

**ADDENDUM NO. 1
for the
La Granada Pump Station Project
Specification No. 2018/19-25
Project No. CI 8082**

To all prospective Bidders under Specification No. 2018/19-25 for the La Granada Pump Station project.

NOTICE: The bid date in the Notice Inviting Bids has not been changed. Bids are due per the original contract documents with the following revisions and clarifications and shall be received by the City of Thousand Oaks at the City Clerk's Office at 2100 Thousand Oaks Boulevard, Thousand Oaks, CA 91362 no later than **Wednesday, March 11, 2020 at 3:30 P.M.**

REVISIONS & CLARIFICATIONS TO THE CONTRACT DOCUMENTS

- Item 1:** Replace Plan Sheet 71 of 89 with the revised Plan Sheet 71 of 89 as attached Exhibit "A"
- Item 2:** Replace Plan Sheet 72 of 89 with the revised Plan Sheet 72 of 89 as attached Exhibit "B"
- Item 3:** Add a new Specification Section 16 25 00, Lighting System as attached Exhibit C
- Item 4:** Add a new Specification Section 16 30 00, Underground System as attached Exhibit D
- Item 5:** Section 01 52 00, Engineer's Field Office, Equipment and Services:

Add new Paragraph 3.01.H in Section 01 52 00, Engineer's Field Office, Equipment and Services, as shown below.

"The Contractor shall perform site clearing, grubbing, and cleaning to install temporary field office. The Contractor shall perform required temporary earthwork, including excavation and fill placement to install temporary field office plumb and level. The Contractor shall install required temporary support members to install temporary field office plumb and level. All temporary items shall be removed after they are no longer required."



Item 6. Section 07 81 30, Skylights:

Replace Paragraph 2.01.F with the following.

“Inner dome shall be formed of one-piece clear transparent cast acrylic.”

Item 7. Section 16 70 50 Standby Diesel Engine Power Generator Set:

Replace Paragraph 2.10.A with the following.

- A. The generator shall be provided with two circuit breakers as follows. One circuit breaker shall be dedicated for load bank testing.
1. Electronic-trip type.
 2. One main circuit breaker rated at 800 amp and adjustable to 600 amp. Unless otherwise specified, this circuit breaker shall be set to 600 amp.
 3. Circuit breaker for load bank testing shall be 100% rated 600 amp.
 4. Complying with NEMA AB 1.
 5. Complying with UL 489.
 6. Manufactured by Cutler-Hammer or approved equal.
 7. Product Description: Enclosed, molded-case circuit breaker conforming to NEMA AB 1 and FS-W-C.
 8. The circuit breaker shall include auxiliary contacts, shunt trip, alarm switch, and overcurrent protection for 3 phases. The ground faults shall be shall be displayed at control panel.
 9. The short circuit ratings of the circuit breaker shall be higher than available short circuit current delivered by the generator.

Item 8. Section 16 70 50 Standby Diesel Engine Power Generator Set:

Delete Paragraph 2.16.A.13 for smoke detector requirement.



Item 9. RESPONSES TO PROSPECTIVE BIDDERS' QUESTIONS:

Question # 1

Question:

Are there any soil reports available to determine the ground water table? How would dewatering be handled if it is necessary?

Answer:

No soil reports are available for the project. See Contract Documents, including Specification Section 02 20 00- Earthwork 1.08.

Question # 2

Question:

Who will perform SCADA Integration/ PLC Program development after the construction?

Answer:

Refer to Contract Documents, including Section 17 50 00.

Question # 3

Question:

Is there any availability of construction water to the project site?

Answer:

There is an existing hydrant at the ca-de-sac at the bottom of the access road. Contractor may apply and rent a construction meter from the City and connect to the hydrant.

Question # 4

Question:

Is there any availability of power connection at the project site?

Answer:

Contractor is responsible for the temporary power. See Contract Documents for additional requirements and information.

Question # 5

Question:

Does the steel pipe need cathodic protection?

Answer:

Other than the insulating flanges as per the Contract Documents, no additional cathodic protection is required.

Question # 6

Question:

Does City have any pot hole observation details available for the existing discharge pipeline and trust block locations?

Answer:

No



Question # 7

Question:

What type of back filling will need for the trenching?

Answer:

Backfilling requirements differ based on the location. See Contract Documents.

Question # 8

Question:

Who will provide resident notifications to the impacted residents? The City or the Contractor?

Answer:

The City will send letters to all affected residents and businesses in mid-April. The Contractor shall notify with letters/ door hangers to same list of affected residents and businesses seven days prior to beginning of construction. The City will provide mailing lists of affected residents and businesses. Notification letters/ Door hangers need to be approved by the City prior to sending out. See Contract Documents for additional requirements.

Question # 9

Question:

Construction specification requires to provide Portable Changeable Message Signs. Provide information.

Answer:

Portable Changeable Message Signs shall be provided by the contractor on La Granada Drive at least one week prior to work starts. The City's Traffic Engineer will provide information on wordings and locations during Traffic Plan approval. See Contract Documents, including Specification Section 01 55 26, Traffic Control for additional requirements.

Question # 10

Question:

Specification Section 1.08 C - 01 55 26, Traffic Control required to backfill, or steel plated the open trenches during non-working hours. Please provide information.

Answer:

Contractor shall install steel plates for the open trenches in accordance with the City of Thousand Oaks Road Standard plate 8-14. See Contract Documents for additional requirements.

Question # 11

Question:

During pre-bid walk, the City notified that there is a special intermediate completion milestone. Where we do find information?

Answer:

Please refer to the sub section 1.15 of Section 01 11 00, Summary of Work.



Question # 12

Question:

The City required contractor to provide a trailer office. But there is very limited space for staging and an office space and need more grading and site clearing.

Answer:

See item 5 in Addendum No.1

Question # 13

Question:

The City required contractor to pothole prior to order any material. Are there any available as built drawings contractor to obtain copies prior to pothole?

Answer:

As-builts drawings are included in the Specifications, Appendix A as reference only.

Question # 14

Question:

Is there any available staging around the project site?

Answer:

Contractor may use the project site for staging and storage area, while taking full responsibility for the safety and security of all material and equipment. Contractor shall provide clear access to the existing facilities for City's staff for operation and maintenance, including vehicular access as needed. The City will do its best to accommodate the Contractor by providing access to City-owned properties, ultimately however, off-site storage and staging areas are the Contractor's responsibility.

Question # 15

Question:

The exhaust fans are referenced on various plans but there is not a specific plan with equipment schedule and details on the exhaust system. Please clarify and provide specifications.?

Answer:

Refer to Contract Documents, including Section 15 32 00, Exhaust Fans and Sheet 53 for electrical information for exhaust fans.

Question # 16

Question:

Section 07 51 00. 2.01 General Line C - Built-up roofing "Bondable" for 20 years. Does this apply to the roofing installer.? 1.08 Guarantee - Roof Manufacturers written 20 - year NDL

Answer:

Per Section 07 51 00, Paragraph, 1.08, guarantee is for materials and workmanship.



Question # 17

Question:

Section 07 51 00. Will plywood roof be a Class-A fire rated roof deck? If so a 1/4" dens deck is required before hot moped built-up?

Answer:

Dense deck is not required as confirmed by the manufacturer of the specified roof system.

Question # 18

Question:

Section 07 81 30. 2.01 SKYLIGHTS line C - 6063-T5 extruded aluminum curb. Curb Drawing detail shows 2X6 wood curb that does not meet the 9" minimum curb height required. Please specify curb type?

Answer:

Install extruded aluminum curb from the manufacturer on 2x6 wood curb in accordance with manufacturer's instructions.

Question # 19

Question:

Section 07 81 30. 2.01.E & 2.01.F - Skylights detailed within specs as Bronze over Bronze. This is not a standard skylight, typo? Clear over Bronze is STD and readily available.

Answer:

See Item 6 above.

Question # 20

Question:

Section 01 45 00, Paragraph 1.04.C - Please confirm contractor is required to employ certified testing agency to conduct all project testing and furnish such reports to city for evaluation and conformance with specifications & standards.

Answer:

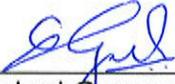
Yes.

This addendum shall be attached to and become part of the specifications and, further, each bidder shall include this addendum with their bid as an acknowledgment of receipt of this addendum. The acknowledgment of receipt of this addendum shall be taken as prima facie evidence that, prior to the submission of his/her bid, the bidder was fully cognizant of all provisions of the addendum and of all work and conditions affected thereby.



FAILURE TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM MAY BE CONSIDERED CAUSE TO REJECT BID AS BEING NON-RESPONSIVE.

Date: March 5, 2020



Chandani Gunasekara
Project Manager
City of Thousand Oaks

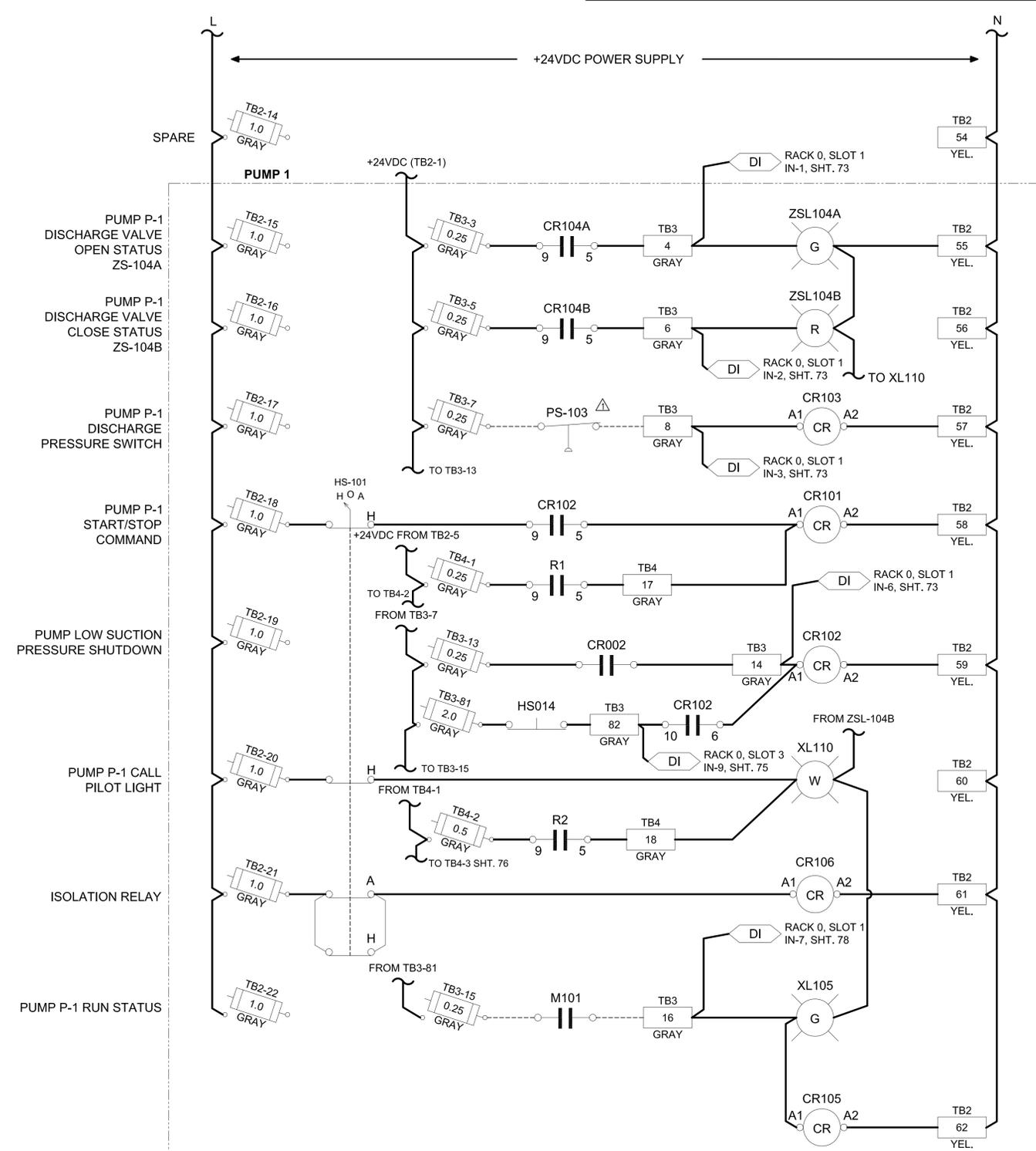
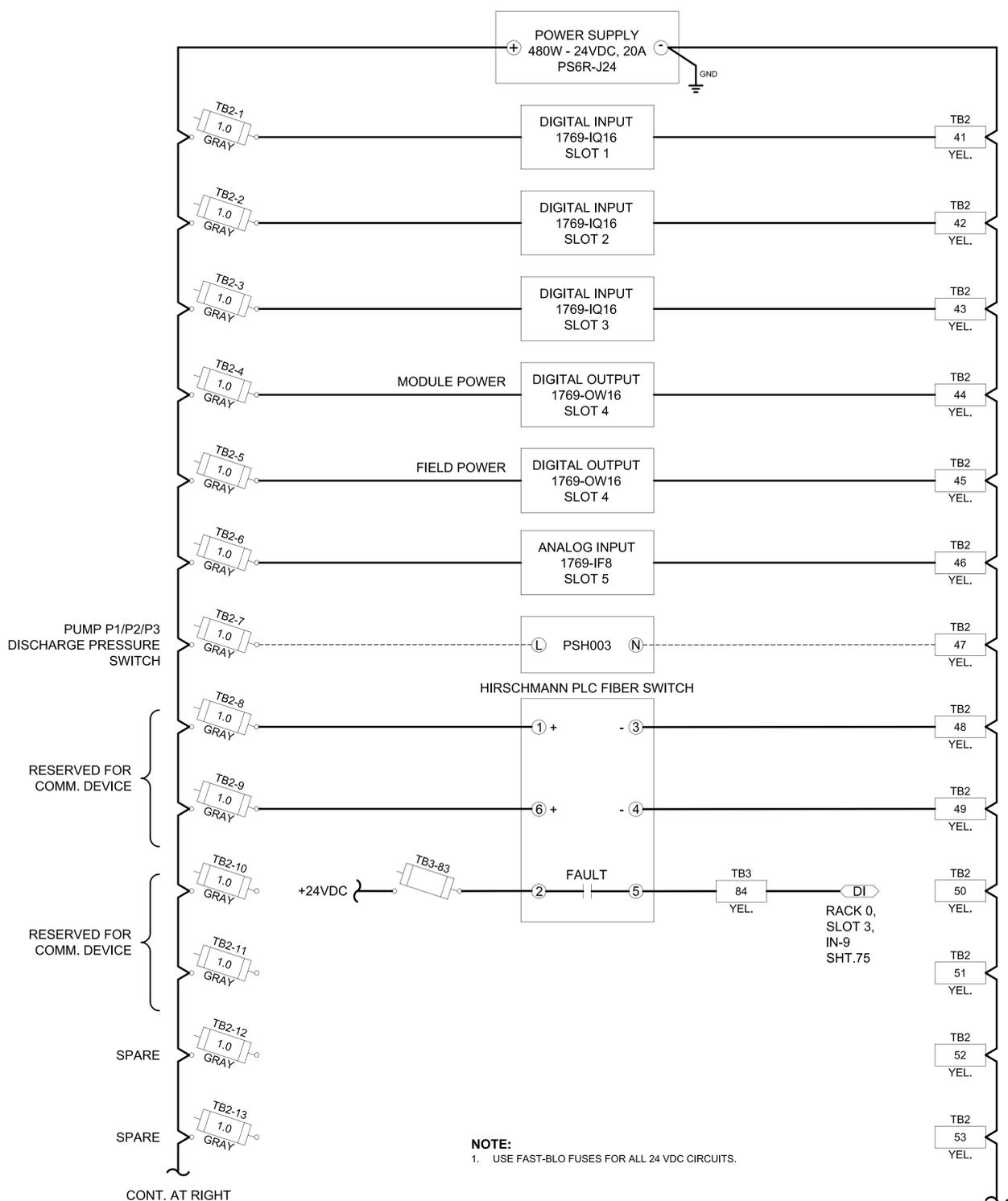
Attachments: Exhibits "A", "B", "C", and "D"



EXHIBIT A

Attachment to ADDENDUM NO. 1

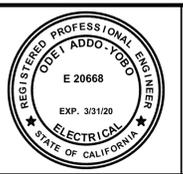
DC POWER DISTRIBUTION



Northern Digital, Inc.
4701 CORPORATE CT, BAKERSFIELD, CA 93311
PROJECT #21169-00



REV	SYMBOL	DESCRIPTION OF CHANGE	R.C.E.	DATE	C.T.O.	DATE	CHECKED
1	▲	PUMP DISCHARGE PRESS. SWITCH POSITION CHANGE FOR ADDENDUM NO. 1	AMS	3/3/20	SS	3/3/20	QAY



PREPARED BY
PERLITER & INGALSBE
CONSULTING ENGINEERS
GLENDALE, CALIFORNIA
TELEPHONE: (818) 500-8921

REGISTERED ENGINEER
DATE: JAN, 2020

CITY OF THOUSAND OAKS

REVIEWED BY: *Cliff G. Finley* 2/3/20
PROJECT ENGINEER DATE

REVIEWED BY: *Cliff G. Finley* 2/3/20
ENGINEERING DIVISION MANAGER DATE

APPROVED BY: *Cliff G. Finley* 2/3/20
CLIFFORD G. FINLEY, CITY ENGINEER DATE

CITY OF THOUSAND OAKS

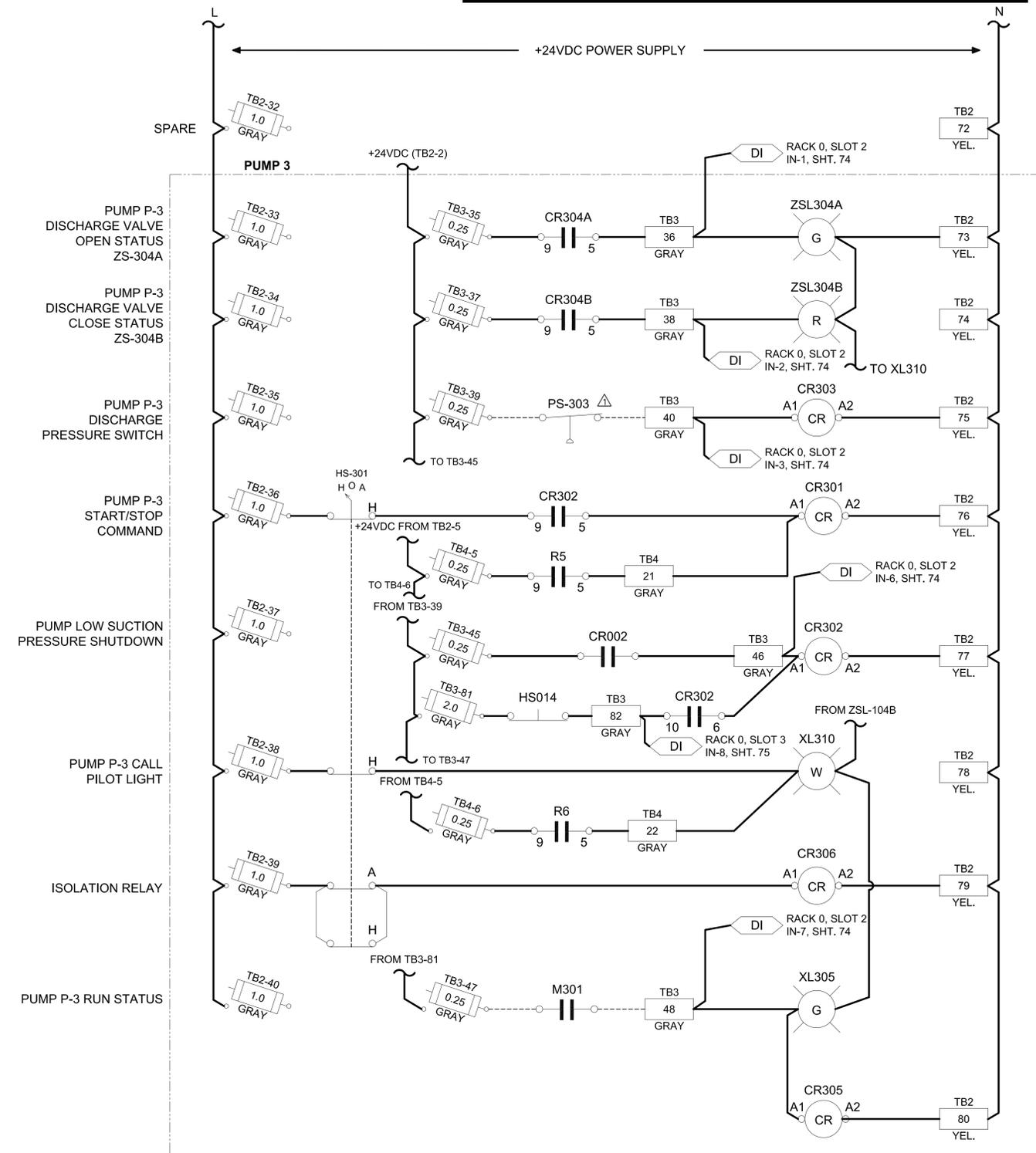
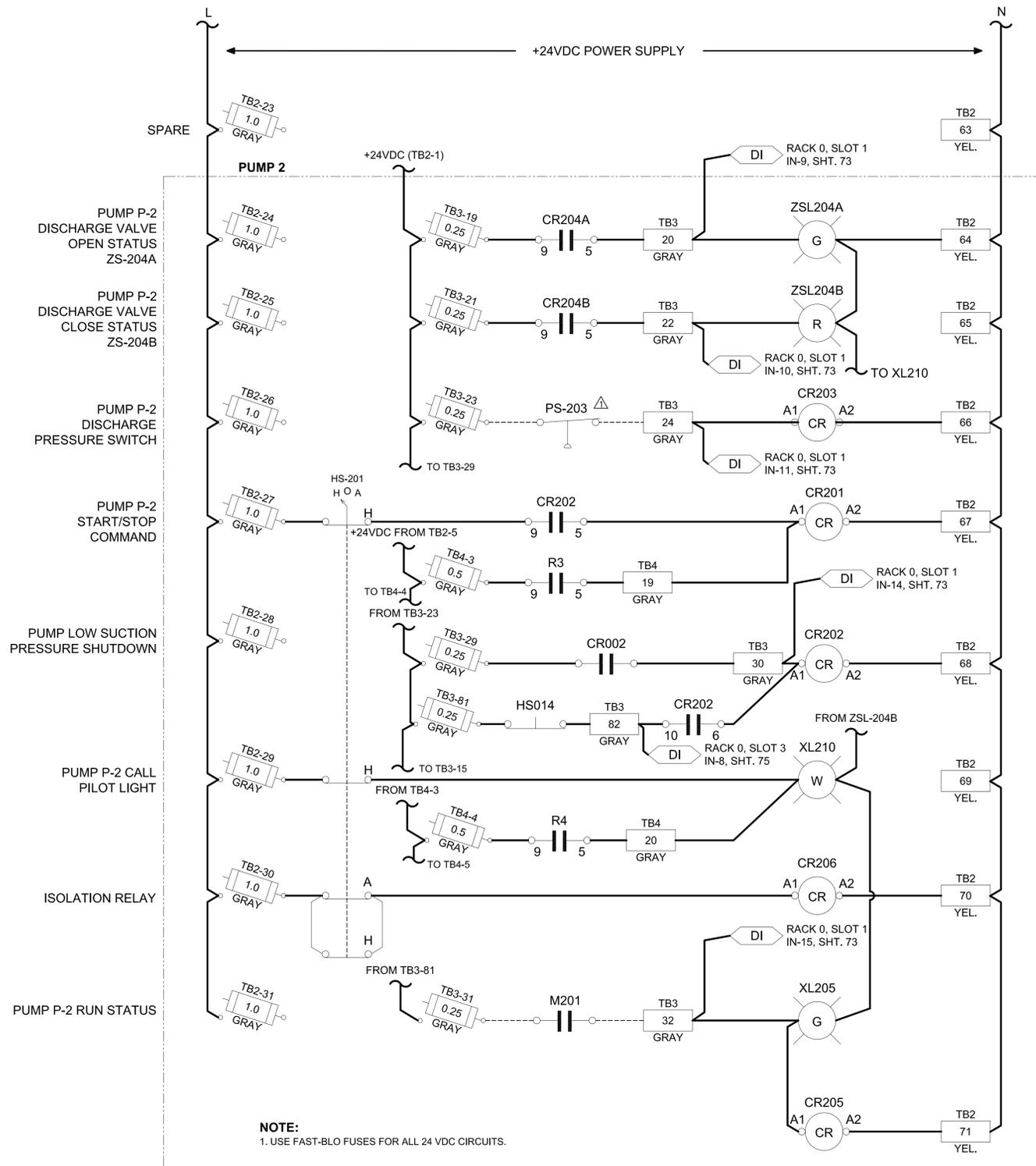
LA GRANADA PUMP STATION
PLC CONTROL PANEL - DC POWER DISTRIBUTION

CITY OF THOUSAND OAKS DWG. 15-04A

SHEET 71 OF 89

DC POWER DISTRIBUTION (CONT.)

EXHIBIT B
Attachment to ADDENDUM NO. 1



NOTE:
1. USE FAST-BLO FUSES FOR ALL 24 VDC CIRCUITS.

LEGEND:
 ——— STARTER OR PANEL WIRING
 - - - - - FIELD WIRING

Northern Digital, Inc.
4701 CORPORATE CT, BAKERSFIELD, CA 93311
PROJECT #21169-00

811
Know what's below.
Call before you dig.
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

CALL 811
AT LEAST TWO DAYS
BEFORE YOU DIG

REV	SYMBOL	DESCRIPTION OF CHANGE	AMS	DATE	SS	DATE	QAY	DATE	CHECKED
1	▲	PUMP DISCHARGE PRESS. SWITCH POSITION CHANGE FOR ADDENDUM NO. 1	AMS	3/3/20	SS	3/3/20			

DATE 04/2019
NC
DESIGNED
DATE 04/2019
MB
DRAFTED BY
DATE 04/2019
OAY
CHECKED

PREPARED BY
PERLITER & INGALSBE
CONSULTING ENGINEERS
GLENDALE, CALIFORNIA
TELEPHONE: (818) 500-8921

REGISTERED ENGINEER
DATE JAN, 2020

CITY OF THOUSAND OAKS
REVIEWED BY: *[Signature]* 2/3/20
PROJECT ENGINEER DATE
REVIEWED BY: *[Signature]* 2/3/20
ENGINEERING DIVISION MANAGER DATE
APPROVED BY: *[Signature]* 2/3/20
CLIFFORD G. FINLEY, CITY ENGINEER DATE

CITY OF THOUSAND OAKS
LA GRANADA PUMP STATION
PLC CONTROL PANEL - DC POWER DISTRIBUTION (CONT.)
CITY OF THOUSAND OAKS DWG. 15-04A
SHEET 72 OF 89

SECTION 16 25 00

LIGHTING SYSTEM

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment and incidentals required for a complete lighting system. Install materials, equipment and incidentals to result in a fully functional and operational lighting system as specified in the Contract Documents.

1.02 RELATED WORK

- A. Lighting fixture schedules are included on the Drawings.
- B. Electrical and Communication Poles are included in Section 02 58 00.
- C. Electrical General Provisions are included in Section 16 00 00.
- D. Wiring Devices are included in Section 16 14 10.

1.03 SUBMITTALS

- A. Submittals shall include those set forth in Sections 01 32 19 and 16 00 00.
- B. In addition, the submittals shall contain the following product information as a minimum:
 - 1. Fixtures: Manufacturer, model number, materials of construction, finish type and color, total fixture wattage, mounting hardware. Provide full photometric data files. File shall include (minimally) luminous intensity and flux, wattage, and color metrics.
 - 2. Driver: Manufacturer, model number, total harmonic distortion, crest factor, external wiring diagram, power factor.
 - 3. Lamps: Manufacturer, model number, wattage, color rendition index, lumen output.

4. Fixtures Mounting System: Materials, details and procedures for mounting each type of fixture on masonry or concrete walls, poles, structural steel members, wooden members, as applicable.

5. Lighting schedule showing type of light fixture and location.

1.04 REFERENCE STANDARDS

- A. All lighting fixtures shall be in accordance with the National Electrical Code (NEC) and shall be constructed in accordance with the latest edition of the Underwriters Laboratories "Standards for Safety, Electric Lighting Fixtures." All lighting fixtures shall be UL listed and labeled.
- B. Drivers and lamps shall meet the latest edition of UL Standards for Electric Lighting Fixtures and other applicable NEMA and ANSI standards.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Lighting Fixtures

- 1. Lighting fixture types shall be furnished as required by the "Light Fixture Schedule" on the Drawings. Equivalent designs and equal quality fixtures of other manufacturers will be acceptable upon acceptance by the Engineer.
- 2. Unless otherwise specified, housing for all wall mount fixtures shall be aluminum with dark bronze powder coating.
- 3. Unless otherwise specified, housing for all ceiling mount fixtures shall be white fiberglass.
- 4. Fixtures shall be UL certified for use in a dry or damp location.

B. Lamps

- 1. Lamps shall be LED type and as noted on the Drawings.
- 2. Lamps shall have an expected life of 100,000 hours with <1% failure rate.
- 3. Lamps shall be UL certified for use in a dry or damp location.
- 4. Lamps shall be as manufactured by Lithonia or equal.

C. Driver

1. LED driver shall be installed in an electrical enclosure.
2. Wiring inside enclosure shall comply 600V/105 degrees rating or higher.
3. LED driver shall comply with UL standard UL1012.
4. LED driver shall have Class A sound rating.
5. LED driver shall be UL certified for use in a dry or damp location.
6. LED driver shall tolerate sustained open circuit and short circuit output conditions without damage.
7. LED driver shall comply with the requirements of the FCC rules and regulations, Title 47 CFR Part 15 Non-Consumer (Class A).

D. Fixture Supports

1. Fixture supports shall be as recommended by the manufacturer.
2. Provide flexible hangers, hook hangers, wires, steel tubing, channels, clamps, brackets, conduit, hooks, anchors, and hardware as required to install fixtures. Threaded rod shall not be used.
3. All wires, anchors, and hardware shall be stainless steel.
4. Finish of hangers shall be the same as fixture.
5. All steel tubing, channels, clamps, brackets, conduit, etc. shall be stainless steel.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Each fixture shall be a completely finished unit with all components, mounting and/or hanging devices necessary for the proper installation of the particular fixture in its designated location and shall be completely wired ready for connection to the branch circuit wires at the outlet.
- B. Fixture mounting shall be in accordance with the manufacture's written instructions and approved shop drawings.

- C. Flexible fixture hangers shall be used for all pendant-mount fixtures. Fixtures two feet long and larger shall be supported with a minimum of two fixture hangers. Pendant fixtures shall be supported from threaded rigid conduit. Set-bolt trunnions alone shall not be permitted on suspended fixtures. The use of threaded rods is not acceptable. Install required support members, including stainless steel tubing, brackets, channels, posts, hardware etc., to properly install fixture at designated location.
- D. Install separate grounding conductor connected to a ground bushing or lug in the outlet box.
- E. Fixture locations are shown on the Drawings in approximate locations; however, exact locations shall be coordinated with the Owner to avoid conflicts with equipment and other obstacles.
- F. Anchor bolts diameter and length shall be as recommended by the manufacturer.
- G. Aim and adjust luminaires to provide illumination levels and distribution indicated on the Drawings and as approved by the Owner in field.

3.02 CLEANING UP

- A. All fixtures shall be left in a clean condition, free of dirt and defects, before acceptance by the Owner.

END OF SECTION

SECTION 16 30 00
UNDERGROUND SYSTEM

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all materials, labor, equipment and incidentals required and install a complete underground system of raceways, manholes, and appurtenances as shown on the Drawings, as specified herein, and as necessary to complete the Work.

1.02 RELATED WORK

- A. Trenching and surface restoration shall be as specified in Division 2.
- B. Concrete Work is included in Section 03 30 00.
- C. General Electrical Requirements are included in Section 16 00 00.
- D. Raceway duct (conduit) is specified in Section 16 11 00.
- E. Wires and Cables are included in Section 16 12 00.
- F. Grounding System is included in Section 16 70 00.
- G. Pull boxes, pads, conduits, manholes, and duct banks for SCE equipment and service lines shall be provided as shown on the Drawings and as required by SCE.

1.03 SUBMITTALS

- A. Submit shop drawings and product data, in accordance with Sections 01 32 19 and 16 00 00, for the following:
 - 1. Manholes
 - 2. Manhole frames and covers
 - 3. Pull boxes
 - 4. Pull box frames and covers
 - 5. Conduits
 - 6. Plastic duct spacers, bell ends, and end caps
 - 7. Other items that are to be furnished under this Section

1.04 SYSTEM DESCRIPTION

- A. All below grade raceways that are not inside a below grade structure or encased in the walls, floor or ceiling of a below grade structure shall comply with the requirements of this Section and as shown on the Drawings unless specifically noted otherwise.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Raceway Material: Material shall be in accordance with Section 16 11 00 and as specified below.
 - 1. Raceways for cables run underground shall be Schedule 80 PVC (polyvinyl chloride conduit).
 - 2. Raceway entrance to structures, buildings, vaults, manholes etc. shall be PVC coated steel conduit.
 - 3. Raceway below floor slabs shall be PVC coated steel conduits and fittings.
 - 4. Raceway shall be concrete encased where shown on the drawings.
- B. Pulling-in irons, manhole steps and hardware shall be galvanized steel as manufactured by Line Materials Co. or approved equal.
- C. Manholes and pull boxes shall be precast concrete, heavy-duty type, designed for a Class H-20 wheel load and conform to ASTM C478. Precast units shall be as manufactured by Chase Precast Corp., American Precast Co., or approved equal and constructed to dimensions as shown on the Drawings.
- D. Frames and covers for manholes and pull boxes shall be cast iron, heavy-duty type for Class H-20 wheel loading.
- E. Bell ends, plastic duct spacers, and end caps shall be as manufactured by Carlon or approved equal.
- F. Detectable Warning Tape
 - 1. Warning tape shall be red detectable tape with 2 inches minimum width.
 - 2. Warning tape shall be W.H. Brady Co., Cat. No. 91601 or approved equal.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Trench section for raceway shall be in accordance with the Drawings, unless otherwise noted.
- B. Where indicated on the Drawings, trench backfill shall be cement-sand slurry.
- C. For SCE conduits, trench backfill shall be cement-sand slurry.
- D. Raceways between manholes shall drain toward the manholes. Raceway slopes shall not be less than 3 inches per 100 feet.
- E. For raceway boxes, use plastic spacers located not more than 4 feet apart to hold raceways in place. Use spacers to provide not less than 2-inch clearance between raceways.
- F. The minimum cover for raceway banks shall be as shown on the Drawings and as required by SCE for SCE conduits.
- G. Make raceway entrances to structures, vaults and manholes with PVC coated steel conduit not less than 10 feet long. Conduits run below floor slabs shall be PVC coated steel conduit and fittings.
- H. Perform bends in raceways as follows:
 - 1. Except at conduit risers, accomplish changes in direction of duct runs exceeding a total of 10 degrees, either vertical or horizontal, by long utility duct sweep bends having a minimum radius of curvature of 12-1/2 feet; utility duct sweep bends may be made up of one or more curved or straight sections or combinations thereof.
 - 2. At conduit risers, use manufactured bends having minimum radius of 36 inches for ducts 3 inches and 4 inches and of 48 inches for ducts 5 inches or larger.
 - 3. Service riser and sweeps for SCE conduits shall be in accordance with the requirements of SCE.
 - 4. Service riser and sweeps for communication conduits shall be in accordance with the requirements of communication utility company.
- I. Swab all raceways clean and then mandrel conduit $\geq 1"$ I.D. in presence of the Owner before installing cable.
- J. Plug or cap spare raceways and seal them watertight at all manholes and structures using approved caps or plugs. Duct tape shall not be allowed.

- K. Following installation of cables, thoroughly seal the ends of raceways with removable silicone caulking material and make watertight at all manholes and structures.
- L. Install pulling-in irons opposite all raceway entrance manholes.
- M. Train cables in manholes and support and restrain them on racks. Furnish inserts on all manhole walls for mounting future racks as well as racks required for present installation.
- N. Construct ducts and duct banks to enter the structures at right angles to walls.
- O. During construction, protect partially completed duct or conduit lines from the entrance of debris such as mud, sand, and dirt by means of suitable plugs. Any type of tape for sealing conduit ends shall not be acceptable. As each section of a line is completed from manhole or vault to manhole or vault, swab conduit and then draw a testing mandrel not less than 6 inches long with a diameter ¼-inch less than the size of the diameter of the duct or conduit, and having stiff bristles through until the duct or conduit is clear of all particles of earth, sand and gravel; then immediately install conduit plugs.
- P. Provide continuous, non-spliced 1/4" minimum nylon pull rope in each spare conduit. Provide at least 3 feet of extra rope at each end.
- Q. A minimum separation of 12 inches shall be maintained between parallel runs of power level (480 volts) and instrumentation level (4-20 mA DC power signals, communications, 120 volt and lower control circuits, etc.) ducts.
- R. Installation of SCE underground system components shall be performed in accordance with the requirements of SCE and as approved by the Owner.

3.02 PRECAST MANHOLE AND PULL BOX INSTALLATION

- A. Set each commercial precast assembly on 6 inches, 95 percent compacted aggregate base, extending 12 inches beyond the manhole on each side. Locate and place the frames and covers to within 1/8-inch vertical elevation all around in paved areas and to ½-inch in other areas.

3.03 FIELD PAINTING

- A. Cast-iron frames and covers shall be cleaned to remove rust, grease, dirt, and other deleterious materials, and coated with bituminous paint. Steel frames and covers shall be cleaned to remove rust, grease, dirt, and other deleterious materials. Steel surfaces shall be prepared using blasting or wire brush. Immediately after preparation of surfaces, coat surfaces with a pretreatment

coating. As soon as practicable after the pretreatment coating has dried, apply a coat of zinc chromate primer and one coat of synthetic exterior gloss enamel.

3.04 RESTORATION OF SURFACES

- A. Restore paved and unpaved surfaces disturbed during the installation of duct or conduit to their original elevation and condition.

END OF SECTION

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