

GENERAL WATER SERVICE NOTES:

1. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE PLANS TO BE COMPLETE OR ACCURATE WITH RESPECT TO THE LOCATION OR EXISTENCE OF UNDERGROUND FACILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND STRUCTURES AND UTILITIES, WHICH MAY INTERFERE WITH THE INSTALLATION OF THE WATER MAINS AND APPURTENANCES PRIOR TO INSTALLATION OF THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNERS OF EXISTING UTILITIES IN ADVANCE OF CONSTRUCTION IN THEIR VICINITY AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK.
2. THE CONTRACTOR MAY REQUEST A PLAN CHANGE FOR REROUTING REQUIRED WATER LINES TO AVOID CONFLICTS WITH EXISTING UNDERGROUND STRUCTURES. THE ENGINEER SHALL BE THE SOLE JUDGE IN APPROVING SUCH CHANGES. WHERE SUCH CHANGES ARE APPROVED FOR THE CONTRACTOR'S CONVENIENCE, THERE SHALL BE NO ADDITIONAL COST TO THE OWNER.
3. WATER PIPING MATERIALS SHALL BE AS FOLLOWS:

| | |
|----------------|---------------------------|
| SERVICE TUBING | SDR 9 P.E. 3408 PIPE(CTS) |
| 2" | SDR 21 CLASS 200 PVC |

PRIOR TO ORDERING SERVICE TUBING, VERIFY THAT THE OWNER'S EXISTING WATER SERVICES ARE CTS.
4. FITTINGS USED FOR THE INSTALLATION OF WATER MAINS SHALL BE AS FOLLOWS:

| | |
|----------------|-----|
| 4" AND SMALLER | PVC |
|----------------|-----|
5. NO SEPARATE PAYMENT WILL BE MADE FOR PVC FITTINGS, INCLUDE ALL COSTS IN ASSOCIATED ITEMS. DUCTILE IRON PIPE FITTINGS SMALLER THAN 18" SHALL BE SHORT BODY TYPE 350 PSI RATED SEPARATE PAY ITEM PER TON.
6. ALL CONNECTIONS OF P.E. WATER PIPE TO CAST OR DUCTILE IRON PIPE, VALVES AND FITTINGS SHALL BE MADE BY BUTT FUSED MECHANICAL JOINT P.E. ADAPTERS (HARVEY ADAPTERS) WITH STEEL OR DUCTILE IRON BACKUP RINGS. NO SEPARATE PAYMENT WILL BE MADE FOR THESE TRANSITION FITTINGS.
7. THE CONTRACTOR AT HIS OWN EXPENSE, SHALL LAYOUT THE WORK.
8. THE CONTRACTOR SHALL CLEAR AND GRUB AS REQUIRED FOR THE CONSTRUCTION OF REQUIRED FACILITIES BUT SHALL NOT CLEAR OR GRUB BEYOND SITE, EASEMENT OR RIGHT-OF-WAY BOUNDARIES. THERE WILL BE NO SEPARATE PAY FOR CLEARING AND GRUBBING. THE CONTRACTOR MAY, WITH THE ENGINEER'S APPROVAL, MAKE MINOR PIPELINE DEFLECTIONS TO AVOID DAMAGE TO TREES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION ALL EXISTING WATER MAINS FOR CONNECTION WITH THE NEW WORK AS PART OF THE APPROPRIATE BID ITEMS.
10. MINIMUM COVER OVER WATER MAINS SHALL BE 30".
11. WATER MAINS CROSSING HARD-SURFACED STREETS, ROADS, DRIVEWAYS AND OTHER IMPROVED AREAS MAY BE INSTALLED BY EITHER HDD OR J&B.
12. PIPE, BORE AND DRILL DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS.
13. ALL REQUIRED JOINT RESTRAINT DEVICES, THRUST BLOCKS AND VALVE SUPPORTS SHALL BE INSTALLED BY THE CONTRACTOR AND VERIFIED BY THE PROJECT INSPECTOR PRIOR TO BACKFILLING. ALL FITTINGS SHALL BE SUPPORTED BY THRUST BLOCKING BY A 80 LB. BAG OF SAKRETE. NO SEPARATE PAYMENT WILL BE MADE FOR THRUST BLOCKS OR VALVE SUPPORTS.
14. THE CONTRACTOR SHALL INSTALL A NON-CORROSIVE TRACER WIRE OVER ALL NON-CONDUCTIVE MAINS. THERE WILL BE NO SEPARATE PAYMENT FOR CONDUCTOR INSTALLATION; THE COST SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT OF PIPE INSTALLED. TRACER WIRE SHALL BE NO. 10 AWG TYPE THHN INSULATED, STRANDED COPPER WIRE, ALL WIRE CONNECTIONS OR SPLICES SHALL BE MADE USING 3M MODEL DBR SPLICE KITS.
15. FINAL LOCATIONS FOR WATER SERVICE ASSEMBLIES, BLOWOFFS AND FIRE HYDRANTS WILL BE DETERMINED IN THE FIELD BY THE OWNER, ARCHITECT, OR ENGINEER.
16. MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 6' AND A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN ALL WATER MAINS AND ANY SEWERAGE LINES.
17. THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGH ALL NATURAL DRAINAGE COURSES, DRAINAGE STRUCTURES, CULVERTS AND DITCHES AFFECTED BY THE INSTALLATION OF THE WORK. THE CONTRACTOR SHALL RESTORE ALL SUCH DRAINAGE STRUCTURES TO THEIR ORIGINAL CONDITION.
18. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ANY SIGNS, CULVERTS, MAILBOXES AND FENCES DISTURBED BY CONSTRUCTION.
19. ALL AREAS DISTURBED BY CONSTRUCTION AND CONSTRUCTION STAGING AREAS SHALL BE SEEDED AND FERTILIZED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
20. ALL WATER OUTAGES SHALL BE COORDINATED WITH THE CITY OF NATCHITOCHES (TIM TOUSEK - 318-357-3850).
21. FINAL LOCATIONS FOR WATER SERVICE ASSEMBLIES SHALL BE COORDINATED IN THE FIELD WITH THE OWNER AND CUSTOMER.

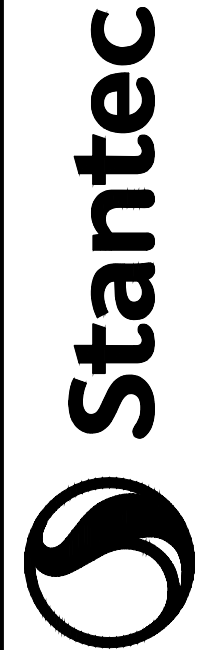
GENERAL SEWER NOTES:

1. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE BASED ON INFORMATION FURNISHED BY THE UTILITY OWNERS. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE PLANS TO BE COMPLETE OR ACCURATE WITH RESPECT TO THE LOCATION OR EXISTENCE OF UNDERGROUND FACILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND STRUCTURES AND UTILITIES WHICH MAY INTERFERE WITH THE INSTALLATION OF THE SEWER MAINS AND ASSOCIATED APPURTENANCES.
2. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL LAY OUT THE WORK. FOR ALL WORK ALONG AND ACROSS STATE HIGHWAYS, IN UTILITY EASEMENTS, AND ON THE LIFT STATION SITES, THE CONTRACTOR SHALL HAVE THE RIGHTS-OF-WAY STAKED BY A REGISTERED PROFESSIONAL LAND SURVEYOR (LICENSED TO PERFORM SURVEYING IN LOUISIANA).
3. THE CONTRACTOR SHALL CLEAR AND GRUB AS REQUIRED FOR CONSTRUCTION OF THE SEWER WORK, BUT SHALL NOT CLEAR OR GRUB BEYOND SITE, EASEMENT OR RIGHT-OF-WAY BOUNDARIES.
4. SANITARY SEWER PIPING SHALL BE AS FOLLOWS:

| | |
|--|-------------------------------|
| 8" GRAVITY SEWER (BY TRENCHING) | SDR 35 PVC GRAVITY SEWER PIPE |
| 6" SERVICE LINES (BY TRENCHING OR J&B) | SDR 26 PVC GRAVITY SEWER PIPE |
| 4" SERVICE LINES (BY TRENCHING OR J&B) | SDR 26 PVC GRAVITY SEWER PIPE |
5. WHEN HDPE PIPE IS USED, FITTINGS TO TRANSITION FROM PVC TO P.E. OR VICE VERSA SHALL BE PROVIDED AT NO SEPARATE PAY. ALL CONNECTIONS OF P.E. SEWER PIPE TO DUCTILE IRON PIPE AND FITTINGS SHALL BE MADE USING BUT FUSED MECHANICAL JOINT P.E. ADAPTERS (HARVEY ADAPTERS) WITH STEEL OR DUCTILE IRON BACKUP RINGS. ALL FITTINGS SHALL BE SUPPORTED BY THRUST BLOCKING AS SHOWN ON THE PLANS. NO SEPARATE PAYMENT WILL BE MADE FOR SUCH ADAPTERS AND/OR FITTINGS SUPPORT.
6. MINIMUM COVER FOR SERVICE LINES SHALL BE 36 INCHES. MAINTAIN 3 FEET OF COVER OVER ALL PIPES INSTALLED BENEATH ROAD DITCHES.
7. MAINTAIN A MINIMUM SEPARATION OF 6' HORIZONTAL AND 18" VERTICAL BETWEEN EXISTING WATER MAINS AND ALL GRAVITY SEWER LINES AND FORCE MAINS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF EXISTING SERVICE LINES AT INDIVIDUAL RESIDENCES OR SEWER USERS AND FOR PHYSICALLY LOCATING ALL EXISTING SEWER PIPE AND APPURTENANCES TO BE CONNECTED TO THE NEW FACILITIES.
9. PIPE AND BORE LENGTHS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
10. THE CONTRACTOR MAY REQUEST A PLAN CHANGE FOR REROUTING REQUIRED SEWER LINES TO AVOID CONFLICTS WITH EXISTING UNDERGROUND STRUCTURES. WHERE SUCH CHANGES ARE APPROVED FOR THE CONTRACTOR'S CONVENIENCE, THERE SHALL BE NO ADDITIONAL COST TO THE OWNER.
11. INSTALLATION OF ALL NEW GRAVITY SEWER PIPE SHALL ALSO INCLUDE COARSE AGGREGATE BEDDING AND HAUNCHING UP TO THE SPRINGLINE OF THE PIPE, AT NO SEPARATE PAY. COST FOR SUCH WILL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR LINEAL FEET OF GRAVITY SEWER PIPE INSTALLED ACCORDING TO PIPE SIZE AND DEPTH.
12. INSTALLATION OF ALL NEW 4" OR 6" TYPE B GRAVITY SEWER SERVICE PIPE SHALL ALSO INCLUDE THE TYPE B SERVICE COARSE AGGREGATE BACKFILL, AS NO SEPARATE PAY. COST FOR SUCH WILL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR VERTICAL FEET OF TYPE B GRAVITY SEWER SERVICE PIPE INSTALLED ACCORDING TO PIPE SIZE.
13. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE-GRADED AND SEEDED AND FERTILIZED IN ACCORDANCE WITH THE SPECIFICATIONS.

GAS NOTES:

1. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE BASED ON INFORMATION FURNISHED BY THE UTILITY OWNERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION OF EXISTING UTILITIES AS NECESSARY DURING THE LAYOUT AND CONSTRUCTION PHASES OF THE PROJECT IN COORDINATION WITH THE OWNER AND THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR SUCH FIELD UTILITY LOCATION WORK. AN ATTEMPT WILL BE MADE TO LAYOUT THE WORK TO AVOID EXISTING UTILITIES. HOWEVER, THIS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO VERIFY EXISTING UTILITY LOCATIONS AHEAD OF CONSTRUCTION TO AVOID INJURY OR DISRUPTION OF SERVICES OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ALL UTILITIES DAMAGED BY HIS WORK REPAIRED AND SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED DUE TO SUCH DAMAGE.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ARE AS FURNISHED BY OTHERS. THIS INFORMATION IS FURNISHED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR. THERE IS NO GUARANTEE AS TO THE ACCURACY OF THE INFORMATION.
3. MINIMUM COVER FOR ALL GAS MAINS SHALL BE 36".
4. ALL GAS PIPE INSTALLED UNDER THIS CONTRACT UNLESS SPECIFICALLY OTHERWISE REQUIRED SHALL BE P.E. 3408 (ASTM D2513) AND SHALL BE CELL CLASSIFICATION P.E. 355434C IN ACCORDANCE WITH ASTM D3350 AND THE SPECIFICATIONS.
5. THE CONTRACTOR SHALL RESTORE ALL SIGNS, CULVERTS, FENCES, ETC. DISTURBED BY HIS WORK.
6. THE CONTRACTOR MAY, WITH THE WRITTEN CONCURRENCE OF THE ENGINEER, VARY THE ROUTING OF THE PROPOSED GAS MAINS IN ORDER TO AVOID OBSTRUCTIONS ENCOUNTERED IN THE FIELD. RE-ROUTING SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER AND SHALL NOT BE CONSIDERED AS AN INCREASE OR DECREASE IN THE SCOPE OF WORK.
7. UNLESS OTHERWISE SHOWN OR SPECIFIED, PROPOSED BUILDING SERVICE LINES SHALL BE THE SAME SIZE AS EXISTING, BUT IN NO EVENT SMALLER THAN 1".



Stantec (Formerly Bradley-Blewster & Associates)
1200 Brickyard Lane, Suite 400

1200 Brickyard Lane, Suite 400
Baton Rouge LA 70802

Tel: 225-765-7400

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Startec without delay.
The Copyrights to all designs and drawings are the property of Startec. Reproduction or use for any purpose other than that authorized by Startec is forbidden.

Consultant

www.mmdp

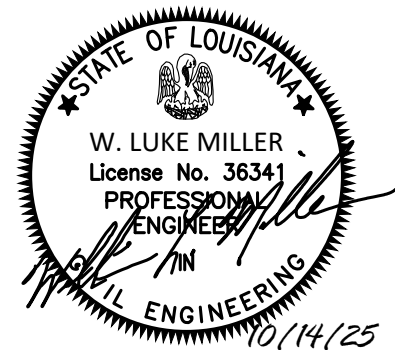
Appendix

By _____

Division

Design Phase Acceptance

Permit/Seal



Client/Project

CITY OF NATCHITOCHES

NEW FIRE STATION NO. 3

NATCHITOCHES, LOUISIANA

Project No.: 222706059

File Name: 7824_SITE_PLAN

Scale: N/A

| | | | |
|------|-------|-------|--------------------------|
| Dwn. | Dsgn. | Chkd. | 2025.09.26 YYYY.MM.DD |
|------|-------|-------|--------------------------|

| | |
|-------|---------------|
| Title | UTILITY NOTES |
|-------|---------------|



MEYER, MEYER, LaCROIX & HIXSON, Inc
ENGINEERS & LAND SURVEYORS
ALEXANDRIA, LOUISIANA

PROJ. NO. 7824

DATE: 7/11/25

DESIGN: WLM

DRAWN: GO

Revision: Sheet: of
Drawing No. **0001**

C301