

**CITY OF LA PALMA  
CALIFORNIA  
PLANS FOR  
ORANGETHORPE AVENUE REHABILITATION  
(FROM MOODY STREET TO WALKER STREET)  
CITY PROJECT NUMBER ST-346**

**CONSTRUCTION NOTES**

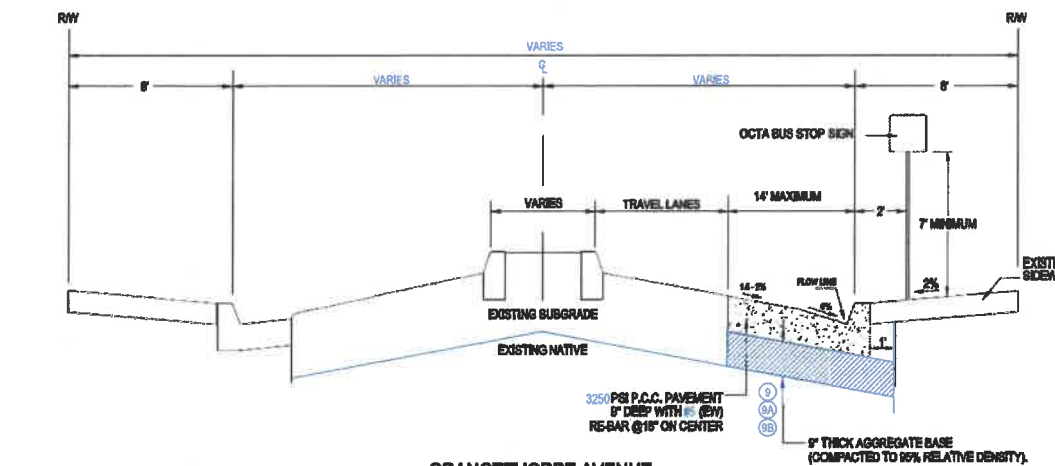
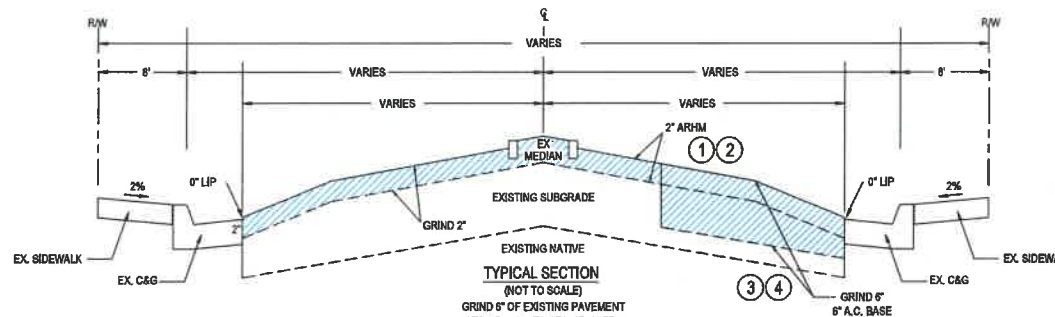
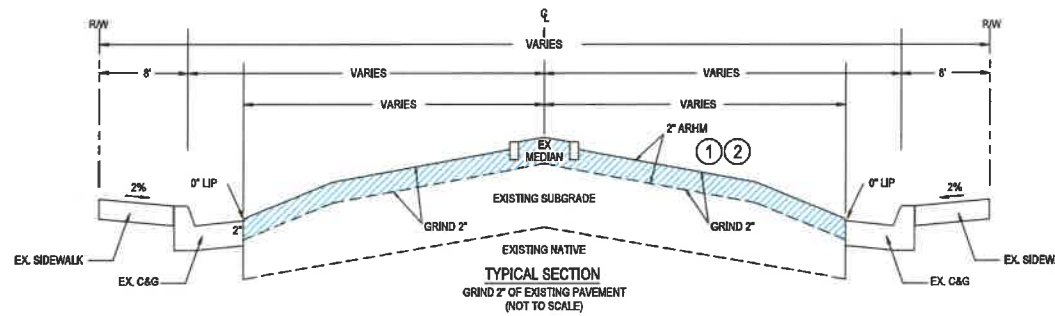
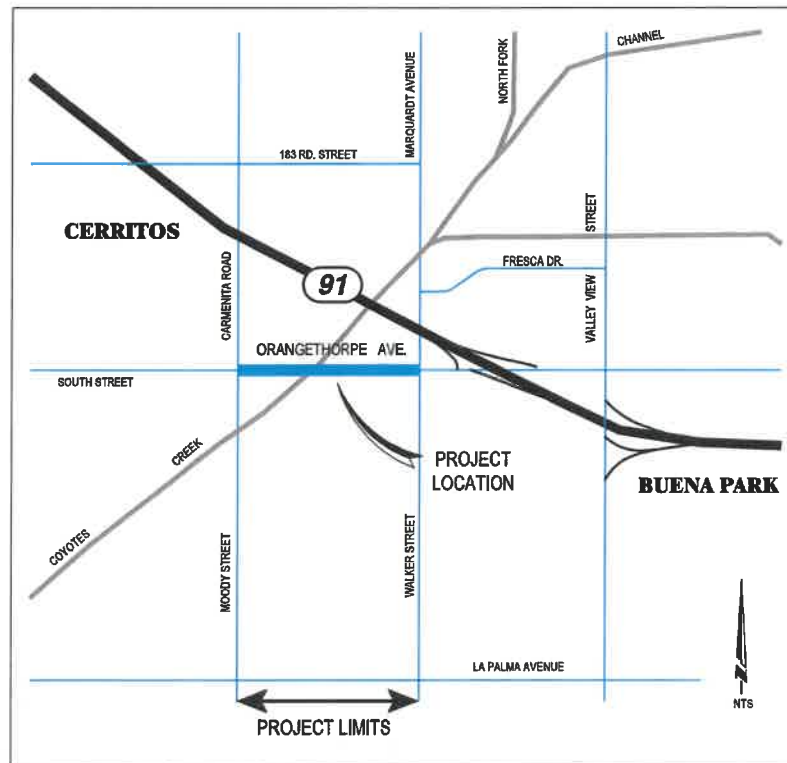
- ① GRIND 2" DEEP OF EXISTING A.C. PAVEMENT
- ② CONSTRUCT 2" THICK ARHM GG-C FINISH COURSE
- ③ GRIND 6" DEEP OF EXISTING A.C. PAVEMENT, BASE AND/OR NATIVE SOIL
- ④ CONSTRUCT 6" THICK A.C. BASE COURSE, TYPE II-B2, PG 64-10 (3/4" ROCK)
- ⑤ CONSTRUCT 4" THICK 5' CONCRETE SIDEWALK
- ⑥A CONSTRUCT 5' MONOLITHIC CONCRETE SIDEWALK WITH 1" MINIMUM HIGH RETENTION CURB
- ⑧ CONSTRUCT CONCRETE CURBS & GUTTER PER SPPWC STD. PLAN 120-2
- ⑦ ADJUST EXISTING WATER VALVE COVER TO GRADE
- ⑧ ADJUST EXISTING SEWER MANHOLE TO GRADE
- ⑨ SAWCUT & REMOVE EXISTING ROADWAY TO A DEPTH OF -18"
- ⑥A CONSTRUCT 14' WIDE, 8" THICK CONCRETE BUS PAD INCLUDING MONOLITHIC CURBS, WITH #5 REBAR @18" ON CENTER, EXACT PAD PLACEMENT WILL VARY, CONTACT OCTA BEFORE PLACING PAD
- ⑥B CONSTRUCT 8" THICK AGGREGATE BASE
- ⑩ REMOVE EXISTING TREE
- ⑪ REMOVE GUARDRAIL

**DISPOSITION NOTES**

- 1 PROTECT IN PLACE

**ABBREVIATION**

- PB PULL BOX  
TSP TRAFFIC SIGNAL POLE  
IB IRRIGATION CONTROL BOX  
LP LIGHT POLE  
SP SIGN POST  
WV WATER VALVE  
FH FIRE HYDRANT  
SMH SEWER MANHOLE  
MW MONITORING WELL  
PED PEDESTAL  
SDMH STORM DRAIN MANHOLE  
UT UTILITY BOX  
PP POWER POLE



**ORANGETHORPE AVENUE  
SECTION AT NEW BUS PAD  
(NOT TO SCALE)**

**GENERAL NOTES**

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, STANDARD PLANS OF THE OCTEA, THE CITY OF CERRITOS WHERE APPLICABLE, THE CITY OF LA PALMA, AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, EACH OF THE MOST CURRENT DATE.
2. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 24 HOURS PRIOR TO CONSTRUCTION @ (714) 860-3310 OR CONTACT NUMBER PROVIDED DURING PRE-CONSTRUCTION MEETING.
3. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER FOR ALL SURVEY AND INSPECTION SERVICES AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF THE AFFECTED IMPROVEMENTS.
4. ALL KNOWN UNDERGROUND UTILITIES AND SUBSTRUCTURES ARE SHOWN ON THE PLANS. LOCATIONS AND GRADES MAY BE APPROXIMATE. THE CONTRACTOR SHALL ASCERTAIN THE EXISTENCE AND TRUE LOCATION OF ALL UNDERGROUND UTILITIES AND SUBSTRUCTURES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT AND FOR ANY DAMAGE TO SUCH FACILITIES CAUSED BY HIS WORK.

**GENERAL NOTES FOR TRAFFIC STRIPING**

- ① ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST CALTRANS, STANDARD PLANS DATED 1990, THE CITY OF LA PALMA STANDARD PLANS AND THE SPECIAL PROVISIONS FOR THIS PROJECT, UNLESS OTHERWISE SPECIFIED.
- ② PAVEMENT LEGENDS AND MARKINGS SHALL MATCH CITY OF LA PALMA STENCILS.
- ③ NEW STRIPING SHALL MATCH EXISTING AT EACH END OF THE PROJECT OR AS DIRECTED BY THE CITY ENGINEER.
- ④ CROSSWALK SHALL TERMINATE AT EDGE OF GUTTER AND ASPHALT PAVEMENT.
- ⑤ ALL STRIPING SHALL BE THERMOPLASTIC.

**STORM WATER POLLUTION PREVENTION PLAN NOTES**

THE CONTRACTOR SHALL PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD. SAID PLAN SHALL INCLUDE THE FOLLOWING AS A MINIMUM (IF THERE IS ANY CONFLICT BETWEEN THESE REQUIREMENTS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN FOR THE SWPPP):

THE CONTRACTOR SHALL SUBMIT A COPY OF THEIR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE ENGINEER FOR APPROVAL.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING BMP'S IN CONJUNCTION WITH ITS ACTIVITIES AND CONSTRUCTION OPERATIONS:

**TEMPORARY SOIL STABILIZATION**

- SS-1 SCHEDULING
- SS-2 PRESERVATION OF EXISTING VEGETATION
- SS-3 HYDRAULIC MULCH
- SS-4 HYDROSEEDING
- SS-5 SOIL BINDER
- SS-6 STRAW MULCH
- SS-7 GEOTEXTILES, PLASTIC COVERS & EROSION CONTROL BLANKETS/MATS
- SC-1 SILT FENCES
- SC-6 FIBER ROLLS
- SC-6 GRAVEL BAG BERM
- SC-7 STREET SWEEPING & VACUUMING
- SC-10 STORM DRAIN INLET PROTECTION

**TRUCKING CONTROL**

- SC-7 STREET SWEEPING & VACUUMING
- NON-STORM WATER MANAGEMENT**
- NS-1 WATER CONSERVATION PRACTICES
- NS-3 PAVING & GRINDING OPERATIONS
- NS-6 ILLICIT DISCHARGE/ILLEGAL DUMPING REPORTING
- VEHICLE AND EQUIPMENT OPERATIONS**
- NS-8 VEHICLE AND EQUIPMENT CLEANING
- NS-9 VEHICLE AND EQUIPMENT FUELING
- NS-10 VEHICLE AND EQUIPMENT MAINTENANCE
- WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL**
- WM-1 MATERIAL DELIVERY & STORAGE
- WM-2 MATERIAL USE
- WM-4 SPILL PREVENTION & CONTROL
- WM-8 CONCRETE WASTE MANAGEMENT
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT

**UTILITIES**

POWER FACILITIES	SO. CALIFORNIA EDISON (S.C.E.)	(714) 870-3219
GAS FACILITIES	THE GAS COMPANY (THE GAS CO.)	(714) 834-3041
TELEPHONE FACILITIES	SBC (SBC)	(714) 237-6288
CABLE TV FACILITIES	TIME WARNER (DON SIMONS)	(714) 943-4347
METROPOLITAN WATER DISTRICT	M.W.D.	(714) 877-5984
WATER & SANITARY SEWER FACILITIES	CITY OF LA PALMA	(714) 890-3310
STORM DRAIN FACILITIES	CITY OF LA PALMA	(714) 890-3310
UNDERGROUND SERVICE ALERT	U.S.A.	(800) 422-4133
ORANGE COUNTY TRANSPORTATION AUTHORITY	(OCTA)	(714) 560-OCTA
CITY OF CERRITOS		(562) 860-0311

**SHEET INDEX**

- 1 TITLE SHEET
- 2 STREET REHABILITATION - STATION 71+78.85 TO 54+22.13
- 3 STREET REHABILITATION - STATION 54+22.13 TO 47+50.00
- 4 STRIPING - STATION 71+78.85 TO 54+22.13
- 5 STRIPING - STATION 54+22.13 TO 47+50.00

**BENCH MARK**

1A-05-88 1994 51.652

IN THE SOUTHEAST PART OF THE INTERSECTION OF ORANGETHORPE AVENUE AND WALKER STREET, 350 FEET EAST OF THE CENTER OF ORANGETHORPE AVENUE, 36 FEET WEST OF THE CENTERLINE OF WALKER STREET, 4 FEET NORTH OF A POWER POLE (NO NUMBER); SET IN THE TOP AND AT THE SOUTHWEST CORNER OF A 4 FOOT BY 11 FOOT CONCRETE CATCH BASIN, 0.8 FEET ABOVE THE ROAD LEVEL.



**AKAL Consultants**  
34 Monserrat Place  
Foothill Ranch, CA 92610  
Ph: 949-586-1006

**CITY OF CERRITOS**  
APPROVED  
DEPARTMENT OF PUBLIC WORKS DATE:

PREPARED UNDER THE SUPERVISION OF DATE  
DRAWN BY AS  
CHECKED KJS  
RECOMMENDED  
CITY OF LA PALMA  
APPROVED  
DEPARTMENT OF PUBLIC WORKS DATE:

**TITLE SHEET  
ORANGETHORPE AVENUE REHABILITATION  
FROM MOODY STREET TO WALKER STREET  
CITY OF LA PALMA**

**ST-346**  
SHEET 1 OF 5

REVISIONS			
NUMBER	DATE	INITIALS	APP'D

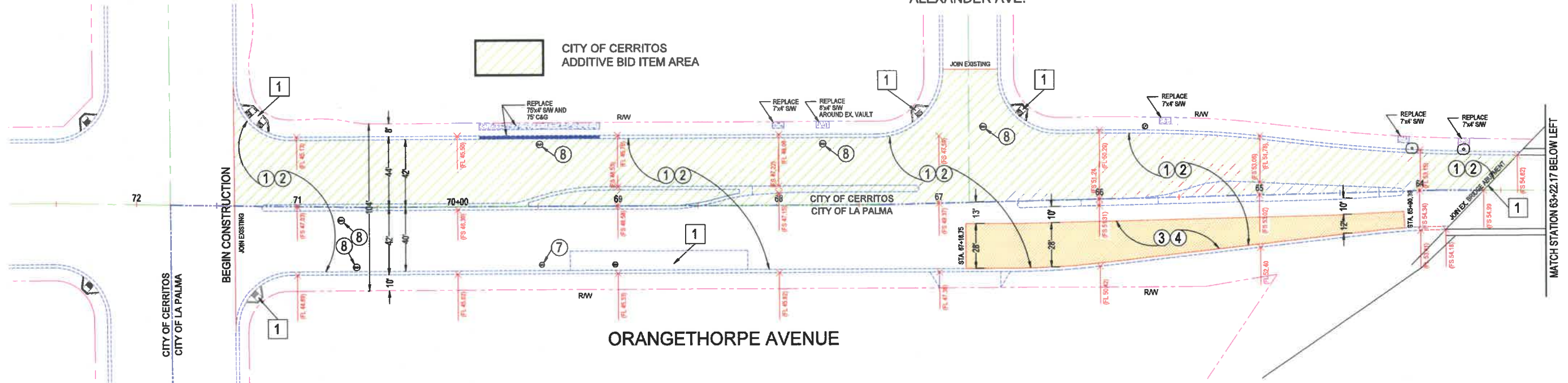
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Date Printed 05/07/2018

CARMENITA RD.

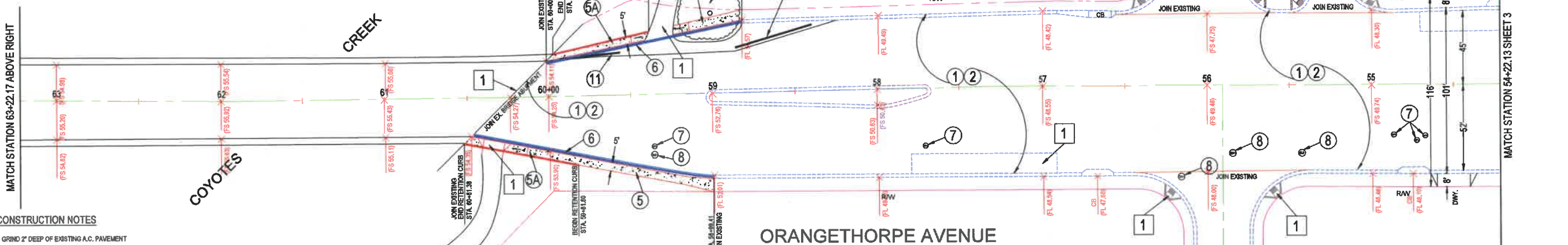
ALEXANDER AVE.

CITY OF CERRITOS  
ADDITIVE BID ITEM AREA



MOODY STREET

ORANGETHORPE AVENUE



CONSTRUCTION NOTES

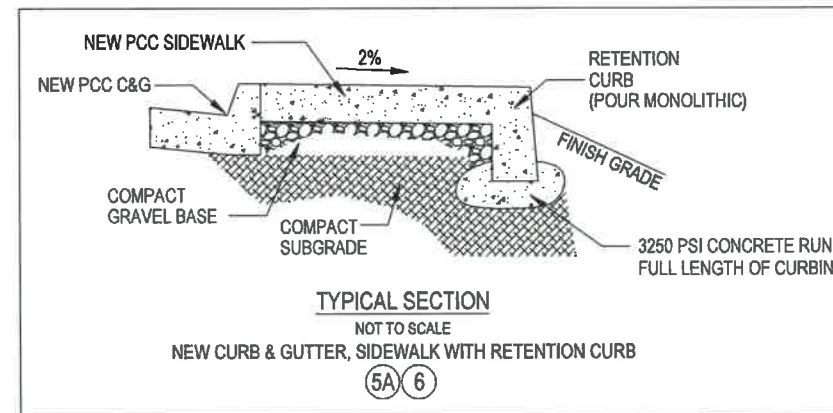
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- ⑩B CONSTRUCT 9" THICK AGGREGATE BASE
- ⑩ REMOVE EXISTING TREE
- ⑪ REMOVE GUARDRAIL

DISPOSITION NOTES

- ① PROTECT IN PLACE

ABBREVIATION

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- TSP TRAFFIC SIGNAL POLE
- IB IRRIGATION CONTROL BOX
- LP LIGHT POLE
- SP SIGN POST
- WW WATER VALVE
- FH FIRE HYDRANT
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- MW MONITORING WELL
- PED PEDESTAL
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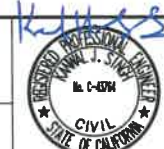
CITY OF CERRITOS  
 APPROVED \_\_\_\_\_ DATE: \_\_\_\_\_  
 DEPARTMENT OF PUBLIC WORKS

SOMMERSET CIR.



AKAL Consultants

34 Somerset Place  
 Foothill Ranch, CA 92610  
 Ph: 949-566-1006



SCALE: 1" = 30'

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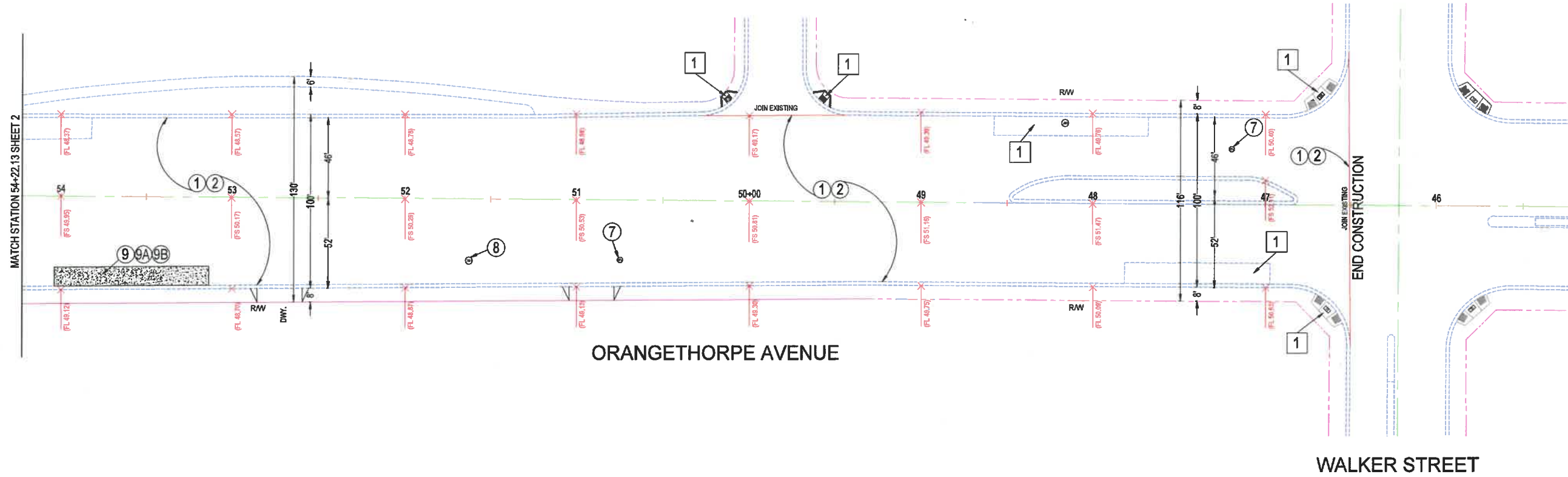
STREET REHABILITATION PLAN  
 ORANGETHORPE AVENUE  
 FROM MOODY STREET TO WALKER STREET

CITY OF LA PALMA

ST-346

SHEET 2 OF 5

Date Printed 06/05/2018



**CONSTRUCTION NOTES**

- ① GRIND 2" DEEP OF EXISTING A.C. PAVEMENT
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- ③ GRIND 6" DEEP OF EXISTING A.C. PAVEMENT, BASE AND/OR NATIVE SOIL
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**DISPOSITION NOTES**

- ① PROTECT IN PLACE
- ABBREVIATION**
- PB PULL BOX
  - TSP TRAFFIC SIGNAL POLE
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  - LP LIGHT POLE
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  - MW MONITORING WELL
  - PED PEDESTAL
  - SDMH STORM DRAIN MANHOLE
  - UT UTILITY BOX
  - PP POWER POLE
  - TR TRAFFIC PULL BOX

**REVISIONS**

**REFERENCES**

NUMBER	DATE	INITIALS	APPYD

REFERENCE	DESCRIPTION

CITY OF CERRITOS

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

DEPARTMENT OF PUBLIC WORKS

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CITY OF LA PALMA

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**AKAL Consultants**

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Foothill Ranch, CA 92610  
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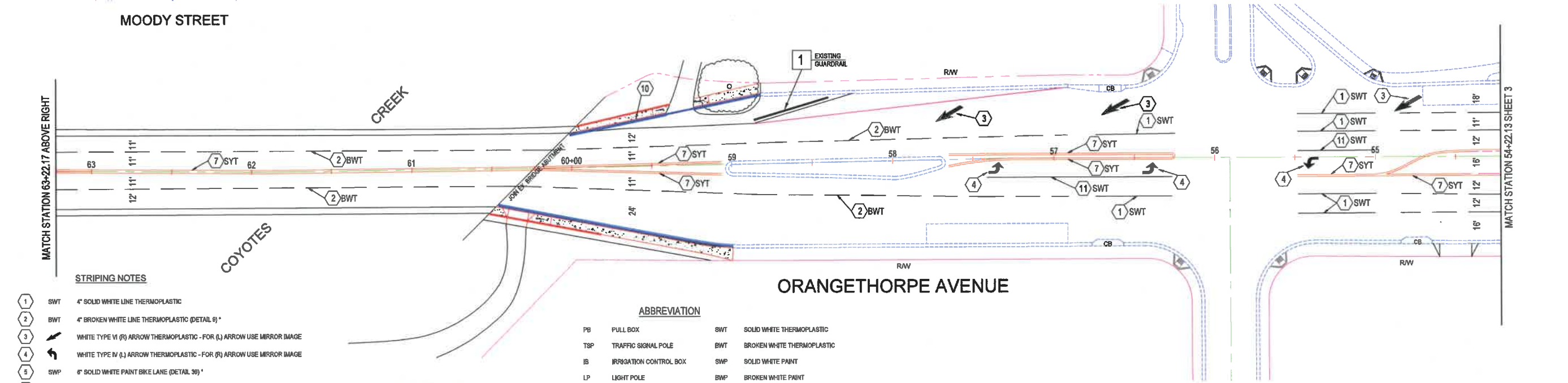
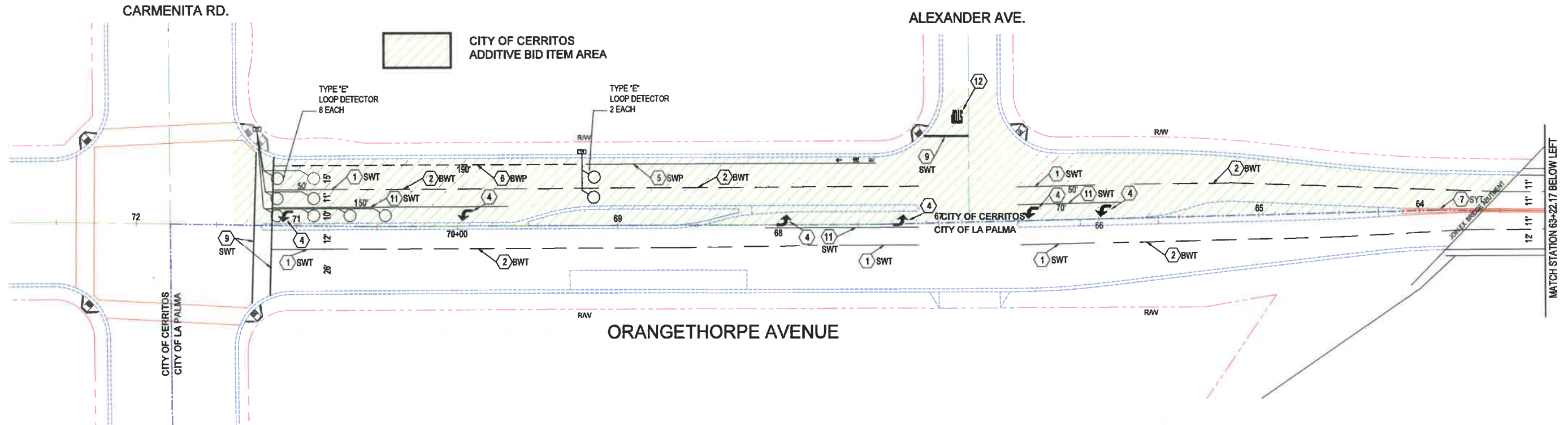
**STREET REHABILITATION PLAN**  
**ORANGETHORPE AVENUE**  
**FROM MOODY STREET TO WALKER STREET**

**CITY OF LA PALMA**

**ST-346**

SHEET 3 OF 5

Date Printed 05/07/2018



- STRIPING NOTES**
- 1 4" SOLID WHITE LINE THERMOPLASTIC
  - 2 4" BROKEN WHITE LINE THERMOPLASTIC (DETAIL 9)
  - 3 WHITE TYPE VI (R) ARROW THERMOPLASTIC - FOR (L) ARROW USE MIRROR IMAGE
  - 4 WHITE TYPE IV (L) ARROW THERMOPLASTIC - FOR (R) ARROW USE MIRROR IMAGE
  - 5 SWP 6" SOLID WHITE PAINT BIKE LANE (DETAIL 39)
  - 6 BWP 6" BROKEN WHITE PAINT BIKE LANE (DETAIL 38A)
  - 7 SYT 4" SOLID YELLOW THERMOPLASTIC LINE (DETAIL 22)
  - 8 SBYT 4" SOLID/BROKEN YELLOW THERMOPLASTIC LINE (DETAIL 32)
  - 9 12" SOLID WHITE LINE THERMOPLASTIC
  - 10 INSTALL 6 SIGNS & POSTS, SAME AS WESTBOUND APPROACH AT SAME SPACING
  - 11 8" SOLID WHITE LINE THERMOPLASTIC
  - 12 WHITE THERMOPLASTIC PAVEMENT MARKINGS WORDS

- DISPOSITION NOTES**
- 1 PROTECT IN PLACE

- ABBREVIATION**
- |                           |  |
|---------------------------|--|
| PB PULL BOX               | SWT SOLID WHITE THERMOPLASTIC          |
| TSP TRAFFIC SIGNAL POLE   | BWT BROKEN WHITE THERMOPLASTIC         |
| IB IRRIGATION CONTROL BOX | SWP SOLID WHITE PAINT                  |
| LP LIGHT POLE             | BWP BROKEN WHITE PAINT                 |
| SP SIGN POST              | SYT SOLID YELLOW THERMOPLASTIC         |
| WV WATER VALVE            | SBYT SOLID/BROKEN YELLOW THERMOPLASTIC |
| FH FIRE HYDRANT           |  |
| SMH SEWER MANHOLE         |  |
| MW MONITORING WELL        |  |
| PED PEDESTAL              |  |
| SDMH STORM DRAIN MANHOLE  |  |
| UT UTILITY BOX            |  |
| PP POWER POLE             |  |
| TR TRAFFIC PULL BOX       |  |

A. \* DETAIL NUMBERS IN PARENTHESES REFER TO DETAIL SHOWN IN CALTRANS STANDARD PLANS A20-A, A20-B, A20-C, A24-D, AND A24-E.  
 B. ALL STRIPING TO BE THERMOPLASTIC, EXCEPT BIKE LANES & LEGENDS TO BE PAINT.

REVISIONS			
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CITY OF CERRITOS

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**STRIPING PLAN**  
**ORANGETHORPE AVENUE**  
**FROM MOODY STREET TO WALKER STREET**

**CITY OF LA PALMA**



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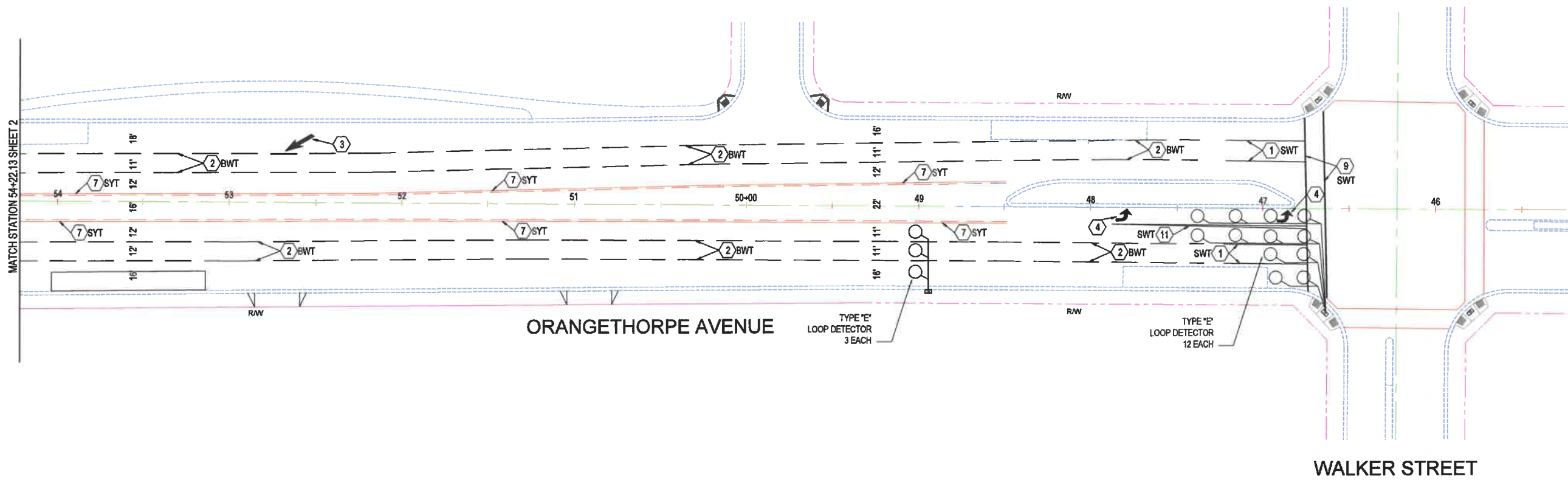
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**ST-346**

SHEET 4 OF 5

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**STRIPING NOTES**

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- 5 SWP 6" SOLID WHITE PAINT BIKE LANE (DETAIL 38) \*
- 6 BWP 8" BROKEN WHITE PAINT BIKE LANE (DETAIL 38A) \*
- 7 SYT 4" SOLID YELLOW THERMOPLASTIC LINE (DETAIL 22) \*
- 8 SBYT 4" SOLIDBROKEN YELLOW THERMOPLASTIC LINE (DETAIL 32) \*
- 9 SWT 12" SOLID WHITE LINE THERMOPLASTIC
- 10 INSTALL 6 SIGNS & POSTS, SAME AS WESTBOUND APPROACH AT SAME SPACING
- 11 SWT 8" SOLID WHITE LINE THERMOPLASTIC
- 12 [Symbol] WHITE THERMOPLASTIC PAVEMENT MARKINGS WORDS

**ABBREVIATION**

- PB PULL BOX
- TSP TRAFFIC SIGNAL POLE
- IB IRRIGATION CONTROL BOX
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- PP POWER POLE
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- SWT SOLID WHITE THERMOPLASTIC
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**DISPOSITION NOTES**

- 1 PROTECT IN PLACE

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SHEET 5 OF 5

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