CONSTRUCTION PLANS AND SPECIFICATIONS

FOR

SOUTH FLORIDA LOGISTICS CENTER 95
WAREHOUSE DISTRIBUTION CENTER

SECTION 11, TOWNSHIP 35S, RANGE 39E

ST. LUCIE COUNTY, FLORIDA

LEGAL DESCRIPTION:

PARCEL NO. 1

THE NORTHEAST ¼ OF THE SOUTHEAST ¼ OF SECTION 11, TOWNSHIP 35 SOUTH, RANGE 39 EAST LESS AND EXCEPTING THEREFROM ALL RIGHTS OF WAY FOR PUBLIC ROADS AND DRAINAGE CANALS ALSO LESS AND EXCEPTING THEREFROM A TRACT OF LAND LYING IN THE NORTHEAST CORNER THEREOF CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION IN THE DEED RECORDED IN OFFICIAL RECORDS BOOK 240, PAGE 2533, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, AND FURTHER DESCRIBED AS FOLLOWS:

[REFERENCED HEREON AS DEED #1 (D1)]

BEGIN AT THE INTERSECTION OF THE SOUTH LINE OF ORANGE AVENUE EXTENSION (STATE ROAD NO. 68) AND THE WEST RIGHT OF WAY LINE OF KINGS HIGHWAY (STATE ROAD NO. 713); RUN SOUTH ALONG THE WEST RIGHT OF WAY LINE OF SAID KINGS HIGHWAY A DISTANCE OF 210 FEET; THENCE WEST AND PARALLEL TO THE SOUTH RIGHT-OF-WAY LINE OF ORANGE AVENUE EXTENSION A DISTANCE OF 210 FEET; THENCE NORTH AND PARALLEL TO THE WEST LINE OF KINGS HIGHWAY, A DISTANCE OF 210 FEET TO THE SOUTH RIGHT OF WAY OF ORANGE AVENUE; THENCE EAST ALONG THE SOUTH RIGHT OF WAY OF ORANGE AVENUE 210 FEET TO THE POINT AND PLACE OF BEGINNING.

ALSO LESS AND EXCEPTING THEREFROM THE FOLLOWING DESCRIBED REAL PROPERTY CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION IN SAID DEED:

[REFERENCED HEREON AS DEED #2 (D2)]

BEGIN AT THE INTERSECTION OF THE WEST BOUNDARY OF THE ABOVE 210 FOOT BY 210 FOOT EXCEPTION AND THE EXISTING SOUTH BOUNDARY OF STATE ROAD 68 AND RUN SOUTH 00°13'53" EAST 75 FEET; THENCE SOUTH 89°37'33" WEST 598.56 FEET; THENCE NORTH 00°22'27" WEST 75 FEET; THENCE NORTH 89°37'33" EAST 598.75 FEET TO THE POINT OF BEGINNING.

ALSO LESS AND EXCEPTING THEREFROM A TRACT OF LAND LYING IN THE NORTHEAST CORNER THEREOF AND FURTHER DESCRIBED AS FOLLOWS:

[REFERENCED HEREON AS DEED #3 (D3)]

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHEAST CORNER OF THE NORTHEAST ONE-QUARTER OF SAID SECTION 11; THENCE SOUTH 00°13'52" EAST, ALONG THE EAST LINE OF SAID SOUTHEAST ONE-QUARTER, SAID EAST LINE BEING THE CENTERLINE OF KING'S HIGHWAY, A DISTANCE OF 745.89 FEET; THENCE SOUTH 89°38'46" WEST, A DISTANCE OF 25.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF SAID KING'S HIGHWAY AND THE POINT OF BEGINNING; THENCE NORTH 00°13'52" WEST AND PARALLEL TO THE WEST RIGHT-OF-WAY LINE OF SAID KING'S HIGHWAY A DISTANCE OF 709.02 FEET, TO THE SOUTH RIGHT-OF-WAY LINE OF ORANGE AVENUE; THENCE NORTH 89°38'40" EAST ALONG SAID RIGHT-OF-WAY, A DISTANCE OF 67.00 FEET; THENCE NORTH 89°38'46" EAST, A DISTANCE OF 598.62 FEET; THENCE SOUTH 00°13'52" EAST AND PARALLEL TO THE WEST RIGHT-OF-WAY OF KING'S HIGHWAY, A DISTANCE OF 135.00 FEET; THENCE NORTH 89°38'46" EAST, A DISTANCE OF 210.00 FEET TO THE WEST RIGHT-OF-WAY OF SAID KING'S HIGHWAY; THENCE SOUTH 00°13'52" EAST, ALONG SAID RIGHT-OF-WAY, A DISTANCE OF 500.00 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 2:

THE WEST ½ OF THE SOUTHEAST ¼ OF SECTION 11, TOWNSHIP 35 SOUTH, RANGE 39 EAST, ST. LUCIE COUNTY, FLORIDA.

LESS AND EXCEPT THEREFROM ALL RIGHTS OF WAY FOR PUBLIC ROADS AND DRAINAGE CANALS.

ALSO LESS AND EXCEPTING THEREFROM A TRACT OF LAND CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION IN THAT CERTAIN WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 3932, PAGE 2607, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA AND FURTHER DESCRIBED AS FOLLOWS:

[REFERENCED HEREON AS DEED #4 (D4)]

A PORTION OF LAND, LYING IN THE SOUTHEAST ONE-QUARTER (SE ¼) OF SECTION 11, TOWNSHIP 35 SOUTH, RANGE 39 EAST, ST. LUCIE COUNTY, FLORIDA, AS SHOWN ON SHEET 5 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP OF STATE ROAD 713 (KING'S HIGHWAY), ITEM/SEGMENT NO. 2302567, SECTION 94003-2511 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A BOAT SPIKE, FOUND MARKING THE EAST ONE-QUARTER (E ¼) OF SAID SECTION 11; THENCE SOUTH 00°13'52" EAST ALONG THE EAST LINE OF SAID SOUTHEAST ONE-QUARTER (SE ¼) OF SECTION 11 AND BASELINE OF SURVEY OF SAID STATE ROAD NO. 713 (KING'S HIGHWAY), A DISTANCE OF 245.95 FEET; THENCE SOUTH 89°46'08" WEST ALONG A LINE AT A RIGHT ANGLE TO THE LAST DESCRIBED COURSE, A DISTANCE OF 25.00 FEET TO A POINT ON THE WESTERLY EXISTING RIGHT-OF-WAY LINE OF SAID STATE ROAD NO. 713 (KING'S HIGHWAY) AND THE SOUTHERLY EXISTING RIGHT OF WAY LINE OF STATE ROAD NO. 68 (ORANGE AVENUE); THENCE SOUTH 00°13'52" EAST ALONG SAID WESTERLY EXISTING RIGHT OF WAY LINE OF SAID STATE ROAD NO. 713 (KING'S HIGHWAY), A DISTANCE OF 500.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 00°13'52" EAST ALONG SAID WESTERLY EXISTING RIGHT OF WAY LINE, A DISTANCE OF 9.77 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A CHORD BEARING OF NORTH 03°09'30" WEST; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 10,515.00 FEET, THROUGH A CENTRAL ANGLE OF 02°24'06", AN ARC DISTANCE OF 440.77 FEET TO THE END OF SAID CURVE, A POINT OF REVERSE CURVATURE WITH A CURVE CONCAVE EASTERLY, HAVING A CHORD BEARING NORTH 03°59'18" WEST; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 10,685.00 FEET, THROUGH A CENTRAL ANGLE OF 00°44'28", AN ARC DISTANCE OF 138.23 FEET TO THE END OF SAID CURVE; THENCE NORTH 89°38'46" EAST, A DISTANCE OF 41.34 FEET TO THE POINT OF BEGINNING.

CONTAINING 103.50 ACRES, MORE OR LESS.

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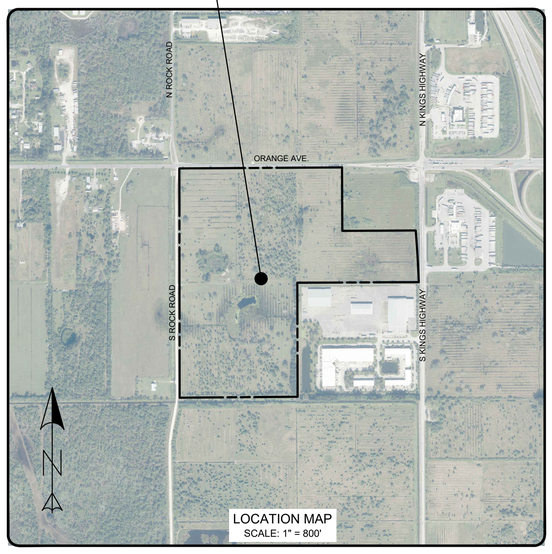
L.B. CERTIFICATE OF AUTHORIZATION 8098

PROJECT LOCATION



VICINITY MAP

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SLC DRC
PROJECT NO.
MJSP-9202126163

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FORT PIERCE UTILITY AUTHORITY STANDARD DETAILS AND SPECIFICATIONS, LATEST REVISION, AND WITH ALL APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.

ALL ELEVATIONS SHOWN HERE REFERENCE THE NORTH AMERICAN VERTICAL DATUM NAVD88

DAVID C. BAGGETT, P.E.
#81375

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SOUTH FLORIDA LOGISTICS CENTER 95 24 MAY 2023 #21-210

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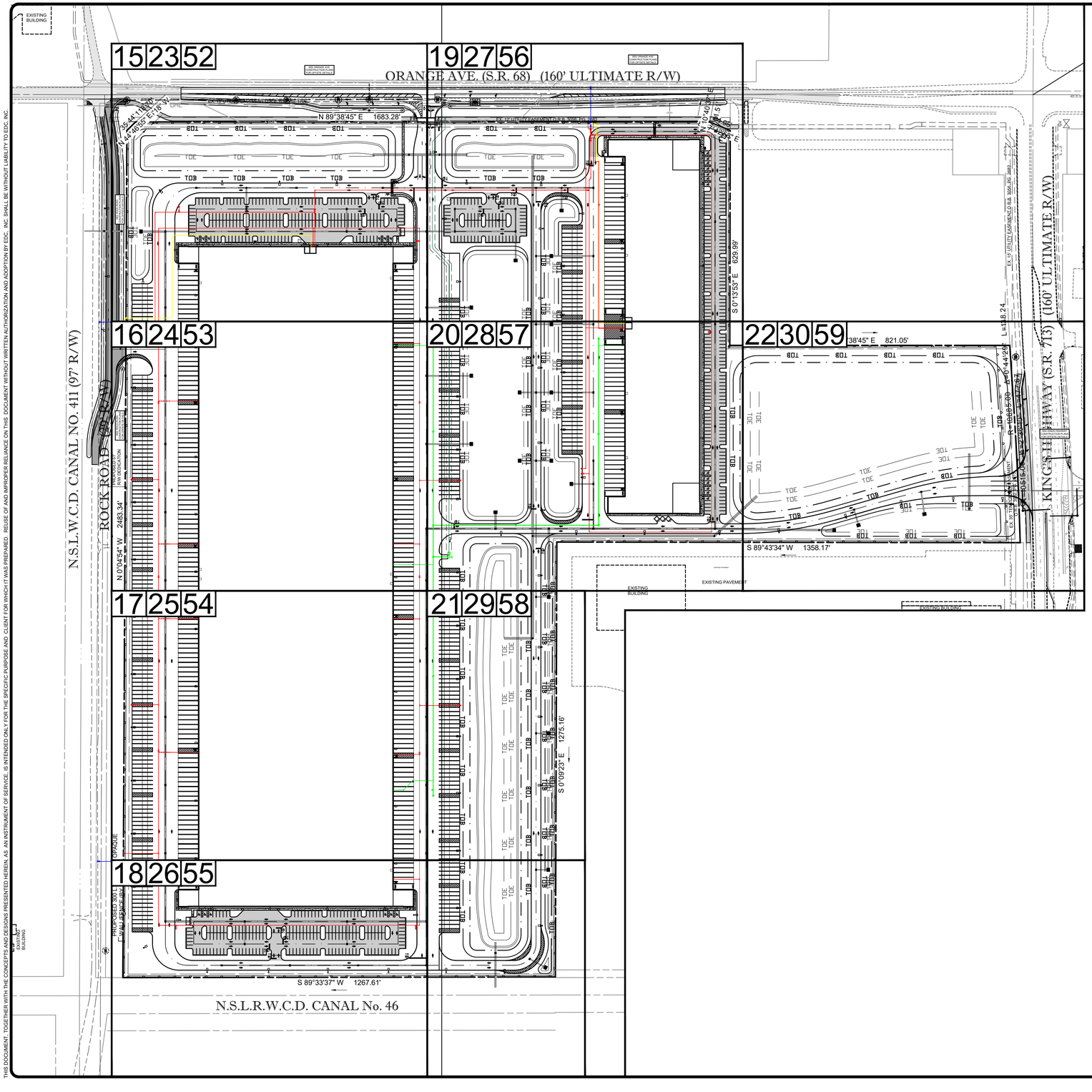

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DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA LOGISTICS CENTER 95

OVERALL KEY SHEET

ST. LUCIE COUNTY FLORIDA

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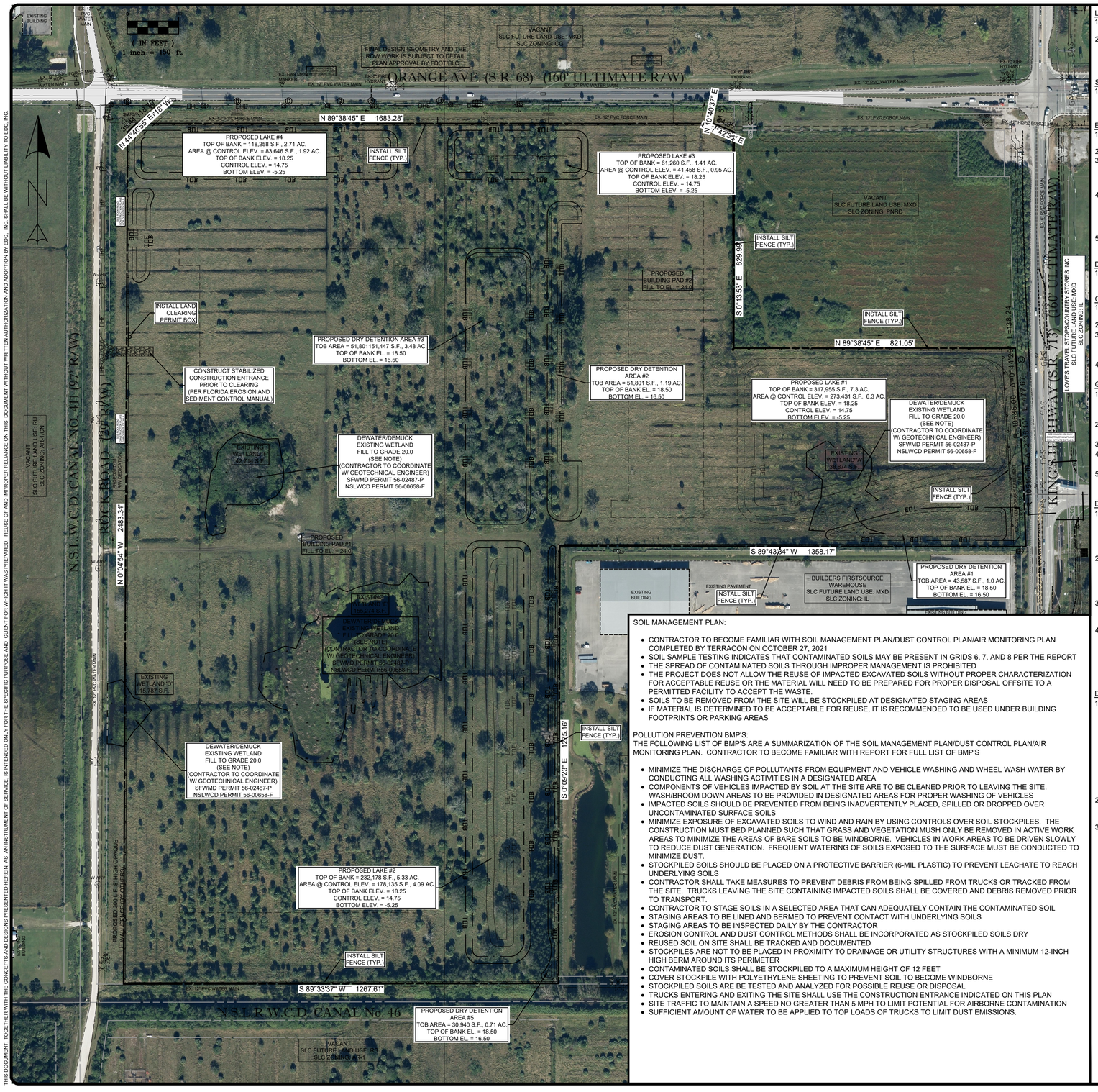
(IN FEET)
1 inch. = 150 ft.
ORANGE AVE. (S.R. 68) (160' ULTIMATE R/W)
FINAL DESIGN GEOMETRY AND THE ROW WORK IS SUBJECT TO DETAIL PLAN APPROVAL BY FDOT/SLC
VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG
EX. 12" PVC WATER MAIN
EX. 12" PVC FORCE MAIN
EX. 8" PVC WATER MAIN
EX. 6" PVC WATER MAIN
EX. 8" FIRE HYDRANT
EX. GAS MAIN MARKER
EX. 8" FORCE MAIN
EX. 8" FIRE HYDRANT
EX. 6" FORCE MAIN
EX. 8" FORCE MAIN
EX. 12" PVC FORCE MAIN
EX. 12" PVC WATER MAIN
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EX. 12" PVC FORCE MAIN
EX. 12" PVC WATER

Section 1	Project Name and location information:	SOUTH FLORIDA LOGISTICS CENTER 95 Section 11 Township 35S, Range 39E, St Lucie Country, FL
Section 2	Describe the nature of the construction activity:	Buildings w/ Parking, Drainage Infrastructure w/ Lakes, and Water & Sewer Infrastructure
Section 3	Describe the intended sequence of major soil disturbing activities:	0-2 days, site prep and stabilized construction entrance; 3-6 days, install perimeter sediment and erosion controls; 7-60 days, install stormwater retention basin; 7-10 days, clearing/grubbing over all areas; 11-90 days, site grading; 90-150 days, install storm sewer and utilities; 150-180 days, stabilize site
Section 4	Total area of the site:	98.24 acres
Section 5	Total area of the site to be disturbed:	98.24 acres
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	
Section 7	Estimate the drainage area size for each discharge point:	98.24 ACRES
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	27° 26' 25" N, 80° 24' 15" W
Section 9	Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments.	
	* Prior to clearing, a silt fence (trenched 6 inches deep and backfilled on the uphill side), shall be installed around the perimeter of the site. A rock entrance road (that is 60ft long with a 6 inch depth of FDOT #1 stone and lined with filter fabric) shall be constructed to minimize the effects of truck traffic and sedimentation tracking both on and off of the site. There will be only one construction entrance at this site. * After the initial site grading work, all proposed inlet(s) / outfall, once installed, shall be protected from erosion and sediment runoff by the use of filter fabric and properly installed inlet filters. Disturbed portions of the site where construction activities have permanently ceased shall be stabilized with sod or other permanent stabilization methods (if other methods are used, this SWPPP will be modified) no later than 7 days after the last construction activity. Seeding shall be the same as in temporary seeding. * All installation shall be commenced as depicted on the attached site map and installation "typicals" sheet.	
Section 10	Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.	
	* Temporary seeding shall be rye grass or other appropriate ground covers depending upon season of installation that is applied at manufacturer's recommendations to any disturbed areas that are inactive more than 7 days. * Sod shall be used to stabilize the sides of the detention basins. * Filter fabric shall be placed under the rock entrance / exit. * Vegetative buffers shall be left undisturbed along the boundaries of the property, with the exception of exotic vegetation removal.	
Section 11	Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins.	
	* A silt fence (with the same installation as indicated under the Best Management Practices heading) shall be placed around the entire perimeter of each construction phase. * A wet detention basin shall be constructed which may be used as a temporary sediment basin (prior to being connected to a discharge structure) if needed. Care shall be taken to assure the removal of accumulated fine sediments and that the excessive compaction of soil by construction machinery is avoided. * Inlets / Outfalls shall be protected with filter fabric and properly installed inlet filters (with the same installation as indicated under the Best Management Practices heading).	
Section 12	Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.	
	No temporary sedimentation basins are proposed. The detention basins (prior to being connected to a discharge structure) may be used as a temporary sediment basin if needed.	
Section 13	Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process.	
	* A stormwater detention basin shall be constructed per ERP permit and all disturbed areas shall be grassed.	

Section 22	Name	Title	Company Name, Address and Phone Number	Date

Section 14	Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No materials will be buried on site.
Section 15	Offsite vehicle tracking from construction entrances/exits:	Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down.
Section 16	The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates.
Section 17	The storage, application, generation and migration of all toxic substances:	All paints and other chemicals will be stored in a locked covered shed.
Section 18	Other:	Port-o-lets will be placed away from storm sewer systems, storm inlet(s), surface waters and wetlands. No vehicle maintenance shall be conducted on-site. A washdown area shall be designated at all times and will not be located in any area that will allow for the discharge of polluted runoff.
Section 19	Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.	
	Contractor shall provide routine maintenance of permanent and temporary sediment and erosion control features in accordance with the technical specifications or as follows, whichever is more stringent: • Silt fence shall be inspected at least weekly. Any required repairs shall be made immediately. Sediment deposits shall be removed when they reach approximately one-half the height of the barrier. • Maintenance shall be performed on the rock entrance when any void spaces are full of sediment. • Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. • Bare areas of the site that were previously seeded shall be reseeded per manufactures' instructions. • Mulch and sod that has been washed out shall be replaced immediately. • Maintain all other areas of the site with proper controls as necessary.	
Section 20	Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	Qualified personnel will inspect all points of discharges, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, said inspections shall be conducted at least once every month until the Notice of Termination is filed.	
Section 21	Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	It is expected that the following non-stormwater discharges may occur from the site during construction period: wash water (where no spills or leaks of toxic or hazardous materials have occurred), and uncontaminated groundwater (from dewatering excavation). Dewatering shall be done in accordance with the requirements of the SFWMD Water Use Permit. If said discharges do occur, they will be directed to the temporary sediment basin prior to discharge. Turbid water from the stormwater pond shall not be pumped directly into the receiving waters. Any pumped water from the stormwater pond shall be treated so as to not allow a discharge of polluted stormwater. Treatment can include silt fences, settling ponds, the proper use of flocculating agents, or other appropriate means.	
Section 22	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 thereunder."	

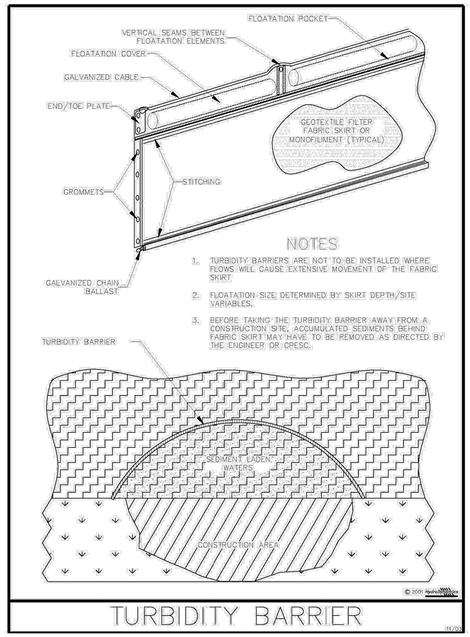

Figure V-44: Illustration of a Turbidity Barrier Curtain

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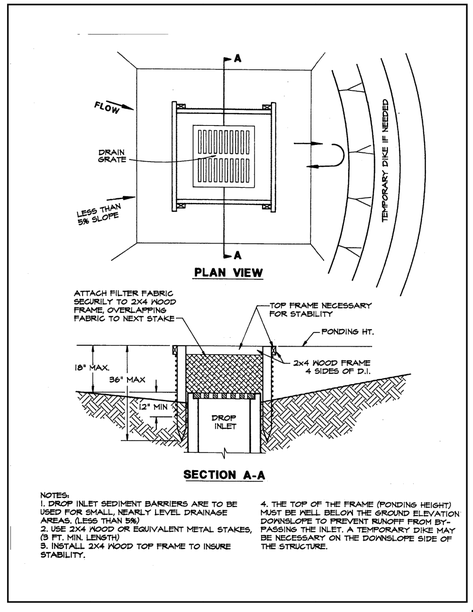

Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

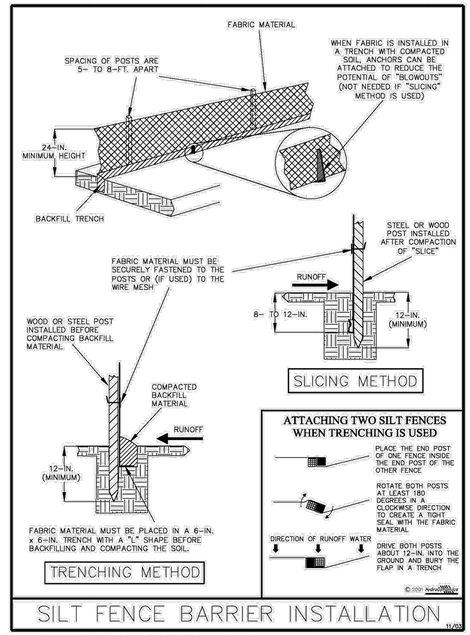

Figure V-40: Illustration of a Silt Fence Barrier

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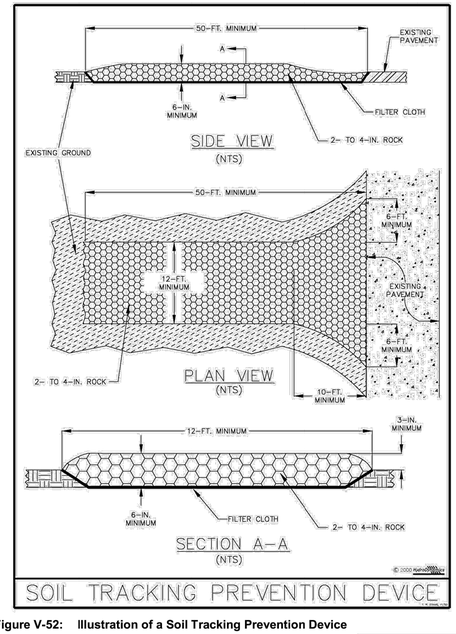

Figure V-52: Illustration of a Soil Tracking Prevention Device

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RWF — DRAWN BY
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4 - SWPP DETAILS — LAYOUT
AS SHOWN — SCALE
24 MAY 2023 — DATE
REVISION COMMENTS — DATE

SOUTH FLORIDA
LOGISTICS CENTER 95
STORMWATER POLLUTION
PREVENTION DETAILS
ST. LUCIE COUNTY — FLORIDA

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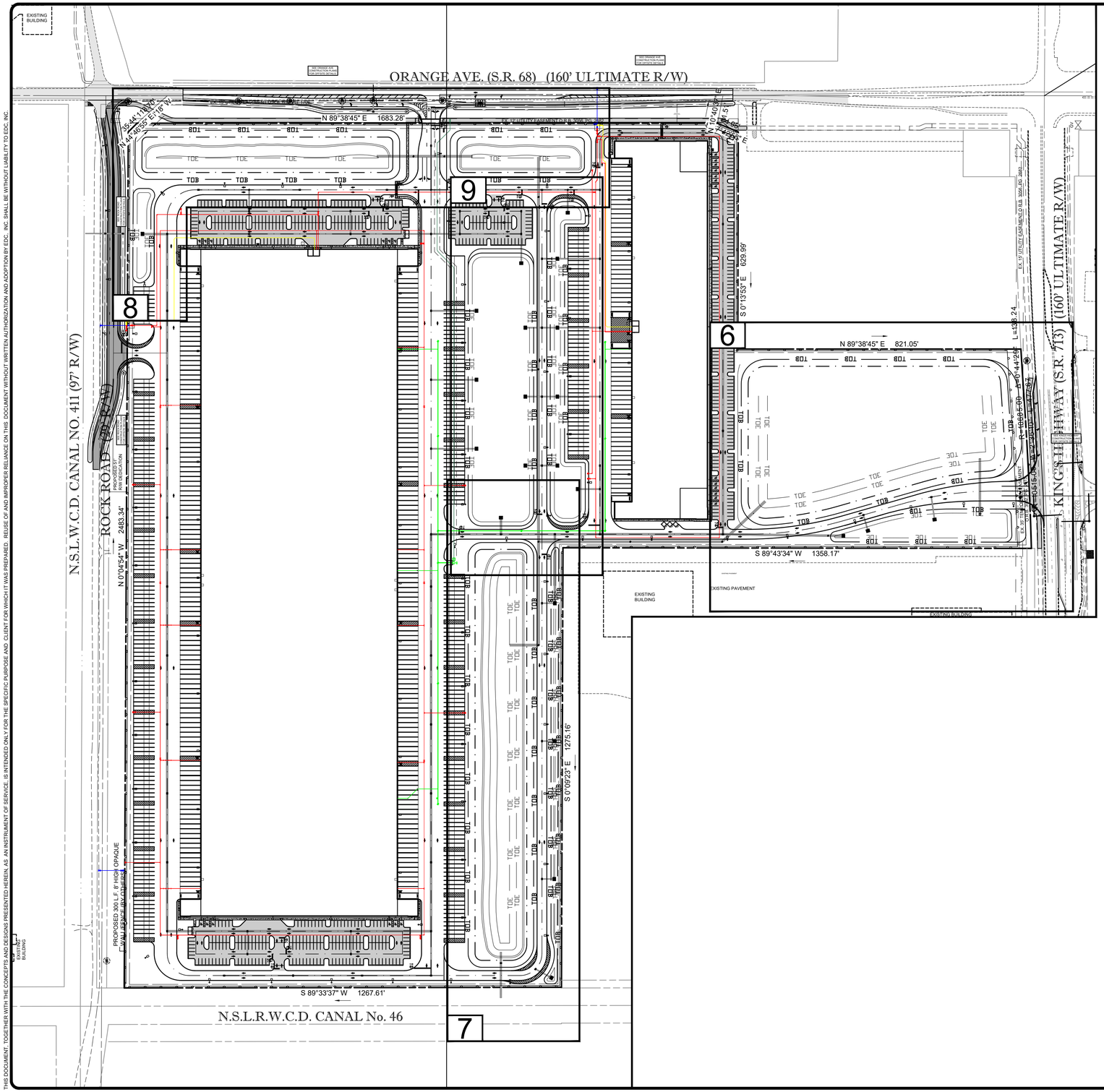

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LAYOUT	5 - KEY SHEET - CP
SCALE	1" = 150'
DATE	24 MAY 2023

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SOUTH FLORIDA LOGISTICS CENTER 95
LAKE & DRY DETENTION AREA KEY SHEET

ST. LUCIE COUNTY FLORIDA

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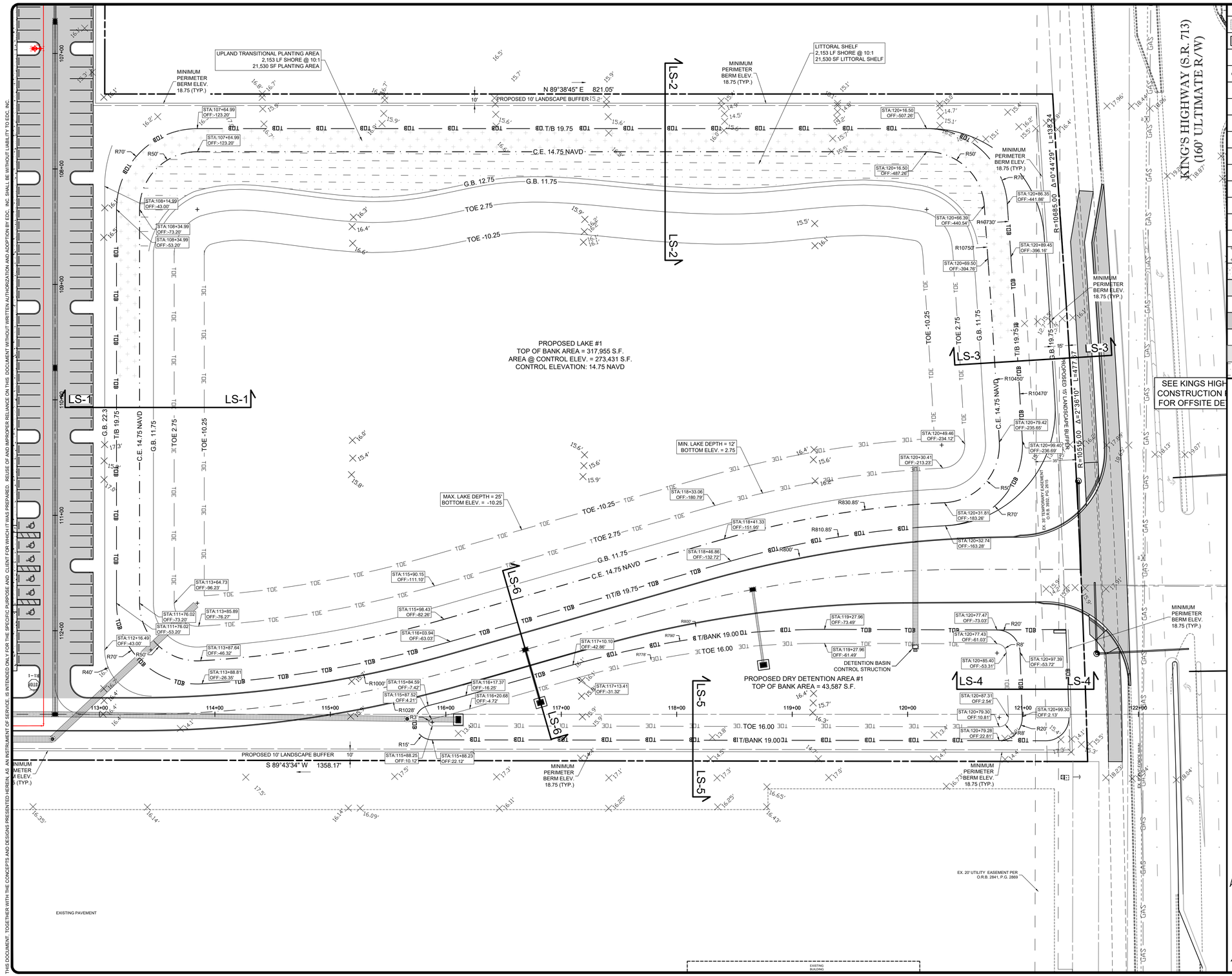

LEGEND

M E	EXISTING METER
M E	PROPOSED METER
	PROPOSED SIGN
7	BLOCK NUMBER
	MITERED END SECTION
	HANDICAP STALL
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.
#	PARKING STALL TAG # OF STALLS
#	EX. OAK TREE TO REMAIN # - TREE TAG
#	EX. PALM TREE TO REMAIN # - TREE TAG
#	EX. PINE TREE # - TREE TAG
#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	PROPOSED UPLAND PLANTING AREA.
	EXISTING CONCRETE
	EXISTING PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED STANDARD ASPHALT
	PROPOSED CONCRETE
	PROP. UPLAND TRANSITIONAL PLANTING AREA
	PROPOSED LITTORAL SHELF

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L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	6 - LAKE #1 S1	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
07-21-2023	ADDED LAKE SECTION CONTOUR LINE PER CONTRACTORS REQUEST

SOUTH FLORIDA LOGISTICS CENTER 95

CONSTRUCTION PLANS FOR LAKE #1 & DRY DETENTION AREA #1

ST. LUCIE COUNTY — FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

0 40

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

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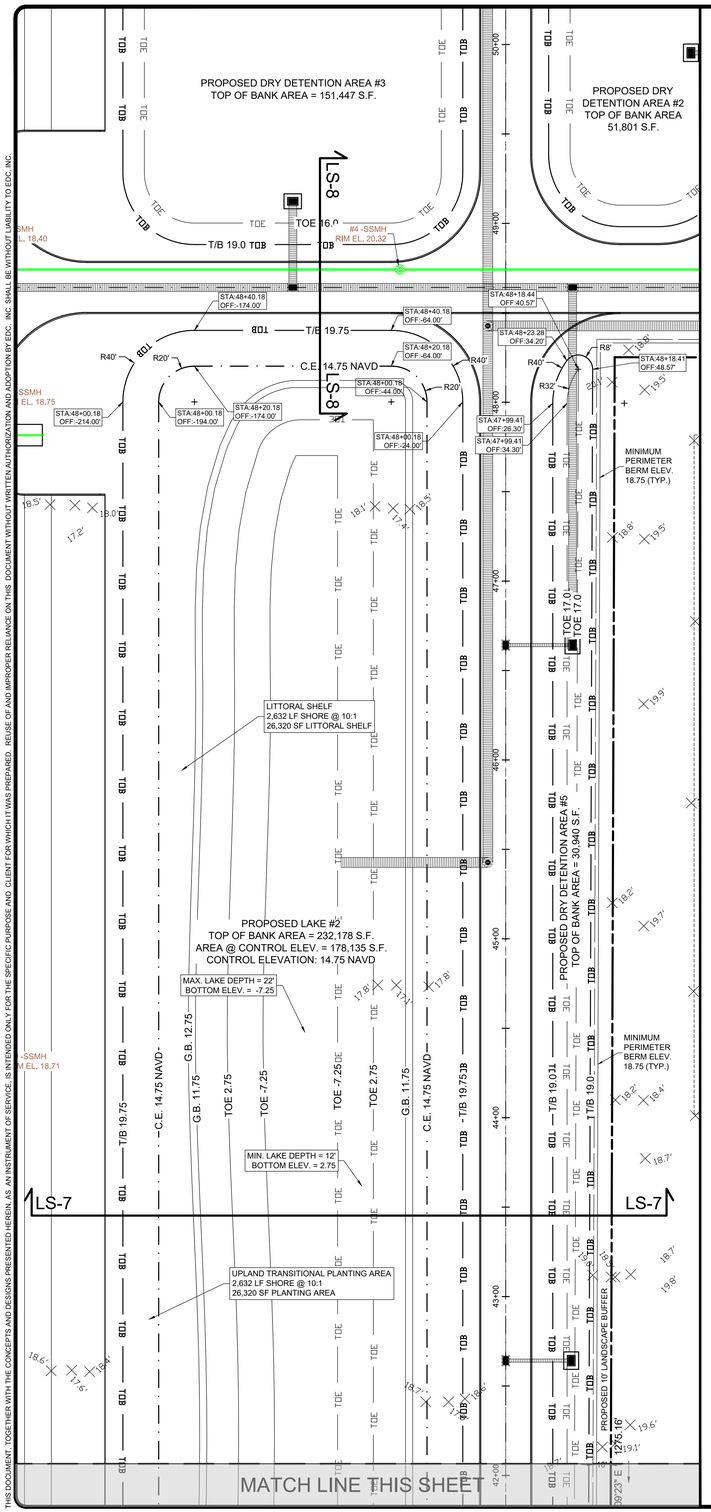

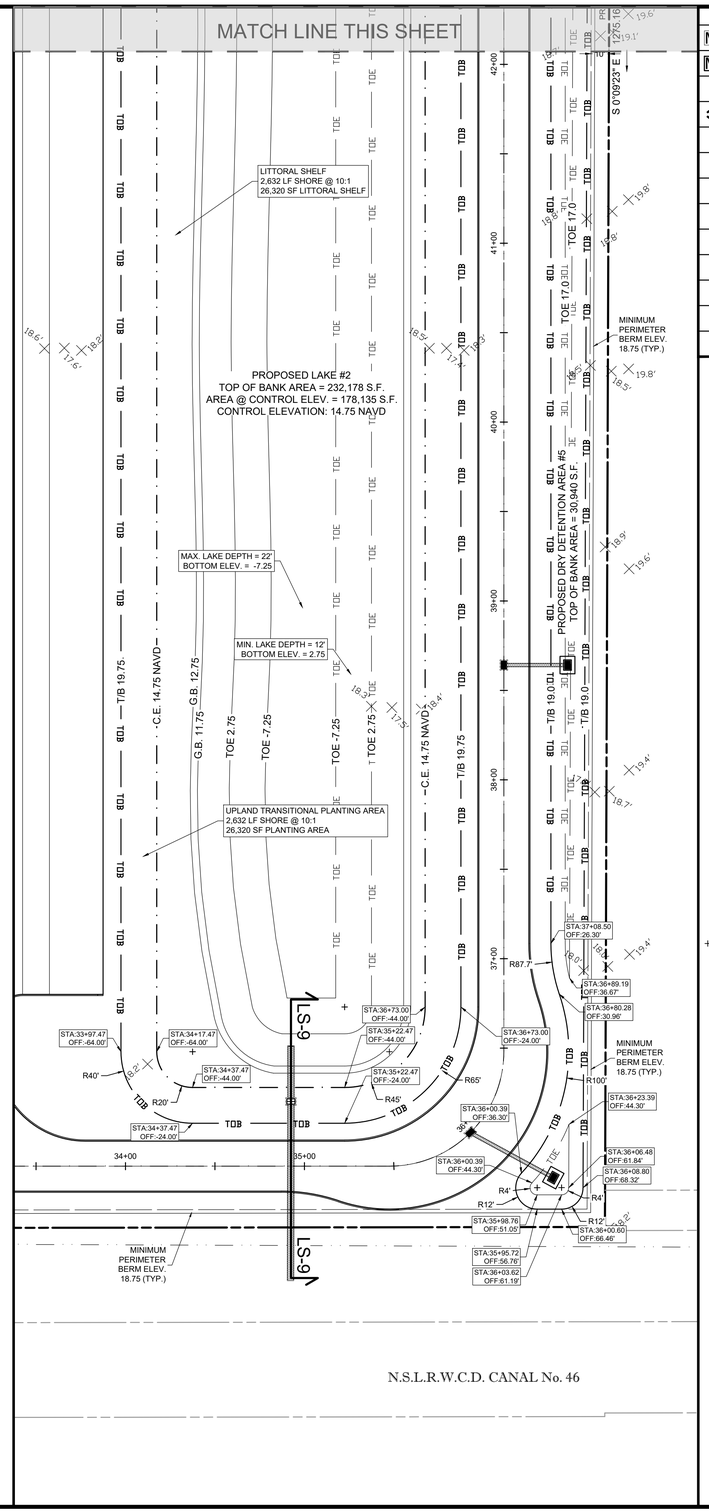

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE
			PROP. UPLAND TRANSITIONAL PLANTING AREA
			PROPOSED LITTORAL SHELF

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	DRAWN BY	FILENAME	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
07-21-2023	ADDED LAKE SECTION CONTOUR LINE PER CONTRACTORS REQUEST

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ST. LUCIE COUNTY FLORIDA

CONSTRUCTION PLANS FOR
LAKE #2 & DRY DETENTION AREA #5

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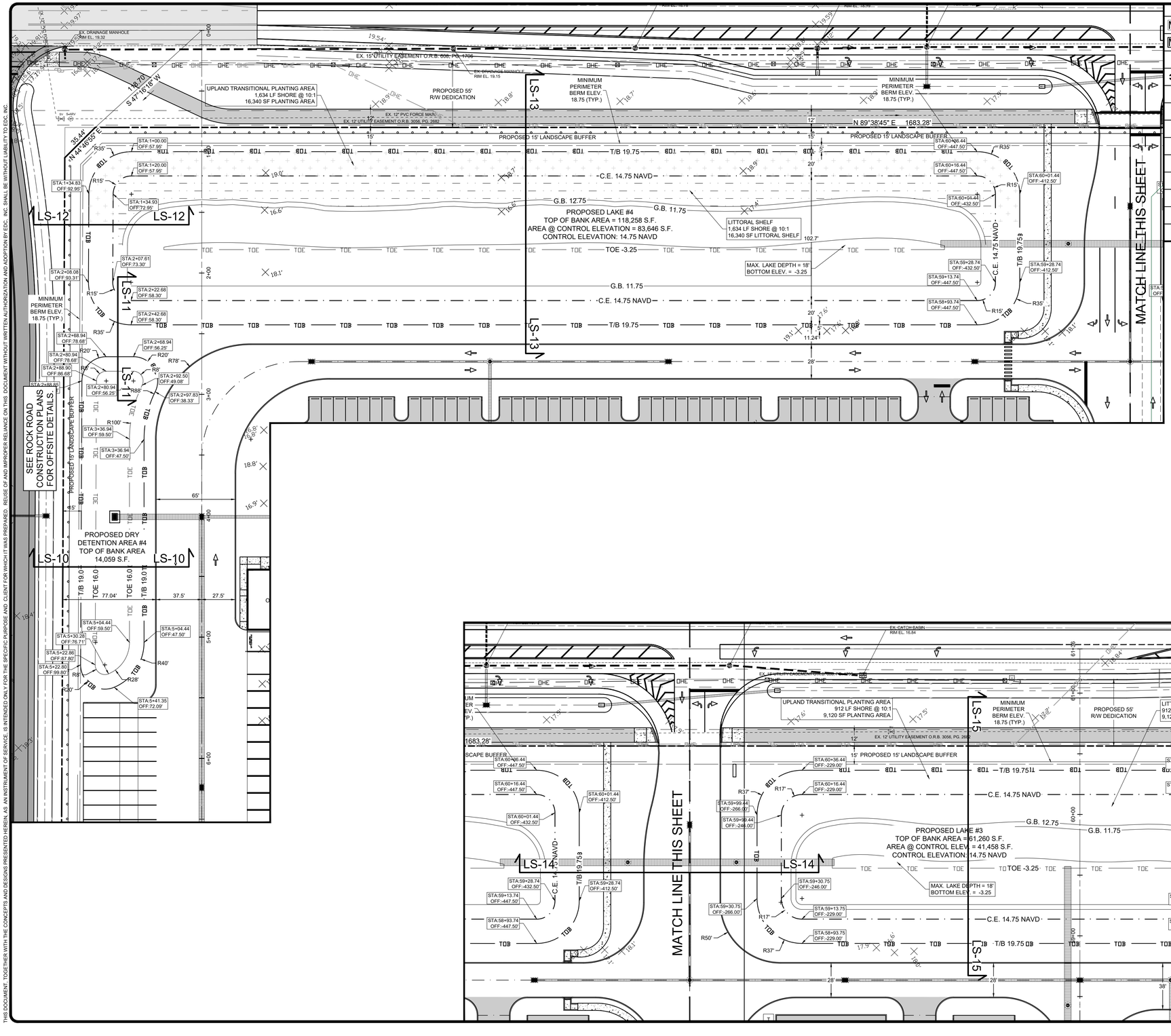

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE
			PROP. UPLAND TRANSITIONAL PLANTING AREA
			PROPOSED LITTORAL SHELF

(IN FEET)
1 inch = 40 ft.

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	8 - LAKE #3-#4 S3
SCALE	1" = 40'
DATE	24 MAY 2023
DATE	07-21-2023
REVISION COMMENTS	ADDED LAKE SECTION CONTOUR LINE PER CONTRACTORS REQUEST

SOUTH FLORIDA LOGISTICS CENTER 95
CONSTRUCTION PLANS FOR LAKES #3 & #4 & DRY DETENTION AREA #4
ST. LUCIE COUNTY FLORIDA

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PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA CONTROL ELEVATION: 14.75 NAVD
(CONTROL ELEVATION: 14.75 NAVD)

#1 -SSMH
RIM EL. 18.56

#4 -SSMH
RIM EL. 20.32

MINIMUM PERIMETER BERM ELEV 18.75 (TYP.)

C.E. 14.75 NAVD

LS-17 LS-18 LS-19 LS-20 LS-21 LS-8

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
—o—	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
(#)	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
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0 40
(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	9 - DDA #2-#3 S4	1" = 40'	24 MAY 2023

REVISION COMMENTS
DATE

SOUTH FLORIDA LOGISTICS CENTER 95
CONSTRUCTION PLANS FOR DRY DETENTION AREAS #2 & #3
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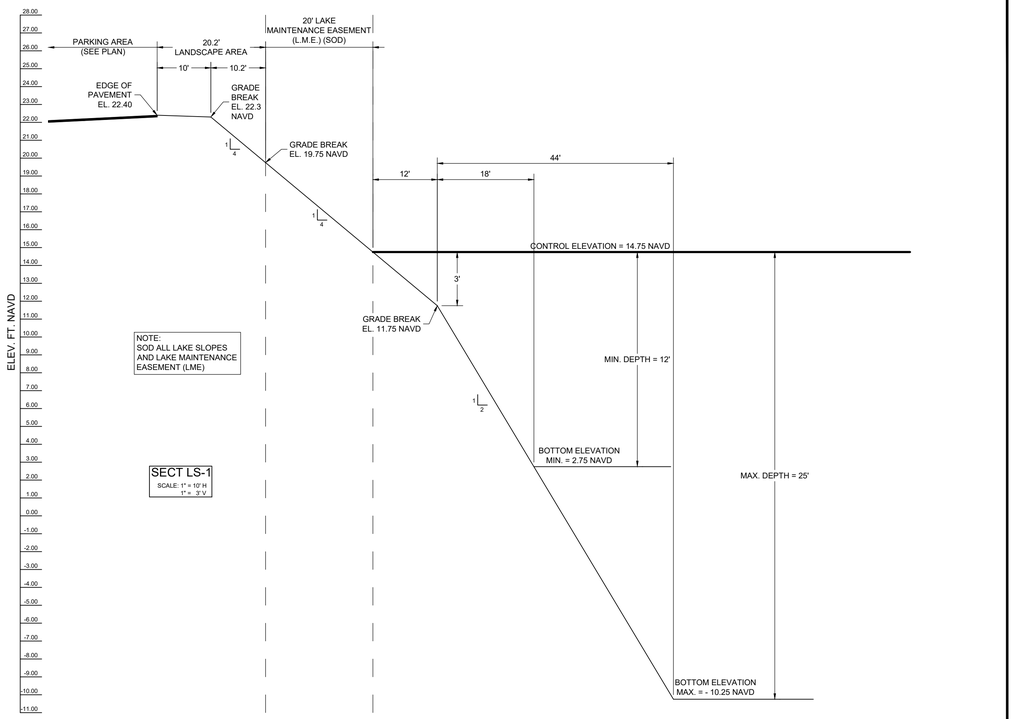

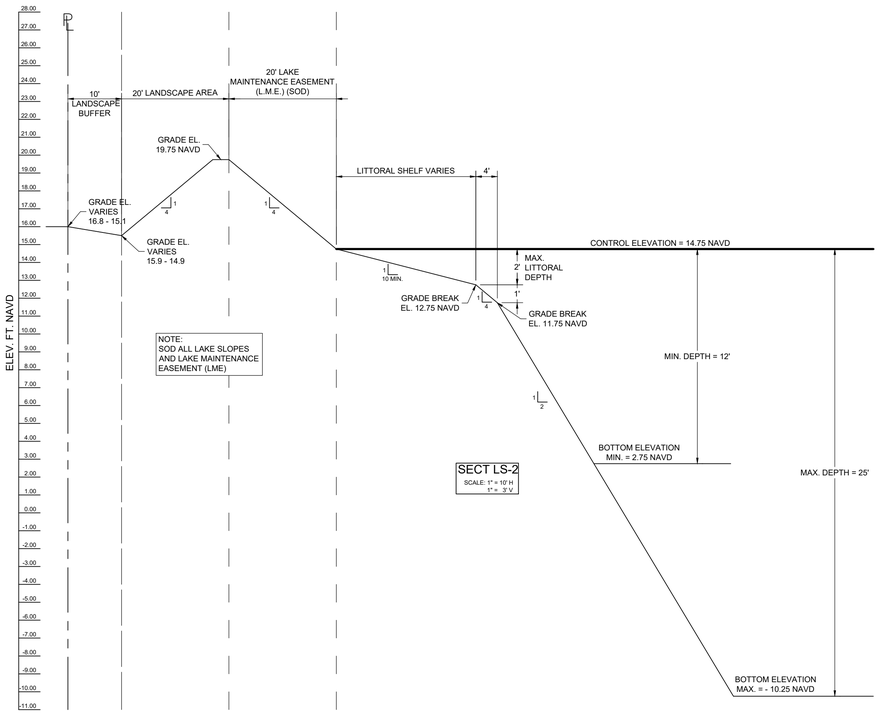

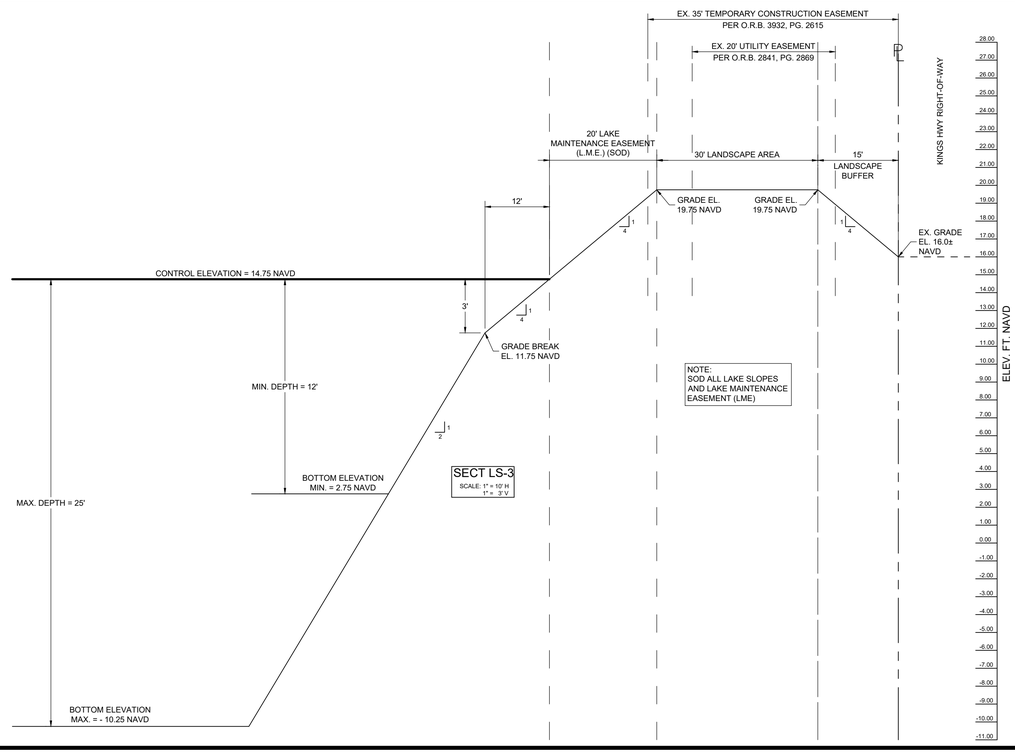

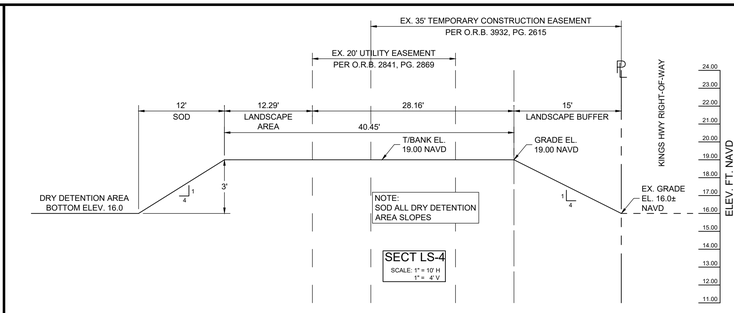

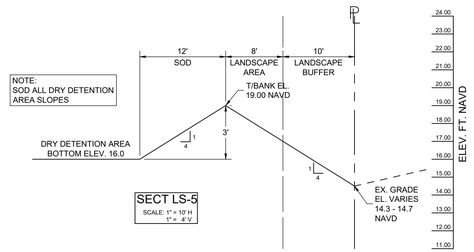

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DESIGNED BY	RWF
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FILENAME	21-210 (05-31-2023).dwg 10 - LAKE DETAILS S5
LAYOUT	
SCALE	AS SHOWN
DATE	24 MAY 2023

REVISION COMMENTS

DATE

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DRY DETENTION AREAS & LAKE SECTIONS

FLORIDA

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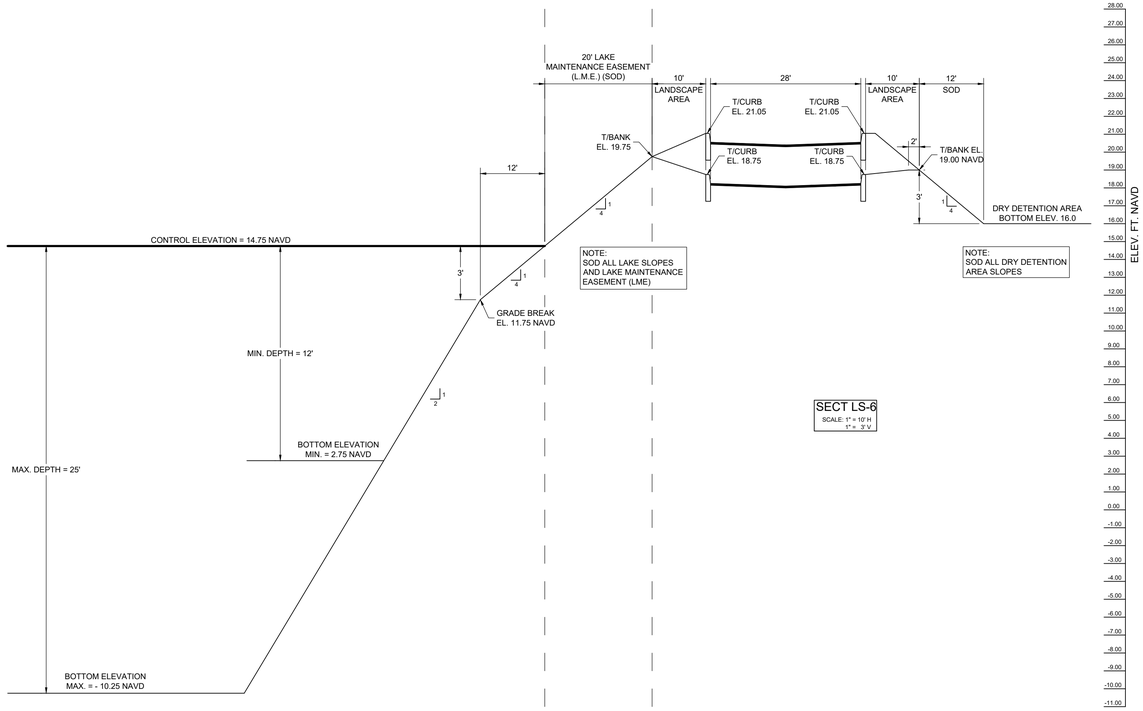

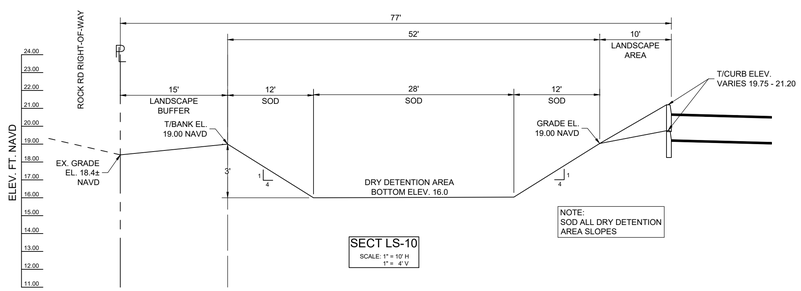

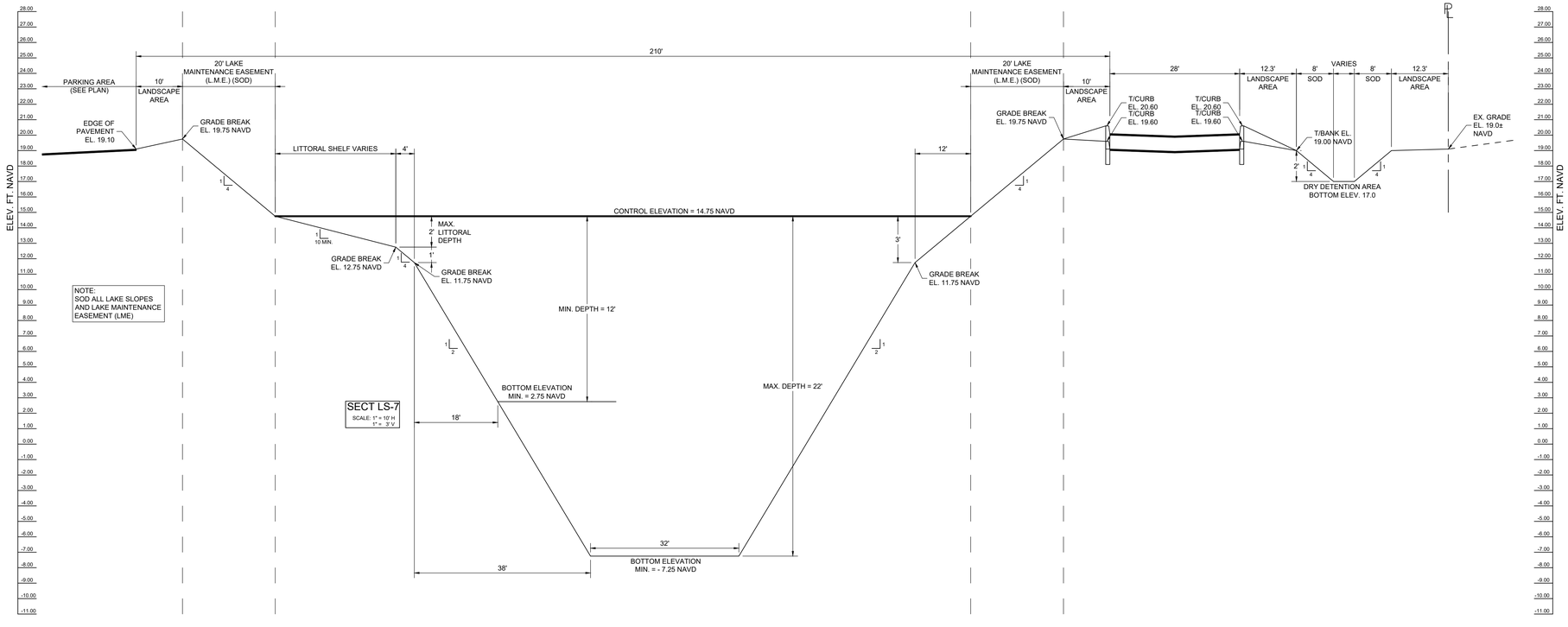

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RWF DESIGNED BY
RWF DRAWN BY
21-210 (05-31-2023).dwg FILENAME
11 - LAKE DETAILS S6 LAYOUT
AS SHOWN SCALE
24 MAY 2023 DATE

REVISION COMMENTS
DATE

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ST. LUCIE COUNTY FLORIDA

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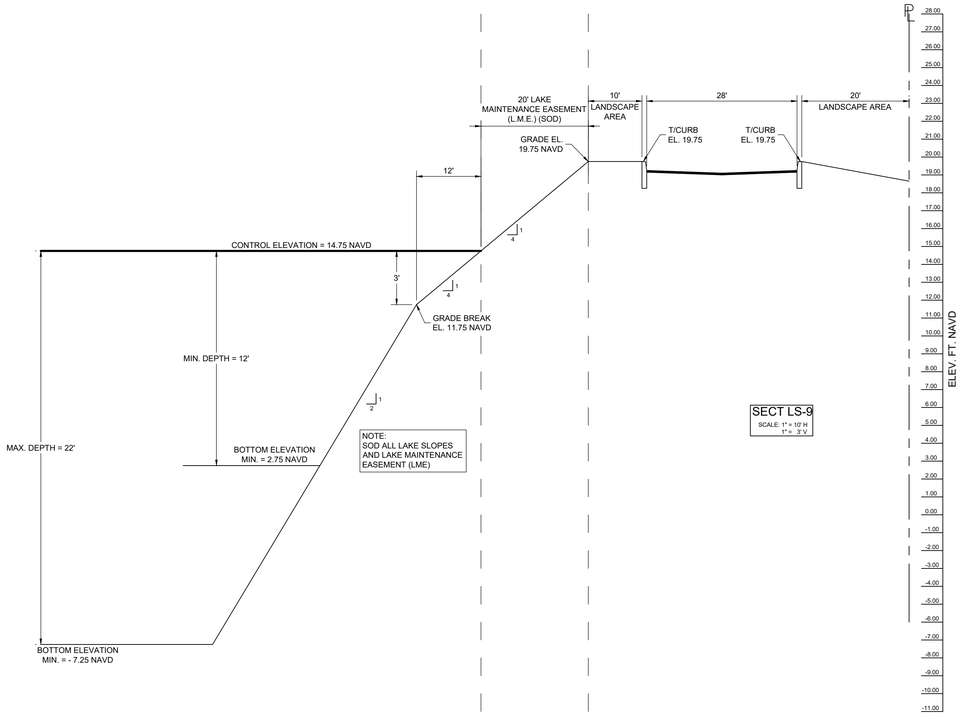
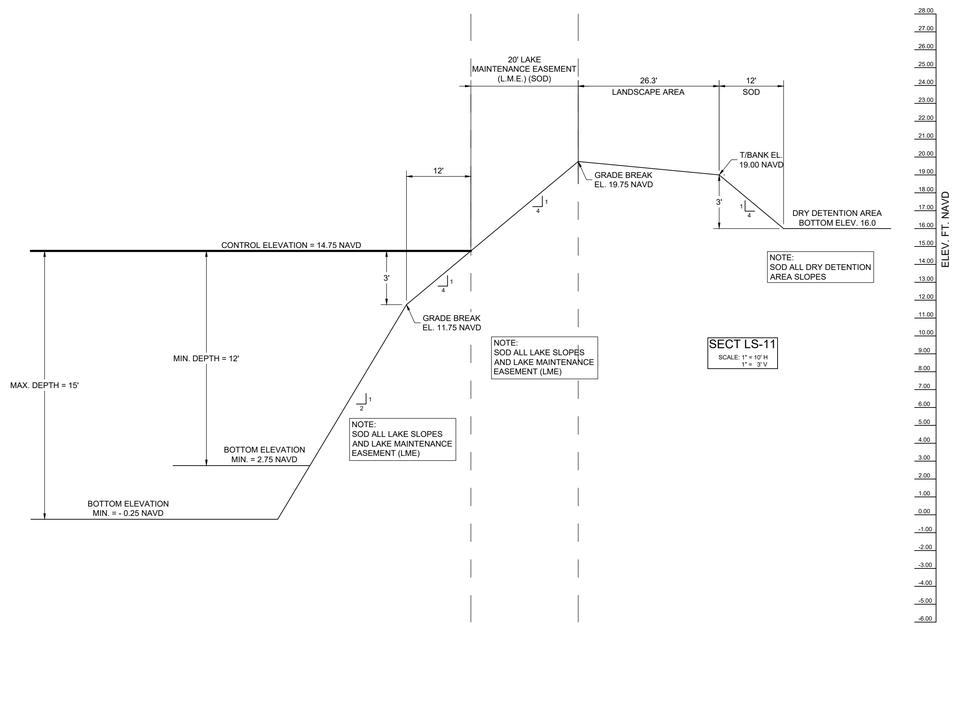
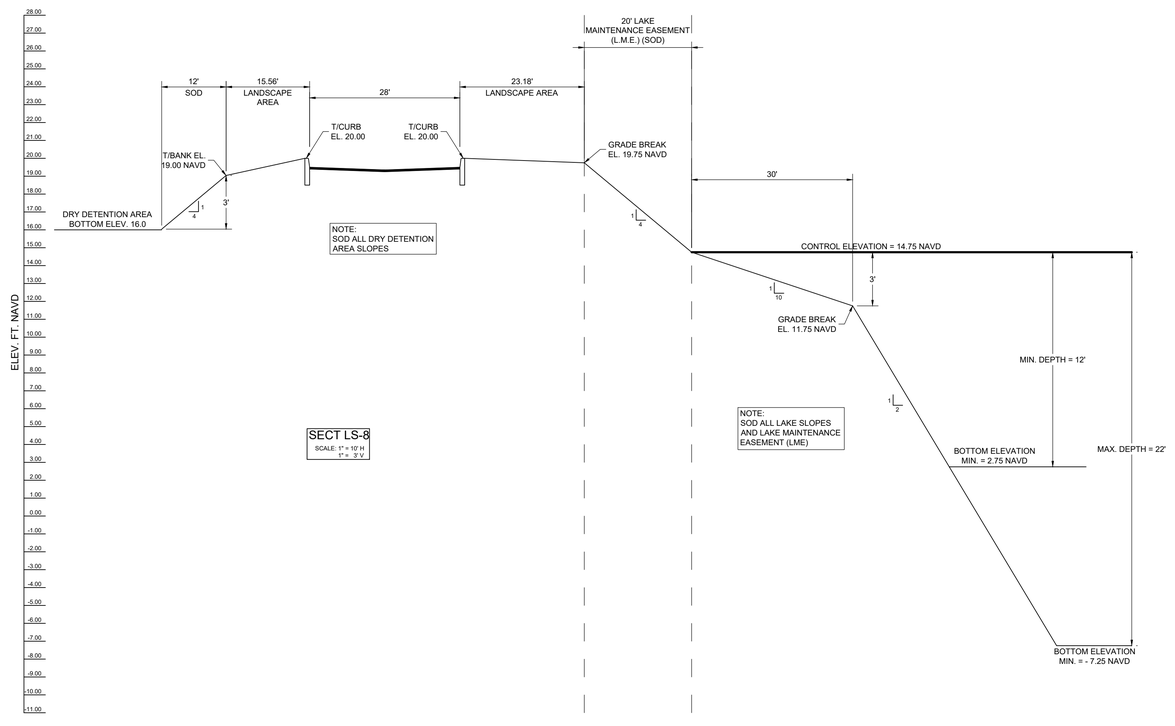


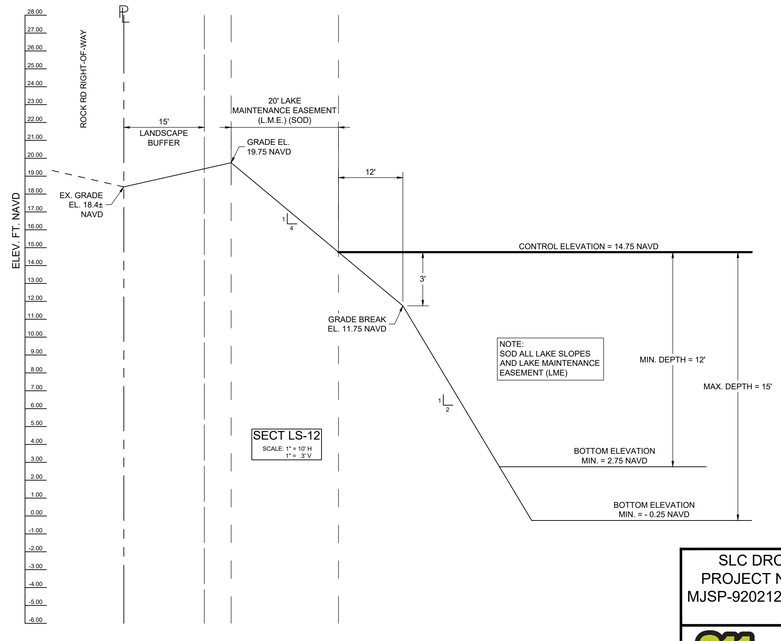
SECT LS-9
SCALE: 1" = 10' H
1" = 3' V



SECT LS-11
SCALE: 1" = 10' H
1" = 3' V



SECT LS-8
SCALE: 1" = 10' H
1" = 3' V



SECT LS-12
SCALE: 1" = 10' H
1" = 3' V

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	12 - LAKE DETAILS S7
SCALE	AS SHOWN
DATE	24 MAY 2023
REVISION COMMENTS	
DATE	

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DRY DETENTION AREAS
& LAKE SECTIONS
ST. LUCIE COUNTY FLORIDA

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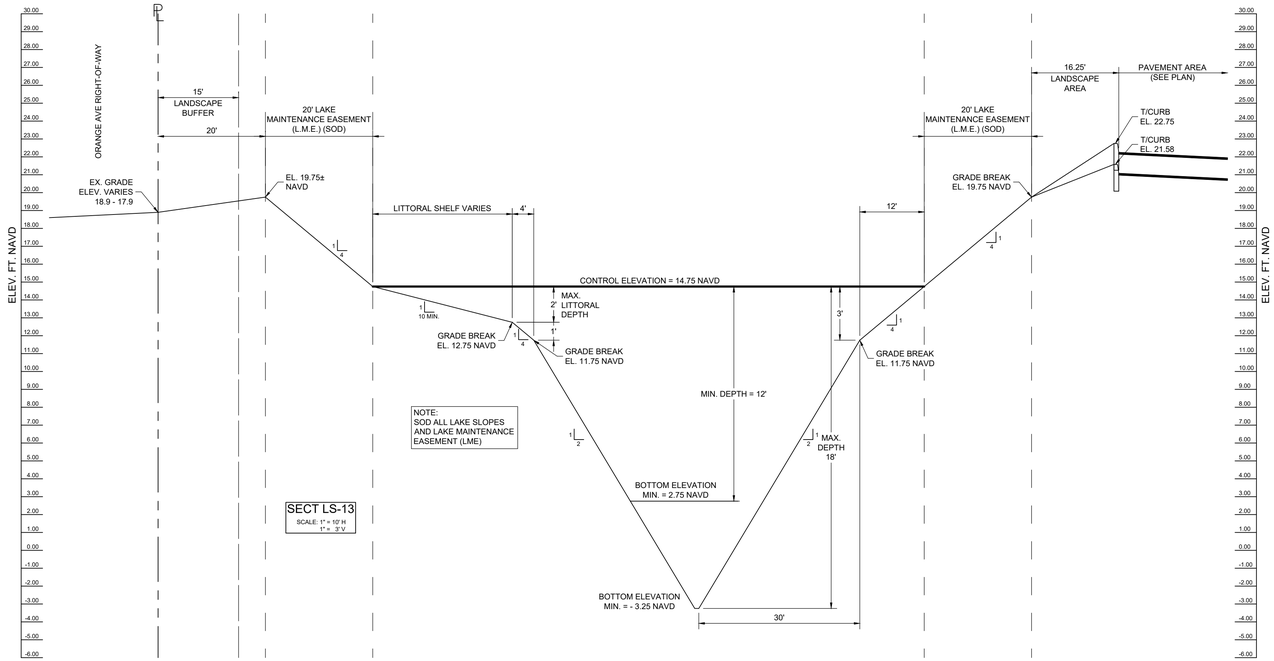

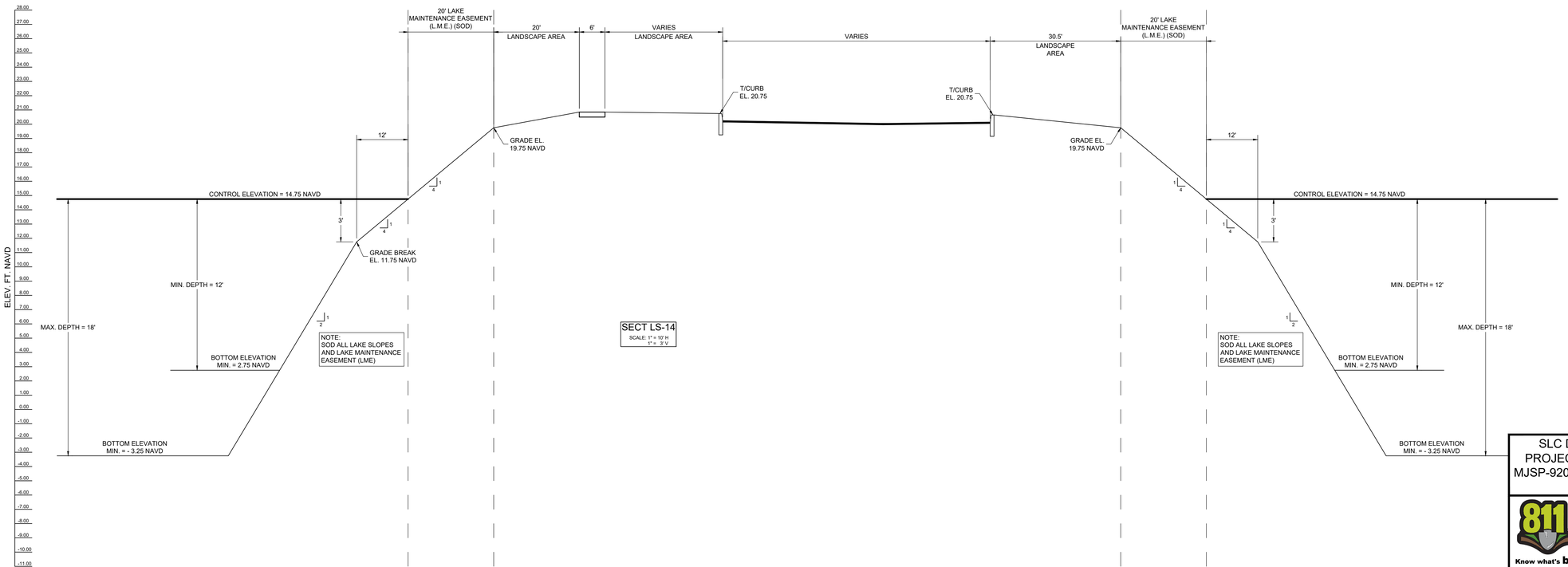

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	13 - LAKE DETAILS S8
SCALE	AS SHOWN
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA LOGISTICS CENTER 95
DRY DETENTION AREAS & LAKE SECTIONS

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

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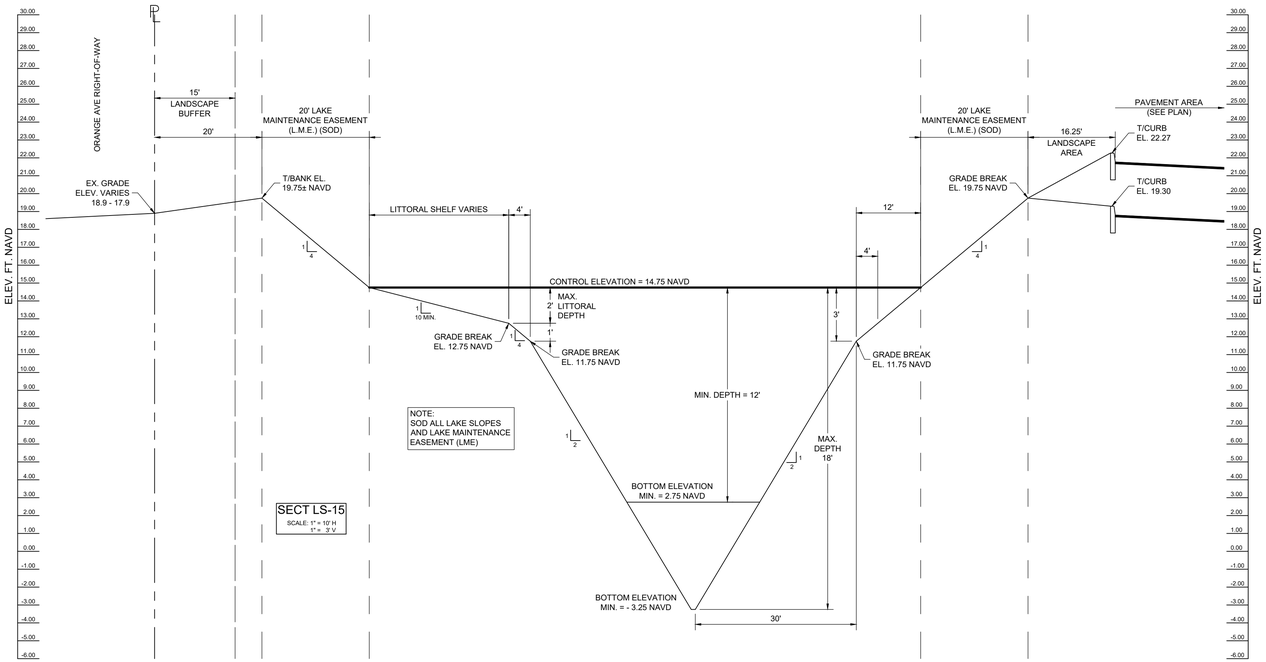
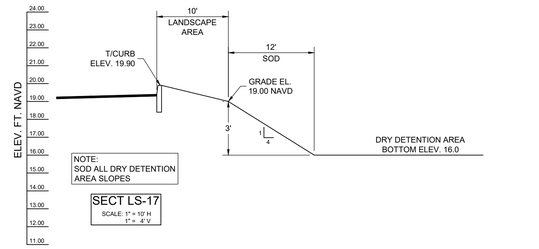
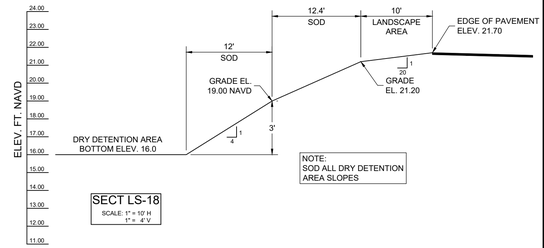


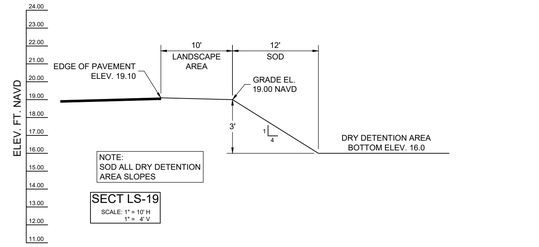
SECT LS-15
SCALE: 1" = 10' H
1" = 3' V



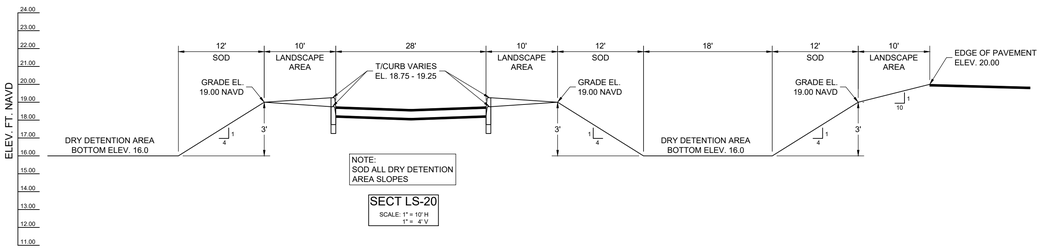
SECT LS-17
SCALE: 1" = 10' H
1" = 4' V



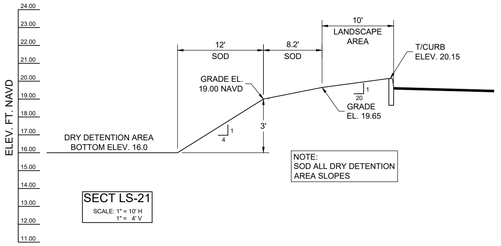
SECT LS-18
SCALE: 1" = 10' H
1" = 4' V



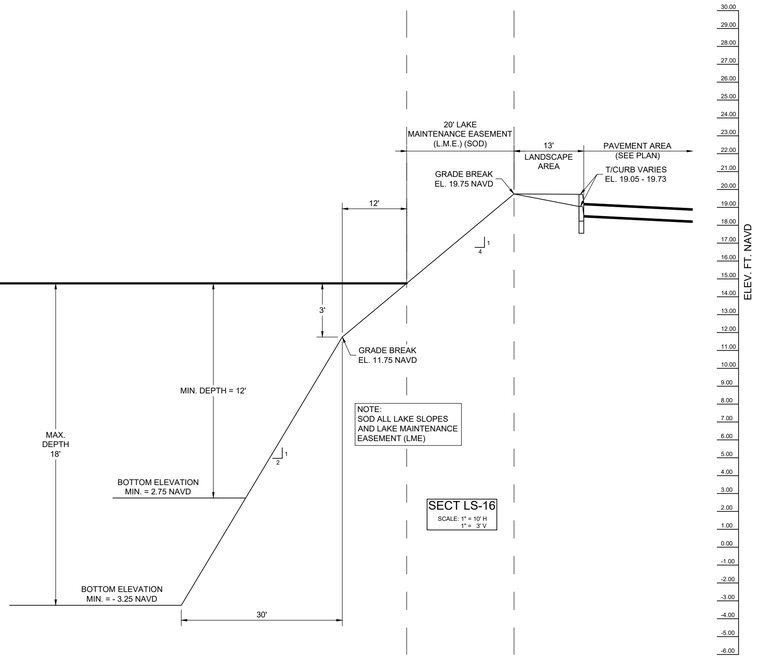
SECT LS-19
SCALE: 1" = 10' H
1" = 4' V



SECT LS-20
SCALE: 1" = 10' H
1" = 4' V



SECT LS-21
SCALE: 1" = 10' H
1" = 4' V



SECT LS-16
SCALE: 1" = 10' H
1" = 3' V

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PROJECT NO.
MJSP-9202126163

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L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	14 - LAKE DETAILS S9	AS SHOWN	24 MAY 2023

REVISION COMMENTS | DATE

SOUTH FLORIDA LOGISTICS CENTER 95
DRY DETENTION AREAS & LAKE SECTIONS
FLORIDA
ST. LUCIE COUNTY

DAVID C. BAGGETT, P.E.(DATE)
#81375
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21-210

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(IN FEET)
1 inch = 40 ft.

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

NOTE:
ALL CURBING IS TYPE 'D'
UNLESS NOTED OTHERWISE.

SEE ORANGE AVE.
CONSTRUCTION PLANS
FOR OFFSITE DETAILS.

SEE ROCK ROAD
CONSTRUCTION PLANS
FOR OFFSITE DETAILS.

MATCH LINE SHEET 19

MATCH LINE SHEET 16

PROPOSED 55' R/W DEDICATION

PROPOSED 15' LANDSCAPE BUFFER

PROPOSED LAKE #4
TOP OF BANK AREA = 118,258 S.F.
AREA @ CONTROL ELEVATION = 83,646 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY
DETENTION AREA #4
TOP OF BANK AREA
14,059 S.F.

MINIMUM
PERIMETER
BERM ELEV.
18.75 (TYP.)

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

FUTURE
OFFICE AREA

DETAIL 'A'
SCALE: 1" = 20'

DETAIL 'B'
SCALE: 1" = 20'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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DESIGNED BY: RWF
DRAWN BY: RWF
FILENAME: 21-210 (05-31-2023).dwg
LAYOUT: 15 - HC S1
SCALE: 1" = 40'
DATE: 24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 1

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
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SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

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MATCH LINE SHEET 15

MATCH LINE SHEET 17

MATCH LINE SHEET 20

MATCH LINE SHEET 20

STA:6+62.44 OFF:97.50'
STA:6+62.44 OFF:52.50'
STA:6+72.20 OFF:38.47'
STA:6+79.58 OFF:37.05'
60'
R50'
STA:7+14.37 OFF:115.71'
STA:7+22.44 OFF:88.48'
STA:7+22.44 OFF:87.14'
STA:7+46.44 OFF:115.86'
STA:7+46.44 OFF:0.00'
48'
STA:7+70.44 OFF:89.17'
STA:7+70.44 OFF:85.00'
R50'
STA:7+78.25 OFF:116.01'
52'
STA:8+01.87 OFF:38.57'
15'
STA:8+22.44 OFF:67.50'
STA:8+20.20 OFF:139.17'
STA:8+22.44 OFF:97.50'
STA:8+23.94 OFF:9.00'
R15'
STA:8+22.44 OFF:52.50'
30'
15'
90'
60'
PROPOSED 15' LANDSCAPE BUFFER
MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)
SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
STA:10+23.94 OFF:9.00'
STA:12+23.94 OFF:9.00'
STA:14+23.94 OFF:9.00'
N.0°04'54" W 2483.34'
570'
BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10
1,906.54'
STA:53+12.50 OFF:-321.50'
STA:51+12.50 OFF:-321.47'
STA:49+37.0 OFF:-284.0
STA:49+28.1 OFF:-284.0
STA:48+64.18 OFF:-321.50'
STA:48+00.9 OFF:-284.0
STA:47 OFF:-2
STA:47+65.6 OFF:-284.0
STA:47+63.0 OFF:-284.0
STA:47+12.50 OFF:-321.50'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
P	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40
(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	16 - HC S2
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISION COMMENTS
05-10-2023	RELOCATED DRIVEWAY PER SLC ENGINEERING

SOUTH FLORIDA LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 2

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

21-210

MATCH LINE SHEET 16

MATCH LINE SHEET 21

MATCH LINE SHEET 18

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED 15' LANDSCAPE BUFFER

15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00

30' 15' 90' 60' 570' 60' 90'

STA:16+23.94 OFF:-0.00'
STA:18+23.94 OFF:-0.00'
STA:20+23.94 OFF:-0.00'
STA:22+23.94 OFF:-0.00'

STA:45+12.50 OFF:-321.50'
STA:43+12.50 OFF:-321.50'
STA:41+12.50 OFF:-321.50'
STA:39+12.50 OFF:-321.50'

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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RWF — DRAWN BY
21-210 (05-31-2023).dwg — FILENAME
17 - HC S3 — LAYOUT
1" = 40' — SCALE
24 MAY 2023 — DATE

REVISION COMMENTS — DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 3

ST. LUCIE COUNTY — FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
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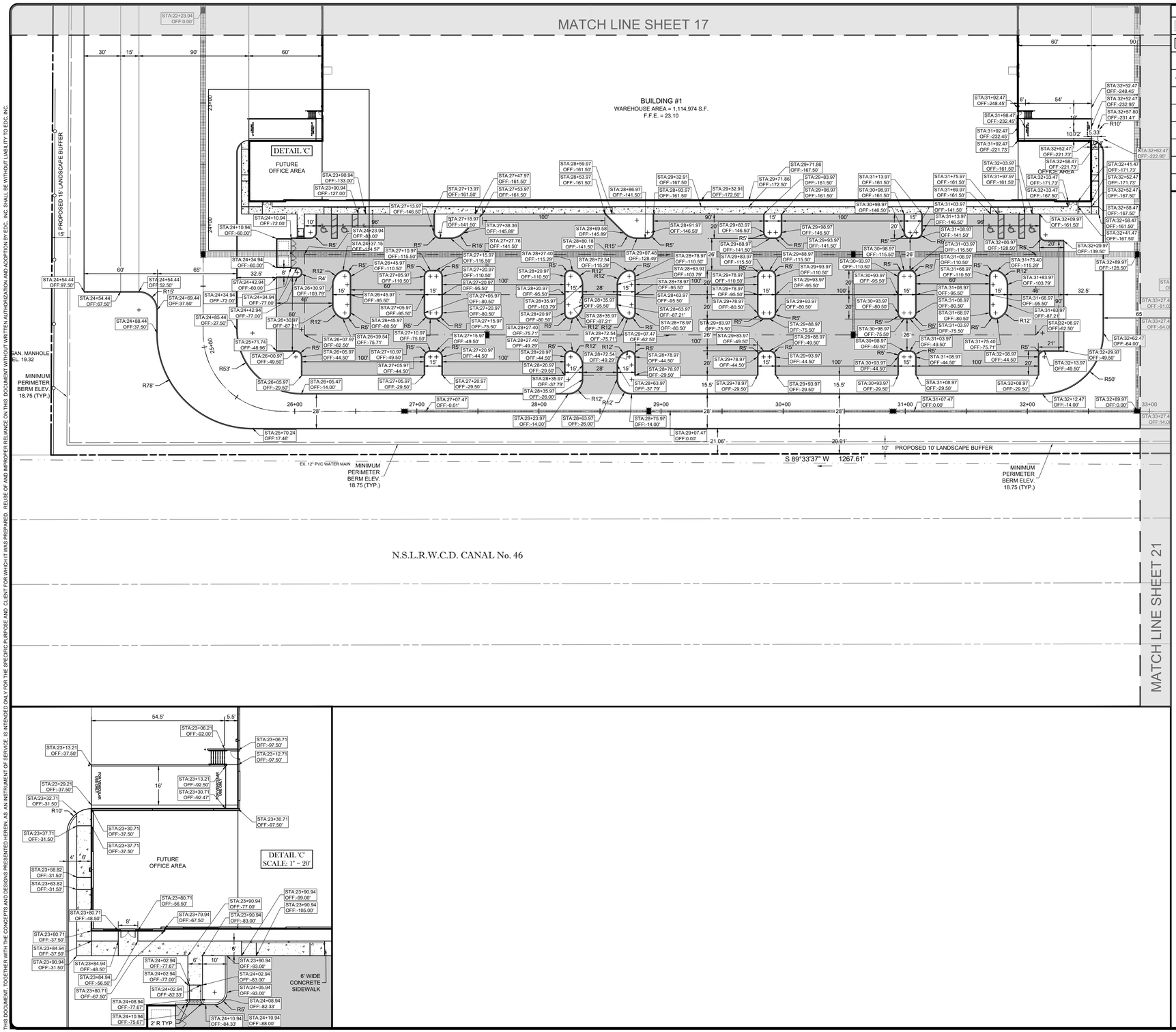

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	18 - HC S4
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS
DATE

SOUTH FLORIDA LOGISTICS CENTER 95
HORIZONTAL CONTROL PLAN - 4
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
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MATCH LINE SHEET 15

MATCH LINE SHEET 20

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

ORANGE AVE. (S.R. 68)
(160' ULTIMATE R/W)

EX. 12" PVC WATER MAIN

EX. DRAINAGE MANHOLE RIM EL. 16.59

EX. CATCH BASIN RIM EL. 16.84

EX. 12" UTILITY EASEMENT PER O.R.B. 3056, PG. 2682

EX. 12" FORCE MAIN

EX. 6" FIRE HYDRANT

STA. EQ. 61+36.44

STA. EQ. 60+56.44

STA. EQ. 100+00.00

STA. EQ. 100+86.50

15' PROPOSED 15' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED 55' R/W DEDICATION

PROPOSED LAKE #3
TOP OF BANK AREA = 61,260 S.F.
AREA @ CONTROL ELEV. = 41,458 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

FUTURE OFFICE AREA

DETAIL 'D'

DETAIL 'D'
SCALE: 1" = 20'

PROPOSED 10' LANDSCAPE BUFFER

S 0°13'53" E 629.99'

N 10°40'57" E 81.51'

S 42°28'03" E 44.95'

S 0°13'53" E 270.00'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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PROJECT NO.
MJSP-9202126163

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L.B. CERTIFICATE OF AUTHORIZATION 8098

RWF | DESIGNED BY
RWF | DRAWN BY
21-210 (05-31-2023).dwg | FILENAME
19 - HC 55 | LAYOUT
1" = 40' | SCALE
24 MAY 2023 | DATE

REVISION COMMENTS | DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 5

FLORIDA

ST. LUCIE COUNTY

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
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MATCH LINE SHEET 16

MATCH LINE SHEET 19

MATCH LINE SHEET 21

MATCH LINE SHEET 22

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

FUTURE
OFFICE AREA

MINIMUM
PERIMETER
BERM ELEV.
18.75 (TYP.)

EXISTING
BUILDING

EXISTING PAVEMENT

DETAIL 'E'
SCALE: 1" = 20'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
(8)	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	20 - HC 56
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

SOUTH FLORIDA LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 6

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
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MATCH LINE SHEET 20

MATCH LINE SHEET 17

MATCH LINE THIS SHEET

MATCH LINE SHEET 18

MATCH LINE THIS SHEET

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @ CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY DETENTION AREA #5
TOP OF BANK AREA = 30,940 S.F.

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED 10' LANDSCAPE BUFFER

N.S.L.R.W.C.D. CANAL No. 46

S 0°09'23" E 1275.16'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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FILENAME	21-210 (05-31-2023).dwg
LAYOUT	21 - HC S7
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

HORIZONTAL CONTROL PLAN - 7

FLORIDA

ST. LUCIE COUNTY

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MATCH LINE SHEET 20

N 89°38'45" E 821.05'

10' PROPOSED 10' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED LAKE #1
TOP OF BANK AREA = 317,955 S.F.
AREA @ CONTROL ELEV. = 273,431 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY DETENTION AREA #1
TOP OF BANK AREA = 43,587 S.F.

TOP/BANK 19.00
TOE 16.00

PROPOSED 15' LANDSCAPE BUFFER

KING'S HIGHWAY (S.R. 713)
(160' ULTIMATE R/W)

SEE KINGS HIGHWAY CONSTRUCTION PLANS FOR OFFSITE DETAILS.

EX. 30' TEMPORARY EASEMENT O.R.B. 3302, PG. 2915

EX. 20' UTILITY EASEMENT PER O.R.B. 2841, P.G. 2869

S 89°43'34" W 1358.17'

PROPOSED 10' LANDSCAPE BUFFER

LEGEND

M E	EXISTING METER
M E	PROPOSED METER
	PROPOSED SIGN
7	BLOCK NUMBER
	MITERED END SECTION
	HANDICAP STALL
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.
#	PARKING STALL TAG # OF STALLS
#	EX. OAK TREE TO REMAIN # - TREE TAG
#	EX. PALM TREE TO REMAIN # - TREE TAG
#	EX. PINE TREE # - TREE TAG
#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	EXISTING CONCRETE
	EXISTING PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED STANDARD ASPHALT
	PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40
(IN FEET)
1 inch = 40 ft.

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FILENAME	21-210 (05-31-2023).dwg
LAYOUT	22 - HC SB
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

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HORIZONTAL CONTROL PLAN - 8
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22 OF 61

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

MATCH LINE SHEET 27

MATCH LINE SHEET 24

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

PROPOSED DRY DETENTION AREA #4
TOP OF BANK AREA
14,059 S.F.

PROPOSED 15' LANDSCAPE BUFFER

PROPOSED LAKE #4
TOP OF BANK AREA = 118,258 S.F.
AREA @ CONTROL ELEVATION = 83,646 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED 55' R/W DEDICATION

PROPOSED 20' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

EX. 12" PVC FORCE MAIN

EX. 12" PVC WATER MAIN

EX. DRAINAGE MANHOLE RIM EL. 19.15

EX. DRAINAGE MANHOLE RIM EL. 18.78

EX. DRAINAGE MANHOLE RIM EL. 18.79

EX. 6" DIA. FIRE HYDRANT

EX. DRAINAGE MANHOLE COM EL. 19.32

EX. SAS MAN MARKER

N 89°38'45" E 1683.28'

N 44°46'55" E 35.44'

T/B 19.75

C.E. 14.75 NAVD

G.B. 12.75

G.B. 11.75

TOE -3.25

105 LF 60" CAP STORM @ 0.00%

END/PIPE INV. EL. 4.50

#57 - CB RIM EL. 19.15

#95 - JB RIM EL. 22.55

#59 - JB RIM EL. 22.00

#58 - CB RIM EL. 21.35

#38 - JB RIM EL. 22.10

#36 - CB RIM EL. 21.35

#37 -CB RIM EL. 21.35

#39 -CB RIM EL. 21.35

#35 - CB RIM EL. 21.35

#5 - CB RIM EL. 21.35

#4 -CB RIM EL. 20.35

#40 - BU RIM EL. 15.50

#7 - CB RIM EL. 19.80

#8 -CB RIM EL. 18.10

#6 - CB RIM EL. 21.35

#65 - CB RIM EL. 18.10

SA MH: 25'

SB MH: 25'

SE MH: 25'

147 L.F. INV. CR. @ 0.51%

147 LF 18" ADS HP STORM @ 0.00%

126 L.F. INV. CR. @ 0.52%

128 L.F. INV. CR. @ 0.51%

128 LF 18" ADS HP STORM @ 0.00%

62 LF 24" ADS HP STORM @ 0.00%

164 L.F. INV. CR @ 0.84%

72 LF 48" ADS HP STORM @ 0.00%

237 LF 24" ADS HP STORM @ 0.00%

66 LF 24" ADS HP STORM @ 0.00%

66 LF 18" ADS HP STORM @ 0.00%

223 LF 48" ADS HP STORM @ 0.00%

294 LF 24" ADS HP STORM @ 0.00%

234 LF 24" ADS HP STORM @ 0.00%

123 L.F. INV. CR @ 0.98%

100 L.F. INV. CR @ 0.5%

130 L.F. INV. CR @ 0.5%

33 L.F. INV. CR @ 0.52%

TRANSITION TO FLUSH (TYP.)

CONSTRUCT 2' WIDE x 2' DEEP ROCK APRON (W/57 STONE) LINE BOTTOM W/ FILTER FABRIC (TYP.)

CONSTRUCT 6' CONCRETE SIDEWALK
BACK EDGE OF SIDEWALK EL. 23.01
FRONT EDGE OF SIDEWALK EL. 22.90
CROSS SLOPE 1.8%

FUTURE OFFICE AREA

FUTURE OFFICE AREA
SEE DUMPSTER DETAIL 'A' FOR ELEVATIONS.

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

TYPICAL ELEVATED BUILDING SIDEWALK DETAIL "A"

LANDSCAPE AREA WIDTH MAY VARY SEE PLAN VIEW

6' SIDEWALK

HANDRAIL PER ADA

LANDSCAPING OR SOD

SEE PLAN VIEW PGD SHEETS FOR ELEVATIONS.

PROPOSED BUILDING

CONCRETE GRAVITY WALL OR STEM WALL (DESIGNED BY OTHERS)

DUMPSTER 'A'

DETAIL 'F'

DETAIL 'G'

DETAIL 'F'
SCALE: 1" = 20'

DETAIL 'G'
SCALE: 1" = 20'

CONSTRUCT 6' CONCRETE SIDEWALK
BACK EDGE OF SIDEWALK EL. 23.01
FRONT EDGE OF SIDEWALK EL. 22.90
CROSS SLOPE 1.8%

32.82 S.F.

FUTURE OFFICE AREA
SIDEWALK TO REQUIRE HANDRAILS ON BOTH SIDES

1.8% SLOPE AWAY FROM BUILDING

CONCRETE RAMP DESIGN BY OTHERS

55'

5'

0.52%

1.8% SLOPE AWAY FROM BUILDING

1.8% SLOPE

8.18%

5.92%

1.96%

8.78%

6.46%

(IN FEET)
1 inch = 40 ft.

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	23 - PGD S1	1" = 40'	24 MAY 2023

REVISION COMMENTS	DATE
MOVED MULTI-USE PATH 3' NORTH FOR RELOCATED POWER POLES PER ORANGE AVE. CONSTRUCTION PLANS	05-12-2023
REVISED GRADE ELEVATIONS FOR MULTI-USE PATH & DRIVEWAY PER ORANGE AVE. CONSTRUCTION PLANS	02-07-2023

SOUTH FLORIDA LOGISTICS CENTER 95
PGD PLAN - 1
ST. LUCIE COUNTY FLORIDA

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MATCH LINE SHEET 23

MATCH LINE SHEET 28

MATCH LINE SHEET 25

TRANSITION TO FLUSH (TYP.)

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

PROPOSED 15' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV 18.75 (TYP.)

N 0°04'54" W 2483.34'

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

ELEV. 19.10 IS @ BASE OF LOADING DOCK

200 LF 48" ADS HP STORM @ 0.00%

152 LF 48" ADS HP STORM @ 0.00%

76 LF INV. CR @ 0.66%

76 LF INV. CR @ 0.66%

124 LF INV. CR @ 0.4%

100 LF INV. CR @ 0.5%

100 LF INV. CR @ 0.5%

#9 -CB RIM EL. 18.10

#10 -CB RIM EL. 18.10

#11 -CB RIM EL. 18.10

#12 -CB RIM EL. 18.10

#67 - CB RIM EL. 18.10

#69 - CB RIM EL. 18.10

#26 - CB RIM EL. 18.10

#25 - CB RIM EL. 18.10

SA MH: 25'

SB MH: 25'

H.P. 18.60

H.P. 19.10

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

(IN FEET)
1 inch = 40 ft.

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

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DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	24 - PGD S2
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISION COMMENTS
15-10-2023	RELOCATED DRIVEWAY PER SLC ENGINEERING

SOUTH FLORIDA
LOGISTICS CENTER 95

PGD PLAN - 2

ST. LUCIE COUNTY FLORIDA

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MATCH LINE SHEET 24

MATCH LINE SHEET 29

MATCH LINE SHEET 26

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

PROPOSED 15' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

ELEV. 19.10 IS @ BASE OF LOADING DOCK

SA MH: 25'

SB MH: 25'

H.P. 18.60

200 LF 48" ADS HP STORM @ 0.00%

100 L.F. INV. CR @ 0.5%

#13 - CB RIM EL. 18.10

#14 - CB RIM EL. 18.10

#15 -CB RIM EL. 18.10

#16 -CB RIM EL. 18.10

#21 -CB RIM EL. 18.10

#22 -CB RIM EL. 18.10

#23 -CB RIM EL. 18.10

#24 - CB RIM EL. 18.10

19.10

0.51%

1.03%

15'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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DESIGNED BY: RWF
DRAWN BY: RWF
FILENAME: 21-210 (05-31-2023).dwg
LAYOUT: 25 - PGD S3
SCALE: 1" = 40'
DATE: 24 MAY 2023

REVISION COMMENTS

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SOUTH FLORIDA
LOGISTICS CENTER 95

PGD PLAN - 3

FLORIDA

ST. LUCIE COUNTY

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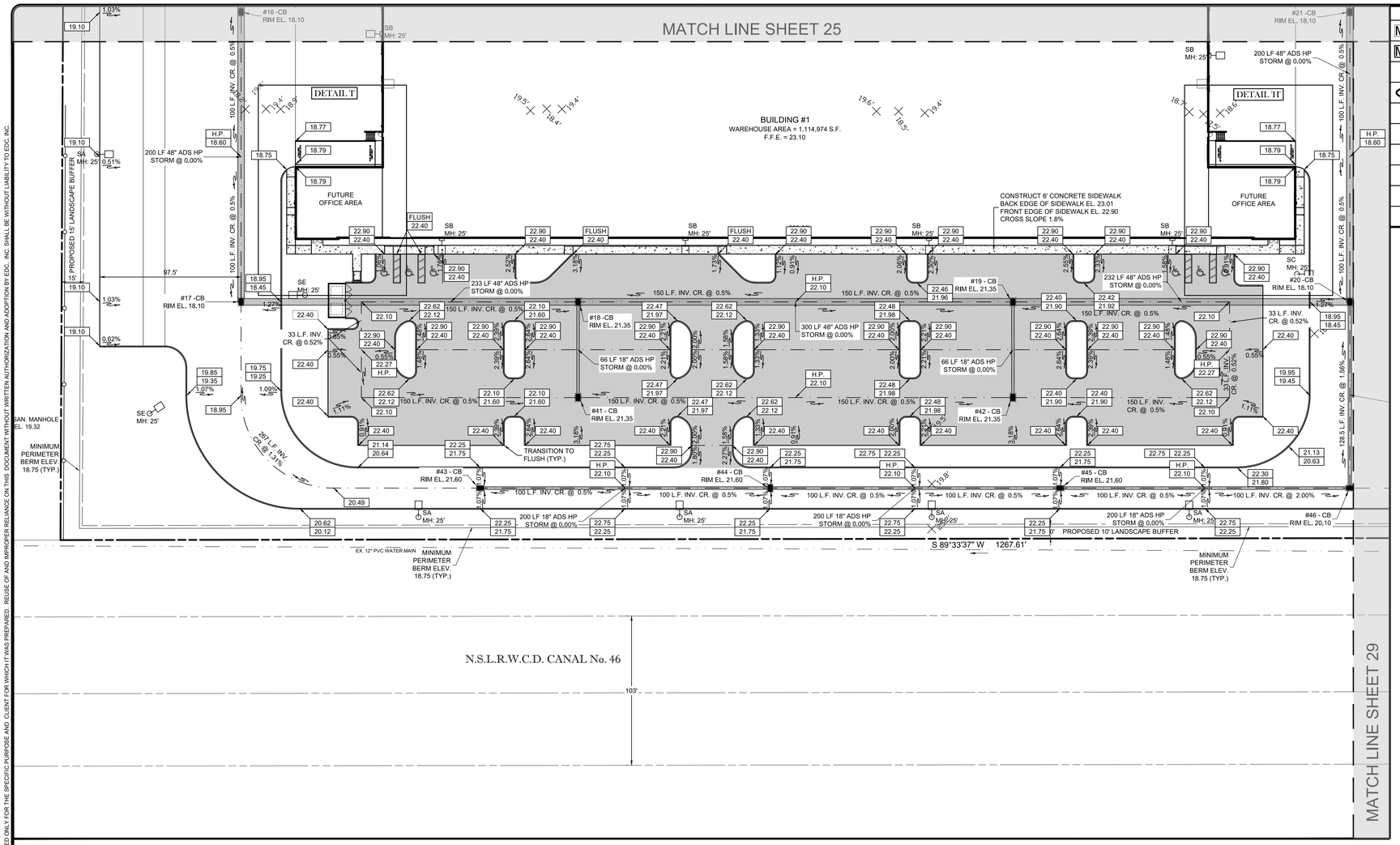
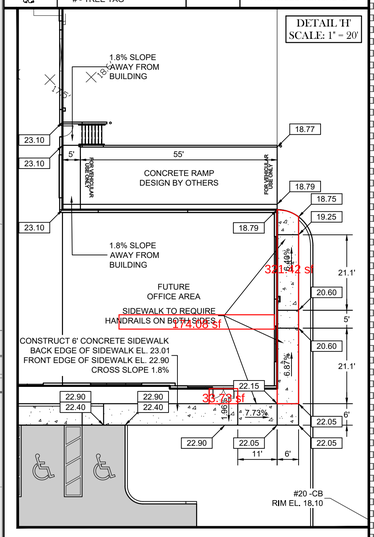
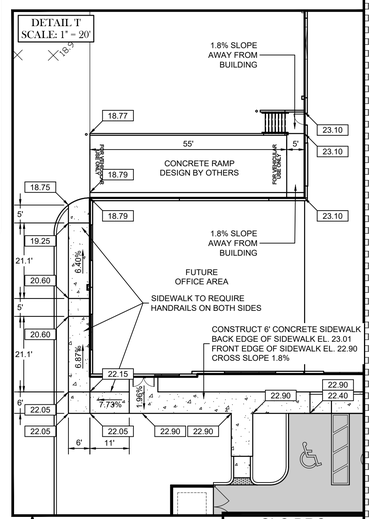


LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE





(IN FEET)
1 inch = 40 ft.

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

SLC DRC PROJECT NO. MJSP-9202126163

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	26 - PGD 54	1" = 40'	24 MAY 2023

REVISION COMMENTS — DATE

SOUTH FLORIDA LOGISTICS CENTER 95

PGD PLAN - 4

FLORIDA

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MATCH LINE SHEET 23

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

ORANGE AVE. (S.R. 68)
(160' ULTIMATE R/W)

EX. DRAINAGE MANHOLE RIM EL. 16.58

EX. CATCH BASIN RIM EL. 16.84

EX. 12" PVC WATER MAIN

EX. 6" FIRE HYDRANT

EX. 12' UTILITY EASEMENT, O.R.B. 3056, PG. 2682

EX. 12" FORCE MAIN

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED 55' R/W DEDICATION

15' PROPOSED 15' LANDSCAPE BUFFER

MATCH EX. EDGE OF PAVEMENT

S 67°42'58" E 64.95'

T/B 19.75

C.E. 14.75 NAVD

G.B. 12.75

G.B. 11.75

PROPOSED LAKE #3
TOP OF BANK AREA = 61,260 S.F.
AREA @ CONTROL ELEV. = 41,458 S.F.
CONTROL ELEVATION: 14.75 NAVD

TOE -3.25

89 LF 60" ADS HP STORM @ 0.00%

80 LF 60" CAP STORM @ 0.00%

END/PIPE INV. EL. 4.50

#95A - JB RIM EL. 23.45

114 LF 60" CAP STORM @ 0.00%

128 LF 18" ADS HP STORM @ 0.00%

#60 -CB RIM EL. 21.35

75 LF 24" ADS HP STORM @ 0.00%

93 LF 24" ADS HP STORM @ 0.00%

194 LF 24" ADS HP STORM @ 0.00%

194 L.F. INV. CR. @ 0.52%

128 L.F. INV. CR. @ 0.51%

75 L.F. INV. CR. @ 1.60%

93 L.F. INV. CR. @ 1.13%

#64 - CB RIM EL. 18.10

#62 - JB RIM EL. 19.15

#61 - CB RIM EL. 20.35

#96 - JB RIM EL. 20.17

#34 - CB RIM EL. 20.90

#33 - CB RIM EL. 20.90

89 L.F. INV. CR. @ 0.51%

33 L.F. INV. CR. @ 0.61%

66 LF 18" ADS HP STORM @ 0.00%

178 LF 24" ADS HP STORM @ 0.00%

#3 - CB RIM EL. 20.90

#2 - CB RIM EL. 20.90

83 LF 24" ADS HP STORM @ 0.00%

#63 - BU RIM EL. 15.50

67 LF 24" ADS HP STORM @ 0.00%

TRANSITION TO FLUSH (TYP.)

85 LF 24" ADS HP STORM @ 0.00%

#1 - BU RIM EL. 15.50

#71 - CB RIM EL. 18.10

#72 - BU RIM EL. 15.50

#73 - CB RIM EL. 18.10

123 LF 24" ADS HP STORM @ 0.00%

45 LF 24" ADS HP STORM @ 0.00%

CONSTRUCT 2' WIDE x 2' DEEP ROCK APRON (W/57 STONE) LINE BOTTOM W/ FILTER FABRIC (TYP)

500 LF 60" ADS HP STORM @ 0.00%

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

132 LF 24" ADS HP STORM @ 0.00%

#66 - BU RIM EL. 15.50

48 LF 24" ADS HP STORM @ 0.00%

#74 - BU RIM EL. 15.50

#75 - CB RIM EL. 18.10

#76 - BU

#77 - CB RIM EL. 18.10

MATCH LINE SHEET 28

DETAIL 'K'

246 LF 24" ADS HP STORM @ 0.00%

#51 - CB RIM EL. 20.10

116 L.F. INV. CR. @ 1.64%

130 L.F. INV. CR. @ 0.5%

116 LF. INV. CR. @ 1.29%

#52 - CB RIM EL. 21.35

47 LF 24" ADS HP STORM @ 0.00%

CONSTRUCT 6' CONCRETE SIDEWALK FRONT & BACK EDGE ELEV. VARIES CROSS SLOPE 1.8%

FUTURE OFFICE AREA

DETAIL 'J'

#53 - JB RIM EL. 21.90

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

150 LF. INV. CR. @ 0.5%

265 LF 24" ADS HP STORM @ 0.00%

TRANSITION TO FLUSH (TYP.)

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

ELEV. 19.10 IS @ BASE OF LOADING DOCK

300 LF 24" ADS HP STORM @ 0.00%

#54 - CB RIM EL. 21.35

#55 - CB RIM EL. 21.35

PROPOSED 10' LANDSCAPE BUFFER

629.99'

S 01°13'53" E

DETAIL 'J'
SCALE: 1" = 20'

6' LANDING TO REQUIRE HANDRAILS (AS SHOWN)

DETAIL 'K'
SCALE: 1" = 20'

CONSTRUCT 6' CONCRETE SIDEWALK FRONT & BACK EDGE ELEV.'S VARIES CROSS SLOPE 1.8%

CONCRETE RAMP DESIGN BY OTHERS

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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DESIGNED BY	DRAWN BY	FILENAME	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg 27 - PGD 55	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
05-12-2023	MOVED MULTI-USE PATH 3' NORTH FOR RELOCATED POWER POLES PER ORANGE AVE. CONSTRUCTION PLANS.
02-07-2023	REVISED GRADE ELEVATIONS FOR MULTI-USE PATH & DRIVEWAY PER ORANGE AVE. CONSTRUCTION PLANS.

SOUTH FLORIDA LOGISTICS CENTER 95

PGD PLAN - 5

FLORIDA

ST. LUCIE COUNTY

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#81375

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SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

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MATCH LINE SHEET 24

MATCH LINE SHEET 27

MATCH LINE SHEET 22

MATCH LINE SHEET 29

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @ CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

FUTURE
OFFICE AREA

C.E. 14.75 NAVD

ELEV. 19.10 IS
@ BASE OF
LOADING DOCK

CONSTRUCT 2' WIDE x
2' DEEP ROCK APRON
(W/57 STONE) LINE
BOTTOM W/ FILTER
FABRIC (TYP)

TRANSITION TO
FLUSH (TYP.)

TRANSITION TO
FLUSH (TYP.)

DETAIL 'L'

DETAIL 'L'
SCALE: 1" = 20'

CONCRETE RAMP
DESIGN BY OTHERS

CONSTRUCT 6'
CONCRETE SIDEWALK
FRONT & BACK EDGE
ELEV.'S VARIES
CROSS SLOPE 1.8%

MINIMUM
PERIMETER
BERM ELEV.
18.75 (TYP.)

EXISTING
BUILDING

EXISTING PAVEMENT

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG.
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D'
UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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DESIGNED BY: RWF
DRAWN BY: RWF
FILENAME: 21-210 (05-31-2023).dwg
LAYOUT: 28 - PGD 56
SCALE: 1" = 40'
DATE: 24 MAY 2023

REVISION COMMENTS | DATE

SOUTH FLORIDA LOGISTICS CENTER 95

PGD PLAN - 6

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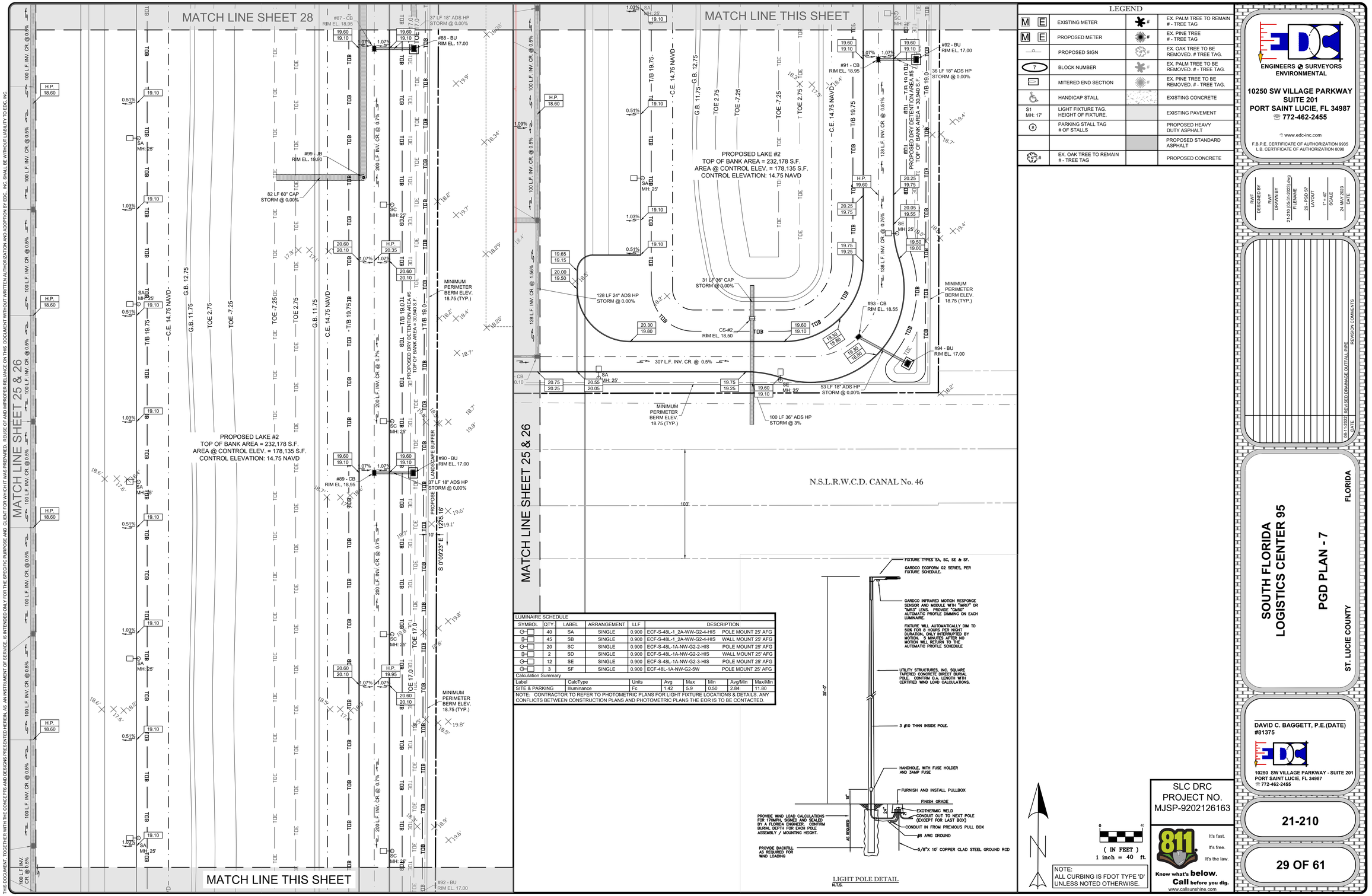

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

LUMINAIRE SCHEDULE

SYMBOL	QTY.	LABEL	ARRANGEMENT	LLF	DESCRIPTION
	40	SA	SINGLE	0.900	ECF-S-48L-1_2A-WW-G2-4-HIS POLE MOUNT 25' AFG
	45	SB	SINGLE	0.900	ECF-S-48L-1_2A-NW-G2-4-HIS WALL MOUNT 25' AFG
	20	SC	SINGLE	0.900	ECF-S-48L-1A-NW-G2-2-HIS POLE MOUNT 25' AFG
	2	SD	SINGLE	0.900	ECF-S-48L-1A-NW-G2-2-HIS WALL MOUNT 25' AFG
	12	SE	SINGLE	0.900	ECF-S-48L-1A-NW-G2-3-HIS POLE MOUNT 25' AFG
	3	SF	SINGLE	0.900	ECF-48L-1A-NW-G2-5W POLE MOUNT 25' AFG

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE & PARKING	Illuminance	Fc	1.42	5.9	0.50	2.84	11.80

NOTE: CONTRACTOR TO REFER TO PHOTOMETRIC PLANS FOR LIGHT FIXTURE LOCATIONS & DETAILS. ANY CONFLICTS BETWEEN CONSTRUCTION PLANS AND PHOTOMETRIC PLANS THE EOR IS TO BE CONTACTED.

LIGHT POLE DETAIL
N.T.S.

NOTE:
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(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	29 - PGD 57
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISION COMMENTS
08-11-2023	REVISED DRAINAGE OUTFALL PIPE

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PGD PLAN - 7
ST. LUCIE COUNTY FLORIDA

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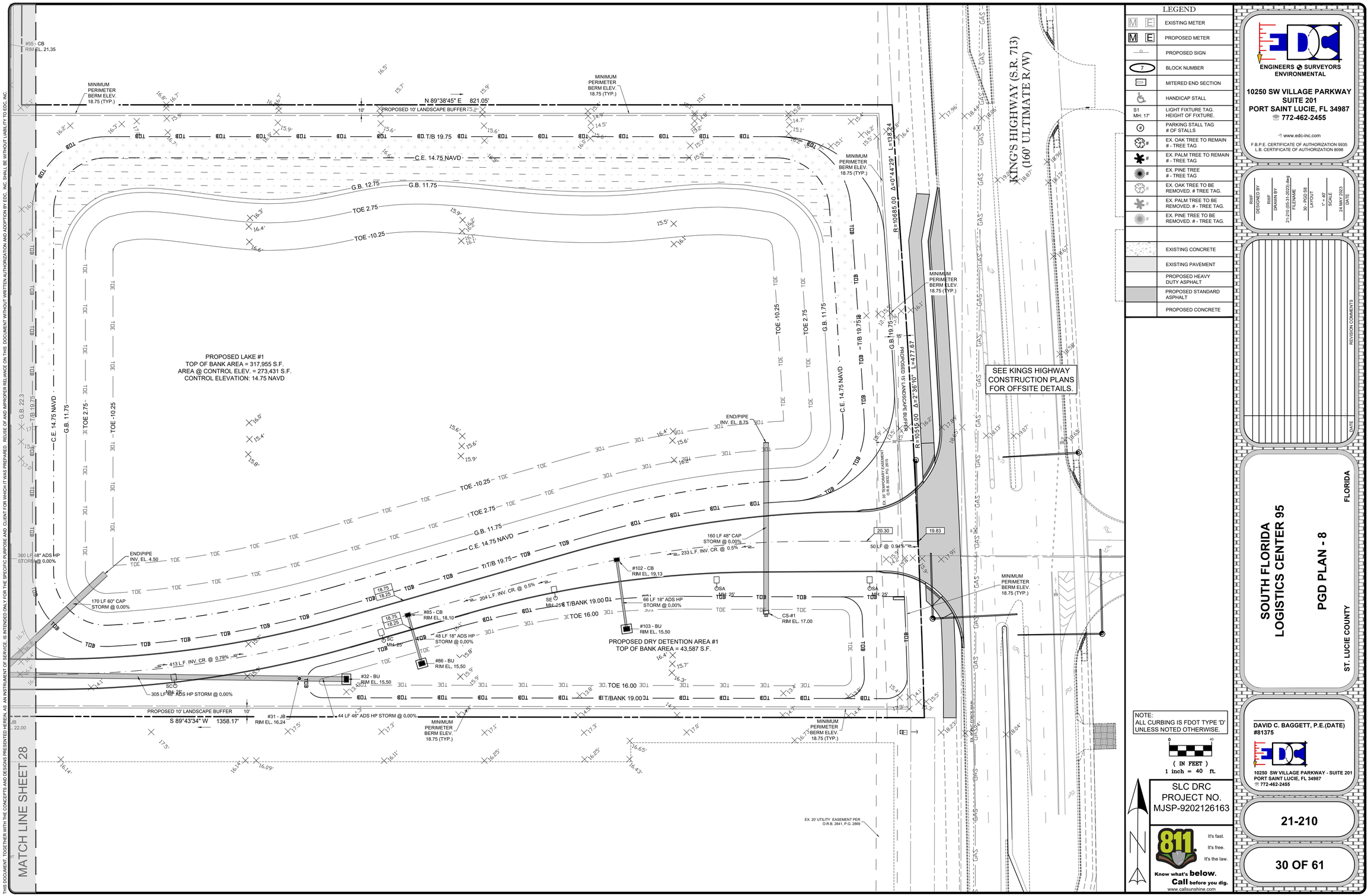

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LEGEND

M E	EXISTING METER
M E	PROPOSED METER
	PROPOSED SIGN
7	BLOCK NUMBER
	MITERED END SECTION
	HANDICAP STALL
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.
#	PARKING STALL TAG # OF STALLS
#	EX. OAK TREE TO REMAIN # - TREE TAG
#	EX. PALM TREE TO REMAIN # - TREE TAG
#	EX. PINE TREE # - TREE TAG
#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	EXISTING CONCRETE
	EXISTING PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED STANDARD ASPHALT
	PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40

(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	30 - PGD 58
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA LOGISTICS CENTER 95

PGD PLAN - 8

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PGD PLAN SHEET 23

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#4 -CB	USF 6286			E	57+35.50	-321.50	20.35	14.00 (E)	14.00 (W)	13.00
#5 - CB	USF 6286			E	4+00.94	-531.50	21.35	17.50 (N) 14.00 (E)	14.00 (W)	13.00
#6 - CB	USF 6286			E	4+00.94	-237.50	21.35	14.00 (N) 14.00 (E)	14.00 (W)	13.00
#7 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	4+00.94	0.00	19.80	9.50 (W) 14.00 (E)	11.00 (S)	8.50
#8 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	6+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#35 - CB	USF 6286			E	3+34.94	-531.51	21.35		17.50 (S)	16.50
#36 - CB	USF 6286			E	2+72.94	-90.50	21.35		16.00 (E)	15.00
#37 -CB	USF 6286			E	2+72.95	-384.50	21.35		16.00 (W)	15.00
#38 - JB	USF 170-E			4' Ø MANHOLE	102+72.95	1373.68	22.10	16.00 (E) 16.00 (W)	15.00 (S)	14.00
#39 -CB	USF 6286			E	3+34.94	-237.50	21.35	15.00 (N)	14.00 (S)	13.00
#40 - BU	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	4+00.94	71.67	15.50		9.50 (E)	8.50
#57 - CB	USF 6286			E	59+91.51	-321.50	19.15		16.50 (S)	15.50
#58 - CB	USF 6286			E	58+63.50	-449.50	21.35		16.50 (E)	15.50
#59 - JB	USF 170-E			4' Ø MANHOLE	102+72.94	846.18	22.00	16.50 (N) 16.50 (W)	16.50 (E)	15.50
#65 - CB	USF 6286			E	55+12.50	-321.50	18.10		11.50 (E)	10.50
#95 - JB	USF 170-E			8' Ø MANHOLE	101+75.86	897.18	22.55	4.50 (W)	4.50 (E)	3.50

PGD PLAN SHEET 24

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#9 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	8+23.94	0.00	18.10	11.00 (N)	11.50 (S)	10.00
#10 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	10+23.94	0.00	18.10	11.50 (N)	11.00 (S)	10.00
#11 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	12+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#12 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	14+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#25 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	47+12.50	-321.50	18.10	11.00 (S)	10.50 (N)	9.50
#26 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	48+64.18	-321.50	18.10	11.00 (E) 10.50 (S)		9.50
#67 - CB	USF 6286			E	53+12.50	-321.50	18.10		7.50 (E)	6.50
#69 - CB	USF 6286			E	51+12.50	-321.47	18.10		12.50 (E)	11.50

PGD PLAN SHEET 25

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#13 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	16+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#14 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	18+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#15 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	20+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#16 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	22+23.94	0.00	18.10	11.00 (N)	11.00 (S)	10.00
#21 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	39+12.50	-321.50	18.10	11.00 (S)	11.00 (N)	10.00
#22 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	41+12.50	-321.50	18.10	11.00 (S)	7.00 (N)	6.00
#23 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	43+12.50	-321.50	18.10	7.00 (S)	11.00 (N)	6.00
#24 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	45+12.50	-321.50	18.10	11.00 (S)	11.00 (N)	10.00

PGD PLAN SHEET 26

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#17 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	24+23.94	0.00	18.10	11.00 (N)	10.50 (E)	9.50
#18 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	27+57.47	-128.50	21.35	10.50 (W) 16.50 (S)	11.50 (E)	9.50
#19 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	30+57.48	-128.50	21.35	16.50 (S) 11.50 (W)	10.50 (E)	9.50
#20 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	32+89.97	-128.50	18.10	13.50 (S) 10.50 (W)	11.00 (N)	9.50
#41 - CB	USF 6286			E	27+57.47	-62.50	21.35		16.50 (N)	15.50
#42 - CB	USF 6286			E	30+57.48	-62.50	21.35		16.50 (N)	15.50
#43 - CB	USF 6286			E	26+89.97	0.00	21.60		16.50 (E)	15.50
#44 - CB	USF 6286			E	28+89.97	0.00	21.60	16.50 (W)	16.50 (E)	15.50
#45 - CB	USF 6286			E	30+89.97	0.00	21.60	16.50 (W)	14.50 (E)	13.50
#46 - CB	USF 6286			E	32+89.97	0.00	20.10	14.50 (W)	13.50 (N)	12.50

PGD PLAN SHEET 27

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#1 - BU	USF 6300			E	104+85.75	584.68	15.50	11.50 (N)		10.50
#2 - CB	USF 6286			E	57+35.50	-60.00	20.90	15.00 (N) 14.00 (W)	11.50 (S)	10.50
#3 - CB	USF 6286			E	57+35.50	-238.00	20.90	15.00 (N)	14.00 (E) 14.00 (W)	13.00
#33 - CB	USF 6286			E	58+01.50	-60.00	20.90		15.00 (S)	14.00
#34 - CB	USF 6286			E	58+01.50	-238.00	20.90		15.00 (S)	14.00
#51 - CB	USF 6286			E	101+07.67	293.25	20.10		15.00 (E)	14.00
#52 - CB	USF 6286			E	101+07.67	47.25	21.35	15.00 (W)	15.00 (E)	14.00
#53 - JB	USF 170-E			4' Ø MANHOLE	101+07.67	0.00	21.90	15.00 (W)	15.00 (S)	14.00
#54 - CB	USF 6286			E	103+72.26	0.00	21.35	15.00 (N)	15.00 (S)	14.00
#60 -CB	USF 6286			E	58+63.50	-193.50	21.35	16.50 (W)	15.00 (E)	14.00
#61 - CB	USF 6286			E	102+72.94	524.68	20.35	15.00 (W)	15.00 (E)	14.00
#62 - JB	USF 170-E			4' Ø MANHOLE	102+72.94	449.84	19.15	15.00 (W) 11.50 (E)	11.50 (S)	10.50
#63 - BU	USF 6300			E	103+39.44	449.84	15.50	11.50 (N)		10.50
#64 - CB	USF 6286			E	102+72.94	356.50	18.10		11.50 (W)	10.50
#66 - BU	USF 6300			E	55+12.50	-189.76	15.50	11.50 (W)		10.50
#71 - CB	USF 6286			E	56+63.50	0.00	18.10		11.50 (E)	10.50
#72 - BU	USF 6300			E	56+63.50	44.84	15.50	11.50 (W) 11.50 (E)		10.50
#73 - CB	USF 6286			E	56+63.50	168.18	18.10		11.50 (W)	10.50
#95A - JB	USF 170-E			8' Ø MANHOLE	101+75.86	807.68	23.45	4.50 (W)	4.50 (E)	3.50
#96 - JB	USF 170-E			8' Ø MANHOLE	58+42.68	-9.99	20.17		4.50 (N) 4.50 (S)	3.50

PGD PLAN SHEET 29

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#87 - CB	USF 6286			E	46+64.18	0.00	18.95	12.50 (E)		11.50
#88 - BU	USF 6300	E	B	6', TYPE 'J', ALT. 'B'	46+64.18	37.36	17.00	11.25 (N)	12.50 (W)	10.25
#89 - CB	USF 6286			E	42+64.18	0.00	18.95		12.50 (E)	11.50
#90 - BU	USF 6300			E	42+64.18	36.60	17.00	12.50 (W)		11.50
#91 - CB	USF 6286			E	38+64.18	0.00	18.95		12.50 (E)	11.50
#92 - BU	USF 6300			E	38+64.18	35.58	17.00	12.50 (W)		11.50
#93 - CB	USF 6286			E	35+97.73	0.00	18.55		12.50 (SE)	11.50
#94 - BU	USF 6300			E	36+06.07	51.56	17.00	12.50 (NW)		11.50
#96 - JB	USF 170-E			8' Ø MANHOLE	58+42.68	-9.99	19.90	4.50 (N)	4.50 (W)	3.50
CS-#2	USF 6300			MODIFIED E	112+74.40	1409.41	18.50	9.75 (N)	12.50 (S)	8.25

PGD PLAN SHEET 28

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#27 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	48+64.18	-119.00	19.35	11.50 (E) 4.50 (N)	11.00 (W)	3.50
#28 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	48+64.18	37.36	20.15		9.00 (E) 11.25 (S) 11.50 (W)	8.00
#29 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	48+64.18	168.18	19.50	9.00 (W) 13.50 (N)	9.25 (E)	8.00
#30 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	112+66.89	10.36	21.35	14.00 (N) 9.25 (W)	11.50 (E)	8.25
#47 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	49+12.35	-119.00	15.50		4.50 (S)	3.50
#48 - BU	USF 6300			E	49+95.34	103.52	15.50		11.50 (E)	10.50
#49 - CB	USF 6286			E	50+63.50	168.18	18.10		13.00 (S)	12.00
#50 - CB	USF 6286			E	49+95.34	168.18	18.75	13.00 (N) 11.50 (W)	13.50 (S)	10.50
#55 - CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	106+72.26	0.00	21.35	15.00 (N)	14.00 (S)	13.00
#56 -CB	USF 6286	E	B	6', TYPE 'J', ALT. 'B'	109+72.26	0.00	21.35	14.00 (N)	14.00 (S)	13.00
#68 - BU	USF 6300			E	53+12.50	-189.80	15.50	7.50 (W)		6.50
#70 - BU	USF 6300			E	51+12.50	-189.83	15.50	12.50 (W)		11.50
#74 - BU	USF 6300			E	54+63.50	-48.17	15.50	11.50 (E)		10.50
#75 - CB	USF 6286			E	54+63.50	0.00	18.10		11.50 (E) 11.50 (W)	10.50
#76 - BU	USF 6300			E	54+63.50	44.84	15.50	11.50 (W) 11.50 (E)		10.50
#77 - CB	USF 6286			E	54+63.50	168.18	18.10		11.50 (W)	10.50
#78 - BU	USF 6300			E	52+63.50	-48.17	15.50	11.50 (E)		10.50
#79 - CB	USF 6286			E	52+63.50	0.00	18.10		11.50 (E) 11.50 (W)	10.50
#80 - BU	USF 6300			E	52+63.50	44.84	15.50	11.50 (W) 11.50 (E)		10.50
#81 - CB	USF 6286			E	52+63.50	168.18	18.10		11.50 (W)	10.50
#82 - BU	USF 6300			E	50+63.50	-48.17	15.50	11.50 (E)		10.50
#83 - CB	USF 6286			E	50+63.50	0.00	18.10		11.50 (E) 11.50 (W)	10.50
#84 - BU	USF 6300			E	50+63.50	44.84	15.50	11.50 (W)		10.50
#97 - JB	USF 170-E			8' Ø MANHOLE	53+42.68	-10.33	18.60	4.50 (S) 4.50 (N)		3.50
#98 - JB	USF 170-E			8' Ø MANHOLE	48+42.68	-9.99	20.30	4.50 (E)	4.50 (S) 4.50 (N)	3.50
#100 - JB	USF 170-E			8' Ø MANHOLE	48+42.68	256.22	20.60	4.50 (E)	4.50 (W)	3.50
#101 - JB	USF 170-E			8' Ø MANHOLE	48+42.68	522.44	22.00	4.50 (NE)	4.50 (W)	3.50

PGD PLAN SHEET 30

STORM SEWER INLET TABLE

Structure Name	GRATE TYPE	RISER SIZE	RISER TYPE	BOTTOM OR STRUCTURE TYPE	STATION	OFFSET	RIM	IN INV:	OUT INV:	BOTTOM ELEV.
#31 - JB	USF 170-E			6' Ø MANHOLE	48+60.15	829.68	16.24	11.50 (W)	9.50 (E)	8.50
#32 - BU	USF 6300	E	B	6', TYPE 'J', ALT. 'B'	116+10.79	4.61	15.50	9.50 (W)		8.50
#85 - CB	USF 6286			E	116+68.87	-56.00	18.10		12.00 (S)	11.00
#86 - BU	USF 6300			E	116+82.02	-10.18	15.50	12.00 (N)		11.00
#102 - CB	USF 6286			E	118+65.84	-108.06	19.13		12.00 (S)	11.00
#103 - BU	USF 6300			E	118+75.10	-42.76	15.50	12.00 (N)		11.00
CS-#1	USF 6300	E	B	6', TYPE 'J', ALT. 'B'	120+06.68	-58.57	17.00	8.75 (N)		7.75

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Z:\EDC-2021\21-210 - SFG Stonemont - 103-Acre Kings Highway\ENGINEERING\AutoCAD\DWGs\21-210 (05-31-2023).dwg, 31 - STRUCTURE TABLE, 5/31/2023 5:27:19 PM, Bob Frost, EDC, Inc., EDC, Inc.

ENGINEERS ✪ SURVEYORS
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SUITE 201
PORT SAINT LUCIE, FL 34987
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RWF — DESIGNED BY
RWF — DRAWN BY
21-210 (05-31-2023).dwg — FILENAME
31 - STRUCTURE TABLE — LAYOUT
1" = 40' — SCALE
24 MAY 2023 — DATE
05-17-2022 — DATE — REVISED CS-2 PIPE INVERTS — REVISION COMMENTS

SOUTH FLORIDA
LOGISTICS CENTER 95

PGD STRUCTURE TABLE

ST. LUCIE COUNTY — FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
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PROJECT NO.
MJSP-9202126163

21-210

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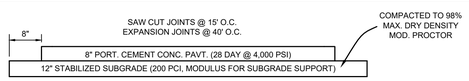
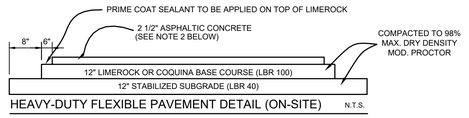


TYPICAL RIGID DETAIL (ON-SITE) N.T.S.

NOTE:

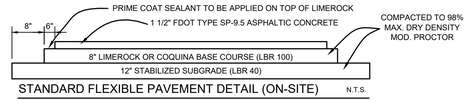
1. CONCRETE PAVEMENT, AT A MINIMUM, MUST BE CONSTRUCTED OF FDOT APPROVED CLASS II CONCRETE.
2. CONCRETE SHALL BE REINFORCED WITH FIBER MESH ADDITIVE OR WITH 6x6 #10/#10 W.W.M.



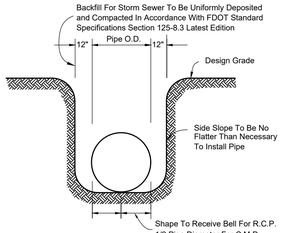
HEAVY-DUTY FLEXIBLE PAVEMENT DETAIL (ON-SITE) N.T.S.

NOTE:

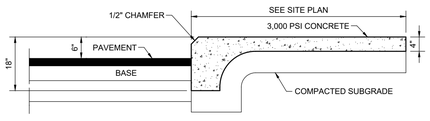
1. THE 12-INCH BASE COURSE SHOULD BE PLACED AND COMPACTED IN TWO LAYERS.
2. THE 2.5-INCH SHOULD BE PLACED AND COMPACTED IN TWO LAYERS. 1st LAYER 1.25-INCH SP-12.5 & 2nd LAYER TO BE 1.25-INCH SP-12.5.
3. PAVEMENT SHALL HAVE MARSHALL STABILITY OF 1,000 LBS.



STANDARD FLEXIBLE PAVEMENT DETAIL (ON-SITE) N.T.S.

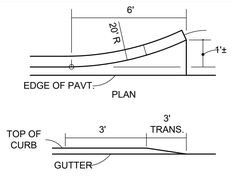


STORM PIPE BEDDING DETAIL

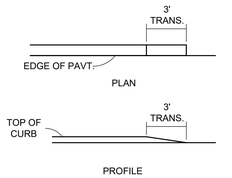


SIDEWALK/PAVEMENT DETAIL

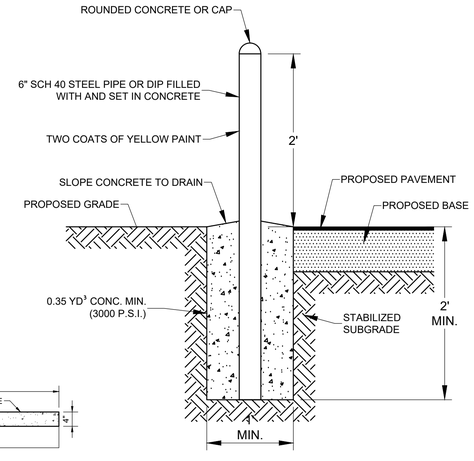
N.T.S.



CURB AND GUTTER ENDINGS

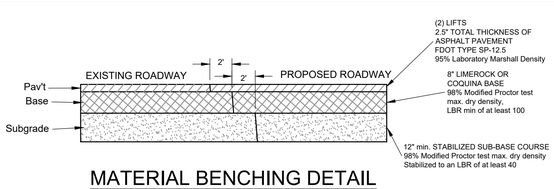


TYPE 'D' CURB ENDINGS

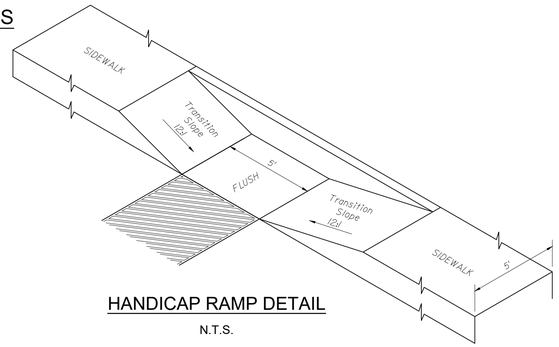


BOLLARD DETAIL

NOT TO SCALE

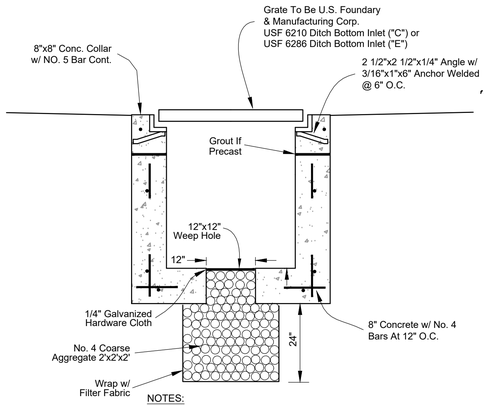


MATERIAL BENCHING DETAIL
(FOR ATTACHING TO EXISTING ROADWAY)



HANDICAP RAMP DETAIL

N.T.S.



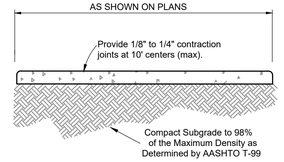
NOTES:

1. Construct Type "C" & "E" Inlets per FDOT Index #232.
2. Construct French Drain Per FDOT Index #285 & #210.
3. Drainfield rock shall be No. 4 Coarse Aggregate.

TYPE "C" & "E" OPEN BOTTOM INLETS

DRAINAGE NOTES:

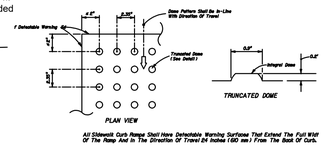
1. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE ROAD RIGHT-OF-WAY.
2. SOD ALL DISTURBED AREAS TO INCLUDE GRASS WITHIN THE RIGHT-OF-WAY, MEDIAN, TRANSITIONS TO PROPERTY LINES AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITY ASSOCIATED WITH THIS PROJECT. CONTRACTOR TO MATCH SURROUNDING GRASS WITH THAT OF EQUAL TYPE.
3. ALL DRAINAGE PIPE JOINTS, INCLUDING ROUND CONCRETE PIPES, SHALL HAVE A FILTER FABRIC JACKET IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DRAINAGE STANDARDS.
4. ALL MITERED END SECTIONS TO BE CONSTRUCTED WITH A 4:1 SLOPE. REFER TO FDOT INDEX #430-021, FDOT LATEST DESIGN STANDARDS.
5. ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.5' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.



NOTES:

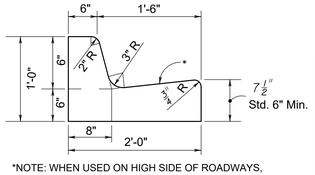
1. Use 4,000 P.S.I. Concrete At 28 Days for sidewalk construction.
2. Concrete Sidewalk shall be installed per FDOT Index #522-001 and Standard Specifications 522.

4" THICK SIDEWALK DETAIL



NOTES:
REFER TO FDOT INDEX 522-002 FOR FURTHER DETAILS

CURB RAMP DETECTABLE WARNING



*NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE F-CURB

SPACING OR REQUIRED ROADWAY / PARKING AREA TESTS

ITEMS TO BE TESTED	DENSITY		L.B.R.		THICKNESS	
	MAX. SPACING		MAX. SPACING		MAX. SPACING	
	LIN.FT.	SQ.FT.	LIN.FT.	SQ.FT.	LIN.FT.	SQ.FT.
COMPACTED OR STABILIZED SUBGRADE	300	10,000	300	10,000	300	10,000
LIMEROCK BASE	300	10,000	___	___	300	10,000
SHELLROCK BASE	300	10,000	___	___	300	10,000
ASPHALT	___	___	___	___	PER INSP.	PER INSP.

NOTE: ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED, TO THE CENTER, TO A POINT 12" INSIDE OF THE RIGHT EDGE.

SIDEWALK SLOPES PER ADA

LENGTH	MAX. SLOPE		LONGITUDINAL
≤ 6'	1:12	8.33%	WITHOUT HANDRAILS
> 6' < 30'	1:12	8.33%	HANDRAILS BOTH SIDES
> 6' < 50'	1:20	5.00%	NO HANDRAILS

NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:50 (2.0%).

CONSTRUCTION FIELD OBSERVATIONS

I. DRAINAGE
- A. LAYING OF PIPE (BEFORE BACKFILL)
- B. ALL DRAINAGE STRUCTURES AND PIPE LAYING COMPLETE.
- C. CONSTRUCTION AND STABILIZATION OF RETENTION AREAS AND SWALES.
- D. SEEDING, MULCH AND SODDING IN AREAS WHERE EROSION IS EVIDENT.

II. UTILITIES (PERMITS)
- A. PIPE LAYING WITHIN RIGHTS-OF-WAY.
- B. JACK AND BORING IN RIGHTS-OF-WAY.

III. CONCRETE
- A. CONSTRUCTION OF CURBING, SIDEWALK AND RETAINING WALLS BEFORE PLACEMENT OF CONCRETE.

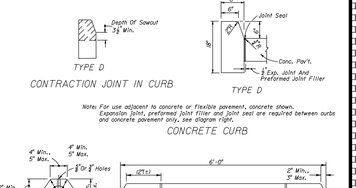
IV. PAVEMENT
- A. LINE AND GRADE (CERTIFICATION).
- B. SUBBASE (PRIOR TO ADDING BASE MATERIAL)
- C. BASE (PRIOR TO PRIMING AND SAND SEAL)
- D. BASE (AFTER PRIMING, SAND SEAL AND BEFORE PLACING OF ASPHALT)
- E. ASPHALT OR CONCRETE (WHILE PAVING IS IN PROCESS).
- F. TURN OUT CONSTRUCTION ONTO CITY, COUNTY, OR STATE ROAD (ABOVE INSPECTIONS APPLY).
- G. TEST RESULTS ON SUBBASE, BASE AND ASPHALT.
- H. FINAL PROJECT OBSERVATION.

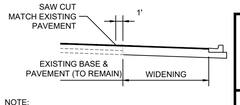
PROJECT CERTIFICATION REQUIREMENTS

I. TESTING
- A. FLORIDA BEARING VALUE TEST RESULTS
- B. COMPACTION TEST
- C. BASE MATERIAL TEST RESULTS
- D. ASPHALT TEST RESULTS

II. WATER AND SEWER
- A. DEPARTMENT OF ENVIRONMENTAL CERTIFICATION FOR BOTH WATER AND SEWER OPERATION AND MAINTENANCE), IF APPLICABLE.
- B. HEALTH DEPARTMENT CERTIFICATION, IF APPLICABLE.
- C. BACTERIOLOGICAL FOR WATER MAINS.
- D. UTILITY ACCEPTANCE FOR OPERATION AND MAINTENANCE, IF APPLICABLE.

III. CERTIFICATION AND RECORD DRAWINGS
- A. SEALED CERTIFICATION BY THE ENGINEER OF RECORD FOR COMPLIANCE WITH APPROVED PLANS AND SPECIFICATIONS ALONG WITH RECORD DRAWINGS FOR THE PROJECT.





NOTE:
IT IS THE INTENT THAT THE EXISTING LANE/EDGE LINE BE REMOVED DURING SAW CUTTING OPERATION. COST OF SAW CUTTING AND REMOVAL OF ADDITIONAL ONE FOOT (1') WIDE STRIP OF PAVEMENT TO BE INCLUDED IN TYPE 'S' ASPHALT PAVEMENT.

SAW CUT DETAIL
N.T.S.

Soil Placement Plan - Stonemont - Fort Pierce

Model Layer*	Soil Description	USCS Classification	AASHTO Classification	Fill/Backfill Uses: Building	Pavement	Utilities	Notes
1	Clayey SAND	SC	A-2-6	below top 24"	below top 24"- HD below top 18"- LD	not to be used	will be difficult to handle and compact at elevated moisture content
2	SAND with clay	SP-SC	A-2-4	all depths/elevations	all depths/elevations	all depths/elevations except as noted for concrete pavement	see Note (3) below for use beneath concrete pavement; may be difficult to handle and compact at elevated moisture content
3	Silty SAND	SM	A-2-4	below top 24"	below top 24" - HD below top 18"- LD	all depths/elevations except as noted beneath pavement	will be difficult to handle and compact at elevated moisture content
4	Fine SAND	SP	A-3	all depths/elevations	all depths/elevations	all depths/elevations	preferred used within 18" or 24" of bottom of concrete pavement
5	SAND with Silt	SP-SM	A-3; A-2-4	all depths/elevations	all depths/elevations	all depths/elevations except as noted for concrete pavement	see Note (3) below for use beneath concrete pavement; may be difficult to handle and compact at elevated moisture content
6	Organics	PT	A-8	not to be used	not to be used	not to be used	may be placed in green areas such as landscaping

Footnotes:
(1) "Tcg" refers to either finished subfloor elevation or finished embankment/subgrade elevation (bottom of sub-base/stabilized subgrade)
(2) Max depth of lake is 25' below Control Elev (CE) of +14.75 feet (NAVD); lowest lake bottom elevation of – 10.25 feet (NAVD)
(3) <10% fines in top 18" and 24", reseptively, below concrete LD and HD pavement
(4) <12% fines in top 18" from top of subgrade below light duty asphalt pavement
(5) <12% fines in top 24" from top of subgrade below heavy duty asphalt pavement
(6) Fills below the above depths have a 35% max fines criterion consistent with A-2-4 and A-2-6 AASHTO classifications

Additional Footnotes: (1) Refer to Environmental considerations/guidelines per the Terracon Soil Management Report , dated November 8, 2021 and including later amendments/revisions

* Lake Profiles:

Lake 1

Elevation**	Depth**	Model Layer***
+16 to +12	0 to 4'	1
+12 to +3	4' to 13'	2
+3 to -7	13' to 23'	3
-7 to -14	23' to 30'	5

**based on Borings B-10, B-115, B-116, B-117, B-121, B-122
***see attached Results of Lab Testing Table for additional data on Model Layer classifications with fines contents

Lake 2

Elevation**	Depth**	Model Layer***
18.5 to +16.5	0 to 2'	4
+16.5 to +13.5	2' to 5'	1
+13.5 to +5.5	5' to 13'	2
+5.5 to +0.5	13' to 18'	5
+0.5 to -4.5	18' to 23'	3
-4.5 to -11.5	23' to 30'	5

**based on Borings B-8, B-107, B-124
***see attached Results of Lab Testing Table for additional data on Model Layer classifications with fines contents

Lake 3

Elevation**	Depth**	Model Layer***
+18 to +15	0 to 3'	4
+15 to +13	3' to 5'	1
+13 to +5	5' to 13'	2
+5 to -12	13' to 30'	5

**based on Borings B-18, B-133, B-140, B-144
***see attached Results of Lab Testing Table for additional data on Model Layer classifications with fines contents

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RWF — DESIGNED BY
RWF — DRAWN BY
21-210 (05-31-2023).dwg — FILENAME
32 - PGD DETAILS — LAYOUT
1" = 40' — SCALE
24 MAY 2023 — DATE
REVISION COMMENTS — DATE

SOUTH FLORIDA LOGISTICS CENTER 95
PGD DETAILS
FLORIDA
ST. LUCIE COUNTY

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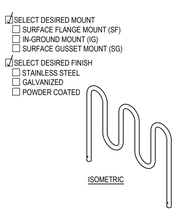
☑ SELECT DESIRED MOUNT
☐ SURFACE FLANGE MOUNT (SF)
☐ IN-GROUND MOUNT (IG)
☐ SURFACE GUSSET MOUNT (SG)

☑ SELECT DESIRED FINISH
☐ STAINLESS STEEL
☐ GALVANIZED
☐ POWDER COATED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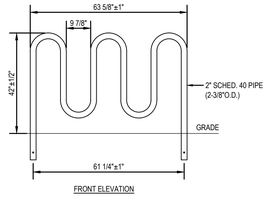
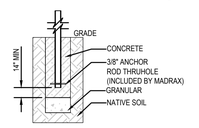
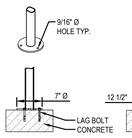


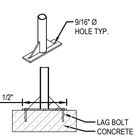
FRONT ELEVATION



IN GROUND MOUNTED(IG)



SURFACE FLANGE MOUNT (SF)



SURFACE GUSSET MOUNT (SG)

SECTION VIEWS

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. CONSULTANT TO SELECT COLOR (FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
4. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.
5. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
6. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 302-113B.

HEAVY DUTY WINDER BIKE RACK

7 BIKE, SURFACE OR IN GROUND MOUNT

302-113B — REVISION DATE 13/10/2011

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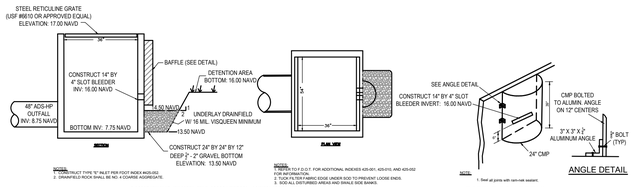
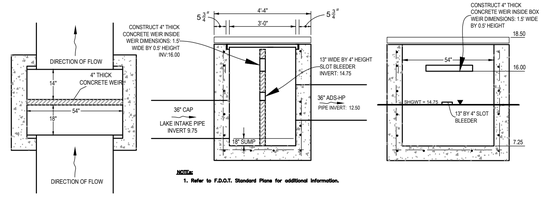


MODIFIED TYPE "E" CONTROL STRUCTURE
(DRY PRETREATMENT CS)

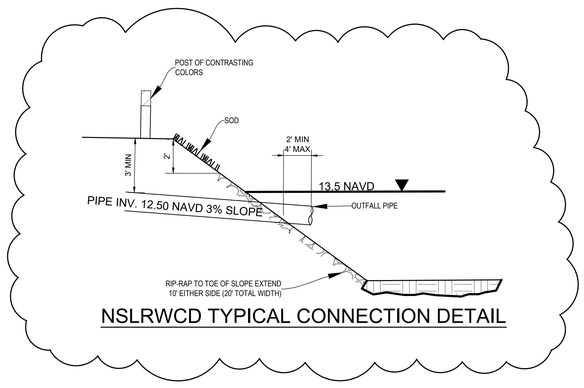
ANGLE DETAIL

BAFFLE BOX DETAIL

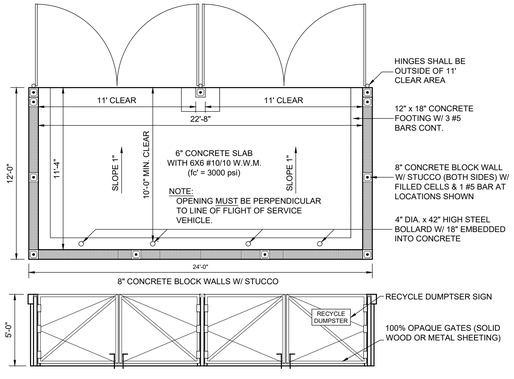


NOTE:
1. Refer to F.D.O.T. Standard Plans for additional information.

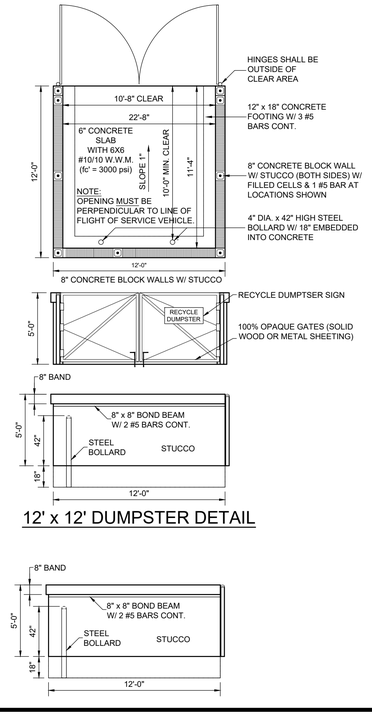
MODIFIED TYPE 'E' CONTROL STRUCTURE
(LAKE OUTFALL CS)



NSLRWCD TYPICAL CONNECTION DETAIL



24' x 12' DUMPSTER DETAIL



12' x 12' DUMPSTER DETAIL

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DRAWN BY	RWF
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LAYOUT	33 - PGD DETAILS - 2
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISION COMMENTS
05-17-2023	REVISED NSLRWCD CONNECTION DETAIL

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EXISTING BUILDING

EX. 12" PVC WATER MAIN

EX. 12" PVC WATER MAIN
CONST.
(1) 12"x12" M.J. TEE
(1) 12" M.J. GATE VALVE

ORANGE AVE. (S.R. 68) (160' ULTIMATE R/W)

EX. 6" FIRE HYDRANT

EX. 12" PVC WATER MAIN

EX. 6" FIRE HYDRANT

EX. 12" PVC WATER MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. FDC

CONST. DDCV, WATER SERVICE

CONST. 8" C-900, DR-18 PVC WATER MAIN

CONST. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 8" C-900, DR-18 PVC WATER MAIN

CONST. DDCV, WATER SERVICE

CONST. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

EX. 12" PVC WATER MAIN
CONST.
(1) 12"x12" M.J. TEE
(1) 12" M.J. GATE VALVE

CONST. FDC W/ 6" C-900, DR-18 PVC CONNECTION

80 LF OF C900 DR-18 WATER MAIN THAT REQUIRES FDEP PERMITTING

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 6" C-900, DR-18 PVC CONNECTION FOR FDC

CONST. 8" C-900, DR-18 PVC WATER MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. FDC

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. FDC W/ 6" C-900, DR-18 PVC CONNECTION

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 6" FIRE HYDRANT ASS'Y

CONST. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 6" FIRE HYDRANT ASS'Y

35

36

37

38

39

40

41

N 89°38'45" E 1683.28'

N 89°38'45" E 821.05'

S 89°43'34" W 1358.17'

S 89°33'37" W 1267.61'

N 0°04'54" W 2483.34'

S 0°13'53" E 629.99'

S 0°09'23" E 1275.16'

L=138.24'

R=1482.69'

Δ=05°20'44"

CH=138.19'

CH BRG=S 87°04'26" E

N.S.L.W.C.D. CANAL NO. 411 (97' R/W)

ROCK ROAD (90' R/W)

KINGS HIGHWAY (S.R. 713) (160' ULTIMATE R/W)

N.S.L.R.W.C.D. CANAL No. 46

EXISTING BUILDING

EXISTING PAVEMENT

EXISTING BUILDING

EX. 12" PVC WATER MAIN

EX. 12" PVC WATER MAIN

EX. 12" PVC WATER MAIN

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

MATCH LINE SHEET 39

EX. DRAINAGE MANHOLE RIM EL. 19.32

EX. DRAINAGE MANHOLE RIM EL. 18.78

EX. 12" PVC WATER MAIN

EX. DRAINAGE MANHOLE RIM EL. 18.39

EX. DRAINAGE MANHOLE RIM EL. 18.75

EX. 6" FIRE HYDRANT

EX. DRAINAGE MANHOLE RIM EL. 19.15

PROPOSED 55' R/W DEDICATION

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

EX. 12" PVC FORCE MAIN

N 89°38'45" E 1683.28'

PROPOSED 15' LANDSCAPE BUFFER

PROPOSED LAKE #4
TOP OF BANK AREA = 118,258 S.F.
AREA @ CONTROL ELEVATION = 83,646 S.F.
CONTROL ELEVATION: 14.75 NAVD

N 44°46'05" E 35.44'

ROCK ROAD (80' R/W)

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

PROPOSED DRY DETENTION AREA #4
TOP OF BANK AREA
14,059 S.F.

PROPOSED 15' LANDSCAPE BUFFER

CONST. 70 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12" M.J. 90° BEND

CONST. 322 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 280 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 820 L.F. 4" PVC DR-18 WATER SERVICE

EX. 12" PVC WATER MAIN
CONST. (1) 12" WET TAP
(1) 12" M.J. GATE VALVE

CONST. (1) 12"x6" M.J. TEE
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASS'Y
16 L.F. 6" C-900, DR-18 PVC FIRE MAIN

CONST. 398 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 453 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 65 L.F. 8" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12"x10" M.J. TEE

CONST. (2) 12" M.J. 45° BENDS TO BRING PIPE TO T/18.50

CONST. (1) 12"x8" M.J. REDUCER
(1) 12" M.J. GATE VALVE & BOX
(1) 12" M.J. TEE
(1) 12"x10" M.J. REDUCER

CONST. 102 L.F. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 312 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12" M.J. 90° BEND

CONST. 38 L.F. 12" C-900, DR-18 PVC FIRE MAIN

PROP. FPL TRANSFORMER LOCATION (BY OTHERS)

CONST. 55 L.F. 10" C-900, DR-18 PVC FIRE MAIN

NOTE:
PROPOSED 12" FIRE MAIN. CONTRACTOR TO VERIFY PIPE SIZE & TYPE FOR FIRE MAIN, DDCV, PIV, & FDC WITH FIRE SPRINKLER CONTRACTOR.

FUTURE OFFICE AREA

CONST. (1) 12"x6" M.J. TEE
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASS'Y

FUTURE OFFICE AREA

CONST. (P.O.S.)
(1) 12"x12" M.J. CROSS
(1) 12"x4" M.J. REDUCER
(1) 4" GATE VALVE & BOX
(1) 4" M.J. 90° BEND
(1) 4" COMPOUND WATER METER
(1) 4" RPZ

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

CONST. (1) 12" M.J. 90° BEND

CONST. (1) 12"x6" M.J. TEE
(1) FDC
25 L.F. 6" C-900, DR-18 PVC FIRE MAIN

CONST. 294 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. 404 L.F. 8" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 8" M.J. 90° BEND

80 LF OF C900 DR-18 WATER MAIN THAT REQUIRES FDEP PERMITTING

CONST. (1) 12"x6" M.J. REDUCER
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASSY.

CONST. (P.O.S.)
(1) 12" M.J. GATE VALVE & BOX
(1) 12" DDCV

CONST. 83 L.F. 12" C-900, DR-18 PVC FIRE MAIN

DETAIL 'A'
SCALE: 1" = 40'

PROPOSED 15'x20' UTILITY EASEMENT PER O.R. BK. ____, PG. ____

DETAIL 'A'

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

SA MH: 25'

SB MH: 25'

SC MH: 25'

EX. 12" WATER AIR RELIEF VALVE

MATCH LINE SHEET 36

MATCH LINE SHEET 39

LEGEND

M E	EXISTING METER
M E	PROPOSED METER
	PROPOSED SIGN
7	BLOCK NUMBER
	MITERED END SECTION
	HANDICAP STALL
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.
#	PARKING STALL TAG # OF STALLS
#	EX. OAK TREE TO REMAIN # - TREE TAG
#	EX. PALM TREE TO REMAIN # - TREE TAG
#	EX. PINE TREE # - TREE TAG
#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	EXISTING CONCRETE
	EXISTING PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED STANDARD ASPHALT
	PROPOSED CONCRETE

NOTE:
ALL PIPE IS MEASURED FROM FITTING TO FITTING

0 40
(IN FEET)
1 inch = 40 ft.

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L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	S5 - UTILITY S1	1" = 40'	24 MAY 2023

DATE	REVISIONS COMMENTS
04-03-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT
05-10-2023	ADDED SECOND FDC TO BLDG. # PER SLC FIRE MARSHALL
07-07-2023	REVISED UTILITY PLANS PER PTAA COMMENTS.
08-15-2023	REVISED UTILITY PLANS PER PTAA COMMENTS.

SOUTH FLORIDA LOGISTICS CENTER 95
ST. LUCIE COUNTY FLORIDA

UTILITY PLAN - 1

DAVID C. BAGGETT, P.E.(DATE)
#81375

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SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

35 OF 61

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MATCH LINE SHEET 35

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

PROPOSED 15' LANDSCAPE BUFFER

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

SA MH: 25'

SB MH: 25'

CONST. (1) 12"x6" M.J. TEE (1) FDC 25 L.F. 6" C-900, DR-18 PVC FIRE MAIN

CONST. 228 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12"x10" M.J. TEE (4) 10" M.J. 45° BENDS (1) 12" M.J. GATE VALVE & BOX

CONST. 124 L.F. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 230 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 6" M.J. GATE VALVE & BOX (1) 6" FIRE HYDRANT ASS'Y PLACE TWO BOLLARDS IN FRONT OF HYDRANT FOR PROTECTION

CONST. (1) 12"x6" M.J. TEE

CONST. 80 L.F. 6" C-900, DR-18 PVC FIRE MAIN

CONST. 189 L.F. 12" C-900, DR-18 PVC FIRE MAIN

N 0°04'54" W 2483.34'

CONST. (1) 12"x10" M.J. TEE (4) 10" M.J. 45° BENDS

CONST. 124 L.F. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 96 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12" M.J. GATE VALVE & BOX

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

CONST. 294 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12"x10" M.J. TEE

CONST. 80 L.F. 10" C-900, DR-18 PVC FIRE MAIN

CONNECTION FROM BLDG. @ EL. 13.00

118 L.F. 6" PVC SDR-26 BLDG. SEWER @ 1.0% MIN.

58'

60'

C.O. TOP EL. 18.73 INV. EL. 12.42

CONST. 172 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12" M.J. GATE VALVE & BOX

CONST. 229 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12"x6" M.J. TEE

CONST. 187 L.F. 12" C-900, DR-18 PVC FIRE MAIN

CONST. (1) 12"x10" M.J. TEE

CONST. 80 L.F. 10" C-900, DR-18 PVC FIRE MAIN

CONST. 96 L.F. 12" C-900, DR-18 PVC FIRE MAIN

118 L.F. 6" PVC SDR-26 BLDG. SEWER @ 1.0% MIN.

CONNECTION FROM BLDG. @ EL. 13.00

C.O. TOP EL. 18.65 INV. EL. 10.90

S 1°06'54" E 1906.54'

CONST. (1) 12" M.J. GATE VALVE & BOX

CONST. 124 L.F. 12" C-900, DR-18 PVC FIRE MAIN

MATCH LINE SHEET 40

MATCH LINE SHEET 37

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
P	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

(IN FEET)
1 inch = 40 ft.

NOTE:
ALL PIPE IS MEASURED FROM FITTING TO FITTING

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	36 - UTILITY S2	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
04-03-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT.
07-07-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.
08-16-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA LOGISTICS CENTER 95
UTILITY PLAN - 2
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE) #81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
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21-210

36 OF 61

MATCH LINE SHEET 36

MATCH LINE SHEET 41

MATCH LINE SHEET 38

CONST.
123 L.F. 12" C-900, DR-18
PVC FIRE MAIN

SA
MH: 25'

CONST.
(1) 12"x10" M.J. TEE
(4) 10" M.J. 45° BENDS

10

CONST. 124 L.F.
10" C-900, DR-18
PVC FIRE MAIN

CONST.
253 L.F. 12" C-900, DR-18
PVC FIRE MAIN

SA
MH: 25'

SB
MH: 25'

CONST.
80 L.F. 6" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 12"x6" M.J. TEE
SAMPLE POINT
(SEE FPUA DETAIL W-6)

CONST.
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASSY
PLACE TWO BOLLARDS IN
FRONT OF HYDRANT FOR
PROTECTION

SA
MH: 25'

MINIMUM
PERIMETER
BERM ELEV.
18.75 (TYP.)

CONST.
140 L.F. 12" C-900, DR-18
PVC FIRE MAIN

SB
MH: 25'

15'

CONST.
(1) 12"x10" M.J. TEE
(4) 10" M.J. 45° BENDS
(1) 12" M.J. GATE
VALVE & BOX

10

CONST. 124 L.F.
10" C-900, DR-18
PVC FIRE MAIN

PROPOSED 15' LANDSCAPE BUFFER

SA
MH: 25'

CONST.
297 L.F. 12" C-900,
DR-18 PVC FIRE MAIN

SB
MH: 25'

SA
MH: 25'

CONST. FDC W/ 6"
C-900, DR-18 PVC
CONNECTION

CONST.
(1) 12"x6" M.J. TEE
102 L.F. 6" C-900, DR-18
PVC FIRE MAIN

SB
MH: 25'

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

CONST.
124 L.F. 12" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 12"x10" M.J. TEE

CONST. 80 L.F. 10" C-900,
DR-18 PVC FIRE MAIN

SB
MH: 25'

CONST.
254 L.F. 12" C-900, DR-18
PVC FIRE MAIN

SB
MH: 25'

15

CONST.
(1) 12"x6" M.J. TEE

CONST.
144 L.F. 12" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 12"x10" M.J. TEE
(1) 12" M.J. GATE
VALVE & BOX

CONST. 80 L.F. 10" C-900,
DR-18 PVC FIRE MAIN

C.O.
TOP EL. 18.48
INV. EL. 12.25

WYE
CONNECTION
INV. EL. 11.56

130 L.F. 6" PVC
SDR-26 BLDG.
SEWER @ 1.0% MIN.

17

60°

16

10'

39'

31'

CONNECTION FROM
BLDG. @ EL. 13.00

C.O.
TOP EL. 18.77
INV. EL. 12.65

PLUG EXISTING 6"
LINE WEST OF TEE

SB
MH: 25'

CONST.
366 L.F. 12" C-900, DR-18
PVC FIRE MAIN

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

0 40
(IN FEET)
1 inch = 40 ft.

NOTE:
ALL PIPE IS MEASURED
FROM FITTING TO FITTING

SLC DRC
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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	37 - UTILITY S3
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISIONS COMMENTS
05-31-2023	REVISED SEWER LATERAL CONNECTION PER CONTRACTOR RFI #043
04-03-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT
07-07-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.
05-15-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA LOGISTICS CENTER 95

UTILITY PLAN - 3

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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21-210

37 OF 61

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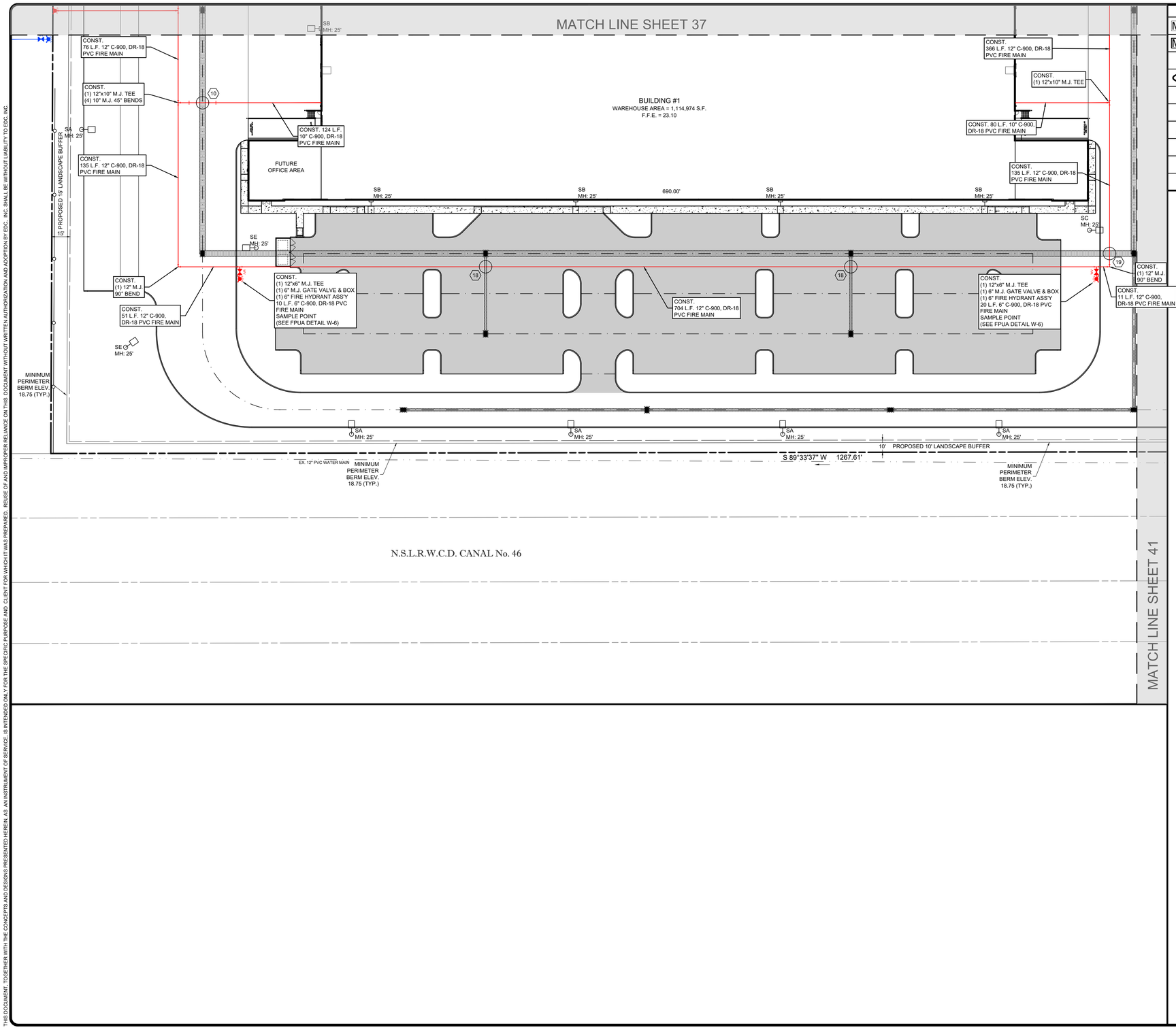

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL PIPE IS MEASURED FROM FITTING TO FITTING

(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	38 - UTILITY S4	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
04-03-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT
07-07-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.
08-16-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA LOGISTICS CENTER 95

UTILITY PLAN - 4

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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MATCH LINE SHEET 35

MATCH LINE SHEET 40

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

ORANGE AVE. (S.R. 68)
(160' ULTIMATE R/W)

CONST. DIRECTIONAL BORE
143 L.F. 12" HDPE WATER MAIN
(SEE DETAIL ON SHEET 46)

EX. 12" PVC WATER MAIN

EX. 12" PVC WATER MAIN
CONST.
(1) 12"x12" M.J. TEE
(1) 12" M.J. GATE VALVE
SAMPLE POINT
(SEE FPUA DETAIL W-6)

EX. 6" FIRE HYDRANT

EX. DRAINAGE MANHOLE
RIM EL. 16.58

EX. CATCH BASIN
RIM EL. 16.84

EX. 12" UTILITY EASEMENT PER O.R.B. 3056, PG. 2682

CONNECT TO EX. 12" PVC FORCE MAIN
CONST.
(1) 12"x6" TAPPING SADDLE
(1) 6" M.J. GATE VALVE & BOX
VALVE LID TO BE FLUSH IN PATH

EX. 12" PVC FORCE MAIN

MINIMUM PERIMETER BERM ELEV. 18.75 (TYP.)

PROPOSED 55' R/W DEDICATION

PROPOSED 15'x20' UTILITY EASEMENT PER O.R. BK. ____, PG. ____

15' PROPOSED 15' LANDSCAPE BUFFER

DETAIL 'B'

143'

CONST.
SAMPLE POINT
(SEE FPUA DETAIL W-6)

CONST.
355 L.F. 8" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 8" M.J. 90° BEND

S 67°42'56" E
94.95'

270.00'

SD
MH: 25'

SB
MH: 25'

FUTURE
OFFICE AREA

C.E. 14.75 NAVD

T/B 19.75

G.B. 12.75

G.B. 11.75

PROPOSED LAKE #3
TOP OF BANK AREA = 61,260 S.F.
AREA @ CONTROL ELEV. = 41,458 S.F.
CONTROL ELEVATION: 14.75 NAVD

TOE -3.25

CONST.
1,318 L.F. 6" DR-11
POLY FORCE MAIN

SE
MH: 25'

CONST.
114 L.F. 8" C-900, DR-18
PVC FIRE MAIN

CONST.
69 L.F. 10" C-900, DR-18
PVC FIRE MAIN

CONST.
(2) 10" M.J. 90° BENDS
10 L.F. 10" C-900, DR-18
PVC FIRE MAIN

SA
MH: 25'

CONST. FDC W/ 6"
C-900, DR-18 PVC
CONNECTION

CONST.
470 L.F. 10" C-900,
DR-18 PVC FIRE LINE

CONST.
646 L.F. 3" DR-9 POLY
WATER SERVICE

CONST.
(2) 8" M.J. 45° BENDS
7 L.F. C-900, DR-18
PVC FIRE LINE

CONST.
(1) 8" M.J. GATE VALVE & BOX

CONST.
400 L.F. 8" C-900, DR-18
PVC FIRE MAIN

SE
OMH: 25'

CONST.
30 L.F. 8" C-900, DR-18
PVC FIRE MAIN

PROP. FPL
TRANSFORMER
LOCATION (BY OTHERS)

SF
MH: 25'

SC
MH: 25'

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

CONST.
832 L.F. 8" C-900, DR-18
PVC FIRE MAIN

CONST.
450 L.F. 6" C-900, DR-18
PVC FIRE MAIN

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

CONST.
578 L.F. 8" C-900, DR-18
PVC FIRE MAIN

PROPOSED 10' LANDSCAPE BUFFER

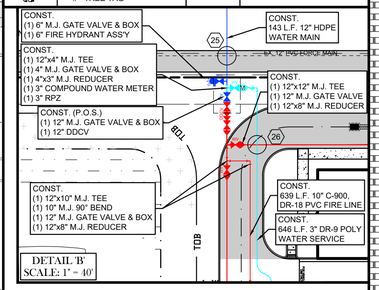
S 0°13'53" E
629.99'

S 0°13'53" E
1,060.00'

NOTE:
PROPOSED 10" FIRE MAIN. CONTRACTOR TO VERIFY PIPE SIZE & TYPE FOR FIRE MAIN, DDCV, PIV, & FDC WITH FIRE SPRINKLER CONTRACTOR.

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE



NOTE:
ALL PIPE IS MEASURED FROM FITTING TO FITTING

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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F.B.P.E. CERTIFICATE OF AUTHORIZATION 9935
L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	39 - UTILITY 5S	1" = 40'	24 MAY 2023

DATE	REVISIONS COMMENTS
04-03-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT
07-07-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.
05-15-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA
LOGISTICS CENTER 95

UTILITY PLAN - 5

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

21-210

39 OF 61

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY EDC, INC. SHALL BE WITHOUT LIABILITY TO EDC, INC.

Z:\EDC-2021\21-210 - SFG Stonemont - 103-Acre Kings Highway\ENGINEERING\AutoCAD\DWG\21-210 (06-16-2023).dwg, 40 - UTILITY SS, 6/19/2023 12:26:48 PM, Bob Frost, EDC, Inc., EDC, Inc.

MATCH LINE SHEET 36

MATCH LINE SHEET 39

MATCH LINE SHEET 41

#8 -SSMH
RIM EL. 18.75

WYE CONNECTION
INV. EL. 11.55

SA
MH: 25'

275 LF 8" SDR-26 @ 0.4% MIN.

CONST.
1,318 L.F. 6" DR-11
POLY FORCE MAIN

#7 -SSMH
RIM EL. 18.55

275 LF 8" SDR-26
@ 0.4% MIN.

CONST.
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASS'Y
PLACE TWO BOLLARDS IN
FRONT OF HYDRANT FOR
PROTECTION

CONST.
120 L.F. 6" C-900, DR-18
PVC FIRE MAIN

#5 -SSMH
RIM EL. 18.40

242 LF 8" SDR-26 @ 0.4% MIN.

93 LF 8" SDR-26
@ 0.4% MIN.

#6 -SSMH
RIM EL. 18.75

LIFT STATION
TOP ELEV. 20.00

43 LF 8" SDR-26
@ 0.4% MIN.

WYE CONNECTION
INV. EL. 8.74

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,601 S.F.

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @ CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

C.E. 14.75 NAVD

T/B 19.0

T/B 19.75

TOE 16.0

CONST.
115 L.F. 6" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 6" M.J. TEE

CONST.
(1) 10" M.J. 90° BEND

CONTRACTOR TO
CORE @ ELEV. 14.10

#1 -SSMH
RIM EL. 18.56

WYE CONNECTION
INV. EL. 13.92

38.75'

25'

8'

PROP. FPL
TRANSFORMER
LOCATION (BY OTHERS)

CONNECTION FROM
BLDG. @ EL. 15.17
(FIELD VERIFIED BY CONTRACTOR)

C.O.
TOP EL. 18.90
INV. EL. 15.09

110.5 L.F. 6" PVC
SDR-26 BLDG.
SEWER @ 1.0% MIN.

NOTE:
PROPOSED 10" FIRE MAIN. CONTRACTOR TO
VERIFY PIPE SIZE & TYPE FOR FIRE MAIN, DDCV,
PIV, & FDC WITH FIRE SPRINKLER CONTRACTOR.

SB
MH: 25'

SC
MH: 25'

280 LF 8" SDR-26 @ 0.4% MIN.

CONST.
862 L.F. 8" C-900, DR-18
PVC FIRE MAIN

CONST.
430 L.F. 6" C-900, DR-18
PVC FIRE MAIN

#2 -SSMH
RIM EL. 18.66

CONST.
13 L.F. 6" C-900, DR-18
PVC FIRE MAIN

CONST. FDC W/ 6"
C-900, DR-18 PVC
CONNECTION

CONST.
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASS'Y

SE
MH: 25'

CONST.
(1) 8"x6" M.J. TEE
23 L.F. 6" C-900, DR-18 PVC FIRE MAIN
SAMPLE POINT
(SEE FPUA DETAIL W-6)

268 LF 8" SDR-26 @ 0.4% MIN.

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

FUTURE
OFFICE AREA

CONST.
(1) 8"x6" M.J. TEE
(1) 6" M.J. GATE VALVE & BOX
(1) 6" FIRE HYDRANT ASS'Y
SAMPLE POINT #8
(SEE FPUA DETAIL W-6)

1,980.07'

CONST.
587 L.F. 8" C-900, DR-18
PVC WATER MAIN

#4 -SSMH
RIM EL. 20.32

242 LF 8" SDR-26 @ 0.4% MIN.

#3 -SSMH
RIM EL. 19.93

OSC
MH: 25'

CONST.
(1) 8" M.J. 90° BEND

CONST.
359 L.F. 8" C-900, DR-18
PVC FIRE MAIN

CONST.
(1) 8" M.J. 90° BEND

EXISTING PAVEMENT

EXISTING BUILDING

TOE 17.0

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
P	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

GRAVITY SEWER MANHOLE TABLE

Structure Name	MANHOLE SIZE	COVER TYPE	DEPTH (FT)	STATION	OFFSET	RIM	IN INV:	OUT INV:
#1 -SSMH	4' Ø	USF 170-E	5	54+21.68	183.18	18.56		14.00 (S)
#2 -SSMH	4' Ø	USF 170-E	7	51+41.68	183.18	18.66	12.75 (N)	12.65 (S)
#3 -SSMH	4' Ø	USF 170-E	9	48+74.18	183.18	19.93	11.45 (N)	11.35 (W)
#4 -SSMH	4' Ø	USF 170-E	11	48+74.18	-59.16	20.32	10.30 (E)	10.20 (W)
#5 -SSMH	4' Ø	USF 170-E	10	48+74.18	-301.50	18.40	9.15 (N) 9.15 (E)	9.05 (S)
#6 -SSMH	4' Ø	USF 170-E	11	47+81.60	-301.50	18.75	8.65 (N) 8.65 (S)	8.55 (E)
#7 -SSMH	4' Ø	USF 170-E	9	51+49.18	-301.50	18.55	10.45 (N)	10.35 (S)
#8 -SSMH	4' Ø	USF 170-E	8	54+24.18	-301.50	18.75		11.65 (S)
#9 -SSMH	4' Ø	USF 170-E	9	44+31.60	-301.50	18.71	10.25 (S)	10.15 (N)
#10 -SSMH	4' Ø	USF 170-E	7	40+81.60	-301.50	18.52		11.75 (N)

NOTE:
ALL CURBING IS TYPE 'D'
UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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F.B.P.E. CERTIFICATE OF AUTHORIZATION 9935
L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (06-16-2023).dwg	40 - UTILITY SS	1" = 40'	19 JUNE 2023

DATE	REVISION COMMENTS
06-19-2023	REVISED BUILDING SEWER CONNECTION PER RFI #046
04-04-2023	CHANGE 24" DUAL FRAME & GRATE TO SINGLE FRAME & GRATE
10-19-2022	ADDED SECOND FDC TO BLDG. #2 PER S.L.C. FIRE MARSHALL
07-07-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.
06-15-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA
LOGISTICS CENTER 95

UTILITY PLAN - 6

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
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SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

40 OF 61

811 Know what's below. Call before you dig. www.callsunshine.com
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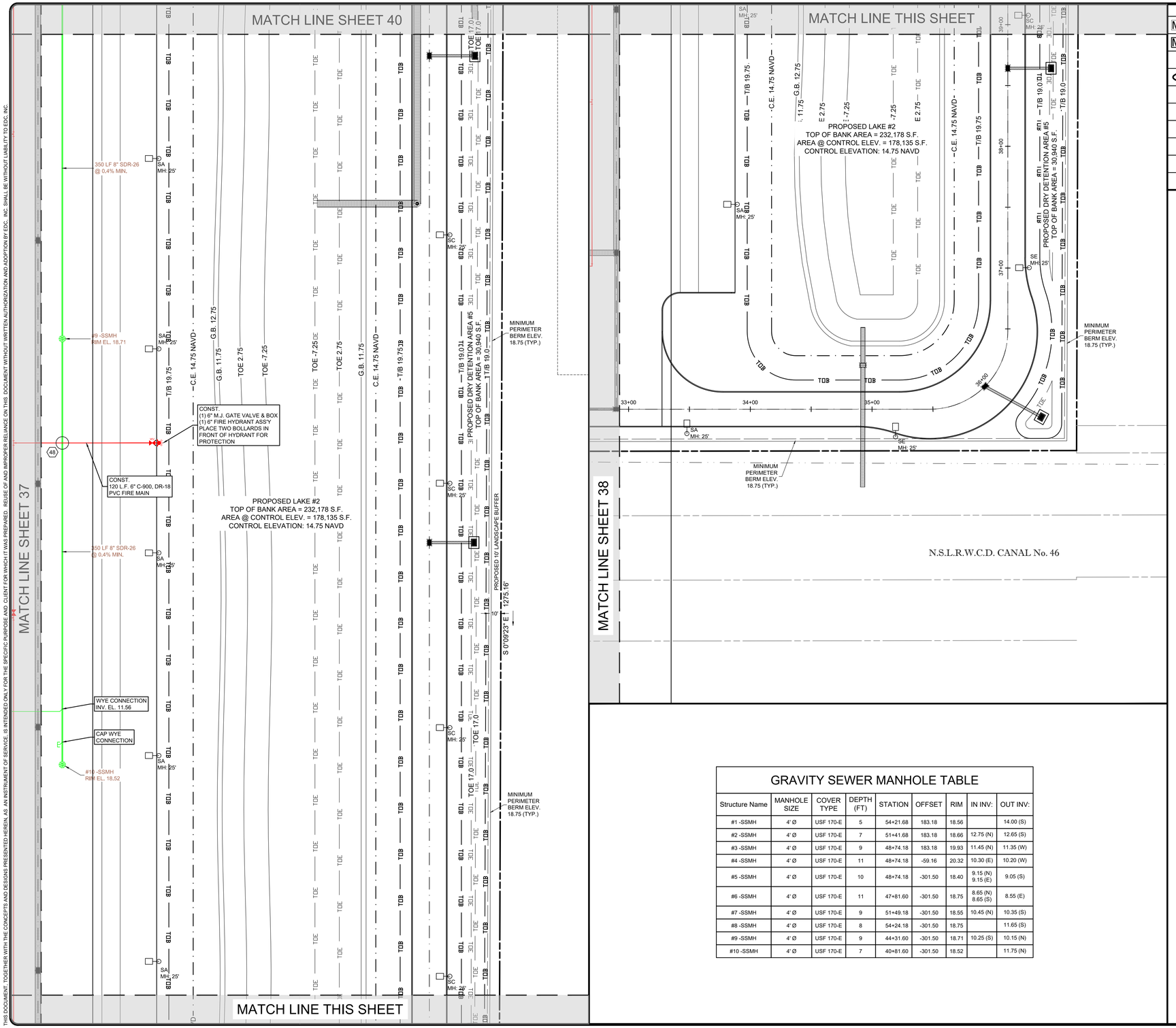

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
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	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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Structure Name	MANHOLE SIZE	COVER TYPE	DEPTH (FT)	STATION	OFFSET	RIM	IN INV:	OUT INV:
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#2 -SSMH	4' Ø	USF 170-E	7	51+41.68	183.18	18.66	12.75 (N)	12.65 (S)
#3 -SSMH	4' Ø	USF 170-E	9	48+74.18	183.18	19.93	11.45 (N)	11.35 (W)
#4 -SSMH	4' Ø	USF 170-E	11	48+74.18	-59.16	20.32	10.30 (E)	10.20 (W)
#5 -SSMH	4' Ø	USF 170-E	10	48+74.18	-301.50	18.40	9.15 (N) 9.15 (E)	9.05 (S)
#6 -SSMH	4' Ø	USF 170-E	11	47+81.60	-301.50	18.75	8.65 (N) 8.65 (S)	8.55 (E)
#7 -SSMH	4' Ø	USF 170-E	9	51+49.18	-301.50	18.55	10.45 (N)	10.35 (S)
#8 -SSMH	4' Ø	USF 170-E	8	54+24.18	-301.50	18.75		11.65 (S)
#9 -SSMH	4' Ø	USF 170-E	9	44+31.60	-301.50	18.71	10.25 (S)	10.15 (N)
#10 -SSMH	4' Ø	USF 170-E	7	40+81.60	-301.50	18.52		11.75 (N)

NOTE:
ALL CURBING IS TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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SLC DRC PROJECT NO. MJSP-9202126163

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L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	41 - UTILITY S7	1" = 40'	24 MAY 2023

DATE	REVISION COMMENTS
05-15-2023	REVISED UTILITY PLANS PER PTVA COMMENTS.
04-05-2023	CHANGED C-900 PVC PIPE FROM DR-14 TO DR-18 PER CLIENT

SOUTH FLORIDA LOGISTICS CENTER 95
UTILITY PLAN - 7
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
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21-210

41 OF 61

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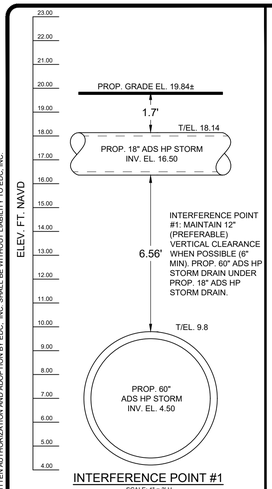
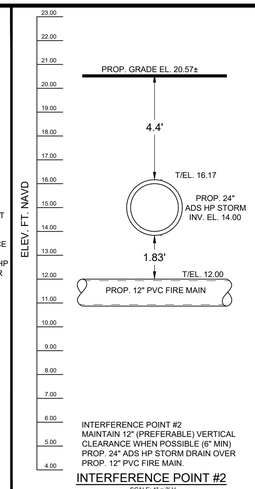
Z:\EDC 2021\21-210 - SFG Stonemont - 103-Acre Kings Highway\ENGINEERING\AutoCAD\DWGs\21-210 (05-31-2023).dwg, 41 - UTILITY S7, 5/31/2023 5:29:39 PM, Bob Frost, EDC, Inc., EDC, Inc.



INTERFERENCE POINT #1

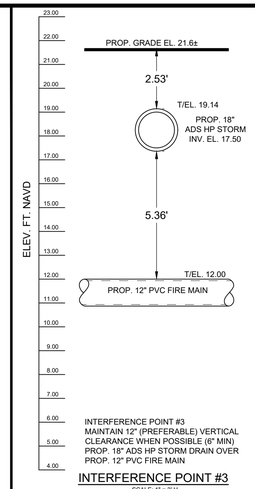
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #2
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN OVER
PROP. 12" PVC FIRE MAIN.

INTERFERENCE POINT #2

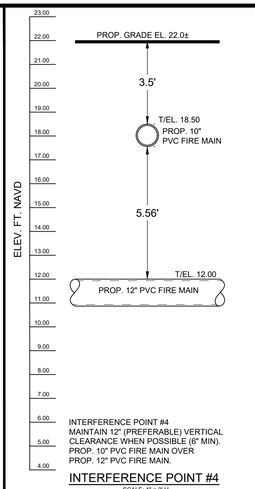
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #3
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 18" ADS HP STORM DRAIN OVER
PROP. 12" PVC FIRE MAIN.

INTERFERENCE POINT #3

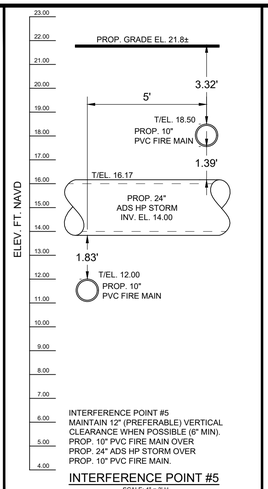
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #4
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 10" PVC FIRE MAIN OVER
PROP. 12" PVC FIRE MAIN.

INTERFERENCE POINT #4

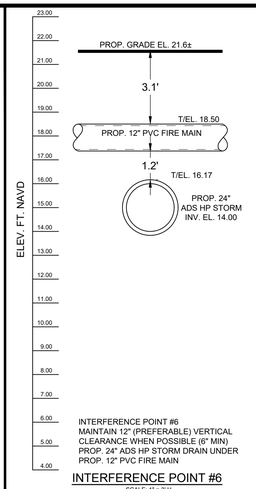
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #5
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 10" PVC FIRE MAIN OVER
PROP. 24" ADS HP STORM OVER
PROP. 10" PVC FIRE MAIN.

INTERFERENCE POINT #5

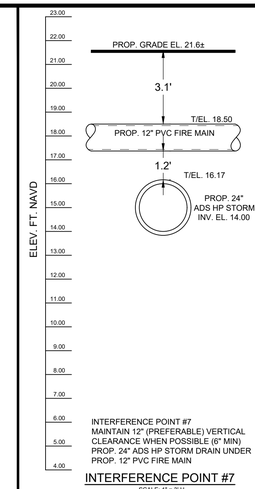
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #6
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN UNDER
PROP. 12" PVC FIRE MAIN

INTERFERENCE POINT #6

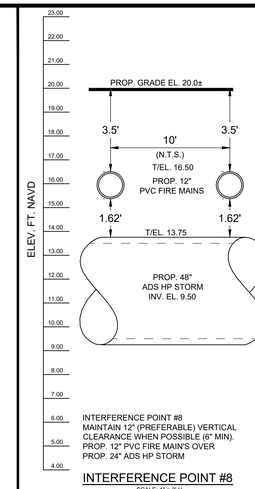
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #7
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN UNDER
PROP. 12" PVC FIRE MAIN

INTERFERENCE POINT #7

SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #8
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 12" PVC FIRE MAIN'S OVER
PROP. 24" ADS HP STORM

INTERFERENCE POINT #8

SCALE: 1" = 3' H
1" = 3' V

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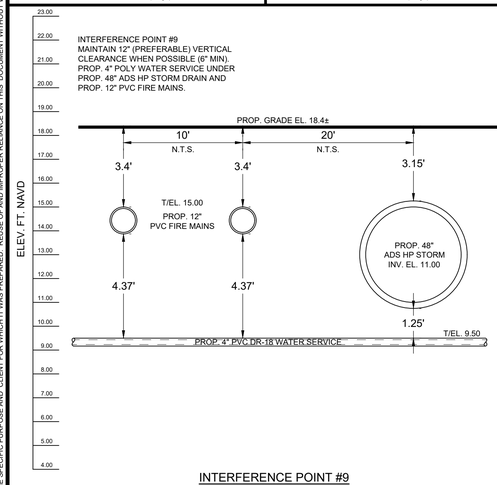
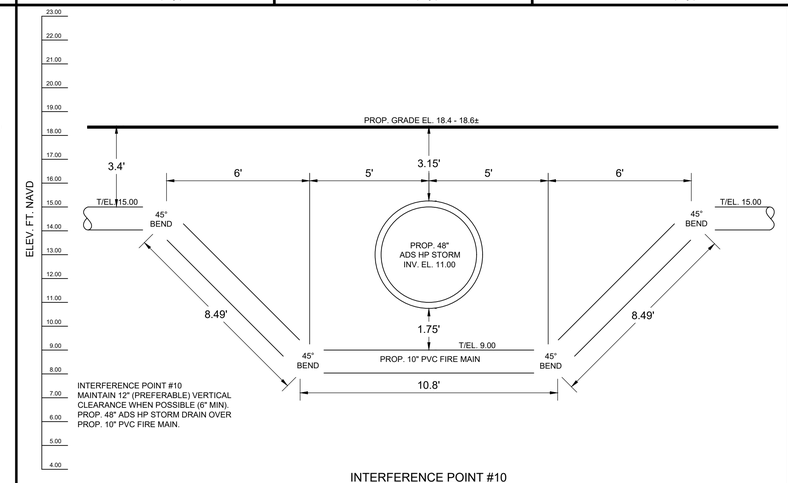
DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	42 - INTERFERENCE POINTS - 1
SCALE	AS SHOWN
DATE	24 MAY 2023

DATE	REVISION COMMENTS
10-16-2022	ADDED INTER. PT. #11 FOR SECOND FDC TO BLDG. #2 PER SLC FIRE MARSHALL
05-15-2022	REVISED UTILITY PLANS PER PTVA COMMENTS



INTERFERENCE POINT #9

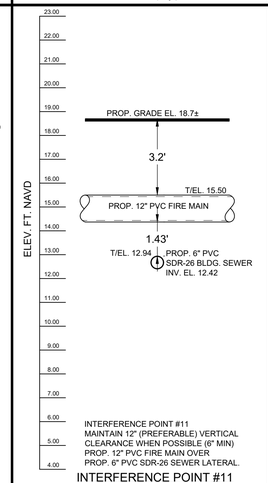
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #10
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 10" PVC FIRE MAIN.

INTERFERENCE POINT #10

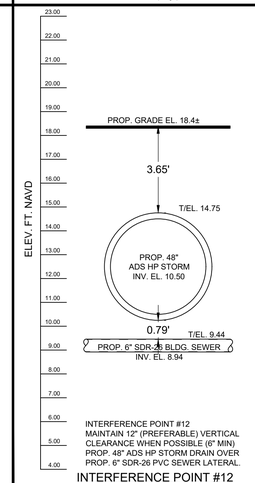
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #11
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 12" PVC FIRE MAIN OVER
PROP. 6" PVC SDR-26 SEWER LATERAL.

INTERFERENCE POINT #11

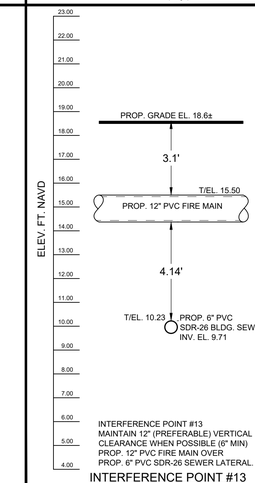
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #12
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 6" SDR-26 PVC SEWER LATERAL.

INTERFERENCE POINT #12

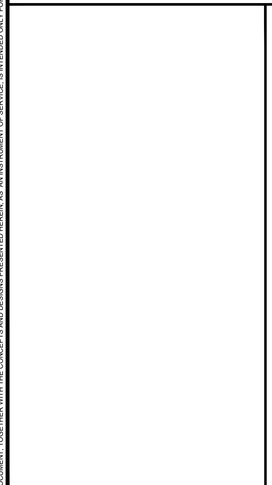
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #13
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 12" PVC FIRE MAIN OVER
PROP. 6" PVC SDR-26 SEWER LATERAL.

INTERFERENCE POINT #13

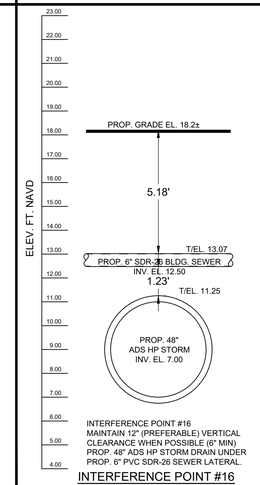
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #15
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 6" PVC FIRE MAIN.

INTERFERENCE POINT #15

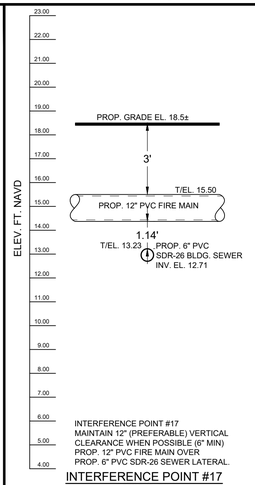
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #16
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN UNDER
PROP. 6" PVC SDR-26 SEWER LATERAL.

INTERFERENCE POINT #16

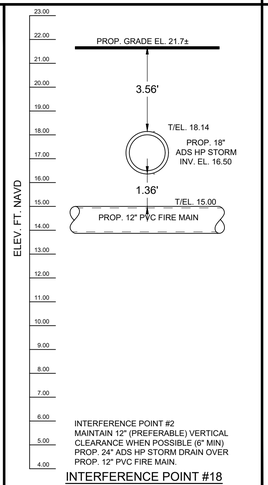
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #17
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 12" PVC FIRE MAIN OVER
PROP. 6" PVC SDR-26 SEWER LATERAL.

INTERFERENCE POINT #17

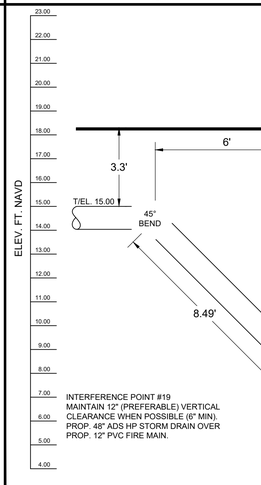
SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #2
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN OVER
PROP. 12" PVC FIRE MAIN.

INTERFERENCE POINT #18

SCALE: 1" = 3' H
1" = 3' V



INTERFERENCE POINT #19
MAINTAIN 12" (PREFERABLE) VERTICAL
CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 12" PVC FIRE MAIN.

INTERFERENCE POINT #19

SCALE: 1" = 3' H
1" = 3' V

SOUTH FLORIDA
LOGISTICS CENTER 95

UTILITY INTERFERENCE POINTS

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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PORT SAINT LUCIE, FL 34987
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MJSP-9202126163

21-210

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Z:\EDC-2021\21-210 - SFG Stonemont - 103-Acre Kings Highway\ENGINEERING\AutoCAD\DWG\21-210 (05-31-2023).dwg, 42 - INTERFERENCE POINTS - 1, 5/31/2023 5:29:59 PM, Bob Frost, EDC, Inc., EDC, Inc.

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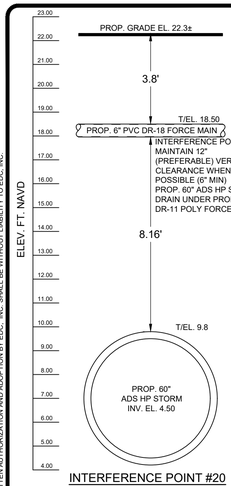
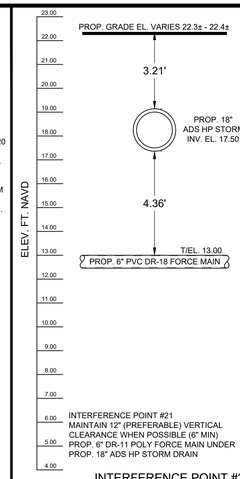
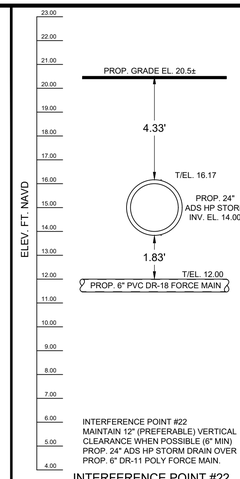
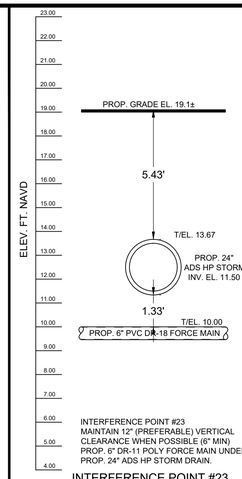
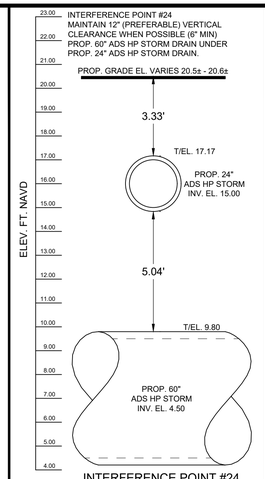
Z:\EDC 2021\21-210 - SFG Stonemont - 103-Acre Kings Highway\ENGINEERING\AutoCAD\DWGs\21-210 (05-31-2023).dwg, 43 - INTERFERENCE POINTS - 2, 5/31/2023 5:30:09 PM, Bob Frost, EDC Inc., EDC, Inc.

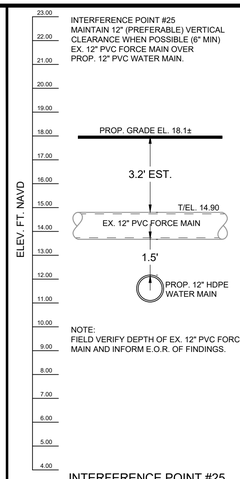


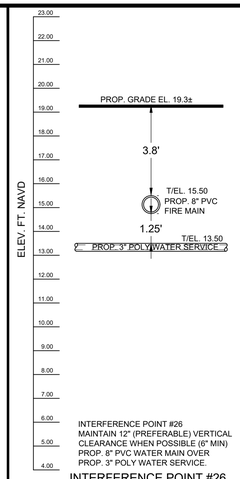


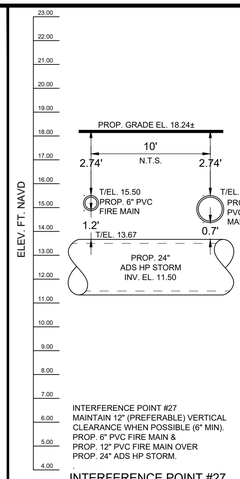


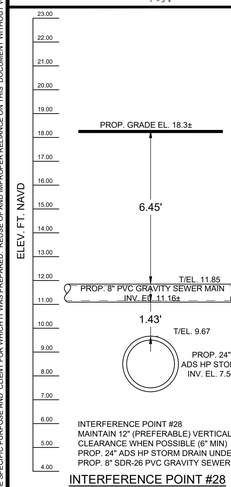


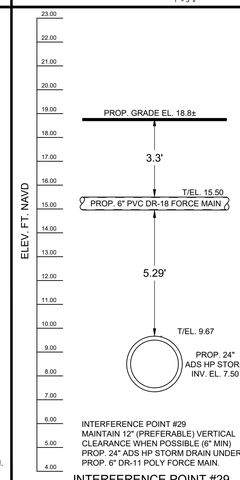


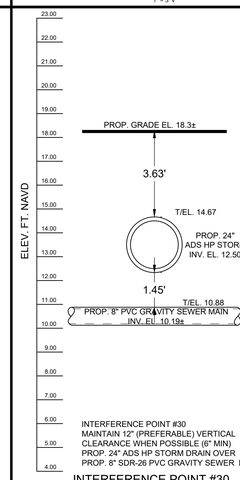


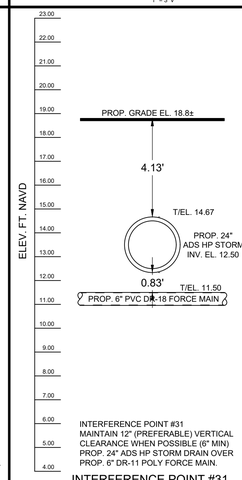


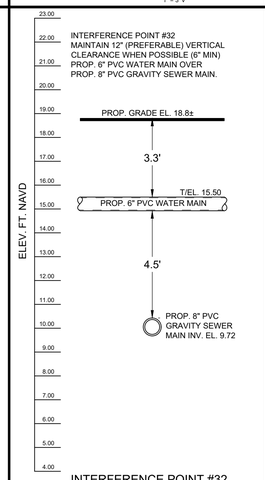


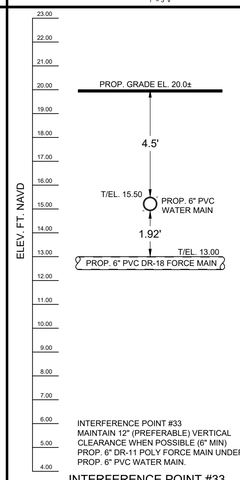


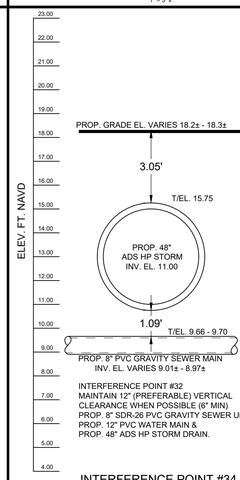


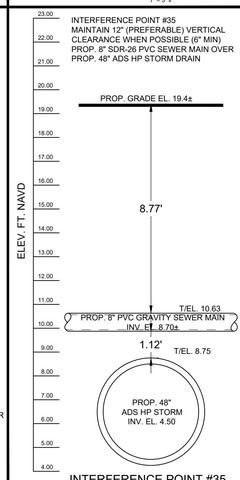


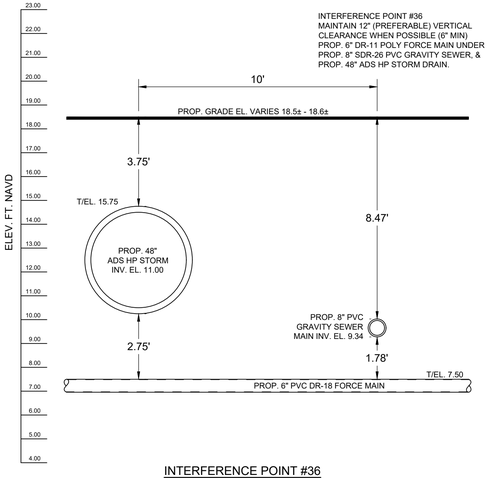


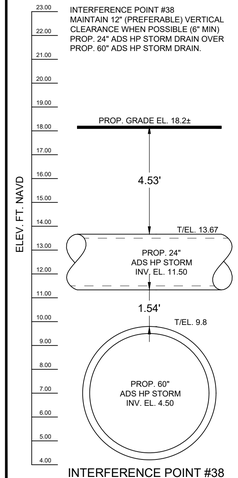


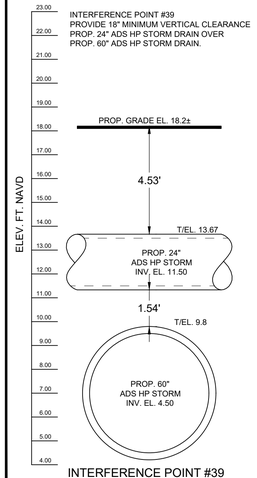


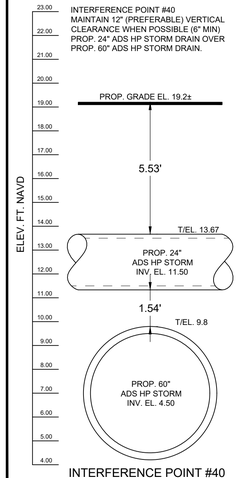


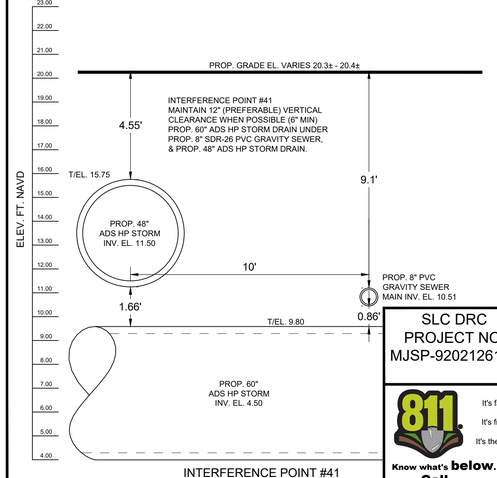












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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	43 - INTERFERENCE POINTS - 2
SCALE	AS SHOWN
DATE	24 MAY 2023

DATE	KEYSOFA COMMENTS
10-10-2022	ADDED INTER PT #34 FOR SECOND FDC TO BLDG #2 PER SLC FIRE MARSHALL
08-15-2022	REVISED UTILITY PLANS PER PTVA COMMENTS

SOUTH FLORIDA LOGISTICS CENTER 95

UTILITY INTERFERENCE POINTS

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DAVID C. BAGGETT, P.E.(DATE)
#81375

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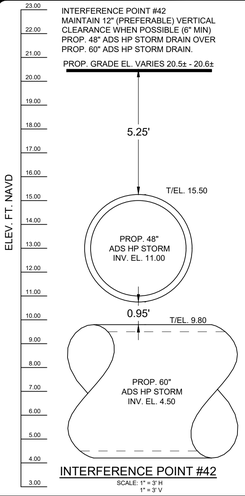
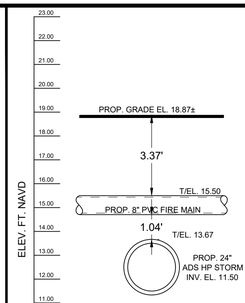
INTERFERENCE POINT #42
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 60" ADS HP STORM DRAIN.



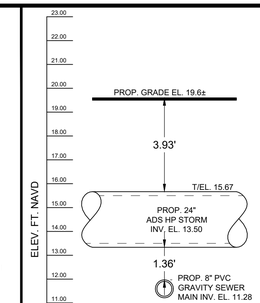
INTERFERENCE POINT #42
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #43
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN UNDER
PROP. 8" PVC FIRE MAIN



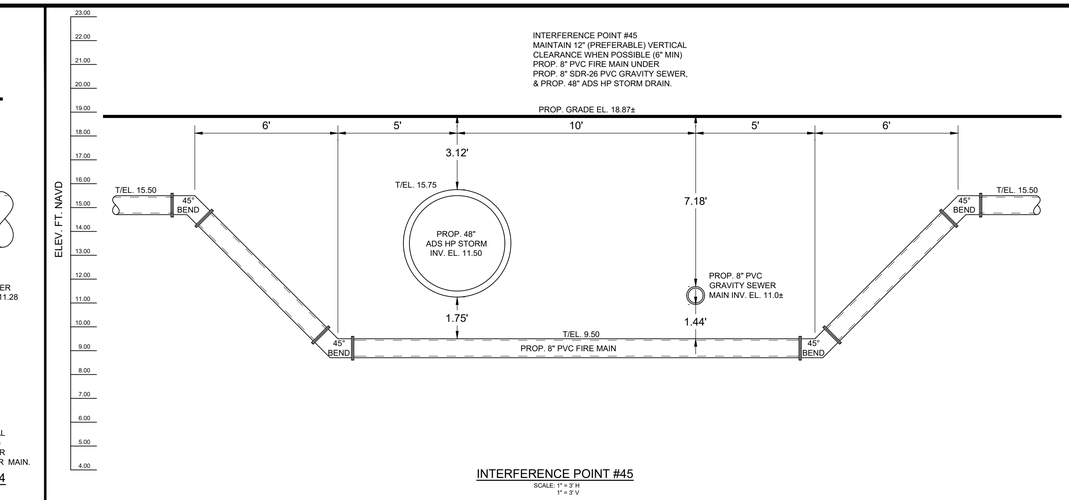
INTERFERENCE POINT #43
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #44
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 24" ADS HP STORM DRAIN OVER
PROP. 8" SDR-26 PVC GRAVITY SEWER MAIN.



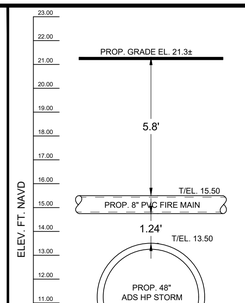
INTERFERENCE POINT #44
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #45
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 8" PVC FIRE MAIN UNDER
PROP. 8" SDR-26 PVC GRAVITY SEWER,
& PROP. 48" ADS HP STORM DRAIN.



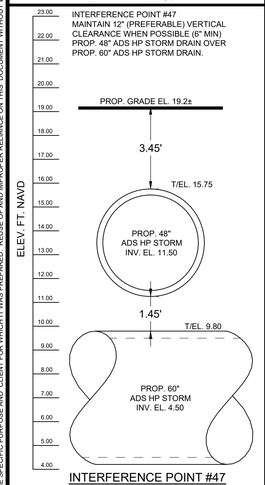
INTERFERENCE POINT #45
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #46
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN UNDER
PROP. 6" PVC FIRE MAIN.



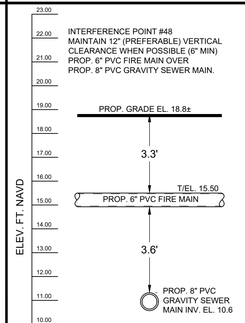
INTERFERENCE POINT #46
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #47
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 48" ADS HP STORM DRAIN OVER
PROP. 60" ADS HP STORM DRAIN.



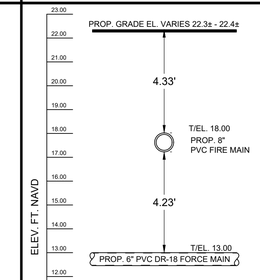
INTERFERENCE POINT #47
SCALE: 1" = 3' H

INTERFERENCE POINT #48
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 6" PVC FIRE MAIN OVER
PROP. 8" PVC GRAVITY SEWER MAIN.



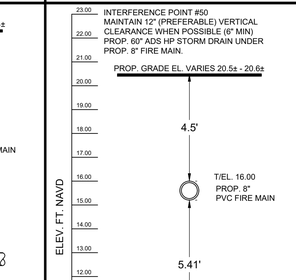
INTERFERENCE POINT #48
SCALE: 1" = 3' H

INTERFERENCE POINT #49
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 6" DR-11 POLY FORCE MAIN UNDER
PROP. 8" PVC FIRE MAIN



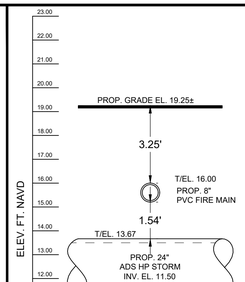
INTERFERENCE POINT #49
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #50
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 60" ADS HP STORM DRAIN UNDER
PROP. 8" FIRE MAIN.



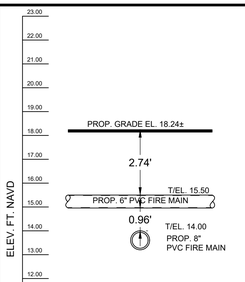
INTERFERENCE POINT #50
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #51
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 8" PVC FIRE MAIN OVER
PROP. 24" ADS HP STORM.



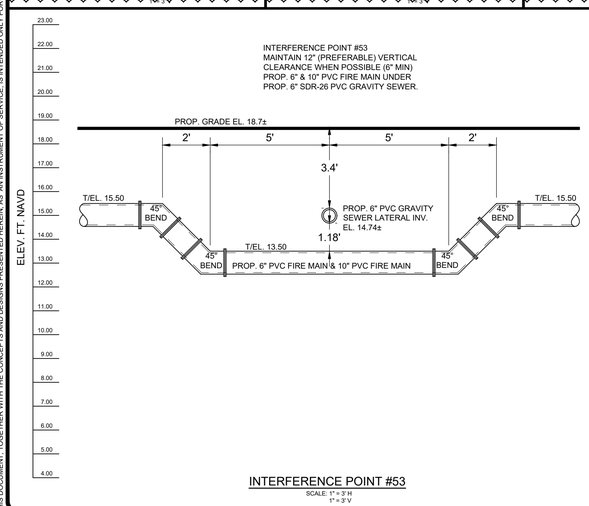
INTERFERENCE POINT #51
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #52
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN).
PROP. 6" PVC FIRE MAIN OVER
PROP. 8" PVC FIRE MAIN.



INTERFERENCE POINT #52
SCALE: 1" = 3' H, 1" = 3' V

INTERFERENCE POINT #53
MAINTAIN 12" (PREFERABLE) VERTICAL CLEARANCE WHEN POSSIBLE (6" MIN)
PROP. 6" & 10" PVC FIRE MAIN UNDER
PROP. 6" SDR-26 PVC GRAVITY SEWER.



INTERFERENCE POINT #53
SCALE: 1" = 3' H, 1" = 3' V

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DRAWN BY	RWF
FILENAME	21-210 (06-16-2023).dwg
LAYOUT	44 - INTERFERENCE POINTS - 3
SCALE	AS SHOWN
DATE	19 JUNE 2023

DATE	REVISION COMMENTS
08-15-2022	ADDED INTER. PT. #53 FOR BUILDING SEWER & FIRE MAIN CONFLICT
10-10-2022	ADDED INTER. PT. #46 FOR SECOND FDC TO BLDG. #2 PER SLC FIRE MARSHALL
07-14-2022	REVISED DIRECTIONAL BORE DETAIL PER FPUA COMMENTS.
05-15-2022	REVISED UTILITY PLANS PER FPUA COMMENTS.

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LOGISTICS CENTER 95
ST. LUCIE COUNTY FLORIDA

UTILITY INTERFERENCE POINTS

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#81375
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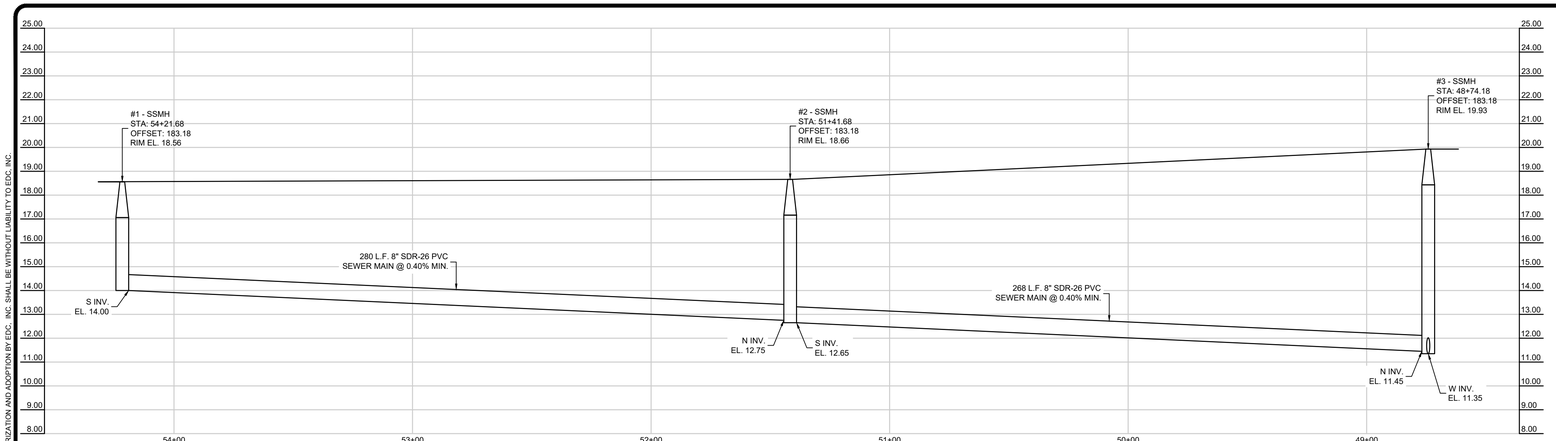
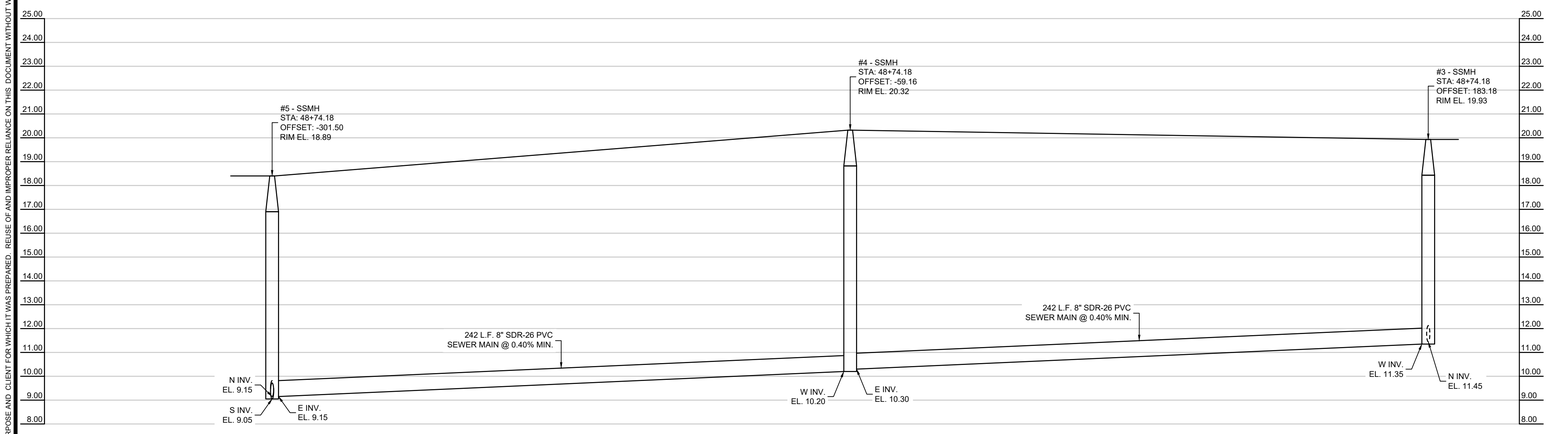


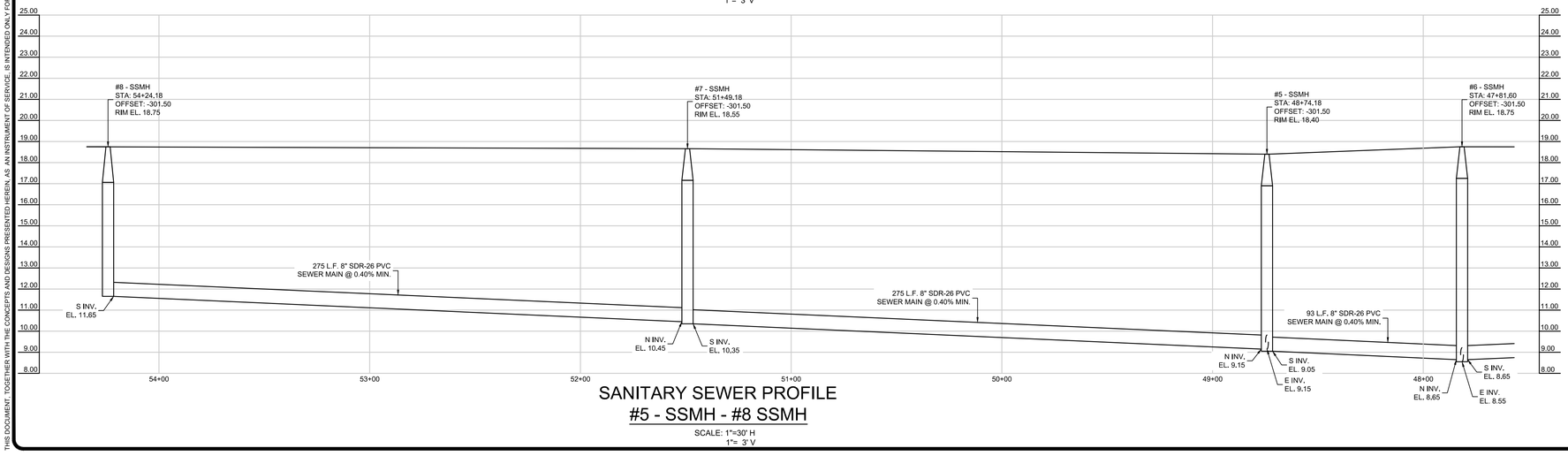
SCALE: 1"=30' H
1"= 3' V

SANITARY SEWER PROFILE
#1 - SSMH - #3 SSMH



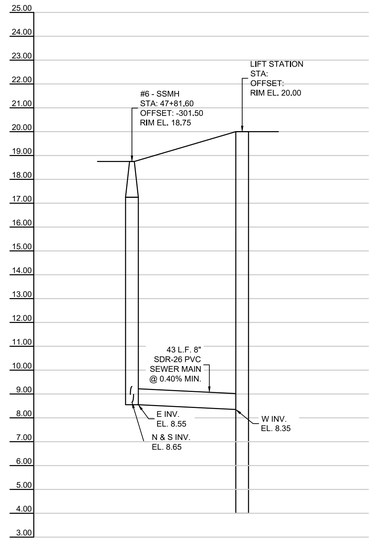
SANITARY SEWER PROFILE
#3 - SSMH - #5 SSMH

SCALE: 1"=30' H
1"= 3' V



SANITARY SEWER PROFILE
#5 - SSMH - #8 SSMH

SCALE: 1"=30' H
1"= 3' V



SANITARY SEWER PROFILE
#6 - SSMH - LIFT STATION

SCALE: 1"=30' H
1"= 3' V

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L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	45 - SEWER PROFILE - 1
SCALE	AS SHOWN
DATE	24 MAY 2023

DATE	REVISIONS COMMENTS
05-15-2023	REVISED UTILITY PLANS PER FPUA COMMENTS

SOUTH FLORIDA
LOGISTICS CENTER 95

SEWER PROFILE

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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21-210

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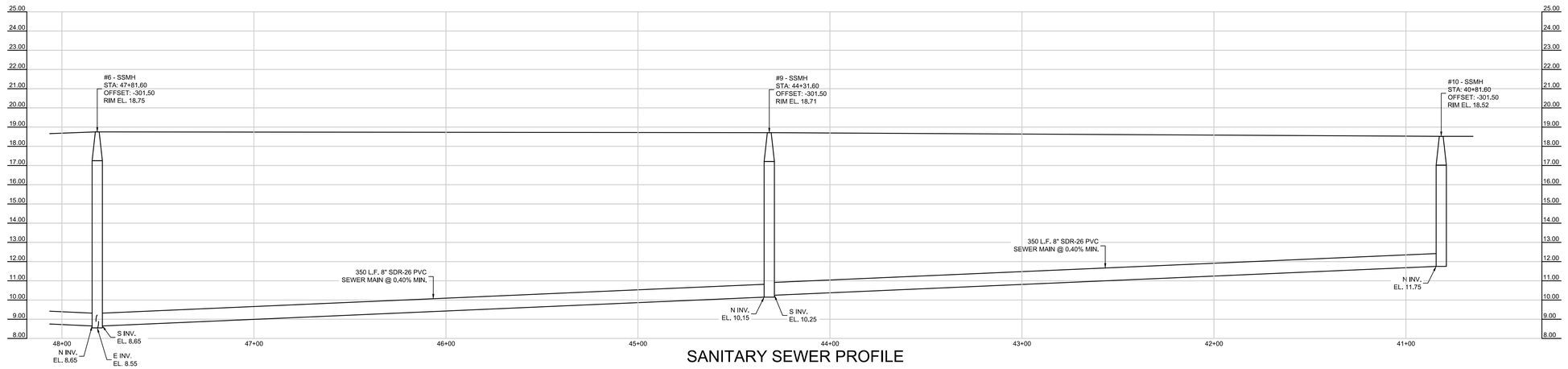
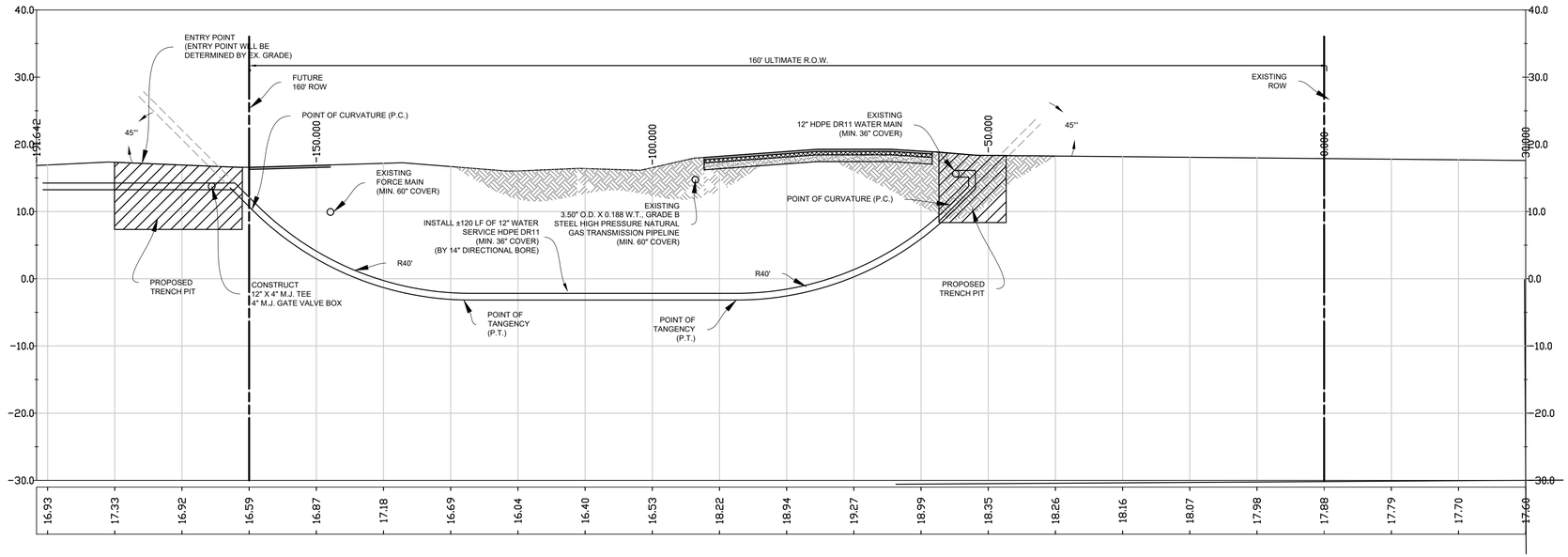


SANITARY SEWER PROFILE
#10 - SSMH - #9 SSMH & #6 SSMH

SCALE: 1"=30' H
1"= 3' V



WATER MAIN-DIRECTIONAL DRILL PROFILE

SCALE: 1" = 10'-0"

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FILENAME	21-210 (05-31-2023).dwg
LAYOUT	46 - SEWER PROFILE - 2
SCALE	AS SHOWN
DATE	24 MAY 2023

DATE	REVISIONS
05-15-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.
	KEYSIGN COMMENTS

SOUTH FLORIDA
LOGISTICS CENTER 95
SEWER PROFILE
FLORIDA
ST. LUCIE COUNTY

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PROJECT NO.
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MOPS

PRIVATE SERIES

MANUFACTURED ODORLESS PUMP STATION

ATLANTIC ENVIRONMENTAL SYSTEMS, INC.
LAKE WORTH, FL 33461
PH: (561) 547-8080 FAX: (561) 547-3999

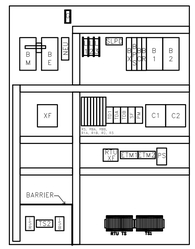
©2000

THIS DRAWING AND THE DESIGN CONTAINED HEREIN IS PROPRIETARY AND IS AND SHALL REMAIN THE PROPERTY OF ATLANTIC ENVIRONMENTAL SYSTEMS, INC. THIS DRAWING AND DESIGN SHOULD BE USED ONLY FOR THE PURPOSE FOR WHICH IT IS INTENDED, AND ONLY WITH WRITTEN AUTHORIZATION FROM ATLANTIC ENVIRONMENTAL SYSTEMS, INC. ANY REPRODUCTION, IN WHOLE OR IN PART, MUST CLEARLY SHOW THE ATLANTIC ENVIRONMENTAL NAME AND ADDRESS IN THE REPRODUCTION.

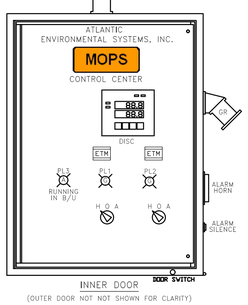
CONTROL CENTER DESIGNED & MANUFACTURED TO MEET ALL D.E.P. REQUIREMENTS

MOPS CONTROL CENTER

SEE SCHEDULE FOR ELECTRICAL SERVICE REQUIREMENTS



INTERIOR LAYOUT



INNER DOOR

(OUTER DOOR NOT SHOWN FOR CLARITY)

PANEL COMPONENTS

ALT	ALTERNATOR (IN DISC)
AS	ALARM SILENCE SWITCH
B1-2	MOTOR BREAKERS
BC	CONTROL BREAKER
BE	EMERGENCY BREAKER
BM	MAIN BREAKER
BR	GFI RECEPTACLE BREAKER
BPS	POWER SUPPLY BREAKER
BX	TRANSFORMER BREAKER
C1-2	MOTOR START CONTACTORS
CR	GFI CONVENIENCE RECEPTACLE
DISC	DUPLEX INTRINSICALLY- SC100 SAFE CONTROLLER
ETM	ELAPSED TIME METER
G	GROUND
GR	GENERATOR RECEPTACLE
H	HORN
HOA	HAND-OFF-AUTO SWITCH- GE (ON DISC)
NEU	NEUTRAL
PL1,2,3	PILOT LIGHT (GE)
PM	PHASE MONITOR
PS	POWER SUPPLY
R2-3	RELAYS
RBA-B	BATTERY RELAYS
RS	SILENCE RELAY
R1A-B	RELAYS
RTUXF	RTU TRANSFORMER
SF	SEAL FAIL RELAY
SLPD	SURGE/LIGHTNING PROTECTION DEVICE
TS1	TERMINAL STRIP FOR PUMPS
TS2	TERMINAL STRIP FOR LS.
XF	50/60Hz 0.5KVA TRANSFORMER

ENCLOSURE

NEMA 4X STAINLESS STEEL
SINGLE DOOR w/PADLOCK HASP
ALUMINUM INNER (DEAD FRONT) DOOR
30"H x 30"W x 8"D
PANEL LABELED FOR U.L. 508A "MOTOR CONTROL CENTERS" AND U.L. 698A "HAZARDOUS LOCATION PANELS"

NOTE:

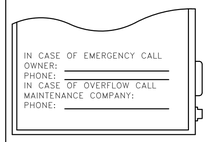
SEE CONTROL PANEL DETAIL SHEET FOR ADDITIONAL NOTES.

24	23	22	21	20	19	18	17	16	15	14	13
SPACE	NEU		NEU		120V		RTU TERMINALS		PUMP SEAL FAIL		MOTOR 1 LEADS

TS1 TERMINAL SCHEDULE

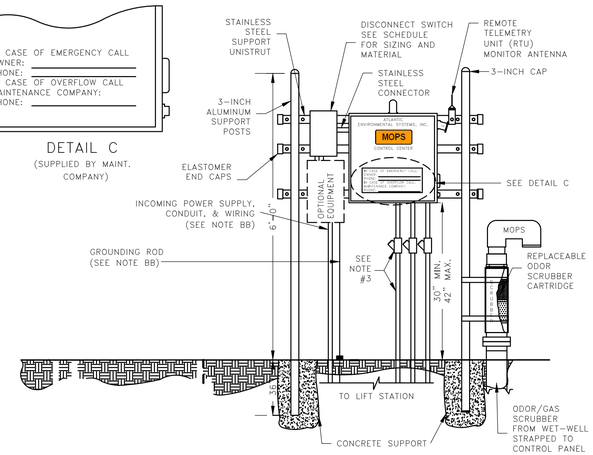
1	2	3	4	5	6	7	8	9	10
MT1 MOTOR 1		G N D	M1 M2	MOTOR 2 LEADS		MT2 MOTOR 2		G N D	

TS2 TERMINAL SCHEDULE

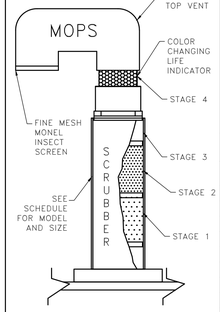


DETAIL C

(SUPPLIED BY MAINT. COMPANY)



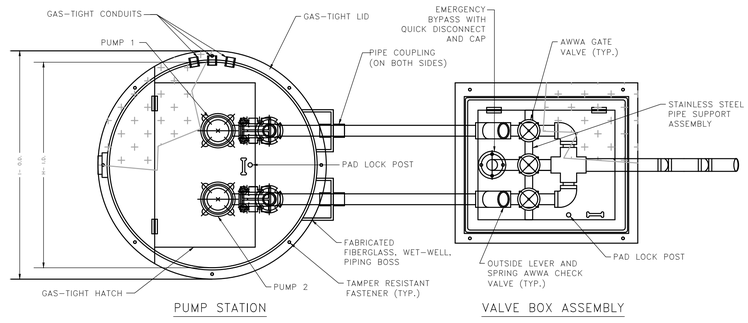
CONTROL CENTER ASSEMBLY AND INSTALLATION N.T.S.



DETAIL A

MOPS ODOR/GAS SCRUBBER

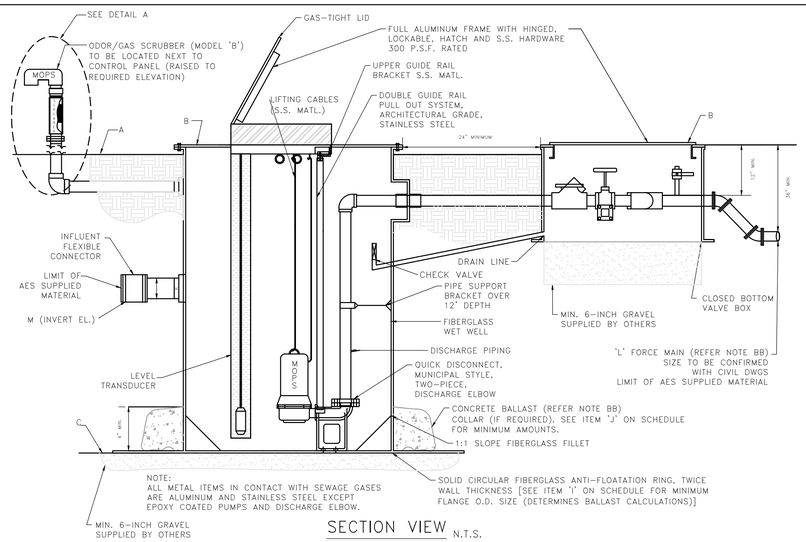
NOTES:
1. SCRUBBER DESIGNED TO REMOVE TOXIC SEWAGE GASES, H2S, AND OFFENSIVE ODORS SUCH AS SKATOLES AND MERCAPTANS.
2. SCRUBBER'S LIFE EXPECTANCY CALCULATIONS ARE INCLUDED IN SHOP DRAWING SUBMITTALS.
3. SCRUBBER UNIT CAN BE MOUNTED INSIDE WET-WELL OR TOP MOUNTED.
4. MODEL 'B' SHOWN.



PUMP STATION

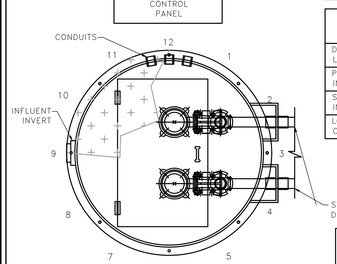
VALVE BOX ASSEMBLY

TOP VIEW N.T.S.



SECTION VIEW N.T.S.

HUB AND INVERT LOCATION



SCHEMATIC BASED ON THE STATION'S DISCHARGE BEING LOCATED AT THE #3 CLOCK POSITION. SEE SCHEDULE FOR LOCATION OF INVERTS AND CONTROL PANEL. LOCATIONS SUBJECT TO CHANGE.

ITEMS	CLOCK POSITION
DISCHARGE LINES	3:00
PRIMARY INVERT	9:00
SECONDARY INVERT	N/A
LOCATION OF CONTROL PANEL	12:00

NOTE: BACKFILL AROUND LIFT STATION FROM ANTI-FLOATATION RING UP TO FINISHED GRADE SHALL BE COMMON FILL COMPACTED IN 12-INCH MAX. LIFTS TO 98% DENSITY PER AASHTO T-180. CONTRACTOR SHALL EXERCISE CARE NOT TO DAMAGE WETWELL DURING COMPACTION.

MOPS PUMP STATION SCHEDULE

MOPS SERIES		ITEM	DESCRIPTION	
INITIAL DESIGN FLOW (G.P.M.)	215		100 YEAR FLOOD ELEVATION	TBD
INITIAL DESIGN HEAD (T.D.H.)	92'		25 YEAR FLOOD ELEVATION	TBD
SECONDARY DESIGN FLOW (G.P.M.)	N/A	A	GRADE ELEVATION	20.00'
SECONDARY DESIGN HEAD (T.D.H.)	N/A	B	TOP ELEVATION OF WET WELL	20.00'
RATED PERFORMANCE SPEED	3450	C	BOTTOM ELEVATION OF WET WELL	0.00'
RATED MOTOR HORSEPOWER	20	D	ALL PUMPS OFF ELEVATION	4.00'
SUBMERSIBLE PUMP TYPE (P-1,P-2)	NON-CLOG	E	LEAD PUMP ON ELEVATION	6.85'
PUMP MODEL NUMBER	MOPS	F	LAG PUMP ON ELEVATION	7.35'
SERVICE ENTRANCE VOLTAGE	460	G	HIGH ALARM ELEVATION	7.85'
SERVICE ENTRANCE PHASE	3	H	INSIDE DIAMETER OF WET-WELL	72"
CONTROL CENTER FULL LOAD AMPS	56	I	OUTSIDE DIAMETER OF ANTI-FLOATATION RING	96"
NEMA 3R PAINTED STEEL DISCONNECT SWITCH, RATED AMPS	60	J	MINIMUM CUBIC FEET OF CONCRETE BALLAST (CU YDS)	297/(11)
WET WELL SCOURER SYSTEM	N/A	K	INVERT PIPE DIAMETER	8"
REMOTE STATION MONITOR (TELEMETRY)	W/SA	L	FORCE MAIN DIAMETER	4"
ON-SITE GENERATOR SYSTEM	N/A	M	PRIMARY INVERT ELEVATION	8.35'
		N	SECONDARY INVERT ELEVATION	N/A

MOPS EQUIPMENT IDENTIFICATION	QTY.	MODEL DESIGNATION
MOPS PUMP STATION	1	A24-72240-D-20.0
MOPS VALVE BOX ASSEMBLY (VBA)	1	VBA-24
MOPS ODOR/GAS SCRUBBER (OGS)	1	OGS-B
MOPS CONTROL CENTER	1	PSC-232-20.0-T
MOPS DISCONNECT SWITCH	1	FDS-60-3-4-PS
MOPS CONTROL CENTER MOUNTING ASSEMBLY	1	CCMA-32AL
MOPS WET WELL SCOURER SYSTEM	0	N/A
MOPS REMOTE STATION MONITOR	1	PROVIDED WITH SERVICE AGREEMENT
1st YEAR SERVICE/MAINTENANCE CONTRACT	1	LEVEL 1 WITH REMOTE MONITOR
MOPS ON-SITE GENERATOR SYSTEM	0	N/A
MOPS FIELD SERVICE WORK	1	CONTROL INSTALLATION & START-UP

MOPS PUMP STATION COMPLIANCE NOTES:

THIS PUMP STATION DESIGN COMPLIES WITH THE FOLLOWING REQUIRED STANDARDS:

- STATE OF FLORIDA ENVIRONMENTAL PROTECTION STANDARDS
- FLORIDA ADMINISTRATIVE CODE (F.A.C.): 62-640.400- COLLECTION AND TRANSMISSION SYSTEMS
- NATIONAL ELECTRIC CODE (NEC) CLASS 1, DIVISION 1, GROUP D- HAZARDOUS LOCATIONS
- UNDERWRITER'S LABORATORIES (U.L.) 508A-MOTOR CONTROL CENTERS AND U.L. 698A-INSTRINSICALLY SAFE CONTROL CENTERS
- RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES (2014 EDITION).

1. PUMPS ARE RATED BY FACTORY MUTUAL FOR CLASS 1, DIVISION 1, GROUP D ATMOSPHERES AS REQUIRED BY NEC.
2. THE CONTROL CENTER INCORPORATES INTRINSICALLY SAFE RELAYS AND IS LISTED TO UL 698A INTRINSICALLY SAFE FOR CLASS 1, DIVISION 1 ATMOSPHERES.
3. THE CONDUIT PROVIDED, ALONG WITH CONDUIT GAS-SEAL-OFFS, ARE RATED FOR CLASS 1, DIVISION 1 LOCATIONS.
4. THE WASTEWATER PUMPS AND THE CONTROL CENTER INCORPORATE A MECHANICAL SEAL FAILURE DETECTION AND NOTIFICATION SYSTEM.
5. THE CONTROL CENTER INCLUDES EITHER A REMOTE TELEMETRY UNIT (RTU) OR A SELF-CHARGING, BACK-UP ALARM SYSTEM TO OPERATE ON POWER FAILURE.
6. THE PUMP STATION INCORPORATES AN ODORLESS DESIGN WITH A SCRUBBER SYSTEM TO CONTROL TOXIC GASES AND ODORS FOR COMPLIANCE TO F.A.C. 62-604.400.
7. THE BOTTOM OF THE TOP RIM ELEVATION OF PUMP STATION MUST BE LOCATED AT A HIGHER ELEVATION THAN THE 25 YEAR FLOOD ELEVATION. THE LISTED 25 YEAR FLOOD ELEVATION PROVIDED BY SITE CIVIL ENGINEER.
8. THE BOTTOM ELEVATION OF THE MOPS CONTROL CENTER MUST BE LOCATED AT A HIGHER ELEVATION THAN THE 100 YEAR FLOOD ELEVATION. THE LISTED 100 YEAR FLOOD ELEVATION PROVIDED BY THE SITE CIVIL ENGINEER.

MOPS ENGINEERING NOTES:

AA. THE HORSEPOWER SHOWN ON THE SCHEDULE IS A MINIMUM HORSEPOWER REQUIREMENT BASED ON THE STATION'S DESIGN CRITERIA AND THE REQUIRE TORQUE. (LOWER RATED HORSEPOWER EQUIPMENT WILL NOT BE ACCEPTABLE.)
BB. THESE ITEMS ARE NOT SUPPLIED BY A.E.S. WITH THE MOPS STATION.
CC. INVERT ELEVATIONS BASED ON INSIDE BOTTOM OF PIPE.
DD. THE MOPS CONTROL ASSEMBLY CONSISTS OF THE FOLLOWING: CONTROL CENTER DISCONNECT SWITCH, MOUNTING ASSEMBLY, ELECTRICAL CONDUITS, AND SEAL-OFF. THESE ITEMS MUST BE SUPPLIED AND INSTALLED BY THE MOPS PUMP STATION MANUFACTURER TO VALIDATE MOPS WARRANTY PROGRAM.
EE. FOR STATIONS IN MIAMI-DADE COUNTY, THE MOPS PUMP STATION IS SUPPLIED WITH A REMOTE TELEMETRY MONITORING UNIT AND A.E.S. MAINTENANCE SERVICE. THE R.T.U. ALLOWS FOR MONITORING OF LAG ALARM, HIGH ALARM, AND POWER FAILURE PER CHAPTER 24.42.2(5). THE R.T.U. IS EQUIPPED WITH A BATTERY BACK UP AND IS INSTALLED ABOVE THE 100 YEAR FLOOD ELEVATION.

THE MOPS WASTEWATER PUMP STATION DESIGN AND EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN REVIEWED, PERMITTED, AND CERTIFIED AS COMPLYING WITH ALL THE STATE OF FLORIDA D.E.P. AND LOCAL REQUIREMENTS. ANY SUBSTITUTION FROM THIS DESIGN MAY REQUIRE NEW PERMITS, APPLICATION FEES, AND ENGINEERING SERVICES FOR RE-CERTIFICATION AND DESIGN REVIEW.

P.E. CERTIFICATION:

Bonnie McLeod, P.E., Lic # 70797 V.P. of Engineering
Atlantic Environmental Systems, Inc., Certificate # 26398
2244 4th Ave. North, Lake Worth, Florida 33461
Ph: 561-547-8080 Fax: 561-547-3999

SLC DRC PROJECT NO. MJSP-9202126163

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	47 - (MOPS) LIFT STATION DETAILS
SCALE	AS SHOWN
DATE	24 MAY 2023

REVISION COMMENTS	DATE
REPLACED PIUA LIFT STATION WITH MOPS LIFT STATION PER CLIENT/CONTRACTOR	05-24-2023
REVISED UTILITY PLANS PER PTUA COMMENTS	06-15-2022

SOUTH FLORIDA LOGISTICS CENTER 95
(MOPS)
LIFT STATION DETAILS
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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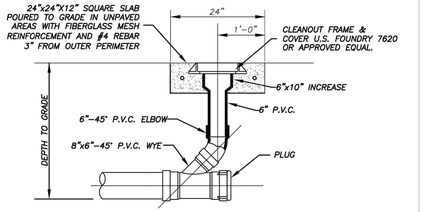
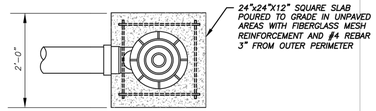


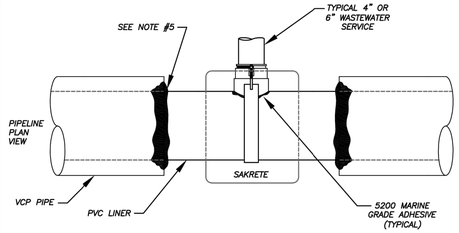
SECTION

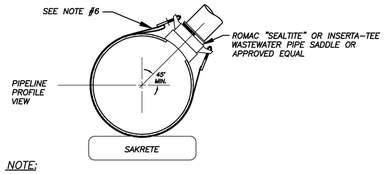


PLAN

TERMINAL CLEANOUT DETAIL (COMMERCIAL)
(N.T.S.)

FPUA COMMUNITY PROUD	TERMINAL CLEANOUT DETAIL WASTEWATER		S-4B
10-06 DATE:	REVISION:	BY:	APP'D:
DESIGNED: JLC	COMPUTER FILE # SEWER DETAIL 200602.DWG		WATER/WASTEWATER ENGINEERING
DRAWN BY: SLL	SCALE: N.T.S.		FT. PIERCE UTILITIES AUTHORITY
APPROVED: JLC	DATE: 2010	SHEET 2 OF 3	



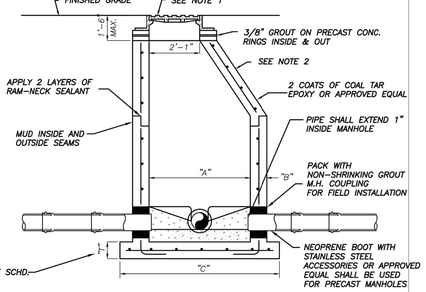


NOTE:

1) INSERTA-TEE'S ARE NOT TO BE USED DURING NEW CONSTRUCTION.
2) INSERTA-TEES ARE ONLY APPROVED FOR INSTALLATION ON 24" AND LARGER SEWER MAINS.
3) ROMAC SADDLE SHALL BE USED AS A TEMPLATE FOR DETERMINING HOLE SIZE AND LOCATION.
4) 5200 MARINE GRADE ADHESIVE SHALL BE USED TO SEAL ROMAC GASKET TO LINER
5) SEAL EXPOSED LINER TO VCP WITH HYDRAULIC CEMENT
6) ENSURE TO FOLD STRAP BACK AGAINST ITSELF PLACING FREE END BETWEEN STRAP AND PIPE. ON SMALL PIPE, IT MAY BE NECESSARY TO FOLD END TWICE.

WASTEWATER SERVICE DETAIL
(FOR LINED SEWER MAIN)
(N.T.S.)

FPUA COMMUNITY PROUD	WASTEWATER SERVICE DETAIL (FOR LINED SEWER MAIN)		S-5
06-2012 DATE:	REVISION:	JLC BY:	Dept. APP'D:
DESIGNED: JLC	COMPUTER FILE # SEWER DETAIL 200602.DWG		WATER/WASTEWATER ENGINEERING
DRAWN BY: SLL	SCALE: N.T.S.		FT. PIERCE UTILITIES AUTHORITY
APPROVED: JLC	DATE: 2010	SHEET 1 OF 1	



PIPE DIA.	"A"	"B"	"C"	BOT. SLAB "T"
8"-24"	4'-0"	"8"	76"	8"
30"-36"	5'-0"	"8"	88"	10"
42"-48"	6'-0"	"8"	100"	12"

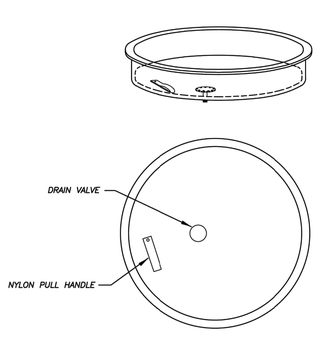
TYPICAL MANHOLE DIMENSIONS

NOTES:

1) MANHOLE FRAME & COVER WITH THE WORDS " SANITARY SEWER" CAST IN THE COVER. U.S. FOUNDRY 170 OR APPROVED EQUAL.
2) ALL CONCRETE MANHOLES TO BE 4000 P.S.I. TO MEET OR EXCEED ASTM C478 ALL CEMENT TO BE TYPE II ACID RESISTANT. REINFORCING AREA OF 0.02 SQ. IN/FT FOR WALL SECTION MIN. TO MEET OR EXCEED ASTM A 185.
3) A MAXIMUM OF 2 LAYERS OF PRECAST CONCRETE RINGS, IF REQUIRED.
4) RAIN GUARDS SHALL BE INSTALLED IN MANHOLES THAT HAVE GRAVITY MAINS 12" OR LESS.

STANDARD MANHOLE
DEPTH 5'-0" AND GREATER
(N.T.S.)

FPUA COMMUNITY PROUD	PRECAST MANHOLE DEPTH 5'- 0" & GREATER		S-7
02-06 DATE:	REVISION:	BY:	APP'D:
DESIGNED: JLC	COMPUTER FILE # SEWER DETAIL 200602.DWG		WATER/WASTEWATER ENGINEERING
DRAWN BY: SLL	SCALE: N.T.S.		FT. PIERCE UTILITIES AUTHORITY
APPROVED: JLC	DATE: 2010	SHEET 1 OF 1	

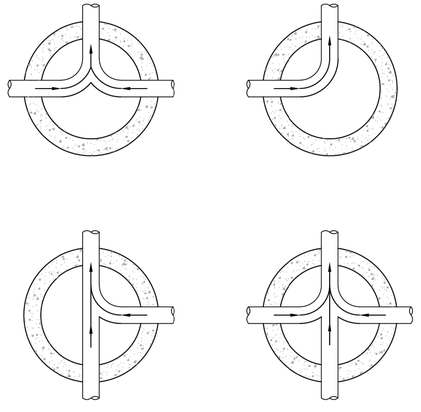


NOTES:

1) SEWER RAIN GUARDS SHALL BE INSTALLED ON ALL MANHOLES WHERE GRAVITY MAINS ARE 12" OR LESS AND IN AREAS DESIGNATED BY ENGINEER TO BE IN A FLOOD AREA.
2) SEWER RAIN GUARDS SHALL BE MANUFACTURED BY PARSON ENVIRONMENTAL PRODUCTS, INC., PART # PMI-23S (PARSON MANHOLE INSERTS) WITH DOUBLE VALVING, OR APPROVED EQUAL.
3) RAINGUARDS MUST BE "SNUG" FIT.

RAINGUARD DETAIL
(N.T.S.)

FPUA COMMUNITY PROUD	RAINGUARD DETAIL		S-11
03-09 DATE:	REVISION:	SLL BY:	JLC APP'D:
DESIGNED: SLL	COMPUTER FILE # SEWER DETAIL 200602.DWG		WATER/WASTEWATER ENGINEERING
DRAWN BY: SLL	SCALE: N.T.S.		FT. PIERCE UTILITIES AUTHORITY
APPROVED: JLC	DATE: 2010	SHEET 1 OF 1	



NOTES:

1) INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
2) SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOWS.

FPUA COMMUNITY PROUD	FLOW PATTERNS FOR INVERT CHANNELS		S-12
DATE:	REVISION:	BY:	APP'D:
DESIGNED: JJM	COMPUTER FILE # SEWER DETAIL 200602.DWG		WATER/WASTEWATER ENGINEERING
DRAWN BY: JJM	SCALE: N.T.S.		FT. PIERCE UTILITIES AUTHORITY
APPROVED: JLC	DATE: 2010	SHEET 1 OF 1	

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RWF	DRAWN BY
21-210 (05-31-2023).dwg	FILENAME
49 - UTILITY DETAILS - S	LAYOUT
AS SHOWN	SCALE
24 MAY 2023	DATE
05-15-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.
	REVISION COMMENTS
	DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

UTILITY DETAILS - SEWER

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
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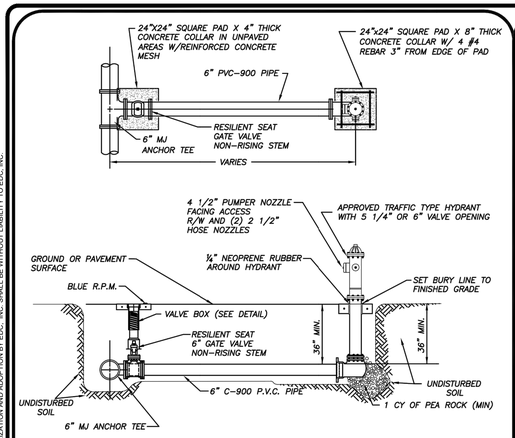
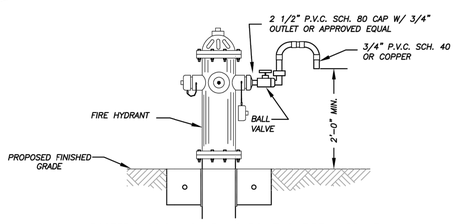


NOTES:

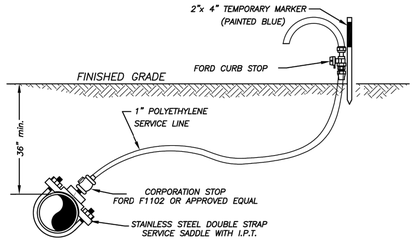
1. HYDRANT SHALL BE INSTALLED PLUMB & TRUE.
2. HYDRANT SHALL BE PAINTED CARNIVAL RED FROM FACTORY.
3. HEEL TO REST IN UNDISTURBED SOIL.
4. THE ONLY HYDRANTS ACCEPTABLE ARE: MUELLER SUPER CENTURION 250 OR AMERICAN DARLING B-84-B-5.
5. HYDRANT ASSEMBLY MUST BE RESTRAINED TO TEE.
6. ALL FITTINGS SHALL BE MECHANICAL JOINT.
7. ENTIRE ASSEMBLY TO BE MECHANICALLY RESTRAINED.
8. BLUE LOCATOR SHALL BE PLACED IN CENTER OF TRAVEL LANE CLOSEST TO HYDRANT.
9. ALL HYDRANT VALVE BOX COVERS SHALL BE PAINTED CARNIVAL RED.
10. LOCATE WIRE SHALL TERMINATE AT HYDRANT ISOLATION VALVE.
11. HYDRANTS SHALL BE NO MORE THAN FIFTEEN FEET (15 FT.) FROM THE CURB OF ROADWAYS OR FROM THE EDGE OF PAVEMENT. CLEARANCES OF SEVEN AND ONE HALF FEET (7FT-6IN.) IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANTS, WITH FOUR FOOT (4 FT.) CLEARANCE TO THE REAR OF HYDRANTS SHALL BE MAINTAINED.

TYPICAL FIRE HYDRANT ASSEMBLY
(N.T.S.)

FPUA COMMUNITY PROUD — FT. PIERCE UTILITIES AUTHORITY, WATER/WASTEWATER ENGINEERING, 1701 SOUTH 5TH STREET, FT. PIERCE, FLORIDA 34947, 772-466-1600	TYPICAL FIRE HYDRANT ASSEMBLY	W-5
03-09 DESIGN SLL JLC DATE: REVISION: BY: APPD: DESIGNED: JLC — COMPUTER FILE # WATERDETAIL.DWG DRAWN BY: SLL — SCALE: N.T.S. APPROVED: JLC — DATE: 2010 — SHEET 1 OF 1	WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY	



BACTERIOLOGICAL SAMPLING POINT @ FIRE HYDRANT
(N.T.S.)

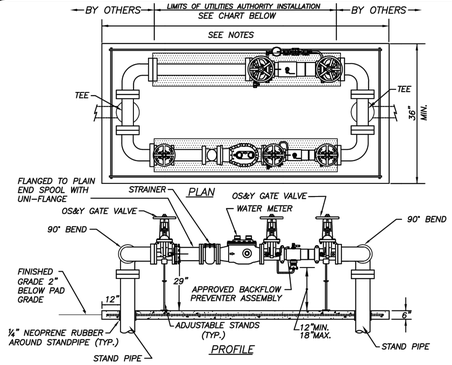


BACTERIOLOGICAL SAMPLING POINT @ WATER MAIN
(N.T.S.)

NOTE:

AFTER TESTING REMOVE 1" P.E. LINE AND CAP WITH BRASS PLUG AT CORPORATION STOP.

FPUA COMMUNITY PROUD — FT. PIERCE UTILITIES AUTHORITY, WATER/WASTEWATER ENGINEERING, 1701 SOUTH 5TH STREET, FT. PIERCE, FLORIDA 34947, 772-466-1600	BACTERIOLOGICAL SAMPLING PONIT DETAIL	W-6
03-09 02-15 SLL JLC DATE: REVISION: BY: APPD: DESIGNED: JLC — COMPUTER FILE # WATERDETAIL.DWG DRAWN BY: SLL — SCALE: N.T.S. APPROVED: JLC — DATE: 2010 — SHEET 1 OF 1	WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY	



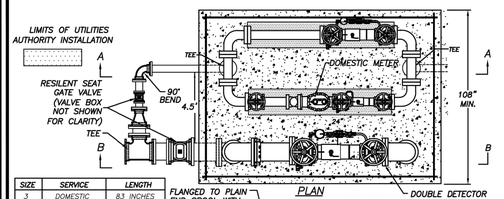
NOTES:

1. LANDSCAPING IS REQUIRED PER CITY OF FORT PIERCE OR ST. LUCIE COUNTY ORDINANCE. NO PLANTS OR TREES WITHIN 36" AROUND METER TO ALLOW MAINTENANCE WITHOUT DAMAGE TO PLANTS ETC.
2. CONTRACTOR TO INSTALL APPROPRIATE SIZED SPOOL PIECES TO FIT BETWEEN 90° BENDS UNTIL METERS ARE APPROVED FOR INSTALLATION. ALL SPOOL PIECES SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE IN ACCORDANCE WITH THE CHART BELOW.
3. PRIOR TO POURING CONCRETE PAD, VERIFY THAT THE STANDPIPES ARE PLUMB, TRUE AND ARE INSTALLED AT THE SAME ELEVATION IN THE PRESENCE OF THE FPUA INSPECTOR.
4. ALL CONCRETE SHALL HAVE FIBERGLASS MESH REINFORCEMENT WITH #4 REBAR 3" FROM THE OUTER PERIMETER.

SIZE	SERVICE	LENGTH
3	COMPOUND	83 INCHES
4	COMPOUND	95 INCHES
6	COMPOUND	106 INCHES

WATER METER/BACKFLOW PREVENTER ASSEMBLY
COMMERCIAL WATER METER SERVICES (METER SIZE > 3")

FPUA COMMUNITY PROUD — FT. PIERCE UTILITIES AUTHORITY, WATER/WASTEWATER ENGINEERING, 1701 SOUTH 5TH STREET, FT. PIERCE, FLORIDA 34947, 772-466-1600	WATER METER/BACKFLOW PREVENTER DOMESTIC SERVICE (METER SIZE ≥ 3")	W-9
03-09 CONCRETE SLAB SLL JLC DATE: REVISION: BY: APPD: DESIGNED: JLC — COMPUTER FILE # WATER DETAILS 200602.DWG DRAWN BY: SLL — SCALE: N.T.S. APPROVED: JLC — DATE: 2010 — SHEET 1 OF 1	WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY	



SIZE	SERVICE	LENGTH
3	DOMESTIC	83 INCHES
4	DOMESTIC	95 INCHES
6	DOMESTIC	106 INCHES

SIZE	SERVICE	LENGTH
4	FIRE DDC	53 INCHES
6	FIRE DDC	62 INCHES
8	FIRE DDC	69 INCHES
10	FIRE DDC	76 INCHES

WATER METER/BACKFLOW PREVENTER ASSEMBLY
FIRE SERVICE WITH DOMESTIC SUPPLY
(N.T.S.)

NOTES:

1. LANDSCAPING IS REQUIRED PER CITY OF FORT PIERCE OR ST. LUCIE COUNTY ORDINANCE. NO PLANTS OR TREES WITHIN 36" AROUND METER TO ALLOW MAINTENANCE WITHOUT DAMAGE TO PLANTS ETC.
2. NO SOLDER JOINTS.
3. ASSEMBLY TO BE 29" FROM FINISH GRADE TO CENTERLINE OF THE FLANGED 90° BEND.
4. DOMESTIC SERVICE 2" OR LESS, USE 2" POLY STUBBED 12" ABOVE GRADE.
5. ALL CONCRETE SHALL HAVE FIBERGLASS MESH REINFORCEMENT WITH #4 REBAR 3" FROM THE OUTER PERIMETER

FPUA COMMUNITY PROUD — FT. PIERCE UTILITIES AUTHORITY, WATER/WASTEWATER ENGINEERING, 1701 SOUTH 5TH STREET, FT. PIERCE, FLORIDA 34947, 772-466-1600	WATER METER/BACKFLOW PREVENTER FIRE SERVICE WITH DOMESTIC SUPPLY	W-11
03-09 CONCRETE PAD SLL JLC DATE: REVISION: BY: APPD: DESIGNED: JLC — COMPUTER FILE # WATER DETAILS 200602.DWG DRAWN BY: SLL — SCALE: N.T.S. APPROVED: JLC — DATE: 2010 — SHEET 1 OF 1	WATER/WASTEWATER ENGINEERING FT. PIERCE UTILITIES AUTHORITY	

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LAYOUT	50 - UTILITY DETAILS - W
SCALE	AS SHOWN
DATE	24 MAY 2023

05-15-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.
DATE	REVISION COMMENTS

SOUTH FLORIDA LOGISTICS CENTER 95
UTILITY DETAILS - WATER
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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FORT PIERCE UTILITIES AUTHORITY
WATER DISTRIBUTION NOTES CONTINUED

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING UTILITIES AND DRAINAGE.
17. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER INCLUDING LOCATIONS OF VALVES, FITTINGS, SERVICE CONNECTIONS, BLOWOFFS, AIR RELEASE VALVES, AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT, AS REQUIRED BY THE UTILITIES ENGINEER.
18. THE CONTRACTOR SHALL TAP EXISTING LINES UNDER THE SUPERVISION OF THE FORT PIERCE UTILITIES AUTHORITY ONLY AFTER TESTING AND DISINFECTION HAS BEEN COMPLETED AND APPROVED ON THE TAPPING VALVE AND SLEEVE.
19. WATER MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THHN MULTI STRANDED WIRE (BLUE IN COLOR) AND IDENTIFACTION TAPE WITH "WATER" MARKED ON TAPE, PERMANENTLY ATTACHED TO THE TOP OF THE WATER MAIN IN ACCORDANCE WITH THE FORT PIERCE UTILITES AUTHORITY SPECIFICATIONS.
20. SERVICE TAPS SHALL BE PLACED APPROXIMATELY TEN FEET AWAY FROM GATE VALVES, AS SHOWN, FOR TESTING. FOLLOWING TESTING AND STERILIZATION OF WATER LINE. CONTRACTOR SHALL PLACE A BRASS PLUG IN CORPORATION STOPS AND CURB STOPS SHALL BE REMOVED FROM TESTING LOCATIONS.
21. MECHANICAL RESTRAINTS TO BE USED ON ALL FITTINGS AND PLACED IN ACCORDANCE WITH MANUFACTURER'S OR ENGINEER'S RECOMMENDATIONS (WHICHEVER IS MORE STRINGENT) AND FPUA REQUIREMENTS.
22. ALL MAINS SHALL BE TESTED AT A MINIMUM OF 150 PSI. TESTING METHODS SHALL CONFORM TO AWWA C-600. – 2 HR MINIMUM TEST

$$L = \frac{SD(P)^{1/2}}{148{,}000}$$

L= LEAKAGE IN GPH
S= LENGTH OF PIPE IN FEET
D= PIPE DIAMETER IN INCHES
P= TESTING PRESSURE IN PSI

23. PRIOR TO ANY TESTING, ALL MAINS 6" IN DIA. AND LARGER SHALL HAVE A SWAB PASSED THRU THE ENTIRE LENGTH OF THE LINE. NOTE: SWAB SHOULD BE PLACED IN 1st JOINT OF NEW LINE. END OF MAIN SHOULD BE "TURNED UP" AT 45% AND EXTENDED SO THAT SWABBING AND A FULL BORE FLUSH CAN BE ACCOMPLISHED. BLOW-OFF ASSY CAN THEN BE PLACED. WHERE LINES BRANCH, SWABS WILL BE PLACED IN BRANCH LINES AND SEQUENTIALLY SWABBED AND FLUSHED.
24. A MINIMUM SIX FEET AND PREFERABLY TEN FEET HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY WASTEWATER LINES. 6 INCHES MINIMUM VERTICAL SEPARATION IF WATER MAIN IS OVER WASTEWATER AND 12 INCHES IF WATER MAIN IS UNDER SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY WASTWATER LINES. THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE OR STRUCTURE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
25. WHERE A WATER MAIN IS TO BE INSTALLED BELOW A STORM DRAIN PIPE, A MINIMUM OF 6 INCHES OF VERTICAL CLEARANCE BETWEEN PIPES SHALL BE CONSTRUCTED OF DIP AT THE CROSSING, AND SHALL BE MECHANICALLY RESTRAINED WITHIN 20 FEET OF THE CROSSING.
26. CONTRACTOR SHALL COMPLY WITH FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

WATER DISTRIBUTION		G-1 NOTES
02-06 DATE:	REVISION: BY: APPD:	WATER/WASTEWATER ENGINEERING
DESIGNED: JJM	COMPUTER FILE # DETAIL NOTES 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: JJM	SCALE: N.T.S.	
APPROVED: JLC	DATE: 2010	SHEET 2 OF 2

FORT PIERCE UTILITIES AUTHORITY
WATER DISTRIBUTION NOTES

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
2. WATER MAINS WHERE SPECIFIED AS POLYVINYL CHLORIDE (PVC) SHALL CONFORM TO AWWA C-900 OR C-905, PRESSURE CLASS 150, OR (18). WATER MAINS WHERE SPECIFIED AS POLYETHYLENE (PE) SHALL CONFORM TO AWWA C-901 OR C-906, STANDARD CODE DESIGNATION PE3408, PIPE CLASS 200, DIMENSION RATIO (DR) 17 FOR DIRECT BURY, (DR) 11 FOR DIRECTIONAL BORING, AND (DR) 9 FOR 2 INCH AND SMALLER PIPELINES.
3. WATER MAIN, WHERE SPECIFIED AS DUCTILE IRON PIPE , SHALL CONFORM TO ANSI/AWWA C151/A21.51 AND SHALL BE PRESSURE CLASS 250 (MINIMUM).
4. POLYVINYL CHLORIDE WATER MAIN SHALL BE BLUE IN COLOR OR WHITE IN COLOR WITH BLUE STRIPES. THE USE OF IDENTIFICATION TAPE ATTACHED TO THE TOP OF THE PIPE MAY BE USED IN LIEU OF MARKING ON THE PIPE; ALSO DIP PIPE SHALL REQUIRE THE USE OF IDENTIFICATION TAPE AND THHN WIRE.
5. FITTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C-110/A21.10, CLASS 250 MIN., CEMENT LINED AND FACTORY COATED
6. GATE VALVES SHALL BE MUELLER RESILIENT SEAT, KENNDY KEN-SEAL, AMERICAN OR APPROVED EQUAL. VALVES SHALL CONFORM TO AWWA C-509.
7. WATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY, COUNTY, FDOT. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
8. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE FPUA ENGINEER AND CITY/COUNTY/FDOT ENGINEER.
9. THE CONTRACTOR SHALL NOTIFY FPUA ENGINEERING AND CITY/COUNTY/FDOT ENGINEERING 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
10. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, FPUA, AND CITY/ COUNTY/FDOT ENGINEER SHALL BE MANDATORY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. TRAFFIC CONTROL, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND APPROVED BY THE CITY ENGINEER.
12. MINIMUM COVER SHALL BE 36 INCHES EXCEPT AS APPROVED BY THE UTILITIES ENGINEER AND CITY/ COUNTY/FDOT ENGINEER. PIPES WITH COVER LESS THAN 30 INCHES SHALL BE CONSTRUCTED OF DUCTILE IRON OR IN PVC CASING.
13. DISTURBED AREAS SHALL BE RESTORED IN CONFORMANCE WITH THE APPLICABLE GOVERNING AGENCY REQUIREMENTS.
14. EXISTING UTILITIES AND DRAINAGE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND PROTECTED BY THE CONTRACTOR.
15. WATER MAINS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AWWA C-651 FOR DISINFECTION.

WATER DISTRIBUTION		G-1 NOTES
02-06 DATE:	REVISION: BY: APPD:	WATER/WASTEWATER ENGINEERING
DESIGNED: JJM	COMPUTER FILE # DETAIL NOTES 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: JJM	SCALE: N.T.S.	
APPROVED: JLC	DATE: 2010	SHEET 1 OF 2

FORT PIERCE UTILITIES AUTHORITY WASTEWATER CONSTRUCTION NOTES

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
2. GRAVITY SEWER MAIN SHALL BE POLYVINYL CHLORIDE SDR-26, GREEN OR WHITE IN COLOR, GRAVITY SEWER MAIN SHALL HAVE LOCATOR TAPE WITH "SEWER" MARKED ON TAPE AND SHALL CONFORM TO ASTM D-3034.
3. THE MANHOLE BASE SHALL BE SET ON A FIRM, DRY AND STABLE OR COMPACTED BASE FOUNDATION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE ROCK TO PROVIDE A FIRM AND SUITABLE MANHOLE BASE FOUNDATION.
4. WASTEWATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY ENGINEERING DEPARTMENT. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THEN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
5. A 1% MINIMUM SLOPE SHALL BE MAINTAINED ON ALL SANITARY SERVICE LATERALS.
6. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER CONSISITING OF PIPE SIZES, LOCATION OF SERVICE TEE WYES, DIAMETER OF SERVICES, LOCATION OF ANY FITTINGS, FINAL RIM AND INVERT ELEVATION OF ALL MANHOLES AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT.
7. MAINTAIN SIX FEET AND PREFERABLY 10 FEET HORIZONTAL DISTANCE BETWEEN WATER MAINS AND SEWER MAINS AS A MINIMUM.
8. WASTEWATER FORCE MAINS, WASTEWATER COLLECTION LINES, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE SHALL BE PROVIDED WHENEVER POSSIBLE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER PIPE JOINTS ARE EQUIDISTANCE FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
9. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, AND FPUA/CITY COUNTY/FDOT SHALL BE MANDATORY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. NO FIELD CHANGES OR DEVIATIONS FORM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL FPUA/CITY/COUNTY/FDOT ENGINEER,
11. TRAFFIC CONTROL, BARRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
12. CONTRACTOR SHALL NOTIFY FORT PIERCE UTILITIES AUTHORITY 48 HOURS PRIOR TO COMMMENCING CONSTRUCTION.
13. WASTEWATER FORCE MAIN SHALL BE POLYVINYL CHLORIDE CONFORMING TO AWWA C-900, AND SHALL BE CLASS 150, DR-18.
14. WASTEWATER FORCE MAIN SHALL BE GREEN IN COLOR.
15. FITTINGS SHALL BE DUCTILE IRON, CONFORMING TO ANSI/AWWA C-110/A21.10 CLASS 250 MIN. AND INTERIOR EPOXY COATED.
16. WASTEWATER FORCE MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THHN WIRE (GREEN IN COLOR) PERMANENTLY ATTACHED TO THE TOP OF THE FORCE MAIN WITH LOCATOR TAPE MARKED "SEWER" ON TAPE IN ACCORDANCE WITH FPUA SPECIFICATIONS.
17. MINIMUM COVER SHALL BE 36 INCHES, PIPES WITH COVER LESS THAN 30 INCHES SHALL REQUIRE PRIOR APPROVAL OF THE UTILITES ENGINEER AND SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE.
18. EACH SERVICE LATERAL WILL BE MARKED WITH A LOCATOR BALL AS MANUFACTURED BY 3M CORPORATION, OR APPROVED EQUAL AS REQUIRED BY FPUA ENGINEER.
19. ALL MANHOLES SHALL HAVE SEWER RAIN GUARDS INSTALLED AS REQUIRED BY FPUA ENGINEER.
20. THE CONTRACTOR SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

WASTEWATER CONSTRUCTION NOTES FPUA REQUIREMENTS		G-2 CONSTRUCTION NOTES
02-06 DATE:	REVISION: BY: APPD:	WATER/WASTEWATER ENGINEERING
DESIGNED: JJM	COMPUTER FILE # DETAIL NOTES 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: JJM	SCALE: N.T.S.	
APPROVED: JLC	DATE: 2019	SHEET 1 OF 1

STANDARD SEPARATION STATEMENT FOR WATER / SEWER CONFLICTS

1. SANITARY SEWER, FORCE MAINS, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 6 INCHES, PREFERABLY 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHEN ABOVE, AND AT LEAST 12 INCHES OF SEPARATION WHEN THE WATER MAIN IS BELOW.

WHERE SANITARY SEWER, FORCE MAINS, STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 6 INCHES VERTICAL SEPARATION, BOTH THE SEWER AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) CENTERED ON THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS.) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.

ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). AT SUCH CROSSINGS 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 REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 6 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) AND NEW PIPES SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.

2. A MINIMUM 3-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF STORM SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.

A MINIMUM 3-FOOT, AND PREFERABLE 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN VACUUM TYPE SANITARY SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.

A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN "ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.

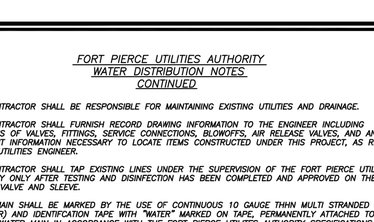
A MINIMUM 6-FOOT, AND PREFERABLE 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO 3 FOOT WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER

IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON A UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER.

WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 6 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWER) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).

3. ALL DIP SHALL BE PRESSURE CLASS 250 MIN.. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN ENGINEER.

STANDARD SEPARATION STATEMENT FOR WATER/SEWER CONFLICT		G-3 WATER/SEWER CONFLICT
02-06 DATE:	REVISION: BY: APPD:	WATER/WASTEWATER ENGINEERING
DESIGNED: JJM	COMPUTER FILE # DETAIL NOTES 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: JJM	SCALE: N.T.S.	
APPROVED: JLC	DATE: 2010	SHEET 1 OF 1

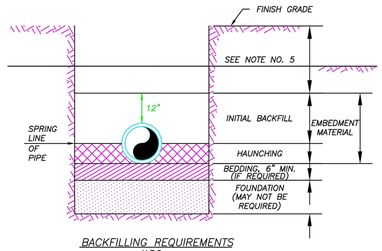


NOTES:

1) THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
2) INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE PIPE. BACKFILL SHALL BE MECHANICALLY TAMPED TO A MINIMUM OF 100% OF MAX. DENSITY AS DETERMINED BY AASHTO METHOD T-99.

TYPICAL TRENCH DETAIL
N.T.S.

TYPICAL TRENCH DETAIL		M-1
03-09 CONCRETE SLAB	REVISION: BY: APPD: SLL JLC	WATER/WASTEWATER ENGINEERING
DESIGNED: JLC	COMPUTER FILE # MISC. DETAILS 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: SLL	SCALE:	
APPROVED: JLC	DATE: 2015	SHEET 1 OF 1

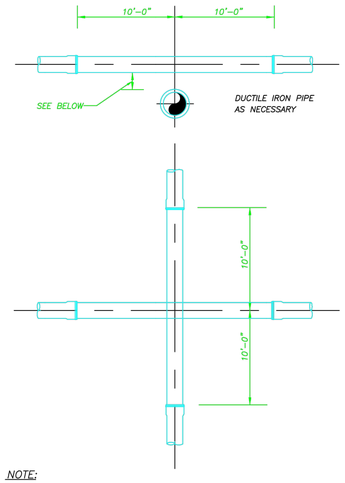


BACKFILLING REQUIREMENTS
N.T.S.

NOTES:

1) IN CERTAIN SOIL CONDITIONS A FOUNDATION MAY BE REQUIRED.
2) BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE.
3) HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
4) INITIAL BACKFILL MATERIAL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF PIPE. THE SOIL SHALL BE COMPACTED TO 100% MAX. DENSITY.(AASHTO T-99)
5) BACKFILL SHALL BE COMPACTED TO 100% OF MAX. DENSITY AS PER AASHTO T-99, TO A POINT 30" BELOW PROPOSED PROFILE GRADE OR EXISTING GRADE. THE FINAL 30" OF BACKFILL SHALL BE COMPACTED TO 98% OF MAX. DENSITY AS PER AASHTO T-180.
6) DENSITY TEST SHALL BE PERFORMED AT AREAS DETERMINED BY THE UTILITIES ENGINEER OR PERMIT AGENCY HAVING JURISDICTION, AT THE CONTRACTORS EXPENSE.
7) CONTRACTOR TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL TRENCH SAFETY REGULATIONS.

BACKFILLING REQUIREMENTS		M-2
03-09 CONCRETE SLAB	REVISION: BY: APPD: SLL JLC	WATER/WASTEWATER ENGINEERING
DESIGNED: JLC	COMPUTER FILE # MISC. DETAILS 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: SLL	SCALE:	
APPROVED: JLC	DATE: 2015	SHEET 1 OF 1



NOTE:

PLEASE REFER TO FORT PIERCE UTILTIES STANDARD SEPARATION STATEMENT FOR WATER / SEWER CONFLICTS.

UTILITY CROSSING DETAIL
N.T.S.

UTILITY CROSSING DETAIL		M-5
03-09 CONCRETE SLAB	REVISION: BY: APPD: SLL JLC	WATER/WASTEWATER ENGINEERING
DESIGNED: JLC	COMPUTER FILE # MISC. DETAILS 200602.DWG	FT. PIERCE UTILITIES AUTHORITY
DRAWN BY: SLL	SCALE:	
APPROVED: JLC	DATE: 2015	SHEET 1 OF 1

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RWF DESIGNED BY
RWF DRAWN BY
21-210 (05-31-2023).dwg FILENAME
51 - UTILITY DETAILS - M - 1 LAYOUT
AS SHOWN SCALE
24 MAY 2023 DATE
05-15-2023 REVISED UTILITY PLANS PER FPUA COMMENTS. DATE
REVISION COMMENTS

SOUTH FLORIDA LOGISTICS CENTER 95

GENERAL FPUA UTILITY NOTES & MISCELLANEOUS UTILITY DETAILS - 1

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

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21-210

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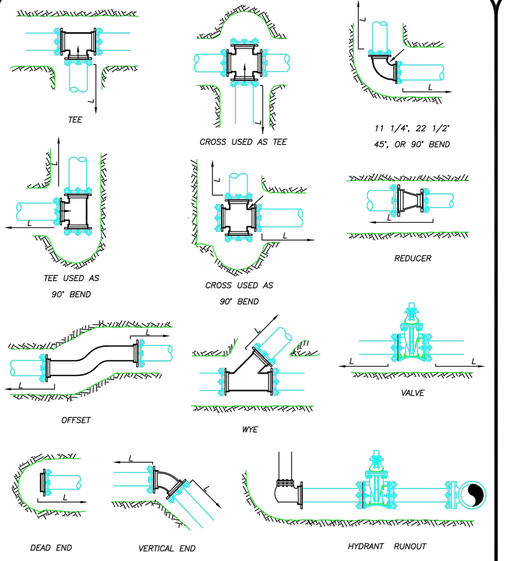


MECHANICAL JOINT ANCHORING REQUIREMENTS

N.T.S.

FPUA COMMUNITY PROUD	MECHANICAL JOINT ANCHORING REQUIREMENTS	M-3
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	

MECHANICAL JOINT RESTRAINT NOTES

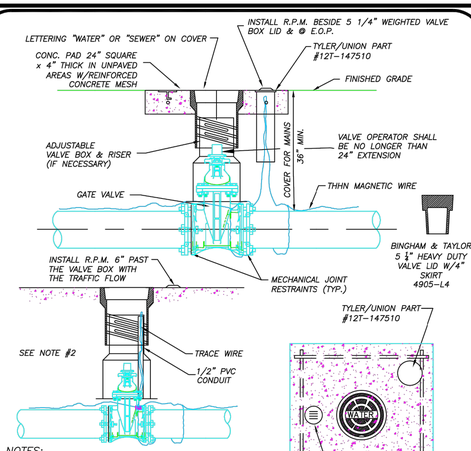
NOTES:

1) THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING THE REQUIRED LENGTH TO BE RESTRAINED BASED UPON THE PROJECT AREA SOIL TYPE, PROPOSED TRENCH CONDITIONS AND DEPTH, PRESSURE OF 150 PSI, AND A SAFETY FACTOR OF TWO (2). A DRAWING OF EVERY TYPICAL FITTING ASSEMBLY WITHIN THE PROJECT SHALL BE SUBMITTED WHICH REFLECTS THE RESTRAINT DETAIL PROPOSED FOR USE, INCLUDING LENGTH OF PIPE RESTRAINT.

2) REQUIRED RESTRAINED LENGTH CALCULATIONS SHALL ALSO CONSIDER THE CONDITIONS OF OTHER BENDS OR FITTINGS THAT WILL BE LOCATED WITHIN THE CALCULATED RESTRAINED LENGTH (L) OF THE BEND OR FITTING IN QUESTION.

3) EVERY JOINT OR FITTING MUST BE RESTRAINED ON BOTH SIDES OF THE BEND AND FOR TEES ALONG THE BEND ALSO.

FPUA COMMUNITY PROUD	MECHANICAL JOINT RESTRAINT NOTES	M-4
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	



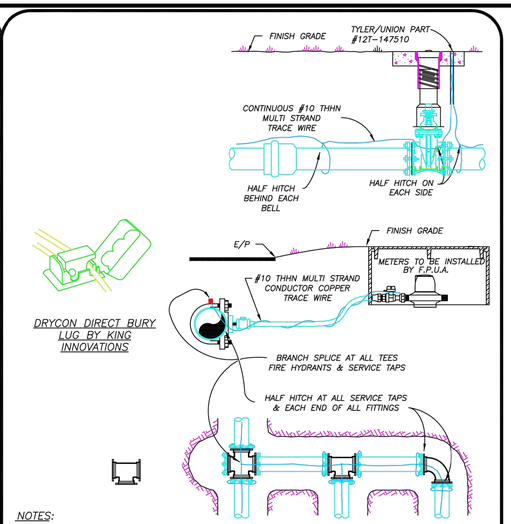
NOTES:

1. BLUE REFLECTIVE PAVEMENT MARKER (RPM) FOR WATER VALVES AND GREEN RPM FOR WASTEWATER VALVES PAVEMENT EDGE.
2. FOR WATER AND WASTEWATER VALVES INSTALLED IN PAVED AREAS, ELIMINATE CONCRETE PAD AND ENCASE THE MAGNETIC WIRE IN 1/2" PVC INSIDE THE VALVE BOX SEVEN INCHES BELOW GRADE.
3. DIP MAY BE USED AS RISERS ONLY IF A VALVE BOX IS NOT MANUFACTURED FOR THAT DEPTH. NO PVC RISERS SHALL BE USED IN ANY CIRCUMSTANCES.

TYPICAL GATE VALVE & VALVE BOX DETAIL

N.T.S.

FPUA COMMUNITY PROUD	TYPICAL GATE VALVE & VALVE BOX DETAIL	M-6
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	



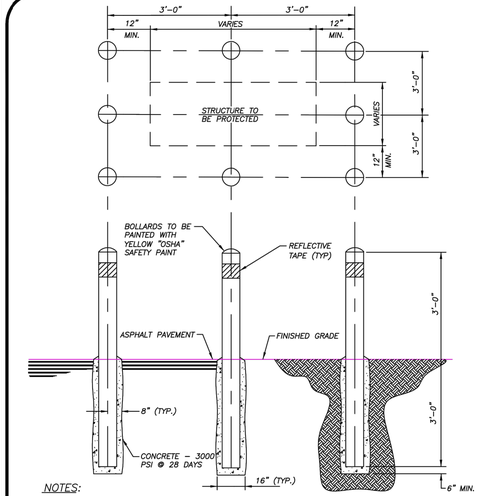
NOTES:

1) TRACE WIRE IS REQUIRED ON ALL PIPE AS NOTED BY UTILITIES ENGINEER AND SHOWN IN STANDARD DETAILS.
2) INCLUDE ALL COST OF MATERIAL & LABOR IN PRICE OF PIPE.
3) CONTRACTOR IS RESPONSIBLE FOR CONTINUITY OF ALL TRACE WIRE.

TRACE WIRE

(N.T.S.)

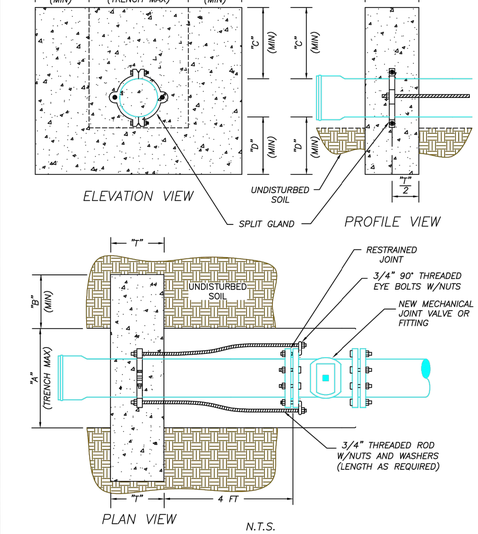
FPUA COMMUNITY PROUD	TRACE WIRE DETAIL	M-11
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	



NOTES:

1) BOLLARDS TO BE 6" SCHEDULE 40 STEEL PIPE, 6'-0" LONG AND FILLED WITH CONCRETE.
2) BOLLARDS ON SIDE NOT ACCESSIBLE TO VEHICLES MAY BE OMITTED BY THE APPROVING AGENCY.
3) PLACE 6" WIDE YELLOW CLASS 4 REFLECTIVE TAPE 4" DOWN FROM TOP FOR FULL DIAMETER ON ALL BOLLARDS.
4) CONTRACTOR TO ASSURE THAT BOLLARDS ARE PLACED TO ALLOW FULL ACCESS TO THE PROTECTED FACILITY.

FPUA COMMUNITY PROUD	BOLLARD DETAIL	M-12
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	



FPUA COMMUNITY PROUD	DEAD-MAN RESTRAINT BLOCK	M-14A
03-09 DATE: ESTRAINT BLOCK REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	

PIPE SIZE (in)	AVERAGE O.D. (in)	PRESSURE (lb/in²)	CALCULATED THRUST (lbf)	"A" (ft-in)	"B" (ft-in)	"C" (ft-in)	"D" (ft-in)	"T" (ft-in)	CONCRETE (yd³)
6	6.9	100	3739	2'-0"	1'-0"	1'-0"	1'-3"	2'-6"	1.00
8	9.05	100	6433	2'-0"	1'-6"	1'-0"	1'-6"	3'-0"	1.75
10	11.1	100	9677	2'-6"	1'-6"	1'-6"	1'-10"	3'-0"	2.57
12	13.2	100	13685	2'-6"	2'-0"	1'-6"	1'-9"	4'-0"	3.95
16	17.4	100	23779	3'-0"	2'-0"	1'-6"	2'-6"	5'-0"	6.49
18	19.5	100	29865	3'-0"	2'-0"	1'-6"	2'-6"	6'-0"	8.09
20	21.6	100	36644	3'-0"	2'-6"	1'-6"	2'-6"	6'-6"	9.98
24	25.8	100	52279	3'-0"	2'-6"	2'-0"	2'-9"	7'-6"	14.00

NOTES:

1. THE USE OF RESTRAINT BLOCKS SHALL BE LIMITED TO SITUATIONS WHERE EXPOSING SEVERAL JOINTS OF PIPE IS NOT FEASIBLE OR AS DIRECTED BY FPUA ENGINEER.
2. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND RESTRAINT BLOCK TO UNDISTURBED MATERIAL.
3. RESTRAINT BLOCK SHALL BE INSTALLED A MINIMUM OF 4 FEET FROM ANY PIPE JOINT, FITTING OR VALVE. AT NO TIME SHALL A PIPE JOINT, FITTING OR VALVE BE ENCASED IN THE RESTRAINT BLOCK.
4. CONCRETE SHALL HAVE MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 3000 PSI.

FPUA COMMUNITY PROUD	DEAD-MAN RESTRAINT BLOCK	M-14B
03-09 DATE: CONCRETE SLAB REVISION: SLL BY: JLC APPD:		WATER/WASTEWATER ENGINEERING
DESIGNED: JLC DRAWN BY: SLL APPROVED: JLC	COMPUTER FILE # MISC DETAILS 200602.DWG SCALE: DATE: 2015	FT. PIERCE UTILITIES AUTHORITY
	SHEET 1 OF 1	

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	S2 - UTILITY DETAILS - M - 2	AS SHOWN	24 MAY 2023

DATE	REVISION COMMENTS
05-15-2023	REVISED UTILITY PLANS PER FPUA COMMENTS.

SOUTH FLORIDA
LOGISTICS CENTER 95
ST. LUCIE COUNTY FLORIDA

GENERAL FPUA UTILITY NOTES & MISCELLANEOUS UTILITY DETAILS - 2

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

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PROJECT NO.
MJSP-9202126163

21-210

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(IN FEET)
1 inch = 40 ft.

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

MATCH LINE SHEET 56

MATCH LINE SHEET 53

EX. DRAINAGE MANHOLE RIM EL. 19.32

EX. DRAINAGE MANHOLE RIM EL. 19.78

EX. 12" PVC WATER MAIN

EX. DRAINAGE MANHOLE RIM EL. 19.79

EX. DRAINAGE MANHOLE RIM EL. 19.78

EX. 6" CAST IRON HYDRANT

EX. DRAINAGE MANHOLE RIM EL. 19.15

EX. 12" PVC FORCE MAIN

PROPOSED 55' R/W DEDICATION

INSTALL 24" STOP BAR (TYP.)

INSTALL "PEDESTRIAN CROSSING" SIGN W11A-2 PER MUTCD (TYP)

INSTALL ADA TRUNCATED DOME MATS (TYP.)

INSTALL CROSSWALK STRIPING PER FDOT INDEX #711-011

INSTALL LANE STRIPING PER FDOT INDEX #711-001

INSTALL LANE STRIPING PER FDOT INDEX #711-001

N 89°38'45" E 1683.28'

35.44'
N 44°46'55" E

PROPOSED 15' LANDSCAPE BUFFER

PROPOSED 15' LANDSCAPE BUFFER

PROPOSED LAKE #4
TOP OF BANK AREA = 118,258 S.F.
AREA @ CONTROL ELEVATION = 83,646 S.F.
CONTROL ELEVATION: 14.75 NAVD

INSTALL ADA TRUNCATED DOME MATS (TYP.) SEE SHEET 32 FOR DETAIL

INSTALL CROSSWALK MARKINGS 6'x1' SOLID STRIPE W/ 2' SPACING

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL 24" STOP BAR (TYP.)

INSTALL 10'x20' CAR PARKING STALL STRIPING PER DETAIL

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP)

INSTALL CONCRETE CAR STOPS PER FDOT INDEX #520-001

INSTALL H.C. PARKING STALL STRIPING (TYP.) (SEE DETAIL)

INSTALL H.C. SIGNS (TYP.) (SEE DETAIL)

PROPOSED DRY DETENTION AREA #4
TOP OF BANK AREA
14,059 S.F.

PROPOSED 15' LANDSCAPE BUFFER

FUTURE OFFICE AREA

FUTURE OFFICE AREA

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

195'

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

SA MH: 25'
SB MH: 25'
SE MH: 25'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	53 - STRIPING S1
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 1

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

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SLC DRC
PROJECT NO.
MJSP-9202126163

21-210

53 OF 61

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MATCH LINE SHEET 52

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP)

INSTALL 24" STOP BAR (TYP.)

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

SEE ROCK ROAD CONSTRUCTION PLANS FOR OFFSITE DETAILS.

PROPOSED 15' LANDSCAPE BUFFER

SA MH: 25'

SB MH: 25'

10'

28'

10'

15'

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

N 0°04'54" W 2483.34'

1,606.54'

MATCH LINE SHEET 57

MATCH LINE SHEET 54

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LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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FILENAME	21-210 (05-31-2023).dwg
LAYOUT	54 - STRIPING S2
SCALE	1" = 40'
DATE	24 MAY 2023

DATE	REVISION COMMENTS
10-10-2023	RELOCATED DRIVEWAY PER SLC ENGINEERING

SOUTH FLORIDA
LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 2

ST. LUCIE COUNTY FLORIDA

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21-210

54 OF 61

MATCH LINE SHEET 53

MATCH LINE SHEET 58

MATCH LINE SHEET 55

SA MH: 25'

SB MH: 25'

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

15'

PROPOSED 15' LANDSCAPE BUFFER

BUILDING #1
WAREHOUSE AREA = 1,114,974 S.F.
F.F.E. = 23.10

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40
(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
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RWF DESIGNED BY
RWF DRAWN BY
21-210 (05-31-2023).dwg FILENAME
55 - STRIPING S3 LAYOUT
1" = 40' SCALE
24 MAY 2023 DATE

REVISION COMMENTS DATE

SOUTH FLORIDA LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 3

ST. LUCIE COUNTY FLORIDA

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55 OF 61

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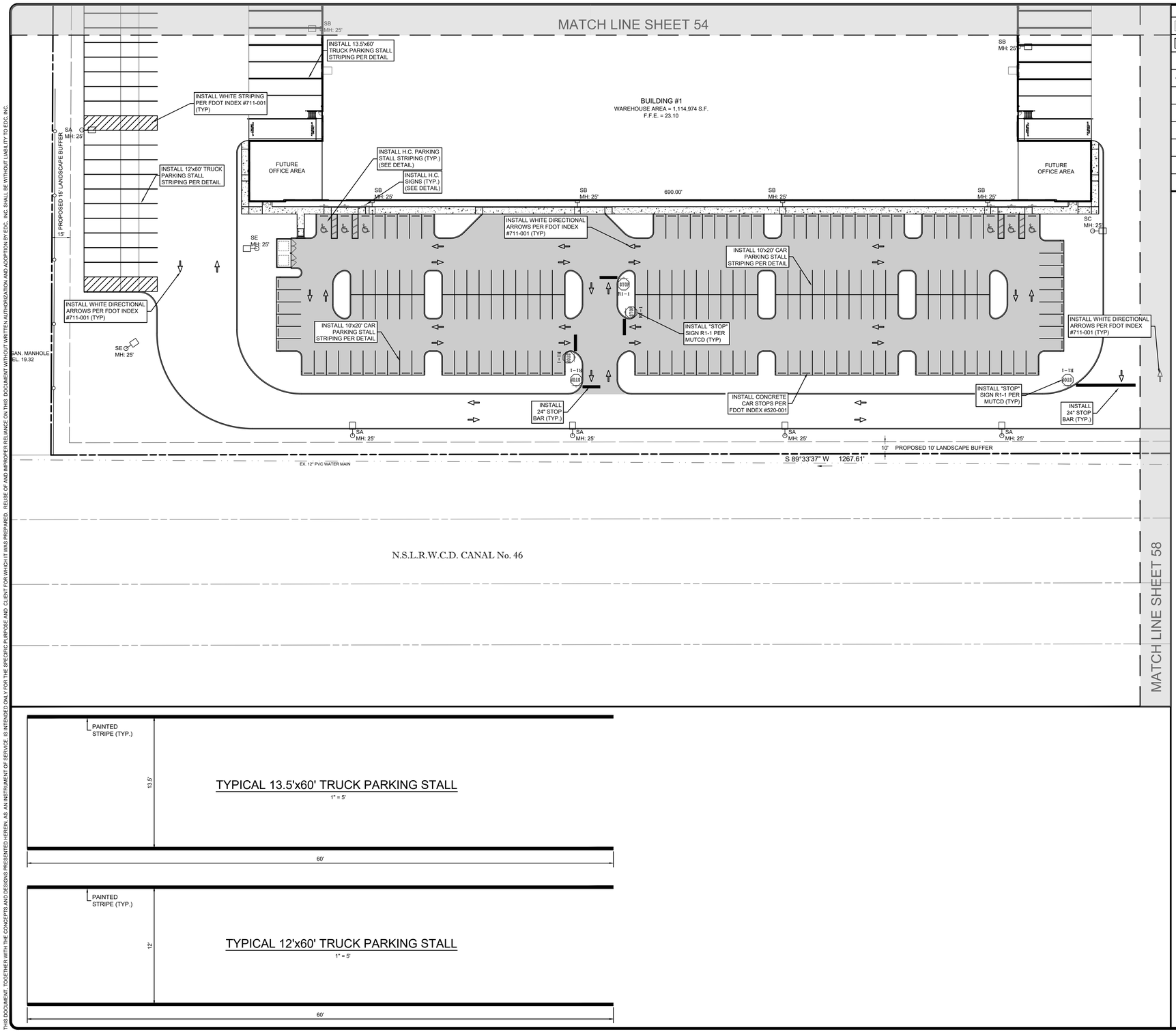

PAINTED STRIPE (TYP.)

13.5'

TYPICAL 13.5'x60' TRUCK PARKING STALL

1" = 5'

60'

PAINTED STRIPE (TYP.)

12'

TYPICAL 12'x60' TRUCK PARKING STALL

1" = 5'

60'

2'

PAINTED STRIPE (TYP.)

CAR STOP (TYP.)

10'

20'

TYPICAL 20' PARKING STALL

1" = 5'

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40

(IN FEET)
1 inch = 40 ft.

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LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
#	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	56 - STRIPING S4
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 4

ST. LUCIE COUNTY FLORIDA

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56 OF 61

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MATCH LINE SHEET 52

MATCH LINE SHEET 57

VACANT
SLC FUTURE LAND USE: MXD
SLC ZONING: CG

SEE ORANGE AVE. CONSTRUCTION PLANS FOR OFFSITE DETAILS.

ORANGE AVE. (S.R. 68)
(160' ULTIMATE R/W)

EX. 12" PVC WATER MAIN

EX. DRAINAGE MANHOLE
RIM EL. 16.58

EX. CATCH BASIN
RIM EL. 16.84

EX. 6" FIRE HYDRANT

EX. 12' UTILITY EASEMENT O.R.B. 3056, PG. 2682

EX. 12" FORCE MAIN

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP.)

INSTALL 24" STOP BAR (TYP.)

INSTALL ADA TRUNCATED DOME MATS (TYP.)

INSTALL "PEDESTRIAN CROSSING" SIGN W11A-2 PER MUTCD (TYP)

INSTALL CROSSWALK STRIPING PER FDOT INDEX #711-011

PROPOSED 55' R/W DEDICATION

15' PROPOSED 15' LANDSCAPE BUFFER

PROPOSED LAKE #3
TOP OF BANK AREA = 61,260 S.F.
AREA @ CONTROL ELEV. = 41,458 S.F.
CONTROL ELEVATION: 14.75 NAVD

INSTALL LANE STRIPING PER FDOT INDEX #711-001

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL CROSSWALK MARKINGS 6'x1' SOLID STRIPE W/ 2' SPACING

INSTALL ADA TRUNCATED DOME MATS (TYP.)

INSTALL "PEDESTRIAN CROSSING" SIGN W11A-2 PER MUTCD (TYP)

270.00'

N 10°40'37" E
81.51'

S 67°42'58" E
84.95'

FUTURE OFFICE AREA

INSTALL H.C. PARKING STALL STRIPING (TYP.) (SEE DETAIL)

INSTALL H.C. SIGNS (TYP.) (SEE DETAIL)

INSTALL CONCRETE CAR STOPS PER FDOT INDEX #520-001

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL 10'x20' CAR PARKING STALL STRIPING PER DETAIL

PROPOSED 10' LANDSCAPE BUFFER

S 0°13'53" E
629.99'

INSTALL 10'x20' CAR PARKING STALL STRIPING PER DETAIL

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP)

INSTALL 24" STOP BAR (TYP.)

INSTALL CONCRETE CAR STOPS PER FDOT INDEX #520-001

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL CONCRETE CAR STOPS PER FDOT INDEX #520-001

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

SE MH: 25'
SC MH: 25'
SA MH: 25'
SF MH: 25'
SB MH: 25'
SD MH: 25'
OMH: 25'

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40
(IN FEET)
1 inch = 40 ft.

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	57 - STRIPING 55	1" = 40'	24 MAY 2023

REVISION COMMENTS | DATE

SOUTH FLORIDA
LOGISTICS CENTER 95
STRIPING & SIGNAGE PLAN - 5
ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
EDC
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SLC DRC
PROJECT NO.
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21-210

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MATCH LINE SHEET 53

MATCH LINE SHEET 56

MATCH LINE SHEET 59

MATCH LINE SHEET 58

PROPOSED DRY DETENTION AREA #3
TOP OF BANK AREA = 151,447 S.F.

PROPOSED DRY DETENTION AREA #2
TOP OF BANK AREA = 51,801 S.F.

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @ CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

BUILDING #2
WAREHOUSE AREA 245,511 S.F.
F.F.E. = 23.10

FUTURE
OFFICE AREA

EXISTING
BUILDING

EXISTING PAVEMENT

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL 13.5'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL 10'x20' CAR PARKING STALL STRIPING PER DETAIL

INSTALL H.C. PARKING STALL STRIPING (TYP.) (SEE DETAIL)

INSTALL H.C. SIGNS (TYP.) (SEE DETAIL)

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP)

INSTALL 24" STOP BAR (TYP.)

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

INSTALL "STOP" SIGN R1-1 PER MUTCD (TYP)

INSTALL 24" STOP BAR (TYP.)

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
8	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

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PROJECT NO.
MJSP-9202126163

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DESIGNED BY	DRAWN BY	FILENAME	LAYOUT	SCALE	DATE
RWF	RWF	21-210 (05-31-2023).dwg	58 - STRIPING 56	1" = 40'	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA
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STRIPING & SIGNAGE PLAN - 6

ST. LUCIE COUNTY FLORIDA

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MATCH LINE SHEET 57

MATCH LINE SHEET 54 & 55

MATCH LINE 'E'

MATCH LINE SHEET 54 & 55

MATCH LINE THIS SHEET

INSTALL WHITE STRIPING PER FDOT INDEX #711-001 (TYP)

INSTALL 12'x60' TRUCK PARKING STALL STRIPING PER DETAIL

PROPOSED LAKE #2
TOP OF BANK AREA = 232,178 S.F.
AREA @ CONTROL ELEV. = 178,135 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY DETENTION AREA #5
TOP OF BANK AREA = 30,940 S.F.

PROPOSED 10' LANDSCAPE BUFFER

S 0°09'23" E 1275.16'

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

N.S.L.R.W.C.D. CANAL No. 46

SA MH: 25'

SC MH: 25'

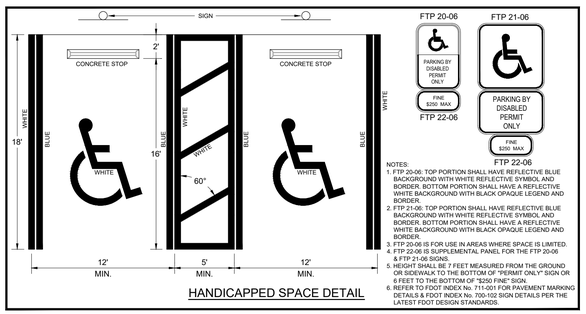
SE MH: 25'

TOB

TOE

LEGEND

M E	EXISTING METER	#	EX. PALM TREE TO REMAIN # - TREE TAG
M E	PROPOSED METER	#	EX. PINE TREE # - TREE TAG
	PROPOSED SIGN	#	EX. OAK TREE TO BE REMOVED. # TREE TAG.
7	BLOCK NUMBER	#	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
	MITERED END SECTION	#	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	HANDICAP STALL		EXISTING CONCRETE
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.		EXISTING PAVEMENT
(8)	PARKING STALL TAG # OF STALLS		PROPOSED HEAVY DUTY ASPHALT
			PROPOSED STANDARD ASPHALT
#	EX. OAK TREE TO REMAIN # - TREE TAG		PROPOSED CONCRETE



HANDICAPPED SPACE DETAIL

NOTES:
1. FTP 20-06: TOP PORTION SHALL HAVE REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
2. FTP 21-06: TOP PORTION SHALL HAVE REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. FTP 20-06 IS FOR USE IN AREAS WHERE SPACE IS LIMITED.
4. FTP 22-06 IS SUPPLEMENTAL PANEL FOR THE FTP 20-06 & FTP 21-06 SIGNS.
5. HEIGHT SHALL BE 7 FEET MEASURED FROM THE GROUND OR SIDEWALK TO THE BOTTOM OF "PERMIT ONLY" SIGN OR 6 FEET TO THE BOTTOM OF "$250 FINE" SIGN.
6. REFER TO FDOT INDEX No. 711-001 FOR PAVEMENT MARKING DETAILS & FDOT INDEX No. 700-102 SIGN DETAILS PER THE LATEST FDOT DESIGN STANDARDS.

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

SLC DRC
PROJECT NO.
MJSP-9202126163

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ENGINEERS ⊕ SURVEYORS ENVIRONMENTAL
10250 SW VILLAGE PARKWAY
SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455
www.edc-inc.com
F.B.P.E. CERTIFICATE OF AUTHORIZATION 9935
L.B. CERTIFICATE OF AUTHORIZATION 8098

DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	59 - STRIPING S7
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA
LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 7

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375
10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

21-210

N 89°38'45" E 821.05'

10' PROPOSED 10' LANDSCAPE BUFFER

PROPOSED LAKE #1
TOP OF BANK AREA = 317,955 S.F.
AREA @ CONTROL ELEV. = 273,431 S.F.
CONTROL ELEVATION: 14.75 NAVD

PROPOSED DRY DETENTION AREA #1
TOP OF BANK AREA = 43,587 S.F.

R=10685.00 Δ=0°44'29" L=138.24

R=10,515.00 Δ=2°36'10" L=477.67

15' PROPOSED 15' LANDSCAPE BUFFER

KING'S HIGHWAY (S.R. 713)
(160' ULTIMATE R/W)

SEE KINGS HIGHWAY CONSTRUCTION PLANS FOR OFFSITE DETAILS.

INSTALL ADA TRUNCATED DOME MATS (TYP.)

INSTALL LANE STRIPING PER FDOT INDEX #711-001

INSTALL 24" STOP BAR (TYP.)

INSTALL WHITE DIRECTIONAL ARROWS PER FDOT INDEX #711-001 (TYP)

EX. 30' TEMPORARY EASEMENT PER O.R.B. 3932, PG. 2

EX. 20' UTILITY EASEMENT PER O.R.B. 2841, P.G. 2869

EX. FPL POLE MAIN

SC MH: 25'

SE MH: 25'

OSA MH: 25'

TOE 16.00

T/BANK 19.00

PROPOSED 10' LANDSCAPE BUFFER 10'

S 89°43'34" W 1358.17'

MATCH LINE SHEET 57

LEGEND

M E	EXISTING METER
M E	PROPOSED METER
	PROPOSED SIGN
7	BLOCK NUMBER
	MITERED END SECTION
	HANDICAP STALL
S1 MH: 17'	LIGHT FIXTURE TAG. HEIGHT OF FIXTURE.
#	PARKING STALL TAG # OF STALLS
#T	EX. OAK TREE TO REMAIN # - TREE TAG
#T	EX. PALM TREE TO REMAIN # - TREE TAG
#T	EX. PINE TREE # - TREE TAG
#T	EX. OAK TREE TO BE REMOVED. # TREE TAG.
#T	EX. PALM TREE TO BE REMOVED. # - TREE TAG.
#T	EX. PINE TREE TO BE REMOVED. # - TREE TAG.
	EXISTING CONCRETE
	EXISTING PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED STANDARD ASPHALT
	PROPOSED CONCRETE

NOTE:
ALL CURBING IS FDOT TYPE 'D' UNLESS NOTED OTHERWISE.

0 40
(IN FEET)
1 inch = 40 ft.

SLC DRC PROJECT NO. MJSP-9202126163

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DESIGNED BY	RWF
DRAWN BY	RWF
FILENAME	21-210 (05-31-2023).dwg
LAYOUT	60' - STRIPING S8
SCALE	1" = 40'
DATE	24 MAY 2023

REVISION COMMENTS

DATE

SOUTH FLORIDA LOGISTICS CENTER 95

STRIPING & SIGNAGE PLAN - 8

ST. LUCIE COUNTY FLORIDA

DAVID C. BAGGETT, P.E.(DATE)
#81375

10250 SW VILLAGE PARKWAY - SUITE 201
PORT SAINT LUCIE, FL 34987
772-462-2455

21-210

60 OF 61

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY EDC, INC. SHALL BE WITHOUT LIABILITY TO EDC, INC.

Z:\EDC 2021\21-210 - SFG Stonemont - 103 Acre Kings Highway\ENGINEERING\AutoCAD\DWGs\21-210 (05-31-2023).dwg, 60 - STRIPING S8, 5/31/2023 5:33:09 PM, Bob Frost, EDC, Inc., EDC, Inc.

GENERAL NOTES

1. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGE OR DEVIATIONS FROM THE DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

2. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD, THE APPROPRIATE GOVERNMENTAL JURISDICTIONAL AGENCY AND ALL OTHER CONCERNED UTILITIES AT LEAST 2 FULL BUSINESS DAYS IN ADVANCE OF CONSTRUCTION OPERATIONS.

3. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHYSICALLY LOCATING ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE OWNER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

4. PROJECT SUPERINTENDENT: THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT TO REMAIN ON THE JOB SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. THE SUPERINTENDENT SHALL BE PRESENT AT THE PRE-CONSTRUCTIONMEETING. THE CONTRACTOR SHALL NOTIFY THE OWNER BY LETTER, PRIOR TO THE PRE-CONSTRUCTION MEETING, APPOINTING THE SUPERINTENDENT FOR THIS PROJECT INCLUDING A FORMAL RESUME SHOWING QUALIFICATIONS.

5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS TO INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE. BY SUBMITTAL OF A BID FOR THIS PROJECT, THE CONTRACTOR ACKNOWLEDGES HIS COMPLETE UNDERSTANDING AND RESPONSIBILITIES WITH RESPECT TO THE CONSTRUCTION ACTIVITIES REQUIRED UNDER THE SCOPE OF THIS PROJECT.

6. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED INTO THIS CONTRACT AS ENHANCED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.

7. AS-BUILT PLANS: THE CONTRACTOR SHALL PROVIDE ONE (1) REPRODUCIBLE MYLAR COPY, TWO (2) BLACK LINE COPIES AND ONE (1) DIGITAL FORMAT (CAD & PDF) OF A CERTIFIED AS-BUILT SURVEY. DRAWINGS SHALL BE IN STATE PLANE COORDINATES AND MEET PSLUSD REQUIREMENTS. DRAWINGS SHALL BEAR THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE SURVEYOR AND SHALL BE SUBMITTED AFTER THE COMPLETION OF CONSTRUCTION, BUT PRIOR TO FINAL APPROVAL. THE AS-BUILT SURVEY SHALL BE PREPARED IN PLAN AND PROFILE FORMAT BY A LICENSED PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE FLORIDA ADMINISTRATIVE CODE AND CHAPTER 472 OF THE FLORIDA STATUES. THE DRAWINGS SHALL BE AT A SCALE COMPARABLE TO THE DESIGN DRAWINGS PREPARED BY THE ENGINEER AND SHALL REFERENCE THE BASE LINE OF SURVEY APPEARING ON THE ENGINEERING DRAWINGS. THE HORIZONTAL AND VERTICAL LOCATION OF THE ROADWAYS, DRAINAGE FACILITIES AND ALL APPURTENANCES SHALL BE ACCURATELY DEPICTED TO SCALE AND SHALL BE IDENTIFIED RELATIVE TO THE BASE LINE AND TO READILY IDENTIFIABLE PERMANENT OR SEMI-PERMANENT REFERENCE POINTS EXISTING AFTER THE COMPLETION OF CONSTRUCTION. LOCATIONS SHALL BE SHOWN FOR ALL FITTINGS, VALVES, HYDRANTS, MANHOLES, SAMPLE POINTS, AIR RELEASES, ETC., BOTH HORIZONTAL AND VERTICAL, AND THE LOCATION OF THE SAME AT EACH BASELINE STATION AS SHOWN ON THE PLANS (100 FEET MAXIMUM) BOTH HORIZONTAL AND VERTICAL UNDERGROUND FACILITIES (I.E., DRAINAGE, GAS, ELECTRIC, TELEPHONE, ETC.) CROSSING THE MAINS SHALL BE ACCURATELY SHOWN BOTH HORIZONTAL AND VERTICAL AND SHALL IDENTIFY SIZE, TYPE, FACILITY, MATERIAL AND CLEARANCE. ALL INFORMATION SHALL BE BASED UPON MEASUREMENTS AND OBSERVATIONS MADE IN THE FIELD BY THE SURVEYOR CERTIFYING THE SURVEY OR BY PERSONNEL UNDER HIS EMPLOYMENT, DIRECTION AND SUPERVISION. THE COST FOR PREPARING AND MAINTAINING THE AS-BUILT PLANS SHALL BE COVERED UNDER PAY ITEM 102-2A.

8. THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE SCHEDULE OF WORK, INCLUDING A HIGHLIGHTED PLAN SHOWING THE ORDER OF CONSTRUCTION WHICH WILL FACILITATE MAINTAINING EXISTING SERVICES DURING CONSTRUCTION. THIS PLAN SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION MAINTENANCE OF TRAFFIC AND STAGING PLAN.

9. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2019-20, AND STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION DATED 2018. UTILITY CONSTRUCTION TO CONFORM TO THE PSLUSD UTILITY STANDARDS MANUAL DATED 2015.

10. ALL UNDERGROUND MUNICIPAL UTILITIES, FIBER OPTIC, TELEPHONE, FPL, LOCAL CABLE AND ALL OTHER LOCAL UTILITY COMPANY LOCATIONS SHOWN ARE TAKEN FROM INFORMATION PROVIDED BY THAT UTILITY COMPANY. THESE LOCATIONS HAVE NOT BEEN VERIFIED IN THE FIELD. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXPOSE ALL CROSSINGS WITH PUBLIC & PRIVATE UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND DELIVERY OF PIPE. THE CONTRACTOR SHALL USE EXTREME CAUTION WITHIN THE VICINITY OF PUBLIC & PRIVATE UTILITY FACILITIES. THE CONTRACTOR WILL REQUEST THE PRESENCE OF THE RESPECTIVE UTILITY REPRESENTATIVES DURING CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES EVEN IF A PROFILE OF THE UTILITY FACILITIES IS PROVIDED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE PUBLIC & PRIVATE UTILITIES AND VERIFYING / OBTAINING THE LOCATION(S) OF THESE FACILITIES.

11. ANY NGVD 29 AND NAVD 88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

    GEODETIC INFORMATION CENTER
    ATTN: MARK MAINTENANCE CENTER
    ATTN: MICG - 162
    6001 EXECUTIVE BOULEVARD
    ROCKVILLE, MD 20852
    TELEPHONE: (301) 443-8319

    ST. LUCIE COUNTY SURVEYOR
    ATTN: ROD REED, PLS
    ENGINEERING DIVISION
    2300 VIRGINIA AVENUE
    FORT PIERCE, FL 34982
    TELEPHONE: (772) 462-1721

12. CONTRACTOR TO UTILIZE "APPROVED FOR CONSTRUCTION" PLANS ONLY. ANY PLANS NOT "APPROVED FOR CONSTRUCTION" SHALL BE CONSIDERED PRELIMINARY AND SHOULD NOT BE USED FOR BIDDING OR CONSTRUCTION.

13. SHOP DRAWINGS FOR ALL STRUCTURES SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING.

14. SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES. THE ENGINEER REQUIRES FIVE (5) BUSINESS DAYS TO REVIEW SHOP DRAWINGS AFTER RECEIPT. ADDITIONAL TIME MAY BE REQUIRED IF LOCAL GOVERNMENT OR MUNICIPALITIES REQUIRE AN INTERNAL REVIEW AND APPROVAL PROCESS.

15. CONCRETE SHALL BE CLASS I - 3,000 PSI MINIMUM COMPRESSIVE STRENGTH UNLESS NOTED OTHERWISE. REINFORCING SHALL BE GRADE 60 DEFORMED STEEL BARS IN ACCORDANCE ASTM A-615.

16. CONTRACTOR SHALL PROTECT ALL EXISTING ABOVE OR UNDERGROUND STRUCTURES, LANDSCAPE FEATURES, TREES AND UTILITIES NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY ITEM DAMAGED BY CONSTRUCTION ACTIVITY TO MEET ALL APPLICABLE CURRENT CODES. ANY REPAIRED / REPLACED ITEMS ARE SUBJECT TO REVIEW AND APPROVAL BY APPLICABLE LOCAL JURISDICTIONAL AGENCY.

17. ALL PROPOSED UTILITY MATERIALS, CONSTRUCTION METHODS, TESTING AND DISINFECTION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT LOCAL UTILITY COMPANY STANDARDS AND AWWA CURRENT STANDARD. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND UTILIZE A CURRENT COPY OF THE ST. LUCIE COUNTY UTILITIES DESIGN AND CONSTRUCTION STANDARDS AND/OR FPUA WATER AND WASTEWATER DESIGN AND CONSTRUCTION STANDARDS AND ENSURE ALL CONSTRUCTION IS IN ACCORDANCE WITH THEIR STANDARDS. ANY CONFLICT WITH THE CONSTRUCTION DRAWINGS AND THE LOCAL UTILITY COMPANY SHALL BE RESOLVED UTILIZING THE MOST STRINGENT DIRECTIONS.

18. ALL HORIZONTAL AND VERTICAL SURVEY CONTROL POINTS SHALL BE PROTECTED AND UNDISTURBED. IN THE EVENT THAT A CONTROL POINT IS DISTURBED OR DESTROYED, THE POINT SHALL BE RE-ESTABLISHED BY A FLORIDA REGISTERED LAND SURVEYOR. THE METHOD TO RE-ESTABLISH THE POINT SHALL BE APPROVED BY THE CITY / COUNTY ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

19. THE CONTRACTOR SHALL PREPARE A COMPLETE VIDEO RECORD OF THE PROJECT SITE BEFORE BEGINNING ANY WORK. THE VIDEO RECORD SHALL INCLUDE ALL ROADWAY, DRAINAGE AND UTILITIES POINTS OF CONNECTION AND SHALL EXTEND A MINIMUM OF 1800 FEET BEYOND THE WORK LIMITS TO DOCUMENT THE EXISTING CONDITIONS. THE CONTRACTOR SHALL ALSO VIDEO DOCUMENT ALL HAUL ROUTES NEEDED FOR THE OFF-SITE MOVEMENT OF EARTHWORK. COPIES OF THE VIDEO RECORD SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO SUBMITTAL OF THE FIRST PAY REQUEST. IF DAMAGE TO EXISTING INFRASTRUCTURE IS RECOGNIZED DURING THE COURSE OF THE PROJECT AND CANNOT BE IDENTIFIED AS A PRE-CONSTRUCTION CONDITION ON THE VIDEO RECORD, THE CONTRACTOR MAY BE REQUIRED TO MAKE PROPER REPAIRS.

20. THE CONTRACTOR SHALL VIDEO TAPE THE EXTERIOR AND REAR YARDS OF ALL HOUSES / BUSINESSES IN THE PROJECT AREA.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, AND REPLACED WITH THE SPECIFIED FILL MATERIAL IN MAXIMUM 12 INCH LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED, PROVIDED THAT THE EQUIPMENT AND METHODS USED ARE PROVEN BY FIELD DENSITY TESTING AND CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.

2. ALL AREAS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON, OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF ONE (1) FOOT. ITEMS DESIGNATED TO REMAIN, TO BE RELOCATED, OR TO BE ADJUSTED SHALL BE SO DESIGNATED ON THE DRAWINGS.

3. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3, OR A-2-4 IN ACCORDANCE WITH AASHTO M-145 AND SHALL BE FREE FROM VEGETATION AND ORGANIC MATERIAL NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF THE RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND BASE DENSITIES AT UTILITY CROSSINGS, MANHOLES, INLETS, AND STRUCTURES. TEST SHALL INCLUDE ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC. DENSITY TESTS SHALL BE PERFORMED AT THREE (3) LOCATIONS AROUND ANY STRUCTURE. BEGIN TESTING IN THE FIRST FOOT ABOVE THE BOTTOM OF THE STRUCTURE AND THEN EVERY TWO FEET TO WITHIN TWO FEET OF THE FINISH GRADE; THESE DENSITY REQUIREMENTS ARE THE MINIMUM. THE CONTRACTOR SHALL VERIFY DENSITY REQUIREMENTS AND PROTOCOLS WITH THE LOCAL APPROVING AUTHORITY PRIOR TO CONSTRUCTION OR BIDDING OF THE PROJECT.

5. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEMS SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE. ALL CONCRETE SHALL BE A MINIMUM 3,000 PSI. SOME LOCAL GOVERNMENT STORMWATER PROJECTS MAY REQUIRE TELEVISING OF THE STORM SEWER. CONTRACTOR SHOULD BE KNOWLEDGEABLE OF THIS REQUIREMENT PRIOR TO BIDDING OF THE PROJECT.

6. ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.

7. THE CONTRACTOR MUST OBTAIN A WATER USE PERMIT PRIOR TO CONSTRUCTION DEWATERING UNLESS THE WORK QUALIFIES FOR A GENERAL PERMIT PURSUANT TO SUBSECTION 40E-20 302(4), F. A C.

STORM SEWER NOTES

1. STANDARD SEPARATION FOR ALL WATER AND/OR WASTEWATER MAINS, HORIZONTAL AND VERTICAL, SHALL BE PER FDEP REQUIREMENTS, PROVISIONS OF F.A.C. RULE 62.604 AND TEN STATES STANDARD OR LOCAL MUNICIPALITIES, WHICHEVER IS MORE STRINGENT.

2. ALL DISTURBED OUTFALL DRAINAGE AREAS SHALL BE SODDED UPON COMPLETION OF GRADING AFTER AS-BUILT GRADE ELEVATIONS ARE APPROVED BY THE ENGINEER.

3. PRIOR TO FINAL PAYMENT FOR RETENTION, DETENTION AND DRAINAGE DITCH QUANTITIES, ALL SLOPES AND SWALES SHALL BE SODDED TO AVOID EROSION.

4. THERE IS TO BE NO OFF-SITE HAULING WITHOUT PRIOR APPROVAL AND ALL EXCAVATED MATERIAL SHALL BE USED ON-SITE, COORDINATION WITH THE OWNER IS REQUIRED FOR THE REMOVAL OF ANY UNSUITABLE MATERIALS.

5. THE CONTRACTOR SHALL CONSTRUCT THE STORMWATER MANAGEMENT SYSTEM IN A MANNER SO AS TO MINIMIZE ANY ADVERSE IMPACTS OF THE WORKS ON FISH, WILDLIFE, NATURAL ENVIRONMENTAL VALUES AND WATER QUALITY ON OR OFF-SITE. THE CONTRACTOR SHALL INSTITUTE NECESSARY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES TO REDUCE EROSION, TURBIDITY, NUTRIENT LOADING AND SEDIMENTATION IN THE RECEIVING WATERS.

6. WITHIN THIRTY (30) DAYS AFTER COMPLETION OF CONSTRUCTION OF THE SURFACE WATER MANAGEMENT SYSTEM, THE CONTRACTOR SHALL ASSIST THE DESIGN ENGINEER TO PROVIDE A WRITTEN STATEMENT OF COMPLETION AND CERTIFICATION BY A FLORIDA PROFESSIONAL ENGINEER. THESE STATEMENTS MUST SPECIFY THE ACTUAL DATE OF CONSTRUCTION COMPLETION AND MUST CERTIFY THAT ALL FACILITIES HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. THE CONSTRUCTION COMPLETION CERTIFICATION MUST INCLUDE, AT A MINIMUM EXISTING ELEVATIONS, LOCATIONS AND DIMENSIONS OF THE COMPONENTS OF THE SURFACE WATER MANAGEMENT FACILITIES. ADDITIONALLY, IF DEVIATIONS FROM THE APPROVED DRAWINGS ARE DISCOVERED DURING THE CERTIFICATION PROCESS, THE CERTIFICATION MUST BE ACCOMPANIED BY A COPY OF THE APPROVED PERMIT DRAWINGS WITH DEVIATIONS NOTED. SEE ALSO AS-BUILT REQUIREMENTS.

7. A STABLE PERMANENT AND ACCESSIBLE ELEVATION REFERENCE SHALL BE ESTABLISHED ON OR WITHIN ONE HUNDRED (100) FEET OF ALL PERMITTED DISCHARGE STRUCTURES NO LATER THAN THE SUBMISSION OF THE CERTIFICATION TO THE WATER MANAGEMENT DISTRICT. THE LOCATION OF THE ELEVATION REFERENCE MUST BE NOTED ON OR WITHIN THE CERTIFICATION REPORT.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION OR SHOALING OF THE WATER QUALITY MANAGEMENT SYSTEM.

9. INLETS (PER FDOT ROAD AND BRIDGE CONSTRUCTION SPECIFICATIONS 425 / 430): INCLUDES THE LIST OF MATERIALS / INSTALLATION / DEWATERING STABILIZATION / AS-BUILT SURVEYING / TESTING. ALL STRUCTURES WILL REQUIRE THREE (3) COMPACTION TESTS AT DIFFERENT LOCATIONS AND UNDER STRUCTURES OR PER LOCAL APPROVING AUTHORITY, WHICHEVER IS MORE STRINGENT.

10. PIPE CULVERTS AND STORM SEWERS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 430 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

11. HDPE (HIGH DENSITY POLYETHYLENE) CULVERT SHALL BE N-12 INSTALLED PER MANUFACTURER RECOMMENDATIONS. MANUFACTURER IS ADS (ADVANCED DRAINAGE SYSTEMS, INC.) AIR ENTRENCHED PIPE.

12. REINFORCED CONCRETE PIPE SHALL BE ASTM C-76 CLASS III IN ACCORDANCE WITH SECTION 941 OF THE FDOT STANDARD SPECIFICATIONS.

FILTER FABRIC (STORM PIPE JOINTS)

THE CONTRACTOR SHALL WRAP ALL STORM PIPE JOINTS. CONSTRUCTION SHALL BE PER F.D.O.T. INDEX NO. 430-001 WITH WOVEN GEOTEXTILE TYPE D-3 (F.D.O.T. SECTION 985), SECURED W / STRAPPING. ALL JOINTS SHALL BE WRAPPED FOR A MINIMUM OF 18 INCHES FROM THE BAND OR JOINT OR BELL AND SPIGOT AS APPLICABLE.

DEWATERING

STORM SEWER PIPES AND STRUCTURES AND UTILITIES SHALL BE LAID "IN THE DRY", UNLESS OTHERWISE APPROVED IN WRITING BY THE UTILITY AND ENGINEER OF RECORD. THE CONTRACTOR, AT NO DIRECT COST TO THE OWNER, SHALL PERFORM ALL DEWATERING ACTIVITY. TRENCH EXCAVATIONS SHALL BE DEWATERED BY USING ONE OR MORE OF THE FOLLOWING METHODS: SOCK DRAINS, WELL POINT SYSTEM, SUMP PUMPS OR OTHER METHOD(S) AS APPROVED BY THE ENGINEER. DEWATERING SYSTEMS SHALL BE UTILIZED IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND MUST BE EFFICIENT ENOUGH TO LOWER THE WATER LEVEL IN ADVANCE OF THE EXCAVATION AND MAINTAIN IT CONTINUOUSLY TO KEEP THE TRENCH BOTTOM AND SIDES FIRM AND DRY. IF THE MATERIAL ENCOUNTERED AT TRENCH GRADE IS SUITABLE FOR THE PASSAGE OF WATER WITHOUT DESTROYING THE SIDES OR UTILITY FOUNDATION OF THE TRENCH, SUMPS MAY BE PROVIDED AT INTERVALS AT THE SIDE OF THE MAIN TRENCH EXCAVATION, WITH PUMPS USED TO LOWER THE WATER LEVEL BY TAKING THEIR SUCTION FROM SAID SUMPS. DISCHARGE FROM DEWATERING SHALL BE DISPOSED OF IN SUCH A MANNER THAT IT WILL NOT INTERFERE WITH NORMAL DRAINAGE OF THE AREA IN WHICH THE WORK IS BEING PERFORMED, CREATE A PUBLIC NUISANCE OR FORM PONDING. ALL DISCHARGE SHALL BE IN ACCORDANCE WITH ANY SFWMD ISSUED PERMITS. THE OPERATIONS SHALL NOT CAUSE INJURY TO ANY PORTION OF THE WORK COMPLETED OR IN PROGRESS OR TO THE SURFACE OF STREETS OR TO PRIVATE PROPERTY. THE ENGINEER OF RECORD AND NECESSARY REGULATORY AGENCIES, PRIOR TO CONSTRUCTION, SHALL APPROVE THE PROPOSED DEWATERING METHOD(S) AND SCHEDULE. ADDITIONALLY, WHERE PRIVATE PROPERTY WILL BE INVOLVED, THE CONTRACTOR SHALL OBTAIN ADVANCE PERMISSION FROM THE PROPERTY OWNER.

CONFLICTS

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME ACQUAINTED WITH EXISTING CONDITIONS AND TO LOCATE STRUCTURES AND STORM PIPES ALONG THE PROPOSED STORM PIPE ALIGNMENT IN ORDER TO AVOID CONFLICTS. WHERE ACTUAL CONFLICTS ARE UNAVOIDABLE, WORK SHALL BE COORDINATED WITH THE FACILITY OWNER AND PERFORMED SO AS TO CAUSE AS LITTLE INTERFERENCE AS POSSIBLE WITH THE SERVICE RENDERED BY THE FACILITY DISTURBED. ALL AFFECTED UTILITIES SHALL BE NOTIFIED PRIOR TO EXCAVATION IN THEIR VICINITY. CONTRACTOR TO POTHOLE ALL CONFLICTS OF EXISTING UTILITIES AND PROPOSED IMPROVEMENTS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION TO CONFIRM CONFLICT RESOLUTION SHOWN ON THE PLANS.

SOD

1. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. ALL SODDED AREAS SHALL BE GRASSED AS SPECIFIED ON PLANS AND SURVIVAL GUARANTEED FOR NINETY DAYS FROM DATE OF REPLACEMENT. SURVIVAL OF ALL RELOCATED TREES SHALL BE GUARANTEED FOR 1 YEAR AFTER TRANSPLANTING.

2. SODDING SHALL CONSIST OF SITE PREPARATION, FURNISHING AND PLACING SOD, STAPLES AND FERTILIZER AND IRRIGATING AT THE RATES AND MANNER DESCRIBED IN THIS SPECIFICATION FOR THE DESIGNATED AREAS.

3. UNLESS NOTED OTHERWISE ON LANDSCAPE PLANS, SOD SHALL BE ARGENTINE BAHIA GRASS AND SHALL BE 12-INCH BY 12-INCH SQUARES OR OTHER COMMERCIALLY AVAILABLE RECTANGLES. THE SOD SHALL BE SUFFICIENTLY THICK (MINIMUM THICKNESS OF 2 INCHES) TO PROVIDE A DENSE STAND OF LIVE GRASS. THE SOD SHALL HAVE BEEN GROWN ON MINERAL SOIL. SOD SHALL BE LIVE, FRESH, AND UNINJURED AT THE TIME OF PLANTING AND SHALL BE PROTECTED FROM DRYING OUT BY SHADING AND WATERING FROM THE TIME IT IS DUG UNTIL PLANTING.

4. FERTILIZER SHALL BE EITHER IN THE LIQUID OR DRY FORM. FERTILIZER SHALL BE UNIFORM IN COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH STANDARD EQUIPMENT. THE FERTILIZER SHALL CONFORM TO THE FLORIDA FERTILIZER LAWS IN EFFECT ON THE DATE OF IT BEING PLACED AND SHALL BE DELIVERED IN BAGS, BOTTLES, DRUMS, OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED AND BEARING THE NAME, TRADEMARK, ANALYSIS, AND WARRANTY OF THE PRODUCT. FERTILIZER SHALL HAVE AN AVAILABLE PLANT FOOD ANALYSIS OF 18-0-10 OR EQUIVALENT PLANT FOOD VALUE AND SHALL BE MIXED WITH THE TOP 3 TO 4 INCHES OF SOIL. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1 POUND PER 1,000 SQ. FT. NOT TO EXCEED 2-4 LBS. PER YEAR. ALL FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN AND CONTAIN NO PHOSPHORUS UNLESS THE SITE HAS BEEN TESTED AND VERIFIED AS PHOSPHORUS DEFICIENT BY THE UF-IFAS EXTENSION OFFICE. ALL FERTILIZER APPLICATION SHALL BE IN ACCORDANCE WITH PORT ST. LUCIE CITY ORDINANCE 14-10.

6. STAPLES FOR SOD PLACED ON SIDE SLOPES 3:1 & STEEPER SHALL BE BLACK IRON WIRE NOT SMALLER THAN 14 GAUGE, AND BENT FROM A LENGTH OF WIRE AT LEAST 25 INCHES LONG INTO A 'U' WITH A 1 INCH WIDTH AT THE CROWN. COST OF STAPLES SHALL BE INCIDENTAL TO THE SOD UNIT PRICE.

7. WATER USED FOR IRRIGATION MAY BE OBTAINED FROM ANY APPROVED SOURCE. IT SHALL BE FREE OF EXCESS AND HARMFUL CHEMICALS, ACIDS, ALKALIES, OR ANY SUBSTANCE, WHICH IS HARMFUL TO PLANT GROWTH.

8. WHERE SODDING WILL BE DONE, ALL LOOSE ROCK, WOODY MATERIAL, AND OTHER OBSTRUCTIONS THAT WILL INTERFERE WITH SODDING SHALL BE REMOVED AND THE AREA SHALL BE REASONABLY SMOOTH AND UNIFORM. LIME AND FERTILIZER WILL BE APPLIED IN THE SAME QUANTITY AND MANNER AS SPECIFIED BY THE MANUFACTURER.

9. THE SOD STRIPS SHALL BE LAID IN A STAGGERED PATTERN WITH SNUG EVEN JOINTS. ALL JOINTS SHALL BE BUTTED TIGHT TO PREVENT VOIDS. IMMEDIATELY FOLLOWING SOD PLACEMENT, IT SHALL BE ROLLED OR TAMPED TO INSURE SOLID CONTACT OF ROOT MAT TO SOIL SURFACE. THE SOD SHALL BE SECURELY ANCHORED TO THE SOIL BY PINNING WITH STAPLES OR WOODEN PEGS WHEN PLACED ON SLOPES 3:1 OR STEEPER. COST OF STAPLES AND PEGS SHALL BE INCIDENTAL TO THE SOD UNIT PRICE. PIN OR PEG EACH SEPARATE PIECE OF SOD PLACED OR EVERY 3 FEET ALONG EACH CONTINUOUS STRIP OF SOD.

SOIL EROSION PLAN

1. NO POLLUTION OR EROSION CAUSED BY THIS PROJECT WILL BE ALLOWED IN THE STORMWATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL INSTALL ANY DEVICES NECESSARY TO PREVENT POLLUTION OR EROSION. THE COST OF POLLUTION AND EROSION CONTROL SHALL BE INCIDENTAL TO THE COST OF THE CONSTRUCTION.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC SOIL EROSION CONTROL PLAN. IN GENERAL, THE SOIL EROSION CONTROL PLAN SHALL REQUIRE THAT ALL ON-SITE SOILS WILL REMAIN ON-SITE AND WILL NOT ERODE INTO THE ADJACENT ROADSIDE SWALES, ADJACENT PROPERTIES OR RETENTION DITCHES. ALL EXISTING SWALES SHALL REMAIN SODDED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCARIFY ONLY AS NECESSARY TO CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL SCARIFY AREAS TO PLACE VARIOUS PIPE WORK. AFTER PLACEMENT OF THE PIPE, THESE TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 98% MODIFIED PROCTOR AASHTO T-180. PRIOR TO DISCHARGE FROM THE SITE, SILTATION BARRIERS SHALL BE UTILIZED AS PER THE MOST RECENT FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL. THE DRAINAGE WHICH OUTFALLS TO THE RETENTION AREAS SHALL BE STABILIZED AND SODDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. ANY DEWATERING OR PUMPING OF WATER INTO THE ROADSIDE SWALES OR RETENTION SWALES SHALL BE STAKED WITH SILTATION FENCES AS PER THE MOST RECENT FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL TO AVOID FILLING THESE AREAS. UPON COMPLETION OF THE SITE WORK, ALL AREAS SHALL BE SODDED TO AVOID EROSION. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL STATE WATER QUALITY CRITERIA. SPECIFICALLY, NO OFF-SITE DISCHARGES WILL BE ALLOWED WHICH EXCEED THE STATE TURBIDITY CRITERIA.

WATER QUALITY NOTES

1. THE CONTRACTOR MUST MAINTAIN A COPY OF THE LATEST LOCAL WATER MANAGEMENT DISTRICT SURFACE WATER PERMIT, COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY DISTRICT REPRESENTATIVES. THE CONTRACTOR SHALL REVIEW THE COMPLETE PERMIT PRIOR TO COMMENCEMENT OF THE ACTIVITY AUTHORIZED BY THE PERMIT.

2. ALL ACTIVITIES SHALL BE IMPLEMENTED AS SET FORTH IN THE PLANS, SPECIFICATIONS AND PERFORMANCE CRITERIA AS APPROVED BY LOCAL SURFACE WATER PERMIT. ANY DEVIATION FROM THE PERMITTED ACTIVITY AND THE CONDITIONS FOR UNDERTAKING THAT ACTIVITY SHALL BE CONSIDERED A VIOLATION OF THE PERMIT. PRIOR TO ANY WORK COVERED BY A PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), A NOTICE OF CONSTRUCTION COMMENCEMENT (FORM 0960) MUST BE SUBMITTED TO SFWMD BY THE PERMITTEE OR AUTHORIZED AGENT.

3. THE LOCAL WATER MANAGEMENT DISTRICT AUTHORIZED STAFF, UPON PROPER IDENTIFICATION, MUST BE GRANTED PERMISSION TO ENTER, INSPECT AND OBSERVE THE SYSTEM TO INSURE CONFORMITY WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE PERMIT.

4. PRIOR TO AND DURING CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES (BEST MANAGEMENT PRACTICES) REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS. ALL PRACTICES MUST BE I