COUNTRY CLUB POINTE REDEVELOPMENT

2235 SOUTH WOODLAND BOULEVARD
DELAND, FLORIDA 32720

VICINITY MAP



LOCATION MAP



LEGAL DESCRIPTION

ALL OF THE SOUTH ONE-HALF (1/2) OF THE NORTHEAST ONE-QUARTER (1/4) OF THE SOUTHWEST ONE-QUARTER (1/4) WEST OF OLD STATE ROAD 3 AND EAST OF U.S. 17-92, LESS THE SOUTH 186.48 FEET THEREOF, IN SECTION 28, TOWNSHIP 17 SOUTH, RANGE 30 EAST, VOLUSIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

ALL OF THE SOUTH ONE-HALF (1/2) OF THE NORTHEAST ONE-QUARTER (1/4) OF THE SOUTHWEST ONE-QUARTER (1/4) WEST OF OLD STATE ROAD 3 AND EAST OF U.S. 17-92, LESS THE SOUTH 279.68 FEET THEREOF, IN SECTION 28, TOWNSHIP 17 SOUTH, RANGE 30 EAST, VOLUSIA COUNTY, FLORIDA.

AND

THE NORTH 93.2 FEET OF THE SOUTH 279.68 FEET OF THE SOUTH ONE-HALF (1/2) OF THE NORTHEAST ONE-QUARTER (1/4) OF THE SOUTHWEST ONE-QUARTER (1/4) WEST OF OLD STATE ROAD AND EAST OF NEW STATE ROAD (O.R. BOOK 1586, PAGE 747), IN SECTION 28, TOWNSHIP 17 SOUTH, RANGE 30 EAST, VOLUSIA COUNTY, FLORIDA.

OWNER & CONSULTANTS

OWNER
DELAND STRIP CENTER LLC – FS – FEE SIMPLE – 100%
2469 JOHN YOUNG PARKWAY
ORLANDO, FL 32804

CIVIL ENGINEER
INTERPLAN LLC
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008
CONTACT: CHRIS BLURTON
EOR: STUART ANDERSON, PE

ARCHITECT
FWH ARCHITECTS, INC.
3336 GRAND BOULEVARD, SUITE 201
HOLIDAY, FL 34690
727-815-3336
CONTACT: BRENDA ROONEY

REVISION ISSUE LOG

REV #	ISSUE DATE	DESCRIPTION	AFFECTED SHEETS	REMARKS	BY
1	01/15/26	CITY OF DELAND COMMENTS	C0.0, C0.1, C0.2, C1.0, C2.0, C3.0, C3.2		CDB
2	03/17/26	FDOT DRAINAGE COMMENTS	C0.2, C1.0, C3.0		CDB
3	04/01/26	SJRWMD COMMENTS	C1.0		CDB
4	04/01/26	OWNER REVISIONS	C0.1, C1.0, C3.0, C4.0		CDB
5	04/15/26	CITY OF DELAND COMMENTS	C0.1, C1.0, C2.0, C3.0, C3.2, C4.0, SL1		CDB
6	05/27/26	CITY OF DELAND COMMENTS	C2.0		CDB
7	06/11/26	OWNER REVISIONS	C2.0, C3.0		CDB

SHEET INDEX

SHT. NO.	DESCRIPTION
C0.0	COVER SHEET
	CIVIL DRAWINGS
C0.1	GENERAL NOTES
C0.2	SITE DEMOLITION PLAN
C1.0	SITE DIMENSION PLAN
C2.0	SITE UTILITY PLAN
C2.1	LIFT STATION DETAILS
C3.0	SITE GRADING & DRAINAGE PLAN
C3.1	STORMWATER POLLUTION PREVENTION PLAN
C3.2	STORMTECH SC-800 DETAILS
C4.0	CIVIL DETAILS
C4.1	CITY DETAILS
SL1	SITE LIGHTING PLAN
L1.0	LANDSCAPE PLAN
L2.0	IRRIGATION PLAN
L3.0	TREE PROTECTION PLAN
–	SURVEY
–	LOT 1 BUILDING ELEVATIONS
–	LOT 2 BUILDING ELEVATIONS
–	PRELIMINARY PLAT SHEET 1
–	PRELIMINARY PLAT SHEET 2

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

7 6/11/26 OWNER REVISIONS
1 3/3/26 CITY COMMENTS
NO DATE REMARKS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C0.0
COVER SHEET

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

EROSION CONTROL NOTES

ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES.

2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

3. ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.

5. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.

6. THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.

7. CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE OF PROPERTY LINE.

8. CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO SITE.

9. ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.

10. FOR ADDITIONAL INFORMATION AND DETAILS, **SEE F.D.O.T. INDEX NO. 102**.

11. UNLESS SPECIFIED, SILT FENCES MAY BE USED IN LIEU OF HAY BARRIERS.

12. ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.

13. ADDITIONAL BARRIER LENGTHS MAY BE REQUIRED BY THE COUNTY ENGINEER OR BY REGULATORY AGENCIES.

14. FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR HAY BALES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.

15. THE CONTRACTOR IS REQUIRED TO HAVE THE EROSION CONTROL PLAN POSTED IN A VISIBLE LOCATION ON THE CONSTRUCTION SITE AT ALL TIMES.

16. NON STORMWATER DISCHARGES SUCH AS FIRE HYDRANT FLUSHING, ETC SHALL BE DISCHARGED TO EXISTING UNDERGROUND STORMWATER FACILITY.

17. ANY POTENTIALLY HAZARDOUS CHEMICALS BROUGHT ONTO THE JOB SITE WILL BE LIMITED AND KEPT IN ORIGINAL CONTAINER WITH MSDS LABEL.

18. NO SILT SHALL BE TRACKED ONTO PUBLIC ROADWAYS. ANY SILT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED BY THE END OF THE WORK DAY.

LEGENDS

	PROPOSED
PROPOSED CONTOUR MEET EXISTING GRADE	73.50 MEG
EDGE OF PAVEMENT	EOP
SIDEWALK	SW
GRADE BREAK	GB
HIGH POINT	HP
SPOT ELEVATION	12.55
DIRECTION OF FLOW AND PERCENT SLOPE	1.0%
STORM SEWER & INLET	
YARD DRAIN INLET	
DOWN SPOUT DRAINS	DSD
SANITARY SEWER & MANHOLE	SS
GREASE TRAP	
CLEANOUT	C.O.
FORCE MAIN	FM
WATER SERVICE	W
WATER MAIN	WM
FIRE HYDRANT	W
DDCVA	
FDC	
WATER METER	M
BACKFLOW PREVENTION DEVICE (BFP)	
GATE VALVE	
REDUCER	
UNDERGROUND TELEPHONE	UGT
UNDERGROUND ELECTRIC	UGE
SITE LIGHTING	
TRANSFORMER	T
AIR CONDITIONING UNIT	AC
PARKING SPACE TOTALS	8
DETAIL NUMBER SHEET NUMBER	2 C4
ZONING	B-3
CURRENT LAND USE	VACANT

DEMOLITION NOTES

1. PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE HIS ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

2. THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS THAT IS SO INDICATED INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED; STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.

3. EXCEPT IN AREAS WHERE EXISTING TREES SHALL BE PRESERVED, A MINIMUM DEPTH OF REMOVAL SHALL BE (2) FOOT BELOW SUBGRADE IN ROADWAY AREAS AND TO ORIGINAL SOILS ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.

4. WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), RESTORATION OF ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

5. THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXISTANCE & LOCATION OF ALL STRUCTURES, UTILITIES & TREES SHOWN OR NOT ON THE PLANS, WHICH WOULD NEED TO BE REMOVED OR PRESERVED.

6. THE CONTRACTOR IS TO COORDINATE THE RELOCATION OR REMOVAL OF ALL OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE SERVICE PROVIDER.

7. THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF A FLORIDA REGISTERED LAND SURVEYOR).

DISINFECTING & TESTING NOTES

WATER MAINS THAT ARE INCLUDED IN THIS PROJECT THAT WILL BE CONSTRUCTED OF POLYVINYL CHLORIDE PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C605. ALL OTHER WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600.

LEAKAGE TESTS ARE REQUIRED AS FOLLOWS: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE PIPE; 2) EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET; 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C 828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.

DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651 DISINFECTING WATER MAINS. **SATISFACTORY BACTERIOLOGICAL TEST RESULTS SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.**

THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE ACTIVE EXISTING MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF THE NEW MAIN, AS SPECIFIED IN AWWA C651-92.

CONTRACTOR SHALL UTILIZE A JUMPER CONNECTION DURING WATER MAIN TESTING. ALTERNATE TYPES OF BACKFLOW PREVENTION MAY BE UTILIZED AS APPROVED BY INSPECTION STAFF AND ENGINEER.

UTILITY SEPARATION NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

UTILITY CONTACTS

1

WATER/ SEWER	**CITY OF DELAND** **1102 SOUTH AMELIA AVENUE** **DELAND, FL 32720** **PHONE: 386-626-7252**
ELECTRIC	**DUKE ENERGY** **400 N. SPRING GARDEN AVE.** **DELAND, FL 32720**

UTILITY NOTES

PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, INCLUDING WITHOUT LIMITATION POTABLE WATER, RECLAIMED WATER, SANITARY SEWER, AND SERVICE UTILITIES, AT POINTS OF CONNECTION, POINTS OF CROSSING, AND/OR POTENTIAL CONFLICT. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS.

A. GENERAL

1. THE LOCATIONS OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO LIABILITY FOR ACCURACY AND COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND TO HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.

2. DUE TO GRAPHIC LIMITATIONS OF THE DRAWING SCALE, ALL STORM SEWER, DRAINAGE, WATER AND SANITARY SEWER MAINS, SERVICES, LATERALS, CONNECTIONS, AND APPURTENANCES DEPICTED HEREIN - UNLESS OTHERWISE LOCATED BY DIMENSIONS - REFLECT SCHEMATIC LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATIONS IN ACTUAL CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, INCLUDING ANY REQUISITE COORDINATION WITH THE RESPECTIVE GOVERNING AGENCY/UTILITY PROVIDER.

3. ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE **CITY OF DELAND**, AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.

4. CONTRACTOR SHALL INSPECT PIPING AND MATERIALS BEFORE INSTALLATION TO DETECT APPARENT DEFECTS. MARK DEFECTIVE MATERIALS WITH WHITE PAINT AND PROMPTLY REMOVE FROM SITE.

5. LAY SEWER PIPING BEGINNING AT LOW POINT OF SYSTEM (CONNECTION TO OFF SITE SYSTEM OR PUMP STATION), TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERTS. PLACE BELL ENDS OR GROOVE ENDS OF PIPING FACING UPSTREAM.

6. CLEAR INTERIOR OF PIPE OF DIRT AND OTHER SUPERFLUOUS MATERIAL AS WORK PROGRESSES. MAINTAIN SWAB OR DRAG IN LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED. PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT WHENEVER WORK STOPS.

7. MAINTAIN **36"** COVER OVER MAINS, AND 30" OVER SERVICES/LATERALS.

8. WHEN PROPOSED CONSTRUCTION OCCURS AT EXISTING MANHOLES, INLETS, VAULTS, AND OTHER STRUCTURES, THE CONTRACTOR SHALL MODIFY THE STRUCTURES, FRAMES, AND GRATES TO MEET THE PROPOSED GRADES UNLESS OTHERWISE DIRECTED.

9. INSTALL CONTINUOUS LOCATOR TAPE/WIRE, LOCATED DIRECTLY OVER POTABLE WATER MAINS AND SANITARY SEWER MAINS AT 6" TO 8" ABOVE PIPE.

10. WHERE APPLICABLE, UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACK FILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH A.A.S.H.T.O.-T-99.

11. CONTRACTOR SHALL PROVIDE SLEEVES FOR IRRIGATION LINES UNDER PAVEMENT. COORDINATE WITH GENERAL CONTRACTOR.

12. ALL TRENCHES EXCAVATED FOR THE PURPOSES OF UTILITY/STORM INSTALLATION SHALL BE KEPT DRY FOR THE DURATION OF UTILITY/STORM CONSTRUCTION. DEWATERING OF UTILITY/STORM TRENCHES MAY BE REQUIRED TO PREVENT FLOTATION OF UTILITY/STORM PIPES DURING INSTALLATION.

13. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS COMPLETE FOR WATER, WASTEWATER AND STORMWATER SYSTEMS SO TIMELY CERTIFICATIONS MAY BE INITIATED. SATISFACTORY BACTERIOLOGICAL TEST RESULTS, PRESSURE TEST RESULTS, AND AN AS BUILT SURVEY SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.

14. SUITABLE COUPLINGS COMPLYING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINING DISSIMILAR MATERIALS.

15. DEFLECTION TESTS ARE REQUIRED FOR ALL FLEXIBLE PIPE. TESTING REQUIREMENTS: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5%; 2) USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THEN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE; 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.

B. MATERIALS (WATER)

1. SERVICE PIPE SHALL BE POLYETHYLENE (PE), DR9.

2. WATER MAINS SHALL BE PVC ASTM C900, DR 18 WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM C3139 AND GASKETS PER ASTM F477.

3. DUCTILE IRON PIPE (D.I.P.), IF REQUIRED, SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS 50 (MIN.) PIPE FOR ALL SIZES.

4. CORPORATION STOPS SHALL BE 1 1/2" BRASS, EQUIPPED WITH CONNECTIONS COMPATIBLE WITH SERVICE PIPE AND THREADED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800. CURB STOPS SHALL BE SIZED TO MATCH THE METER SIZE AND CONFORM WITH AWWA C800 AND AWWA C901.

5. FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH AWWA C800 AND AWWA C901, WITH COMPATIBLE PIPE CONNECTIONS.

6. SERVICE SADDLES SHALL BE USED FOR ALL SERVICE LINE TAPS. SERVICE SADDLES SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY. FOR PVC PIPE, DOUBLE STRAPS SHALL BE CORROSION RESISTANT ALLOY STEEL, SIZED EXACTLY TO THE PIPE OUTSIDE DIAMETER. SEALING GASKETS SHALL BE BUNA-N RUBBER.

7. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED USING BLUE AS A PREDOMINANT COLOR.

C. MATERIALS (SEWER)

1. ALL GRAVITY SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.

2. ALL FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR PRIOR-APPROVED EQUAL.

3. BEDDING AND INITIAL BACK FILL OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER.

D. MATERIALS (STORM)

1. REINFORCED CONCRETE PIPE (RCP): O-RING PIPE SHALL CONFORM TO ASTM C 76 (CLASS III, UNLESS OTHERWISE SPECIFIED) AND AASHTO M 170 STANDARD SPECIFICATIONS, AND ASTM C 443 STANDARD SPECIFICATION FOR JOINTS FOR RCP USING RUBBER GASKETS.

2. ELLIPTICAL RCP SHALL CONFORM TO ASTM C 507 (CLASS III) AND AASHTO M 207 STANDARD SPECIFICATIONS.

3. HDPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M-25 (3"-10"), M-294 (12" AND LARGER), TYPE S (CORRUGATED OUTSIDE - SMOOTH INSIDE, 4"-60"), AND MP7 (60" TYPE S).

A. BELL/SPIGOT GASKET FOR HDPE PIPE SHALL BE SOIL/SILT TIGHT PER AASHTO SECTION 26 WITH RUBBER GASKET MEETING ASTM F-477.

4. PVC STORM SEWER PIPE (12" OR LESS) AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.

GENERAL NOTES

A. GENERAL

1. ALL INFRASTRUCTURE AND IMPROVEMENTS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE LOCAL JURISDICTION AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.

2. SITE LOCATION: **2235 SOUTH WOODLAND BOULEVARD, DELAND, FL 32720.**

3. THIS SITE LIES IN FLOOD ZONE **X**, F.I.R.M. **12127C0610J,** DATED **02/19/2014**.

4. BOUNDARY, TOPOGRAPHIC, AND TREE SURVEY BY **ACCURIGHT SURVEYS OF ORLANDO INC., 2012 EAST ROBINSON STREET, ORLANDO, FLORIDA 32803**.

5. BENCHMARK - REFER TO TOPOGRAPHIC SURVEY BY **ACCURIGHT SURVEYS OF ORLANDO INC.**.

6. LEGAL DESCRIPTION SHOWN HEREIN IS FURNISHED BY SURVEYOR, AND IS INCLUDED FOR PERMITTING AND APPROVAL PURPOSES, AND AS A COURTESY FOR THE CONTRACTOR. INTERPLAN LLC. ASSUMES NO LIABILITY FOR ITS ACCURACY OR COMPLETENESS.

7. SITE GEOTECHNICAL INVESTIGATION PERFORMED BY **UES** ENGINEERING. INTERPLAN LLC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, ACCURACY AND COMPLETENESS OF THEIR WORK. **THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT FOR THIS SITE AND COMPLY WITH RECOMMENDATIONS CONTAINED THEREIN.** IF ADDITIONAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL MAKE A REQUEST TO THE OWNER.

8. CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL DEVICES (SILT FENCE OR OTHER METHODS) AT LIMITS OF CONSTRUCTION AND AROUND EACH STORM INLET PRIOR TO CONSTRUCTION, AND SHALL MAINTAIN SAID EROSION CONTROL DEVICES DURING CONSTRUCTION, ALL IN CONFORMANCE WITH CURRENT LOCAL, COUNTY AND STATE CRITERIA.

9. THE SITE SHALL BE CLEARED AS MAY BE NOTED ON THE PLANS, OF ALL OBSTRUCTIONS AND DELETERIOUS MATERIAL SUCH AS FENCES, WALLS, FOUNDATIONS, LOGS, SHRUBS, BRUSH, WEEDS, OTHER VEGETATION, AND ACCUMULATION OF RUBBISH OF WHATEVER NATURE. OFF-SITE DISPOSAL, INCLUDING ANY HAZARDOUS MATERIAL ENCOUNTERED, SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.

10. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY INTERPLAN LLC. OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.

11. THE CONTRACTOR SHALL REMAIN SOLELY RESPONSIBLE FOR ANY DESIGN CHANGES WHICH HE MAY INCORPORATE INTO THE PLANS WITHOUT PRIOR WRITTEN CONSENT AND/OR APPROVAL FROM THE OWNER AND THE ENGINEER.

12. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN EACH EXISTING RIGHT OF WAY WITH THE CITY OF **DELAND** AND THE FLORIDA DEPARTMENT OF TRANSPORTATION.

13. SCS SOILS: **ASTULA FINE SAND, 0 TO 8 PERCENT SLOPES**
ASTULA FINE SAND, 8 TO 17 PERCENT SLOPES

14. STORMWATER MANAGEMENT IS PROVIDED BY **DRY RETENTION (ABOVE/UNDERGROUND)**.

15. THE CONTRACTOR SHALL RESTORE OFF-SITE AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCEMENT OF CONSTRUCTION.

16. ALL DISTURBED AREAS SHALL BE SODDED.

17. AT LEAST 30 DAYS PRIOR TO ANTICIPATED COMPLETION OF SITE CONSTRUCTION, THE FINAL CERTIFICATION PROCESS WILL BEGIN. THE CONTRACTOR SHALL PROVIDE DOCUMENTS AND INFORMATION, IN A TIMELY MANNER, TO ENGINEER, INCLUDING, WITHOUT LIMITATION:
a. SURVEYED "AS-BUILTS" PER AS-BUILT SURVEY SCOPE IN SPEC MANUAL.
b. COMPACTION AND DENSITY TEST REPORTS, AND
c. PRESSURE TESTING AND BACTERIOLOGICAL TESTING RESULTS, AS REQUIRED, FOR WATER DISTRIBUTION AND/OR WASTEWATER COLLECTION/TRANSMISSION SYSTEMS.

THE CONTRACTOR SHALL HAVE TWO (2) SETS OF AS-BUILT PLANS, SIGNED AND SEALED BY SURVEYOR OF RECORD, ON SITE THE DAY OF THE CIVIL ENGINEERING FINAL PUNCH LIST INSPECTION. THE GENERAL CONTRACTOR IS TO GIVE THE TWO AS-BUILT PLANS TO THE REPRESENTATIVE FROM INTERPLAN COMPLETING THE INSPECTION. IF ANY DEFICIENCIES ARE NOTED, ONE SET OF RED-LINED AS-BUILT PLANS WILL BE GIVEN TO THE GC FOR REVISIONS TO BE MADE. REVISED AS-BUILTS WILL NEED TO BE FORWARDED TO INTERPLAN BEFORE ANY CERTIFICATIONS CAN BE INITIATED.

18. ALL TRAFFIC CONTROL DEVICES, EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND/OR FLORIDA DEPARTMENT OF TRANSPORTATION.

19. PARKING STALLS SHALL CONFORM WITH LOCAL CODE. ACCESSIBLE PARKING SPACES AND ACCESS ROUTES SHALL FURTHER CONFORM WITH CURRENT ADA REQUIREMENTS.

20. HANDICAP PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM WITH CURRENT ADA REQUIREMENTS AND LOCAL ORDINANCE.

21. LANDSCAPE SHALL BE TRIMMED TO ENSURE SIGHT VISIBILITY OF TRAFFIC CONTROL DEVICES.

22. ALL PAVEMENT IS DIMENSIONED TO FACE OF CURB.

23. ALL BUILDING DIMENSIONS AND TIES ARE TO OUTSIDE FACE. SEE ARCHITECTURAL PLANS.

24. ALL CURB RETURN RADII ARE 5' UNLESS NOTED.

25. BUILDING AND SITE IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO **NORTH** PROPERTY LINE.

GC NOTE:

A COPY OF THIS SHEET C0.1 SHALL BE PROVIDED TO ALL BIDDERS AND SUB-CONTRACTORS.

SITE DATA

SITE AREA		114,819 SF	2.64 AC	
EXISTING				
IMPERVIOUS	PAVEMENT/SIDEWALKS	72,089 SF	63%	84%
	BUILDING	23,845 SF	21%	
TOTAL IMPERVIOUS		95,934 SF		
OPEN SPACE (GREEN)		18,885 SF	16%	4 1
PROPOSED				
IMPERVIOUS	PAVEMENT/SIDEWALKS	47,098 SF	41%	50%
	BUILDING	9,771 SF	9%	
TOTAL IMPERVIOUS		57,181 SF		
OPEN SPACE (GREEN)		57,638 SF	50%	

ZONING	GENERAL COMMERCIAL (C-2)
FUTURE LAND USE	HIGHWAY COMMERCIAL
OVERLAY	REDEVELOPMENT

FLOOR AREA RATIO	MAX.	LOT 1 PROPOSED	LOT 2 PROPOSED
	1.00	0.09	0.15

BUILDING HEIGHT	MAX. ALLOWED	PROPOSED
	80 FT	24 FT (1 STORY) 10 FT (CANOPY)

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT (WEST)	20 FT	52 FT
SIDE (NORTH)	20 FT	33 FT
REAR (EAST)	20 FT	157 FT
SIDE (SOUTH)	10 FT	42 FT

LANDSCAPE BUFFER		
FRONT (WEST)	30 FT	30 FT
SIDE (NORTH)	N/A FT	10 FT
REAR (EAST)	20 FT AVERAGE MIN.	19.5 FT AVG.
SIDE (SOUTH)	N/A FT	6 FT

1

- THE AVERAGE OF THE LANDSCAPE BUFFER PROVIDED ALONG THE EASTERN PROPERTY LINE FOR THE ENTIRE PROPERTY IS 20'. 5

PARKING REQUIRED FOR LOT 1 (NORTH)	REQUIRED	PROVIDED
*ALLOWABLE 15% REDUCTION TO BUILDING AREA USED IN PARKING CALCULATION		
DUTCH BROS = (1,120 SF x 85%)* x 1/100 SF	9.5 SPACES	
PHARMACY/RETAIL = (2,652 SF x 85%)* x (3 SPACES / 300 OF NET FLOOR AREA) + (1 SPACE / EVERY ADDITIONAL 250 SF)	10.8 SPACES	
TOTAL PARKING FOR LOT 1	20 SPACES	20 SPACES

PARKING PROVIDED FOR LOT 1 (NORTH)	
REGULAR	19
HANDICAP	1
TOTAL	20

REQUIRED BICYCLE PARKING FOR LOT 1 (NORTH)

PER 33-91.03(1) - BUILDING WITH GROSS FLOOR AREA 0-6000 SQUARE FEET = 0 BICYCLE PARKING SPACES ARE REQUIRED

PARKING REQUIRED FOR LOT 2 (MIDDLE)	REQUIRED	PROVIDED
*ALLOWABLE 15% REDUCTION TO BUILDING AREA USED IN PARKING CALCULATION		
RETAIL = (2,000 SF x 85%)* x (3 SPACES / 300 OF NET FLOOR AREA) + (1 SPACE / EVERY ADDITIONAL 250 SF)	8.6 SPACES	
PAC DENTAL = (4,000 SF x 85%)* x (1 SPACE/150 SF)	22.7 SPACES	
TOTAL PARKING FOR LOT 1	31 SPACES	34 SPACES

PARKING PROVIDED FOR LOT 2 (MIDDLE)	
REGULAR	32
HANDICAP	2
TOTAL	34

REQUIRED BICYCLE PARKING FOR LOT 2 (MIDDLE)

PER 33-91.03(1) - BUILDING WITH GROSS FLOOR AREA 0-6000 SQUARE FEET = 0 BICYCLE PARKING SPACES ARE REQUIRED

INTERPLAN
INTERPLAN LLC
AR99238
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
5	4/15/26	CITY COMMENTS
4	4/1/26	OWNER REVISIONS
1	2-9-26	CITY COMMENTS

REVISIONS

ALAKAI
CAPITAL

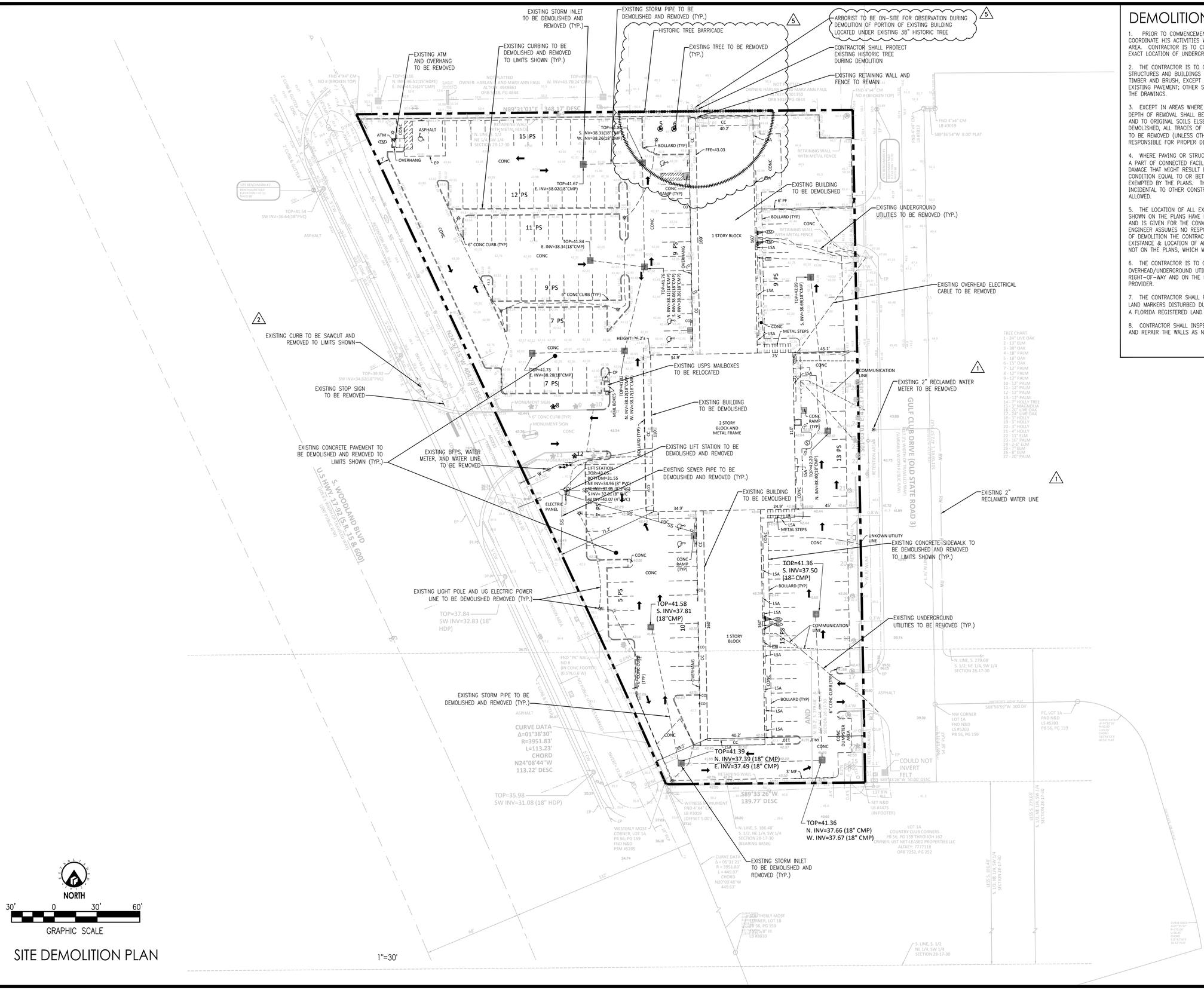
2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C0.1
GENERAL NOTES

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.



SITE DEMOLITION PLAN

DEMOLITION NOTES

1. PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE HIS ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

2. THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS THAT IS SO INDICATED INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED; STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.

3. EXCEPT IN AREAS WHERE EXISTING TREES SHALL BE PRESERVED, A MINIMUM DEPTH OF REMOVAL SHALL BE (2) FOOT BELOW SUBGRADE IN ROADWAY AREAS AND TO ORIGINAL SOILS ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.

4. WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), RESTORATION OF ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

5. THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXISTANCE & LOCATION OF ALL STRUCTURES, UTILITIES & TREES SHOWN OR NOT ON THE PLANS, WHICH WOULD NEED TO BE REMOVED OR PRESERVED.

6. THE CONTRACTOR IS TO COORDINATE THE RELOCATION OR REMOVAL OF ALL OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE SERVICE PROVIDER.

7. THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF A FLORIDA REGISTERED LAND SURVEYOR).

8. CONTRACTOR SHALL INSPECT THE EXISTING RETAINING WALLS FOR DAMAGE AND REPAIR THE WALLS AS NEEDED.

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE ENGINEERING PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
5	4/15/26	CITY COMMENTS
2	3/17/26	FDOT COMMENTS
1	2/18/26	CITY COMMENTS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C0.2
SITE DEMOLITION PLAN

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2026 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

Country Club Pointe Development
TPD № 6139
February 5, 2026
Page 2

Table 1
Trip Generation Summary

ITE Code	Land Use	Size	Daily		A.M. Peak Hour				P.M. Peak Hour			
			Rate	Trips	Rate	Enter	Exit	Total	Rate	Enter	Exit	Total
Existing Conditions												
822	Strip Retail Plaza (<40K)	23.85	51.82	1,236	3.941	52	42	94	6.29	69	69	138
		Total		**1,236**	--	**52**	**42**	**94**	--	**69**	**69**	**138**
Proposed Conditions												
938	Coffee Shop with drive through window & no indoor seating	1 DTL	74.48	179	39.31	40	40	80	15.08	15	15	30
880	Pharmacy with no drive through window	2.3 KSF	90.08	207	2.94	4	3	7	8.51	10	10	20
932	High Turnover Sit-down Restaurant	3.883 KSF	103.75	403	8.97	19	16	35	9.18	22	14	36
912	Bank with drive through window	3.293 KSF	98.85	325	9.95	19	14	33	21.03	35	34	69
		Total		**1,114**	--	**82**	**73**	**155**	--	**82**	**73**	**155**
ITE 938 Pass-By (90% A.M, 84% Midday,98% P.M.,90.67% Daily):				162	--	36	36	72	--	15	15	30
ITE 880 Pass-By (P.M. 53%):				110	--	--	--	--	--	5	5	10
ITE 932 Pass-By (P.M.43%):				173	--	--	--	--	--	9	6	15
ITE 912 Pass-By (29% A.M. 26% Midday, 35% P.M.,30% Daily):				98	--	6	4	10	--	12	12	24
Pass-By Trips Sub-Total				543	--	42	40	82	--	41	38	79
Net New Trips:				**571**	--	**40**	**33**	**73**	--	**41**	**35**	**76**
Difference between Existing Conditions and Proposed Conditions Total Trips												
		Trips		**-122**	--	**30**	**31**	**61**	--	**13**	**4**	**17**

INDIVIDUAL LOT SITE DATA

(70% MAX. ISR PER LOT, 70% MAX. ISR SITEWIDE)

LOT 1 (NORTH)

SITE AREA	39,975 SF	0.92 AC
PROPOSED		
IMPERVIOUS – PAVEMENT/SIDEWALKS	22,897 SF	57%
IMPERVIOUS – BUILDING	3,772 SF	9%
TOTAL IMPERVIOUS	26,669 SF	67%
PERVIOUS – OPEN SPACE (GREEN)	6,731 SF	17%
PERVIOUS – TREE PROTECTION AREA	6,575 SF	16%
TOTAL PERVIOUS/OPEN SPACE	13,306 SF	33%
F.A.R.	0.09	

LOT 2 (MIDDLE)

SITE AREA	40,227 SF	0.92 AC
PROPOSED		
IMPERVIOUS – PAVEMENT/SIDEWALKS	22,118 SF	24%
IMPERVIOUS – BUILDING	6,000 SF	15%
TOTAL IMPERVIOUS	27,967 SF	70%
PERVIOUS – OPEN SPACE (GREEN)	5,284 SF	13%
PERVIOUS – TREE PROTECTION AREA	6,976 SF	17%
TOTAL PERVIOUS/OPEN SPACE	12,260 SF	30%
F.A.R.	0.15	

LOT 3 (SOUTH)

SITE AREA	34,708 SF	0.80 AC
PROPOSED		
IMPERVIOUS – PAVEMENT/SIDEWALKS	2,394 SF	7%
IMPERVIOUS – BUILDING	0 SF	0%
TOTAL IMPERVIOUS	2,394 SF	7%
PERVIOUS – OPEN SPACE (GREEN)	24,569 SF	72%
PERVIOUS – TREE PROTECTION AREA	7,745 SF	22%
TOTAL PERVIOUS/OPEN SPACE	32,314 SF	93%
F.A.R.	0.0	

PARKING REQUIRED FOR LOT 1 (NORTH)	REQUIRED	PROVIDED
*ALLOWABLE 15% REDUCTION TO BUILDING AREA USED IN PARKING CALCULATION		
DUTCH BROS = (1,120 SF x 85%)* x 1/100 SF	9.5 SPACES	
PHARMACY/RETAIL = (2,652 SF x 85%)* x (3 SPACES / 300 OF NET FLOOR AREA) + (1 SPACE / EVERY ADDITIONAL 250 SF)	10.8 SPACES	
TOTAL PARKING FOR LOT 1	20 SPACES	20 SPACES

PARKING PROVIDED FOR LOT 1 (NORTH)

REGULAR	19
HANDICAP	1
TOTAL	20

REQUIRED BICYCLE PARKING FOR LOT 1 (NORTH)

PER 33-91.03(1) – BUILDING WITH GROSS FLOOR AREA 0-6000 SQUARE FEET = 0 BICYCLE PARKING SPACES ARE REQUIRED

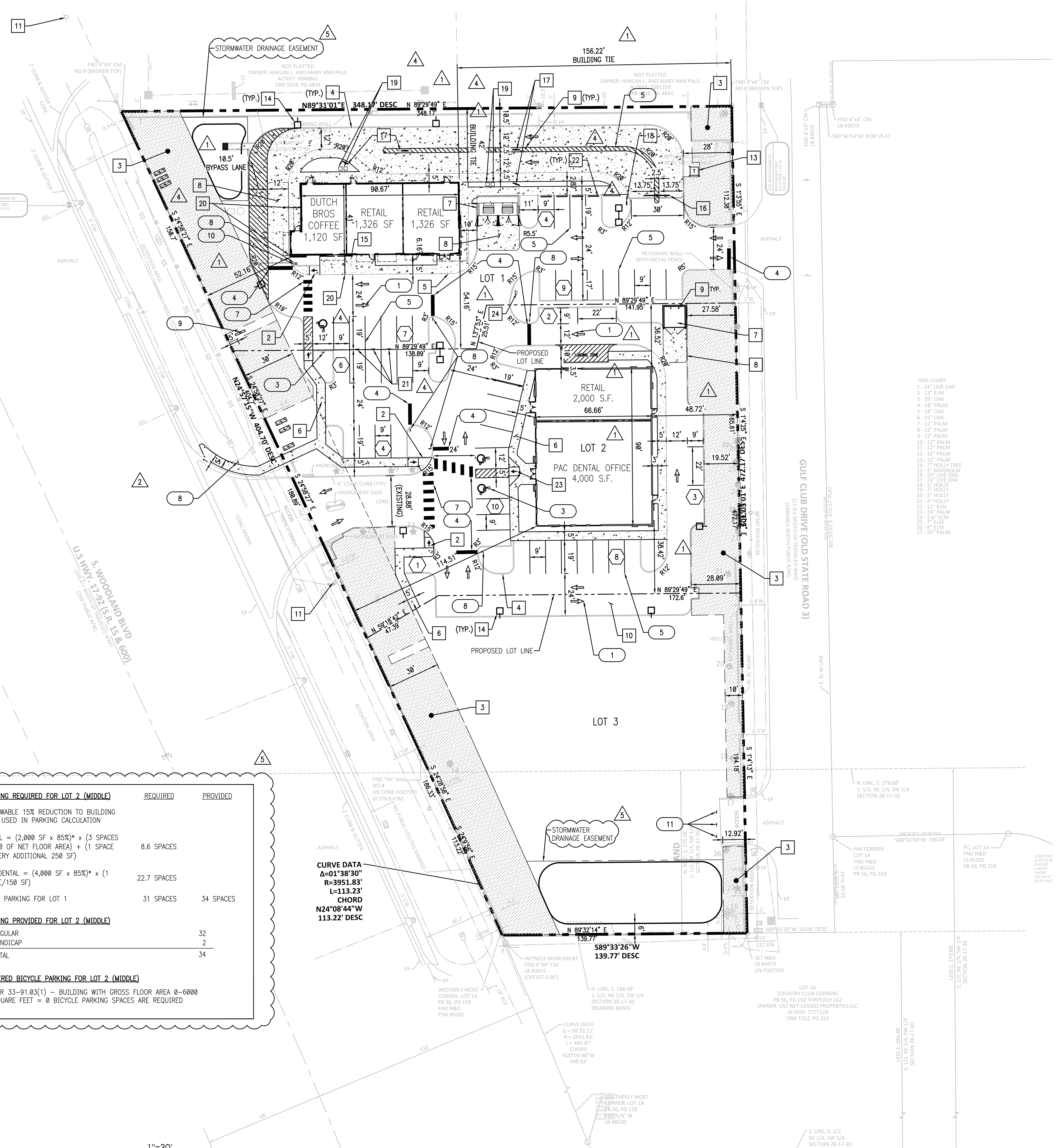
PARKING REQUIRED FOR LOT 2 (MIDDLE)	REQUIRED	PROVIDED
*ALLOWABLE 15% REDUCTION TO BUILDING AREA USED IN PARKING CALCULATION		
RETAIL = (2,000 SF x 85%)* x (3 SPACES / 300 OF NET FLOOR AREA) + (1 SPACE / EVERY ADDITIONAL 250 SF)	8.6 SPACES	
PAC DENTAL = (4,000 SF x 85%)* x (1 SPACE/150 SF)	22.7 SPACES	
TOTAL PARKING FOR LOT 1	31 SPACES	34 SPACES

PARKING PROVIDED FOR LOT 2 (MIDDLE)

REGULAR	32
HANDICAP	2
TOTAL	34

REQUIRED BICYCLE PARKING FOR LOT 2 (MIDDLE)

PER 33-91.03(1) – BUILDING WITH GROSS FLOOR AREA 0-6000 SQUARE FEET = 0 BICYCLE PARKING SPACES ARE REQUIRED



NORTH

30' 0 30' 60'

GRAPHIC SCALE

SITE DIMENSION PLAN

1"=30'

TRAFFIC CONTROL & SIGNAGE

1. DIRECTIONAL ARROW (11/C4.0) (TYP.)
2. HANDICAP PAVEMENT SYMBOLS (12/C4.0) (TYP.)
3. HANDICAP SIGN (13/C4.0)
4. 24" WIDE WHITE STOP BAR (TYP.)
5. PAVEMENT STRIPING (4" WHITE) (TYP.)
6. NOT USED
7. 24" WIDE WHITE CROSSWALK STRIPING
8. 30" STOP SIGN (R1-1)
9. MONUMENT SIGNAGE
10. 'DO NOT ENTER' SIGN (R5-1)
11. END-OF-ROADWAY MARKER (OM4-1)

– ALL TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

– WORK DONE WITHIN PUBLIC R.O.W. SUBJECT TO CITY OF DELAND & FDOT REVIEW AND APPROVAL.

SITE NOTES

1. HANDICAP RAMP (16/C4.0)
2. SIDEWALK RAMP (18/C4.0)
3. TREE PROTECTION AREA
4. 6" CURB (5/C4.0) (TYP.)
5. MONOLITHIC CURB AND SIDEWALK (6/C4.0)
6. CONCRETE SIDEWALK (7/C4.0)
7. DUMPSTER ENCLOSURE (SEE ARCHITECTURAL PLANS)
8. CONCRETE APRON (INTEGRAL BLACK CONCRETE) (8/C4.0)
9. BOLLARD (4/C4.0)
10. ASPHALT PAVEMENT (10/C4.0)
11. EXISTING FIRE HYDRANT
12. DRAINAGE STRUCTURES
13. TRANSFORMER PAD
14. LIGHT POLE
15. BIKE RACK (14/C4.0)
16. CLEARANCE BAR
17. DB COFFEE MENU BOARD
18. DB COFFEE DRIVE-THRU DIRECTIONAL SIGN
19. CHRISTY BOX FOR MENU BOARD (SEE ARCHITECTURAL PLANS FOR DETAILS)
20. TRENCH DRAIN (SEE ARCHITECTURAL PLANS FOR DETAILS)
21. DB 'ORDER-AHEAD' POLE MOUNTED SIGN (9/C4.0)
22. WHEEL STOPS (2/C4.0)
23. FLARED HANDICAP RAMP (3/C4.0)
24. PROPOSED FIRE HYDRANT

– ALL CONSTRUCTION IN THE FDOT RIGHT OF WAY SHALL CONFORM TO THE LATEST EDITIONS OF FDOT DESIGN PLANS [INDEXES], THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATIONS MANUAL.

– ALL ROOFTOP EQUIPMENT SHALL BE BEHIND A SCREENED WALL.

– CROSS-ACCESS AND CROSS-PARKING EASEMENTS ARE PROVIDED IN THE DECLARATION OF RECIPROCAL EASEMENTS. COVENANTS AND RESTRICTIONS FOR COUNTRY CLUB POINTE.

– THE AVERAGE OF THE LANDSCAPE BUFFER PROVIDED ALONG THE EASTERN PROPERTY LINE FOR THE ENTIRE PROPERTY IS 20'.

–PAYMENT IN LIEU WILL BE PAID TO THE CITY OF DELAND FOR 472 LINEAR FEET OF SIDEWALK PRIOR TO THE ISSUANCE OF THE FINAL PLAT.

REFER TO SHEET C0.1 FOR GENERAL NOTES, SPECIFICATIONS, AND LEGENDS, IN ADDITION TO SITE-SPECIFIC NOTES AND REQUIREMENTS.

INTERPLAN
INTERPLAN LLC
AR99238
CA 8660
ARCHITECTURE ENGINEERING PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
5	4/15/26	CITY COMMENTS
4	4/1/26	OWNER REVISIONS
3	4/1/26	SJRWMD COMMENTS
2	3/17/26	FDOT COMMENTS
1	2/9/26	CITY COMMENTS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C1.0
SITE DIMENSION PLAN

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

REFER TO SHEET C0.1 FOR GENERAL NOTES, SPECIFICATIONS, AND LEGENDS, IN ADDITION TO SITE-SPECIFIC NOTES AND REQUIREMENTS.

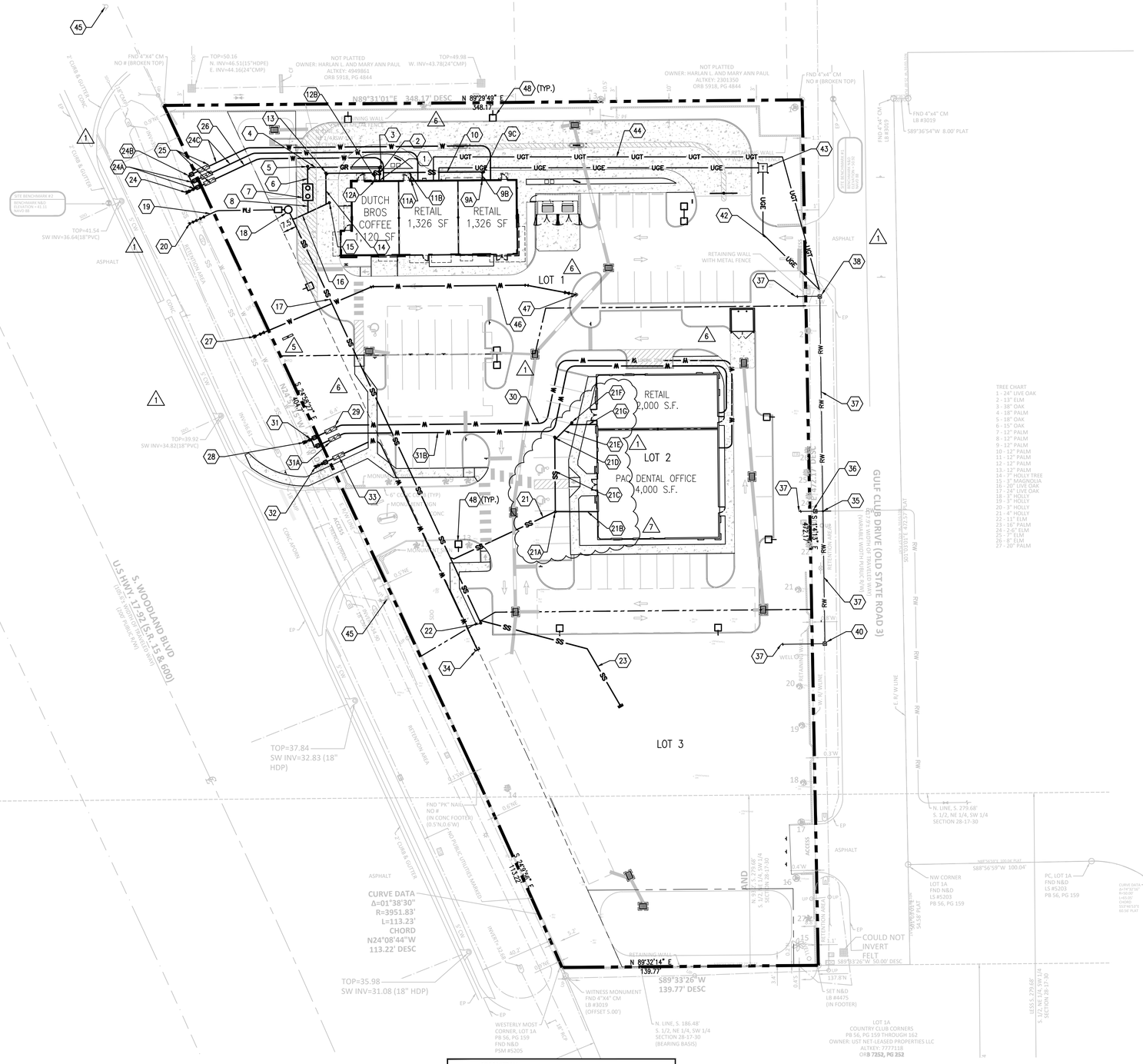
BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT SUNSHINE STATEONE. @ 1-800-432-4770 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.

Sunshine811

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!



NORTH

30' 0 30' 60'

GRAPHIC SCALE

SITE UTILITY PLAN

1"=30'

IRRIGATION

35 2" CROSS

36 1.5" IRRIGATION METER (W401 / C4.1) (W411 / C4.1)

37 2" IRRIGATION SERVICE (SEE IRRIGATION SITE PLAN)

38 1.5" IRRIGATION METER (W401 / C4.1) (W411 / C4.1)

39 NOT USED

40 FUTURE 1.5" IRRIGATION METER (W401 / C4.1) (W411 / C4.1)

41 NOT USED

ELECTRIC

42 CONTRACTOR SHALL COORDINATE UNDERGROUND ELECTRICAL SERVICE WITH DUKE ENERGY FOR CONDUIT SIZE, CONNECTION POINT AND APPROVED TRANSFORMER LOCATION.

43 TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH DUKE ENERGY FOR FINAL LOCATION OF TRANSFORMER TO BE SET.

PHONE

44 CONTRACTOR SHALL COORDINATE UNDERGROUND TELEPHONE SERVICE WITH SERVUCE PROVIDER FOR CONDUIT SIZE, CONNECTION POINT.

FIRE

45 EXISTING FIRE HYDRANT

46 6" PVC FIRE LINE

47 PROPOSED FIRE HYDRANT

STREET LIGHT

48 LIGHT POLE (SEE ELECTRICAL SITE PLAN)

SITE UTILITY NOTES

SANITARY SEWER

1 CONNECT TO BUILDING GREASE SERVICE @ INV. = 39.5

2 8 LF – 6" PVC SDR-26 @ 5.5% SLOPE

3 C.O. INV. ELEV. = 39.86 (S308 / C4.1) (TYP.)

4 87 LF – 6" PVC SDR-26 @ 1% SLOPE

5 C.O. INV. ELEV. = 36.81

6 9 LF – 6" PVC SDR-26 @ 1% SLOPE (17 / C4.0) (TYP.)

7 1,000 GALLON GREASE INTERCEPTOR (S307 / C4.1)
RIM = 43.9±
IN = 36.32
OUT = 36.07

8 7 LF – 6" PVC SDR-26 @ 3.6% SLOPE

9A CONNECT TO BUILDING SANITARY SEWER @ INV. = 40.0

9B 5 LF – 6" PVC SDR-26 @ 5% SLOPE

9C C.O. INV. ELEV. = 39.75

10 87 LF – 6" PVC SDR-26 @ 2.6% SLOPE

11A CONNECT TO BUILDING SANITARY SEWER @ INV. = 40.0

11B 5 LF – 6" PVC SDR-26 @ 27.6% SLOPE AND CONNECT TO 6" SERVICE WITH A TEE AT ELEV. = ±38.62

12A CONNECT TO BUILDING SANITARY SEWER @ INV. = 40.0

12B 5 LF – 6" PVC SDR-26 @ 37.8% SLOPE AND CONNECT TO 6" SERVICE WITH A TEE AT ELEV. = ±38.11

13 C.O. INV. ELEV. = 37.43

14 17 LF – 6" PVC SDR-26 @ 6.3% SLOPE

15 C.O. INV. ELEV. = 36.36

16 22 LF – 6" PVC SDR-26 @ 4.4% SLOPE

17 247 LF – 6" PVC SDR-26 @ 1% SLOPE

18 LIFT STATION (– / C2.1)
TOP = 44.50
INV. ELEV. = 35.25

19 48 LF – 2" PE DR-9, FORCEMAIN

20 WET TAP EXISTING 8" FORCE MAIN WITH 2" TAPPING SADDLE & GATE VALVE, INSTALL CHECK VALVE AFTER GATE VALVE

21 64 LF – 6" PVC SDR-26 @ 1% SLOPE

21A C.O. INV. ELEV. = 37.95

21B 23 LF – 4" PVC SDR-26 @ 2% MIN. SLOPE, THEN CONNECT TO THE BUILDING @ ELEV. = 38.41

21C 40 LF – 4" PVC SDR-26 @ 2% MIN. SLOPE

21D C.O. INV. ELEV. = 38.75

21E 13 LF – 4" PVC SDR-26 @ 2% MIN. SLOPE

21F C.O. INV. ELEV. = 39.01

21G 15 LF – 4" PVC SDR-26 @ 2% MIN. SLOPE, THEN CONNECT TO THE BUILDING @ ELEV. = 39.31

22 C.O. INV. ELEV. = 37.72

23 97 LF – 6" PVC SDR-26 @ 1% SLOPE, THEN INSTALL STUB-OUT WITH CLEAN OUT AT INV. ELEV. = 38.69

DOMESTIC WATER

24 WET TAP EXISTING 12" WATER MAIN WITH 2" TAPPING SADDLE & GATE VALVE

24A 2" X 2" X 1.5" TEE

24B 90° DEGREE 2" TO 1.5" REDUCER

24C 1.5" PE WATER SERVICE (W401 / C4.1) (W411 / C4.1)

25 (1) 1.5" WATER METER AND RPZ BACKFLOW PREVENTER (DUTCH BROS)
(2) 1" WATER METERS AND RPZ BACKFLOW PREVENTERS (RETAIL)

26 2" PE WATER SERVICE

27 6" TAPPING SLEEVE & GATE VALVE

28 WET TAP EXISTING 12" WATER MAIN WITH 2" TAPPING SADDLE & GATE VALVE

29 1.5" WATER METER AND RPZ BACKFLOW PREVENTER (W401 / C4.1) (W411 / C4.1)

30 1.5" PE WATER SERVICE

31 2"x2"x1.5" TEE

31A 1" WATER METER AND RPZ BACKFLOW PREVENTER

31B 1" PE WATER SERVICE

32 WET TAP EXISTING 12" WATER MAIN WITH 2" TAPPING SADDLE & GATE VALVE

33 FUTURE 1.5" WATER METER AND RPZ BACKFLOW PREVENTER (W401 / C4.1) (W411 / C4.1)

34 2" PE WATER SERVICE

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
7	6/11/26	OWNER REVISIONS
6	5/27/26	CITY COMMENTS
5	4/15/26	CITY COMMENTS
1	2/9/26	CITY COMMENTS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C2.0
SITE UTILITY PLAN

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

RILEY & Company, Inc. (H-20 GP/BA)©

SCOPE: Supply and install one complete H-20 GP/BA Pre-Fab Lift Station with Battery Back-Up Power System For High Level Alarm

Pumps shall be capable of grinding and pumping domestic & commercial sewage.

Complete system shall be supplied by:

RILEY & Company, Inc.

Sanford, FL 32750 (Ph. 407-265-9963)

Contract to be awarded on the basis of the base bid H-20 GP/BA LIFT STATION . Alternative deduct systems will only be considered after award of contract and alternate must be specified at bid time.
The design engineer shall be reimbursed for additional time and costs to review any alternate equipment or design.

Any savings to contractor shall be shared with the Owner.

Due to the structural strength, corrosion resistance, and the leak-proof design of the H-20 GP/BA complete system, concrete wetwells will not be approved.

Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida. ASTM Rating must be stamped and visable on each wetwell.

PUMPS: Submersible grinder pumps shall be HOMA Model GRP. The pumps shall be installed in the H-20 GP/BA FRP wetwell utilizing a dual slide rail system.
The grinder unit shall be capable of macerating all material in normal domestic and commercial sewage, including foreign objects such as plastic, sanitary napkins, and disposable diapers into a fine slurry which will pass through the pump and the Sch.80 PVC discharge piping.

Single phase motors shall be of the capacitor start, capacitor run type for high starting torque.
Stator winding shall be open type with Class F insulation and shall be heat-shrink fitted into the stator housing. The use of pins, bolts, or other fastening devices is not acceptable.
A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in the control panel to stop motor if winding temperature exceeds 140 C., but shall automatically reset when the winding temperature returns to normal.
Two heat sensor thermostats shall be used on three phase motors.

The pump motor grinder shaft shall be of AISI 430F SS threaded to take pump impeller and grinder impeller
Upper & lower seals shall be Silicon Carbide vs Silicon Carbide

DUPLEX PUMP CONTROL PANEL:
The Enclosure shall be NEMA 4X, minimum 30" high x 24" wide x 10" deep, fiberglass with padlockable draw latches.
The enclosure shall have external mounting feet to allow for wall mounting. All hardware shall be stainless steel. All conduit penetrations shall have approved seal off fittings and shall be properly sealed to prevent wetwell gases from entering enclosure.

The following components shall be mounted through the enclosure:

1 ea. Red Alarm Beacon
1 ea. Alarm Horn
1 ea. Generator Receptacle with weatherproof cover
1 ea. Silence Pushbutton

The backpanel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws. Self tapping screws are not acceptable.
The following components shall be mounted to the backpanel:

1 ea. High Level Alarm Battery Back-Up System
2 ea. Motor Contactors
2 ea. Start and Run Capacitors to match motor requirements, single phase only
2 ea. Start Relays to match motor requirements, single phase only
1 ea. Volt Monitor (Single Phase) Phase/Monitor (Three Phase)
1 ea. Control Transformer with primary and secondary fuses, 480 Volt only
1 ea. Silence Relay
1 ea. Duplex Alternator
20 ea. Terminals for field connections
6 ea. Terminals for motor connections, single phase only
3 ea. Ground Lugs

The innerdoor shall be fabricated from .080, 5052-H32 marine alloy aluminum.

The following components shall be mounted through the Innerdoor:

1 ea. Main Circuit Breaker
1 ea. Emergency Circuit Breaker
1 ea. Mechanical Interlock for main breakers
2 ea. Motor Short Circuit Protectors
1 ea. Control Circuit Breaker
2 ea. Hand-Off-Auto selector switches
2 ea. Pump Run Pilot Lights
2 ea. Elapsed Time Meters
1 ea. GFI Duplex Convenience Outlet

COMPONENT SPECIFICATIONS:
All circuit breakers shall be molded case thermal magnetic. Circuit breakers shall be sealed by the manufacturer after calibration to prevent tampering. Each breaker shall be adequately sized to meet the equipment operating conditions.

The mechanical Interlock shall prevent the normal and emergency main breakers from being energized at the same time. The interlock shall be fabricated from aluminum or stainless steel.

An emergency generator receptacle shall be supplied In accordance with DEP standards. The generator receptacle shall be adequately sized to meet the equipment operating conditions
All motor short circuit protection devices must provide for undervoltage release and class 10 overload protection on all three phases. Visible trip indication, test and reset capability must be provided without opening Inner door.

Open frame, across the line, contactors shall be rated per IEC standards and properly sized per the motor requirements. Contactors shall provide for safe touch power and control terminals. Contactor contacts and coil shall be easily replaceable without removing the contactor from its mounted position.

Lightning Arrestor to meet or exceed the requirements of ANSI/IEEE Std. C62.21-1984 section 8.6.1 and 8.7.3 shall be supplied by electrician and mounted on the bottom side of the switch disconnect ahead of the pump control panel.
Voltage Monitor shall be supplied for single phase service. The voltage monitor shall be designed to sense a low voltage condition. The relay shall de-energize the motors when the line voltage drops 15% below the relay setting. The voltage monitor shall be protected by dual element fuses.

Phase Monitor shall be supplied for three phase service. The phase monitor shall be designed to sense a low voltage, phase loss, power failure and improper phase sequence condition. The relay shall de-energize the motors upon a conditon fault. The phase monitor shall be protected by dual element fuses.

The duplex alternator shall be the solid state type. The alternator shall switch each pump to lead upon a single complete cycle and shall provide for lag pump operation upon level rise.

An alternator sequence (1 - Auto - 2) three position toggle type selector switch shall be supplied to manually overide the alternator In the '1' positon, motor #1 shall always be the lead motor. In the 'Auto' positon, the motors shall sequence to become the lead motor. In the '2' positon, motor #2 shall always be the lead motor.

A Green pilot light shalll be supplied for each motor. The pilot light shall illuminate each time the motor Is called to run.

Each motor shall have an Elapsed Time Meter to record the accumulated running time. The ETM shall be a 2" diameter, non-resettable, six digit, totally encapsulated unit.
Relays shall be ice-cube plug in type. Relay contacts shall be rated 10 amp minimum, DPDT.

ALARM BATTERY BACK-UP SYSTEM shall be model RCB5a12v and utilize a 12v sealed lead acid battery. Power supply / charger RCAX-AL624 shall maintain the battery ready for loss of power. Once power is lost the system will change over from normal power to battery power. This feature will facilitate the system to indicate any alarms programmed to call out.

Twenty (20) terminals shall be supplied for field connections. The teminals shall be rated 25 amps minimum and shall be mounted on a 30 degree angle for ease of field wiring. Float connection terminals shall be arranged such that each float is connected in consecutive order and does not require any crossing of wires.

Each motors over-temperature contact shall be connected to the terminal strip and shall open a contact to de-energize the appropriate motor upon a high temperature within the motor.

A 15A. GFI duplex convenience outlet shall be supplied and mounted on the innerdoor to provide service technicians with an outlet for trouble lights, etc.

Ground Lugs shall be supplied and appropriately sized for each motor and for service entrance.

Nameplates for the innerdoor shall be of a graphic design, specifically depicting the intent for each device. One nameplate shall be supplied for all control devices. One namplate shall be supplied for all power devices. All text and graphics on each nameplate shall be scratch resistant. The nameplates shall be fabricated from laser-screened laminated mylar.

Nameplates for the backpanel shall be of a graphic design, specifically depicting the Intent for each component. One nameplate shall be supplied for each component. All text and graphics on each nameplate shall be scratch resistant. The nameplates shall be fabricated from laser-screened laminated mylar.

MISCELLANEOUS:

All wiring on the backpanel shall be contained within wiring duct.
All wiring between the innerdoor and the backpanel shall be contained within a plastic spiral wrap.

Each wire shall have a wire number at each end to correspond to the asbuilt drawing for field troubleshooting.
The control panel shall be assembled by an Underwriters Laboratories UL508 listed manufacturing facility.

FASTENERS & APPURTENANCES: All fasteners, lifting cables, float cable bracket and appurtenances shall be made of AISI 304SS or other materialinert to the highly corrosive atmosphere of a sewage lift station. Hinges for the wet well and valve box shall be AISI 304SS minimum.
An aluminum slide/latch assembly shall be provided for holding the doors open on both the wet well and the valve box.
Slide rails shall be SCH 40 AISI 304SS pipe .
Pump lifting devices shall be made of AISI 304SS (min.) cable (1/4"min) or 304SS chain of sufficient size, with safety factor to handle safelythe specific pumps. AISI 304SS (min.) pump lifting bails shall be provided

H-20 LOAD RATED WETWELL WITH LIFTING LUGS:
The fiberglass wetwell must be H-20 load rated w/ integral lifting lugs, and certification of this rating must be supplied at time of submittal.
The wetwell shall be manufactured of fiberglass reinforced polyester (FRP) of diameter and depth as shown on the lift station elevation detail. The wall thickness shall be adequate for the depth of the wetwell to maintain the H-20 load rating.
Reinforcing Materials: The reinforcing material shall be commercial grade "E" type glass in the form of mat, chopped or roving fabric, having a coupling agent that will provide a suitable bond between the glass reinforcement and the resin.
Additives, such as thixotropic agents, catalysts, promoters, etc., may be added as required by the specific manufacturing process to be used to meet the requirements of this specification.
Fillers and Additives: Fillers of any type shall not be utilized.

EXECUTION:
Installation shall be in strict accordance with the manufacturer's instructions and recommendations in the locations shown on the drawing.

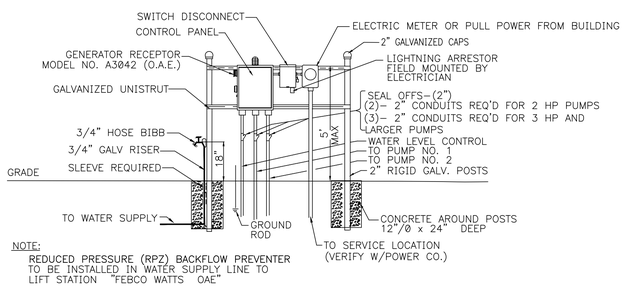
INSPECTION & TESTING: A factory representative shall be provided for one (1) day and shall have complete knowledge of proper operation and maintenance to inspect the final installation and supervise the test run of the equipment.
Megger the motor. The pump motors shall be megged out prior to startup to ensure the insulation of the pump motor/cable system is intact.
The pump controls and pumps shall be checked for mechanical reliability and proper operation.

PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	99 GPM	TOP OF WETWELL	44.50
PRIMARY TDH	43' TDH	INLET INVERT	35.25
PUMP MANUFACTURER	LIBERTY	HIGH LEVEL ALARM	35.00
PUMP MODEL #	LGV03	2nd PUMP ON	34.25
R.P.M.	3450	1st PUMP ON	33.80
HORSEPOWER	3.0	PUMPS OFF	33.00
ELECTRICAL - VOLTS / PHASE	208/3	BOTTOM OF WETWELL	31.00
PUMP DISCHARGE SIZE	3"	WETWELL DIAMETER	48"
PEAK FLOW CAPACITY	6.25 GPM		
PEAK CYCLE TIME	12.6 MIN.		
PIPE FLOW VELOCITY	4.3 FPS		
RUN TIME AT PEAK FLOW	0.8 MIN.		

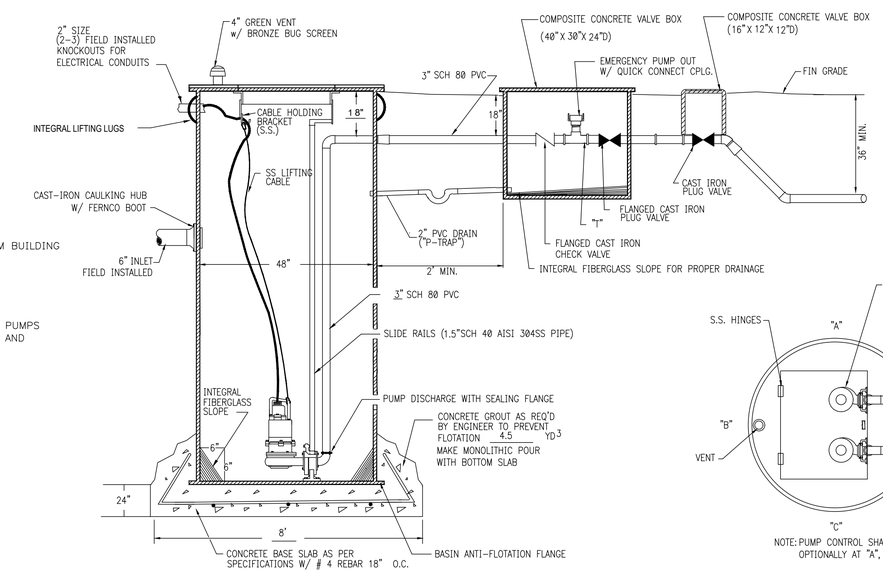
* ELECTRICIAN NOTES

1. DRAWING IS NOT TO SCALE.
* 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
* 3. ELECTRICIAN SHALL SEAL OFF CONDUIT RUNS INSIDE WETWELL AND INSIDE OF CONTROL PANEL.
* 4. ELECTRICIAN TO MOUNT LIGHTNING ARRESTOR AT SWITCH DISCONNECT.
5. BOTH WETWELL AND VALVE BOX SHALL BE LOCKABLE.
6. CONTRACTOR SHALL FIELD INSTALL INLET FITTING AT PROPER ELEVATION.
7. ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL.
* 8. CONTRACTOR SHALL VERIFY POWER SOURCE PRIOR TO ORDERING EQUIPMENT.

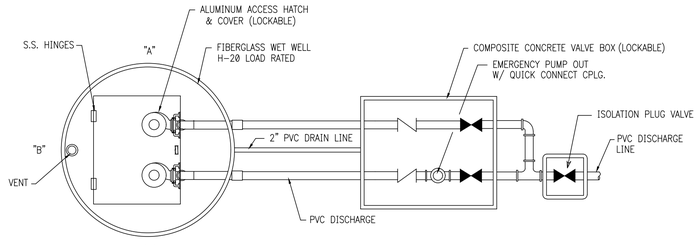
Riley & Co./ H-20 GP/BA 07-04



ELECTRICAL RISER



LIFT STATION SECTION



NOTE: PUMP CONTROL SHALL BE LOCATED 3 FEET FROM WET WELL PERIMETER OPTIONALLY AT "A", "B", OR "C"

LIFT STATION PLAN

LIFT STATION DETAILS

NTS

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO DATE REMARKS
REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 10/30/2025

C2.1
LIFT STATION DETAILS

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC. RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL USE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

REFER TO SHEET C0.1 FOR GENERAL NOTES, SPECIFICATIONS, AND LEGENDS, IN ADDITION TO SITE-SPECIFIC NOTES AND REQUIREMENTS.

BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT SUNSHINE STATEONE, @ 1-800-432-4770 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.

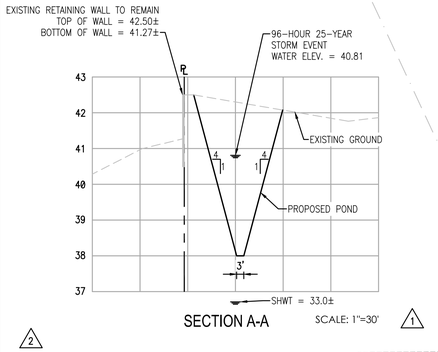
Sunshine811

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!

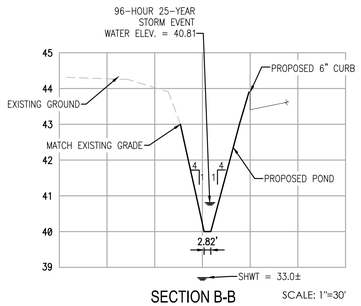
△2

LOT 1 (NORTH)	
TOTAL LOT AREA	39,975 SF
MAX. IMPERVIOUS AREA = 39,975 SF x 0.70 = 27,983 SF	
LOT 2 (MIDDLE)	
TOTAL LOT AREA	40,227 SF
MAX. IMPERVIOUS AREA = 40,227 SF x 0.70 = 28,159 SF	
LOT 3 (SOUTH)	
TOTAL LOT AREA	34,708 SF
MAX. IMPERVIOUS AREA = 34,708 SF x 0.70 = 24,296 SF	
(70% MAX. ISR PER LOT, 67.5% MAX. ISR SITEWIDE)	



SECTION A-A SCALE: 1"=30' △1

△2



SECTION B-B SCALE: 1"=30'

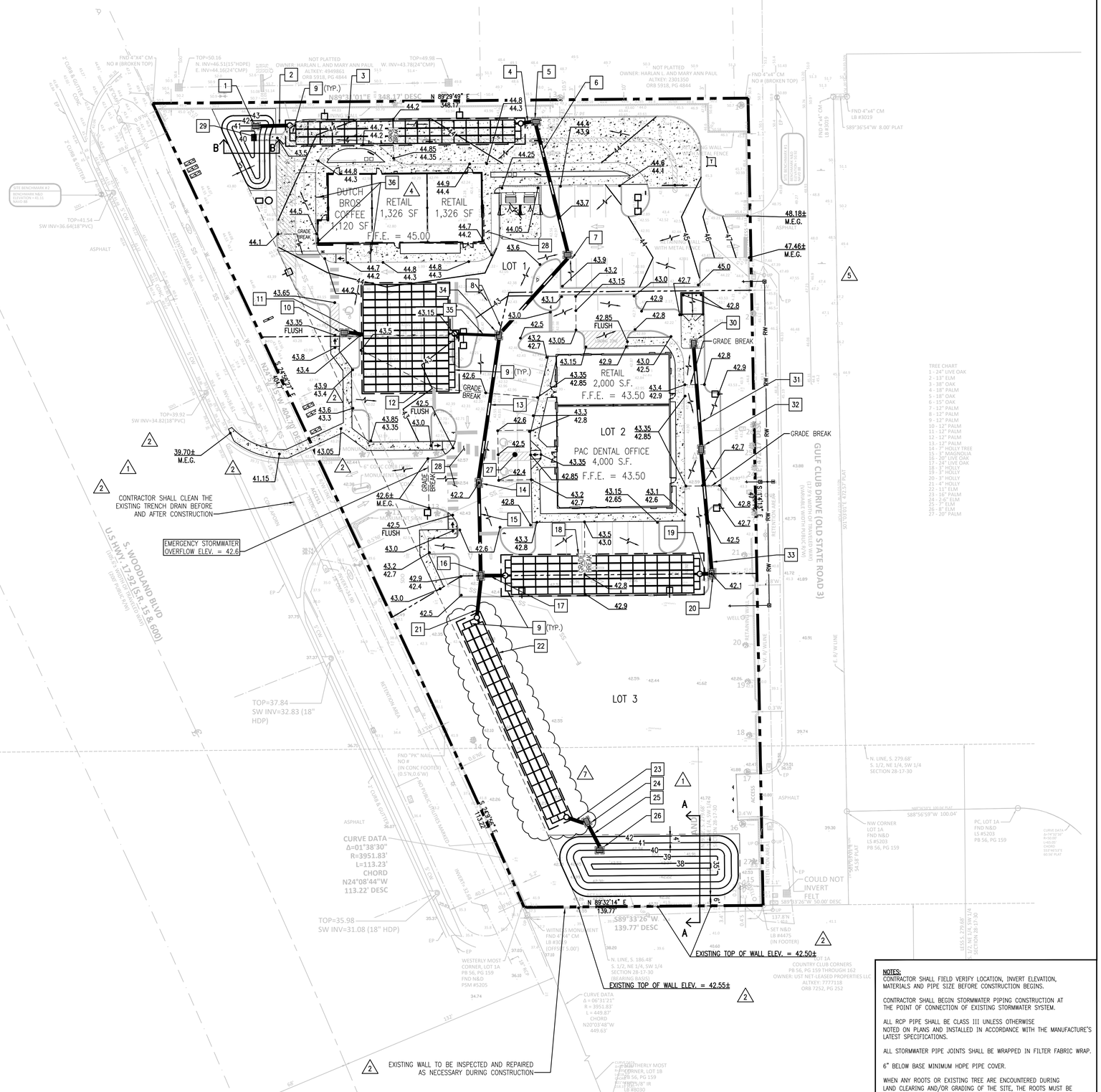
NORTH

30' 0 30' 60'

GRAPHIC SCALE

SITE GRADING & DRAINAGE PLAN

1"=30'



NOTES:

CONTRACTOR SHALL FIELD VERIFY LOCATION, INVERT ELEVATION, MATERIALS AND PIPE SIZE BEFORE CONSTRUCTION BEGINS.

CONTRACTOR SHALL BEGIN STORMWATER PIPING CONSTRUCTION AT THE POINT OF CONNECTION OF EXISTING STORMWATER SYSTEM.

ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED ON PLANS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S LATEST SPECIFICATIONS.

ALL STORMWATER PIPE JOINTS SHALL BE WRAPPED IN FILTER FABRIC WRAP.

6" BELOW BASE MINIMUM HDPE PIPE COVER.

WHEN ANY ROOTS OR EXISTING TREE ARE ENCOUNTERED DURING LAND CLEARING AND/OR GRADING OF THE SITE, THE ROOTS MUST BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

INLET SUMP NOTE: ALL INLETS TO HAVE MIN. 12" SUMP BELOW LOWEST PIPE INVERT WITH 12" DIAMETER WEEPHOLE AND #4 GRAVEL UNDERNEATH PER FDOT STD. PLAN 425-001.

DRAINAGE STRUCTURE TABLE △1

1. CONTROL STRUCTURE #1 (TYPE 'C' INLET) RIM = 41.50 INV. ELEV. (E) = 37.5
2. 16 LF 18" HDPE @ 0.0%
3. STORMTECH SC-800 UNDERGROUND STORM SYSTEM #1 INV. ELEV. (W) = 37.5 INV. ELEV. (E) = 37.5
4. 5 LF 18" HDPE @ 0.0%
5. INLET #1 FDOT TYPE 'C' INLET GRATE ELEV. = 43.25 INV ELEV. (W) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
6. 76 LF 18" HDPE @ 0.0%
7. INLET #2 FDOT TYPE 'C' INLET GRATE ELEV. = 43.50 INV ELEV. (N) = 37.5 INV ELEV. (SW) = 37.5 SUMP ELEV. = 36.5
8. 60 LF 18" HDPE @ 0.0%
9. STORMTECH PIPE MANIFOLD - 8" HDPE @ 0.0% SLOPE (7 PLACES)
10. INLET #3 NYLOPLAST 30" DRAIN BASIN W/ ADA GRATE GRATE ELEV. = 43.30 INV ELEV. (E) = 37.5 SUMP ELEV. = 36.5 △7
11. 9 LF 18" HDPE @ 0%
12. STORMTECH SC-800 UNDERGROUND STORM SYSTEM #2 INV. ELEV. (W) = 37.5 INV. ELEV. (E) = 37.5 INV. ELEV. (S) = 37.5
13. 82 LF 18" HDPE @ 0.0%
14. INLET #4 FDOT TYPE 'C' INLET GRATE ELEV. = 42.20 INV ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
15. 49 LF 18" HDPE @ 0.0%
16. INLET #5 FDOT TYPE 'C' INLET GRATE ELEV. = 42.25 INV. ELEV. (N) = 37.5 INV ELEV. (E) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
17. 11 LF 18" HDPE @ 0.0%
18. STORMTECH SC-800 UNDERGROUND STORM SYSTEM #3 INV. ELEV. (W) = 37.5 INV. ELEV. (E) = 37.5
19. 4 LF 18" HDPE @ 0.0%
20. INLET #6 FDOT TYPE 'C' INLET GRATE ELEV. = 42.10 INV ELEV. (W) = 37.5 SUMP ELEV. = 36.5
21. 23 LF 18" HDPE @ 0%
22. STORMTECH SC-800 UNDERGROUND STORM SYSTEM #4 INV. ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5
23. 13 LF 18" HDPE @ 0.0%
24. INLET #7 FDOT TYPE 'C' INLET GRATE ELEV. = 42.25 INV ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
25. 14 LF 18" HDPE @ 0.0%
26. CONTROL STRUCTURE #2 (TYPE 'C' INLET) RIM = 40.5 INV. ELEV. (N) = 37.5
27. HANDICAP ZONE - MAX. 2.0% SLOPE IN ANY DIRECTION.
28. ACCESSIBLE ROUTE MAX. 2% CROSS SLOPE, 5% IN DIRECTION OF TRAVEL
29. CURB FLUME WITH RIP-RAP (18 / C4.0)
30. INLET #8 FDOT TYPE 'C' INLET GRATE ELEV. = 42.50 INV ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
31. 57 LF 18" PERFORATED HDPE @ 0.0% (WRAP IN FILTER FABRIC)
32. INLET #8 FDOT TYPE 'C' INLET GRATE ELEV. = 42.55 INV ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
33. 68 LF 18" PERFORATED HDPE @ 0.0% (WRAP IN FILTER FABRIC)
34. INLET #9 FDOT TYPE 'C' INLET GRATE ELEV. = 42.40 INV ELEV. (N) = 37.5 INV. ELEV. (S) = 37.5 SUMP ELEV. = 36.5
35. 23 LF 12" HDPE @ 0.0%
36. TRENCH DRAIN TO DAYLIGHT OUT FACE OF CURB (SEE ARCHITECTURAL PLANS FOR DETAILS) △4

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
7	6/11/26	OWNER COMMENTS
5	4/15/26	CITY COMMENTS
4	4/1/26	OWNER REVISIONS
2	3/17/26	FDOT COMMENTS
1	2/19/26	CITY COMMENTS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

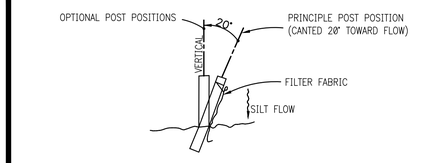
PROJECT NO: 2025.0815
DATE: 6/17/2026 △1

C3.0

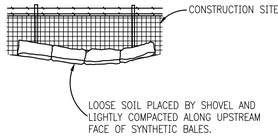
SITE GRADING & DRAINAGE PLAN

CHECKED: CDB DRAWN: GFC

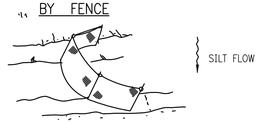
COPYRIGHT © 2026 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

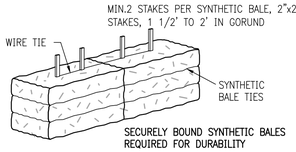


1 SILT FENCE

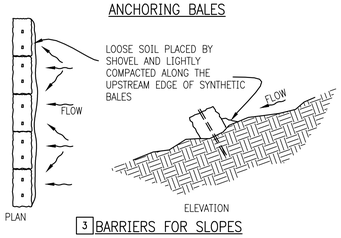


2 SYNTHETIC BALES BACKED BY FENCE



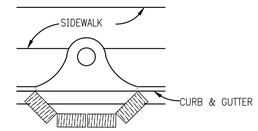


ANCHORING BALES

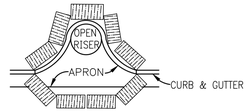


3 BARRIERS FOR SLOPES

EROSION CONTROL DETAILS

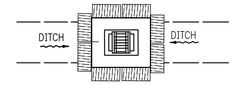


4 COMPLETED INLET

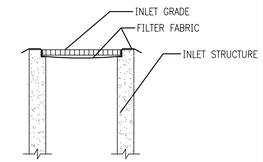


4 PARTIAL INLET

ANCHOR BALES WITH 2 – 2" X 2" X 4' STAKES PER SYNTHETIC BALE.

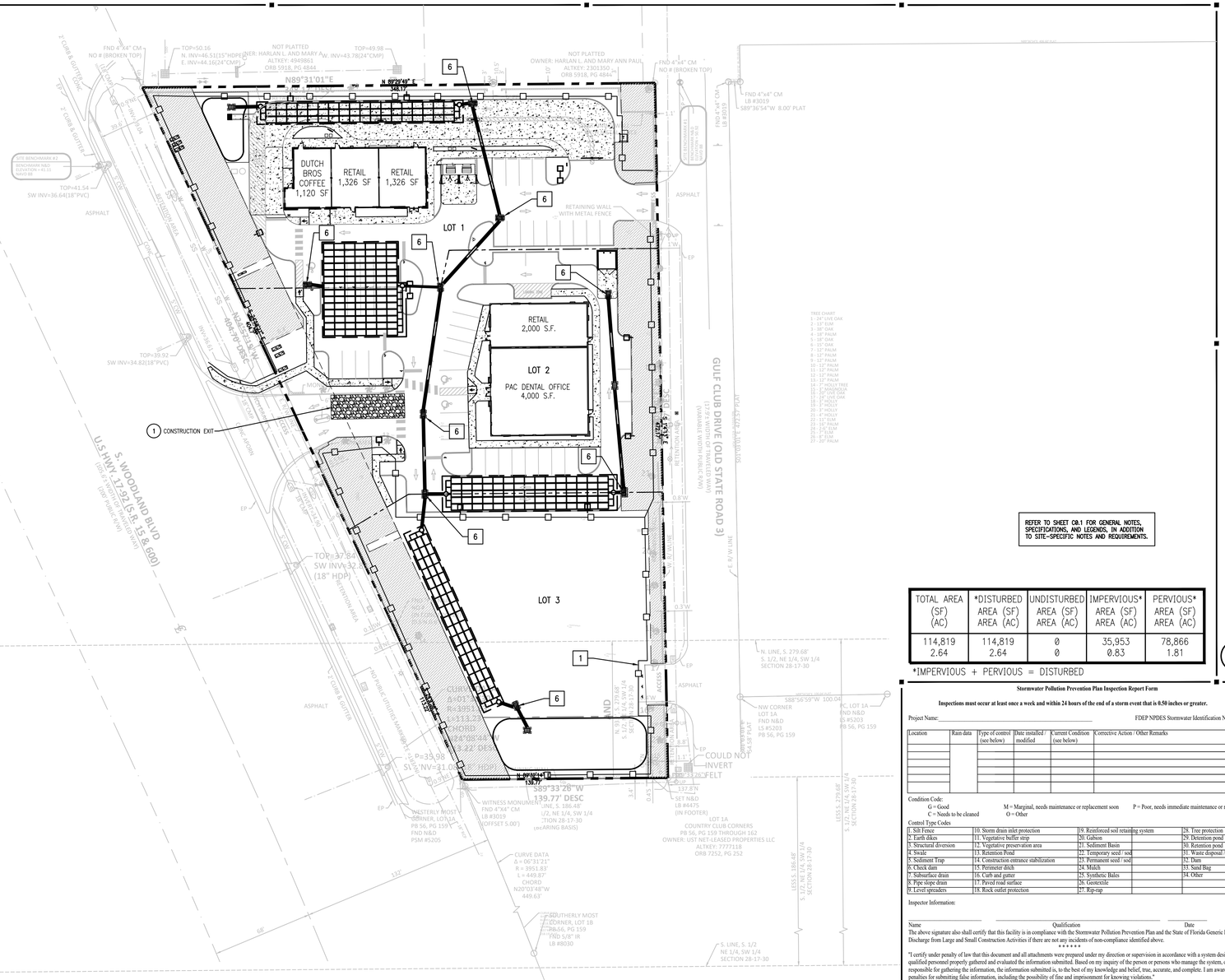


5 DITCH BOTTOM INLET



6 EROSION CONTROL SOCK

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



NORTH
30' 0 30' 60'
GRAPHIC SCALE

SWPPP / STORMWATER POLLUTION PREVENTION PLAN

1"=40'

REFER TO SHEET C0.1 FOR GENERAL NOTES, SPECIFICATIONS, AND LEGENDS, IN ADDITION TO SITE-SPECIFIC NOTES AND REQUIREMENTS.

TOTAL AREA (SF) (AC)	*DISTURBED AREA (SF) AREA (AC)	UNDISTURBED AREA (SF) AREA (AC)	IMPERVIOUS* AREA (SF) AREA (AC)	PERVIOUS* AREA (SF) AREA (AC)
114,819 2.64	114,819 2.64	Ø Ø	35,953 Ø.83	78,866 1.81

*IMPERVIOUS + PERVIOUS = DISTURBED

Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name:_____ FDEP NPDES Stormwater Identification Number: FLR10_____

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks

Condition Code:
G = Good
C = Needs to be cleaned
M = Marginal, needs maintenance or replacement soon
O = Other
P = Poor, needs immediate maintenance or replacement

Control Type Codes

1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system		28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion		29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin		30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod		31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod		32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch		33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Synthetic Bales		34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile		
9. Level spreaders	18. Rock outlet protection	27. Rip-rap		

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 persons 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

ENGINEER'S CERTIFICATIONS:

"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 persons 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."

_____ _____
STUART ANDERSON, P.E. #60848 Date

OWNER/AGENT CERTIFICATIONS:

I HAVE REVIEWED THIS PLAN AND AGREE TO COMPLY WITH THE REQUIREMENTS SHOWN HEREON.

_____ _____
OWNER/AUTHORIZED REPRESENTATIVE Date

POLLUTION CONTROL NOTES

ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONS OF SITE PERMITS.

2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

3. ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.

5. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.

6. THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.

7. CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE OF PROPERTY LINE.

8. CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO SITE.

9. ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.

10. FOR ADDITIONAL INFORMATION AND DETAILS, SEE F.D.O.T. INDEX NO. 102.

11. UNLESS SPECIFIED, SILT FENCES MAY BE USED IN LIEU OF SYNTHETIC BARRIERS.

12. ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.

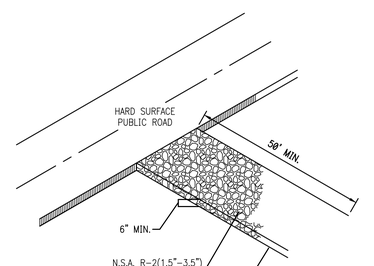
13. ADDITIONAL BARRIER LENGTHS MAY BE REQUIRED BY THE COUNTY ENGINEER OR BY REGULATORY AGENCIES.

14. FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR SYNTHETIC BALES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.

15. THE CONTRACTOR IS REQUIRED TO HAVE THIS PLAN ALONG WITH A COPY OF THE NPDES NOTICE OF INTENT POSTED IN A VISIBLE LOCATION ON THE CONSTRUCTION SITE AT ALL TIMES.

16. "CONTRACTOR IS REQUIRED BY NPDES TO KEEP A LOG ON SITE FOR THE SOIL EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLAN. THE LOG SHALL CONTAIN DATES FOR: INSTALLATION OF CONTROL MEASURES, MAJOR SITE CONSTRUCTION ACTIVITIES, INSPECTION ON AT LEAST A WEEKLY BASIS AND INSPECTION AFTER ANY RAINFALL EVENT THAT IS 1/2" OR GREATER".

17. THE CONTRACTOR IS REQUIRED TO SUBMIT A COPY OF THIS LOG ALONG WITH A NOTICE OF TERMINATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION UPON THE COMPLETION OF CONSTRUCTION.



NOTE: FC = 3000 P.S.I. (28 DAYS)

1 CRUSHED STONE CONSTRUCTION EXIT
NTS

INTERPLAN
INTERPLAN LLC
AR99238
CA 8660
ARCHITECTURE ENGINEERING PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO DATE REMARKS
REVISIONS

ALAKAI CAPITAL
2235 S. WOODLAND BLVD.
DELAND, FL
32720

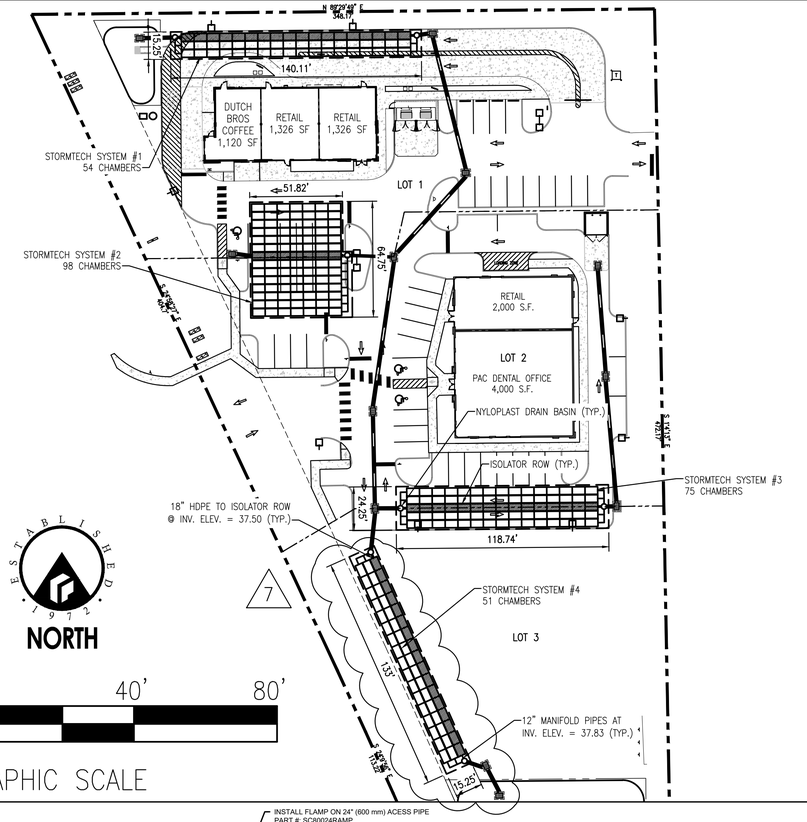
PROJECT NO: 2025.0815
DATE: 6/17/2026

C3.1
STORMWATER POLLUTION PREVENTION PLAN

CHECKED: CDB DRAWN: GFC

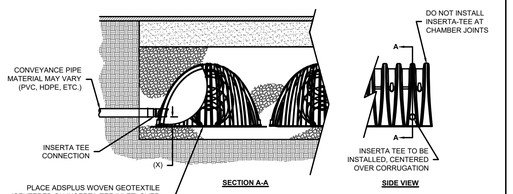
COPYRIGHT © 2026 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

SC-800 CHAMBERS LAYOUT



1

5 NOT USED



CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
SC-310	6" (150 mm)	4" (100 mm)
SC-740	10" (250 mm)	4" (100 mm)
SC-800	10" (250 mm)	4" (100 mm)
DC-780	10" (250 mm)	4" (100 mm)
MC-3500	12" (300 mm)	6" (150 mm)
MC-4500	12" (300 mm)	8" (200 mm)
MC-7200	12" (300 mm)	8" (200 mm)

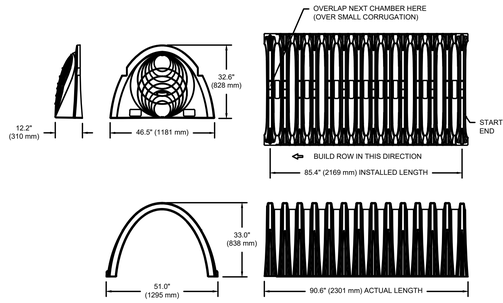
INSERTA TEE FITTINGS AVAILABLE FOR SDR 26, SDR 35, SCH 40 IPS GASKETED & SOLVENT WELD, N-12, HP STORM, C-900 OR DUCTILE IRON

NOTES:
- PART NUMBERS WILL VARY BASED ON INLET PIPE MATERIALS. CONTACT STORMTECH FOR MORE INFORMATION.
- CONTACT ADS ENGINEERING SERVICES IF INSERTA TEE INLET MUST BE RAISED AS NOT ALL INVERTS ARE POSSIBLE.

6 INSERTA-TEE SIDE INLET DETAIL

SC-800 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.6 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

NOMINAL END CAP SPECIFICATIONS

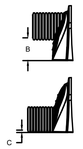
SIZE (W X H X INSTALLED LENGTH)	46.5" X 32.6" X 10.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.7 CUBIC FEET	(0.42 m³)
WEIGHT	15.7 lbs.	(7.1 kg)

* ASSUMES 6" (150 mm) STONE ABOVE AND BELOW CHAMBER, 3" (75 mm) BETWEEN CHAMBERS
** ASSUMES 6" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	---
SC800EPE06BPC		---	0.9" (23 mm)
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	---
SC800EPE08BPC		---	1.0" (25 mm)
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	---
SC800EPE10BPC		---	1.2" (30 mm)
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	---
SC800EPE12BPC		---	1.6" (41 mm)
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	---
SC800EPE15BPC		---	1.7" (43 mm)
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	---
SC800EPE18BPC		---	2.0" (51 mm)
SC800ECEZ	24" (600 mm)	---	2.3" (58 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

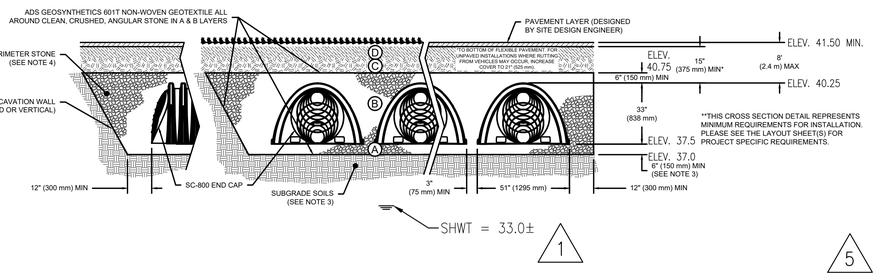


2 SC-800 TECHNICAL SPECIFICATIONS

ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 15" (375 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

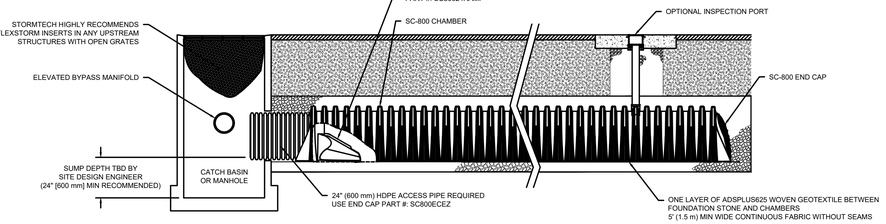
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

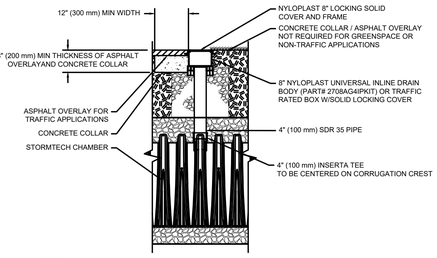
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 SC-800 CROSS SECTION DETAIL



SC-800 ISOLATOR ROW PLUS DETAIL
NTS

3 SC-800 ISOLATOR ROW PLUS DETAIL



NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

4 4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

DRAWN: SMW	DATE: 08/05/2025	
REVIEWED: JLM	PROJECT NO: 721-890	
REV:	NOT TO SCALE	

SC-800 STANDARD DETAILS

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS®
Advanced Drainage Systems, Inc.

SHEET
1

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON REFERENCED STANDARDS. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT UNLESS THE PLANS ARE SIGNED AND SEALED BY THE SITE DESIGN ENGINEER. THE SITE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION AND SEALING THE DOCUMENT. IT IS THE SITE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

7	6/11/26	OWNER REVISIONS
5	4/15/26	CITY COMMENTS
1	3/3/26	CITY COMMENTS
NO	DATE	REMARKS

REVISIONS

ALAKAI CAPITAL
2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

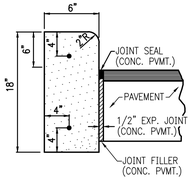
C3.2
STORMTECH SC-800 DETAILS

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

1 NOT USED

NTS



NOTES:

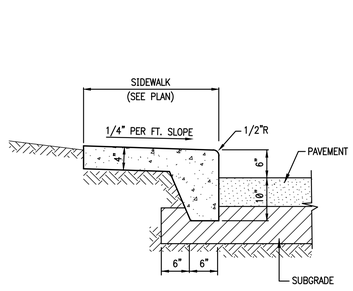
1. COST OF 2–#4 BARS (CONT.) SHALL BE INCLUDED.
2. PROVIDE 2–#6 SMOOTH BARS W/ EXPANSION CAPS AT EACH EXPANSION JOINT, 20'–0" O.C. MAX.
3. CONTRACTION JOINTS – CONTRACTION JOINTS SHALL BE PLACED AT EQUAL SPACES (10' MAX.) BETWEEN NORMAL EXPANSION JOINTS. CONTRACTION JOINTS SHALL BE SAW CUT IN THE UPPER 1/3 OF CURB AND GUTTER WITHIN 24 HOURS OF PLACEMENT.
4. ENDS OF VERTICAL CURB SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3 FEET.

PLAN SYMBOL

5 6" VERTICAL CURB

(3,500 PSI (MIN))

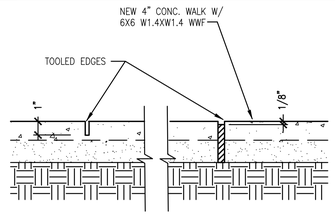
NTS



6 MONOLITHIC CURB & SIDEWALK DETAIL

(3,500 PSI (MIN))

NTS



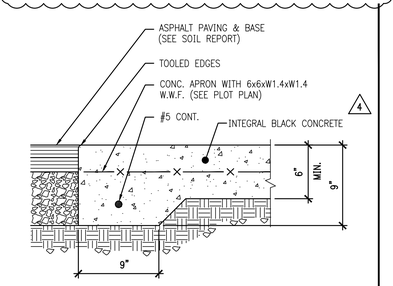
NOTE:
EXPANSION JOINTS SHALL BE LOCATED AT ALL CONCRETE WALK INTERSECTIONS, AT ALL DOOR OPENINGS AND AT 12' O.C. MAXIMUM.

EXPANSION JOINT (1/4" PREMOLDED ASPHALT STRIP) SHALL BE SET 1/8" BELOW TOP OF WALK. SCORE MARK (1" DEPTH) SHALL BE 4' (MAX.) O.C.

7 CONCRETE WALK

(3,500 PSI (MIN))

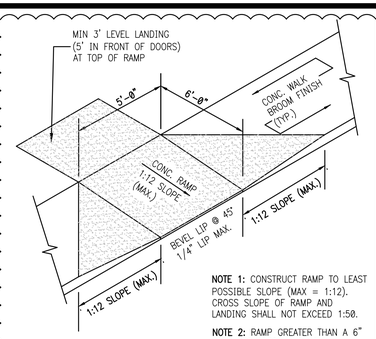
NTS



8 CONCRETE APRON

3,500 PSI (MIN.) CONCRETE

NTS



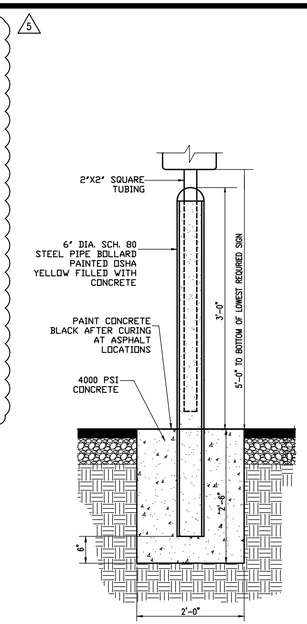
NOTE 1: CONSTRUCT RAMP TO LEAST POSSIBLE SLOPE (MAX = 1:12). CROSS SLOPE OF RAMP AND LANDING SHALL NOT EXCEED 1:50.

NOTE 2: RAMP GREATER THAN A 6" RISE REQUIRES HANDRAILS.

3 FLARED HANDICAP RAMP

3000 PSI (MIN.) CONCRETE

NTS



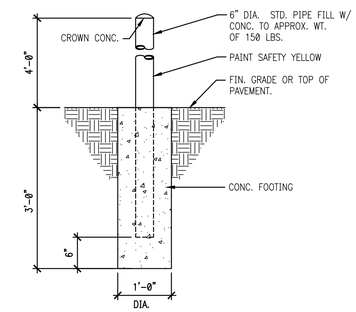
BOLLARD MOUNTED SIGN DETAIL

NOTE:
SIGNS SHALL BE FABRICATED USING S/F 0.08 NON-ILLUMINATED ALUMINUM WITH VINYL COPY APPLIED TO THE FIRST SURFACE.

NOTE:
VERIFY COLORS WITH LOCAL MUNICIPALITY.

9 BOLLARD MOUNTED SIGN

NTS

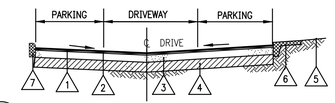


4 BOLLARD

NTS

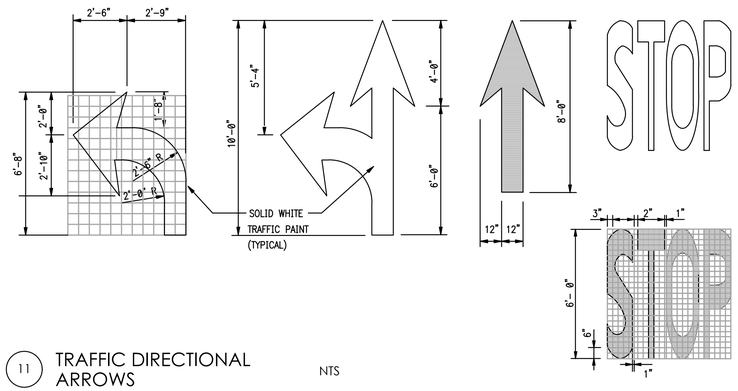
KEY TO TYPICAL PAVEMENT SECTIONS

1. 2" TYPE SP–12.5 ASPHALTIC CONCRETE – F.D.O.T. SECTION 331 MIN. MARSHALL STABILITY OF 1500#.
2. 8" LIMEROCK BASE COURSE STABILIZED TO A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 100 AND COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DRY DENSITY (AASHTO T–180). FDOT SECTION 200. DENSITY TEST SHALL BE PERFORMED EVERY 5,000 SQUARE FEET.
3. 12" STABILIZED SUBBASE STABILIZED TO A MIN. LIMEROCK BEARING RATIO (LBR) OF 40 AND COMPACTED TO 98%. F.D.O.T. SECTION 160.
4. GRASS AREA
5. SIDEWALK
6. 6" VERTICAL CURB



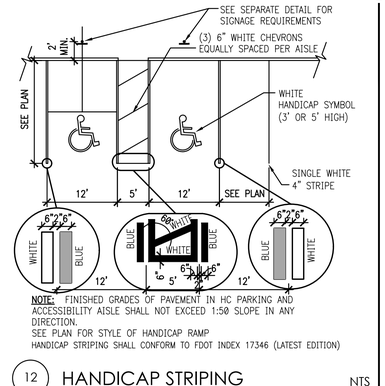
10 TYPICAL PAVEMENT SECTION

NTS



11 TRAFFIC DIRECTIONAL ARROWS

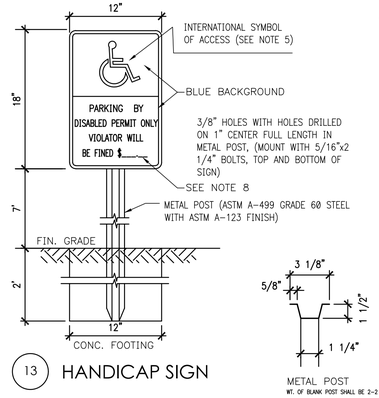
NTS



NOTE: FINISHED GRADES OF PAVEMENT IN HC PARKING AND ACCESSIBILITY AISLE SHALL NOT EXCEED 1:50 SLOPE IN ANY DIRECTION.
SEE PLAN FOR STYLE OF HANDICAP RAMP
HANDICAP STRIPING SHALL CONFORM TO FDOT INDEX 17346 (LATEST EDITION)

12 HANDICAP STRIPING

NTS



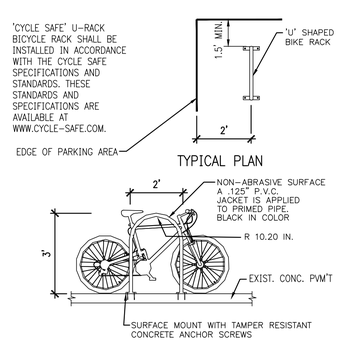
13 HANDICAP SIGN

NTS

NOTES:

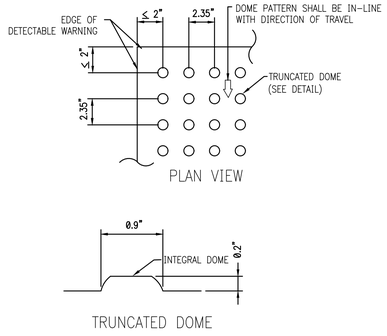
1. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
2. METAL POST TO BE GALVANIZED. ALL BOLTS, NUTS WASHERS AND SCREWS MUST BE RUSTPROOF.
3. CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 p.s.i.
4. SIGNS WILL BE FABRICATED BY USING REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDER APPLIED TO A SHEET ALUMINUM BACKING (.080) IN THICKNESS.
5. MESSAGE LETTERING SHALL BE UPPER CASE (WHITE)(SERIES B) 2" HIGH IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
6. THE SYMBOL IS COMPOSED OF TWO ELEMENTS, A WHITE WHEELCHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT) ON A SQUARE BACKGROUND, INTERNATIONAL BLUE IN COLOR (FED. STD. 595a, COLOR #15180).
7. SIGN POST SHALL BE MIN. 1' CLEAR FROM BACK OF WHEEL STOP OR CURB.
8. CONTRACTOR SHALL VERIFY FINE AMOUNT WITH LOCAL ORDINANCE.

NTS



14 BIKE RACK

NTS



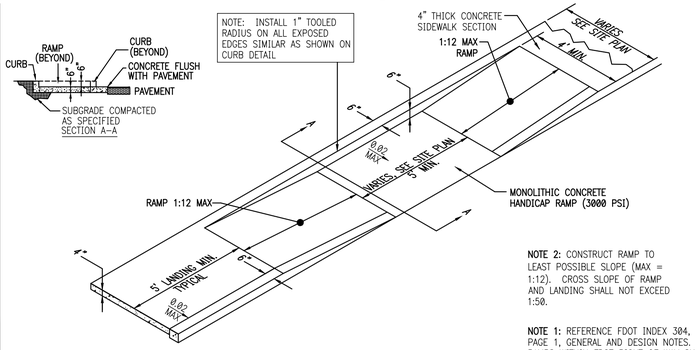
NOTE:

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

15 CURB RAMP DETECTABLE WARNING

3,500 PSI (MIN.) CONCRETE

NTS



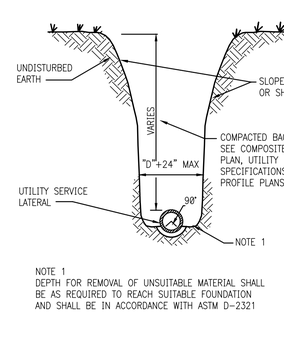
NOTE 2: CONSTRUCT RAMP TO LEAST POSSIBLE SLOPE (MAX = 1:12). CROSS SLOPE OF RAMP AND LANDING SHALL NOT EXCEED 1:50.

NOTE 1: REFERENCE FDOT INDEX 304, PAGE 1, GENERAL AND DESIGN NOTES. RAMPS WITHIN FDOT RIGHT OF WAY SHALL REQUIRE 2' LENGTH DETECTABLE WARNING IN LIEU OF 3' SHOWN IN DETAIL.

16 SIDE WALK HANDICAP RAMP

3,500 PSI (MIN.) CONCRETE

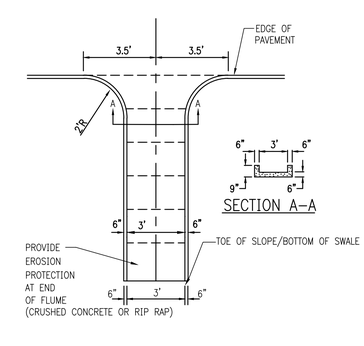
NTS



NOTE 1
DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL BE AS REQUIRED TO REACH SUITABLE FOUNDATION AND SHALL BE IN ACCORDANCE WITH ASTM D–2321

17 TRENCH DETAIL

NTS



18 CURB FLUME

NTS

INTERPLAN
INTERPLAN LLC
AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
5	4/15/26	CITY COMMENTS
4	4/1/26	OWNER REVISIONS

REVISIONS

ALAKAI CAPITAL
2235 S. WOODLAND BLVD.
DELAND, FL
32720

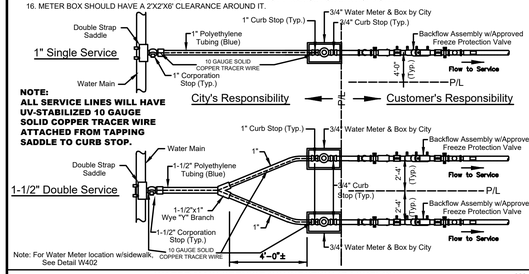
PROJECT NO: 2025.0815
DATE: 6/17/2026

C4.0
CIVIL DETAILS

CHECKED: CDB DRAWN: GFC

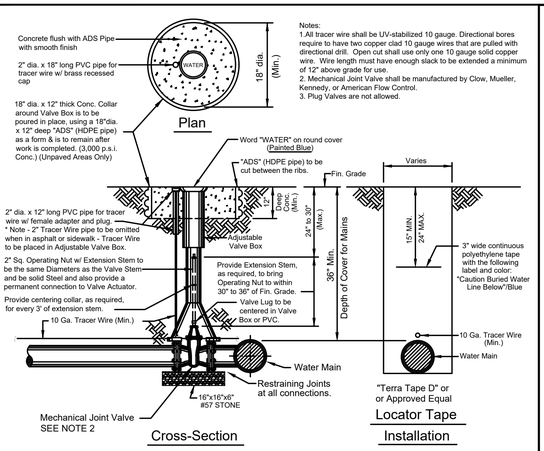
COPYRIGHT © 2026 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

NOTES:
1. WATER MAINS TO BE ON NORTH or EAST SIDE OF R.O.W., APPROX. 4 FT. BACK OF CURB UNLESS OTHERWISE AUTHORIZED BY CITY ENGINEER.
2. SERVICE CONNECTIONS TO BE 4 FT. FROM SIDE LOT LINE ON EITHER SIDE OF LOT. THESE SERVICES TO BE CONSISTENT WITHIN THE SUBDIVISION. DRIVEWAYS SHALL NOT BE BUILT OVER METERS.
3. ALL LINES SHALL BE CHLORINATED and PRESSURE TESTED (TEST FOR TWO HOURS @ 150 P.S.I.) UNDER THE DIRECTION OF THE UTILITIES DEPARTMENT. AFTER SUCCESSFUL COMPLETION OF THE TESTING and CHLORINATION, THE PRESSURE SHALL REMAIN ON THE SYSTEM AT ALL TIMES.
4. TEN FT. SEPARATION REQUIRED BETWEEN PARALLEL WATER & SANITARY SEWER LINES.
5. SADDLE IS REQUIRED FOR ALL SERVICE CONNECTIONS TO 4" PVC MAINS. SADDLE IS REQUIRED FOR 2" SERVICE CONNECTIONS TO 6" and LARGER PVC MAINS. LARGEST SERVICE CONNECTION TO A 4" MAIN IS MIN. 1-1/2" and LARGEST TO ANY MAIN IS 2".
6. MINIMUM DISTANCE BETWEEN SERVICE TAPS TO BE NOT LESS THAN 36".
7. SINGLE SERVICE TAP SHALL BE 1".
8. DOUBLE SERVICE TAP SHALL BE 1-1/ 2".
9. ALL FITTINGS SHALL BE BRASS ONLY.
10. ALL CORPORATION STOPS, SHALL BE "FORD" OR "MUELLER" ONLY.
11. FREEZE PROTECTION VALVE, SHALL BE "CONBRACO" 40LF000FPV2F.
12. ALL 3/4", 1", 1-1/2", & 2" W.M., SHALL BE SDR 9, 200 psi, ASTMD 2737, (BLUE) POLYETHYLENE TUBING.
13. ALL BRASS FITTINGS SHALL BE LEAD FREE.
14. NO GALVANIZED FITTINGS CONNECTED TO BRASS FITTINGS.
15. PLANTINGS AND OBSTRUCTIONS SHOULD BE AVOIDED WITHIN 3 FT. RADIUS FOR SERVICE ACTIVITY.
16. METER BOX SHOULD HAVE A 2"X2"X6' CLEARANCE AROUND IT.



DATE: 01/07/26 **WATER MAIN SERVICE CONNECTION (BACKFLOW)** **W401**

City of DeLand - Standard Details



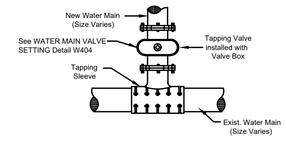
Notes:
1.All tracer wire shall be UV-stabilized 10 gauge. Directional bores require to have two copper clad 10 gauge wires that are pulled with directional drill. Open cut shall use only one 10 gauge solid copper wire. Wire length must have enough slack to be extended a minimum of 12" above grade for use.
2. Mechanical Joint Valve shall be manufactured by Clow, Mueller, Kennedy, or American Flow Control.
3. Plug Valves are not allowed.

DATE: 01/07/26 **WATER MAIN VALVE SETTING** **W404**

City of Deland - Standard Details



Typical Section



Plan View

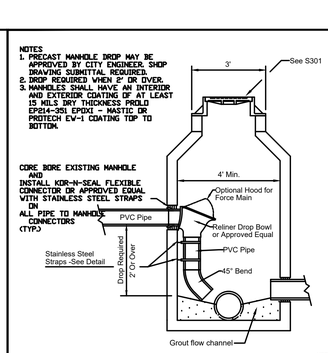
NOTES:
1. ALL TAPPING SLEEVES ABOVE 2" IN DIA. SHALL BE STAINLESS STEEL ONLY.
2. INSTALL REQUIRED RESTRAINED JOINTS. IN NO INSTANCE SHALL THRUST BLOCKS BE PERMITTED.
3. ONLY ROMAC INDUSTRIES, FORD STAINLESS STEEL OR JCM STAINLESS STEEL TAPPING SLEEVES ARE TO BE USED.
4. IN NEW CONSTRUCTION, ALL SADDLES, SLEEVES, VALVES, CORPORATION & CURB STOPS, TUBING WILL BE FURNISHED BY THE CONTRACTOR.

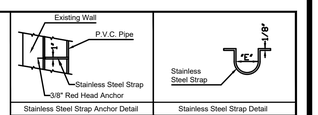
DATE: 01/07/26 **STAINLESS STEEL TAPPING SLEEVE** **W414**

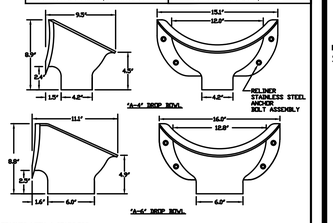
City of DeLand - Standard Details

NOTES
1. PRECAST MANHOLE DROP MAY BE APPROVED BY CITY ENGINEER. SHOP DRAWING SUBMITTAL REQUIRED.
2. DROP REQUIRED WHEN 2" OR OVER.
3. MANHOLES SHALL HAVE AN INTERIOR AND EXTERIOR COATING OF AT LEAST 15 MILS DRY THICKNESS PROLID EP214-351 EPOXY - MASTIC OR PROTECH EV-1 COATING TOP TO BOTTOM.

CORE BORE EXISTING MANHOLE AND INSTALL KOR-N-SEAL FLEXIBLE CONNECTOR OR APPROVED EQUAL WITH STAINLESS STEEL STRAPS ON ALL PIPE TO MANHOLE CONNECTORS (TYP.)



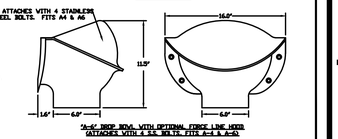




MODEL #
A4DB - 12" DROP BOWL WITH 4' OUTLET - USE FOR 4' - 5' DIA MH
A4R96 - 12" DROP BOWL WITH 4' OUTLET - USE FOR 6' - 8' DIA MH
A6DB - 12" DROP BOWL WITH 6' OUTLET - USE FOR 4' - 5' DIA MH
A6R96 - 12" DROP BOWL WITH 6' OUTLET - USE FOR 6' - 8' DIA MH

THE "A-4" BOWL WILL SERVICE UP THROUGH FULL 6" INLETS. THE "A-6" BOWL WILL SERVICE UP THROUGH FULL 9" INLETS. CAN BE USED FOR 10" AND 12" INLET MODERATE FLOWS. ALL SIZES ARE FOR RETROFIT OR NEW CONSTRUCTION. FABRICATED IN MARINE GRADE FIBERGLASS AND FINISHED IN BRIGHT WHITE GEL COAT.
USE 4 RELINER ANCHOR ASSEMBLIES TO ATTACH DROP BOWL TO MANHOLE WALL. USE RELINER STAINLESS STEEL PIPE BRACKETS TO SUPPORT DOWN PIPE. EXTERNAL PIPE COUPLER REQUIRED.
PROVIDE SWEEP AT DOWN PIPE OUTLET.

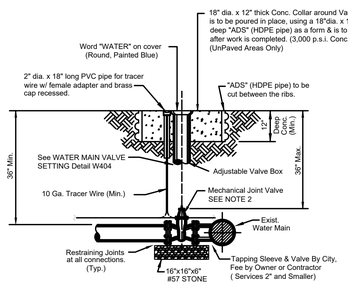
HOOD ATTACHES WITH 4 STAINLESS STEEL BOLTS. FITS A4 & A6



DATE: 01/07/26 **SANITARY MANHOLE - INSIDE DROP FOR GRAVITY & FORCEMAIN** **S304**

City of DeLand - Standard Details

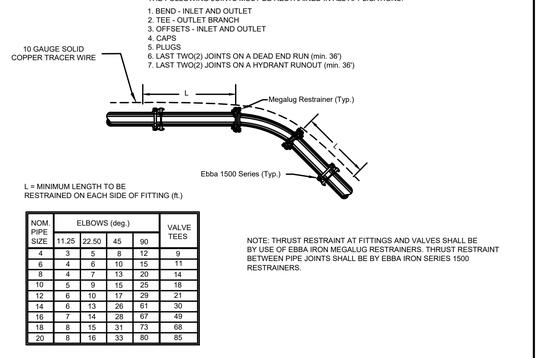
NOTES:
1. All tracer wire shall be UV-stabilized 10 gauge. Directional bores require to have two copper clad 10 gauge wires that are pulled with directional drill. Open cut shall use only one 10 gauge solid copper wire.



Notes:
1. For Wet Taps larger than 2", Sleeves & Valves will be furnished and installed by the contractor in the presence of the city inspector. Tapping sleeve shall be Ford, Romac, or JCM stainless steel only.
2. Mechanical Joint Valve shall be manufactured by Clow, Mueller, Kennedy, or American Flow Control.
3. Plug Valves are not allowed.

DATE: 01/07/26 **TAPPING SLEEVE & VALVE** **W407**

City of DeLand - Standard Details



L = MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (ft.)

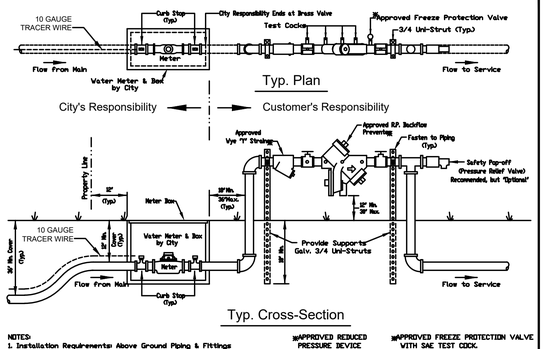
NOM. PIPE SIZE	ELBOWS (deg.)				VALVE TEES
	11.25	22.50	45	90	
4	3	5	8	12	9
6	4	6	10	15	11
8	4	7	13	20	14
10	5	9	15	25	18
12	6	10	17	29	21
14	6	13	26	61	30
16	7	14	28	67	49
18	8	15	31	73	68
20	8	16	33	80	85

THE FOLLOWING JOINTS MUST BE RESTRAINED IN ALL APPLICATIONS:
1. BEND - INLET AND OUTLET
2. TEE - OUTLET BRANCH
3. OFFSETS - INLET AND OUTLET
4. CAPS
5. PLUGS
6. LAST TWO(2) JOINTS ON A DEAD END RUN (min. 36')
7. LAST TWO(2) JOINTS ON A HYDRANT RUNOUT (min. 36')

NOTE: THRUST RESTRAINT AT FITTINGS AND VALVES SHALL BE BY USE OF EBBA IRON MEGALUG RESTRAINERS. THRUST RESTRAINT BETWEEN PIPE JOINTS SHALL BE BY EBBA IRON SERIES 1500 RESTRAINERS.

DATE: 01/07/26 **THRUST RESTRAINING DETAIL FOR PVC PIPE** **W408**

City of DeLand - Standard Details



NOTES:
1. Installation Requirements: Above Ground Piping & Fittings shall be Copper or Brass Only No PVC's.
2. Device shall be Properly Supported.
3. Device shall be Protected from Freezing.
4. Freeze protection valve shall be "CONBRACO" 40LF000FPV2F.
5. Device shall be Installed Level, Tested and Certified.
6. Certification of testing shall be placed in Permit Box for inspector's verification.
7. All Fittings shall be Lead Free.
8. All corporation stops, shall be "Ford" or "Mueller" only.
9. All Installations shall be Approved by the City Inspector.
10. All tracer wire shall be UV-stabilized 10 gauge. Directional bores require to have two 10 gauge copper clad wires that are pulled with directional drill. Open cut shall use only one 10 gauge solid copper wire.

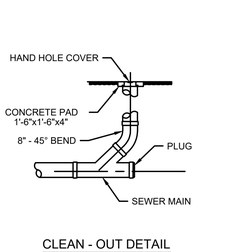
■APPROVED REDUCED PRESSURE DEVICE "Wilkins" 975XLB "Watts" LF909-QT

■APPROVED FREEZE PROTECTION VALVE WITH SAE TEST COCK. "Conbraco" (Apollo) 40LF000FPV2F OR ZURN MODEL ZVFR

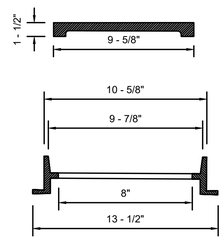
■APPROVED VYE "Y" STRAINER "Conbraco" (Apollo) 8YB34LF, 8YB1LF, 8YB1L4LF, 8YB1SLF, 8YB2LF

DATE: 01/07/26 **WATER METER & BACKFLOW ASSEMBLY - 1" THRU 2-1/2" MODELS** **W411**

City of DeLand - Standard Details



CLEAN - OUT DETAIL



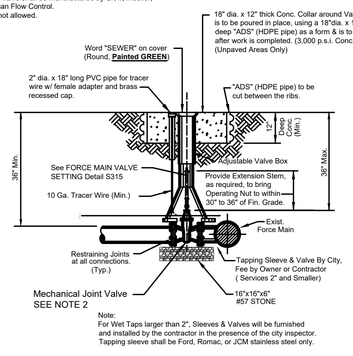
HAND HOLE COVER

NOTE: HAND HOLE COVER TO BE U.S. FOUNDRY 7621 OR EQUAL

DATE: 01/07/26 **CLEAN - OUT** **S308**

City of DeLand - Standard Details

Notes:
1.All tracer wire shall be 10 gauge. Directional bores require to have two 10 gauge copper clad wires that are pulled with directional drill. Open cut shall use only one 10 gauge solid copper wire. Wire length must have enough slack to be extended a minimum of 18" above grade for use.
2. Mechanical Joint Valve shall be manufactured by Clow, Mueller, Kennedy, or American Flow Control.
3. Plug Valves are not allowed.



Note:
For Wet Taps larger than 2", Sleeves & Valves will be furnished and installed by the contractor in the presence of the city inspector. Tapping sleeve shall be Ford, Romac, or JCM stainless steel only.

DATE: 01/07/26 **FORCE MAIN TAPPING SLEEVE & VALVE** **S407**

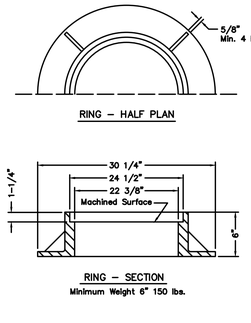
City of DeLand - Standard Details

Gravity Sewer Video Inspection Notes:

Sewer and Stormwater Pipe Installations: All gravity piping shall be flushed, cleaned and checked for line and grade and air tested according to sewer air testing specifications. No section of pipe shall have more than $\frac{1}{2}$" of standing water at any time during the video inspection. Jet vac trucks are not allowed to be used in the pipe while the pipe is being video inspected. ***For all gravity sewer mains installed a video inspection is to be conducted when backfill reaches a minimum of 3 feet above the pipe crown or upon completion of placement of the stabilized subgrade. After conducting the video inspections, a thumb drive containing all the video recordings and sewer inspection reports shall be submitted to the City's Utilities Department. The thumb drive shall contain all video recording of installed gravity wastewater pipes including video of the insides of all sewer manholes and manhole channels. Submit pipe videoing and sewer inspection reports to Scott Zender at the Utilities Department for review prior to the start of road paving.***

DATE: 01/07/26 **GRAVITY SEWER VIDEO REQUIREMENTS** **S408**

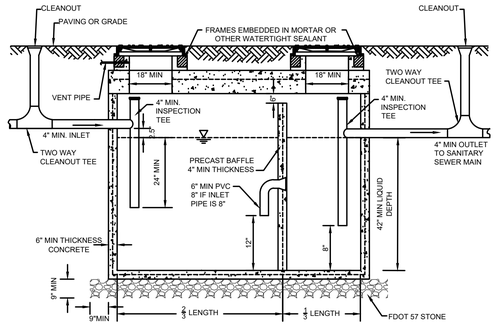
City of DeLand - Standard Details



NOTE:
Manufacturers model of storm ring and cover to be approved by City Engineer.

DATE: 01/07/26 **SANITARY MANHOLE COVER - USF 170-E** **S301**

City of DeLand - Standard Details



NOTES:
1. SPECIFIC DESIGN DETAILS MUST IN ALL ASPECTS MEET APPLICABLE FLORIDA PLUMBING AND ADMINISTRATIVE CODE.
2. SIZE GREASE INTERCEPTOR - MINIMUM SIZE 750 GAL; MAXIMUM SIZE 1250 GAL.
3. INTERCEPTORS SHALL BE WATER AND GAS TIGHT.
4. ALL FIXTURES LOCATED IN FOOD AND BEVERAGE PREPARATION AREAS SHALL BE ROUTED THOUGH GREASE INTERCEPTOR. RESTROOM WASTE SHALL NOT BE ROUTED THROUGH INTERCEPTOR.
5. BAFFLE REQUIRED; ALTERNATIVE DESIGNS ARE ACCEPTABLE THAT MEET FLORIDA PLUMBING AND ADMINISTRATIVE CODE.
6. LOADS:COVER TO MEET H-20 TRUCK WHEELS WITH 30% IMPACT PER AASHTO. TRAFFIC BEARING FRAME AND COVER TO MEET FDOT STANDARDS AND SHALL BE IMPRINTED WITH THE WORDS "GREASE TRAP".

DATE: 01/07/26 **GREASE TRAP** **S307**

City of DeLand - Standard Details

INTERPLAN
INTERPLAN LLC

AR99238
CA 8660

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO DATE REMARKS
REVISIONS

ALAKAI CAPITAL
2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

C4.1
CITY DETAILS

CHECKED: CDB DRAWN: GFC

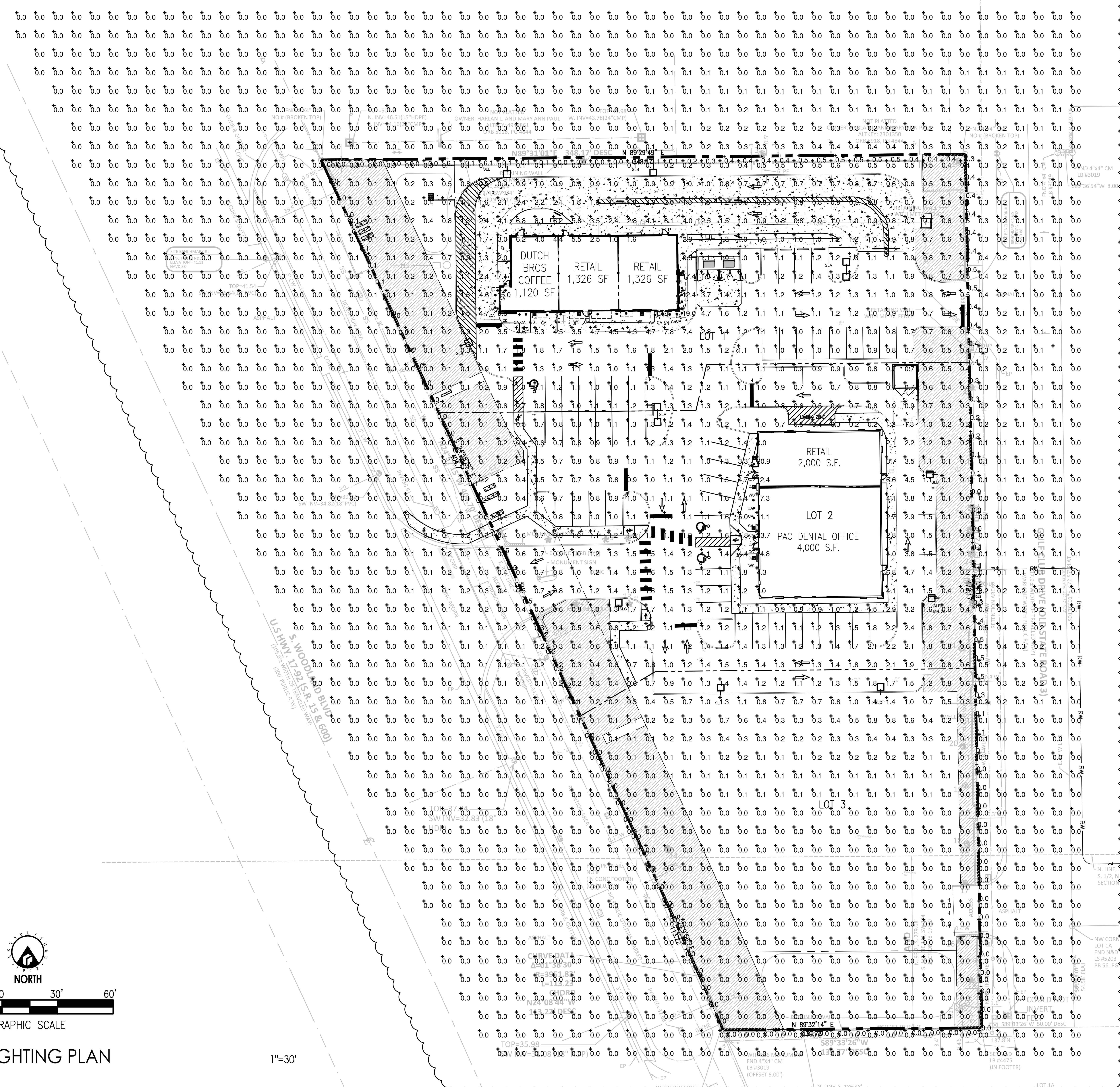
COPYRIGHT © 2005 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL USE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTION, CHANGES OR ASSIGNMENTS ARE PROHIBITED.

Landreth Lighting Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Property Line Summary	Illuminance	Fc	0.15	0.5	0.0	N.A.	N.A.
Parking Lot_1	Illuminance	Fc	1.47	15.0	0.4	3.68	37.50

Landreth Lighting Luminaire Schedule

Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
	Juno Lighting	32	CA	Single	WF4 ALO19 SWW5 90CRI MVOLT MB	1.000	13.5	1171	B1-U0-G1
	FC LIGHTING	8	WS	Single	FCCSQ600-20-WM-UNV-940-10L-(FINISH TBD)-72-LD	1.000	9.9	987	B1-U1-G0
	Lithonia Lighting	2	SLA	Back-Back	DSX0 LED P3 40K 80CRI T5W MVOLT RPA NLTAIR2 PIRHN XX(Finish) To be mounted on a 25' RTA direct burial pole	1.000	68.95	8562	B4-U0-G2
	Lithonia Lighting	5	SLB	Single	DSX0 LED P2 40K 80CRI BLC3 MVOLT RPA NLTAIR2 PIRHN XX(Finish) To be mounted on a 25' RTA direct burial pole	1.000	45.14	4124	B0-U0-G2
	Lithonia Lighting	3	SLC	Single	DSX0 LED P3 40K 80CRI T3M MVOLT RPA NLTAIR2 PIRHN XX(Finish) To be mounted on a 25' RTA direct burial pole	1.000	68.95	8070	B1-U0-G3
	Lithonia Lighting	5	WA	Single	DSXW1 P3 40K T3M MVOLT SRM E10WH (FINISH TBD)	1.000	21.05	3177	B1-U0-G2



SITE LIGHTING PLAN

1"=30'

D-Series Size 0

LED Area Luminaire

DLC LISTED PREMIUM · DLC LISTED · NIGHTTIME FRIENDLY · ds · BAA · BABA

d"series

Catalog Number | Notes | Type

Specifications

- EPA: 0.44 ft² (0.04 m²)
- Length: 26.18" (66.5 cm)
- Width: 14.06" (35.7 cm)
- Height H1: 2.26" (5.7 cm)
- Height H2: 7.46" (18.9 cm)
- Weight: 23 lbs (10.4 kg)

Design Select options indicated by this color background.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

ds design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

- **Series:** DSX0 LED
- **LEDs:** Forward optics: P1, P2, P3, P4, P5, P6, P7; Rotated optics: P10[1], P11[1], P12[1], P13[1]
- **Color temperature:** (this section 70CRI only) 30K 3000K, 40K 4000K, 50K 5000K; 27K 2700K, 30K 3000K, 35K 3500K, 40K 4000K, 50K 5000K
- **Color Rendering Index:** 70CRI, 70CRI, 70CRI; 80CRI, 80CRI, 80CRI, 80CRI, 80CRI
- **Distribution:** AFR Automotive front row; T1S Type I short; T2M Type II medium; T3M Type III medium; T3LG Type III low glare; T4M Type IV medium; T4LG Type IV low glare; TFTM Forward throw medium; T5M Type V medium; T5LG Type V low glare; T5W Type V wide; BLC3 Type III backlight control; BLC4 Type IV backlight control; LCCO Left corner cutoff; RCCO Right corner cutoff
- **Voltage:** MVOLT (120V-277V); HVOLT (347V-480V); XVOLT (277V-480V); 120; 208; 240; 277; 347; 480
- **Mounting:** Shipped included: SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole); RPA Round pole mounting (#8 drilling, 3" min. RND pole); SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole); RPA5 Round pole mounting (#5 drilling, 3" min. RND pole); SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole); WBA Wall bracket; MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options — Shipped installed:
- NLTAIR2 PIRHN: nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.
- PIR: High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc
- PER: NEMA twist-lock receptacle only (controls ordered separate)
- PER5: Five-pin receptacle only (controls ordered separate)
- PER7: Seven-pin receptacle only (controls ordered separate)
- FAO: Field adjustable output
- BL30: Bi-level switched dimming, 30%
- BL50: Bi-level switched dimming, 50%
- DMG: 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)

Other options — Shipped installed:
- HS: Houseside shield (black finish standard)
- L90: Left rotated optics
- R90: Right rotated optics
- CCE: Coastal Construction
- HA: 50°C ambient operation
- BAA: Buy America(n) Act and/or Build America Buy America Qualified
- SF: Single fuse (120, 277, 347V)
- DF: Double fuse (208, 240, 480V)

Shipped separately:
- EGSR: External Glare Shield (reversible, field install required, matches housing finish)
- BSDB: Bird Spikes (field install required)

Finish (required): DDBXD Dark Bronze; DBLXD Black; DNAXD Natural Aluminum; DWHXD White; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white

LITHONIA LIGHTING — COMMERCIAL OUTDOOR
1 Acuity Way • Decatur, Georgia 30035 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2025 Acuity Brands Lighting, Inc. All rights reserved.
DSX0-LED Rev. 08/28/25 Page 1 of 9

INTERPLAN
INTERPLAN LLC
AR99238
CA 8660
ARCHITECTURE
ENGINEERING
PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO	DATE	REMARKS
5	4/15/26	CITY COMMENTS
1	2/25/26	CITY COMMENTS

REVISIONS

ALAKAI CAPITAL

2235 S. WOODLAND BLVD.
DELAND, FL
32720

PROJECT NO: 2025.0815
DATE: 6/17/2026

SL1

SITE LIGHTING PLAN

CHECKED: CDB DRAWN: GFC

COPYRIGHT © 2025 INTERPLAN LLC RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.