

GENERAL DEVELOPMENT INFORMATION

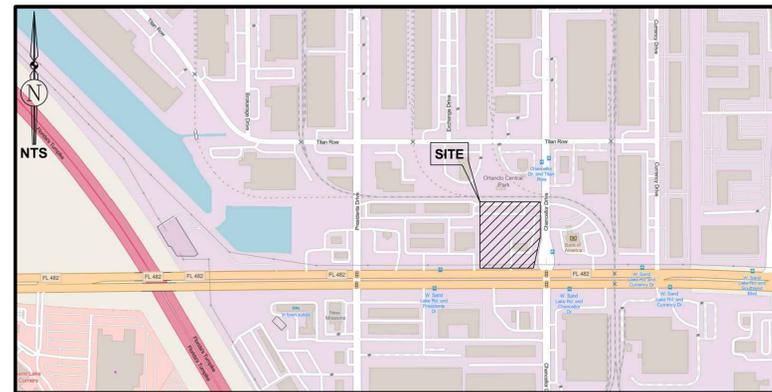
- PROPOSED NAME OF PROJECT:** U-HAUL STORAGE FACILITY - SKY LAKE
- PROJECT DESCRIPTION:** CONSTRUCTION OF A 23,744 SF U-HAUL STORAGE FACILITY WITH ASSOCIATED INFRASTRUCTURE IMPROVEMENTS
- OWNER/DEVELOPER:** U-HAUL COMPANY OF FLORIDA; CONTACT: CHRIS FERGUSON, (904) 449-2326
- CIVIL ENGINEER:** JLBROWN PROFESSIONAL GROUP INC.; CONTACT: JAMES LEE JONES III, PE, (352) 375-8999
- SURVEYOR:** SHANNON SURVEYING INC.; CONTACT: JAMES R. SHANNON, PLS, (407) 774-8372
- LOCATION MAP:** SEE MAP THIS SHEET
- TAX PARCEL NO.'S:** 28-23-29-6360-03-021, 28-23-29-6360-03-022
- PARCEL AREA:** 2.91 AC
- PROJECT AREA:** 2.91 AC
- SECTION:** 28
- TOWNSHIP:** 23
- RANGE:** 29
- FUTURE LAND USE:** INDUSTRIAL
- ZONING:** INDUSTRIAL (I-2/1-3)
- FLOODPLAIN:** THIS PROJECT IS NOT LOCATED IN A FEDERAL FLOOD ZONE.
- DEVELOPMENT DATA:**
 - TOTAL SITE AREA: 126,801 SF
 - BUILDING AREA: 23,744 SF
 - PAVEMENT AND SIDEWALK AREA: 23,539 SF
 - TOTAL IMPERVIOUS AREA: 47,283 SF
 - OPEN AREA: 79,518 SF
 - BASIN AREA: 50,387 SF
- PARKING REQUIREMENTS:**
 - PARKING REQUIRED
 - WAREHOUSE/STORAGE: 6 SPACES LOCATED AT OFFICE/ENTRANCE AREA, PLUS MINIMUM 25 FEET BETWEEN BUILDINGS FOR DRIVEWAY PARKING PURPOSES
 - TOTAL SPACES REQUIRED: 6 SPACES
 - PARKING PROVIDED: 6 SPACES INCLUDING 1 ADA SPACE
 - BIKE PARKING REQUIRED: FOR DEVELOPMENTS THAT REQUIRE UP TO 10 VEHICULAR PARKING SPACES, 2 BICYCLE PARKING SPACES SHALL BE REQUIRED
 - BIKE PARKING PROVIDED: 2 SPACES
- REQUIRED SETBACKS:**
 - PER I-2/1-3 ZONING CATEGORY, THE MINIMUM YARD REQUIREMENTS PER ORANGE COUNTY CODE OF ORDINANCES SECTION 38-981 ARE AS FOLLOWS:
 - FRONT YARD = 25 FT
 - SIDE YARD = 15 FT
 - REAR YARD = 10 FT
- CURRENT PROJECT NUMBER:** B23906938
- SITE WORK DATA:**
 - BUILDING HEIGHT = 49.17 FT
 - FLOOR AREA RATIO (FAR) = $\frac{\text{SQUARE FOOTAGE OF ALL 4 FLOORS}}{\text{PROPERTY SQUARE FOOTAGE}} = \frac{4(23,744)}{126,801} = 0.75$
- OPEN SPACE:**

CATEGORY	REQUIRED	PROVIDED	ADJUSTED VALUE	PERCENTAGE
CATEGORY A	0.11 AC	1.07 AC	1.07 AC	36.8%
CATEGORY B	0 AC	0.75 AC	0.38 AC	13.1%
CATEGORY C	0 AC	0 AC	0 AC	0%
TOTAL OPEN SPACE	0.44 AC	1.82 AC	1.45 AC	49.8%

CONSTRUCTION PLANS OF U-HAUL STORAGE FACILITY SKY LAKE FOR U-HAUL COMPANY OF FLORIDA



GENERAL STATEWIDE LOCATION MAP
NTS

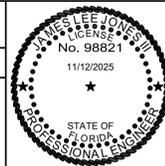


LOCATION MAP
NTS

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C1.0	DEMOLITION AND TREE PROTECTION PLAN
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REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US,
 email=james.jones@jbpro.com
 Date: 2025.11.12 12:21:18 -0500
 ENGINEER OF RECORD: **JAMES LEE JONES III, PE**
 FLORIDA LICENSE NO. 98821
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADJACENT TO THE SEAL.
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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SHEET TITLE: **COVER-SHEET**
 CLIENT: **U-HAUL COMPANY OF FLORIDA**
JACKSONVILLE, FLORIDA

DATE: **NOVEMBER 2025**
 PROJECT NO: **634-23-02**
 SHEET NO: **00**
 PROJECT: **U-HAUL STORAGE FACILITY**
SKY LAKE

ORANGE COUNTY GOVERNMENT
 FLORIDA
 PERMIT # **B23906938**
 DATE: **12/12/25**
 This document must be inspected for compliance with the current Florida Building Code and complying with the current Florida Building Code.

GENERAL CONSTRUCTION NOTES

- ORANGE COUNTY SHALL BE NOTIFIED 24 HOURS IN ADVANCE FOR INSPECTION OF PERTINENT STAGES OF CONSTRUCTION WITHIN THEIR R/W. SUCH STAGES INCLUDE SUBGRADE PREPARATION, LIMEROCK PLACEMENT, INSPECTION OF THE SWEPT LIMEROCK BASE PRIOR TO THE PLACEMENT OF ASPHALT, AND OTHERS AS REQUIRED FOR APPROVAL.
- IF UNDERDRAINS ARE NECESSARY, ORANGE COUNTY OR PROJECT GEOTECHNICAL TESTING COMPANY, DURING FIELD INSPECTION, SHALL DETERMINE THE EXACT LOCATION AND REQUIREMENTS. THE CONTRACTOR SHALL INSTALL UNDERDRAINS AS REQUIRED.
- WHERE SUBSOIL EXCAVATION IS REQUIRED, THE LIMITS OF EXCAVATION SHALL BE A MINIMUM OF 18" BELOW THE LIMEROCK BASE. EXACT LOCATIONS OF SUBSOIL EXCAVATION SHALL BE AS DIRECTED BY ORANGE COUNTY WITHIN THEIR R/W OR BY THE GEOTECHNICAL TESTING COMPANY WITHIN THE SITE LIMITS.
- CONTRACTOR SHALL DISPOSE OF SUBSOIL EXCAVATED MATERIALS (UNSUITABLE FOR FILL) OFF-SITE TO A PERMITTED LOCATION OR PER AN APPROVED DISPOSAL PLAN AND LOCATION SITE. DISPOSAL METHODS AND LOCATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND REQUIREMENTS.
- ALL ROADSIDE PUBLIC UTILITY EASEMENTS (PUE'S) ARE TO BE CLEARED AND GRUBBED.
- TRAFFIC CONTROL AND SIGNING FOR CONSTRUCTION WITHIN OR INTERSECTING EXISTING COUNTY OR STATE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH FDOT INDEX No 600 THRU 651 AND THE MUTCD, AS APPROPRIATE. WHERE POST MOUNTED SIGNS ARE REQUIRED, THE FIRST TWO WARNING SIGNS SHALL HAVE AN 18" x 18" ORANGE FLAG AND A TYPE B (HIGH INTENSITY, FLASHING) WARNING LIGHT OPERATING AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN THE WORK LIMITS OF ALL IMPROVEMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION. IN THE EVENT THAT A UTILITY CONFLICT OCCURS, CONTRACTOR SHALL NOTIFY JBPRO AND THE UTILITY PROVIDER TO COORDINATE REMEDIAL ACTION.
- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE SEEDDED, FERTILIZED, AND MULCHED UNLESS SODDING IS OTHERWISE SPECIFIED OR REQUIRED BY THE COUNTY.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATION GRADES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT WILL AFFECT FINISH GRADE DESIGN FOR PROPER RUNOFF CONDITIONS PRIOR TO CONSTRUCTION. JBPRO WILL ASSIST THE CONTRACTOR IN REVISING ANY GRADING DISCREPANCIES PRIOR TO CONSTRUCTION TO ASSURE PROPER GRADING AND RUNOFF CONDITIONS RESULT UPON COMPLETION OF CONSTRUCTION.

PAVING, GRADING AND DRAINAGE SPECIFICATIONS

- ALL DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTION TECHNIQUES, AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE FDOT FY 2025-26 STANDARD PLANS.
- ALL AREAS OF NEW CONSTRUCTION SHALL BE CLEARED AND GRUBBED. TOP SOIL REMAINING ONSITE MAY BE STOCKPILED FOR FINE GRADING IN LANDSCAPED AREAS, IF SUITABLE. THE CONTRACTOR SHALL FURNISH ALL FILL REQUIRED AND DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIAL OFFSITE IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS. TREES TO REMAIN SHALL BE PROTECTED PRIOR TO STARTING CONSTRUCTION AND SHALL BE PROTECTED THROUGHOUT SITE CONSTRUCTION.
- ALL PROPOSED UNDERGROUND UTILITY INSTALLATIONS WITHIN THE LIMITS OF ROADWAY SUBGRADE, INCLUDING STORMWATER, POTABLE WATER, WASTEWATER, GAS, ELECTRICAL CONDUIT, AND SLEEVES FOR FUTURE UTILITIES, SHALL BE INSTALLED PRIOR TO STABILIZATION OF THE ROADWAY SUBGRADE.
- ALL NEW ASPHALT PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 - EARTHWORK: FILL MATERIALS SHALL CONFORM TO AASHTO SOIL GROUPS A-1, A-2, A-3, OR A-4 AND SHALL BE PLACED IN 6" - 12" LOOSE LIFTS AND COMPACTED TO 95% DENSITY USING MODIFIED PROCTOR METHOD (AASHTO T-180).
 - SUBSOIL EXCAVATION: THE LIMITS OF SUBSOIL EXCAVATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. EXACT LOCATIONS OF SUBSOIL EXCAVATION SHALL BE AS DIRECTED BY THE ORANGE COUNTY OR THE GEOTECHNICAL ENGINEER.
 - STABILIZED SUBGRADE: ALL STABILIZED MATERIAL SHALL CONFORM TO FDOT SECTION 914 AND PLACED ACCORDING TO FDOT SECTION 160 IN ONE 12" MINIMUM COMPACTED LIFT. SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUE OF 40 PER DESIGN SECTION.
 - BASE COURSE: ALL MATERIAL SHALL BE LIMEROCK CONFORMING TO FDOT SECTION 911 AND PLACED ACCORDING TO FDOT SECTION 200 IN A SINGLE OR TWO EQUAL COMPACTED LIFTS (PER DESIGN SECTION). BASE MATERIAL SHALL BE COMPACTED TO 98% DENSITY BY MODIFIED PROCTOR METHOD (AASHTO T-180). THE PRIME COAT SHALL CONFORM TO FDOT SECTION 300.
 - ASPHALTIC CONCRETE: ALL ASPHALTIC CONCRETE MATERIAL SHALL BE TYPE SP STRUCTURAL COURSE (TYPE & THICKNESS PER DESIGN SECTION) AND SHALL CONFORM TO FDOT SECTION 334. ALL ASPHALTIC CONCRETE CONSTRUCTION SHALL CONFORM TO FDOT SECTION 330.
- ALL CONCRETE USED FOR CONSTRUCTION OF DRAINAGE STRUCTURES, SIDEWALKS, SPILLWAYS, CURBING, ETC. SHALL BE CLASS 1 CONFORMING TO FDOT SECTION 347.
- CONCRETE SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT SECTION 522.
- CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN CONFORMANCE TO FDOT SECTION 520.
- POLYPROPYLENE (PP) PIPE SHALL CONFORM TO FDOT SECTION 449.
- CORRUGATED POLYETHYLENE (CPE) PIPE SHALL CONFORM TO SECTION 948-2.
- HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO SECTION 948-2.3.
- REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO SECTION 449-4.
- CPE, HDPE, PP, AND RCP ARE INTERCHANGEABLE STORM PIPE MATERIALS AS APPROVED BY THE CITY OF GAINESVILLE.
- ALL SLOPES OF 4:1 OR GREATER SHALL BE SODDED.

STORMWATER MAINTENANCE NOTES

- MAINTENANCE RESPONSIBILITY:**
U-HAUL CO OF FLORIDA WILL BE THE ENTITY RESPONSIBLE FOR THE ONSITE STORMWATER CONVEYANCE SYSTEM, AND THIS IS THE ENTITY RESPONSIBLE FOR THE MAINTENANCE OF THE MASTER STORMWATER MANAGEMENT SYSTEM. ORANGE COUNTY IS THE ENTITY RESPONSIBLE FOR MAINTAINING THE STORMWATER MANAGEMENT SYSTEM WITHIN THE COUNTY RIGHT-OF-WAY.
- MAINTENANCE PLAN:**
 - STORMPIPES AND DRAINAGE STRUCTURES SHALL BE INSPECTED SEMI-ANNUALLY FOR STRUCTURAL SOUNDNESS AND OPERATIONAL FUNCTION. ANY DEFECTS DISCOVERED SHOULD BE REPAIRED TO ORIGINAL DESIGN CONDITION.
 - ANY LANDSCAPING PROVIDED FOR EROSION CONTROL SHALL BE MAINTAINED IN A SOUND CONDITION AT ALL TIMES AND SHALL BE REMOVED OR REPLACED IF NOT FUNCTIONING PROPERLY.

NPDES EROSION AND SEDIMENTATION CONTROL PERMITTING NOTES

- THE CONTRACTOR IS REQUIRED TO FILE THE FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP) NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) (RULE 62-621.300(4), F.A.C.). CONSTRUCTION ACTIVITY SHALL NOT COMMENCE PRIOR TO OBTAINING AN ACKNOWLEDGEMENT LETTER FROM FDEP VERIFYING THE NOI IS COMPLETE. THE PROJECT IS COVERED BY THE GENERIC PERMIT, AND THE PROJECT IDENTIFICATION NO. IS ESTABLISHED. CONTRACTOR SHALL PROVIDE THE EOR AND PROPERTY OWNER WITH A COPY OF THE FDEP ACKNOWLEDGEMENT LETTER VERIFYING COVERAGE.
- THE CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND CGP AT ALL TIMES THROUGHOUT CONSTRUCTION, AND UTILIZE ALL APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFFSITE DURING CONSTRUCTION.
- EROSION AND SEDIMENTATION CONTROL BMP'S SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, OR LATEST UPDATE. THE CONTRACTOR IS RESPONSIBLE TO UTILIZE ALL BMP'S, AS NECESSARY THROUGHOUT CONSTRUCTION, AND MAY UTILIZE MULTIPLE BMP'S OR OTHER MEANS AND METHODS DEEMED APPROPRIATE TO CONTROL EROSION AND SEDIMENTATION DISCHARGE.
- THE CONTRACTOR SHALL UTILIZED A STATE OF FLORIDA CERTIFIED EROSION & SEDIMENTATION CONTROL (ESC) INSPECTOR DURING CONSTRUCTION TO ABIDE BY THE TERMS OF THE NOI PERMIT COVERAGE. AT A MINIMUM THE CERTIFIED INSPECTOR SHALL INSPECT ALL DISCHARGE POINTS, DISTURBED AREAS, MATERIAL STORAGE AREAS, STRUCTURAL CONTROLS AND CONSTRUCTION ENTRANCES/EXITS AT LEAST ONCE EVERY SEVEN (7) DAYS AND AFTER EVERY 1/2 INCH OR GREATER STORM EVENT. MAJOR OBSERVATIONS AND INCIDENTS OF NON-COMPLIANCE SHOULD BE RECORDED IN THE INSPECTION REPORT, AS WELL AS CORRECTIVE ACTIONS AND MAINTENANCE. UNLESS ADVISED OTHERWISE, MAINTENANCE MUST OCCUR WITHIN SEVEN (7) CALENDAR DAYS OF THE INSPECTION. THESE INSPECTIONS MUST BE DOCUMENTED AND SIGNED BY A QUALIFIED INSPECTOR AS DEFINED BY THE CGP. THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE PLAN AND THE CGP. THE REPORTS DO NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
- UPON SATISFACTORY COMPLETION OF THE PROJECT CONSTRUCTION AND SITE STABILIZATION, THE CONTRACTOR SHALL FILE THE NPDES STORMWATER NOTICE OF TERMINATION (NOT) (RULE 62-621.300(6), F.A.C.) WITH FDEP. THE PERMIT COVERAGE IS DEEMED COMPLETE WHEN ALL SOIL DISTURBING CONSTRUCTION ACTIVITIES ARE COMPLETE AND STABILIZATION OF ALL DISTURBED OPEN AREAS HAVE REACHED AT LEAST 70% VEGETATIVE COVER OR OTHER PERMANENT STABILIZATION IS IN PLACE. A COPY OF THE NOT SHALL BE PROVIDED TO THE EOR AND PROPERTY OWNER.

GEOTECHNICAL TESTING GENERAL NOTE

- THE CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR PROVIDING GEOTECHNICAL TESTING FOR EACH SPECIFIED DESIGN COURSE, SUBGRADE, BASE COURSE, AND PAVEMENT. TESTING REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE ORANGE COUNTY PUBLIC SERVICES CONSTRUCTION AND INSPECTION STANDARDS AND FDOT CONSTRUCTION AND INSPECTION STANDARDS. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL OF CONFORMANCE TO DESIGN SPECIFICATIONS PRIOR TO CONSTRUCTION OF THE SUBSEQUENT COURSE.
- TESTING REPORTS WITH GEOTECHNICAL TESTING RESULTS SHALL DENOTE THE TESTING LOCATIONS.

REQUIRED SUBMITTALS

- PRIOR TO CONSTRUCTION INSTALLATION OF SPECIFIC WORK SCOPE ITEMS THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTAL INFORMATION TO THE EOR FOR REVIEW AND APPROVAL. THESE SUBMITTALS SHALL INCLUDE SOURCE PROVIDER, MANUFACTURER LITERATURE, CUT SHEETS, DIMENSIONED DRAWINGS, FABRICATION DRAWINGS, SKETCHES, DETAILS AND ANY OTHER INFORMATION NECESSARY FOR THE EOR TO REVIEW AND APPROVE AS TO COMPLIANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS.
- MATERIALS SHALL NOT BE DELIVERED ONSITE OR INSTALLED UNTIL SUBMITTAL APPROVAL IS PROVIDED BY THE EOR OR EOR'S REPRESENTATIVE.
- CONTRACTOR IS RESPONSIBLE FOR ANY COST INCURRED TO REVISE ANY WORK COMPLETED PRIOR TO SUBMITTAL APPROVAL. THE OWNER OR EOR ARE NOT RESPONSIBLE FOR COSTS INCURRED IF ANY MATERIALS ARE PURCHASED, DELIVERED OR INSTALLED PRIOR TO SUBMITTAL REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL PROVIDE A LIST OF SUB-CONTRACTORS THAT WILL BE PERFORMING ANY PHASES OF WORK ON THE PROJECT. THE LIST SHALL INCLUDE NAME OF COMPANY, ADDRESS, PHONE NUMBERS, AND EMAIL ADDRESSES OF INDIVIDUALS RESPONSIBLE FOR THE SUB-CONSULTANT WORK EFFORT AND THE CONTACT INFORMATION FOR THE INDIVIDUALS IN RESPONSIBLE CHARGE OF PERFORMING THE WORK IN THE FIELD.

WORK WITHIN THE COUNTY RIGHT-OF-WAY

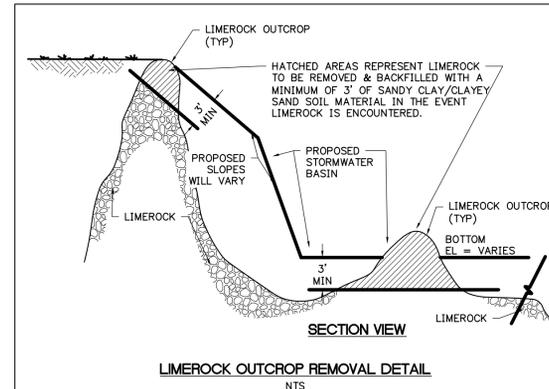
- THE METHOD AND MANNER OF PERFORMING THE WORK AND THE QUALITIES OF MATERIAL FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY ORANGE COUNTY FOR WORK WITHIN THEIR RESPECTIVE RIGHT-OF-WAYS.
- TRAFFIC CONTROL WITHIN EXISTING R/W SHALL BE IN ACCORDANCE WITH LATEST MUTCD OR FDOT STANDARDS FOR CONTROL OF TRAFFIC THROUGH WORK ZONES.
- NO WORK SHALL BE DONE NOR MATERIALS USED IN THE RIGHT-OF-WAY WITHOUT INSPECTION BY THE COUNTY. THE CONTRACTOR SHALL FURNISH THE COUNTY WITH EVERY REASONABLE FACILITY FOR ASCERTAINING WHETHER THE WORK PERFORMED AND MATERIALS USED ARE IN ACCORDANCE WITH THE REQUIREMENTS AND INTENT OF THE PLANS AND SPECIFICATIONS.
- ORANGE COUNTY RESERVES THE RIGHT TO MODIFY THE PROPOSED WORK WITHIN THEIR RIGHT-OF-WAY TO ENSURE COMPATIBILITY WITH EXISTING IMPROVEMENTS. SUCH MODIFICATION COSTS SHALL BE BORN BY THE CONTRACTOR.
- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE SEEDDED UNLESS SODDING IS OTHERWISE SPECIFIED. SODDING IS REQUIRED ON ALL SLOPES 4:1 OR STEEPER.
- ALL WORK WITHIN OR ON ORANGE COUNTY OWNED AND MAINTAINED FACILITIES, ROW OR EASEMENTS WILL REQUIRE AS-BUILT PLANS. AS-BUILT PLANS SHOULD SHOW THE CONSTRUCTED CONDITIONS OF THE COUNTY OWNED OR MAINTAINED AREA AND SHALL BE PER FDOT STANDARDS AND PROCEDURES AND BE PERFORMED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER.
- INSTALLATION OR CONSTRUCTION OF MAILBOXES, PRIVATE IRRIGATION PIPING, OR PRIVATE UTILITY CHASES, ETC. IN PUBLIC RIGHT OF WAYS UNDER COUNTY OWNERSHIP SHALL REQUIRE A RIGHT OF WAY USE PERMIT PRIOR TO BEGINNING.

WORK WITHIN FDOT RIGHT-OF-WAY

- ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LATEST EDITIONS OF THE FDOT DESIGN STANDARDS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2017 UTILITY ACCOMMODATIONS MANUAL.
- PERMITEE SHALL CONTACT ORLANDO OPERATIONS AT (321) 319-8100 TO PROVIDE START NOTICE AT LEAST TWO BUSINESS DAYS PRIOR TO STARTING WORK.
- SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS THE ENGINEER/APPLICANT SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY.
- ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
- REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES/SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER FDOT STANDARDS.
- ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
- ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
- ALL CURB AND GUTTER AND SIDEWALK WILL BE REMOVED AND REPLACED JOINT TO JOINT.
- ALL DISTURBED AREA WITH THE DEPARTMENT'S RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS).
- BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN FDOT RIGHT-OF-WAY.
- ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
- CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC PLAN AND SUBMIT TO FDOT PRIOR TO CONSTRUCTION COMMENCING.
- THE GOVERNING PUBLICATIONS FOR MAINTENANCE OF TRAFFIC ARE THE CURRENT FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 600 AND THE CURRENT FDOT STD. SPEC. FOR ROADWAY & BRIDGE CONST., SECTION 102, AND THE LATEST EDITION OF THE MUTCD.

BASIN LIMEROCK OUTCROP CONSTRUCTION NOTES

- IN THE EVENT THAT LIMEROCK OUTCROP IS ENCOUNTERED DURING CONSTRUCTION OF THE RETENTION BASINS, THE FOLLOWING TREATMENT SHALL BE PERFORMED. THE LIMEROCK OUTCROP SHALL BE EXCAVATED TO AN ELEVATION OF THREE (3) FEET BELOW THE DESIGN BASIN BOTTOM. THE EXCAVATED AREA SHALL BE BACKFILLED TO THE DESIGN BASIN BOTTOM ELEVATION WITH CLAYEY-SAND/SANDY-CLAY (AASHTO SOIL GROUP - A2) SOILS. A MIXTURE OF THE BACKFILL MATERIAL SHALL BE PLACED IN SIX INCH LIFTS AND ROLLED WITH HEAVILY LOADED RUBBER Tired EQUIPMENT. BOTH SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND ORANGE COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN LIMEROCK OUTCROPS ARE ENCOUNTERED AND PRIOR TO COMMENCING REMEDIAL ACTION.
- IN THE EVENT THAT ANY KARST FEATURES SUCH AS SOLUTION CAVITIES, CHIMNEYS, OR SINKHOLES APPEAR IN THE RETENTION BASIN, THE FOLLOWING ACTIONS SHALL BE REQUIRED.
 - THE CIVIL ENGINEER, THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, AND ORANGE COUNTY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED WHEN THE FEATURE IS ENCOUNTERED PRIOR TO REMEDIAL ACTION.
 - A LICENSED GEOTECHNICAL ENGINEERING FIRM SHALL BE RETAINED TO EVALUATE THE SIGNIFICANCE OF THE FEATURE AND TO DETERMINE THE REMEDIAL ACTION NECESSARY. SEE SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL.
 - THE GEOTECHNICAL ENGINEERING FIRM SHALL BE REQUIRED TO MONITOR THE REMEDIAL WORK AND SEND A SUMMARY REPORT UPON REPAIR COMPLETION TO THE CIVIL ENGINEER, THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, AND ORANGE COUNTY PUBLIC WORKS DEPARTMENT.



STANDARD ABBREVIATIONS

AC	ACRES	MAX	MAXIMUM
ADJ	ADJACENT	MES	MITERED END SECTION
ALUM	ALUMINUM	MH	MANHOLE
APT	APARTMENT	MIN	MINIMUM
ASPH	ASPHALT	MO	MONTH
B&J	BORE & JACK	N	NORTH
BC	BACK OF CURB	N/A	NOT APPLICABLE
BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE	NE	NORTH EAST
BLDG	BUILDING	NG	NATURAL GRADE
BM	BENCHMARK	NIC	NOT IN CONTRACT
BOP	BEGINNING OF PROFILE	NO	NUMBER
BSL	BUILDING SETBACK LINE	NTS	NOT TO SCALE
C&G	CURB & GUTTER	NW	NORTH WEST
CATV	CURVE ONE	OC	ON CENTER
CET	CABLE TELEVISION	OCU	ORANGE COUNTY UTILITIES
CF	CURB END TAPER	OUC	ORLANDO UTILITIES COMMISSION
CF	CUBIC FEET	PCPE	PERFORATED CORRUGATED POLYETHYLENE PIPE
CI	CAST IRON	PPE	PERMANENT POOL ELEVATION
CIP	CAST-IN-PLACE	PP	POLYETHYLENE
CL	CENTER LINE	PE	POLYPROPYLENE
CLF	CHAIN LINK FENCE	POB	POINT OF BEGINNING
COE	CORRUGATED METAL PIPE	POE	POINT OF ENDING
CMPA	CORRUGATED METAL PIPE ARCHED	PL	PROPERTY LINE
CMU	CONCRETE MASONRY UNIT	PRVT	PRIVATE
CO	CLEAN OUT	PRI	PRIMARY
COMM	COMMUNICATIONS	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PT	PRESSURE TREATED (NON ARSENIC)
CPE	CORRUGATED POLYETHYLENE PIPE	PUD	PLANNED URBAN DEVELOPMENT
CY	CUBIC YARD	PVI	POINT OF VERTICAL INTERSECTION
DBI	DITCH BOTTOM INLET	PVC	POLYVINYL CHLORIDE
DCBP	DOUBLE CHECK BACKFLOW PREVENTER	PVMT	PAVEMENT
DEG	DEGREES	P&P	PLAN & PROFILE
DSHW	DESIGN HIGH WATER	R/W	RIGHT OF WAY
DI	DUCTILE IRON	R1'	ONE FOOT RADIUS
DIA	DIAMETER	RB	REACTION BLOCK
DIM	DIMENSION	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	REF	REFERENCE
DIST	DISTANCE	RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
E	EAST	REQ'D	REQUIRED
E/M	EASEMENT	RT	RIGHT
EL	ELEVATION	RW	RESILIENT WEDGE
ELEC	ELECTRIC	S	SOUTH
EOP	END OF PROFILE	S/W	SIDEWALK
EOR	ENGINEER OF RECORD	SE	SOUTH EAST
EP	EDGE OF PAVEMENT	SEC	SECONDARY
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	SF	SQUARE FEET
EX	EXISTING	SFWM	SOUTH FLORIDA WATER MANAGEMENT DISTRICT
FC	FACE OF CURB	SG	SWITCH GEAR
FDC	FIRE DEPARTMENT CONNECTION	SI	SURFACE INLET
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	SPA	SPACE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	SPT	STANDARD PENETRATION TEST
FF	FINISH FLOOR	SS	SANITARY SEWER
FG	FINISH GRADE	SSL	STAINLESS STEEL
FH	FIRE HYDRANT	ST	STORM
FL	FIRE LINE	ST	STREET
FL	FLOW LINE	STA	STATION
FM	FORCE MAIN	STD	STANDARD
FO	FIBER OPTIC	STL	STEEL
FP	FLOOD PLAIN	SW	SOUTH WEST
FPL	FLORIDA POWER & LIGHT	SY	SQUARE YARD
FT	FEET	TBC	TRAFFIC BEARING COVER
FUT	FUTURE	TBM	TEMPORARY BENCHMARK
GALV	GALVANIZED	TEL	TELEPHONE
GV	GATE VALVE	TFMR	TRANSFORMER
HC	HANDICAP	TV	TELEVISION
HDPE	HIGH DENSITY POLYETHYLENE	TW	TOP OF WALL
HORIZ	HORIZONTAL	TYP	TYPICAL
HP	HIGH POINT	UD	UNDER DRAIN
HR	HOUR	UTL	UTILITIES
INV	INVERT	VCP	VITRIFIED CLAY PIPE
IRR	IRRIGATION	VEH	VEHICLE
IRF	LINEAR FEET	W	WEST
L1	LINE ONE	W/	WITH
LAT	LATITUDE	W/WW	WATER/WASTEWATER
LBR	LIMEROCK BEARING RATIO	WM	WATER MAIN
LONG	LONGITUDE	WS	WATER SERVICE
LTG	LIGHT	WW	WASTEWATER
LP	LOW POINT	YR	YEAR
LT	LEFT		
MAINT	MAINTENANCE		

LEGEND

EST	EXISTING STORM SEWER LINE
EWV	EXISTING SANITARY SEWER LINE
EGAS	EXISTING GAS SERVICE LINE
ECATV	EXISTING CATV & TELEPHONE LINE
EUE	EXISTING UNDERGROUND ELECTRIC LINE
EWV	EXISTING WATER MAIN
76	EXISTING CONTOUR LINE
EXISTING FENCE	EXISTING FENCE
178.3	NATURAL GROUND SPOT ELEVATION
20 PI	EXISTING TREE TO REMAIN
20 PI	EXISTING TREE TO BE REMOVED
PROPOSED ASPHALT PAVEMENT	PROPOSED ASPHALT PAVEMENT
PROPOSED CONCRETE PAVEMENT	PROPOSED CONCRETE PAVEMENT
PROPOSED GRAVEL PAVEMENT	PROPOSED GRAVEL PAVEMENT
PROPOSED FINISH ELEVATION CONTOUR	PROPOSED FINISH ELEVATION CONTOUR
35.00	PROPOSED FINISH SPOT ELEVATION
PROPOSED DIRECTIONAL FLOW ARROW	PROPOSED DIRECTIONAL FLOW ARROW
DRAINAGE AREA DIVIDE	DRAINAGE AREA DIVIDE
PROPOSED SILT FENCE	PROPOSED SILT FENCE
PROPOSED TREE BARRICADE FENCE	PROPOSED TREE BARRICADE FENCE
PROPOSED CENTERLINE	PROPOSED CENTERLINE
PROPOSED STORM SEWER LINE	PROPOSED STORM SEWER LINE
PROPOSED WATER MAIN	PROPOSED WATER MAIN
PROPOSED PRIMARY ELECTRIC SERVICE CONDUIT	PROPOSED PRIMARY ELECTRIC SERVICE CONDUIT
PROPOSED SECONDARY ELECTRIC SERVICE CONDUIT	PROPOSED SECONDARY ELECTRIC SERVICE CONDUIT
PROPOSED CATV SERVICE	PROPOSED CATV SERVICE
PROPOSED SANITARY SEWER	PROPOSED SANITARY SEWER
PROPOSED PUE	PROPOSED PUE
PROPOSED DRAINAGE SWALE	PROPOSED DRAINAGE SWALE
RIGHT-OF-WAY	RIGHT-OF-WAY
PROPOSED ELECTRIC TRANSFORMER	PROPOSED ELECTRIC TRANSFORMER
PROPOSED STREET / PARKING LOT LIGHT	PROPOSED STREET / PARKING LOT LIGHT
PROPOSED PVC SANITARY SEWER SERVICE LATERAL WITH CLEANOUT	PROPOSED PVC SANITARY SEWER SERVICE LATERAL WITH CLEANOUT
PROPOSED WATER MAIN WITH SERVICE TAP & 2 WATER METERS	PROPOSED WATER MAIN WITH SERVICE TAP & 2 WATER METERS
PROPOSED WATER MAIN WITH SERVICE TAP & 1 WATER METER	PROPOSED WATER MAIN WITH SERVICE TAP & 1 WATER METER
PROPOSED WATER MAIN WITH FIRE HYDRANT ASSEMBLY	PROPOSED WATER MAIN WITH FIRE HYDRANT ASSEMBLY
PROPOSED WATER MAIN WITH BLOW-OFF ASSEMBLY & SAMPLE POINT	PROPOSED WATER MAIN WITH BLOW-OFF ASSEMBLY & SAMPLE POINT
PROPOSED WATER MAIN W/ GATE VALVE & BOX	PROPOSED WATER MAIN W/ GATE VALVE & BOX
EXISTING CONCRETE TO BE REMOVED	EXISTING CONCRETE TO BE REMOVED
EXISTING CURB TO BE REMOVED	EXISTING CURB TO BE REMOVED
GRAVEL FILTER BAG	GRAVEL FILTER BAG
SAWCUT LINE	SAWCUT LINE
CATEGORY A OPEN SPACE	CATEGORY A OPEN SPACE
CATEGORY B OPEN SPACE	CATEGORY B OPEN SPACE

REVISIONS			
NO.	DATE	DESCRIPTION	DRWN/ APPR

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US, o=unaffiliated,
 email=james.jones@jbpro.com
 Date: 2025.11.12 10:28:07 -0500

ENGINEER OF RECORD: **JAMES LEE JONES III, PE**
 FLORIDA LICENSE NO. 98821

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADVERTISED TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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SHEET TITLE: **LEGEND-ABBREVIATIONS-AND-NOTES**

CLIENT: **U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA**

PROJECT: **U-HAUL STORAGE FACILITY SKY LAKE**

DATE: **NOVEMBER 2025**

PROJECT NO: **634-23-02**

SHEET NO: **001**

ORANGE COUNTY DIVISION OF BUILDING SAFETY
 This document was prepared by the Building Safety Division for application, this does not constitute an official record of the Building Safety Division and is subject to change and omissions and complying with the current Florida Building Code

Permit # **B23906938**
 Date: **12/12/25**

STORMWATER POLLUTION PREVENTION PLAN

A. PROJECT NAME AND LOCATION

PROJECT NAME: U-HAUL STORAGE FACILITY – SKY LAKE
 LOCATION:
 ADDRESS: 2331 W SAND LAKE RD, ORLANDO, FL 32809
 SECTION: 28
 TOWNSHIP: 23
 RANGE: 29
 COUNTY: ORANGE
 LATITUDE: N28° 27' 4.9"
 LONGITUDE: W81° 24' 48.2"

B. SITE MAP

THE SITE MAP IS DEPICTED ON SHEET C2.0 DIMENSION SITE PLAN.

C. NATURE OF THE CONSTRUCTION ACTIVITY

THE PROJECT PROPOSES A 4 STORY 23,744 SF FOOTPRINT MAIN U-HAUL STORAGE FACILITY, ALONG WITH ASSOCIATED UTILITIES AND PARKING INFRASTRUCTURE.

D. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

1. INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES AND IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL PLAN.
2. EXCAVATION OF STORMWATER MANAGEMENT BASIN IMPROVEMENTS. STABILIZE BASIN SLOPES.
3. CLEARING AND GRUBBING OF PROPOSED ROAD RIGHT-OF-WAY AND UTILITY EASEMENTS AND BUILDING PAD AREAS.
4. SITE GRADING.
5. INSTALLATION OF STORM SEWER, SANITARY SEWER, AND UTILITIES.
6. ROAD AREA SUBGRADE.
7. CONSTRUCTION OF CURB AND GUTTER.
8. ROAD AREA BASE.
9. FINISHED GRADING OF LOT BUILDING PADS, LOT GRADING, AND STABILIZATION OF THE SITE.
10. ASPHALT PAVING.
11. INSTALLATION OF SIDEWALKS.
12. FINAL GRASSING AND LANDSCAPING.
13. CLEANING SEDIMENT FROM STORM SEWER SYSTEM AND BASIN OUTFALL.

E. TOTAL AREA OF THE PROJECT SITE: 2.91± ACRES

F. TOTAL AREA OF THE SITE TO BE DISTURBED: 2.91± ACRES

G. SOIL TYPES AND WATER TABLE

1. SOILS ARE CONSTANT, PRIMARILY CONSISTING OF FINE SAND AND SLIGHTLY SILTY FINE SAND.
2. SOIL CONDITIONS ACROSS THE SITE ARE RELATIVELY CONSISTENT, WITH A FINE SAND DEPTH OF 35 FEET, WITH A CLAYEY FINE SAND BELOW THAT REACHING TO A DEPTH OF 15 FEET, TO BE FOLLOWED BY A CLAY AND SANDY CLAY LAYER TO A DEPTH OF 28 FEET.
3. ACCORDING TO THE ATLAS GEOTECHNICAL REPORT FOR THIS SITE, THE SOIL TYPES PRESENT IN THE PROJECT AREA ARE CLASSIFIED AS SMYRNA FINE SAND.
4. THE TYPICAL SEASONAL HIGH WATER TABLE IS EXPECTED TO BE 2 FEET TO 3 FEET BLS.

H. LOCATION AND DRAINAGE AREA FOR EACH DISCHARGE POINT

STORMWATER BASIN NO.	DRAINAGE AREA	LOCATION OF DISCHARGE POINT	RECEIVING WATERS
BASIN 1	1.73	S-06	BASIN 2
BASIN 2	1.40	S-08	W SAND LAKE ROAD R/W

I. CONTROLS

1. PRIOR TO SOIL DISTURBING ACTIVITIES THE CONTRACTOR SHALL INSTALL THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
2. THE CONTRACTOR SHALL CONTROL AND RESTRICT SITE ACCESS. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MATERIALS AT THE ACCESS POINT, AS REQUIRED, TO PREVENT MIGRATION OF ERODABLE MATERIALS OFFSITE, EITHER BY VEHICLE, WIND, OR STORM WATER TRANSPORT.
3. THE CONTRACTOR SHALL CONSTRUCT, INSTALL, AND STABILIZE STORM WATER BASINS. SITE GRADING SHALL DIRECT STORM WATER RUNOFF TO THESE FACILITIES DURING CONSTRUCTION AND PRIOR TO DISCHARGE FROM THE PROJECT SITE.
4. UPON INSTALLATION, THE CONTRACTOR SHALL PROTECT THE STORM AND SANITARY SEWER SYSTEMS WITH HAYBALES AND/OR FILTER FABRIC TO PREVENT DEBRIS AND SEDIMENTS FROM ENTERING THESE SYSTEMS.
5. THE CONTRACTOR SHALL UTILIZE TEMPORARY CONTROLS SUCH AS SEEDING, MULCHING, GEOTEXILES, WATERING, SOD STABILIZATION OR OTHER MEANS TO PREVENT EROSION OF EXPOSED SOILS FROM WIND, WATER, OR RAIN.

J. CONTROLS TO DIVERT STORMWATER FLOW DURING CONSTRUCTION

1. THE CONTRACTOR SHALL TAKE MEASURES TO INSURE STORM WATER RUNOFF DOES NOT LEAVE THE PROJECT SITE WITHOUT FIRST PASSING THROUGH A SEDIMENT BASIN TO ALLOW SETTLING OF SUSPENDED SOLIDS IN THE STORM WATER PRIOR TO DISCHARGE FROM THE PROJECT SITE.
2. THE CONTRACTOR SHALL INSTALL SILT FENCING AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
3. THE CONTRACTOR SHALL CONSTRUCT, INSTALL AND STABILIZE STORM WATER BASINS. SITE GRADING SHALL DIRECT STORM WATER RUNOFF TO THESE FACILITIES DURING CONSTRUCTION AND PRIOR TO DISCHARGE FROM THE PROJECT SITE.
4. THE CONTRACTOR SHALL USE SILT FENCING, TEMPORARY SWALES, EARTHEN DIKES, CHECK DAMS OR OTHER MEANS TO DIRECT STORM WATER RUNOFF TO TEMPORARY SETTLING BASINS OR STORM WATER BASINS DURING CONSTRUCTION.

K. TEMPORARY SEDIMENT BASINS

1. THE CONTRACTOR SHALL CONSTRUCT, INSTALL AND STABILIZE STORM WATER BASINS OR SUMP OUTFALLS. THE CONTRACTOR SHALL USE THESE FACILITIES AS TEMPORARY SEDIMENT BASINS DURING THE SITE CONSTRUCTION PHASE. SITE GRADING SHALL DIRECT STORM WATER RUNOFF TO THESE FACILITIES DURING CONSTRUCTION AND PRIOR TO DISCHARGE FROM THE PROJECT SITE.
2. THE CONTRACTOR SHALL CLEAN STORM WATER BASINS OF SILT AND SEDIMENT DEPOSITS AT THE END OF CONSTRUCTION AND DISPOSE OF THE MATERIALS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

L. PERMANENT STORMWATER MANAGEMENT CONTROLS

1. THE COMPLETED PROJECT WILL INCORPORATE AND MAINTAIN PERMANENT GRASSING, LANDSCAPING, AND/OR GROUND COVERS TO PROTECT SITE SOILS FROM EROSION AND TRANSPORT.
2. THE COMPLETED PROJECT HAS TWO (2) PERMANENT STORMWATER MANAGEMENT FACILITIES. ALL STORM WATER MANAGEMENT FACILITIES SHALL BE PERMITTED AND APPROVED BY ORANGE COUNTY AND SPWMD.

M. CONTROLS FOR SPECIAL POLLUTANTS

1. WASTE DISPOSAL: WASTE CONSTRUCTION MATERIALS, DEBRIS AND GARBAGE WILL BE PLACED IN APPROPRIATE CONTAINERS. THE CONTRACTOR SHALL DISPOSE OF THESE MATERIALS IN AN APPROPRIATE MANNER AND IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. NO WASTE MATERIALS SHALL BE BURIED ON SITE.
2. OFFSITE VEHICLE TRACKING: THE CONTRACTOR SHALL CONTROL AND RESTRICT SITE ACCESS. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MATERIALS AT THE VEHICLE ACCESS POINT, AS REQUIRED, TO PREVENT MIGRATION OF ERODABLE MATERIALS OFFSITE, EITHER BY VEHICLE, WIND OR STORM WATER TRANSPORT.
3. FERTILIZERS, HERBICIDES AND PESTICIDES: FLORIDA FRIENDLY FERTILIZERS AND PESTICIDES WILL BE USED AT A MINIMUM AND IN ACCORDANCE WITH THE MANUFACTURER'S SUGGESTED APPLICATION RATES. THE CONTRACTOR SHALL NOT STORE THESE ITEMS ON SITE.
4. TOXIC SUBSTANCES: THE CONTRACTOR SHALL NOT STORE FUELS, PAINT, CHEMICALS OR OTHER MATERIALS THAT ARE CONSIDERED TO BE TOXIC ON SITE. SHOULD THE CONTRACTOR DESIRE TO STORE SUCH MATERIALS ON SITE, THE CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN PLAN TO ADDRESS STORAGE, SPILL PREVENTION AND CLEANUP PRIOR TO STORING THE MATERIALS ON SITE.
5. OTHER: PORT-O-LETS OR OTHER TEMPORARY SANITATION FACILITIES SHALL BE LOCATED AWAY FROM THE INLET POINTS TO THE STORM SEWER SYSTEM AND AWAY FROM THE STORM WATER BASINS. THE CONTRACTOR SHALL NOT ALLOW VEHICLE MAINTAINANCE ON SITE.

N. MAINTENANCE PLAN

1. THE CONTRACTOR SHALL MAINTAIN PERMANENT AND TEMPORARY SEDIMENT AND EROSION CONTROL FEATURES IN ACCORDANCE WITH THE PLANS AND TECHNICAL SPECIFICATIONS.
2. SILT FENCING SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND ANY NECESSARY REPAIRS TO SHALL BE MADE IMMEDIATELY. THE CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM THE SILT FENCING WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE.
3. THE CONTRACTOR SHALL MAINTAIN THE SITE VEHICULAR ACCESS POINT TO PREVENT TO PREVENT MIGRATION OF ERODABLE MATERIALS OFFSITE, EITHER BY VEHICLE, WIND OR STORM WATER TRANSPORT.
4. THE CONTRACTOR SHALL INSPECT INLETS, MANHOLES AND OUTFALLS IMMEDIATELY AFTER EACH RAINFALL EVENT AND REPAIR THE CONTROLS NECESSARY TO PREVENT SILT AND SEDIMENTS FROM ENTERING THE STORM AND SANITARY SEWERS OR FROM DISCHARGING OFFSITE.
5. MULCH OR SOD THAT HAS WASHED OUT SHALL BE REPLACED IMMEDIATELY.
6. THE CONTRACTOR SHALL MAINTAIN ALL AREAS OF THE PROJECT SITE WITH PROPER EROSION AND SEDIMENT CONTROLS THROUGHOUT THE SITE CONSTRUCTION PERIOD OF THE PROJECT.

O. COMPLIANCE INSPECTIONS

1. QUALIFIED PERSONNEL WILL INSPECT ALL POINTS OF DISCHARGE, ALL DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN STABILIZED, ACTIVE CONSTRUCTION AREAS, VEHICULAR ACCESS POINTS AND ALL BEST MANAGEMENT PRACTICES AT LEAST ONCE EVERY 7 CALENDER DAYS OR WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER. AREAS OF THE PROJECT SITE THAT HAVE BEEN STABILIZED SHALL BE INSPECTED AT LEAST ONCE A MONTH. THESE INSPECTIONS SHALL CONTINUE UNTIL A NOTICE OF TERMINATION IS FILED.

P. NON-STORM WATER DISCHARGES

1. IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING CONSTRUCTION: FIRE FLOW TESTS OR FLUSHING, WATER FROM UTILITY LINE FLUSHING, PAVEMENT WASH WATER (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED) AND UNCONTAMINATED GROUNDWATER (FROM DEWATERING ACTIVITIES).
2. DEWATERING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NONCONTAMINATED SITE ACTIVITY.
3. IF NON-STORM WATER DISCHARGES DO OCCUR, WATERS SHOULD BE DIRECTED TO STORM WATER BASINS OR TEMPORARY BASINS PRIOR TO DISCHARGE FROM THE PROJECT SITE.
4. TURBID WATERS FROM STORM WATER PONDS SHALL NOT BE PUMPED OFFSITE OR DIRECTLY TO OFFSITE RECEIVING WATERS.
5. ANY PUMPED WATER FROM THE STORM WATER PONDS SHALL BE TREATED SO AS NOT TO ALLOW DISCHARGE OF POLLUTED WATERS FROM THE PROJECT SITE. TREATMENT OPTIONS INCLUDE SILT FENCES, SETTLING PONDS, PROPERLY USED FLOCCULATING AGENTS OR OTHER APPROPRIATE MEANS.

**CONSTRUCTION INSPECTION FORM
STORMWATER POLLUTION PREVENTION PLAN**
INSPECTION FREQUENCY: WEEKLY OR AFTER 0.50 INCHES OF RAIN

PROJECT NAME: U-HAUL STORAGE FACILITY – SKY LAKE
 OWNER: U-HAUL COMPANY OF FLORIDA
 CONTRACTOR:
 CONSTRUCTION MANAGER:

FORM INSTRUCTIONS: ENTER THE DATE OF THE INSPECTION. IF THE INSPECTED ITEM IS SATISFACTORY, INSERT A CHECK. IF THE INSPECTED ITEM IS UNSATISFACTORY, INSERT AN "X" AND DESCRIBE THE MAINTENANCE ACTIONS TAKEN TO CORRECT THE PROBLEM. THE INSPECTOR SHALL ENTER THEIR INITIALS. CREATE ADDITIONAL SHEETS IF NECESSARY.

INSPECTOR INFORMATION:

NAME _____ QUALIFICATION _____ DATE _____

THE ABOVE SIGNATURE ALSO SHALL CERTIFY THAT THIS FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES IF THERE ARE NOT ANY INCIDENTS OF NON-COMPLIANCE IDENTIFIED ABOVE.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

NAME (RESPONSIBLE AUTHORITY) _____ DATE _____

**CERTIFICATION STATEMENT
STORMWATER POLLUTION PREVENTION PLAN**

ALL CONTRACTOR(S) AND/OR SUB-CONTRACTOR(S) RESPONSIBLE FOR COMPLYING WITH THIS STORMWATER POLLUTION PREVENTION PLAN SHALL SIGN THE CERTIFICATION STATEMENT BELOW. MULTIPLE COPIES OF THIS CERTIFICATION STATEMENT MAY BE NECESSARY DEPENDING ON THE NUMBER OF SUB-CONTRACTORS ASSOCIATED WITH THE PROJECT.

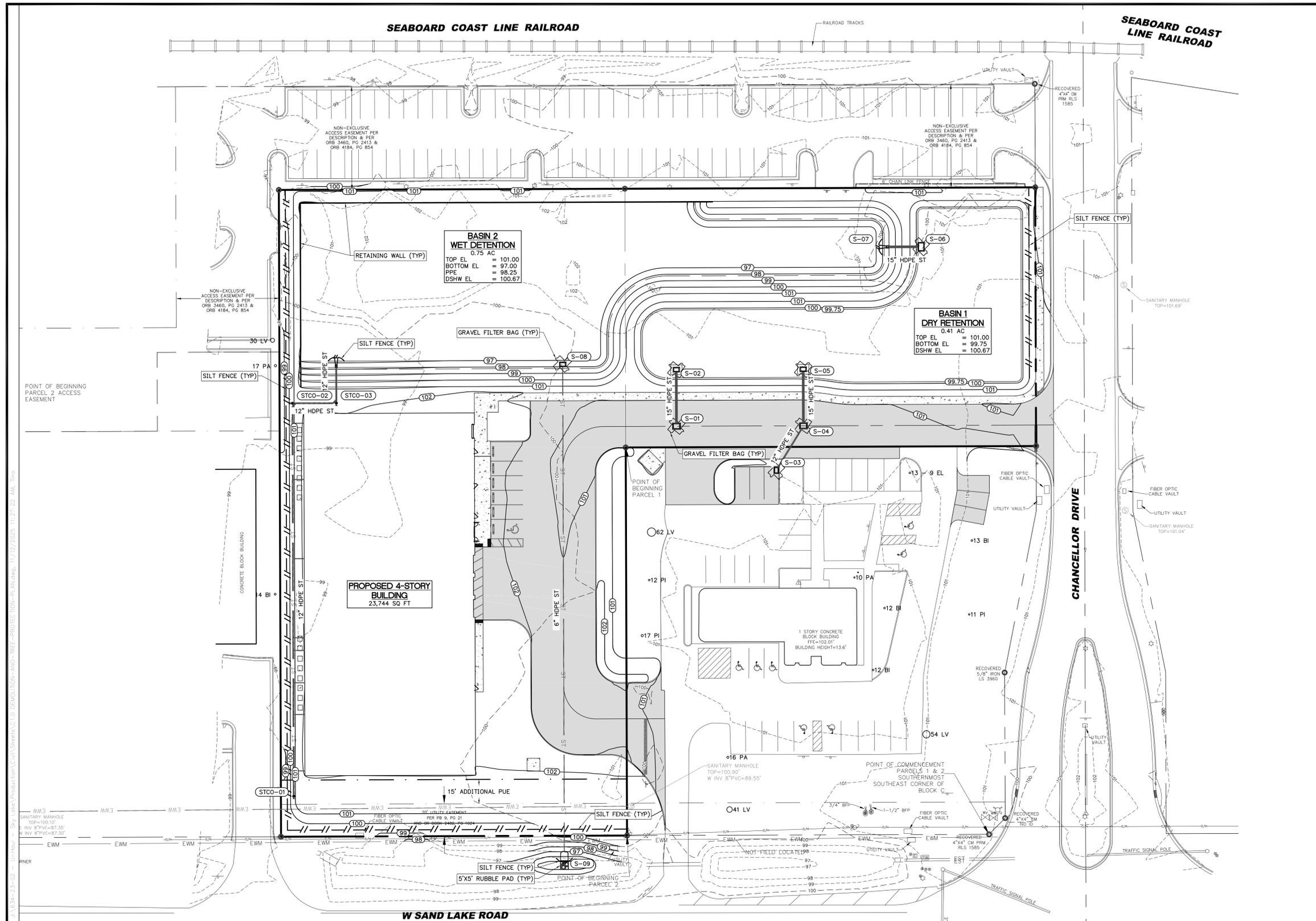
SITE: U-HAUL STORAGE FACILITY – SKY LAKE
 CONTRACTING FIRM: _____
 FIRM NAME: _____
 ADDRESS: _____
 TELEPHONE NUMBER: _____

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

NAME _____ TITLE _____

SIGNATURE _____ DATE _____

DATE OF INSPECTION	SILT FENCE	EARTH DIKES	STRUCTURAL DIVERSION	SWALE	SEDIMENT TRAP	CHECK DAM	SUBSURFACE DRAIN	PIPE SLOPE DRAIN	LEVEL SPREADERS	STORM DRAIN INLET PROTECTION	VEGETATIVE BUFFER STRIP	VEGETATIVE PRESERVATION AREA	RETENTION POND	CONSTRUCTION ENTRANCE STABILIZATION	PERIMETER DITCH	CURB AND GUTTER	PAVED ROAD SURFACE	REINFORCED SOIL RETAINING SYSTEM	GABION	SEDIMENT BASIN	TEMPORARY SEED / SOD	PERMANENT SEED / SOD	MULCH	HAY BALES	GEOTEXTILE	RIP-RAP	TREE PROTECTION	DETENTION POND	RETENTION POND	WASTE DISPOSAL / HOUSEKEEPING	DAM	SAND BAG	OTHER	OBSERVATIONS OR MAINTENANCE ACTIONS TAKEN	INSPECTED BY		

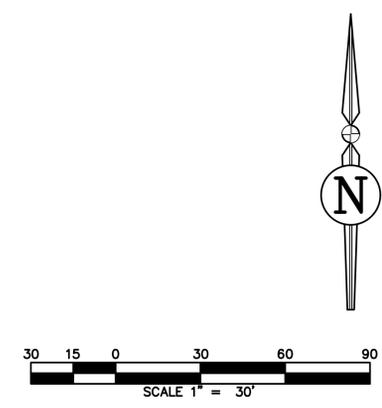


EROSION AND SEDIMENTATION CONTROL NOTES

1. THE CONTRACTOR SHALL UTILIZE THE EROSION AND SEDIMENTATION CONTROL PLAN AS A GENERAL GUIDE AND DIRECTION FOR MINIMUM CONTROL MEASURES. CONTRACTOR SHALL UTILIZE EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO MINIMIZE EROSION AND SEDIMENTATION BUILDUP ON SITE AND TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFF PROPERTY.
2. CONTRACTOR SHALL EMPLOY AN FDEP CERTIFIED EROSION AND SEDIMENTATION CONTROL INSPECTOR TO MONITOR THE CONTRACTOR'S EROSION AND SEDIMENTATION CONTROL WORK EFFORT THROUGHOUT CONSTRUCTION.
3. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY, AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
4. SILT FENCING AND OTHER SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION. ALL STORM DRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013) TO PREVENT SEDIMENT DISCHARGE TO THE EXISTING STORMWATER MANAGEMENT SYSTEM.
5. PROTECT EXISTING STORMWATER INLET STRUCTURES WITH FILTER FABRIC OR OTHER EROSION CONTROL DEVICE TO PREVENT SEDIMENTS FROM ENTERING STORM SEWER SYSTEM.
6. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER 1/2" OR GREATER RAINFALL. ANY DEFICIENCIES DISCOVERED SHALL BE REPAIRED, ADJUSTED, OR IMPROVED AS REQUIRED.
7. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND APPROVED, AND VEGETATION IS FULLY ESTABLISHED.
8. CONTRACTOR SHALL MINIMIZE AIR POLLUTION FROM PARTICULATES AND DUST. WATER SHALL BE APPLIED AS NEEDED TO REDUCE DUST DURING CONSTRUCTION. USE OTHER STABILIZATION METHODS SUCH AS HYDROMULCHING AS NEEDED.
9. CONTRACTOR SHALL STOCKPILE AND STORE MATERIALS SUCH THAT STORMWATER FLOW IS NOT IMPEDED DURING CONSTRUCTION AND MATERIAL EROSION DOES NOT OCCUR.
10. ALL DISTURBED OPEN AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE COMPLETELY GRASSED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FOOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013). EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.
11. THE STORM SEWER SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.
12. CONSTRUCTION ACCESS ROUTES FOR THE AREAS WHERE CONSTRUCTION VEHICLE ACCESS ROUTES MAY INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD, CONCRETE, AND OTHER MATERIALS BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE.
13. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH WORKDAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

LEGEND

- SILT FENCE BARRIERS
- GRAVEL FILTER BAG



REVISIONS			DRWN	APPR
NO.	DATE	DESCRIPTION		

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US, email=james.jones@jbpro.com, Date: 2025.11.12 12:20:03 -0500
 ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821
 11/12/2025
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADJACENT TO THE SEAL.
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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 Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
 Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: **EROSION-AND-SEDIMENTATION-CONTROL-PLAN**
 CLIENT: U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA
 PROJECT: U-HAUL STORAGE FACILITY SKY LAKE

DATE: **NOVEMBER 2025**
 PROJECT NO: **634-23-02**
 SHEET NO: **01**

ORANGE COUNTY GOVERNMENT
 FLORIDA
 ORANGE COUNTY BUILDING SAFETY
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 Permit # **B23906938**
 Date: **12/12/25**

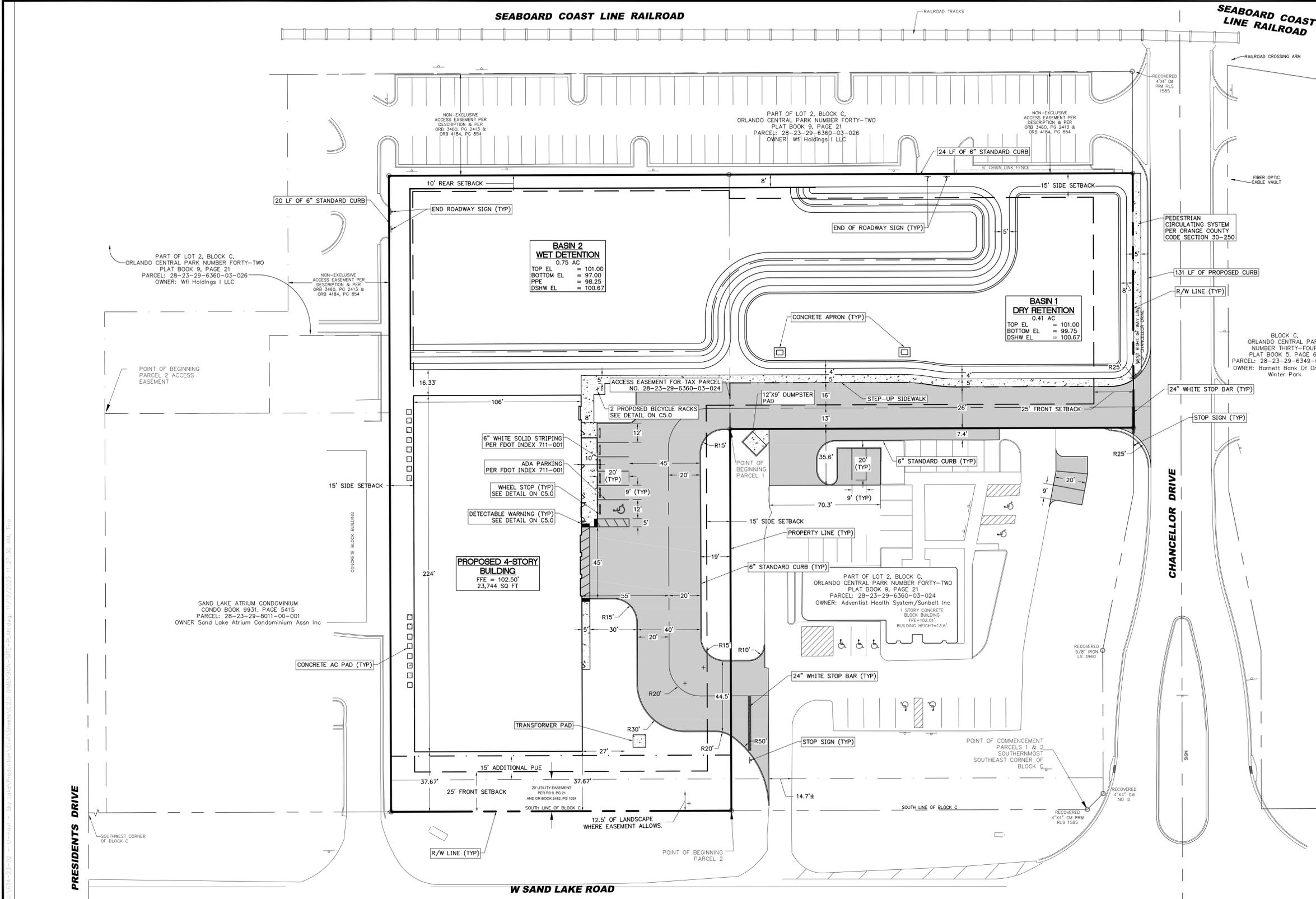
SEABOARD COAST LINE RAILROAD

SEABOARD COAST LINE RAILROAD

- DIMENSION NOTES**
- BOUNDARY INFORMATION SHOWN IS BASED ON THE ALTA/NSPS BOUNDARY AND TOPOGRAPHIC SURVEY DATED 08-18-2022.
 - CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT SURVEY AND DESIGN DRAWINGS, AND SHALL VERIFY EXISTING SITE CONDITIONS. ANY APPARENT DISCREPANCIES OR ADDITIONAL PERTINENT INFORMATION SHALL BE BROUGHT TO THE PROJECT ENGINEER'S ATTENTION IMMEDIATELY.
 - ALL DIMENSIONS AND RADII SHOWN ARE DIMENSIONED TO EDGE OF PAVEMENT OR FACE OF CURB, UNLESS OTHERWISE SPECIFIED.
 - ALL STRIPING SHALL CONFORM TO FDOT STANDARD INDEX 711-001.
 - ALL SIGNAGE TO BE INSTALLED SHALL CONFORM TO MUTCD REQUIREMENTS, 11TH EDITION, INCORPORATED 2023.
 - ALL SIGNAGE SHALL CONFORM TO MUTCD STANDARDS.
 - PARKING SPACES SHALL BE REQUIRED FOR STORAGE FACILITIES WITH OVER 200 UNITS, PLUS MINIMUM 25 FEET BETWEEN BUILDINGS FOR DRIVEWAY PARKING.
 - A. PROVIDED PARKING SPACES = 6 (1 ADA PARKING SPACE)
 - BUILDING SETBACKS:
 - A. FRONT YARD = 25 FT
 - B. SIDE YARD = 15 FT
 - C. REAR YARD = 10 FT
 - PER ORANGE COUNTY CODE SECTION 38-981, THE FRONT ONE-HALF OF ANY REQUIRED FRONT YARD MUST BE LANDSCAPED.
 - BICYCLE PARKING:
 - A. FOR DEVELOPMENTS THAT REQUIRE UP TO 10 VEHICULAR PARKING SPACES, 2 BICYCLE PARKING SPACES SHALL BE REQUIRED.
 - B. PROVIDED BICYCLE PARKING SPACES = 2

LEGEND

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT



REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US, ou=unaffiliated, email=james.jones@jbpro.com, Date: 2025.11.12 12:12:48 -0500
 ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADJACENT TO THE SEAL.
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SHEET TITLE: **DIMENSION-SITE-PLAN**
 CLIENT: **U-HAUL COMPANY OF FLORIDA**
 JACKSONVILLE, FLORIDA

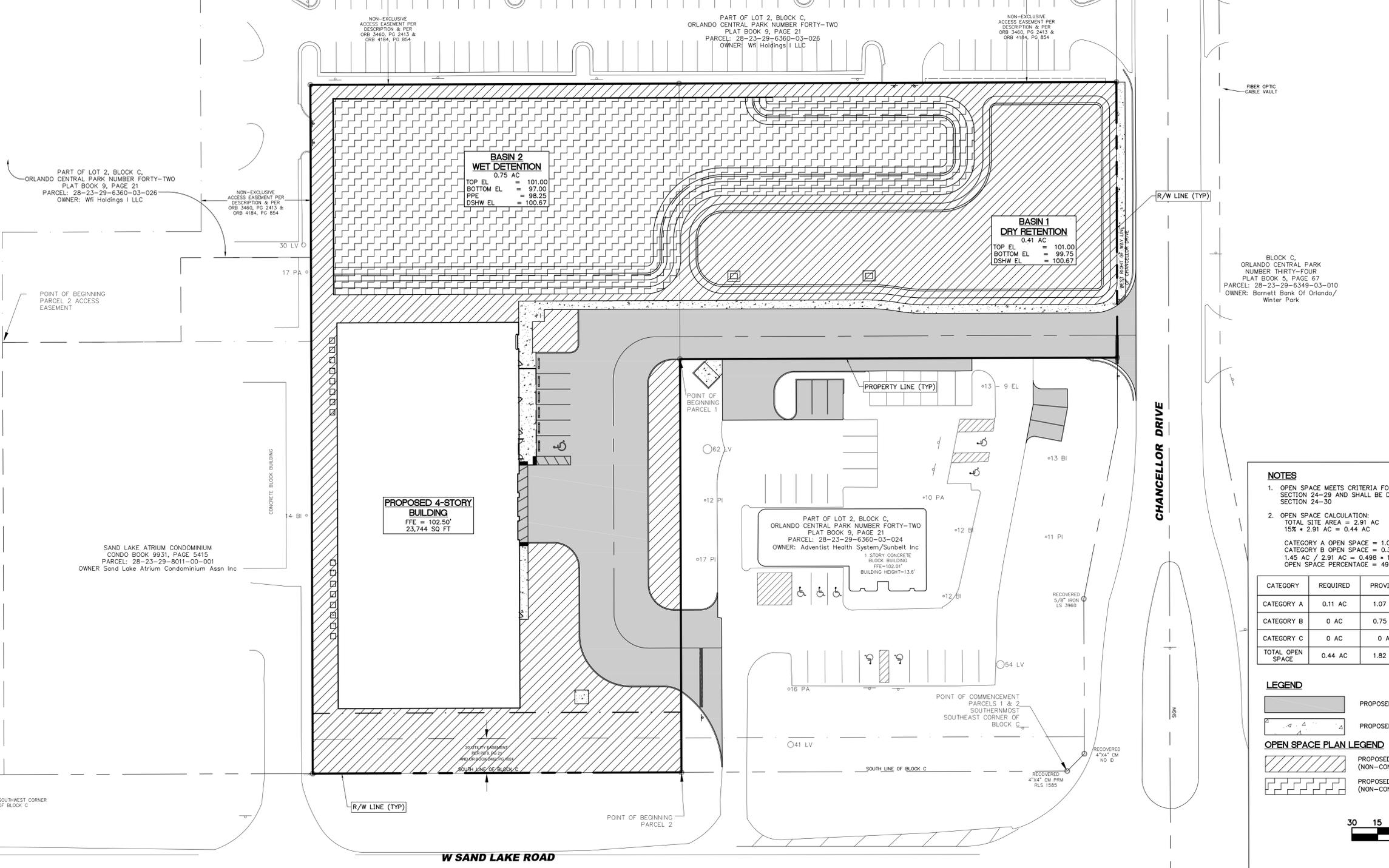
PROJECT: **U-HAUL STORAGE FACILITY**
 SKY LAKE

DATE: **NOVEMBER 2025**
 PROJECT NO.: **634-23-02**
 SHEET NO.: **020**

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SEABOARD COAST LINE RAILROAD

SEABOARD COAST LINE RAILROAD



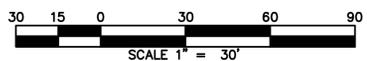
NOTES

- OPEN SPACE MEETS CRITERIA FOUND IN ORANGE COUNTY CODE SECTION 24-29 AND SHALL BE DESIGNED IN ACCORDANCE WITH SECTION 24-30
- OPEN SPACE CALCULATION:
 TOTAL SITE AREA = 2.91 AC
 15% * 2.91 AC = 0.44 AC
 CATEGORY A OPEN SPACE = 1.07 AC
 CATEGORY B OPEN SPACE = 0.38 AC
 1.45 AC / 2.91 AC = 0.498 * 100% = 49.8%
 OPEN SPACE PERCENTAGE = 49.8%

CATEGORY	REQUIRED	PROVIDED	ADJUSTED VALUE	PERCENTAGE
CATEGORY A	0.11 AC	1.07 AC	1.07 AC	36.8%
CATEGORY B	0 AC	0.75 AC	0.38 AC	13.1%
CATEGORY C	0 AC	0 AC	0 AC	0%
TOTAL OPEN SPACE	0.44 AC	1.82 AC	1.45 AC	49.8%

LEGEND

PROPOSED ASPHALT PAVEMENT
 PROPOSED CONCRETE PAVEMENT
OPEN SPACE PLAN LEGEND
 PROPOSED CATEGORY A OPEN SPACE (NON-CONSERVATION OPEN SPACE)
 PROPOSED CATEGORY B OPEN SPACE (NON-CONSERVATION OPEN SPACE)



REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L Jones
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 DN: cn=James L Jones, c=US,
 o=unaffiliated,
 email=james.jones@jbpro.com
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 ENGINEER OF RECORD: JAMES LEE JONES III, PE
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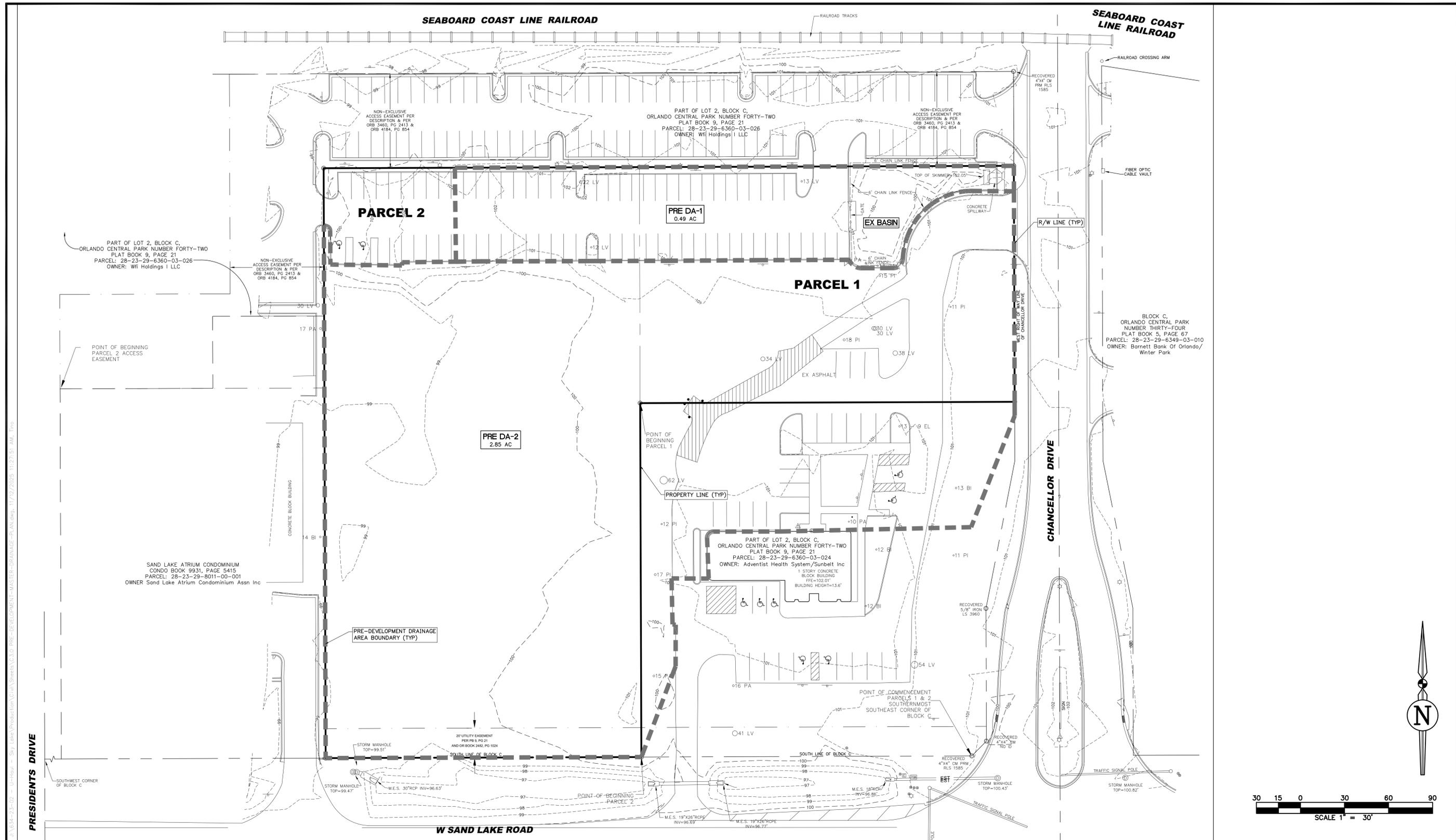
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SHEET TITLE:
OPEN-SPACE-PLAN
 CLIENT:
U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA

PROJECT:
U-HAUL STORAGE FACILITY
 SKY LAKE

DATE:
NOVEMBER 2025
 PROJECT NO:
634-23-02
 SHEET NO:
02

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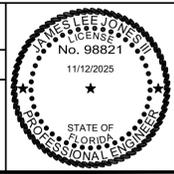
REVISIONS			DRWN	APPR
NO.	DATE	DESCRIPTION		

James L. Jones
 Digitally signed by James L. Jones
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 email=james.jones@jbpro.com,
 Date: 2025.11.12 15:15:19 -0500

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SHEET TITLE: **PRE-DEVELOPMENT-MASTER-DRAINAGE-PLAN**

DATE: **NOVEMBER 2025**
 PROJECT NO: **634-23-02**

CLIENT: **U-HAUL COMPANY OF FLORIDA**
 JACKSONVILLE, FLORIDA

PROJECT: **U-HAUL STORAGE FACILITY**
 SKY LAKE

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Permit # **B23906938**
 Date: **12/12/25**

SEABOARD COAST LINE RAILROAD

SEABOARD COAST LINE RAILROAD

STORM STRUCTURE TABLE

INLETS

MITERED/FLARED END SECTIONS

S-01 GUTTER INLET TYPE V
FDOT INDEX 425-041
PVMT EL = 100.30
N INV EL = 97.20 (15" HDPE)

S-02 TYPE C DBI
TRAVERSABLE INLET WITHOUT SLOT
FDOT INDEX 425-052
GRATE EL = 100.00
S INV EL = 97.00 (15" HDPE)

S-03 TYPE C DBI
FDOT INDEX 425-052
GRATE EL = 100.39
NE INV EL = 97.40 (12" HDPE)

S-04 GUTTER INLET TYPE V
FDOT INDEX 425-041
PVMT EL = 100.30
N INV EL = 97.20 (15" HDPE)
SW INV EL = 97.20 (12" HDPE)

S-05 TYPE C DBI
TRAVERSABLE INLET WITHOUT SLOT
FDOT INDEX 425-052
GRATE EL = 100.00
S INV EL = 97.00 (15" HDPE)

S-06 TYPE E DBI
FDOT INDEX 425-052
GRATE EL = 100.65
W INV EL = 98.10 (15" HDPE)

S-08 TYPE C DBI
FDOT INDEX 425-052
GRATE EL = 107.00
WEIR EL = 98.25
WEIR EL = 99.90
S INV EL = 96.55 (6" HDPE)

S-07 FLARED END SECTION
FDOT INDEX 430-020
E INV EL = 98.00 (15" HDPE)

S-09 MITERED END SECTION
FDOT INDEX 430-021
N INV EL = 95.00 (6" HDPE)

S-10 FLARED END SECTION
FDOT INDEX 430-020
S INV EL = 97.00 (12" HDPE)

ST CLEANOUT TABLE

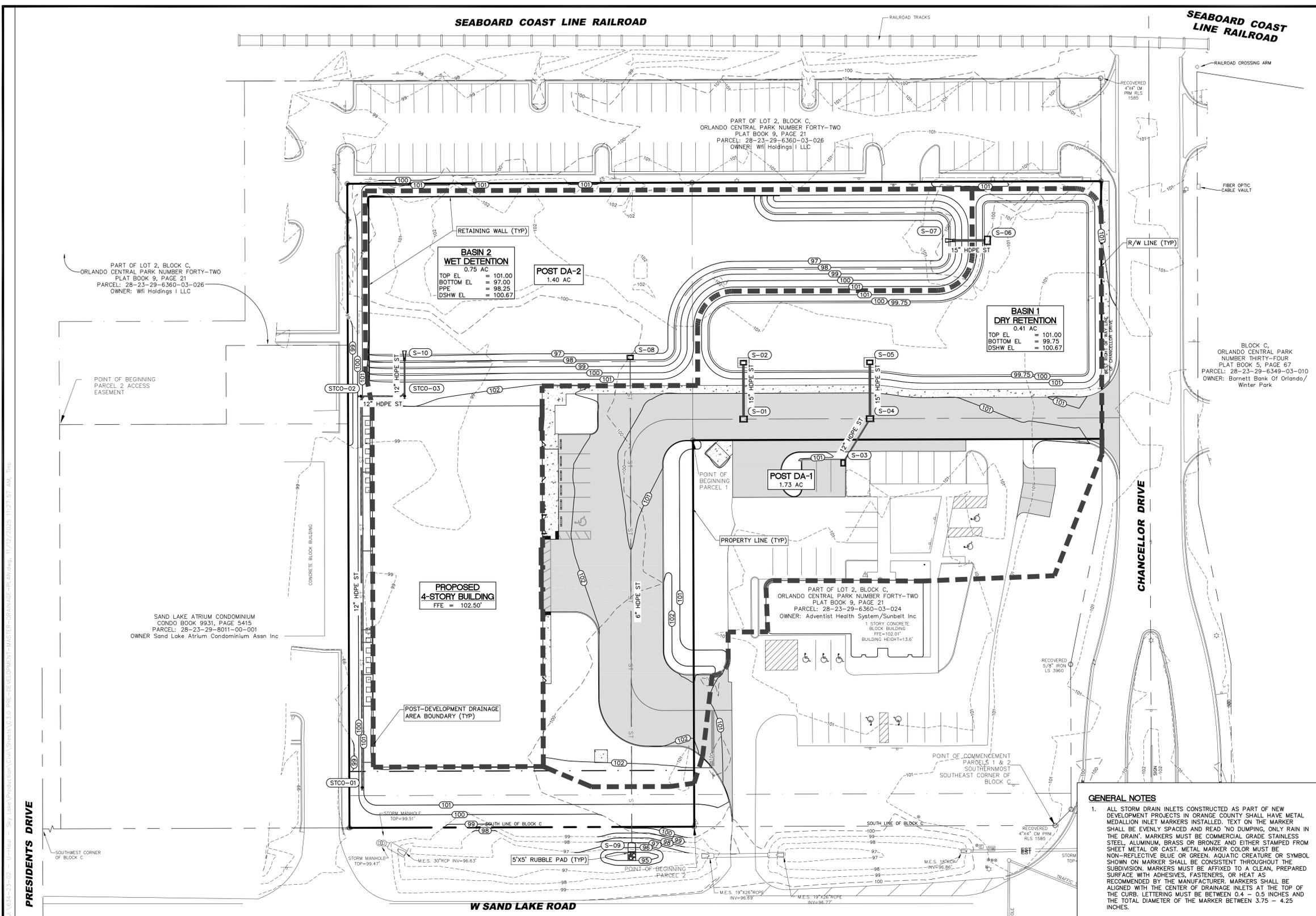
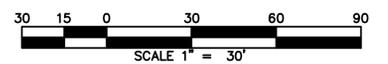
STCO	TOP EL	INV EL
STCO-01	100.67	98.50
STCO-02	100.67	97.25
STCO-03	101.51	97.10

STORM PIPE TABLE

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE & MATERIAL	LENGTH	SLOPE
S-01	S-02	15" HDPE	35'	0.57%
S-03	S-04	12" HDPE	32'	0.62%
S-04	S-05	15" HDPE	35'	0.57%
S-06	S-07	15" HDPE	20'	0.50%
S-08	S-09	6" HDPE	303'	0.51%
STCO-01	STCO-02	12" HDPE	241'	0.52%
STCO-02	STCO-03	12" HDPE	25'	0.59%
STCO-03	S-10	12" HDPE	22'	0.45%

GENERAL NOTES

- ALL STORM DRAIN INLETS CONSTRUCTED AS PART OF NEW DEVELOPMENT PROJECTS IN ORANGE COUNTY SHALL HAVE METAL MEDALLION INLET MARKERS INSTALLED. TEXT ON THE MARKER SHALL BE EVENLY SPACED AND READ "NO DUMPING, ONLY RAIN IN THE DRAIN". MARKERS MUST BE COMMERCIAL GRADE STAINLESS STEEL, ALUMINUM, BRASS OR BRONZE, AND EITHER STAMPED FROM SHEET METAL OR CAST. METAL MARKER COLOR MUST BE NON-REFLECTIVE BLUE OR GREEN. AQUATIC CREATURE OR SYMBOL SHOWN ON MARKER SHALL BE CONSISTENT THROUGHOUT THE SUBDIVISION. MARKERS MUST BE AFFIXED TO A CLEAN, PREPARED SURFACE WITH ADHESIVES, FASTENERS, OR HEAT AS RECOMMENDED BY THE MANUFACTURER. MARKERS SHALL BE ALIGNED WITH THE CENTER OF DRAINAGE INLETS AT THE TOP OF THE CURB. LETTERING MUST BE BETWEEN 0.4 - 0.5 INCHES AND THE TOTAL DIAMETER OF THE MARKER BETWEEN 3.75 - 4.25 INCHES.



PART OF LOT 2, BLOCK C,
ORLANDO CENTRAL PARK NUMBER FORTY-TWO
PLAT BOOK 9, PAGE 21
PARCEL: 28-23-29-6360-03-026
OWNER: WFI Holdings I, LLC

PART OF LOT 2, BLOCK C,
ORLANDO CENTRAL PARK NUMBER FORTY-TWO
PLAT BOOK 9, PAGE 21
PARCEL: 28-23-29-6360-03-026
OWNER: WFI Holdings I, LLC

BASIN 1
DRY RETENTION
0.41 AC
TOP EL = 101.00
BOTTOM EL = 99.75
DSHW EL = 100.67

BASIN 2
WET DETENTION
0.75 AC
TOP EL = 101.00
BOTTOM EL = 97.00
PPE = 98.25
DSHW EL = 100.67

POST DA-1
1.73 AC

PROPOSED
4-STORY BUILDING
FFE = 102.50'

PART OF LOT 2, BLOCK C,
ORLANDO CENTRAL PARK NUMBER FORTY-TWO
PLAT BOOK 9, PAGE 21
PARCEL: 28-23-29-6360-03-024
OWNER: Adventist Health System/Sunbelt Inc
1 STORY CONCRETE
BLOCK BUILDING
FFE=102.01'
BUILDING HEIGHT=13.6'

SAND LAKE ATRIUM CONDOMINIUM
CONDO BOOK 9931, PAGE 5415
PARCEL: 28-23-29-8011-00-001
OWNER Sand Lake Atrium Condominium Assn Inc

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
Digitally signed by James L. Jones
DN: cn=James L. Jones, c=US,
ou=unaffiliated,
email=james.jones@jbpro.com
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ENGINEER OF RECORD:
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11/12/2025

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SHEET TITLE: **POST-DEVELOPMENT-MASTER-DRAINAGE-PLAN**

CLIENT: **U-HAUL COMPANY OF FLORIDA
JACKSONVILLE, FLORIDA**

PROJECT: **U-HAUL STORAGE FACILITY
SKY LAKE**

DATE: **NOVEMBER 2025**

PROJECT NO: **634-23-02**

SHEET NO: **031**

ORANGE COUNTY GOVERNMENT
FLORIDA

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Permit # **B23906938**
Date: **12/12/25**

SEABOARD COAST LINE RAILROAD

SEABOARD COAST LINE RAILROAD

STORM STRUCTURE TABLE

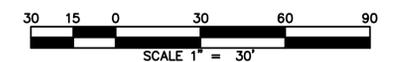
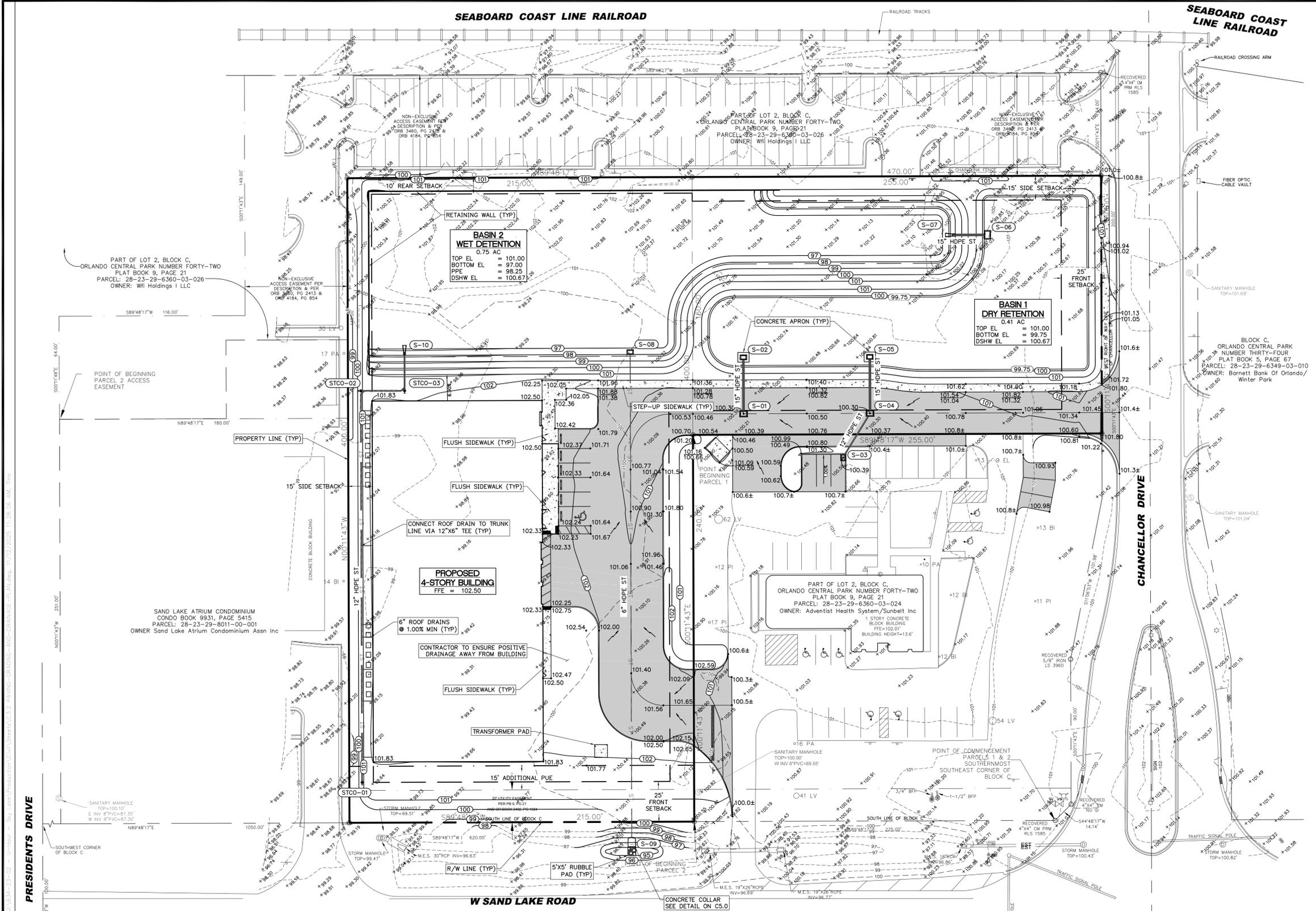
INLETS	MITERED/FLARED END SECTIONS
S-01 GUTTER INLET TYPE V FDOT INDEX 425-041 PVMT EL = 100.30 N INV EL = 97.20 (15" HDPE)	S-07 FLARED END SECTION FDOT INDEX 430-020 E INV EL = 98.00 (15" HDPE)
S-02 TYPE C DBI TRAVERSABLE INLET WITHOUT SLOT FDOT INDEX 425-052 GRATE EL = 100.00 S INV EL = 97.00 (15" HDPE)	S-09 MITERED END SECTION FDOT INDEX 430-021 N INV EL = 95.00 (6" HDPE)
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S-08 TYPE C DBI FDOT INDEX 425-052 GRATE EL = 107.00 WEIR EL = 98.25 WEIR EL = 99.90 S INV EL = 96.55 (6" HDPE)	

ST CLEANOUT TABLE

STCO	TOP EL	INV EL
STCO-01	100.67	98.50
STCO-02	100.67	97.25
STCO-03	101.51	97.10

STORM PIPE TABLE

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	MATERIAL	LENGTH	SLOPE
S-01	S-02	15" HDPE	35'	0.57%
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STCO-03	S-10	12" HDPE	22'	0.45%



REVISIONS

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 email=james.jones@jbpro.com,
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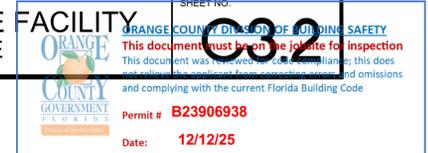


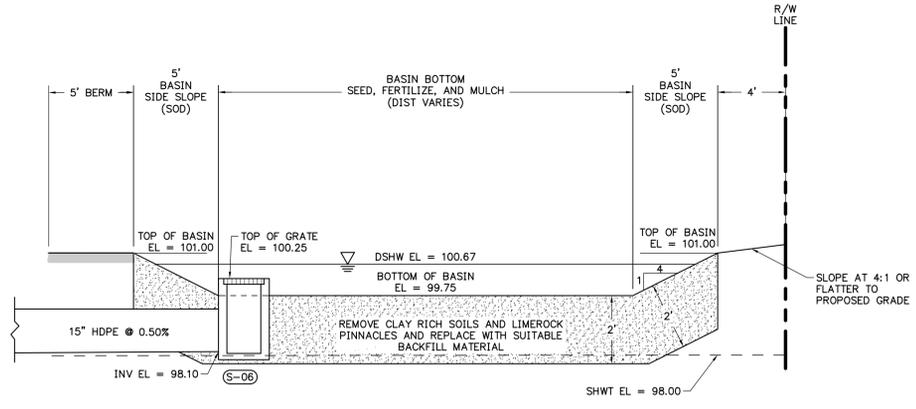
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SHEET TITLE:
PAVING-GRADING-AND-DRAINAGE-PLAN
 CLIENT:
**U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA**

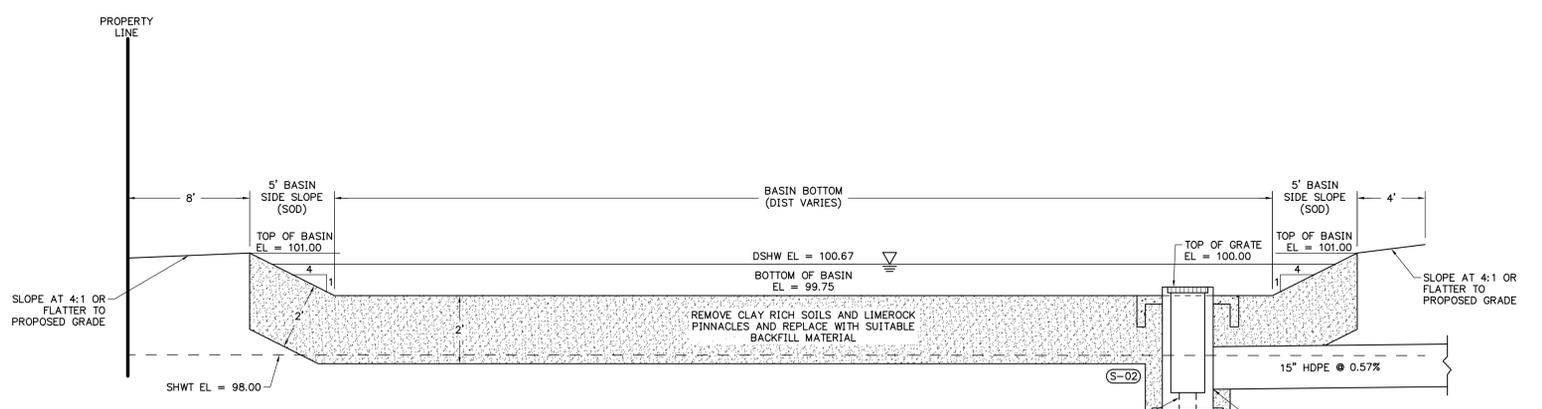
PROJECT:
**U-HAUL STORAGE FACILITY
 SKY LAKE**

DATE:
NOVEMBER 2025
 PROJECT NO:
634-23-02
 SHEET NO:
032

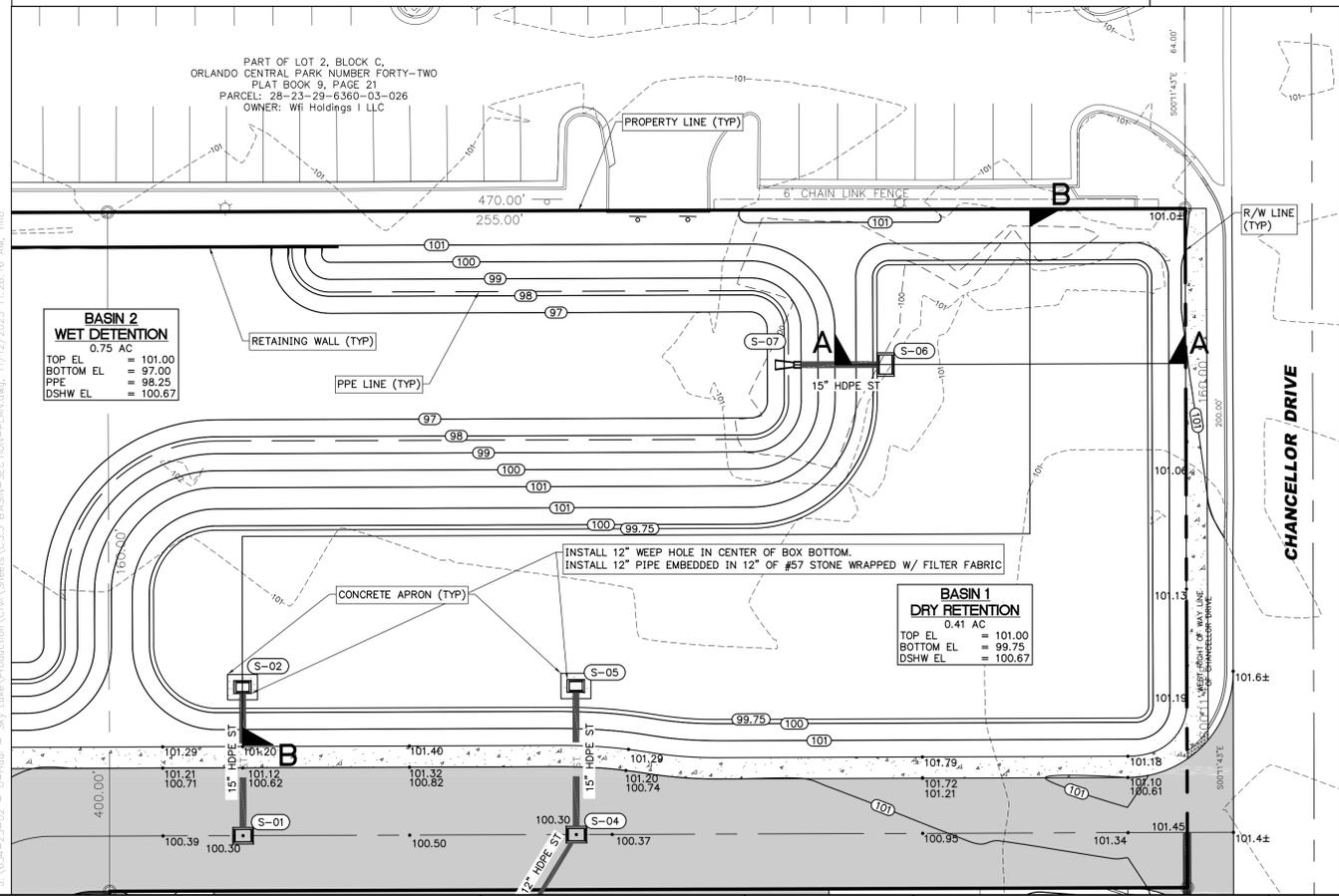




SECTION A-A: TYPICAL BASIN 1 SECTION
 1" = 5' H
 1" = 2.5' V



SECTION B-B: TYPICAL BASIN 1 SECTION
 1" = 5' H
 1" = 2.5' V

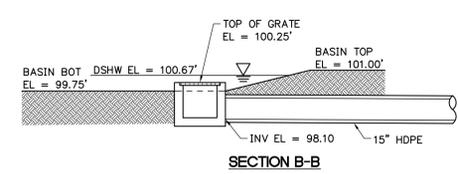
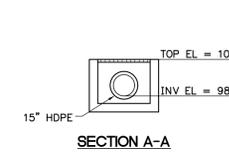
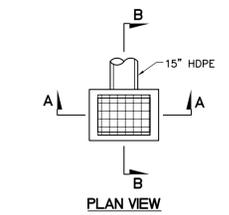


STORM STRUCTURE SCHEDULE

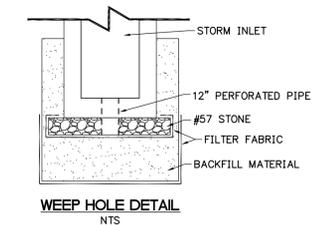
- DITCH BOTTOM INLETS**
- S-02 TYPE C DBI TRAVERSABLE INLET WITHOUT SLOT FDOT INDEX 425-052 GRATE EL = 100.00 S INV EL = 97.00 (15" HDPE)
 - S-05 TYPE C DBI TRAVERSABLE INLET WITHOUT SLOT FDOT INDEX 425-052 GRATE EL = 100.00 S INV EL = 97.00 (15" HDPE)
 - S-06 TYPE E DBI FDOT INDEX 425-052 GRATE EL = 100.65 W INV EL = 98.10 (15" HDPE)
- VALLEY GUTTER INLETS**
- S-01 GUTTER INLET TYPE V FDOT INDEX 425-041 PWT EL = 100.30 N INV EL = 97.20 (15" HDPE)
 - S-04 GUTTER INLET TYPE V FDOT INDEX 425-041 PWT EL = 100.30 N INV EL = 97.20 (15" HDPE) SW INV EL = 97.20 (12" HDPE)
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STORM PIPE TABLE

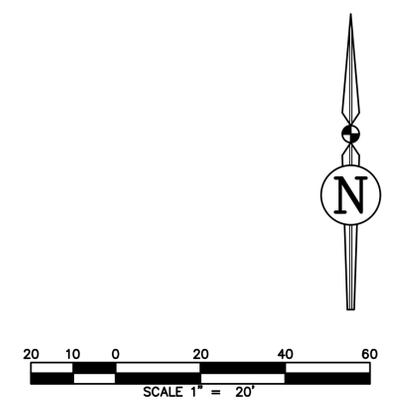
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S-04	S-05	15" HDPE	35'	0.57%
S-06	S-07	15" HDPE	20'	0.50%



BASIN CONTROL STRUCTURE (S-06)
 1" = 5'



- GENERAL NOTES:**
- INSTALL 12" PERFORATED PIPE EMBEDDED 12" IN #57 STONE (12" DEEP).
 - WRAP #57 STONE ON BOTTOM AND ALL SIDES WITH FILTER FABRIC.
 - UNDERCUT A MINIMUM OF 1" ON ALL SIDES AND 3' BELOW #57 STONE AND BACKFILL WITH THE ON SITE SANDS WITH SILT (SP, SP-SM), ON SITE SOILS USED FOR BACKFILLING THESE AREAS SHOULD HAVE A MAXIMUM OF 12% SOIL FINES PASSING THE No. 200 SIEVE AND A MINIMUM OF 6FT PER DAY PERMEABILITY.
 - PROVIDE FILTER FABRIC BETWEEN EXISTING UNDISTURBED SOILS AND CLEAN BACKFILLED MATERIAL



REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
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 DN: cn=James L. Jones, c=US,
 email=james.jones@jbpro.com,
 Date: 2025.11.12 17:18:29 -0500
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SHEET TITLE: **BASIN-SECTION-PLAN**

DATE: **NOVEMBER 2025**

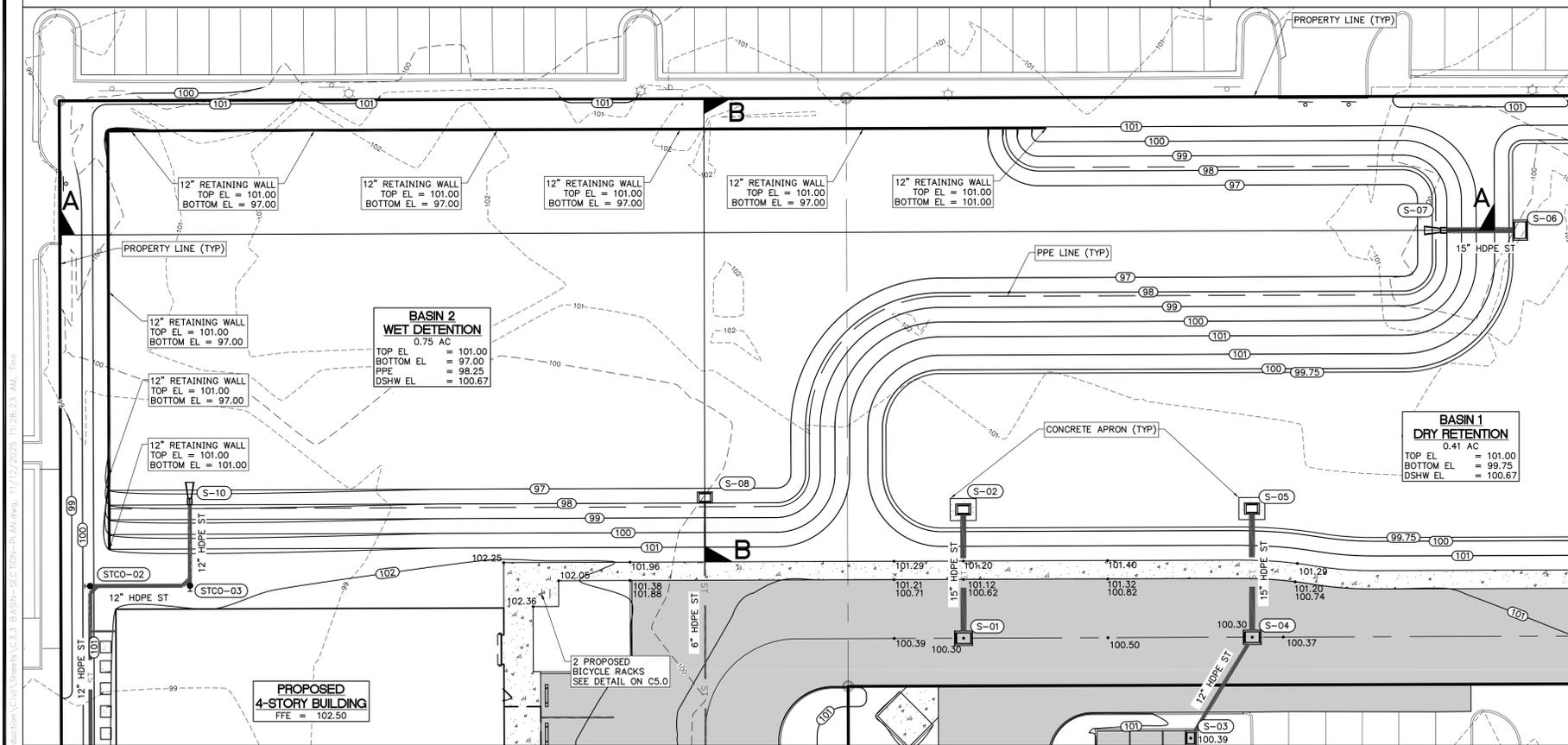
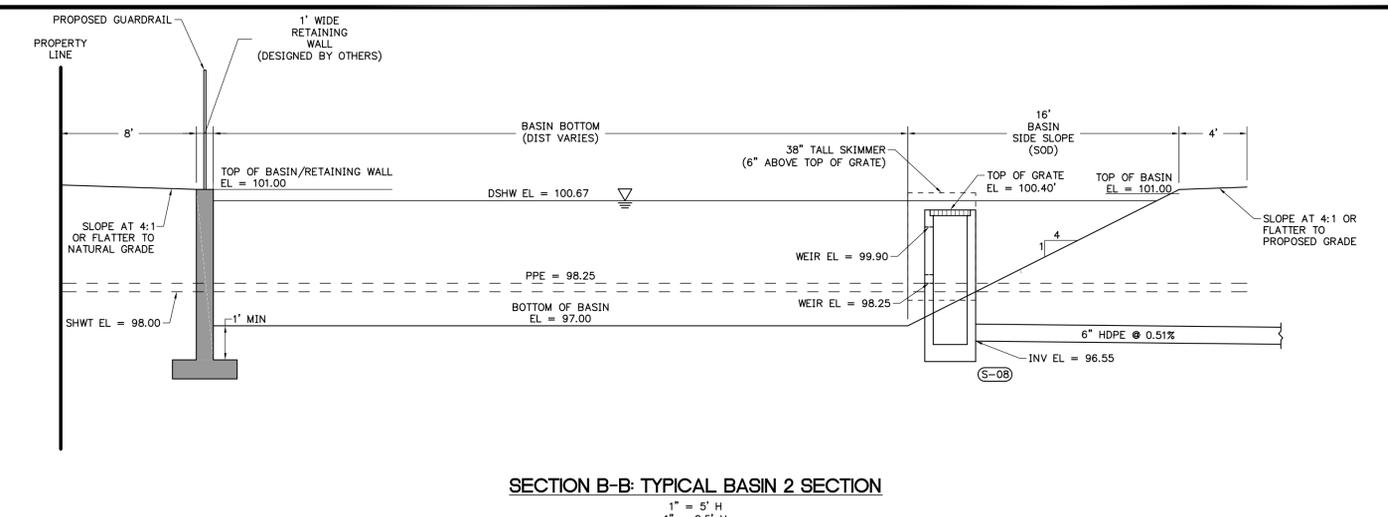
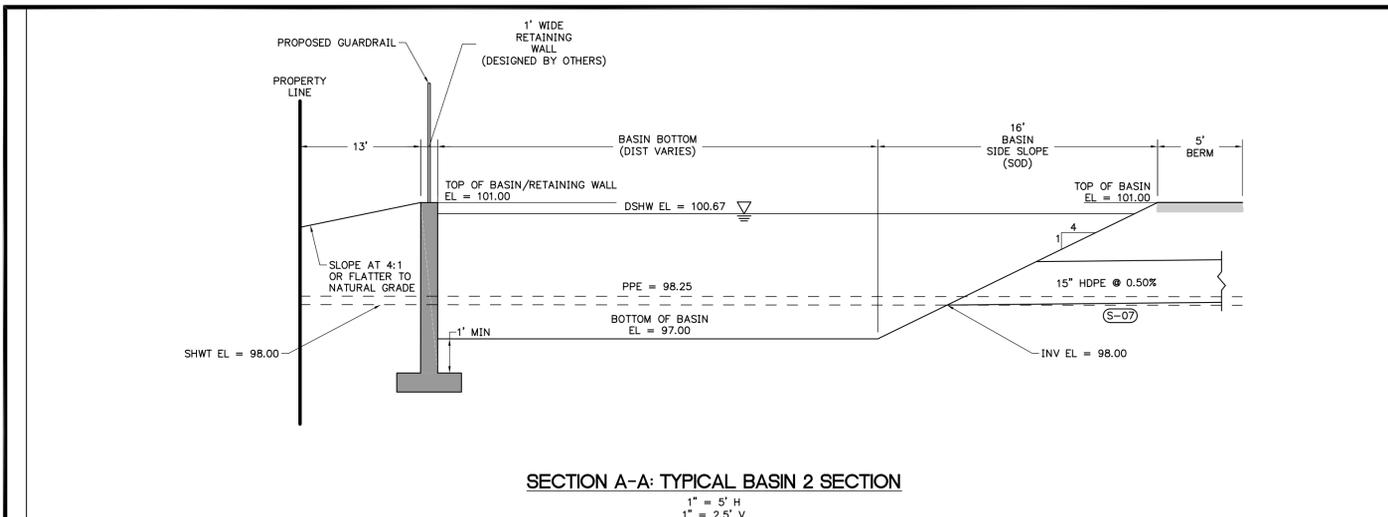
PROJECT NO: **634-23-02**

CLIENT: **U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA**

PROJECT: **U-HAUL STORAGE FACILITY SKY LAKE**

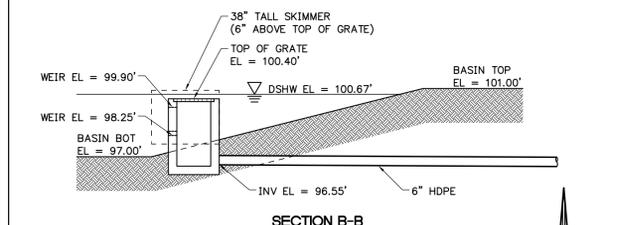
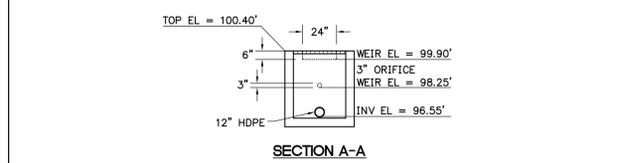
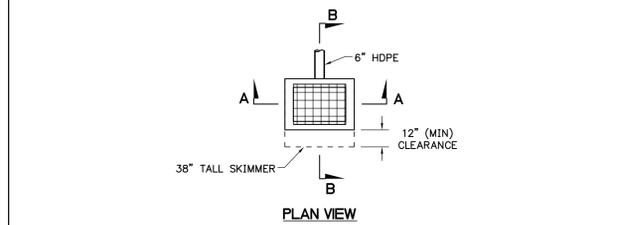
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 Permit # **B23906938**
 Date: **12/12/25**



ST CLEANOUT TABLE

STCO	TOP EL	INV EL
STCO-02	100.67	97.25
STCO-03	101.51	97.10



STORM PIPE TABLE

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE & MATERIAL	LENGTH	SLOPE
S-01	S-02	15" HDPE	35'	0.57%
S-03	S-04	12" HDPE	32'	0.62%
S-04	S-05	15" HDPE	35'	0.57%
S-06	S-07	15" HDPE	20'	0.50%
S-08	S-09	6" HDPE	303'	0.51%
STCO-01	STCO-02	12" HDPE	241'	0.52%
STCO-02	STCO-03	12" HDPE	25'	0.59%
STCO-03	S-10	12" HDPE	22'	0.45%

DITCH BOTTOM INLETS

S-02 TYPE C DBI TRAVERSABLE INLET WITHOUT SLOT FDOT INDEX 425-052 GRATE EL = 100.00 S INV EL = 97.00 (15" HDPE)	S-05 TYPE C DBI TRAVERSABLE INLET WITHOUT SLOT FDOT INDEX 425-052 GRATE EL = 100.00 S INV EL = 97.00 (15" HDPE)	S-08 TYPE C DBI FDOT INDEX 425-052 GRATE EL = 107.00 WEIR EL = 99.90 S INV EL = 98.25 S INV EL = 96.55 (6" HDPE)
S-03 TYPE C DBI FDOT INDEX 425-052 GRATE EL = 100.39 NE INV EL = 97.40 (12" HDPE)	S-06 TYPE E DBI FDOT INDEX 425-052 GRATE EL = 100.65 W INV EL = 98.10 (15" HDPE)	

VALLEY GUTTER INLETS

S-01 GUTTER INLET TYPE V FDOT INDEX 425-041 PWMT EL = 100.30 N INV EL = 97.20 (15" HDPE)	S-04 GUTTER INLET TYPE V FDOT INDEX 425-041 PWMT EL = 100.30 N INV EL = 97.20 (15" HDPE) SW INV EL = 97.20 (12" HDPE)
--	--

MITERED/FLARED END SECTIONS

S-07 FLARED END SECTION FDOT INDEX 430-020 E INV EL = 98.00 (15" HDPE)	S-10 FLARED END SECTION FDOT INDEX 430-020 S INV EL = 97.00 (12" HDPE)
---	---

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L Jones
 Digitally signed by James L Jones
 DN: cn=James L Jones, c=US,
 email=james.l.jones@jbpro.com
 Date: 2025.11.12 12:12:14 -0500
 ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821
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SHEET TITLE: **BASIN-SECTION-PLAN**
 CLIENT: **U-HAUL COMPANY OF FLORIDA**
 JACKSONVILLE, FLORIDA

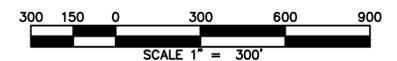
PROJECT: **U-HAUL STORAGE FACILITY**
 SKY LAKE

DATE: **NOVEMBER 2025**
 PROJECT NO: **634-23-02**
 SHEET NO: **034**

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DRAINAGE PATH TO SHINGLE CREEK DRAINAGE BASIN PER PERMIT NUMBER 85-00060-S

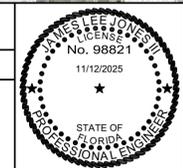


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SHEET TITLE:
STORMWATER-CONVEYANCE-MAP

CLIENT:
**U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA**

PROJECT:
**U-HAUL STORAGE FACILITY
 SKY LAKE**

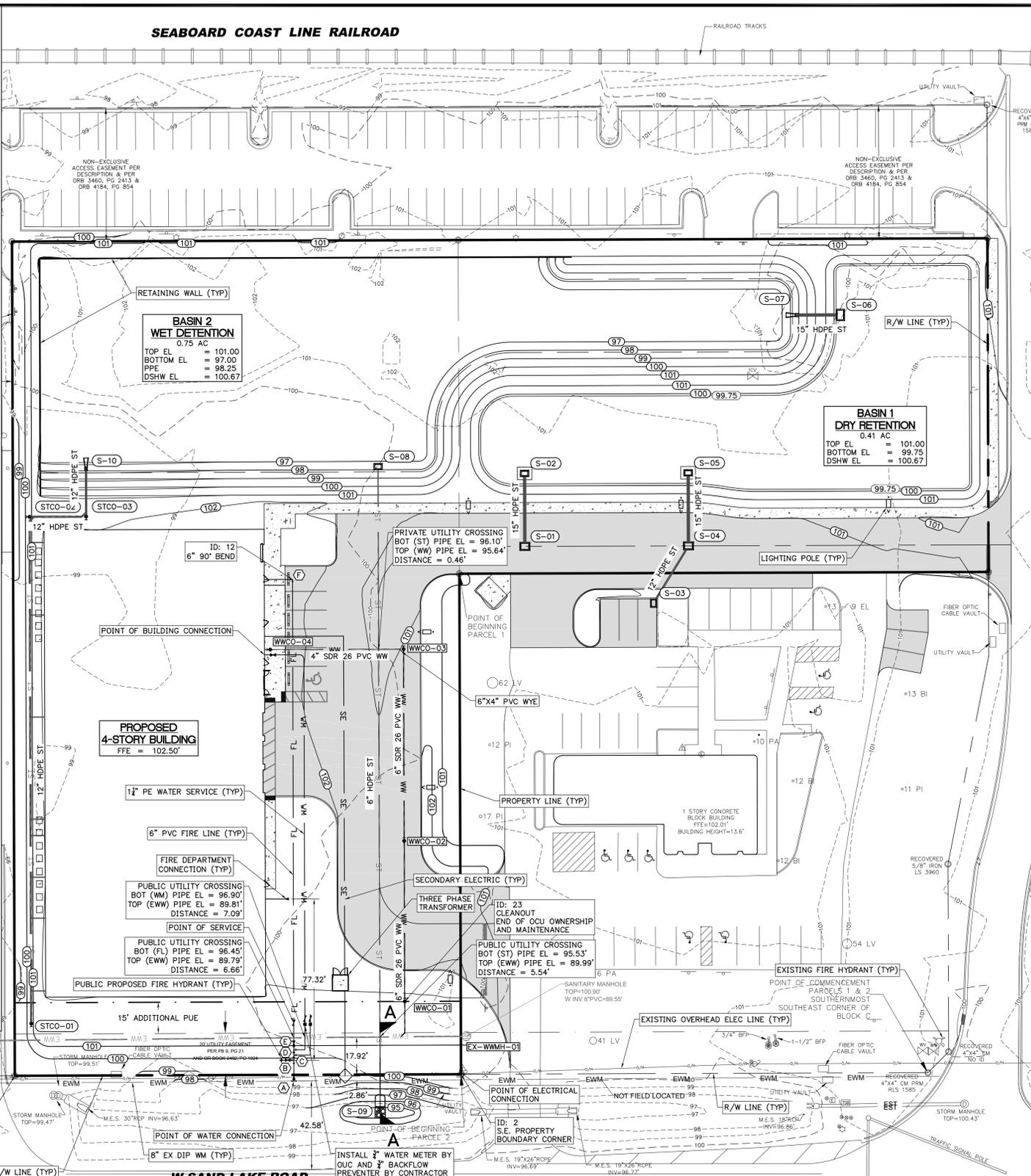
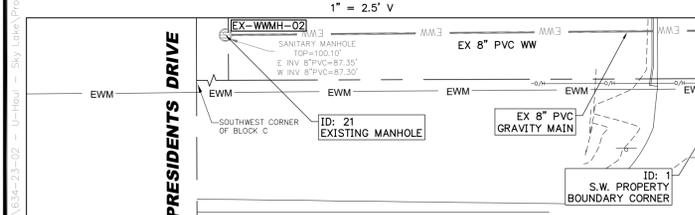
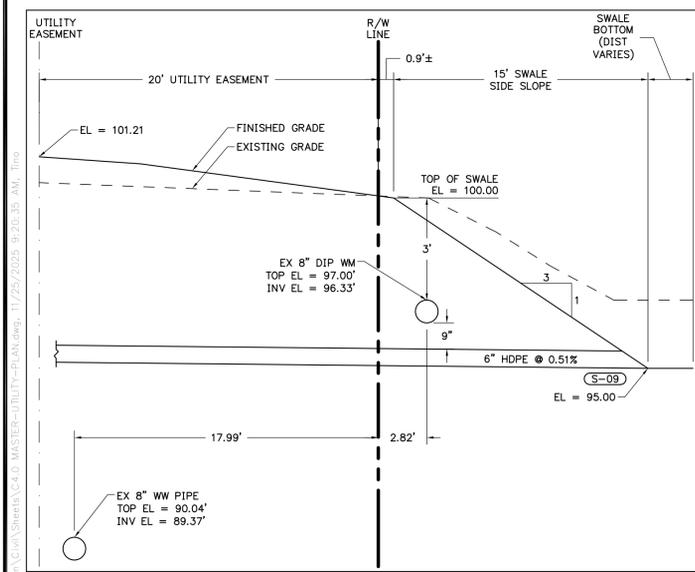
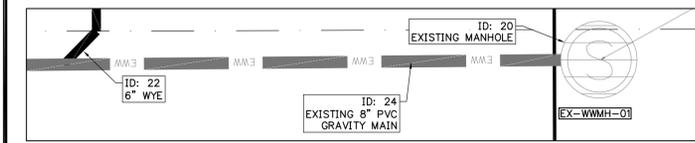
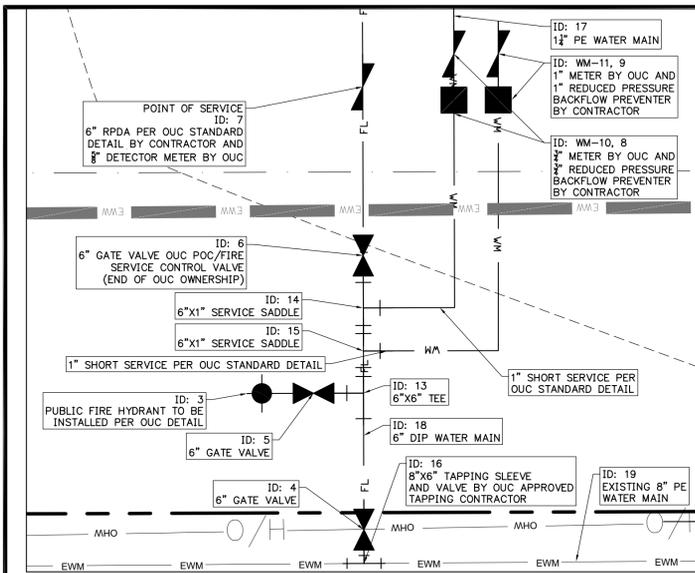
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PROJECT NO:
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SHEET NO:
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Permit # **B23906938**
 Date: **12/12/25**



- ### UTILITY NOTES
- A UTILITY PERMIT IS REQUIRED FROM ORANGE COUNTY UTILITIES.
 - ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL CONFORM TO LAKE CITY UTILITIES MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN AND CONSTRUCTION STANDARDS, AND APPROVED MATERIALS MANUAL.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING WATER MAIN AND POINT OF NEW BUILDING WATER MAIN CONNECTION.
 - PRIOR TO CONNECTION TO EXISTING UTILITIES, CONTRACTOR SHALL CONTACT LAKE CITY UTILITIES AND COORDINATE CONNECTION WITH WATER/WASTEWATER INSPECTOR A MINIMUM OF 7 DAYS BEFORE PLANNED CONNECTION.
 - THE FLORIDA BUILDING/PLUMBING CODE GOVERNS THE CONNECTION BETWEEN THE WATER METERS AND THE BUILDINGS. JBPRO HAS SPECIFIED A RECOMMENDED ROUTE FOR THIS CONNECTION. HOWEVER, SHOULD THE REQUIREMENTS OF THE FLORIDA BUILDING CODE DIFFER FROM WHAT IS DEPICTED ON THE PLANS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND PLUMBER TO NOTIFY JBPRO AND THE OWNER TO COORDINATE ANY SITE PLAN CHANGES IN ORDER TO BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE.
 - PVC WATER MAIN AND FITTINGS SHALL BE SCH. 40 PER ASTM D1785.
 - WATER MAINS SHALL BE INSTALLED WITH 30" TO 36" OF COVER. WATER MAINS AND ASSOCIATED FITTINGS MAY BE DEFLECTED IN ACCORDANCE WITH THE SPECIFIED LIMITATIONS FROM THE MANUFACTURER.
 - WATER METERS SHALL BE OUTSIDE OF LANDSCAPE AND PAVED AREAS, A MINIMUM OF 5' FROM BUILDINGS, BEHIND SIDEWALKS, AND BE A MINIMUM OF 2 FEET FROM THE EDGE OF PAVEMENT. ALL METERS SHALL BE PROVIDED WITH REDUCED PRESSURE BACKFLOW PREVENTERS.
 - FOR WATER MAINS, ALL MECHANICAL JOINT FITTINGS SHALL HAVE RESTRAINING JOINT GLANDS. PIPE SHALL BE RESTRAINED FOR SUFFICIENT LENGTH TO PROVIDE REACTION FOR BENDS & DEAD ENDS.
 - ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
 - GRAVITY WASTEWATER MAINS WITH 14 FEET OF COVER OR LESS FROM THE PROPOSED GRADE SHALL BE SDR 35 PVC. GRAVITY WASTEWATER MAINS WITH GREATER THAN 14 FEET OF COVER BUT LESS THAN 20 FEET SHALL BE SDR 26 PVC. GRAVITY MAINS WITH 20-25 FEET OF COVER SHALL BE DR-18 PVC.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF UNSUITABLE MATERIALS AND FURNISH LAKE CITY UTILITIES APPROVED MATERIAL FOR THE BACKFILLING OF WASTEWATER LINES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR MAY DISPOSE OF UNSUITABLE MATERIAL ONSITE WITH PERMISSION OF THE OWNER.
 - PVC GRAVITY WASTEWATER MAINS SHALL HAVE A MINIMUM OF 3 FEET OF COVER FROM PROPOSED GRADE.
 - WASTEWATER LATERALS INSTALLED OUTSIDE OF PAVEMENT SHALL HAVE ADJUSTABLE TOPS, TO ALLOW FOR ADJUSTMENT WITH FINAL GRADING.
 - WASTEWATER LATERALS CONNECTING TO THE MAIN SHALL BE CONNECTED WITH A WYE FITTING ROTATED 45 DEGREES UP. THE INVERT ELEVATION OF THE SERVICE AT THE MAIN SHALL BE AT OR ABOVE THE CROWN OF THE MAIN.
 - ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 6" DIAMETER PVC (SDR 35) AT 0.60% MIN. SLOPE UNLESS OTHERWISE LABELED.
 - WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING. WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS.
 - A/C CONDENSATE WATER SHALL NOT FLOW TO WASTEWATER (SANITARY SEWER).
 - POTABLE WATER DEMAND (PER UNIT)
 - A. U-HAUL MAIN BUILDING
 - (1) AVERAGE DAILY FLOW = [1 GPD PER UNIT (UP TO 200 UNITS) X 200 UNITS] + [1 GPD PER 2 UNITS (OVER 200 UNITS) X 675 UNITS] = 539.5 GPM. USE 4.5 PEAKING FACTOR. PEAK FLOW = 4.5 X 539.5 = 2,427.75 GPD X (1 DAY/1,440 MIN) = 1.69 GPM
 - PARKING LOT AND DECORATIVE LIGHT POLE LOCATIONS ARE APPROXIMATE. DECORATIVE LIGHTS WILL BE PRIVATELY OWNED. PARKING LOT LIGHTING SHALL BE PROVIDED BY FLORIDA POWER AND LIGHT. PLEASE SEE LIGHTING PLAN FOR EXACT LOCATIONS.
 - ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH OCU MAINS. (REFER TO OCU MANUAL SECTION 111 3.03 G.)
 - ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
 - MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER, AND RECLAIMED WATER LINES.
 - AN IN-GROUND HYDRAULIC ELEVATOR WITH A SUMP PUMP AND OIL MINDER IS PROPOSED WITHIN THE BUILDING. DETAILS ARE PROVIDED IN THE BUILDING PLANS.
 - BUILDING CONSTRUCTION: TYPE II (000)
 - FIRE FLOW AREA (TOTAL FLOOR AREA): 94,976 SF
 - FIRE FLOW REQUIRED: 6,500 GPM
 - BUILDING FULLY SPRINKLED? YES
 - AVAILABLE REDUCTION OF FIRE FLOW: 75%
 - MINIMUM NFPA FIRE FLOW: 1,625 GPM
 - RESULTANT FIRE FLOW: 1,625 GPM
 - FLOW DURATION: 4 HOURS
 - AVAILABLE FIRE FLOW (@ 35 PSI): 998 GPM
 - AVAILABLE FIRE FLOW (@ 20 PSI): 1,941 GPM

WW CLEANOUT TABLE

WWCO	TOP EL	INV EL
WWCO-01	101.84	89.85
WWCO-02	101.61	92.20
WWCO-03	101.03	95.00
WWCO-04	102.38	96.90

WASTEWATER STRUCTURE TABLE

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE & MATERIAL	LENGTH	SLOPE
BUILDING CONNECTION	WWCO-04	4" SDR 26 PVC	3'	3.05%
WWCO-02	WWCO-01	6" SDR 26 PVC	77'	3.05%
WWCO-03	WWCO-02	6" SDR 26 PVC	92'	3.05%
WWCO-04	6"x4" WYE	4" SDR 26 PVC	62'	3.05%

WATER FITTING SCHEDULE

(A)	1 - 8"x6" WET TAP AND SAMPLE POINT
	1 - 6" GATE VALVE AND BOX
(B)	1 - 6"x6" TEE W/ MECHANICAL RESTRAINT
	1 - 6" GATE VALVE AND BOX
	1 - FIRE HYDRANT ASSEMBLY
(C)	1 - 6"x1" SERVICE SADDLE
	1 - 1" IRRIGATION METER
	1 - 1" REDUCED PRESSURE BACKFLOW PREVENTER
(D)	1 - 6"x1" SERVICE SADDLE
	1 - 1" WATER METER
	1 - 1" REDUCED PRESSURE BACKFLOW PREVENTER
(E)	1 - 6" GATE VALVE AND BOX
	1 - 6" RPDA BACKFLOW PREVENTER
	1 - 6" DETECTOR METER
(F)	1 - 6" PVC 90° BEND W/ MECH JOINT

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
 ENGINEER OF RECORD
 JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821
 11/25/2025

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SHEET TITLE:
MASTER-UTILITY-PAN

CLIENT:
**U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA**

DATE:
NOVEMBER 2025

PROJECT NO:
634-23-02

SHEET NO:
040

PROJECT:
**U-HAUL STORAGE FACILITY
 SKY LAKE**

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Permit # **B23906938**
 Date: **12/12/25**

PROPERTY OR EASEMENT CORNER							
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Boundary Corner Type	Comments
1		C4.0				Property	S.W. Corner
2		C4.0				Property	S.E. Corner

POTABLE WATER

HYDRANTS								
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Manufacturer	Model #	Comments
3		C4.0						HYDRANT

VALVES																
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Valve Type	Main Type	Valve Size	Valve Manufacturer	Valve Model #	# of Turns to Close	Gear Actuator	Gear Ratio	Side Actuator	Actuator Manufacturer	Comments
4		C4.0				Gate	Water Main	6"								
5		C4.0				Gate	Water Main	6"								
6		C4.0				Gate	Water Main	6"								
7		C4.0				Backflow Preventer	Water Main	6"								
8		C4.0				Backflow Preventer	Water Main	3/4"								
9		C4.0				Backflow Preventer	Water Main	1"								

METERS							
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Comments
WM-10		C4.0				Water Main	
WM-11		C4.0				Water Main	

FITTINGS								
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Fitting Type	Comments
12		C4.0				Water Main	Bend 90°	
13		C4.0				Water Main	Tee	
14		C4.0				Water Main	Service Saddle	
15		C4.0				Water Main	Service Saddle	
16		C4.0				Water Main	Tapping Sleeve	

PIPES												
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Type of Shot	Construction Method	Material	Pressure Class	Manufacturer	Comments
17		C4.0				Water main			Polyethylene			1 1/2"
18		C4.0				Water main			DIP			6"
19		C4.0				Water main			Polyethylene			8" Existing

WASTEWATER

MANHOLES															
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Rim Elevation	Invert Elv N	Invert Elv NE	Invert Elv E	Invert Elv SE	Invert Elv S	Invert Elv SW	Invert Elv W	Invert Elv NW	Manufacturer	Comments
20		C4.0			100.90							89.55			Existing
21		C4.0			100.10			87.35							Existing

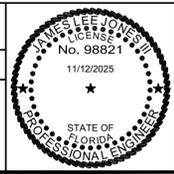
FITTINGS								
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Fitting Type	Comments
22		C4.0				Gravity Main	Wye	

CLEANOUTS							
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Comments	
23		C4.0					

PIPES												
ID Number	Utilities Asset Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Type of Shot	Construction Method	Material	Pressure Class	Manufacturer	Comments
24		C4.0				Gravity Main			PVC			8" Existing

REVISIONS				
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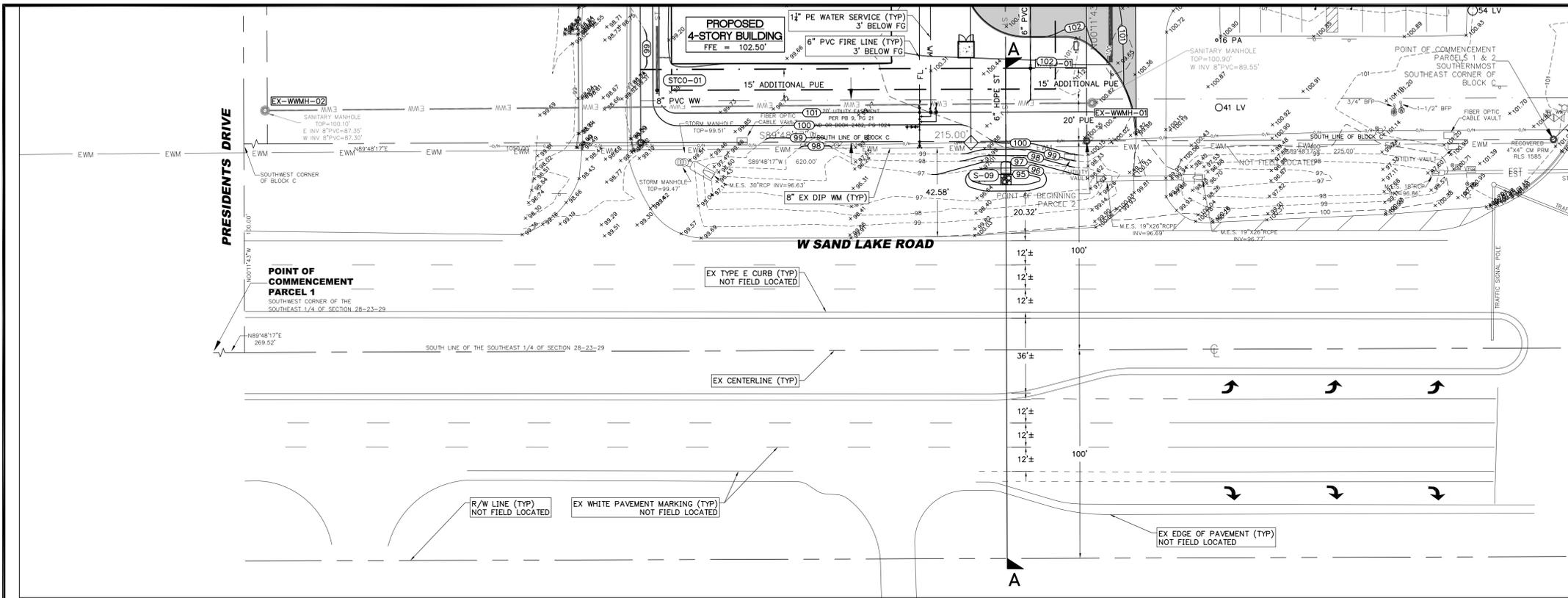
James L. Jones
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 email=james.jones@jbpro.com
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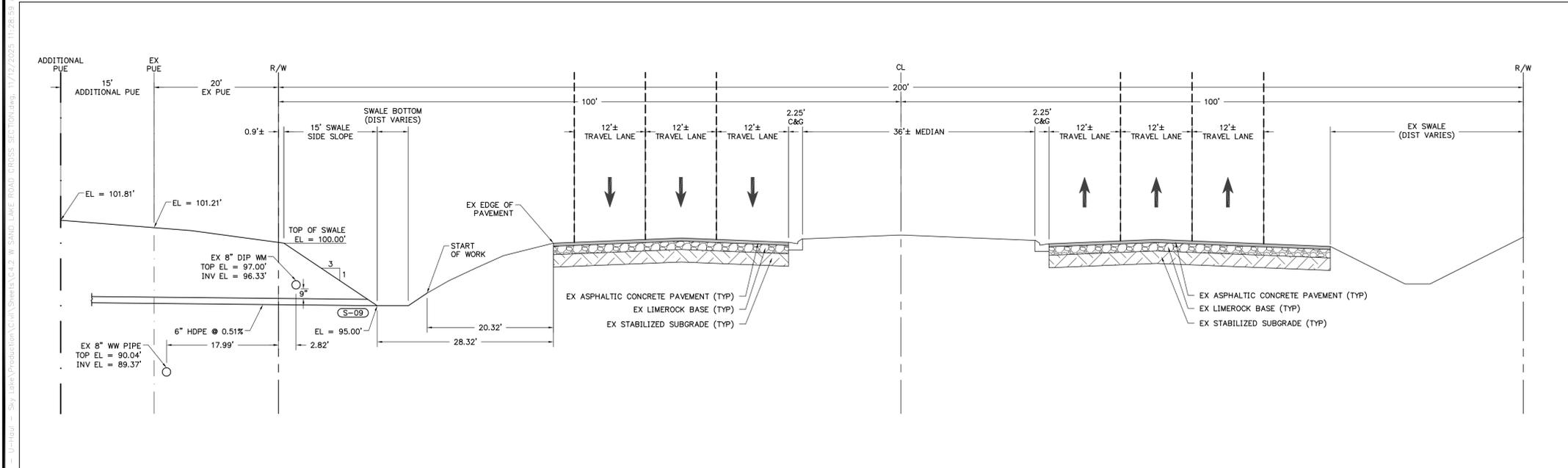
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SHEET TITLE: **ASSET-TABLE**
 CLIENT: **U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA**
 PROJECT: **U-HAUL STORAGE FACILITY SKY LAKE**
 DATE: **NOVEMBER 2025**
 PROJECT NO: **634-23-02**
 SHEET NO: **041**

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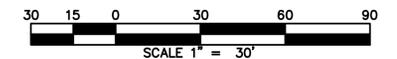
W SAND LAKE ROAD - PLAN VIEW
1" = 30'



W SAND LAKE ROAD - CROSS SECTION
1" = 10' H
1" = 5' V

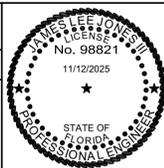
GENERAL NOTES

1. THE CONSTRUCTION AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION. ALL SOD, SEED, AND TURF MATERIALS SHALL COMPLY WITH FDOT STANDARD SPECIFICATIONS, SECTION 981 (LATEST EDITION).
2. THE CONTRACTOR SHALL IMPLEMENT MAINTENANCE OF TRAFFIC (MOT) FOR "TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER," IN ACCORDANCE WITH FDOT INDEX 102-601. ALL MOT OPERATIONS SHALL ALSO COMPLY WITH FDOT INDEX 102-600, "GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES."



REVISIONS			DRWN	APPR
NO.	DATE	DESCRIPTION		

James L. Jones
Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US,
 email=james.l.jones@jbpro.com,
 Date: 2025.11.12 12:16:21 -0500
 ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821
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 SIGNED AND SEALED BY JAMES LEE JONES III, PE
 ON THE DATE ADJACENT TO THE SEAL.
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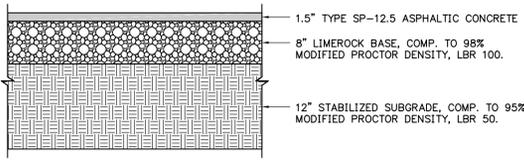


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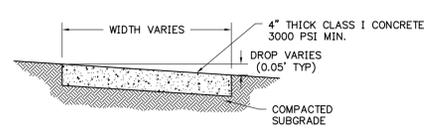
3530 NW 43rd Street | Gainesville, Florida 32606
 4420 US-1 S, Suite 1 | St. Augustine, Florida 32086
 Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
 Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE: W-SAND-LAKE-ROAD-CROSS-SECTION		DATE: NOVEMBER 2025
CLIENT: U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA		PROJECT NO: 634-23-02
PROJECT: U-HAUL STORAGE FACILITY SKY LAKE		SHEET NO: 42

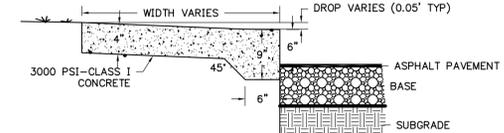
ORANGE COUNTY DESIGN OF BUILDING SAFETY
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 This document was prepared for the use of the client; this does
 not constitute a contract between the client and the design professional
 and complying with the current Florida Building Code
 Permit # **B23906938**
 Date: **12/12/25**



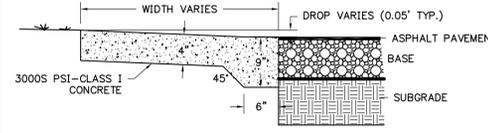
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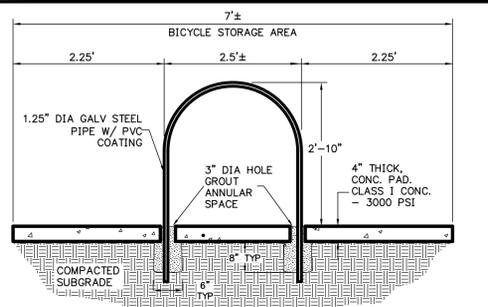
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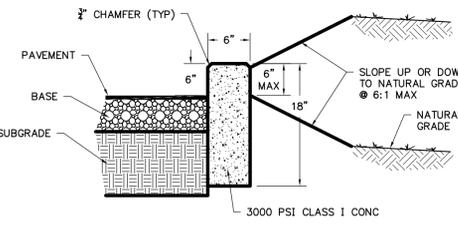
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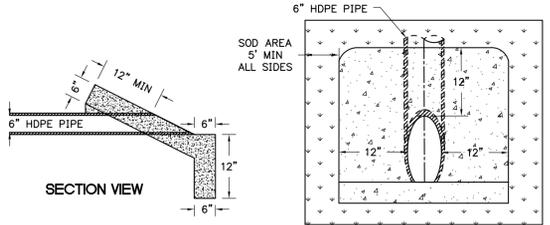
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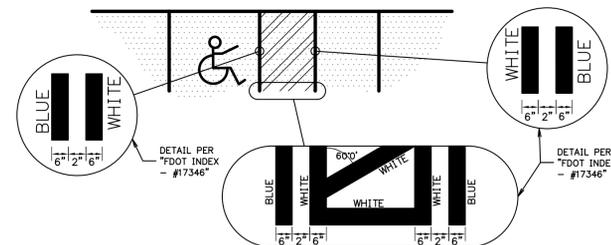
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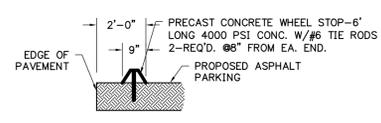
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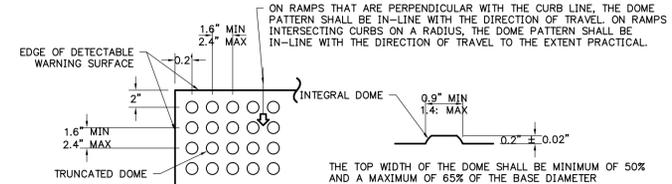
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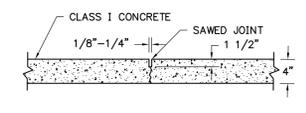
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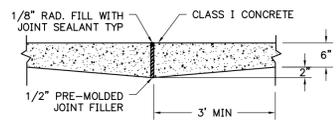
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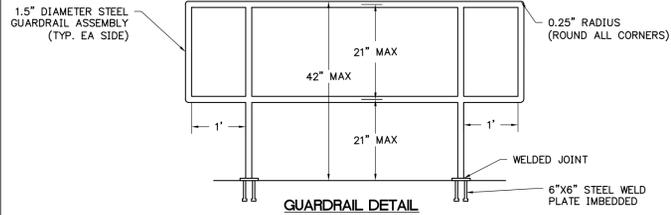
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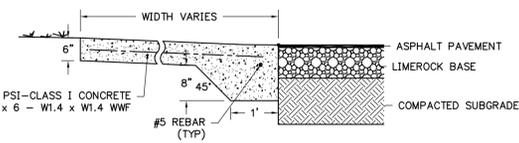
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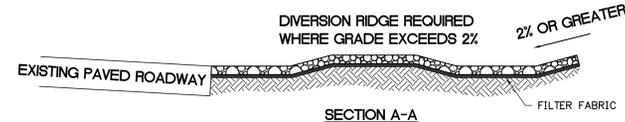
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GUARDRAIL DETAIL
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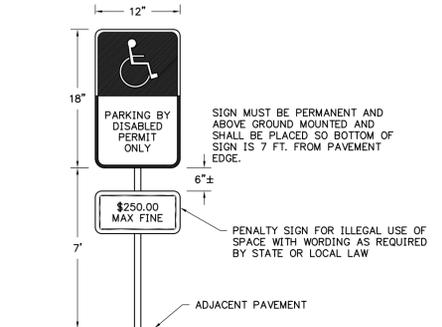


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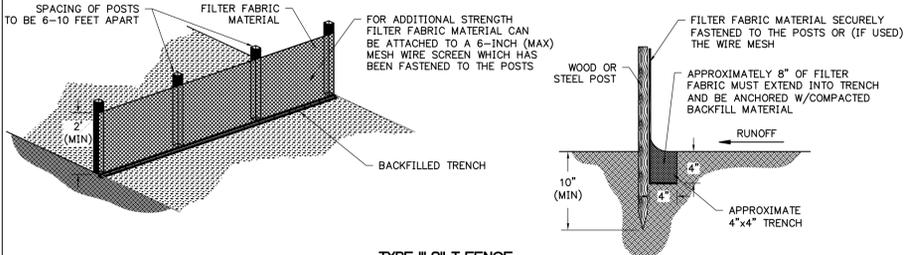


SECTION A-A

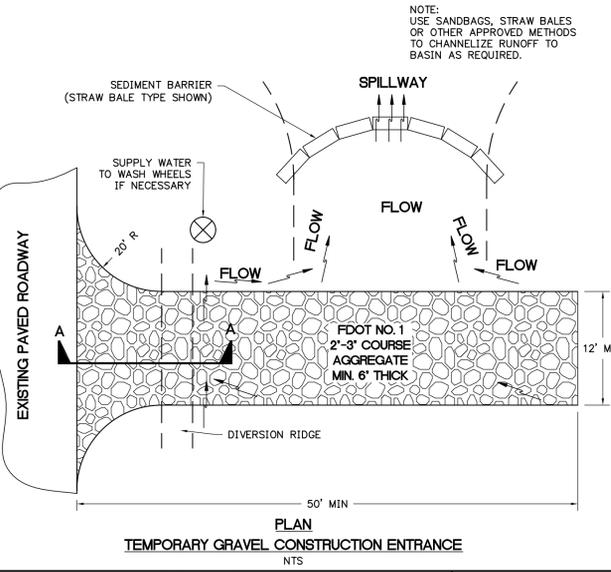
- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



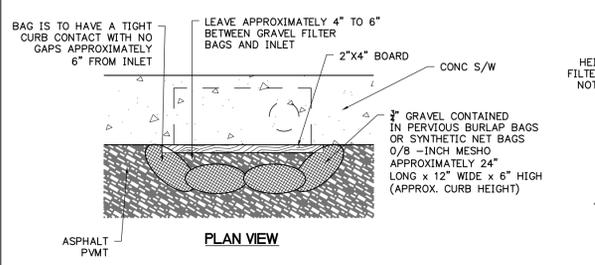
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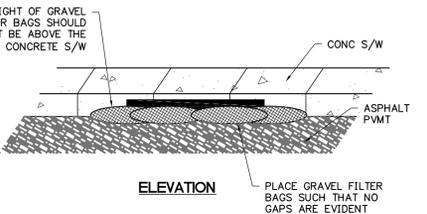
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TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
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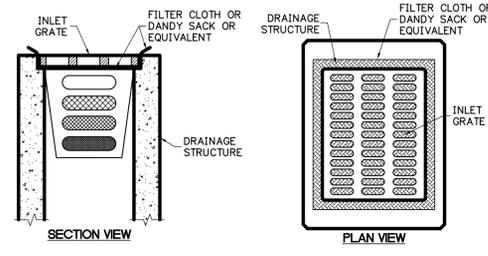


GRAVEL FILTER BAGS DETAIL
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ELEVATION

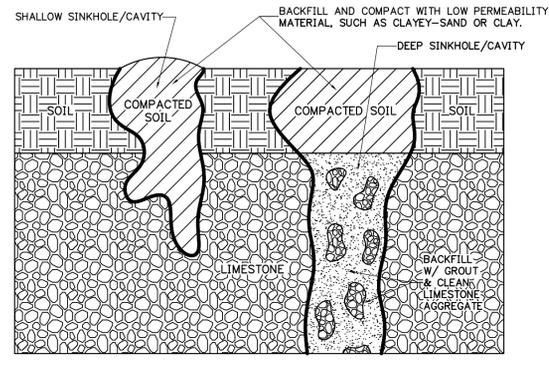
GRAVEL FILTER BAGS DETAIL
NTS



SECTION VIEW

PLAN VIEW

INLET PROTECTION DETAIL
NTS



SHALLOW AND DEEP SINKHOLE/CAVITY
MAINTENANCE REPAIR DETAIL

REVISIONS				DRWN	APPR
NO.	DATE	DESCRIPTION			

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US, o=unaffiliated,
 email=james.jones@jbpro.com
 Date: 2025.11.12 12:16:03 -0507

ENGINEER OF RECORD:
JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821

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 SIGNED AND SEALED BY JAMES LEE JONES III, PE
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 Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:
DETAILS-AND-NOTES

CLIENT:
U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA

PROJECT:
U-HAUL STORAGE FACILITY
 SKY LAKE

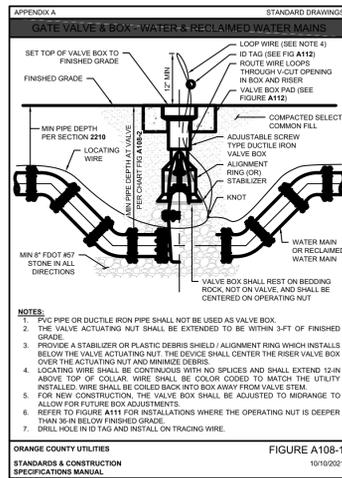
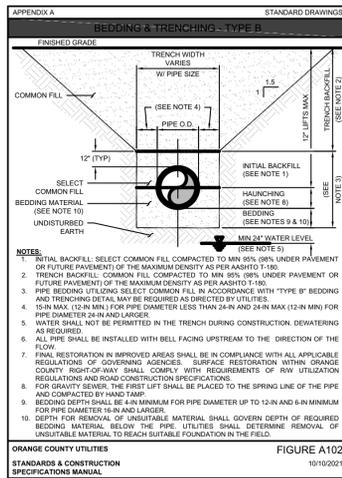
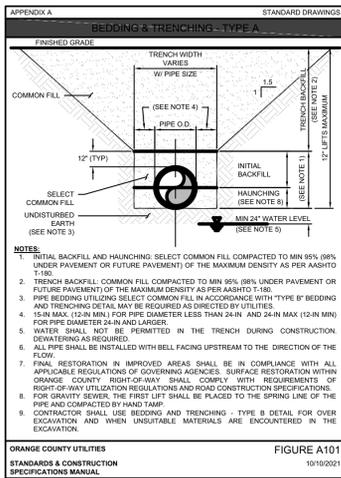
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634-23-02

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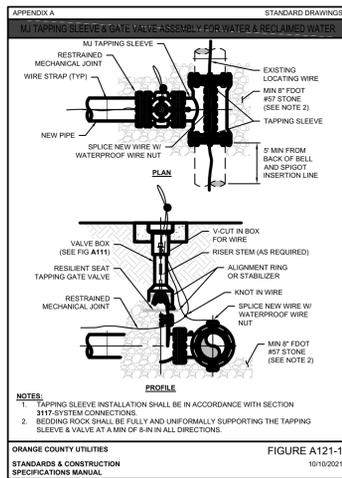
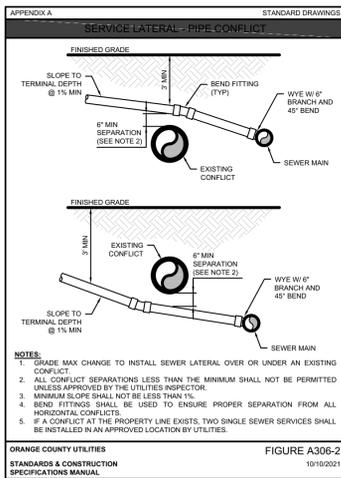
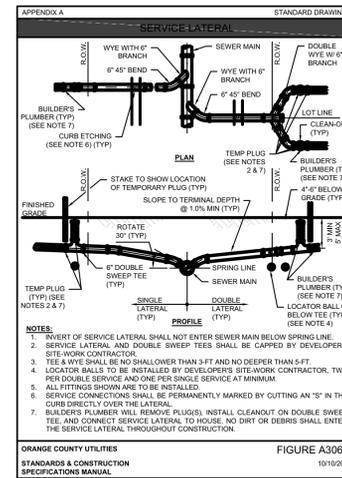
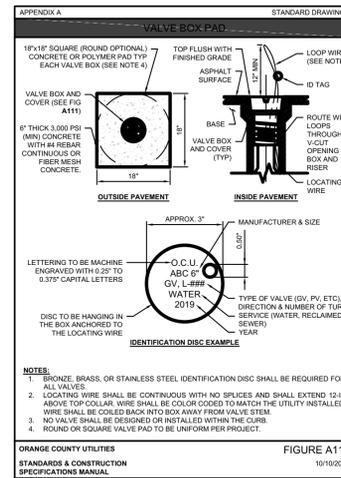
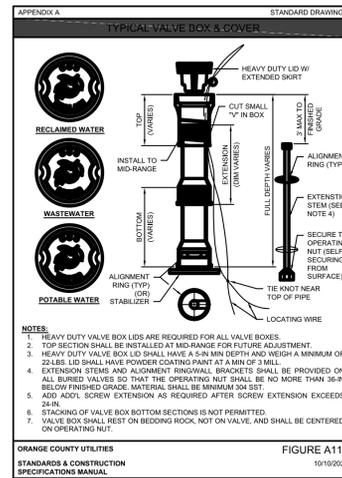
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Permit # **B23906938**
 Date: **12/12/25**



Appendix A, Standard Drawings, Gate Valve & Box - Minimum Pipe Depth at Valve per Manufacturer.

APPROVED APPENDIX D PRODUCTS VALUE SIZE (INCHES)	AMERICAN FLOW CONTROL	CLOW COMPANY	MUELLER COMPANY
18	23	34	54
24	37	72	62
30	63	75	66
36	89	88	89
42	102	102	101
48	109	102	110
54	108		
60	122		
66	118		



Appendix A, Standard Drawings, Vertical Pipeline Separation Requirements.

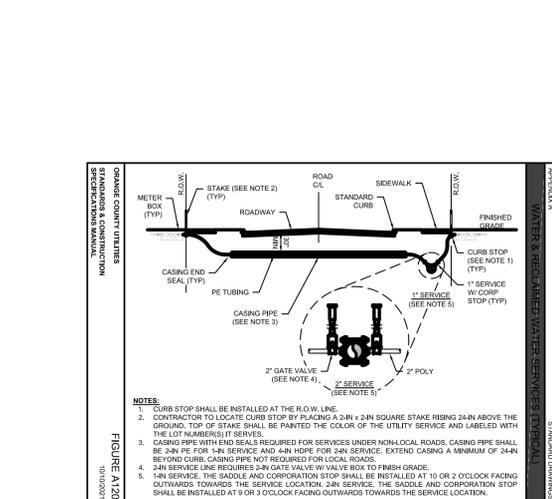
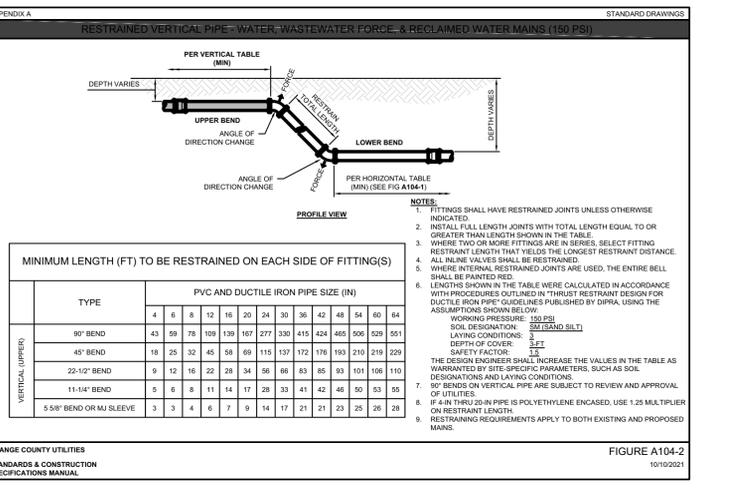
PROPOSED UTILITY	POTABLE WATER (NOTE 4)	RECLAIMED WATER MAIN (NOTE 4)	WASTEWATER FORCEMAIN (NOTE 3)	SANITARY SEWER (NOTE 3)	STORM SEWER (NOTE 3)
POTABLE WATER (NOTE 4)	12"	12"	12" / 18"	12" / 18"	12" / 18"
RECLAIMED WATER MAIN (NOTE 4)	12"	12"	12"	12"	12" / 18"
WASTEWATER FORCEMAIN	12"	12"	12"	12"	12" / 18"
SANITARY SEWER	12" / 18"	12"	12"	12"	12" / 18"

Appendix A, Standard Drawings, Horizontal Pipeline Separation Requirements.

PROPOSED UTILITY	POTABLE WATER (NOTE 4)	RECLAIMED WATER MAIN (NOTE 4)	WASTEWATER FORCEMAIN (NOTE 3)	SANITARY SEWER (NOTE 3)	STORM SEWER (NOTE 3)	STRUCTURAL FOUNDATION WALLS ALL SIZES (NOTE 6)
POTABLE WATER (NOTE 4)	4'-12"	3'	3'	3'	3'	3'
RECLAIMED WATER MAIN (NOTE 4)	4'-12"	3'	3'	3'	3'	3'
WASTEWATER FORCEMAIN	4'-12"	3'	3'	3'	3'	3'
SANITARY SEWER	4'-12"	3'	3'	3'	3'	3'

Appendix A, Standard Drawings, Restraints for Horizontal Water, Wastewater, Gas, & Reclaimed Water Mains (50 PSI).

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTINGS(S)	TYPE	PVC AND DUCTILE IRON PIPE SIZE (IN)														
HORIZONTAL	90° BEND	4	6	8	12	16	20	24	30	36	42	48	54	60	64	
		21	29	37	52	65	78	104	122	143	154	167	180	188	195	
		45° BEND	9	12	18	22	27	33	43	51	60	64	70	75	78	81
			9	12	18	22	27	33	43	51	60	64	70	75	78	81
		22-1/2° BEND	5	6	8	11	13	16	21	25	31	34	38	38	39	
			2	3	4	6	7	8	11	12	15	16	17	18	19	20
	5/8" BEND OR R/S SLEEVE	1	2	2	3	4	4	6	8	8	8	9	9	10	10	
		43	59	78	109	139	167	277	330	415	424	465	506	529	551	
	PLUG OR BRANCH OF TEAR (HEADS)	22	30	38	55	70	84	139	165	208	212	233	263	276		
		22	30	38	55	70	84	139	165	208	212	233	263	276		
	VALVE OR LINE STOP	22	30	38	55	70	84	139	165	208	212	233	263	276		
		22	30	38	55	70	84	139	165	208	212	233	263	276		
HOPE CONNECTION	18	26	34	49	62	75	125	151	174	203	223					
	18	26	34	49	62	75	125	151	174	203	223					



Appendix A, Standard Drawings, OCU GENERAL NOTES.

- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF INCLUDING, BUT NOT LIMITED TO, WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS, RECLAIMED WATER MAINS, ELECTRIC, GAS, CABLE TV, TELECOMMUNICATIONS, STORM WATER, FIBER OPTIC AND OTHER UNDERGROUND FACILITIES. MAIN LOCATIONS SHOWN ON PLANS MAY NOT BE EXACT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.
- SHOULD A PIPE EMERGENCY OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OCU DISPATCH OPERATOR (407-538-2777) AND THE OCU INSPECTOR.
- THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTION SECTION, FIELD SERVICES DIVISION AT LEAST 10 CALENDAR DAYS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION PROJECT BY CALLING (407) 254-9788.
- THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTOR IN ACCORDANCE WITH TABLE 4110-1 UTILITIES SCHEDULE OF NOTIFICATIONS IN THIS MANUAL.
- THE MATERIALS, PRODUCTS, AND CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE OCU SYSTEM SHALL BE IN CONFORMANCE WITH THE STANDARDS, CONSTRUCTION SPECIFICATIONS, AND APPENDIX D IN THIS MANUAL.
- ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO, WATER MAINS, FORCE MAINS, RECLAIMED WATER MAIN, SANITARY GRAVITY PIPES, STORM WATER PIPES, ELECTRIC, TELEPHONE, GAS, POLES AND STAYS, CABLE TV AND OTHER UTILITY FACILITIES WITHIN THE LIMITS OF THE PROJECT WILL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING OCU MAINS AND FACILITIES IN CONFLICT WITH NEW GRADE, NEW OR ALTERED ROADWAYS, SIDEWALKS, DRIVEWAYS, CURBS, OR STORM WATER IMPROVEMENTS. OCU FACILITIES TO BE ADJUSTED INCLUDE, BUT ARE NOT LIMITED TO, PIPELINES, PUMP STATIONS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, AND METERS. ALL ADJUSTMENTS SHALL BE MADE TO CURRENT STANDARDS.
- ONLY OCU PERSONNEL SHALL OPERATE EXISTING OCU WATER, WASTEWATER, AND RECLAIMED WATER VALVES. THE CONTRACTOR IS RESPONSIBLE FOR OPERATING ANY NEWLY INSTALLED VALVE THAT HAS NOT BEEN CLEARED FOR USAGE BY FDEP AND OCU. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH THE OCU INSPECTOR FOR OPERATION OF MAINS NOT OWNED BY OCU. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE APPROPRIATE UTILITY REPRESENTATIVE.
- CONSTRUCTION ACTIVITIES SHALL NOT CAUSE INTERRUPTIONS IN WATER, WASTEWATER, OR RECLAIMED WATER SERVICE. THE CONTRACTOR SHALL COORDINATE PRE-APPROVED INTERRUPTIONS OF SERVICE WITH THE OCU INSPECTOR 7 WORKING DAYS IN ADVANCE AND WRITTEN NOTICE SHALL BE GIVEN TO AFFECTED CUSTOMERS AT LEAST 4 WORKING DAYS IN ADVANCE.
- THE CONTRACTOR SHALL PROVIDE FOR BYPASSING AND / OR MAINTENANCE OF WASTEWATER DURING AFFECTED INTERRUPTIONS OF WASTEWATER FLOWS AND CONNECTIONS. THE CONTRACTOR SHALL SUBMIT A BYPASS OR HALL PLAN, REVIEWED AND APPROVED BY A PROFESSIONAL ENGINEER TO OCU DEVELOPMENT ENGINEERING AND TO THE INSPECTOR FOR APPROVAL PRIOR TO IMPLEMENTATION BY THE CONTRACTOR.
- ALL VALVES INSTALLED AS PART OF THIS CONSTRUCTION PROJECT SHALL REMAIN CLOSED DURING CONSTRUCTION. KEEP VALVES ON ALL WET TAP CLOSED UNTIL CLEARED BY FDEP. DO NOT CONNECT NEWLY CONSTRUCTED WATER MAINS TO ANY EXISTING WATER MAINS UNLESS CLEARED BY FDEP AND OCU.
- THE CONTRACTOR SHALL PROVIDE A JUMPER ASSEMBLY WITH AN APPROVED BACKFLOW PREVENTER FOR MAKING TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE IN ORDER TO CHEMTRIP AND FLUSH NEW WATER MAINS WITH POTABLE WATER. ANY TEMPORARY POTABLE WATER CONNECTIONS TO RECLAIMED WATER OR FORCE MAIN SHALL ALSO BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTER.
- FOR PVC PIPE, NO JOINT DEFLECTION OR PIPE BENDING IS ALLOWED. ALIGNMENT CHANGE SHALL BE MADE ONLY WITH FITTINGS.
- FOR DIP PIPE, LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE INSTALLED WITH STANDARD PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS, FITTINGS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL NOT EXCEED 75 PERCENT OF THE PIPE MANUFACTURER'S RECOMMENDATION.
- FOR APPROVED PVC OR HDPE PIPE USED IN A HORIZONTAL DIRECTIONAL DRILL INSTALLATION, THE CURVATURE AND/OR DEFLECTION SHALL NOT EXCEED THE PARAMETERS ESTABLISHED IN THIS MANUAL.
- ALL DAMAGE TO EXISTING OCU INFRASTRUCTURE, PIPELINES, AND ASSETS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH AN APPROVED METHOD BY THE COUNTY. IF THE REPAIR IS NOT PERFORMED IN A TIMELY MANNER, AS DETERMINED BY THE ORANGE COUNTY UTILITY INSPECTOR, ORANGE COUNTY MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR.
- THE CONTRACTOR SHALL BE LIABLE FOR ANY AND ALL SANITARY SEWER OVERFLOWS (SSO) ASSOCIATED WITH THE WORK. REGARDLESS OF FAULT, THE CONTRACTOR WILL BE ASSESSED FINES FOR ANY AND EACH SSO AS SPECIFIED IN SECTION 3110, GENERAL CONSTRUCTION REQUIREMENTS.

REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: LOGAN B. PETERS, PE
FLORIDA LICENSE NO. 88516

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SHEET TITLE: UTILITY-DETAILS-AND-NOTES

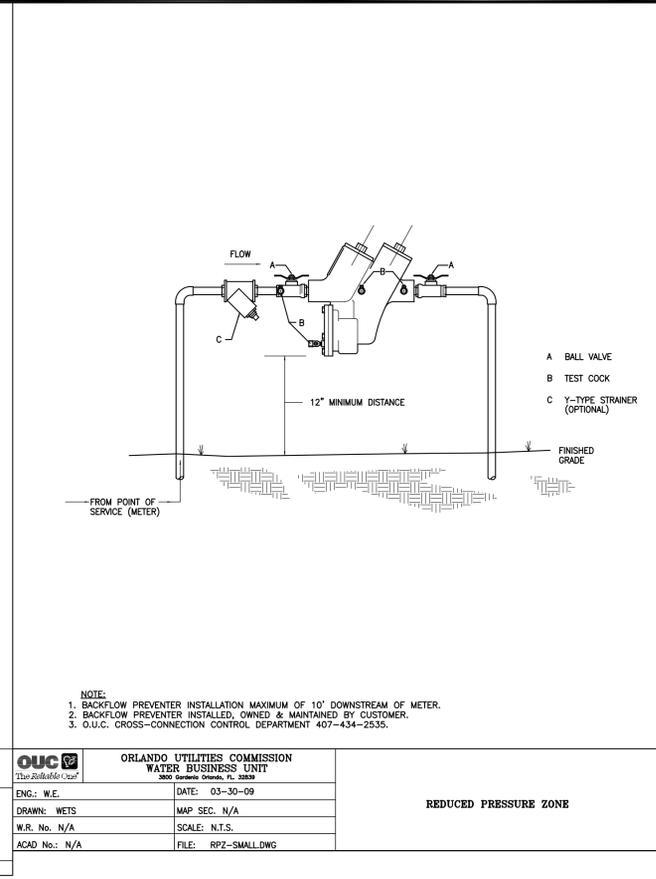
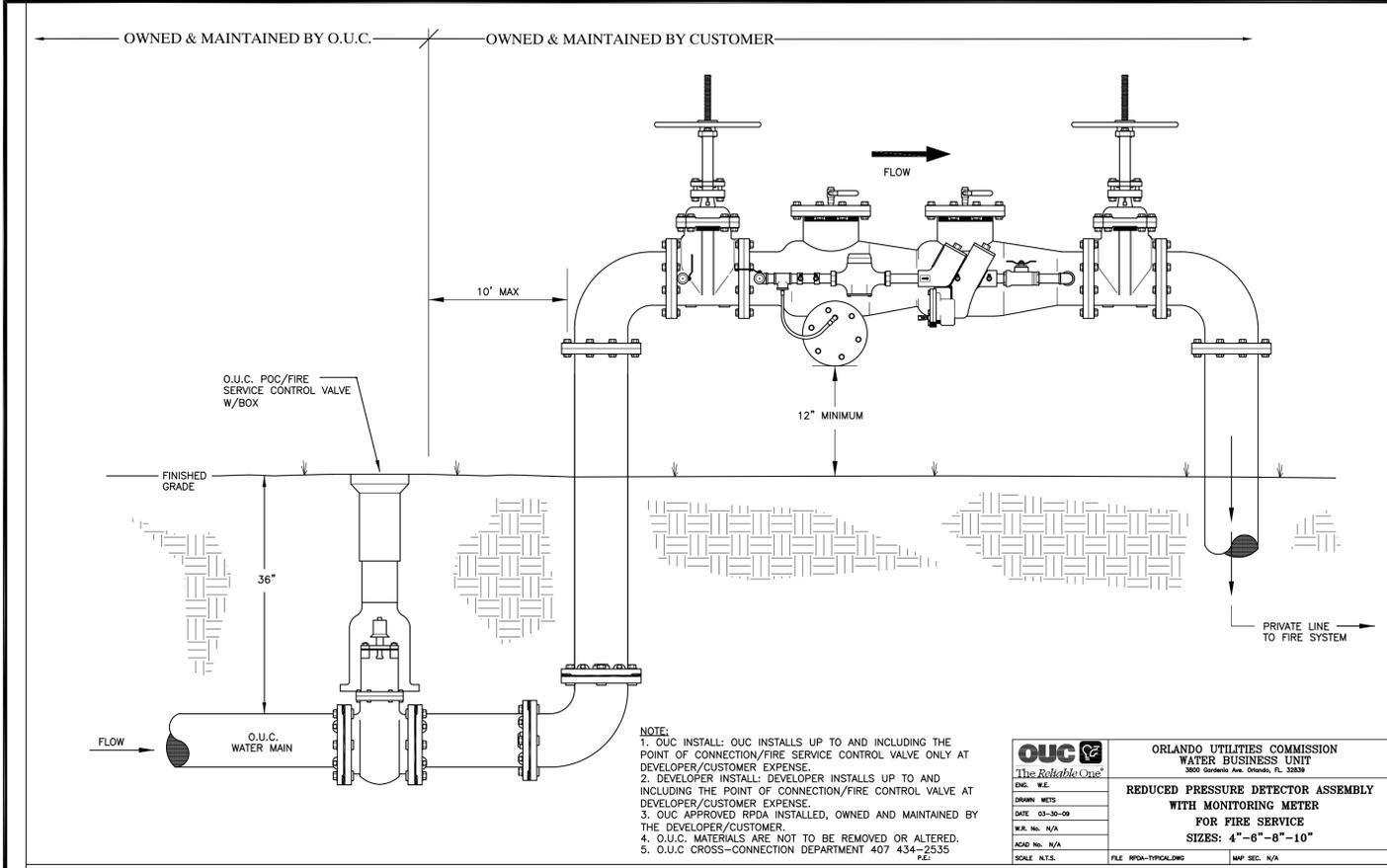
CLIENT: U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA

PROJECT: U-HAUL STORAGE FACILITY SKY LAKE

DATE: OCTOBER 2024
PROJECT NO: 634-23-02
SHEET NO: 001

ORANGE COUNTY UTILITY INSPECTOR

Permit # B23906938
Date: 12/1/25



NOTE:
 1. BACKFLOW PREVENTER INSTALLATION MAXIMUM OF 10' DOWNSTREAM OF METER.
 2. BACKFLOW PREVENTER INSTALLED, OWNED & MAINTAINED BY CUSTOMER.
 3. O.U.C. CROSS-CONNECTION CONTROL DEPARTMENT 407-434-2535.

OUC
 The Reliable OneSM
 ORLANDO UTILITIES COMMISSION
 WATER BUSINESS UNIT
 3800 Sorrento Ave. Orlando, FL 32839

REDUCED PRESSURE DETECTOR ASSEMBLY WITH MONITORING METER FOR FIRE SERVICE
 SIZES: 4"-6"-8"-10"

ENG. W.E. DATE: 03-30-09
 DRAWN: WETS MAP SEC. N/A
 W.R. No. N/A SCALE: N.T.S.
 ACAD No. N/A FILE: RPZ-SMALL.DWG

SCALE: N.T.S. FILE: RPZ-TYPICAL.DWG MAP SEC. N/A

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 The Reliable OneSM
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 WATER BUSINESS UNIT
 3800 Sorrento Ave. Orlando, FL 32839

ENG. W.E. DATE: 03-30-09
 DRAWN: WETS MAP SEC. N/A
 W.R. No. N/A SCALE: N.T.S.
 ACAD No. N/A FILE: RPZ-SMALL.DWG

REDUCED PRESSURE ZONE

- ORLANDO UTILITIES COMMISSION WATER ENGINEERING NOTES**
- THE DEVELOPER/CUSTOMER SHALL ACCOMPLISH ALL WATER MAIN AND SERVICE WORK THROUGH THE POINT OF SERVICE/CONTROL VALVE AND WATER METERS AND DEED TO OUC. OUC WILL OWN AND OPERATE UP TO AND INCLUDING THE OUC POINT OF SERVICE/CONTROL VALVE AND METERS ONLY. THE REQUIRED WORK SHALL BE PERFORMED PER CURRENT OUC GUIDELINES, OUC WATER DISTRIBUTION STANDARD SPECIFICATIONS AND OUC WATER DISTRIBUTION MATERIAL SPECIFICATIONS AND WATER DETAIL SHEET UNDER OUC INSPECTION. THE DEVELOPER/CUSTOMER MUST CONTACT OUC INSPECTION AT 407-649-4428 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO ANY WATER CONSTRUCTION.
 - A MINIMUM 4' CLEARANCE (INCLUDING LANDSCAPING) MUST BE MAINTAINED AROUND METER ASSEMBLY.
 - DOMESTIC/FIRE MASTER METER ASSEMBLY WILL BE PROVIDED BY OUC AT THE DEVELOPER/CUSTOMERS EXPENSE AND SHALL BE INSTALLED BY THE DEVELOPER/CUSTOMER. AFTER PAYMENT, ALLOW 30 DAYS FOR RECEIPT OF THE METER BY OUC. THE DEVELOPER/CUSTOMER SHALL ARRANGE PICKUP FROM THE OUC WAREHOUSE FACILITY THROUGH THE OUC INSPECTOR.
 - CONTACT OUC INSPECTION DEPARTMENT FOR APPROVED MATERIAL AND CONSTRUCTION SPECIFICATIONS PERTAINING TO THE INSTALLATION OF DUCTILE IRON PIPE VIA DIRECTIONAL OR JACK AND BORE METHOD.
 - THE DEVELOPER/CUSTOMER SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING OUC WATER FACILITIES BEFORE COMMENCEMENT OF CONSTRUCTION.
 - FOR WET TAPS, USE ONLY OUC APPROVED TAPPING CONTRACTORS:
 ACTION INDUSTRIES, INC. 352-732-6941 OR 800-216-4464
 CENTRAL FLORIDA TAPPING AND CONSTRUCTION SERVICES, INC. 407-834-8271
 MAC TAPPING, INC. 407-468-0557
 RANGELINE TAPPING SERVICES, INC. 800-346-5971
 GARRISON ENTERPRISE, INC. 352-409-4742
 - EASEMENTS:
 7. ALL ON-SITE OUC WATER FACILITIES (MANS, SERVICES, METERS, AND FIRE HYDRANTS) SHALL BE LOCATED WITHIN A UTILITY EASEMENT IN ACCORDANCE WITH CURRENT OUC PRIVATE PROPERTY GUIDELINES. THE DEVELOPER IS TO FURNISH ALL NECESSARY INFORMATION, INCLUDING LEGAL DESCRIPTION(S) TO PREPARE AND DOCUMENT THIS EASEMENT. PROJECT WORK ORDER NUMBERS FOR THE ASSOCIATED PROJECT SHALL BE INCLUDED ON ALL LEGAL DESCRIPTIONS PROVIDED. WATER METERS AND FIRE SERVICES WILL NOT BE ACTIVATED UNTIL THE FINAL EASEMENT(S) HAVE BEEN RECEIVED AND APPROVED BY OUC. ANY QUESTIONS OR COMMENTS PLEASE CONTACT OUC PROPERTY AND RIGHT OF WAY DEPARTMENT AT 407-434-2158.
 - CONNECTION TO EXISTING VALVE:
 8. CONTRACTOR TO VERIFY LOCATION, CONDITION AND PRESSURE TEST EXISTING VALVE PRIOR TO CONNECTION. IF VALVE DOES NOT HOLD REQUIRED PRESSURE TEST ADDITIONAL VALVE WILL BE REQUIRED AT DEVELOPERS/CONTRACTOR'S EXPENSE. ALL PRESSURE TESTS MUST BE WITNESSED BY AN OUC INSPECTOR.

- OU BACKFLOW PREVENTION REQUIREMENTS:
- BACKFLOW DEVICES WILL BE OWNED AND MAINTAINED BY CUSTOMER UNLESS OTHERWISE NOTED. ANY QUESTIONS CONTACT OUC BACKFLOW PREVENTION DEPARTMENT AT 407-649-4428.
 - DOMESTIC AND IRRIGATION: THE DEVELOPER/CUSTOMER IS RESPONSIBLE FOR THE REQUIRED REDUCED PRESSURE BACKFLOW PREVENTER. RESIDENTIAL DOMESTIC BACKFLOW PREVENTERS ARE NOW REQUIRED FOR ALL RESIDENTIAL CONNECTIONS. SPECIAL IRRIGATION METER ASSEMBLY SETUPS ARE REQUIRED FOR ALL CONNECTIONS USING OUC WATER FOR IRRIGATION. THESE WILL PROVIDE CUSTOMERS A SEWER CREDIT FOR IRRIGATION WATER.
 - FIRE LINE: THE DEVELOPER/CUSTOMER IS RESPONSIBLE FOR THE REQUIRED REDUCED PRESSURE DETECTOR CHECK ASSEMBLY W/MONITORING METER FOR BACKFLOW PREVENTION.
- AS - BUILT DRAWINGS:
- THE CUSTOMER/DEVELOPER SHALL PROVIDE VERTICAL AND HORIZONTAL AS-BUILT INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES. THE SUBMITTAL WILL INCLUDE A SIGNED AND SEALED DRAWING AND A CD WITH THE AS BUILT INFORMATION IN AUTOCAD FORMAT. AUTOCAD VERSIONS SHALL BE COORDINATED WITH OUC AND BE PROVIDED IN A FORMAT THAT CAN BE EASILY TRANSLATED TO OUC'S MOST RECENT VERSION.
 - STATE PLANES COORDINATES, EAST FLORIDA, NAD 1983-90 IS THE REQUIRED COORDINATE SYSTEM. ALL DRAWINGS WILL BE BASED ON THIS SYSTEM AND EXISTING FEATURES I.E. EDGE OF PAVEMENT, ROAD INTERSECTIONS, BUILDINGS MUST BE REFERENCED TO AID IN THE LOCATING OF PROJECT INFRASTRUCTURE IN OUC'S GEOGRAPHIC INFORMATION SYSTEM. IF NO EXISTING FEATURES ARE SHOWN AT LEAST 2 STATE PLANE COORDINATE POINTS MUST BE SURVEYED AND BENCH MARKED.
 - AS-BUILT INFORMATION FOR THE WATER SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 1. LOCATION OF ALL VALVES, FITTINGS, HYDRANTS, AND SERVICES.
 2. LOCATION OF THE WATER MAIN TIED HORIZONTALLY TO THE BACK OF CURB OR EDGE OF PAVEMENT.
 3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.
 4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING PLANS.
 - THE CONTRACTOR SHALL CUT "W" IN THE TOP CURB OF EACH WATER SERVICE AND A "V" AT ALL VALVE LOCATIONS. CUT WS AND VS SHALL BE HIGHLIGHTED WITH BLUE PAINT.

REVISIONS			
NO.	DATE	DESCRIPTION	DRWN/ APPR

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, o=U.S. unaffiliated,
 email=james.jones@jbpro.com, ou=2025, c=US, postalCode=32086

ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821

11/12/2025

STATE OF FLORIDA
 PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADJACENT TO THE SEAL.
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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SHEET TITLE:
POTABLE-WATER-DETAILS-AND-NOTES

CLIENT:
**U-HAUL COMPANY OF FLORIDA
 JACKSONVILLE, FLORIDA**

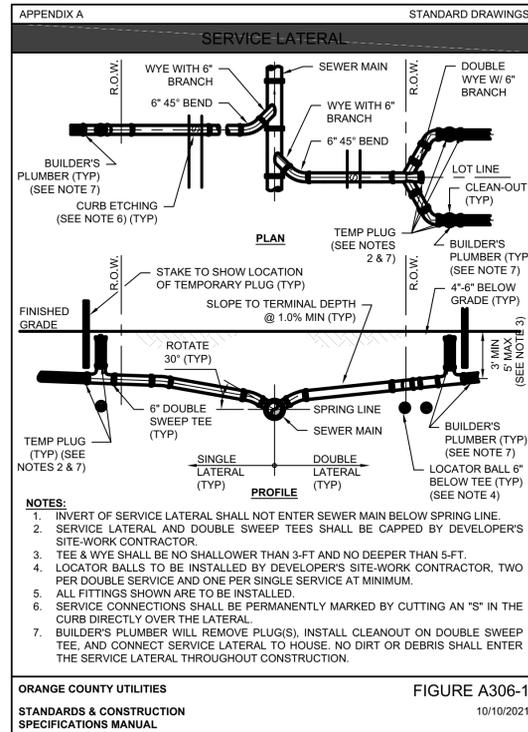
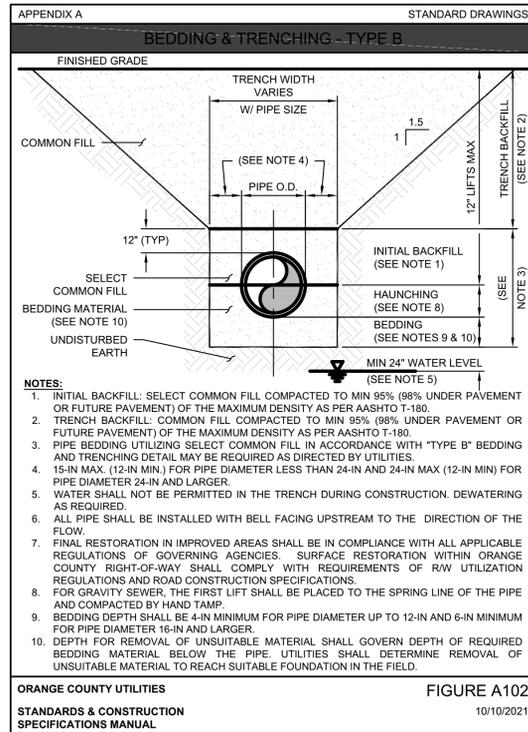
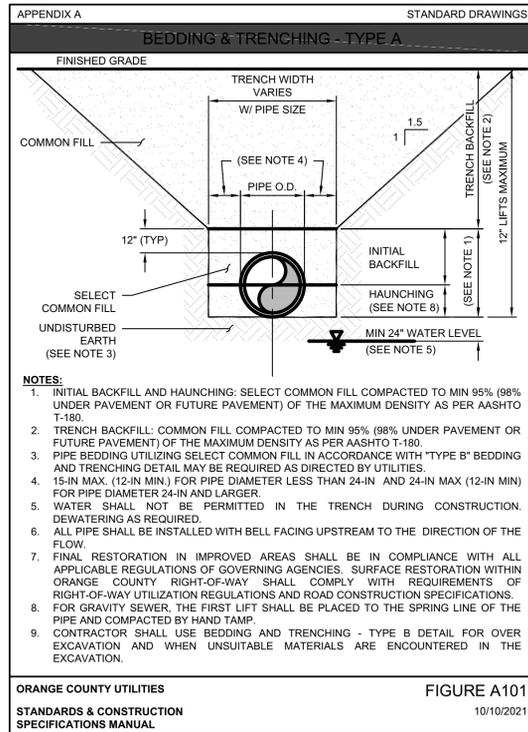
DATE:
NOVEMBER 2025

PROJECT NO:
634-23-02

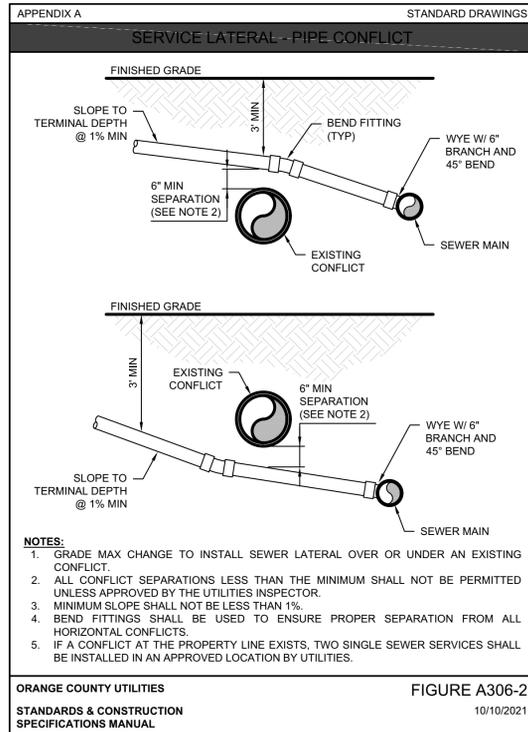
SHEET NO:
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ORANGE COUNTY DEPARTMENT OF BUILDING SAFETY
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Permit # **B23906938**
 Date: **12/12/25**



- APPENDIX A STANDARD DRAWINGS
- OCU GENERAL NOTES**
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF INCLUDING, BUT NOT LIMITED TO, WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS, RECLAIMED WATER MAINS, ELECTRIC, GAS, CABLE TV, TELECOMMUNICATIONS, STORM WATER, FIBER OPTIC AND OTHER UNDERGROUND FACILITIES. MAIN LOCATIONS SHOWN ON PLANS MAY NOT BE EXACT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.
 - SHOULD A PIPE EMERGENCY OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OCU DISPATCH OPERATOR (407-68-2777) AND THE OCU INSPECTOR.
 - THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTION SECTION, FIELD SERVICES DIVISION AT LEAST 10 CALENDAR DAYS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION PROJECT BY CALLING (407) 254-9798.
 - THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTOR IN ACCORDANCE WITH TABLE 4110-1 "UTILITIES SCHEDULE OF NOTIFICATIONS IN THIS MANUAL."
 - THE MATERIALS, PRODUCTS, AND CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE OCU SYSTEM SHALL BE IN CONFORMANCE WITH THE STANDARDS, CONSTRUCTION SPECIFICATIONS, AND APPENDIX D IN THIS MANUAL.
 - ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO, WATER MAINS, FORCE MAINS, RECLAIMED WATER MAIN, SANITARY GRAVITY PIPES, STORM WATER PIPES, ELECTRIC, TELEPHONE, GAS, POLES AND STAYS, CABLE TV AND OTHER UTILITY FACILITIES WITHIN THE LIMITS OF THE PROJECT WILL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL ADJUST ALL EXISTING OCU MAINS AND FACILITIES IN CONFLICT WITH NEW GRADE, NEW OR ALTERED ROADWAYS, SIDEWALKS, DRIVEWAYS, CURBS, OR STORM WATER IMPROVEMENTS. OCU FACILITIES TO BE ADJUSTED INCLUDE, BUT ARE NOT LIMITED TO, PIPELINES, PUMP STATIONS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, AND METERS. ALL ADJUSTMENTS SHALL BE MADE TO CURRENT STANDARDS.
 - ONLY OCU PERSONNEL SHALL OPERATE EXISTING OCU WATER, WASTEWATER, AND RECLAIMED WATER VALVES. THE CONTRACTOR IS RESPONSIBLE FOR OPERATING ANY NEWLY INSTALLED VALVE THAT HAS NOT BEEN CLEARED FOR USAGE BY FDEP AND OCU. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH THE OCU INSPECTOR. FOR OPERATION OF MAINS NOT OWNED BY OCU, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE APPROPRIATE UTILITY REPRESENTATIVE.
 - CONSTRUCTION ACTIVITIES SHALL NOT CAUSE INTERRUPTIONS IN WATER, WASTEWATER, OR RECLAIMED WATER SERVICE. THE CONTRACTOR SHALL COORDINATE PRE-APPROVED INTERRUPTIONS OF SERVICE WITH THE OCU INSPECTOR 7 WORKING DAYS IN ADVANCE AND WRITTEN NOTICE SHALL BE GIVEN TO AFFECTED CUSTOMERS AT LEAST 4 WORKING DAYS IN ADVANCE.
 - THE CONTRACTOR SHALL PROVIDE FOR BYPASSING AND / OR HAULING OF WASTEWATER DURING APPROVED INTERRUPTIONS OF WASTEWATER FLOWS AND CONNECTIONS. THE CONTRACTOR SHALL SUBMIT A BYPASS OR HAUL PLAN, REVIEWED AND APPROVED BY A PROFESSIONAL ENGINEER TO OCU DEVELOPMENT ENGINEERING AND TO THE INSPECTOR FOR APPROVAL PRIOR TO IMPLEMENTATION BY CONTRACTOR.
 - ALL VALVES INSTALLED AS PART OF THIS CONSTRUCTION PROJECT SHALL REMAIN CLOSED DURING CONSTRUCTION. KEEP VALVES ON ALL WET TAPS CLOSED UNTIL CLEARED BY FDEP. DO NOT CONNECT NEWLY CONSTRUCTED WATER MAINS TO ANY EXISTING WATER MAINS UNLESS CLEARED BY FDEP AND OCU.
 - THE CONTRACTOR SHALL PROVIDE A JUMPER ASSEMBLY WITH AN APPROVED BACKFLOW PREVENTER FOR MAKING TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE IN ORDER TO CHLORINATE AND FLUSH NEW WATER MAINS WITH POTABLE WATER. ANY TEMPORARY POTABLE WATER CONNECTIONS TO RECLAIMED WATER OR FORCE MAIN SHALL ALSO BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTER.
 - FOR PVC PIPE, NO JOINT DEFLECTION OR PIPE BENDING IS ALLOWED. ALIGNMENT CHANGE SHALL BE MADE ONLY WITH FITTINGS.
 - FOR DIP PIPE, LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE INSTALLED WITH STANDARD PIPE WITH DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS, FITTINGS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL NOT EXCEED 75 PERCENT OF THE PIPE MANUFACTURER'S RECOMMENDATION.
 - FOR APPROVED PVC OR HDPE PIPE USED IN A HORIZONTAL DIRECTIONAL DRILL INSTALLATION, THE CURVATURE AND/OR DEFLECTION SHALL NOT EXCEED THE PARAMETERS ESTABLISHED IN THIS MANUAL.
 - ALL DAMAGE TO ORANGE COUNTY INFRASTRUCTURE, PIPELINES, AND ASSETS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH AN APPROVED METHOD BY THE COUNTY. IF THE REPAIR IS NOT PERFORMED IN A TIMELY MANNER, AS DETERMINED BY THE ORANGE COUNTY UTILITY INSPECTOR, ORANGE COUNTY MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR.
 - THE CONTRACTOR SHALL BE LIABLE FOR ANY AND ALL SANITARY SEWER OVERFLOWS (SSO) ASSOCIATED WITH THE WORK, REGARDLESS OF FAULT. THE CONTRACTOR WILL BE ASSESSED PENALTIES FOR ANY AND EACH SSO AS SPECIFIED IN SECTION 3110, GENERAL CONSTRUCTION REQUIREMENTS.
- ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL
- FIGURE GN 10/10/2021



APPENDIX A STANDARD DRAWINGS

VERTICAL PIPELINE SEPARATION REQUIREMENTS

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, F.A.C. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), F.A.C. 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.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

FIGURE A116-2 10/10/2021

APPENDIX A STANDARD DRAWINGS

HORIZONTAL PIPELINE SEPARATION REQUIREMENTS

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					
POTABLE WATER (NOTE 3)	4"-12"	3'	5'	3'	5'	6'	6'	3'	10'
RECLAIMED WATER MAIN (SEE NOTE 7)	4"-12"	3'	5'	3'	5'	3'	3'	3'	10'
	16"-UP	5'	5'	5'	5'	5'	5'	5'	15' (NOTE 5)
WASTEWATER FORCEMAIN	4"-12"	6'	6'	3'	5'	3'	3'	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, F.A.C. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), F.A.C. 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.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

FIGURE A116-1 10/10/2021

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REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

James L. Jones
 Digitally signed by James L. Jones
 DN: cn=James L. Jones, c=US, ou=unfiled, email=james.jones@jbpro.com, Date: 2025.11.22 11:28:27 AM

ENGINEER OF RECORD: JAMES LEE JONES III, PE
 FLORIDA LICENSE NO. 98821

11/22/2025

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES LEE JONES III, PE ON THE DATE ADJACENT TO THE SEAL.

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SHEET TITLE: **WASTEWATER-DETAILS-AND-NOTES**

DATE: **NOVEMBER 2025**

PROJECT NO: **634-23-02**

CLIENT: **U-HAUL COMPANY OF FLORIDA JACKSONVILLE, FLORIDA**

PROJECT: **U-HAUL STORAGE SKY LAKE**

ORANGE COUNTY DEPARTMENT OF BUILDING SAFETY

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Date: **12/12/25**