

STRUCTURE LEGEND	
01.	PROPOSED BAR SCREEN BUILDING
02.	EXISTING SCREEN BUILDING (TO BE DEMOLISHED - SEE NOTE 3)
03.	EXISTING LIFT STATION VALVE VAULT (TO REMAIN)
04.	EXISTING FLOW EQ TANK (TO REMAIN)
05.	EXISTING REFORMATORY LIFT STATION (TO REMAIN)
06.	EXISTING SEPTAGE RECEIVING STATION (TO REMAIN)

GENERAL NOTES:

- 1. ALL GRAVITY SEWERS SHALL BE PVC BELL & SPIGOT PER SPEC 02530.
- 2. ALL WATER (W) LINES 2" AND SMALLER SHALL BE HDPE WATER SUPPLY TUBING PER SPEC. 02505.
- BUILDING SEWER (BS) SHALL BE PVC SDR-35 PER SPEC. 02530 OUTSIDE OF BUILDING/STRUCTURE FOOTPRINT. PROVIDE 1% SLOPE MINIMUM FROM BUILDING TO DISCHARGE POINT. REFER TO DIV. 15 SPECS FOR PLUMBING PIPING WITHIN BUILDING FOOTPRINT.
- 4. CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS NEEDED TO COMPLETE WORK PER SPEC 02535.
- 5. CONTRACTOR SHALL CONFIRM CLEARANCES AT ALL PIPE INTERSECTIONS PRIOR TO LINE EXCAVATION.
- 6. ALL MANHOLES THAT ARE NEW OR MODIFIED FOR THIS PROJECT SHALL HAVE INTERIOR COATED PER SPECIFICATION 09800. EXISTING MANHOLE AT NEW FORCEMAIN TIE-IN DOES NOT REQUIRE A LINING SINCE ALREADY LINED.

SHEET KEYNOTES:

- INSTALL NEW MANHOLE ON EXISTING PIPE. ABANDON EXISTING DOWNSTREAM PIPE IN-PLACE AND DIRECT FLOW TO NEW OUTLET WHEN NEW SYSTEM IS READY TO RECEIVE FLOW.
- COORDINATE WITH ELECTRIC UTILITY TO TEMPORARILY SUPPORT POLES AND RELOCATE DOWN GUYS AS NEEDED TO AVOID CONFLICT WITH NEW SEWER. GUYS SHALL NOT BE RELOCATED TO UNDISTURBED EARTH.
- 3. EXISTING BAR SCREEN FACILITY CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EQUIPMENT, SCREEN BUILDING, METALS, ADJACENT PAVEMENT/GRAVEL AREA, CONCRETE PAD, CONCRETE STRUCTURE, ETC. IN THEIR ENTIRETY TO A POINT 2 FEET BELOW EXISTING GRADE PER STATE/FEDERAL REGULATIONS (OWNER SHALL HAVE FIRST RIGHT OF SALVAGE). CONTRACTOR MAY DISPOSE OF DEMOLISHED CONCRETE, GRAVEL/ASPHALT, AND EXCESS CLEAN EARTH ONLY AT THE FCRWD WWTP (WITHIN FORMER SLUDGE LAGOONS) COORDINATE ACCESS AND MANNER OF DISPOSAL WITH OWNER. ALL INLET AND OUTLET PIPES SHALL BE PERMANENTLY PLUGGED/CAPPED AT INSIDE FACE OF STRUCTURE. DEMOLISHED CONCRETE MAY BE PLACED FLAT IN THE SCREEN STRUCTURE BOTTOM UP TO 4 FEET BELOW EXISTING GRADE (12" MAX. SIZE OF PULVERIZED CONCRETE PIECES IF PLACED IN STRUCTURE). BACKFILL SHALL CONSIST OF FLOWABLE FILL OR COMPACTED GRANULAR BACKFILL AT 12" MAX LIFTS, MAKING SURE TO FILL IN ALL VOIDS, UP TO 2 FEET BELOW GRADE WITH REMAINING 2 FEET FILLED WITH CLEAN EARTH, 6" TOPSOIL AND PERMANENT SEEDING. "EXISTING GRADE" SHALL BE REFERENCED FROM EXISTING ASPHALT DRIVE IMMEDIATELY ADJACENT TO THE EXISTING BAR SCREEN STRUCTURE. REFER TO SPEC. SECTION 02220 FOR ADDITIONAL REQUIREMENTS.
- REMOVE EXIST. 15" PIPE FROM MANHOLE AND EXTEND NEW 18" PVC PIPE TO NEW MANHOLE. PROVIDE RESILIENT CONNECTOR AND REPAIR MH AND REFORM BENCH AS NEEDED FOR NEW PIPE CONNECTION.
- 5. EXIST. MANHOLE TO BE DEMOLISHED IN ITS ENTIRETY PER KEYNOTE 3 ABOVE. MANHOLE FLOW LINE FILLED WITH CONCRETE AND PLUGGED.
- 6. "XXXXXX" DENOTES EXIST. PIPING TO BE ABANDONED IN PLACE. FLUSH LINE WITH CLEAN WATER FOR COMPLETE VOLUME TURNOVER. PIPE ENDS TO BE PERMANENTLY CAPPED.
- 7. REMOVE EXISTING YARD HYDRANT, CAP & ABANDON EXISTING WATER LINE IN-PLACE.
- 3. CONNECT TO EXISTING 6" SEWER, INSTALL HEAVY DUTY CLEANOUT (CO), AND DIRECT FLOW TO NEW MH-2 AS SHOWN. CAP DOWNSTREAM PIPE TO BE ABANDONED IN PLACE.
- 9. RE-ROUTE EXISTING 10" FORCE MAIN INTO EXISTING MANHOLE USING RESTRAINED JOINT SDR-21 PVC PIPE (FIELD ORDER 2); CORE DRILL & BOOT MANHOLE OPENINGS TO ACCEPT 10" FORCEMAIN AND NEW 24" SEWER PIPE
- 10. TAP EXISTING 12" WATER MAIN WITH 2" S.S.SERVICE SADDLE & CORP STOP. INSTALL CURB STOP & BOX WITHIN 2' OF CONNECTION AND RUN 2" WATER SUPPLY LINE TO BUILDING.
- 11. METERING MANHOLE 12" PARSHALL FLUME SEE DETAIL ON SHEET C-06.
- 12. PROPOSED 1" WATER SUPPLY & YARD HYDRANT. SEE DETAIL ON SHEET C-05.
- 13. PLUG PIPE FROM SOUTHEAST REFORM BENCH AS NEEDED TO PREVENT STAGNANT AREA IN MANHOLE FLOOR.
- 14. EXISTING 12" AND 18" RAW WATER MAINS TO AQUA INDIANA WATER TREATMENT PLANT AND 12" FINISHED WATER MAIN LOWERED 18" USING RESTRAINED JOINT D.I. PIPE TO PROVIDE 18" OF SEPARATION BETWEEN THE WATER MAINS AND NEW SANITARY SEWER.
- 15. POTHOLE EXISTING UG ELECTRIC FEEDS AND COORDINATE WITH DUKE ENERGY TO LOWER ELECTRIC FEEDS AS NECESSARY TO INSTALL NEW SANITARY SEWER. COST FOR RELOCATING UG ELECTRIC FEEDS SHALL BE RESPONSIBILITY OF OWNER.
- 16. EXISTING 12" FINISHED WATER MAIN LOWERED 12" USING RESTRAINED JOINT D.I. PIPE TO PROVIDE 18" OF SEPARATION BETWEEN THE WATER MAIN AND NEW SANITARY SEWER.
- 17. MH-2 TO HAVE FLAT TOP SLAB AND 12" "GOOSENECK" VENT PIPE SEE DETAIL ON SHEET C-06





Indiana Underground Plant Protection Service

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APRIL 2016

SCALE:
AS SHOWN

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