

ABBREVIATIONS

AB	AGGREGATE BASE	MFR	MANUFACTURE
ABAN	ABANDON	MG	MILLION GALLONS
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	MH	MANHOLE
AC	ASPHALT CONCRETE	MIN	MINIMUM
ACP	ASBESTOS CEMENT PIPE	MISC	MISCELLANEOUS
AD	ALGEBRAIC DIFFERENCE	MJ	MECHANICAL JOINT
ADA	AMERICANS WITH DISABILITIES ACT	MON	MONUMENT
ADPT	ADAPTER	MSL	MEAN SEA LEVEL
AGC	AGGREGATE	N	NORTH
ALUM	ALUMINUM	NG	NATURAL GROUND
ANG	ANGLE	NO.	NUMBER
AP	ANGLE POINT	NA	NOT APPLICABLE
ASSTN	ASSESSOR'S PARCEL NUMBER	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE	NPT	NATIONAL PIPE THREAD
ARV	AIR RELEASE VALVE	OC	ON CENTER
AVE	AVENUE	OD	OUTSIDE DIAMETER
AVG	AVERAGE	OH	OVERHEAD
BC	BEGIN HORIZONTAL CURVE	OZ	OUNCE
BFP	BACKFLOW PREVENTER	PA	PLANTER AREA
BLDG	BUILDING	PB	PULL BOX
BLVD	BOULEVARD	PC	POINT OF CURVATURE
BM	BENCHMARK	PCC	PORTLAND CEMENT CONCRETE
BO	BLOWOFF	PD	PLANTER DRAIN
BOC	BACK OF CURB	PE	PLAIN END
BV	BUTTERFLY VALVE	PEC	PHOTOELECTRIC CELL
BVC	BEGIN VERTICAL CURVE	PEP	PEDESTRIAN
BSW	BACK OF SIDEWALK	PG	PAD GRADE
BT	BOTTOM OF TAPER	PI	POINT OF INTERSECTION
B&R	BRELJE & RACE	PV	POST INDICATOR VALVE
CAV	COMBINATION AIR AND VACUUM RELEASE VALVE	PN	PAVING NOTCH
CB	CATCH BASIN	PCC	POINT OF CONNECTION
CBG	CALIFORNIA BUILDING CODE	PCV	POINT ON CURVE
CD	CONTROLLED DENSITY FILL	POCC	POINT OF COMPOUND CURVE
CHK	CHECK	POVC	POINT ON VERTICAL CURVE
CHP	CORRUGATED METAL PIPE ARCH	POS	PRIVATE OPEN SPACE
CIPP	CAST-IN-PLACE PIPE	POT	POINT ON TANGENT
CL	CENTERLINE	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVATURE
CL	CLASS	PRV	PRESSURE REDUCING VALVE
CLR	CLEAR	PSD	PERFORATED SUBDRAIN
CMP	CORRUGATED METAL PIPE	PSI	POUND PER SQUARE INCH
CMPA	CORRUGATED METAL PIPE ARCH	PSV	PRESSURE SUSTAINING VALVE
CMU	CONCRETE MASONRY UNIT	PT	POINT
CO	CLEANOUT	PT	POINT OF TANGENCY
COAX	COAXIAL CABLE	PUE	PUBLIC UTILITY EASEMENT
COND	CONCRETE CONDUIT	PVC	POLYVINYL CHLORIDE
COND	CONDUIT	PVI	POINT OF VERTICAL INTERSECTION
CONST	CONSTRUCTION	PVMT	PAVEMENT
COTG	CLEANOUT TO GRADE	PWE	PUBLIC WATER EASEMENT
CP	CONTROL POINT	R	RADIUS
CPLG	COUPLING	RAW	RAW WATER
CR	CURB RETURN	RC	RELATIVE COMPACTION
CSP	CORRUGATED STEEL PIPE	RCB	REINFORCED CONCRETE BOX
CT	COURT	RCP	REINFORCED CONCRETE PIPE
CTB	CEMENT TREATED BASE	RD	ROAD
CTR	CENTER	RD	ROOF DRAIN
CY	CUBIC YARD	RED	REDUCER
C/C	CENTER TO CENTER	REF	REFERENCE
C&G	CURB AND GUTTER	RI	RIGHT OF WAY
DBL	DOUBLE	RFP	REDUCED PRESSURE BACKFLOW PREVENTER
DDCD	DOUBLE CHECK DETECTOR CHECK	RPM	RAISED PAVEMENT MARKER
DCV	DETECTOR CHECK VALVE	RSC	REMOTE SUPERVISORY CONTROL
DDC	DOUBLE DETECTOR CHECK	RT	RIGHT
DET	DETECTOR	RT	RING TIGHT
DH	DETECTOR HANDHOLE	RW	RECYCLED WATER
DI	DITCH/SWALE	RWL	RAIN WATER LEADER
DIA	DIAMETER	R/W	RIGHT OF WAY
DIP	DUCTILE IRON PIPE	S	SOUTH
DLC	DETECTOR LOOP CONDUIT	S	SLOPE
DR	DRIVE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
DS	DOWNSPOUT	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
DWG	DRAWING	SCH	SCHEDULE
DWR	DASHED WHITE PAVEMENT MARKER	SD	STORM DRAIN
DWY	DRIVEWAY	SDCB	STORM DRAIN CATCH BASIN
DY	DOUBLE YELLOW	SDCO	STORM DRAIN CLEANOUT
DYR	DASHED YELLOW RAISED PAVEMENT MARKER	SDDI	STORM DRAIN DROP INLET
E	EAST	SDE	STORM DRAIN EASEMENT
EA	END HORIZONTAL CURVE	SDMH	STORM DRAIN MANHOLE
ECC	ECCENTRIC	SE	SEWER EASEMENT
EFTL	EFFLUENT (SEWER)	S.E.D.	SEE ELECTRICAL DRAWINGS
EG	EXISTING SIGNAL	SF	SQUARE FEET
EL	ELEVATION	SIG	SIGNAL
ELEC	ELECTRICAL	SL	STREET LIGHT
ELL	ELBOW	S.L.D.	SEE LANDSCAPE DRAWINGS
EP	EDGE OF PAVEMENT	SLIP	SLIP ON FLANGE
ERLS	EDGE ROCK LINED SLOPE EASEMENT	SO	SIDE OPENING (SD)
EVC	END VERTICAL CURVE	S.P.D.	SEE PLUMBING DRAWINGS
EW	EACH WAY	SPEC	SPECIFICATION
EX	EXISTING	SQ	SQUARE
F	FIRE	SS	STAINLESS STEEL
FA	FIRE ALARM	SS	SANITARY SEWER
FC	FACE OF CURB	SSCO	SANITARY SEWER CLEANOUT
FCA	FLANGED COUPLING ADAPTER	SSD	SEE STRUCTURAL DRAWINGS
FDC	FIRE DEPARTMENT CONNECTION	SSMH	SANITARY SEWER MANHOLE
FES	FLARED END SECTION	STA	STATION
FF	FINISHED FLOOR	STD	STANDARD
FG	FINISHED GRADE	STL	STEEL
FH	FIRE HYDRANT	SVC	SERVICE
FL	FLOWLINE	SWE	SIDEWALK EASEMENT
FLG	FLANGE	SY	SQUARE YARDS
FLSO	FLOWLINE OF SIDE OPENING	SW	SIDEWALK
FLEX	FLEXIBLE	SWL	SOLID WHITE LINE
FM	FORCE MAIN (PRESSURE)	TAN	TANGENT
FRP	FIBERGLASS REINFORCED PLASTIC	TB	TOP OF BOX
FT	FEET	TBM	TEMPORARY BENCHMARK
FTG	FOOTING	TC	TOP OF CONCRETE
GAL	GALLON	TCE	TEMPORARY CONSTRUCTION EASEMENT
GALV	GALVANIZED	TD	TOP OF DIKE
GB	GRADE BREAK	TEL	TELEPHONE
GPM	GALLONS PER MINUTE	TEMP	TEMPORARY
GRD	GROUND	TF	TOP OF FOUNDATION
GSP	GALVANIZED STEEL PIPE	TG	TOP OF GRATE
GV	GATE VALVE	THD	THREADED
HB	HOSE BIBB	TP	TOP OF PIPE
HDB	HEADER BOARD	TS	TOP OF SLAB
HDG	HOT DIPPED GALVANIZED	TS	TRAFFIC SIGNAL
HDPE	HIGH DENSITY POLYETHYLENE	TT	TOP OF TAPER
HORIZ	HORIZONTAL	TW	TOP OF WALL
HPG	HIGH PRESSURE GAS	TWTL	TWO WAY LEFT TURN LANE
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
HT	HEIGHT	UC	UTILITY CHASE
HWY	HIGHWAY	UFFG	UNDER FLOOR FINISHED GRADE
IC	INTERCONNECT	UG	UNDERGROUND
ICV	IRRIGATION CONTROL VALVE	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
INV	INVERT	VCP	VITRIFIED CLAY PIPE
IP	IRON PIPE	VERT	VERTICAL
IPS	IRON PIPE SIZE	VS	VALLEY GUTTER
IRR	IRRIGATION	VLT	VAULT
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	W	WEST
JB	JUNCTION BOX	W	WATER
JP	JOINT POLE	WBD	WALL BACK DRAIN
JT	JOINT TRENCH	WM	WATER METER
KV	KILOVOLT	WNF	WELD NECK FLANGE
L	ARC LENGTH	WS	WATER SERVICE
L	LENGTH	WSS	WATER SAMPLING STATION
LAT	LATERAL	WT	WEIGHT
LF	LINEAL FEET	WTR	WATER
LG	LIP OF GARAGE	WV	WATER VALVE
LL	LANE LINE	WWF	WELDED WIRE FABRIC
LMA	LUMINAIRE MAST ARM	YD	YARD
LN	LANE		
LP	LOW POINT		
LT	LEFT		
LUM	LUMINAIRE		
MAX	MAXIMUM		
MB	MAILBOX		
MBGR	METAL BEAM GUARD RAIL		

LEGEND

LINES	
APPROXIMATE BOUNDARY	---
APPROXIMATE PARCEL	----
APPROXIMATE CENTER	----
APPROXIMATE EASEMENT	----
UTILITY LINES	
STORM DRAIN	24" SD
WATER	8" W
SEWER	12" SS
GAS	3" G
ELECTRICAL	12KV E
TELEPHONE	T
TELEVISION	TV
JOINT TRENCH	JT
TOPOGRAPHY	
DROP INLET	□
DROP INLET WITH SIDE OPENINGS	□
WATER METER	⊕
WATER VALVE	⊕
BLOWOFF	⊕
FIRE HYDRANT	⊕
THRUST BLOCK	⊕
GAS METER	⊕
STORM DRAIN MANHOLE	⊕
STORM DRAIN CATCH BASIN	⊕
SEWER MANHOLE	⊕
SEWER CLEANOUT	⊕
JOINT POLE	⊕
LIGHT STANDARD	⊕
GUY/ANCHOR	⊕
CURB & GUTTER	⊕
AC DIKE	⊕
FENCE	⊕
CHAIN LINK FENCE	⊕
DITCH/SWALE	⊕
MONUMENT	⊕
TREE PROTECTION	⊕
TREE TO BE SAVED	⊕
TREE TO BE REMOVED	⊕

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L1	1+00.00	N41°26'45.54"E 68.34'
L2	1+68.34	N44°50'17.33"E 125.38'
C1	2+93.72	R=20.00' Δ=34°49'38" L=12.16'
L3	3+05.88	N79°39'55.94"E 24.12'

GENERAL NOTES

- ALL CONSTRUCTION SHOWN ON THESE PLANS SHALL CONFORM TO THE CITY OF HEADSBURG (HEREINAFTER "CITY") DESIGN AND CONSTRUCTION STANDARDS, AS AMENDED THROUGH THE DATE OF CITY APPROVAL OF THESE PLANS (HEREINAFTER "CITY STANDARDS"), AND TO THE MOST CURRENT VERSION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS (HEREINAFTER "CALTRANS STANDARDS"). IN THE EVENT OF CONFLICT BETWEEN CITY STANDARDS AND CALTRANS STANDARDS, CITY STANDARDS SHALL PREVAIL.
- A PRECONSTRUCTION MEETING, INCLUDING CITY AND CONTRACTOR REPRESENTATIVES, IS REQUIRED PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR WORK HOURS SHALL BE LIMITED TO 7:30 AM TO 6:00 PM, MONDAY THROUGH FRIDAY, EXCLUSIVE OF CITY HOLIDAYS.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING PROPERTIES AND ROADWAYS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURER'S APPROVED MUFFLER Baffles. FAILURE TO DO SO MAY RESULT IN THE ISSUANCE OF AN ORDER TO STOP WORK.
- CONTRACTOR(S) SHALL BE REQUIRED TO FOLLOW TRAFFIC SAFETY MEASURES ON AFFECTED ROADWAYS IN ACCORDANCE WITH THE LATEST ADOPTED CALTRANS "MANUAL OF TRAFFIC SAFETY CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES."
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL HALT CONSTRUCTION IMMEDIATELY, NOTIFY THE CITY OF HEADSBURG, AND IMPLEMENT REMEDIATION (AS DIRECTED BY THE CITY OR ITS AGENT) IN ACCORDANCE WITH ANY REQUIREMENTS OF THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD.
- ANY AND ALL EXCESS MATERIALS SHALL BE CONSIDERED THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, THE CITY DESIGNATED CONSTRUCTION MANAGER AND THE CITY IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE GENERAL CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY, LANDSCAPING, AND TREE CONDITIONS THROUGHOUT THE SITE AND ASSUME WHOLLY AND UNCONDITIONALLY THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE, OR OTHER CONDITIONS WHICH THE CONTRACTOR MAY ENCOUNTER IN THE COURSE OF THE WORK.

GENERAL UNDERGROUND NOTES

- NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THESE PLANS, MAY NOT BE ENCOUNTERED. THOSE SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE ENGINEER AND THE CITY OF HEADSBURG ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WORKING OR THAT HAVE UTILITIES WITHIN THE LIMITS OF THIS PROJECT.
- THE EXISTING UTILITIES SHOWN ON THE PLAN ARE A COMPILATION OF THE AVAILABLE INFORMATION. THE DEPICTED LOCATIONS OF BURIED UTILITIES HAVE NOT BEEN VERIFIED WITH SUBSURFACE EXPLORATION.
- 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 2 FULL WORKING DAYS BEFORE STARTING WORK. UNDERGROUND SERVICE ALERT (USA): CALL TOLL-FREE 811 OR (800-227-2600) AT LEAST 2 FULL WORKING DAYS PRIOR TO EXCAVATION.

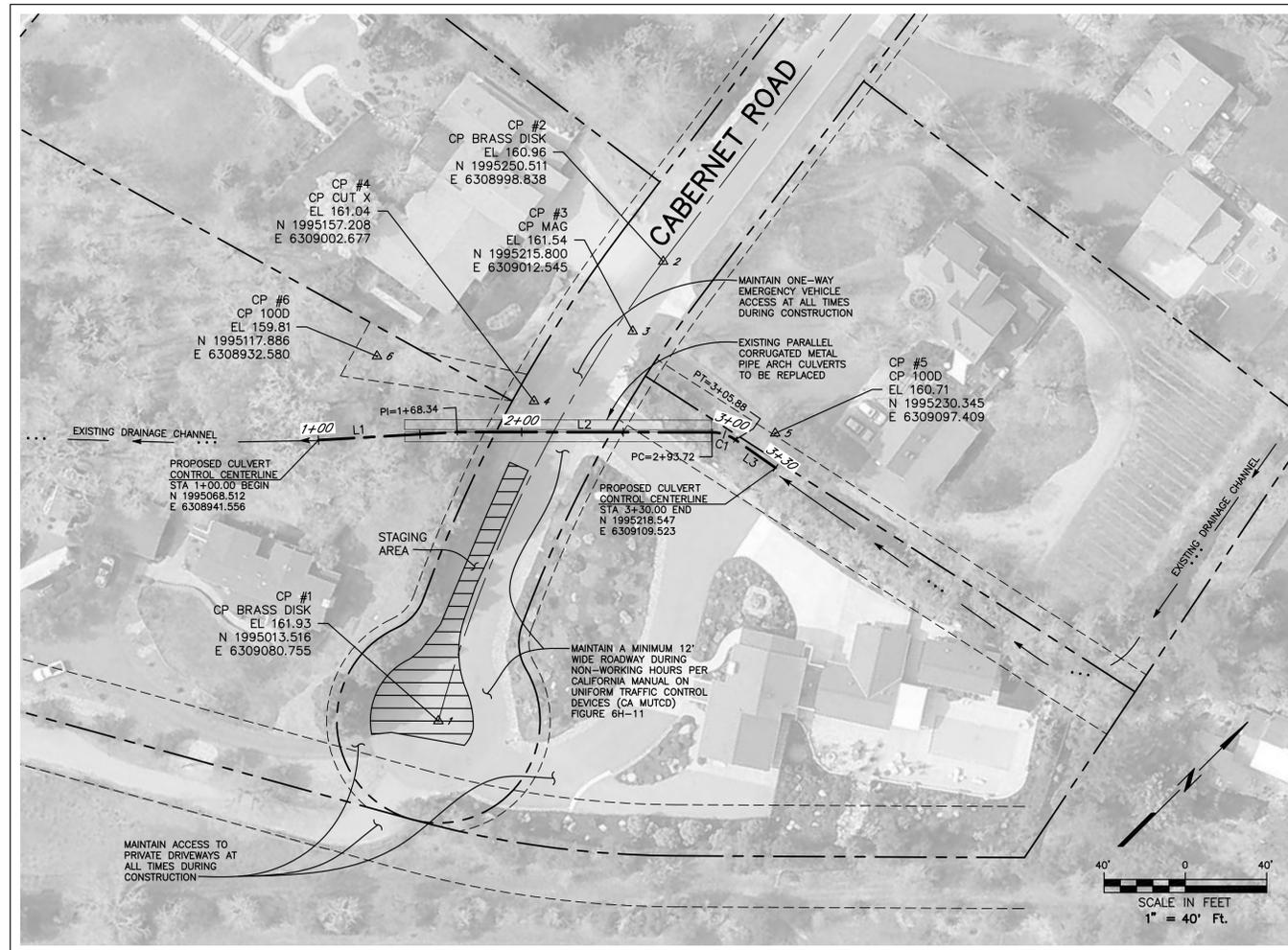
BASIS OF BEARINGS AND BENCHMARK

BASIS OF BEARINGS:
BEING SOUTH 19°04'04" EAST CALCULATED BETWEEN A FOUND 2" BRASS DISK WITH PUNCH SET ON THE CENTERLINE OF CHABLIS ROAD (CAMINO DEL LAGO) AT THE END OF THE LINE THAT BEARS SOUTH 08°28'16" EAST 436.15 FEET AND A FOUND 2" BRASS DISK WITH PUNCH SET AT THE END OF THE CENTERLINE OF CHABLIS ROAD (CAMINO DEL LAGO) AS SHOWN AND DELINEATED ON THAT CERTAIN MAP ENTITLED "LAS LOMAS" FILE IN BOOK 280 OF MAPS AT PAGES 17 THROUGH 19 SONOMA COUNTY RECORDS.

BENCHMARK:
THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM, ZONE 2, NAD83 (EPOCH 2017.50) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8900-8902. SAID ELEVATIONS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK, OR EQUIVALENT STATIONS:

ELEVATION:
SITE BM CP#1 TOP DISK ELEVATION = 161.933 FEET (COH88)

STATION	NORTHING(Y)	EASTING(X)	ELEVATION
201	1966372.429	6373394.990	1248.653 FEET(COH88)
204	2005339.217	6358801.605	1009.430 FEET(COH88)



OVERALL SITE PLAN

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CABERNET ROAD CULVERT REPLACEMENT

HEADSBURG PUBLIC WORKS & TRANSPORTATION
HEADSBURG, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
5074.00	JULY 2024
DRAWN BY	CHECKED BY
-	BLB

ABBREVIATIONS, LEGEND, NOTES, & OVERALL SITE PLAN

SHEET NO.



**CABERNET ROAD
 CULVERT
 REPLACEMENT**

HEALDSBURG PUBLIC
 WORKS & TRANSPORTATION
 HEALDSBURG, CALIFORNIA

DEMOLITION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

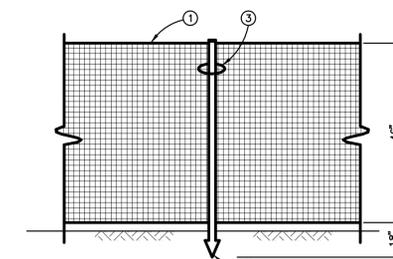
- [A] INSTALL TEMPORARY CONSTRUCTION FENCE. CONSTRUCTION FENCING SHALL BE REMOVED AS THE LAST ORDER OF WORK FOLLOWING INSTALLATION OF FINAL EROSION CONTROL AND SURFACING IMPROVEMENTS.
- [B] REMOVE AND DISPOSE OF EXISTING CORRUGATED METAL PIPE ARCH CULVERT.
- [C] EXISTING TREE TO REMAIN. HAND DIG WHERE GRADING ACTIVITIES ARE SHOWN TO OCCUR WITHIN THE DRIPLINE OF THE EXISTING TREE.
- [D] REMOVE AND DISPOSE OF EXISTING SDDI.
- [E] POTHOLE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF WORK CANNOT BE CONSTRUCTED AS DESIGNED DUE TO CONFLICT WITH EXISTING FACILITIES.
- [F] EXISTING LANDSCAPED AREA. REMOVE AND STORE EXISTING BUSHES AND PLANTS FOR REPLANTING FOLLOWING UTILITY REPLACEMENT AND GRADING ACTIVITIES. TEMPORARILY CAP EXISTING PRIVATE IRRIGATION AND LANDSCAPE LIGHTING AT LIMITS OF PROPOSED EXCAVATIONS. SEE SURFACING PLAN ON SHEET 5 FOR ADDITIONAL INFORMATION.

LEGEND

- REMOVE AND DISPOSE OF EXISTING STORM DRAIN UTILITY
- INSTALL TEMPORARY CONSTRUCTION FENCING PER DETAIL THIS SHEET
- TREE AND STUMP TO BE REMOVED

SHEET NOTES

1. EXISTING TREES, SURFACING IMPROVEMENTS, LANDSCAPING, AND IRRIGATION BEYOND CONSTRUCTION FENCING SHALL BE PROTECTED IN PLACE.
2. EXTENTS OF HARDSCAPE AND LANDSCAPING REMOVAL AND REPLACEMENT NOT SHOWN ON THIS SHEET. SEE SHEET 5 FOR ANTICIPATED EXTENTS OF SURFACING IMPROVEMENTS. HARDSCAPE REMOVAL SHALL BE KEPT TO THE MINIMUM POSSIBLE NECESSARY TO PERFORM THE WORK.

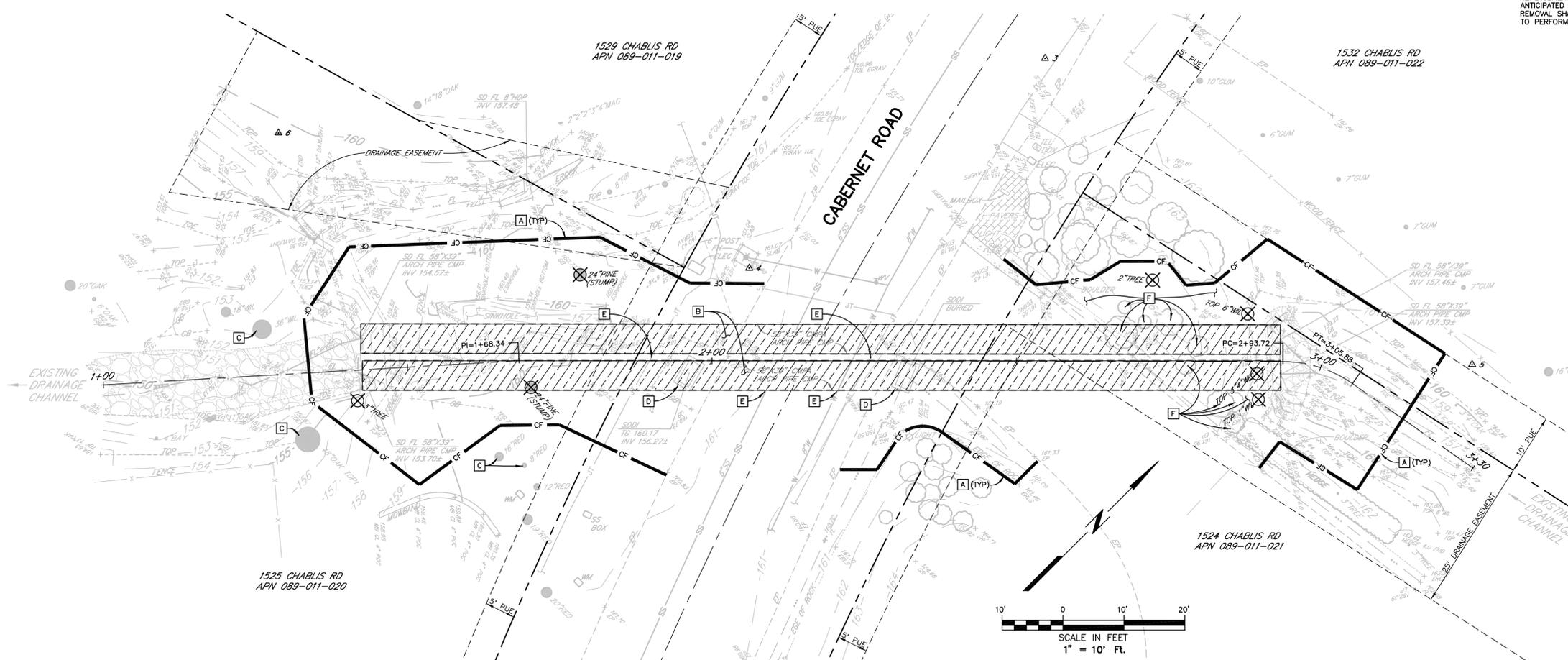


- ① FRASER-EDWARDS SPORTS FENCE - IT PLUS/PLASTIC FENCING, OR EQUAL COLOR-ORANGE OR RED.
- ② LIGHTWEIGHT 5-1/2' HEIGHT STANDARD FORM QUALITY "T-POST" PLACED AS NEEDED TO FORM DRIPLINE RADIUS. (POST SPACING 20' MAXIMUM).
- ③ SLIDE FABRIC OVER "T-POST" AND INSTALL METAL TIE WIRE AT TOP OF POST.

NOTE
 INSTALL CONSTRUCTION FENCING AT THE LOCATION SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. WHERE POSSIBLE, LOCATE FENCING NO CLOSER THAN THE DRIPLINE OF EXISTING TREES TO BE SAVED.

TEMPORARY CONSTRUCTION FENCE

NOT TO SCALE



PLAN

REVISIONS

NO.	DATE	DESCRIPTION

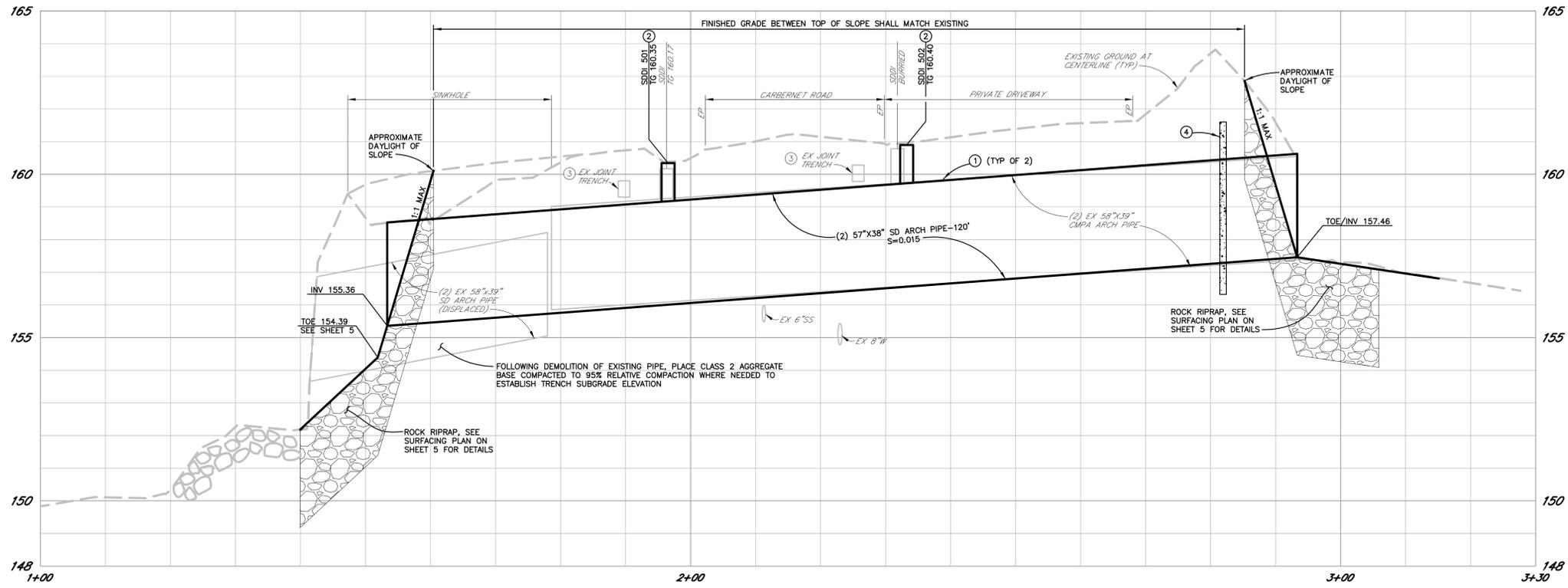
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PROJECT 5074.00	DATE JULY 2024
DRAWN BY JLP	CHECKED BY BLB

**DEMOLITION
 PLAN**

SHEET NO.

3 OF **6**



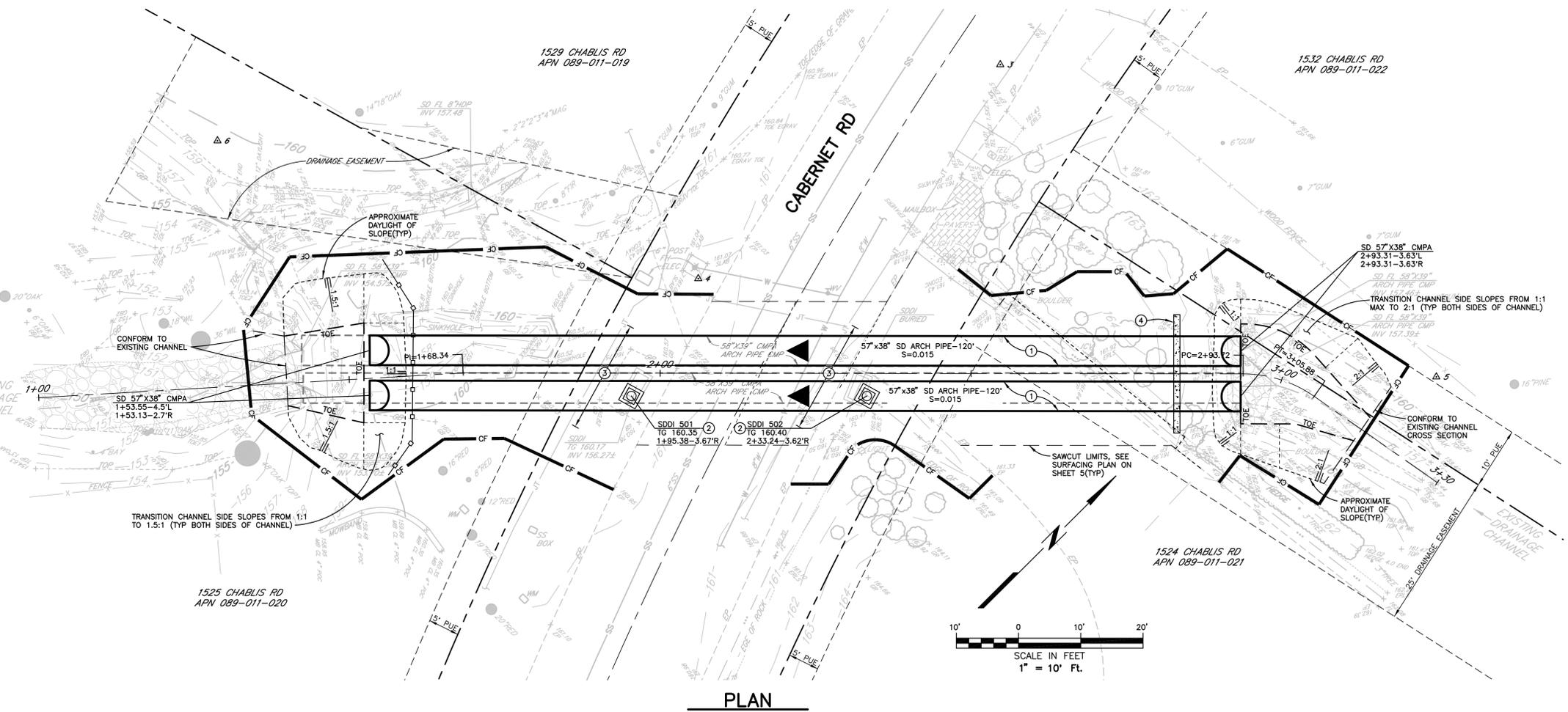
PROFILE
SCALE: HORIZ. 1" = 10'
VERT. 1" = 2'

UTILITY CONSTRUCTION NOTES

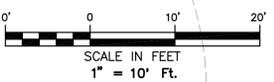
- ① INSTALL 57"x38" ARCHED CULVERT PER DETAIL ON SHEET 6
- ② INSTALL CMP RISER AND STORM DRAIN DROP INLET PER DETAIL ON SHEET 6
- ③ EXISTING JOINT TRENCH WITH ±6" THICK CONCRETE CAP TO REMAIN. REMOVE AND REPLACE CONCRETE CAP AS NEEDED TO PERFORM CULVERT REPLACEMENT WORK. SUPPORT EXISTING UTILITIES ACROSS TRENCH DURING CONSTRUCTION.
- ④ FOLLOWING INSTALLATION OF NEW CULVERTS, INSTALL CONCRETE CUTOFF TRENCH DAM ACROSS TRENCH AT APPROXIMATELY STA 2+83 PER DETAIL ON SHEET 6

SHEET NOTES

1. EXISTING TREES AND STUMPS TO BE REMOVED NOT SHOWN ON THIS SHEET FOR CLARITY PURPOSES, SEE DEMOLITION PLAN ON SHEET 3.
2. SEE LAYOUT COORDINATE TABLE FOR GRADING AND SURFACING FINISHED GRADE ELEVATIONS.



PLAN



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HEALDSBURG PUBLIC
WORKS & TRANSPORTATION
HEALDSBURG, CALIFORNIA

REVISIONS		
NO.	DATE	DESCRIPTION

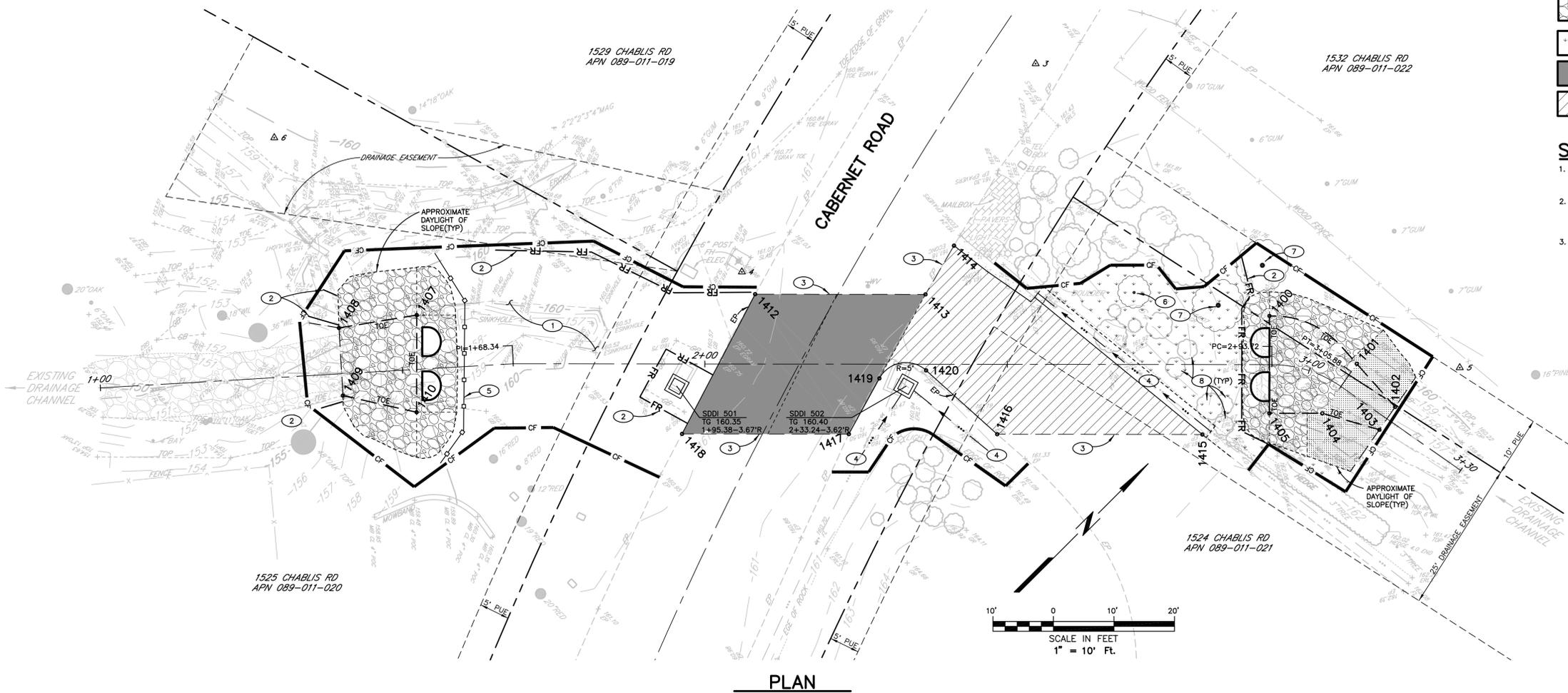
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**UTILITY &
GRADING
PLAN &
PROFILE**

SHEET NO.
4 OF **6**

07-03-24 bryant \\5074.dwg\5074.dwg\5074.00\PLAN-PROFILE.dwg TAB: 4 UTILITY & GRADING PLAN & PROFILE



PLAN

CONSTRUCTION NOTES

1. PRIOR TO APPLICATION OF HYDRO-SEED, GRADE AREA TO DRAIN TO EXISTING SWALE TO THE NORTH AND SDDI 501 SEE SHEET NOTE 2
2. INSTALL FIBER ROLL PER DETAIL ON SHEET 6
3. SAWCUT AND CONFORM TO EXISTING PER DETAIL ON SHEET 6
4. RECONSTRUCT ROCK-LINED SWALE PER DETAIL ON SHEET 6 AND CONFORM TO EXISTING SWALE TO REMAIN
5. INSTALL 4.5' TALL WIRE MESH FENCE WITH WOOD POSTS SIMILAR TO CALTRANS STANDARD A86
6. INSTALL 15 GALLON CRIMSON KING MAPLE TREE PER DETAIL ON SHEET 6
7. INSTALL 24" BOX WILLOW PER DETAIL ON SHEET 6
8. EXISTING BRUSH WITHIN LIMITS OF CONSTRUCTION FENCING TO BE SALVAGED AND REPLANTED IN PREVIOUS LOCATION

LEGEND

- APPLY SEED, FERTILIZER, AND INSTALL EROSION CONTROL BLANKET TO ALL DISTURBED AREAS OF THE CHANNEL NOT RECEIVING RIPRAP SLOPE PROTECTION
- INSTALL MINIMUM 36" THICK RIPRAP ROCK SLOPE PROTECTION OVER GEOTEXTILE PER DETAIL SHEET 6. ROCK SHALL BE STACKED WHERE SLOPE IS GREATER THAN 1.5H:1V
- RESTORE LANDSCAPING, MULCH, WEED BARRIER, IRRIGATION, AND LOW VOLTAGE LIGHTING TO MATCH EXISTING
- LIMITS OF ROADWAY TRENCH PAVING, MINIMUM 0.35' AC SURFACE PER TRENCH SECTION ON SHEET 6
- LIMITS OF PRIVATE DRIVEWAY RECONSTRUCTION, MINIMUM 0.25' AC SURFACE PER TRENCH SECTION ON SHEET 6

SHEET NOTES

1. EXISTING TREES AND STUMPS TO BE REMOVED NOT SHOWN ON THIS SHEET FOR CLARITY PURPOSES, SEE DEMOLITION PLAN ON SHEET 4.
2. ALL DISTURBED AREAS NOT RECEIVING PAVING, ROCK RIPRAP, LANDSCAPING, OR AN EROSION CONTROL BLANKET SHALL BE HYDROSEEDDED FOLLOWING FINAL GRADING AND INSTALLATION OF EROSION CONTROL MEASURES.
3. LOCATION OF NEW TREES IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LAYOUT COORDINATE TABLE

NO	TYPE	ELEV
1400	AP/TOE	157.46
1401	AP/TOE	157.34
1402	AP/CONFORM/TOE	157.27±
1403	AP/CONFORM/TOE	157.12±
1404	AP/TOE	157.30
1405	AP/TOE	157.46
1407	AP/TOE	154.39
1408	AP/CONFORM/TOE	153.59±
1409	AP/CONFORM/TOE	152.78±
1410	AP/TOE	154.39
1412	AP/EP/CONFORM	160.85±
1413	AP/EP/CONFORM	161.08±
1414	AP/EP/CONFORM	161.18±
1415	AP/EP/CONFORM	161.89±
1416	AP/EP/CONFORM	161.26±
1417	AP/EP/CONFORM	160.88±
1418	AP/EP/CONFORM	160.88±
1419	BC/EP	160.89
1420	EC/EP	161.03



CABERNET ROAD CULVERT REPLACEMENT

HEALDSBURG PUBLIC WORKS & TRANSPORTATION
HEALDSBURG, CALIFORNIA

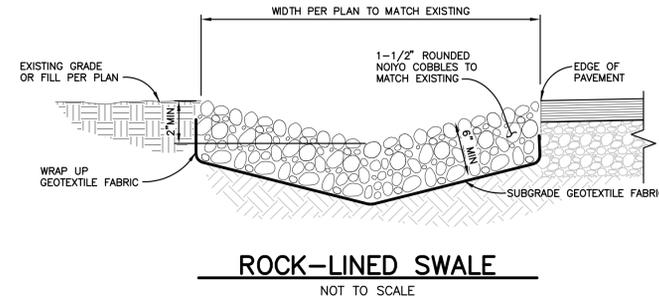
REVISIONS

NO.	DATE	DESCRIPTION

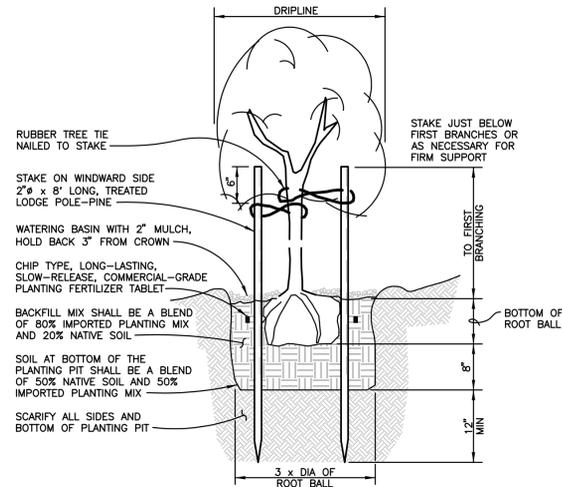
ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT 5074.00	DATE JULY 2024
DRAWN BY JLP	CHECKED BY BLB

SURFACING, EROSION CONTROL, & LAYOUT PLAN

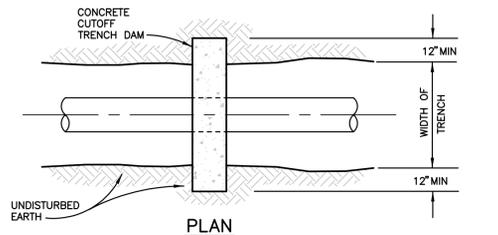


ROCK-LINED SWALE
NOT TO SCALE

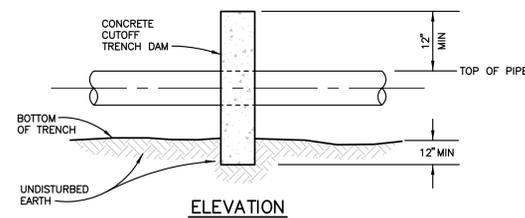


- NOTES**
1. PLANT SO THAT TOP OF ROOT BALL IS 1" ABOVE FINISHED GRADE.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THE HEALTH OF THE TREES FOR 1-YEAR FROM THE PROJECT COMPLETION DATE.
 3. SATURATE EXCAVATED HOLE WITH WATER PRIOR TO PLANTING TREE.

TREE PLANTING
NOT TO SCALE

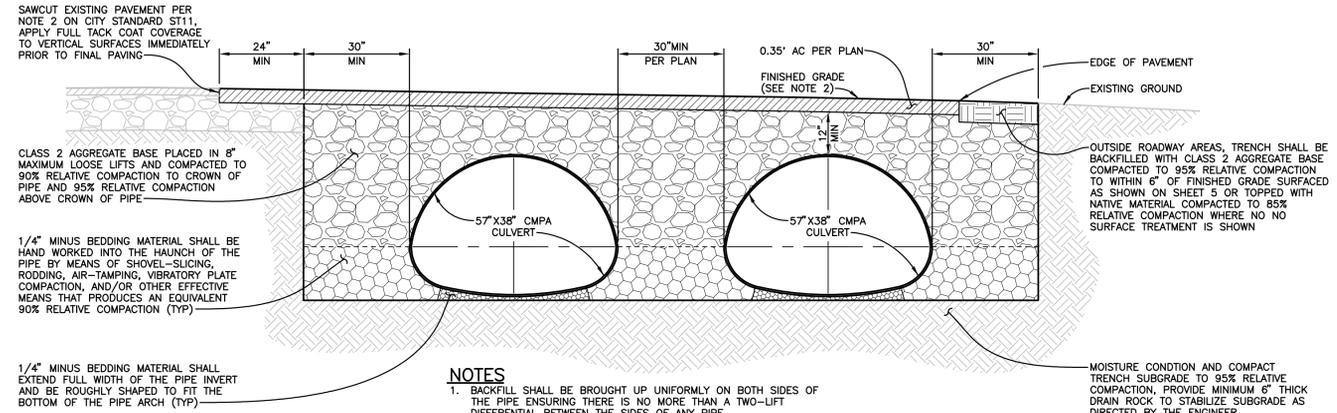


PLAN



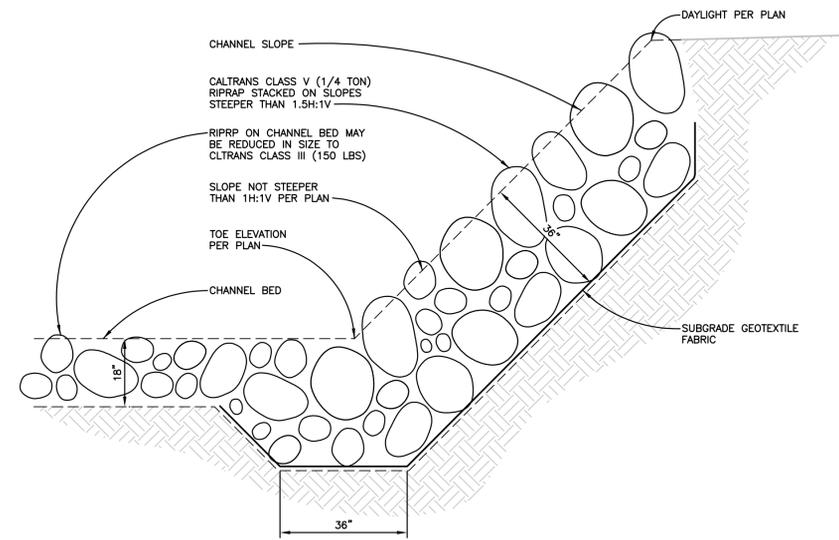
ELEVATION

TYPICAL CONCRETE CUTOFF TRENCH DAM
NOT TO SCALE

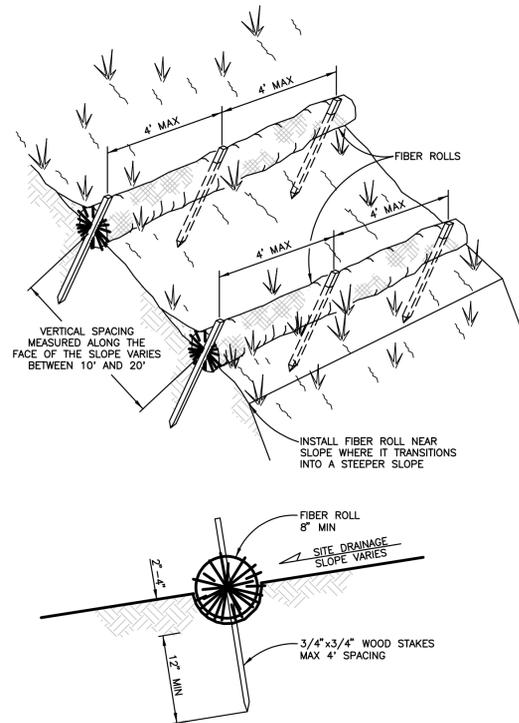


- NOTES**
1. BACKFILL SHALL BE BROUGHT UP UNIFORMLY ON BOTH SIDES OF THE PIPE ENSURING THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE.
 2. FINISHED GRADE SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.

PARALLEL CMPA CULVERT TRENCH SECTION
SCALE: 1"=2'

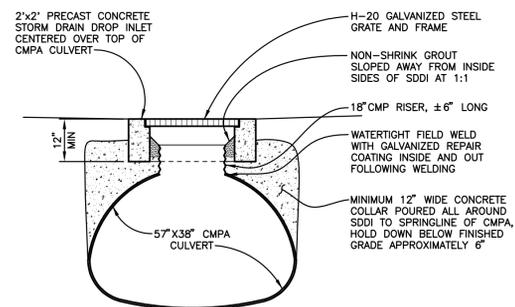


TYPICAL RIPRAP SECTION
NOT TO SCALE



- NOTES**
1. FIBER ROLL INSTALLATION, ALONG A LEVEL CONTOUR, REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"-4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
 2. FIBER ROLLS TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS, OR FILTER FABRIC TO FILL GAPS BETWEEN THE ROLLS AND TAMP THE BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND FIBER ROLLS.

FIBER ROLLS ON SLOPE
NOT TO SCALE



CMP RISER AND DROP INLET
SCALE: 1"=2'



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DETAILS

SHEET NO.