



STRUCTURE I.D.	RIM ELEVATION	NEENAH CASTING DESIGNATION	INFLOW INFL. SIZE, (DIRECTION), [UP STR.]	OUTFLOW OUTFLOW, (DIRECTION), [DOWN STR.]	DESCRIPTION & NOTES
604	766.78	R-3472	INV.763.00 6" HDPE (SW)[1]	INV.762.95 12" RCP (E)[603]	TYPE 'A' CATCH BASIN
603	765.85	R-3472	INV.762.40 12" RCP (W)[604] INV.763.00 6" HDPE (SW)[1]	INV.762.30 15" RCP (SE)[602]	TYPE 'A' CATCH BASIN
602	766.00	R-1772	INV.762.15 15" RCP (NW)[603]	INV.762.05 15" RCP (SE)[601]	AQUASWIRL XC-4
601	763.94	???	INV.762.00 15" RCP (NW)[602]		15" End Section

UPSTREAM STRUCTURE I.D.	DOWNSTREAM STRUCTURE I.D.	LENGTH OF PIPE	PIPE SIZE / TYPE	SLOPE %	UPSTREAM PIPE INV.	DOWNSTREAM PIPE INV.
604	603	164 LF	12" RCP	0.33%	762.95	762.40
603	602	36 LF	15" RCP	0.42%	762.30	762.15
602	601	10 LF	15" RCP	0.49%	762.05	762.00

- KEY NOTES:** XX
- E1 ELECTRIC - SECONDARY POWER FROM EXISTING TRANSFORMER. COORDINATE NEW SERVICE LINE CONDUIT AND CABLE SIZES WITH M.E.P. PLANS AND POWER UTILITY COMPANY.
 - E2 ELECTRIC - EXISTING TRANSFORMER. COORDINATE POWER DISTRIBUTION TO SITE WITH M.E.P., SITE ELECTRICAL PLAN AND POWER COMPANY.
 - E3 ELECTRIC - SITE LIGHTING POLE. REF. SITE LIGHTING PLAN. COORDINATE POWER DISTRIBUTION ON SITE WITH M.E.P. / SITE ELECTRICAL PLAN.
 - G1 GAS - GAS SERVICE LINE. COORDINATE SIZE & LOCATION WITH M.E.P. PLANS AND GAS COMPANY.
 - G2 GAS - GAS METER, COORD WITH M.E.P. PLANS & GAS COMPANY.
 - SS1 SANITARY - 6 INCH DIAMETER SDR 26 PVC LATERAL @ 2.08% MINIMUM. LATERAL INSTALLATION SHALL INCLUDE FULL DEPTH GRANULAR BACKFILL WHERE LOCATED UNDER PAVED AREAS AND SHALL HAVE TRACER WIRE INSTALLED FROM THE BUILDING CLEANOUT TO THE MAIN CONNECTION IN ACCORDANCE WITH PLAINFIELD PUBLIC WORKS SANITARY STANDARDS.
 - SS2 SANITARY - BUILDING CLEANOUT PER PLAINFIELD PUBLIC WORKS SANITARY STANDARDS, SEE PLAN FOR INVERTS. CLEANOUT SHALL BE LOCATED WITHIN 36 INCHES OF BUILDING FACE.
 - SS3 SANITARY - CLEANOUT PER PLAINFIELD PUBLIC WORKS SANITARY STANDARDS. SEE PLAN FOR INVERTS, CASTING TYPES AND COLLARS AS REQUIRED PER GRADE TYPE AND PER PLAINFIELD PUBLIC WORKS SANITARY STANDARDS.
 - SS4 SANITARY - LATERAL BENDS AS REQUIRED PER PLAINFIELD PUBLIC WORKS SANITARY STANDARDS. SEE PLANS FOR BEND ANGLE.
 - SS5 SANITARY - CONNECT LATERAL TO PROPOSED SANITARY MAIN WITH MANUFACTURED WYE. PER PLAINFIELD PUBLIC WORKS SANITARY STANDARDS. CONTRACTOR SHALL COORDINATE LATERAL CONNECTION LOCATION AND INVERT WITH PLAINFIELD PUBLIC WORKS PRIOR TO CONSTRUCTION.
 - SS6 SANITARY - EXISTING SANITARY SEWER STRUCTURES, MAIN, AND LATERAL TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
 - 6XX STORM - PROPOSED STRUCTURE. REFERENCE STORM STRUCTURE TABLE.
 - RD1 ROOF DRAINS - BUILDING CONNECTION AND CLEANOUT. REFERENCE M.E.P. PLANS FOR EXACT SIZE AND LOCATION OF ROOF DRAIN DOWNSPOUT. CLEANOUT TO BE LOCATED APPROX. ## FEET FROM THE BUILDING. SEE ROOF DRAIN / DOWNSPOUT DETAILS FOR FURTHER INFORMATION.
 - RD2 ROOF DRAINS - BUILDING CONNECTION WITH DOWNSPOUT SHOW WITH BUILT IN CLEANOUT. APPROVED MANUFACTURER AND TYPE, NEENAH R-4929 WITH BRASS CLEANOUT (OR APPROVED OTHER). REFERENCE M.E.P. PLANS FOR EXACT SIZE AND LOCATION OF ROOF DRAIN DOWNSPOUTS. SEE ROOF DRAIN / DOWNSPOUT DETAILS FOR FURTHER INFORMATION.
 - RD3 ROOF DRAIN - APPROXIMATELY ## LINEAR FEET OF ROOF DRAIN PIPING WITH DOWNSPOUT BOOT CONNECTION. ROOF DRAIN SHALL BE HDPE AND MATCH DOWNSPOUT DIMENSIONS (6 INCH MIN. DIAMETER).
 - RD4 ROOF DRAINS - 8 INCH DIAMETER HDPE N-12 ROOF DRAIN COLLECTOR PIPE AT 1.00% MINIMUM SLOPE. SEE PLANS FOR LENGTH. CONNECT TO DOWNSTEAM DRAINAGE STRUCTURE AS ILLUSTRATED.
 - UD1 ROOF DRAIN - CONNECTION TO STORM SEWER STRUCTURE (INVERT OF ROOF DRAIN CONNECTION SHALL BE 6 INCHES MINIMUM ABOVE INVERT OF STRUCTURE'S OUTLET PIPE).
 - UD2 ROOF DRAIN - ROOF DRAIN CLEANOUT ON ENDS OF COLLECTOR PIPE.
 - UD1 UNDERDRAIN - 10 LINEAR FEET OF 6 INCH DIAMETER PERFORATED HDPE UNDERDRAIN AT 1.00% MINIMUM SLOPE TOWARDS INLET. UNDERDRAINS TO CONNECT INTO STORM STRUCTURE AT LEAST 6 INCHES ABOVE THE OUTLET PIPE INVERT.
 - UD2 UNDERDRAIN - 6" PERFORATED HDPE UNDERDRAIN AT 1.0% MINIMUM SLOPE ALONG POND BOTTOM PER TOWN OF PLAINFIELD STANDARD DETAILS FOR SWALE/POND BOTTOM.
 - W1 WATER - PROPOSED 1.5 INCH TAP, CORP STOP, VALVE & BOX ON EXISTING 12 INCH WATER MAIN. COORDINATE TAP WITH PLAINFIELD PUBLIC WORKS (WATER COMPANY).
 - W2 WATER - PROPOSED 1.5 INCH DIAMETER DR9 POLY PIPE FOR DOMESTIC WATER SERVICE LINE AND 1" INCH METER AND PIT PER PLAINFIELD PUBLIC WORKS STANDARD DETAILS.
 - W3 WATER - EXISTING WATER MAIN TO REMAIN. FIELD LOCATE EXACT LOCATION PRIOR TO CONSTRUCTION. PROTECT THROUGHOUT CONSTRUCTION.
 - W4 WATER - EXISTING FIRE HYDRANT TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
 - UX UTILITY CROSSING, APPROXIMATE LOCATION SHOWN. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN AREA OF WORK PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ANY POTENTIAL CONFLICTS FOUND.
 - UX CONCRETE GRADLE REQUIRED FOR UTILITY CROSSING.
- NOTES:**
- UTILITY CROSSINGS UNDER EXISTING PAVEMENT SHALL BE DIRECTIONAL BORED OR JACK & BORED. OPEN CUTS SHALL BE AVOIDED.
 - ALL NEW STORM STRUCTURES WITH OPEN GRATES WITHIN PAVED AREAS SHALL HAVE CONCRETE COLLARS. REFERENCE DETAILS.
 - ALL PROPOSED END SECTIONS SHALL HAVE TOE ANCHORS AND ANIMAL GUARDS INSTALLED.
 - CONTRACTOR TO VERIFY ROOF DRAIN / DOWNSPOUT LOCATIONS PER ARCH. / M.E.P. PLANS AND ADJUST ROOFRAIN CONNECTIONS AND HEADER / COLLECTOR PIPES ACCORDINGLY. ALL ROOF DRAINS TO BE CAPTURED AND DRAIN INTO THE PROPOSED STORM SEWER SYSTEM AND ROUTED THROUGH WATER QUALITY UNIT / DETENTION FACILITY.
 - SANITARY LATERALS SHALL MAINTAIN 4 FEET OF COVER.
 - WHERE SANITARY SEWER / LATERAL RUNS UNDER OR WITHIN 5 FEET OF HARDSCAPES (PAVEMENT SURFACES), SEWER PIPING MUST BE BACKFILLED WITH GRANULAR MATERIAL. SEE CORRESPONDING SANITARY COMPANY STANDARDS, SPECIFICATIONS AND DETAILS.
 - TEN (10) GAUGE TRACER WIRE PLACED ON TOP OF SEWER PIPING OR LATERALS FROM THE BUILDING CLEANOUT TO THE DOWNSTREAM CONNECTION POINT REQUIRED FOR ENTIRE LENGTH OF SEWER PIPING / LATERALS. SEE DETAILS.
 - SEE SANITARY, STORM AND UTILITY NOTES FOR ADDITIONAL INFORMATION.
 - SEE STORM AND SANITARY SEWER STRUCTURE AND PIPE TABLES FOR SEWER STRUCTURE INFORMATION, INVERTS, RIM / CASTING ELEVATIONS, AND PIPE MATERIALS, SIZES AND LENGTHS.
 - ALL WATERLINES SHALL MAINTAIN A MINIMUM OF 54 INCHES OF COVER.
 - CONTRACTOR TO COORDINATE ALL WATERLINE CONNECTIONS, PIPE TYPE AND DIAMETERS, APPURTENANCES, ETC. WITH M.E.P. / ARCHITECTURAL PLANS, GOVERNING WATER UTILITY COMPANY, AND LOCAL FIRE DEPARTMENT (REGARDING FIRE WATERLINES AND APPURTENANCES).
 - SANITARY SEWERS AND / OR LATERALS, ALL WATERLINES, AND STORM SEWERS (INCLUDING UNDERDRAINS) SHALL MAINTAIN 10 FEET MINIMUM HORIZONTAL SEPARATION AND 18 INCHES MINIMUM VERTICAL SEPARATION BETWEEN EACH OTHER AS MEASURED FROM EXTERIOR PIPE WALLS.

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REVISIONS AND ISSUES	DATE	BY

GENERAL NOTES / LEGEND:

PROJECT:

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PROJECT LOCATION:
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HENDRICKS COUNTY

SECTION, TOWNSHIP, RANGE:
SE 1/4, S26, T15N, R1E

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metaCRE

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INDIANAPOLIS, INDIANA 46220

PLAN DATE: 1/4/2024

DESIGN: AF CHECK: AF DRAWN: AF

PROJECT NO: 2310004

SHEET NAME: UTILITY & DRAINAGE PLAN

SHEET NO: C401

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