

ABBREVIATIONS:

AC - ASPHALT CONCRETE	LIP - LIP OF GUTTER
AB - AGGREGATE BASE	L.S. - LONG SWEEP
APPROX. - APPROXIMATELY	MH - MANHOLE
AVE. - AVENUE	MON. - MONUMENT
BC - BEGIN CURVE	NG - NATURAL GROUND
C&G - CURB AND GUTTER	OG - ORIGINAL GROUND
CL - CENTER LINE	P - PROPOSED
CONC - CONCRETE	PC - POINT OF CURVATURE
CR - CURB RETURN	PL - PROPERTY LINE
CULV. - CULVERT	PP - POWER POLE
DTL - DETAIL	PT - POINT OF TANGENCY
DWY - DRIVEWAY	PUE - PUBLIC UTILITY ESMT.
DYLN - DOUBLE YELLOW LINE	R/W - RIGHT-OF-WAY
EC - END CURVE	SCH - SCHEDULE
EL - ELEVATION	SD - STORM DRAIN
EP - EDGE OF PAVEMENT	SHT - SHEET
ESMT. - EASEMENT	SS - SANITARY SEWER
EX. - EXISTING	ST. - STREET
EXP. - EXPIRES	STA. - STATION
F.E.S. - FLARED END SECTION	STD. - STANDARD
FH - FIRE HYDRANT	SW - SIDEWALK
FG - FINISH GRADE	TBC - TOP BACK OF CURB
FL - FLOW LINE	TBW - TOP BACK OF WALK
FM - SEWER FORCE MAIN	TC - TOP OF CURB
FND. - FOUND	TOE - TOE OF SLOPE
GB - GRADE BREAK	TOP - TOP OF SLOPE
HORIZ. - HORIZONTAL	TP - TELEPHONE POLE
HP - HIGH POINT	VERT. - VERTICAL
INTX. - INTERSECTION	w/ - WITH
INV. - INVERT	W - WATER
I.P. - IRON PIPE	WM - WATER METER
JP - JOINT POLE	WV - WATER VALVE

LEGEND

PROPOSED

C & G, SW, DWY IMPROVEMENTS
 VALLEY GUTTER FL

EXISTING

	DRAINAGE INLET
	SEWER MANHOLE
	STORM DRAIN MANHOLE
	FH
	WATER VALVE
	WATER SERVICE
	SEWER SERVICE
	POWER POLE
	LIGHT POLE
	SIGN
	MONUMENT
	CONCRETE
	AB
	AC
	NATIVE SOIL
	FLOW ARROW
	SURVEY CONTROL SYMBOLS

UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
SEWER	LAKE COUNTY SPECIAL DISTRICTS	STAFF	(707) 263-0119
DRAINAGE	CITY OF CLEARLAKE	STAFF	(707) 994-8201
WATER	HIGHLANDS WATER COMPANY	STAFF	(707) 994-2393
IRRIG. WATER	CITY OF CLEARLAKE	STAFF	(707) 994-8201
FIRE	LAKE COUNTY FIRE PROTECTION DISTRICT	STAFF	(707) 994-0733
CABLE TV	MEDIACOM	AGENT	(845) 490-3326
ELECTRICAL	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(877) 743-7782
GAS	NO NATURAL GAS PRESENT IN LAKE COUNTY	STAFF	-
PHONE	AT&T	STAFF	(415) 499-4900
USA	UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600

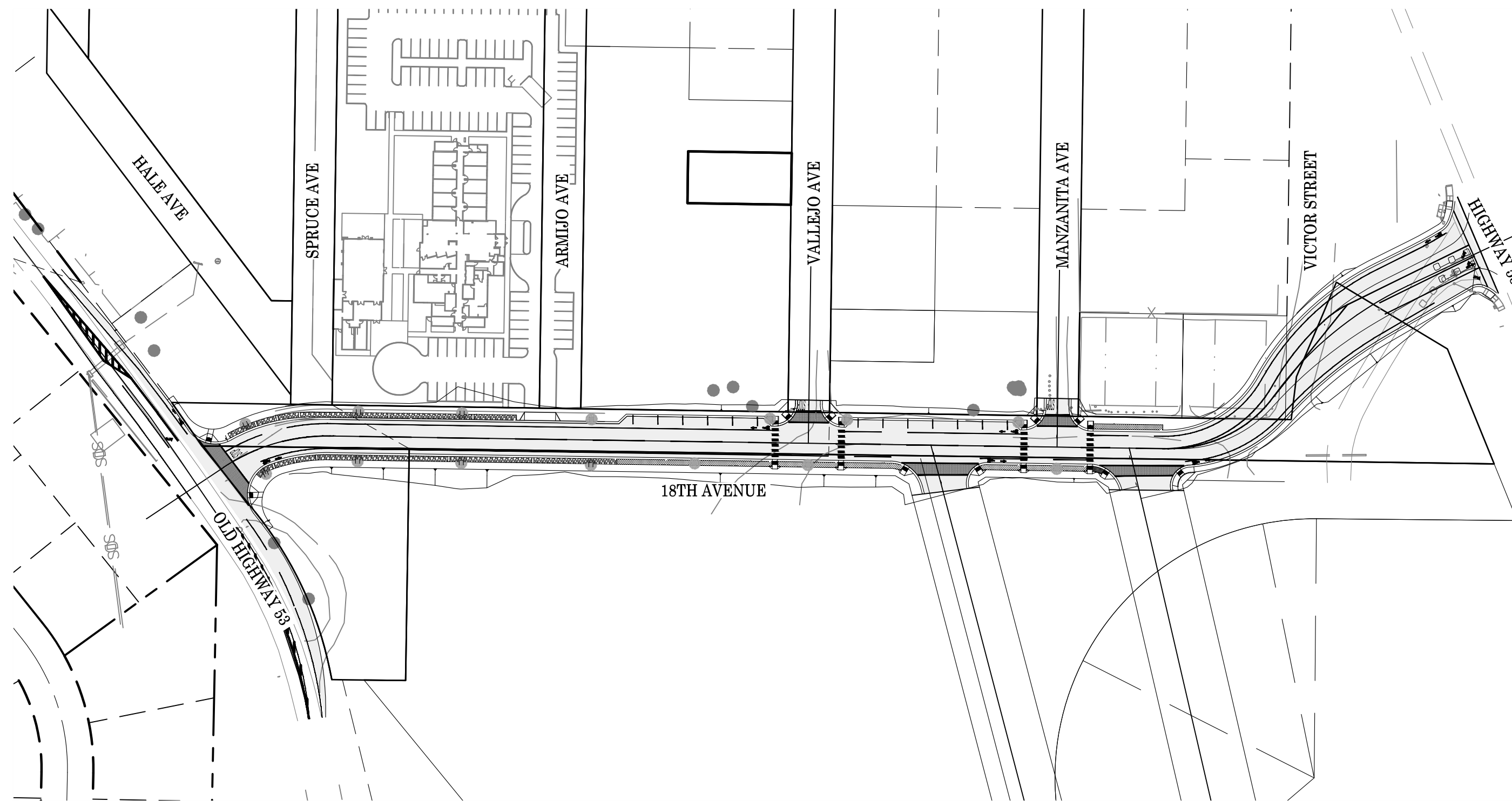
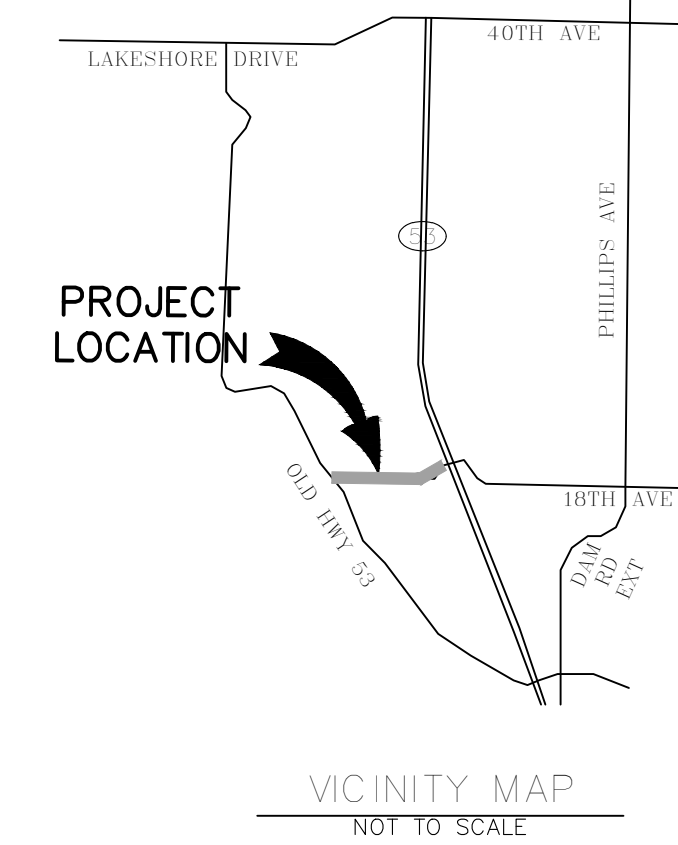
18TH AVENUE ROAD IMPROVEMENT PROJECT

CITY OF CLEARLAKE

PROJECT #LF2022(6)

LAKE COUNTY, CALIFORNIA

XXXXX 2022



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CEC GENERAL NOTES

- 1.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, CITY OF CLEARLAKE STANDARD PLANS AND SPECIFICATIONS, AND TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION AND WITH THE PRODUCT MANUFACTURE INSTALLATION REQUIREMENTS AND RECOMMENDATIONS. THE CONTRACTOR SHALL OBTAIN A COPY OF THE CITY'S IMPROVEMENT AND CONSTRUCTION STANDARDS PRIOR TO CONSTRUCTION. IN THE ABSENCE OF A SPECIFICATION FOR AN ITEM IN THESE PLANS AND THE CITY OF CLEARLAKE STANDARD PLANS AND SPECIFICATIONS, ALL APPLICABLE FEDERAL AND STATE LAWS ARE TO BE ADHERED TO AND MEET CURRENT ENGINEERING AND CONSTRUCTION STANDARD PRACTICES TO THE SATISFACTION OF THE CITY ENGINEER.
- 2.) THE TYPES, LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATIONS WILL REVEAL SUCH INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY, INC. ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE LOCATION OF THE EXISTING UTILITIES ON THE PLANS, NOR FOR OTHER UTILITIES THAT MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT HE IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT THAT SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION.
- 3.) IN THE EVENT THERE IS A DISCREPANCY OR TYPOGRAPHICAL ERROR WITHIN THESE PLANS, OR REQUEST FOR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE ENGINEER SHALL BE ALLOWED A MINIMUM OF TWO WORKING DAYS TO ADDRESS THE ISSUE.
- 4.) SHOULD ASPHALT, EXISTING PAVEMENT, OR STRIPING BE DAMAGED OR DESTROYED DURING CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT PRIOR TO COMPLETION OF PROJECT.
- 5.) ONLY SIGNED PLANS BY ALL PARTIES INVOLVED SHALL BE CONSIDERED APPROVED. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE THE PLANS HAVE BEEN APPROVED. THE CONTRACTOR SHALL HAVE ALL PERMITS AND APPROVED PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.
- 6.) THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT BEFORE DIGGING (800-227-2600) AT LEAST 72 HOURS BEFORE BEGINNING WORK.
- 7.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WORK WITH ALL SUBCONTRACTORS, UTILITY COMPANIES, AND THE CITY OF CLEARLAKE.
- 8.) THE CONTRACTOR SHALL CONTACT THE CITY OF CLEARLAKE PUBLIC WORKS DEPARTMENT AT LEAST 72 HOURS IN ADVANCE/PRIOR TO COMMENCEMENT OF WORK.
- 9.) ADJACENT STREET FRONTAGES SHALL BE SWEEP AT LEAST ONCE A DAY AND AT THE END OF EACH DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.
- 10.) ALL TESTING IS DONE BY THE CONTRACTOR.
- 11.) ADDITIONAL NOTES AND DETAILS ARE LOCATED ON THE FOLLOWING SHEETS.
- 12.) OWNER, NOT THE DESIGN ENGINEER, SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS ASSOCIATED WITH WORK SHOWN IN THESE PLANS, AND ASSUMES ALL LIABILITY ASSOCIATED THEREWITH.
- 13.) CONTRACTOR TO FIELD VERIFY ALL EXISTING ELEVATIONS AND INVERTS ON ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF ANY PIPE.
- 14.) ALL SURFACE UTILITY COVERS TO BE MARKED, RECORDED AND RAISED TO GRADE BY THE CONTRACTOR.

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS IDENTICAL TO THAT SOUTH BOUNDARY LINE SHOWN ON PARCEL MAP 231, ON FILE IN THE LAKE COUNTY RECORDER'S OFFICE IN BOOK 16 OF PARCEL MAPS, AT PAGE 40; SAID LINE BEING NORTH 89°19'45" WEST.

VERTICAL DATUM:

THE VERTICAL DATUM FOR THIS PROJECT IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

DESCRIPTION

NO.	DATE	DESCRIPTION

DATE: X-X-XXXX	SCALE: NTS	DRAWN BY: AMR	DESIGNED BY: AMR	CHECKED BY: DLS
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CIVIL ENGINEERING
 LAND SURVEYING
CALIFORNIA ENGINEERING COMPANY, INC.
 ESTD. 1968
 1110 Civic Center Blvd., Suite 404 | Yuba City, CA 95993 | (530) 751-0952 Office
 www.cecausa.net

LAKE COUNTY SPECIAL DISTRICTS
 APPROVED BY:
 SCOTT HARTER, P.E. #C65026 ADMINISTRATOR DATE

HIGHLANDS WATER COMPANY
 APPROVED BY:
 JEFF DAVIS GENERAL MANAGER DATE

CITY OF CLEARLAKE
 APPROVED BY:
 DAVID L. SWARTZ, P.E. # C52840 - P.L.S. # 8401 CITY ENGINEER DATE

CALIFORNIA ENGINEERING COMPANY, INC.
 SUBMITTED BY:
 MARISA R. HEWITT, P.E. # C91572 PROJECT ENGINEER DATE

CITY OF CLEARLAKE

COVER

PROJECT NUMBER
21-719

SHEET
01 OF **18**

18TH AVENUE ROAD IMPROVEMENT PROJECT

CEC GENERAL NOTES

- 1.) THE CONSTRUCTION CONTRACTOR SHALL AGREE, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CONSULTING ENGINEER AND THE CITY OF CLEARLAKE HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING DESIGN PROFESSIONAL OR THE CITY OF CLEARLAKE.
- 2.) ALL CONSTRUCTION MATERIALS, METHODS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF CLEARLAKE PUBLIC WORKS IMPROVEMENT STANDARDS, ADOPTED LATEST EDITION OF CAL TRANS CONSTRUCTION SPECIFICATIONS (RANK SHALL BE IN ABOVE LISTED ORDER WHERE DISCREPANCIES EXIST). ALL WORK IS SUBJECT TO THE APPROVAL OF PUBLIC WORKS DIRECTOR OR HIS AUTHORIZED REPRESENTATIVE. CERTIFICATION FOR CONFORMANCE WITH CITY SPECIFICATIONS WILL BE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE PUBLIC WORKS DIRECTOR.
- 3.) THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DIRECTOR 72-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION.
- 4.) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS FOR THE PROJECT, AND BE IN RECEIPT OF SUCH PERMITS AND APPROVED PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- 5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODIES. FOR MORE INFORMATION, PLEASE CONTACT THE DEPARTMENT OF INDUSTRIAL RELATIONS (916-455-5818).
- 6.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO SEE THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE CURRENT CITY BUSINESS LICENSES. THE WORK WILL NOT BE ACCEPTED FOR COMPLETION UNTIL SUBMITTAL OF A COMPLETE LIST WITH LICENSE NUMBERS TO THE FINANCE DIRECTOR OR PUBLIC WORKS DIRECTOR.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE WORK AND SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY DAMAGE TO CITY OR PRIVATE IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO CURRENT CITY OF CLEARLAKE STANDARDS.
- 8.) THE CONTRACTOR IS TO EXPOSE THE ENDS OF WATER MAINS, SEWER AND DRAIN LINES AND EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO PLACEMENT OF PIPE.
- 9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE CONSULTING ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR PUBLIC WORKS DIRECTOR, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10.) THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON HIS BEHALF, ON THE JOB SITE DURING ALL WORKING HOURS.
- 11.) THE CITY OF CLEARLAKE IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 72-HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 1-800-227-2600.
- 12.) THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A.
- 13.) CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY ANNUAL CALOSH A TRENCHING PERMIT AND A COPY OF THE COMPANIES LETTER INFORMING CALOSH A OF THE TIME OF TRENCHING PRIOR TO EXCAVATION OF TRENCHES 5' OR DEEPER.
- 14.) ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY'S NOISE ORDINANCE.
- 15.) IF ANY AMOUNT OF BONES OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 165 FEET OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED TO DEVELOP (IF NECESSARY) FURTHER MITIGATION MEASURES TO REDUCE ANY ARCHEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA. DO NOT MOVE ANY BONES OR ARTIFACTS EXCEPT AT THE ARCHEOLOGIST'S DIRECTION.
- 16.) CONTRACTOR SHALL PROVIDE THE PUBLIC WORKS DIRECTOR WITH SUBMITTALS FOR ALL MATERIALS TO BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.
- 17.) CERTIFICATION FOR CONFORMANCE WITH THE CITY OF CLEARLAKE SPECIFICATIONS WILL BE REQUIRED OF ALL MATERIAL USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE PUBLIC WORKS DIRECTOR.
- 18.) CONTRACTOR SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE.
- 19.) ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.
- 20.) A SOILS ENGINEER MAY BE ENGAGED BY THE CONTRACTOR TO CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION COMPLY WITH THE SPECIFICATIONS AND THAT SPECIAL WORK REQUIRED HAS BEEN DONE SATISFACTORILY.
- 21.) THE CONTRACTOR SHALL USE A WATER TRUCK WHEN REQUIRED TO MAINTAIN ADEQUATE DUST CONTROL.
- 22.) INTERMEDIATE TRENCH BACK FILL SHALL BE IN MAXIMUM LIFTS OF 8" AND SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% OR AS DIRECTED BY THE SOILS ENGINEER. COMPACTION SHALL BE BY THE MECHANICAL MEANS.
- 23.) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), EROSION AND SEDIMENT CONTROL PLAN (ESCP), OR STORMWATER CONTROL PLAN (SCF).
- 24.) PRIOR TO THE BEGINNING OF EARTHWORK THE CONTRACTOR SHALL CLEAR ALL ROOTS, ORGANIC MATTER, DEBRIS, PAVING, CURB, AND VEGETATION DESIGNATED TO BE SAVED, FROM THE AREA WITHIN WHICH EXCAVATION AND GRADING ARE TO BE CONDUCTED OR STORAGE OF EXCAVATED MATERIALS OR FILL IS TO BE MADE.
- 25.) IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.
- 26.) DIMENSIONS SHOWN ON PLANS ARE TO CENTERLINE OF PIPE, UNLESS OTHERWISE NOTED.
- 27.) SEWER AND WATER AND SERVICES TO HAVE A MINIMUM 10 FEET HORIZONTAL SEPARATION.
- 28.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BY POTHOLING.

CEC GENERAL NOTES CONTINUED

- 29.) CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. THE TYPES, LOCATIONS, SIZES AND DEPTH OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY, THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATIONS WILL REVEAL ACTUAL INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS, NOR ACCURACY, NOR FOR OTHER UTILITIES WHICH MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT THEY ARE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT CONFLICTS EXIST OR SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY AND ALLOW 2 WORKING DAYS FOR CHANGE TO BE MADE, COORDINATED AND APPROVED.

CITY OF CLEARLAKE GENERAL NOTES

- 1.) ALL MATERIAL WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CITY OF CLEARLAKE STANDARD SPECIFICATIONS AND STANDARD PLANS.
- 2.) CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF CLEARLAKE, 14050 OLYMPIC DRIVE, CLEARLAKE, CA. 95422 BEFORE START OF WORK. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMIT.
- 3.) CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM ALL AGENCIES AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK.
- 4.) CONTRACTOR SHALL GIVE THE CITY OF CLEARLAKE PUBLIC WORKS DEPARTMENT 72 HOURS NOTICE BEFORE STARTING WORK. CALL (707) 994-8201 OR CONTACT AT 14050 OLYMPIC DRIVE, CLEARLAKE, CA. 95422 FOR INSPECTION SERVICES.
- 5.) A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO BEGINNING OF WORK. CONTACT THE PUBLIC WORKS DIRECTOR TO SCHEDULE SUCH MEETING.
- 6.) WORK HOURS ARE LIMITED TO FROM MONDAY THROUGH FRIDAY 8:00 A.M. TO 5:00 P.M. DEVIATIONS FROM THESE HOURS MAY BE APPROVED IN WRITING BY THE ENGINEER. INSPECTION WILL BE AVAILABLE MONDAY THROUGH FRIDAY FROM 8:00 A.M. TO 4:30 P.M. CONTRACTORS SHALL SCHEDULE INSPECTIONS 48-72 HRS. IN ADVANCE BY CALLING (707) 994-8201.
- 7.) ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE PUBLIC WORKS DIRECTOR AND THE OWNER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- 8.) GRADE BREAKS ON CURBS AND SIDEWALKS SHALL BE ROUNDED OFF IN FORMS AND SURFACE FINISHING.
- 9.) SIDEWALK WARPS SHALL BE PROVIDED TO ALLOW A CLEAR 4-FOOT WALKWAY IN ALL LOCATIONS INCLUDING WHERE MAILBOXES, UTILITY POLES, FIRE HYDRANTS, AND GUY WIRES ARE TO BE INSTALLED.
- 10.) THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE APPROVAL OF MAIL BOX LOCATIONS BY THE LOCAL BRANCH OF THE UNITED STATES POST OFFICE. SIDEWALK WARPS ARE REQUIRED PER STANDARD DETAIL OF THE CITY OF CLEARLAKE.

CITY OF CLEARLAKE NOTIFICATION FOR INSPECTIONS

- APPROVAL OF ALL WORK SHALL BE NECESSARY AT THE COMPLETION OF EACH OF THE FOLLOWING STAGES OF WORK AND SUCH APPROVAL MUST BE OBTAINED BEFORE SUBSEQUENT STAGES OF WORK MAY BE COMMENCED. ADDITIONALLY, THE INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HRS. IN ADVANCE OF ANY OF THE FOLLOWING STAGES OF WORK.
- ANY CONSTRUCTION OR EXCAVATION REQUIRING INSPECTION THAT IS UNDERTAKEN WITHOUT INSPECTION IS SUBJECT TO RECONSTRUCTION AND RE-EXCAVATION AT THE CONTRACTOR'S EXPENSE. INSPECTION MUST BE SCHEDULED FOR THE FOLLOWING WORK:
- 1.) COMPACTION AND PREPARATION OF EMBANKMENTS, EXCAVATIONS, AND SUB-GRADE.
 - 2.) CONSTRUCTION OF FORMS FOR ALL CONCRETE STRUCTURES, INCLUDING CURBS, GUTTERS, AND SIDEWALKS.
EXCAVATION FOR STORM DRAINS AND CULVERTS.
 - 3.) PLACING OF CONCRETE IN STRUCTURES, INCLUDING CURBS, GUTTERS AND SIDEWALKS.
PLACING OF STORM DRAINS AND CULVERT PIPES.
 - 4.) EXCAVATION AND BACKFILL FOR STRUCTURES AND PIPES AND PUBLIC UTILITIES. WATER AND SEWER FACILITIES MUST BE INSPECTED BY THE COMPANY/ AGENCY WITH JURISDICTION.
 - 5.) CONSTRUCTION OF ROADSIDE DITCHES AND OTHER DRAINAGE WAYS.
 - 6.) PLACING AND COMPACTING OF BASE MATERIAL. IF MORE THAN ONE COURSE OR TYPE OF BASE OR SUB-BASE IS TO BE USED, APPROVAL SHALL BE NECESSARY FOR EACH COURSE AND/OR TYPE.
 - 7.) PLACING OF PAVEMENT OR SURFACING. WITHIN 48 HOURS OF PAVING, ALL UTILITY COVERS SHALL BE BROUGHT TO GRADE AND INSPECTED.
 - 8.) STRIPING & SIGNING LAYOUT AND PLACEMENT.
 - 9.) FINAL CLEAN-UP.

CITY OF CLEARLAKE GRADING NOTES

- 1.) A GRADING OR ENCROACHMENT PERMIT, SHALL BE ISSUED BY THE CITY OF CLEARLAKE PUBLIC WORKS DEPARTMENT PRIOR TO ANY GRADING SHOWN ON THESE PLANS.
- 2.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE SOILS ENGINEER. ALL GRADING SHALL BE PERFORMED TO THE SATISFACTION OF THE SOILS ENGINEER AND SHALL BE IN CONFORMANCE WITH THE PRELIMINARY SOILS REPORT AND CHAPTER 70 -- APPENDIX OF THE ADOPTED U.B.C..
- 3.) STREET SUB-GRADE AND PARKING LOT SUB-GRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION TO DEPTH OF NO LESS THAN 6" IN THE ROADWAY SECTION. ASPHALT CONCRETE AND CLASS 2 AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- 4.) THE USE OF THE SAND CONE METHODS (SUCH AS ASTM 1557 OR CAL 216) FOR DETERMINING FIELD DENSITIES WILL NOT BE ALLOWED AS A SUBSTITUTE FOR NUCLEAR GAUGE TESTING.

CITY OF CLEARLAKE GRADING NOTES CONTINUED

- 5.) ALL GRADED AREAS AND EXPOSED SOIL WITHIN THIS PROJECT SHALL BE SEEDED FOR EROSION CONTROL BY THE CONTRACTOR. SEED AND MULCH WILL BE APPLIED BY OCTOBER 1ST TO ALL CUT AND FILL SLOPES WITHIN OR ADJACENT TO PROJECT ROADS. SEED AND FERTILIZER WILL BE APPLIED HYDRAULICALLY OR BY HAND AT THE RATES SPECIFIED BELOW. ON SLOPES, STRAW WILL BE APPLIED BY BLOWER OR BY HAND AND ANCHORED IN PLACE BY PUNCHING. ALL CRITICAL EARTHWORK OPERATIONS SHALL BE PERFORMED DURING THE DRY WEATHER SEASON, FROM MAY 1ST TO OCTOBER 1ST OR AS OTHERWISE APPROVED BY THE CITY ENGINEER. THE CLEARING OF EXISTING VEGETATION SHALL BE CONFINED WITHIN THE LIMITS OF ACTUAL EARTHWORK. INCREMENTAL DEVELOPMENT SHALL BE REQUIRED TO ENSURE THAT THE AMOUNT OF LAND CLEARED AT ANY TIME IS LIMITED TO THE AREA THAT CAN BE DEVELOPED DURING THE CONSTRUCTION PERIOD. STORM WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY DOWN UNPROTECTED SLOPES. ENERGY DISSIPATING STRUCTURES AND EROSION CONTROL DEVICES SHALL BE PLACED AT ALL DRAINAGE OUTLETS WHICH DISCHARGE TO NATURAL CHANNELS AS SHOWN ON THESE PLANS. ALL SEDIMENT TRAPS SHALL BE MAINTAINED BY THE OWNER UNTIL SUCH TIME THAT THE CITY ACCEPTS MAINTENANCE RESPONSIBILITY.
- | ITEM | POUNDS PER ACRE |
|------------------------------------|------------------------------------|
| "BLANDO BROME" | 30 |
| ALTA FESCUE | 20 |
| CRIMSON CLOVER | 20 |
| NARROW LEAF BIRDS FOOT TREFOIL | 20 |
| FERTILIZER (16-20-0 & 15% SULPHUR) | 500 |
| STRAW MULCH | 4000 OR 3500 LBS OF WOOD CELLULOSE |
- 6.) ANY EXISTING SEPTIC SYSTEM AND EXISTING WELLS IF REQUIRED SHALL BE ABANDONED UNDER PERMIT FROM THE LAKE COUNTY ENVIRONMENTAL HEALTH DEPT.
 - 7.) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE DUST CONTROL MEASURES FOR THE ENTIRE CONSTRUCTION PERIOD OF THIS PROJECT TO THE SATISFACTION OF THE CITY.

CITY OF CLEARLAKE GENERAL UNDERGROUND NOTES

- 1.) NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THESE PLANS, MAY BE ENCOUNTERED. THOSE SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE OWNER, THE ENGINEER, AND THE CITY OF CLEARLAKE ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WORKING WITHIN THE LIMITS OF THIS PROJECT.
- 2.) CONTRACTOR SHALL NOT BEGIN EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS BEFORE STARTING WORK.
- 3.) UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
- 4.) CONTRACTOR SHALL UNCOVER EXISTING BURIED UTILITIES WITH UTILITY OWNER TO VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES. BURIED UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER MAINS AND LATERALS, SEWER LINES, STORM DRAINS, GAS MAINS AND LATERALS, ELECTRICAL DISTRIBUTION LINES AND TELEPHONE LINES. ALL UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED PRIOR TO THE START OF CONSTRUCTION.
- 5.) THE CONTRACTOR SHALL VERIFY EXISTING INVERTS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE PROJECT AND/OR DESIGN ENGINEER MAY ADJUST THE GRADE OF NEW SEWER CONSTRUCTION ACCORDINGLY WITH CONCURRENCE FROM THE APPROPRIATE AGENCIES.
- 6.) DISTANCES AND INVERTS ARE TO AND AT THE CENTER OF THE MANHOLES, CLEANOUTS, DROP INLETS, CATCH BASINS, AND YARD DRAINS OR AS MARKED ON THE DRAWINGS.
- 7.) ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.
- 8.) THE CONTRACTOR SHALL STAMP THE LETTER "S" ON THE FACE OF CURB DIRECTLY ABOVE THE SEWER LATERAL, AND THE LETTER "W" ON THE FACE OF CURB DIRECTLY ABOVE WATER SERVICES, AND "B" ON FACE OF CURB DIRECTLY ABOVE A BLOW OFF OR AIR RELIEF VALVE. AT A DRIVEWAY THE STAMP SHALL BE PLACED AT THE BACK OF RAMP. THE LETTERS SHALL BE 4" HIGH AND COMPLETELY LEGIBLE.
- 9.) ALL MATERIAL, WORKMANSHIP AND CONSTRUCTION DETAILS SHALL CONFORM TO THE CITY OF CLEARLAKE DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS, INCLUDING ALL ADDENDA, STANDARD PLAN REVISIONS AND SPECIAL PROVISIONS.
- 10.) ITEMS SPECIFIED ON THE STANDARD PLANS ARE APPROVED FOR USE BY THE CITY OF CLEARLAKE. ALL SUBSTITUTES OR ALTERATIONS SHALL BE SUBMITTED TO THE CITY OF CLEARLAKE FOR APPROVAL.
- 11.) SURFACE MOUNTED TRANSFORMERS SHALL NOT BE USED UNLESS LOCATION OF SUCH UTILITIES ARE SHOWN ON THE PLANS AND APPROVED BY THE CITY.

CITY OF CLEARLAKE STORM DRAIN NOTES

- 1.) STORM DRAIN PIPES SHALL BE C.M.P. PIPE OR H.D.P.E. TYPE S PIPE CONFORMING TO CITY STANDARD SPECIFICATION SECTION 2. MINIMUM COVER OVER PIPE TO BE 12" BACKFILLED WITH SLURRY, THE MAXIMUM ALLOWABLE COVER SHALL BE LIMITED TO 11 FEET FOR ALL SIZES.
- 2.) ALL STORM DRAIN MANHOLES SHALL HAVE A MINIMUM OF 48" IN DIAMETER. UNLESS OTHERWISE NOTED, MANHOLE FRAME AND COVER SHALL HAVE 24" CLEAR OPENING, AND BE HEAVY DUTY NON-ROCKING. RAISED LETTERS ON TOP OF THE COVER SHALL READ "STORM DRAIN", PIPES SHALL NOT PROTRUDE INSIDE THE MANHOLE. PIPE ENDS SHALL BE ROUNDED.
- 3.) STORM DRAIN MARKER "DRAINS TO LAKE" SHALL BE APPLIED PER CITY STANDARD NO. 313.
- 4.) CORRUGATED METAL AND HIGH DENSITY POLYETHYLENE STORM DRAIN PIPE SHALL BE PLACED AND BACKFILLED IN ACCORDANCE WITH CITY STANDARD 301. STORM DRAIN WITHIN CITY MAINTAINED ROADS SHALL BE MINIMUM 12 INCH DIAMETER.
- 5.) EACH NEW AND EXISTING DROP INLET, DRAINAGE INLET AND CULVERT PIPE SHALL HAVE A CLASS 2 METAL POST WITH TYPE E DELINEATOR PLACED WITH 3' OF THE STRUCTURE.

GEO TECHNICAL INVESTIGATIONS

- 1.)

CITY OF CLEARLAKE SIGNING, STRIPING AND PAVEMENT MARKINGS NOTES


- 1.) CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT (707)994-8201. OF HIS INTENT TO PLACE ANY PAVEMENT MARKER, TRAFFIC STRIPE, PAVEMENT MARKING, AND PAVEMENT LEGEND LAYOUT LINES 10 WORKING DAYS BEFORE THE MARKER AND STRIPING WORK IS TO BE PERFORMED. ALL LABOR EQUIPMENT AND MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
- 2.) ALL LAYOUT WORK IS TO BE PERFORMED BY THE CONTRACTOR AND SHALL BE FIELD APPROVED BY A CITY INSPECTOR BEFORE THE ACTUAL WORK BEGINS.
- 3.) PAVEMENT MARKERS AND TRAFFIC STRIPE DETAIL REFERENCE NUMBERS ARE SHOWN ON CALTRANS STANDARD PLAN SHEETS A20-A, A20-B, A20-C, AND A24D; SHOWN HEREIN.
- 4.) ROADSIDE SIGNS: ROADSIDE SIGNS SHALL BE AS SHOWN ON THE PLANS, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 56, "SIGNS", OF THE STATE STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE CITY.
- 5.) SIGN PANELS SHALL CONFORM TO THE CURRENT CALTRANS SIGN PANEL SPECIFICATIONS.
- 6.) LOCATIONS OF ALL SIGNS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE CITY.
- 7.) SIGN PANELS SHALL BE MOUNTED ON METAL POSTS AS DESIGNATED ON THE STANDARD PLANS. METAL POSTS SHALL BE 2-INCH SQUARE, 12 GAUGE GALVANIZED STEEL TUBING CONFORMING TO ASTM A120 WITH GALVANIZED TOP CAPS. POSTS SHALL HAVE 7 /16" DIA. HOLES @ 1" CENTERS IN ALL FOUR SIDES. END OF POST SHALL BE FINISHED TO RECEIVE THE MOUNTING CAP AND FITTINGS. EACH SIGN PANEL SHALL BE ATTACHED TO METAL POSTS WITH A MINIMUM OF (2) 5/16-INCH SELF-TAPPING SCREWS OR BOLTS. ALL FASTENERS AND ATTACHMENT HARDWARE SHALL BE GALVANIZED.
- 8.) MARKERS AND DELINEATORS: MARKERS AND DELINEATORS SHALL BE AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE PROVISIONS OF SECTION 82, "MARKERS AND DELINEATORS" OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE CITY ENGINEER.
- 9.) LOCATION OF ALL MARKERS AND DELINEATORS SHALL BE AS SHOWN ON THE CITY STANDARD PLANS AND AS DIRECTED BY THE CITY ENGINEER.
- 10.) TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 84, "TRAFFIC STRIPES AND PAVEMENT MARKINGS" OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS, AND AS DIRECTED BY THE CITY.
- 11.) ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS, INCLUDING STOP LINES, AND ALL CHANNELIZING LINES SHALL BE THERMOPLASTIC.
- 12.) THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS: THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL CONFORM TO THE PROVISIONS OF SECTION 84-2, "THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS" OF THE STANDARD SPECIFICATIONS.
- 13.) THERMOPLASTIC MATERIAL SHALL BE APPLIED AT A MINIMUM THICKNESS OF .125 INCH.
- 14.) PAVEMENT MARKERS: PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 85, "PAVEMENT MARKERS" OF THE STANDARD SPECIFICATIONS. PAVEMENT MARKERS SHALL BE PLACED TO THE LINE ESTABLISHED BY THE CITY.
- 15.) PAINTED/THERMOPLASTIC STRIPES AND PAVEMENT MARKINGS: EXISTING PAINTED/THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE NEW TRAFFIC STRIPING AND PAVEMENT MARKING PLANS SHALL BE REMOVED BY THE CONTRACTOR. IN ACCORDANCE WITH SECTION 15 OF STANDARD SPECIFICATIONS, EXCEPT THAT BLAST CLEANING SHALL NOT BE PERMITTED.
- 16.) RAISED PAVEMENT MARKER REMOVAL: EXISTING RAISED PAVEMENT MARKERS WHICH CONFLICT WITH THE NEW TRAFFIC STRIPING AND PAVEMENT MARKING PLAN SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 15 OF THE STANDARD SPECIFICATIONS.
- 17.) ALL LOCATIONS RECEIVING SURFACE TREATMENT SHALL HAVE BLUE TWO-WAY RETROREFLECTIVE PAVEMENT MARKERS INSTALLED AT EACH LOCATION OF EXISTING HYDRANT.

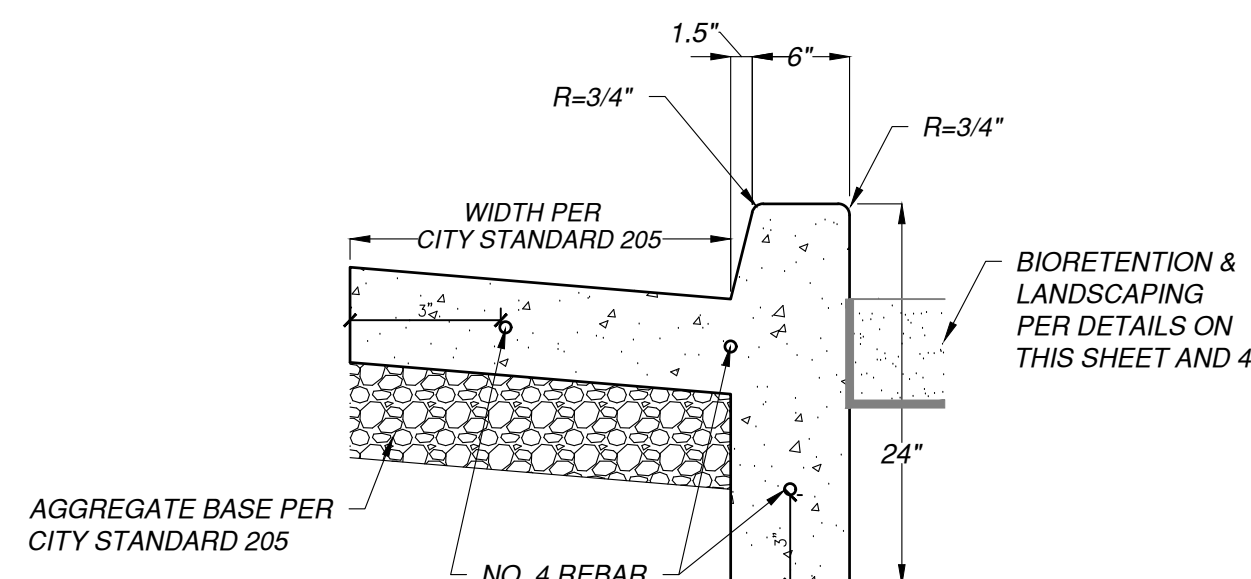
NOTIFICATION OF LOCAL INDIAN TRIBE

- 1.) CONTRACTOR SHALL NOTIFY BOTH LOCAL INDIAN TRIBES (KOI NATION AND ELEM INDIAN COLONY) AT LEAST 72 HOURS BEFORE ANY EXCAVATION TAKES PLACE.

TRAFFIC CONTROL SYSTEM

- 1.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A TRAFFIC CONTROL PLAN FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. WORK SHALL NOT BEGIN UNTIL THE PLAN IS APPROVED BY THE CITY ENGINEER.
- 2.) FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE BARRICADES SIGNED "NO PARKING-TOW AWAY- SPECIFIC TIME AND DATE(S)" AT 100' INTERVALS OR A MINIMUM OR 2 SIGNS PER BLOCK, WHICH EVER IS GREATER, IN THE WORK AREA. NO PARKING SIGNS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER PRIOR TO THEIR USE. FAILURE TO PROVIDE REQUIRED NOTICE TIME WILL PREVENT THE CITY FROM TOWING VEHICLES PARKED IN THE PROPOSED WORK AREA.

PROJECT NUMBER 21-719	CITY OF CLEARLAKE	NOTES	DESCRIPTION	NO.	DATE
				NO.	DATE
SHEET 02 OF 18	CITY OF CLEARLAKE	NOTES	DESCRIPTION	DATE: X-X-XXXX	SCALE: NTS
				DATE: X-X-XXXX	SCALE: NTS
SHEET 02 OF 18	CITY OF CLEARLAKE	NOTES	DESCRIPTION	DRAWN BY: MREH	CHECKED BY: DLS
				DRAWN BY: MREH	CHECKED BY: DLS
 <p>CALIFORNIA ENGINEERING LAND SURVEYING FUNDING PROCEEDMENT CONSTRUCTION ADMINISTRATION C O M P A N Y I N C ESTD 1968 www.ceusa.net</p>			1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office		
18TH AVENUE ROAD IMPROVEMENT PROJECT					

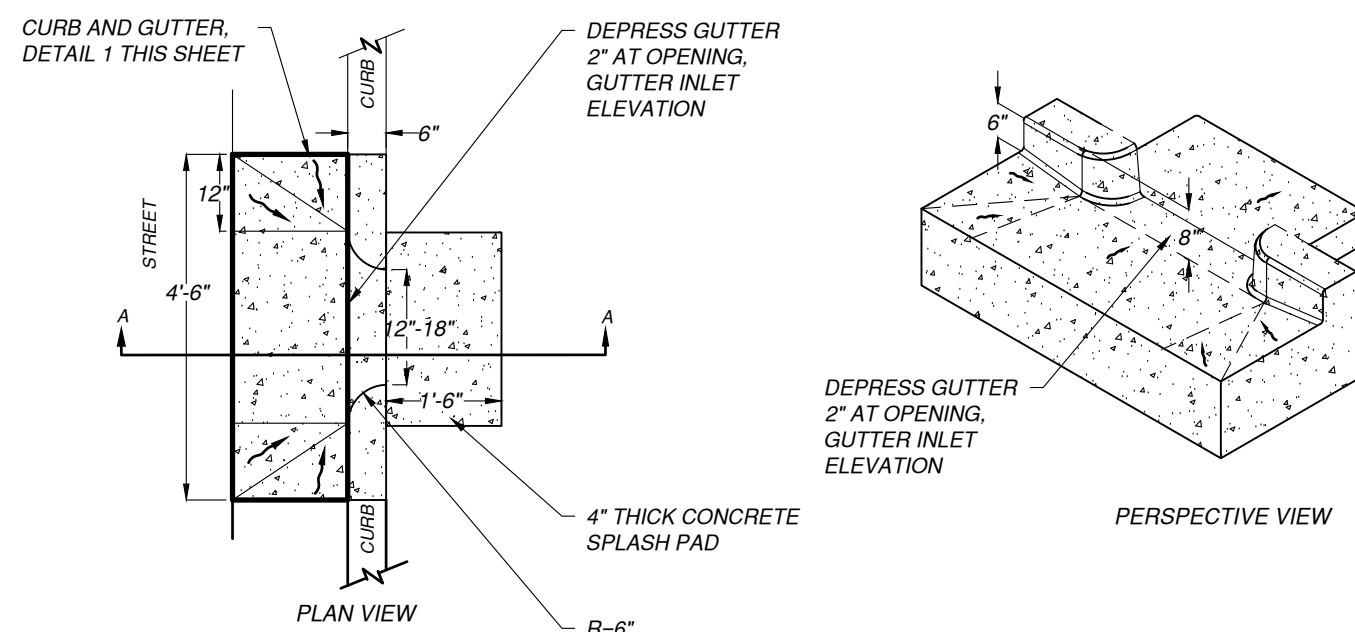


CONSTRUCTION NOTES

1. FINISH ALL EXPOSED CONCRETE SURFACES.
2. CONCRETE SHALL BE CLASS A AND CONTAIN NOT LESS THAN 6 SACKS OF CEMENT PER CUBIC YARD
3. EXPANSION JOINTS SHALL BE INSTALLED AT 60 FEET INTERVALS, WITH WEAKENED PLANE JOINTS EVERY 15 FEET
4. EXPANSION JOINTS SHALL BE PLACED IN CURB AND GUTTER AT ALL CURB RETURNS

01 CURB AND GUTTER WITH DEEP CURB- CASQA STANDARD PLAN SW-12

NOT TO SCALE

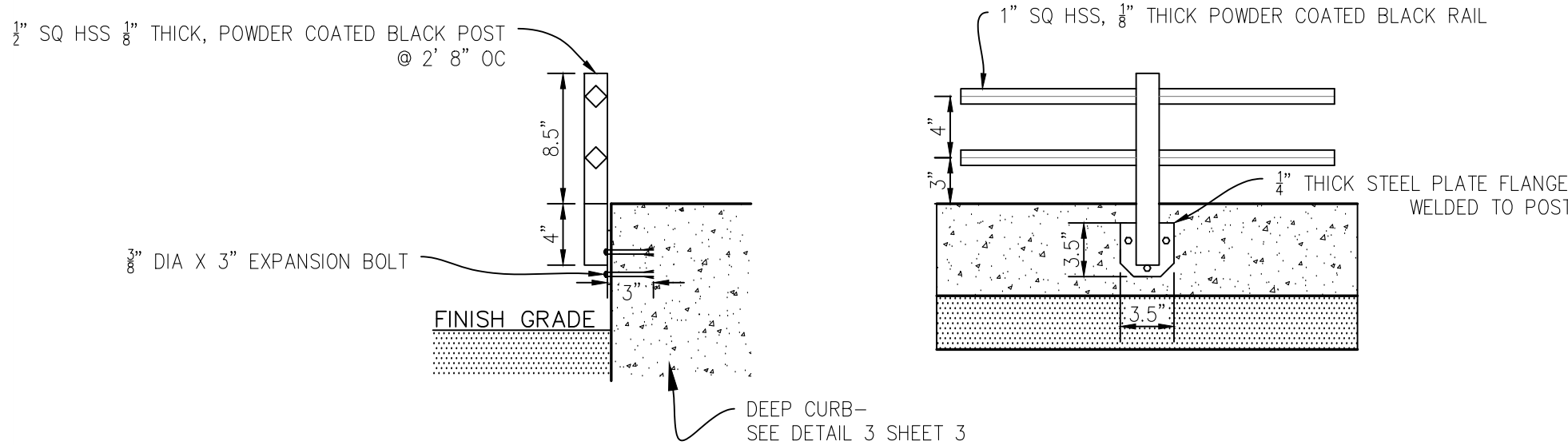


CONSTRUCTION NOTES

1. AFTER CONSTRUCTION PLACE SAND BAGS AT GUTTER OPENINGS TO KEEP STORM FLOWS FROM ENTERING FACILITY UNTIL VEGETATION IS ESTABLISHED.

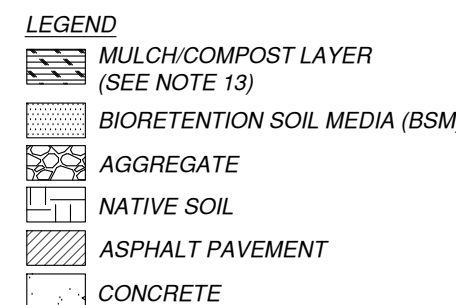
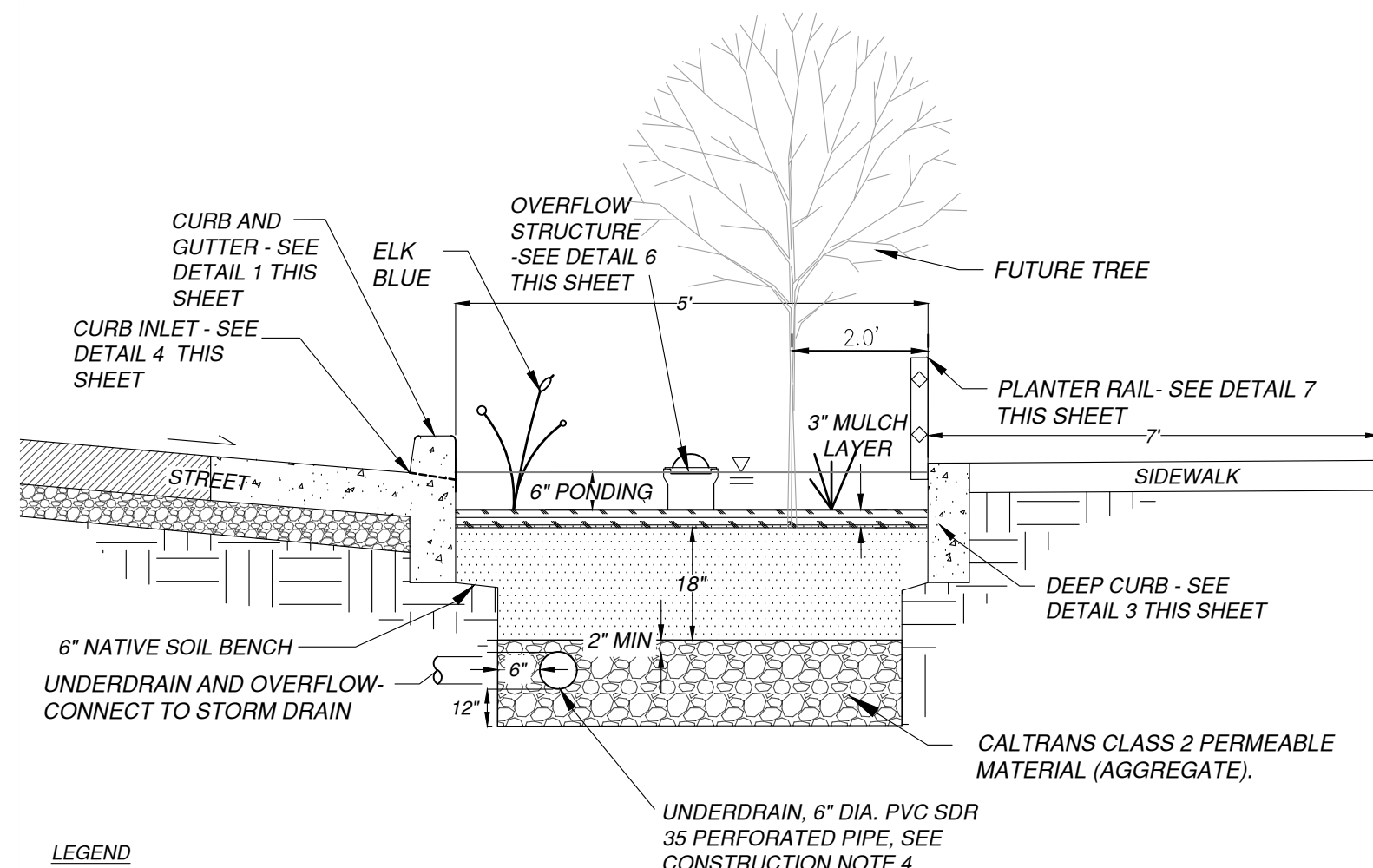
04 CURB CUT INLET- CASQA STANDARD PLAN SW-17

NOT TO SCALE



07 BIOFILTRATION/LANDSCAPING/ ROCK TRENCH RAILING

NOT TO SCALE

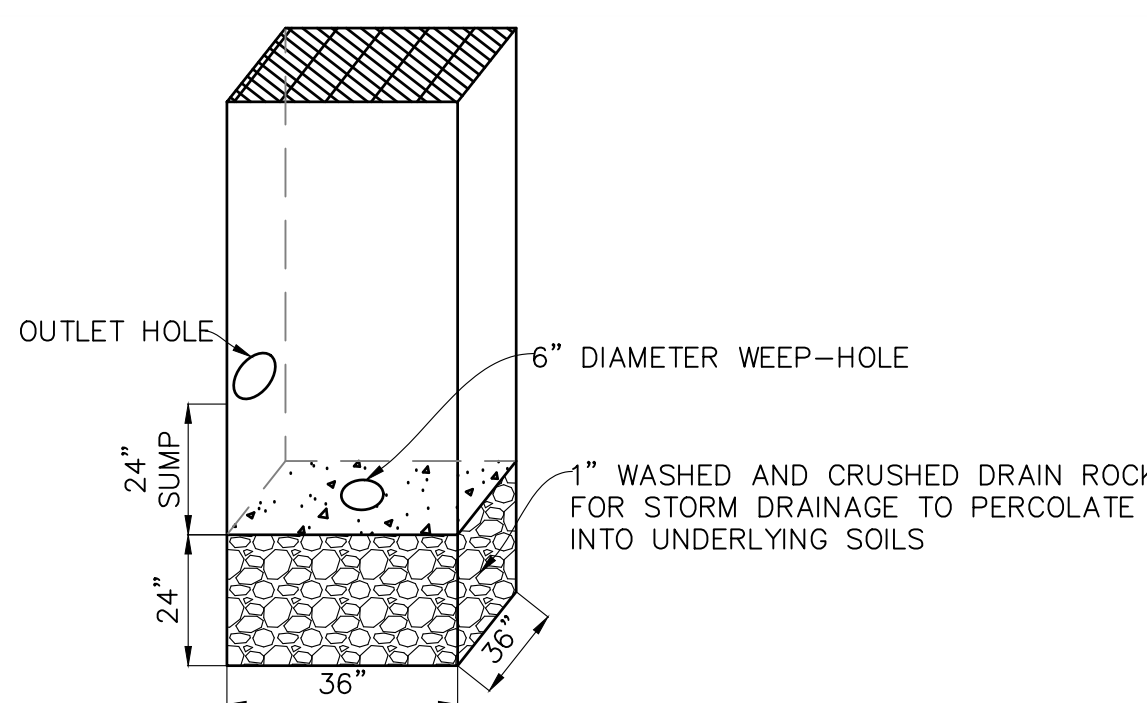


CONSTRUCTION NOTES

1. MAINTAIN UNDISTURBED NATIVE SOIL BENCH TO SUPPORT ADJACENT SIDEWALK/ROAD. SEQUENCE WORK TO CONSTRUCT CURBS BEFORE EXCAVATING BIORETENTION AREA FOR AGGREGATE AND BSM.
2. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
3. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED AGGREGATE, BSM, AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
4. INSTALL UNDERDRAIN WITH HOLES FACING DOWN. TOP OF UNDERDRAIN 2" BELOW TOP OF AGGREGATE LAYER. UNDERDRAIN SLOPE MAY BE FLAT.
5. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.
6. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
7. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
8. STORMWATER SHOULD BE DIRECTED AWAY FROM BIORETENTION UNTIL CONSTRUCTION IS COMPLETE AND DRAINAGE AREA VEGETATION IS STABILIZED.
9. PROVIDE CAPPED, THREADED PVC CLEANOUT FOR UNDERDRAIN. 4" MIN. DIA. WITH SWEEP BEND.
10. PROVIDE A CLEAN-OUT/OBSERVATION PORT IN EACH FACILITY, PER BIORETENTION TECHNICAL SPECIFICATIONS.
11. PLANTING SOILS SHOULD BE SANDY LOAM, LOAMY SAND, OR LOAM TEXTURE WITH A CLAY CONTENT RANGING FROM 10 TO 25 PERCENT AND 1.5 TO 3 PERCENT ORGANIC CONTENT.
12. REGIONAL LANDSCAPING MANUALS SHOULD BE CONSULTED TO ENSURE THAT THE PLANTING OF THE BIORETENTION AREA MEETS THE LANDSCAPING REQUIREMENTS ESTABLISHED BY THE LOCAL AUTHORITIES.
13. MULCH SHOULD BE PLACED IMMEDIATELY AFTER TREES AND SHRUBS ARE PLANTED. 2-3 INCHES OF COMMERCIALY AVAILABLE FINE SHREDDED HARDWOOD MULCH OR SHREDDED HARDWOOD CHIPS SHOULD BE APPLIED.

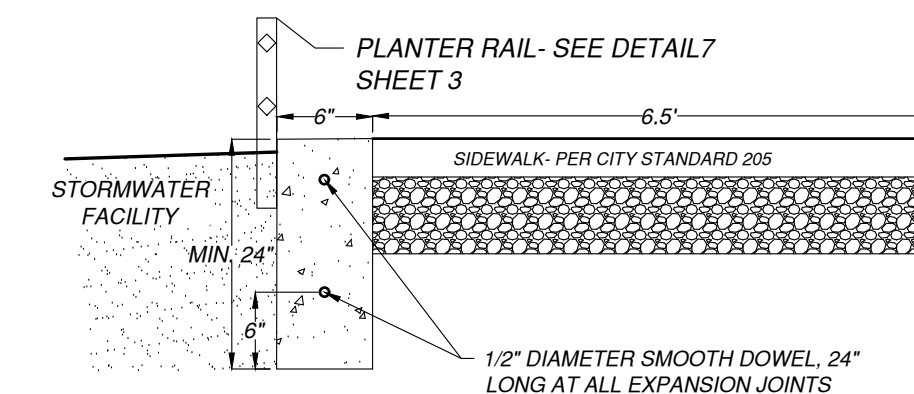
02 BIOFILTRATION PLANTER BOX- CASQA STANDARD PLAN SW-4

NOT TO SCALE



05 STORM DRAIN INFRASTRUCTURE WITH WEEP-HOLE DETAIL

NOT TO SCALE

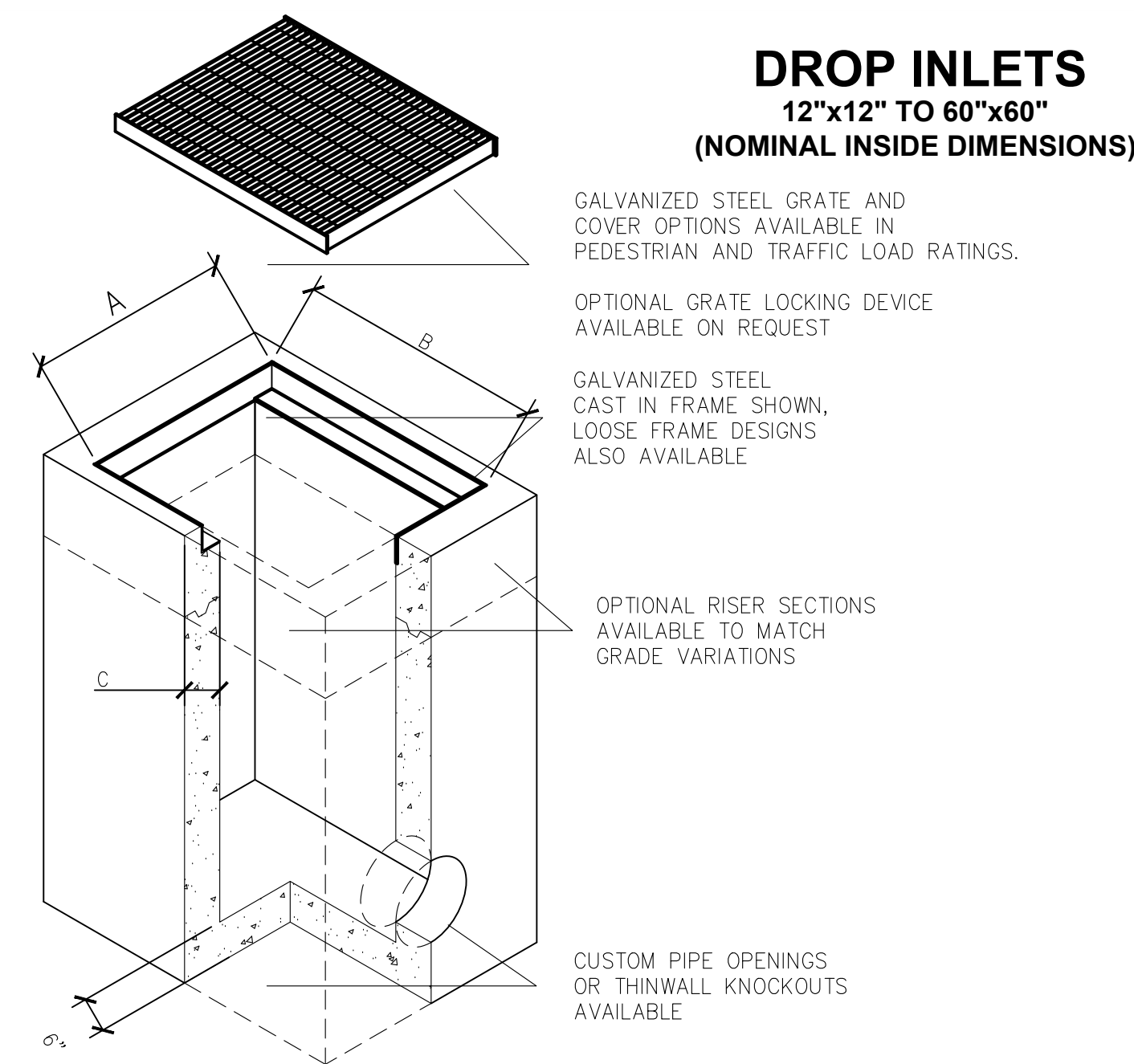


CONSTRUCTION NOTES

1. FINISH ALL EXPOSED CONCRETE SURFACES.
2. LAYBACK SLOPE AS FLAT AS POSSIBLE UNTIL TOP WIDTH PRODUCES 1:1 SLOPE & 24" BOTTOM WIDTH. AS PLANTER GETS WIDER MAINTAIN 1:1 SLOPE AND INCREASE BOTTOM WIDTH WIDER THAN 24". ALTERNATIVE TRENCH WALL CONFIGURATIONS MAY BE PROPOSED BY THE PROJECT GEOTECHNICAL ENGINEER (I.E. VERTICAL SHORING, REINFORCED TRENCH SIDEWALL) THAT DO NOT REQUIRE SIDEWALK SUPPORT FROM THE LIGHTLY COMPACTED BSM.

03 DEEP CURB- CASQA STANDARD PLAN SW-13

NOT TO SCALE



MODEL	A	B	C	WEIGHT CALC - LBS.
1212	12	12	4	208 (BASE) + 266 VF
1616	16	16	5	408 (BASE) + 480 VF
1818	18	18	5	602 (BASE) + 604 VF
2424	24	24	6	675 (BASE) + 750 VF
2436	24	36	6	900 (BASE) + 900 VF
2448	24	48	6	1500 (BASE) + 1050 VF
3030	30	30	6	920 (BASE) + 900 VF
3636	36	36	6	1200 (BASE) + 1050 VF
3648	36	48	6	1500 (BASE) + 1200 VF
4848	48	48	6	1875 (BASE) + 1350 VF
6060	60	60	6	2700 (BASE) + 1650 VF

FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

Jensen Precast reserves the right to make changes to product design and/or dimensions without notice. Please contact Jensen Precast whenever necessary for confirmation or advice on product design.



06 DROP INLET DETAIL

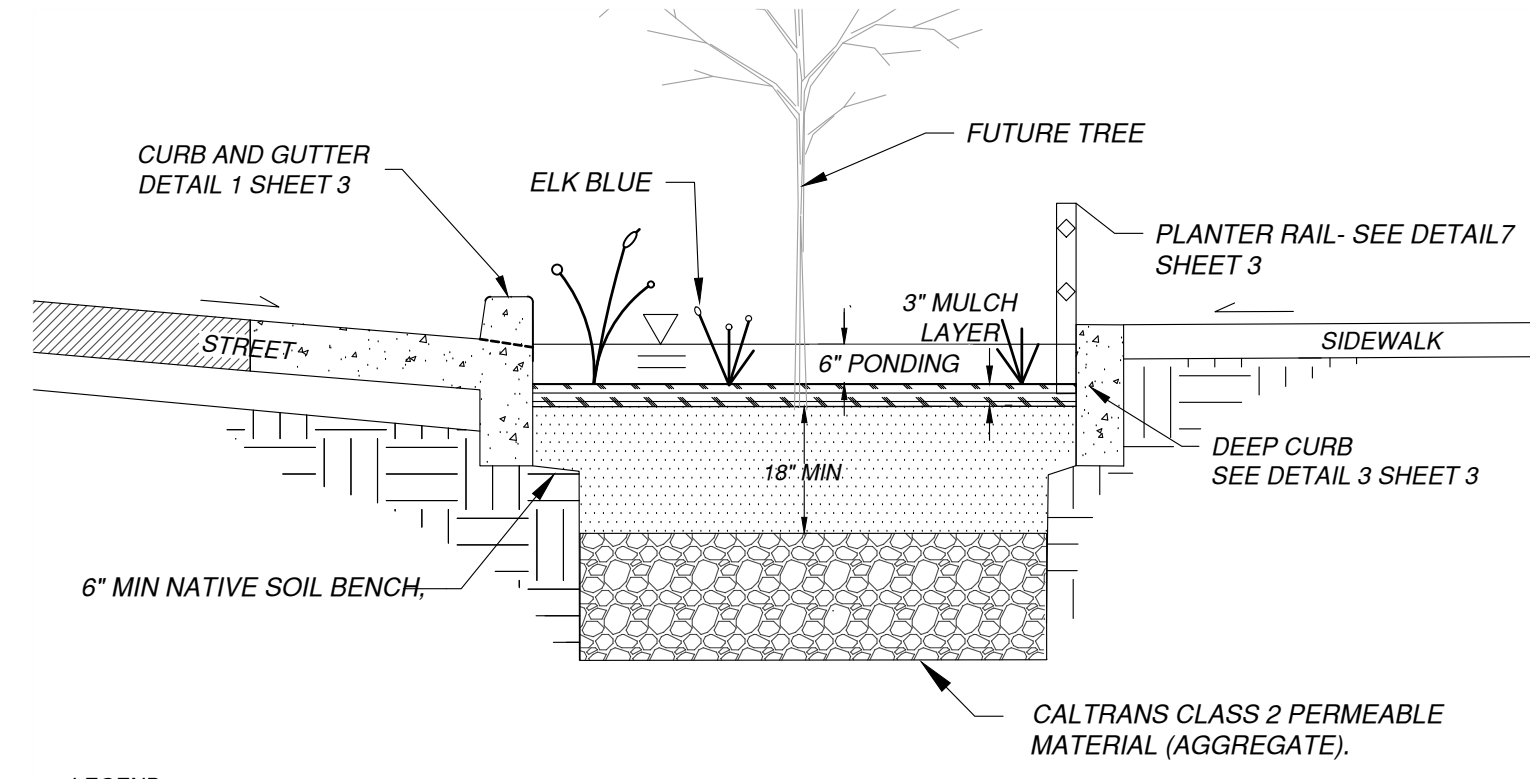
NOT TO SCALE

PROJECT NUMBER 21-719	DESCRIPTION	NO.	DATE
		DATE: X-X-XXXX	NIS
SHEET 03 OF 18	PROJECT DETAILS	SCALE:	MRH
		DRAWN BY: MRH	MBH
CITY OF CLEARLAKE	18TH AVENUE ROAD IMPROVEMENT PROJECT	DESIGNED BY:	DLS
		CHECKED BY:	
		1110 Civic Center Blvd, Suite 404 Yuba City, CA 95993 (530) 751-0652 Office www.cecausa.net	

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- LEGEND**
- MULCH/COMPOST LAYER
 - BIORETENTION SOIL MEDIA (BSM)
 - AGGREGATE
 - NATIVE SOIL
 - ASPHALT PAVEMENT
 - CONCRETE

CONSTRUCTION NOTES

1. MAINTAIN UNDISTURBED NATIVE SOIL BENCH TO SUPPORT ADJACENT SIDEWALK/ROAD. SEQUENCE WORK TO CONSTRUCT CURBS BEFORE EXCAVATING BIORETENTION AREA FOR AGGREGATE AND BSM.
2. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
3. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED AGGREGATE, BSM, AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
4. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.
5. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
6. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
7. STORMWATER SHOULD BE DIRECTED AWAY FROM BIORETENTION UNTIL CONSTRUCTION IS COMPLETE AND DRAINAGE AREA VEGETATION IS STABILIZED.

01 LANDSCAPING AREA- CASQA STANDARD PLAN SW-4A

NOT TO SCALE

PROJECT NUMBER
21-719

SHEET **04** OF **18**

CITY OF CLEARLAKE
PROJECT DETAILS

18TH AVENUE ROAD IMPROVEMENT PROJECT



CALIFORNIA ENGINEERING COMPANY, INC.
ESTD 1958
CIVIL ENGINEERING
LAND SURVEYING
FUNDING PROCUREMENT
CONSTRUCTION ADMINISTRATION
www.cecausa.net
1110 Civic Center Blvd, Suite 404 | Yuba City, CA 95993 | (530) 751-0852 Office

DATE: X-X-XXXX
SCALE: NIS
DRAWN BY: MRH
DESIGNED BY: MRH
CHECKED BY: DLS

NO. DATE DESCRIPTION

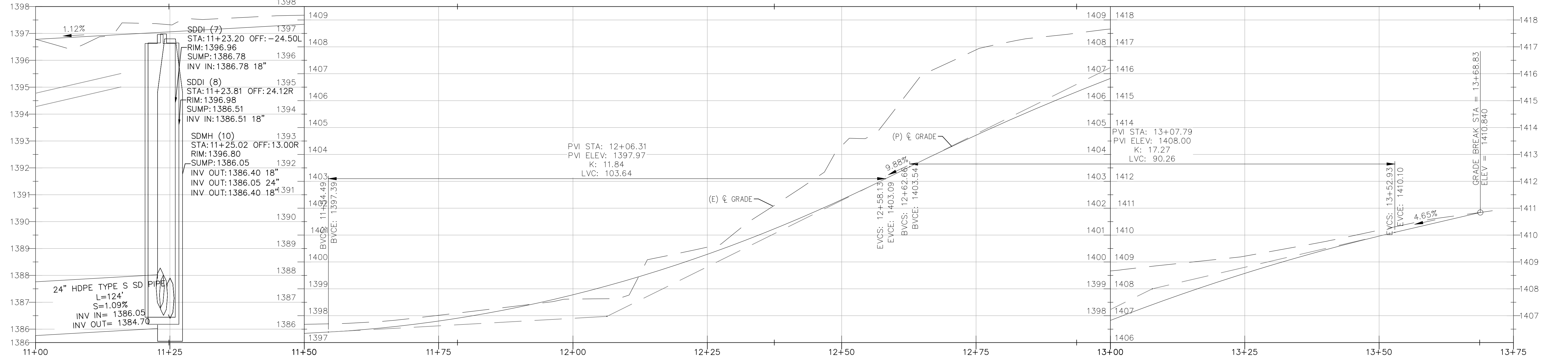
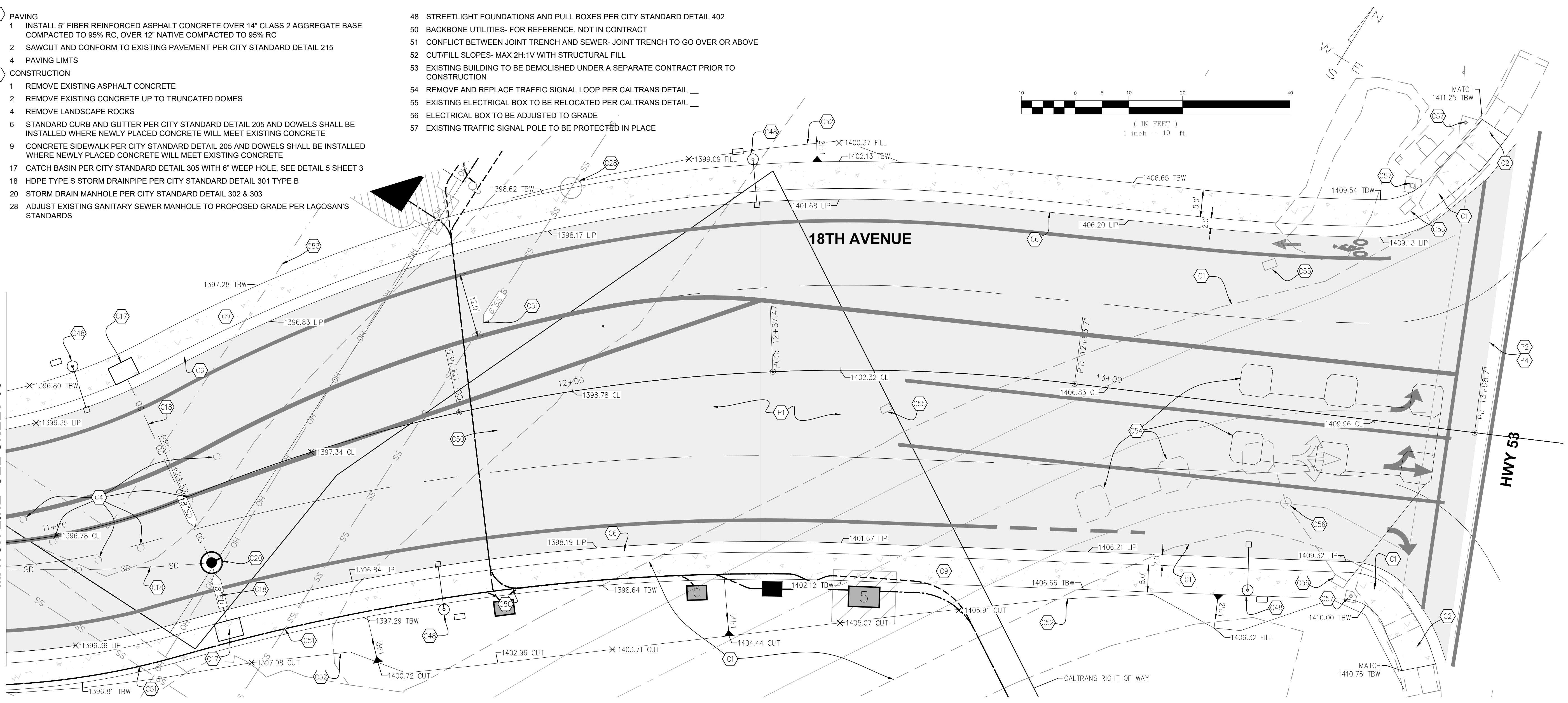
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- P** PAVING
- 1 INSTALL 5" FIBER REINFORCED ASPHALT CONCRETE OVER 14" CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC, OVER 12" NATIVE COMPACTED TO 95% RC
 - 2 SAWCUT AND CONFORM TO EXISTING PAVEMENT PER CITY STANDARD DETAIL 215
 - 4 PAVING LIMITS
- C** CONSTRUCTION
- 1 REMOVE EXISTING ASPHALT CONCRETE
 - 2 REMOVE EXISTING CONCRETE UP TO TRUNCATED DOMES
 - 4 REMOVE LANDSCAPE ROCKS
 - 6 STANDARD CURB AND GUTTER PER CITY STANDARD DETAIL 205 AND DOWELS SHALL BE INSTALLED WHERE NEWLY PLACED CONCRETE WILL MEET EXISTING CONCRETE
 - 9 CONCRETE SIDEWALK PER CITY STANDARD DETAIL 205 AND DOWELS SHALL BE INSTALLED WHERE NEWLY PLACED CONCRETE WILL MEET EXISTING CONCRETE
 - 17 CATCH BASIN PER CITY STANDARD DETAIL 305 WITH 6" WEEP HOLE, SEE DETAIL 5 SHEET 3
 - 18 HDPE TYPE S STORM DRAINPIPE PER CITY STANDARD DETAIL 301 TYPE B
 - 20 STORM DRAIN MANHOLE PER CITY STANDARD DETAIL 302 & 303
 - 28 ADJUST EXISTING SANITARY SEWER MANHOLE TO PROPOSED GRADE PER LACOSAN'S STANDARDS

- 48 STREETLIGHT FOUNDATIONS AND PULL BOXES PER CITY STANDARD DETAIL 402
- 50 BACKBONE UTILITIES- FOR REFERENCE, NOT IN CONTRACT
- 51 CONFLICT BETWEEN JOINT TRENCH AND SEWER- JOINT TRENCH TO GO OVER OR ABOVE
- 52 CUT/FILL SLOPES- MAX 2H:1V WITH STRUCTURAL FILL
- 53 EXISTING BUILDING TO BE DEMOLISHED UNDER A SEPARATE CONTRACT PRIOR TO CONSTRUCTION
- 54 REMOVE AND REPLACE TRAFFIC SIGNAL LOOP PER CALTRANS DETAIL
- 55 EXISTING ELECTRICAL BOX TO BE RELOCATED PER CALTRANS DETAIL
- 56 ELECTRICAL BOX TO BE ADJUSTED TO GRADE
- 57 EXISTING TRAFFIC SIGNAL POLE TO BE PROTECTED IN PLACE

MATCH LINE- SEE SHEET 08

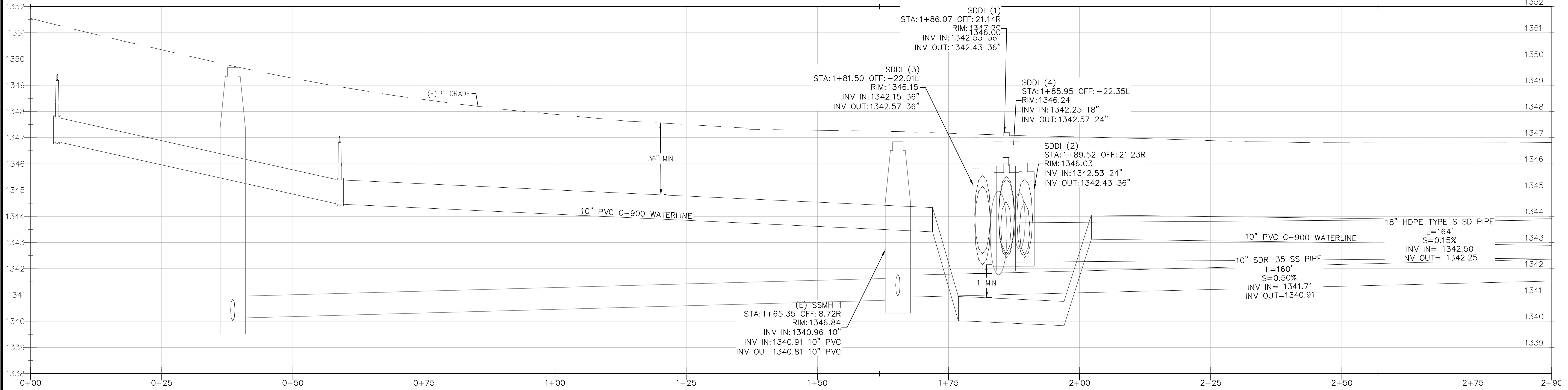
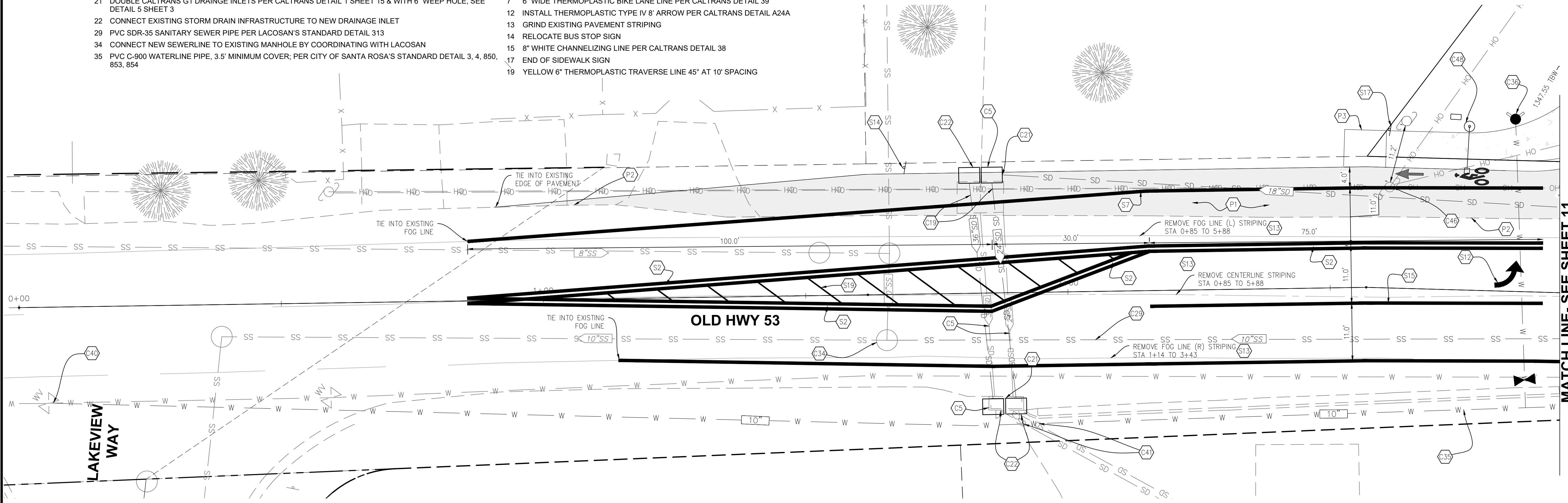
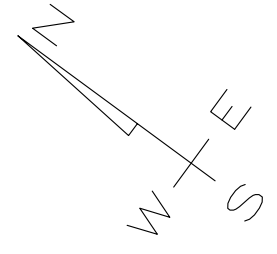
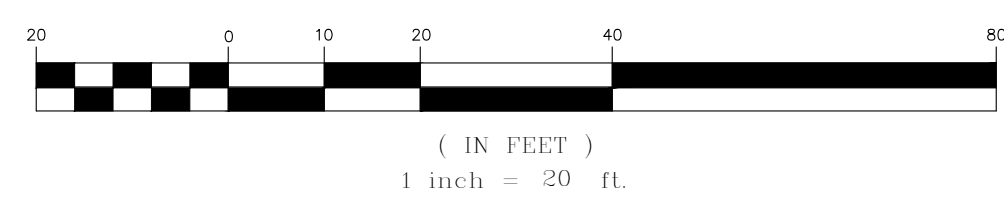


PROJECT NUMBER		CITY OF CLEARLAKE	
21-719		18TH AVENUE- STA 11+00 TO 13+75	
SHEET 09 OF 18		18TH AVENUE ROAD IMPROVEMENT PROJECT	
DATE:	X-X-XXXX	NO.:	
SCALE:	1"=10'	DATE:	
DRAWN BY:	MRH	NO.:	
DESIGNED BY:	MRH	DATE:	
CHECKED BY:	DLS	NO.:	
<p>CALIFORNIA ENGINEERING COMPANY, INC. CIVIL ENGINEERING LAND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION ESTD. 1965 1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office www.cecusa.net</p>			

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- (P) PAVING**
- 1 INSTALL 5" FIBER REINFORCED ASPHALT CONCRETE OVER 14" CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC, OVER 12" NATIVE COMPACTED TO 95% RC
 - 2 SAWCUT 1" MIN INTO EXISTING PAVEMENT WITH A NEAT STRAIGHT LINE AND CONFORM
 - 3 4" FULL DEPTH ASPHALT CONCRETE RAMP TO CONFORM TO EXISTING GROUND- 5% MAX SLOPE
- (C) CONSTRUCTION**
- 5 REMOVE EXISTING DRAINAGE INFRASTRUCTURE
 - 19 CORRUGATED METAL PIPE PER CITY STANDARD DETAIL 301 TYPE A
 - 21 DOUBLE CALTRANS G1 DRAINAGE INLETS PER CALTRANS DETAIL 1 SHEET 15 & WITH 6" WEEP HOLE, SEE DETAIL 5 SHEET 3
 - 22 CONNECT EXISTING STORM DRAIN INFRASTRUCTURE TO NEW DRAINAGE INLET
 - 29 PVC SDR-35 SANITARY SEWER PIPE PER LACOSAN'S STANDARD DETAIL 313
 - 34 CONNECT NEW SEWERLINE TO EXISTING MANHOLE BY COORDINATING WITH LACOSAN
 - 35 PVC C-900 WATERLINE PIPE, 3.5' MINIMUM COVER; PER CITY OF SANTA ROSA'S STANDARD DETAIL 3, 4, 850, 853, 854

- 36 FIRE HYDRANT AND APPURTANCES PER CITY OF SANTA ROSA'S STANDARD DETAIL 857
 - 40 CONNECT NEW WATERLINE TO EXISTING MAIN BY COORDINATING WITH HIGHLANDS WATER COMPANY
 - 41 WATERMAIN CROSSING UNDER STORM DRAIN PIPE PER CITY OF SANTA ROSA'S STANDARD DETAIL 4
 - 46 POWER POLE TO BE RELOCATED BY OTHERS
 - 48 STREETLIGHT FOUNDATIONS AND PULL BOXES PER CITY STANDARD DETAIL 402
- (S) STRIPING & SIGNAGE**
- 2 DOUBLE YELLOW THERMOPLASTIC LINES, CALTRANS DETAIL 22 WITH TYPE D BLUE TWO-WAY RETROREFLECTIVE PAVEMENT MARKER AT HYDRANT LOCATIONS
 - 7 6" WIDE THERMOPLASTIC BIKE LANE LINE PER CALTRANS DETAIL 39
 - 12 INSTALL THERMOPLASTIC TYPE IV 8" ARROW PER CALTRANS DETAIL A24A
 - 13 GRIND EXISTING PAVEMENT STRIPING
 - 14 RELOCATE BUS STOP SIGN
 - 15 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38
 - 17 END OF SIDEWALK SIGN
 - 19 YELLOW 6" THERMOPLASTIC TRAVERSE LINE 45" AT 10' SPACING



MATCH LINE- SEE SHEET 11

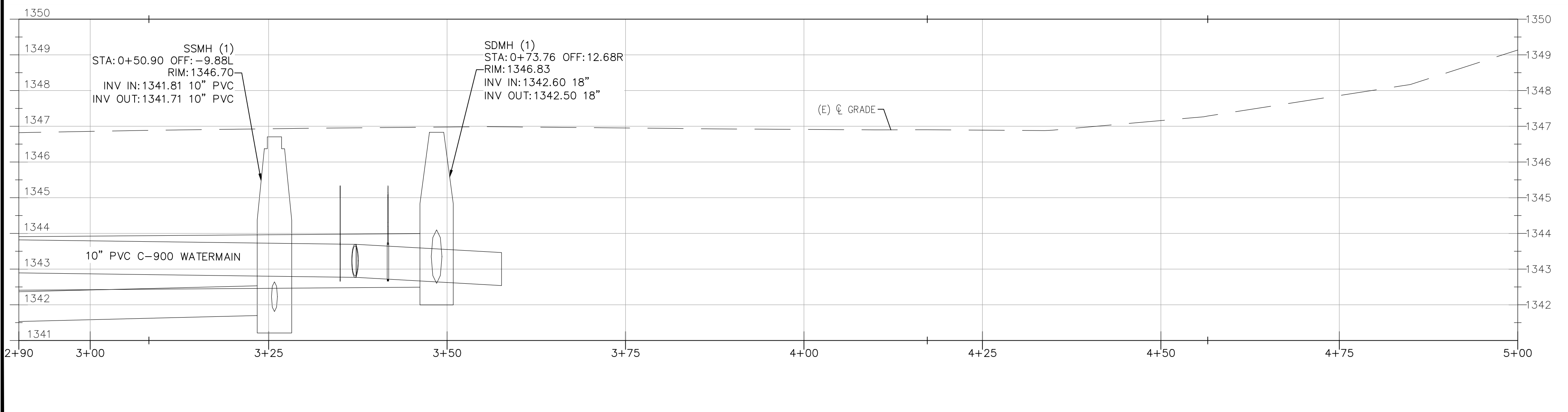
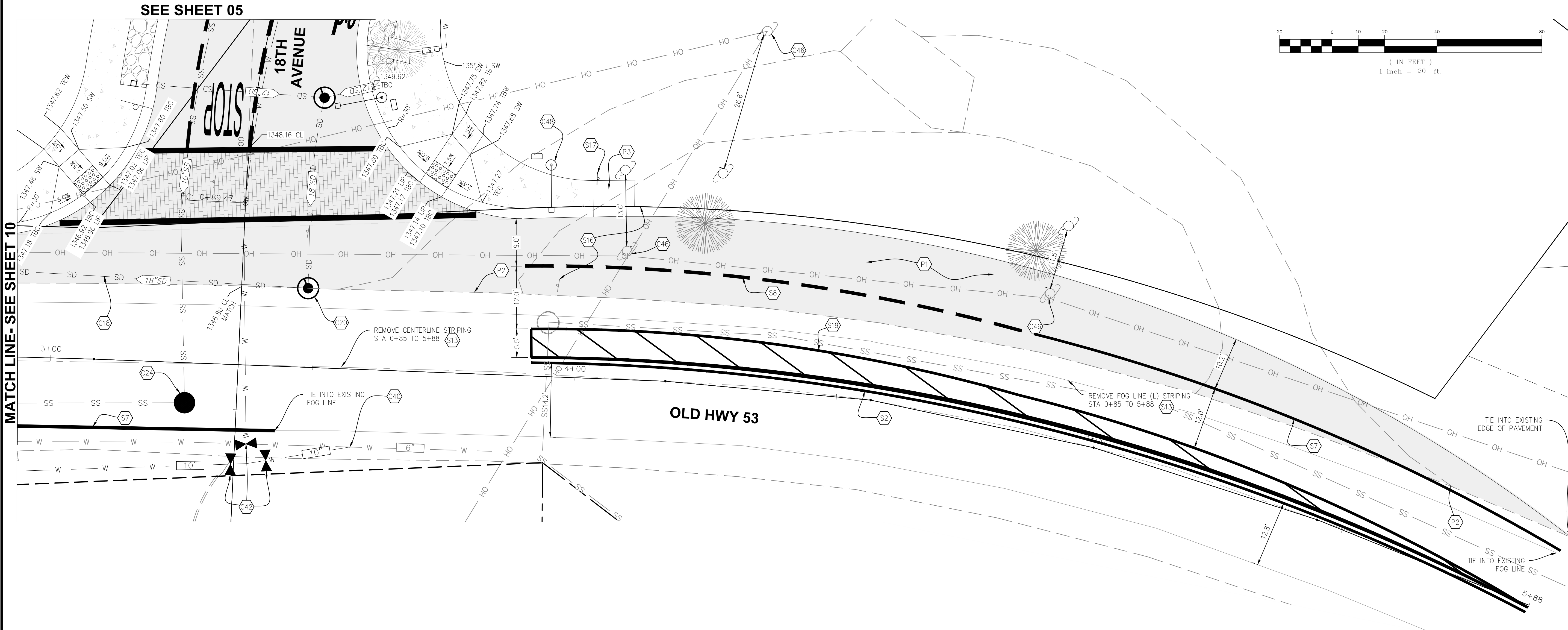
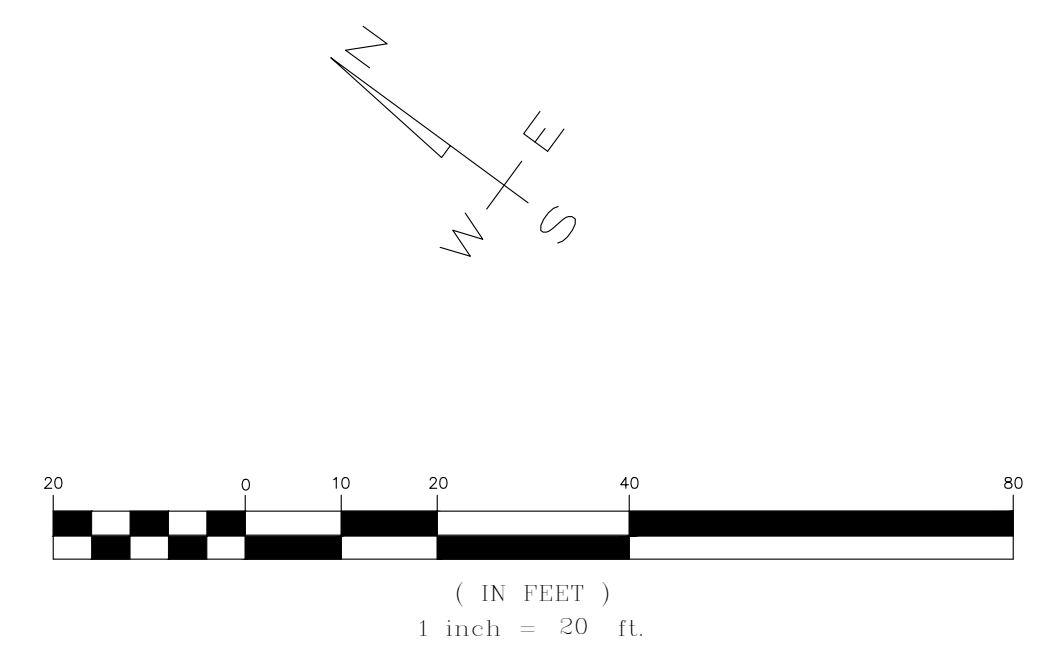
PROJECT NUMBER		CITY OF CLEARLAKE	
21-719		CITY OF CLEARLAKE	
SHEET 10 OF 18		<p style="text-align: center;">OLD HWY 53- STA 0+00 TO 2+90</p> <p style="text-align: center;">18TH AVENUE ROAD IMPROVEMENT PROJECT</p>	
<p>DATE: X-X-XXXX</p> <p>SCALE: 1"=20'</p> <p>DRAWN BY: AMR</p> <p>DESIGNED BY: AMR</p> <p>CHECKED BY: DLS</p>		<p>DESCRIPTION</p> <p>NO.</p> <p>DATE</p>	
<p>CALIFORNIA ENGINEERING AND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION</p> <p>www.ceusa.net</p> <p>ESTD. 1968</p> <p>1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-9952 Office</p>		<p>CALIFORNIA ENGINEERING AND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION</p> <p>www.ceusa.net</p> <p>ESTD. 1968</p> <p>1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-9952 Office</p>	

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- P** PAVING
 - 1 INSTALL 5" FIBER REINFORCED ASPHALT CONCRETE OVER 14" CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC, OVER 12" NATIVE COMPACTED TO 95% RC
 - 2 SAWCUT AND CONFORM TO EXISTING PAVEMENT PER CITY STANDARD DETAIL 215
 - 3 4" FULL DEPTH ASPHALT CONCRETE RAMP TO CONFORM TO EXISTING GROUND- 5% MAX SLOPE
- C** CONSTRUCTION
 - 18 HDPE TYPE S STORM DRAINPIPE PER CITY STANDARD DETAIL 301 TYPE B
 - 20 STORM DRAIN MANHOLE PER CITY STANDARD DETAIL 302 & 303
 - 24 SANITARY SEWER MANHOLE PER LACOSAN'S STANDARD DETAIL 500 & 512
- 40 CONNECT NEW WATERLINE TO EXISTING MAIN BY COORDINATING WITH HIGHLANDS WATER COMPANY
- 42 WATER GATE VALVE PER CITY OF SANTA ROSA'S STANDARD DETAIL 877
- 46 POWER POLE TO BE RELOCATED BY OTHERS
- 48 STREETLIGHT FOUNDATIONS AND PULL BOXES PER CITY STANDARD DETAIL 402

- S** STRIPING & SIGNAGE
 - 2 DOUBLE YELLOW THERMOPLASTIC LINES, CALTRANS DETAIL 22 WITH TYPE D BLUE TWO-WAY RETROREFLECTIVE PAVEMENT MARKER AT HYDRANT LOCATIONS
 - 7 6" WIDE THERMOPLASTIC BIKE LANE LINE PER CALTRANS DETAIL 39
 - 8 6" WIDE DASHED THERMOPLASTIC BIKE LANE LINE PER CALTRANS DETAIL 39A
 - 13 GRIND EXISTING PAVEMENT STRIPING
 - 16 RELOCATE ROAD SIGNAGE
 - 17 END OF SIDEWALK SIGN
 - 19 YELLOW 6" THERMOPLASTIC TRAVERSE LINE 45° AT 10' SPACING WITH 4" BORDER



MATCH LINE- SEE SHEET 10

SEE SHEET 05

18TH AVENUE

OLD HWY 53

PROJECT NUMBER 21-719	SHEET 11 OF 18	CITY OF CLEARLAKE OLD HWY 53- STA 2+90 TO 5+88 18TH AVENUE ROAD IMPROVEMENT PROJECT	CALIFORNIA ENGINEERING COMPANY INC CIVIL ENGINEERING LAND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION ESTD. 1968 www.cecausa.net 1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office	DATE: X-X-XXXX	NO.:	DESCRIPTION:
				SCALE: 1"=20'	DRAWN BY: MRH	DESIGNED BY: MRH

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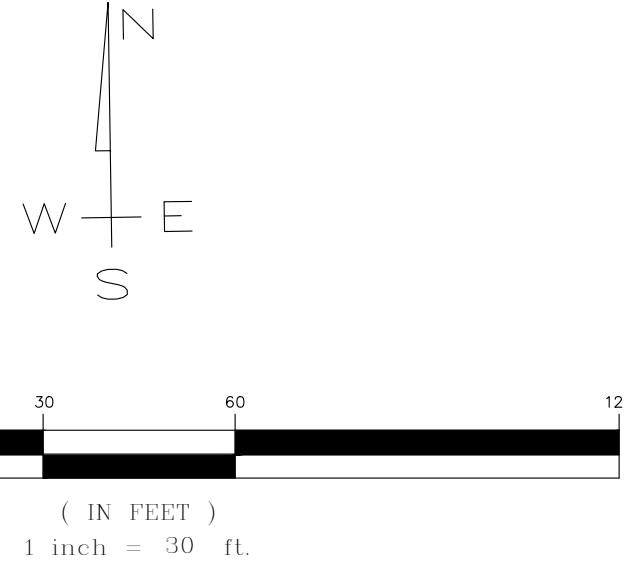
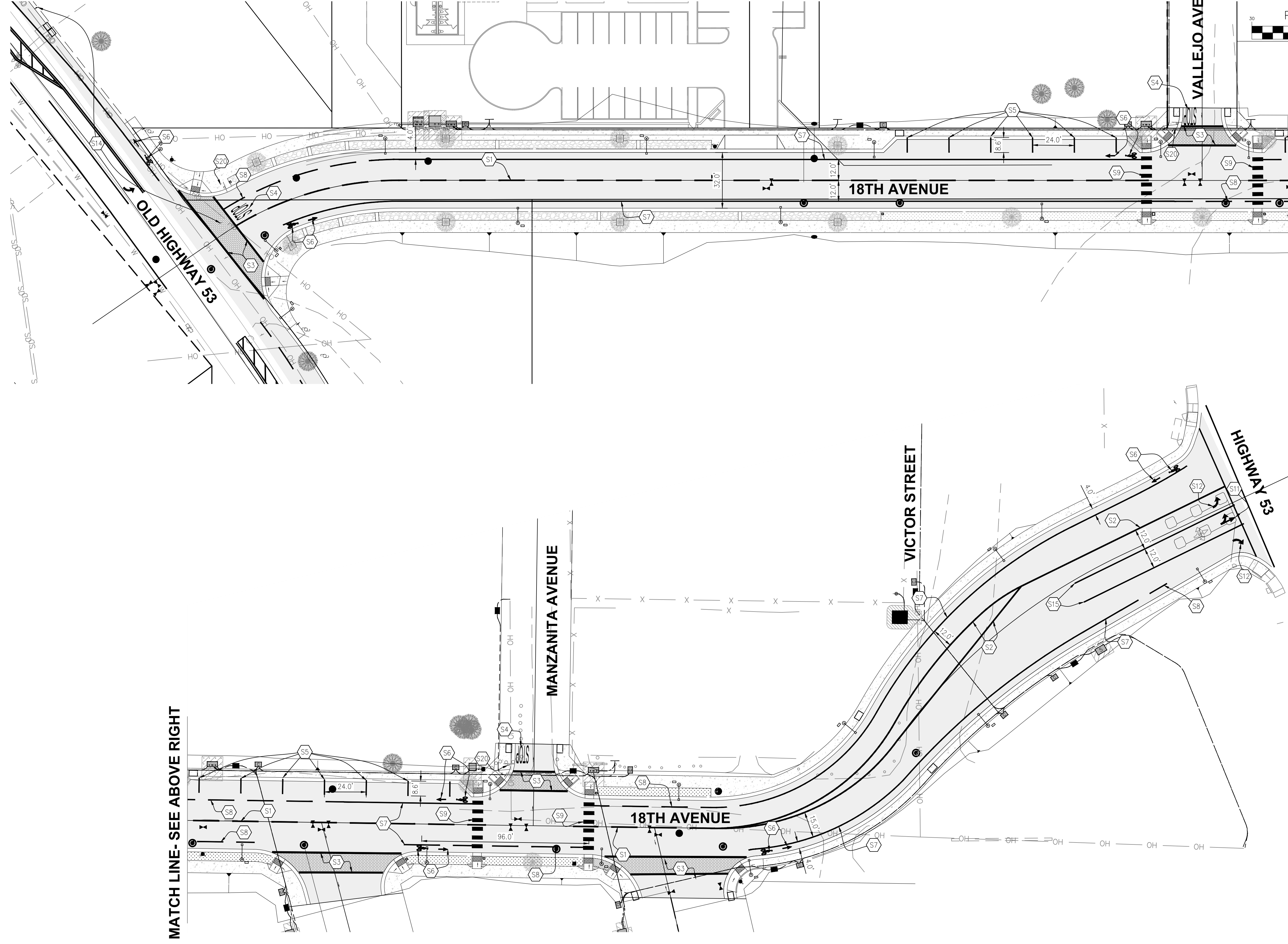
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- 5 STRIPING & SIGNAGE**
- 1 DASHED YELLOW THERMOPLASTIC LINES CALTRANS DETAIL 2 WITH TYPE D BLUE TWO-WAY RETROFLECTIVE PAVEMENT MARKER AT HYDRANT LOCATIONS
 - 2 DOUBLE YELLOW THERMOPLASTIC LINES, CALTRANS DETAIL 22 WITH TYPE D BLUE TWO-WAY RETROFLECTIVE PAVEMENT MARKER AT HYDRANT LOCATIONS
 - 3 WHITE 12" THERMOPLASTIC LIMIT LINE PER CALTRANS DETAIL A24E
 - 4 THERMOPLASTIC "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D

- 5 4" WIDE WHITE THERMOPLASTIC STRIPE
- 6 INSTALL THERMOPLASTIC BIKE LANE ARROW AND BIKE LANE SYMBOL WITH PERSON PER CALTRANS STANDARD DETAIL A24A AND CITY STANDARD DETAIL 506
- 7 6" WIDE THERMOPLASTIC BIKE LANE LINE PER CALTRANS DETAIL 39
- 8 6" WIDE DASHED THERMOPLASTIC BIKE LANE LINE PER CALTRANS DETAIL 39A
- 9 THERMOPLASTIC CONTINENTAL CROSS WALK PER CALTRANS DETAIL A24F
- 10 THERMOPLASTIC TYPE I 10' ARROW PER CALTRANS DETAIL A24A

- 11 THERMOPLASTIC TYPE VII 13' ARROW PER CALTRANS DETAIL A24A
- 12 INSTALL THERMOPLASTIC TYPE IV 8' ARROW PER CALTRANS DETAIL A24A
- 13 GRIND EXISTING PAVEMENT STRIPING
- 14 RELOCATE BUS STOP SIGN
- 15 8" WHITE CHANNELIZING LANE LINE PER CALTRANS DETAIL 38
- 20 R1-1 STOP SIGN PER CITY STANDARD DETAIL 501

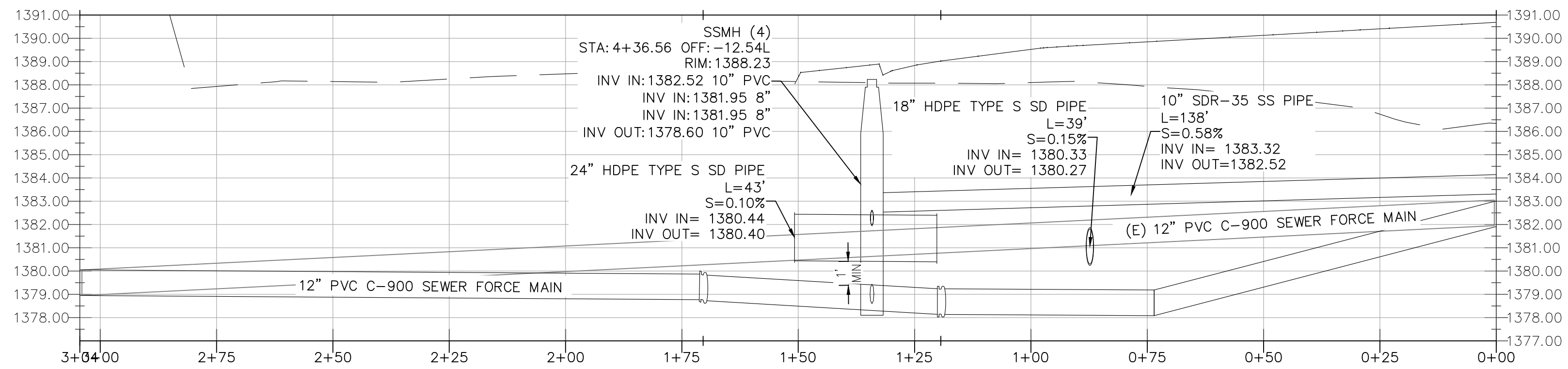
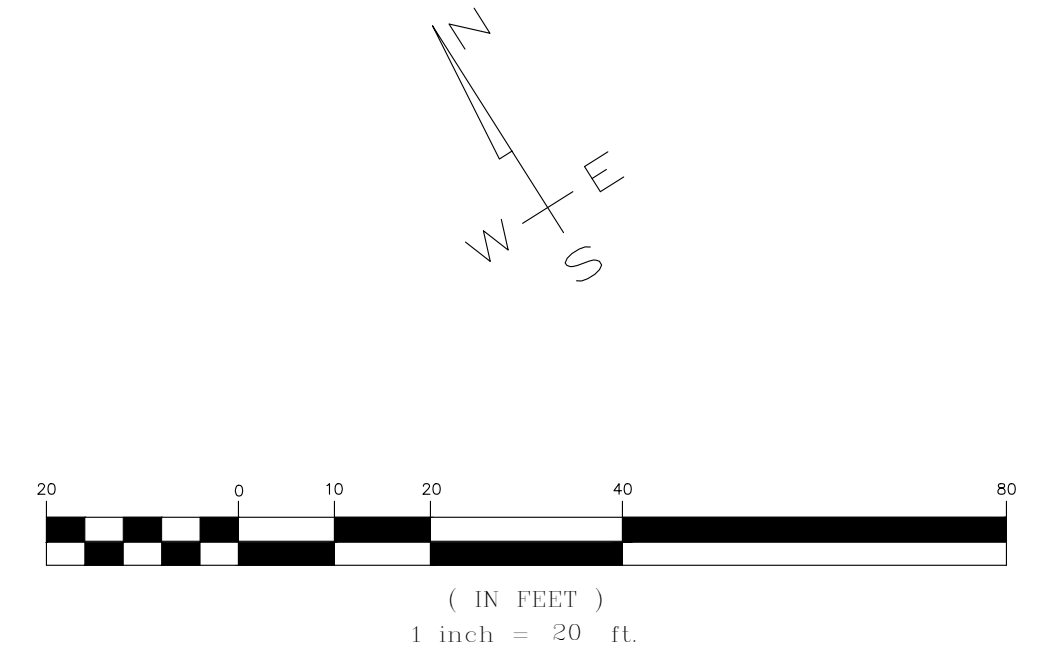
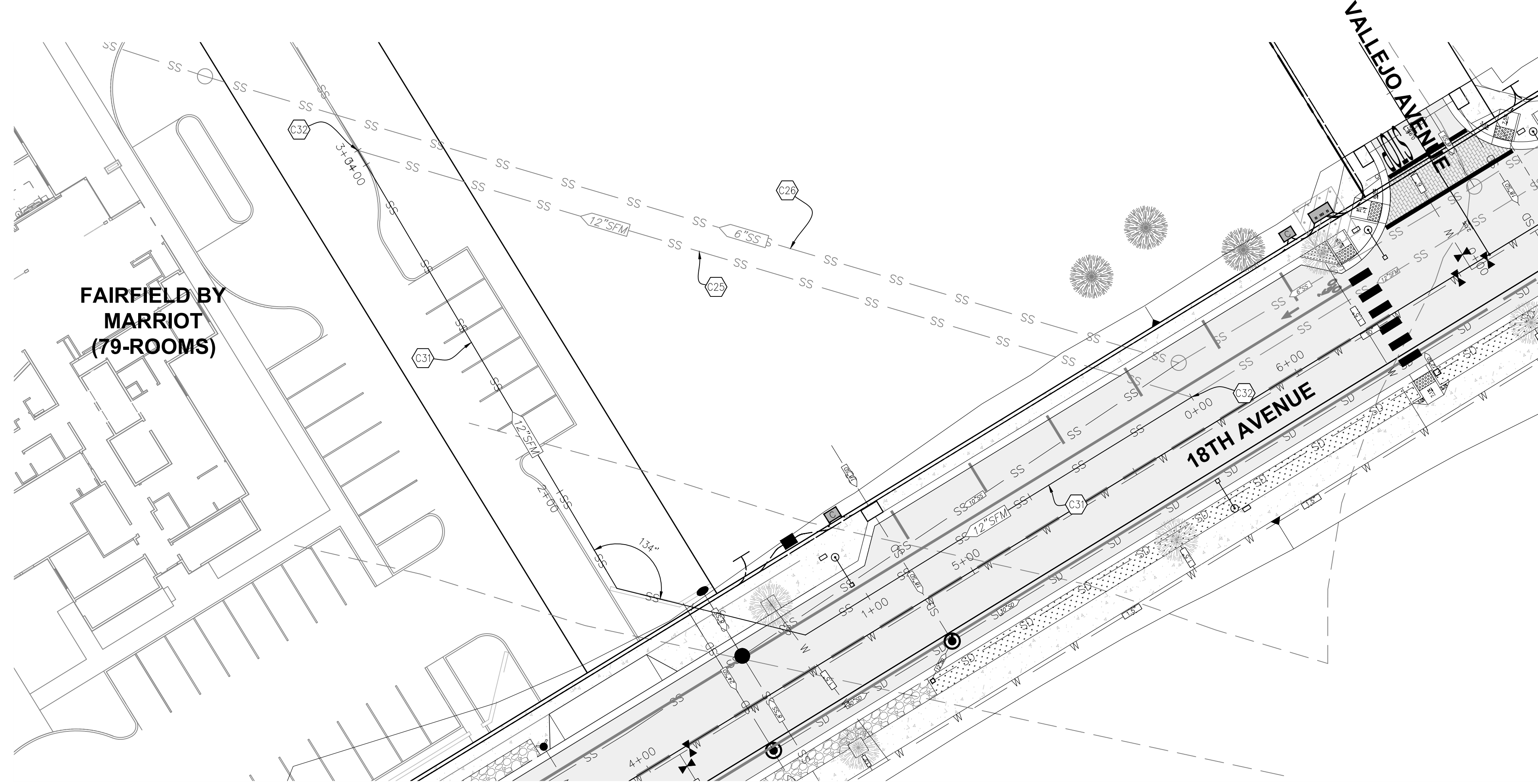


PROJECT NUMBER 21-719	CITY OF CLEARLAKE		CALIFORNIA ENGINEERING COMPANY INC ESTD. 1965 CIVIL ENGINEERING LAND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION www.cecausa.net 1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office	DATE: X-X-XXXX	NO.	DESCRIPTION
	18TH AVENUE - STRIPING 18TH AVENUE ROAD IMPROVEMENT PROJECT			SCALE: 1"=30'	DATE	
SHEET 12 OF 18				DRAWN BY: MRH		
				DESIGNED BY: MRH		
				CHECKED BY: DLS		

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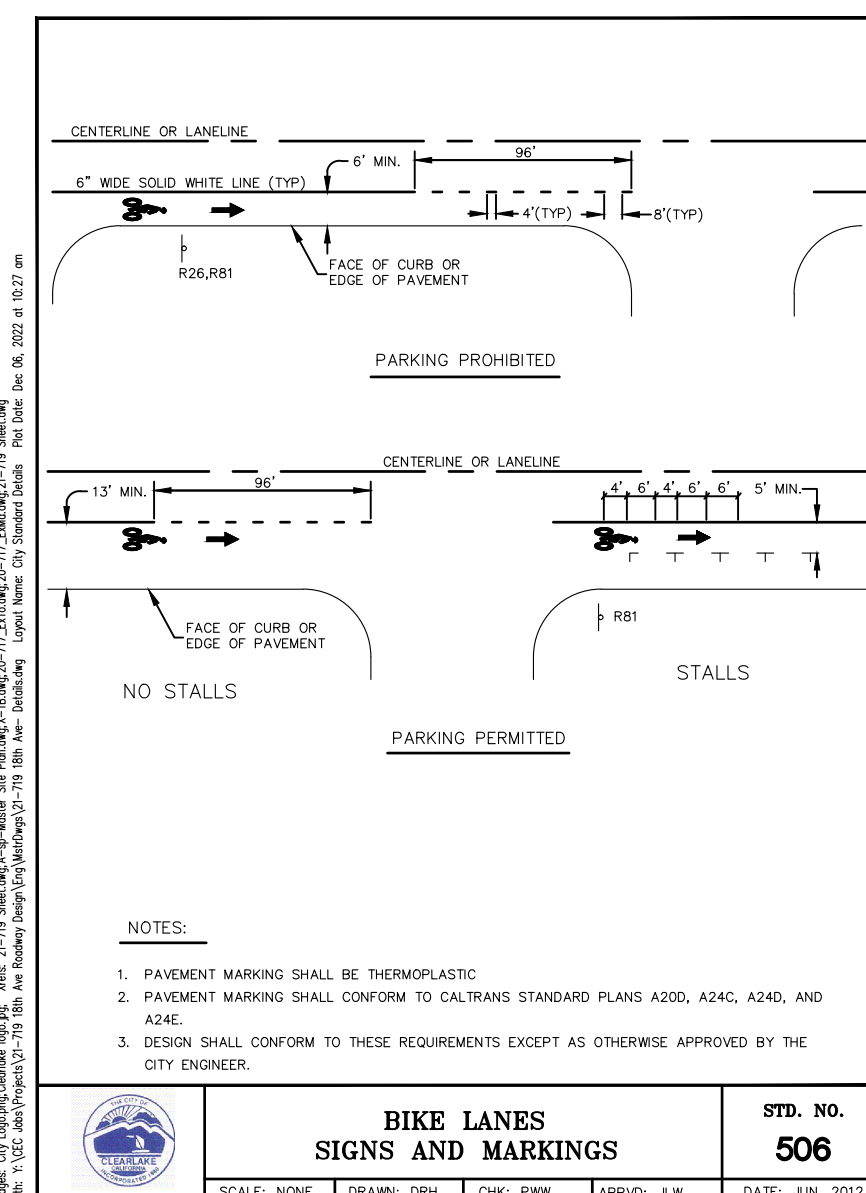
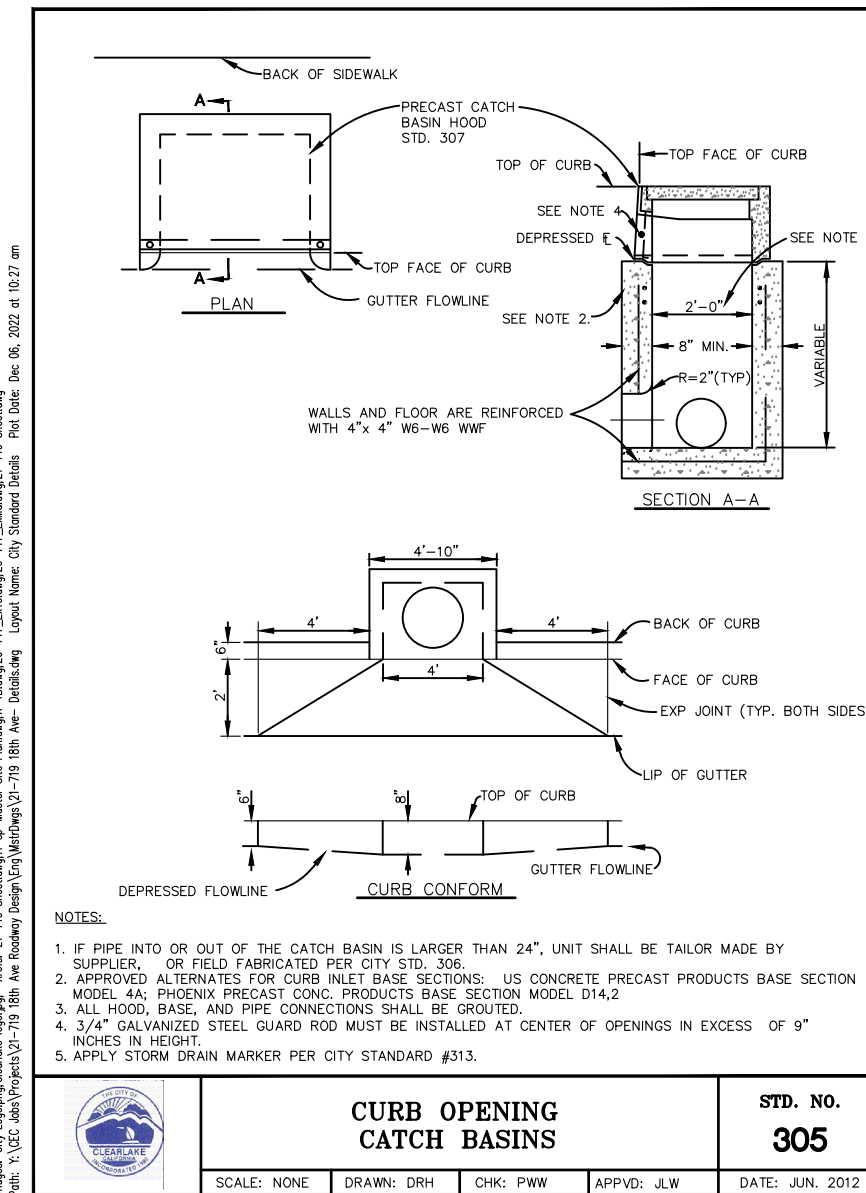
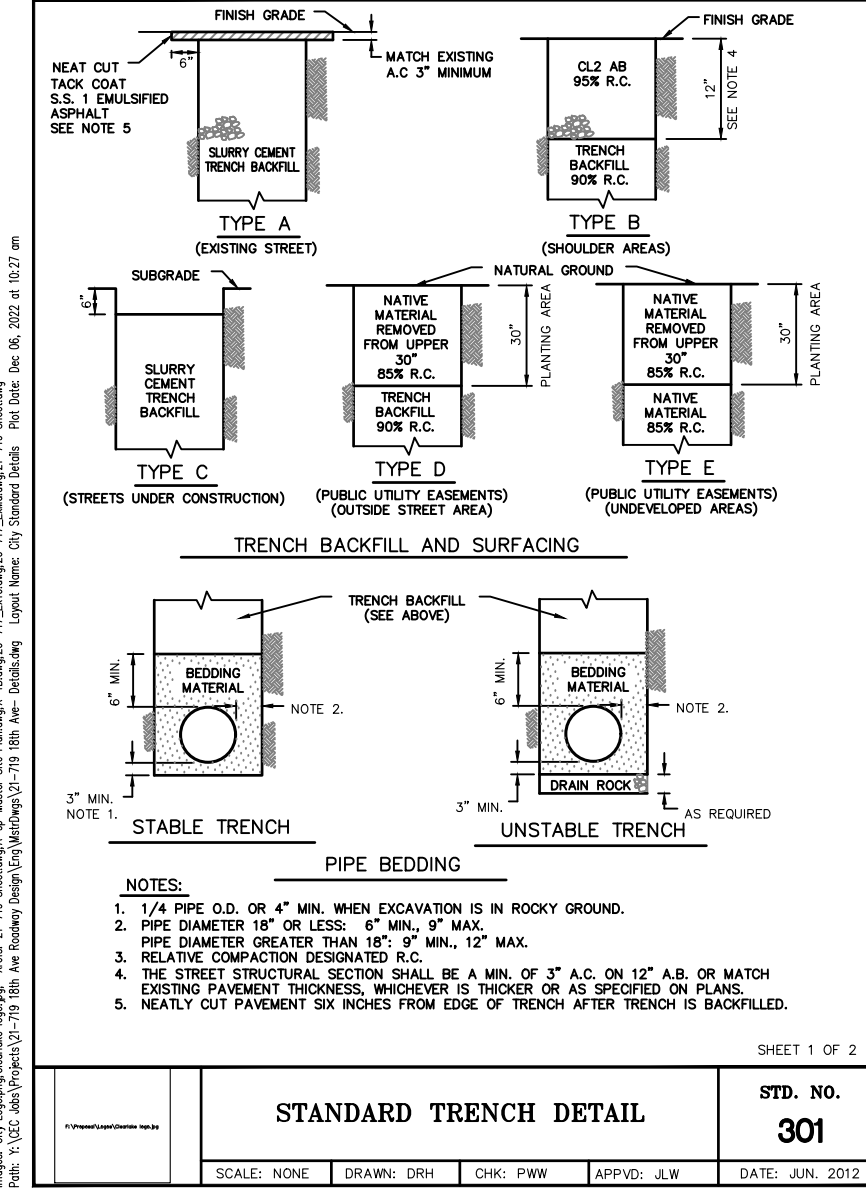
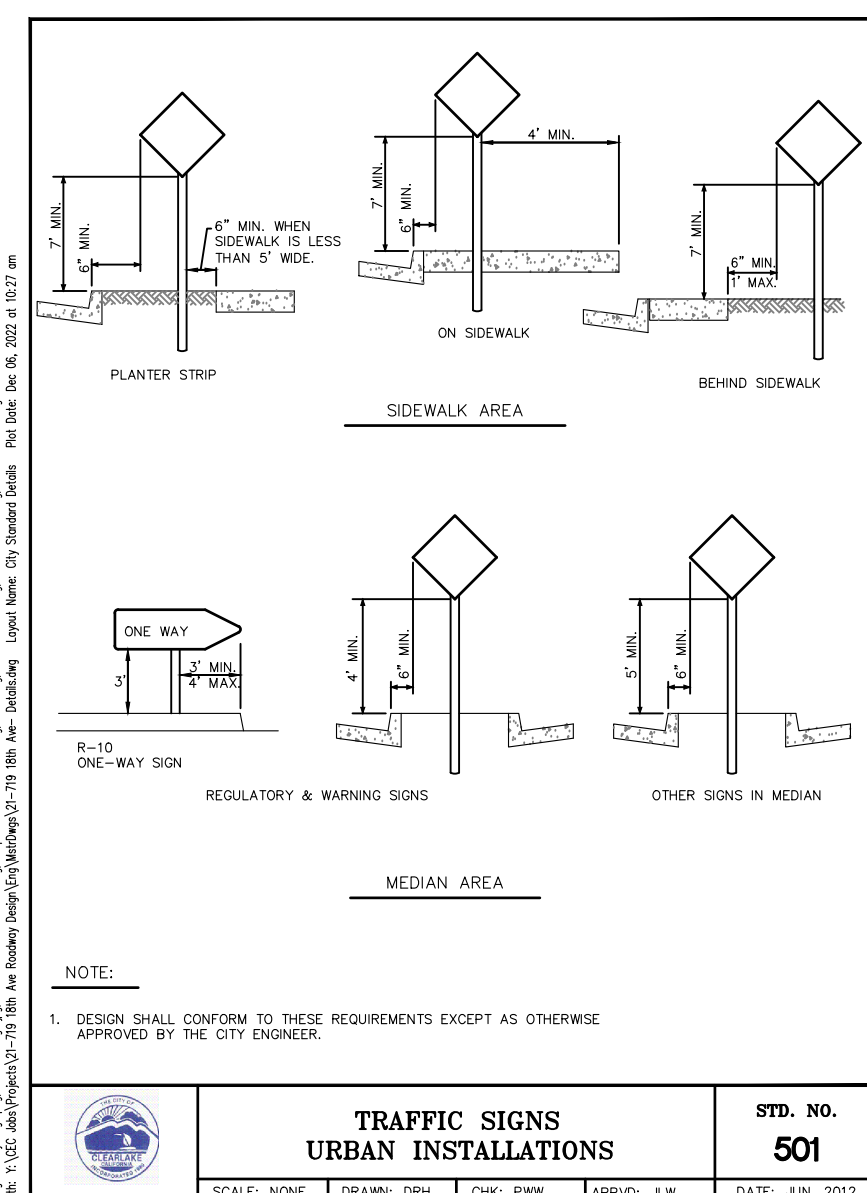
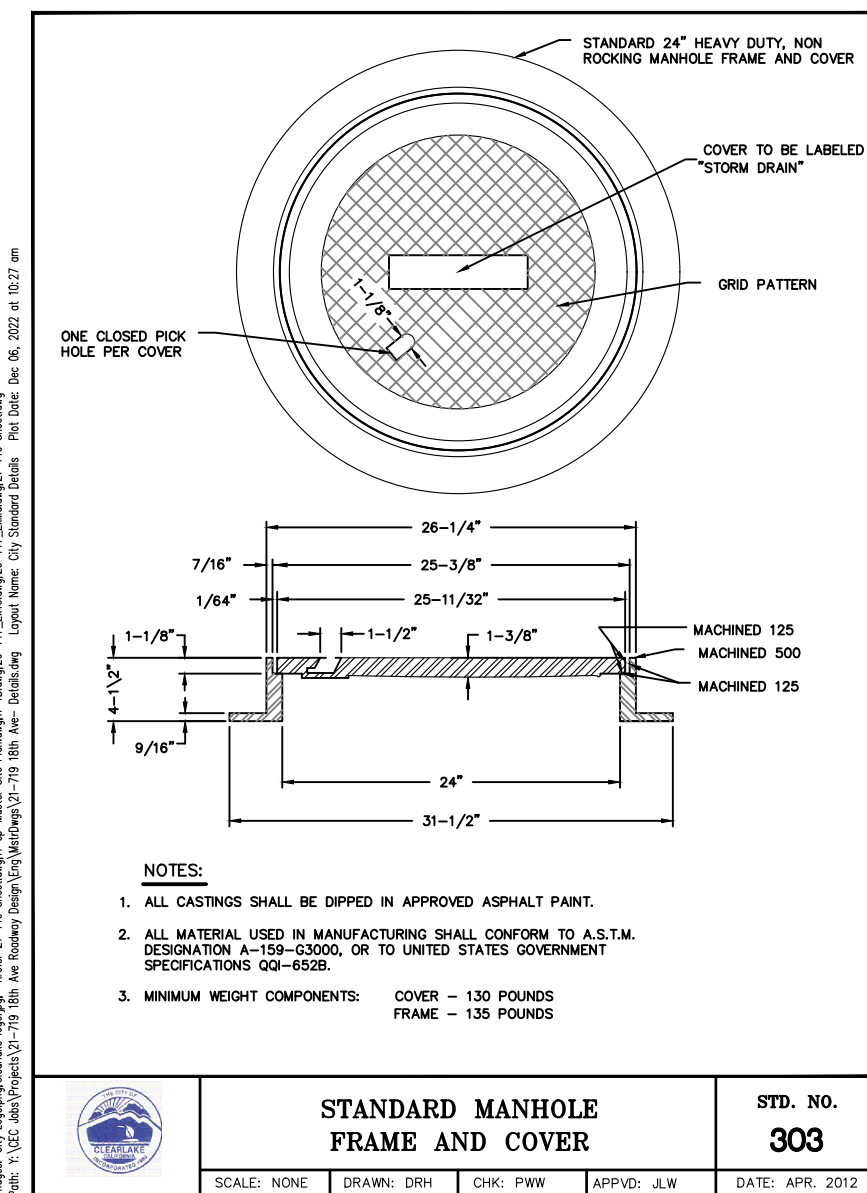
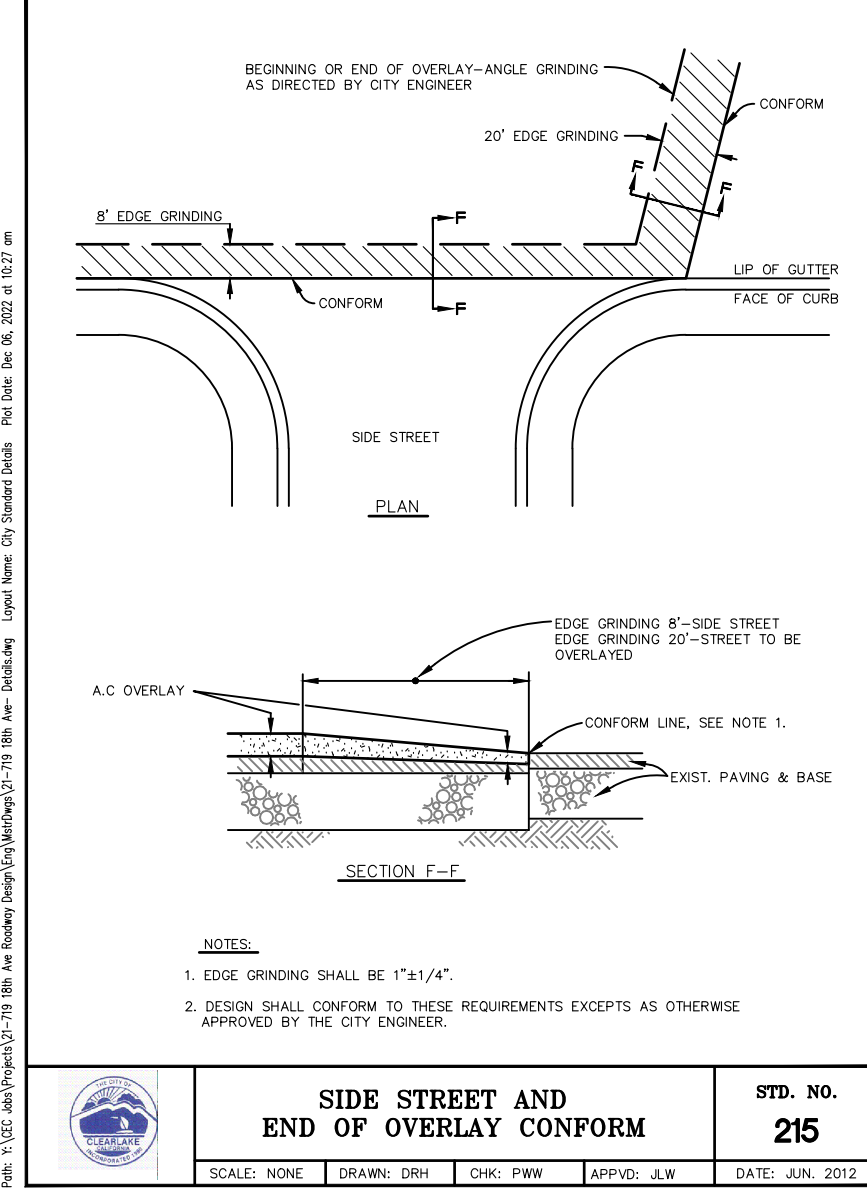
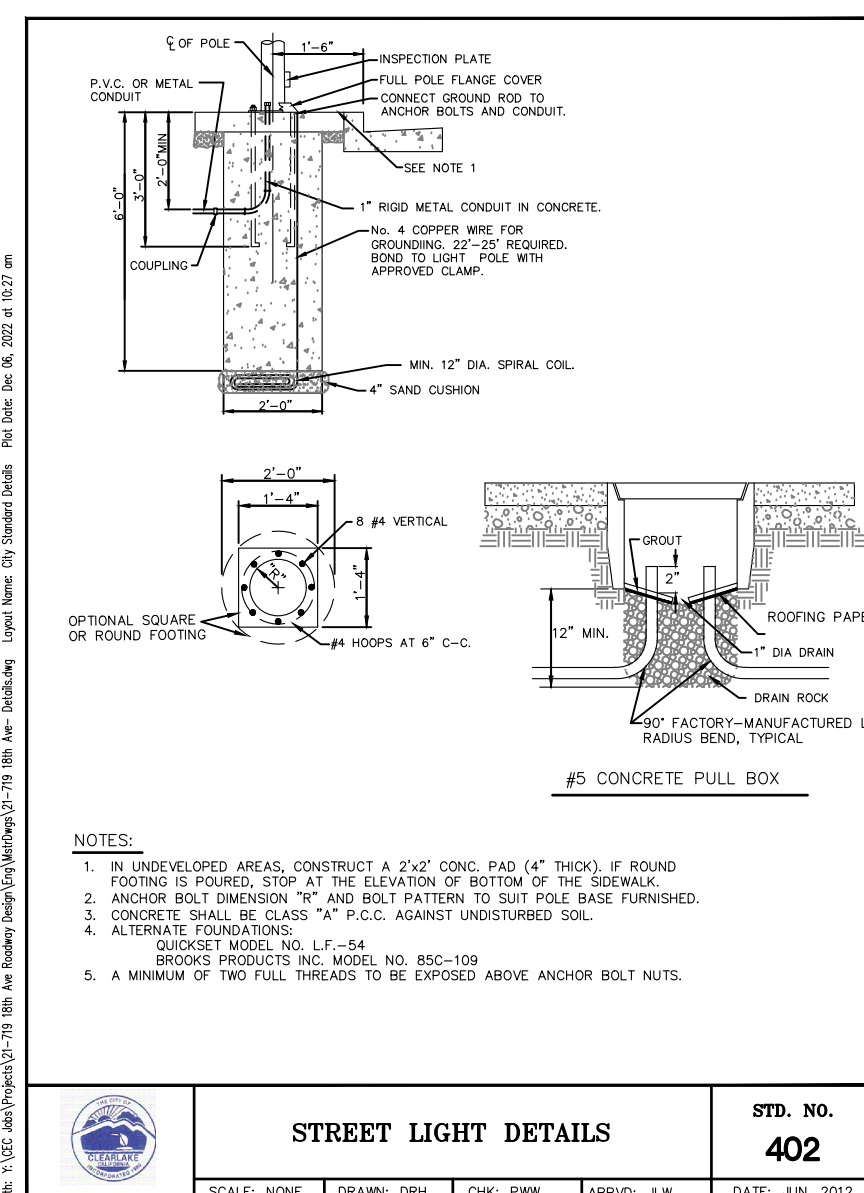
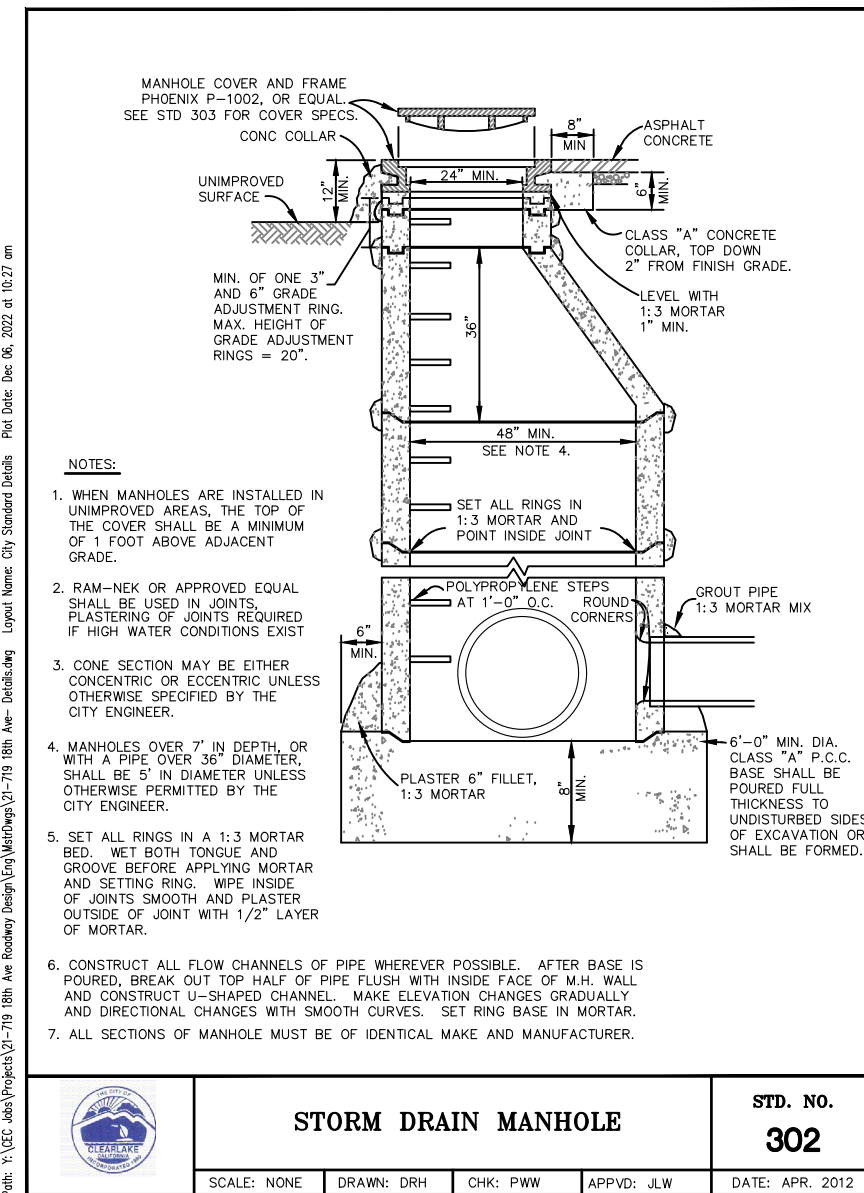
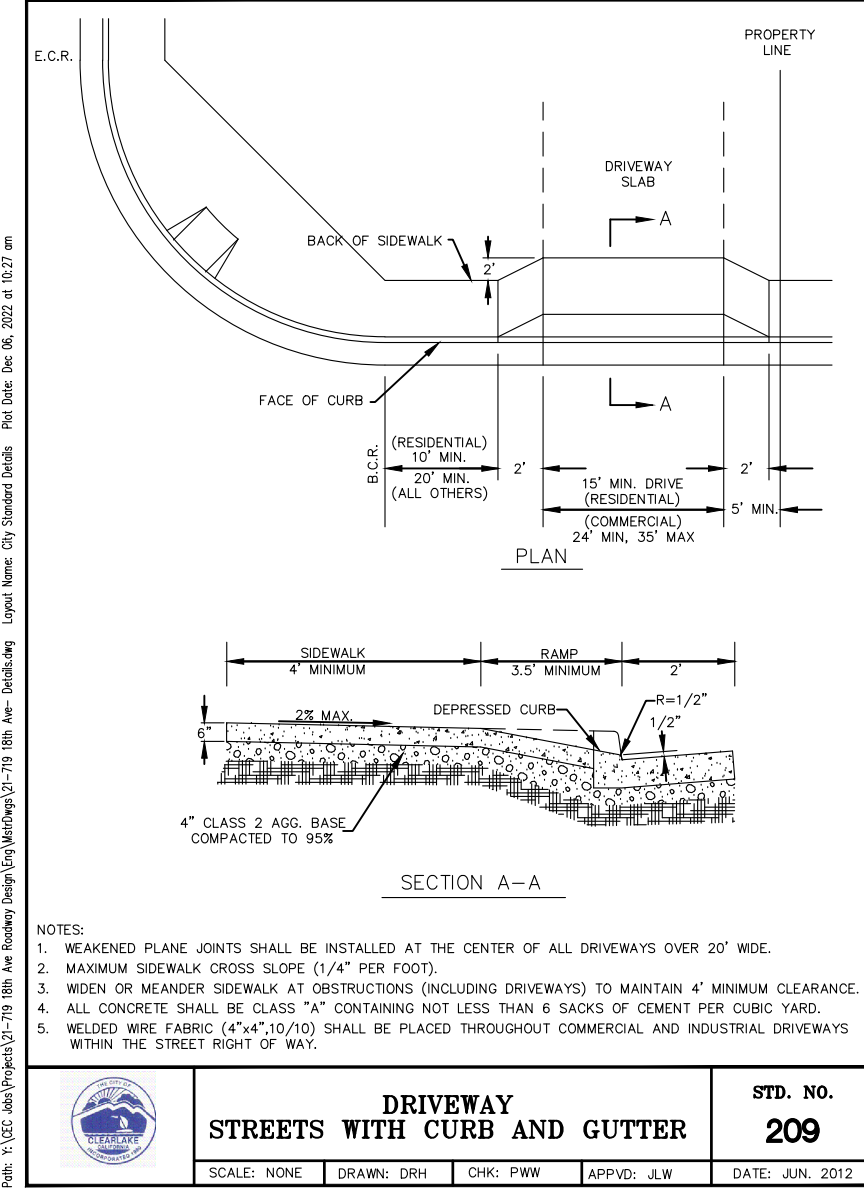
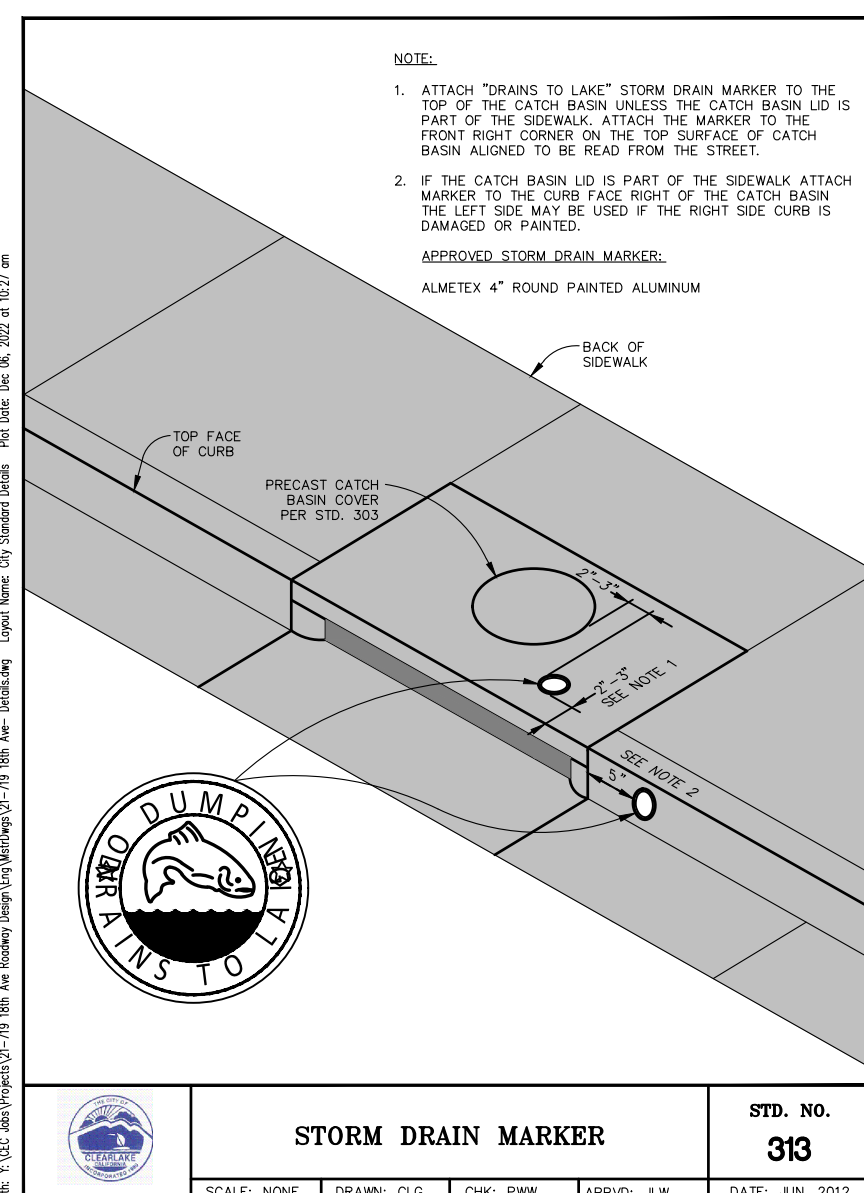
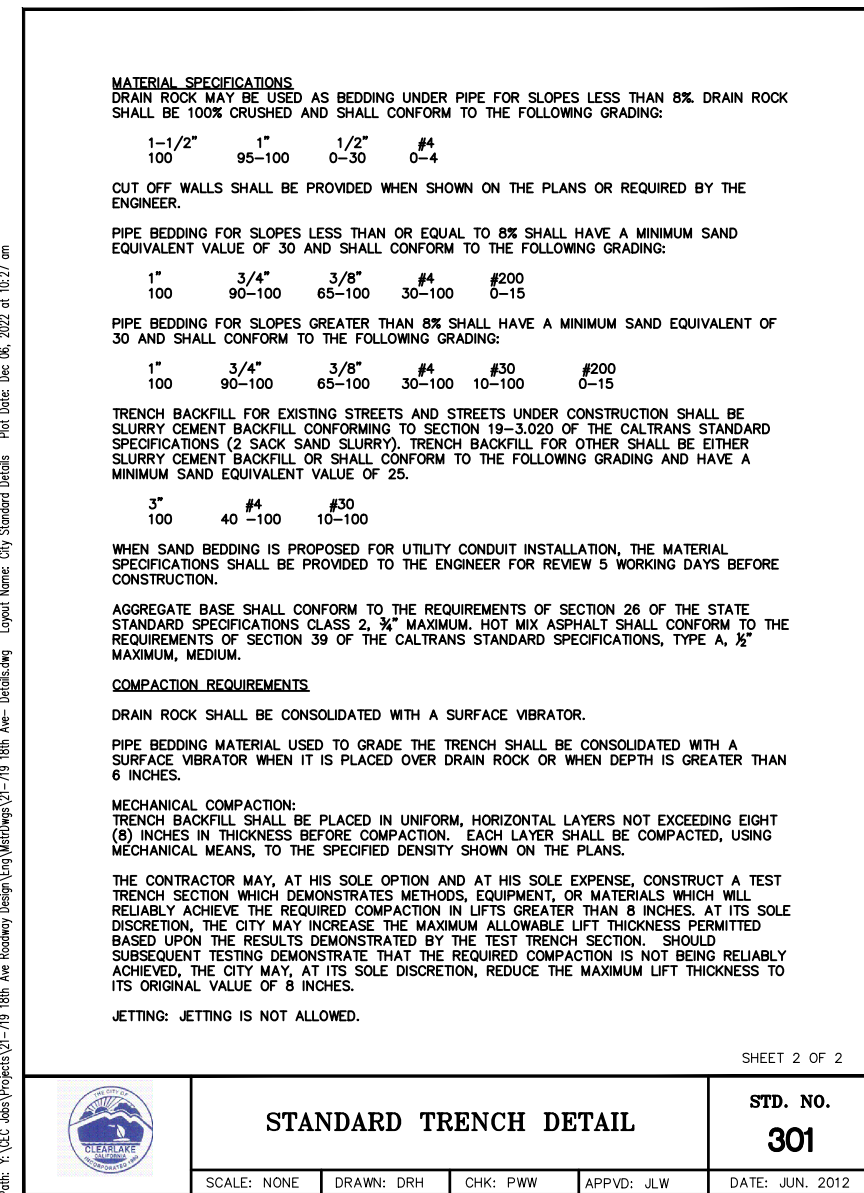
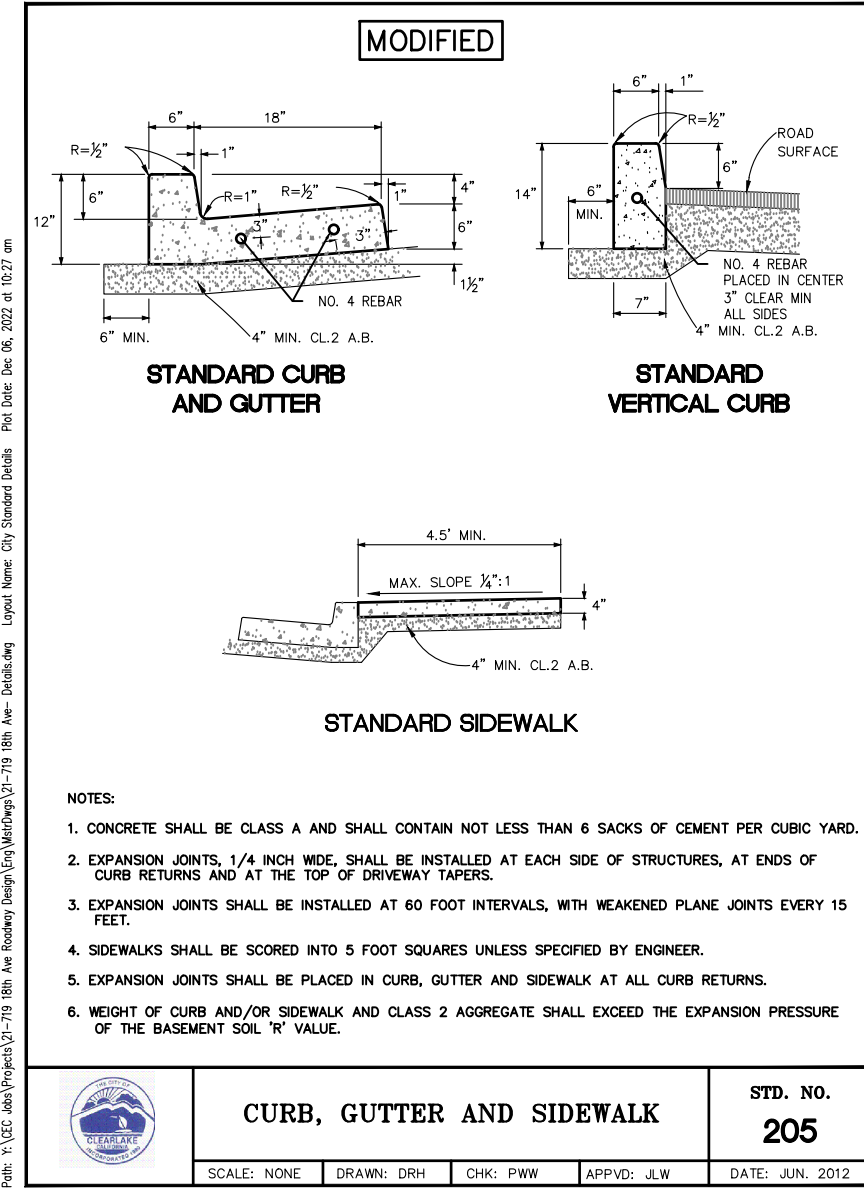
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- C CONSTRUCTION**
- 25 ABANDON IN PLACE EXISTING SANITARY SEWER FORCE MAIN
 - 26 ABANDON IN PLACE EXISTING SANITARY SEWER GRAVITY MAIN LACOSAN'S STANDARDS
 - 31 PVC C-900 CLASS 150 SANITARY SEWER FORCE MAIN PER LACOSAN'S STANDARDS
 - 32 CONNECT NEW SANITARY SEWER FORCE MAIN TO EXISTING FORCE MAIN

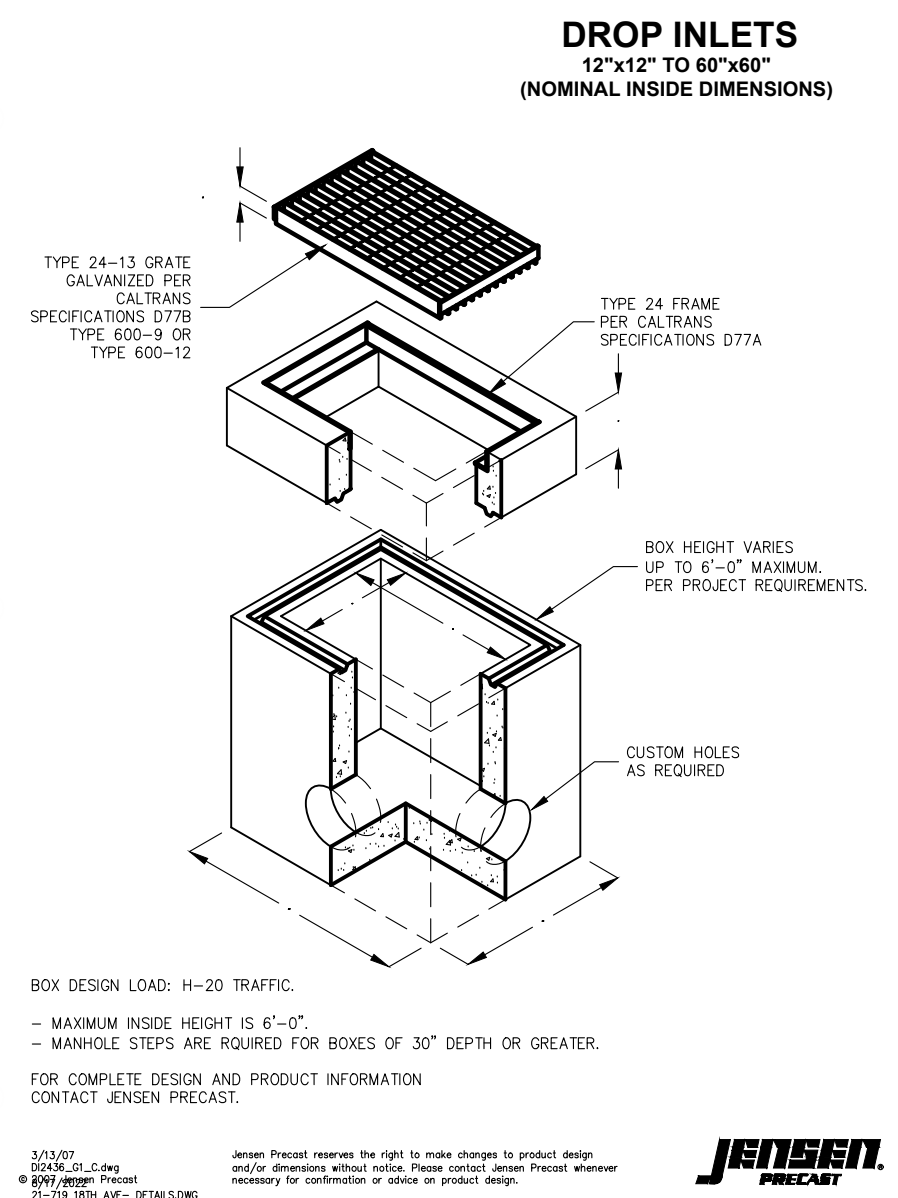
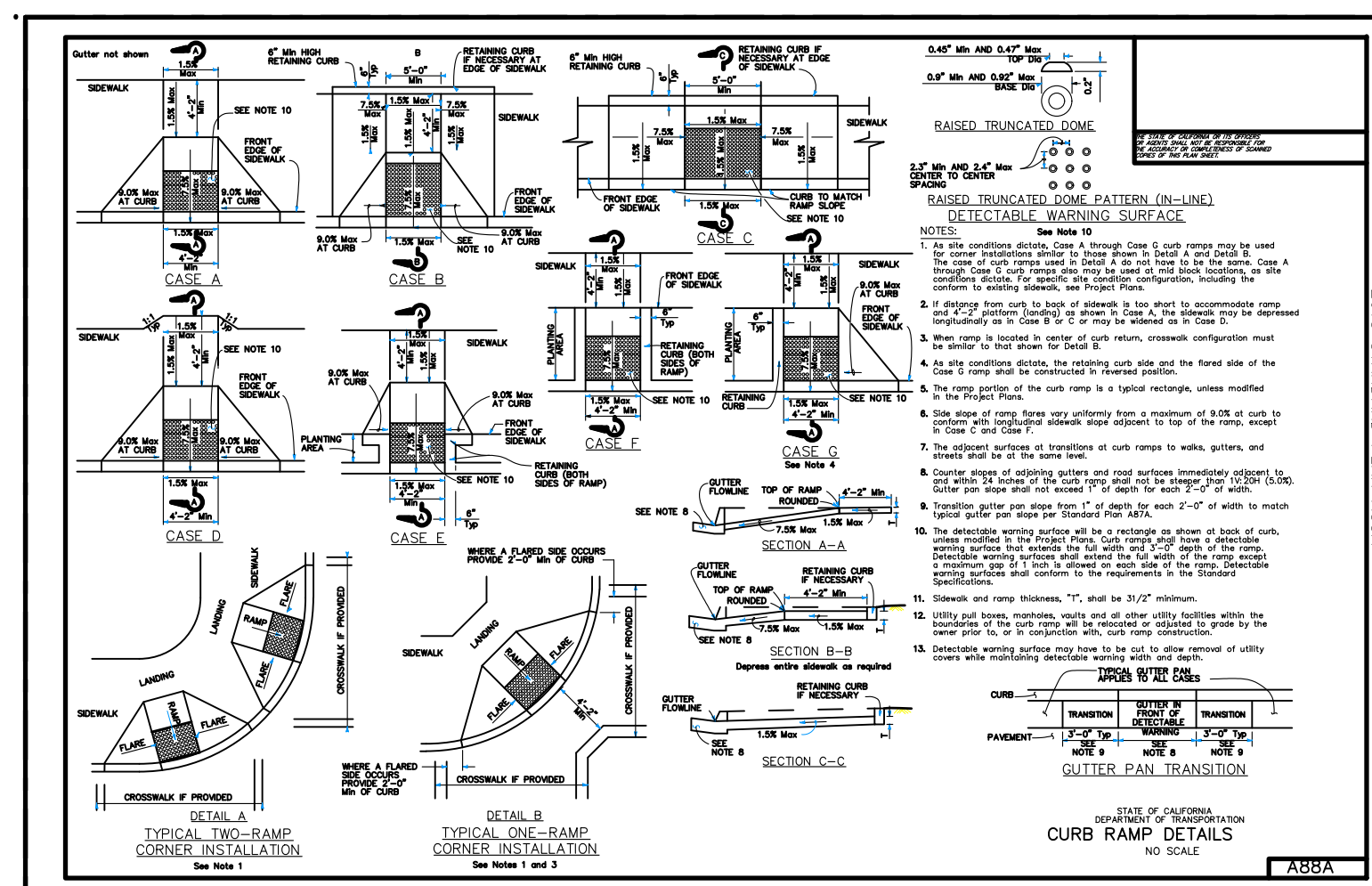
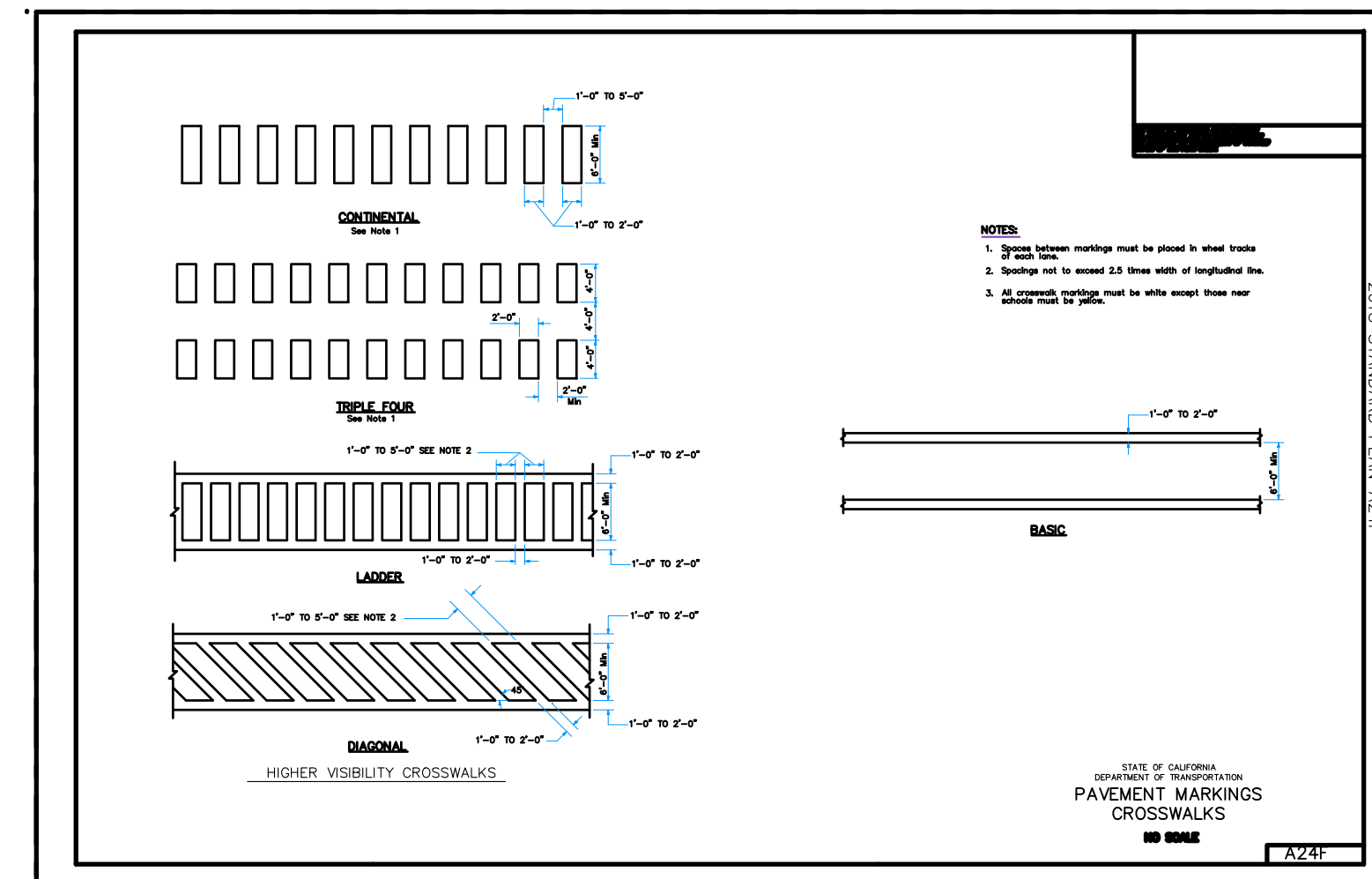
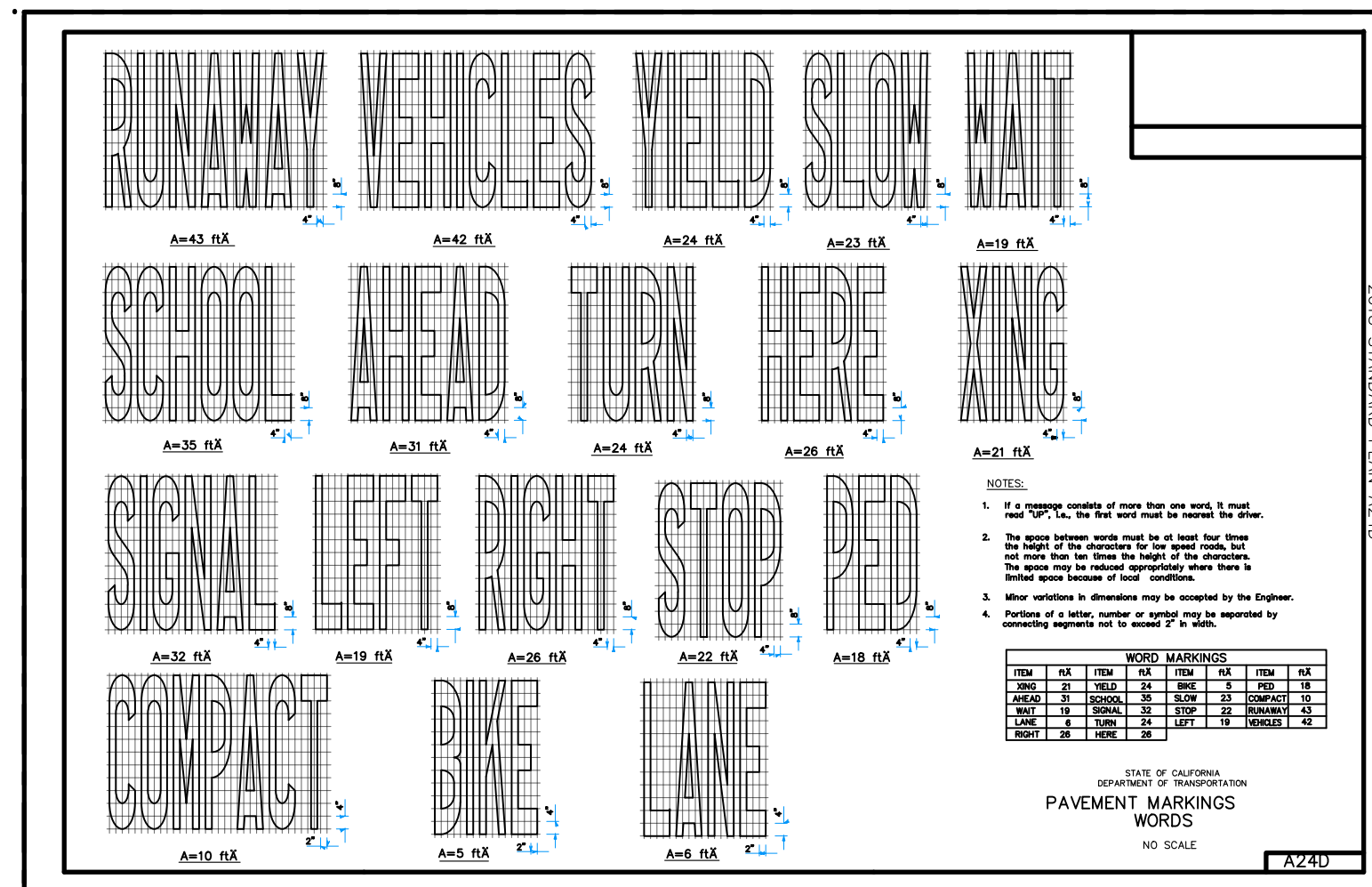
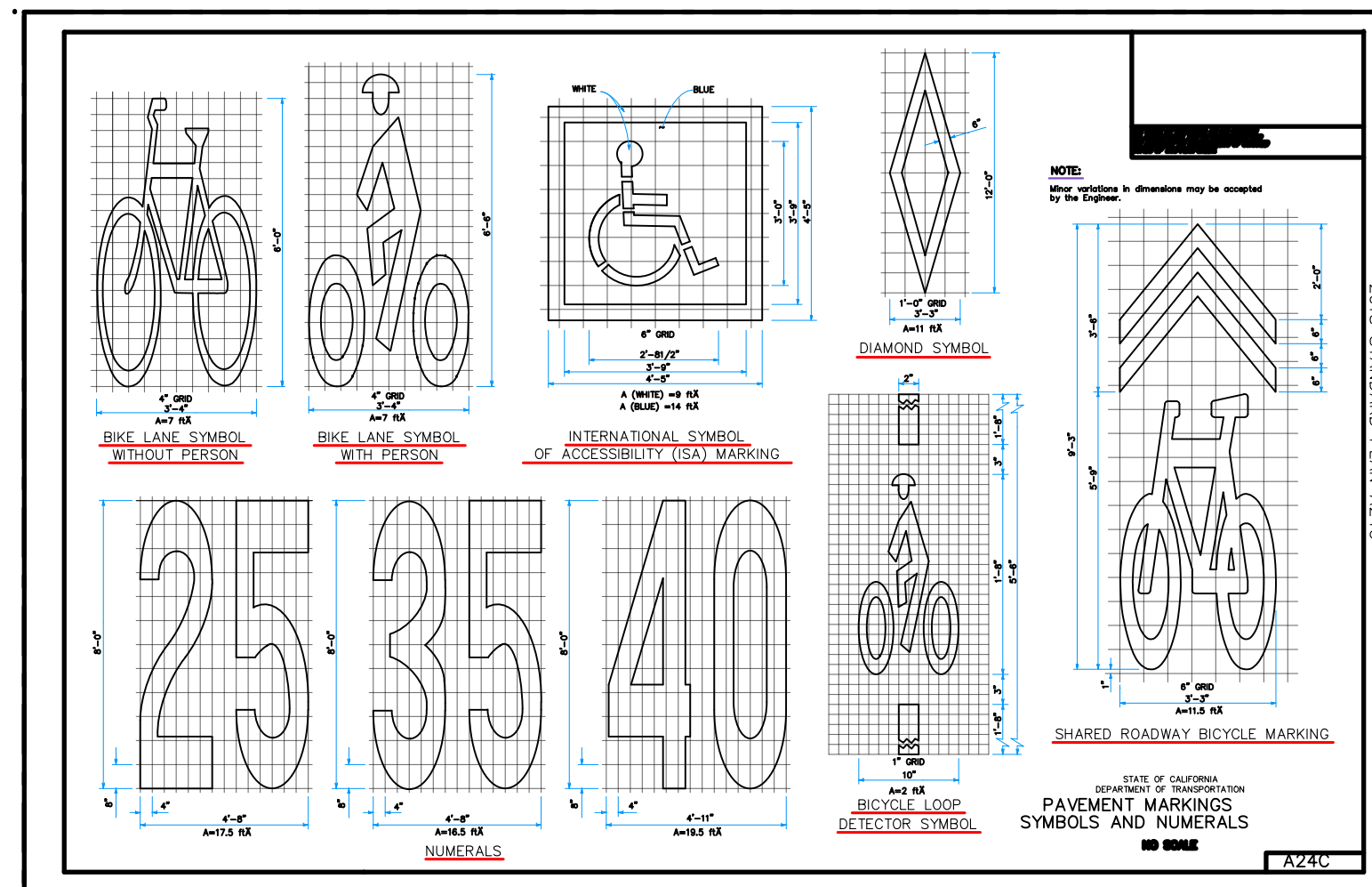
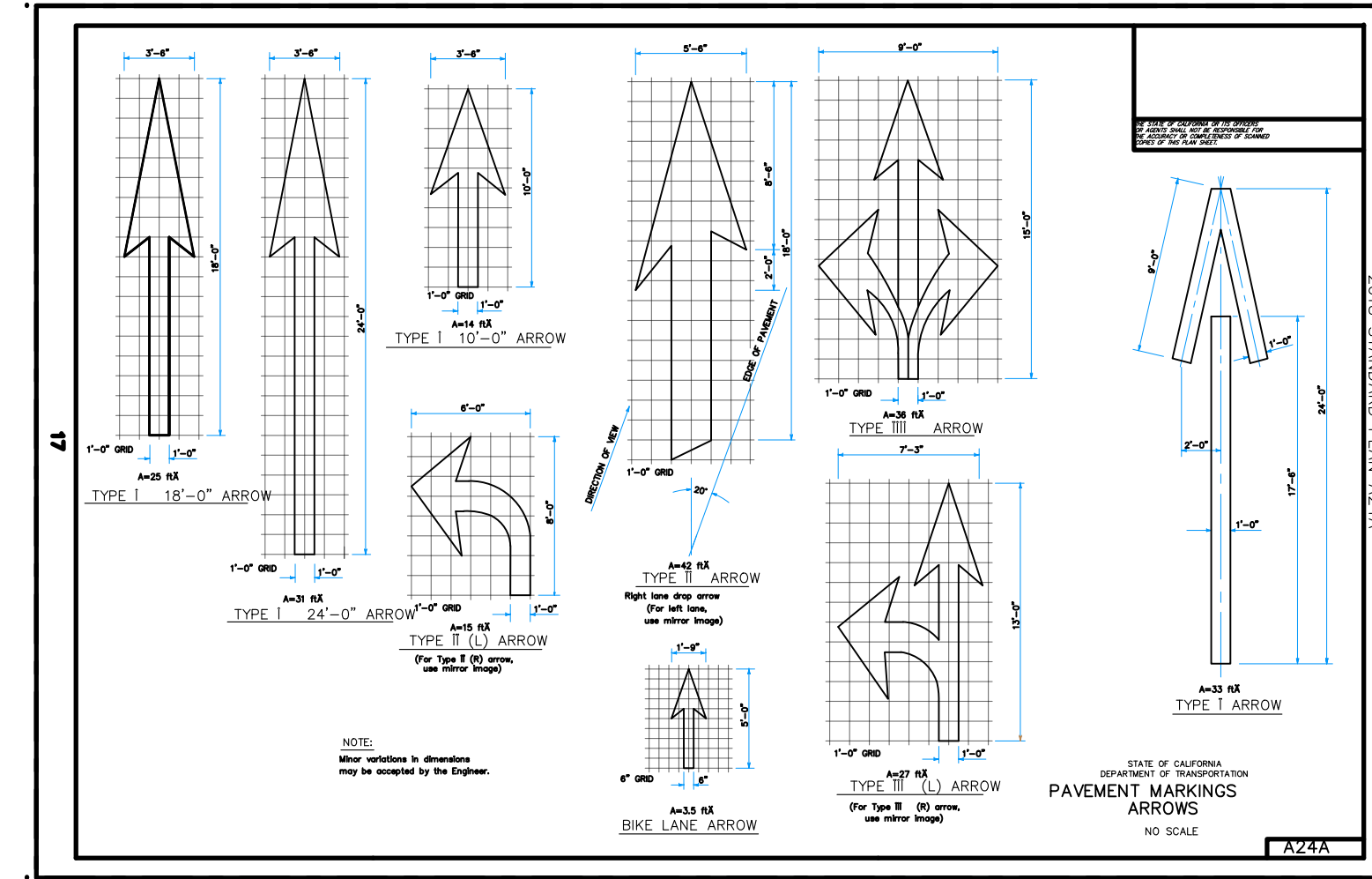
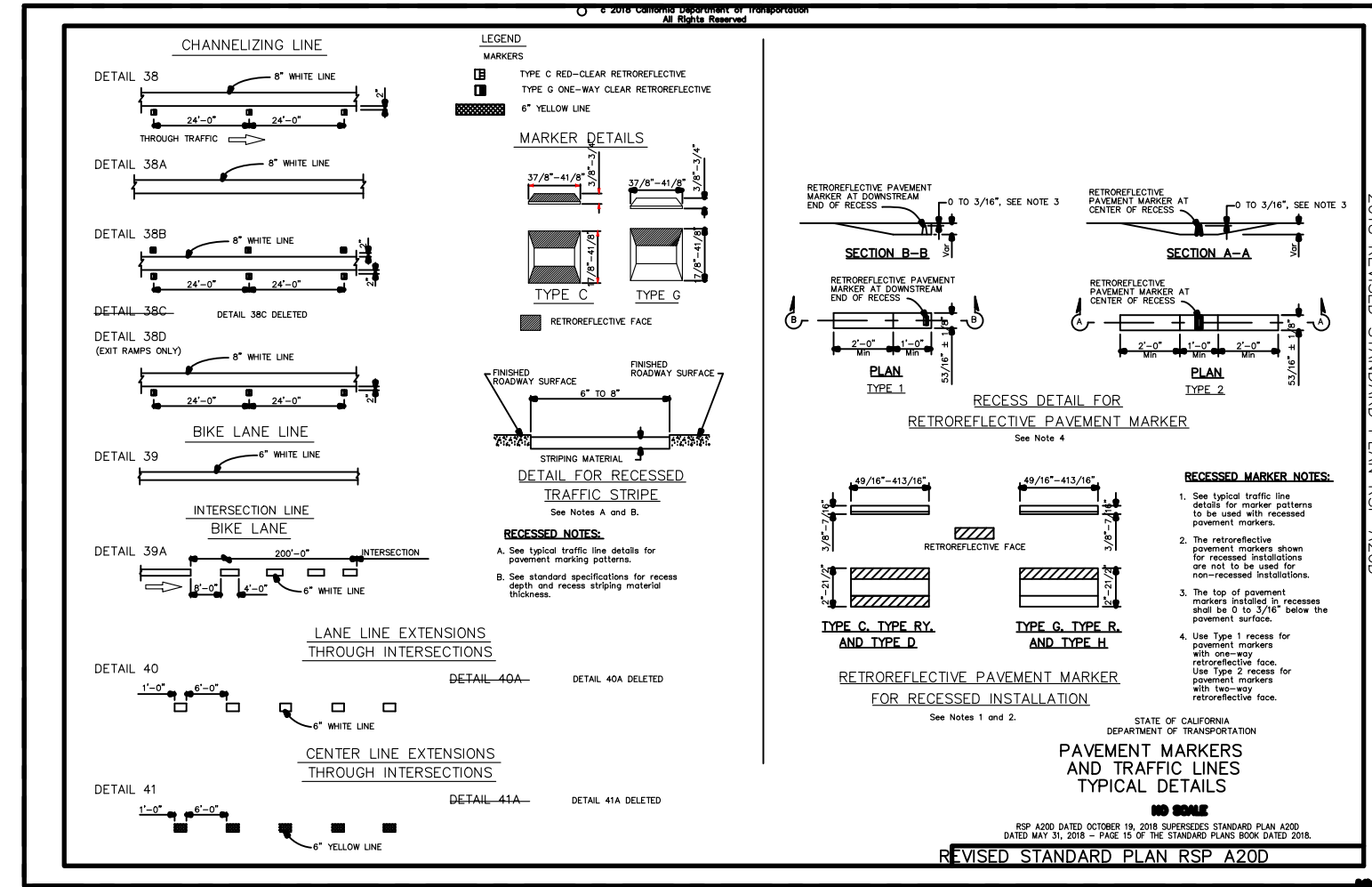
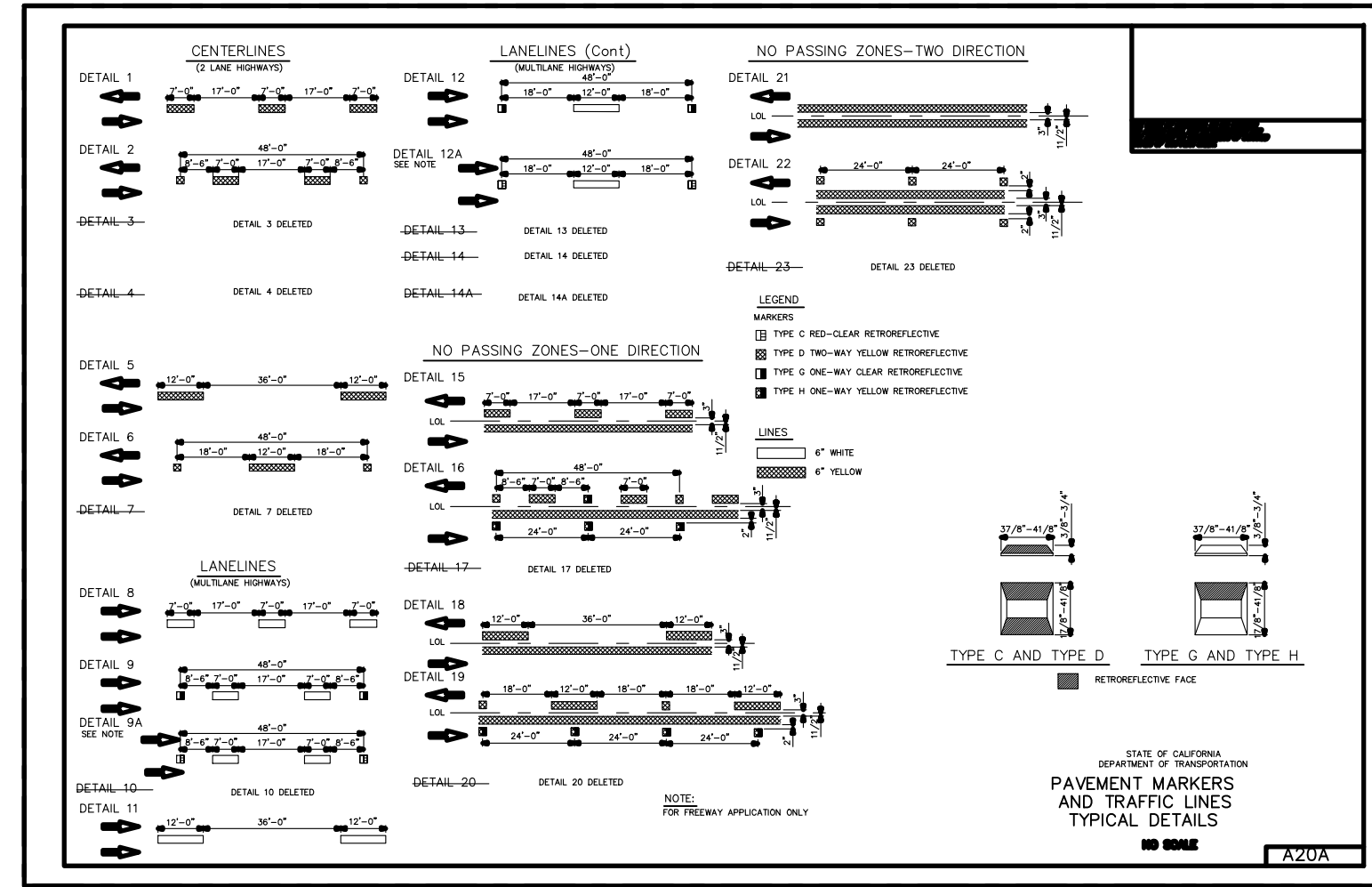


PROJECT NUMBER 21-719	CITY OF CLEARLAKE SANITARY SEWER FORCE MAIN RELOCATION ALIGNMENT	CIVIL ENGINEERING LAND SURVEYING FUNDING PROCUREMENT CONSTRUCTION ADMINISTRATION www.cecausa.net ESTD. 1966	1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office	DATE: X-X-XXXX	NO.:	DESCRIPTION:
				SCALE: 1"=20'	NO.:	DATE:
SHEET 13 OF 18	18TH AVENUE ROAD IMPROVEMENT PROJECT	CALIFORNIA ENGINEERING COMPANY INC	1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-0952 Office	DRAWN BY: MRH	NO.:	DESCRIPTION:
				DESIGNED BY: MRH	NO.:	DATE:
				CHECKED BY: DLS	NO.:	DESCRIPTION:
					NO.:	DATE:

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PROJECT NUMBER 21-719	CITY OF CLEARLAKE CITY STANDARD DETAILS	CIVIL ENGINEERING LAND SURVEYING ENGINEERING CONSTRUCTION ADMINISTRATION www.cecusa.net ESTD 1962	DESCRIPTION
			NO.
SHEET 14 OF 18	18TH AVENUE ROAD IMPROVEMENT PROJECT	DATE: X-X-XXXX	NO.
		SCALE: N/A	DATE:
1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-9952 Office	DESIGNED BY: JMRH	DRAWN BY: JMRH	DATE: X-X-XXXX
			SCALE: N/A
18TH AVENUE ROAD IMPROVEMENT PROJECT	CITY OF CLEARLAKE	CIVIL ENGINEERING LAND SURVEYING ENGINEERING CONSTRUCTION ADMINISTRATION www.cecusa.net ESTD 1962	NO.
			DATE:
SHEET 14 OF 18	18TH AVENUE ROAD IMPROVEMENT PROJECT	CIVIL ENGINEERING LAND SURVEYING ENGINEERING CONSTRUCTION ADMINISTRATION www.cecusa.net ESTD 1962	NO.
			DATE:
1110 Civic Center Blvd., Suite 404 Yuba City, CA 95993 (530) 751-9952 Office	DESIGNED BY: JMRH	DRAWN BY: JMRH	NO.
			DATE:
18TH AVENUE ROAD IMPROVEMENT PROJECT	CITY OF CLEARLAKE	CIVIL ENGINEERING LAND SURVEYING ENGINEERING CONSTRUCTION ADMINISTRATION www.cecusa.net ESTD 1962	NO.
			DATE:



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NOT TO SCALE

PROJECT NUMBER 21-719	CITY OF CLEARLAKE CALTRANS STANDARD DETAILS 18TH AVENUE ROAD IMPROVEMENT PROJECT	DATE: X-X-XXXX	NO.:	DESCRIPTION:
		SCALE: AS SHOWN	NO.:	DESCRIPTION:
SHEET 15 OF 18	DRAWN BY: AMR	CHECKED BY: DLS	DRAWN BY: AMR	
		CHECKED BY: DLS	DESIGNED BY: AMR	

CALIFORNIA ENGINEERING COMPANY, INC.
 CIVIL ENGINEERING
 LAND SURVEYING
 FUNDING PRODUCTION
 CONSTRUCTION ADMINISTRATION
 ESTD. 1965
 1110 Civic Center Blvd., Suite 404 | Yuuba City, CA 95993 | (530) 751-0952 Office
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