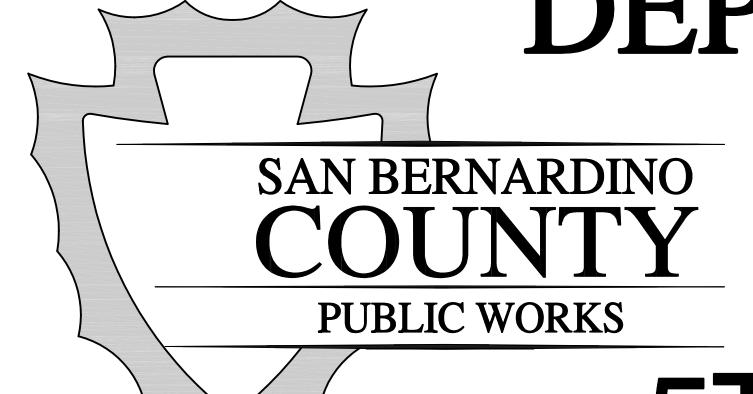
**INDIVIDUALS WARNING:** ALL INTERESTED IN BIDDING ON PROJECT MUST OBTAIN THE PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED CLERK OF THE BOARD'S ON THE WFBSITF FOR BIDDING ON PROJECT.

# SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS



TRANSPORTATION PLANS FOR CONSTRUCTION OF

5TH STREET AND REDEY ROAD

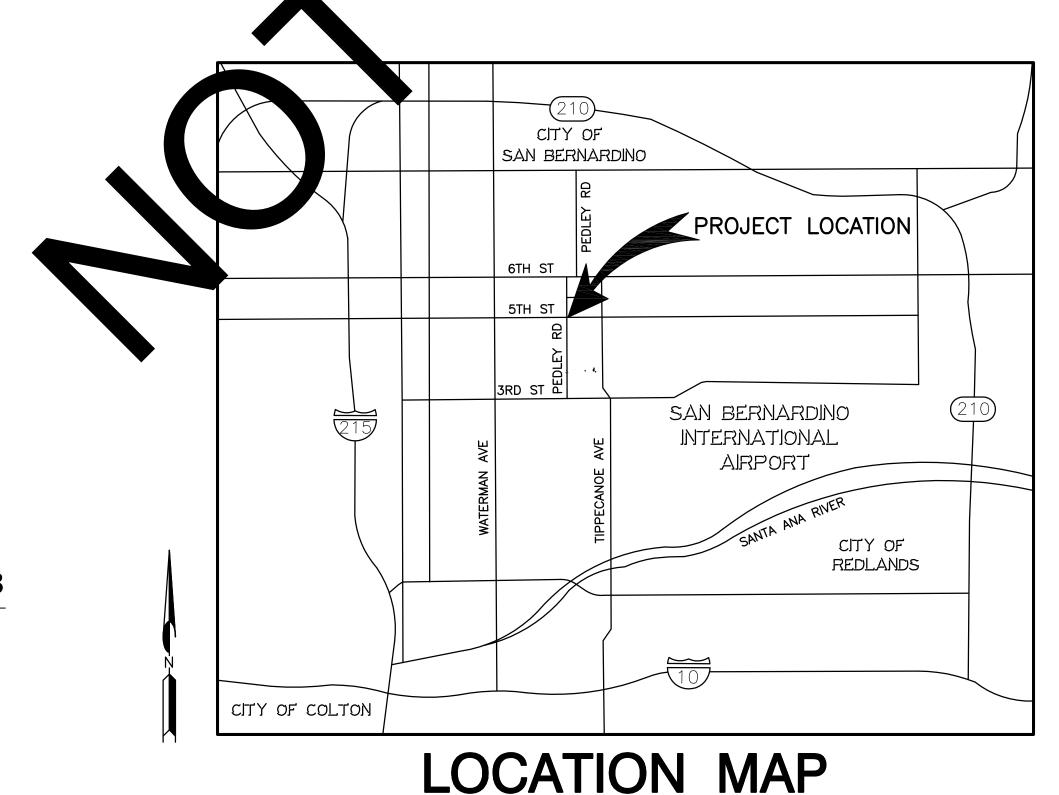
LIMITS

INTERSECTION OF PEDLEXROAD AND 5TH STREET

WORK ORDER NO. H15169

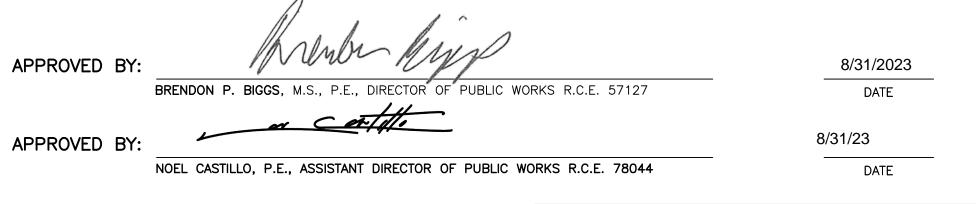
ROAD NO. 349950-016, 646300-010

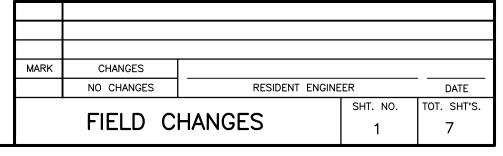
LENGTH = 0.04 MILES



NOT TO SCALE

# SAN BERNARDINO COUNTY





CITY OF SAN BERNARDINO

ROVED BY: Daniel Hernandes

DANIEL HERNANDEZ
AGENCY DIRECTOR OF PUBLIC WORKS, OPERATIONS, AND MAINTENANCE

8/29/2023
DATE

0

INDEX OF SHEETS TITLE SHEET PROJECT NOTES, INDEX MAP, AND LEGENDS TYPICAL SECTIONS AND MISC. DETAILS STREET IMPROVEMENT PLANS-PLAN AND PROFILE CURB RETURN DETAILS TRAFFIC SIGNING AND STRIPING PLAN TRAFFIC SIGNAL AND LIGHTING PLAN X-SECTIONS THE FOLLOWING SPECIAL DRAWINGS AND COUNTY STANDARDS ARE ATTACHED TO THE SPECIAL PROVISIONS: STD 109, TYPE C (MOD) STD 117 STD 119 (MOD) 116 (MOD) 303A TO BE SUPPLEMENTED BY THE FOLLOWING CALTRANS STANDARD PLANS 2018. A87A TYPE A1-6 A87A TYPE A1-8 A20A

A24D

A24F

TO BE SUPPLEMENTED BY THE FOLLOWING CITY OF SAN BERNARDINO STANDARD PLANS. 202, CASE A

TO BE SUPPLEMENTED BY THE FOLLOWING

CALTRANS STANDARD PLANS 2022.

ES-7P

ES-3B

ES-1A ES-1B ES-1C ES-5C ES-2E ES-3B ES-4B ES-7A ES-7B ES-7N ES-7R ES-8A ES-8B T11 T13

TO BE SUPPLEMENTED BY THE FOLLOWING CA MUTCD 2014 REVISION 6.

FIG 2A-2(CA) FIG 6H-28FIG 6H-29 SEC 6D.01 SEC 6D.02 SEC 6D.03

THIS PROJECT REQUIRES A CONTRACTOR'S LICENSE CLASS "A" OR CLASS "C10"

# GENERAL NOTES

- U. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36 C "NON-HIGHWAY FACILITIES" OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.
- 1. ALL STATIONING NOTES ON PLAN REFER TO THE CL IMP 5TH STREET & PEDLEY ROAD OR SIDE STREET.
- 2. DIMENSIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS.
- 3. ALL PAVEMENT WIDTH DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF
- PAVEMENT OR TO THE TOP OF CURB, UNLESS OTHERWISE NOTED. 4. TRANSITIONS AND WARPING SHALL BE AS SHOWN AND AS DETERMINED BY THE ENGINEER.
- 5. ASPHALT CONCRETE OVERLAYS SHALL BE FEATHERED TO MEET EXISTING AS SHOWN
- ON THE PLANS OR AS DETERMINED BY THE ENGINEER.
- 6. ALL TREES & VEGETATION OUTSIDE THE LIMITS OF EXCAVATION AND EMBANKMENT SLOPE LINES, SHALL BE PROTECTED IN PLACE.

BASIS OF BEARINGS:

THE CENTERLINE OF PEDLEY ROAD, FROM 3rd ST TO 4th ST (Pt#1-Pt#7) PER TR.2345, MB 33/52, BEING N00°14'00".

BENCH MARK:

FOUND RR SPIKE IN PP #1420442E, 50' E'LY & 20' N'LY OF INTERSECTION OF PEDLEY RD & LITTLE 3rd ST, PER CSFB 4017/2274 NGVD-29 ELEV=1052.89'

WARD STREET SHEET 5,6,7 RAMP RAMP 5TH STREET RAMP | RAMP 4,6,7 MONTEREY AVENUE INDEX MAP

CONTROL POINT **ELEVATION** EDGE OF PAVEMENT END VERTICAL CURVE FLOW LINE GRADE BREAK LENGTH OF CURVE NOT TO SCALE ORIGINAL GROUND PORTLAND CEMENT CONCRETE PERMIT TO ENTER CONSTRUCTION OINT OF INTERSECTION

ABBREVIATIONS LEGEND:

CONSTRUCTION & UNDERGROUND UTILITY LEGEND RIGHT OF WAY ASPHALT CONCRETE PAVEMENT ASPHALT CONCRETE COLD PLANE AND OVERLAY PORTLAND CEMENT CONCRETE (SECTION)

STATION SOUTH OF SIDEWALK TOP OF FACE OF CURB

= VERTICAL CURVE

WATER LINE ELECTRIC LINE TELEPHONE LINE

RAMP NUMBER LABEL

CURB RETURN NUMBER

AGGREGATE BASE

PROPOSED SLOPE

**EXISTING SLOPE** 

GAS LINE

0

## SAN BERNARDINO COUNTY TRAFFIC CONTROL GENERAL NOTES

- 1- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 2- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE CALTRANS STANDARD PLANS LATEST EDITION.
- 3- ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE THERMOPLAST
- 4- ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETRO-RE
- TYPE IX IN URBAN SETTINGS) A. "STOP" SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SET) RETRO-REFLECTIVE SHEETING.
- B. "NO PARKING " SIGNS SHALL BE OF SUPER ENGINEERING ADE (FHWA TYPE IN STRO-REFLECTIVE SHEETING.
- C. SCHOOL SIGNS SHALL BE OF DIAMOND GRADE (FHWA IX) FLUORESCENT YELLOW GREEN (FYG) RETRO-REFLECTIVE SHEETING.
- D. STREET NAME MARKERS SHALL BE OF DIAMOND RADE TYPE IX) RETRO-REFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
- E. CONSTRUCTION SIGNS SHALL BE OF DIA : (FHWA TYPE FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
- 5- ALL DELINEATORS, CHANNELIZERS, OBJECT MARKERS HALL BE OF (FHWA TYPE VII)
- RETRO-REFLECTIVE SHEETING. 6- SIGNS SHALL BE MOUNTED A METAL STS SIMILAR TO UNTY STANDARDS 303(a) AND 303(b).
- SHOWN ON PLANS SHALL BE REMOVED 7- ALL CONFLICTING STRIPING AND BY THE CONTRACTOR, REMOVAL S BY SANDBLASTING, GRINDING, OR AS DIRECTED BY COUNTY REPR
- RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE 8- ALL CONFLICTING HE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (i.e. CATCH BASINS, HEADWA POWER POLES, END TREATMENT OF ASPHALT DIKES AND CONCRETE CURBS) SHALL BE PROTECTED BY DELL TORS OR BARRIERS PER THE CALIFORNIA MUTCO LATEST EDITION.
- 10- ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (i.e. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 11- THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

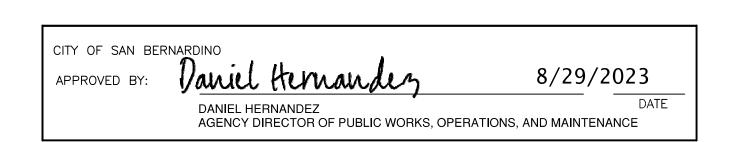
### CONSTRUCTION NOTES:

- UTILITIES TO BE RESET BY OTHERS
- (SEE NOTE U. OF GENERAL NOTES ON THIS SHEET)
- PROTECT IN PLACE.
- EXCAVATE THE NATIVE MATERIAL TO A DEPTH OF 1.15' BELOW THE TOP FINISHED PAVED ROAD, AND THEN COMPACT.
- PLACE 0.60' OF CLASS II AGGREGATE BASE OR QUALIFIED PULVERIZED MATERIAL OVER NATIVE AND COMPACT. APPLY PRIME COAT. PLACE 0.35' OF TYPE A, 3/4" AGGREGATE GRADATION, PG 70-10 HOT MIX ASPHALT. APPLY TACK COAT. PLACE 0.20' OF TYPE G,
- 3/4" AGGREGATE GRADATION, PG 64-16 RUBBERIZED HOT MIX ASPHALT. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, SIDEWALK,
- DRIVEWAY AND RAMP. 4 | SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT DIKE AND ASPHALT CONCRETE.
- CONSTRUCT CURB RAMP PER CALTRANS STD 2018 RSP A88A OR A88B, CASE PER PLAN. 6 PLACE DETECTABLE WARNING SURFACE PER CALTRANS STANDARD PLAN RSP A88A.
- CONSTRUCT 6' CONC SIDEWALK PER SAN BERNARDINO COUNTY STD 109, TYPE C. (MOD) (4' MIN. CLEARANCE AROUND PP. WIDEN SIDEWALK IF NECESSARY.)
- 8 CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD 115 (MODIFIED).
- 9 | INSTALL 8" AC DIKE PER COUNTY STD. 117.
- 10 CONSTRUCT 6" CURB PER CALTRANS STANDARD A87A, TYPE A1-6. REMOVE ROADSIDE SIGN AS SHOWN ON SIGNING AND STRIPING PLANS.
- 12 ADJUST UTILITY BOX, MANHOLE, AND WATER VALVE TO GRADE.
- 13 COLD PLANE (0.20' THK) EXISTING ASPHALT CONCRETE PAVEMENT (2' WIDE MIN).
- 14 PLACE (0.20') HMA, TYPE A 1/2" AGGREGATE GRADATION, PG 64-16, ASPHALT CONCRETE OVERLAY (TACK COAT BETWEEN ALL LAYERS).
- 15 CONSTRUCT CONCRETE DRIVEWAY (WIDTH, W-PER PLAN) PER SAN BERNARDINO COUNTY SPEC DWG 135b.
- [6] CONSTRUCT CONCRETE PAD DETAIL "D" AS SHOWN ON SHEET 3.
- 17 CONSTRUCT CROSS GUTTER AND SPANDREL PER SAN BERNARDINO COUNTY STD. 119 (MOD)
- 18 CONSTRUCT 6" CURB AND GUTTER PER COUNTY STD 116 (MODIFIED).
- 119 CONSTRUCT PCC SIDEWALK PER CITY OF SAN BERNARDINO STD. 202, CASE A.

# TRAFFIC CONSTRUCTION NOTES:

- PROTECT IN PLACE.
- APPLY 12-INCH WIDE, SOLID WHITE LIMIT LINE PER CALTRANS 2022 STANDARD PLAN A24E.
- | APPLY 12—INCH WIDE YELLOW CROSSWALK LINES (LADDER TYPE)(2 FT PAINT, 2FT GAPS) PER CALTRANS 2022 STANDARD PLAN A24F.
- 52| APPLY DOUBLE 6—INCH WIDE, CENTER LINE STRIPE PER CALTRANS 2022 STANDARD PLAN A20A, DETAIL 22
- APPLY DOUBLE 6-INCH WIDE, EDGE LINE STRIPE PER CALTRANS 2022 STANDARD PLAN A20B, DETAIL 27B.
- 54 APPLY DOUBLE 8-INCH WIDE, CHANNELIZING STRIPE PER CALTRANS 2022 STANDARD PLAN A20D, DETAIL 38.
- 55 APPLY 6-INCH WIDE, BIKE LANE STRIPE PER CALTRANS 2022 STANDARD PLAN A20D, DETAIL 39.
- 56 APPLY 6-INCH WIDE, DASHED BIKE LANE STRIPE PER CALTRANS 2022 STANDARD PLAN A20D, DETAIL 39A.
- 57 APPLY TYPE IV ARROW PER CALTRANS 2022 STANDARD PLAN A24A AS SHOWN ON PLAN.
- 58 APPLY/REAPPLY PAVEMENT MARKING PER CALTRANS 2022 STANDARD PLAN A24D. 59 APPLY BIKE LANE MARKINGS AND ARROW PER CALTRANS 2022 STANDARD PLAN A24A AND A24D, AND BIKE
- LANE DETAIL ATTACHED HEREON.
- 60 INSTALL NEW SIGN AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014 FIGURE 2A-2(CA).

- 61 RESET ROADSIDE SIGNS PER THE CA MUTCD 2014, FIGURE 2A-2(CA).
- 62 REMOVE EXISTING STRIPING OR PAVEMENT MARKINGS.
- 63 RELOCATE ROADSIDE SIGNS AS SHOWN ON PLAN PER THE CA MUTCD 2014, FIGURE 2A-2(CA).
- 64 APPLY 8-INCH WHITE HATCH MARKING AT 45° PER THE CA MUTCD SECTION 3B.24, REMOVE CONFLICTING PORTION OF HATCH MARKINGS WITHIN BIKE LANE.
- 65 APPLY 6" WHITE DASHED BIKE LANE STRIPES AND GREEN PAINT PER CALTRANS 2022 STANDARD PLAN A20A,
- DETAIL 39A AND DETAIL HEREON.
- 66 REMOVE ROADSIDE SIGN.

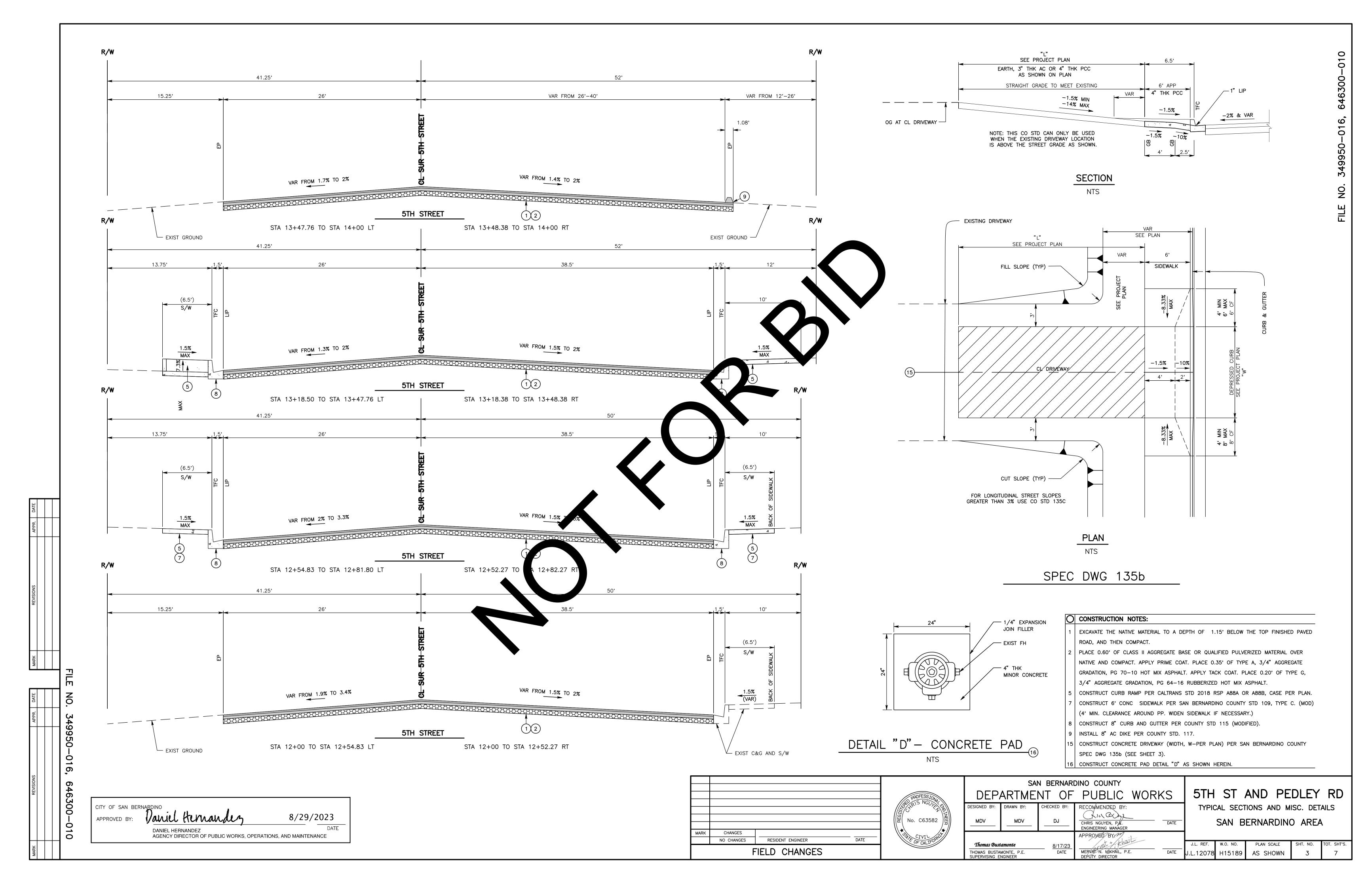


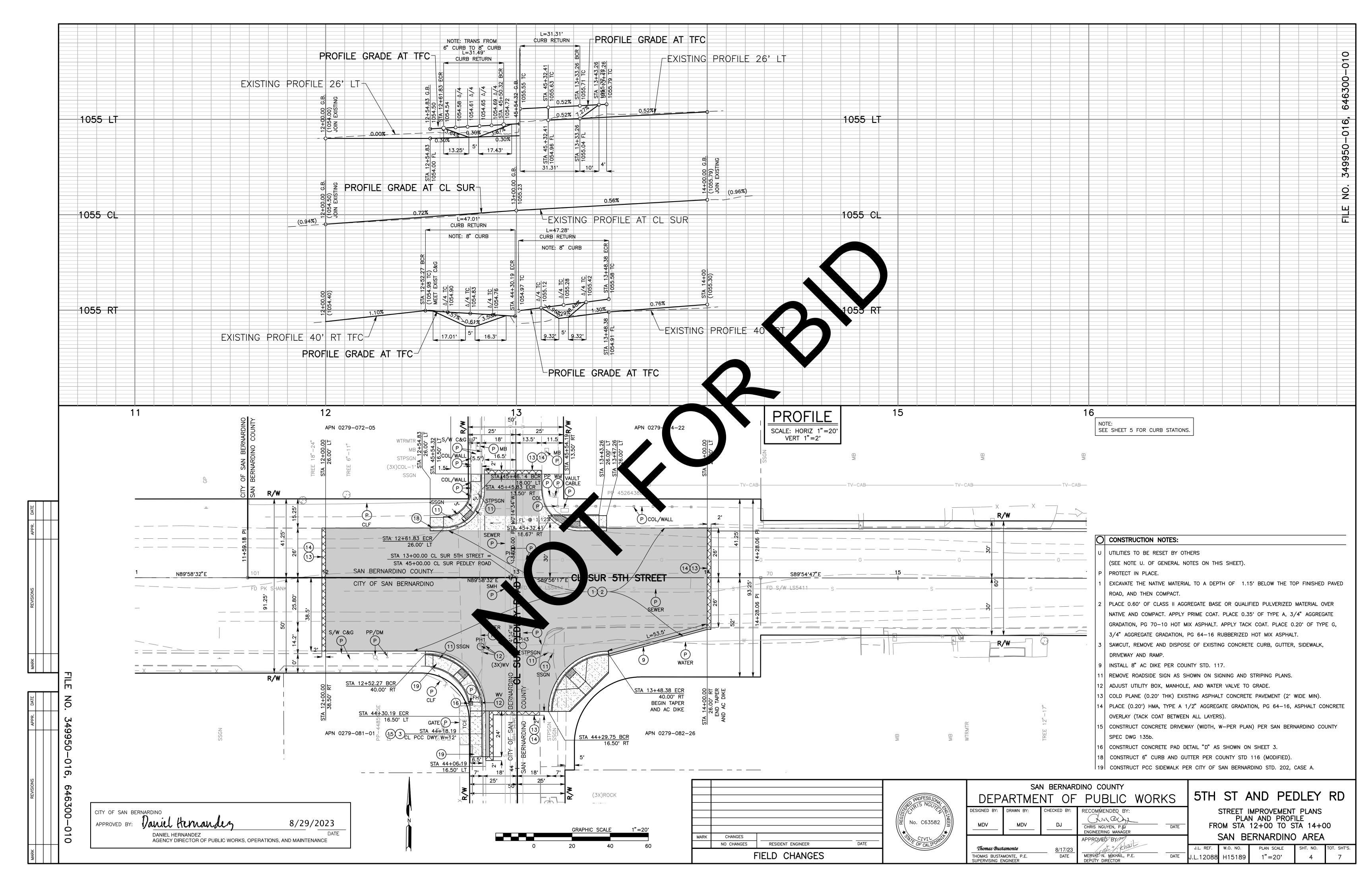
CHANGES RESIDENT ENGINEER NO CHANGES FIELD CHANGES

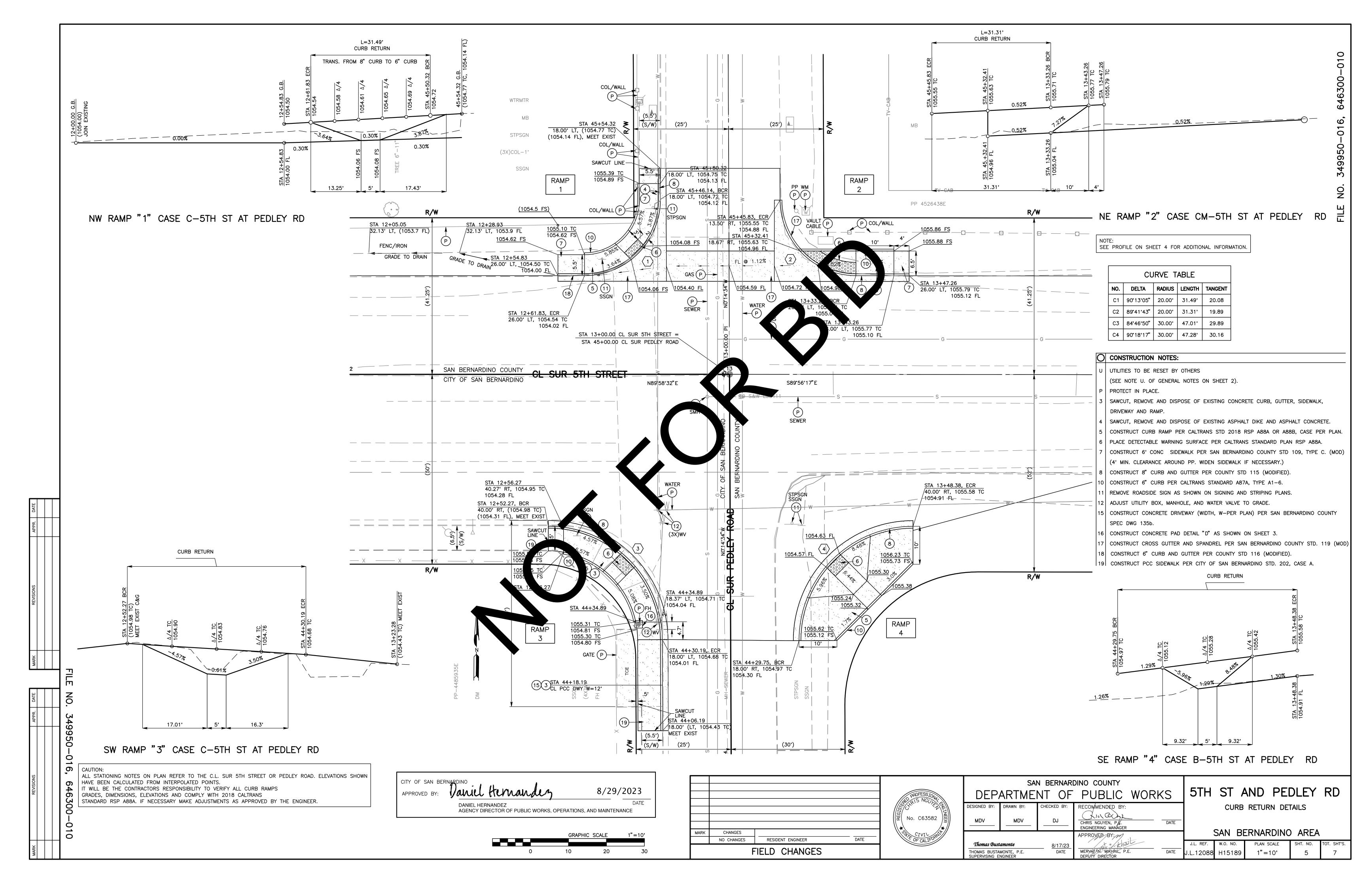


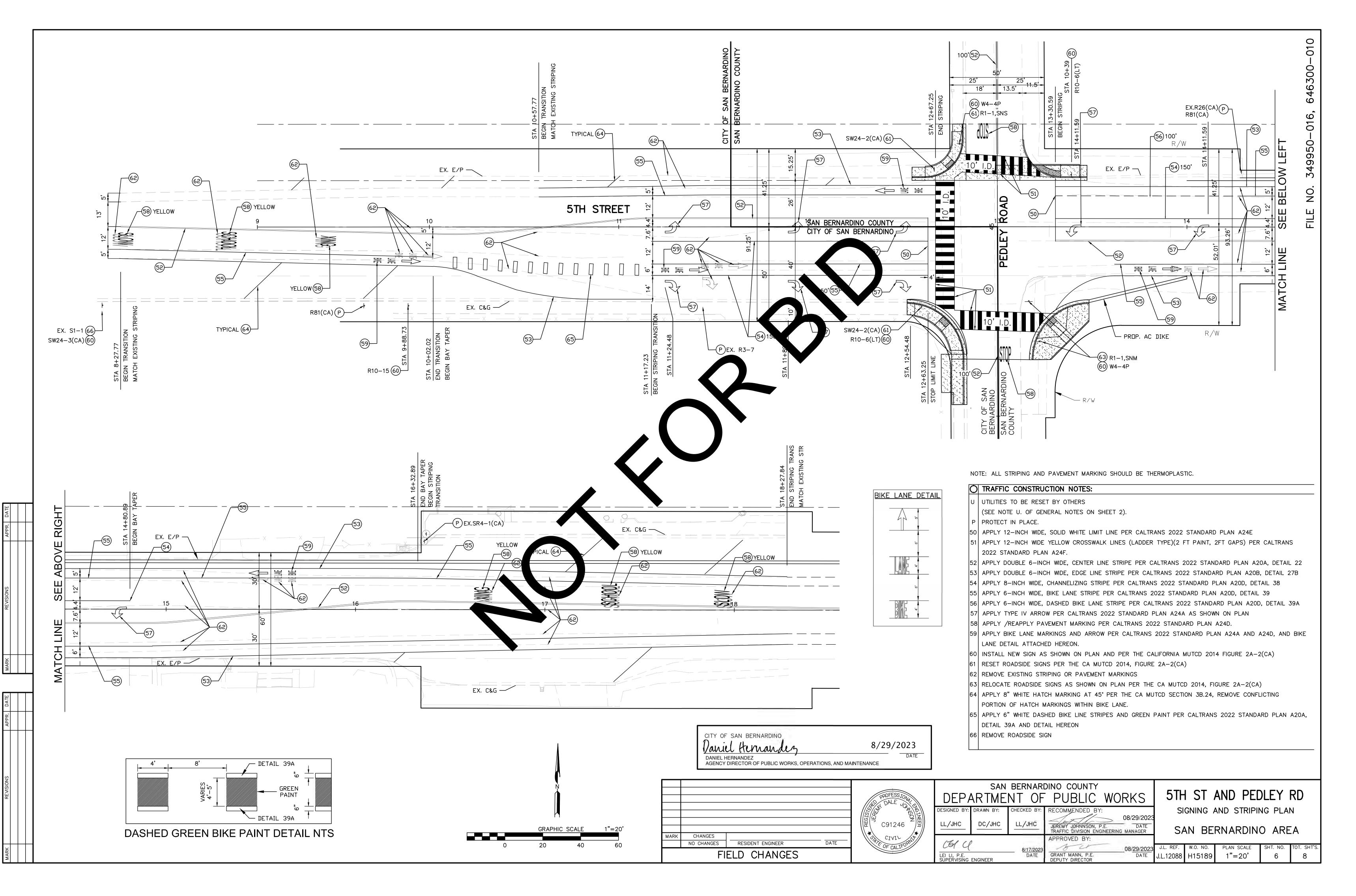
#### SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: RECOMMENDED BY: CHECKED BY: KIN Coche MDV MDV CHRIS NGUYEN, P.E. ENGINEERING MANAGER APPROVED BY: Thomas Bustamonte METIVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER

5TH ST AND PEDLEY RD PROJECT NOTES, INDEX MAP, AND LEGENDS SAN BERNARDINO AREA









SIGNAL

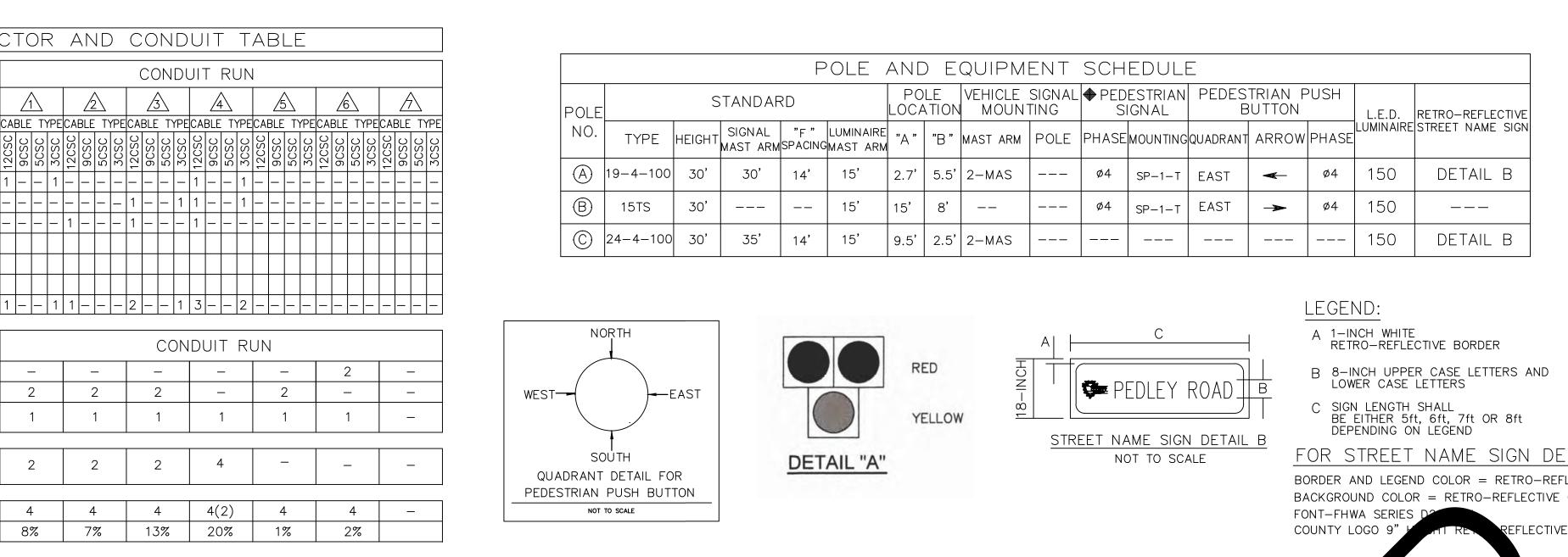
CABLE

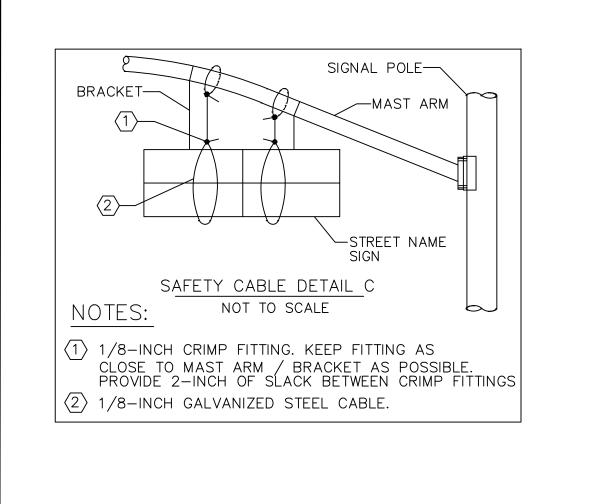
AWG SIZE

VIDEO LEGEND

DETECTION D

% FILLED





PHASE

Ø6, Ø4P │ Ø4PPR

**VEHICLE** 

AND

ø4P

ø2

CIRCUIT

SIGNAL COMMON WIRE

BARE GROUNDING CONDUCTOR

IDEO CABLE

₿

 $\bigcirc$ 

Ð Ð

TOTAL

SERVICE

\* \* CONDUIT SIZE (INCHES)

LUMINAIRE

PED PUSH

ø4PPB

2

4

8%

4

7%

CONDUCTOR AND CONDUIT TABLE

PEDESTRIAN BUTTON [워킹[호]호[호]호[호]호[호]호[호]호[호]호[호]호[호]호[호]호

CONDUIT RUN

|1 |- |- | 1 | 1 |- |- |- |2 |- |- |1 | 3 |- |- |2 |- |- |- |- |- |- |-

2

4

13%

CONDUIT RUN

4(2)

20%

2

4

1%

4

NOTE:

SEE POLE SCHEDULE

CURB/ BEAM FLOW LINE OR EDGE OF SHOULDER

FOR "A" AND "B" DIMENSIONS,

OR AS DIRECTED BY THE ENGINEER

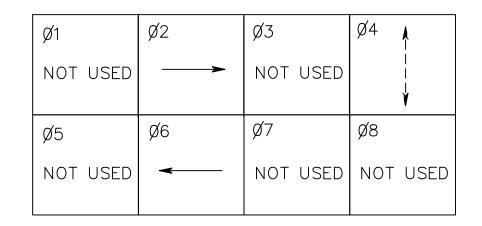
TYPICAL SIGNAL POLE PLACEMENT

UNLESS OTHERWISE NOTED ON PLAN

NOT TO SCALE

4

# PROPOSED SIGNAL PHASE DIAGRAM



7.5'-

R10-23

PEDESTRIAN

HYBRID BEACON

35 lb (65 lb FOR PV)

E PROJECTED LENGTH=35'

PEDESTRIAN HYBRID BEACON

STREET NAME SIGN-

DOUBLE SIDED-SCHOOL CROSSING

ASSEMBLY,

NPS COUPLING WHEN REQUIRED —

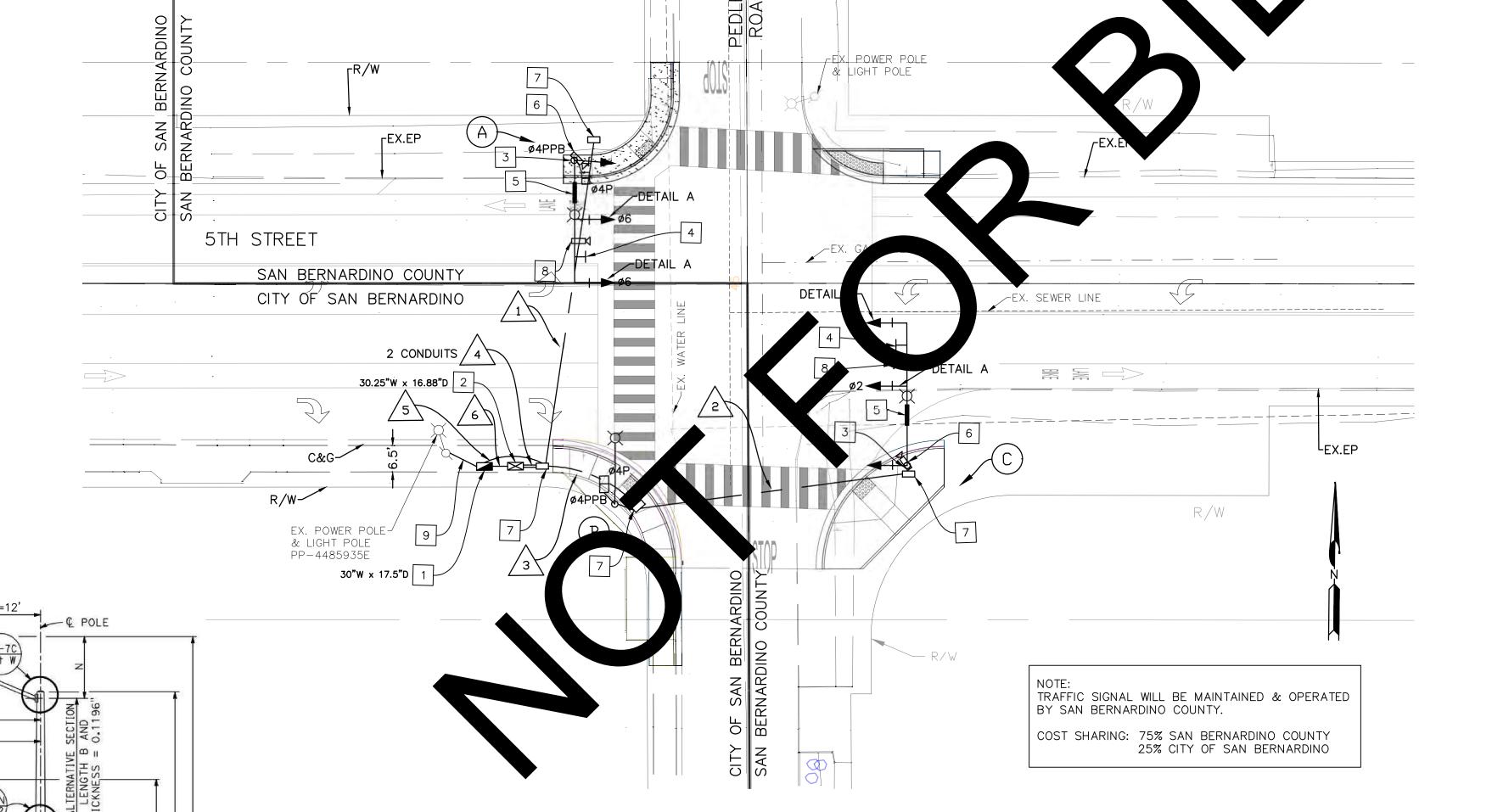
— € SIGN

HANDHOLE,

-FINISHED GRADE

DETAIL D - SIGNAL TYPICAL INSTALLATION

NOT TO SCALE



GRAPHIC SCALE

AGENCY DIRECTOR OF PUBLIC WORKS, OPERATIONS, AND MAINTENANCE

ITY OF SAN BERNARDING

DANIFI HERNANDEZ

laniel Hernande

FOR STREET NAME SIGN DETAIL BACKGROUND COLOR = RETRO-REFLECTIVE GREEN

BORDER AND LEGEND COLOR = RETRO-REFLECTIVE WHITE REFLECTIVE WHITE

### 11. PEDESTRIAN PUSH BUTTON SHALL BE WITH PLACARD R10-3 SIZE 9"x12" AND PER THE CALTRANS 2018 STANDARD PLANS ES-7A AND ES-5C (DETAIL A, 2-WIRE SYSTEM ACCESSIBLE PEDESTRIAN SIGNAL TYPE)

MODULES.

ES-7B.

GRADE.

STANDARD PLAN ES-4B DETAIL B.

4. SIGNAL POLE LOCATIONS ARE APPROXIMATE.

5. ALL BACK PLATES SHALL BE LOUVERED.

13. ALL UNUSED TENONS SHALL BE CAPPED.

14. ALL WIRING AND CABLES SHALL BE NEW UNLESS OTHERWISE NOTED.

GRADE AS SHOWN ON THE CALTRANS 2022 STANDARD PLAN ES-8A.

NOT BE INSTALLED IN OR WITHIN A CURB ACCESS RAMP

TYPE PER THE CALTRANS 2018 STANDARD PLAN ES-8B.

15. ALL NEW CONDUIT SHALL BE MINIMUM 4-INCH SCHEDULE 80 ELECTRICAL GRADE PVC AT A MINIMUM 36 TNCH DEPTH INCLUDING A 12-INCH SAND ZONE COVERING.

SAN BERNARDINO COUNTY TRAFFIC SIGNAL GENERAL NOTES:

1. TRAFFIC SIGNAL AND LIGHTING SHALL CONFORM TO THE STATE OF CALIFORNIA 2022

STANDARD SPECIFICATIONS (DATED 2022) SECTIONS 86 (ELECTRICAL WORK) AND 87 (ELECTRICAL

3. ALL PEDESTRIAN SIGNAL INDICATIONS SHALL BE INSTALLED WITH "LED" PEDESTRIAN MODULES.

PEDESTRIAN MODULES SHALL BE EQUIPPED WITH COUNTDOWN TIMERS PER THE CALTRANS 2022

6. ALL BACK PLATES AND VISORS SHALL BE METAL, NO PLASTIC PARTS WILL BE ALLOWED.

SYSTEMS) AND STANDARD PLANS DATED 2022 INCLUDING LATEST 2022 REVISED STANDARD PLANS.

2. ALL VEHICLE SIGNAL INDICATIONS SHALL BE 12 INCH AND SHALL BE INSTALLED WITH "LED" SIGNAL

7. ALL PULL BOXES SHALL BE NUMBER 5, UNLESS OTHERWISE NOTED, AND BE TAMPERED RESISTANT PER CALTRANS 2022 STANDARD PLAN ES-8A. THE TOP OF THE PULL BOXES SHALL BE FLUSH WITH FINISHED

8. PULL BOXES SHALL BE INSTALLED PER THE CALTRANS 2022 STANDARD PLAN ES-8A. AND SHALL

9. PULL BOXES LOCATED IN ROADWAYS OR SHOULDER AREAS SUBJECT TO TRAFFIC. SHALL BE TRAFFIC

12. ALL SIGNAL AND LIGHTING STANDARD FOUNDATIONS SHALL BE ADJUSTED TO PROPOSED FINISHED

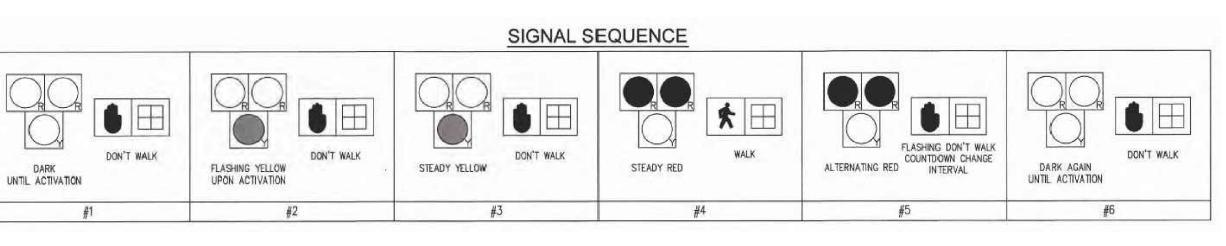
10. COUPLING NUTS SHALL BE USED FOR ALL TYPE (1-A) POLES PER THE CALTRANS 2018 STANDARD PLAN

16. LOCATION OF ALL UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATIONS UNTIL CLEAR OF ANY OBSTRUCTIONS. PHONE THE UNDERGROUND SERVICE ALERT AT (800) 227-2600, TWO WORKING DAYS BEFORE DIGGING.

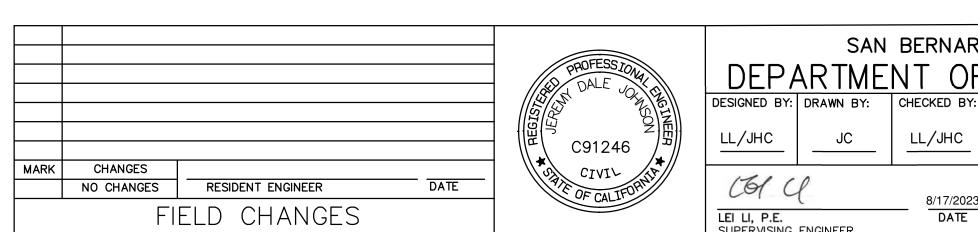
17. THE CONTRACTOR SHALL NOTIFY THE COUNTY AND CITY REPRESENTATIVE TO SCHEDULE A FIELD REVIEW WITH TRAFFIC DIVISION TO VERIFY THE LOCATION OF SIGNAL POLES, CONTROLLER CABINET, AND SERVICE.

#### TRAFFIC SIGNAL CONSTRUCTION NOTES:

- 1 FURNISH AND INSTALL 120/240V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE PER CALTRANS 2018 STANDARD PLAN ES-2E. THE BOTTOM OF SERVICE CABINET SHALL FLUSH ABOVE THE SIDEWALK FINISH GRADE.
- INSTALL COUNTY FURNISHED TYPE NEMA TS2-1-R77 ASSEMBLY INCLUDING COBALT CONTROLLER WITH TOUCH SCREEN OPTION, TYPE "R" CABINET WITH 16-CHANNEL MMU, UNINTERRUPTABLE POWER SUPPLY (UPS), NICKEL-ZINC BATTERIES, 1000 WATT MINIMUM BATTERY STORAGE, GPS RECEIVER FOR TIME REFERENCE AND APPURTENANT EQUIPMENT. THE INTERNAL CABINET WILL INCLUDE SLIDE OUT DRAWER AND LED LIGHTING. THE CONTROLLER CABINET AND FOUNDATION SHALL BE INSTALLED PER CALTRANS 2022 STANDARD PLAN ES-3B. FURNISH AND INSTALI GROUND ROD (8ft MINIMUM) INTO EARTH EXCLUDING CONCRETE FOUNDATION. CONTRACTOR SHALL FURNISH AND INSTALL ANY ADDITIONAL ELECTRONIC EQUIPMENT REQUIRED TO PROVIDE THE DESIRED SIGNAL OPERATION AS SHOWN ON THE PLAN. REFER TO SPECIFICATIONS FOR ADDITIONAL EQUIPMENT CRITERIA AND DETAILS.
- INSTALL HIGH-INTENSITY ACTIVATED CROSSWALK PEDESTRIAN HYBRID BEACON. DC CONTROLLER WITH BUILT—IN CONFLICT MONITOR SHALL BE MOUNTED ON THE BEACON. REFER TO POLE AND EQUIPMENT SCHEDULE HEREON AND SPECIFICATIONS FOR ADDITIONAL EQUIPMENT CRITÉRIA AND DETAILS.
- 4 FURNISH AND INSTALL R10-23 (24INCHx30INCH) SIGN ON SIGNAL MAST ARM PER CALTRANS 2022 STANDARD PLAN ES-7N, DETAIL U.
- 5 FURNISH AND INSTALL DOUBLE SIDED RETRO-REFLECTIVE STREET NAME SIGN PER DETAIL B SHOWN HEREON. THE SIGN PANEL SHALL BE ALUMINUM BASE METAL SURFACED WITH RETRO-REFLECTIVE SHEETING DIAMOND GRADE (VIP). THE STREET NAME SIGN SHALL BE INSTALLED ON THE SIGNAL MAST ARM PER CALTRANS 2018 STANDARD PLAN ES-7P WITH A SAFETY CABLE PER DETAIL C AS SHOWN ON PLAN. SEE PROJECT SPECIAL PROVISION. STREET NAME SIGN WITHIN CITY OF SAN BERNARDINO RIGHT OF WAY SHALL FOLLOW STANDARD 504 WITH CITY LOGO.
- 6 INSTALL COUNTY FURNISHED AUTOSCOPE VISION VIDEO DETECTION SYSTEM OR AS APPROVED BY THE TRAFFIC DIVISION. THE CAMERA SHALL BE INSTALLED ON THE PEDESTRIAN HYBRID BEACON SIGNAL POLE AS SHOWN ON PLAN AND THE CALTRANS 2022 STANDARD PLAN ES-7R. SEE PROJECT SPECIAL PROVISIONS. THE VIDEO DETECTION DATA PROCESSING SHALL BE WITHIN THE CAMERA TO MAXIMIZE CABINET SPACE.
- 7 FURNISH AND INSTALL NEW #5 PULL BOX AS SHOWN ON PLAN AND PER CALTRANS 2022 STANDARD PLAN ES-8A.
- 8 INSTALL COUNTY FURNISHED AUTOSCOPE VISION VIDEO VEHICLE DETECTION SYSTEM OR AS APPROVED BY THE TRAFFIC DIVISION. THE CAMERA SHALL BE INSTALLED ON THE PEDESTRIAN HYBRID BEACON MAST ARM AS SHOWN ON PLAN AND THE CALTRANS 2022 STANDARD PLAN ES-7R ON 72-INCH PELCO OR SIMILAR RISER PER THE MANUFACTURER'S SPECIFICATIONS. SEE PROJECT SPECIAL PROVISIONS. THE VIDEO DETECTION DATA PROCESSING SHALL BE WITHIN THE CAMERA TO MAXIMIZE CABINET SPACE.
- 9 INSTALL 2-INCH CONDUIT TO CONNECT TO EXISTING SCE POWER POLE (PP# 4485935E).



SERVICE ADDRESS:



8/29/2023

DATE

SAN BERNARDINO COUNTY CHECKED BY: RECOMMENDED BY 08/29/2023 LL/JHC JEREMY JOHNSON, P.E. DATE TRAFFIC DIVISION ENGINEERING MANAGER APPROVED BY:

GRANT MANN, P.E.

TRAFFIC SIGNAL AND LIGHTIN PLAN DATE

> PLAN SCALE SHT. NO. TOT. SHT'S. J.L. REF. | W.O. NO. 1"=20' H15189