

WATER AND SEWER IMPROVEMENTS
FOR
RIVERLAND PARCEL D
PLAT EIGHT

CIVIL CONSTRUCTION PLANS & SPECIFICATIONS
SECTIONS 19 & 20, TOWNSHIP 37 S, RANGE 39 E
CITY OF PORT ST. LUCIE, FLORIDA



LOCATION MAP
N.T.S.



VICINITY AERIAL MAP
N.T.S.

LEGAL DESCRIPTION:

BEING A PARCEL OF LAND LYING WITHIN SECTIONS 19 AND 20, TOWNSHIP 37 SOUTH, RANGE 39 EAST, CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF TRACT "OS3", RIVERLAND PARCEL D - PLAT FIVE, AS RECORDED IN PLAT BOOK 124, PAGE 1, PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA; THENCE ALONG THE NORTHERLY BOUNDARY OF SAID RIVERLAND PARCEL D - PLAT FIVE FOR THE FOLLOWING FOUR (4) DESCRIBED COURSES, SOUTH 81°07'13" WEST, A DISTANCE OF 50.55 FEET; THENCE NORTH 89°58'34" WEST, A DISTANCE OF 1001.68 FEET; THENCE NORTH 85°35'36" WEST, A DISTANCE OF 65.93 FEET; THENCE NORTH 89°55'18" WEST, A DISTANCE OF 237.09 FEET; THENCE ALONG THE EASTERLY LINE OF N/S A RIGHT-OF-WAY, 150 FEET IN WIDTH, AS RECORDED IN OFFICIAL RECORDS BOOK, 3902, PAGE 484, SAID PUBLIC RECORDS, FOR THE FOLLOWING TWO (2) DESCRIBED COURSES; NORTH 00°10'54" EAST, A DISTANCE OF 729.71 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 2080.00 FEET, A CENTRAL ANGLE OF 17°49'23"; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE TO THE LEFT, A DISTANCE OF 647.03 FEET TO A POINT ON A CURVE, CONCAVE SOUTHERLY, HAVING A RADIAL BEARING OF SOUTH 15°38'09" EAST, A RADIUS OF 1161.40 FEET AND A CENTRAL ANGLE OF 24°25'17"; THENCE ALONG THE SOUTHERLY LINE OF RIVERLAND PARCEL C - PLAT NINE, AS RECORDED IN PLAT BOOK 89, PAGE 27, SAID PUBLIC RECORDS, FOR THE FOLLOWING TWO (2) DESCRIBED COURSES, AND EASTERLY ALONG THE ARC OF SAID CURVE TO THE RIGHT, A DISTANCE OF 495.03 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE, CONCAVE NORTHERLY, HAVING A RADIUS OF 7100.00 FEET, A CENTRAL ANGLE OF 08°24'28"; THENCE EASTERLY ALONG THE ARC OF SAID CURVE TO THE LEFT, A DISTANCE OF 1041.89 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE, CONCAVE SOUTHERLY, HAVING A RADIUS OF 72.00 FEET, AND A CENTRAL ANGLE OF 44°10'46"; THENCE ALONG THE WESTERLY BOUNDARY OF RIVERLAND PARCEL D - PLAT SEVEN, AS RECORDED IN PLAT BOOK ____ PAGE ____ SAID PUBLIC RECORDS, FOR THE FOLLOWING SIX (6) DESCRIBED COURSES, AND EASTERLY ALONG THE ARC OF SAID CURVE TO THE RIGHT, A DISTANCE OF 55.52 FEET TO A POINT OF TANGENCY; THENCE SOUTH 45°26'34" EAST, A DISTANCE OF 18.33 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 50.00 FEET, A CENTRAL ANGLE OF 45°00'00"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE TO THE RIGHT, A DISTANCE OF 39.27 FEET TO A POINT OF TANGENCY; THENCE SOUTH 00°26'34" EAST, A DISTANCE OF 45.84 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 60.00 FEET, A CENTRAL ANGLE OF 67°59'28"; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE TO THE RIGHT, A DISTANCE OF 71.20 FEET TO A POINT OF NON-TANGENT INTERSECTION WITH A LINE; THENCE SOUTH 00°26'34" EAST, A DISTANCE OF 1139.94 FEET; THENCE SOUTH 89°33'26" WEST ALONG THE NORTHERLY BOUNDARY OF SAID RIVERLAND PARCEL D - PLAT FIVE, A DISTANCE OF 128.20 FEET TO THE POINT OF BEGINNING.

CONTAINING 46.725 ACRES, MORE OR LESS.

PLAN FOR
RIVERLAND ASSOCIATES IV LLLP

ENGINEER & SURVEYOR



ENGINEERING & SURVEYING, LLC.

1449 NW COMMERCE CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 879-0477

ENGINEER'S PROJECT NO. 24-1009

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
01	COVER SHEET
02 - 07	WATER AND SEWER PLANS
08	OVERALL WATER AND SEWER PLAN
09 - 10	PROFILES

NOTE:
PSLUSD STANDARDS AND DETAILS EFFECTIVE 2019.
A COPY OF THE 2019 EDITION OF THE PSLUSD UTILITY STANDARDS
MANUAL AND UTILITY STANDARD DETAILS SHALL BE AVAILABLE
ON-SITE AT ALL TIMES UTILITY RELATED WORK IS BEING PERFORMED.

ENGINEERING & SURVEYING, LLC.
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PHONE: (772) 879-0477
FBPE C.O.A. # 32222

REVISIONS:		COMMENT:
BY:	DATE:	
SG	08-02-24	SPRG COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE, FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV LLLP

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
11/8/24

PROJECT No.:	24-1009
DRAWN BY:	SG
CHECKED BY:	DG
DATE:	04/18/2024
CAD I.D.:	24-1009 - COVER

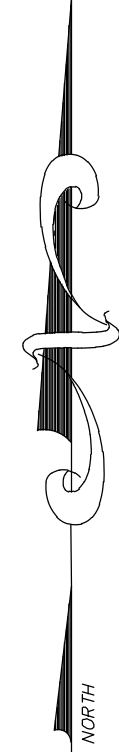
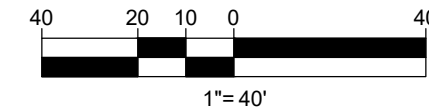
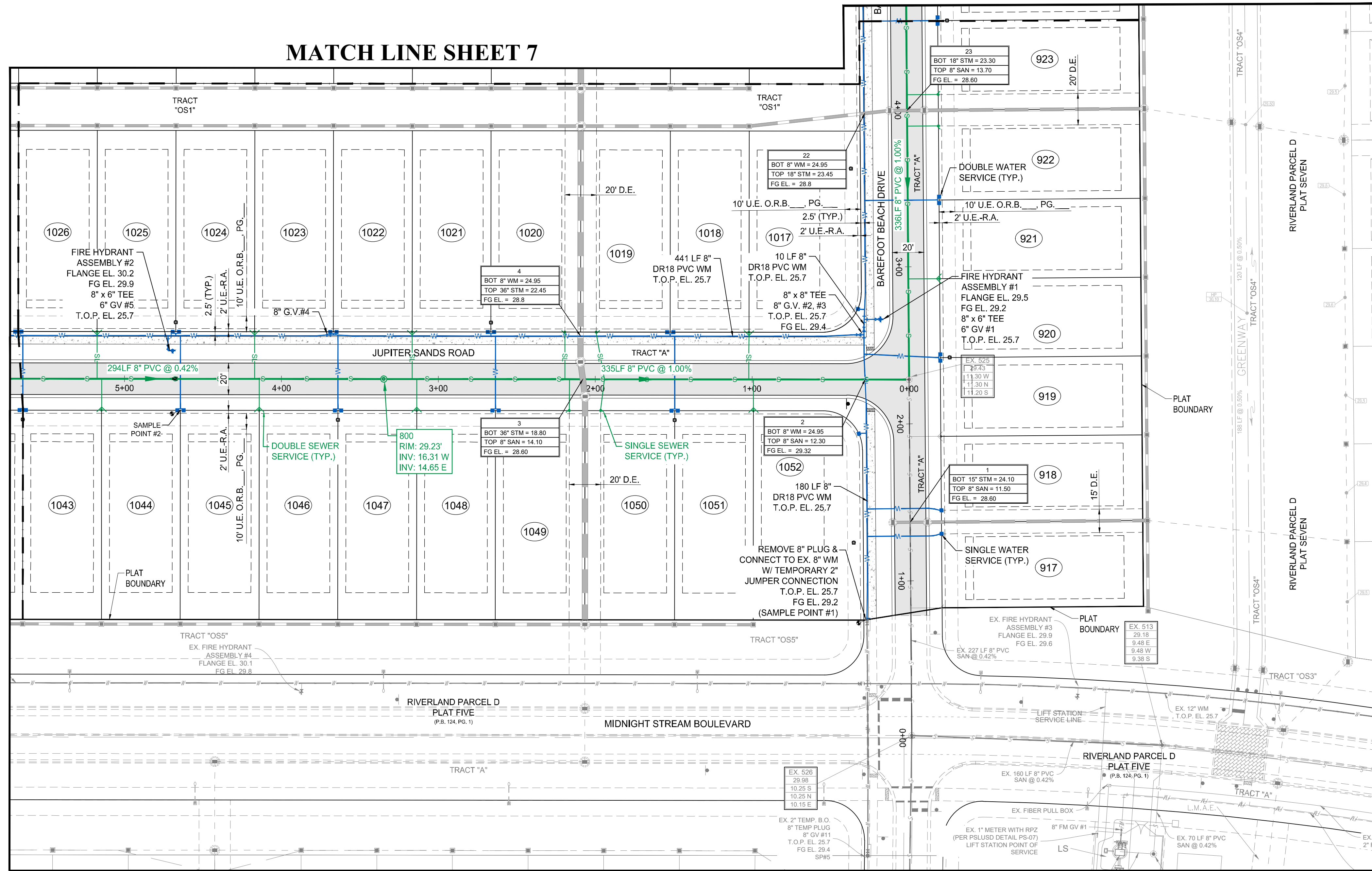
SHEET TITLE: COVER SHEET

SHEET NUMBER: 01

KNOW WHAT'S BELOW
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CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H

MATCH LINE SHEET 3



LEGEND

WATER MAIN WITH VALVE,
SINGLE WATER SERVICE, DOUBLE
WATER SERVICE AND FIRE HYDRANT

SANITARY SEWER MAIN WITH
SINGLE SEWER SERVICE, DOUBLE
WATER SERVICE, MANHOLE,
CALLOUT AND FLOW DIRECTION

STORM SEWER WITH CATCH BASIN

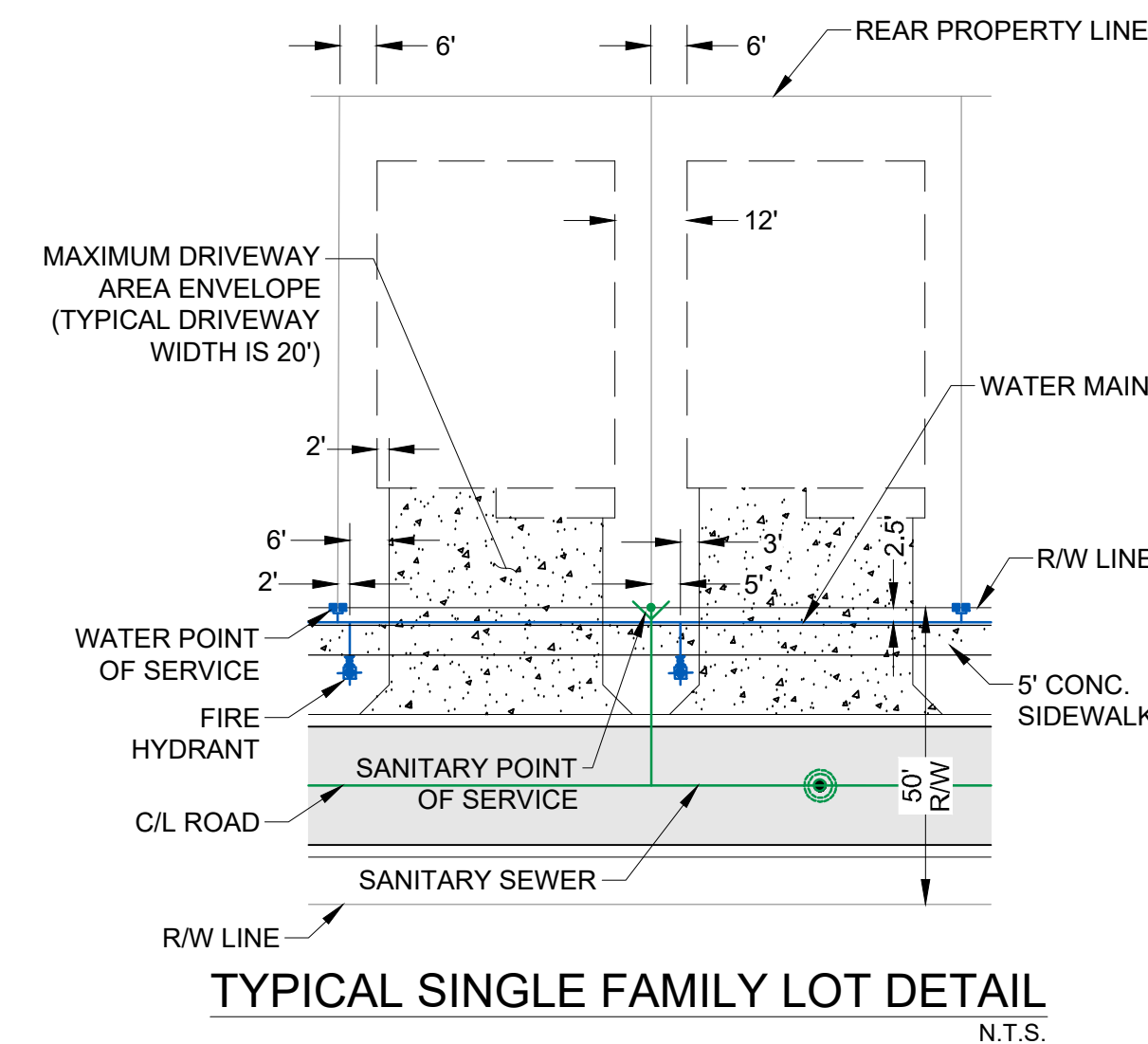
BACTERIOLOGICAL SAMPLE POINT

STREET LIGHTS

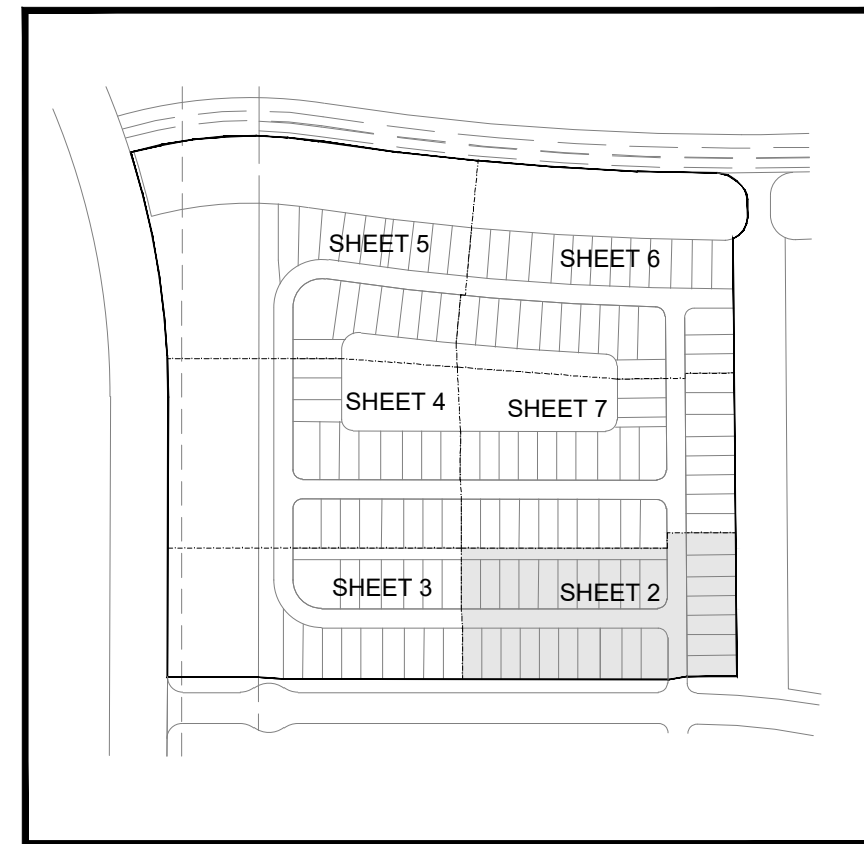
LOT NUMBER

BUFFER EASEMENT
DRAINAGE EASEMENT
DRAINAGE SWALE EASEMENT
ELEVATION
FINISHED GRADE
FIRE HYDRANT
FORCE MAIN
GATE VALVE
INVERT
LANDSCAPE EASEMENT
LAKE MAINTENANCE ACCESS EASEMENT
LAKE MAINTENANCE EASEMENT
MANHOLE
OPEN SPACE
POINT OF SERVICE
CITY OF PORT ST. LUCIE UTILITY
SYSTEMS DEPARTMENT
SANITARY SEWER
TOP OF PIPE
UTILITY EASEMENT
UTILITY EASEMENT - RESTRICTED AREA
(SEE "U.E." PLAT DEDICATION)
WATER MAIN

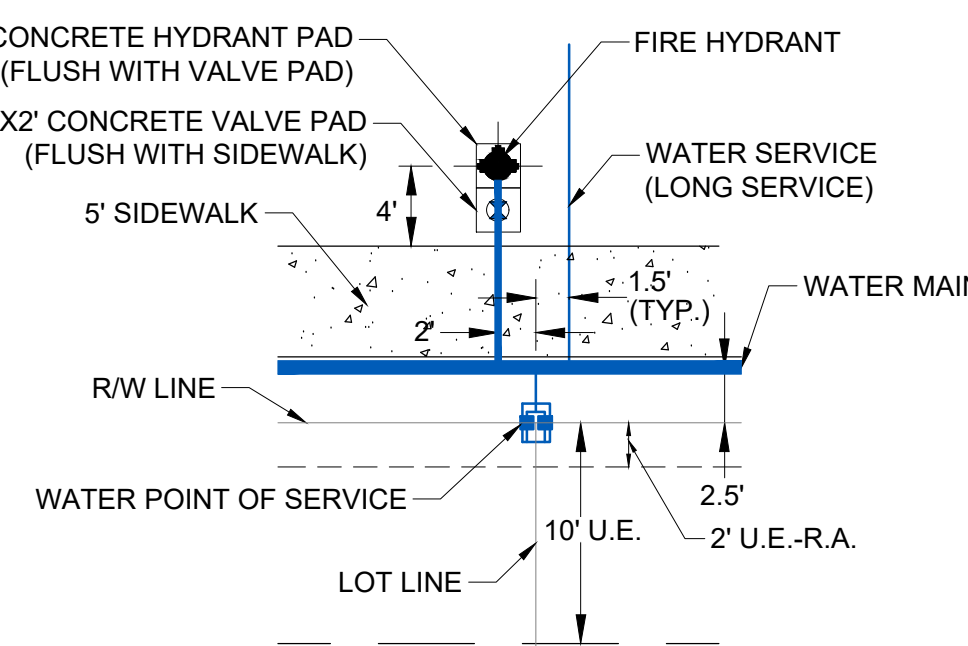
B.E.
D.E.
D.S.E.
EL.
FG
F.H.
FM
GV
INV.
L.E.
L.M.A.E.
L.M.E.
MH
O.S.
P.O.S.
P.S.U.E.
PSLUSD
SAN
T.O.P.
U.E.
U.E.-R.A.
WM



TYPICAL SINGLE FAMILY LOT DETAIL
N.T.S.



KEY MAP
N.T.S.



TYPICAL FIRE HYDRANT AND
WATER SERVICE DETAIL
N.T.S.

NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT (PSLUSD) UTILITY STANDARDS MANUAL, 2019 EDITION AS WELL AS THE PSLUSD UTILITY STANDARD DETAILS, 2019 EDITION. A COPY OF THE 2019 EDITION OF THE PSLUSD UTILITY STANDARDS MANUAL AND UTILITY STANDARD DETAILS SHALL BE AVAILABLE ON-SITE AT ALL TIMES UTILITY RELATED WORK IS BEING PERFORMED.
- PRIOR TO CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY (ELEVATION AND LOCATION) ALL EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR (EOR) TO CONTINUATION OF WORK.
- THERE SHALL BE NO FIELD CHANGES OR DEVIATIONS FROM DESIGN WITHOUT PRIOR WRITTEN APPROVAL OF THE PSLUSD AND EOR.
- ELEVATIONS - ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- ALL WATER AND WASTEWATER PRESSURE MAINS SHALL BE PVC, C-900, DR18 (PRESSURE CLASS 235).
- ALL GRAVITY SEWER PIPE, FITTINGS AND SERVICE LINES SHALL BE PVC, SDR 26 AND, AS A MINIMUM, CONFORM TO ASTM D-3034. FOR DEPTHS GREATER THAN 15', THE PIPE, JOINTS AND FITTINGS SHALL MEET THE SPECIFICATIONS FOR PRESSURE MAINS.
- VALVES SHALL NOT BE PLACED IN CURBS, GUTTERS, SIDEWALKS, PARKING SPACES AND HANDICAP RAMPS. WHERE CONCRETE VALVE PADS TO BE OWNED BY PSLUSD ARE ADJACENT TO SIDEWALKS, THE PADS SHALL BE POURED AS PART OF THE SIDEWALK POUR WITH NO JOINTS.
- PRIOR TO FINAL CERTIFICATION AND THE ASSURANCE OF FINAL WATER METERS FOR THIS PLAT, THE WATER MAIN SHALL BE LOOPED.
- NO PART OF A METER BOX, CLEAN OUT, OR CONCRETE COLLAR SHALL BE IN CONFLICT WITH A DRIVEWAY. VALVES SHALL NOT BE PLACED IN CURBS, GUTTERS, SIDEWALKS, PARKING SPACES, AND HANDICAP RAMPS (PSLUSD 2019 USM, PAGE 19 LINES 44-45).
- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE A MINIMUM OF 18" ON CENTER (PSLUSD STANDARDS DETAIL W-01, NOTE 1).
- ALL SERVICES LINE AFTER THE METER SHALL BE LOCATED ON THE PROPERTY, OUTSIDE OF ANY EASEMENTS (PSLUSD 2019 USM, PAGE 21 LINES 10-11).
- WATER METERS SHALL NOT BE LOCATED WITHIN 10' OF WASTEWATER AND RECLAIMED WATER SERVICE LINES (PSLUSD 2019 USM, PAGE 21 LINES 17-18).

RECORD DRAWING VALVE CHART										
PLAN ID	SIZE (IN.)	FLUID	TYPE	MANUFACTURER	MODEL	DATE SET	No. OF TURNS	COVER	T/P	GROUND
GV-1	6"	POTABLE (FH)	GATE VALVE	MUELLER						
GV-2	8"	POTABLE	GATE VALVE	MUELLER						
GV-3	8"	POTABLE	GATE VALVE	MUELLER						
GV-4	8"	POTABLE	GATE VALVE	MUELLER						
GV-5	6"	POTABLE (FH)	GATE VALVE	MUELLER						

ENGINEERING & SURVEYING, LLC
1449 NW COMMERCIAL CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 878-5477
FBIE C.O.A. # 0222

REVISIONS:

BY:	DATE:	COMMENT:
SG	06-02-24	SPRG COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D PLAT 8
CITY OF PORT ST. LUCIE, FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV LLLP

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
11/8/24

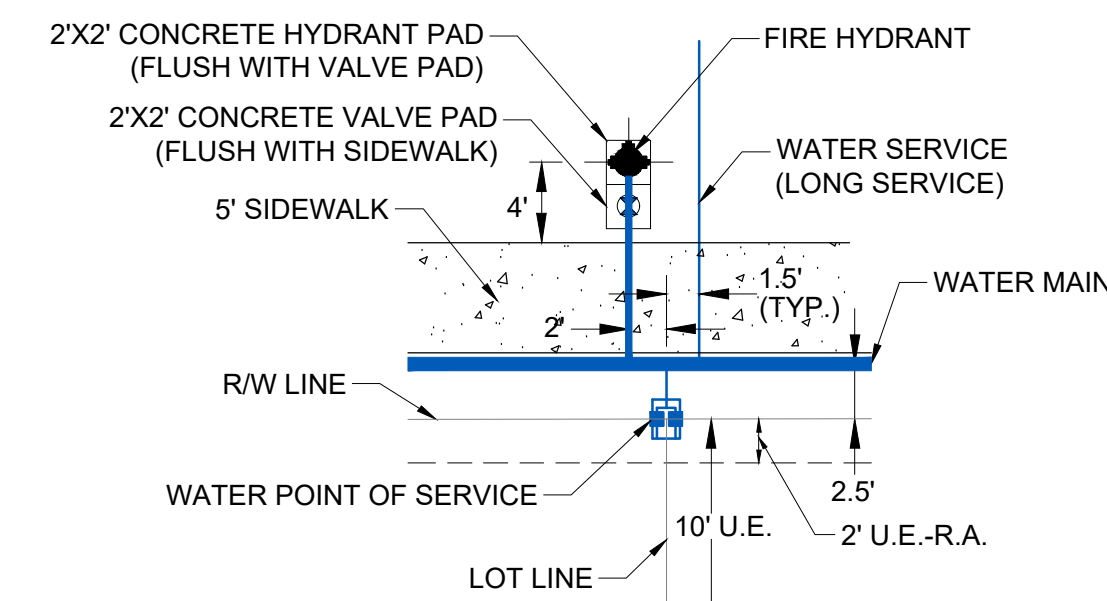
PROJECT No.: 24-1009
DRAWN BY: SOG
CHECKED BY: DG
DATE: 04/18/2024
CAD ID.: 24-1009 - WS PLAN

SHEET TITLE: WATER AND SEWER PLAN

SHEET NUMBER: 02

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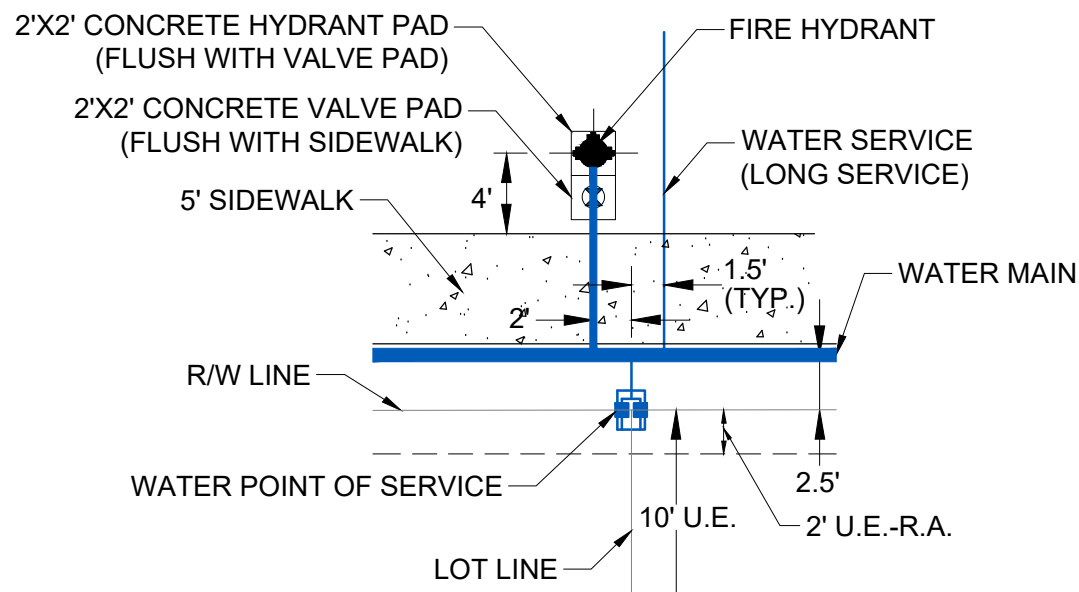
CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H



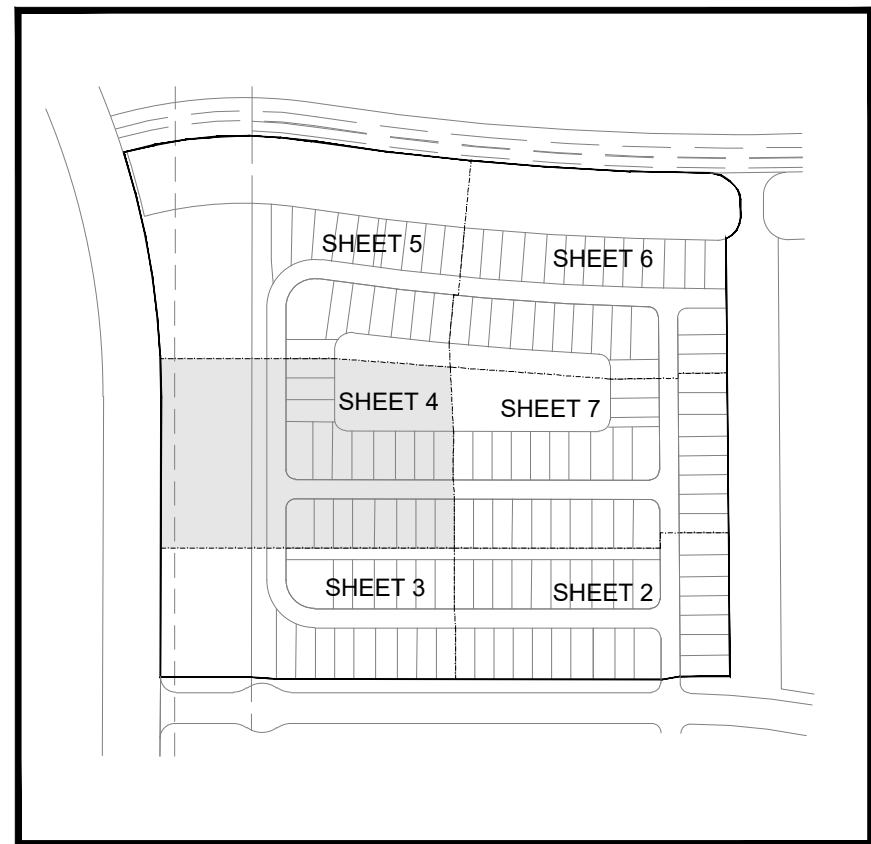
Printed on Friday, November 08, 2024, 10:23 AM by Shingy Gomez

- NOTES:
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT (PSLUSD) UTILITY STANDARDS MANUAL, 2019 EDITION AS WELL AS THE PSLUSD UTILITY STANDARD DETAILS, 2019 EDITION. A COPY OF THE 2019 EDITION OF THE PSLUSD UTILITY STANDARDS MANUAL AND UTILITY STANDARD DETAILS SHALL BE AVAILABLE ON-SITE AT ALL TIMES UTILITY RELATED WORK IS BEING PERFORMED.
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 4. ELEVATIONS - ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 5. ALL WATER AND WASTEWATER PRESSURE MAINS SHALL BE PVC, C-900, DR18 (PRESSURE CLASS 235).
 6. ALL GRAVITY SEWER PIPE, FITTINGS AND SERVICE LINES SHALL BE PVC, SDR 26 AND, AS A MINIMUM, CONFORM TO ASTM D-3034. FOR DEPTHS GREATER THAN 15', THE PIPE, JOINTS AND FITTINGS SHALL MEET THE SPECIFICATIONS FOR PRESSURE MAINS.
 7. VALVES SHALL NOT BE PLACED IN CURBS, GUTTERS, SIDEWALKS, PARKING SPACES AND HANDICAP RAMPS. WHERE CONCRETE VALVE PADS TO BE OWNED BY PSLUSD ARE ADJACENT TO SIDEWALKS, THE PADS SHALL BE POURED AS PART OF THE SIDEWALK POUR WITH NO JOINTS.
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 9. NO PART OF A METER BOX, CLEAN OUT, OR CONCRETE COLLAR SHALL BE IN CONFLICT WITH A DRIVEWAY. VALVES SHALL NOT BE PLACED IN CURBS, GUTTERS, SIDEWALKS, PARKING SPACES, AND HANDICAP RAMPS (PSLUSD 2019 USM, PAGE 19 LINES 44-45).
 10. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE A MINIMUM OF 18" ON CENTER (PSLUSD STANDARDS DETAIL W-01, NOTE 1).
 11. ALL SERVICES LINE AFTER THE METER SHALL BE LOCATED ON THE PROPERTY, OUTSIDE OF ANY EASEMENTS (PSLUSD 2019 USM, PAGE 21 LINES 10-11).
 12. WATER METERS SHALL NOT BE LOCATED WITHIN 10' OF WASTEWATER AND RECLAIMED WATER SERVICE LINES (PSLUSD 2019 USM, PAGE 21 LINES 17-18).

RECORD DRAWING VALVE CHART											
PLAN ID	SIZE (IN.)	FLUID	TYPE	MANUFACTURER	MODEL	DATE SET	No. OF TURNS	COVER	T/P	GROUND	PSLUSD#
GV-8	6"	POTABLE (FH)	GATE VALVE	MUELLER							
GV-9	6"	POTABLE	GATE VALVE	MUELLER							
GV-10	8"	POTABLE	GATE VALVE	MUELLER							
GV-11	6"	POTABLE (FH)	GATE VALVE	MUELLER							
GV-23	6"	POTABLE (FH)	GATE VALVE	MUELLER							



TYPICAL FIRE HYDRANT AND
WATER SERVICE DETAIL
N.T.S.



KEY MAP
N.T.S.



CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H

LEGEND

WATER MAIN WITH VALVE,
SINGLE WATER SERVICE, DOUBLE
WATER SERVICE AND FIRE HYDRANT

SANITARY SEWER MAIN WITH
SINGLE SEWER SERVICE, DOUBLE
WATER SERVICE, MANHOLE,
CALLOUT AND FLOW DIRECTION

STORM SEWER WITH CATCH BASIN

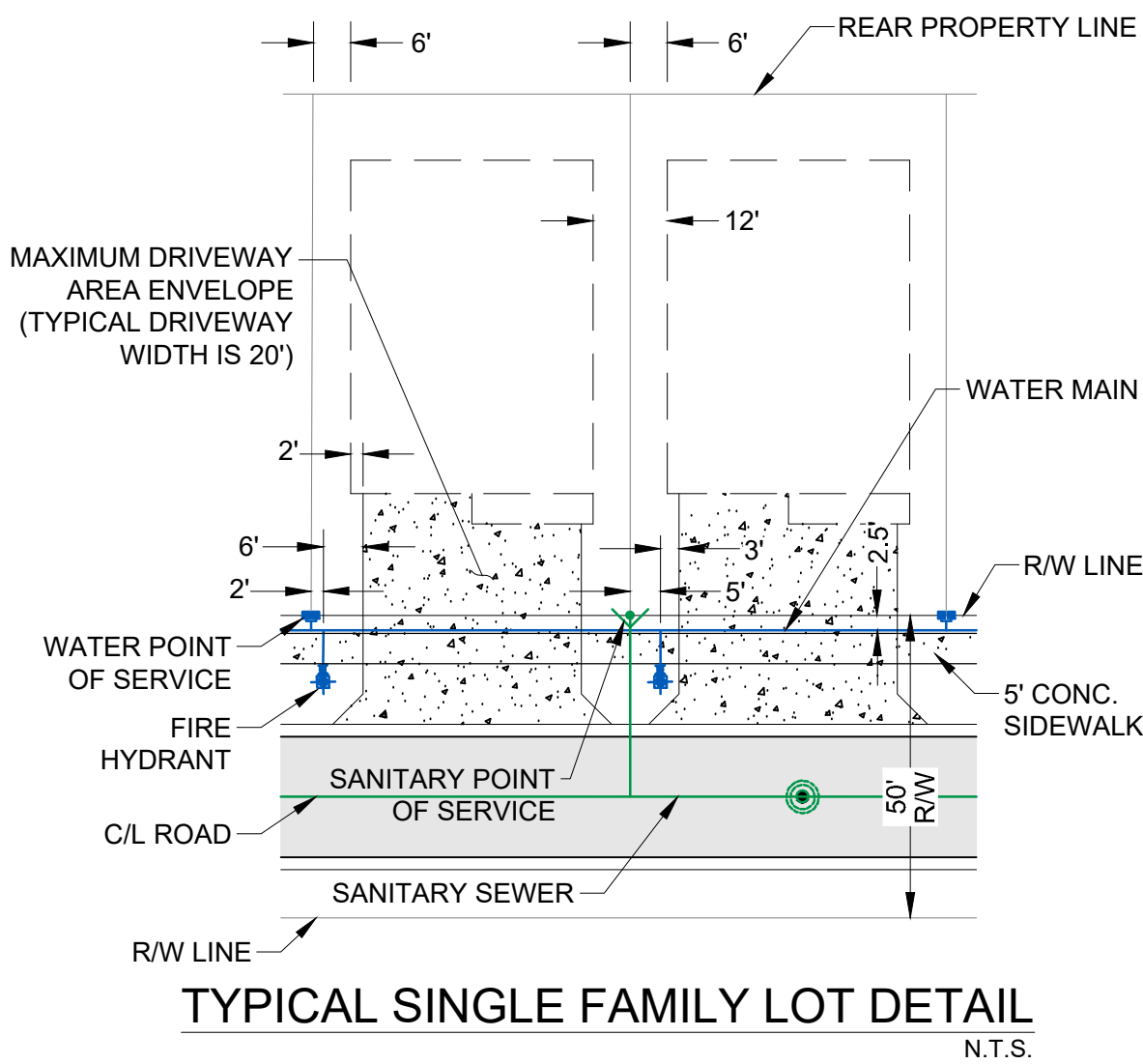
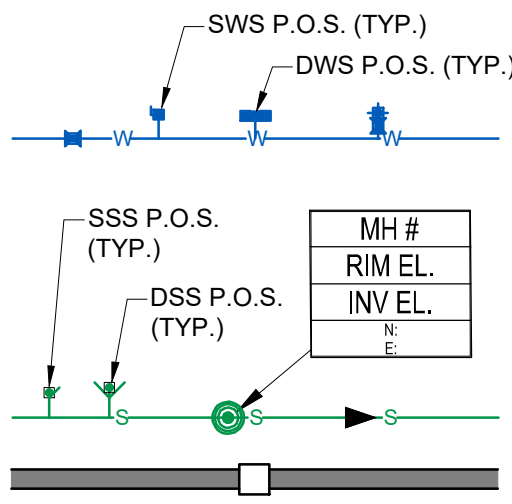
BACTERIOLOGICAL SAMPLE POINT

STREET LIGHTS

LOT NUMBER

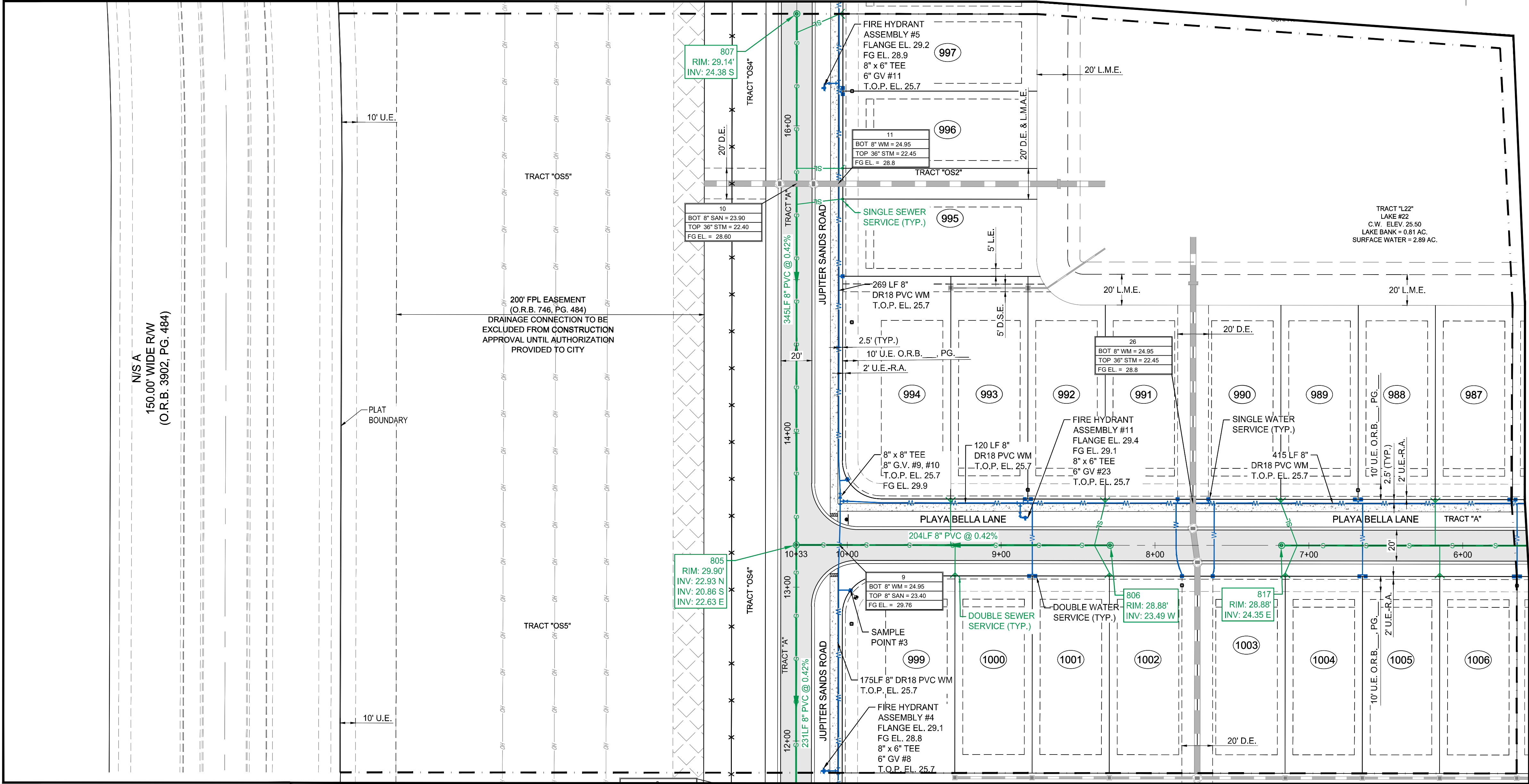
BUFFER EASEMENT
DRAINAGE EASEMENT
DRAINAGE SWALE EASEMENT
ELEVATION
FINISHED GRADE
FIRE HYDRANT
FORCE MAIN
GATE VALVE
INVERT
LANDSCAPE EASEMENT
LAKE MAINTENANCE ACCESS EASEMENT
LAKE MAINTENANCE EASEMENT
MANHOLE
OPEN SPACE
POINT OF SERVICE
CITY OF PORT ST. LUCIE UTILITY
SYSTEMS DEPARTMENT
SANITARY SEWER
TOP OF PIPE
UTILITY EASEMENT - RESTRICTED AREA
(SEE "U.E." PLAT DEDICATION)
WATER MAIN

B.E.
D.E.
D.S.E.
EL.
FG
F.H.
FM
GV
INV.
L.E.
L.M.A.E.
L.M.E.
MH
O.S.
P.O.S.
P.S.L.U.E.
SAN
T.O.P.
U.E.
U.E.-R.A.
WM



MATCH LINE SHEET 7

MATCH LINE SHEET 5



MATCH LINE SHEET 3

ENGINEERING & SURVEYING, LLC.
1449 NW COMMERCIAL CENTRE DR.
PORT ST. LUCIE, FL 34986
PHONE: (772) 878-5477
FBPE C.O.A. # 3222

REVISIONS:

BY:	DATE:	COMMENT:
SG	06-02-24	SPRG COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE, FLORIDA

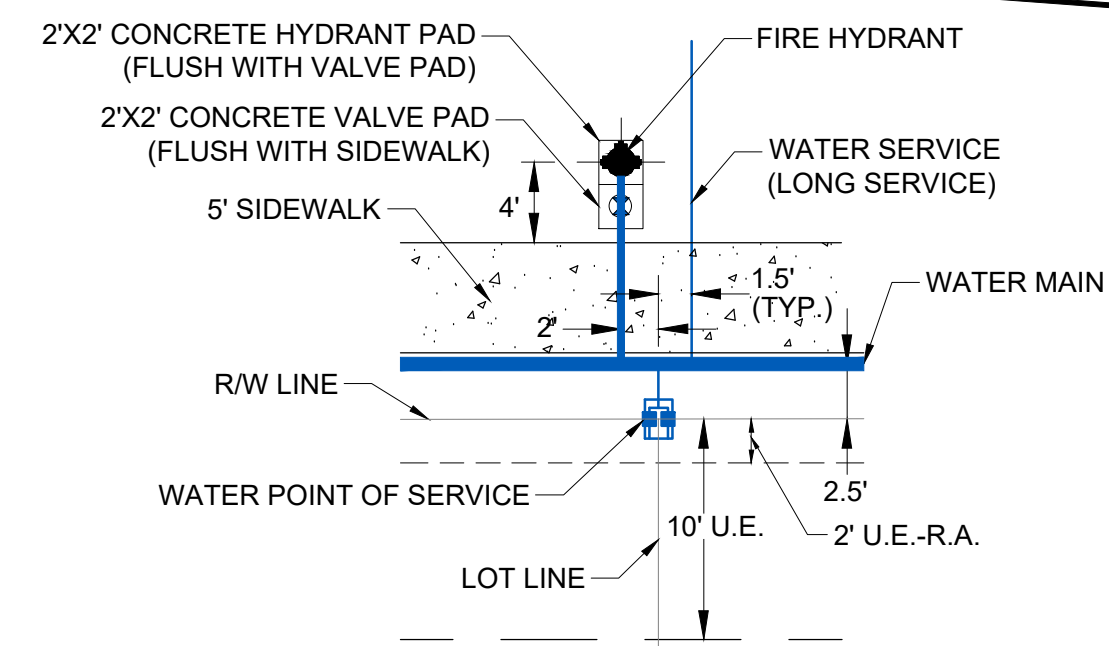
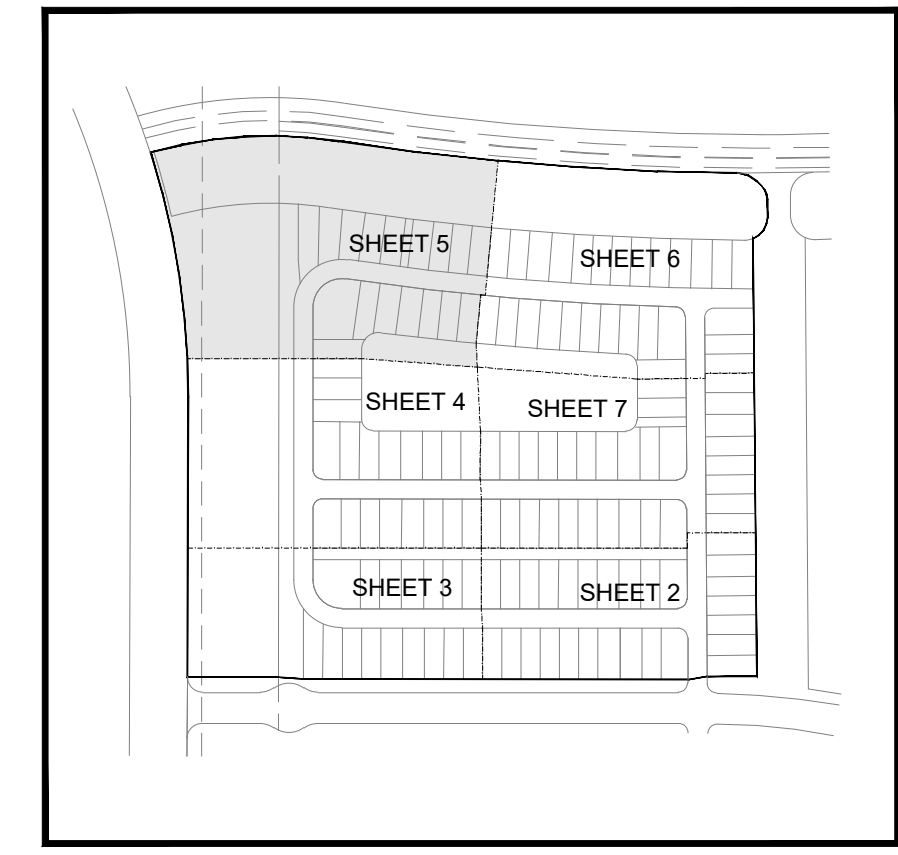
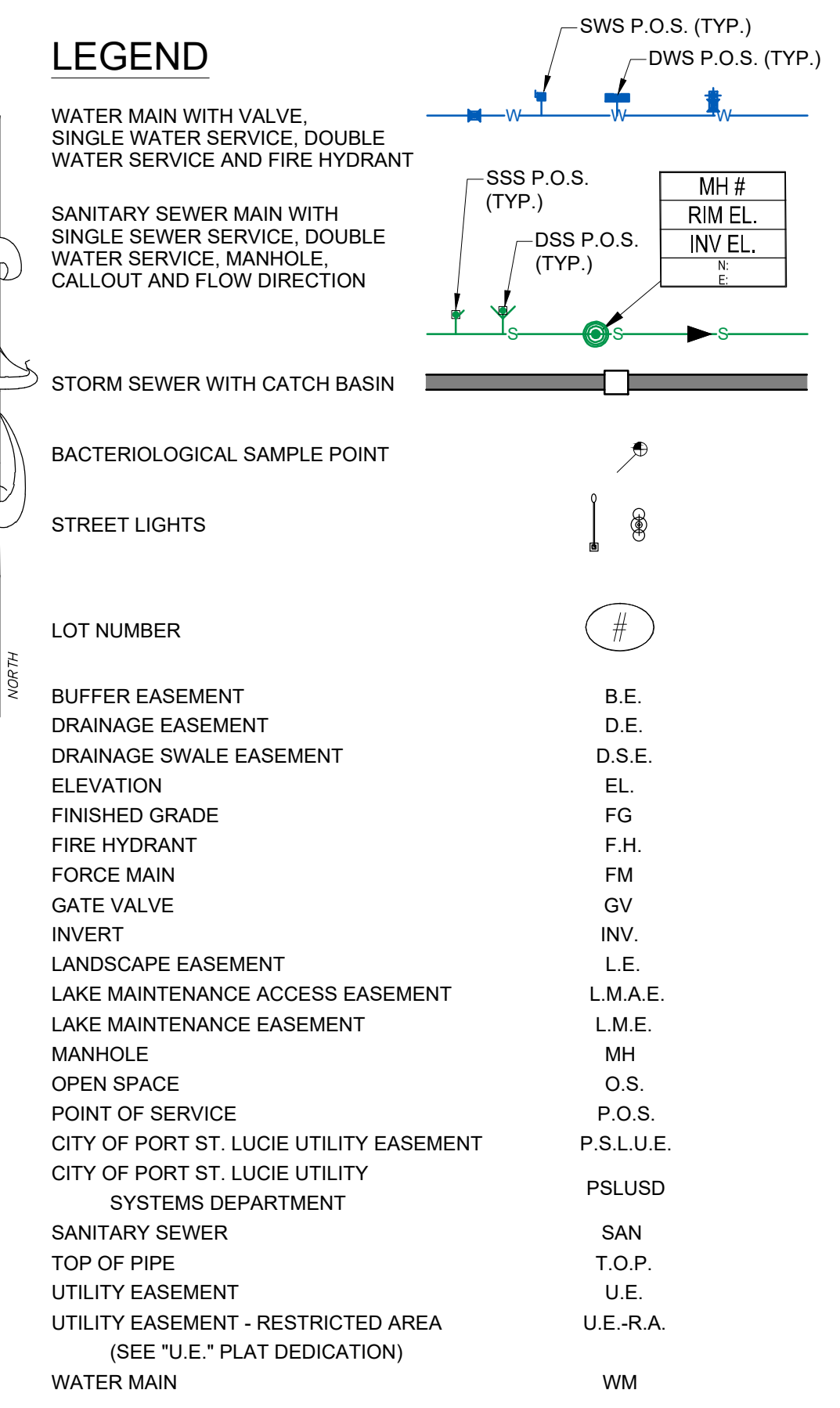
CLIENT: RIVERLAND ASSOCIATES IV LLP

DARREN GUETTLER, PE
FLORIDA LICENSE NO. 74637
11/8/24

PROJECT NO.: 24-1009
DRAWN BY: SOG
CHECKED BY: DG
DATE: 04/18/2024
CAD ID: 24-1009 - WS PLAN

SHEET TITLE: WATER AND SEWER PLAN

SHEET NUMBER: 04



RECORD DRAWING VALVE CHART											
PLAN ID	SIZE (IN.)	FLUID	TYPE	MANUFACTURER	MODEL	DATE SET	No. OF TUERN	COVER	T/P	GROUND	PSLUSD#
GV-12	6"	POTABLE (FH)	GATE VALVE	MUELLER							
GV-13	8"	POTABLE	GATE VALVE	MUELLER							



CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H



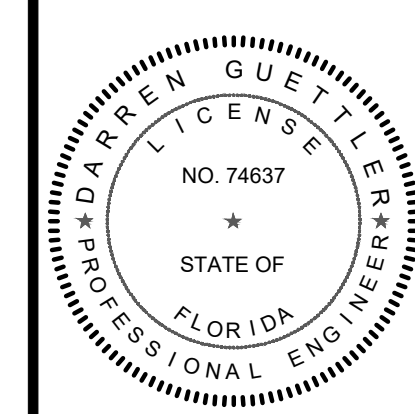
VELCON
ENGINEERING & SURVEYING, LLC

1440 NW COMMERCE CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 879-0477
FBPE C.O.A. # 32222

[illegible]

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE,
FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV
LLLP



DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
11/8/24

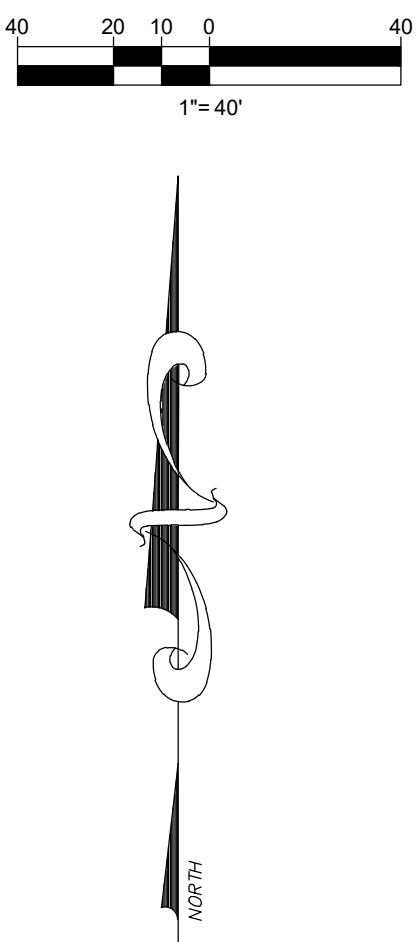
PROJECT No.: 24-1009
DRAWN BY: SOG
CHECKED BY: DG
DATE: 04/18/2024
CAD I.D.: 24-1009 - WS PLAN

SHEET TITLE:

**WATER AND
SEWER PLAN**

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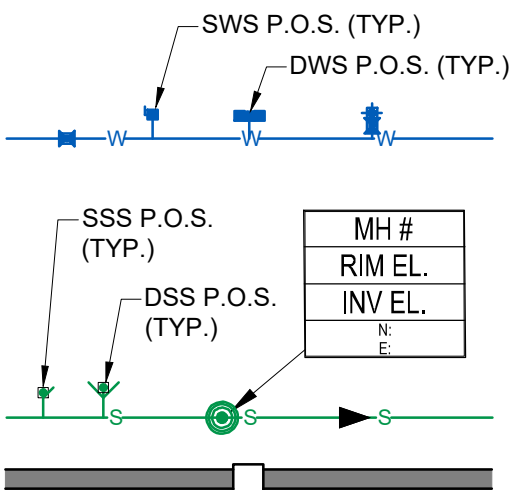
05



LEGEND

WATER MAIN WITH VALVE,
SINGLE WATER SERVICE, DOUBLE
WATER SERVICE AND FIRE HYDRANT

SANITARY SEWER MAIN WITH
SINGLE SEWER SERVICE, DOUBLE
WATER SERVICE, MANHOLE,
CALLOUT AND FLOW DIRECTION



STORM SEWER WITH CATCH BASIN

BACTERIOLOGICAL SAMPLE POINT

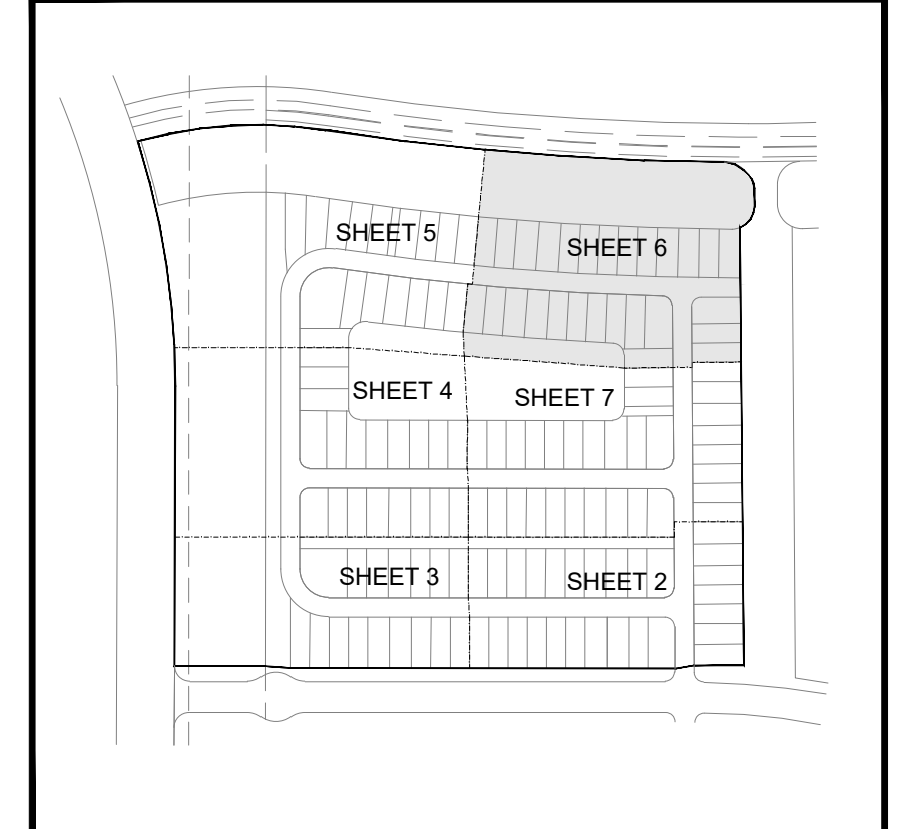
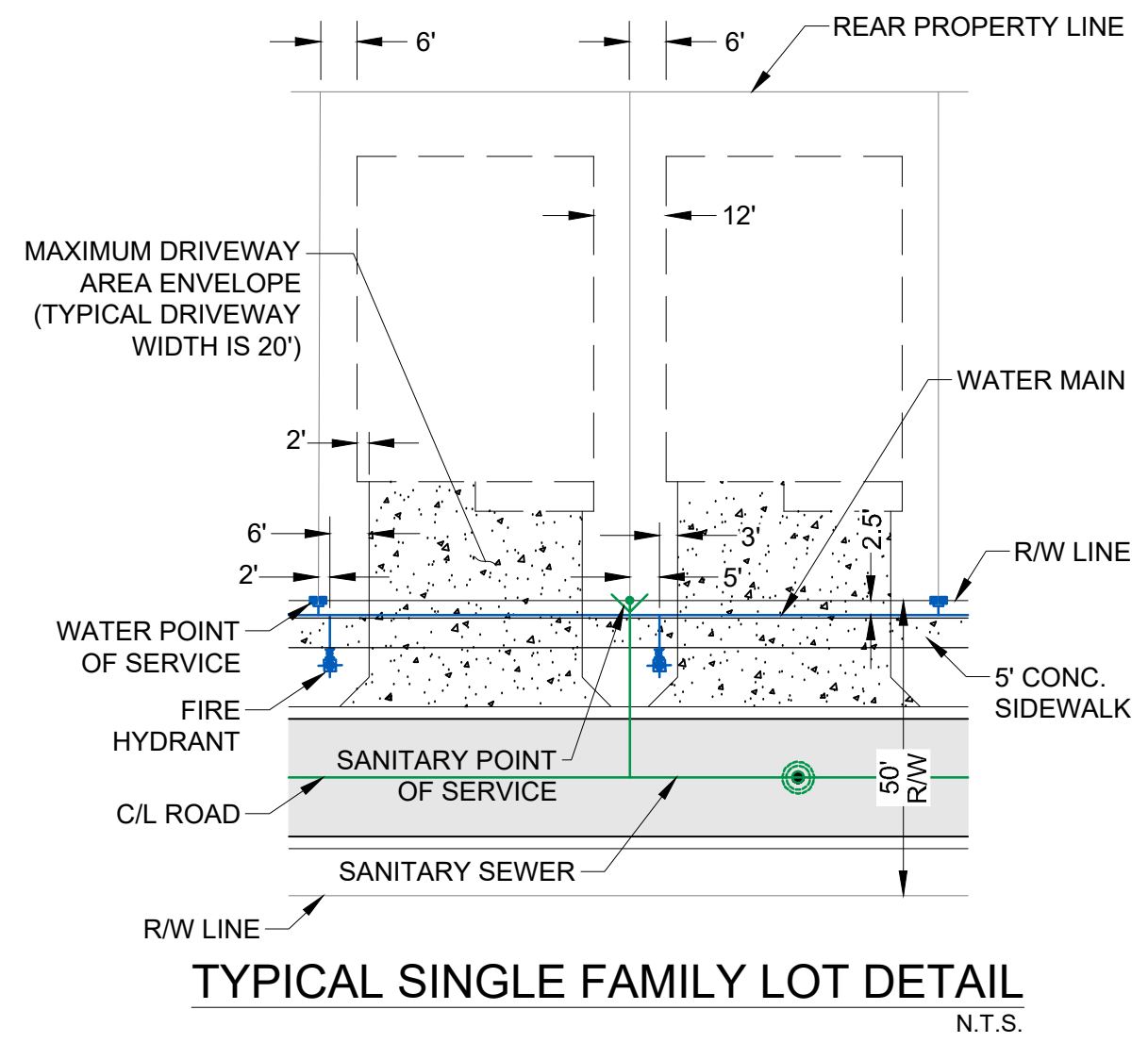
STREET LIGHTS

LOT NUMBER

BUFFER EASEMENT
DRAINAGE EASEMENT
DRAINAGE SWALE EASEMENT
ELEVATION
FINISHED GRADE
FIRE HYDRANT
FORCE MAIN
GATE VALVE
INVERT
LANDSCAPE EASEMENT
LAKE MAINTENANCE ACCESS EASEMENT
LAKE MAINTENANCE EASEMENT
MANHOLE
OPEN SPACE
POINT OF SERVICE
CITY OF PORT ST. LUCIE UTILITY EASEMENT
CITY OF PORT ST. LUCIE UTILITY
SYSTEMS DEPARTMENT
SANITARY SEWER
TOP OF PIPE
UTILITY EASEMENT
UTILITY EASEMENT - RESTRICTED AREA
(SEE "U.E." PLAT DEDICATION)
WATER MAIN

(#)

B.E.
D.E.
D.S.E.
EL.
FG
F.H.
FM
GV
INV.
L.E.
L.M.A.E.
L.M.E.
MH
O.S.
P.O.S.
P.S.L.U.E.
PSLUSD
SAN
T.O.P.
U.E.
U.E.-R.A.
WM



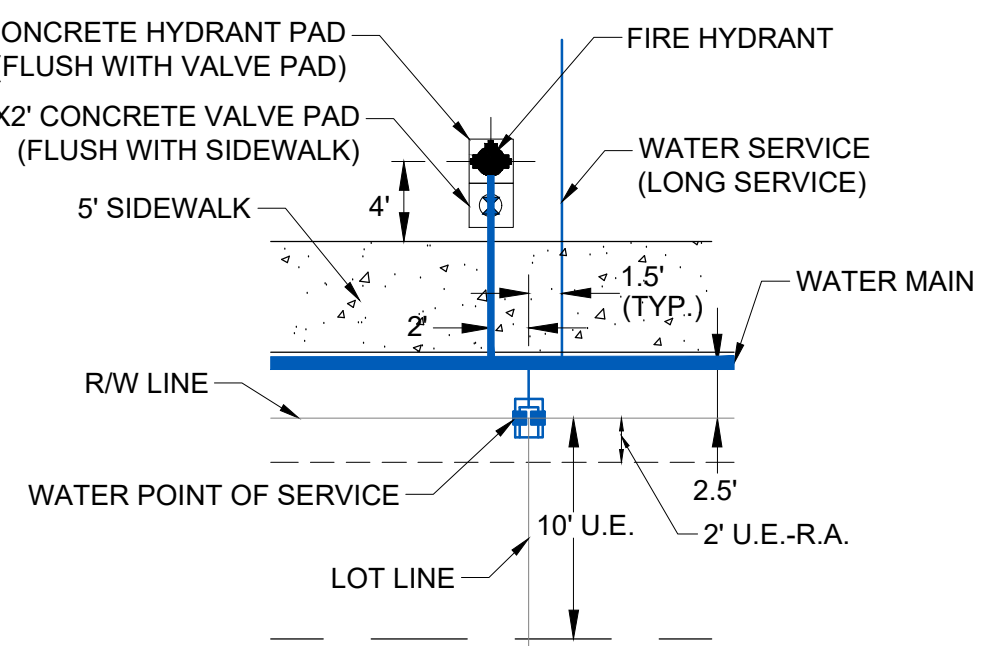
KEY MAP

CITY OF PSL PROJECT NO. P24-075
PSL USD FILE NO. 5268H



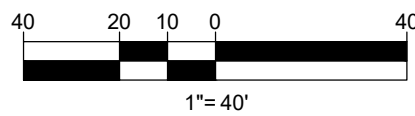
- NOTES:
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT (PSLUSD) UTILITY STANDARDS MANUAL, 2019 EDITION AS WELL AS THE PSLUSD UTILITY STANDARD DETAILS, 2019 EDITION. A COPY OF THE 2019 EDITION OF THE PSLUSD UTILITY STANDARDS MANUAL AND UTILITY STANDARD DETAILS SHALL BE AVAILABLE ON-SITE AT ALL TIMES UTILITY RELATED WORK IS BEING PERFORMED.
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 4. ELEVATIONS - ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
 5. ALL WATER AND WASTEWATER PRESSURE MAINS SHALL BE PVC, C-900, DR18 (PRESSURE CLASS 235).
 6. ALL GRAVITY SEWER PIPE, FITTINGS AND SERVICE LINES SHALL BE PVC, SDR 26 AND, AS A MINIMUM, CONFORM TO ASTM D-3034. FOR DEPTHS GREATER THAN 15', THE PIPE, JOINTS AND FITTINGS SHALL MEET THE SPECIFICATIONS FOR PRESSURE MAINS.
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 12. WATER METERS SHALL NOT BE LOCATED WITHIN 10' OF WASTEWATER AND RECLAIMED WATER SERVICE LINES (PSLUSD 2019 USM, PAGE 21 LINES 17-18).

RECORD DRAWING VALVE CHART											
PLAN ID	SIZE (IN.)	FLUID	TYPE	MANUFACTURER	MODEL	DATE SET	No. OF TURNS	COVER	T/P	GROUND	PLSUDD#
GV-14	6"	POTABLE (FH)	GATE VALVE	MUELLER							
GV-15	8"	POTABLE	GATE VALVE	MUELLER							
GV-16	8"	POTABLE	GATE VALVE	MUELLER							
GV-17	6"	POTABLE (FH)	GATE VALVE	MUELLER							



TYPICAL FIRE HYDRANT AND WATER SERVICE DETAIL

[illegible]



LEGEND

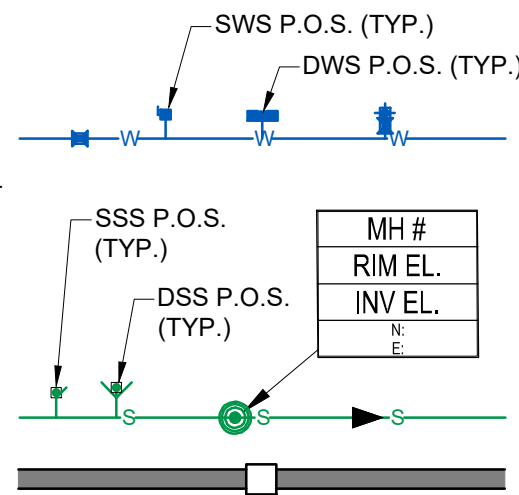
WATER MAIN WITH VALVE,
SINGLE WATER SERVICE, DOUBLE
WATER SERVICE AND FIRE HYDRANT

SANITARY SEWER MAIN WITH
SINGLE SEWER SERVICE, DOUBLE
WATER SERVICE, MANHOLE,
CALLOUT AND FLOW DIRECTION

STORM SEWER WITH CATCH BASIN

BACTERIOLOGICAL SAMPLE POINT

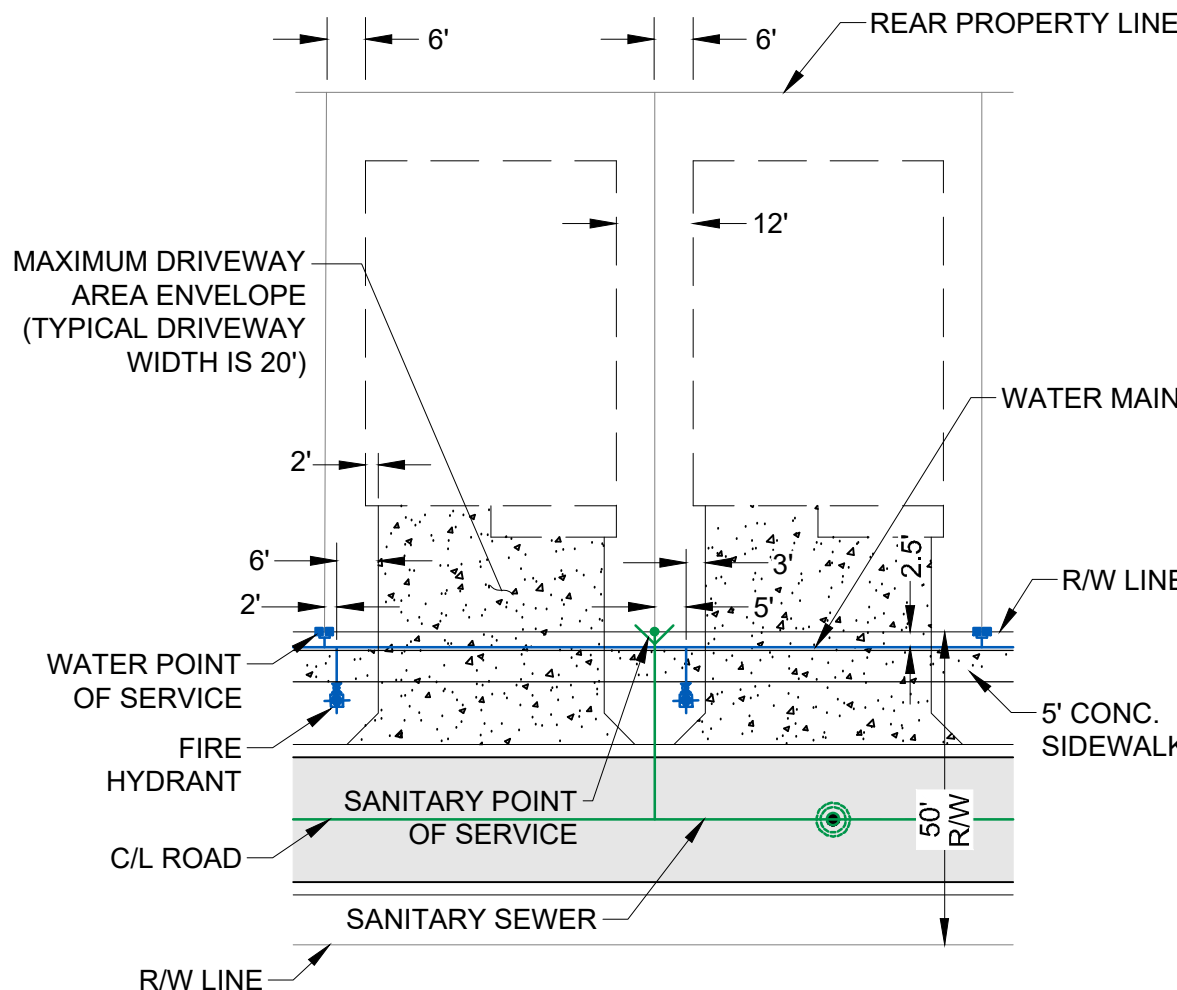
STREET LIGHTS



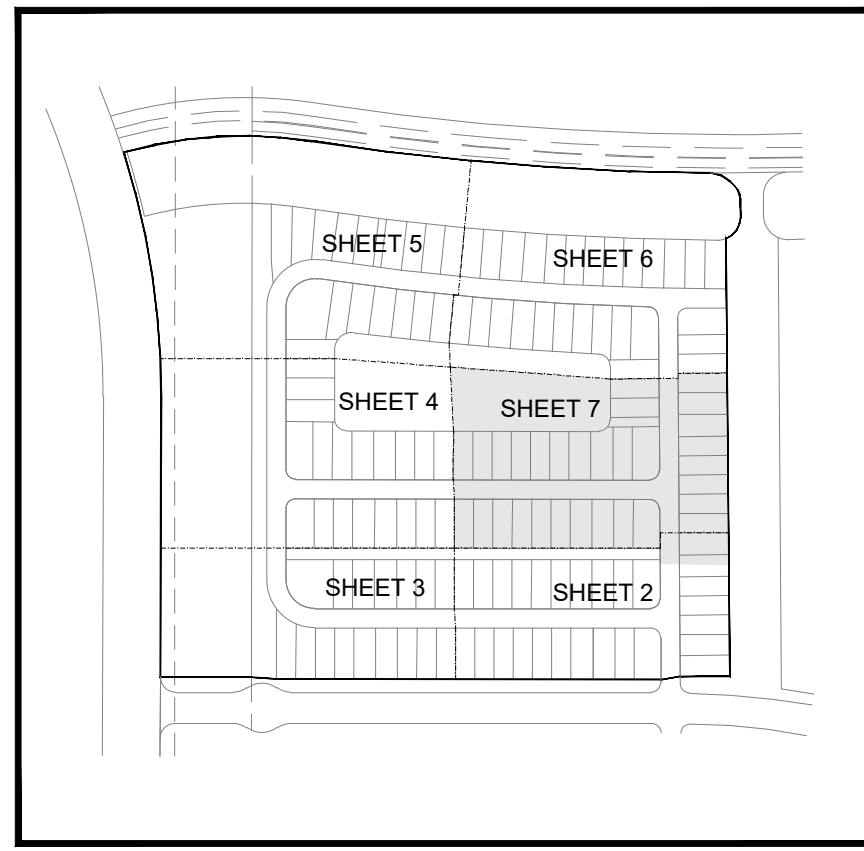
LOT NUMBER

BUFFER EASEMENT
DRAINAGE EASEMENT
DRAINAGE SWALE EASEMENT
ELEVATION
FINISHED GRADE
FIRE HYDRANT
FORCE MAIN
GATE VALVE
INVERT
LANDSCAPE EASEMENT
LAKE MAINTENANCE ACCESS EASEMENT
LAKE MAINTENANCE EASEMENT
MANHOLE
OPEN SPACE
POINT OF SERVICE
CITY OF PORT ST. LUCIE UTILITY EASEMENT
CITY OF PORT ST. LUCIE UTILITY
SYSTEMS DEPARTMENT
SANITARY SEWER
TOP OF PIPE
UTILITY EASEMENT - RESTRICTED AREA
(SEE "U.E." PLAT DEDICATION)
WATER MAIN

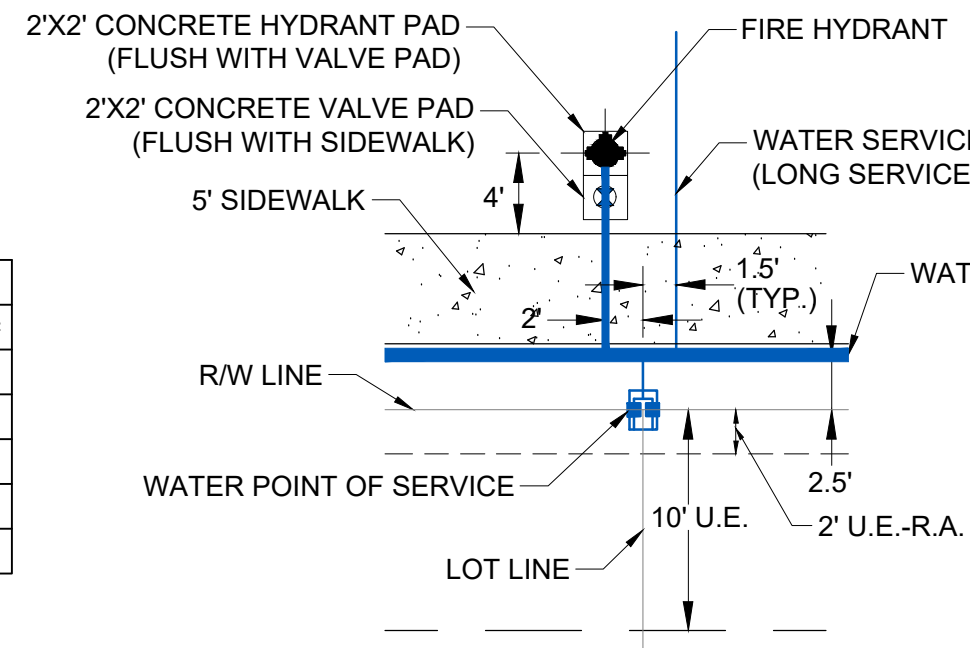
B.E.
D.E.
D.S.E.
EL.
FG
F.H.
FM
GV
INV.
L.E.
L.M.A.E.
L.M.E.
MH
O.S.
P.O.S.
P.S.L.U.E.
SAN
T.O.P.
U.E.
U.E.-R.A.
WM



TYPICAL SINGLE FAMILY LOT DETAIL
N.T.S.

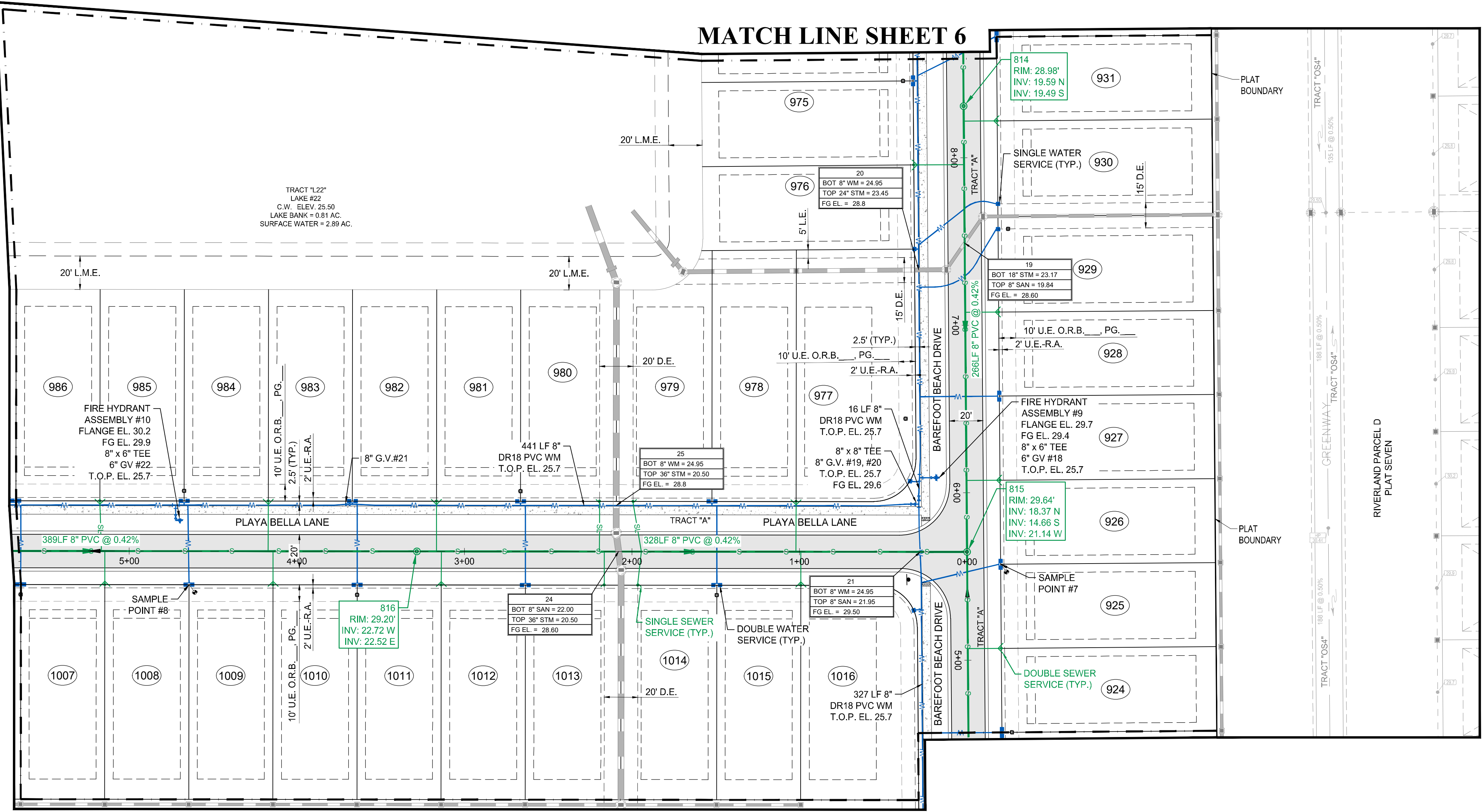


KEY MAP
N.T.S.



TYPICAL FIRE HYDRANT AND
WATER SERVICE DETAIL
N.T.S.

MATCH LINE SHEET 6



MATCH LINE SHEET 2

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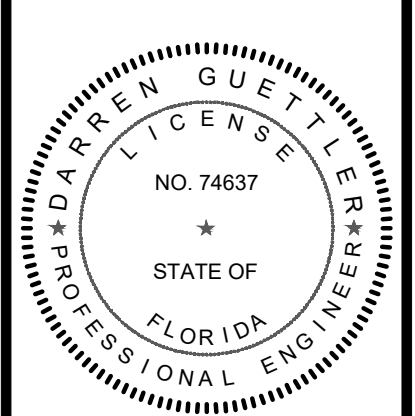
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PLAN ID	SIZE (IN.)	FLUID	TYPE	MANUFACTURER	MODEL	DATE SET	No. OF TURNS	COVER	T/P	GROUND	PSLUSD#
GV-18	6"	POTABLE (FH)	GATE VALVE	MUELLER							
GV-19	8"	POTABLE	GATE VALVE	MUELLER							
GV-20	8"	POTABLE	GATE VALVE	MUELLER							
GV-21	8"	POTABLE	GATE VALVE	MUELLER							
GV-22	6"	POTABLE (FH)	GATE VALVE	MUELLER							



REVISIONS:		COMMENT:
BY:	DATE:	
SG	06-02-24	SPRG COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE,
FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV
LLLP



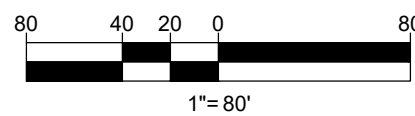
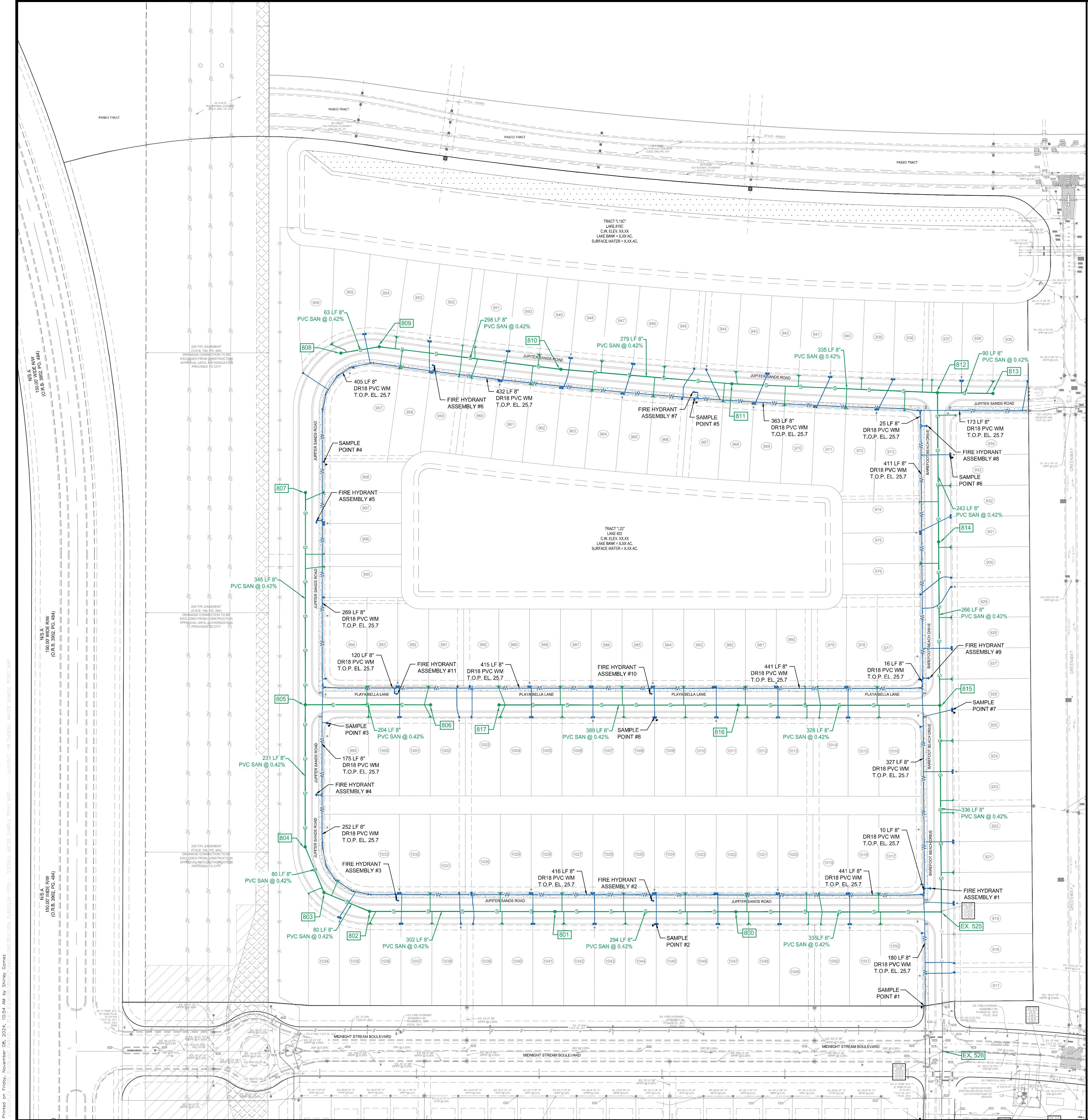
DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
11/8/24

PROJECT No.: 24-1009
DRAWN BY: SOG
CHECKED BY: DG
DATE: 04/18/2024
CAD ID.: 24-1009 - WS PLAN

SHEET TITLE: WATER AND SEWER PLAN

SHEET NUMBER: 07

CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H



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PRESSURE PIPE CHART			
SIZE	LENGTH	MATERIAL	FLUID
8"	4,871'	DR18 PVC	POTABLE
8"	4,498	PVC	WASTEWATER

SAMPLE POINT DISTANCE CHART	
SAMPLE POINT #1- SAMPLE POINT #2	617'
SAMPLE POINT #2- SAMPLE POINT #3	790'
SAMPLE POINT #3- SAMPLE POINT #4	425'
SAMPLE POINT #4- SAMPLE POINT #5	735'
SAMPLE POINT #5- SAMPLE POINT #6	440'
SAMPLE POINT #6- SAMPLE POINT #7	426'
SAMPLE POINT #7- SAMPLE POINT #1	471'
SAMPLE POINT #7- SAMPLE POINT #8	483'
SAMPLE POINT #8- SAMPLE POINT #3	597'

ENGINEERING & SURVEYING, LLC
1449 NW COMMERCIAL CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 878-9477
FBIE C.O.A. # 32222

REVISIONS:

BY:	DATE:	COMMENT:
SG	06-02-24	SPRC COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE, FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV
LLLP

DARREN GUETTLER, PE
FLORIDA LICENSE NO. 74637
11/8/24

PROJECT NO.: 24-1009
DRAWN BY: SCG
CHECKED BY: DG
DATE: 04/18/2024
CAD: ID4-1009 - OVERALL WATER SAMPLE POINT MAP

SHEET TITLE: OVERALL WATER SAMPLE POINT MAP

SHEET NUMBER: 08

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CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H



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PORT ST. LUCIE, FL 34986
PHONE: (772) 879-0477
FBPE C.O.A. # 32222

CLIENT:
RIVERLAND
ASSOCIATES IV
LLLP



SHEET TITLE:

PROFILES

1000

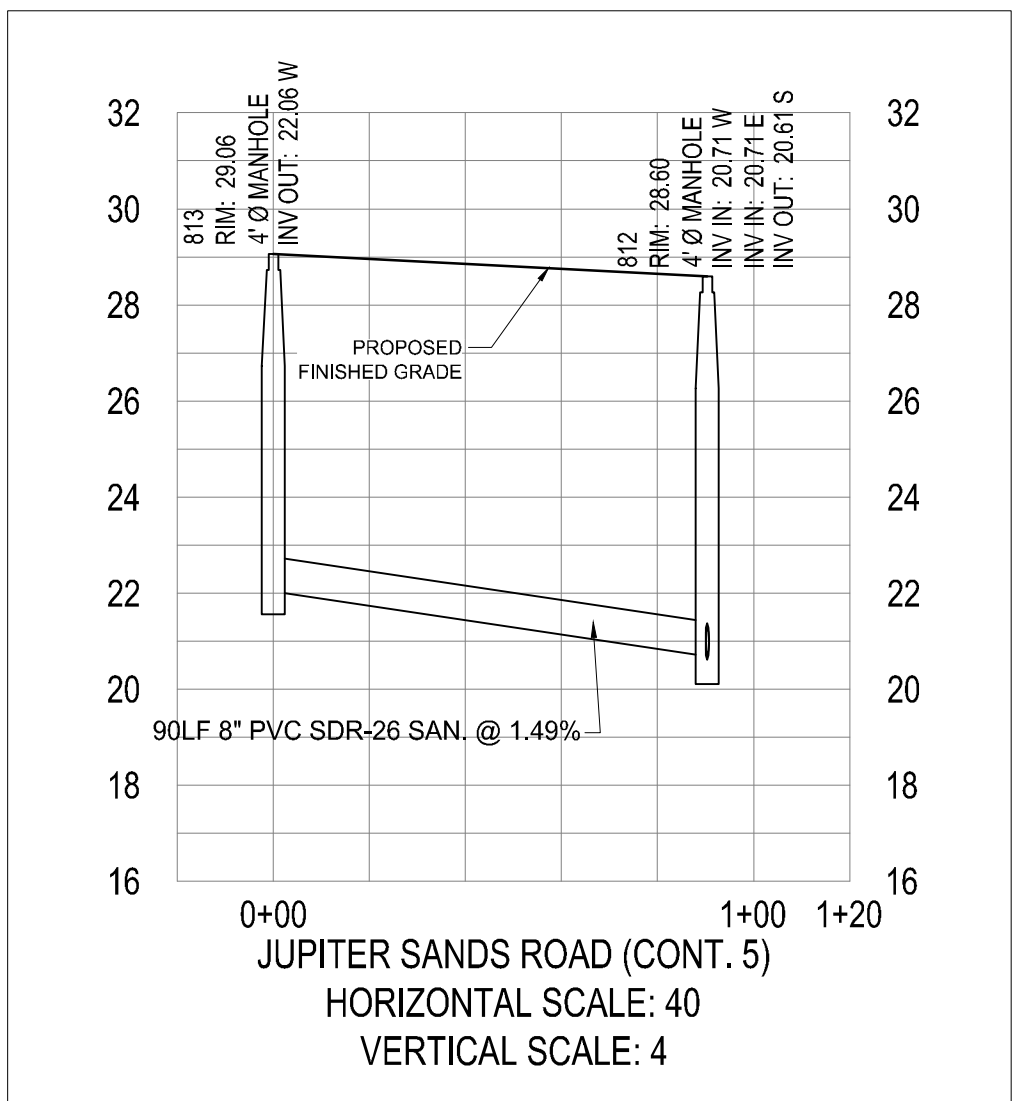
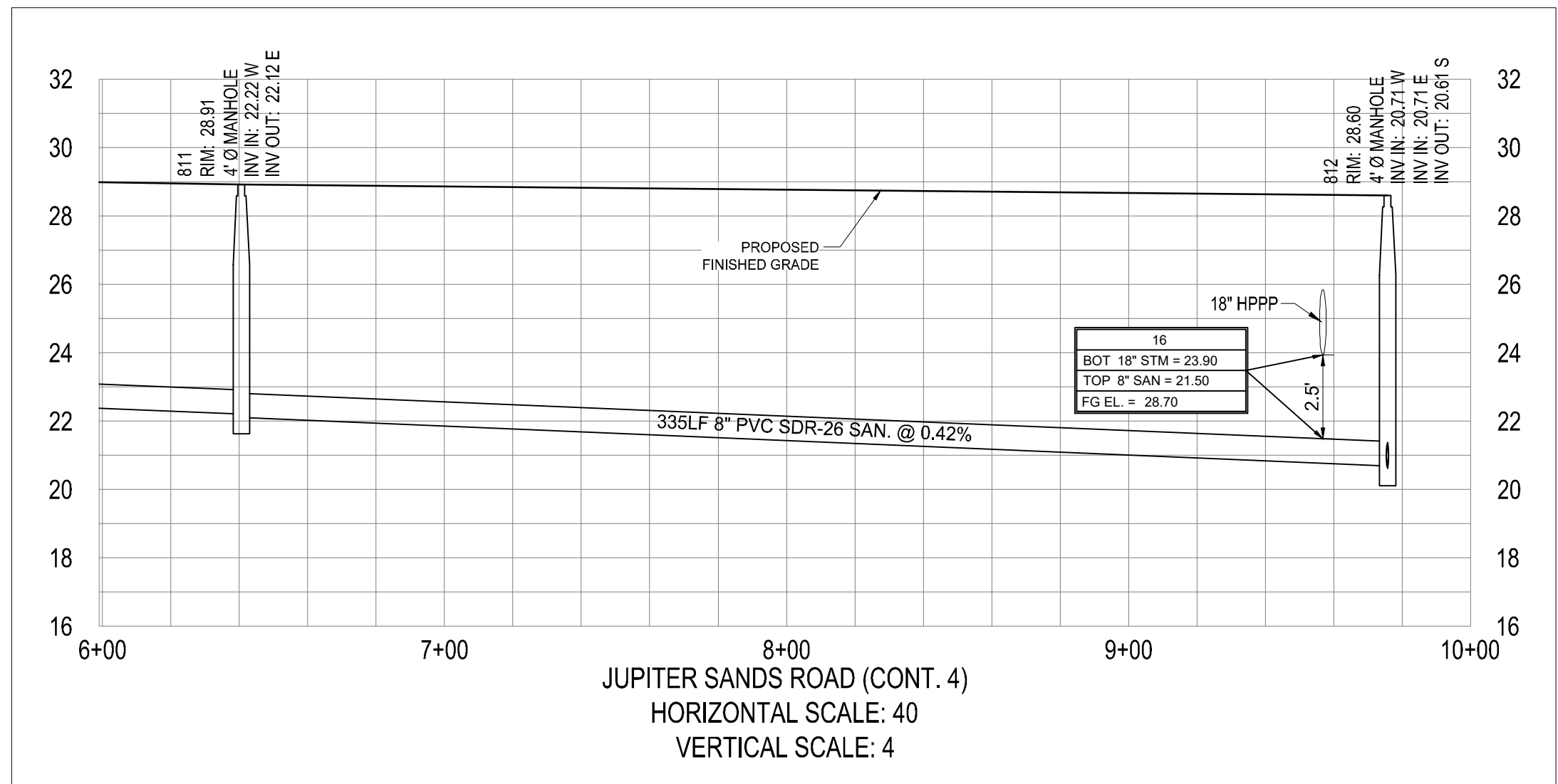
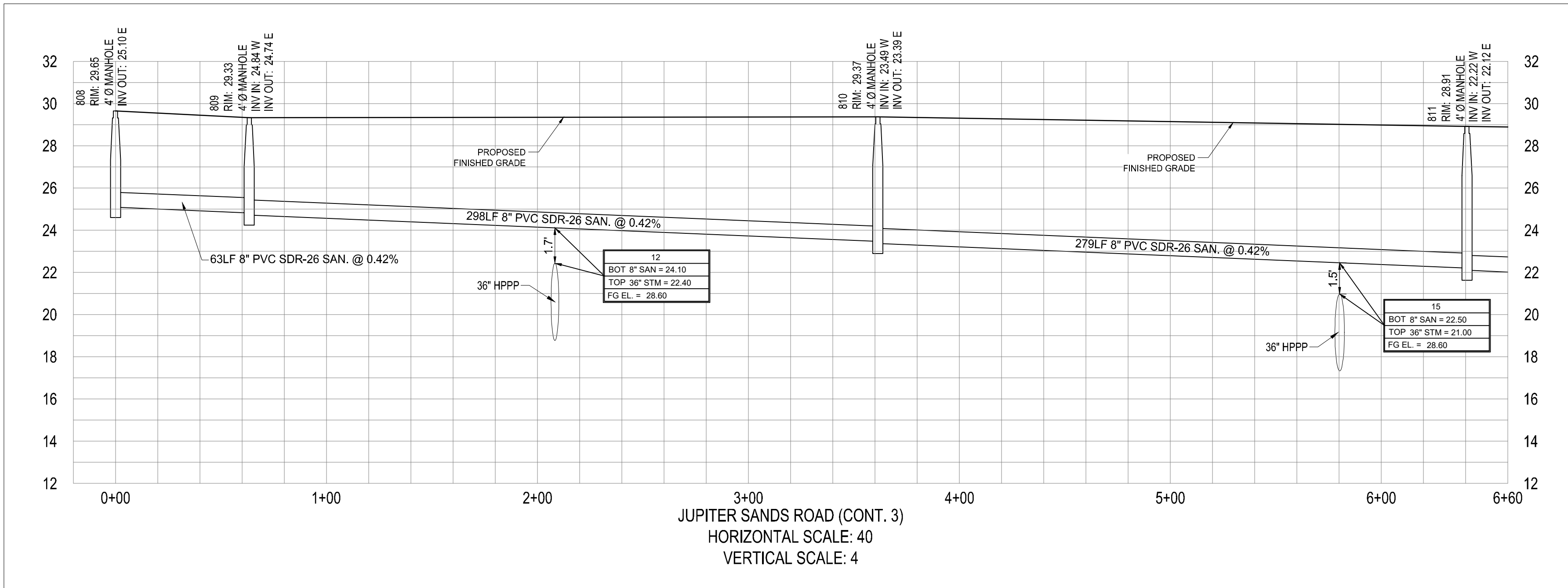
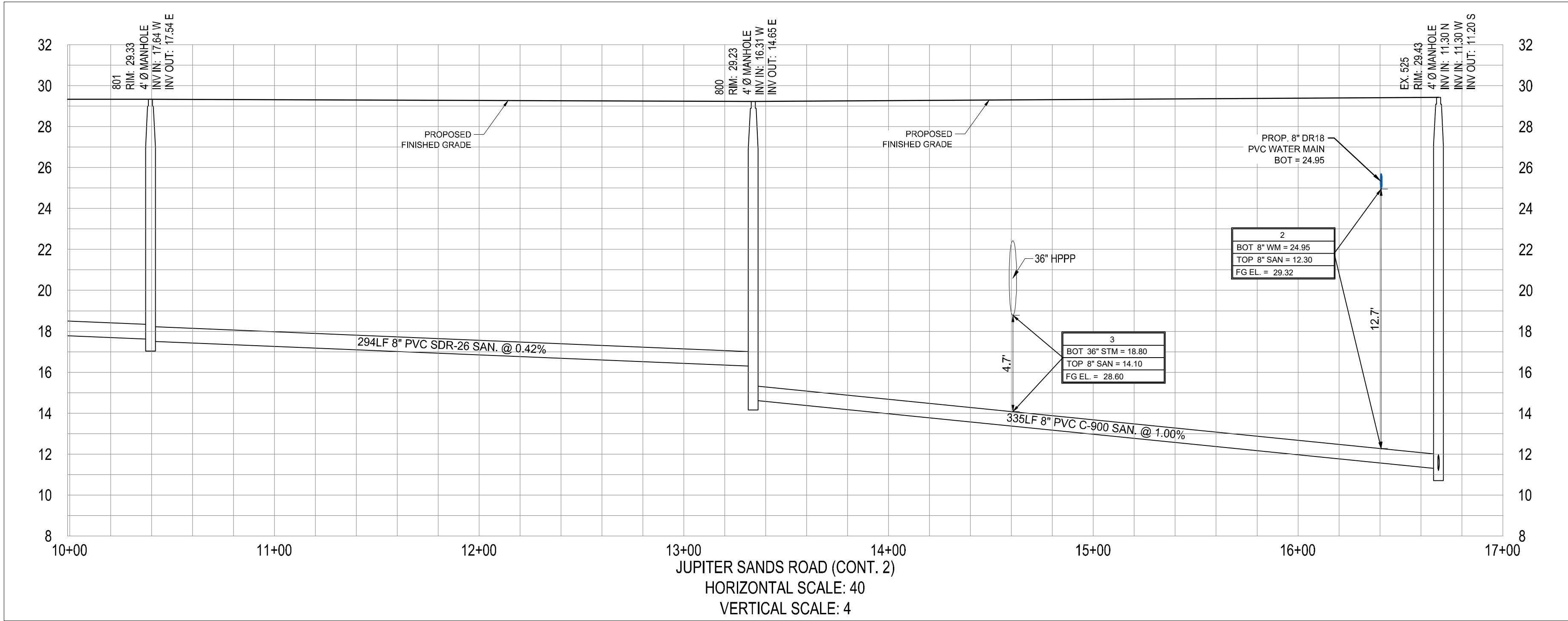
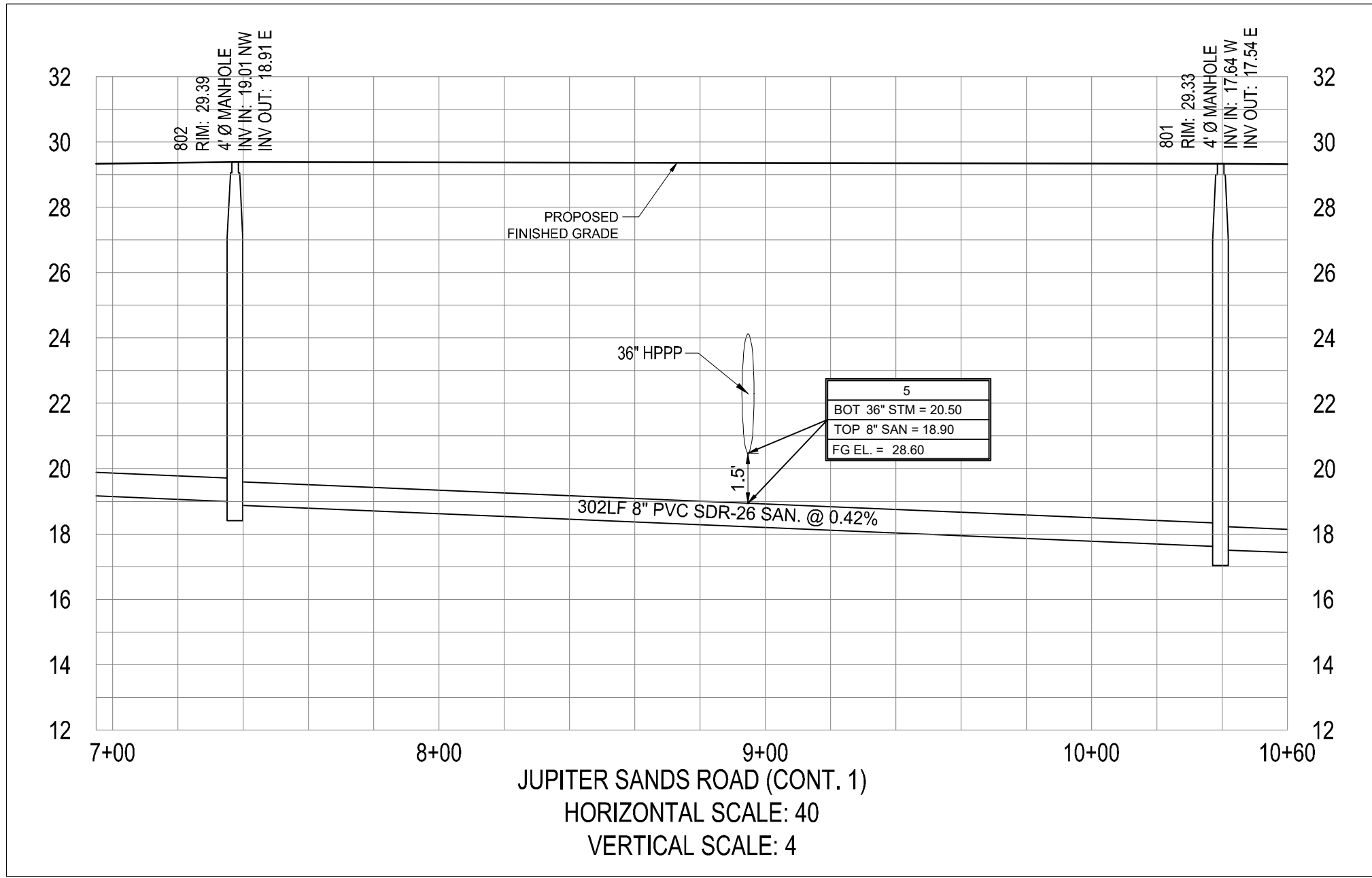
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ITY OF BSL PROJECT NO. B24.035

PSLUSD FILE NO. 5268H



ENGINEERING & SURVEYING, LLC.
1449 NW COMMERCIAL CENTRE DR
PORT ST. LUCIE, FL 34986
PHONE: (772) 879-5477
FBIE C.O.A. # 3222

REVISIONS:		COMMENT:
BY:	DATE:	
SG	06-02-24	SPRG COMMENTS AND COMMENTS

PROJECT: RIVERLAND PARCEL D
PLAT 8
CITY OF PORT ST. LUCIE, FLORIDA

CLIENT: RIVERLAND ASSOCIATES IV LLLP

DARREN GUETTLER, PE
FLORIDA LICENSE No. 74637
11/8/24

PROJECT No.: 24-1009
DRAWN BY: SOG
CHECKED BY: DG
DATE: 04/18/2024
CAD I.D.: 24-1009 - PROFILES

SHEET TITLE: PROFILES

SHEET NUMBER: 10

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CITY OF PSL PROJECT NO. P24-075
PSLUSD FILE NO. 5268H