

DATE SUBMITTED 06/12/2019  
 SUBMITTED BY COMMUNITY DEVELOPMENT DIRECTOR  
 DATE ACTION REQUIRED 06/19/2019

COUNCIL ACTION (X)  
 PUBLIC HEARING REQUIRED ( )  
 RESOLUTION ( )  
 ORDINANCE 1<sup>ST</sup> READING ( )  
 ORDINANCE 2<sup>ND</sup> READING ( )  
 CITY CLERK'S INITIALS [Signature]

**IMPERIAL CITY COUNCIL  
 AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION:  
 ATEN BOULEVARD & CROSS ROAD INTERSECTION IMPROVEMENTS  
 1. AWARD OF CONTRACT TO HAZARD CONSTRUCTION

DEPARTMENT INVOLVED: COMMUNITY DEVELOPMENT DEPARTMENT

**BACKGROUND/SUMMARY:**

The Community Development Department was directed by City Council to conduct a competitive BID process for the construction of the Aten Boulevard & Cross Road Intersection Improvements, which consist of the installation of new PCC Curb and Gutter, new PCC Sidewalk, new PCC ADA Accessible Ramps, new PCC Cross Gutter, installation of new Pedestrian Push Buttons, AC Pavement Grinding and AC Overlay, Pavement Striping to provide pedestrian safety.

Staff released a BID published in the Imperial Valley Press, our City website, "Dodge Data & Analytics" and "Construct Connect" planrooms to solicit proposals from contractors to complete the construction.

The following three (3) bids were received during the formal bidding process:

LC Paving & Sealing, Inc. _____	\$558,516.80
Pyramid Construction and Aggregates, Inc. _____	\$614,522.10
Hazard Construction _____	\$508,070.00

See attached Exhibit 1 ("BID Opening Act") for details.

After careful review of all bids submitted, staff recommends the project be awarded to Hazard Construction since it is the lowest bidder.

FISCAL IMPACT: \$508,070.00 from LTA MEASURE 'D'

ADMIN SERVICES SIGN INITIALS \_\_\_\_\_

**STAFF RECOMMENDATION:**

Staff recommends City Council award of contract to Hazard Construction.

DEPT. INITIALS DM

**MANAGER'S RECOMMENDATION:**

CITY MANAGER'S INITIALS [Signature]

**MOTION:**

SECONDED:	APPROVED ( )	REJECTED ( )
AYES:	DISAPPROVED ( )	DEFERRED ( )
NAYES:		
ABSENT:	REFERRED TO:	



# Bid Opening Act

BID No 2019-03

## Aten Boulevard & Cross Road Intersection Improvements

Bids received by: Debra Jackson

Were opened at 3:05 pm on 6/4/2019

By: Debra Jackson

Witnessed by:

Signature

Isabel Alvarez

Isabel Alvarez

Jesús Viuegas

Anthony Lopez

COMPANY

BID AMOUNT

BID BOND

L.C. Paving (missing Addendum #3) 558,516.80

10%

\* Hazard Construction

508,070.00

10%\*

Pyramid Construction & Agg.

614,522.10

10%

BIDS WERE GIVEN TO Othon Mora FOR STUDY AND RECOMMENDATION TO CITY COUNCIL.

DEBRA JACKSON, CITY CLERK

6-4-19  
DATE



**Project Site** →

**Proposed Sidewalk**

Samantha Ct

Taylor Dr

Cross Rd

Cabo San Lucas Ave

Teri Ct

Cedro Ave

Jenner Dr

Sofia Ct

Madrone Dr

Siva Ct

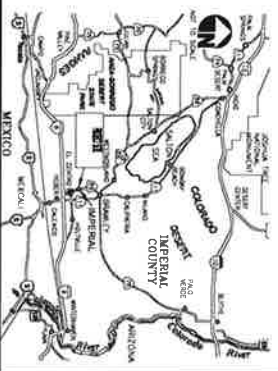
Sampson St

Felipe Ct

Imperial Valley College Blvd

W. Allen Rd

## VICINITY MAP



## PROJECT AREA



### DECLARATION OF RESPONSIBLE CHANGE

I, HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, PROJECT NO. 221-2400, AND THAT I AM RESPONSIBLE FOR THE DESIGN OF THE PROJECT. I HAVE EXERCISED RESPONSIBLE CARE OVER THE DESIGN OF THE PROJECT AND I AM AWARE OF THE PROFESSIONAL CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF IMPERIAL IS CONFINED TO A REVIEW ONLY OF THE TECHNICAL ASPECTS OF THE WORK AND IS NOT A GUARANTEE OF THE RESPONSIBILITIES FOR THE PROJECT DESIGN.

CHARLES SETRAN, P.E.  
DYNAMIC CONSULTING ENGINEERS, INC.  
3415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
IMPERIAL, CA 92225  
(760) 545-0162



# ATTEN BLVD. AND CROSS ROAD INTERSECTION IMPROVEMENTS IN THE CITY OF IMPERIAL, CALIFORNIA

### PROJECT INFORMATION

**OWNER**  
CITY OF IMPERIAL  
4035 IMPERIAL AVENUE  
IMPERIAL, CA 92225  
TEL: (760) 355-3800  
FAX: (760) 355-3800

**ENGINEER**  
DYNAMIC CONSULTING ENGINEERS, INC.  
3415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
IMPERIAL, CA 92225  
TEL: (760) 545-0162  
FAX: (760) 545-0163

### AGENCY CONTACTS

**CITY OF IMPERIAL**  
CITY ENGINEER  
DYNAMIC CONSULTING ENGINEERS, INC.  
3415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
IMPERIAL, CA 92225  
TEL: (760) 545-0162  
FAX: (760) 545-0163

**IMPERIAL WATERShed DISTRICT**  
WATER AND SEWER DEPARTMENT  
3415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
IMPERIAL, CA 92225  
TEL: (760) 545-0162  
FAX: (760) 545-0163

**STATE OF CALIFORNIA**  
CALIFORNIA DEPARTMENT OF TRANSPORTATION  
1515 CALIFORNIA STREET  
SACRAMENTO, CA 95834  
TEL: (916) 227-1500  
FAX: (916) 227-1500

### SHEET INDEX

- TITLE SHEET, VICINITY MAP AND GENERAL NOTES
- DEMOLITION PLAN STA 16+00 TO STA 16+00
- DEMOLITION PLAN STA 16+00 TO STA 17+80
- DEMOLITION PLAN STA 17+80 TO STA 18+00
- IMPROVEMENT PLAN STA 15+00 TO STA 15+00
- IMPROVEMENT PLAN STA 15+00 TO STA 16+00
- IMPROVEMENT PLAN STA 16+00 TO STA 17+80
- IMPROVEMENT PLAN STA 17+80 TO STA 18+00
- IMPROVEMENT PLAN STA 18+00 TO STA 19+00
- IMPROVEMENT PLAN STA 19+00 TO STA 20+00
- DETAIL SHEET
- PROBON AND REVISION CONTROL PLAN

### NOTE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING UTILITIES AND STRUCTURES AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF IMPERIAL, THE STATE OF CALIFORNIA, AND THE FEDERAL AGENCY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES FROM DAMAGE. THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND STRUCTURES IN GOOD WORKING ORDER AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF IMPERIAL, THE STATE OF CALIFORNIA, AND THE FEDERAL AGENCY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES FROM DAMAGE. THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND STRUCTURES IN GOOD WORKING ORDER AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF IMPERIAL, THE STATE OF CALIFORNIA, AND THE FEDERAL AGENCY.

MAY 2019

### STREET IMPROVEMENT GENERAL NOTES

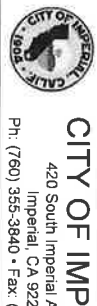
- CITY OF IMPERIAL, ENFORCEMENT PLAN CONDITIONS AND SHOWINGS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH CITY OF IMPERIAL, STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND STRUCTURES (2012 EDITION).
- APPROVAL OF THESE IMPROVEMENT PLANS BY THE STREET DEPARTMENT DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED AND TESTED PRIOR TO CONSTRUCTION OF BRUSH, CURBS OR SIDEWALKS.
- THE EXISTING LOCATION OF EXISTING UNDERGROUND UTILITIES SHALL BE DETERMINED BY A UTILITY LOCATOR OR BY EXISTING RECORDS TO THE BEST OF THE CONTRACTOR'S KNOWLEDGE AND BELIEF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES FROM DAMAGE. THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND STRUCTURES IN GOOD WORKING ORDER AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF IMPERIAL, THE STATE OF CALIFORNIA, AND THE FEDERAL AGENCY.

### 7. UTILITIES CONSTRUCTION

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**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92225  
Ph: (760) 355-3840 • Fax: (760)355-4718



**BENCH MARK:**  
BENCH MARK NO. 1  
BENCH MARK COORDINATES  
NAD 83  
Easting: 434,361.85  
Northing: 3,168,441.85  
Easting: 434,361.85  
Northing: 3,168,441.85  
END OF THE LAST CONCRETE POUR

PREPARED UNDER THE DIRECT SUPERVISION OF  
DATE: 5/27/2019  
R/C/E NO.: 65121  
DATE: 06/26/2019  
R/C/E NO.: 65121

PROJECT TITLE: CITY OF IMPERIAL - ATTEN BOULEVARD  
& CROSS ROAD INTERSECTION IMPROVEMENTS  
SHEET COUNTY: IMPERIAL  
THIS SHEET, VICINITY MAP  
AND GENERAL NOTES  
DATE: MAY 1, 2019

**Dynamic CONSULTING ENGINEERS**  
3415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
IMPERIAL, CA 92225  
TEL: (760) 545-0162  
FAX: (760) 545-0163

### CITY COUNCIL

NAME	OFFICE
ROBERT AMPRANO	CITY MANAGER
DARRELL PECHTL	CITY PLANNER
GEOFF DALE	CITY TREASURER
KARIN EUGENIO	CITY CLERK
JAMES TUCKER	CITY ENGINEER
PARTICIPATING CITY STAFF:	
BRYAN T. CHATMAN	CITY MANAGER
DEBRA JACOBSON	CITY CLERK
OTHELIA WILSON	CITY PLANNER
STACY COX	CITY TREASURER
DEBRA WILSON	CITY ENGINEER
AMANDA ADLAM	BUILDING INSPECTOR

### DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A/C PAVEMENT FOR THE FULL DEPTH OF THE A/C PAVEMENT
- 2 EXISTING A/C PAVEMENT FOR A THICKNESS OF 2 INCHES
- 3 REMOVE AND DISPOSE OF EXISTING A/C PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE
- 4 REMOVE AND DISPOSE OF EXISTING NATIVE MATERIAL TO SUBBASE DESIGN GRADE
- 5 SAWCUT THE EXISTING P C C SIDEWALK FOR THE FULL DEPTH OF THE P C C MATERIAL TO DESIRED SUBBASE GRADE
- 6 REMOVE AND DISPOSE OF EXISTING P C C SIDEWALK AND UNDERLYING MATERIAL TO DESIRED SUBBASE GRADE
- 7 SAWCUT THE EXISTING P C C CURB AND GUTTER AND/OR PORTION OF CROSS CROSS GUTTER TO FULL DEPTH OF THE P C C CURB AND GUTTER AND/OR CURB
- 8 REMOVE AND DISPOSE OF EXISTING P C C CURB AND GUTTER AND/OR PORTION OF CROSS GUTTER AND UNDERLYING MATERIAL TO DESIGN GRADE
- 9 REMOVE AND DISPOSE OF EXISTING P C C SIDEWALK INCLUDING REBARAS AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE
- 10 CONTRACTOR TO COVER THE WATER VALVE RISERS TO 30 FEET BELOW CONCRETE FINISH FLOOR OR SLAB WITH 12" REBAR ON STREET
- 11 CONTRACTOR TO REMOVE EXISTING SIGNAGE TO REMAIN MATERIALS REBAR AND 7/2" ON STREET
- 12 CONTRACTOR TO COVER THE EXISTING SIGNAGE WITH 12" REBAR TO 30 FEET BELOW CONCRETE FINISH FLOOR OR SLAB WITH 12" REBAR ON STREET
- 13 CONTRACTOR TO PROVIDE A CORNER RECORD CARD WITH COUNTY OF IMPERIAL, PRIOR TO CONSTRUCTION
- 14 REMOVE AND RELOCATE EXISTING 41" P. CONC. BY OTHERS
- 15 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 16 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 17 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 18 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 19 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 20 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 21 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL
- 22 CONTRACTOR SHALL PROVIDE 6" REBAR WITH 12" DIA. CONC. SET IN CONCRETE PAVEMENT MATERIAL

### EXISTING FACILITY KEYNOTES

- 1 EXISTING SIDEWALK TO REMAIN
- 2 EXISTING CURB AND GUTTER TO REMAIN
- 3 EXISTING TREES/PLY TO REMAIN
- 4 EXISTING POWER/UTILITY POLE TO REMAIN
- 5 EXISTING A/C PAVEMENT TO REMAIN
- 6 EXISTING SIGN TO REMAIN
- 7 EXISTING SIGN W/REBAR
- 8 EXISTING FIRE HYDRANT TO REMAIN (PROTECT IN PLACE)
- 9 EXISTING WATER METER TO REMAIN
- 10 EXISTING DWV WIRE TO REMAIN
- 11 EXISTING DWV WIRE TO REMAIN
- 12 EXISTING DWV WIRE TO REMAIN
- 13 EXISTING DWV WIRE TO REMAIN
- 14 EXISTING DWV WIRE TO REMAIN
- 15 EXISTING DWV WIRE TO REMAIN
- 16 EXISTING DWV WIRE TO REMAIN
- 17 EXISTING DWV WIRE TO REMAIN
- 18 EXISTING DWV WIRE TO REMAIN
- 19 EXISTING DWV WIRE TO REMAIN
- 20 EXISTING DWV WIRE TO REMAIN
- 21 EXISTING DWV WIRE TO REMAIN
- 22 EXISTING DWV WIRE TO REMAIN

SCALE 1" = 20'

N

TAYLOR DRIVE

**PLAN VIEW**

**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92251  
Ph: (760) 355-9840 • Fax: (760)355-4718

**BENCH MARK:**  
RECORD STATION: 10023.2 (VARIABLE POINT) + 1002.3  
ELEVATION: 278.28' (85.35) M  
NORTH OF THE CROSSING TO THE SOUTH IN THE CENTER OF A GREEN TRUCK COURT IN ONE OF THE EAST CORNERS OF THE SOUTH SIDE OF THE EAST CORNER OF STATION 10023.2

**DYNAMIC CONSULTING ENGINEERS**  
3415 IMPERIAL BUSINESS PARK DRIVE, SUITE B, IMPERIAL, CA 92251  
TEL: (760) 786-6500  
WWW.DYNAMICENGINEERS.COM

NO	DESCRIPTION	DATE



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Imperial, CA 92251  
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PREPARED UNDER THE DIRECT SUPERVISION OF  
DONALD L. SELTMAN, P.E.  
DATE: 5/9/2019  
R.C.E. NO.: 69121  
R.C.E. NO.: 06/29/20  
REG. EXP:

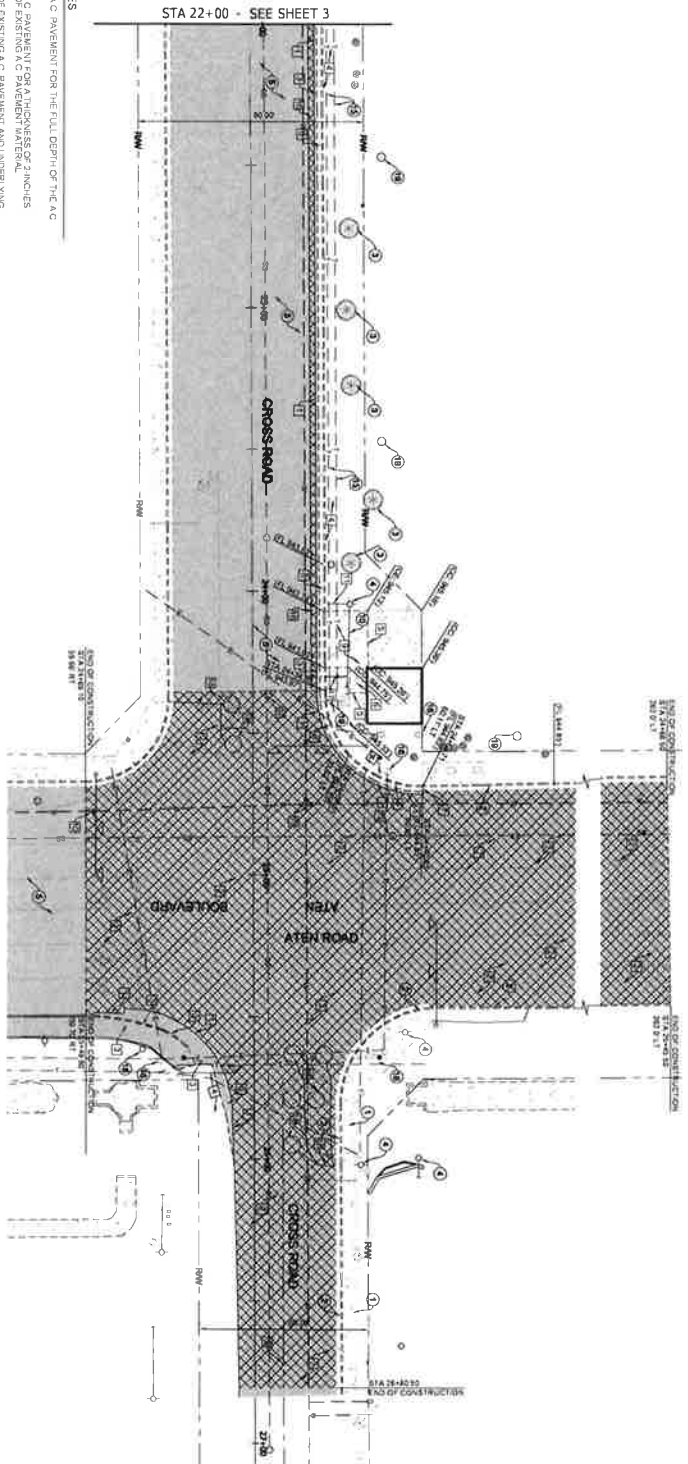
**PROJECT:** 777A, CITY OF IMPERIAL - ATRIS DEVELOPMENT  
& CROSS ROAD INTERSECTION IMPROVEMENTS

**SHEET:** DEMOLITION PLAN  
CROSS ROAD  
S/A 10+30 TO S/A 16+00

DATE	BY	SCALE



STA 22+00 - SEE SHEET 3



**DEMOLITION KEYNOTES**

- 1 DEMOLISH THE EXISTING A/C PAVEMENT FOR THE FULL DEPTH OF THE A/C
- 2 GRIND AND EXPOSE A/C PAVEMENT FOR A THICKNESS OF 2 INCHES
- 3 REMOVE AND DISPOSE OF EXISTING A/C PAVEMENT MATERIAL
- 4 REMOVE AND DISPOSE OF EXISTING A/C PAVEMENT AND UNDERLYING MATERIAL AND SUBBASE DRAIN GRADE
- 5 REMOVE AND DISPOSE OF EXISTING NATIVE MATERIAL TO SUBBASE DESIGN
- 6 SAND/FILL THE EXISTING P/C SIDEWALK FOR THE FULL DEPTH OF THE P/C SIDEWALK
- 7 REMOVE AND DISPOSE OF EXISTING P/C SIDEWALK AND UNDERLYING MATERIAL, TO SUBBASE DESIGN
- 8 REMOVE AND DISPOSE OF EXISTING P/C SIDEWALK AND UNDERLYING MATERIAL FOR FULL DEPTH OF P/C CURB AND GUTTER AND CUTTER AND CROSS CUTTER
- 9 REMOVE AND DISPOSE OF EXISTING P/C CURB AND GUTTER AND UNDERLYING MATERIAL TO SUBBASE DESIGN
- 10 REMOVE AND DISPOSE OF EXISTING P/C DRIVEWAYS INCLUDING REBAR
- 11 REMOVE AND DISPOSE OF EXISTING P/C DRIVEWAYS INCLUDING REBAR AND SIDEWALK AND UNDERLYING MATERIAL TO SUBBASE DESIGN
- 12 CONTRACTOR TO LOWER EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO 30" FET BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL ON SHEET 3.
- 13 GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL ON SHEET 10.
- 14 REMOVE AND RELOCATE EXISTING CURB WIRE BY OTHERS
- 15 REMOVE AND RELOCATE EXISTING FIRE HYDRANT AND ADJUST ELEVANCE. THE CONTRACTOR SHALL RELOCATE SAID FIRE HYDRANT BEHIND THE CONCRETE PERIPHERAL CURB ON SHEET 10. REMOVE AND DISPOSE OF EXISTING A/C PAVEMENT MATERIAL
- 16 REMOVE AND RELOCATE EXISTING WATER MISC ASSEMBLY
- 17 REMOVE AND DISPOSE EXISTING TRAFFIC LIGHTS DETECTIONS

- 1 EXISTING FACILITY KEYNOTES
- 2 EXISTING SIDEWALK TO REMAIN
- 3 EXISTING CURB AND GUTTER TO REMAIN
- 4 EXISTING TREE PALM TO REMAIN
- 5 EXISTING SAND/UTEL/PE/CURB POLE TO REMAIN
- 6 EXISTING A/C MANHOLE TO REMAIN
- 7 EXISTING SIGN TO REMAIN
- 8 EXISTING DRIVEWAY TO REMAIN
- 9 EXISTING FIRE HYDRANT TO REMAIN (PROTECT IN PLACE)
- 10 EXISTING WATER METER TO REMAIN
- 11 EXISTING CURB AND GUTTER TO REMAIN
- 12 EXISTING CROSS CUTTER TO REMAIN
- 13 EXISTING WATER VALVE TO REMAIN
- 14 EXISTING WATER LINE TO REMAIN
- 15 EXISTING WATER LINE TO REMAIN
- 16 EXISTING UTILITY BOX TO REMAIN
- 17 EXISTING EDGE OF PAVEMENT
- 18 EXISTING P/C C/HANDICAP CURB RAMP TO REMAIN
- 19 EXISTING ELECTRICAL CURB POLE TO REMAIN
- 20 EXISTING SIGN MISC. ASSEMBLY TO REMAIN
- 21 EXISTING STORM DRAIN MANHOLE TO REMAIN

**EXISTING FACILITY KEYNOTES**

NO	REVISIONS	DATE

UNLESS OTHERWISE NOTED, ALL DIMENSIONS AND LOCATIONS ARE TO THE CENTERLINE OF THE ROADWAY OR THE CENTERLINE OF THE SIDEWALK OR THE CENTERLINE OF THE UTILITY. ALL DIMENSIONS AND LOCATIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.



**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92251  
Ph. (760) 355-9840 • Fax: (760)355-4718

**BENCH MARK:**  
RECONSTRUCTION DISTRICT NO. 1002  
1111 W. IMPERIAL AVENUE  
NORTH OF THE CORNER OF 11TH STREET AND  
WEST OF THE CORNER OF 11TH STREET  
EAST OF THE EAST CORNER OF 11TH STREET



APPROVED UNDER THE DIRECT SUPERVISION OF  
DATE: 11/27/18  
DATE: 11/29/18  
REC. EXP.



**SHEET CONTENT:**  
DEMOLITION PLAN  
ATEN ROAD INTERSECTION IMPROVEMENTS  
SHEET 22+00 TO STA 28+80

SCALE	DATE	SHEET NO.	TOTAL SHEETS
AS SHOWN	11/27/18	4	12

**Dynamic CONSULTING ENGINEERS**  
10808 DEL MAR BLVD, SUITE 300  
SAN DIEGO, CA 92121  
TEL: (619) 521-1800  
FAX: (619) 521-1800  
WWW.DYNAMICENGINEERS.COM

**PROJECT:** CITY OF IMPERIAL - ATEN ROAD INTERSECTION IMPROVEMENTS & CROSS ROAD INTERSECTION IMPROVEMENTS

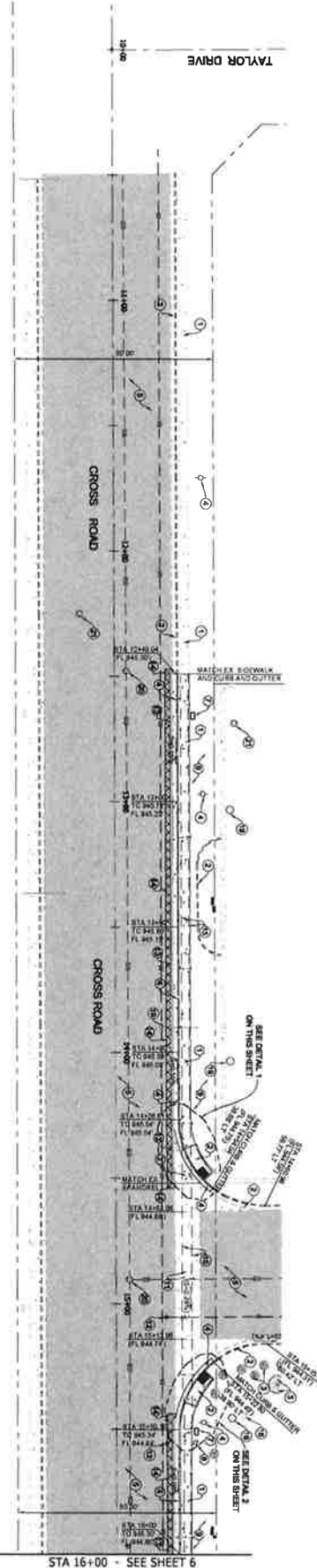
**PREPARED BY:** DAVID L. BELLUM, P.E.

**CHECKED BY:** DAVID L. BELLUM, P.E.

**DATE:** 11/27/18

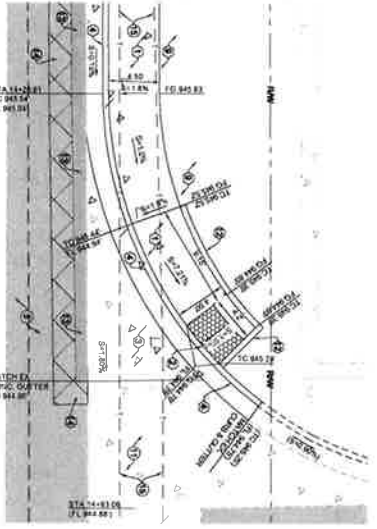
**DATE:** 11/29/18

**NOTE:**  
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF EACH UTILITY IS ILLUSTRATED ON THE PLANS AS BEST AS CAN BE DETERMINED FROM RECORD PLANS AND FIELD SURVEY. AN EFFORT WAS MADE TO LOCATE ALL UTILITIES DURING DESIGN PHASE. HOWEVER, IT IS NOT POSSIBLE TO GUARANTEE THE ACCURACY OF THE UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION OF SURFACE ALONG THE NEW SANITARY SEWER AND ELECTRICAL ALONG CROSS ROAD. THE CONTRACTOR SHALL NOTIFY THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. PRELIMINARY OBSERVATIONS AND IDENTIFIED UTILITIES SHALL BE PROTECTED BY USING LIGHTER CONSTRUCTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

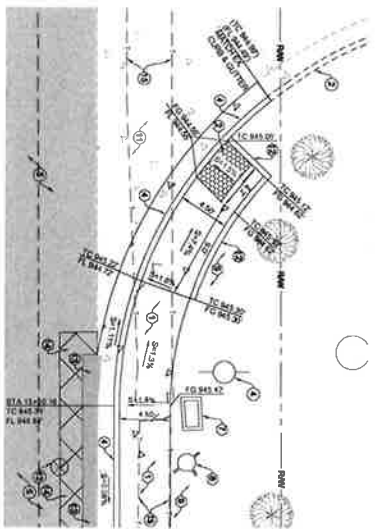


PLAN VIEW

- 1 EXISTING SIDEWALK TO REMAIN
- 2 EXISTING CURB AND CUTTER TO REMAIN
- 3 EXISTING TREEMATERIAL TO REMAIN
- 4 EXISTING POWER/TELEPHONE POLE TO REMAIN
- 5 EXISTING C.P. PAVEMENT TO REMAIN
- 6 EXISTING SIDEWALK TO REMAIN
- 7 EXISTING DRIVEWAY TO REMAIN
- 8 EXISTING TREE PROXY TO REMAIN (PROJECT IN PLACE)
- 9 EXISTING WATER METER TO REMAIN
- 10 EXISTING GUY WIRE TO REMAIN
- 11 EXISTING GREASE CUTTER TO REMAIN
- 12 EXISTING WATER VALVE TO REMAIN
- 13 EXISTING SEWER LINE TO REMAIN
- 14 EXISTING WATER LINE TO REMAIN
- 15 EXISTING AIR LINE TO REMAIN
- 16 EXISTING UTILITY BOX TO REMAIN
- 17 EXISTING EDGE OF PAVEMENT
- 18 EXISTING G.C. HANDCOP CURB ROAD TO REMAIN
- 19 EXISTING ELECTRICAL LIGHT POLE TO REMAIN
- 20 EXISTING SEWER MANHOLE TO REMAIN
- 21 EXISTING STORM DRAIN MANHOLE TO REMAIN



DETAIL 1



DETAIL 2

NOTE:  
 THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

CONTRACTOR'S RESPONSIBILITIES:  
 1. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.  
 2. PROTECT ALL UTILITIES FROM DAMAGE.  
 3. MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES.  
 4. REPORT ANY DAMAGE TO UTILITIES IMMEDIATELY TO THE ENGINEER.

NO.	REVISIONS	DATE

**CITY OF IMPERIAL**  
 420 South Imperial Avenue  
 Imperial, CA 92251  
 Ph: (760) 355-3840 • Fax: (760) 355-4718

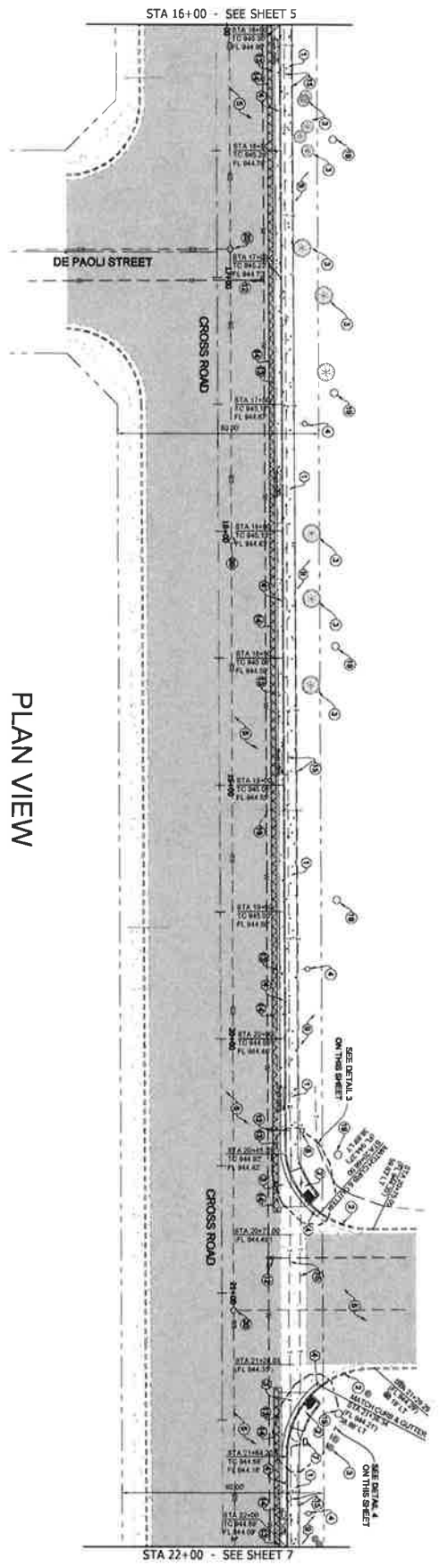
**BENCH MARK:**  
 BENCH MARK LOCATION: 133.52' (VAD) 184+00.00'  
 THE STATION MARK IS A STANDARD BENCH MARK  
 MADE BY THE CALIFORNIA SURVEYING BOARD  
 IN THE LOCATION OF A STAKE MARK SOUTH IN  
 THE END OF THE LAST CONCRETE CURB ROAD

PREPARED UNDER THE DIRECT SUPERVISION OF  
 DANIEL L. BELLMAN, P.E.  
 DATE: 5/8/2019

PROJECT TITLE: CITY OF IMPERIAL - ATEN SQUARE  
 & CROSS ROAD INTERSECTION IMPROVEMENTS  
 SHEET CONTENT:  
 STREET IMPROVEMENTS  
 CROSS ROAD  
 STA 16+50 TO STA 16+00

Dynamic CONSULTING ENGINEERS  
 2415 IMPERIAL BUSINESS PARK DRIVE SUITE B  
 IMPERIAL, CA 92251  
 TEL: (760) 355-4718  
 FAX: (760) 355-4718  
 SCALE: 5/8" = 1'-0"  
 SHEET NO.: 5  
 OF 12 SHEETS  
 DATE: MAR 1, 2019  
 POC: 391219

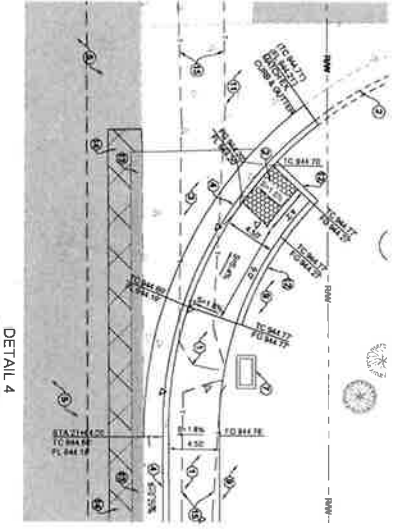
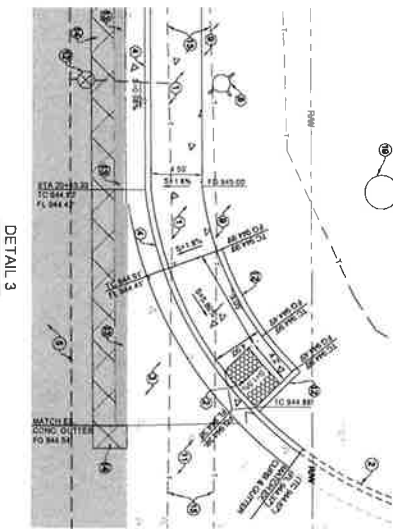




PLAN VIEW

- CONSTRUCTION NOTES
1. INSTALL P.C.C. SIDEWALK 18" WIDE, 4" ON SHEET 10
  2. INSTALL P.C.C. CURB 8" HIGH, 18" ON SHEET 11
  3. INSTALL 18" P.C.C. CURB AND GUTTER 18" ON SHEET 10
  4. INSTALL 18" P.C.C. CURB AND GUTTER 18" ON SHEET 10
  5. REMOVE AND RELOCATED EXISTING UTILITY BOX AT OTHERS
  6. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  7. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  8. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  9. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  10. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  11. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  12. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  13. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  14. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  15. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  16. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  17. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  18. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  19. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  20. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  21. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.
  22. EXISTING FIRE HYDRANT ASSEMBLY TO BE RELOCATED BY THE CONTRACTOR. THE FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET. THE EXISTING FIRE HYDRANT SHALL BE RELOCATED TO THE INTERSECTION OF CROSS ROAD AND DE PAOLI STREET.

- EXISTING FACILITY NOTES
1. EXISTING SIDEWALK TO REMAIN
  2. EXISTING CURB AND GUTTER TO REMAIN
  3. EXISTING FIRE HYDRANT TO REMAIN
  4. EXISTING POWER TELEPHONE POLE TO REMAIN
  5. EXISTING 12" WATER MAIN TO REMAIN
  6. EXISTING 12" WATER MAIN TO REMAIN
  7. EXISTING 12" WATER MAIN TO REMAIN
  8. EXISTING 12" WATER MAIN TO REMAIN
  9. EXISTING 12" WATER MAIN TO REMAIN
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  12. EXISTING 12" WATER MAIN TO REMAIN
  13. EXISTING 12" WATER MAIN TO REMAIN
  14. EXISTING 12" WATER MAIN TO REMAIN
  15. EXISTING 12" WATER MAIN TO REMAIN
  16. EXISTING 12" WATER MAIN TO REMAIN
  17. EXISTING 12" WATER MAIN TO REMAIN
  18. EXISTING 12" WATER MAIN TO REMAIN
  19. EXISTING 12" WATER MAIN TO REMAIN
  20. EXISTING 12" WATER MAIN TO REMAIN
  21. EXISTING 12" WATER MAIN TO REMAIN
  22. EXISTING 12" WATER MAIN TO REMAIN



NO.	REVISIONS	DATE

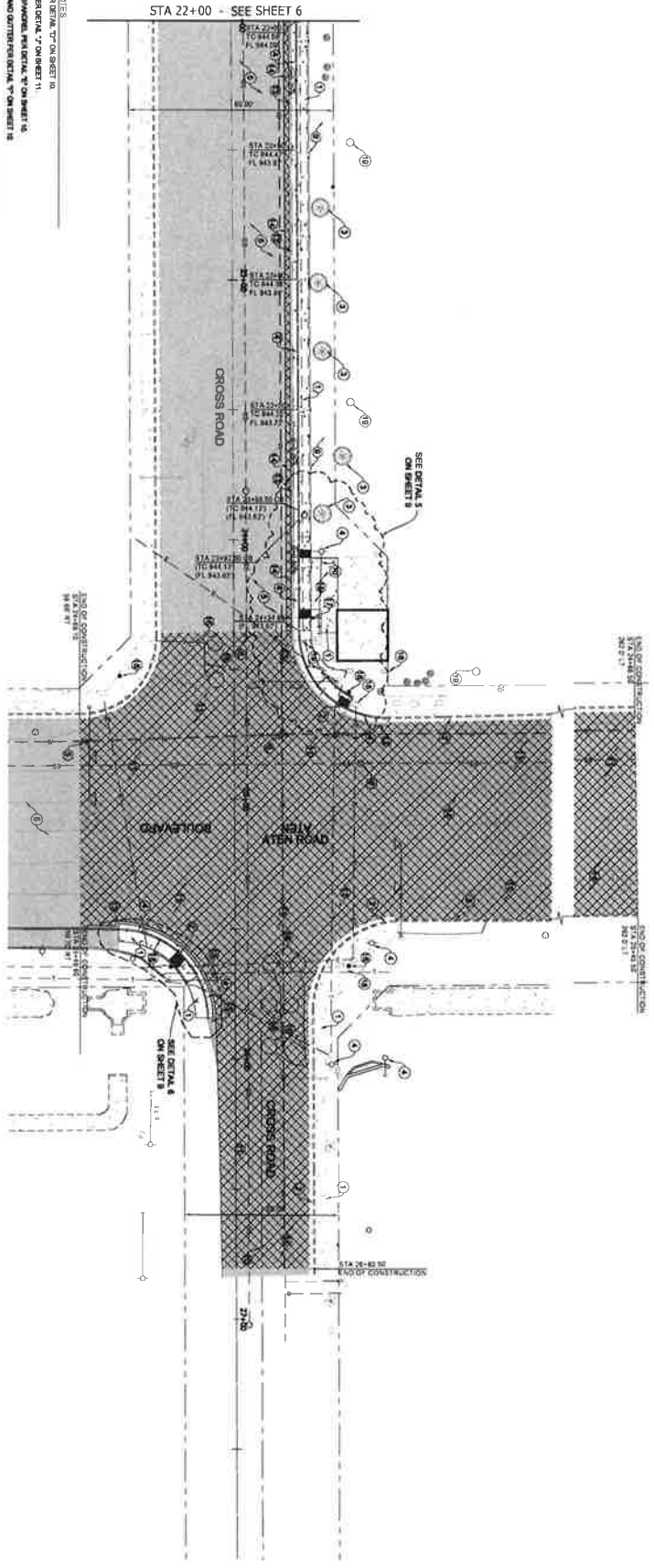
**CITY OF IMPERIAL**  
 420 South Imperial Avenue  
 Imperial, CA 92251  
 Ph. (760) 355-3840 • Fax: (760)355-4718

**BENCH MARK:**  
 THE BENCH MARK IS A STANDARD BENCH MARK  
 THE BENCH MARK IS A STANDARD BENCH MARK  
 THE BENCH MARK IS A STANDARD BENCH MARK  
 THE BENCH MARK IS A STANDARD BENCH MARK

SCALE: 1" = 20'  
 NORTH

**Dynamic CONSULTING ENGINEERS**  
 227-6600  
 4115 IMPERIAL BUSINESS PARK DRIVE, SUITE 100  
 IMPERIAL, CA 92251  
 TEL: (760) 355-3840 FAX: (760) 355-4718

PROJECT: CITY OF IMPERIAL - ATBOL LANE & CROSS ROAD INTERSECTION IMPROVEMENTS  
 SHEET: STREET IMPROVEMENTS  
 CROSS ROAD STA 15+50 TO STA 22+40  
 DATE: JAN 1, 2018  
 SHEET 6 OF 12 SHEETS  
 DCE 391719



**EXISTING FACILITY KEYNOTES**

1. EXISTING SIDEWALK TO REMAIN
2. EXISTING CURB AND CUTTER TO REMAIN
3. EXISTING TREE/PALM TO REMAIN
4. EXISTING POWER/ELECTRICAL POLE TO REMAIN
5. EXISTING A.C. PAVEMENT TO REMAIN
6. EXISTING SIGN TO REMAIN
7. EXISTING DRIVEWAY TO REMAIN
8. EXISTING FIRE HYDRANT TO REMAIN (PROTECT IN PLACE)
9. EXISTING WATER METER TO REMAIN
10. EXISTING DRY WARE TO REMAIN
11. EXISTING CROSS CUTTER TO REMAIN
12. EXISTING WATER WALK TO REMAIN
13. EXISTING SEWER LINE TO REMAIN
14. EXISTING WATER LINE TO REMAIN
15. EXISTING ALI 1 LINE TO REMAIN
16. EXISTING UTILITY BOX TO REMAIN
17. EXISTING EDGE OF PAVEMENT
18. EXISTING P.C.C. HANDICAP CURB RAMP TO REMAIN
19. EXISTING ELECTRICAL LOCK POLE TO REMAIN
20. EXISTING SEWER MANHOLE TO REMAIN
21. EXISTING STORM DRAIN MANHOLE TO REMAIN

**CONSTRUCTION NOTES:**

1. ORIGINAL P.C.C. SIDEWALK, 7" ON SHEET 10
2. ORIGINAL P.C.C. CURB RAMP, 8" ON SHEET 11
3. ORIGINAL P.C.C. DRIVE AND INTERSECTION, 7" ON SHEET 12
4. ORIGINAL P.C.C. DRIVE AND INTERSECTION, 7" ON SHEET 13
5. ADJUST THE EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE. AFTER RAMPING ADJUST THE EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
6. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
7. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
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16. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
17. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
18. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
19. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
20. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.
21. EXISTING UTILITY VERTICAL ALIGNMENT TO MATCH EXISTING GRADE.

DATE: 5/17/2018  
 DRAWN BY: DE, PA  
 CHECKED BY: DE, PA  
 DATE: 5/17/2018

**CITY OF IMPERIAL**  
 420 South Imperial Avenue  
 Imperial, CA 92251  
 Ph: (760) 355-3940 • Fax: (760) 355-4718

**BENCH MARK:**  
 THE STATION MARK IS A STANDARD BENCH-MARK NORTH OF THE CROSSING OF ATEN ROAD AT THE END OF THE EAST CONCOURSE, 10' BELOW.

**PERMITTED UNDER THE DIRECT SUPERVISION OF:**  
 DATE: 5/17/2018  
 R.C.E. NO. 04/29/20  
 REC. EXP.

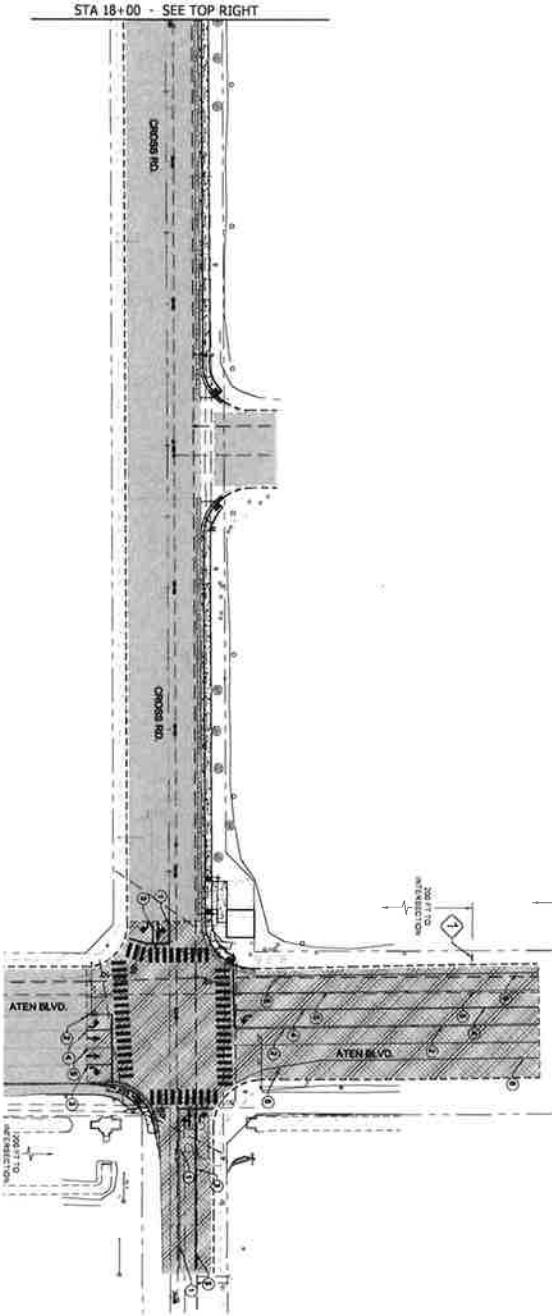
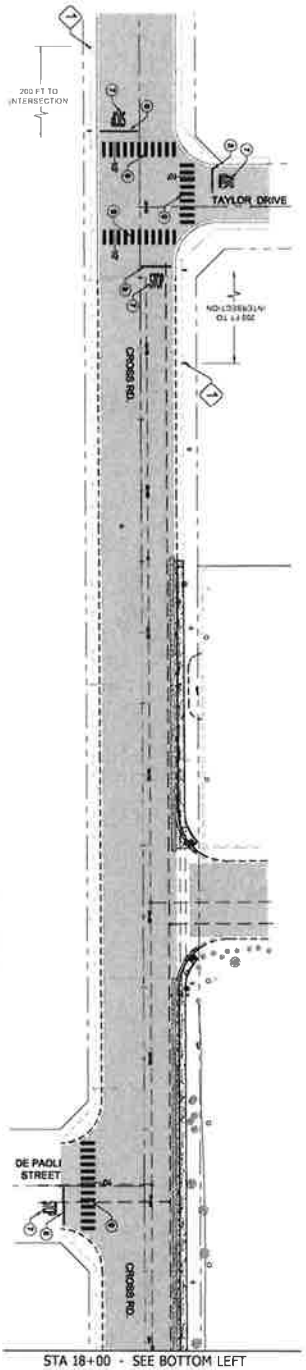
**PROJECT:** TRAIL, CITY OF IMPERIAL, ATEN BOULEVARD & CROSS ROAD INTERSECTION IMPROVEMENTS

**SHEET CONTENT:** STREET IMPROVEMENTS  
 STA 22+00 TO STA 28+90

**DATE:** MAY 1, 2019  
**SHEET:** 7  
**OF 12 SHEETS**  
**DATE:** DEC 31/17

**Dynamic CONSULTING ENGINEERS**  
 4115 IMPERIAL AVENUE, SUITE 100  
 IMPERIAL, CA 92251  
 TEL: (760) 355-4718  
 FAX: (760) 355-4718





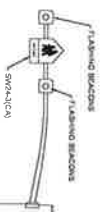
**CONSTRUCTION NOTES:**

- 1 INSTALL DOUBLE YELLOW LINE PER CALTRANS STANDARD PLAN A204
- 2 INSTALL DOUBLE YELLOW LINE PER CALTRANS STANDARD PLAN A204
- 3 INSTALL 8" WHITE CHANGELING LINE PER CALTRANS STANDARD PLAN A200 DETAIL 28A
- 4 INSTALL 8" WHITE CHANGELING LINE PER CALTRANS STANDARD PLAN A200 DETAIL 28C
- 5 INSTALL WHITE DASHLINE PER CALTRANS STANDARD PLAN A204 DETAIL 10
- 6 INSTALL WHITE RIGHT EDGE LINE PER CALTRANS STANDARD PLAN A200 DETAIL 27B
- 7 INSTALL STOP PAVEMENT LEGEND PER CALTRANS STANDARD PLAN A200
- 8 INSTALL 12 INCH WHITE CURB PER CALTRANS STANDARD PLAN A204
- 9 INSTALL CONCRETE CROSSWALK MARKINGS PER CALTRANS STANDARD PLAN A204
- 10 REINFORCEMENT CURBANT AND SHOULDER

**LEGEND:**

- INSTALL TYPE 1 (R) ARROWS PER CALTRANS STANDARD PLAN A204
- INSTALL TYPE 1V (L) ARROW PER CALTRANS STANDARD PLAN A204
- INSTALL TYPE 1V (R) ARROW PER CALTRANS STANDARD PLAN A204
- INSTALL TYPE 1W (R) ARROW PER CALTRANS STANDARD PLAN A204
- INSTALL TYPE 1W (L) ARROW PER CALTRANS STANDARD PLAN A204
- STRIPING TO BE THERMOPLASTIC

**EXISTING AS SHOWN**



FLASHING BEACONS WITH TYPE III SIGN PER CALTRANS STANDARD PLAN A204 DETAIL 20



2



NO.	REVISIONS	DATE

**CITY OF IMPERIAL**

420 South Imperial Avenue  
Imperial, CA 92251  
Ph: (760) 355-3940 • Fax: (760) 355-4718

**BENCH MARK:**  
BENCH MARK: 333.323 (IMPERIAL-1000)  
THE STATION MARK IS A VANGUARD BENCH-MARK  
NORTH OF THE CROSSING OF AVENUE ROAD AT  
THE CORNER OF A 50' X 50' TRAP SQUARE. THE  
TOP OF THE BENCH-MARK IS 333.323 FEET  
AND OF THE EAST CORNER IS 333.323 FEET.

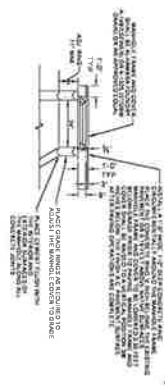


PREPARED UNDER THE DIRECT SUPERVISION OF  
DATE: 11/11/2018  
DATE: 11/11/2018

PROJECT TITLE: CITY OF IMPERIAL - AVENUE ROAD  
& CROSS ROAD INTERSECTION IMPROVEMENTS  
SHEET NO: 9  
DATE: 11/11/2018

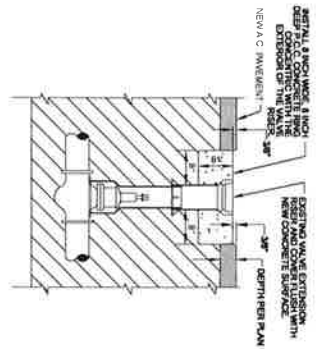
**Dynamic ENGINEERS CONSULTING**  
1-800-277-4600  
3411 IMPERIAL BUSINESS PARK DRIVE SUITE B, IMPERIAL, CA 92251  
TEL: (760) 939-1438 FAX: (760) 939-1438

DATE: 11/11/2018  
SHEET: 9 OF 12 SHEETS  
JOB NO: 2018-010  
DC: 2018-010

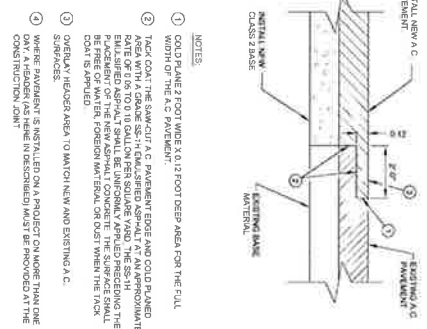


**SANITARY SEWER MANHOLE AND COVER ADJUSTMENT**  
DETAIL "A"

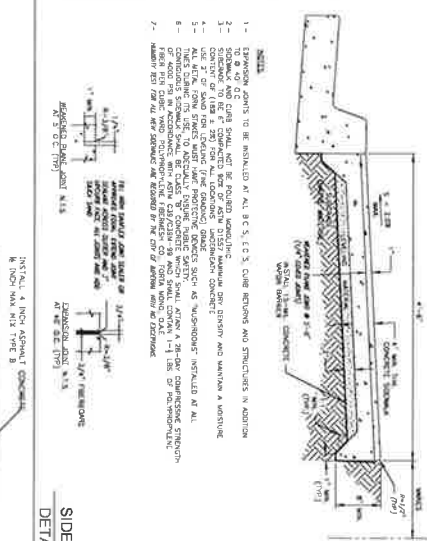
**NOTES:**  
1. COVER SHALL BE 1/2" CLEARANCE FROM WALLS.  
2. COVER SHALL BE 1/2" CLEARANCE FROM WALLS.  
3. COVER SHALL BE 1/2" CLEARANCE FROM WALLS.  
4. COVER SHALL BE 1/2" CLEARANCE FROM WALLS.



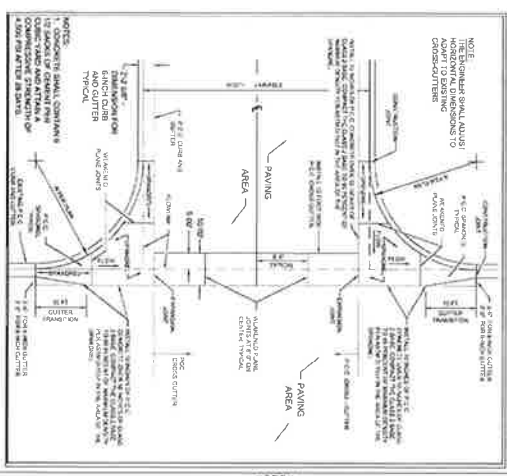
**VALVE RISER AND COVER ADJUSTMENT**  
DETAIL "B"



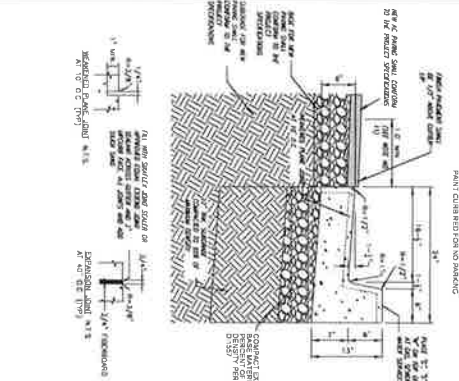
**NEW CONSTRUCTION PAVEMENT EXTENSION**  
DETAIL "C"



**SIDEWALK**  
DETAIL "D"



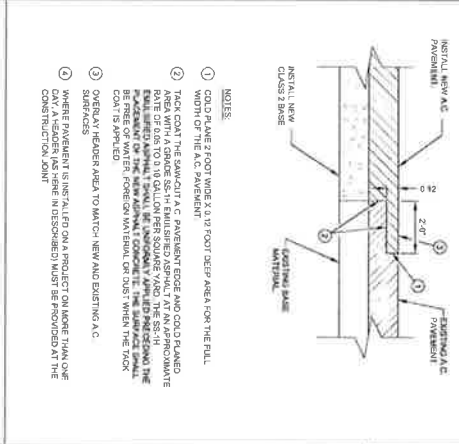
**P.C.C. SPANREL**  
DETAIL "E"



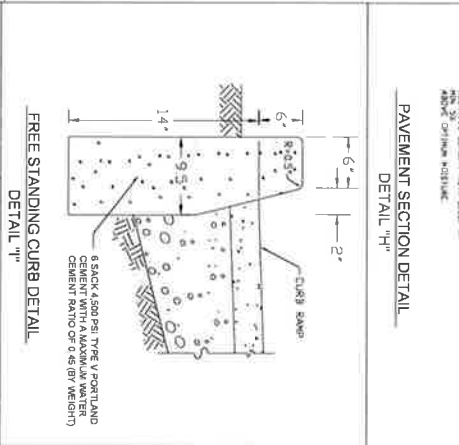
**6 INCH P.C.C. CURB AND GUTTER**  
DETAIL "F"



**NEW CONSTRUCTION PAVEMENT**  
DETAIL "G"



**FREE STANDING CURB**  
DETAIL "H"



**PAVEMENT SECTION**  
DETAIL "I"

NO.	REVISIONS	DATE

**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92251  
Ph: (760) 355-3840 • Fax: (760) 355-4718

**BENCH MARK**  
BENCH MARK  
BENCH MARK

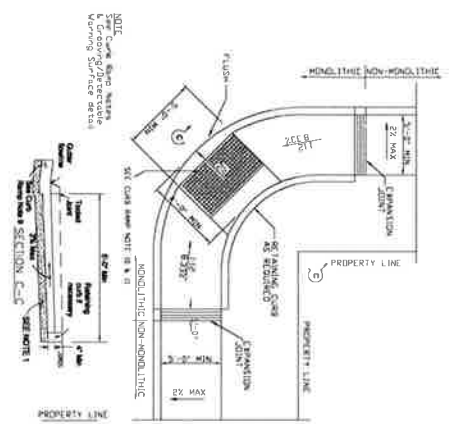
**PREPARED UNDER THE DIRECT SUPERVISION OF**  
DATE: 3/17/2018  
DATE: 06/20/20

**PROJECT TITLE: CITY OF IMPERIAL - ATB/BOLLEAS ROAD & CROSS ROAD INTERSECTION IMPROVEMENTS**  
SHEET CONTAINS: DETAILS SHEET

**Dynamic CONSULTING ENGINEERS**  
1-800-277-6600  
227-6600

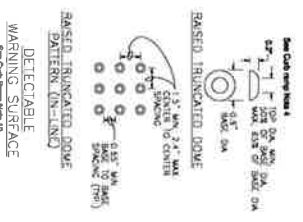
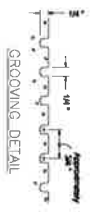
NO.	REVISIONS	DATE

**Dynamic CONSULTING ENGINEERS**  
1-800-277-6600  
227-6600

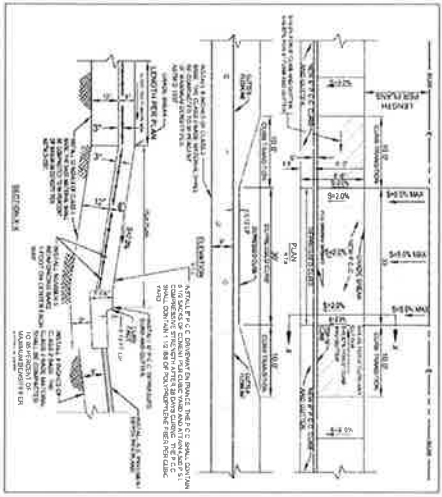


- CONSTRUCTION NOTES**
1. See note and note on sheet K-1 for details of C-2 curb ramp. 2000# concrete strength shall be per design concrete and be placed over CH-15 base or per design layer of least thickness. 20' depth shall be provided and minimum depth shall be 18' for 20' depth. 20' depth shall be provided.
  2. See note.
  3. The construction of the ramp shall conform with the existing type of curb and slope. Modifications to the existing curb or slope shall be approved by the City Engineer.
  4. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  5. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  6. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  7. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  8. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  9. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  10. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  11. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  12. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  13. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  14. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.
  15. The ramp shall be finished with a smooth surface of concrete or other material approved by the City Engineer.

CURB RAMP DETAIL  
DETAIL "J"



DRIVEWAY ENTRANCE DETAIL  
DETAIL "K"



NO.	REVISIONS	DATE

**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92251  
Ph. (760) 365-3840 • Fax: (760)355-4718

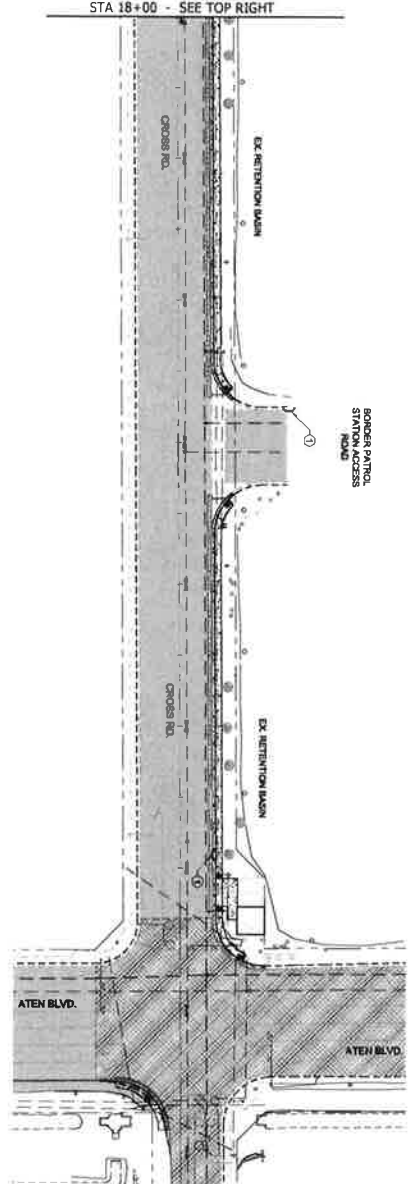
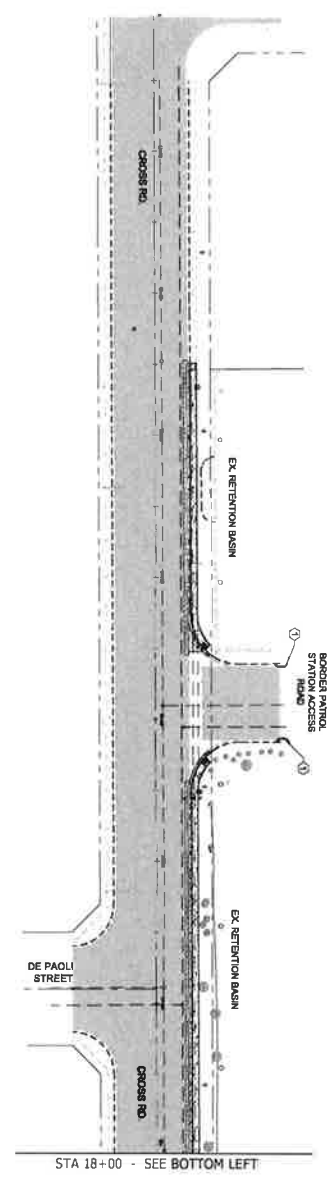
**BENCH MARK**  
THE STATION MARK IS A STANDARD BENCH-MARK  
NORTH OF THE CORNER OF ALEX'S ROAD AT  
THE INTERSECTION OF ALEX'S ROAD SOUTH  
END OF THE EAST CORNER OF THE BENCH MARK.

PREPARED UNDER THE DIRECT SUPERVISION OF	DATE
ONCE L. BROWN, P.E.	3/27/2019

PROJECT TITLE: CITY OF IMPERIAL - ATEN BOULEVARD 8. CROSS ROAD INTERSECTION IMPROVEMENTS	DATE
SHEET NO. 11	REVISED BY: CB

**Dynamic CONSULTING ENGINEERS**  
201 BOWLING GREEN BLVD  
IMPERIAL, CA 92251  
TEL: (760) 355-4718  
FAX: (760) 355-4718

DATE: MAY 1, 2019	SHEET NO. 11
OR 12 SHEET	DATE: 3/27/19



**EROSION AND SEDIMENT CONTROL NOTES**

1. FILTERED RUNOFF. ALL RUNOFF SHALL BE FILTERED PRIOR TO DISCHARGING FROM A SITE ON TO ANY TYPE OF PRIVATE OR PUBLIC STORM WATER CONVEYANCE SYSTEM (NATURAL WATERCOURSES, STREETS, GUTTERS, LEAKY CURBS, STORM DRAINS, CONVEYANCE SYSTEMS, VENTILATION, ETC.). ALL NON-POINT SOURCE DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM.
2. BEST MANAGEMENT PRACTICES (BMP) POLLUTION PREVENTION MEASURES. ALSO KNOWN AS BEST MANAGEMENT PRACTICES (BMP), THESE MEASURES SHALL BE DESIGNED TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
3. EROSION AND SEDIMENT CONTROL. ALL EROSION MEASURES SHALL BE INSTALLED, MAINTAINED, MONITORED YEAR-ROUND THROUGHOUT THE DURATION OF THE PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
4. EROSION CONTROL. EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, APPLYING AND ESTABLISHING VEGETATIVE COVER, HOOD BLOCK, STABILIZATION OF EXPOSED SOILS, EROSION CONTROL ON OTHER PLANTS, BARRIERS, SLOPE PROTECTION, AND OTHER MEASURES APPROVED BY THE CITY ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
5. SEDIMENT CONTROL. SEDIMENT CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, INSTALLING SEDIMENT TRAPS, SODS, FILTERS, SAND TRAPS, CHECK DAMS, AND OTHER MEASURES APPROVED BY THE CITY ENGINEER. ALL SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
6. STATE CONSTRUCTION GENERAL PERMIT. IF THE PROJECT DISTURBS CROSS OR STOCKPILES ONE ACRE OR MORE OF SOIL, THE PROJECT SHALL OBTAIN A STATE CONSTRUCTION GENERAL PERMIT FROM THE CALIFORNIA DEPARTMENT OF WATER RESOURCES. THE PERMIT SHALL BE PROVIDED TO THE CITY PRIOR TO COMMENCEMENT OF ANY GRADING WORK.
7. PERMITTER PROTECTION. PERMITTER PROTECTION MUST BE INSTALLED PRIOR TO ANY GRADING ACTIVITIES. CLEARING SHALL BE LIMITED TO AREAS THAT WILL BE IMMEDIATELY GRADED OR INSTALLED. A COMBINATION OF EROSION MEASURES SHALL BE IMPLEMENTED IN AREAS THAT HAVE BEEN CLEARED. ALL DISTURBED AREAS OF AN INACTIVE SITE SHALL ALSO BE PROTECTED.
8. CONSTRUCTION ACCESS POINTS. CONSTRUCTION ACCESS POINTS SHALL BE ESTABLISHED WITH A COMBINATION OF ROCK AND SHAVER PLATES TO PREVENT TRACK-OUT INTO ADJACENT AREAS. ALL TRACK-OUT SHALL BE REMOVED FROM THE TRACK-OUT AREA. TRACK-OUT SHALL BE REMOVED FROM TRACK-OUT AREAS PRIOR TO ANY GRADING ACTIVITIES. TRACK-OUT SHALL BE REMOVED FROM TRACK-OUT AREAS PRIOR TO ANY GRADING ACTIVITIES. TRACK-OUT SHALL BE REMOVED FROM TRACK-OUT AREAS PRIOR TO ANY GRADING ACTIVITIES.
9. MAINTENANCE. ALL DIRT AND GRAVE FLOW LINES, E.G., AND APPROPRIATE, STORM DRAINS, GUTTERS, CURBS, AND OTHER STORM WATER CONVEYANCE SYSTEMS, SHALL BE MAINTAINED AND CLEANED AS NECESSARY TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
10. OBSTRUCTIONS. NO OBSTRUCTIONS, OTHER THAN BMP'S, SHALL BE ALLOWED WITHIN ANY STORM WATER CONVEYANCE SYSTEM UNLESS ALTERNATIVE DRAINAGE FACILITIES HAVE BEEN APPROVED BY THE CITY ENGINEER.

**ADDITIONAL NOTES**

1. CONSTRUCTION WASTE. CONSTRUCTION WASTE AND MISCELLANEOUS DEBRIS SHALL BE PLACED IN WATER-TIGHT BINS, WHEELED LOADERS, AND SHALL BE LINED WITH PLASTIC AND COVERED AWAY FROM PUBLIC RIGHT-OF-WAYS. STOCK PILES AND OTHER ANY FRESHWATER RAIN, DRAIN, AND WASH-OUTS SHALL BE COVERED WITH LIDS OR PLASTIC SHEETS.
2. MAINTENANCE. ALL DIRT AND GRAVE FLOW LINES, E.G., AND APPROPRIATE, STORM DRAINS, GUTTERS, CURBS, AND OTHER STORM WATER CONVEYANCE SYSTEMS, SHALL BE MAINTAINED AND CLEANED AS NECESSARY TO PREVENT POLLUTION FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CHANGES, INCLUDING EXISTING AND NEW DEVELOPMENT ON ANY DISCHARGING FROM CONSTRUCTION.
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**BMP CONSTRUCTION NOTES:**

1. INSTALL BIFILTER BAGS EROSION CONTROL. PER DETAIL. CROSS DETAIL 05-14
2. CONCRETE WASTE DISPOSAL AREA PER CROSS DETAIL 05-14. IF REUSED CONCRETE CONCRETE WASTE SHALL BE PLACED WITHIN THE CONSTRUCTION AREA CONCRETE WASTE SHALL BE PLACED WITHIN THE CONSTRUCTION AREA CONCRETE WASTE SHALL BE PLACED WITHIN THE CONSTRUCTION AREA



NO.	REVISIONS	DATE

**CITY OF IMPERIAL**  
420 South Imperial Avenue  
Imperial, CA 92251  
Ph: (760) 355-3840 • Fax: (760) 355-4718

**BENCH MARK:**  
BENCH MARK IS A 12" DIAMETER CONCRETE CIRCLE WITH A 12" DIAMETER IRON ROD IN THE CENTER. THE BENCH MARK IS SET AT THE CORNER OF A 5' X 5' GRID. THE BENCH MARK IS SET AT THE CORNER OF A 5' X 5' GRID. THE BENCH MARK IS SET AT THE CORNER OF A 5' X 5' GRID.

**PROPOSED UNDER THE DIRECT SUPERVISION OF:**  
CLASS: 1. DESIGN, P.E.  
DATE: \_\_\_\_\_

**SCALE:** 1" = 20'  
DATE: \_\_\_\_\_

**PROJECT:** 7726, CITY OF IMPERIAL - ATEN BOLLINGERS & CROSS ROAD INTERSECTION IMPROVEMENTS  
**SHEET CONTENT:** EROSION AND SEDIMENT CONTROL PLAN

**Dynamic CONSULTING ENGINEERS**  
2145 IMPERIAL AVENUE, SUITE 101, IMPERIAL, CA 92251  
TEL: (760) 355-4718  
FAX: (760) 355-4718