

**COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPEMENT AGENCY
TRANSPORTATION DIVISION**

PROJECT PLANS FOR THE CONSTRUCTION OF

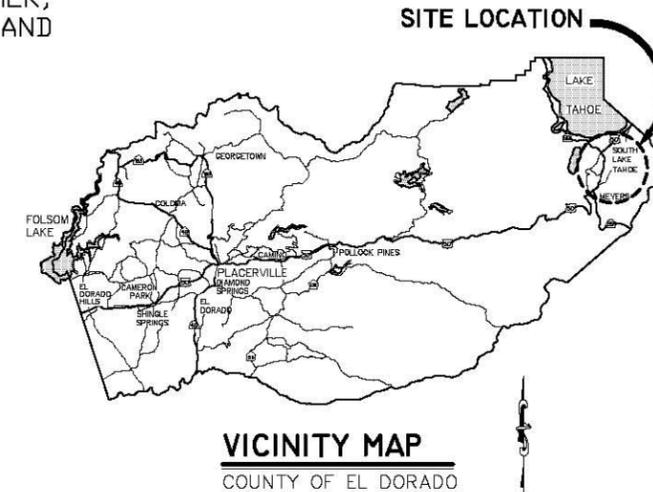
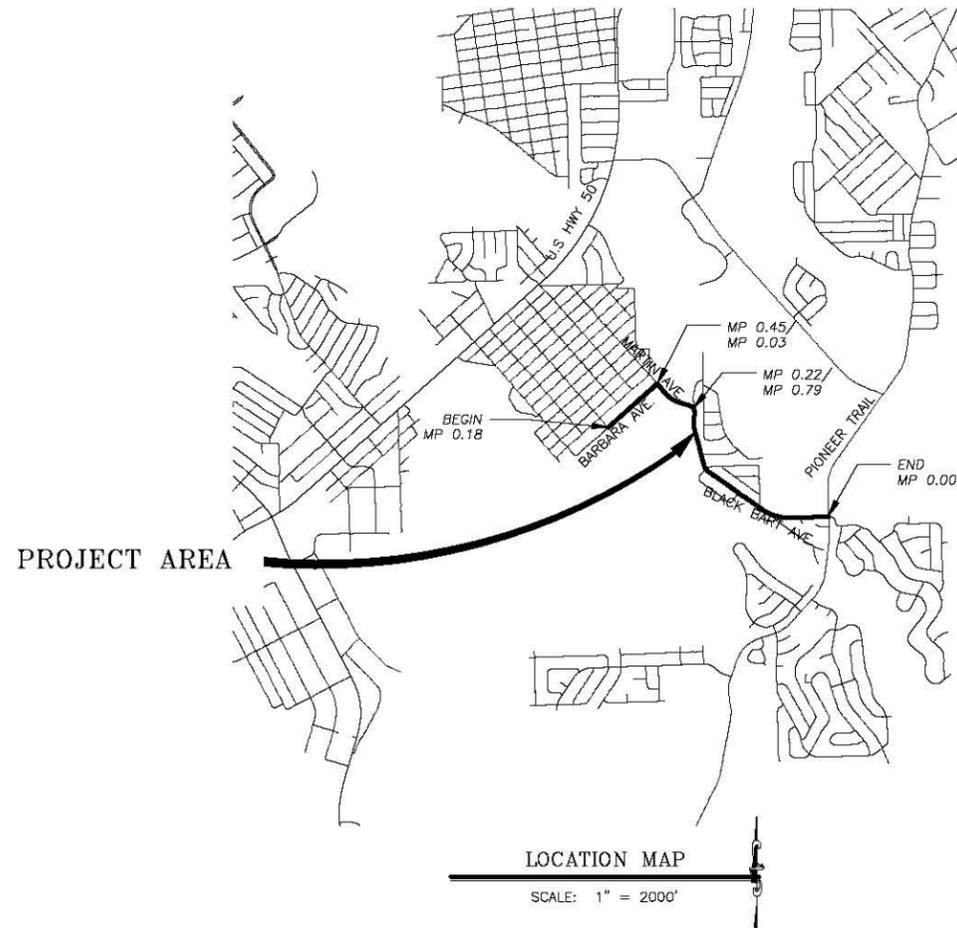
**BLACK BART AVENUE, BARBARA AVENUE,
AND MARTIN AVENUE OVERLAY PROJECT**

IN THE COUNTY OF EL DORADO, DISTRICT 5
WITHIN THE PORTIONS OF THE SUBDIVISIONS ARAM UNIT 1, LAKE CHRISTOPHER,
SIERRA MEADOWS UNITS 1, 2, 3, & 4, SECTIONS 2, 3, & 11, TOWNSHIP 12N, AND
RANGE 18E

To be supplemented with the 2010 Standard Plans and Specifications, including the
amendments to the 2010 Standard Specifications, of the California Department of
Transportation, unless otherwise noted.

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FUNDING AGENCY
EL DORADO COUNTY GENERAL FUND

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Law (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans at the time bids are submitted, and shall maintain a valid license through completion and acceptance of the Work including guarantee and warranty period. Failure of the successful Bidder to obtain proper and adequate licensing for an award of the Contract shall constitute a failure to execute the Contract, and shall result in forfeiture of the Bidders security.

REVISIONS		
MARK	DATE	BY



SUBMITTED BY: DANIEL W. KIKKERT P.E. DATE: 03/16/2015
SENIOR CIVIL ENGINEER
STATE OF CALIFORNIA NO. 70168

BOARD OF SUPERVISORS

I	RON "MIK" MIKULACO
II	SHIVA FRENTZEN
III	BRIAN VEERKAMP
IV	MICHAEL RANALLI
V	SUE NOVASEL

**COUNTY OF EL DORADO
COMMUNITY DEVELOPEMENT AGENCY
TRANSPORTATION DIVISION**

(530) 573-7900
924 B EMERALD BAY RD
SOUTH LAKE TAHOE, CA 96150

(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

ADOPTED AND APPROVED BY:

DATE	DATE	DATE
BRIAN VEERKAMP CHAIR, COUNTY OF EL DORADO BOARD OF SUPERVISORS	STEVEN M. PEDRETTI DIRECTOR, COUNTY DEVELOPMENT AGENCY, COUNTY OF EL DORADO	JOHN H. KAHLING P.E., RCE NO. 52428 DEPUTY DIRECTOR OF ENGINEERING, COMMUNITY DEVELOPEMENT AGENCY, TRANSPORTATION DIVISION

CONTRACT NO. 14-31082 CIP NO. 72188

BLACK BART AVENUE, BARBARA AVENUE, AND MARTIN AVENUE OVERLAY PROJECT

TITLE SHEET

SHEET 1 OF 6

GENERAL NOTES

- ALL IMPROVEMENTS WILL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE EL DORADO COUNTY TRANSPORTATION DIVISION (TD). IMPROVEMENT CONSTRUCTION MUST COMPLY WITH THESE PLANS AND THE MAY 2010 CALTRANS STANDARD PLANS, UNLESS NOTED OTHERWISE. ALL REFERENCES TO THE "STANDARD SPECIFICATIONS" WILL MEAN THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) 2010 STANDARD SPECIFICATIONS. CONSTRUCTION NOT SPECIFIED ON THESE PLANS OR IN SPECIFIC EL DORADO COUNTY (COUNTY) ORDINANCES MUST CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. YOU ARE OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL PROVISIONS SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
- CONSTRUCTION HOURS WILL BE WEEKDAYS BETWEEN 8:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE COUNTY TD.
- THE LOCATIONS AND EXTENT OF EXISTING UNDERGROUND UTILITIES IN THE WORK AREA AS SHOWN ARE APPROXIMATE AND ARE NOT NECESSARILY COMPLETE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE EXISTING UTILITIES BASED UPON AVAILABLE RECORDS. YOU MUST DETERMINE THE TYPE, LOCATION, SIZE, AND/OR DEPTH OF THE EXISTING UTILITIES WITHIN THE WORK AREA BEFORE COMMENCING WORK. YOU OR ANY SUBCONTRACTOR FOR THIS CONTRACT ARE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. YOU MUST CONTACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION. SEE SPECIAL PROVISIONS FOR NOTIFICATION REQUIREMENTS. YOU ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
- UNLESS NOTED OTHERWISE ON THE PLANS, YOU ARE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION.
- YOU WILL PROVIDE, PLACE, AND MAINTAIN ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE CONSTRUCTION AREA AND FOR PUBLIC SAFETY IN ACCORDANCE WITH THESE PLANS, THE STANDARD SPECIFICATIONS, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- YOU AGREE TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREES THAT THIS REQUIREMENT APPLIES CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTRACT AND STANDARD SPECIFICATIONS.
- THERE WILL BE NO GRADING OR LAND DISTURBANCE PERFORMED WITH RESPECT TO THE PROJECT BETWEEN OCTOBER 15 AND MAY 1 UNLESS PROPER APPROVALS ARE OBTAINED FROM THE TAHOE REGIONAL PLANNING AGENCY (TRPA), AS PROVIDED IN THE LIMITED EXEMPTION DESCRIBED IN SUBSECTION 4.2.A. OF THE TRPA CODE OF ORDINANCES. APPROVALS FOR GRADING BETWEEN OCTOBER 15 AND MAY 1 MUST ALSO BE OBTAINED FROM THE REGIONAL WATER QUALITY CONTROL BOARD, LAHONTAN. IF REQUIRED, THE COUNTY WILL OBTAIN THESE APPROVALS.
- YOU WILL MAINTAIN A SET OF PLANS ON THE JOB SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE PROJECT, YOU WILL SUPPLY TO THE COUNTY A SET OF PLANS, MARKED UP TO THE SATISFACTION OF THE COUNTY, REFLECTING THE AS-CONSTRUCTED MODIFICATIONS.
- ALL CONTROL STATIONING AND DATA DIMENSIONING ARE REFERENCED TO THE CENTERLINE OF THE FACILITY SHOWN UNLESS OTHERWISE NOTED. STATIONING AND DIMENSIONING FOR THE AC DIKE IS ALONG THE TOP BACK OF DIKE.
- YOU WILL NOT CLOSE OFF ANY EXISTING UTILITY LINES OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF EXISTING WATER OR SEWER SYSTEMS WITHOUT PRIOR APPROVAL FROM THE SOUTH TAHOE PUBLIC UTILITY DISTRICT (STPUD). APPROVAL MUST BE REQUESTED AT LEAST 48 HOURS IN ADVANCE OF THE TIME THAT THE INTERRUPTION OF THE EXISTING SYSTEM IS REQUIRED. ANY INTERRUPTION OF SERVICE TO ACTIVE WATER OR SEWER SERVICES, INCLUDING FIRE HYDRANTS, WHETHER INTENTIONAL OR NOT, MUST BE KEPT TO A MINIMUM TIME PERIOD. IF SERVICE TO BUILDINGS IS TO BE OFF FOR MORE THAN FOUR HOURS, YOU MUST ADVISE STPUD.
- YOU ARE REQUIRED TO PERFORM PREVENTIVE DUST CONTROL MEASURES TO ENSURE THAT DUST RESULTING FROM YOUR ACTIVITIES IS CONTROLLED IN CONFORMANCE WITH THE PROVISIONS OF SECTION 7, "LEGAL RELATIONS AND RESPONSIBILITY," OF THE STANDARD SPECIFICATIONS, COUNTY, AND LOCAL ORDINANCES. SEE SPECIAL PROVISIONS REGARDING SWEEPING REQUIREMENTS.
- YOU ARE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY EROSION CONTROL MEASURES. THE EROSION CONTROL MEASURES MUST COMPLY WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES" AND THESE PLANS. THE TD WILL CONTACT TRPA PRIOR TO THE COMMENCEMENT OF WORK FOR A PRE-GRADING INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL FACILITIES. YOU ARE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
- UNLESS NOTED OTHERWISE, ALL REVEGETATION TO BE COMPLETED BY OTHERS.
- YOU WILL ONLY USE DESIGNATED SPECIFIC SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AS DETERMINED BY ENGINEER IN FIELD. YOU ARE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
- IT IS YOUR AND YOUR SUBCONTRACTOR(S) RESPONSIBILITY TO EXAMINE THE PROJECT SITE PRIOR TO THE OPENING OF BID PROPOSALS. YOU MUST BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, SUCH AS THE NATURE AND LOCATION OF THE WORK AND THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE AFFECTING THE AVAILABILITY OF TRANSPORTATION, THE DISPOSAL, HANDLING, AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRICITY, ROADS, THE UNCERTAINTIES OF WEATHER, THE CONDITIONS OF THE GROUND, SURFACE AND SUBSURFACE MATERIALS, THE EQUIPMENT AND FACILITIES NEEDED PRIMARILY FOR AND DURING THE PERFORMANCE OF THE WORK, AND THE COSTS THEREOF. FAILURE BY YOU OR YOUR SUBCONTRACTOR(S) TO ACQUAINT HIMSELF WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE YOU FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
- ELEVATIONS SHOWN ON THE PLANS FOR PIPE INVERTS, TOPS OF GRATES, RIMS, CURBS, ETC., ARE BASED UPON THE TOPOGRAPHIC INFORMATION SHOWN. YOU WILL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE TD OF ANY DISCREPANCIES, WHICH MIGHT AFFECT PROPER OPERATION OF THE NEW FACILITIES BEFORE BREAKING GROUND AND PRIOR TO FACILITY INSTALLATION. THE TD SHALL BE CONTACTED IN THE EVENT ELEVATIONS ARE INCORRECT SO THAT THE PROPER ADJUSTMENTS CAN BE MADE PRIOR TO THE INSTALLATION OF THE FACILITIES.
- EXCEPT FOR THOSE OBTAINED BY TD, YOU MUST OBTAIN AT YOUR OWN EXPENSE ALL PERMITS, LICENSES, INSURANCE POLICIES, ETC., NECESSARY TO COMPLY WITH STATE AND LOCAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK.
- YOU ARE RESPONSIBLE TO REVIEW THE CONTRACT DOCUMENTS FOR SUBMITTALS REQUIRED FOR COUNTY REVIEW AND ACCEPTANCE.

ABBREVIATIONS

NOTE: LOWER CASE TEXT WITHIN PLAN SET INDICATES EXISTING

△	DELTA = DEFLECTION ANGLE	LP	LOW POINT
A	ASPEN	LT	LEFT
AB	AGGREGATE BASE	LTD	LAKE TAHOE DATUM
ABAND	ABANDONED	MISC	MISCELLANEOUS
AC	ASPHALT CONCRETE	MM	MILE MARKER
ACS	ASPHALT CONCRETE SWALE	MOC	MID POINT ON CURVE
ACP	ASBESTOS CEMENT PIPE	N	NORTH
AP	ANGLE POINT	NIC	NOT IN CONTRACT
APN	ASSESSOR'S PARCEL NUMBER	NTS	NOT TO SCALE
AV/AR	AIR VACUUM/AIR RELEASE VALVE	OAE	OR APPROVED EQUAL
BC	BEGIN CURVE	OC	ON CENTER
BCR	BEGIN CURB RETURN	OD	OUTSIDE DIAMETER
BGN	BEGIN	OH	OVERHEAD
BLVD	BOULEVARD	O/S	OVERSIDE
BO	BLOW OFF	P	PINE
BR	BOTTOM OF ROCK	PC	POINT OF BEGINNING OF CURVE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PCC	PORTLAND CEMENT CONCRETE
BVCS	BEGIN VERTICAL CURVE STATION	PERF	PERFORATED
C	CEDAR	PL	PROPERTY LINE
C STA	CUL-DE-SAC STATIONING	POCC	POINT OF COMPOUND CURVE
CALC'S	CALCULATIONS	POCVCE	POINT OF COMPOUND VERTICAL CURVE ELEVATION
CC	CENTER TO CENTER	POCVCS	POINT OF COMPOUND VERTICAL CURVE STATION
CF	CUBIC FEET OR CURB FACE	POR	PORTION
CHD	CHORD DIRECTION	PORVCE	POINT OF REVERSE VERTICAL CURVE ELEVATION
CIR	CIRCLE	PORVCS	POINT OF REVERSE VERTICAL CURVE STATION
CL	CENTERLINE	PP	POWER/UTILITY POLE
CL	CLASS OR CENTERLINE	PRC	POINT OF REVERSE CURVE
CLF	CONSTRUCTION LIMIT FENCE	PROP	PROPOSED
CLR	CLEAR	PT	POINT OR POINT OF TANGENCY
CO	CURB OPENING	PUE	PUBLIC UTILITY EASEMENT
CO.	COUNTY	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	PVIS	POINT OF VERTICAL INTERSECTION ELEVATION
CONST	CONSTRUCT	R	RADIUS
CMP	CORRUGATED METAL PIPE	R&R	REMOVE & REPLACE
CT	CALTRANS OR COURT	RC	RELATIVE COMPACTION
CTC	CALIFORNIA TAHOE CONSERVANCY	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARD	RD	ROAD
C&G	CURB AND GUTTER	REF	REFERENCE
D	DEPTH	REQ'D	REQUIRED
DB	DRAIN BASIN	RLC	ROCK-LINED CHANNEL
DBL	DOUBLE	ROW	RIGHT-OF-WAY
DET	DETAIL	RR	RAILROAD
DI	DRAINAGE INLET OR DUCTILE IRON	RSP	ROCK SLOPE PROTECTION
DIA OR Ø	DIAMETER	RT	RIGHT
DISS	DISSIPATOR	S	SOUTH OR SANITARY SEWER
DR	DRIVE	SCO	SEWER CLEAN OUT
D/W	DRIVEWAY	SD	STORM DRAIN
E	EAST	SDMH	STORM DRAIN MANHOLE
EA	EACH	SF	SQUARE FEET
EC	END OF CURVE	SHT	SHEET
ECR	END OF CURB RETURN	SL	SLOPE LENGTH
EG	EXISTING GRADE	SLJ	SLOPE LENGTH IN PAVEMENT
ELEV	ELEVATION	SLO	SLOPE LENGTH OUT OF PAVEMENT
ELEC	ELECTRIC	SMH	SEWER MANHOLE
EP	EDGE OF PAVEMENT	SP	SPECIAL PROVISIONS
ESMT	EASEMENT	ST	SEDIMENT TRAP OR STREET
EVCE	END VERTICAL CURVE ELEVATION	STA	STATION
EVCS	END VERTICAL CURVE STATION	STD	STANDARD
EX	EXISTING	STL	STEEL
F	FIR	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FES	FLARED END SECTION	STPUD	SOUTH TAHOE PUBLIC UTILITY DISTRICT
FF	FILTER FENCE	T	TELEPHONE
FG	FINISHED GRADE	TBC	TOP BACK OF CURB
FH	FIRE HYDRANT	TBD	TOP BACK OF DIKE
FL	FLOWLINE	TD	TOP OF DIKE
FM	FORCE MAIN	TBM	TEMPORARY BENCHMARK
FMMH	FORCE MAIN MANHOLE	TBR	TO BE REMOVED
FS	FINISH SURFACE	TG	TOP OF GRATE
G	GAS	TR	TOP OF ROCK
GA	GAUGE	TRANS	TRANSITION
GB	GRADE BREAK	TRPA	TAHOE REGIONAL PLANNING AGENCY
GLS	GRASS-LINED SWALE	TTL	TOTAL
GV	GAS VALVE	TW	TOP OF WALL
H	HORIZONTAL	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	UG	UNDERGROUND
HP	HIGH POINT	UKN	UNKNOWN
ID	INSIDE DIAMETER	USFS	UNITED STATES FOREST SERVICE
IE	INVERT ELEVATION	V	VERTICAL
INST	INSTALL	W	WEST OR WATER
INTRXN	INTERSECTION	W/	WITH
L	LENGTH	W/O	WITHOUT
LC	LENGTH OF CHORD	WC	WILLOW CLUSTER
LF	LINEAR FEET	WV	WATER VALVE

LEGEND

EXISTING	PROPOSED

UTILITIES

CABLE TELEVISION	CHARTER COMMUNICATIONS, (775) 588-1077
NATURAL GAS	SOUTHWEST GAS, (530) 543-3225
ELECTRIC	NV ENERGY, (530) 541-6400
SEWER & WATER	SOUTH TAHOE PUD, (530) 544-6474
TELEPHONE	AT&T, (530) 888-2031
STORM DRAIN	EL DORADO COUNTY DOT, (530) 573-3180

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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 03/16/2015

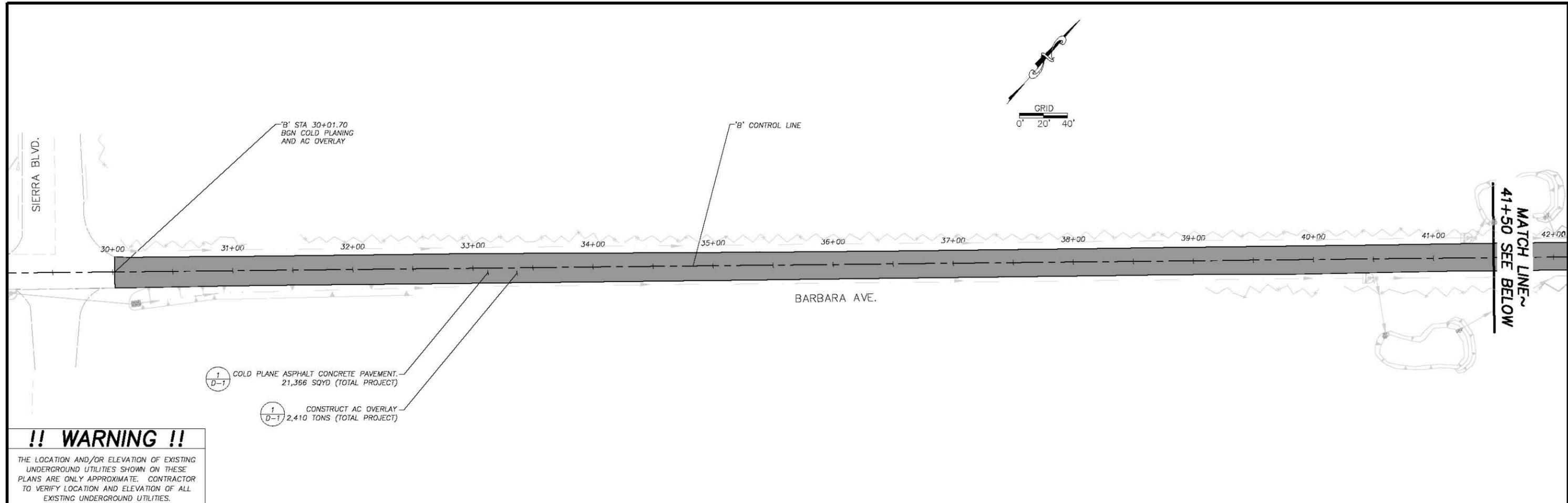
DESIGNED: DWK	DRAWN: KIS
CHECKED: DWK	DATE: 3/2015
ROAD NUMBER:	

COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

BLACK BART AVENUE, BARBARA AVENUE,
 AND MARTIN AVENUE OVERLAY PROJECT
 GENERAL NOTES, ABBREVIATIONS, AND LEGEND

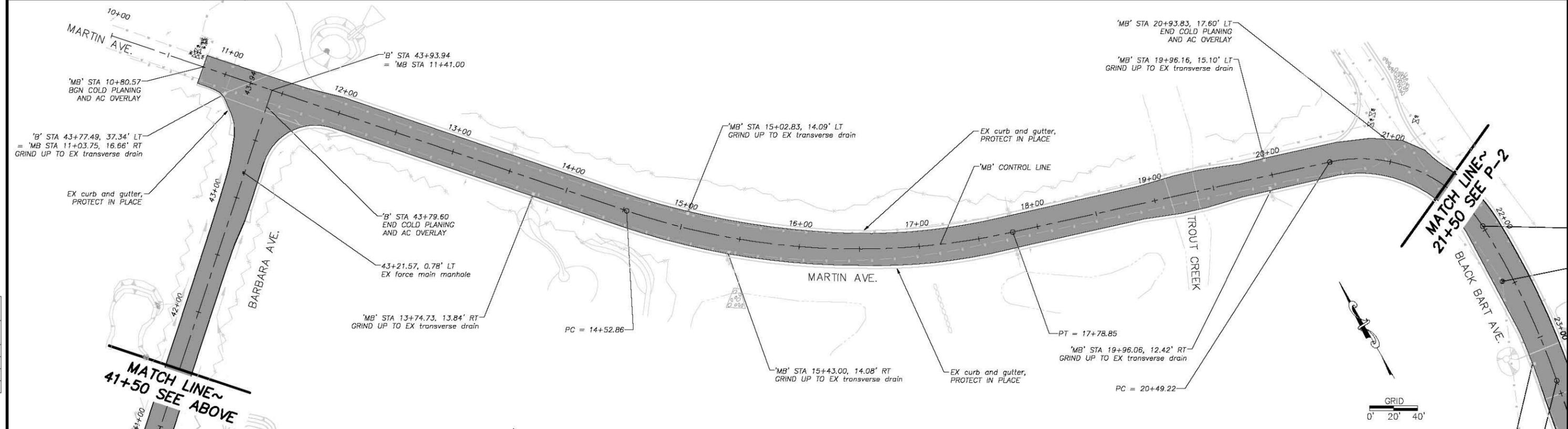
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OF	6
CONTRACT NO.	PW 14-31082
DIP No.	72188

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 FOR REDUCED PLANS
 REVISION



!! WARNING !!

THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.



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[Signature]
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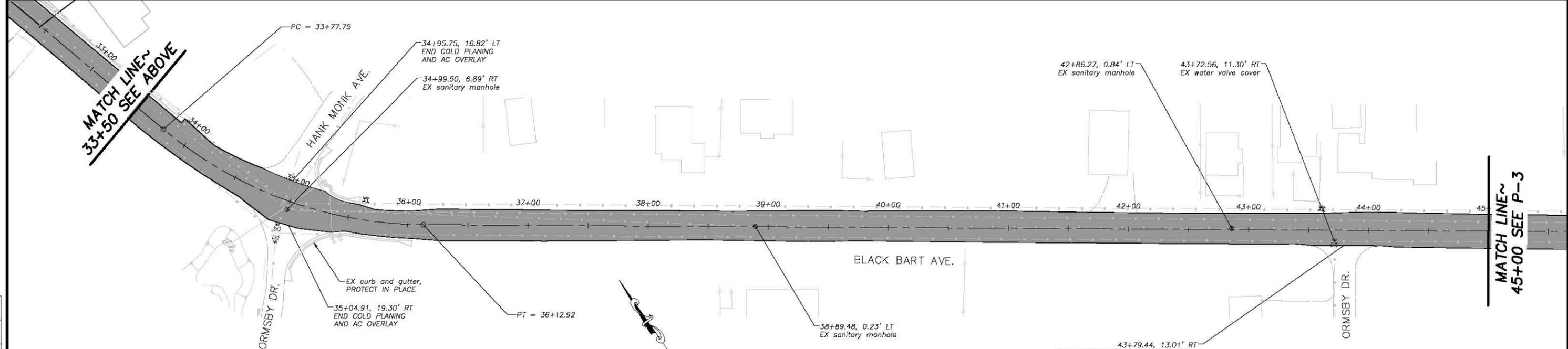
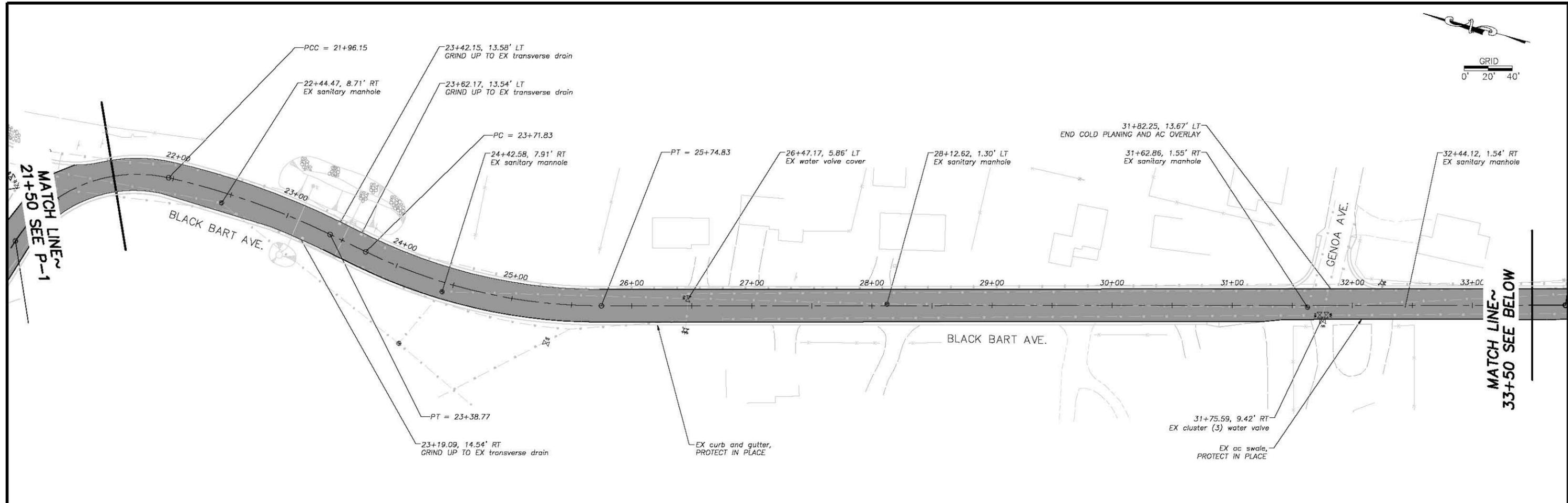


COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

BLACK BART AVENUE, BARBARA AVENUE,
 AND MARTIN AVENUE OVERLAY PROJECT
 BARBARA PLAN STA 29+75 TO 43+93.94
 MARTIN-BLACK BART PLAN STA 10+00 TO 21+00

SHEET
P-1
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 CONTRACT NO.
PW 14-31082
 CIP No.
72188

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
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!! WARNING !!

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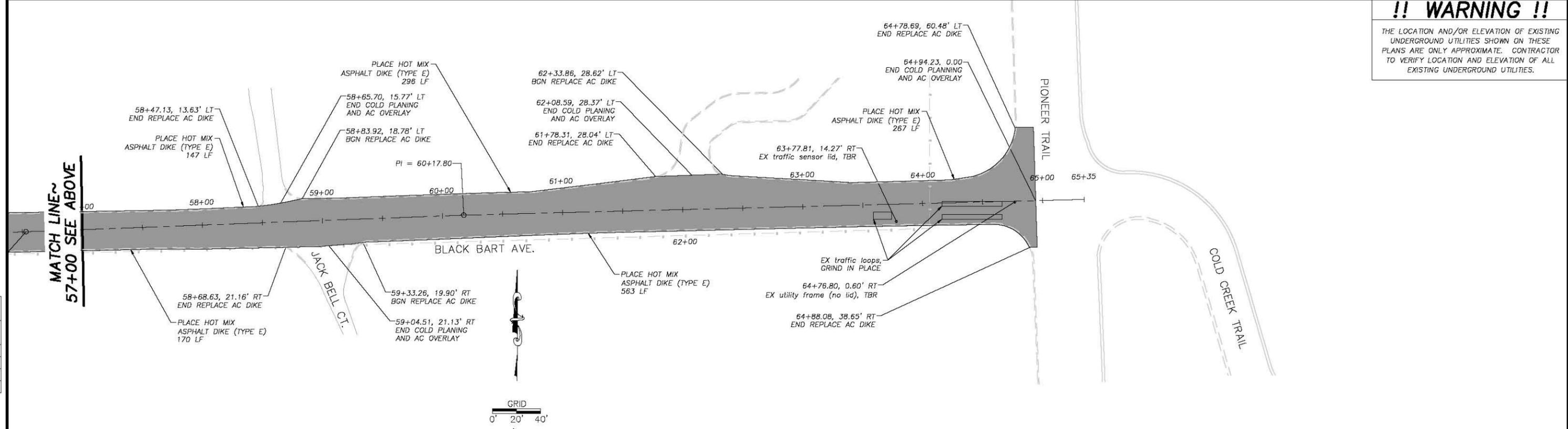
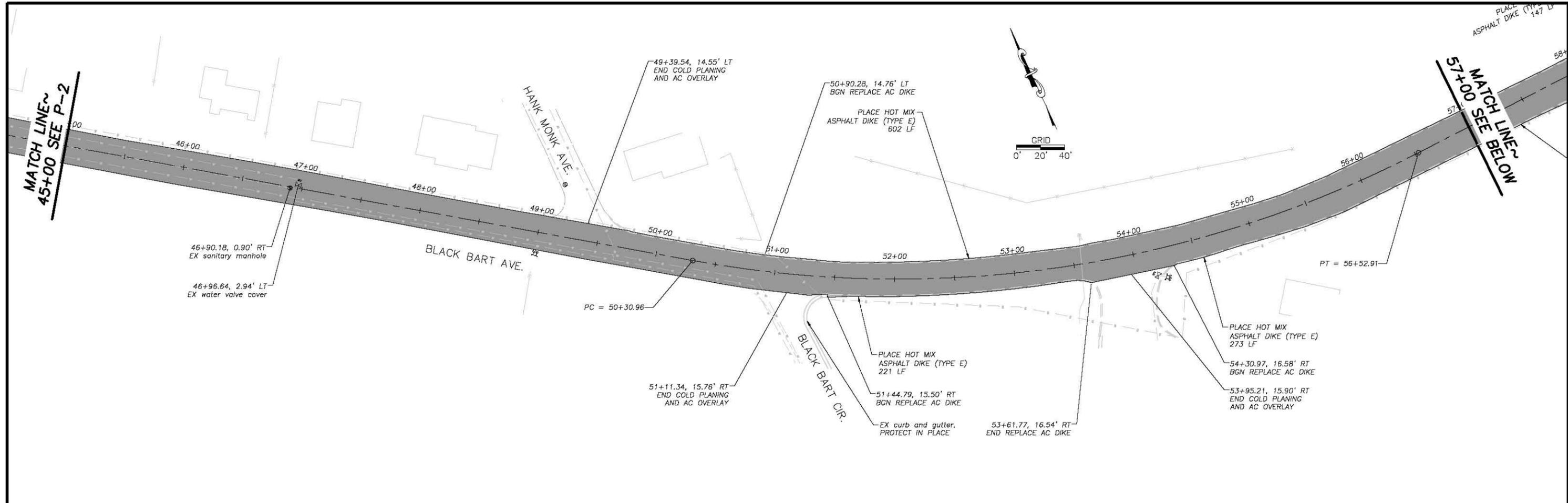


**COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION**

**BLACK BART AVENUE, BARBARA AVENUE,
 AND MARTIN AVENUE OVERLAY PROJECT
 BLACK BART PLAN STA 21+50 TO 45+00**

SHEET
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 CONTRACT NO.
PW 14-31082
 CIP No.
72188

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 REVISION



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[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 03/16/2015

DESIGNED: DWK
 DRAWN: KIS
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 ROAD NUMBER:

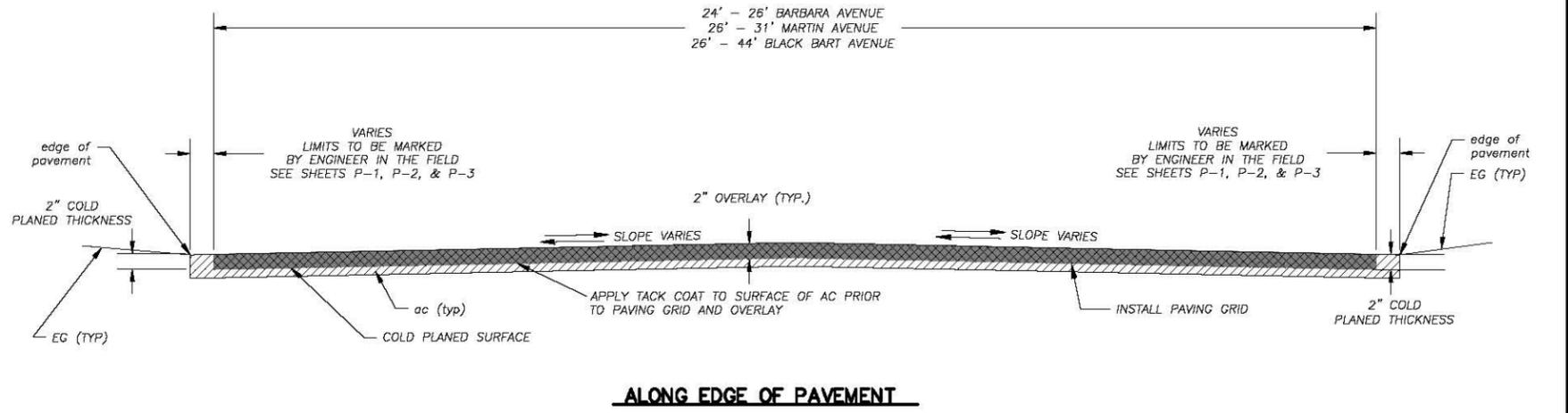
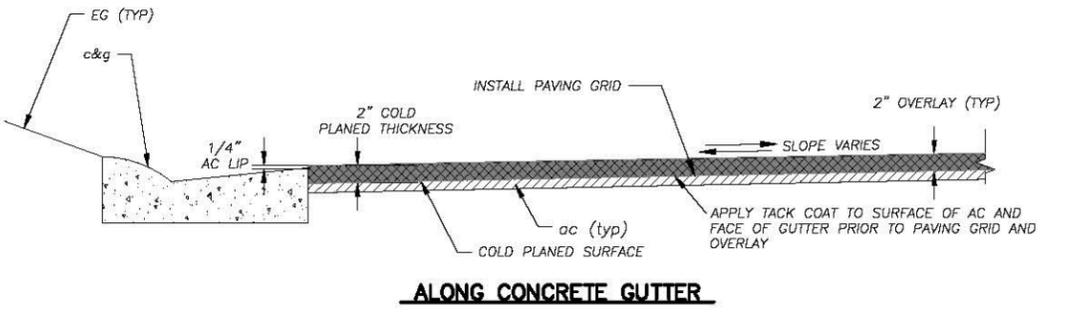
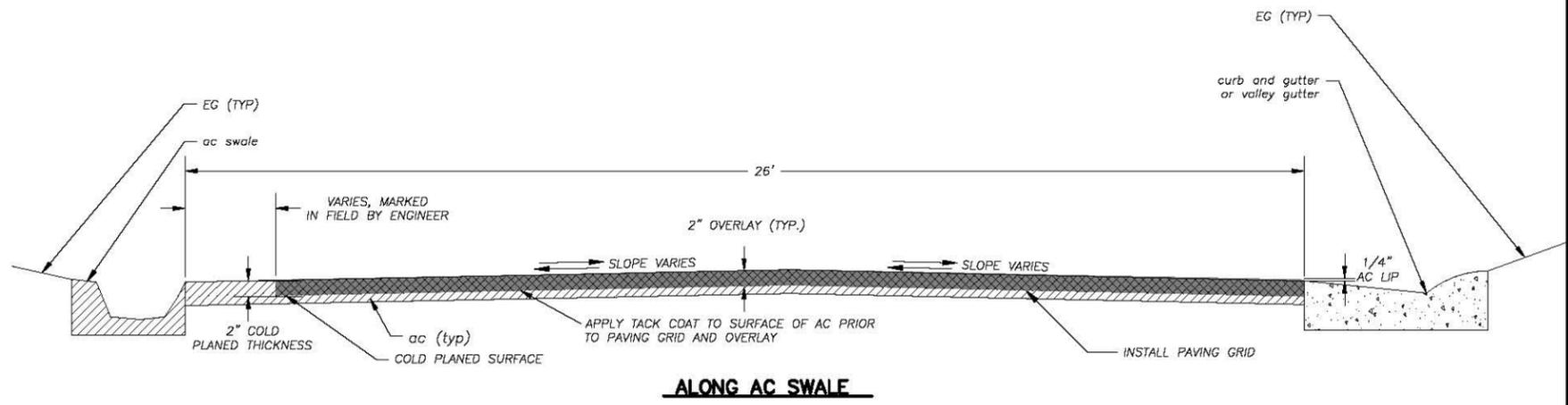
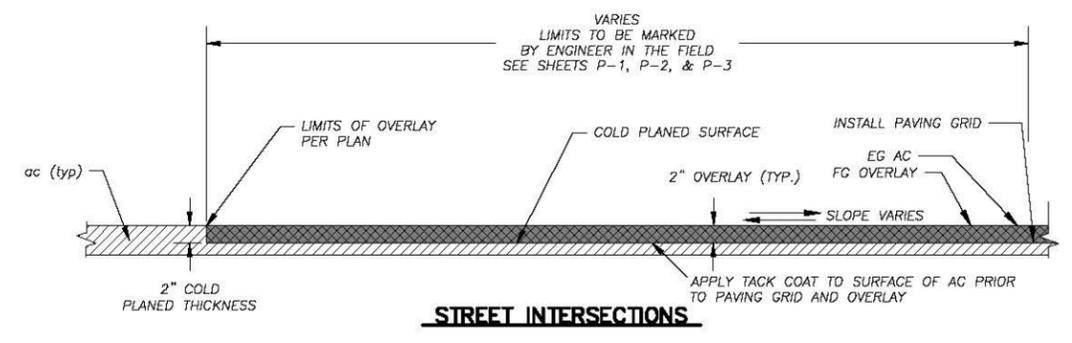


**COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION**

**BLACK BART AVENUE, BARBARA AVENUE,
 AND MARTIN AVENUE OVERLAY PROJECT
 BLACK BART PLAN STA 45+00 TO 65+00**

SHEET
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 CONTRACT NO.
PW 14-31082
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72188

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 FOR REDUCED PLANS



NOTES: PAVING GRID TO BE RG1010 BY ALLIANCEGEO, GG8511 BY TENSAR, OR APPROVED EQUAL

AC COLD PLANING AND AC OVERLAY

NTS

1
D-1

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 03/16/2015

DESIGNED: DWK
 DRAWN: KIS
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COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION

BLACK BART AVENUE, BARBARA AVENUE,
 AND MARTIN AVENUE OVERLAY PROJECT
 DETAILS

SHEET
D-1
 6 OF 6
 CONTRACT NO.
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