

- LEGENDS**
- W ..... WATER LINE
  - ⊕ ..... WATER VALVE
  - ⊙ ..... WATER HYDRANT
  - ⊖ ..... SEWER MANHOLE
  - ⊙ ..... PROPOSED TREE
  - ⊙ ..... STREET SIGN
  - ⊙ ..... WATER METER BOX
  - ⊙ ..... GAS VALVE
  - ⊙ ..... GAS METER
  - G ..... GAS LINE
  - ..... PROPOSED PCC
  - ..... PROPOSED COLD MILL AND OVERLAY
  - ..... SLURRY SEAL
  - ..... R/W LINE
  - ⊙ ..... STORMDRAIN MANHOLE
- CONSTRUCTION NOTES**
- 1- PROTECT IN PLACE.
  - 2- COLD MILL 1.5-INCH THICK EXISTING PAVEMENT.
  - 3- CONSTRUCT 1.5-INCH THICK PAVEMENT ARHW-GG-C (PG 64-16).
  - 4- CONSTRUCT SPEED HUMP PER DETAIL ON SHEET 1.
  - 5- REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD. PLAN 113-2.
  - 6- REMOVE EXISTING RAMP/SIDEWALK AND CONSTRUCT PCC CURB RAMP PER SPPWC STD. PLAN 111-5 WITH TRUNCATED DOMES.
  - 7- REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC DRIVEWAY APPROACHES PER SPPWC STD. PLAN 110-2.
  - 8- REMOVE, DISPOSE AND CONSTRUCT PCC 8-INCH CURB AND 24-INCH CUTTER PER SPPWC STD. PLAN 120-2.
  - 9- CONSTRUCT PCC LONGITUDINAL CROSS GUTTER PER SPPWC STD. PLAN 122-2.
  - 10- ADJUST MANHOLE FRAME AND COVER TO GRADE PER SPPWC STD. PLAN 205-2.
  - 11- ADJUST EXISTING WATER/GAS VALVE GAN AND UID OR WATER/GAS METER BOX TO GRADE.
  - 12- CONSTRUCT SLURRY SEAL TYPE 2.
  - 13- RE-ESTABLISH EXISTING STREET MONUMENTATION.

**811**  
Know what's below.  
Call before you dig.

R E V I S I O N S			
NUMBER	DATE	INITIALS	APPROV.

BENCH MARK:

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, RCE 42418

DATE

**CH2M HILL**  
CONSULTING CIVIL ENGINEERS

PLANS PREPARED UNDER THE SUPERVISION OF:

JOAQUIN CERVAANTES, JR., P.E.

DATE: 4/20/2017

DESIGN BY: DC 4/20/2017

DRAWN BY: CA 5/20/2017

CHECKED BY:

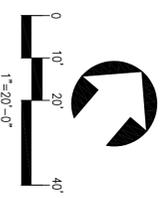
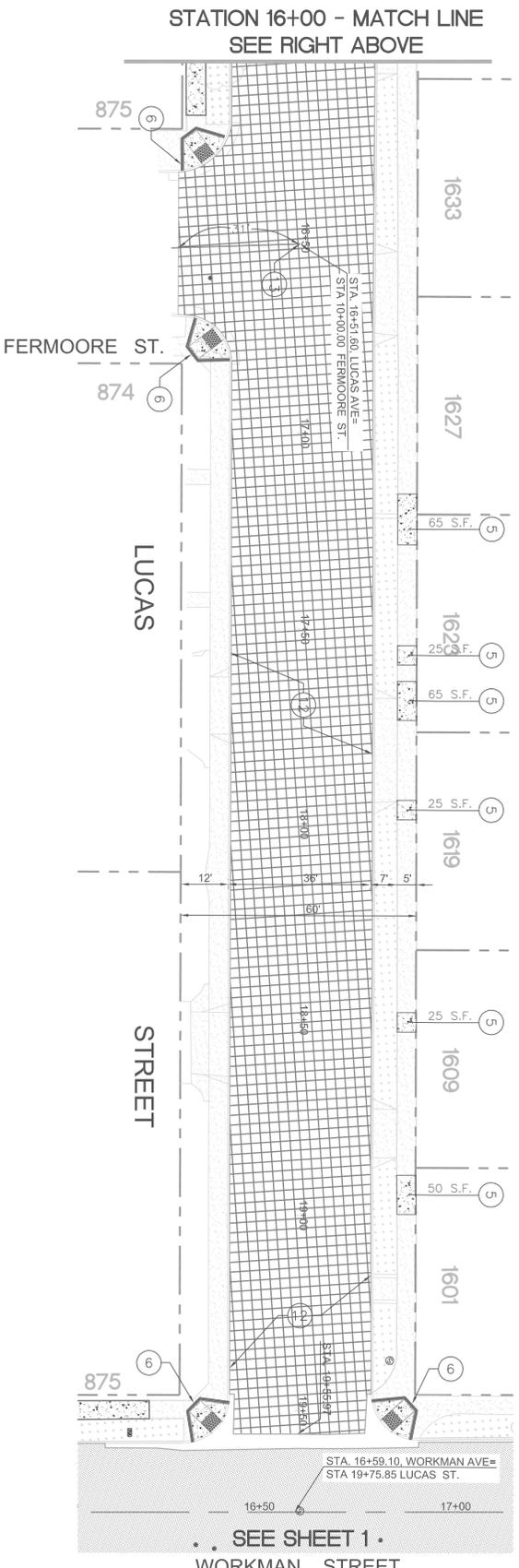
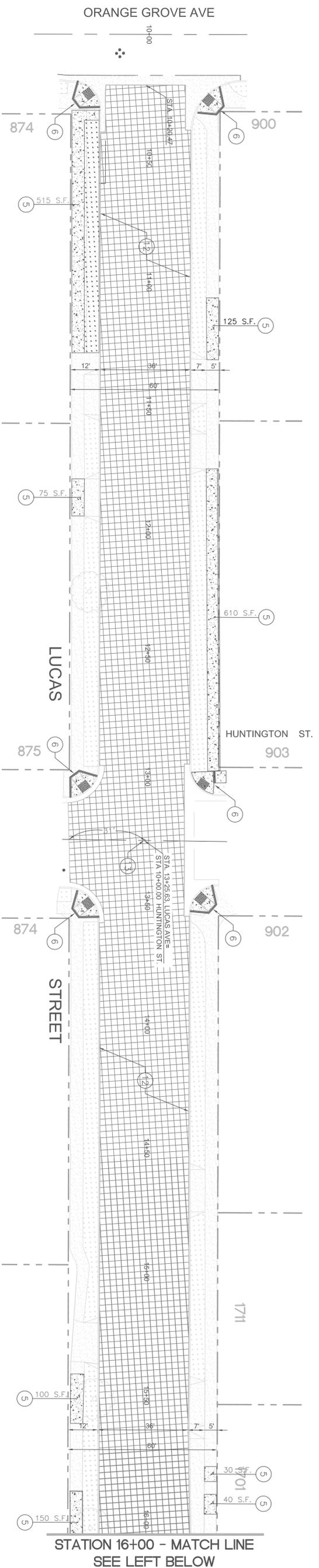
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

WORKMAN STREET  
FROM GLENOAKS BLVD TO 7TH STREET

**CITY OF SAN FERNANDO**

PLAN NO. **P-726**

SHEET **2** OF 22



**LEGENDS**

- W ..... WATER LINE
- ⊕ ..... WATER VALVE
- ⊕ ..... WATER HYDRANT
- ⊕ ..... SEWER MANHOLE
- ⊕ ..... STREET SIGN
- ⊕ ..... PROPOSED TREE
- ⊕ ..... WATER METER BOX
- ⊕ ..... GAS VALVE
- ⊕ ..... GAS METER
- G ..... GAS LINE
- ..... PROPOSED PCC
- ..... PROPOSED COLD MILL AND OVERLAY
- ..... SLURRY SEAL
- ..... RIW LINE
- ..... STORMDRAIN MANHOLE

**CONSTRUCTION NOTES**

- 1—PROTECT IN PLACE.
- 2—COLD MILL 1.5-INCH THICK EXISTING PAVEMENT.
- 3—CONSTRUCT 1.5-INCH THICK PAVEMENT ARHW-GS-C (PG 64-16).
- 4—CONSTRUCT 4-INCH THICK PCC DRIVEWAY.
- 5—REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD. PLAN 113-2.
- 6—REMOVE EXISTING RAMP/SIDEWALK AND CONSTRUCT PCC CURB RAMP PER SPPWC STD. PLAN 111-5 WITH TRUNCATED DOWNS.
- 7—REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC DRIVEWAY APPROACHES PER SPPWC STD. PLAN 110-2.
- 8—REMOVE, DISPOSE AND CONSTRUCT PCC 8-INCH CURB AND 24-INCH GUTTER PER SPPWC STD. PLAN 120-2.
- 9—CONSTRUCT PCC LONGITUDINAL CROSS GUTTER PER SPPWC STD. PLAN 122-2.
- 10—ADJUST MANHOLE FRAME AND COVER TO GRADE PER SPPWC STD. PLAN 205-2.
- 11—ADJUST EXISTING WATER/GAS VALVE CAN AND UID OR WATER/GAS METER BOX TO GRADE.
- 12—CONSTRUCT SLURRY SEAL TYPE 2.
- 13—RE-ESTABLISH EXISTING STREET MONUMENTATION.

**811**  
Know what's below.  
Call before you dig.

R E V I S I O N S			BENCH MARK:
NUMBER	DATE	INITIALS	APP'D.

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, RCE 42418

DATE



Plans Prepared Under the Supervision of:

**CH2**  
CONSULTING CIVIL ENGINEERS

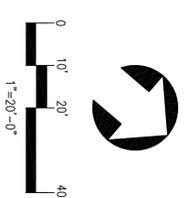
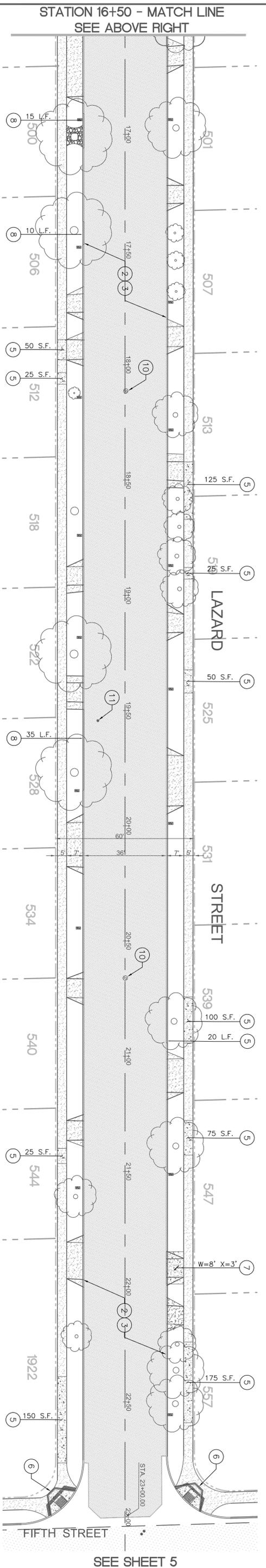
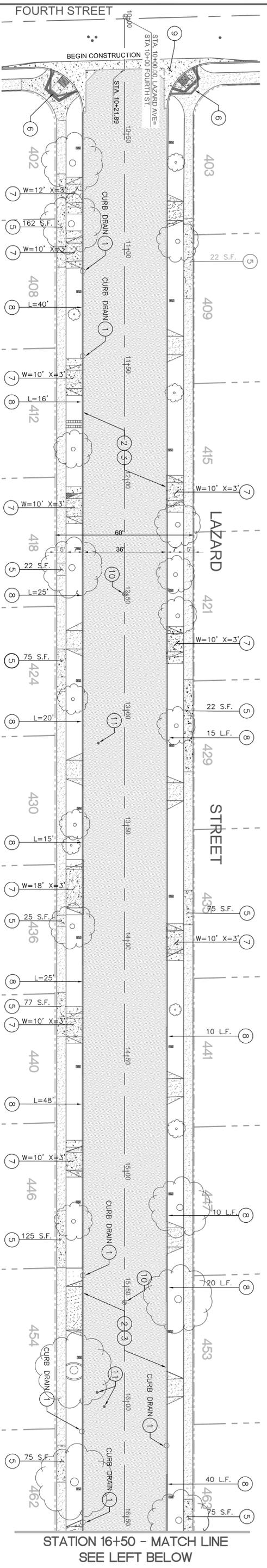
DESIGN BY: JC 4/20/2017  
DRAWN BY: DC 4/20/2017  
CHECKED BY: CA 5/30/2017

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

LUCAS STREET  
FROM ORANGE GROVE AVENUE TO WORKMAN STREET

**CITY OF SAN FERNANDO**

PLAN NO. **P-726**  
SHEET **3** OF 22



**LEGENDS**

W	.....	WATERLINE
⊙	.....	WATER VALVE
⊙	.....	WATER HYDRANT
⊙	.....	SEWER MANHOLE
⊙	.....	STREET SIGN
○	.....	PROPOSED TREE
○	.....	WATER METER BOX
W	.....	GAS VALVE
⊙	.....	GAS METER
G	.....	GAS LINE
⊙	.....	PROPOSED PCC
⊙	.....	PROPOSED COLD MILL AND OVERLAY
⊙	.....	SLURRY SEAL
⊙	.....	R/W LINE
⊙	.....	STORNDRAIN MANHOLE

- CONSTRUCTION NOTES**
- 1—PROTECT IN PLACE.
  - 2—COLD MILL, 1.5-INCH THICK EXISTING PAVEMENT.
  - 3—CONSTRUCT 1.5-INCH THICK PAVEMENT ARHW-GG-C (PG 64-16).
  - 4—CONSTRUCT SPEED HUMP PER DETAIL ON SHEET 1.
  - 5—REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPWC STD. PLAN 113-2.
  - 6—REMOVE EXISTING RAMP/SIDEWALK AND CONSTRUCT PCC CURB RAMP PER SPWC STD. PLAN 111-5 WITH INDICATED DOMES.
  - 7—REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC DRIVEWAY APPROACHES PER SPWC STD. PLAN 110-2.
  - 8—REMOVE, DISPOSE AND CONSTRUCT PCC 8-INCH CURB AND 24-INCH GUTTER PER SPWC STD. PLAN 120-2.
  - 9—CONSTRUCT PCC LONGITUDINAL CROSS GUTTER PER SPWC STD. PLAN 122-2.
  - 10—ADJUST MANHOLE FRAME AND COVER TO GRADE PER SPWC STD. PLAN 205-2.
  - 11—ADJUST EXISTING WATER/GAS VALVE GAN AND LID OR WATER/GAS METER BOX TO GRADE.
  - 12—CONSTRUCT SLURRY SEAL TYPE 2.
  - 13—RE-ESTABLISH EXISTING STREET MONUMENTATION.

**811**  
Know what's below.  
Call before you dig.

**REVISIONS**

NUMBER	DATE	INITIALS	APPRO.

BENCH MARK:

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWANJE, E., CONSULTING CITY ENGINEER, RCE 42418

DATE



Plans Prepared Under the Supervision of:

**CH2M HILL**  
CONSULTING CIVIL ENGINEERS

DESIGN BY: JC 4/20/2017  
DRAWN BY: DC 4/20/2017  
CHECKED BY: CA 5/20/2017

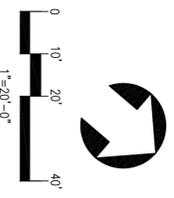
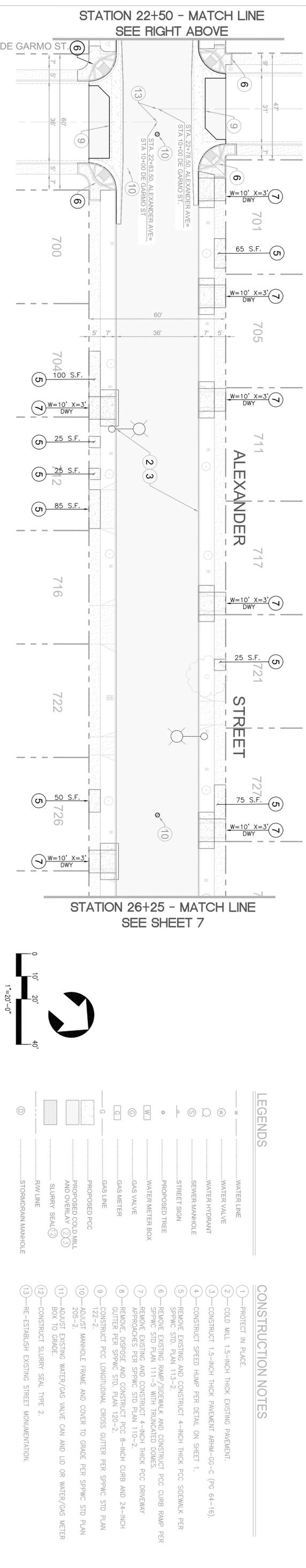
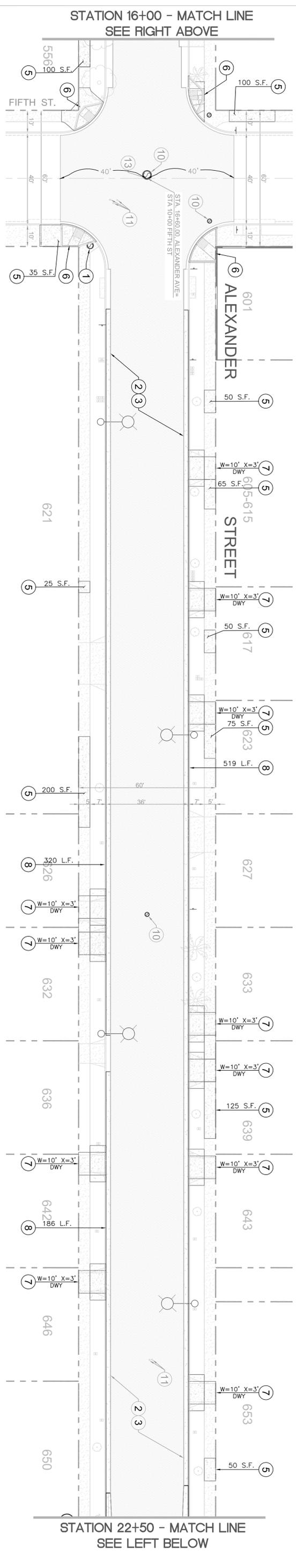
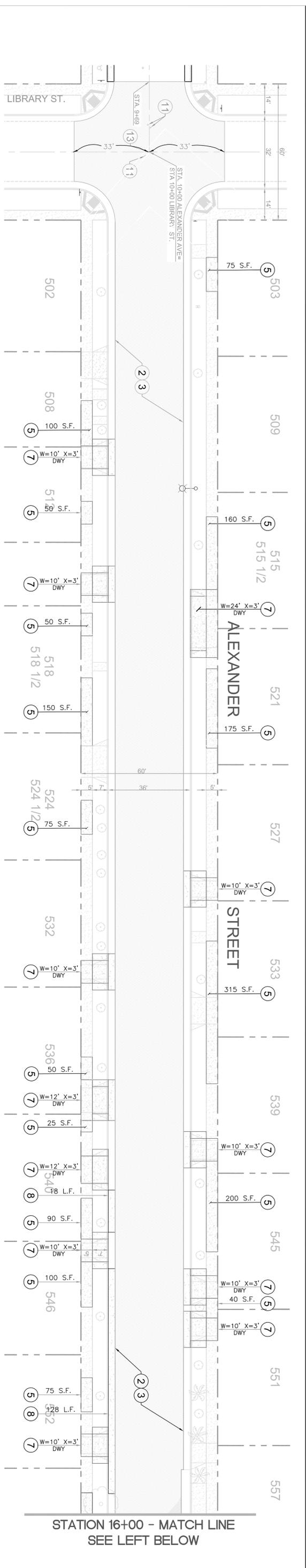
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

LAZARD STREET  
FROM FOURTH STREET TO GLENDOKS BLVD

**CITY OF SAN FERNANDO**

PLAN NO. **P-726**  
SHEET **4** OF 22





- LEGENDS**
- W WATERLINE
  - ⊕ WATER VALVE
  - ⊕ WATER HYDRANT
  - ⊕ SEWER MANHOLE
  - ⊕ STREET SIGN
  - PROPOSED TREE
  - WATER METER BOX
  - ⊕ GAS VALVE
  - ⊕ GAS METER
  - GAS LINE
  - PROPOSED PCC
  - PROPOSED COLD MILL AND OVERLAY (2/3)
  - SLURRY SEAL (2)
  - ROW LINE
  - STORMDRAIN MANHOLE
- CONSTRUCTION NOTES**
- 1- PROTECT IN PLACE.
  - 2- COLD MILL 1.5-INCH THICK EXISTING PAVEMENT.
  - 3- CONSTRUCT 1.5-INCH THICK PAVEMENT ARM-60-C (PG 64-16).
  - 4- CONSTRUCT SPEED HUMP PER DETAIL ON SHEET 1.
  - 5- REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPWIC STD. PLAN 113-2.
  - 6- REMOVE EXISTING RAMP/SPWALK AND CONSTRUCT PCC CURB RAMP PER SPWIC STD. PLAN 111-5 WITH TRUNCATED DOWNS.
  - 7- REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC DRIVEWAY APPROACHES PER SPWIC STD. PLAN 110-2.
  - 8- REMOVE, DISPOSE AND CONSTRUCT PCC 8-INCH CURB AND 24-INCH CUTTER PER SPWIC STD. PLAN 120-2.
  - 9- CONSTRUCT PCC LONGITUDINAL CROSS GUTTER PER SPWIC STD. PLAN 122-2.
  - 10- ADJUST MANHOLE FRAME AND COVER TO GRADE PER SPWIC STD. PLAN 205-2.
  - 11- ADJUST EXISTING WATER/GAS VALVE CAN AND LID OR WATER/GAS METER BOX TO GRADE.
  - 12- CONSTRUCT SLURRY SEAL TYPE 2.
  - 13- RE-ESTABLISH EXISTING STREET MONUMENTATION.

**811**  
Know what's below.  
Call before you dig.

**STATION 22+50 - MATCH LINE**  
SEE RIGHT ABOVE

**STATION 16+00 - MATCH LINE**  
SEE RIGHT ABOVE

**REVISIONS**

NUMBER	DATE	INITIALS	APP'G.

**BENCH MARK:**

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

**REGISTERED PROFESSIONAL ENGINEER**  
YOUNG KWAN P.E., CONSULTING CITY ENGINEER, RCE 42418

**REGISTERED PROFESSIONAL ENGINEER**  
JONACQUIN CERVANTES, JR., P.E.

**Plans Prepared By:**  
**CEI**  
CONSULTING CIVIL ENGINEERS  
18800 AVIATION BLVD., SUITE B113  
VANALYST, CA 91789  
(909) 951-8813 (626) 697-5917 FAX

**PLANS PREPARED UNDER THE SUPERVISION OF:**

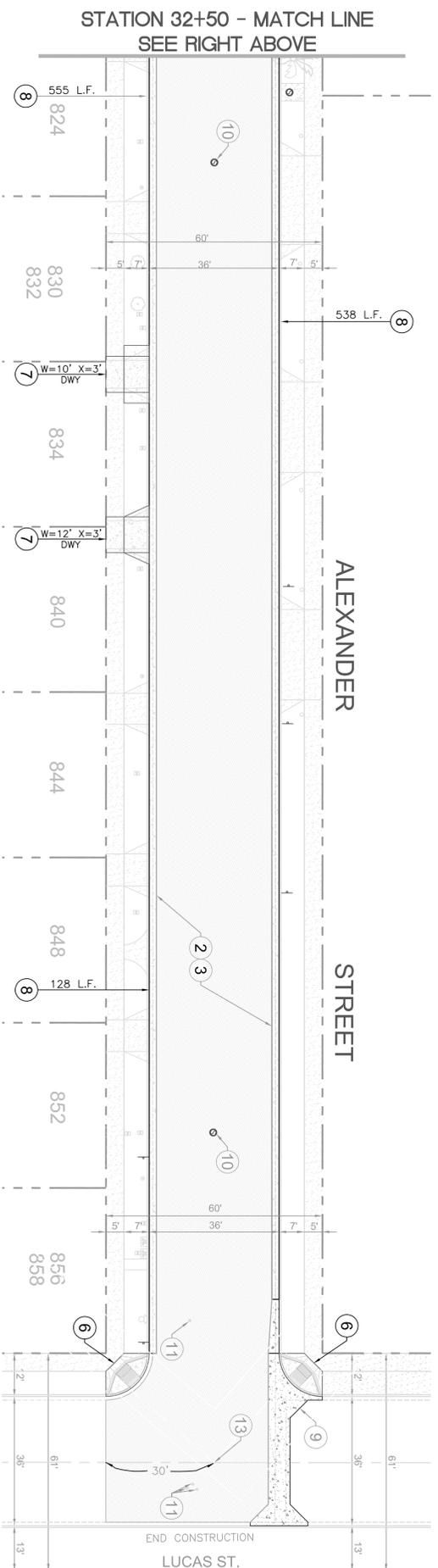
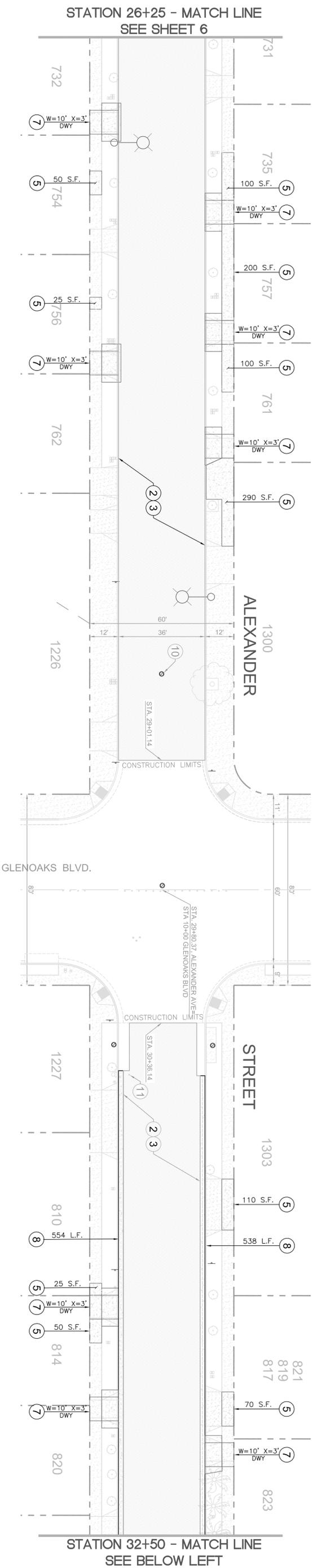
**DATE:** JC 4/20/2017  
**DESIGN BY:** DC 4/20/2017  
**BRNWK BY:** DC 4/20/2017  
**CHECKED BY:** CA 5/30/2017

**2018-2019 ANNUAL STREET RESURFACING PROJECT**  
**ALEXANDER STREET**  
**FROM LIBRARY STREET TO LUCAS STREET**

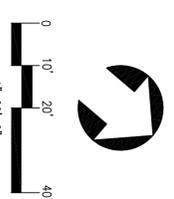
**PLAN NO.**  
**P-726**

**CITY OF SAN FERNANDO**

**SHEET 6 OF 22**



- LEGENDS**
- W — WATERLINE
  - ⑥ — WATER VALVE
  - ⑩ — WATER HYDRANT
  - ⑤ — SEWER MANHOLE
  - ① — PROPOSED TREE
  - — WATER METER BOX
  - ④ — GAS VALVE
  - ⑧ — GAS METER
  - C — GAS LINE
  - PROPOSED PCC
  - PROPOSED COLD MILL AND OVERLAY
  - ② ③ — SLURRY SEAL
  - ⑪ — RAW LINE
  - ⑫ — STORMDRAIN MANHOLE
- CONSTRUCTION NOTES**
- 1— PROTECT IN PLACE.
  - 2— COLD MILL, 1.5-INCH THICK EXISTING PAVEMENT.
  - 3— CONSTRUCT 1.5-INCH THICK PAVEMENT ARHM-60-C (PG 64-10).
  - 4— CONSTRUCT SPEED HUMP PER DETAIL ON SHEET 1.
  - 5— REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD. PLAN 113-2.
  - 6— REMOVE EXISTING RAMP/SIDEWALK AND CONSTRUCT PCC CURB RAMP PER SPPWC STD. PLAN 111-5 WITH TRUNCATED DOKES.
  - 7— REMOVE EXISTING AND CONSTRUCT 4-INCH THICK PCC DRIVEWAY APPROACHES PER SPPWC STD. PLAN 110-2.
  - 8— REMOVE, DISPOSE AND CONSTRUCT PCC 8-INCH CURB AND 24-INCH GUTTER PER SPPWC STD. PLAN 120-2.
  - 9— CONSTRUCT PCC LONGITUDINAL CROSS GUTTER PER SPPWC STD. PLAN 122-2.
  - 10— ADJUST MANHOLE FRAME AND COVER TO GRADE PER SPPWC STD. PLAN 205-2.
  - 11— ADJUST EXISTING WATER/GAS VALVE CAN AND LID OR WATER/GAS METER BOX TO GRADE.
  - 12— CONSTRUCT SLURRY SEAL, TYPE 2.
  - 13— RE-ESTABLISH EXISTING STREET MONUMENTATION.



REVISIONS

NUMBER	DATE	INITIALS	APP'D.

BENCH MARK

THE CITY OF  
**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CIVIL ENGINEER, REG. 42418

DATE



Plans Prepared By: **CEI** CONSULTING CIVIL ENGINEERS  
1800 MARSH SUITE B10  
WALWAT, CA 91789  
(909) 679-0979 (909) 667-8274 FAX

PERSON BY: JG DATE: 4/20/2017  
DRAWN BY: DC DATE: 4/20/2017  
CHECKED BY: CA DATE: 5/20/2017

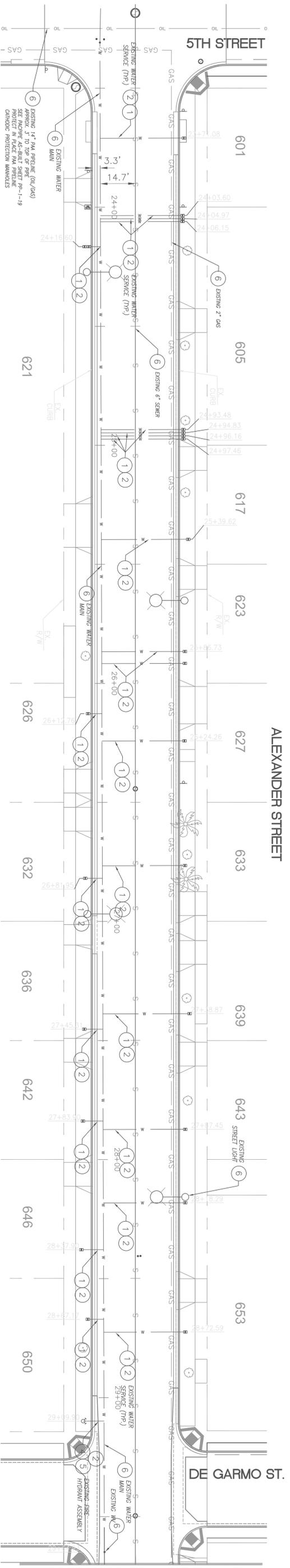
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

ALEXANDER STREET  
FROM LIBRARY STREET TO LUCAS STREET

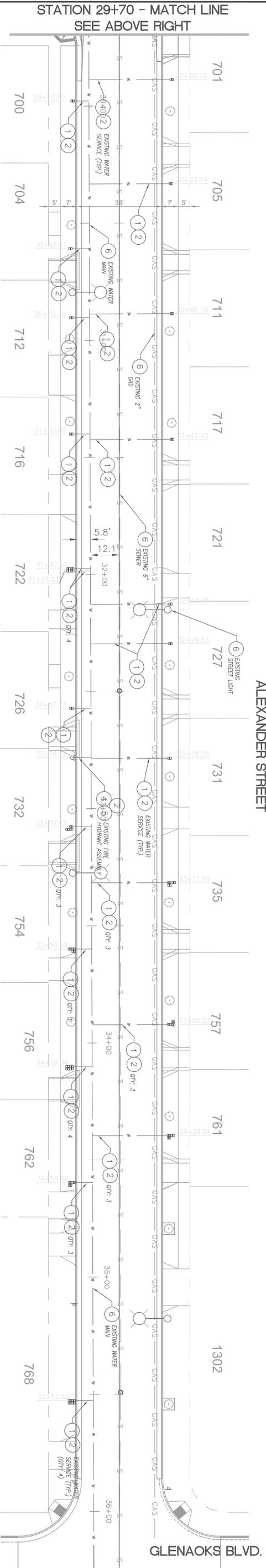
CITY OF SAN FERNANDO

PLAN NO. **P-726**

SHEET 7 OF 22



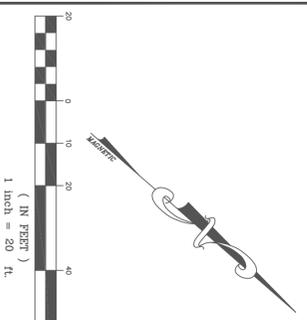
STATION 29+70 - MATCH LINE  
SEE BELOW LEFT



STATION 29+70 - MATCH LINE  
SEE ABOVE RIGHT

- WATER CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING WATER SERVICE & INSTALL 1" WATER SERVICE & METER BOX PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 19 AND PROJECT SPECIFICATIONS. 58" MANHOLE COVER AND PROTECT SPECIFICATIONS.
  - 2 REMOVE EXISTING AND INSTALL 6" RESILIENT WEDGE GATE VALVE PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 8 AND PROJECT SPECIFICATIONS.
  - 3 REMOVE EXISTING & INSTALL FIRE HYDRANT ASSEMBLY PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 11 AND PROJECT SPECIFICATIONS.
  - 4 INSTALL THRUST BLOCK PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 17, 17A, 18 AND 18A.
  - 5 PROTECT IN PLACE

**WATER SERVICE LATERAL REPLACEMENT**

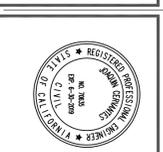


**REVISIONS**

NUMBER	DATE	INITIALS	APP'D.

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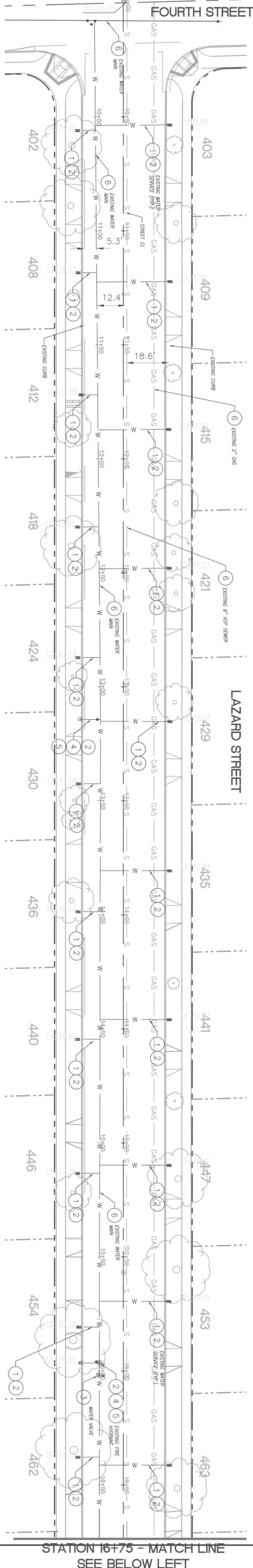
**SAN FERNANDO**  
 PUBLIC WORKS DEPARTMENT  
 YING KWAN P.E., CONSULTING CIVIL ENGINEER, RCE 42418



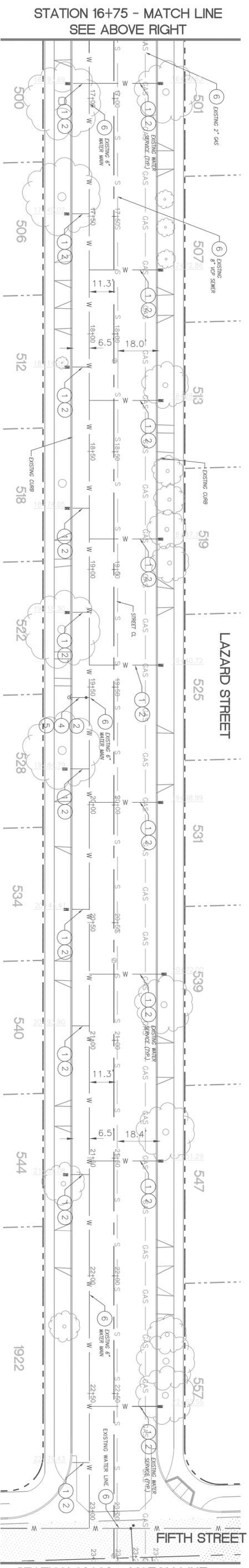
Plans Prepared By: **CEI** CONSULTING CIVIL ENGINEERS  
 CONSULTING CIVIL ENGINEERS  
 10800 AVENUE 108, SUITE 813  
 (909) 967-8873 / (909) 967-8814 FAX  
 DESIGN BY: JC 4/20/2017  
 DRAWN BY: DC 4/20/2017  
 CHECKED BY: CA 5/20/2017  
 PLANS PREPARED UNDER THE SUPERVISION OF:  
 JOAQUIN CERVAANTES, JR., P.E.

**2018-2019 ANNUAL STREET RESURFACING PROJECT**  
 ALEXANDER STREET  
 FROM FIFTH STREET TO GLENAOKS BOULEVARD  
**CITY OF SAN FERNANDO**

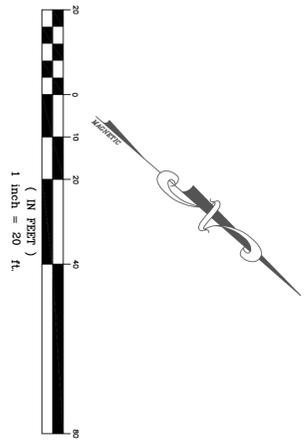
PLAN NO. **P-726**  
 SHEET **8** OF **22**



STATION 16+75 - MATCH LINE  
SEE BELOW LEFT



STATION 23+20 - MATCH LINE  
SEE SHEET 10



- WATER CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING WATER SERVICE & INSTALL 1" WATER SERVICE & METER BOX PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 19 AND PROJECT SPECIFICATIONS. 3/8" MINIMUM COVER.
  - 2 REPLACE AC PAVEMENT, BASE & BACKFILL PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 3 AND PROJECT SPECIFICATIONS.
  - 3 REMOVE EXISTING AND INSTALL 6" RESILIENT WEDGE GATE VALVE PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 8 AND PROJECT SPECIFICATIONS.
  - 4 REMOVE EXISTING & INSTALL FIRE HYDRANT ASSEMBLY PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 11 AND PROJECT SPECIFICATIONS.
  - 5 INSTALL THRUST BLOCK PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 17, 17A, 18 AND 18A.
  - 6 PROTECT IN PLACE

**WATER SERVICE LATERAL REPLACEMENT**

**Know what's below.  
Call before you dig.**

**REVISIONS**

NUMBER	DATE	INITIALS

BENCH MARK: \_\_\_\_\_

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**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, RCE 42418

DATE: \_\_\_\_\_

---

PLANS PREPARED UNDER THE SUPERVISION OF: \_\_\_\_\_ DATE: \_\_\_\_\_

DESIGN BY: DC 4/20/2017  
DRAWN BY: JC 4/20/2017  
CHECKED BY: CA 5/20/2017

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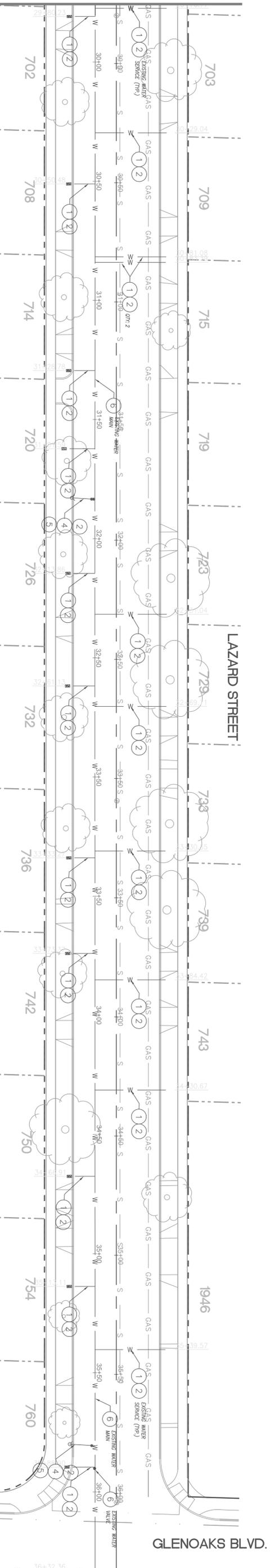
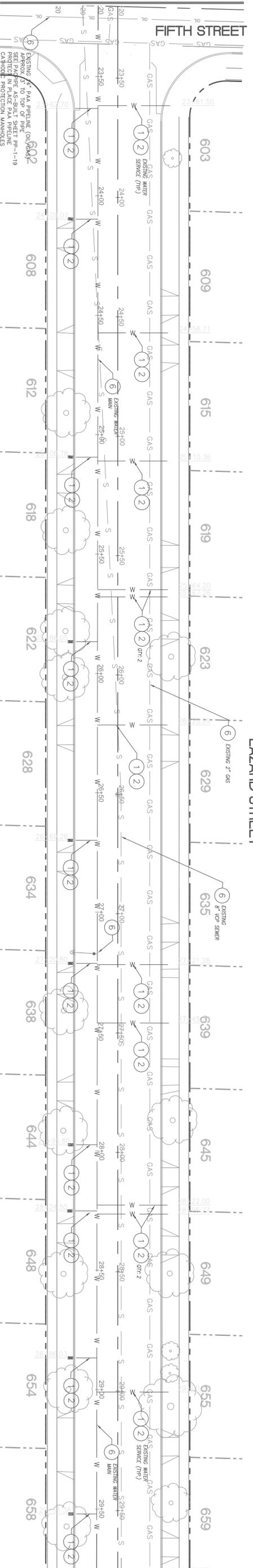
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

LAZARD STREET  
FROM FOURTH STREET TO FIFTH STREET

**CITY OF SAN FERNANDO**

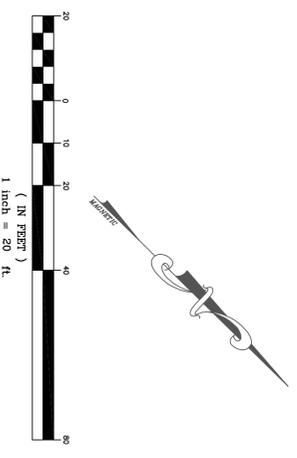
PLAN NO.  
**P-726**

SHEET 9 OF 22



- WATER CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING WATER SERVICE & INSTALL 1" WATER SERVICE & METERS BOX PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 19 AND PROJECT SPECIFICATIONS. 36" MINIMUM COVER.
  - 2 REPLACE AC PAVEMENT, BASE & BACKFILL PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 3 AND PROJECT SPECIFICATIONS.
  - 3 REMOVE EXISTING AND INSTALL 6" RESILIENT WEDGE GATE VALVE PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 8 AND PROJECT SPECIFICATIONS.
  - 4 REMOVE EXISTING & INSTALL FINE HYDRAULIC ASSEMBLY PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 11 AND PROJECT SPECIFICATIONS.
  - 5 INSTALL THRUST BLOCK PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 17, 17A, 18 AND 18A.
  - 6 PROTECT IN PLACE

WATER SERVICE LATERAL REPLACEMENT



**811**  
Know whats below.  
Call before you dig.

REVISIONS			BENCH MARK
NUMBER	DATE	INITIALS	

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, REG. 42418

DATE

**CEJ**  
CONSULTING CIVIL ENGINEERS

1800 MARSHALL SUITE B13  
WALWALT, CA 94788  
(925) 937-8879 / (925) 937-8874 FAX

PLANS PREPARED UNDER THE SUPERVISION OF:  
JOAQUIN CERVANTES, JR., P.E.

DATE: 4/20/2017  
DESIGN BY: BRAM BY  
CHECKED BY: CA 5/20/2017

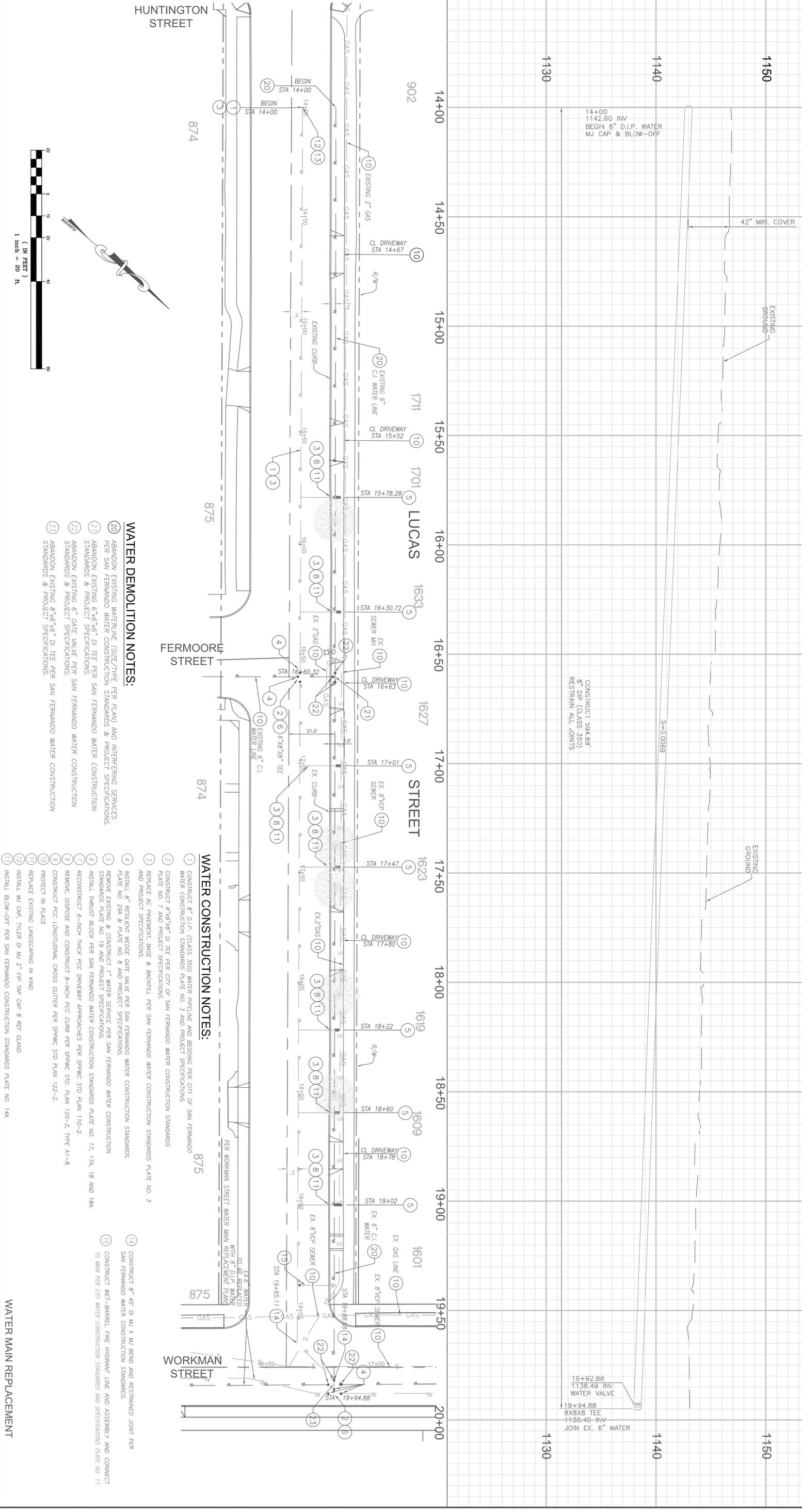
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

LAZARD STREET  
FROM FIFTH STREET TO GLENOAKS BLVD

**P-726**

PLAN NO.  
SHEET 10 OF 22

PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 4'



**WATER DEMOLITION NOTES:**

- 20 ABANDON EXISTING WATERLINE (SIZE/TYPE PER PLAN) AND INTERFERING SERVICES PER SAN FERNANDO WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 21 ABANDON EXISTING 6"x6"x6" DI TEE PER SAN FERNANDO WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 22 ABANDON EXISTING 6" GATE VALVE PER SAN FERNANDO WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 23 ABANDON EXISTING 8"x6"x6" DI TEE PER SAN FERNANDO WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.

**WATER CONSTRUCTION NOTES:**

- 1 CONSTRUCT 8" D.I.P. (CLASS 350) WATER PIPELINE AND BEDDING PER CITY OF SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 3 AND PROJECT SPECIFICATIONS.
- 2 CONSTRUCT 8"x8"x8" DI TEE PER CITY OF SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 7 AND PROJECT SPECIFICATIONS.
- 3 REPLACE AC PAVEMENT, BASE & BACKFILL PER SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 3 AND PROJECT SPECIFICATIONS.
- 4 INSTALL 8" RESILIENT METAL GATE VALVE PER SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 29A AND PLATE NO. 8 AND PROJECT SPECIFICATIONS.
- 5 REMOVE EXISTING & CONSTRUCT 1" WATER SERVICE PER SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 19 AND PROJECT SPECIFICATIONS.
- 6 INSTALL THRUST BLOCK PER SAN FERNANDO WATER CONSTRUCTION STANDARDS PLATE NO. 17, 17A, 18 AND 18A.
- 7 RECONSTRUCT 6-INCH THICK RCC DRIVEWAY APPROACHES PER SPWAC STD PLAN 110-2.
- 8 REMOVE, DISPOSE AND CONSTRUCT 8-INCH FCC CURB PER SPWAC STD. PLAN 120-2, TYPE A1-8.
- 9 CONSTRUCT RCC LONGITUDINAL CROSS GUTTER PER SPWAC STD PLAN 122-2.
- 10 PROTECT IN PLACE
- 11 REFURGE EXISTING LANDSCAPING IN KIND
- 12 INSTALL MW CAP, TYLER DI MW 2" FP TAP CAP & REF GLAND
- 13 INSTALL BLOW-OFF PER SAN FERNANDO CONSTRUCTION STANDARDS PLATE NO. 14A
- 14 CONSTRUCT 8" 45' DI MW X MW BEND AND RESTRAINED JOINT PER SAN FERNANDO WATER CONSTRUCTION STANDARDS.
- 15 CONSTRUCT WET-BARREL FIRE HYDRANT LINE AND ASSEMBLY AND CONNECT TO MAIN PER CITY WATER CONSTRUCTION STANDARDS AND SPECIFICATIONS PLATE NO. 11.

WATER MAIN REPLACEMENT



**811**  
Know what's below.  
Call before you dig.

NUMBER	DATE	INITIALS	APPROV

REVISIONS

BENCH MARK:

---

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, REC 42418

DATE

PLANS PREPARED UNDER THE SUPERVISION OF:

**CH2**  
CONSULTING CIVIL ENGINEERS  
1800 AVENUE NO. 3, SUITE 815  
ORANGE, CA 92668  
(951) 961-0873 / (951) 961-0719 FAX

DESIGN BY: JC 4/20/2017  
 DRAWN BY: DC 4/20/2017  
 CHECKED BY: CA 5/30/2017

---

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

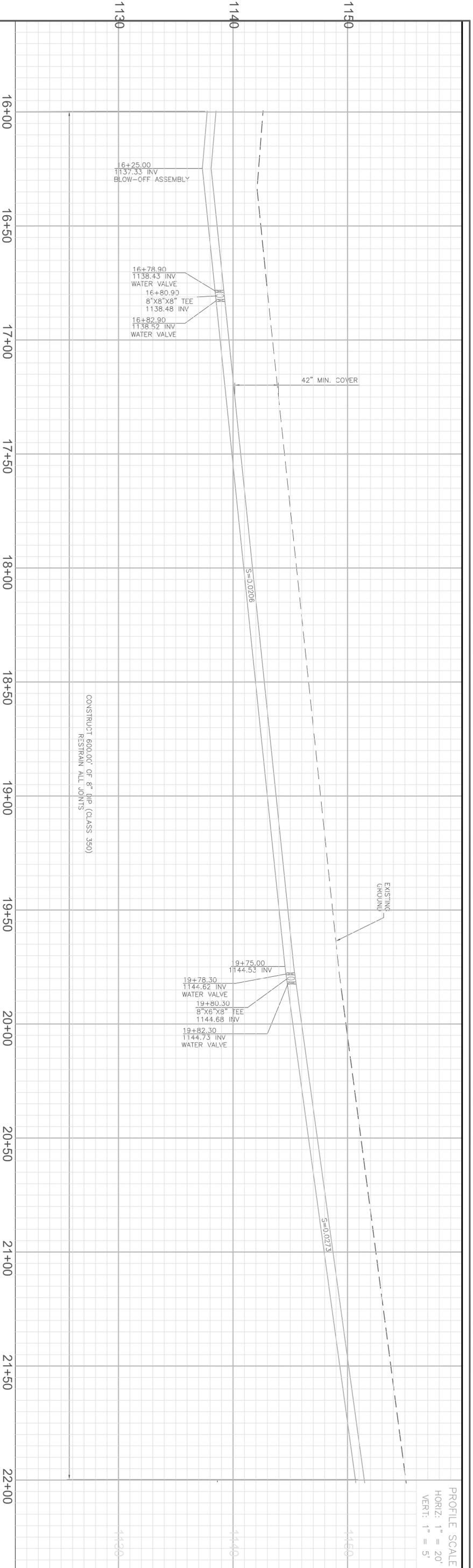
LUCAS STREET  
 FROM ORANGE GROVE AVENUE TO WORKMAN STREET

**CITY OF SAN FERNANDO**

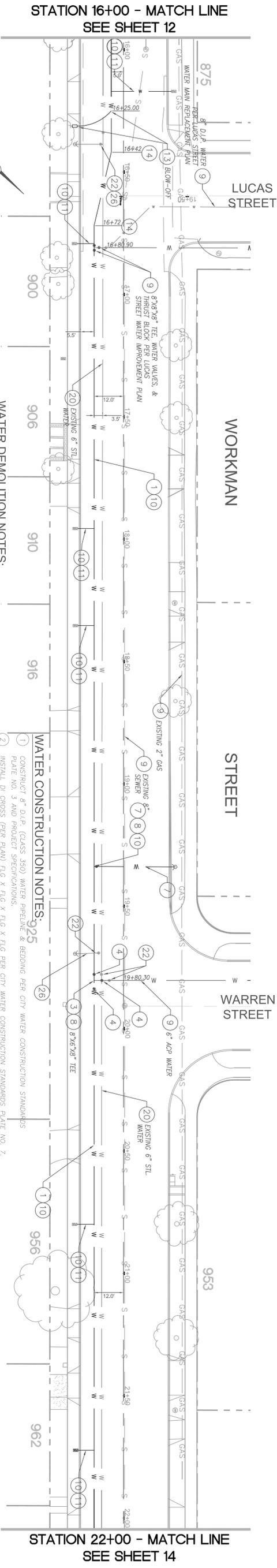
PLAN NO.  
**P-726**

SHEET 11 OF 22





PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 5'



STATION 16+00 - MATCH LINE  
 SEE SHEET 12

STATION 22+00 - MATCH LINE  
 SEE SHEET 14

**WATER DEMOLITION NOTES:**

- 20 ABANDON EXISTING WATERLINE (SIZE/TYP PER PLAN) AND INTERFERING SERVICES PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 21 ABANDON EXISTING 8"x8"x8" DI TEE PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 22 ABANDON EXISTING 6" GATE VALVE PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 23 ABANDON EXISTING 8"x6"x6" DI TEE PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 24 REMOVE EXISTING DI CROSS PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 25 ABANDON EXISTING 8" GATE VALVE PER CITY WATER CONSTRUCTION STANDARDS & PROJECT SPECIFICATIONS.
- 26 REMOVE EXISTING HYDRANT AND SALVAGE TO THE CITY.

**WATER CONSTRUCTION NOTES:**

- 1 CONSTRUCT 8" D.I.P. (CLASS 350) WATER PRELINE & BEDDING PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 3 AND PROJECT SPECIFICATIONS.
- 2 INSTALL DI CROSS (PER PLAN) FLG X FLG X FLG PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 7.
- 3 INSTALL DI TEE (PER PLAN) FLG X FLG X FLG PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 7.
- 4 INSTALL 8" GATE VALVE FLG X MU PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 29A & PLATE NO. 8.
- 5 INSTALL 8"x6"x6" DI FLG X FLG X FLG TEE PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 7.
- 6 INSTALL 6" GATE VALVE FLG X MU PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 29A & PLATE NO. 8.
- 7 CONSTRUCT FIRE HYDRANT LINE AND ASSEMBLY AND CONNECT TO MAIN PER CITY WATER CONSTRUCTION STANDARDS AND SPECIFICATIONS PLATE NO. 11.
- 8 INSTALL THRUST BLOCK PER CITY STANDARDS AND SPECIFICATIONS PLATE NO. 17, 17A, 18 AND 18A.
- 9 PROTECT IN PLACE.
- 10 REPLACE AC PAVEMENT, BASE & BACKFILL PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 3 & PROJECT SPECIFICATIONS.
- 11 REMOVE EXISTING WATER SERVICE & INSTALL 1" WATER SERVICE AND METER BOX PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 19 AND PROJECT SPECIFICATIONS. 36" MINIMUM COVER.
- 12 INSTALL AIR AND VACUUM RELEASE VALVE ASSEMBLY PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 14.
- 13 INSTALL BLOW-OFF ASSEMBLY PER CITY WATER CONSTRUCTION STANDARDS PLATE NO. 12.
- 14 CONSTRUCT 8" 22 1/2" DI MU X MU BEND AND RESTRAINED JOINT PER SAN FERNANDO WATER CONSTRUCTION STANDARDS.

**WATER MAIN REPLACEMENT**



**811**  
 Know what's below.  
 Call before you dig.

REVISIONS

NUMBER	DATE	INITIALS	APPROVAL

BENCH MARK:

PUBLIC WORKS DEPARTMENT

YING KWANJIE E., CONSULTING CITY ENGINEER, REG. 12418

DATE

Plans Prepared By:

**CH2M HILL**  
 CONSULTING CIVIL ENGINEERS  
 19800 AVANT RD., SUITE B13  
 IRVINE, CA 92614  
 (949) 261-4144 FAX

DATE: 4/20/2017

DESIGN BY: DC 4/20/2017

DRAWN BY: CA 5/20/2017

CHECKED BY: CA 5/20/2017

PLANS PREPARED UNDER THE SUPERVISION OF: JOAQUIN CERVANTES, JR., P.E.

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

WORKMAN STREET  
 FROM GLENOAKS BLVD TO 7TH STREET

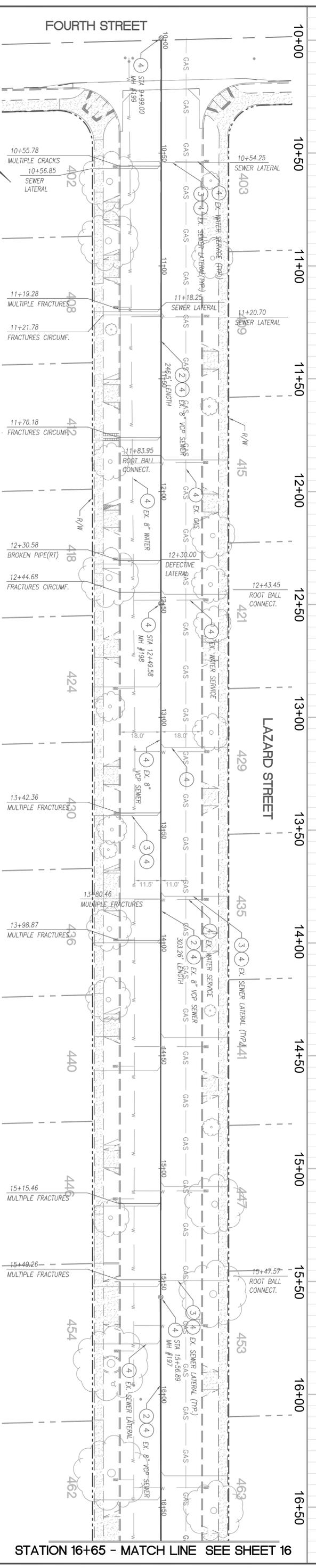
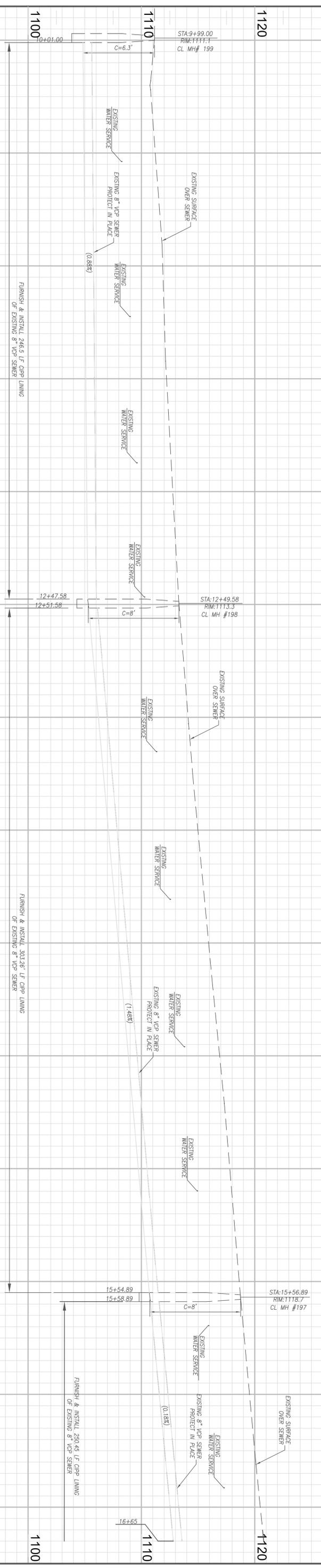
**CITY OF SAN FERNANDO**

PLAN NO. **P-726**

SHEET 13 OF 22

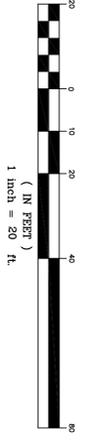


PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 4'



- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CORR LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 RENOVATE EXISTING 6" VCP HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE

**SEWER IMPROVEMENTS**



**811**  
Know what's below.  
Call before you dig.

**REVISIONS**

NUMBER	DATE	REVISIONS	APP'D.

**BENCH MARK:**

---

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YANG KWAN, P.E., CONSULTING CITY ENGINEER, RCE 42418

**REGISTERED PROFESSIONAL ENGINEER**  
 JOAQUIN CERVANTES, JR., P.E.  
 No. 53228  
 State of California

PLANS PREPARED UNDER THE SUPERVISION OF:  
**CEJ CONSULTING CIVIL ENGINEERS**  
 CONSULTING CIVIL ENGINEERS  
 10001 VAN COTT BLVD., SUITE 100  
 VAN COTT, CA 95758  
 (916) 967-4675 (916) 967-6747 FAX

---

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

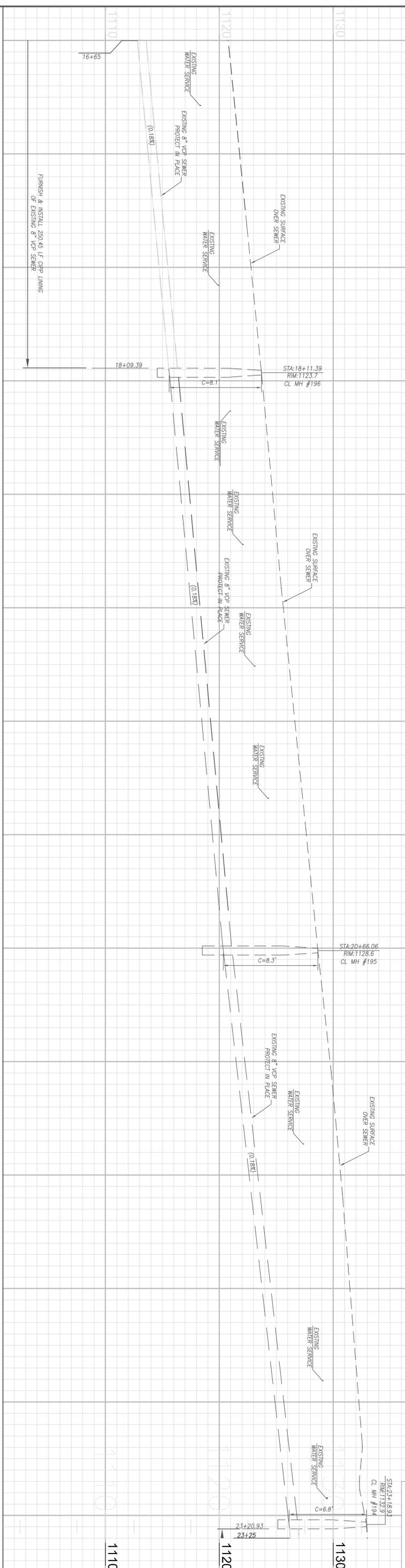
LAZARD STREET  
 FROM FOURTH STREET TO GLENOAKS BOULEVARD

PLAN NO.  
**P-726**

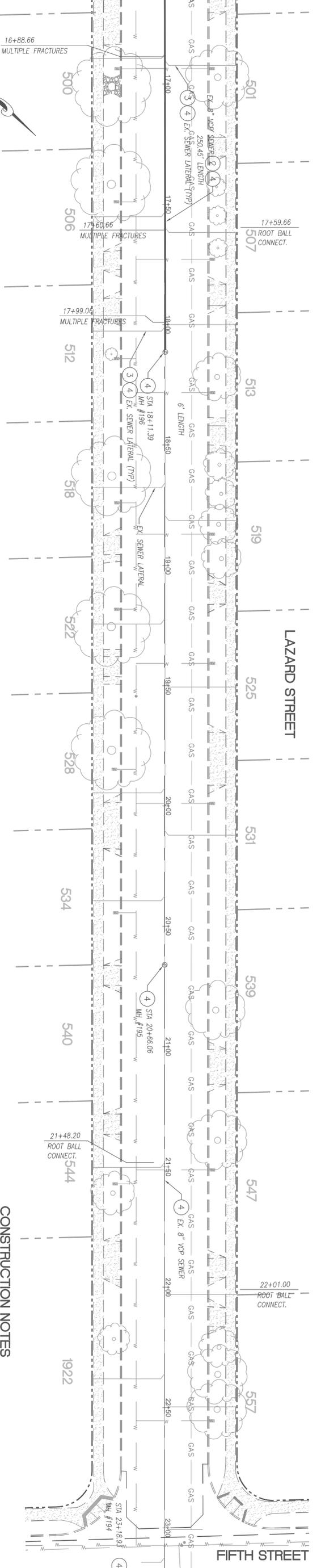
SHEET 15 OF 22

DATE: 4/20/2017  
 DESIGN BY: JC  
 DRAWN BY: DC  
 CHECKED BY: CA

PROFILE SCALE  
 HORZ: 1" = 20'  
 VERT: 1" = 4'



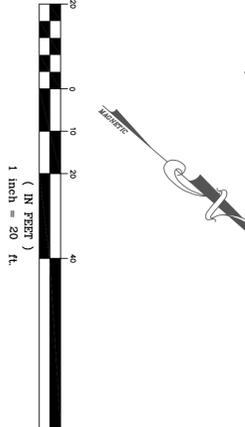
STATION 16+65 - MATCH LINE SEE SHEET 15



STATION 23+25 - MATCHLINE SEE SHEET 17

- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CIPP LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 REINSTATE EXISTING 6" V.C.P. HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE

**SEWER IMPROVEMENTS**



**811**  
 Know what's below.  
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NUMBER	DATE	INITIALS	APPROVAL

REVISIONS

BENCH MARK:

**SAN FERNANDO**  
 PUBLIC WORKS DEPARTMENT

YANG KWAN, P.E., CONSULTING CITY ENGINEER, REG. 42418

DATE: \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING  
 STATE OF CALIFORNIA  
 NO. 42418

PLANS PREPARED UNDER THE SUPERVISION OF:

**CEJ**  
 CONSULTING CIVIL ENGINEERS  
 15001 VAN COTT BLVD., SUITE 100  
 VAN COTT, CA 91789  
 (909) 987-8875 (909) 987-8877 FAX

DESIGN BY: JC 4/29/2017  
 DRAWN BY: DC 4/29/2017  
 CHECKED BY: CA 5/30/2017

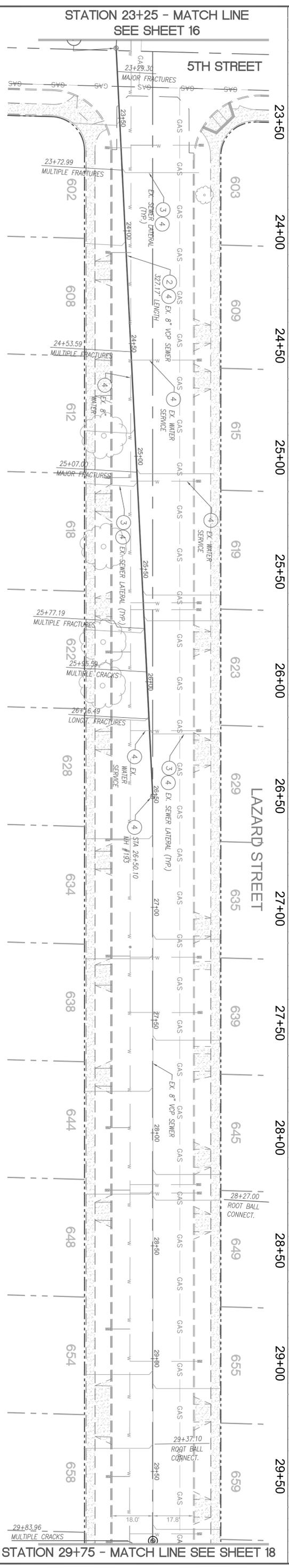
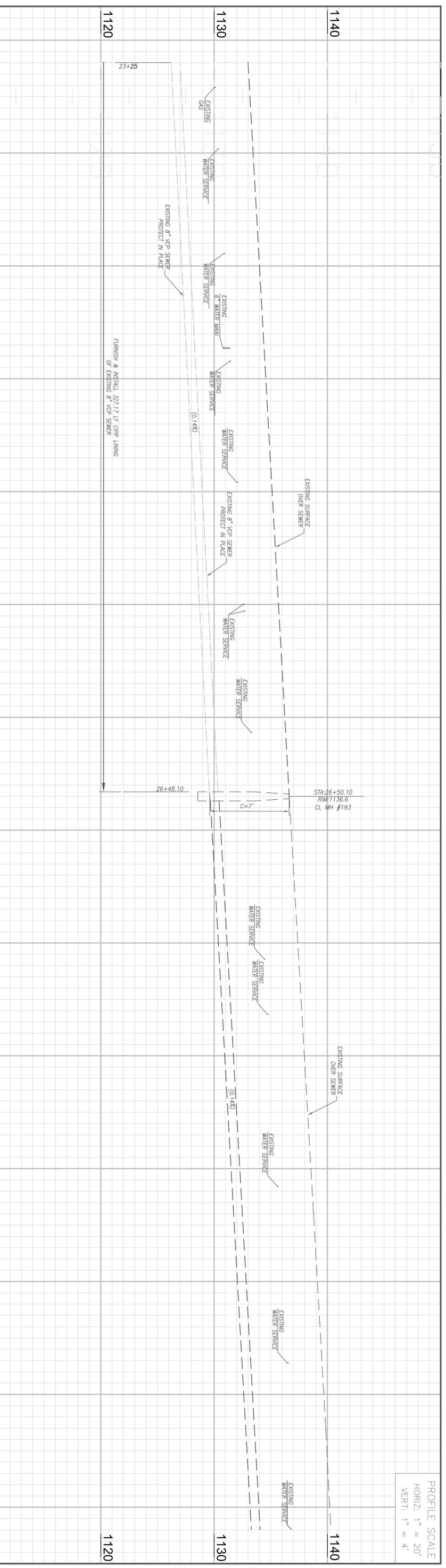
2018-2019 ANNUAL STREET RESURFACING PROJECT

LAZARD STREET  
 FROM FOURTH STREET TO GLENOAKS BOULEVARD

CITY OF SAN FERNANDO

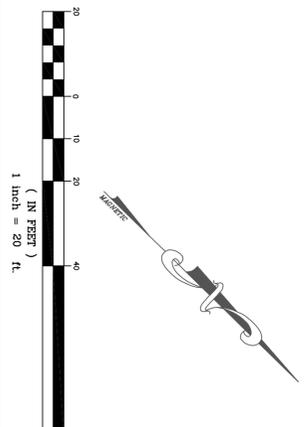
PLAN NO. **P-726**  
 SHEET 16 OF 22

PROFILE SCALE  
 HORIZ.: 1" = 20'  
 VERT.: 1" = 4'



- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CIPP LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 REINSTATE EXISTING 8" VCP HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE

**SEWER IMPROVEMENTS**



**REVISIONS**

NUMBER	DATE	INITIALS	APP'D.

BENCH MARK:

**SAN FERNANDO**  
 PUBLIC WORKS DEPARTMENT

YING KUANG, P.E., CONSULTING CITY ENGINEER, REG. 42418

DATE: \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:

**CEI CONSULTING CIVIL ENGINEERS**  
 CONSULTING CIVIL ENGINEERS  
 1800 MAIN ST., SUITE 113  
 WALKER, CA. 91790  
 (626) 997-9673 (626) 979-6714 FAX

DATE: \_\_\_\_\_

DESIGN BY: JC 4/29/2017  
 DRAWN BY: JC 4/29/2017  
 CHECKED BY: CA 5/20/2017

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

LAZARD STREET  
 FROM FOURTH STREET TO GLENOAKS BOULEVARD

CITY OF SAN FERNANDO

PLAN NO. **P-726**

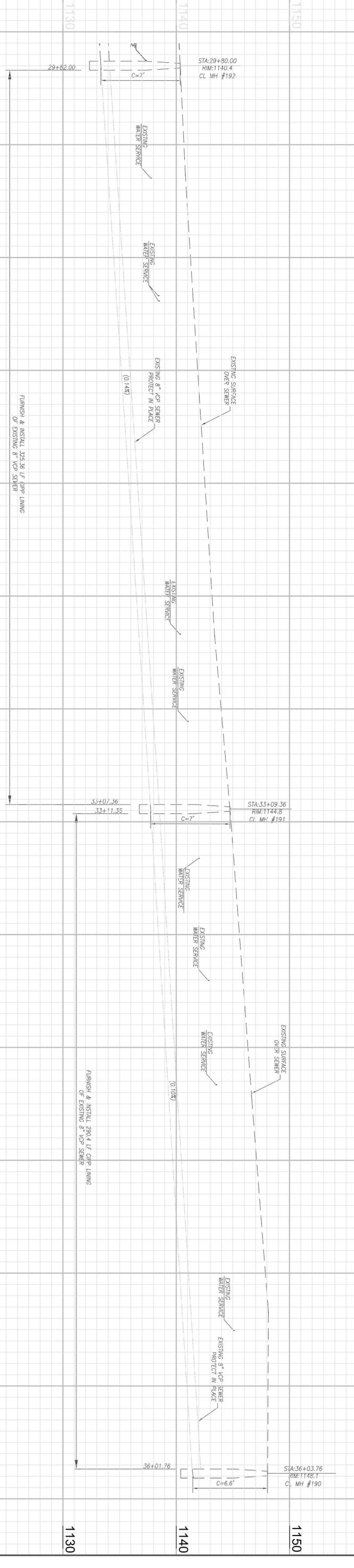
SHEET 17 OF 22

Know what's below.  
 Call before you dig.

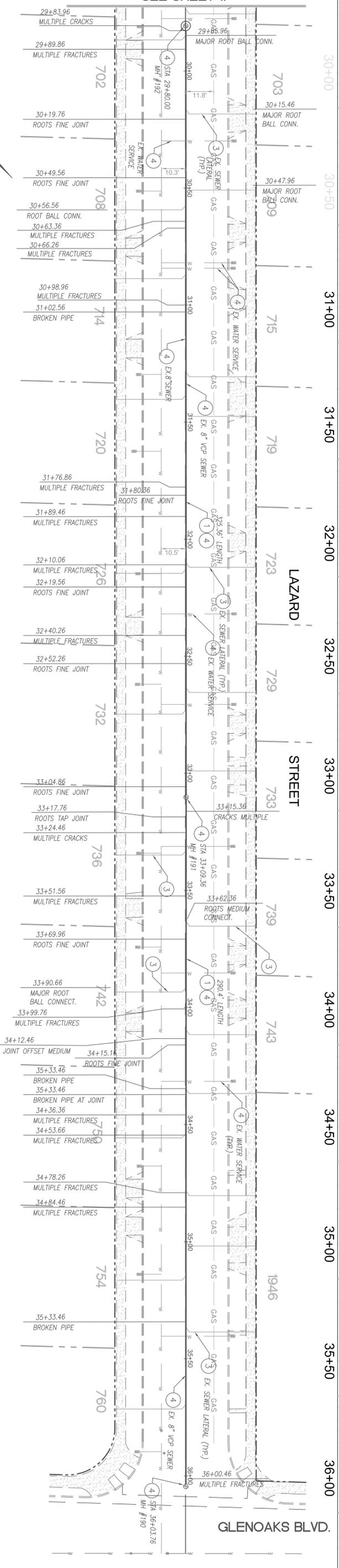
STATION 23+25 - MATCH LINE  
 SEE SHEET 16

STATION 29+75 - MATCH LINE SEE SHEET 18

PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 4'

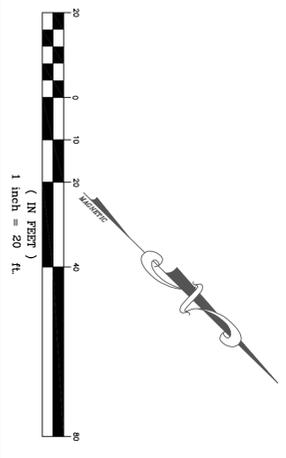


STATION 29+75 - MATCH LINE  
 SEE SHEET 17



- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CIPP LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 REINSTATE EXISTING 6" VCP HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE

**SEWER IMPROVEMENTS**



**811**  
Know what's below.  
Call before you dig.

**REVISIONS**

NUMBER	DATE	INITIALS	APPROVAL

BENCH MARK:

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YANG KWAN, P.E., CONSULTING CITY ENGINEER, REC 42418

**REGISTERED PROFESSIONAL ENGINEER**  
 CIVIL  
 STATE OF CALIFORNIA  
 NO. 51538  
 EXPIRES 12/31/2018

PLANS PREPARED UNDER THE SUPERVISION OF:  
 JOAQUIN CERVANTES, JR., P.E.

Plans Prepared By:  
**CH2**  
 CONSULTING CIVIL ENGINEERS  
 1800 AVENUE 100, SUITE B13  
 (909) 967-9879 / (909) 967-9774 FAX

DESIGN BY: JC 4/20/2017  
 DRAWN BY: DC 4/20/2017  
 CHECKED BY: CA 5/20/2017

DATE: \_\_\_\_\_

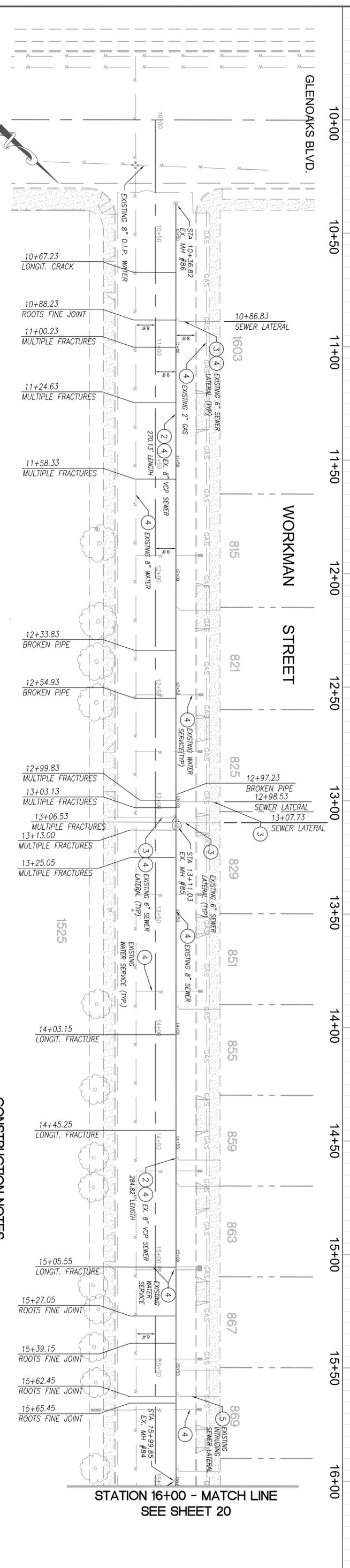
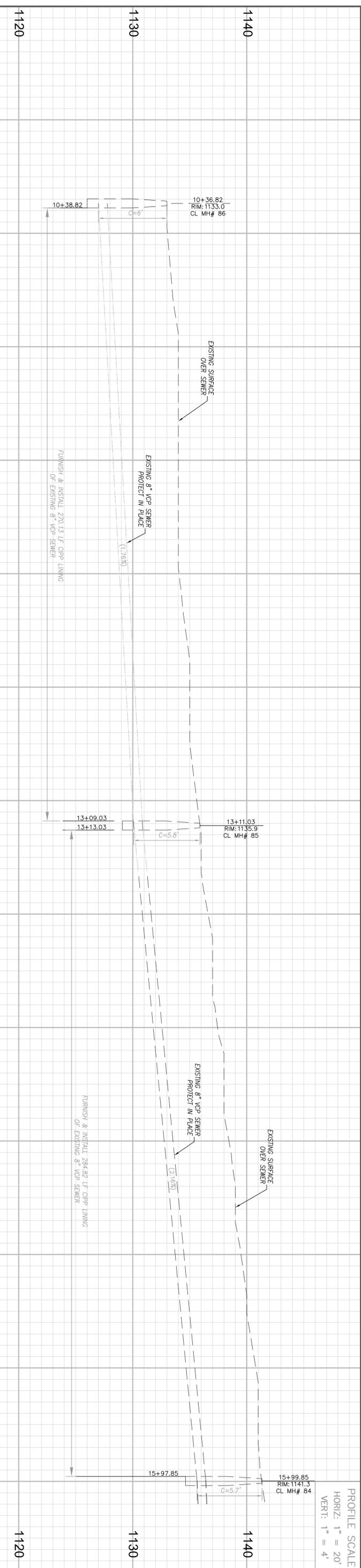
**2018-2019 ANNUAL STREET RESURFACING PROJECT**

**LAZARD STREET**  
**FROM FOURTH STREET TO GLENOAKS BOULEVARD**

PLAN NO.  
**P-726**

SHEET 18 OF 22

PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 4'



STATION 16+00 - MATCH LINE  
 SEE SHEET 20



- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CIPP LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 RENOVATE EXISTING 6" V.C.P. HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE
  - 5 REMOVE PROTRUDING EXISTING SEWER LATERAL PRIOR TO CIPP LINING OR PIPE SLEEVE

**SEWER IMPROVEMENTS**

**811**  
 Know what's below.  
 Call before you dig.

PROJECT NUMBER: \_\_\_\_\_ DATE: \_\_\_\_\_ HOURS: \_\_\_\_\_  
 APPROVAL: \_\_\_\_\_  
 BENCH MARK: \_\_\_\_\_

---

**SAN FERNANDO**  
 PUBLIC WORKS DEPARTMENT

TING KIANG, P.E., CONSULTING CITY ENGINEER, REG. 42418

DATE: \_\_\_\_\_

---

CONSULTING CIVIL ENGINEERS  
 15888 ELMA BL. SUITE 100  
 BRYANDALE, CA 91708  
 (928) 980-0102 / (928) 980-0103

DESIGN BY: JC 4/29/2017  
 DRAWN BY: DC 4/29/2017  
 CHECKED BY: CA 5/28/2017

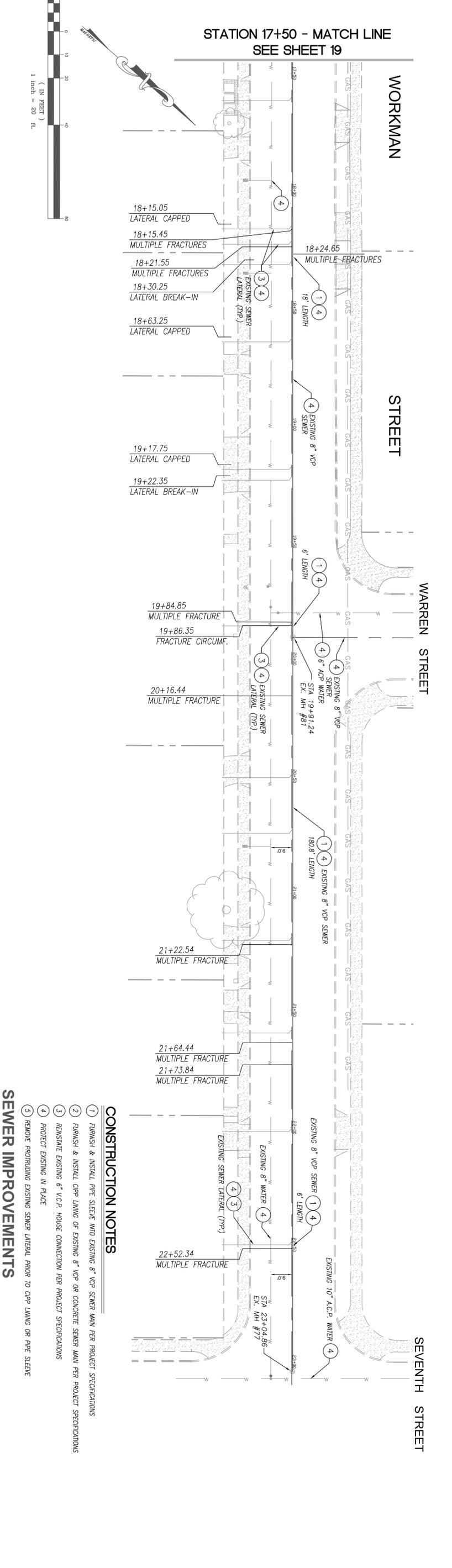
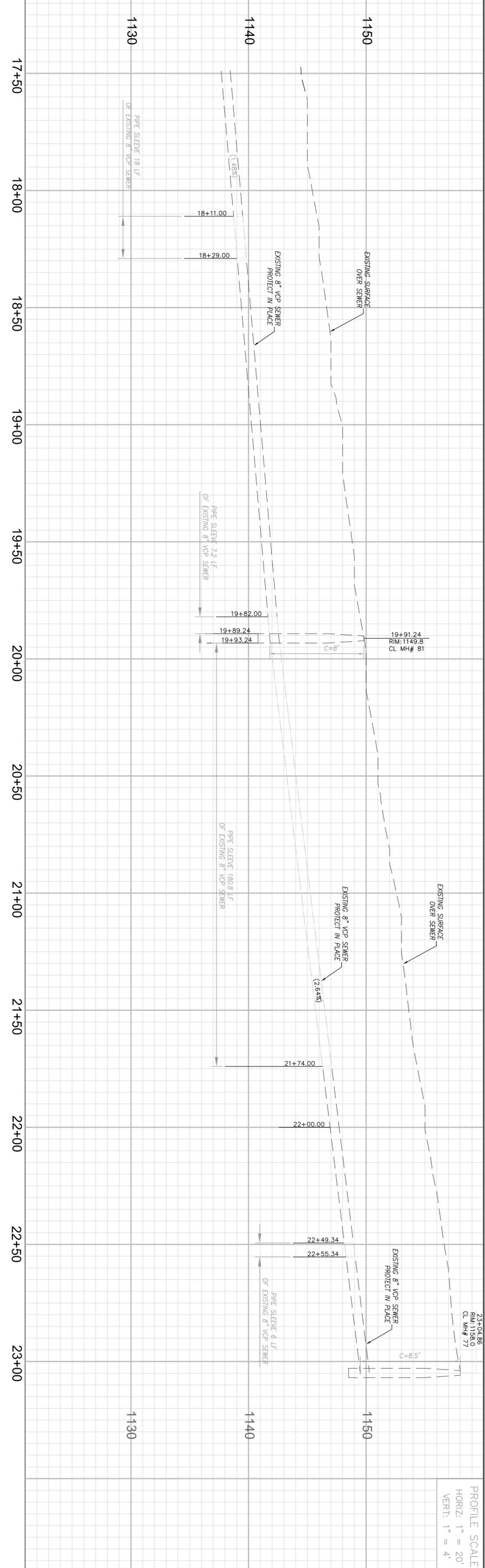
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**2018-2019 ANNUAL STREET RESURFACING PROJECT**

WORKMAN STREET  
 FROM GLENOAKS BOULEVARD TO SEVENTH STREET

PLAN NO. **P-726**  
 SHEET 19 OF 22

PROFILE SCALE  
 HORIZ: 1" = 20'  
 VERT: 1" = 4'



- CONSTRUCTION NOTES**
- 1 FURNISH & INSTALL PIPE SLEEVE INTO EXISTING 8" VCP SEWER MAIN PER PROJECT SPECIFICATIONS
  - 2 FURNISH & INSTALL CIPP LINING OF EXISTING 8" VCP OR CONCRETE SEWER MAIN PER PROJECT SPECIFICATIONS
  - 3 REINSTATE EXISTING 6" V.C.P. HOUSE CONNECTION PER PROJECT SPECIFICATIONS
  - 4 PROTECT EXISTING IN PLACE
  - 5 REMOVE PROTRUDING EXISTING SEWER LATERAL PRIOR TO CIPP LINING OR PIPE SLEEVE
- SEWER IMPROVEMENTS**

**811**  
Know what's below.  
Call before you dig.

PROJECT NUMBER	DATE	MINUS

DATE:

REWEISSI OONNS

BENCH MARK:  

DATE:

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YANG KWAN, P.E., CONSULTING CITY ENGINEER, REG. 42418

DATE:

PLANS PREPARED UNDER THE SUPERVISION OF:  
**JOSQUIN CERVANTES, JR., P.E.**

DATE:

CONSULTING CIVIL ENGINEERS  
**CEJ**  
 15689 EDNA BL., SUITE 100  
 IRVINE, CA 92618  
 (949) 990-0122 / (949) 990-0123

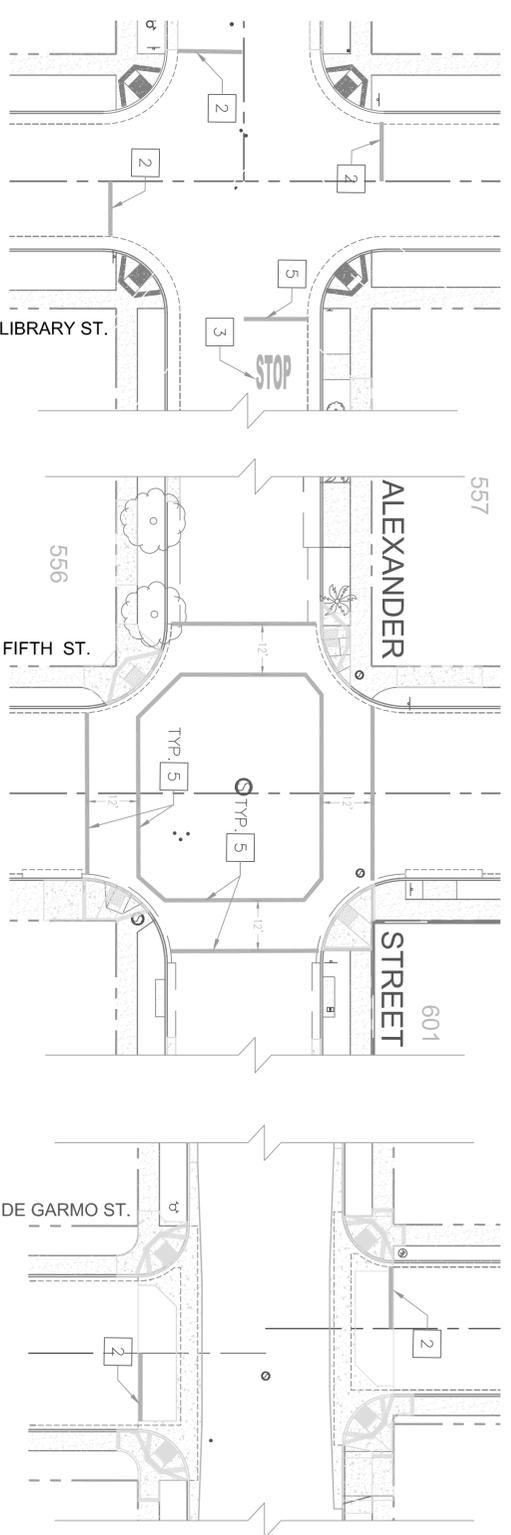
DATE:

2018-2019 ANNUAL STREET RESURFACING PROJECT  
 WORKMAN STREET  
 FROM GLENOAKS BOULEVARD TO SEVENTH STREET

PLAN NO.

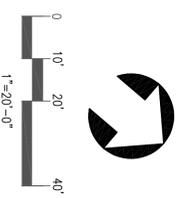
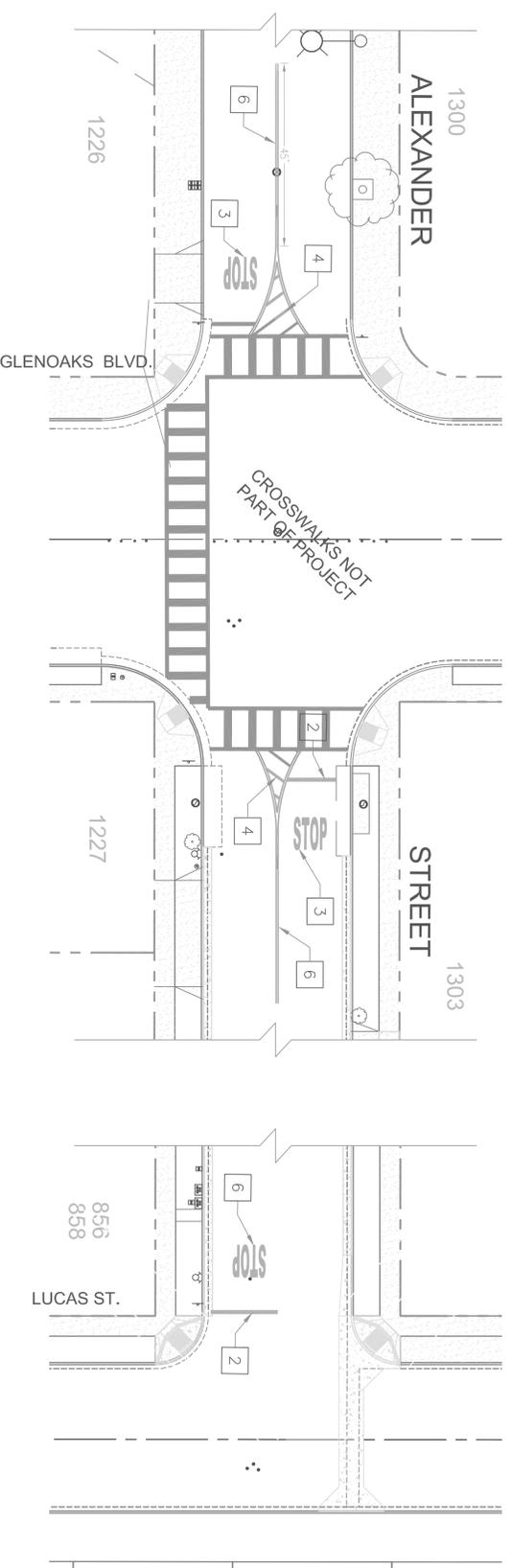
**CITY OF SAN FERNANDO**

PLAN NO. **P-726**  
 SHEET 20 OF 22



**STRIPING NOTES**

- 1 INSTALL CALTRANS DETAIL 2 WITH 50' LONG SOLID BREAK LINES AT INTERSECTION.
- 2 INSTALL 12" WIDE WHITE LIMIT/CROSSWALK LINE.
- 3 INSTALL PAVEMENT MARKING AS SHOWN.
- 4 INSTALL 4" DIAGONAL LINES @ 4' O.C.
- 5 INSTALL 12" WIDE YELLOW LIMIT/CROSSWALK LINE.
- 6 INSTALL CALTRANS DETAIL 21.



**811**  
Know what's below.  
Call before you dig.

R E V I S I O N S				BENCH MARK:
NUMBER	DATE	INITIALS	APPROVAL	

**SAN FERNANDO**  
PUBLIC WORKS DEPARTMENT

YING KWAN, P.E., CONSULTING CITY ENGINEER, RCE 42418

DATE: \_\_\_\_\_

Plans Prepared By:

**CH2**  
CONSULTING CIVIL ENGINEERS  
1880 AVENUE NO. 38 STE B13  
(925) 937-9873 / (925) 857-5074 FAX

PLANS PREPARED UNDER THE SUPERVISION OF:

JOAQUIN GERVANTES, JR., P.E.

DATE: \_\_\_\_\_

DESIGN BY: JC 4/20/2017  
DRAWN BY: DC 4/20/2017  
CHECKED BY: CA 5/30/2017

**2018-2019 ANNUAL STREET RESURFACING PROJECT**

**ALEXANDER STREET STRIPING PLAN**

**CITY OF SAN FERNANDO**

PLAN NO. **P-726**  
SHEET **22** OF **22**

