

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

DEPT: Public Works *al*

BOARD AGENDA # *C-2

Urgent Routine

AGENDA DATE February 12, 2008

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Adopt Plans and Specifications for Federal Project No. CML-5938(139) Titled "Sisk Road at Bangs Avenue Traffic Signal" and Set the Bid Opening Date and Time for March 19, 2008, 2:00 P.M.

STAFF RECOMMENDATIONS:

1. Adopt plans and specifications for Federal Project No. CML-5938(139) Titled "Sisk Road at Bangs Avenue Traffic Signal" and set the bid opening date and time for March 19, 2008, 2:00 P.M.
2. Direct the Clerk of the Board to publish notice inviting bids for the project as required by law and set March 19, 2008, prior to 2:00 P.M., as the deadline for submission of bids.
3. Direct the Auditor/Controller to make the necessary budget adjustments per the financial transaction sheet.

(Continued on Page 2)

FISCAL IMPACT:

The total anticipated cost for this project is \$250,680. The project is funded 88.53% from Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds and 11.47% from Public Works funds. The Department anticipates using fund balance to provide the local match portion. At this time, \$5,000 is required for reproduction costs, advertisement costs and other agency costs associated with the bid process.

BOARD ACTION AS FOLLOWS:

No. 2008-107

On motion of Supervisor Grover, Seconded by Supervisor DeMartini
 and approved by the following vote,
 Ayes: Supervisors: O'Brien, Grover, Monteith, DeMartini, and Chairman Mayfield
 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

 CHRISTINE FERRARO TALLMAN, Clerk

ATTEST:

File No.

Approval to Adopt Plans and Specifications for Federal Project No. CML-5938(139) Titled "Sisk Road at Bangs Avenue Traffic Signal" and Set the Bid Opening Date and Time for March 19, 2008, 2:00 P.M.

4. Direct the Public Works Department staff to mail the notice inviting bids to trade journals as required by law.

DISCUSSION:

This project consists of the installation of traffic signals at the intersection of Sisk Road and Bangs Avenue. This intersection is currently a three-legged intersection with a stop sign on Bangs Avenue. Improvements are needed to accommodate additional traffic related to general growth in the region.

On October 3, 2006, the Board of Supervisors awarded a consulting engineering contract to Associated Engineering Group, Inc. for the design of the Sisk Road at Bangs Avenue Traffic Signal project. Upon Board approval, the Department of Public Works entered into a contract with Associated Engineering to provide professional engineering services for the signalization of Sisk Road at Bangs Avenue.

Associated Engineering has completed the design for this project.

This project is exempt from the California Environmental Quality Act (CEQA) under Title 14, Section 15301 (Existing Facilities) of the California Code of Regulations.

The project is anticipated to begin construction on April 28, 2008 and end June 9, 2008.

POLICY ISSUES:

The Board should consider if the recommended actions are consistent with its priorities of providing a safe community, a healthy community and a well-planned infrastructure system.

STAFFING IMPACT:

County staff will be used to oversee construction administration and inspection. No additional staff is needed at this time.

PS:la L:\ROADS\9435 - Sisk Rd at Bangs Ave\Design Division\Board Items\Adopt & Bid.doc

**ATTACHMENTS AVAILABLE
FROM YOUR CLERK**

**AUDITOR-CONTROLLER
BUDGET JOURNAL**



Balance Type	Budget
Category	Budget - Upload
Source	
Currency	USD
Budget Name	LEGAL BUDGET
Batch Name	
Journal Name	
Journal description	Sisk Rd @ Bangs Ave Traffic Signal
Period	JUL-07 to JUN-08
Organization	Stanislaus Budget Org
	BO#

Line	Coding Structure							Debit		Credit		Description
	Fund 4	Org 7	Account 5	G/L Proj 7	Loc 6	Misc 6		incr appropriations decr est revenue	decr appropriations incr est revenue			
1	1102	40310	63280	9435	0	0	0	5,000.00				
2	1102	40310	63280	0	0	0	0		5,000.00			
3							0					
4							0					
5							0					
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22							0					
23							0					
24							0					
25							0					
Totals								5,000.00	5,000.00			

Sisk Rd @ Bangs Ave Traffic Signal
Adopt Plans and Specifications

Requesting Department		CEO		Auditors Office Only	
Sharon Andrews					
Signature		Signature		Prepared By	Admin Approval (\$75K+)
1/29/08		1/30/08		1/30/08	
Date		Date		Date	Date

Contact Person & Phone Number

INVITATION TO CONTRACTORS

“Sisk Road at Bangs Avenue Traffic Signal Project
Federal Aid No. CML5938(139)”

Owner is Stanislaus County, Modesto CA; Engineer’s Estimate is between \$200,000 and \$250,000; Sealed bids are due before 2:00 P.M., March 19, 2008, to the Clerk of the Board of Supervisors, 1010 10th Street, Ste. 6500, Modesto, CA 95354; Project contact is Robert Meleg, melegr@stancounty.com. or Fax: 209-525-4183. Work to be accomplished includes installation of traffic signals at the intersection of Sisk Road and Bangs Avenue, and other such items not mentioned herein that are required by the plans and specifications. Plans and specifications are available for purchase from Stockton Blue, Modesto CA, 209-524-2924 and can be viewed at www.stocktonblue.com under “Public Plan Room”.

**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:

FEBRUARY 19, 2008

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

FEBRUARY 19, 2008


(Signature)

INVITATION TO CONTRACTORS

**"Sisk Road at Bangs Avenue Traffic Signal Project
Federal Aid No. CML5938(139)"**

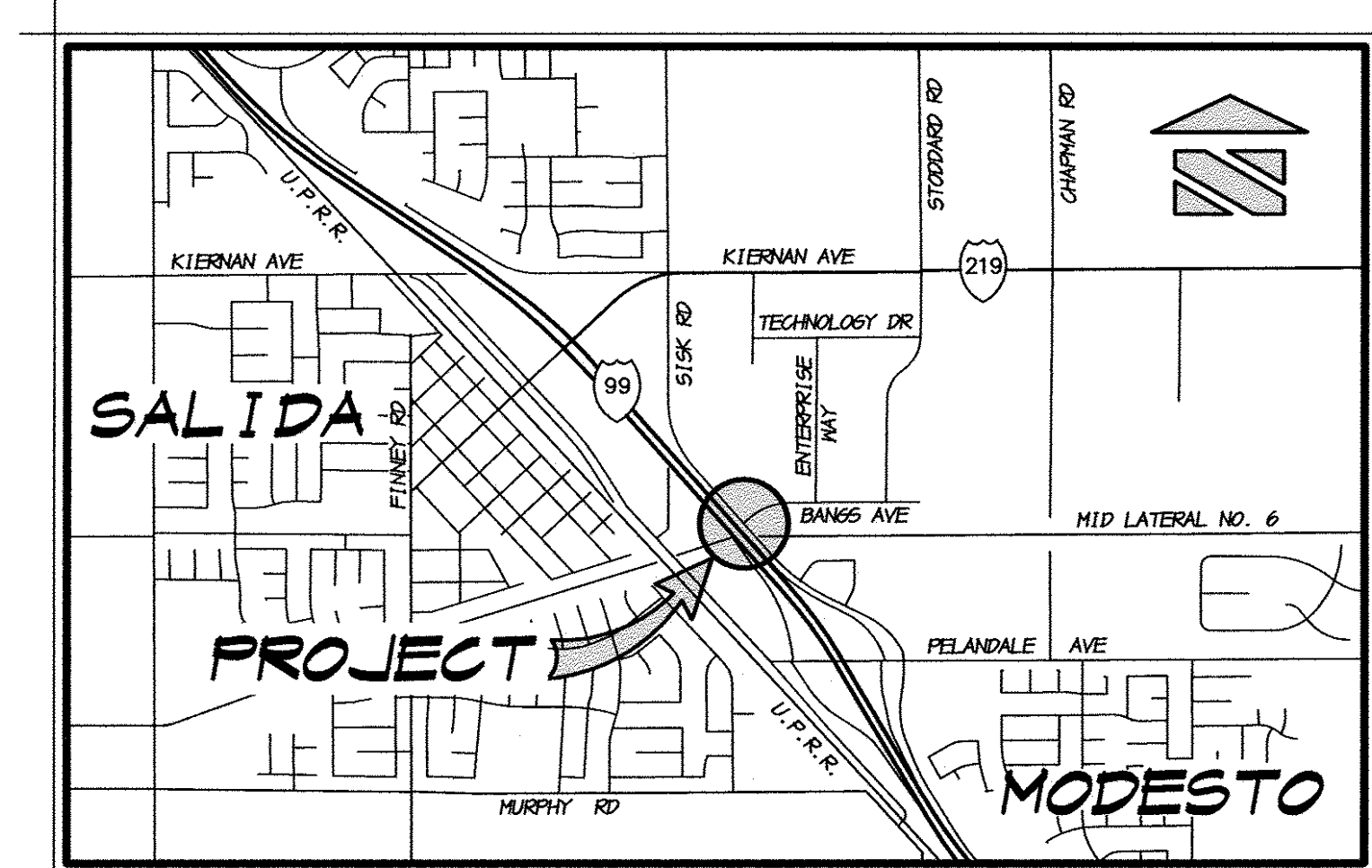
Owner is Stanislaus County, Modesto CA; Engineer's Estimate is between \$200,000 and \$250,000; Sealed bids are due before 2:00 P.M., March 19, 2008, to the Clerk of the Board of Supervisors, 1010 10th Street, Ste. 6500, Modesto, CA 95354; Project contact is Robert Meleg, melegr@stancounty.com, or Fax: 209-525-4183. Work to be accomplished includes installation of traffic signals at the intersection of Sisk Road and Bangs Avenue, and other such items not mentioned herein that are required by the plans and specifications. Plans and specifications are available for purchase from Stockton Blue, Modesto CA, 209-524-2924 and can be viewed at www.stocktonblue.com under "Public Plan Room".
FEBRUARY 19, 2008

STREET IMPROVEMENT PLANS FOR TRAFFIC SIGNAL PROJECT SISK ROAD AT BANGS AVENUE STANISLAUS COUNTY, CALIFORNIA

CML-5938 (139)
PROJECT NO. 9435

UTILITY CONTACTS

- STORM DRAINAGE ~ STANISLAUS COUNTY PUBLIC WORKS
ATTN.: PAUL SAINI PH. (209) 525-7506
- SANITARY SEWER ~ SALIDA SANITARY SEWER DIST.
ATTN.: LINDA WALKER PH. (209) 545-4987
- DOMESTIC WATER ~ CITY OF MODESTO
ATTN.: DAVE SAVIDGE PH. (209) 342-2206
- ELECTRIC ~ MODESTO IRRIGATION DISTRICT
ATTN.: DESI MORENO PH. (209) 526-7438
- GAS ~ PACIFIC GAS AND ELECTRIC COMPANY
ATTN.: JIM NIROMEK PH. (209) 576-6648
- TELEPHONE ~ SBC
ATTN.: BRIDGETTE FAUBERT PH. (209) 578-7185
- CABLE TELEVISION ~ COMCAST CABLE
ATTN.: GREG WILLIAMS PH. (209) 955-6543
- IRRIGATION ~ MODESTO IRRIGATION DISTRICT
ATTN.: DAVE COLBY PH. (209) 526-7567



VICINITY MAP
NO SCALE

CLIENT CONTACT

MR. MICHAEL S. LUEVANO
ASSISTANT ENGINEER
DESIGN SECTION ~ ENGINEERING DIVISION
STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
1716 MORGAN ROAD
MODESTO, CALIFORNIA 95358
PH.: (209) 567-4881
FAX: (209) 525-4188

SHEET INDEX

SHEET	DESCRIPTION
1	VICINITY MAP & INDEX
2	EXISTING TOPOGRAPHY
3	STRIPING PLAN
4	EROSION CONTROL PLAN
5	EROSION CONTROL DETAILS
TS-1	TRAFFIC SIGNAL PLAN
TS-2	TRAFFIC SIGNAL INSTALLATION GENERAL NOTES AND DETAILS

APPROVED BY STANISLAUS COUNTY, CALIF.

DATE: 1/29/2007

BY: Steve Erickson
STEVE ERICKSON ~ ROAD COMMISSIONER

CALL USA TOLL FREE
800-227-2600

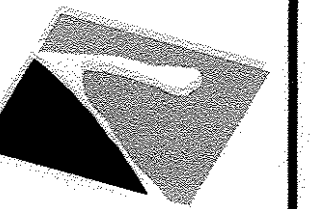
BEFORE PLANTING TREES, TRENCHING,
DIGGING FENCE POST HOLES, BLASTING,
GRADING, EXCAVATING, DRILLING, PIPE
PUSHING, ETC., CALL UNDERGROUND
SERVICE ALERT FOR UNDERGROUND
CLEARANCE.

USA WILL PROVIDE INFORMATION ABOUT,
OR LOCATE AND MARK UNDERGROUND
FACILITIES FOR YOU.

BENCHMARK

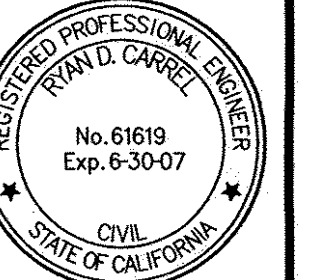
1 1/2" BRASS DISK SET IN ELECTROLIER
FOUNDATION AT THE INTERSECTION OF
TECHNOLOGY DRIVE & ENTERPRISE WAY
ELEVATION: 70.77 (US66 DATUM)

**ASSOCIATED
ENGINEERING, INC.**
 Surveying • Design • Planning
 4206 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



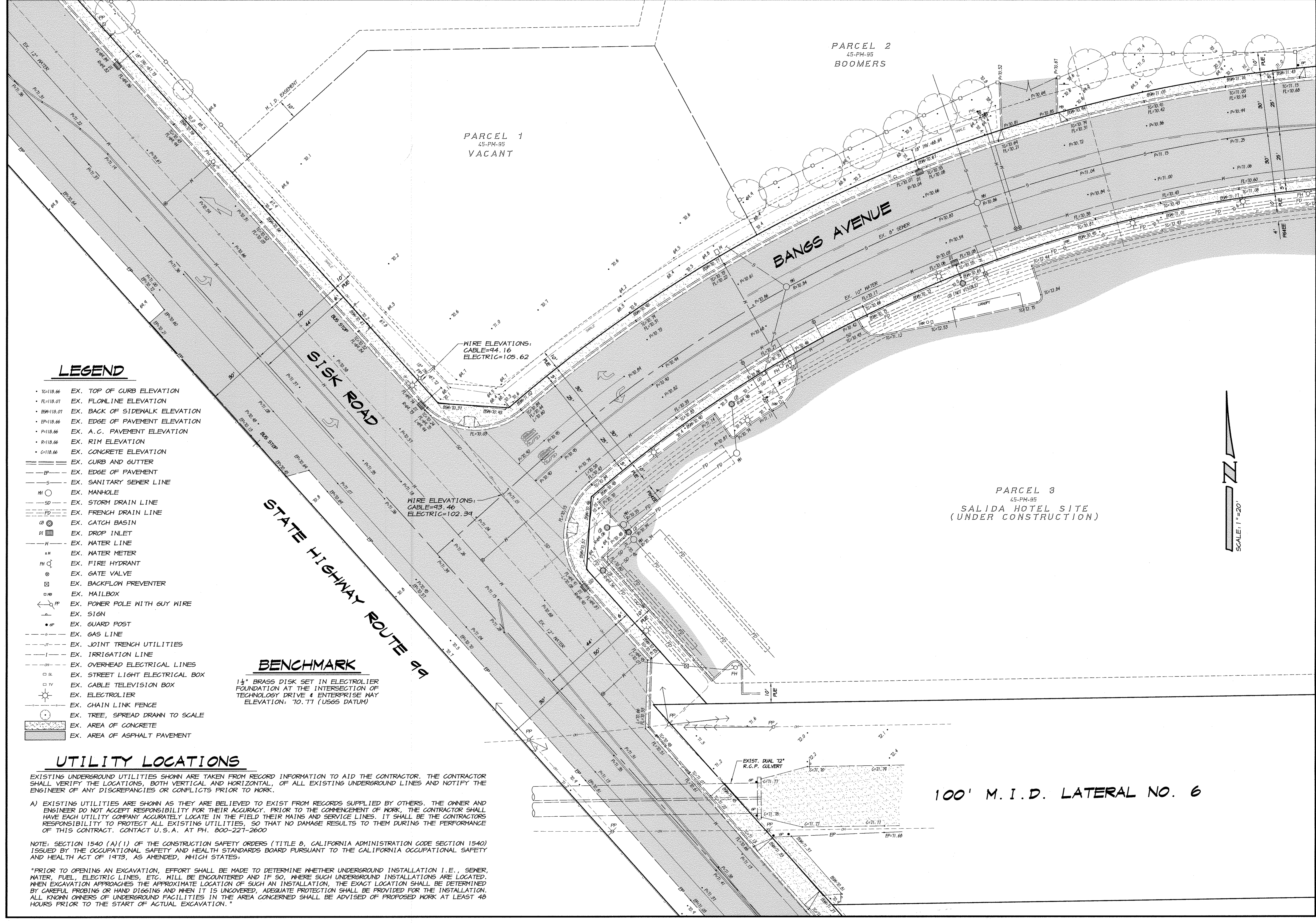
VICINITY MAP & INDEX
TRAFFIC SIGNAL PROJECT
SISK ROAD AT BANGS AVENUE
 STANISLAUS COUNTY
 CALIFORNIA

RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126



DRAWN BY: KEVIN
 DATE: JAN. 8, 2007
 SCALE: NONE
 DWG: 536-COVER
 CHECKED: R. D. C.
 JOB #: 536-06

SHEET
1
 OF
7



REVISION	DATE	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
Surveying • Design • Planning
4206 TECHNOLOGY DRIVE
MODESTO, CALIFORNIA 95356
PH: (209) 945-3590 FAX: (209) 945-3875

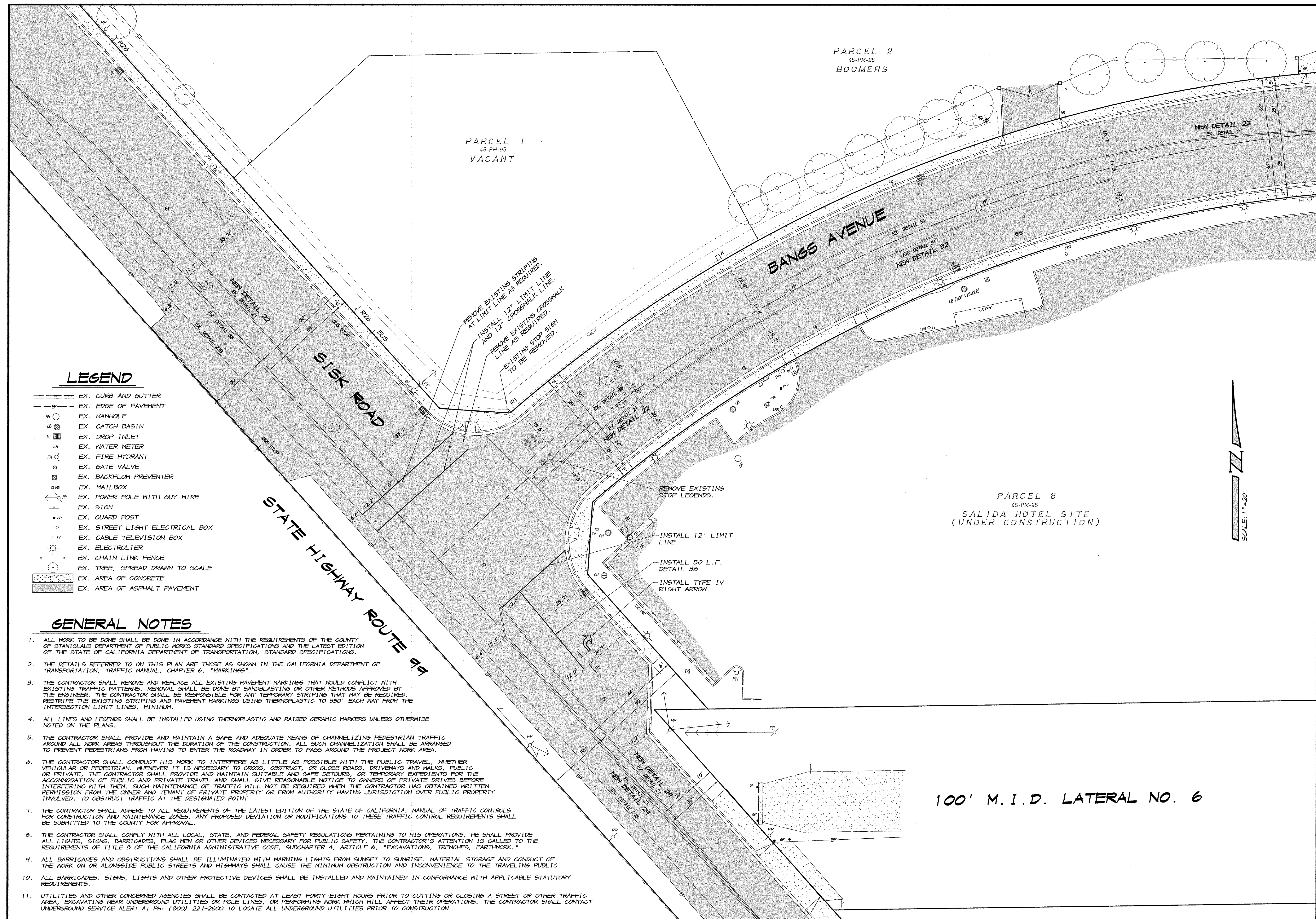
EXISTING TOPOGRAPHY
TRAFFIC SIGNAL PROJECT
SISK ROAD AT BANGS AVENUE
STANISLAUS COUNTY CALIFORNIA

PCamel
RYAN CARREL, R.C.E. 01619
DAVE SKIDMORE, L.S. 7126

REGISTERED PROFESSIONAL ENGINEER
RYAN D. CARREL
No. 61619
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

DRAWN BY: KEVIN
DATE: JAN. 8, 2007
SCALE: 1" = 20'
DWG: 536-TOPO
CHECKED: R.D.C.
JOB #: 536-06

SHEET
OF
2
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PARCEL 2
45-PH-95
BOOMERS

PARCEL 1
45-PH-95
VACANT

PARCEL 3
45-PH-95
SALIDA HOTEL SITE
(UNDER CONSTRUCTION)

LEGEND

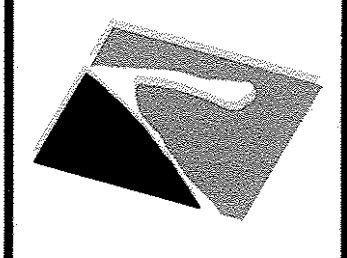
- EX. CURB AND GUTTER
- EP — EX. EDGE OF PAVEMENT
- ⊙ EX. MANHOLE
- ⊙ EX. CATCH BASIN
- ⊙ EX. DROP INLET
- ⊙ EX. WATER METER
- ⊙ EX. FIRE HYDRANT
- ⊙ EX. GATE VALVE
- ⊙ EX. BACKFLOW PREVENTER
- ⊙ EX. MAILBOX
- ⊙ EX. POWER POLE WITH GUY WIRE
- ⊙ EX. SIGN
- ⊙ EX. GUARD POST
- ⊙ EX. STREET LIGHT ELECTRICAL BOX
- ⊙ EX. CABLE TELEVISION BOX
- ⊙ EX. ELECTROLIER
- ⊙ EX. CHAIN LINK FENCE
- ⊙ EX. TREE, SPREAD DRAWN TO SCALE
- EX. AREA OF CONCRETE
- EX. AREA OF ASPHALT PAVEMENT

GENERAL NOTES

1. ALL WORK TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY OF STANISLAUS DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS.
2. THE DETAILS REFERRED TO ON THIS PLAN ARE THOSE AS SHOWN IN THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, TRAFFIC MANUAL, CHAPTER 6, "MARKINGS".
3. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING PAVEMENT MARKINGS THAT WOULD CONFLICT WITH EXISTING TRAFFIC PATTERNS. REMOVAL SHALL BE DONE BY SANDBLASTING OR OTHER METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY STRIPING THAT MAY BE REQUIRED. RESTRIPE THE EXISTING STRIPING AND PAVEMENT MARKINGS USING THERMOPLASTIC TO 350' EACH WAY FROM THE INTERSECTION LIMIT LINES, MINIMUM.
4. ALL LINES AND LEGENDS SHALL BE INSTALLED USING THERMOPLASTIC AND RAISED CERAMIC MARKERS UNLESS OTHERWISE NOTED ON THE PLANS.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE DURATION OF THE CONSTRUCTION. ALL SUCH CHANNELIZATION SHALL BE ARRANGED TO PREVENT PEDESTRIANS FROM HAVING TO ENTER THE ROADWAY IN ORDER TO PASS AROUND THE PROJECT WORK AREA.
6. THE CONTRACTOR SHALL CONDUCT HIS WORK TO INTERFERE AS LITTLE AS POSSIBLE WITH THE PUBLIC TRAVEL, WHETHER VEHICULAR OR PEDESTRIAN. WHENEVER IT IS NECESSARY TO CROSS, OBSTRUCT, OR CLOSE ROADS, DRIVENAYS AND WALKS, PUBLIC OR PRIVATE, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE AND SAFE DETOURS, OR TEMPORARY EXPEDIENTS FOR THE ACCOMMODATION OF PUBLIC AND PRIVATE TRAVEL AND SHALL GIVE REASONABLE NOTICE TO OWNERS OF PRIVATE DRIVES BEFORE INTERFERING WITH THEM. SUCH MAINTENANCE OF TRAFFIC WILL NOT BE REQUIRED WHEN THE CONTRACTOR HAS OBTAINED WRITTEN PERMISSION FROM THE OWNER AND TENANT OF PRIVATE PROPERTY OR FROM AUTHORITY HAVING JURISDICTION OVER PUBLIC PROPERTY INVOLVED, TO OBSTRUCT TRAFFIC AT THE DESIGNATED POINT.
7. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF CALIFORNIA, MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE ZONES. ANY PROPOSED DEVIATION OR MODIFICATIONS TO THESE TRAFFIC CONTROL REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY FOR APPROVAL.
8. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS PERTAINING TO HIS OPERATIONS. HE SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE REQUIREMENTS OF TITLE 8 OF THE CALIFORNIA ADMINISTRATIVE CODE, SUBCHAPTER 4, ARTICLE 6, "EXCAVATIONS, TRENCHES, EARTHWORK."
9. ALL BARRICADES AND OBSTRUCTIONS SHALL BE ILLUMINATED WITH WARNING LIGHTS FROM SUNSET TO SUNRISE. MATERIAL STORAGE AND CONDUCT OF THE WORK ON OR ALONGSIDE PUBLIC STREETS AND HIGHWAYS SHALL CAUSE THE MINIMUM OBSTRUCTION AND INCONVENIENCE TO THE TRAVELING PUBLIC.
10. ALL BARRICADES, SIGNS, LIGHTS AND OTHER PROTECTIVE DEVICES SHALL BE INSTALLED AND MAINTAINED IN CONFORMANCE WITH APPLICABLE STATUTORY REQUIREMENTS.
11. UTILITIES AND OTHER CONCERNED AGENCIES SHALL BE CONTACTED AT LEAST FORTY-EIGHT HOURS PRIOR TO CUTTING OR CLOSING A STREET OR OTHER TRAFFIC AREA, EXCAVATING NEAR UNDERGROUND UTILITIES OR POLE LINES, OR PERFORMING WORK WHICH WILL AFFECT THEIR OPERATIONS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT PH: (800) 221-2600 TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

REVISION	DATE	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
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 4206 TECHNOLOGY DRIVE
 MODesto, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



STRIPING PLAN
 TRAFFIC SIGNAL PROJECT
SISK ROAD AT BANGS AVENUE
 STANISLAUS COUNTY CALIFORNIA

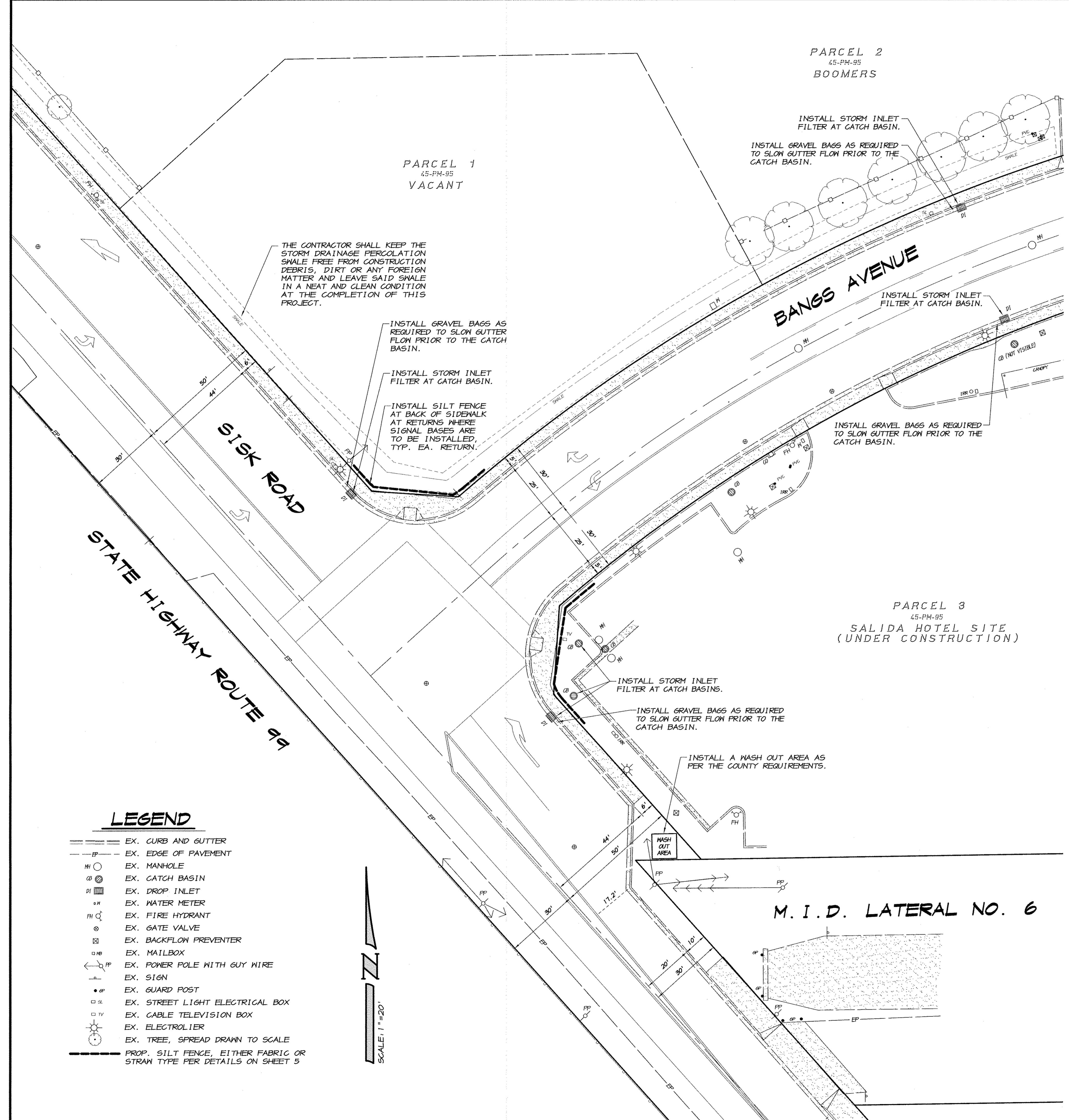
AD Comel
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126



DRAWN BY: KEVIN
 DATE: JAN. 8, 2007
 SCALE: 1"=20'
 DWG: 536-STRIP
 CHECKED: R. D. C.
 JOB #: 536-06

SHEET
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100' M.I.D. LATERAL NO. 6

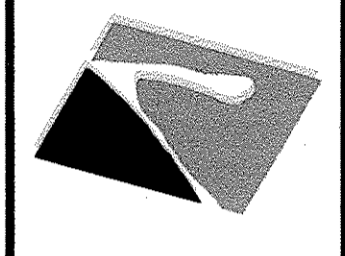


EROSION CONTROL NOTES

- ALL WORK TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF STANISLAUS STANDARDS AND THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPs) MANUAL.
 - THIS EROSION CONTROL PLAN WAS PREPARED AS AN EXHIBIT TO THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.) FOR THE STREET IMPROVEMENT PLANS FOR TRAFFIC SIGNAL PROJECT AT SISK ROAD AND BANGS AVENUE, AS REQUIRED BY THE STATE WATER RESOURCES CONTROL BOARD. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL SEDIMENT DURING THE RAINY SEASON. EROSION CONTROL MEASURES ARE TO BE OPERABLE PRIOR TO OCTOBER 1ST THROUGH APRIL 15TH OF ANY YEAR THAT GRADING OPERATIONS HAVE LEFT AREAS UNPROTECTED FROM EROSION. NO GRADING WILL OCCUR BETWEEN OCTOBER 15TH AND APRIL 1ST, UNLESS AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
 - THE AREA OF THIS PROJECT IS 0.15 ACRES.
 - DURING THE RAINY SEASON ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
 - ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. REVISIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
 - BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE COMPLIED WITH.
- #### SILT FENCES
- IF POSSIBLE, SILT FENCE FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER FABRIC SHALL BE SPLICED AT A SUPPORT POST, WITH A MINIMUM OF 6" OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.
 - SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 - FILTER FABRIC SHALL BE NO. 2125 AS MANUFACTURED BY AMOCO CONSTRUCTION FABRICS, OR APPROVED EQUAL.
- #### WASH OUT AREA
- TEMPORARY CONCRETE WASH OUT AREAS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES OR WATERCOURSES. TEMPORARY CONCRETE WASHOUT AREAS SHALL BE CONSTRUCTED WITH A PIT OR BERMED AREA AND BE MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. WASH OUT AREAS SHALL BE CONSTRUCTED WITH A 10 FOOT MINIMUM WIDTH.
 - ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED, AND DISPOSED OF PER BMP WM-5, "SOLID WASTE MANAGEMENT", AND IN CONFORMANCE WITH THE PROVISIONS IN THE STATE STANDARD SPECIFICATIONS, SECTION 15-3.02, "REMOVAL METHODS". DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.
 - TEMPORARY WASH OUT AREAS SHALL BE LINED WITH POLYETHYLENE PLASTIC LINING MATERIAL THAT IS A MINIMUM OF 60 MIL THICKNESS, FREE FROM HOLES, TEARS OR OTHER DEFECTS THAT WOULD COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
 - WHEN TEMPORARY WASH OUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF AS NOTED ABOVE. MATERIALS USED TO CONSTRUCT TEMPORARY WASH OUT FACILITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN ACCORDANCE WITH STATE STANDARD SPECIFICATIONS, SECTION 7-1.13.
- #### NOTICE OF INTENT
- THE STATE WATER RESOURCES CONTROL BOARD HAS RECEIVED AND PROCESSED THE NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED CONSTRUCTION ACTIVITY. THE WID IDENTIFICATION NUMBER IS _____, FOR ANY COMMUNICATIONS REGARDING THIS PERMIT.
- #### FUGITIVE DUST CONTROL
- REQUIREMENTS FOR SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT AS OF OCTOBER 2004 ARE AS FOLLOWS:
- REGULATION VIII, FUGITIVE PM10 PROHIBITIONS, OF THE DISTRICT'S RULES AND REGULATIONS APPLY TO ACTIVITIES THAT GENERATE FUGITIVE DUST. FUGITIVE DUST IS EMITTED INTO THE AIR BY ACTIVITIES THAT DISTURB THE SOIL, SUCH AS FROM EARTHMOVING ACTIVITIES AND VEHICULAR/EQUIPMENT TRAFFIC ON UNPAVED SURFACES. WINDBLOWN DUST IS ALSO OF CONCERN AT CONSTRUCTION SITES. THE DISTRICT ADOPTED REGULATION VIII IN 1993 AND ITS MOST RECENT AMENDMENTS BECAME EFFECTIVE ON OCTOBER 1, 2004. THIS IS A BASIC SUMMARY OF THE REGULATION'S REQUIREMENTS AS THEY APPLY TO CONSTRUCTION SITES.
 - VISIBLE DUST EMISSIONS (VDE) MAY NOT EXCEED 20% OPACITY DURING PERIODS WHEN SOIL IS BEING DISTURBED BY EQUIPMENT OR BY THE WIND AT ANY TIME. VISIBLE DUST EMISSIONS OF 20% MEANS DUST THAT WOULD OBSTRUCT AN OBSERVER'S VIEW OF AN OBJECT BY 20%. DISTRICT INSPECTORS ARE STATE CERTIFIED TO EVALUATE VISIBLE EMISSIONS. DUST CONTROL MAY BE ACHIEVED BY APPLYING WATER BEFORE/DURING EARTHWORK AND ONTO UNPAVED TRAFFIC AREAS, PHASING WORK TO LIMIT DUST, AND SETTING UP WIND FENCES TO LIMIT WIND BLOWN DUST.
 - SOIL STABILIZATION IS REQUIRED AT REGULATED CONSTRUCTION SITES AFTER NORMAL WORKING HOURS AND ON WEEKENDS AND HOLIDAYS. THIS REQUIREMENT ALSO APPLIES TO INACTIVE CONSTRUCTION AREAS SUCH AS PHASED PROJECTS WHERE DISTURBED LAND IS LEFT UNATTENDED. APPLYING WATER TO FORM A VISIBLE CRUST ON THE SOIL AND RESTRICTING VEHICLE ACCESS ARE OFTEN EFFECTIVE FOR SHORT-TERM STABILIZATION OF DISTURBED SURFACE AREAS. LONG-TERM METHODS INCLUDING APPLYING DUST SUPPRESSANTS AND ESTABLISHING VEGETATIVE COVER.
 - STORAGE PILES AND BULK MATERIALS HAVE HANDLING, STORAGE, AND TRANSPORTATION REQUIREMENTS THAT INCLUDE APPLYING WATER WHEN HANDLING MATERIALS, WETTING OR COVERING STORED MATERIALS, AND INSTALLING WIND BARRIERS TO LIMIT VDE. ALSO, LIMITING VEHICLE SPEEDS, LOADING HAUL TRUCKS WITH A FREEBOARD OF SIX INCHES OR GREATER ALONG WITH APPLYING WATER TO THE TOP OF THE LOAD, AND COVERING THE CARGO COMPARTMENTS ARE EFFECTIVE MEASURES FOR REDUCING VDE AND CARRYOUT FROM VEHICLES TRANSPORTING BULK MATERIALS.
 - NOTIFICATION BY OWNERS OR OPERATORS OF CONSTRUCTION PROJECTS THAT ARE AT LEAST ONE ACRE IN SIZE AND WHERE A DUST CONTROL PLAN IS NOT REQUIRED, MUST PROVIDE WRITTEN NOTIFICATION TO THE DISTRICT AT LEAST 48 HOURS IN ADVANCE OF ANY EARTHMOVING ACTIVITY.
 - RECORD KEEPING IS REQUIRED TO DOCUMENT COMPLIANCE WITH THE RULES AND MUST BE KEPT FOR EACH DAY ANY DUST CONTROL MEASURE IS USED. THE DISTRICT HAS DEVELOPED RECORD FORMS FOR WATER APPLICATION, STREET SWEEPING, AND "PERMANENT" CONTROLS SUCH AS APPLYING LONG TERM DUST PALLIATIVES, VEGETATION, GROUND COVER MATERIALS, PAVING, OR OTHER DURABLE MATERIALS. RECORDS MUST BE KEPT FOR ONE YEAR AFTER THE END OF DUST GENERATING ACTIVITIES (TITLE V SOURCES MUST KEEP RECORDS FOR FIVE YEARS).
 - NUISANCES ARE PROHIBITED AT ALL TIMES BECAUSE DISTRICT RULE 4102 - NUISANCE APPLIES TO ALL CONSTRUCTION SOURCES OF FUGITIVE DUST, WHETHER OR NOT THEY ARE EXEMPT FROM REGULATION VIII. IT IS IMPORTANT TO MONITOR DUST GENERATING ACTIVITIES AND IMPLEMENT APPROPRIATE DUST CONTROL MEASURES TO LIMIT THE PUBLIC'S EXPOSURE TO FUGITIVE DUST.
 - FOR MORE INFORMATION PLEASE CONTACT THE COMPLIANCE DIVISION OF THE DISTRICT OFFICE NEAREST TO YOU. INFORMATION ON REGULATION VIII, WHERE YOU MAY OBTAIN COPIES OF RECORD KEEPING FORMS, THE DUST CONTROL PLAN TEMPLATE, AND THE CONSTRUCTION NOTIFICATION FORM, IS AVAILABLE ON THE DISTRICT'S WEBSITE AT WWW.VALLEYAIR.ORG.

NO.	DATE	REVISION	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
 Surveying • Design • Planning
 4206 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 945-3390 FAX: (209) 945-3875



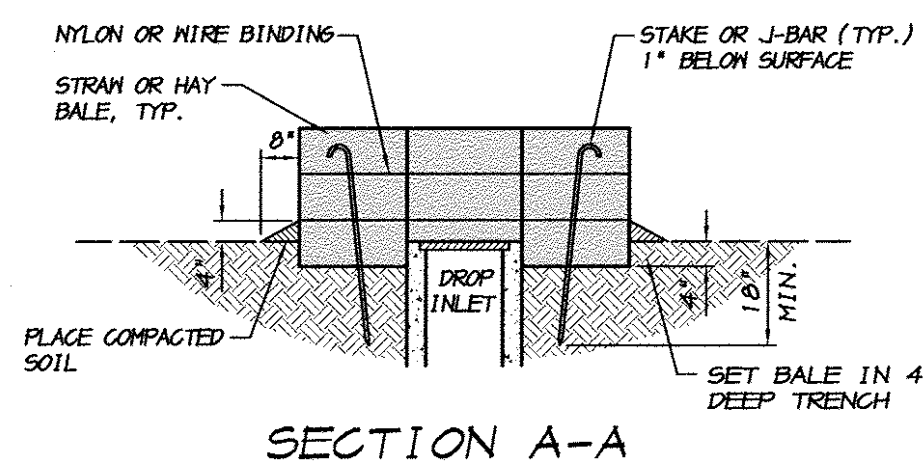
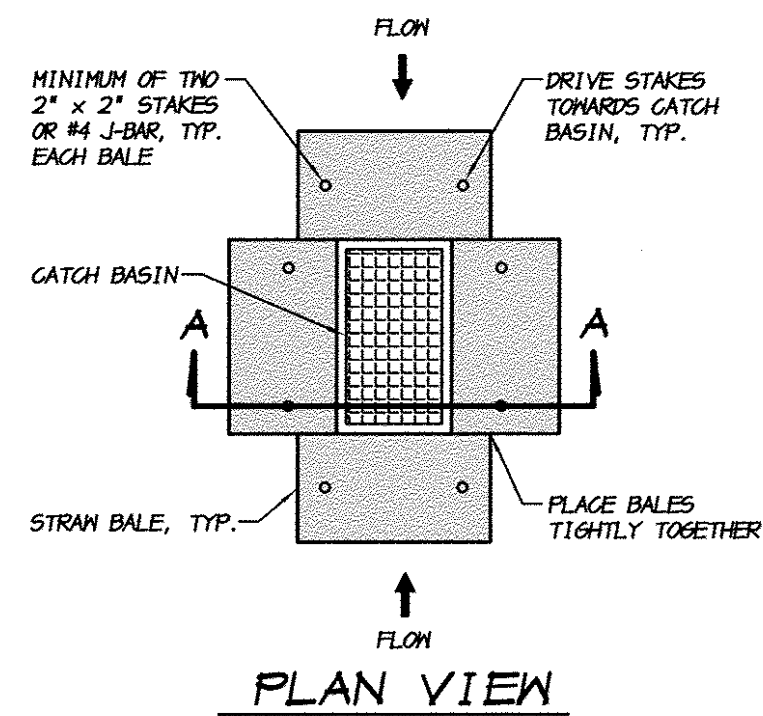
EROSION CONTROL PLAN
TRAFFIC SIGNAL PROJECT
SISK ROAD AT BANGS AVENUE
 STANISLAUS COUNTY CALIFORNIA

ADCom
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126



DRAWN BY: KEVIN
 DATE: JAN. 8, 2001
 SCALE: 1"=20'
 DWG: 536-EROSION
 CHECKED: R.D.C.
 JOB #: 536-06

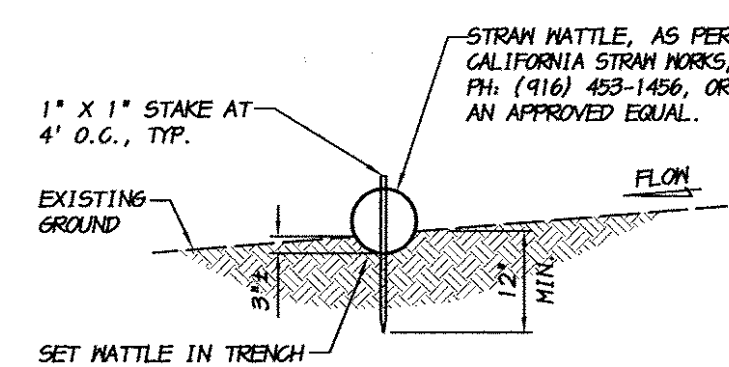
SHEET **4**
 OF 7



NOTES

- BALES SHALL BE PLACED TIGHTLY ADJUTED TOGETHER IN A TRENCH EXCAVATED A MINIMUM OF 4 INCHES BELOW THE INLET. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
- EACH BALE SHALL BE ANCHORED BY A MINIMUM OF TWO 2" x 2" STAKES OR TWO #4 J-BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND A MINIMUM DEPTH OF 18". TOPS OF STAKES OR J-BARS SHALL BE COUNTERSUNK A MINIMUM OF 1" BELOW THE TOP OF THE BALE.
- OUTER PERIMETER OF THE BALES SHALL BE BACK FILLED AND COMPACTED TO A DEPTH OF APPROXIMATELY 4 INCHES WITH EXCAVATED MATERIAL.
- CONTRACTOR SHALL INSPECT BALES WEEKLY AND AFTER EACH RAINFALL TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED WHEN IT HAS BUILT UP TO A DEPTH OF APPROXIMATELY 6". BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

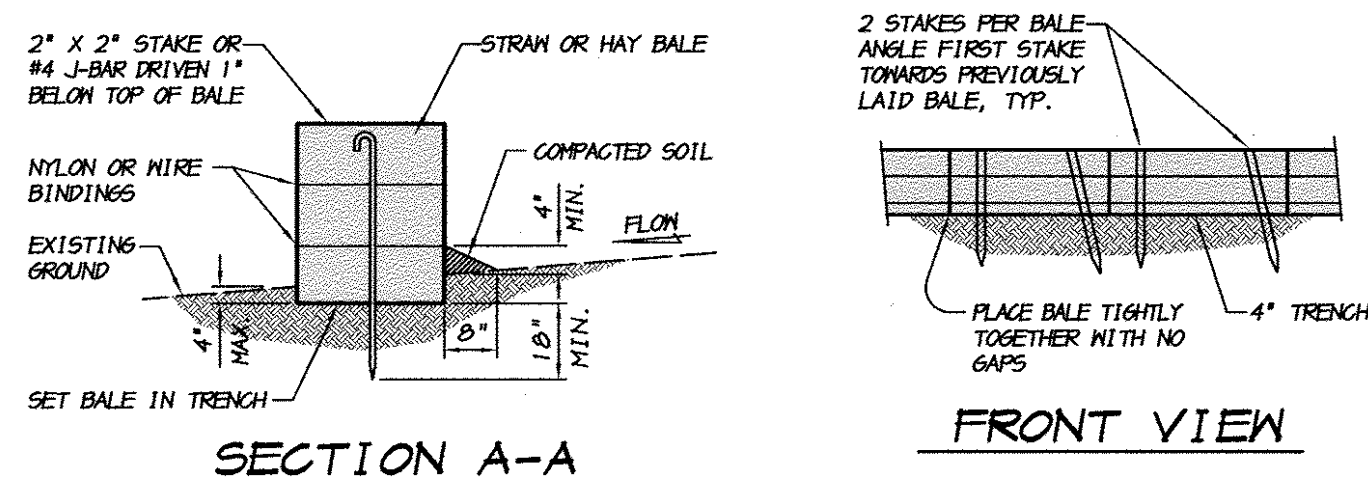
STRAW BALE
INLET FILTER
NO SCALE



NOTE

- STRAW NATTLIES MAY BE USED IN PLACE OF SILT FENCE.
- CONTRACTOR SHALL INSPECT NATTLIES WEEKLY AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE AS NECESSARY AND SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF 4 INCHES. NATTLIES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

STRAW NATTLE DETAIL
NO SCALE



STRAW BALE ALIGNMENT

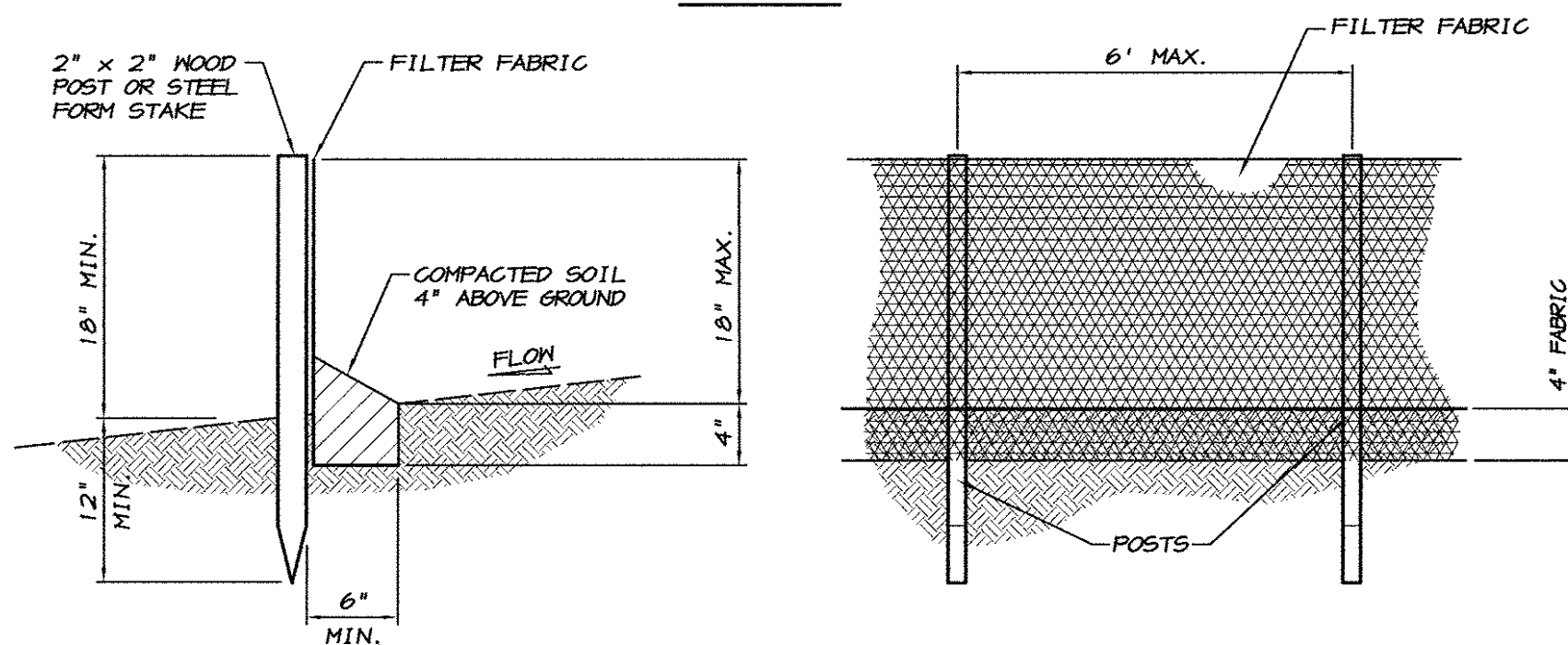
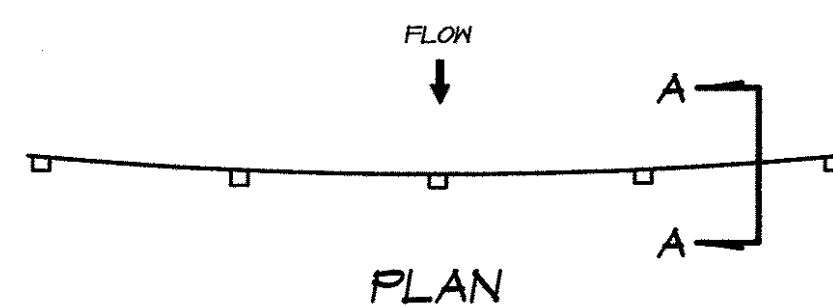
NOTES

- PLACE BALES IN 4 INCH DEEP TRENCH ALONG THE CONTOUR OF THE SLOPE IN THE SHAPE OF AN ARC WITH THE ENDS UPHILL OF THE ARC'S CENTER. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
- BALES SHALL BE ANCHORED BY TWO 2" x 2" STAKES OR #4 J-BAR DRIVEN THROUGH THE BALE AND IN TO THE GROUND A MINIMUM DEPTH OF 18 INCHES. STAKES OR J-BARS SHALL BE DRIVEN 1 INCH OR MORE BELOW THE TOP OF THE BALE. THE FIRST STAKE OR J-BAR IN EACH BALE SHALL BE DRIVEN AT AN ANGLE TOWARDS THE PREVIOUSLY LAID BALE TO FORCE THE BALES TIGHTLY ADJUTED TOGETHER.
- AFTER BALES ARE STAKED IN PLACE, EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE UPHILL SIDE TO A MINIMUM HEIGHT OF 4 INCHES.
- CONTRACTOR SHALL INSPECT BALES WEEKLY AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE AS NECESSARY AND SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF 6 INCHES. BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

SILT FENCE

STRAW BALE BARRIER

NO SCALE



SECTION A-A

FRONT VIEW

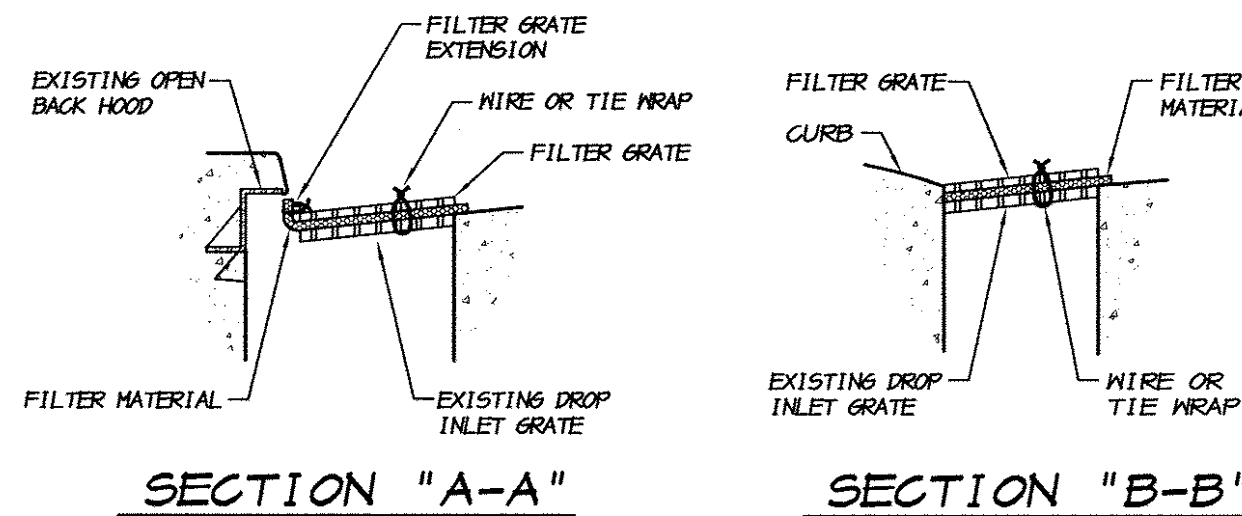
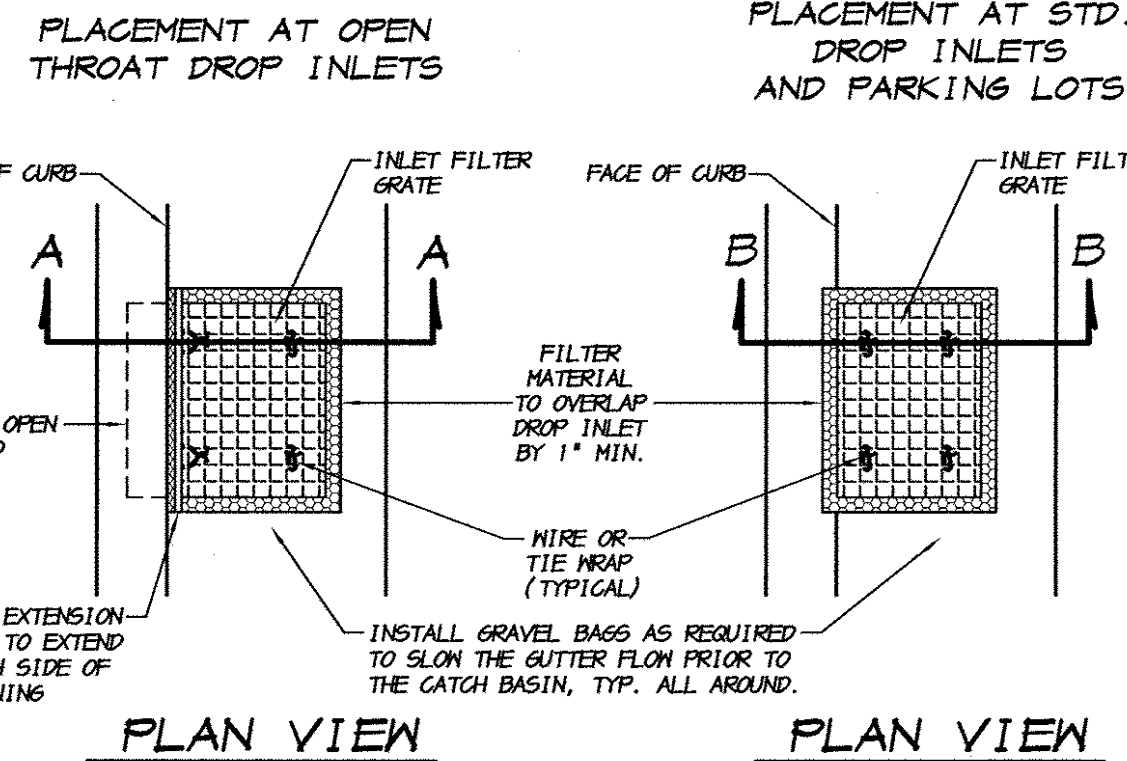
NOTES

- FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR.
- FILTER FABRIC SHALL BE PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINEAR FOOT AT 20 PERCENT MAXIMUM ELONGATION AND CONTAINING ULTRAVIOLET INHIBITORS. FILTER FABRIC SHALL RETAIN A MINIMUM OF 85% OF THE SOIL, BY WEIGHT, BASED ON SIEVE ANALYSIS, BUT IS NOT FINER THAN AN EQUIVALENT OPENING SIZE OF 70.
- SUPPORT POSTS SHALL BE A MINIMUM 30 INCHES LONG 2" x 2" WOOD POSTS OR STEEL FORM STAKES DRIVEN A MINIMUM OF 12 INCHES INTO THE GROUND. POSTS SHALL BE SPACED A MAXIMUM 6 FEET APART.
- A 4 INCH FABRIC TRENCH SHALL BE EXCAVATED ALONG THE UPHILL SIDE OF FILTER BARRIER POSTS. THE BOTTOM EDGE OF THE FABRIC SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACK FILLED TO 4 INCHES ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FILTER FABRIC.
- CONTRACTOR SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER FABRIC.

SILT FENCE

FILTER BARRIER

NO SCALE



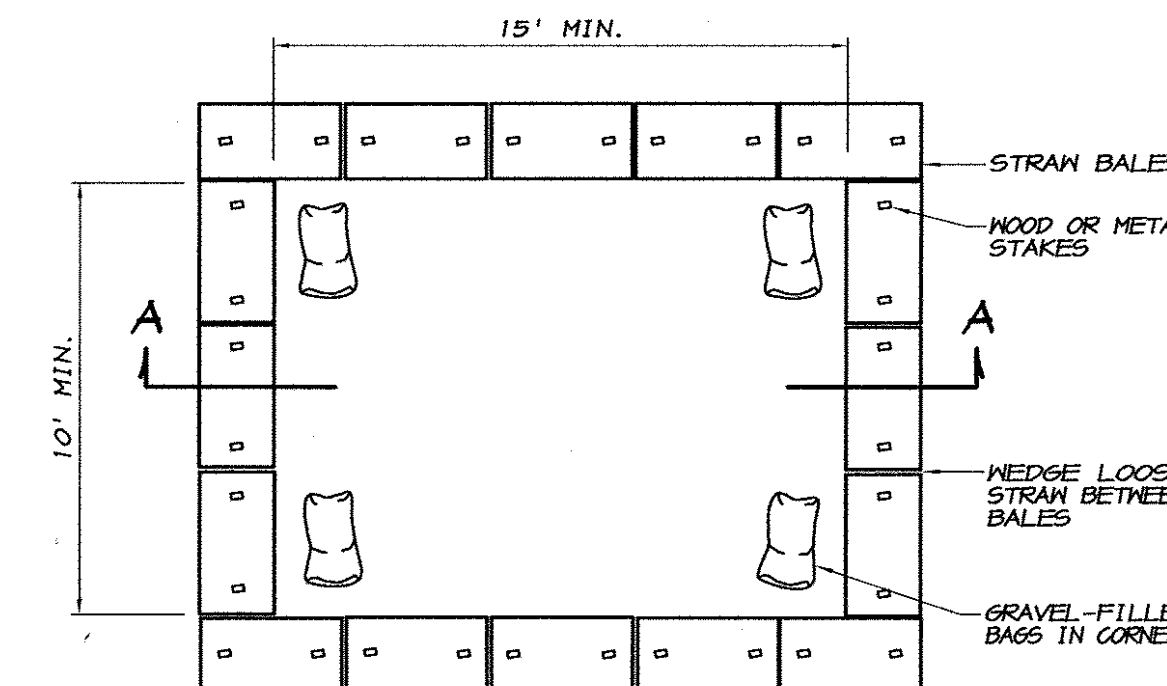
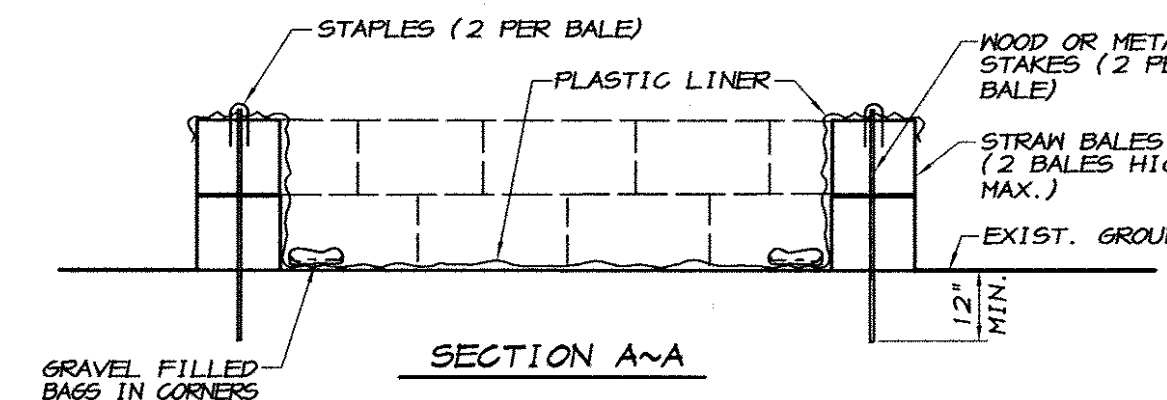
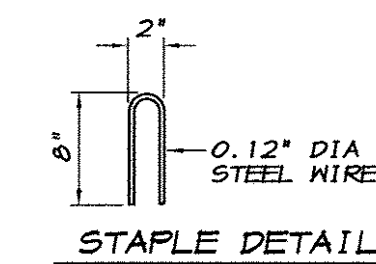
NOTES

- THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES.
- THE FILTER PAD SHALL BE 1 INCH THICK CLEANABLE POLYESTER FIBER AND ACRYLIC LATEX RESIN OR APPROVED EQUAL. THE FILTER PAD SHALL OVERLAP DROP INLET ON ALL SIDES BY A MINIMUM OF 1 INCH.
- THE FILTER GRATE SHALL BE MADE OF EXPANDED METAL OF REBAR AND BE OF SUFFICIENT STRENGTH TO PREVENT BENDING WHEN DRIVEN OVER. GRATE MATERIAL SHALL NOT EXCEED 0.5" THICK. THE GRATE SHALL HAVE A MINIMUM 60% OPEN AREA. GRATES USED AT TYPE B AND E INLETS SHALL HAVE A VERTICAL EXTENSION TO COVER THE CURB OPENINGS. THE FILTER GRATE SHALL BE THE SAME SIZE AS THE DROP INLET GRATE.
- THE FILTER PAD AND GRATE SHALL BE SECURELY ATTACHED TO THE DROP INLET BY WIRE OR TIE-WRAPS.
- INLET FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIRS AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
- INLET FILTERS SHALL BE OF THE FEA GRAVEL BAG AND FILTER CLOTH VARIETY.

STORM DRAIN

INLET FILTER

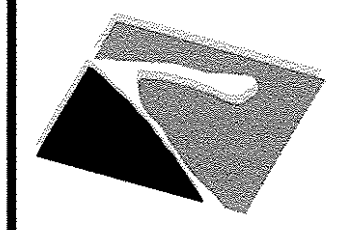
NO SCALE



CONCRETE WASHOUT DETAIL
NO SCALE

BY	
DESCRIPTION	
DATE	
REVISION	

ASSOCIATED ENGINEERING, INC.
Surveying • Design • Planning
4206 TECHNOLOGY DRIVE
MODESTO, CALIFORNIA 95356
PH: (209) 545-3390 FAX: (209) 545-3875



EROSION CONTROL DETAILS
TRAFFIC SIGNAL PROJECT
SISK ROAD AT BANGS AVENUE
STANISLAUS COUNTY CALIFORNIA

R. Daniel
RYAN CARREL, R.C.E. 61619
DAVE SKIDMORE, L.S. 7126



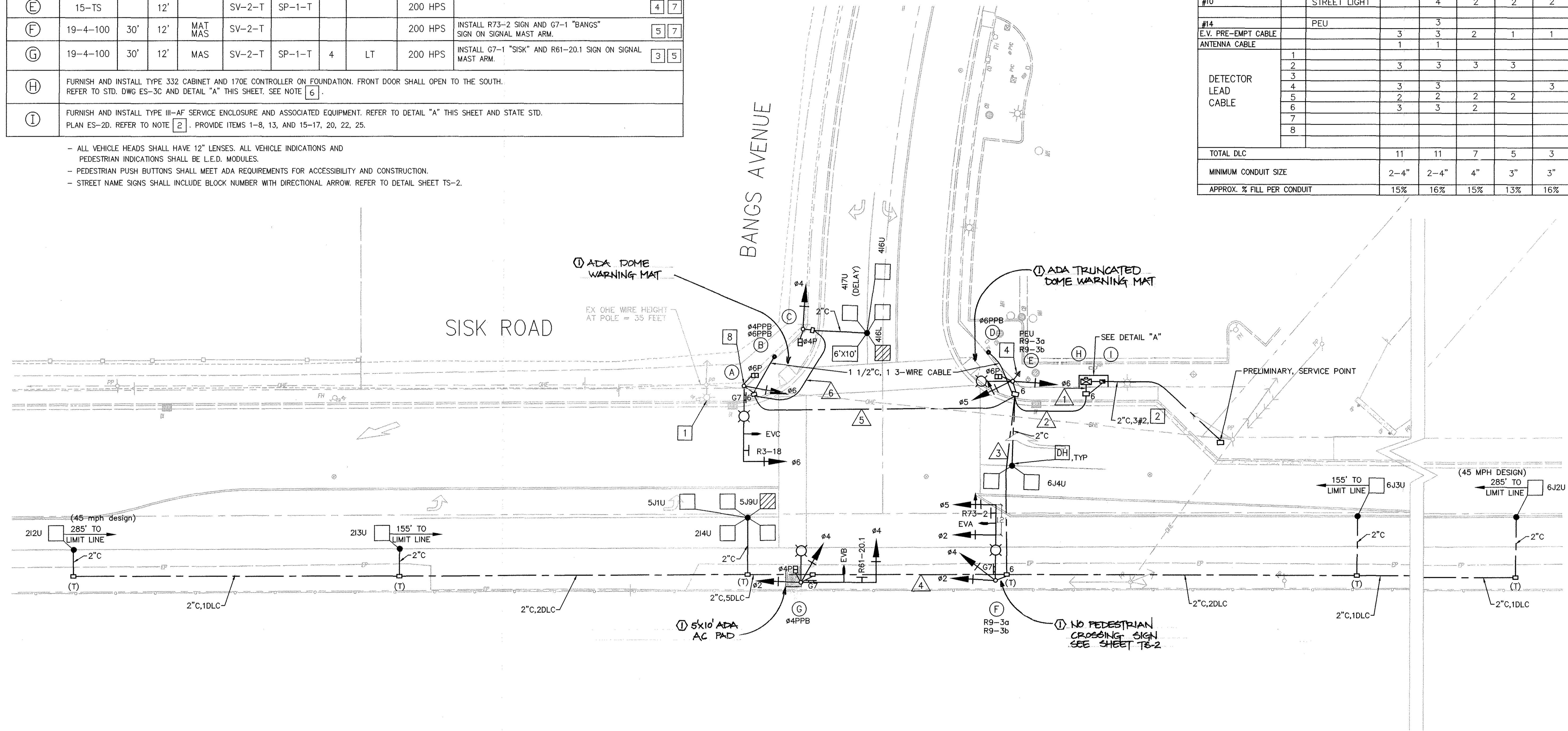
DRAWN BY: KEVIN
DATE: JAN. 8, 2007
SCALE: NOTED
DWG: 536-EROSION
CHECKED: R. D. C.
JOB # 536-06

SHEET
OF
7

POLE AND EQUIPMENT SCHEDULE									
LOCATION	STANDARD		VEH SIG MTG		PED. SIGNAL MTG	PPB		LUMINAIRE WATTAGE	NOTES
	TYPE	SIG. M.A.	LUM. ARM	MAST		POLE	Ø		
(A)	19-4-100 (24' HT)	30'	12'	MAS	SV-1-T	SP-1-T		200 HPS	INSTALL R3-18 SIGN AND G7-1 "BANGS" SIGN ON SIGNAL MAST ARM. [5] [8]
(B)	PPBP						4 6	LT RT	
(C)	1-B				TV-1-T	SP-1-T			
(D)	PPBP						6	LT	
(E)	15-TS		12'		SV-2-T	SP-1-T		200 HPS	[4] [7]
(F)	19-4-100	30'	12'	MAT MAS	SV-2-T			200 HPS	INSTALL R73-2 SIGN AND G7-1 "BANGS" SIGN ON SIGNAL MAST ARM. [5] [7]
(G)	19-4-100	30'	12'	MAS	SV-2-T	SP-1-T	4	LT	200 HPS INSTALL G7-1 "SISK" AND R61-20.1 SIGN ON SIGNAL MAST ARM. [3] [5]
(H)	FURNISH AND INSTALL TYPE 332 CABINET AND 170E CONTROLLER ON FOUNDATION. FRONT DOOR SHALL OPEN TO THE SOUTH. REFER TO STD. DWG ES-3C AND DETAIL "A" THIS SHEET. SEE NOTE [6].								
(I)	FURNISH AND INSTALL TYPE III-AF SERVICE ENCLOSURE AND ASSOCIATED EQUIPMENT. REFER TO DETAIL "A" THIS SHEET AND STATE STD. PLAN ES-2D. REFER TO NOTE [2]. PROVIDE ITEMS 1-8, 13, AND 15-17, 20, 22, 25.								

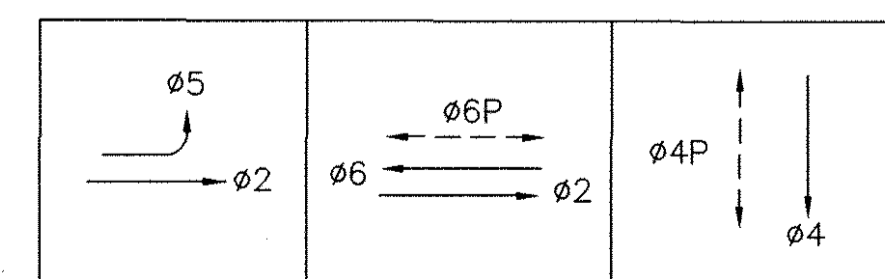
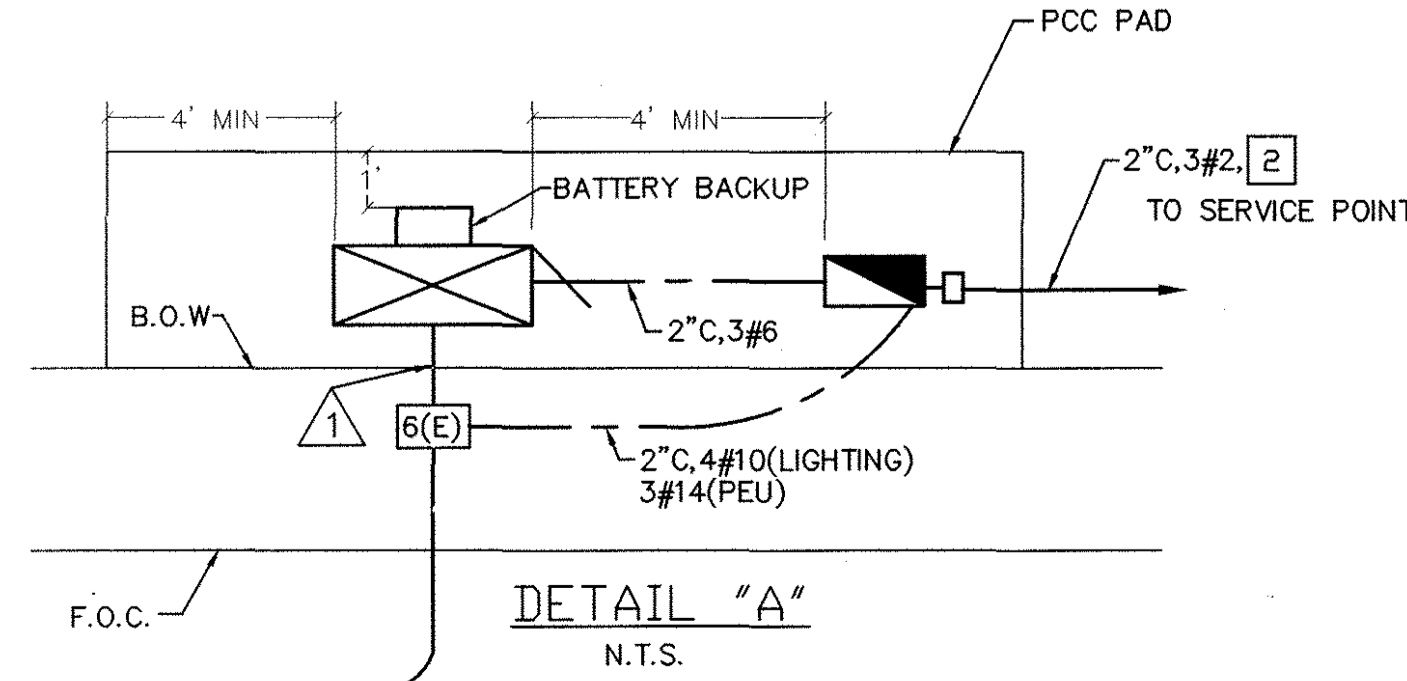
- ALL VEHICLE HEADS SHALL HAVE 12" LENSES. ALL VEHICLE INDICATIONS AND PEDESTRIAN INDICATIONS SHALL BE L.E.D. MODULES.
- PEDESTRIAN PUSH BUTTONS SHALL MEET ADA REQUIREMENTS FOR ACCESSIBILITY AND CONSTRUCTION.
- STREET NAME SIGNS SHALL INCLUDE BLOCK NUMBER WITH DIRECTIONAL ARROW. REFER TO DETAIL SHEET TS-2.

CONDUCTOR		SCHEDULE							
AWG SIZE OR CABLE SIZE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN NUMBER						
			1	2	3	4	5	6	
3-12 WIRE CONDUCTOR CABLE		POLE A	0-1	0-1				0-1	
		POLE B	1-0	1-0				1-0	
		POLE C	0-1	0-1				0-1	0-1
		POLE D	1-0	1-0					
		POLE E	0-1	0-1					
		POLE F	0-2	0-2	0-2				
		POLE G	1-1	1-1	1-1	1-1			
	TOTAL CABLES		3-6	3-6	1-3	1-1	1-2	0-1	
#10	STREET LIGHT			4	2	2	2		
#14	PEU			3					
E.V. PRE-EMPT CABLE			3	3	2	1	1		
ANTENNA CABLE			1	1					
DETECTOR LEAD CABLE	1								
	2		3	3	3	3			
	3								
	4		3	3			3	3	
	5		2	2	2	2			
	6		3	3	2				
	7								
	8								
TOTAL DLC			11	11	7	5	3	3	
MINIMUM CONDUIT SIZE			2-4"	2-4"	4"	3"	3"	3"	
APPROX. % FILL PER CONDUIT			15%	16%	15%	13%	16%	9%	



CONSTRUCTION NOTES (THIS SHEET ONLY)

- COORDINATE WITH UTILITY COMPANY FOR LUMINAIRE REMOVAL.
- INSTALL 2" C, 3#2 TO SERVICE POINT. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OBTAINING SERVICE. SERVICE INSTALLATION AND COORDINATION WITH M.I.D. CONTRACTOR SHALL CONTACT THE SERVICE PROVIDER PRIOR TO START OF WORK TO CONFIRM SERVICE POINT LOCATION AND VOLTAGE. CONTRACTOR SHALL PROVIDE 36" OF SLACK CONDUCTOR AT THE SERVICE CONNECTION POINT FOR THE DISTRICT TO MAKE CONNECTIONS TO THE SERVICE PEDESTAL METER PANEL SHALL CONFORM TO EUSERC STANDARDS AND SHALL BE M.I.D. APPROVED PRIOR TO FABRICATION. CONTRACTOR SHALL MAKE "APPLICATION FOR ELECTRIC SERVICE" WITH THE DISTRICT TO OBTAIN AN ELECTRICAL INSPECTION PRIOR TO ENERGIZING THE SERVICE.
- LUMINAIRE ARM SHALL BE 90° TO SIGNAL MAST ARM.
- INSTALL YAGI ANTENNA (12db) AT TOP OF POLE (CUSHCRAFT CORP. MODEL PC 9013) OR APPROVED EQUAL WITH HIGH PERFORMANCE COMMUNICATION COAXIAL CABLE (TIMES MICROWAVE SYSTEMS, LMR-400) OR APPROVED EQUAL FROM ANTENNA TO TYPE 332 CABINET.
- INSTALL OPTICAL DETECTOR ON SIGNAL MAST ARM. INSTALL ASSOCIATED CABINET EQUIPMENT.
- FURNISH AND INSTALL BATTERY BACKUP SYSTEM MOUNTED ON OUTSIDE OF CONTROLLER CABINET, MODEL 22 UPS 1400XL-6 SYSTEM AS MANUFACTURED BY TESCO OR APPROVED EQUIVALENT.
- INSTALL R9-3a, R9-3b SIGNS ON POLE FACING SISK ROAD.
- HEIGHT OF POLE SHALL BE 24 FT. CONTRACTOR SHALL CONFIRM AVAILABLE CLEARANCE TO OVERHEAD ELECTRIC LINE PRIOR TO ORDERING POLE. A 10' MINIMUM RADIUS CLEARANCE SHALL BE MAINTAINED TO ALL EQUIPMENT.



LEGEND

- NEW EQUIPMENT
 - OPTICAL DETECTOR
 - TYPE A DETECTOR HANDHOLE
- NOTE: SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR EXPLANATION OF OTHER SYMBOLS.

PHASE DIAGRAM



APPROVED BY STANISLAUS COUNTY, CALIF.

DATE: _____

BY: _____
STEVE ERICKSON ~ ROAD COMMISSIONER

TRAFFIC SIGNAL PLAN

SISK ROAD AT BANGS AVENUE

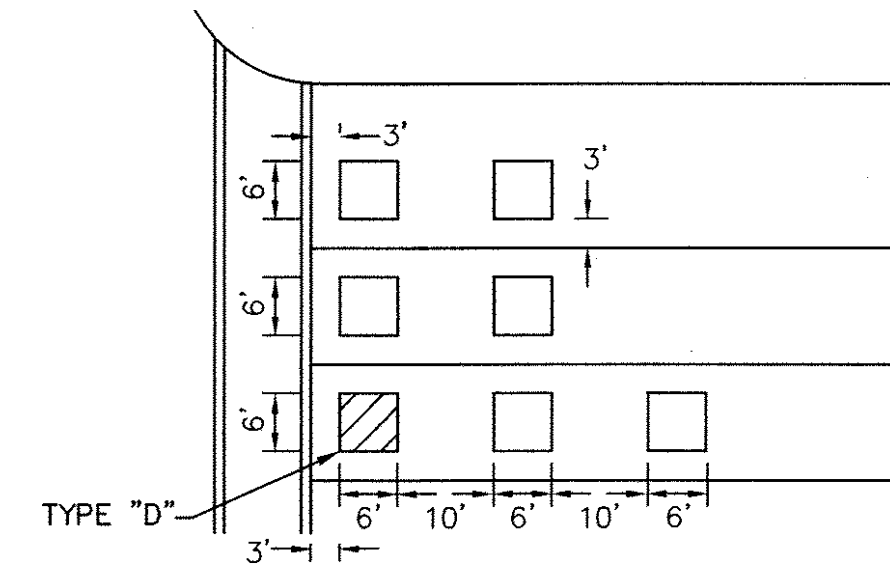
STANISLAUS COUNTY, CALIFORNIA

Anderson Engineers
Transportation Engineers
3853 Taylor Road, Suite G
Loomis, California 95650
(916) 660-1555

SHEET
TS-1
OF
7

SYN. DATE: 1-20-07
DESCRIPTION OF REVISION: ADA WARNING MATS, PEU, AC PAD

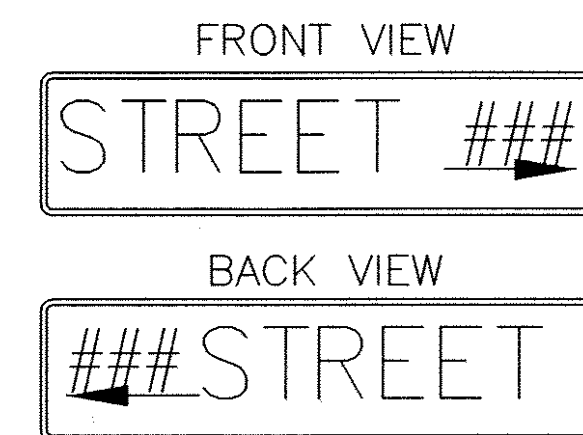
BY: JMB
CHK: JKA
DATE: 1/16/07
SCALE: 1"=20'
JOB #: SISK/BANGS
FILE:



TYPICAL DETECTOR LOOP LAYOUT
N.T.S

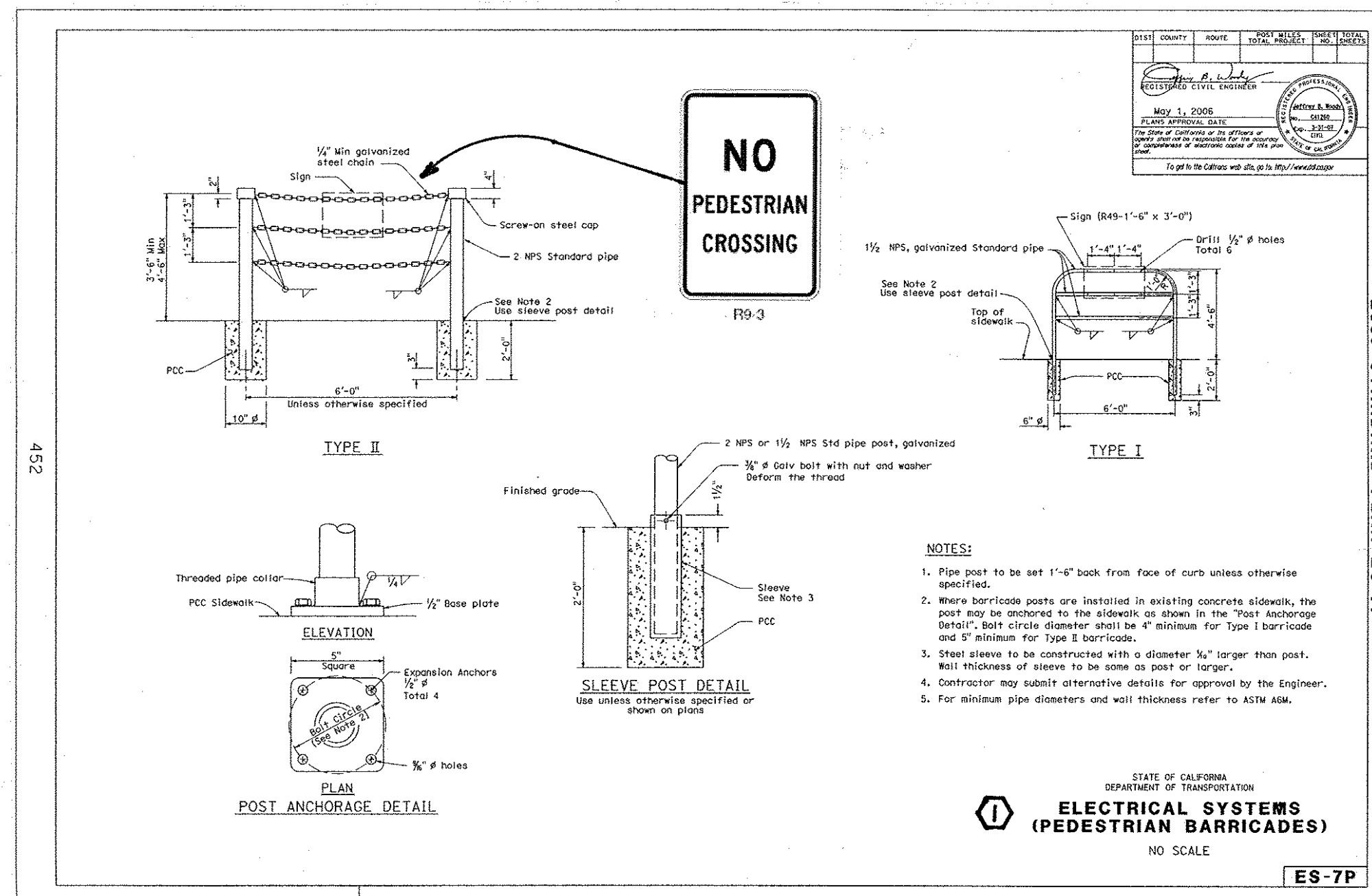
PROJECT NOTES

1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND SHALL PERFORM ALL LABOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS DATED JULY 2002.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS. QUANTITY AND EXACT LOCATIONS OF ALL UTILITIES TO BE DETERMINED BY CONTRACTOR 48 HOURS BEFORE BEGINNING WORK. PHONE USA (800) 227-2600 PRIOR TO DIGGING.
3. THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
4. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL. TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE CALTRANS TRAFFIC MANUAL.
5. ALL PULL BOXES ARE TO BE NO. 5 UNLESS OTHERWISE NOTED ON PLAN.
6. POSITIONING OF SIGNAL STANDARDS, PULL BOXES, AND DETECTORS SHALL BE VERIFIED BY THE INSPECTOR PRIOR TO INSTALLATION.
7. LOOP DETECTORS SHALL BE CENTERED IN EFFECTIVE LANE WIDTHS UNLESS OTHERWISE NOTED ON PLAN OR DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SIGNAL TO OPERATE AS SHOWN IN THE PHASE DIAGRAM.
9. SIDEWALKS REMOVED FOR INSTALLATION OF SIGNAL FOUNDATION AND PULL BOXES SHALL BE REMOVED TO THE NEAREST SCORE MARK. SCORE MARK SHALL BE SAWCUT PRIOR TO REMOVAL.
10. CONTRACTOR SHALL CONTACT M.I.D. TO CONFIRM POWER SUPPLY VOLTAGE AND SERVICE POINT LOCATION.
11. ALL SALVAGED MATERIAL SHALL BE DELIVERED TO THE COUNTY CORPORATION YARD AT 1716 MORGAN ROAD, MODESTO CA 95358.
12. CONTRACTOR SHALL NOTIFY THE COUNTY'S INSPECTION DIVISION TWO WORKING DAYS BEFORE START OF WORK.
13. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK CALLED FOR ON THESE PLANS UNTIL THE COUNTY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. AN APPROVED SET OF PLANS SHALL BE ON THE JOB SITE DURING ANY CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL REMEDIAL ACTION CAN BE TAKEN. ANY COSTS RESULTING FROM THE CONTRACTOR'S FAILURE TO REPORT OR FAILURE TO STOP WORK AS DIRECTED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
16. THE CONTRACTOR SHALL MAKE AN ON-SITE INSPECTION PRIOR TO PROVIDING ANY PROPOSALS TO DETERMINE ANY AND ALL ITEMS NOT SHOWN AS BID ITEMS ON THE PROPOSAL SHEETS, BUT WHICH MAY BE NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
17. KD ANDERSON TRANSPORTATION ENGINEERS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS SHALL BE IN WRITING AND MUST BE APPROVED BY THE CITY ENGINEER.
18. THESE PLANS ACCOMPANIED BY SEPARATE SET OF SPECIAL PROVISIONS.
19. ALL SIGNAL INDICATIONS (VEHICLE AND PEDESTRIAN) SHALL BE L.E.D. MODULES. ALL VEHICLE INDICATIONS SHALL BE 12".



- NOTES:
1. ALL LETTERS SHALL BE 10" CAPS FOR STREET NAMES.
 2. ALL BLOCK NUMBERS SHALL BE 4" NUMBERS.
 3. ALL ARROWS SHALL BE 4" WIDE.
 4. ALL TEXT SHALL SERIES "D".
 5. SIGNS SHALL BE WHITE ON A GREEN BACKGROUND.
 6. SIGNS SHALL BE DIAMOND GRADE SHEETING.
 7. ADDRESS NUMBER AND ARROW SHALL POINT IN HIGHEST DIRECTION.

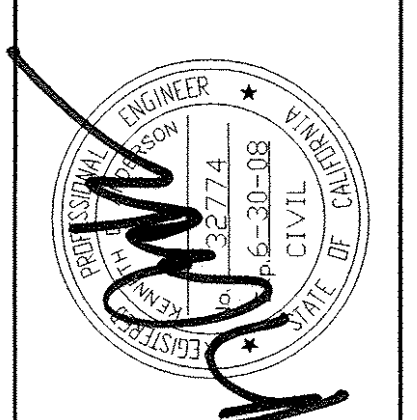
TYPICAL STREET NAME SIGN
N.T.S



APPROVED BY STANISLAUS COUNTY, CALIF.
DATE : _____
BY : _____
STEVE ERICKSON ~ ROAD COMMISSIONER

BY: MB	DESCRIPTION OF REVISION
CHK: KDA	APPD:
DATE: 1/16/07	NO PEDESTRIAN CROSSING SIGN DETAIL
SCALE: NONE	
JOB #:	
FILE: SISKABANGS	

TRAFFIC SIGNAL INSTALLATION
GENERAL NOTES AND DETAILS
SISK ROAD AT BANGS AVENUE
STANISLAUS COUNTY, CALIFORNIA



K.D. Anderson
Transportation Engineers
3853 Taylor Road, Suite G
Loomis, California 95650
(916)660-1555

SHEET
TS-2
OF
7