

PROVIDENCE SELF-STORAGE PHASE 2 RAA #3

FINAL ENGINEERING PLANS

193 RONALD REAGAN PKWY

DAVENPORT, FLORIDA 33837

PARCEL ID # 28-26-07-9328-5400-0020

PREPARED FOR

STORAGE UNITS PROVIDENCE, LLC

350 E. CROWN POINT ROAD, SUITE 1080

WINTER GARDEN, FL 34787

(407) 399-8810

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ENGINEER

TANNATH DESIGN, INC.
2494 ROSE SPRING DRIVE
ORLANDO, FL 32825
(407) 375-2474
CONTACT: Bryan Potts, P.E.

SURVEY OF

SHANNON SURVEYING
499 NORTH SR 434, SUITE 2045
ALTAMONTE SPRINGS, FL 32714
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CONTACT: James R. Shannon, P.L.S.

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3532 MAGGIE BLVD.
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(407) 423-0504
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WATER AND SEWER

1011 JIM KEENE BLVD
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CONTACT: Tamara Richardson

ELECTRIC

DUKE ENERGY
LAKE WALES OPERATION CENTER
2001 OLD SCENIC HWY
LAKE WALES, FL 33898

A PORTION OF BLOCK M; A PORTION OF LOTS 1, 3 AND 4, BLOCK P; AND A PORTION OF LOT 2, BLOCK Q; TOGETHER WITH THE VACATED PORTIONS PINE STREET, OAK STREET AND PALM STREET; ALL AS DESCRIBED AND RECORDED ON THE PLAT OF ROY A. MILLER'S SUBDIVISION AT LOUGHMAN, FLA.; TOGETHER WITH A PORTION OF SECTION 7, TOWNSHIP 26 SOUTH, RANGE 28 EAST, LYING ADJACENT TO THE EAST LINE OF A 100 FOOT WIDE POWER EASEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 2762 PAGE 1317, PUBLIC RECORDS OF POLK COUNTY, FLORIDA; ALL BEING SITUATED IN SECTION 12, TOWNSHIP 26 SOUTH, RANGE 2 EAST AND IN SECTION 7, TOWNSHIP 26 SOUTH, RANGE 28 EAST, POLK COUNTY, FLORIDA, BEING DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHEAST CORNER OF TRACT B, DRAYTON-PRESTON WOODS AT PROVIDENCE - PHASE 2, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 161, PAGES 35 THROUGH 40, PUBLIC RECORDS OF POLK COUNTY, FLORIDA; THENCE RUN WESTERLY ALONG THE NORTHERLY LINE OF SAID TRACT B, THE FOLLOWING THREE (3) COURSES AND DISTANCES: THENCE RUN 86°22'00"W, A DISTANCE OF 1,040.22 FEET; THENCE RUN S 78°45'54" W, A DISTANCE OF 60.00 FEET; THENCE RUN S 70°06'06" W, A DISTANCE OF 380.37 FEET; THENCE, DEPARTING SAID NORTHERLY LINE, RUN N 39°48'55" E, A DISTANCE OF 1,092.10 FEET TO A POINT ON THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF KINNEY HARMON ROAD, AS RECORDED IN OFFICIAL RECORDS BOOK 6161, PAGE 570, PUBLIC RECORDS OF POLK COUNTY, FLORIDA; THENCE RUN S 50°14'24" E, ALONG SAID SOUTHWESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 913.83 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF PALM STREET; THENCE RUN N 00°13'55" E, ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 26.07 FEET TO A POINT ON THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF KINNEY HARMON ROAD, AS RECORDED IN OFFICIAL RECORDS BOOK 6571, PAGE 293, PUBLIC RECORDS OF POLK COUNTY, FLORIDA; THENCE RUN S 50°04'46" E, ALONG SAID SOUTHWESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 71.62 FEET TO A POINT ON THE EAST LINE OF THE AFORESAID 100 FOOT WIDE POWER EASEMENT; THENCE RUN N 00°36'08" W, ALONG THE EAST LINE THEREOF, A DISTANCE OF 159.69 FEET TO THE POINT OF BEGINNING.

CONTAINING 12.58 ACRES, MORE OR LESS



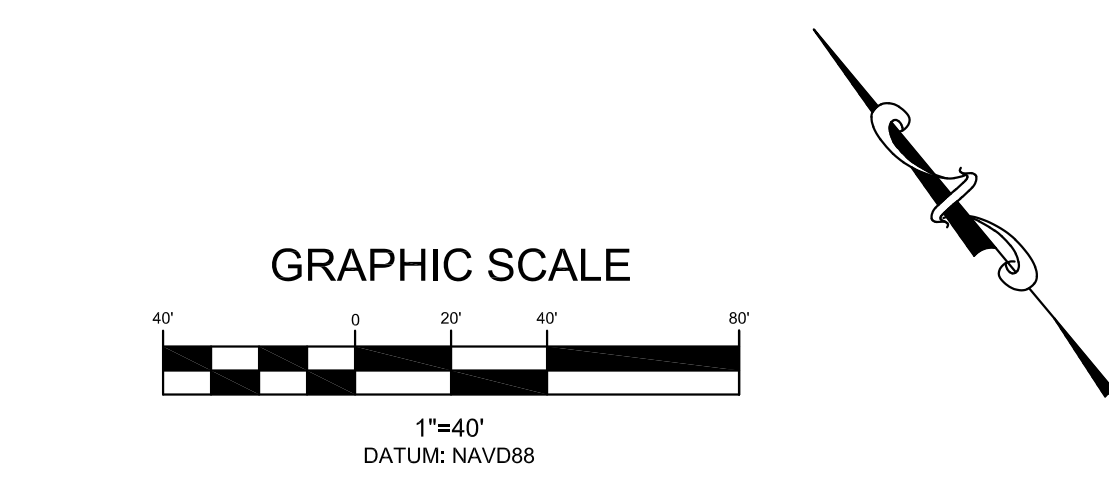
SECTION 7, TOWNSHIP 26 SOUTH, RANGE 28 EAST

LOCATION SKETCH

SHEET INDEX OF DRAWINGS	
SHEET	NAME
CIVIL	
C-0.0	COVER SHEET
	BOUNDARY & TOPOGRAPHICAL SURVEY
C-1.0	EROSION CONTROL PLAN
C-1.1	DEMOLITION PLAN
C-2.0	SITE PLAN
C-3.0	PAVING, GRADING & DRAINAGE PLAN
C-4.0	UTILITY PLAN
C-5.0	SITE CROSS SECTIONS
C-6.0	PAVING DETAILS
C-7.0	DRAINAGE DETAILS
C-8.0	UTILITY DETAILS
LANDSCAPE	
L100	LANDSCAPE PLAN
L101	LANDSCAPE PLAN
L102	LANDSCAPE PLAN
L200	LANDSCAPE DETAILS & SPECS

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COVER SHEET		DATE 09/18/24	
		SCALE NTS	
		DRAWN-BY CMF	
PROJECT NUMBER: C-0.0		REVISED PER COMMENTS DDP 02/26/25	
		ISSUED FOR PERMITTING BRP 09/19/24	
		BY DATE	
		NO. REVISIONS	
 <p>Sunshine 811</p>		 <p>TANNATH DESIGN, INC. 2404 ROSE SPRING DRIVE ORLANDO, FLORIDA 32825 (407) 982-9878 tannathdesign.com FL CERT. OF AUTH. #27199</p>	
PROVIDENCE RETAIL 193 RONALD REAGAN PKWY POLK COUNTY, FLORIDA			
SHEET NO.			



1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE & LOCAL CODES, ORDINANCES & REGULATIONS. THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL PLAN AND IMPLEMENT ALL MEASURES NEEDED TO ENSURE ADEQUATE EROSION & SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE POLK COUNTY EROSION CONTROL MANUAL, FLORIDA WATER POLLUTION CONTROL BOARD, DIVISION OF ENVIRONMENTAL PROTECTION & FLORIDA DEPARTMENT OF TRANSPORTATION REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW THE EROSION CONTROL MANUAL, FLORIDA DEPARTMENT OF TRANSPORTATION & TRAFFIC DESIGN STANDARDS & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
2. SEE SHEET C-7.0 FOR EROSION CONTROL DETAILS.
3. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE APPLIED AS A PERIMETER TO PREVENT THE TRANSPORT OF EROSION & SEDIMENT OFF THE PROJECT SITE OR TO ADJACENT WATER BODIES OR WETLANDS.
4. THE CONTRACTOR SHALL PREPARE & IMPLEMENT AN EROSION CONTROL PLAN AS PART OF THE SCOPE OF WORK COVERED BY THESE PLANS. THE CONTRACTOR SHALL USE THE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION & SEDIMENT TRANSPORT DURING CONSTRUCTION. THE FLORIDA DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND & WATER MANAGEMENT" MAY BE USED AS A REFERENCE FOR RECOMMENDED BEST MANAGEMENT PRACTICES RELATED TO EROSION & SEDIMENT CONTROL.

3. THE CONTRACTOR SHALL SUBMIT THE EROSION CONTROL PLAN TO THE ENGINEER & POLK COUNTY LAND DEVELOPMENT FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
4. THE EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER & POLK COUNTY LAND DEVELOPMENT FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
5. THE SITE SHALL BE GRADED SUCH THAT ALL STORMWATER WILL BE DIRECTED INTO THE ON-SITE RETENTION POND(S). SYNTHETIC BALES SHALL BE STAKED IN LOCATIONS WHERE WATER ENTERS THE POND(S) TO FILT OUT THE SEDIMENT. THE CONSTRUCTION FINES, CONTRACTOR SHALL MAKE PROVISIONS TO AVOID TRACKING DIRT AND LUSTERS ABOVE THE ROADWAY VIA TRUCK AND EQUIPMENT TIRES.
6. ALL SURFACE WATER DISCHARGE FROM THIS SITE, INCLUDING DEWATERING DISCHARGE, SHALL BE STAKED TO WATER QUALITY STANDARDS (LESS THAN 20 NTU ABOVE NATURAL BACKGROUND CONDITIONS) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS.
7. IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE PLANS DO NOT PROVE TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARD FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED.
8. ALL EROSION & SEDIMENT CONTROL MEASURES WHICH ARE NECESSARY TO LIMIT THE TRANSPORT OF SOIL SEDIMENTS TO THE ADJACENT WATERSHEDS AND TO ADJACENT WATER BODIES OR WETLANDS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE BEST MANAGEMENT PRACTICES & IMPLEMENT STRUCTURAL MEASURES AS NEEDED TO PREVENT EROSION & SEDIMENT TRANSPORT FROM THE WORK AREA. THE FOLLOWING ARE MINIMUM RECOMMENDED GUIDELINES TO BE IMPLEMENTED DURING THE CONSTRUCTION AS PART OF THE EROSION & SEDIMENT CONTROL PLAN:
 - A. STOCKPILING OF MATERIAL.

NO EXPOSED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
 - B. EXPOSED AREA LIMITATION & PROTECTION.

THE SURFACE AREA OF OPEN, RAW VULNERABLE SOIL EXPOSED BY CLEARING & GRUBBING OPERATIONS OR EXCAVATION OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF OFF-SITE SEDIMENT TRANSPORT. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING EROSION CONTROL DEVICES. THE FOLLOWING ARE MINIMUM REQUIREMENTS:










1. SLOPES STEEPER THAN SIXTY DEGREES, SWALES, OR A COMBINATION OF THESE & OTHERS MEASURES AS WARRANTED.
9. INLET PROTECTION SHALL BE PROVIDED DURING CONSTRUCTION FROM SEDIMENT INLETS & CATCH BASINS SHALL BE PROTECTED BY A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS AND OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.
10. TEMPORARY GRASSING
A. WHEN ORDERED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON WHEN IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. SLOPES STEEPER THAN 6:1 SHALL ADDITIONALLY BE MULCHED OR COVERED WITH A GEOTEXTILE. THE FOLLOWING ARE MINIMUM REQUIREMENTS:

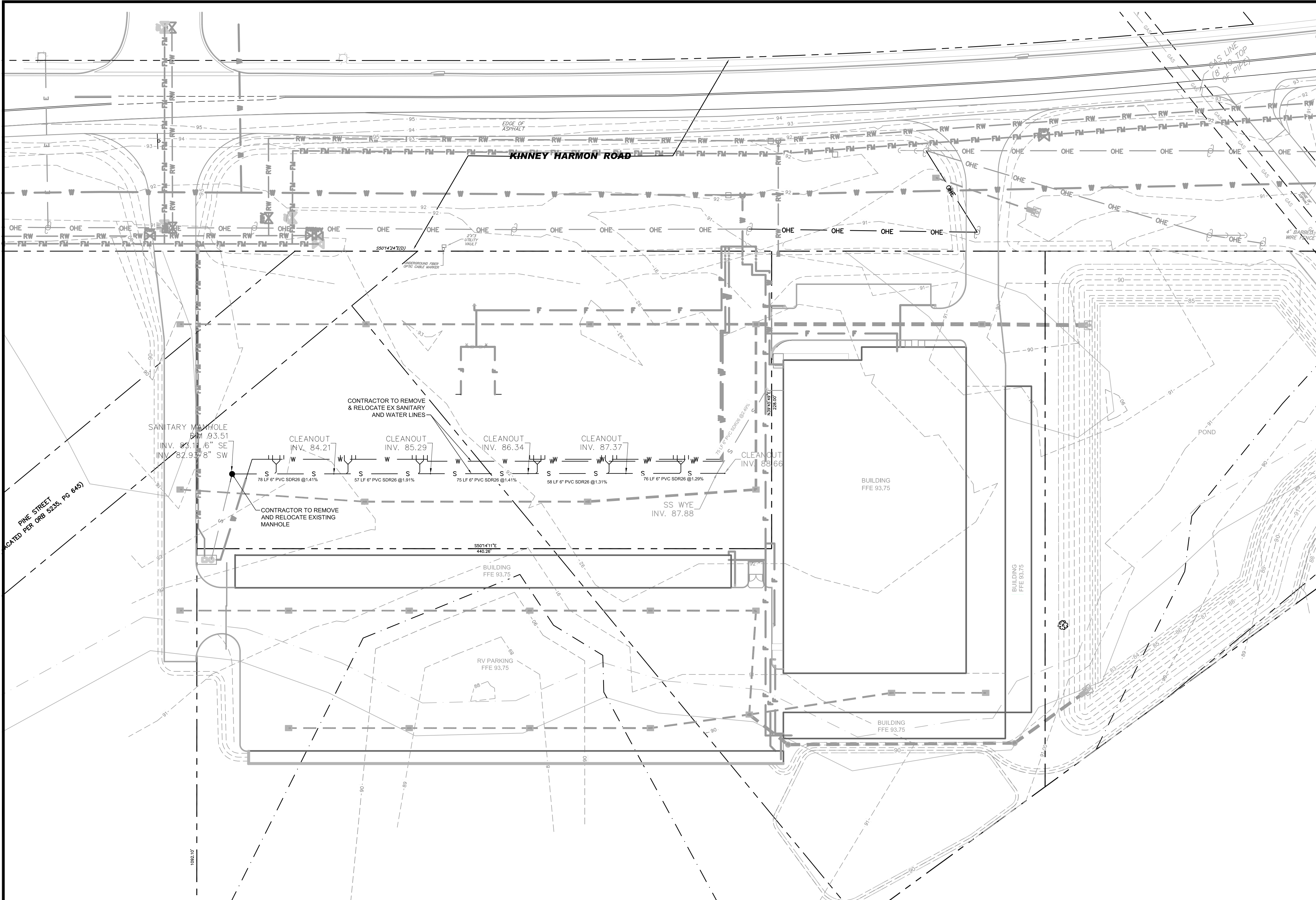
1. MULCHING OF APPROXIMATELY 2 INCHES DEEP TO A DEPTH OF 4 INCHES. THE SEEDER OR SOODED CUTTED AREAS SHALL BE ROLLED & WATERED AS NEEDED TO ENSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. IF AFTER 14 DAYS, THE TEMPORARY GRASSSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% OF GOOD GRASS COVER, THE AREAS WILL BE REWORKED & ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER AT CONTRACTOR COST.
11. EROSION
A. EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE EROSION & CONTROL MEASURES ON A WEEKLY BASIS (24 HOURS OR MORE) DURING THE CONSTRUCTION PERIOD & IMMEDIATELY REPAIR ANY OBSERVED DAMAGED CONTROLS. ALL EROSION & SEDIMENT CONTROLS SHALL BE MAINTAINED AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE PROJECT SITE.
12. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE STABILIZED WITH EITHER GRASS OR SAND-SOIL BED. THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MET:
 - A. ALL DRY BASIN BOTTOMS MUST BE SEEDDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. A TOPSOIL MIXTURE MAY BE REQUIRED IN EXCESSIVELY DRAINED SANDY SOILS. SLOPE STEEPER THAN 3:1 MUST HAVE THE SOIL STAPLED OR PEGGED. BASIN SIDE SLOPES FLATTER THAN 3:1 MAY BE SEEDDED AND MULCHED OR SOODED.
 - B. EROSION PROTECTION AT THE OUTLET OF ALL DRAINAGE STRUCTURES MUST BE PROVIDED, FOR OUTLET VELOCITIES LESS THAN THREE FEET PER SECOND, GEGGED OR STAPLED SOIL MUST BE PROVIDED. FOR VELOCITIES GREATER THAN THREE FEET PER SECOND, AN ENERGY DISSIPATION DEVICE MUST BE INSTALLED, SUCH AS RIPRAP, Baffles, OR STILLING BASINS.
 - C. A 12-INCH STRIP OF SOD SHALL BE PLACED AROUND THE FULL PERIMETER OF ALL HEAD WALLS, END WALLS, AND MITERED END INSTALLATIONS.
 - D. DURING CONSTRUCTION, PROVISIONS MUST BE MADE TO MINIMIZE DISTURBANCE TO AND COMPACTION OF SOILS IN THE BASIN BOTTOM.
13. APPROXIMATE SLOPES AFTER MAJOR GRADING VARIIES BETWEEN 0.8% TO 0.2%; MAXIMUM SLOPES ARE FOUND AT THE DRIVEWAY & THEY RANGE BETWEEN 1% TO 6%.
14. AREAS OF SOILS DISTURBANCE IS LIMITED TO THE AREA WITHIN THE SILT FENCE LINES AS SHOWN ON THIS PLAN.
15. ALL PERVIOUS AREAS WILL BE SEEDDED & SOODED, UNLESS OTHERWISE NOTED.
16. NO WETLANDS & SURFACE WATERS EXIST ON THIS PROJECT.

Co	CONSTRUCTION EXIT - STONE PAD AT SITE EXIT TO REMOVE MUD FROM TIRES. (STONE SIZE = 1 1/2" x 1/2" DIAMETER THICKNESS = 6").
Sed	A SILT FENCE BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.
St	INLETS AND CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.

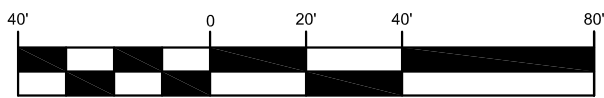
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EROSION CONTROL PLAN					   		
PROVIDENCE PHASE 2				TANNATH DESIGN, INC. 2894 ROSE SPRING DRIVE ORLANDO, FLORIDA 32825 (407) 962-3876 www.tannathdesign.com FL. CERT. OF AUTH. #27199			
DRAWN-BY CMF					  		
PROJECT NUMBER: 069-006					REVISED PER COMMENTS DDP 03/12/25 REVISED PER COMMENTS DDP 02/25/25 ISSUED FOR PERMITTING BRP 09/27/24	BY	DATE
C-1.0							
SHEET NO.							



GRAPHIC SCALE



EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE & LOCAL CODES, ORDINANCES & REGULATIONS GOVERNING POLLUTION OF THE ENVIRONMENT & SHALL IMPLEMENT ALL MEASURES NEEDED TO ENSURE ADEQUATE EROSION & SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE POLK COUNTY, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, & FLORIDA DEPARTMENT OF TRANSPORTATION REQUIREMENTS. INSTALLATION OF SILT FENCES & TURBIDITY BARRIERS SHALL BE IN ACCORDANCE WITH FOOT ROADWAY & TRAFFIC DESIGN STANDARDS & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
2. SEE SHEET C-7.0 FOR EROSION CONTROL DETAILS.
3. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE APPLIED AS A PERMITTER DEFENSE AGAINST THE TRANSPORTATION OF SILT & SEDIMENTS OFF THE PROJECT SITE OR INTO ADJACENT WATER BODIES OR WETLANDS.
4. THE CONTRACTOR SHALL PREPARE & IMPLEMENT AN EROSION CONTROL PLAN AS PART OF THE SCOPE OF WORK COVERED BY THESE PLANS. THE CONTRACTOR SHALL USE THE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION & SEDIMENT TRANSPORT DURING CONSTRUCTION. THE FLORIDA DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND & WATER MANAGEMENT" MAY BE USED AS REFERENCE FOR RECOMMENDED BEST MANAGEMENT PRACTICES RELATED TO EROSION & SEDIMENT CONTROL.
5. THE CONTRACTOR SHALL SUBMIT THE EROSION CONTROL PLAN TO THE OWNER FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
6. THE SITE SHALL BE GRADED SUCH THAT ALL STORMWATER WILL BE DIRECTED INTO THE ON-SITE RETENTION POND(S). SYNTHETIC BALES SHALL BE STAKED IN LOCATIONS WHERE WATER ENTERS THE POND(S) TO FILTER OUT ERODED SOILS & CONSTRUCTION FINES. CONTRACTOR SHALL MAKE PROVISIONS TO AVOID TRACKING DIRT AND CONSTRUCTION DEBRIS TO THE ROADWAY VIA TRUCK AND EQUIPMENT TIRES.
7. ALL SURFACE WATER DISCHARGE FROM THIS SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE NATURAL BACKGROUND CONDITIONS) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS.
8. IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE PLANS DO NOT PROVE TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARD FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED.
9. ALL EROSION & SEDIMENT CONTROL MEASURES WHICH ARE NECESSARY TO LIMIT THE TRANSPORT OF SILTS & SEDIMENTS TO OUTSIDE THE LIMITS OF THE WORK AREA OR TO WATER BODIES OR WETLANDS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE BEST MANAGEMENT PRACTICES & IMPLEMENT STRUCTURAL MEASURES AS NEEDED TO PREVENT EROSION & SEDIMENT TRANSPORT FROM THE WORK AREAS. THE FOLLOWING ARE MINIMUM RECOMMENDED GUIDELINES TO BE IMPLEMENTED DURING THE CONSTRUCTION AS PART OF THE EROSION & SEDIMENT CONTROL PLAN.
 - A. STOCKPILING OF MATERIAL:

NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
 - B. EXPOSED AREA LIMITATION & PROTECTION:

THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING & GRUBBING OPERATIONS OR EXCAVATION & FILLING OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF OFF-SITE SEDIMENT TRANSPORT. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING EFFECTIVE EROSION & SEDIMENT CONTROL MEASURES SUCH AS SILT SCREENS, SYNTHETIC BALES, TURBIDITY BARRIERS, SWALES, OR A COMBINATION OF THESE & OTHER MEASURES AS WARRANTED.
 - C. INLET PROTECTION:

INLETS & CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.
 - D. TEMPORARY GRASSING:

AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. SLOPES STEEPER THAN 6:1 SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES OF LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDER AREA TO A DEPTH OF 4 INCHES. THE SEEDER OR SEEDER & MULCHER AREAS SHALL BE ROLLED & WATERED AS NEEDED TO ENSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. IF AFTER 14 DAYS, THE TEMPORARY GRASSING AREAS HAVE NOT ATTAINED A MINIMUM OF 75% OF GOOD GRASS COVER, THE AREAS WILL BE REWORKED & ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER AT CONTRACTOR COST.
 - E. MAINTENANCE:

EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE EROSION & CONTROL MEASURES ON A WEEKLY BASIS & 24 HOURS FOLLOWING RAINFALL EVENTS (0.5" OR GREATER) & IMMEDIATELY REPAIR ANY OBSERVED DAMAGED CONTROLS. ALL EROSION & SEDIMENT CONTROLS SHALL BE MAINTAINED AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
10. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE STABILIZED WITH EITHER GRASS OR SAND-BASED SOD. THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MET:
 - A. ALL DRY BASIN BOTTOMS MUST BE SEEDDED. THE SEEDING MIX MUST PROVIDED BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. A TOPSOIL MIXTURE MAY BE REQUIRED IN EXCESSIVELY DRAINED SANDY SOILS. SIDE SLOPES STEEPER THAN 3:1 MUST HAVE THE SOD STAPLED OR PEGGED. BASIN SIDE SLOPES FLATTER THAN 3:1 MAY BE SEEDDED AND MULCHED OR SODDED.
 - B. EROSION PROTECTION AT THE OUTLET OF ALL DRAINAGE STRUCTURES MUST BE PROVIDED. FOR OUTLET VELOCITIES LESS THAN THREE FEET PER SECOND, PEGGED OR STAPLED SOD MUST BE PROVIDED. FOR VELOCITIES IN EXCESS OF THREE FEET PER SECOND, AN ENERGY DISSIPATION DEVICE MUST BE INSTALLED, SUCH AS RIPRAP, BAPFLES, OR STILLING BASINS.
 - C. A 12-INCH STRIP OF SOD SHALL BE PLACED AROUND THE FULL PERIMETER OF ALL HEAD WALLS, END WALLS, AND MITERED END INSTALLATIONS.
 - D. DURING CONSTRUCTION, PROVISIONS MUST BE MADE TO MINIMIZE DISTURBANCE TO AND COMPACTION OF SOILS IN THE BASIN BOTTOM.
11. APPROXIMATE SLOPES AFTER MAJOR GRADING VARIES BETWEEN 0.8% TO 2%; MAXIMUM SLOPES ARE FOUND AT THE DRIVEWAY & THEY RANGE BETWEEN 1% TO 8%.
12. AREAS OF SOILS DISTURBANCE IS LIMITED TO THE AREA WITHIN THE SILT FENCE LIMITS AS SHOWN ON THIS PLAN.
13. ALL PERVIOUS AREAS WILL BE SEEDDED & SODDED, UNLESS OTHERWISE NOTED.
14. NO WETLANDS & SURFACE WATERS EXIST ON THIS PROJECT.

EROSION CONTROL LEGEND

- (Co) CONSTRUCTION EXIT - STONE PAD AT SITE EXIT TO REMOVE MUD FROM TIRES. (STONE SIZE = 1 1/2"-3 1/2" DIAMETER THICKNESS = 6").
- (Sd) A SILT FENCE BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.
- (Sl) INLETS AND CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.

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AND SEAL ARE VERIFIED ON ANY ELECTRONIC COPIES.



DEMOLITION NOTES:

1. THE LOCATIONS, ELEVATIONS, & THE DIMENSIONS OF EXISTING UTILITIES & OTHER FEATURES ARE SHOWN ON THE PLANS ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, & THE DIMENSIONS OF ALL EXISTING UTILITIES & OTHER FEATURES AFFECTING THE WORK PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROPOSED WORK.
2. THE CONTRACTOR SHALL ASSURE THAT ALL APPROPRIATE AND REQUIRED PERMITS ARE IN HAND AND DISPLAYED ON THE SITE AS REQUIRED BY REGULATOR AGENCIES PRIOR TO PROCEEDING WITH DEMOLITION. CONTRACTOR SHALL ASSURE THAT THE OWNER HAS BEEN ISSUED A NOTICE TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL, PRIOR TO INITIATION OF ANY SITE CLEARING OR OTHER CONSTRUCTION ACTIVITIES, INSTALL SILT SCREENS DOWNSTREAM OF ALL AREAS WHICH HAVE POTENTIAL OF EROSION OR SEDIMENT TRANSPORT OFF-SITE OR TO WATER BODIES. THE CONTRACTOR SHALL IMPLEMENT OTHER STRUCTURAL EROSION CONTROL MEASURES IF REQUIRED TO PREVENT SEDIMENT TRANSPORT TO OFF-SITE AREAS & WATER BODIES.
4. CONTRACTOR SHALL PROTECT THE EDGE OF ALL REMAINING PAVEMENT AND HARDSCAPE. DO NOT HAUL OVER UNPROTECTED PAVEMENT OR SAWCUT EDGES.
5. CONTRACTOR SHALL LEAVE SITE FREE OF HOLES, HAZARDS, IMPOUNDMENTS AND DEBRIS UPON COMPLETION.
6. ALL TRASH, DEBRIS, & OTHER MATERIAL REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL REGULATIONS.
7. ANY EXCAVATED TRENCHES ARE TO BE BACKFILLED WITH CLEAN SAND COMPACTED TO AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE (AASHTO T-180). REFER TO GEOTECHNICAL REPORT FOR SPECIFIC COMPACTION REQUIREMENTS UNDER BUILDING & OTHER STRUCTURES.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION, LOCATION AND PROTECTION OF ALL UTILITIES THAT MAY EXIST WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOTIFY SUNSHINE LOCATORS FORTY EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION AT 1-800-432-4770, MONDAY THROUGH FRIDAY 7:00 AM TO 4:30 PM.

SPILL PREVENTION CONTROLS AND COUNTERMEASURES:

- I. MATERIALS MANAGEMENT:

GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING MEASURES WILL BE FOLLOWED ON-SITE DURING CONSTRUCTION:

 - AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB;
 - ALL MATERIALS ON-SITE WILL BE STORED IN A NEAT AND ORDERLY MANNER, IN APPROPRIATE CONTAINERS, AND UNDER A ROOF OR COVER IF POSSIBLE;
 - PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THEIR ORIGINAL LABELS;
 - SUBSTANCES WILL NOT BE MIXED UNLESS RECOMMENDED BY THE MANUFACTURERS;
 - WHENEVER POSSIBLE, PRODUCTS WILL BE COMPLETELY USED BEFORE DISCARDING THE CONTAINERS;
 - MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED AND MATERIALS SAFETY DATA SHEETS (MSDS) WILL BE MAINTAINED ON-SITE;
 - THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR ENSURING ADHERENCE TO GOOD HOUSEKEEPING MEASURES.

PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES AND EQUIPMENT WILL BE MONITORED FOR LEAKS. PETROLEUM PRODUCTS WILL BE STORED PROPERLY ON-SITE. ASPHALT SUBSTANCES WILL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. REFUELING OF EQUIPMENT AND VEHICLES ON-SITE WILL BE MINIMIZED AND EXTRAORDINARY CARE WILL BE UTILIZED IF REFUELING IS NECESSARY.
- II. SPILL CONTROL PRACTICES:

IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES, THE FOLLOWING SPILL CONTROL MEASURES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

 - MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE KEPT IN ANY MATERIAL STORAGE AREAS OR ON-SITE CONSTRUCTION OFFICES OR TRAILERS. THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR MAKING ON-SITE PERSONNEL AND SUBCONTRACTORS AWARE OF THE MANUFACTURER'S LITERATURE AND ALL OF THE SPILL CONTROL PRACTICES;
 - MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS OR ON-SITE CONSTRUCTION OFFICES OR TRAILERS. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, ABSORBENT GRANULES, SAND OR SAWDUST, AND PLASTIC OR METAL TRASH CONTAINERS;
 - ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY;
 - THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY;
 - SPILLS OF TOXIC OR HAZARDOUS MATERIALS WILL BE REPORTED TO THE APPROPRIATE STATE OR CITY GOVERNMENT AGENCY;
 - THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING. A DESCRIPTION OF SPILLS WHICH DO OCCUR WILL INCLUDE WHAT CAUSED THE SPILL, WHEN IT OCCURRED, THE NATURE OF THE SPILL, AND HOW IT WAS CLEANED UP.

EROSION CONTROLS FOR NON STORMWATER DISCHARGES:

- A) WASTE DISPOSAL:
- WASTE MATERIAL:
ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER WHICH WILL BE MAINTAINED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY IN CITY/COUNTY. THE DUMPSTER WILL MEET ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AT LEAST TWICE A WEEK OR MORE OFTEN IF NECESSARY. THE TRASH WILL BE HAILED TO AN APPROVED CITY/COUNTY LANDFILL. NO CONSTRUCTION WASTE WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE SUPERINTENDENT CONSTRUCTION TRAILER. THE INDIVIDUAL RESPONSIBLE FOR MANAGING THIS TASK WILL BE IDENTIFIED BY THE CONTRACTOR.
- HAZARDOUS WASTE:
ALL HAZARDOUS WASTE MATERIALS WILL BE MANAGED AND DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR HAZARDOUS WASTE MANAGEMENT AND DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE SUPERINTENDENT CONSTRUCTION TRAILER. THE INDIVIDUAL RESPONSIBLE FOR MANAGING THIS TASK WILL BE IDENTIFIED BY THE CONTRACTOR.
- SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY LOCAL REGULATION.
- B) OFFSITE VEHICLE TRACKING:
A GRAVEL CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

DEMOLITION PLAN

PROVIDENCE PHASE 2
193 RONALD REAGAN PKWY
POLK COUNTY, FLORIDA

NO.	REVISIONS	ISSUED FOR PERMITTING	BY	DATE
1			BRP	02/26/25
2				
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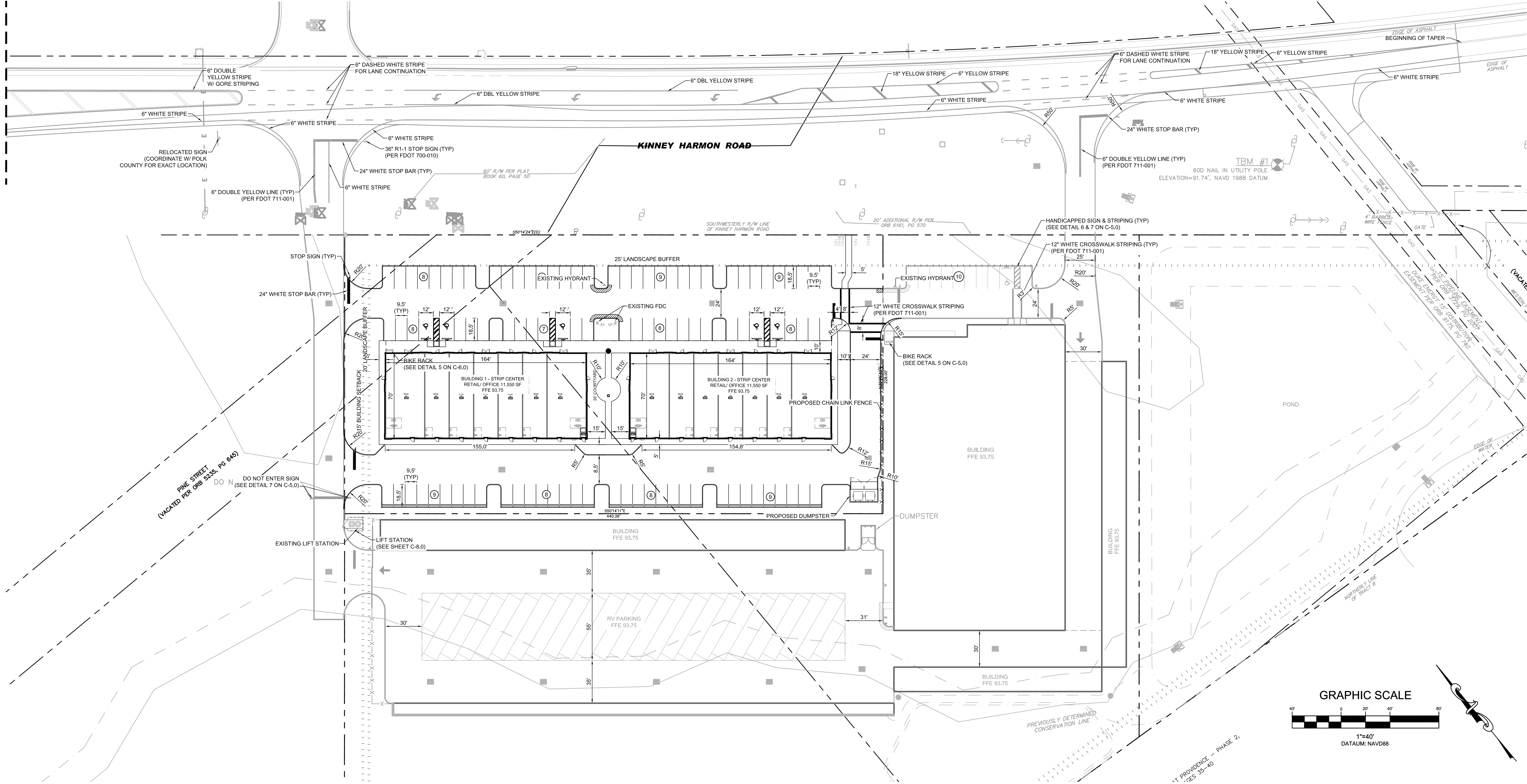


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2494 ROSE SPRING DRIVE
ORLANDO, FLORIDA 32825
(407) 982-9878
www.tannathdesign.com
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DATE	02/26/25
SCALE	1"=40'
DRAWN-BY	DDP
PROJECT NUMBER:	069-006
SHEET NO.	C-1.1

SEE BELOW FOR CONTINUATION



GRAPHIC SCALE

1"=40'
DATUM: NAVD88

SITE DATA:

PROPERTY LOCATION:	193 RONALD REAGAN PKWY		
PARCEL ID:	28-26-07-932854-000020		
LOCAL MUNICIPALITY:	POLK COUNTY		
FUTURE LAND USE:	CAC		
CURRENT ZONING:	CAC		
PROPOSED USE:	RETAIL/OFFICE		
TOTAL OVERALL PARCEL AREA:	2.30 AC		
MIN. OPEN SPACE:	30%		
MAX. F.A.R.	0.30		
BUILDING SETBACKS			
FRONT (NORTH)	65' FROM CL		
SIDE (EAST)	15'		
SIDE (WEST)	15'		
REAR (SOUTH)	15'		
LANDSCAPE BUFFERS			
FRONT (NORTH)	10'		
SIDE (EAST)	10'		
SIDE (WEST)	20'		
REAR (SOUTH)	20'		
BUILDING HEIGHT			
MAXIMUM	75'		
SOILS			
SOIL NUMBER	NAME	USDA TEXTURE	HYDROLOGIC GROUP
30	POMPANO	FINE SAND	A/D
35	HONTCON	MUCK	A/D
45	BASINGER	MUCKY FINE SAND	A/D
77	SATELLITE	SAND	A
SOILS DATA FROM USDA NRCS ONLINE SOILS SURVEY DATED SEPTEMBER 14, 2018			

FLOOD ZONE

THE SITE IS LOCATED IN FLOOD ZONE X AND ZONE AE (EL 90.4). NOT A SPECIAL FLOOD AREA, PER FEMA F.I.R.M. PANEL 12105C0235 H, DATED DECEMBER 22, 2016 POLK COUNTY, FLORIDA.

WETLANDS

THE SOUTH PORTION OF THE SITE HAS WETLANDS. ALL WETLAND IMPACT HAVE BEEN MITIGATED WITH SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND ARMY CORPS OF ENGINEERS.

VEGETATION

THE SITE IS CURRENTLY A WOODED FIELD AND WETLANDS.

PARKING REQUIRED - STRIP CENTER	
RETAIL/OFFICE	23,100 SQ. FT. X (1 SPACE PER 300 SQ. FT.)
TOTAL PARKING REQUIRED	77 SPACES
PARKING PROVIDED - STRIP CENTER	
STANDARD PARKING SPACES	95 SPACES
HANDICAPPED PARKING SPACES	5 SPACES
TOTAL PARKING PROVIDED	100 SPACES

STORMWATER MANAGEMENT:

STORMWATER FACILITIES SHALL BE DESIGNED AND PERMITTED IN ACCORDANCE WITH POLK COUNTY & SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

GENERAL SITE NOTES:

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

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SITE PLAN

PROVIDENCE PHASE 2
193 RONALD REAGAN PKWY
POLK COUNTY, FLORIDA

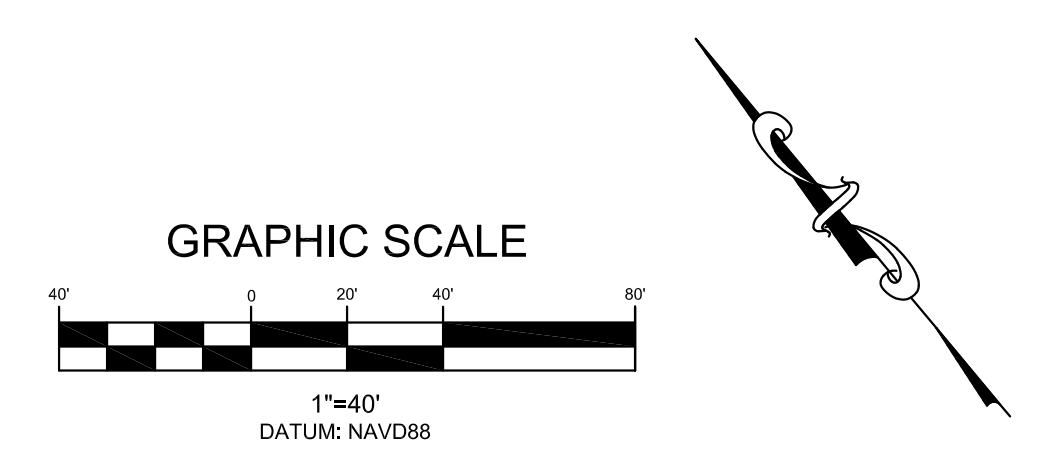
DATE	09/16/24
SCALE	1"=30'
DRAWN-BY	CMF
PROJECT NUMBER:	069-006
C-2.0	SHEET NO.












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REVISIONS	NO.	BY	DATE
REVISED PER COMMENTS		BRP	02/25/25
ISSUED FOR PERMITTING		BRP	09/27/24



LEGEND

	STORM STRUCTURE I.D.	
	MITERED END SECTION	
	STORM CATCH BASIN	
<p>T.O.W.=77.50 B.O.W.=76.50</p> 	TOP OF WALL BOTTOM OF WALL	
		    

- | <u>PAVEMENT LEGEND</u> | |
|---|---|
|  | 4" CONCRETE SIDEWALK
SEE DETAIL 2 ON C-6.0 |
|  | 8" CONCRETE PAVEMENT
SEE DETAIL 1 ON C-6.0 |
|  | ASPHALT PAVEMENT
SEE DETAIL 1 ON C-6.0 |
|  | EXISTING SIDEWALK |
|  | EXISTING ASPHALT |

- MAY REQUIRE DRYING MATERIALS TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT AN EXTRA COST, FROM OFF-SITE TO MEET THE REQUIREMENTS FOR CONSTRUCTION AND PROPER FILL.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL PRIOR TO T&E, TO DETERMINE IF ANY OFF-SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. A TREE REMOVAL PERMIT IS REQUIRED TO BE OBTAINED BY THE CONTRACTOR.
7. ALL FILL MATERIALS SHALL BE FREE OF MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH, OR OTHER UNSUITABLE MATTER.
8. ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USABLE (NON-PAVING) FILL, STONE AND BRUSH. IF MUCK OR STUMP STOCKPILES IF MUCK IS ENCOUNTERED, CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE.
9. FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-99. ALL FILL SHALL BE 8" OR LESS PER LAYER AND COMPACTED IN A MAXIMUM OF 12" LIFTS. REFER TO SOILS REPORT FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE OWNER WITH ALL (PASSING AND FAILING) TESTING

RESULTS, RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.

10. GRADING SHOWN ON THESE PLANS IS PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE IN ALL AREAS. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER A MINIMUM OF FORTY-EIGHT(48) HOURS PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.
11. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS II WITH RUBBER GASKET JOINTS. RCP SHALL CONFORM TO FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SECTION 942) SECTION 941. RUBBER GASKETS SHALL CONFORM TO SECTION 942.
12. ALL OTHER RELATED ITEMS REQUIRED FOR THE CONSTRUCTION OF THE STORM SEWER (OUTFALL PROTECTION, POLLUTION CONTROL, ETC.) ARE TO BE IN ACCORDANCE WITH DETAILS SHOWN ON THE CONSTRUCTION PLANS, FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND FOOT ROADWAY SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION).
13. ALL PIPE CALL OUTS ARE MEASURED CENTERLINE TO CENTERLINE FOR MANHOLES AND INLETS.
14. ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED WITH A SEED AND MULCH MIXTURE UNLESS OTHERWISE

NOTED.

15. ALL OFF-SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED WITH BAHIA.

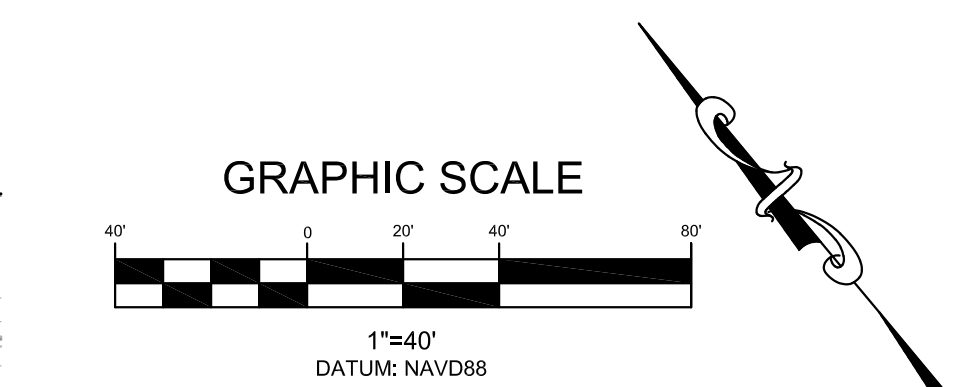
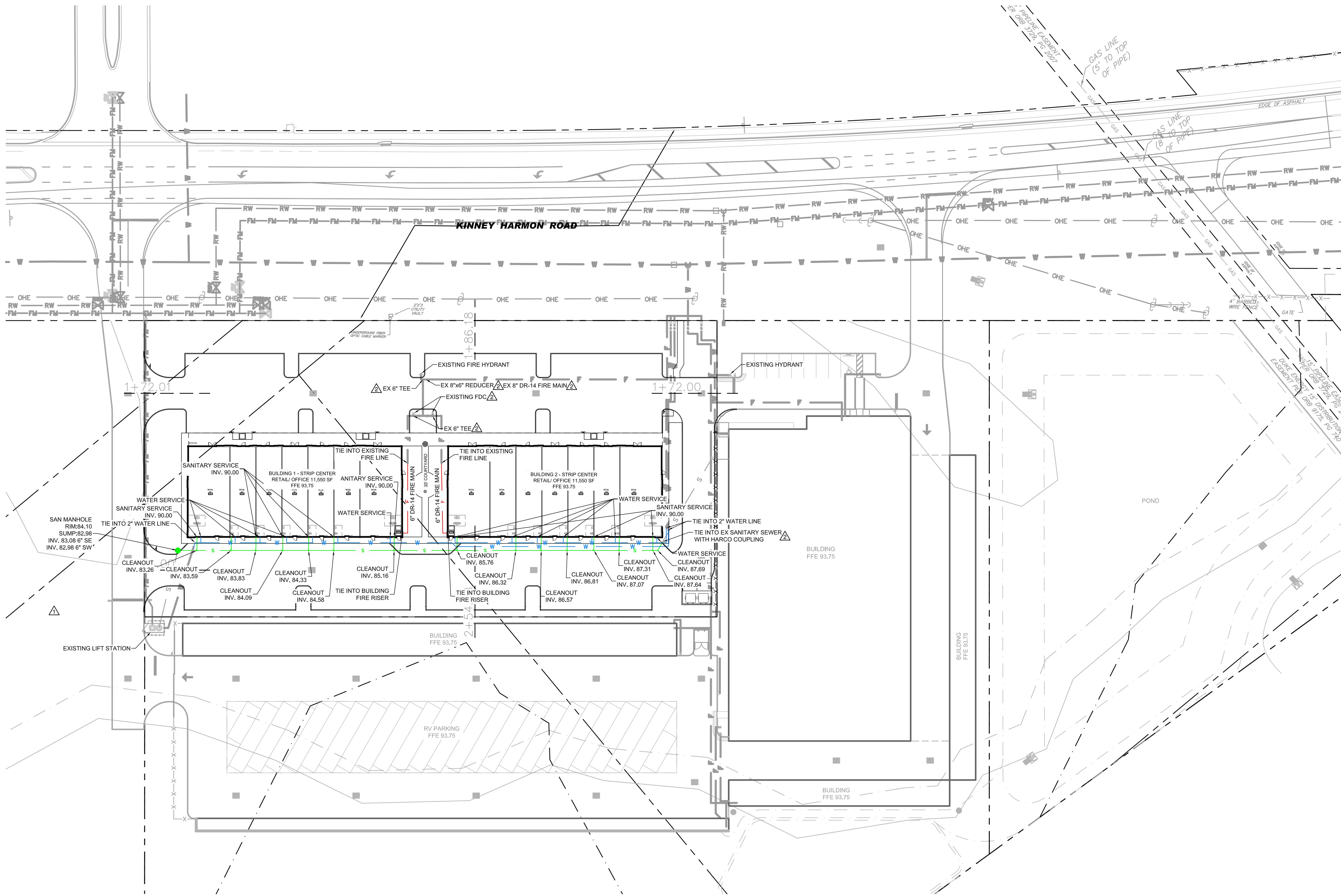
16. NO HARD WOOD TREES MAY BE PLANTED OVER OR WITHIN 5' OF UTILITY LINES OR STORM PIPES. ONLY SOD OR SOFT WOOD SHRUBS MAY BE PLANTED OVER UTILITY LINES

17. ALL MITERED END SECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 430-022.

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PAVING & GRADING PLAN													
PROVIDENCE PHASE 2 193 RONALD REAGAN PKWY POLK COUNTY, FLORIDA													
DATE			09/16/24										
SCALE			1"=40'										
DRAWN-BY			CMF										
PROJECT NUMBER:			069-006										
C-3.0													
SHEET NO.													



SANITARY WASTEWATER AND WATER SYSTEM NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AT ALL POINTS OF CONNECTION, AND AT ALL AREAS OF CONFLICT.
2. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE BEGINNING ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION & FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED, ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES & THE CONTRACTOR SHALL COOPERATE WITH THEM DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT & NO EXTRA COMPENSATION WILL BE ALLOWED.
4. ALL CONSTRUCTION OF THE SEWER COLLECTION AND WATER DISTRIBUTION SYSTEMS SHALL MEET POLK COUNTY SPECIFICATIONS FOR WASTEWATER & WATER MAIN CONSTRUCTION.
5. CROSS CONNECTION CONTROL SHALL BE IN ACCORDANCE WITH RULES & REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION-CHAPTER 62-555 "PERMITTING & CONSTRUCTION OF PUBLIC WATER SYSTEMS."
6. CONTRACTOR SHALL COORDINATE ALL WATER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE & PROVIDE FIVE (5) WORKING DAYS NOTICE OF WATER TESTS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION & AT CONTRACTOR'S EXPENSE.
7. ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVAL FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) & REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
8. SITE CONTRACTOR SHALL COORDINATE & VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS & BUILDING CONTRACTOR.
9. CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH HORIZONTAL & VERTICAL AS-BUILT INFORMATION ON LOCATION OF WATER MAINS, FITTINGS & WATER SERVICES LOCATED FROM CENTERLINE OF NEAREST FIRE HYDRANT OR NEAREST MANHOLE.
10. SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED.
11. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE & THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
12. EXISTING WATER MAINS SHALL BE PROTECTED FROM CONTAMINATION DURING THE FILLING, FLUSHING, & TESTING OF NEW LINES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA C651 92.
13. THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE FDEP WATER PERMIT, & RECEIVE APPROVAL THEREOF FROM THE LOCAL WATER UTILITY. ENGINEER OF RECORD, & FDEP, PRIOR TO PLACING IN SERVICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE FDEP WATER & SEWER PERMITS FROM THE OWNER & MAINTAIN THEM ON THE JOB SITE AT ALL TIMES. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE AWWA 651 "DISINFECTING WATER MAINS."
14. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
15. THERE ARE NO PRIVATE WELLS WITHIN 75' OF THE PROPOSED ON-SITE SEWAGE TREATMENT DISPOSAL SYSTEM.
16. WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO PERMITTING.
17. CONTRACTOR SHALL PROVIDE WRITTEN REQUEST WITH PROPOSED TIME AND DATE OF CONNECTION AT LEAST 5 WORKING DAYS IN ADVANCE OF PLANNED CONNECTION.

UTILITY SEPARATION NOTE:

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

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

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

UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE. UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER, AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER.

SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES

NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE. EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS

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

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UTILITY PLAN	
PROVIDENCE PHASE 2	
193 RONALD REAGAN PKWY	
POLK COUNTY, FLORIDA	
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C-4.0	
SHEET NO.	

REVISIONS	BY	DATE
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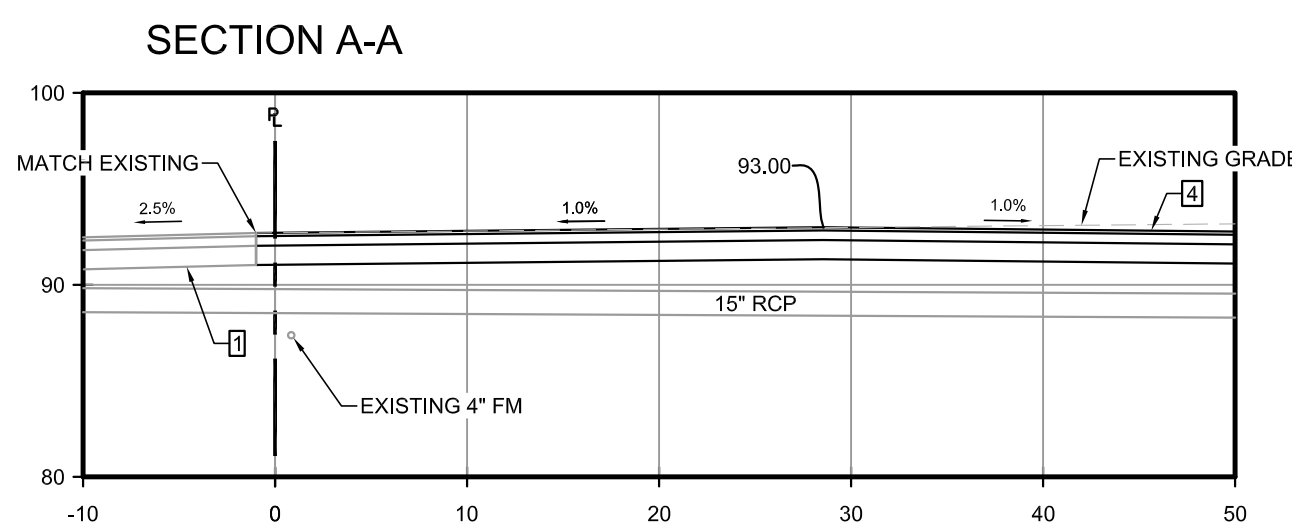
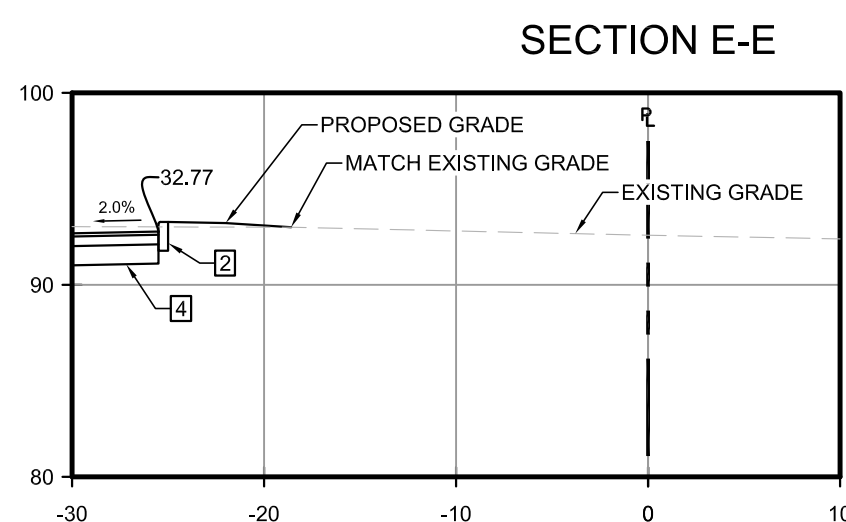
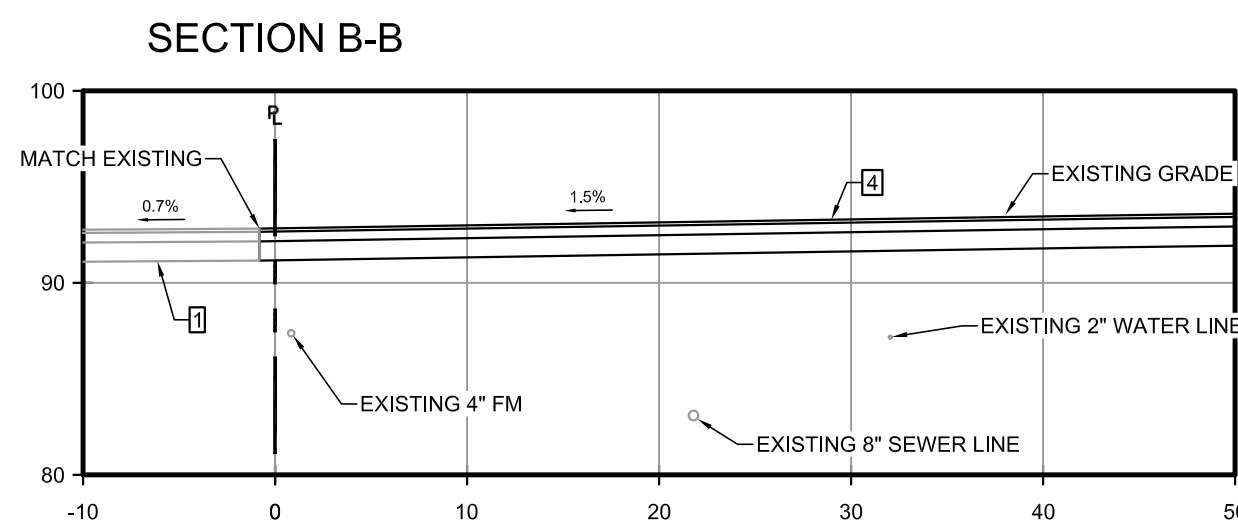
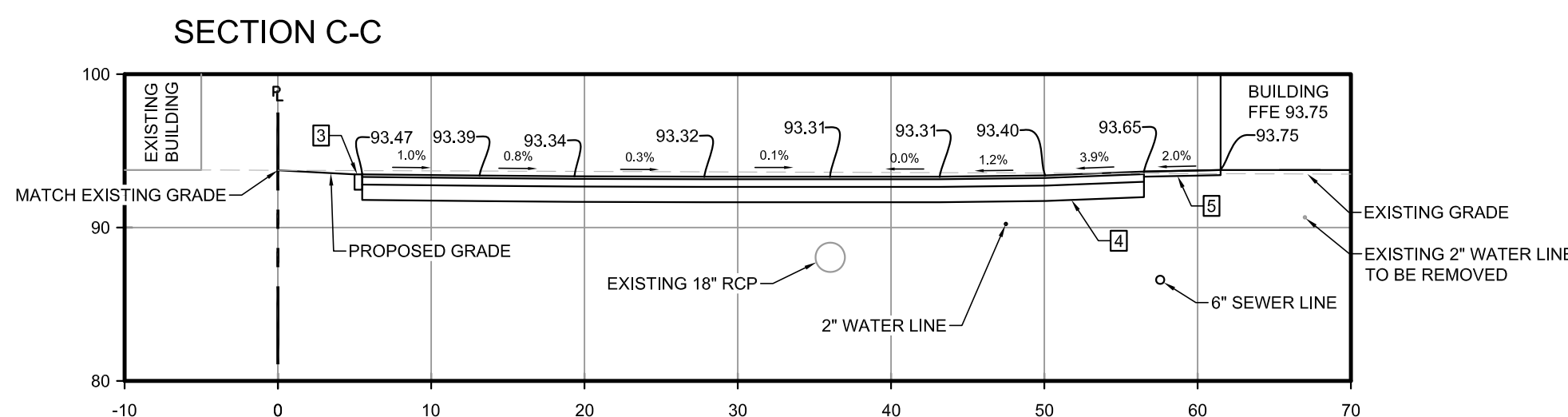
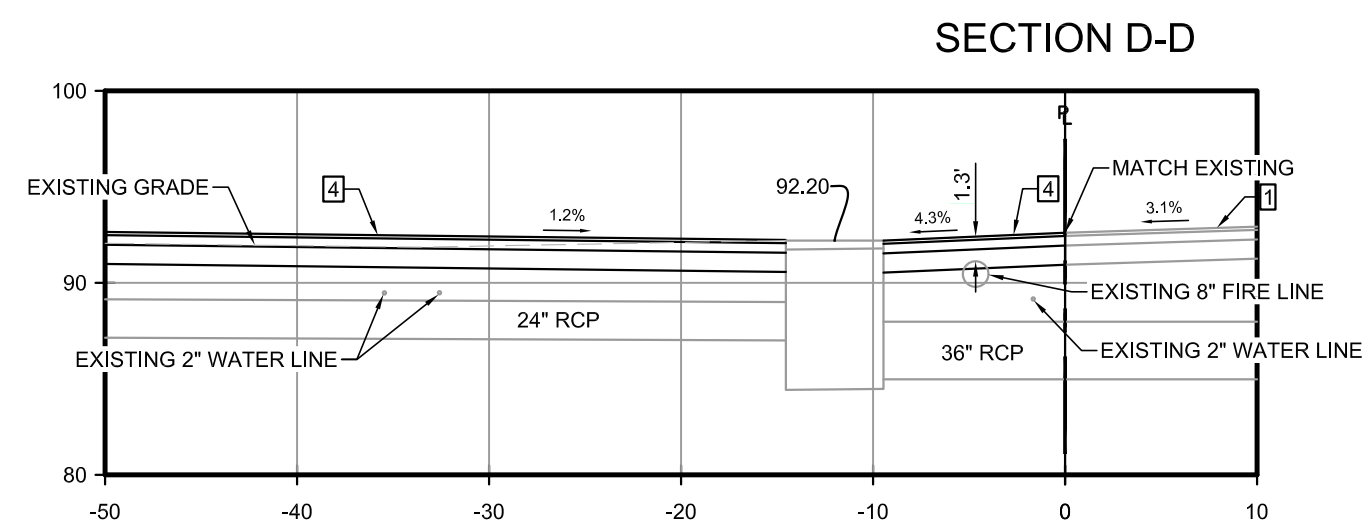
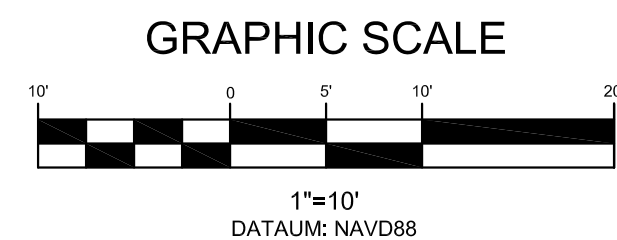
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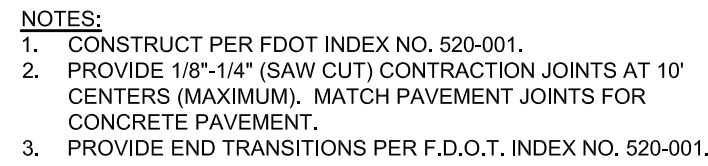
PROVIDENCE PHASE 2
 193 RONALD REAGAN PKWY
 POLK COUNTY, FLORIDA

DATE	09/16/2
SCALE	1"=10'
DRAWN-BY	CMF
PROJECT NUMBER: 069-006	
C-5.0	
SHEET NO.	



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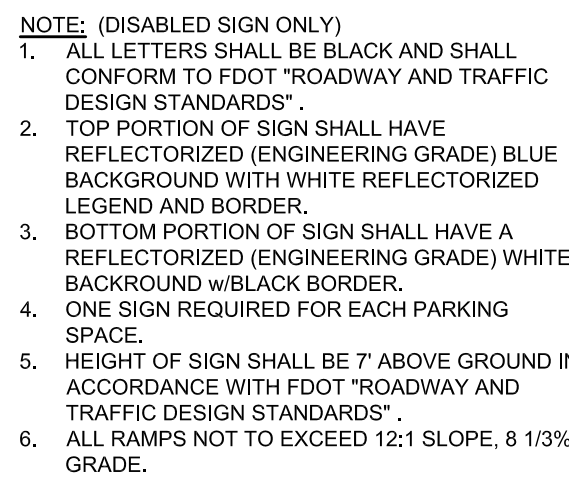




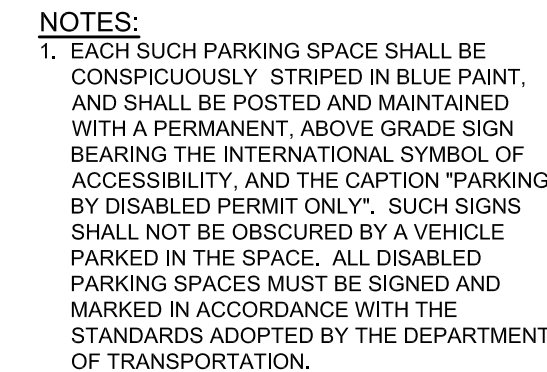
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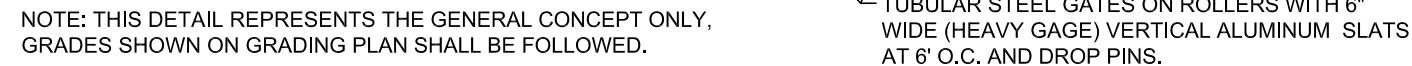


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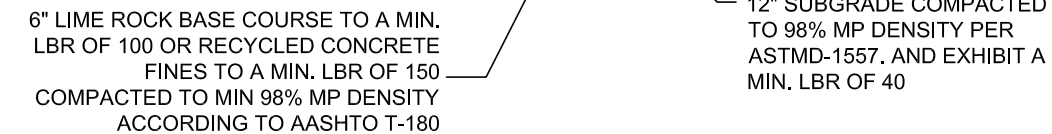
1. PUBLIC SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY TO PROVIDE ACCESS TO PEDESTRIAN FACILITIES, ELEMENTS AND FACILITIES IN THE PUBLIC RIGHT OF WAY AND TO ACCESSIBLE PEDESTRIAN TRANSPORTATION. CURB RAMPS AND SIDEWALK RAMPS SHALL BE CONSTRUCTED AT ALL SIDEWALKS AREAS TO HAVE CURB RAMPS CONSTRUCTED AT ALL STREET INTERSECTIONS AND AT TURNS THAT HAVE CURB CUTBACKS. PARTIAL CURB RETURNS SHALL EXTEND TO THE LIMIT PRESCRIBED BY FDOT INDEX NO. 515 TO ACCOMMODATE CURB RAMPS. RAMPS CONSTRUCTED AT LOCATIONS WITHOUT SIDEWALKS SHALL BE CONSTRUCTED AT A MINIMUM OF 6' X 2' X 2'.
2. THE LOCATION OF CURB RAMPS SHALL BE AS SHOWN IN THE PLANS, BUT SHALL CONFORM TO THESE STANDARD DETAILS. ALL RAMPS, LANDINGS AND CURBS SHALL BE CONSTRUCTED WITH MINIMUM 3000 PSI, CURE PROTECTANT, AND FINISH TO BE CONSTRUCTED AT THE SAME FINISH AS THE ADJACENT SIDEWALK AREAS SHALL HAVE A MEDIUM BROOM FINISH AND STANDARD COLOR, UNLESS SPECIFICALLY REQUIRED BY THE PLANS.
3. CURB RAMP RUNNING SLOPES AT UNRESTRAINED SITES SHALL NOT BE STEEPER THAN 1: 12 AND CROSS SLOPES SHALL NOT BE STEEPER THAN 2%. TRANSITION SLOPES SHALL NOT BE STEEPER THAN 1: 12, WHEN ALTERING EXISTING PEDESTRIAN FACILITIES WHERE EXISTING SITE DEVELOPMENT PRECLUDES THE ACCOMMODATION OF A RAMP SLOPE OF 1: 12, A RUNNING SLOPE BETWEEN 1: 12 AND 1: 10 IS PERMITTED BETWEEN 4' AND 6' MAXIMUM. TRANSITION SLOPES BETWEEN 1: 12 AND 1: 10 SHALL BE LIMITED TO A RISE OF 3" MAXIMUM, WHERE COMPLIANCE WITH THE REQUIREMENTS FOR CROSS SLOPE SHALL NOT BE FULLY MET, THE MINIMUM FEASIBLE CROSS SLOPE SHALL BE PROVIDED.
4. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN THE WALK SHALL BE CONSTRUCTED WITH TRANSITION SLOPES OF 1: 12 AND A 2% CROSS-SLOPE. CURB RAMPS WITH CURB RETURNS MAY BE USED TO PROVIDE GUIDANCE, AVOID AN OBSTACLE, OR WHEN R/W LIMITATIONS PROHIBIT FLARES, IMPROVEMENTS FOR DIRECTIONAL GUIDANCE ARE REQUIRED WHENEVER NECESSARY TO GUIDE OR RE-DIRECT THE PEDESTRIAN TOWARDS THE RECEIVING RAMP.
5. CURB RAMPS SHALL BE CONSTRUCTED WITH A MINIMUM OF 2' WALK AND A MINIMUM FULL WIDTH OF THE RAMP AND 24" FROM THE BACK OF CURB IN THE DIRECTION OF TRAVEL. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH U.S. ACCESSIBILITY GUIDELINES, SECTION 4.03.2.1. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED WITH THE DETECTABLE WARNING, DOME PATTERN SHALL BE IN-LINE WITH DIRECTION OF TRAVEL. USE ARMOR LITE CAST-IN PLACE DETECTABLE WARNING TILES, OR APPROVED EQUAL.
6. CURB RAMPS SHALL BE CONSTRUCTED WITH A DETECTABLE WARNING SURFACE TO PROVIDE A DARK-ON-LIGHT VISUAL CONTRAST BETWEEN THE DETECTABLE WARNING SURFACE AND THE ADJACENT WALKING SURFACE. WHERE ADJACENT WALKING SURFACES ARE DARK COLORED AND/OR CONSTRUCTED WITH MATERIALS WITH A HIGH STANDARD FINISH, THE CONTRACTOR SHALL PROVIDE A DETECTABLE WARNING SURFACE WITH THE STANDARD SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE A DETECTABLE WARNING SURFACE COLOR THAT PROVIDES THE NECESSARY CONTRAST, WITH THE ADJACENT CONCRETE. THE STANDARD COLOR IS DARK RED BRICK COLORED DETECTABLE WARNING TILE WITH STANDARD CONCRETE UNLESS OTHERWISE NOTED.
7. WHERE A CURB RAMP IS CONSTRUCTED WITHIN EXISTING CURB, CURB AND GUTTER OR SIDEWALK, THE EXISTING CONCRETE SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE SO THAT NO REMAINING SECTION OF CONCRETE IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE, IF THE RAMP MUST EXTEND INTO THE SIDEWALK.
8. EXPANSION JOINTS SHALL BE PLACED AT ALL PERIMETER EDGES ABUTTING CONCRETE, BUT NO JOINTS SHALL BE PLACED WITHIN THE TRANSITION SLOPE.
9. PUBLIC SIDEWALK CURB RAMPS ARE TO BE PAID FOR AS FOLLOWS: RAMPS, LANDINGS, CURB TRANSITIONS, FLARES, RAMP AND SIDEWALK CURBS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CONCRETE CURB RAMPS, 6" THICK, RECONSTRUCTED CURBS BEYOND THE RAMP ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CONCRETE CURBS, 6" THICK, RECONSTRUCTED CURBS WITHIN THE RAMP ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CONCRETE CURBS, 6" THICK, RECONSTRUCTED CURBS WITHIN THE RAMP. THE REMOVAL AND DISPOSAL OF EXISTING CURB, CURB AND GUTTER, AND/OR SIDEWALK IS NOT PROVIDED IN THE BID FORM. THE COST OF REMOVAL AND DISPOSAL SHALL BE INCLUDED UNDER DEMOLITION, CLEARING AND GRUBBING IN THE CONTRACT UNIT PRICE FOR NEW CURB, CURB AND GUTTER OR SIDEWALK, RESPECTIVELY.
10. IF CURBS ARE NOT PRESENT ON BOTH SIDES OF THE WALKWAY, THEN THE CONCRETE IS NOT CONSIDERED A CURB RAMP AND IS THEREFORE MAY BE PAID FOR AS 6" CONCRETE SIDEWALK OR DRIVEWAY.
11. DROP AND TRANSITION CURB MAY BE FORMED AT THE TIME OF CURB CONSTRUCTION OR MAY BE MONOLITHIC WITH THE RAMP, BUT IS INCLUDED WITH THE PAY ITEM FOR THE RAMP.
12. TWO RAMP DESIGN MAY BE REQUIRED AT CERTAIN LARGE RADII, SIGNALIZED, OFFSET OR ANGLED INTERSECTIONS, FLARES AND CURB TRANSITIONS MAY BE REPLACED WITH RAMP CURBS IF SITE CONDITIONS WARRANT.



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The logo for Sunshine 811, featuring the word "Sunshine" in a bold, black, sans-serif font above the number "811" in a large, bold, yellow font with a black outline. Below the number is a stylized graphic of a shovel with a green handle and a silver blade, set against a brown background.

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PAVING DETAILS

PROVIDENCE RETAIL
193 RONALD REAGAN PKWY
POLK COUNTY, FLORIDA

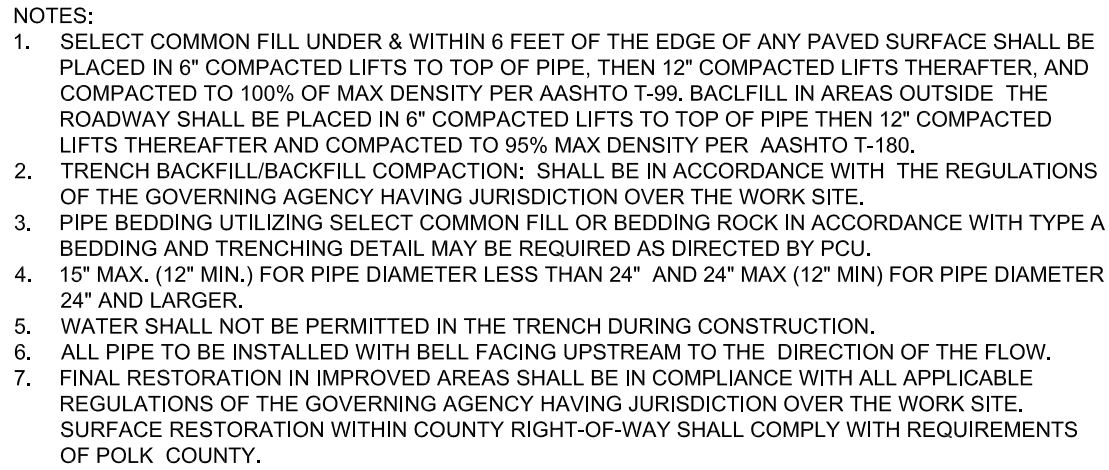
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SCALE	NTS
DRAWN-BY	CMF
PROJECT NUMBER: 069-006	
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SHEET NO.	



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DATE	09/16/24
SCALE	NTS
DRAWN-BY	CMF
PROJECT NUMBER: 069-006	
C-7.0	
SHEET NO.	



PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS								ACCEPTABLE VARIANCES
	POTABLE WATER (PW)		RECLAIMED WATER (RW)		SAN SEWER (SS) GRAVITY & FM)		STORM SEWER		
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	
POTABLE WATER	3'	12"	3'	12"	6'	12"	3'	12"	REFER TO GENERAL NOTE #4
RECLAIMED WATER	3'	12"	3'	12"	3'	12"	3'	12"	
SANITARY SEWER	6'	12"	3'	12"	3'	12"	3'	12"	

GENERAL NOTES:

1. HORIZONTAL AND VERTICAL SEPARATION SHALL BE IN ACCORDANCE WITH C.D. 62-555.314 F.A.C., WHICH PROVIDES THAT THE PURPOSE OF THIS TABLE IS RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS RECLAIMED WATER AS DEFINED BY F.A.C. 62-610. RAW WATER AND OTHER TYPES OF RECLAIMED WATER SHALL BE CONSIDERED RAW SEWAGE AND SEPARATION LISTED FOR SANITARY SEWAGE SHALL APPLY.
2. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
3. ACCEPTABLE VARIANCES:
 - A. WHERE SEWILUTION SEPARATION IS NOT ATTAINABLE FOR NEW INSTALLATIONS OF PW AND SS, THE PIPES WILL BE INSTALLED IN SEPARATION TRENCHES AND THE BOTTOM OF THE PW MAIN WILL BE 12" HIGHER THAN THE TOP OF THE SS.
 - B. WHERE HORIZONTAL SEPARATION IS NOT ATTAINABLE FOR NEW SS AND A NEW OR EXISTING PW MAIN, THE SS WILL BE UPGRADED TO A DR OF 18.
4. WHERE INSTALLATION OF A NEW PW MAIN IS IN CONFLICT WITH EXISTING SS, THE FOLLOWING SHALL APPLY:
 1. VERTICAL CONFLICT: DEFLECT NEW PW MAIN 12" ABOVE THE EXISTING SS WITH SUFFICIENT COVER FOR THE PW OR 12" BELOW THE EXISTING SS, WHERE DEFLECTION IS NOT POSSIBLE OR DRAINAGE OF THE MAIN IS IMPAIRED, THE SS SHALL BE UPGRADED TO A DR OF 18.
5. HORIZONTAL CONFLICT: PW MAIN SHALL BE INSTALLED 18" HIGHER THAN THE EXISTING SS WITH SUFFICIENT COVER OR THE PW WILL BE DIP.
6. SEPARATION REQUIREMENTS BETWEEN PW AND STORM SEWER ARE THE SAME AS WITH PW AND SS. SPECIAL SUPPORT MAY BE REQUIRED.
7. WHERE VERTICAL AND HORIZONTAL SEPARATIONS ARE NOT ATTAINABLE FOR PW AND FM, THE FOLLOWING SHALL BE MAINTAINED:
 1. FM UPGRADED TO 14" (12" DIA AND UNDER) AND 18" (14" DIA AND OVER); WHERE FM IS EXISTING, PW SHALL BE UPGRADED TO DIP.
8. STAGGER THE LOCATION OF JOINTS FOR EACH PIPE.
9. NO POTABLE WATER MAIN SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.

1. SELECT COMMON FILL UNDER & WITHIN 6 FEET OF THE EDGE OF ANY PAVED SURFACE SHALL BE PLACED IN 6" COMPACTED LIFTS & TOP OF PIPE, THEN 12" COMPACTED LIFTS THEREAFTER, AND COMPACTED TO 100% OF MAX DENSITY PER AASHTO T-99. BACKFILL IN AREAS OUTSIDE THE ROADWAY SHALL BE PLACED IN 6" COMPACTED LIFTS TO TOP OF PIPE THEN 12" COMPACTED LIFTS THEREAFTER AND COMPACTED TO 95% MAX DENSITY PER AASHTO T-160.
2. TRENCH BACKFILL/BACKFILL COMPACTION SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF THE GOVERNING AGENCY HAVING JURISDICTION OVER THE WORK SITE.
3. TYPE A BEDDING MATERIAL SHALL CONFORM TO FDOT NO. 57 AGGREGATE.
4. 15" MAX (12" MIN) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (18" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER UP TO 12" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. PCU SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.
9. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCY HAVING JURISDICTION OVER THE WORK SITE. SURFACE RESTORATION WITHIN COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF POLK COUNTY.

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)												
TYPE	D.I.P. PIPE SIZE											
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
90° BEND OR BRANCH OF TEE	20	29	37	44	51	65	77	89	105	120	132	144
45° BEND	8	12	15	18	21	27	32	37	44	50	55	60
22-1/2° BEND	4	6	7	9	10	13	15	18	21	24	27	29
1 1/4" BEND	2	3	4	5	6	7	8	9	10	12	13	15
PLUG OR CAP	48	58	77	93	108	138	166	194	231	275	328	391
POINT OF CONNECTION WITH HDPE PIPE	40	40	40	40	40	40	40	40	60	60	60	60

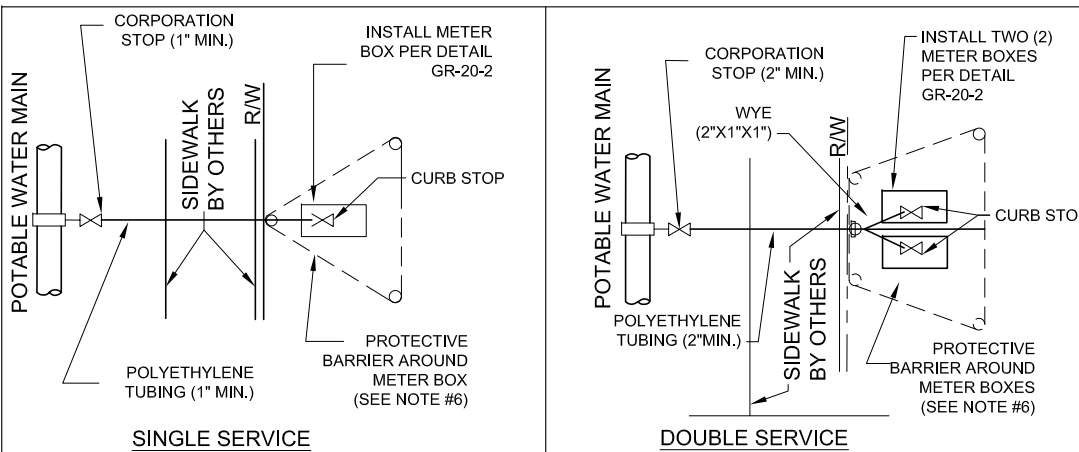
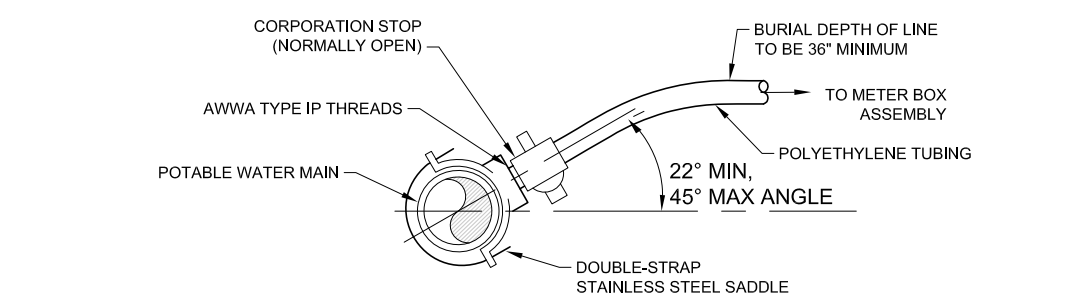
MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)												
TYPE	PVC OR HDPE PIPE SIZE											
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
90° BEND OR BRANCH OF TEE	25	37	47	55	64	82	97	112	132	156	172	188
45° BEND	10	15	19	23	27	34	40	47	55	65	72	78
22-1/2° BEND	5	8	9	12	13	17	19	23	27	32	35	38
1 1/4" BEND	3	4	5	7	8	9	10	12	13	16	17	19
PLUG OR CAP	53	74	97	117	135	173	208	243	289	344	410	488
POINT OF CONNECTION WITH HDPE PIPE	40	40	40	40	40	40	40	60	80	80	80	80

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. ALL LINE VALVES AND THROUGH RUN OF TEES SHALL HAVE MJ RESTRAINTS.
5. LENGTH OF LINE VALVE AND THROUGH RUN OF TEES SHALL BE DETERMINED BY THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS: WORKING PRESSURE: 150 PSI SOIL DESIGNATION: SM
6. LAYING OF PIPE SHALL BE IN ACCORDANCE WITH THE DIPRA PIPING GUIDE.
7. THE ENGINEER SHALL VERIFY THESE MINIMUM DESIGN ASSUMPTIONS AND INCREASE LENGTHS WITH THE APPROVAL OF PCU
8. IF PIPE IS WRAPPED WITH OR ENCASED IN POLYETHYLENE SHALL BE RESTRAINED SIMILAR TO PVC PIPE.

GENERAL NOTES:

1. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS AND RECLAIMED WATER MAINS. MAIN LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.
2. THE PCU BASE-1 DISPATCH OPERATOR (863-534-7315) SHALL BE NOTIFIED BY THE CONTRACTOR FOR PIPE EMERGENCIES.
3. MAKE TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE: FLUSH OUT NEW WATER MAIN WITH POTABLE WATER (USE "JUMPER" ASSEMBLY WITH A CROSS CONNECTION CONTROL ASSEMBLY TO MAKE TEMPORARY CONNECTIONS TO AN EXISTING WATER SOURCE).
4. ALL EXISTING WATER, FORCE, GRAVITY AND RECLAIMED WATER MAINS AND OTHER FACILITIES WITHIN THE LIMITS OF THE PROJECT SHALL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.
5. ALL EXISTING AND NEW PCU VALVES, VALVE BOXES, ARVS, FIRE HYDRANTS AND MANHOLES SHALL BE PROTECTED AND ADJUSTED TO FINISHED GRADE AS SHOWN ON THE DRAWINGS. ALL EXISTING ABOVE GROUND VALVES SHALL BE RELOCATED, AS REQUIRED.
6. PCU SHALL BE NOTIFIED AT LEAST FIVE (5) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF ITS FACILITIES.
7. THE CONTRACTOR SHALL IMMEDIATELY CONTACT PCU AND REPAIR ALL DAMAGES TO PCU'S MAINS AND FACILITIES AT THE CONTRACTOR'S EXPENSE. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY PCU, PCU MAY PERFORM REQUIRED REPAIRS AND CLEANUP. THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR.
8. ONLY PCU STAFF SHALL OPERATE WATER, WASTEWATER, AND RECLAIMED WATER VALVES. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH THE PCU INSPECTOR.
9. THE CONTRACTOR SHALL COORDINATE ALL LIFT STATION OPERATION AND SHUT DOWN CONTROL WITH THE PCU INSPECTOR. THE CONTRACTOR SHALL PROVIDE FOR BYPASSING AND/OR HAULING OF WASTEWATER DURING THE INTERRUPTION OF FLOWS AND CONNECTIONS WITH EXISTING WASTEWATER SYSTEMS.
10. ALL NEW VALVES BEING INSTALLED SHALL REMAIN CLOSED DURING CONSTRUCTION. KEEP VALVES ON ALL WET TAPS CLOSED UNTIL CLEARED BY FDEP/FDCH.
11. THE UTILITIES AND ADJUSTMENTS SHOWN ON THESE PLANS ARE INTENDED TO MAINTAIN THE INTEGRITY OF THE WATER MAINS AND RECLAIMED WATER SYSTEMS. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UTILITIES STANDARDS AND SPECIFICATIONS MANUAL. THE PLANS DO NOT INCLUDE WORK PERFORMED ON OR FOR UTILITY SYSTEMS OWNED BY OTHERS, UNLESS STATED OTHERWISE ON THE PLANS.
12. DO NOT OPEN ANY VALVES THAT DIRECTLY CONNECTS ANY PROPOSED WATER MAINS TO ANY EXISTING MAINS UNLESS CLEARED BY BOTH FDEP/FDCH & PCU.
13. DURABLE COLORED PLASTIC CURB MARKERS, AS SPECIFIED WITHIN THE APPROPRIATE APPROVED MATERIALS CHECKLIST AND THE APPROPRIATE SECTIONS OF THE MANUAL, SHALL BE SECURELY ATTACHED 6 INCHES FROM THE TOP OF CURB, OR 6 INCHES FROM THE EDGE OF ANY CURBERG CHANGING IS NOT PRESENT. IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS SO THAT ALL SERVICES AND VALVES ARE ACCURATELY LOCATED.



NOTES:

1. DRAWING NOT TO SCALE.
2. METER BOXES FURNISHED BY CONTRACTOR IN ACCORDANCE WITH FIGURE GR-20-2.
3. SEPARATION BETWEEN CURB AND METER BOX AND METER BOX AND SIDEWALK SHALL BE 12 INCHES MINIMUM WITH A 18 INCHES MAXIMUM.
4. TO THE CURB SHALL BE 24" MINIMUM TO THE STAKE (2" X 2" AT 24" ABOVE GROUND) TOP PAINTED WITH THE COLOR OF THE UTILITY SERVICE AND WITH THE LOG NUMBERS IT SERVES.
5. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT CONNECTIONS.
6. POTABLE BARS SHALL BE 1/2" F.W.D. 6" POLY W/ WITH ORANGE PLASTIC STRAPPING WARNING FENCE.
7. TUBING SHALL BE BLUE FOR POTABLE WATER AND PURPLE PANTONE 522C FOR RECLAIMED WATER IN COLOR.
8. CONTRACTOR TO INSTALL SERVICE LINE, METER BOX, AND TERMINATE LINE IN CURB WITH CURB STOP EQUIPPED WITH THERM PLASTIC PLUG END.
9. METER BOXES AS DESCRIBED SHALL NOT BE INSTALLED IN DRIVEWAY OR SIDEWALK.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
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