

CITY OF DESERT HOT SPRINGS

PALM DRIVE STREET LIGHTING AND SAFETY IMPROVEMENT PROJECT

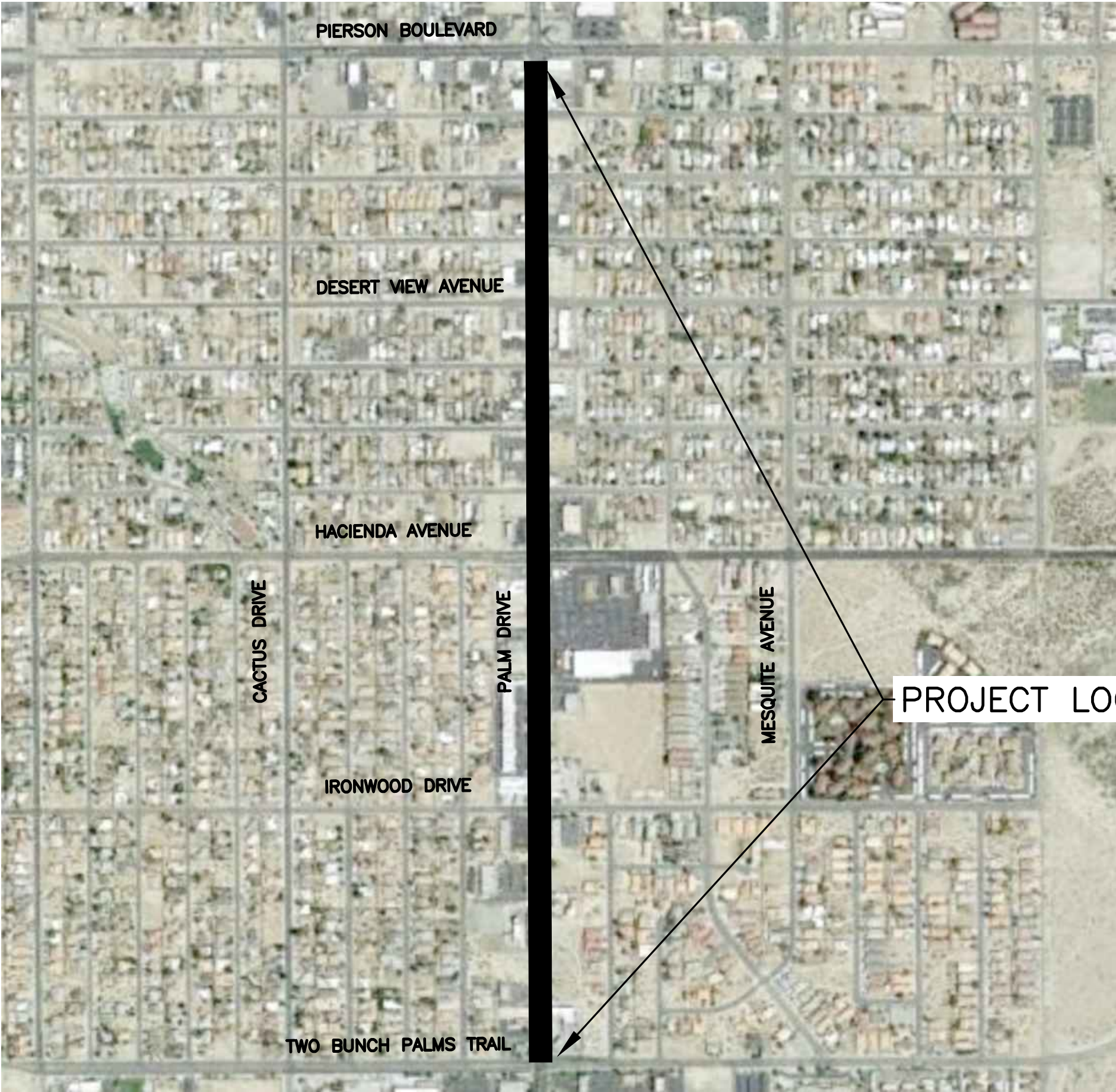
PROJECT 2017-14

GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY OF DESERT HOT SPRINGS ENGINEERING DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM CITY OF DESERT HOT SPRINGS OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (760) 329-6411 EXT. 224.
- ALL WORK SHALL CONFORM TO THESE PLANS, THE REQUIREMENTS OF THE CITY OF DESERT HOT SPRINGS, OR WHERE APPLICABLE, THE CALIFORNIA STATE STANDARDS AND SPECIFICATIONS, 2015 EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDING TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY OF DESERT HOT SPRINGS.
- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALTIC SURFACING. FOG SEAL AND PAINT BINDER SHALL BE APPLIED AT A RATE OF 0.05 AND 0.03 GALLON PER SQUARE YARD RESPECTIVELY.
- ALL CONCRETE CURBS, GUTTER, AND PERIMETER STRUCTURES OR HEADERS SHALL BE IN PLACE PRIOR TO PAVING.
- PRIME COAT IS REQUIRED PRIOR TO PAVING ON ALL GRADES IN EXCESS OF TEN PERCENT.
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. THE CONTRACTOR IS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A MONITORING PLAN FOR THE SITE.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS OUTLINED IN THE CITY'S PM10 REQUIREMENTS. A PM10 PLAN SHALL BE SUBMITTED IF REQUIRED.
- AN APPROVED SOIL STERILIZER SHALL BE USED ON ALL SUBGRADE SURFACES PRIOR TO PLACEMENT OF PAVING.



NO SCALE



VICINITY MAP

CONSTRUCTION NOTES:

- NEW STREET LIGHT LOCATION TO BE INSTALLED BY SCE FORCES. SEE SCE PLANS FOR CONDUIT AND PULL BOXES TO BE INSTALLED AS PART OF THIS PROJECT.
- REMOVE EXISTING DAMAGED CURB AND GUTTER, PREPARE SUBGRADE, AND CONSTRUCT PCC CURB AND GUTTER PER CITY STANDARD PLAN NOS. 200 OR 201, NOMINAL CURB FACE AND GUTTER WIDTH PER PLAN. CONSTRUCT 2' WIDE X 6" DEEP ASPHALT CONCRETE SLOT PATCH ALONG LIP OF GUTTER.
- REMOVE EXISTING CURB AND CONSTRUCT PCC CURB PER CITY STANDARD PLAN NO. 204, DOWEL INTO ADJACENT CURBS.
- REMOVE EXISTING DAMAGED AND/OR CONFLICTING SIDEWALK, PREPARE SUBGRADE, AND CONSTRUCT PCC SIDEWALK PER CITY STANDARD PLAN NO. 401, WIDTH PER PLAN.
- CONSTRUCT PCC CURB RAMP WITH NEW PCC SIDEWALK PER CALTRANS STANDARD PLAN AB8A, CASE PER PLAN.
- ADD 3' X 4' RAISED DETECTABLE WARNING (TRUNCATED DOMES) TO EXISTING CURB RAMP PER CALTRANS STANDARD PLAN AB8A. GRIND CONCRETE TO A FLAT SURFACE (REMOVE EXISTING RAISED HERRINGBONE PATTERN) PRIOR TO INSTALLATION OF RAISED DETECTABLE WARNING.
- RE-ESTABLISH SURVEY MONUMENT INCLUDING THE PREPARATION AND FILING OF PRE-CONSTRUCTION AND POST-CONSTRUCTION CORNER RECORDS.
- REMOVE DAMAGED PORTION OF EXISTING IMPROVEMENTS, PREPARE SUBGRADE, AND CONSTRUCT TYPE I PCC CROSS GUTTER PER CITY STANDARD PLAN NO. 213, CROSS GUTTER AND SPANDRELS TO BE CONSTRUCTED ON 6" THICK CLASS II AGGREGATE BASE. CONSTRUCT 2' WIDE X 6" DEEP ASPHALT CONCRETE SLOT PATCH ALONG LIP OF NEW CROSS GUTTER.
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- ADJUST WATER VALVE COVER TO GRADE PER MSWD DRAWING NOS. W-02 AND W-02A.
- ADJUST SEWER MANHOLE FRAME AND COVER TO GRADE PER MSWD DRAWING NO. S-04.

UTILITY CONTACTS:

UTILITY

MISSION SPRINGS WATER DISTRICT
SOUTHERN CALIFORNIA EDISON
SOUTHERN CALIFORNIA GAS COMPANY
FRONTIER COMMUNICATIONS
SPECTRUM CABLE

PHONE NUMBER

760-329-6448
760-202-4257
909-335-7507
760-778-3621
760-674-5433

CONTACT PERSON

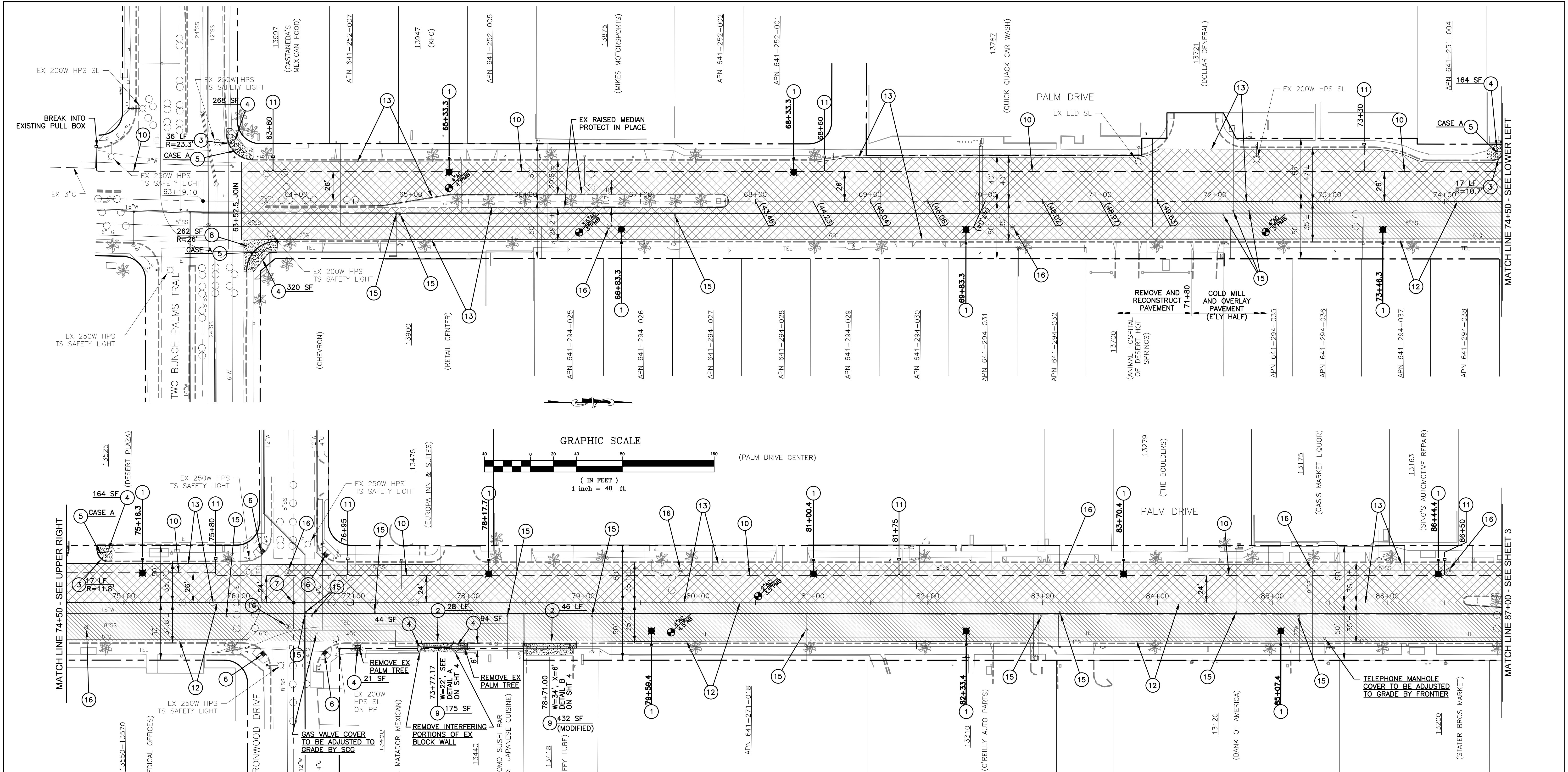
DANNY FRIEND
BOBBY GRAY
BRUCE WADDELL
J. LUIS (LOUIE) BECERRA
PAT CARNEY

SHEET INDEX

1 TITLE SHEET
2-4 STREET IMPROVEMENT PLANS
5-7 SIGNING AND STRIPING PLANS



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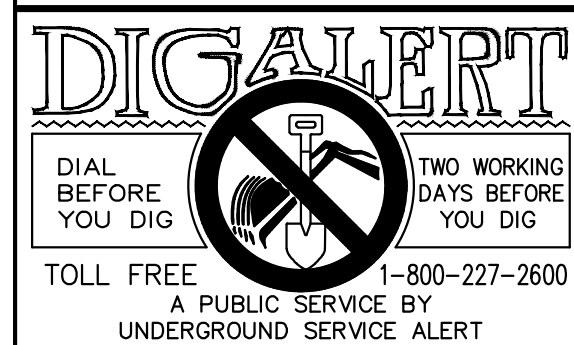


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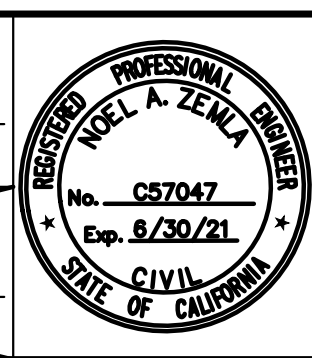
BASIS OF BEARING:
STATE PLANE COORDINATE SYSTEM, CALIFORNIA ZONE 6 AS
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P600.

DEVELOPER
CITY OF DESERT HOT SPRINGS
65950 PIERSON BLVD.
PHONE (760)329-6411

SCALE: AS NOTED
PLOT DATE:
DESIGN BY: J.G.
DRAWN BY: G.G.
CHECKED BY: N.Z.

PREPARED UNDER THE DIRECT SUPERVISION OF:
NOEL ZEMLA
R.C.E. 57047
EXP. 06/30/21
DATE 10/21/19

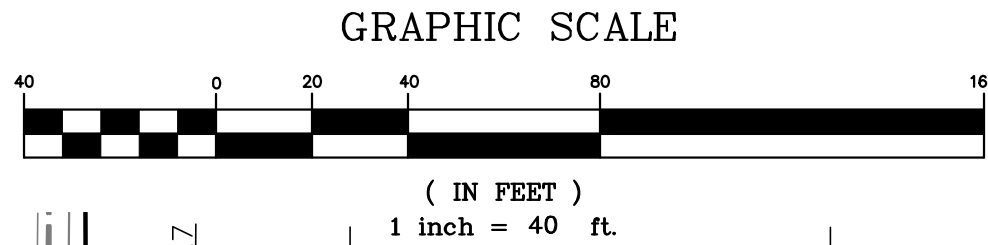
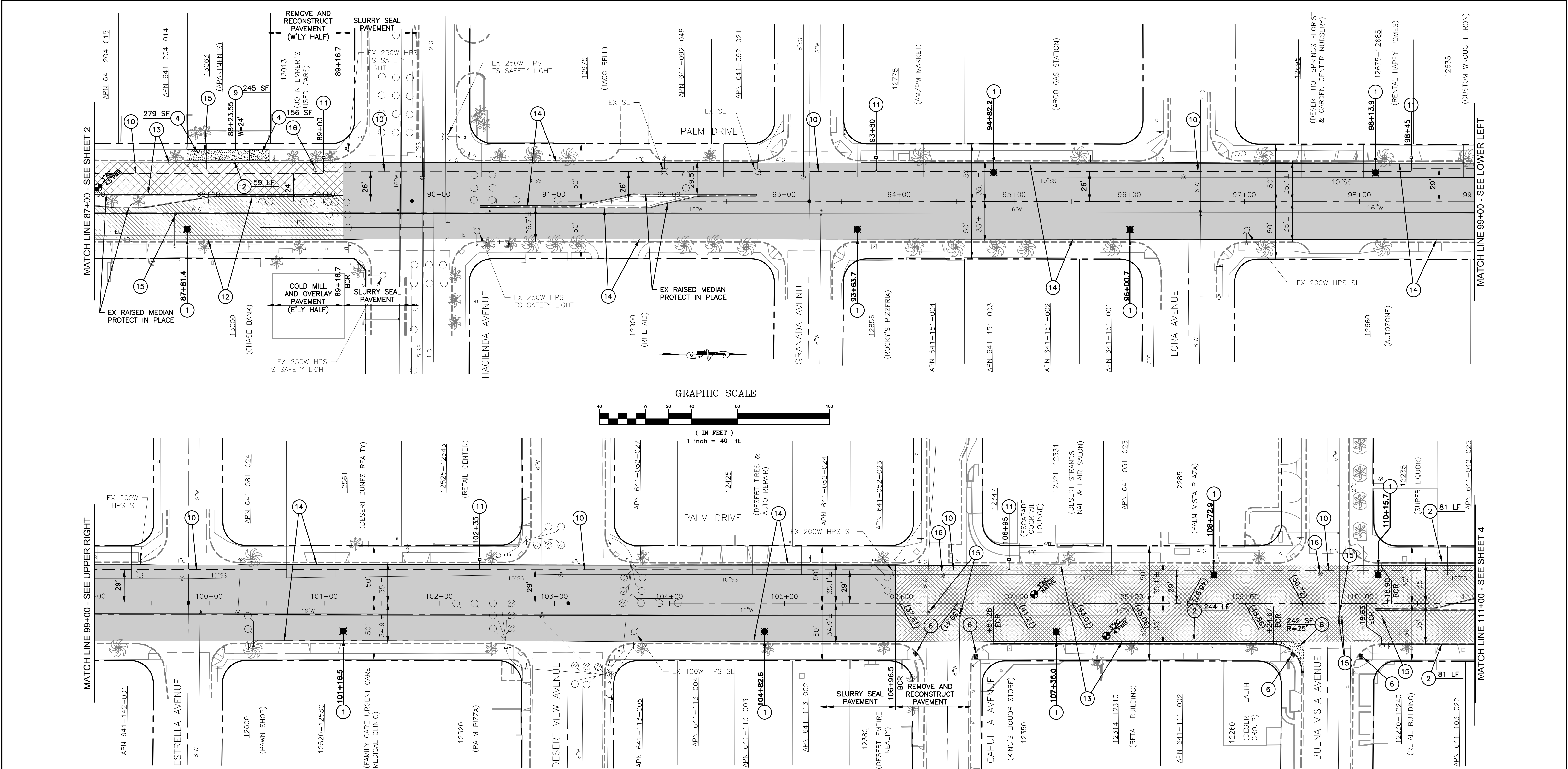
GEOTECHNICAL CERTIFICATION, IF REQUIRED, BY:
N/A
DATE



RECOMMENDED FOR APPROVAL BY:
DATE
APPROVED BY CITY OF DESERT HOT SPRINGS:
DATE
CITY ENGINEER

CITY OF DESERT HOT SPRINGS
PALM DRIVE
STREET LIGHTING AND SAFETY
IMPROVEMENT PROJECT
PROJECT 2017-14

SHEET 2
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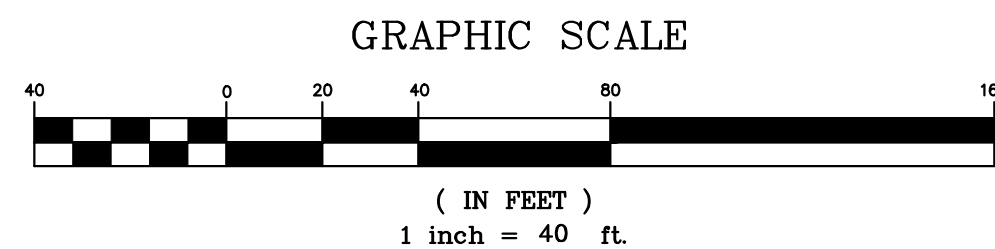
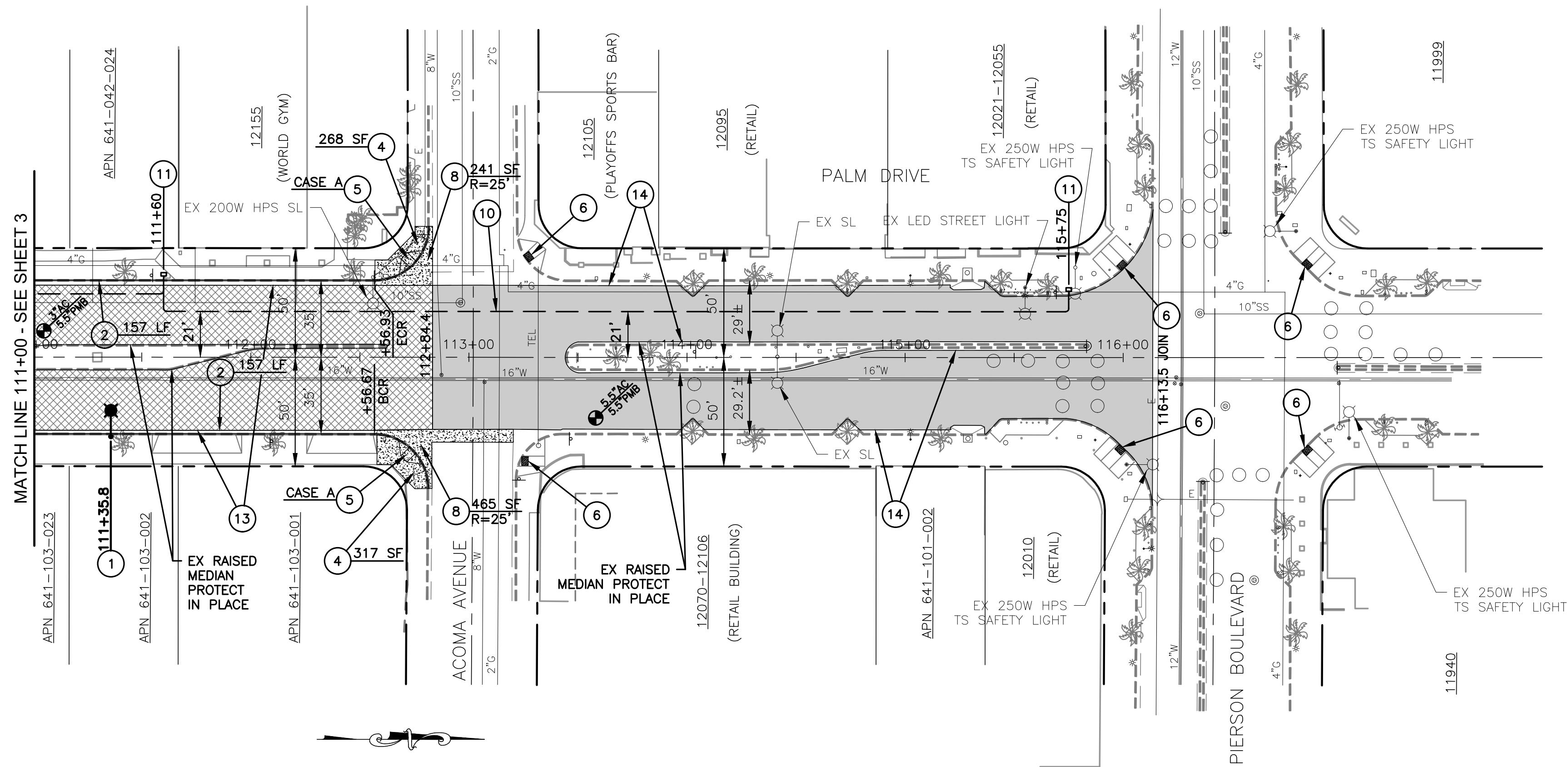
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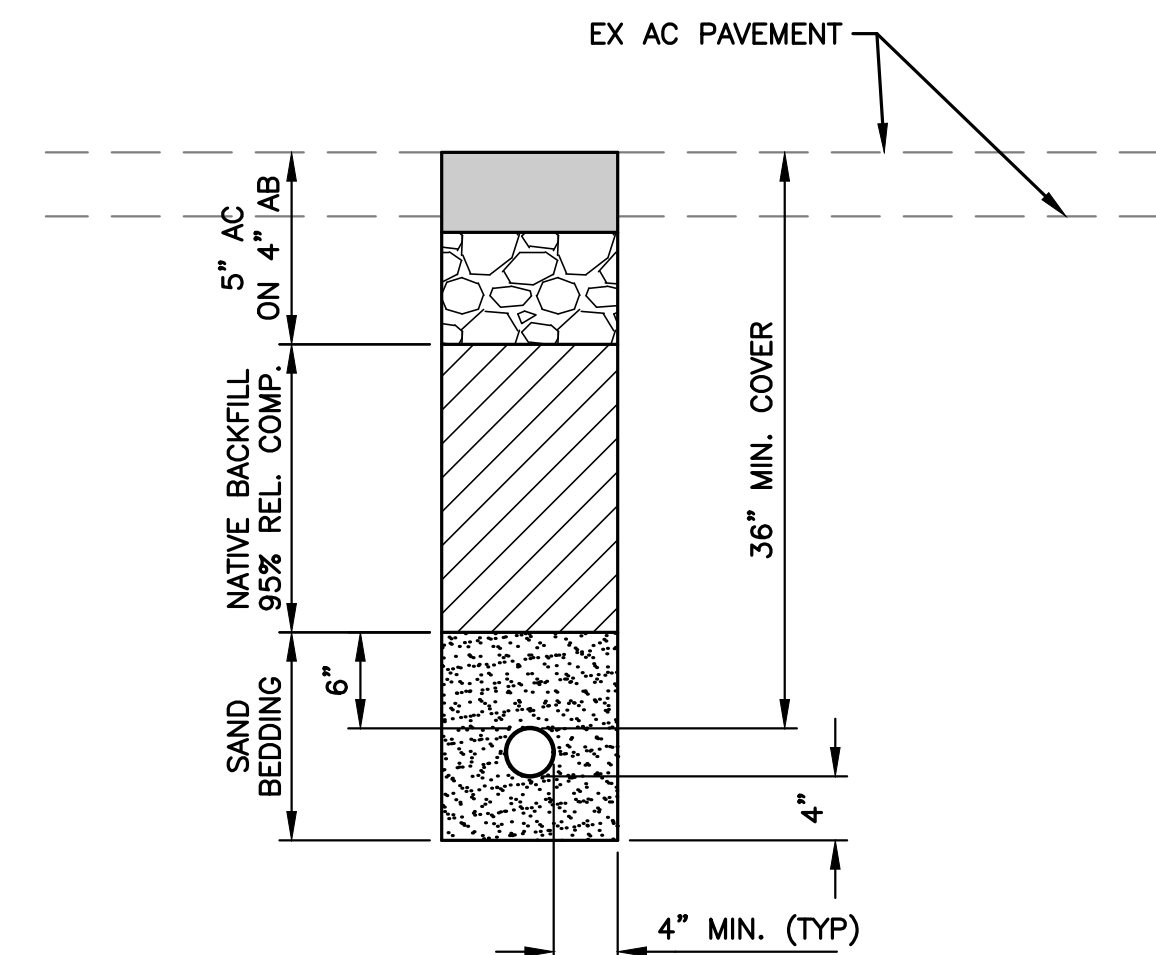
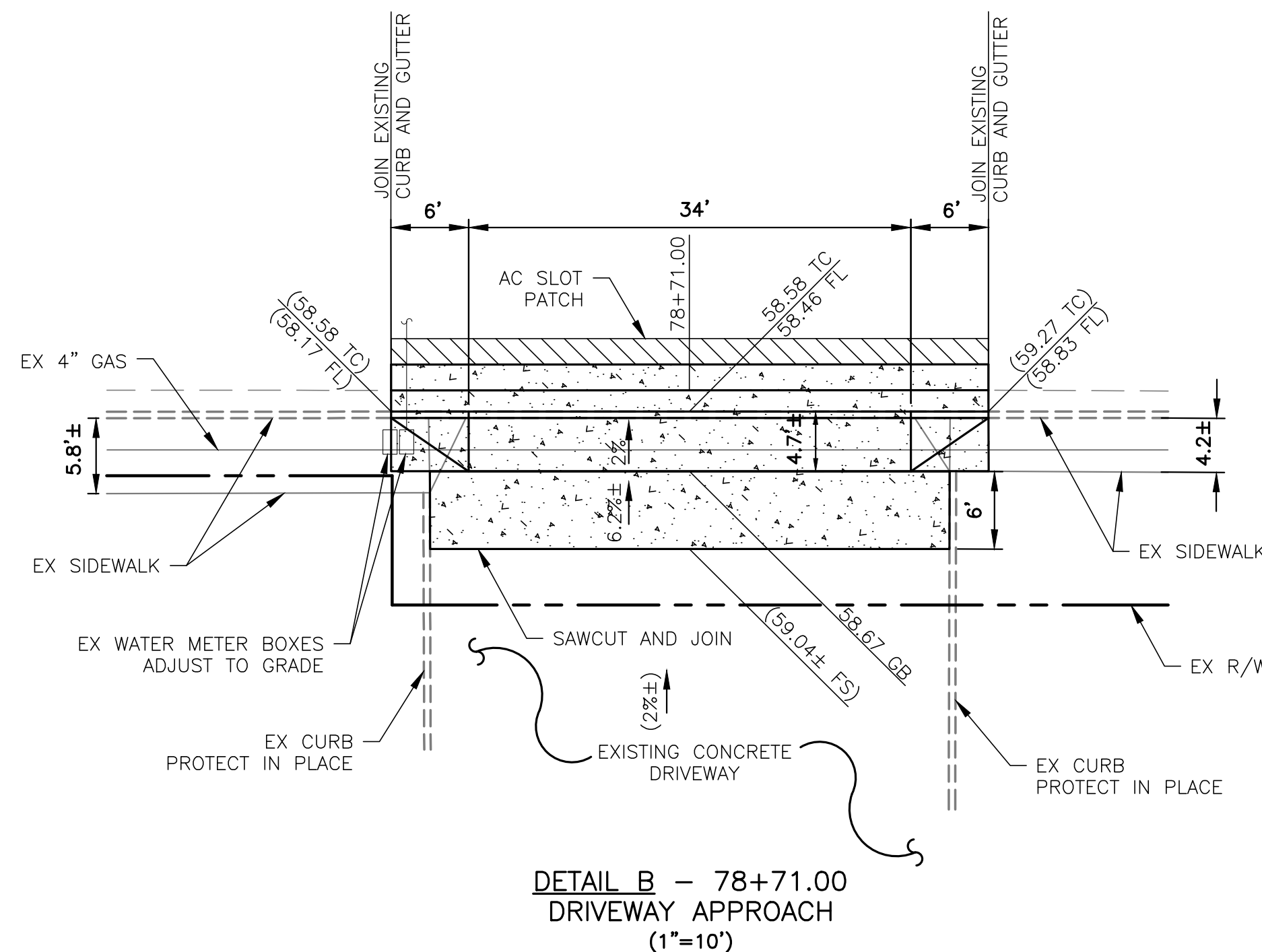
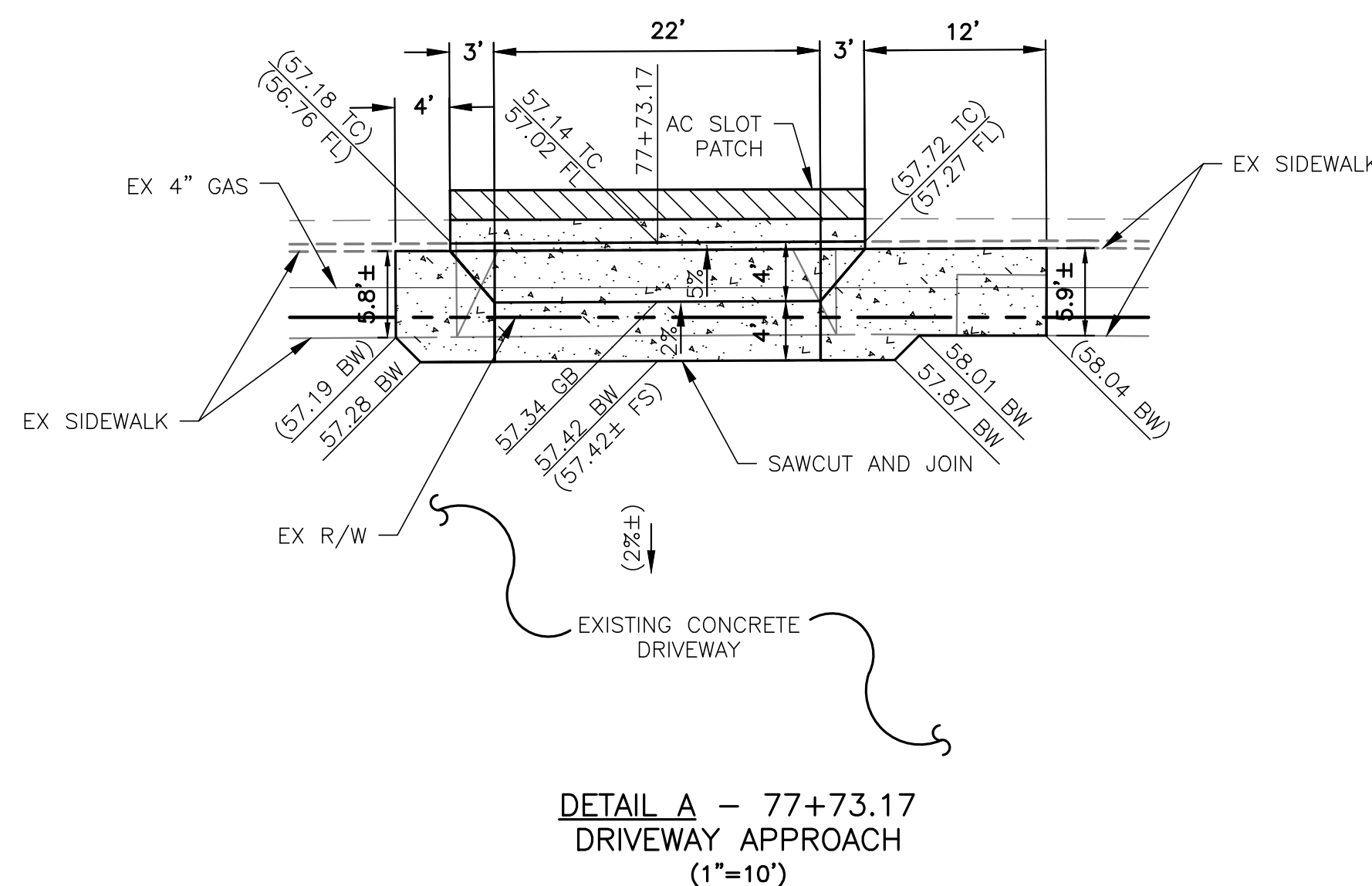
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- 13 REMOVE EXISTING ASPHALT CONCRETE AND BASE AND EXCAVATE FOR PROPOSED STRUCTURAL SECTION. SCARIFY, MOISTURE CONDITION, AND RECOMPACT TOP 8" OF SUBGRADE. CONSTRUCT 5" ASPHALT CONCRETE ON 4" AGGREGATE BASE.
- 14 CONSTRUCT TYPE II SLURRY SEAL. GRIND OFF THERMOPLASTIC PAVEMENT MARKINGS, LEGENDS, AND STRIPING. REMOVE RAISED PAVEMENT MARKERS. CLEAN AND SEAL ALL CRACKS GREATER THAN 1/8" IN WIDTH PRIOR TO PLACING SLURRY SEAL.



LEGEND

- REMOVE AND RECONSTRUCT EXISTING CONCRETE IMPROVEMENTS
- REMOVE AND RECONSTRUCT EXISTING ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION INCLUDING BASE AND SUBGRADE
- SLURRY SEAL EXISTING ASPHALT CONCRETE PAVEMENT



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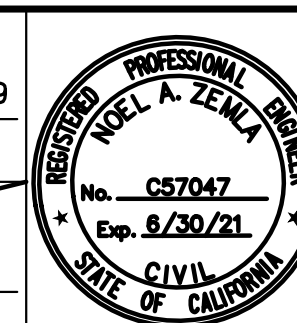
BENCHMARK:
RIVERSIDE COUNTY BENCHMARK ...
ELEVATION: _____

BASIS OF BEARING:
STATE PLANE COORDINATE CALIFORNIA ZONE 6 AS
DERIVED FROM CORN STATIONS P684, WWM1, AND
P600.

DEVELOPER
CITY OF DESERT HOT SPRINGS
65950 PIERSON BLVD.
PHONE (760)329-6411

SCALE: AS NOTED
PLOT DATE: _____
DESIGN BY: J.G.
DRAWN BY: G.G.
CHECKED BY: N.Z.

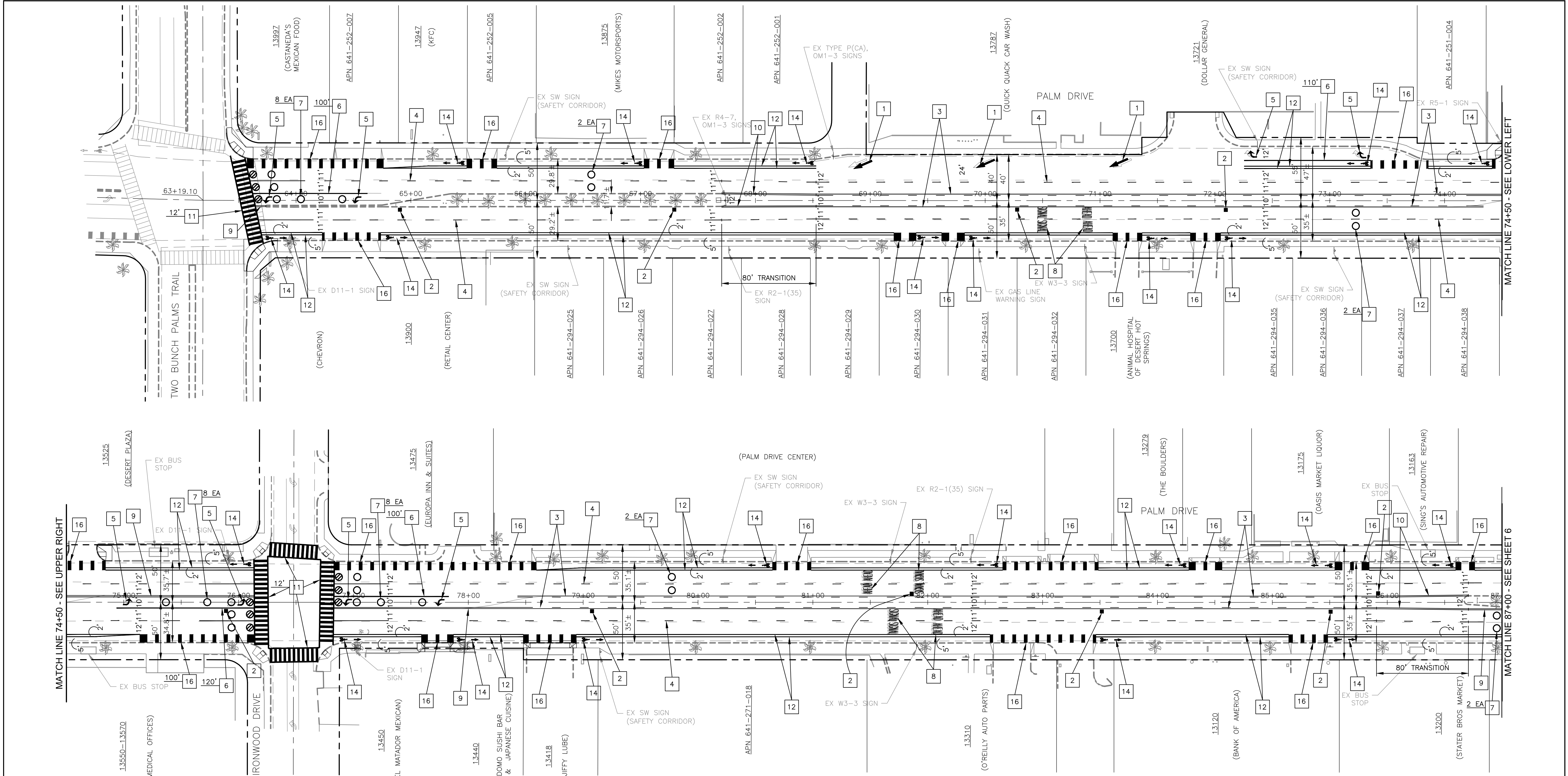
PREPARED UNDER THE DIRECT SUPERVISION OF:
NOEL ZEMLA
R.C.E. 57047 EXP. 06/30/21
DATE 10/21/19
DATE _____
GEO-TECHNICAL CERTIFICATION, IF REQUIRED, BY: N/A
DATE _____



RECOMMENDED FOR APPROVAL BY: _____ DATE _____
APPROVED BY CITY OF DESERT HOT SPRINGS: _____ DATE _____
CITY ENGINEER _____

CITY OF DESERT HOT SPRINGS
PALM DRIVE
STREET LIGHTING AND SAFETY
IMPROVEMENT PROJECT
PROJECT 2017-14

SHEET 4
OF 7
PRIVATE REFERENCE # _____
CITY REFERENCE # _____

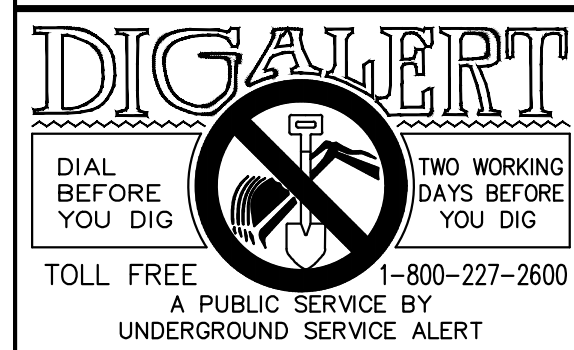


SIGNING AND STRIPING NOTES:

- 1 INSTALL WHITE THERMOPLASTIC TYPE VI PAVEMENT ARROW PER CALTRANS STANDARD PLAN A24A.
- 2 INSTALL RAISED BLUE RETROREFLECTIVE PAVEMENT MARKER AT CENTER OF ROADWAY, OR 6" CLEAR OF CENTERLINE TRAFFIC STRIPE OR MEDIAN CURB.
- 3 PAINT 4-INCH DOUBLE YELLOW TWO-WAY LEFT TURN LANE STRIPES PER CALTRANS STANDARD PLAN A20B, DETAIL 31.
- 4 PAINT 4-INCH WHITE LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 8, WITH 50-FOOT LONG LEAD LINES AT ALL INTERSECTIONS.
- 5 INSTALL WHITE THERMOPLASTIC TYPE IV PAVEMENT ARROW PER CALTRANS STANDARD PLAN A24A.

- 6 PAINT 8-INCH WHITE CHANNELIZATION LINE PER CALTRANS STANDARD PLAN A20D, DETAIL 38A.
- 7 INSTALL TYPE D OR E TRAFFIC SIGNAL LOOP DETECTOR PER CALTRANS STANDARD PLAN ES-5B CENTERED IN NEW LANELINE. ABANDON EXISTING LOOP DETECTOR IN PLACE AND CONNECT NEW LOOP DETECTOR TO EXISTING DLC IN EXISTING PULL BOX.
- 8 INSTALL WHITE THERMOPLASTIC "SIGNAL AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D.
- 9 PAINT 4-INCH DOUBLE YELLOW CENTERLINE STRIPES PER CALTRANS STANDARD PLAN A20A, DETAIL 21.
- 10 PAINT DOUBLE YELLOW MEDIAN ISLAND STRIPES PER CALTRANS STANDARD PLAN A20B, DETAIL 28.

- 11 INSTALL CROSSWALK WITH 12-INCH WHITE THERMOPLASTIC CROSSWALK LINES AND 24-INCH WIDE LADDER STRIPES AT 4 FEET ON CENTER PER CALTRANS STANDARD PLAN A24F, WIDTH PER PLAN.
- 12 PAINT 6-INCH WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D.
- 14 PAINT WHITE BICYCLE LANE ARROW AND BIKE LANE SYMBOL WITH PERSON PER CALTRANS STANDARD PLANS A24A AND A24C ON PAINTED GREEN BACKGROUND.
- 16 PAINT 48-INCH WIDE GREEN LADDER STRIPES AT 12 FEET ON CENTER FROM BIKE LANE EXTENSION LINE TO EDGE OF PAVEMENT.



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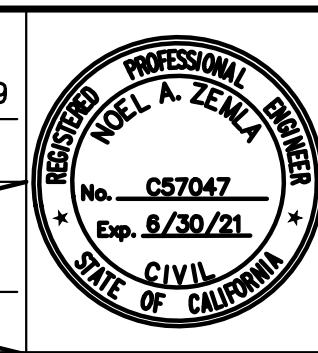
BENCHMARK:
RIVERSIDE COUNTY BENCHMARK ...
ELEVATION: ...

BASIS OF BEARING:
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P600.

DEVELOPER
CITY OF DESERT HOT SPRINGS
65950 PIERSON BLVD.
PHONE (760)329-6411

SCALE: AS NOTED
PLOT DATE:
DESIGN BY: J.G.
DRAWN BY: G.G.
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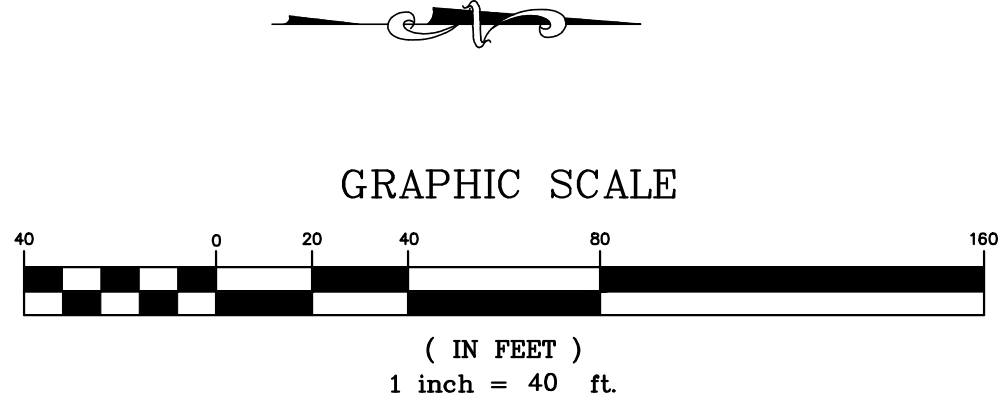
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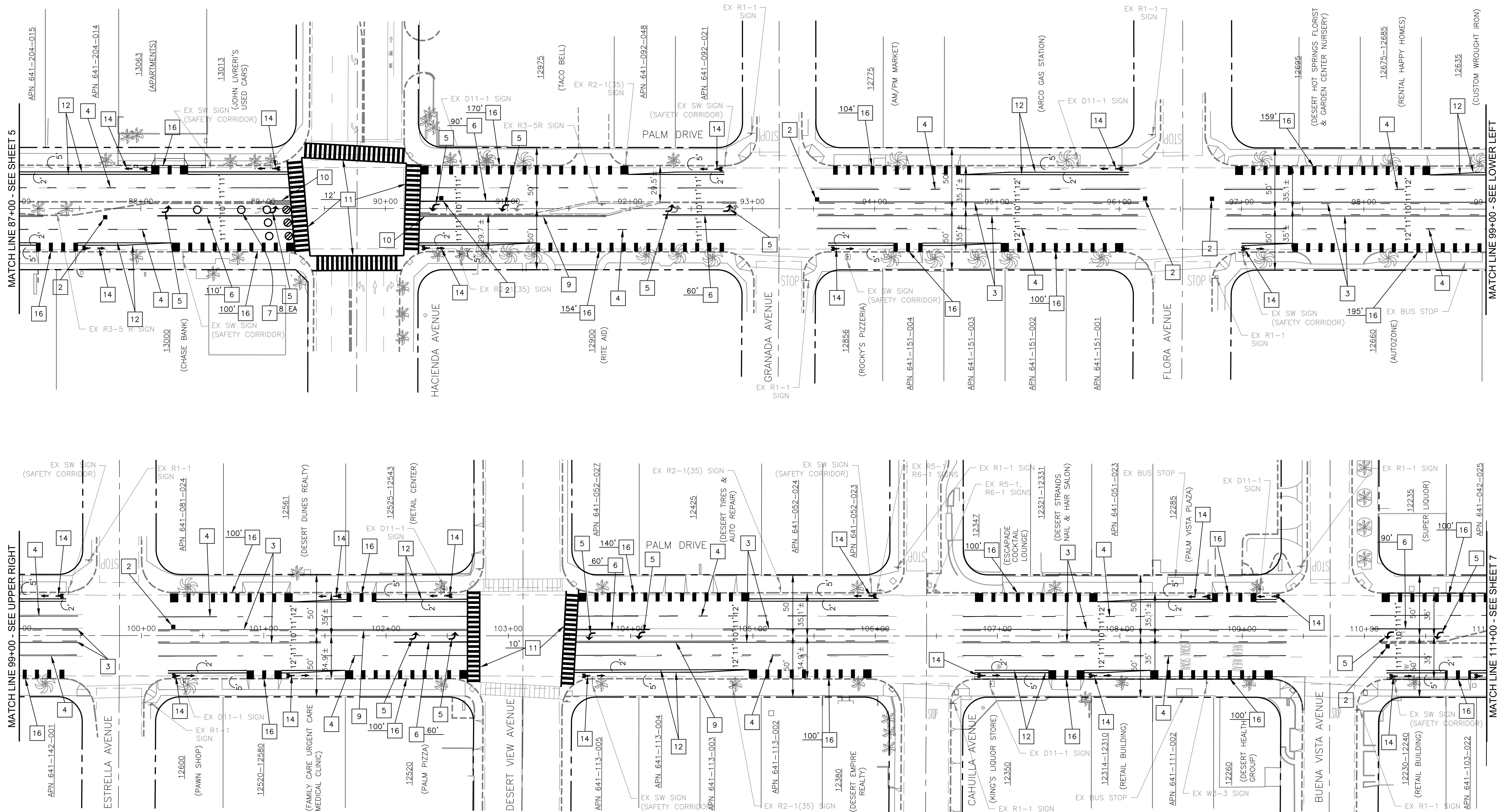


RECOMMENDED FOR APPROVAL BY:
DATE
APPROVED BY CITY OF DESERT HOT SPRINGS:
DATE
CITY ENGINEER

CITY OF DESERT HOT SPRINGS
PALM DRIVE
STREET LIGHTING AND SAFETY
IMPROVEMENT PROJECT
PROJECT 2017-14

SHEET 5
OF 7
PRIVATE REFERENCE #
CITY REFERENCE #



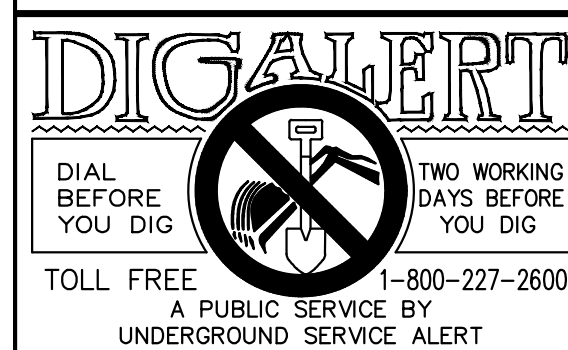
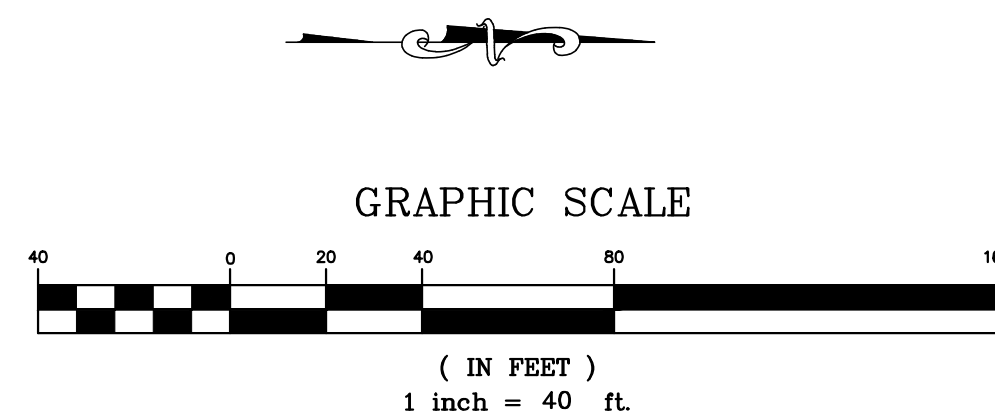


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- 2 INSTALL RAISED BLUE RETROREFLECTIVE PAVEMENT MARKER AT CENTER OF ROADWAY, OR 6" CLEAR OF CENTERLINE TRAFFIC STRIPE OR MEDIAN CURB.
- 3 PAINT 4-INCH DOUBLE YELLOW TWO-WAY LEFT TURN LANE STRIPES PER CALTRANS STANDARD PLAN A20B, DETAIL 31.
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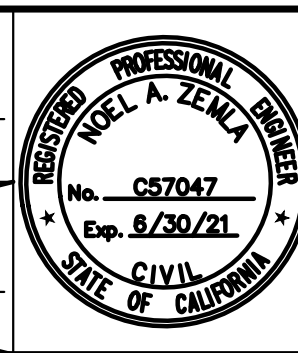
BENCHMARK:
RIVERSIDE COUNTY BENCHMARK ...
ELEVATION: ...

BASIS OF BEARING:
STATE PLANE COORDINATE CALIFORNIA ZONE 6 AS DERIVED FROM CORS STATIONS P684, WWMIT, AND P600.

DEVELOPER
CITY OF DESERT HOT SPRINGS
65950 PIERSON BLVD.
PHONE (760)329-6411

SCALE: AS NOTED
PLOT DATE: ...
DESIGN BY: J.G.
DRAWN BY: G.G.
CHECKED BY: N.Z.

PREPARED UNDER THE DIRECT SUPERVISION OF:
Noel Zemla 10/21/19
NOEL ZEMLA DATE
R.C.E. 57047 EXP. 06/30/21
GEO-TECHNICAL CERTIFICATION, IF REQUIRED, BY:
N/A
R.C.E. EXP.



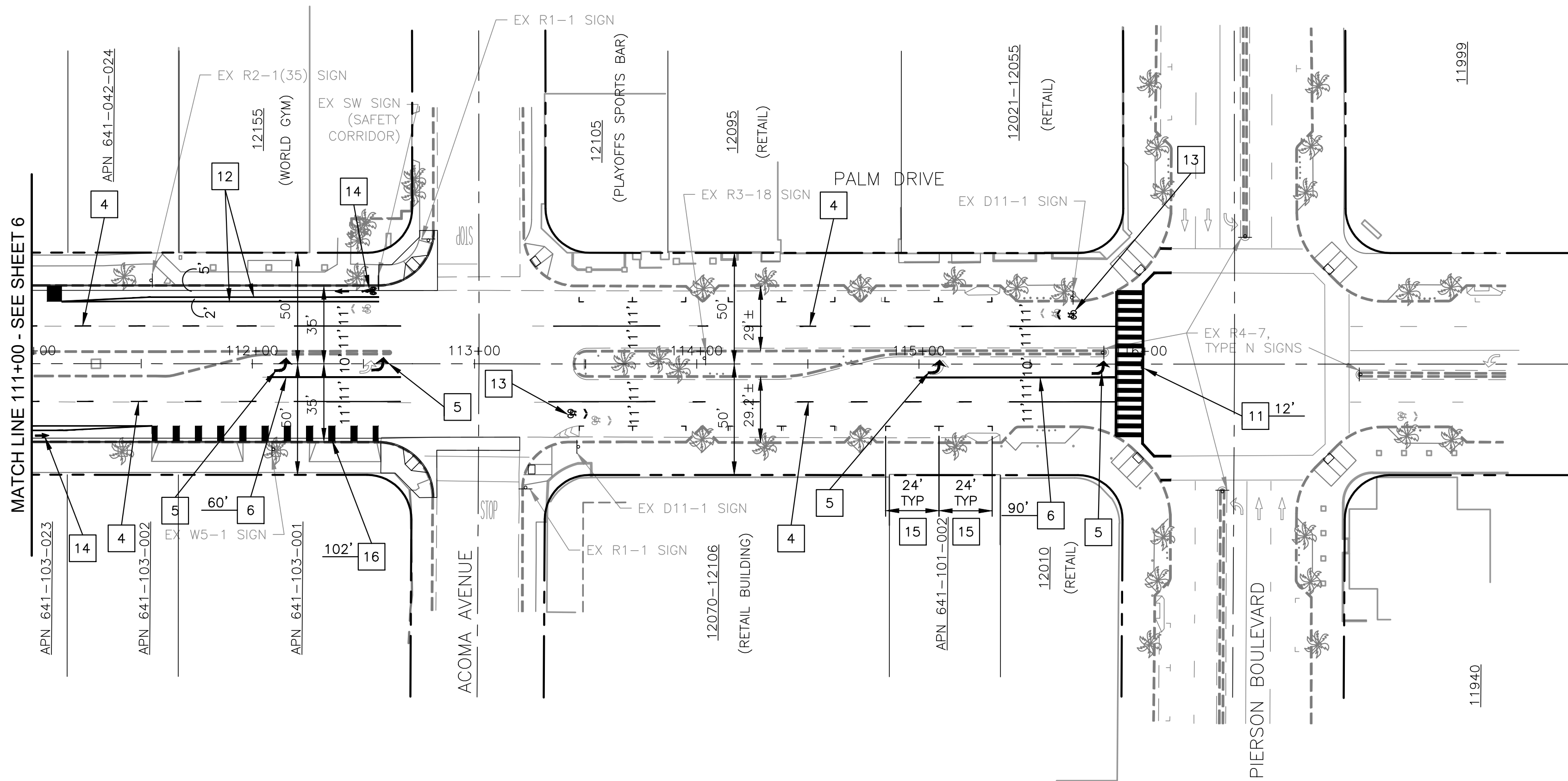
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DATE
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DATE
CITY ENGINEER

CITY OF DESERT HOT SPRINGS
PALM DRIVE
STREET LIGHTING AND SAFETY
IMPROVEMENT PROJECT
PROJECT 2017-14

SHEET **6**
OF **7**
PRIVATE REFERENCE #
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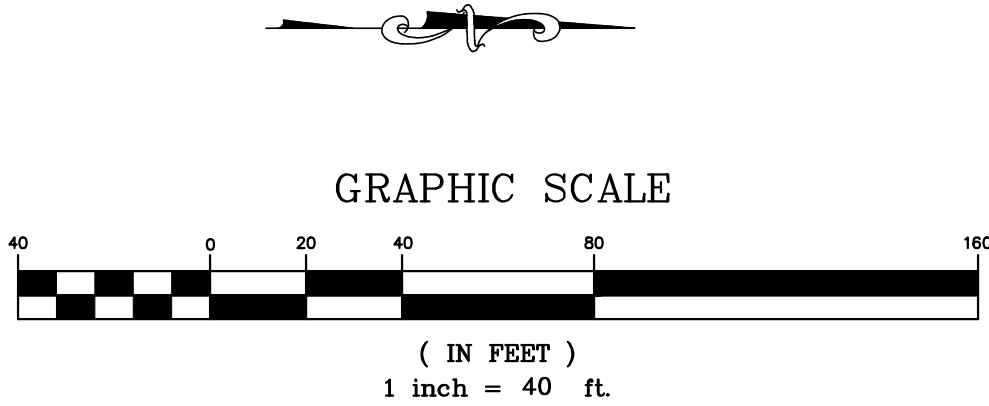


STRIPING GENERAL NOTES

1. TRAFFIC STRIPES, TRAFFIC SIGNING, PAVEMENT LEGENDS, MARKINGS AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE FOLLOWING CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) DOCUMENTS: MUTCD (CA), MAINTENANCE MANUAL, STANDARD PLANS, AND STANDARD SPECIFICATIONS, AS MOST RECENTLY REVISED.
2. REFLECTORIZE ALL STRIPES AND LEGENDS WITH GLASS BEADS.
3. WHERE PAINT IS SPECIFIED, TRAFFIC STRIPES AND MARKINGS SHALL BE APPLIED IN TWO COATS A MINIMUM OF 7 DAYS APART.
4. ALL STOP BARS, LIMIT LINES, CROSSWALKS, PAVEMENT ARROWS, AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC.
5. ALL CONFLICTING TRAFFIC LINES, CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
6. ALL RAISED PAVEMENT MARKERS SHALL BE PLASTIC.
7. ALL REFLECTIVE RAISED PAVEMENT MARKERS SHALL BE INSTALLED USING EPOXY ADHESIVE. NON-REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED USING BITUMINOUS ADHESIVE.
8. ALL STRIPING AND PAVEMENT MARKER LOCATIONS SHALL BE CAT-TRACKED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

SIGNING AND STRIPING NOTES:

- 4 PAINT 4-INCH WHITE LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 8, WITH 50-FOOT LONG LEAD LINES AT ALL INTERSECTIONS.
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- 12 PAINT 6-INCH WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D.
- 13 PAINT WHITE SHARED ROADWAY BICYCLE MARKING PER CALTRANS STANDARD PLAN A24C.
- 14 PAINT WHITE BICYCLE LANE ARROW AND BIKE LANE SYMBOL WITH PERSON PER CALTRANS STANDARD PLANS A24A AND A24C ON PAINTED GREEN BACKGROUND.
- 15 PAINT 4-INCH WHITE AND 2-FOOT LONG PARALLEL PARKING MARKINGS FOR 24-FOOT LONG STALLS ALONG CURB.
- 16 PAINT 48-INCH WIDE GREEN LADDER STRIPES AT 12 FEET ON CENTER FROM BIKE LANE EXTENSION LINE TO EDGE OF PAVEMENT.



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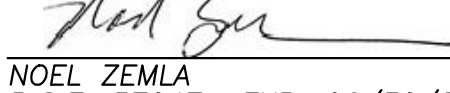
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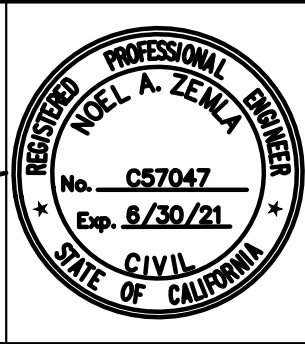
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