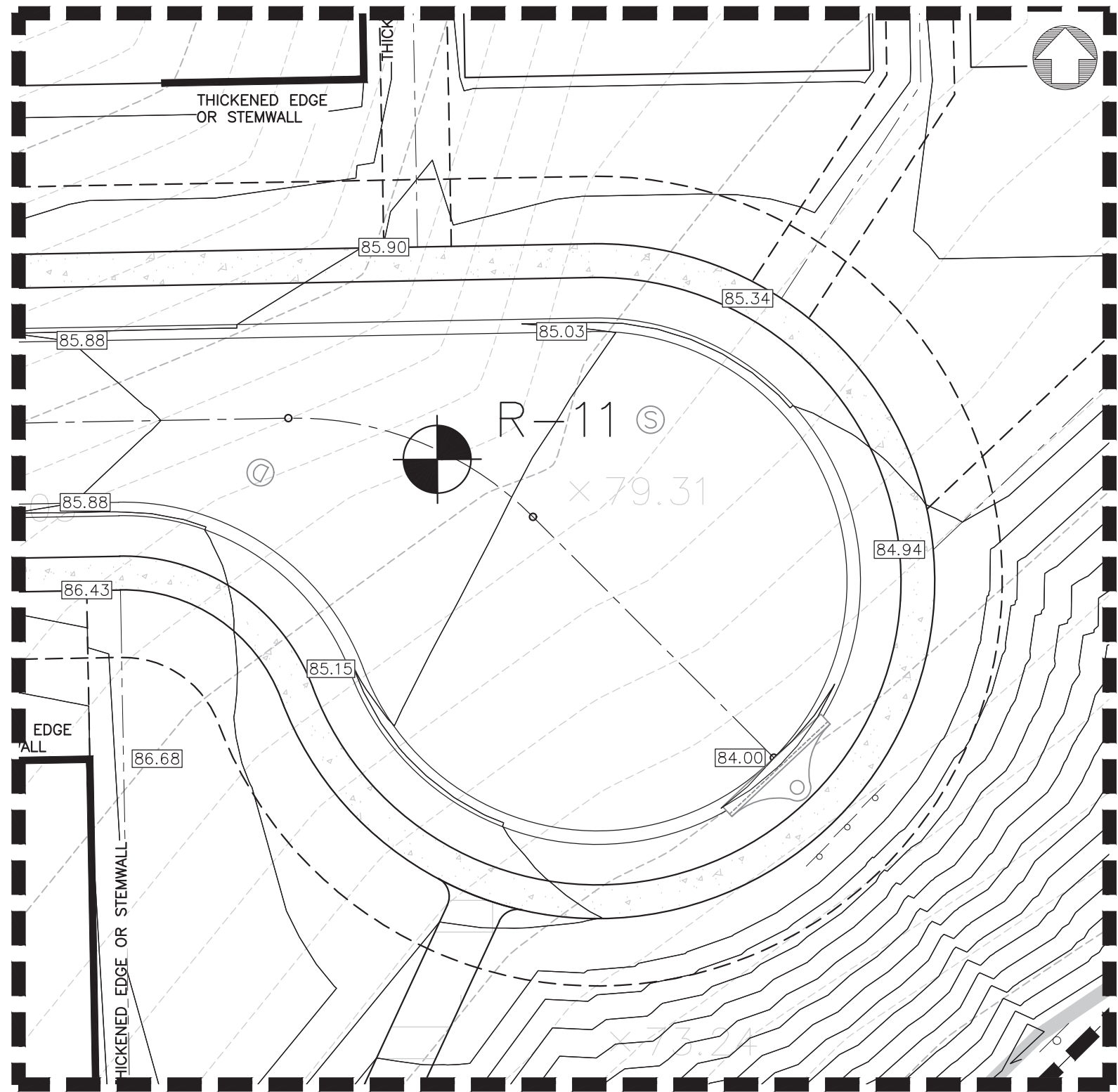


CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		BY
PAVING AND GRADING PLAN - SOUTHEAST		CONSTRUCTION SITE PLAN AMENDMENT		DATE
EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		REV
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		DESCRIPTION
PROJECT: DDC-001		CHECKED: O. SANCHEZ		
SCALE: 1" = 50'		SHEET: C5.2		
DATE: 2/17/25		APPIAN.COM • 407.960.5868		
2221 Lee Road, Suite 27, Winter Park, Florida 32789		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 00000000000000000000		
APPIAN ENGINEERING		FLORIDA PROFESSIONAL ENGINEER		
No. 86492		STATE OF FLORIDA		
2/17/25		PROFESSIONAL ENGINEER		

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision Drawings\CAD Civil3D\LAYOUTS\04 Final Engineering PAVING AND GRADING PLAN.dwg Modified: 2/14/2025 By: osanchez



- POND NOTE:**
1. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU FINE SAND CONTAINING LESS THAN 5% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM IN-PLACE VERTICAL PERMEABILITY RATE OF 20 FT/DAY OR GREATER FROM THE POND TO A DEPTH OF 3.0 FEET BELOW THE PLANNED ELEVATION OF THE POND BOTTOM, OR TO AN ELEVATION.
 2. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.



CUL-DE-SAC GRADING DETAIL

SCALE: 1" = 20'

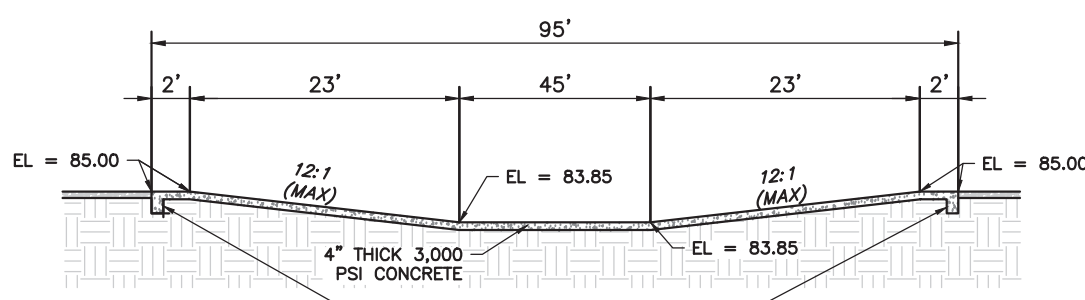
Call 48 hours before you dig

It's the Law!

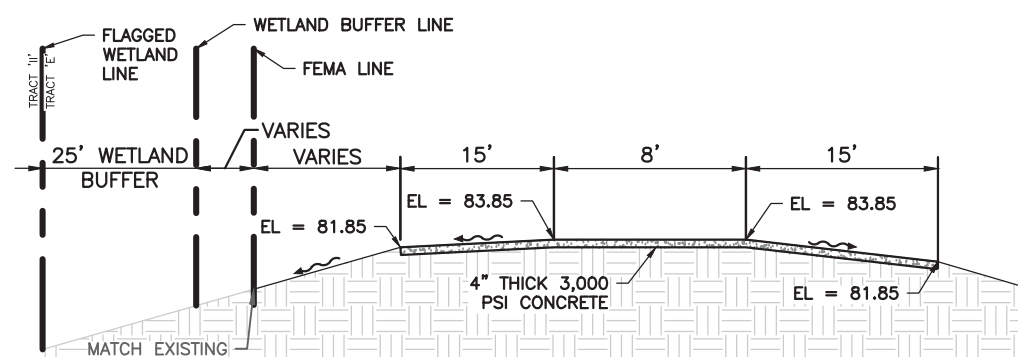
1-800-432-4770

Sunshine State One Call of Florida, Inc.

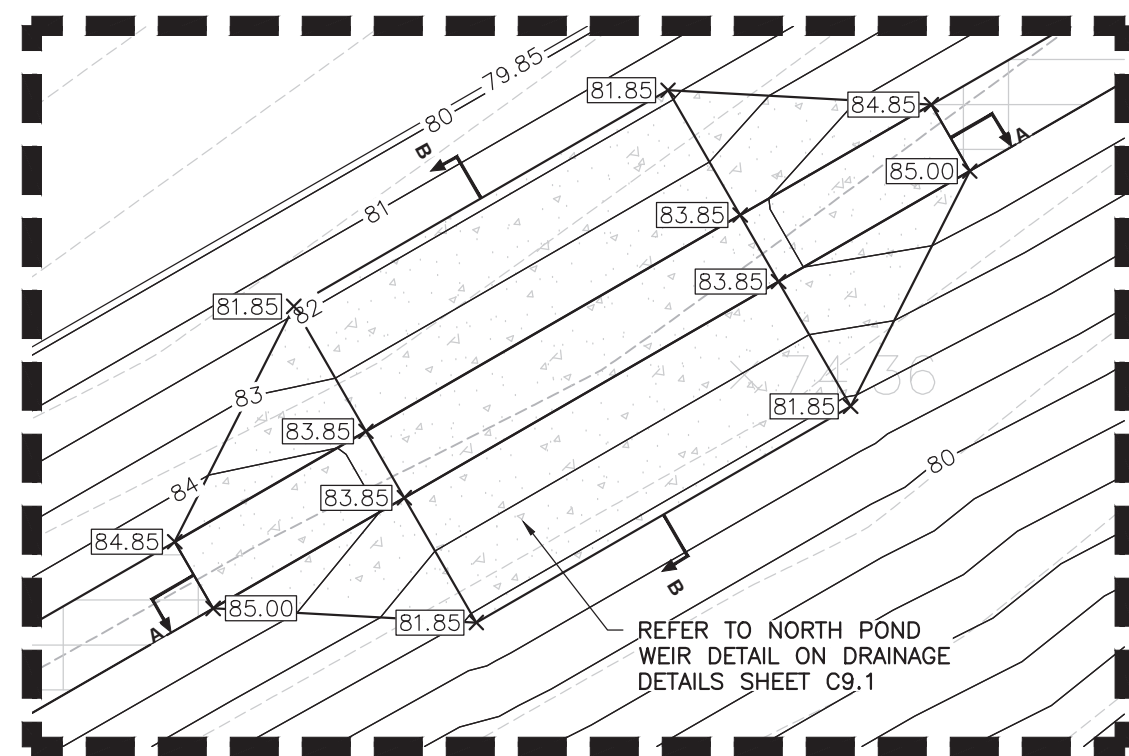
CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		2221 Lee Road, Suite 217, Winter Park, Florida 32789	
PAVING AND GRADING PLAN – NORTHEAST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/17/25	PROJECT: DDC-001	
SCALE: 1" = 50'		SHEET: C5.4		BY: [Signature]	
				DESCRIPTION: [Blank]	



WEIR SECTION A-A
N.T.S.

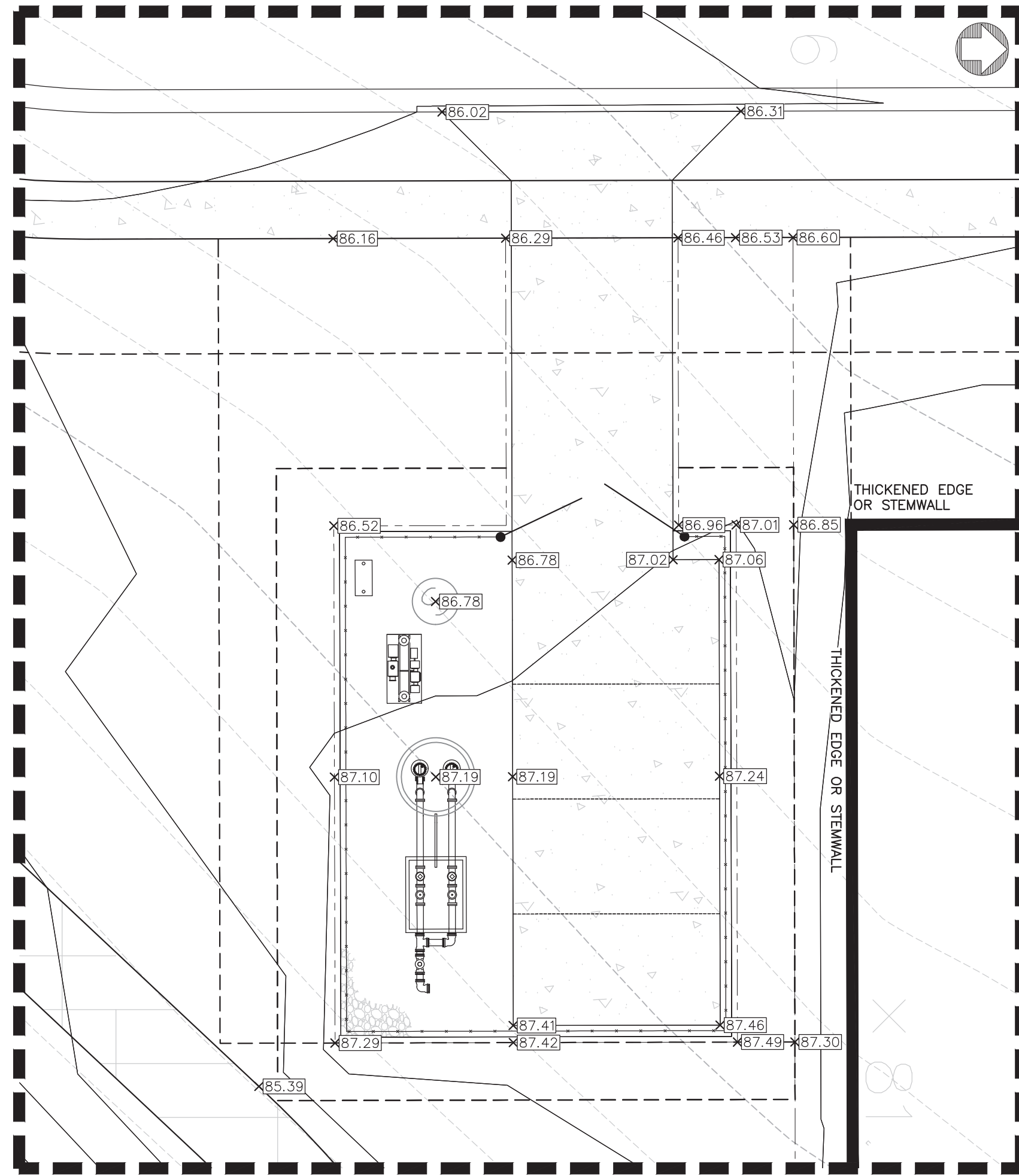


WEIR SECTION B-B
N.T.S.



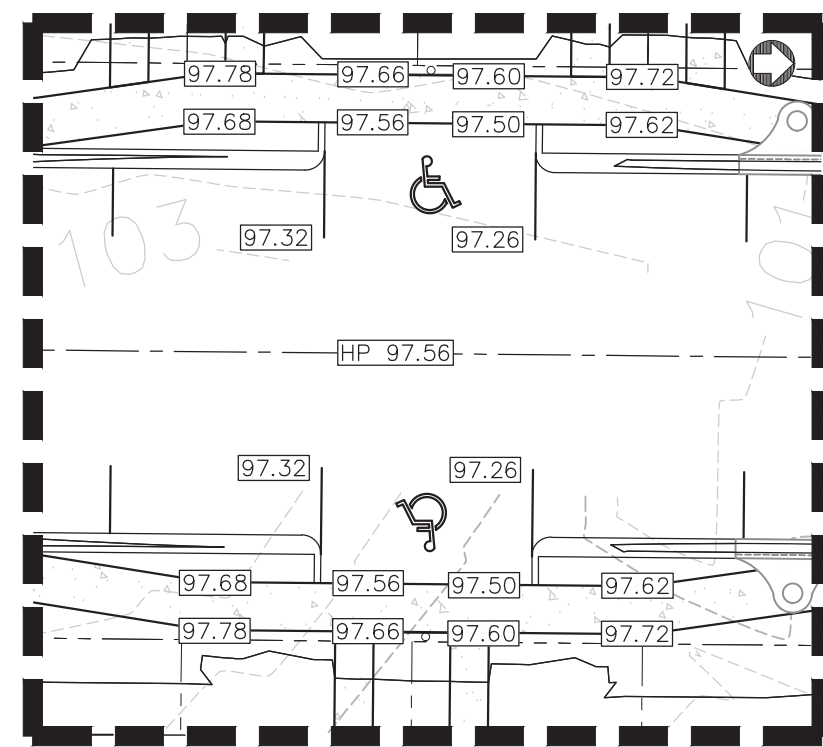
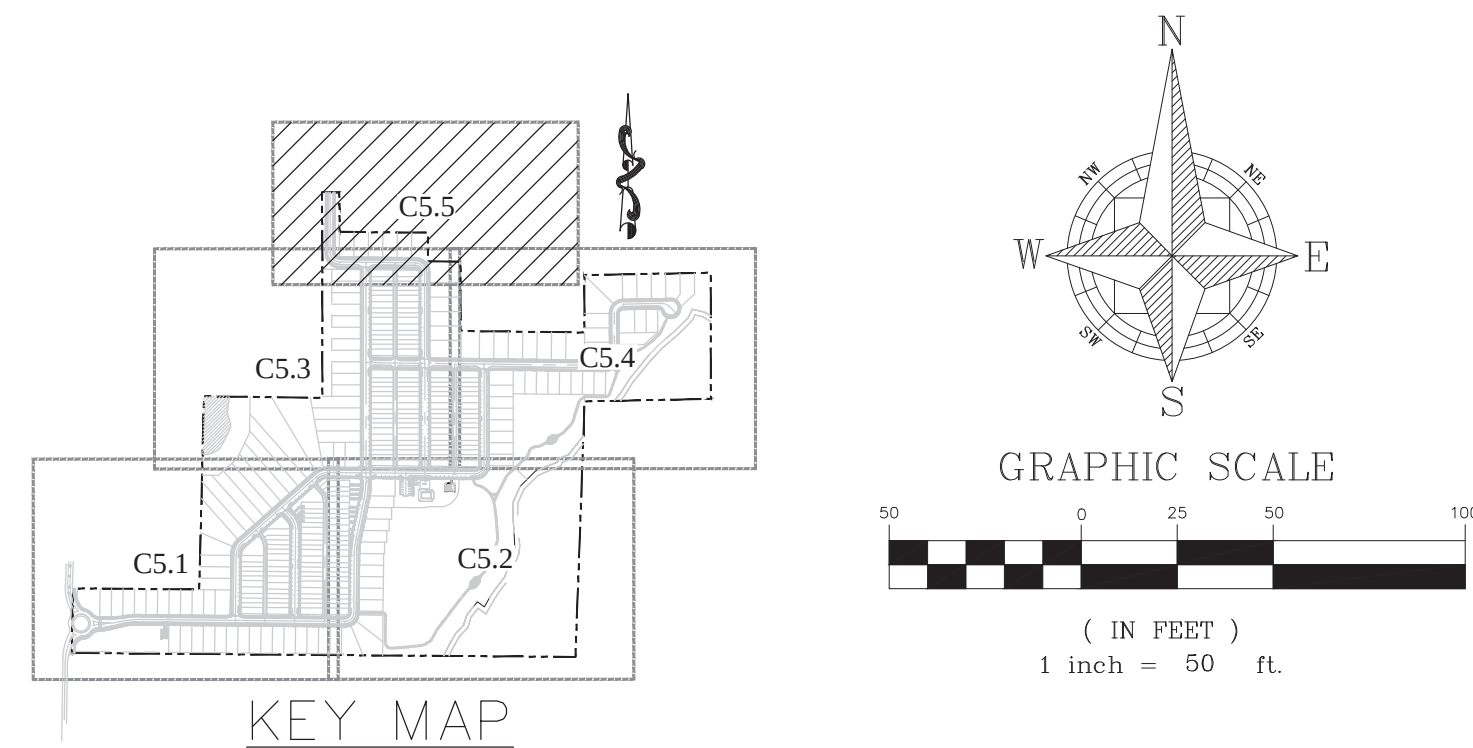
NORTH POND CONCRETE
WEIR GRADING DETAIL

SCALE: 1" = 20'



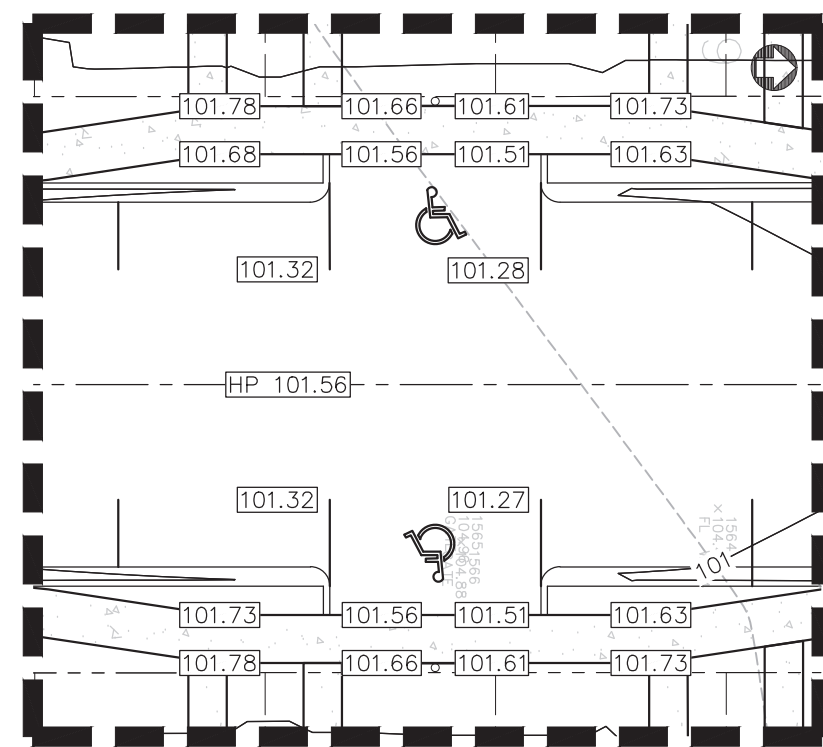
LIFT STATION #2 GRADING DETAIL

SCALE: 1" = 10'



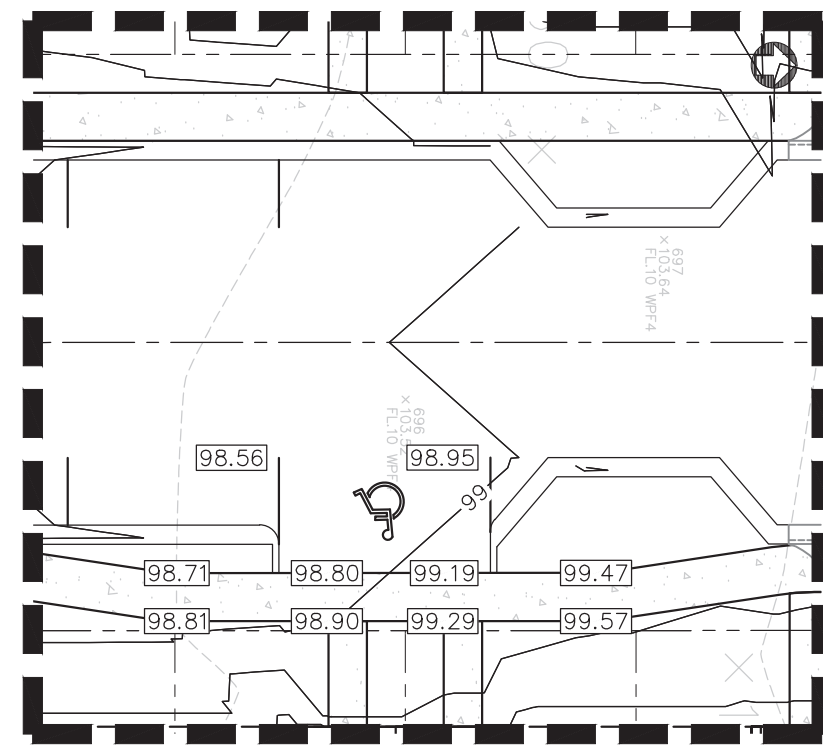
ACCESSIBLE PARKING
GRADING DETAIL #1

SCALE: 1" = 20'



ACCESSIBLE PARKING
GRADING DETAIL #2

SCALE: 1" = 20'



ACCESSIBLE PARKING
GRADING DETAIL #3

SCALE: 1" = 20'

SHEET C5.5
SHEET C5.3

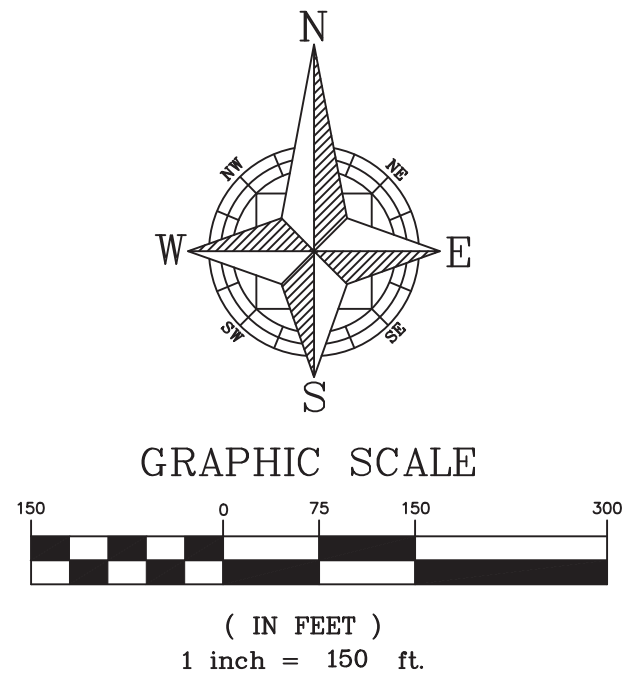
SHEET C5.5
SHEET C5.4

SHEET 60 OF 120



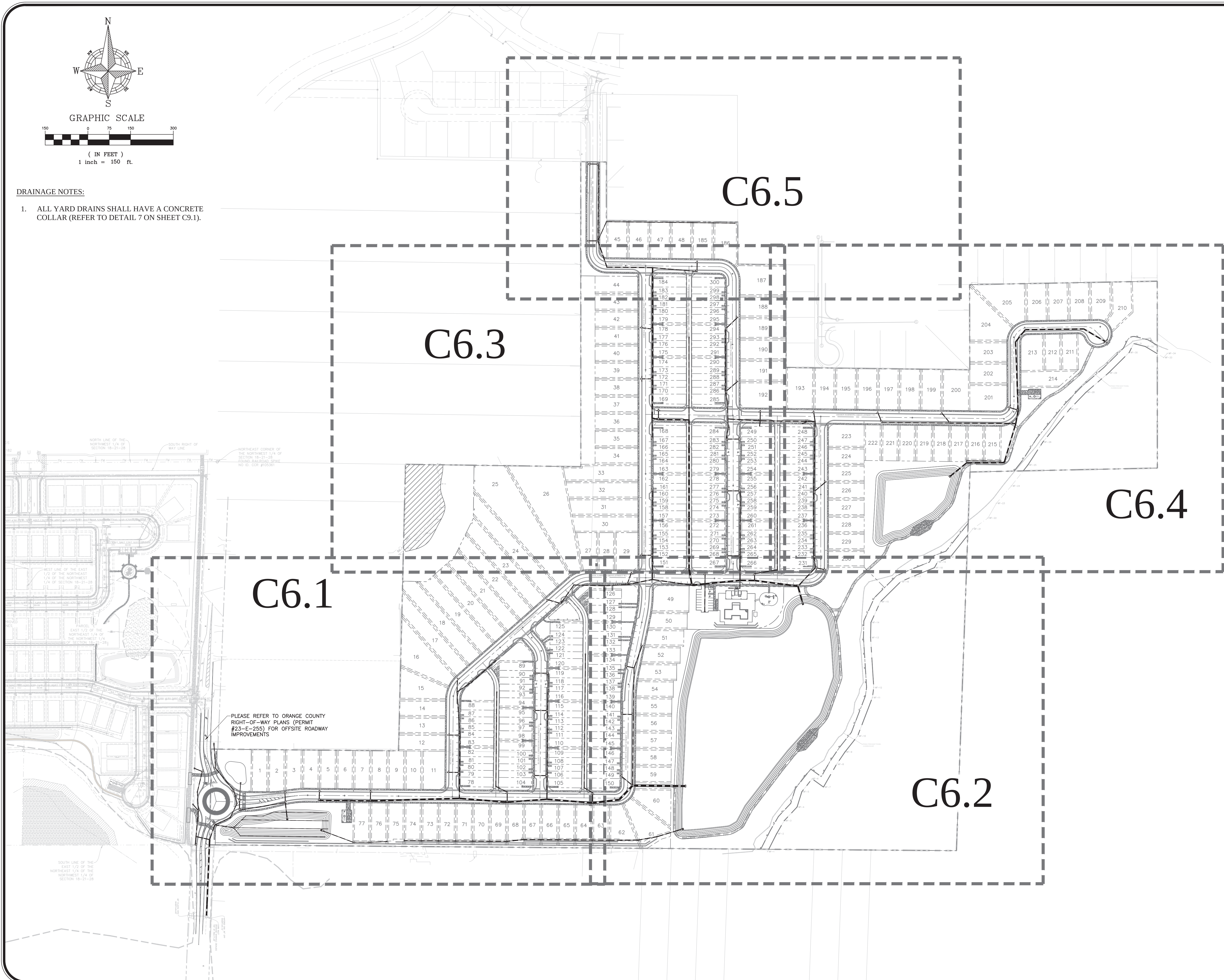
CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIAN.COM • 407.960.5868		2221 Lee Road, Suite 217, Winter Park, Florida 32789		STATE OF FLORIDA LICENSE NO. 00000000000000000000		BY	
PAVING AND GRADING PLAN - NORTH		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE		DESCRIPTION	
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/17/25		SCALE: 1" = 50'		PROJECT: DDC-001	
SHEET: C5.5		PROJECT: DDC-001		SHEET: C5.5		PROJECT: DDC-001		SHEET: C5.5		PROJECT: DDC-001	
APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING	
OVIDO SALVADOR SANCHEZ		OVIDO SALVADOR SANCHEZ		OVIDO SALVADOR SANCHEZ		OVIDO SALVADOR SANCHEZ		OVIDO SALVADOR SANCHEZ		OVIDO SALVADOR SANCHEZ	
No. 86492		No. 86492		No. 86492		No. 86492		No. 86492		No. 86492	
STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA	
PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER	

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\DRAINAGE PLAN.dwg Modified:12/10/2024 By: osanchez



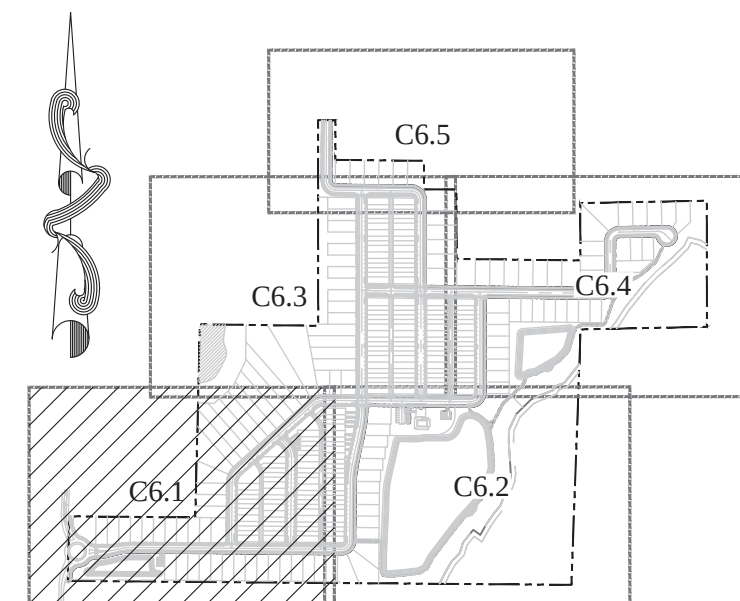
DRAINAGE NOTES:

- ALL YARD DRAINS SHALL HAVE A CONCRETE COLLAR (REFER TO DETAIL 7 ON SHEET C9.1).

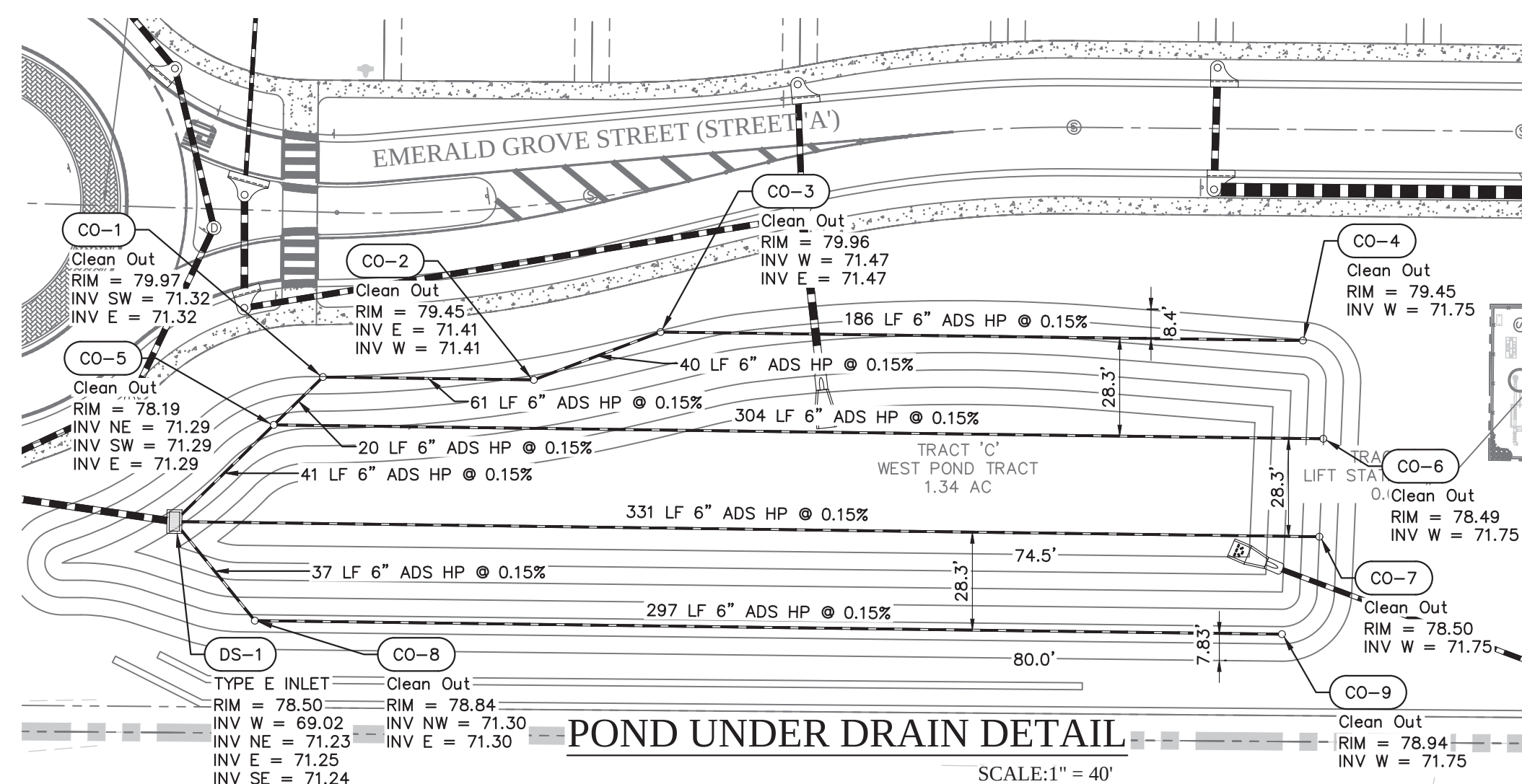


SHEET 61 OF 120

						SCALE 1" = 150'		DRAWN: B. KILLELA		OVERALL DRAINAGE PLAN		CIVIL ENGINEERING LAND PLANNING									
						PROJECT DDC-001		DESIGNED: O. SANCHEZ		CONSTRUCTION SITE PLAN AMENDMENT		APPIAN ENGINEERING LLC.									
						SHEET C6.0		CHECKED: O. SANCHEZ		EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA		APPIANFL.COM • 407-960-5668									
								DATE: 2/14/25				APPIANFL.COM • 407-960-5668									
												2211 Lee Road, Suite 217, Wynnton Park, Florida, 33789									
												STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, 2024									
														REV.		DATE				BY	



1. *Journal of the American Medical Association*, 2000; 284: 2689-2694.

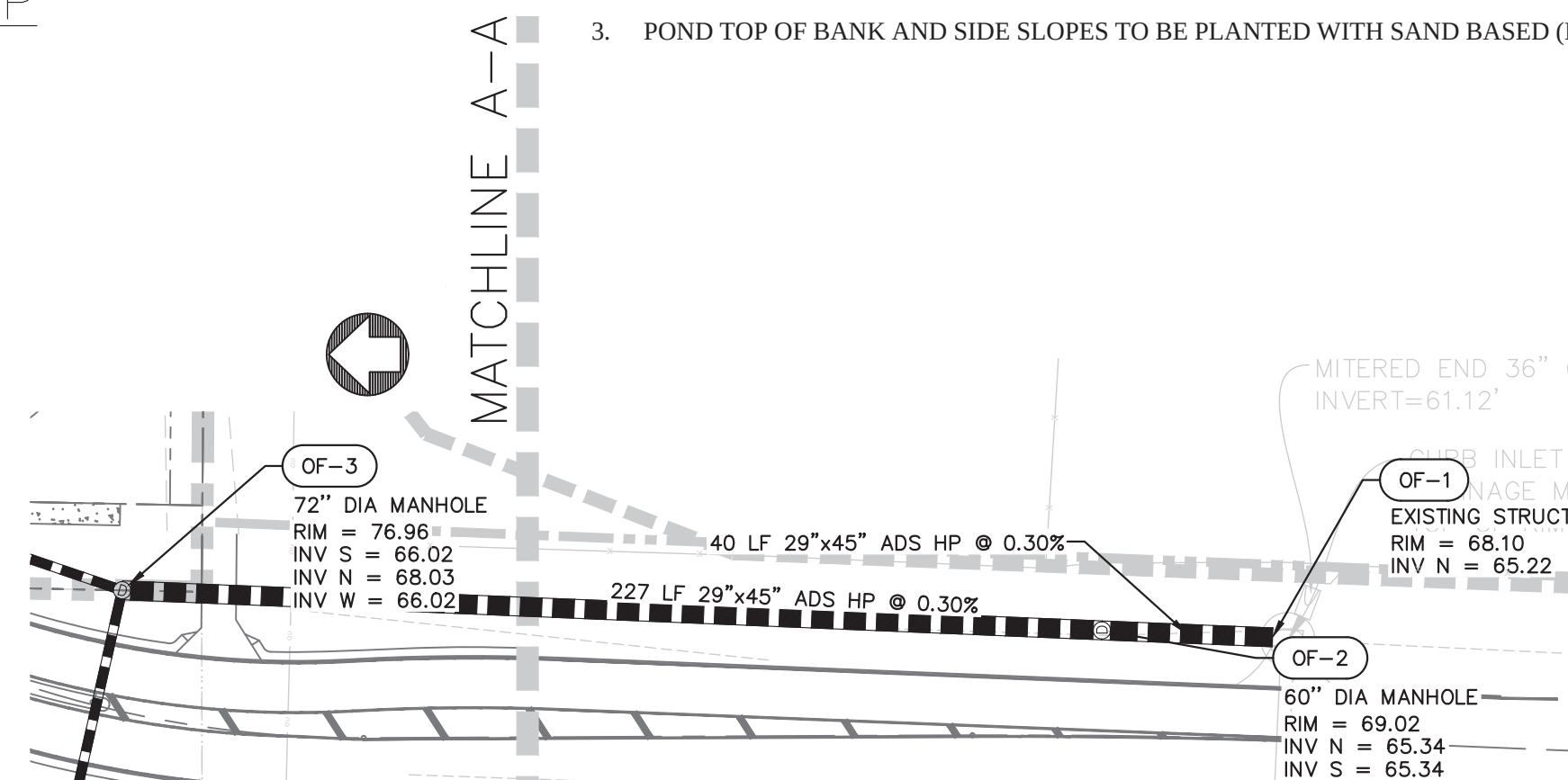


POND UNDER DRAIN DETAIL

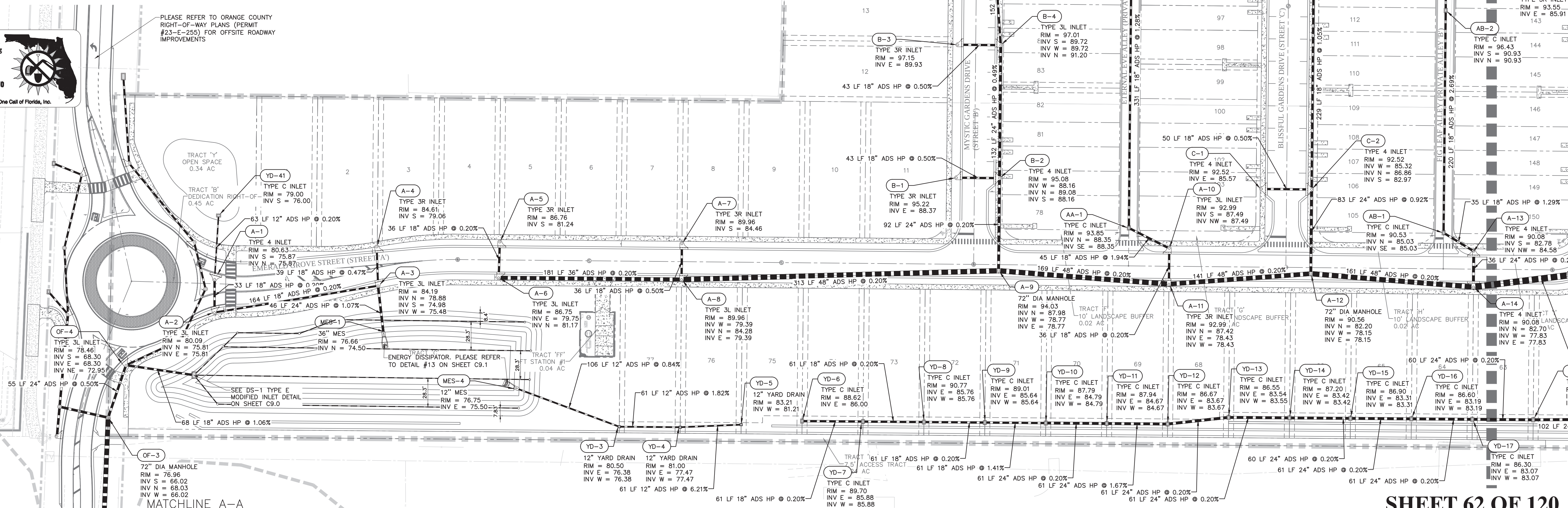
SCALE: 1" = 40'

- POND UNDER DRAIN NOTES:

1. CONTRACTOR TO REFER TO UNDER DRAIN ANALYSIS REPORT DATED OCTOBER 30TH, 2023 BY UNIVERSAL ENGINEERING SCIENCES, LLC AND COORDINATE WITH GEOTECHNICAL ENGINEER FOR LIMITS OF OVER-EXCAVATION. INSPECTION TO DETERMINE THE EXTENT OF UNSUITABLE SOILS SHALL BE PERFORMED ON SITE BY THE GEOTECHNICAL ENGINEER.
2. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU SOILS CONTAINING LESS THAN 6% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM PERMEABILITY VALUE OF AT LEAST 13 FT/DAY.
3. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.



PLEASE REFER TO ORANGE COUNTY
RIGHT-OF-WAY PLANS (PERMIT
#23-E-255) FOR OFFSITE ROADWAY
IMPROVEMENTS

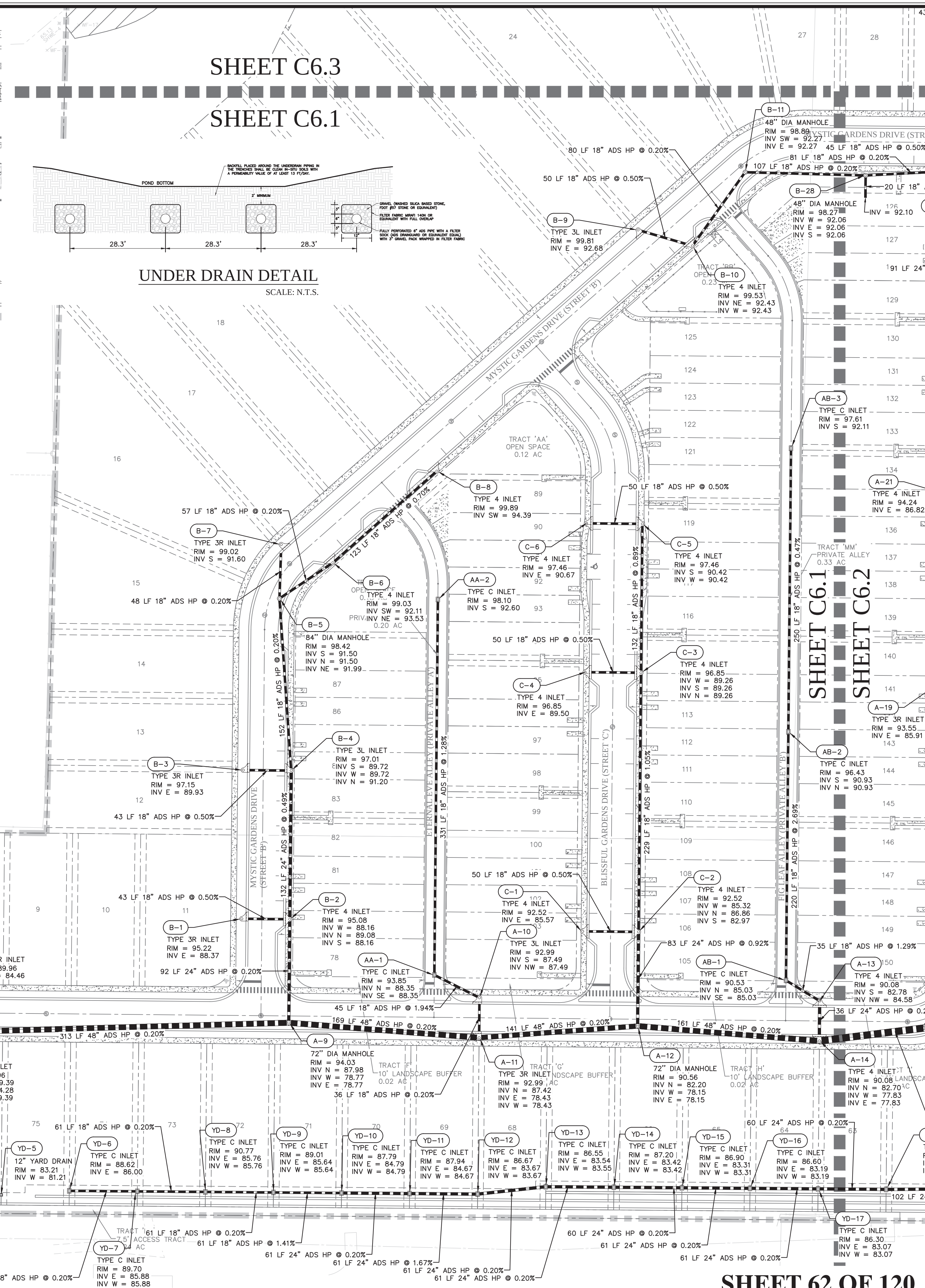


SHEET C6.3

SHEET C6.1

UNDER DRAIN DETAIL

SCALE: N T S

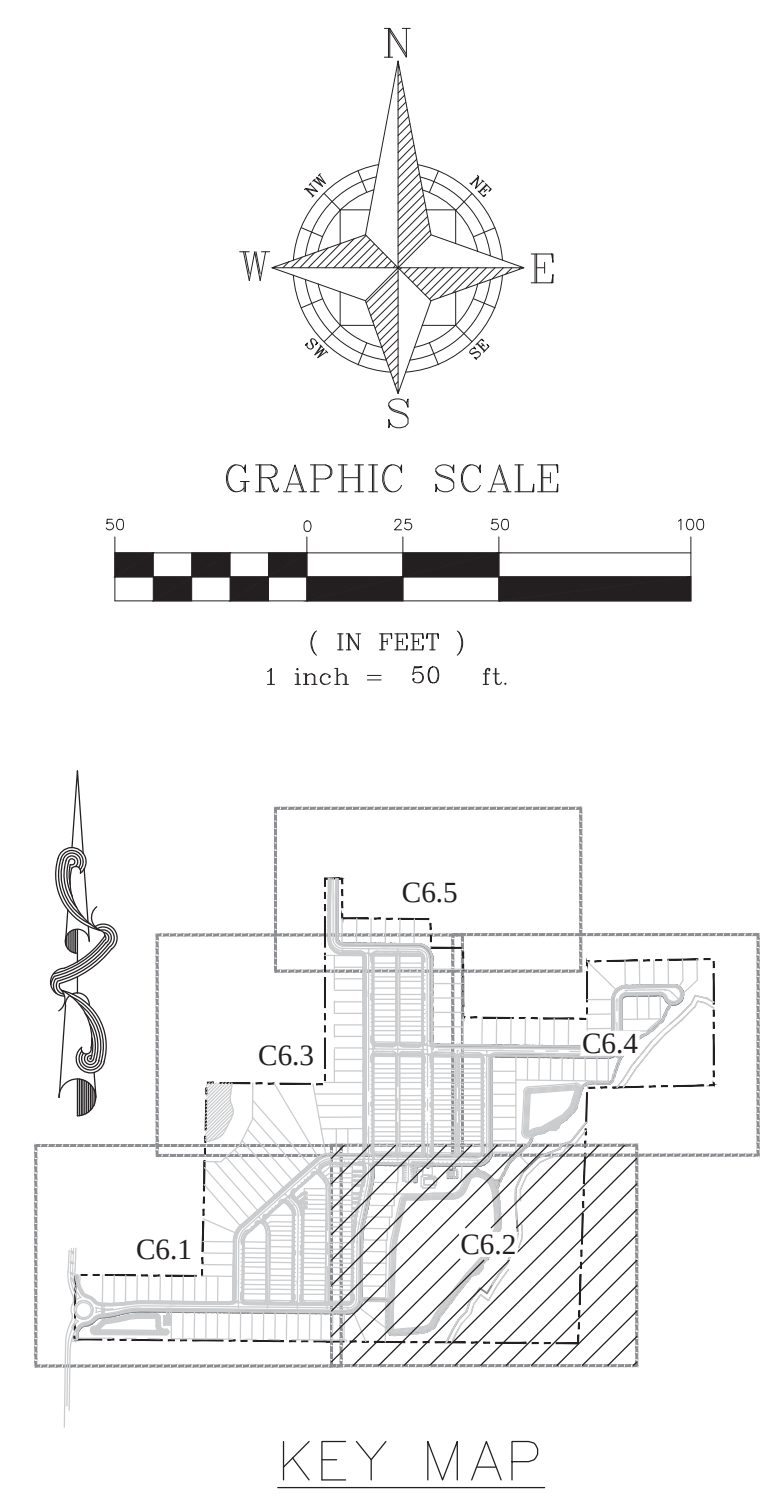
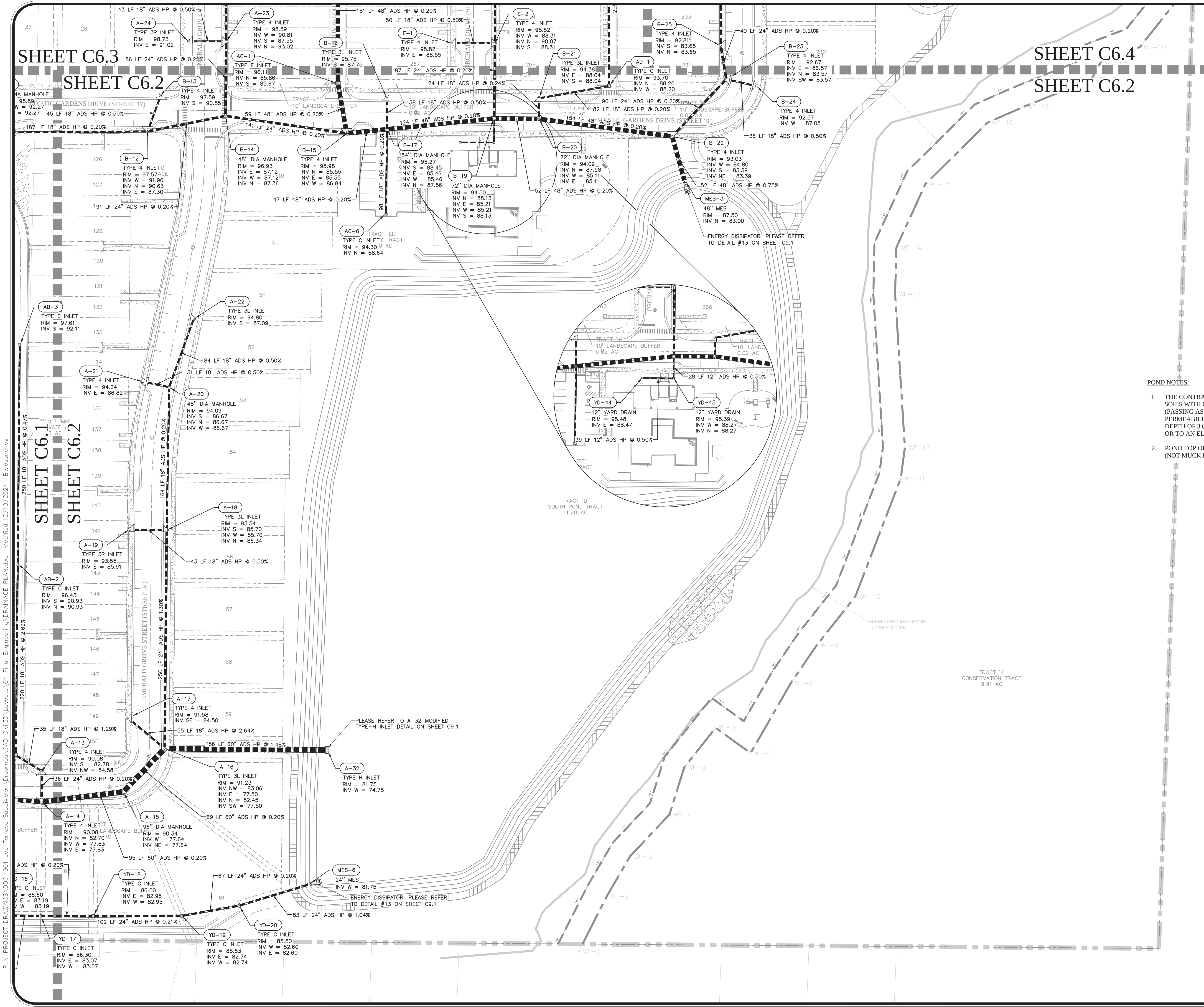


SHEET C6.1

SHEET C6.2

SHEET 62 OF 120

	SCALE	DRAWN: B. KILLELA	DRAINAGE PLAN — SOUTHWEST CONSTRUCTION SITE PLAN AMENDMENT EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407.960.5868 2221 LEE ROAD, SUITE 27 WESTON PARK, FLORIDA 32709 SOURCE OF FLOOD CERTIFICATE OF INFORMATION: 04/15/24	DATE	BY
	1" = 50'	DESIGNED: O. SANCHEZ			REV.	
PROJECT DDC-001	CHECKED: O. SANCHEZ					
SHEET C6.1	DATE: 2/14/25					



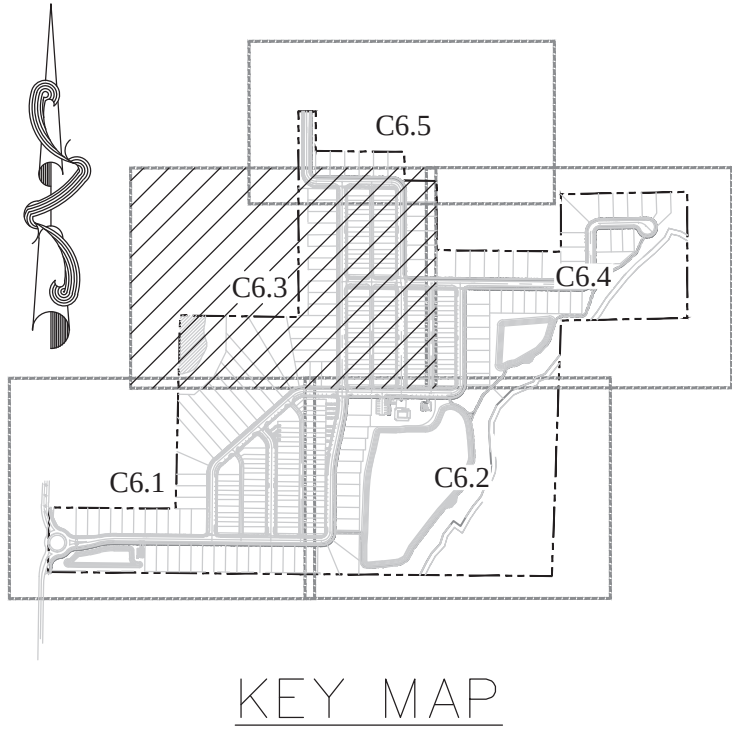
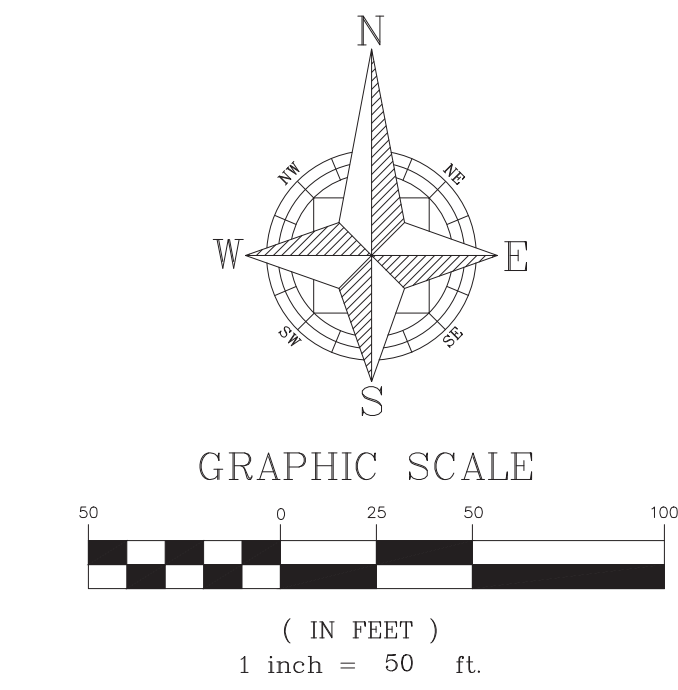
- POND NOTES:**
1. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU FINE SAND CONTAINING LESS THAN 5% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM IN-PLACE VERTICAL PERMEABILITY RATE OF 20 FT/DAY OR GREATER FROM THE POND TO A DEPTH OF 3.0 FEET BELOW THE PLANNED ELEVATION OF THE POND BOTTOM, OR TO AN ELEVATION.
 2. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision Drawings\CAD Civil3D\LAYOUTS\04 Final Engineering\DRAINAGE PLAN.dwg Modified:12/10/2024 By:osanchez

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIAN.COM • 407.960.5868		2221 Lee Road, Suite 27, Winter Park, Florida 32789		STATE OF FLORIDA LICENSE NO. 21425	
DRAINAGE PLAN - SOUTHEAST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE: 2/14/25	
SCALE	1" = 50'	PROJECT	DDC-001	CHECKED	O. SANCHEZ	DESIGNED	O. SANCHEZ	DRAWN	B. KILLELA
SHEET	C6.2								

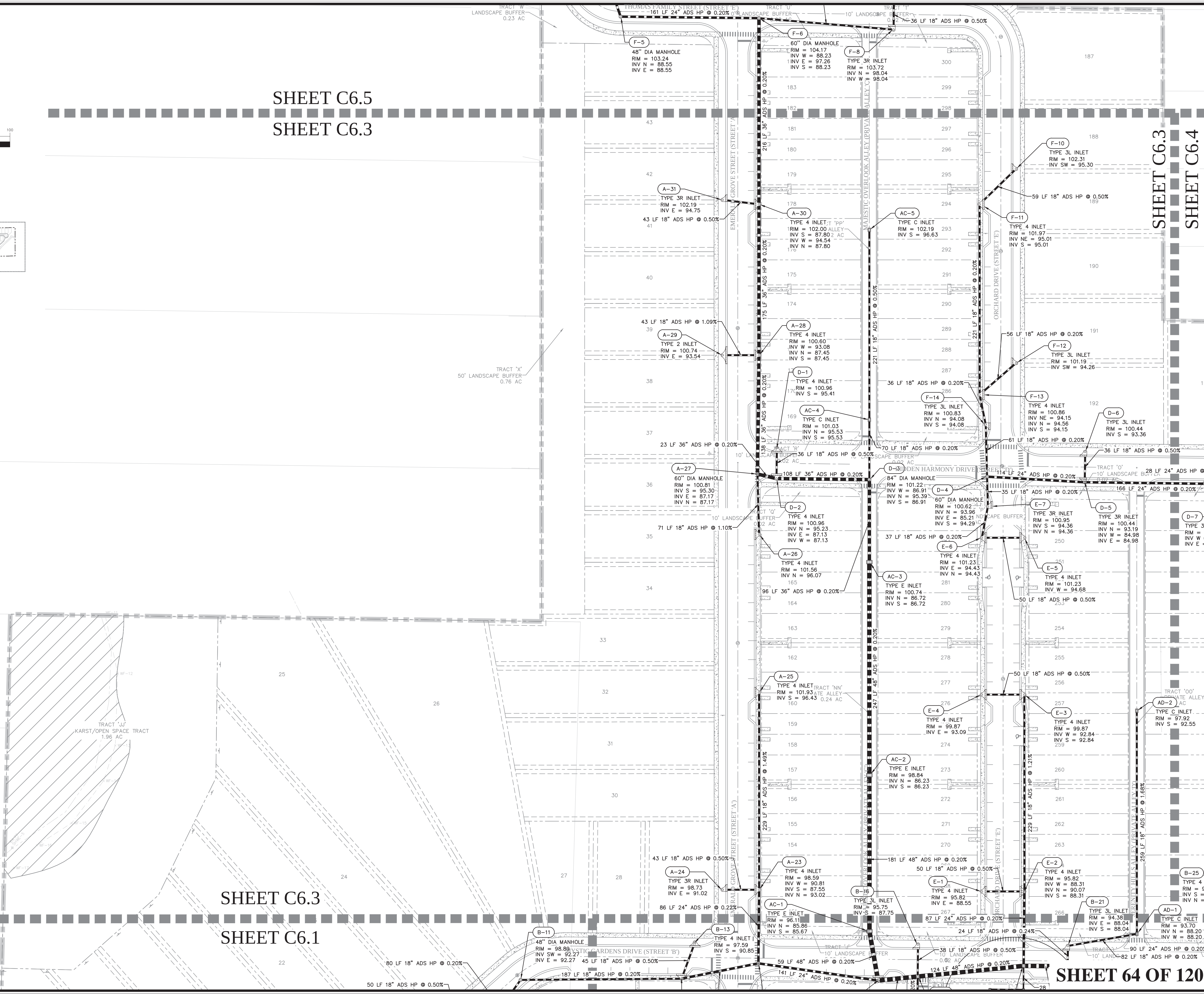
SHEET 63 OF 120

Page 58 of 95



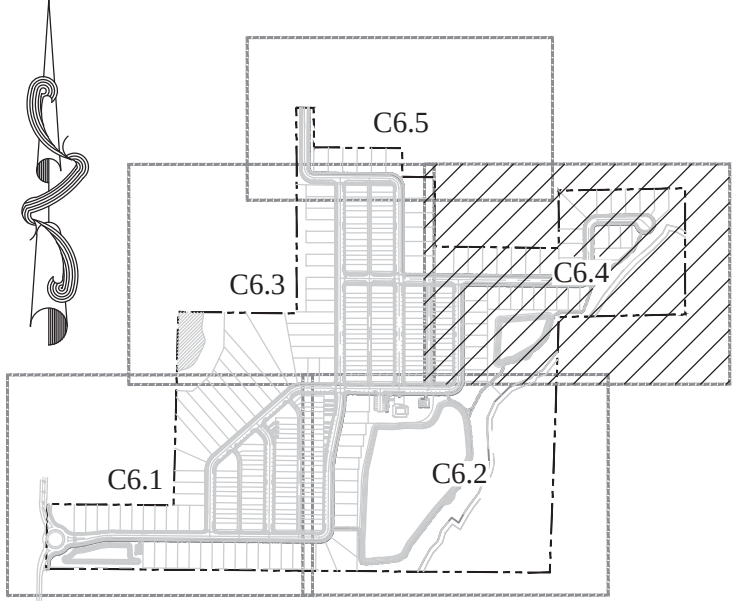
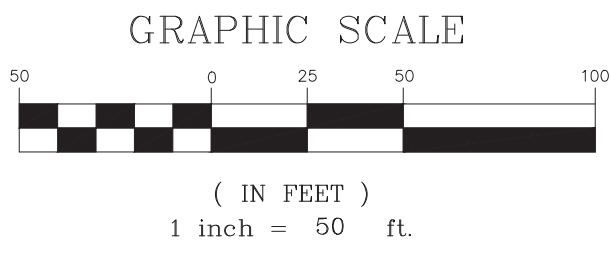
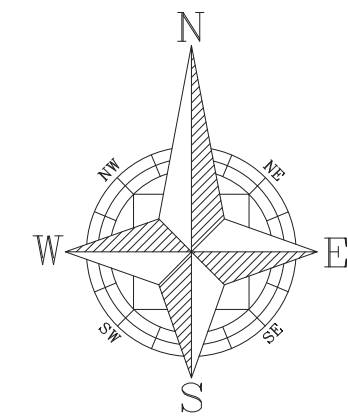
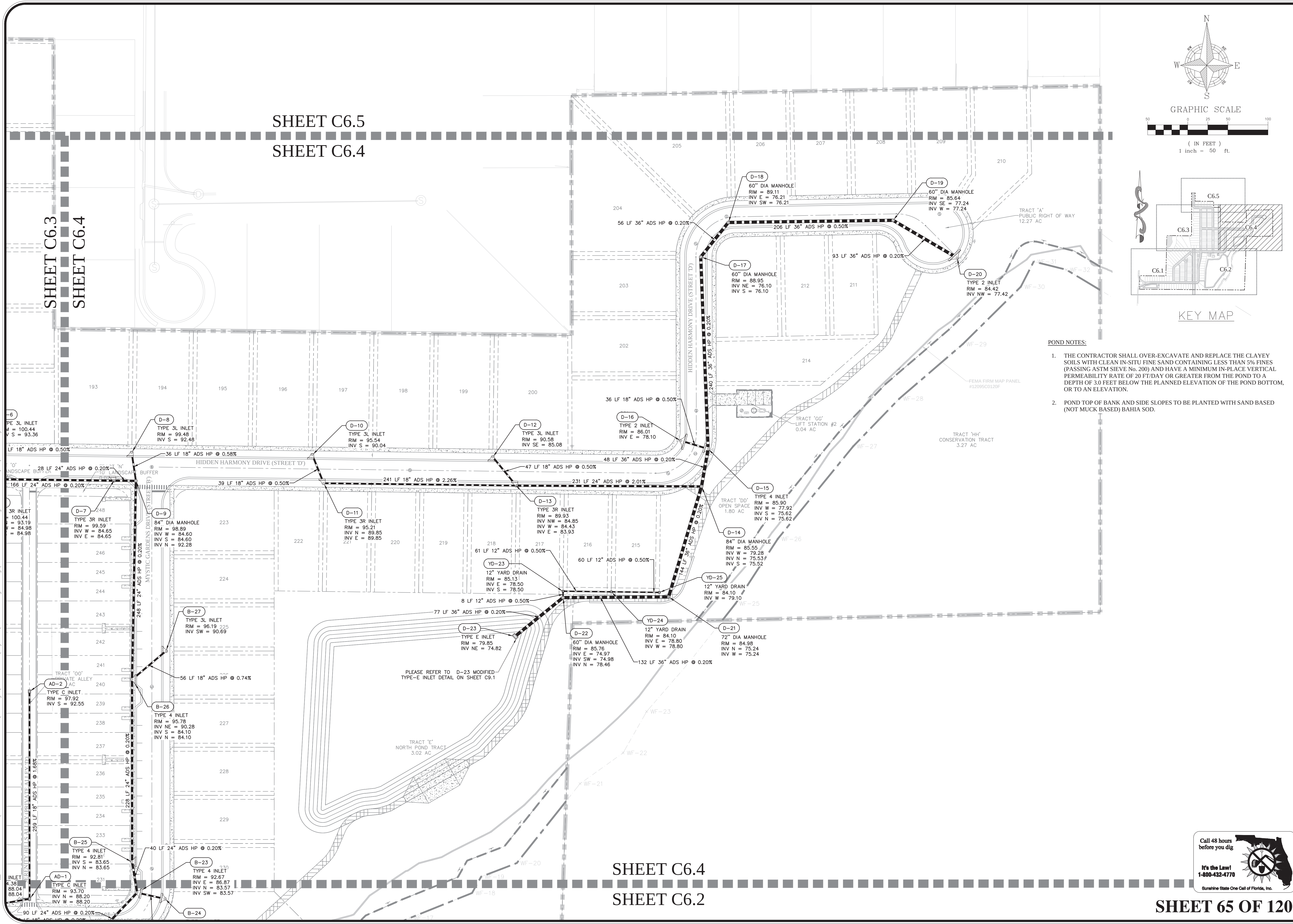
SHEET C6.5
SHEET C6.3

SHEET C6.3
SHEET C6.4



CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		2221 Lee Road, Suite 27, Winter Park, Florida 32789 STATE OF FLORIDA LICENSE NO. 214125	
DRAINAGE PLAN - NORTHWEST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	
DRAWN: B. KILLEA	SCALE: 1" = 50'	DESIGNED: O. SANCHEZ	PROJECT: DDC-001	CHECKED: O. SANCHEZ	SHEET: C6.3
DATE: 2/14/25		DATE: 2/14/25			
APPIAN ENGINEERING		APPIAN ENGINEERING			
FLORIDA LICENSE NO. 214125		FLORIDA LICENSE NO. 214125			

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision Drawings\CAD Civil3D\Layouts\04 Final Engineering\DRAINAGE PLAN.dwg Modified: 12/10/2024 By: osanchez



POND NOTES:

1. THE CONTRACTOR SHALL OVER-EXCAVATE AND REPLACE THE CLAYEY SOILS WITH CLEAN IN-SITU FINE SAND CONTAINING LESS THAN 5% FINES (PASSING ASTM SIEVE No. 200) AND HAVE A MINIMUM IN-PLACE VERTICAL PERMEABILITY RATE OF 20 FT/DAY OR GREATER FROM THE POND TO A DEPTH OF 3.0 FEET BELOW THE PLANNED ELEVATION OF THE POND BOTTOM, OR TO AN ELEVATION.
2. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.

SHEET C6.4
SHEET C6.2

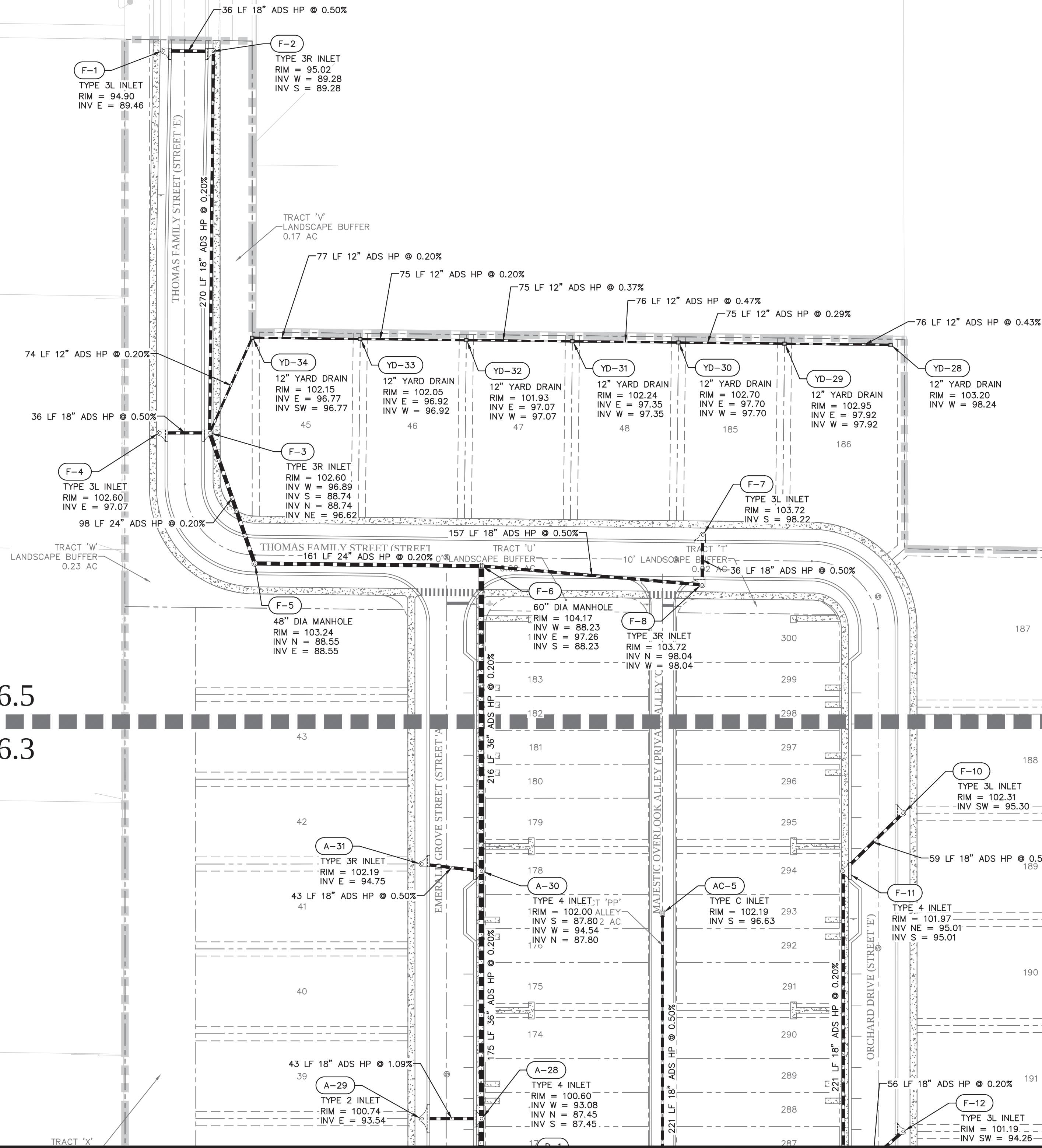
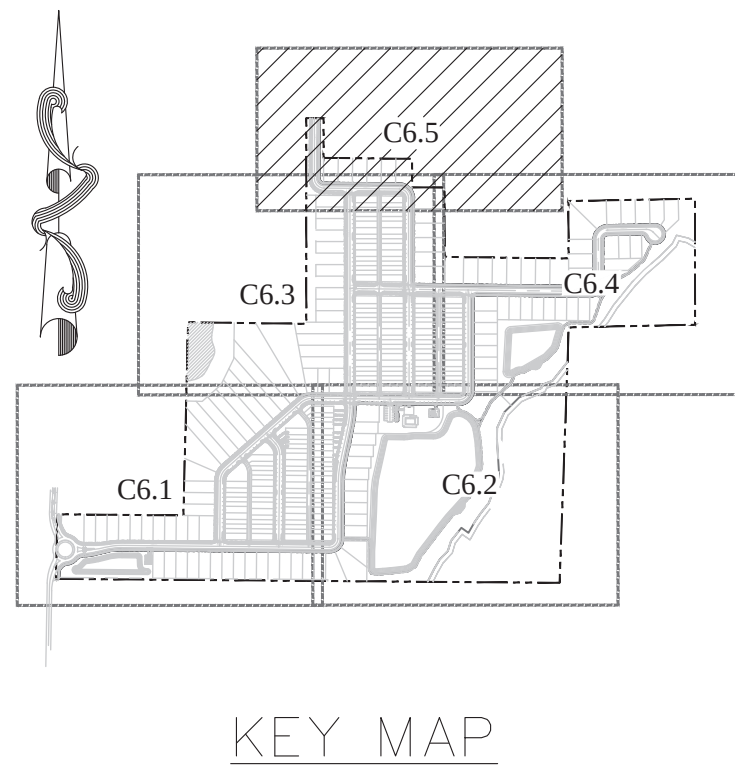
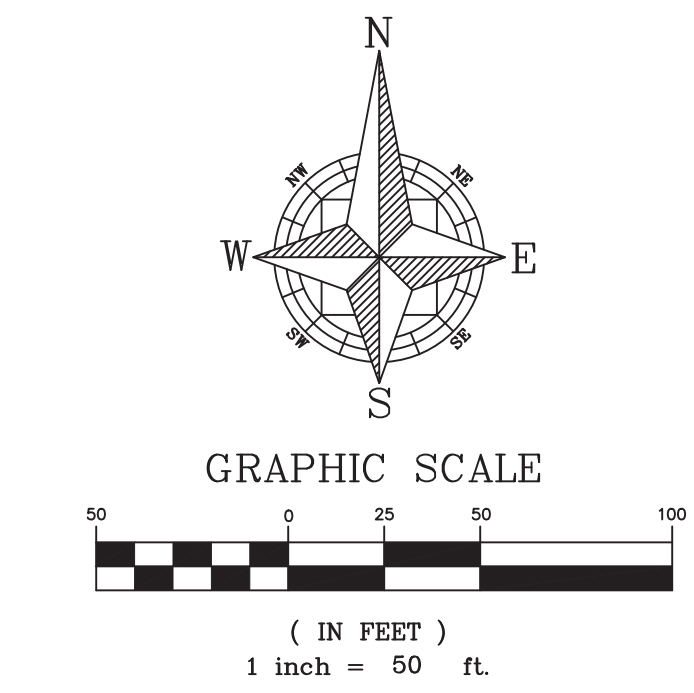


CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		2221 Lee Road, Suite 217, Winter Park, Florida 32789 STATE OF FLORIDA LICENSE NO. 00000000000000000000	
DRAINAGE PLAN - NORTHEAST		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA	
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25	SCALE: 1" = 50'	
PROJECT: DDC-001		SHEET: C6.4		SHEET 65 OF 120	

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\DRAINAGE PLAN.dwg Modified:12/10/2024 By: osanchez

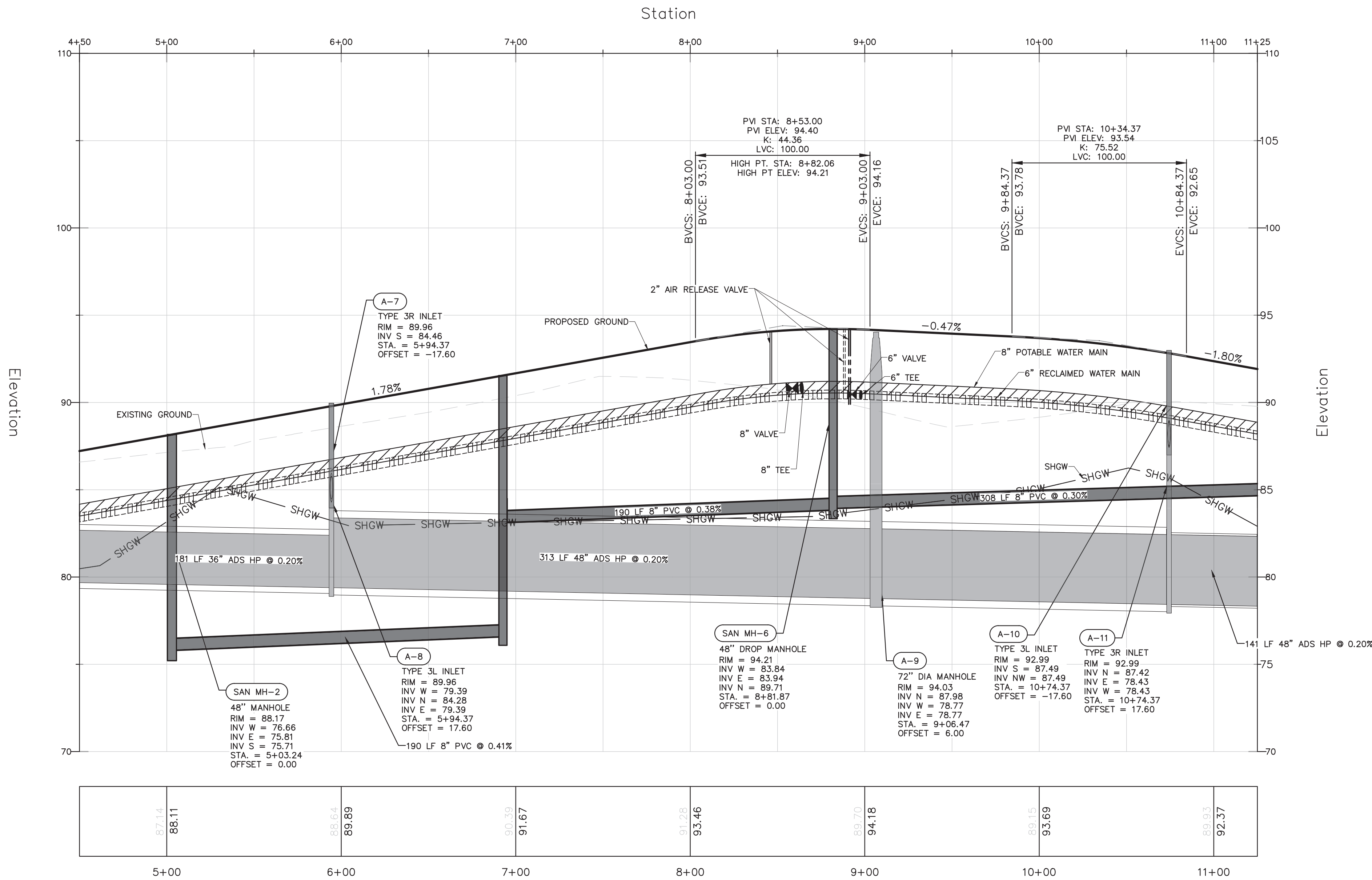
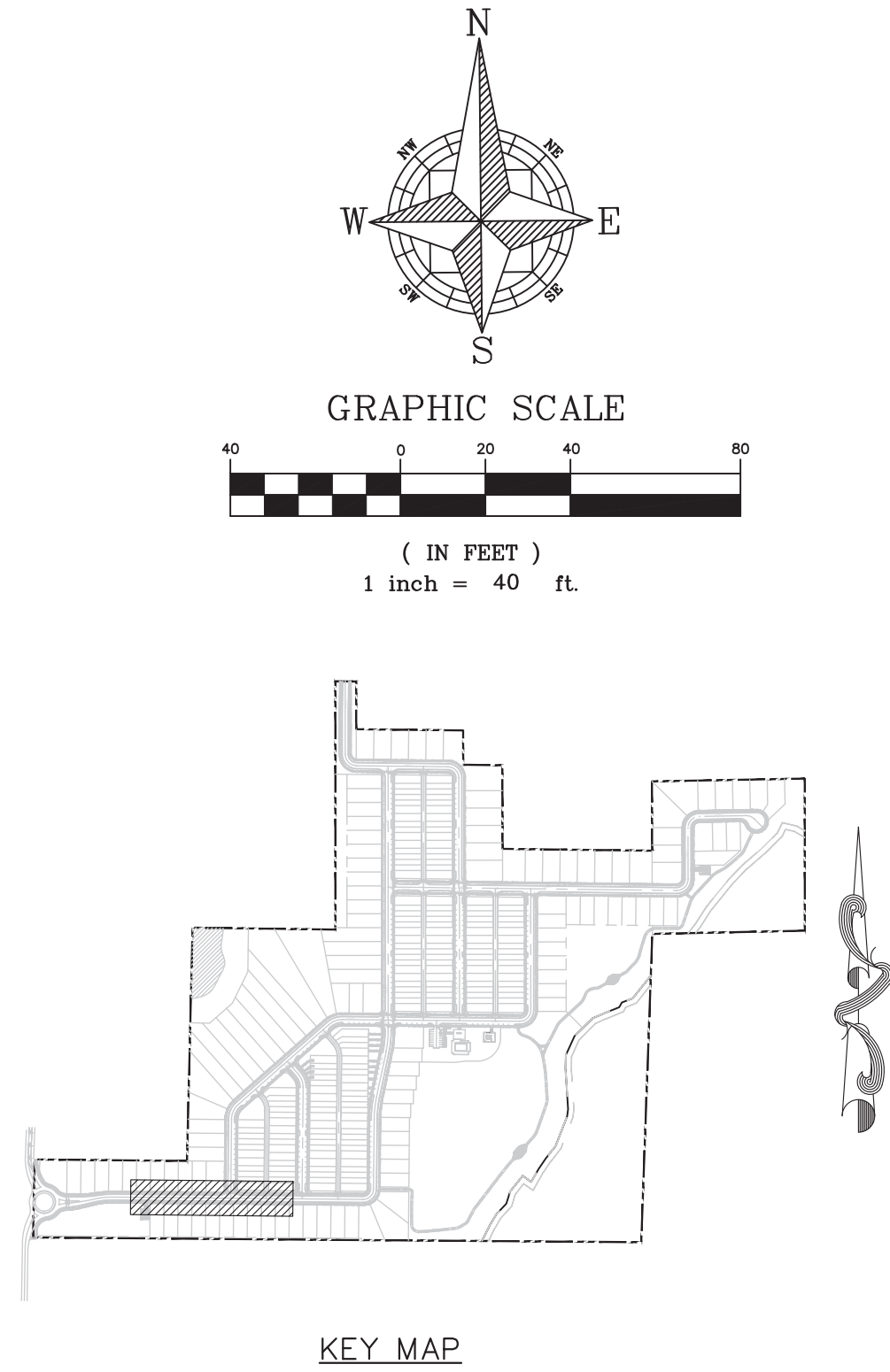
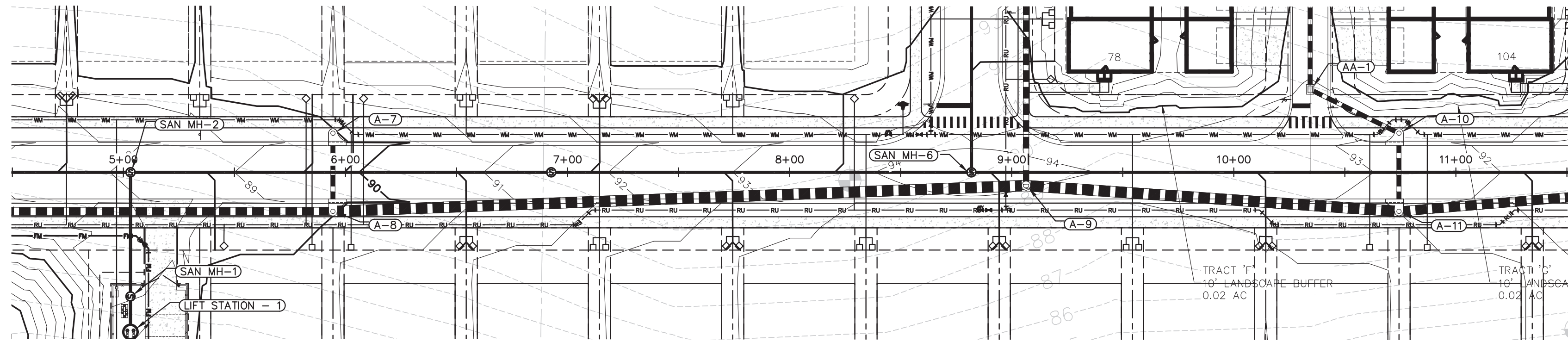
SHEET C6.5
SHEET C6.3

SHEET C6.5
SHEET C6.4



SHEET 66 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868	2221 Lee Road, Suite 217, Winter Park, Florida 32789	DATE	REV	DESCRIPTION	BY
DRAINAGE PLAN – NORTH		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)					
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 50'	PROJECT:	DDC-001	SHEET:	C6.5				



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

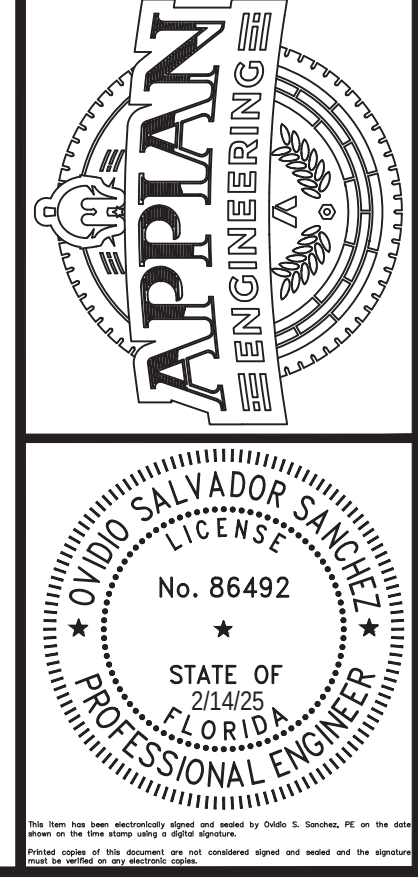
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

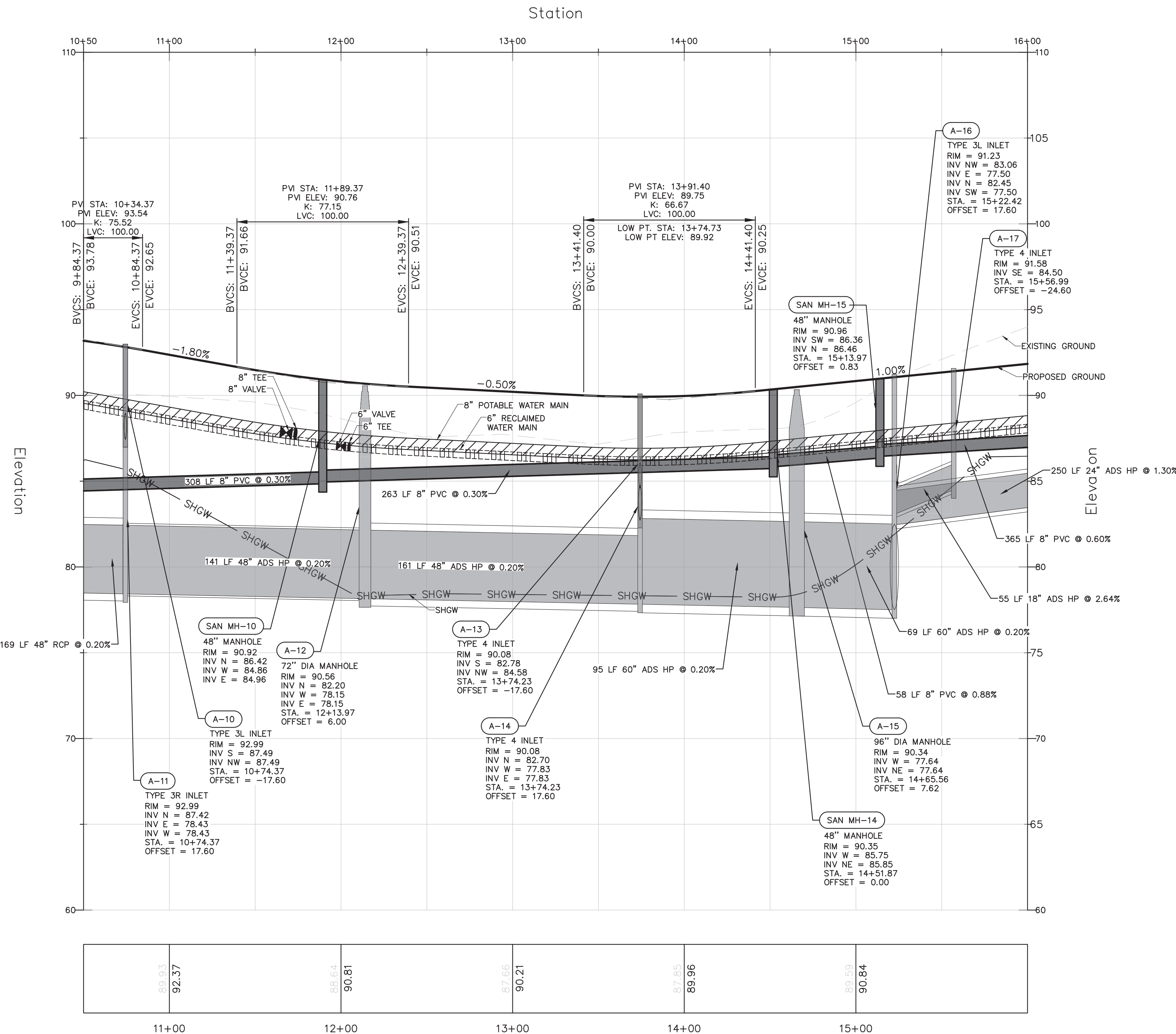
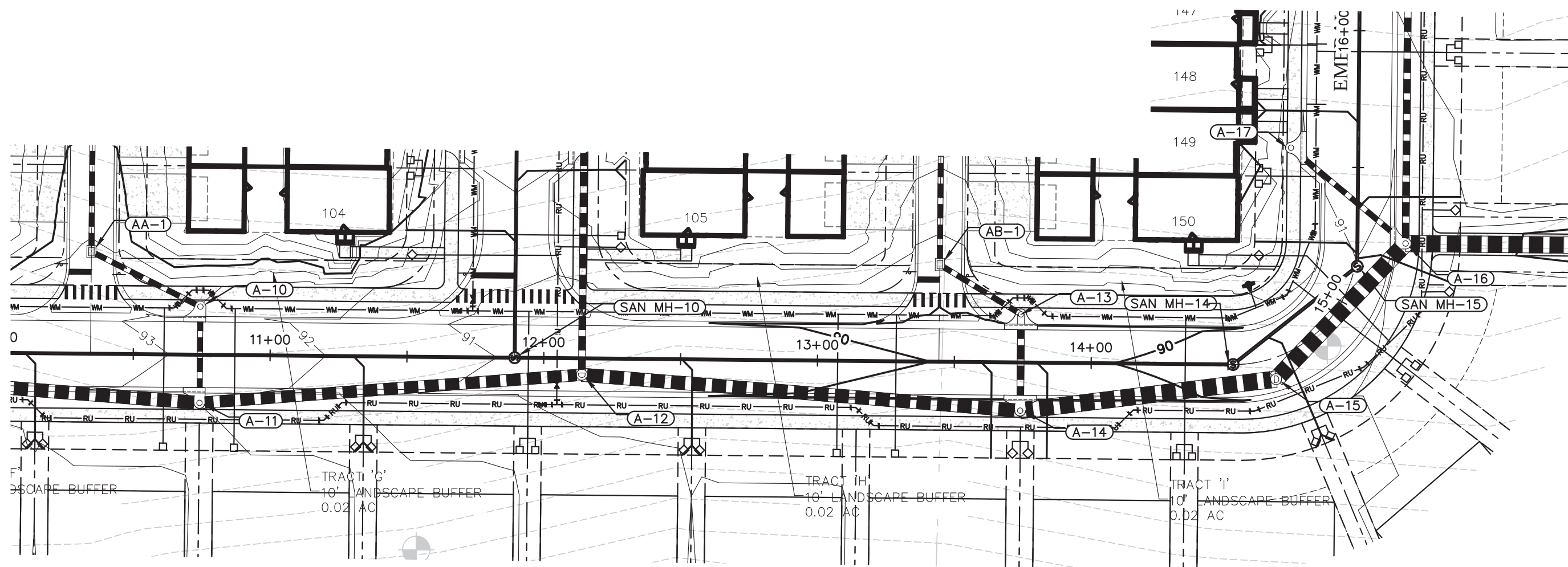
VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 68 OF 120

CIVIL ENGINEERING LAND PLANNING	PLAN & PROFILE - STREET A	DRAWN: B. KILLELA	SCALE: 1" = 40'	SHEET: C7.1	DATE: 2/14/25
APPIAN ENGINEERING LLC.	STA 5+00 TO STA 11+00	DESIGNED: O. SANCHEZ	PROJECT: DDC-001	CHECKED: O. SANCHEZ	
APPIANFL.COM • 407.960.5688	CONSTRUCTION SITE PLAN AMENDMENT				
2221 Lee Road, Suite 201, Winter Park, Florida 32789	EDEN CREST (FKA LEE TERRACE)				
STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 1212	CITY OF APOPKA, FLORIDA				
REV.	DATE	DESCRIPTION			BY



P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE - STREET Advg Modified:5/23/2024 By:osanchez



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

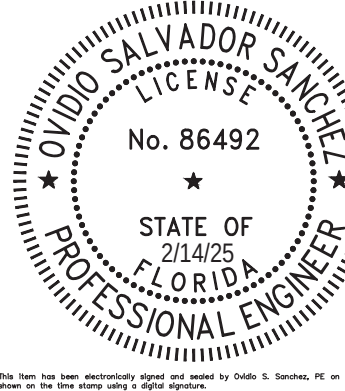
(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

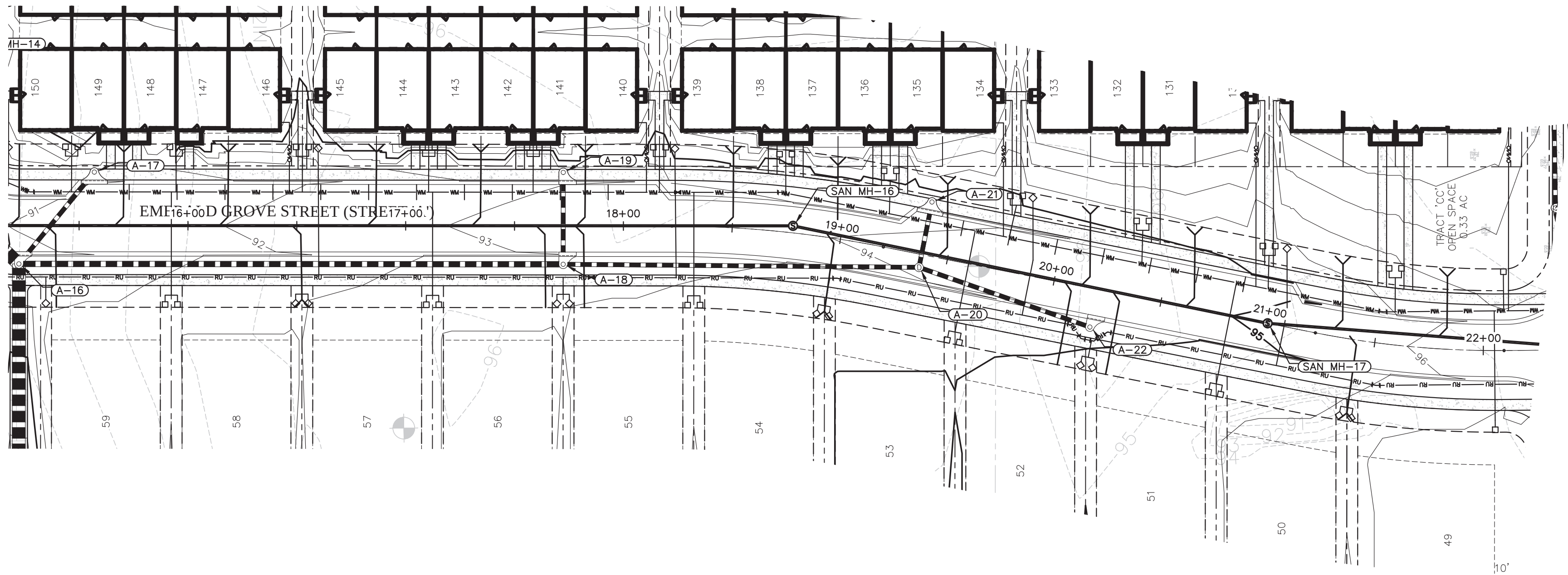
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

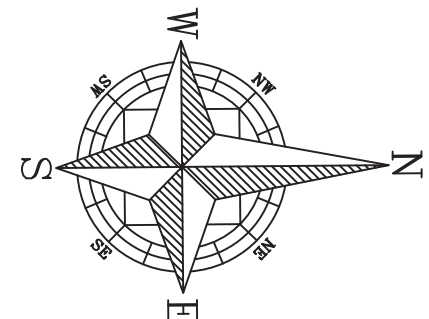
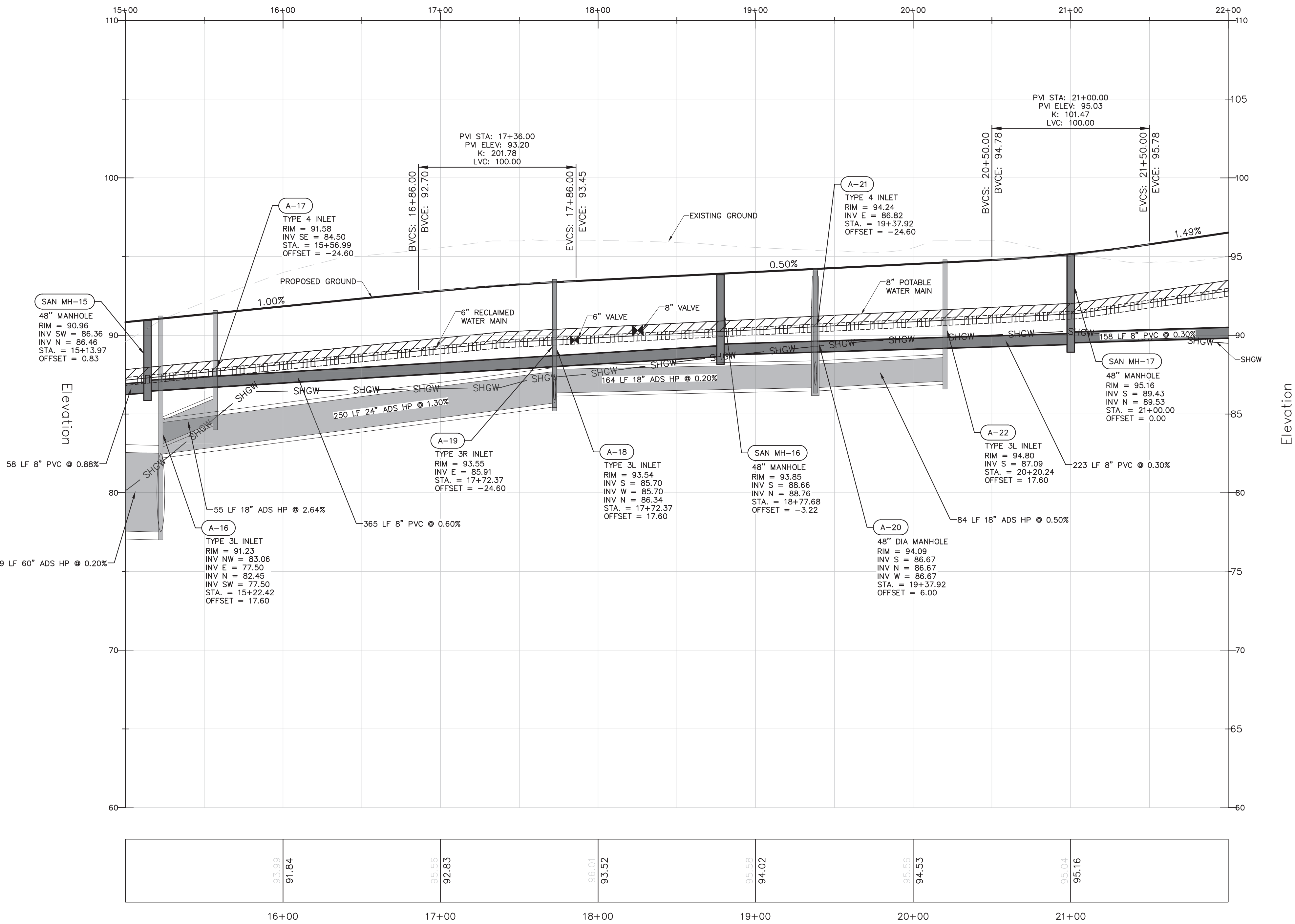
VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 69 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 201, Winter Park, Florida 32789		STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 00000000000000000000	
PLAN & PROFILE - STREET A		STA 11+00 TO STA 15+50		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 40'	PROJECT:	DDC-001	SHEET:	C7.2				
									
		DESCRIPTION							
		DATE							
		REV							
		BY							

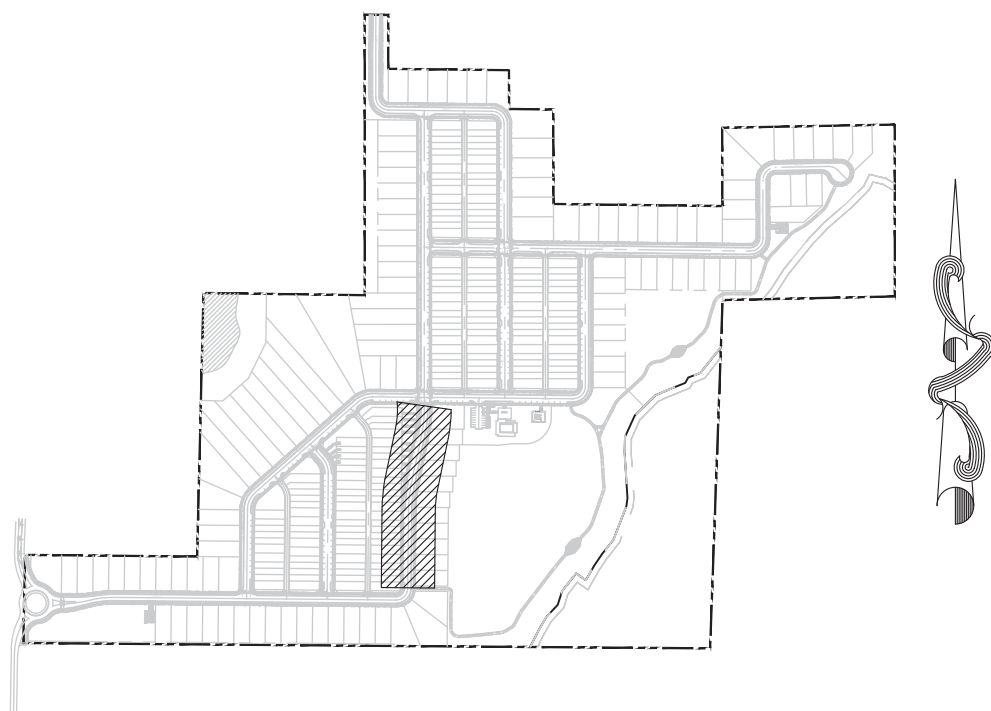


Station



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

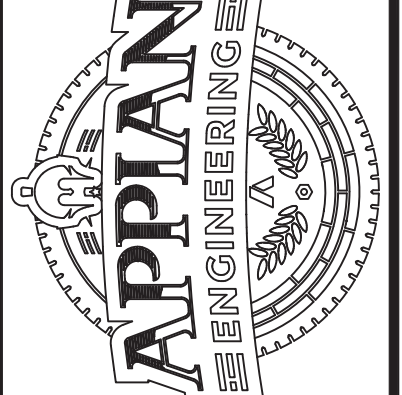
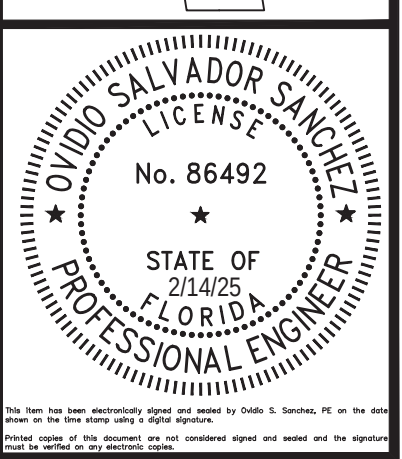
(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

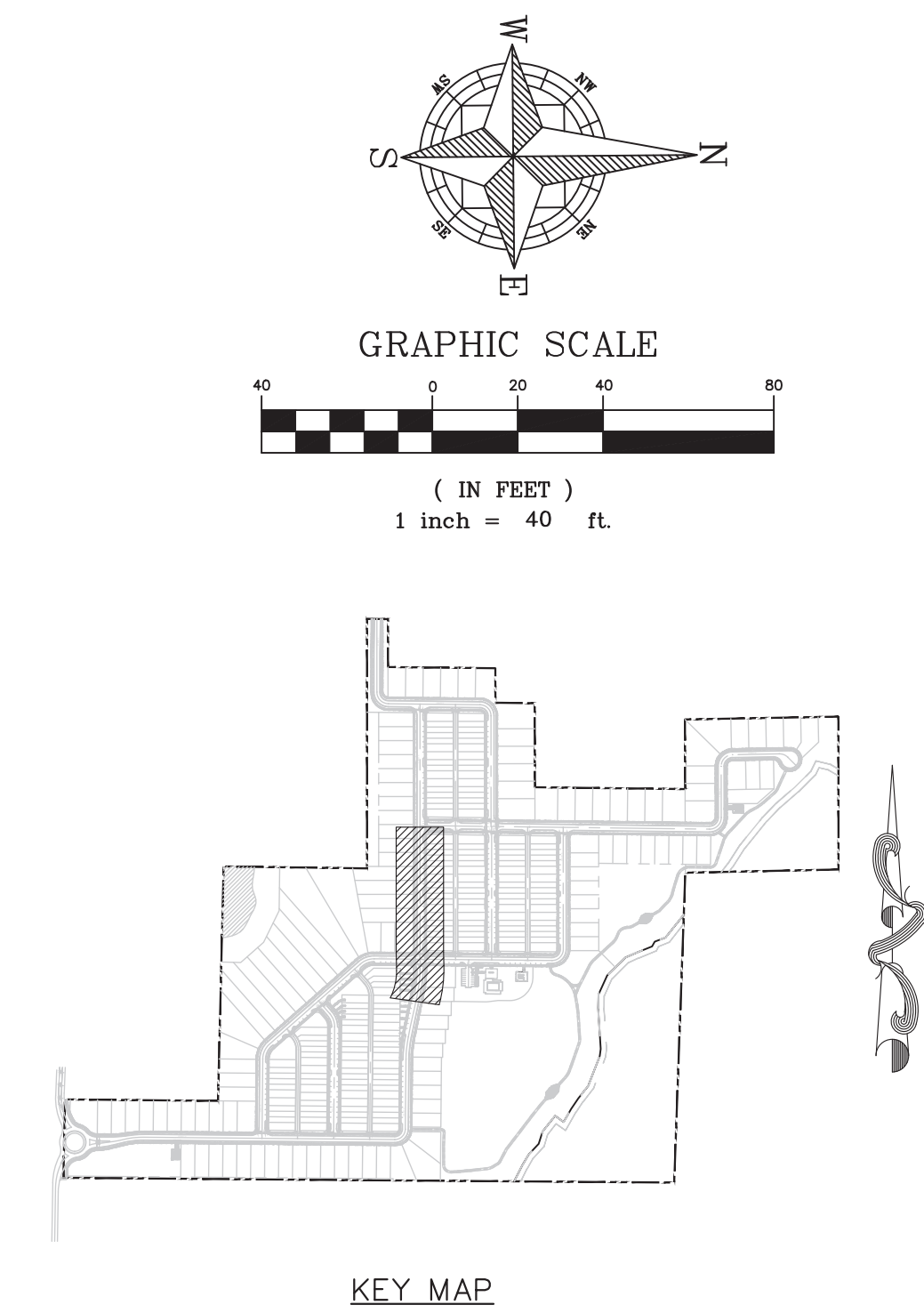
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 70 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 217, Wynona Park, Florida 32789		REV. DATE DESCRIPTION	
PLAN & PROFILE - STREET A		STA 15+50 TO STA 21+50		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 40'	PROJECT:	DDC-001	SHEET:	C7.3				
									

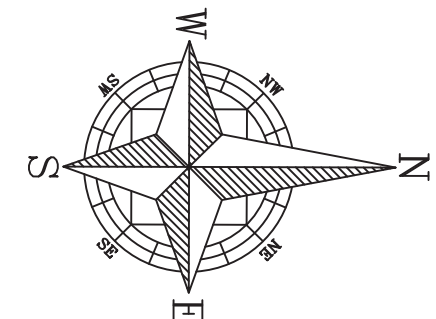
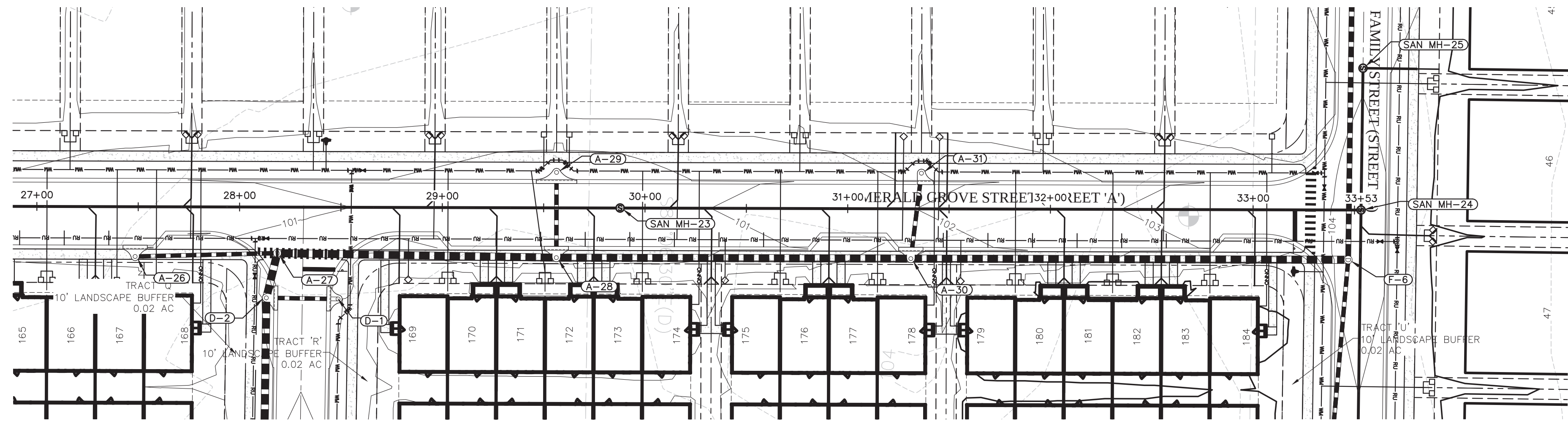


(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

SHEET 71 OF 120

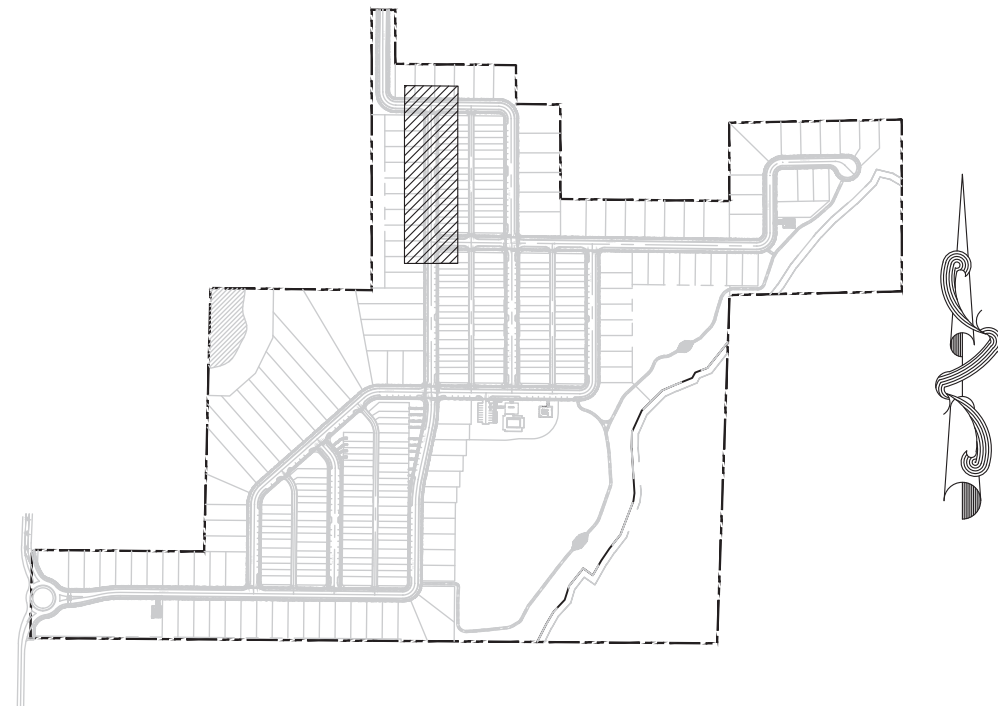
 	SCALE 1" = 40' PROJECT DDC-001 SHEET C7.4	DRAWN: B. KILLELA	PLAN & PROFILE – STREET A	CIVIL ENGINEERING LAND PLANNING APPLAN ENGINEERING LLC. APPLANFL.COM - 407.960.5968 2231 Lee Road, Suite 27, Winter Park, Florida 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION No. 1214	DATE	DESCRIPTION	BY
		DESIGNED: O. SANCHEZ	STA 21+50 TO STA 27+50		REV.		
		CHECKED: O. SANCHEZ	CONSTRUCTION SITE PLAN AMENDMENT				
		DATE: 2/14/25	EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA				

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil\Layouts\04 Final Engineering\PLAN & PROFILE - STREET Advg Modified:5/23/2024 By:osanchez



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

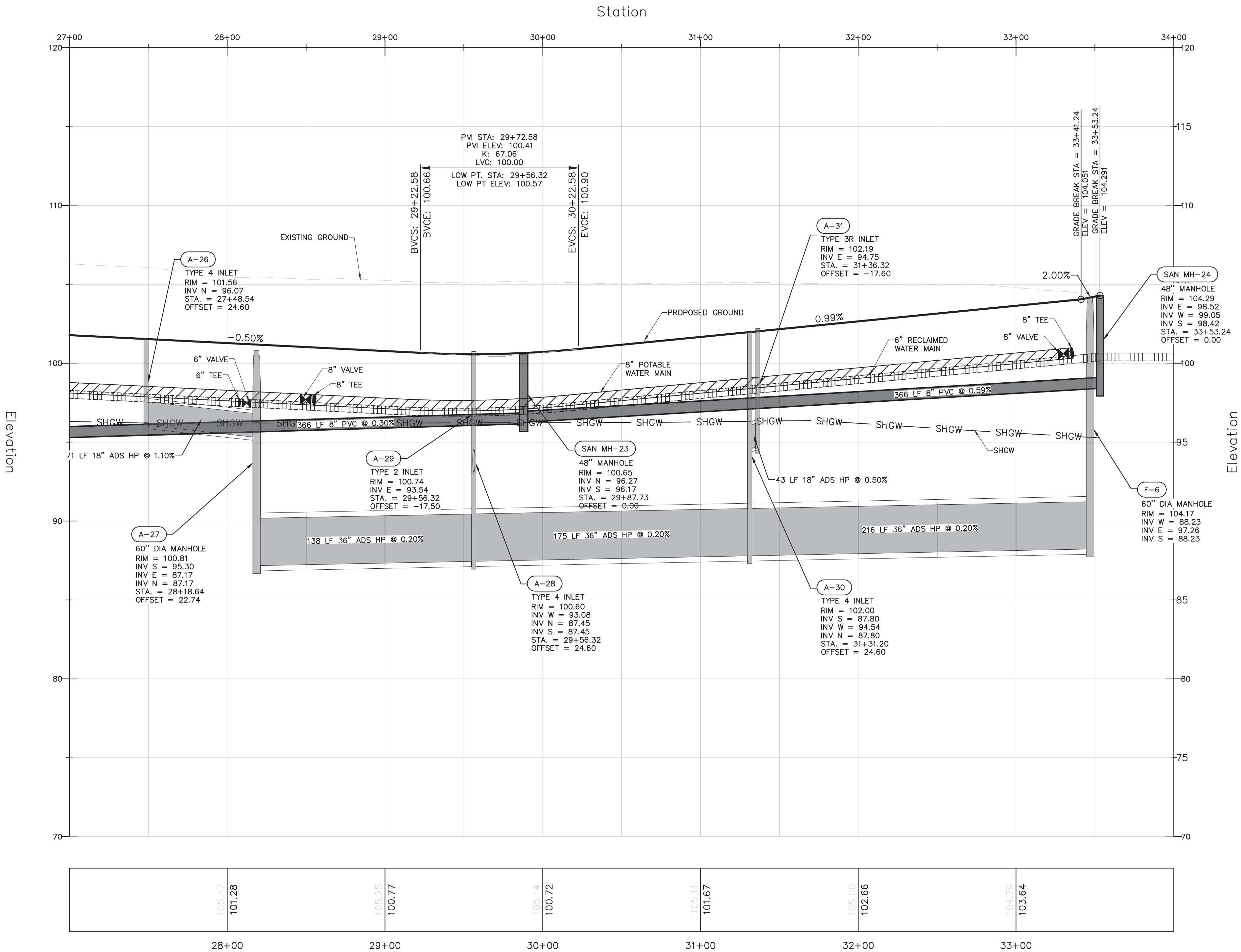
(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

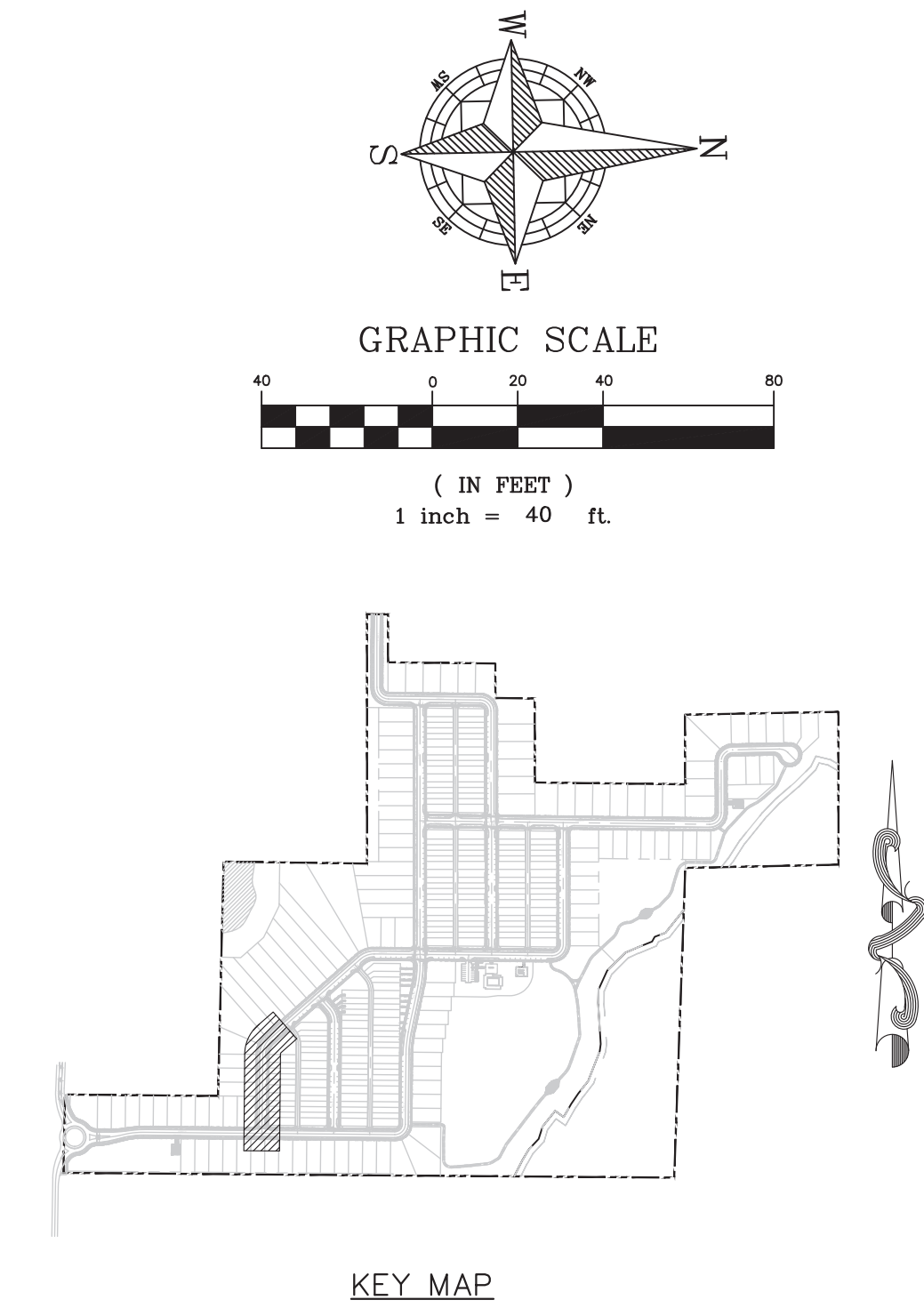
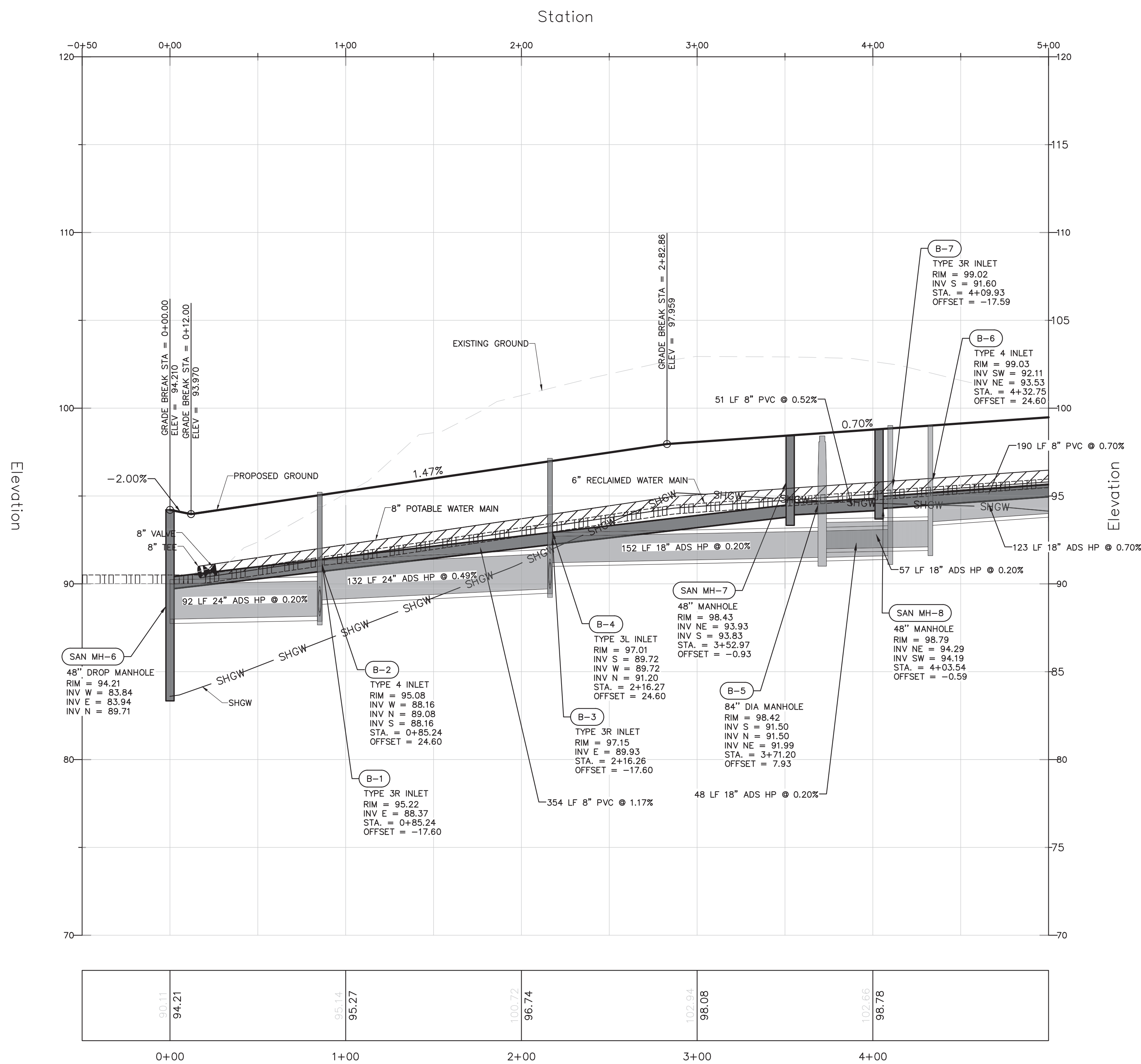
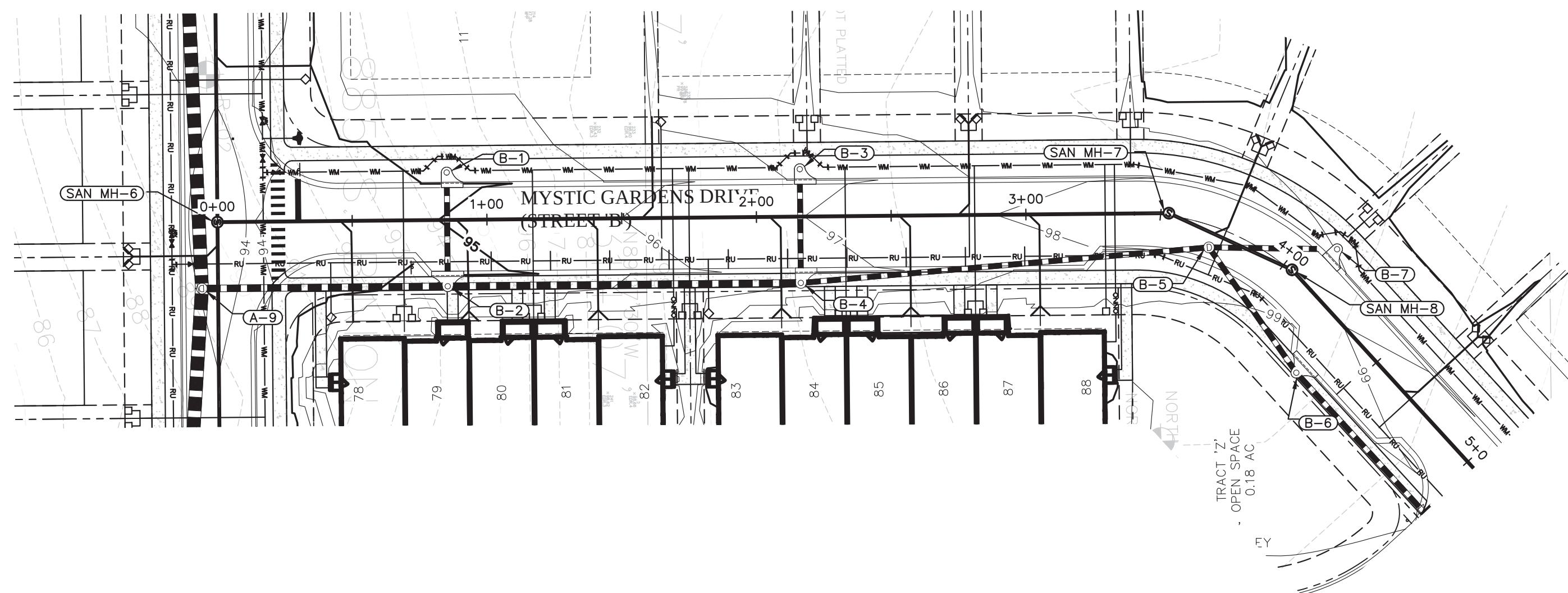
(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.



VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 72 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 207, Wynnton Park, Florida 32789		DESCRIPTION	
PLAN & PROFILE - STREET A		STA 27+50 TO STA 33+53		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 40'	PROJECT:	DDC-001	SHEET:	C7.5				



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED SEWER, STORM SEWER, CULVERT, TREATMENT PLANT, SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY FLOW SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

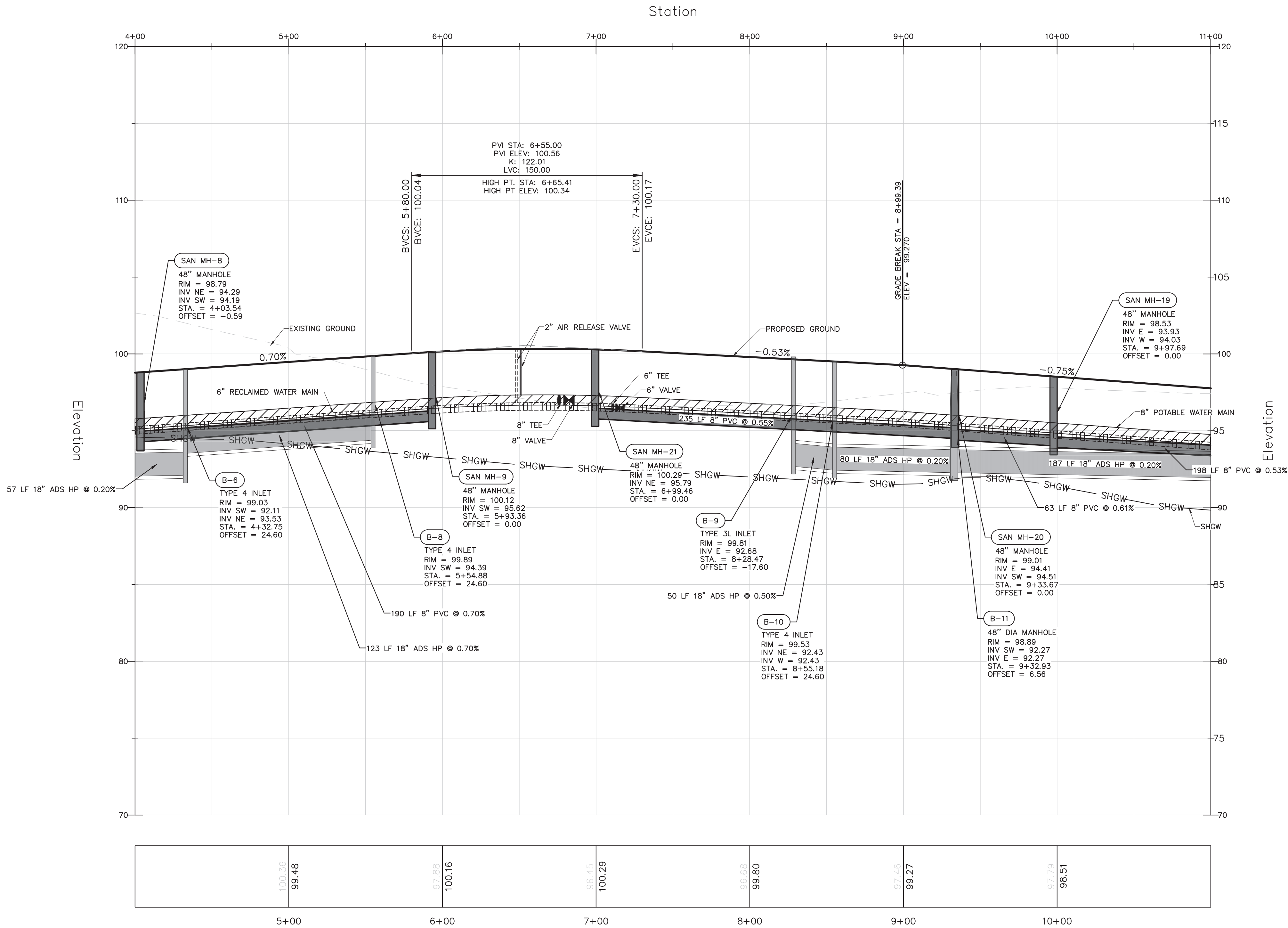
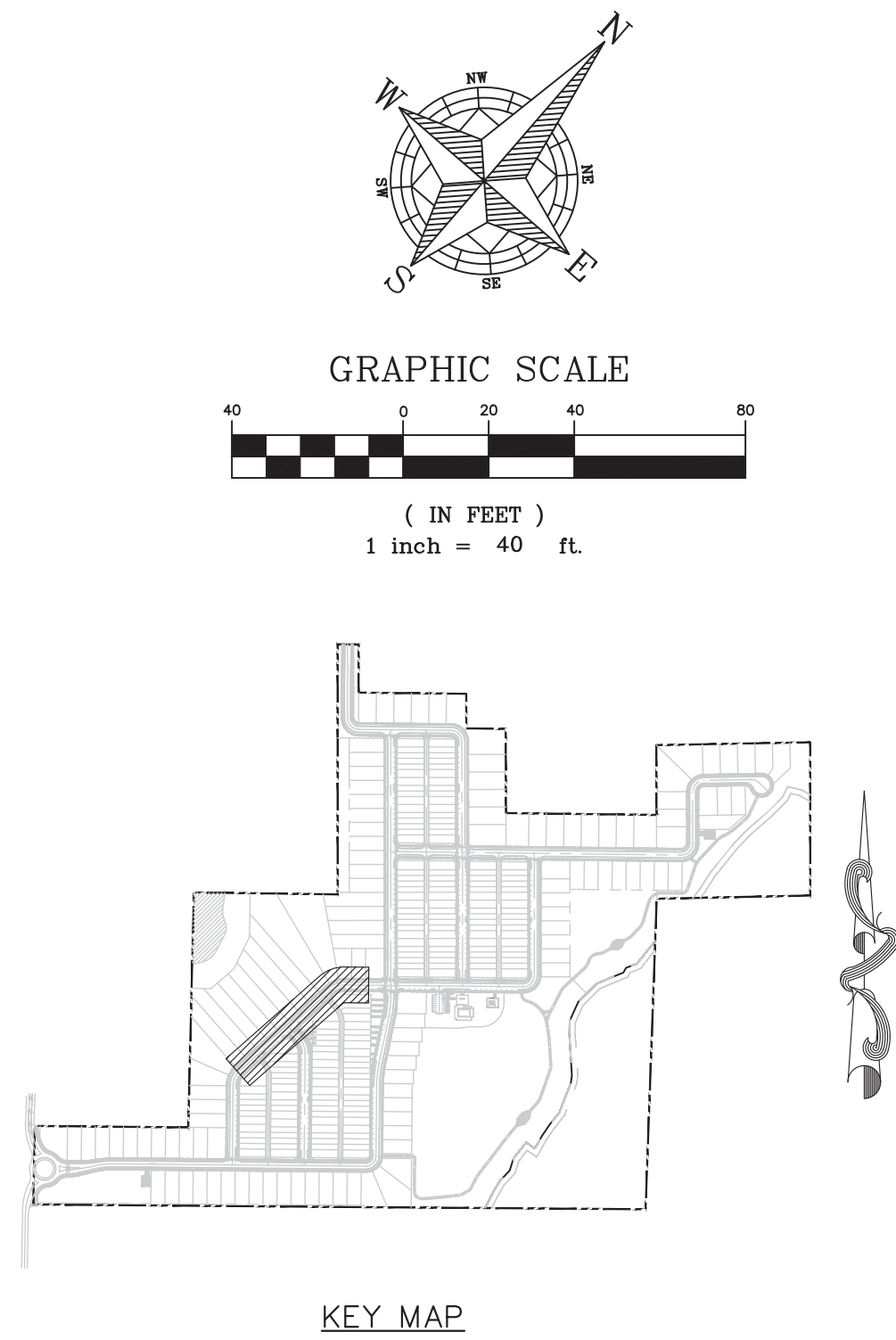
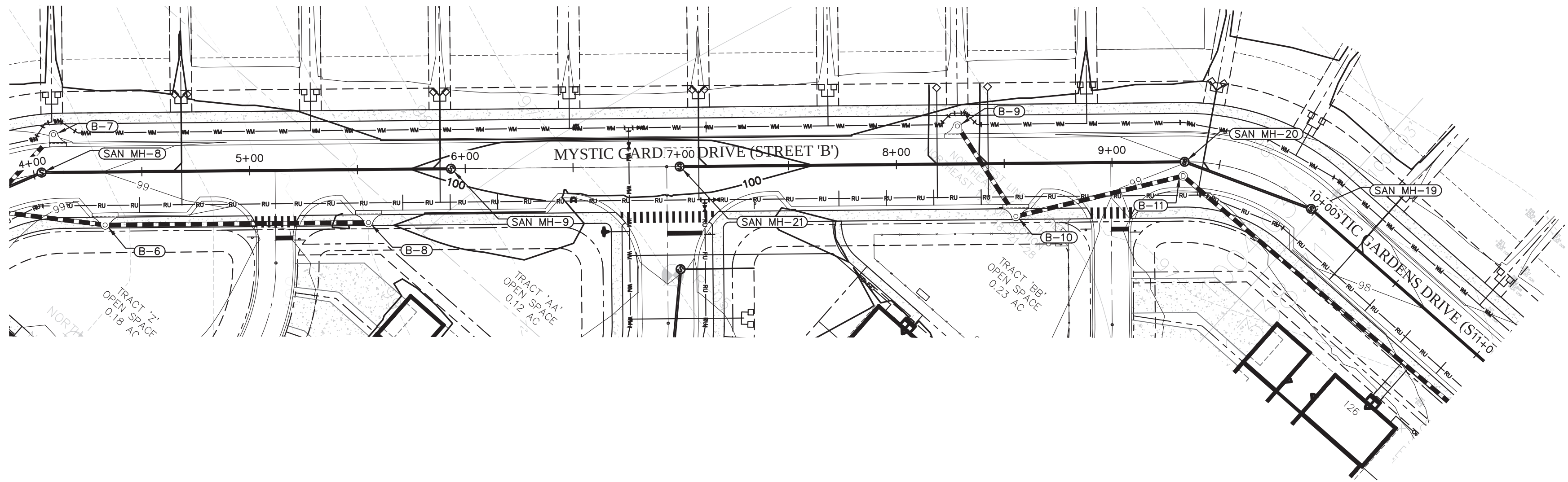
(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AN SUCH CROSSING, THE PIPE SHALL BE ARRANGED SO THAT A 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-PIPED SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 73 OF 120



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

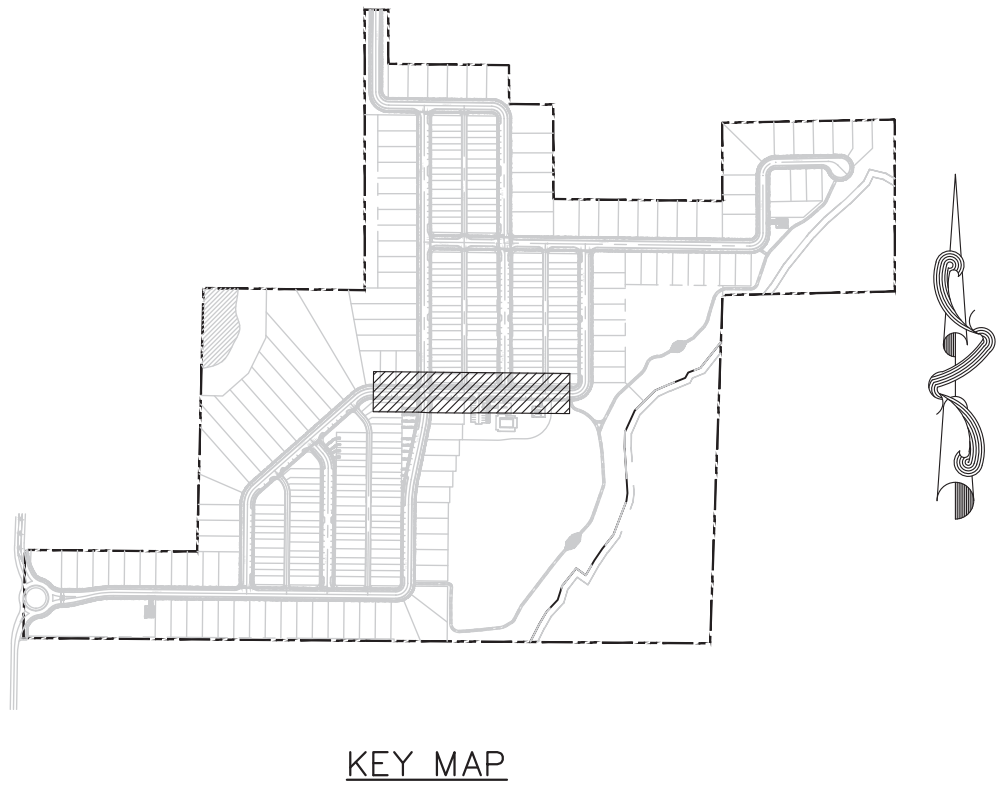
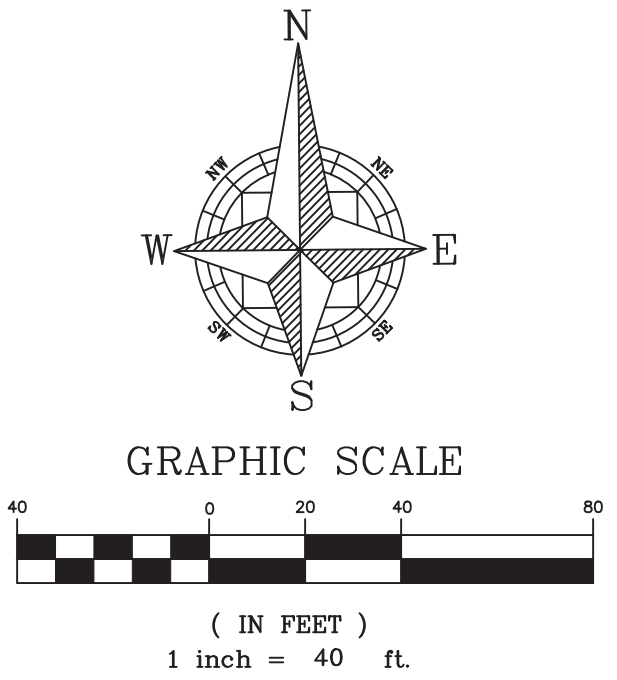
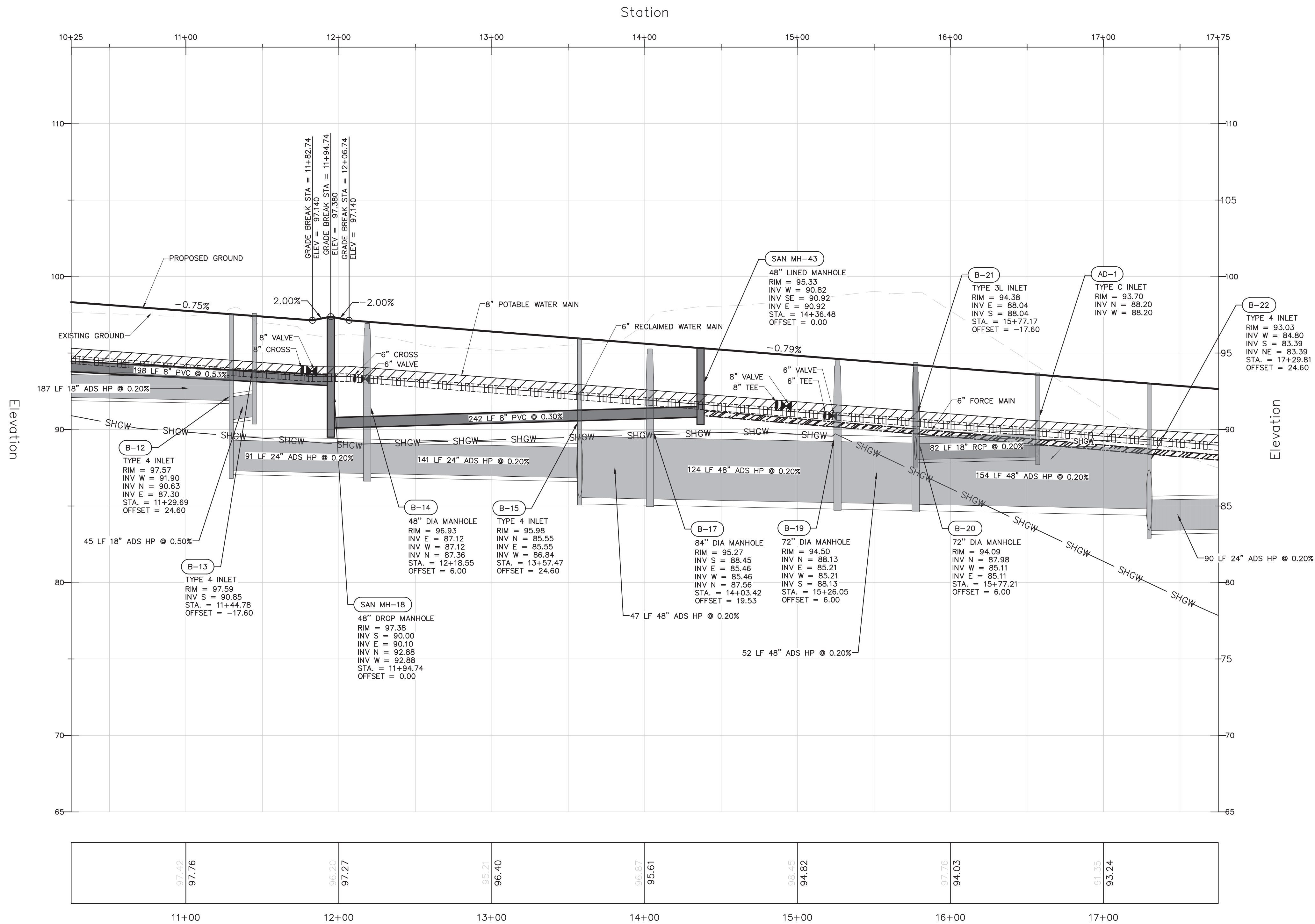
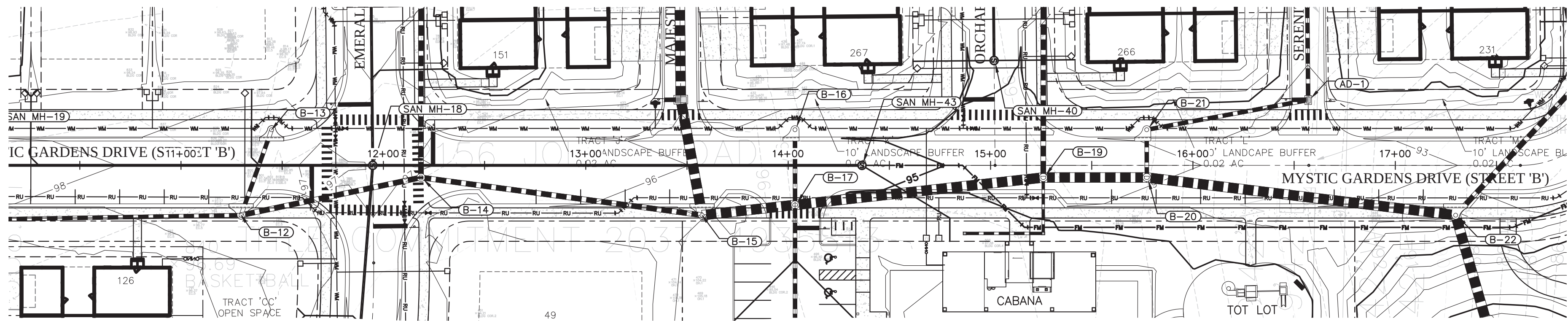
(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 74 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 217, Wynona Park, Florida 32789		DATE		DESCRIPTION		BY	
PLAN & PROFILE - STREET B		STA 4+50 TO STA 10+50		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA					
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/14/25							
SCALE: 1" = 40'		PROJECT: DDC-001		SHEET: C7.7									

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil\Layouts\04 Final Engineering\PLAN & PROFILE - STREET B.dwg Modified: 5/21/2024 By: bkillela



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

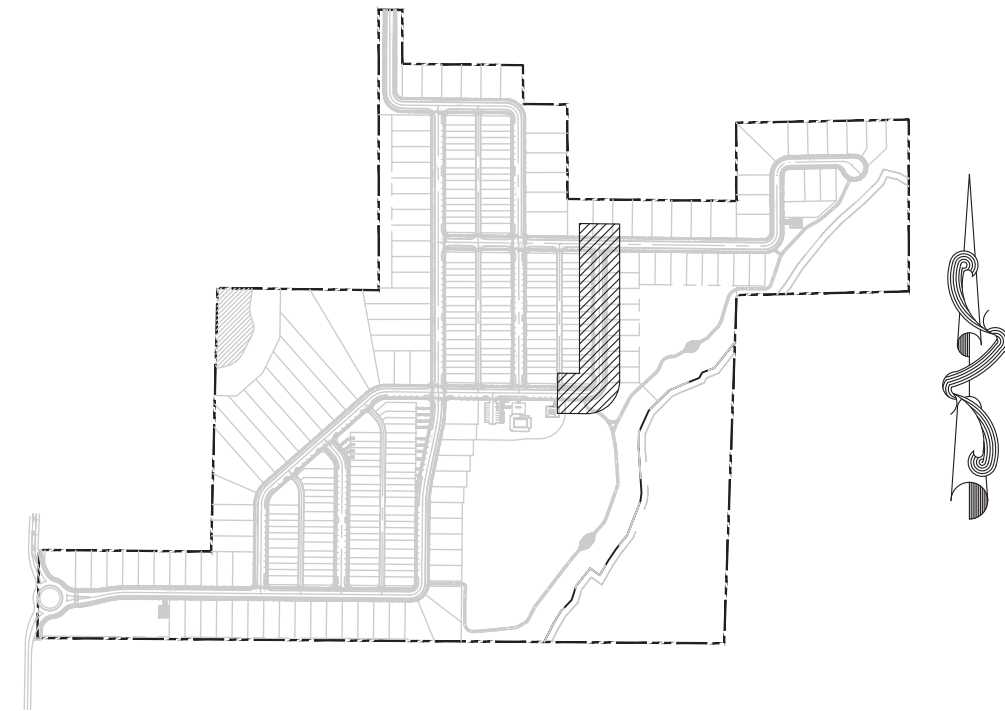
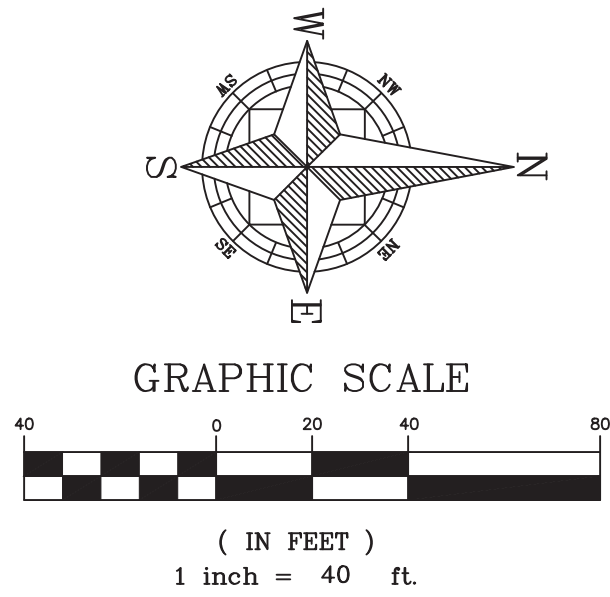
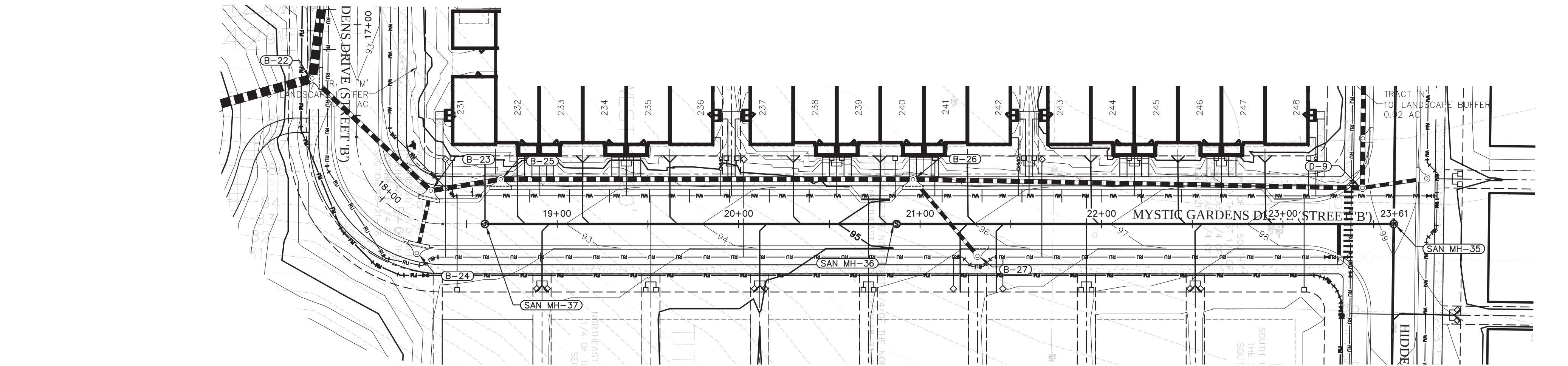
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

CIVIL ENGINEERING LAND PLANNING	PLAN & PROFILE - STREET B	DRAWN: B. KILLELA	SCALE: 1" = 40'	APPIAN ENGINEERING No. 86492 STATE OF FLORIDA PROFESSIONAL ENGINEER	2/14/25
APPIAN ENGINEERING LLC.	STA 10+50 TO STA 17+50	DESIGNED: O. SANCHEZ	PROJECT: DDC-001		
APPIANFL.COM • 407.960.5688	CONSTRUCTION SITE PLAN AMENDMENT	CHECKED: O. SANCHEZ	SHEET: C7.8		
2221 Lee Road, Suite 201, Winter Park, Florida 32789	EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA				
DATE	REV				DESCRIPTION
					BY

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil\Layouts\04 Final Engineering\PLAN & PROFILE - STREET B.dwg Modified: 5/21/2024 By: bkllela



KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

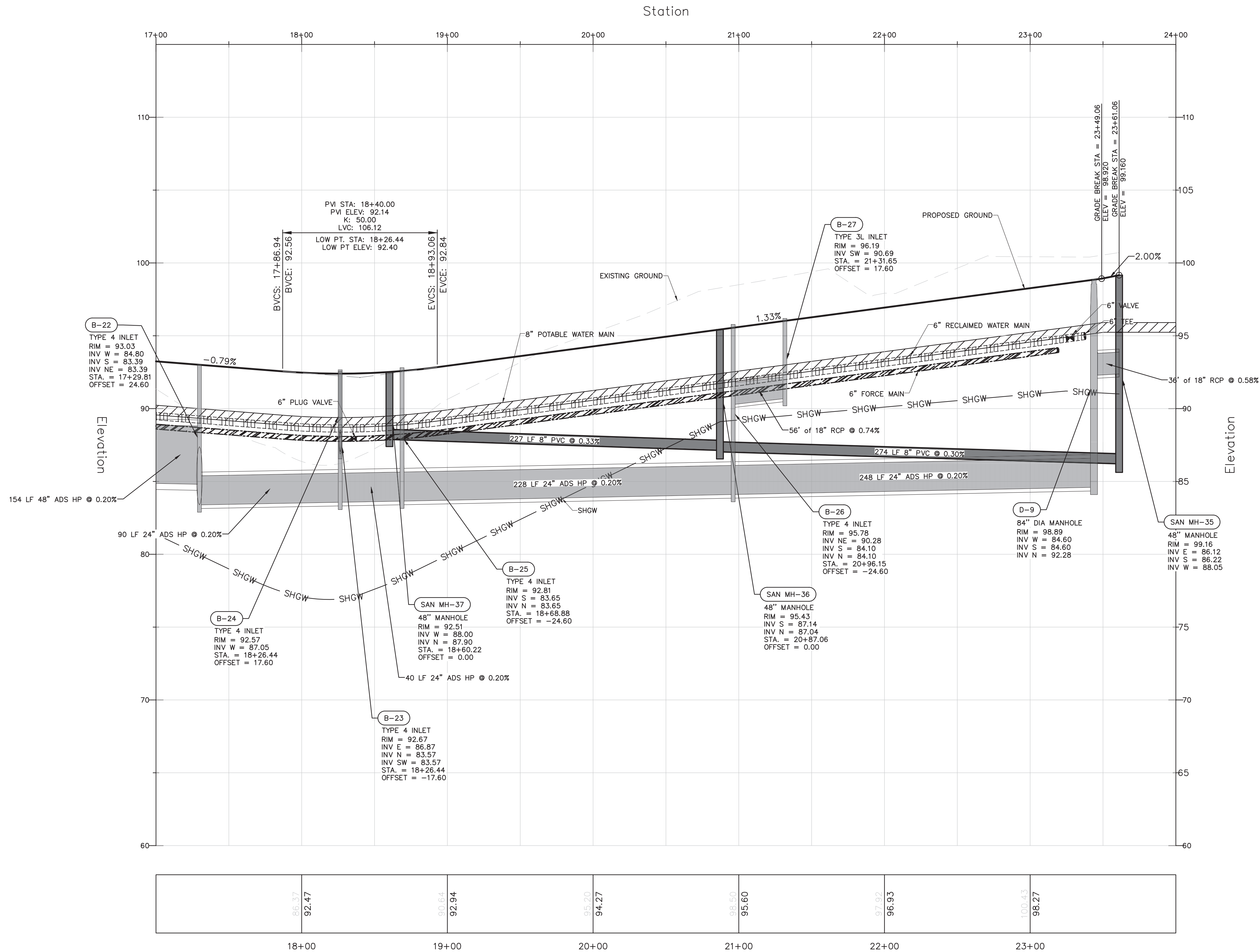
(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

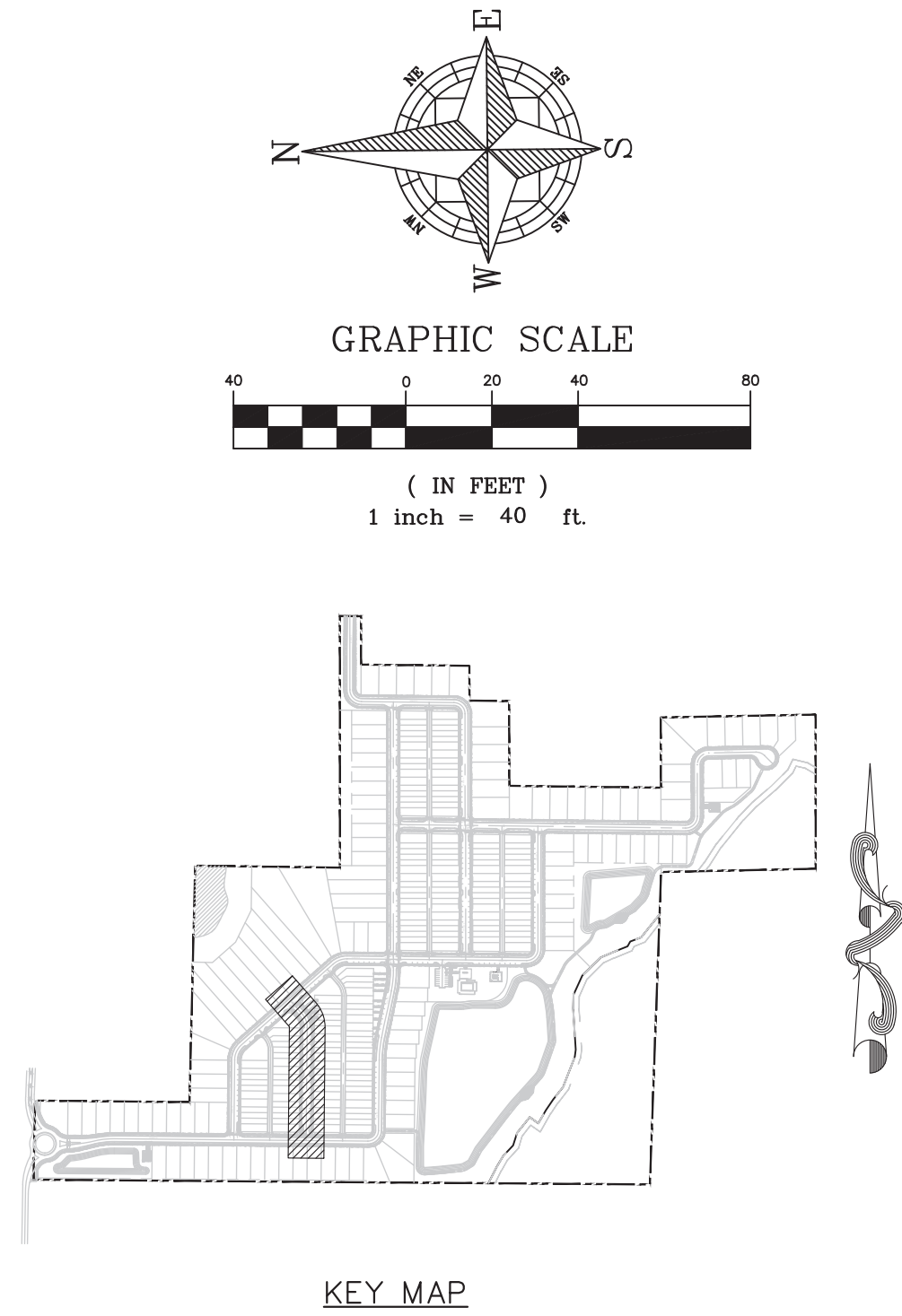
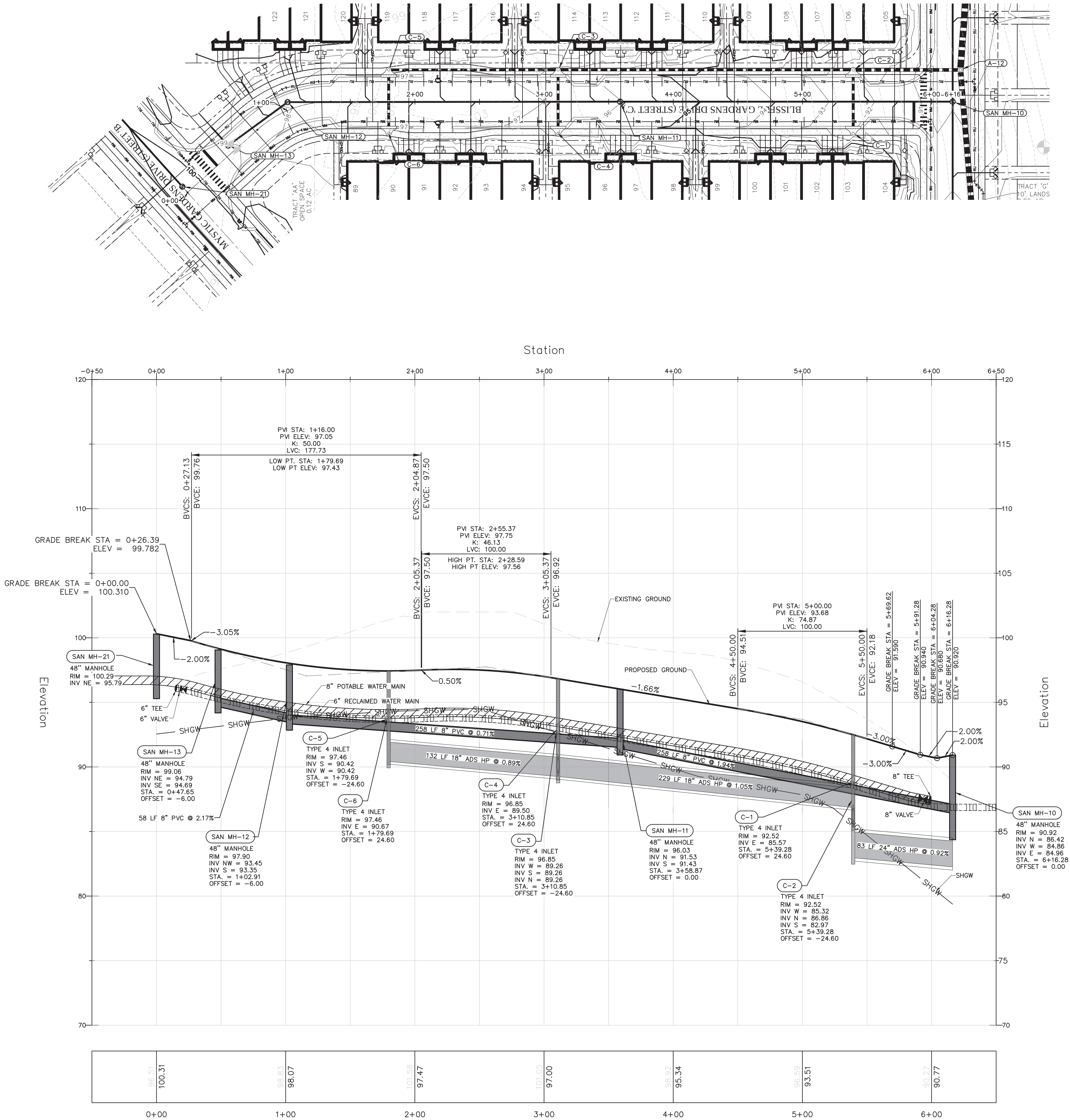
(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.



VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
APPIANFL.COM • 407.960.5688	
2221 Lee Road, Suite 217, Winter Park, Florida 32789	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND NOT FOR DISTRIBUTION OUTSIDE THE PROJECT.	
PLAN & PROFILE - STREET B	STA 17+50 TO STA 23+61
CONSTRUCTION SITE PLAN AMENDMENT	EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA	
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ
CHECKED: O. SANCHEZ	DATE: 2/14/25
SCALE: 1" = 40'	PROJECT: DDC-001
SHEET: C7.9	

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE - STREET C.dwg Modified:12/10/2024 By:osanchez



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

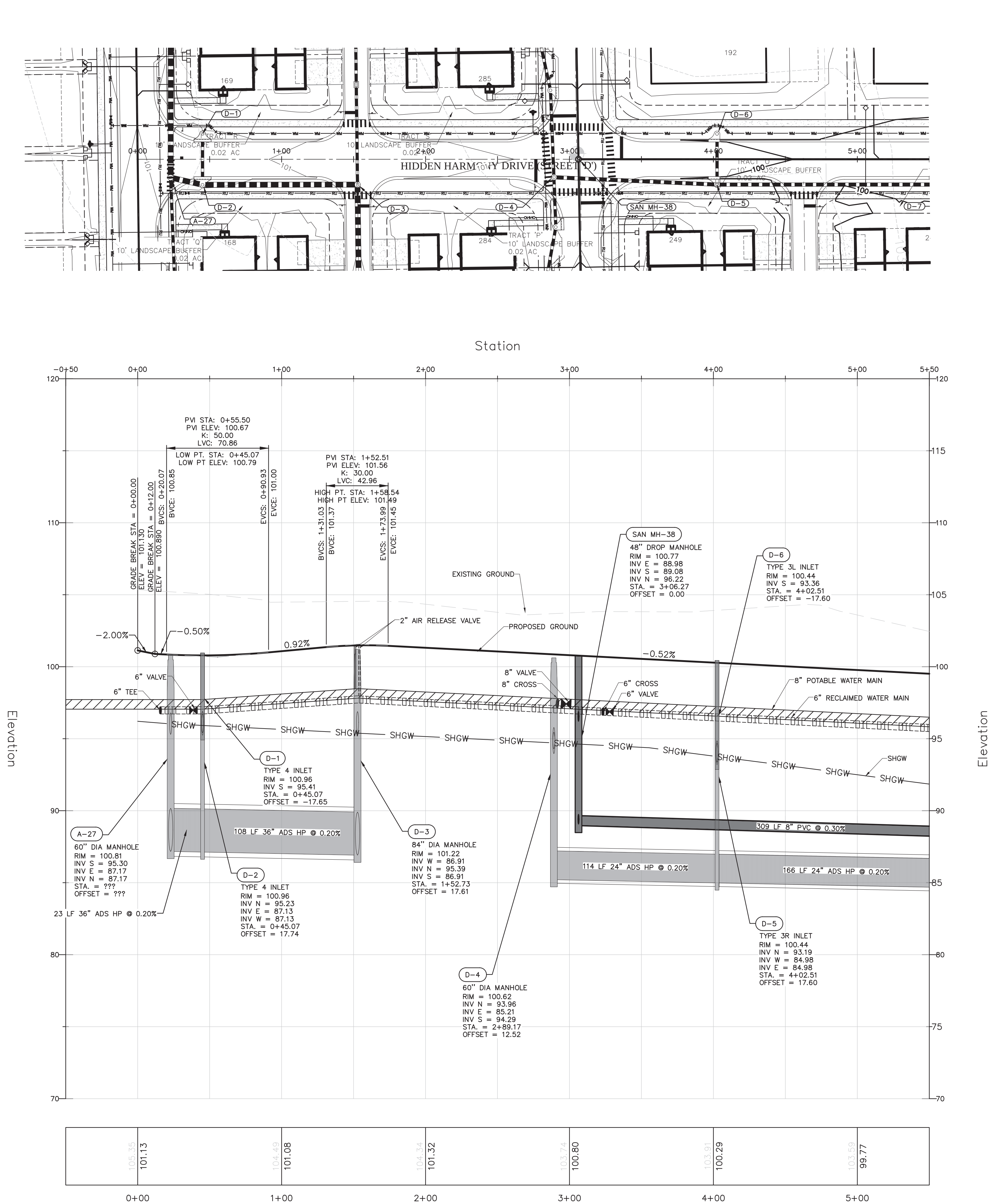
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
2221 Lee Road, Suite 217, Weston, FL 33327	
TEL: 754.940.0000 FAX: 754.940.0001	
WWW.APPIANFL.COM • 407.960.5868	
REV.	DATE
1	12/10/2024
DESCRIPTION	
PLAN & PROFILE - STREET C	
CONSTRUCTION SITE PLAN AMENDMENT	
EDEN CREST (FKA LEE TERRACE)	
CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA
DESIGNED:	O. SANCHEZ
CHECKED:	O. SANCHEZ
DATE:	2/14/25
SCALE	1" = 40'
PROJECT	DDC-001
SHEET	C7.10

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE - STREET D.dwg Modified: 5/23/2024 By: osanchez



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

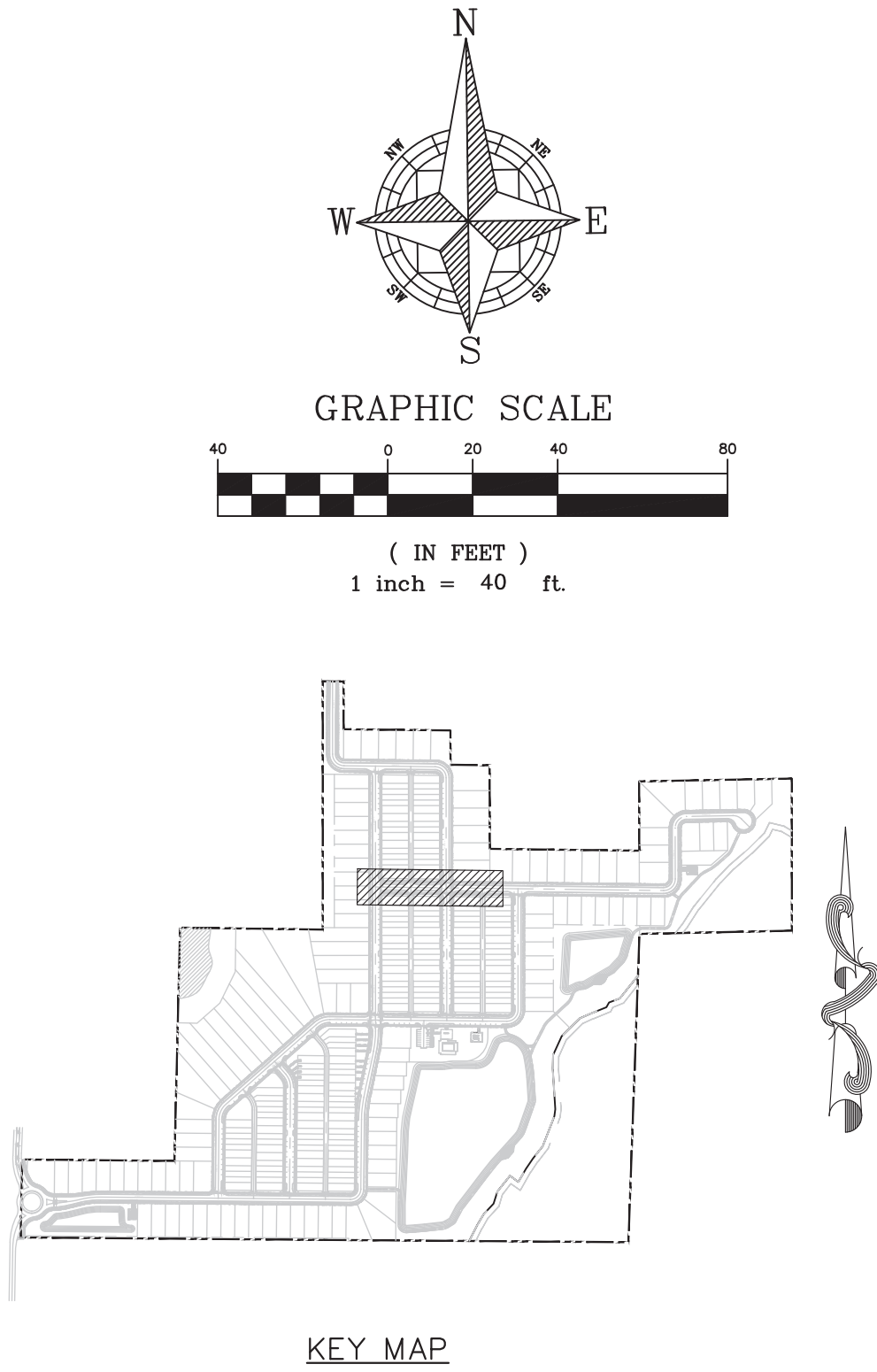
(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

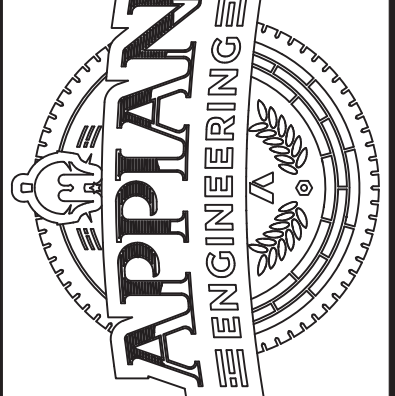
(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

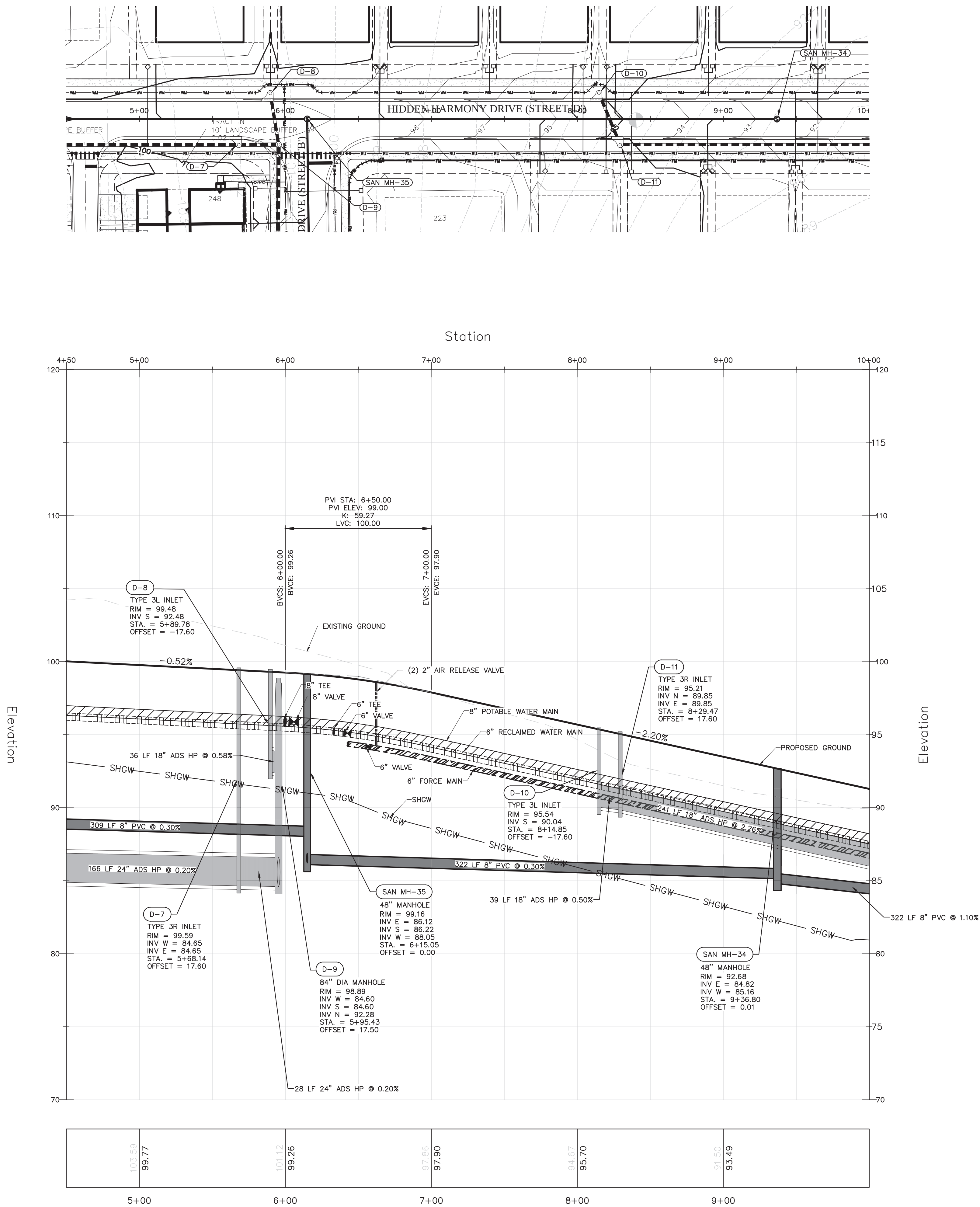
(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.



CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Weston, FL 33327		DATE		BY	
PLAN & PROFILE - STREET D		STA 0+00 TO STA 5+00		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA			
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25				
SCALE:	1" = 40'	PROJECT:	DDC-001	SHEET:	C7.11						
											

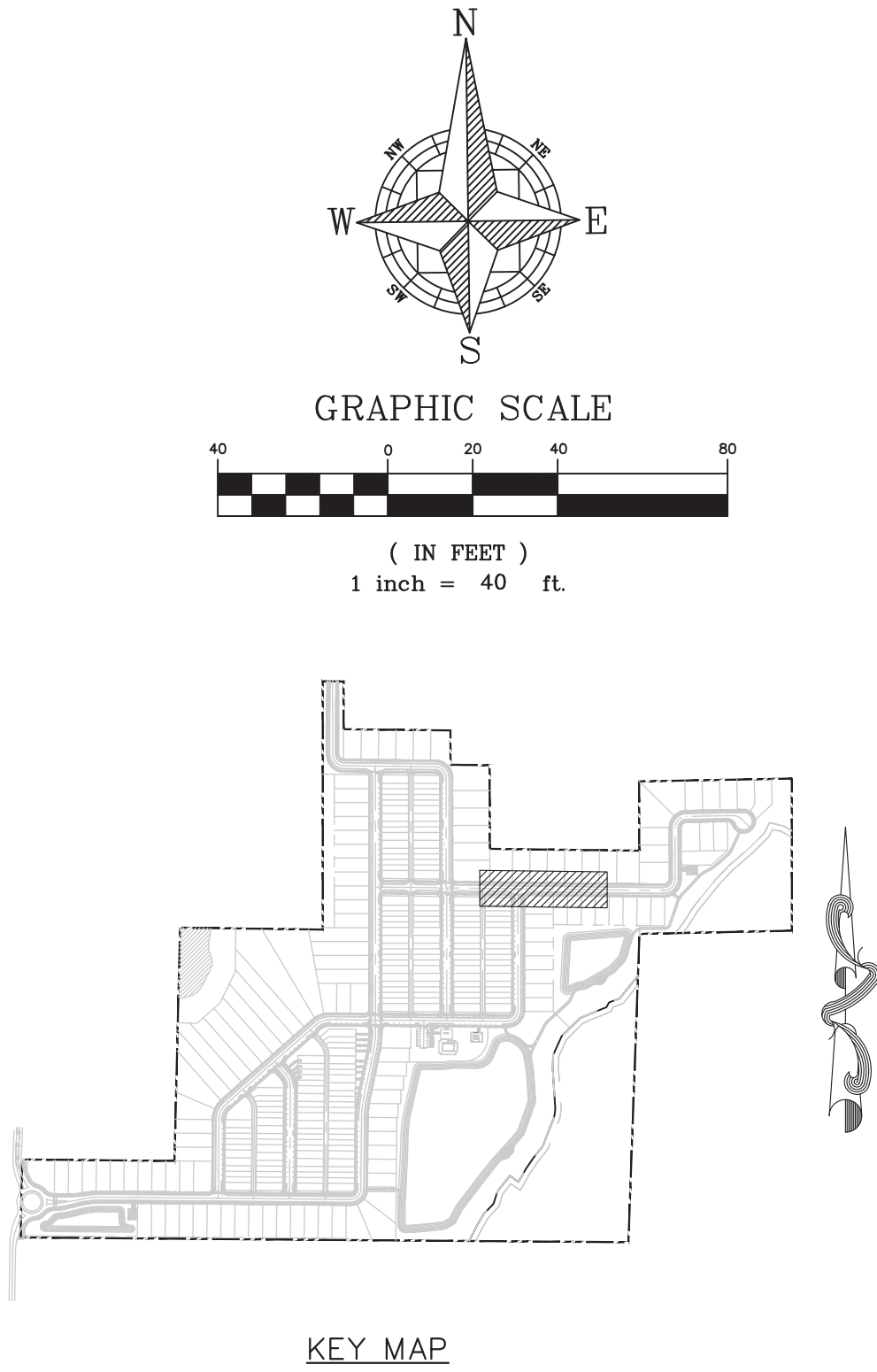
VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE - STREET D.dwg Modified: 5/23/2024 By: osanchez



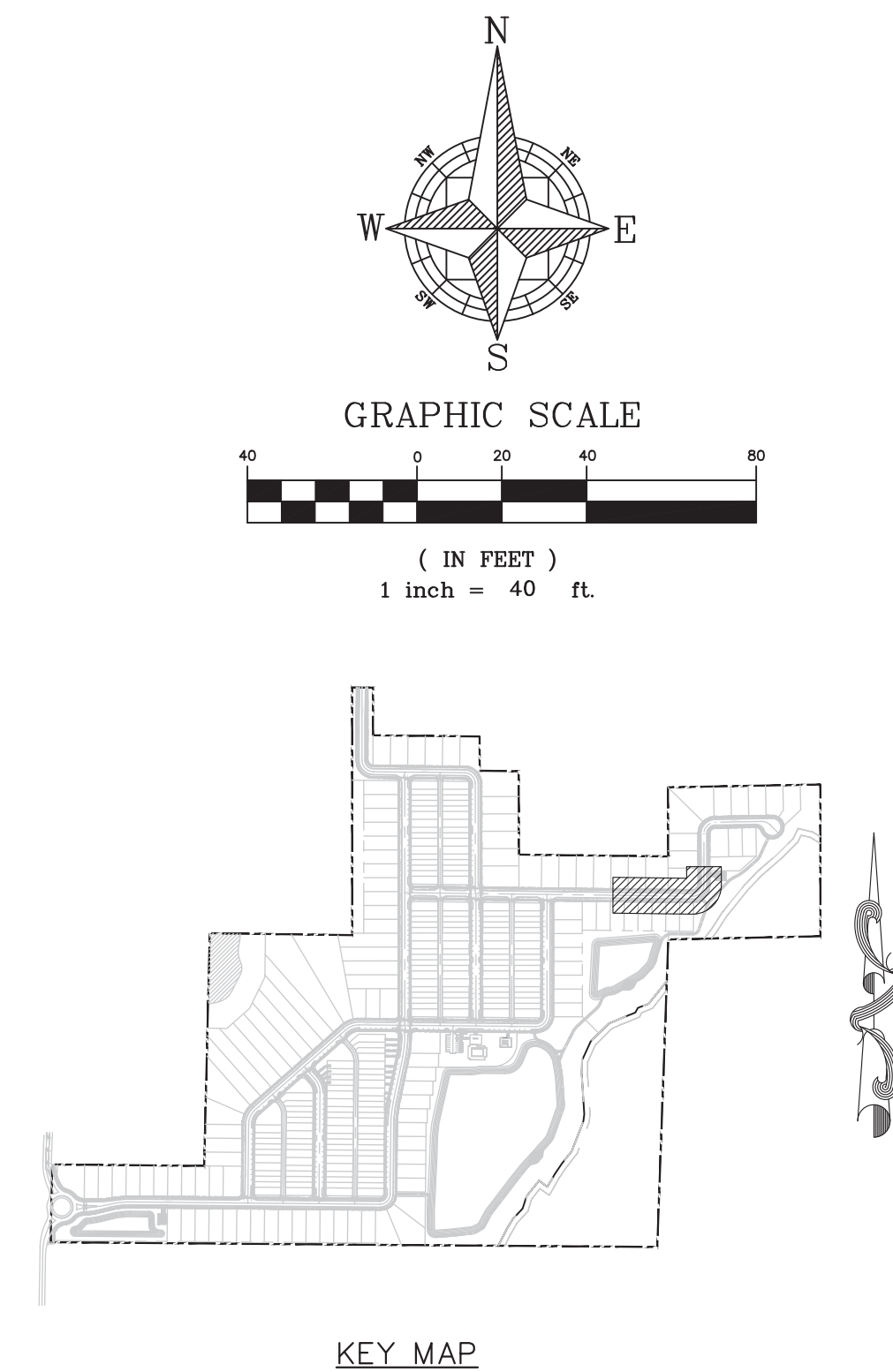
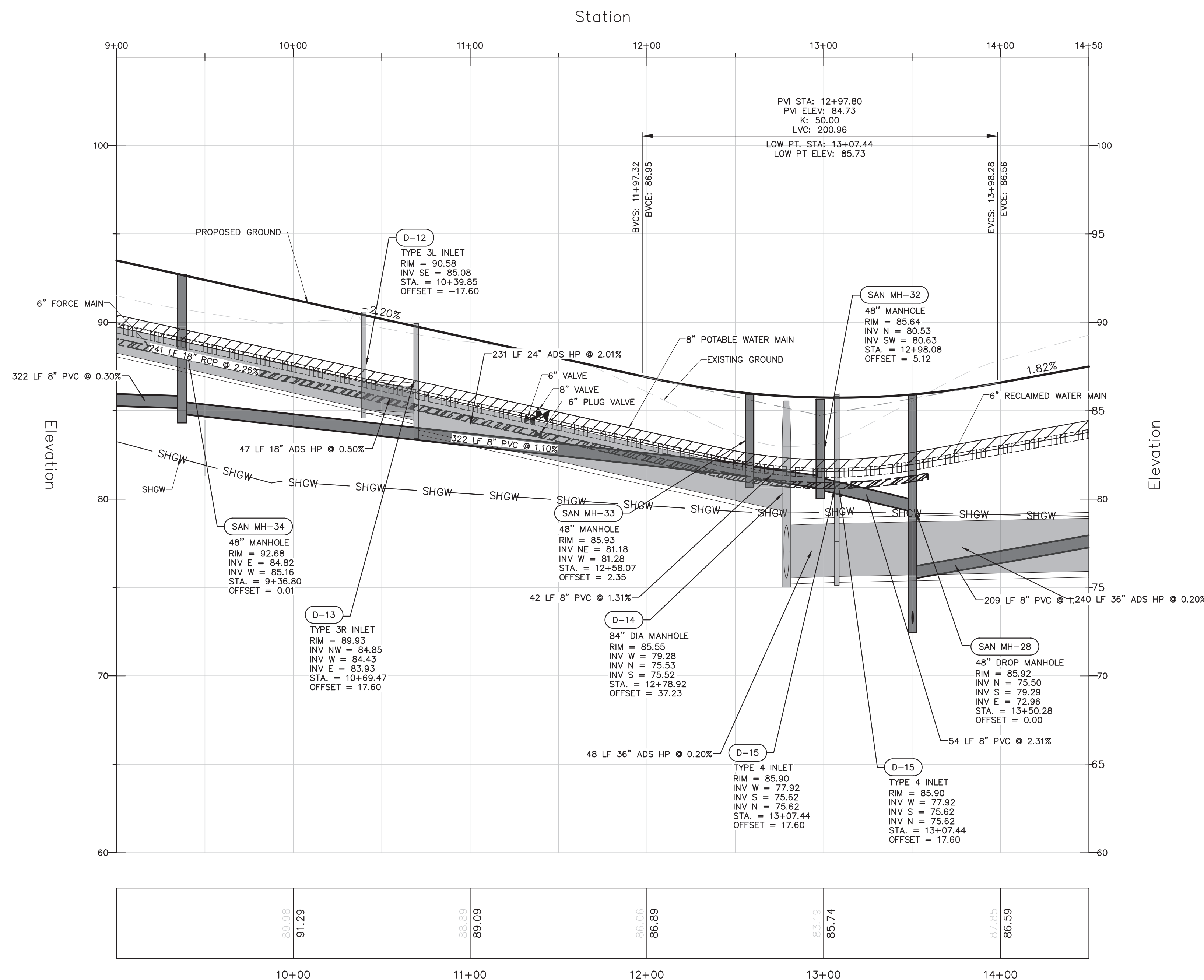
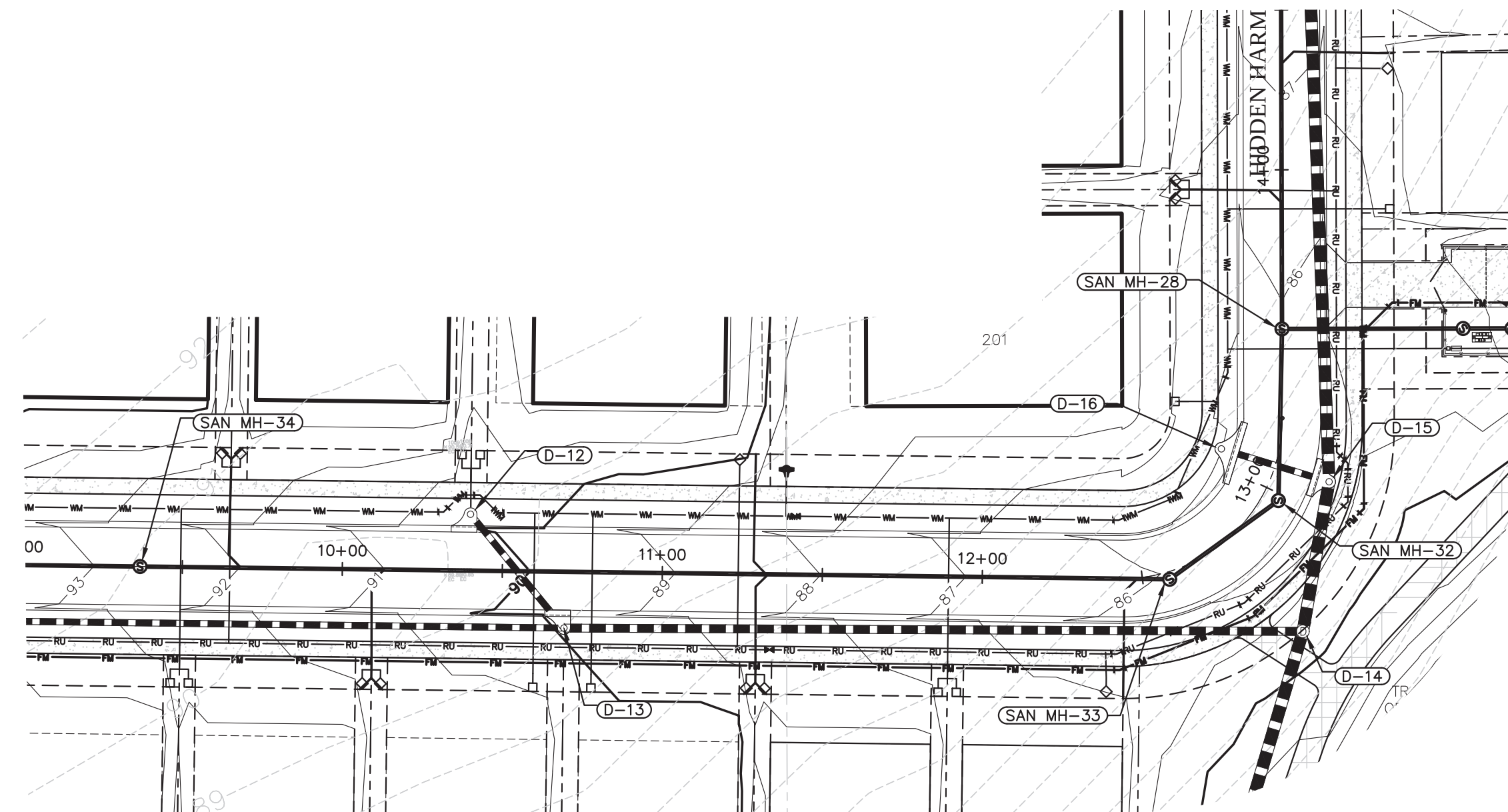
PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

- (1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
- (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- (c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- (d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
- (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- (c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.



CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5868		2221 Lee Road, Suite 217, Weston, FL 33327		2221 Lee Road, Suite 217, Weston, FL 33327	
PLAN & PROFILE - STREET D		STA 5+00 TO STA 9+50		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA	DESIGNED:	O. SANCHEZ	CHECKED:	O. SANCHEZ	DATE:	2/14/25		
SCALE:	1" = 40'	PROJECT:	DDC-001	SHEET:	C7.12				
APPIAN ENGINEERING		STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE No. 86492							
APPIAN ENGINEERING		STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE No. 86492							

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHEN BOTH THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

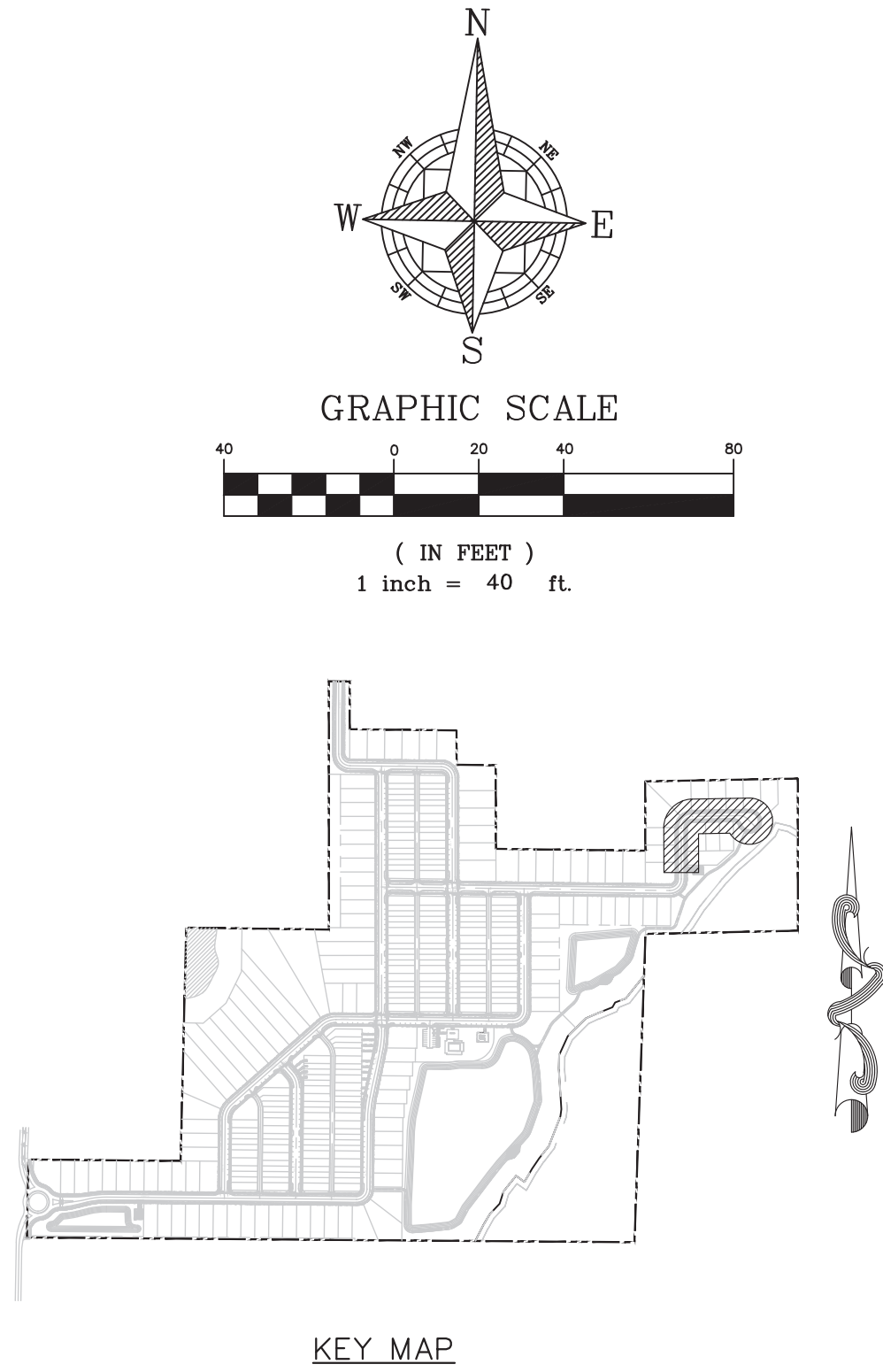
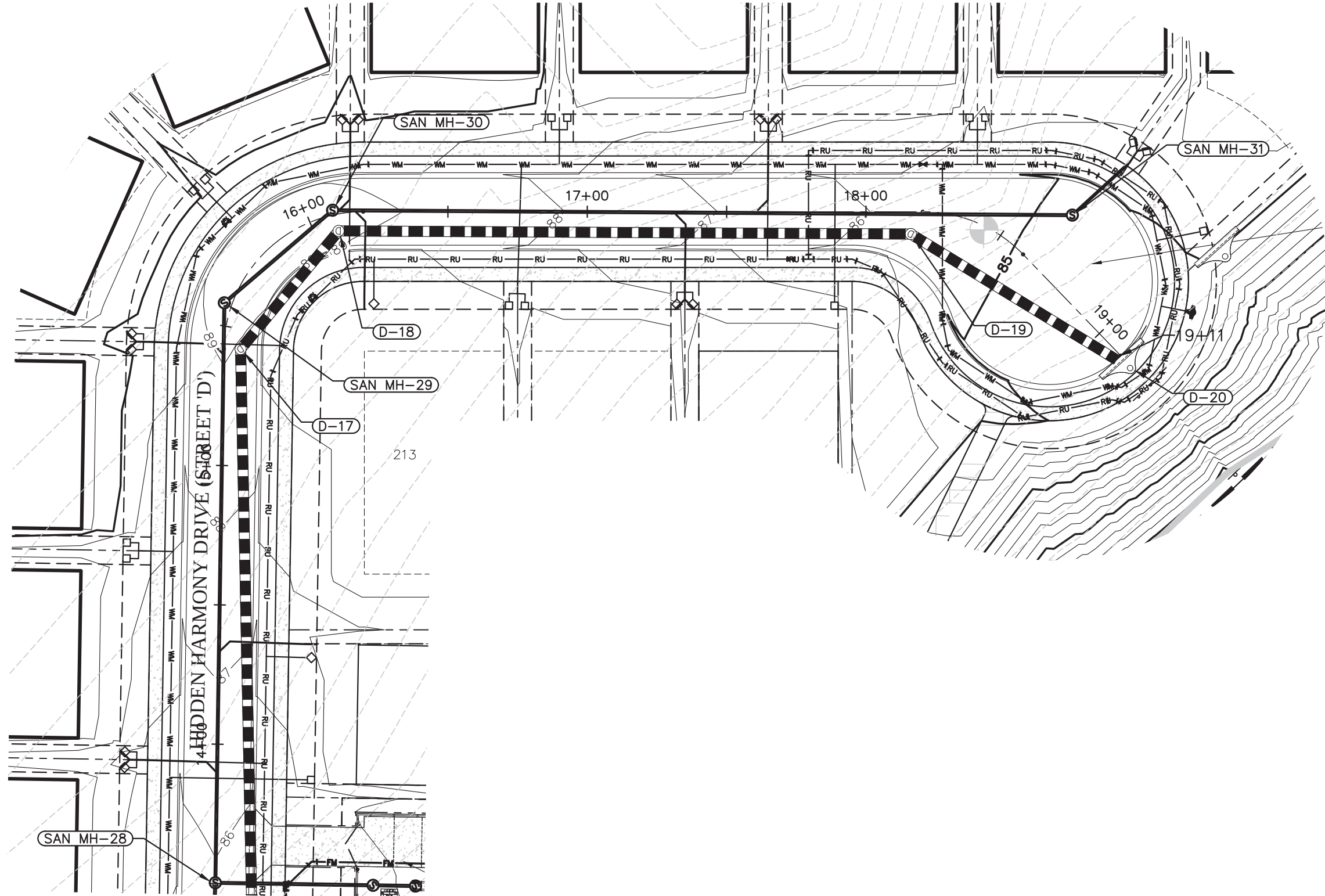
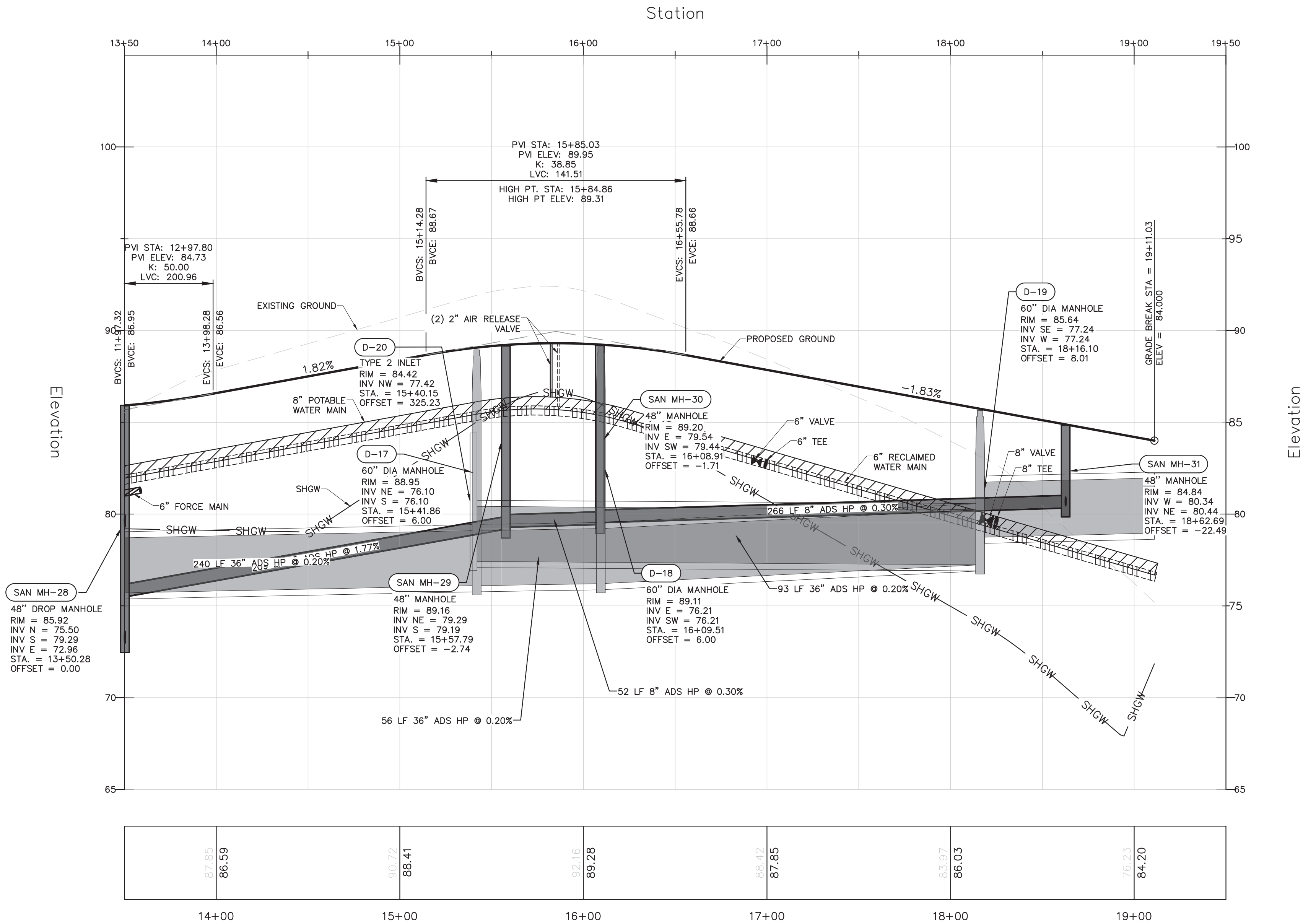
(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE JOINTS SHALL BE ARRANGED SUCH THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS OF ALL 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.

P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE - STREET D.dwg Modified: 5/23/2024 By: osanchez



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

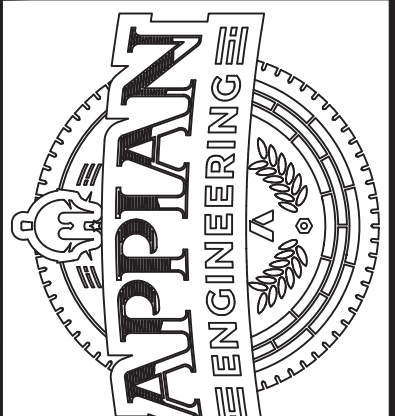
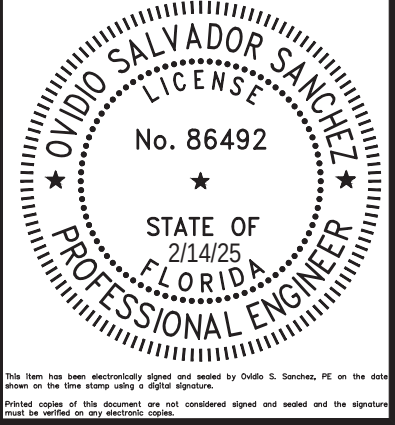
(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

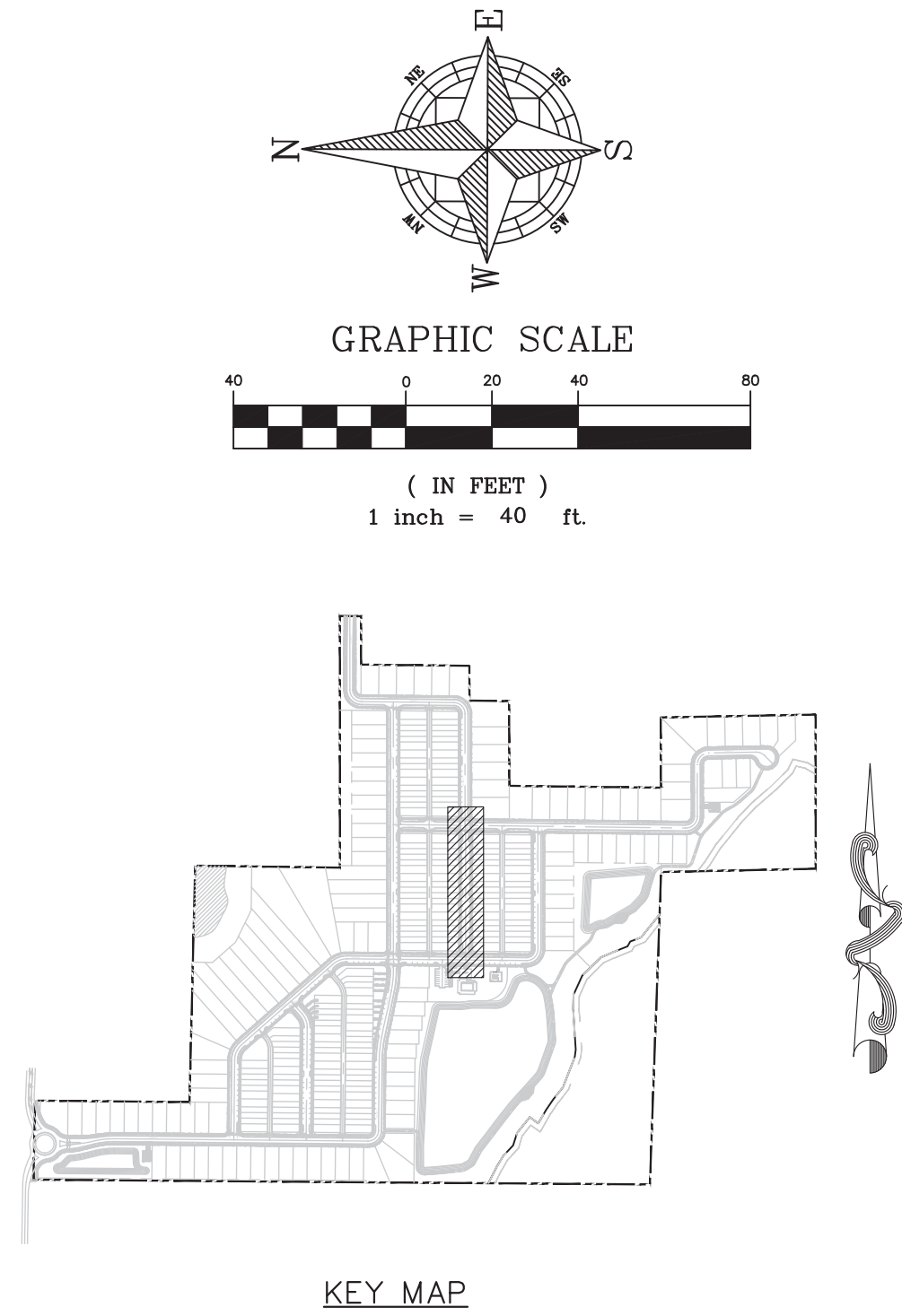
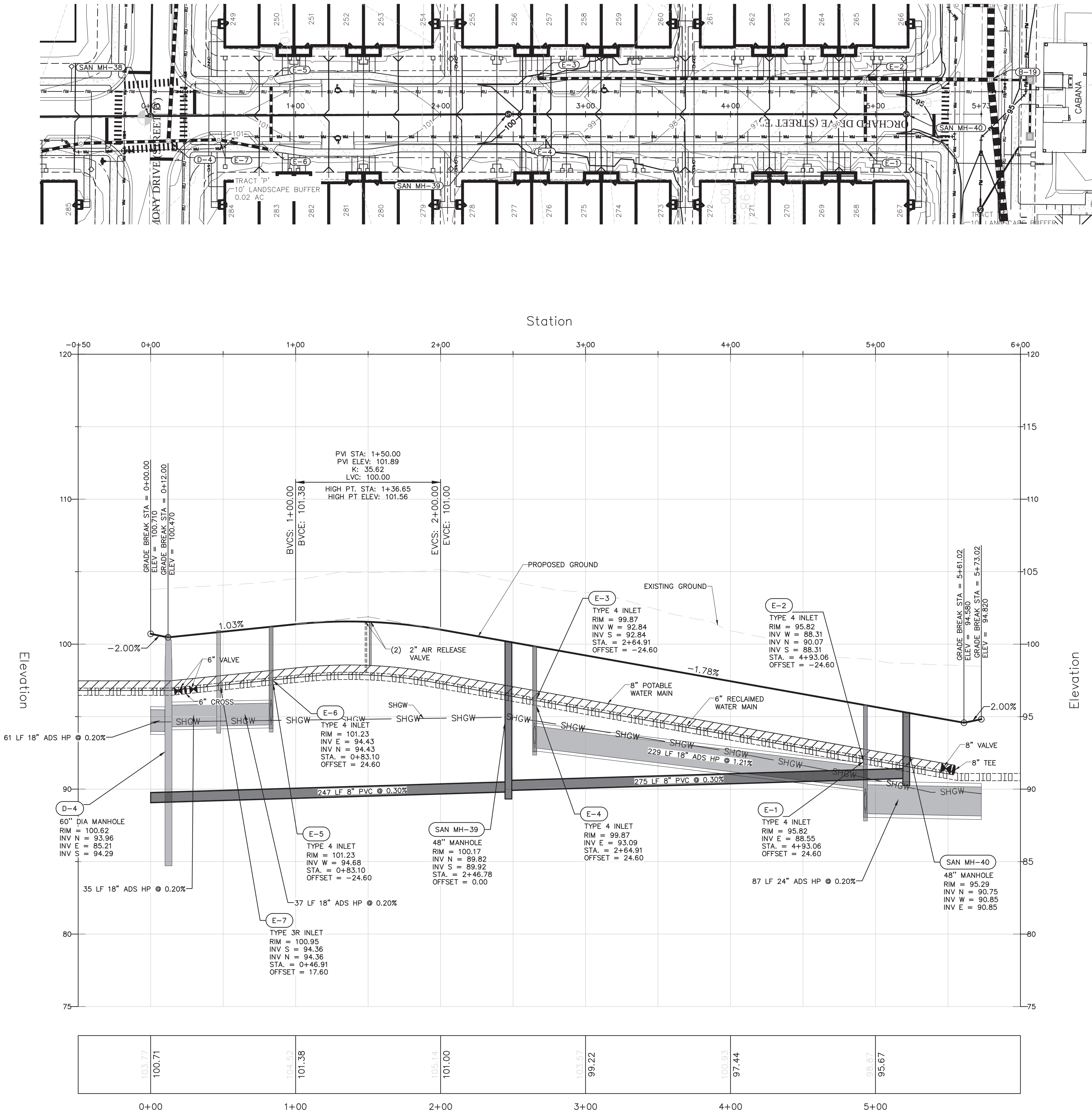
(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES OF 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

CIVIL ENGINEERING LAND PLANNING	APPIAN ENGINEERING LLC.	APPIANFL.COM • 407.960.5688	2221 Lee Road, Suite 201, Winter Park, Florida 32789	DATE	DESCRIPTION	BY
PLAN & PROFILE - STREET D	STA 14+00 TO STA 19+11	CONSTRUCTION SITE PLAN AMENDMENT	EDEN CREST (FKA LEE TERRACE)			
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25			
SCALE: 1" = 40'	PROJECT: DDC-001	SHEET: C7.14				
						

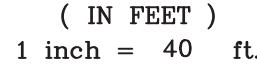


PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

- (1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
- (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- (c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- (d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
- (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- (c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

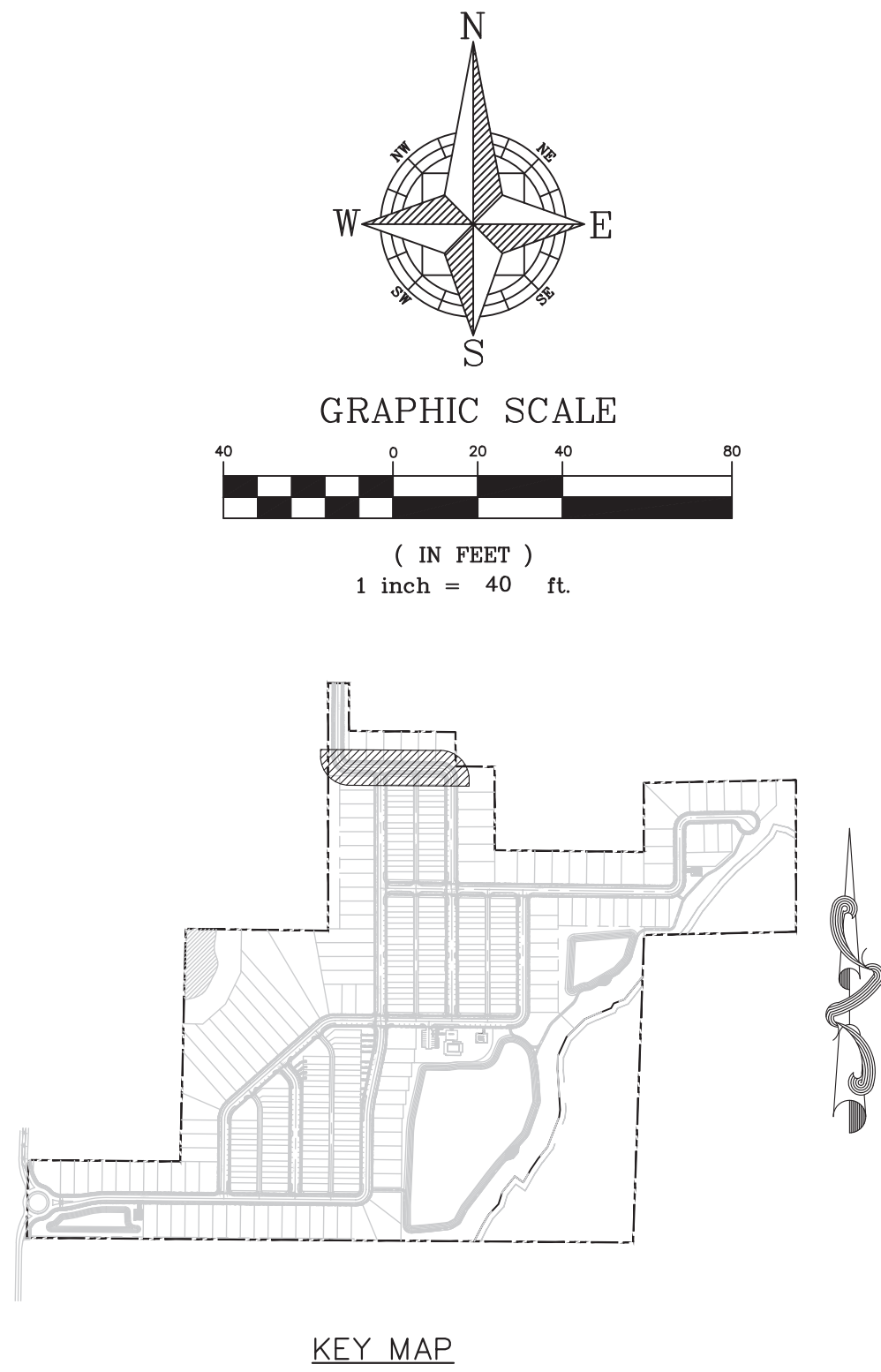
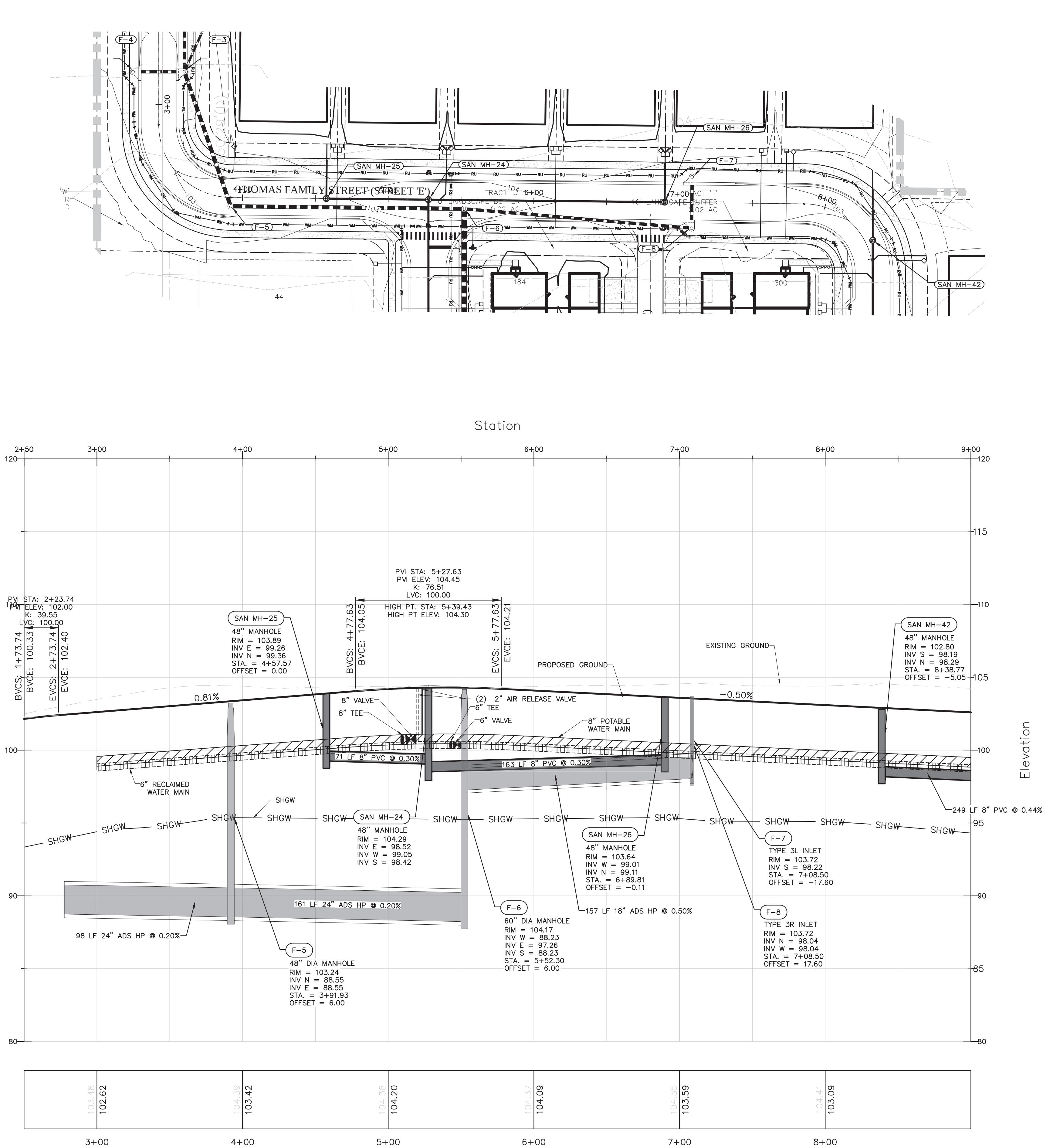
CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
APPIANFL.COM • 407.960.5688	
2211 Lee Road, Suite 217, Wynnton Park, Florida 32789	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND AVAILABLE TO THE PUBLIC	
REV.	DATE
DESCRIPTION	
BY	
PLAN & PROFILE - STREET E	
CONSTRUCTION SITE PLAN AMENDMENT	
EDEN CREST (FKA LEE TERRACE)	
CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA
DESIGNED:	O. SANCHEZ
CHECKED:	O. SANCHEZ
DATE:	2/14/25
SCALE	1" = 40'
PROJECT	DDC-001
SHEET	C7.15



(C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS THE PIPE SHALL BE ARRANGED SO THAT THE 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 PRESSURIZED SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

SHEET 83 OF 120

		SCALE	DRAWN:	PLAN & PROFILE – STREET F STA 0+00 TO STA 3+00 CONSTRUCTION SITE PLAN AMENDMENT	CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANEFL.COM – 407.960.5868 2221 Lani Road, Suite 27, Winter Park, Florida, 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION No. 33789	REV.	DATE	DESCRIPTION	BY
		1" = 40'	B. KILLELA						
		PROJECT	DESIGNED:						
		DDC-001	O. SANCHEZ						
			CHECKED:						
			O. SANCHEZ						
		SHEET							
		C7.16	DATE:						
			2/14/25						



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

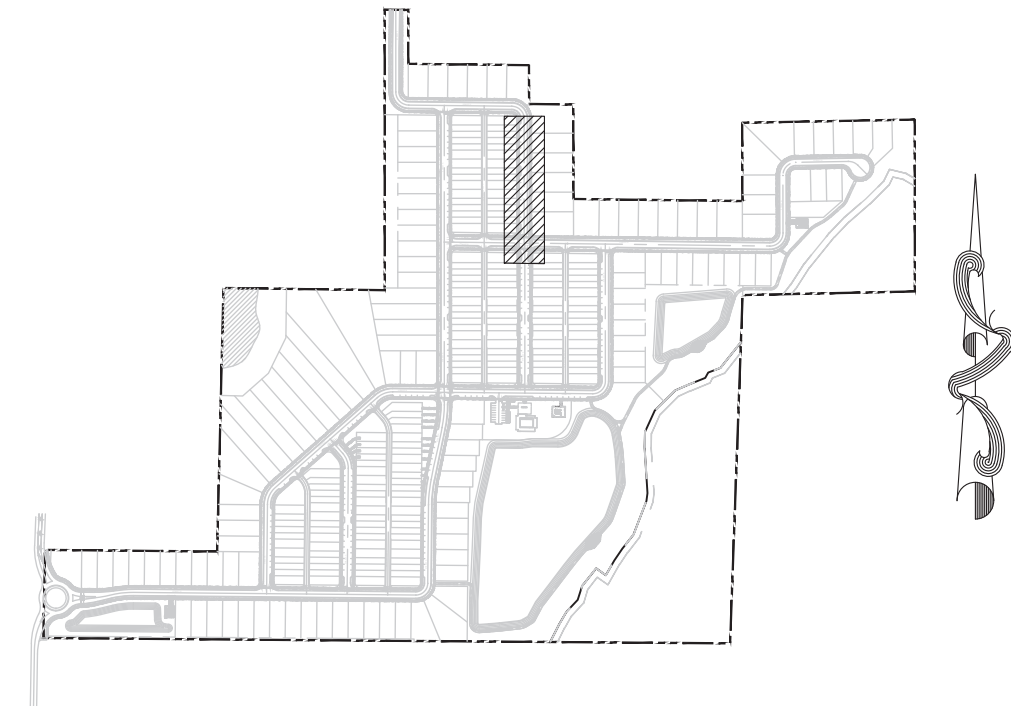
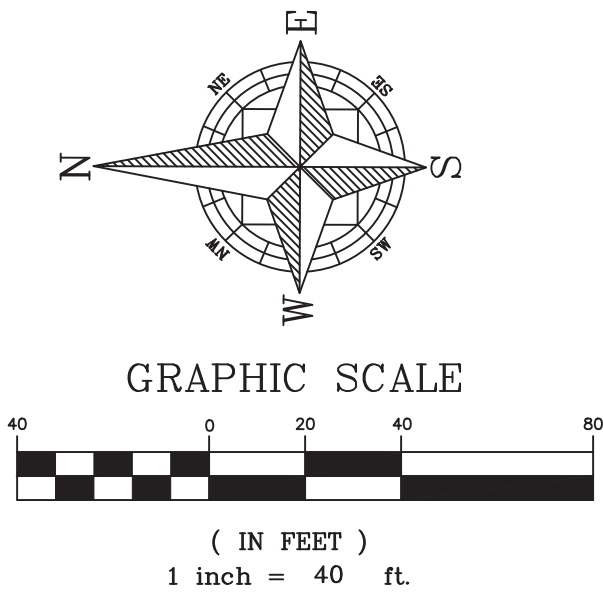
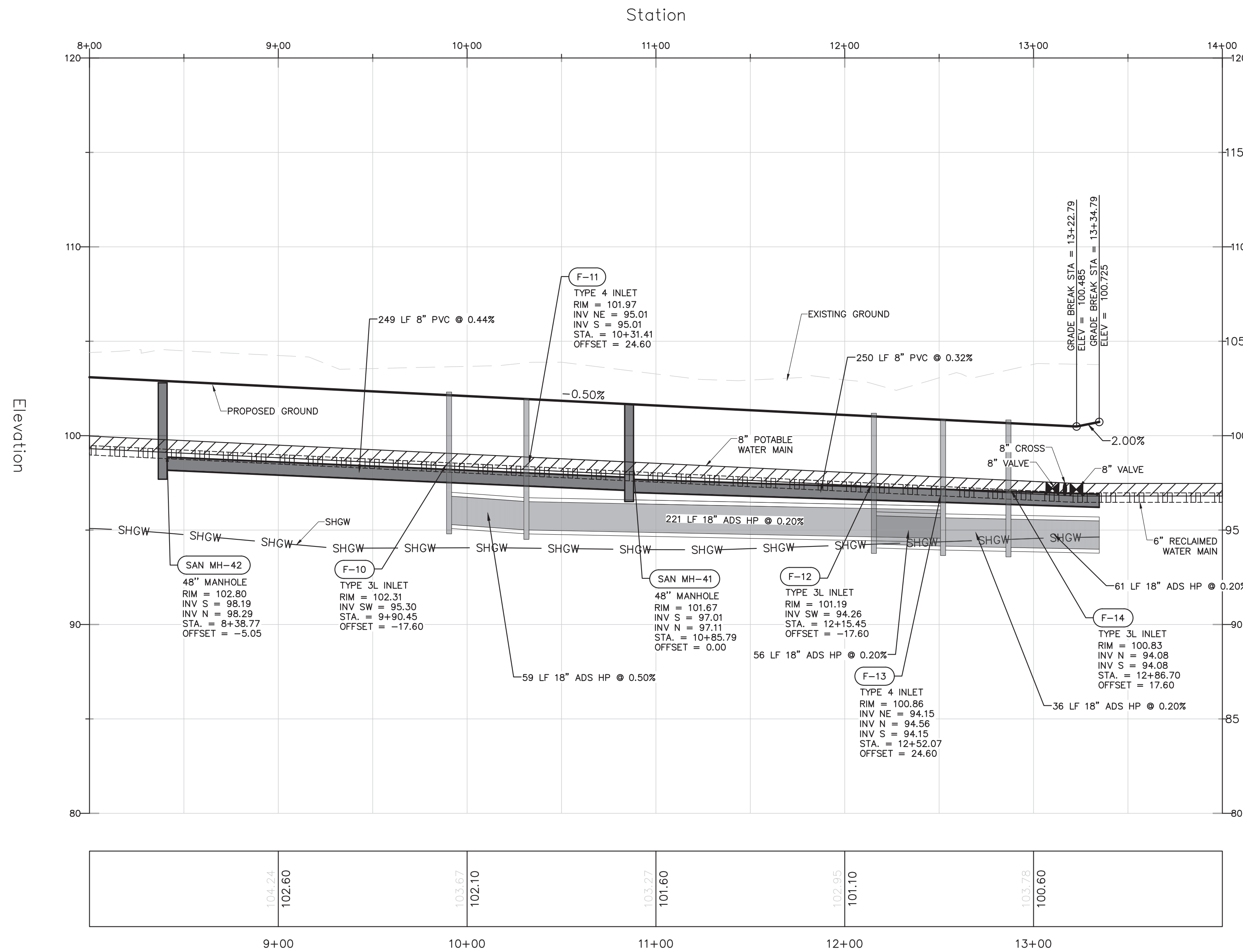
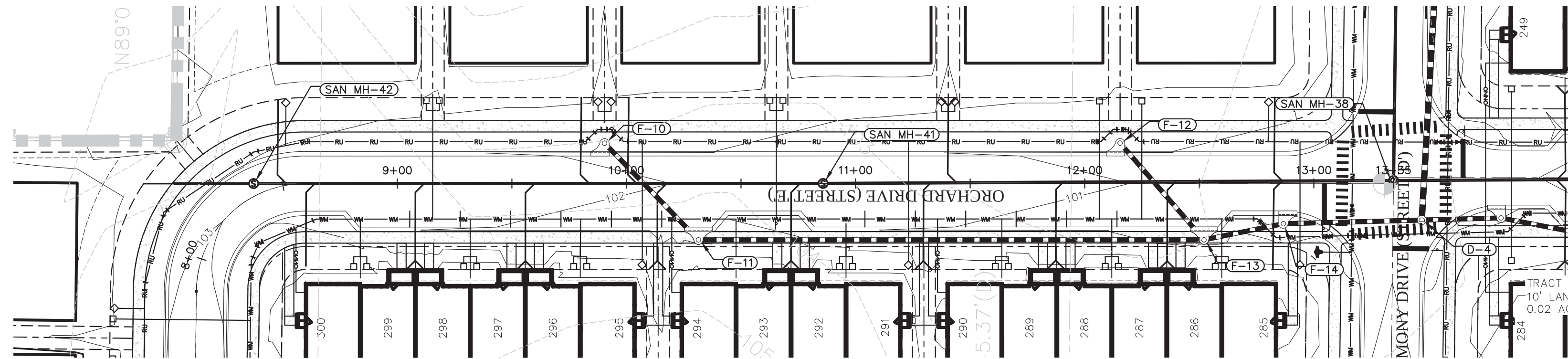
(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

CIVIL ENGINEERING LAND PLANNING	
APPIAN ENGINEERING LLC.	
2221 Lee Road, Suite 201, Winter Park, Florida 32789	
APPIANFL.COM • 407.960.5868	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND NOT FOR DISTRIBUTION OUTSIDE THE PROJECT.	
REV.	DATE
1	5/9/2024
PLAN & PROFILE -- STREET F	
STA 3+00 TO STA 8+50	
CONSTRUCTION SITE PLAN AMENDMENT	
EDEN CREST (FKA LEE TERRACE)	
CITY OF APOPKA, FLORIDA	
DRAWN:	B. KILLELA
DESIGNED:	O. SANCHEZ
CHECKED:	O. SANCHEZ
DATE:	2/14/25
SCALE:	1" = 40'
PROJECT:	DDC-001
SHEET:	C7.17



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

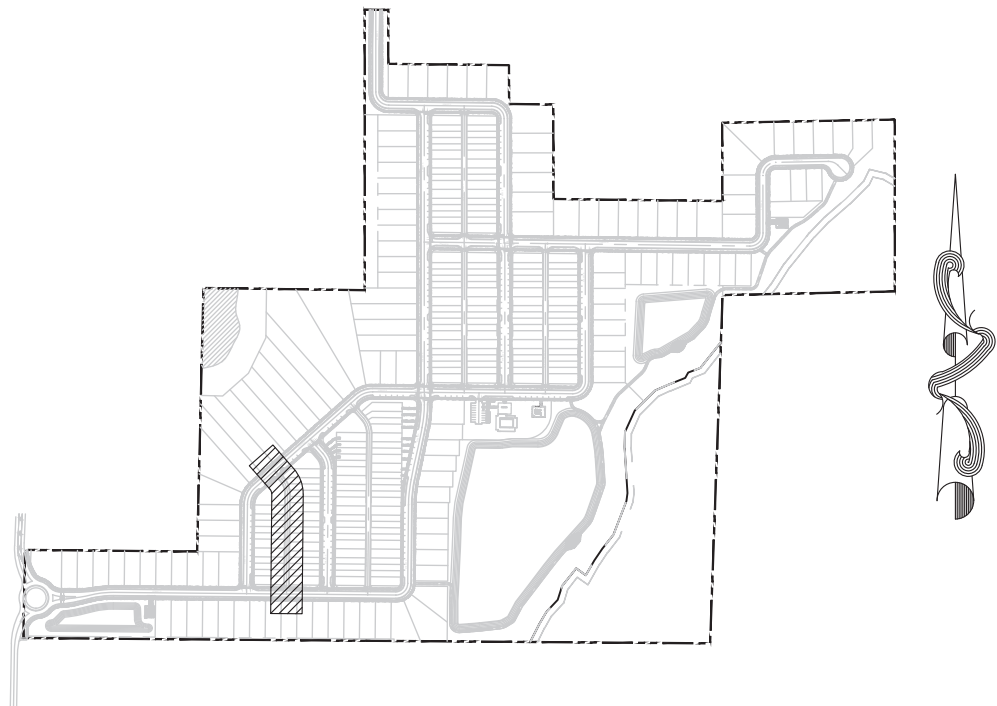
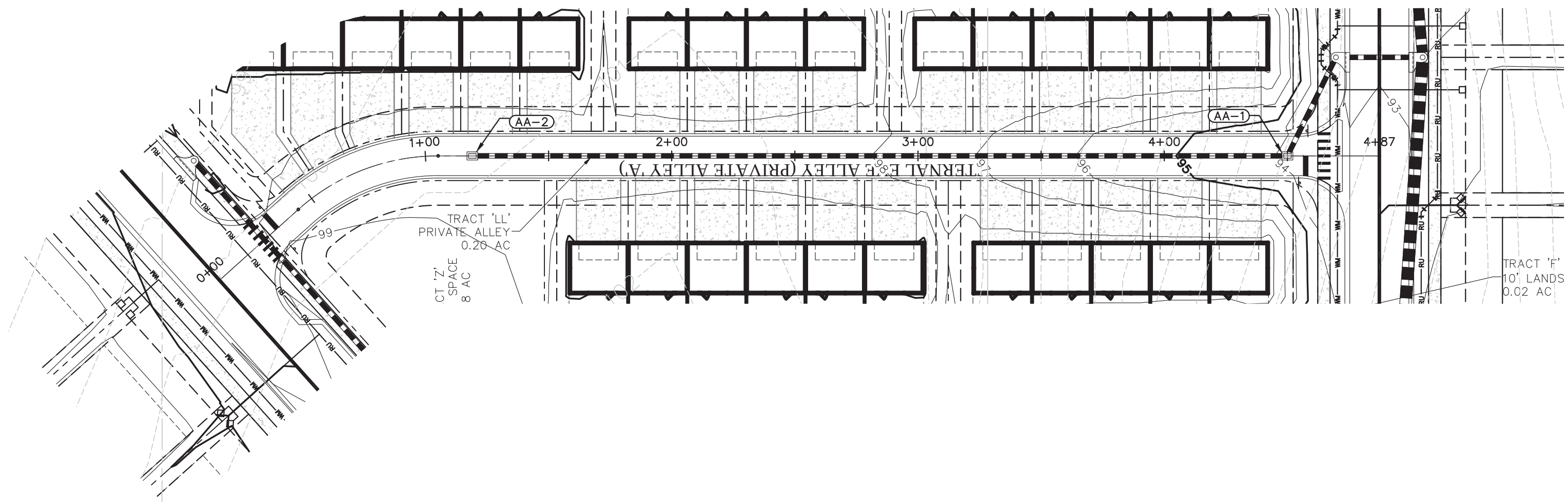
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

SHEET 85 OF 120

CIVIL ENGINEERING LAND PLANNING		APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2211 Lee Road, Suite 217, Winter Park, Florida 32789		REV. DATE. DESCRIPTION		BY	
PLAN & PROFILE - STREET F		STA 8+50 TO STA 13+35		CONSTRUCTION SITE PLAN AMENDMENT		EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA			
DRAWN: B. KILLELA		DESIGNED: O. SANCHEZ		CHECKED: O. SANCHEZ		DATE: 2/14/25		SCALE: 1" = 40'		PROJECT: DDC-001	
SHEET: C7.18		SHEET: C7.18		SHEET: C7.18		SHEET: C7.18		SHEET: C7.18		SHEET: C7.18	
APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING		APPIAN ENGINEERING	
OVIDIO SALVADOR SANCHEZ		OVIDIO SALVADOR SANCHEZ		OVIDIO SALVADOR SANCHEZ		OVIDIO SALVADOR SANCHEZ		OVIDIO SALVADOR SANCHEZ		OVIDIO SALVADOR SANCHEZ	
No. 86492		No. 86492		No. 86492		No. 86492		No. 86492		No. 86492	
STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA		STATE OF FLORIDA	
PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER	



(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY DISTURBED UTILITY, SUCH AS A WATER MAIN, A SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

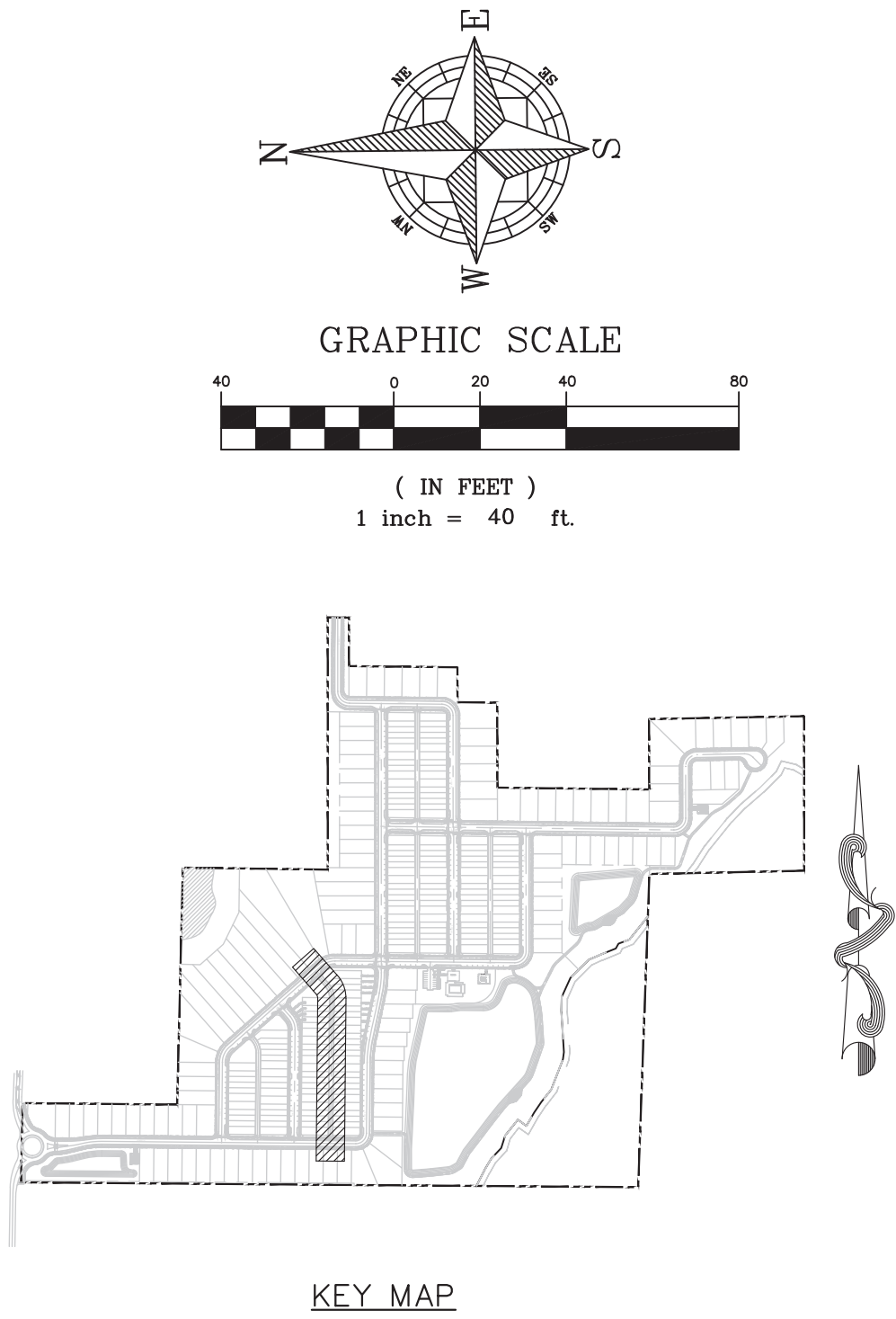
(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE TWO PIPES SHALL BE ARRANGED SO THAT A MAXIMUM OF 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 VACUUM-TYPE PIPES SERVING SEWERS, STORM SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

SHEET 86 OF 120



(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE INSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE EXISTING OR PROPOSED GRAVITY SEWER. THE TYPE OF SEWARY, WATER MAIN, WASTEWATER FORCE MAIN, OR PIPELINE CURVED RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY SEWERS SHALL BE REDUCED TO THE FOLLOWING MINIMUM WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR FROM THE JOINTS OF THE OTHER PIPELINE AS POSSIBLE. AT SUCH UTILITY CROSSINGS, 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 62-606, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE SANITARY SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

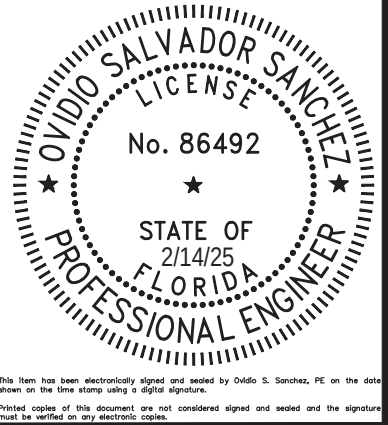
VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

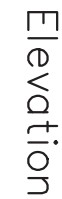
SHEET 87 OF 120

[illegible]

PLAN & PROFILE – ALLEY B
CONSTRUCTION SITE PLAN AMENDMENT
EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

SCALE	DRAWN:
1" = 40'	B. KILLELA
PROJECT	DESIGNED:
DDC-001	O. SANCHEZ
SHEET	CHECKED:
C7.20	O. SANCHEZ
	DATE:
	2/14/25





(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(g) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY OTHER UTILITY, INCLUDING BUT NOT LIMITED TO, GAS, SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONSIDERED. RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND SANITARY SEWERS SHALL BE REDUCED TO THREE FEET, PROVIDED THAT WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

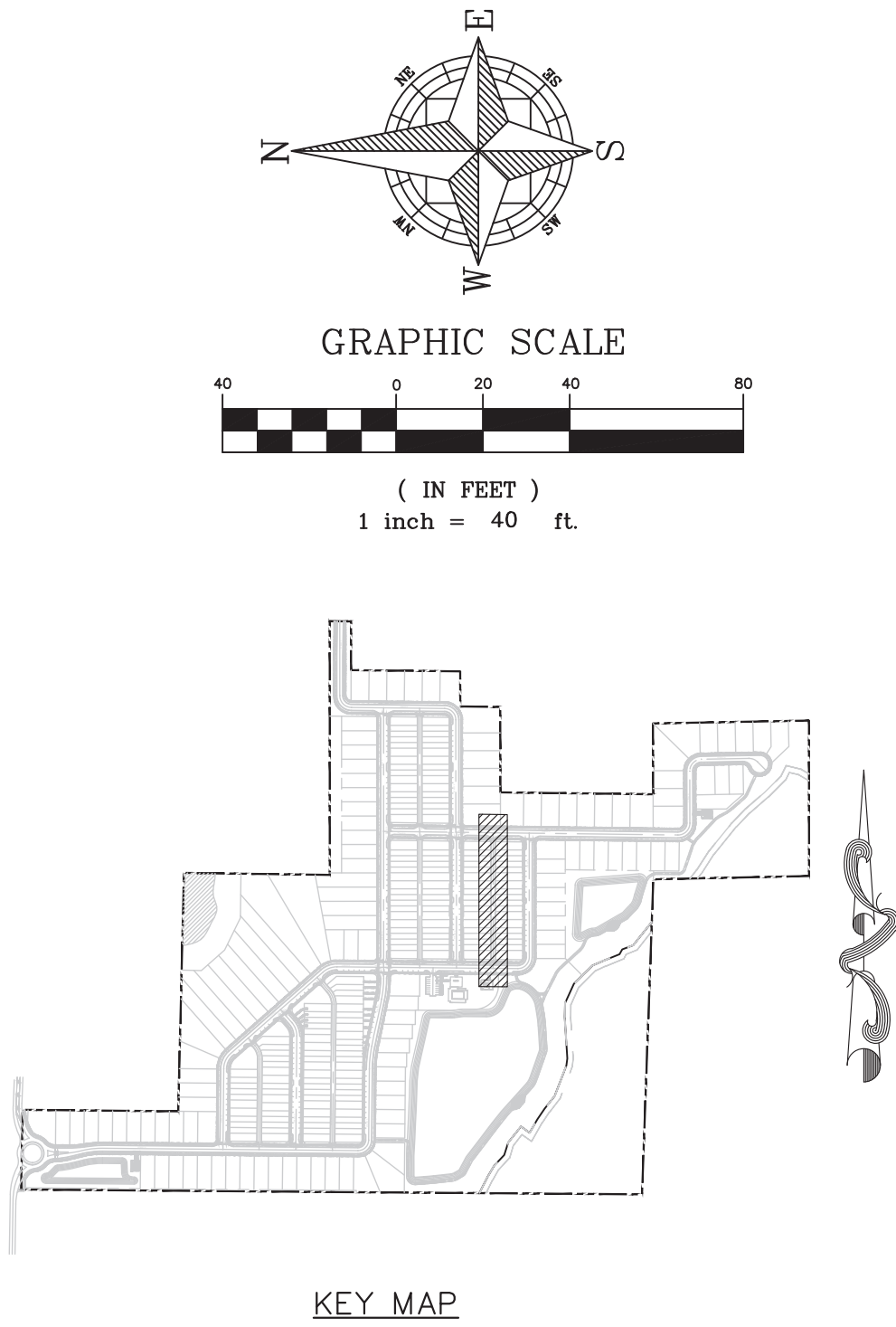
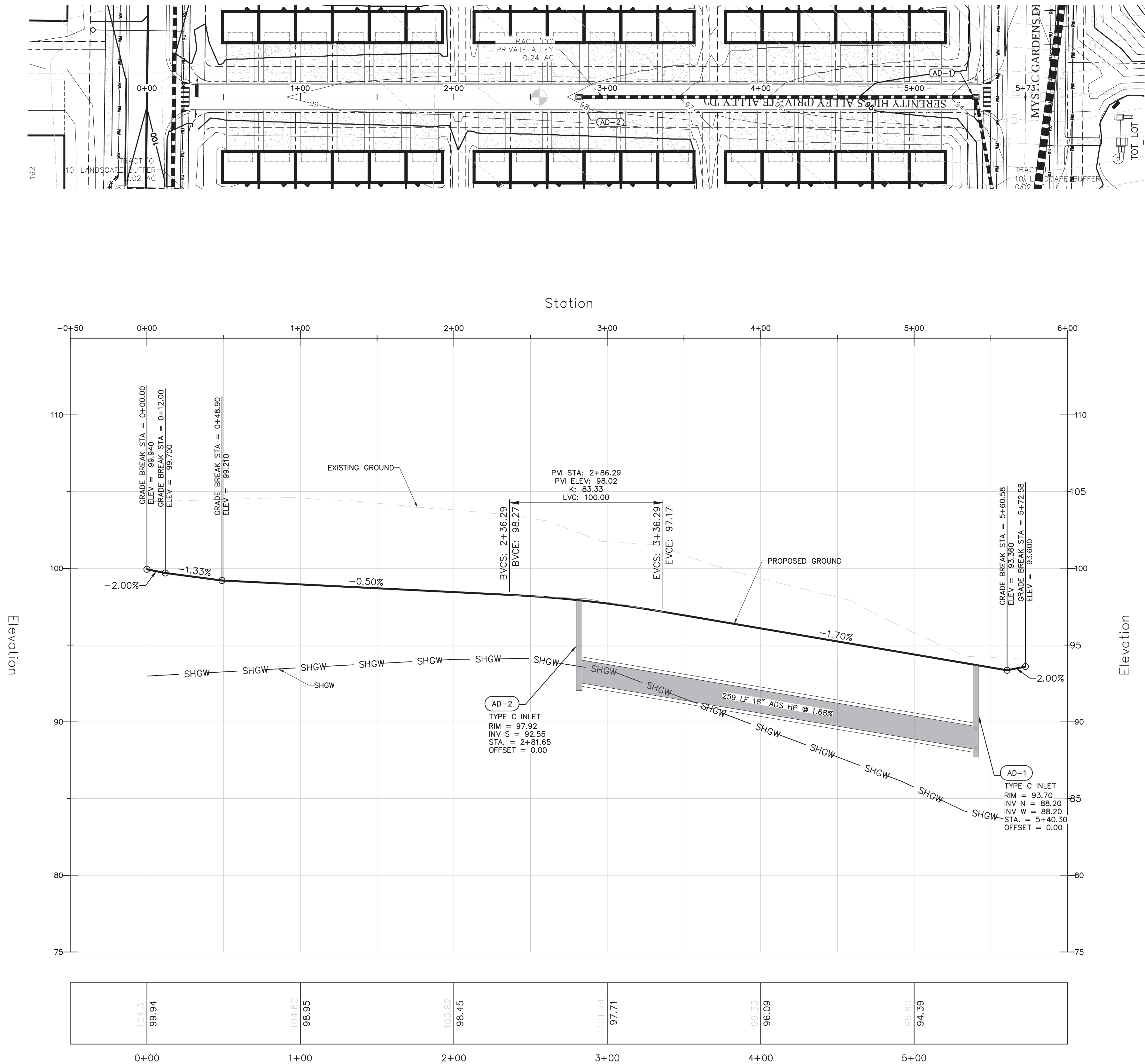
(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS THE PIPE SHALL BE ARRANGED SO THAT THE 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 PRESSURIZED SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

P:_PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\PLAN & PROFILE -- ALLEY Dwg Modified:12/10/2024 By: osanchez



PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS 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 STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

(c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

(d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE 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" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

(a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

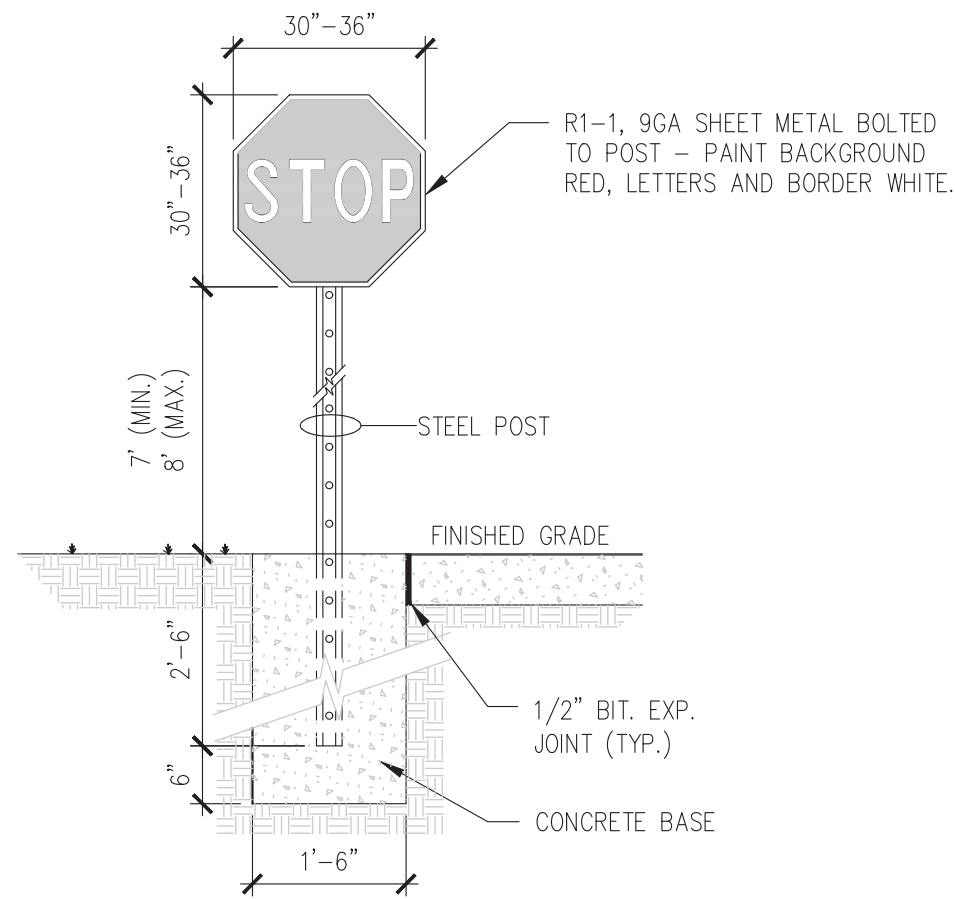
(b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE 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.

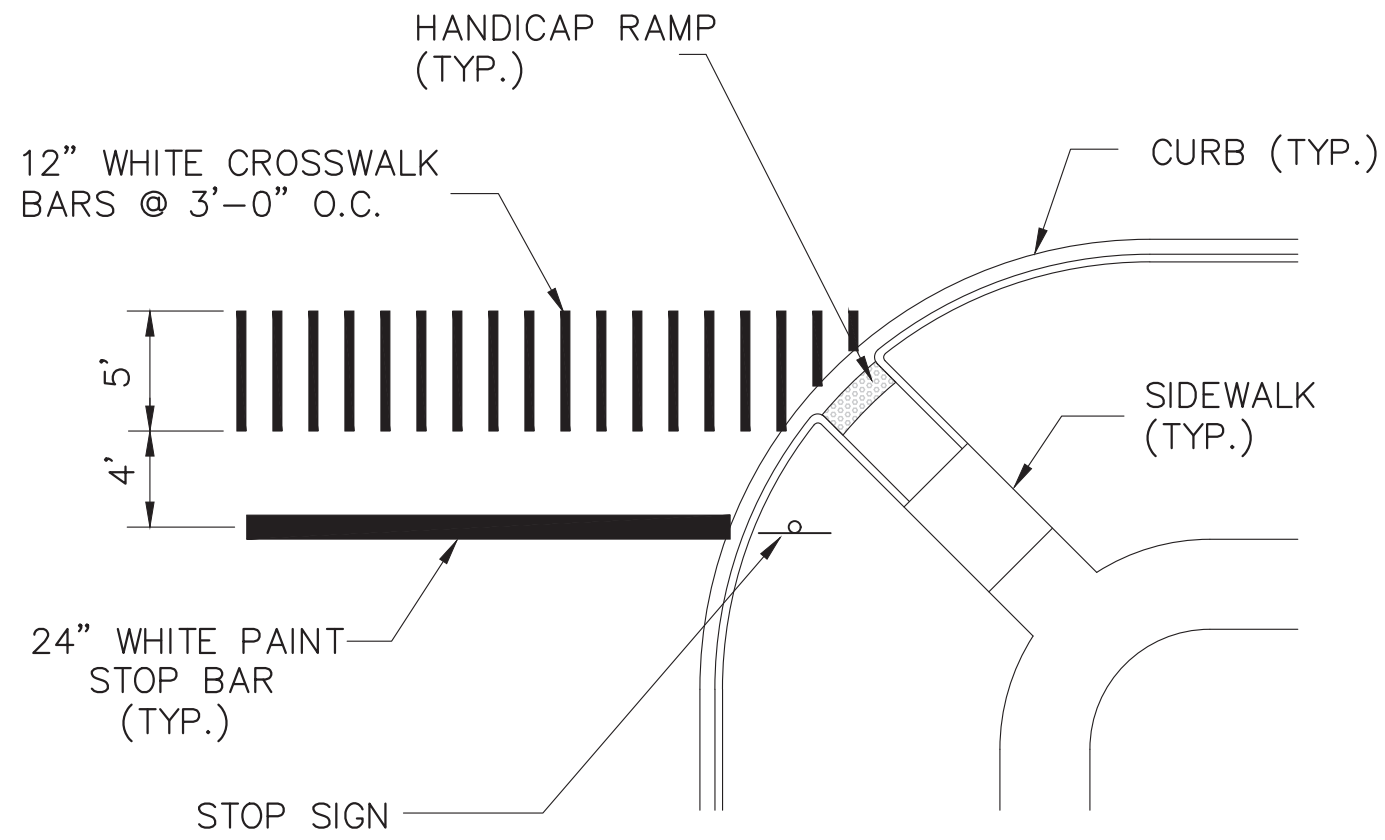
VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

CIVIL ENGINEERING LAND PLANNING		PLAN & PROFILE -- ALLEY D		DRAWN: B. KILLELA		SCALE 1" = 40'		PROJECT DDC-001		SHEET C7.23		DATE 2/14/25	
APPIAN ENGINEERING LLC.		CONSTRUCTION SITE PLAN AMENDMENT		DESIGNED: O. SANCHEZ		PROJECT		CHECKED: O. SANCHEZ		SHEET		DATE	
APPIANFL.COM • 407.960.5868		EDEN CREST (FKA LEE TERRACE)		O. SANCHEZ		DDC-001		O. SANCHEZ		C7.23		2/14/25	
2221 Lee Road, Suite 217, Wynnton Park, Wynnton, FL 32789		CITY OF APOPKA, FLORIDA		O. SANCHEZ		DDC-001		O. SANCHEZ		C7.23		2/14/25	
STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 1212				O. SANCHEZ		DDC-001		O. SANCHEZ		C7.23		2/14/25	
REV.		DATE		DESCRIPTION		BY							

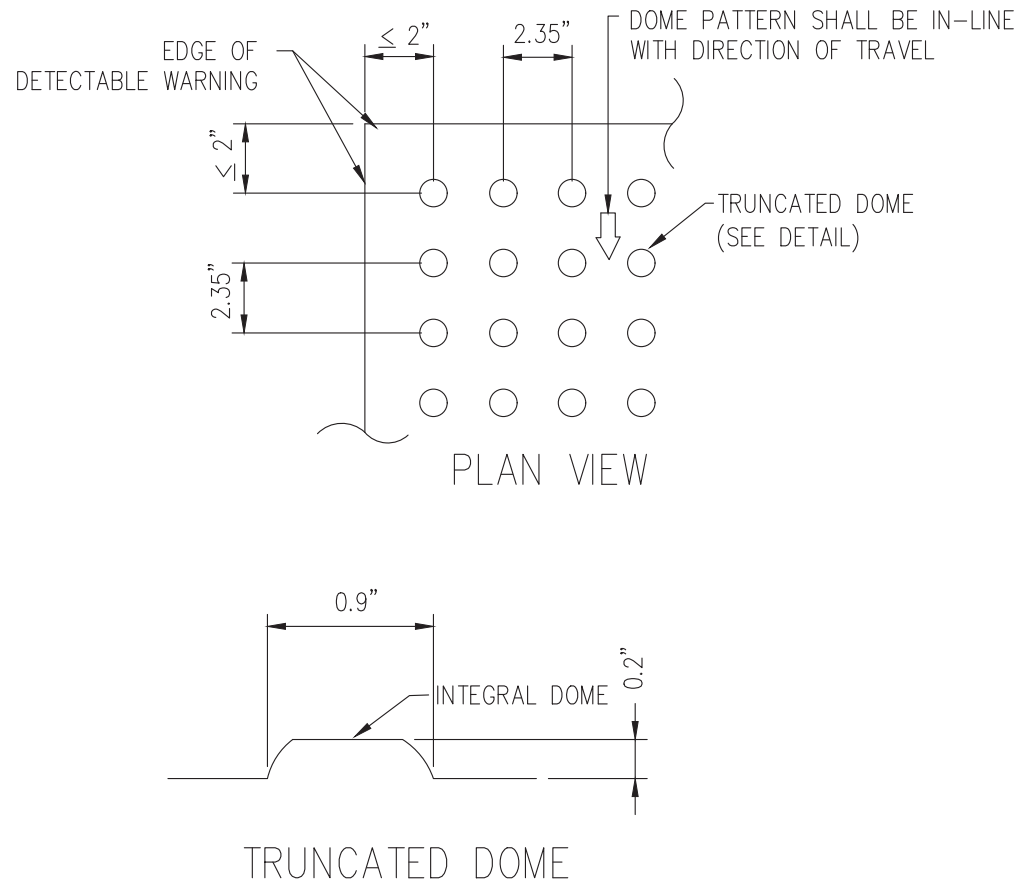




1 STOP SIGN
N.T.S.



2 INTERSECTION CROSSWALK/
STOP BAR DETAIL
N.T.S.



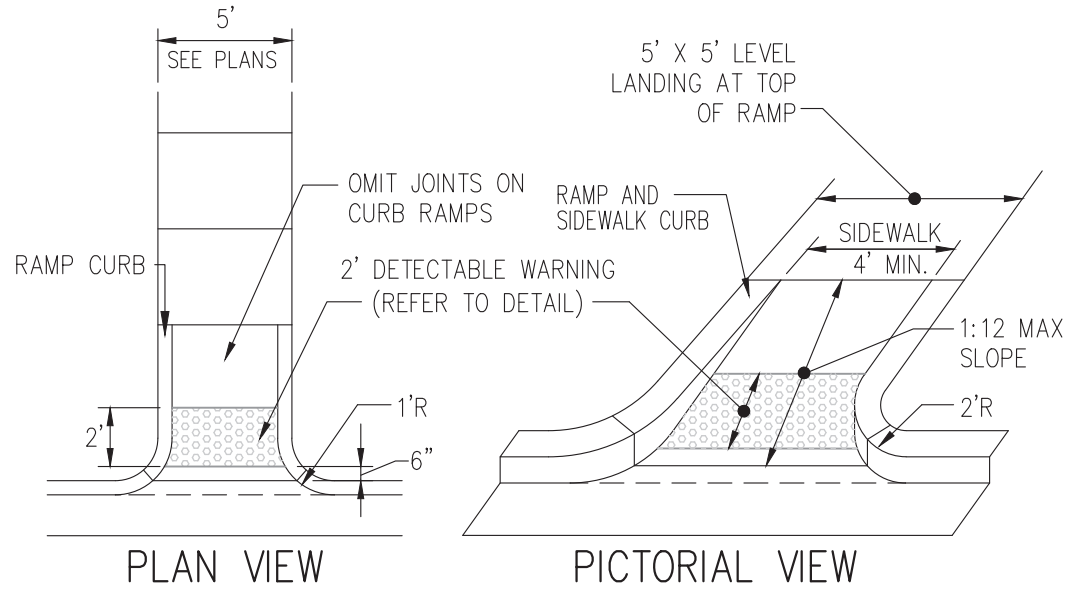
3 DETECTABLE WARNING
N.T.S.

NOTE:

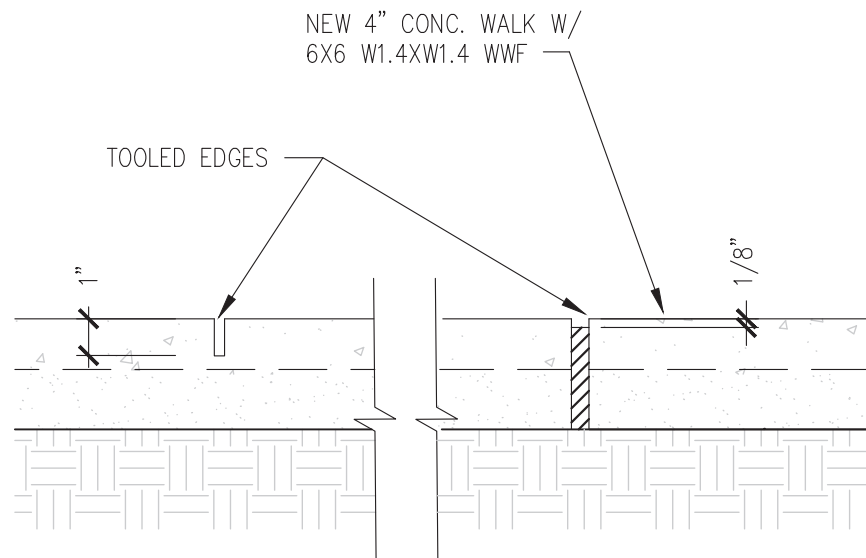
1. CURB RAMP RUNNING SLOPES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER.
2. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING OR APPLYING A TRUNCATED DOME MATERIAL IN CONFORMANCE WITH THE U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
3. WHERE A CURB RAMP IS CONSTRUCTED WITHIN AN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK, THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5'.
4. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE SPECIFICATIONS, THE PLAN MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK. (SAFETY YELLOW OR BRICK RED)
5. RECOMMENDED MANUFACTURER: ENGINEERED PLASTICS, INC. (ARMOR TILE) OLYMPIC TOWERS, 300 PEARL STREET, SUITE 200, BUFFALO, NY 14202. PHONE: (800) 682-2525

NOTE 1:
REFERENCE FDOT INDEX 304,
PAGE 1, GENERAL AND
DESIGN NOTES FOR RAMPS
IN R.O.W.

NOTE 2:
CONSTRUCT RAMP TO LEAST
POSSIBLE SLOPE (MAX = 1:12).
CROSS SLOPE OF RAMP AND
LANDING SHALL NOT EXCEED 1:50.

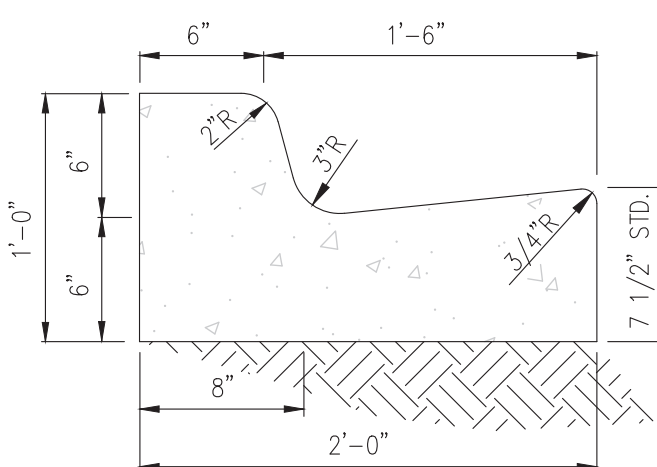


4 HANDICAP END RAMP
3000 PSI (MIN.) CONCRETE
N.T.S.



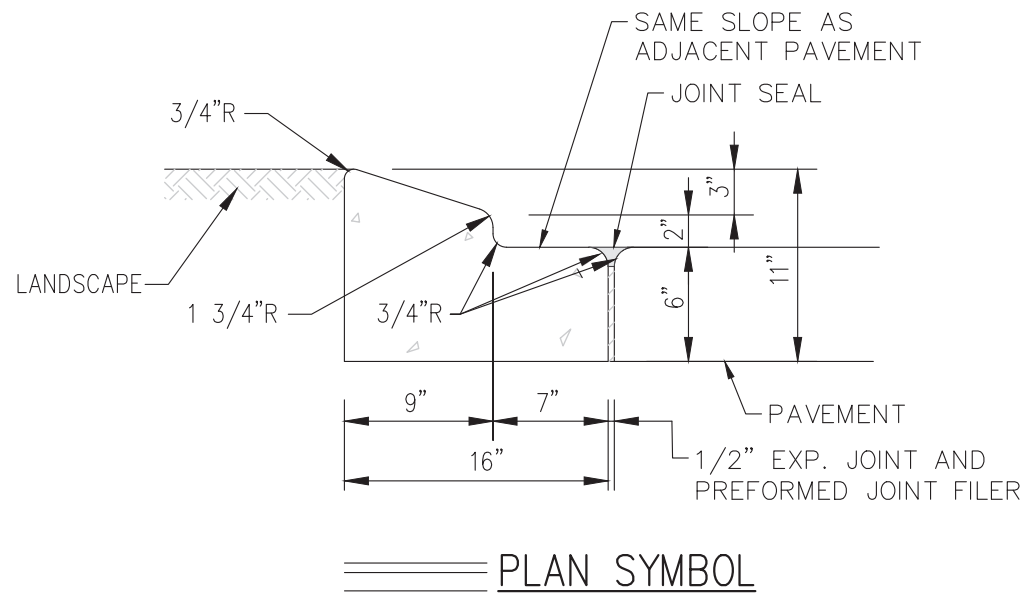
NOTE:
EXPANSION JOINTS SHALL BE LOCATED AT ALL CONCRETE
WALK INTERSECTIONS, AT ALL DOOR OPENINGS AND AT
12' O.C. MAXIMUM.
EXPANSION JOINT (1/4" PREMOLED ASPHALT STRIP) SHALL
BE SET 1/8" BELOW TOP OF WALK.
SCORE MARK (1" DEPTH) SHALL BE 4' (MAX.) O.C.

5 CONCRETE WALK
N.T.S.



NOTE:
WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS
SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE
OF THE ADJACENT PAVEMENT AND THE THICKNESS OF
THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

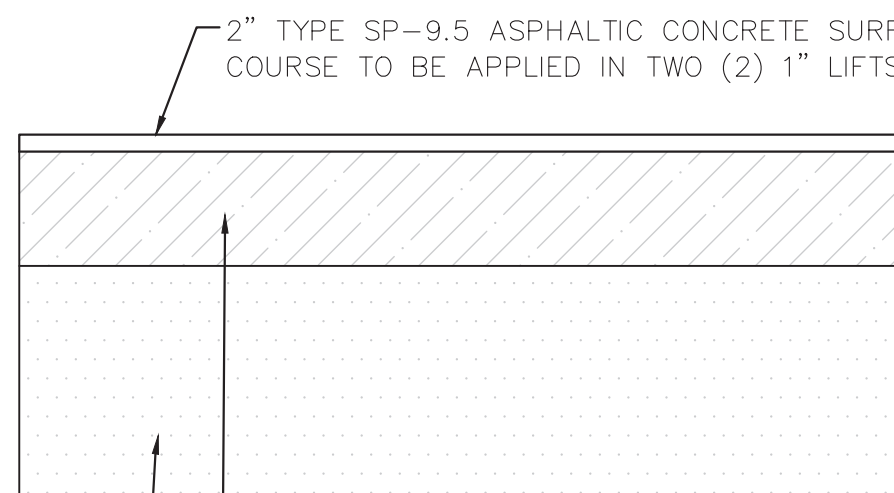
6 TYPE "F" CURB AND GUTTER
N.T.S.



NOTES

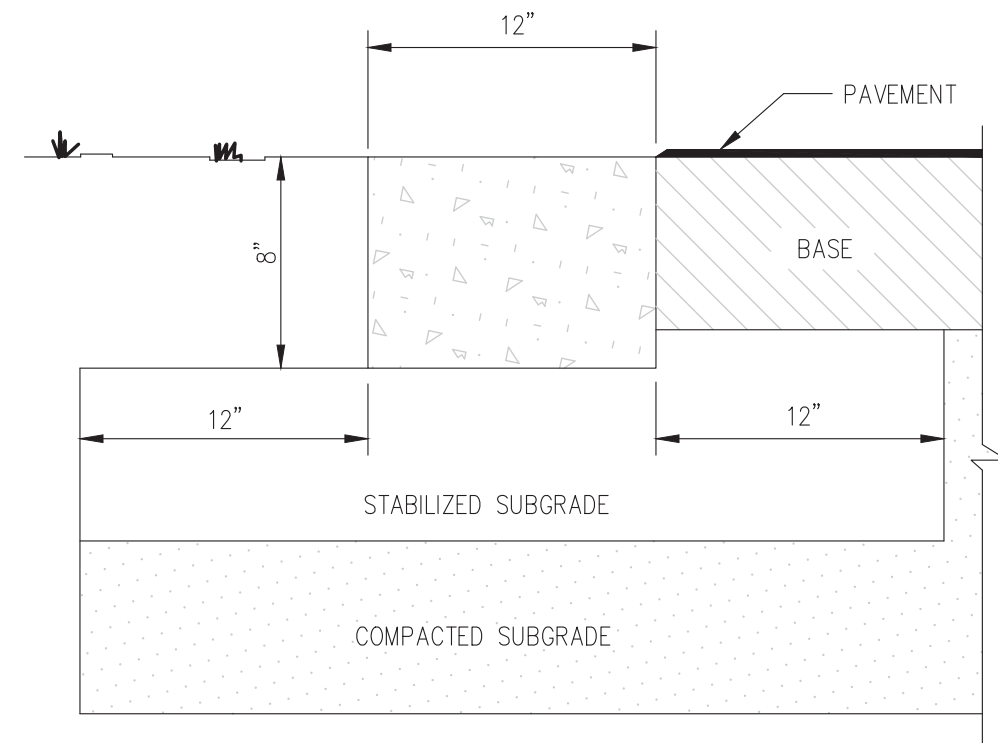
1. CONSTRUCTION JOINTS SHALL BE PLACED AT EQUAL SPACES (10' MAX.) BETWEEN NORMAL EXPANSION JOINTS. CONSTRUCTION JOINTS SHALL BE SAW CUT WITHIN 24 HRS. OF PLACEMENT.
2. FOR CURB & GUTTER CONSTRUCTED ADJUNCT TO CONCRETE PAVEMENT, 1/2" EXPANSION JOINT MATERIALS SHALL BE PLACED BETWEEN THE EDGE OF GUTTER AND EDGE OF PAVEMENT.

6A TYPE 'A' CURB
(3,500 PSI (MIN.)) N.T.S.

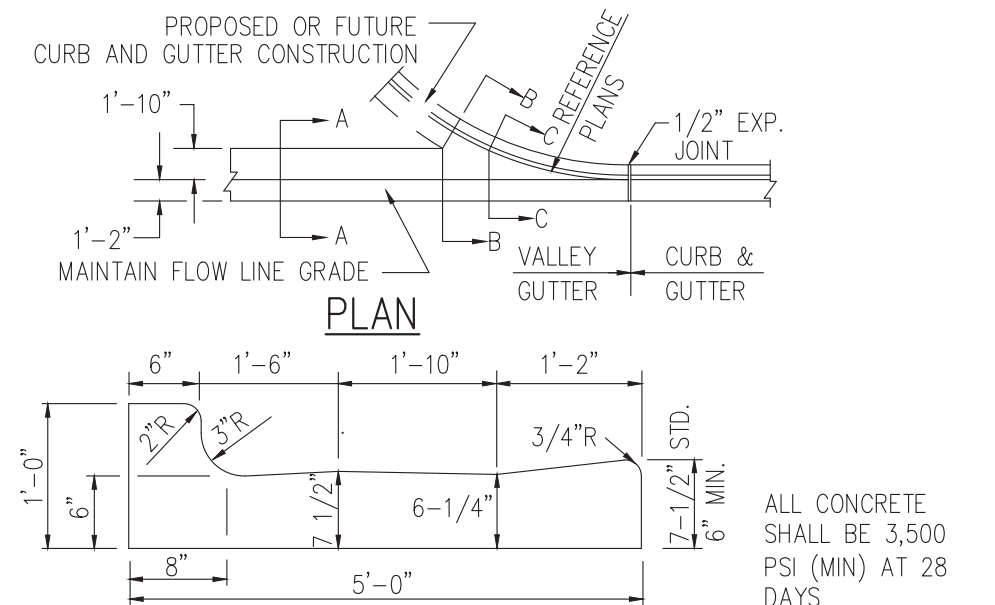


12" THICK STABILIZED SUBGRADE. SUBGRADE IMMEDIATELY BENEATH THE BASE COURSE (SUB-BASE) SHOULD BE COMPACTED TO AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557) VALUE. FOR A LIMEROCK OR RCA BASE, THE UPPER 6 INCHES OF SUBGRADE SHOULD BE STABILIZED TO A MINIMUM LBR OF 40 AS SPECIFIED BY FDOT. COMPACTION TESTING OF THE SUBGRADE SHOULD BE PERFORMED TO FULL DEPTH AT A FREQUENCY OF AT LEAST ONE (1) TEST PER 10,000 SQ. FT., OR EVERY 500 LINEAL FEET OF ROADWAY, WHICHEVER IS GREATER.

7 TYPICAL PAVEMENT SECTION
N.T.S.



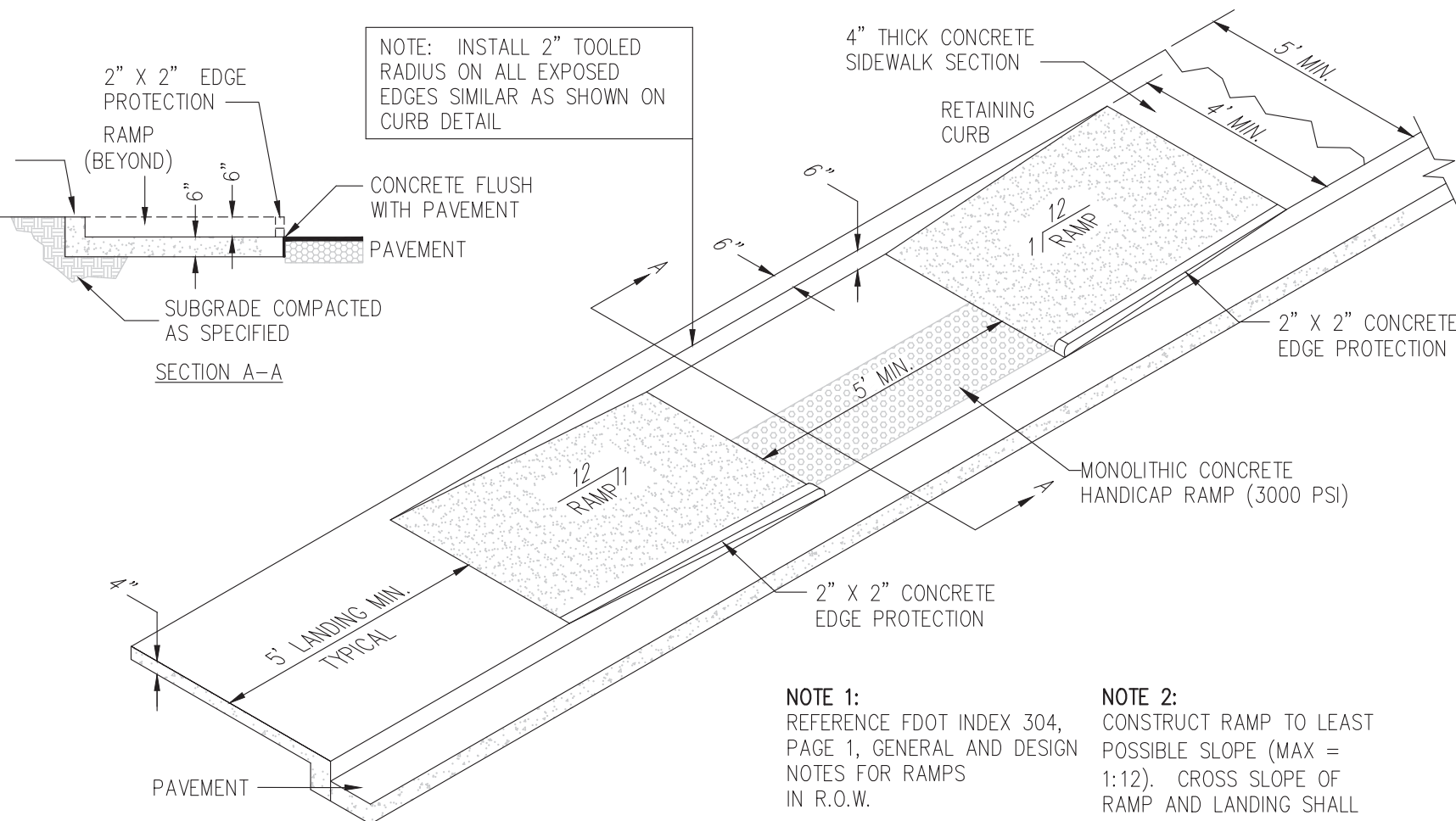
8 RIBBON CURB
3500 PSI (MIN.) N.T.S.



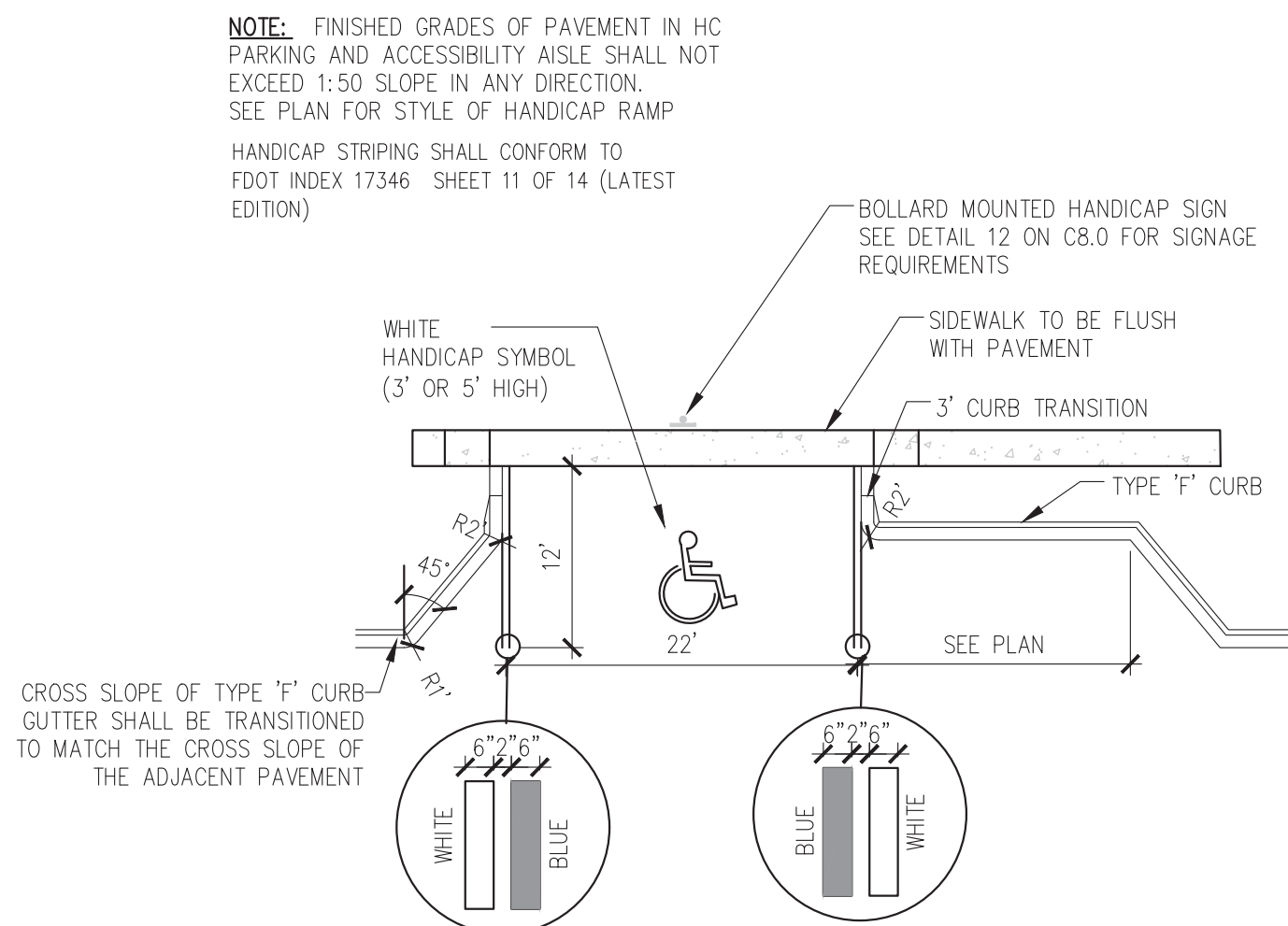
9 VALLEY GUTTER N.T.S.
(REFER TO F.D.O.T. INDEX 300)

NOTES:

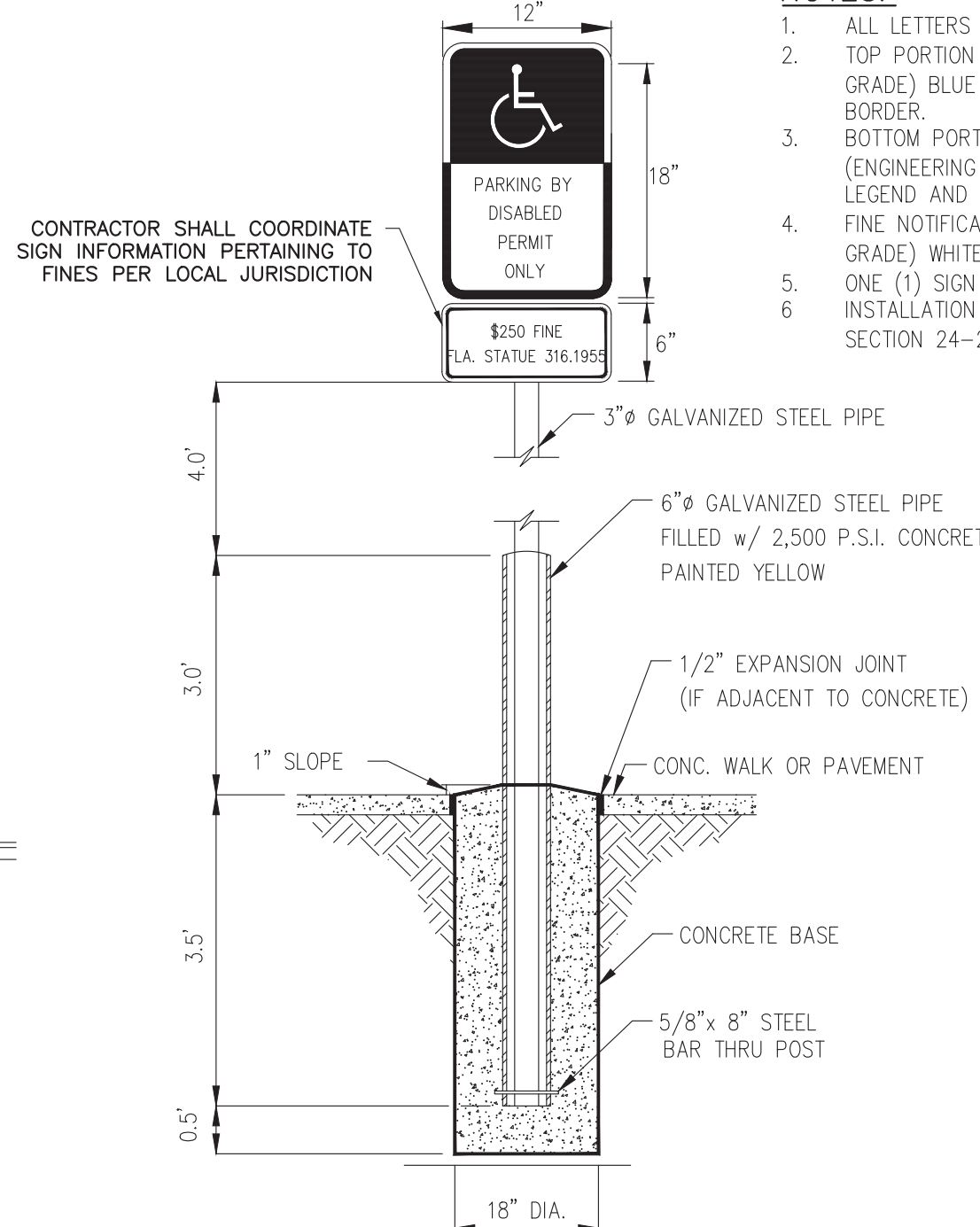
1. ALL LETTERS ARE 1" SERIES "C" PER M.U.T.C.D.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND & BORDER.
5. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
6. INSTALLATION HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL (M.U.T.C.D.).



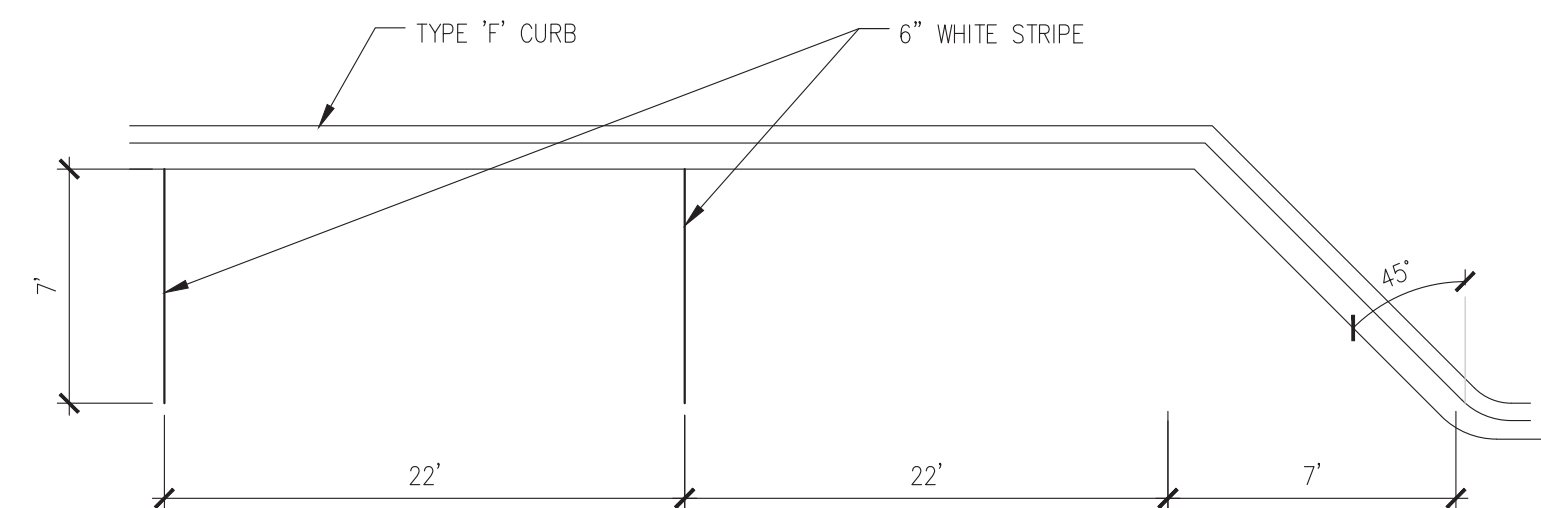
10 SIDEWALK HANDICAP RAMP
3000 PSI (MIN.) CONCRETE
N.T.S.



11 HANDICAP PARALLEL PARKING STRIPING
* ALL STRIPING TO BE THERMOPLASTIC
N.T.S.



12 BOLLARD PROTECTED HANDICAP SIGN
N.T.S.

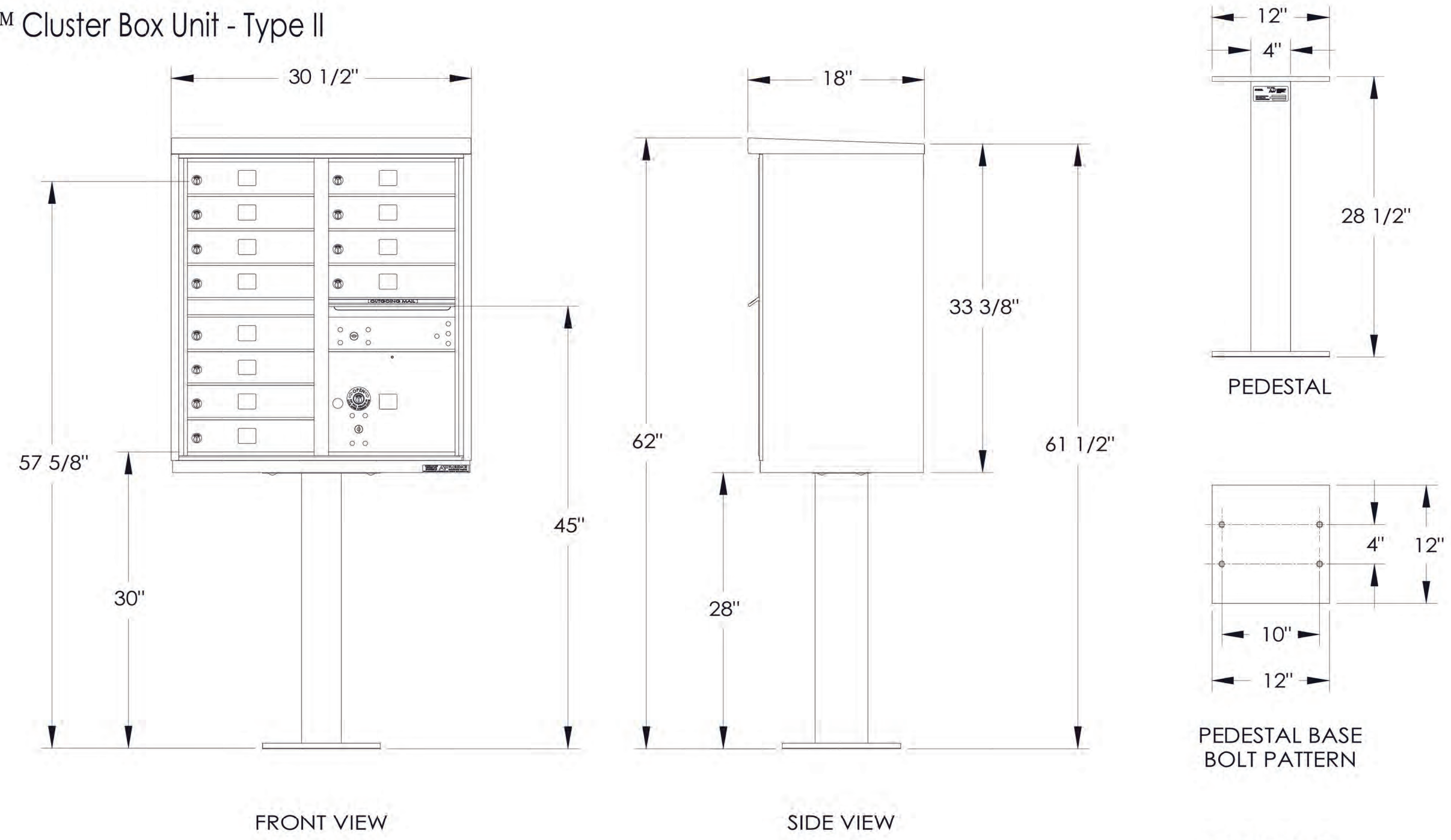


13 STANDARD PARALLEL PARKING STRIPING
* ALL STRIPING TO BE THERMOPLASTIC
N.T.S.



CIVIL ENGINEERING I LAND PLANNING				APPIAN ENGINEERING LLC.		APPIANFL.COM • 407.960.5688		2221 Lee Road, Suite 201, Wynnton Park, Wynnton, FL 32789		BY	
CONSTRUCTION SITE PLAN AMENDMENT				EDEN CREST (FKA LEE TERRACE)		CITY OF APOPKA, FLORIDA		DATE		DESCRIPTION	
DRAWN:	SCALE:	PROJECT:	CHECKED:	DATE:							
B. KILLELA	N.T.S.	O. SANCHEZ	DDC-001	2/14/25							
APPIAN ENGINEERING											
CIVIL ENGINEER											
No. 86492											
STATE OF FLORIDA											
PROFESSIONAL ENGINEER											

vital™ Cluster Box Unit - Type II



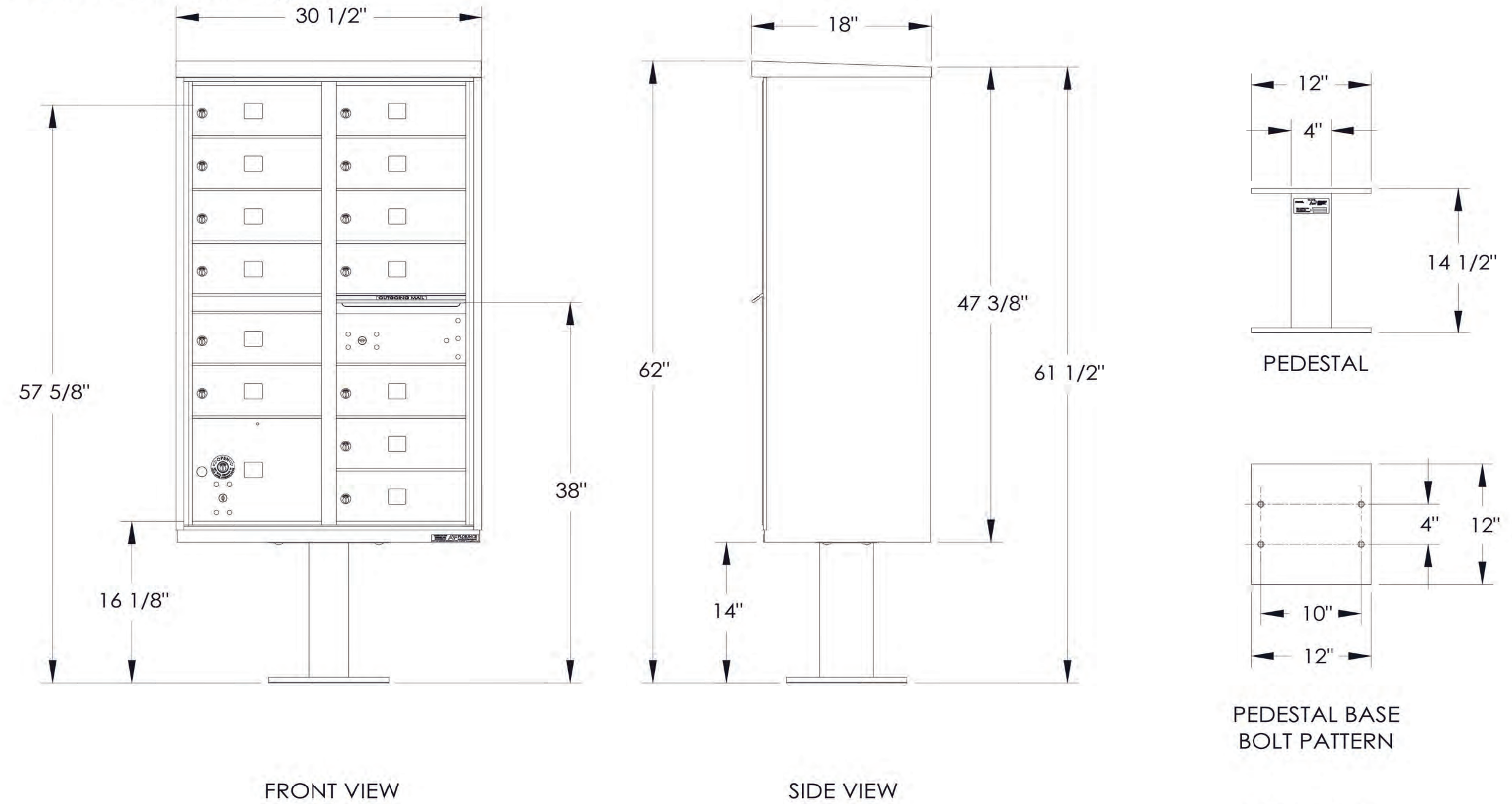
NOTES:

1. This unit is approved for USPS and private applications.
2. Decorative mailbox accessories sold separately and are USPS Approved products.
3. Pedestal should be installed with included Rubber Pad; mounting hardware not included, refer to installation manual for recommendations.
4. Florence "F" series CBU is Officially Licensed by USPS: License #CDSEQ-08-B-0012.

DOOR TYPE	DIMENSION (HEIGHT x WIDTH)
TENANT	3-3/8" x 12-13/16"
10" PARCEL	10-1/4" x 12-13/16"
OUTGOING SLOT	3/4" x 11-3/4"

PRODUCT SERIES: vital™ CLUSTER BOX UNIT			
 BudgetMailboxes <i>Best Brands. Best Prices.</i> .com WebLife Stores LLC PO Box 20338, Panama City Beach, FL 32417 www.budgetmailboxes.com • (866) 707-0008		MODEL 1570-12	REV A
		SCALE NONE	LAST REV DATE 9/26/2012
		DRAWING NUMBER 1570-12CS	DRAWN BY AFD

vital™ Cluster Box Unit - Type IV

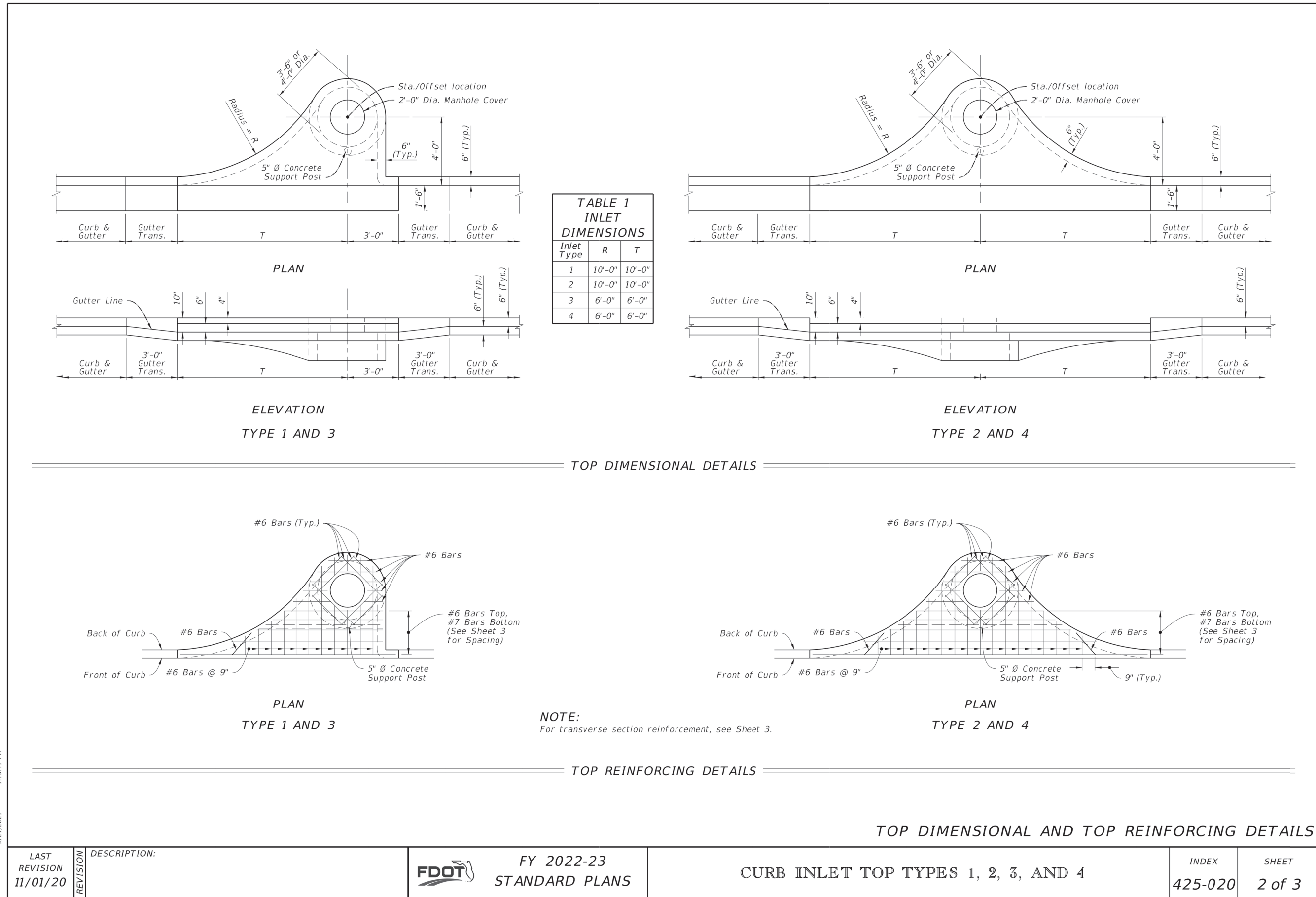


NOTES:

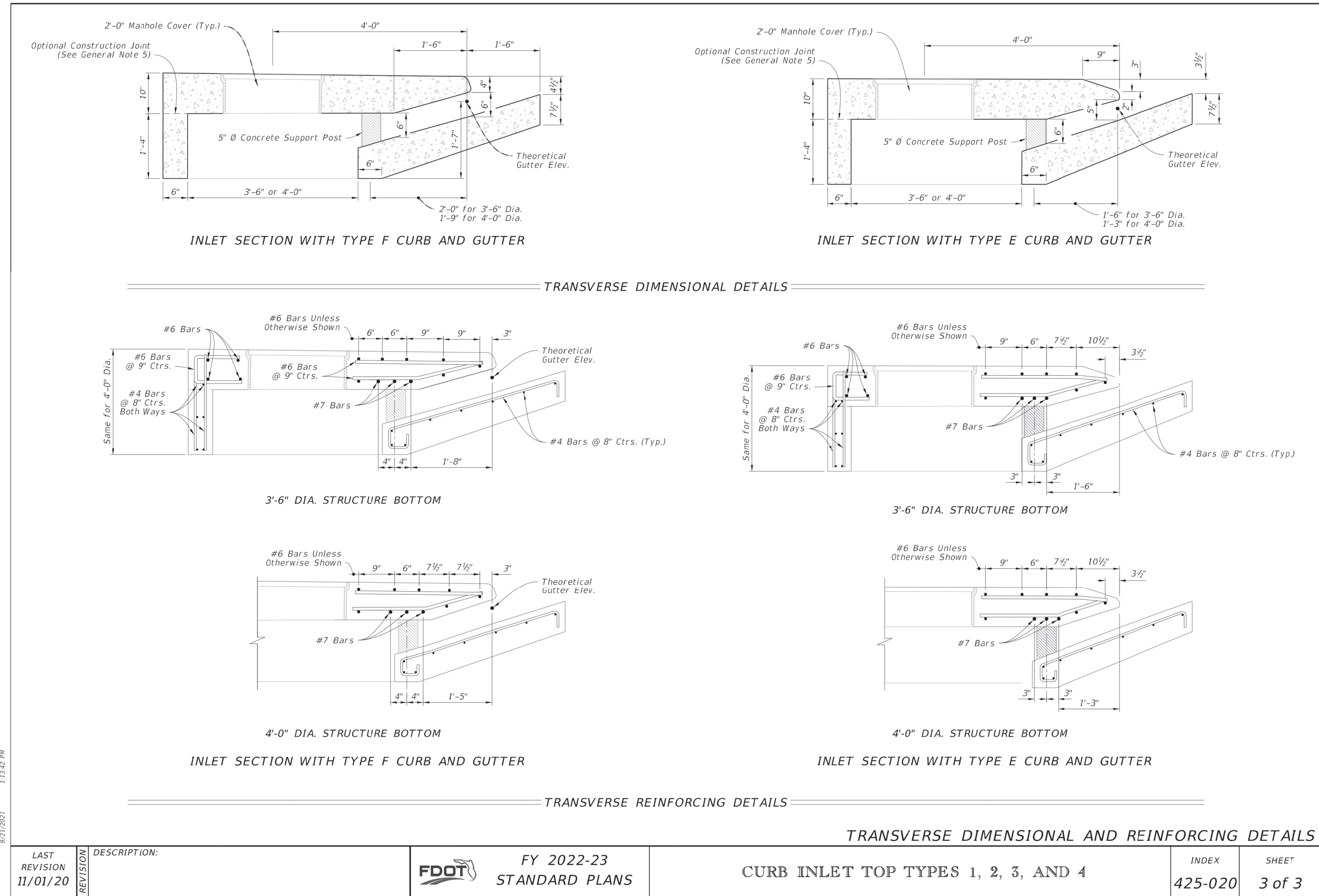
1. This unit is approved for USPS and private applications.
2. Decorative mailbox accessories sold separately and are USPS Approved products.
3. CBU pedestal should be installed with included Rubber Pad; mounting hardware not included, refer to installation manual for recommendation.
4. Florence "F" series CBU is Officially Licensed by USPS.
License#CDSEQ-08-B-0012

DOOR TYPE	DIMENSION (HEIGHT x WIDTH)
TENANT	5" x 12-13/16"
10" PARCEL	10-1/4" x 12-13/16"
OUTGOING SLOT	3/4" x 11-3/4"

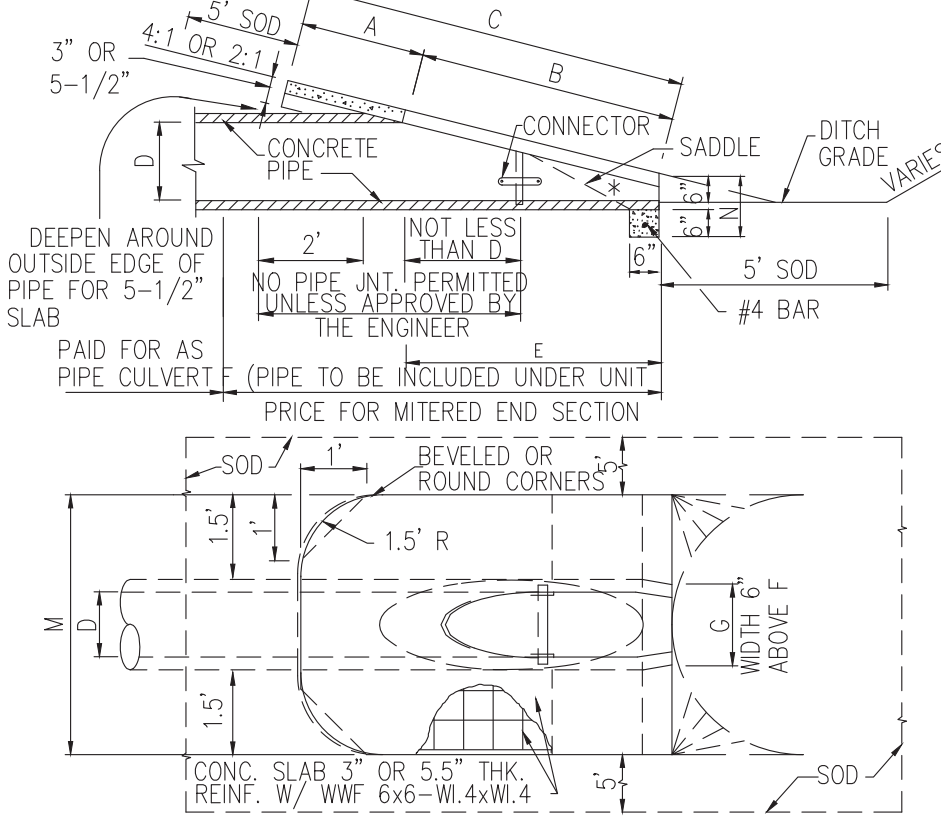
PRODUCT SERIES: vital™ CLUSTER BOX UNIT			
 BudgetMailboxes <i>Best Brands. Best Prices.</i> .com WebLife Stores LLC PO Box 20338, Panama City Beach, FL 32417 www.budgetmailboxes.com • (866) 707-0008	MODEL 1570-13		REV A
	SCALE NONE		LAST REV DATE 9/26/2012
	DRAWING NUMBER 1570-13CS		DRAWN BY AFD



5 TYPE 1, 2, 3, AND 4 INLETS
N.T.S.

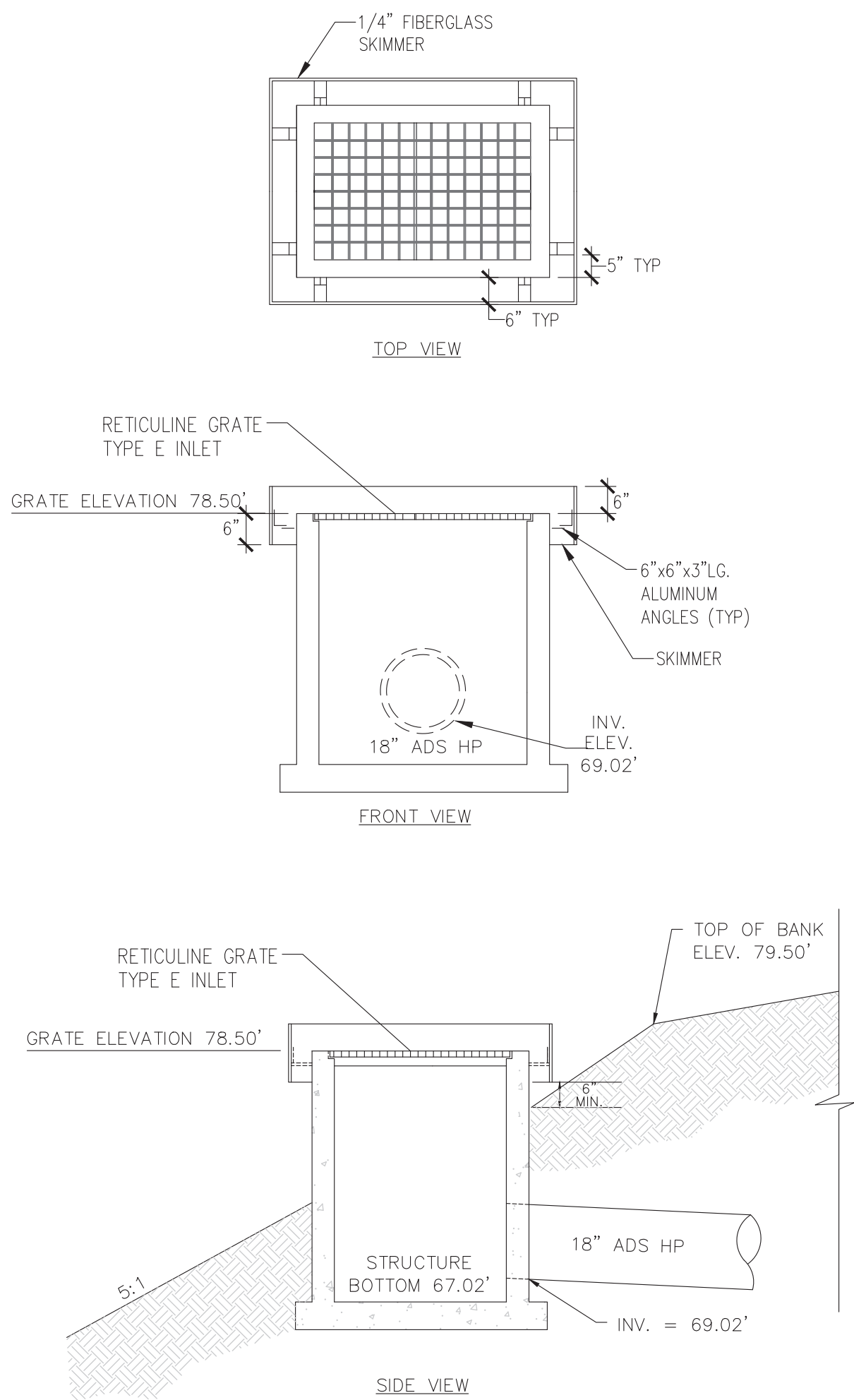


STORM SEWER PIPE LENGTHS NOTED IN THE DRAWINGS REFLECT ONLY THE PIPE ITSELF. WHERE A MITERED END SECTION IS INSTALLED ON SAID PIPE, ITS ADDITIONAL PIPE LENGTH SHALL BE INCLUDED IN THE COST OF THE MITERED END SECTION.



		DIMENSIONS AND QUANTITIES									
	D							M			
		A	B	C	E	F	G	PIPE	PIPE	PIPE	QUAD.
2:1 SLOPE	15"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	4.63'	7.21'	9.79'	12.37'
	18"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	4.92'	7.75'	10.58'	13.42'
	24"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	8.92'	12.33'	15.75'
	30"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	6.08'	10.33'	14.58'	18.83'
	36"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	11.75'	16.83'	21.92'
	42"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	7.25'	13.25'	19.25'	25.25'
	48"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	7.83'	14.58'	21.33'	28.08'
	54"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	8.42'	16.08'	23.75'	31.42'
	60"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	9.00'	17.50'	26.00'	34.50'
	66"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	9.58'	18.75'	27.92'	37.08'
4:1 SLOPE	15"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'	9.79'	12.37'
	18"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'
	24"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	8.92'	12.33'	15.75'
	30"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'
	36"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	6.67'	11.75'	16.83'	21.92'
	42"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	13.25'	19.25'	25.25'
	48"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'	14.58'	21.33'	28.08'
	54"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	8.42'	16.08'	23.75'	31.42'
	60"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	9.00'	17.50'	26.00'	34.50'
	66"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	9.58'	18.75'	27.92'	37.08'

* SLOPE- 4:1 MITER - TO C PIPE FOR PIPES 18" AND SMALLER
2:1 FOR PIPES 24" AND LARGER
2:1 MITER - TO C PIPE FOR PIPES 18" AND SMALLER
1:1 FOR PIPES 24" AND LARGER



4 DS-1 TYPE E MODIFIED INLET
N.T.S.

CIVIL ENGINEERING LAND PLANNING	APPIAN ENGINEERING LLC.	APPIANFL.COM • 407.960.5868	2221 Lee Road, Suite 217, West Palm Beach, Florida 33411	DESCRIPTION	DATE	BY
CONSTRUCTION SITE PLAN AMENDMENT	EDEN CREST (FKA LEE TERRACE)	CITY OF APOPKA, FLORIDA				
DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25			
SCALE: N.T.S.	PROJECT: DDC-001	SHEET: C9.0				



P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D Layouts\04 Final Engineering\UTILITY DETAILS.dwg Modified: 4/16/2024 By: bklila

PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS									
	POTABLE WATER		RECLAIMED WATER*		SANITARY SEWER FORCE MAIN		SANITARY SEWER GRAVITY MAIN		STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
POTABLE WATER	-	-	3'	12"	6'	12"	6'	12"	3'	6"
RECLAIMED* WATER	3'	12"	-	-	3'	12"	3'	12"	-	-
SANITARY SEWER FORCE MAIN	6'	12"	3'	12"	-	-	-	-	-	-
SANITARY SEWER GRAVITY MAIN	6'	6" ABOVE 12" BELOW	3'	12"	-	-	-	-	-	-

GENERAL NOTES:

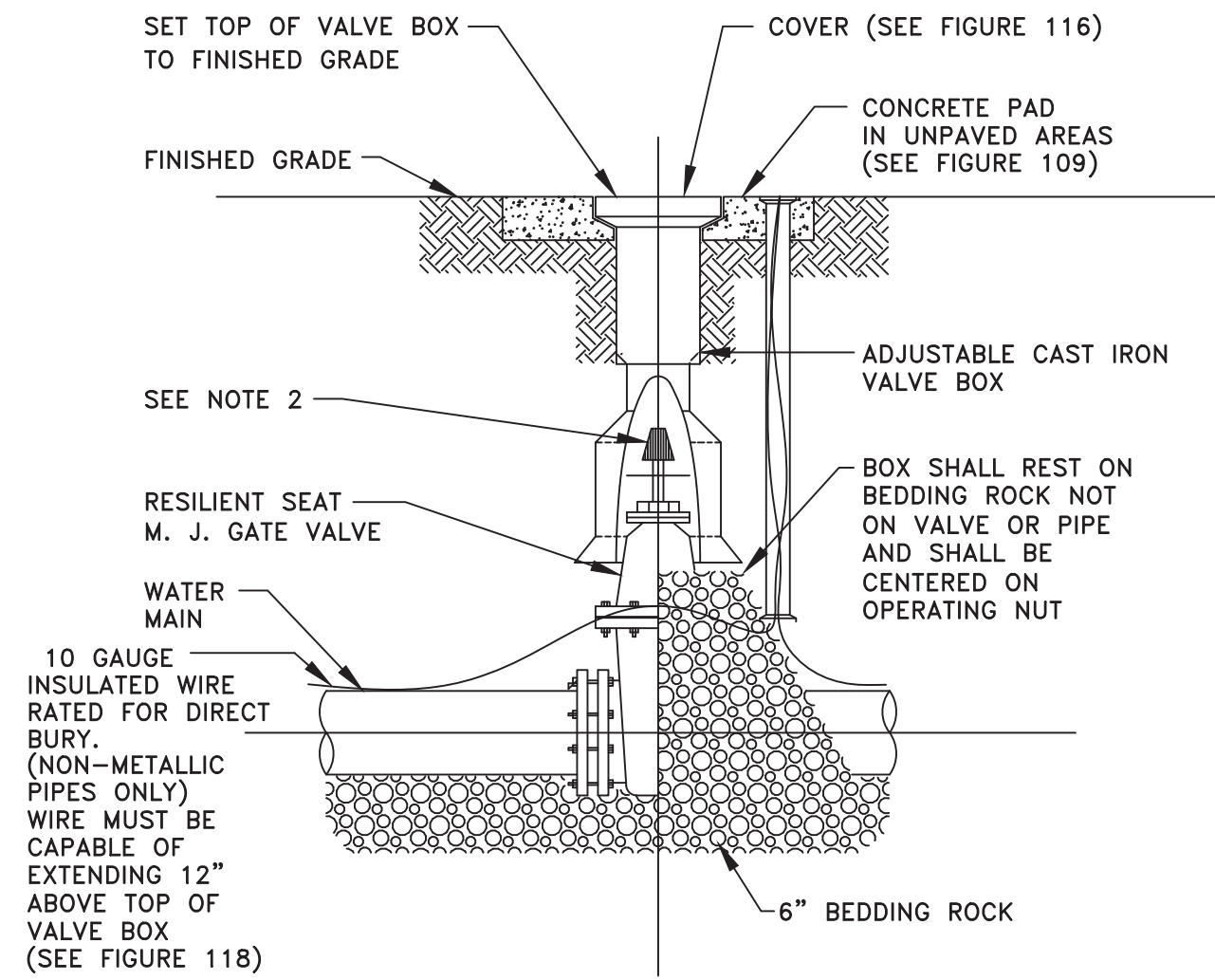
- THE TABLE REPRESENTS THE MINIMUM SEPARATION REQUIREMENTS AS DESCRIBED IN F.D.E.P. RULES OF THE FLORIDA ADMINISTRATION CODE (F.A.C.). THESE SEPARATION REQUIREMENTS SHALL APPLY BETWEEN NEWLY PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES.
- FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS REUSE WATER AS DEFINED BY F.A.C. 17-610. OTHER TYPES OF RECLAIMED WATER ARE CONSIDERED RAW SEWAGE AND SEPARATIONS LISTED FOR SANITARY SEWER SHALL APPLY.
- ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE UNLESS OTHERWISE SPECIFIED. CRITERION PRODUCING GREATER CLEARANCE SHALL BE USED.
C/C - DENOTES CENTER OF PIPE TO CENTER OF PIPE.
O/O - DENOTES OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- ACCEPTABLE VARIANCES:
 - WHERE HORIZONTAL SEPARATION IS NOT ATTAINABLE, PVC-C-900 SDR-14 OR CONCRETE ENCASUREMENT MUST BE USED FOR THE SANITARY SEWER LINE FOR AT LEAST ONE OF THE PIPES. PVC-C-900 SDR 14 OR CONCRETE ENCASUREMENT MUST BE USED UNTIL MINIMUM CLEARANCE IS REGAINED.
 - WHERE 18 INCH VERTICAL SEPARATION IS NOT ATTAINABLE AT CROSSINGS, USE ONE FULL LENGTH OF PVC-C-900 SDR-14 FOR SANITARY SEWERS OR ENCASED PIPE CENTERED AT THE POINT OF CROSSING SPECIAL SUPPORT MAY BE REQUIRED.
- NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
- CONCRETE ENCASUREMENT SHALL NOT BE USED UNLESS APPROVED BY PUBLIC SERVICES DIRECTOR OR HIS DESIGNEE.

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 104



NOTES:

- PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
- THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN A 3 FEET BELOW FINISHED GRADE.

GATE VALVE AND BOX DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 400

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *												
	PIPE SIZE											
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"	
90° BEND	33	43	51	60								
45° BEND	14	18	22	25								
22-1/2° BEND	7	9	11	12								
11-1/4° BEND	4	5	6	6								
TEE**	1	7	24	44								
REDUCER (ONE SIZE SMALLER)		41	39	40								
DEAD END	74	96	115	136								

* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

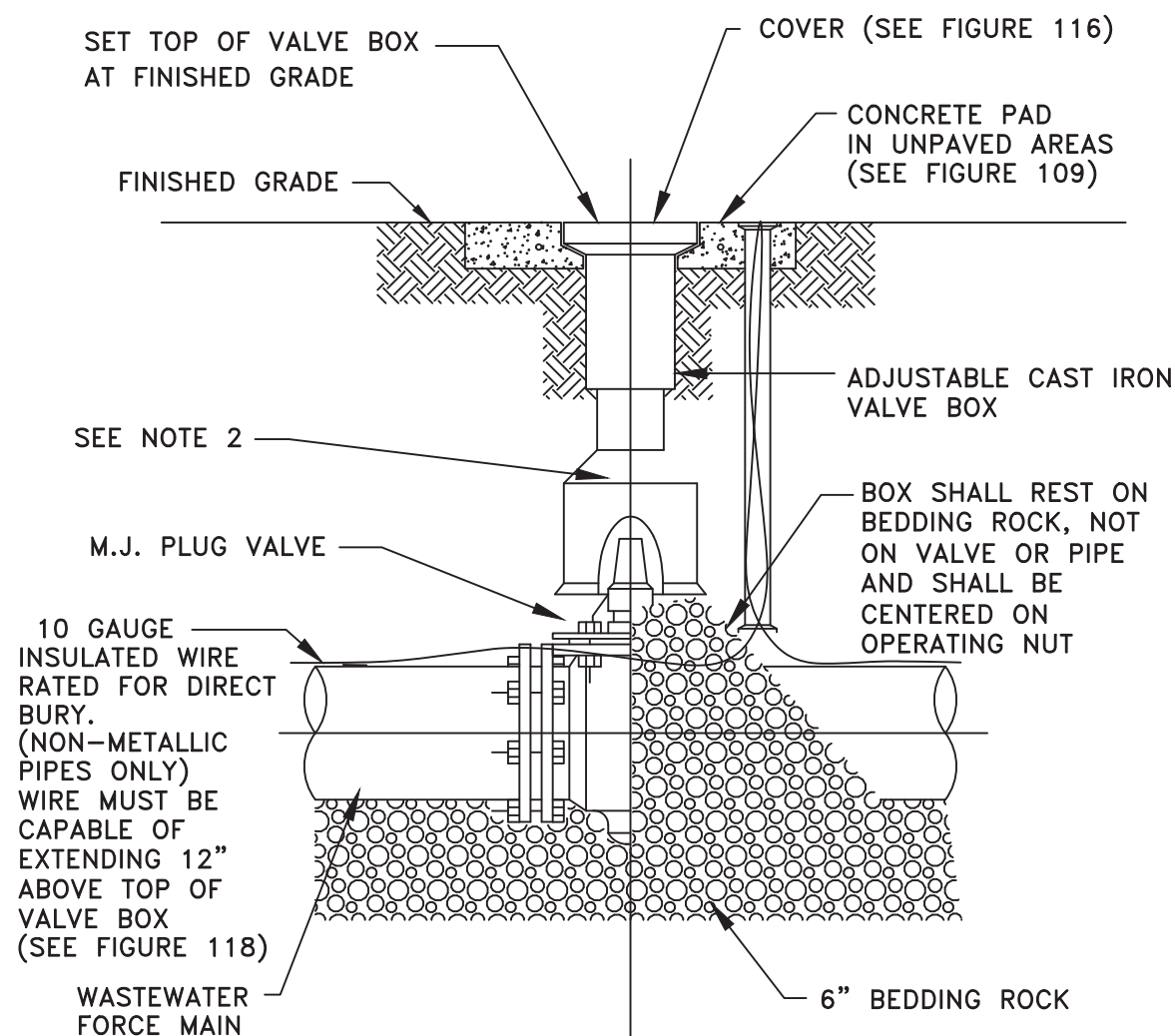
- FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
- INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
- WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
- IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
- LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, FOR PVC WITH THE FOLLOWING ASSUMPTIONS:
TYPE OF PIPE: PVC
WORKING PRESSURE: 150 P.S.I.** ** FM = 100 P.S.I. / WM OR RWM = 150 P.S.I.
SOIL DESIGNATION: SM SAND SILT
LAYING CONDITIONS: 3
- FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
- VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 105



NOTES:

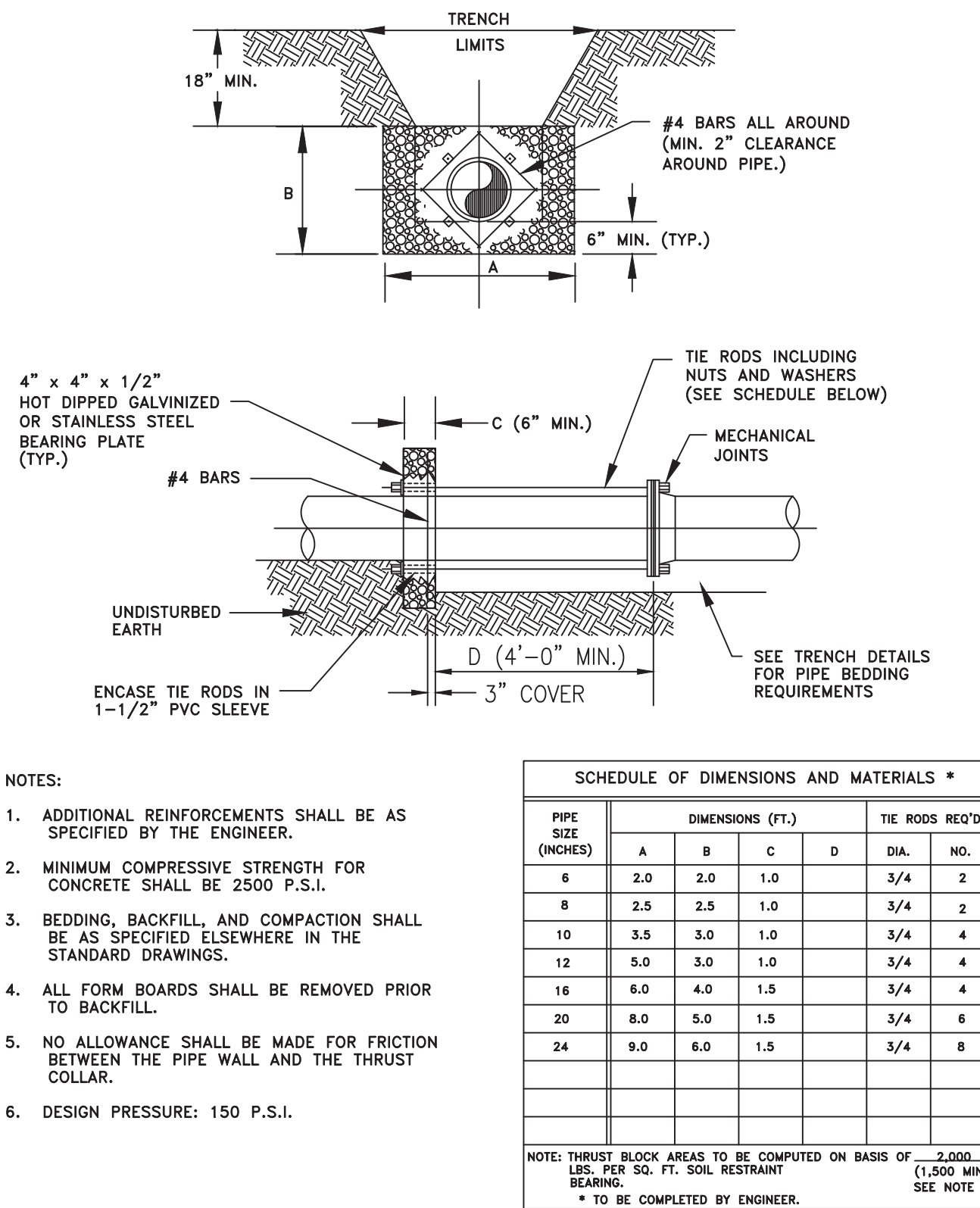
- PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
- THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

PLUG VALVE AND BOX DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 400 A



NOTES:

- ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
- MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 2500 P.S.I.
- BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
- ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
- NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
- DESIGN PRESSURE: 150 P.S.I.

PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	3/4"	NO.
6	2.0	2.0	1.0		3/4"	2
8	2.5	2.5	1.0		3/4"	2
10	3.5	3.0	1.0		3/4"	4
12	5.0	3.0	1.0		3/4"	4
16	6.0	4.0	1.5		3/4"	4
20	8.0	5.0	1.5		3/4"	6
24	9.0	6.0	1.5		3/4"	8

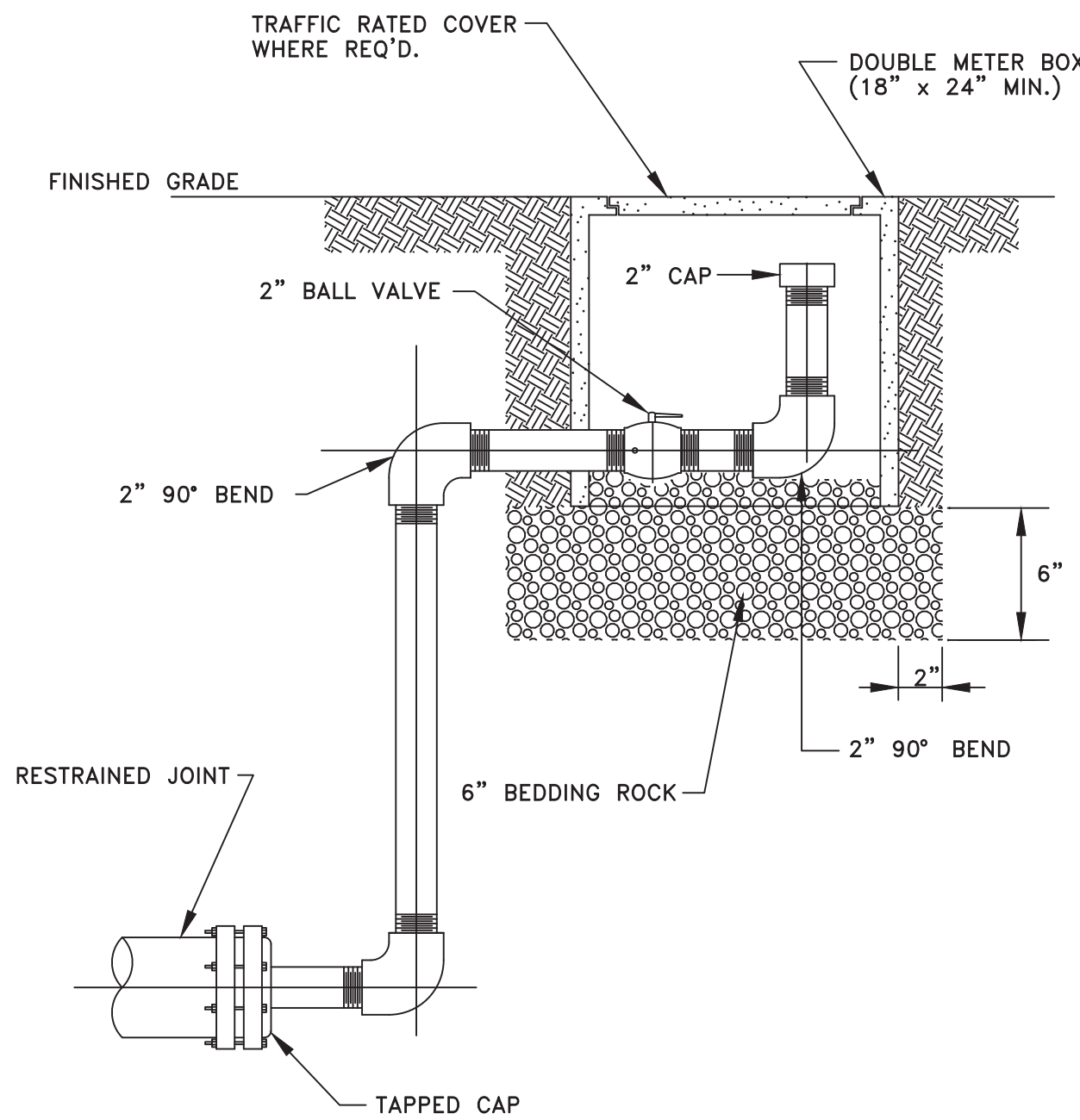
NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF 2,000 LBS. PER SQ. FT. SOIL RESTRAINT (1,500 MIN) SEE NOTE 5
* TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 107



NOTES:

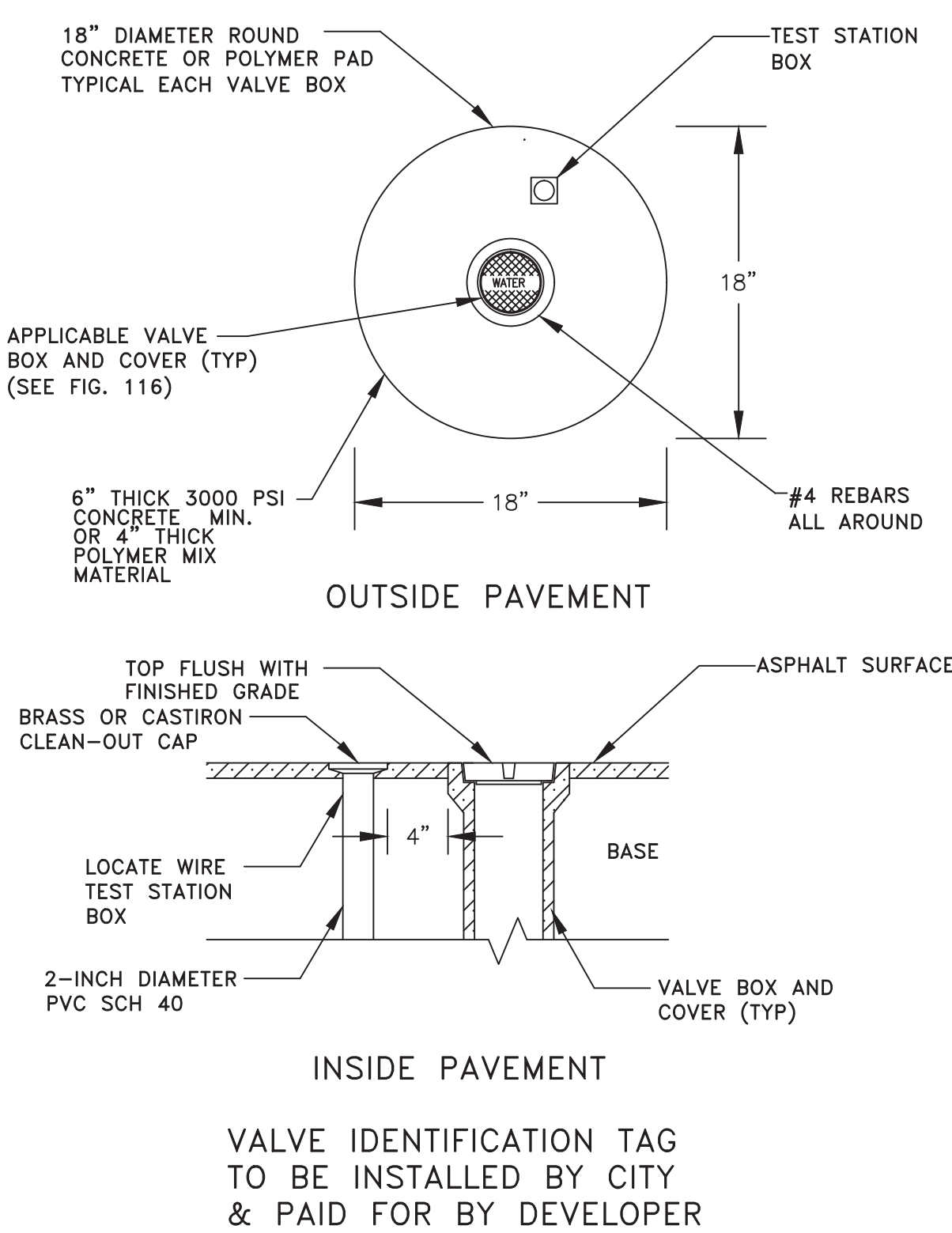
- ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
- COLOR SHALL BE APPROPRIATE FOR USE.

BLOWOFF VALVE DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 403

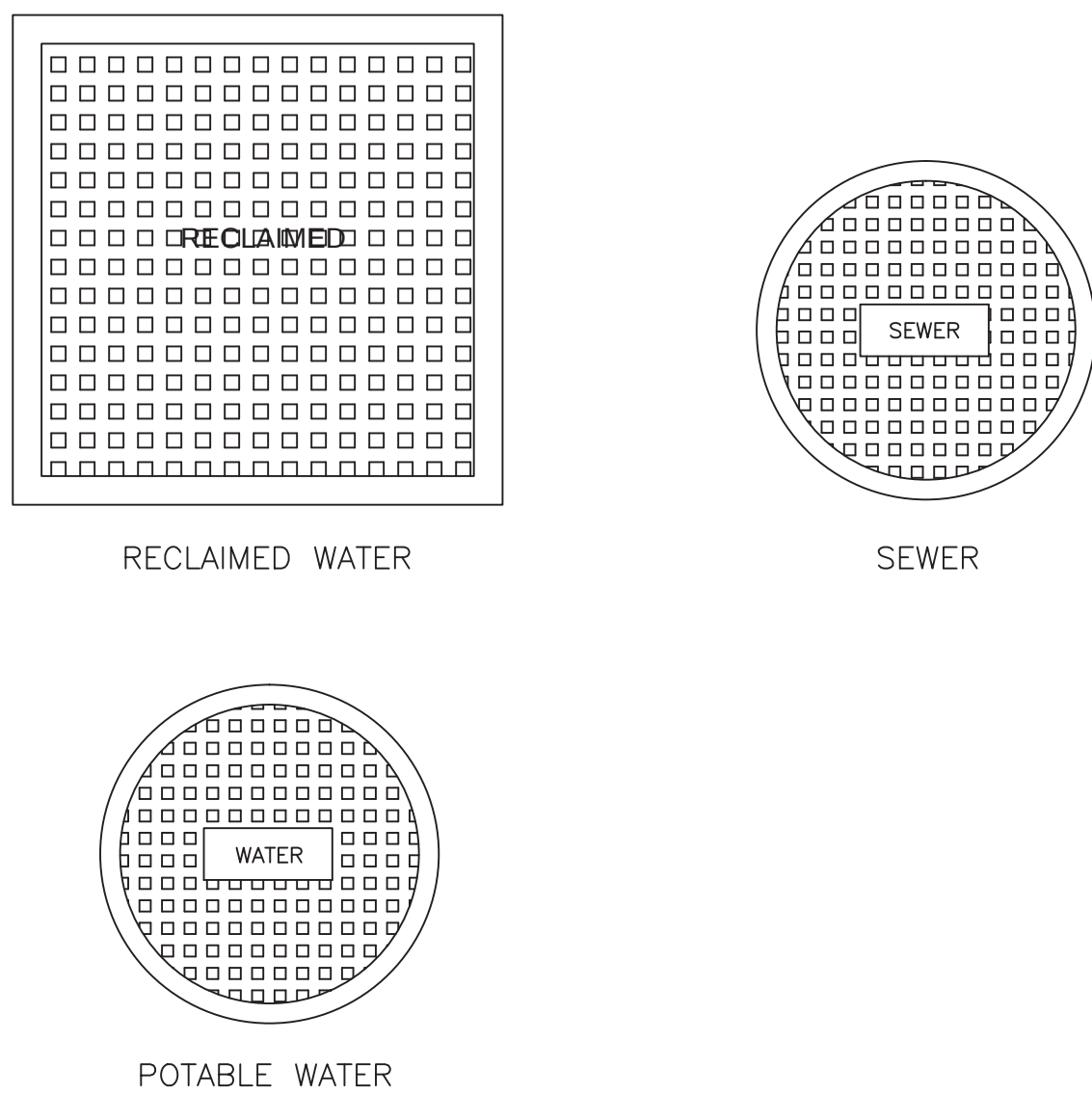


VALVE BOX

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 109



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 116

CIVIL ENGINEERING I LAND PLANNING	DESCRIPTION	BY
APPIAN ENGINEERING LLC.		
APPIANFL.COM • 407.960.5688	DATE	
2221 Lee Road, Suite 217, Winter Park, Florida 32789	REV.	

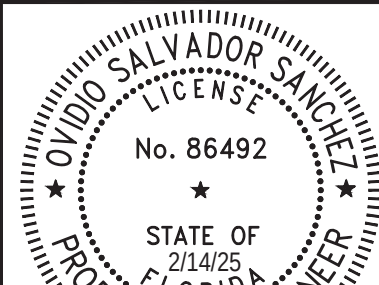
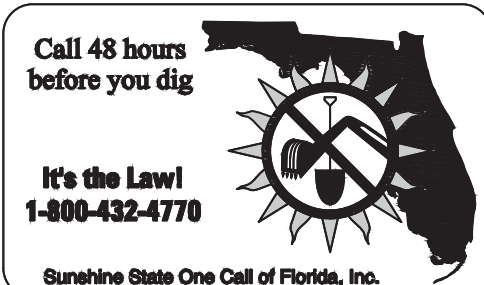
UTILITY DETAILS

CONSTRUCTION SITE PLAN AMENDMENT

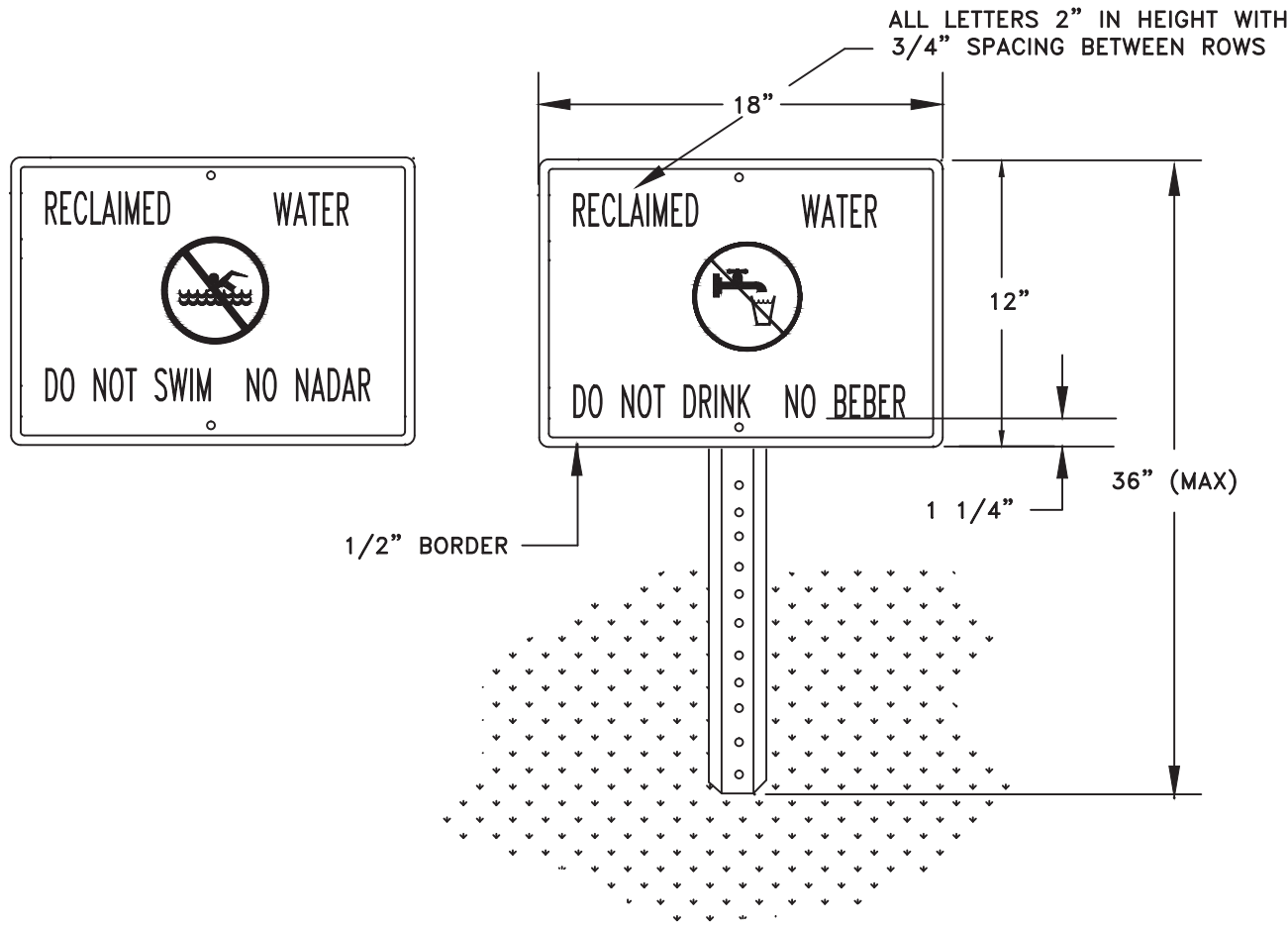
EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA	DESIGNED: O. SANCHEZ	CHECKED: O. SANCHEZ	DATE: 2/14/25
SCALE N.T.S.	PROJECT DDC-001	SHEET C10.0	



P:_PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D\Layouts\04 Final Engineering\UTILITY DETAILS.dwg Modified: 4/16/2024 By: bklila



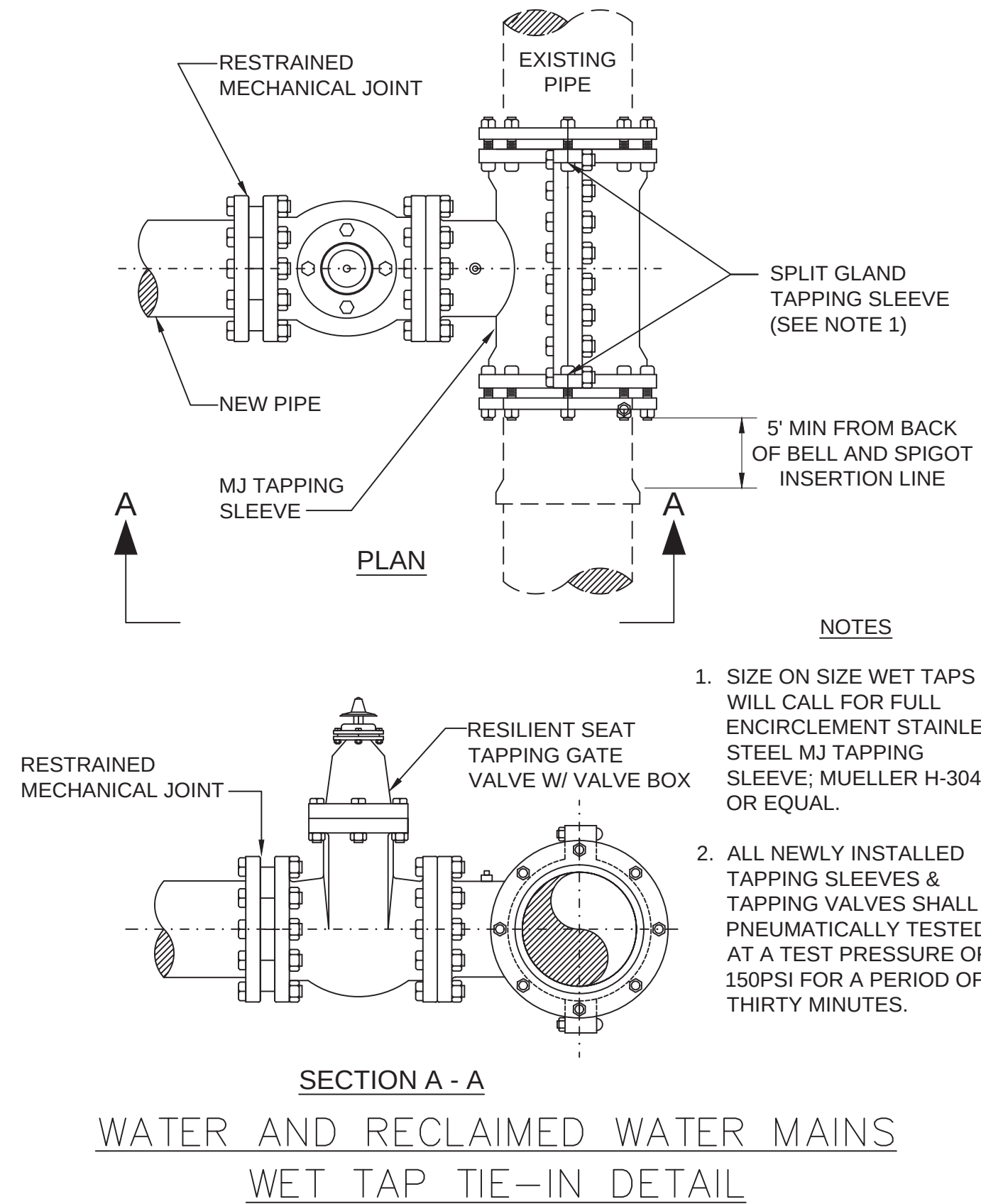
- NOTES:
- HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
 - BACKGROUND SHALL BE WHITE, LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
 - ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
 - POST SHALL BE U CHANNEL 12 FT, 2 LB. HOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, HOT DIP GALVANIZED PER ASTM A-123.
 - MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
 - SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 115

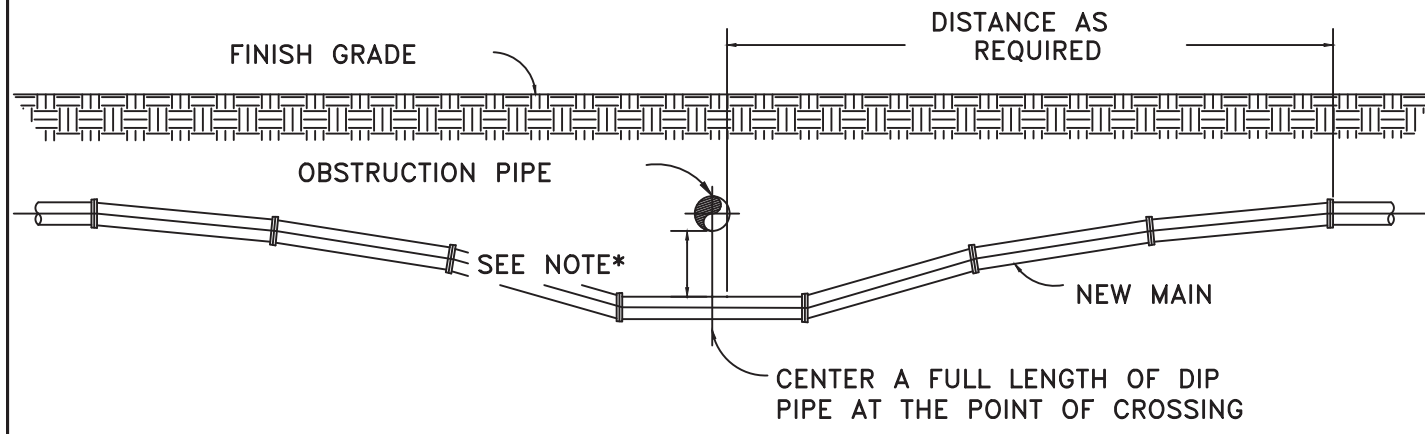


WATER AND RECLAIMED WATER MAINS
WET TAP TIE-IN DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 406

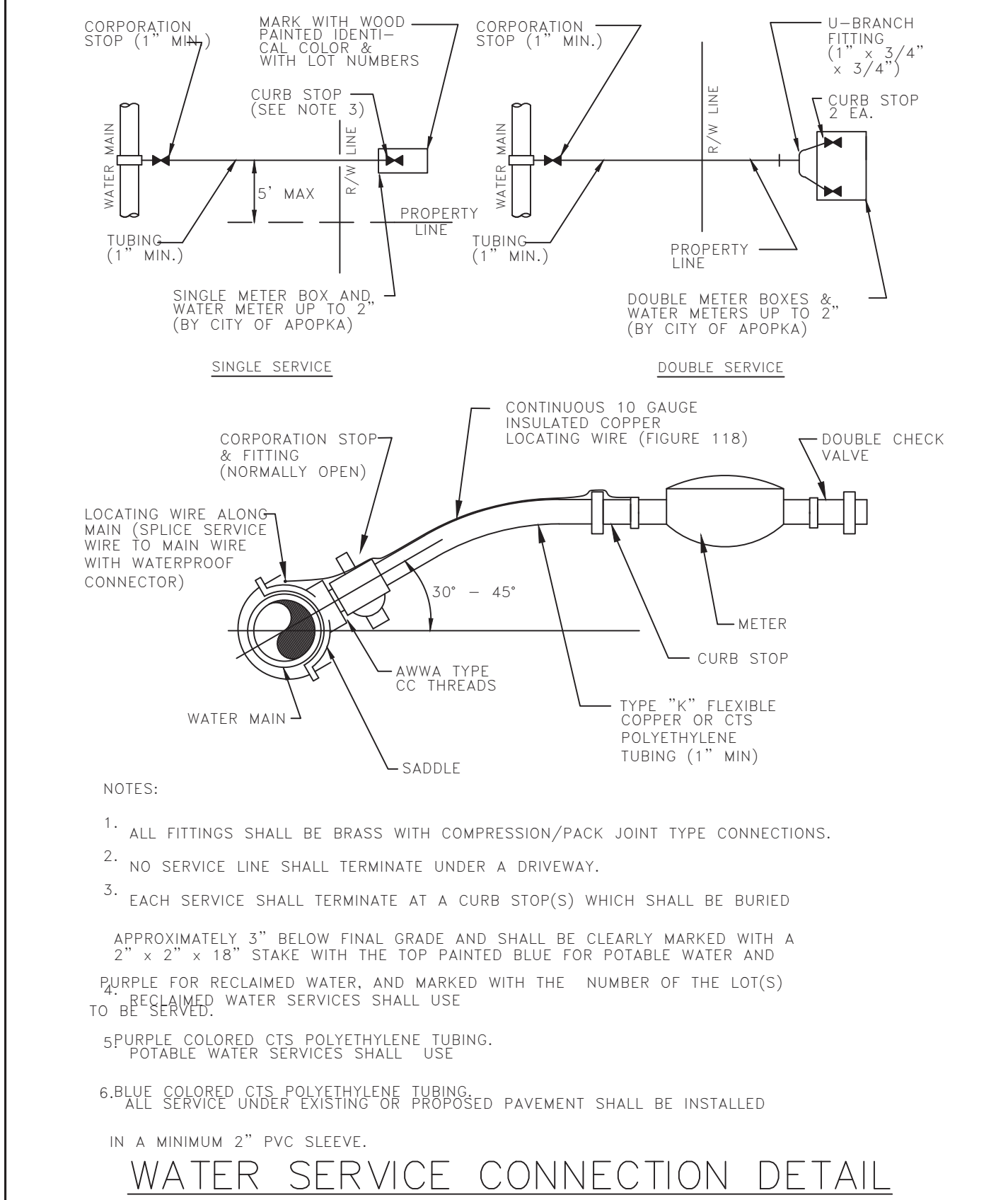


UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 117

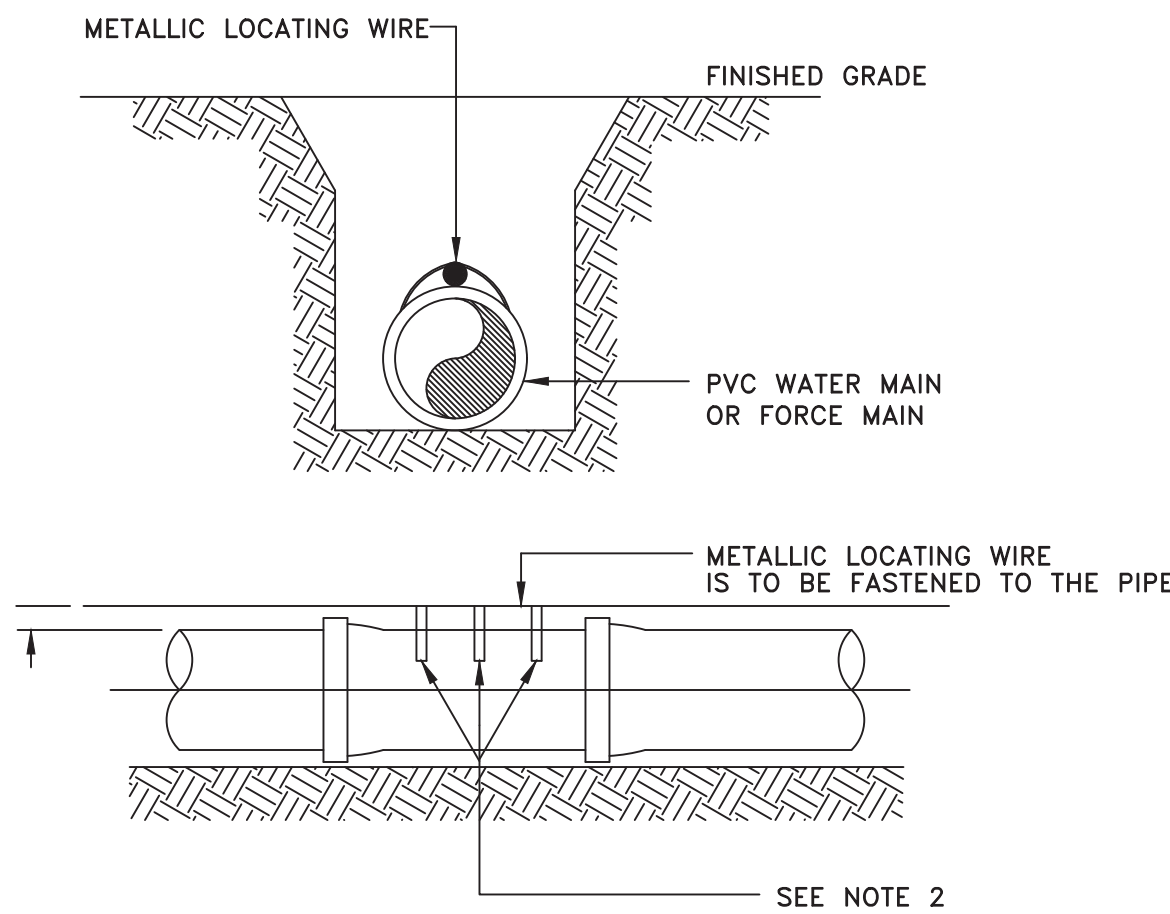


WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 405

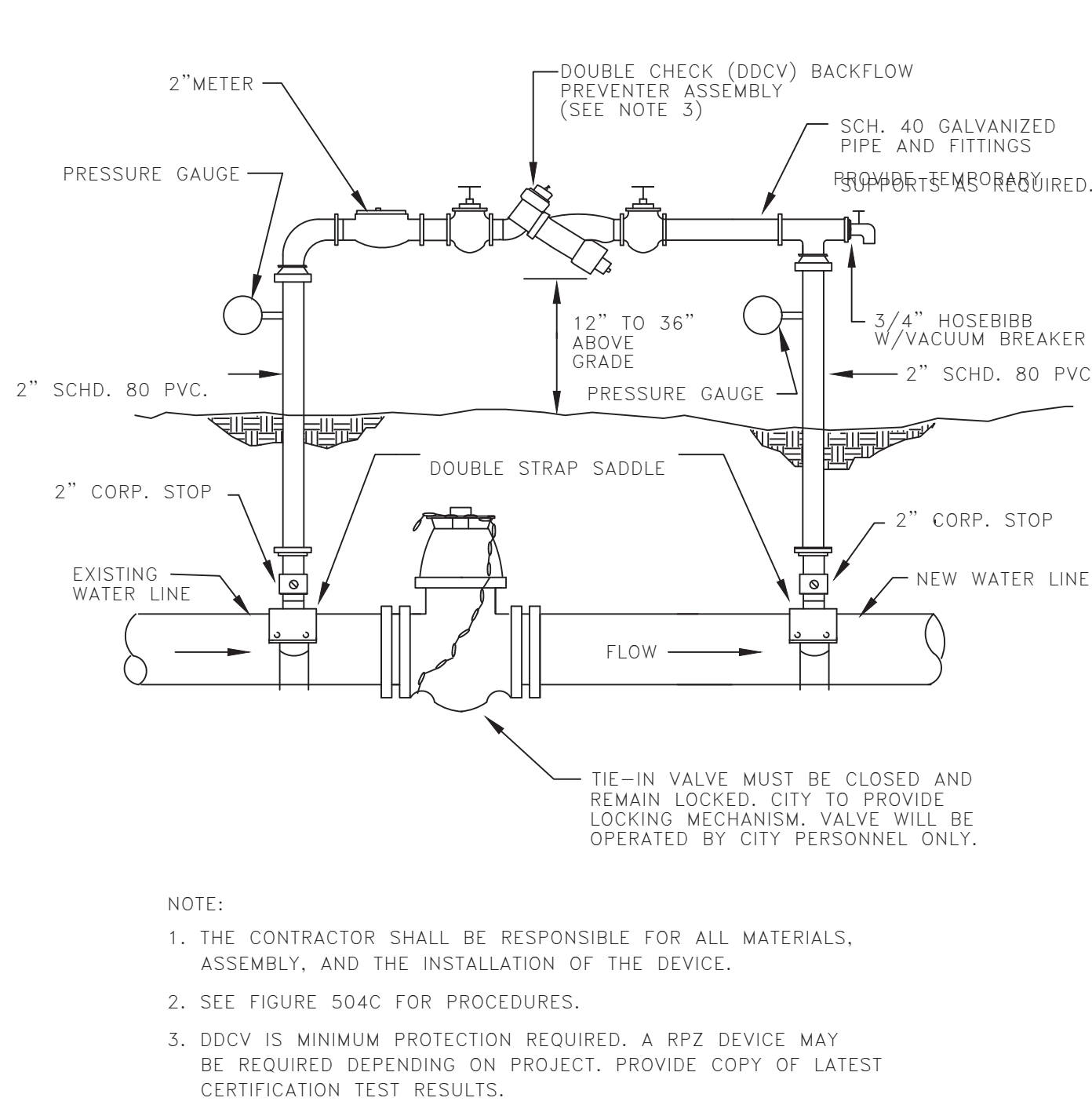


PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 118

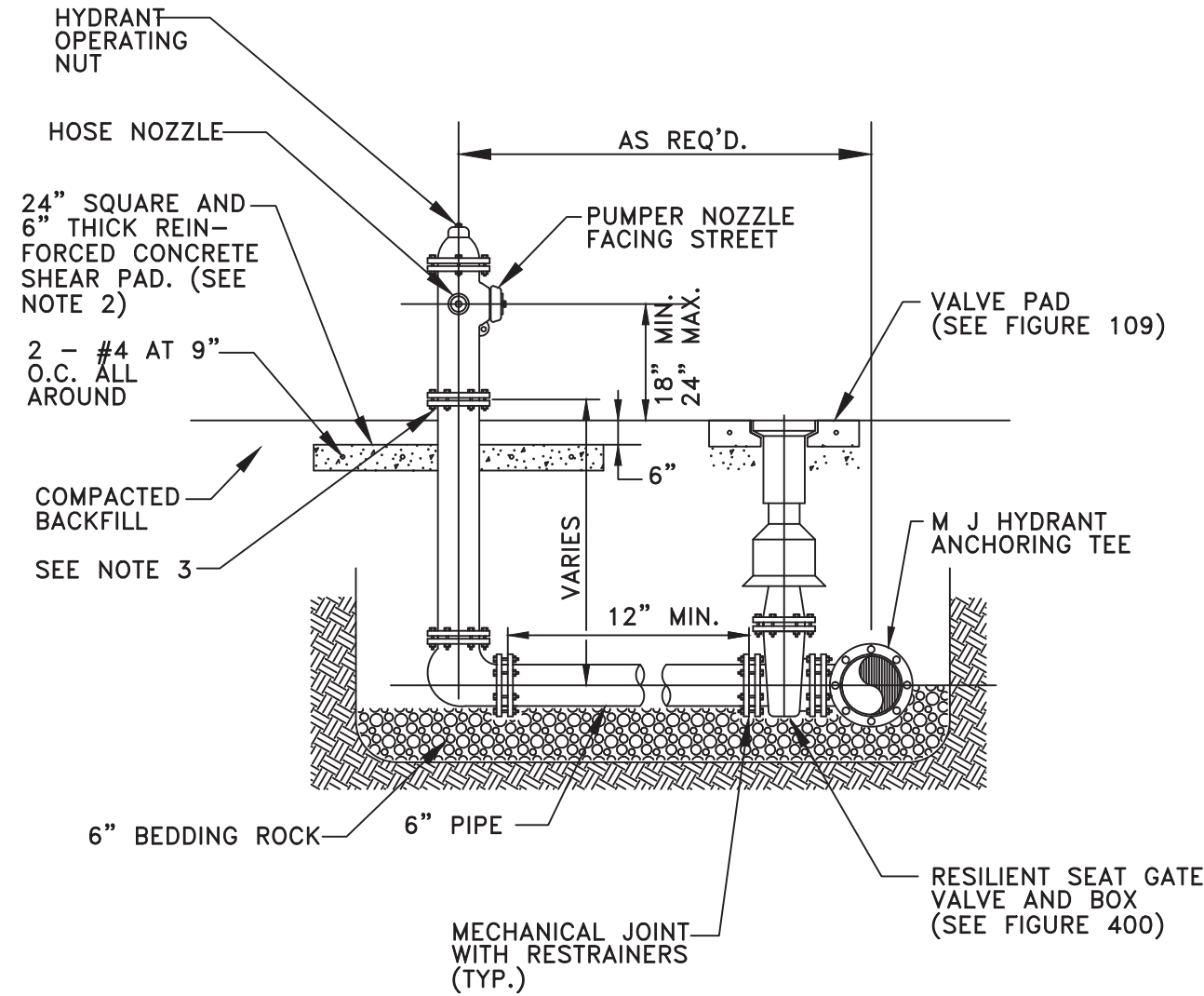


TEMPORARY JUMPER CONNECTION

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 504 A



FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 402

- TEMPORARY JUMPER CONNECTION NOTES:
- A temporary jumper connection is required at all connections between existing active water mains and proposed new water main improvements.
 - Figures 504 A and 504 B to be used for filling any new water main of any size from existing active water mains and for flushing of new mains up to 8 inches in diameter (2.5 FPS minimum velocity) and for pulling bacteriological samples from any new water main of any size. The jumper connection shall be maintained until after filling, flushing testing and disinfection of the new main has been successfully completed and cleared for use from the Florida Department of Environmental Protection (FDEP) and other pertinent agencies have been received. The jumper connection shall also be used to maintain a minimum pressure of 20 psi in the new mains after disinfection and until the FDEP clearance letter is obtained. Thrust blocking and/or restrainers shall be provided temporarily, as required. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, 2005 edition. The tapping sleeve and the exterior of the main to be tapped shall be disinfected by spraying or swabbing per section II of AWWA C651-05.
 - Flushing of 10 inches in diameter and larger water mains may be done through the tie-in valve under very controlled conditions. The following procedures shall be followed:
 - The tie-in valves shall be operated and pressure tested in the presence of the City engineer to verify water tightness prior to tie-in. Valves which are not water tight shall be replaced with a new valve installed immediately adjacent to the leaking valve.
 - The temporary jumper connection shall be constructed as detailed. The jumper connection shall be used to fill the new water main and for providing water for bacteriological sampling of the new main as required by the FDEP permit.
 - Flushing shall not be attempted during peak demand hours of the existing water mains.
 - All downstream valves in the system must be open prior to opening the tie-in valve.
 - Provide for and monitor the pressure in the tie-in point. The pressure in the existing main must not drop below 35 psi.
 - The tie-in valve shall be opened a few turns only, ensuring a pressure drop across the valve is greater than 10 psi.
 - The tie-in valve shall be locked closed by the City personnel until flushing begins.
 - The tie-in valve shall be opened only for flushing of the new main. The procedure shall be directed by the City and observed by the engineer.
 - After flushing, the tie-in valve shall be closed and locked in the closed position by the City personnel.
 - The contractor shall provide documentation demonstrating that the double check backflow prevention device has been tested and is in good working order at the time of installation.
 - Except as required to flush lines of greater than 8 inches in diameter, the tie-in valve shall remain closed and shall be locked in the closed position by the City. The tie-in valve shall remain locked closed until the new system has been cleared for use by FDEP and all other pertinent agencies.
 - Upon receipt of clearance for use from FDEP and all other pertinent agencies, the contractor shall remove the temporary jumper connection. The corporation stops are to be closed and plugged with 2 inch brass plugs.
 - All installation and maintenance of the temporary jumper connection and associated backflow prevention device, fittings, valve, etc. shall be the responsibility of the contractor.

PROCEDURES FOR
TEMPORARY JUMPER CONNECTION

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

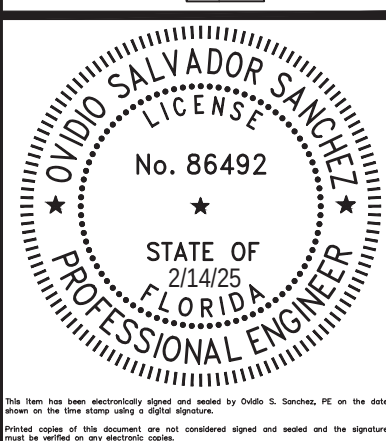
JANUARY 2014

FIG. 504 C

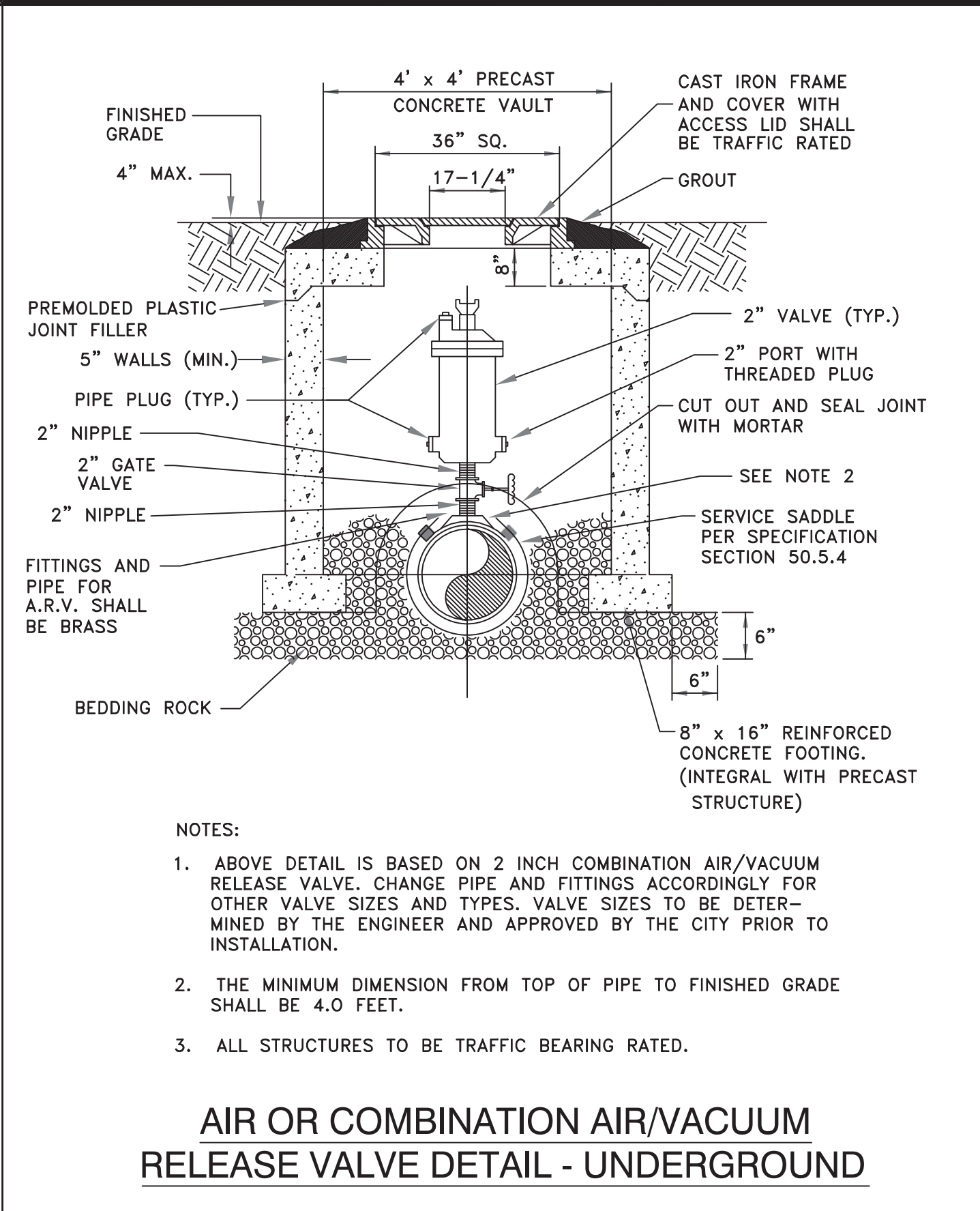
REV	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

UTILITY DETAILS
CONSTRUCTION SITE PLAN AMENDMENT
EDEN CREST (FKA LEE TERRACE) CITY OF APOPKA, FLORIDA

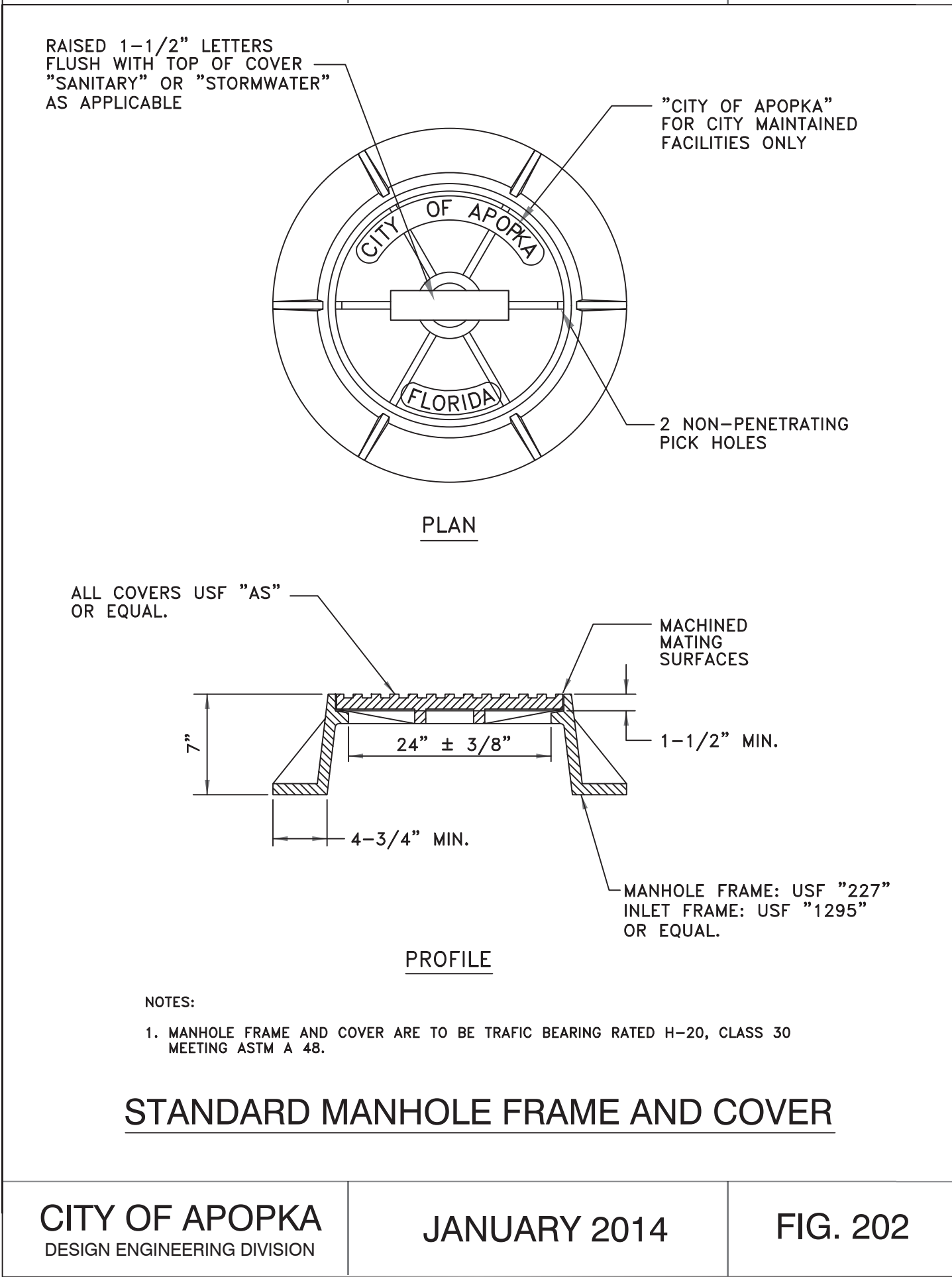
DRAWN:	DESIGNED:	CHECKED:	DATE:
B. KILLELA	O. SANCHEZ	O. SANCHEZ	2/14/25
SCALE:	PROJECT:	SHEET:	C10.1
N.T.S.	DDC-001		



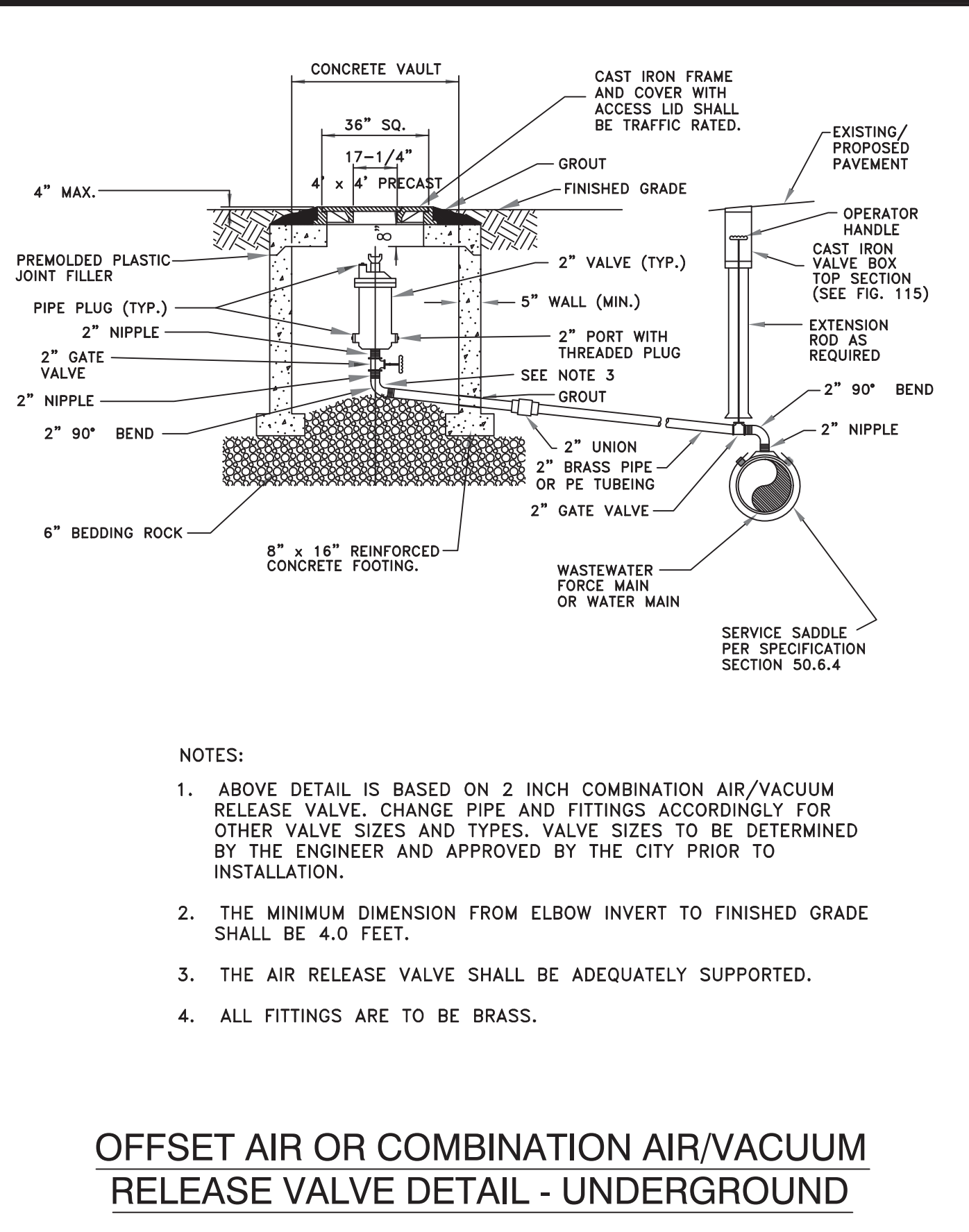
P:\PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D Layouts\04 Final Engineering\UTILITY DETAILS.dwg Modified: 4/16/2024 By: bklila



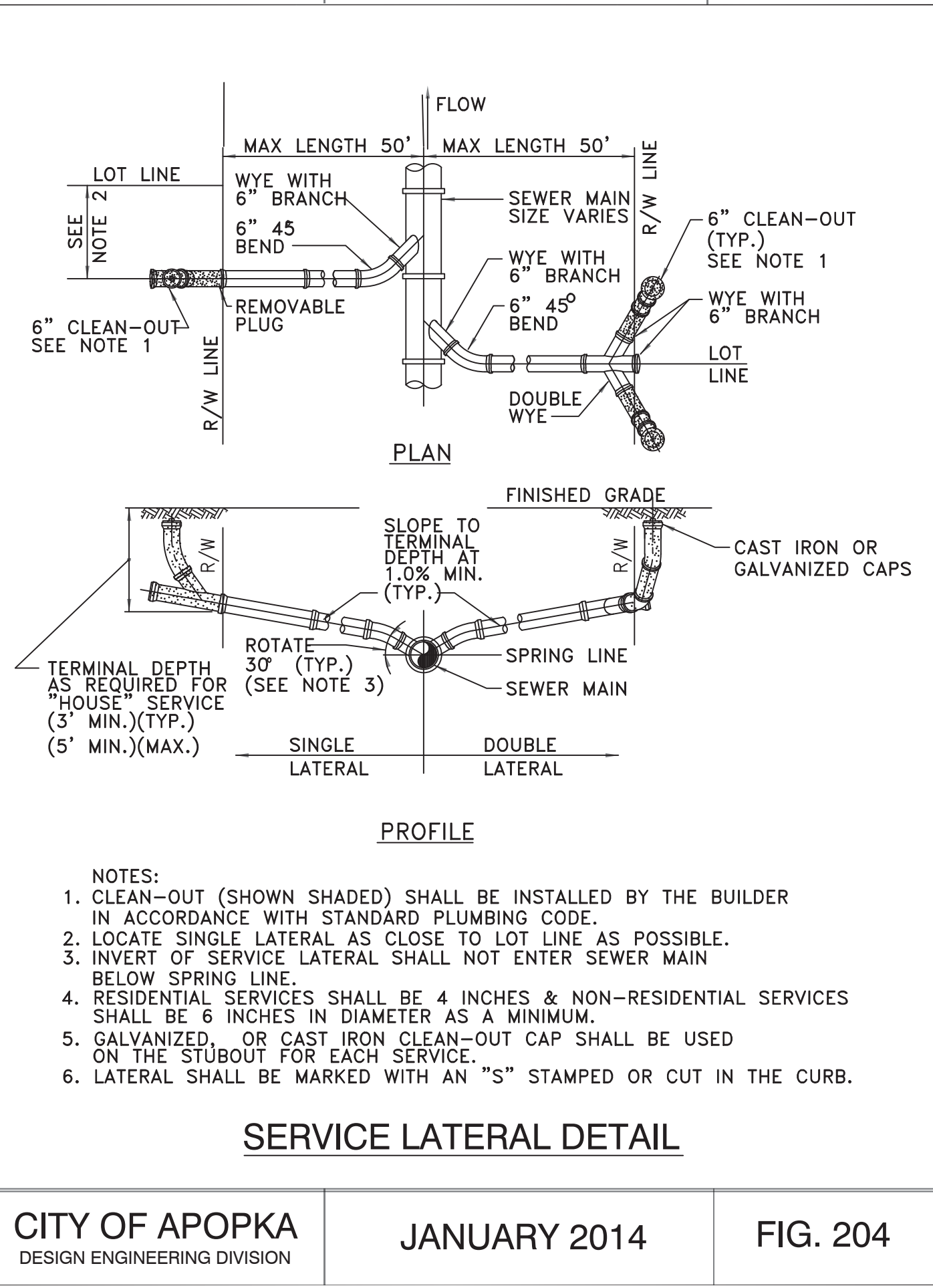
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 119
---	--------------	----------



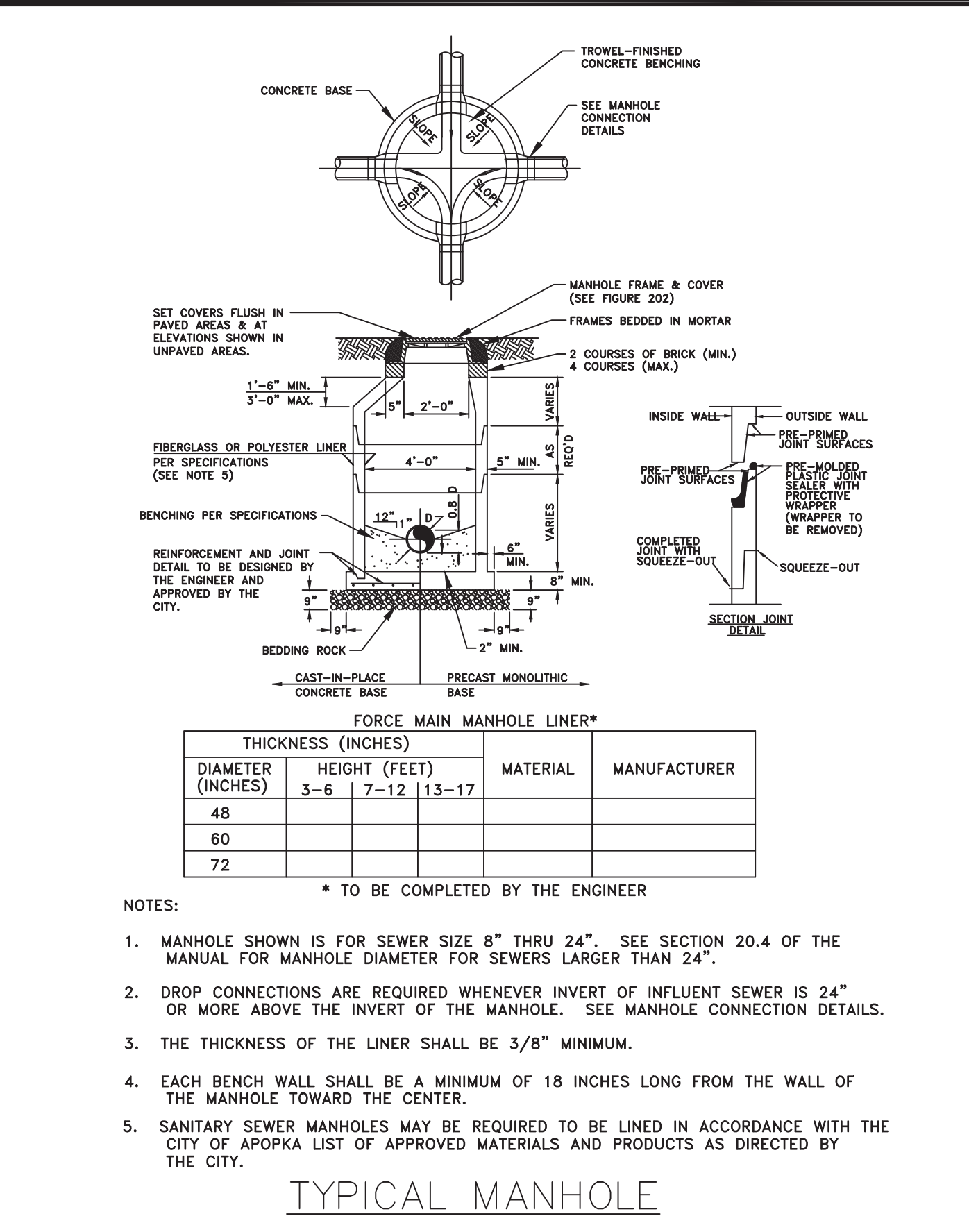
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202
---	--------------	----------



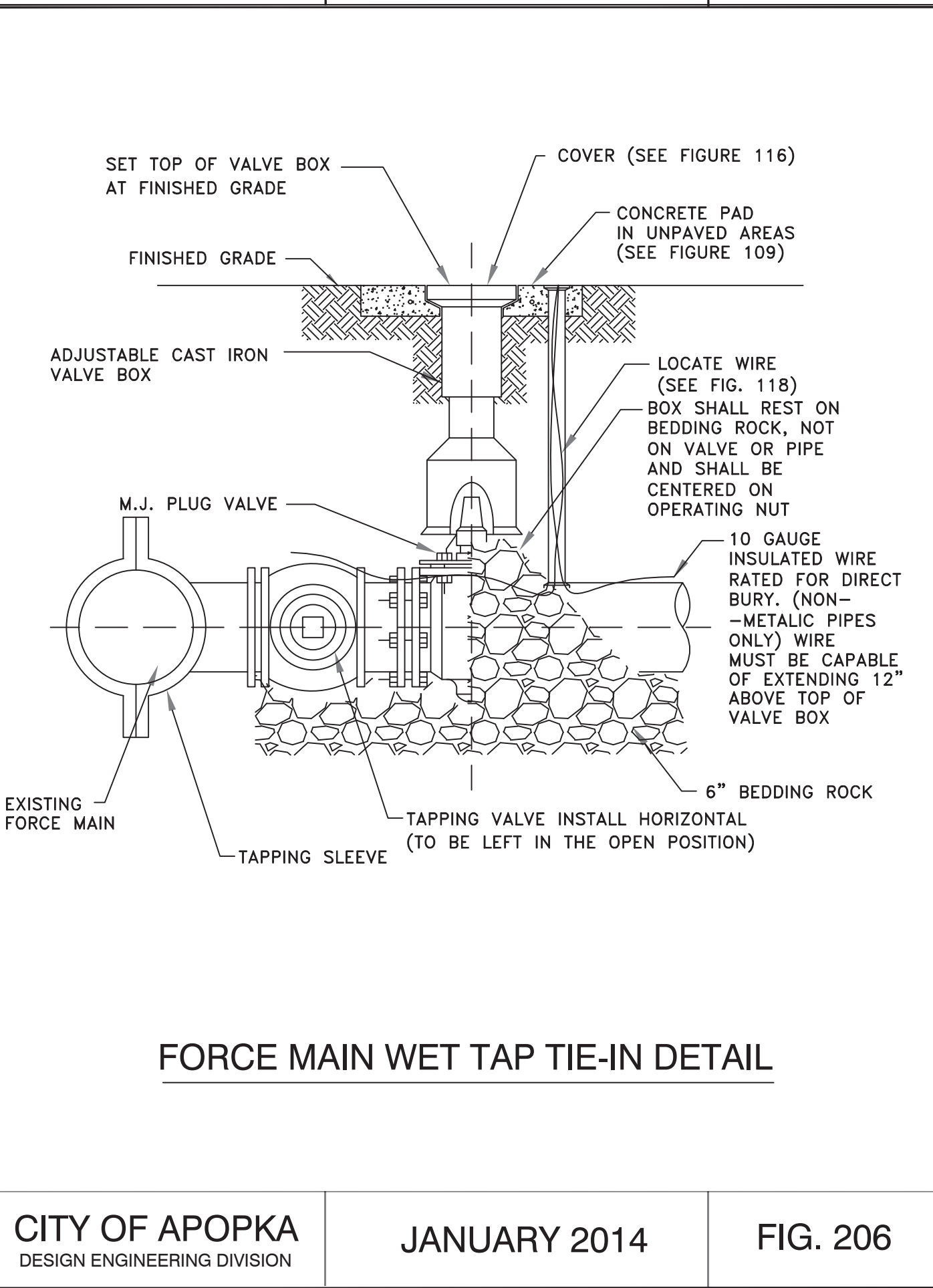
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 120
---	--------------	----------



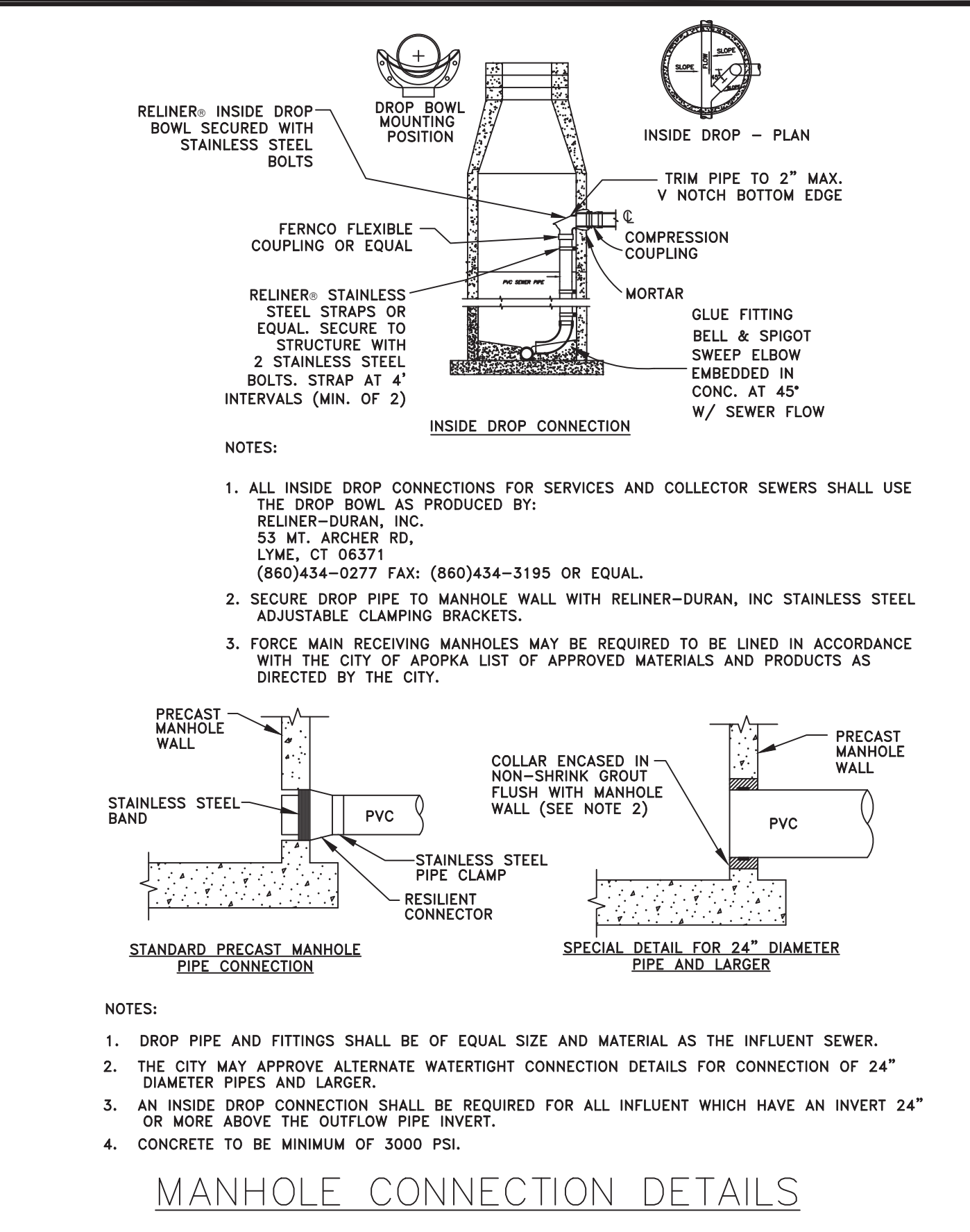
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204
---	--------------	----------



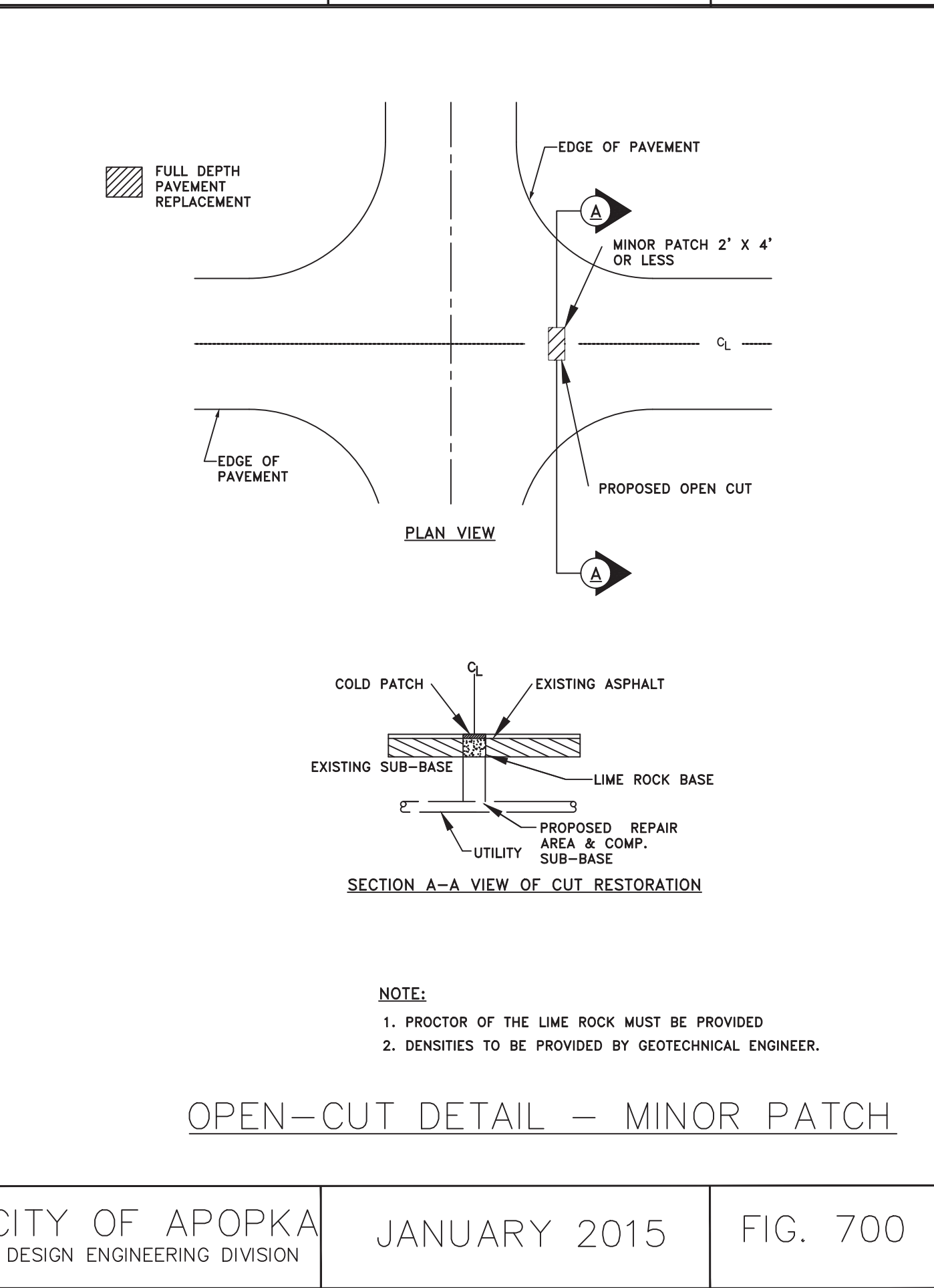
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200
---	--------------	----------



CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206
---	--------------	----------



CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 201
---	--------------	----------



CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 700
---	--------------	----------

CIVIL ENGINEERING I LAND PLANNING

APPIAN ENGINEERING LLC.

2221 Lee Road, Suite 207, Winter Park, Florida 32789

APPIANFL.COM • 407.960.5688

STATE OF FLORIDA CERTIFICATE OF REGISTRATION NO. 12412

UTILITY DETAILS

CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)

CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA

DESIGNED: O. SANCHEZ

CHECKED: O. SANCHEZ

DATE: 2/14/25

SCALE: N.T.S.

PROJECT: DDC-001

SHEET: C10.2

APPIAN ENGINEERING

PROFESSIONAL ENGINEER

STATE OF FLORIDA

21402

No. 86492

1-800-432-4770

Call 48 hours before you dig

It's the Law!

Sunshine State One Call of Florida, Inc.

STATE OF FLORIDA

21402

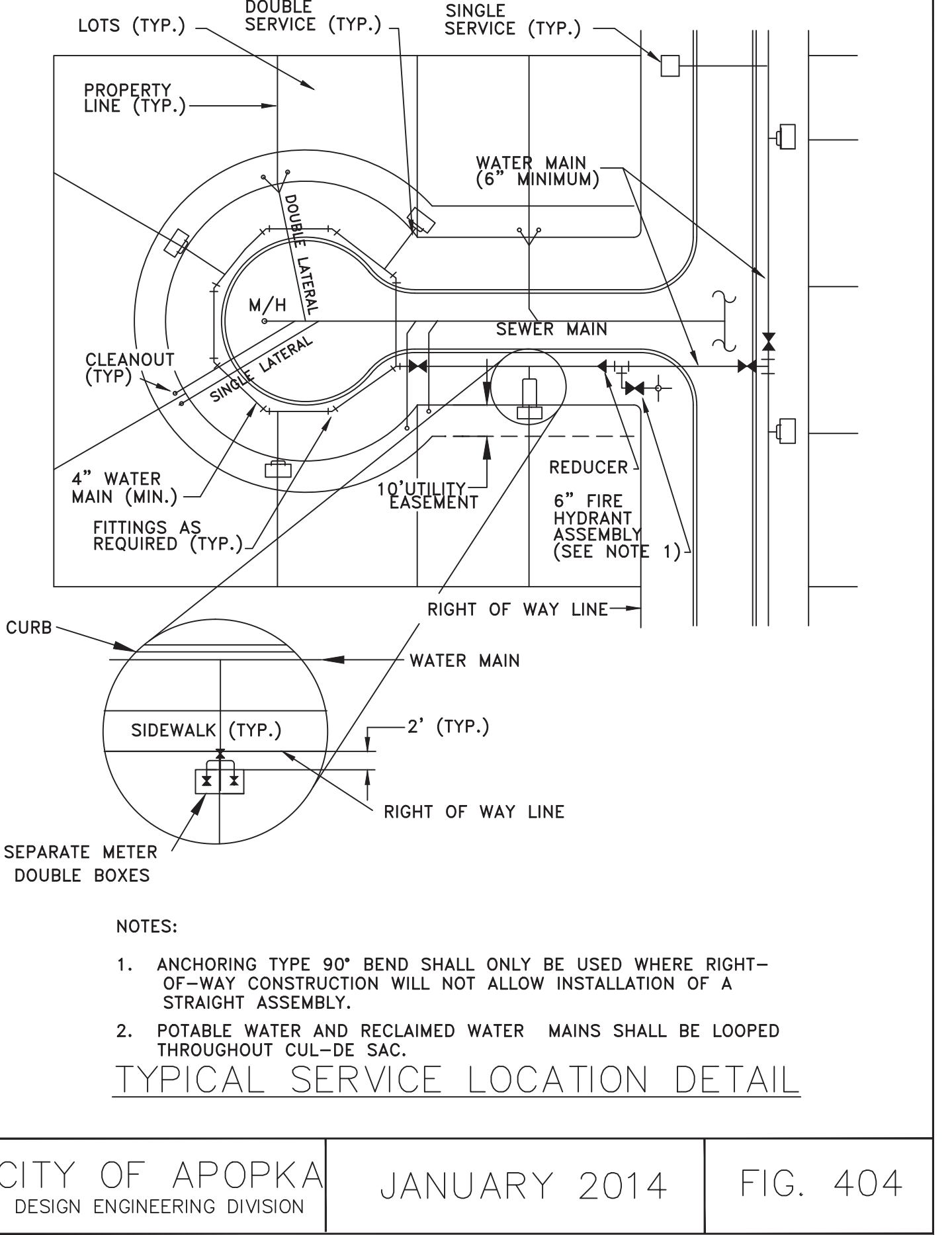
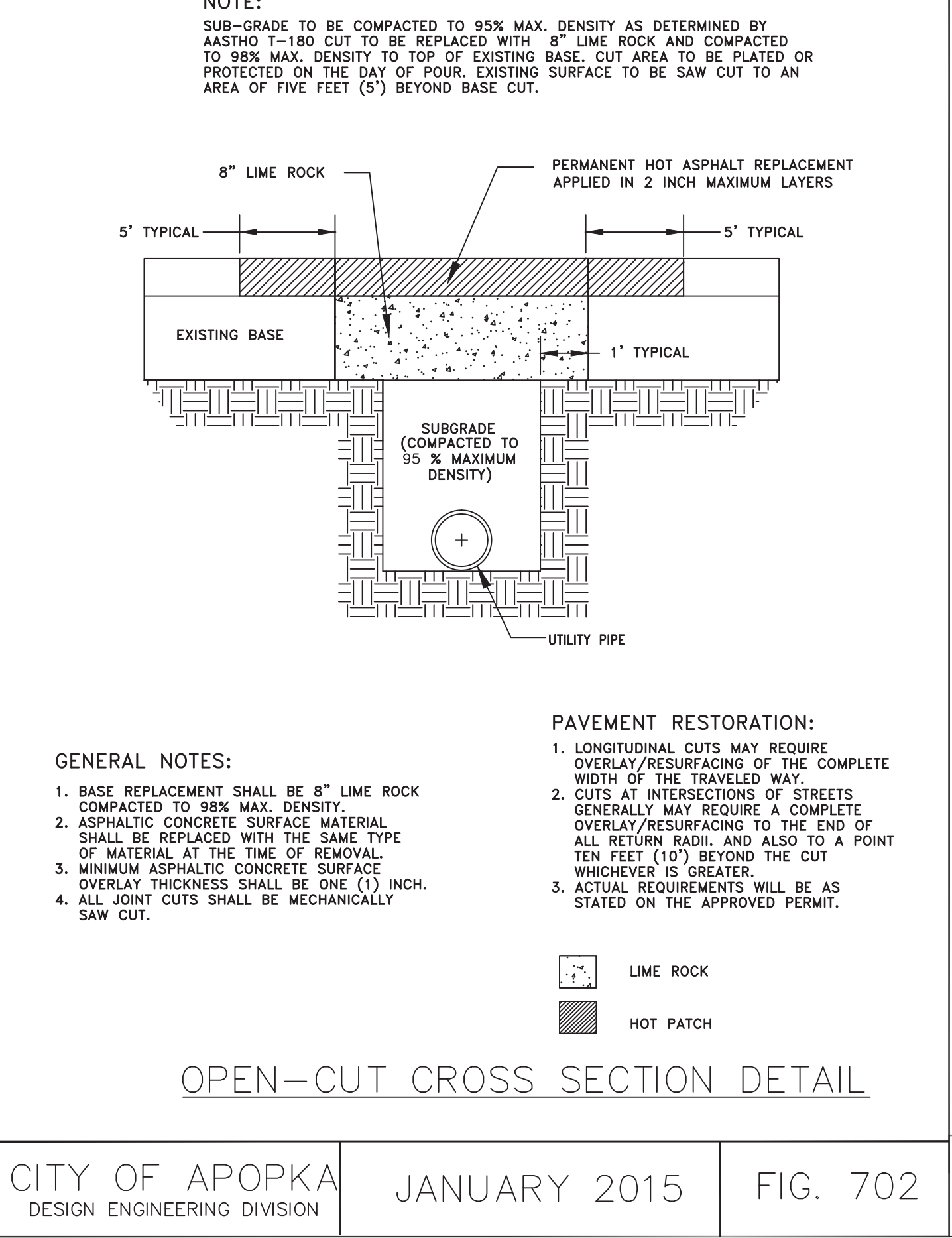
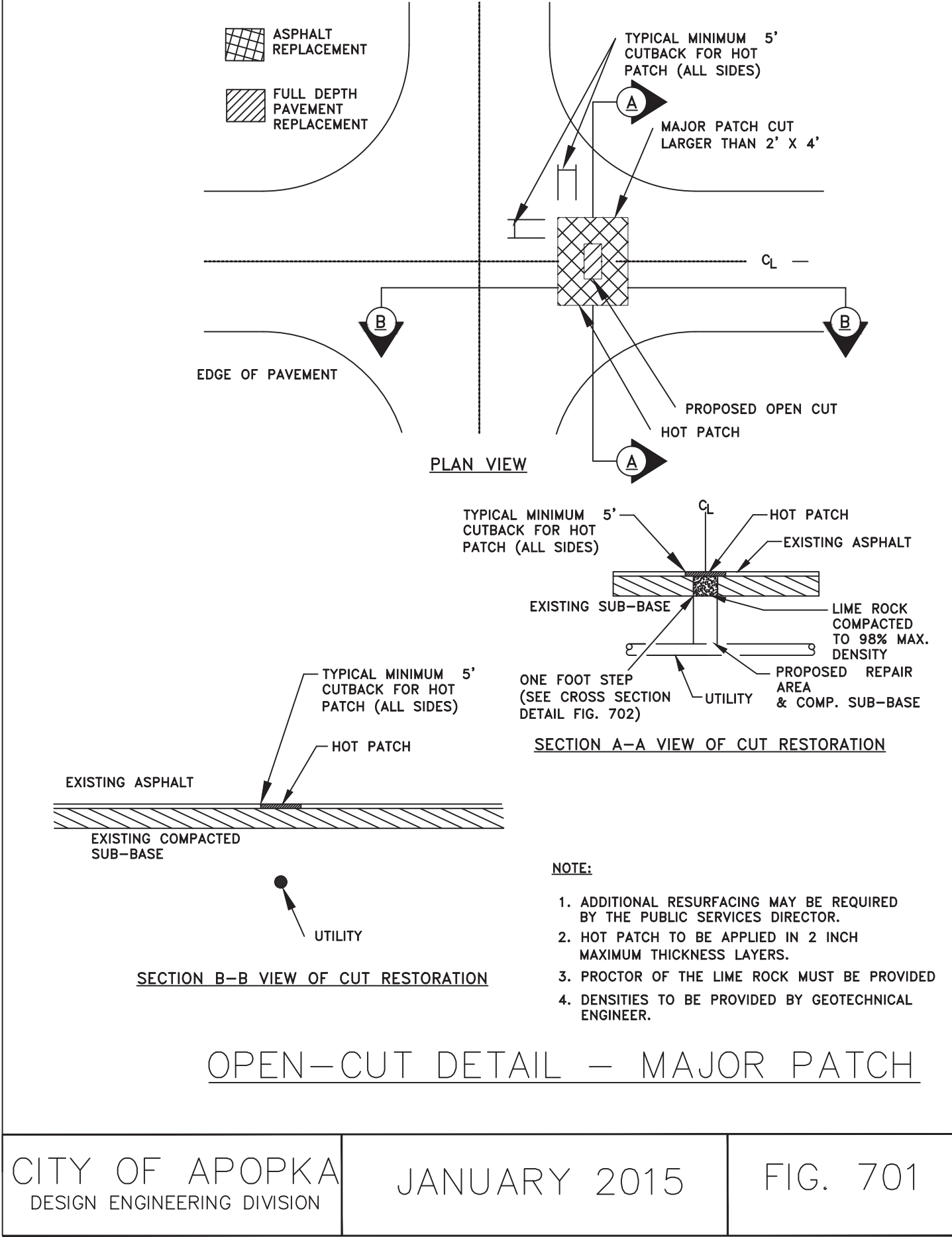
No. 86492

1-800-432-4770

Call 48 hours before you dig

It's the Law!

Sunshine State One Call of Florida, Inc.



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2015

FIG. 701

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2015

FIG. 702

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. GN

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 404

CIVIL ENGINEERING & LAND PLANNING

APPIAN ENGINEERING LLC.

APPIANFL.COM • 407.960.5868

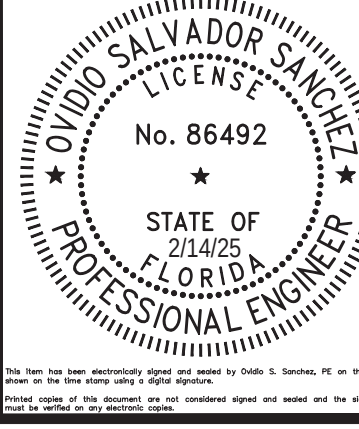
2221 Lee Road, Suite 207, Winter Park, Florida 32789

UTILITY DETAILS

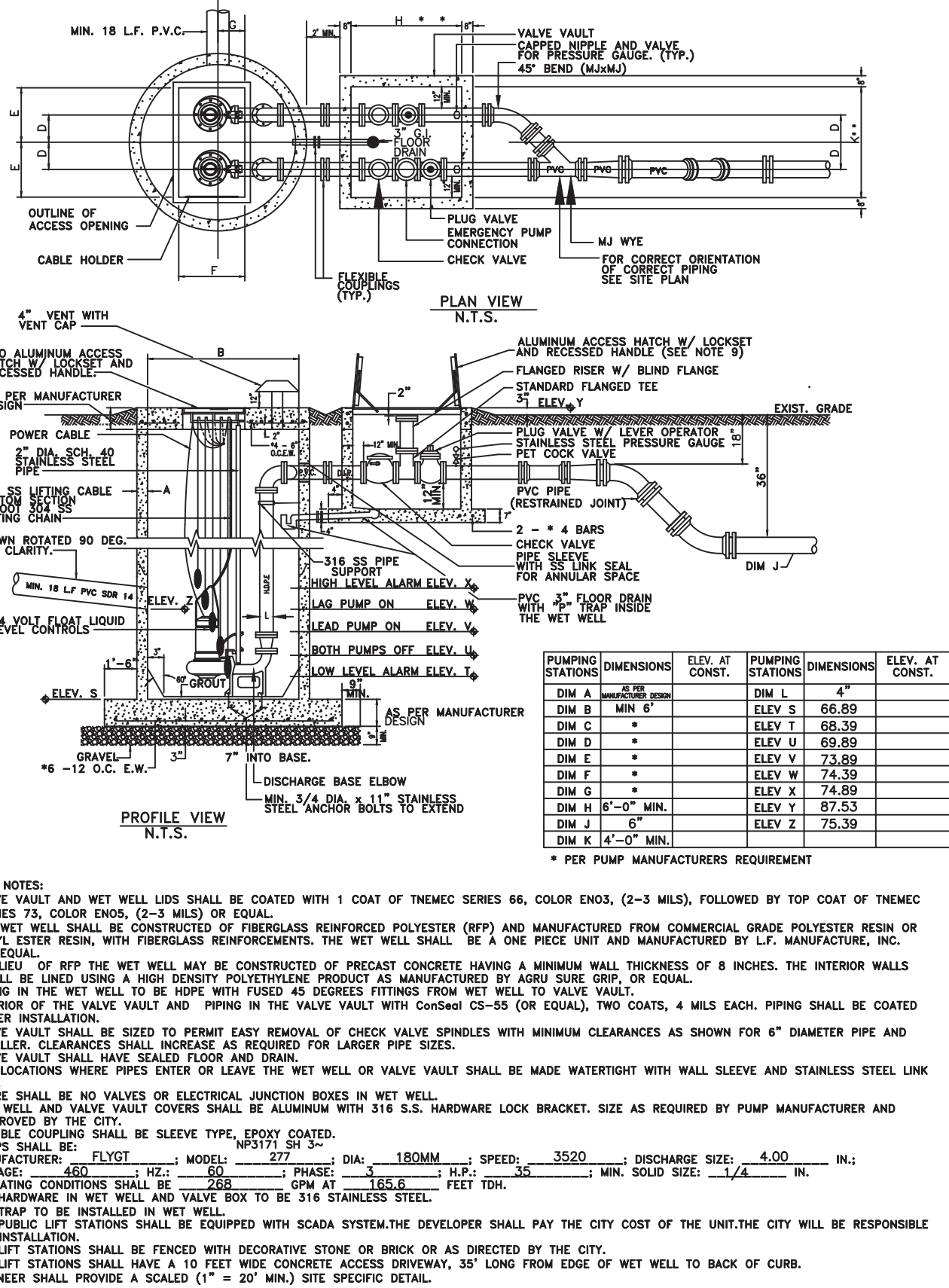
CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

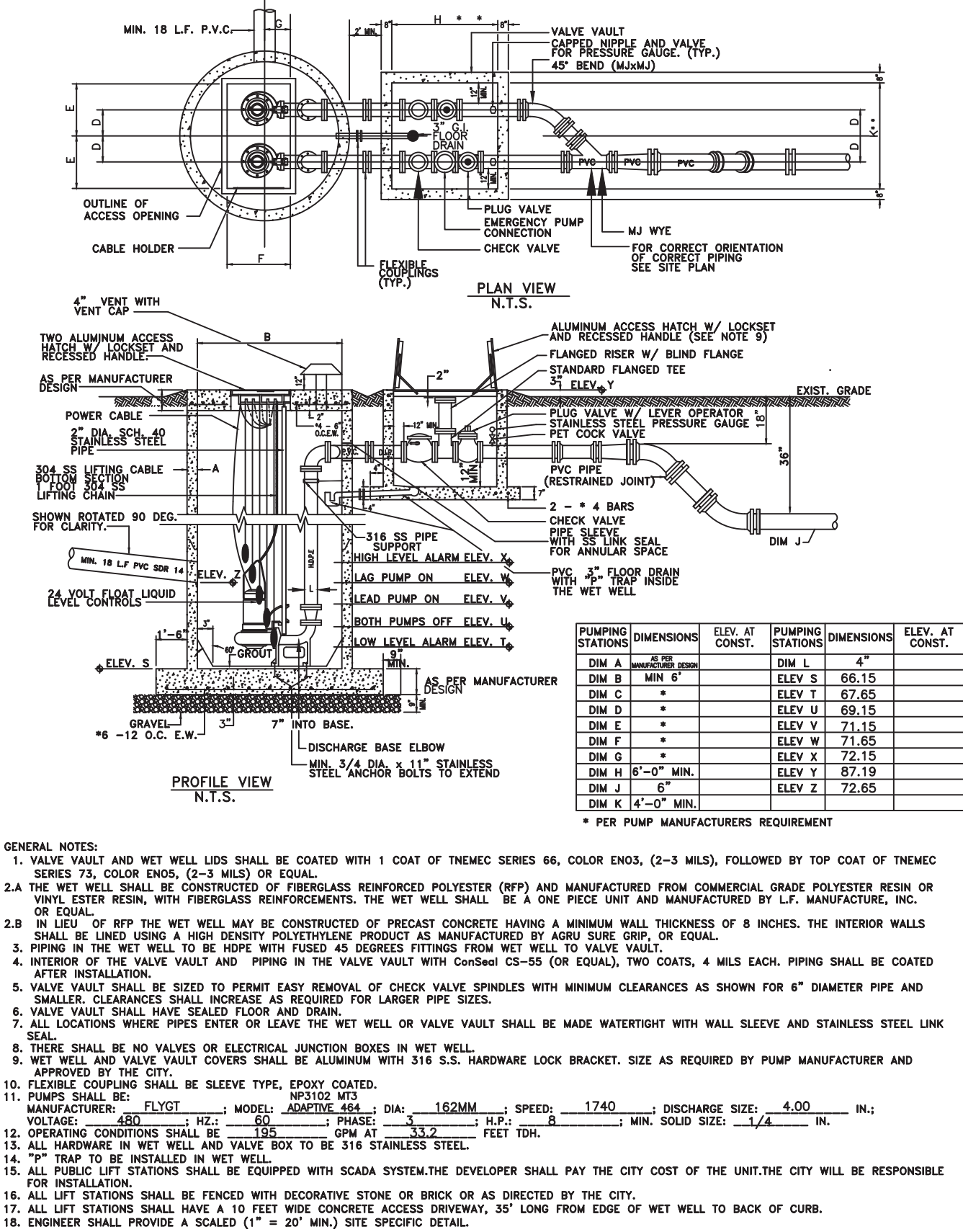
DRAWN: B. KILLELA	SCALE N.T.S.
DESIGNED: O. SANCHEZ	PROJECT DDC-001
CHECKED: O. SANCHEZ	SHEET C10.3
DATE: 2/14/25	



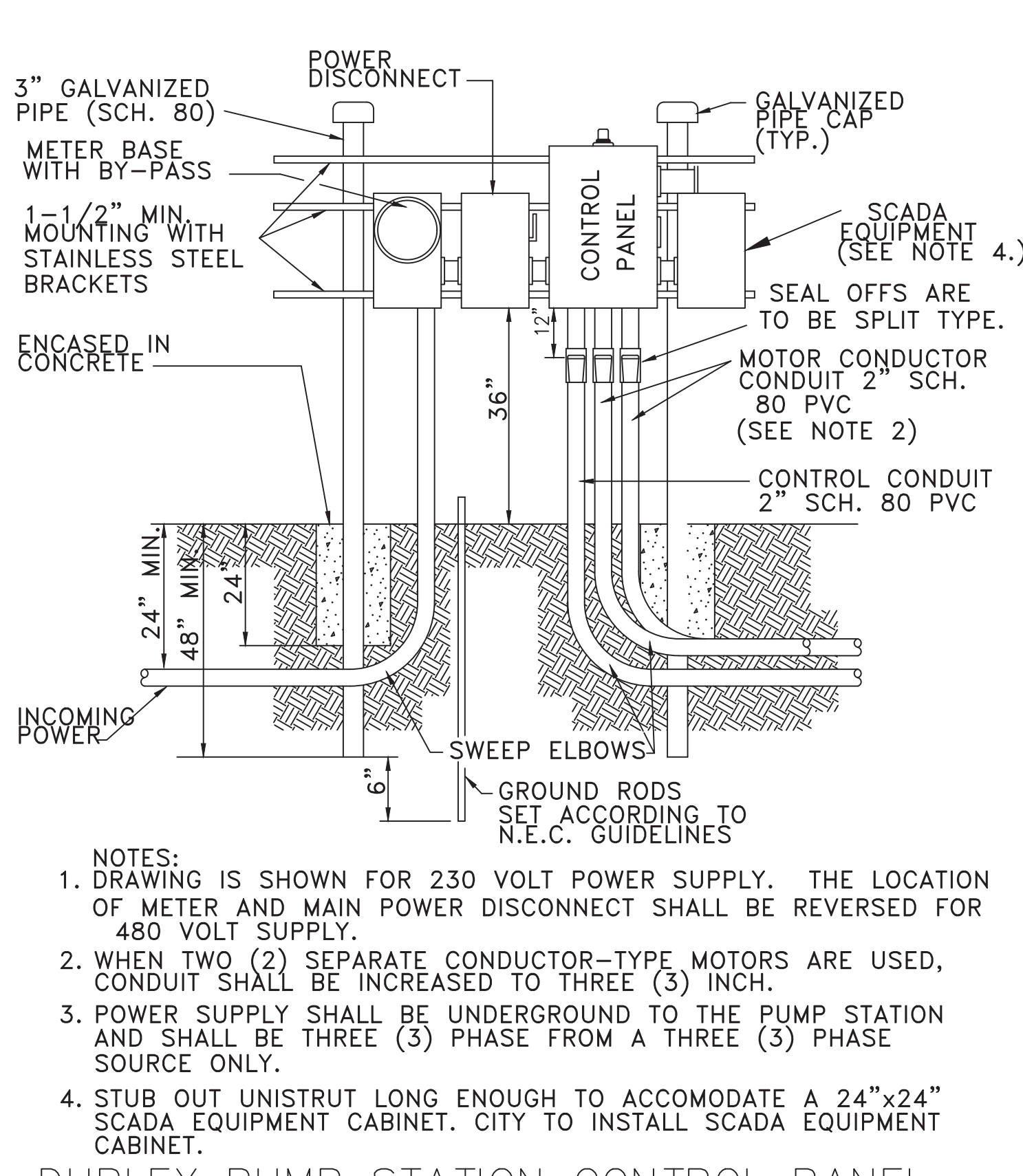
P:_PROJECT DRAWINGS\DDC-001 Lee Terrace Subdivision\Drawings\CAD Civil3D Layouts\04 Final Engineering\CITY OF APOPKA LIFT STATION DETAILS.dwg Modified: 4/16/2024 By: bkllela



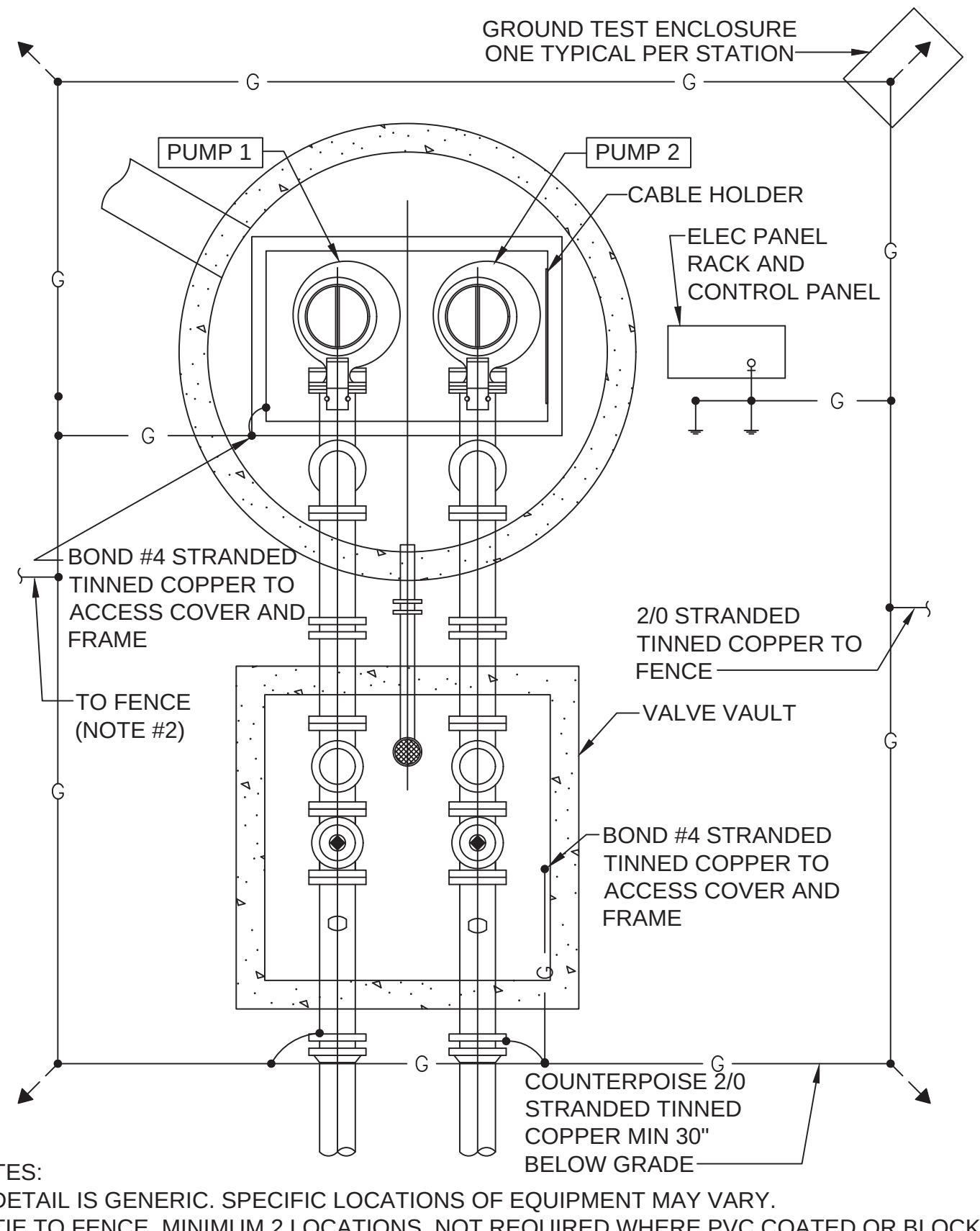
LIFT STATION-1 DETAIL



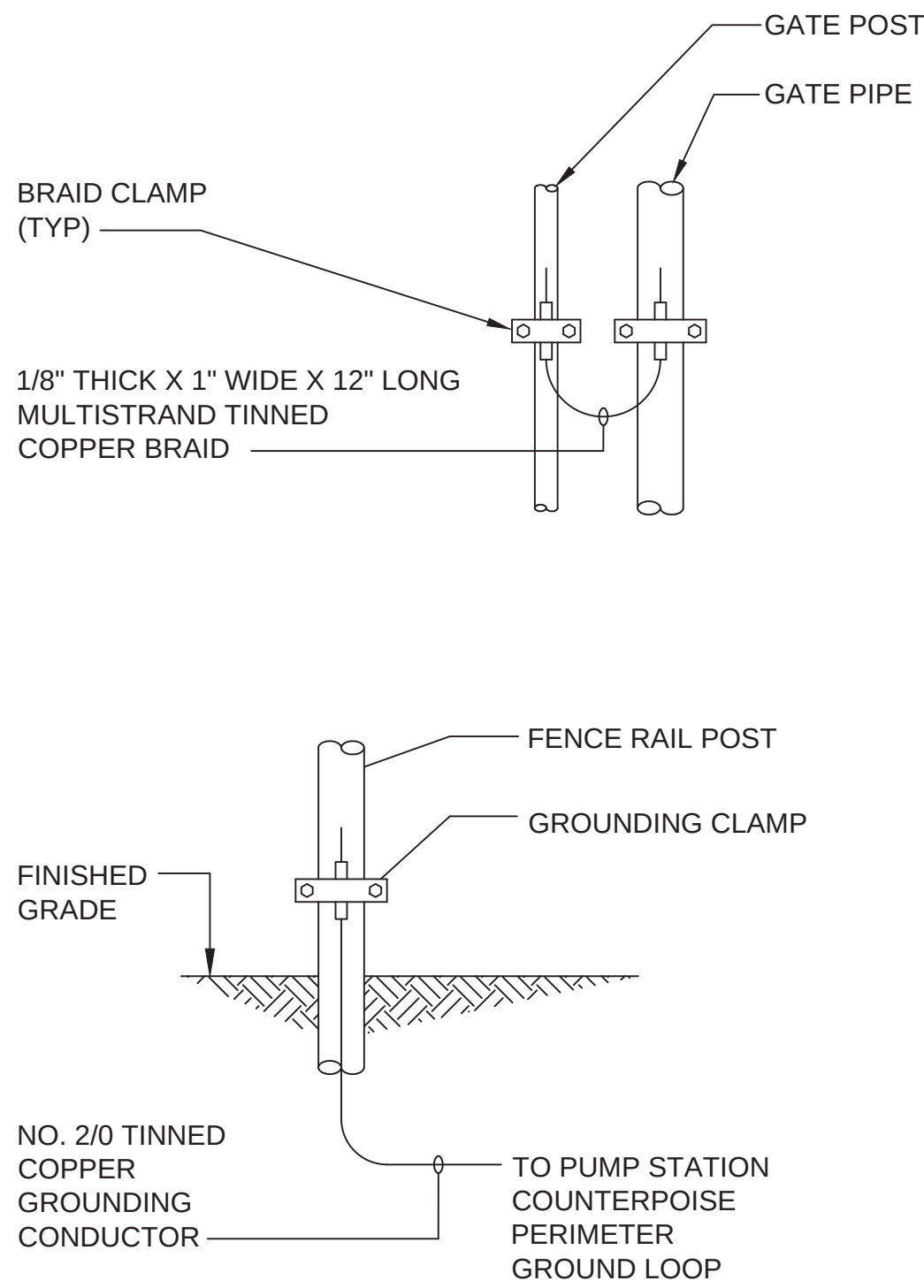
LIFT STATION-2 DETAIL



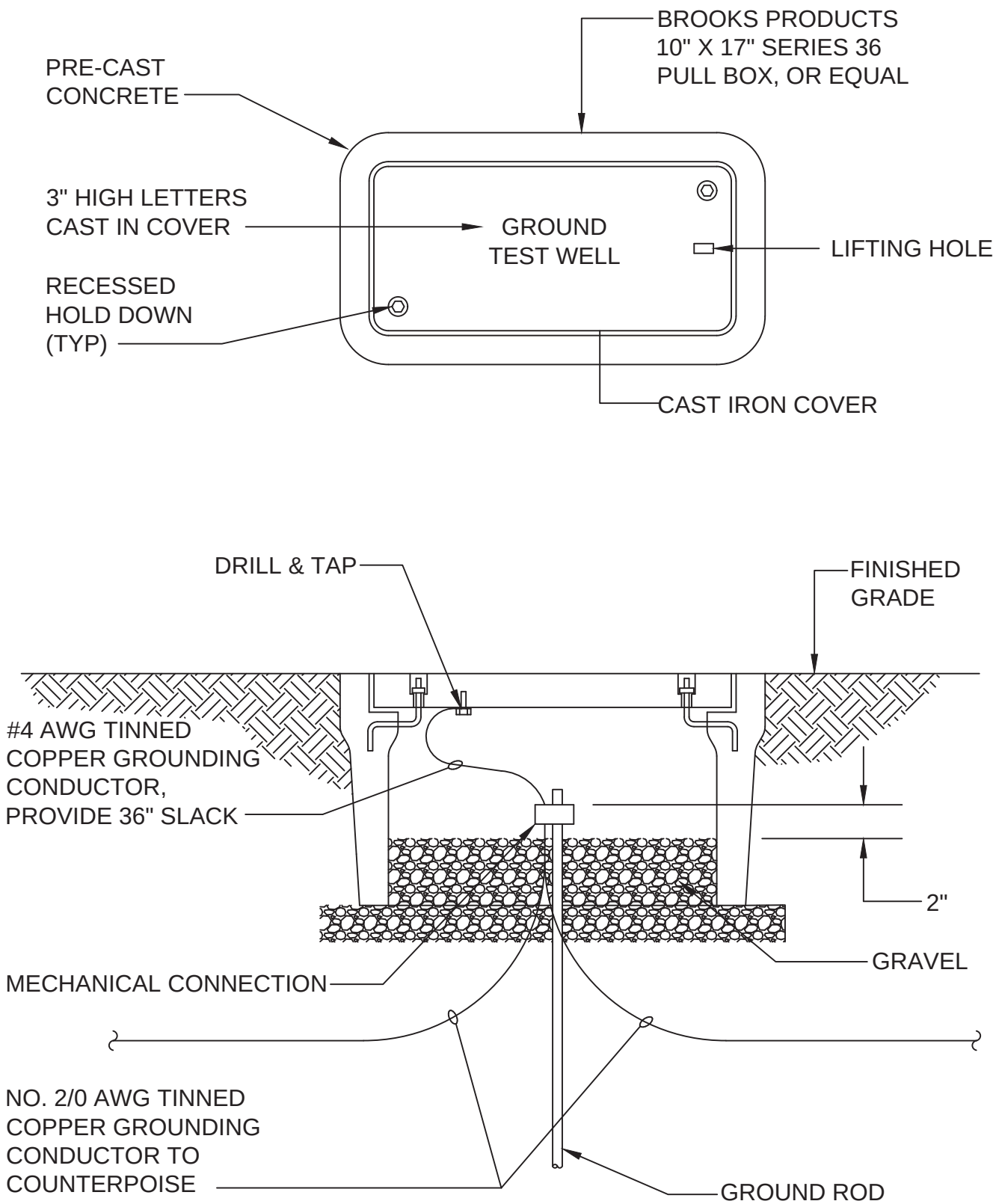
DUPLIX PUMP STATION CONTROL PANEL INSTALLATION DETAIL



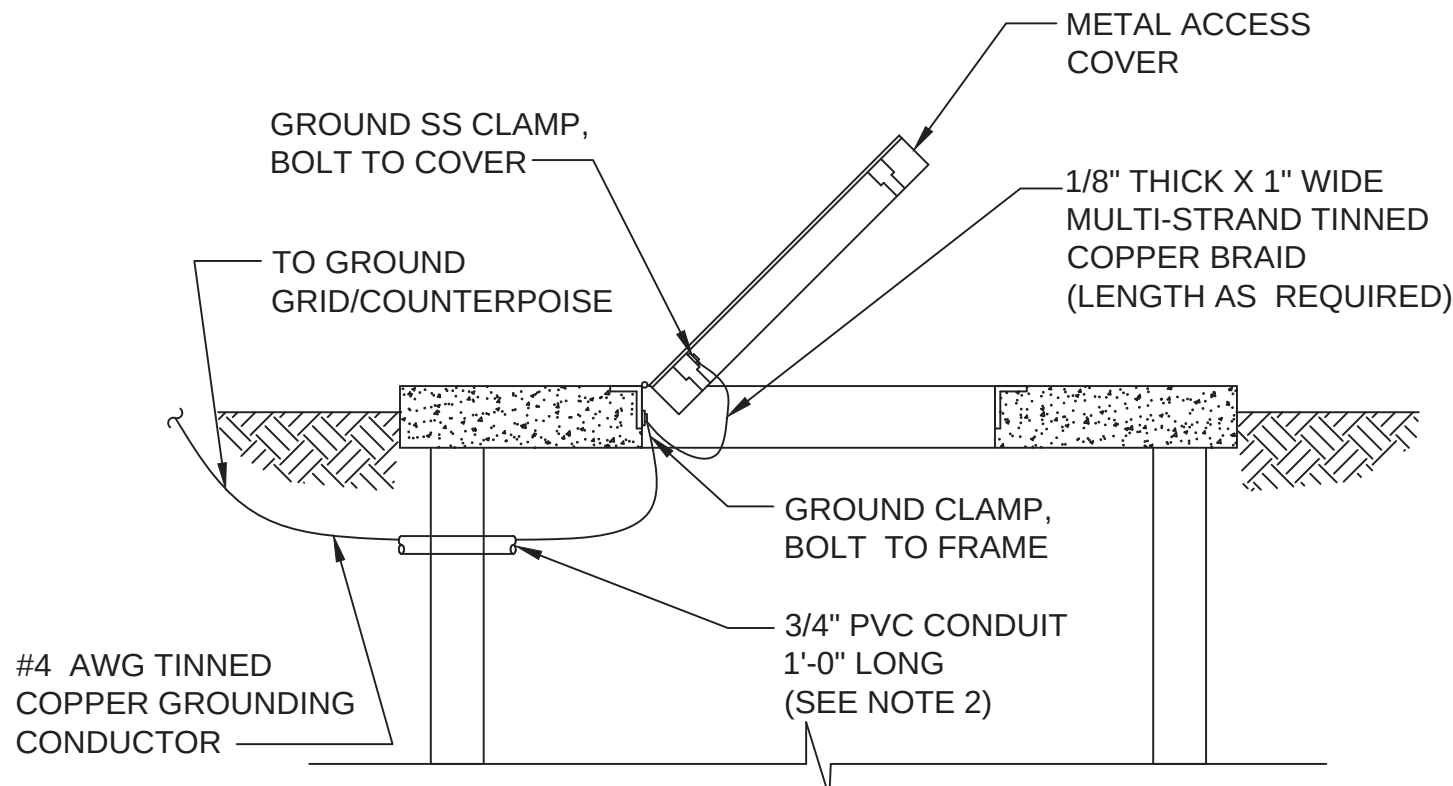
PUMP STATION GROUNDING (TYPICAL)



FENCE POST GROUNDING (TYPICAL)



GROUND TEST WELL



- 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. 301

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 301

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 302

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 A

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 B

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 C

CIVIL ENGINEERING I LAND PLANNING
APIAN ENGINEERING LLC.

APPAWFL.COM • 407.960.5688

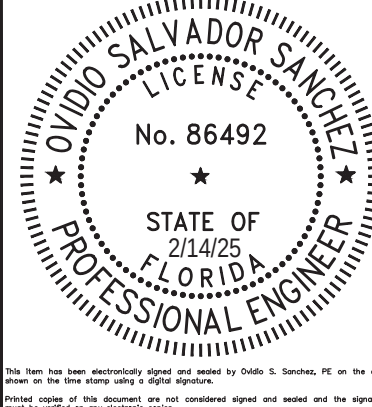
2221 Lee Road, Suite 207, Winter Park, Florida, 32789

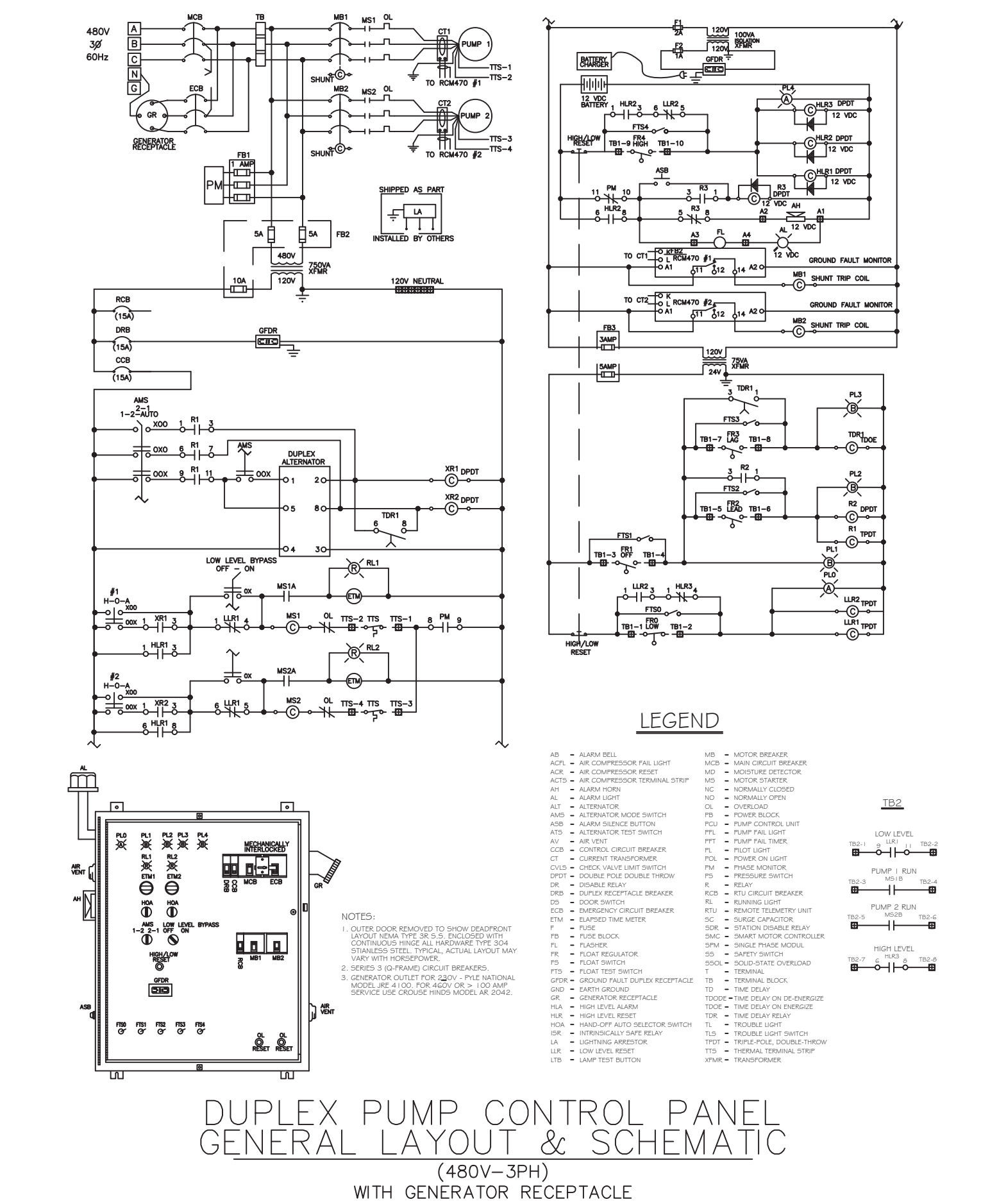
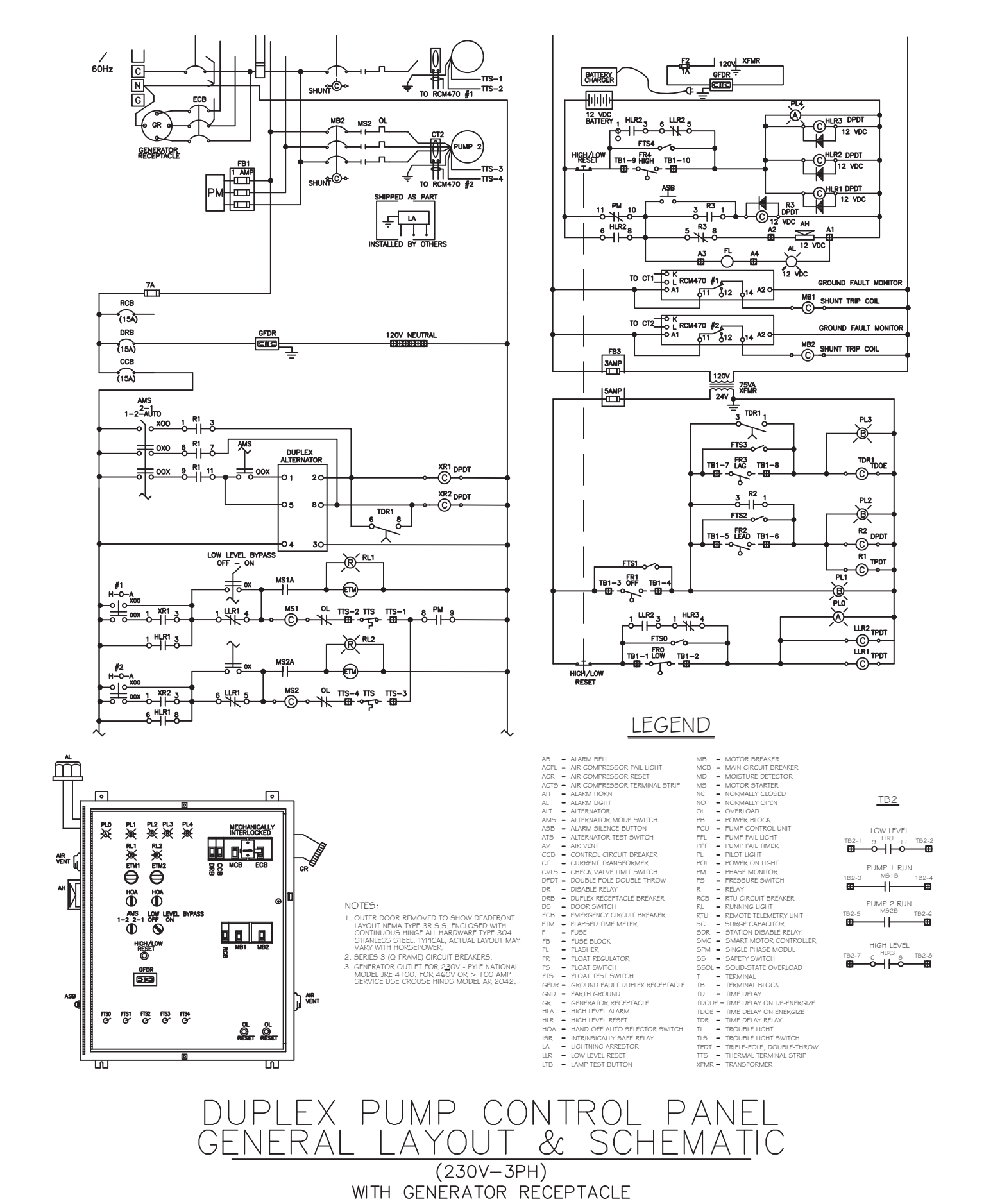
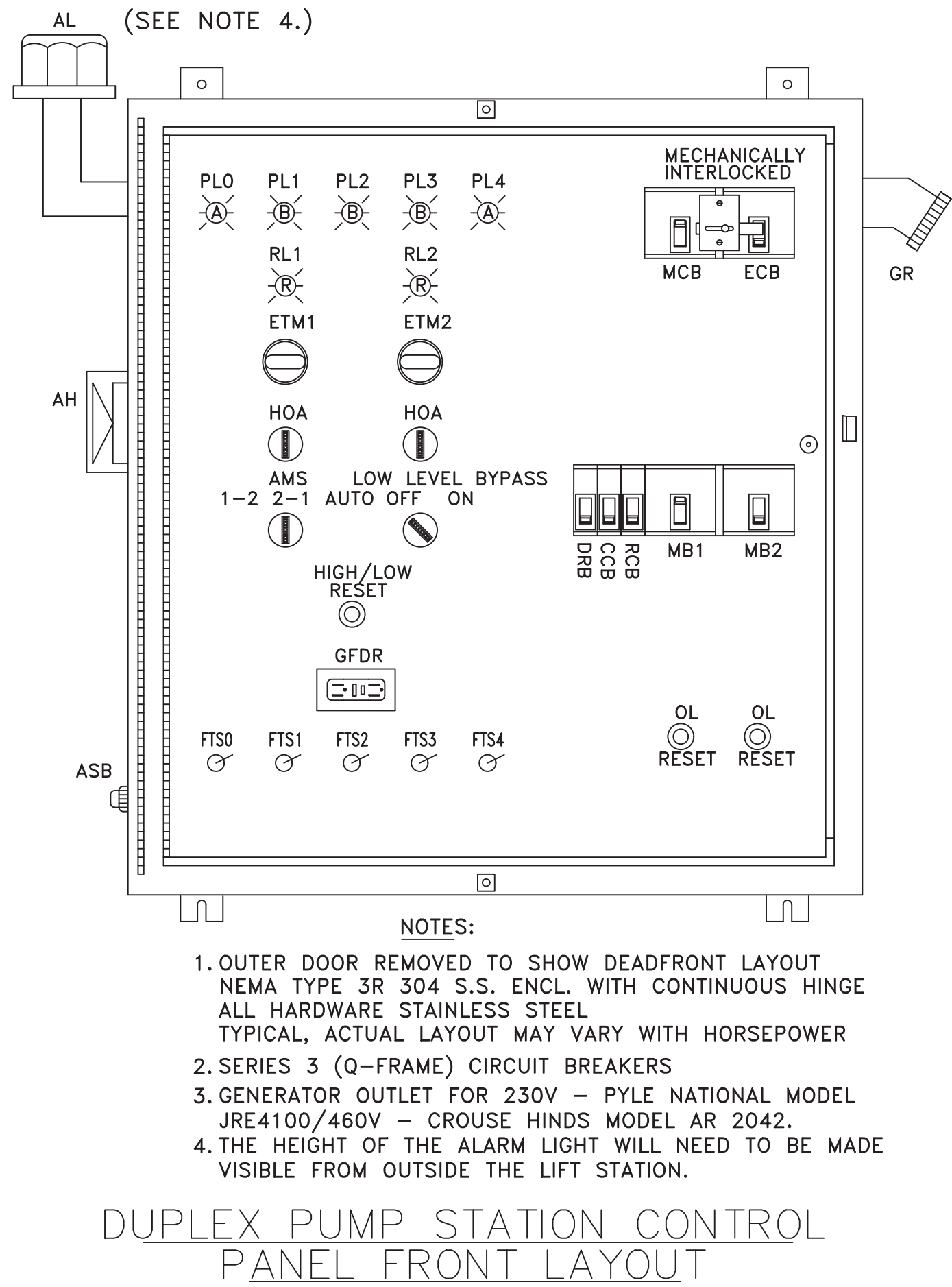
CITY OF APOPKA
LIFT STATION DETAILS
CONSTRUCTION SITE PLAN AMENDMENT

EDEN CREST (FKA LEE TERRACE)
CITY OF APOPKA, FLORIDA

DRAWN: B. KILLELA
DESIGNED: O. SANCHEZ
CHECKED: O. SANCHEZ
DATE: 2/14/25

SCALE: N.T.S.
PROJECT: DDC-001
SHEET: C10.4





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

COMPONENT LEGEND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 303	CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 305 A	CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 305 C	CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 306
---	--------------	----------	---	--------------	------------	---	--------------	------------	---	--------------	----------

CONTROL PANEL AND ELECTRICAL INFORMATION IS FOR CONCEPTUAL PURPOSES. LIFT STATION MANUFACTURER IS REQUIRED TO PROVIDE SIGNED AND SEALED DRAWINGS FROM AND ELECTRICAL ENGINEER FOR CONTROL PANEL AND ELECTRICAL SPECIFICATIONS. THE ENGINEER OF RECORD'S SIGNATURE AND SEAL ON THIS SHEET IS ONLY FOR THE CIVIL ENGINEERING PORTION.

NOTES:

1. CONTRACTOR TO GRADE LIFT STATION SITE SUCH THAT WET WELL AND VALVE VAULT ARE A MIN OF 3" ABOVE SURROUNDING GRADE ELEVATION. ALSO, DRAINAGE IS SLOPED AWAY FROM THESE STRUCTURES.
2. THE ELECTRICAL DETAILS ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY AND THE SUPPLIER SHALL PROVIDE FINAL SIGNED & SEALED DRAWINGS FOR ALL ELECTRICAL WORK.
3. CONTRACTOR TO VERIFY ELECTRICAL SERVICE PHASE, CURRENT AND VOLTAGE AVAILABILITY AND INCLUDE VERIFICATION OF SUCH IN SHOP DRAWING SUBMITTAL PRIOR TO PURCHASE AND/OR INSTALLATION OF PUMP AND CORRELATED ELECTRICAL LIFT STATION COMPONENTS.

