

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
ACTION AGENDA SUMMARY

DEPT: Public Works *MAJ*

BOARD AGENDA # *C-1

Urgent Routine

AGENDA DATE January 25, 2011

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Adopt the Plans and Specifications for Federal Project No. HSIP-5938(160) Titled "Hatch Road at Crows Landing Road Traffic Signal Upgrade Project" and included in the Highway Safety Improvement Program

STAFF RECOMMENDATIONS:

1. Adopt the Plans and Specifications for Federal Project No. HSIP-5938(160) Titled "Hatch Road at Crows Landing Road Traffic Signal Upgrade Project," included in the Highway Safety Improvement Program, and authorize a bid opening.
2. Direct the Department of Public Works to set the bid opening date and time.
3. Direct the Public Works Department staff to post the notice inviting bids to trade journals as required by law.

FISCAL IMPACT:

The total anticipated cost for this project is \$625,000. The Highway Safety Improvement Program will contribute \$419,633 to this project. The remaining project costs of \$205,367 will be covered by Stanislaus County Public Works Road Fund. There are funds available in the Fiscal Year 2010-2011 budget for this purpose.

BOARD ACTION AS FOLLOWS:

No. 2011-070

On motion of Supervisor O'Brien, Seconded by Supervisor DeMartini
and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, Withrow, DeMartini, and Chairman Monteith

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) X Approved as recommended

2) _____ Denied

3) _____ Approved as amended

4) _____ Other:

MOTION:

Christine Ferraro

ATTEST: CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval to Adopt the Plans and Specifications for Federal Project No. HSIP-5938(160) Titled "Hatch Road at Crows Landing Road Traffic Signal Upgrade Project" and included in the Highway Safety Improvement Program

DISCUSSION:

The proposed improvements to the Hatch Road at Crows Landing at this intersection will consist of replacing outdated traffic signals that are approximately 42 years old with new relocated traffic signals. The project will remove left turn signal poles located in medians and replace approximately 300 lineal feet of raised concrete medians on Crows Landing Road.

Intersection improvements in this project include but are not limited to:

- Installation of replacement signal poles.
- Installation of concrete foundations for replacement signal poles.
- Re-stripping of traffic lanes on northbound and southbound Crows Landing Road to create right turn lanes within the existing pavement.
- Replacement of raised concrete medians on Crows Landing Road.
- Installation of ADA compliant ramps.
- Installation of new curb and gutter with increased radius returns.
- Upgrading of traffic signs to meet current design standards.
- Installation of traffic signal detector loops.

The following tentative project schedule is provided:

Adopt Plans & Specifications:	Tuesday, January 25, 2011
Advertise:	Monday, January 31, 2011 Monday, February 07, 2011 Monday, February 14, 2011
Bid Opening:	Wednesday, March 02, 2011
Estimated Contract Award:	Tuesday, March 22, 2011
Estimated Notice to Proceed:	Tuesday, April 12, 2011
Estimated End Construction:	Thursday, June 02, 2011

On April 22, 2010, Caltrans issued a National Environmental Policy Act (NEPA) Categorical Exemption/Exclusion determination for this project.

On June 2, 2009, the Board of Supervisors awarded the preliminary engineering and design contract to Delamare – Fultz Engineering and Surveying of Modesto, California.

This project is exempt from the California Environmental Quality Act, Class 1, California Code of Regulations, Title 14, #15301 (Existing Facilities). Stanislaus County Public Works Department filed a CEQA Categorical Exemption notice on December 15, 2010, with the Stanislaus County Clerk Recorder.

Department staff will brief the South Modesto Municipal Advisory Council (MAC) on this project during their February 2011 regular meeting. Historically, traffic safety along

Approval to Adopt the Plans and Specifications for Federal Project No. HSIP-5938(160) Titled "Hatch Road at Crows Landing Road Traffic Signal Upgrade Project" and included in the Highway Safety Improvement Program

Crows Landing Road has been a primary concern of the South Modesto MAC and local area residents.

POLICY ISSUES:

The recommended actions are consistent with the Board's priorities of providing a Safe community, a Healthy Community and a Well Planned Infrastructure System by improving intersection safety in this area of Stanislaus County.

STAFFING IMPACT:

There is no staffing impact associated with this item.

CONTACT PERSON:

Matt Machado, Public Works Director. Telephone: (209) 525-4130.

ATTACHMENTS AVAILABLE
FROM YOUR CLERK

DB:jg
L:\ROADS\9287__Crows Landing Rd at Hatch Rd traffic Signal upgrade\Design\Board Items\02_Adopt Plans and Specs

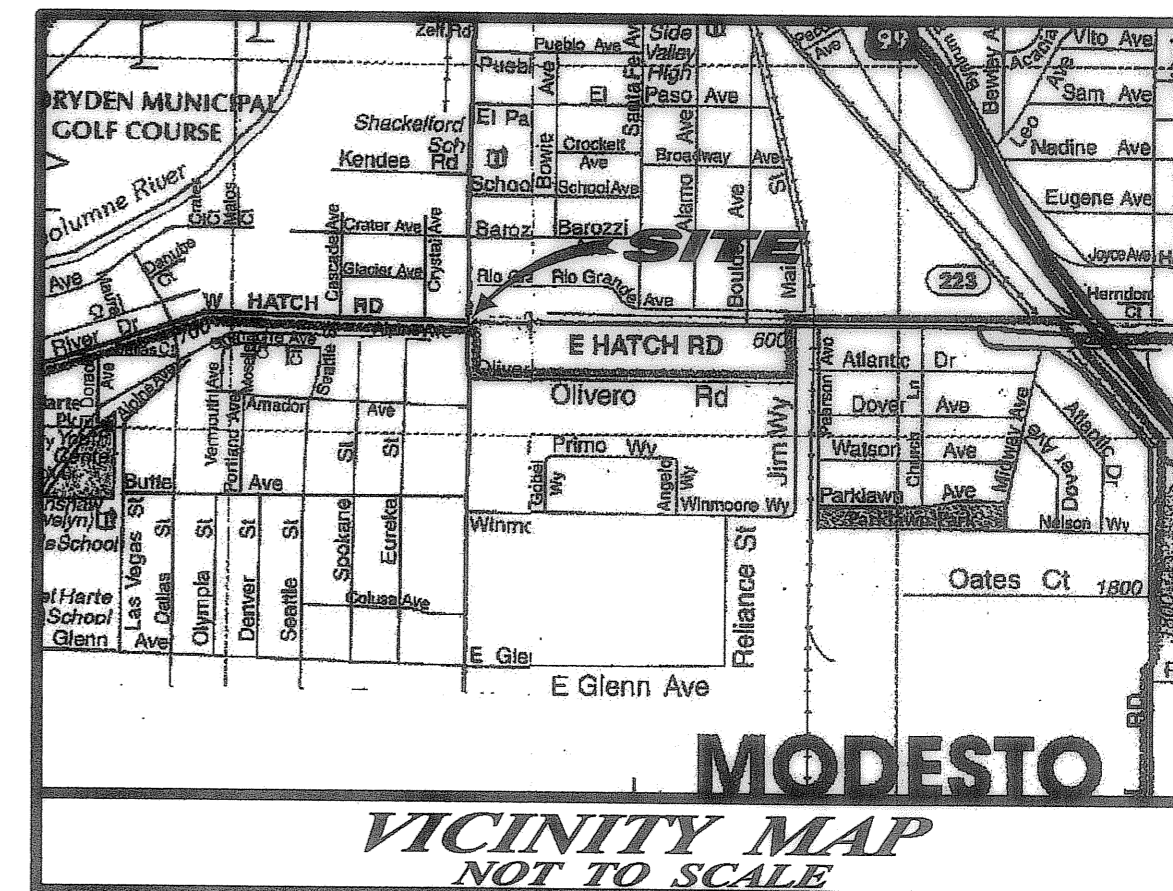
COUNTY OF STANISLAUS GENERAL NOTES:

- ALL ELEVATIONS ARE BASED ON NAVD83 DATUM, CITY OF MODESTO BENCHMARK D14-647, BRASS DISC IN SIGNAL LIGHT BASE AT NORTHWEST CORNER OF HATCH ROAD AND CROWS LANDING ROAD. NAVD83 ELEVATION= 87.64
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 6, SECTIONS 6705, 6706, AND 6707 OF THE STATE LABOR CODE.
- THE CONTRACTOR SHALL SUBMIT TO THE COUNTY FOR APPROVAL A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLAN SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
- NO WORK CAN BEGIN WITHOUT AN APPROVED AND SIGNED SET OF IMPROVEMENT PLANS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING PREVIOUSLY INSTALLED UNDERGROUND FACILITIES, INCLUDING GAS, ELECTRICAL POWER, TELEPHONE, TV CABLE, IRRIGATION PIPELINES, SANITARY SEWER LINES, STORM DRAIN LINES, WATER AND OTHERS WHICH MAY BE IN THE AREA OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF THE VARIOUS UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. PRIOR TO EXCAVATING NEAR ANY UNDERGROUND UTILITIES, CALL U.S.A. AT LEAST FORTY- EIGHT(48) HOURS IN ADVANCE AT PHONE (800) 227-2600.
- ALL UTILITY INFORMATION SHOWN ON THESE PLANS IS BASED UPON SURFACE EVIDENCE LOCATED IN THE FIELD AND THE RECORDS OF THE VARIOUS UTILITY COMPANIES:
- THE PROPERTY IS SERVED BY THE FOLLOWING UTILITY COMPANIES:
ELECTRICAL POWER.....TURLOCK IRRIGATION DISTRICT
IRRIGATION.....TURLOCK IRRIGATION DISTRICT
TELEPHONE.....AT&T
GAS.....PACIFIC GAS & ELECTRIC
SANITARY SEWER.....CITY OF MODESTO
WATER.....CITY OF MODESTO
STORM DRAIN.....STANISLAUS COUNTY
CABLE TELEVISION.....COMCAST CABLE
- WHERE THE PLANS AND SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION STAKING.
- THESE PLANS HAVE BEEN CHECKED BY THE COUNTY OF STANISLAUS AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.
- RELOCATION OF DESIGNED UTILITY SYSTEMS MORE THAN 25' MUST BE REVIEWED BY THE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY COUNTY STAFF PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
- HOUSE SERVICES, FIRE HYDRANT LATERALS, GAS AND TELEPHONE LINES, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO CURB, GUTTER, AND SIDEWALK CONSTRUCTION AND STREET PAVING.
- ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
- ALL EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY COMPANIES HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
- FOR ALL PROJECTS, REGARDLESS OF SIZE, THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) TO ELIMINATE OR MINIMIZE STORM WATER POLLUTION DISCHARGE CAUSED BY CONSTRUCTION.
- MATERIAL TESTING:
A) ALL INDEPENDENT MATERIAL TESTING AND INSPECTION CALLED FOR BY THE COUNTY ENGINEER SHALL BE FURNISHED AND PAID FOR BY COUNTY.
B) CONTRACTOR SHALL FURNISH MATERIAL CERTIFICATIONS OF PRE-MANUFACTURED MATERIAL WHEN CALLED FOR BY COUNTY ENGINEER.
- STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING OR MARKERS, CROSSWALKS AND ALL OTHER MARKINGS IF REQUIRED BY THE COUNTY ENGINEER AND SHOWN ON THESE PLANS. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
- ALL TRENCHES SHALL BE BACK FILLED IN ACCORDANCE WITH COUNTY STANDARDS.
- WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE CUT TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATORY TRENCH, OR POT-HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL.
- CONTRACTOR SHALL MAKE ARRANGEMENTS WITH ADJACENT PROPERTY OWNERS AS NECESSARY IF STAGING AREA IS DESIRED. CONTRACTOR SHALL PROVIDE COPY OF ENCROACHMENT AGREEMENT WITH SAID PROPERTY OWNERS TO COUNTY PRIOR TO MOBILIZATION.



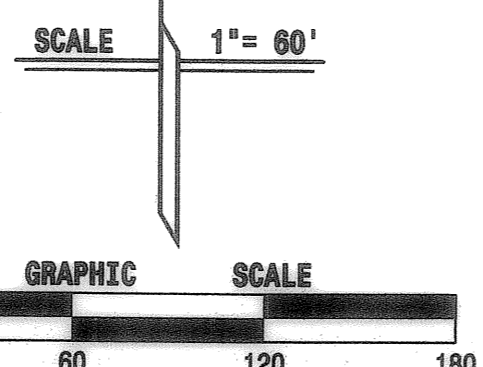
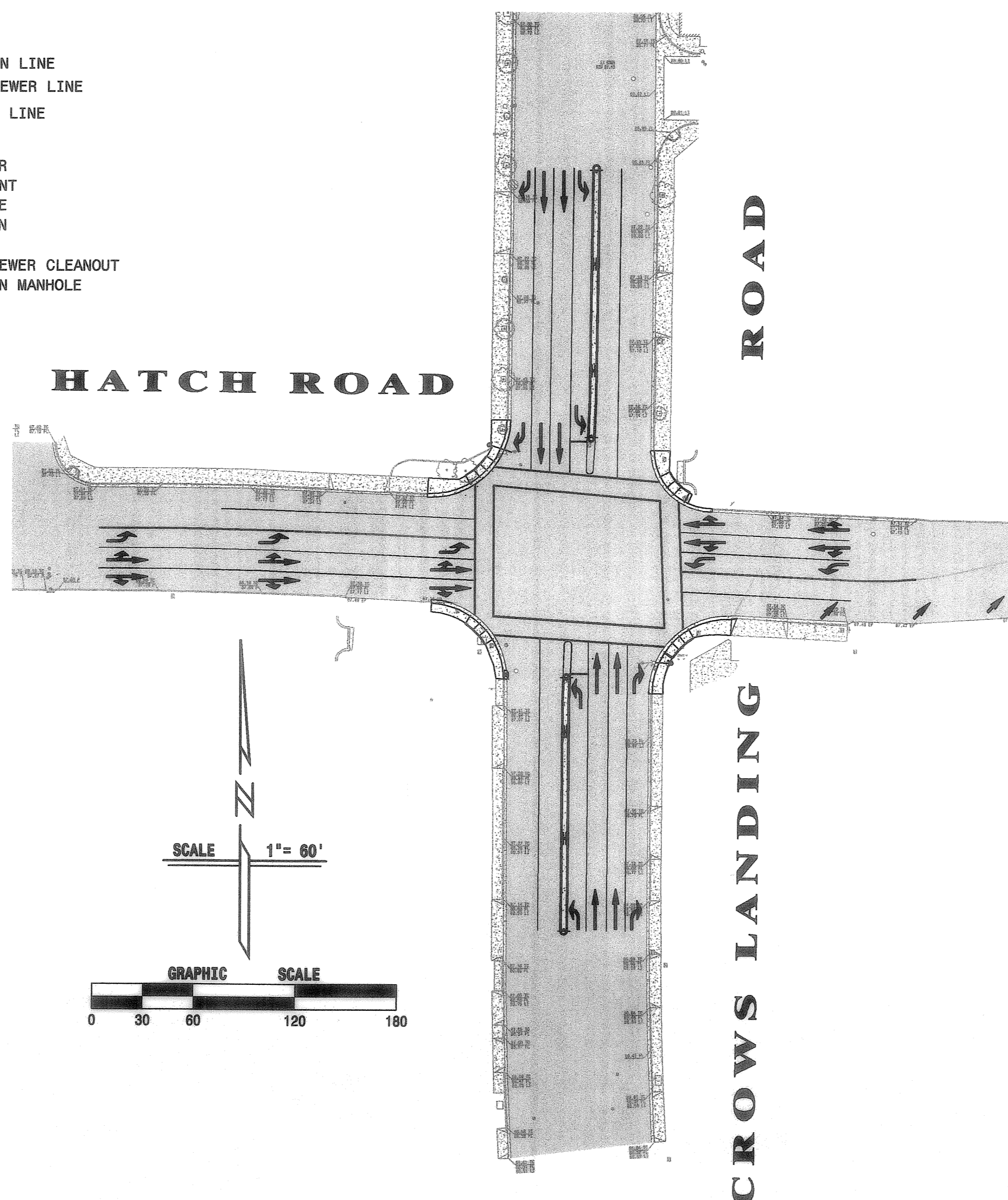
CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (800) 227-2600, PRIOR TO ANY EXCAVATION FOR VERIFICATION OF UNDERGROUND UTILITY LOCATIONS.

IMPROVEMENT PLANS FOR HATCH ROAD AT CROWS LANDING ROAD TRAFFIC SIGNAL UPGRADE PROJECT FOR STANISLAUS COUNTY LYING IN SECTIONS 4,5,8,& 9 T.4S., R.9E., M.D.B.&M., STANISLAUS COUNTY, CALIFORNIA



LEGEND:

- PROPOSED**
- CONCRETE
 - ASPHALT PAVEMENT
 - CURB AND GUTTER
 - GAS LINE
 - WATER LINE
 - STORM DRAIN LINE
 - SANITARY SEWER LINE
 - IRRIGATION LINE
 - ELECTROLIER
 - FIRE HYDRANT
 - WATER VALVE
 - CATCH BASIN
 - SANITARY SEWER CLEANOUT
 - STORM DRAIN MANHOLE



SITE PLAN
SCALE: 1"=60'

CITY OF MODESTO- PERMIT CONSTRUCTION NOTES (PER CHAPTER 2 OF THE CITY OF MODESTO STANDARDS):

- ALL MATERIAL AND WORK SHALL CONFORM TO CITY OF MODESTO SPECIFICATIONS AND PLANS. THE IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING & TRANSPORTATION DEPARTMENT. CONTACT THE CONSTRUCTION ADMINISTRATION OFFICE AT 577-5452 TWO WORKING DAYS (48 HOURS) PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
- THE CONTRACTOR OR DEVELOPER SHALL OBTAIN AN ENCROACHMENT PERMIT PRIOR TO THE START OF ANY WORK. NO WORK CAN BEGIN WITHOUT AN APPROVED AND SIGNED SET OF IMPROVEMENT PLANS.
- PRIOR TO EXCAVATING NEAR ANY UNDERGROUND UTILITIES, CALL U.S.A. AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE AT PHONE (800) 842-2444 OR (800) 227-2600.
- THESE PLANS HAVE BEEN CHECKED BY THE CITY OF MODESTO AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE DEVELOPER AND CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL CONTROL DUST AT ALL TIMES DURING CONSTRUCTION AS REQUIRED BY THE CITY OF MODESTO AND THE REGIONAL AIR QUALITY CONTROL BOARD.
- RELOCATION OF DESIGNED UTILITY SYSTEMS MORE THAN 25' MUST BE REVIEWED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SHALL BE APPROVED BY CITY STAFF AND THE DESIGN ENGINEER PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
- ALL CONSTRUCTION STAKING FOR CURB, GUTTER, AND SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANTS, AND ELECTROLIERS, ETC. SHALL BE DONE UNDER THE DIRECTION OF A REGISTERED CIVIL ENGINEER OR AN INDIVIDUAL LICENSED TO PERFORM LAND SURVEYING UNDER THE CALIFORNIA BUSINESS & PROFESSIONS CODE.
- ALL EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY COMPANIES AND THE CITY OF MODESTO HAVE BEEN NOTIFIED & GIVEN OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
- HOUSE SERVICES, FIRE HYDRANT LATERALS, GAS AND TELEPHONE LINES, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO CURB, GUTTER, AND SIDEWALK CONSTRUCTION AND STREET PAVING.
- ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
- FOR ALL PROJECTS, REGARDLESS OF SIZE, THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) TO ELIMINATE OR MINIMIZE POLLUTION DISCHARGE CAUSED BY CONSTRUCTION (SEE SECTION 16).
- MATERIAL TESTING
A) ALL INDEPENDENT MATERIAL TESTING AND INSPECTION CALLED FOR BY THE CITY ENGINEER SHALL BE FURNISHED AND PAID FOR BY THE DEVELOPER OR CONTRACTOR.
B) SUB-GRADE TESTING FOR R-VALUES IS REQUIRED PRIOR TO THE INSTALLATION OF BASE ROCK.
C) CONTRACTOR SHALL FURNISH MATERIAL CERTIFICATIONS OF PRE-MANUFACTURED MATERIAL WHEN CALLED FOR BY THE CITY ENGINEER.
- STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING OR MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE CITY ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
- ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH CITY STANDARDS.
- WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE CUT TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATORY TRENCH, OR POT-HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL.
- EXISTING CURB AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED PER CITY STANDARD DETAILS EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
- ASBESTOS CEMENT PIPE (ACP) OR FITTINGS SHALL NOT BE USED WITHIN THE CITY OF MODESTO.
- PRIOR TO TRENCHING FOR ANY SEWER, WATER, OR STORM DRAIN PIPE, THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE SIZE AND LOCATION OF THE EXISTING PIPE AT THE POINT OF CONNECTION. ANY DEVIATION FROM THE PLANS SHALL BE RESOLVED BY THE DESIGN ENGINEER PRIOR TO TRENCHING.
- MANHOLES, VALVES, CLEAN OUTS, ETC. SHALL BE BROUGHT TO FINISH GRADE BY THE UNDERGROUND CONTRACTOR AFTER THE FINAL PAVING COURSE IS PLACED.
- FOR PIPES GREATER THAN 30" ON SEWER AND 36" ON STORM DRAIN, 60" INSIDE DIAMETER, MANHOLES SHALL BE USED.
- STREET CLOSURE OR LANE CLOSURE WILL REQUIRE A TRAFFIC CONTROL PLAN AND THE DESIGNATION OF A QUALIFIED INDIVIDUAL FOR ITS IMPLEMENTATION AND SAFE MAINTENANCE.

SHEET INDEX

CIVIL PLANS:	
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SHEET C-2	NOTES, SPECIFICATIONS, AND DETAILS
SHEET C-3	TOPOGRAPHY SURVEY
SHEET C-4	DEMOLITION PLAN
SHEET C-5	UTILITY PLAN
SHEET C-6	STREET GEOMETRY/LAYOUT PLAN
SHEET C-7	STREET ASPHALT OVERLAY PLAN
SHEET C-8	SIGNAGE AND STRIPING PLAN
SHEET C-9	EROSION CONTROL PLAN
SIGNAL PLANS:	
SHEET TS-1	SIGNAL PLAN
SHEET TS-2	SIGNAL SALVAGE PLAN

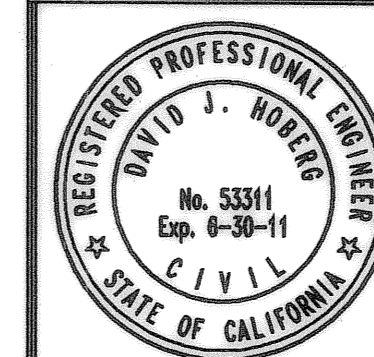
NOTE TO CONTRACTOR:
THE CITY OF MODESTO PERMIT CONSTRUCTION NOTES SHOWN ON THIS SHEET ARE FROM THE CITY OF MODESTO STANDARD SPECIFICATIONS AND ARE APPLICABLE TO WATER SYSTEM WORK ONLY. ALL OTHER WORK SHOWN ON THESE PLANS ARE COVERED BY COUNTY OF STANISLAUS STANDARDS.

APPROVED BY STANISLAUS COUNTY PUBLIC WORKS DEPARTMENT:

THESE PLANS HAVE BEEN CHECKED BY THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS AND/OR AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS, OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.

BY: DATE: 12/3/10
MATTHEW MACHADO, PE
DIRECTOR OF PUBLIC WORKS
R.C.E. 58093

BY: DATE: 12/3/10
DAVID LEAMON, PE
PUBLIC WORKS DESIGN MANAGER
R.C.E. 60434



DELAMARE-FULTZ
ENGINEERING AND SURVEYING
3421 TULLY ROAD SUITE J MODESTO, CA. 95350
TELEPHONE (209) 529-7450

RCE No. 53311 (EXP. 06-30-11) David J. Hoberg Nov. 19, 2010 DATE

NO.	REVISIONS	DATE	APPROVED

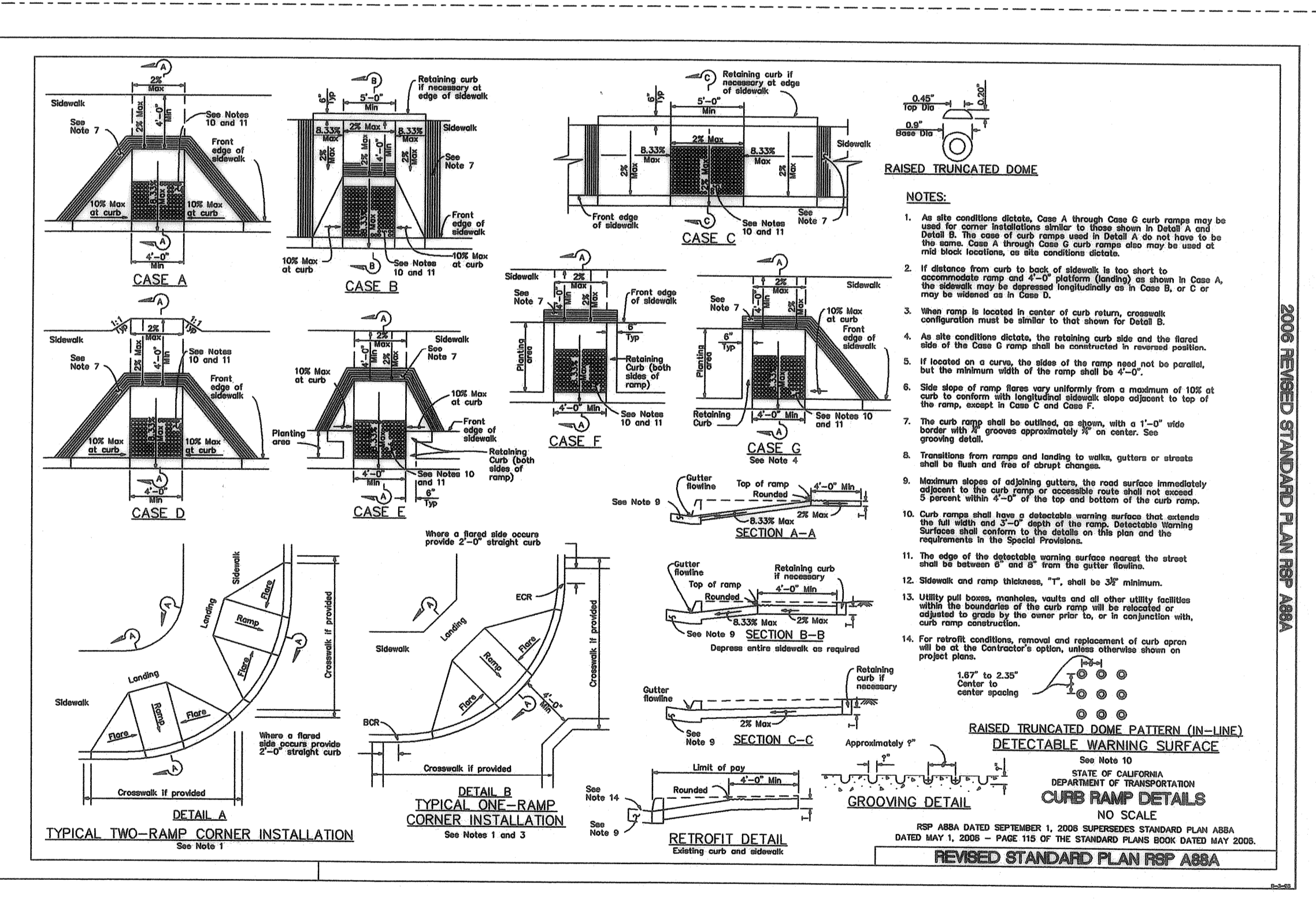
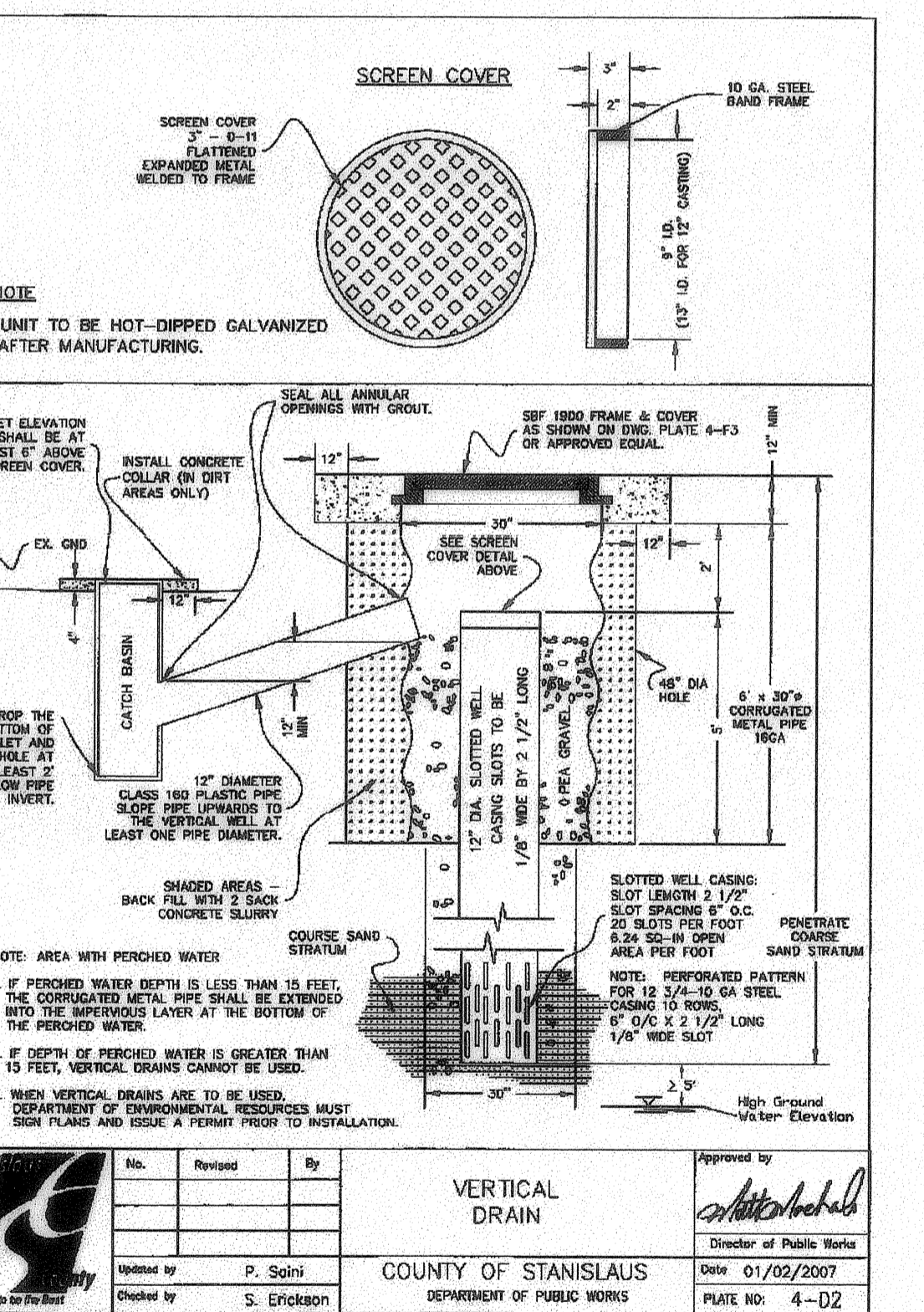
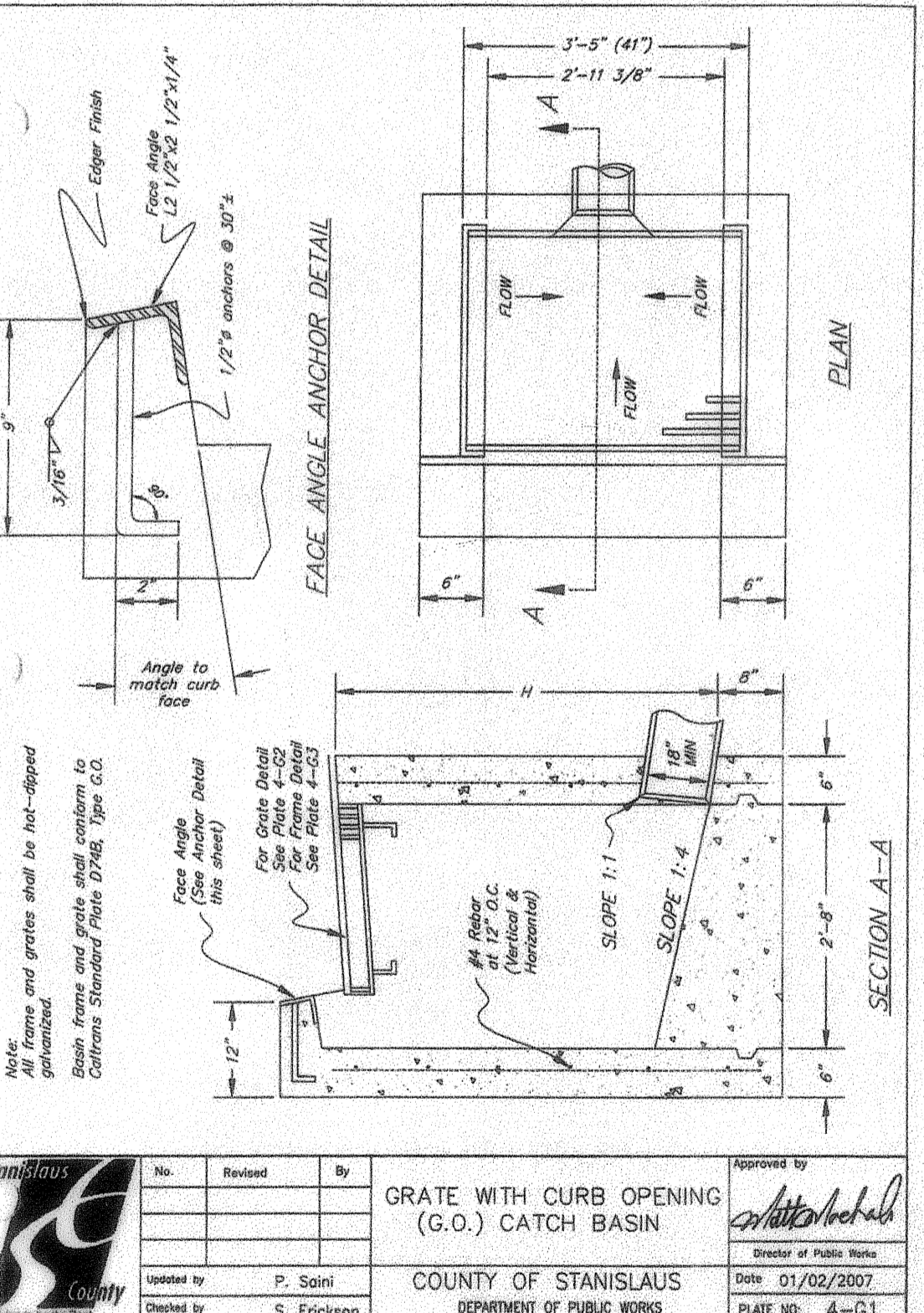
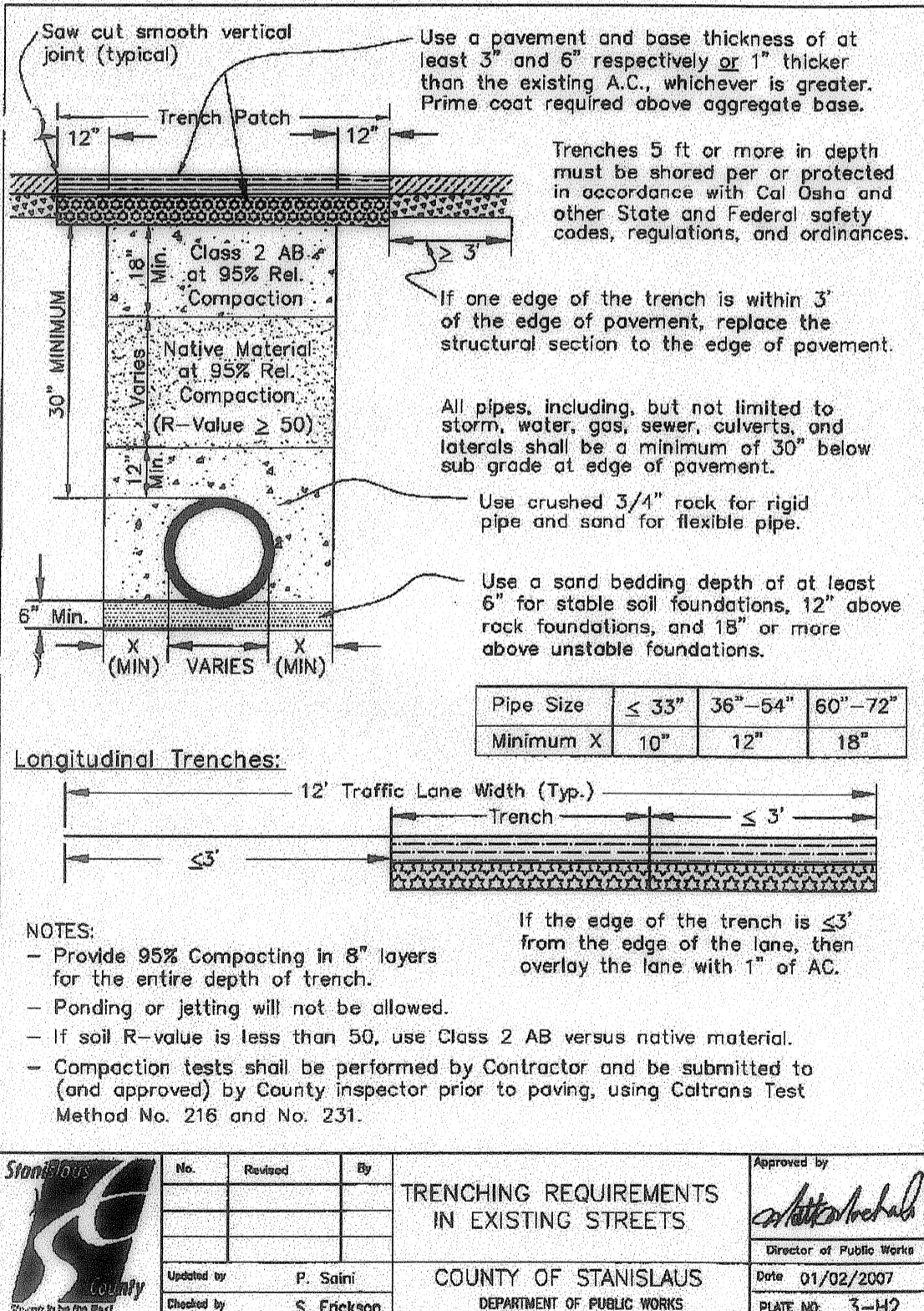
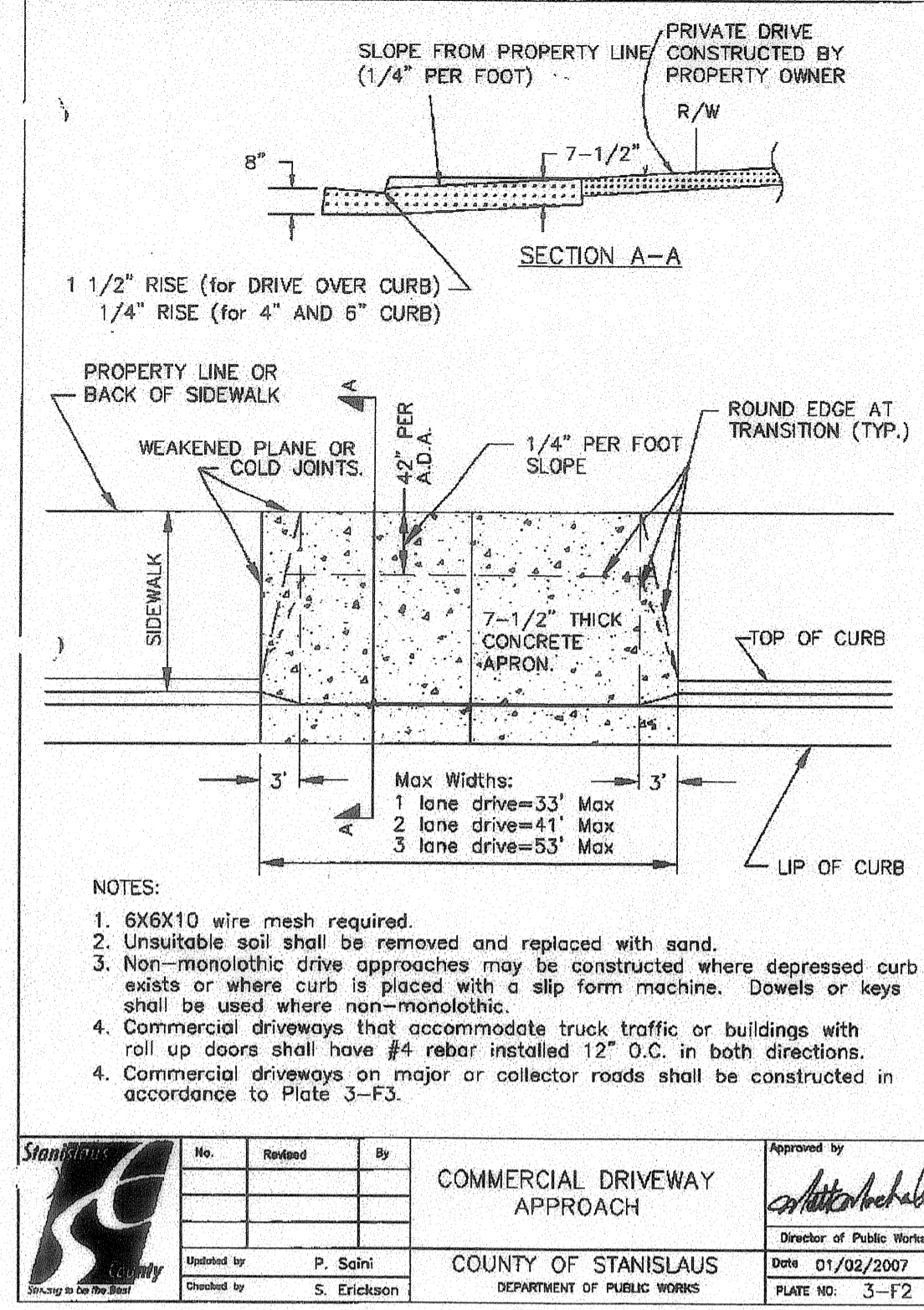
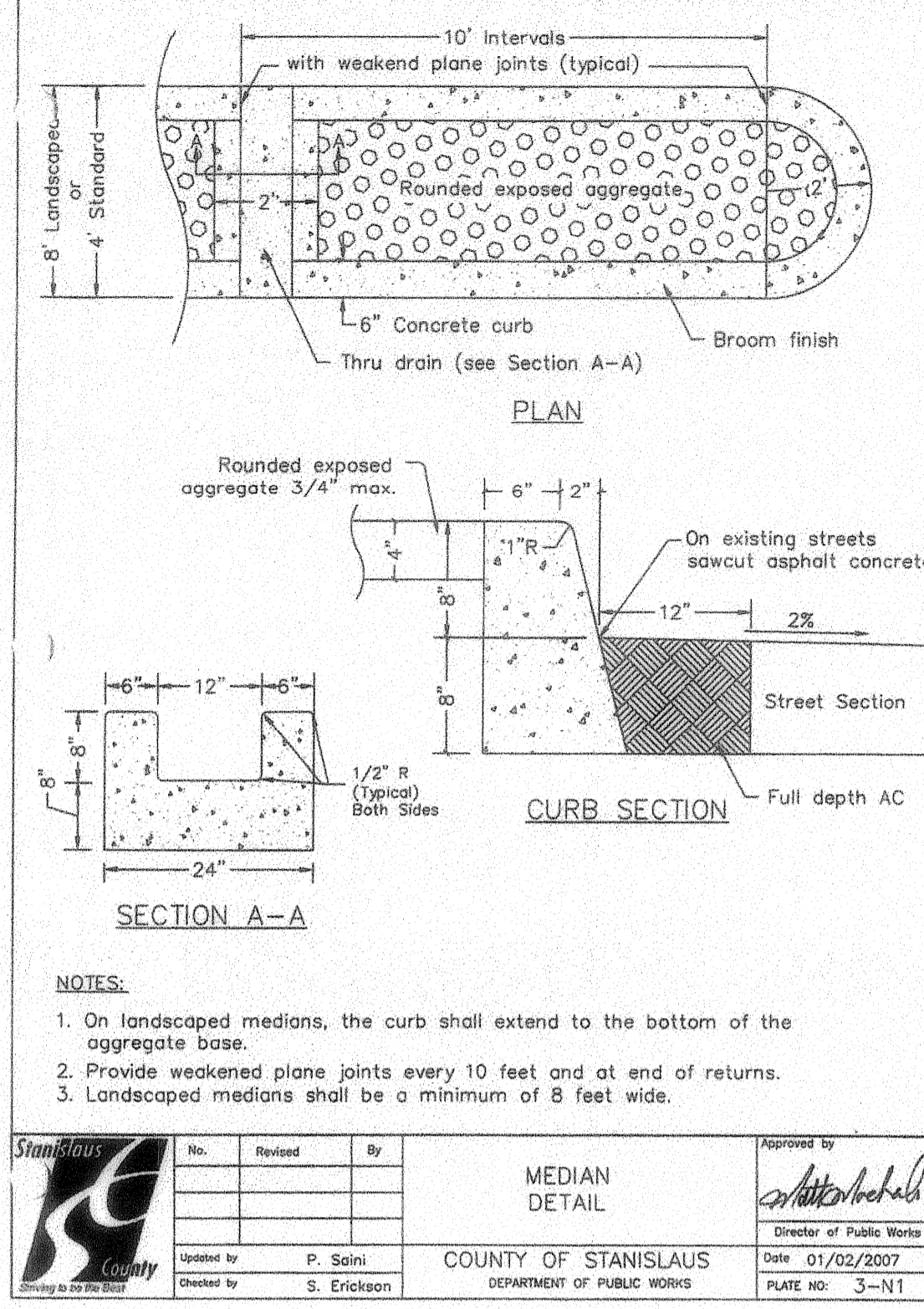
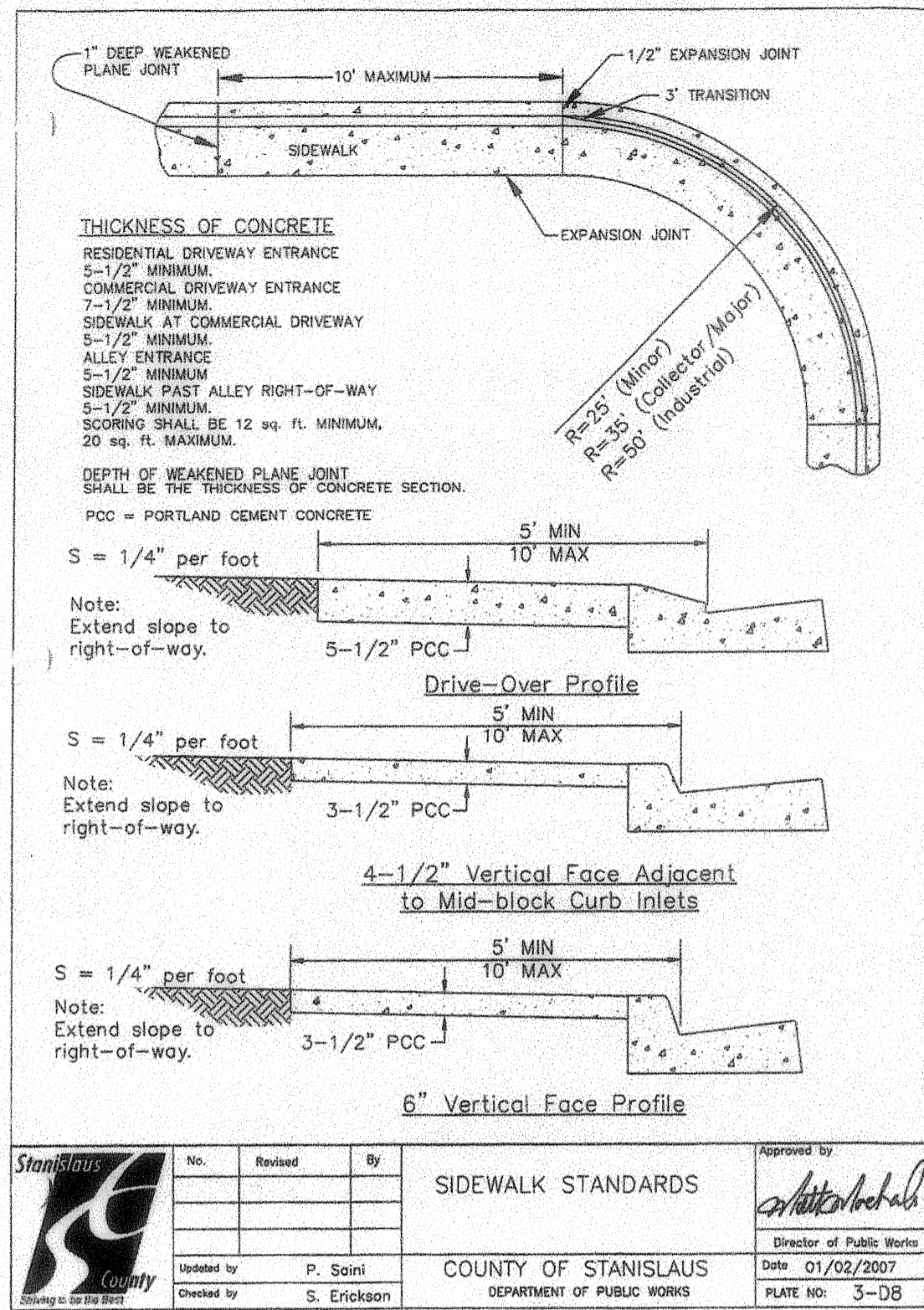
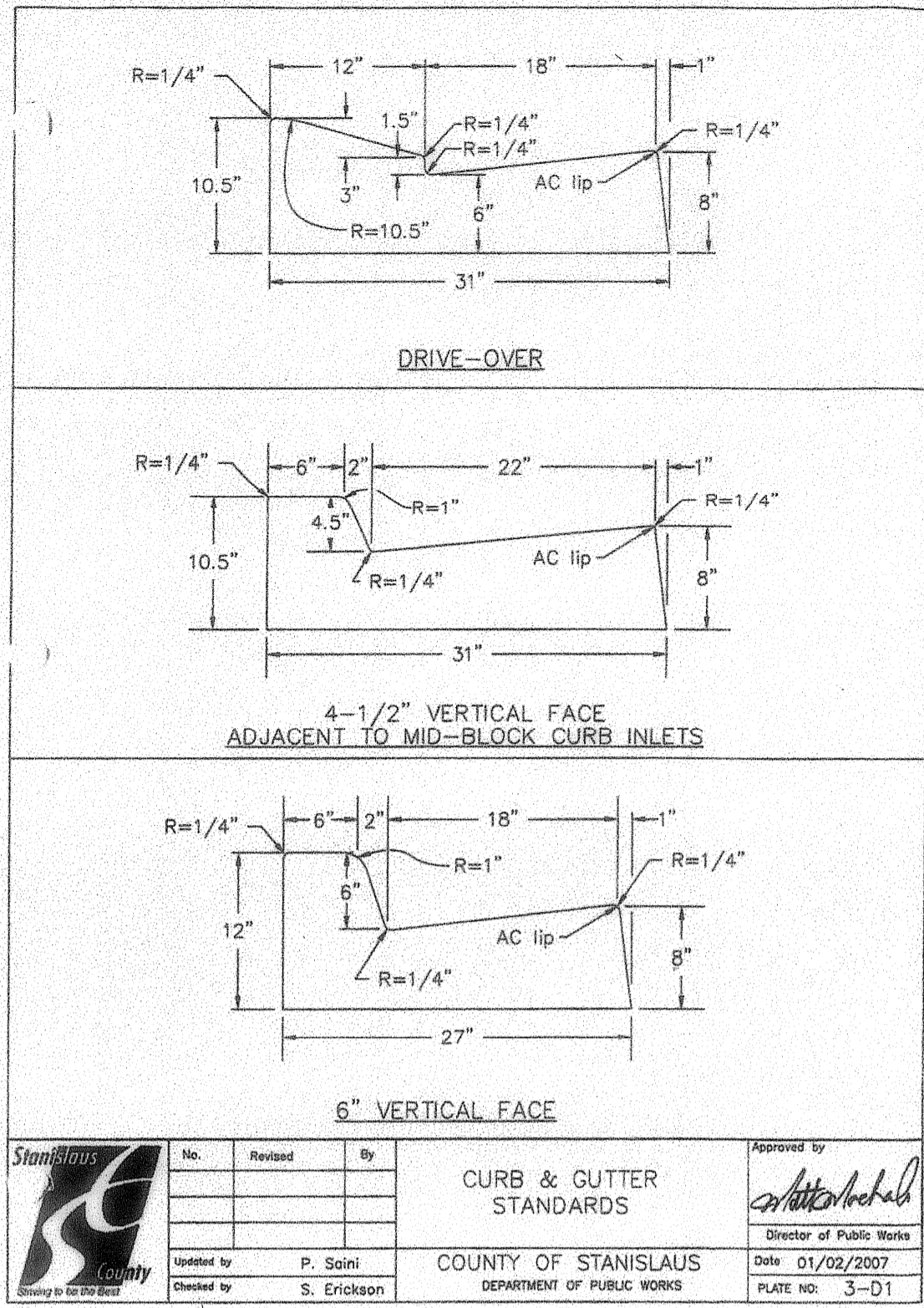
STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95336



COVER SHEET
HATCH ROAD AT
CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
MODESTO, CALIFORNIA

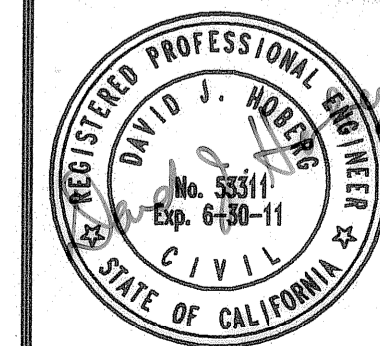
JOB NO. 0905
DATE: JUL 2009
DR BY: SF
CK BY: DJH
SCALE: 1"=30'

SHEET NUMBER
C-1
OF 9 SHEETS



STANISLAUS COUNTY CONSTRUCTION NOTES:

1. FORTY-EIGHT HOUR ADVANCED NOTICE SHALL BE PROVIDED TO ENROACHMENT INSPECTOR PRIOR TO START OF CONSTRUCTION.
2. ALL MATERIAL AND WORK SHALL CONFORM TO STANISLAUS COUNTY SPECIFICATIONS AND IMPROVEMENT STANDARDS AND CALTRANS 2006 STANDARD SPECIFICATIONS. ALL IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES. THE CONTRACTOR SHALL NOT ANY PERFORM EXCAVATION UNTIL ALL UTILITY AGENCIES AND THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. THE CONTRACTOR SHALL CALL U.S.A. AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO DOING ANY EXCAVATING.
4. PRIOR TO INITIATING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL NECESSARY FEDERAL, STATE, AND LOCAL PERMITS AND/OR AUTHORIZATIONS HAVE BEEN OBTAINED.
5. THESE PLANS HAVE BEEN CHECKED BY THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS AND/OR AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS, OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING COURSE OF CONSTRUCTION.
6. THE CONTRACTOR SHALL CONTROL DUST AT ALL TIMES. DUST CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IMPLEMENTED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL GUIDELINES (INCLUDING, BUT NOT LIMITED TO THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT).
7. CONSTRUCTION STAKING FOR CURB, GUTTER, AND SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANT, ELECTROLINERS, ETC. SHALL BE DONE UNDER THE DIRECTION OF A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
8. ALL UTILITY LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
9. STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING, AND LANE LINE MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS
10. ALL TRENCHES SHALL BE BACK FILLED IN ACCORDANCE WITH STANISLAUS COUNTY SPECIFICATIONS AND IMPROVEMENTS STANDARDS.
11. WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE SAWCUT TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATORY TRENCH, OR POT-HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL
12. EXISTING CURB AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED PER STANISLAUS COUNTY STANDARDS EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
13. MANHOLES, VALVES, CLEAN OUTS, ETC. SHALL BE BROUGHT TO FINISH GRADE BY THE CONTRACTOR AFTER THE FINAL PAVING COURSE IS PLACED.
14. ALL CONSTRUCTION SITE ACTIVITIES SHALL CONFORM TO THE STATE WATER RESOURCES CONTROL BOARD, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY.
15. ALL CONSTRUCTION SITE ACTIVITIES SHALL COMPLY WITH ALL CONDITIONS OF APPROVAL, DEVELOPMENT STANDARDS, AND/OR MITIGATION MEASURES ADOPTED BY THE PLANNING COMMISSION AND/OR BOARD OF SUPERVISORS FOR THE SPECIFIC PROJECT.



DELAMARE-FULTZ
 ENGINEERING AND SURVEYING
 3421 TULLY ROAD SUITE J, MODESTO, CA 95350
 TELEPHONE (209) 529-7450

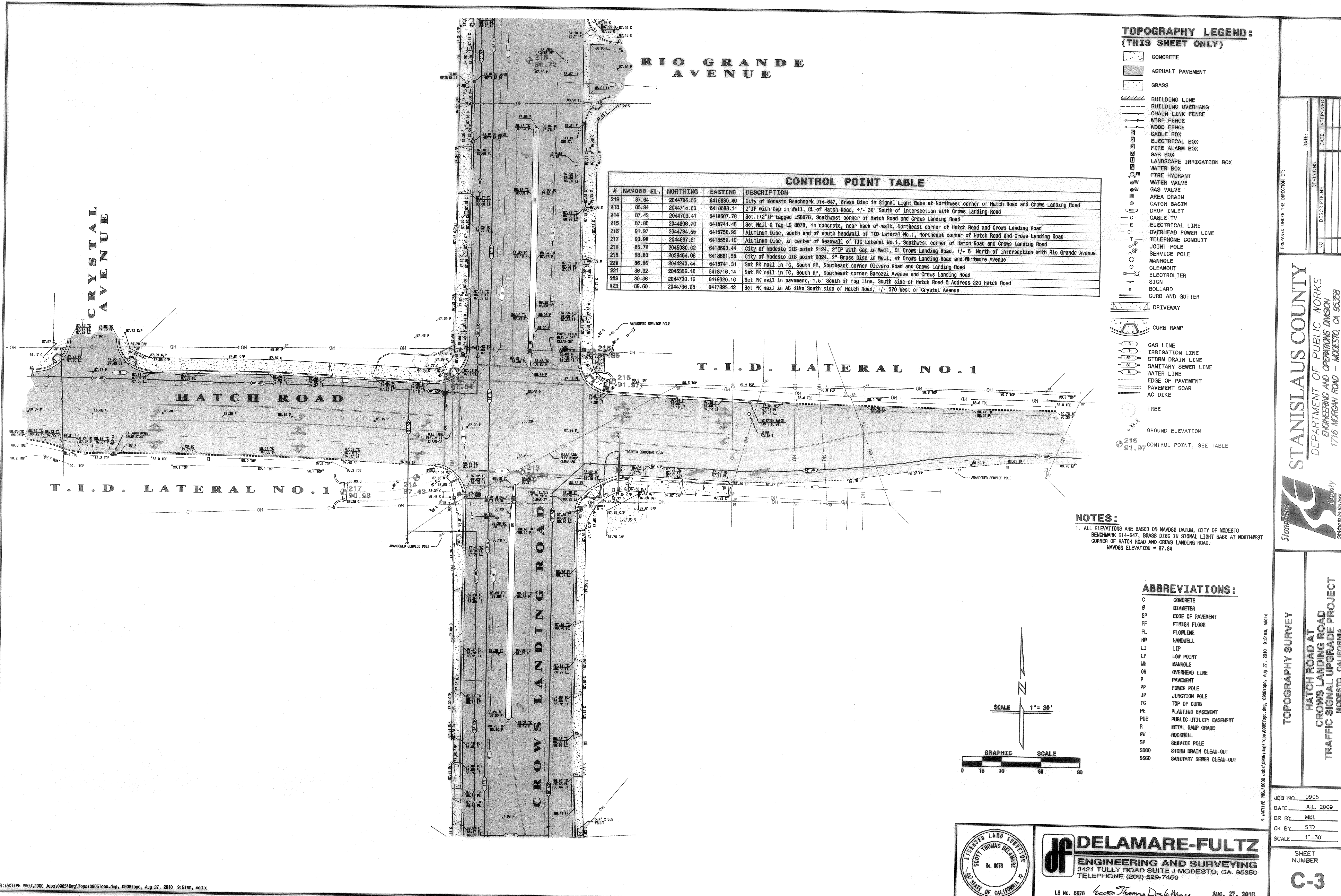
RCE No. 53311 (EXP. 06-30-11)
 David J. Henders
 Aug. 27, 2010

NO.	REVISIONS	DATE	APPROVED

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 17106 MORGAN ROAD - MODESTO, CA 95358

NOTES, SPECIFICATIONS, AND DETAILS
 HATCH ROAD AT
 CROWS LANDING ROAD
 TRAFFIC SIGNAL UPGRADE PROJECT
 MODESTO, CALIFORNIA

JOB NO. 0905
 DATE: JUL. 2009
 DR BY: SF
 CK BY: DJH
 SCALE: 1"=30'
 SHEET NUMBER
C-2
 OF 9 SHEETS



**TOPOGRAPHY LEGEND:
(THIS SHEET ONLY)**

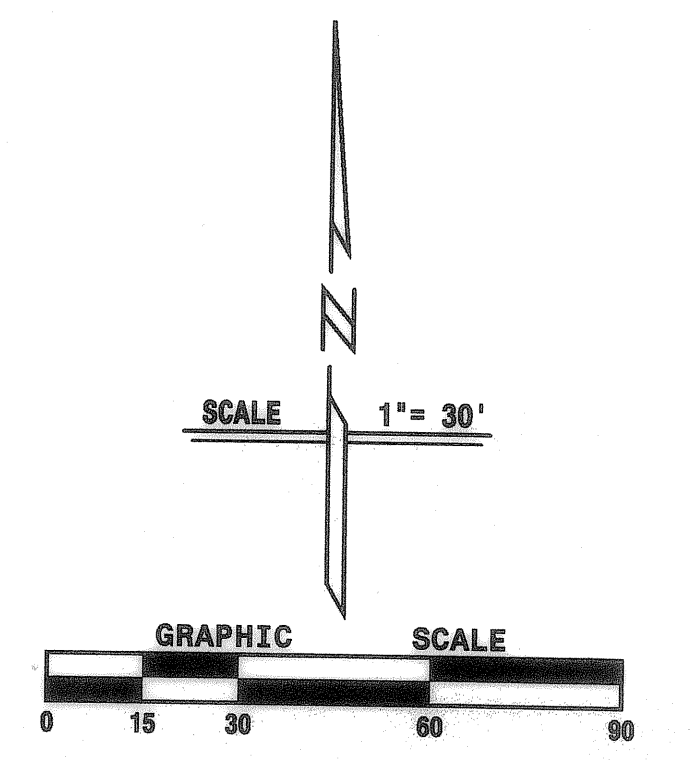
- CONCRETE
- ASPHALT PAVEMENT
- GRASS
- BUILDING LINE
- BUILDING OVERHANG
- CHAIN LINK FENCE
- WIRE FENCE
- WOOD FENCE
- CABLE BOX
- ELECTRICAL BOX
- FIRE ALARM BOX
- GAS BOX
- LANDSCAPE IRRIGATION BOX
- WATER BOX
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- AREA DRAIN
- CATCH BASIN
- DROP INLET
- CABLE TV
- ELECTRICAL LINE
- OVERHEAD POWER LINE
- TELEPHONE CONDUIT
- JOINT POLE
- SERVICE POLE
- MANHOLE
- CLEANOUT
- ELECTROLITER
- SIGN
- BOLLARD
- CURB AND GUTTER
- DRIVEWAY
- CURB RAMP
- GAS LINE
- IRRIGATION LINE
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- EDGE OF PAVEMENT
- PAVEMENT SCAR
- AC DIKE
- TREE
- GROUND ELEVATION
- CONTROL POINT, SEE TABLE

#	NAVD88 EL.	NORTHING	EASTING	DESCRIPTION
212	87.64	2044786.85	6418830.40	City of Modesto Benchmark D14-647, Brass Disc in Signal Light Base at Northwest corner of Hatch Road and Crow's Landing Road
213	86.94	2044715.00	6418888.11	2"IP with Cap in Well, CL of Hatch Road, +/- 32' South of Intersection with Crow's Landing Road
214	87.43	2044709.41	6418807.78	Set 1/2"IP tagged LS8078, Southwest corner of Hatch Road and Crow's Landing Road
215	87.85	2044806.70	6418741.45	Set Nail & Tag LS 8078, in concrete, near back of walk, Northeast corner of Hatch Road and Crow's Landing Road
216	91.97	2044784.55	6418756.93	Aluminum Disc, south end of south headwall of TID Lateral No. 1, Northeast corner of Hatch Road and Crow's Landing Road
217	90.98	2044697.81	6418552.10	Aluminum Disc, in center of headwall of TID Lateral No. 1, Southeast corner of Hatch Road and Crow's Landing Road
218	86.72	2045030.02	6418690.44	City of Modesto GIS point 2124, 2"IP with Cap in Well, CL Crow's Landing Road, +/- 5' North of Intersection with Rio Grande Avenue
219	83.80	2039454.08	6418661.58	City of Modesto GIS point 2024, 2" Brass Disc in Well, at Crow's Landing Road and Whitmore Avenue
220	86.86	2044240.44	6418741.31	Set PK nail in TC, South RP, Southeast corner Olivero Road and Crow's Landing Road
221	86.82	2045356.10	6418716.14	Set PK nail in TC, South RP, Southeast corner Barozzi Avenue and Crow's Landing Road
222	89.86	2044733.16	6419320.10	Set PK nail in pavement, 1.5' South of fog line, South side of Hatch Road @ Address 220 Hatch Road
223	89.80	2044736.06	6417993.42	Set PK nail in AC dike South side of Hatch Road, +/- 370 West of Crystal Avenue

NOTES:
 1. ALL ELEVATIONS ARE BASED ON NAVD88 DATUM, CITY OF MODESTO BENCHMARK D14-647, BRASS DISC IN SIGNAL LIGHT BASE AT NORTHWEST CORNER OF HATCH ROAD AND CROWS LANDING ROAD. NAVD88 ELEVATION = 87.64

ABBREVIATIONS:

- C CONCRETE
- Ø DIAMETER
- EP EDGE OF PAVEMENT
- FF FINISH FLOOR
- FL FLOWLINE
- MW HANDWELL
- LI LIP
- LP LOW POINT
- MH MANHOLE
- OH OVERHEAD LINE
- P PAVEMENT
- PP POWER POLE
- JP JUNCTION POLE
- TC TOP OF CURB
- PE PLANTING EASEMENT
- PUE PUBLIC UTILITY EASEMENT
- R METAL RAMP GRADE
- RW ROCKWELL
- SP SERVICE POLE
- SDDO STORM DRAIN CLEAN-OUT
- SSCO SANITARY SEWER CLEAN-OUT



NO.	DATE	APPROVED	REVISIONS	DESCRIPTIONS

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95358

TOPOGRAPHY SURVEY
 HATCH ROAD AT
 CROWS LANDING ROAD
 TRAFFIC SIGNAL UPGRADE PROJECT
 MODESTO, CALIFORNIA

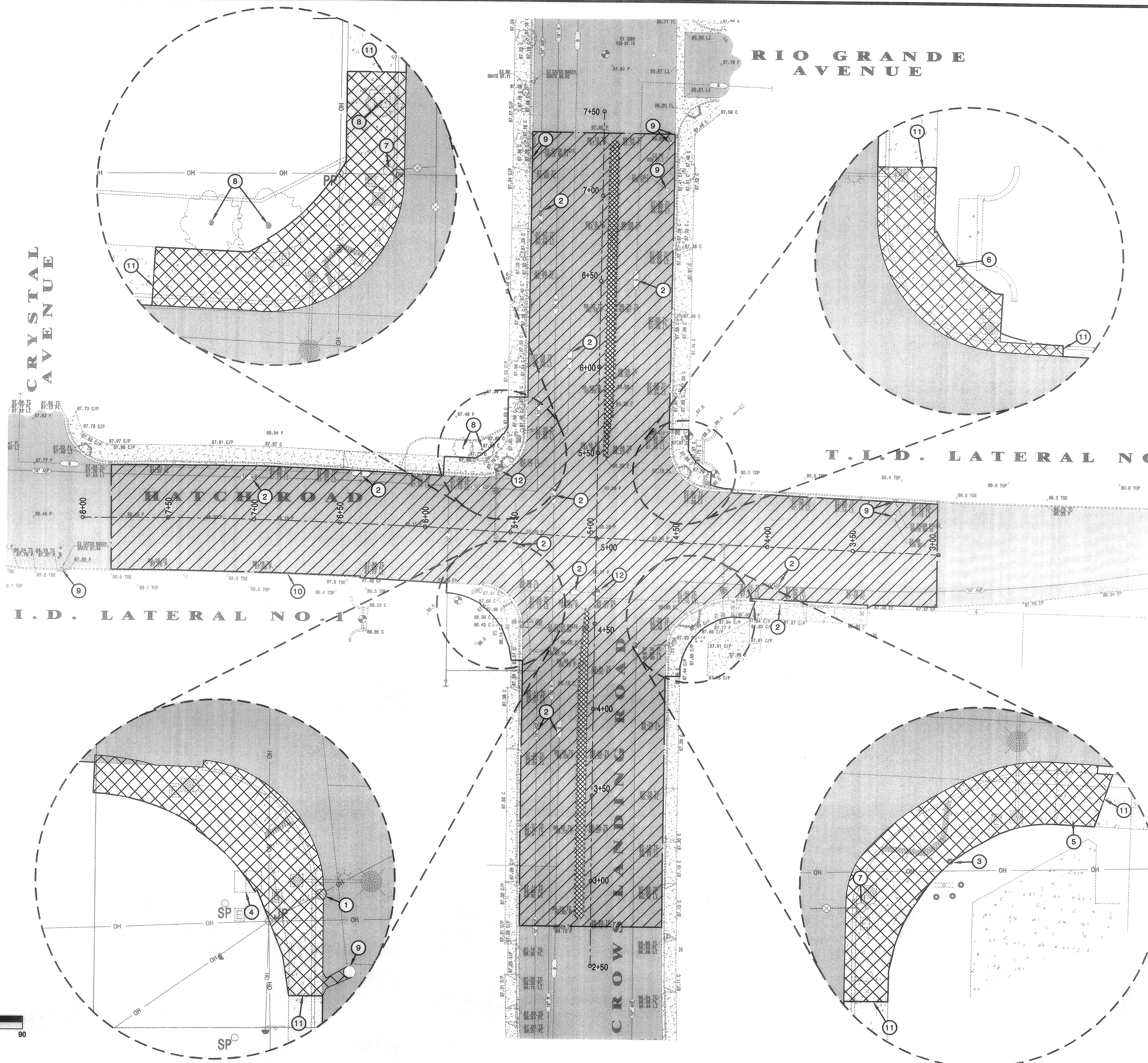
JOB NO. 0905
 DATE JUL, 2009
 DR BY MBL
 CK BY STD
 SCALE 1"=30'

SHEET NUMBER
C-3
 OF 9 SHEETS



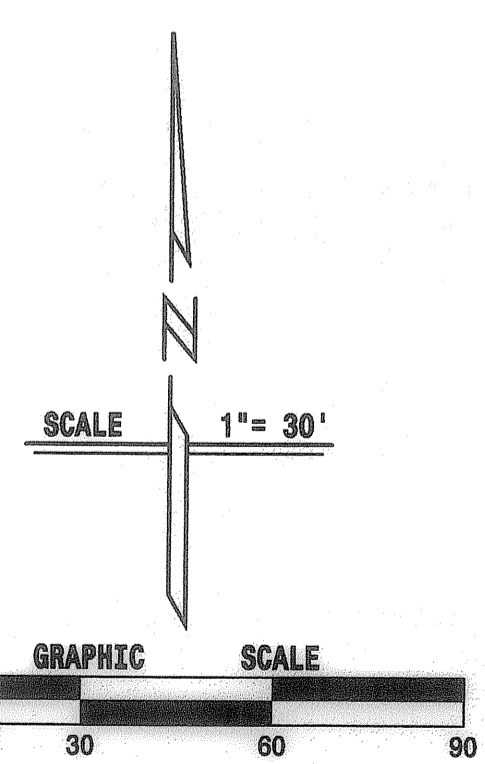
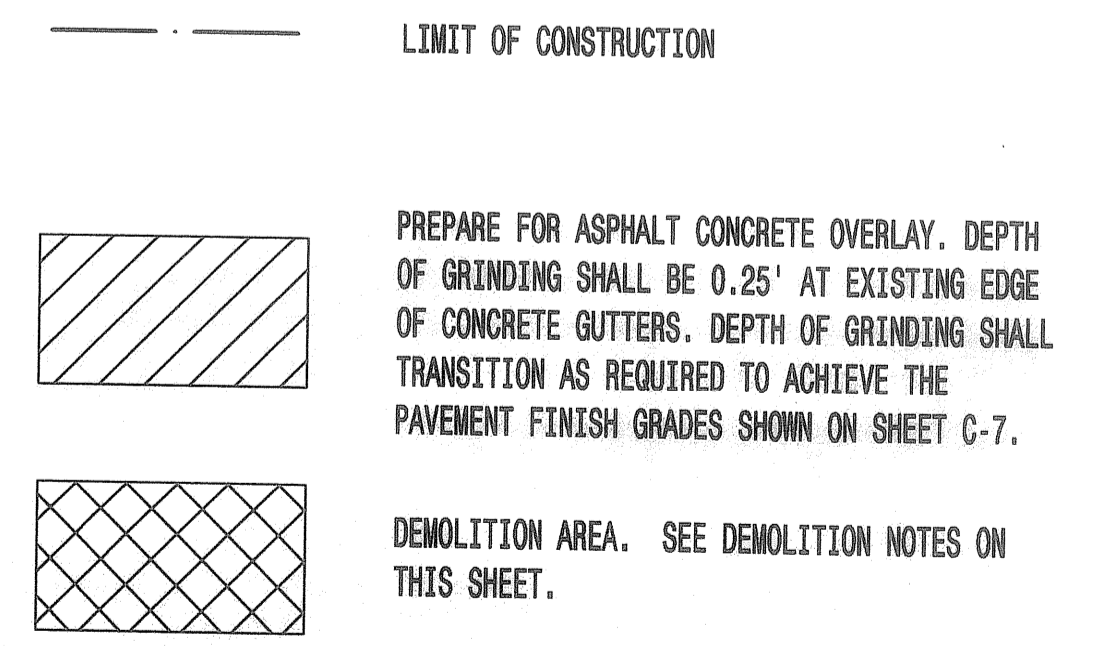
DELAMARE-FULTZ
 ENGINEERING AND SURVEYING
 3421 TULLY ROAD SUITE J MODESTO, CA. 95350
 TELEPHONE (209) 529-7450

LS No. 8078 *Scott Thomas Delamare* Aug. 27, 2010
 (EXP. 12-31-09) DATE



- DEMOLITION NOTES:**
- A. ALL DEMOLITION TO BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH ON THIS PLAN AND SPECIFICATIONS ACCOMPANYING THIS PROJECT.
 - B. SITE CLEARING SHALL INCLUDE, BUT NOT BE LIMITED TO, THE REMOVAL OF STRIPING, ASPHALT CONCRETE, CONCRETE, AND ALL OTHER EXISTING IMPROVEMENTS OR OBSTRUCTIONS INTERFERING WITH THE INSTALLATION OF NEW IMPROVEMENTS FOR THIS PROJECT.
 - C. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (800) 227-2600 FOR VERIFICATION OF ALL UNDERGROUND FACILITIES PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES.
 - D. TOPSOIL: STRIP TOPSOIL TO WHATEVER DEPTHS ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER OBJECTION MATERIAL. REMOVE HEAVY GROWTHS OF GRASS FROM AREAS BEFORE STRIPPING.
 - E. CLEARING AND GRUBBING: CLEAR SITE OF TREES, SHRUBS AND OTHER VEGETATION, EXCEPT FOR THOSE INDICATED TO BE LEFT STANDING. COMPLETELY REMOVE STUMPS, ROOTS, AND OTHER DEBRIS PROTRUDING THROUGHOUT GROUND SURFACE.
 - F. REMOVAL OF IMPROVEMENTS: REMOVE ABOVE-GRADE AND BELOW-GRADE IMPROVEMENTS AS NECESSARY TO PERMIT CONSTRUCTION AND OTHER WORK AS INDICATED.
 - G. BURNING: BURNING IS NOT PERMITTED ON CONSTRUCTION SITE. REMOVE ALL WASTE MATERIALS AND UNSUITABLE AND EXCESS SOIL FROM SITE AND DISPOSE OF PROPERTY.
 - H. RECORDS OF ON-SITE CONSTRUCTION HAVE BEEN OBTAINED AND THE RESULTS OF THESE SEARCHES ARE SHOWN ON THESE PLANS. THE LOCATIONS SHOWN ARE NOT GUARANTEED FOR ACCURACY, NOR TOTALITY OF ALL UTILITIES WITHIN THE AREA OF CONSTRUCTION.
 - I. SEE SHEET TS-2 FOR INSTRUCTIONS ON REMOVAL OF EXISTING TRAFFIC SIGNAL AND LIGHTING WORK.
 - J. MONUMENTS & BENCHMARKS TO BE PERPETUATED PER CALIFORNIA BUSINESS AND PROFESSION CODE SECTION 8771. CONSTRUCTION STAKING SURVEYOR SHALL CONTACT STANISLAUS COUNTY SURVEYOR AND CITY OF MODESTO SURVEYOR FOR VERTICAL CORNER RECORD PROCEDURES TO COMPLY WITH SECTION 8771.

- DEMOLITION KEY NOTES**
- 1. REMOVE EXISTING DRAINAGE INLET AND PLUG PIPE.
 - 2. PROTECT EXISTING UTILITY AND RELATED STRUCTURES.
 - 3. PROTECT IN PLACE EXISTING TRAFFIC CROSSING POLE.
 - 4. RELOCATE EXISTING UTILITY CABINET (SEE TS-1).
 - 5. REMOVE PART OF EXISTING DRIVEWAY.
 - 6. PROTECT EXISTING IRRIGATION STRUCTURE.
 - 7. RELOCATE EXISTING FIRE HYDRANT.
 - 8. PROTECT EXISTING TREE.
 - 9. PROTECT EXISTING ROCKWELL AND/OR DRAINAGE INLET.
 - 10. PROTECT EXISTING AC DIKE.
 - 11. SAWCUT ALONG ABUTTING IMPROVEMENTS.
 - 12. MONUMENTS & BENCHMARKS TO BE PROTECTED-IN-PLACE AND/OR RELOCATED. SEE DEMOLITION NOTES, NOTE J FOR CORNER RECORD PROCEDURES, THIS SHEET.



PREPARED UNDER THE DIRECTION OF:

NO.	DESCRIPTIONS	DATE	APPROVED

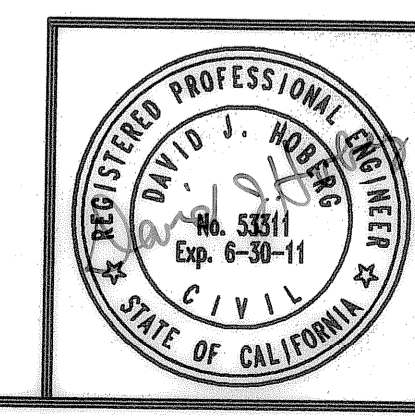
STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95338



DEMOLITION PLAN
HATCH ROAD AT
CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
 MODESTO, CALIFORNIA

JOB NO. 0905
 DATE JUL, 2009
 DR BY SF
 CK BY DJH
 SCALE 1"=30'

SHEET NUMBER
C-4
 OF 9 SHEETS



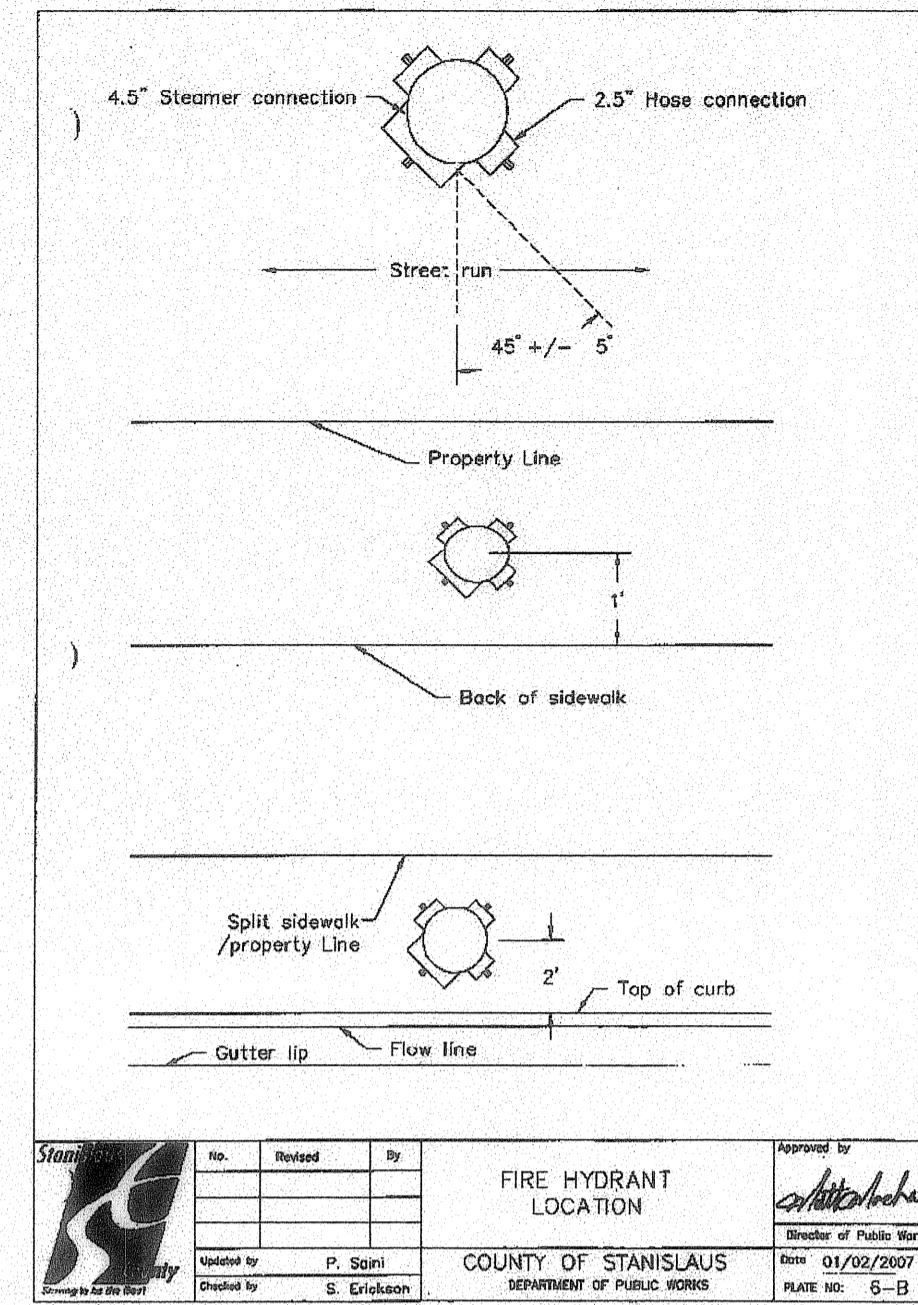
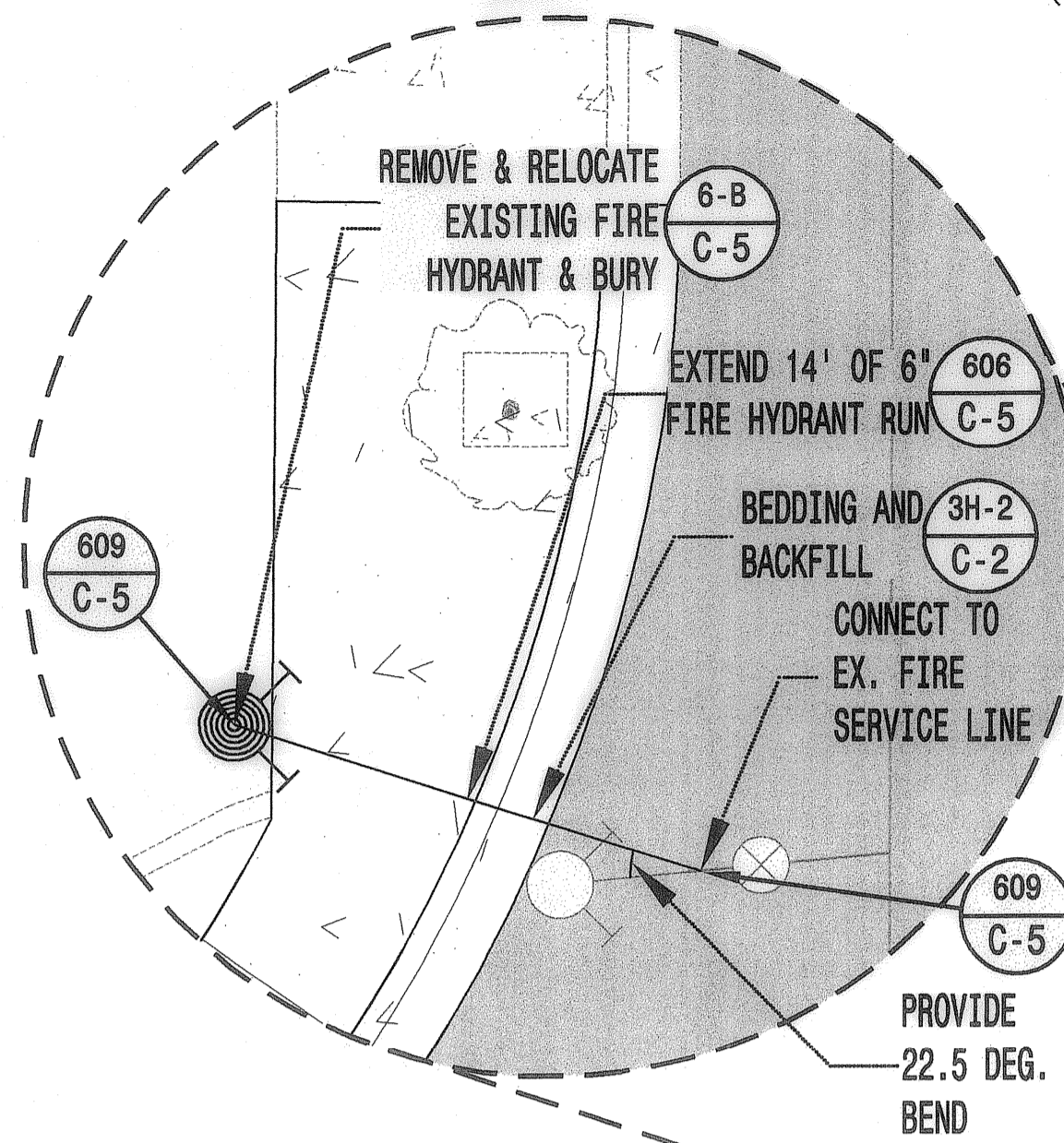
DELAMARE-FULTZ
 ENGINEERING AND SURVEYING
 3421 TULLY ROAD SUITE J MODESTO, CA. 95350
 TELEPHONE (209) 529-7450

RCE No. 53311
 (EXP. 06-30-11)
 David J. Hoberg
 Aug. 27, 2010
 DATE

RELOCATE FIRE HYDRANT @ CURB RETURN

SCALE: 1" = 5'

WATER SYSTEM WORK TO BE PERFORMED BY CITY OF MODESTO CREWS AT COUNTY'S EXPENSE. PAVING WILL BE RESPONSIBILITY OF COUNTY'S CONTRACTOR.



MINIMUM THRUST BLOCK AREAS (IN SQUARE FEET)					
PIPE SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND	DEAD END
4"	1.5	2	1.5	1	1.5
6"	3	4.5	2.5	1.5	3
8"	5	7	4	2	5
10"	8.5	11.5	6.5	3.5	8.5
12"	11.5	16.5	9	4.5	11.5

NOTES:

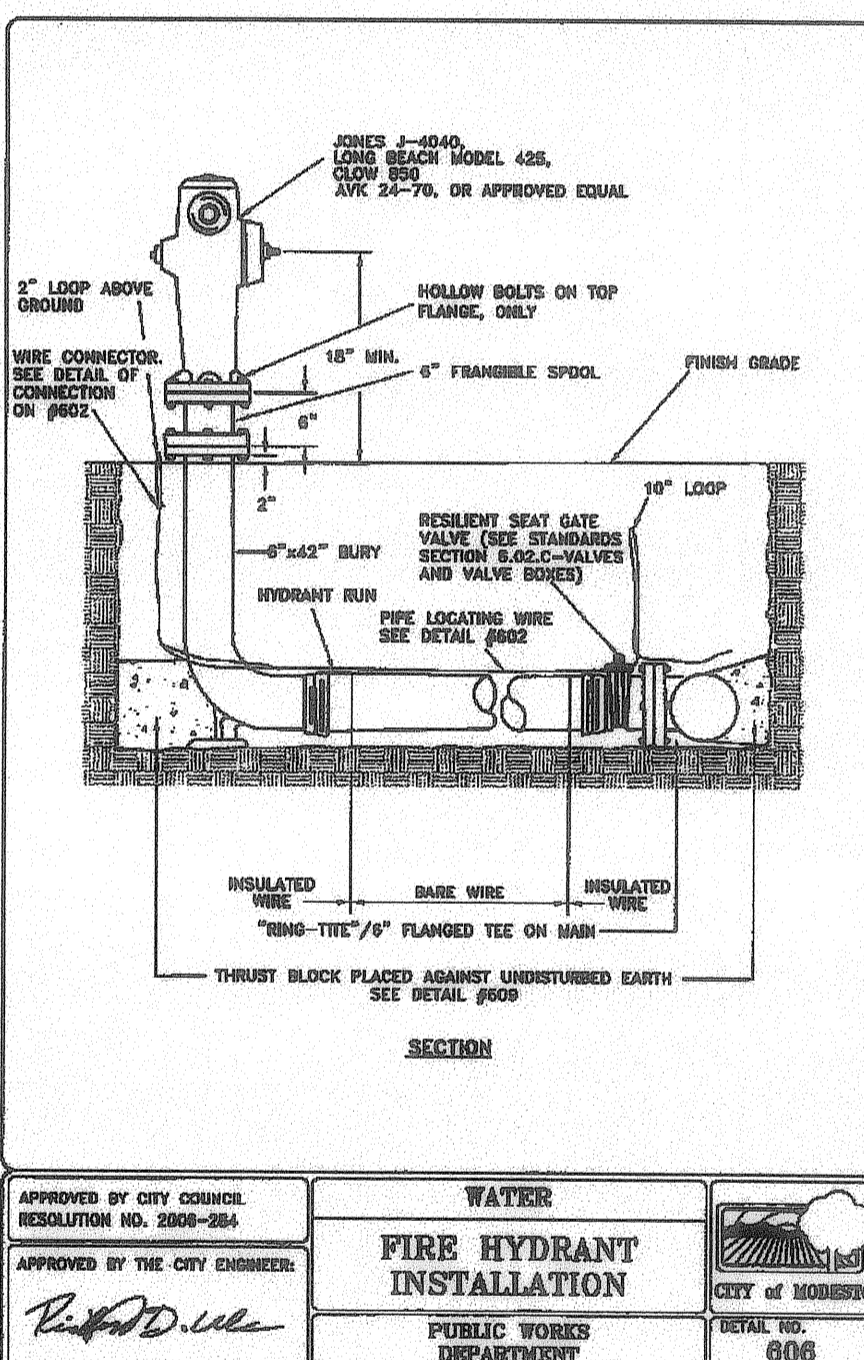
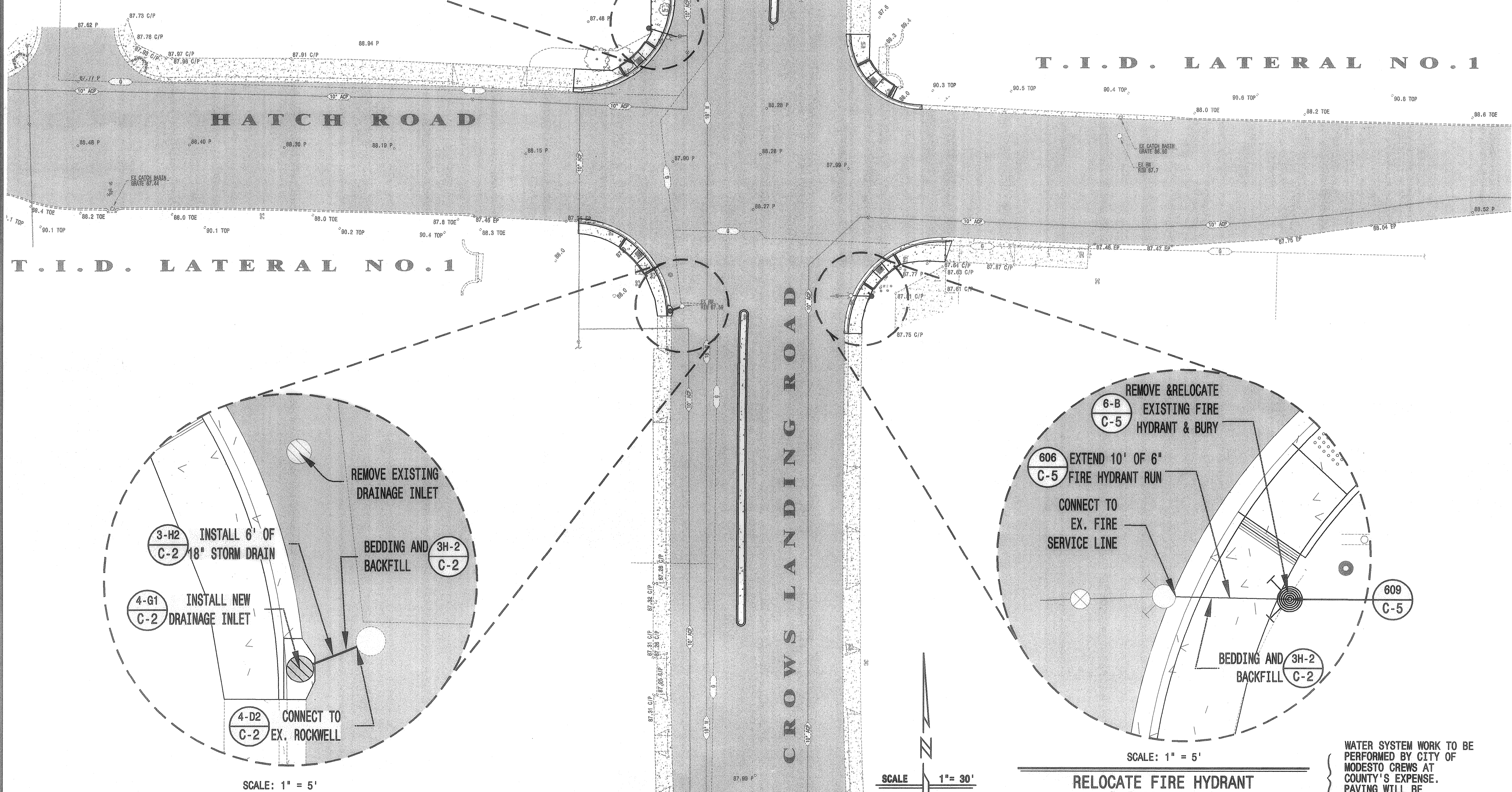
- AREAS ARE FOR 150 POUNDS PER SQUARE INCH WATER PRESSURE AND SANDY SOIL. AREAS SHALL BE DOUBLED FOR CLAYEY SOIL.
- BLOCKING SHALL BE MADE OF CLASS B CONCRETE AND SHALL BE PLACED BETWEEN UNDISTURBED GROUND AND THE FITTING TO BE PROTECTED. THE BLOCKING SHALL BE PLACED SO THAT THE ENDS OF THE PIPE AND FITTINGS WILL BE ACCESSIBLE FOR DETAIL.
- THRUST BLOCKS SHALL BE CONSTRUCTED AT PIPE BENDS, CHANGES AND AT OTHER FITTINGS NOT LISTED, AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

APPROVED BY CITY COUNCIL RESOLUTION NO. 2900-284
APPROVED BY THE CITY ENGINEER: *Richard D. Williams*

WATER
THRUST BLOCKING

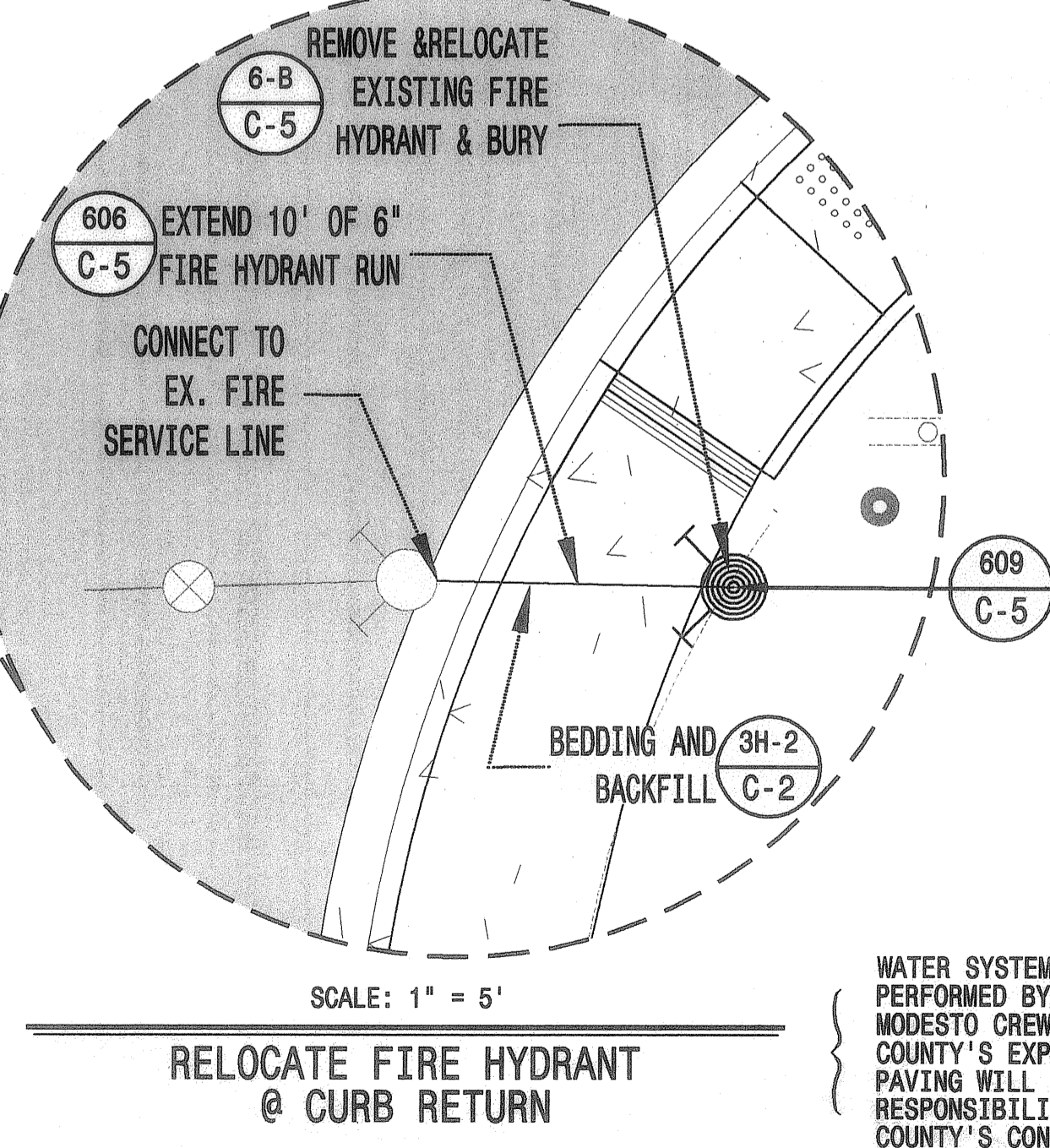
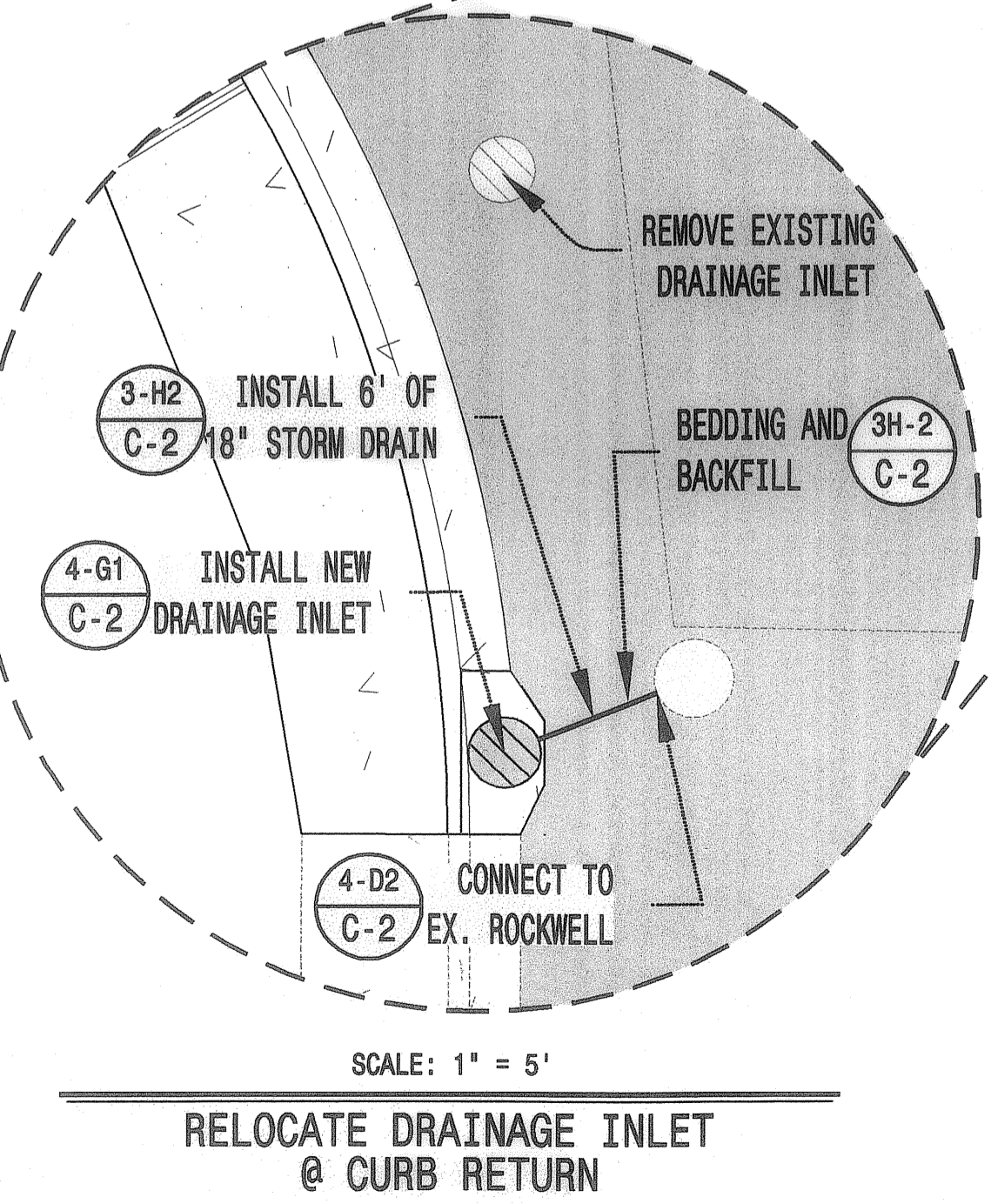
CITY OF MODESTO
PUBLIC WORKS DEPARTMENT
SHEET NO. 609

T.I.D. LATERAL NO. 1



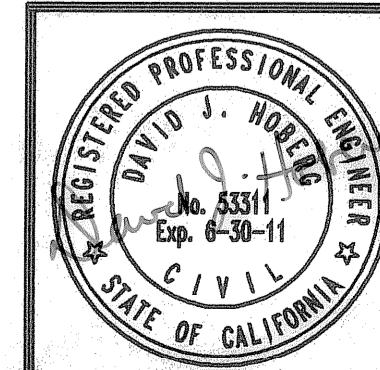
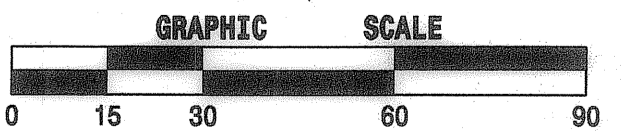
WATER (PER CHAPTER 2 OF THE CITY OF MODESTO STANDARDS):

- ALL WATER LINES SHALL BE PRESSURE-TESTED, DISINFECTED, FLUSHED, AND TESTED FOR BACTERIA IN CONFORMANCE WITH THE CITY OF MODESTO SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BY THE CITY.
- ALL WATER SERVICES SHALL BE 1" MINIMUM. WATER SERVICES SHALL BE CONNECTED TO WATER MAINS WITH TWO-STRAP BRONZE SADDLES. CITY SHALL MAKE ALL TAPS ON EXISTING WATER MAINS ONLY.
- ALL VALVES, TEES, AND CROSSES TO BE FLANGED TO THEIR RESPECTIVE FITTINGS. WATER VALVES TO BE RESILIENT SEAT ONLY.
- WATER MAINS AT THE END OF FUTURE STREETS SHALL HAVE TWO HALF-LENGTHS OF PIPE BETWEEN GATE VALVE AND BLOW-OFF. DEFLECTION OF WATER LINES SHALL NOT EXCEED 80% OF MANUFACTURER'S SPECIFICATIONS.
- WATER MAINS SHALL BE AS PER CITY STANDARDS AND FIRE HYDRANTS SHALL BE JONES J-4040, LONG BEACH 425, CLOW 850, AVK 2470 OR APPROVED EQUAL AND SHALL CONFORM TO THE LATEST ANMA SPECIFICATIONS, C-503, FOR WET-BARREL FIRE HYDRANTS. ALL HYDRANTS SHALL BE PAINTED WITH CATERPILLAR YELLOW POLYURETHANE HIGH DUTY INDUSTRIAL ENAMEL. NO LEAD BASED PAINT MAY BE USED.
- ALL VALVE STEMS MUST BE BROUGHT TO A MINIMUM OF FOUR FEET (4') BELOW FINISHED GRADE WITH STEM EXTENSION UNITS.
- THRUST BLOCKS SHALL BE PROVIDED AT ALL REQUIRED LOCATIONS ON WATER LINES IN ACCORDANCE WITH THE CITY OF MODESTO SPECIFICATIONS AND DETAILS.



WATER SYSTEM WORK TO BE PERFORMED BY CITY OF MODESTO CREWS AT COUNTY'S EXPENSE. PAVING WILL BE RESPONSIBILITY OF COUNTY'S CONTRACTOR.

SCALE 1" = 30'



DELAMARE-FULTZ
ENGINEERING AND SURVEYING
3421 TULLY ROAD SUITE J MODESTO, CA. 95350
TELEPHONE (209) 529-7450

RCE No. 53311
(EXP. 06-30-11)

David J. Aberg
Aug. 27, 2010
DATE

PROPOSED UNDER THE DIRECTION OF:

NO.	DESCRIPTIONS	DATE	APPROVED

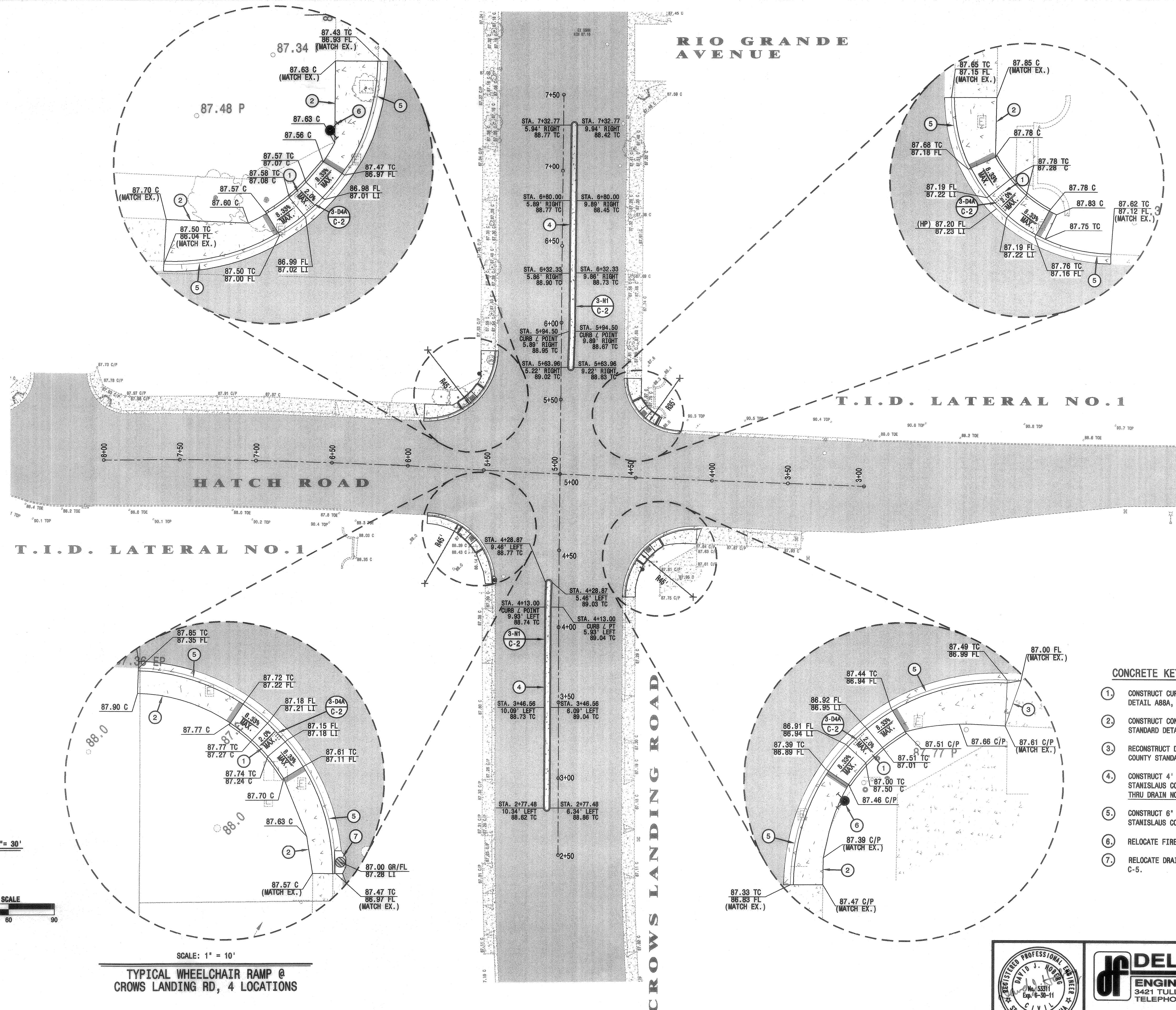
STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95338



UTILITY PLAN
HATCH ROAD AT CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
MODESTO, CALIFORNIA

JOB NO. 0905
DATE: JUL 2009
DR BY: SJ
CK BY: DJH
SCALE: 1" = 30'

SHEET NUMBER
C-5
OF 9 SHEETS



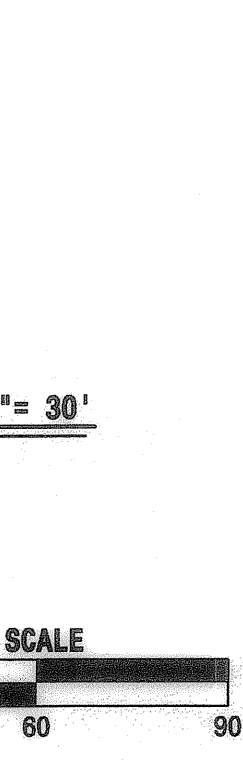
T.I.D. LATERAL NO.1

T.I.D. LATERAL NO.1

RIO GRANDE AVENUE

HATCH ROAD

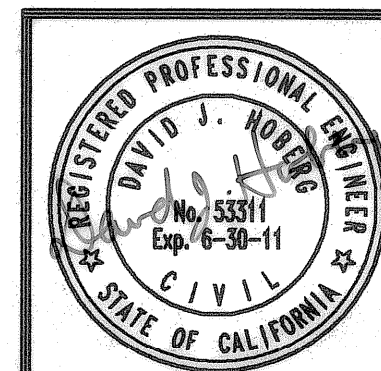
CROWS LANDING ROAD



SCALE: 1" = 10'
TYPICAL WHEELCHAIR RAMP @
CROWS LANDING RD, 4 LOCATIONS

CONCRETE KEY NOTES

1. CONSTRUCT CURB RAMP AT CURB RETURN PER CALTRANS DETAIL AB8A, CASE C ON SHEET C-2.
2. CONSTRUCT CONCRETE SIDEWALK PER STANISLAUS COUNTY STANDARD DETAIL 3-D8 ON SHEET C-2.
3. RECONSTRUCT DRIVEWAY APPROACH PER STANISLAUS COUNTY STANDARD DETAIL 3-F2 ON SHEET C-2.
4. CONSTRUCT 4' STANDARD MEDIAN WITH 8" CURB FACE PER STANISLAUS COUNTY DETAIL 3-N1 ON SHEET C-2. THRU DRAIN NOT REQUIRED.
5. CONSTRUCT 6" VERTICAL CURB AND GUTTER PER STANISLAUS COUNTY STANDARD DETAIL 3-D1 ON SHEET C-2.
6. RELOCATE FIRE HYDRANT PER DETAIL 6-B ON SHEET C-5.
7. RELOCATE DRAINAGE INLET PER DETAIL 46-1 ON SHEET C-5.



DELAMARE-FULTZ
ENGINEERING AND SURVEYING
3421 TULLY ROAD SUITE J, MODESTO, CA 95350
TELEPHONE (209) 529-7450

RCE No. 53311 (EXP. 06-30-11) *David J. Adams* Aug. 27, 2010 DATE

PREPARED UNDER THE SUPERVISION OF:

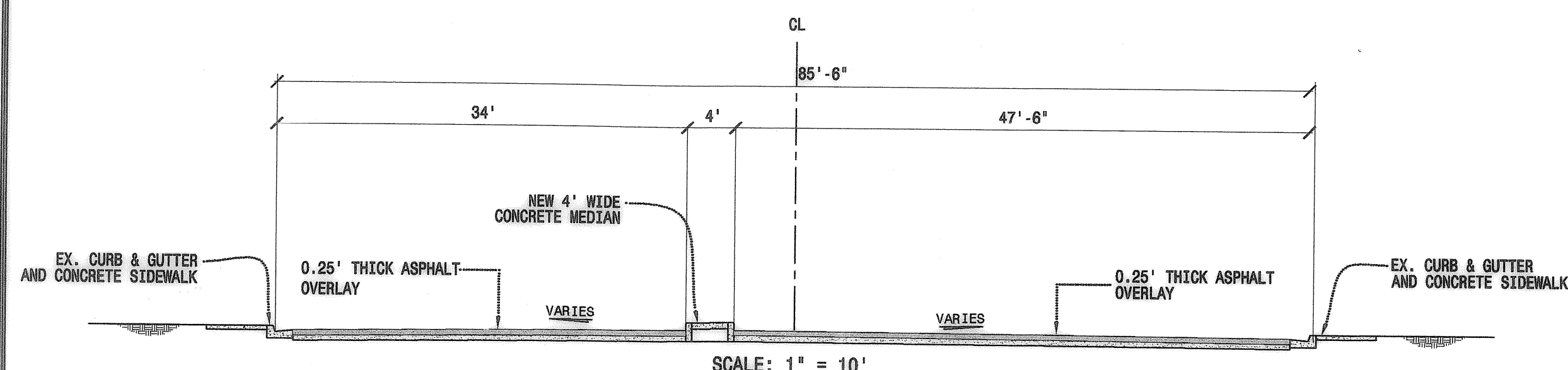
NO.	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

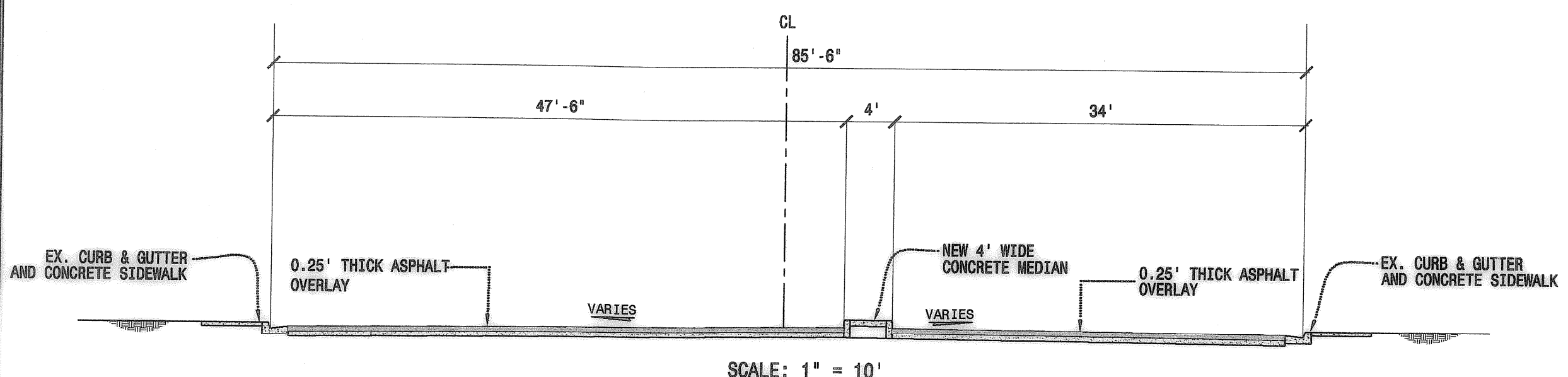
STREET GEOMETRY/LAYOUT PLAN
HATCH ROAD AT
CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
MODESTO, CALIFORNIA

JOB NO. 0905
DATE: JUL 2009
DR BY: SF
CK BY: DJH
SCALE: 1"=30'

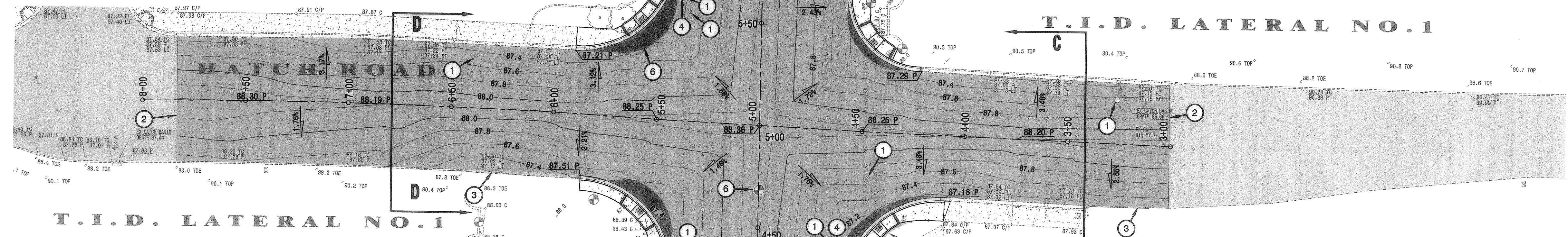
SHEET NUMBER
C-6
OF 9 SHEETS



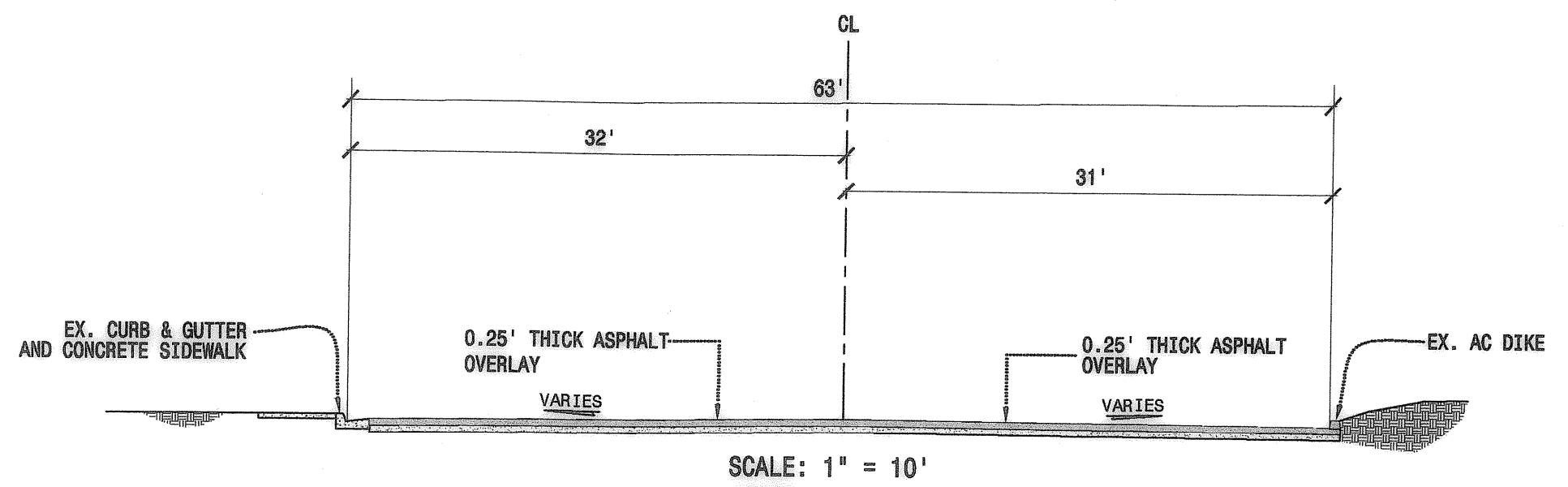
SECTION A-A
CROWS LANDING ROAD- SOUTH OF HATCH ROAD



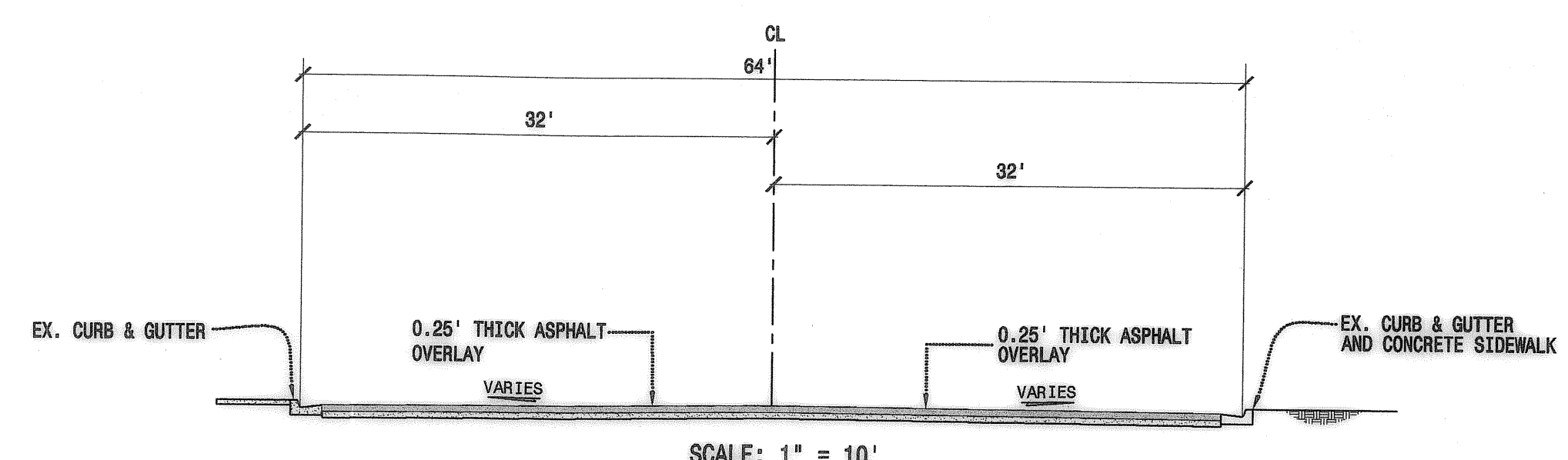
SECTION B-B
CROWS LANDING ROAD- NORTH OF HATCH ROAD



T.I.D. LATERAL NO. 1



SECTION C-C
HATCH ROAD -EAST OF CROWS LANDING ROAD



SECTION D-D
HATCH ROAD-WEST OF CROWS LANDING ROAD

ASPHALT OVERLAY KEY NOTES

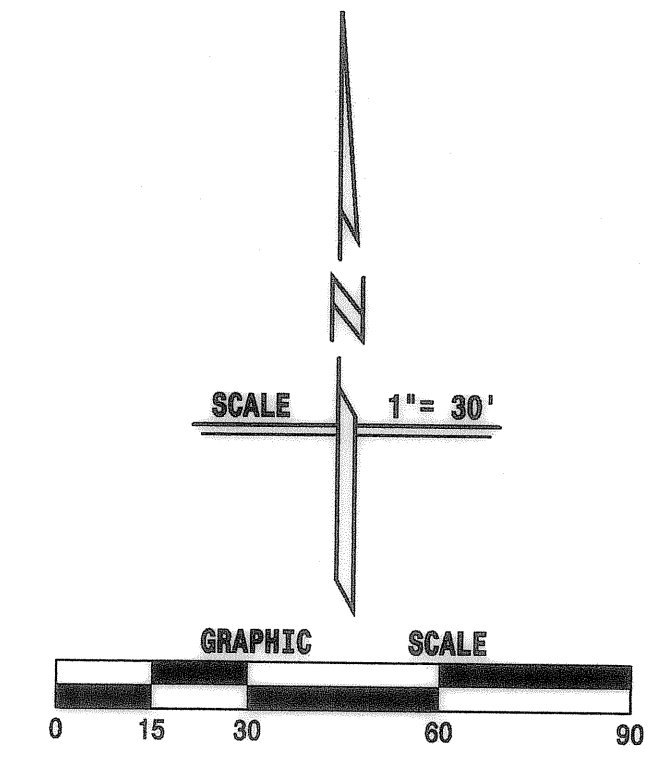
1. ADJUST WATER VALVE AND/OR MANHOLE COVER TO NEW PAVEMENT GRADE.
2. MATCH EXISTING PAVEMENT SURFACE WITH SMOOTH TRANSITION.
3. PROVIDE SMOOTH TRANSITION BETWEEN NEW OVERLAY SURFACE AND EXISTING GROUND USING PAVEMENT GRINDINGS OR EXCESS NATIVE MATERIAL WHERE PAVING DOES NOT ABUT TO CONCRETE/EXISTING PAVEMENT.
4. PROVIDE PAVING STRUCTURAL SECTION FOR RELOCATED UTILITIES PER STANISLAUS COUNTY STANDARD 3-H2 ON SHEET C-2.
5. PROVIDE 8" CURB FACE AT MEDIAN PLANTERS PER COUNTY OF STANISLAUS STANDARD 3-N1 ON SHEET C-2.
6. ADJUST OR PROTECT-N-PLACE MONUMENT AND/OR BENCHMARK TO NEW PAVEMENT GRADE.

AREA TO RECEIVE 0.25' MIN. ASPHALT CONCRETE OVERLAY. PREPARE AREA USING WEDGE PLANNING PROCEDURES TO ACHIEVE THE FINISH GRADES SHOWN HEREON, SEE PROJECT SPECIFICATIONS.

AREA TO RECEIVE FULL DEPTH PAVING SECTION. 0.25' AC/ 0.50' AB OR 1" THICKER THAN THE EXISTING A.C. WHICHEVER IS GREATER. FINAL COURSE TO BE INCLUDED WITH PAVING IN OVERLAY AREA.

NOTE:

1. PROVIDE 0.125' A.C. LEVELING COURSE AFTER SUBGRADE PREPARATION.
2. INSTALL TRAFFIC SIGNAL LOOP SYSTEM AS REQUIRED
3. PROVIDE 0.125' A.C. FINAL PAVING COURSE OVER ENTIRE PROJECT AREA.



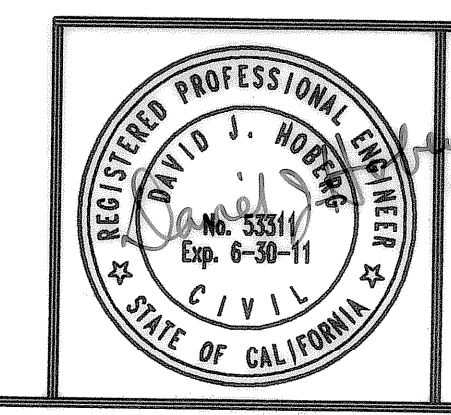
NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

STREET ASPHALT OVERLAY PLAN
HATCH ROAD AT
CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
MODESTO, CALIFORNIA

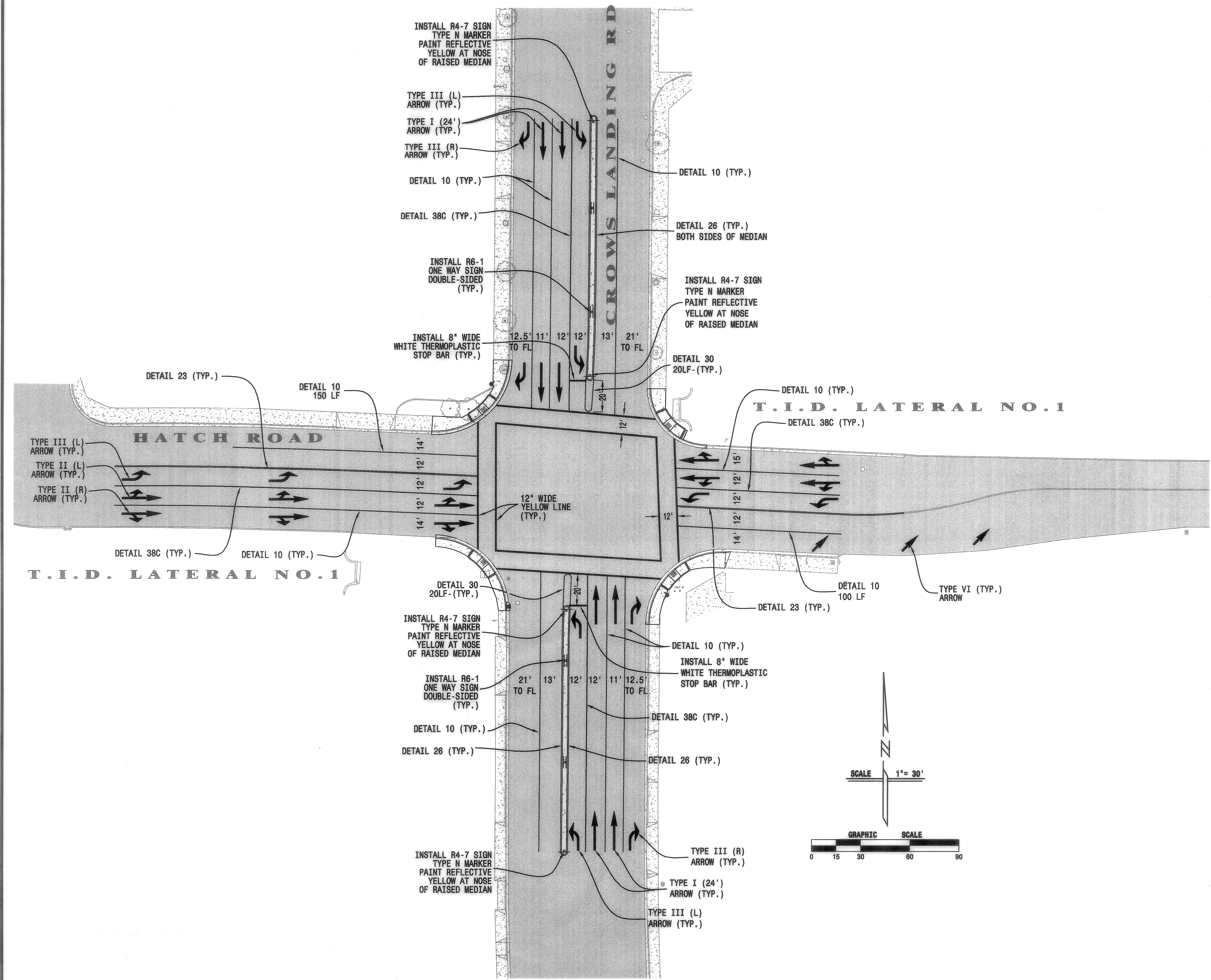
JOB NO. 0905
DATE: JUL. 2009
DR BY: SF
CK BY: DJH
SCALE: 1"=30'

SHEET NUMBER
C-7
OF 9 SHEETS



DELAMARE-FULTZ
ENGINEERING AND SURVEYING
3421 TULLY ROAD SUITE J MODESTO, CA. 95350
TELEPHONE (209) 529-7450

RF# No. 53311 (EXP. 06-30-11)
David J. Hoberg
Aug. 27, 2010
DATE



SIGNAGE AND STRIPING

NOTES:

1. SIGNAGE PER THE LATEST EDITION OF THE STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN AS REQUIRED BY STANISLAUS COUNTY PUBLIC WORKS DEPARTMENT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING STRIPING AND PAVEMENT MARKINGS WITHIN THE LIMITS OF STRIPING SHOWN HEREON. METHOD OF REMOVAL SHALL BE APPROVED BY THE COUNTY INSPECTOR.
4. ALL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC AND PAVEMENT MARKERS SHALL BE GLASS-FACED.
5. THE CONTRACTOR SHALL WORK WITH STANISLAUS COUNTY PUBLIC WORKS DEPARTMENT TO ENSURE PROPER LAYOUT OF TRAFFIC STRIPING PRIOR TO INSTALLATION.
6. ALL STRIPING AND MARKING DETAILS SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
7. SIGN POSTS SHALL CONFORM TO STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

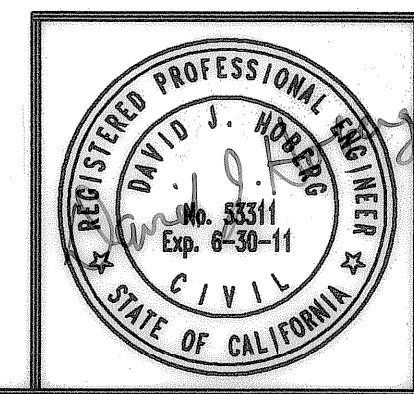
NO.	REVISIONS	DATE	APPROVED

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORRISON ROAD - MODESTO, CA 95358

SIGNAGE AND STRIPING PLAN
 HATCH ROAD AT
 CROWS LANDING ROAD
 TRAFFIC SIGNAL UPGRADE PROJECT
 MODESTO, CALIFORNIA

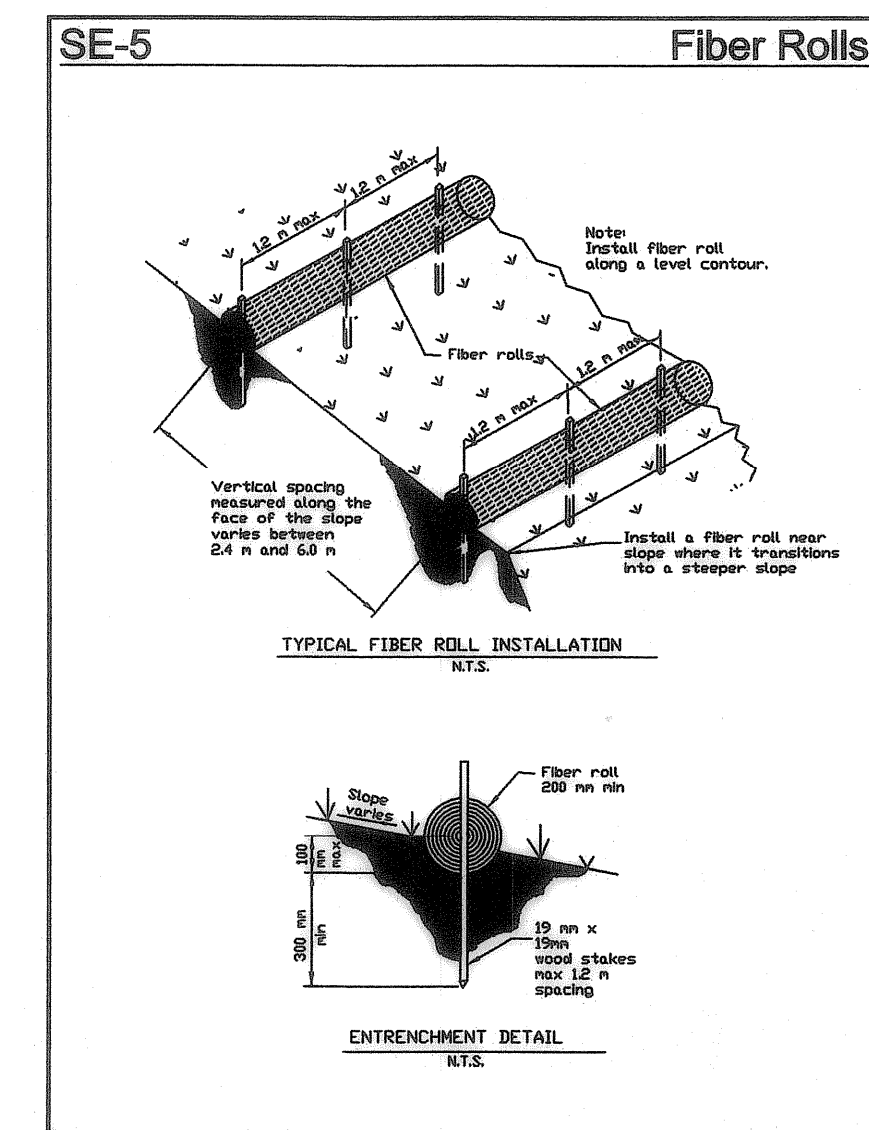
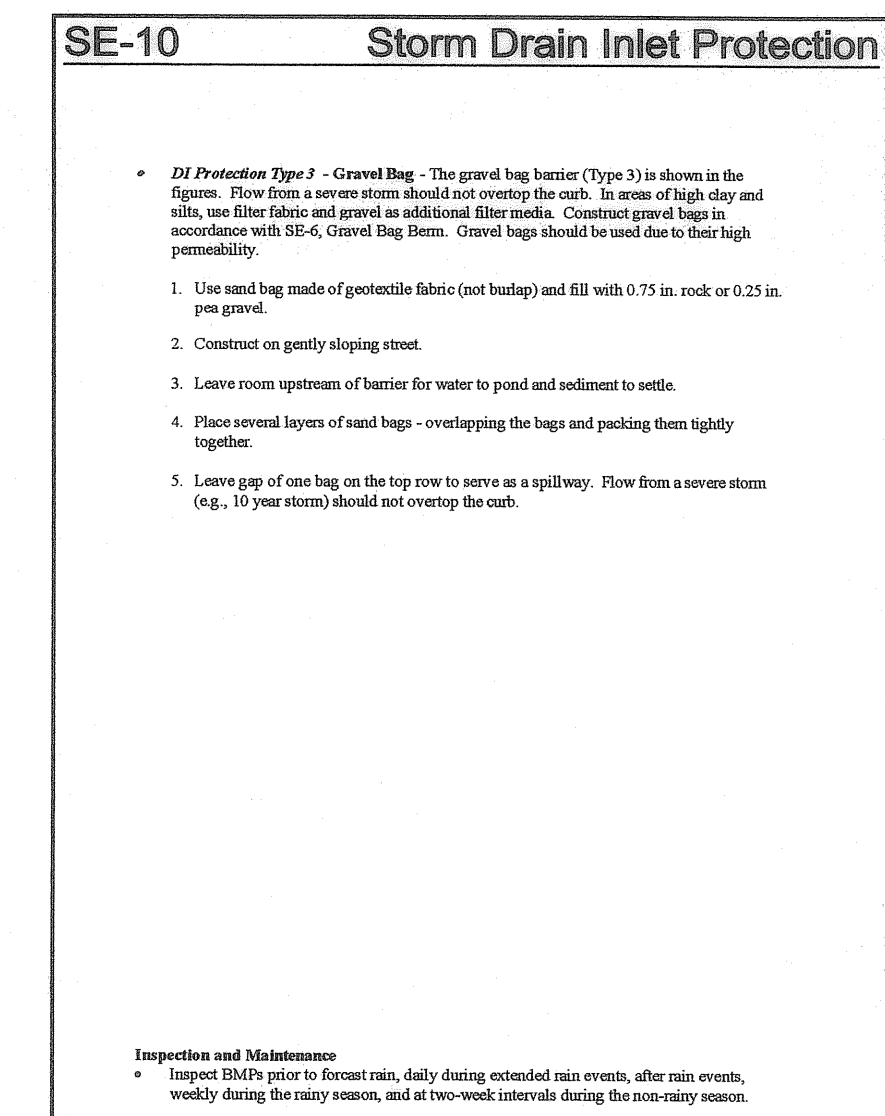
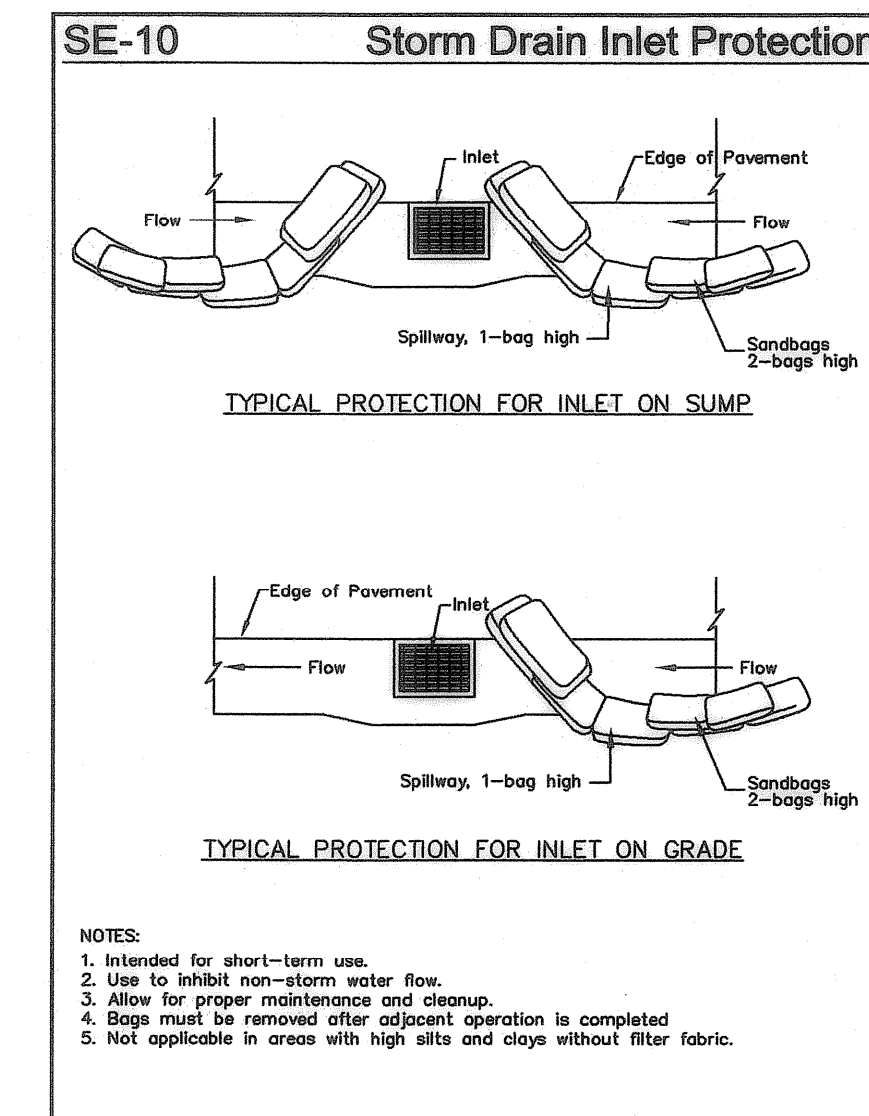
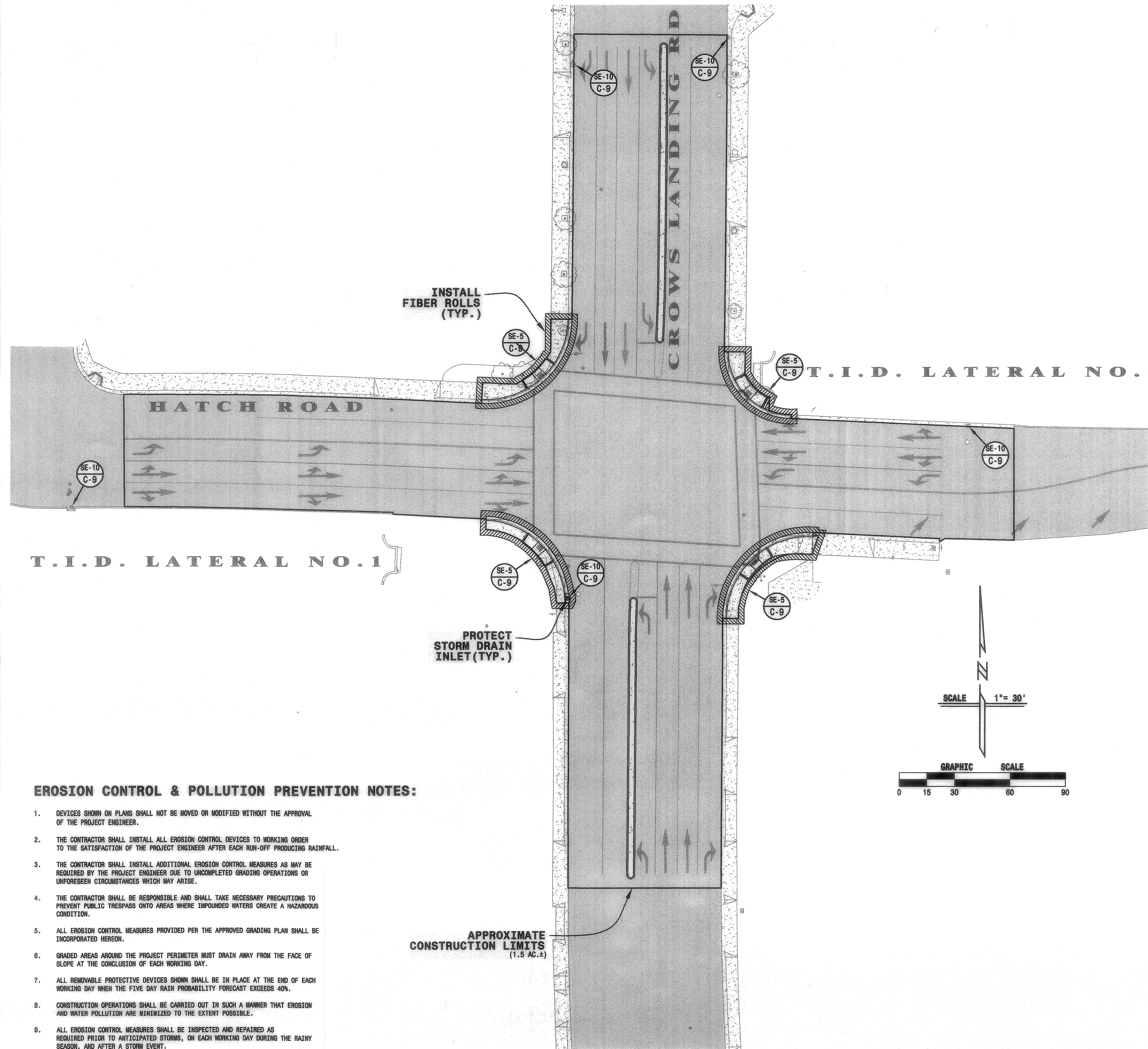
JOB NO.	0905
DATE	JUL 2009
DR BY	SF
CK BY	DJH
SCALE	1"=30'

SHEET NUMBER
C-8
 OF 9 SHEETS



DELAMARE-FULTZ
 ENGINEERING AND SURVEYING
 3421 TULLY ROAD SUITE J MODESTO, CA. 95350
 TELEPHONE (209) 529-7450

RCE No. 53311 (EXP. 06-30-11) *David J. Hoberg* Aug. 27, 2010 DATE

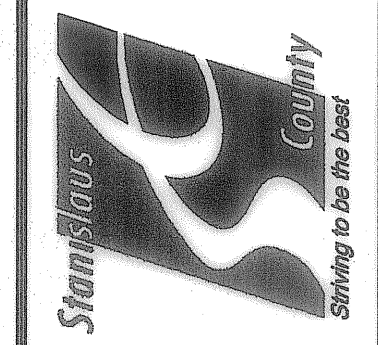


EROSION CONTROL & POLLUTION PREVENTION NOTES:

1. DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE PROJECT ENGINEER.
2. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE PROJECT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
3. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE PROJECT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
5. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
6. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
8. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED TO THE EXTENT POSSIBLE.
9. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AS REQUIRED PRIOR TO ANTICIPATED STORMS, ON EACH WORKING DAY DURING THE RAINY SEASON, AND AFTER A STORM EVENT.
10. PROJECT SCHEDULE:
START CONSTRUCTION - TBD
ANTICIPATED COMPLETION - TBD
11. THIS PLAN MAY NOT COVER ALL SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF THE CITY PROJECT ENGINEER.
12. IF A SPILL, LEAK, BREACH OR MALFUNCTION OF A BMP OCCURS THAT MAY HAVE RELEASED A NON-VISIBLE POLLUTANT, THE CONTRACTOR SHALL CLEANUP THE INCIDENT AND MONITOR BEFORE AND DURING THE NEXT STORM IN ACCORDANCE WITH THE SWPPP. THE CONTRACTOR SHALL DOCUMENT THESE ACTIONS, AND MAKE THE REQUIRED NOTIFICATIONS TO THE OWNER.

NO.	DESCRIPTIONS	DATE	APPROVED

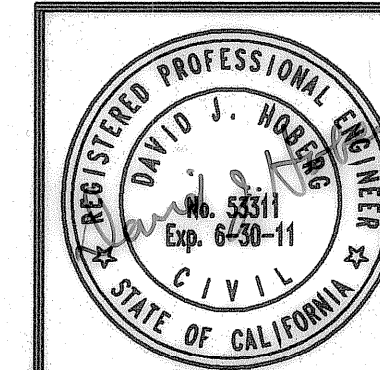
STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358



EROSION CONTROL PLAN
HATCH ROAD AT
CROWS LANDING ROAD
TRAFFIC SIGNAL UPGRADE PROJECT
MODESTO, CALIFORNIA

JOB NO. 0905
DATE: JUL 2009
DR BY: SF
CK BY: DJH
SCALE: 1" = 30'

SHEET NUMBER
C-9
OF 9 SHEETS

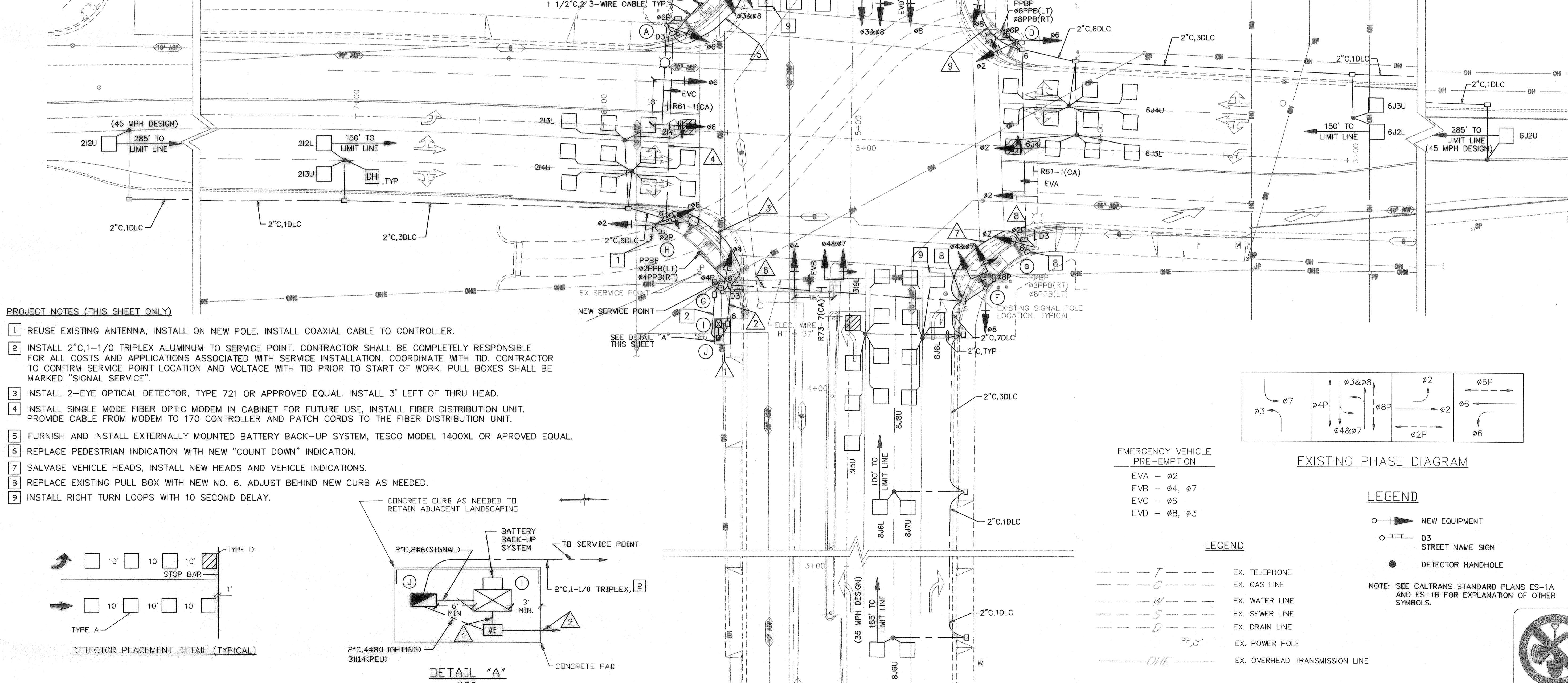


DELAMARE-FULTZ
ENGINEERING AND SURVEYING
3421 TULLY ROAD SUITE J MODESTO, CA. 95350
TELEPHONE (209) 529-7450

RCE No. 53311
(EXP. 06-30-11)
David J. Hoberg
Aug. 27, 2010
DATE

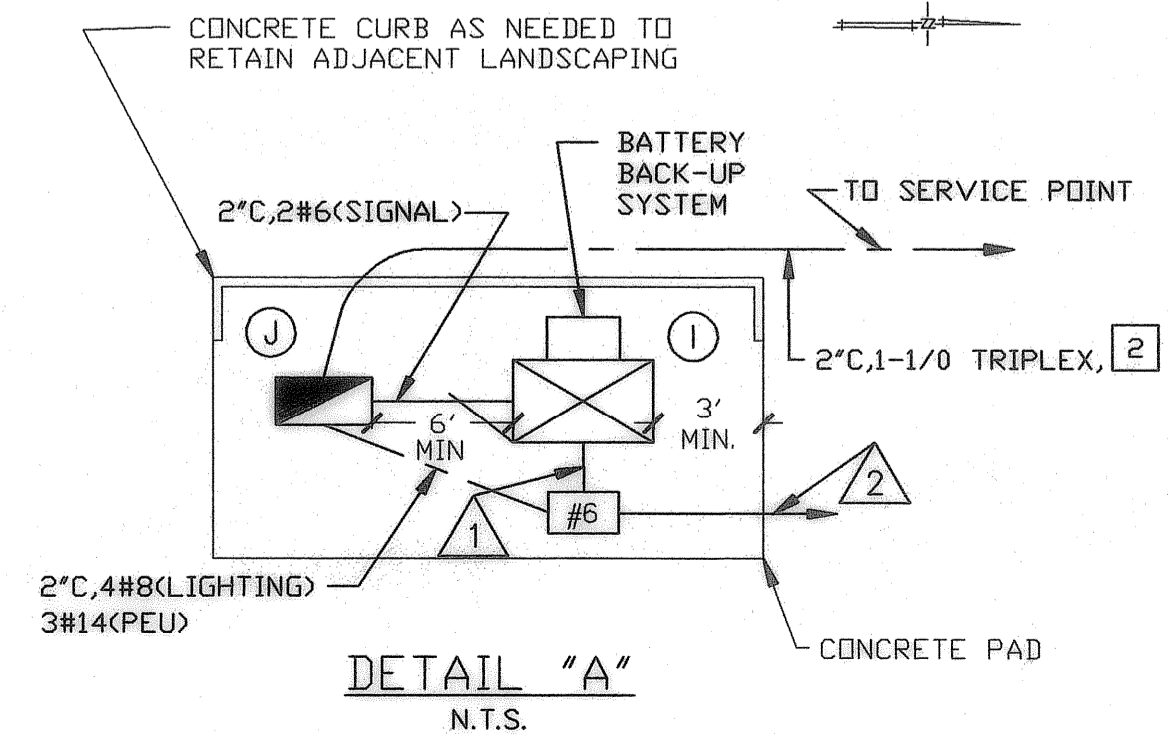
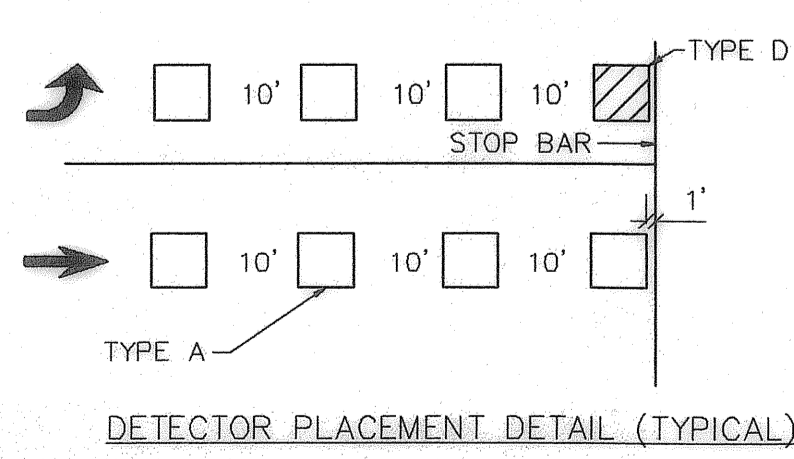
LOCATION	STANDARD TYPE	MAST ARM		VEH. SIGNALS			PED SIGNAL MTG	PPB	LUMINAIRE WATTAGE	NOTES
		SIG	LUM	SEC.	MTG.	MTG.				
(A)	26-4-100	40'	15'	6 6 6	A 12" 12"	MAS MAS SV-1-T	SP-1-T	(1)	200W HPS	INSTALL R61-1 SIGN AND D3 "CROWS LANDING RD" SIGN ON SIGNAL MAST ARM. [3]
(B)	1B			3,8 4	A,12 12"	MODIFIED TV-2-T	SP-1-T	(1)		
(C)	27-4-100	45'		3,8 8 8	A,12 12" 12"	MAS-5A MAS SV-1-T	SP-1-T	(1)		INSTALL R73-7(CA) SIGN AND D3 "HATCH RD" SIGN ON SIGNAL MAST ARM. [3]
(D)	15TS		12'	2 6	A 12"	SV-2-T	SP-1-T	(1)	200W HPS	
(E)	26-4-129 EX	40'	15'	2 2 2	A 12" 12"	MAS MAS SV-1-T	SP-1-T	(1)	200W HPS	INSTALL R61-1 SIGN AND D3 "CROWS LANDING RD" SIGN ON SIGNAL MAST ARM. [3] [6] [7]
(F)	1B			7,4 8	A,12 12"	MODIFIED TV-2-T	SP-1-T	(1)		
(G)	27-4-100	45'		7,4 4 4	A,12 12" 12"	MAS-5A MAS SV-1-T	SP-1-T	(1)		INSTALL R73-7(CA) SIGN AND D3 "HATCH RD" SIGN ON SIGNAL MAST ARM. INSTALL PEU ON TOP OF POLE. [3]
(H)	15TS		12'	6 2	A 12"	SV-2-T	SP-1-T	(1)	200W HPS	[1]
(I)	FURNISH AND INSTALL TYPE 332 CABINET AND PAD, 170E CONTROLLER AND ASSOCIATED EQUIPMENT (SEE DETAIL "A"). DOOR SHALL OPEN TO THE SOUTH. REFER TO STATE STD. PLAN ES-3C FOR FOUNDATION DETAIL. [4] [5]									
(J)	FURNISH AND INSTALL TYPE III-AF SERVICE ENCLOSURE ON PAD (SEE DETAIL "A"). REFER TO STANDARD PLAN ES-2D FOR EQUIPMENT LEGEND AND WIRING DIAGRAM. PROVIDE ITEMS 1-8, 15-17, 20, 22-25.									

- ALL INDICATIONS SHALL BE LED MODULES.
- STREET NAME SIGNS SHALL BE WHITE LETTERS ON GREEN BACKGROUND 10" CAPS, 4" BLOCK NUMBERS, 4" WIDE ARROWS, SERIES "D" TEXT ON DIAMOND VIP SHEETING.
- A : INDICATES 12" ARROW DISPLAY.
- (1): PEDESTRIAN PUSH BUTTONS MOUNTED ON PUSH BUTTON POLE, REFER TO PLAN.
- ALL PEDESTRIAN INDICATIONS SHALL BE THE COUNTDOWN TYPE.

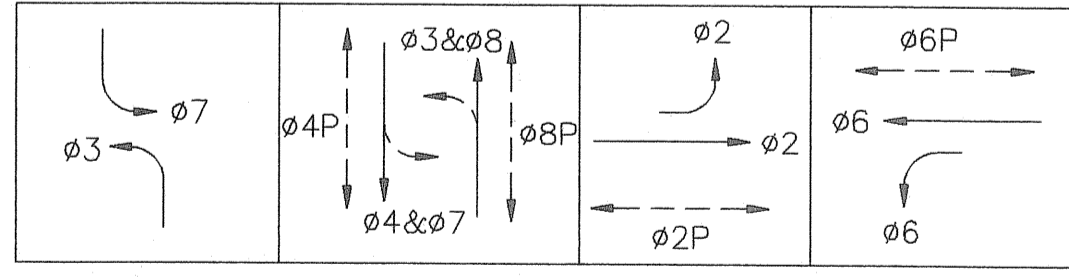


PROJECT NOTES (THIS SHEET ONLY)

- REUSE EXISTING ANTENNA, INSTALL ON NEW POLE. INSTALL COAXIAL CABLE TO CONTROLLER.
- INSTALL 2\"/>



AWG SIZE OR CABLE SIZE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN NUMBER											
			1	2	3	4	5	6	7	8	9			
3-9-12 WIRE CONDUCTOR CABLE	POLE A		2-0-1	2-0-1	2-0-1	2-0-1	2-0-1							
	POLE B		0-0-1	0-0-1	0-0-1	0-0-1	0-0-1							
	POLE C		0-0-1	0-0-1				0-0-1	0-0-1	0-0-1	0-0-1	0-0-1	0-0-1	0-0-1
	POLE D		2-0-1	2-0-1				2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1
	POLE E		0-0-1	0-0-1				0-0-1	0-0-1	0-0-1	0-0-1	0-0-1	0-0-1	0-0-1
	POLE F		2-0-1	2-0-1				2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1
	POLE G		2-0-1	2-0-1				2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1	2-0-1
	POLE H		0-0-1	0-0-1	0-0-1									
TOTAL CABLES #8		STREET LIGHT	8-0-8	8-0-8	2-0-3	2-0-2	0-0-1	4-0-4	2-0-3	2-0-2	0-0-1			
#4		P.E.C.		3										
DLC	1													
	2		6	6	6									
	3		2	2				2						
	4		5	5	5	5								
	5													
	6		6	6				6	6	6				
	7		2	2	2	2	2							
	8		5	5				5						
TOTAL DLC		26	26	13	7	7	13	6	6	0				
ANTENNA CABLE		1	1	1										
EVP CABLE		4	4	1	1	0	2	2	1	1				
MINIMUM CONDUIT SIZE		2-4"	2-4"	4"	4"	3"	4"	4"	3"	3"				
APPROX. % FILL PER CONDUIT		%	%	%	%	%	%	%	%	%				



- EMERGENCY VEHICLE PRE-EMPTION
- EVA - ø2
 - EVB - ø4, ø7
 - EVC - ø6
 - EVD - ø8, ø3

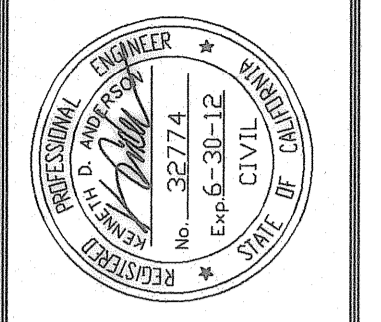
EXISTING PHASE DIAGRAM

LEGEND

- NEW EQUIPMENT
- D3 STREET NAME SIGN
- DETECTOR HANDHOLE

- LEGEND
- T --- EX. TELEPHONE
 - G --- EX. GAS LINE
 - W --- EX. WATER LINE
 - S --- EX. SEWER LINE
 - D --- EX. DRAIN LINE
 - PP --- EX. POWER POLE
 - OHE --- EX. OVERHEAD TRANSMISSION LINE

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.



PREPARED UNDER THE DIRECTION OF:

NO.	REVISIONS	DATE	APPROVED
	DESCRIPTIONS		

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95358



SIGNAL PLAN
 IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD AT HATCH ROAD
TRAFFIC SIGNAL UPGRADE

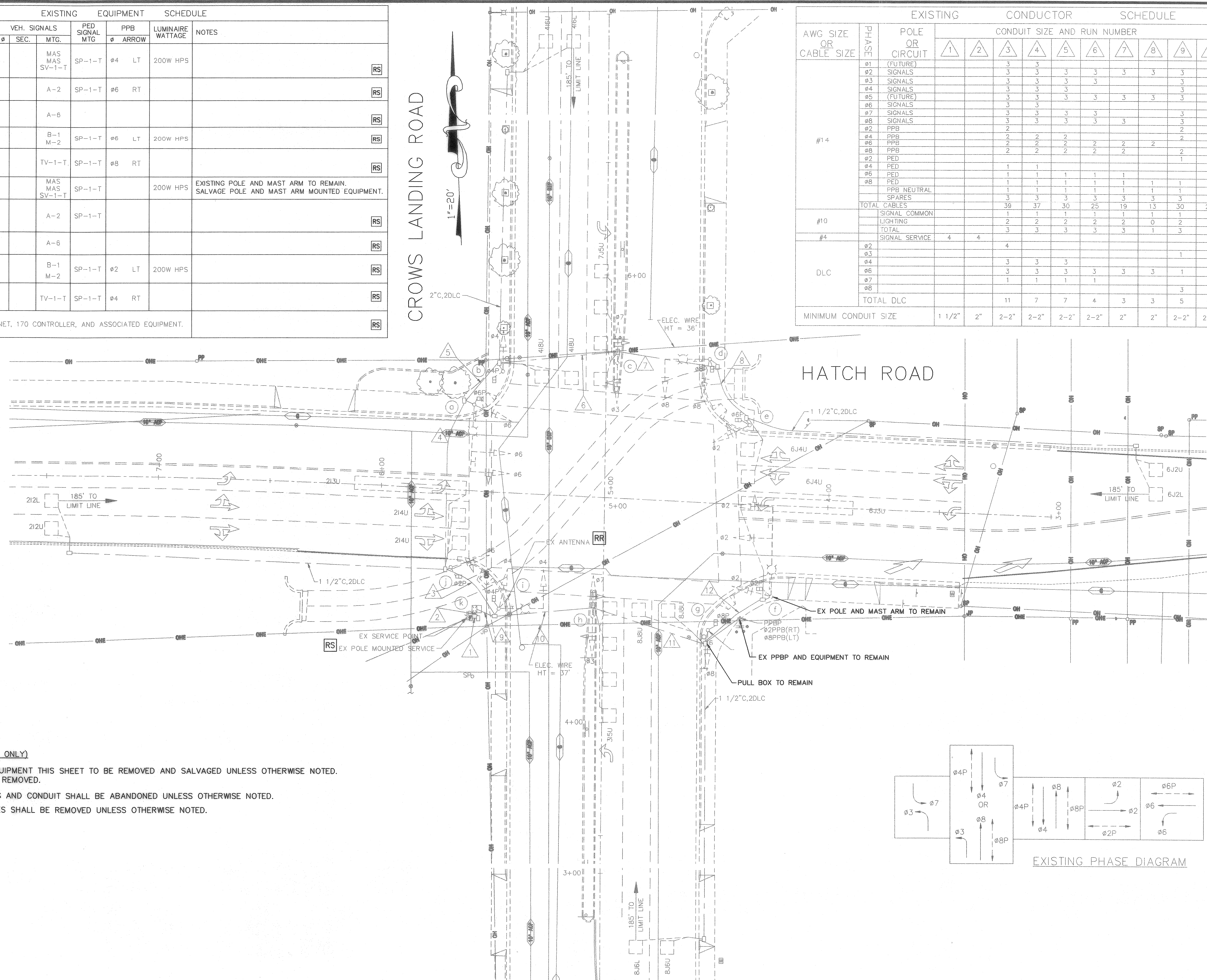
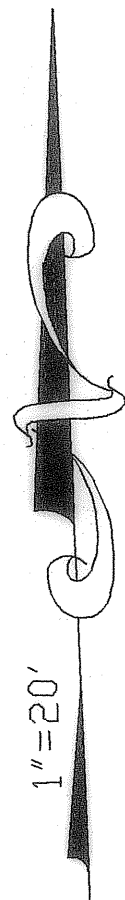
FILE CROWS LANDING/HATCH
 DATE 7/29/10
 DR BY RT
 CK BY MB
 SCALE 1"=20'



SHEET NUMBER
TS-1
 OF 11 SHEETS

LOCATION	STANDARD TYPE	MAST ARM		VEH. SIGNALS		EQUIPMENT		SCHEDULE		NOTES
		SIG	LUM	SEC.	MTG.	PED SIGNAL MTG	PPB	LUMINAIRE WATTAGE		
(a)	19-3-80	30'	12'			MAS MAS SV-1-T	SP-1-T	ø4 LT	200W HPS	RS
(b)	1-A				A-2		SP-1-T	ø6 RT		RS
(c)	1-A				A-6					RS
(d)	XVII	20'	12'		B-1 M-2		SP-1-T	ø6 LT	200W HPS	RS
(e)	1-A				TV-1-T		SP-1-T	ø8 RT		RS
(f)	26-4-129	40'	15'		MAS MAS SV-1-T		SP-1-T		200W HPS	EXISTING POLE AND MAST ARM TO REMAIN. SALVAGE POLE AND MAST ARM MOUNTED EQUIPMENT.
(g)	1-A				A-2		SP-1-T			RS
(h)	1-A				A-6					RS
(i)	XVII	20'			B-1 M-2		SP-1-T	ø2 LT	200W HPS	RS
(j)	1-A				TV-1-T		SP-1-T	ø4 RT		RS
(k)	EXISTING TYPE 332 CABINET, 170 CONTROLLER, AND ASSOCIATED EQUIPMENT.									

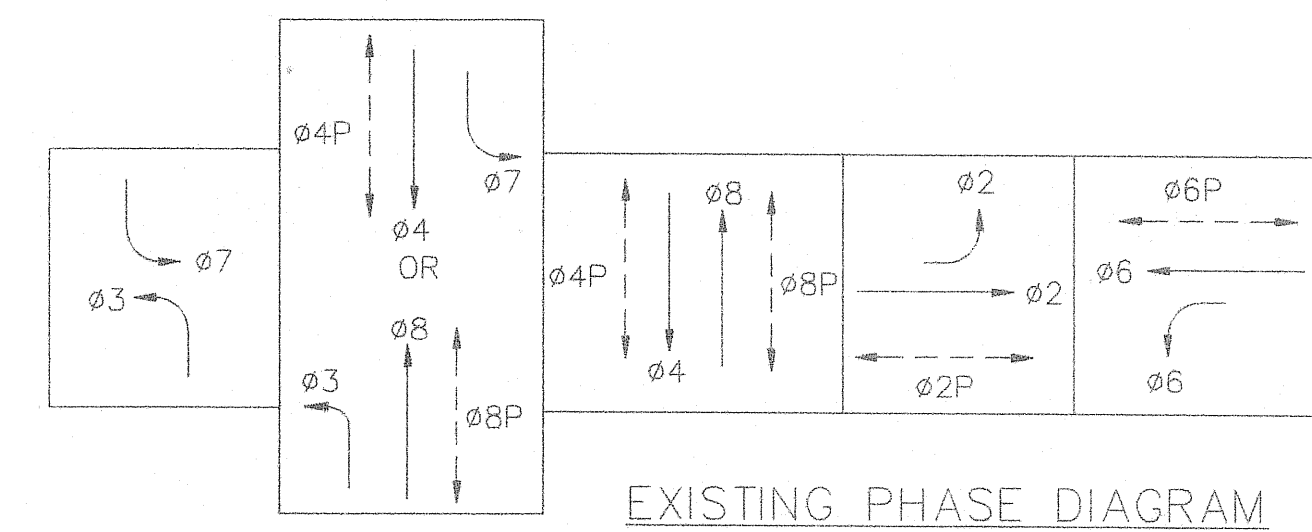
CROWS LANDING ROAD



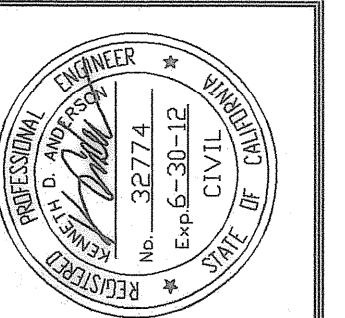
AWG SIZE OR CABLE SIZE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN NUMBER															
			1	2	3	4	5	6	7	8	9	10	11	12				
			SCHEDULE															
#14	ø1 (FUTURE)																	
	ø2 SIGNALS																	
	ø3 SIGNALS																	
	ø4 SIGNALS																	
	ø5 (FUTURE)																	
	ø6 SIGNALS																	
	ø7 SIGNALS																	
	ø8 SIGNALS																	
	ø2 PPB																	
	ø4 PPB																	
	ø6 PPB																	
	ø8 PPB																	
	ø2 PED																	
	ø4 PED																	
	ø6 PED																	
	ø8 PED																	
	PPB NEUTRAL SPARES																	
	TOTAL CABLES		39	37	30	25	19	13	30	25	19	13						
	SIGNAL COMMON LIGHTING		1	1	1	1	1	1	1	1	1	1						
#10	TOTAL		4	4	4	4	4	4	4	4	4	4						
#4	SIGNAL SERVICE		4	4	4	4	4	4	4	4	4	4						
DLC	ø2																	
	ø4																	
	ø6																	
	ø7																	
	ø8																	
	TOTAL DLC		11	7	7	4	3	3	3	5	5	4	1					
MINIMUM CONDUIT SIZE			1 1/2"	2"	2-2"	2-2"	2-2"	2-2"	2"	2"	2-2"	2-2"	2"					

PROJECT NOTES (THIS SHEET ONLY)

- ALL EXISTING SIGNAL EQUIPMENT THIS SHEET TO BE REMOVED AND SALVAGED UNLESS OTHERWISE NOTED. FOUNDATIONS SHALL BE REMOVED.
- ALL EXISTING DETECTORS AND CONDUIT SHALL BE ABANDONED UNLESS OTHERWISE NOTED.
- ALL EXISTING PULL BOXES SHALL BE REMOVED UNLESS OTHERWISE NOTED.



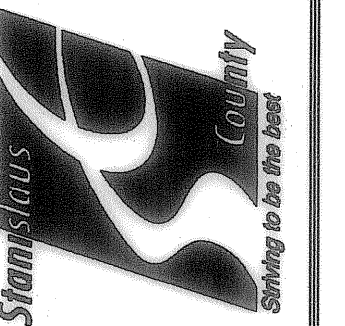
EXISTING PHASE DIAGRAM



PREPARED UNDER THE DIRECTION OF:

NO.	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING AND OPERATIONS DIVISION
 1716 MORGAN ROAD - MODESTO, CA 95358



SIGNAL SALVAGE PLAN
 IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD AT HATCH ROAD
TRAFFIC SIGNAL UPGRADE

FILE CROWS LANDING&HATCH
 DATE 7/29/10
 DR BY RT
 CK BY MB
 SCALE 1"=20'

SHEET NUMBER
TS-2
 OF 11 SHEETS



**DECLARATION OF PUBLICATION
(C.C.P. S2015.5)**

**COUNTY OF STANISLAUS
STATE OF CALIFORNIA**

I am a citizen of the United States and a resident Of the County aforesaid; I am over the age of Eighteen years, and not a party to or interested In the above entitle matter. I am a printer and Principal clerk of the publisher of **THE MODESTO BEE**, printed in the City of **MODESTO**, County of **STANISLAUS**, State of California, daily, for which said newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of **STANISLAUS**, State of California, Under the date of **February 25, 1951, Action No. 46453**; that the notice of which the annexed is a printed copy, has been published in each issue there of on the following dates, to wit:

Mar 07, 2011, Mar 14, 2011, Mar 21, 2011

INVITATION TO CONTRACTORS

"Hatch Road at Crows Landing Road Traffic Signal Upgrade"
Owner is Stanislaus County, Modesto CA; Estimated construction cost for this project is \$463,892.50; Sealed bids are due before 2:00 P.M., April 6, 2011, to the Clerk of the Board of Supervisors, 1010 10th Street, Ste. 6500, Modesto, CA 95354; Project contact is Denis Bazyuk at bazyukd@stancounty.com or Fax No. (209) 541-2509. Work to be accomplished includes signal upgrade and intersection improvements as directed by the Engineer and other such items not mentioned herein that are required by the plans and specifications. Plans and specifications are available for purchase from Modesto Reprographics, Modesto, CA, (209) 544-2400 and can be viewed at www.modestoplanroom.com under "Public Jobs".
Pub Dates Mar. 7, 14 21, 2011

I certify (or declare) under penalty of perjury That the foregoing is true and correct and that This declaration was executed at

MODESTO, California on

March 21st, 2011

(By Electronic Facsimile Signature)

Marie Dieckman