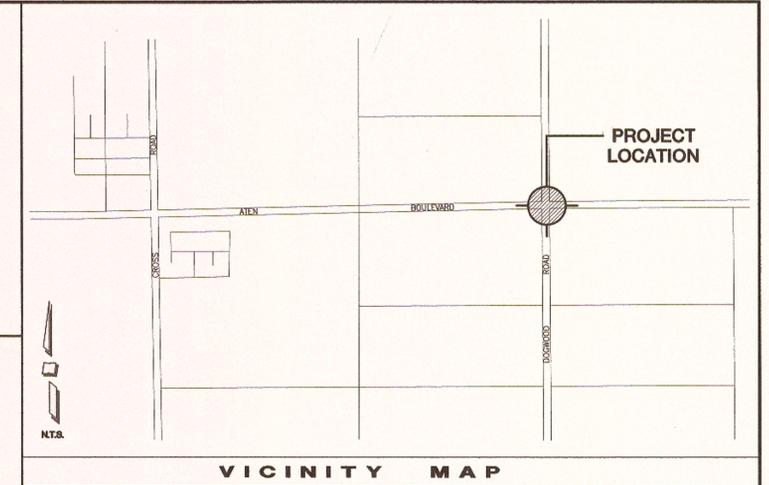




ATEN BOULEVARD AND DOGWOOD ROAD SIGNALIZATION AND INTERSECTION IMPROVEMENTS FEDERAL AID PROJECT NO. CMAQ-5134(017) IN THE CITY OF IMPERIAL, COUNTY OF IMPERIAL, STATE OF CALIFORNIA.



STREET IMPROVEMENT GENERAL NOTES

- CITY AND/OR COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
 - THE PAVEMENT STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH THE CITY AND/OR COUNTY OF IMPERIAL STANDARDS, SOILS REPORT RECOMMENDATIONS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE DEVELOPMENT SERVICES DEPARTMENT DIRECTOR (OR CALTRANS).
 - APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
 - ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
 - THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
 - LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
 - UTILITIES COORDINATION
NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

1. CITY OF IMPERIAL DEPT. OF PUBLIC WORKS	(760) 335-1152
2. COUNTY OF IMPERIAL DEPT. OF PUBLIC WORKS	(760) 482-4462
3. IMPERIAL IRRIGATION DISTRICT (POWER)	(760) 339-9280
4. IMPERIAL IRRIGATION DISTRICT (WATER)	(760) 339-9263
5. PACIFIC BELL	(800) 442-4133
6. THE GAS CO.	(800) 422-4133 / (800) 227-2600
7. TIME WARNER CABLE	(760) 35-4800
- BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- ACCURATE VERIFICATION AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, PACIFIC BELL, TELEPHONE COMPANY, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT": AT 811.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
 - CONSTRUCT A PUBLIC STREET LIGHT SYSTEM CONFORMING TO APPROPRIATE STANDARDS AND STREET LIGHT SPECIFICATIONS. POWER SOURCES AND RUNS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY EASEMENT.
 - NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
 - PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. CITY AND/OR COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.
 - ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
 - CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.

- THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE CITY AND/OR COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN CITY AND/OR COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED, (760) 355-1152. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEY'RE CONTACT NUMBER 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE CITY AND/OR COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.
- NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE CITY AND/OR COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
- ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE CITY AND/OR COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF THE CITY OF IMPERIAL; WHERE, OR IF, CONFLICTS OCCUR, THEN THE CITY AND/OR COUNTY OF IMPERIAL REQUIREMENTS SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2010". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY, CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812.
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- AS DETERMINED BY THE CITY AND/OR COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT DIRECTOR/ROAD COMMISSIONER, THE DEVELOPER IS RESPONSIBLE, FOR A MINIMUM, FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- EXISTING STORM DRAIN PIPES/CULVERTS WHITER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEN FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE CITY AND/OR COUNTY OF IMPERIAL TRAFFIC ENGINEER.
- ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND TO THE SATISFACTION OF THE CITY AND/OR COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILLED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
- THE NOTES LISTED ABOVE ARE MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPILING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

ABBREVIATIONS

R/W	RIGHT OF WAY
PP	POWER POLE
TC	TOP OF CURB ELEVATION
FL	FLOW LINE ELEVATION
INV	INVERT ELEVATION
A	ASPHALT ELEVATION
CR	CROWN ELEVATION
EP	EDGE OF PAVEMENT ELEVATION
TW	TOP OF WALL
BW	BOTTOM OF WALL
BP	BORROW PIT
NS	NATURAL SURFACE

LEGEND

---	RIGHT OF WAY LINE
---	CENTERLINE
---	EASEMENT LINE
[Pattern]	PROPOSED CONCRETE AREA
[Pattern]	PROPOSED AC PAVEMENT
[Pattern]	AC PAVEMENT OVERLAY AREA
[Pattern]	EXISTING AC PAVEMENT
[Symbol]	PROPOSED TRAFFIC SIGNAL POLE
---T---	EXISTING TELEPHONE LINE (AT&T)
---D-E---	EXISTING OVERHEAD LINE
---GAS---	EXISTING GAS LINE
(XX.XX)	EXISTING DATA
XX.XX	NEW DATA
44.00	PROPOSED CONTOUR LINE

INDEX PLANS

CIVIL PLANS		
SHT NO.	DRW	DESCRIPTION
1	T1	TITLE SHEET
2	C1	IMPROVEMENT PLAN
3	C2	PROFILES & DETAILS
4	C3	IMPROVEMENTS WITHIN RIGHT OF WAYS AND EASEMENTS
5	C4	CROSS SECTIONS
6	C5	STRIPING PLAN
7	C6	IMPROVEMENT PLAN, COUNTY OF IMPERIAL APPROVAL AREA

TRAFFIC SIGNAL PLAN		
SHT NO.	DESCRIPTION	
8	TRAFFIC SIGNAL PLAN	

TRAFFIC CONTROL PLANS NOTE:

THE TRAFFIC CONTROL PLANS FOR THIS PROJECT WILL BE SUBMITTED BY THE CONTRACTOR DOING THE WORK AT THE TIME OF REQUEST OF IMPERIAL COUNTY PUBLIC WORKS ENCROACHMENT PERMIT

DECLARATION OF RESPONSIBLE CHARGE

I, JOSE J. AVILA HEREBY DECLARE THAT I AM THE ENGINEER OF THE WORK OF THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF IMPERIAL IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITY FOR PROJECT DESIGN.

JOSE J. AVILA
BJ ENGINEERING AND SURVEYING, INC.
341 WEST CROWN COURT, SUITE 100
IMPERIAL, CA. 92251
(760) 353 3552



By: Jose J. Avila DATE: 10/30/14
JOSE J. AVILA
R.C.E. 66706

IMPERIAL COUNTY NOTE:

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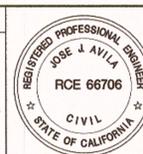
IMPERIAL COUNTY ENCROACHMENT PERMIT NO. 12736-13

APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: William S. Brunet DATE: 11-3-14
WILLIAM S. BRUNET, P.E.
R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
CITY OF IMPERIAL, CA.
BY: Jackie Loper DATE: 10-30-14
JACKIE LOPER

ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
BY: Jose J. Avila DATE: 10/30/14
JOSE J. AVILA
R.C.E. NO.: 66706



NO.	REVISION	DATE	BY
1	CHANGES PER COUNTY RED LINE DATED 6-23-14	8-21-14	JH
2	CHANGES PER COUNTY RED LINE DATED 9-12-14	9-30-14	JH
3	CHANGES PER COUNTY RED LINE DATED 10-10-14	10-20-14	JH
4	CHANGES PER COUNTY RED LINE DATED 10-27-14	10-30-14	JH

NOTE: THE ENGINEER'S SEAL AFFIXED BESIDE INDICATES THAT THE METHOD OF ANALYSIS PRESENTED IS CONSISTENT WITH ACCEPTED ENGINEERING PRACTICES AND CODE ACCEPTED DESIGN VALUES AND THAT THIS ENGINEER IS ONLY RESPONSIBLE FOR THE DESIGN OF CIVIL ENGINEERING WORK SHOWN ON THIS PLAN.

BJ ENGINEERING & SURVEYING, INC.
Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
Fax (760) 353-3751 IMPERIAL, CA. 92251

**ATEN BOULEVARD AND DOGWOOD ROAD
SIGNALIZATION AND INTERSECTION IMPROVEMENTS**
TITLE SHEET
DRAWING **T1**
SHT. 1 OF 8
BY: JH
IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016

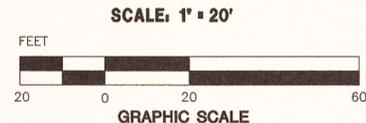
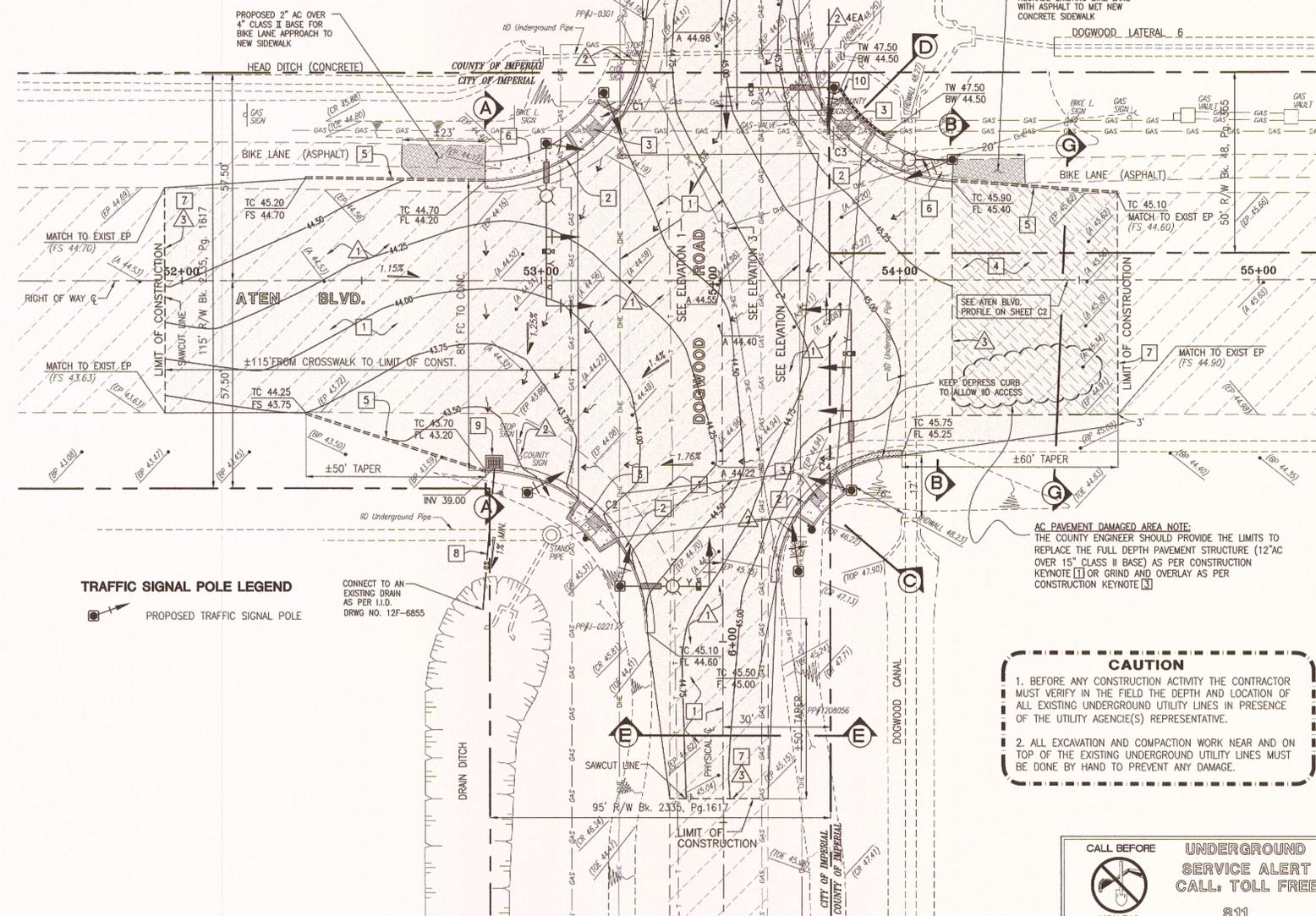
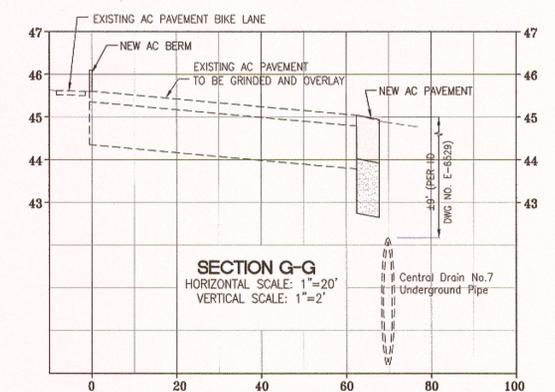
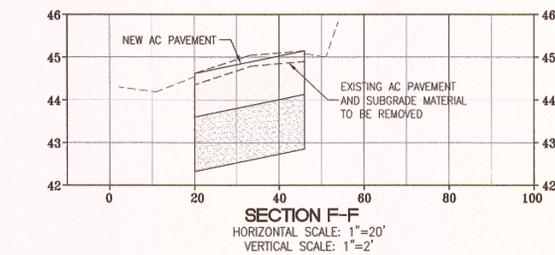
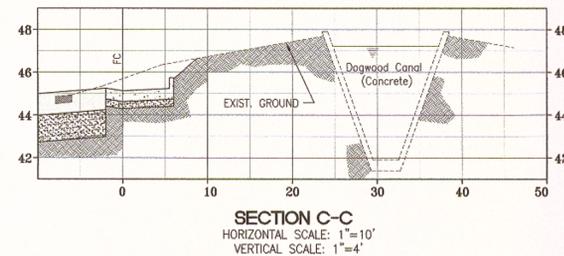
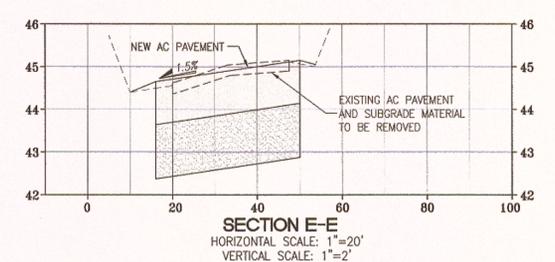
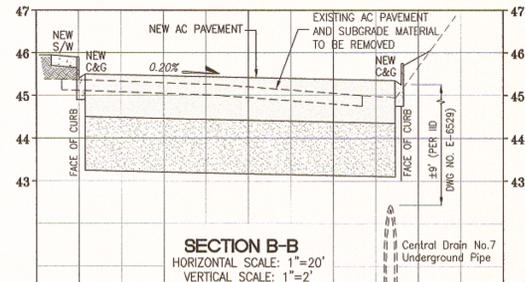
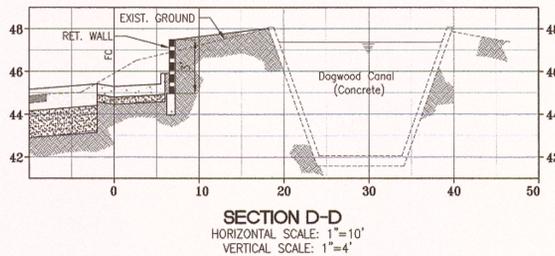
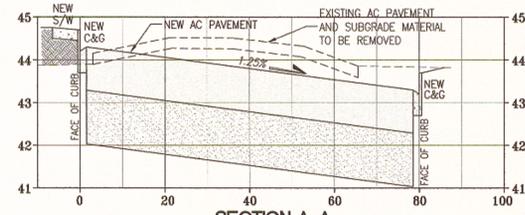
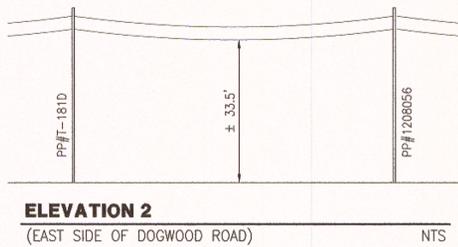
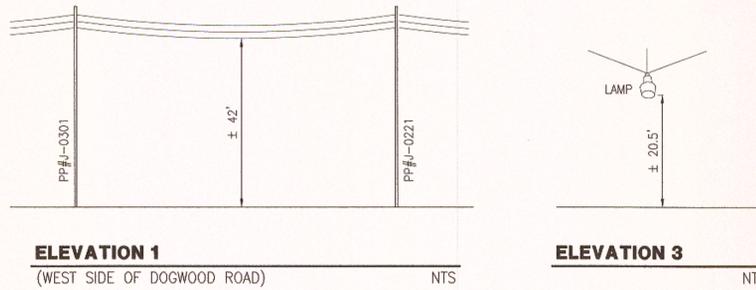
CONSTRUCTION KEYNOTES

- 1 PROPOSED AC PAVEMENT PER DETAIL
- 2 PROPOSED PCC CURB AND GUTTER PER DETAIL
- 3 PROPOSED PCC HANDICAP RAMP PER DETAIL
- 4 GRIND 3" OF EXISTING AC PAVEMENT AND OVERLAY MIN. 3" TO PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND NEW AC PAVEMENT
- 5 PROPOSED 6" AC BERM
- 6 PROPOSED PCC SIDEWALK PER DETAIL
- 7 CONSTRUCT AC PAVEMENT JOINT PER DETAIL
- 8 INSTALL 12" HDPE PIPE
- 9 INSTALL NEW STORM DRAIN INLET PER DETAIL
- 10 CONSTRUCT RETAINING WALL PER DETAIL

DEMOLITION KEYNOTES

- 1 REMOVE AND DISPOSE EXISTING AC PAVEMENT AND SUBGRADE MATERIAL
- 2 REMOVE AND/OR RELOCATE EXISTING SIGN
- 3 SAWCUT EXISTING AC PAVEMENT

CURVE DATA TABLE			
CURVE	RADIUS	DELTA	LENGTH
C1	45.00'	89°57'02"	70.65'
C2	45.00'	90°02'58"	70.72'
C3	45.00'	87°46'00"	68.93'
C4	35.00'	89°56'52"	54.95'



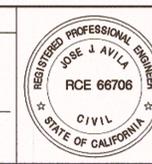
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APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: *William S. Brunet* DATE: 11-3-14
WILLIAM S. BRUNET, P.E.
R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
CITY OF IMPERIAL, CA.
BY: *Jackie Zoper* DATE: 10-30-14
JACKIE ZOPER
R.C.E. NO.: 66706

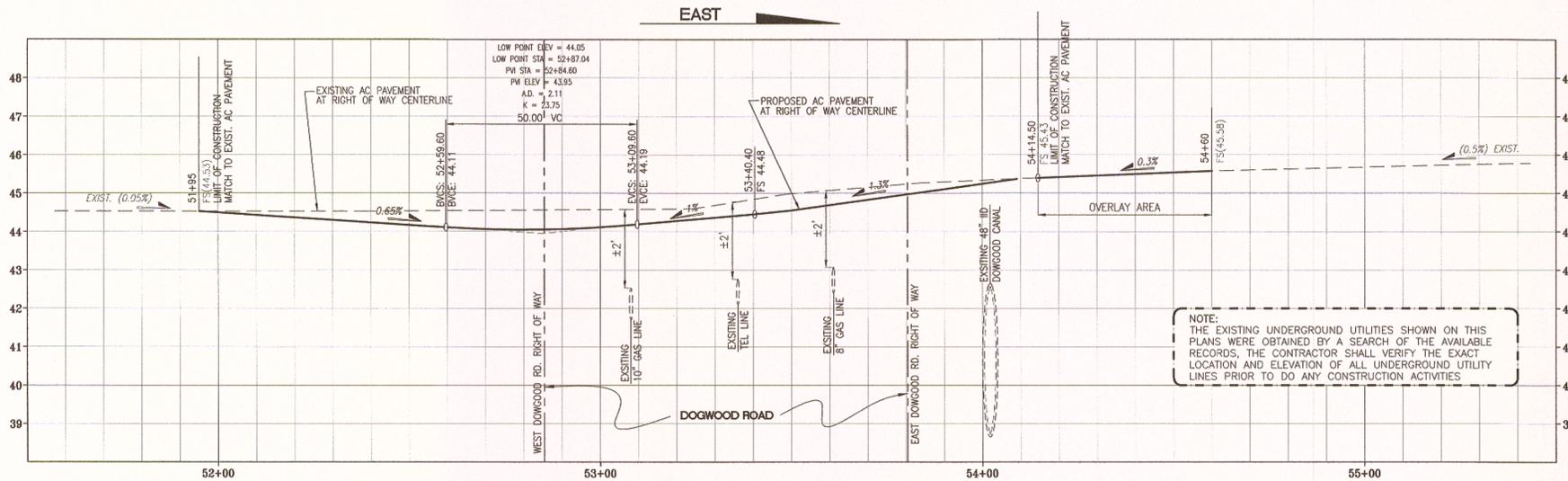
ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
BY: *Jose J. Avila* DATE: 10/30/14
JOSE J. AVILA
R.C.E. NO.: 66706



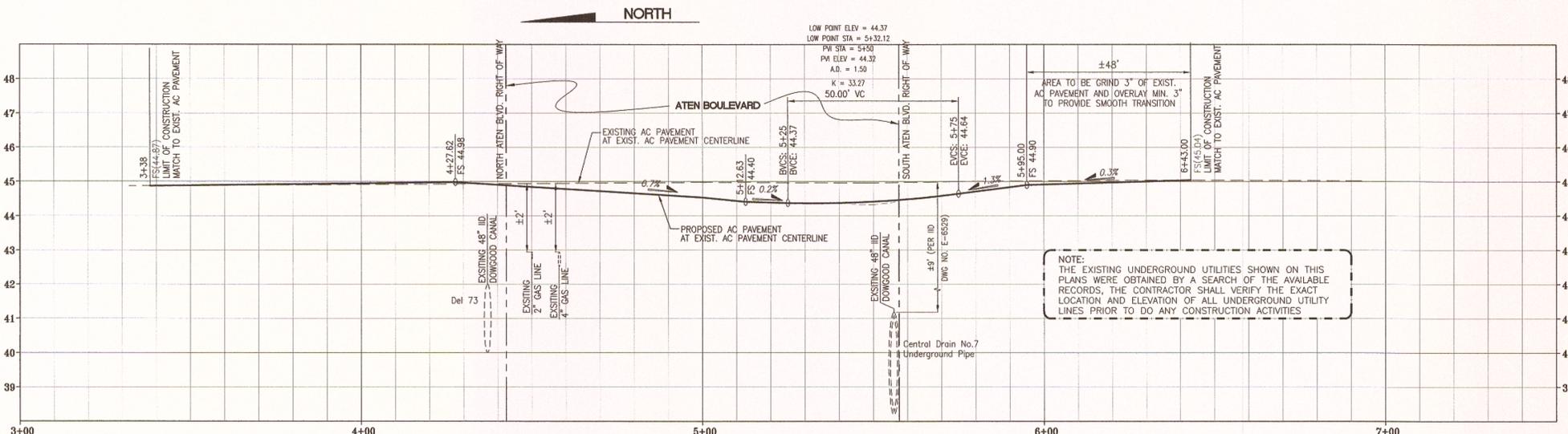
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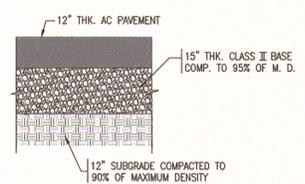
ATEN BOULEVARD AND DOGWOOD ROAD SIGNALIZATION AND INTERSECTION IMPROVEMENTS
IMPROVEMENT PLAN C1
ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016
DRAWING: C1
SHT: 2 OF 8
BY: JH



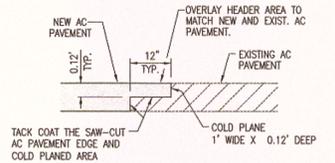
ATEN BOULEVARD PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'



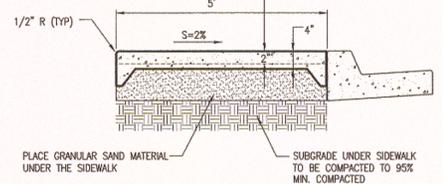
DOGWOOD ROAD PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'



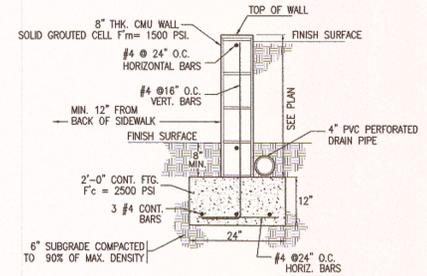
AC PAVEMENT DETAIL
NOT TO SCALE



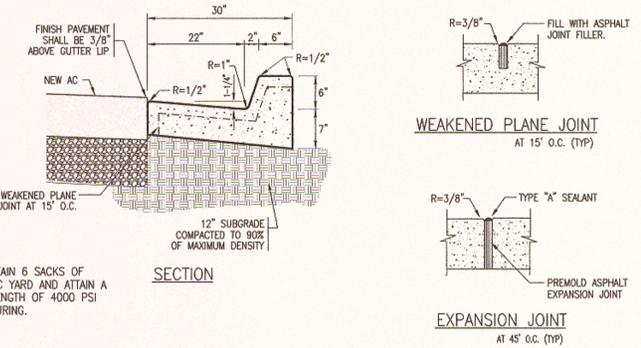
TYPICAL AC PAVEMENT JOINT DETAIL
NOT TO SCALE



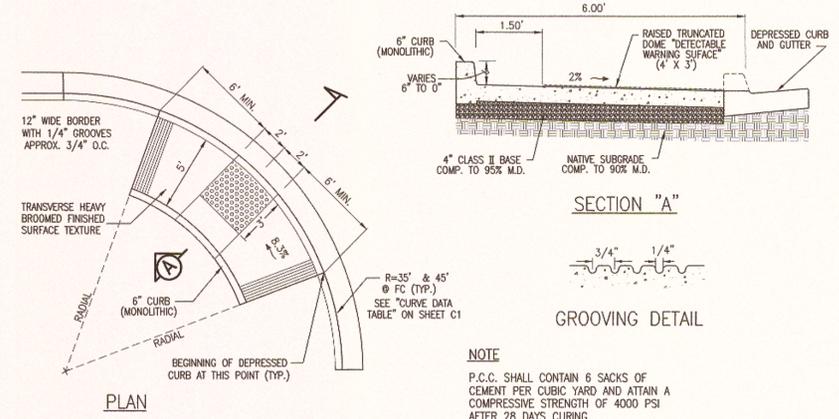
PCC SIDEWALK DETAIL
ICPW STANDARD DETAIL-420 NOT TO SCALE



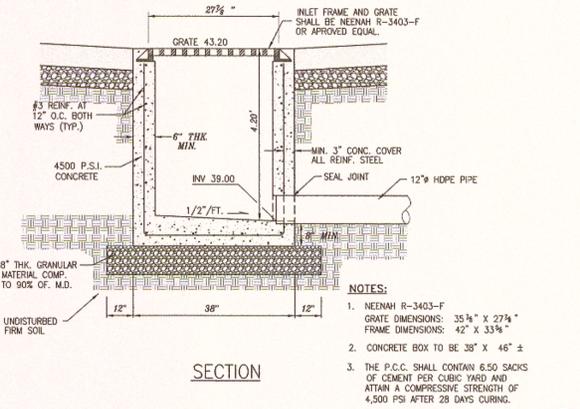
RETAINING WALL DETAIL
NOT TO SCALE



PCC CURB AND GUTTER DETAIL
ICPW STANDARD DETAIL-400° NOT TO SCALE



HANDICAP RAMP DETAIL
NOT TO SCALE



DRAIN BOX DETAIL
NOT TO SCALE

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DIRECTOR OF PUBLIC WORKS
BY: *William S. Brunet* DATE: 11-3-14
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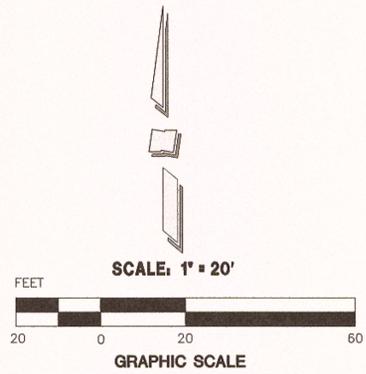
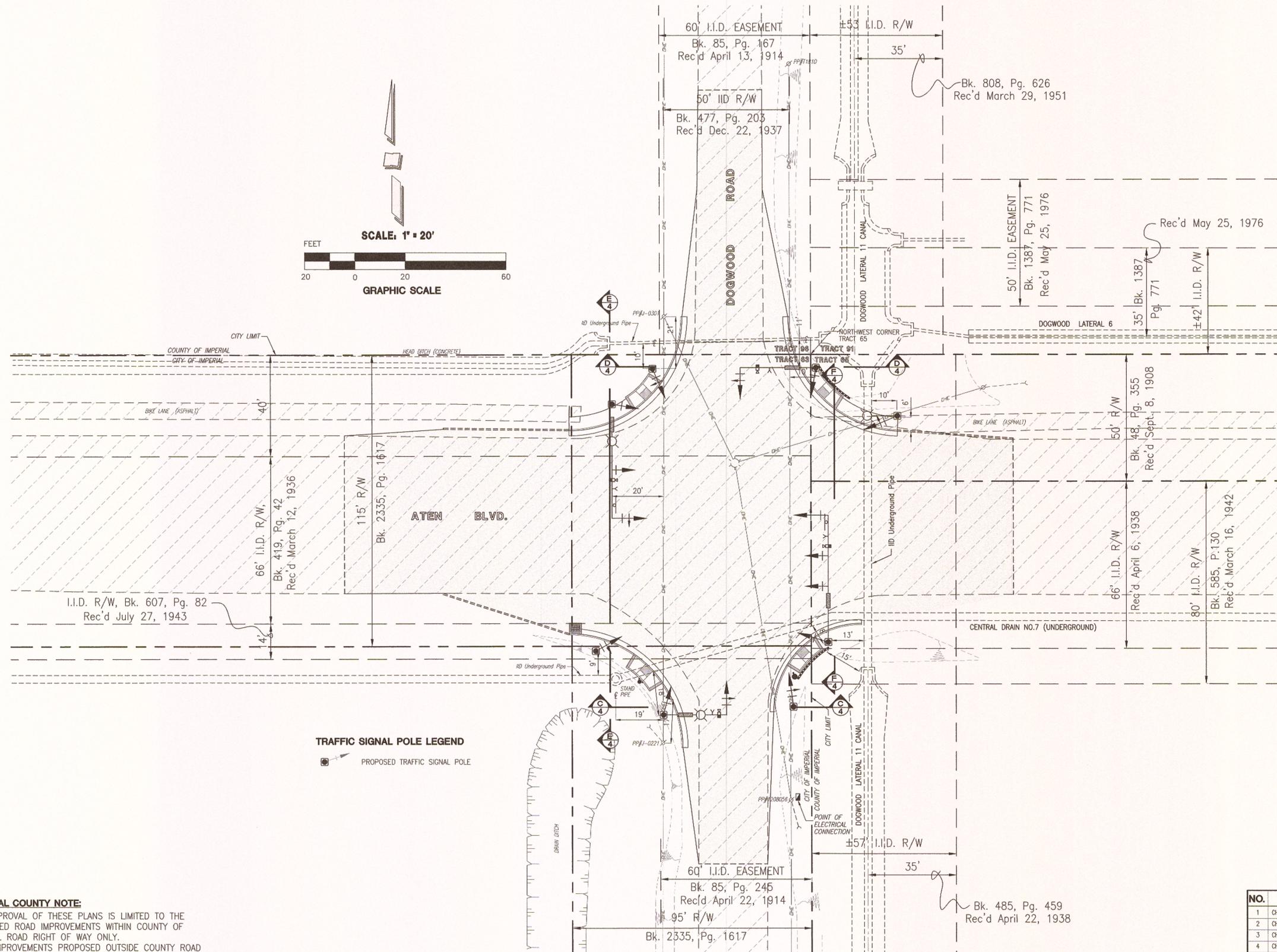


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Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
Fax (760) 353-3751 IMPERIAL, CA 92251

ATEN BOULEVARD AND DOGWOOD ROAD SIGNALIZATION AND INTERSECTION IMPROVEMENTS
PROFILES & DETAILS
ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016
DRAWING **C2**
SHT: 3 OF 8
BY: JH



IMPERIAL COUNTY NOTE:
 THE APPROVAL OF THESE PLANS IS LIMITED TO THE PROPOSED ROAD IMPROVEMENTS WITHIN COUNTY OF IMPERIAL ROAD RIGHT OF WAY ONLY.
 ROAD IMPROVEMENTS PROPOSED OUTSIDE COUNTY ROAD RIGHT OF WAY SHALL BE REVIEW AND APPROVED BY THEIR RESPECTIVE AGENCY.

TRAFFIC SIGNAL POLE LEGEND
 [Symbol] PROPOSED TRAFFIC SIGNAL POLE

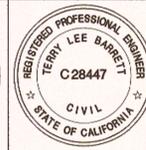
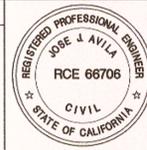
NO.	REVISION	DATE	BY
1	CHANGES PER COUNTY RED LINE DATED 6-23-14	8-21-14	JH
2	CHANGES PER COUNTY RED LINE DATED 9-12-14	9-30-14	JH
3	CHANGES PER COUNTY RED LINE DATED 10-10-14	10-20-14	JH
4	CHANGES PER COUNTY RED LINE DATED 10-27-14	10-30-14	JH

APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
 COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 DIRECTOR OF PUBLIC WORKS
 BY: *William S. Brunet* DATE: 11-3-14
 WILLIAM S. BRUNET, P.E.
 R.C.E. NO.: 61599



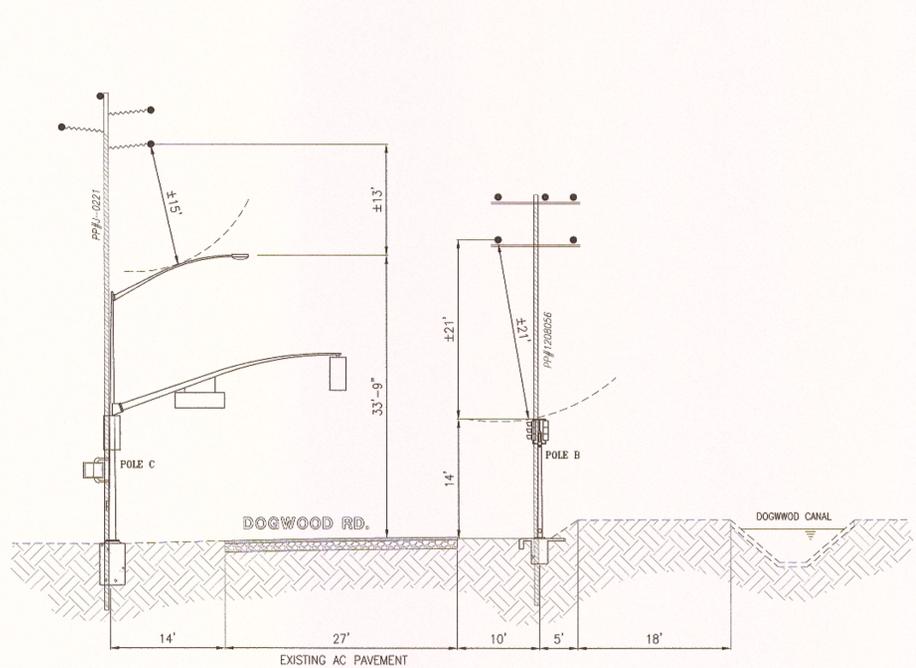
APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
 CITY OF IMPERIAL, CA.
 BY: *Jackie Loper* DATE: 10-30-14
 JACKIE LOPER

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
 BY: *Jose J. Avila* DATE: 10/30/14
 JOSE J. AVILA
 R.C.E. NO.: 66706



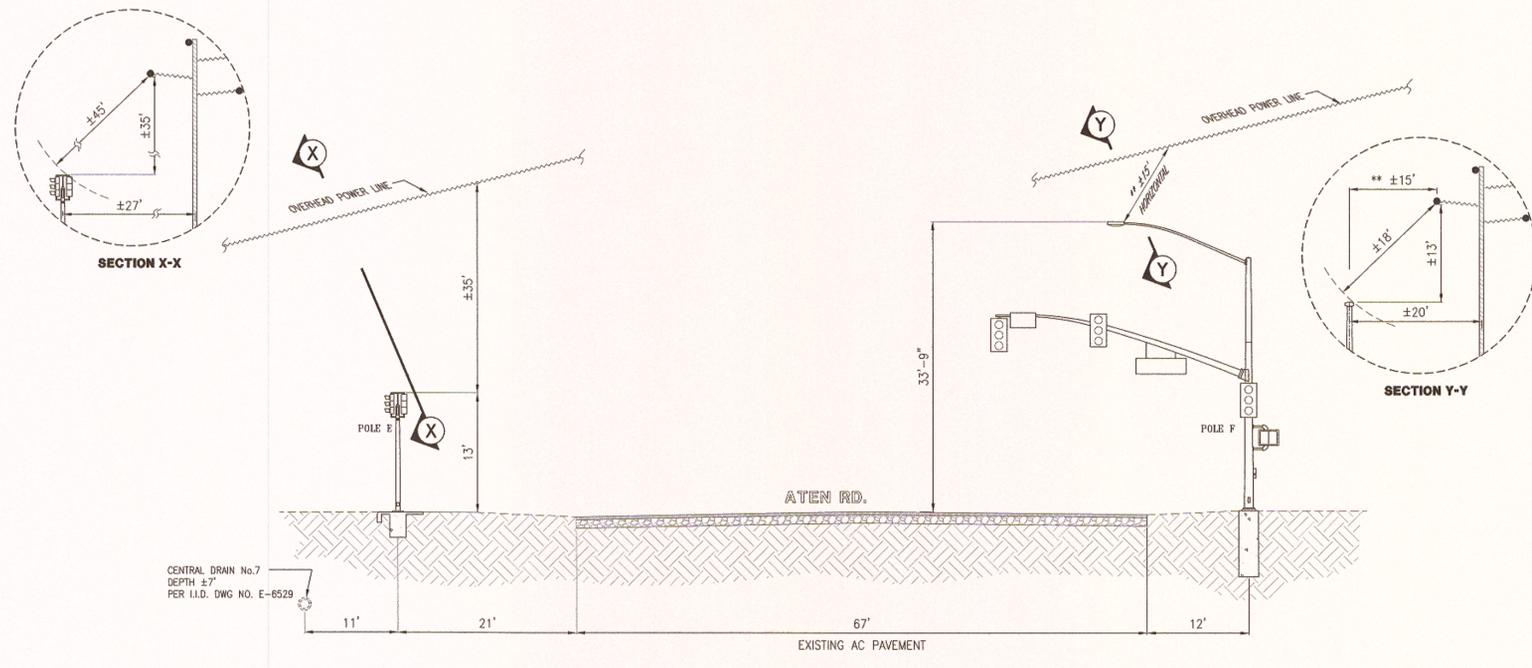
BJ
ENGINEERING & SURVEYING, INC.
 Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
 Fax (760) 353-3751 IMPERIAL, CA 92251

ATEN BOULEVARD AND DOGWOOD ROAD
 SIGNALIZATION AND INTERSECTION IMPROVEMENTS
IMPROVEMENTS WITHIN RIGHT OF WAYS AND EASEMENTS
 ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
 IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
 CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016
 DRAWING **C3**
 SH: 4 OF 8
 BY: JH



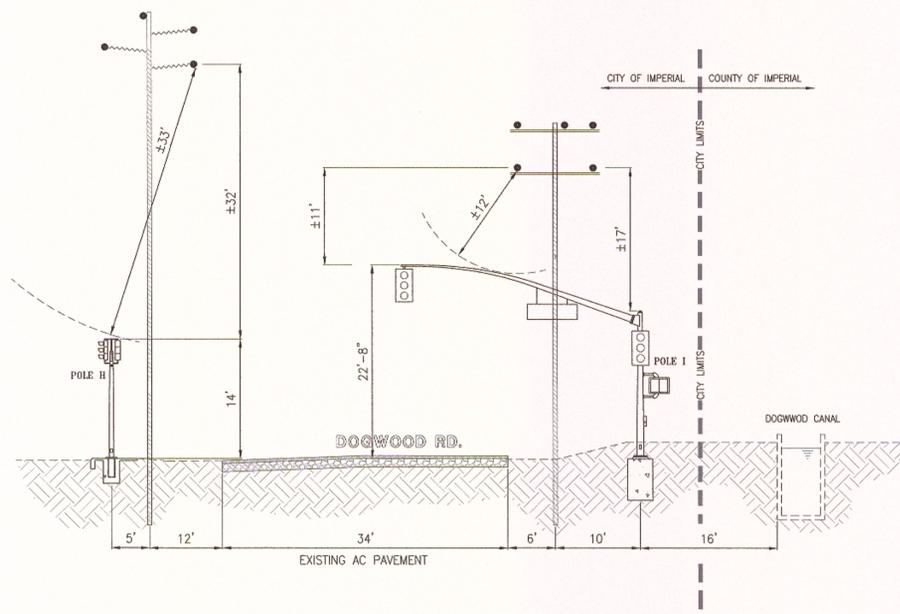
SECTION (WITHIN CITY LIMITS)

SCALE 1"=10'
C
4



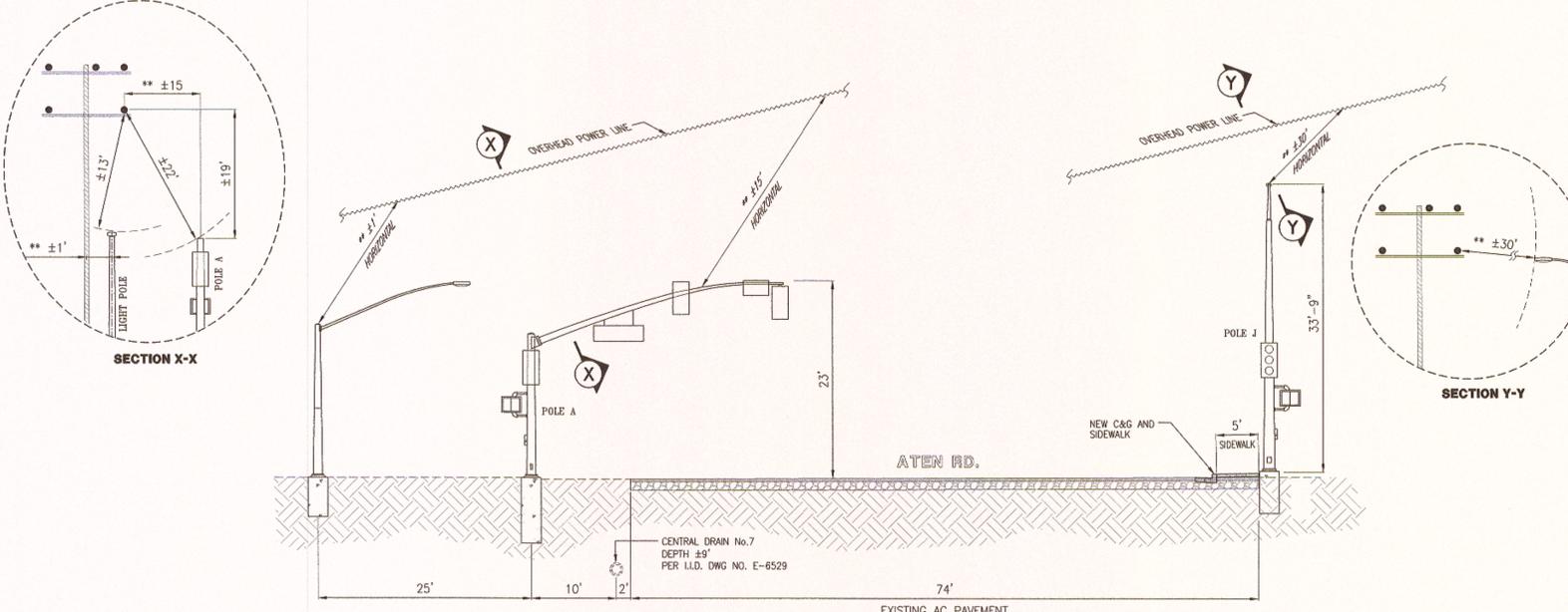
SECTION (WITHIN CITY LIMITS)

SCALE 1"=10'
E
4



SECTION (WITHIN CITY LIMITS / COUNTY OF IMPERIAL LIMITS)

SCALE 1"=10'
D
4



SECTION (WITHIN COUNTY OF IMPERIAL LIMITS)

SCALE 1"=10'
F
4

IMPERIAL COUNTY NOTE:

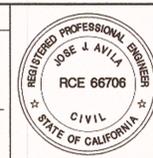
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APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: *William S. Brunet* DATE: 11-3-14
WILLIAM S. BRUNET, P.E.
R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
CITY OF IMPERIAL, CA.
BY: *Jacme Loper* DATE: 10-30-14
JACME LOPER
R.C.E. NO.: 66706

ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
BY: *Jose J. Avila* DATE: 10/30/14
JOSE J. AVILA
R.C.E. NO.: 66706



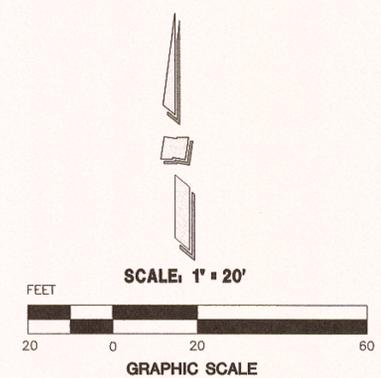
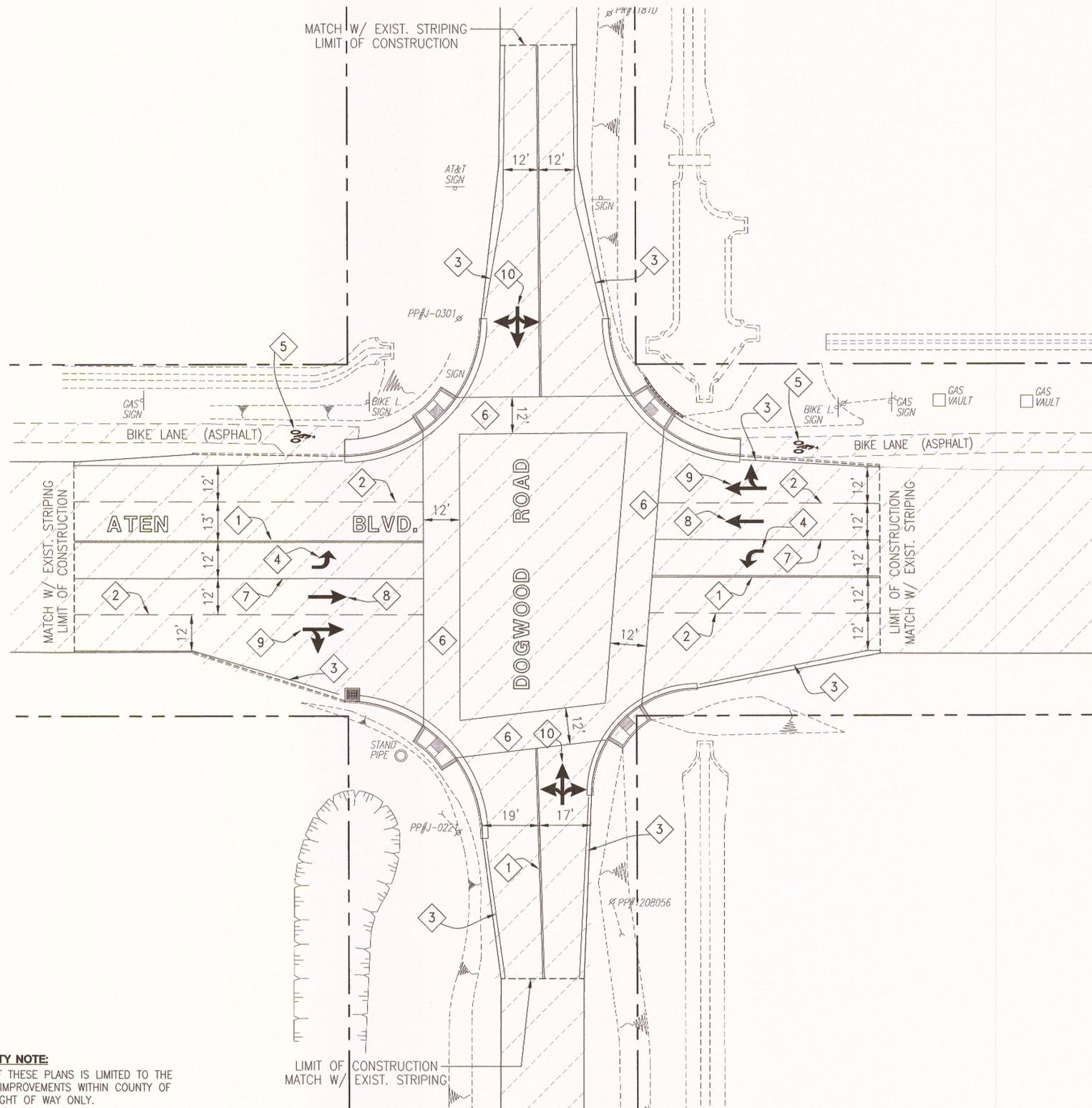
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4	CHANGES PER COUNTY RED LINE DATED 10-27-14	10-30-14	JH

NOTE: THE ENGINEER'S SEAL AFFIXED BESIDE INDICATES THAT THE METHOD OF ANALYSIS PRESENTED IS CONSISTENT WITH ACCEPTED ENGINEERING PRACTICES AND CODE ACCEPTED DESIGN VALUES AND THAT THIS ENGINEER IS ONLY RESPONSIBLE FOR THE DESIGN OF CIVIL ENGINEERING WORK SHOWN ON THIS PLAN.

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ENGINEERING & SURVEYING, INC.
Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
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ATEN BOULE
SIGNALIZATION AND INTERSECTION IMPROVEMENTS
CROSS SECTIONS
ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016

JAD
DRAWING
C4
SHT: 5 OF 8
BY: JH



STRIPING KEYNOTES

- 1 INSTALL DOUBLE YELLOW NO PASSING ZONE PER CALTRANS STANDARD PLAN A20A, DETAIL 23
- 2 INSTALL LANELINE PER CALTRANS STANDARD PLAN A20A, DETAIL 10
- 3 PAINT 4" SOLID WHITE RIGHT EDGELINE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B
- 4 PAINT TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A
- 5 PAINT BIKE LANE SYMBOL PER CALTRANS REVISED STANDARD PLAN A24C
- 6 PAINT 12" SOLID WHITE CROSSWALK LINE PER CALTRANS STANDARD PLAN A24E
- 7 INSTALL CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D, DETAIL 38C
- 8 PAINT TYPE I ARROW PER CALTRANS STANDARD PLAN A24A
- 9 PAINT TYPE VII (R) ARROW PER CALTRANS STANDARD PLAN A24A
- 10 PAINT TYPE VIII ARROW PER CALTRANS STANDARD PLAN A24A
- 11 REMOVE ANY CONFLICTING SIGNS AND LEGENDS

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APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
 COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 DIRECTOR OF PUBLIC WORKS
 BY: *William S. Brunet* DATE: 11-3-14
 WILLIAM S. BRUNET, P.E.
 R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
 CITY OF IMPERIAL, CA.
 BY: *Jackie Loper* DATE: 10-30-14
 JACKIE LOPER

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
 BY: *Jose J. Avila* DATE: 10/30/14
 JOSE J. AVILA
 R.C.E. NO.: 66706



NO.	REVISION	DATE	BY
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BJ
ENGINEERING & SURVEYING, INC.
 Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
 Fax (760) 353-3751 IMPERIAL, CA 92251

ATEN BOULEVARD AND DOGWOOD ROAD SIGNALIZATION AND INTERSECTION IMPROVEMENTS
STRIPING PLAN C5
 ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
 IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14 BY: JH
 CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016

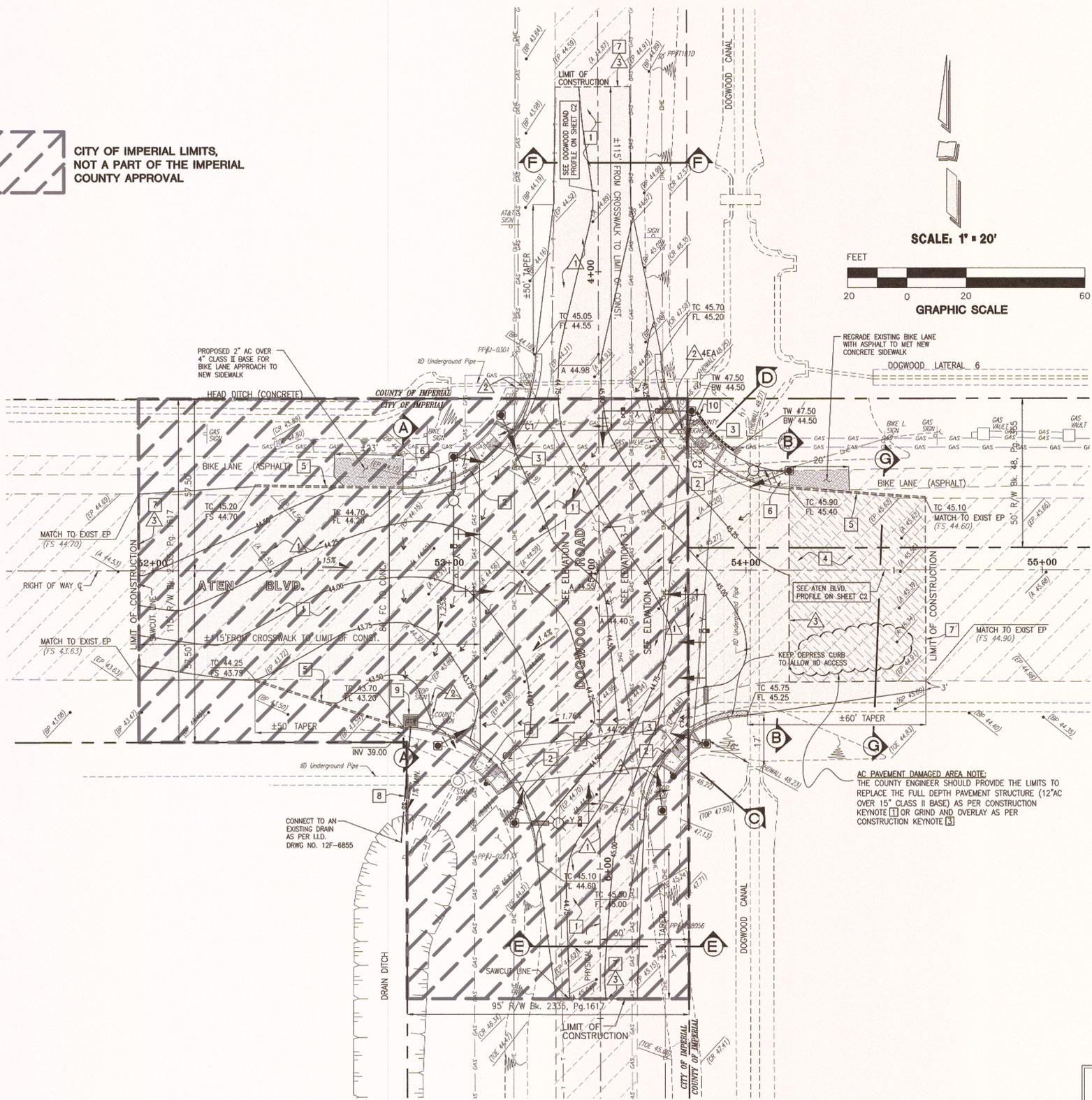
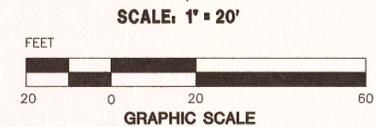
NOTE: THE ENGINEER'S SEAL AFFIXED BESIDE INDICATES THAT THE METHOD OF ANALYSIS PRESENTED IS CONSISTENT WITH ACCEPTED ENGINEERING PRACTICES AND CODE ACCEPTED DESIGN VALUES AND THAT THIS ENGINEER IS ONLY RESPONSIBLE FOR THE DESIGN OF CIVIL ENGINEERING WORK SHOWN ON THIS PLAN.



CITY OF IMPERIAL LIMITS,
NOT A PART OF THE IMPERIAL
COUNTY APPROVAL

NOTE:
THIS PLAN WAS CREATED TO DEPICT THE
IMPERIAL COUNTY APPROVAL AREA;

FOR COMPLETE CONSTRUCTION PLAN
REFER TO DRAWING C2



IMPROVEMENT PLAN

IMPERIAL COUNTY NOTE:

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CALL BEFORE UNDERGROUND SERVICE ALERT CALL: TOLL FREE 811 YOU DIG TWO WORKING DAYS BEFORE YOU DIG

APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: *William S. Brunet* DATE: 11-3-14
WILLIAM S. BRUNET, P.E.
R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
CITY OF IMPERIAL, CA.
BY: *Jackie Loper* DATE: 10-30-14
JACKIE LOPER

ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
BY: *Jose J. Avila* DATE: 10/30/14
JOSE J. AVILA
R.C.E. NO.: 66706



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BJ
ENGINEERING & SURVEYING, INC.
Phone (760) 363-3562 341 WEST CROWN COURT, SUITE 100
Fax (760) 363-3751 IMPERIAL, CA 92251

ATEN BOULEVARD AND DOGWOOD ROAD SIGNALIZATION AND INTERSECTION IMPROVEMENTS
IMPROVEMENT PLAN
COUNTY OF IMPERIAL APPROVAL AREA
ATEN BLVD. & DOGWOOD ROAD INTER. DESIGN
IN THE CITY OF IMPERIAL, CA. DATE: 10/30/14
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016

DRAWING **C6**
SHT: 7 OF 8
BY: JH

WORK TO BE DONE:

THE PROPOSED IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THIS PLAN AND:

1. THE COUNTY OF IMPERIAL SPECIFICATIONS AND STANDARD DRAWINGS.
2. CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION (2010).
3. CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, CURRENT EDITION (2010).
4. THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION (2012).
5. STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) CURRENT EDITION (2012).

CONSTRUCTION NOTES:

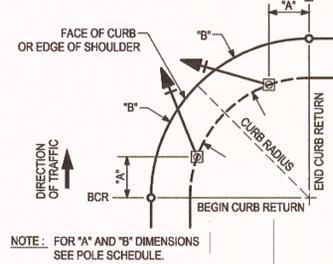
1. INSTALL TYPE 170E CONTROLLER IN A MODEL 332L ALUMINUM CABINET WITH THE NECESSARY ACCESSORIES TO PROVIDE THE PHASING AND OPERATION SHOWN ON THIS PLAN. THE CABINET SHALL INCLUDE A PULL-OUT DOCUMENT TRAY. THE CONTROLLER CABINET SHALL BE EQUIPPED WITH ONE (1) MODEL 412C PROGRAM MODULE, ONE (1) MODEL 400B MODEM, ONE (1) BLANK MODEL 27256 EPROM PROGRAMMING CHIP, TWO (2) MODEL 752 DUAL PRIORITY DISCRIMINATOR CARDS, A TYPE 200SA LOCAL INTERSECTION CONTROL PROGRAM AND EDI 2010ECL CONFLICT MONITOR. AN UNINTERRUPTIBLE POWER SUPPLY (UPS) SHALL BE INSTALLED IN THE CONTROLLER CABINET USING A SWING-AWAY MOUNT. THE UPS (CLARY SP1000 SERIES OR APPROVED OTHER) SHALL PROVIDE A MINIMUM OF 8 HOUR RED FLASH OPERATION USING ALL RED L.E.D. SIGNAL INDICATIONS AND PROVIDE POWER CONDITIONING TO THE CONTROLLER.
2. INSTALL TYPE III-BF SIGNAL AND LIGHTING SERVICE ENCLOSURE PER IMPERIAL IRRIGATION DISTRICT (IID) REQUIREMENTS. PROVIDE 50A-1P, 120V SIGNAL METERED CIRCUIT BREAKER, 15A-1P, 120V I.I.S.N.S. METERED CIRCUIT BREAKER, AND 30A-2P, 240V LIGHTING METERED CIRCUIT BREAKER. THE SERVICE CABINET SHALL BE FABRICATED FROM ANODIZED ALUMINUM SHEET PER CALTRANS SPECIFICATIONS. CALTRANS STD. PLAN ES-2F.
3. INSTALL VIDEO DETECTION SYSTEM (ITERIS VANTAGE EDGE 2, OR APPROVED EQUAL) TO PROVIDE VEHICULAR, MOTOR CYCLE AND BICYCLE DETECTION FOR ALL APPROACHES AS SHOWN ON PLAN. PROVIDE VIDEO DETECTION PROCESSORS AND A VIDEO MONITOR IN THE CONTROLLER CABINET, VIDEO DETECTION CAMERAS MOUNTED ON THE SIGNAL MAST ARMS AND PROVIDE ALL WIRING AND ANCILLARY EQUIPMENT AS NEEDED. VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON THE SIGNAL MAST ARM USING A 72" RISER (PELCO ASTRO BRAC BRACKET), AS SHOWN ON THE PLAN. SEE CALTRANS STD. PLAN ES-7R DETAIL "A" FOR MOUNTING.
4. INSTALL DUAL CHANNEL EMERGENCY VEHICLE PRE-EMPTION (E.V.P.E.) DETECTOR UNITS (3M OPTICOM MODEL 711 OR APPROVED EQUAL). CONTRACTOR SHALL FURNISH AND INSTALL E.V.P.E. EQUIPMENT, MOUNTING HARDWARE, CABLES AND ALL OTHER NECESSARY HARDWARE.
5. FURNISH AND INSTALL TYPE "A" INTERNALLY ILLUMINATED STREET NAME SIGN, DUAL FACE, MAST ARM MOUNTED. SEE POLE AND EQUIPMENT SCHEDULE FOR STREET NAMES. USE UPPER AND LOWER CASE WHITE LETTERS ON A GREEN BACKGROUND, PER CALTRANS STANDARD PLAN ES-7P.
6. INSTALL MAST-ARM MOUNTED SIGN, AS NOTED ON PLAN, PER CALTRANS STANDARD PLAN ES-7N, DETAIL "U".
7. INSTALL NO. 5(T), TRAFFIC SIGNAL PULL BOX, PER CALTRANS STANDARD PLAN ES-8.
8. INSTALL NEW TYPE "E" LOOP DETECTORS, PER CALTRANS STANDARD PLAN ES-5B.
9. INSTALL NO. 6(T), TRAFFIC SIGNAL PULL BOX, PER CALTRANS STANDARD PLAN ES-8.
10. OVERHEAD STREET LIGHT ON SPAN WIRE TO BE REMOVED BY IMPERIAL IRRIGATION DISTRICT. LIGHT, POWER LINE, GUY WIRES AND ONE POWER POLE TO BE REMOVED AND SALVAGED.
11. STOP AND STOP AHEAD SIGNS TO BE REMOVED WHEN TRAFFIC SIGNAL IS ENERGIZED.
12. SIGNAL AHEAD SIGNS TO BE PLACED ON ALL APPROACHES (W3-3).
13. STREET SIGN TO BE RELOCATED.
14. FOUR SECTION TRAFFIC SIGNAL HEAD.

GENERAL NOTES:

1. CITY OF IMPERIAL ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
2. APPROVAL OF THESE TRAFFIC SIGNAL PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT LIMITS.
3. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND AND OVERHEAD FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THERE ARE NO EXISTING FACILITIES OTHER THAN THOSE SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ALL EXISTING FACILITIES SHOWN HEREON AND ALL OTHERS THAT ARE NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
4. UTILITY COORDINATION:
NO LESS THAN THREE (3) WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR SHALL CONTACT THE FOLLOWING AGENCIES TO LOCATE EXISTING UNDERGROUND UTILITIES.
a. IMPERIAL IRRIGATION DISTRICT (POWER) (760) 339-9280
b. IMPERIAL IRRIGATION DISTRICT (WATER) (760) 339-9263
c. PACIFIC BELL (800) 422-4133
d. THE GAS COMPANY (800)227-2600
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW STRIPING AND THE SANDBLASTING OF CONFLICTING STRIPING.
7. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF IMPERIAL, DEPARTMENT OF PUBLIC WORKS, PRIOR TO WORKING IN THE PUBLIC RIGHT OF WAY.
8. UNDERGROUND SERVICE ALERT (USA) MUST BE CONTACTED, AT 811, 48 HOURS PRIOR TO CONSTRUCTION.
9. ALL MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE CITY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.
10. SPECIAL REVISIONS MUST BE APPROVED BY THE CITY ENGINEER AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN WILL BE REQUIRED BY THE COUNTY AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO ACCEPTANCE.
11. TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE CITY OF IMPERIAL INSPECTOR.

CONDUCTOR AND CONDUIT SCHEDULE												
AWG OR CABLE	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9		
# 14	Ø1				3	3	3					
	Ø2							3	3			
	Ø5	3	3	3	3	3	3	3	3	6		
	Ø6									3		
	Ø7									3		
	Ø8									3		
	Ø2P									2	4	
	Ø6P	2	2	2	2	2	2	2	2	2	2	
	Ø7P										2	
	Ø8P										2	
	Ø2PPB										1	2
	Ø6PPB	1	1	1	1	1	1	1	1	1	1	
	Ø7PPB										1	
	Ø8PPB										1	
PPB COMMON	1	1	1	1	1	1	1	1	1	2		
P.E.C.										3		
SPARES	3	3	3	3	3	3	3	3	3	6		
TOTAL # 14	8	16	19	25	27	31	31	17	48			
# 10	I.I.S.N.S.	2	2	2	2	2	2	2	2	4		
	LUMINAIRES	2	2	2	2	2	2	2	2	2		
	SIGNAL COMMON	1	1	1	1	1	1	1	1	2		
	TOTAL # 10	3	5	5	5	5	5	5	3	8		
# 6	SIGNAL SERVICE									2		
	Ø2 DETECTORS					1	1			1		
	Ø6 DETECTORS	1	1	1	1	1	1	1	1	1		
	Ø7 DETECTORS					1	1	1	1	1		
	Ø8 DETECTORS					1	1	1	1	1		
TOTAL DLC	1	1	2	2	3	3	3	4	4			
# 16	Ø1 & Ø6 VIDEO CABLES				1	1	1	1	1	0		
	Ø2 & Ø5 VIDEO CABLES									0		
	Ø7 VIDEO CABLES									0		
	Ø8 VIDEO CABLES	1	1	1	1	1	1	1	1	1		
	TOTAL VIDEO CABLES	1	1	1	1	1	1	1	1	1		
CONDUIT SIZE	2"	3"	3"	4"	4"	4"	3"	2-4"	3"			

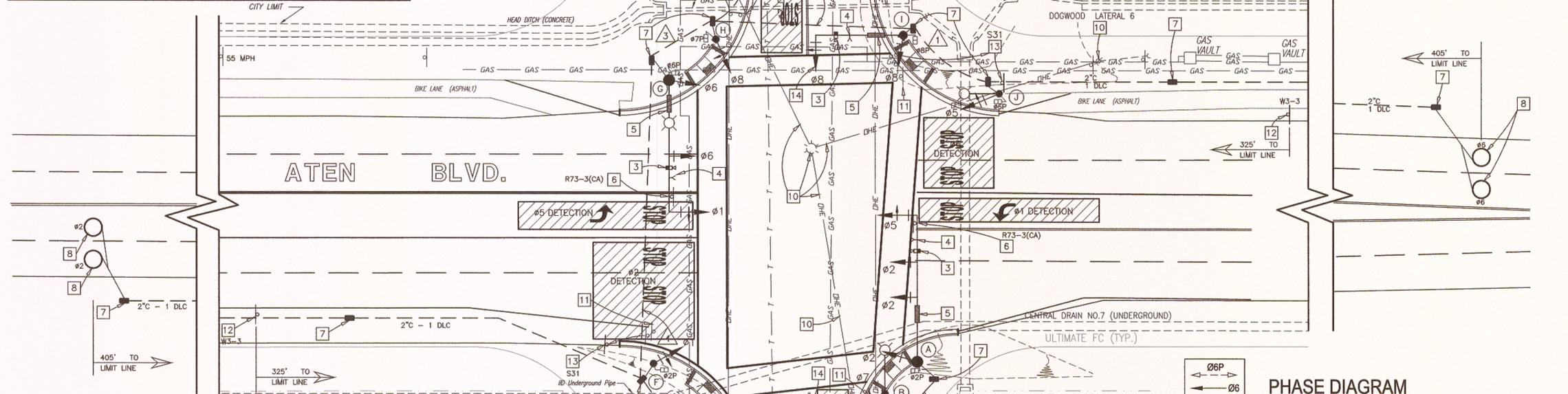
POLE PLACEMENT DIMENSIONS



NOTE: FOR "A" AND "B" DIMENSIONS SEE POLE SCHEDULE.

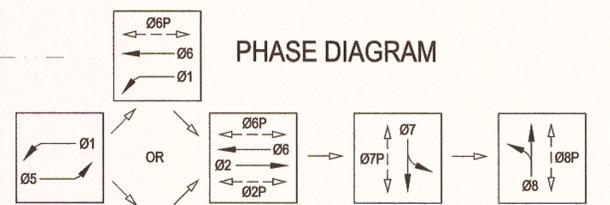
TRAFFIC SIGNAL NOTES:

1. ALL CONDUITS SHALL BE 2" UNLESS OTHERWISE SPECIFIED ON PLAN SHEET.
2. ALL TRAFFIC SIGNAL POLE FOUNDATIONS SHALL HAVE A 3" CONDUIT INSTALLED TO THE ADJACENT NO.5 PULL BOX. PULL BOXES PLACED AT 200 FEET MAXIMUM SPACING.
3. ALL SIGNAL HEADS SHALL BE 12" IN DIAMETER WITH BLACK BACK PLATES. ALL VEHICULAR AND PEDESTRIAN SIGNAL INDICATIONS SHALL BE L.E.D.
4. PEDESTRIAN HEADS AND PEDESTRIAN PUSH BUTTONS SHALL UTILIZE INTERNATIONAL SYMBOL INDICATIONS. PEDESTRIAN HEADS WILL BE ILLUMINATED BY L.E.D. PEDESTRIAN PUSH BUTTONS SHALL BE TYPE B, CALTRANS STANDARD PLANS ES-5C.
5. ALL SIGNAL STANDARDS ANCHORE BOLT NUTS SHALL HAVE COVERS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF LOOP DETECTORS, PAVEMENT MARKING AND PLACEMENT OF TRAFFIC SIGNAGE AS SHOWN ON THIS PLAN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STOP CONTROL SIGNS AND MARKINGS (BY SAND BLASTING) AND APPLICATION OF SIGNAL CONTROL MARKINGS AND SIGNAGE UPON TRAFFIC SIGNAL ENERGIZING.
8. THE CONTRACTOR SHALL NOT ERECT ANY SIGNAL STANDARDS MORE THAN TWO WEEKS PRIOR TO THE SCHEDULED TRAFFIC SIGNAL TURN-ON UNLESS APPROVED BY THE CITY OF IMPERIAL. ALL SIGNAL FACES WILL BE TURNED AWAY FROM TRAFFIC AND COVERED UNTIL ACTIVATION.
9. FLASHING OPERATION SHALL BE RED FOR ALL APPROACHES. PEDESTRIAN INDICATIONS SHALL BE DARK.
10. SIGNAL CONTROL EQUIPMENT SHALL BE BENCH TESTED AT A FACILITY DESIGNATED BY CITY OF IMPERIAL. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRANSPORTING THE EQUIPMENT.
11. THE CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS AND/OR CABLES REQUIRED TO PROVIDE FOR THE INTENDED SIGNAL OPERATION.
12. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL SERVICE CONNECTION WITH THE IMPERIAL IRRIGATION DISTRICT.
13. ALL SALVAGE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF IMPERIAL EXCEPT THE OVERHEAD STREET LIGHT.
14. THE LUMINAIRES AND INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL HAVE ONE TYPE IV PHOTOELECTRIC CONTROL (PEC).



POLE AND EQUIPMENT SCHEDULE

LOC.	STANDARD TYPE	PLACEMENT DIMENSIONS		SIGNAL MOUNTING & PLACEMENT						REMARKS	
		MASTARM SIG.	LUM.	A FT.	B FT.	VEHICLE POLE	PEDESTRIAN	LUMINAIRE	REMARKS		
(A)	28-5-100	50'	-	14'	6'	SV-1-T	MAT Ø5 2-MAS Ø2	SP-1-T	Ø8 W		IISNS - DOGWOOD ROAD F = 16'
(B)	STREET LIGHT	-	12'	14.5'	6'	-	-	-	Ø2 N	250W	PUBLIC WORKS - STANDARD PLANS
(C)	1-A	-	-	3'	6'	TV-1-T	-	SP-1-T	-	-	-
(D)	19-2-100	25'	12'	13'	5.5'	SV-1-T	MAS-ØB Ø7	SP-1-T	-	250W	IISNS - ATEN ROAD
(E)	PED PUSH BUTTON POST	-	-	26"	7"	-	-	-	Ø7 E Ø2 N	-	-
(F)	1-A	-	-	11.5'	4.5'	TV-1-T	-	SP-1-T	-	-	-
(G)	26-4-100	45'	12'	17'	6.5'	SV-1-T	MAT Ø1 MAS Ø6	SP-1-T	Ø6 S Ø7 W	250W	IISNS - DOGWOOD ROAD F = 19'
(H)	1-A	-	-	20.5'	6'	TV-1-T	-	SP-1-T	Ø6 S Ø8 W	-	-
(I)	18-2-100	25'	-	19'	5.5'	TV-1-T	MAS-ØB Ø8	SP-1-T	Ø6 S Ø8 W	250W	IISNS - ATEN ROAD
(J)	15	-	12'	0'	6'	SV-1-T	-	SP-1-T	-	-	-



IMPERIAL COUNTY NOTE:
THE APPROVAL OF THESE PLANS IS LIMITED TO THE PROPOSED ROAD IMPROVEMENTS WITHIN COUNTY OF IMPERIAL ROAD RIGHT OF WAY ONLY. ROAD IMPROVEMENTS PROPOSED OUTSIDE COUNTY ROAD RIGHT OF WAY SHALL BE REVIEW AND APPROVED BY THEIR RESPECTIVE AGENCY.

APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: WILLIAM S. BRUNET, P.E. DATE: 10-30-14
R.C.E. NO.: 61599

CALL BEFORE UNDERGROUND SERVICE ALERT
CALL TOLL FREE 1-800-227-8000
YOU DIG TWO WORKING DAYS BEFORE YOU DIG

APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
CITY OF IMPERIAL, CA.
BY: Jackie Loper DATE: 10-30-14

ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
BY: Martin C. Lauber DATE: 10-30-14
MARTIN C. LAUBER, T.E.
T.E. NO.: TR 1634

NO.	REVISION	DATE	BY

THE PERFECT SOLUTION
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING
1100 ANZA AVENUE, VISTA, CA 92084(760) 908-9233
BY: Martin C. Lauber DATE: 10-30-14
MARTIN C. LAUBER TR 1634

ATEN RD. AT DOGWOOD RD. SIGNALIZATION
TRAFFIC SIGNAL PLAN
SHEET 8 OF 8
IN THE CITY OF IMPERIAL, CA. DATE: 10-30-14 BY: MCL
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 13-003