



BOHLER ENGINEERING
 CIVIL AND CONSTRUCTION ENGINEERING ARCHITECTURE
 LAND SURVEYING DESIGN CONSULTATION SERVICES
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PHILADELPHIA, PA
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REV	DATE	COMMENT	BY
2	2017-07-11	PER COUNTY SURVING & FOOT COMMENTS	JDP
3	2017-10-13	PER COUNTY COMMENTS	JDP
4	2017-10-27	PER FOOT COMMENTS	JDP
5	2017-11-30	PER COUNTY UTILITY COMMENTS	JDP
6	2018-01-02	PER COUNTY & FOOT COMMENTS	JDP
7	2018-01-25	PER FOOT COMMENTS	JDP
8	2018-02-06	PER FOOT COMMENTS	JDP
9	2018-04-05	HYDRANT PER FIRE MARSHAL	JDP
10	2018-09-07	WAWA BID SET	JDP
11	2018-10-03	PER ROW COMMENTS	SKK

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PERMIT SET

PROJECT No. FLT160078
 DRAWN BY: JDP
 CHECKED BY: KSM
 DATE: 11/02/2018
 SCALE: 1" = 30'
 CAD ID: GPO

WAWA SR 52 & LITTLE RD
 FOR **RMC PROPERTY GROUP**

LOCATION OF SITE
 9021 STATE ROAD 52
 HUDSON, FLORIDA 34669
 PASCO COUNTY

BOHLER ENGINEERING
 3820 NORTDALE BLVD, SUITE 3008
 TAMPA, FLORIDA 33624
 Phone: (813) 912-4100
 Fax: (813) 912-4101
 FLORIDA BUSINESS CERT. OF AUTH. NO. 3793
 LICENSE NO. 16007-00000000000000000000

STORM DRAINAGE NOTES:

- GENERAL:
 - DISTANCES AND LENGTHS OF PIPE SHOWN ON PLANS ARE REFERENCED TO THE CENTER OF STRUCTURES.
- MATERIALS:
 - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION. RUBBER GASKETS OR OTHER MANUFACTURER SUPPLIED JOINT SEALER SHALL BE USED.
 - ALL PVC DRAINAGE PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 35, WITH PUSH-ON RUBBER GASKET JOINTS.
 - ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM M-294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING.
 - PROPOSED "GRATE INLETS" SHALL BE STANDARD "FDOT DITCH BOTTOM INLETS, PER FDOT INDEX #232, UNLESS OTHERWISE NOTED.
- INSTALLATION:
 - PIPE SHALL BE PLACED ON A MINIMUM OF 8 INCHES STABLE GRANULAR MATERIAL, FREE OF ROCK FORMATION AND OTHER FOREIGN FORMATIONS, AND CONSTRUCTED TO A UNIFORM GRADE AND LINE.
 - BACKFILL MATERIAL SHALL BE WELL GRADED GRANULAR MATERIAL, WELL TAMPED IN LAYERS NOT TO EXCEED 6 INCHES TO A HEIGHT OF 12 INCHES ABOVE PIPE AS SHOWN ON THE PLANS.
 - PROVIDE A MINIMUM PROTECTIVE COVER OF 18 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.

FEMA MAP INFORMATION:

THE PROPERTY SHOWN HEREON APPEARS TO LIE IN FLOOD ZONE "X" ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 121000013F, EFFECTIVE SEPTEMBER 26, 2014, FOR PASCO COUNTY, FLORIDA.

DATUM NOTE:

CONTROL BENCHMARKS ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988). US NATIONAL GEODETIC SURVEY MARK SYSTEM, FLANGE ENCASED, STAMPED "8808" LOCATED IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF STATE ROAD 52 AND STATE ROAD. ELEVATION = 14.77'

TBM #1: IRON ROD IN PARKING STALL, ELEVATION = 18.84' (NAVD 1988)

TBM #2: IRON ROD IN "TRAVEL STOP" NEAR NORTHWEST CORNER OF PROPERTY, ELEVATION = 18.84' (NAVD 1988)

DEWATERING NOTE:

CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO THE DISTRICT 14 DAYS PRIOR TO COMMENCEMENT. SUBJECT PLANS SHALL BE REVISED AS NECESSARY.

STORM CLEANOUT SCHEDULE:

C.O.-1 RIM ELEV = AT GRADE I.E. = 17.78	C.O.-2 RIM ELEV = AT GRADE I.E. = 16.78	C.O.-3 RIM ELEV = AT GRADE I.E. = 15.95
C.O.-4 RIM ELEV = AT GRADE I.E. = 16.25	C.O.-5 RIM ELEV = AT GRADE I.E. = 17.24	C.O.-6 RIM ELEV = AT GRADE I.E. = 16.85
C.O.-7 RIM ELEV = AT GRADE I.E. = 16.33	C.O.-8 RIM ELEV = AT GRADE I.E. = 15.89	

ROOF DRAIN SCHEDULE:

PIPE No.	SIZE (IN)	TYPE	LENGTH (FT)	SLOPE (%)
RL-1	8"	PVC PIPE	100	1.00
RL-2	12"	PVC PIPE	83	1.00
RL-3	8"	PVC PIPE	30	1.00
RL-4	12"	PVC PIPE	100	1.00
RL-5	8"	PVC PIPE	49	1.00
RL-6	8"	PVC PIPE	10	1.00
RL-7	8"	PVC PIPE	45	1.00
RL-8	8"	PVC PIPE	103	1.00
RL-9	8"	PVC PIPE	23	1.00

LEGEND:

- EXIST. PROPERTY LINE
- PROP. BUILDING
- PROP. CONCRETE SIDEWALK
- PROP. 6" CONCRETE PAVEMENT
- PROP. 8" CONCRETE PAVEMENT
- PROP. DRAINAGE ARROW
- PROP. RIDGE LINE
- PROP. STORM STRUCTURES
- PROP. STORM SEWER PIPE

10/5/2018

SHEET TITLE:
DRAINAGE PLAN

SHEET NUMBER:
C-8