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St. Tammany Parish Communications District 9-1-1 Dispatch Center
BID NO.: NF-2016-06-16 **ADDENDUM NO. 1**
GLA Project No. 14109

BID NO.: NF-2016-06-16
***New* 9-1-1 Communications Facility**

Date: 14 July 2016

The following clarifications, changes, additions or deletions for this project shall be made to the Contract Documents; all other conditions and work shall remain unchanged. The Addendum supersedes current conditions shown in the Contract Documents. **Acknowledge the receipt of these Addenda by inserting its number and date in your bid**. The following revisions to the Specifications and/or Drawings for the project shall become a part of the above numbered Contract Documents.

1.0 General

1.1 Sealed bids will be received by the St. Tammany Parish Communications District No. 1, ***until 2:00 p.m., Wednesday, August 10, 2016***, and then opened and read publicly at that time by the District's Staff for the above-noted project. Each Bid must be submitted in a sealed envelope. The outside of the envelope shall show the name and address of the Bidder, the State Contractor's License Number of the Bidder (if work requires contractor's license), the Project name and the Bid number. Bids will be received at 510 E. Boston Street, Suite 200, Covington, LA 70433 from each bidder or his agent and given a written receipt.

1.2 A pre-bid conference was held at 1:30 P.M. CST/CDT on 30 June 2016. A pre-bid meeting summary and pre-bid-conference sign-in sheet containing a list of attendees is attached herein.

1.3 The successful Bidder understands the limited contract time in the contract is **300** (previously 270) Calendar Days and shall submit any request for an extension of time in accordance with the General and Supplementary Conditions. Said request will reflect the days requested and the reason for same. No extension request is guaranteed or absolute.

1.4 Time extensions for inclement weather shall be granted in accordance with the General Conditions of the Contract. The Contractor shall anticipate ***15*** lost work days due to inclement weather included within the 300 calendar day contract time, following the Notice to Proceed date. The contractor's progress schedule must reflect these anticipated adverse weather delays in all weather-dependent, critical path activities. If the number of actual lost work days exceeds the 15 days anticipated, additional time extensions for inclement weather shall be granted in accordance with the General Conditions of the Contract. Final determination of time

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extensions for inclement weather shall be made by the owner's representative, Judith Patrylak (or acting construction administrator for Gabor Lorant Architects). The inclement weather beyond the anticipated 15 work days **must** impact critical-path construction activities and cause an actual delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the contractor. Time extensions for inclement weather shall be based on data from The National Weather Service, a component of the National Oceanic and Atmospheric Administration (NOAA).

1.5 Geotechnical Report from Stratum Engineering, LLC. has been amended with a letter dated 13 July 2016, addressed to Gabor Lorant Architects, Inc. and attached herein.

1.6 The "Summary of Work" for the Project comprises the entire construction to be performed as provided in the Contract Documents. The "Contract Documents" are defined in Section 01.00 entitled DEFINITIONS OF TERMS.

1.7 Specific testing requirements are delineated throughout the Contract Documents. The Owner will assume responsibility for payment of inspections for these inspections (Modification from Sect. 21.00 of General Conditions). The Contractor shall assume full responsibly to coordinate all inspections with the inspector and the Owner Representative in order to maintain the project schedule. A minimum of three days' notice is required. If an inspection fails, Contractor shall assume full responsibility therefore, pay all costs in connection with a follow up inspection and furnish Owner the required certificates of inspection, testing or approval. All inspections, tests and approval required by the Contract Documents shall be performed by organizations acceptable to Owner.

1.8 Noise and Abatement Code Requirements provided by the Owner attached herein.

1.9 There are no supplementary conditions to the contract at this time.

2.0 Project Specifications and Contract Documents

2.1 **Planting Irrigation Specification Section 32 84 00 attached herein**.

2.2 **Sheet a053 Detail 6**: The note **"4" x 18 GA. G.I. SLEEVE INSERT WITH PLASTIC BASE CAP - CENTER IN WALL"** shall reference sleeve cast into the pre-cast wall panel forming the socket adapted to receive the aluminum post.

2.3 **Sheet a102**: Delete Keynote 18 and associated reference mark (Sheet a102 only).

2.4 **Sheet a800 Floor Plan - Finish**: Static Dissipative VCT shall be installed throughout **Room 203 DATA CTR/MDF 1**.

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2.5 **Sheet a904 Detail 17:** Replace detail 17 with the detail shown on attached sheet **SK02.**

3.0 Substitution Requests

3.1 The following Substitution Requests submitted to date are acceptable to the Architect. All Contract Document requirements apply:

1. Keyton Mills, PSiSC/Columbia Lockers.
2. Miller-Clapperton System 1500 Rainscreen.

END OF ADDENDUM NO. 1

STRATUM
ENGINEERING, LLC
Geotechnical Engineering ♦ Testing and Inspection Services

July 13, 2016

Gabor Lorant Architects, Inc.
3326 N. 3rd Avenue, Suite 200
Phoenix, Arizona 85013-4302
Phone: (602) 667-9090

Attn: Mr. Jan Lorant, AIA

Re: Additional Geotechnical Engineering Services
Proposed St. Tammany Parish 911 Center
Lacombe, Louisiana
SE Project No. G15-091
Addendum No. 1

Dear Mr. Lorant:

Stratum Engineering, LLC (SE) is pleased to submit this addendum letter to supplement our Geotechnical Engineering Report No. G15-091, dated October 30, 2015, conducted for the above referenced project. The purpose of the addendum is to provide additional site preparation and foundation recommendations based on new design information provided to us.

In the initial report, SE provided site preparation and shallow foundation recommendations for the proposed 911 Center which included fill requirements below the slab and footings as well as requirements for protecting the footing excavations prior to placement of the concrete. The recommendations were based on an understanding that approximately three (3) feet of fill would be required to reach the floor slab design grade. Therefore, footings bearing at least two (2) feet below the finished grade, as recommended, would bear on about a foot of compacted structural fill and the floor slab would bear on more than the required minimum of two (2) feet of compacted structural fill.

However, based on conversations with Mr. Jan Lorant of Gabor Lorant Architects, we understand that due to 100-year flood design requirements a portion of the building will have a raised floor over a crawl space and slab-on-grade. This design will cause the building footings to bear at varying depths. As such, some of the footings will bear within the compacted structural fill while others will bear in the naturally occurring dense silty sand or very stiff sandy clay. The naturally occurring material is generally fair in bearing quality and suitable for support of the shallow foundation elements. Therefore, spread footings and continuous footings bearing at least two (2) feet below the adjacent finished grades on the naturally occurring sandy surface material or on compacted structural fill, can be designed for maximum allowable bearing pressures of 2,500 and 2,000 psf, respectively. The graded supported floor slabs should be supported on at least two (2) feet of compacted structural fill.

Furthermore, the initial report recommended that "footing excavations be observed and concrete placed as quickly as possible to avoid exposure of the footing bottoms to wetting and drying. Surface run-off water should be drained away from the excavations and not be allowed to pond prior to or after concrete placement. The foundation concrete should be placed during the same day the excavation is made. If it is required that the footing excavations be left open for more than one day, they should be protected to reduce evaporation or entry of moisture." Several options, such as seal slabs, are available for protecting foundation excavations which could remain open for an extended period. However, the means and methods employed to protect foundation excavations are beyond the scope of the geotechnical study and should be the responsibility of the contractor. Should the excavation bottoms be impacted by wetting and drying, the Geotechnical Engineer or his representative should inspect the excavations to assess that the foundation materials are capable of supporting the design loads. At that time, additional recommendations may be provided, if necessary.

All other recommendations contained in the Geotechnical Report remain in effect. If you should have any questions, please do not hesitate to call.

Respectfully submitted,
STRATUM ENGINEERING, LLC

NORMAN VALLETTE FOR

William "Dean" McInnis, P.E.
Project Manager

Tony Y. Maroun, P.E.
Principal

WDM/TYM:nsv

A. Any person or persons jointly or severally aggrieved by any decision of the St. Tammany Parish Hearing Officer shall have a right to appeal the decision in accordance with the provisions set forth in Chapter 1, Article 1, Section 1-012.18.

(Ord. No. 05-1104, adopted 05/05/05)

ARTICLE IV NOISE AND SOUND

SEC. 14-035.00 Investigating and Enforcing Noise Violations

It is hereby declared that at certain levels, sounds may be detrimental to the health, safety and well-being of the citizenry. Therefore, St. Tammany Parish prohibits sounds that constitute a nuisance, as defined in Section 14-001.00(d) and (e), and illustrated in Section 14-002.00(e) and (f). In the investigation and enforcement of the provisions relating to sound, consideration shall be given to the time, place and manner or nature of the sound complained of (i.e. - emergency work, impulsive sound or amplification). Additionally, to aid the enforcing agency in determining if the particular sound constitutes a nuisance as defined in Section 14-001.00(d) and (e), and illustrated in Section 14-002.00(e) and (f), the following definitions and decibel levels are established.

SEC. 14-136.00 Definitions

(A) Decibels: Decibel shall mean a unit of level when the base of the logarithm is the tenth root of ten and the quantities concerned are proportional to power.

(B) Emergency Work: Emergency work shall mean work made necessary to restore property to a safe condition following a public calamity or work required to protect persons or property from an imminent exposure to danger or work by private or public utilities when restoring utility service.

(C) Impulsive Sound: Impulsive sound shall mean a sound of short duration. Usually less than one second, with an abrupt onset and rapid decay. Examples of sources of impulsive sound include but not limited to explosions, drop forge impacts, and the discharge of firearms.

(D) Sound: Sound shall mean an oscillation in pressure, particle displacement, particle velocity or other physical parameter, in a medium with internal forces that causes compression and rarefaction of that medium. The description of sound may include any characteristic of such sound, including duration, intensity and frequency.

(E) Sound Level: Sound level, in decibels (dB), is the sound measured with the (A) weighting and slow response by a sound level meter.

(F) Weekend: Weekend shall mean Friday, Saturday and Sunday, and include holidays as established by the Parish.

(G) Weekday: Weekday shall mean any day Monday through Thursday.

(Ord. 04-0943, adopted 08/05/2004)

SEC. 14-137.00 Readings of dB(A) by Zoning District

An increase of 10 dB(a) is allowed for impulsive sounds.

To determine the sound level, three readings will be taken at the complainant s dwelling or structure and the mean of these readings will determine the actual decibel count.

(A) E-1, E-2, E-3, E-4, A1, A-1A, A-2, A-3, A-4, A-4A, A-5, A-6, A-7, A-8, PUD, TND-1, TND-2, and all zoning districts with a Manufactured Housing Overlay.

Maximum dB(A)

Daytime

7 a.m. to 9 p.m. weekdays - 65

8 a.m. to 10 p.m. weekends - 65

Nighttime

9 p.m. to 7 a.m. weekdays - 60

10 p.m. to 8 a.m. weekends - 60

(B) HC-1, HC-2, HC-2A, HC-3,HC-4, HC-5, RBG, MD-1, MD-2, MD-3, MD-4, PF-1, PF-2, CB-1, ED-1, ED-2, AT-1, AT-2, PBC-1, PBC-2, and all zoning districts with a Regional Business Center Overlay.

Maximum dB(A)

Daytime

7 a.m. to 11 p.m. entire week - 70

Nighttime

11 p.m. to 7 a.m. entire week – 60

(C) I-1, I-2, I-3, I-4, SWM-1, SWM-2, and AML.

Maximum dB(A)

Daytime

7 a.m. to 11 p.m. entire week - 75

Nighttime

11 p.m. to 7 a.m. entire week – 65

(D) NC-1, NC-2, NC-3, NC-4, NC-5, NC-6, and all zoning districts with a Rural Overlay.

Maximum dB(A)

Daytime

7 a.m. to 11 p.m. entire week - 70

Nighttime

11 p.m. to 7 a.m. entire week - 60

(Ord. 04-0943, adopted 08/05/2004; amended by Ord. No. 15-3351, adopted 07/09/2015)

SEC. 14-138.00 Special Notes and General Statements

(A) Emergency Work or sounds from an emergency vehicle shall be exempt from this Sound Control Ordinance.

(B) Construction activity shall be exempt from daytime decibel restrictions but the maximum nighttime sound levels shall apply in all instances.

(Ord. No. 93-1841, adopted 10/21/93; amended by Ord. 04-0943, adopted 08/05/2004; amended by Ord. No. 15-3351, adopted 07/09/2015)

CHAPTER 15 OFFENSES - MISCELLANEOUS

ARTICLE I IN GENERAL

gla
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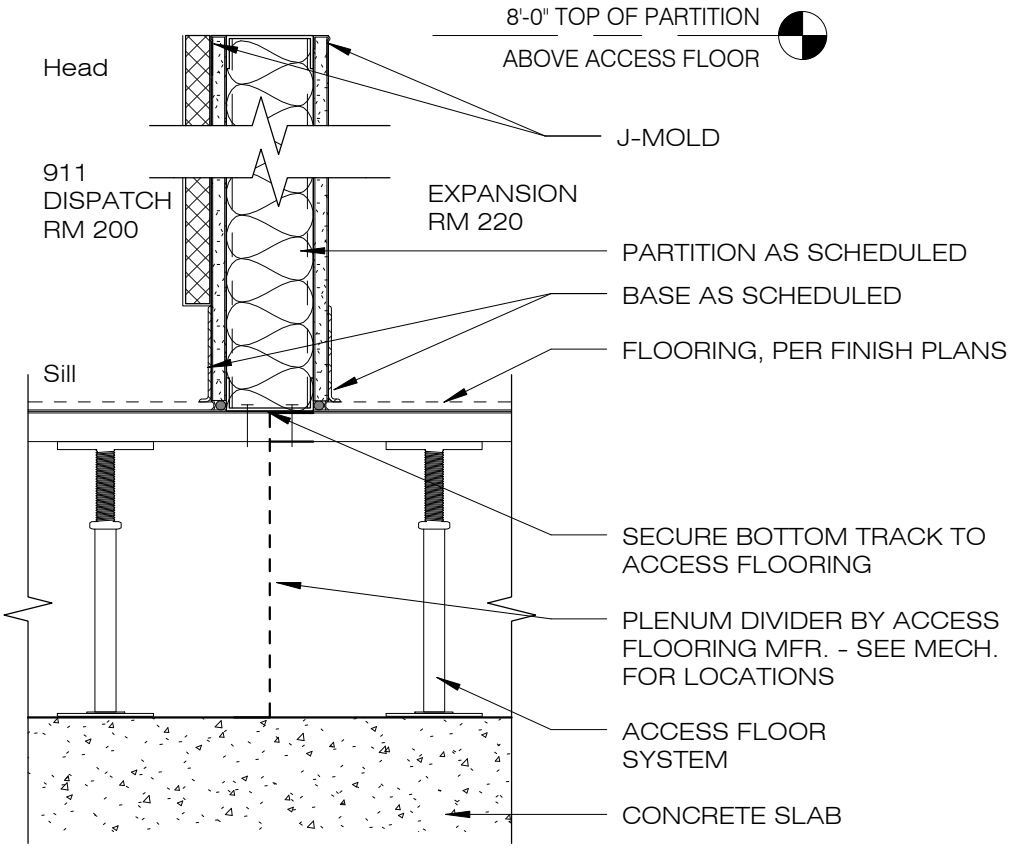

17 Sill/Head - Partition at Access Floor
1 1/2" = 1'-0"

REFERENCE 3/a602
THIS SKETCH REVISES 17/a904

STPCD 9-1-1 DISPATCH CENTER

gla No.:
14109

Issue Date:
08 JUL 2016

Partition at
Access Floor

SK 02

SECTION 328400

PLANTING IRRIGATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Piping.
2. Manual valves.
3. Pumps.
4. Low Volume Sub-surface Dripline.

1.2 PERFORMANCE REQUIREMENTS

A. Irrigation zone control shall be automatic operation with controller and automatic control valves.

B. Location of Sprinklers and Specialties: Design location is approximate. Make minor adjustments necessary to avoid plantings and obstructions such as signs and light standards. Maintain 100 percent irrigation coverage of areas indicated.

C. Minimum Working Pressures: The following are minimum pressure requirements for piping, valves, and specialties unless otherwise indicated:

1. Irrigation Main Piping: 200 psig.
2. Circuit Piping: 150 psig.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories. Submit manufacturers' catalog cuts, specifications, and operating instructions for equipment shown on materials list.

B. Shop Drawings: Submit shop drawings called for in installation details. Show products required for proper installation, their relative locations, and critical dimensions. Note modifications to installation details as part of shop drawing documentation.

C. Wiring Diagrams: For power, signal, and control wiring.

D. Controller Timing Schedule: Indicate timing settings for each automatic controller zone.

E. Field quality-control reports.

F. Operation and maintenance data.

1.4 FLUSHING AND TESTING

A. Schedule testing with Landscape Architect a minimum of three (3) days in advance of testing.

B. Provide clear water, pumps, labor, fittings, and equipment necessary to conduct line flushing and testing procedures.

C. Dripline and Emitter Lateral Flushing Procedures.

1. Flush the system every two weeks for the first six (6) weeks and check the water that is flushed out for cleanliness. Establish a regular system flushing schedule for the future based on results from the initial six-week flushing schedule.

2. Flush the system completely after any repairs are made and monitor system operation closely under regular system flushing schedule.

3. Check the pressure at the supply and flush headers on a regular basis and compare with the pressure readings taken after installation.

D. Dripline and Emitter Lateral Leakage Testing Procedures.

1. Subject installed dripline tubing and emitter lateral piping to water pressure equal to specified operating pressure for ten (10) minutes. Test with control zone components and dripline flush valve components installed.

2. Partially backfill buried pipe and tubing to prevent movement under pressure. Expose couplings, fittings, and valve components.

3. Visually inspect valve assemblies and fittings for leakage and replace defective pipe, fitting, joint, valve, or appurtenance. Repeat test until test segment is free from leaks. Cement or caulking to seal leaks is prohibited.

E. Dripline and Emitter Lateral Operational Testing Procedures.

1. Activate each dripline and emitter lateral control zone valve in sequence from controller. Provide either one additional person with radio or use handheld remote to activate remote control valves from controller. Manually activating remote control valve using manual bleed mechanism at remote control valve is not an acceptable method of activation. Owner’s Representative will visually observe operation, water application patterns, and leakage.

2. Replace or adjust defective valve, fitting, dripline segment, emitter lateral segment, or appurtenance to correct operational and coverage uniformity deficiencies.

3. Repeat test(s) until each dripline or emitter lateral test segment passes testing procedures. Repeat tests, replace components, and correct deficiencies at no additional cost to Owner and/or Owner’s Representative.

1.5 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.6 WARRANTY AND REPLACEMENT

A. Contractor is responsible for providing warranty of irrigation materials, equipment, and workmanship against defects for period of one (1) year from final acceptance. Fill and repair depressions. Restore landscape, utilities, structures and site features damaged by settlement of irrigation trenches or excavations. Repair damage to premises caused by defective items. Make repairs within seven (7) days of notification from owner.

B. Replace damaged items with new and identical materials, using methods specified in contract documents or applicable codes. Make replacements at no additional cost to contract price.

C. Warranty applies to originally installed materials and equipment, and replacements made during warranty period.

PART 2 - PRODUCTS

2.1 PIPES, TUBES, AND FITTINGS

A. Comply with requirements in the piping schedule for applications of pipe, tube, and fitting materials, and for joining methods for specific services, service locations, and pipe sizes.

B. Galvanized-Steel Pipe: ASTM A 53/A 53M, Standard Weight, Type E, Grade B.

1. Galvanized-Steel Pipe Nipples: ASTM A 733, made of ASTM A 53/A 53M or ASTM A 106/A 106M, Standard Weight, seamless-steel pipe with threaded ends.
2. Galvanized, Gray-Iron Threaded Fittings: ASME B16.4, Class 125, standard pattern.
3. Malleable-Iron Unions: ASME B16.39, Class 150, hexagonal-stock body with ball-and-socket, metal-to-metal, bronze seating surface, and female threaded ends.
4. Cast-Iron Flanges: ASME B16.1, Class 125.

C. PE Pipe with Controlled ID: ASTM F 771, PE 3408 compound; SIDR 11.5.

1. Insert Fittings for PE Pipe: ASTM D 2609, nylon or propylene plastic with barbed ends. Include bands or other fasteners.

D. PVC Pipe: ASTM D 1785, PVC 1120 compound, Schedule 40.

1. PVC Socket Fittings: ASTM D 2466, Schedule 40.

2. PVC Socket Unions: Construction similar to MSS SP-107, except both headpiece and tailpiece shall be PVC with socket ends.

E. PVC Pipe, Pressure Rated: ASTM D 2241, PVC 1120 compound, SDR 21.

1. PVC Socket Fittings: ASTM D 2467, Schedule 80.
2. PVC Socket Unions: Construction similar to MSS SP-107, except both headpiece and tailpiece shall be PVC with socket or threaded ends.

2.2 PIPING JOINING MATERIALS

A. Pipe-Flange Gasket Materials: AWWA C110, rubber, flat face, 1/8 inch thick unless otherwise indicated; full-face or ring type unless otherwise indicated.

B. Solvent Cements for Joining PVC Piping: ASTM D 2564. Include primer according to ASTM F 656.

C. Plastic, Pipe-Flange Gasket, Bolts, and Nuts: Type and material recommended by piping system manufacturer unless otherwise indicated.

2.3 MANUAL VALVES

A. Full Port Gate Valves, Resilient Seated:

1. Description:

a. Standard: AWWA C509.
b. Pressure Rating: 200 psig minimum.
c. Body Material: Cast bronze, comply with NSF-61 for Low Lead.
d. End Connections: Threaded ends to conform to ANSI Standards B2.1.
e. Interior Coating: Comply with AWWA C550.
f. Body Design: Non-rising stem.
g. Operator: Stem nut.
h. Disc: Solid wedge with resilient coating.

B. Cast Brass Gate Valve Casings:

1. Standard: AWWA M44 for cast-bronze valve casings.
2. Top Section: Adjustable extension of length required for depth of burial of valve.
3. Barrel: Approximately 5-inch (125-mm) diameter.
4. Plug: With lettering "WATER."
5. Bottom Section: With base of size to fit over valve.
6. Base Support: Concrete collar.

C. Operating Wrenches for Iron Gate Valve Casings: Furnish one steel, tee-handle operating wrench with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut for Project.

2.4 PUMPS

A. Description: Horizontally or vertically oriented, high flow asynchronous submersible pump. Stainless steel or thermoplastic discharge and motor bracket with ceramic bearing sleeve. Heavy duty, 300 V, 10’ SJOOW motor leads. Must include removable built-in check valve.

B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

1. Frankin Electric J-Class E-Series High Head Filter Effluent Pump

2. Or pre-approved equivalent.

C. Pressure Regulating Quick Check Basket Filter: combines filtration and pressure regulation in one integrated unit for protection of downstream components of drip irrigation system. Pressure regulating basket filter component specifications must include:

1. Basket style body and jar-top cap constructed of heavy-duty glass-filled, UV resistant polypropylene, with 150 PSI (10,3 bar) operating pressure rating.

2. Indicator incorporated into filter cap that changes color from green to red during operation when the filter element requires cleaning.

3. Standard 200 mesh (75 micron) filter screen constructed of stainless steel attached to polypropylene frame. Screen is serviceable for cleaning purposes by unscrewing cap from filter body and removing filter element.

4. Normally-open in-line pressure regulating device, constructed of durable, UV resistant non-corrosive material able to accommodate an inlet pressure rating of not less than 150 (10,3 bar), with preset outlet pressure of approximately 40 PSI (2,8 bar). Pressure regulating device allows full flow with minimal pressure loss unless inlet pressure is greater than preset level. As inlet pressure increases above preset level, internal spring compresses to reduce downstream pressure.

5. Male threaded 1” (25 mm) inlet and outlet connections.

2.5 LOW VOLUME SUB-SURFACE DRIPLINE

A. Provide flexible dual-layered pressure-compensating inline dripline colored purple for non-potable water systems, with emitter spacing and dripline row spacing as indicated on construction drawings.

B. Provide insert or compression fittings that are compatible with inline emitter tubing as indicated by manufacturer.

C. Basis-of-Design Product: Provide product indicated on Drawings, Rain Bird XFSP-06-18, or comparable product by one of the following:

1. Hunter Industries Incorporated

2. Netafim USA

3. Or pre-approved equivalent.

D. Inline Pressure Regulator:

1. Description: Regulate outlet pressure to 30 psi (2,0 Bars), installed above or below ground. 3/4" (20/27) or 1” (26/34) female threaded inlet and outlet.

a. Flow: 2.0 to 10.0 gpm; 120 to 600 gph.

b. Inlet pressure: 10-15 psi (0.7 to 10.3 bar)

2. Basis-of-Design Product: Provide product indicated on Drawings, Rain Bird PSI-M30X-075, or pre-approved equivalent.

E. Air Relief Valves:

1. Basis-of-Design Product: Provide product indicated on Drawings, Rain Bird ARV050, or pre-approved equivalent.

PART 3 - EXECUTION

3.1 EARTHWORK

A. Install warning tape directly above pressure piping, 12 inches below finished grades, except 6 inches below subgrade under pavement and slabs.

B. Drain Pockets: Excavate to sizes indicated. Backfill with cleaned gravel or crushed stone, graded from 3/4 to 3 inches, to 12 inches below grade. Cover gravel or crushed stone with sheet of asphalt-saturated felt and backfill remainder with excavated material.

C. Provide minimum cover over top of underground piping according to the following:

1. Irrigation Main Piping: Minimum depth of 24 inches below finished grade.
2. Circuit Piping: 12 inches.
3. Drain Piping: 12 inches.
4. Sleeves: 24 inches.

3.2 PIPING INSTALLATION

A. Location and Arrangement: Drawings indicate location and arrangement of piping systems. Install piping as indicated unless deviations are approved on Coordination Drawings.

B. Install piping at minimum uniform slope of 0.5 percent down toward drain valves.

C. Install piping free of sags and bends.

D. Install groups of pipes parallel to each other, spaced to permit valve servicing.

E. Install fittings for changes in direction and branch connections.

F. Install unions adjacent to valves and to final connections to other components with NPS 2-1/2 or smaller pipe connection.

G. Install flanges adjacent to valves and to final connections to other components with NPS 3 or larger pipe connection.

H. Install underground thermoplastic piping according to ASTM D 2774 and ASTM F 690.

I. Install expansion loops in control-valve boxes for plastic piping.

J. Lay piping on solid subbase, uniformly sloped without humps or depressions.

K. Install ductile-iron piping according to AWWA C600.

L. Install PVC piping in dry weather when temperature is above 40 deg F. Allow joints to cure at least 24 hours at temperatures above 40 deg F before testing.

3.3 JOINT CONSTRUCTION

A. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.

B. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.

C. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows:

1. Apply appropriate tape or thread compound to external pipe threads unless dry seal threading is specified.
2. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.

D. Flanged Joints: Select rubber gasket material, size, type, and thickness for service application. Install gasket concentrically positioned. Use suitable lubricants on bolt threads.

E. Ductile-Iron Piping Gasketed Joints: Comply with AWWA C600 and AWWA M41.

F. Copper-Tubing Brazed Joints: Construct joints according to CDA's "Copper Tube Handbook," using copper-phosphorus brazing filler metal.

G. Copper-Tubing Soldered Joints: Apply ASTM B 813 water-flushable flux to tube end unless otherwise indicated. Construct joints according to ASTM B 828 or CDA's "Copper Tube Handbook," using lead-free solder alloy (0.20 percent maximum lead content) complying with ASTM B 32.

H. PE Piping Fastener Joints: Join with insert fittings and bands or fasteners according to piping manufacturer's written instructions.

I. PVC Piping Solvent-Cemented Joints: Clean and dry joining surfaces. Join pipe and fittings according to the following:

1. Comply with ASTM F 402 for safe-handling practice of cleaners, primers, and solvent cements.
2. PVC Pressure Piping: Join schedule number, ASTM D 1785, PVC pipe and PVC socket fittings according to ASTM D 2672. Join other-than-schedule-number PVC pipe and socket fittings according to ASTM D 2855.
3. PVC Nonpressure Piping: Join according to ASTM D 2855.

3.4 SLEEVE INSTALLATION

A. Sleeves to be installed at twice the diameter of irrigation line.

3.5 DRIPLINE INSTALLATION

A. Excavation, trenching, and backfilling:

1. Stake out dripline irrigation system. Items staked include manifold/header pipe and tubing, sleeves, control zone assemblies, flush valves, air relief valves, and check valves.

2. Excavate and install pipes at uniform minimum depth of 4 inches. Excavate trenches at appropriate width for connection and fittings.

3. Minimum cover for dripline components (distance from top of pipe to finish grade):

    a. Buried PVC manifold and supply header pipe to dripline grid layouts: 12” to top of pipe.

    b. Buried dripline lateral pipe downstream PVC manifold and supply header pipe: 4” to top of pipe.

    c. On-grade dripline lateral pipe downstream PVC manifold and supply header pipe: Secure to finish grade with approval tubing stakes. Install and test prior to installation of landscape fabric and mulch.

4. Backfill only after buried lines have been reviewed, tested, and approved.

5. Dress backfilled areas to original grade. Incorporate excess backfill into existing site grades. Dispose of excess backfill off site.

6. Contact Landscape Architect for trench depth adjustments where utilities conflict with irrigation trenching and pipe work.

B. Assembling Pipe and Fittings

1. Keep pipe free from dirt and debris. Cut pipe ends square, deburr and clean as recommended by pipe manufacturer. Keep ends of assembled pipe capped. Remove caps only when necessary to continue assembly.

2. PVC Pipe and Fittings:

    a. Use only strap-type friction wrenches for threaded plastic pipe.

    b. PVC Solvent Weld Pipe and Fittings:

        1) Use appropriate primer and solvent cement. Join pipe in manner recommended by pipe and fitting manufacturers and in accordance with accepted industry practices.

        2) Cure for thirty (30) minutes before handling and twenty-four (24) hours before pressurizing or installing with vibratory plow.

        3) Snake pipe from side to side within trench.

    c. PVC Threaded Connections:

        1) Use only factory-formed threads. Field-cut threads are not permitted.

        2) Apply thread sealant in manner recommended by component, pipe and sealant manufacturers and in accordance with accepted industry practices.

    d. Dripline Tubing and Fittings:

1) Use only dripline tubing connections or transitions as recommended by manufacturer for the specific site and system conditions.

2) Dripline Insert Fittings: Install dripline tubing and fittings in manner recommended by manufacturer and in accordance with accepted industry practices.

3) Dripline Compression Fittings: Install dripline tubing and fittings in manner recommended by manufacturer and in accordance with accepted industry practices.

C. Installation of Dripline Irrigation Components

1. Lateral Piping and Dripline Tubing:

a. Install lateral piping and dripline tubing at locations and in grid patterns as indicated on drawings and installation details, and in strict accordance with manufacturer recommendations.

b. Thoroughly flush PVC lateral piping, supply headers, and dripline tubing immediately upon installation.

2. Air Relief Valve Kit Assembly: Install at all high points in dripline tubing grid as shown and directed on drawings and installation details.

3. Flush Point Assembly: Install in flush header or at ends of each dripline zone segment as shown and directed on drawings and installation details. Install at least 12-inches from and align with adjacent walls or edges of paved areas.

3.6 IDENTIFICATION

A. Identify system components. Comply with requirements for identification specified in Section 220553 "Identification for Plumbing Piping and Equipment."

B. Equipment Nameplates and Signs: Install engraved plastic-laminate equipment nameplates and signs on each automatic controller.

1. Text: In addition to identifying unit, distinguish between multiple units, inform operator of operational requirements, indicate safety and emergency precautions, and warn of hazards and improper operations.

C. Warning Tapes: Arrange for installation of continuous, underground, detectable warning tapes over underground piping during backfilling of trenches. See Section 312000 "Earth Moving" for warning tapes.

3.7 FIELD QUALITY CONTROL

A. Perform tests and inspections.

B. Tests and Inspections:

1. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
2. Operational Test: After electrical circuitry has been energized, operate controllers and automatic control valves to confirm proper system operation.
3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

C. Any irrigation product will be considered defective if it does not pass tests and inspections.

D. Prepare test and inspection reports.

3.8 ADJUSTING

A. Adjust settings of controllers.

B. Adjust automatic control valves to provide flow rate at rated operating pressure required for each sprinkler circuit.

C. Adjust sprinklers and devices, except those intended to be mounted aboveground, so they will be flush with, or not more than 1/2 inch above, finish grade.

3.9 PIPING SCHEDULE

A. Install components having pressure rating equal to or greater than system operating pressure.

B. Piping in control-valve boxes and aboveground may be joined with flanges or unions instead of joints indicated.

C. Aboveground irrigation main piping, NPS 4 and smaller, shall be one of the following:

1. Galvanized-steel pipe and galvanized-steel pipe nipples; galvanized, gray-iron threaded fittings; and threaded joints.
2. Type L hard copper tube, wrought- or cast-copper fittings, and soldered joints.

D. Underground irrigation main piping, NPS 4 and smaller, shall be one of the following:

1. Schedule 40, PVC pipe and socket fittings, and solvent-cemented joints.

E. Circuit piping, NPS 2 and smaller, shall be one of the following:

1. SDR 21, PVC, pressure-rated pipe; Schedule 40, PVC socket fittings; and solvent-cemented joints.

F. Circuit piping, NPS 2-1/2 to NPS 4, shall be one of the following:

1. Schedule 40, PVC pipe and socket fittings; and solvent-cemented joints.
2. SDR 21, PVC, pressure-rated pipe; Schedule 40, PVC socket fittings; and solvent-cemented joints.

G. Underground Branches and Offsets at Sprinklers and Devices: Schedule 80, PVC pipe; threaded PVC fittings; and threaded joints.

1. Option: Plastic swing-joint assemblies, with offsets for flexible joints, manufactured for this application.

H. Risers to Aboveground Sprinklers and Specialties: Type L hard copper tube, wrought-copper fittings, and soldered joints.

I. Drain piping shall be one of the following:

1. Schedule 40, PVC pipe and socket fittings; and solvent-cemented joints.
2. SDR 21, PVC, pressure-rated pipe; Schedule 40, PVC socket fittings; and solvent-cemented joints.

3.10 PROJECT RECORD (AS-BUILT) DRAWINGS

A. Document field changes from original design and construction documents. Maintain on-site and separate from original construction documents, one complete set of documents labeled “Project Field Documents”. Keep documents current. Do not permanently cover work until accurate “as-built” information is recorded.

B. Record pipe network alterations on a daily basis. Record work that is installed differently than shown on construction documents. Record accurate reference dimensions, measured from at least two permanent reference points, of each control zone kit assembly, each dripline zone boundary, each air relief valve assembly, each flush point assembly, and other dripline irrigation components enclosed within valve box.

C. Provide “Record Drawings” to Landscape Architect. Completion of Record Drawings is required prior to final construction review at completion of irrigation system installation.

3.11 FREEZE PROTECTION

A. If freezing temperatures are forecasted, contractor is to take all manufacturer recommended precautions to protect the system from freeze damage. Any damage to the system as a result of improper freeze protection shall be repaired by the contractor.

3.12 MAINTENANCE

A. Maintain irrigation system for duration of 30 calendar days from formal written acceptance by Landscape Architect. Make periodic examinations and adjustments to irrigation system components in order to achieve the most efficient and uniform application of water.

B. Following completion of Contractor's maintenance period, Owner will be responsible for maintaining system in working order during remainder of guarantee/warranty period, for performing necessary minor maintenance, for protecting against vandalism, and for preventing damage after landscape maintenance operation.

END OF SECTION

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St. Tammany Parish Communications District No. 1
STPCD 9-1-1 Dispatch Center
Owner Project No: 060125
GLA Project No: 14109
BID NO.: BID-NF-2016-06-16

Agenda
Pre-Bid Conference Meeting Report
30 June 2016

Meeting Summary

1. A Pre-Bid meeting was held for:
   Project: ST. Tammany Parish Communications District STPCD 9-1-1 Dispatch Center.
   Bid Number: BID-NF-2016-06-16
   Owner Project Number: 060125

2. Sign-in Sheet Attached

3. Introductions were made:
   Rodney Hart, Executive Director, STPCD
   Sean Spansel, Deputy Director, STPCD
   Administrative Assistant contact for questions regarding the bid procedure:
   Nathalie Bordelon, 985-898-4911

   Architect: Gabor Lorant Architects, Inc.
   Jan Lorant, AIA
   P: (602) 667-9090
   F: (602) 667-9133

   Construction Administrator: Gabor Lorant Architects, Inc.
   Judith Patrylak
   P: (602) 391-6624

Architect Statement: Objective is to be fair and prompt in our work and replies, to enable all parties to complete this project in a timely and satisfactory manner. The Project Schedule is critical to the success of the project. The contractor will be held accountable for timely schedule updates and tracking Critical Path tasks accurately.

4. Pertinent Dates, Times and information were reviewed and have been modified by Addenda 01 as referenced here:

   a. Documents available to bidders: June 16, 2016
      Requires a fee of $275.00 per set (previous local newspaper ad cited the incorrect fee amount).

   b. Last date for prior approvals: 2pm CST, seven (7) working days prior to bid opening date. (Bid opening date is August 10, 2016. Last date for prior approvals is July 30, 2016)
      Prior approval requests should be submitted to the Architect directly, not to the Owner. Be sure to use the Prior Approval Request form located in the specifications. Section 00 63 25

NOTE: ONLY PRODUCTS THAT ARE ORIGINALLY SPECIFIED OR RECEIVE PRIOR APPROVALS MAY BE USED IN THIS PROJECT.

c. Project Construction Cost Estimate = $5,000,000 (by Gabor Lorant Architects, Inc.)

d. Receipt of Bids: 2:00 p.m., August 10, 2016, at:

St. Tammany Parish Communications District No. 1,
510 E. Boston Street, Suite 200,
Covington, LA 70433

e. Anticipated Notice of Award: Mid August, 2016
Anticipated Notice to Proceed: Late August, 2016

f. First day site is available for work: immediately following Notice to Proceed. Owner shall issue a Notice to Proceed to the Contractor within twenty (20) calendar days from the date of execution of the Contract.

g. Substantial Completion: Modified by Addenda 01 to three hundred (300) calendar days following Notice to Proceed

h. Final completion time frame: thirty (30) calendar days following the date of Substantial Completion

i. Required bonds:
Bid bond: 10% of Bid Amount
Performance and Payment bonds: Required for 100% value of the project

5. Bid form and submittal

Requirement to fully fill out all sections of the bid form, including acknowledgment of all addenda, ***regardless of whether they affect the contract time or cost or not.*** Include requested contractor qualification information.

6. Bid Alternates: None.

7. List of Allowances: None.

8. Submittals following Notice to Proceed

Following Notice to proceed, all parties will attend a pre-construction meeting. A detailed schedule of anticipated work and activities for the project is required per the Division 01 Specifications.

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9. Special site or project requirements

   a. GLA presented a Power Point presentation with views of the building, emphasizing building site design and their details. The building is approximately 16,000 s.f. with a water treatment facility and well on site. The contractor must address specialty items that pertain to this building type such as: ballistic wall and window materials, acoustical materials, fire suppression systems, underfloor HVAC including leak testing, cable tray routing, and technology coordination (by Owner hired outside vendors).

   b. Permits, inspections and jurisdiction of Parish, State Fire Marshall. Contractor to coordinate with Inspectors in tandem with Owner Representative Judith Patrylak (GLA).

   c. Contractors shall review the Geotechnical Report and its modification in Addenda No. 01.

10. Questions from contractors

1. Tax status of the project. Owner reply: The construction of the project is exempt from State and local taxes.

2. Calendar time of 270 days with no specific weather days appears to be extremely difficult to achieve for some contractors. Owner/Architect reply: Addenda No. 01 will address this after review of NOAA statistics.

3. Geotechnical Report requirement to pour concrete footing on same day as excavation (page 8 of Stratum Engineering LLC report) will be address for alternatives in Addenda 01.

4. Owner Comment: Technology and Audio Visual equipment will be provided by a vendor hired by the Owner. Contractor to coordinate with regard to rough-in work in the Contract Documents and Project Schedule.

5. Is the Contractor to pay for all Special Inspections? Architect Reply: See General Notes on sheets and Specifications for all disciplines in addition to front end Specification Documents. Addenda No. 01 provides further clarification.

6. Is parking available at the site? Architect Reply: Parking in adjacent areas and roadway is available. Contractor to investigate prior to bidding.

7. All Permits have been approved and will be paid for by the Owner.

END OF PRE-BID CONFERENCE SUMMARY

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St. Tammany Parish Communications District No. 1
STPCD 9-1-1 Dispatch Center
Owner Project No: 060125
GLA Project No: 14109
BID NO.: BID-NF-2016-06-16

SIGN-IN SHEET
Pre-bid Meeting
30 June 2016

√	NAME	ORGANIZATION/ DEPARTMENT	EMAIL	PHONE/FAX
	Justin Whittington	Lincoln Builders	dwilliams@lincolnbuilders.com jwhittington@lincolnbuilders.com	225-706-5038
	BLAKE STABENOW	FH MYERS	BIDC FHMYERS.COM	504.734.1073
	MARK STALLINGS	STALLINGS	MARK@STALLINGSCC.COM	504-458-7913
	Bill Steinhardt	Trimark Const.	bsteinhardt@trimarkconstructors.com	504 836-2811
	Steele McDaniel	Steele-R Development LLC	Steele@S-rd.com	985 234-0621 985 234-0611
	MARTIN BEACHAM	STPCD		
	Nick Caillouet	Guy Hopkins Const.	estimating@guyhopkins.com guy@guyhopkins.com	225-751-2158 F:225-751-2159
	Brett Pemberton	Frischhertz Elec.	brettp@frischh.com	504.482-1146
	PAUL MANNEB	LITTLEJOHN	PAUL_MANNEB@HOTMAIL.COM	225-400-1275
	LINDSAY DEVALCOURT			
	FRANK A. ANZALONE	F.A.A. INC	FRANKANZALONE@COX.NET	985-542-2744
	Charlie Cangelosi	Cangelosi Ward	Charlie@CangelosiWard.com	225 9277258
	Dary Bruno	mNatal Contractors	mike@mNatal.com	985-649-2713

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SIGN-IN SHEET
Pre-bid Meeting
30 June 2016

√	NAME	ORGANIZATION/ DEPARTMENT	EMAIL	PHONE/FAX
	Adam Stevens	OMEGA G.C.	astevens@omegagc.biz	985.892.0555
	David Cimino	Below Magner Const	estimating@belowmagner.com	504-831-2545 504-832-3609
	Doug Shivers	Fisk Elec	DSHIVERS@FISKCORP.com	504 464 1614
	TRICIA LAFLEUR	SYNERGY GLASS	TRICIA@SYNERGYGLASSCO.COM	985-[illegible]-1075
	Lindsay deVilleneuve	HD Supply Whitecap	Lindsay.deVilleneuve@hdsupply.com	504-616-1042
	Ryan Morse	Beier Construction	Ryan@Beierconstruction.com	504 236-6258
	Vick Corso	Corso Const.	Vcorso@corsoinc	985-960-7555

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SIGN-IN SHEET
Pre-bid Meeting
30 June 2016

✓	NAME	ORGANIZATION/ DEPARTMENT	EMAIL	PHONE/FAX
	Ayo Love	PSI	Ayodele.Love@psiusa.com	312-735-0112 (cell) 504-733-9411 x106 (office)
	Rodney Hart	STPCD	—	—

St. Tammany Parish Communicstions District No. 1
510 E. Boston Street
Suite 200 Covington, LA 70433
Phone: (985) 898-4911 Fax: (985) 898-4974

List of Current Plan Holders

1. BelouMagner Construction Company
2. Construction Market Date Group
3. Dodge Data & Analytics
4. FH Myers
5. Frank A. Anzalone
6. Gibbs Construction Co., Inc.
7. Guy Hopkins Construction
8. Industrial & Mechanical Contractors, Inc.
9. Kevin J. Smith Construction
10. Lincoln Builders of Baton Rouge, Inc.
11. Omega General Construction LLC
12. Shamrock Construction Co., Inc.
13. Stallings Construction
14. Trimark Construction