# CITY OF LA PALMA
# CALIFORNIA
# PLANS FOR
# LA PALMA AVENUE REHABILITATION
# (FROM WEST CITY LIMITS TO VALLEY VIEW STREET)
# STATE PROJECT NO.: SLPPL 5319 (015)
# CITY PROJECT NO.: ST-324

## CONSTRUCTION NOTES

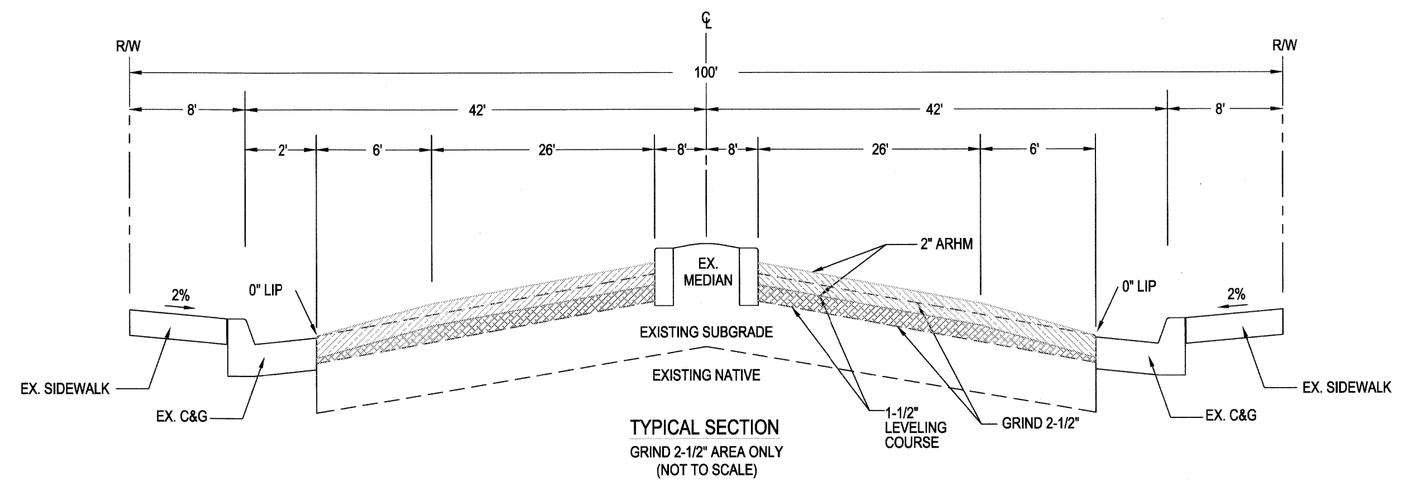
1. COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADE.
2. PLACE1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, TYPE III B3 PG 70-10, TAPER LEVEL COURSE AS REQUIRED THROUGHOUT AND TAPER AT OUTER 6' OF ROADWAY FROM 1-1/2" THICK TO 1/2" THICK AT GUTTER.
3. CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.
4. GRIND ROADWAY 9-1/2" BELOW EXISTING GRADE.
5. CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
6. REMOVE & REPLACE CONCRETE CURB & GUTTER, RESTORE PROPER FLOW.
7. REMOVE & REPLACE MEDIAN CONCRETE CURB TO MATCH EXISTING.
8. REMOVE & REPLACE CONCRETE SIDEWALK.
9. REMOVE & RECONSTRUCT CONCRETE DRIVEWAY APPROACH.
10. REMOVE & RECONSTRUCT WHEELCHAIR RAMP WITH YELLOW DETECTABLE WARNING SURFACE PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN, CONCRETE REMOVAL AREA IS FROM BCR TO ECR.
11. FURNISH AND INSTALL YELLOW DETECTABLE WARNING SURFACE ON EXISTING WHEELCHAIR RAMP PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN.
12. ADJUST EXISTING WATER VALVE COVER TO GRADE.
13. ADJUST EXISTING SEWER MANHOLE COVERTO GRADE.
14. ADJUST EXISTING STORM DRAIN MANHOLE COVER TO GRADE.
15. REMOVE & RECONSTRUCT CONCRETE CROSS GUTTER & SPANDREL.
16. CONSTRUCT 4" THICK PATTERNED CONCRETE.
17. RESTORE MEDIAN LANDSCAPE AND IRRIGATION SYSTEM

## DISPOSITION NOTES

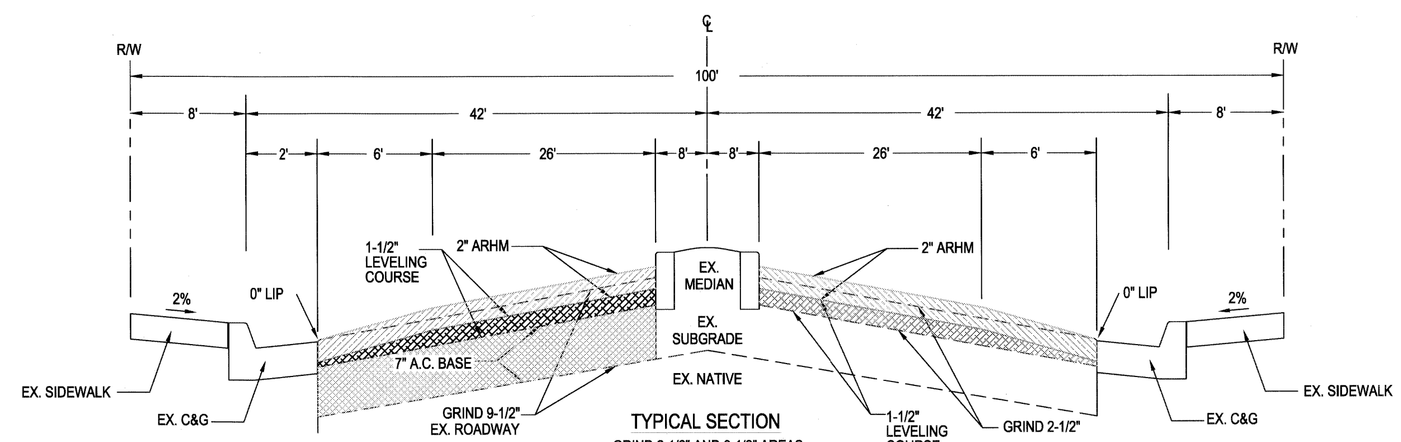
1. PROTECT IN PLACE

## ABBREVIATION

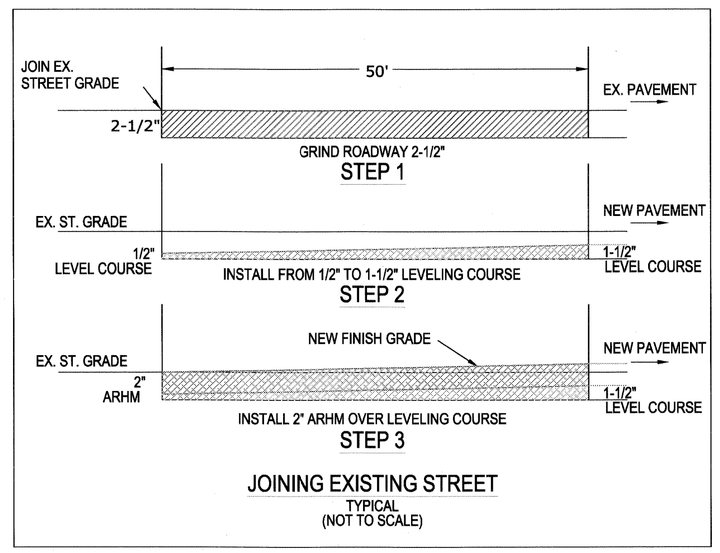
| | |
|---|---|
| PB | PULL BOX |
| TP | TRAFFIC SIGNAL POLE |
| IB | IRRIGATION CONTROL BOX |
| LP | LIGHT POLE |
| SP | SIGN POST |
| WV | WATER VALVE |
| FH | FIRE HYDRANT |
| SMH | SEWER MANHOLE |
| MW | MONITORING WELL |
| PED | PEDESTAL |
| SDMH | STORM DRAIN MANHOLE |
| UT | UTILITY BOX |
| PP | POWER POLE |
| SR2S | SAFE ROUTE TO SCHOOL SIGN |
| UT | UTILITY |



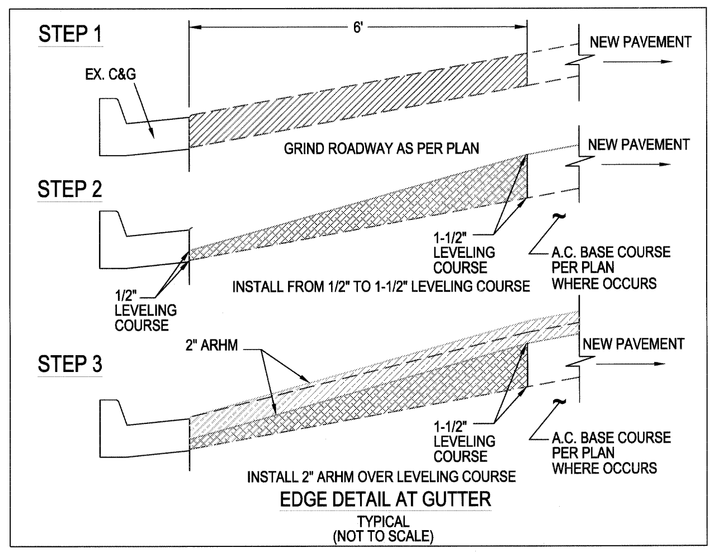

TYPICAL SECTION
GRIND 2-1/2" AREA ONLY
(NOT TO SCALE)




TYPICAL SECTION
GRIND 2-1/2" AND 9-1/2" AREAS
(NOT TO SCALE)




JOINING EXISTING STREET
TYPICAL
(NOT TO SCALE)




EDGE DETAIL AT GUTTER
TYPICAL
(NOT TO SCALE)

## GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, STANDARD PLANS OF THE OCEMA AND 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) 690-3310
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, 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. LANE LINES SHALL BE PAINT. LIMIT LINES, CROSS-WALK AND LEGENDS 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, PRIOR TO START OF CONSTRUCTION WORK.

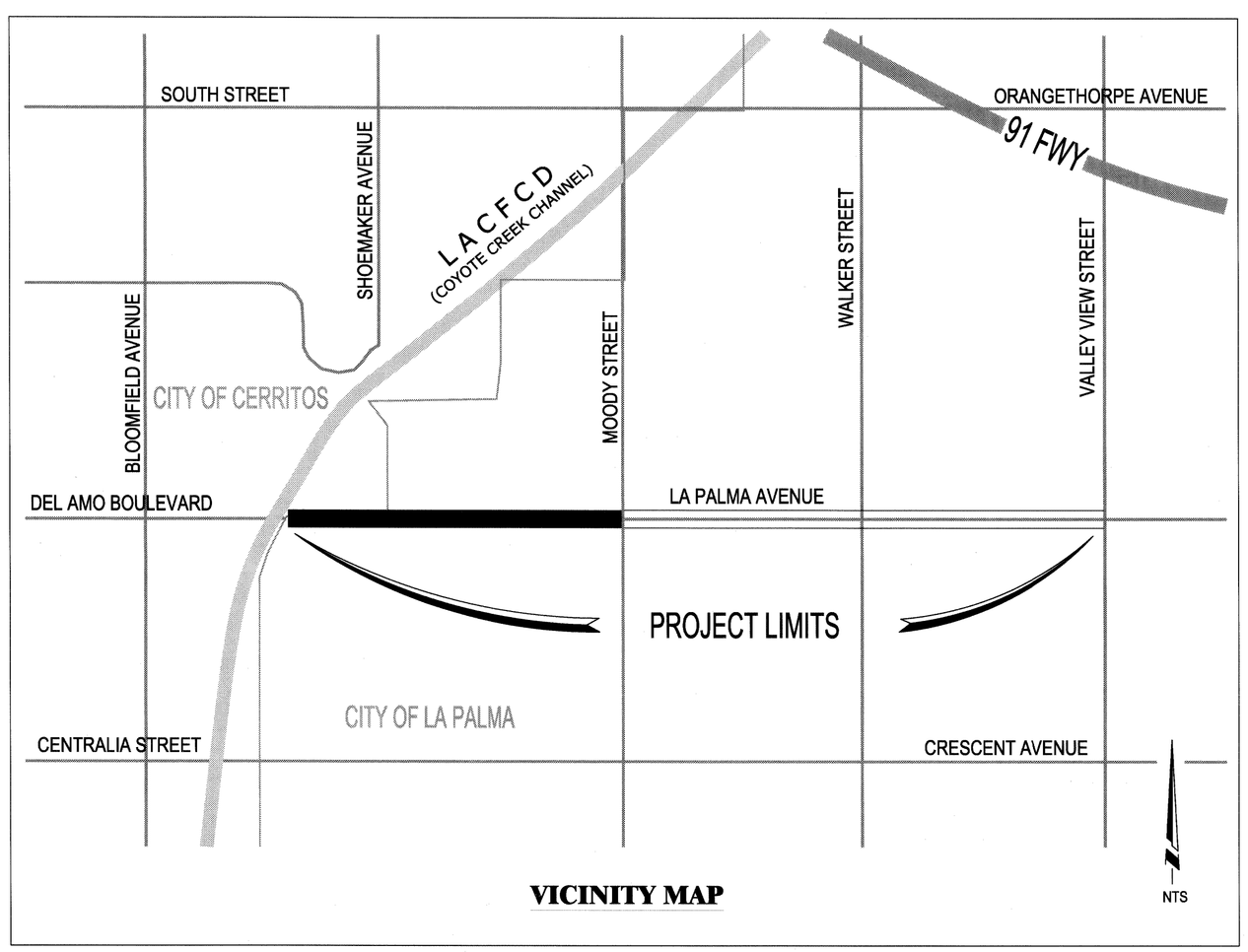
THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING BMP'S IN CONJUNCTION WITH ITS ACTIVITIES AND CONSTRUCTION OPERATIONS:

| | |
|---|---|
| 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 |
| TEMPORARY SEDIMENT CONTROL | |
| SC-1 | SILT FENCES |
| SC-5 | 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/ILLIGAL 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

THE CONTRACTOR SHALL COORDINATE UTILITY COVER GRADE ADJUSTMENT WORK WITH UTILITY COMPANIES.

| | | | |
|---|---|---|---|
| POWER FACILITIES | SO. CALIFORNIA EDISON | (S.C.E.) | (714) 870-3219 |
| GAS FACILITIES | THE GAS COMPANY | (THE GAS CO.) | (714) 634-3041 |
| TELEPHONE FACILITIES | AT&T | (AT&T)) | (714) 237-6298 |
| CABLE TV FACILITIES | TIME WARNER | (DON SIMONS) | (714) 943-8347 |
| METROPOLITAN WATER DISTRICT | M.W.D. | (RICK BICKER OR TIM HATCH) | (714) 577-5084 |
| WATER & SANITARY SEWER FACILITIES | CITY OF LA PALMA | | (714) 690-3310 |
| STORM DRAIN FACILITIES | CITY OF LA PALMA | | (714) 690-3310 |
| UNDERGROUND SERVICE ALERT | | U.S.A. | (800) 422-4133 |
| ORANGE COUNTY TRANSPORTATION AUTHORITY | | (OCTA) | (714) 560-OCTA |




VICINITY MAP

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-227-2600 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REGISTERED PROFESSIONAL ENGINEER — KAMAL J. STRUD — No. C-43764 — EXP. 6/30/2013 — CIVIL — STATE OF CALIFORNIA


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


## LEGEND

COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADE.
PLACE 1/2" TO 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

GRIND ROADWAY 9-1/2" BELOW EXISTING GRADE.
CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
PLACE 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

## SHEET INDEX


1 TITLE SHEET
2 STREET REHABILITATION - STATION 4+28 TO 22+50
3 STREET REHABILITATION - STATION 22+50 TO 38+50
4 STRIPING - STATION 4+28 TO 22+50
5 STRIPING - STATION 22+50 TO 38+50


**REVISIONS**

| NUMBER | DATE | INITIALS | | APPV'D |
|---|---|---|---|---|
| | | | | |

**REFERENCES**

| | |
|---|---|
| | |

| PREPARED UNDER THE SUPERVISION OF | | DATE |
|---|---|---|
| DRAWN BY | AS | 12/10/2012 |
| CHECKED | KJS | 12/15/2012 |
| RECOMMENDED | | |
| CITY OF LA PALMA APPROVED — DEPARTMENT OF PUBLIC WORKS | | 3/25/13 DATE: |

TITLE SHEET
LA PALMA AVENUE REHABILITATION
FROM WEST CITY LIMITS TO VALLEY VIEW STREET

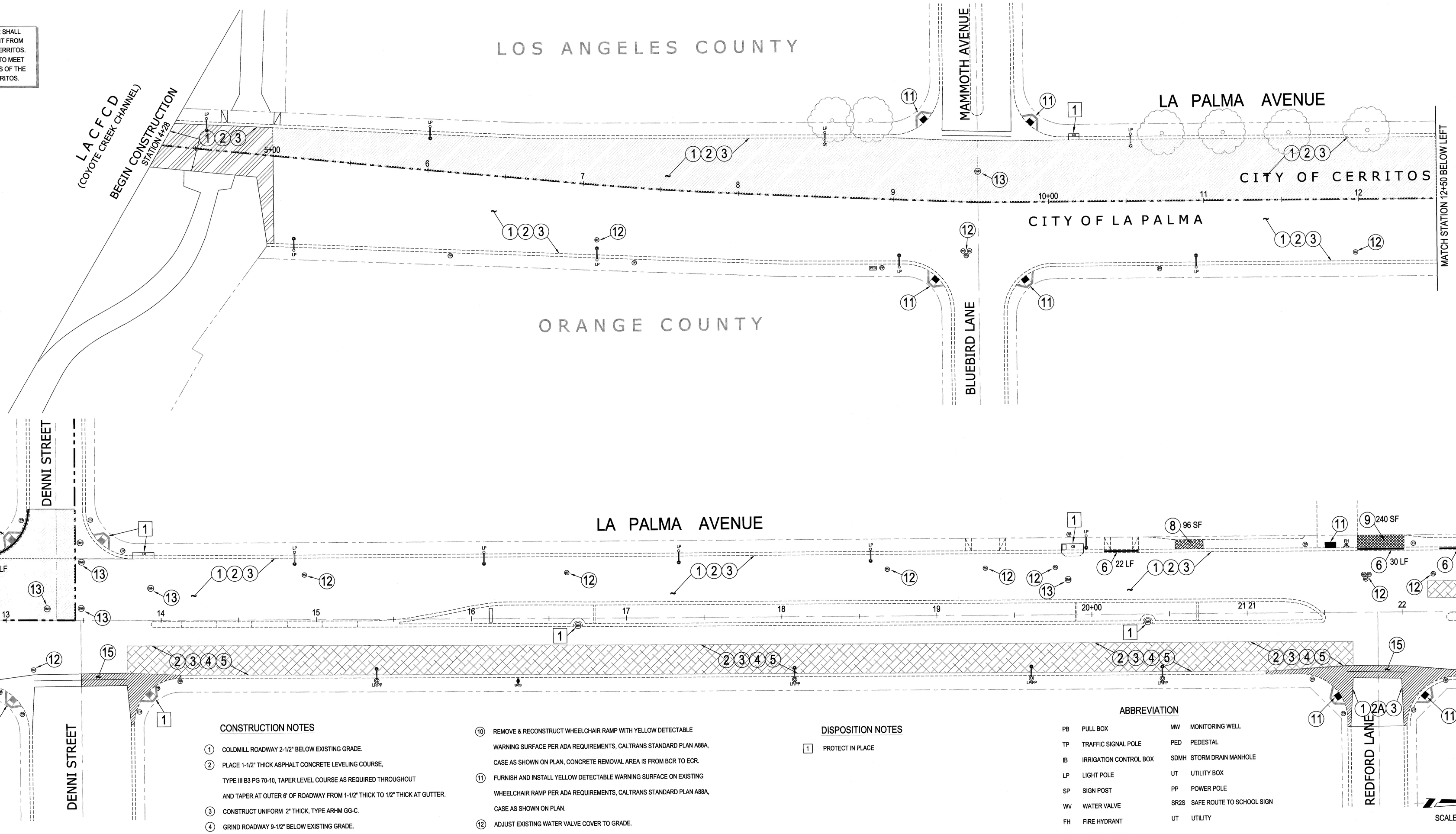
CITY OF LA PALMA

CITY PROJECT NO.
ST-324

SHEET 1 OF 5

Date Printed 12/15/2012

CONTRACTOR SHALL OBTAIN PERMIT FROM THE CITY OF CERRITOS. DOME COLOR TO MEET REQUIREMENTS OF THE CITY OF CERRITOS.




SCALE: 1" = 30'

## CONSTRUCTION NOTES

1. COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADE.
2. PLACE 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, TYPE III B3 PG 70-10, TAPER LEVEL COURSE AS REQUIRED THROUGHOUT AND TAPER AT OUTER 6' OF ROADWAY FROM 1-1/2" THICK TO 1/2" THICK AT GUTTER.
3. CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.
4. GRIND ROADWAY 9-1/2" BELOW EXISTING GRADE.
5. CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
6. REMOVE & REPLACE CONCRETE CURB & GUTTER, RESTORE PROPER FLOW.
7. REMOVE & REPLACE MEDIAN CONCRETE CURB TO MATCH EXISTING.
8. REMOVE & REPLACE CONCRETE SIDEWALK.
9. REMOVE & RECONSTRUCT CONCRETE DRIVEWAY APPROACH.
10. REMOVE & RECONSTRUCT WHEELCHAIR RAMP WITH YELLOW DETECTABLE WARNING SURFACE PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN, CONCRETE REMOVAL AREA IS FROM BCR TO ECR.
11. FURNISH AND INSTALL YELLOW DETECTABLE WARNING SURFACE ON EXISTING WHEELCHAIR RAMP PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN.
12. ADJUST EXISTING WATER VALVE COVER TO GRADE.
13. ADJUST EXISTING SEWER MANHOLE COVER TO GRADE.
14. ADJUST EXISTING STORM DRAIN MANHOLE COVER TO GRADE.
15. REMOVE & RECONSTRUCT CONCRETE CROSS GUTTER & SPANDREL.
16. CONSTRUCT 4" THICK PATTERNED CONCRETE.
17. RESTORE MEDIAN LANDSCAPE AND IRRIGATION SYSTEM.

## DISPOSITION NOTES

1. PROTECT IN PLACE

## LEGEND

COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADES.
PLACE MINIMUM 1/2" TO 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE,
CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

GRIND ROADWAY 9-1/2" BELOW EXISTING GRADES.
CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
PLACE MINIMUM 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE,
CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

## ABBREVIATION

| | | | |
|---|---|---|---|
| PB | PULL BOX | MW | MONITORING WELL |
| TP | TRAFFIC SIGNAL POLE | PED | PEDESTAL |
| IB | IRRIGATION CONTROL BOX | SDMH | STORM DRAIN MANHOLE |
| LP | LIGHT POLE | UT | UTILITY BOX |
| SP | SIGN POST | PP | POWER POLE |
| WV | WATER VALVE | SR2S | SAFE ROUTE TO SCHOOL SIGN |
| FH | FIRE HYDRANT | UT | UTILITY |
| SMH | SEWER MANHOLE | | |

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-227-2600 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT


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


REGISTERED PROFESSIONAL ENGINEER — KAMAL J. SHAH — No. C-43764 — EXP. 6/30/2013 — CIVIL — STATE OF CALIFORNIA

Date Printed 12/15/2012

| REVISIONS | | | | |
|---|---|---|---|---|
| NUMBER | DATE | INITIALS | | APPV'D |

| REFERENCES | |
|---|---|
| | |

| PREPARED UNDER THE SUPERVISION OF | | DATE |
|---|---|---|
| DRAWN BY | AS | 12/10/2012 |
| CHECKED | KJS | 12/15/2012 |
| RECOMMENDED | | |
| CITY OF LA PALMA APPROVED — DEPARTMENT OF PUBLIC WORKS | | 3/25/13 DATE: |

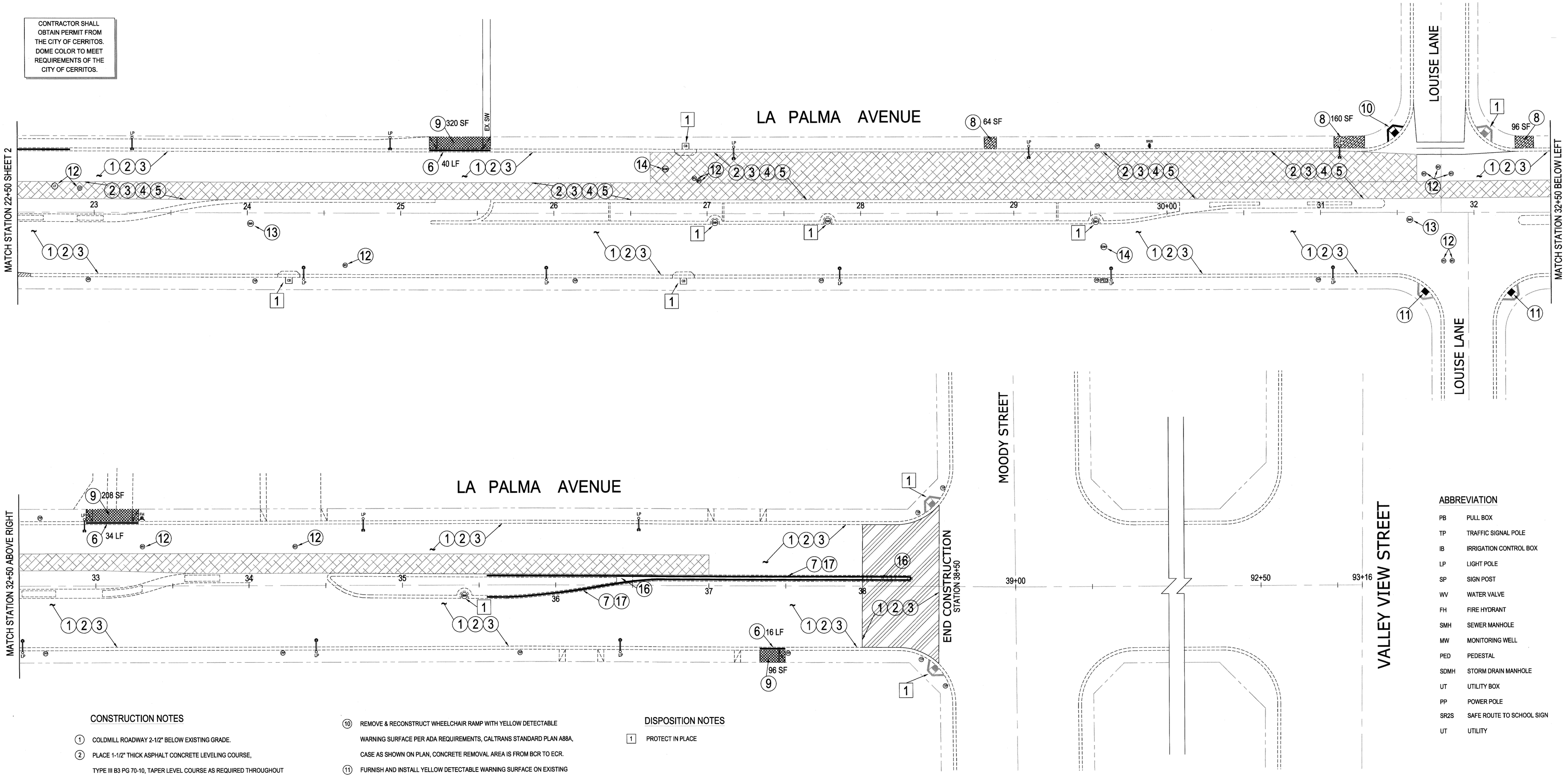
# STREET REHABILITATION PLAN
# LA PALMA AVENUE
# FROM WEST CITY LIMITS TO VALLEY VIEW STREET

## CITY OF LA PALMA

CITY PROJECT NO.
**ST- 324**

SHEET 2 OF 5

CONTRACTOR SHALL OBTAIN PERMIT FROM THE CITY OF CERRITOS. DOME COLOR TO MEET REQUIREMENTS OF THE CITY OF CERRITOS.




## ABBREVIATION

| | |
|---|---|
| PB | PULL BOX |
| TP | 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 |
| SR2S | SAFE ROUTE TO SCHOOL SIGN |
| UT | UTILITY |

## CONSTRUCTION NOTES

1. COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADE.
2. PLACE 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, TYPE III B3 PG 70-10, TAPER LEVEL COURSE AS REQUIRED THROUGHOUT AND TAPER AT OUTER 6' OF ROADWAY FROM 1-1/2" THICK TO 1/2" THICK AT GUTTER.
3. CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.
4. GRIND ROADWAY 9-1/2" BELOW EXISTING GRADE.
5. CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
6. REMOVE & REPLACE CONCRETE CURB & GUTTER, RESTORE PROPER FLOW.
7. REMOVE & REPLACE MEDIAN CONCRETE CURB TO MATCH EXISTING.
8. REMOVE & REPLACE CONCRETE SIDEWALK.
9. REMOVE & RECONSTRUCT CONCRETE DRIVEWAY APPROACH.
10. REMOVE & RECONSTRUCT WHEELCHAIR RAMP WITH YELLOW DETECTABLE WARNING SURFACE PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN, CONCRETE REMOVAL AREA IS FROM BCR TO ECR.
11. FURNISH AND INSTALL YELLOW DETECTABLE WARNING SURFACE ON EXISTING WHEELCHAIR RAMP PER ADA REQUIREMENTS, CALTRANS STANDARD PLAN A88A, CASE AS SHOWN ON PLAN.
12. ADJUST EXISTING WATER VALVE COVER TO GRADE.
13. ADJUST EXISTING SEWER MANHOLE COVER TO GRADE.
14. ADJUST EXISTING STORM DRAIN MANHOLE COVER TO GRADE.
15. REMOVE & RECONSTRUCT CONCRETE CROSS GUTTER & SPANDREL.
16. CONSTRUCT 4" THICK PATTERNED CONCRETE.
17. RESTORE MEDIAN LANDSCAPE AND IRRIGATION SYSTEM.

## DISPOSITION NOTES

1. PROTECT IN PLACE

SCALE: 1" = 30'

## LEGEND

COLDMILL ROADWAY 2-1/2" BELOW EXISTING GRADES.
PLACE MINIMUM 1/2" TO 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

GRIND ROADWAY 9-1/2" BELOW EXISTING GRADES.
CONSTRUCT 7" ASPHALT CONCRETE BASE, TYPE III B3 PG 70-10.
PLACE MINIMUM 1-1/2" THICK ASPHALT CONCRETE LEVELING COURSE, CONSTRUCT UNIFORM 2" THICK, TYPE ARHM GG-C.

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-226-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT


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


REGISTERED PROFESSIONAL ENGINEER KAMAL J. SINGH No. C-43764 EXP. 6/30/2013 CIVIL STATE OF CALIFORNIA

Kamal Jeet Singh

| REVISIONS | | | | |
|---|---|---|---|---|
| NUMBER | DATE | INITIALS | | APPV'D |

| REFERENCES | |
|---|---|
| | |

| PREPARED UNDER THE SUPERVISION OF | | DATE |
|---|---|---|
| DRAWN BY | AS | 12/10/2012 |
| CHECKED | KJS | 12/15/2012 |
| RECOMMENDED | | |
| CITY OF LA PALMA APPROVED | DEPARTMENT OF PUBLIC WORKS | 3/25/13 DATE: |

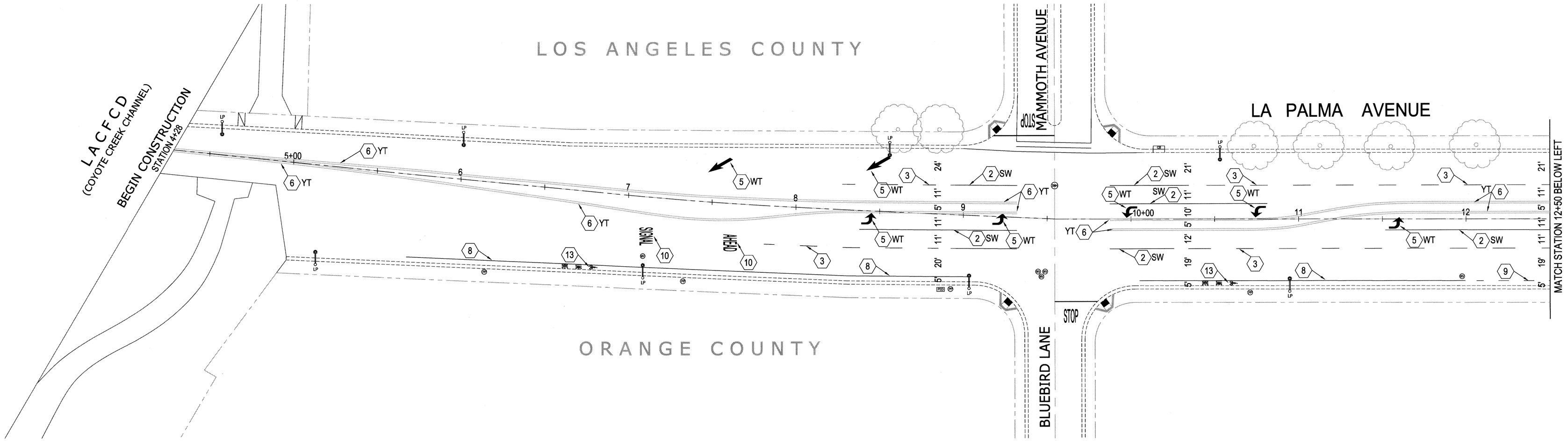
# STREET REHABILITATION PLAN
# LA PALMA AVENUE
# FROM WEST CITY LIMITS TO VALLEY VIEW STREET

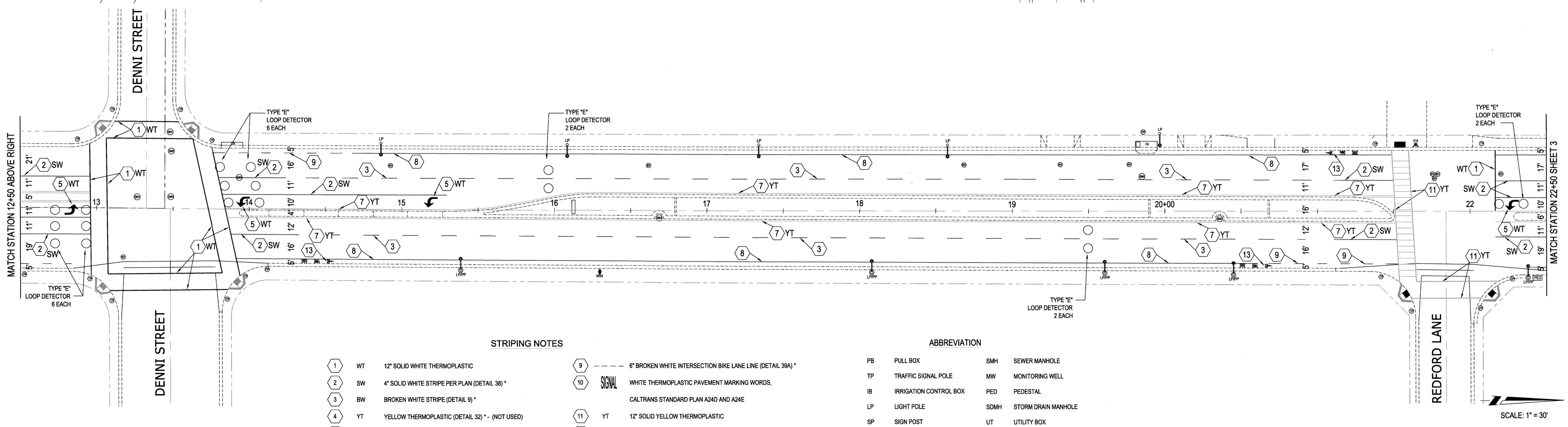
CITY OF LA PALMA

CITY PROJECT NO.
ST- 324

SHEET 3 OF 5

Date Printed 12/15/2012




## STRIPING NOTES

| | | |
|---|---|---|
| 1 | WT | 12" SOLID WHITE THERMOPLASTIC |
| 2 | SW | 4" SOLID WHITE STRIPE PER PLAN (DETAIL 38) * |
| 3 | BW | BROKEN WHITE STRIPE (DETAIL 9) * |
| 4 | YT | YELLOW THERMOPLASTIC (DETAIL 32) * - (NOT USED) |
| 5 | | WHITE THERMOPLASTIC ARROW TYPE IV (L), USE MIRROR IMAGE FOR (R) ARROW PER CALTRANS STANDARD PLAN A24A |
| 6 | | DOUBLE 4' SOLID YELLOW (DETAIL 22) * |
| 7 | | EDGE LINE (DETAIL 26)* |
| 8 | | 6" SOLID WHITE BIKE LANE LINE (DETAIL 39) * |
| 9 | | 6" BROKEN WHITE INTERSECTION BIKE LANE LINE (DETAIL 39A) * |
| 10 | SIGNAL | WHITE THERMOPLASTIC PAVEMENT MARKING WORDS, CALTRANS STANDARD PLAN A24D AND A24E |
| 11 | YT | 12" SOLID YELLOW THERMOPLASTIC |
| 12 | YT | YELLOW THERMOPLASTIC (DETAIL 29) * |
| 13 | | WHITE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON PER CALTRANS STANDARD PLAN A 24C & A 24D |

* DETAIL NUMBERS IN PARENTHESES REFER TO DETAIL SHOWN IN CALTRANS STANDARD PLANS A 20A, A 20B, A 20D, A 24A, A 24C, A 24D AND A 24E

## ABBREVIATION

| | | | |
|---|---|---|---|
| PB | PULL BOX | SMH | SEWER MANHOLE |
| TP | TRAFFIC SIGNAL POLE | MW | MONITORING WELL |
| IB | IRRIGATION CONTROL BOX | PED | PEDESTAL |
| LP | LIGHT POLE | SDMH | STORM DRAIN MANHOLE |
| SP | SIGN POST | UT | UTILITY BOX |
| WV | WATER VALVE | PP | POWER POLE |
| FH | FIRE HYDRANT | SR2S | SAFE ROUTE TO SCHOOL SIGN |
| | | UT | UTILITY |

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-226-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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

REGISTERED PROFESSIONAL ENGINEER
KAMAL J. SINGH
No. C-43764
EXP. 6/30/2013
CIVIL
STATE OF CALIFORNIA

| REVISIONS | | | | |
|---|---|---|---|---|
| NUMBER | DATE | INITIALS | | APPV'D |

| REFERENCES | |
|---|---|
| | |

| PREPARED UNDER THE SUPERVISION OF | | DATE |
|---|---|---|
| DRAWN BY | AS | 12/10/2012 |
| CHECKED | KJS | 12/15/2012 |
| RECOMMENDED | | |
| CITY OF LA PALMA APPROVED DEPARTMENT OF PUBLIC WORKS | | 3/25/13 DATE: |

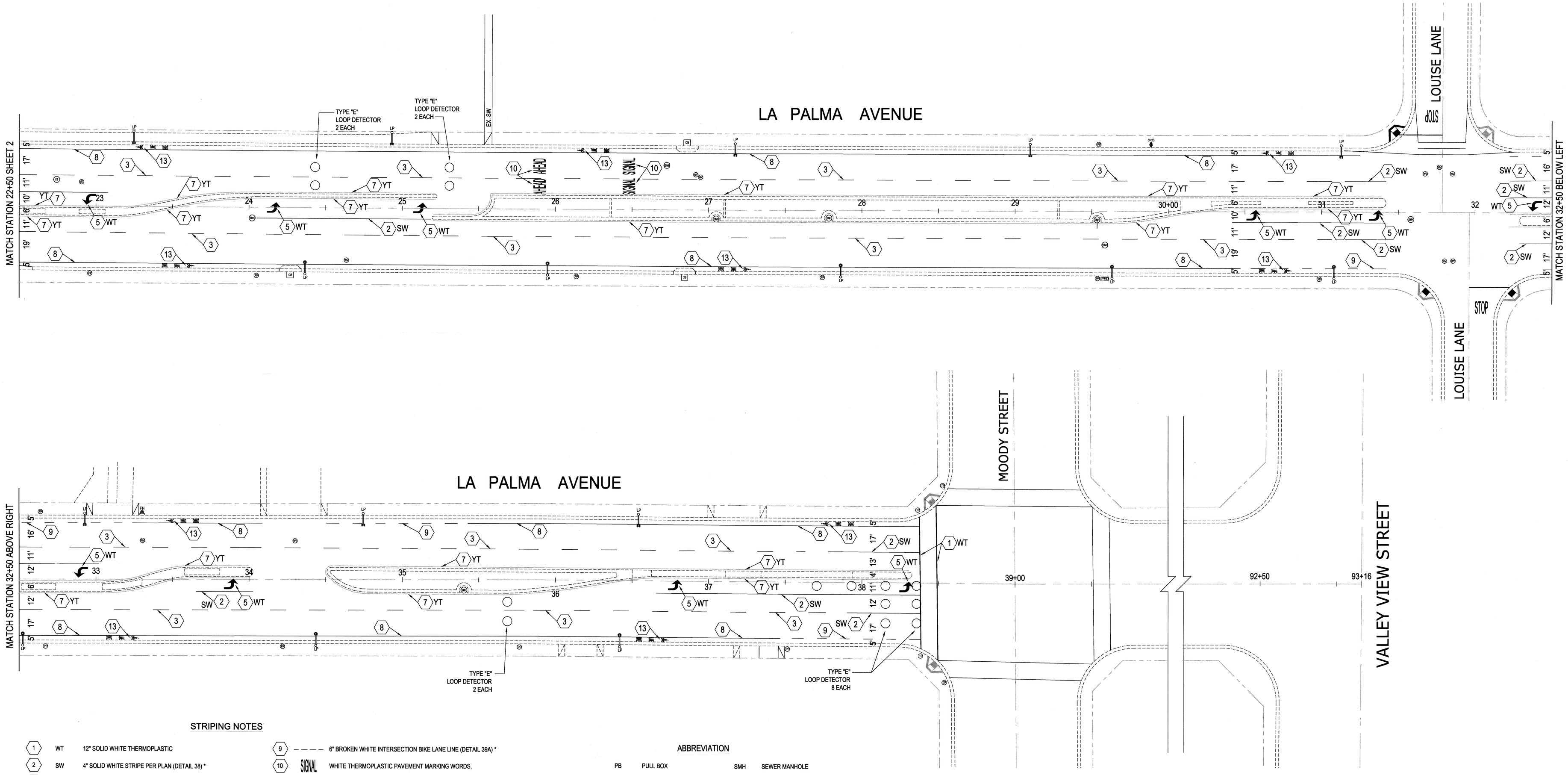
# STRIPING PLAN
# LA PALMA AVENUE
# FROM WEST CITY LIMITS TO VALLEY VIEW STREET

## CITY OF LA PALMA

CITY PROJECT NO.
**ST- 324**

SHEET 4 OF 5

Date Printed 12/15/2012




## STRIPING NOTES

| | | |
|---|---|---|
| 1 | WT | 12" SOLID WHITE THERMOPLASTIC |
| 2 | SW | 4" SOLID WHITE STRIPE PER PLAN (DETAIL 38) * |
| 3 | BW | BROKEN WHITE STRIPE (DETAIL 9) * |
| 4 | YT | YELLOW THERMOPLASTIC (DETAIL 32) * - (NOT USED) |
| 5 | | WHITE THERMOPLASTIC ARROW TYPE IV (L), USE MIRROR IMAGE FOR (R) ARROW PER CALTRANS STANDARD PLAN A24A |
| 6 | | DOUBLE 4' SOLID YELLOW (DETAIL 22) * |
| 7 | | EDGE LINE (DETAIL 26)* |
| 8 | | 6" SOLID WHITE BIKE LANE LINE (DETAIL 39) * |
| 9 | | 6" BROKEN WHITE INTERSECTION BIKE LANE LINE (DETAIL 39A) * |
| 10 | SIGNAL | WHITE THERMOPLASTIC PAVEMENT MARKING WORDS, CALTRANS STANDARD PLAN A24D AND A24E |
| 11 | YT | 12" SOLID YELLOW THERMOPLASTIC |
| 12 | YT | YELLOW THERMOPLASTIC (DETAIL 29) * |
| 13 | | WHITE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON PER CALTRANS STANDARD PLAN A 24C & A 24D |

* DETAIL NUMBERS IN PARENTHESES REFER TO DETAIL SHOWN IN CALTRANS STANDARD PLANS A 20A, A 20B, A 20D, A 24A, A 24C, A 24D AND A 24E

## ABBREVIATION

| | | | |
|---|---|---|---|
| PB | PULL BOX | SMH | SEWER MANHOLE |
| TP | TRAFFIC SIGNAL POLE | MW | MONITORING WELL |
| IB | IRRIGATION CONTROL BOX | PED | PEDESTAL |
| LP | LIGHT POLE | SDMH | STORM DRAIN MANHOLE |
| SP | SIGN POST | UT | UTILITY BOX |
| WV | WATER VALVE | PP | POWER POLE |
| FH | FIRE HYDRANT | SR2S | SAFE ROUTE TO SCHOOL SIGN |
| | | UT | UTILITY |

SCALE: 1" = 30'

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-226-2600 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT


**AKAL Consultants**

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


REGISTERED PROFESSIONAL ENGINEER — KAMAL J. SINGH — No. C-43764 — EXP. 6/30/2013 — CIVIL — STATE OF CALIFORNIA

Kamal Jeet Singh

| REVISIONS | | | | |
|---|---|---|---|---|
| NUMBER | DATE | INITIALS | | APP'D |
| | | | | |

| REFERENCES | |
|---|---|
| | |

| PREPARED UNDER THE SUPERVISION OF | | DATE |
|---|---|---|
| DRAWN BY | AS | 12/10/2012 |
| CHECKED | KJS | 12/15/2012 |
| RECOMMENDED | | |
| CITY OF LA PALMA APPROVED | | 3/25/13 |
| DEPARTMENT OF PUBLIC WORKS | | DATE: |

# STRIPING PLAN
# LA PALMA AVENUE
# FROM WEST CITY LIMITS TO VALLEY VIEW STREET

## CITY OF LA PALMA

CITY PROJECT NO.
**ST- 324**

SHEET 5 OF 5

Date Printed 12/15/2012