

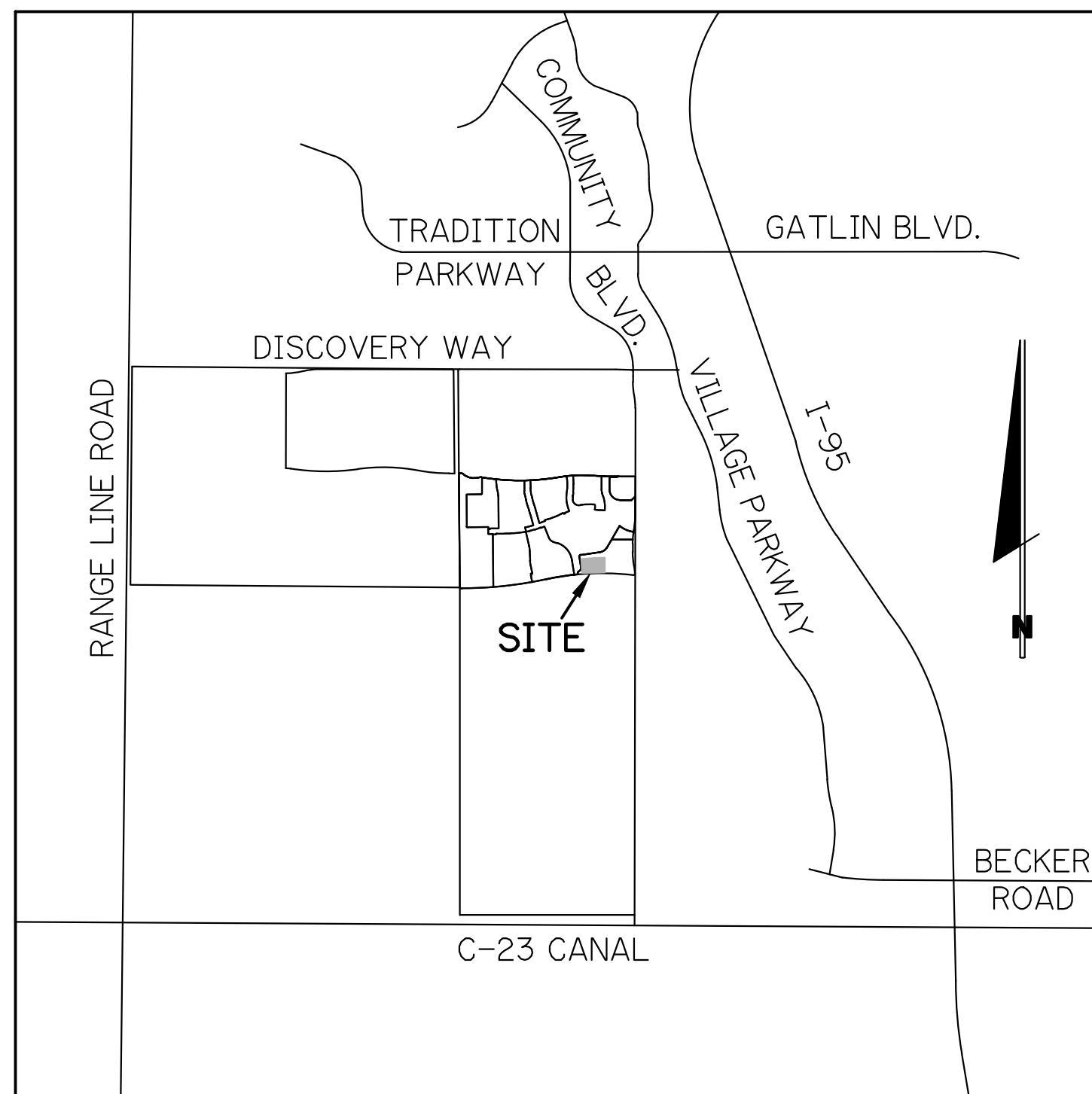
LAND DEVELOPMENT IMPROVEMENTS
FOR
RIVERLAND OFFICE COMPOUND
AT RIVERLAND CENTER
CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA

LAST REVISED:
RIV-B OC

DEVELOPER: RIVERLAND/KENNEDY II, LLC
1600 SAWGRASS CORPORATE PARKWAY, SUITE 400
SUNRISE, FLORIDA 33323
(954) 753-1730

LEGAL DESCRIPTION:
LEGAL DESCRIPTION OF TRACTS THAT ENCOMPASS THE
AFFECTED AREA:

RIVERLAND CENTER - TRACT 5 ACCORDING TO THE PLAT
THEREOF, AS RECORDED IN PLAT BOOK XXX, PAGE XX OF
THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA



LOCATION MAP
N.T.S.
SEC. 21 TWP. 37 S RGE. 39 E

PREPARED BY:
GLH ENGINEERING, LLC
1600 SAWGRASS CORPORATE
PARKWAY, SUITE 400
SUNRISE, FLORIDA 33323
PHONE: (954) 753-1730
FL CERTIFICATE OF AUTHORIZATION NO. 27459

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	COVER SHEET
2	PAVING, GRADING AND DRAINAGE PLANS
3-6	PAVING, GRADING AND DRAINAGE DETAILS
7	WATER AND SEWER PLANS

GOVERNING SPECIFICATIONS:
PSLUSD STANDARDS AND DETAILS EFFECTIVE 2019 WILL
BE PROVIDED ON-SITE FOR THE CONTRACTOR'S USE SINCE
THE DETAILS ARE NOT PROVIDED IN THIS PLAN SET.

CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT
ENGINEERING STANDARDS FOR LAND DEVELOPMENT (MOST
CURRENT EDITION). AS AMENDED BY CONTRACT
DOCUMENTS.

GOVERNING DESIGN STANDARDS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24
STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION AND
APPLICABLE INTERIM REVISIONS (IRs).
STANDARD PLANS FOR ROAD CONSTRUCTION AND
ASSOCIATED IRs ARE AVAILABLE AT THE FOLLOWING
WEBSITE:
[HTTP://WWW.FDOT.GOV/DESIGN/STANDARDPLANS](http://www.fdot.gov/design/standardplans)

GOVERNING STANDARD SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AT THE FOLLOWING WEBSITE:
[HTTP://WWW.DOT.STATE.FL.US/PROGRAMMANAGEMENT/
IMPLEMENTED/SPECBOOKS](http://www.dot.state.fl.us/programmanagement/implemented/specbooks)

NOTE: ALL GRADES SHOWN ARE IN NAVD88

				DATE
				REVISION NO.

BRIAN ARNOLD, P.E. FLORIDA P.E. #81294	
RIV-B OC	OC
SHEET 1 OF 7	

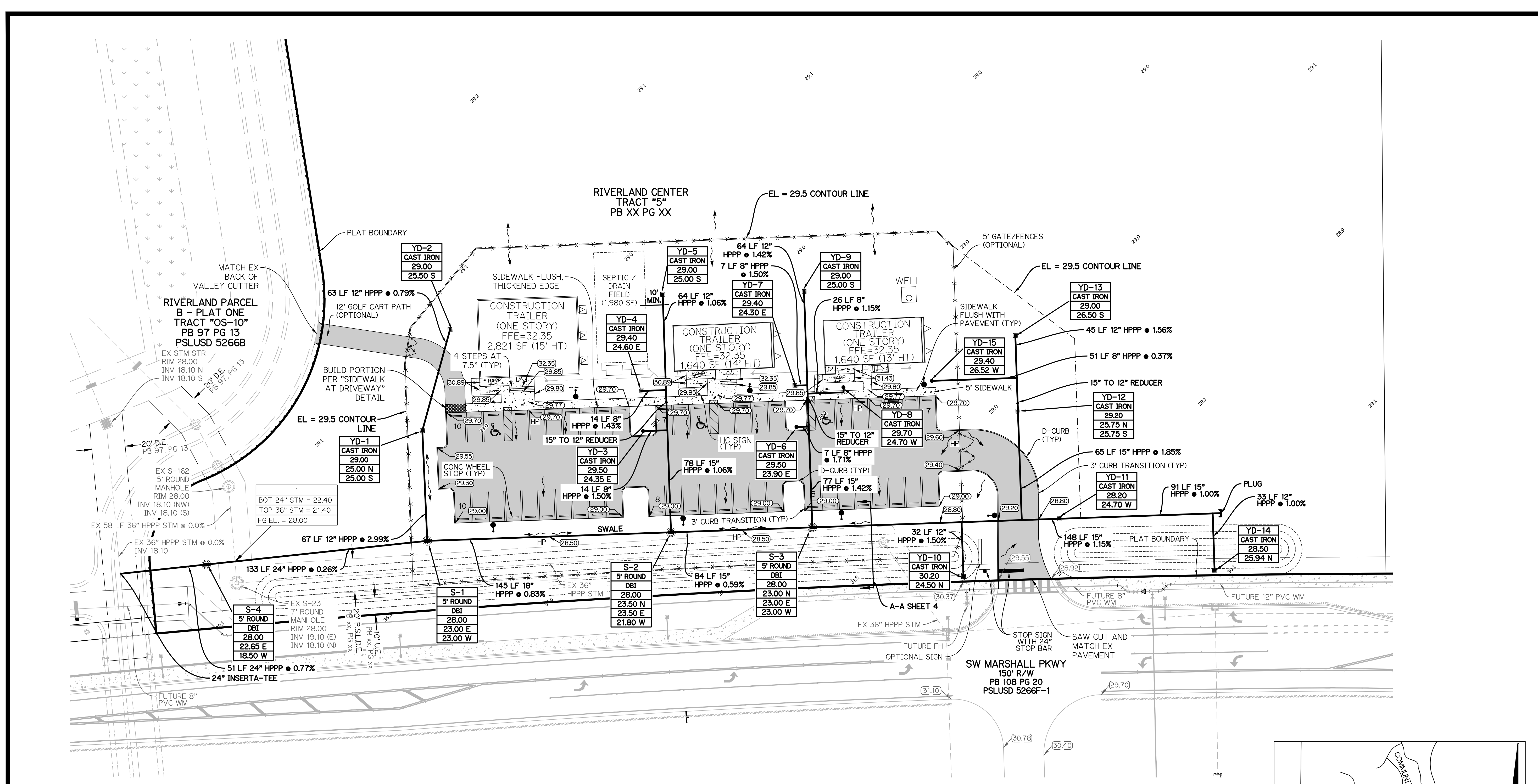
PAVING, GRADING AND DRAINAGE PLAN
FOR
RIV OFFICE COMPOUND
AT RIVERLAND CENTER

REVISIONS	DATE	BY	CK

GLH ENGINEERING, LLC
1600 SAWGRASS CORPORATE
PARKWAY, SUITE 400
SUNRISE, FLORIDA 33323
PHONE: (954) 753-1730

SCALE: 1"=30'
DATE: 9/7/23
DESIGNED BY: BA
CHECKED BY: MW
FILE NAME:
RIV-B OC 8 PD

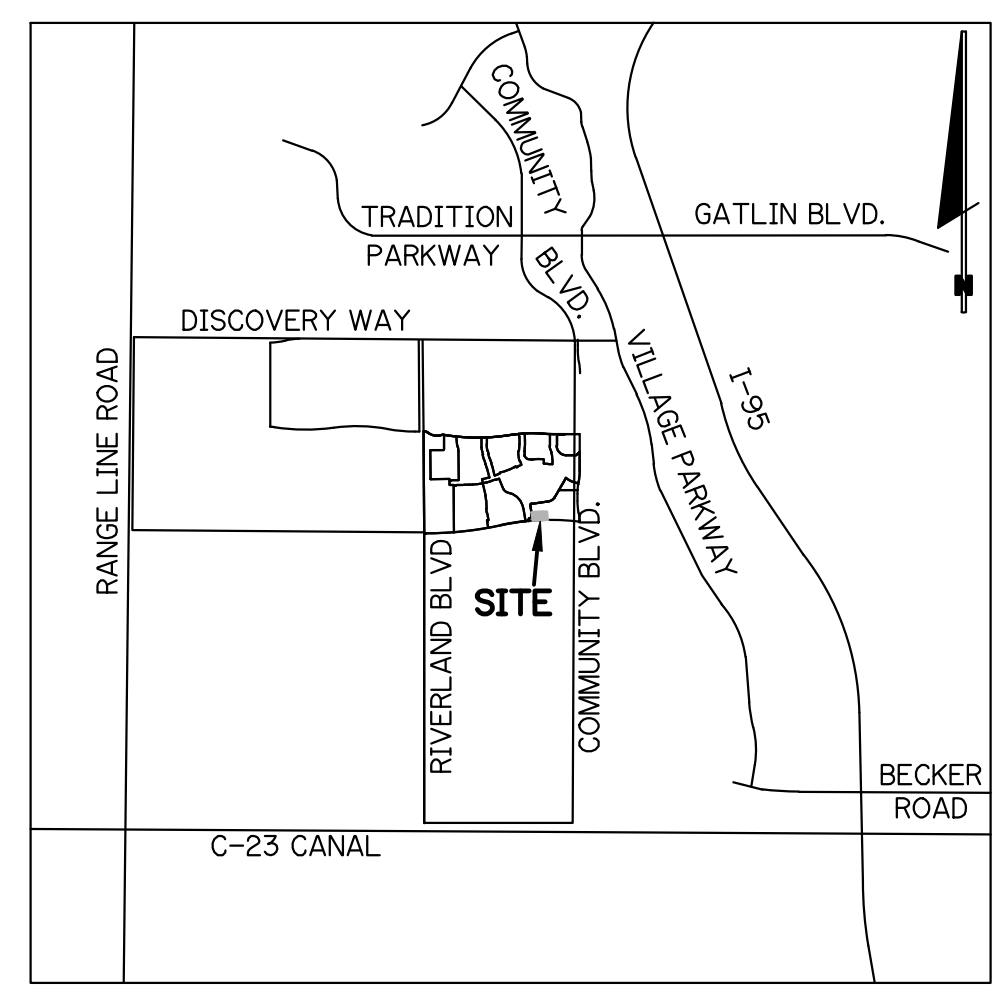
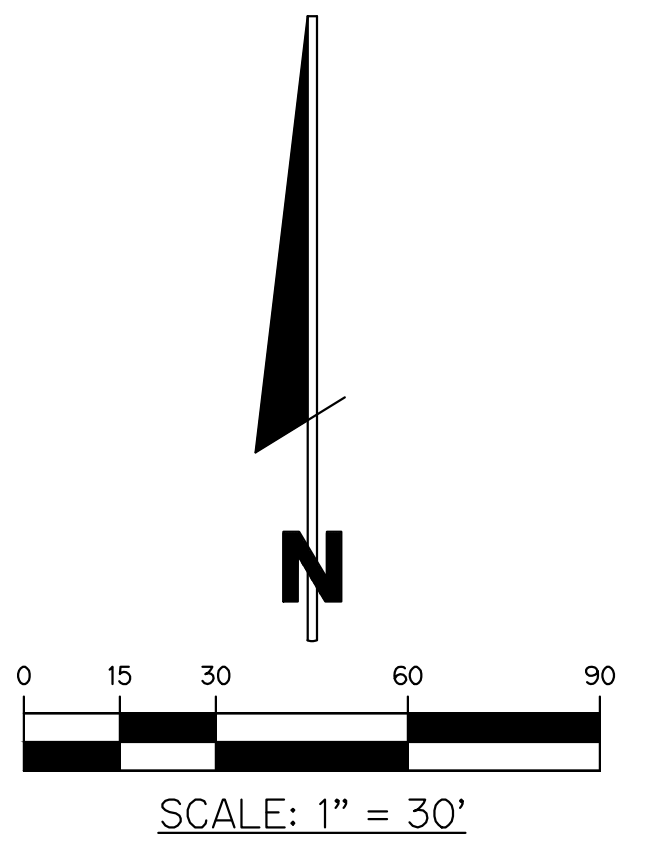
BRIAN ARNOLD, P.E.
FLORIDA P.E. #81294
RIV-B OC PD
SHEET 2 OF 7



- NOTES:**
- MINIMUM FINISH FLOOR ELEVATION FOR ANY STRUCTURE SHALL BE ELEVATION 29.30' NAVD88, WHICH IS ABOVE THE 100-YEAR, 3-DAY STORM STAGE ELEVATION.
 - MINIMUM PERIMETER ELEVATION SHALL BE ELEVATION 28.5' NAVD88, WHICH IS ABOVE THE 25-YEAR, 3-DAY STORM STAGE ELEVATION.
 - MINIMUM ROAD CROWN ELEVATION SHALL BE ELEVATION 27.30' NAVD88, WHICH IS ABOVE THE 10-YEAR, 1-DAY STORM STAGE ELEVATION.
 - ALL ELEVATIONS SHOWN ON THESE PLANS ARE IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT ELEVATIONS TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), ADD 1.475 FEET TO THE NAVD88 ELEVATION. FOR EXAMPLE, NAVD88 + 1.475' = NGVD29.
 - DETECTABLE WARNING SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF F.D.O.T. DESIGN STANDARDS INDEX 304 AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 527 (CURRENT EDITIONS).
 - AS AN ALTERNATE TO ADVANCED DRAINAGE SYSTEMS, INC. HPPP DRAINAGE, RCP STORM PIPE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL FROM THE CITY OF PORT ST. LUCIE AND GLH ENGINEERING, LLC.
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FORM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
 - DRAINAGE PATTERN - TEMPORARY PARKING LOT AND AREAS AROUND OFFICE SHALL FOLLOW A SHEET FLOW DRAINAGE PATTERN ONTO EXISTING LAND AND FARM DITCHES.
 - ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY, STATE OR FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED PRIOR TO INITIATING THE WORK.
 - THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770), 48 HOURS BEFORE DIGGING FOR FIELD LOCATIONS OF UNDERGROUND UTILITIES.
 - UTILITIES - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION OF ANY DEVIATION FROM WHAT IS SHOWN ON THE PLAN.
 - GUARANTY - ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, INSTALLATION AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART FOR THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTY PERIOD, THE AFFECTED PART, PARTS OR MATERIALS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
 - MATERIAL STORAGE (OPTIONAL) - IF BUILT, FENCING & CURBING SHALL BE ADJUSTED TO ACCOMMODATE.
 - GOLF CART PATH (OPTIONAL) - IF BUILT, THE ONE PARKING SPACE AT THE CONNECTION POINT SHALL BE OMITTED WITH DIAGONAL "GORE" STRIPING ADDED.

LEGEND

<table border="1"> <tr><th>STR #</th></tr> <tr><th>TYPE</th></tr> <tr><th>GRATE</th></tr> <tr><th>RIM EL.</th></tr> <tr><th>INV EL.</th></tr> </table>	STR #	TYPE	GRATE	RIM EL.	INV EL.	<table border="0"> <tr><td>—</td><td>SIGN</td></tr> <tr><td>→</td><td>DIRECTION OF FLOW ARROW</td></tr> <tr><td>▭</td><td>PAVEMENT</td></tr> <tr><td>▭</td><td>STABILIZED ROCK BASE</td></tr> <tr><td>▭</td><td>SIDEWALK (PAVER BRICKS OPTIONAL)</td></tr> <tr><td>▭</td><td>ADA MATS (CHARCOAL GREY)</td></tr> <tr><td>▭</td><td>STREET LIGHT (OPTIONAL)</td></tr> <tr><td>○</td><td>DITCH BOTTOM INLET</td></tr> <tr><td>●</td><td>HIGH POINT</td></tr> <tr><td>○</td><td>HIGH PERFORMANCE POLYPROPYLENE</td></tr> <tr><td>○</td><td>YARD DRAIN</td></tr> </table>	—	SIGN	→	DIRECTION OF FLOW ARROW	▭	PAVEMENT	▭	STABILIZED ROCK BASE	▭	SIDEWALK (PAVER BRICKS OPTIONAL)	▭	ADA MATS (CHARCOAL GREY)	▭	STREET LIGHT (OPTIONAL)	○	DITCH BOTTOM INLET	●	HIGH POINT	○	HIGH PERFORMANCE POLYPROPYLENE	○	YARD DRAIN
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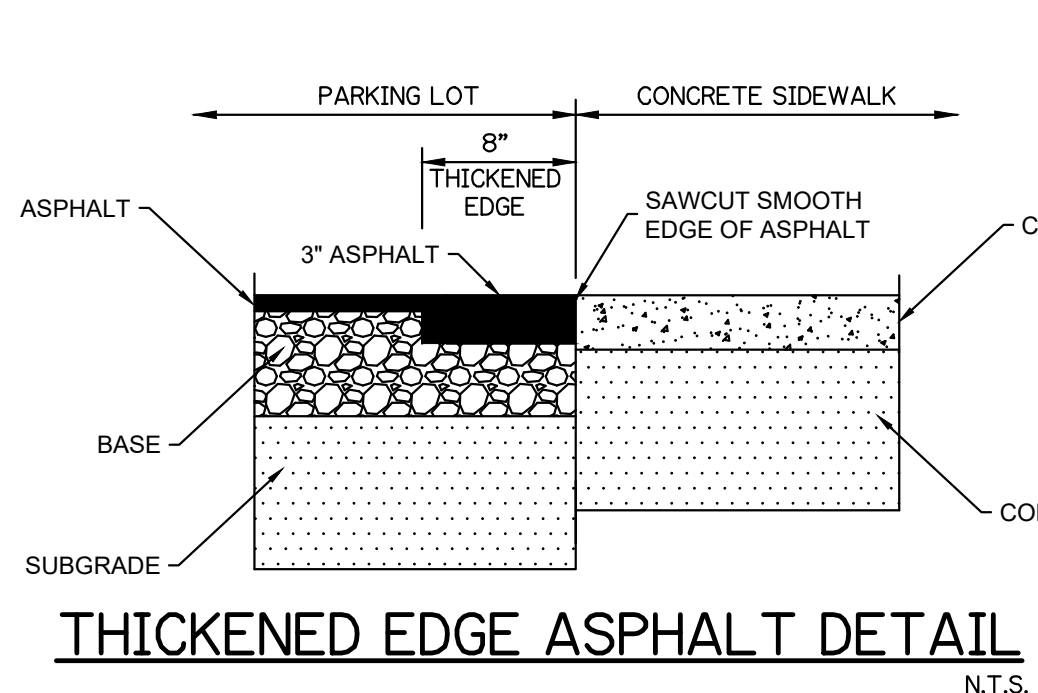
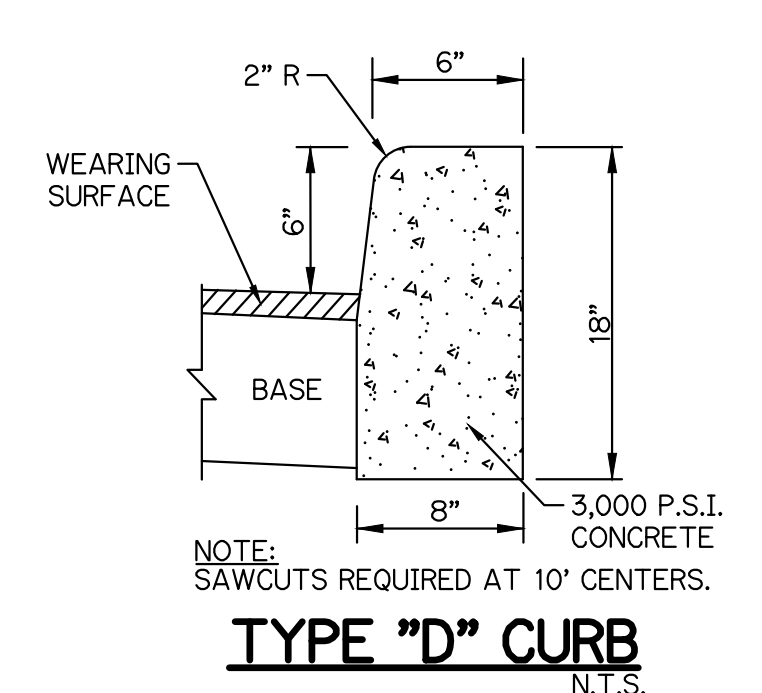


NOTE: ALL GRADES SHOWN ARE IN NAVD88
P23-099 (USD 5266K-1)

GENERAL NOTES

- MINIMUM FINISH FLOOR ELEVATION FOR ANY STRUCTURE SHALL BE ELEVATION 29.30' NAVD88, WHICH IS ABOVE THE 100-YEAR, 3-DAY STORM STAGE ELEVATION WITH ZERO DISCHARGE.
- MINIMUM PERIMETER ELEVATION SHALL BE ELEVATION 28.50' NAVD88, WHICH IS ABOVE THE 25-YEAR, 3-DAY STORM STAGE ELEVATION.
- MINIMUM ROAD CROWN ELEVATION SHALL BE ELEVATION 27.30' NAVD88, WHICH IS ABOVE THE 10-YEAR, 1-DAY STORM STAGE ELEVATION AND 2' ABOVE THE AVERAGE WET SEASON WATER TABLE.
- ALL ELEVATIONS SHOWN ON THESE PLANS ARE IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT ELEVATIONS TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), ADD 1.475 FEET TO THE NAVD88 ELEVATION. FOR EXAMPLE, NAVD88 + 1.475' = NGVD29.
- ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY, STATE OR FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED PRIOR TO INITIATING THE WORK.
- THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770), 48 HOURS BEFORE DIGGING FOR FIELD LOCATIONS OF UNDERGROUND UTILITIES.
- UTILITIES - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION OF ANY DEVIATION FROM WHAT IS SHOWN ON THE PLAN.
- AS-BUILTS - THE CONTRACTOR SHALL SUBMIT "AS-BUILT" INFORMATION OBTAINED BY A FLORIDA REGISTERED LAND SURVEYOR. INFORMATION SHALL BE IN A FORMAT SPECIFIED BY THE GOVERNING AGENCIES.
- GUARANTY - ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, INSTALLATION AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART FOR THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTY PERIOD, THE AFFECTED PART, PARTS OR MATERIALS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- SEQUENCE OF CONSTRUCTION - THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND THAT ARE BENEATH THE PAVEMENT, SHALL BE IN PLACE AND HAVE PROPER DENSITY PRIOR TO THE CONSTRUCTION AND COMPACTION OF THE SUBGRADE.
- CLEARING AND GRUBBING - WITHIN THE LIMITS OF CONSTRUCTION, ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED.
- GUMBO - WHERE GUMBO OR OTHER PLASTIC CLAYS ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE ROADWAY AND PARKING AREAS ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA.
- MUCK AND PEAT - IF MUCK AND/OR PEAT ARE ENCOUNTERED IN THE ROAD, PARKING OR BUILDING AREA, THEY SHALL BE REMOVED COMPLETELY TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT OR FOUNDATION AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL.
- SOD - WHERE SOD IS SHOWN, LOWER THE GROUND 2 INCHES BELOW THE FINISHED GRADE TO ALLOW FOR THE THICKNESS OF THE SOD.
- SUBGRADE - SHALL BE COMPACTED AS NOTED ON THE PLANS AND MEET THE DENSITY REQUIREMENTS AS DETERMINED BY THE A.A.S.H.T.O. T-180 SPECIFICATIONS. SUBGRADE SHALL BE 12" THICK AND EXTEND 12" BEYOND THE PROPOSED EDGE OF PAVEMENT AND/OR 6" BEYOND VALLEY GUTTER, TYPE "F" CURB & GUTTER OR TYPE "D" CURB. IF SUBGRADE IS REQUIRED TO BE STABILIZED, THE REQUIRED BEARING VALUE DETERMINATIONS SHALL BE MADE PER FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION. WHEN FILLING IS REQUIRED, SUBGRADE SHALL BE COMPACTED IN 6" LIFTS.
- BASE MATERIAL - APPROVED BASE MATERIAL, MINIMUM L.B.R. 100, SHALL BE COMPACTED TO NOT LESS THAN 98% MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180 SPECIFICATIONS AND MEET THE CRITERIA SET FORTH IN THE PLANS AND SPECIFICATIONS AND AS CALLED FOR IN BOTH FLORIDA D.O.T. INDEX 514 AND FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. CONTRACTOR SHALL NOTIFY BOTH THE OWNER AND OWNER'S GEOTECHNICAL ENGINEER A MINIMUM OF 48 HOURS PRIOR TO BASE MATERIAL DELIVERY TO THE PROJECT TO SCHEDULE MATERIAL TESTING. TEST RESULTS THAT DO NOT MEET THE SPECIFIED CRITERIA, SHALL CAUSE THE CONTRACTOR, AT HIS SOLE EXPENSE, TO REMOVE ANY AND ALL OF SAME MATERIAL THAT IS EITHER ALREADY PLACED IN ROADWAYS OR IN STOCKPILES AND NOT USE IT IN AREAS REQUIRING BASE MATERIAL. CONTRACTOR SHALL NOTIFY OWNER AND OWNER'S GEOTECHNICAL ENGINEER 48 HOURS PRIOR TO DELIVERY OF BASE MATERIAL THAT IS FROM A NEW SOURCE TO SCHEDULE MATERIAL TESTING. CONTRACTOR SHALL PROVIDE THE OWNER AND OWNER'S GEOTECHNICAL ENGINEER A SCHEMATIC INDICATING WHERE ON THE PROJECT THE CHANGE IN MATERIAL SOURCE HAS OCCURRED. AT MINIMUM, ALL BASE MATERIAL SHALL BE TESTED PRIOR TO THE START OF EACH NEW PHASE OF THE WORK AND AS THE OWNER OR OWNER'S GEOTECHNICAL ENGINEER DEEMS AS NECESSARY DURING FIELD INSPECTIONS TO ENSURE ALL BASE MATERIAL THROUGHOUT THE PROJECT MEETS ALL MINIMUM CRITERIA.
- PRIME COAT - BITUMINOUS PRIME COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD, UNLESS A DIFFERENT RATE IS DIRECTED BY THE ENGINEER. PRIME COAT IS TO BE APPLIED AT LEAST 24 HOURS PRIOR TO PLACEMENT OF PAVEMENT WITH AN ABSOLUTE MINIMUM APPLICATION LEAD TIME OF 12 HOURS PERMITTED ONLY WITH THE WRITTEN APPROVAL FROM THE ENGINEER.
- TACK COAT - BITUMINOUS TACK COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT THE RATE OF 0.08 GALLONS PER SQUARE YARD, UNLESS A VARIATION IS APPROVED BY THE ENGINEER.
- SURFACE COURSE - ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. THE MINIMUM COMPACTED THICKNESS TO BE AS NOTED ON PLANS.
- PAVEMENT MARKINGS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
- CONCRETE - ALL CONCRETE SHALL DEVELOP 2500 P.S.I. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 P.S.I. (MINIMUM) 28 DAYS COMPRESSIVE STRENGTH.
- ANY EXISTING ROADWAY AND/OR UTILITY THAT IS DAMAGED BY THE CONTRACTOR SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER'S ENGINEER.
- PIPE BACKFILL - REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING AREAS SHALL BE DEFINED IN THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. PIPELINE BACKFILL SHALL BE PLACED IN SIX INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR (A.A.S.H.T.O.) T-99 SPECIFICATIONS.
- ALL PIPE LENGTHS AND CENTERLINE SLOPE LENGTHS SHOWN ON THESE DRAWINGS ARE SCALED DISTANCES. THE CONTRACTOR SHALL CONFIRM ALL MEASUREMENTS IN THE FIELD AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCY WITH THE DRAWINGS PRIOR TO PERFORMING THE WORK. ALL CONCRETE PIPES SHALL HAVE GASKET JOINTS.
- THE PROPERTY OWNER, CONTRACTOR AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
- AN ENVIRONMENTAL ASSESSMENT WAS PREPARED ON MARCH 15, 2021 BY EW CONSULTANTS, INC. THE FOLLOWING TABLE HAS BEEN COMPLETED BASED ON THE ENVIRONMENTAL ASSESSMENT:

DESCRIPTION	FOUND (YES/NO)	AGENCY CONTACT INFORMATION	MANAGEMENT PLAN (YES/NO)	RELOCATION PLAN (YES/NO)
WETLANDS	NO	N/A	NO	NO
RARE HABITAT	NO	N/A	NO	NO
THREATENED SPECIES	NO	N/A	NO	NO
ENDANGERED SPECIES	NO	N/A	NO	NO
SPECIES OF SPECIAL CONCERN	NO	N/A	NO	NO
INVASIVE/EXOTIC VEGETATION	NO	N/A	NO	NO

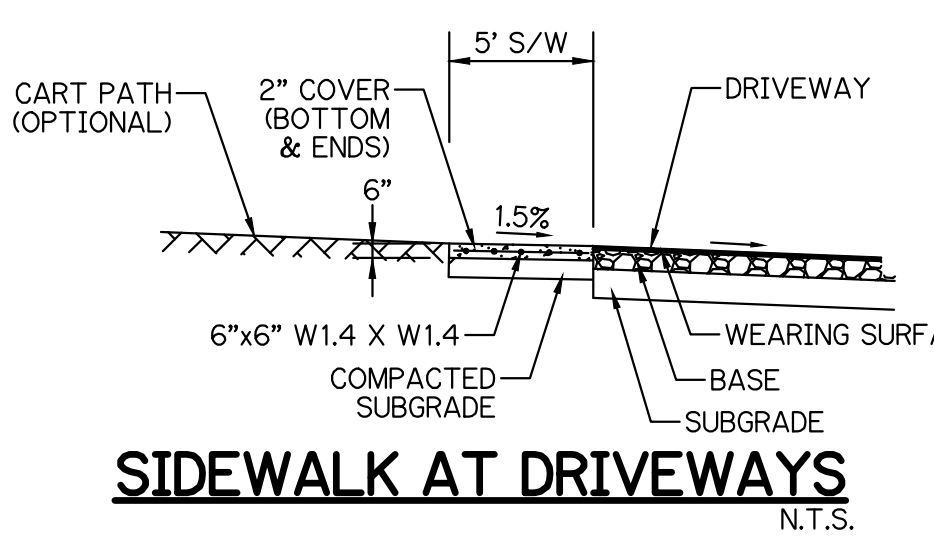


PAVING / SIDEWALK SPECIFICATIONS

TYPE	WEARING SURFACE	BASE	SUBGRADE	STRUCTURAL NUMBER (SN) (PARKING LOT SN = 2.18 MIN.)	
TEMPORARY PARKING LOT	1-1/2" THICK, TYPE S-III A.C.A.C. INSTALLED IN ONE LIFT OR TWO LIFTS OF 3/4" (FIRST LIFT TO BE 3/4" & SECOND LIFT TO BE 3/4"). TACK COAT REQUIRED WITH MULTIPLE LIFTS.	6-1/2" THICK, LIMEROCK (LBR 100) COMPACTED IN ONE LIFT TO 98% MAXIMUM DRY DENSITY, A.A.S.H.T.O. T-180	12" THICK, STABILIZED SUBGRADE, COMPACTED TO 98% MAXIMUM DRY DENSITY A.S.H.T.O. T-180 AND STABILIZED TO EITHER L.B.R. = 40 OR F.B.V. = 75	1 X 0.44 = 0.44 6.5 X 0.18 = 1.17 12 X 0.08 = 0.96 SN = 2.57	
GOLF CART PATH	1-1/2" THICK, TYPE S-III A.C.A.C. INSTALLED IN TWO LIFTS (FIRST LIFT TO BE 3/4" & SECOND LIFT TO BE 3/4"). TACK COAT REQUIRED WITH MULTIPLE LIFTS.	6-1/2" THICK, LIMEROCK (LBR 100) COMPACTED IN ONE LIFT TO 98% MAXIMUM DRY DENSITY, A.A.S.H.T.O. T-180	OPTIONAL BLACK BASE 5" THICK, TYPE B-12.5 (BLACK BASE) MAY BE SUBSTITUTED IN LIEU OF 8" LIMEROCK	1 X 0.44 = 0.44 5 X 0.30 = 1.50 12 X 0.08 = 0.96 SN = 2.90	
			OPTIONAL DOUBLE ROCK 5.5" ADDITIONAL LIMEROCK BASE AND 12" COMPACTED SUBGRADE MAY BE SUBSTITUTED IN LIEU OF 12" STABILIZED SUBGRADE	1 X 0.44 = 0.44 12.0 X 0.18 = 2.16 12 X 0 = 0 SN = 2.60	
SIDEWALKS *	4" THICK 3,000 PSI CONCRETE OR 6" THICK 3,000 PSI CONCRETE WITH W1.4 X W1.4, 6" X 6" REINFORCING MESH AT ALL DRIVEWAYS & L.M.A.E.'S	N/A	4" THICK, COMPACTED CLEAN SAND	N/A	1.50 X 0.44 = 0.66 6.5 X 0.18 = 1.17 12 X 0.08 = 0.96 SN = 2.79
					1.50 X 0.44 = 0.66 5 X 0.30 = 1.50 12 X 0.08 = 0.96 SN = 3.12

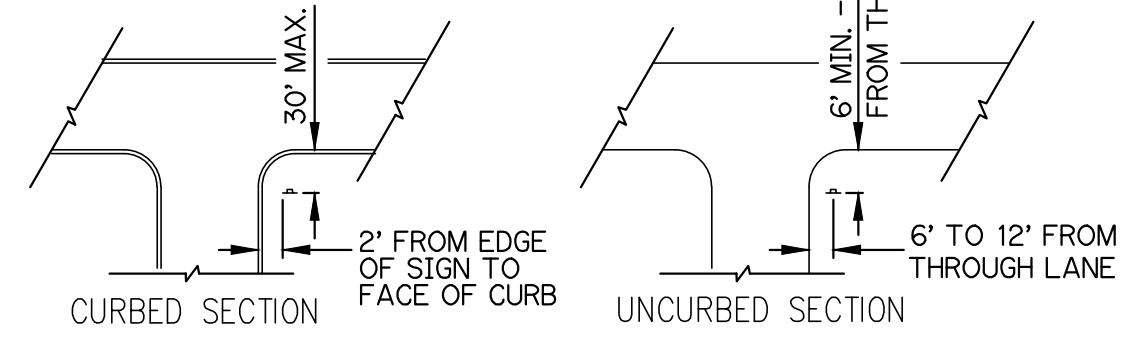
***SIDEWALK NOTES:**

- SIDEWALK TO BE 4" THICK, PORTLAND CEMENT CONCRETE, MINIMUM 3,000 P.S.I. @ 28 DAYS.
- SIDEWALK TO BE BROOM FINISHED WITH EVEN DUSTLESS SURFACE.
- COMPACTED BASE TO BE A MINIMUM 4" OF CLEAN SAND OR SANDY LOAM, COMPACTED TO 98% PER A.A.S.H.T.O. T-180, FULL WIDTH.
- AT DRIVEWAYS, SIDEWALKS SHALL BE THICKENED TO 6" WITH 6"x6" W1.4 X W1.4 MESH.
- TYPE "A" EXPANSION JOINTS (1/2" WITH PREFORMED JOINT FILLER PER F.D.O.T. STANDARD INDEX #310) SHALL BE LOCATED WHERE NEW CONCRETE MEETS EXISTING CONCRETE.
- TYPE "B" (1/4" TOoled JOINTS) OR TYPE "D" (1/8" SAWCUT JOINTS) PER F.D.O.T. STANDARD INDEX #310 SHALL BE LOCATED AT 5' O.C. SAW-CUT JOINTS AVOIDED WHENEVER POSSIBLE.

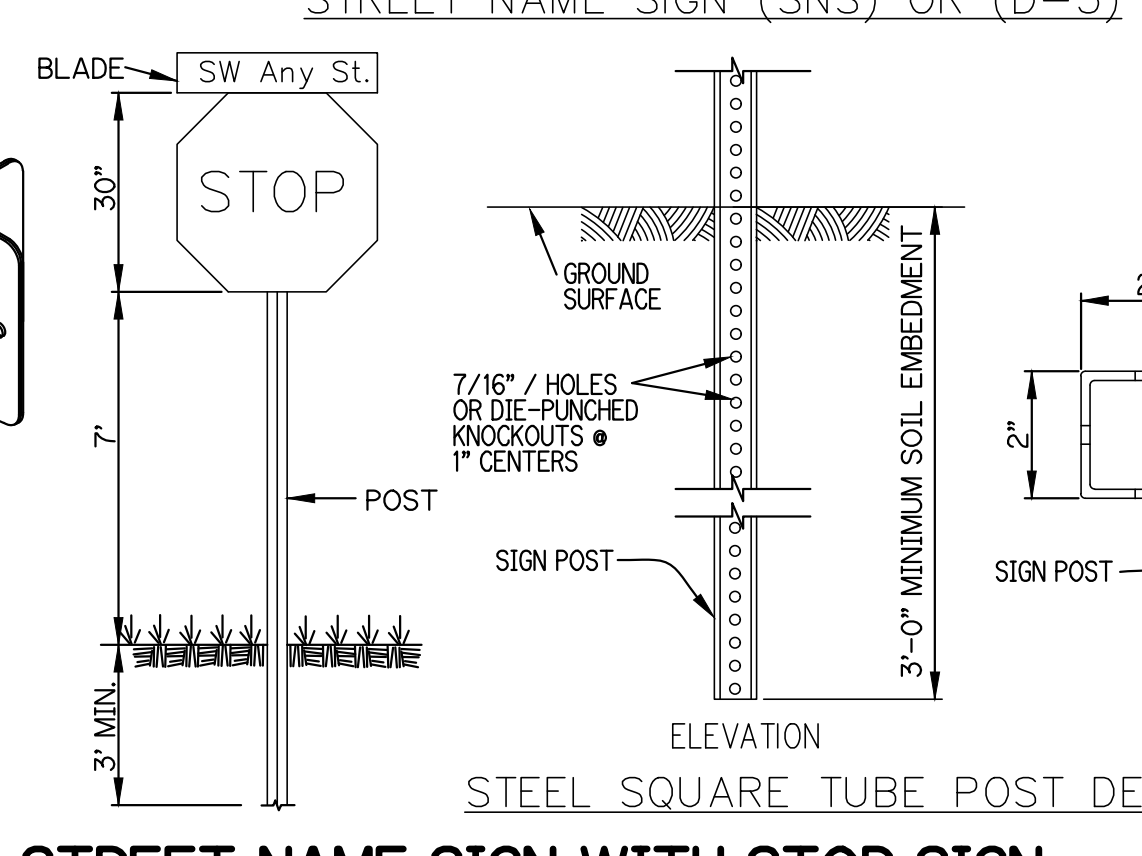


DETAILS LEGEND:

C/L	-CENTERLINE
CONC.	-CONCRETE
EL.	-ELEVATION
L/L	-LOT LINE
LME	-LAKE MAINTENANCE EASEMENT
MAX.	-MAXIMUM
MIN.	-MINIMUM
P.S.L.U.E.	-CITY OF PORT ST. LUCIE UTILITY EASEMENT
R	-RADIUS
R/W	-RIGHT-OF-WAY
S/W	-SIDEWALK
TYP.	-TYPICAL
U.E.	-UTILITY EASEMENT
U.E.-R.A.	-UTILITY EASEMENT - RESTRICTED AREA



- IF STOP BAR IS USED IT SHALL BE PLACED AT THE STOP SIGN.
- STOP SIGN AND STOP BAR PLACEMENT SHALL MEET FDOT STANDARDS.



GENERAL SIGN SPECIFICATIONS:
SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. COORDINATE WITH DEVELOPER FOR SPECIFIC SIGN TYPE AND MAINTAIN CONSISTENCY THROUGHOUT PROJECT.

PLATE: ALCOA #96054.6063-T6 ALLOY, ETCHED, DECREASED WITH #1200 ALDOLINE FINISH WITH #3877 GREEN HIGH INTENSITY BACKGROUND AND EQUAL DIMENSIONS - 9" & 12" MIN. H, 24", 30", 36" AND 42" L.

LETTERS: NAME - 6" UPPERCASE WITH 4.5" LOWERCASE & 9" UPPERCASE WITH 6.75" LOWERCASE. SERIES "B" # 3870 HIGH INTENSITY (SILVER) OR EQUAL - PREFIX & SUFFIX - 4.5".

POST: STEEL FLANGED CHANNEL POST 3 LBS. WEIGHT PER FOOT WITH BAKED GREEN ALKYD OR GALVANIZED FINISH PER A.S.T.M. -A-123 WITHOUT ANCHOR PLATES. SQUARE POST PER FDOT INDEX 11860.

BRACKETS SHALL BE ATTACHED FIRMLY ON STANDARD SQUARE TUBE OR U-CHANNEL POSTS BY MEANS OF (2) 3/8" DIAMETER HEX HEAD BOLTS.

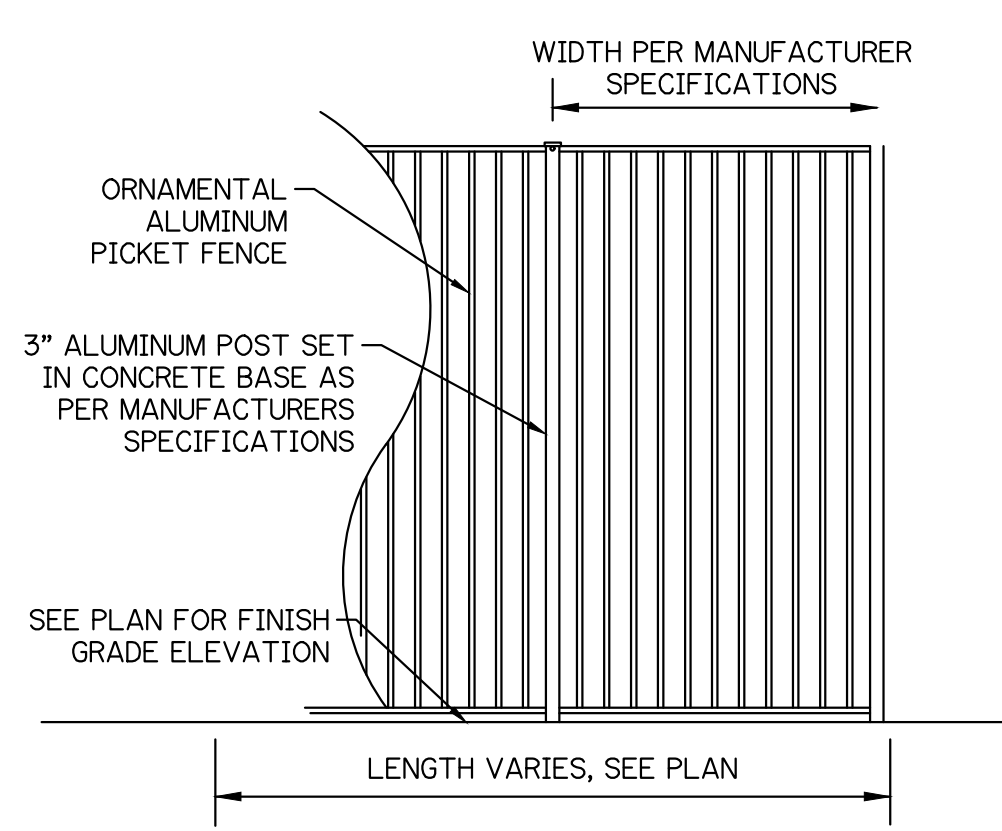
STOP SIGN: R1-1 MUTCD (HIGH INTENSITY)

LOCATION: ONE PER INTERSECTION AS INDICATED ON THE PLANS.

POLICY: 9" BLADES WITH 6" UPPERCASE WITH 4.5" LOWERCASE LETTERS FOR TWO ROADS WITH A SPEED LIMIT UNDER 45 MPH.

12" BLADES WITH 9" UPPERCASE WITH 6.75" LOWERCASE LETTERS FOR THOROUGHFARE ROADS FOUR LANES OR WIDER, TWO LANE ROADS WITH A POSTED SPEED LIMIT OF 45 MPH OR MORE.

ONLY ONE BLADE WILL BE INSTALLED AT INTERSECTION WITH THOROUGHFARE ROAD INDICATING THE SIDE STREET NAME.



FENCE AND GATES:
FENCE SPECIFICATION: 60" HEIGHT STANDARD ALUMINUM PICKET FENCING W/ 4" O.C. SPACING BETWEEN PICKETS AND INSTALLED W/ TOP RAIL (PICKETS SHALL BE ABLE TO REJECT A 4" DIAMETER SPHERE BALL).
FENCE COLOR: BRONZE;
FENCE GATES: SHALL BE SELF-CLOSING AND SELF-LATCHING - TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.

TYPICAL FENCE DETAIL

* IN LIEU OF ALUMINUM FENCE, BLACK VINYL COATED CHAIN LINK MAY BE INSTALLED.

NOTE: ALL GRADES SHOWN ARE IN NAVD88
P23-099 (USD 5266K-1)

PAVING, GRADING AND DRAINAGE DETAILS
FOR
RIV OFFICE COMPOUND
AT RIVERLAND CENTER

NO.	DATE	BY	CK

GLH ENGINEERING, LLC
1600 SAWGRASS CORPORATE PARKWAY, SUITE 400
SUNRISE, FLORIDA 33323
PHONE: (954) 753-1730

SCALE: 1"=40'
DATE: 9/7/23
DESIGNED BY: BA
CHECKED BY: MW
FILE NAME:
RIV-B OC PD

BRIAN ARNOLD, P.E.
FLORIDA P.E. #81294
RIV-B OC PD
SHEET 3 OF 7

GENERAL NOTES

- ALL RUNOFF SHALL BE ROUTED THROUGH THE WATER MANAGEMENT SYSTEM UNLESS THE CONTRACTOR SUBMITS A SEPARATE EROSION CONTROL PLAN.
- GRADE THE PERIMETER OF THE SITE TO ENSURE THAT RUNOFF DURING CONSTRUCTION DOES NOT FLOW DIRECTLY TO ADJACENT LANDS. PROVIDE AND INSTALL SILT FENCES IN CONFORMANCE WITH F.D.O.T. STANDARD INDEX 120, OR EQUIVALENT SEDIMENT CONTROLS, AROUND THE ENTIRE WORK AREA DURING CONSTRUCTION.
- STABILIZATION (SEED AND MULCH, SOD, TREES, ETC.) SHALL BE APPLIED ON ANY AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED. STABILIZATION SHALL BE IN PLACE WITHIN 7 DAYS OF THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A LOG OF THE DATES OF ALL MAJOR GRADING ACTIVITIES. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE, AND THE DATES WHEN EACH STABILIZATION TECHNIQUE IS INITIATED.
- INSTALL BASEROCK AND/OR STABILIZER MATERIAL AT THE CONSTRUCTION ENTRANCE TO LIMIT OFF-SITE TRACKING OF SEDIMENTS DURING CONSTRUCTION, AS NECESSARY, OR AS DIRECTED BY THE ENGINEER.
- THE SITE SHALL BE WATERED TO LIMIT DUST POLLUTION AS NEEDED OR AS DIRECTED BY THE ENGINEER.
- FERTILIZERS AND PESTICIDES SHALL BE APPLIED ONLY AT THE RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION.
- THE CONTRACTOR SHALL CONDUCT VISUAL INSPECTIONS OF THE TEMPORARY AND PERMANENT STABILIZATION DEVICES. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE WITHIN 24 HOURS OF A STORM WITH A RAINFALL DEPTH OF 1/2" OR MORE, BUT NOT LESS FREQUENTLY THAN ONCE PER WEEK FOR DEFICIENCIES IN THE STORMWATER POLLUTION PREVENTION TECHNIQUES BEING USED. SHOULD THE STORMWATER POLLUTION PREVENTION TECHNIQUES BE FOUND TO BE INEFFECTIVE OR IN POOR CONDITION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND, WITHIN 72 HOURS, REPAIR OR REPLACE THEM AS NECESSARY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF THE EROSION AND SEDIMENT CONTROL DEVICES UNTIL AN AREA IS DETERMINED BY THE ENGINEER TO BE PERMANENTLY STABILIZED AT WHICH TIME THE CONTRACTOR SHALL REMOVE ANY TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- THE CONTRACTOR SHALL REMOVE BUILT-UP SEDIMENT FROM STAKED SILT FENCES, HAY BALES, ETC. WHEN IT REACHES A HEIGHT OF 1/3 THE HEIGHT OF THE BARRIER OR WHEN WATER FLOW IS IMPEDED. THE CONTRACTOR SHALL INSPECT AND REPAIR ANY TEMPORARY OR PERMANENT SEEDING OR SODDING, AS NEEDED.
- THE CONTRACTOR SHALL MAINTAIN A COPY OF THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL LOGS AND INSPECTION REPORTS AS MENTIONED IN THE SWPPP ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND (RULE 62-621.300(4), F.A.C.) TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST ONE WEEK PRIOR TO CONSTRUCTION. A COPY OF THE NOI SHALL BE PROVIDED TO THE ENGINEER AND LOCAL AGENCIES WITH THE SHOP DRAWINGS SUBMITTAL.
- THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) OF GENERIC PERMIT COVERAGE (RULE 62-621.300(6), F.A.C.) TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT THE COMPLETION OF THE PROJECT. A COPY OF THE NOT SHALL BE PROVIDED TO THE ENGINEER AND LOCAL AGENCIES WITH THE FINAL DOCUMENTS AND PRIOR TO THE FINAL INSPECTION.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

- SITE DESCRIPTION**

A. LOCATION
THE PROJECT IS LOCATED IN ST. LUCIE COUNTY, FLORIDA AT THE SOUTHWEST CORNER OF DISCOVERY WAY AND RIVERLAND BOULEVARD. THE PROJECT IS APPROXIMATELY 2 MILES WEST OF INTERSTATE 95.

B. CONSTRUCTION ACTIVITY
THE PROJECT CONSISTS OF RIVERLAND PARCEL B OFFICE COMPOUND, A 9.49 ACRE OFFICE DEVELOPMENT AND RELATED SITE WORK AND UNDERGROUND UTILITIES. TOTAL RIVERLAND PARCEL B SITE AREA IS 341.00 AC. THE TOTAL AREA OF SITE TO BE DISTURBED FOR THIS PLAT IS 2.2 AC.

CONSTRUCTION ACTIVITY WILL INCLUDE CLEARING AND GRUBBING OF THE SITE, INSTALLATION OF UNDERGROUND STORM DRAINAGE, POTABLE WATER SYSTEMS, SANITARY SEWER SYSTEMS, ASPHALT PAVING AND MISCELLANEOUS ITEMS ASSOCIATED WITH THE OVERALL PROJECT.

C. MAJOR SOIL DISTURBING ACTIVITIES
THE MAJOR SOIL DISTURBING ACTIVITIES WILL INCLUDE CLEARING AND GRUBBING, EXCAVATION OF LAKES AND FILLING FOR THE BUILDING FOUNDATIONS AND TRENCHING FOR THE INSTALLATION OF UNDERGROUND FACILITIES. THE SEQUENCE OF CONSTRUCTION WILL GENERALLY FOLLOW THE ORDER OF CLEARING AND GRUBBING, EXCAVATION OF LAKES AND FILLING FOR BUILDING FOUNDATIONS, TRENCHING FOR THE INSTALLATION OF UNDERGROUND FACILITIES, GRADING FOR ROADWAY SUBGRADE AND THE INSTALLATION OF THE PAVEMENT SECTION.

D. RUNOFF COEFFICIENTS
THE PROJECT AREA IS CURRENTLY AGRICULTURAL. THE RUNOFF COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION ARE AS FOLLOWS:
BEFORE CONSTRUCTION - AGRICULTURAL USE: C = 0.3
DURING CONSTRUCTION-DISTURBED UPLANDS & PARTIAL CONSTRUCTION: C = 0.3-0.7
AFTER CONSTRUCTION: C = 0.7-0.9

E. RECEIVING WATERS
THE ULTIMATE RECEIVING WATER FOR STORMWATER RUNOFF IS THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) C-23 CANAL.
- CONTROLS**
NARRATIVE - THE SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS AND MEASURES ARE AS FOLLOWS FOR THE GENERAL CONSTRUCTION ACTIVITIES:
CLEARING AND GRUBBING: BASED ON THE EXISTING TOPOGRAPHY OF THE PROJECT AREAS, CERTAIN AREAS WITHIN THE LIMITS OF WORK MAY REQUIRE TEMPORARY SILT FENCES AND EROSION CONTROL DEVICES TO CONTAIN UNFINISHED SOILS WITHIN THE CONSTRUCTION AREA. THESE CONTROLS WILL BE TEMPORARY AND WILL BE REMOVED FOLLOWING THE FINAL STABILIZATION OF THE DISTURBED AREAS.
EXCAVATION ACTIVITIES: EXCAVATION FOR FOUNDATIONS WILL OCCUR WITHIN THE LIMITS OF THE FINISHED PROJECT AREA. THE LIMITS OF CONSTRUCTION AND PROJECT BOUNDARIES WILL BE GRADED TO CONTAIN ALL SPOIL MATERIAL FROM THE EXCAVATION ACTIVITIES ONSITE AND ANY DEWATERING ACTIVITIES WILL PROVIDE THE NECESSARY CONTAINMENT BERMS AND DIKES TO PREVENT UNCONTROLLED OFFSITE DISCHARGES. TEMPORARY CONTROLS WILL BE INSTALLED AS NECESSARY IN THE AREA OF THE EXCAVATION TO PREVENT EROSIONS OF UNSTABILIZED MATERIAL AND WILL BE MAINTAINED UNTIL THE FINAL STABILIZATION OF THESE AREAS IS COMPLETED.
GRADING: GRADING FOR THE PROJECT WILL BE COMPLETED IN PHASES AS EACH SECTION OF THE WORK PROGRESSES. ROUGH GRADING WILL OCCUR FOLLOWING THE CLEARING AND GRUBBING ACTIVITIES. FINAL GRADING WILL BE COMPLETED AROUND THE PERIMETER OF THE SITE. TEMPORARY CONTROLS WILL BE INSTALLED ALONG THE LIMITS OF THE WORK AS NECESSARY AND THESE CONTROLS WILL BE REMOVED FOLLOWING FINAL STABILIZATION.
- EROSION AND SEDIMENT CONTROLS**
 - STABILIZATION PRACTICES: THE PROPOSED WORK WILL BE STABILIZED ON AN INTERIM AND PERMANENT BASIS AS THE WORK PROGRESSES. STABILIZATION PRACTICES WILL CONSIST OF BUT MAY NOT BE LIMITED TO SEEDING, MULCHING AND SODDING.
 - STRUCTURAL PRACTICES: STRUCTURAL PRACTICES WILL BE IMPLEMENTED DURING CONSTRUCTION AS TEMPORARY CONTROLS. THESE ITEMS WILL INCLUDE BUT ARE NOT LIMITED OF THE FOLLOWING:
 - BERMS AND DIKES FOR CONTAINMENT OF RUNOFF AND FOR DEWATERING ACTIVITIES.
 - SILT FENCES FOR PERIMETER CONTROLS. IN LIEU OF OR IN ADDITION TO SILT FENCE, A 6' WIDE VEGETATED STRIP MAY BE INSTALLED FOR SEDIMENT CONTAINMENT.
 - FILTER CLOTH AND HAY BALES FOR INLET PROTECTION.

TEMPORARY EROSION CONTROL SHALL BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION, AND PERMANENT CONTROL MEASURES SHALL BE COMPLETED WITHIN 7 DAYS OF THE COMPLETED CONSTRUCTION ACTIVITIES.
- STORMWATER MANAGEMENT**
CONSTRUCTION ACTIVITIES WILL INCLUDE THE INSTALLATION OF UNDERGROUND PIPING.
UPON COMPLETION OF THE PROJECT, STORMWATER RUNOFF WILL BE DIRECTED TO THE LAKES FOR WATER QUALITY TREATMENT AND FLOOD PROTECTION. RUNOFF WILL BE DIRECTED TO THE LAKES BY UNDERGROUND DRAINAGE LINES, CONTROL STRUCTURES, CURBING AND SHEET FLOW OVER GRASS AREAS.
THIS PROJECT HAS BEEN SUBMITTED TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT FOR A MODIFICATION TO CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT NO. 56-00558-S.
- OTHER CONTROLS**
 - WASTE DISPOSAL: THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION OF

- MATERIALS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE EPA'S STANDARD PRACTICES. NO SOLID MATERIAL INCLUDING BUILDING AND CONSTRUCTION MATERIAL SHALL BE DISPOSED OF, DISCHARGED OR BURIED ONSITE.
- OFFSITE VEHICLE TRACKING: LOADED HAUL TRUCKS SHALL BE COVERED WITH A TARPULIN. EXCESS DIRT MATERIAL ON THE ROADS SHALL BE REMOVED IMMEDIATELY. HAULING ON UNPAVED SURFACES SHALL BE MONITORED TO MINIMIZE DUST AND CONTROL EROSION. HAUL ROADS SHALL BE WATERED OR OTHER CONTROLS PROVIDED AS NECESSARY TO REDUCE DUST AND CONTROL SEDIMENTS.
 - SANITARY WASTE: THE CONTRACTOR SHALL PROVIDE PORTABLE SANITARY WASTE FACILITIES. THESE FACILITIES SHALL BE COLLECTED OR EMPTIED BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.
 - FERTILIZERS AND PESTICIDES: FERTILIZER SHALL BE APPLIED AT A RATE SPECIFIED BY THE LANDSCAPE ARCHITECT. THE APPLICATION OF FERTILIZERS SHALL BE ACCOMPLISHED IN A MANNER AS DESCRIBED BY THE MANUFACTURER OR LANDSCAPE ARCHITECT TO ENSURE THE PROPER INSTALLATION AND TO AVOID OVER FERTILIZING.

D. APPROVED SITE AND LOCAL PLANS
CONSTRUCTION PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT IS BEING APPLIED FOR. A PERMIT FROM THE UNITED STATES ARMY CORPS OF ENGINEERS HAS BEEN ISSUED FOR THE IMPACTS TO EXISTING WETLANDS.
THE MEASURES AND CONTROLS OUTLINED ABOVE WILL BE IMPLEMENTED BY THE CONTRACTOR DURING CONSTRUCTION AND THESE MEASURES AND CONTROLS WILL PROVIDE THE NECESSARY POLLUTION PREVENTION AND SEDIMENTATION CONTROL DURING CONSTRUCTION.

III. MAINTENANCE
THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF THE EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION IS EXECUTED.

THE CONTRACTOR SHALL REVIEW THE PROJECT AND ALL EROSION AND SEDIMENTATION CONTROLS ON A DAILY BASIS AND DURING AND FOLLOWING RAINFALL EVENTS. THE FOLLOWING PRACTICES WILL BE IMPLEMENTED TO MAINTAIN AND MONITOR EROSION AND SEDIMENTATION CONTROLS.

- PROJECT REVIEW ON A DAILY BASIS.
- PROVIDE AND MAINTAIN RAIN GAUGES ONSITE (IF WEATHER STATIONS ARE NOT AVAILABLE IN THE AREA) TO RECORD RAINFALL DATA DAILY.
- REVIEW STABILIZATION PRACTICES AND CONTROLS ON A DAILY BASIS AND MAINTAIN AND REPAIR THESE MEASURES AND CONTROLS AS NECESSARY. TEMPORARY AND PERMANENT SEEDING, MULCHING AND SODDING SHALL BE REPAIRED IN BARE SPOTS AND WASHOUTS AND HEALTHY GROWTH ESTABLISHED.
- REVIEW STRUCTURAL PRACTICES ON A DAILY BASIS AND MAINTAIN AND REPAIR THESE MEASURES AND CONTROLS AS NECESSARY. BUILT UP SEDIMENTS SHALL BE REMOVED FROM SILT FENCES, HAY BALES AND FILTER CLOTH. SUCH CONTROLS SHALL BE REPLACED AS NECESSARY AND REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS.
- AN INSPECTION AND MAINTENANCE REPORT SHALL BE COMPLETED AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.50 INCHES OR MORE.
- IF THE CONTRACTOR ELECTS TO APPLY FOR PERMITS FOR DISCHARGE OF STORMWATER FROM THE SITE DURING CONSTRUCTION, ALL POINTS OF DISCHARGE OF STORMWATER RUNOFF FROM THE SITE SHALL BE INSPECTED ON A DAILY BASIS AND CONTROLS AND MEASURES REPAIRED AS NECESSARY TO MAINTAIN ACCEPTABLE WATER QUALITY AND DISCHARGE VOLUMES IN ACCORDANCE WITH THE STATE PERMITS.

IV. INSPECTIONS
QUALIFIED PERSONNEL SHALL INSPECT ALL POINTS OF DISCHARGE, AS APPLICABLE, FROM THE PROJECT SITE AND ALL DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN STABILIZED.

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR POTENTIAL FOR POLLUTANTS ENTERING THE STORMWATER MANAGEMENT SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. INSPECTION AND MAINTENANCE REPORTS SHALL BE COMPLETED AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.50 INCHES OF WATER OR GREATER (SEE ATTACHED FORM). THESE FORMS SHALL BE RETAINED FOR A PERIOD OF AT LEAST 3 YEARS FOLLOWING THE DATE THE SITE IS FINALLY STABILIZED.

V. NON-STORMWATER DISCHARGES
DEWATERING, WHEN NECESSARY, WILL BE DETAINED ONSITE WITHIN SMALL IMPOUNDMENTS AND MAY DISCHARGE FROM THE SITE UNDER EXTREME CONDITIONS. ANY DISCHARGE FROM THE SITE WILL REQUIRE FILTRATION AND TREATMENT PRIOR TO ENTERING THE OFFSITE CONVEYANCE SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE STATE PERMITS FOR STORMWATER DISCHARGE AND DEWATERING ACTIVITIES FOR THE SITE. SPILL REPORTING FOR ITEMS SUCH AS OILS, FUEL, ETC. SHALL MEET THE REQUIREMENTS OF 40 CFR PART 117 AND 40 CFR PART 302. CLEANUP AND DISPOSAL OF ALL SPILLS SHALL MEET THE APPLICABLE REGULATORY AGENCY REQUIREMENTS AND SHALL BE HANDLED AND DISPOSED OF AS REQUIRED BY LAW.

VI. CERTIFICATION
ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWING CERTIFICATION:

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

PAVING, GRADING AND DRAINAGE DETAILS
 FOR
 RIV OFFICE COMPOUND
 AT RIVERLAND CENTER

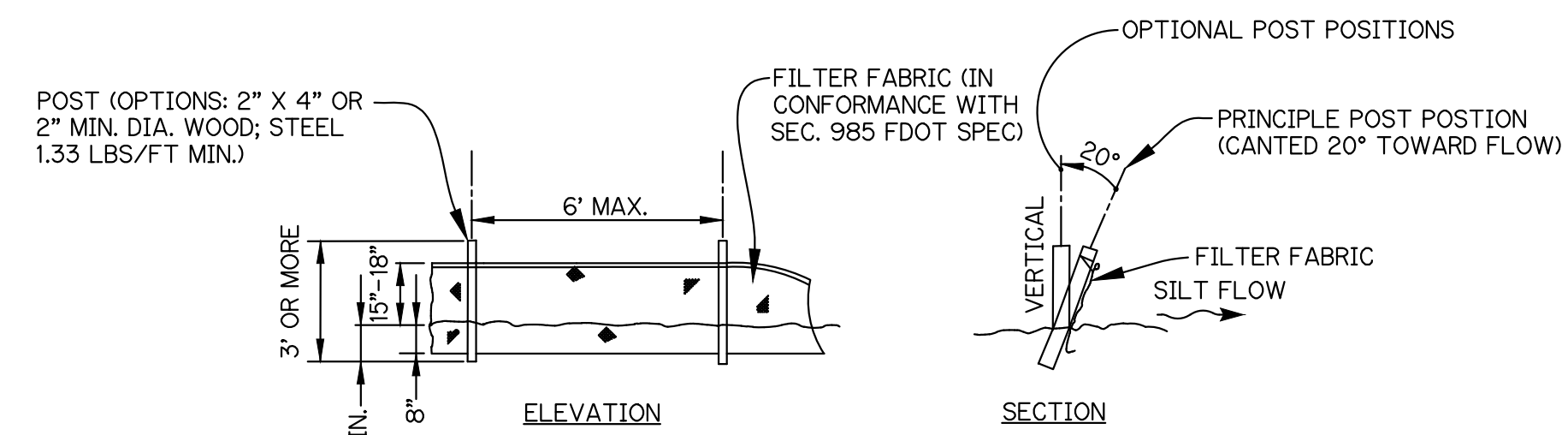
NO.	DATE	BY	CK

GLH ENGINEERING, LLC
 1600 SAWGRASS CORPORATE
 PARKWAY, SUITE 400
 SUNRISE, FLORIDA 33323
 PHONE: (954) 753-1730

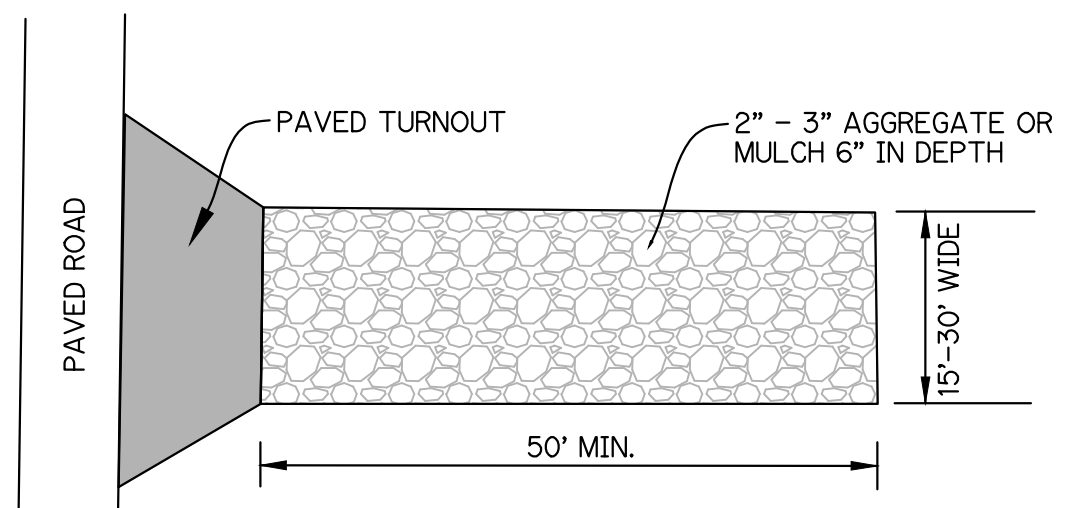
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BRIAN ARNOLD, P.E.
 FLORIDA P.E. #81294

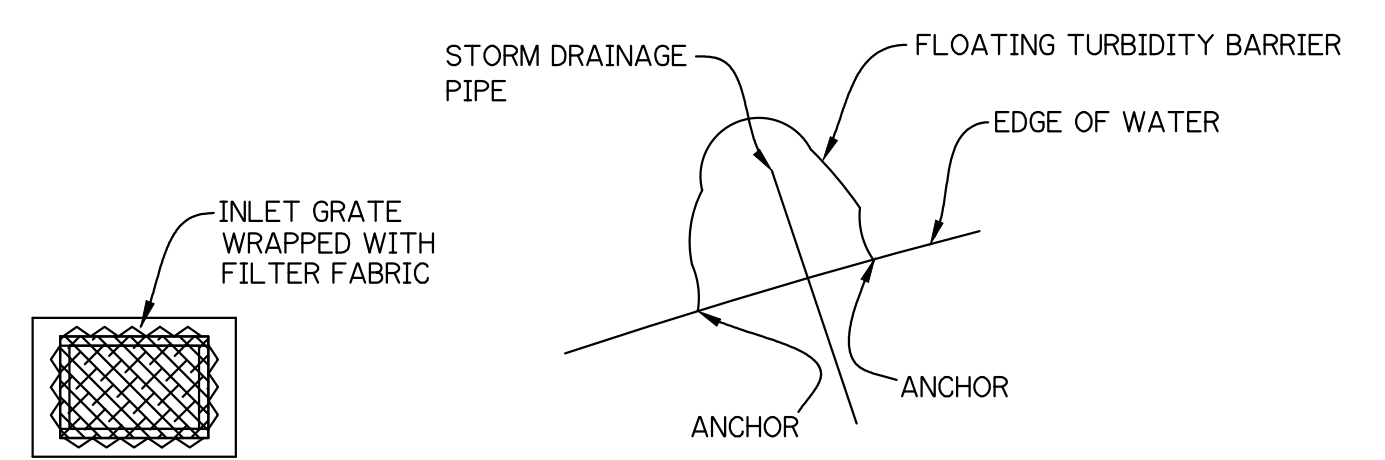
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 SHEET 5 OF 7



SILT FENCE
N.T.S.



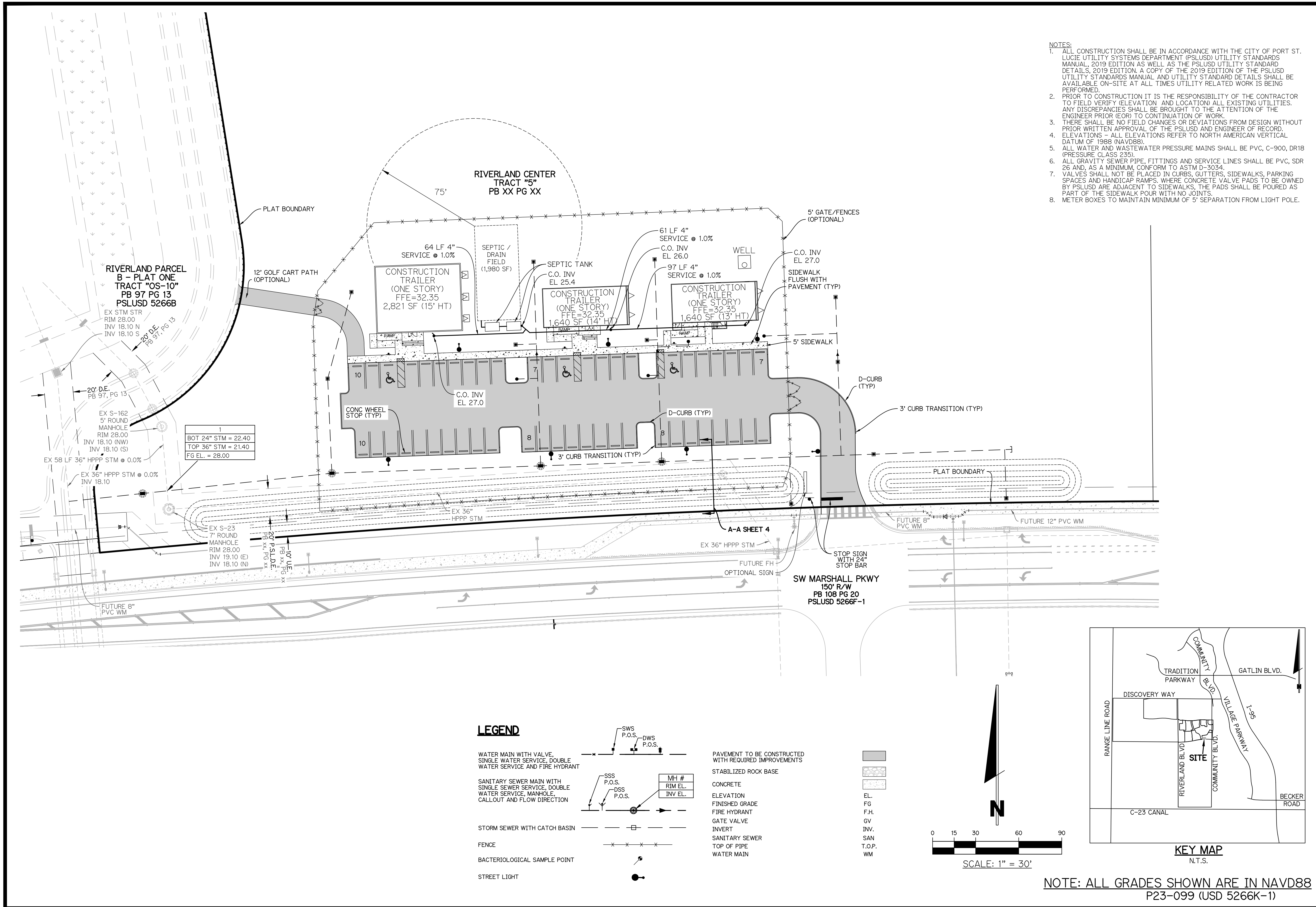
SOIL TRACKING DEVICE
N.T.S.



INLET PROTECTION
N.T.S.

TURBIDITY BARRIER
N.T.S.

NAME AND TITLE	COMPANY NAME, ADDRESS, AND PHONE NUMBER	RESPONSIBLE ITEMS	CERTIFICATION SIGNATURE	DATE



- NOTES:**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT (PSLUSD) UTILITY STANDARDS MANUAL, 2019 EDITION AS WELL AS THE PSLUSD UTILITY STANDARD DETAILS, 2019 EDITION. A COPY OF THE 2019 EDITION OF THE PSLUSD UTILITY STANDARDS MANUAL AND UTILITY STANDARD DETAILS SHALL BE AVAILABLE ON-SITE AT ALL TIMES UTILITY RELATED WORK IS BEING PERFORMED.
 2. PRIOR TO CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY (ELEVATION AND LOCATION) ALL EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR (EOR) TO CONTINUATION OF WORK.
 3. THERE SHALL BE NO FIELD CHANGES OR DEVIATIONS FROM DESIGN WITHOUT PRIOR WRITTEN APPROVAL OF THE PSLUSD AND ENGINEER OF RECORD.
 4. ELEVATIONS - ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 5. ALL WATER AND WASTEWATER PRESSURE MAINS SHALL BE PVC, C-900, DR18 (PRESSURE CLASS 235).
 6. ALL GRAVITY SEWER PIPE, FITTINGS AND SERVICE LINES SHALL BE PVC, SDR 26 AND, AS A MINIMUM, CONFORM TO ASTM D-3034.
 7. VALVES SHALL NOT BE PLACED IN CURBS, GUTTERS, SIDEWALKS, PARKING SPACES AND HANDICAP RAMPS. WHERE CONCRETE VALVE PADS TO BE OWNED BY PSLUSD ARE ADJACENT TO SIDEWALKS, THE PADS SHALL BE POURED AS PART OF THE SIDEWALK POUR WITH NO JOINTS.
 8. METER BOXES TO MAINTAIN MINIMUM OF 5' SEPARATION FROM LIGHT POLE.

WATER AND SEWER PLAN
FOR
RIV OFFICE COMPOUND
AT RIVERLAND CENTER

REVISIONS	DATE	BY	CK

GLH ENGINEERING, LLC
 1600 SAWGRASS CORPORATE
 PARKWAY, SUITE 400
 SUNRISE, FLORIDA 33323
 PHONE: (954) 753-1730

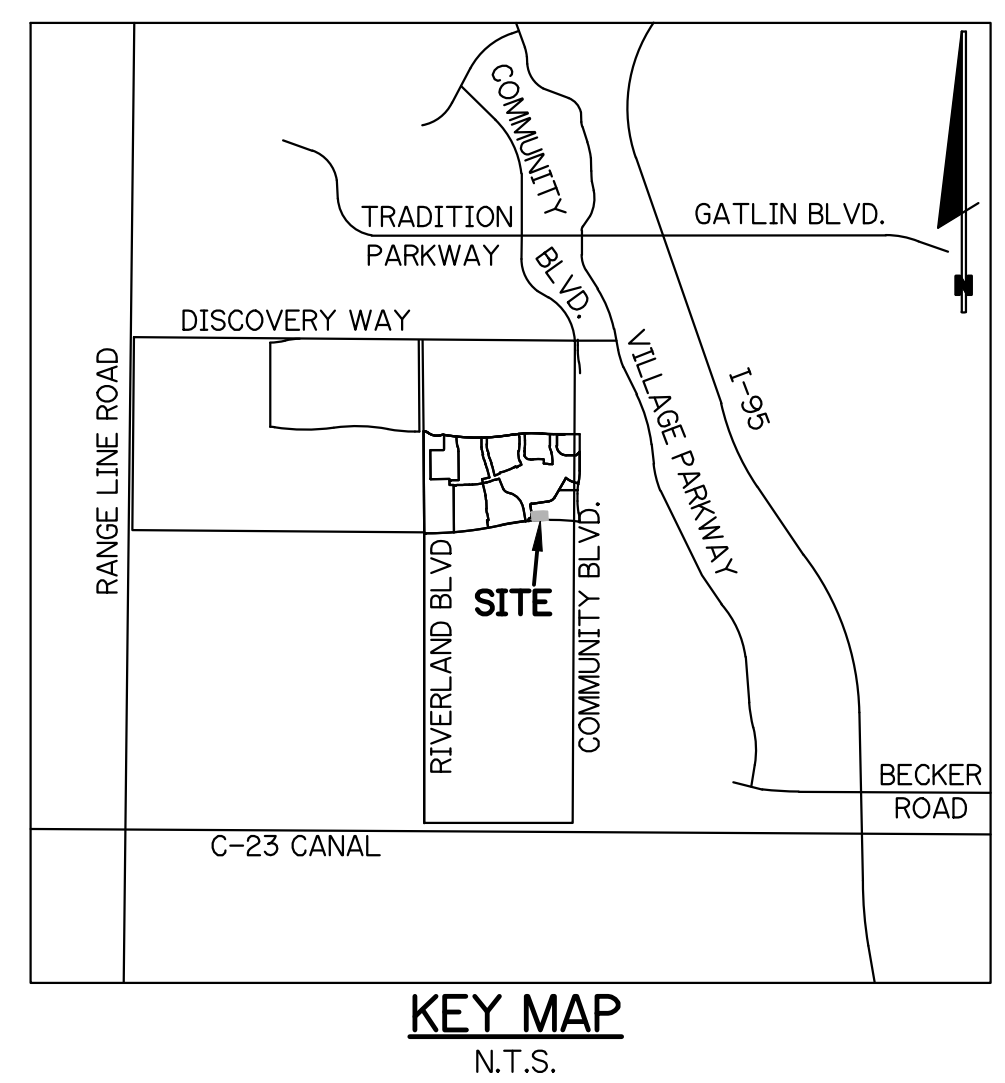
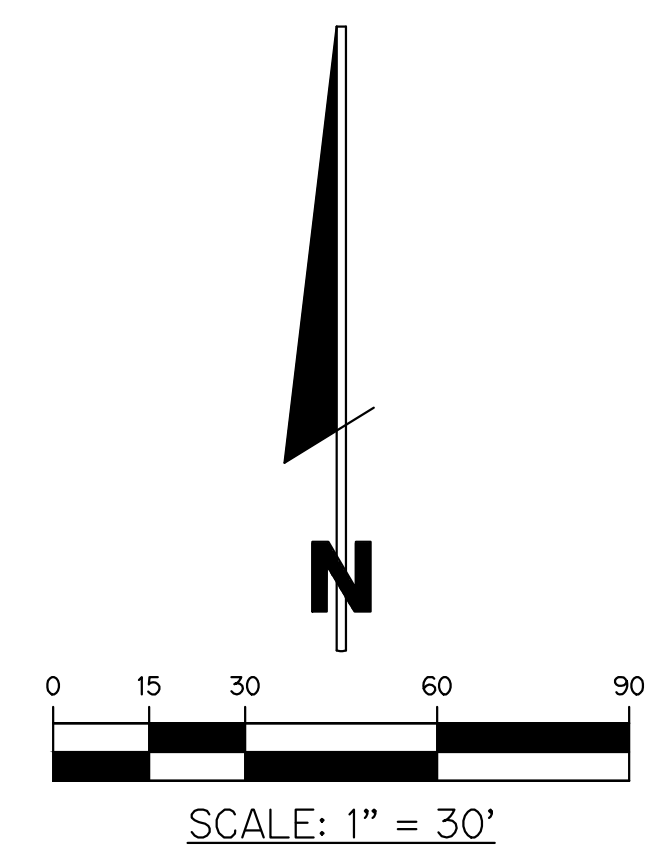
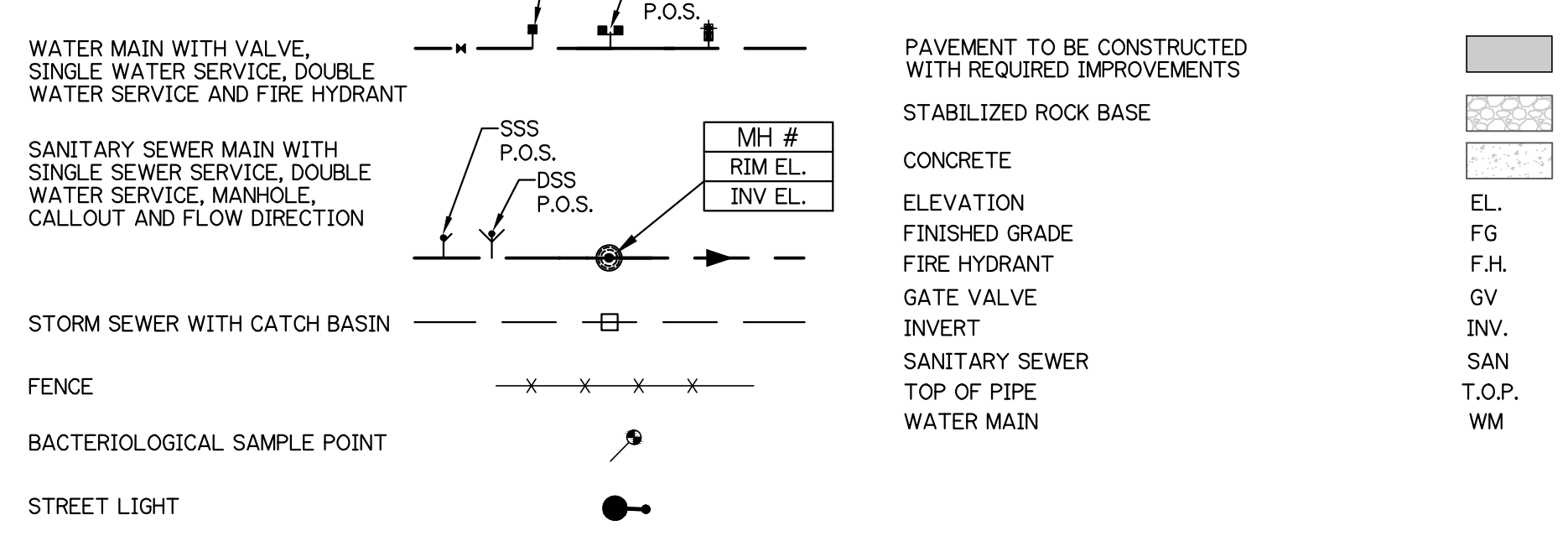
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BRIAN ARNOLD, P.E.
 FLORIDA P.E. #81294

RIV-B OC WS

SHEET 7 OF 7

LEGEND



NOTE: ALL GRADES SHOWN ARE IN NAVD88
 P23-099 (USD 5266K-1)