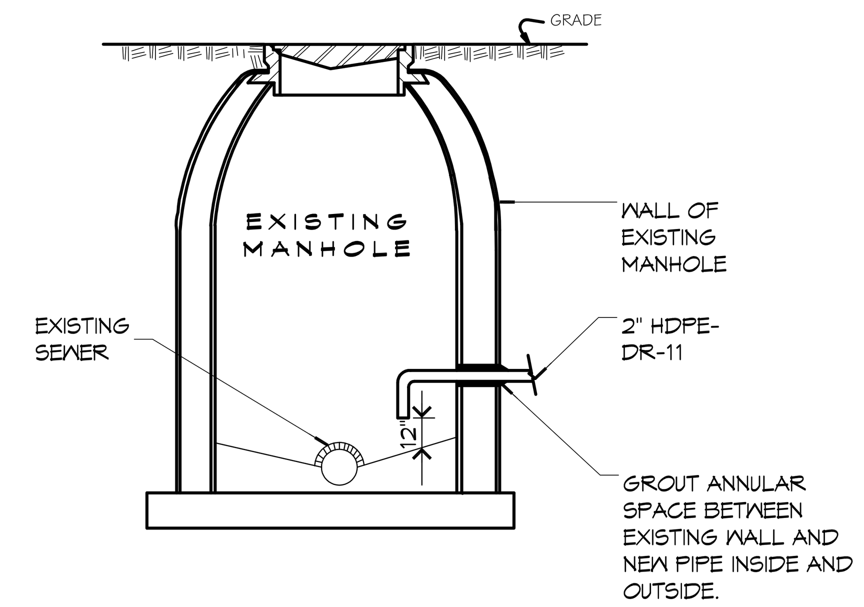
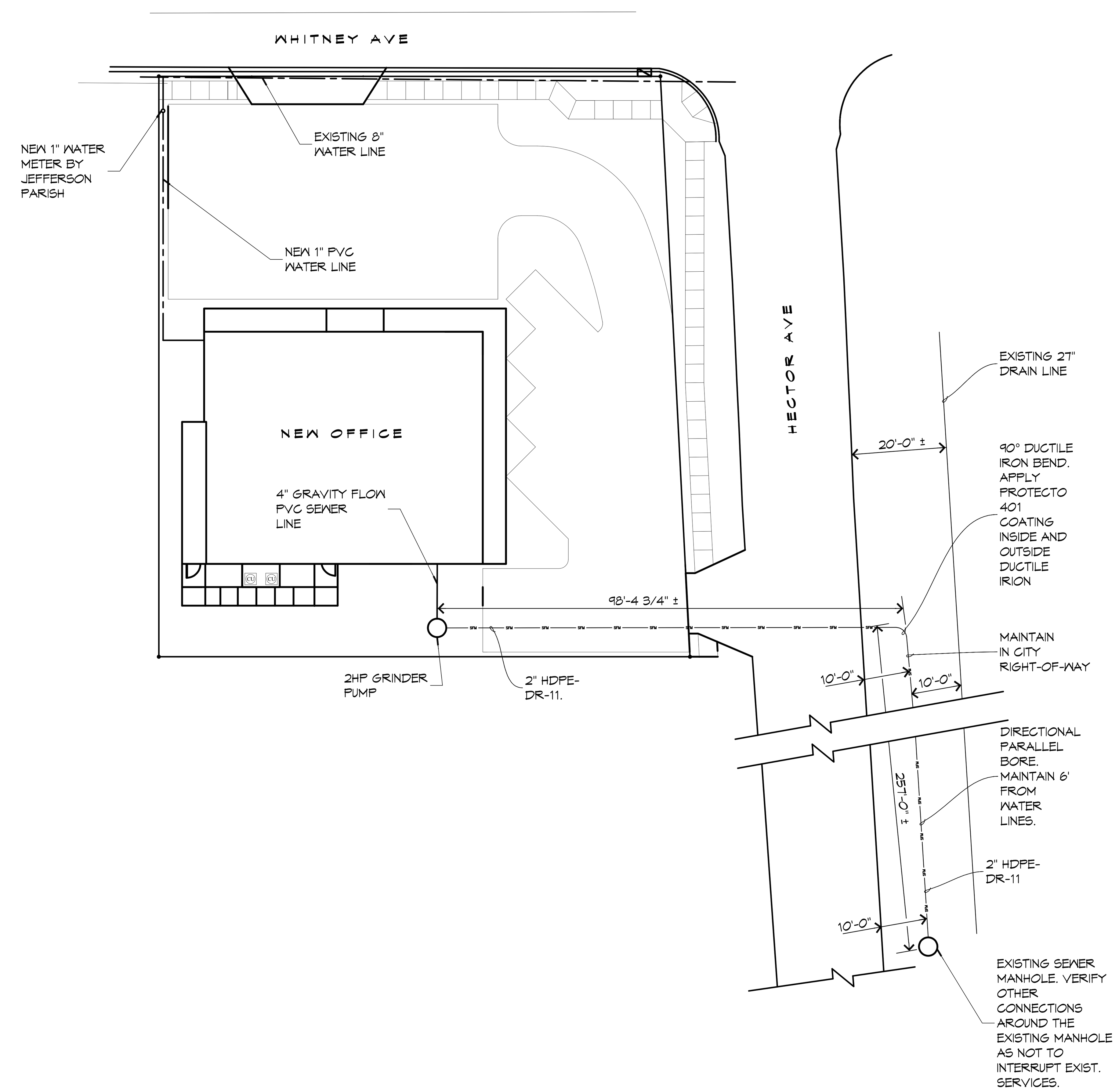


2 DETAIL
SCALE: N.T.S. SEWER MANHOLE TIE-IN MANHOLE



1 SITE SEWER PLAN
SCALE: 1" = 20'

GENERAL NOTES

1. ANY WORK IN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR NOTIFICATIONS TO THE JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION AND CONFORMITY TO THE REQUIREMENTS OF THE UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNALS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY. PHONE 504-736-6530.
2. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL PRIOR TO COMMENCEMENT OF ANY WORK.
3. THIS WILL BE A 2" DIRECTIONAL BORE UNDER THE STREET AND ALONG HECTOR AVE TO THE EXISTING MANHOLE AS NOTE ON THE DWG.

GENERAL NOTES FOR TIE-INTO EXISTING MANHOLE

1. FOR CONCRETE STRUCTURES CORE-DRILL THE REQUIRED OPENING OR DRILL HOLES AROUND THE PERIMETER OF THE REQUIRED OPENING UNTIL THE SECTION CAN BE TAKEN OUT WITHOUT DAMAGE TO THE STRUCTURE. SAW-CUTTING MAY BE REQUIRED. FOR ANY METHOD, ALLOW ADEQUATE SPACING FOR PLACING NON-SHRINK GROUT. ANY REINFORCEMENT LEFT IN-PLACE SHALL BE INCORPORATED IN THE PATCH WORK.
2. FOR BRICK STRUCTURES, CHISEL OR DRILL OUT THE OPENING AND INSERT PIPE. REPLACE GAPS AND CRACKS WITH NEW BRICK AND MORTAR AND PLACE NON-SHRINK GROUT BETWEEN THE PIPE AND THE WALL. GROUT SHALL BE PLACED A MINIMUM OF 1/2" THICK IN THE INSIDE AND OUTSIDE WALLS OF THE STRUCTURE AROUND THE OPENING TO COVER THE BRICK SURFACES.
3. PROPOSED PLASTIC PIPE FOR THE SEWER TIE-IN SHALL BE COATED WITH AN APPROVED EPOXY AND ROLLED IN MORTAR SAND TO PROVIDE A BONDING SURFACE BETWEEN THE OUTER PIPE WALL AND THE PATCH MATERIAL. CONTRACTOR HAS THE OPTION OF PURCHASING PIPE STUBS WITH PREPARED SURFACES FROM SUPPLIER.
4. XYPEX ADMIX C-1000, SHALL BE INCORPORATED INTO ALL MORTAR MIXES USED IN SANITARY SEWER MANHOLES (BRICK, CAST-IN-PLACE, AND PRECAST CONCRETE). THE DOSAGE SHALL BE 3% BY WEIGHT OF THE PORTLAND CEMENT. MIXING AND APPLICATION SHALL BE AS PER MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS. AN ALTERNATE TO THIS WOULD BE TO APPLY TWO COATS OF XYPEX TO THE INTERIOR MORTAR. SURFACE OF THE BRICK MANHOLE AS PER THE MANUFACTURERS SPECIFICATIONS. THIS TWO COAT SYSTEM IS ONE COAT OF XYPEX CONCENTRATE FOLLOWED BY ONE COAT OF XYPEX MODIFIED.
5. SEWER TIE-IN TO EXISTING MANHOLE: RESHAPE SEWER MANHOLE BOTTOM BY BUILDING A CHANNEL TO DIRECT SEWERAGE IN THE DIRECTION OF THE EXISTING FLOW IF NECESSARY.

SEWAGE FLOW CALCS

1. BASED ON THREE TOILETS AND FOUR SINKS, PUMP HEAD WILL BE APPROXIMATELY 16.3' FEET AND THE FLOW RATE WILL BE APPROXIMATELY 20.2 GPM.

SEWER FORCE MAIN NOTES

1. SEWER FORCE MAIN SHALL BE PE 4710 HIGH DENSITY POLYETHYLENE PIPE CONFORMING TO ASTM D3350. ALL JOINTS ARE TO BE FUSED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. FORCE MAIN SHALL BE PRESSURE TESTED TO 100 PSI FOR 2 HOURS.
3. FORCE MAIN SHALL HAVE A MINIMUM OF 3 FOOT COVER.
4. FORCE MAIN SHALL BE TIED TO EXISTING MANHOLE A;;ROXIMATELY 1 FOOT ABOVE THE INVERT OF THE MANHOLE. THE TIE-IN SHALL BE SEALED WITH NON-SHRINK GROUT W/XYPEX MIX.
5. THE SEWERAGE LIFT STATION AND THE 2" SEWER FORCE MAIN ARE TO BE PRIVATELY OWNED AND MAINTAINED.
6. THE INSTALLATION OF THE SEWER FORCE MAIN INTO THE EXISTING SEWER MANHOLE SHALL NOT INTERFERE WITH ACCESS TO THE MANHOLE STEPS.

* GROUT BOTTOM OF MANHOLE TO PROVIDE PROPER CHANNELING OF SFM DISCHARGE TO EFFLUENT GRAVITY LINE.

DIRECTIONAL BORE NOTES:

1. Approximate size of directional bore pits shown on drawings. Exact sizes shall be determined by the contractor and subject to the approval of Jefferson Parish. Contractor shall provide any additional construction servitudes required for contractor's purposes beyond that provided by the owner as shown on the plans.
2. Compacted sand backfill shall be used at all directional bore pits.
3. Directional bore operation shall conform to Section 728, LA DOTD Standard Specifications for Roads and Bridges, 2006 Edition.
4. The edges of excavation pits shall be at least 10 feet from the pavement edge. If less than 10 feet is provided, the contractor shall provide shoring of the pit walls to protect the roadway. Proper shoring of the roadway and pit walls is the responsibility of the contractor.
5. The contractor shall locate the depth of the sewer/water line and any other utility lines prior to the installation of the sewer/water line.
6. Any portion of the roadway damaged as a result of the directional boring operations shall be repaired in accordance with the requirements of Jefferson Parish at the contractor's expense.
7. The architect-engineer shall submit two reproducibles and a digital CD of the as-built drawings to the Department of Engineering before a "use and occupancy permit" is released.
8. Any work in the roadway or adjacent to the roadway causing an interference to vehicular traffic, requires prior notification to the Jefferson Parish Traffic Engineering Division and conformity to the requirements of the uniform manual of traffic control devices of the State of Louisiana. The contractor must furnish all necessary traffic signs and/or barricades, and maintain them during construction activity. (Phone: 504-736-6530). At least one lane of traffic shall remain open at all times. Hours of operation shall be between 9:00 a.m. - 3:00 p.m.
9. All joints and connections are required to be restrained.

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#	REVISIONS DESCRIPTION	DATE

SEAL: STATE OF LOUISIANA — BRIAN A. MISTICH — License No. 35167 — 6/24/2015 — BAM

NEW OFFICE BUILDING
STATEFARM OFFICE
501 WHITNEY AVE
TERRY TOWN, LOUISIANA 70056

JOB No:	2243	DATE:	JUNE 09, 2015
DRAWN BY:	CKD	CHECKED BY:	BAM

SHEET TITLE:
SITE SEWER PLAN AND DETAIL.

DRAWING NUMBER:
C101

SHEET No: 02 of 02