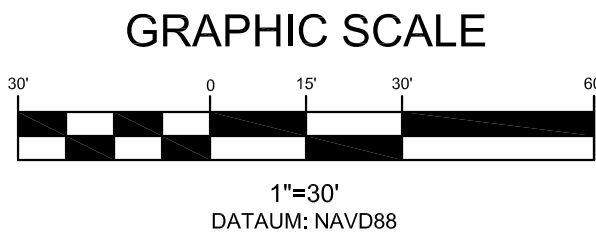


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CHG 100	10/26/22	10/26/22	10/26/22	10/26/22	10/26/22



SITE DATA

PROPERTY LOCATION:	12811 LANE PARK CUTOFF
PARCEL ID:	34-23-27-0000-00-004
LOCAL MUNICIPALITY:	ORANGE COUNTY
FUTURE LAND USE:	PUD
CURRENT ZONING:	NEIGHBORHOOD CENTER DISTRICT
PROPOSED USE:	C-1 USES
TOTAL OVERALL PARCEL AREA:	2.44 AC
IMPERVIOUS SURFACE RATIO:	80.280 / 106.297 = .755
PROPOSED FAR:	.188
MIN. OPEN SPACE:	20%
PROPOSED OPEN SPACE:	24.5%

BUILDING SETBACKS	REQUIRED	PROPOSED
FRONT (EAST)	10'	14.4'
SIDE (SOUTH)	0'	61.4'
SIDE (NORTH)	0'	18.0'
REAR (WEST)	10'	19.2'

LANDSCAPE BUFFERS	REQUIRED	PROPOSED
FRONT (SOUTH)	10'	7'
SIDE (EAST)	0'	5'
SIDE (WEST)	0'	5'
REAR (NORTH)	0'	5'

BUILDING HEIGHT	MAXIMUM	PROPOSED
MAXIMUM	45' (3-STORY)	35' (1-STORY)

SOILS	NAME	USDA TEXTURE	HYDROLOGIC GROUP
SOIL NUMBER	4	CANDLER	FINE SAND
SOILS DATA FROM USDA NRCS ONLINE SOILS SURVEY DATED AUGUST 28, 2023			A

FLOOD ZONE
THE SITE IS LOCATED IN FLOOD ZONE X, NOT A SPECIAL FLOOD AREA, PER FEMA F.I.R.M. PLAN 12095C0390.E DATED SEPTEMBER 25, 2009, ORANGE COUNTY, FLORIDA.

WETLANDS
THERE ARE NO WETLANDS LOCATED ON THE PROJECT SITE.

VEGETATION
THE SITE IS CURRENTLY A MASS GRADED LOT.

PARKING REQUIRED	NEIGHBORHOOD CENTER	19,988 SQ. FT. X (1 SPACE PER 300 SQ. FT.)	67 SPACES
TOTAL PARKING REQUIRED			67 SPACES

PARKING PROVIDED	
STANDARD PARKING SPACES	84 SPACES
HANDICAPPED PARKING SPACES	4 SPACES
TOTAL PARKING PROVIDED	8 SPACES

BICYCLE PARKING REQUIRED	BICYCLE PARKING SPACES	2 SPACES (1st 10 AUTO SPACES) + 1 SPACE(10 ADDITIONAL AUTO SPACES)	8 SPACES
TOTAL PARKING REQUIRED			8 SPACES

PARKING PROVIDED	BICYCLE PARKING SPACES	8 SPACES
TOTAL PARKING PROVIDED		8 SPACES

STORMWATER MANAGEMENT:

STORMWATER FACILITIES SHALL BE DESIGNED AND PERMITTED IN ACCORDANCE WITH ORANGE COUNTY AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.

GENERAL SITE NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSION ARE FROM THE FACE OF CURB.
3. ALL RADII ARE 3' UNLESS OTHERWISE NOTED.
4. ALL EXISTING UTILITIES SHALL BE FIELD VERIFIED AT ALL POINTS OF CONNECTION AND AREAS OF CONFLICT.
5. ALL PUBLIC IMPROVEMENTS, INCLUDING ADJACENT SIDEWALKS, WILL BE CHECKED AT FINAL INSPECTION. ANY DAMAGED, BROKEN, OR CRACKED SECTIONS SHALL BE REPLACED PRIOR TO ISSUANCE OF CERTIFICATIONS OF OCCUPANCY.
6. ALL CONSTRUCTION SHALL MEET COUNTY REQUIREMENTS.
7. ALL SITE IMPROVEMENTS SHALL CONFORM TO A.D.A AND FLORIDA ACCESSIBILITY CODE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION, LOCATION AND PROTECTION OF ALL UTILITIES THAT MAY EXIST WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOTIFY SUNSHINE LOCATORS FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION AT 1-800-432-4770, MONDAY THROUGH FRIDAY 7:00 AM TO 4:30 PM.
9. ALL CONSTRUCTION MATERIAL AND METHODS, SHALL MEET THE CURRENT EDITIONS OF THE DESIGN STANDARDS, THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE UTILITY ACCOMMODATION MANUAL.
10. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED, OR RELOCATED PER PLANS. ALL COST SHALL BE INCLUDED IN BASE BID.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED PER PLANS.
12. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
13. ALL DISTURBED AREAS WITHIN THE FDOT RIGHT OF WAY SHALL BE GRADED AND SODDED WITH ARGENTINE BAHIA SOD.
14. ALL STRIPING WITHIN THE FDOT RIGHT OF WAY SHALL BE LEAD-FREE THERMOPLASTIC.
15. ALL MAINTENANCE OF TRAFFIC SHALL ADHERE TO THE REQUIREMENTS OF THE DESIGN STANDARDS 102-600 INDEXES.

TRIP GENERATION:

(PER ITE MANUAL, 11TH EDITION)
20,000 SF OF STRIP RETAIL PLAZA (822) DAILY - 1,089 TRIPS
AM PEAK - 47.2 TRIPS
PM PEAK - 131.8 TRIPS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
BRYAN POTTS ON THE DATE AND TIME SHOWN USING A
DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PERMITTED USES:

ALL C-1 USES IDENTIFIED BY THE LETTER "P" IN THE USE TABLE SET FORTH IN SECTION 38-77, EXCLUDING ALL PROHIBITED USES FOUND BELOW. RESIDENTIAL USES ARE ALSO PERMITTED VERTICALLY ABOVE NONRESIDENTIAL USES. RESIDENTIAL USES, EXCEPT TO ENTRANCES, SHALL NOT BE PERMITTED ON THE GROUND FLOOR OF BUILDINGS USED FOR COMMERCIAL OR OFFICE USE.

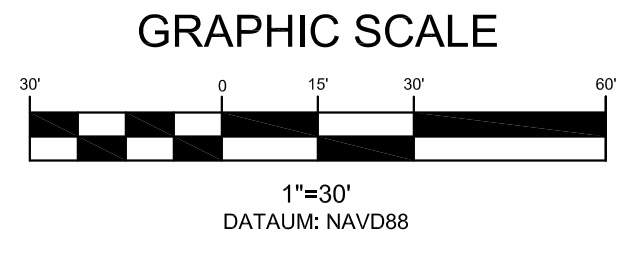
1. CONVENIENCE STORES. THE LAND USE PLAN MAY ALLOW A MAXIMUM OF FOUR (4) GAS PUMP STATIONS TO SERVE A MAXIMUM OF EIGHT (8) VEHICLES AT ANY ONE (1) TIME. GAS PUMPS SHALL REQUIRE SUBSTANTIAL CHANGE APPROVAL TO THE LAND USE PLAN (LUP) BY THE BOARD OF COUNTY COMMISSIONERS. THE DEVELOPMENT SHALL COMPLY WITH THE FOLLOWING STANDARDS:
 - 1.A. ALL GAS PUMPS SHALL BE LOCATED BEHIND OR TO THE SIDE OF THE PRINCIPAL STRUCTURE AND NOT CLOSER TO THE RIGHT-OF-WAY THAN THE PRINCIPAL STRUCTURE ITSELF.
 - 1.B. IF THE GAS PUMPS ARE LOCATED WITHIN DIRECT VIEW FROM THE ROADWAY, A DECORATIVE FORTY-TWO (42) INCH HIGH KNEE WALL SHALL BE INSTALLED ALONG THE FULL LENGTH OF THE STREET SIDEWALK EDGE EXCLUSIVE OF VERTICAL AND/OR HORIZONTAL SIGHT DISTANCES FROM ANY INTERSECTIONS OR DRIVEWAYS AND PEDESTRIAN ACCESS WHICH IS VISUALLY EXPOSED TO GAS PUMPS. SAID DECORATIVE KNEE WALL SHALL INCORPORATE A SPACE BETWEEN THE WALL AND THE BACK EDGE OF THE STREET SIDEWALK. THE GAP SHALL SERVE AS AN IRRIGATED SHRUB OR VINE PLANTER STRIP ALONG THE BACK EDGE OF THE STREET SIDEWALK. THE PLANTER STRIP SHALL BE NO LESS THAN THIRTY (30) INCHES WIDE AND APPROXIMATELY SIXTY (60) INCHES WIDE AT INWARD-JOGGED SECTIONS OF THE KNEE WALL. THE KNEE WALL SHALL INCORPORATE A CONTINUOUS, CANTILEVERED CAP BLOCK, AND SHALL NOT EXTEND MORE THAN TWENTY-FIVE (25) FEET IN A SINGLE UNINTERRUPTED SPAN WITHOUT INCORPORATING THE MINIMUM THIRTY (30) INCH OFFSET OR "JOG" INWARD, TOWARD THE PROPERTY INTERIOR AS MENTIONED ABOVE. SUCH INTERIOR JOGS SHALL INCORPORATE SHRUB MASSING, VINES, AND UNDERSTORY TREES. GAS STATION KNEE WALLS CONSTRUCTED SOLELY OF SMOOTH FACE CMU AND STUCCO ARE PROHIBITED. NOTWITHSTANDING THE FINISH MATERIALS UTILIZED ON THE ADJACENT PRINCIPAL STRUCTURE, THE SUBJECT KNEE WALL SHALL NOT PRESENT A BLANK STUCCO SURFACE TO THE ADJACENT SIDEWALK AND STREET RIGHTS-OF-WAY. INSTEAD, GAS STATION KNEE WALL SURFACES SHALL FEATURE A BRICK OR STONE VENEER OR SPLIT FACE, SCORED, RIBBED, OR OTHER ORNAMENTAL BLOCK SURFACE. PAINTED STUCCO WALLS ARE ACCEPTABLE, SO LONG AS A DISTINCT CAP IS USED.
2. NEIGHBORHOOD CENTER CORNER GENERAL STORE. A NEIGHBORHOOD CENTER GENERAL STORE, UP TO TWO THOUSAND (2,000) SQUARE FEET UNDER AIR, MAY BE BUILT AS AN AMENITY. THE GENERAL STORE SHALL CARRY IN ITS INVENTORY BASIC GROCERIES, PERSONAL HYGIENE PRODUCTS, OVER THE COUNTER PHARMACEUTICAL, AND OTHER CONVENIENCE ITEMS.
 - 2.A. ONE (1) OR MORE APARTMENTS, OTHER DWELLINGS, OR OFFICE SPACES MAY BE CONSTRUCTED VERTICALLY OVER THE GENERAL STORE AND RENTED AT NORMAL MARKET RATES WITHOUT DELAY. SUCH MIXED USES ARE ENCOURAGED.
 - 2.B. THE GENERAL STORE SHOULD NORMALLY BE BUILT AT A CORNER OF TWO (2) STREETS TO ANCHOR THE NEIGHBORHOOD CENTER. A BICYCLE RACK SHALL BE PROVIDED WITH SPACES FOR NO FEWER THAN FOUR (4) BICYCLES THAT MEETS ALL REQUIREMENTS OF SECTION 38-1388(E)(11).
- 2.C. THE FOLLOWING TRANSFERABLE INCENTIVES SHALL APPLY:
 1. THE OPEN SPACE REQUIREMENT SHALL BE REDUCED BY TWO (2) TIMES THE SQUARE FOOTAGE OF SPACE ALLOTTED TO THE GENERAL STORE IF A FRONT PORCH OR PATIO IS CONSTRUCTED AND FURNISHED AS A NEIGHBORHOOD GATHERING PLACE. ALTERNATIVELY, ADDITIONAL RESIDENTIAL DENSITY OR ADDITIONAL SQUARE FOOTAGE FOR OFFICE OR COMMERCIAL USES SHALL BE AWARDED.
 2. THERE SHALL BE NO PARKING REQUIREMENT ASSOCIATED WITH THE GENERAL STORE BEYOND ON-STREET PARKING CONSISTENT WITH ALL APPLICABLE STANDARDS OF SECTION 34-171. IF THE GENERAL STORE IS LOCATED IN A MULTI-USE BUILDING, PARKING REQUIREMENTS SHALL APPLY FOR THE OTHER USES.
 3. THESE INCENTIVES SHALL APPLY ONLY TO A GENERAL STORE LOCATED NEAR THE GEOGRAPHIC CENTER OF THE NEIGHBORHOOD, NOT ADJACENT TO AN ARTERIAL ROAD.

THE FOLLOWING USES ARE PROHIBITED:

- (1) DRIVE-THROUGHS
- (2) LOUNGES
- (3) BARS
- (4) VIDEO ARCADES
- (5) PAWN SHOPS
- (6) ESCORT SERVICES AND TATTOO PARLORS
- (7) FORTUNE TELLERS, TAROT CARD READERS, PALM READERS, PSYCHICS AND SIMILAR USES
- (8) "CHECK CASHING" OR "PAY DAY LOAN" BUSINESSES
- (9) BODY ART OR BODY PIERCING BUSINESSES
- (10) LABOR POOLS AND LABOR HALLS; AND
- (11) HOTELS/MOTELS/AND TIMESHARES.

DATE	BY	REVISIONS
07/22/24	BRP	ISSUED FOR PERMITTING
		NO



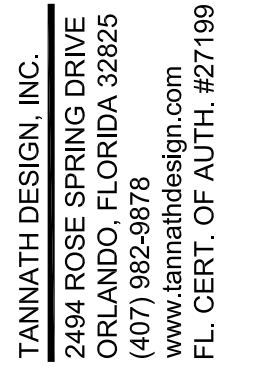


1. THE ENTITY THAT WILL OWN, OPERATE, AND MAINTAIN THE STORM SEWER SHOWN ON THESE PLANS IS MONISTERS OR MONISTERS PARTNERS, LLC. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THE PERMITS OBTAINED.
2. THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED ON THE SUBGRADE, BASE, AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND SHALL PROVIDE THE OWNER AND THE ENGINEER WITH COPIES OF THE CERTIFICATION OF COMPACTION FROM THE TESTING COMPANY.
4. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT PLEAT AREAS; ADEQUACY OF EXISTING MATERIALS AS FILL, Dewatering REQUIREMENTS, CLEAN FILL REQUIRED FROM OFF-SITE AND MATERIALS TO BE DISPOSED OF OFF-SITE, ALL OF WHICH WILL AFFECT THE PRICING AND THE SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING OR TREATMENT. THE CONTRACTOR SHALL HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFF-SITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL, PRIOR TO N.T.P. TO DETERMINE IF ANY OFF-SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. A TREE REMOVAL PERMIT IS REQUIRED TO BE OBTAINED BY THE CONTRACTOR.
7. ALL FILL MATERIALS SHALL BE FREE OF MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH, OR OTHER UNSUITABLE MATTER.
8. ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USEABLE (NONORGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOUNTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE.
9. FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-98. ALL OTHER AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-98. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. REFER TO SOILS REPORT FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.
10. GRADING SHOWN ON THESE PLANS IS PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER A MINIMUM OF FORTY EIGHT(48) HOURS PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.
11. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS II WITH RUBBER GASKET JOINTS. RCP SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 941. RUBBER GASKETS SHALL CONFORM TO SECTION 942.
12. ALL OTHER RELATED ITEMS REQUIRED FOR THE CONSTRUCTION OF THE STORM SEWER (OUTFALL PROTECTION, POLLUTION CONTROL, ETC.) ARE TO BE IN ACCORDANCE WITH DETAILS SHOWN ON THE CONSTRUCTION PLANS, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION).
13. ALL PIPE CALL OUTS ARE MEASURED CENTERLINE TO CENTERLINE FOR MANHOLES AND INLETS.
14. ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED WITH A SEED AND MULCH MIXTURE UNLESS OTHERWISE NOTED.
15. ALL OFF-SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE SODED WITH BAHIA.
16. NO HARD WOOD TREES MAY BE PLANTED OVER OR WITHIN 5' OF UTILITY LINES OR STORM PIPES. ONLY SOO OR SOFT WOOD SHRUBS MAY BE PLANTED UNDER UTILITY LINES
17. ALL MITERED END SECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 430-202.

STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT:
EX STS 1	EX CURB INLET RIM ELEV. 99.82	INV. 96.52 S 30° RCP	
STS 1	STORM MANHOLE RIM ELEV. 103.53	INV. 98.90 SW 30° RCP	INV. 98.86 N 30° RCP
STS 2	TYPE 'D' INLET RIM ELEV. 103.11	INV. 99.80 W 24° RCP	INV. 99.73 NE 30° RCP
STS 3	TYPE 'D' INLET RIM ELEV. 103.53	INV. 101.20 SW 24° RCP INV. 101.20 W 24° RCP	INV. 100.15 E 24° RCP
STS 4	TYPE 'D' INLET RIM ELEV. 103.79	INV. 102.00 S 18° RCP	INV. 101.97 NE 24° RCP
STS 5	TYPE 'D' INLET RIM ELEV. 104.26		INV. 102.46 N 18° RCP
STS 6	TYPE 'D' INLET RIM ELEV. 103.83	INV. 101.50 SW 24° RCP	INV. 101.49 E 24° RCP
STS 7	TYPE 'D' INLET RIM ELEV. 102.90		INV. 97.93 NE 24° RCP

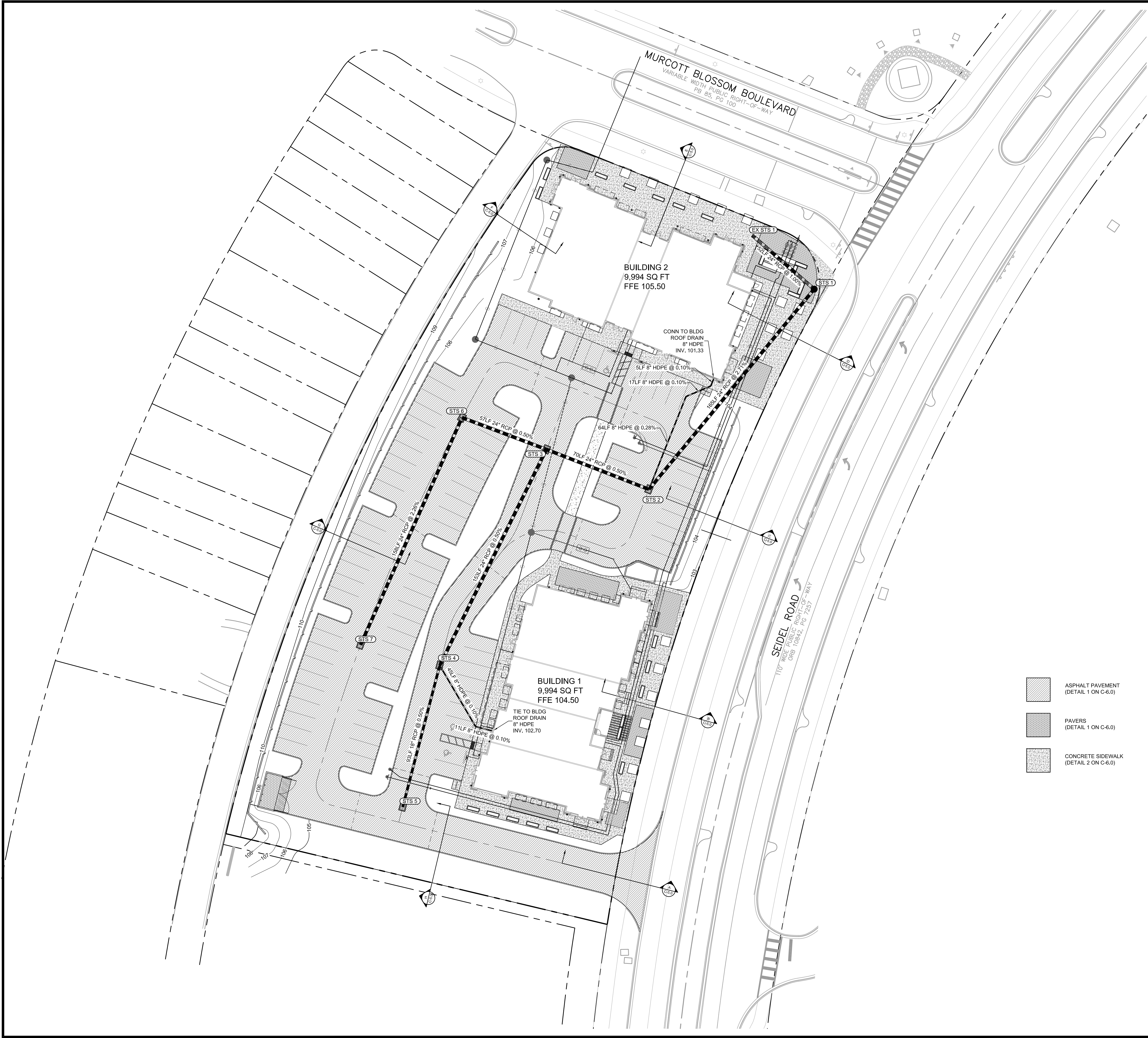
(STS 2)	STORM STRUCTURE I.D.		DRAINAGE SURFACE FLOW
	MITERED END SECTION		DRAINAGE FLOWLINE
			DRAINAGE RIDGE
	STORM CATCH BASIN		PROPOSED GRADES
T.O.W.=77.50 B.O.W.=76.50	TOP OF WALL BOTTOM OF WALL		EXISTING SPOT ELEV.

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NO.	REVISIONS	BY	DATE

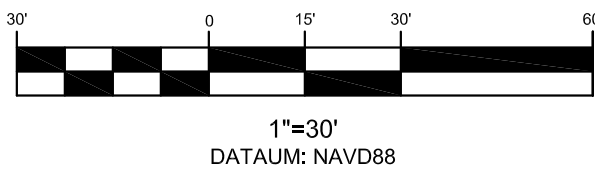


SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

DATE	07/02/24
SCALE	1"=30'
DRAWN-BY	DDP
PROJECT NUMBER: 111-002	
C-3.0	
SHEET NO.	



GRAPHIC SCALE



PAVING AND DRAINAGE NOTES

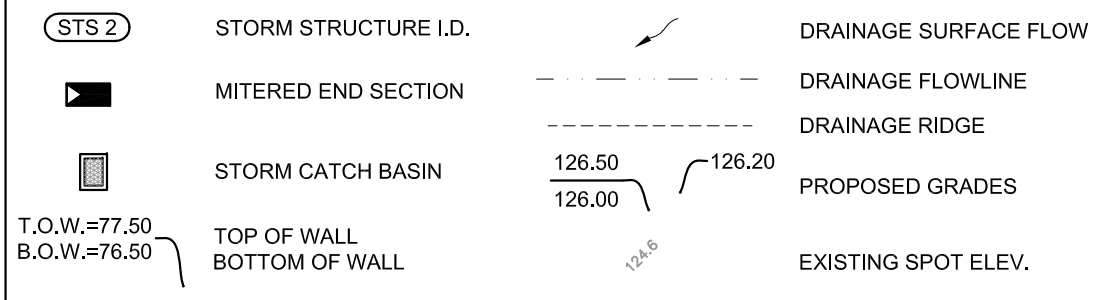
- THE ENTITY THAT WILL OWN, OPERATE, AND MAINTAIN THE STORM SEWER SHOWN ON THESE PLANS IS MONSTERS OF MIDWAY PROPERTIES, LLC. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THE PERMITS OBTAINED.
- THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED ON THE SUBGRADE, BASE, AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND SHALL PROVIDE THE OWNER AND THE ENGINEER WITH COPIES OF THE CERTIFICATION OF COMPACTION FROM THE TESTING COMPANY.
- PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT PEAT AREAS, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFF-SITE AND MATERIALS TO BE DISPOSED OF OFF-SITE, ALL OF WHICH WILL AFFECT HIS PRICING, ANY DELAY, INCONVENIENCE, OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFF-SITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL PRIOR TO N.T.P. TO DETERMINE IF ANY OFF-SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. A TREE REMOVAL PERMIT IS REQUIRED TO BE OBTAINED BY THE CONTRACTOR.
- ALL FILL MATERIALS SHALL BE FREE OF MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH, OR OTHER UNSUITABLE MATTER.
- ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USEABLE (NONORGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOUNTERED, CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE.
- FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. REFER TO SOILS REPORT FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.
- GRADING SHOWN ON THESE PLANS IS PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER A MINIMUM OF FORTY- EIGHT(48) HOURS PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.
- REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III WITH RUBBER GASKET JOINTS. RCP SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 941. RUBBER GASKETS SHALL CONFORM TO SECTION 942.
- ALL OTHER RELATED ITEMS REQUIRED FOR THE CONSTRUCTION OF THE STORM SEWER (OUTFALL PROTECTION, POLLUTION CONTROL, ETC.) ARE TO BE IN ACCORDANCE WITH DETAILS SHOWN ON THE CONSTRUCTION PLANS, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION).
- ALL PIPE CALL OUTS ARE MEASURED CENTERLINE TO CENTERLINE FOR MANHOLES AND INLETS.
- ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED WITH A SEED AND MULCH MIXTURE UNLESS OTHERWISE NOTED.
- ALL OFF-SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED WITH BAHIA.
- NO HARD WOOD TREES MAY BE PLANTED OVER OR WITHIN 5' OF UTILITY LINES OR STORM PIPES. ONLY SOD OR SOFT WOOD SHRUBS MAY BE PLANTED OVER UTILITY LINES
- ALL MITERED END SECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 430-022.

- ASPHALT PAVEMENT (DETAIL 1 ON C-6.0)
- PAVERS (DETAIL 1 ON C-6.0)
- CONCRETE SIDEWALK (DETAIL 2 ON C-6.0)

STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT:
EX STS 1	EX TYPE 'C' INLET ADJUST TOP TO SURFACE ELEVATION RIM ELEV. 104.26	INV. 94.58 SE 24" RCP	
STS 1	STORM MANHOLE RIM ELEV. 103.53	INV. 95.25 SW 24" RCP	INV. 95.10 NW 24" RCP
STS 2	TYPE 'D' INLET RIM ELEV. 103.11	INV. 99.80 W 24" RCP INV. 101.13 N 8" HDPE	INV. 99.73 NE 24" RCP
STS 3	TYPE 'D' INLET RIM ELEV. 103.53	INV. 101.20 SW 24" RCP INV. 101.20 W 24" RCP	INV. 100.15 E 24" RCP
STS 4	TYPE 'D' INLET RIM ELEV. 103.79	INV. 102.00 S 18" RCP INV. 102.65 SE 8" HDPE	INV. 101.97 NE 24" RCP
STS 5	TYPE 'D' INLET RIM ELEV. 104.26		INV. 102.46 N 18" RCP
STS 6	TYPE 'D' INLET RIM ELEV. 103.63	INV. 101.50 SW 24" RCP	INV. 101.49 E 24" RCP
STS 7	TYPE 'D' INLET RIM ELEV. 102.90		INV. 97.93 NE 24" RCP

LEGEND



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DATE

07/02/24

SCALE

1"=30'

DRAWN-BY

DDP

PROJECT NUMBER:

111-002

C-3.1

SHEET NO.

PAVING AND DRAINAGE PLAN

SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

Sunshine 811

TANNATH DESIGN, INC.
2494 ROSE SPRING DRIVE
ORLANDO, FLORIDA 32825
(407) 982-9878
www.tannathdesign.com
FL CERT. OF AUTH. #27199

REVISIONS

NO.

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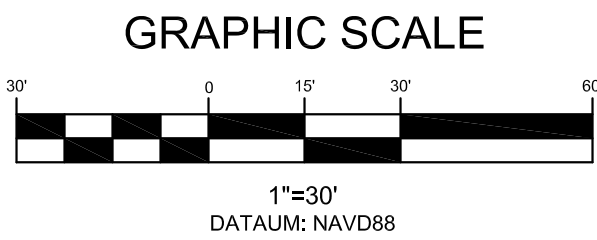
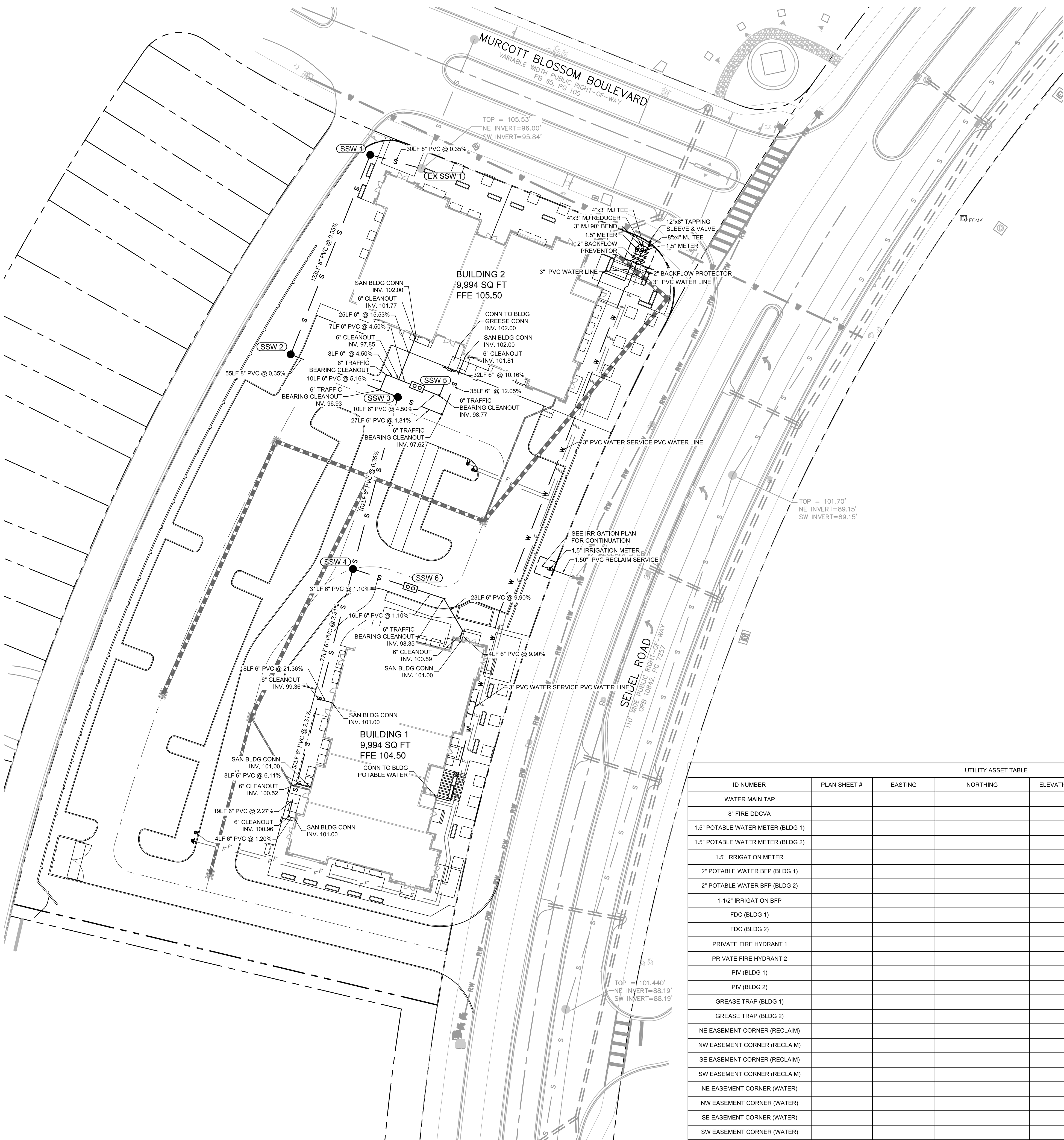
NO.

BY

BRP

DATE

07/02/24



- IRRIGATED AREA: 23,504 SQ FT
- SANITARY WASTEWATER AND WATER SYSTEM NOTES:
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AT ALL POINTS OF CONNECTION, AND AT ALL AREAS OF CONFLICT.
 - IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE BEGINNING ANY CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION & FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES & THE CONTRACTOR SHALL COOPERATE WITH THEM DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT & NO EXTRA COMPENSATION WILL BE ALLOWED.
 - ALL CONSTRUCTION OF THE SEWER COLLECTION AND WATER DISTRIBUTION SYSTEMS SHALL MEET ORANGE COUNTY SPECIFICATIONS FOR WASTEWATER & WATER MAIN CONSTRUCTION.
 - CROSS CONNECTION CONTROL SHALL BE IN ACCORDANCE WITH RULES & REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION-CHAPTER 62-555 "PERMITTING & CONSTRUCTION OF PUBLIC WATER SYSTEMS."
 - CONTRACTOR SHALL COORDINATE ALL WATER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE & PROVIDE FIVE (5) WORKING DAYS NOTICE OF WATER TESTS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION & AT CONTRACTOR'S EXPENSE.
 - ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVAL FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) & REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
 - SITE CONTRACTOR SHALL COORDINATE & VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS & BUILDING CONTRACTOR.
 - CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH HORIZONTAL & VERTICAL AS-BUILT INFORMATION ON LOCATION OF WATER MAINS, FITTINGS & WATER SERVICES LOCATED FROM CENTERLINE OF NEAREST FIRE HYDRANT OR NEAREST MANHOLE.
 - SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED.
 - CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE & THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
 - EXISTING WATER MAINS SHALL BE PROTECTED FROM CONTAMINATION DURING THE FILLING, FLUSHING, & TESTING OF NEW LINES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA C651 92.
 - THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE FDEP WATER PERMIT, & RECEIVE APPROVAL THEREOF FROM THE LOCAL WATER UTILITY, ENGINEER OF RECORD, & FDEP, PRIOR TO PLACING IN SERVICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE FDEP WATER & SEWER PERMITS FROM THE OWNER & MAINTAIN THEM ON THE JOB SITE AT ALL TIMES. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE AWWA 651 "DISINFECTING WATER MAINS."
 - THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA), ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.

UTILITY SEPARATION NOTE:

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

UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. NEW UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER. UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

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

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 (6) 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. 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. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. 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, AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER.

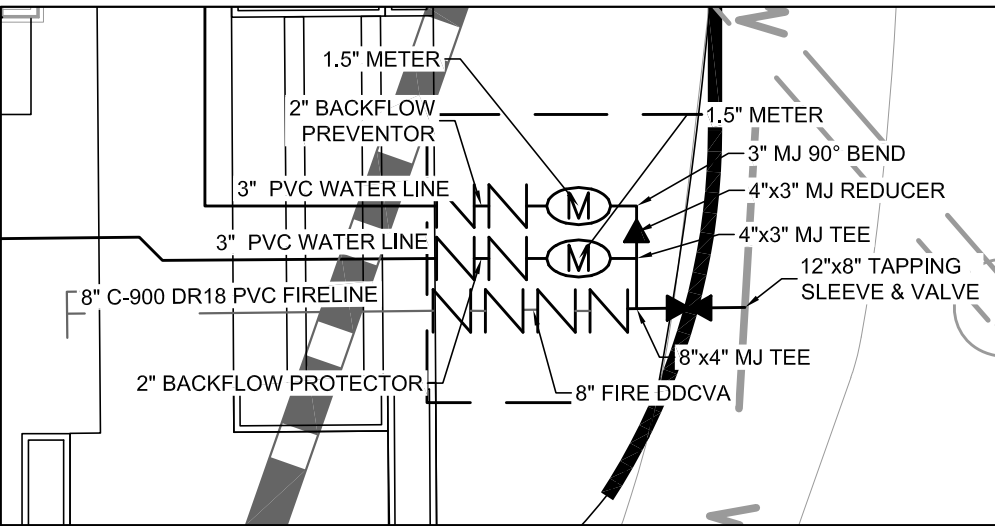
SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES

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

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

FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST (3) THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET FROM ANY EXISTING OR PROPOSED VACUUM TYPE SANITARY SEWER; AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AND AT LEAST TEN (10) FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT:
EX SSW 1	EXISTING SANITARY MANHOLE RIM ELEV. 105.62	INV. 96.00 W 8" PVC	INV. 95.84 N 8" PVC
SSW 1	SANITARY MANHOLE RIM ELEV. 106.26	INV. 96.21 S 8" PVC	INV. 96.11 E 8" PVC
SSW 2	SANITARY MANHOLE RIM ELEV. 105.24	INV. 96.74 E 8" PVC	INV. 96.64 N 8" PVC
SSW 3	SANITARY MANHOLE RIM ELEV. 104.37	INV. 97.13 S 8" PVC INV. 97.13 E 6" PVC	INV. 96.97 W 8"
SSW 4	STORM MANHOLE RIM ELEV. 103.68	INV. 97.58 S 6" PVC INV. 97.58 E 6" PVC	INV. 97.49 N 6" PVC
SSW 5	GREASE INTERCEPTOR RIM ELEV. 104.53	INV. 98.33 E 6" PVC	INV. 98.18 W 6"



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BRYAN POTTS ON THE DATE AND TIME SHOWN USING A
DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

UTILITY ASSET TABLE						
ID NUMBER	PLAN SHEET #	EASTING	NORTHING	ELEVATION	BOUNDARY CORNER TYPE	COMMENTS
WATER MAIN TAP						
8" FIRE DDCVA						
1.5" POTABLE WATER METER (BLDG 1)						
1.5" POTABLE WATER METER (BLDG 2)						
1.5" IRRIGATION METER						
2" POTABLE WATER BFP (BLDG 1)						
2" POTABLE WATER BFP (BLDG 2)						
1-1/2" IRRIGATION BFP						
FDC (BLDG 1)						
FDC (BLDG 2)						
PRIVATE FIRE HYDRANT 1						
PRIVATE FIRE HYDRANT 2						
PIV (BLDG 1)						
PIV (BLDG 2)						
GREASE TRAP (BLDG 1)						
GREASE TRAP (BLDG 2)						
NE EASEMENT CORNER (RECLAIM)						
NW EASEMENT CORNER (RECLAIM)						
SE EASEMENT CORNER (RECLAIM)						
SW EASEMENT CORNER (RECLAIM)						
NE EASEMENT CORNER (WATER)						
NW EASEMENT CORNER (WATER)						
SE EASEMENT CORNER (WATER)						
SW EASEMENT CORNER (WATER)						

DATE

07/08/24

SCALE

1"=30'

DRAWN-BY

DDP

PROJECT NUMBER:

111-002

C-4.0

SHEET NO.

REVISIONS

NO.

ISSUED FOR PERMITTING

NO.

BY

BRP

DATE

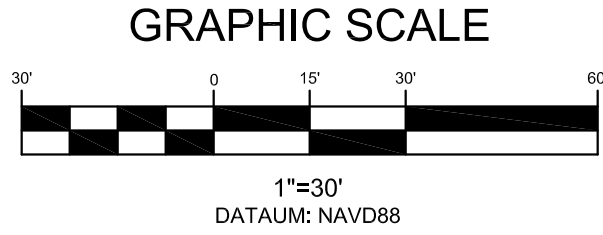
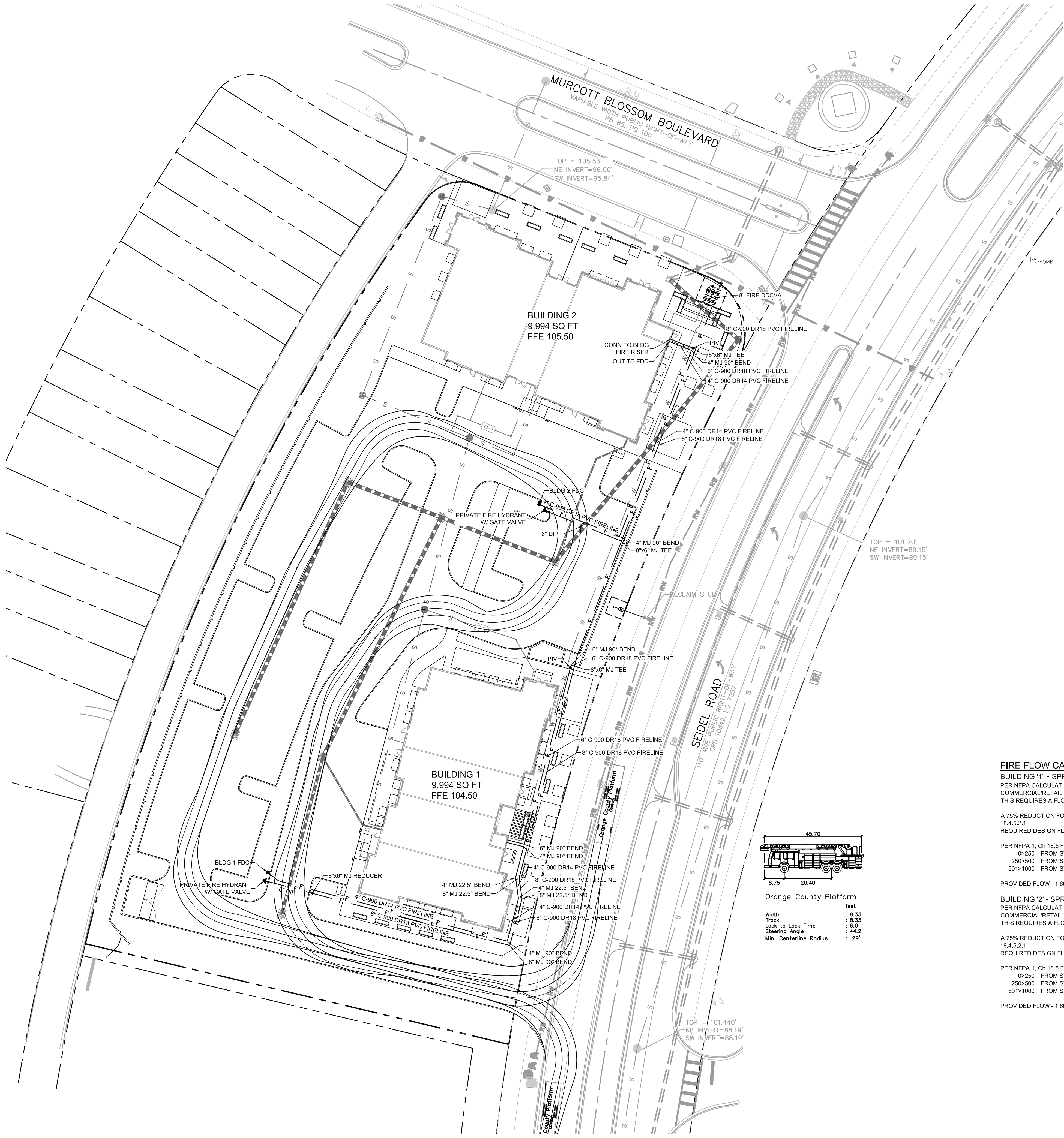
07/08/24

Sunshine 811

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FL CERT. OF AUTH. #27199

UTILITY PLAN

SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA



SANITARY WASTEWATER AND WATER SYSTEM NOTES:

- 1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AT ALL POINTS OF CONNECTION, AND AT ALL AREAS OF CONFLICT.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE BEGINNING ANY CONSTRUCTION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION & FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES & THE CONTRACTOR SHALL COOPERATE WITH THEM DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT & NO EXTRA COMPENSATION WILL BE ALLOWED.
- 4. ALL CONSTRUCTION OF THE SEWER COLLECTION AND WATER DISTRIBUTION SYSTEMS SHALL MEET ORANGE COUNTY SPECIFICATIONS FOR WASTEWATER & WATER MAIN CONSTRUCTION.
- 5. CROSS CONNECTION CONTROL SHALL BE IN ACCORDANCE WITH RULES & REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION CHAPTER 62-555 "PERMITTING & CONSTRUCTION OF PUBLIC WATER SYSTEMS."
- 6. CONTRACTOR SHALL COORDINATE ALL WATER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE & PROVIDE FIVE (5) WORKING DAYS NOTICE OF WATER TESTS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION & AT CONTRACTOR'S EXPENSE.
- 7. ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVAL FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) & REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
- 8. SITE CONTRACTOR SHALL COORDINATE & VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS & BUILDING CONTRACTOR.
- 9. CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH HORIZONTAL & VERTICAL AS-BUILT INFORMATION ON LOCATION OF WATER MAINS, FITTINGS & WATER SERVICES LOCATED FROM CENTERLINE OF NEAREST FIRE HYDRANT OR NEAREST MANHOLE.
- 10. SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED.
- 11. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE & THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
- 12. EXISTING WATER MAINS SHALL BE PROTECTED FROM CONTAMINATION DURING THE FILLING, FLUSHING, & TESTING OF NEW LINES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA C651 92.
- 13. THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE FDEP WATER PERMIT, & RECEIVE APPROVAL THEREOF FROM THE LOCAL WATER UTILITY. ENGINEER OF RECORD, & FDEP, PRIOR TO PLACING IN SERVICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE FDEP WATER & SEWER PERMITS FROM THE OWNER & MAINTAIN THEM ON THE JOB SITE AT ALL TIMES. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE AWWA 651 "DISINFECTING WATER MAINS".
- 14. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (80-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.

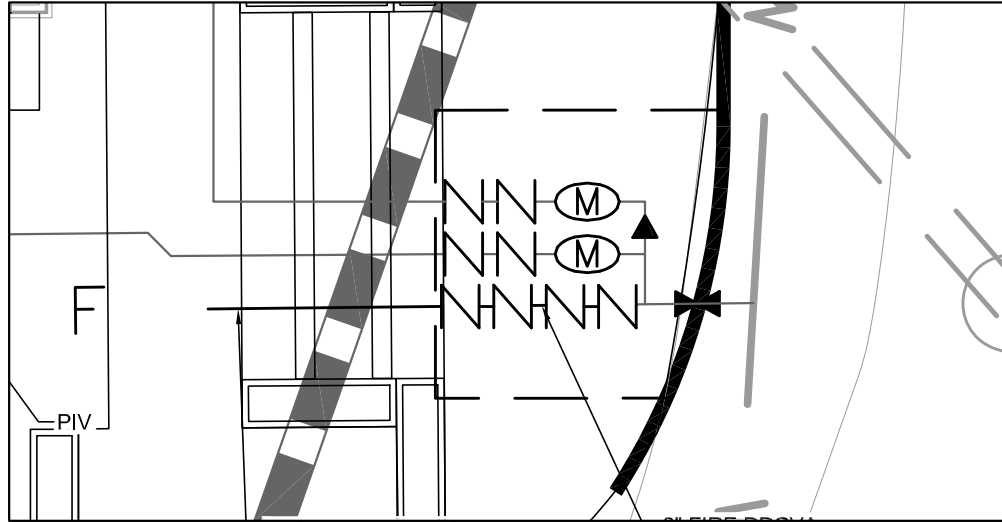
UTILITY SEPARATION NOTE:

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 UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET AND PREFERABLY TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. NEW UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER. UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS AND RECLAIMED WATER PIPELINES 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 (6) 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. 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. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. 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, AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER.

SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE, 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.

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 FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST (3) THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET FROM ANY EXISTING OR PROPOSED VACUUM TYPE SANITARY SEWER, AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AND AT LEAST TEN (10) FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."



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FIRE FLOW CALCULATIONS:

BUILDING "1" - SPRINKLED PER NFPA CALCULATIONS CONSTRUCTION TYPE V(000). COMMERCIAL/RETAIL BUILDING 9,994 SF. THIS REQUIRES A FLOW OF 2,750 gpm.

A 75% REDUCTION FOR SPRINKLED BUILDING PER NFPA 1, CH 18.4.5.2.1 REQUIRED DESIGN FLOW - 1,000 gpm

PER NFPA 1, Ch 18.5 FIRE HYDRANTS	
0-250' FROM STRUCTURE - 1,000 gpm	1 HYDRANT
250-500' FROM STRUCTURE - 600 gpm	1 HYDRANT
501-1000' FROM STRUCTURE - 250 gpm	0 HYDRANT

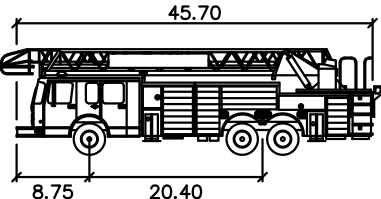
PROVIDED FLOW - 1,600 gpm

BUILDING "2" - SPRINKLED PER NFPA CALCULATIONS CONSTRUCTION TYPE V(000). COMMERCIAL/RETAIL BUILDING 9,994 SF. THIS REQUIRES A FLOW OF 2,750 gpm.

A 75% REDUCTION FOR SPRINKLED BUILDING PER NFPA 1, CH 18.4.5.2.1 REQUIRED DESIGN FLOW - 1,000 gpm

PER NFPA 1, Ch 18.5 FIRE HYDRANTS	
0-250' FROM STRUCTURE - 1,000 gpm	1 HYDRANT
250-500' FROM STRUCTURE - 600 gpm	1 HYDRANT
501-1000' FROM STRUCTURE - 250 gpm	0 HYDRANT

PROVIDED FLOW - 1,600 gpm



Width	feet
Track	8.33
Look to Lock Time	8.33
Steering Angle	6.0
Min. Centerline Radius	44.2
	29'

DATE

07/08/24

SCALE

1"=30'

DRAWN-BY

DDP

PROJECT NUMBER:

111-002

C-4.1

SHEET NO.

Sunshine 811

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FIRE PLAN

SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

REVISIONS

ISSUED FOR PERMITTING

NO

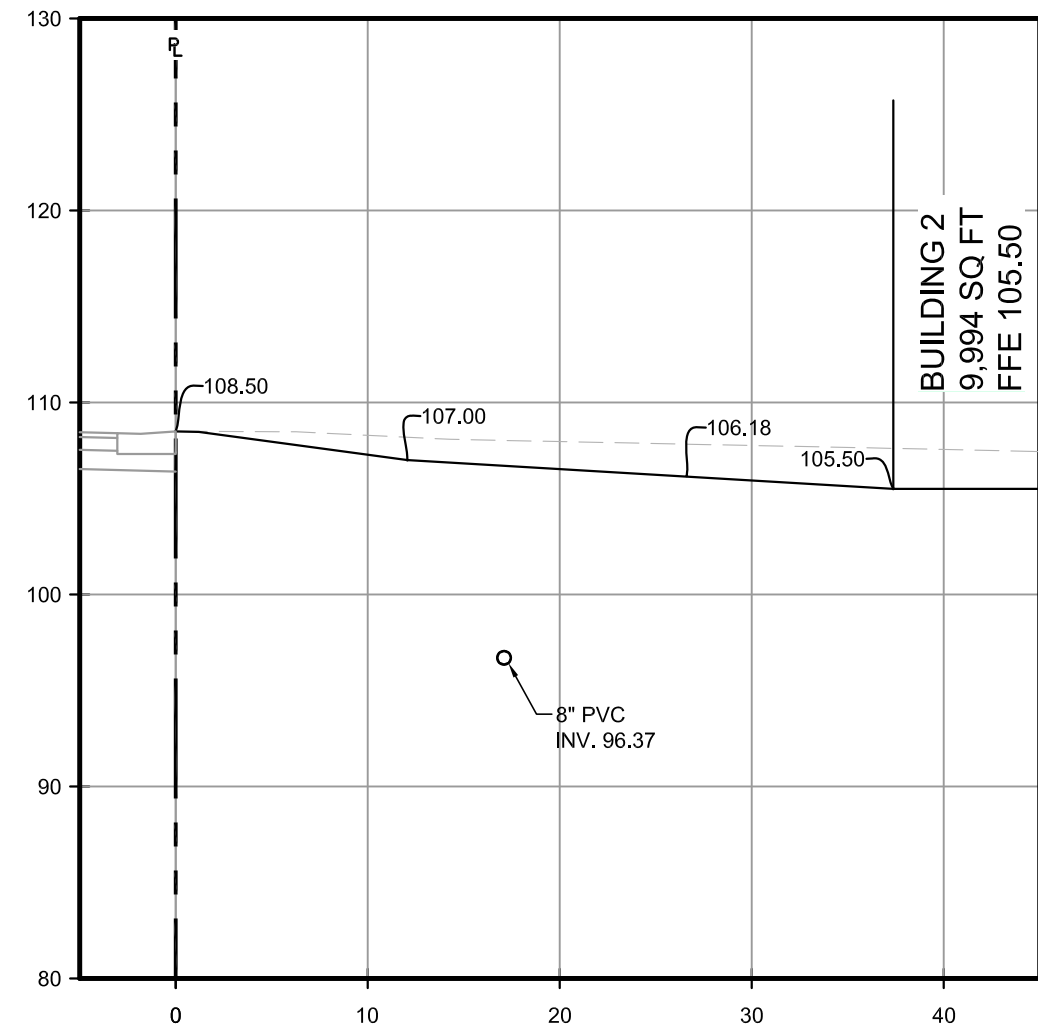
BY

DATE

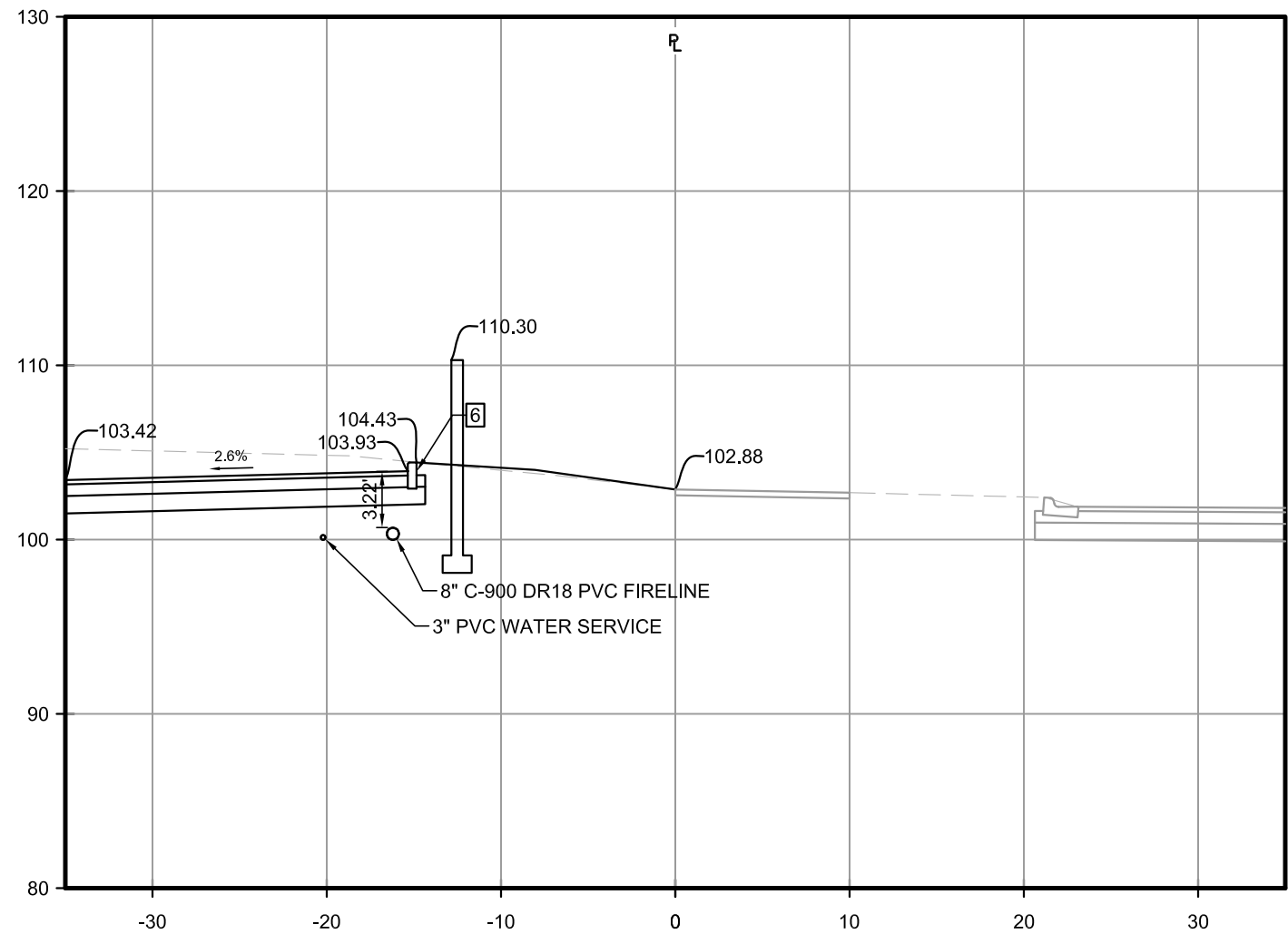
SECTION NOTE LEGEND

- 1 SAW CUT AND REMOVE EXISTING SHOULDER OR CURB
- 2 REMOVE EXISTING SIDEWALK
- 3 ASPHALT PAVEMENT (SEE DETAIL 1 ON C-6.0)
- 4 STEM WALL (TO BE DESIGNED BY OTHERS)
- 5 4" SIDEWALK (SEE DETAIL 3 ON C-13)
- 6 TYPE 'D' CURB (SEE DETAIL 3 ON C-6.0)
- 7 TYPE 'F' CURB AND GUTTER

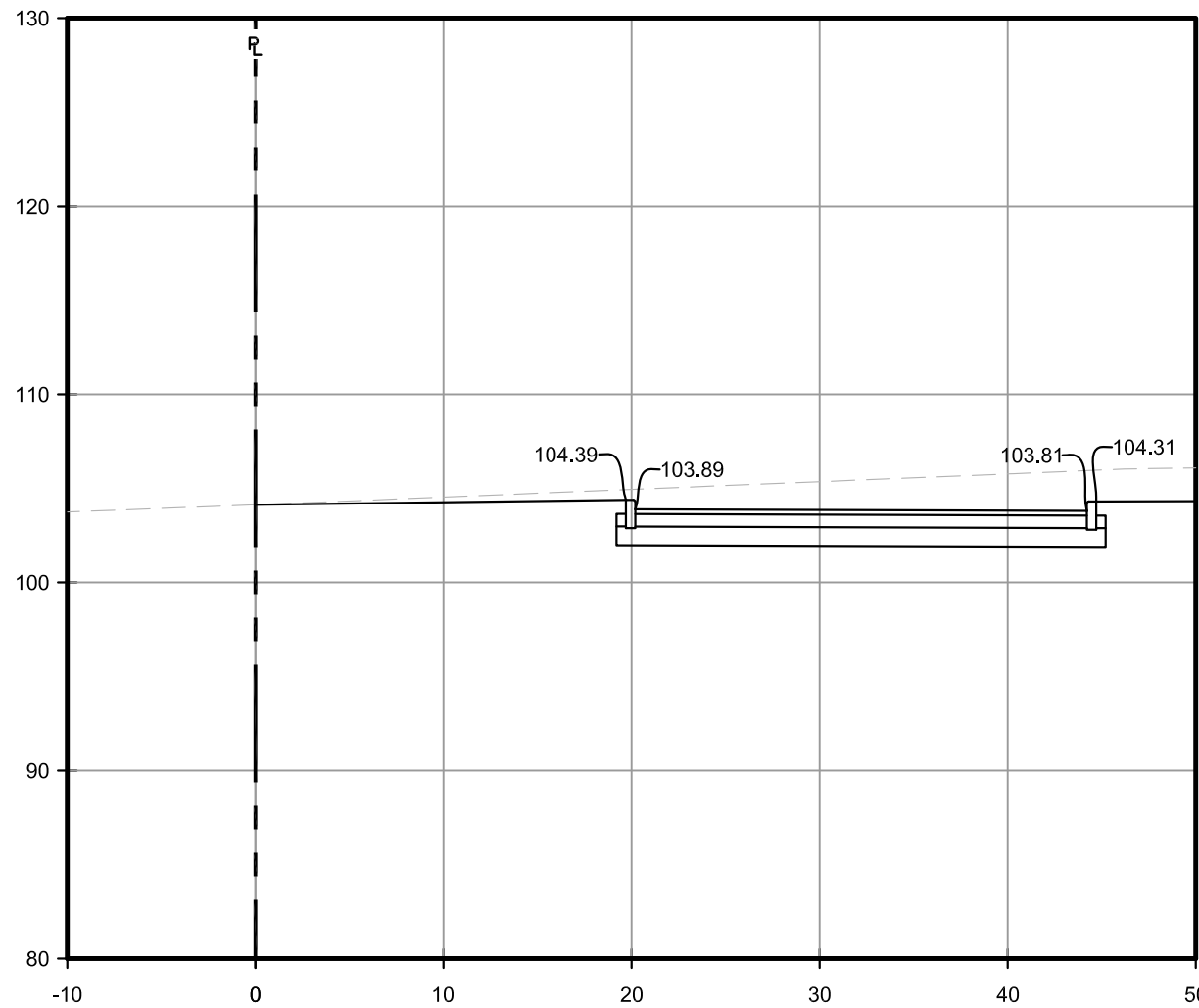
SECTION F-F



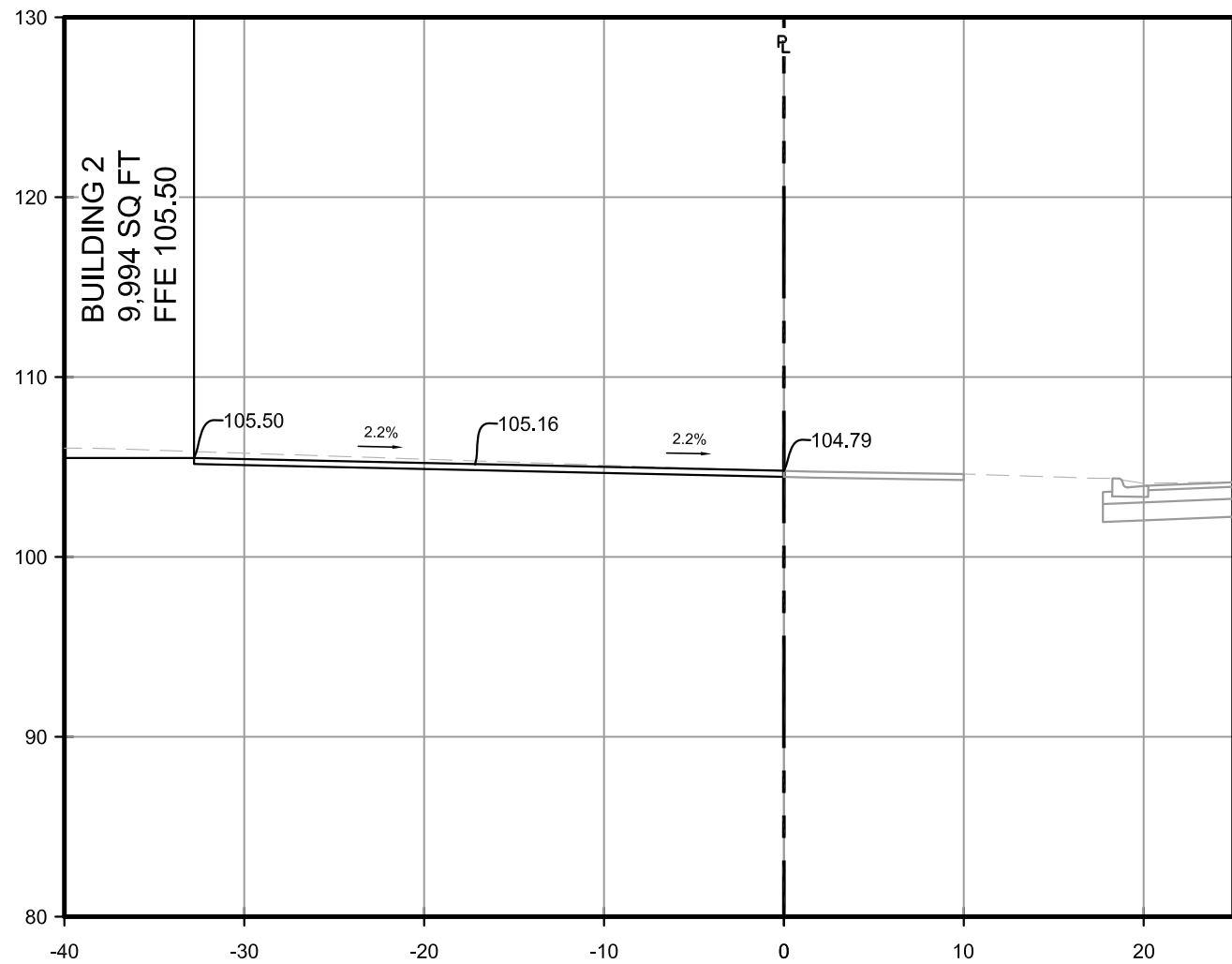
SECTION C-C



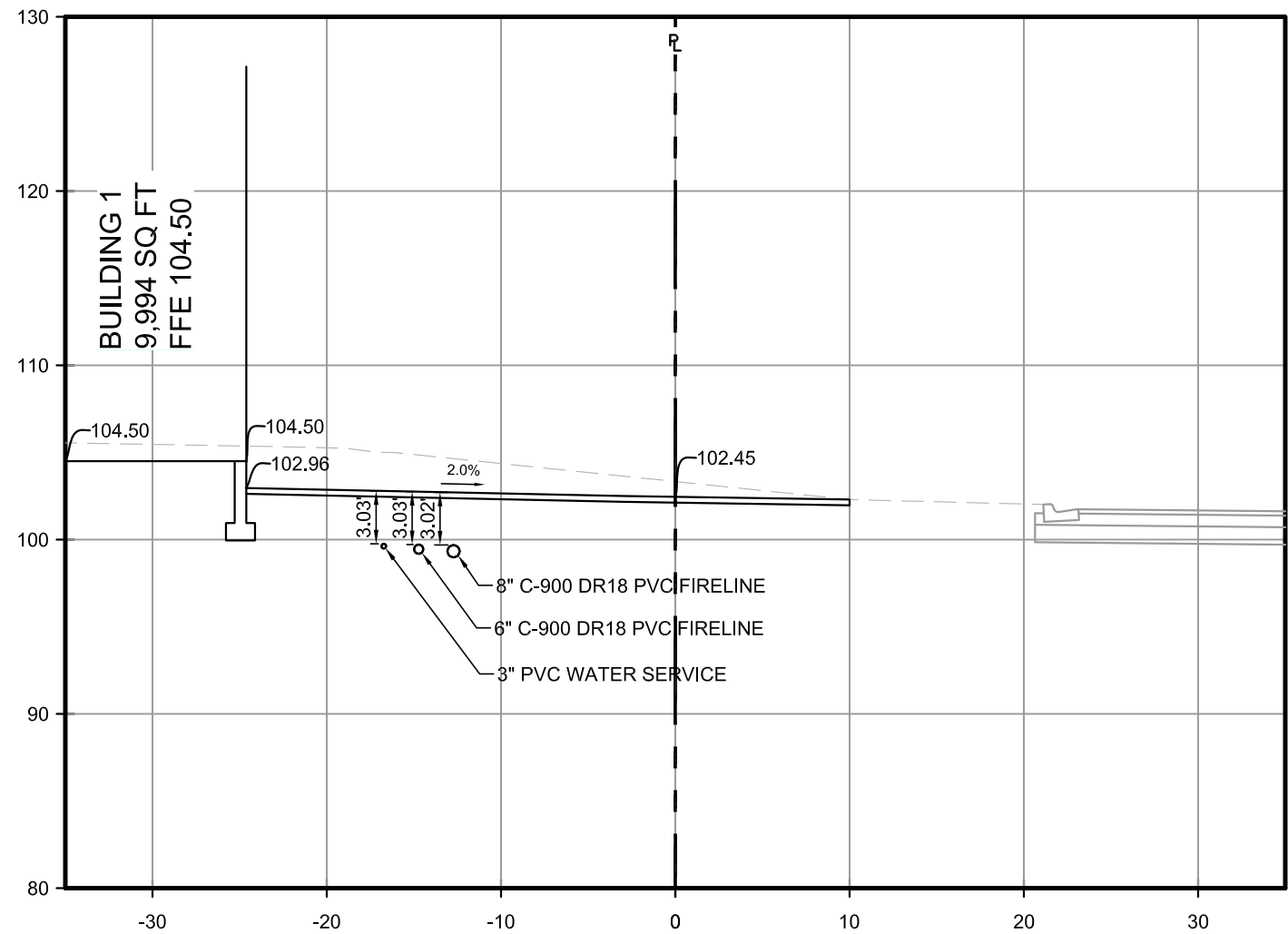
SECTION H-H



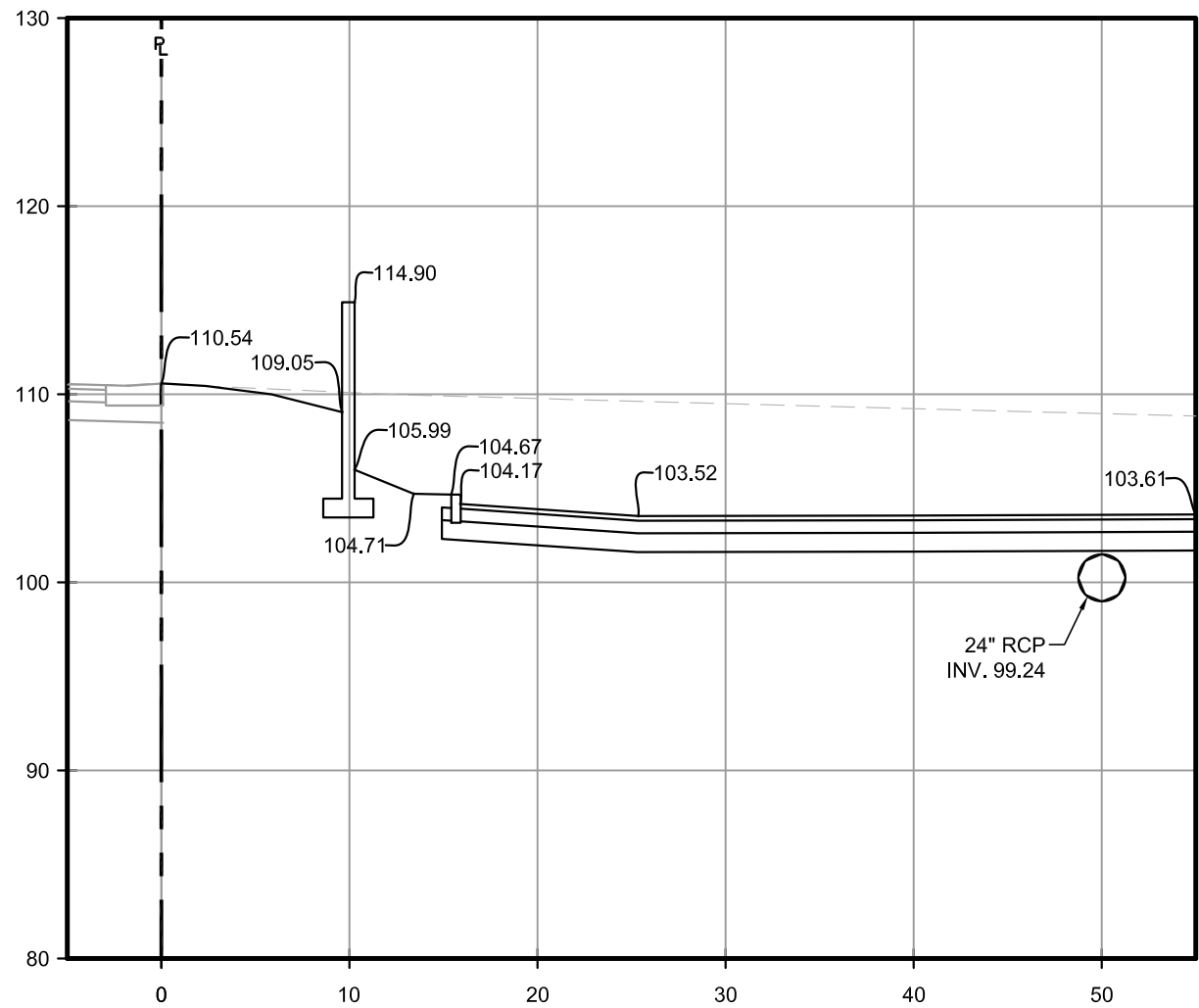
SECTION E-E



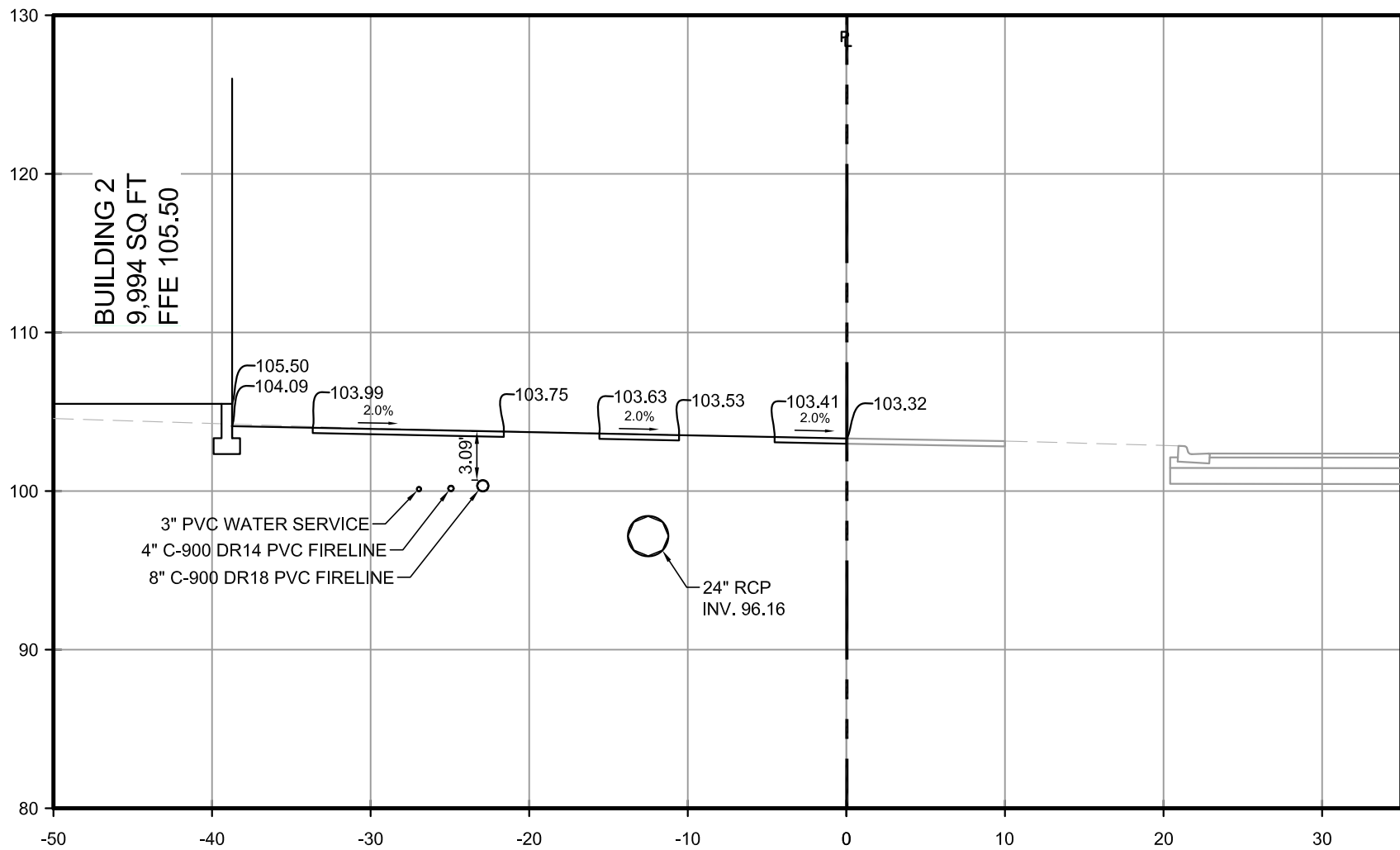
SECTION B-B



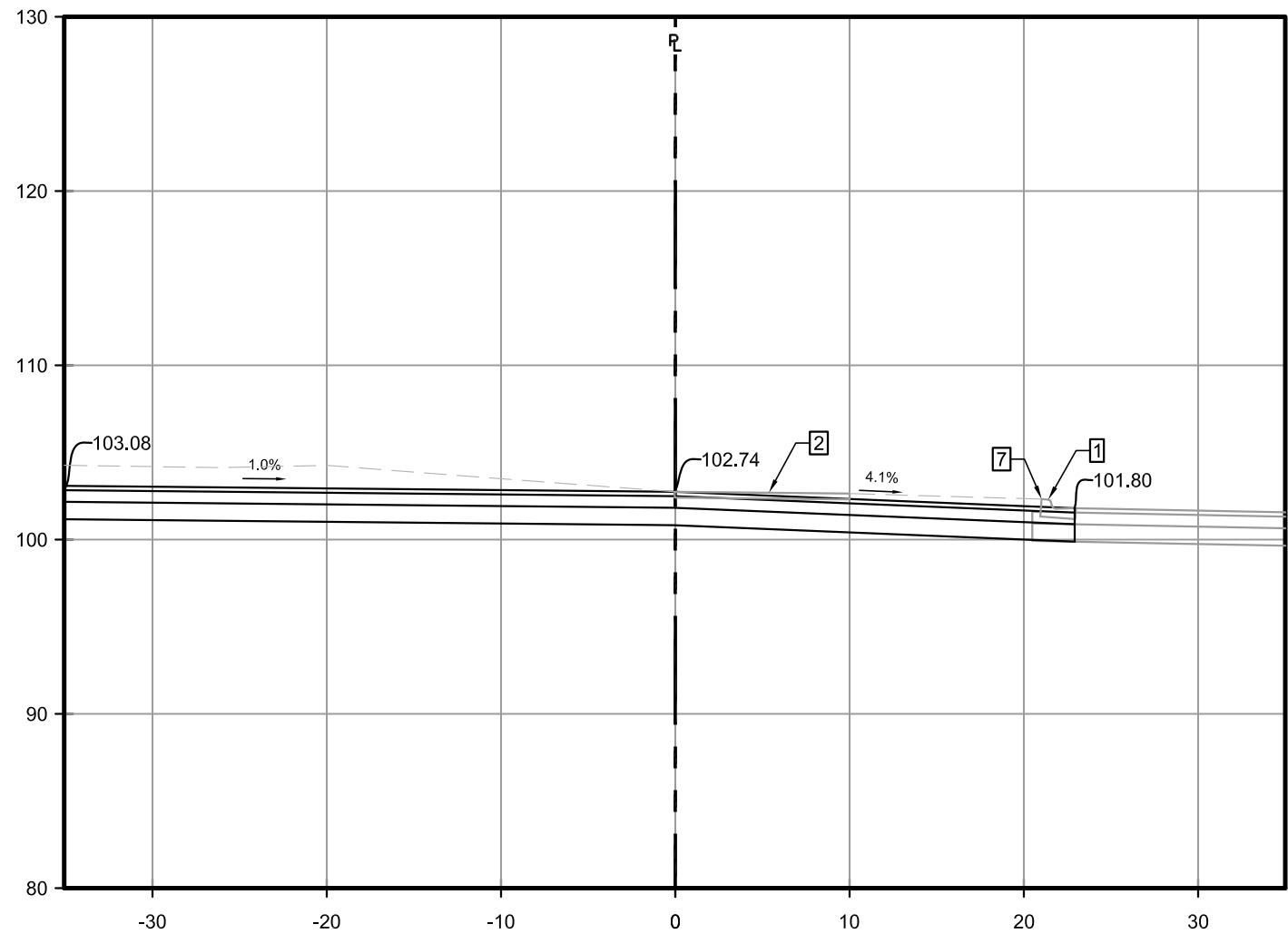
SECTION G-G



SECTION D-D



SECTION A-A



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NO.	REVISIONS	BY	DATE
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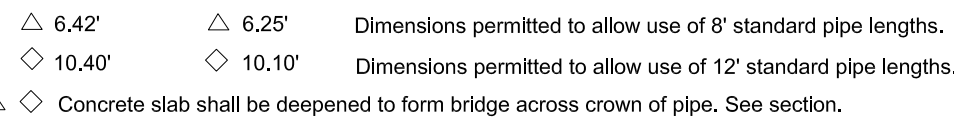
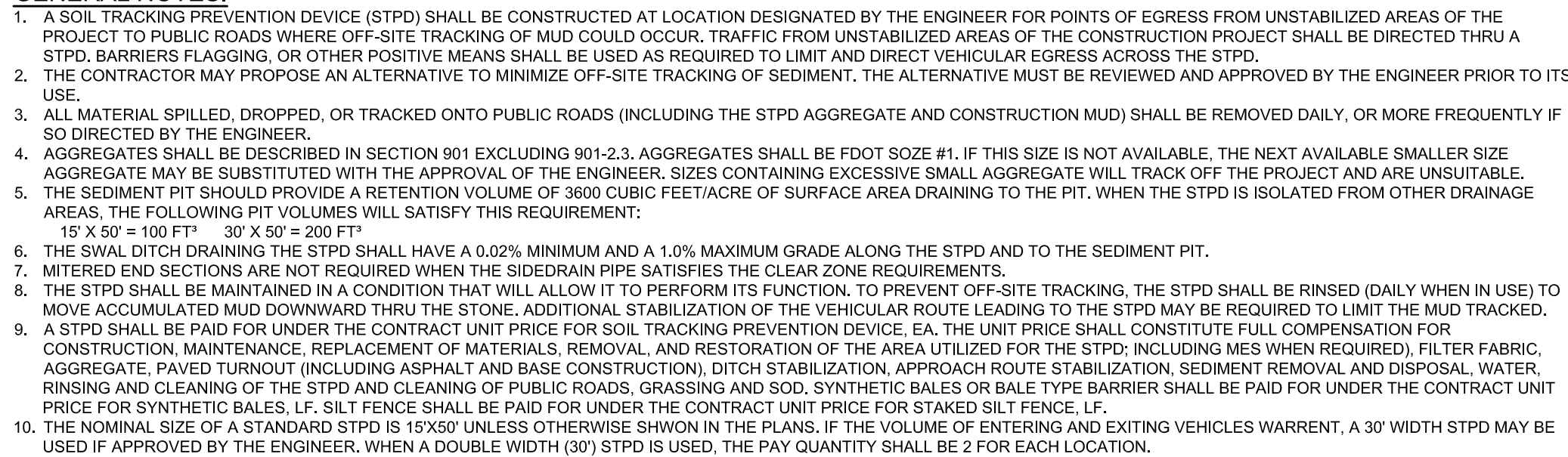
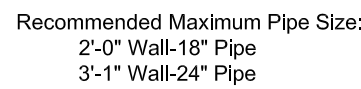


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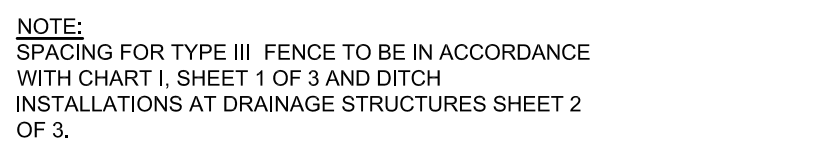
SITE CROSS SECTIONS
SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

DATE	07/16/24
SCALE	1"=10'
DRAWN-BY	DDP
PROJECT NUMBER:	111-002
C-5.0	
SHEET NO.	



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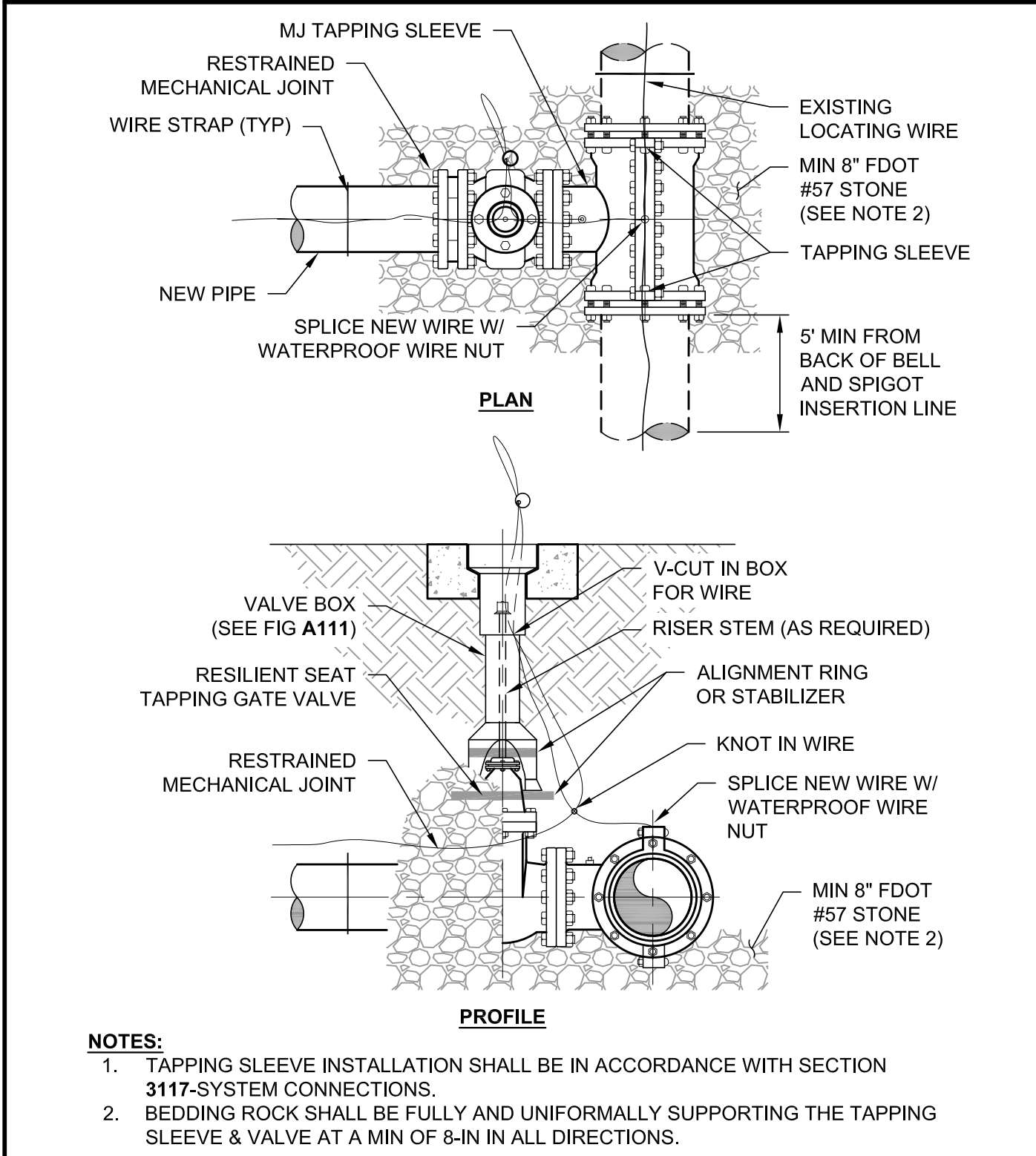


SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

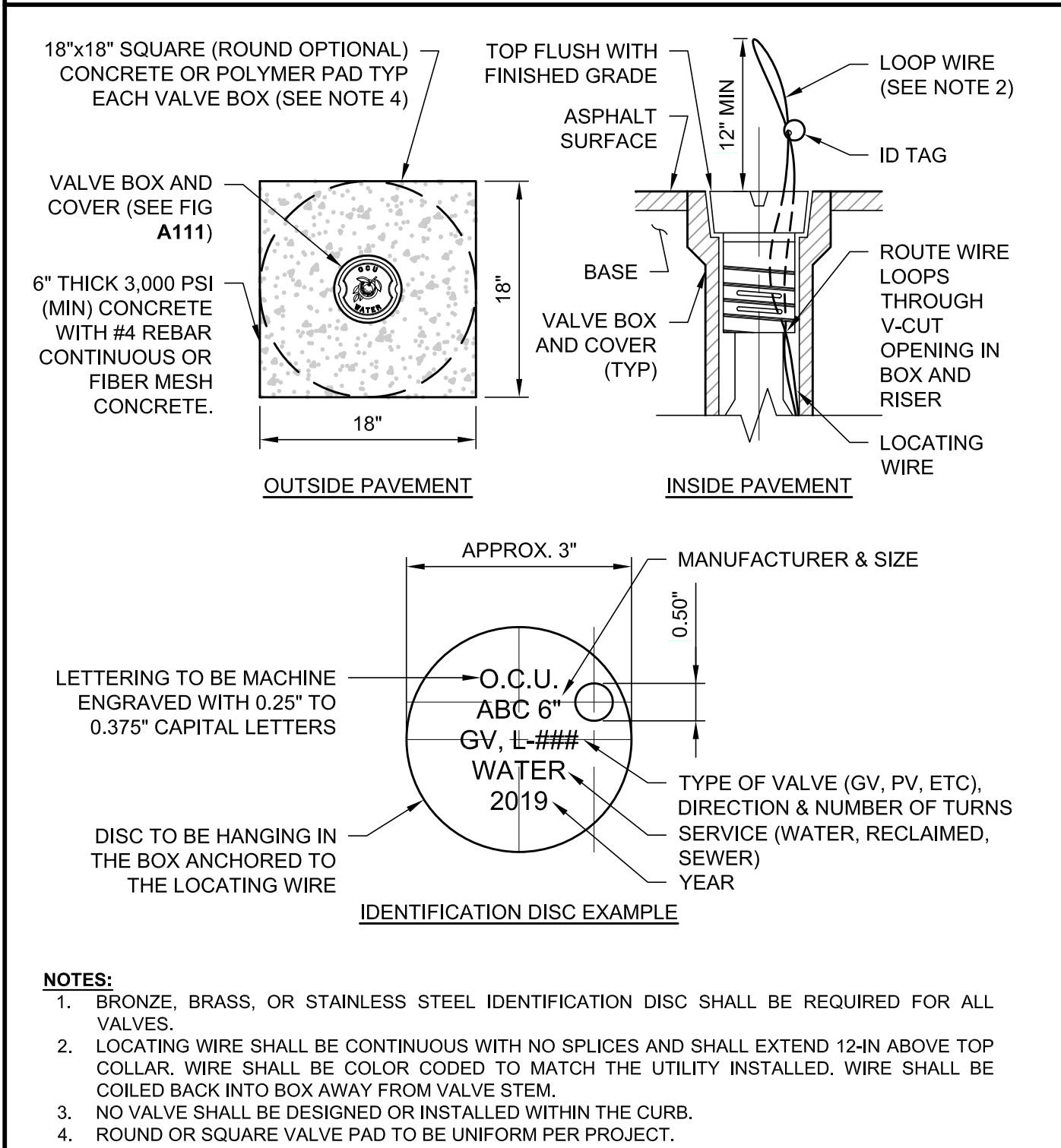
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SCALE	NTS
DRAWN-BY	DDP
PROJECT NUMBER: 111-002	
C-7.0	
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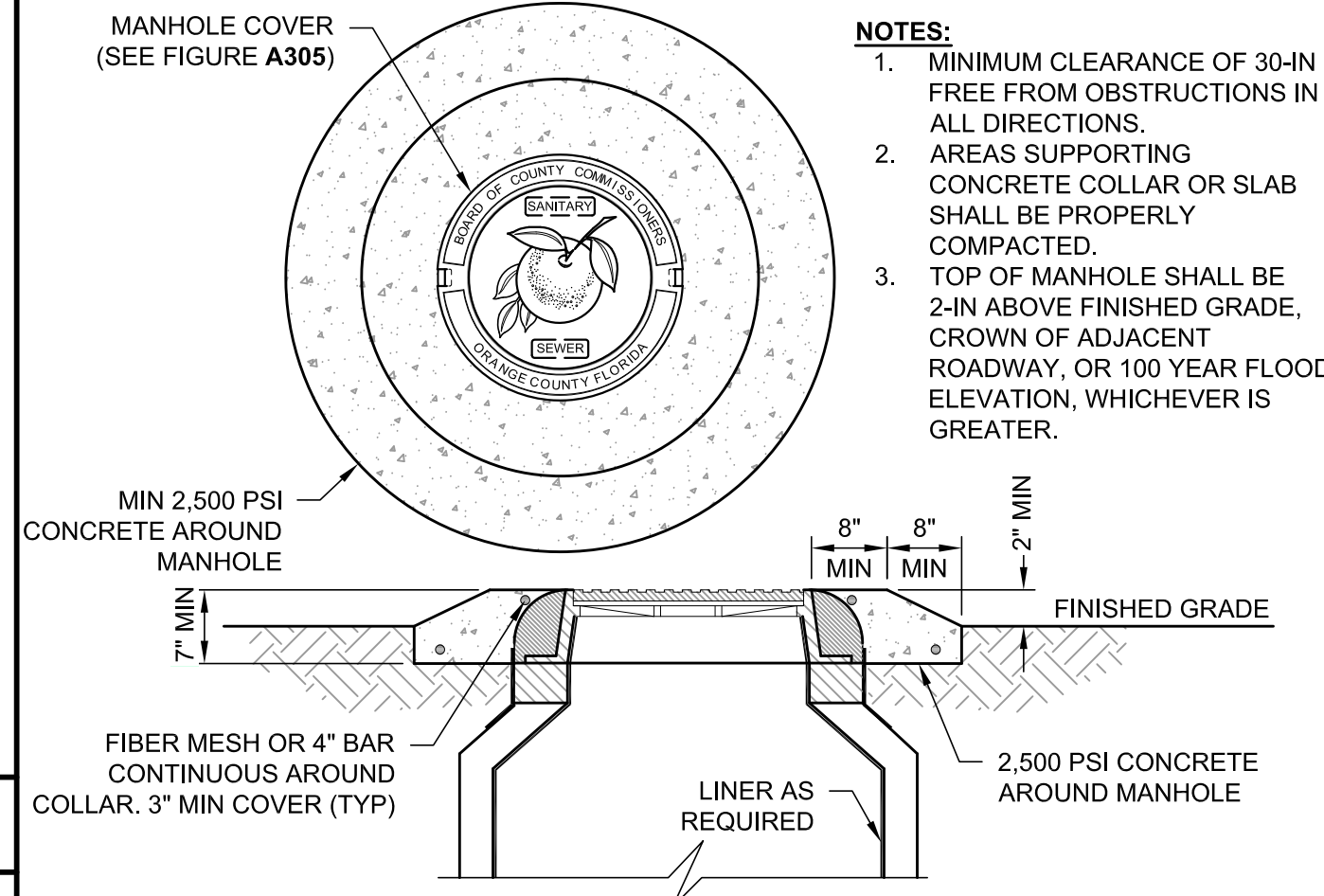
MJ TAPPING SLEEVE & GATE VALVE
ASSEMBLY FOR WATER & RECLAIMED WATER
DATE: OCTOBER 10, 2021
FIGURE A121-1



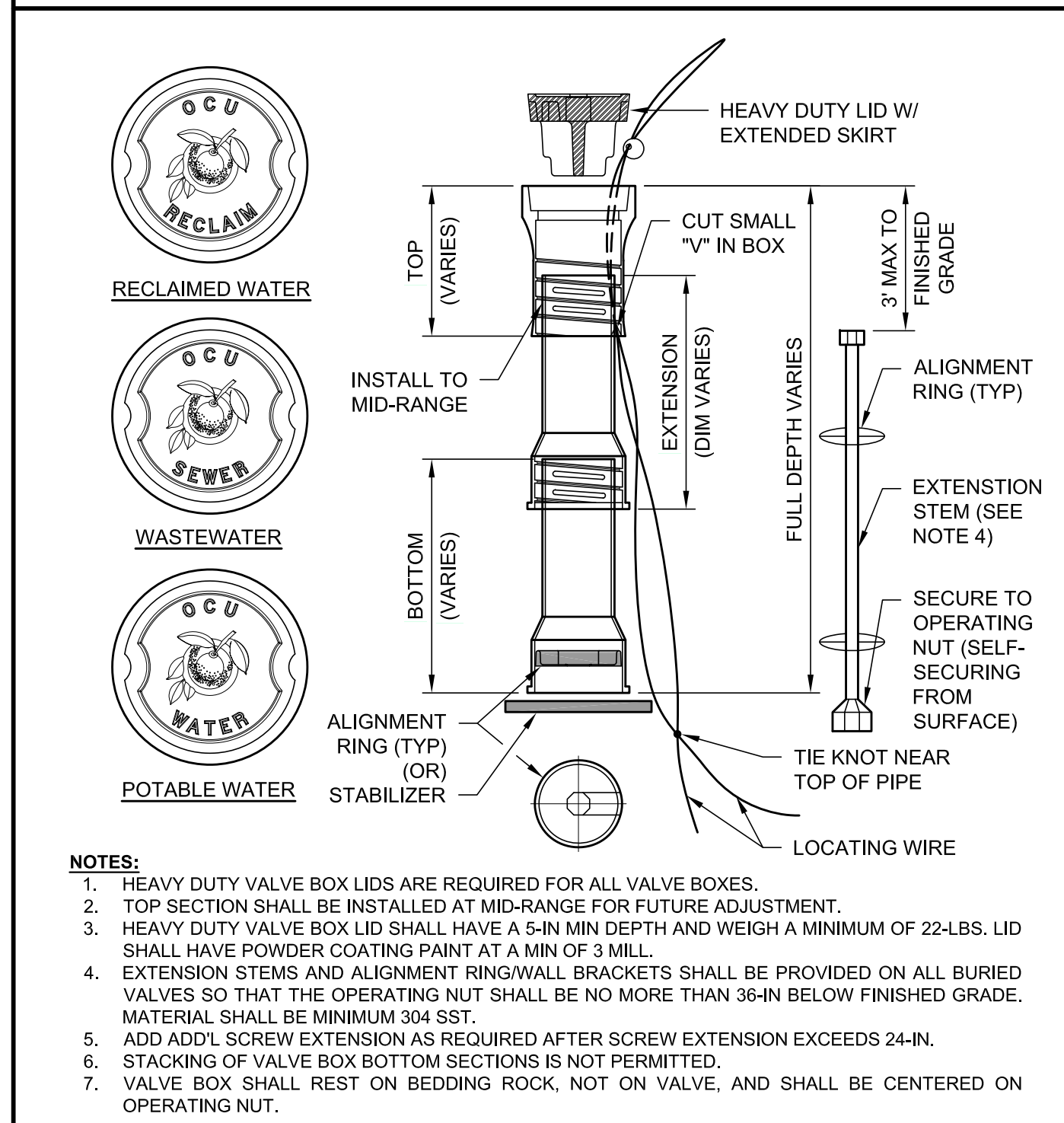
VALVE BOX PAD
DATE: OCTOBER 10, 2021
FIGURE A112



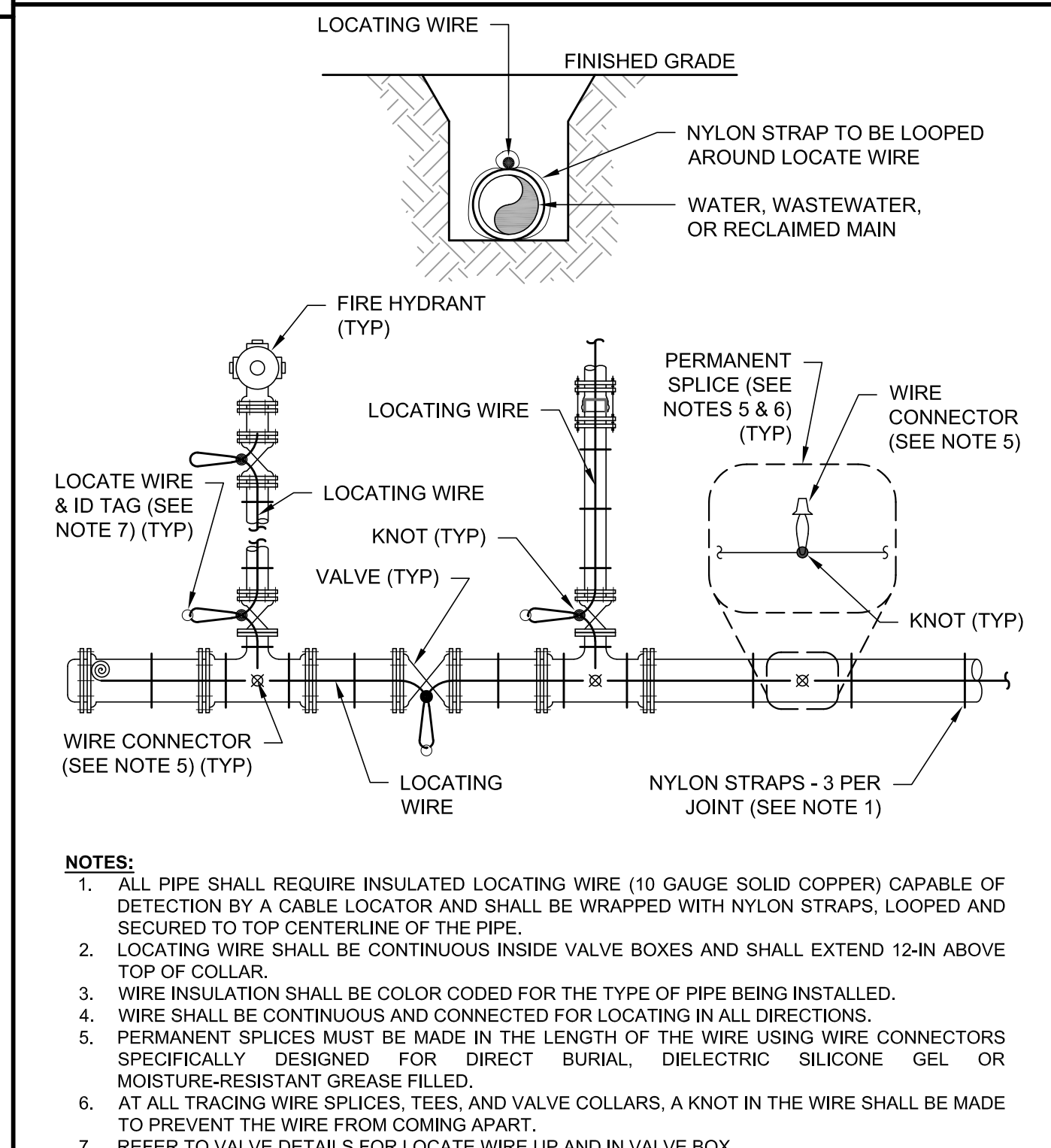
MANHOLE IN NON PAVED AREA
DATE: OCTOBER 10, 2021
FIGURE A304



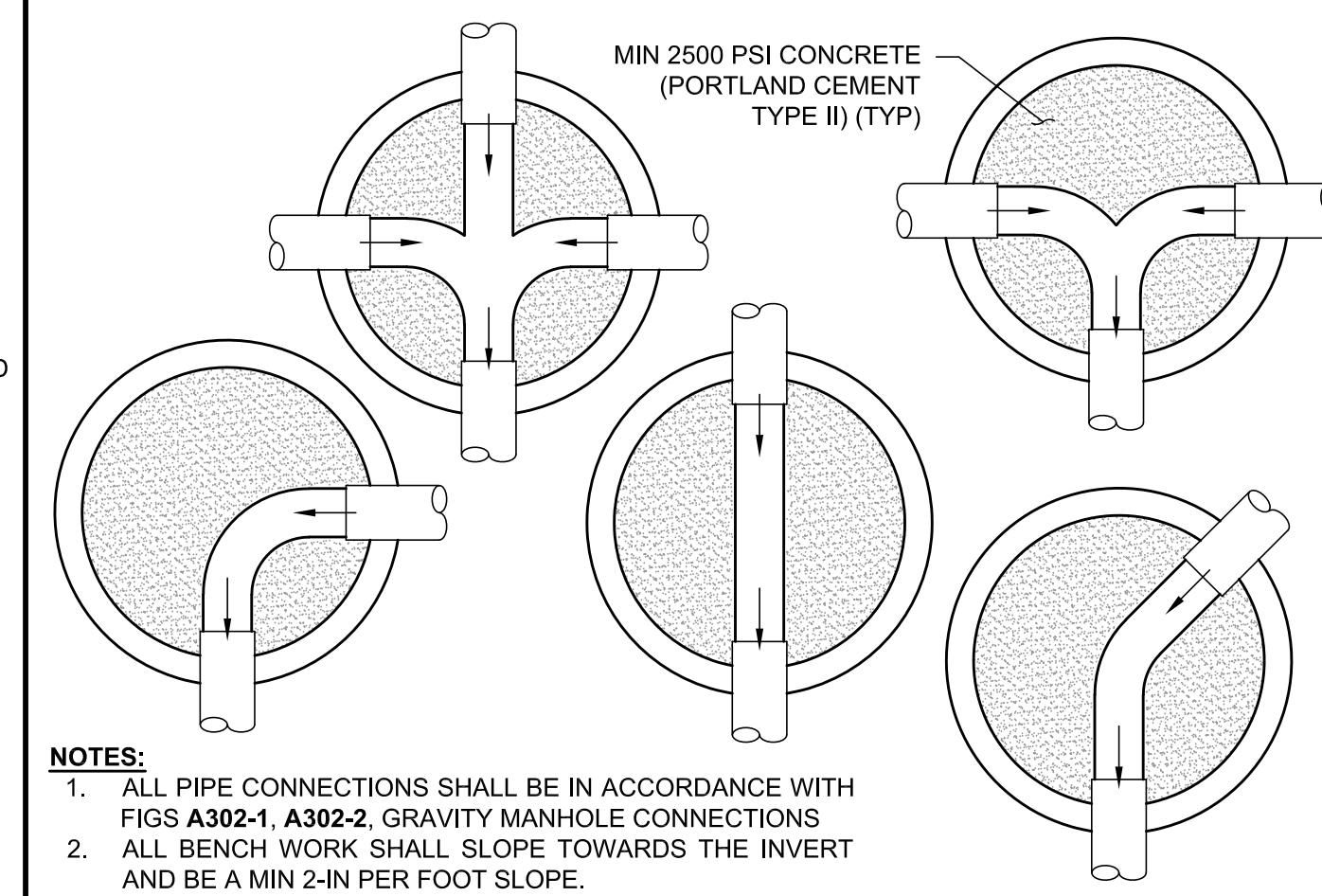
TYPICAL VALVE BOX & COVER
DATE: OCTOBER 10, 2021
FIGURE A111



PIPE LOCATING WIRE
DATE: OCTOBER 10, 2021
FIGURE A114



GRAVITY MANHOLE FLOW CHANNELS
DATE: OCTOBER 10, 2021
FIGURE A303



VERTICAL PIPELINE SEPARATION REQ.S
DATE: OCTOBER 10, 2021
FIGURE A116-2

VERTICAL SEPARATION REQUIREMENTS (NOTES 1 & 2)					
PROPOSED UTILITY	POTABLE WATER (NOTE 4)	RECLAIMED WATER MAIN	WASTEWATER FORCEMAIN	SANITARY SEWER	STORM SEWER (NOTE 3)
POTABLE WATER (NOTE 4)	12"	12"	12" / 18"	12" / 18"	12" / 18"
RECLAIMED WATER MAIN	12"	12"	12"	12"	12" / 18"
WASTEWATER FORCEMAIN	12"	12"	12"	12"	12" / 18"
SANITARY SEWER	12" / 18"	12"	12"	12"	12" / 18"

NOTES:

- DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE.
- THE 18-IN SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE OR SANITARY SEWER CROSSES ABOVE THE UTILITY MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24-IN. OTHERWISE, THE REQUIRED SEPARATION IS 12-IN.
- THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES.
- NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
- REFERENCE FIGURE A116-1 FOR HORIZONTAL PIPELINE SEPARATION REQUIREMENTS.
- JOINT SPACING AT CROSSING SHALL COMPLY WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, F.A.C.

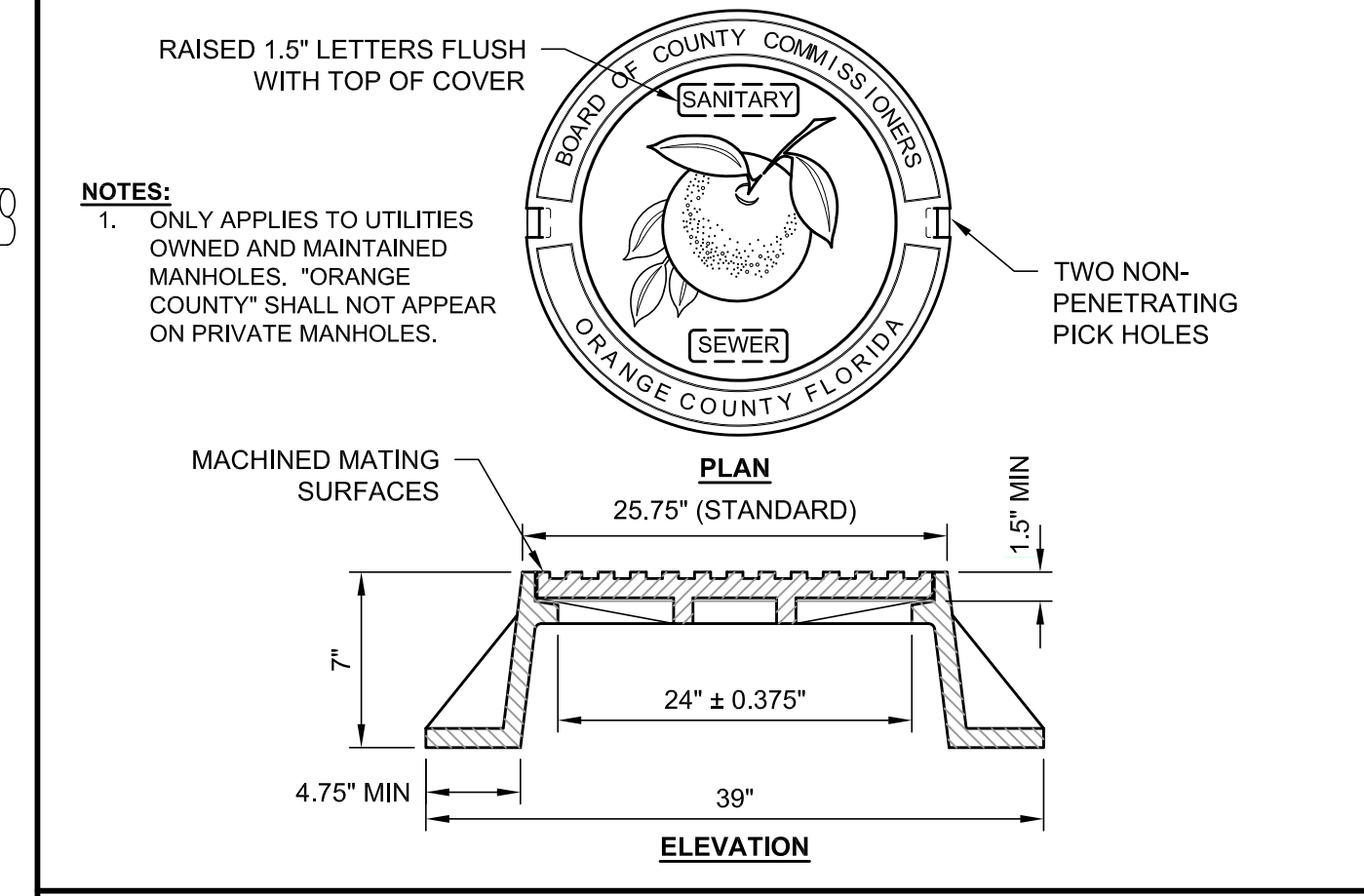
HORIZONTAL PIPELINE SEPARATION REQ.S
DATE: OCTOBER 10, 2021
FIGURE A116-1

HORIZONTAL SEPARATION REQUIREMENTS (NOTES 1 & 2)									
PROPOSED UTILITY	POTABLE WATER (NOTE 3)		RECLAIMED WATER MAIN (SEE NOTE 7)		WASTEWATER FORCEMAIN		SANITARY SEWER	STORM SEWER	STRUCTURAL FOUNDATION, WALLS, ETC. (SEE NOTE 8)
	4"-12"	16"-UP	4"-12"	16"-UP	4"-12"	16"-UP	ALL SIZES	ALL SIZES	ALL SIZES
POTABLE WATER (NOTE 3)	4"-12"	3'	5'	3'	5'	6'	6'	3'	10'
	16"-UP	5'	5'	5'	5'	6'	6'	5'	15' (NOTE 5)
RECLAIMED WATER MAIN (SEE NOTE 7)	4"-12"	3'	5'	3'	5'	3'	5'	3'	10'
	16"-UP	5'	5'	5'	5'	5'	5'	5'	15' (NOTE 5)
WASTEWATER FORCEMAIN	4"-12"	6'	6'	3'	5'	3'	5'	3'	10'
	16"-UP	6'	6'	5'	5'	5'	5'	5'	15' (NOTE 5)
SANITARY SEWER	ALL SIZES	6'	6'	3'	5'	3'	5'	5'	VARIES PER DEPTH

NOTES:

- DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. FOR PIPES INSTALLED AT GREATER DEPTHS THAN THE MINIMUM OCU DESIGN STANDARDS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
- THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES PRIOR TO INSTALLATION.
- NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
- PRESSURE MAINS 16-IN TO 24-IN MAY HAVE 10-FT SEPARATION FROM STRUCTURAL FOUNDATION, WALLS, ETC IF NEW MAINS ARE RESTRAINED FOR THE ENTIRE LENGTH.
- REFERENCE FIGURE A116-2 FOR VERTICAL PIPELINE SEPARATION REQUIREMENTS.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- ADDITIONAL SEPARATION SHALL BE REQUIRED BY UTILITIES FOR CONSTRUCTION OF, INCLUDING, BUT NOT LIMITED TO: LIVE LOADS, MULTI-STORY COMMERCIAL BUILDINGS, SUPERSTRUCTURES, EMBANKMENTS, RETAINING WALLS, BRIDGES, RAILROADS, HIGH VOLTAGE TRANSMISSION MAINS, GAS MAINS, ETC.

STANDARD MANHOLE FRAME & COVER
DATE: OCTOBER 10, 2021
FIGURE A305



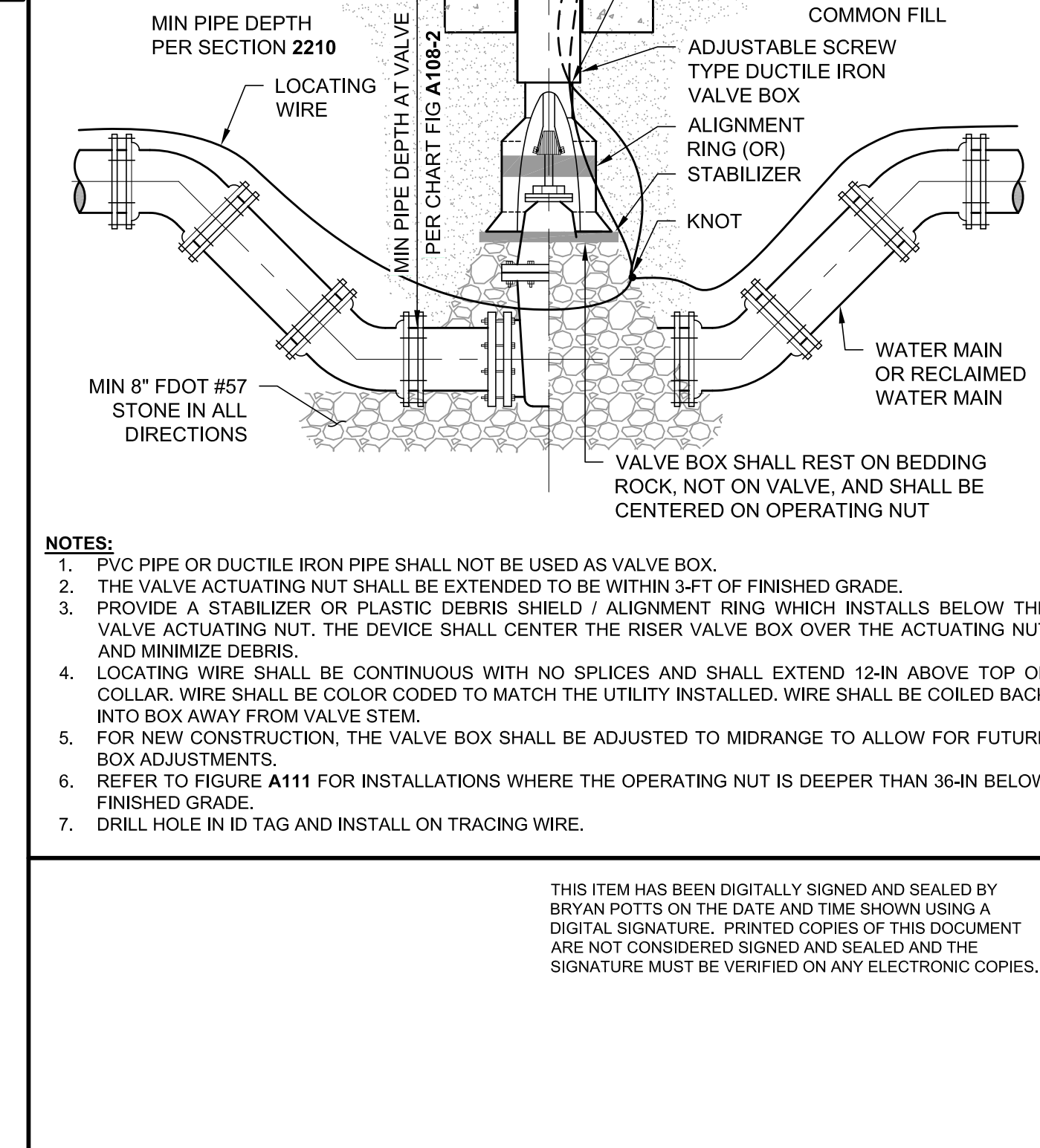
GATE VALVE & BOX - MINIMUM PIPE DEPTH
AT VALVE PER MANUFACTURER
DATE: OCTOBER 10, 2021
FIGURE A108-2

APPROVED APPENDIX D PRODUCTS VALVE SIZE (INCHES)	AMERICAN FLOW CONTROL	CLOW COMPANY	MUELLER COMPANY
	MIN COVER TO TOP OF PIPE (INCHES)	MIN COVER TO TOP OF PIPE (INCHES)	MIN COVER TO TOP OF PIPE (INCHES)
16	53	54	54
20	57	72	62
24	63	75	66
30	80	81	80
36	89	88	89
42	102	102	101
48	109	102	110
54	106		
60	122		
66	119		

NOTES:

- MINIMUM COVER OVER PIPE IS CALCULATED BASED ON INSTALLATION OF THE GATE VALVE OPERATING NUT AT 24-IN BELOW GRADE.
- ADDITIONAL DEPTH MAY BE REQUIRED BASED ON SITE CONDITIONS OR ROAD DESIGN.
- REFERENCE FIGURE A108-1 FOR TYPICAL GATE VALVE STANDARD DRAWING.

GATE VALVE & BOX - WATER MAINS
DATE: OCTOBER 10, 2021
FIGURE A108-1



DATE: 07/01/24
BY: BRP
ISSUED FOR PERMITTING
REVISIONS

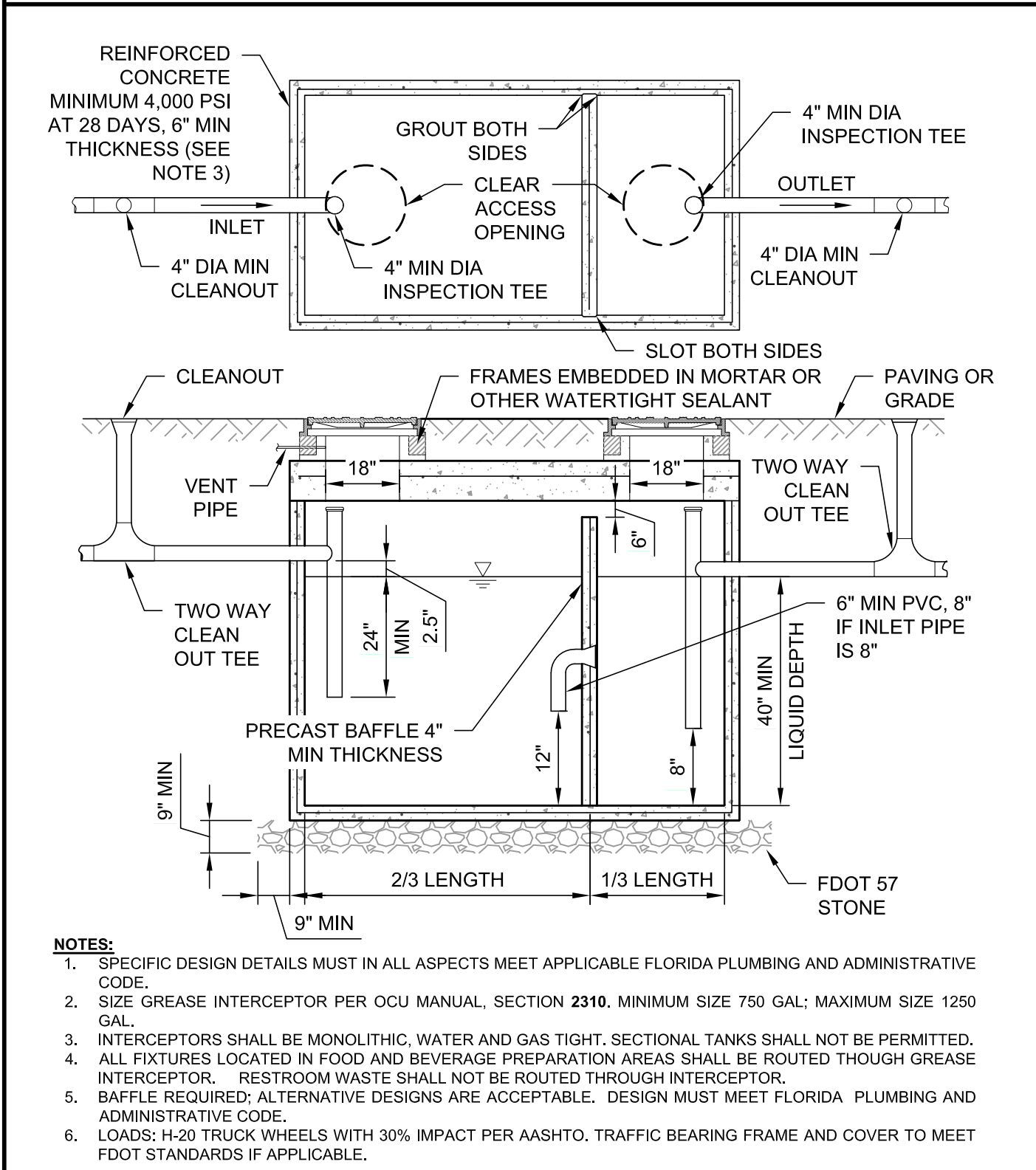
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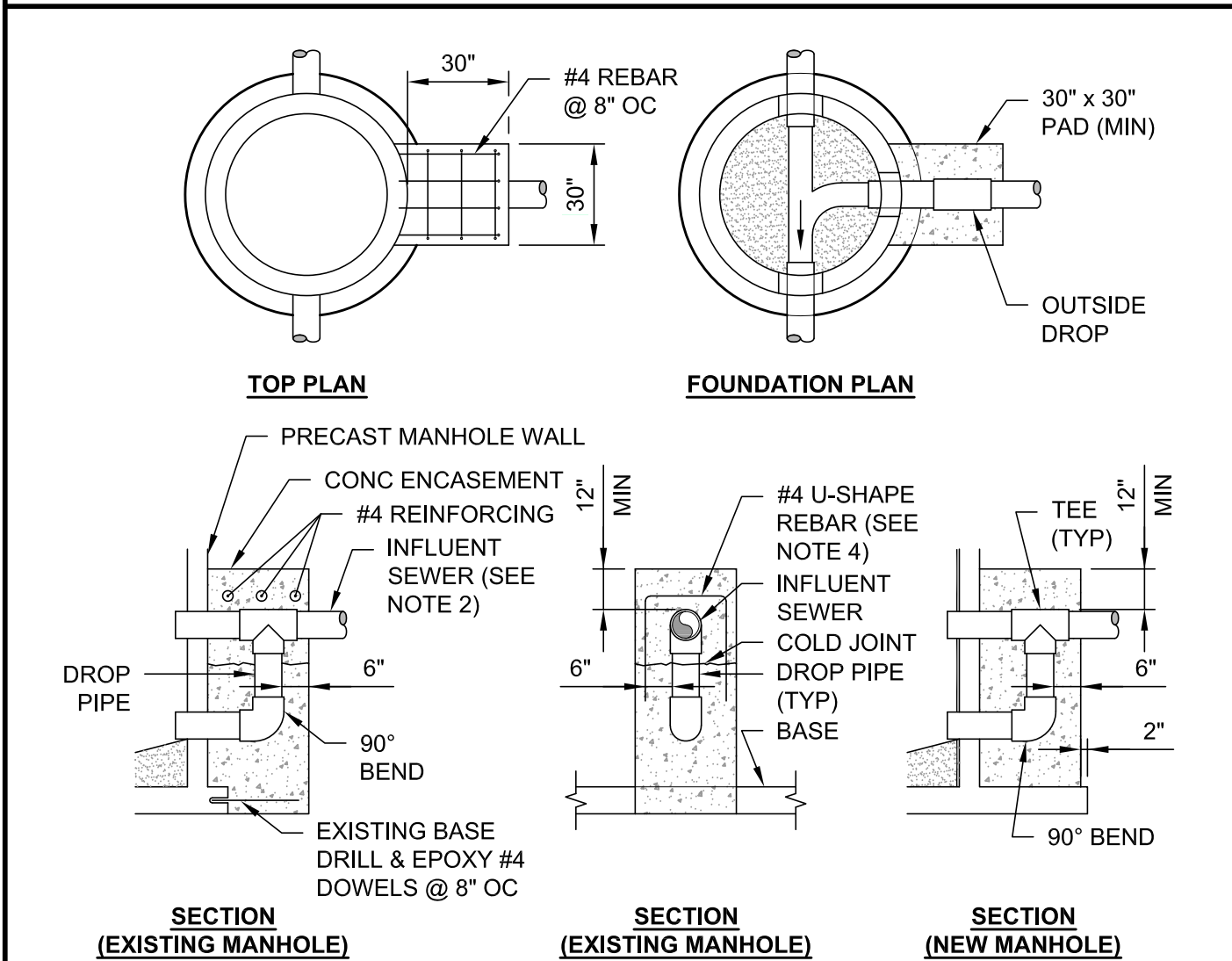
UTILITY DETAILS
SHOPPES AT LAKEVIEW
8810 SEIDEL ROAD
WINTER GARDEN, FLORIDA

DATE: 07/01/24
SCALE: NTS
DRAWN-BY: DDP
PROJECT NUMBER: 111-002
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SHEET NO.

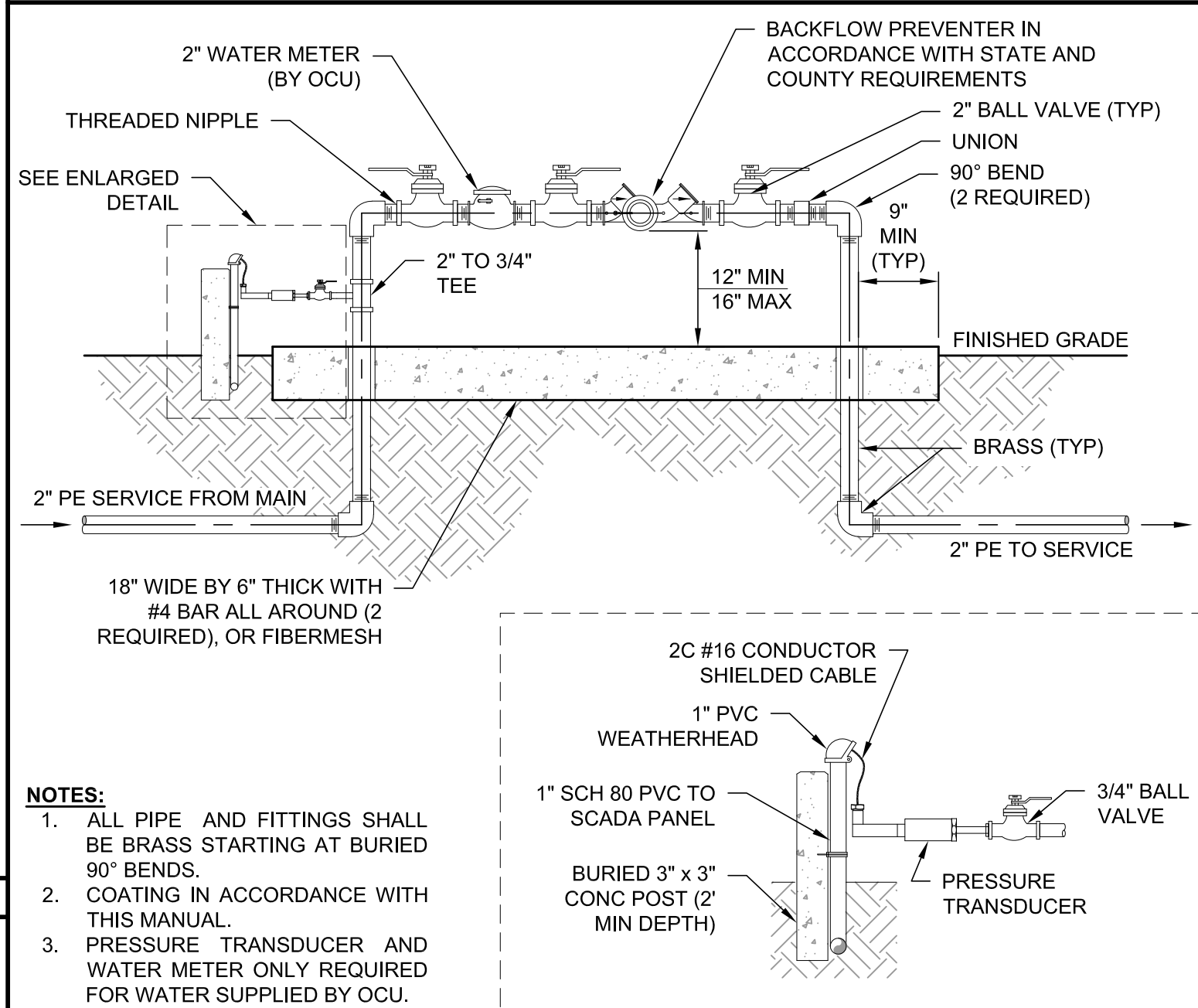
DATE: OCTOBER 10, 2021 GREASE INTERCEPTOR FIGURE A308-1



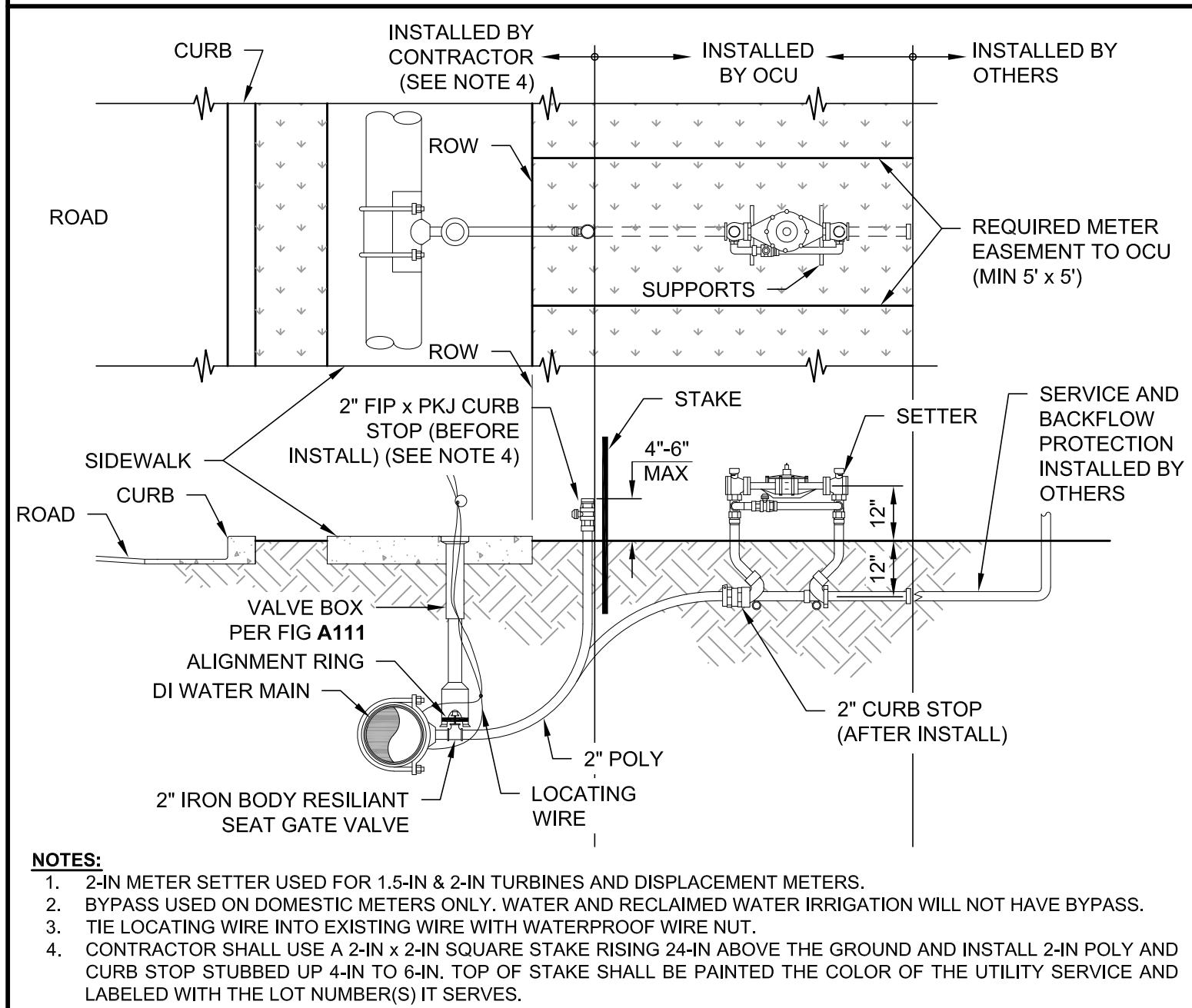
DATE: OCTOBER 10, 2021 GRAVITY MH CONNECTION - OUTSIDE DROP FIGURE A302-2



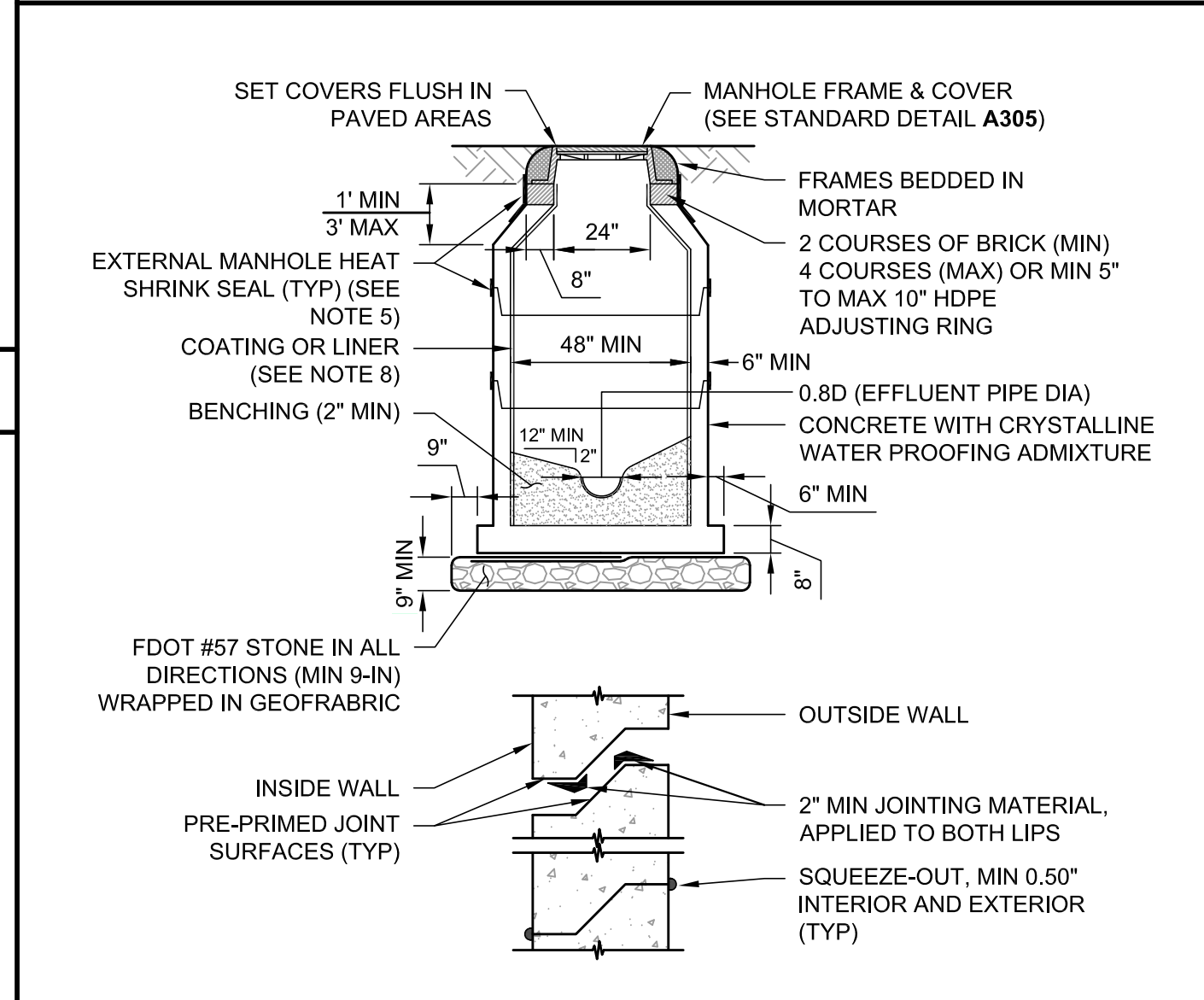
DATE: OCTOBER 10, 2021 OCU WATER PRESSURE GAUGE & REDUCED PRESSURE BACKFLOW PREVENTER, 2" FIGURE A409-1



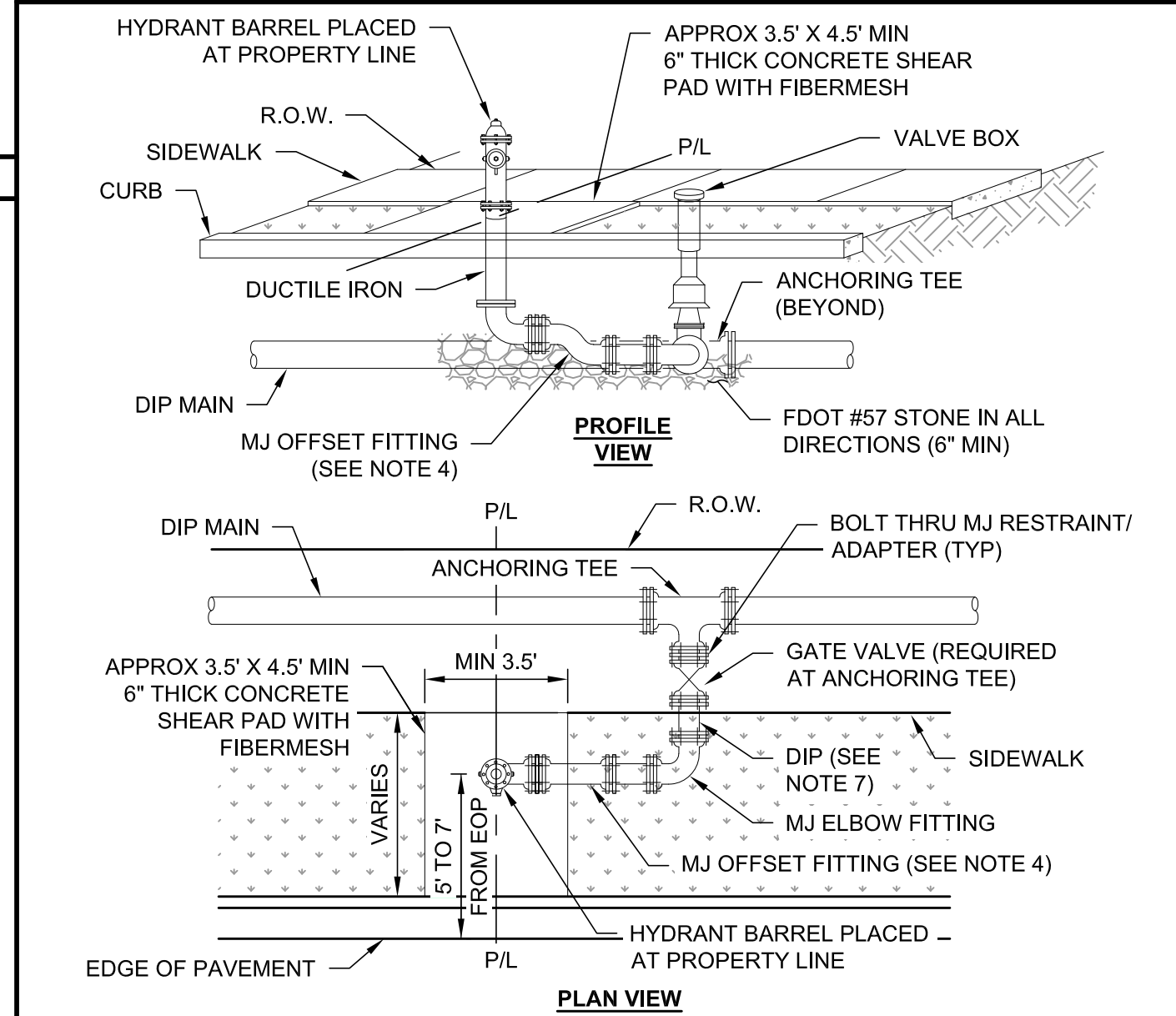
DATE: OCTOBER 10, 2021 METER INSTALLATION DETAIL - 1 1/2" & 2" FIGURE A130



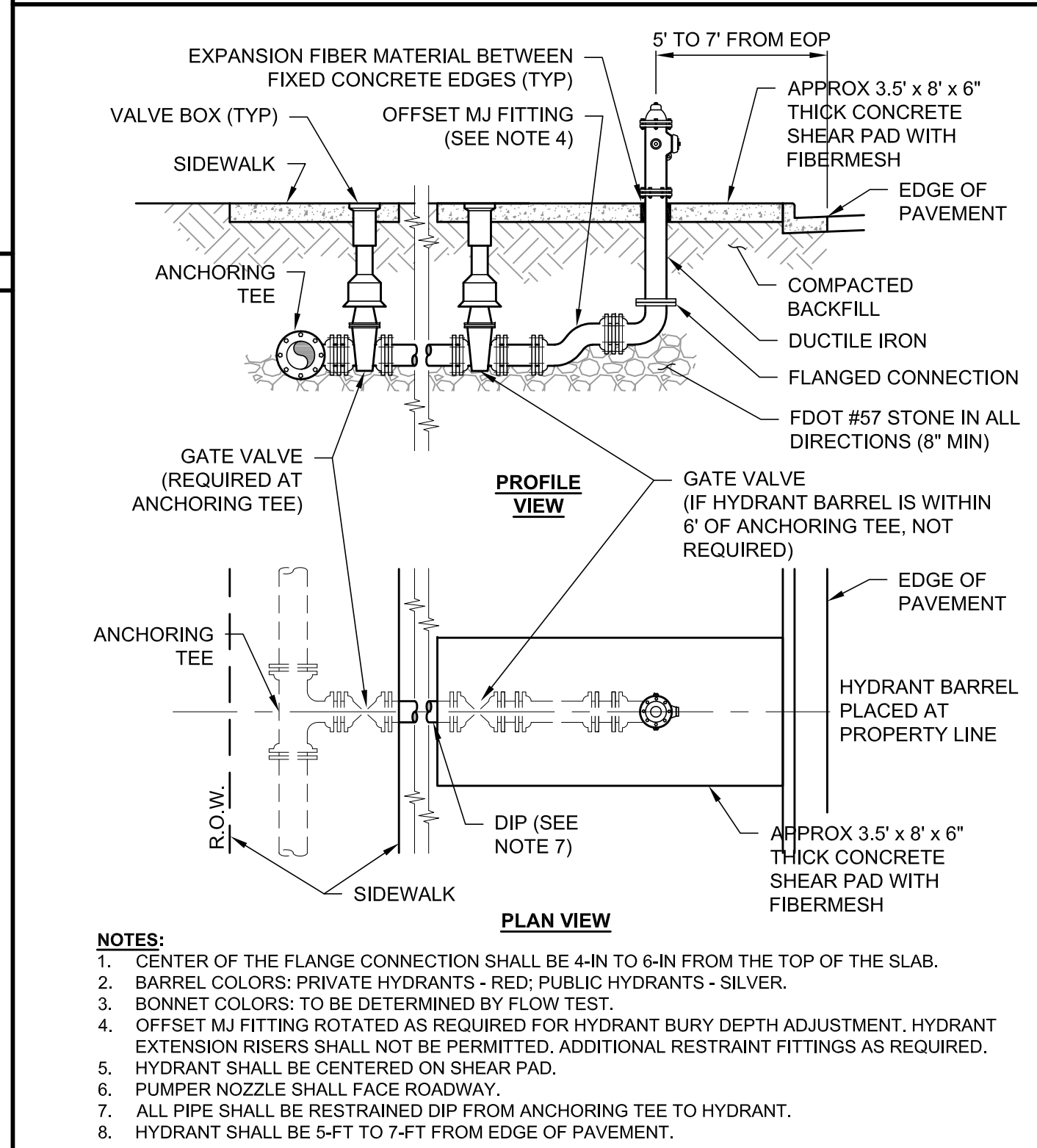
DATE: OCTOBER 10, 2021 PRECAST CONCRETE MANHOLE FIGURE A301



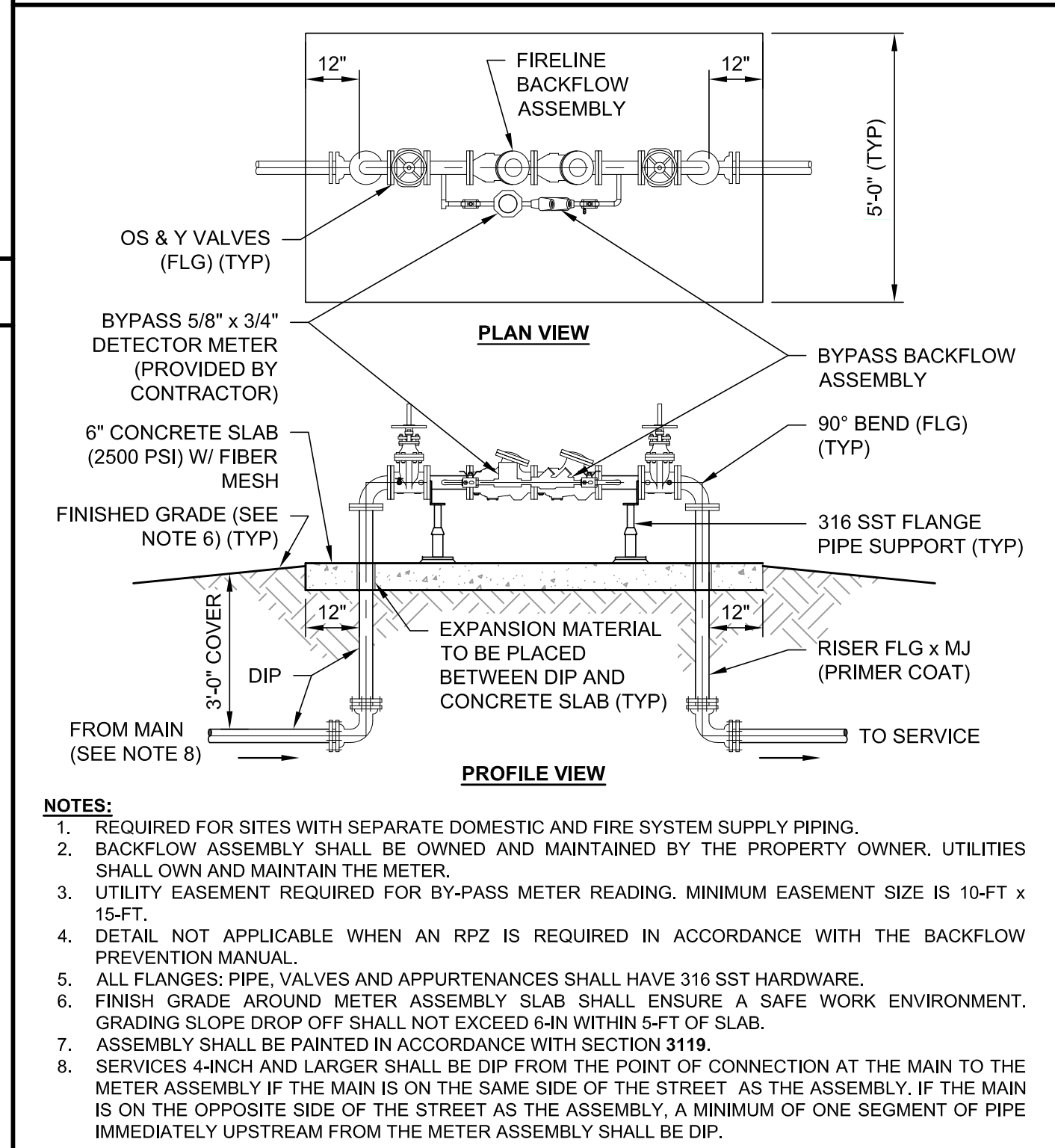
DATE: OCTOBER 10, 2021 FIRE HYDRANT ASSEMBLY (LIMITED SPACE CONFIGURATION) FIGURE A203-2



DATE: OCTOBER 10, 2021 FIRE HYDRANT ASSEMBLY (STANDARD CONFIGURATION) FIGURE A203-1



DATE: OCTOBER 10, 2021 DOUBLE DETECTOR CHECK VALVE ASSEMBLY FIGURE A202



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PROJECT NUMBER:	111-002
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SHEET NO.	

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