

CONSTRUCTION PLANS FOR THE CONSTRUCTION OF: BMX TRACK AND PARK PROJECT

SCHOOL ROAD
MCKINLEYVILLE, CA 95519

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PREPARED FOR:

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

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MCKINLEYVILLE, CA 95519
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PREPARED BY:



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GENERAL CONSTRUCTION NOTE:

CONSTRUCTION UNDER THIS CONTRACT SHALL COMPLY WITH THE LATEST CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PUBLIC CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), AND THE 2016 CALIFORNIA ENERGY STANDARDS AS AMENDED BY THE STATE OF CALIFORNIA AND THE LOCAL JURISDICTION.

KEY MAP OF HUMBOLDT COUNTY



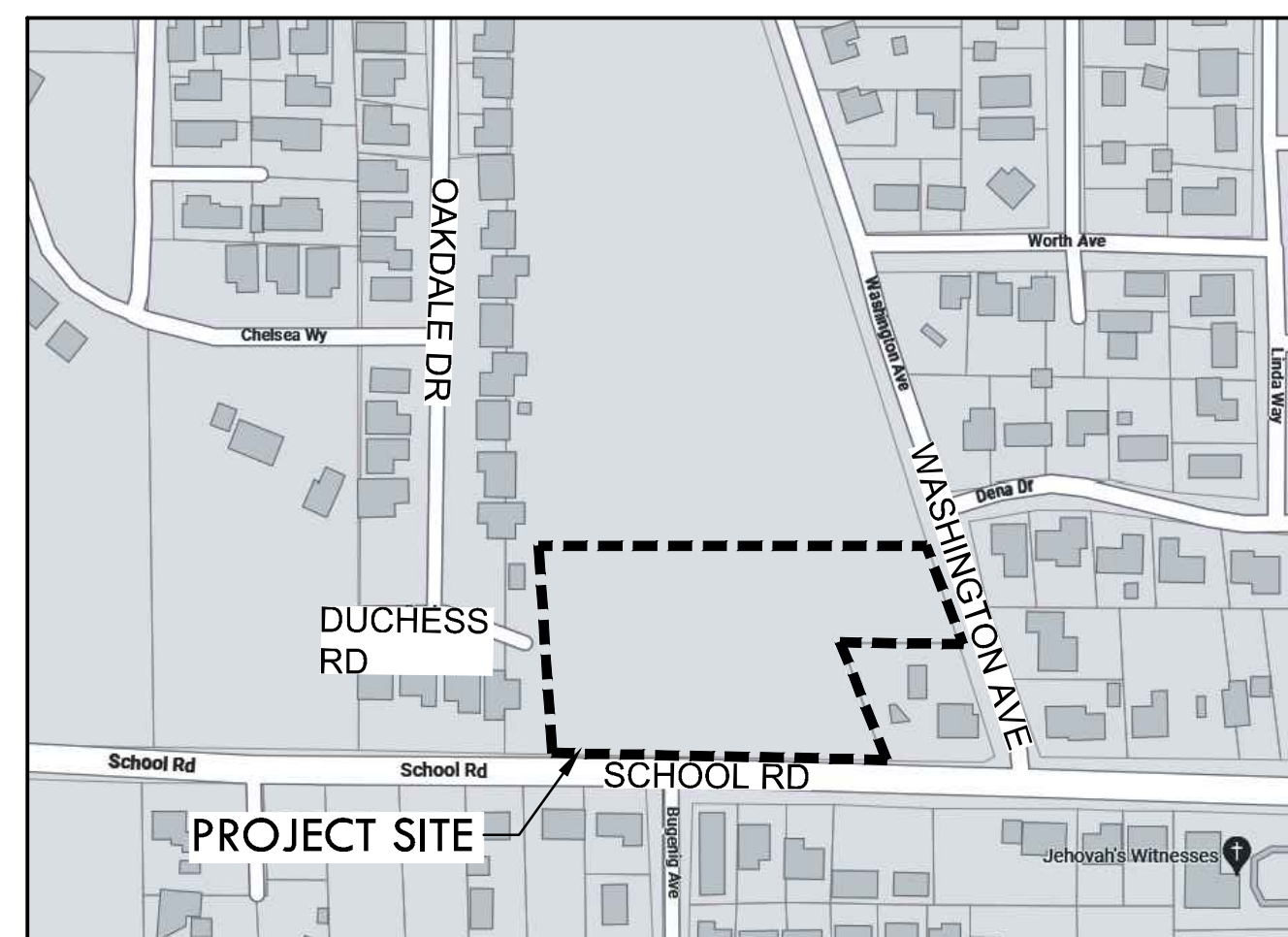
PREPARED BY OR UNDER THE SUPERVISION OF:

DATE _____
GREG MELTON
RLA No. 4217

ACCEPTED BY:

DATE _____
PATRICK KASPARI
GENERAL MANAGER

KEY MAP OF PROJECT SITE



820 BROADWAY ST.
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LICENSE



CONSULTANT

CLIENT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

TITLE SHEET

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
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4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PLOT DATE: 12-28-2023

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: ...

SHEET NUMBER

T1

SHEET 1 OF 47

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MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) SOILS MANAGEMENT REPORT NOTE

IN ORDER TO REDUCE RUNOFF AND ENCOURAGE HEALTHY PLANT GROWTH, A SOIL MANAGEMENT REPORT SHALL BE COMPLETED BY THE PROJECT LANDSCAPE CONTRACTOR AS FOLLOWS: SUBMIT SOIL SAMPLES TO A LABORATORY FOR ANALYSIS AND RECOMMENDATIONS (SUNLAND ANALYTICS TESTING PACKAGE # LTP.4 OR EQUAL- PHONE: 916-852-8557). SOIL SAMPLING SHALL BE CONDUCTED IN ACCORDANCE WITH LABORATORY PROTOCOL, INCLUDING PROTOCOLS REGARDING ADEQUATE SAMPLING DEPTH FOR THE INTENDED PLANTS.

THE SOIL ANALYSIS SHALL INCLUDE: SOIL TEXTURE; INFILTRATION RATE DETERMINED BY LABORATORY TEST OR SOIL TEXTURE INFILTRATION RATE TABLE; PH; TOTAL SOLUBLE SALTS; SODIUM; PERCENT ORGANIC MATTER; AND RECOMMENDATIONS STATED IN RATES OF COMMONLY/ COMMERCIALY AVAILABLE AMENDMENTS (CUBIC YARDS OF WEIGHT PER 1,000 SF).

THE LANDSCAPE CONTRACTOR SHALL MAKE THE THE SOIL ANALYSIS REPORT AVAILABLE, IN A TIMELY MANNER, TO THE PROFESSIONALS PREPARING THE LANDSCAPE DESIGN PLANS AND IRRIGATION DESIGN PLANS TO MAKE ANY NECESSARY ADJUSTMENTS TO THE DESIGN PLANS.

THE CONTRACTOR, OR HIS/HER DESIGNEE, SHALL SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE LOCAL AGENCY WITH CERTIFICATE OF COMPLETION.

TREE PROTECTION NOTES

- PRIOR TO ANY GROUND DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING, SCRAPING, OR GRADING, THE SUPERVISING CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION (PRE-GROUND DISTURBANCE) SITE MEETING WITH THE LANDSCAPE ARCHITECT, MCKINLEYVILLE COMMUNITY SERVICES DEPARTMENT, AND THE SUPERVISING CONTRACTOR. THE PURPOSE OF THE PRE-CONSTRUCTION SITE MEETING IS TO VERIFY THAT TREE PROTECTION FENCING IS IN PLACE AND TO INSURE THAT ALL PARTIES ARE FAMILIAR WITH THE NATURE OF THE WORK INVOLVED.
- PRIOR TO ANY GROUND DISTURBING ACTIVITIES, AND PRIOR TO THE SUPERVISING CONTRACTOR'S MAKING THE ARRANGEMENTS FOR THE PRE-CONSTRUCTION SITE MEETING, A TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED AS INDICATED ON PLANS. THE FENCE SHALL BE 4' MINIMUM HEIGHT, ORANGE POLYETHYLENE FENCING AS MANUFACTURED BY GEOTENAX CORP. (800-356-8495), OR EQUAL. INSTALL WITH METAL 'T' STAKES (TO EXTEND TO 4 FOOT MINIMUM HEIGHT ABOVE FINISH GRADE). FENCING SHALL BE SUBSTANTIAL ENOUGH TO RESTRICT ACTIVITY TO OUTSIDE THE AREA AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR OTHER CONSTRUCTION ACTIVITY. DURING CONSTRUCTION, MAINTENANCE SHALL BE PERFORMED SO THAT THE FENCE REMAINS IN GOOD REPAIR. REMOVAL OF THE FENCE SHALL ONLY OCCUR TO ALLOW REQUIRED CONSTRUCTION WITHIN THE AREA OR TO COMPLETE SITE LANDSCAPING. MINIMIZE DAMAGE TO TREE LIMBS, CROWN, CANOPY, AND TRUNK OF TREES TO REMAIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE TREE FROM EXCESS FILL AND/OR THE REMOVAL OF EXCESS SOIL FROM THE TREE ROOT ZONE. THE TREE ROOT ZONE IS A PROJECTED RADIUS ON THE GROUND FORMED BY THE OUTERMOST EDGE OF THE TREE CANOPY.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MINIMIZE COMPACTION OF THE SOIL WITHIN THE TREE ROOT ZONES OF ALL TREES TO REMAIN.
- WHEN EXISTING TREE ROOTS ARE ENCOUNTERED DURING THE COURSE OF TRENCHING, THE CONTRACTOR SHALL PREVENT THE TREE ROOTS FROM DESICCATION (DRYING OUT), BY APPLICATION OF A SEALING AGENT AND BY MINIMIZING THE AMOUNT OF TIME THAT TREE ROOTS ARE EXPOSED. TREE ROOTS SHALL ONLY BE EXPOSED WHEN TEMPERATURES ARE ANTICIPATED TO BE ABOVE FORTY DEGREES FAHRENHEIT AND BELOW 90 DEGREES FAHRENHEIT AND SHALL NOT REMAIN EXPOSED LONGER THAN 12 HOURS. IN THE EVENT THAT TRENCHES WITHIN TREE ROOT ZONES CANNOT BE BACKFILLED WITHIN 12 HOURS, THE CONTRACTOR SHALL COVER EXPOSED ROOTS WITH BURLAP AND MAINTAIN MOISTURE BY APPLICATION OF WATER TO MOISTEN BURLAP UNTIL TRENCHES CAN BE BACKFILLED.
- UNDERGROUND FACILITIES AND TRENCHES, (e.g., UTILITY SERVICES, SANITARY SEWER, OR STORM DRAINAGE LINES) SHALL BE CONSOLIDATED, TO THE EXTENT FEASIBLE, AND LOCATED TO MINIMIZE IMPACTS UPON TREE ROOT SYSTEMS. ANY TRENCHING OR UNDERGROUND WORK SHOULD BE LOCATED OUTSIDE OF THE TREE DRIPLINE TO THE FULLEST EXTENT FEASIBLE. ANY TRENCHING REQUIRED WITHIN THE TREE DRIPLINE SHALL BE AS FAR FROM THE TREE TRUNK AS POSSIBLE AND SHALL BE EXCAVATED BY HAND OR 'AIR SPADE' OR PNEUMATIC EXCAVATOR TO MINIMIZE IMPACT ON ROOTS.
- ROOTS 3/4 IN. OR GREATER IN SIZE ENCOUNTERED DURING TRENCHING SHALL BE CLEANLY HAND PRUNED AND TREATED WITH A SEALING AGENT TO REDUCE LOSS OF MOISTURE TO THE TREE. ROOTS GREATER THAN 1-1/2 IN. SHALL BE PRESERVED AND PROTECTED. CARE SHALL BE TAKEN TO MINIMIZE ABRASIONS TO ROOT BARK.
- CONSTRUCTION VEHICLES, EQUIPMENT, OR MATERIALS (INCLUDING, BUT NOT LIMITED TO JOB SHACKS, PORTABLE TOILETS, AND CLEANOUT FACILITIES) SHALL NOT BE PARKED OR STORED WITHIN THE FENCED AREA. NO STAGING OR STORAGE AREA FOR CONSTRUCTION SHALL BE LOCATED CLOSER THAN 20 FEET TO THE DRIPLINE OF ANY TREE TO BE PROTECTED.
- ALL CONSTRUCTION WASTES, INCLUDING BUT NOT LIMITED TO BUILDING MATERIAL DEBRIS, ROOFING MATERIALS, CLEANING OF CEMENT TRUCKS, CHEMICALS/ADHESIVES/SOLVENTS, ETC., SHALL BE STORED OR DISPOSED OF NO CLOSER THAN 20 FEET FROM ANY TREE DRIPLINE.
- EXISTING TREES TO BE RETAINED AND PROTECTED AS INDICATED ON THE DEMOLITION AND/ OR CONSTRUCTION PLANS.

PROJECT CONSTRUCTION APPROVAL CHECKLIST

CHECK BOX	DESCRIPTION	OWNER REP. INITIALS	GC INITIALS	DATE
<input type="checkbox"/>	PRE-CONSTRUCTION MEETING WITH PROJECT SCHEDULE			
<input type="checkbox"/>	MATERIAL SUBMITTAL PACKAGE (DIGITAL COPY INITIAL- UPON APPROVAL, PROVIDE APPROVED HARD COPIES : 2 COPIES TO CLIENT, 1 COPY TO CLIENT IF APPLICABLE)			
<input type="checkbox"/>	AFTER MASS GRADING THE CONTRACTOR SHALL OBTAIN A SOILS REPORT SUBMIT TO CLIENT REPRESENTATIVE.			
<input type="checkbox"/>	SITE LAYOUT OF ALL HARDSCAPE, WALLS, ETC FOR REVIEW AND APPROVAL PRIOR TO POURING ANY CONCRETE.			
<input type="checkbox"/>	ROUGH GRADING INSPECTION			
<input type="checkbox"/>	DEROCKING 12" DEEP, REMOVING ALL ROCKS, ROOTS, AND FOREIGN MATERIAL LARGER THAN 1"			
<input type="checkbox"/>	FINE GRADING INSPECTION AND 12" RIPPING			
<input type="checkbox"/>	SOIL AMENDMENTS AND TILL INTO TOP 6" - VERIFY AMENDMENT QUANTITIES AND SOIL AMENDMENTS WORKED INTO 6" PRIOR TO FINAL GRADING			
<input type="checkbox"/>	FERTILIZER/ AMENDMENT TAGS. CONTRACTOR IS TO SUBMIT TAGS OF FERTILIZER(S) AND AMENDMENTS TO OWNER'S REPRESENTATIVE FOR VERIFICATION ON QUANTITIES.			
<input type="checkbox"/>	APPLICATION OF PRE-EMERGENT HERBICIDE. PRODUCT APPLIED: _____ DATE OF APPLICATION: _____			
<input type="checkbox"/>	PLANT MATERIAL SURFACE TREATMENT (BARK, DECOMPOSED GRANITE, GRAVEL, ETC.) OBSERVATION.			
<input type="checkbox"/>	SITE DRAINAGE & TRENCH OBSERVATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION PRIOR TO BACK FILL.			
<input type="checkbox"/>	BIO-RETENTION AREA AND SELF-RETAINING AREA CONSTRUCTION. CONTRACTOR TO COMPLETE BIO-RETENTION FACILITY CONSTRUCTION CHECKLIST PRIOR TO OR CONCURRENTLY (WHEN APPLICABLE) WITH CONSTRUCTION. CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION AND APPROVAL.			
<input type="checkbox"/>	INSPECTION OF LAYOUTS AND FORMING OF HARDSCAPE			
<input type="checkbox"/>	INSPECTION OF LAYOUT AND FORMING OF ALL SLEEVES FROM ALL TRADES			
<input type="checkbox"/>	INSPECTION OF HARDSCAPE FINISH EXAMPLES			
<input type="checkbox"/>	BUILDING MATERIAL SUBMITTAL SAMPLE AND APPROVAL			
<input type="checkbox"/>	BUILDING FOOTING AND FRAMING INSPECTION			
<input type="checkbox"/>	FINAL BUILDING INSPECTION			
<input type="checkbox"/>	FINAL GRADE INSPECTION AND ACCEPTANCE			
<input type="checkbox"/>	ELECTRICAL POINT OF CONNECTION. CONTRACTOR TO COORDINATE WITH PROJECT OWNER, UTILITY LIAISON, AND UTILITY REPRESENTATIVE FOR INSTALLATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION TO VERIFY.			
<input type="checkbox"/>	SANITARY SEWER CLEANOUT, SERVICE LATERAL, AND POINT OF CONNECTION. CONTRACTOR TO COORDINATE WITH PROJECT OWNER, UTILITY LIAISON, AND UTILITY REPRESENTATIVE FOR INSTALLATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION TO VERIFY.			
<input type="checkbox"/>	CERTIFICATION OF BACKFLOW PREVENTER BY LOCAL WATER SERVICE. CONTRACTOR TO PROVIDE DOCUMENTATION TO OWNER'S REPRESENTATIVE.			
<input type="checkbox"/>	POTABLE WATER SERVICE, METER, AND POINT OF CONNECTION TO CITY MAINLINE. CONTRACTOR TO COORDINATE WITH PROJECT OWNER, UTILITY LIAISON, AND UTILITY REPRESENTATIVE FOR INSTALLATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION TO VERIFY.			
<input type="checkbox"/>	IRRIGATION WATER SERVICE, METER, AND POINT OF CONNECTION TO CITY MAINLINE. CONTRACTOR TO COORDINATE WITH PROJECT OWNER, UTILITY LIAISON, AND UTILITY REPRESENTATIVE FOR INSTALLATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION TO VERIFY.			
<input type="checkbox"/>	IRRIGATION MAINLINE PRESSURE TEST & TRENCH OBSERVATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION PRIOR TO BACK FILL.			
<input type="checkbox"/>	IRRIGATION OPERATION, COVERAGE TEST, LOCATION AND ELEVATION OF ALL MAINLINE TRACKING TAPE, IRRIGATION AUDIT (PRIOR TO PLANTING AND INSTALLATION OF MULCH OR SURFACE MATERIAL FOR DRIP SYSTEMS. FOR SPRAY SYSTEMS: AUDIT TO OCCUR PRIOR TO PLANTING.) FINAL APPROVAL OF IRRIGATION			
<input type="checkbox"/>	CERTIFICATION OF IRRIGATION CONTROLLER, GROUNDING TEST, CONTROLLER OPERATION AND LAMINATED USAGE MANUAL.			
<input type="checkbox"/>	IRRIGATION CONTROLLER COMMUNICATION POINT OF CONNECTION. CONTRACTOR RESPONSIBLE TO CONTACT COMMUNITY SERVICES DISTRICT TO OBTAIN A TELECOMMUNICATION CONNECTION AND FOR THE CONNECTION OF THE CONTROLLER TO THE INTERNET. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION. <input type="checkbox"/> WIRELESS <input type="checkbox"/> HARDWARE CABLE <input type="checkbox"/> HW. TELEPHONE <input type="checkbox"/> OTHER (SPECIFY): _____ <input type="checkbox"/> NONE			
<input type="checkbox"/>	IF APPLICABLE, CONTRACTOR TO VERIFY CONNECTION TO CENTRAL CONTROL SYSTEM (TO CITY COMPUTER) AND TO ARRANGE FOR CITY I.T. ASSISTANCE. CONTRACTOR IS TO DEMONSTRATE TO CLIENT'S REPRESENTATIVE THAT CONTROLLER IS CONNECTED TO THE CITY CENTRAL CONTROL SYSTEM.			
<input type="checkbox"/>	INITIAL ENTRY INTO MAINTENANCE PERIOD. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION.			
<input type="checkbox"/>	PUNCHLIST FOLLOWUP OBSERVATION FOR ENTRY INTO MAINTENANCE PERIOD. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR VERIFICATION OF PUNCHLIST ITEMS			
<input type="checkbox"/>	60 DAY MAINTENANCE PERIOD START DATE: _____ PROJECTED FINISH DATE: _____			
<input type="checkbox"/>	AS-BUILTS (HARD COPY AND DIGITAL) AND CONTROLLER CHART (LAMINATED). CONTRACTOR TO SUBMIT TO OWNER'S REPRESENTATIVE AND COORDINATE WITH LANDSCAPE ARCHITECT FOR AS-BUILT APPROVAL.			
<input type="checkbox"/>	CLOSEOUT SUBMITTALS PER SPECIFICATIONS.			
<input type="checkbox"/>	FINAL OBSERVATION. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION.			
<input type="checkbox"/>	CERTIFICATIONS OF COMPLETION. CONTRACTOR IS RESPONSIBLE TO SUBMIT COMPLETED CERTIFICATES OF COMPLETION FROM PROJECT APPLICANT AND LANDSCAPE ARCHITECT TO OWNER.			
<input type="checkbox"/>	NOTIFICATION OF MAINTENANCE PERIOD ENDING TO OWNER.			

NOTE:

- THIS LIST OF REQUIRED SUBMITTALS AND INSPECTIONS IS FOR REFERENCE PURPOSES ONLY. SEE BOOK FORM SPECIFICATIONS AND DETAILS FOR COMPLETE SUBMITTAL AND INSPECTION REQUIREMENTS.
- PLEASE PROVIDE A MINIMUM OF 2 WORKING DAYS NOTICE FOR ALL OBSERVATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL SUBMITTALS AND INSPECTIONS ARE COMPLETED AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION.

LANDSCAPE DOCUMENTATION PACKAGE (LDP) CHECKLIST (DESIGN)

CHECK BOX	DESCRIPTION
<input type="checkbox"/>	DATE: _____
<input type="checkbox"/>	PROJECT APPLICANT: (CONTRACTOR) _____
<input type="checkbox"/>	PROJECT ADDRESS: . MCKINLEYVILLE, CA 95519
<input type="checkbox"/>	PROJECT COUNTY APN: <u>508-242-043</u>
<input type="checkbox"/>	TOTAL LANDSCAPE AREA (IN SQUARE FEET): <u>123,746</u>
<input type="checkbox"/>	PROJECT TYPE: <u>PARK</u>
<input type="checkbox"/>	WATER SUPPLY TYPE AND NAME OF LOCAL WATER PURVEYOR: <u>MCKINLEYVILLE COMMUNITY SERVICES DISTRICT - 707-839-3251</u>
<input type="checkbox"/>	CHECKLIST OF ALL DOCUMENTS IN THE LDP
<input type="checkbox"/>	CONTACT INFORMATION FOR THE APPLICANT AND PROPERTY OWNER: <u>APPLICANT (CONTRACTOR):</u> _____ <u>PROPERTY OWNER:</u> _____ MCKINLEYVILLE COMMUNITY SERVICES DISTRICT 1656 SUTTER ROAD / PO BOX 2037 MCKINLEYVILLE, CA 95519
<input type="checkbox"/>	"I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE."
<input type="checkbox"/>	APPLICANT SIGNATURE (CONTRACTOR) _____
<input type="checkbox"/>	WATER EFFICIENT LANDSCAPE WORKSHEET INCLUDING: 1) HYDROZONE INFORMATION TABLE 2) WATER BUDGET CALCULATIONS INCLUDING: a. MAX APPLIED WATER ALLOWANCE (MAWA) INCLUDING WATER FEATURES b. ESTIMATED TOTAL WATER USE (ETWU)
<input type="checkbox"/>	SOILS MANAGEMENT REPORT: <u>TO BE PROVIDED BY CONTRACTOR</u>
<input type="checkbox"/>	CONSTRUCTION DESIGN PLAN: <u>SHEET L-2.0 - L-2.5</u>
<input type="checkbox"/>	LANDSCAPE DESIGN PLAN: <u>SHEET L-3.0 - L3.1</u>
<input type="checkbox"/>	IRRIGATION DESIGN PLAN: <u>SHEET L-4.0 - L4.4</u>
<input type="checkbox"/>	GRADING DESIGN PLAN: <u>C2.0 - C2.01</u>
<input type="checkbox"/>	ELECTRICAL PLAN: <u>E5.0</u>

SOIL REPORT NOTE

THE PROJECT LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR OBTAINING SOILS ANALYSIS OF SITE SOIL FROM AN ANALYTICAL LABORATORY AND AMENDING THE SOIL AS PER THE RECOMMENDATIONS FOR LANDSCAPES STATED IN RATES OF COMMONLY AVAILABLE AMENDMENTS (CUBIC YARDS OR WEIGHT PER 1,000 SF). RECOMMENDATIONS PENDING LABORATORY ANALYSIS.

FIRE NOTES:

- FIRE HYDRANTS AND ACCESS ROADS SHALL BE MAINTAINED SERVICEABLE PRIOR TO AND DURING ALL PHASES OF DEVELOPMENT.
- ACCESS SHALL BE MAINTAINED WITH A MINIMUM CLEAR DRIVE WIDTH OF AT LEAST 20 FEET. ADDITIONAL CLEAR WIDTHS MAY BE REQUIRED AND SHALL BE APPROVED BY THE FIRE MARSHAL (OR DESIGNEE).
- ENSURE THAT ALL GATES HAVE FIRE DEPARTMENT ACCESS APPROVED LOCKING DEVICES.



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PROJECT
BMX TRACK AND PARK PROJECT

SHEET TITLE
PROJECT CHECKLIST AND NOTES

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PLOT DATE: 12-28-2023

PROJECT NUMBERS
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: ...

SHEET NUMBER

L0.1

FILE NAME: G:\WDG\2500-2599\2537_Mckinleyville BMX and Park\2537 CAD (CD) SHEETS\2537-10-01-TITLE.dwg
PLOT DATE: March 19, 2024 - 3:14 PM

ABBREVIATIONS

<p>A</p> <p>AB -- AGGREGATE BASE ABON -- ABANDONED AC -- ASPHALT CONCRETE ACP -- ASBESTOS CEMENT PIPE ACI -- AMERICAN CONCRETE INSTITUTE AG -- AGGREGATE APPROX -- APPROXIMATELY ASTM -- AMERICAN SOCIETY FOR TESTING & MATERIALS @ -- AT</p> <p>B</p> <p>BC -- BEGIN CURVE BCR -- BEGIN CURB RETURN BF -- BLIND FLANGE BFV -- BUTTERFLY VALVE BLDG -- BUILDING BM -- BENCH MARK BOT -- BOTTOM BRG -- BEARING BRA -- BIO-RETENTION AREA BVC -- BEGINNING OF VERTICAL CURVE BW -- BOTTOM OF WALL</p> <p>C</p> <p>CATV -- CABLE TELEVISION CB -- CATCH BASIN CEIL -- CEILING CFM -- CUBIC FEET PER MINUTE CI -- CAST IRON CFL -- CONFORM LINE CIP -- CAST IRON PIPE C.I.P. -- CAST-IN-PLACE CJ -- CONSTRUCTION JOINT CLC -- CENTERLINE CLR -- CLEAR CMP -- CORRUGATED METAL PIPE CMU -- CONCRETE MASONRY UNIT CO -- CLEANOUT CONC -- CONCRETE CONT -- CONTINUOUS COORD -- COORDINATE CP -- SURVEY CONTROL POINT CPLG -- COUPLING CTR -- CENTER CU FT -- CUBIC FEET CV -- CHECK VALVE CW -- COLD WATER CY -- CUBIC YARD</p> <p>D</p> <p>° -- DEGREE (ANGLE) d -- PENNY (NAIL SIZE) DBL -- DOUBLE DI -- DRAINAGE INLET DIA -- DIAMETER DIAG -- DIAGONAL DIM -- DIMENSION DIP -- DUCTILE IRON PIPE DRWY -- DRIVEWAY DWG -- DRAWING</p> <p>E</p> <p><E> -- EXISTING EA -- EACH EC -- END CURVE ECR -- END CURB RETURN EF -- EACH FACE EG -- EXISTING GRADE EL -- ELEVATION ELEC -- ELECTRIC OR ELECTRICAL ENGR -- ENGINEER EQ -- EQUAL EQUIP -- EQUIPMENT EVC -- END OF VERTICAL CURVE ER -- EDGE OF ROAD EW -- EACH WAY EXC -- EXCAVATE EXP JT -- EXPANSION JOINT EXT -- EXTERIOR</p> <p>F</p> <p>FCA -- FLANGE COUPLING ADAPTER FC -- FACE OF CURB FF -- FINISHED FLOOR FG -- FINISHED GRADE FH -- FIRE HYDRANT FIN -- FINISH FL -- FLOW LINE FLG -- FLANGE FLR -- FLOOR FS -- FINISHED SURFACE FT -- FOOT FT² -- SQUARE FEET FT³ -- CUBIC FEET FTG -- FOOTING</p>	<p>G</p> <p>G -- GAS GALV -- GALVANIZED GIP -- GALVANIZED IRON PIPE GPM -- GALLONS PER MINUTE GRD -- GRADE GSP -- GALVANIZED STEEL PIPE GV -- GATE VALVE</p> <p>H</p> <p>HB -- HOSE BIBB HDR -- HEADER HP -- HORSEPOWER HORIZ -- HORIZONTAL HT -- HEIGHT HW -- HOT WATER</p> <p>I</p> <p>ID -- INSIDE DIAMETER IN -- INCH INT -- INTERIOR INV -- INVERT</p> <p>J</p> <p>JT -- JOINT JP -- JOINT POLE</p> <p>K</p> <p>KIP -- THOUSAND POUNDS KW -- KILOWATT</p> <p>L</p> <p>∠ -- ANGLE (DEGREES) LB -- POUND LF -- LINEAR FEET LG -- LONG LID -- LOW IMPACT DEVELOPMENT LT -- LEFT</p> <p>M</p> <p>MATL -- MATERIAL MAX -- MAXIMUM ME -- MATCH EXISTING MECH -- MECHANICAL MFR -- MANUFACTURER MH -- MANHOLE MIN -- MINIMUM MISC -- MISCELLANEOUS MJ -- MECHANICAL JOINT MTL -- METAL</p> <p>N</p> <p><N> -- NEW NC -- NORMALLY CLOSED N.I.C. -- NOT IN CONTRACT NO. -- NUMBER NO -- NORMALLY OPEN NPT -- NATIONAL PIPE THREAD NTS -- NOT TO SCALE # -- NUMBER</p> <p>O</p> <p>OC -- ON CENTER OD -- OUTSIDE DIAMETER OG -- ORIGINAL GROUND OHE -- OVERHEAD ELECTRIC OZ -- OUNCE OVHD -- OVERHEAD</p> <p>P</p> <p>PB -- PULL BOX PCC -- POINT OF COMPOUND CURVATURE PCF -- POUNDS PER CUBIC FOOT PE -- PLAIN END PERF -- PERFORATED PEP -- POLYETHYLENE PIPE PLR -- PROPERTY LINE PLYWD -- PLYWOOD POC -- POINT ON CURVE PP -- POWER POLE PRC -- POINT OF REVERSE CURVATURE PREFAB -- PREFABRICATED PSF -- POUNDS PER SQUARE FOOT PSI -- POUNDS PER SQUARE INCH PSIG -- POUNDS PER SQUARE INCH GAUGE PV -- PLUG VALVE PVC -- POLYVINYL CHLORIDE PLASTIC PVI -- POINT OF VERTICAL INTERSECTION PVMT -- PAVEMENT PVT -- PRIVATE</p> <p>Q</p> <p>QTY -- QUANTITY</p>	<p>R</p> <p>R -- RADIUS RC -- RELATIVE COMPACTION RCP -- REINFORCED CONCRETE PIPE RD -- ROAD RDCR -- REDUCER RDWD -- REDWOOD REQD -- REQUIRED RM -- ROOM RSP -- ROCK SLOPE PROTECTION RT -- RIGHT R/W -- RIGHT-OF-WAY</p> <p>S</p> <p>SL -- SLOPE SCHED -- SCHEDULE SD -- STORM DRAIN SDMH -- STORM DRAIN MAN HOLE SECT -- SECTION SHT -- SHEET SIM -- SIMILAR SPEC -- SPECIFICATIONS SQ -- SQUARE SQ FT -- SQUARE FOOT SQ IN -- SQUARE INCH SS -- SANITARY SEWER SSMH -- SEWER SYSTEM MAN HOLE STA -- STATION STD -- STANDARD STL -- STEEL SW -- SIDEWALK SYMM -- SYMMETRICAL</p> <p>T</p> <p>T -- TELEPHONE TAN -- TANGENT T&B -- TOP AND BOTTOM T&G -- TONGUE AND GROOVE TBM -- TEMPORARY BENCH MARK TC -- TOP OF CURB TELEM -- TELEMETRY TEMP -- TEMPERATURE OR TEMPORARY TG -- TOP OF GRATE THD -- THREAD TOC -- TOP OF CONCRETE TOF -- TOP OF FOOTING TOW -- TOP OF WALL TP -- TOP OF PAVEMENT OR TELEPHONE TYP -- TYPICAL</p> <p>U</p> <p>UBC -- UNIFORM BUILDING CODE UOS -- UNLESS OTHERWISE SPECIFIED UG -- UNDERGROUND UTIL -- UTILITY UP -- UTILITY POLE</p> <p>V</p> <p>V -- VOLT VC -- VERTICAL CURVE VCP -- VITRIFIED CLAY PIPE VERT -- VERTICAL VPI -- VERTICAL POINT OF INTERSECTION</p> <p>W</p> <p>WM -- WATER METER WSP -- WELDED STEEL PIPE WV -- WATER VALVE</p> <p>X</p> <p>XFMR -- TRANSFORMER</p> <p>Y</p> <p>YD₂ -- YARD YD₂ -- SQUARE YARD YD₃ -- CUBIC YARD</p>
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NOTES:

1. CONTACT THE ENGINEER FOR SYMBOLS NOT LISTED.
2. THIS IS A STANDARD SHEET, THEREFORE SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET WHICH DO NOT APPEAR ON THE PLANS.
3. SITE AND UTILITY SYMBOLS SHOWN ON THIS SHEET ARE NOT INTENDED TO REPRESENT THE PHYSICAL SCALE OR SHAPE OF ANY ITEMS. WHERE LARGE-SCALE PLANS ARE PRESENTED, THE SYMBOLS SHOWN HEREON MAY BE REPLACED BY DETAILS MORE SUITED TO THE DRAWING SCALE.

LEGEND:

	PROPERTY LINE
	ADJOINER PROPERTY LINE
	DAYLIGHT LINE
	EDGE OF ROAD
	CENTER LINE OF ROAD
	GRADE BREAK
	EXISTING CULVERT
	MAJOR PROPOSED CONTOUR
	MINOR PROPOSED CONTOUR
	MAJOR EXISTING CONTOUR
	MINOR EXISTING CONTOUR
	FENCE
	BUILDING LINE
	EXISTING STORM DRAIN PIPE W/ SIZE & TYPE
	CENTER LINE
	LID FEATURE
	12" STORM DRAIN INLET
	DETAIL LETTER
	SHEET NUMBER
	UTILITY POLE W/GUY WIRE
	FIRE HYDRANT
	SIGN
	GAS VALVE
	ELECTRICAL BOX/METER
	WATER VALVE
	HOSE BIB
	GRADE BREAK
	FLOW LINE
	OVERHEAD WIRE
	UNDERGROUND TELECOMMUNICATIONS LINE
	EXISTING UNDERGROUND ELECTRICAL LINE
	UNDERGROUND WATER LINE
	EXISTING SANITARY SEWER LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	EXISTING WATER LINE
	EDGE OF ASPHALT CONCRETE
	ENGINEERED WOOD FIBER
	DECOMPOSED GRANITE
	DEMOLISHED CONCRETE
	POURED IN PLACE RUBBER
	ASPHALT CONCRETE
	CONCRETE
	TREE DRIPLINE/EDGE OF VEGETATED AREA
	TREE W/ SIZE & TYPE
	SPOT ELEVATION
	PERCENT SLOPE
	PIPE FLOW DIRECTION ARROW

DATE	
NO.	REVISION



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BMX TRACK AND PARK DEVELOPMENT

MCKINLEYVILLE, CA

LEGEND & ABBREVIATIONS

PLAT NO.	
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	PAP
CHECKED	PAP DRAWN BC
SHEET	C0.10

Date: Feb 27, 2024 11:55am User: ID: hachter File: T:\CADfiles\9698.09\MSSD_BMX\Civil\DWG\9698.09-PLAN_LGND & ABBR.dwg

GENERAL NOTES

- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE COUNTY OF HUMBOLDT AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. ATTENTION IS ALSO DIRECTED TO THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD PLANS WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND REFERENCED BY STANDARD PLAN NUMBER.
- PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY REQUIREMENTS AND AS DIRECTED BY THE OWNERS REPRESENTATIVE. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL DO ALL FIELD STAKING AT THE EXPENSE OF THE CONTRACTOR.
- ALL DISCREPANCIES DISCOVERED BY THE CONTRACTOR IN THESE PLANS AND/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 OWNERS REPRESENTATIVE IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, 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; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL PER SECTION 10 OF THE STANDARD SPECIFICATIONS. FAILURE TO DO SO MAY RESULT IN THE ISSUANCE OF AN ORDER TO STOP WORK.
- CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY, AND EXISTING CONDITIONS THROUGHOUT THE LIMITS OF WORK, 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.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE LAYING OUT THE WORK AND NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE STARTING WORK. HE SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM CONTRACTORS FAILURE TO DO SO.
- ALL EXISTING UTILITIES SHALL BE MAINTAINED IN OPERATION AT ALL TIMES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SAFETY AND TRAFFIC CONTROL REQUIRED ON EXISTING STREETS DURING THE COURSE OF CONSTRUCTION. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- IF THERE IS A CONFLICT BETWEEN WRITTEN AND SCALED DIMENSIONS, NOTIFY THE OWNERS REPRESENTATIVE AND OBTAIN A CLARIFICATION. NO DEVIATIONS OR SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL FROM THE OWNERS REPRESENTATIVE.

GENERAL PAVING NOTES

- ALL ASPHALT CONCRETE SURFACES SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED EDGE SHALL BE SEALED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO PAVING.
- AFTER STRIPPING THE DEBRIS, ANY EXISTING LOOSE FILL, UNSUITABLE SOIL, SILTY SAND DEPOSITS, OR DISTURBED SOILS SHALL BE EXCAVATED AND PROPERLY DISPOSED OF TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- THE AGGREGATE BASE SHALL BE CLASS 2, 3/4" MAXIMUM GRADING. AGGREGATE BASE SHALL CONFORM TO THE PROVISIONS OF SECTION 26 OF THE STANDARD SPECIFICATIONS.
- THE SUBGRADE AND AGGREGATE BASE SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90% AND 95%, RESPECTIVELY.
- CONCRETE FOR SIDEWALKS SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS AND SHALL CONTAIN NOT LESS THAN SIX SACKS OF CEMENT PER CUBIC YARD. MAXIMUM SLUMP OF THE CONCRETE SHALL BE 4 INCHES, AS DETERMINED IN ACCORDANCE WITH ASTM C-143.

GENERAL UTILITY NOTES

- NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THE PLANS, MAY NOT BE ENCOUNTERED. UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE BASED UPON THE BEST INFORMATION AVAILABLE. CONTRACTOR SHALL UNCOVER BURIED UTILITIES TO VERIFY LOCATIONS AND ELEVATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF THE IMPROVEMENTS SHOWN ON THESE PLANS. CALL "UNDERGROUND SERVICE ALERT" AT 800-227-2600 TWO (2) DAYS MINIMUM TO FOURTEEN (14) DAYS MAXIMUM BEFORE ANY EXCAVATION IS STARTED.
- THE CONTRACTOR SHALL SECURE A PERMIT FROM THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH FOR THE CONSTRUCTION OF A TRENCH OR EXCAVATION WHICH IS FIVE FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.
- DISTANCE AND INVERT GRADES OF UTILITY LINES SHOWN ARE TO THE CENTER LINE OF INLETS, CATCH BASINS, AND MANHOLES. DISTANCES ARE HORIZONTAL.
- ALL BURIED IRON, STEEL, CAST IRON, GALVANIZED STEEL, AND DIELECTRIC COATED STEEL OR IRON SHALL BE PROTECTED AGAINST CORROSION WITH A POLYETHYLENE ENCASEMENT PER ANSI A21.5.

UTILITY NOTES

- STORM DRAIN**
- STORM DRAIN LINES SHALL BE PVC C900 OR APPROVED EQUAL.
 - PIPE BACKFILL MATERIAL, FILLED AND COMPACTED TO ONE FOOT OVER THE TOP OF PIPE SHALL CONFORM TO THE FOLLOWING SPECIFICATION:

PERCENT PASSING 3/4" SIEVE	100
PERCENT PASSING 3/8" SIEVE	80 - 100
PERCENT PASSING NO. 4 SIEVE	30 - 70
PERCENT PASSING NO. 16 SIEVE	5 - 40
PERCENT PASSING NO. 200 SIEVE	0 - 4

- TRENCH BACKFILL MATERIAL FROM ONE FOOT ABOVE TOP OF PIPE SHALL BE STRUCTURE BACKFILL MATERIAL AND SHALL BE CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
- STORM DRAIN INLETS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
- STORM DRAIN PIPE LENGTHS SHOWN ARE MEASURED HORIZONTALLY FROM CENTER OF STRUCTURES.
- STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION
- DRAINAGE STRUCTURES SHALL BE CENTRAL PRECAST CONCRETE INC. OR APPROVED EQUAL. ALL DRAINAGE STRUCTURE GRATES AND COVERS SHALL BE CAST IRON AND SIZED FOR THE STRUCTURE AS SHOWN ON THE PLANS. GRATES AND COVERS SHALL BE BOLT DOWN TYPE, WITH A MAXIMUM 1/2" OPENING AND BE TRAFFIC RATED.

EROSION & SEDIMENT CONTROL NOTES

GENERAL

- PERFORM EROSION PREVENTION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION 331-14 OF THE HUMBOLDT COUNTY CODE (HCC).
- THE APPROVED PLANS SHALL CONFORM WITH THE PERMIT AND RESOURCE MANAGEMENT DEPARTMENT'S (PRMD) EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) GUIDE AS POSTED ON THE PRMD WEBSITE.
- THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE YEAR ROUND. WORK SITES WITH INADEQUATE EROSION AND SEDIMENT CONTROL MAY BE SUBJECT TO A STOP WORK ORDER.
- IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.
- AT ALL TIMES THE OWNER IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE STATE OF CALIFORNIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY. CONSTRUCTION ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO CLEARING, GRADING, EXCAVATION, STOCKPILING, AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.

RAINY SEASON OPERATIONS

- THE CONTRACTOR MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EROSION PREVENTION AND SEDIMENT CONTROL ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 15 - APRIL 15). CONSTRUCTION GRADING AND DRAINAGE IMPROVEMENT SHALL BE PERMITTED DURING THE RAINY SEASON ONLY WHEN ON-SITE SOIL CONDITIONS PERMIT THE WORK TO BE PERFORMED IN COMPLIANCE WITH HCC SECTION 331-14. STORM WATER BMP'S REFERENCED OR DETAILED IN THE PERMIT AUTHORITY'S BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED AND FUNCTIONAL ON THE SITE AT ALL TIMES
- THE AREA OF ERODIBLE LAND EXPOSED AT ANY ONE TIME DURING THE WORK SHALL NOT EXCEED 1 ACRE OR 20% OF THE PERMITTED WORK AREA, WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.

YEAR ROUND REQUIREMENTS

- DURING THE NON-RAINY SEASON, ON ANY DAY WHEN THE NATIONAL WEATHER SERVICE FORECAST IS A CHANCE OF RAIN OF 30% OR GREATER WITHIN THE NEXT 24 HOURS, STORM WATER BMP'S REFERENCED OR DETAILED IN PRMD'S BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED, INSTALLED, AND FUNCTIONAL ON THE SITE TO PREVENT SOIL AND OTHER POLLUTANT DISCHARGES. AT ALL OTHER TIMES, BMP'S SHOULD BE STORED ON SITE IN PREPARATION FOR INSTALLATION PRIOR TO RAIN EVENTS.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- THE LIMITS OF GRADING SHALL BE DEFINED AND MARKED ON SITE TO PREVENT DAMAGE TO SURROUNDING VEGETATION. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE. ANY EXISTING VEGETATION WITHIN THE LIMITS OF GRADING THAT IS TO REMAIN UNDISTURBED BY THE WORK SHALL BE IDENTIFIED AND PROTECTED FROM DAMAGE BY MARKING, FENCING, OR OTHER MEASURES.
- CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS AND SHALL BE NOTED ON THE PLAN.
- DISCHARGES OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT, TRASH, NUTRIENTS, PATHOGENS, PETROLEUM HYDROCARBONS, METALS, CONCRETE, CEMENT, ASPHALT, LIME, PAINT, STAINS, GLUES, WOOD PRODUCTS, PESTICIDES, HERBICIDES, CHEMICALS, HAZARDOUS WASTE, SANITARY WASTE, VEHICLE OR EQUIPMENT WASH WATER, AND CHLORINATED WATER.
- ENTRANCE(S) TO THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE COUNTY RIGHT-OF-WAY, SUCH AS ROADWAYS AND SIDEWALKS, SHALL BE PROPERLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
- ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION MEASURES TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, STRAW MULCH, BLANKETS OR MATS. TEMPORARY OR PERMANENT REVEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL BUT IN ALL CASES PRIOR TO OCTOBER 15. PRIOR TO FINAL INSPECTION, ALL DISTURBED AREAS SHALL BE REVEGETATED OR LANDSCAPING SHALL BE INSTALLED.
- WHENEVER IT IS NOT POSSIBLE TO USE EROSION PREVENTION MEASURES ON EXPOSED SLOPES, SEDIMENT CONTROL DEVICES SUCH AS FIBER ROLLS AND SILT FENCES SHALL BE INSTALLED TO PREVENT SEDIMENT MIGRATION. FIBER ROLLS AND SILT FENCES SHALL BE TRENCHED AND KEYED INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY 2 TO 5 FEET FROM TOE OF SLOPE.
- HYDROSEEDING SHALL BE CONDUCTED IN A THREE STEP PROCESS. FIRST, EVENLY APPLY SEED MIX AND FERTILIZER TO THE EXPOSED SLOPE. SECOND, EVENLY APPLY MULCH OVER THE SEED AND FERTILIZER. THIRD, STABILIZE THE MULCH IN PLACE. AN EQUIVALENT SINGLE STEP PROCESS, WITH SEED, FERTILIZER, WATER, AND BONDED FIBERS IS ACCEPTABLE.

APPLICATIONS SHALL BE BROADCASTED MECHANICALLY OR MANUALLY AT THE RATES SPECIFIED BELOW. SEED MIX AND FERTILIZER SHALL BE WORKED INTO THE SOIL BY ROLLING OR TAMPING. IF STRAW IS USED AS MULCH, STRAW SHALL BE DERIVED FROM WHEAT, RICE, OR BARLEY AND BE APPROXIMATELY 6 TO 8 INCHES IN LENGTH. STABILIZATION OF MULCH SHALL BE DONE HYDRAULICALLY BY APPLYING AN EMULSION OR MECHANICALLY BY CRIMPING OR PUNCHING THE MULCH INTO THE SOIL. EQUIVALENT METHODS AND MATERIALS MAY BE USED ONLY IF THEY ADEQUATELY PROMOTE VEGETATION GROWTH AND PROTECT EXPOSED SLOPES.

MATERIALS	APPLICATION RATE (POUNDS PER ACRE)
SEED MIX	
LEYMUS TRITICOIDES (BEARDLESS RYEGRASS)	20
HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	20
FESTUCA RUBRA (RED FESCUE)	10
LUPINUS BICOLOR (BICOLOR LUPINE)	5
VULPIA MICROSTACHYS (NUTTALL'S FESCUE)	5
MULCH	
STRAW	4000
HYDRAULIC STABILIZING*	
M-BINDER OR SENTINEL	75-100
EQUIVALENT MATERIAL	PER MANUFACTURER

*NON-ASPHALTIC, DERIVED FROM PLANTS

EROSION & SEDIMENT CONTROL NOTES CONT.

- DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
- STORM DRAIN INLETS SHALL BE PROTECTED FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION HAS BEEN COMPLETED.
- ENERGY DISSIPATERS SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY EROSIIVE STORM WATER FLOW.
- SOIL AND MATERIAL STOCKPILES SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
- SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS, SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE CLEARED OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
- A CONCRETE WASHOUT AREA, SUCH AS A TEMPORARY PIT, SHALL BE DESIGNATED TO CLEAN CONCRETE TRUCKS AND TOOLS. AT NO TIME SHALL CONCRETE PRODUCTS AND WASTE BE ALLOWED TO ENTER COUNTY WATERWAYS SUCH AS CREEKS OR STORM DRAINS. NO WASHOUT OF CONCRETE, MORTAR MIXERS, OR TRUCKS SHALL BE ALLOWED ON SOIL.
- PROPER APPLICATION, CLEANING, AND STORAGE OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS PAINTS AND CHEMICALS, SHALL BE CONDUCTED TO PREVENT THE DISCHARGE OF POLLUTANTS.
- TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED DURING CONSTRUCTION ACTIVITIES TO PREVENT THE DISCHARGE OF POLLUTANTS.
- APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.

GENERAL GRADING & DRAINAGE NOTES

- PERFORM GRADING IN ACCORDANCE WITH HUMBOLDT COUNTY CODE, SECTION 331-14, APPLICABLE HUMBOLDT COUNTY REGULATIONS AND TO THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT, PREPARED BY LACO & ASSOCIATES TITLED 'GEOLOGIC EXPLORATION SOILS EVALUATION AND RECOMMENDATIONS' SCHOOL ROAD MCKINLEYVILLE, CA ASSESSOR'S PARCEL NUMBER 508-247-043', DATED JUNE 26, 2023 LACO JOB NO. 9698.09.
- ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED WITHOUT THE WRITTEN APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE. PROPOSED MODIFICATIONS TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE OWNER OR OWNER'S REPRESENTATIVE IN WRITING, TOGETHER WITH ALL NECESSARY TECHNICAL INFORMATION AND DESIGN DETAILS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF RECORD, IF APPLICABLE, UPON DISCOVERING DISCREPANCIES, ERRORS, OR OMISSIONS IN THE APPROVED PLANS. PRIOR TO PROCEEDING, THE OWNER SHALL HAVE THE APPROVED PLANS REVISED TO CLARIFY IDENTIFIED DISCREPANCIES, ERRORS, OR OMISSIONS. THE OWNER MAY REQUIRE UNAUTHORIZED WORK TO BE REDONE OR REMOVED TO VERIFY COMPLIANCE WITH HCC. HUMBOLDT COUNTY PLANNING AND BUILDING DEPARTMENT (HUMBOLDT P&B) MAY INITIATE ENFORCEMENT ACTION AND SEEK THE IMPOSITION OF CIVIL PENALTIES FOR VIOLATIONS OF HCC.
- THE GRADING OR DRAINAGE PERMIT AND A COPY OF THE APPROVED PLANS SHALL BE MAINTAINED ON THE PROJECT SITE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
- THE OWNER MAY ORDER THAT ANY WORK STOP IMMEDIATELY IF IT IS PERFORMED CONTRARY TO SECTION 331-14 OF THE HCC, THE APPROVED PLANS AND SPECIFICATIONS, PERMIT CONDITIONS, OR ANY WORK THAT HAS BECOME HAZARDOUS TO PROPERTY OR THE PUBLIC. A GRADING OR DRAINAGE PERMIT MAY BE SUSPENDED, REVOKED, OR MODIFIED BY THE OWNER OR HUMBOLDT P&B.
- EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THE PROJECT SITE AND LOCATED THROUGHOUT THE PROJECT SITE SHALL REMAIN OPEN AND CLEAR OF DEBRIS TO PROPERLY CONVEY STORM WATER. IF EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THE PROJECT SITE ARE LOCATED IN THE COUNTY RIGHT-OF-WAY AND NEED MAINTENANCE, CONTACT THE COUNTY DEPARTMENT OF PUBLIC WORKS AT (707) 445-7421 FOR FURTHER ASSISTANCE. IN ANY EVENT, THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
- THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT (USA), AT 811, AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN 14 CALENDAR DAYS, PRIOR TO EXCAVATION. THE CONTRACTOR SHALL UNCOVER RELEVANT UTILITIES TO VERIFY THEIR LOCATION AND ELEVATION. IF UNEXPECTED OR CONFLICTING UTILITIES ARE ENCOUNTERED DURING EXCAVATION, NOTIFY USA, THE UTILITY OWNER, AND/OR THE ENGINEER OF RECORD, IF APPLICABLE, IMMEDIATELY. UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, SEWER, ELECTRICAL, GAS, TELEPHONE, AND CABLE/TV. THE EXCAVATOR SHALL DELINEATE WITH PAINT OR OTHER SUITABLE MARKINGS THE AREA TO BE EXCAVATED.
- IN THE EVENT CULTURAL RESOURCES (SUCH AS HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL IMMEDIATELY BE HALTED WITHIN THE VICINITY OF THE FIND. THE OWNER SHALL BE NOTIFIED AT (707) 839-3251. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE OWNER PER THE ARCHEOLOGIST'S RECOMMENDATIONS. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER.
- SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WHAT APPEAR TO BE HAZARDOUS MATERIALS, STOP WORK IMMEDIATELY IN THE CONTAMINATED AREA AND CONTACT 911 AND THE OWNER.
- RETAINING WALLS, UNLESS EXEMPTED PER HCC, ARE NOT APPROVED UNDER A GRADING PERMIT. A SEPARATE BUILDING PERMIT IS REQUIRED.
- EXCESS SOIL SHALL BE REMOVED FROM THE PROJECT SITE UNLESS DEPICTED TO REMAIN ON SITE PER THE APPROVED PLAN. THE SITE RECEIVING SOIL MAY REQUIRE A GRADING PERMIT UNLESS EXEMPTED BY HCC.
- CONTOURS, ELEVATIONS, AND SHAPES OF FINISHED SURFACES SHALL BE BLENDED WITH ADJACENT NATURAL TERRAIN TO ACHIEVE A CONSISTENT GRADE AND NATURAL APPEARANCE. BORDERS OF CUT SLOPES AND FILLS SHALL BE ROUNDED OFF TO A MINIMUM RADIUS OF FIVE FEET TO BLEND WITH THE NATURAL TERRAIN.
- FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DELETERIOUS MATERIALS. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN SIX INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS EXCEPT WHERE APPROVED BY THE SOILS ENGINEER. FILLS SHALL BE CONSTRUCTED IN LIFTS NOT EXCEEDING EIGHT INCHES IN DEPTH. COMPLETED FILLS SHALL BE STABLE, WELL-INTEGRATED, AND BONDED TO ADJACENT MATERIALS AND THE MATERIALS ON WHICH THEY REST. FILLS SHALL BE COMPETENT TO SUPPORT ANTICIPATED LOADS AND BE STABLE AT THE DESIGN SLOPES SHOWN ON THE APPROVED PLANS AND SPECIFICATIONS OR AS DIRECTED BY THE SOILS ENGINEER.
- GROUND SURFACES SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL, AND OTHER UNSUITABLE MATERIALS, AND SCARIFYING THE GROUND TO PROVIDE A BOND WITH THE FILL MATERIAL.
- FILL SHALL NOT BE PLACED ON NATURAL SLOPES STEEPER THAN 2H:1V (50 PERCENT).
- FILLS INTENDED TO SUPPORT STRUCTURES OR SURCHARGES SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D 1557, MODIFIED PROCTOR. A HIGHER COMPACTION PERCENTAGE MAY BE REQUIRED BY THE SOILS ENGINEER.
- FILLS NOT INTENDED TO SUPPORT STRUCTURES OR SURCHARGES SHALL BE COMPACTED AS FOLLOWS:
 - FILL GREATER THAN THREE FEET IN DEPTH SHALL BE COMPACTED TO THE DENSITY SPECIFIED BY THE SOILS ENGINEER.
 - FILLS NO GREATER THAN THREE FEET IN DEPTH SHALL BE COMPACTED TO THE DENSITY NECESSARY FOR THE INTENDED USE OR AS DIRECTED BY THE SOILS ENGINEER.

EARTHWORK NOTES

TOTAL CUT = 3,575 CY
 TOTAL FILL = 3,768 CY
 NET EXPORT = 193 CY
 TOTAL DISTURBED AREA = 2.8 AC

ALL QUANTITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THE ACTUAL AMOUNT OF EARTHWORK CUT AND/OR FILL WILL VARY DEPENDING ON COMPACTION, CONSOLIDATION, AND STRIPING REQUIREMENTS. DUE TO THE INEXACT NATURE OF EARTHWORK QUANTITY METHODS, THERE IS NO GUARANTEE THESE QUANTITIES ARE EXACT. CONTRACTORS SHALL DO THEIR OWN EARTHWORK ESTIMATES FOR BIDDING AND CONTRACT PURPOSES.

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REVISION	



BMX TRACK AND PARK DEVELOPMENT
 MCKINLEYVILLE, CA
GENERAL CONSTRUCTION NOTES

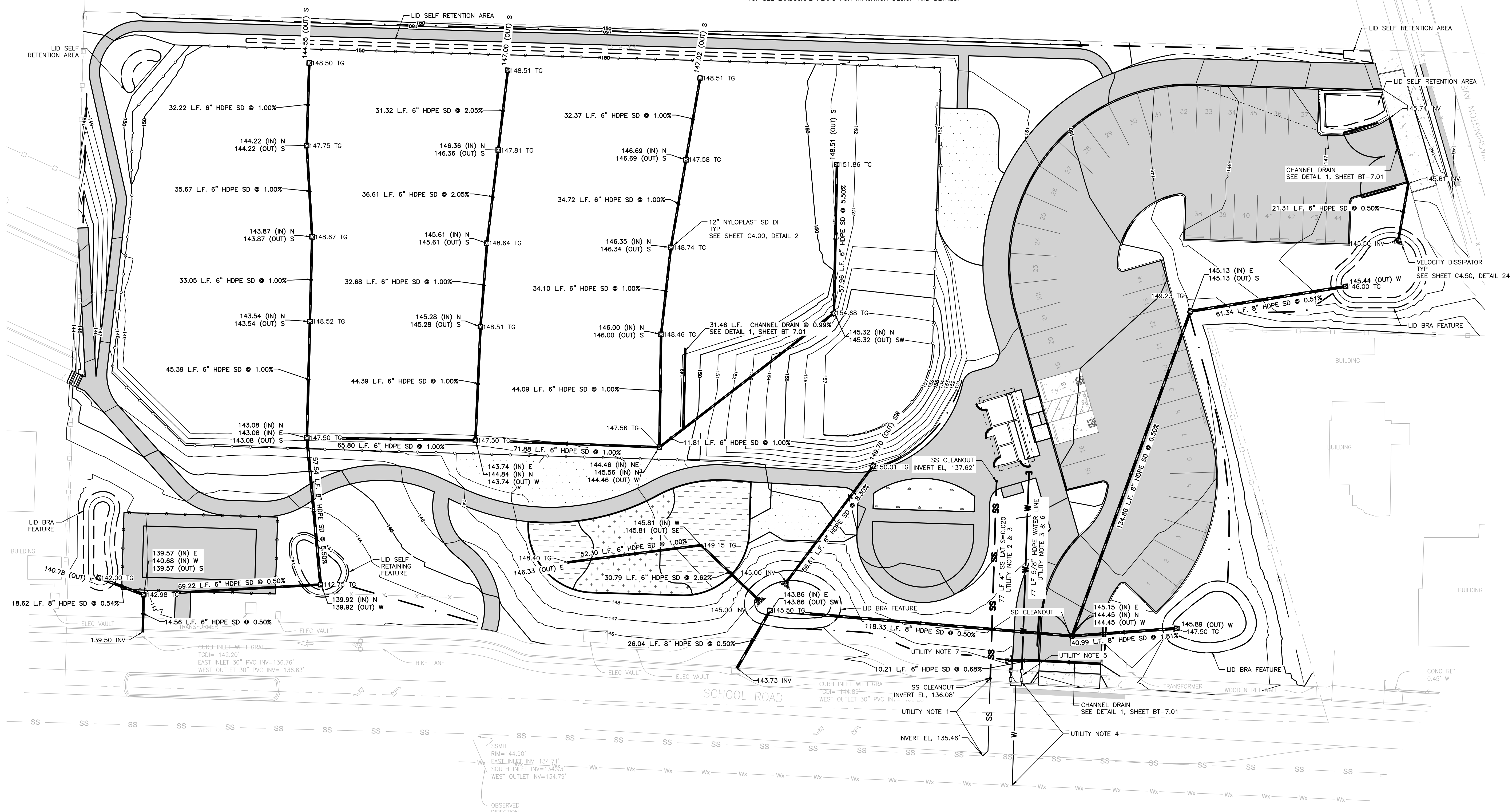
PLAT NO.	
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	PAP
CHECKED	PAP DRAWN BC
SHEET	C0.20

UTILITY NOTES

- HUMBOLDT COMMUNITY SERVICES DISTRICT (HCSD) FORCES TO PURCHASE AND INSTALL NEW 4" SEWER SERVICE LATERAL ON MAIN, 4" LATERAL AND CLEANOUT TO BACK OF CURB PER HCSD STANDARDS SS-208 & 209. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SUPPORT (EXCAVATION, SHORING, BEDDING, BACKFILLING, PAVING, STRIPING, AND ANY OTHER NECESSARY CONSTRUCTION ZONE SUPPORT) FOR CONSTRUCTION OF NEW SEWER LATERAL EXCEPT FOR CUTTING IN WYE, AND LAYING PIPE.
- CONTRACTOR RESPONSIBLE FOR PROVIDING 4" SDR-35 FROM BACK OF SEWER CLEANOUT TO 5' OUTSIDE OF BUILDING. CLEANOUT AT BUILDING SHALL MEET HCSD STANDARD SS-209. COORDINATE WITH PLUMBER FOR ACTUAL TIE IN POINT OUTSIDE BUILDING.
- SEWER AND WATER LATERAL TRENCHING SHALL BE PER HCSD STANDARDS SS-200A & B.
- HCSD FORCES TO PURCHASE AND INSTALL NEW 1" DOUBLE WATER SERVICE TO 5/8" METER BOXES AT BACK OF CURB PER HCSD STANDARD WS-104. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SUPPORT (EXCAVATION, SHORING, BEDDING, BACKFILLING, PAVING, STRIPING, AND ANY OTHER NECESSARY CONSTRUCTION ZONE SUPPORT) FOR CONSTRUCTION OF NEW WATER LATERAL EXCEPT PLACING SADDLE, TAPPING MAIN, AND LAYING PIPE.
- HCSD FORCES TO PURCHASE AND INSTALL NEW 5/8" DOUBLE CHECK VALVES (DOMESTIC AND IRRIGATION) TYPE BACKFLOW PREVENTER PER HCSD STANDARD WS-109. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SUPPORT (EXCAVATION, SHORING, BEDDING, BACKFILLING, PAVING, SIDEWALK REPAIR, STRIPING, AND ANY OTHER NECESSARY CONSTRUCTION ZONE SUPPORT) FOR CONSTRUCTION OF NEW DDCV.
- CONTRACTOR RESPONSIBLE FOR PROVIDING 5/8" PVC PIPING CONFORMING TO HCSD, AWWA, AND UPC STANDARDS TO WITHIN 5' OF BUILDING. COORDINATE WITH PLUMBER FOR ACTUAL TIE IN POINT OUTSIDE BUILDING.
- 5/8" IRRIGATION SERVICE. CONTRACTOR SHALL STUB 5/8" SERVICE 5' BEYOND DDCV AND PLACE BLUE STAKE AT END POINT.
- NO EXISTING OR PROPOSED GAS SERVICE ON SITE.
- CONTRACTOR SHALL CONFIRM EXISTING COMMUNICATION LINE UTILITY LOCATIONS.
- SEE LANDSCAPE PLANS FOR IRRIGATION DESIGN AND DETAILS.



0' 10' 20' 40' 60'
SCALE: 1" = 20'



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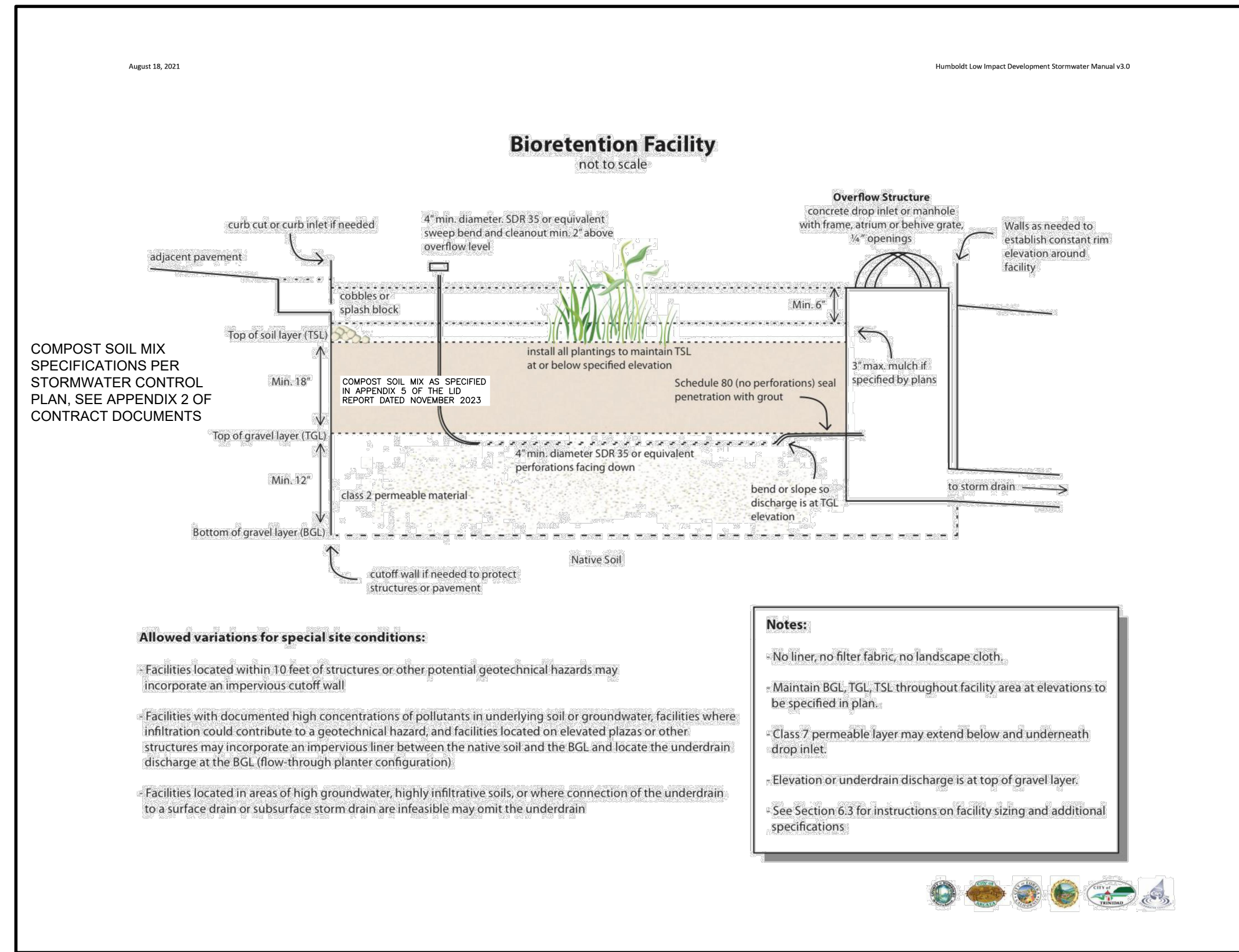


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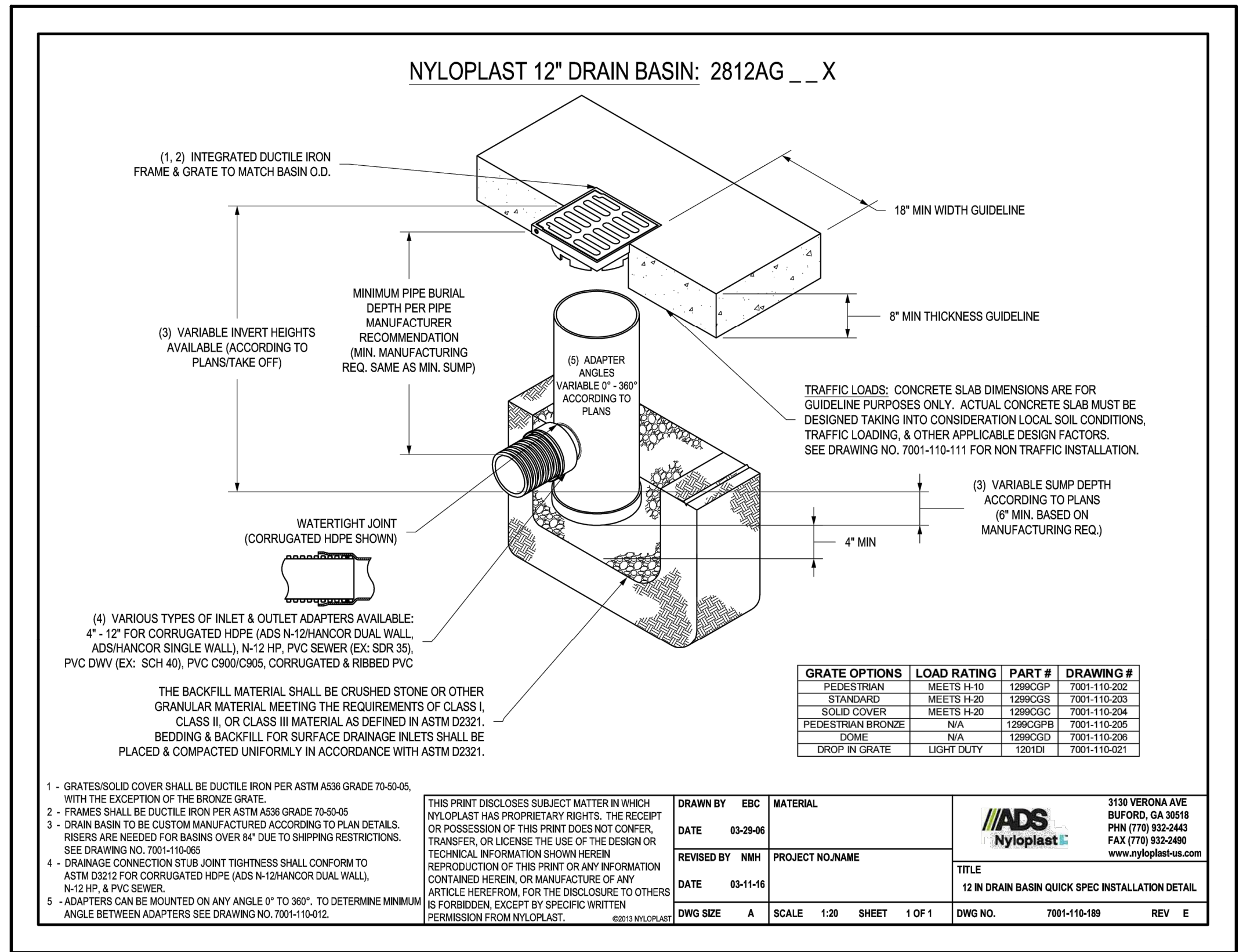
BMX TRACK AND PARK DEVELOPMENT
MCKINLEYVILLE, CA
UTILITY PLAN

PLAT NO.	----
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	PAP
CHECKED	PAP DRAWN BC
SHEET	C3.00

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1 BIO-RETENTION FACILITY
NOT TO SCALE



2 NYLOPLAST 12" DRAIN BASIN
NOT TO SCALE

McKinleyville Community Services District
1656 Sutter Road (839-3251)
Standard Building Sewer Installation Specifications

Building Sewers, Lateral Sewers, and Connection – Acceptable Materials

In order to maintain good standards and provide sewage treatment at the lowest cost to our customers, it is necessary to adopt the following requirements regulating hook-ups from buildings to the main sewer line.

- A permit must be secured from MCSD's office before starting any installation
- Notify the District 24 hours before the time you need an inspection.
- If you wish to use any part of existing lines for hook-up (other than lines under a building), they must be inspected and approved before proceeding with the new work.
- Inspections will be performed by District personnel.

All building sewer lines shall be water tested for leakage before backfill has begun. The maximum allowed leakage rate for laterals shall be 250 gallons per diameter pipe inch per mile per day, or in other terms, 3/4 gallons per hour for each 100 feet of 4" pipe. All leaking joints or weeping pipe sections shall be corrected or replaced.

The District hereby adopts the Uniform Plumbing Code (latest edition) as a guide and supplement to this regulation. Any item not covered herein shall be referred to the code for a determination.

The building sewers beginning 2 feet from any building or structure shall be of such materials as may be approved by specifications but shall be limited to the following types of pipe and joints:

- Acrylonitrile Butadiene Styrene (ABS) Schedule 40 DWV pipe with cellular core meeting ASTM f628-85 Standard.
- ABS-DWV schedule 40 (plastic pipe WPCA approved) **Note:** ABS approved for residential services only.
- PVC-SDR=35 in accordance with ASTM specifications D303473 and must be joined with bell and spigot joints only.
- Cast Iron **Note:** Cast Iron must be joined together with caulking or flexible compression factory fabricated joints.

ABS, or PVC pipe must have a minimum of 12" cover (including cleanouts). Cast Iron pipe must be used for that portion of the hook-up, which is not 12" deep.

Changing from one type of pipe to another the proper adapters must be used.

- Duplex adapter
- Calder coupling
- Note: Limited to two per installation unless otherwise approved.

3 STANDARD BUILDING SEWER INSTALLATION SPECIFICATIONS

SIZE OF BUILDING SEWERS

The minimum size of any building sewer shall be determined on the basis, of the total number of fixture units drained by such sewer. Three inch (3") may be used for a single-family residence only.

GRADE, SUPPORT PROTECTION OF BUILDING SEWERS

- Building sewers shall be run in a practical alignment and at a uniform slope of not less than one-eighth inch (1/8") per foot toward the point of connection, unless otherwise approved by the District.
- Building sewer piping shall be laid on a firm bed throughout its entire length. Piping laid in a fill area shall be laid on a bed of approved material and shall be adequately supported to the satisfaction of the District.
- No building sewer or other drainage piping or part thereof, which is constructed of materials other than those approved for the use under or within a building shall be installed under or within two (2) feet of any building or structure or part thereof nor less than one (1) foot below the surface of the ground. This provision includes structures such as purchases and steps, whether covered or uncovered, breezeways, carports, covered driveways, and similar structures or appurtenances.

CLEANOUTS

- Cleanouts shall be placed in every building sewer at junction with soil pipe at the building and at intervals not to exceed one hundred (100) feet in a straight line.
- Every change in alignment or grade of 45° degrees or more shall be served by a cleanout.
- The extension of building sewer cleanouts to grade is optional. **The exception is when a cleanout is under a structure such as a driveway or walkway.** If extended it must be protected with a concrete cover with a steel lid marked sewer.
- Each cleanout shall be installed so it opens in a direction opposite to the flow of the soil waste or at angles thereto, and except in the case of "wye" branch and end-of-line cleanouts, vertically above the flow of the pipe.

SEWER AND WATER PIPES

NON-metallic building sewer or drainage piping shall not be run or laid in the same trench with water service pipes or any underground water pipes unless both of the following requirements are met:

- The bottom of the of the water piping at all points shall be at least twelve inches (12") above the top of the sewer piping.
- The water piping shall rest on a solid shelf at one side of the common trench.

4 SPECIFICATIONS OF SEWER SIZE, GRADE, AND CLEANOUTS

DATE

NO. REVISION

REGISTERED PROFESSIONAL ENGINEER
PAUL ALLEN PROFFER
NO. CS58602
CIVIL
STATE OF CALIFORNIA

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BMX TRACK AND PARK DEVELOPMENT
MCKINLEYVILLE, CA
DETAILS

PLAT NO. _____
JOB NO. 9698.09
DATE FEBRUARY 2024
DESIGNER TA
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SHEET C4.00

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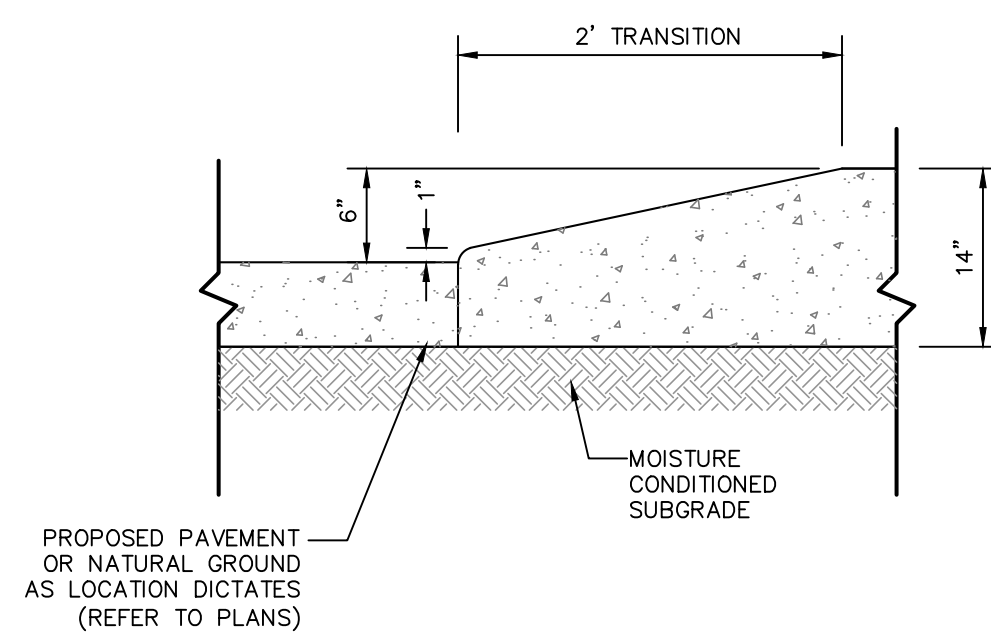
DRAINAGE BELOW CURB AND ALSO BELOW MAIN SEWER LEVEL

Requirements for building sewers that require pumping or back flow protection:

- A. Drainage piping serving fixtures that are located below the elevation of the curb or property line, at the point where the building sewer crosses under the curb or property lines, and above the crown level of main sewer shall drain by gravity into the main sewer shall be protected from back flow of sewage by installing an approved type back water valve, and each such back water valve shall be installed only in that branch or section of the drainage system which receives the discharge from fixtures located below the elevation of the curb or property line.
- B. Drainage piping serving fixtures that are located below the crown level of the main sewer, shall discharge into an approved watertight sump or receiving tank, so located as to receive the sewage waste by gravity. From such sump or receiving tank, the sewage shall be lifted and discharged into the building sewer drain by approved ejectors, pumps, or equally approved mechanical device.
- C. The minimum size of any pump or any discharge pipe from a sump having a water closet connection thereto shall be not less than two inches (2").
- D. The discharge line from such ejector or pump shall be provided with an accessible backwater valve and ball valve, and if the gravity drainage line to which such discharge line connects is horizontal, the method of connection shall be from the top through a "wye" branch fitting.
- E. Building sewers receiving discharge from any pump or ejector shall be adequately sized to prevent over-loading of the receiving tank. Two (2) fixture units will be allowed for each gallon per minute of continuous flow. For all single-family residence, a minimum of (20 gpm) twenty gallons per minute is required.
- F. Back-water valves, ball valves, motors and pumps, compressors air tanks or other mechanical devices receivers or holding tanks required by this section shall be located where they will be readily and easily accessible for inspection, maintenance and repair at all times. If an enclosure is used it must be either a watertight pit or other enclosure fitted with an adequately sized removal opening or cover.
- G. The drainage and venting systems in connection with fixtures, sumps, receiving tanks and mechanical waste lifting devices, shall be installed under the same requirements as provided for gravity sewer systems.
- H. Sumps and receiving tanks shall be pre manufactured and approved for the use in sewage disposal. All tanks receivers shall be pre approved by the District.
- I. All such sumps and receiving tanks shall be automatically discharged and when in any "public use" occupancy shall be provided with, dual pumps or ejectors arranged to function independently in case of overload or mechanical failure.
- J. Reference is also made to the Uniform Plumbing Code (latest edition) for added requirements for buildings and building sewers below grade.

3

5 SPECIFICATIONS FOR BELOW CURB / BELOW MAIN SEWER LEVEL



28 CURB TRANSITION

NOT-TO-SCALE

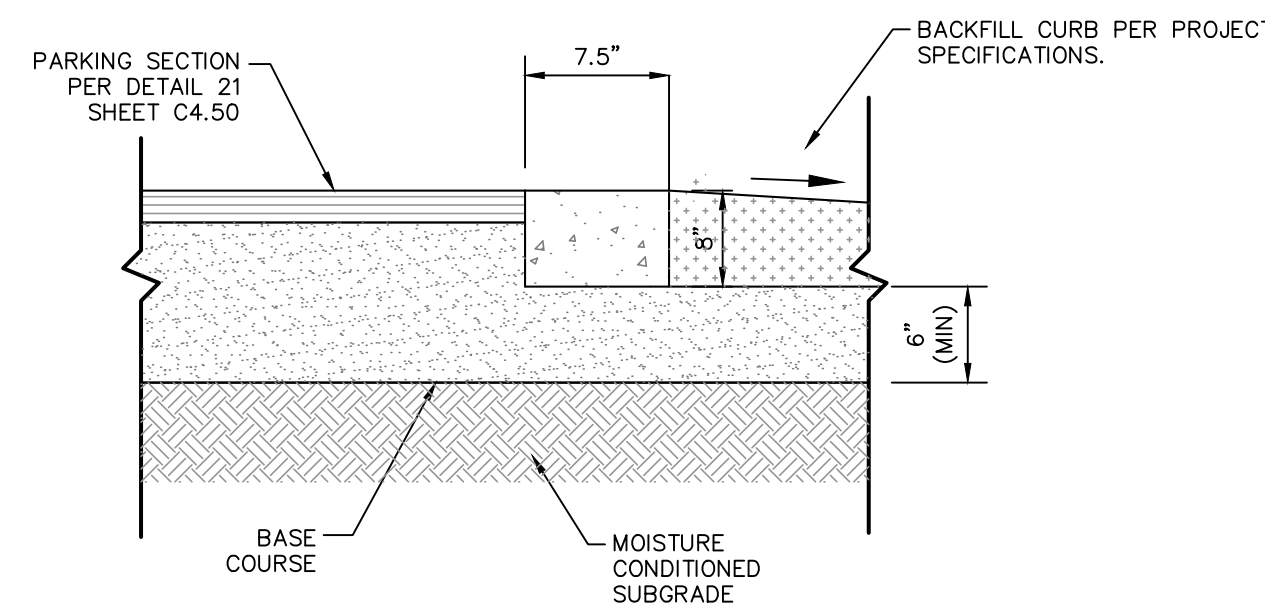
McKinleyville Community Services District
Specifications for District Sewer Mains

1. All work performed must be in accordance with the District Standard Specifications for public sewer construction.
2. The developer or his agent may not perform work on the existing public sewer without the District inspector present at the site.
3. All underground utilities crossing the public sewer must have a minimum of twelve inches (12") clearance and a flex-joint over or under the sewer pipe.
4. No excavation or grading will be performed within three feet (3') of public sewer vertically or ten feet (10') horizontally.
5. Plantings need to be scheduled so that no trees or their root systems develop within five feet (5') of either side of the public sewer.

Any item not covered by this Specification shall be referred to the "Uniform Plumbing Code" (current edition). Please contact the McKinleyville Services District Field office regarding any difficulty you have in planning or installing your sewer line or building sewer. The service could greatly simplify the installation of a sewer service.

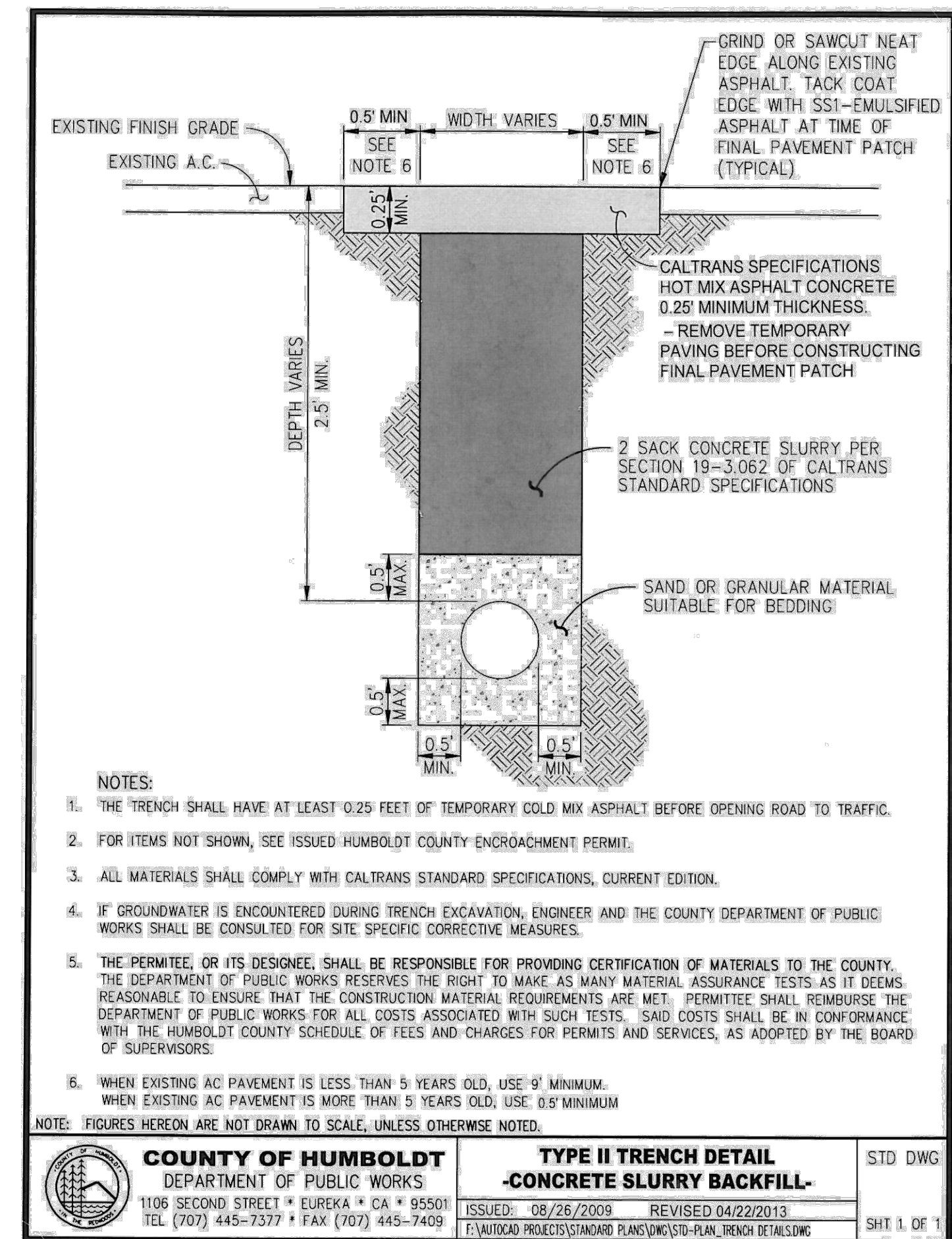
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6 SPECIFICATIONS FOR DISTRICT SEWER MAINS



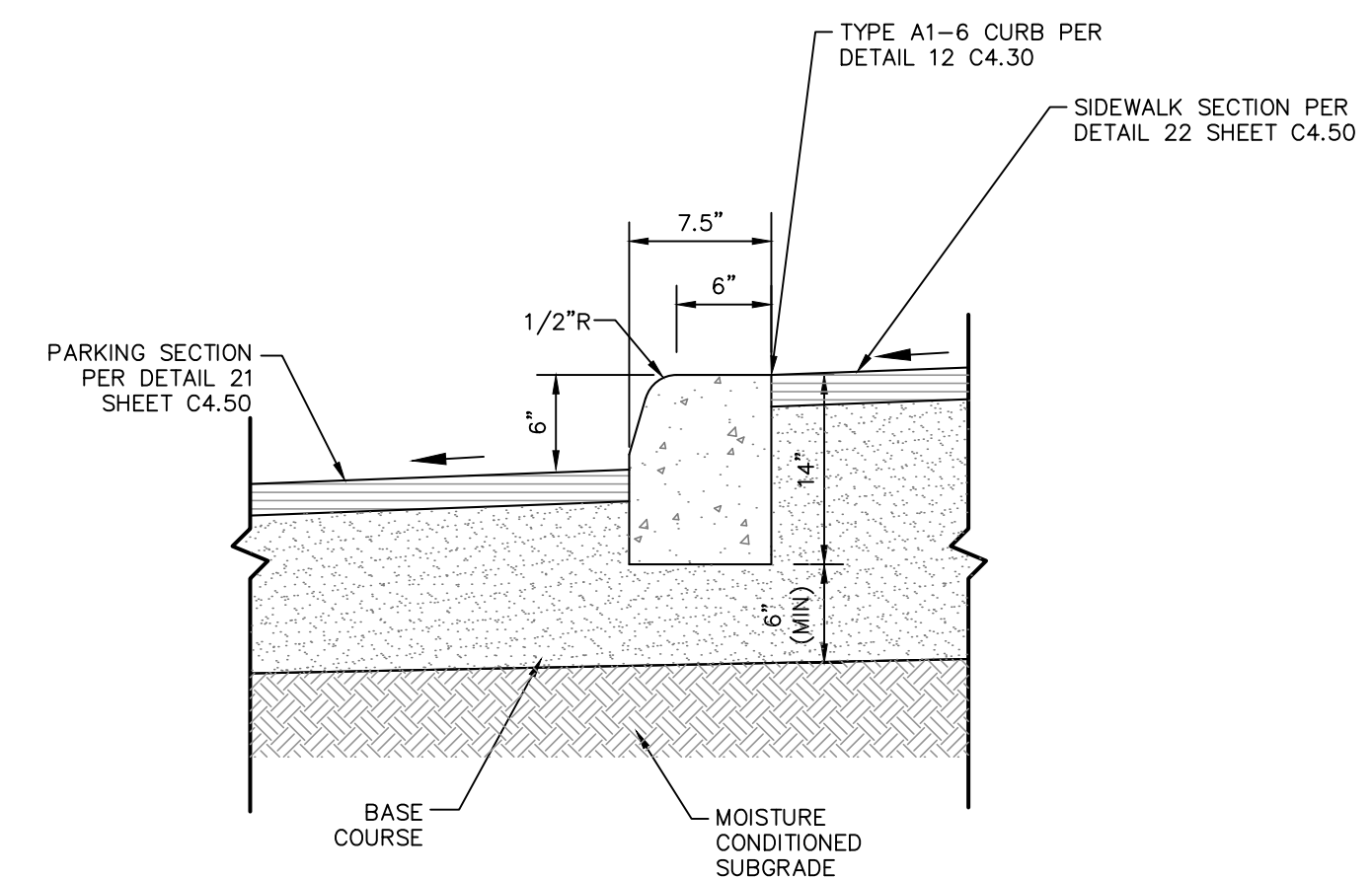
29 FLUSH CURB

NOT-TO-SCALE



7 TYPE II TRENCH DETAIL

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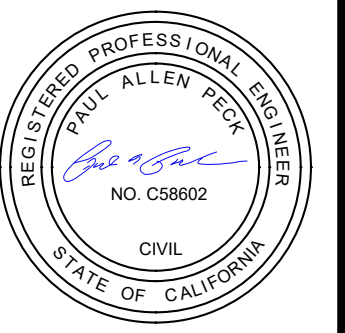


30 FALL AWAY CURB

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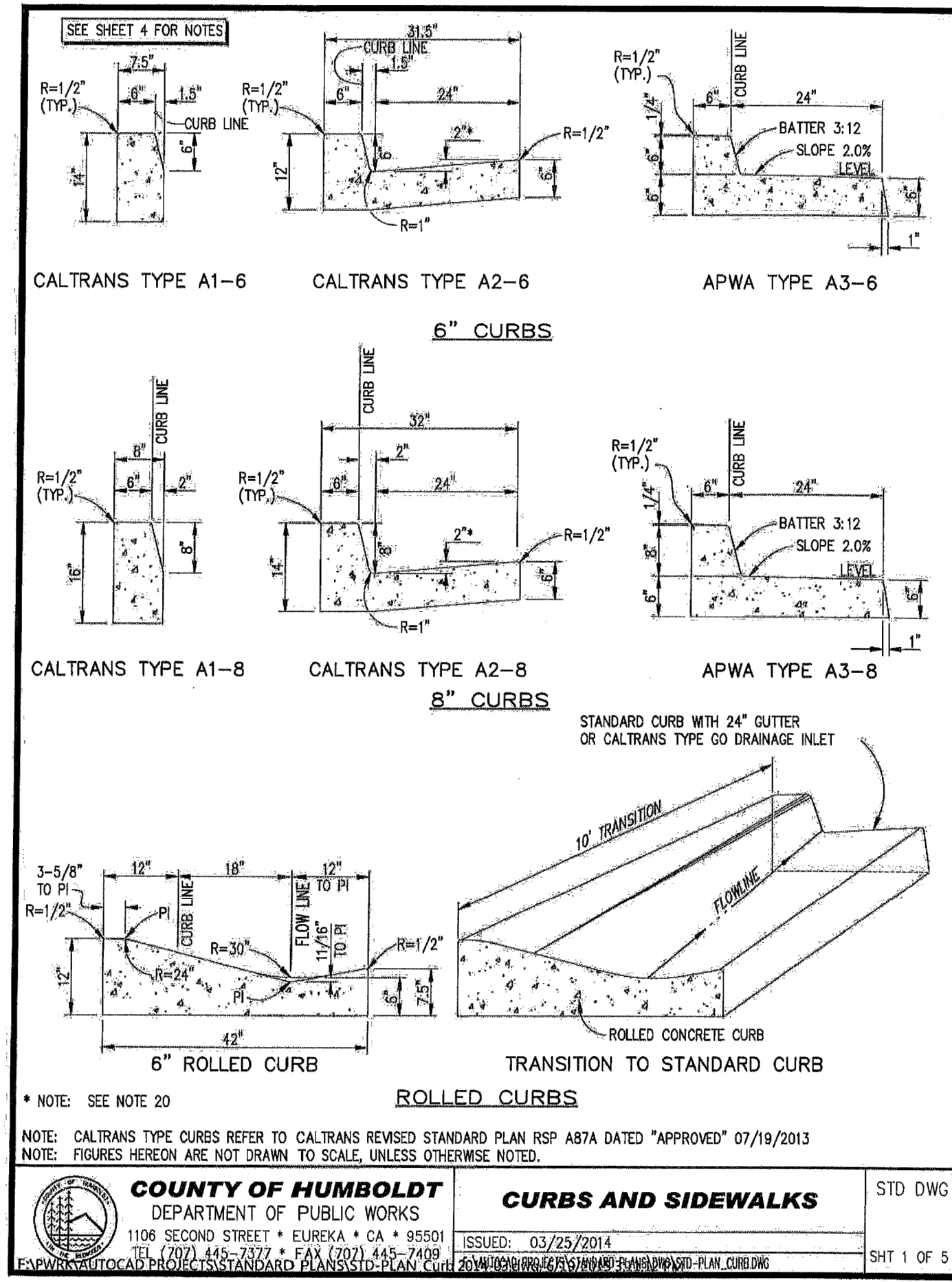
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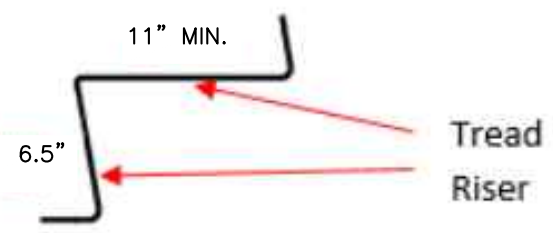
BMX TRACK AND PARK DEVELOPMENT
MCKINLEYVILLE, CA
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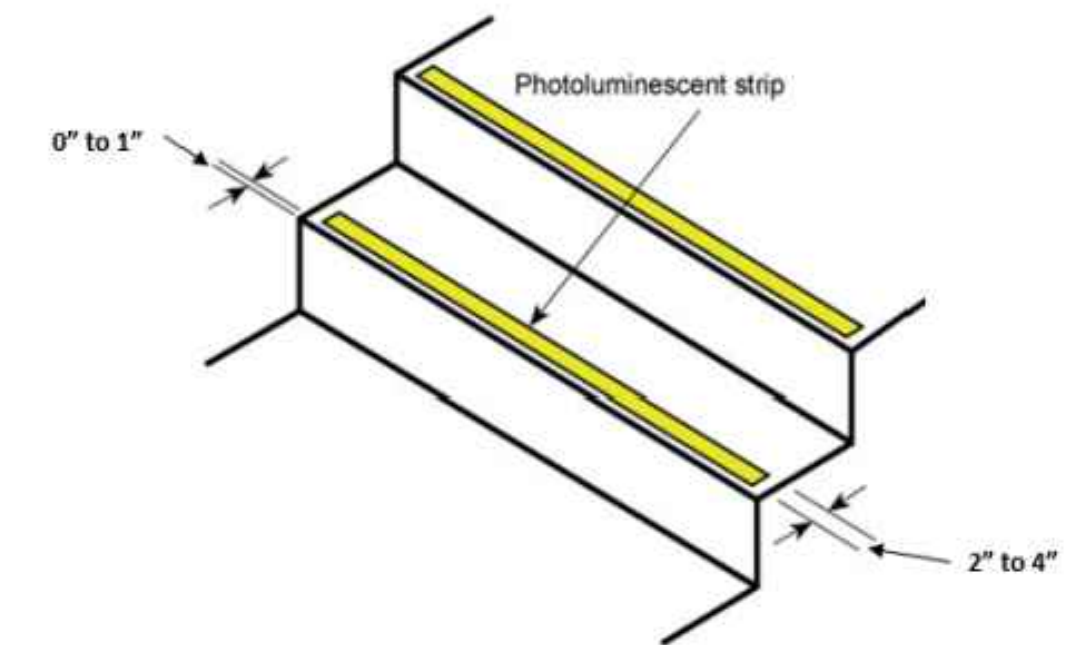


12 CURBS AND SIDEWALKS 1
NOT-TO-SCALE

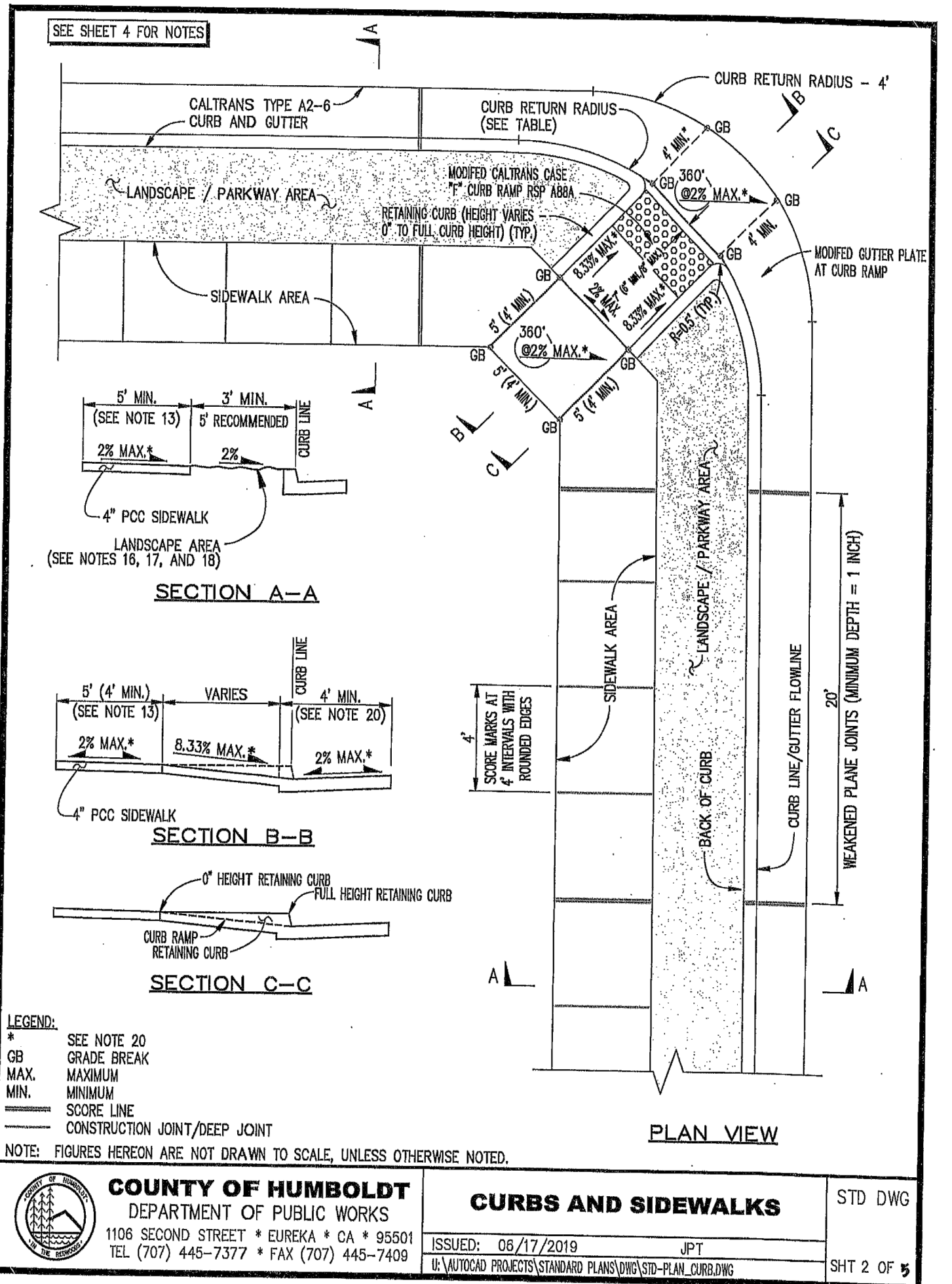
Stairs:
 □ Stair steps should have uniform riser height and tread depth. Risers should be 4 to 7 inches in height. Treads should be a minimum of 11 inches deep. Open risers should not be used.



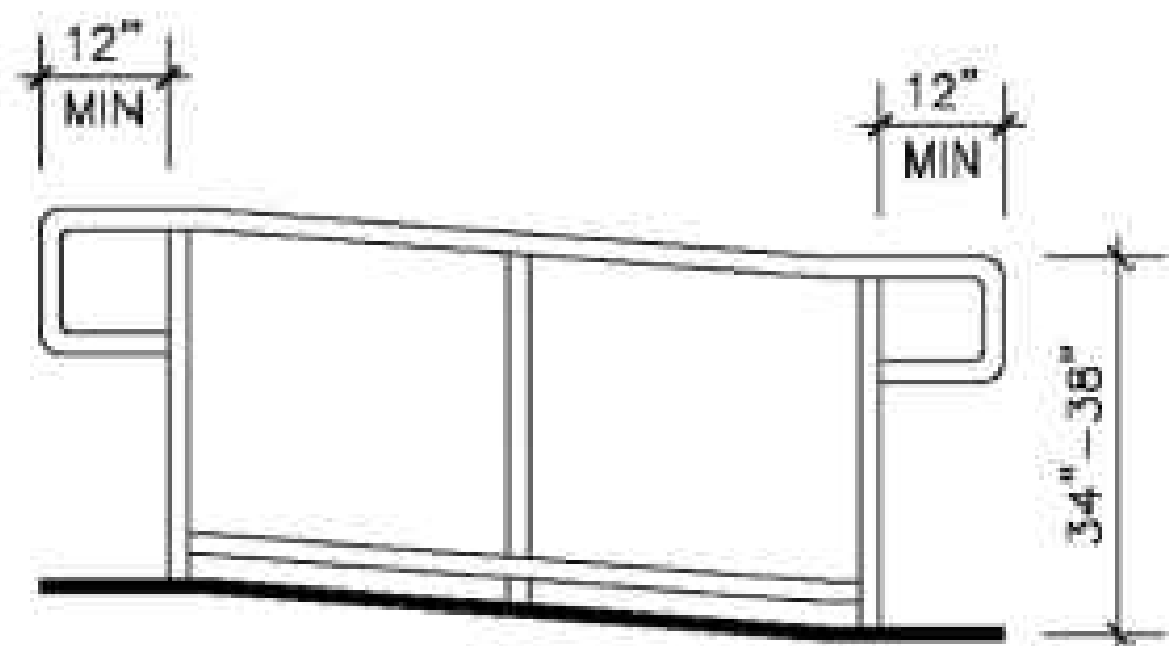
□ Visual contrast strips should be placed on stair treads. Strip to be 2 to 4 inches in depth and be placed no more than 1 inch from nosing. Strip to be full width of the step. Exterior locations require strips on all stair treads. Interior locations require strips on the lowest tread and the edge of the upper approach.



15 STAIRS
NOT-TO-SCALE

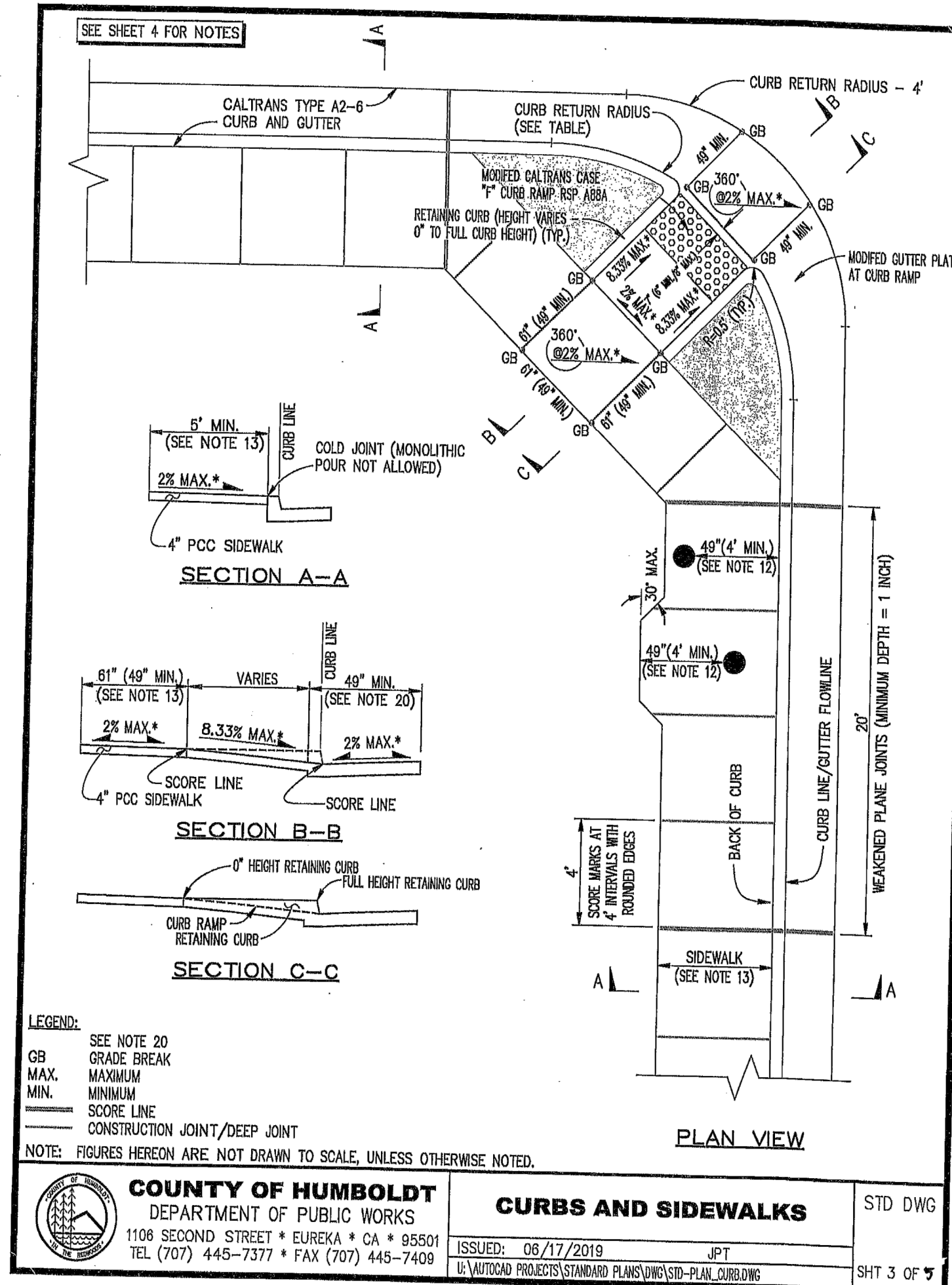


13 CURBS AND SIDEWALKS 2
NOT-TO-SCALE



- HANDRAILS ARE REQUIRED AT RAMP RUNS AND STAIRS WITH RISES GREATER THAN 6 INCHES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS OR ALONG SIDEWALKS.
- HANDRAILS MUST BE CONTINUOUS AND THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS AND RUNS.
- HANDRAILS MUST EXTEND A MINIMUM OF 12 INCHES BEYOND THE RAMP RUN OR STAIRS.
- TOP OF HANDRAIL GRIPPING SURFACE SHALL BE MOUNTED 34 INCHES THROUGH 38 INCHES ABOVE THE RAMP, STAIR OR WALKING SURFACE.
- HANDRAIL GRIPPING SURFACE SHALL BE CONTINUOUS.
- CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE A MINIMUM OF 1.5 INCHES.
- HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2.0 INCHES MAXIMUM.

16 HANDRAILS
NOT-TO-SCALE



14 CURBS AND SIDEWALKS 3
NOT-TO-SCALE

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BMX TRACK AND PARK DEVELOPMENT
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NOTES

CURB & GUTTER

- FORMS SHALL BE CAREFULLY SET TO ALIGNMENT AND GRADE AND SHALL CONFORM TO THE REQUIRED DIMENSIONS. FORMS SHALL BE HELD RIGIDLY IN PLACE BY STAKES, CLAMPS, SPREADERS, AND BRACES SHALL BE USED WHERE REQUIRED TO ENSURE RIGIDITY IN THE FORM.
- PRIOR TO THE REMOVAL OF THE FORMS, THE SURFACE SHALL BE FINISHED TRUE TO GRADE BY MEANS OF A STRAIGHTEDGE FLOAT, NOT LESS THAN 10 FEET IN LENGTH, OPERATED LONGITUDINALLY OVER THE SURFACE OF THE CONCRETE. FORM CLAMPS SHALL BE SO CONSTRUCTED AS NOT TO INTERFERE WITH THE OPERATION OF THE FLOAT.
- IMMEDIATELY AFTER REMOVING THE FRONT CURB FORMS, THE FACE OF THE CURB SHALL BE TROWELED SMOOTH TO A DEPTH OF NOT LESS THAN 0.17 FOOT (2-1/16 INCHES) BELOW THE FLOW LINE OR TO THE FLOW LINE OF INTEGRAL CURB AND GUTTER, AND THEN FINISHED WITH A STEEL TROWEL. THE TOP SHALL BE FINISHED AND THE FRONT AND BACK EDGES ROUNDED AS SHOWN HEREON. AFTER THE FACE OF THE CURB HAS BEEN TROWELED SMOOTH, IT SHALL BE GIVEN A FINAL FINE BRUSH FINISH WITH BRUSH STROKES PARALLEL TO THE LINE OF THE CURB.
- THE TOP AND FACE OF THE FINISHED CURB SHALL BE TRUE AND STRAIGHT AND THE TOP SURFACE OF CURBS SHALL BE OF UNIFORM WIDTH FREE FROM HUMPS, SAGS, OR OTHER IRREGULARITIES.
- WHEN A STRAIGHT EDGE 10 FEET LONG IS LAID ON THE TOP FACE OF THE CURB OR ON THE SURFACE OF GUTTERS, THE SURFACE SHALL NOT VARY MORE THAN 0.01 FOOT (1/8 INCH) FROM THE EDGE OF THE STRAIGHTEDGE, EXCEPT AT GRADE CHANGES OR CURVES.
- CONCRETE: CURB AND GUTTER SHALL BE POURED INDEPENDENTLY OF THE SIDEWALK. MONOLITHIC POURING IS NOT PERMITTED.
- CURB DRAINS THROUGH EXISTING CURB FACE SHALL BE CORED OR REMOVE CURB AND GUTTER FOR A MINIMUM WIDTH OF 1 FOOT, OR 6 INCHES ON EACH SIDE OF THE DRAIN, WHICHEVER IS GREATER.

SIDEWALKS

- THE SURFACE OF SIDEWALKS SHALL BE MARKED INTO RECTANGLES OF NOT LESS THAN 12 SQUARE FEET NOR MORE THAN 20 SQUARE FEET WITH A SCORING TOOL WHICH WILL LEAVE THE EDGES ROUNDED. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 20 FOOT INTERVALS. THE JOINTS SHALL BE CONSTRUCTED TO A MINIMUM DEPTH OF ONE INCH BY SCORING WITH A TOOL WHICH WILL LEAVE THE CORNERS ROUNDED AND ENSURE A FREE MOVEMENT OF THE CONCRETE AT THE JOINT.
- SURFACES SHALL BE BROOM FINISHED. SURFACES TO BE USED BY PEDESTRIAN TRAFFIC SHALL BE BROOMED TRANSVERSELY TO THE LINE OF TRAFFIC.
- THE SURFACE SHALL NOT VARY MORE THAN 0.02 (1/4 INCH) FROM A 10-FOOT STRAIGHTEDGE, EXCEPT AT GRADE CHANGES, AND THE FINISHED SURFACE SHALL BE FREE FROM BLEMISHES.

SIDEWALKS (CONTINUED)

- REPAIR SHALL BE MADE BY REMOVING AND REPLACING THE ENTIRE UNIT BETWEEN SCORING LINES OR JOINTS.
- CONSTRUCTIONS: MAINTAIN A MINIMUM CLEARANCE OF 4 FEET AROUND OBSTRUCTIONS SUCH AS UTILITY POLES, FIRE HYDRANTS, ETC....
- SIDEWALK WIDTHS VARY BASED UPON ROAD RIGHT OF WAY. TYPICAL SIDEWALK WIDTHS ARE AS FOLLOWS:
WIDTH = 5' FOR RIGHT OF WAYS 50 FEET OR LESS
WIDTH = 6' FOR RIGHT OF WAYS GREATER THAN 50 FEET
WIDTH = 4' ONLY FOR SPECIAL CIRCUMSTANCES:
THE DEPARTMENT MAY ALLOW 4' SIDEWALK TO BE CONSTRUCTED AS WELL BETWEEN TWO EXISTING STRETCHES OF 4' WIDE SIDEWALK.
SIDEWALK WIDTH MAY BE REDUCED TO 4' BEHIND DRIVEWAY APRONS.
4' WIDE SIDEWALK REQUIRES A 5' X 5' PASSING AREA SPACED NO MORE THAN 200' APART.
THE DEPARTMENT RECOMMENDS THAT SIDEWALKS BE FORMED TO 4'-2" AND 5'-2" TO ENSURE THAT MINIMUM ADA WIDTH REQUIREMENTS ARE MET.
NOTE: SIDEWALK WIDTHS DO NOT INCLUDE CURBS. SEE CALTRANS HIGHWAY DESIGN MANUAL SECTION 105.1 (05/07/2012)
- MAXIMUM SIDEWALK CROSS SLOPE IS 2%. THE DEPARTMENT RECOMMENDS THAT FORMS BE BUILT TO 1.5% TO ENSURE THAT THE CROSS SLOPE DOES NOT EXCEED 2%.
NOTE: THE "1/4 INCH PER FOOT" RULE OF THUMB RESULTS IN A CROSS SLOPE OF 2.1% WHICH EXCEEDS ADA MAXIMUM OF 2%.
- THE REPAIR AND MAINTENANCE OF SIDEWALKS (INCLUDING CURB RAMPS) IS THE RESPONSIBILITY OF THE ADJOINING LOT OWNER. SEE RESOLUTION NO. 97-31 ADOPTED BY THE BOARD OF SUPERVISORS ON 03/04/1997.
- LANDSCAPING
16. RECOMMENDED WIDTH OF LANDSCAPE STRIP IS 5 FEET. MINIMUM WIDTH OF LANDSCAPE STRIP IS 3 FEET. MAINTENANCE OF LANDSCAPE AREAS BETWEEN THE CURB AND THE SIDEWALK (PARKWAYS) IS THE RESPONSIBILITY OF THE ADJACENT LAND-OWNER. LANDSCAPING IS NOT COUNTY MAINTAINED.
17. STREET TREES REQUIRE A ROOT BARRIER TO PREVENT DAMAGE TO THE CURB, SIDEWALK AND ROAD. CONTACT THE DEPARTMENT FOR TREE SPECIES RECOMMENDATION.
18. LANDSCAPING MUST COMPLY WITH THE COUNTY VISIBILITY ORDINANCE (COUNTY CODE SECTION 341-1 ET SEQ.). THE DEPARTMENT RECOMMENDS LOW HEIGHT VEGETATION IN ALL LANDSCAPE STRIPS (LESS THAN 12" TALL).

NOTE: FIGURES HEREON ARE NOT DRAWN TO SCALE, UNLESS OTHERWISE NOTED.

<p>COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS 1106 SECOND STREET • EUREKA • CA • 95501 TEL: (707) 445-7377 • FAX: (707) 445-7409</p>	<p>CURBS AND SIDEWALKS</p>	STD DWG
		SHT 4 OF 5

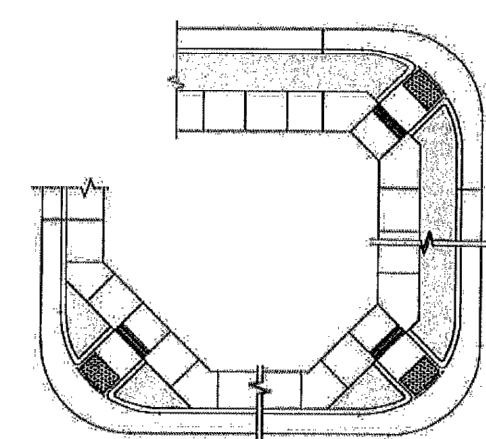
17 CURBS AND SIDEWALKS 4

NOTES

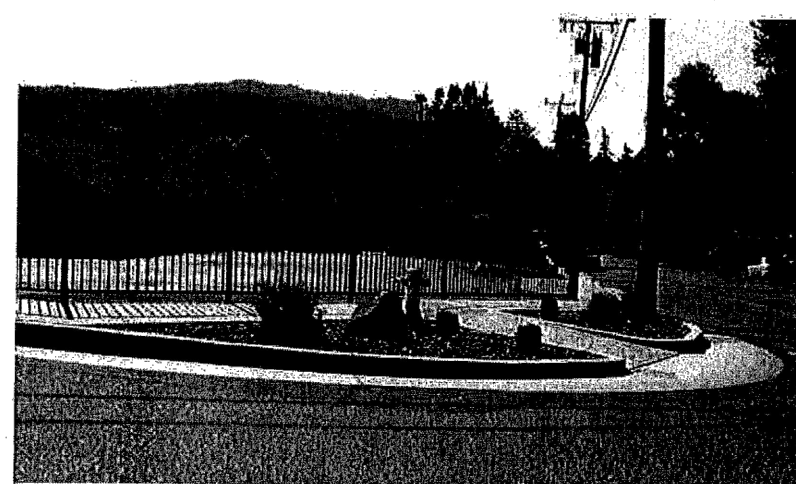
CURB RAMPS

- ACTUAL ADA REQUIREMENTS ARE REFLECTED ON THESE SHEETS, WHICH ARE DIFFERENT THAN THE REQUIREMENTS SHOWN ON CALTRANS REVISED STANDARD PLAN RSP AB8A DATED 07/19/2013.
CALTRANS REVISED STANDARD PLAN RSP AB8A DATED 07/19/2013 WAS DEVELOPED FROM DESIGN INFORMATION BULLETIN (DBI) 82-05 DATED 10/01/2013. SECTION 4.3 (DESIGN STANDARDS) OF THE DBI STATES THAT THE REVISED STANDARD PLAN CONTAINS CONSERVATIVE SLOPES AND WIDTHS THAT ARE DIFFERENT THAN THE ACTUAL ADA SPECIFICATIONS CONTAINED IN THE DBI, SECTION 4.3.8 (CURB RAMPS) AND SECTION 4.3.5 (CROSS SLOPES) OF THE DBI SPECIFY ACTUAL ADA REQUIREMENTS.
- MAXIMUM CURB RAMP GRADE IS 8.33%. THE DEPARTMENT RECOMMENDS THAT FORMS BE BUILT TO 7.5% TO ENSURE THAT THE RAMP GRADE DOES NOT EXCEED 8.33%.
MAXIMUM GUTTER SLOPE AT THE BOTTOM CURB RAMP LANDING IS 5% FOR 4'. THE DEPARTMENT RECOMMENDS THAT FORMS BE BUILT TO 4.5% TO ENSURE THAT THE CROSS SLOPE DOES NOT EXCEED 5%.
MAXIMUM GRADE AT THE TOP CURB RAMP LANDING IS 2%. THE DEPARTMENT RECOMMENDS THAT FORMS BE BUILT TO 1.5% TO ENSURE THAT THE CROSS SLOPE DOES NOT EXCEED 2%.
NOTE: THE "1/4 INCH PER FOOT" RULE OF THUMB RESULTS IN A CROSS SLOPE OF 2.1% WHICH EXCEEDS ADA MAXIMUM OF 2%.

	LOCAL ROAD	COLLECTOR ROAD & ARTERIAL ROAD	INDUSTRIAL USE AREAS & TRUCK ROUTES
LOCAL ROAD	15'	20'	N/A
COLLECTOR ROAD & ARTERIAL ROAD	-	25'	40'
INDUSTRIAL USE AREAS & TRUCK ROUTES	N/A	40'	40'



ABOVE: EXAMPLE OF CURB RAMP APPLICATIONS



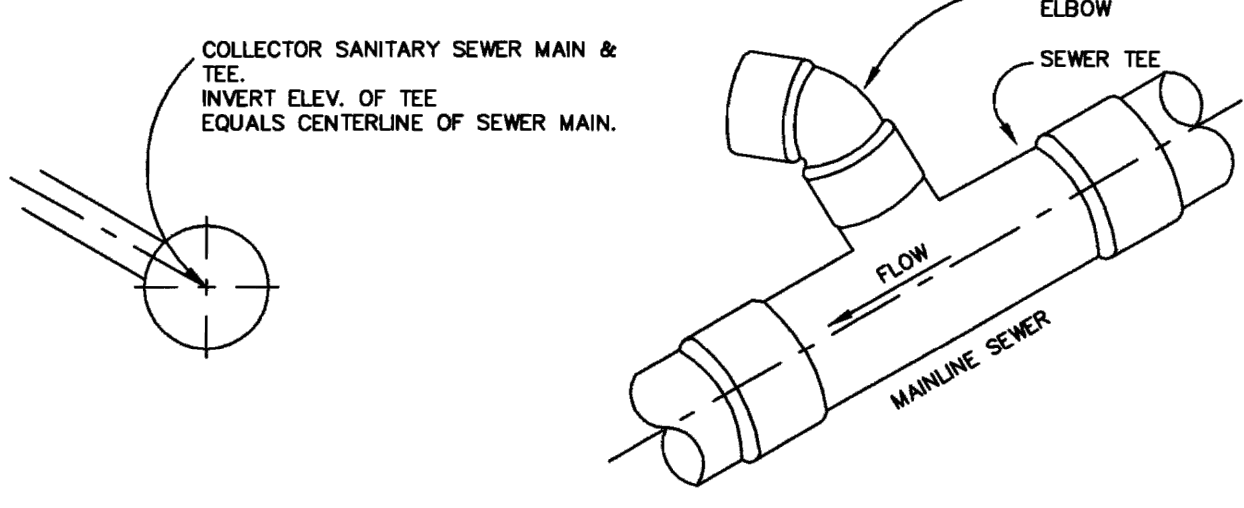
ABOVE: EXAMPLE OF MODIFIED CALTRANS CASE "f" CURB RAMP

NOTE: FIGURES HEREON ARE NOT DRAWN TO SCALE, UNLESS OTHERWISE NOTED.

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18 CURBS AND SIDEWALKS 5

NOT-TO-SCALE



NEW SEWER LATERAL CONNECTIONS

- POLYVINYL CHLORIDE (PVC) PIPE, SDR-35 WHEN USED WITH A MANUFACTURED TEE SPECIFICALLY DESIGNED FOR PVC LATERALS THE TEE SHALL BE OF THE SAME MATERIAL AS THE SEWER MAIN.
- LATERAL CONNECTIONS TO EXISTING MAINS**
- PVC (SDR-35)
4" OUT IN TEE WITH "CAULDER CPLG." OR TAP WITH SADDLE TEE.
 - A/C (SEWER)
TAP WITH GENCO TYPE SADDLE.
 - LATERALS GREATER THAN 4" DIA. REQUIRE MANHOLE CONNECTION TO MAIN.

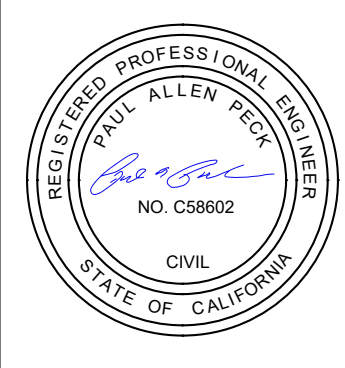
- NOTES**
- THE SEWER SERVICE LATERAL SHALL BE OF SUFFICIENT DEPTH TO ADEQUATELY SERVE THE BUILDING SITE, AND IN NO CASE SHALL BE LESS THAN 3 FT. DEEP AT THE BACK OF THE P.U.E. UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT.
 - WHERE PROBLEMS ARE ANTICIPATED IN PROVIDING SEWER SERVICE TO A GIVEN BUILDING SITE, THE LATERAL INVERT AT THE BACK OF THE P.U.E. SHALL BE STAKED BY THE OWNER'S ENGINEER.
 - WHERE DRIVEWAY LOCATION INFORMATION IS KNOWN, SERVICE LATERAL SHALL BE LOCATED OUTSIDE DRIVEWAY APPROACH DROP CURB.
 - MINIMUM 1% SLOPE EXCEPT WHERE A VARIATION IS SPECIFICALLY APPROVED BY THE DISTRICT.

McKinleyville C.S.D.	SEWER SERVICE LATERAL	APPROVED DATE: STD. DWG: S - 8
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19 SEWER SERVICE LATERAL

NOT-TO-SCALE

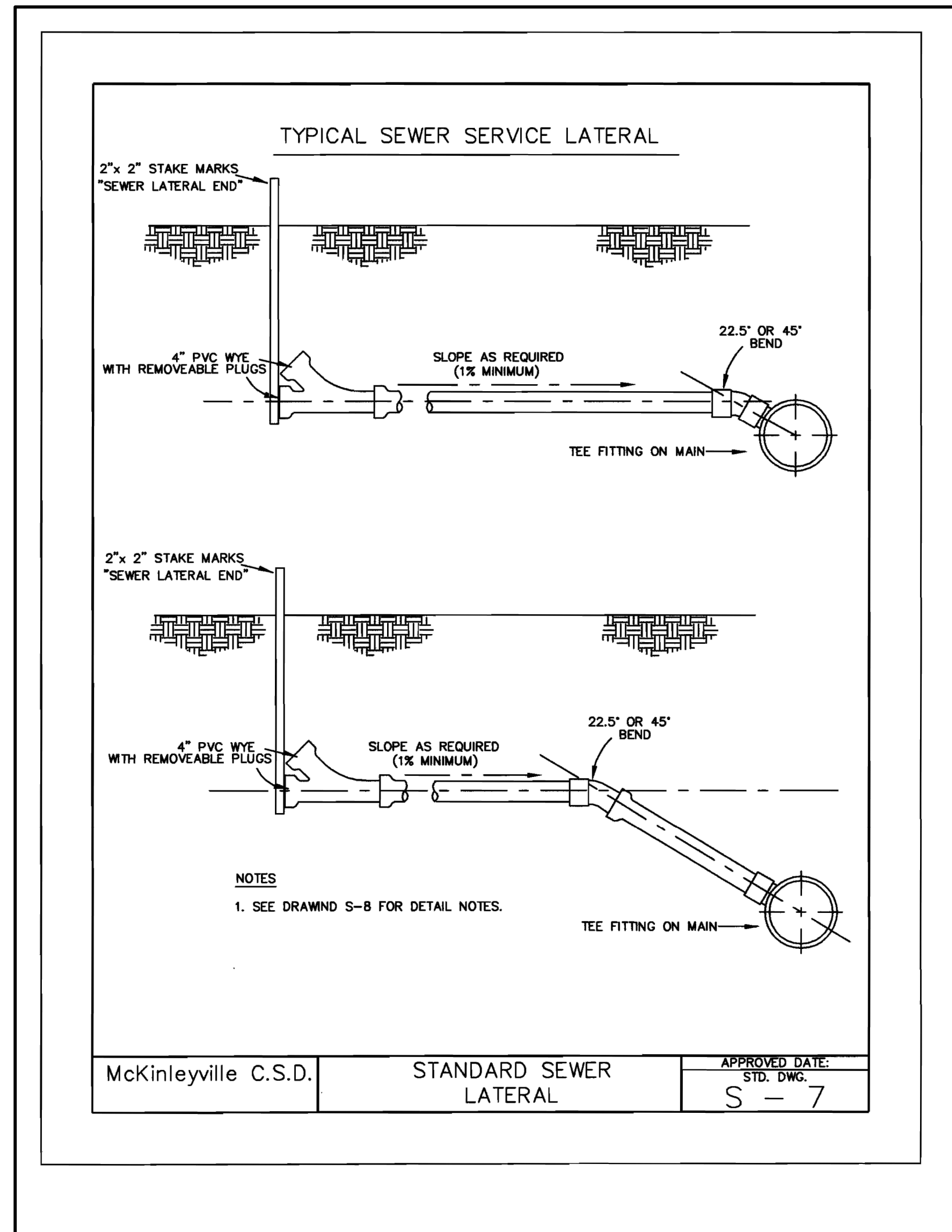
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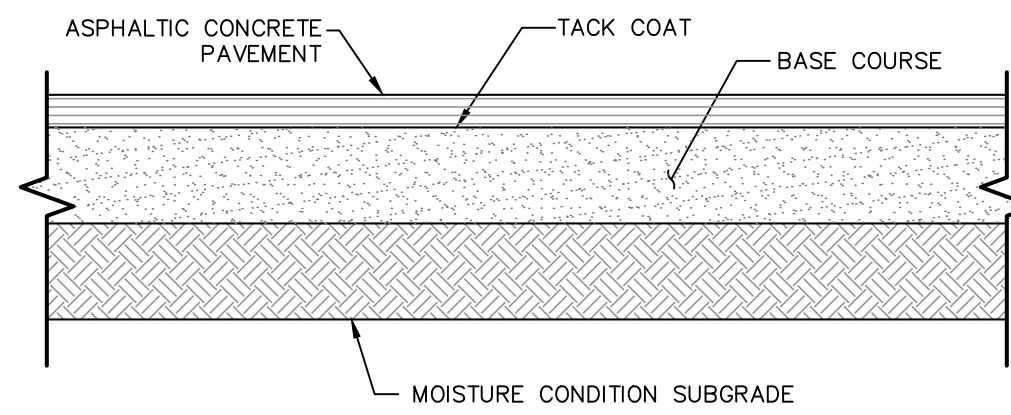
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BMX TRACK AND PARK DEVELOPMENT
MCKINLEYVILLE, CA
DETAILS

PLAT NO.	
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	TA
CHECKED/PAP_DRAWN	TA
SHEET	C4.40

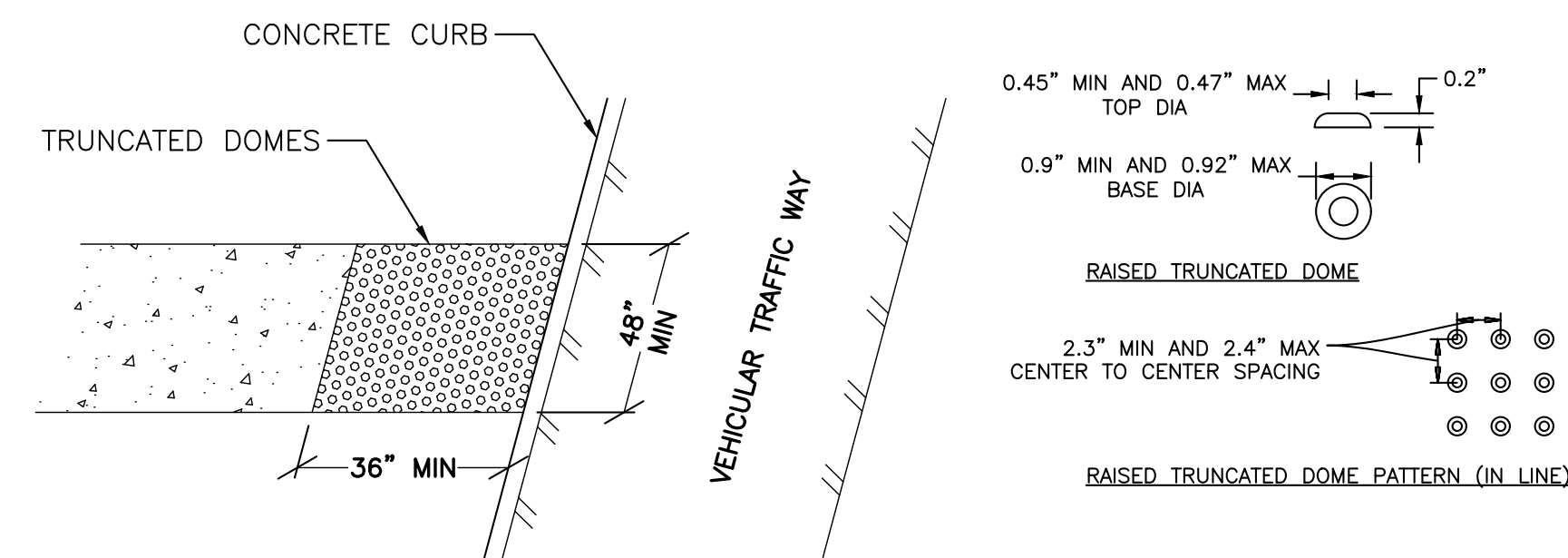


20 STANDARD SEWER LATERAL NOT-TO-SCALE



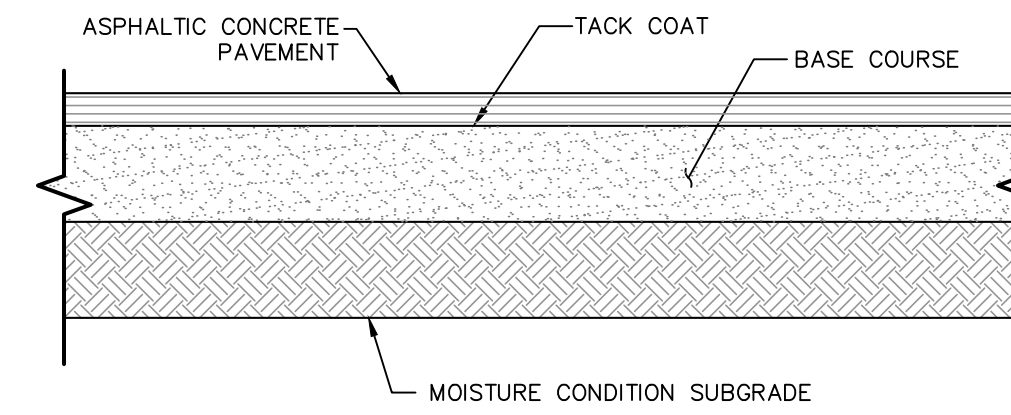
PAVEMENT MATERIALS	LIGHT DUTY ASPHALT (N.)	HEAVY DUTY ASPHALT (N.)
ASPHALTIC CONCRETE SURFACE COURSE	3	-
CRUSHED CLASS 2 BASE COURSE	11	-
MOISTURE CONDITIONED SUBGRADE	6	-

21 PARKING SECTION NOT-TO-SCALE



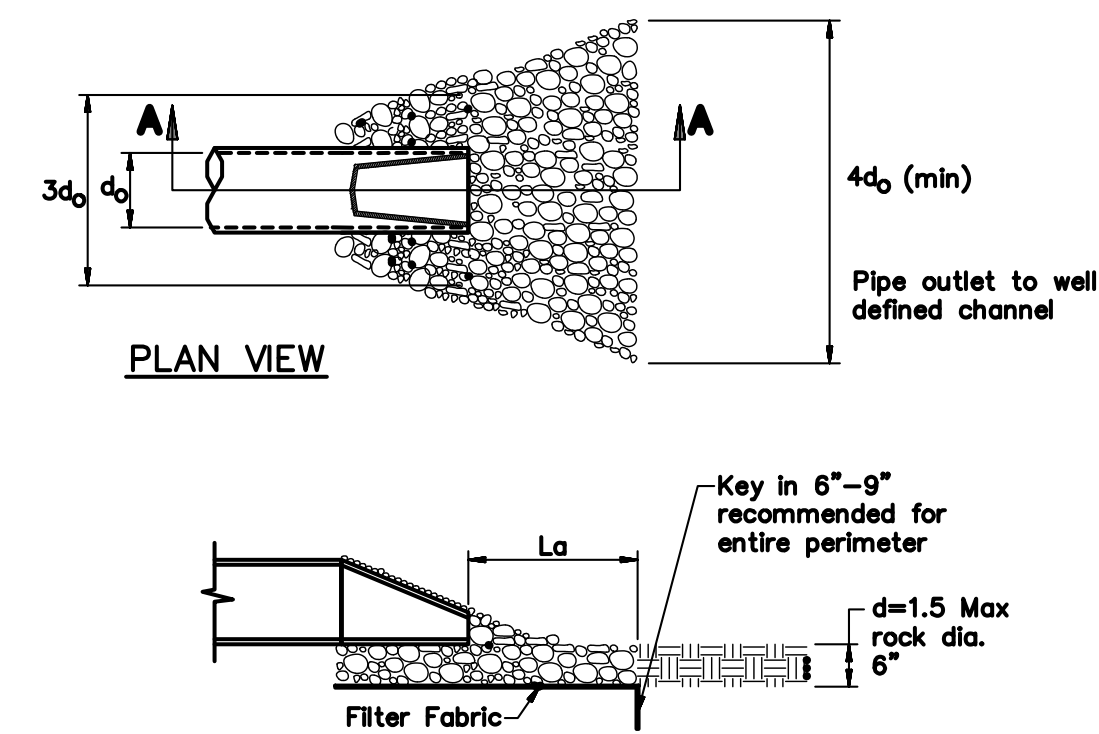
- DWS PRODUCTS MUST BE ON THE AUTHORIZED MATERIAL LIST (AML) IN ACCORDANCE WITH SECTION 73-1.02B, "DETECTABLE WARNING SURFACES," OF THE CALTRANS STANDARD SPECIFICATIONS.
- DWS MUST BE YELLOW COLOR NO. 33538 OF FED-STD-595 UNLESS THE SPECIAL PROVISIONS HAVE IDENTIFIED ANOTHER COLOR FOR AESTHETICS.
- TRANSITION GUTTER PAN SLOPE FROM 1" OF DEPTH FOR EACH 2'-0" OF WIDTH TO MATCH TYPICAL GUTTER PAN SLOPE PER CALTRANS STANDARD PLAN A87A.
- THE DWS WILL BE A RECTANGLE AS SHOWN AT BACK OF CURB, UNLESS MODIFIED IN THE PROJECT PLANS. CURB RAMPS SHALL HAVE A DWS THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DWS SHALL EXTEND THE FULL WIDTH OF THE RAMP EXCEPT A MAXIMUM GAP OF 1" IS ALLOWED ON EACH SIDE OF THE RAMP. DWS SURFACES SHOULD CONFORM TO THE REQUIREMENTS ON THE STANDARD SPECIFICATIONS.

23 DETECTABLE WARNING SURFACE (DWS) NOT-TO-SCALE



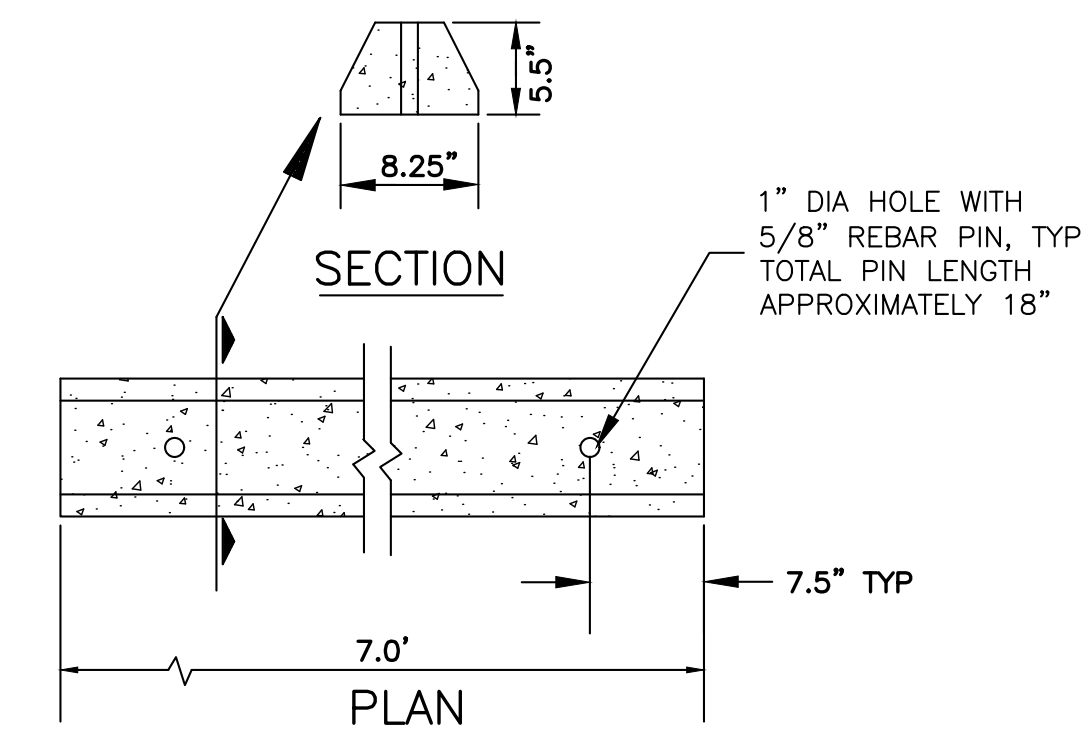
PAVEMENT MATERIALS	LIGHT DUTY ASPHALT (N.)	HEAVY DUTY ASPHALT (N.)
ASPHALTIC CONCRETE SURFACE COURSE	3	-
CRUSHED CLASS 2 BASE COURSE	3	-
MOISTURE CONDITIONED SUBGRADE	6	-

22 SIDEWALK AND BALL COURT SECTION NOT-TO-SCALE

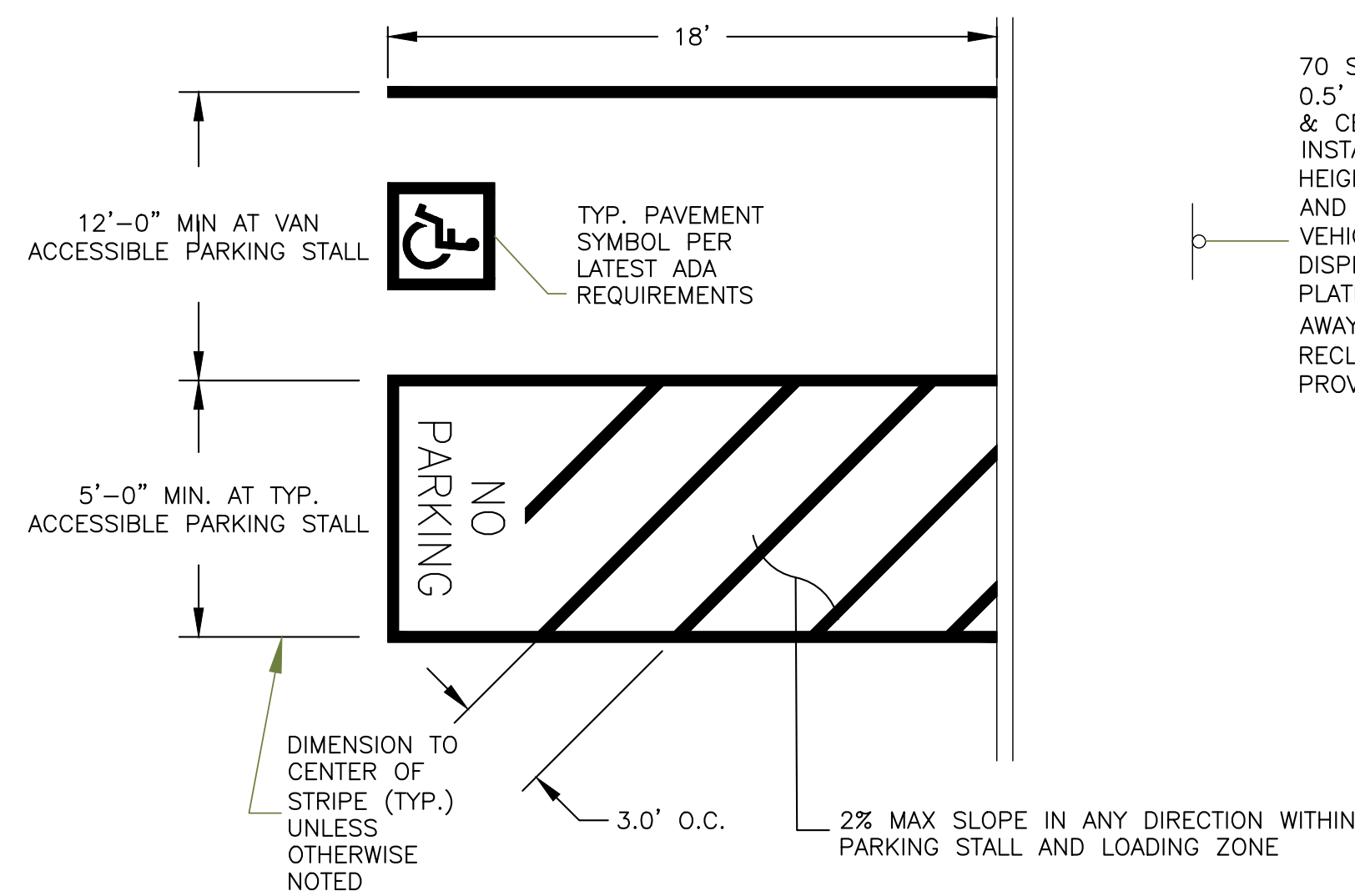


PIPE DIAMETER	APRON LENGTH, La	RIP RAP D50 DIAMETER MIN.
6"	3'	3"
8"	4'	3"
10"	6'	4"
12"	8'	4"
18"	10'	6"
36"	16'	8"

24 VELOCITY DISSIPATOR NOT-TO-SCALE

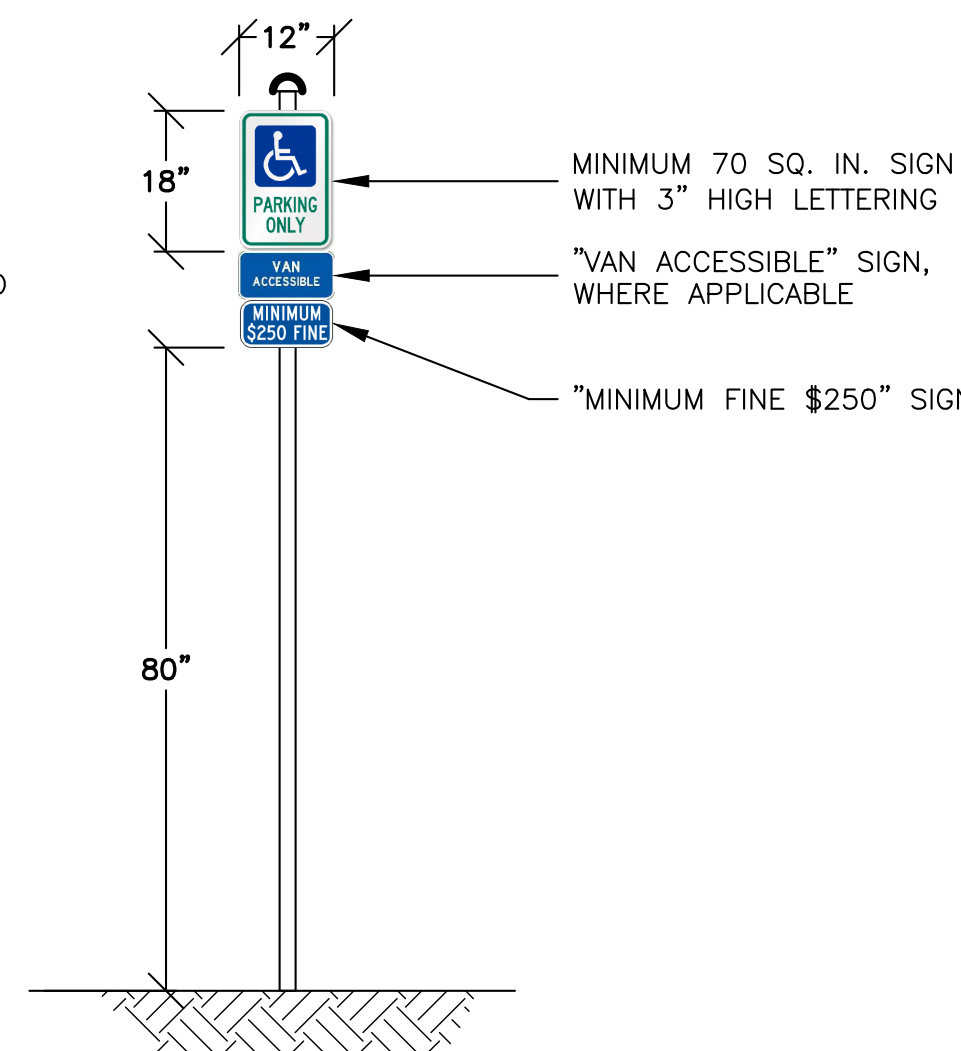


27 WHEEL STOP NOT-TO-SCALE



25 ACCESSIBLE PARKING STALL NOT-TO-SCALE

70 SQ. INCH ACCESSIBILITY SIGN
 0.5' BEHIND BACK OF CURB OR WALK AS SHOWN & CENTERED ON PARKING STALL.
 INSTALL ADDITIONAL ACCESSIBLE PARKING SIGN, WITH MINIMUM 1" HEIGHT LETTERING, IMMEDIATELY ADJACENT TO ON-SITE PARKING AND VISIBLE FROM EACH PARKING SPACE STATING, "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED BY TELEPHONING 707-839-3251. PROJECT OWNER TO PROVIDE CONTRACTOR WITH PHONE NUMBER.



26 ACCESSIBLE PARKING SIGNAGE NOT-TO-SCALE

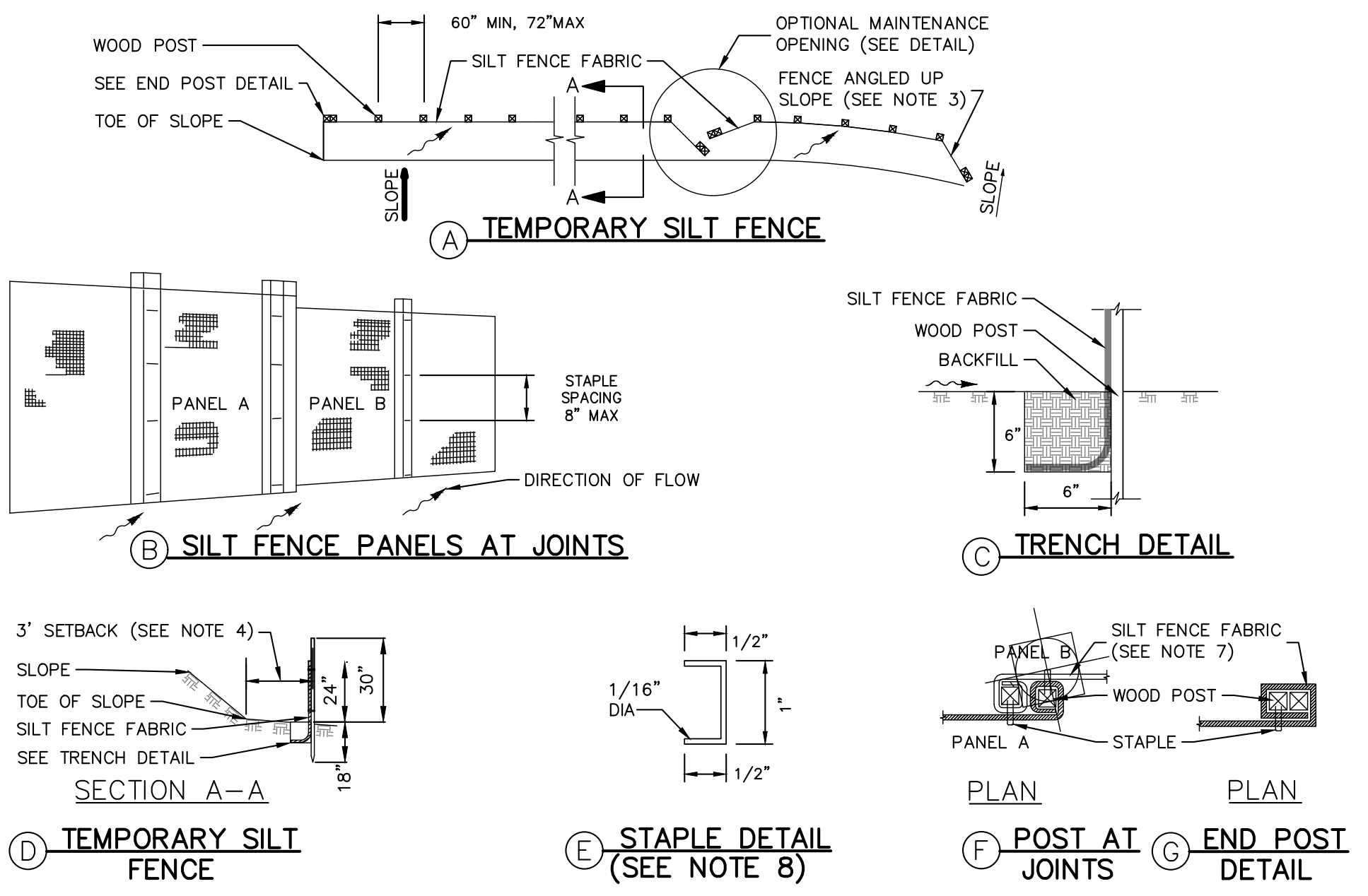
NO.	REVISION	DATE



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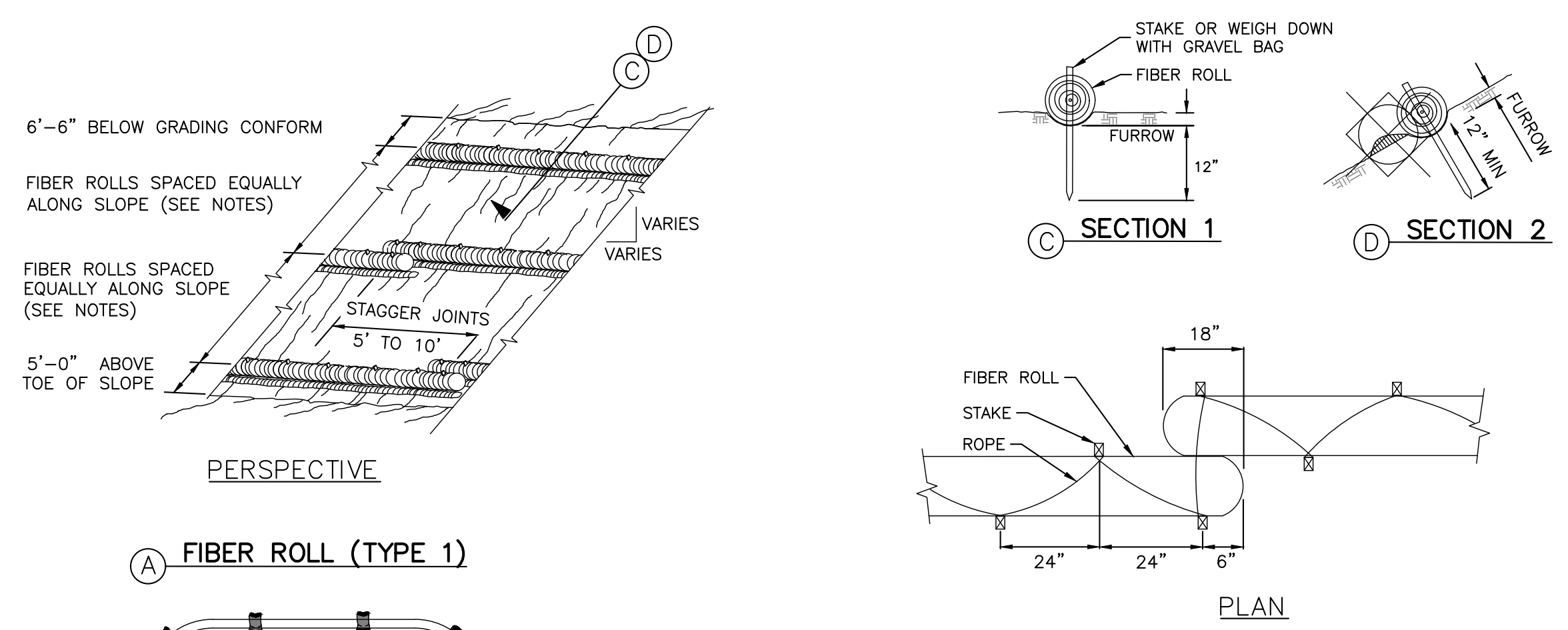
BMX TRACK AND PARK DEVELOPMENT
 MCKINLEYVILLE, CA
 DETAILS

PLAT NO.	9698.09
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	TA
CHECKED/PAP. DRAWN	TA
SHEET	C4.50



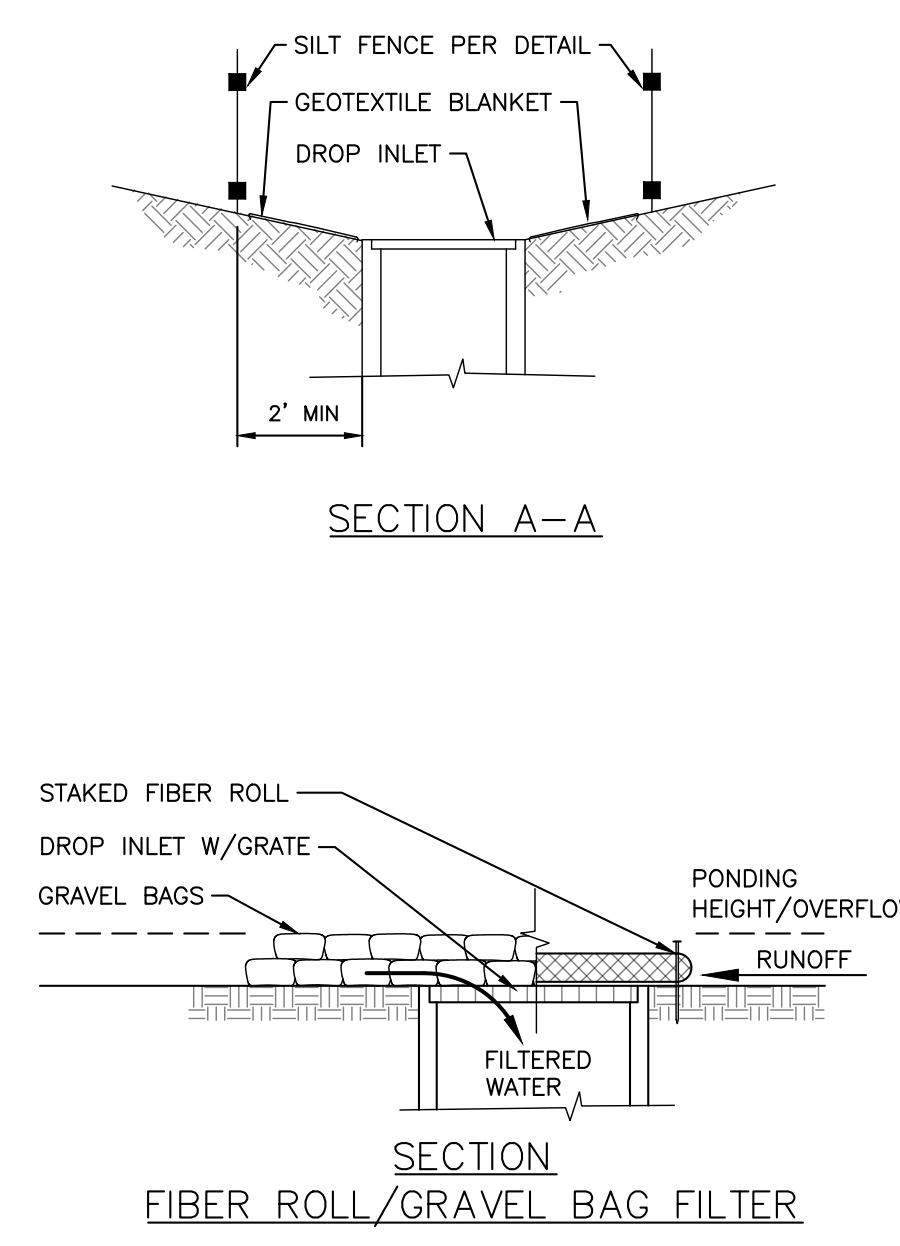
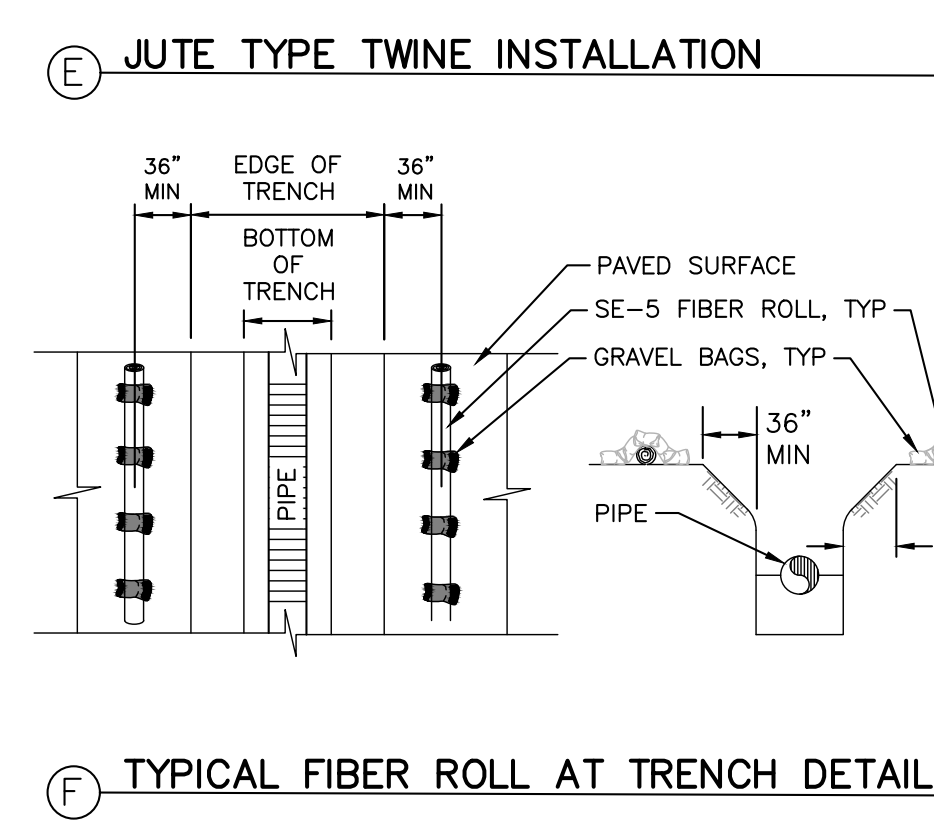
- NOTES:**
- INSTALL TEMPORARY SILT FENCE BY FIRST DIGGING TRENCH, DRIVING POSTS, PLACING AND SECURING FABRIC. THEN BACKFILL AND TAMP.
 - REACH LENGTH NOT TO EXCEED 500 FEET.
 - THE DOWN STREAM END OF THE TEMPORARY SILT FENCE SHALL HAVE THE LAST 8' ANGLED UP SLOPE.
 - SETBACK DIMENSIONS MAY VARY TO FIT FIELD CONDITIONS.
 - POSTS TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH POST ONE FULL TURN. SECURE FABRIC WITH 4 STAPLES FOR EACH POST.
 - POSTS SHALL BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT THE JOINT. THE TOPS OF THE POSTS SHALL BE SECURED TO EACH OTHER WITH WIRE.
 - FOR EACH END POST, FENCE FABRIC SHALL BE FOLDED AROUND TWO POSTS ONE FULL TURN AND SECURED WITH 4 STAPLES.
 - MINIMUM OF 4 STAPLES SHALL BE INSTALLED PER POST. DIMENSIONS SHOWN ARE TYPICAL.
 - MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE THAT SEDIMENT IS RETAINED BY THE TEMPORARY SILT FENCE.
 - JOINT SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS.

1 SE-1 SILT FENCE DETAIL
SE = SEDIMENT CONTROL PER CASQA (TYP) NOT TO SCALE



- NOTES:**
- FIBER ROLL SPACING VARIES DEPENDING UPON SLOPE INCLINATION, BUT NOT TO EXCEED 10 FOOT AS MEASURED ALONG THE SLOPE INCLINATION.
 - INSTALLATIONS SHOWN IN THE PERSPECTIVES ARE FOR SLOPE INCLINATION OF 10:1 AND STEEPER.
 - IF TRENCHING WORK IS TO PROCEED IN A PIECE-MEAL FASHION, SECTION BY SECTION. BMP'S ARE ONLY REQUIRED AROUND THOSE SECTIONS OF OPEN TRENCHING.

3 SE-5 TYPICAL FIBER ROLL INSTALLATION DETAIL
SE = SEDIMENT CONTROL PER CASQA (TYP) NOT TO SCALE

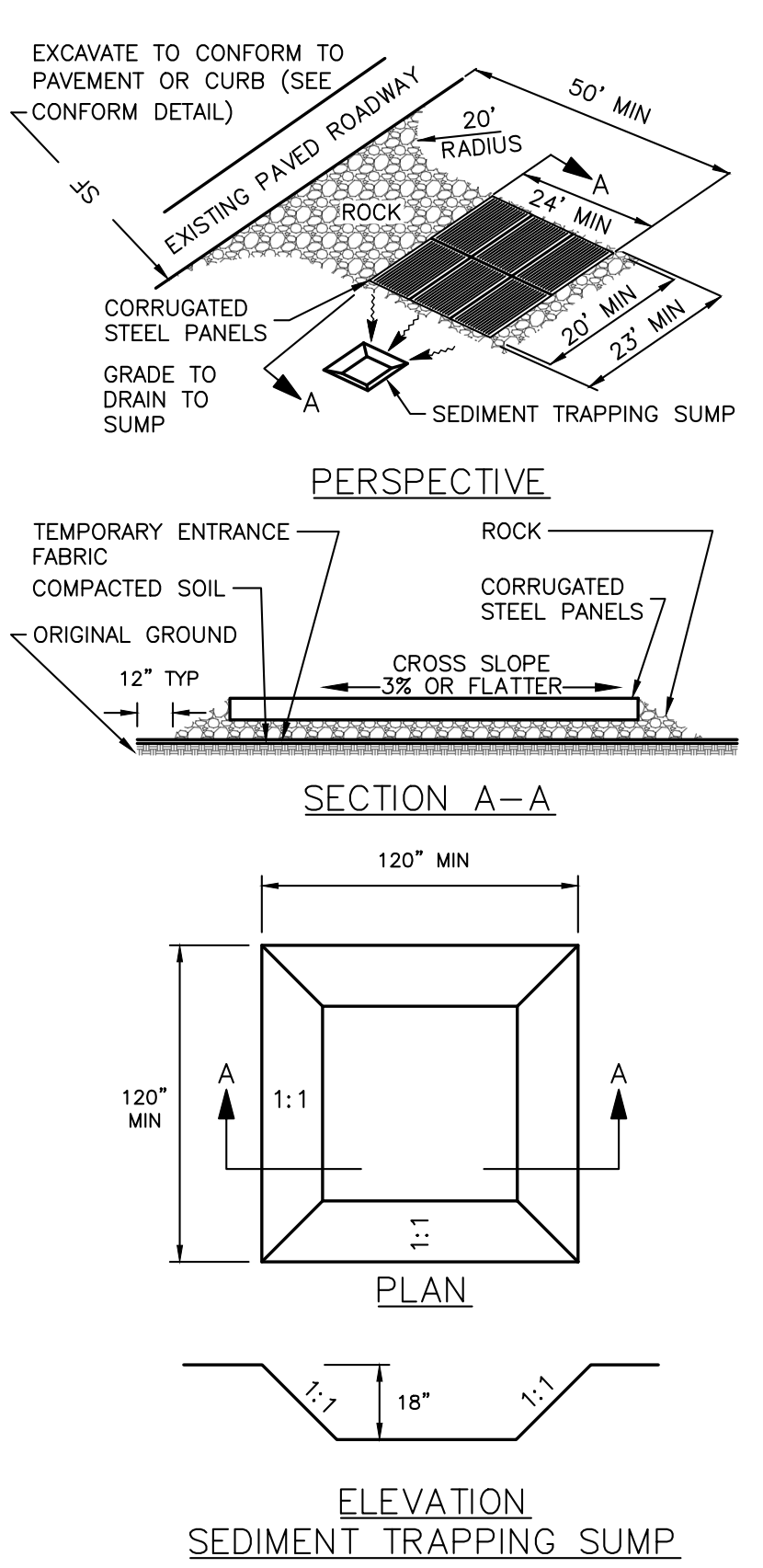


- NOTES:**
- IMPLEMENTATION, SPECIFICATIONS, AND MAINTENANCE PER CASQA BMP HANDBOOK STANDARD SE-10.
 - IMPLEMENTATION, SPECIFICATIONS, AND MAINTENANCE PER CASQA BMP HANDBOOK STANDARD SE-10.
 - THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

8 DROP INLET PROTECTION
NOT TO SCALE

- NOTES:**
- IMPLEMENTATION, SPECIFICATIONS AND MAINTENANCE PER CASQA WM-3 BMP.
 - HAZARDOUS MATERIALS AND REFUSE MUST BE KEPT IN CLOSED CONTAINERS THAT ARE COVERED AND UTILIZE SECONDARY CONTAINMENT NOT DIRECTLY ON SOIL.
 - PLACE BAGGED MATERIALS ON PALLETS AND UNDER COVER.
 - STOCKPILES NEED TO BE PROTECTED IMMEDIATELY IF THEY ARE NOT SCHEDULED TO BE USED WITHIN 14 DAYS.

9 STOCKPILE BMP DETAIL
NOT TO SCALE



5 CONSTRUCTION ENTRANCE
NOT TO SCALE

- NOTES:**
- ACTUAL LAYOUT DETERMINED IN THE FIELD.
 - THE CONCRETE WASHOUT SIGN (SEE FIGURE 4-15) SHALL BE INSTALLED WITHIN 32 FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

10 CONCRETE WASTE MANAGEMENT
NOT TO SCALE

DATE	
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BMX TRACK AND PARK DEVELOPMENT
MCKINLEYVILLE, CA
EROSION AND SEDIMENT CONTROL DETAILS

PLAT NO.	----
JOB NO.	9698.09
DATE	FEBRUARY 2024
DESIGNER	PAP
CHECKED	PAP DRAWN BC
SHEET	C5.10

Date: Feb 27, 2024, 10:00am User: ID: lacobr File: T:\CADfiles\9698.09_MSD_BMX\CA\DWG\9698.09-PLAN_SWPP.dwg

BMX TRACK-CODE CRITERIA

THESE GENERAL NOTES APPLY TO THE BMX TRACK CONTRACTOR UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH 2021 INTERNATIONAL BUILDING CODE.

SEISMIC:
SEISMIC USE GROUP
SPECTRAL RESPONSE: Sds = 25.2
Sd1 = 10.9
SITE CLASS "D"

WIND:
3-SECOND GUST WIND SPEED 90 M.P.H.
IMPORTANCE FACTOR I = 1.0
WIND EXPOSURE "C"

BMX TRACK-INSPECTION NOTES

1. SPECIAL CONCRETE INSPECTIONS

1.1 PROVIDE SPECIAL STRUCTURAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

1.1.1 CONCRETE: DURING THE TAKING OF TEST SPECIMENS & PLACING OF REINFORCED CONCRETE WHERE F'C > 2,500 PSI, EXCEPT SLABS ON GRADE.

1.1.2 BOLTS INSTALLED IN CONCRETE: DURING INSTALLATION OF EMBEDDED BOLTS IN CONCRETE AND DURING INSTALLATION OF EXPANSION BOLTS & EPOXY BOLTS / REBAR INTO EXISTING CONCRETE.

1.1.3 REINFORCING STEEL: DURING PLACING OF REINFORCING STEEL, FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION BY THE CONCRETE SECTION ABOVE AND PLACING REINFORCING STEEL IN EPOXIED HOLES PER ABOVE.

1.2 SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS:

1.2.1 THE CONTRACTOR SHALL ALLOW A MINIMUM OF 72 HOURS NOTIFICATION FOR THE SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS.

2. FOUNDATIONS

2.1 BMX TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS AND COMPACTION TESTING DURING THE COURSE OF CONSTRUCTION TILL FINAL ACCEPTANCE. A QUALIFIED GEOTECHNICAL ENGINEER RETAINED BY CONTRACTOR SHALL PROVIDE COMPACTION TESTING PRIOR TO CONCRETE CONSTRUCTION. A RECORD OF SOIL COMPACTION REPORTS SHALL BE SUBMITTED TO THE BMX TRACK DESIGNER.

3. REINFORCING

3.1 SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.

3.2 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. (ICBO #3967) OR EQUIVALENT SHALL BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICBO RESEARCH REPORT.

4. STRUCTURAL STEEL

4.1 ASTM A-36 FOR C, MC, ANGLES, AND PLATES.

4.2 ASTM A-53 GRADE B OR A-501 FOR STEEL PIPES

4.3 ASTM A-500 GRADE B, FY=46 KSI FOR TSHSS TUBE STEEL FOR SIZES UP TO 58" THICK.

4.4 ASTM A-307 OR A-36 PLAIN ANCHOR BOLTS.

5. STRUCTURAL STEEL & REINFORCEMENT WELDING

5.1 ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT CERTIFICATES VALIDATED BY AN INDEPENDENT LAB & HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. THE CONTRACTOR SHALL SUBMIT WELDING CERTIFICATES FOR EACH WELDER PRIOR TO COMMENCING THE WORK.

5.2 WELDING RODS TO BE LOW HYDROGEN TYPE, E70 SERIES, PER AWS D1.1 TYPICALLY EXCEPT E-6010 SERIES FOR STEEL SHEET METAL PER AWS D1.3 AND REINFORCING WELDMENTS PER AWS D1.4. USE E80 SERIES WELDING RODS FOR A706 REBAR.

5.3 FIELD INDICATED WELDS MAY BE DONE IN SHOP & SHOP INDICATED WELDS MAY BE DONE IN FIELD ONLY IF SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.

6. SUPPLEMENTARY NOTES

6.1 THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION NOR DO THEY INDICATE THE STRUCTURAL CALCULATIONS OR PLANS. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE CITY ENGINEER OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

6.2 REINFORCING OR THREADED RODS DRILLED AND EPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT:

6.2.1 HILTI RE-500 SD - ICC ESR-2322

6.2.2 SIMPSON SET-XP - ICC ESR-2508

6.2.3 POWERS PE1000+ - ICC ESR-2583

6.3 INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICBO REPORT AND HAVE A MINIMUM 9 DIAMETERS EMBEDMENT.

6.4 ANY ENGINEERING AND/ OR STRUCTURAL DESIGN PROVIDED BY CONTRACTOR AND SUBMITTED FOR REVIEW SHALL BE BY AN INSURED LICENSED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED.

BMX TRACK GENERAL NOTES

1. GENERAL

1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS.

1.2 NOTIFY THE BMX TRACK DESIGNER OF ANY DISCREPANCIES TO THESE PLANS.

1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.

1.4 THE LANDSCAPE ARCHITECT/ ENGINEER SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE BMX TRACK CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

1.5 PROVIDE SPECIAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

1.5.1 PLACEMENT OF REINFORCING STEEL.

1.5.2 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.

1.5.3 BOLTS IN CONCRETE.

1.5.4 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.

1.5.5 TAKING OF TEST SPECIMENS AS SPECIFIED. (BY BMX TRACK CONTRACTOR).

1.6 THE BMX TRACK CONTRACTOR SHALL WARRANTY ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF THREE YEARS AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

1.7 THE METRIC EQUIVALENT "[]" DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THEIR ACCURACY.

2. CONCRETE WORK

2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND APPROVED BY THE BMX TRACK DESIGNER. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE BMX TRACK DESIGNER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.

2.2 CEMENT: ASTM C150. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT.

2.3 AGGREGATES/ SELECT FILL SHALL CONFORM TO STRUCTURAL DRAWINGS/ CALCULATIONS (BY BMX TRACK CONTRACTOR).

2.4 NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.

2.5 CONCRETE MIX DESIGN - CAST-IN-PLACE

2.5.1 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MIN. CEMENT CONTENT (POUNDS)	MAX. SLUMP (INCHES)	MAX. AGGREGATE SIZE (INCHES)	MAX. AIR ENTRAINING (PERCENT)
4000	480	4"	1"	3-5%

2.6 CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90°F UNLESS PRE-APPROVED BY THE LANDSCAPE ARCHITECT/ ENGINEER.

2.7 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER THE CODE BY AN INDEPENDENT TESTING LABORATORY FOR STRUCTURAL POURS OVER 50 CUBIC YARDS OF CONCRETE. HISTORICAL DATA SHALL BE SUBMITTED AND APPROVED PRIOR TO THE POUR IF NO TEST SAMPLES ARE TAKEN FOR POURS LESS THAN 50 CUBIC YARDS.

2.8 CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT AND SHALL CONSIST OF APPLICATION OF CURING COMPOUND PER ASTM C309. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON [4.55] PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.

2.9 THE BMX TRACK CONTRACTOR SHALL FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/16".

2.11 ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECTED TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER CEMENT RATIO NOT EXCEEDING 0.53 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR AS PER ACI 301. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS AND GUTTERS, ETC.

2.12 CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF IBC SECTION 1906.

2.13 USE INTERMEDIATE GRADE ASTM A615, GRADE 60 FOR ALL REINFORCING. USE ASTM A706, GRADE 60 FOR ALL REINFORCING THAT IS TO BE WELDED. USE A108, GRADE 60, FOR ALL WELDED ANCHORS REFER TO AWS SPEC FOR WELDING WITHOUT PREHEAT. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH ALL BUILDING CODES.

2.14 OBSERVE FOLLOWING REINFORCEMENT CLEARANCES:

3" AT SURFACES POURED AGAINST EARTH
2" AT FORMED SURFACES EXPOSED TO EARTH OR WEATHER
1-1/2" AT OTHER SURFACES, EXCEPT WHERE SHOWN OTHERWISE.

2.15 SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.

2.16 SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS OR OTHER APPROVED METHOD OF SUPPORT FOR FOOTINGS AND SLABS ON GRADE (MORTAR BLOCKS ARE UNACCEPTABLE).

2.17 REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING: AT SLAB EDGES - 24 HOURS. REFER TO GENERAL ACI REQUIREMENTS.

2.18 MAKE HOOKS ACI 318-99 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PILASTER TIES.

2.19 MAKE LAPS CONTACT SPLICES, DEVELOPMENT LENGTHS, HOOK EMBEDMENT PER ACI 318-99, UNLESS OTHERWISE NOTED. STAGGER LAP SPLICES WHERE POSSIBLE.

2.20 ALL REBAR SHALL BE COLD BENT.

2.21 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. (ICBO #3967) OR EQUIVALENT SHALL BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICBO RESEARCH REPORT.

2.22 MINIMUM CLEARANCE BETWEEN PARALLEL REINFORCEMENT BARS SHALL BE 2-1/2". LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTRACT LAP SPLICE METHOD WITH AT LEAST 2" CLEARANCE BETWEEN BARS.

2.23 SELECT FILL/ ENGINEERED FILL TO BE SHALL HAVE 95% COMPACTED NATIVE SOIL AND/ OR SELECT FILL/ ENGINEERED FILL UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT RECOMMENDATIONS. IF THESE GUIDELINES CONFLICT WITH THE GEO-TECHNICAL REPORT AND/ OR BMX TRACK DESIGNER PLANS/ SPECIFICATIONS, THE CONTRACTOR TO FOLLOW THE MORE STRINGENT OF THE TWO GUIDELINES DEFINED AS THE GEOTECHNICAL REPORT.

BMX TRACK- SITE AND GENERAL NOTES

1. THE BMX TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL GRADES, LINES, AND MEASUREMENTS NECESSARY TO THE PROPER PERFORMANCE AND CONTROL OF THE WORK.
2. THE BMX TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING OR CUTTING AS NECESSARY TO ENSURE THAT ALL PORTIONS OF THE SITE DRAIN.
3. BMX TRACK CONTRACTOR SHALL VERIFY ALL EXISTING GRADES AND SITE CONDITIONS BY FIELD INSPECTION BEFORE SUBMITTING A BID.
4. ALL OBJECTIONABLE MATERIALS DISCOVERED IN THE SOIL DURING THE GRADING PROCESS SHALL BE REMOVED FROM THE SITE BY BMX TRACK BMX TRACK CONTRACTOR.
5. ANY DAMAGE TO THE EXISTING STREET PAVING, CURBS OR OTHER EXISTING ELEMENTS SHALL BE REPAIRED AT BMX TRACK CONTRACTOR'S EXPENSE.
6. BMX TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR SHOOTING ALL SPOT ELEVATIONS NECESSARY TO CONSTRUCT THE BMX TRACK PROJECT.
7. SOIL SHALL NOT CONTAIN ROCKS 2' OR LARGER IN ANY DIMENSION. THE FINISH GRADE (TOP 6" OF DEPTH) SHALL NOT CONTAIN ANY ROCKS LARGER THAN THREE-EIGHTHS (3/8") IN DIAMETER.
8. HORIZONTAL CONTROL POINTS ARE FOR POSITIONING POINTS AND DIMENSION CLARIFICATION ONLY.
9. TREES SHALL NOT BE REMOVED WITHOUT THE SPECIFIC CONSENT OF THE OWNER'S PROJECT REPRESENTATIVE. BMX TRACK CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING TREES REMOVED WITHOUT RECEIVING PROPER APPROVAL.
10. BMX TRACK CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF TREE'S, SHRUBS AND OTHER PLANT MATERIAL WITHIN THE LIMITS OF THE WORK TO REMAIN. ANY PLANTING MATERIAL DAMAGED TO AND FROM PROJECT SITE PATH WILL BE AT THE EXPENSE OF BMX TRACK CONTRACTOR WITH "AS-EQUAL" MATERIAL.
11. BMX TRACK CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND PAYING ALL PERMITS AND INSPECTIONS FROM ALL JURISDICTIONAL AGENCIES AND CORPORATIONS. BMX TRACK CONTRACTOR WILL BE REQUIRED TO PAY ALL PERMIT FEE'S UNLESS OTHERWISE NOTED.
12. BMX TRACK CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, DRAIN PIPES, DRAINAGE DITCHES, DRIVEWAYS, LANDSCAPING, EXISTING GRADE ELEVATIONS.
13. THE BMX TRACK CONTRACTOR IS RESPONSIBLE FOR PLACEMENT OF ALL SLEEVES UNDER CONCRETE PAVING AS INDICATED ON THE PLANS.
14. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION, BMX TRACK CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION.
15. DISCREPANCIES IF ANY, SHOULD BE BROUGHT TO THE ATTENTION OF THE BMX TRACK DESIGNER BEFORE WORK COMMENCES.
16. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES (FEDERAL, STATE, LOCAL, AND HEALTH DEPARTMENTS), EXCEPT WHERE REQUIREMENTS OF CONTRACT DOCUMENTS ARE MORE STRINGENT.
17. NO DESIGN MODIFICATIONS SHALL BE MADE WITHOUT THE OWNER'S AND/ OR BMX TRACK DESIGNER APPROVAL.

BMX TRACK- SITE- GRADING & DRAINAGE

1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY BMX TRACK CONTRACTOR IN THE FIELD.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
6. REFER TO SECTIONS, DETAILS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
7. ALL FINE GRADING OF EARTH/WORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. BMX TRACK CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY THE BMX TRACK DESIGNER.
8. BMX TRACK CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

BMX TRACK- SITE- SURVEY NOTES

1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE/ PROJECT GENERAL CONTRACTOR IMMEDIATELY BEFORE PROCEEDING WITH WORK.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNER'S REPRESENTATIVES AND BMX RACE TRACK DESIGNER.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.

EXISTING CONDITIONS & DEMOLITION

1. ALL MATERIAL "TO REMAIN" SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIALS "TO BE REMOVED" SHALL BE TAKEN FROM THE SITE AND DISPOSED OF PROPERLY.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE JOB SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS THAT COULD AFFECT THE INSTALLATION OF ANY WORK SET FORTH IN THESE PLANS PRIOR TO SUBMITTING A BID.
4. THE BMX TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ANY UTILITIES THAT MAY BE NEEDED OR AVOIDED IN THE DEMOLITION PHASE IN ADVANCE OF ANY CONSTRUCTION. BMX TRACK DESIGNER DOES NOT GUARANTEE ANY LOCATIONS REFERENCED.
5. THE BMX TRACK CONTRACTOR SHALL CONTACT ALL UTILITY ENTITIES AND OWNER FOR EXISTING LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. THE BMX TRACK CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS NECESSARY DURING CONSTRUCTION.
7. THE BMX TRACK CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.



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MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK

SHEET TITLE

GENERAL BMX
TRACK NOTES

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
2.	75% CD's	9-15-2023
3.	100% CD's	11-15-2023
4.	BID SET	12-15-2023
5.	--	--
6.	--	--
7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537

CONSULTANT PROJECT #: --

SHEET NUMBER

BT-001

SHEET 18 OF 47

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**MCKINLEYVILLE
COMMUNITY
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DISTRICT**

PROJECT

**BMX TRACK AND
PARK**

SHEET TITLE

**MATERIAL
REFERENCE
PLAN**

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
2.	75% CD's	9-15-2023
3.	100% CD's	11-15-2023
4.	BID SET	12-15-2023
5.	--	--
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PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-101

SHEET 19 OF 47

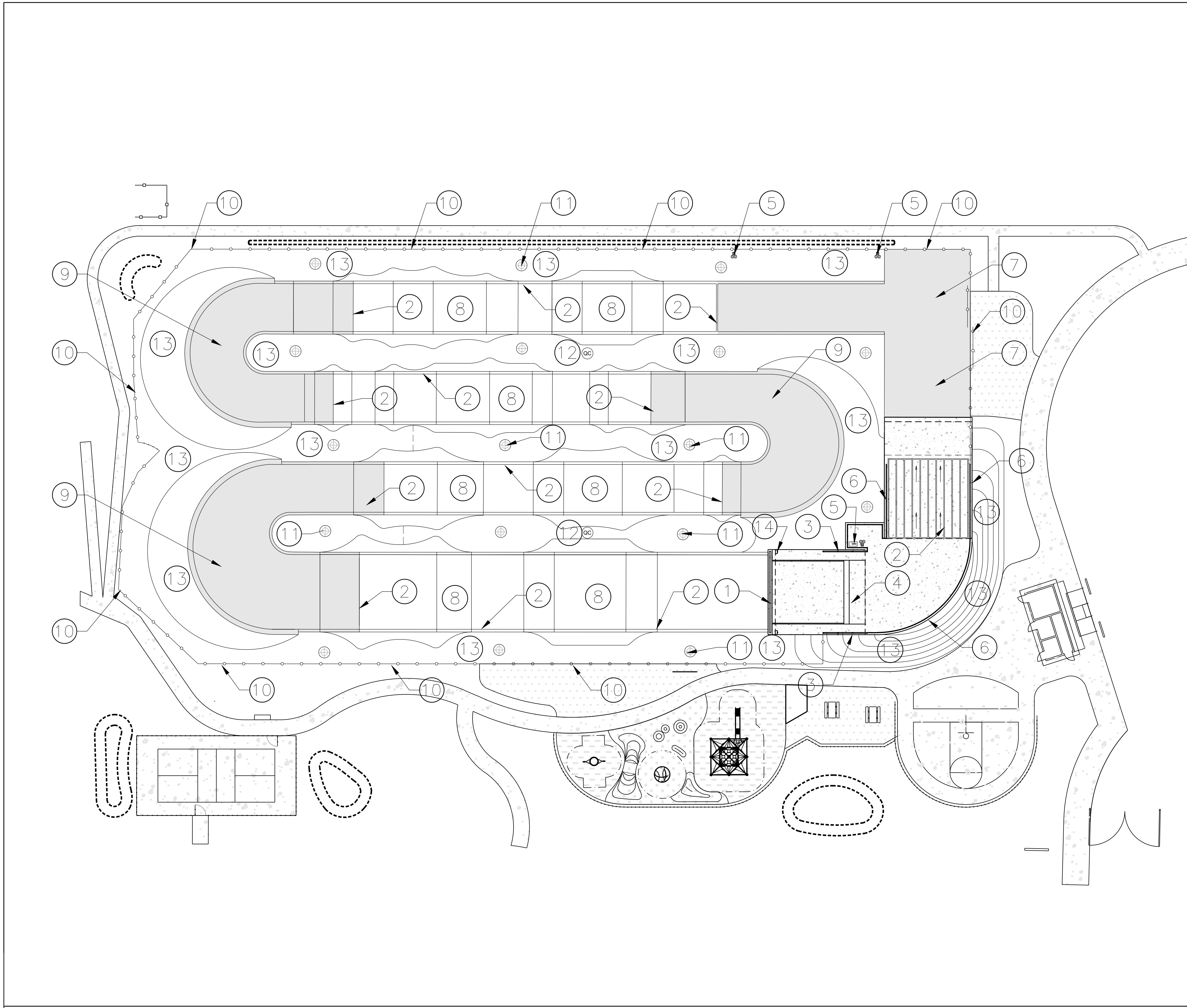
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BMX RACETRACK KEY LEGEND

- ① CHANNEL DRAIN
REFER TO DETAIL: 1-BT-7.01
- ② 4" WHITE STRIPE
ACRYLOTEX SPORT COURT OR EQUAL
- ③ BARRIER BOARDS
REFER TO DETAIL: 6-9-BT-7.02
- ④ CONTES GATE SYSTEM
REFER TO DETAILS: 1-3-BT-7.07
- ⑤ EXTERIOR DUPLEX OUTLET BOX (BY G.C.)
120V-20AMP-GFCI-REFER TO ELEC. SHEETS
- ⑥ CHAIN LINK PANELS-SURFACE MOUNT
REFER TO DETAIL: 3-BT-7.05
- ⑦ ASPHALT COOL OFF PAVING
REFER TO DETAIL: 5-BT-7.02
- ⑧ TRACK CLAY SURFACE-SLURRY MIX
REFER TO DETAILS: 3-4-BT 7.01
- ⑨ ASPHALT BERM SURFACING-BID ALT 1
REFER TO DETAILS: 5-6-BT 7.01
- ⑩ BMX TRACK CONTRACTOR LIMIT OF WORK LINE.
GENERAL CONTRACTOR INSTALLED CHAIN LINK
FENCE LINE.
- ⑪ 12"X12" STORM DRAIN INLET, TYP. REFER TO
NOTES ON DETAIL FOR COORDINATION.
REFER TO DETAIL: 2-BT 7.01
- ⑫ IRRIGATION QUICK COUPLERS/ BOXES, TYP.
REFER TO IRRIGATION SHEETS. GENERAL
CONTRACTOR INSTALLED AND SUPPLIED. BMX
TRACK BUILDER TO COORDINATE FINAL GRADE
INSTALLATION OF BOX HEIGHTS WITH GENERAL
CONTRACTOR.
- ⑬ BMX TRACK BUILDER TO PROVIDE FINAL
DRAINAGE GRADES, SWALES, INLET PLACEMENT
(INLET PROVIDED BY GENERAL CONTRACTOR.
WHEN TRACK COMPLETED BMX TRACK BUILDER
TO INFORM GENERAL CONTRACTOR WHEN READY
FOR GRASS SEEDING (GRASS BY G.C.).
REFER TO LANDSCAPE SHEETS FOR GRASS
LOCATION AND SEED TYPE.
- ⑭ START GATE LIGHT - REFER TO DETAIL: 1,2-BT 7.03

BMX RACETRACK NOTES

- BMX TRACK CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE BMX TRACK DESIGNER FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.



MATERIAL REFERENCE PLAN

SCALE
1" = 20'-0"

FILE NAME: C:\Users\mitch\actionportsdesign.com\PROJECTS - Documents\CA-Mckinleyville-Mckinleyville BMX Track-022-0208-00-04-Construction Documents\Sheet Files\BT-01-02-MATERIALS PLAN.dwg

PLOT DATE: February 15, 2024 - 5:06 PM

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DISTRICT**

PROJECT

**BMX TRACK AND
PARK**

SHEET TITLE

**SURFACE
GRADING AND
DRAINAGE**

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
2.	75% CD's	9-15-2023
3.	100% CD's	11-15-2023
4.	BID SET	12-15-2023
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7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-2.01

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NOTE:

BMX TRACK DATUM IS LAID OUT IN REAL WORLD COORDINATES. REFER TO BT-3.01 AND BT-3.02 FOR LAYOUT COORDINATES.

GRADING AND UTILITY LEGEND

- *000.00 SPOT GRADE - TRACK FINISH GRADE
- *HP 000.00 HIGH POINT
- BL BREAK LINE
- FL FLOW LINE
- BMX TRACK DRAINAGE FLOW ARROW
- CHANNEL DRAIN - REFER TO DETAIL: 1-BT 7.01
- 12" DRAIN INLET - REFER TO DETAIL: 2-BT 7.01

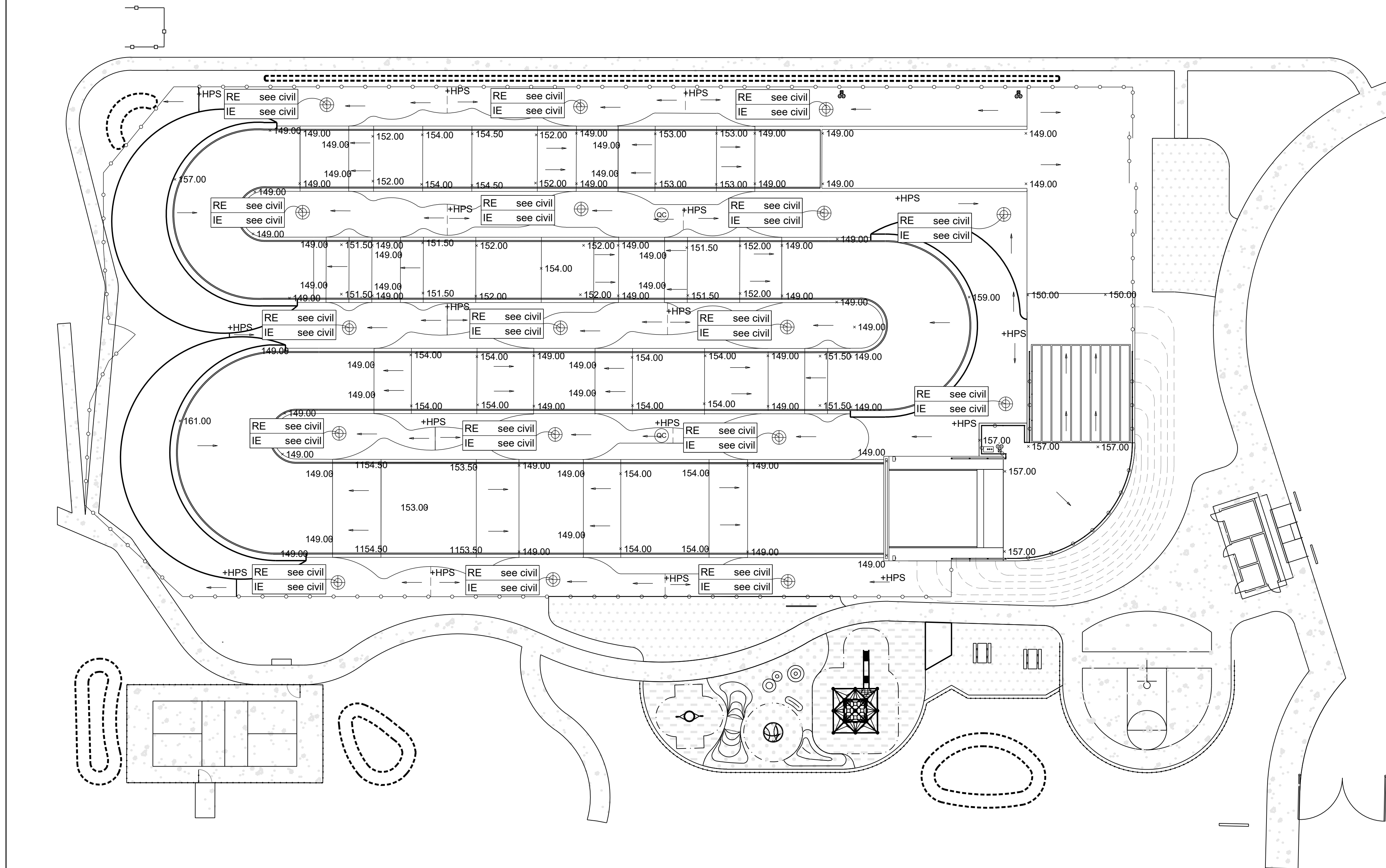
GRADING AND UTILITY NOTES

- THE BMX TRACK CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER'S REPRESENTATIVE AS PART OF THE BID. CLAIMS FOR ADDITIONAL REMOVALS AND/OR INSTALLATION OF MATERIALS BASED ON DISCREPANCIES WITH EXISTING CONDITIONS OF SURVEY WILL NOT BE CONSIDERED.
- PROTECT AND MAINTAIN EXISTING ON-SITE DRAINAGE STRUCTURES AND PIPES UNLESS OTHERWISE NOTED.
- WHERE PROPOSED GRADES MEET EXISTING GRADES, BMX TRACK CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
- BMX TRACK CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND TRACK SURFACES TO DRAINAGE WITHIN THE TRACK AREA.
- BMX TRACK CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.

- Drain lines will be installed prior to track construction by General Contractor. See Civil for drain line locations within the track.
- General Contractor to provide Catch Basins, Tie-in couplings, 12" Cast Iron Inlet Grates for locations shown on the plans within the BMX Track area.
- BMX track builder to install catch basins at designated elevations shown on the construction documents Rim and Invert elevations (see civil sheets).

SCALE

1" = 20'-0"

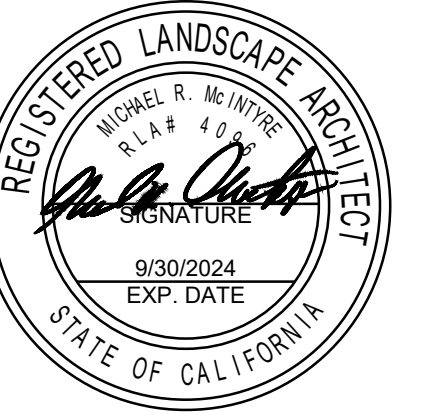


MATERIAL REFERENCE PLAN

FILE NAME: C:\Users\mitch\actionsportsdesign.com\PROJECTS - Documents\CA-Mckinleyville-Mckinleyville BMX Track-022-028-BP\04-Construction Documents\Sheet Files\BT-02.01-SURFACE GRADING AND DRAINAGE.rvt

PLOT DATE: February 22, 2024 - 8:25 AM

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MCKINLEYVILLE
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PROJECT

BMX TRACK AND
PARK

SHEET TITLE

LAYOUT
REFERENCE
PLAN

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
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PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

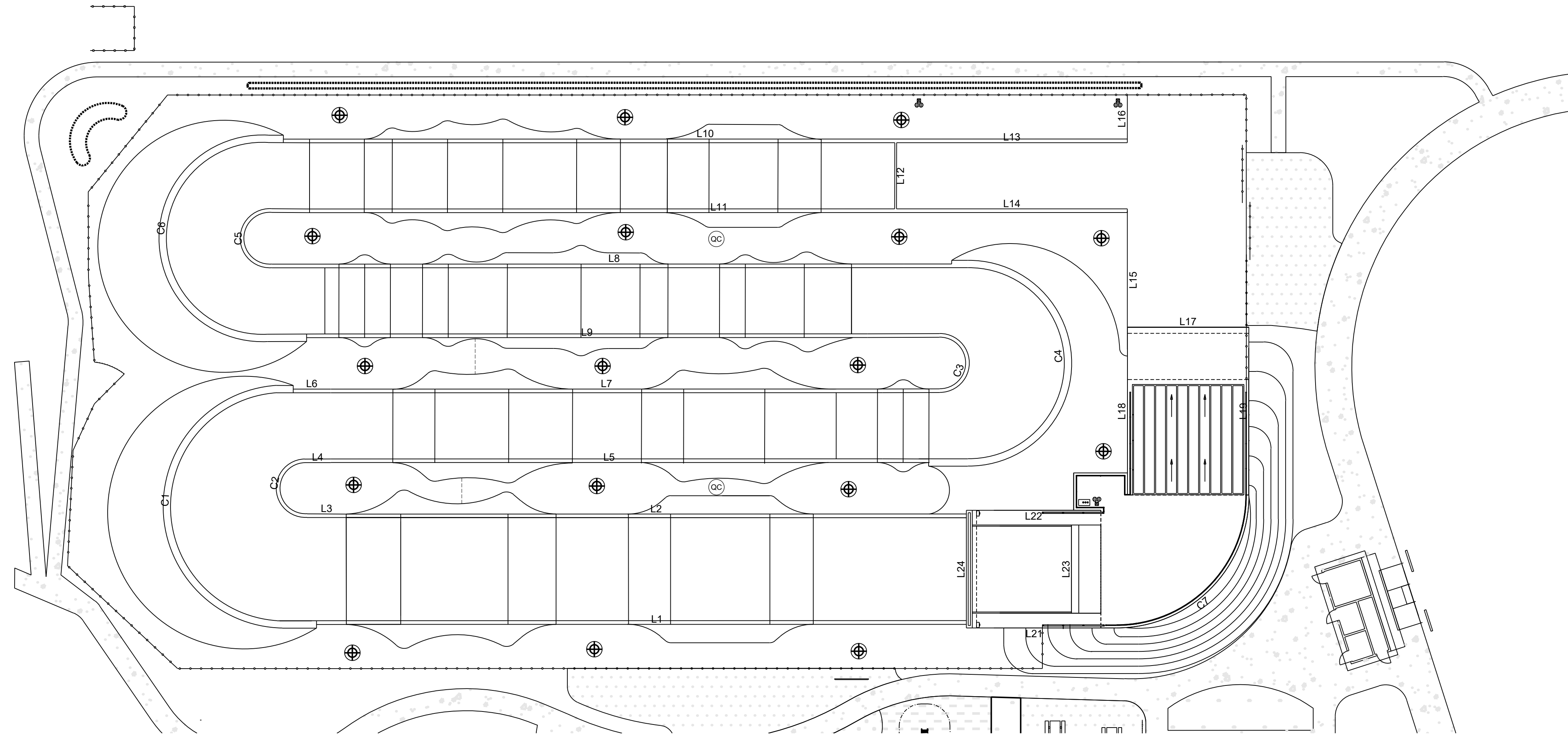
BT-3.01

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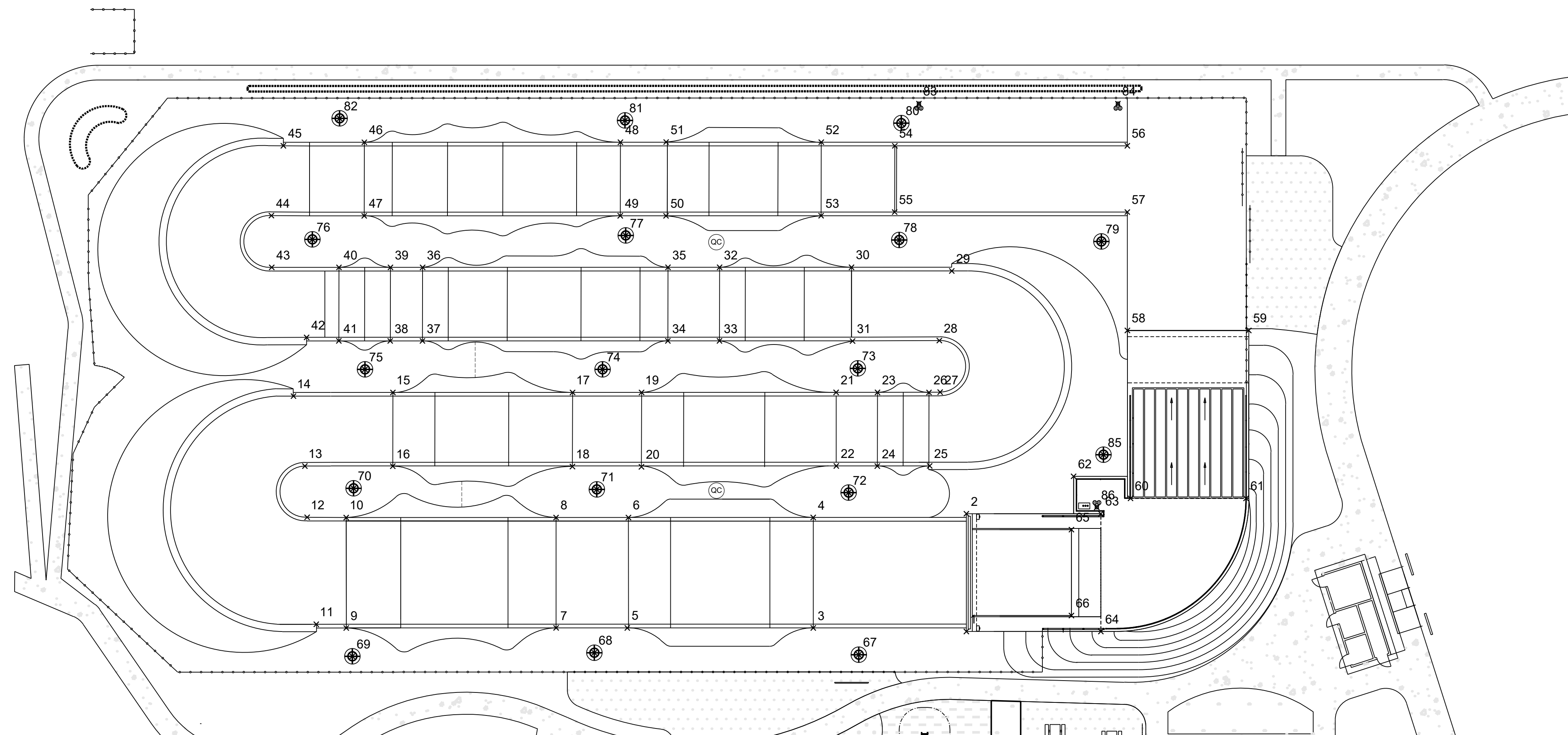
LAYOUT NOTES

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.



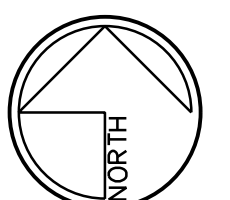
LAYOUT PLAN - LINE AND CURVE

SCALE
1" = 20'-0"



LAYOUT PLAN - POINTS

SCALE
1" = 20'-0"





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LICENSE



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MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK

SHEET TITLE

LAYOUT PLAN
TABLES

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
2.	75% CD's	9-15-2023
3.	100% CD's	11-15-2023
4.	BID SET	12-15-2023
5.	--	--
6.	--	--
7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-3.02

SHEET 22 OF 47

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LAYOUT NOTES

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.

Site Layout Point Table		
Point #	Northing	Easting
1	2230752.18	5979373.32
2	2230784.17	5979374.28
3	2230754.39	5979331.73
4	2230784.41	5979332.62
5	2230755.92	5979281.19
6	2230785.90	5979282.41
7	2230756.51	5979261.85
8	2230786.49	5979262.74
9	2230758.18	5979204.82
10	2230788.19	5979205.71
11	2230759.44	5979196.71
12	2230788.59	5979195.10
13	2230802.51	5979194.90
14	2230821.60	5979192.37
15	2230821.79	5979219.42
16	2230801.76	5979218.78
17	2230820.34	5979268.24
18	2230800.20	5979267.60
19	2230819.77	5979287.00
20	2230799.57	5979286.35

Site Layout Point Table		
Point #	Northing	Easting
21	2230818.21	5979339.87
22	2230798.22	5979339.33
23	2230817.87	5979351.11
24	2230797.85	5979350.47
25	2230797.46	5979364.69
26	2230817.43	5979365.10
27	2230817.42	5979368.14
28	2230831.43	5979368.34
29	2230850.25	5979372.29
30	2230852.07	5979345.07
31	2230832.01	5979344.75
32	2230853.13	5979309.23
33	2230833.14	5979308.59
34	2230833.56	5979294.56
35	2230853.55	5979295.20
36	2230855.54	5979228.51
37	2230835.55	5979227.87
38	2230835.81	5979219.10
39	2230855.80	5979219.77
40	2230856.21	5979205.78

Site Layout Point Table		
Point #	Northing	Easting
41	2230836.25	5979205.14
42	2230837.46	5979196.41
43	2230856.76	5979187.50
44	2230870.82	5979187.85
45	2230889.70	5979191.66
46	2230889.99	5979213.70
47	2230870.00	5979213.06
48	2230887.92	5979283.28
49	2230867.93	5979282.64
50	2230867.55	5979295.08
51	2230887.61	5979295.73
52	2230886.31	5979337.87
53	2230866.31	5979337.23
54	2230884.70	5979357.83
55	2230866.71	5979357.25
56	2230882.82	5979421.02
57	2230864.83	5979420.48
58	2230832.65	5979419.53
59	2230831.67	5979452.52
60	2230787.00	5979419.01

Line Table		
Line #	Length	Direction
L1	168.60	S88° 16' 57.85"E
L2	168.61	S88° 17' 41.71"E
L3	10.62	S87° 48' 55.73"E
L4	7.07	S88° 18' 55.07"E
L5	151.39	S88° 16' 43.54"E
L6	10.20	S88° 15' 12.45"E
L7	149.97	S88° 17' 41.70"E
L8	157.38	S88° 17' 41.06"E
L9	152.48	S88° 17' 41.53"E
L10	229.45	S88° 17' 41.65"E
L11	222.35	S88° 17' 41.14"E
L12	18.00	S01° 49' 44.60"W
L13	62.72	S88° 17' 41.65"E
L14	62.76	S88° 17' 41.65"E
L15	37.74	S01° 43' 02.15"W
L16	13.00	N01° 42' 16.17"E
L17	33.00	S88° 16' 57.85"E
L18	45.65	N01° 42' 21.79"E
L19	45.65	N01° 42' 24.09"E
L21	36.56	N88° 16' 57.85"W

Line Table		
Line #	Length	Direction
L22	36.56	N88° 16' 57.85"W
L23	24.00	N01° 43' 02.15"E
L24	32.00	N01° 43' 02.15"E

SITE LINES LAYOUT TABLES

Curve Table		
Curve #	Length	Radius
C1	93.42	31.08
C2	22.19	6.96
C3	22.19	7.01
C4	82.12	25.99
C5	23.17	7.05
C6	84.92	26.11
C7	56.55	36.00

SITE CURVES LAYOUT TABLE

Site Layout Point Table		
Point #	Northing	Easting
61	2230786.06	5979450.40
62	2230793.46	5979403.72
63	2230783.07	5979410.82
64	2230751.09	5979409.86
65	2230778.99	5979402.70
66	2230755.66	5979402.00
67	2230746.73	5979343.87
68	2230749.44	5979272.03
69	2230750.45	5979206.24
70	2230796.07	5979207.94
71	2230793.78	5979274.02
72	2230790.87	5979342.43
73	2230824.54	5979345.93
74	2230826.36	5979276.57
75	2230828.29	5979212.00
76	2230864.03	5979198.77
77	2230862.53	5979283.96
78	2230859.09	5979358.24
79	2230857.04	5979413.17
80	2230890.81	5979359.76

SITE POINTS LAYOUT TABLES

FILE NAME: C:\Users\Witch\Documents\PROJECTS - Documents\CA-McKinleyville-McKinleyville BMX Track-022-028.BP (J4 Construction Documents) (Sheet File)\BT-03.01-LAYOUT PLAN.dwg

PLOT DATE: February 15, 2024 - 5:08 PM

LICENSE



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MCKINLEYVILLE
COMMUNITY
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DISTRICT

PROJECT

BMX TRACK AND
PARK

SHEET TITLE

TRACK
SECTIONS -
PROFILES

DATES

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1.	30% CD's	7-14-2023
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6.	--	--
7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

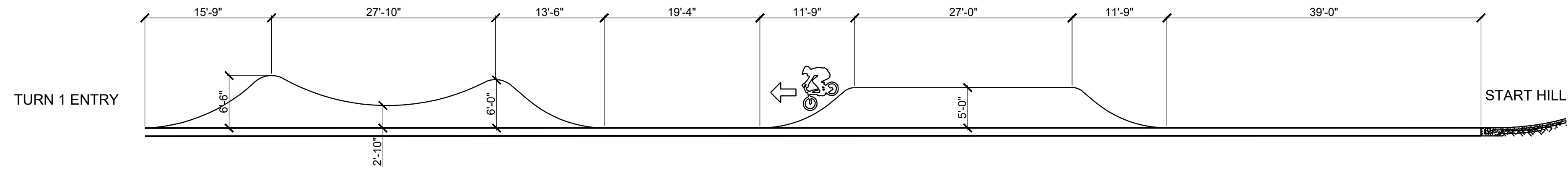
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-5.01

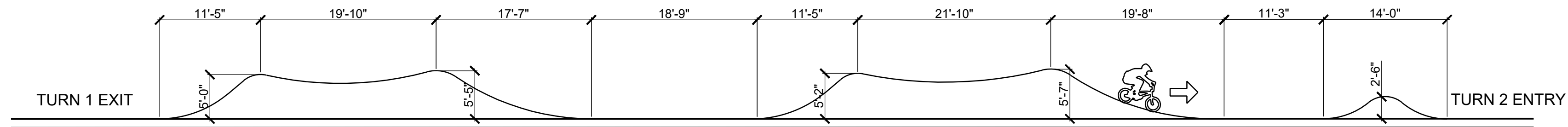
SHEET 23 OF 47

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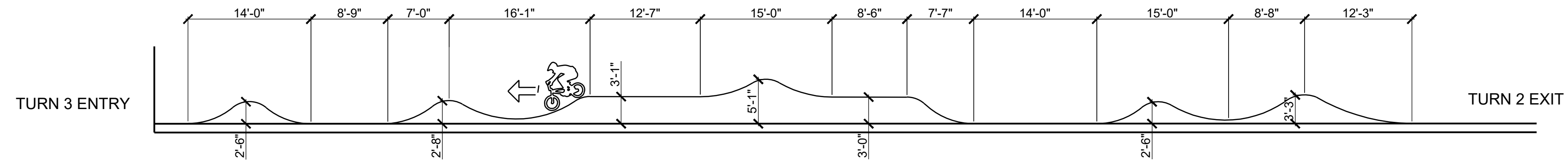
1 FIRST STRAIGHT-BOTTOM OF HILL TO TURN 1 (A1-A2)

SCALE
1"=10'-0"



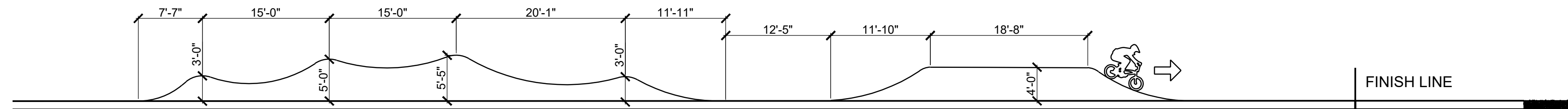
2 SECOND STRAIGHT-TURN 1 EXIT TO TURN 2 ENTRY (B1-B2)

SCALE
1"=10'-0"



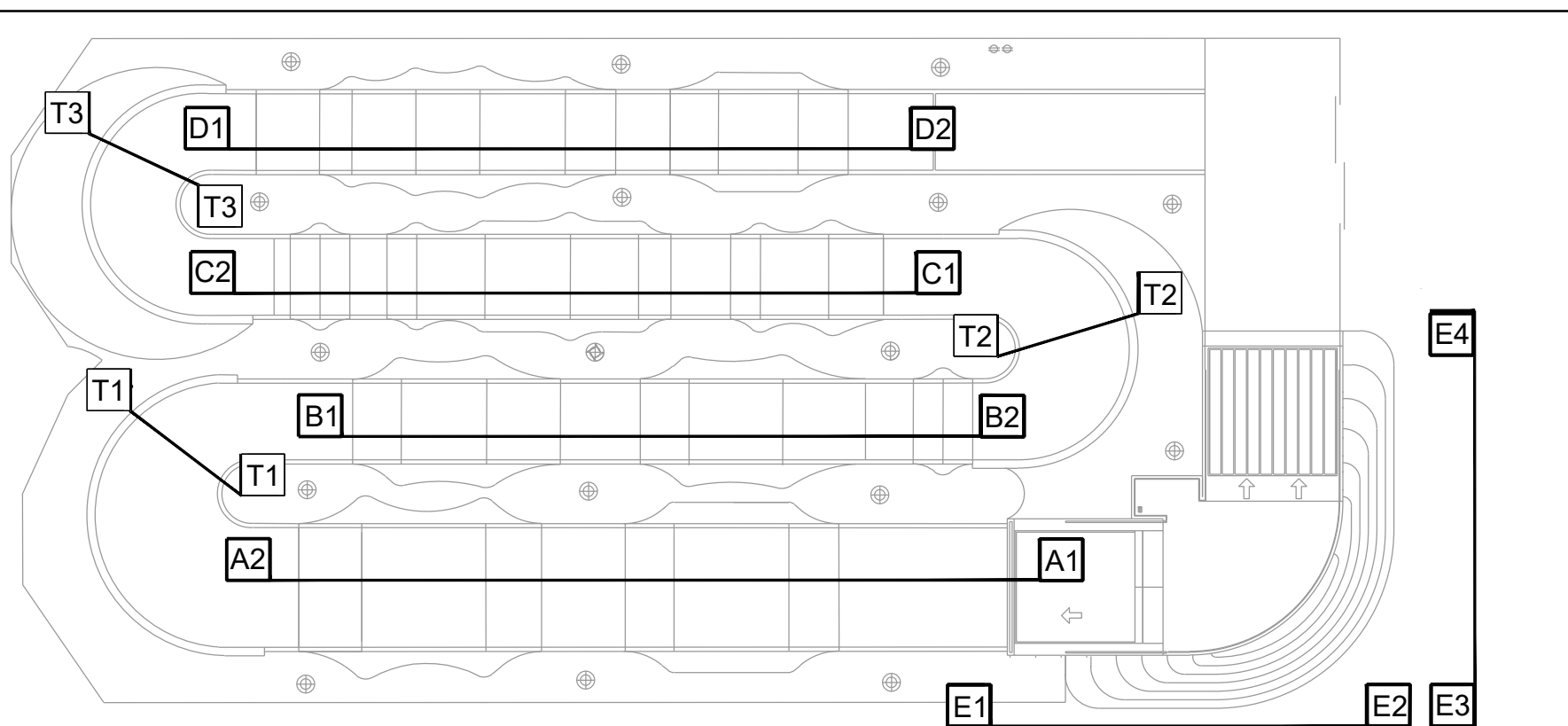
3 THIRD STRAIGHT-TURN 2 EXIT TO TURN 3 ENTRY (C1-C2)

SCALE
1"=10'-0"



4 FOURTH STRAIGHT-TURN 3 EXIT TO FINISH LINE (D1-D2)

SCALE
1"=10'-0"



TRACK PROFILE REFERENCE KEY

SCALE
1"=40'-0"

***NOTE: ALL TRACK RIDING PROFILES, SURFACES AND DIMENSIONS BY USA BMX AUTHORIZED BUILDER. TRACK DESIGNER TO APPROVE FINAL LAYOUT AND BUILD FOR PUBLIC USE.**

LICENSE



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DISTRICT**

PROJECT

**BMX TRACK AND
PARK**

SHEET TITLE

**TRACK
SECTIONS -
PROFILES**

DATES

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7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

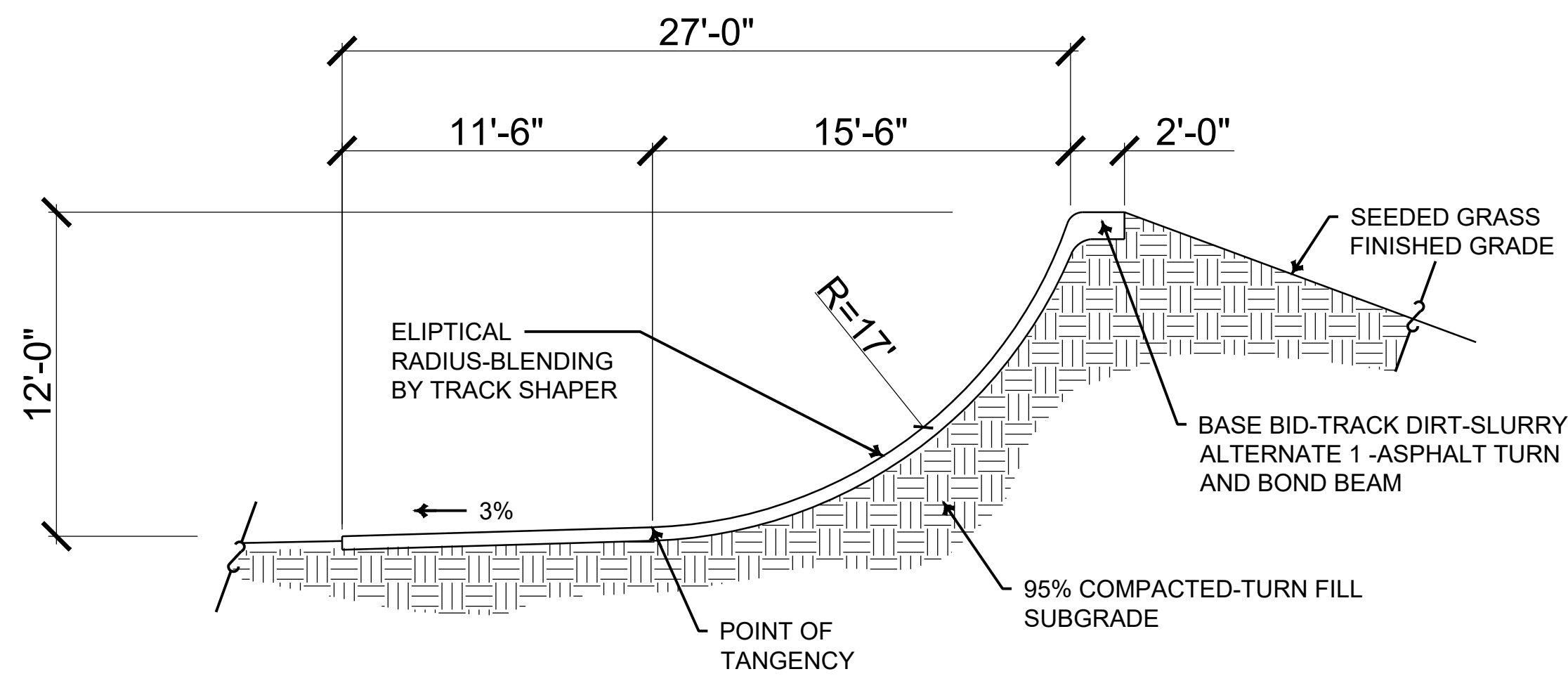
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CONSULTANT PROJECT #: --

SHEET NUMBER

BT-5.02

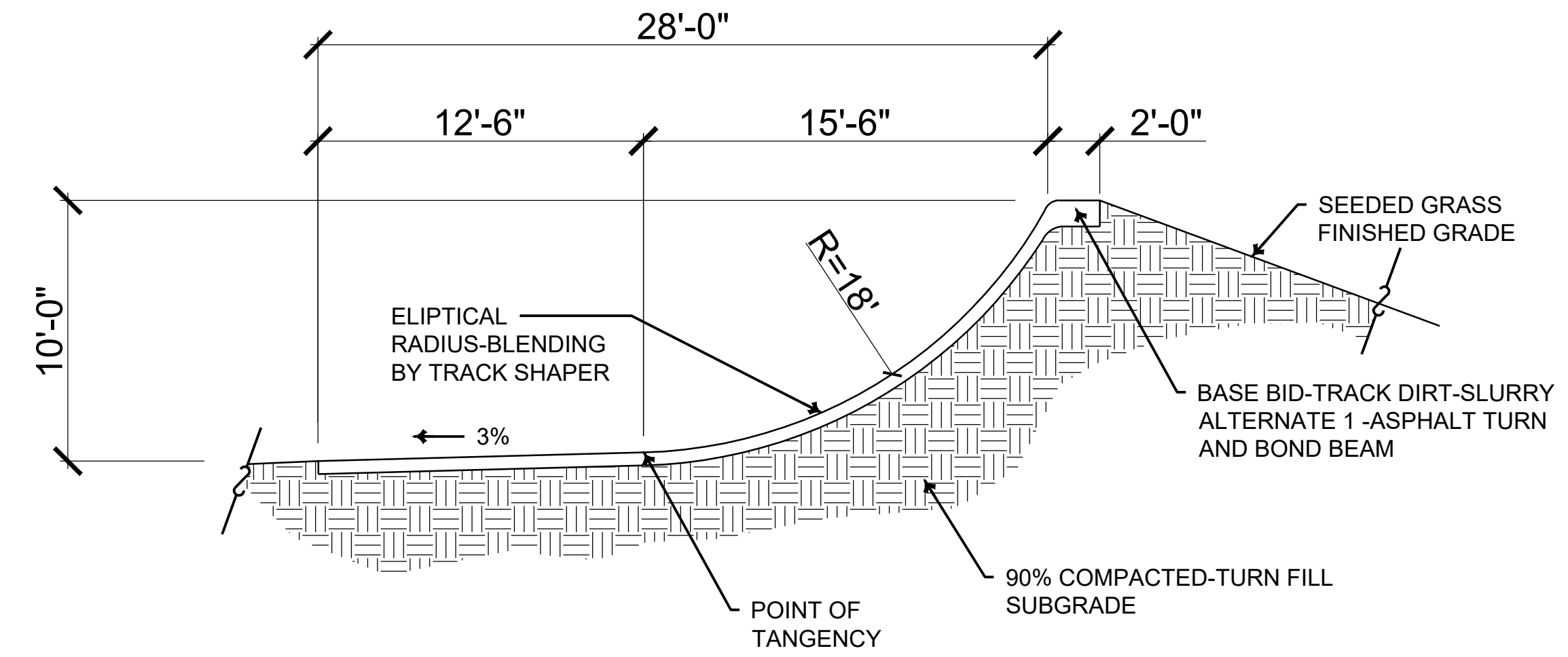
SHEET 24 OF 47

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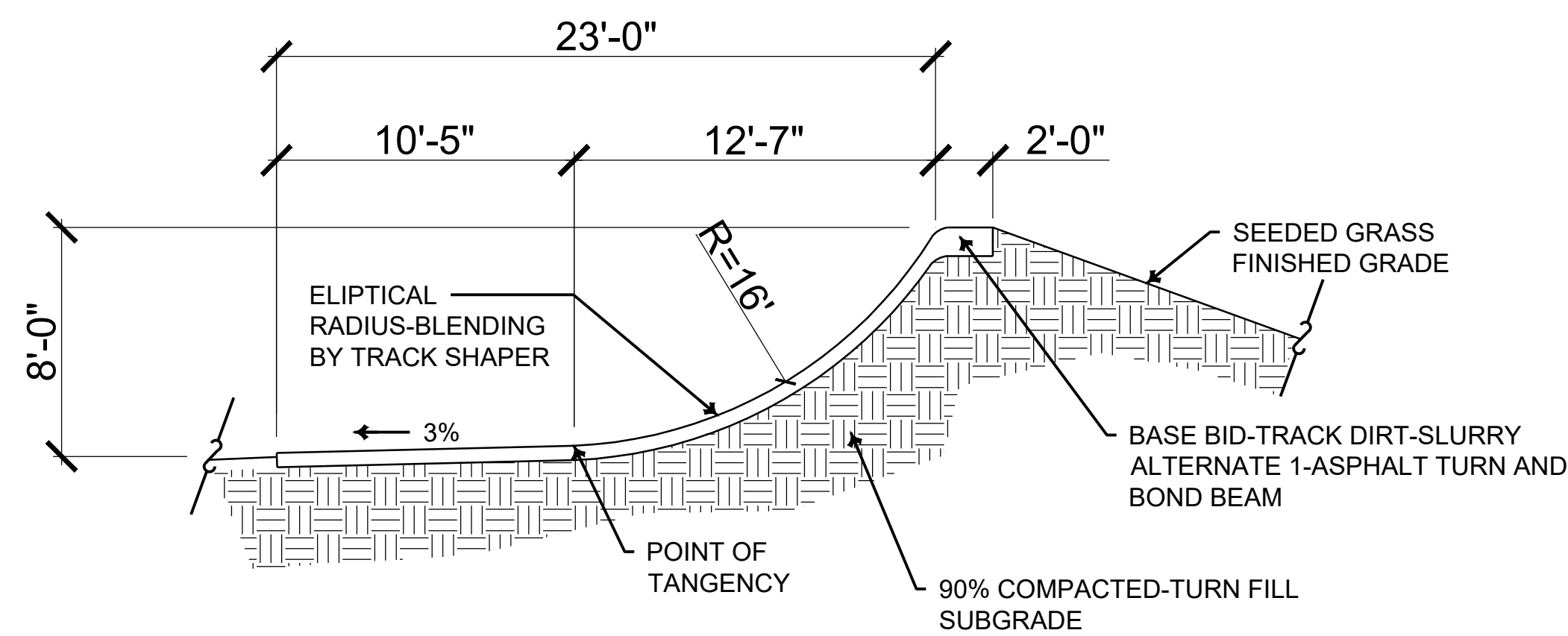
1 TURN 1 HIGH POINT PROFILE (T1)

SCALE
1"=5'-0"



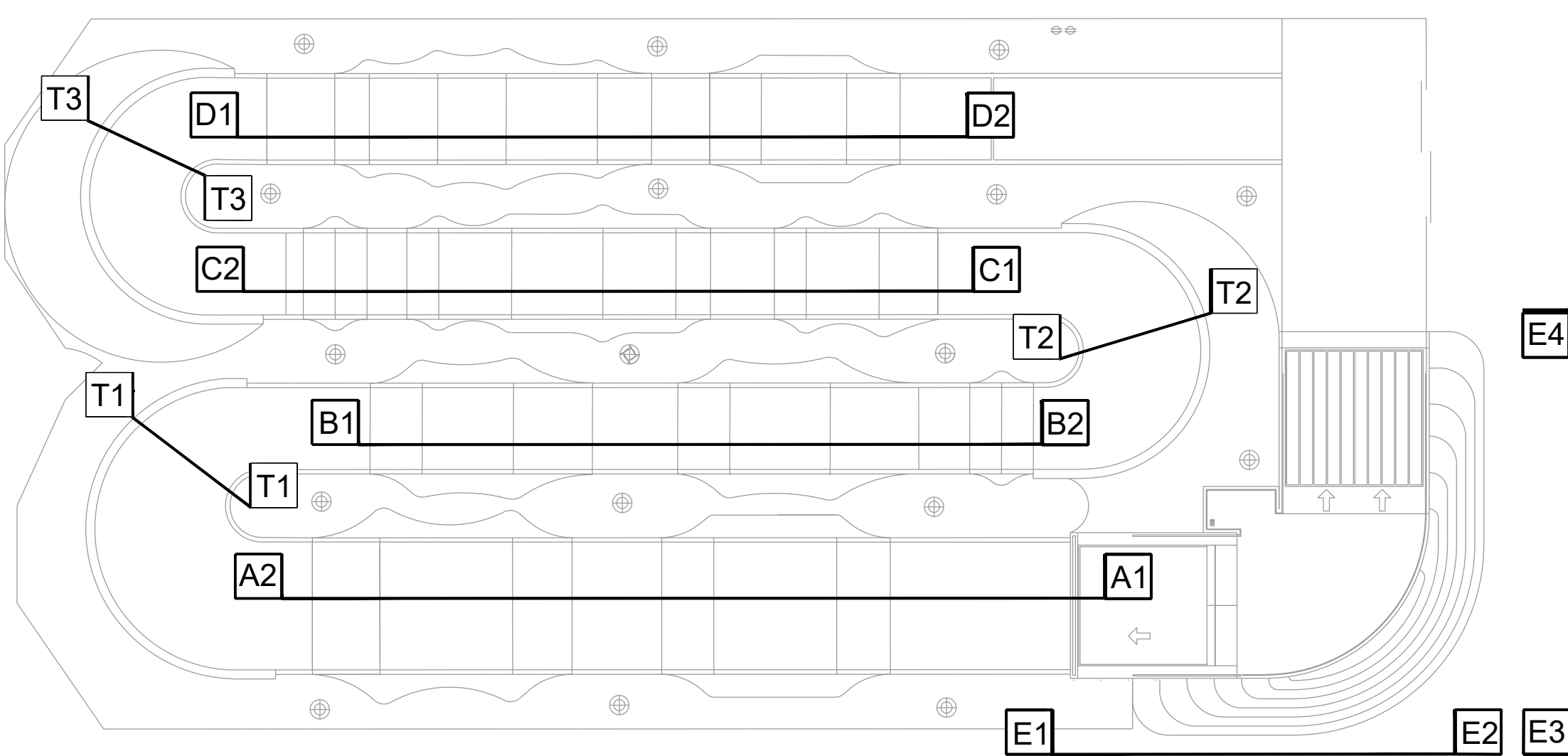
2 TURN 2 HIGH POINT PROFILE (T2)

SCALE
1"=5'-0"



3 TURN 3 HIGH POINT PROFILE (T3)

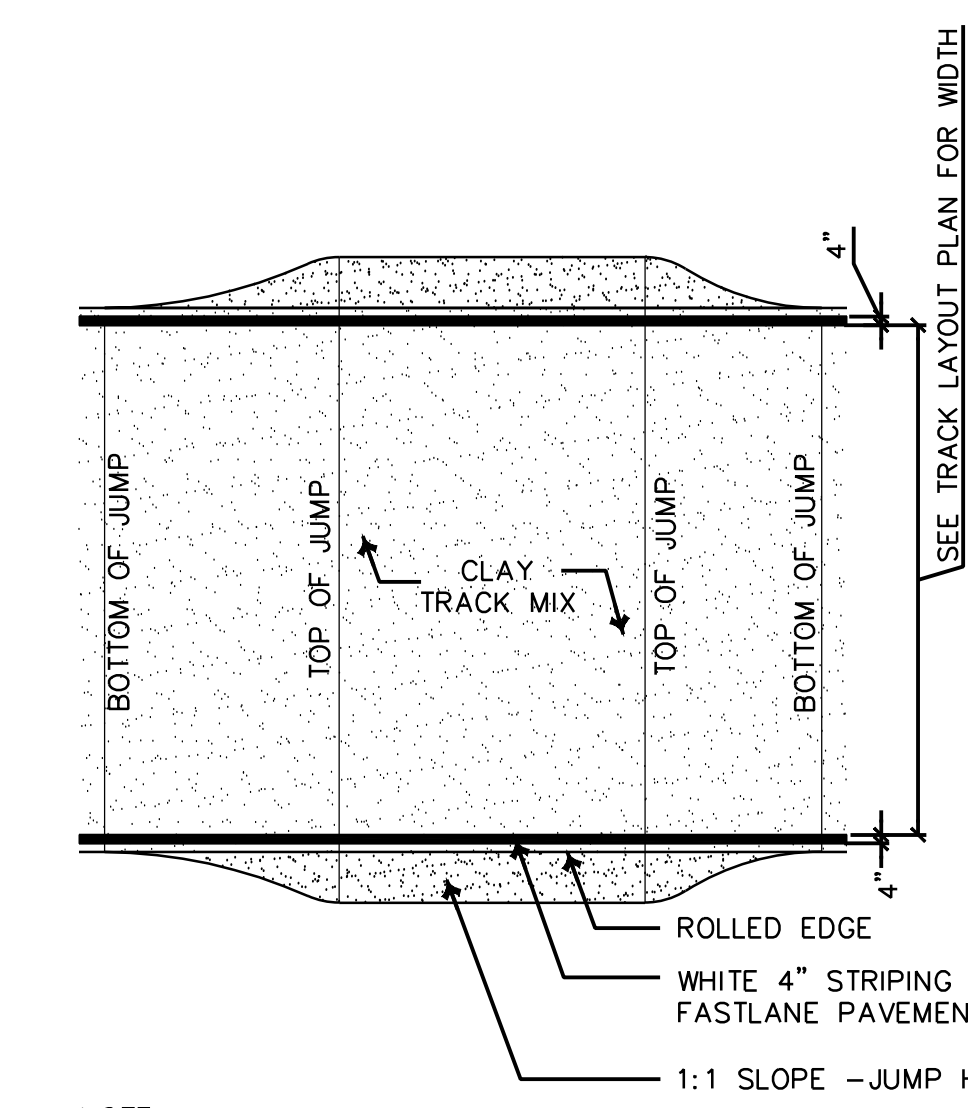
SCALE
1"=5'-0"



TRACK PROFILE REFERENCE KEY

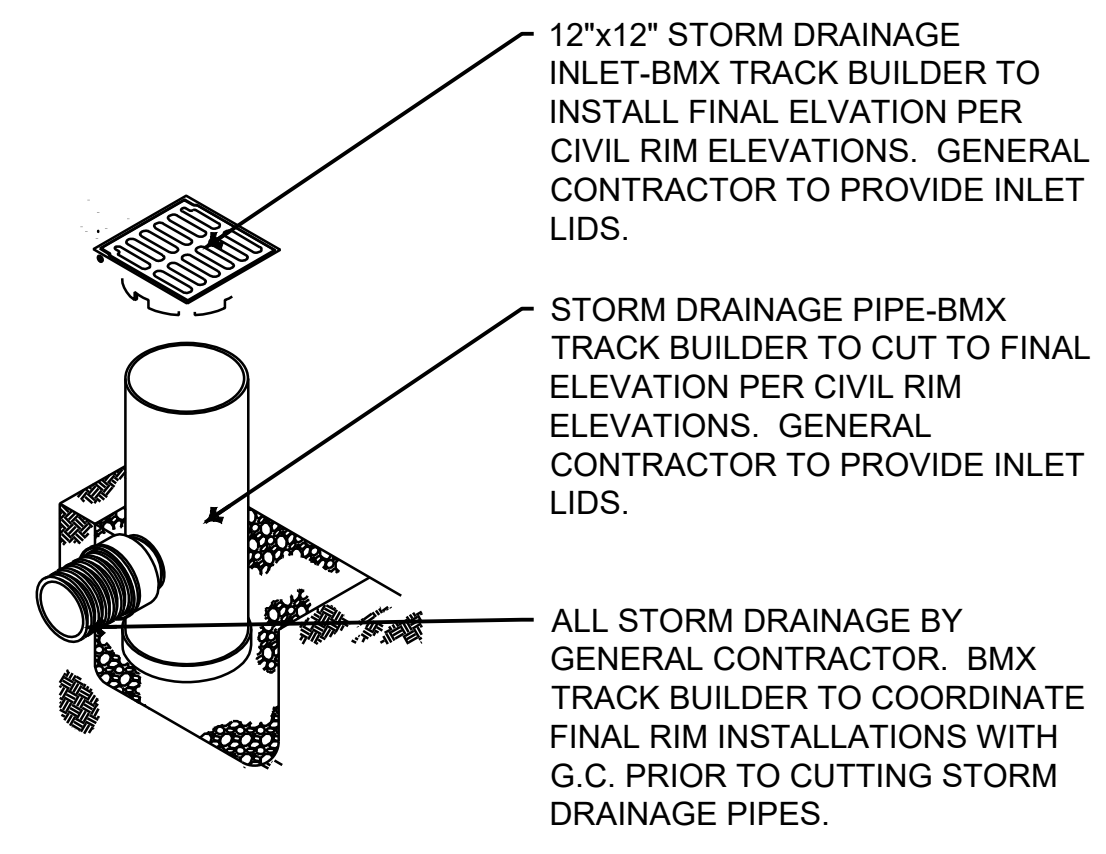
SCALE
1"=30'-0"

***NOTE: ALL TRACK RIDING PROFILES, SURFACES AND DIMENSIONS BY USA BMX AUTHORIZED BUILDER. TRACK DESIGNER TO APPROVE FINAL LAYOUT AND BUILD FOR PUBLIC USE.**



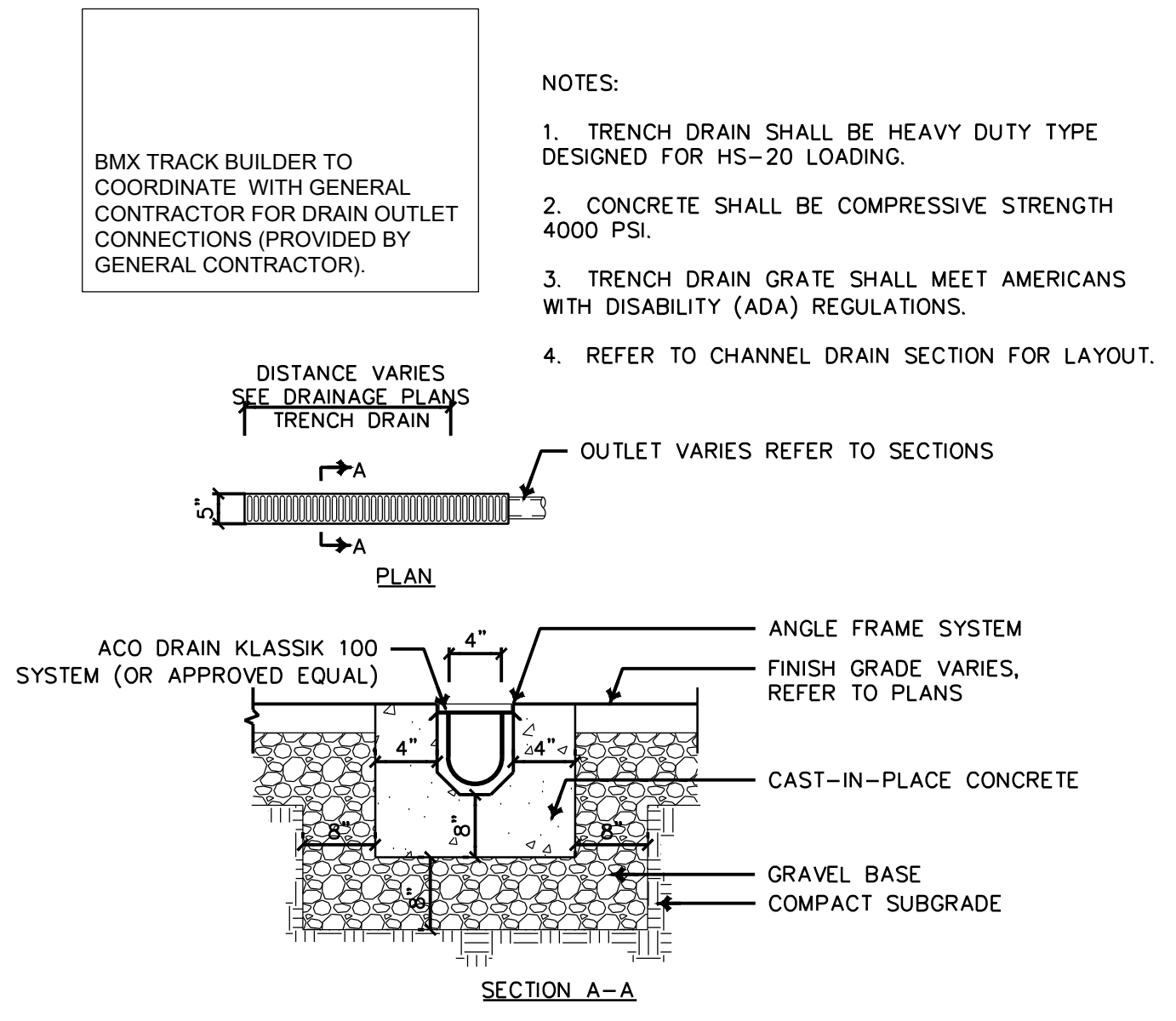
NOTE:
 - CONTRACTOR TO SUPPLY ADDITIONAL 10 GAL. PAVEMENT PARKING PAINT FOR FUTURE MAINTENANCE
 - 4" STRIPING AT BOTTOM OF ALL LANDINGS ENTERING TURNS
 - 4" STRIPING ON CREST OF ALL JUMP LIPS EXITING ALL TURNS

3 TRACK RIDING SURFACE-PROFILE SCALE N.T.S.



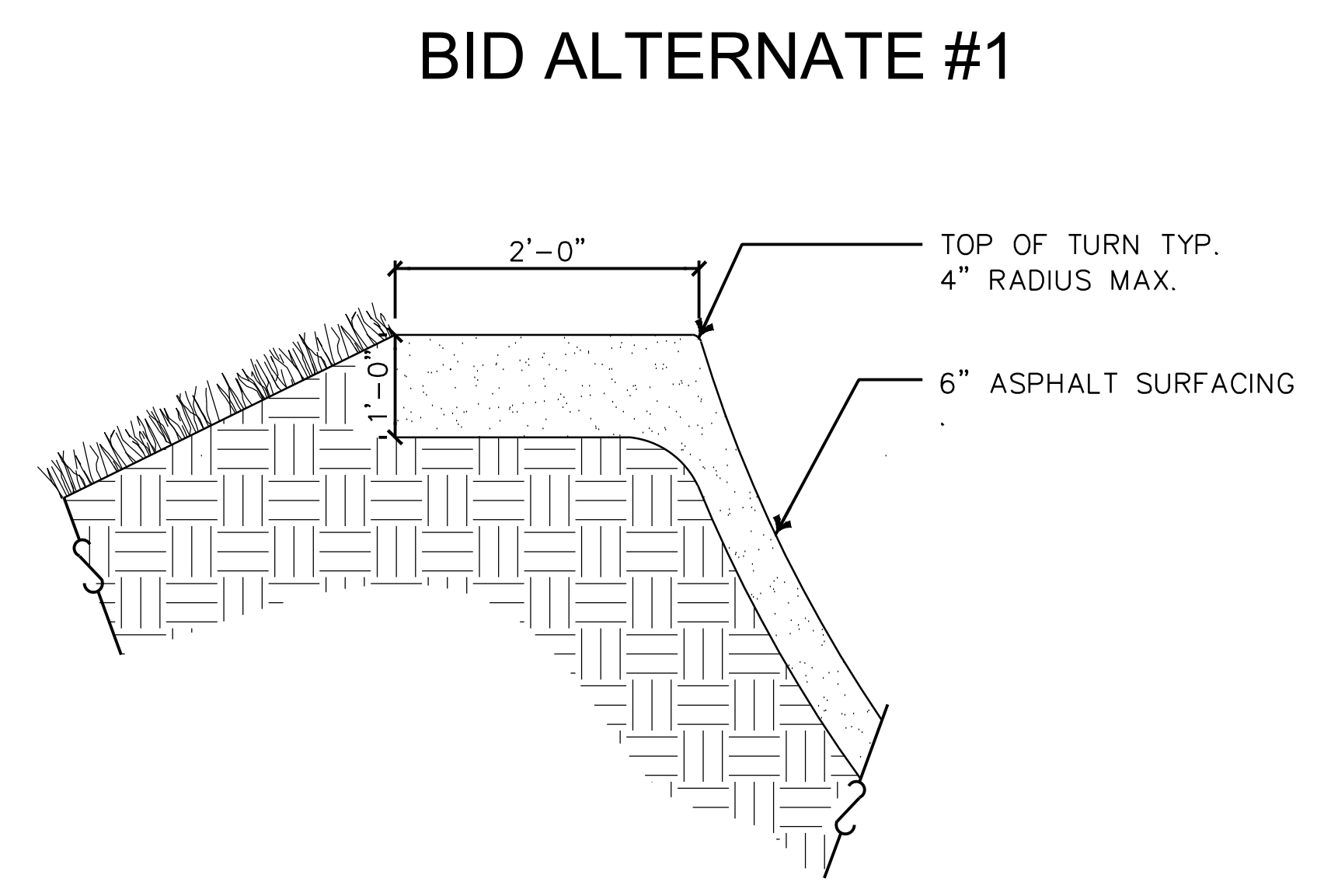
12"x12" STORM DRAINAGE INLET-BMX TRACK BUILDER TO INSTALL FINAL ELVATION PER CIVIL RIM ELEVATIONS. GENERAL CONTRACTOR TO PROVIDE INLET LIDS.
 STORM DRAINAGE PIPE-BMX TRACK BUILDER TO CUT TO FINAL ELEVATION PER CIVIL RIM ELEVATIONS. GENERAL CONTRACTOR TO PROVIDE INLET LIDS.
 ALL STORM DRAINAGE BY GENERAL CONTRACTOR. BMX TRACK BUILDER TO COORDINATE FINAL RIM INSTALLATIONS WITH G.C. PRIOR TO CUTTING STORM DRAINAGE PIPES.

2 12" DRAIN INLET-TRACK STRAIGHTS, TYP. SCALE N.T.S.

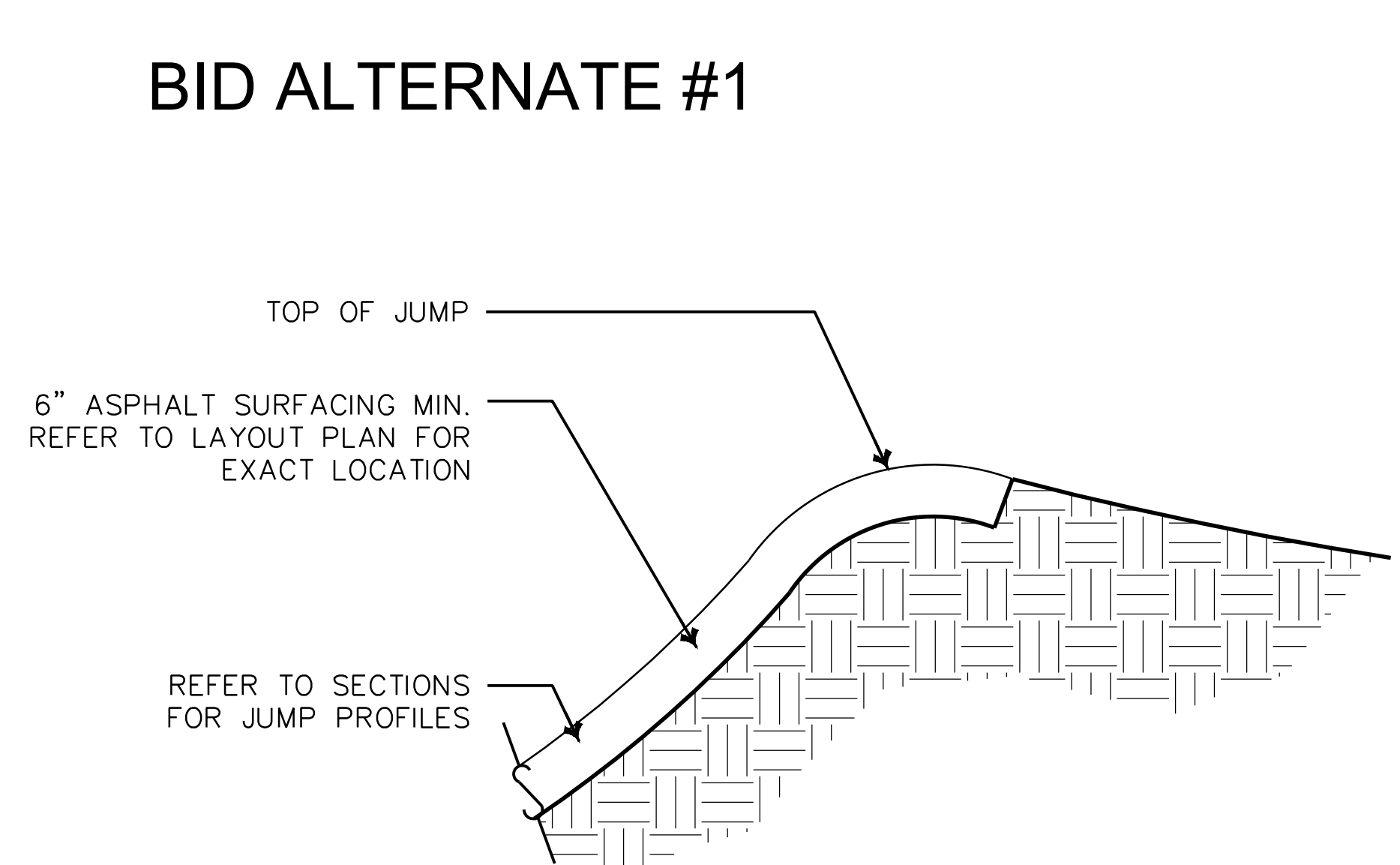


NOTES:
 1. TRENCH DRAIN SHALL BE HEAVY DUTY TYPE DESIGNED FOR HS-20 LOADING.
 2. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000 PSI.
 3. TRENCH DRAIN GRATE SHALL MEET AMERICANS WITH DISABILITY (ADA) REGULATIONS.
 4. REFER TO CHANNEL DRAIN SECTION FOR LAYOUT.

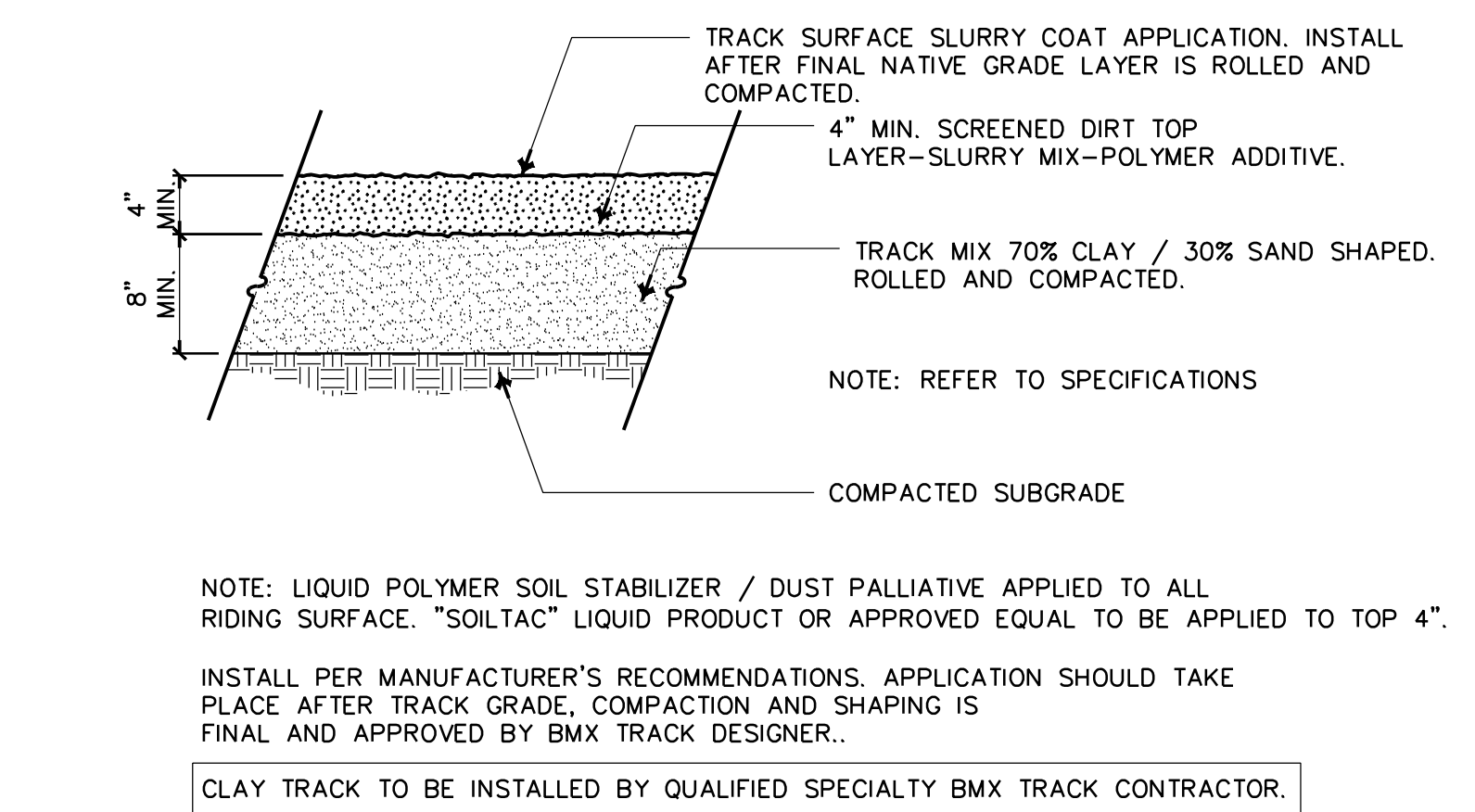
1 CHANNEL DRAIN @ START HILL BOTTOM SCALE N.T.S.



6 ASPHALT TURNS-BID ALT. 1 SCALE N.T.S.

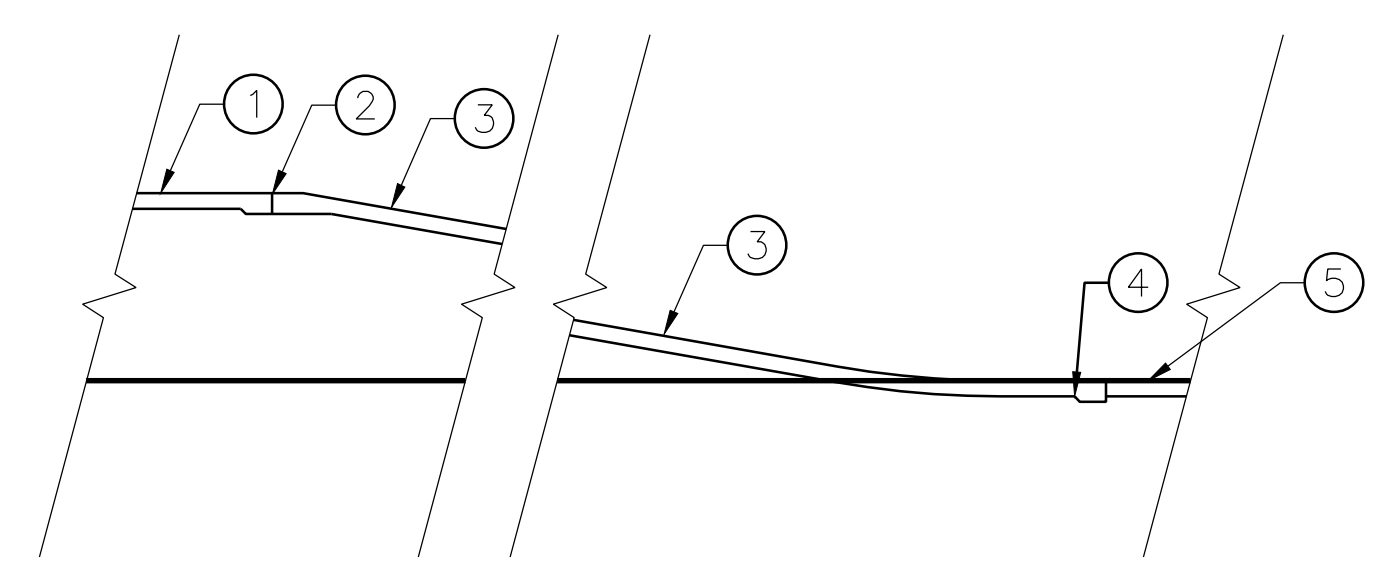


5 ASPHALT TO CLAY TRANSITION-BID ALT. 1 SCALE N.T.S.



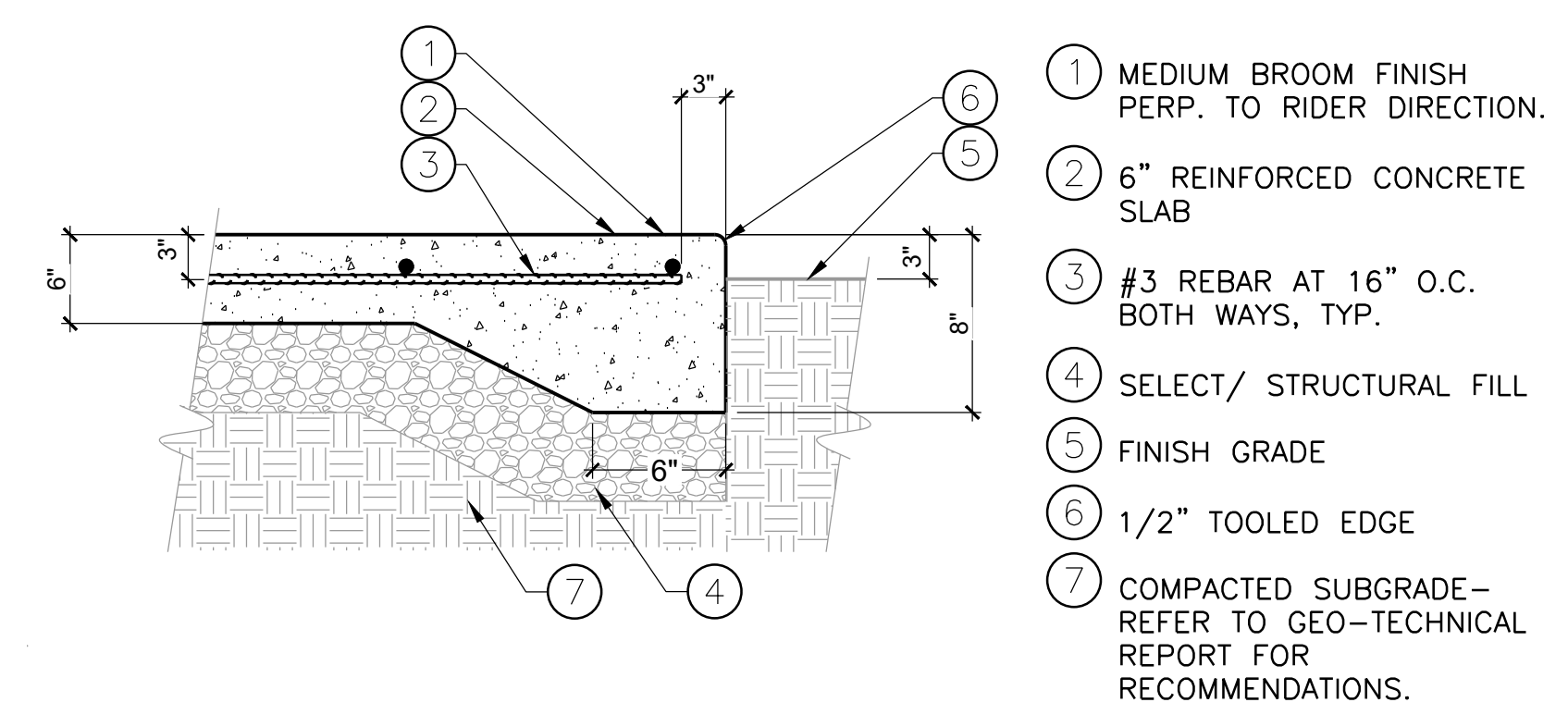
NOTE: LIQUID POLYMER SOIL STABILIZER / DUST PALLIATIVE APPLIED TO ALL RIDING SURFACE. "SOILTAC" LIQUID PRODUCT OR APPROVED EQUAL TO BE APPLIED TO TOP 4".
 INSTALL PER MANUFACTURER'S RECOMMENDATIONS. APPLICATION SHOULD TAKE PLACE AFTER TRACK GRADE, COMPACTION AND SHAPING IS FINAL AND APPROVED BY BMX TRACK DESIGNER.
 CLAY TRACK TO BE INSTALLED BY QUALIFIED SPECIALTY BMX TRACK CONTRACTOR.

4 TRACK RIDING SURFACE & STRIPING SCALE N.T.S.



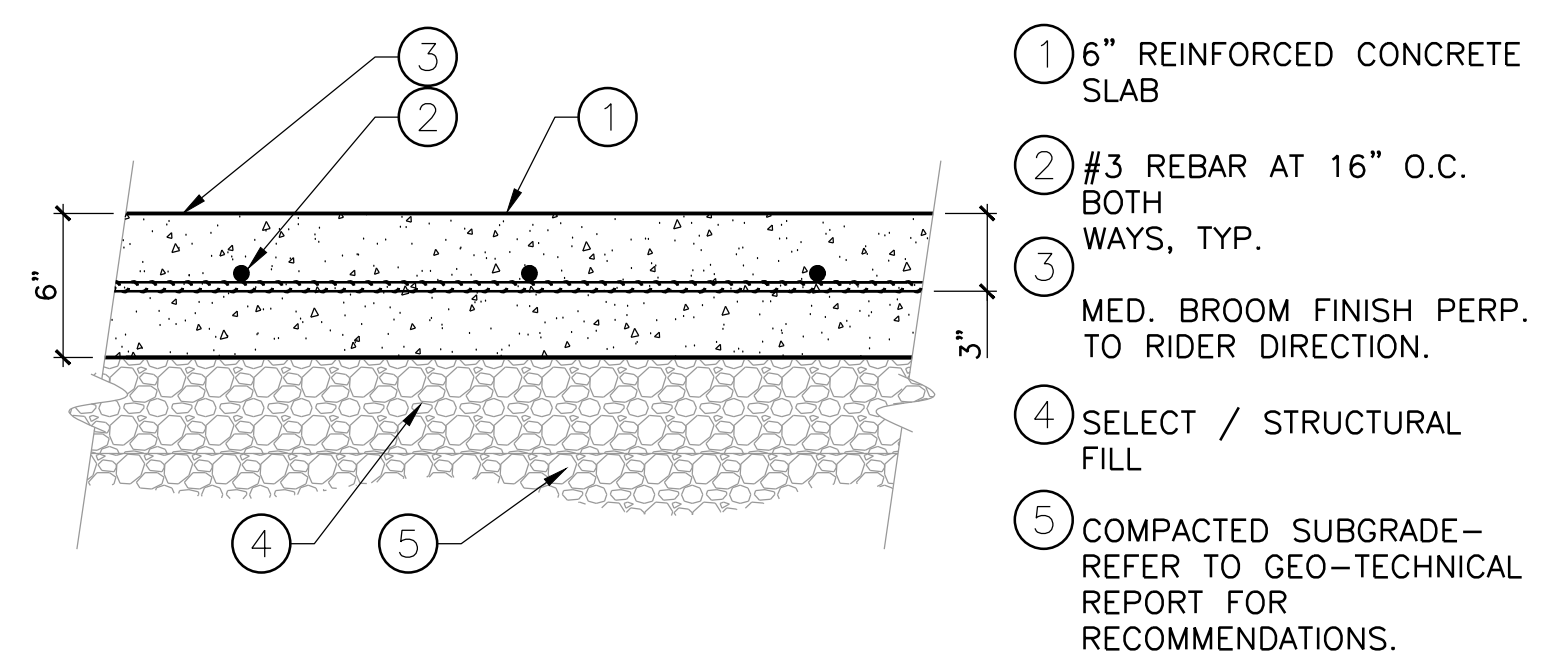
1 TOP OF DECK-CONCRETE REFER TO DETAIL: 7-8-BT 7.01
 2 CONSTRUCTION JOINT REFER TO DETAILS: 1-3-BT 7.02
 3 STAGING RAMP CONCRETE REFER TO DETAIL: 7-BT-7.01
 4 THICKENED EDGE CONCRETE REFER TO DETAILS: 8-BT-7.01
 5 ASPHALT COOL OFF PAVING REFER TO DETAIL: 5-BT-7.02

9 STAGING RAMP-START HILL-CONCRETE DECKING SCALE N.T.S.



1 MEDIUM BROOM FINISH PERP. TO RIDER DIRECTION.
 2 6" REINFORCED CONCRETE SLAB
 3 #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
 4 SELECT/ STRUCTURAL FILL
 5 FINISH GRADE
 6 1/2" TOOLED EDGE
 7 COMPACTED SUBGRADE-REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS.

8 THICKENED EDGE, TYP.-CONCRETE DECKING SCALE 1 1/2" = 1'-0"



1 6" REINFORCED CONCRETE SLAB
 2 #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
 3 MED. BROOM FINISH PERP. TO RIDER DIRECTION.
 4 SELECT / STRUCTURAL FILL
 5 COMPACTED SUBGRADE-REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS.

7 FLATWORK-CONCRETE DECKING SCALE 1 1/2" = 1'-0"

FILE NAME: C:\Users\Michael\OneDrive\Documents\PROJECTS - Documents\Ca-Mckinleyville-Mckinleyville-BMX Track-022-028-BP-04-Construction Documents\Sheet Plot 18107.01 18107.1 3-DETAILS.dwg
 PLOT DATE: February 15, 2024 - 5:10 PM

LICENSE



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MCKINLEYVILLE
COMMUNITY
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PROJECT

BMX TRACK AND
PARK

SHEET TITLE

DETAILS

DATES

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PLOT DATE: --

PROJECT NUMBERS

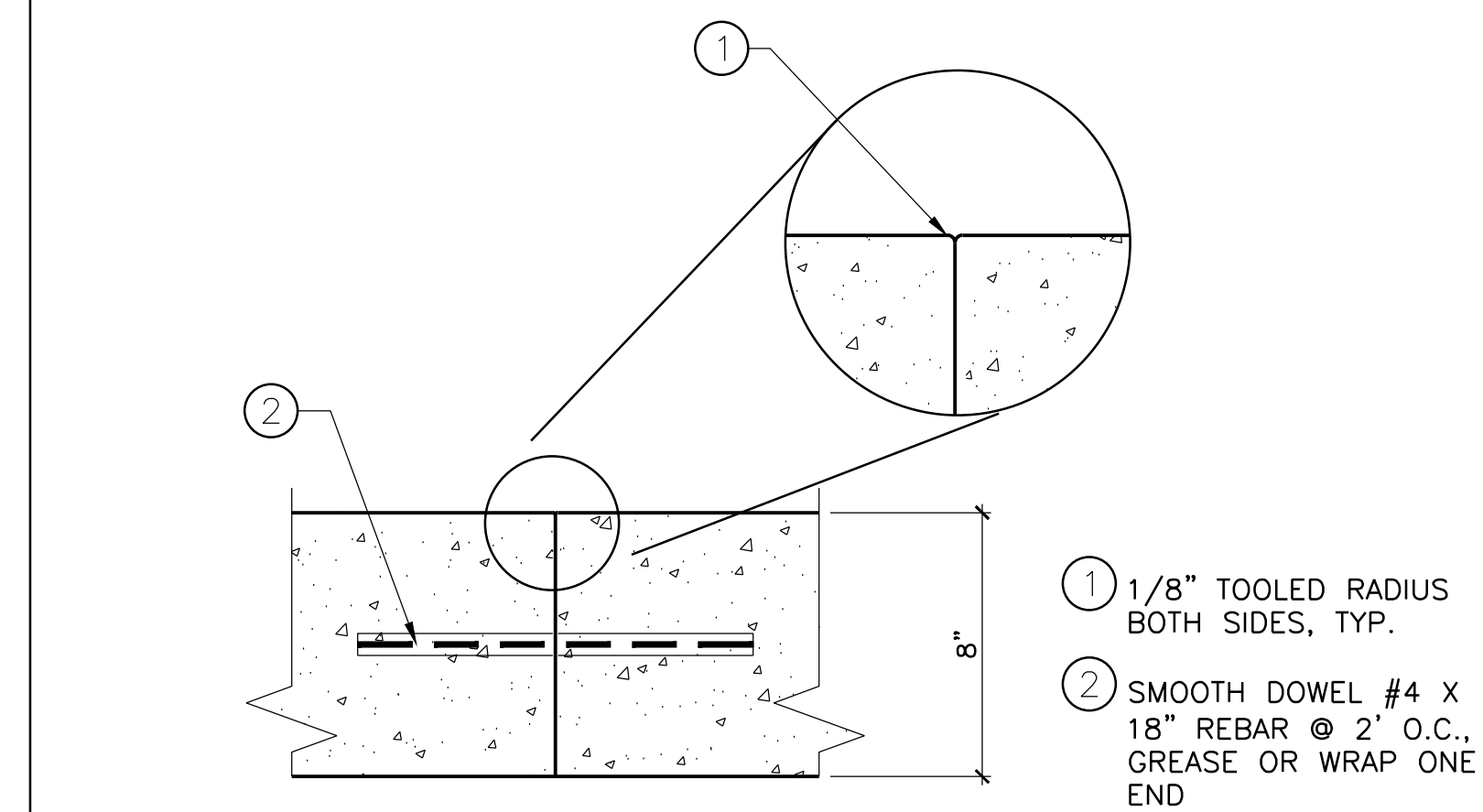
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CONSULTANT PROJECT #: --

SHEET NUMBER

BT-7.02

SHEET 26 OF 47

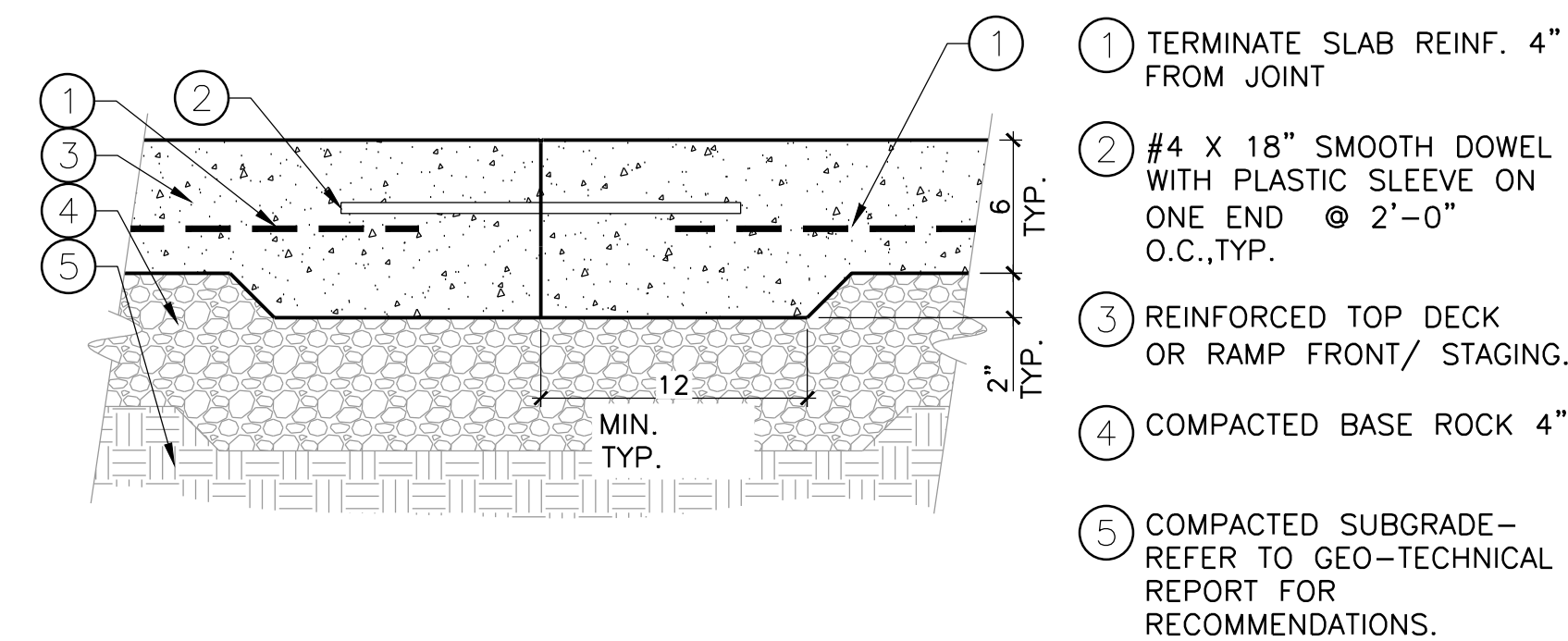
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- ① 1/8" TOOLED RADIUS BOTH SIDES, TYP.
- ② SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END

3 CONSTRUCTION JOINT TOOLING

SCALE
1 1/2" = 1'-0"

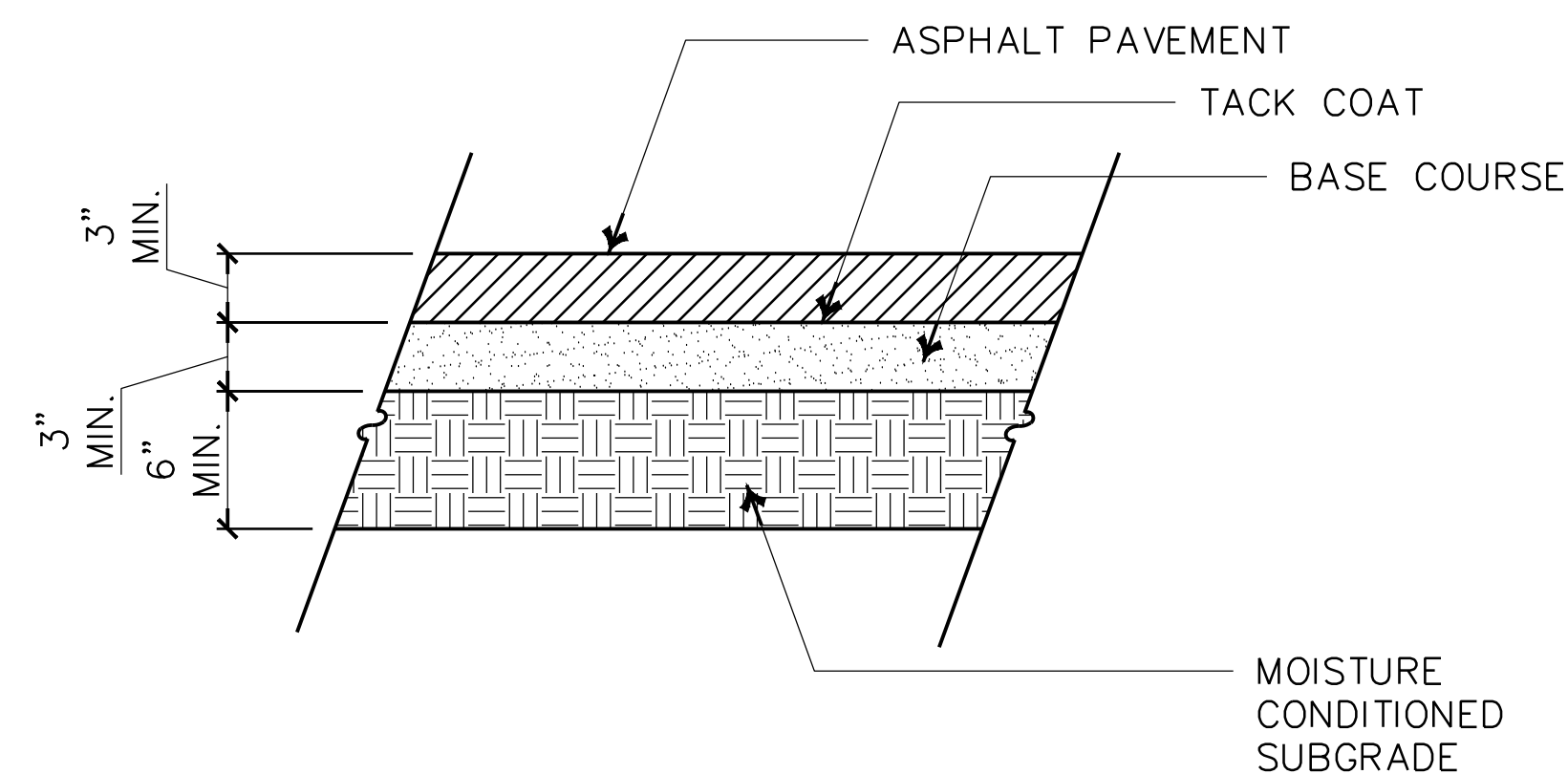


- ① TERMINATE SLAB REINF. 4" FROM JOINT
- ② #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- ③ REINFORCED TOP DECK OR RAMP FRONT/ STAGING.
- ④ COMPACTED BASE ROCK 4"
- ⑤ COMPACTED SUBGRADE-- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS.

2 CONSTRUCTION JOINT AT DECKING

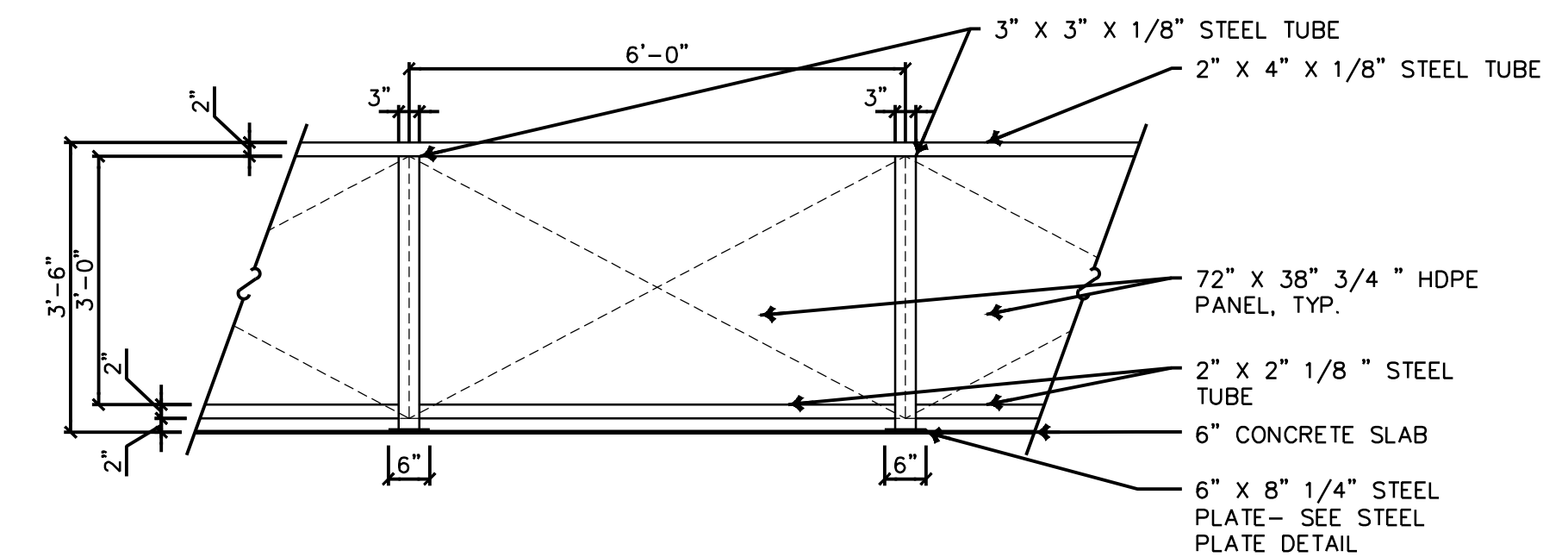
SCALE
1 1/2" = 1'-0"

NOTE: BMX TRACK BUILDER TO COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.



5 ASPHALT PAVEMENT-FINISH-COOL OFF AREA

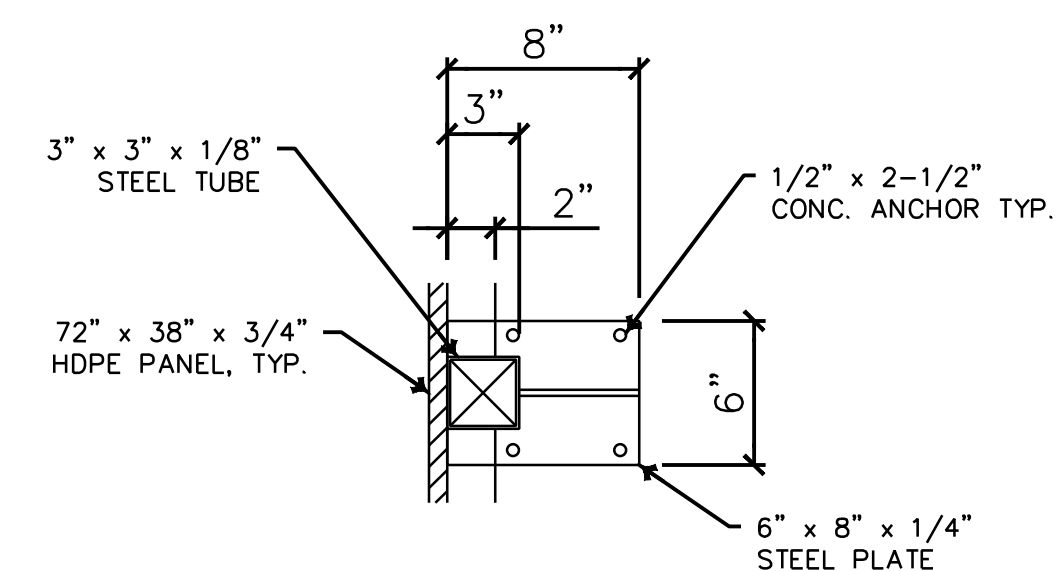
SCALE
1 1/2" = 1'-0"



- NOTES:
- CONTRACTOR TO SUBMIT SHOP DRAWINGS SHOWING PROFILES.
 - ALL METAL SHALL BE HOT-DIPPED GALVANIZED.
 - COLD GALVANIZE ALL ON SITE CONNECTIONS AND WELDS.

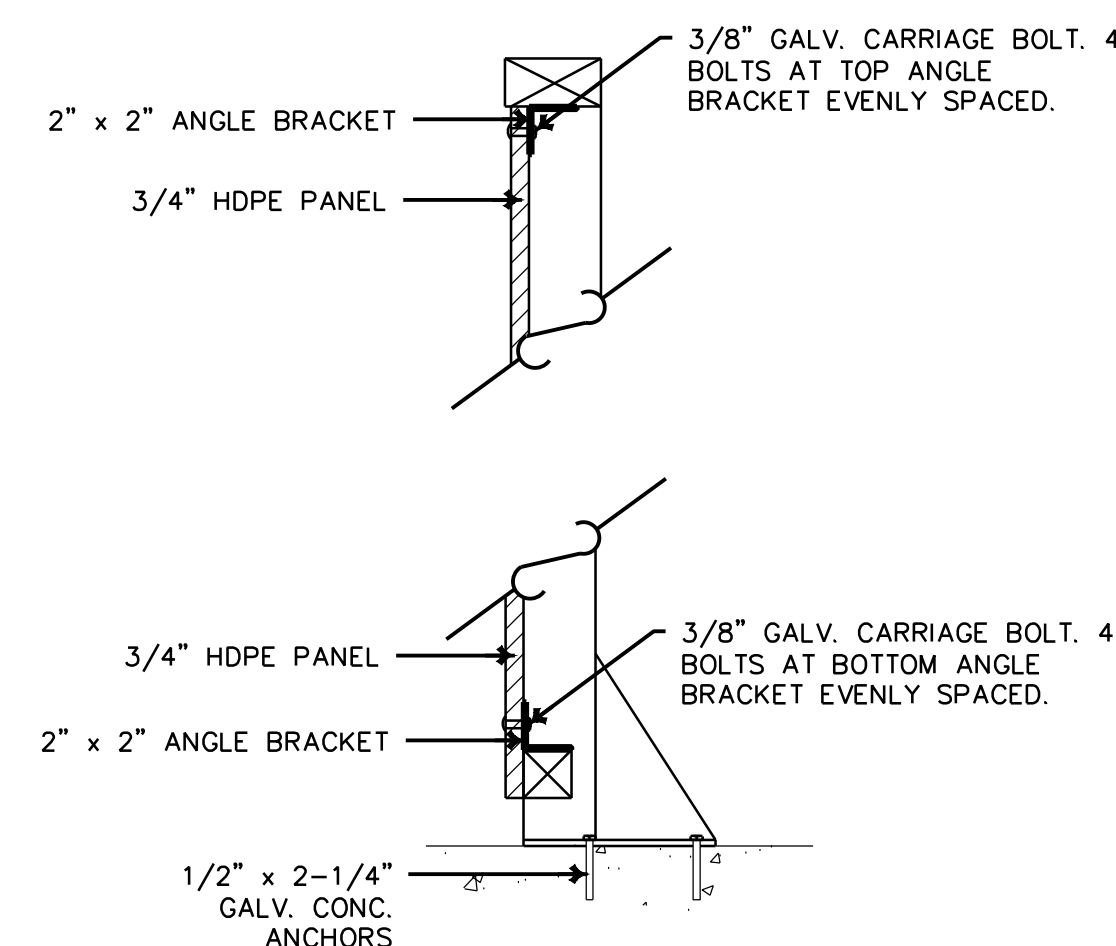
6 BARRIER BOARD STEEL FRAMING-PANELS

SCALE
1 1/2" = 1'-0"



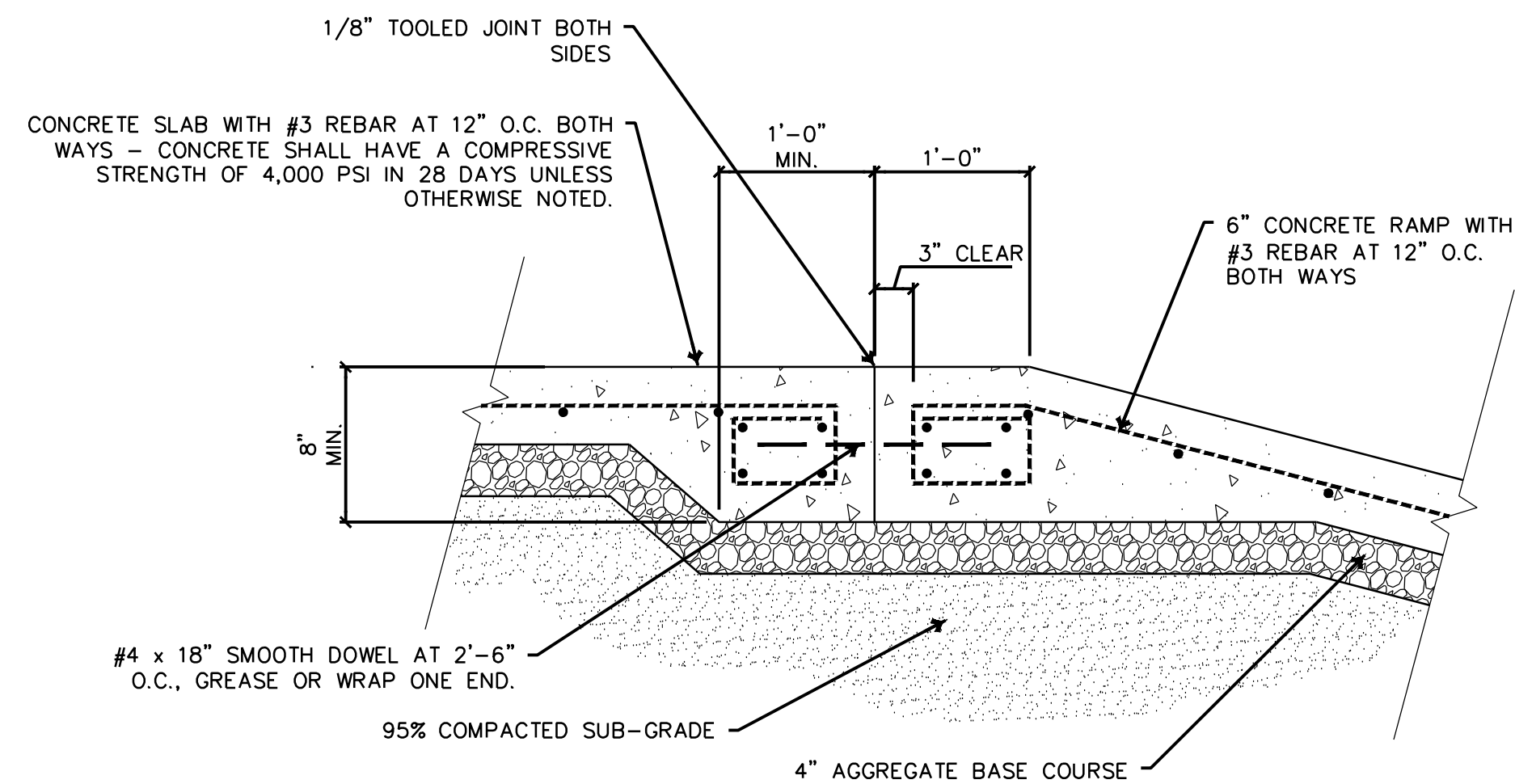
9 BASE PLATE AND BOARD MOUNTING

SCALE
1 1/2" = 1'-0"



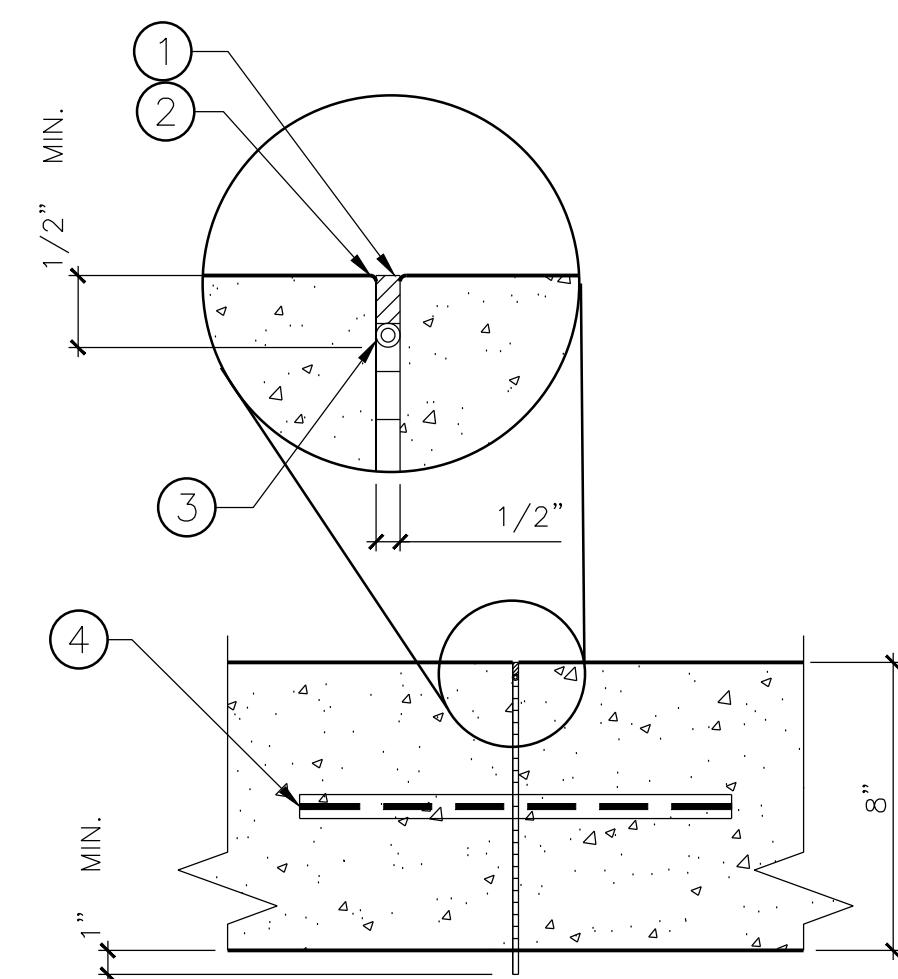
8 BARRIER BOARDS MOUNTING DETAIL

SCALE
1 1/2" = 1'-0"



1 TOP DECK TO RAMP CONNECTION DETAIL

SCALE
1" = 1'-0"

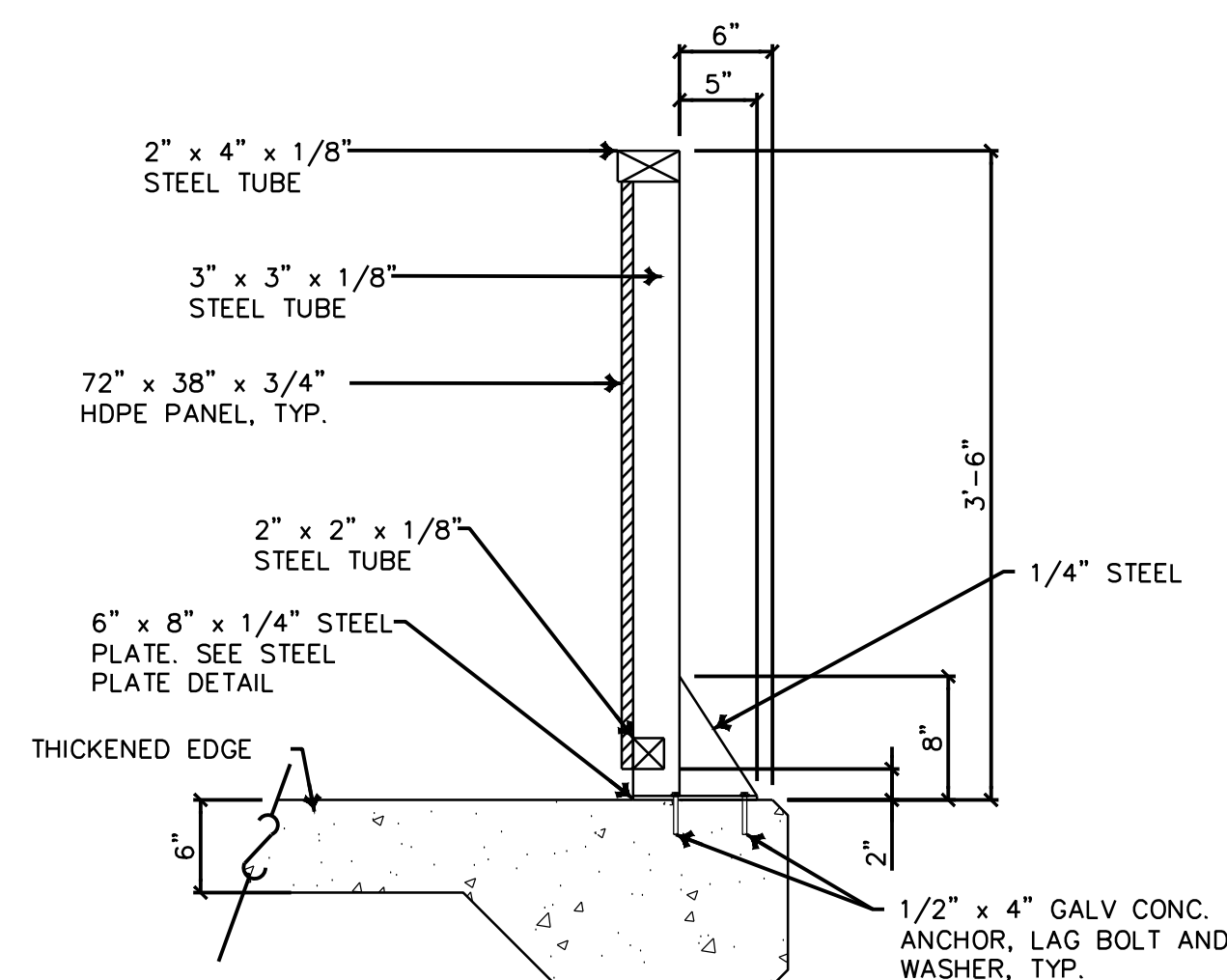


- ① POLYURETHANE ELASTOMERIC OR EQUAL SEALANT. TOOL FLAT & SMOOTH SIKAFLEX-1C SL OR EQUAL
- ② 1/8" TOOLED RADIUS BOTH SIDES, TYP.
- ③ BOND BREAKER MEMBRANE
- ④ SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END

- NOTES:
- MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2"
 - 1/2" EXPANSION JOINT AT FLATWORK

4 EXPANSION JOINT AT FLATWORK-TOP DECK

SCALE
1 1/2" = 1'-0"



7 BARRIER BOARDS MOUNTING DETAIL

SCALE
1" = 1'-0"

FILE NAME: C:\Users\mitch\OneDrive\Documents\PROJECTS - Documents\Ca-Mckinleyville-Mckinleyville-BMX Track-022-028.dwg (04-Construction Documents) Sheet File: 1/17/2024 10:18:07 AM 1:3:26:15.dwg

PLOT DATE: February 15, 2024 - 5:10 PM

LICENSE



CONSULTANT



Action Sports Design, LLC
12400 W Hwy 71, Suite 350-348
Austin, TX 78738
Phone: 1(512) 387-5827
www.ActionSportsDesign.com

CLIENT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK

SHEET TITLE

DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	7-14-2023
2.	75% CD's	9-15-2023
3.	100% CD's	11-15-2023
4.	BID SET	12-15-2023
5.	--	--
6.	--	--
7.	--	--
8.	--	--

PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

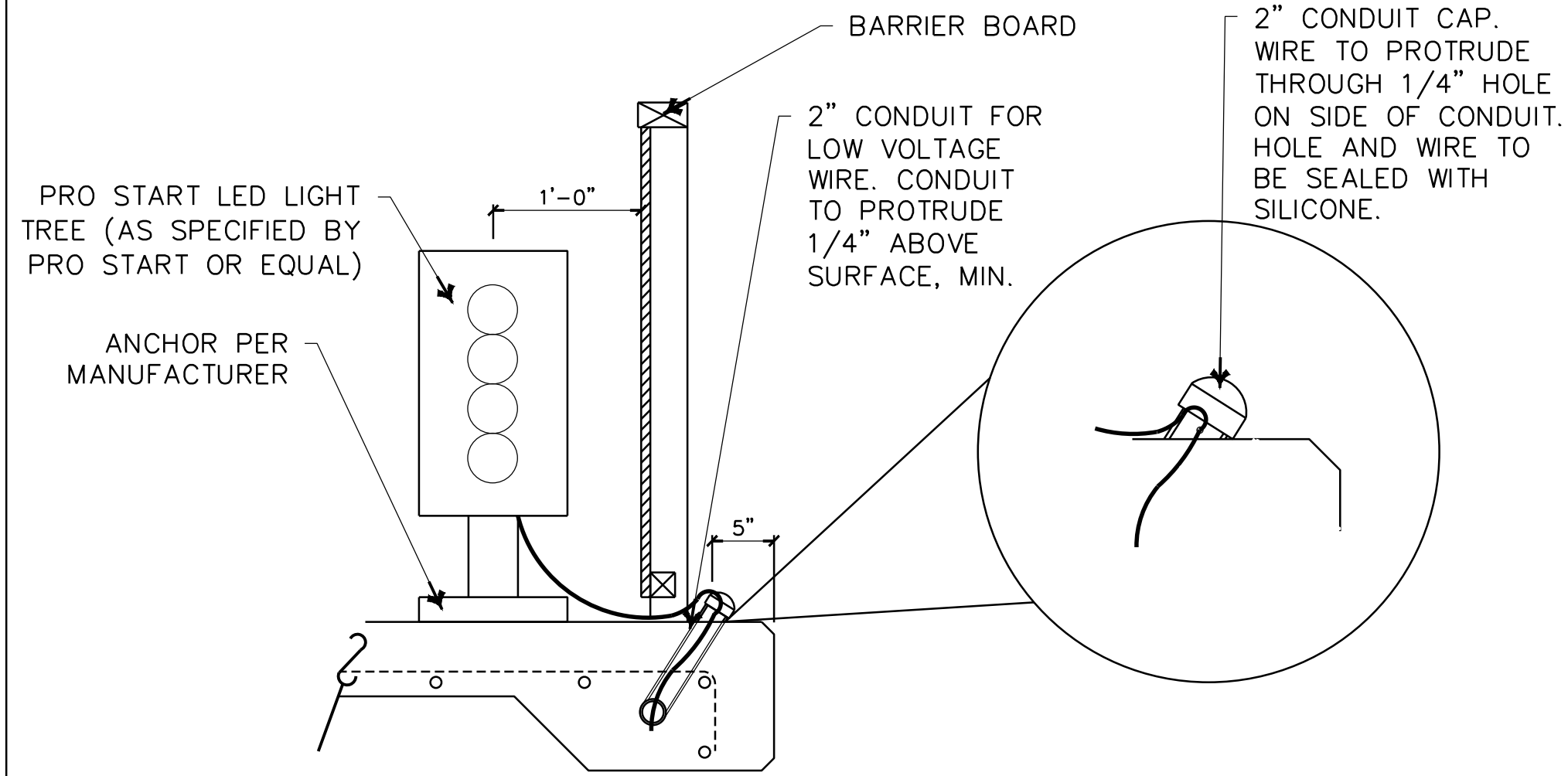
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BT-7.03

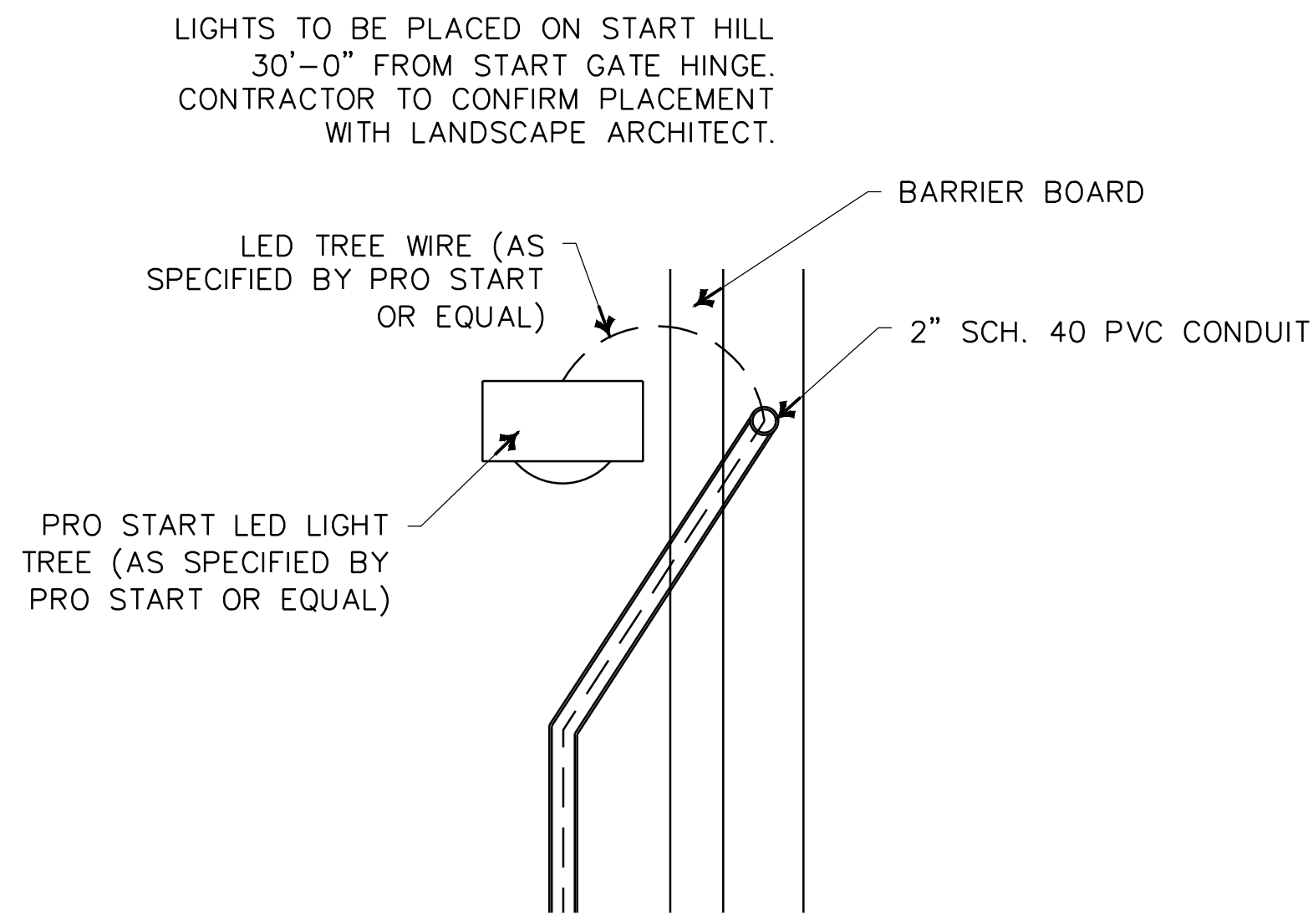
SHEET 27 OF 47

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1 START GATE START LIGHT CONNECTION



2 START HILL CONDUIT FOR START LIGHTS



SCALE
1" = 1'-0"

SCALE
1 1/2" = 1'-0"

LICENSE



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SHEET TITLE

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PROJECT NUMBERS

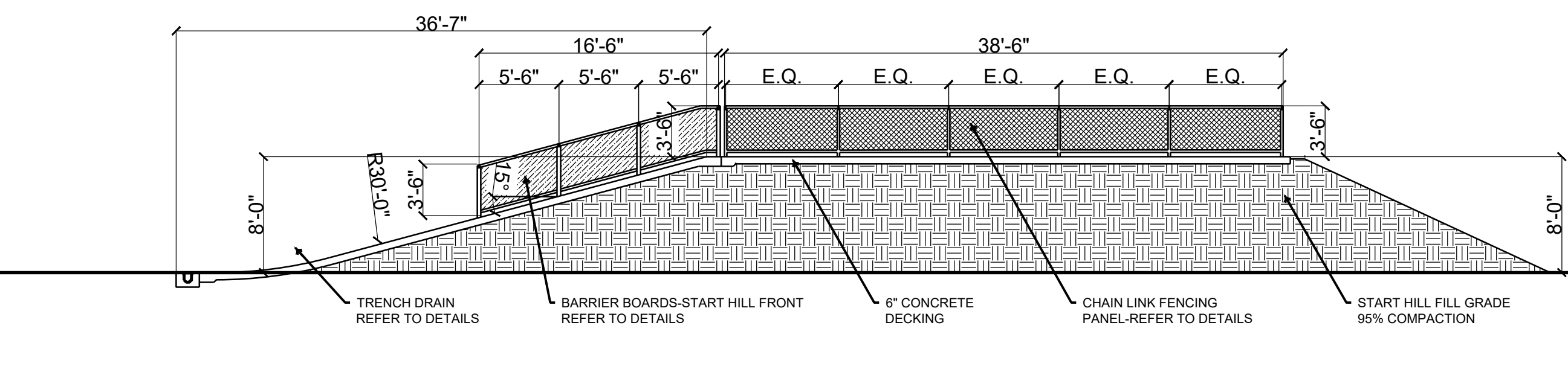
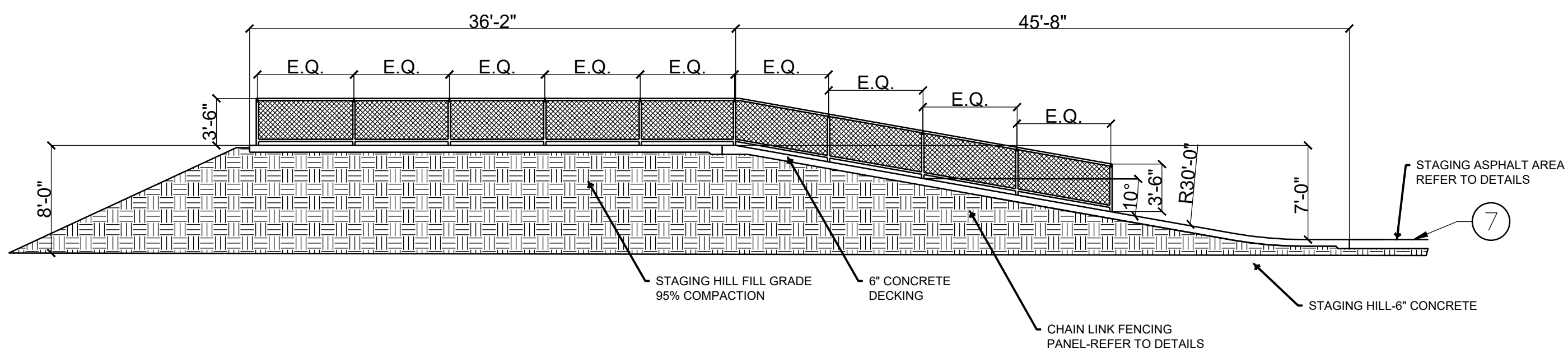
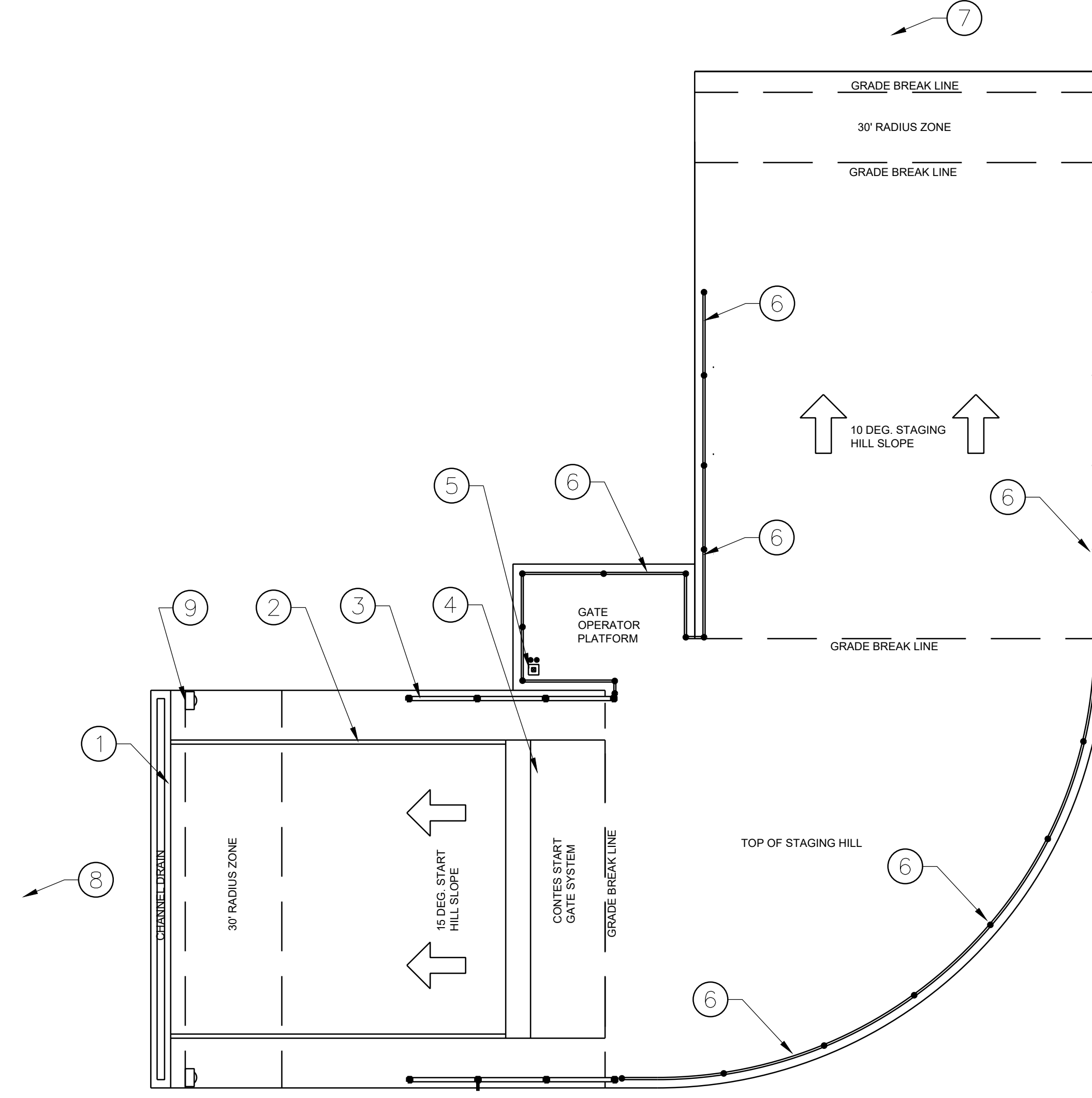
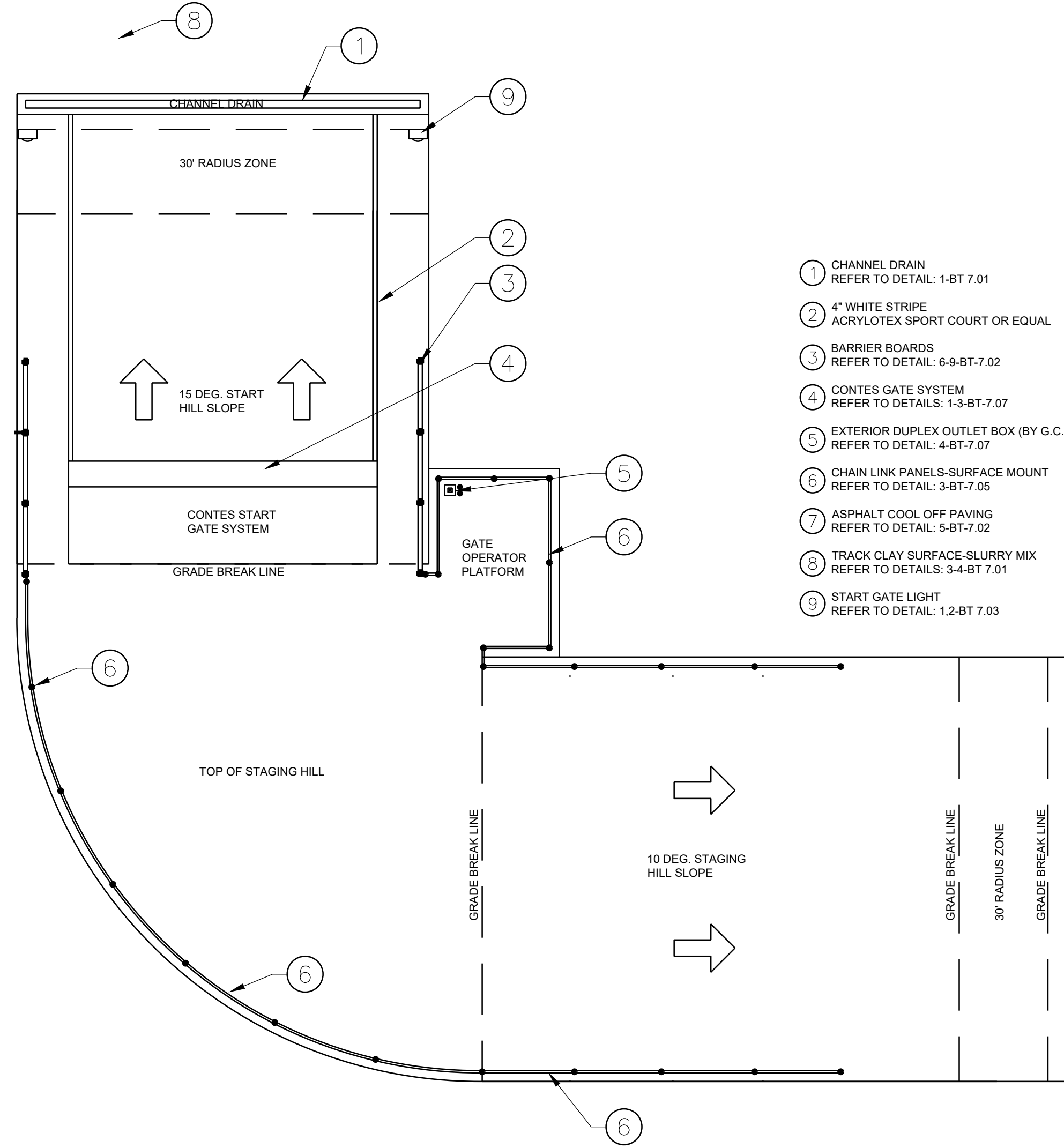
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-7.04

SHEET 28 OF 47

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1 START HILL PLATFORM-STAGING ENTRY RAMP

SCALE
1/8" = 1'-0"

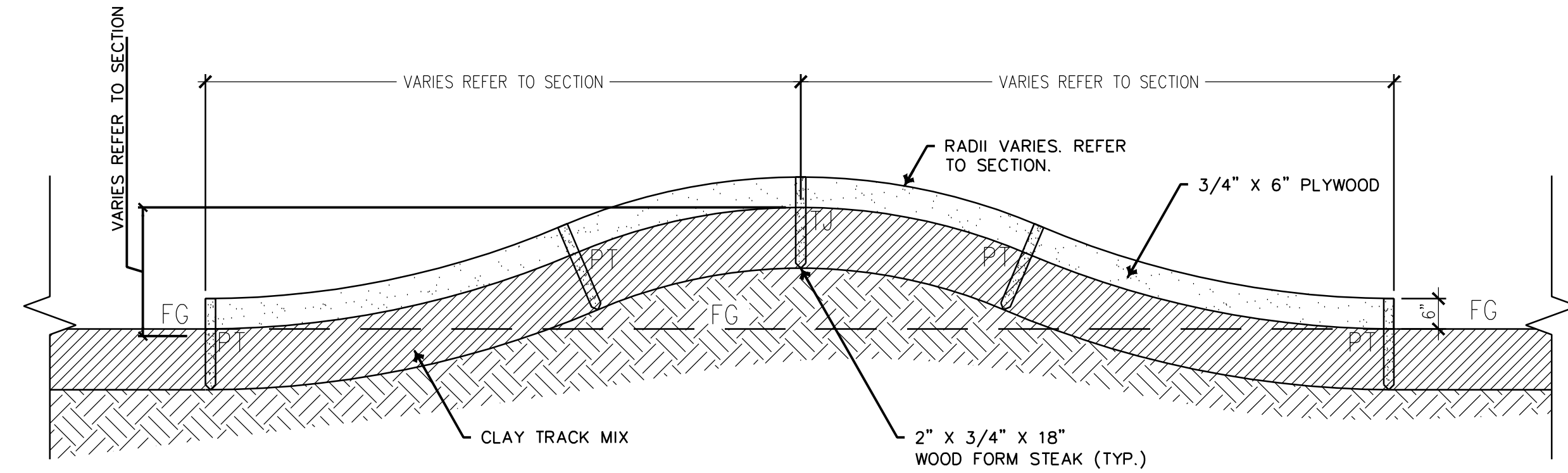
2 START HILL TOP OF DECK AND TRACK START HILL

SCALE
1/8" = 1'-0"



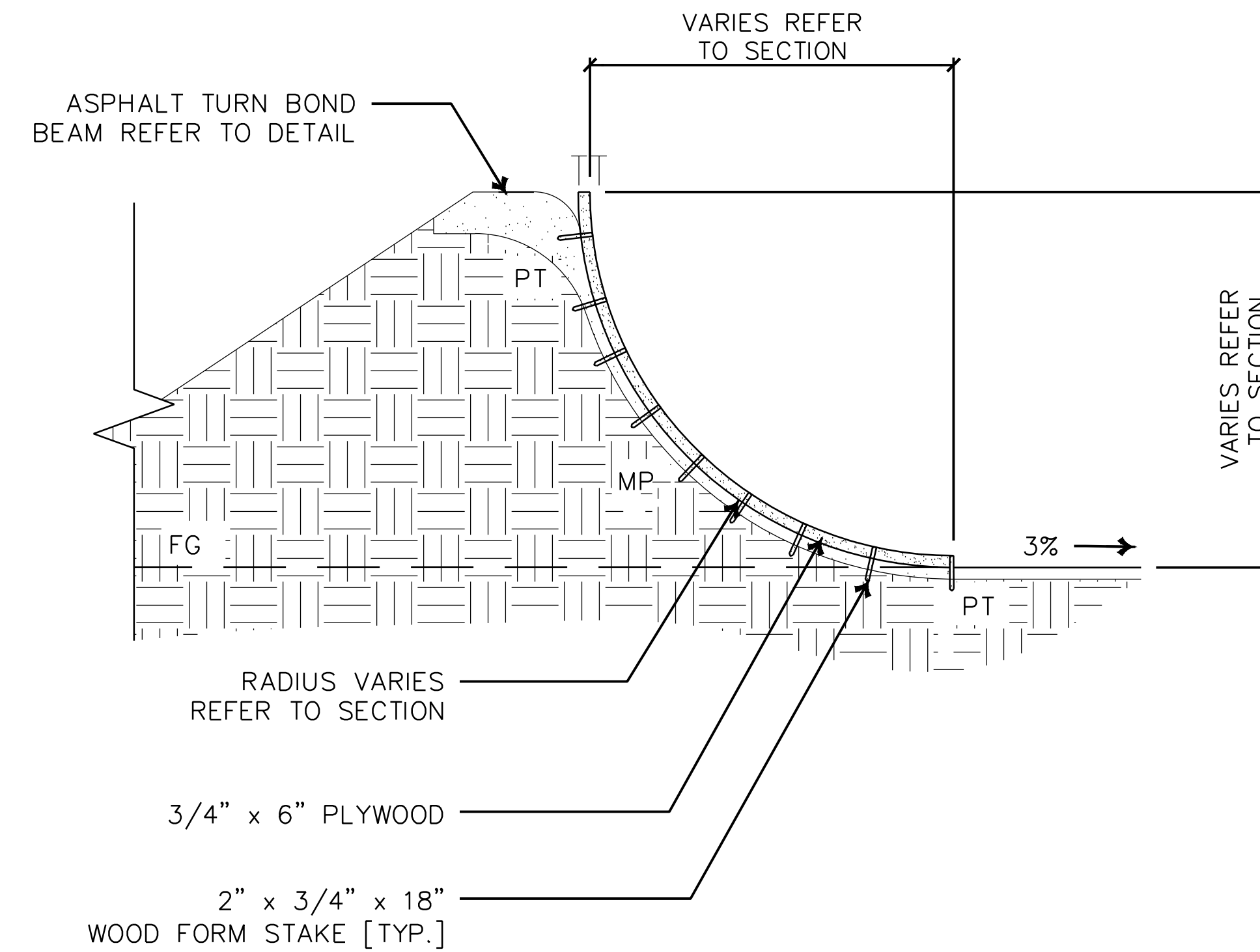
NO.	DESCRIPTION	DATE
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3.	100% CD's	11-15-2023
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5.	--	--
6.	--	--
7.	--	--
8.	--	--

NOTE:
1. CONTRACTOR TO COORDINATE AND SUBMIT FOR APPROVAL MOUNTING INSET LOCATIONS AND MOUNTING OPTIONS.



NOTE:

1. PT= POINT OF TANGENCY
 2. TJ= TOP OF JUMP
 3. FG= FINISH GRADE OF TRACK
 4. PLACE STAKES AT PT & TJ
- JUMP TYPE AND HEIGHTS VARY REFER TO SECTIONS

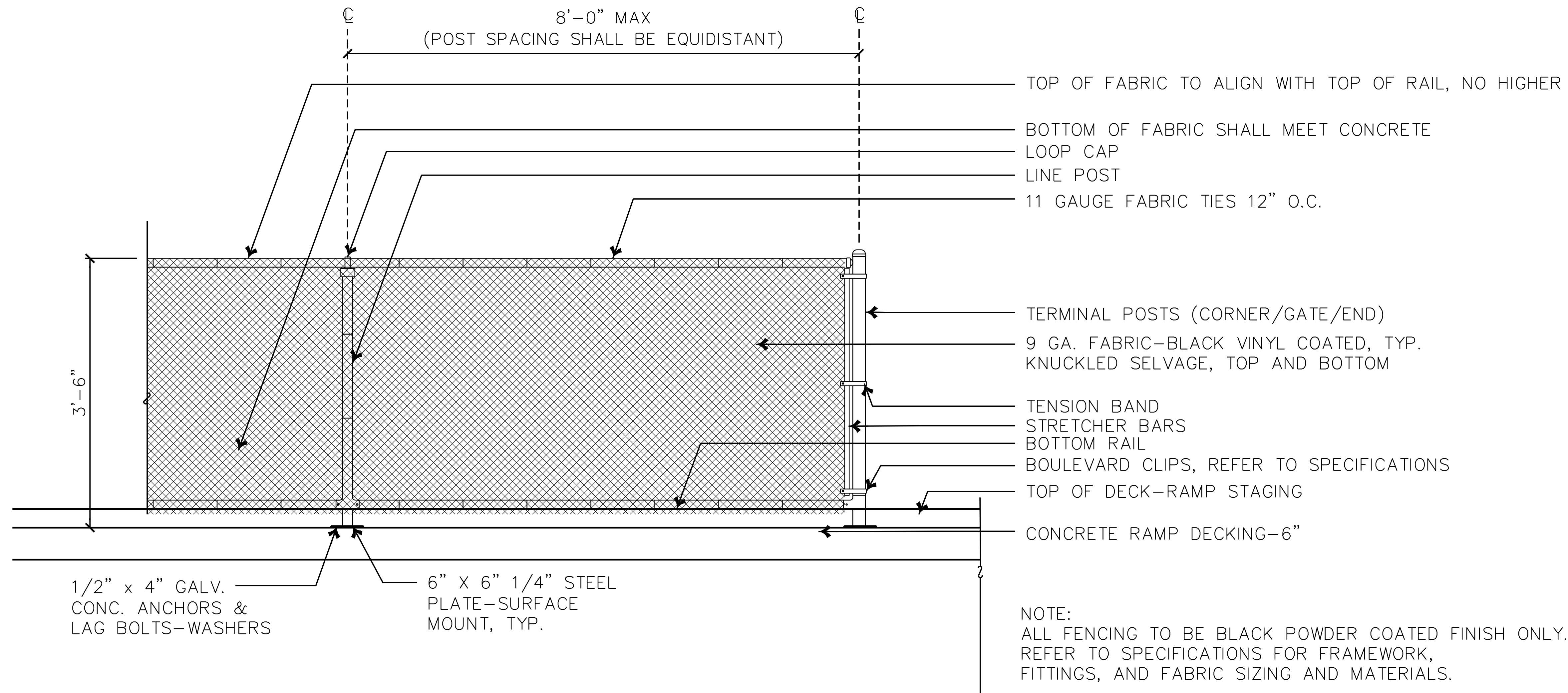


1 JUMP AND ROLLER PROFILE TEMPLATES

SCALE
1/2" = 1'-0"

2 TURNS-BERMS PROFILE TEMPLATE

SCALE
3/16" = 1'-0"



NOTE:
ALL FENCING TO BE BLACK POWDER COATED FINISH ONLY.
REFER TO SPECIFICATIONS FOR FRAMEWORK,
FITTINGS, AND FABRIC SIZING AND MATERIALS.

3 STAGING PLATFORM-RAMP CHAIN LINK FENCING PANELS

SCALE
1" = 1'-0"

LICENSE



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CLIENT

MCKINLEYVILLE
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BMX TRACK AND
PARK

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PLOT DATE: --

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: --

SHEET NUMBER

BT-7.06

SHEET 30 OF 47

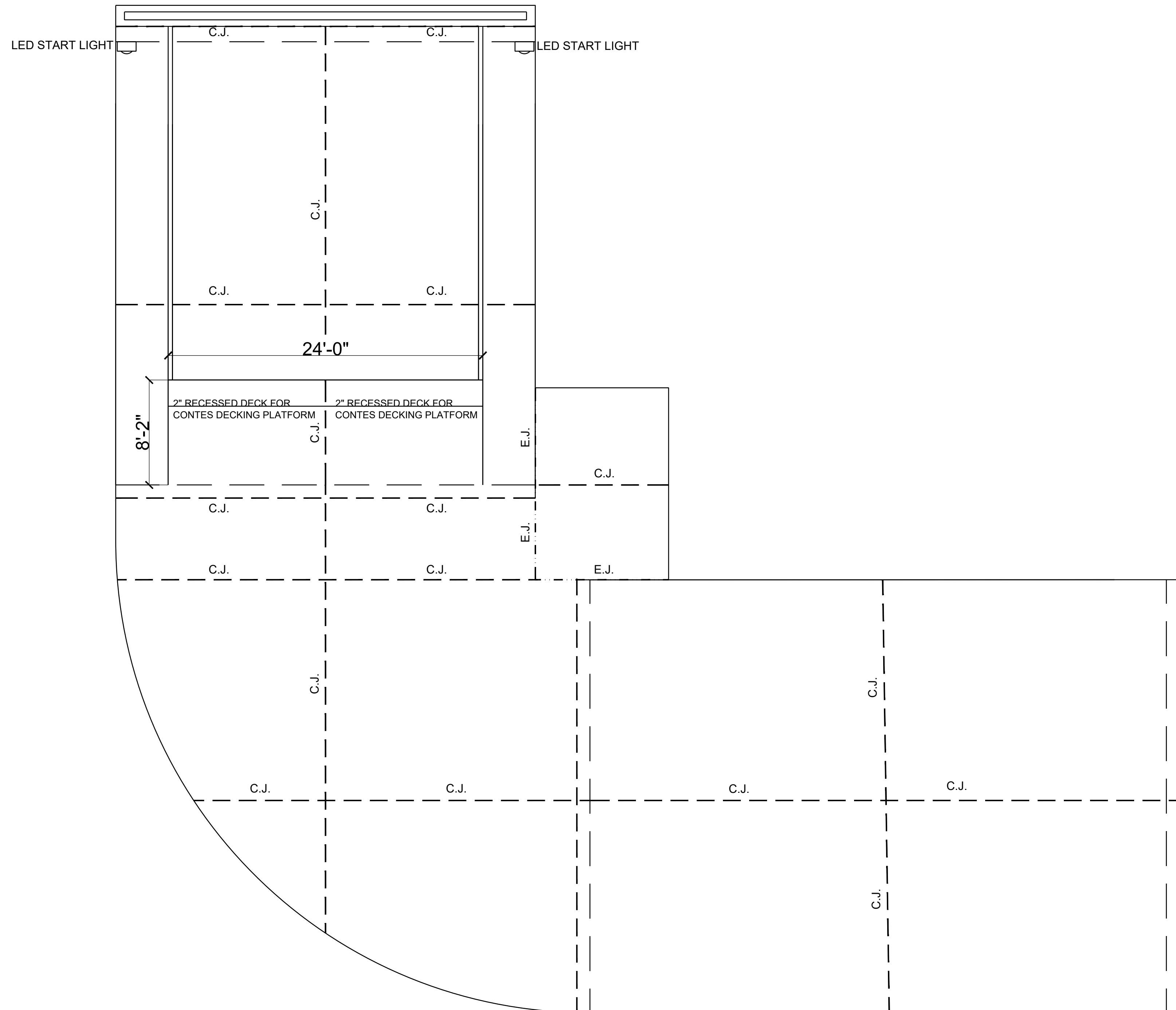
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CONCRETE JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
— — — — —	CJ - CONSTRUCTION JOINT	BT-7.02 DTLS: 1-3
■ ■ ■ ■ ■	EJ - EXPANSION JOINT	BT-7.02 DTL: 4

CONCRETE JOINTING NOTES

1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
5. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
6. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
7. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
8. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
9. EXPANSION JOINT AT FLATWORK: 1/2" WIDE EXPANSION JOINT BETWEEN GATE OPERATOR PLATFORM AND FLATWORK: 1/2" WIDE WITH ELASTOMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".



LICENSE



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SHEET TITLE

DETAILS

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PLOT DATE: --

PROJECT NUMBERS

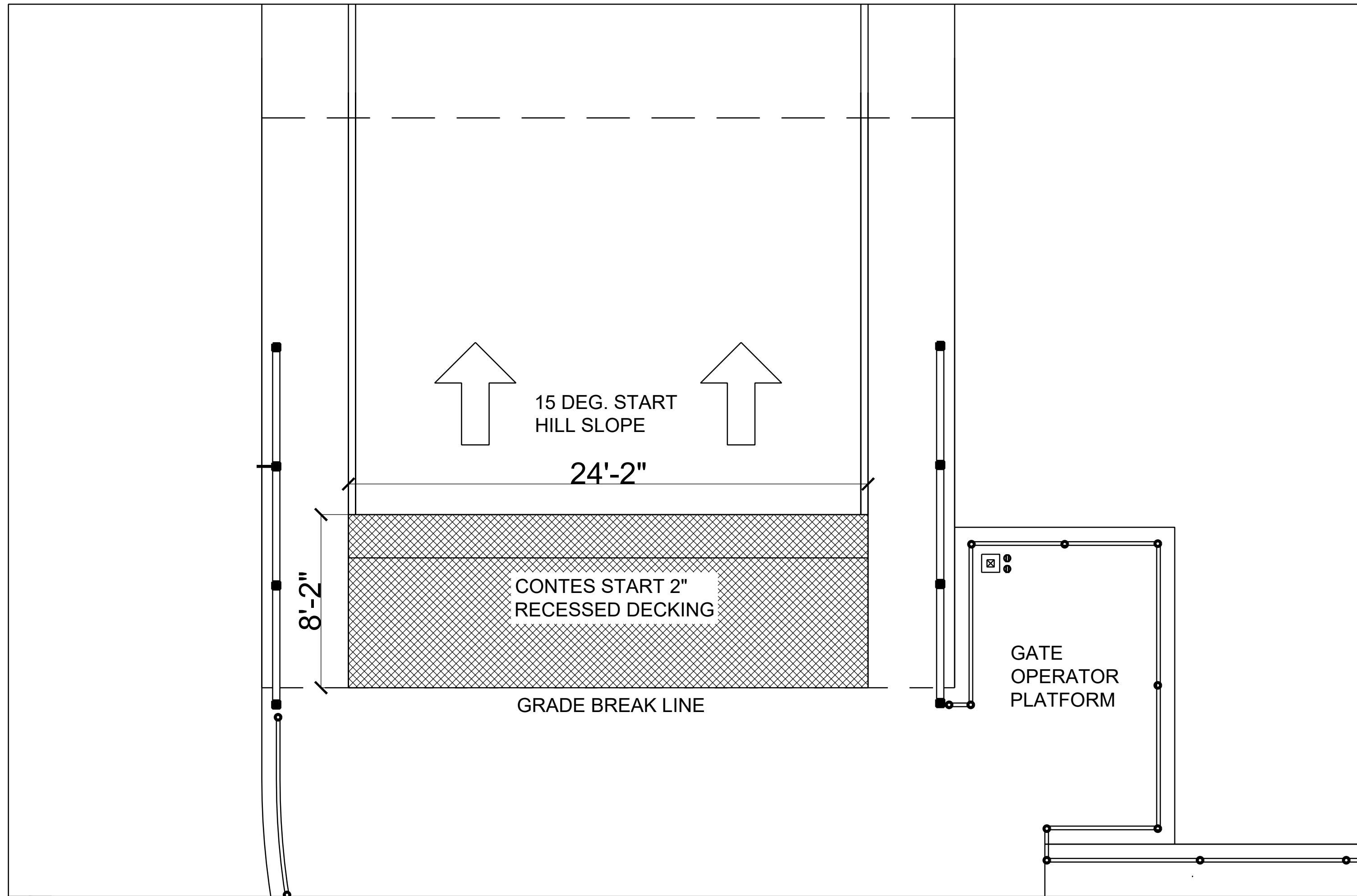
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CONSULTANT PROJECT #: --

SHEET NUMBER

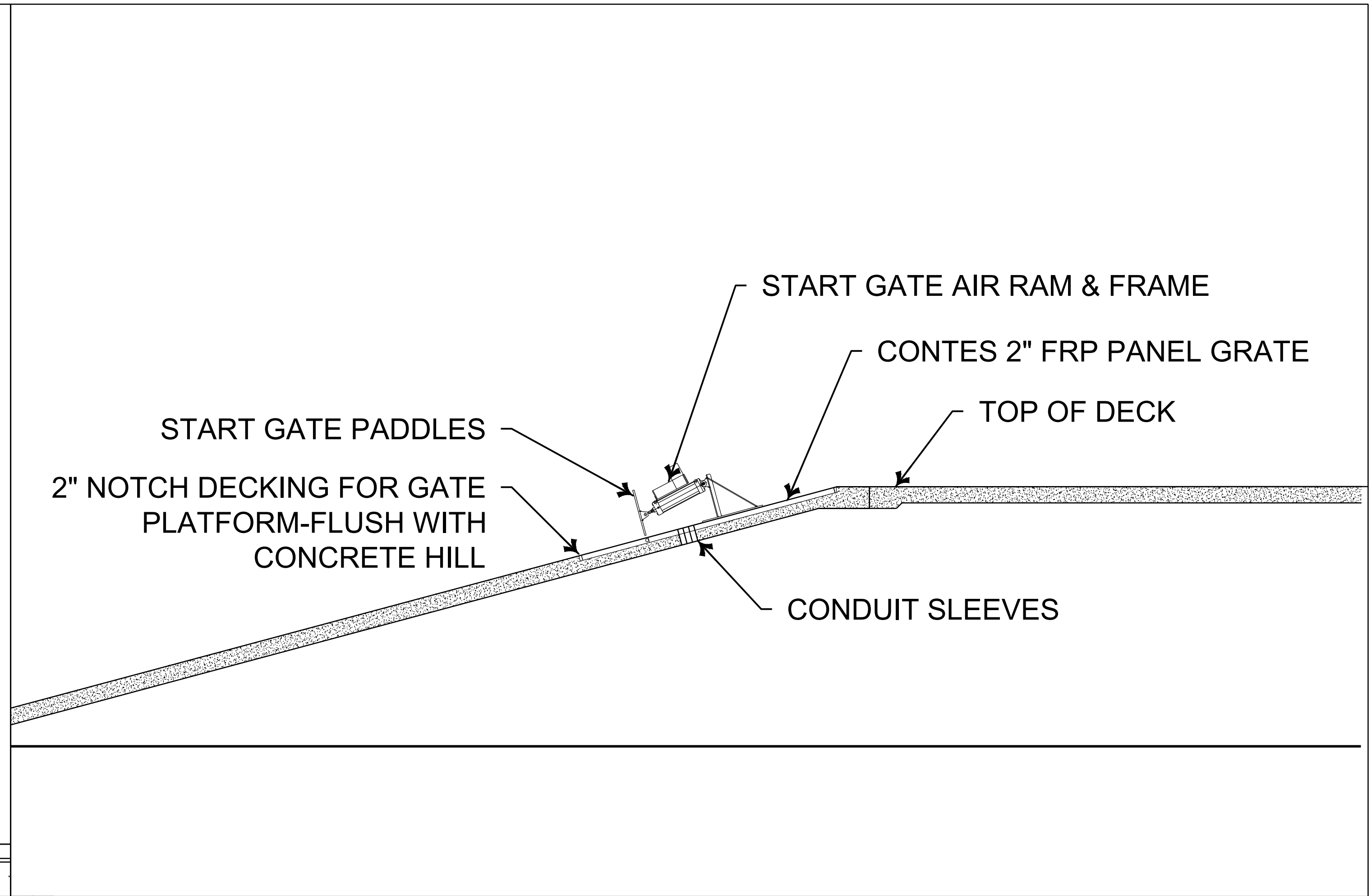
BT-7.07

SHEET 31 OF 47

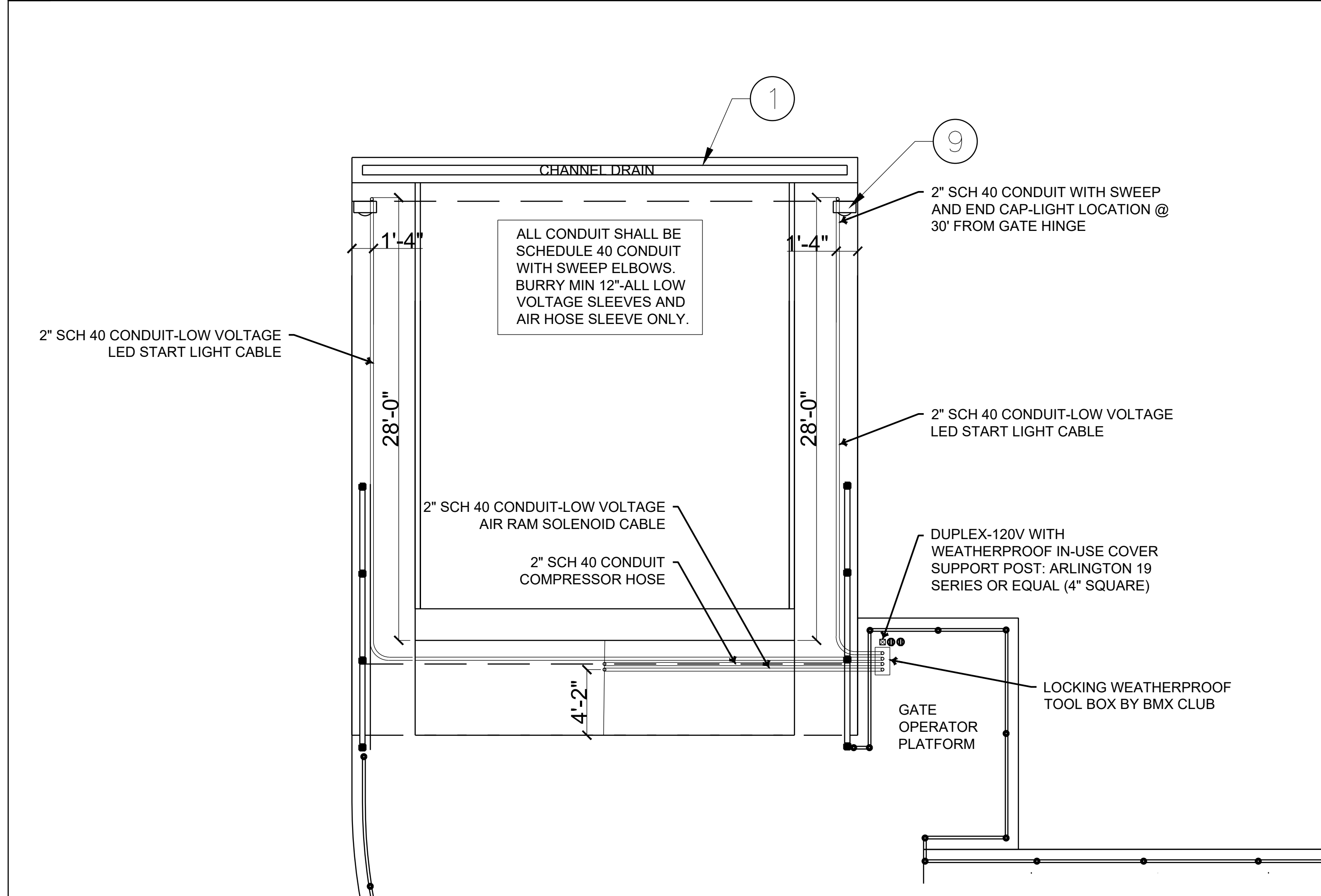
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1 CONTE'S GATE-NOTCHED PLATFORM SCALE 1/4" = 1'-0"



2 CONTE'S GATE-START HILL 2\"/>



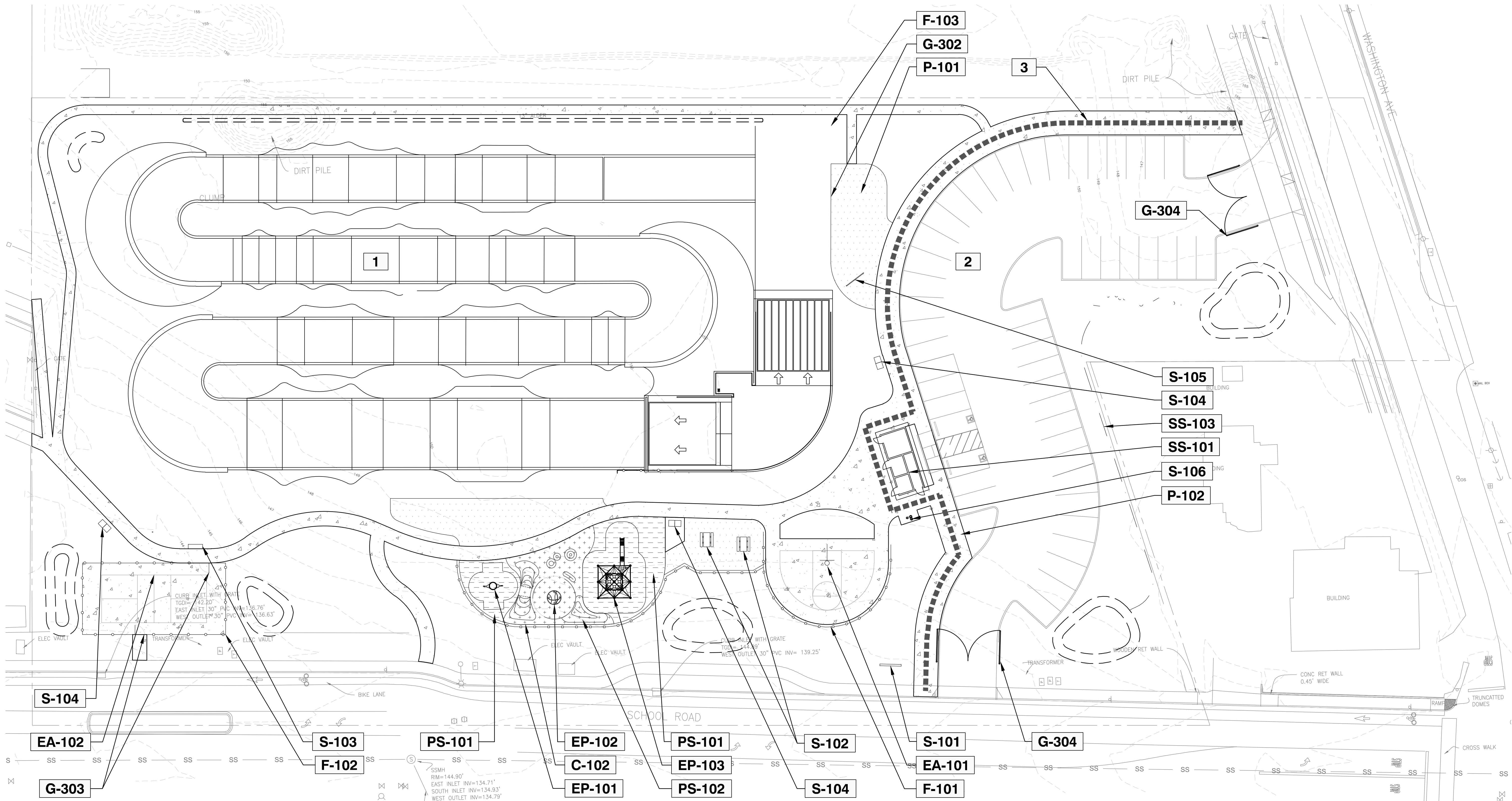
3 CONTE'S GATE-CONDUIT LAYOUT-LOW VOLTAGE WIRES-AIR HOSE SCALE 3/4" = 1'-0"



4 EXTERIOR POWER DUPLEX BOX (BY GENERAL CONTRACTOR) SCALE 3/16" = 1'-0"



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7.	-	-
8.	-	-

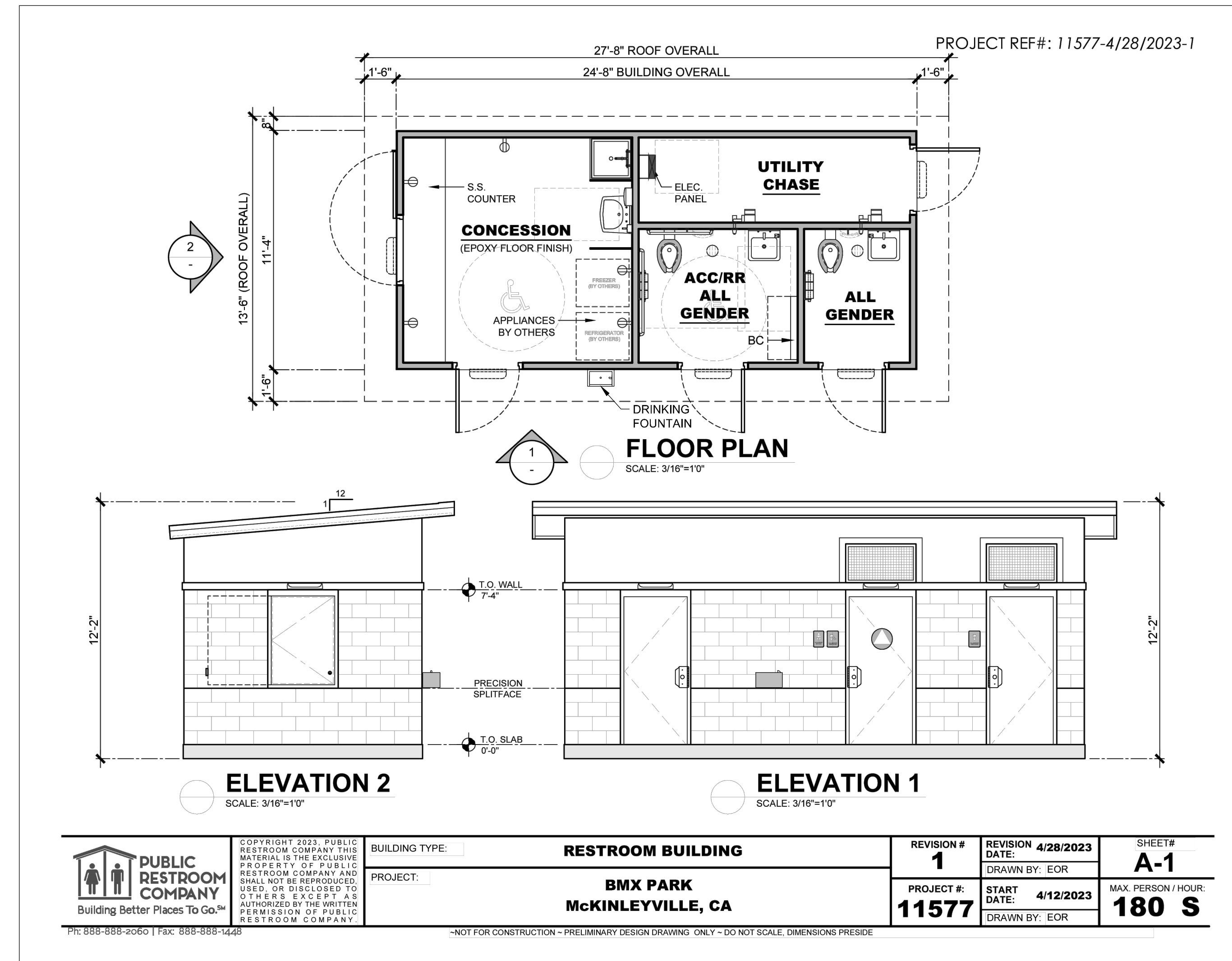


CONSTRUCTION/LEGEND NOTES

1. CONFIRM ALL LOCATIONS OF EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO EXCAVATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND REPAIR OF DAMAGE TO ALL EXISTING UTILITIES INCLUDING IRRIGATION.
3. INSTALL ALL ELEMENTS PER MANUFACTURERS' SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH THE WORK OF OTHERS.
5. CONTRACTOR SHALL OBSERVE ALL SAFETY REGULATIONS PERTAINING TO THIS PROJECT.
6. ANY CHANGES SHALL BE APPROVED BY OWNER AND MANUFACTURER REPRESENTATIVE PRIOR TO CONSTRUCTION.
7. ALL VEGETATION, TOP SOIL AND OTHER UNSUITABLE MATERIAL IN AREAS OF FOUNDATIONS AND CONCRETE SLABS SHALL BE REMOVED FROM CONSTRUCTION AREA. DISPOSE OF REMOVED ITEMS IN ACCORDANCE WITH LOCAL AND STATE ORDINANCES.
8. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. AUTO CAD FILE AVAILABLE FROM LANDSCAPE ARCHITECT FOR CONSTRUCTION STAKING PURPOSES. (530) 899-1616

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	BMX TRACK, SEE TRACK PLAN	
2	PARKING LOT, SEE CIVIL PLAN	
3	MIDTOWN TRAIL ROUTE - MINIMUM 8' WIDE THROUGH PARK	
SYMBOL	CURB DESCRIPTION	DETAIL
C-102	PRESSURE TREATED LUMBER EDGE, 2X6	10/L2.3
SYMBOL	ATHLETIC EQUIPMENT DESCRIPTION	4&DETAIL
EA-101	BASKETBALL HOOP - L.A. STEELCRAFT MODEL: LA-12C56 OR APPROVED EQUAL. CONTACT: LA STEELCRAFT 866-210-5216	5/L2.5 2&
EA-102	PICKLEBALL NET - PW ATHLETIC MFG. MODEL: 2202 POSTS, 8354 NET, AND 8301 GROUND SLEEVES, OR APPROVED EQUAL	3/L2.5
SYMBOL	PLAY EQUIPMENT DESCRIPTION	DETAIL
EP-101	SAUCER SWING - BERLINER MODEL: PALMETTO OR APPROVED EQUAL, CONTACT BRIDGET MUCK 916-276-0755	2/L2.6
EP-102	SPINNER - BERLINER MODEL: PICADILLY CIRCLE OR APPROVED EQUAL, CONTACT: BRIDGET MUCK 916-276-0755	1/L2.5
EP-103	CLIMBING STRUCTURE - BERLINER MODEL: JUPITER 03 OR APPROVED EQUAL, CONTACT: BRIDGET MUCK 916-276-0755	1/L2.6
SYMBOL	FENCE DESCRIPTION	DETAIL
F-101	FENCE - WOOD, SPLIT RAIL (W/ 3 RAILS), 4' HIGH	3/L2.4
F-102	FENCE - CHAIN LINK, 6' HIGH	1/L2.4
F-103	FENCE - CHAIN LINK, 4' HIGH	1/L2.4
SYMBOL	METAL GATE DESCRIPTION	DETAIL
G-302	GATE - CHAIN LINK, ROLLING, 14' WIDE (PER SIDE)	5/L2.4
G-303	GATE - CHAIN LINK, SWING, 6' HIGH	2/L2.4
G-304	GATE - STEEL PARKING BARRIER, DOUBLE SWING	4/L2.4
SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	DECOMPOSED GRANITE, PER DETAILS	7/L2.3
P-102	ASPHALT CONCRETE (A.C.), PER DETAILS	8/L2.3
SYMBOL	PLAY/ATHLETIC PROTECTIVE SURFACING DESCRIPTION	DETAIL
PS-101	PLAY SURFACE - ENGINEERED WOOD FIBER	9/L2.3
PS-102	PLAY SURFACE - POUR IN PLACE RUBBER, SEE DETAILS AND LAYOUT (L2.2)	
SYMBOL	SITE FURNISHINGS DESCRIPTION	DETAIL
S-101	SITE FOR FUTURE PARK ENTRANCE SIGN	
S-102	PICNIC TABLE - OUTDOOR CREATIONS MODEL: 101FSS OR APPROVED EQUAL, CONTACT: CHAD SMITH AT OUTDOOR CREATIONS 530-365-6106	5/L2.3
S-103	BENCH - OUTDOOR CREATIONS MODEL: 422 OR APPROVED EQUAL, CONTACT: CHAD SMITH AT OUTDOOR CREATIONS 530-365-6106	1/L2.3
S-104	TRASH & RECYCLING RECEPTACLES, OUTDOOR CREATIONS MODEL: 517 OR APPROVED EQUAL, CONTACT: CHAD SMITH AT OUTDOOR CREATIONS 530-365-6106	4/L2.3
S-105	BIKE RACK - MADRAX MODEL: HW238-9-IG-G OR APPROVED EQUAL	2/L2.3
S-106	DRINKING FOUNTAIN	3/L2.3
SYMBOL	SITE STRUCTURES DESCRIPTION	DETAIL
SS-101	CONCESSION/RESTROOM BUILDING	1/L2.1
SS-103	DRY CREEK	6/L2.3



NOTES:

CONTRACTOR TO PROVIDE BUILDING AS SPECIFIED BY PUBLIC RESTROOM COMPANY OR APPROVED EQUAL. COMPLETE SPECIFICATIONS AVAILABLE FROM PUBLIC RESTROOM COMPANY. CONTACT: STEVE MYLER AT PUBLIC RESTROOM COMPANY 888-888-2060

1 CONCESSION / RESTROOM BUILDING



820 BROADWAY ST.
CHICO, CA 95928
(530) 899-1616
meltongd.com

LICENSE



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MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

CONSTRUCTION
SCHEDULE,
DETAILS

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8.	-	-

PLOT DATE: 12-28-2023

PROJECT NUMBERS

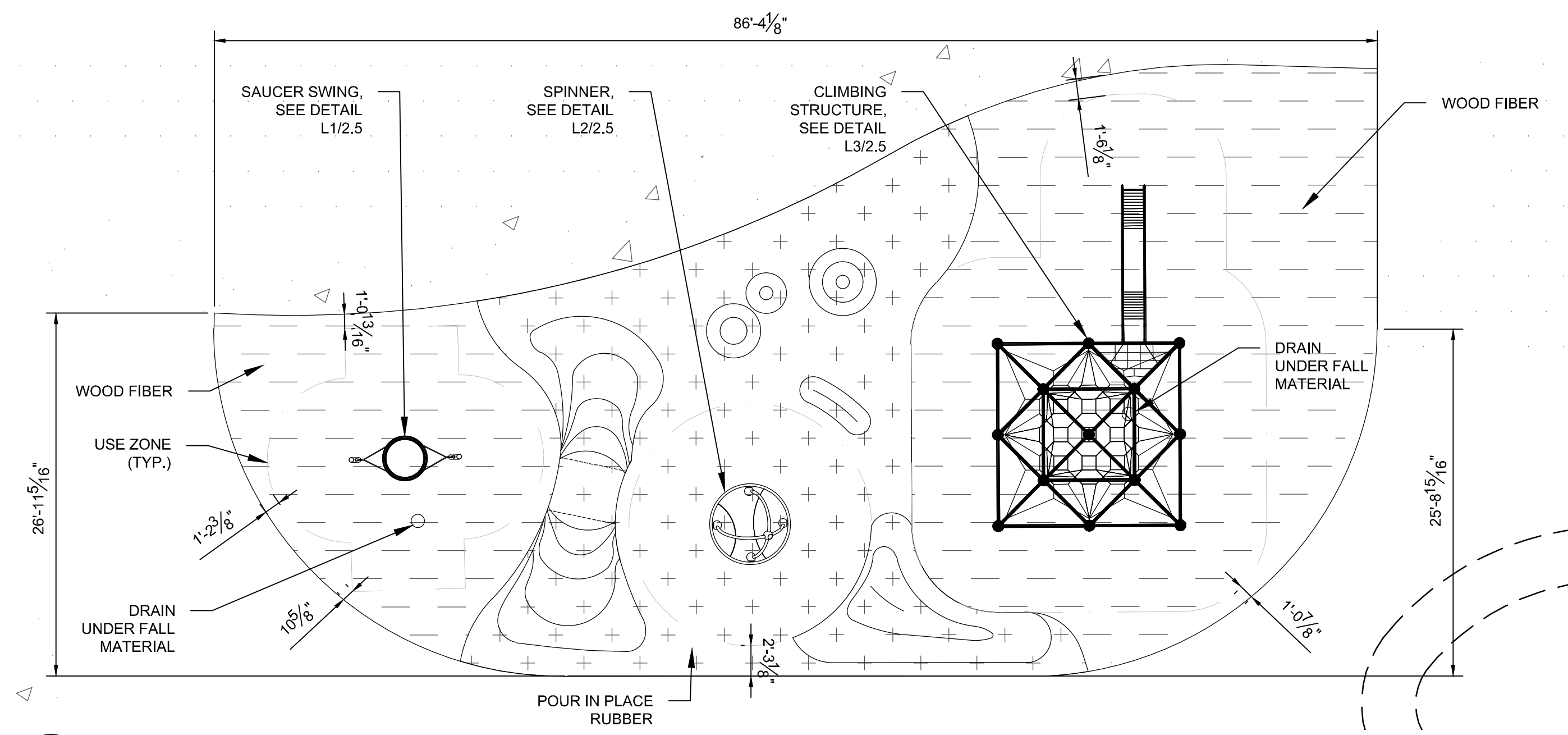
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: ...

SHEET NUMBER

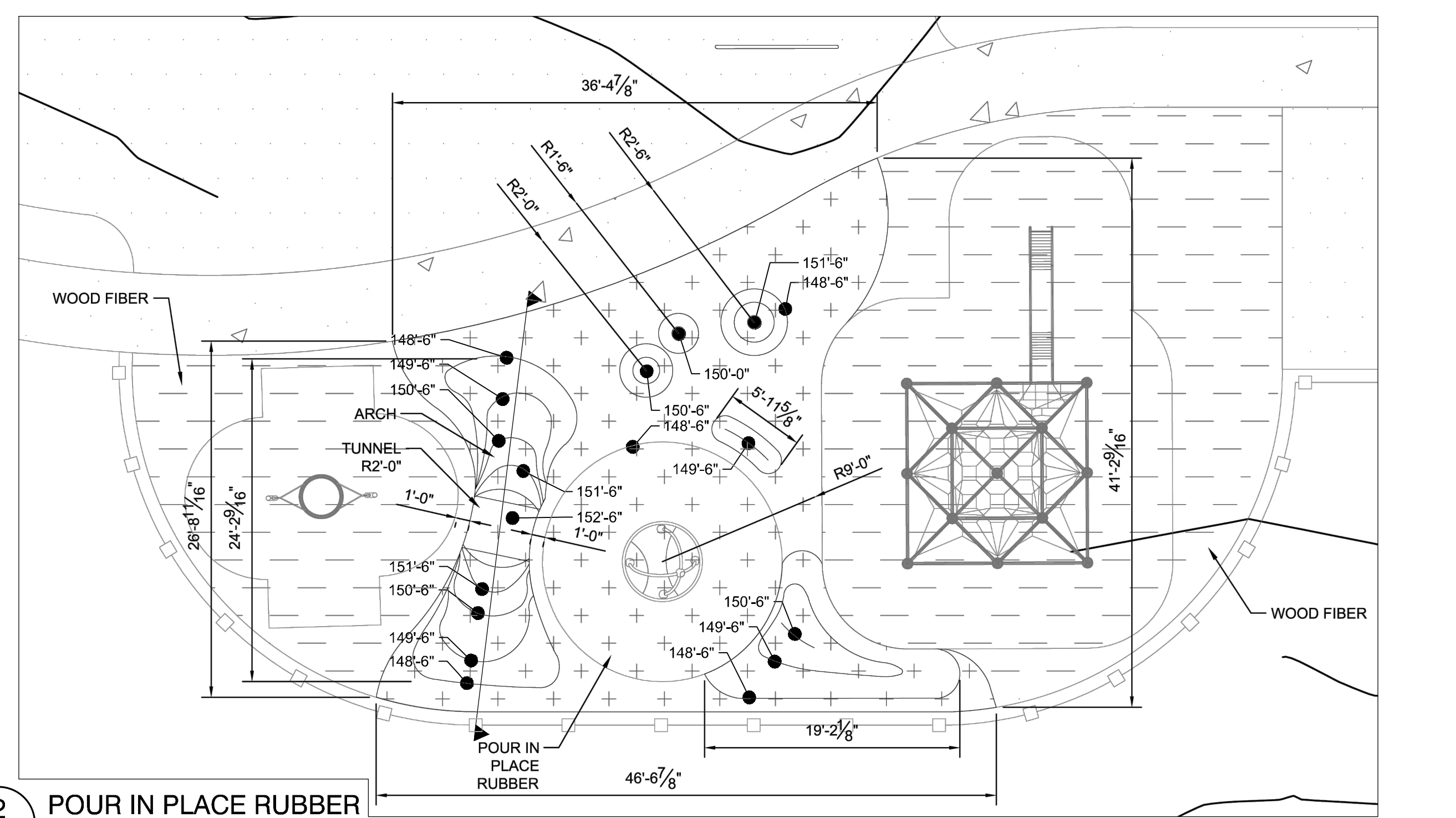
L2.1

SHEET 33 OF 47

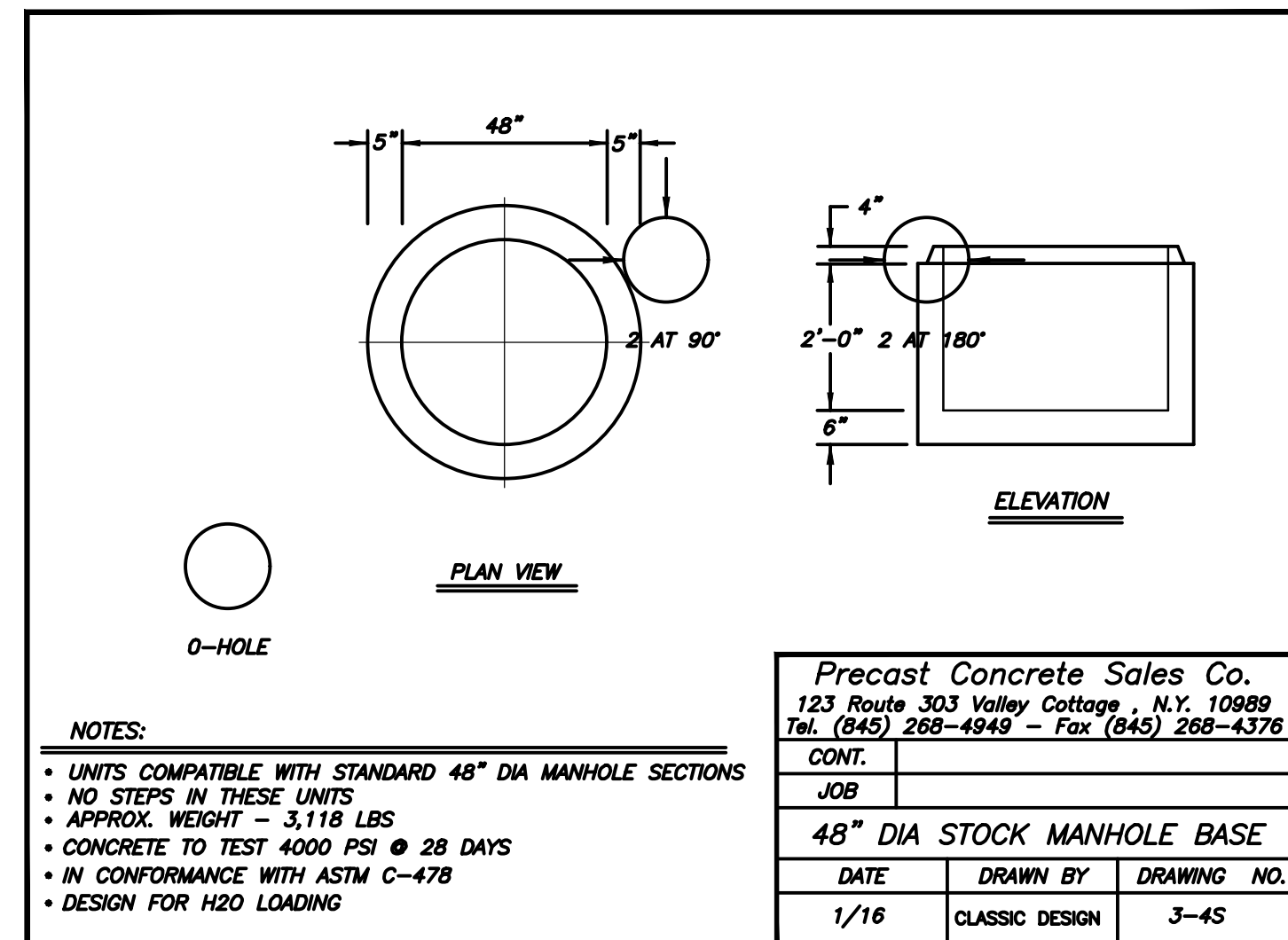
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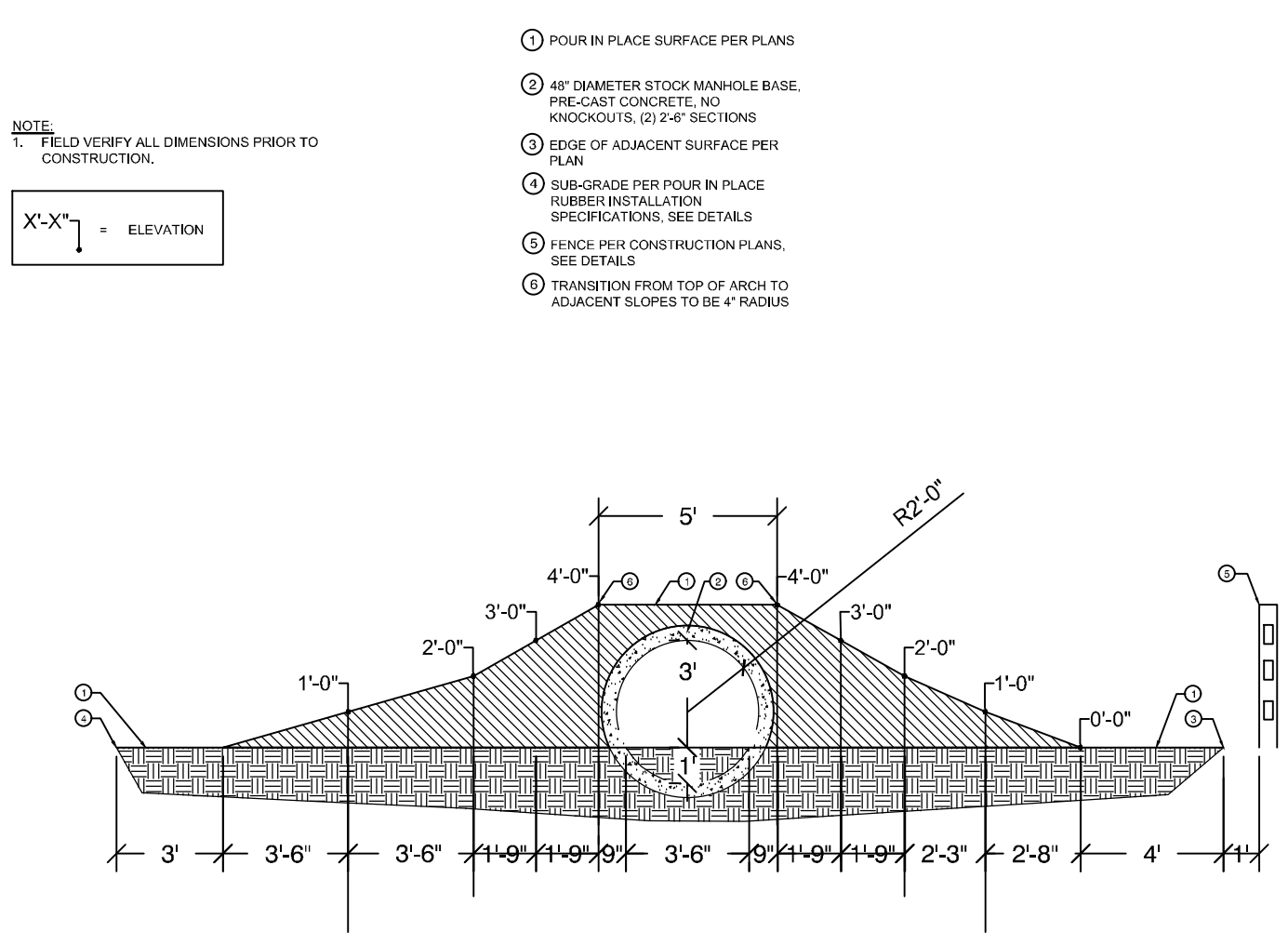
1 PLAYGROUND ENLARGEMENT
L2.2
1/8" = 1'-0"



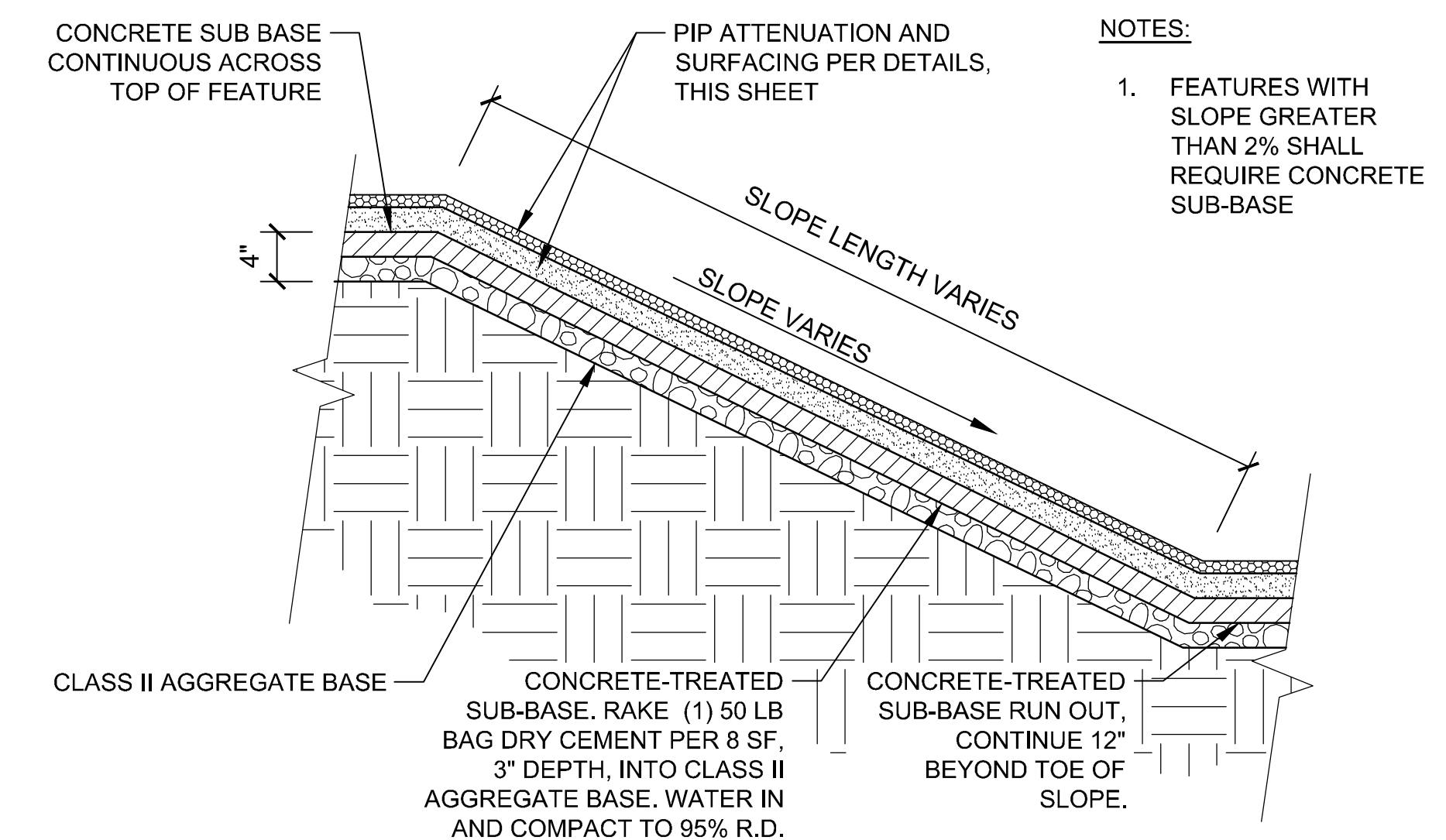
2 POUR IN PLACE RUBBER
L2.2
1/8" = 1'



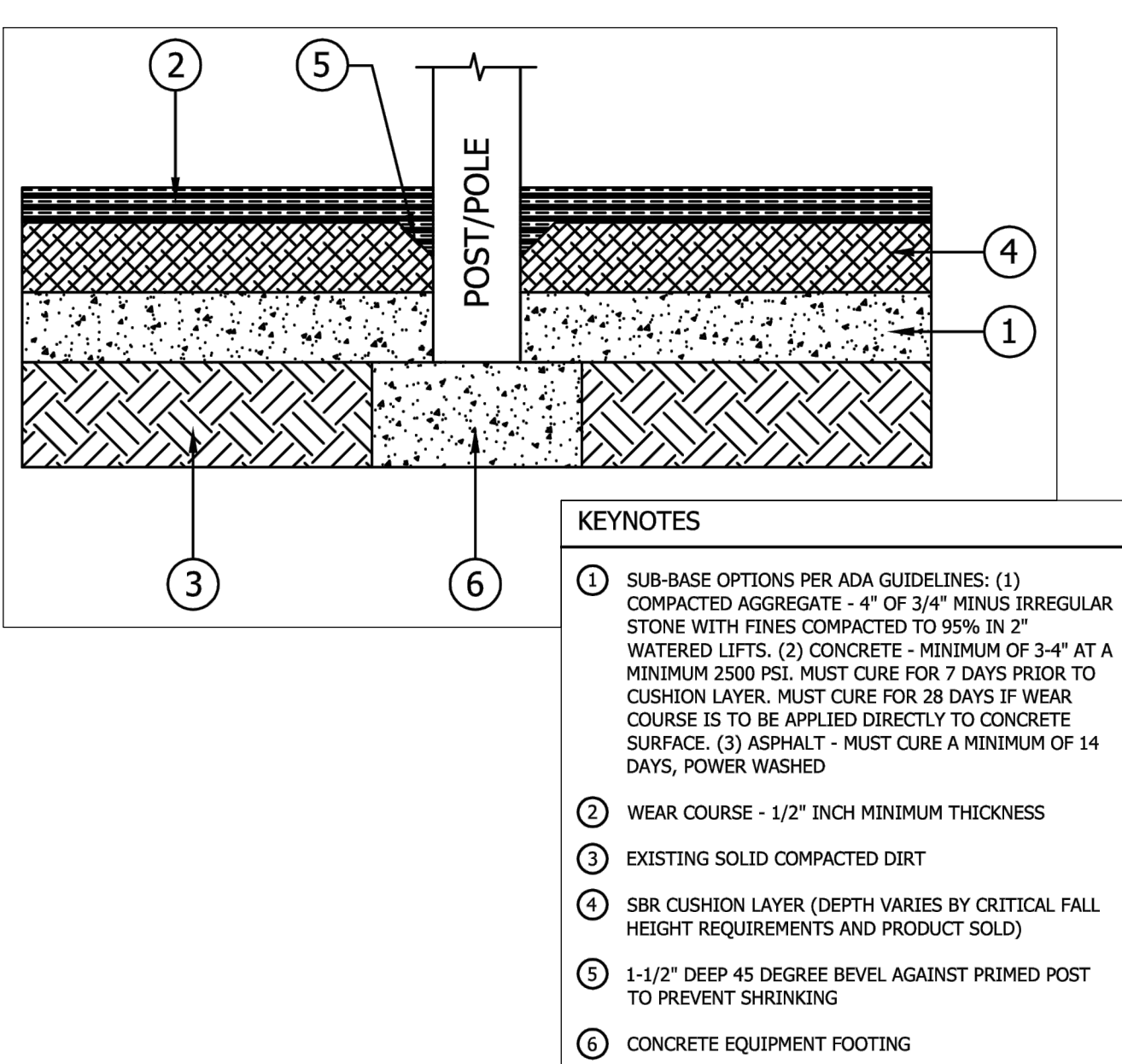
4 48" DIA STOCK MANHOLE BASE
L2.2
NTS



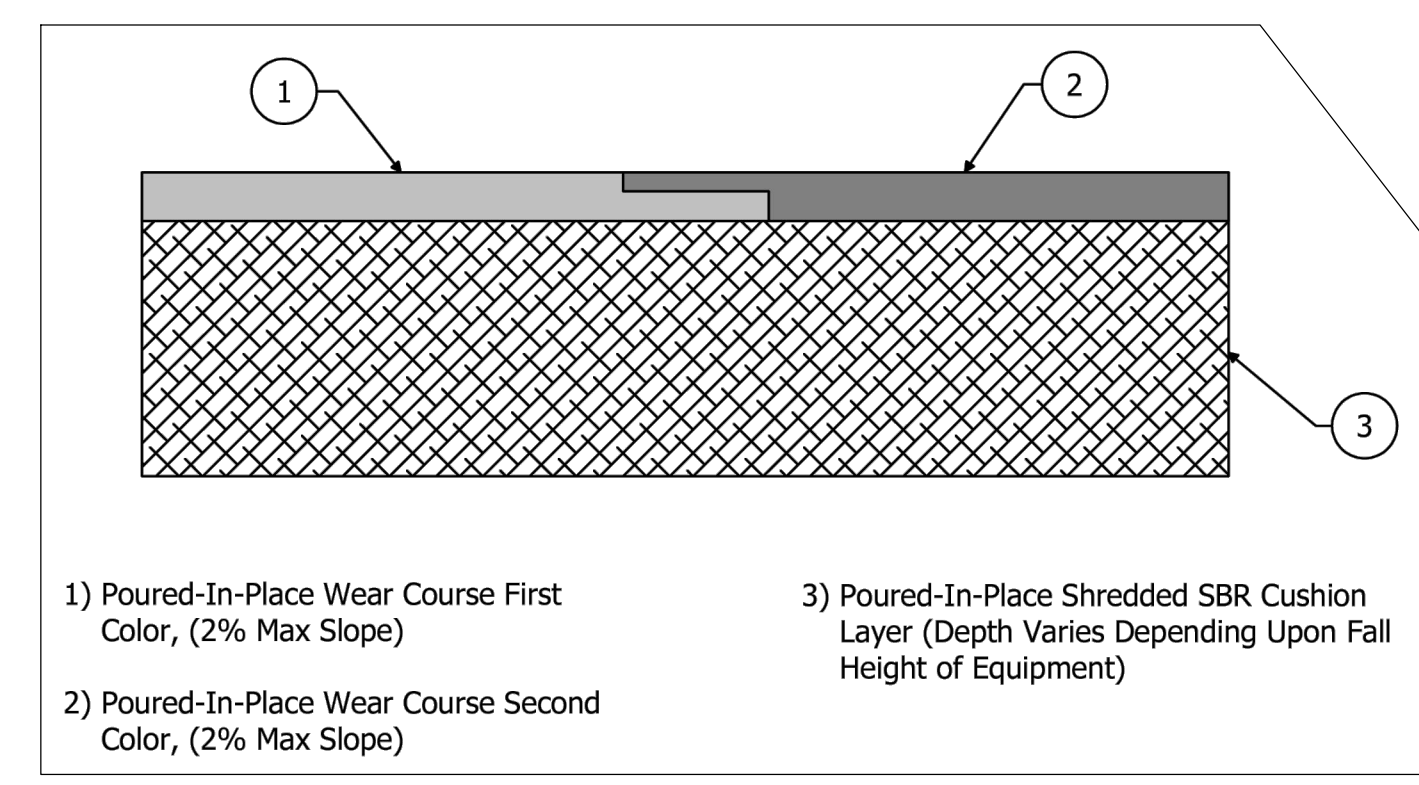
3 POUR IN PLACE RUBBER - SECTION THROUGH TUNNEL
L2.2



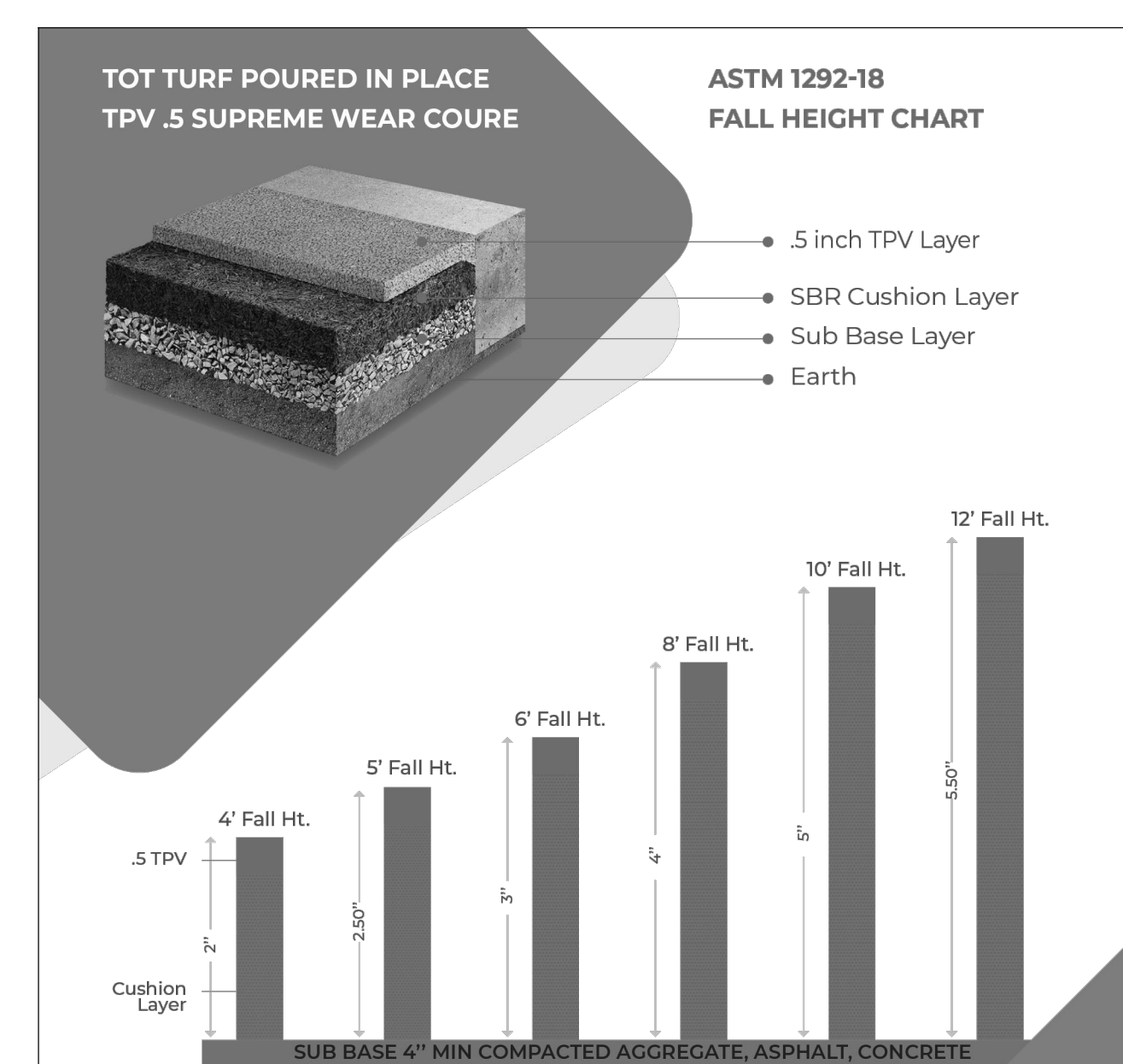
5 POURED-IN-PLACE RUBBER SUB-BASE ON SLOPE
L2.2



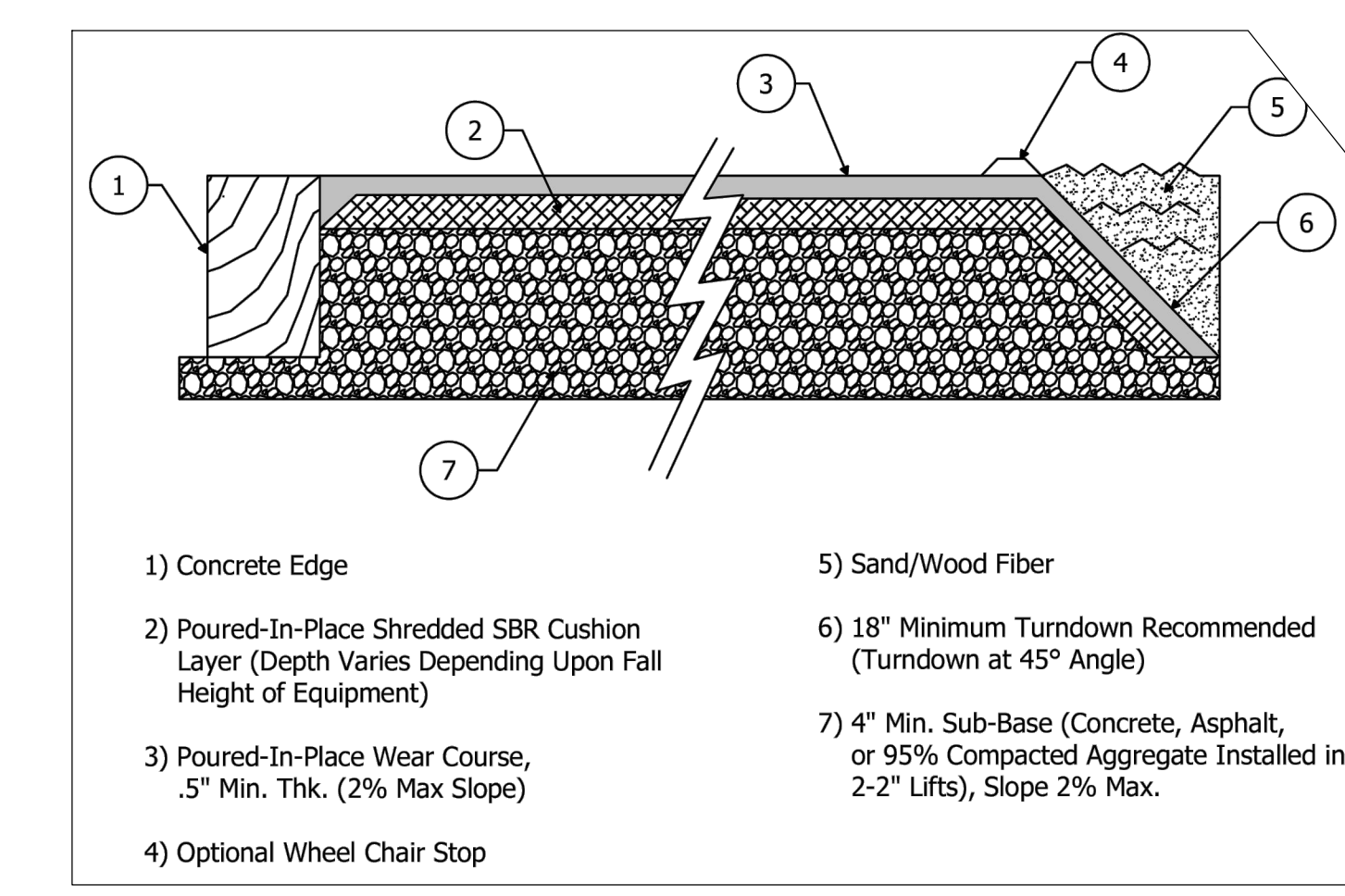
6 POUR-IN-PLACE RUBBER AT POST AND FOOTINGS
L2.2
NTS



7 POUR-IN-PLACE SURFACING - COLOR OVERLAP
L2.2
NTS



8 PIP FALL HEIGHT CHART
L2.2
NTS



9 POURED-IN-PLACE TURNDOWN TO SAND OR EWF
L2.2
NTS



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CHICO, CA 95928
(530) 899-1616
meltondg.com



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CONSTRUCTION
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PLOT DATE: 12-28-2023

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MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #:

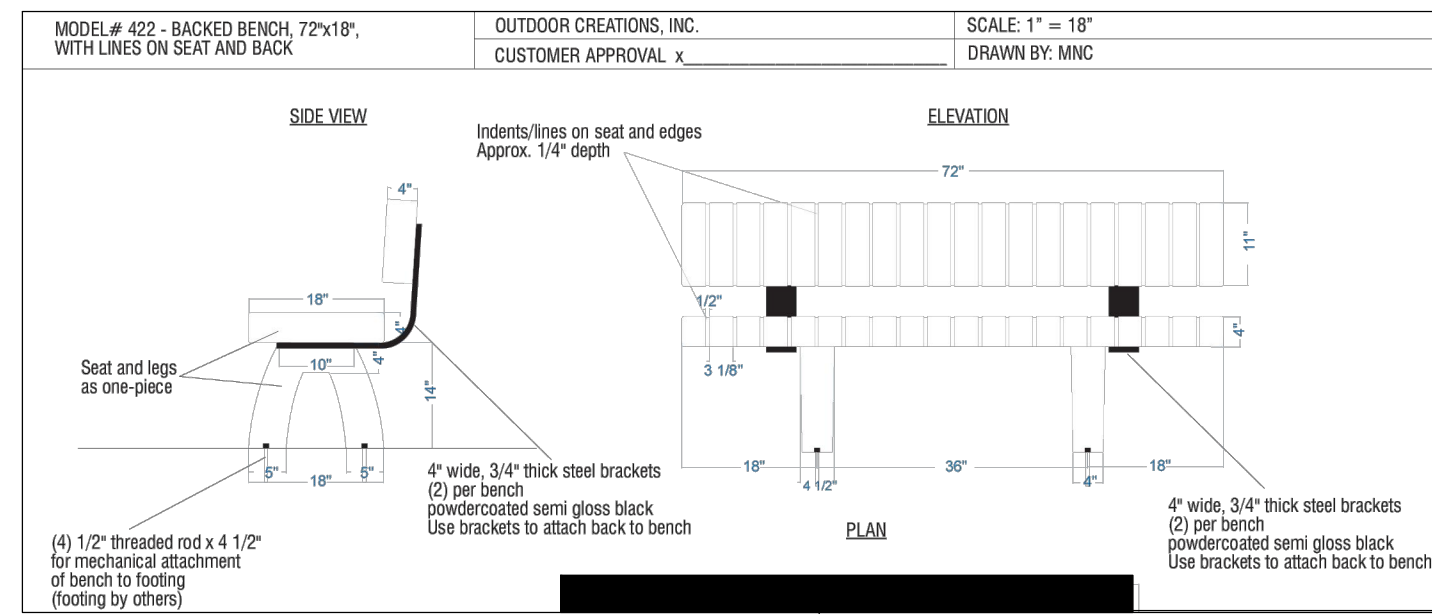
SHEET NUMBER

L2.2

SHEET 34 OF 47

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FILE NAME: G:\MDC\2500-2599\2537 McKinleyville BMX and Park\2537 L2.2.CON-DEFS.dwg
PLOT DATE: March 18, 2024 - 3:14 PM



MODEL #422 - BACKED BENCH, 72"x18", WITH LINES ON SEAT AND BACK
 OUTDOOR CREATIONS, INC.
 SCALE: 1" = 18"
 DRAWN BY: MDC

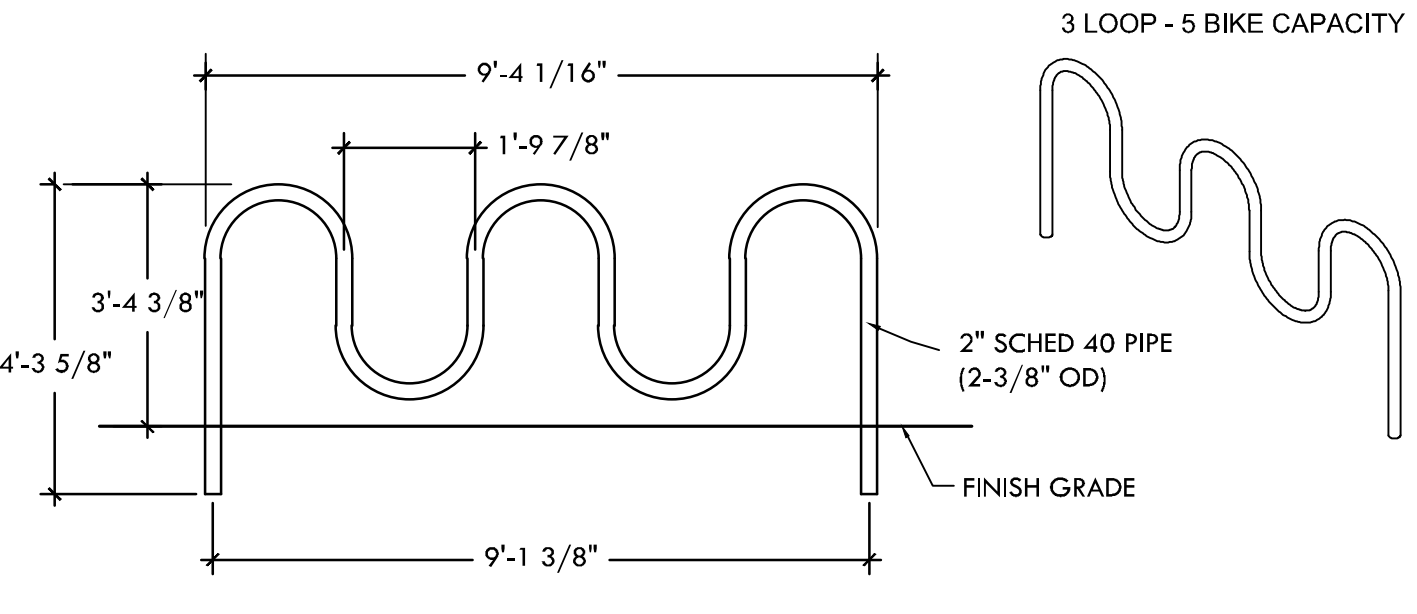
NOTES:
 1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
 2. Final product shall be reinforced with #4 and #5 rebar grid.
 3. Product is shipped as 1-piece with no assembly required.
 4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
 5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
 6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
 7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

INSTALLATION REQUIREMENTS:
 1. Bench requires epoxy applied to cover bottom of entire leg.
 2. Epoxy adhesive should be checked periodically to ensure continued adhesion.
 3. Bench must be mechanically attached.

WEIGHT: 875 LBS
TEXTURE: COLOR: SEALER:

OUTDOOR CREATIONS, INC.
 2270 Barney Street
 Anderson, CA 96007
 (530) 365-6106
 FAX: (530) 365-5129

1 OUTDOOR CREATIONS BENCH (NEW)
 L2.3



MODEL #101FSS - 72" CONCRETE PICNIC TABLE WITH SQUARE LEGS

NOTES:
 1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. COLOR (FINISH)- TO BE BLACK POWDERCOAT

MADRAX DIVISION
TRILARY, INC.
 2210 PINEHURST DRIVE
 MIDDLETON, WI 53562
 P(800) 448-7931, P(608) 831-9040,
 F(608) 831-7623
 WWW.MADRAX.COM,
 E-MAIL: SALES@MADRAX.COM

SECTION VIEW
 FINISH GRADE
 (E) CONCRETE PAVING
 3/8" ANCHOR ROD THRU HOLE (INCLUDED BY MADRAX)
 CONCRETE FOOTING
 AGGREGATE
 NATIVE SOIL
 10" DIAMETER

2 BIKE RACK
 L2.3

MOUNTING INSTRUCTIONS and PLUMBING CONNECTIONS
 Provide solid, well-drained surface to mount pedestal fountain (concrete pad recommended). Mount on a smooth, flat, finished surface with adequate support (300 lb. load minimum). Secure unit with (8) 3/8" minimum fasteners (not included). Refer to rough-in. Should be attached firmly to mounting surface in order to secure unit.

Modified low stream height bubbler for pet fountain.

Locate and install plumbing through ground as required.

NOTE: Unit is not furnished with service valve.

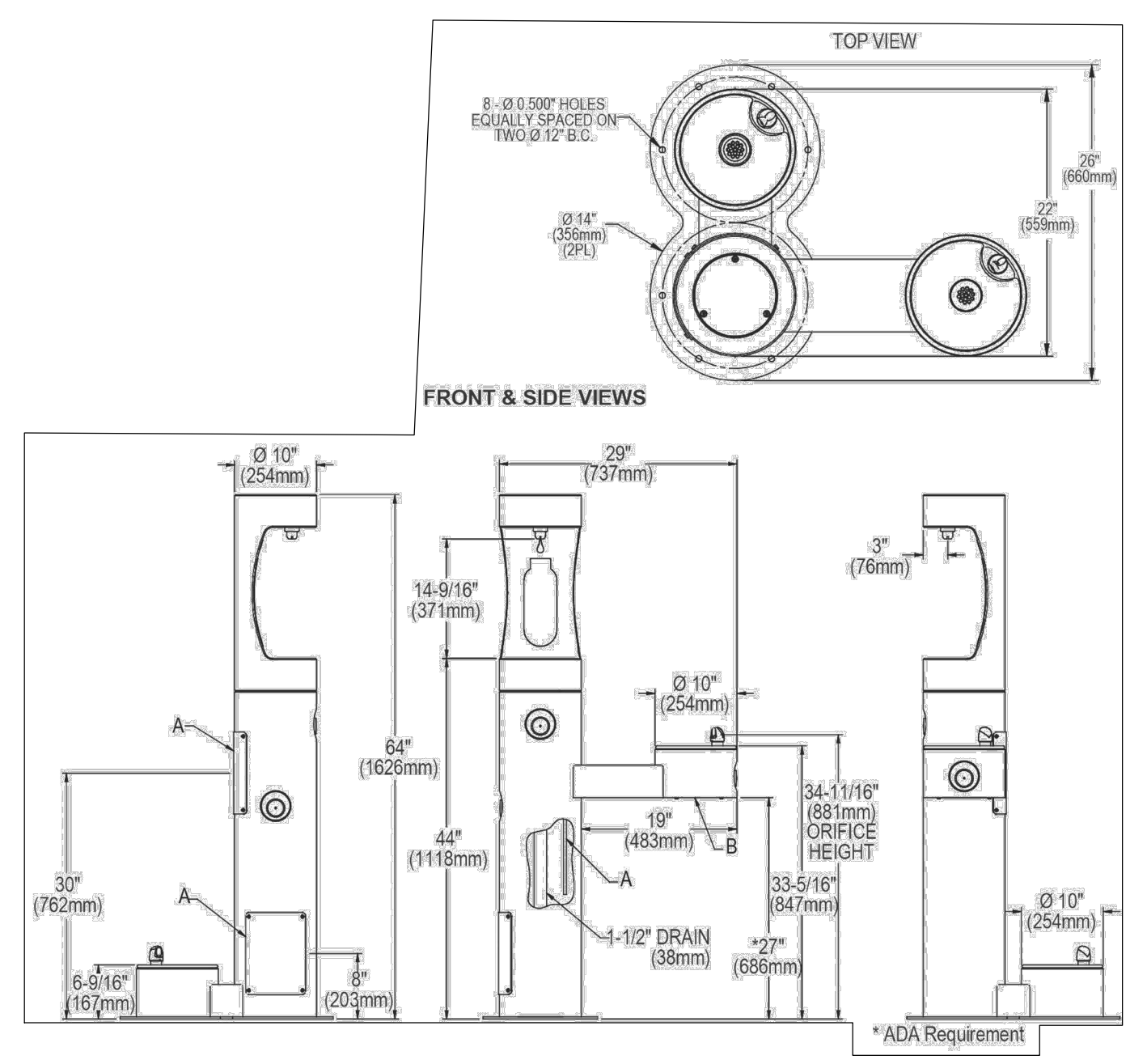
Position pedestal over plumbing and secure base to fasteners. Remove access panels and connect supply and water lines. Turn on water supply and check for leaks. Reassemble access panels to pedestal.

Trap and service stop not included.

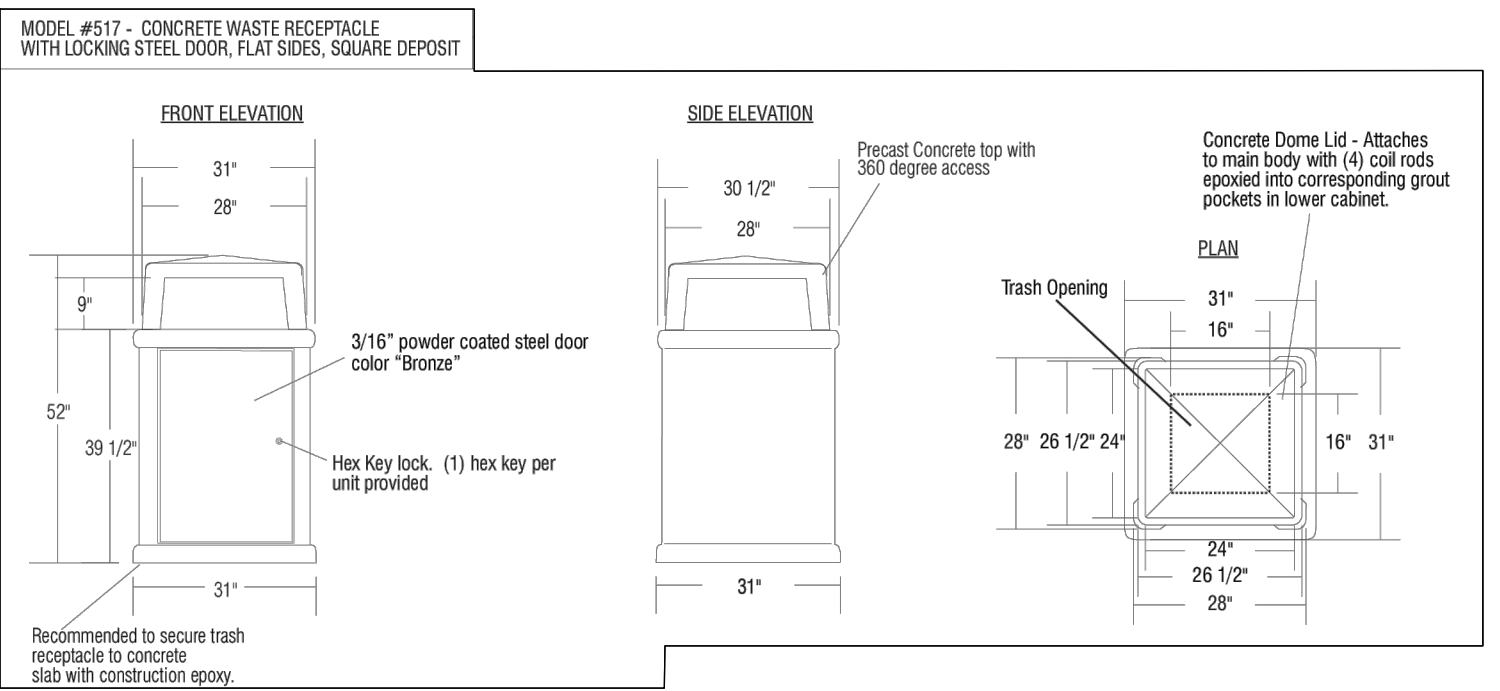
A = 3/8" O.D. Unplated copper tube connect. Shut off valve by others.
 B = Access panel (8" x 10").
 C = Removable bottom cover.

Note: New Installations Must Use Ground Fault Circuit Interrupter (GFCI).

3 DRINKING FOUNTAIN
 NTS



3 DRINKING FOUNTAIN
 NTS



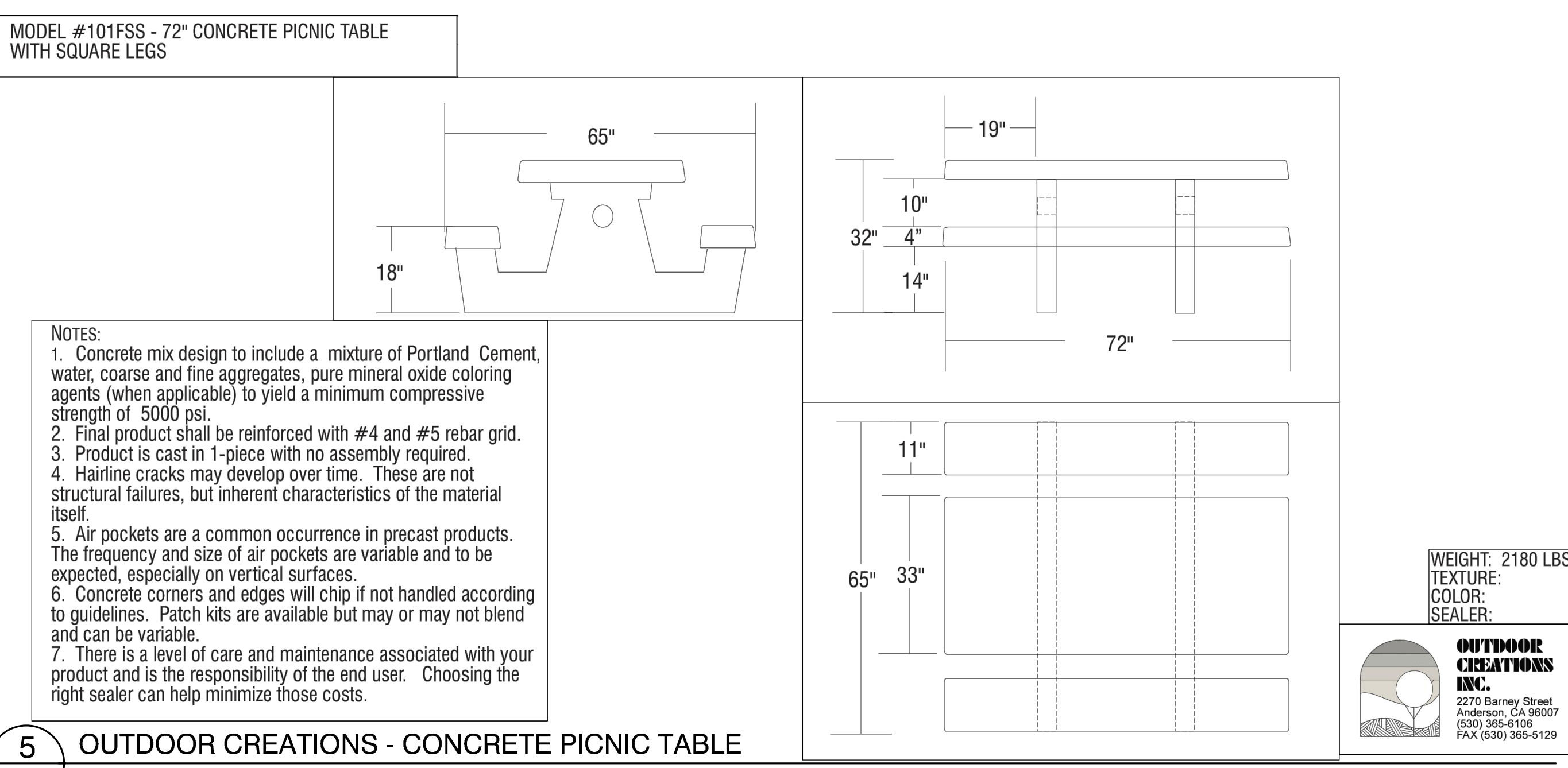
MODEL #517 - CONCRETE WASTE RECEPTACLE WITH LOCKING STEEL DOOR, FLAT SIDES, SQUARE DEPOSIT

NOTES:
 1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
 2. Final product shall be reinforced with #4 and #5 rebar grid.
 3. Product is cast in 1-piece with no assembly required.
 4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
 5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
 6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
 7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 2180 LBS
TEXTURE: COLOR: SEALER:

OUTDOOR CREATIONS, INC.
 2270 Barney Street
 Anderson, CA 96007
 (530) 365-6106
 FAX: (530) 365-5129

4 OUTDOOR CREATIONS - TRASH / RECYCLE
 L2.3



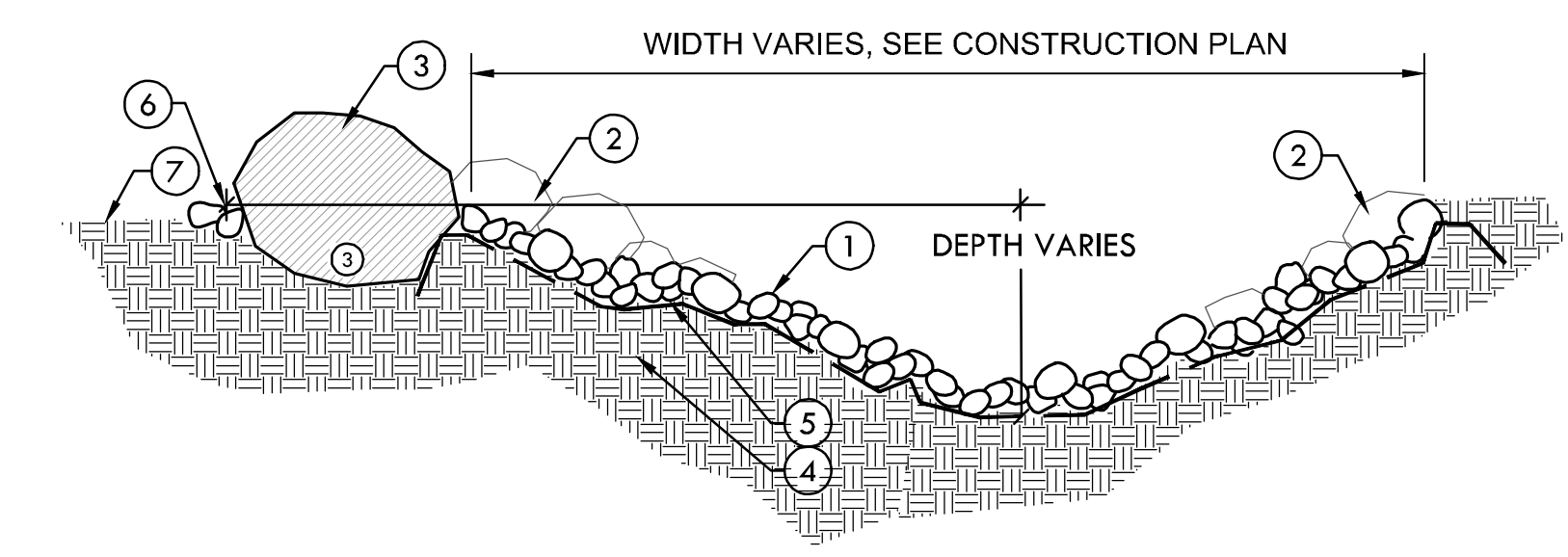
5 OUTDOOR CREATIONS - CONCRETE PICNIC TABLE
 L2.3

MODEL #101FSS - 72" CONCRETE PICNIC TABLE WITH SQUARE LEGS

NOTES:
 1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
 2. Final product shall be reinforced with #4 and #5 rebar grid.
 3. Product is cast in 1-piece with no assembly required.
 4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
 5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
 6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
 7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

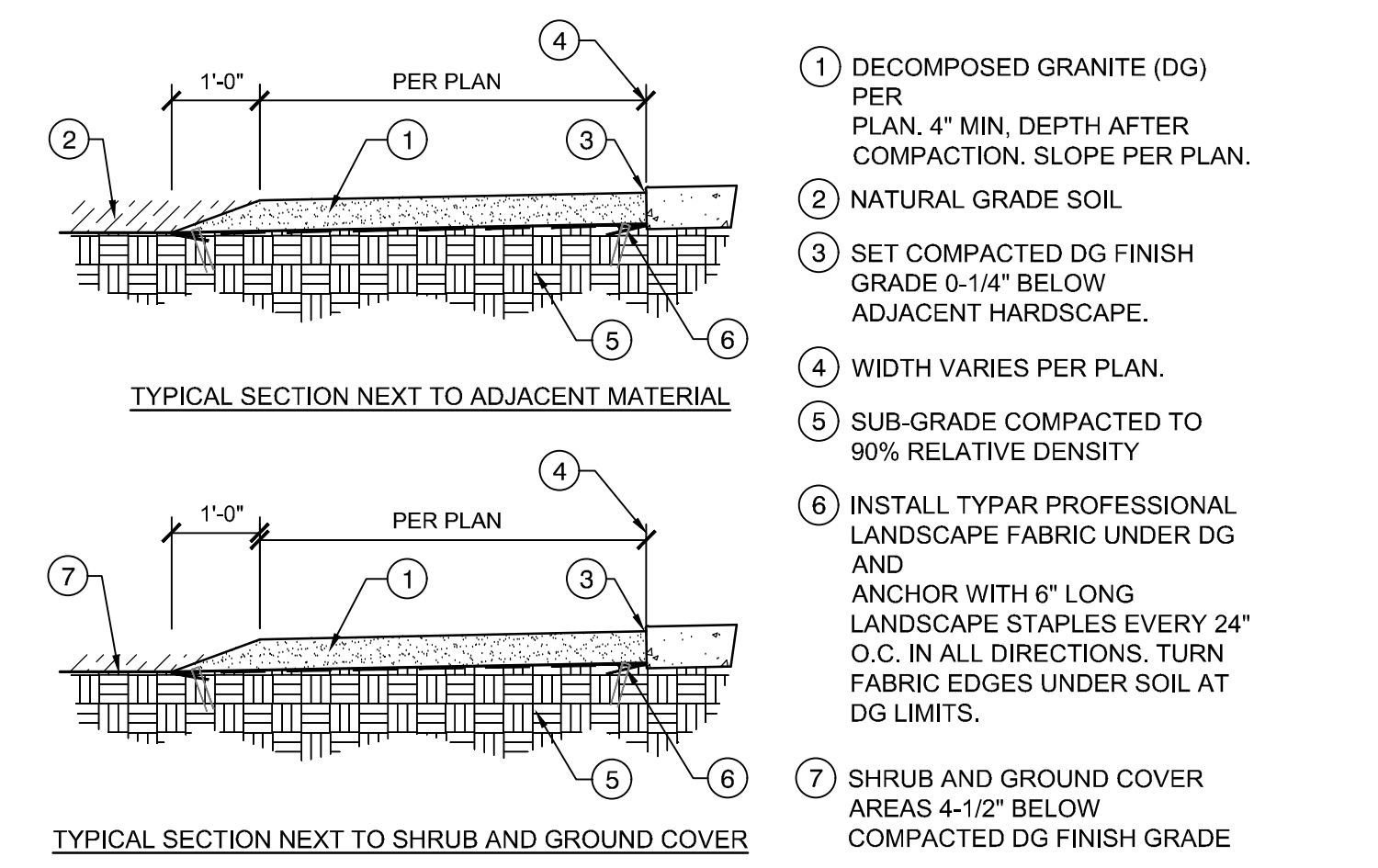
WEIGHT: 2180 LBS
TEXTURE: COLOR: SEALER:

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- ① 4" TO 8" RIVER WASHED COBBLE BROWN/TAN. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.
- ② BOULDERS PER PLAN, BROWN/TAN (30% - 75%), VARIOUS SIZE, RANDOM SIZE LAYOUT.
- ③ INSTALL BOULDER SUCH THAT 1/3 OF BOULDERS ARE BENEATH GRADE
- ④ UNDISTURBED SUBGRADE OR COMPACTED TO 90% RELATIVE DENSITY
- ⑤ 10 MIL. WEED BARRIER. ALL EDGES TO BE HIDDEN FROM VIEW. TUCK WEED BARRIER UNDER 3" MINIMUM SOIL AND PIN AT 4' O.C. W/ 6" U-PINS.
- ⑥ PROVIDE POSITIVE DRAINAGE INTO COBBLED AREA. SEE THIS PLAN.
- ⑦ FINISH GRADE

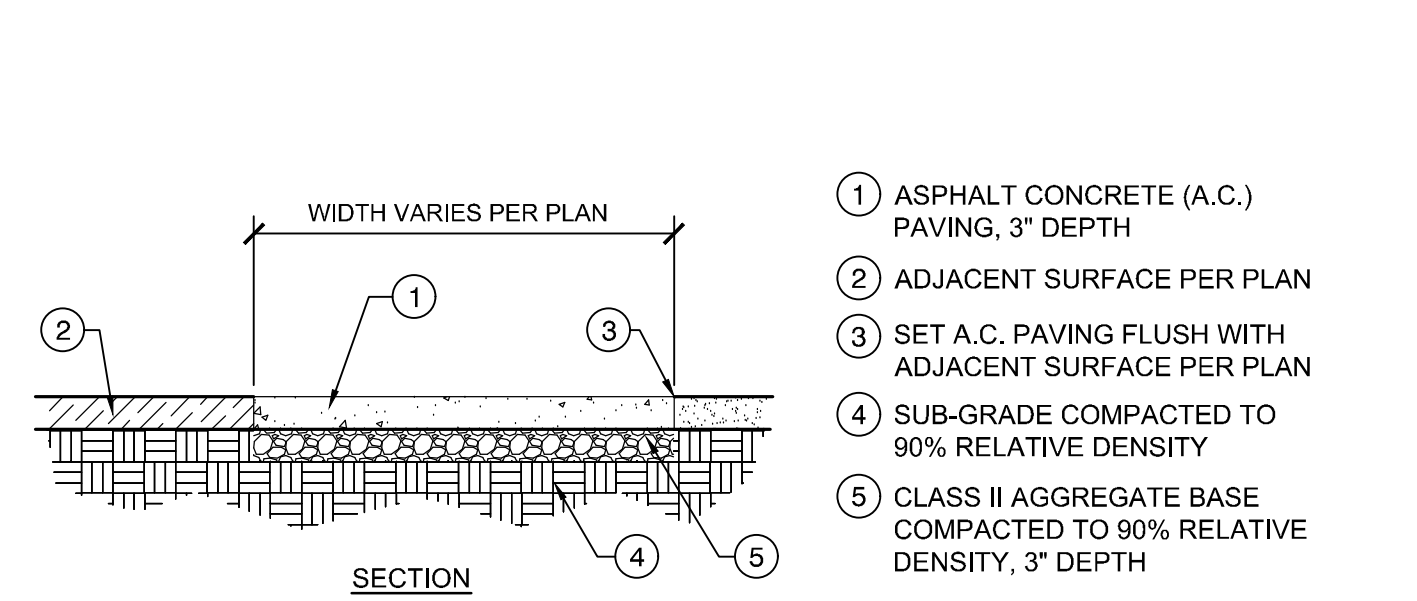
6 DRY CREEK
 L2.3



MODEL #101FSS - 72" CONCRETE PICNIC TABLE WITH SQUARE LEGS

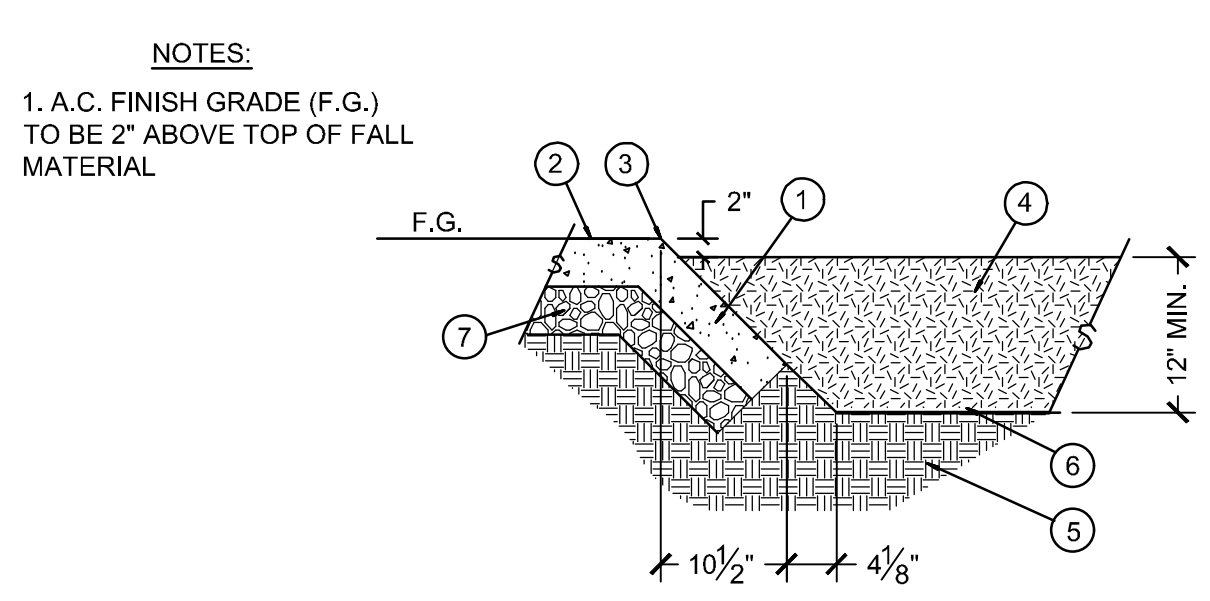
NOTES:
 1. DECOMPOSED GRANITE SHALL BE QUARRY FINES, 1/4 INCH OR LESS. COLOR: GOLD. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT.
 2. APPLY WEED KILLER AND PRE-EMERGENT TO DG AREAS PRIOR TO PLACEMENT OF DG.
 3. INSTALL IN 2 EQUAL LIFTS.
 4. AFTER PLACEMENT OF EACH LIFT, THOROUGHLY WATER UNTIL ENTIRE DEPTH IS MOIST. COMPACT WITH A 1,000 TO 3,000 LB ROLLER AFTER GRADING AND WETTING.

7 DECOMPOSED GRANITE PATH & PLANTER
 N.T.S.



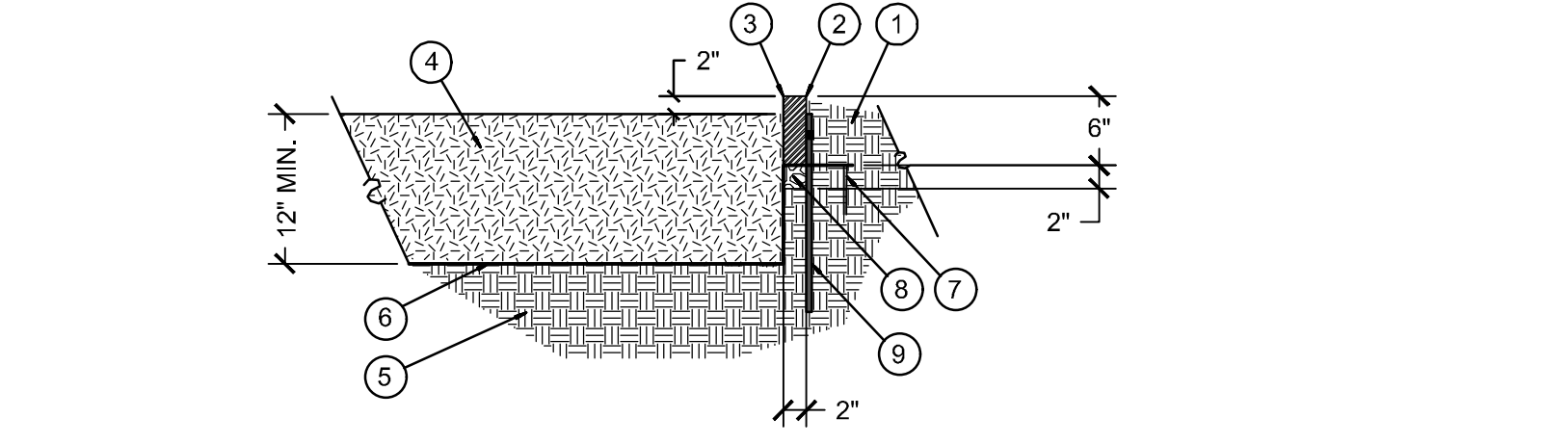
NOTES:
 1. FOR A.C. ADJACENT TO ENGINEERED WOOD FIBER SURFACE SEE CORRESPONDING DETAIL (9/L2.3)

8 ASPHALT
 N.T.S.



- ① EDGE OF A.C., 1'-0" MIN. RUNOUT WHERE ADJACENT TO ENGINEERED WOOD FIBER
- ② A.C. PAVING PER PLAN
- ③ 4" RADIUS TOOLED EDGE
- ④ FALL SURFACING LOOSE FILL ENGINEERED WOOD FIBER TESTED TO BE ADA ACCESSIBLE. MANUFACTURED BY SUN-UP PRODUCTS (800) 222-2551. ORDER 125% OF REQUIRED VOLUME TO ALLOW FOR SETTLING.
- ⑤ COMPACTED SUBGRADE TO 95%
- ⑥ SOIL SEPARATOR FABRIC, DEWITT 4.1 OZ., 20 YEAR FABRIC (EQUAL OR BETTER)
- ⑦ 4" LAYER OF CLASS #2 AGGREGATE BASE COMPACTED TO 95% RELATIVE DENSITY.

9 ENGINEERED WOOD FIBER
 N.T.S.

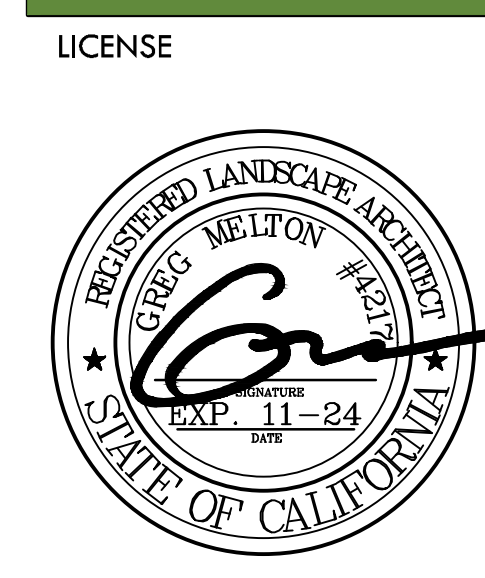


- ① LANDSCAPE AREA PER PLAN
- ② PRESSURE-TREATED LUMBER EDGE, SET TOP FLUSH WITH ADJACENT LANDSCAPE AREA
- ③ TOP OF PRESSURE-TREATED LUMBER EDGE, SET 2" ABOVE ENGINEERED WOOD FIBER
- ④ FALL SURFACING LOOSE FILL ENGINEERED WOOD FIBER TESTED TO BE ADA ACCESSIBLE. MANUFACTURED BY SUN-UP PRODUCTS (800) 222-2551. ORDER 125% OF REQUIRED VOLUME TO ALLOW FOR SETTLING.
- ⑤ COMPACTED SUBGRADE TO 95%
- ⑥ SOIL SEPARATOR FABRIC, DEWITT 4.1 OZ., 20 YEAR FABRIC (EQUAL OR BETTER)
- ⑦ TURN DOWN FABRIC, RUN OUT 4" MIN. AND CLIP WITH 6" GALVANIZED SOIL STAPLES
- ⑧ 2" LAYER OF CLASS #2 AGGREGATE BASE COMPACTED TO 95% RELATIVE DENSITY.
- ⑨ #4 REBAR, 18" LENGTH, SECURE TO PRESSURE TREATED LUMBER EDGE WITH STEEL BRACKETS AND WOOD SCREWS.

10 PRESSURE-TREATED LUMBER EDGE
 L2.3



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PROJECT
 BMX TRACK AND PARK PROJECT

SHEET TITLE
 CONSTRUCTION DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

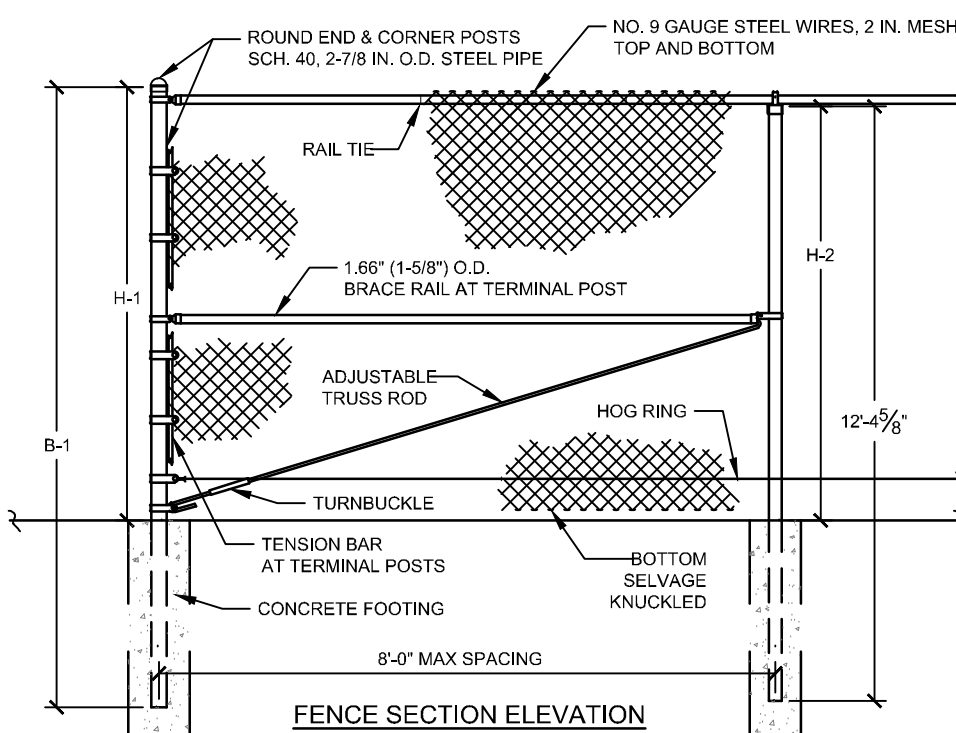
PLOT DATE: 12-28-2023

PROJECT NUMBERS
 MELTON DESIGN GROUP: 2537
 CONSULTANT PROJECT #:

SHEET NUMBER

L2.3

FILE NAME: G:\MDC\2500-2599\2537-Mckinleyville BMX and Park\2537-L2.3-CON-DEFS.dwg
 PLOT DATE: March 19, 2024 - 3:14 PM

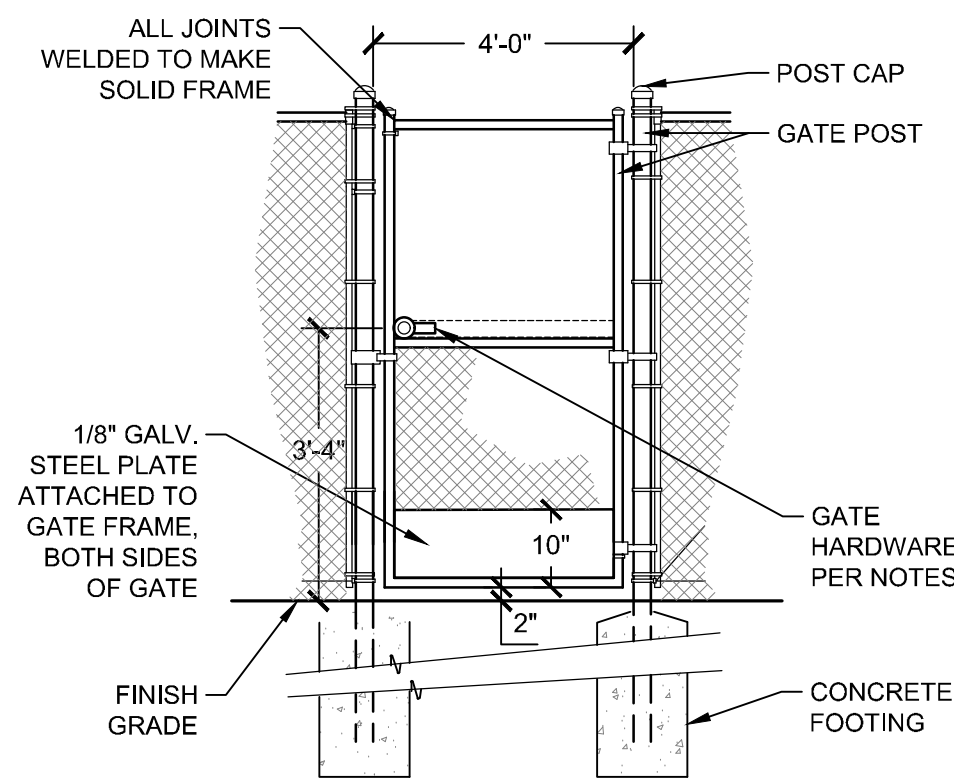


FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
4'-0" (1219MM)	7'-0" (2137MM)	4'-0 5/8" (1235MM)	6'-8" (2032MM)	3'-8 7/8" (1140MM)
6'-0" (1829MM)	9'-0" (2743MM)	6'-0 5/8" (1845MM)	8'-8" (2642MM)	5'-8 7/8" (1749MM)

- NOTES:
- FOOTINGS TO BE CONCRETE (4)X POST WIDTH. MINIMUM DEPTH 36" (914MM), TYPICAL.
 - ALL STEEL FRAMEWORK AND APPURTENANCES TO BE GALVANIZED PER SPECIFICATIONS.
 - POUR FOOTING WITH SLEEVE FOR FENCE POSTS WHEN FENCE IS ON CURB WALL. EPOXY POST IN SLEEVE.
 - FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL WELDS TO BE 1/8" FILLET AT HORIZ TO POST WHERE NEEDED, AND GROUND SMOOTH ALL WELDS.
 - FIELD VERIFY ALL DIMENSIONS AND SUBMIT SHOP DRAWINGS WITH ALL MATERIALS AND PARTS TO OWNER REPRESENTATIVE FOR REVIEW AND APPROVAL.
 - VERIFY POST AND FOOTING SIZES WITH MANUFACTURER'S SPECIFICATIONS AND WIND LOAD REQUIREMENTS.
 - FORCE TO OPEN GATE NOT TO EXCEED 5 LBS.
 - 4'H FENCE MAY NOT REQUIRE BRACE RAIL. VERIFY WITH MANUFACTURER'S SPECIFICATIONS

1 CHAINLINK FENCE (MULTIPLE HEIGHTS)

L2.4 NTS



GATE SECTION (HEIGHT VARIES PER PLAN)

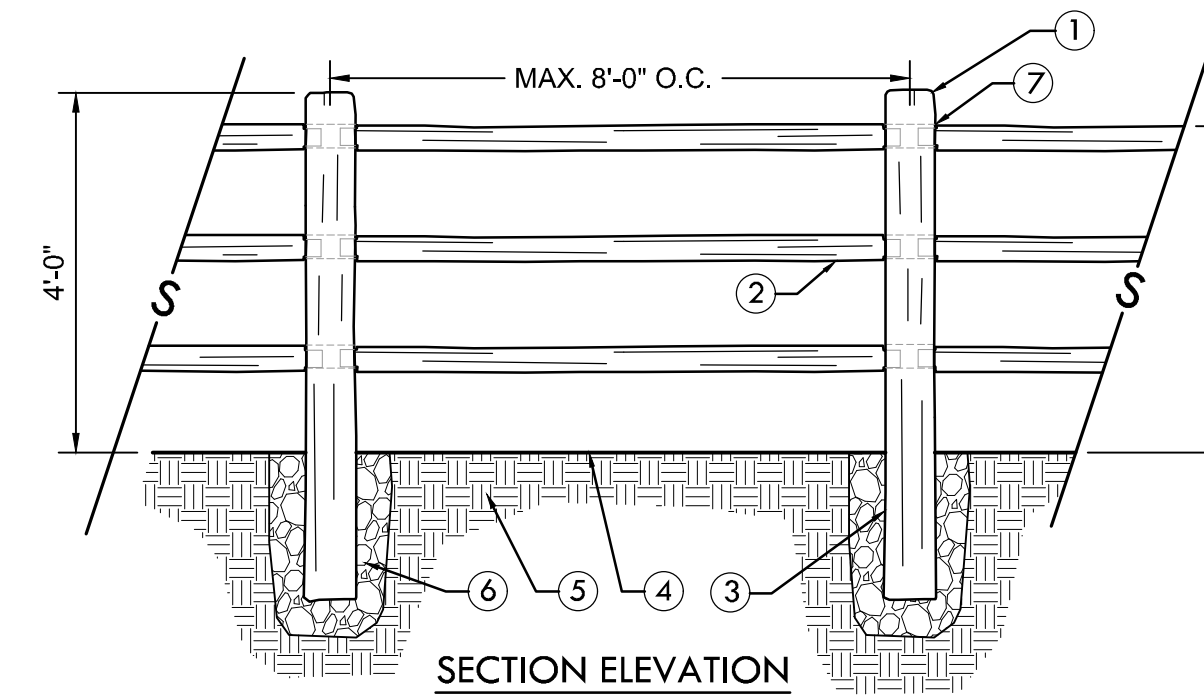
- NOTES:
- FOOTINGS TO BE CONCRETE (4)X POST WIDTH. MINIMUM DEPTH 36" (914MM), TYPICAL.
 - ALL STEEL FRAMEWORK AND APPURTENANCES TO BE GALVANIZED PER SPECIFICATIONS.
 - POUR FOOTING WITH SLEEVE FOR FENCE POSTS WHEN FENCE IS ON CURB WALL. EPOXY POST IN SLEEVE.
 - FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL WELDS TO BE 1/8" FILLET AT HORIZ TO POST WHERE NEEDED, AND GROUND SMOOTH ALL WELDS.
 - FIELD VERIFY ALL DIMENSIONS AND SUBMIT SHOP DRAWINGS WITH ALL MATERIALS AND PARTS TO OWNER REPRESENTATIVE FOR REVIEW AND APPROVAL.
 - VERIFY POST AND FOOTING SIZES WITH MANUFACTURER'S SPECIFICATIONS AND WIND LOAD REQUIREMENTS.
 - FORCE TO OPEN GATE NOT TO EXCEED 5 LBS.
 - 4'H FENCE MAY NOT REQUIRE BRACE RAIL. VERIFY WITH MANUFACTURER'S SPECIFICATIONS

2 GATE - CHAIN LINK FENCE (MULTIPLE HEIGHTS)

L2.4 NTS

GATE HARDWARE SYSTEM NOTES:

1. PANIC BAR COMPONENTS:
VON DUPRIN 48" 98 EO, CYLINDER DOGGING, ALUMINUM.
VON DUPRIN 996L NL
VON DRUPIN 996 DUMMY LEVER PULL ONLY
2. KEY SYSTEM COMPONENTS:
SCHLAGE RIM CYLINDER HOUSING WITH IC CORE
SCHLAGE MORTISE CYLINDER HOUSING WITH IC CORE
3. GATE CLOSER:
LOCINOX HYDRAULIC HD GATE CLOSER/PIVOTS
4. PANIC SHIELD MESH TO MATCH EXISTING. MAINTAIN MINIMUM 18" FROM PANIC BAR
5. CONTRACTOR TO PROVIDE CUTSHEETS OF ALL HARDWARE FOR REVIEW AND APPROVAL BY OWNER REPRESENTATIVE PRIOR TO ORDERING AND INSTALLATION.
6. INSTALL ALL EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.



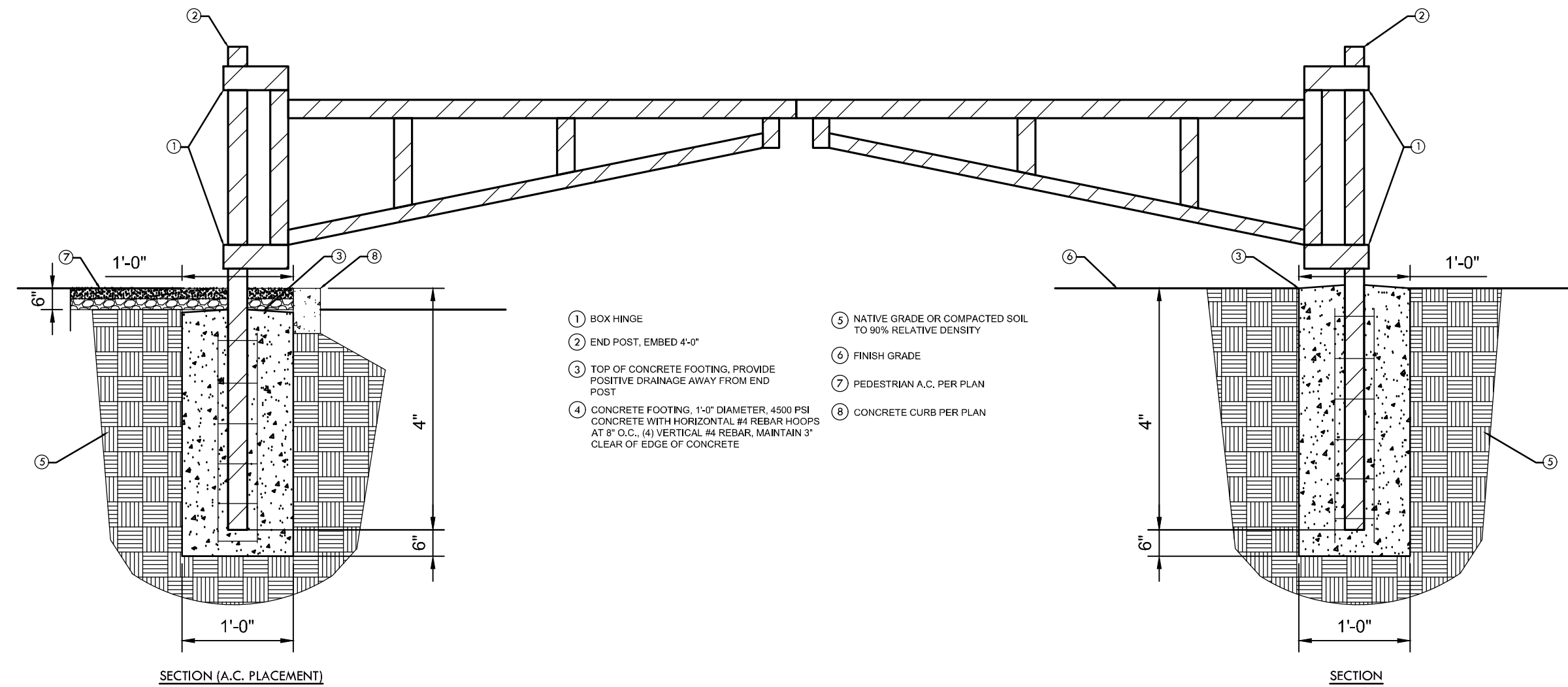
SECTION ELEVATION

- 6"x6" "SPLIT" CEDAR FENCE POST.
- 3"x5"x8" "SPLIT" CEDAR RAIL. REJECT ALL RAILS WITH MAJOR SPLITS.
- POSTS SET IN CLASS II AGG. BASE GRAVEL, 24" MINIMUM DEPTH, COMPACTED TO 90% RELATIVE DENSITY.
- FINISH GRADE.
- NATIVE GRADE OR COMPACTED SOIL TO 90% RELATIVE DENSITY
- BACKFILL WITH GRAVEL AND ADD MINIMAL WATER TO COMPACT.
- FASTEN RAIL TO POST WITH WOOD SCREW ON BACK SIDE OF POST THAT WILL GO THROUGH POST RAIL AND INTO POST ON OTHER SIDE.

- NOTE:
- APPLY WATER REPELLENT WOOD PRESERVATIVE TO POSTS AND RAILS, AFTER FINAL CUTS AND PRIOR TO INSTALLATION. (PROVIDE CUT SHEET FOR PRODUCT APPROVAL)
 - ALL DIMENSIONS ARE APPROX., AND WILL VARY W/ POST INSTALLATION DEPTH. POST SPACING WILL VARY WITH LENGTH OF RAILS AND INSTALLATION PROCEDURE.

3 4H THREE-RAIL FENCE

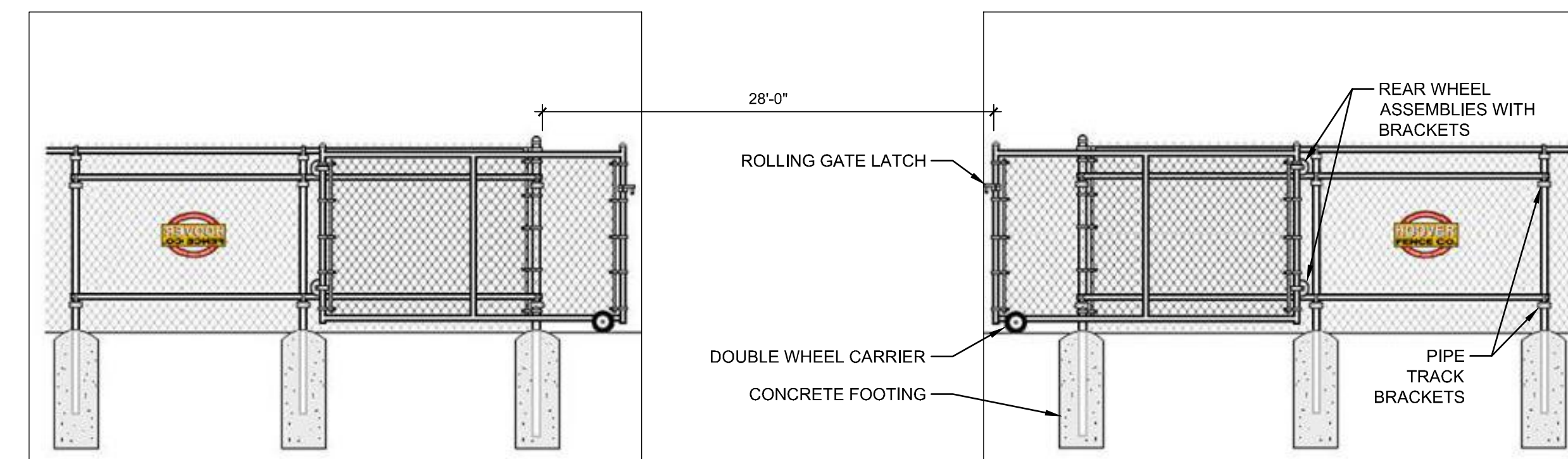
L2.4 NTS



- BOX HINGE
- END POST, EMBED 4'-0"
- TOP OF CONCRETE FOOTING, PROVIDE POSITIVE DRAINAGE AWAY FROM END POST
- CONCRETE FOOTING, 1'-0" DIAMETER, 4800 PSI CONCRETE WITH HORIZONTAL #4 REBAR HOOPS AT 8" O.C., 4" VERTICAL. REBAR MAINTAIN 2" CLEAR OF EDGE OF CONCRETE.
- NATIVE GRADE OR COMPACTED SOIL TO 90% RELATIVE DENSITY
- FINISH GRADE
- PEDESTRIAN A.C. PER PLAN
- CONCRETE CURB PER PLAN

4 STEEL PARKING BARRIER, DOUBLE SWING

L2.4 NTS



- NOTES:
- FOOTINGS TO BE CONCRETE (4)X POST WIDTH. MINIMUM DEPTH 36" (914MM), TYPICAL.
 - ALL STEEL FRAMEWORK AND APPURTENANCES TO BE GALVANIZED PER SPECIFICATIONS.
 - POUR FOOTING WITH SLEEVE FOR FENCE POSTS WHEN FENCE IS ON CURB WALL. EPOXY POST IN SLEEVE.
 - FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL WELDS TO BE 1/8" FILLET AT HORIZ TO POST WHERE NEEDED, AND GROUND SMOOTH ALL WELDS.
 - FIELD VERIFY ALL DIMENSIONS AND SUBMIT SHOP DRAWINGS WITH ALL MATERIALS AND PARTS TO OWNER REPRESENTATIVE FOR REVIEW AND APPROVAL.
 - VERIFY POST AND FOOTING SIZES WITH MANUFACTURER'S SPECIFICATIONS AND WIND LOAD REQUIREMENTS.
 - FORCE TO OPEN GATE NOT TO EXCEED 5 LBS.
 - 4'H FENCE MAY NOT REQUIRE BRACE RAIL. VERIFY WITH MANUFACTURER'S SPECIFICATIONS

5 GATE - CHAIN LINK - ROLLING

L2.4 NTS

FILE NAME: G:\MDS\2500-2599\2537 McKinleyville BMX and Park\2537 CAD CD\ SHEETS\2537-L2.CON-DEFS.dwg

PLOT DATE: March 18, 2024 - 3:14 PM



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PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

CONSTRUCTION
DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PLOT DATE: 12-28-2023

PROJECT NUMBERS

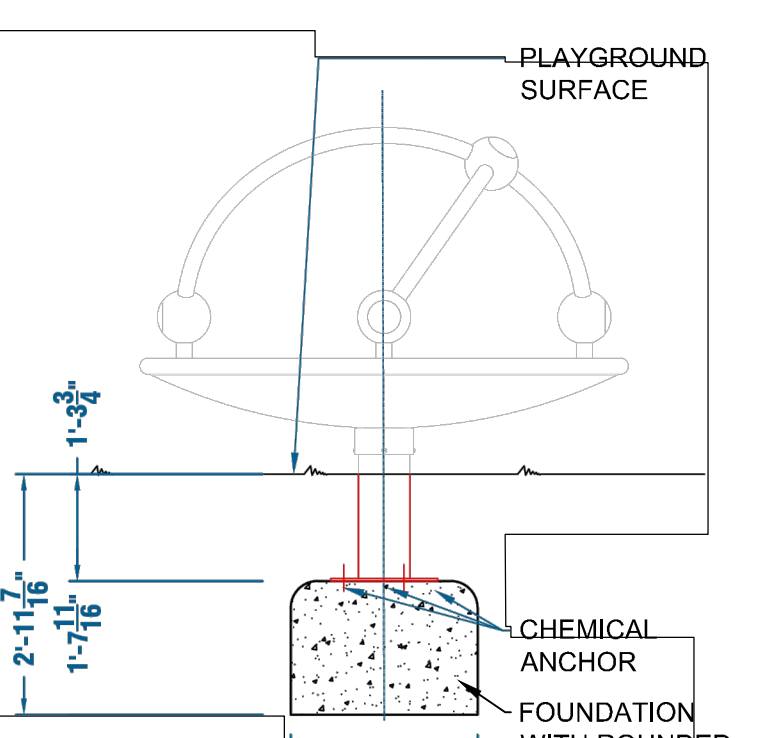
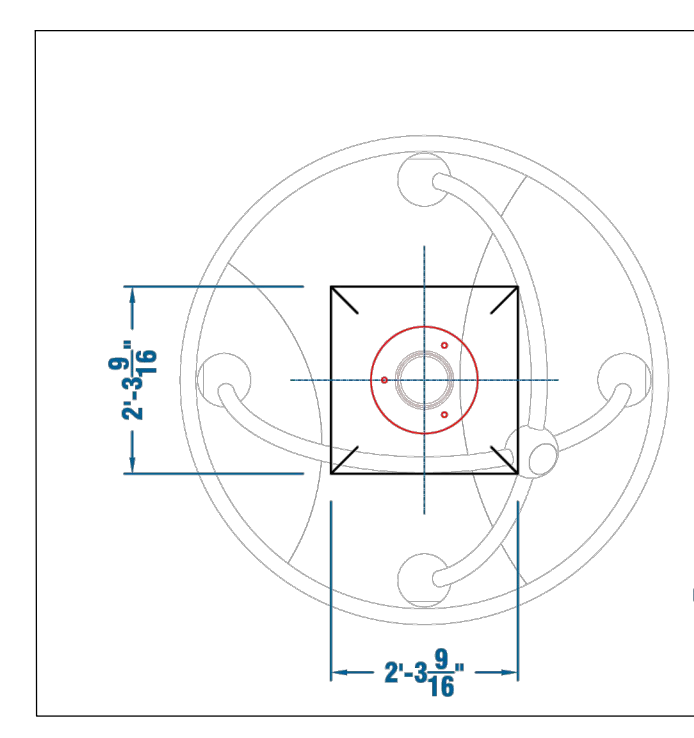
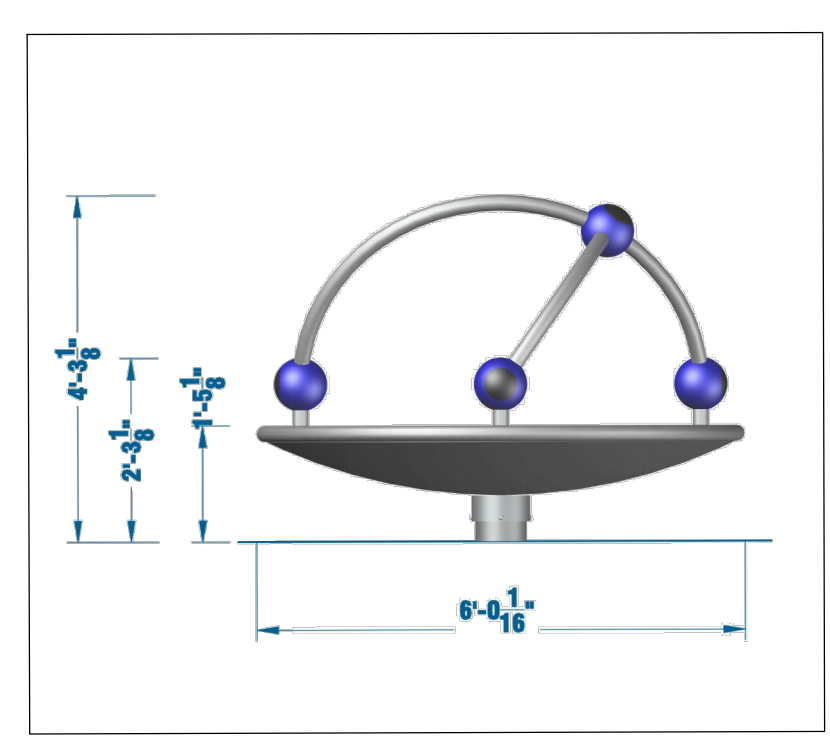
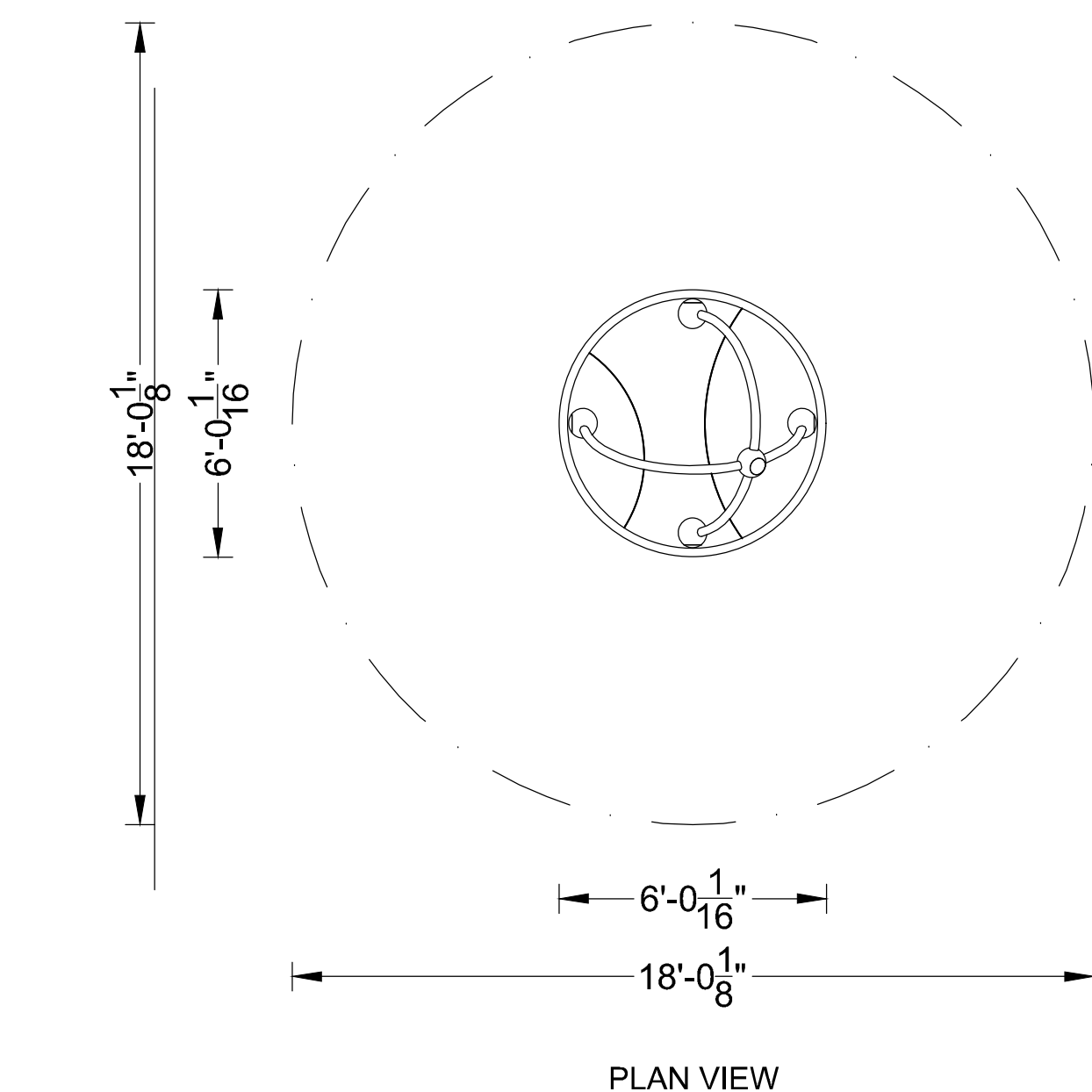
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #:

SHEET NUMBER

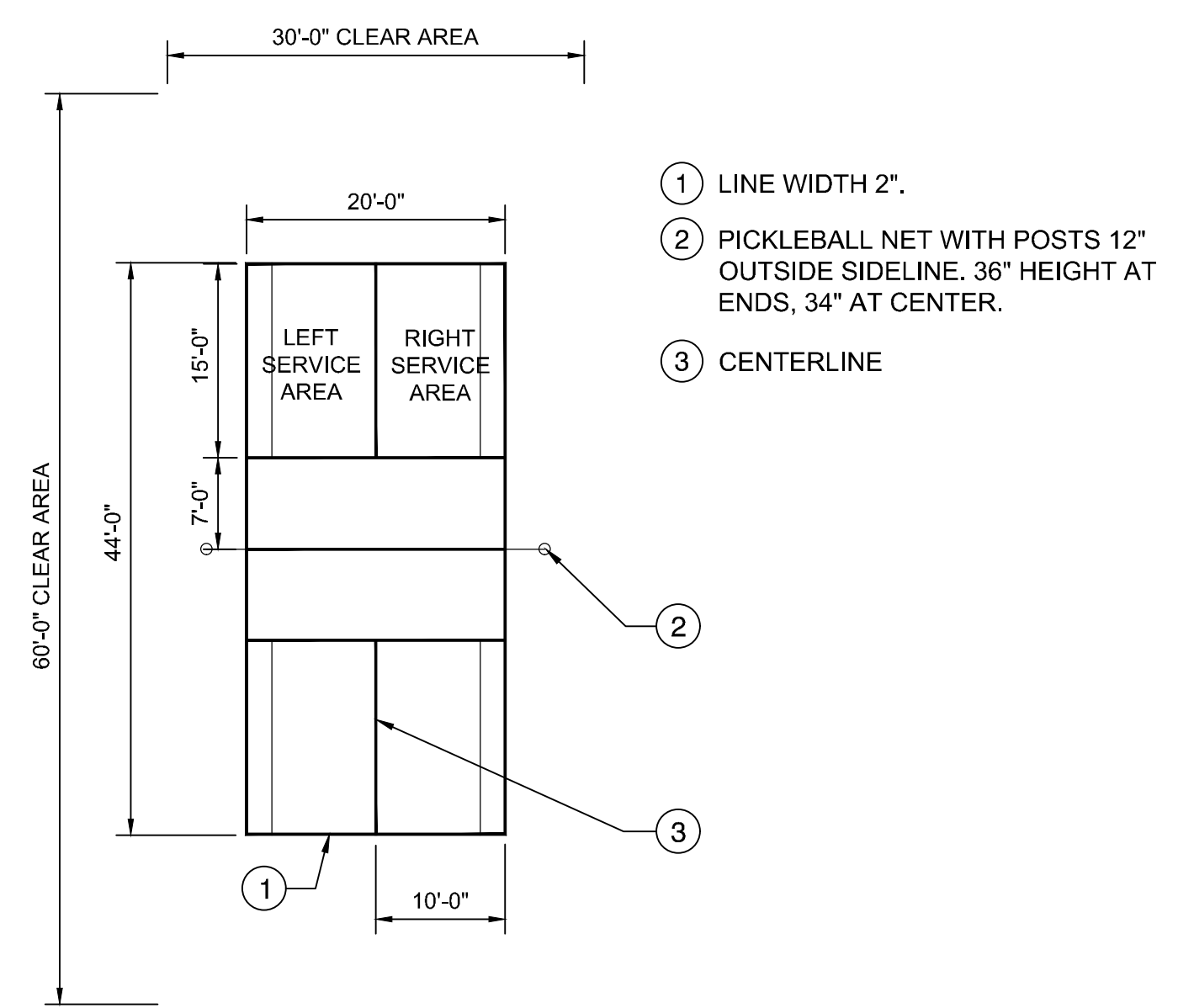
L2.4

SHEET 36 OF 47

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ATTENTION: MINIMUM REQUIRED CONCRETE TO USE IS 3500 PSI



- ① LINE WIDTH 2".
- ② PICKLEBALL NET WITH POSTS 12" OUTSIDE SIDELINE. 36" HEIGHT AT ENDS, 34" AT CENTER.
- ③ CENTERLINE

1 BERLINER - PICADILLY CIRCLE SPINNER
L2.5

2 PICKLEBALL COURT LAYOUT AND STRIPING
L2.5

PICKLEBALL

GENERAL: Pickleball posts are available with fixed eyes, net tightener, and side pulley or top pulley- depending on model selected. All models consist of a pair of posts, except center posts which are designed for side-by-side courts, & include only one post. All posts are equipped w/ fittings for proper net attachment. **NOTE:** See page 3 & 4 for included accessories and locations.

MATERIAL: All materials are selected for strength, durability and the ability to withstand years of exposure.

POSTS: A 3-1/2" O.D. heavy-duty galvanized steel post. Overall length of all posts is 64" allowing for 24" of post to be buried in concrete. **NOTE:** Post with top pulley is 6" shorter than its mating post to allow for proper net height.

ROPE CLAMPS: A heavy-duty self-securing clamp, die-cast from rustproof "zamak" metal. Designed to take rope sizes 1/8" to 3/8". Designed to take stress off of rope, as it has a smooth grooved track for the rope. **NOTE:** For use on nets with rope suspension.

NET TIGHTENER W/ REMOVABLE HANDLE: Permits easy and accurate tensioning of the net. Designed for use on nets with cable or rope suspension. Aluminum cast with a removable handle to lock in place. Pull pin and remove handle.

SIDE PULLEY: All welded construction of either heavy gauge steel galvanized or powder coated. A 2-1/2" Dia. pulley on a 3/8" diameter shaft guides the net cable or rope to the tightener.

TOP PULLEY: All welded construction of either heavy gauge steel galvanized or powder coated. A 2-1/2" Dia. pulley on a 3/8" diameter shaft guides the net cable or rope to the tightener.

FIXED EYES: 3/8" diameter zinc-plated steel eyebolts for all models. Heavy steel eyebolts for center post double eyes. These fixed eyes are welded on square post models.

PICKLEBALL NETS: Measures 36' w x 22' L. Vinyl Coated Polyester 2 Ply Headband. 1-3/4" sq mesh braided 3.0oz polyethylene.

SURFACE MOUNT BS: All welded M3 surface mount plate.

FINISH: All welds are ground smooth; cold galvanized compound (or) prepared for powder coat.

WARRANTY PERIOD: 10 years

	Date: 7/30/19	SPECIFICATION/INSTALLATION INSTRUCTIONS
	Rev: MT	COMPLETION PICKLEBALL POSTS W/ NET TIGHTENER, SIDE PULLEY, TOP PULLEY & ROPE CLAMP
	Drawn: MT	MODEL NO. 2202
	Sheet: 1 of 6	

PICKLEBALL NETS

MODEL #8354 PREMIUM PICKLEBALL NET, 36'H x 22'L

Premium Quality Pickleball Net

Model 8354 - This professional-grade net is a USPA's official size: 36'H x 22'L

- Netting is 1-3/4" sq mesh braided 3.0oz polyethylene, unsurpassed for durability and weather resist.
- Headbands are made of vinyl coated polyester and have been lock-sewn with four rows of #32 white polyester thread.
- Vinyl bottom tape and side pockets are polyester and won't shrink, mildew or rot when exposed.
- Bottom and side tapes are double lock stitched with black polyester thread
- 4 year limited warranty

Pickleball Court Diagram

	Date: 7/27/17	SPECIFICATION / INSTALLATION INSTRUCTIONS
	Rev: MT	PREMIUM PICKLEBALL NET
	Drawn: MT	MODEL NO. 8354
	Sheet: 1 of 1	

GAME POST GROUND SLEEVES

MODEL #8301-24 SLEEVE FOR 2-3/8" O.D. POST W/IO CAP (14 lbs)
MODEL #8301-24-N SLEEVE FOR 2-3/8" O.D. POST W/NEOPRENE CAP (15 lbs)
MODEL #8301-24-H SLEEVE FOR 2-3/8" O.D. POST W/HINGED CAP (16 lbs)
MODEL #8301-24-B SLEEVE FOR 2-3/8" O.D. POST W/BRASS CAP (16 lbs)

SPECIFICATIONS:

General: Game post sleeves permit removal of posts for any reason.

Materials: Sleeves are fabricated of steel pipe. Post rests on welded pipe insert inside sleeve. A 1/4" x 1-1/4" flat bar is welded to the bottom of sleeve and allows for drainage.

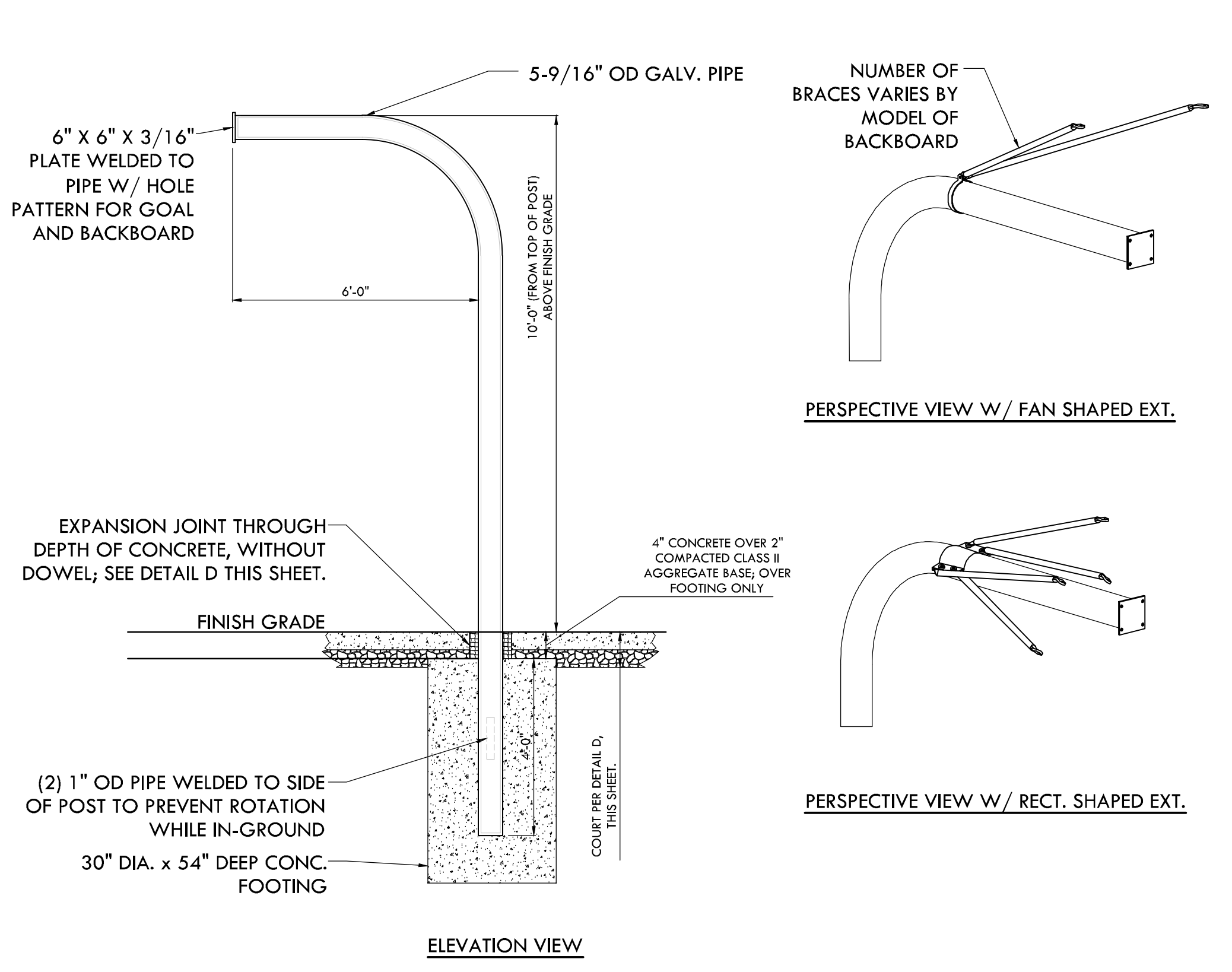
Hinged Cap (H): Cast aluminum cap and mating top ring attach to sleeve top. Hinge caps can only be used on 2-3/8", 2-7/8" and 3-1/2" game post sleeves.

Neoprene Cap (N): Heavy neoprene rubber disc expands to seal top of sleeve when a socket head bolt is tightened causing compression of rubber. Making a weather resistant seal. Top of cap is heavy galvanized with counter sunk hole.

Brass Cap (B): Brass screw-in type cap with a square recessed hole for cap wrench.

Warranty: 3 years

	Date: 08-20-09	SPECIFICATION/INSTALLATION INSTRUCTIONS
	Rev: T031420	GAME POST GROUND SLEEVES WITH AND WITHOUT CAP
	Drawn: TEAM	MODEL NO. 8301-24
	Sheet: 1 of 2	

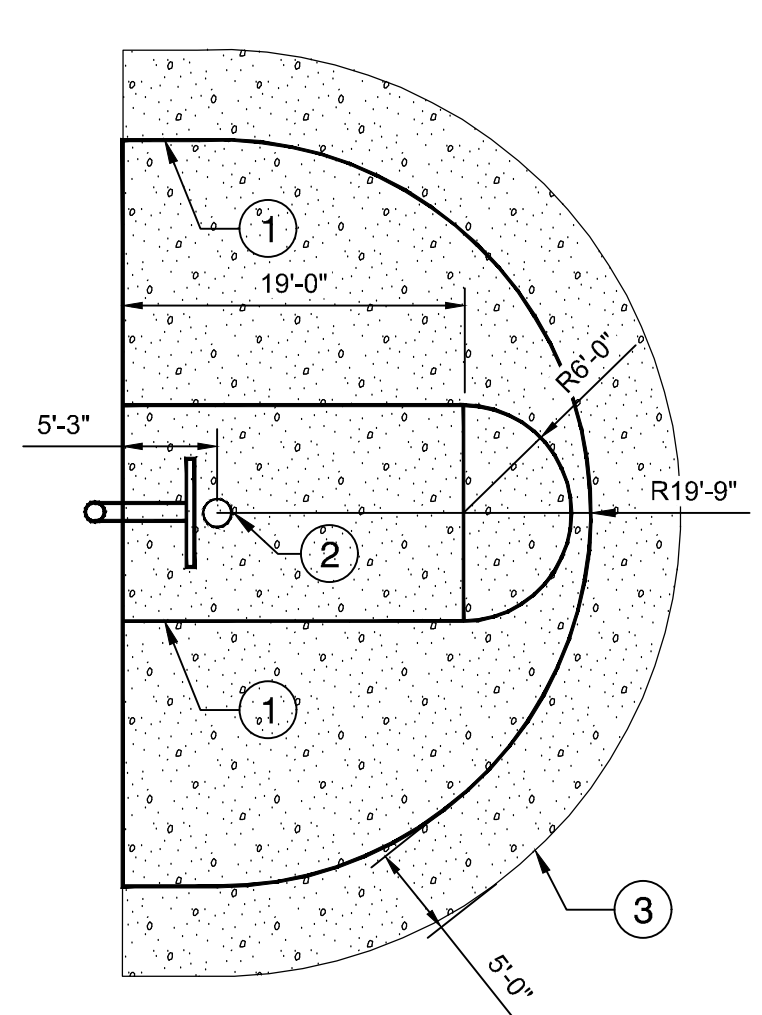


ELEVATION VIEW

- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWING.
 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 5. MODEL: LA-12C56, MANUFACTURED BY L.A. STEELCRAFT, CONTACT: (866) 210-5216

4 BASKETBALL POSTS
L2.5 N.T.S.

3 PICKLEBALL NETS AND POLES
L2.5



- ① 2" PAINTED LINES. COLOR: WHITE.
- ② BASKETBALL HOOP ON GALVANIZED STEEL POLE, SEE DETAIL.
- ③ EDGE OF PAVING PER CONSTRUCTION PLANS, SEE DETAILS

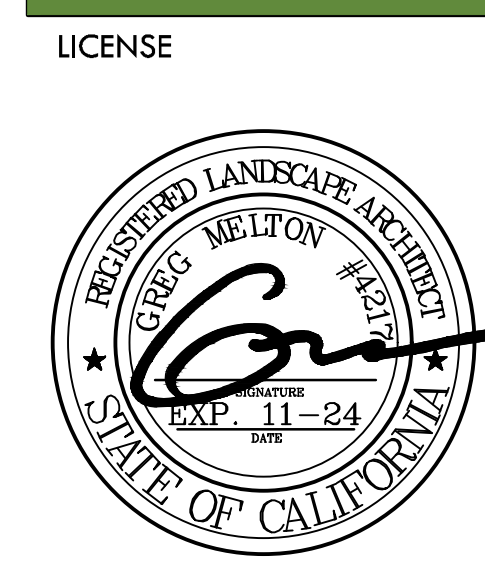
NOTE:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. STRIPING DIMENSIONS MATCH HIGH SCHOOL REQUIREMENTS.

5 BASKETBALL HALF-COURT LAYOUT AND STRIPING
L2.5



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BMX TRACK AND
PARK PROJECT

SHEET TITLE
CONSTRUCTION
DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PLOT DATE: 12-28-2023

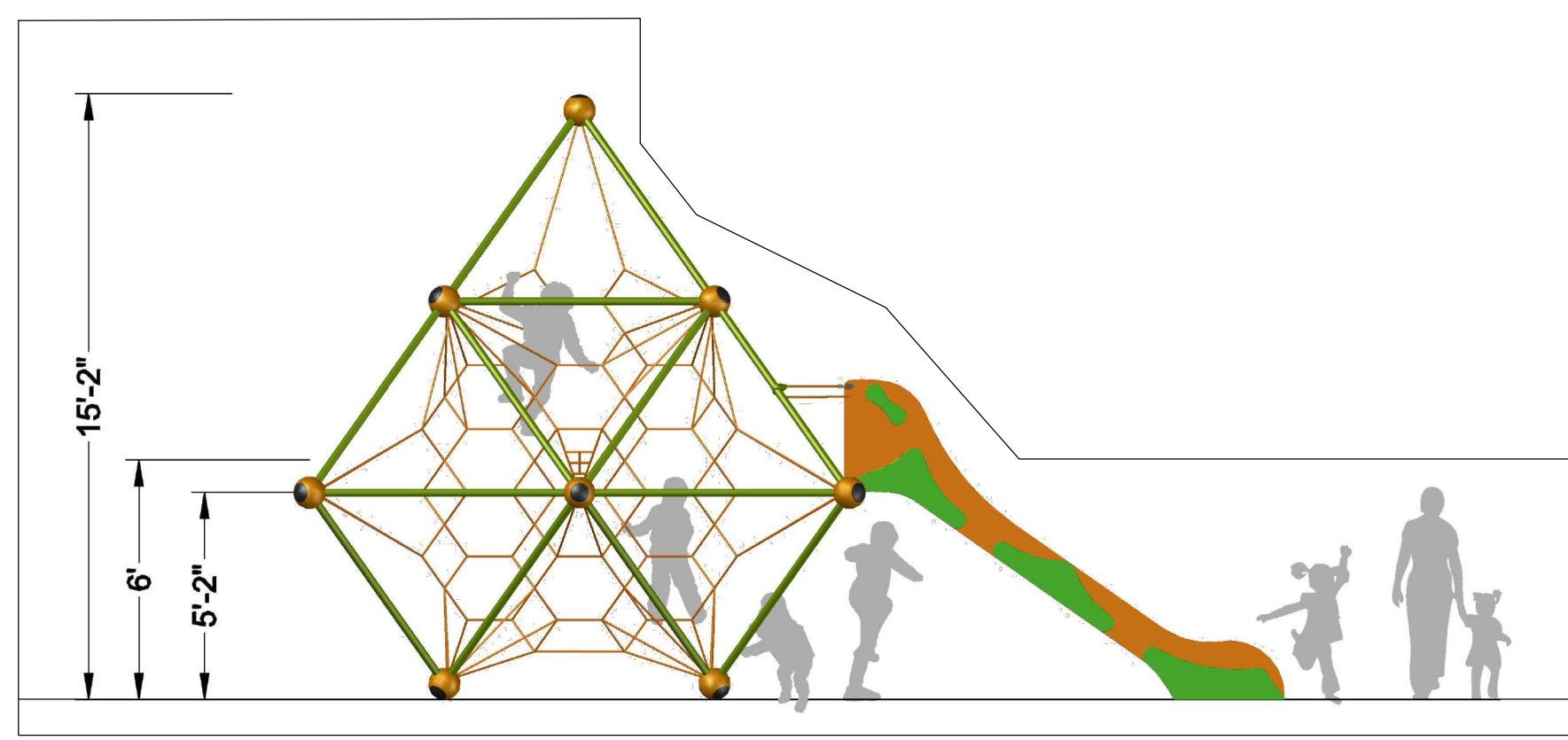
PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #:

SHEET NUMBER

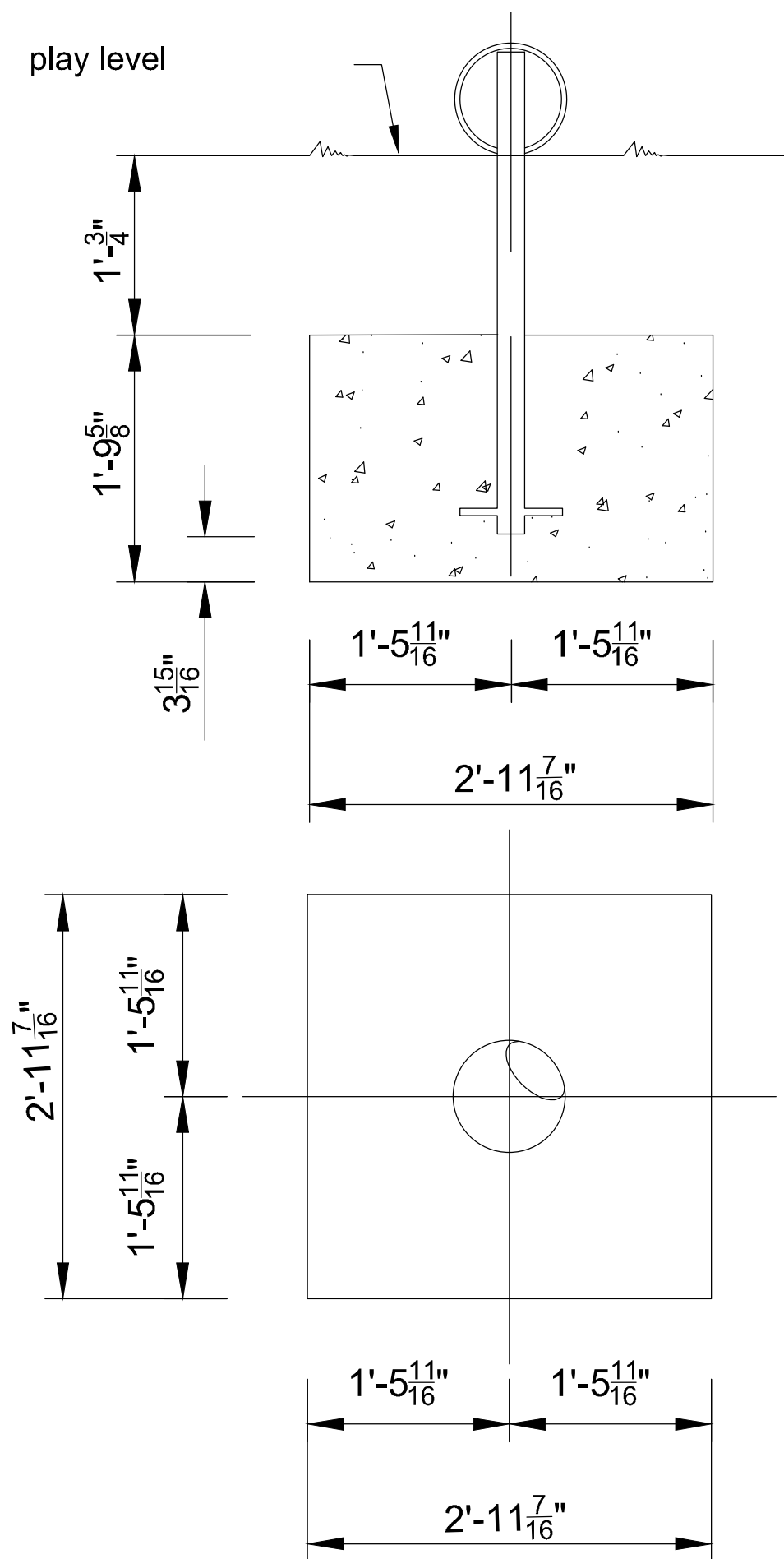
L2.5

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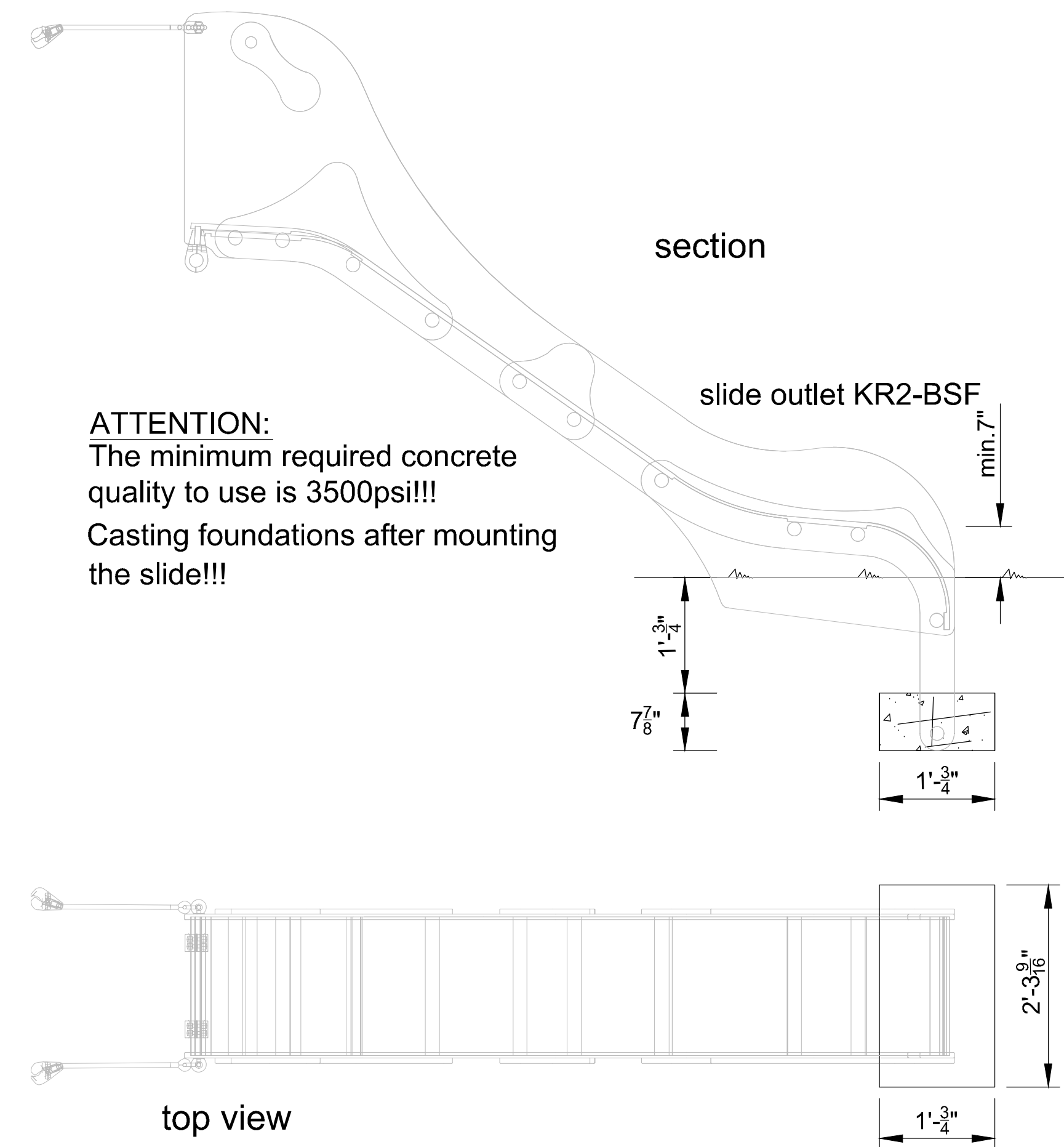


ELEVATION VIEW

ATTENTION:
The minimum required concrete quality to use is 3500psi!!!

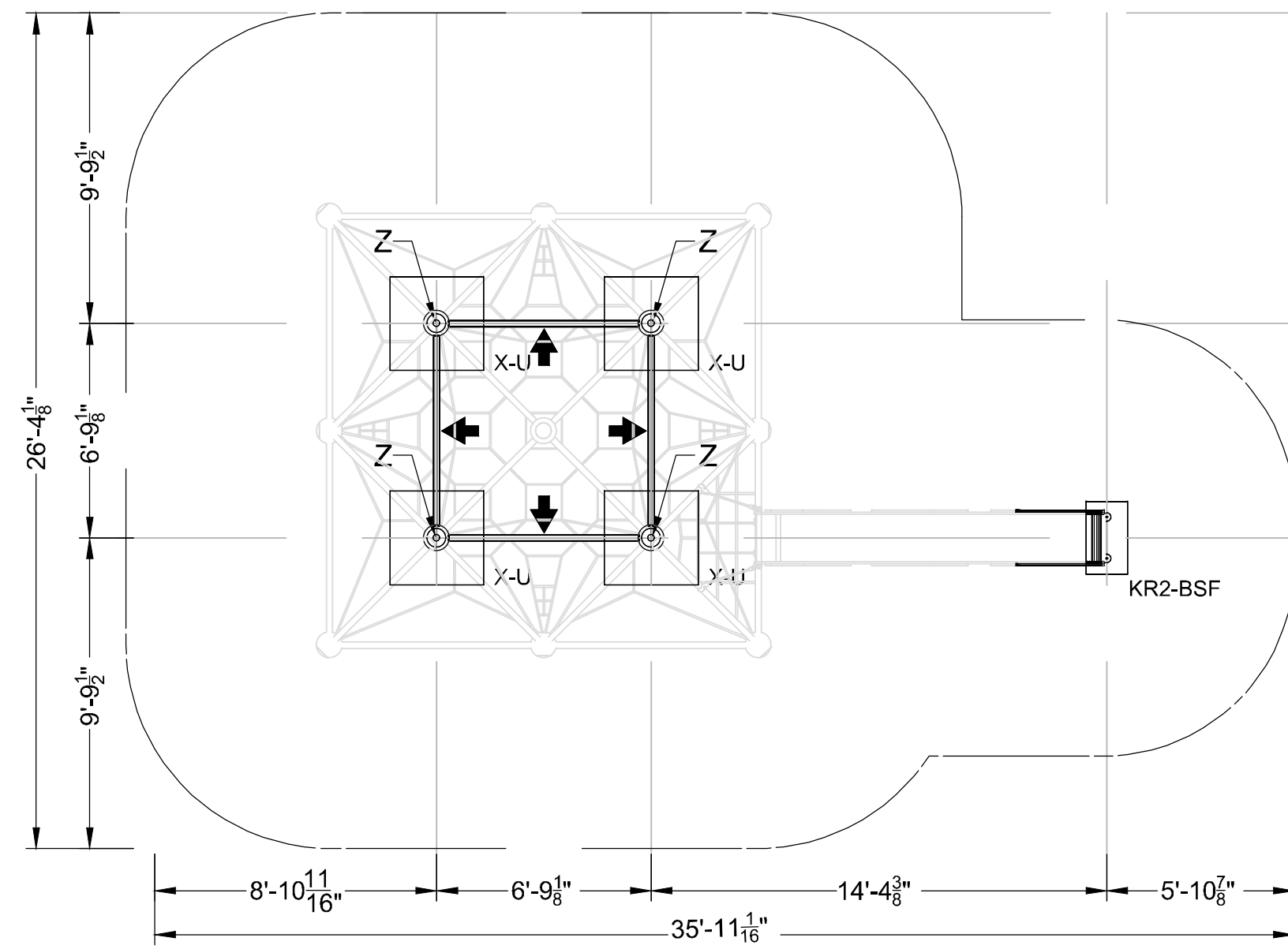


FOUNDATION - "X-U"



FOUNDATION - "KR2-BSF"

ATTENTION:
The minimum required concrete quality to use is 3500psi!!!
Casting foundations after mounting the slide!!!



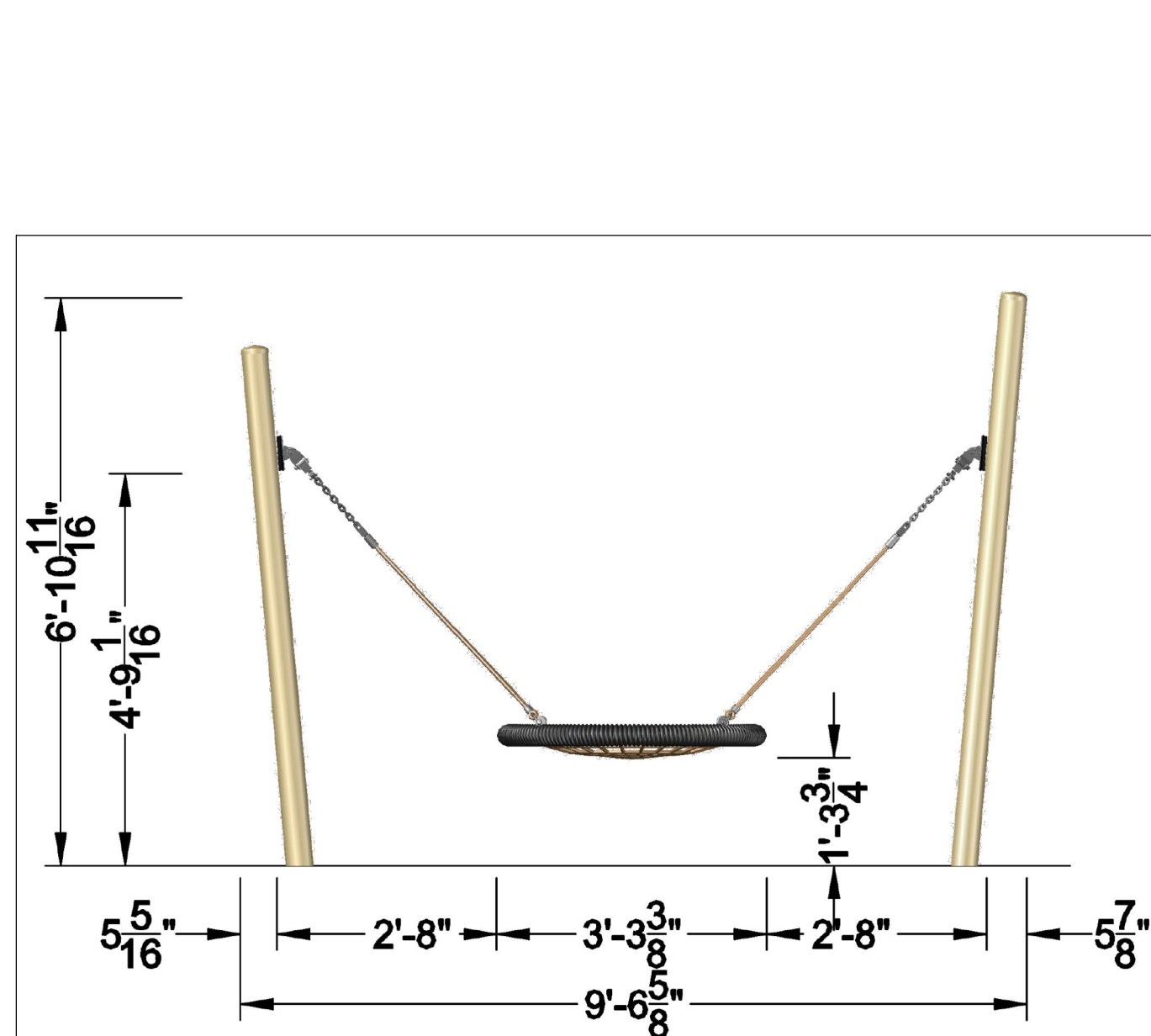
FOUNDATION LAYOUT

Foundations:
4x foundation X-U 2'-11 7/16" x 2'-11 7/16" x 1'-9 5/8"
1x foundation KR2-BSF 2'-3 9/16" x 1'-3 3/8" x 7 7/8"

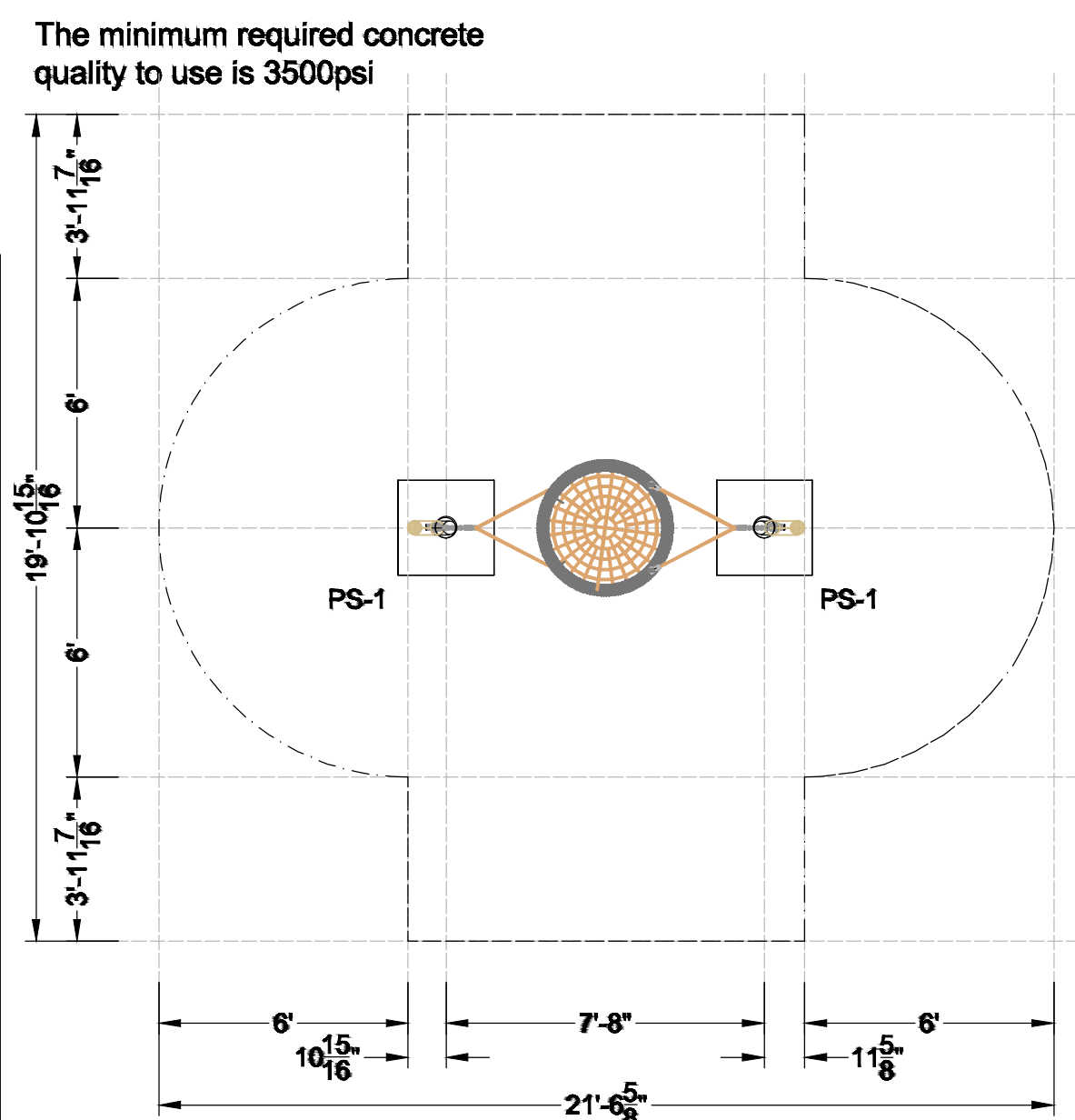
ATTENTION:
The measure of the slide is theoretical. It may vary. Please lay the foundations after measuring the slide and installing the framework!!!

FILE NAME: G:\MDCS\2500-2599\2537 McKinleyville BMX and Park\CAD\CD\ SHEETS\2537-2.2-CON-DEFS.dwg
PLOT DATE: March 18, 2024 - 3:14 PM

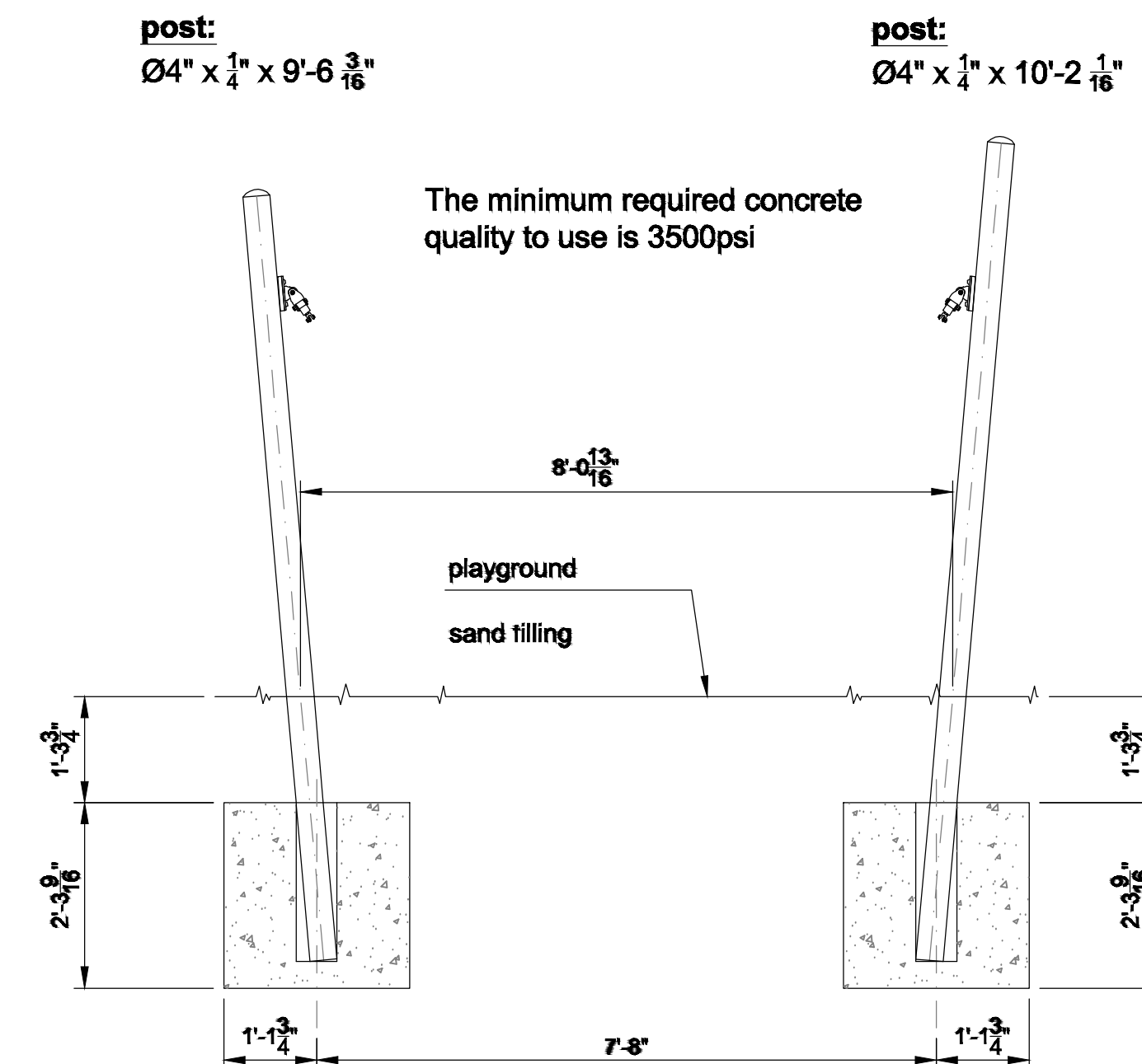
1
L2.6 BERLINER - JUPITER 03



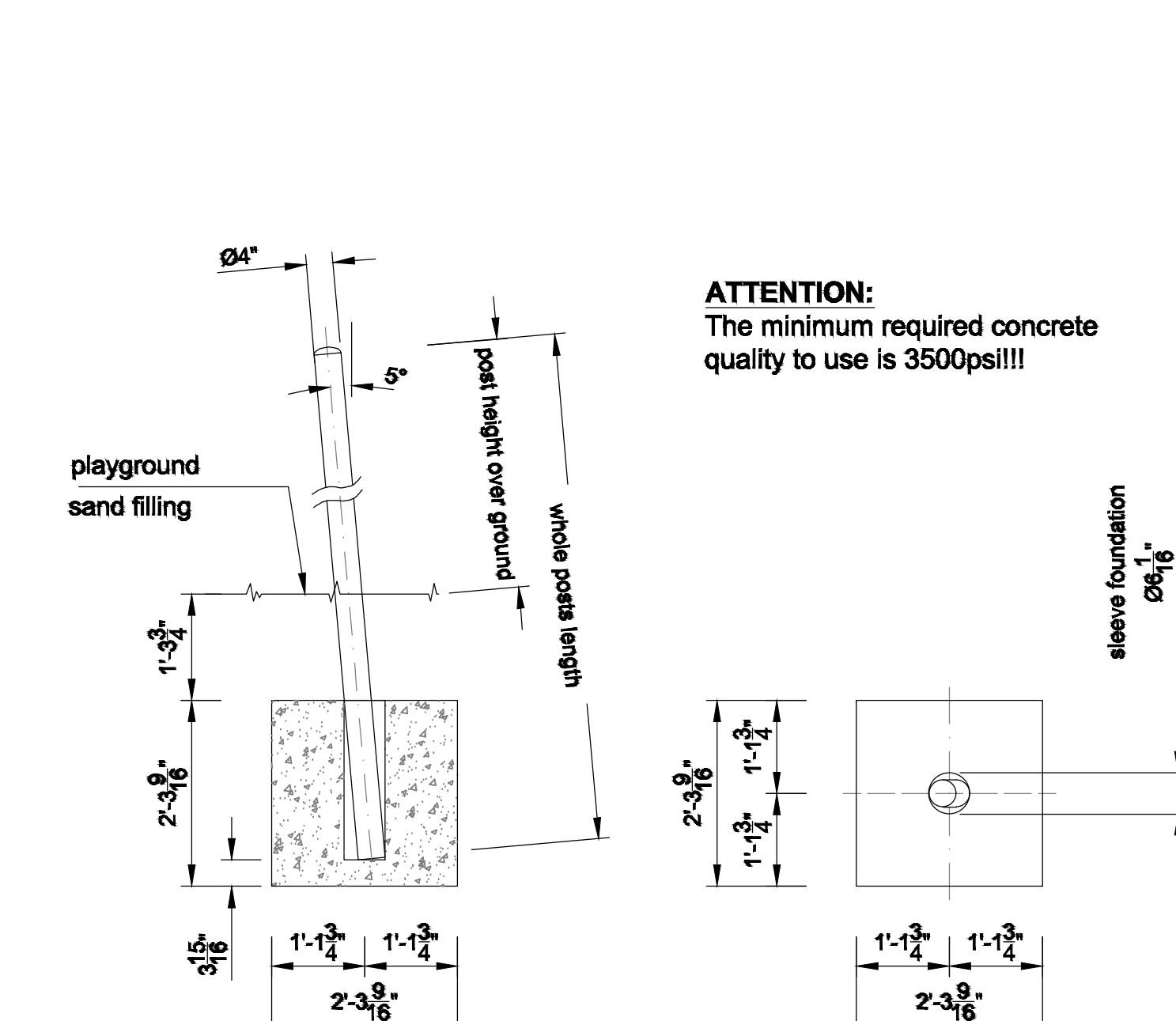
SWING ELEVATION



FOUNDATION PLAN



BOTH POSTS FOUNDATION



FOUNDATION ON A SINGLE POST

ATTENTION:
The minimum required concrete quality to use is 3500psi!!!

2
L2.6 BERLINER PALMETTO SAUCER



820 BROADWAY ST.
CHICO, CA 95928
(530) 899-1616
meltongd.com

LICENSE



CONSULTANT

CLIENT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

CONSTRUCTION
DETAILS

DATES

NO.	DESCRIPTION	DATE
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PLOT DATE: 12-28-2023

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #...

SHEET NUMBER

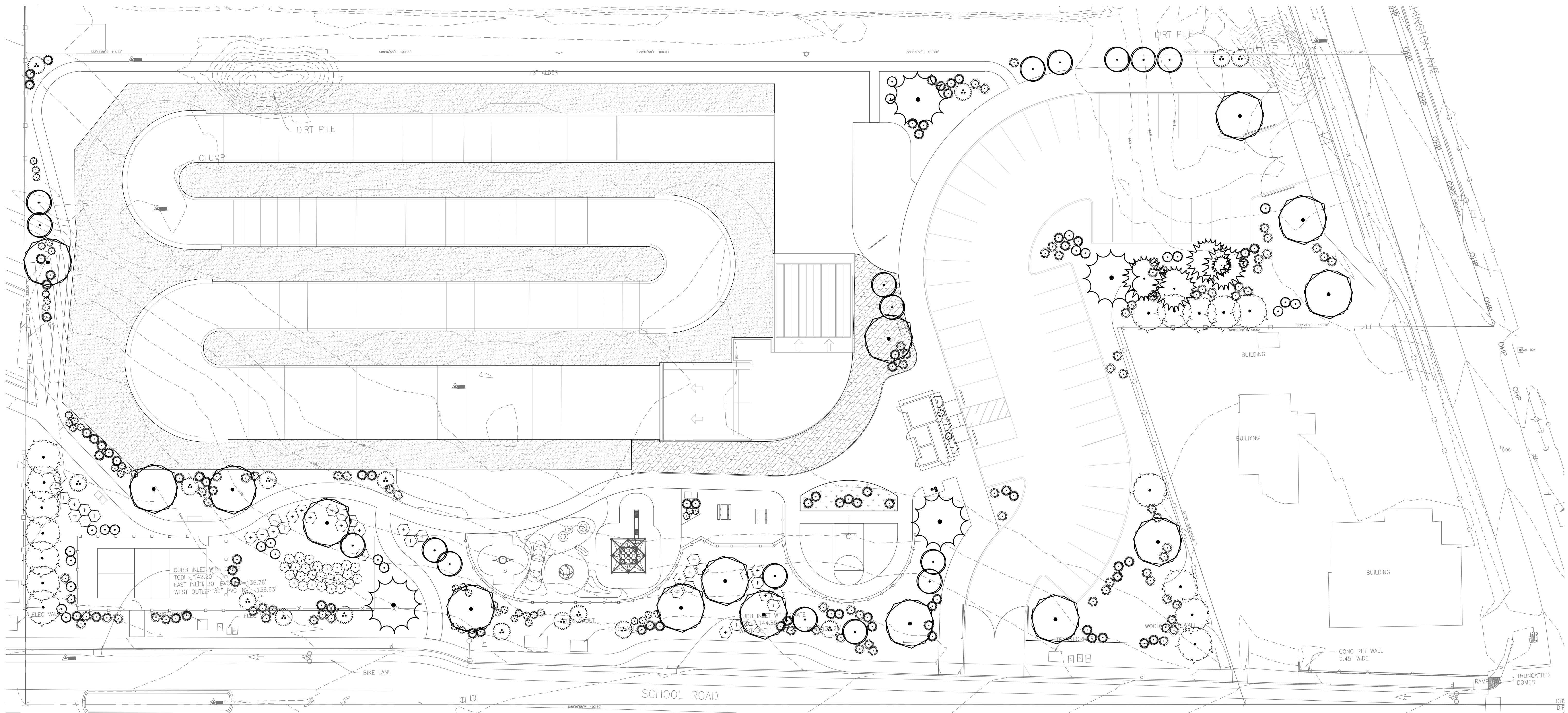
L2.6

SHEET 38 OF 47

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7.	-	-
8.	-	-



PLANTING NOTES

1. VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. ALL PLANT MATERIAL TO BE SET UP FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NO SUBSTITUTIONS FOR PLANT MATERIAL WILL BE ALLOWED UNLESS PRIOR ARRANGEMENTS HAVE BEEN APPROVED BY LANDSCAPE ARCHITECT. IN THE EVENT OF PLANT MATERIAL UNAVAILABILITY, CONTACT LANDSCAPE ARCHITECT FOR ALTERNATIVE SOURCES OR APPROVED SPECIES SUBSTITUTION.
3. PLANT QUANTITIES ARE FOR CONVENIENCE OF THE CONTRACTOR. CONTRACTOR TO CONFIRM EXACT NUMBER.
4. TREE STAKES ARE TO BE PLACED PERPENDICULAR TO PREVAILING WINDS. REMOVE NURSERY STAKES, REPLACE WITH STAKES PER DETAIL. TREE TIES SHALL BE CINCH-TIE OR EQUAL.
5. ALL TREE, SHRUB AND GROUND COVER PLANTINGS TO HAVE BARK MULCH OR DECOMPOSED GRANITE PLACED AROUND PLANT BASE PER PLANTING DETAILS. SEE CONSTRUCTION PLAN.
6. REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. PLANT MATERIAL SHALL BE BID ON THE BASIS OF SPECIES AND CONTAINER SIZE, NOT ON CONTAINER SIZE ALONE.
8. FOR ALL PLANTS - PRIOR TO INSTALLING PLANTS, INSTALL 1/4" WIRE MESH COMPLETELY COVERING BOTTOM AND SIDES OF EACH HOLE AND SECURE BOTTOM TO SIDES WITH WIRE TIES.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	AM	ARBUTUS MENZIESII	PACIFIC MADRONE	15 GAL	15
	CC	CORYLUS CORNUTA CALIFORNICA	WESTERN HAZELNUT	15 GAL	17
	TP	THUJA PLICATA	WESTERN RED CEDAR	15 GAL	4
		EXISTING TREE TO BE PROTECTED			

SHRUBS

	AM3	ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL	43
	CN2	CALAMAGROSTIS NUTKAENSIS	PACIFIC REED GRASS	1 GAL	77
	GS	GAULTHERIA SHALLON	SALAL	5 GAL	26
	JP	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	83
	MC	MORELLA CALIFORNICA	CALIFORNIA WAX MYRTLE	5 GAL	16
	RS2	RHODODENDRON COLUMBIANUM	WESTERN LABRADOR TEA	1 GAL	24
	RS	RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL	16
	WF	WOODWARDIA FIMBRIATA	GIANT CHAIN FERN	1 GAL	43

GROUND COVERS

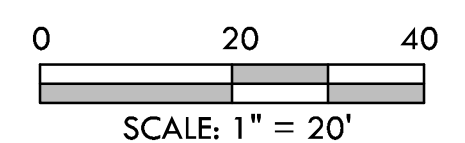
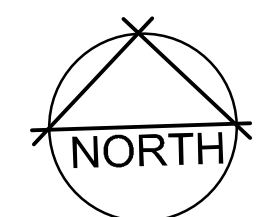
	AM2	ACHILLEA MILLEFOLIUM	COMMON YARROW	SEED	2,523 SF
	NB	NATIVE MOW FREE (TM) FESCUE MIX	NATIVE BLEND	SOD	400 SF

EROSION CONTROL HYDROSEED MIX

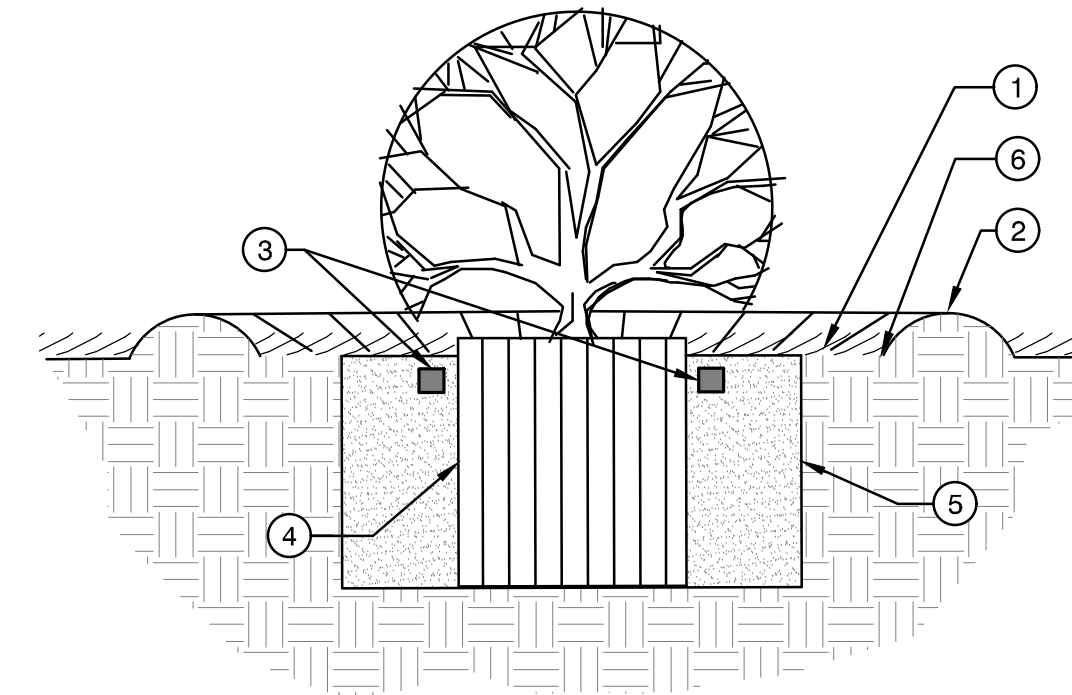
BULK LBS./AC	PLS lbs/AC.	SPECIES	MINIMUM GERMINATION (%)
25	22.50	Bromus carinatus / California Brome	90
10	8.50	Elymus glaucus / Blue Wildrye	85
6	5.28	Festuca microstachys / Small Fescue	88
4	3.20	Trifolium willdenovii / Tomcat Clover	80

FILE NAME: G:\MDS\2500-2599\2537 McKinleyville BMX and Park\2537 CAD\CD\ SHEETS\2537-L3.0-PLNT.dwg

PLOT DATE: March 18, 2024 - 3:14 PM

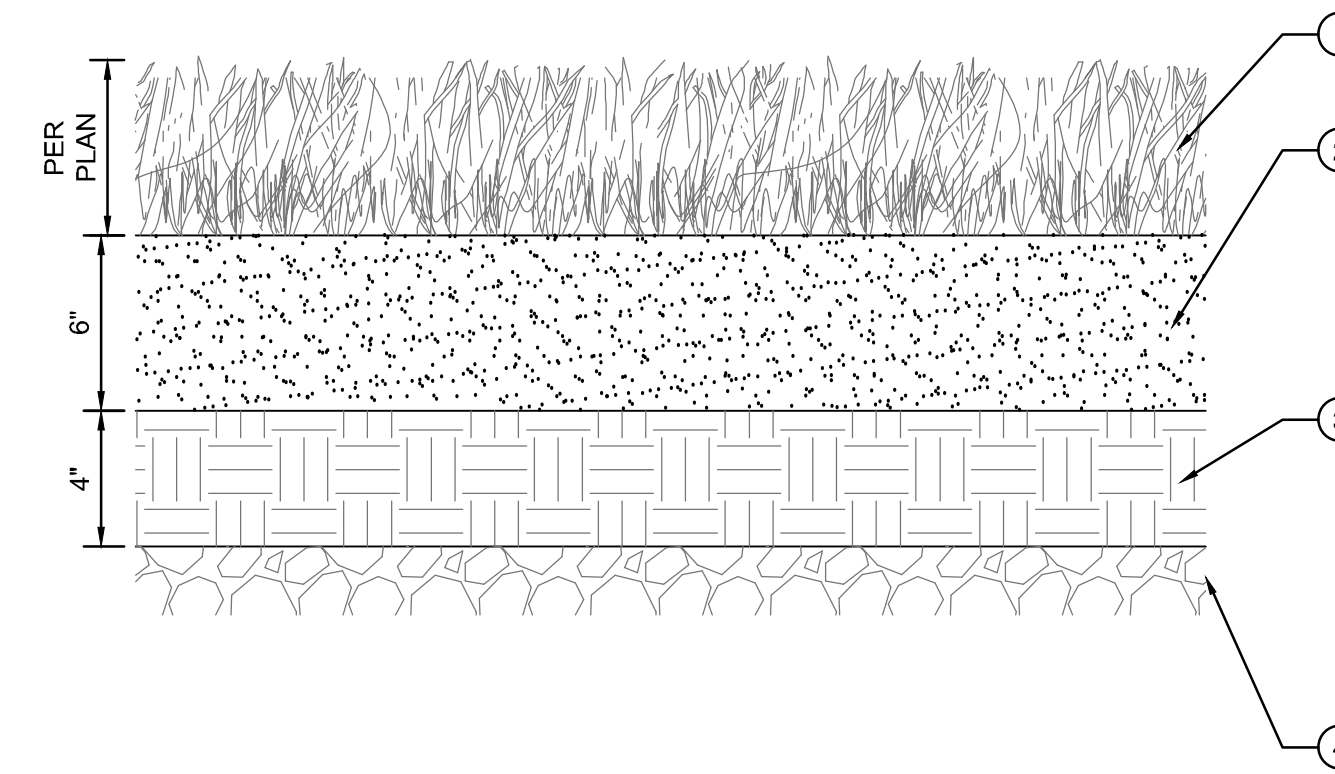


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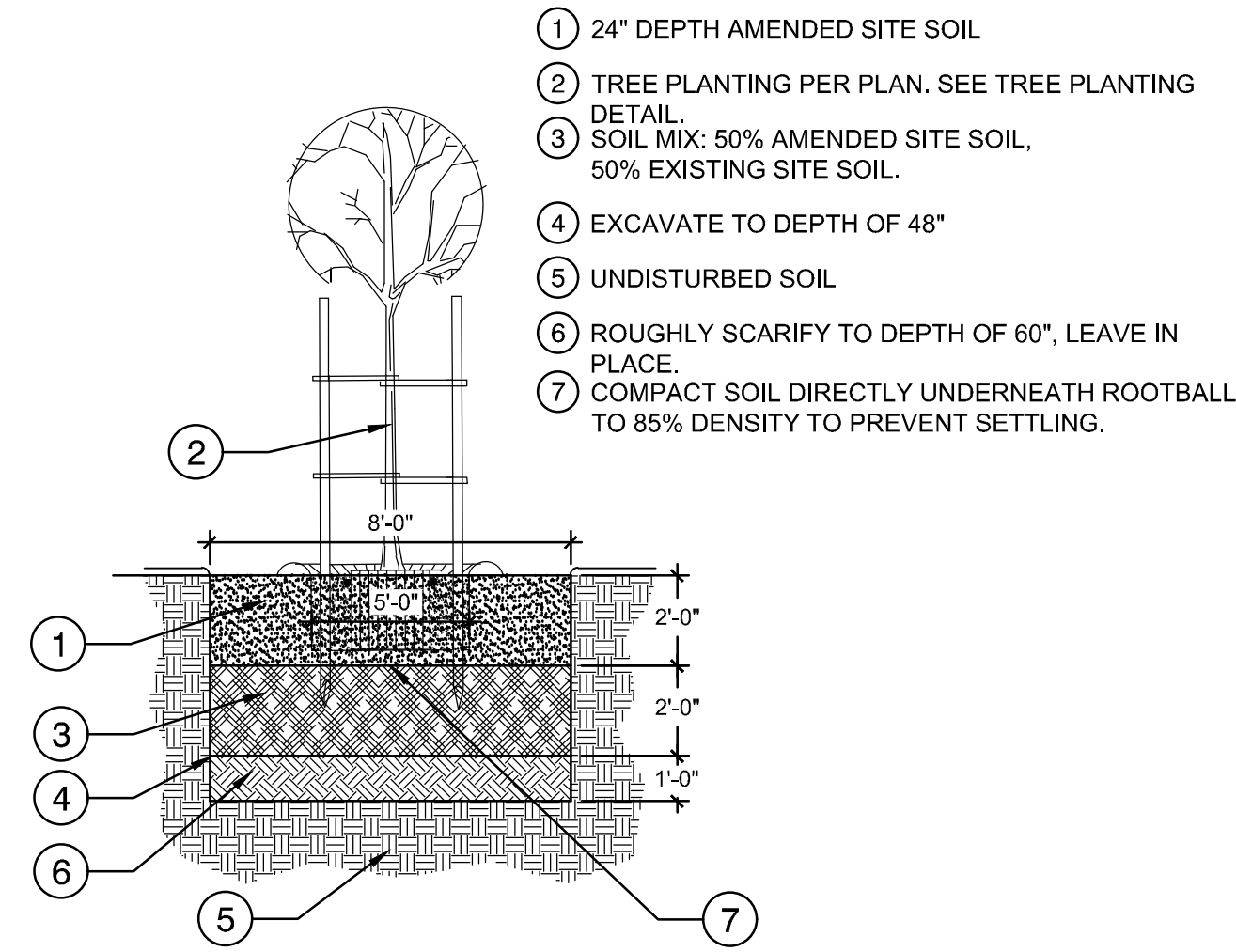
- 1 BARK MULCH PER PLAN.
- 2 WATER RETENTION BERM, PROVIDE POSITIVE DRAINAGE AWAY FROM ROOTBALL.
- 3 FERTILIZER TABLETS, AS PER SPECIFICATIONS.
- 4 ROOT BALL, SET CROWN 1" ABOVE GRADE.
- 5 PLANTING PIT TO BE TWICE THE DIAMETER OF ROOTBALL. REFER TO SPECIFICATIONS FOR BACKFILL MIX.
- 6 FINISH GROUNDCOVER GRADE.

3 SHRUB PLANTING
L3.2 3/4" = 1'-0"



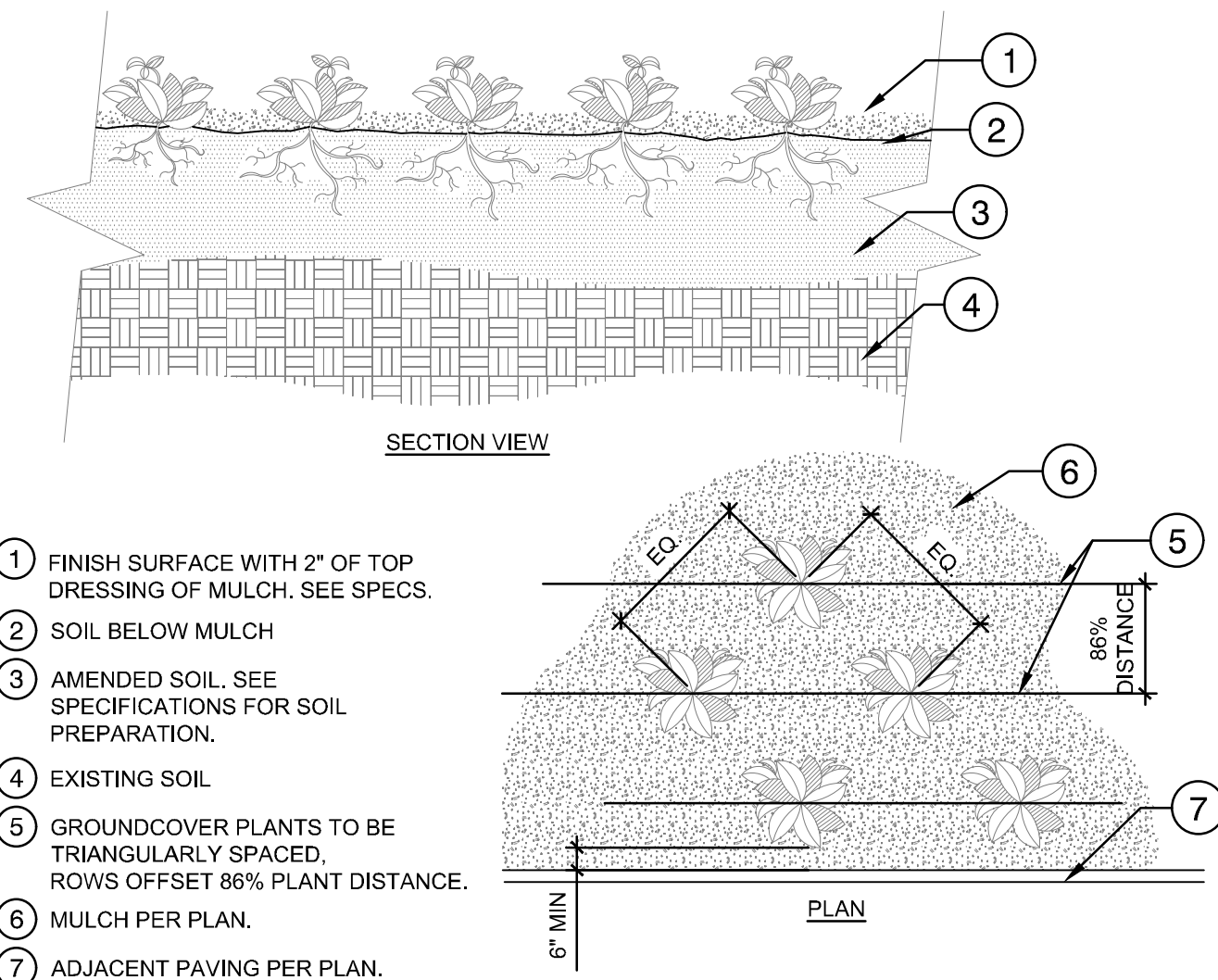
- 1 SOD AS SPECIFIED; SEE PLANTING PLAN AND GRADING PLAN.
- 2 6" NATIVE SOIL BLENDED WITH SOIL AMENDMENTS AS INDICATED BY SOILS REPORT.
- 3 4" SCARIFIED SUB-GRADE.
- 4 BASE LAYER UNDISTURBED.

6 SOD TURF INSTALLATION
L3.2 N.T.S.



- 1 24" DEPTH AMENDED SITE SOIL.
- 2 TREE PLANTING PER PLAN. SEE TREE PLANTING DETAIL.
- 3 SOIL MIX: 50% AMENDED SITE SOIL, 50% EXISTING SITE SOIL.
- 4 EXCAVATE TO DEPTH OF 48"
- 5 UNDISTURBED SOIL
- 6 ROUGHLY SCARIFY TO DEPTH OF 60", LEAVE IN PLACE.
- 7 COMPACT SOIL DIRECTLY UNDERNEATH ROOTBALL TO 85% DENSITY TO PREVENT SETTLING.

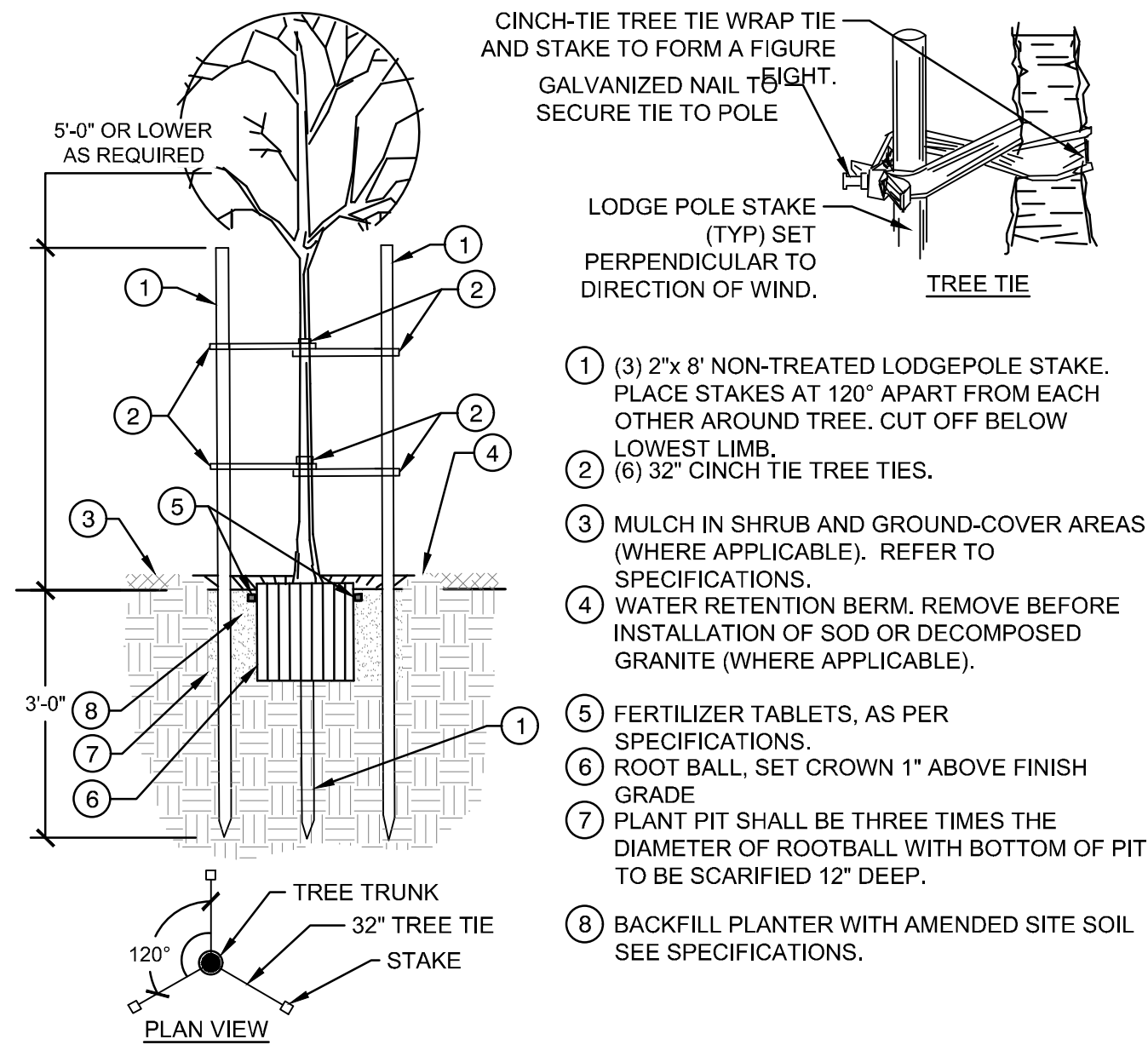
2 SOIL REPLACEMENT WITH TREE
L3.2



- 1 FINISH SURFACE WITH 2" OF TOP DRESSING OF MULCH, SEE SPECS.
- 2 SOIL BELOW MULCH
- 3 AMENDED SOIL. SEE SPECIFICATIONS FOR SOIL PREPARATION.
- 4 EXISTING SOIL
- 5 GROUNDCOVER PLANTS TO BE TRIANGULARLY SPACED, ROWS OFFSET 86% PLANT DISTANCE.
- 6 MULCH PER PLAN.
- 7 ADJACENT PAVING PER PLAN.

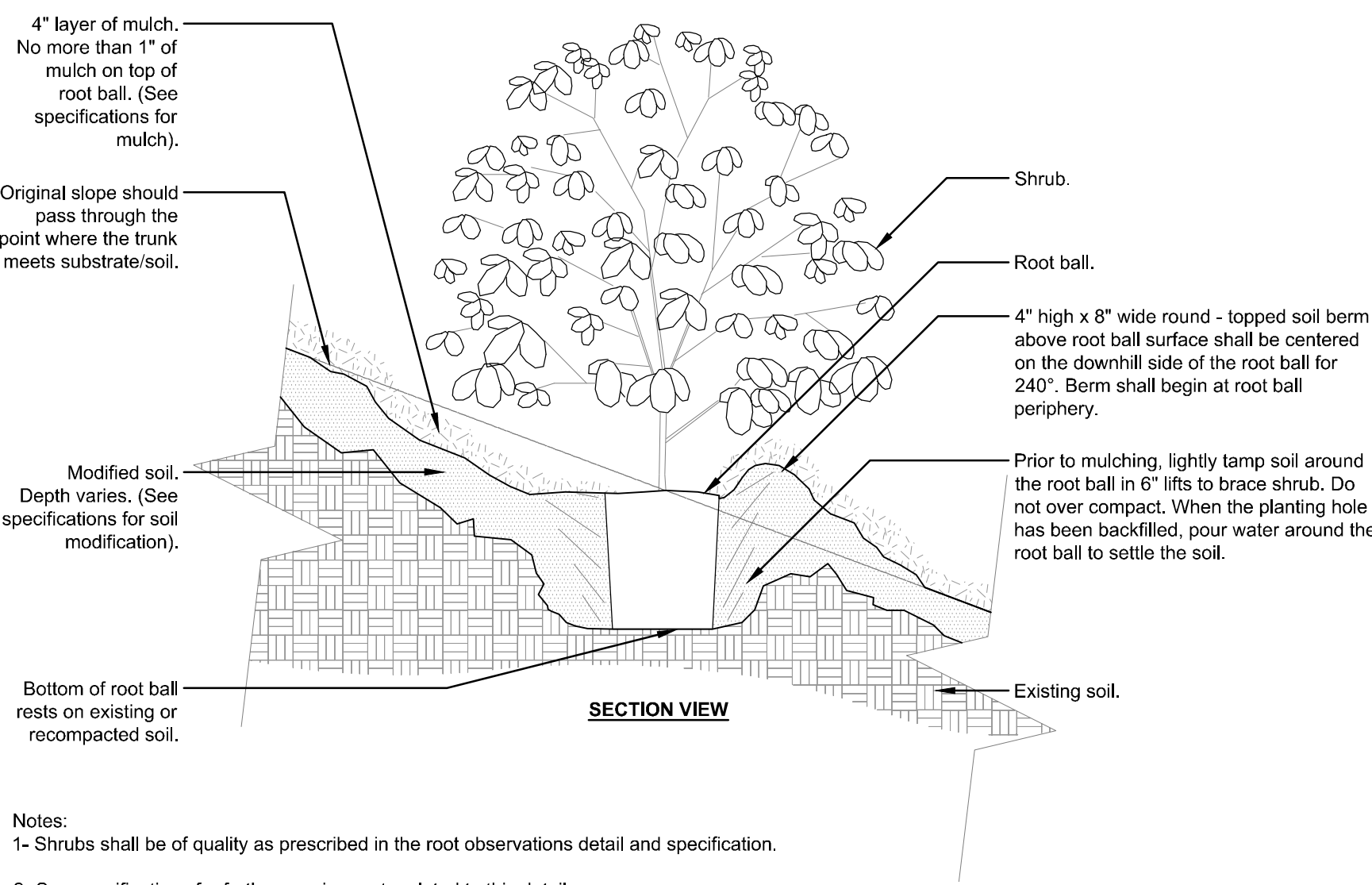
- NOTES:
1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES AND SIZE.
 2. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

5 GROUND COVER PLANTING
L3.2

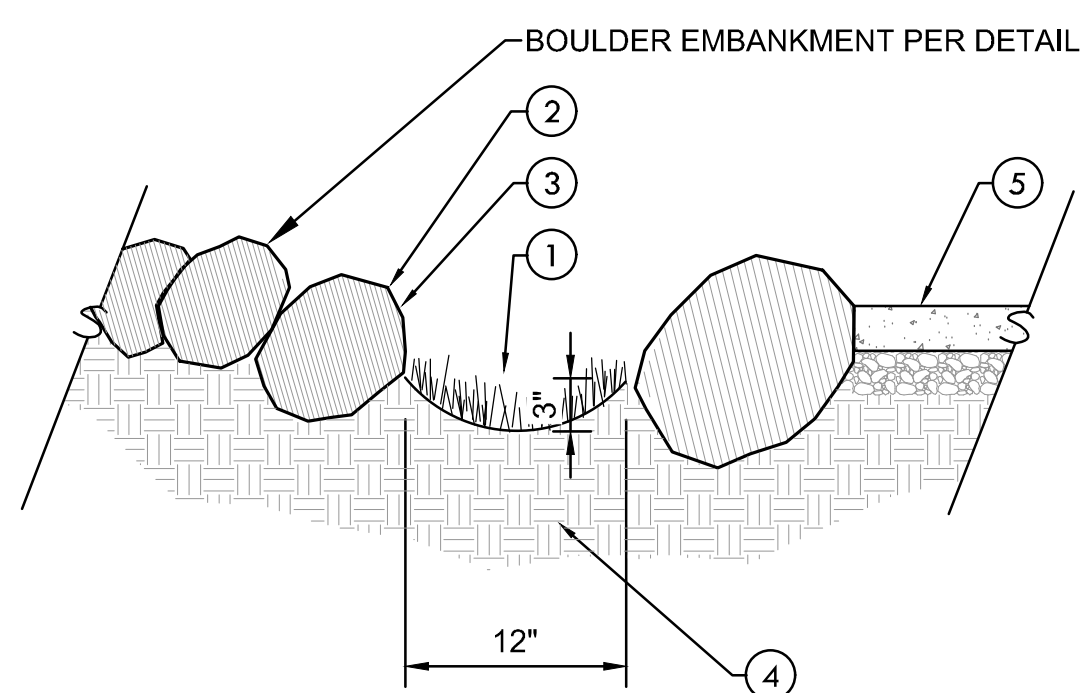


- CINCH-TIE TREE TIE WRAP TIE AND STAKE TO FORM A FIGURE 8 GALVANIZED NAIL TIGHT. SECURE TIE TO POLE.
- LODGE POLE STAKE (TYP) SET PERPENDICULAR TO DIRECTION OF WIND.
- 1 (3) 2"x 8" NON-TREATED LODGEPOLE STAKE. PLACE STAKES AT 120" APART FROM EACH OTHER AROUND TREE. CUT OFF BELOW LOWEST LIMB.
 - 2 (6) 3/2" CINCH TIE TREE TIES.
 - 3 MULCH IN SHRUB AND GROUND-COVER AREAS (WHERE APPLICABLE). REFER TO SPECIFICATIONS.
 - 4 WATER RETENTION BERM. REMOVE BEFORE INSTALLATION OF SOD OR DECOMPOSED GRANITE (WHERE APPLICABLE).
 - 5 FERTILIZER TABLETS, AS PER SPECIFICATIONS.
 - 6 ROOT BALL, SET CROWN 1" ABOVE FINISH GRADE.
 - 7 PLANT PIT SHALL BE THREE TIMES THE DIAMETER OF ROOTBALL WITH BOTTOM OF PIT TO BE SCARIFIED 12" DEEP.
 - 8 BACKFILL PLANTER WITH AMENDED SITE SOIL. SEE SPECIFICATIONS.

1 TREE PLANTING
L3.2 1/2" = 1'-0"



4 SHRUB ON SLOPE 5% (20:1) TO 50% (2:1) - MODIFIED SOIL
L3.2



- 1 GRASS SWALE
- 2 BOULDERS PER PLAN
- 3 INSTALL BOULDERS SUCH THAT 1/3 OF BOULDER IS BENEATH GRADE
- 4 SUBGRADE COMPACTED TO 85% RELATIVE DENSITY
- 5 CONCRETE PER PLAN

7 GRASS-LINED SWALE
L3.2



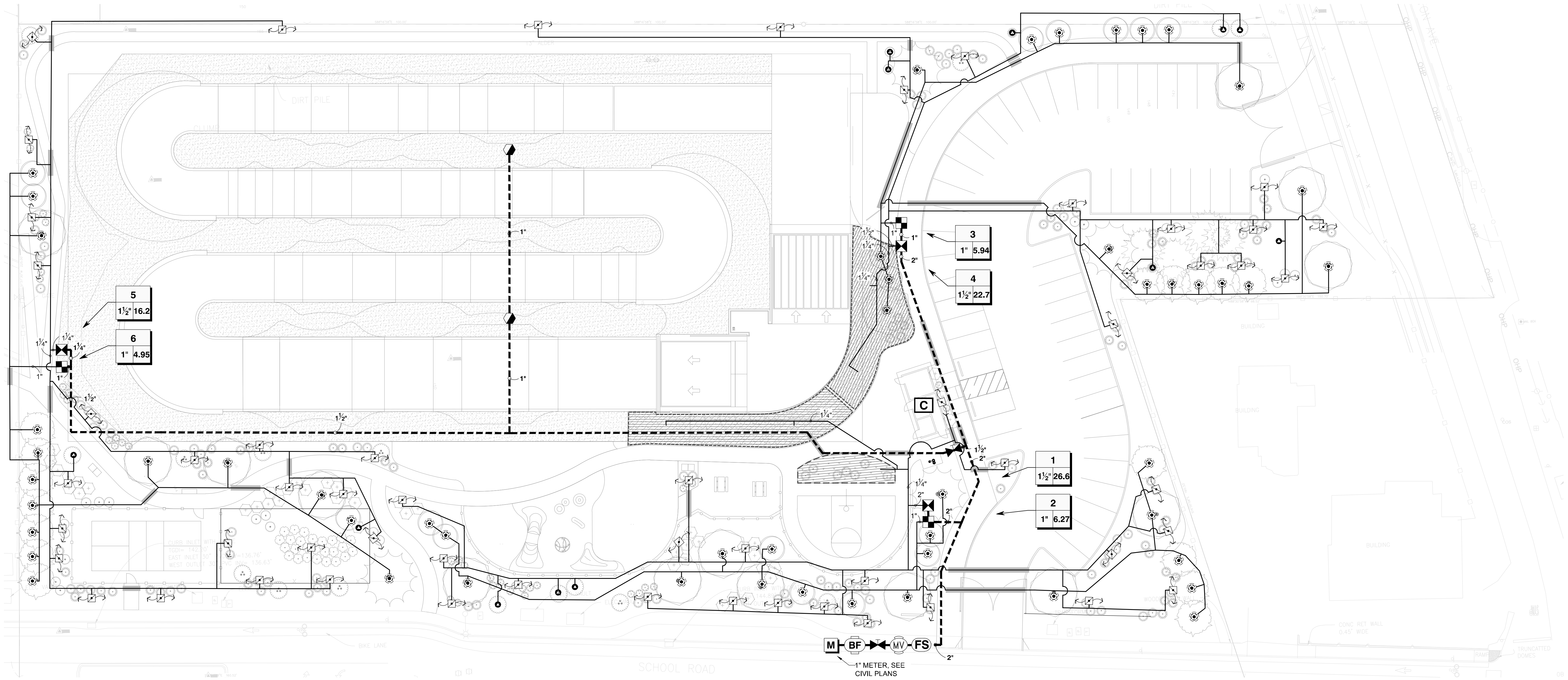
IRRIGATION PLAN

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PLOT DATE: 12-28-2023

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #: ...

L4.0



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ISOLATION VALVE
[Symbol]	HUNTER ICZ-101-40 DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	ISOLATION VALVE - 2" AND SMALLER - WILKINS 850-XL FULL PORT BRONZE BALL VALVE. 2-1/2" AND LARGER - NIBCO 619-RW-SON FLANGED GATE VALVE WITH SQ. OP. NUT. SIZE PER PIPE SIZE. LOCATION SHOWN FOR GRAPHIC CLARITY. INSTALL IN PLANTER. CONTRACTOR SHALL LOCATE FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION.
[Symbol]	HUNTER ICZ-151-XL-40 DRIP CONTROL ZONE KIT. 1-1/2IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 20 GPM TO 60 GPM. 120 MESH STAINLESS STEEL SCREEN. 1-1/2IN. INLET X SINGLE 2IN. OUTLET	BUCKNER-SUPERIOR 3300 2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION AND NO MINIMUM FLOW FEATURE, WHICH ENSURES RELIABLE OPENING AND CLOSING OF THE VALVE IN EXTREME HIGH OR LOW FLOW SCENARIOS. AVAILABLE IN 1-1/2", 2", 2-1/2" AND 3".
[Symbol]	PIPE TRANSITION POINT TO HUNTER HDL-06-12 PC PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6" (150MM) DRIP BOX. TRANSITIONS TO HUNTER HDL-06-12-PC DRIP LINE WITH 0.6 GPH FLOW; INSTALL DOUBLE ROW OF DRIP LINE, ONE LINE ON EACH SIDE OF SHRUBS, MAX. 6" AWAY FROM SHRUB CENTERS. SEE DETAIL. TRANSITIONS TO BE LOCATED AT CORE OF DRIP AREA, WITH FLUSH VALVE(S) AT PERIPHERY.	ZURN 975XL2 2" REDUCED PRESSURE BACKFLOW DEVICE; 2" ZURN 975XL2 INSTALL IN STRONG BOX SBBC-45CR LOW PROFILE ENCLOSURE AND WITH POLAR BEARIER INSULATED COVER, MODEL PBB-45. CONTRACTOR SHALL BE RESPONSIBLE TO CERTIFY BACKFLOW PREVENTER WITHIN SEVEN (7) DAYS OF INSTALLATION. LOCATION SHOWN FOR GRAPHIC CLARITY. CONTRACTOR SHALL LOCATE BACKFLOW FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION. LOCATE WITHIN PLANTER. PER DETAIL.
[Symbol]	DRIP SHRUB RING HUNTER HDL-06-12-PC. APPROXIMATELY 0.04 GPM TOTAL PER SHRUB RING. INSTALL SHRUB RING 9" OFF SHRUB CENTER, PER DETAIL	HUNTER HPC-400-DM W/ (1) PCM 900 MODULE 4 STATION WITH 2-WIRE AND (1) PCM 900 MODULE OUTDOOR W/IFI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN, PLASTIC CABINET. INSTALL INSIDE UTILITY CHASE IN RESTROOM. SEE INDOOR MOUNTED CONTROLLER DETAIL.
[Symbol]	DRIP TREE RING HUNTER HDL-06-12-PC. PRESSURE COMPENSATING HUNTER DRIP LINE WITH 0.6 GPH FLOW, LIGHT BROWN TUBING WITH GRAY STRIPING. APPROXIMATELY (33) EMITTERS X 0.60 GPH AT 12" O/C SPACING = 0.33 GPM, PLUS (1) ADJUSTABLE FLOW BUBBLER. SEE DETAIL FOR RING DIAMETERS AND LAYOUT.	CREATIVE SENSOR TECHNOLOGY FS1 T20-SP3 2" PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS AND CUSTOM MOUNTING TEE, WITH SCALED PULSE TECHNOLOGY (1 PULSE = 1 GALLON OF FLOW), FLOW RANGE 2.8 GPM - 170 GPM.
[Symbol]	AREA TO RECEIVE DRIP LINE HUNTER HDL-06-12-PC DRIP LINE W/ 0.6 GPH EMITTERS AT 12" O.C. DARK BROWN TUBING WITH GRAY STRIPING. DRIP LINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
[Symbol]	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	IRRIGATION MAINLINE: PVC SCHEDULE 40
[Symbol]		PIPE SLEEVE: PVC SCHEDULE 40 SCHEDULE 40 PVC AT 2X LINE SIZE FOR LATERALS, CONDUIT, AND MAIN LINE UNDER ALL PAVING, TYPICAL, WHETHER SHOWN OR NOT. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO PAVING INSTALLATION. WIRES AND MAINLINE SHALL BE PLACED ON SEPARATE SLEEVES.
[Symbol]		Valve Callout
[Symbol]		Valve Number
[Symbol]		Valve Flow
[Symbol]		Valve Size

GRAPHIC CLARITY:

DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSET FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE WORK AND PLAN ACCORDINGLY, FURNISHING SUCH FITTINGS, MISCELLANEOUS COMPONENTS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.

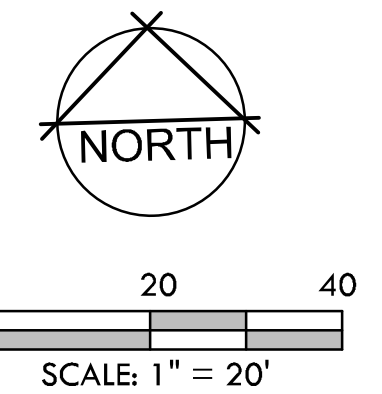
DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN THE MOST DIRECT AND COMPETENT MANNER, SO THAT CONFLICTS BETWEEN THE IRRIGATION WATER SYSTEMS AND EXISTING AND NEW UTILITIES, PLANTING, AND ARCHITECTURAL FEATURES WILL BE AVOIDED.

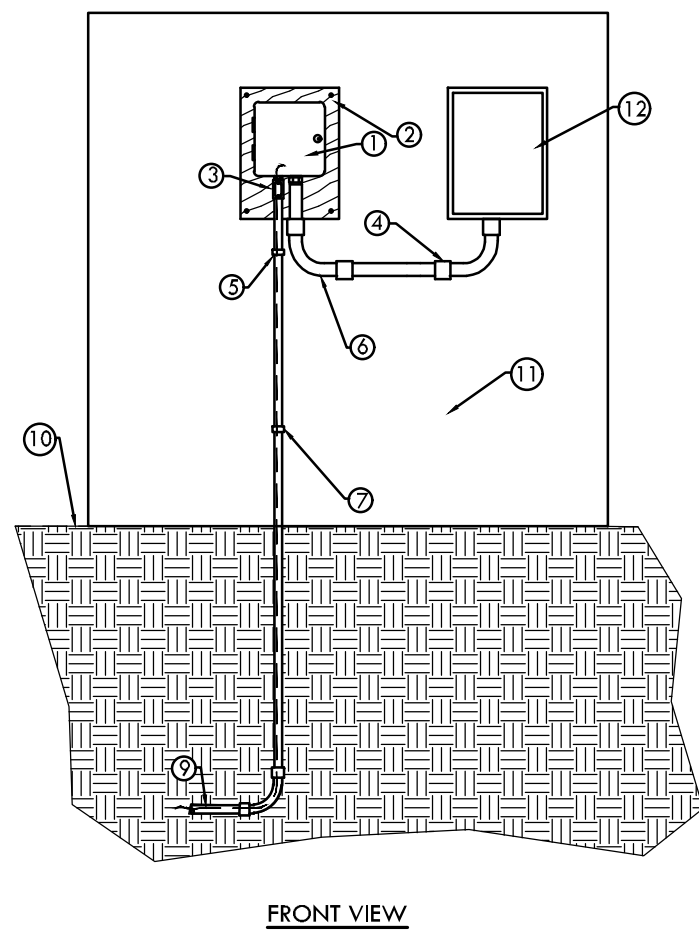
ROUTING OF MAIN LINE AND LATERALS IS DIAGRAMMATIC. INSTALL ALL MAINLINE, LATERALS AND VALVES IN PLANTERS EXCEPT WHEN CROSSING BENEATH PAVEMENT, DECOMPOSED GRANITE, WALKWAYS, ETC.

ALL MAIN LINE AND LATERALS CROSSING BENEATH PAVEMENT, CONCRETE, FOUNDATIONS, WALLS, ETC. SHALL BE INSTALLED IN SLEEVES. SEE DETAILS AND SPECIFICATIONS FOR TYPE, SIZE TO PROVIDE A MINIMUM OF 25% VOID SPACE IN SLEEVE AFTER PIPES ARE INSTALLED.

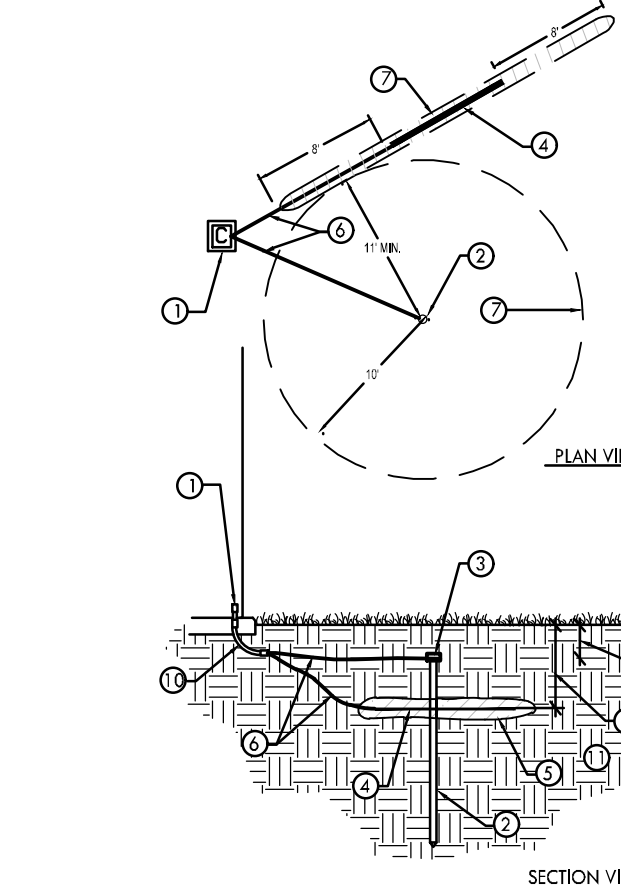
IRRIGATION NOTES:

- CONTRACTOR SHALL VERIFY EXISTING PRESSURE AT P.O.C. PRIOR TO START OF WORK.
- THIS SYSTEM IS DESIGNED FOR A MAXIMUM DEMAND OF 35 GPM AND 75 PSI AT POINT OF CONNECTION WITH A 6-HOUR WATER WINDOW. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, QUANTITIES, PRESSURES AND FLOWS AND SHALL IMMEDIATELY INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN THE DRAWING AND/OR THE SPECIFICATIONS AND ACTUAL CONDITIONS. NO WORK SHALL BE DONE IN ANY AREA WHERE THERE IS SUCH A DISCREPANCY UNTIL THE DISTRICT HAS GIVEN WRITTEN APPROVAL FOR THE SAME. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR WORK INSTALLED WITHOUT APPROVAL. THE CONTRACTOR SHALL COORDINATE WITH OWNER TO REVIEW IRRIGATION SYSTEM PRIOR TO START OF WORK.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROGRAM THE IRRIGATION CONTROLLER BASED ON RECOMMENDATIONS FROM THE LANDSCAPE WATER AUDIT AND AS REQUIRED BY THE 2020 UPDATED MODEL WATER EFFICIENT LANDSCAPE ORDINANCE, CALIFORNIA CODE OF REGULATIONS TITLE 23, DIVISION 2, CHAPTER 2.7 AND EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL MAKE SCHEDULING ADJUSTMENTS AS NEEDED TO ACHIEVE THE MOST EFFICIENT APPLICATION OF WATER BASED ON PLANT TYPE, WATER USE REQUIREMENTS, SOIL TYPE, GRADES, SUN EXPOSURE, SHADE, WIND, ETC.
- THIS DRAWING IS DIAGRAMMATIC. IRRIGATION COMPONENTS SHOWN BENEATH PAVING, UTILITIES, PLANTINGS, ETC. ARE FOR GRAPHIC CLARITY ONLY. PLACE ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS WITHIN THE ADJACENT PLANTER EXCEPT WHERE PIPES CROSS OVER BENEATH PAVING, DECOMPOSED GRANITE, STRUCTURES, WALLS, ETC. THE CONTRACTOR SHALL PLACE PIPING TO PREVENT CONFLICT WITH UTILITIES, TREE LOCATIONS, PLANTING, HARDSCAPE COMPONENTS, WATER PLAY FEATURES, PLAY AREAS AND FURNISHINGS. SEE PLANTING PLAN FOR PLANT COUNT AND LAYOUT. REFER TO CONTRACT DOCUMENTS FOR PROJECT SCOPE.
- THE CONTRACTOR SHALL PROVIDE COMPLETE RECORD DRAWINGS TO OWNER AT COMPLETION OF PROJECT AND AS REQUIRED BY CONTRACT DOCUMENTS.
- THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT THE FOLLOWING PRESSURES: TREE DRIP RINGS AND SHRUB DRIP LINE- 25 PSI. ALL IRRIGATION SHALL BE INSTALLED BY CONTRACTOR AT THE LOCATIONS INDICATED ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DEVIATION WHICH MAY AFFECT THE SPACING OR LOCATION OF THE IRRIGATION LAYOUT.
- CONTRACTOR SHALL BE RESPONSIBLE TO SLEEVE ALL MAIN LINES AND LATERAL LINES WHEN CROSSING BENEATH PAVEMENT, DECOMPOSED GRANITE, WALKWAYS, BUILDINGS, WALLS, ETC. WHETHER OR NOT SHOWN ON THE IRRIGATION PLAN. SIZE PER PLAN AND/OR AS NEEDED BASED ON THE NUMBER OF IRRIGATION LINES AND SIZES. CONTROL WIRES SHALL BE SLEEVED INDEPENDENTLY. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH OTHER TRADES TO INSTALL SLEEVES REQUIRED.
- ALL IRRIGATION REMOTE CONTROL VALVES, QUICK COUPLER VALVES, ELECTRIC PULL BOXES SHALL BE INSTALLED IN PLANTED AREAS AND IN VALVE BOXES. NO VALVES/VALVE BOXES SHALL BE INSTALLED IN PAVED AREAS OR IN TURF AREAS. VALVE BOXES SHALL BE GREEN, EXCEPT IF IN DECOMPOSED GRANITE, IN WHICH CASE THEY SHALL BE TAN COLOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT THE NEW IRRIGATION CONTROLLER TO 110V POWER AND BE RESPONSIBLE TO COORDINATE WITH OTHERS. PROVIDE OWNER TRAINING ON CONTROLLER SCHEDULING FOR BOTH ESTABLISHMENT AND MAINTENANCE SCHEDULES.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPLETE LANDSCAPE WATER AUDIT PER REQUIREMENTS SET FORTH IN THE 2015 UPDATED MODEL WATER EFFICIENT LANDSCAPE ORDINANCE, CALIFORNIA CODE OF REGULATIONS TITLE 23, DIVISION 2, CHAPTER 2.7. CONTRACTOR SHALL MAKE FINAL ADJUSTMENTS TO THE IRRIGATION SYSTEM BASED ON LANDSCAPE WATER AUDIT RECOMMENDATIONS. SEE CONTRACT DOCUMENTS.
- MAIN LINE PIPE SIZE TO BE AS NOTED ON PLANS. LATERAL PIPE SIZE DOWNSTREAM OF LAST PIPE SIZE CALL OUT TO BE 1" PIPE.
- SEE CONTRACT DOCUMENTS, SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.



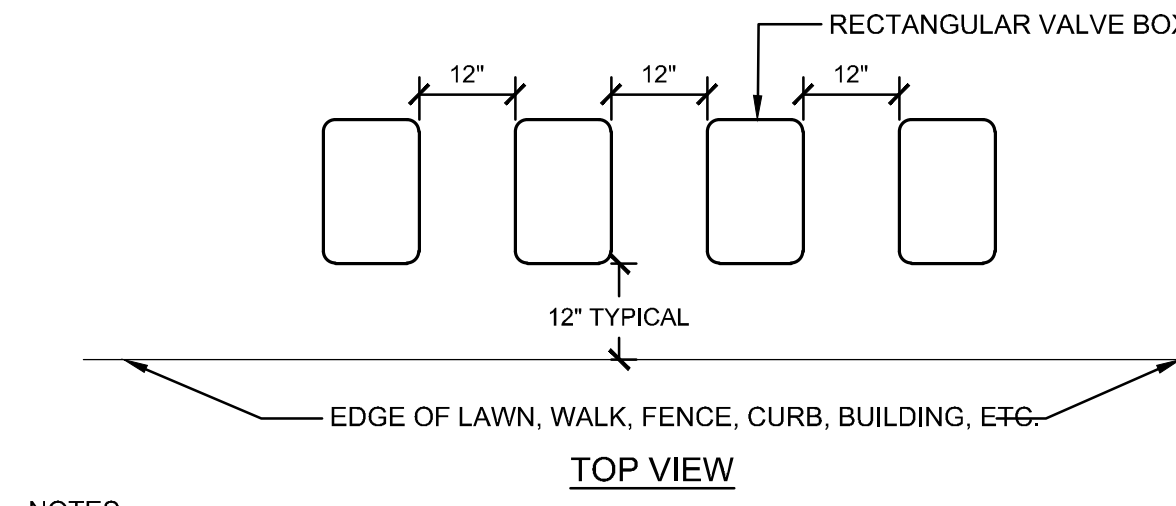


- 1 IRRIGATION CONTROLLER, MANUFACTURER AND MODEL PER PLAN; MOUNT ON PLYWOOD BACKING, APPROXIMATELY AT EYE LEVEL
 - 2 1" PLYWOOD MOUNTING BOARD, ATTACH USING BEST PRACTICES. CONTRACTOR SHALL SEAL AND PAINT PLYWOOD (COLOR TO MATCH WALL).
 - 3 1/2" ELECTRICAL JUNCTION BOX
 - 4 METAL CONDUIT TO 120V POWER SOURCE, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE 120V POWER TO CONTROLLER
 - 5 PVC SCHEDULE 40 CONDUIT, INSTALL 2" CONDUIT FROM CONTROLLER TO NEAREST SHRUB BED FOR REMOTE CONTROL VALVE WIRES. STUB UP INTO ADJACENT ELECTRICAL PANEL.
 - 6 STRAP CONDUIT TO WALL USING GALVANIZED PIPE STRAPS, SIZE PER CONDUIT SIZE. 2 LOCATIONS PER PIPE
 - 7 PVC SCHEDULE 40 CONDUIT FITTINGS AS NEEDED
 - 8 REMOTE CONTROL VALVE WIRES
 - 9 CONDUIT WITH CONTROLLER WIRE TO REMOTE CONTROL VALVES. SEE IRRIGATION PLAN.
 - 10 FINISH FLOOR
 - 11 BUILDING WALL - SEE CONCESSION BUILDING DETAILS
 - 12 BUILDING ELECTRICAL PANEL - SEE CONCESSION DETAIL
- NOTES:
1. ATTACH CONTROLLER TO 4'-0" x 4' COPPER GROUNDING ROD

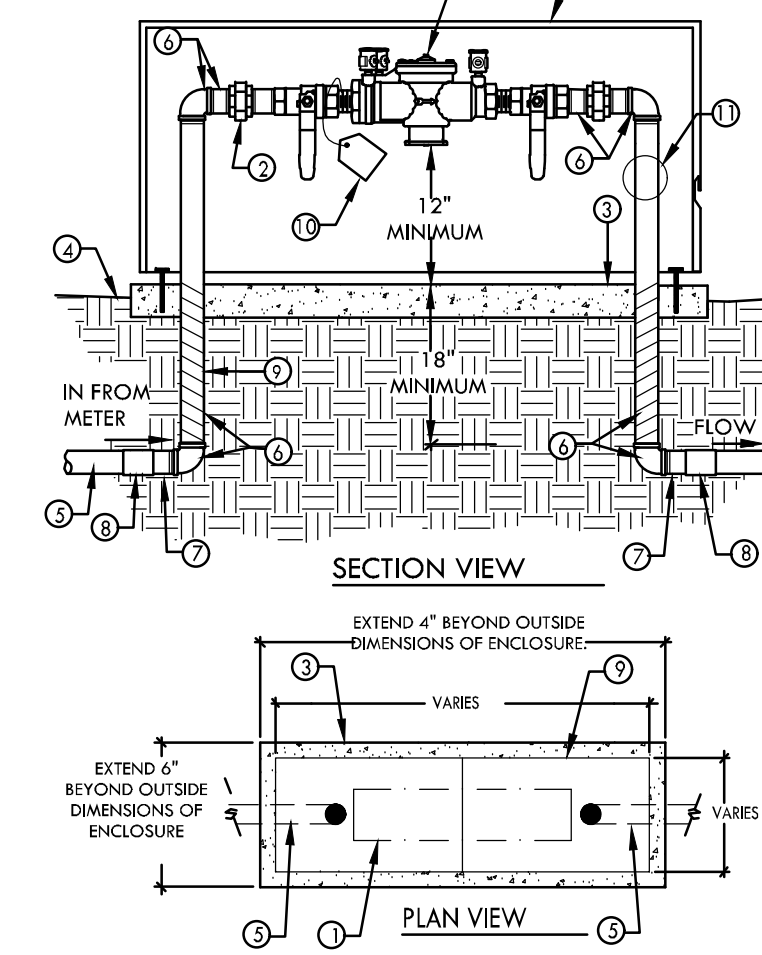


- NOTE:
- 1 DO NOT INSTALL ANY OTHER WIRES OR CABLE WITHIN THE SPHERE OF INFLUENCE OF THE GROUNDING ELECTRODES.
 - 2 EARTH-TO-GROUND RESISTANCE SHALL BE NO MORE THAN 10 OHMS. IF RESISTANCE IS MORE THAN 10 OHMS, INSTALL ADDITIONAL GROUND PLATES USING ASIC GUIDELINES 100-2002.
 - 3 EARTH-TO-GROUND SHALL BE TESTED AND CERTIFIED BY APPROVED REPRESENTATIVE OF THE OWNER

- 1 CONDUIT FROM AT CONCESSION BUILDING WALL PER PLAN; SEE DETAIL.
- 2 5/8" x 10' COPPER GROUND ROD - DRIVE INTO GROUND AT A VERTICAL POSITION OR OBSLUE ANGLE (NOT TO EXCEED 45°) 10' FROM ELECTRONIC EQUIPMENT. CONNECT A 6 AWG BARE COPPER WIRE TO THE GROUND ROD USING A CADWELD, MODEL GR1161 G "ONE-SHOT" WELDING KIT.
- 3 EXOTHERMIC WELDING KIT SUCH AS CADWELD "ONE-SHOT", MODEL GR1161G OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS. (NO SOLDER SHALL BE ALLOWED TO MAKE CONNECTIONS.)
- 4 COPPER GROUND PLATE(S) (4" x 96" x 0.0625") WITH 25' OF 6 AWG BARE COPPER WIRE FACTORY ATTACHED. CONNECT WIRE TO ELECTRONIC EQUIPMENT GROUND LUG (USE BRASS SPLIT BOLT TO CONNECT TWO OR MORE WIRES AS NEEDED).
- 5 100 LBS EARTH CONTACT MATERIAL, PAIGE ELECTRIC MODEL "POWER SET" OR APPROVED EQUAL. SPREAD EVENLY ALONG COPPER PLATE LENGTH AS PER MANUFACTURER'S SPECIFICATIONS.
- 6 #6 AWG BARE COPPER WIRE, INSTALL IN AS STRAIGHT A LINE AS POSSIBLE. WHEN MAKING TURNS USE A SWEEPING BEND WITH A MINIMUM RADIUS OF 8" AND A MINIMUM INCLUDED ANGLE OF 90°
- 7 ELECTRODE SPHERE OF INFLUENCE - INSTALL WIRES, CABLES AND ELECTRONIC EQUIPMENT OUTSIDE THE SPHERE OF INFLUENCE OF THE GROUNDING ELECTRODES
- 8 12" BELOW FINISH GRADE
- 9 30" BELOW FINISH GRADE
- 10 1-1/2" CONDUIT SWEEP WITH A MINIMUM RADIUS OF 8" AND A MINIMUM INCLUDED ANGLE OF 90°
- 11 UNDISTURBED SUBGRADE, SOIL SURROUNDING COPPER ELECTRODES WITHIN THE SPHERE OF INFLUENCE SHALL BE KEPT AT A MINIMUM MOISTURE LEVEL OF 15% AT ALL TIMES



- NOTES:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
 2. SET REMOTE CONTROL VALVE AND VALVE BOX ASSEMBLY IN LEVEL AREA OF PLANTER OR TURF AS SHOWN ON PLAN. NO IRRIGATION BOXES SHALL BE INSTALLED IN CONCRETE, SIDEWALKS, PATHS, ROADWAYS, ETC.
 3. SET VALVE BOXES ON LEVEL BED, 6" DEEP OF 3/4" CRUSHED ROCK. PLACE 1/4" GALVANIZED WIRE MESH DIRECTLY BENEATH VALVE BOX ON TOP OF GRAVEL LEVELING BED. WRAP WIRE MESH AROUND OUTSIDE OF BOXES AND SECURE 6" ABOVE BOTTOM OPENING.
 4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, BUILDING, ETC.
 5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
 6. INSTALL VALVE BOX EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE VALVE ASSEMBLY.
 7. SET TOP OF BOX ABOVE SUB-GRADE: 3-1/4" FOR DECOMPOSED GRANITE AREAS; 1-1/2" IN TURF AREAS. SET VALVE BOX HEIGHT TO MATCH GRADE OF ADJACENT HARDSCAPE.
 8. VALVE BOXES IN TURF SHALL BE GREEN. VALVE BOXES IN DECOMPOSED GRANITE SHALL BE TAN.
 9. GROUP VALVES TOGETHER AS SHOWN ON PLAN AND NOT TO EXCEED 3 VALVE BOXES IN ONE LOCATION. STAKE LOCATION OF VALVES BOXES WITH DIMENSIONS OF AREA REQUIRED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 10. NO VALVES OR VALVE BOXES SHALL BE INSTALLED WITHIN SIX (6) FEET OF AN EXITING OR NEW TREE LOCATION.



- BACKFLOW ENCLOSURE SCHEDULE
1. INSTALL INSULATED BACKFLOW BLANKET; SEE PLAN
 2. CONTRACTOR SHALL BE RESPONSIBLE TO HAVE BACKFLOW CERTIFIED WITHIN (7) DAYS OF INSTALLATION

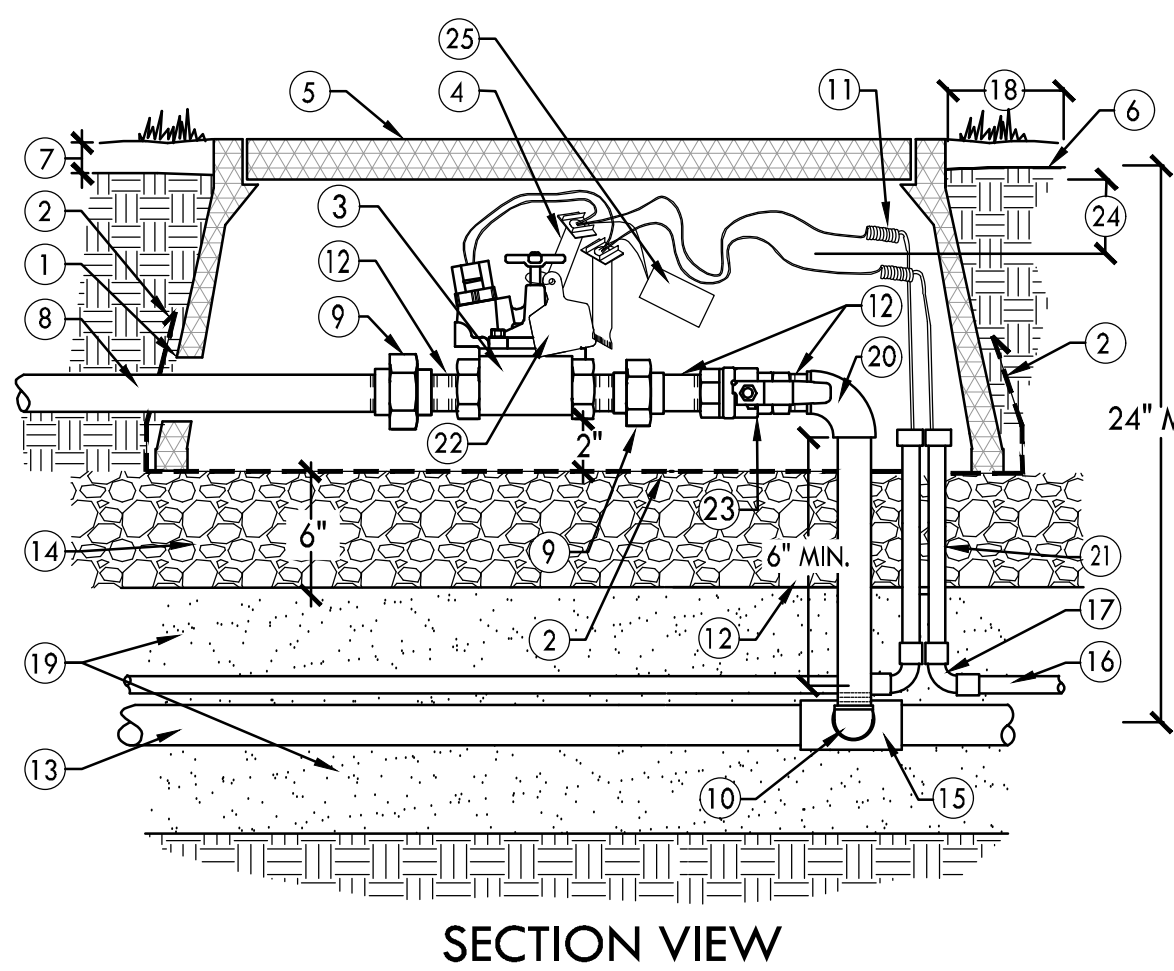
- 1 AWWA APPROVED REDUCED PRESSURE BACKFLOW PREVENTER, LEAD FREE, SIZE AND TYPE PER PLAN
- 2 GALVANIZED STEEL UNION (TYP. 2 PLCS.)
- 3 POURED CONCRETE BASE, 4" MINIMUM THICKNESS. EXTEND 4" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE. SET TOP OF PAD 3" ABOVE GRADE IN SHRUB PLANTER OR DECOMPOSED GRANITE
- 4 FINISH GRADE
- 5 PVC SCHEDULE 40 OR CLASS 315 MAINLINE, SIZE AND TYPE PER PLAN
- 6 GALVANIZED PIPE NIPPLE T.B.E AND FITTINGS. WRAP GALV. WITH 20MIL CORROSION PROTECTION TAPE
- 7 PVC SCHEDULE 80 T.O.E. NIPPLE, MIN. 6" LENGTH
- 8 PVC SCHEDULE 80 COUPLER, SXS
- 9 BACKFLOW ENCLOSURE, SIZE AND MODEL PER PLAN. PROVIDED STAINLESS STEEL MASTER LOCK, MODEL 15SKKADJ WITH 2-1/4" SHACKLE OR APPROVED EQUAL. KEYED TO OWNER'S SPECIFICATIONS.
- 10 BACKFLOW HISTORY TAG, T,CHRISTY MODEL ID-BFH-1 OR APPROVED EQUAL
- 11 PRESSURE REGULATOR, PER PLAN

1 CONTROLLER INDOOR WALL MOUNT
L4.1

2 CONTROLLER EARTH GROUND
L4.1

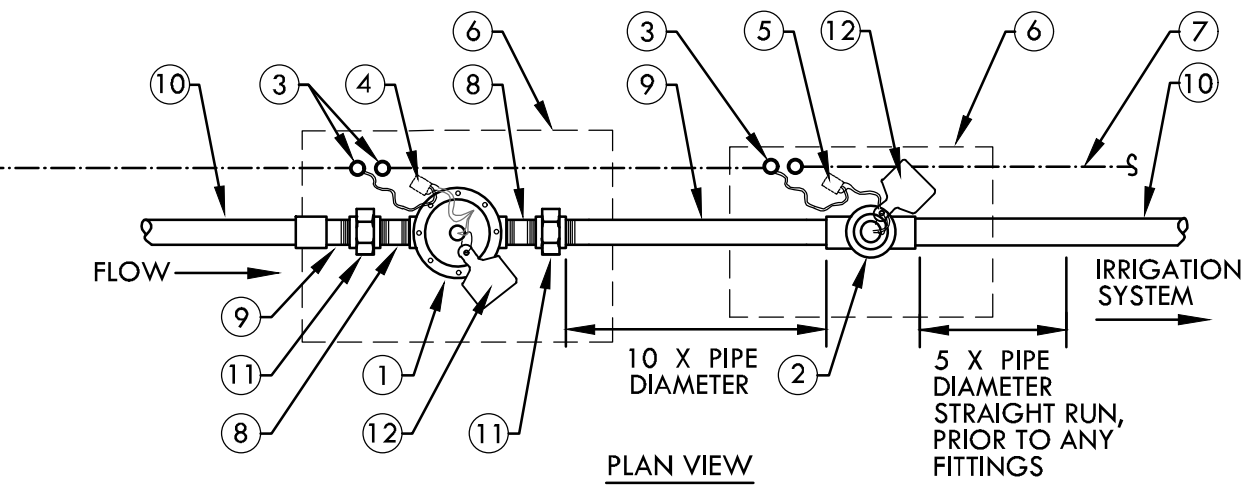
3 IRRIGATION BOX LAYOUT
L4.1 1/2" = 1'-0"

4 BACKFLOW PREVENTER AND ENCLOSURE
L4.1 NOT TO SCALE



- SECTION VIEW
- 1 TRIM VALVE BOX TO PROVIDE 1" CLEARANCE OVER PIPE
 - 2 1/4" GALVANIZED WIRE CLOTH - INSTALL ON TOP OF CRUSHED DRAIN ROCK 6" BEYOND EDGE OF VALVE BOX IN ALL DIRECTIONS
 - 3 MASTER VALVE ASSEMBLY WITH TWO WIRE DECODER, SIZE AND MODEL PER PLAN.
 - 4 LOCKING WATERPROOF WIRE CONNECTOR, DBR-6/DBY, SIZED FOR 2-WIRE CABLE SYSTEM.
 - 5 CARSON PLASTIC VALVE BOX OR APPROVED EQUAL, SIZED APPROPRIATELY TO ENCLOSE ENTIRE VALVE ASSEMBLY, WITH LOCK KIT AND L-BOLT, COLOR PER IRRIGATION PLANS/SPECIFICATIONS. LID MARKED IRRIGATION.
 - 6 FINISH GRADE - SEE GRADING PLAN.
 - 7 SET TOP OF BOX ABOVE SUBGRADE: 3-1/4" IF IN DECOMPOSED GRANITE; 1-1/2" IN TURF. SET VALVE BOX HEIGHT TO MATCH GRADE OF ADJACENT HARDSCAPE.
 - 8 PVC LATERAL LINE, SIZE AND TYPE PER PLAN. PROVIDE 18" LENGTH PRIOR TO FIRST FITTING.
 - 9 SCHEDULE 80 PVC UNION, T x T (TYP. 2 PLCS.)
 - 10 SCHEDULE 80 PVC STREET ELBOW, T x T
 - 11 2-WIRE CABLE PER SPECIFICATIONS - PROVIDE 24" SPARE LOOP WRAPPED NEATLY ALONG INTERIOR OF VALVE BOX.
 - 12 PVC SCHEDULE 80 NIPPLE, T.O.E. OR T.B.E. AS NEEDED, LENGTH AS NEEDED, OR 6" MIN. LENGTH WHERE NOTED
 - 13 PVC MAIN LINE, SIZE AND TYPE PER PLAN. 24" MINIMUM COVER. SEE SPECIFICATIONS.
 - 14 3/4" CRUSHED ROCK, 6" DEPTH. EXTEND 6" BEYOND VALVE BOX IN ALL DIRECTIONS.
 - 15 SCHEDULE 80 PVC TEE (SxSxT)
 - 16 PVC CONDUIT, SIZE AND TYPE LARGE ENOUGH TO FIT ALL WIRES
 - 17 PVC CONDUIT SWEEP, COUPLED BOTH ENDS. SIZE AND TYPE LARGE ENOUGH FOR ALL WIRES
 - 18 12" FROM HARDSCAPE
 - 19 SAND BACKFILL, 6" ABOVE AND 6" BELOW MAIN LINE, PER SPECIFICATIONS
 - 20 PVC SCHEDULE 80 ELBOW, SXS
 - 21 PVC SCHEDULE 40 CONDUIT RISER, SIZED TO FIT WIRES. SOLVENT WELD COUPLERS AT CONDUIT ENDS, PROVIDE MINIMUM 2" CLEARANCE ABOVE GRAVEL
 - 22 T,CHRISTY ID TAG MODEL ID-STD-Y2; YELLOW PRINTED WITH CONTROLLER/VALVE NUMBER ON 2 SIDES. ATTACH TAG TO VALVE STEM USING NYLON CABLE TIE.
 - 23 PVC SCH 80 BALL VALVE T x T, SIZE PER VALVE SIZE.
 - 24 HEIGHT BELOW GRADE TO ALLOW MIN. 3" CLR FROM VALVE TO BOTTOM OF VALVE BOX LID. USE PVC 45 DEG ELBOWS DOWNSTREAM OF VALVE TO OBTAIN 18" COVER ON LATERALS.
 - 25 TWO-WIRE DECODER, SINGLE-STATION

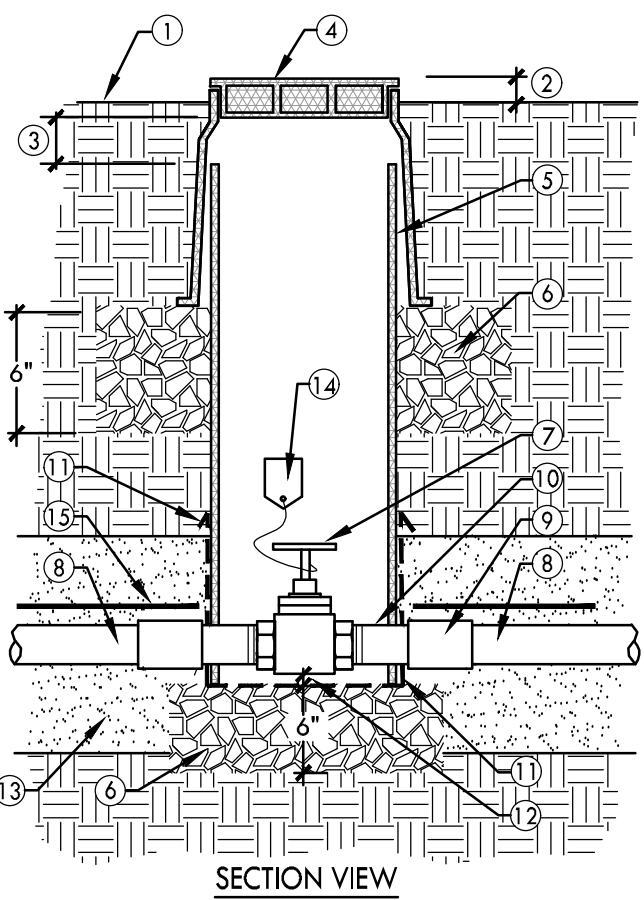
- 1 10" DIAMETER PVC PIPE, LENGTH AS NEEDED. CUT TOP OF PVC PIPE SQUARE AND CLEAN OF ALL ROUGH EDGES AND BURRS.
- 2 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
- 3 BRASS BALL VALVE, FULL PORT- 2" AND SMALLER WITH "T" HANDLE. WHEEL HANDLES ARE NOT ALLOWED. SEE SPECIFICATIONS.
- 4 PVC SCHEDULE 40 OR CLASS 315 MAIN LINE AS PER PLANS
- 5 PVC SCHEDULE 80 COUPLER
- 6 PVC SCHEDULE 80 T.O.E. NIPPLE, MIN. 6" LENGTH
- 7 INSTALL 1/4" GALVANIZED WIRE CLOTH AT BOTTOM OF 10" PIPE AND SECURE TO SIDES ABOVE PIPE OPENING. TRIM OPENING FOR EQUIPMENT/PIPES AS NEEDED.
- 8 LEAVE MINIMUM 2" CLEAR SPACE BETWEEN BOTTOM OF VALVE AND FITTINGS AND TOP OF DRAIN ROCK.
- 9 SAND BACKFILL, 6" ABOVE AND 6" BELOW MAIN LINE PER SPECIFICATIONS
- 10 IRRIGATION WATER ID TAG; T,CHRISTY MODEL ID-MAX-B2-NP012
- 11 IRRIGATION DETECTABLE MARKING TAPE, T,CHRISTY OR APPROVED EQUAL
- 12 NOTE: 1. GATE VALVES 2" AND SMALLER SHALL BE THREADED. 2. WHEN THE MAIN LINE IS TERMINATED AT THE VALVE, EXTEND MAIN LINE 48" BEYOND VALVE BOX AND CAP.
- 13 FINISH GRADE
- 14 SET TOP OF BOX TO ALLOW FOR FINISH SURFACE IN PLANTER OR DECOMPOSED GRANITE.
- 15 ALLOW 3" BETWEEN TOP OF THE INTERIOR VALVE BOX COVER AND PVC PIPE.
- 16 GREEN PLASTIC VALVE BOX WITH LOC-KIT AND L-BOLT, CARSON MODEL 910 OR APPROVED EQUAL



- SECTION VIEW
- 1 NORMALLY OPEN MASTER VALVE, INSTALL DOWNSTREAM OF BACKFLOW PREVENTER PER MANUFACTURER'S SPECIFICATIONS
 - 2 TEE MOUNTED ULTRASONIC FLOW SENSOR IN SCHEDULE 80 TEE. INSTALL AT ANGLE IF NEEDED PER MANUFACTURER'S SPECIFICATIONS.
 - 3 1-1/2" PVC SCHEDULE 40 CONDUIT AND FITTINGS; INSTALL 2-WIRE CABLE AND SENSOR CABLE IN CONDUIT FROM FLOW SENSOR AND MASTER VALVE TO CONTROLLER.
 - 4 2-WIRE MASTER VALVE DECODER; SIZE AND MODEL PER PLAN
 - 5 2-WIRE SENSOR DECODER; SIZE AND MODEL PER PLAN
 - 6 CARSON 1220 RECTANGULAR VALVE BOX WITH LOCK KIT AND BOLTS (COLOR PER SPECIFICATIONS), OR APPROVED EQUAL. CONTRACTOR TO SUPPLY L-BOLTS
 - 7 FLOW SENSOR CABLE PER MANUFACTURER'S SPECIFICATIONS
 - 8 PVC SCHEDULE 80 NIPPLE, T.B.E.; SIZE PER VALVE SIZE, 3" MIN. LENGTH
 - 9 PVC SCHEDULE 80 NIPPLE, T.O.E. (MACHINED); SIZE PER VALVE SIZE, 3" MIN. LENGTH
 - 10 PVC MAIN LINE (TYPE AND SIZE PER PLAN) AND SCHEDULE 80 FITTINGS
 - 11 PVC UNION, T x T, TO MATCH MAIN LINE SIZE
 - 12 ATTACH VALVE ID TAG, T,CHRISTY MODEL ID-STD-Y2 TO VALVE STEM USING NYLON CABLE TIE.

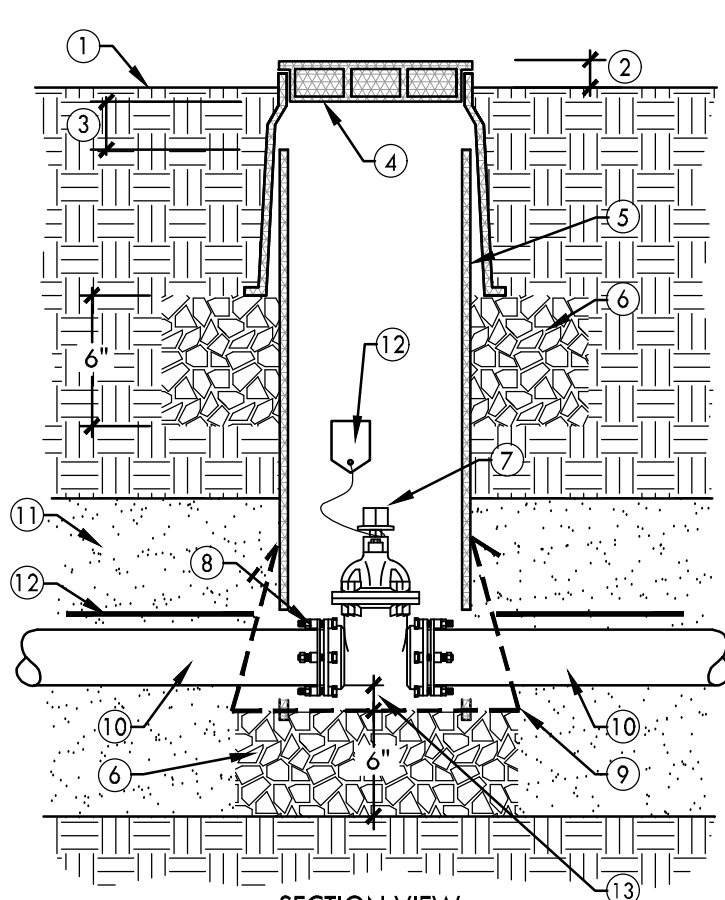
5 MASTER VALVE - TWO-WIRE
L4.1 NOT TO SCALE

6 MASTER VALVE/FLOW SENSOR ASSEMBLY- 2-WIRE
L4.1 NOT TO SCALE



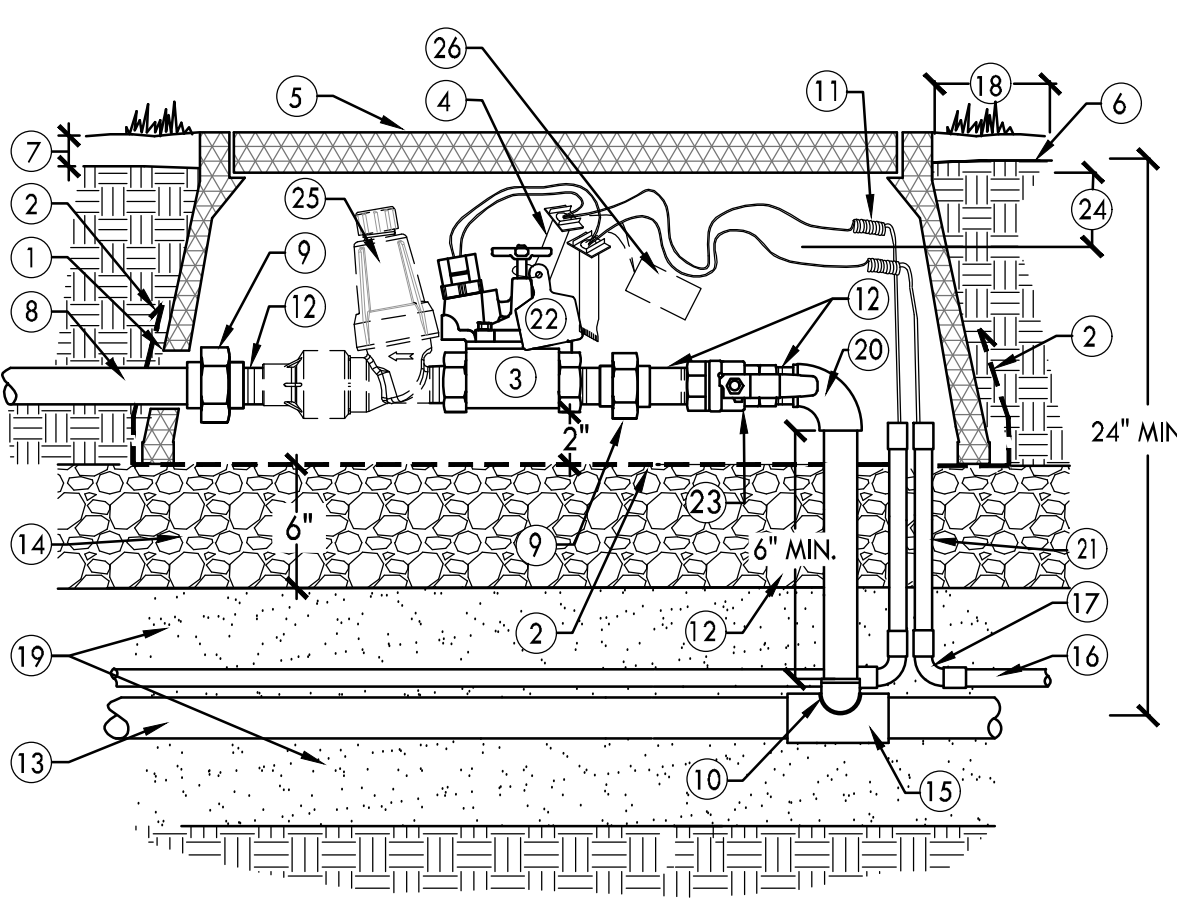
- SECTION VIEW
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 - 4 GREEN PLASTIC VALVE BOX WITH LOC-KIT AND L-BOLT, CARSON MODEL 910 OR APPROVED EQUAL
 - 5 10" DIAMETER PVC PIPE, LENGTH AS NEEDED. CUT TOP OF PVC PIPE SQUARE AND CLEAN OF ALL ROUGH EDGES AND BURRS.
 - 6 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH. EXTEND 6" BEYOND VALVE BOX ALL DIRECTIONS.
 - 7 BRASS BALL VALVE, FULL PORT- 2" AND SMALLER WITH "T" HANDLE. WHEEL HANDLES ARE NOT ALLOWED. SEE SPECIFICATIONS.
 - 8 PVC SCHEDULE 40 OR CLASS 315 MAIN LINE AS PER PLANS
 - 9 PVC SCHEDULE 80 COUPLER
 - 10 PVC SCHEDULE 80 T.O.E. NIPPLE, MIN. 6" LENGTH
 - 11 INSTALL 1/4" GALVANIZED WIRE CLOTH AT BOTTOM OF 10" PIPE AND SECURE TO SIDES ABOVE PIPE OPENING. TRIM OPENING FOR EQUIPMENT/PIPES AS NEEDED.
 - 12 LEAVE MINIMUM 2" CLEAR SPACE BETWEEN BOTTOM OF VALVE AND FITTINGS AND TOP OF DRAIN ROCK.
 - 13 SAND BACKFILL, 6" ABOVE AND 6" BELOW MAIN LINE PER SPECIFICATIONS

- 13 IRRIGATION DETECTABLE MARKING TAPE, T,CHRISTY OR APPROVED EQUAL
- 14 NOTE: 1. GATE VALVES 2" AND SMALLER SHALL BE THREADED. 2. WHEN THE MAIN LINE IS TERMINATED AT THE VALVE, EXTEND MAIN LINE 48" BEYOND VALVE BOX AND CAP.



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- 1 FINISH GRADE
 - 2 SET TOP OF BOX TO ALLOW FOR FINISH SURFACE IN PLANTER OR DECOMPOSED GRANITE.
 - 3 ALLOW 3" BETWEEN TOP OF THE INTERIOR VALVE BOX COVER AND PVC PIPE
 - 4 GREEN PLASTIC VALVE BOX WITH BOLT DOWN LOC-KIT, CARSON MODEL 910 OR APPROVED EQUAL
 - 5 10" DIAMETER PVC PIPE; LENGTH AS NEEDED. CUT TOP OF PVC PIPE SQUARE AND CLEAN OF ALL ROUGH EDGES AND BURRS. TRIM PIPE AT VALVE TO PROVIDE 1" CLEARANCE AROUND CLAMPS.
 - 6 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
 - 7 FLANGED GATE VALVE WITH SQUARE OPERATING NUT; LEAVE 2" MINIMUM CLEAR SPACE BENEATH VALVE.
 - 8 PVC SCHEDULE 80 FLANGE AND BOLT/GASKET KIT.
 - 9 INSTALL 1/4" GALVANIZED WIRE CLOTH AT BOTTOM OF 10" PIPE AND SECURE TO SIDES ABOVE PIPE OPENING. TRIM OPENING FOR EQUIPMENT/PIPES AS NEEDED.
 - 10 PVC SCHEDULE 40 OR CLASS 315 MAIN LINE AS PER PLAN
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 - 12 IRRIGATION WATER ID TAG; T,CHRISTY MODEL ID-MAX-B2-NP012
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 - 14 IRRIGATION DETECTABLE MARKING TAPE, T,CHRISTY OR APPROVED EQUAL

- NOTES:
1. WHEN THE MAIN LINE IS TERMINATED AT THE VALVE, EXTEND MAIN LINE 48" BEYOND VALVE BOX AND INSTALL SELF RESTRAINED CAP, ROMAC ALPHA CAP OR APPROVED EQUAL.



- SECTION VIEW
- 1 TRIM VALVE BOX TO PROVIDE 1" CLEARANCE OVER PIPE
 - 2 1/4" GALVANIZED WIRE CLOTH - INSTALL ON TOP OF CRUSHED DRAIN ROCK 6" BEYOND EDGE OF VALVE BOX IN ALL DIRECTIONS
 - 3 REMOTE CONTROL DRIP VALVE ASSEMBLY, WITH 2-WIRE DECODER. SIZE AND MODEL PER PLAN.
 - 4 LOCKING WATERPROOF WIRE CONNECTOR, DBY/DBR-6.
 - 5 CARSON PLASTIC VALVE BOX OR APPROVED EQUAL, SIZED APPROPRIATELY TO ENCLOSE ENTIRE VALVE ASSEMBLY, WITH LOCK KIT AND L-BOLT, COLOR PER IRRIGATION PLANS/SPECIFICATIONS. LID MARKED IRRIGATION.
 - 6 FINISH GRADE - SEE GRADING PLAN.
 - 7 SET TOP OF BOX ABOVE SUBGRADE: 3-1/4" DECOMPOSED GRANITE; 1-1/2" IN TURF. SET VALVE BOX HEIGHT TO MATCH GRADE OF ADJACENT HARDSCAPE.
 - 8 PVC LATERAL LINE, SIZE AND TYPE PER PLAN. PROVIDE 18" LENGTH PRIOR TO FIRST FITTING.
 - 9 SCHEDULE 80 PVC UNION, T x T (TYP. 2 PLCS.)
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 - 23 PVC SCH 80 BALL VALVE T x T, SIZE PER VALVE SIZE.
 - 24 HEIGHT BELOW GRADE TO ALLOW MIN. 3" CLR FROM VALVE TO BOTTOM OF VALVE BOX LID. USE PVC 45 DEG ELBOWS DOWNSTREAM OF VALVE TO OBTAIN 18" COVER ON LATERALS.
 - 25 HY100 SCREEN FILTER, 100 MESH
 - 26 TWO-WIRE DECODER, SINGLE-STATION

9 REMOTE CONTROL DRIP VALVE - TWO-WIRE
L4.1 NOT TO SCALE

7 ISOLATION VALVE 2" AND SMALLER
L4.1 NOT TO SCALE

8 ISOLATION VALVE, 2-1/2" AND LARGER
L4.1 NOT TO SCALE

FILE NAME: G:\MDS\2500-2599\2537 McKinleyville BMX and Park\2537 CAD (CD)\SHEETS\2537-L4.1-IRRG-DFTS.dwg
PLOT DATE: March 18, 2024 - 3:15 PM



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PROJECT
BMX TRACK AND
PARK PROJECT

SHEET TITLE
IRRIGATION
DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PLOT DATE: 12-28-2023

PROJECT NUMBERS

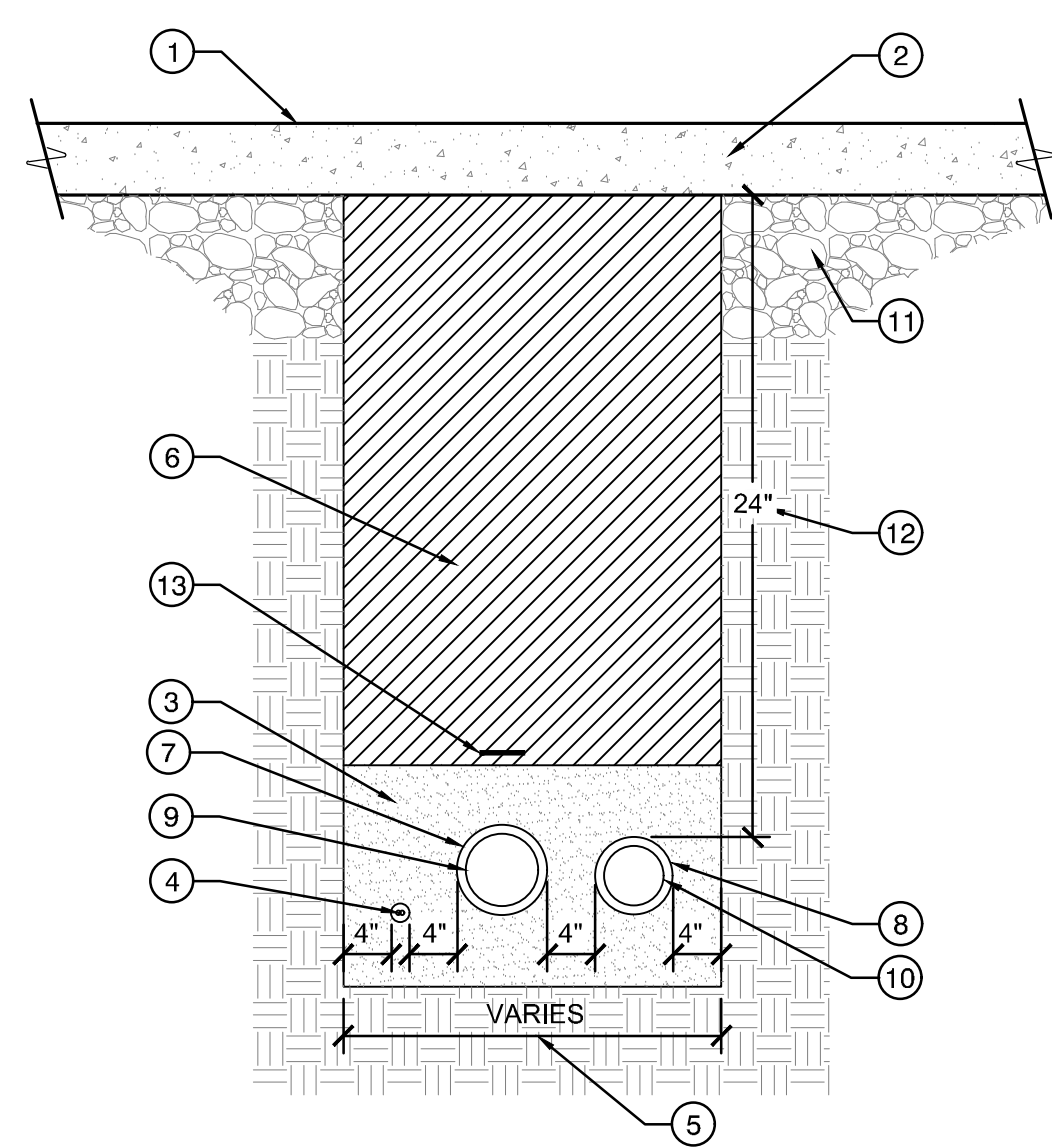
MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #:-

SHEET NUMBER

L4.1

SHEET 42 OF 47

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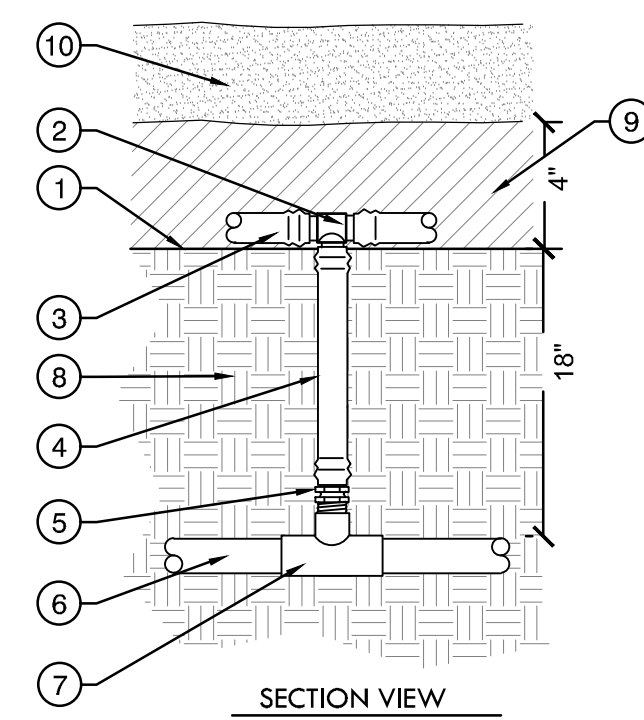


- 1 FINISH GRADE - SEE LANDSCAPE PLAN.
- 2 VEHICULAR OR PEDESTRIAN PAVING.
- 3 SAND BACKFILL WITH 6" COVER ABOVE PIPE AND 6" BELOW PIPE.
- 4 DIRECT BURIAL IRRIGATION WIRE SEE SPECIFICATIONS.
- 5 WIDTH AS NEEDED TO MAINTAIN A MINIMUM 4" HORIZONTAL SEPARATION BETWEEN PIPES. PIPES SHALL NOT BE LAID ON TOP OF ANOTHER, SEE SPECIFICATIONS.
- 6 TRENCH BACKFILL: BENEATH VEHICULAR PAVEMENT: COMPACTED CLASS 11 AGGREGATE DEPTH AND COMPACTION PER ENGINEER'S PLANS. BENEATH NON-VEHICULAR PAVEMENT: NATIVE SITE SOIL, COMPACTED 95% RELATIVE DENSITY.
- 7 MAINLINE SLEEVING, TYPE AND SIZE PER PLAN. SEE SPECIFICATIONS.
- 8 LATERAL SLEEVING, SCHEDULE 40 PVC PIPE. SIZE PER PLAN. SEE SPECIFICATIONS.
- 9 PVC MAINLINE PER PLANS.
- 10 PVC SCHEDULE 40 LATERAL LINE. SEE SPECIFICATIONS.
- 11 PAVEMENT SUBGRADE PER ENGINEER'S PLANS.
- 12 SLEEVING, 24" MINIMUM COVER BENEATH PAVING.
- 13 DETECTABLE MARKING TAPE. RUN ENTIRE LENGTH OF MAIN LINE AND ON ALL MAIN LINE BRANCHES. PLACEMENT AND DEPTH PER MANUFACTURER'S SPECIFICATIONS.

NOTE:
1. SIDES OF TRENCH SHALL BE DUG SQUARE AND CLEAN OF ALL SHARP MATERIAL.

1 TRENCHING BENEATH PAVEMENT

L4.2 NOT TO SCALE



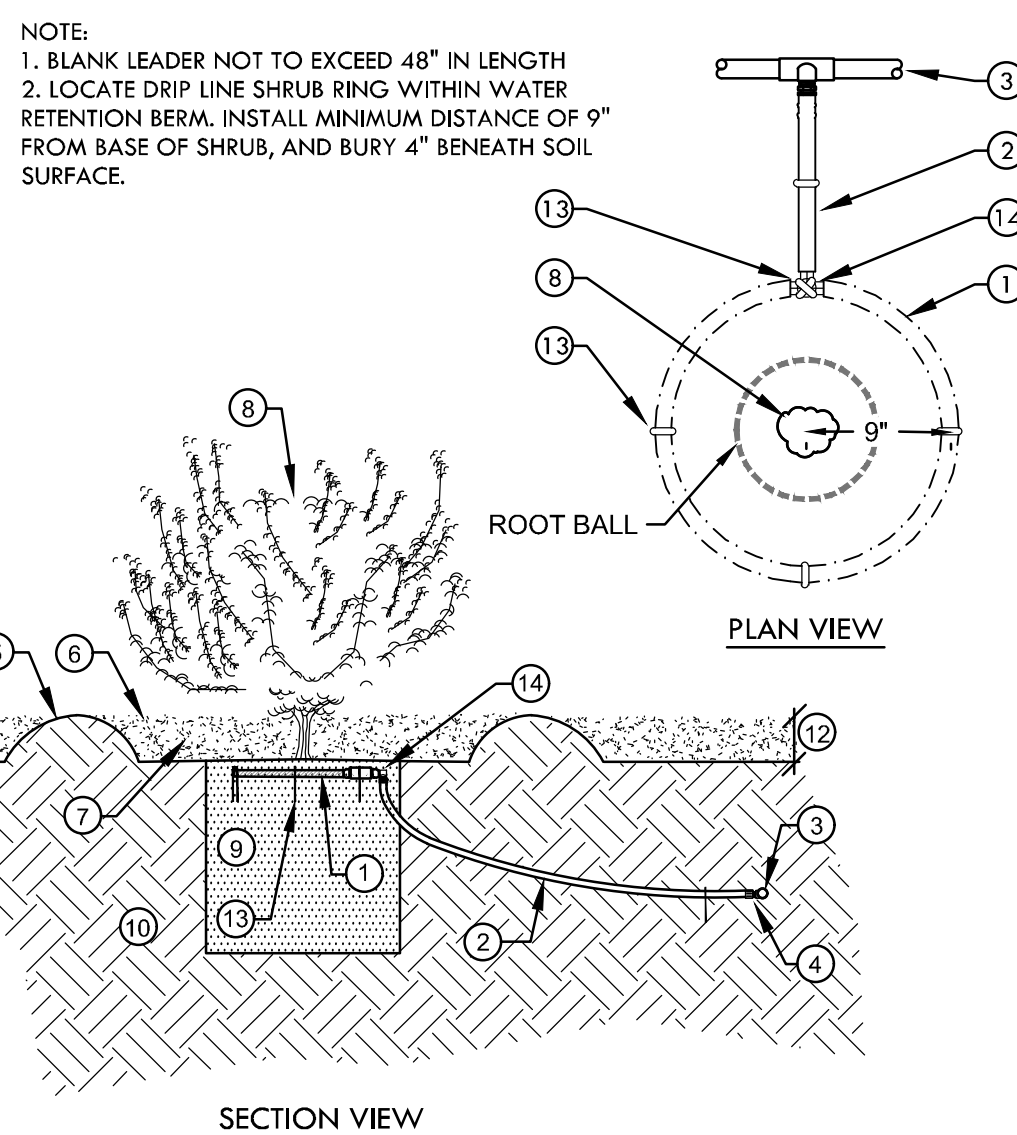
- 1 FINISH GRADE - SEE LANDSCAPE PLAN
- 2 DRIP LINE TEE
- 3 DRIP LINE ON SURFACE; DRIP LINE MANUFACTURER PER PLAN
- 4 BLANK TUBING, LENGTH AS NEEDED
- 5 3/4" MALE ADAPTER
- 6 PVC SCHEDULE 40 SUB HEADER
- 7 PVC SCHEDULE 40 TEE WITH 3/4" THREADED OUTLET
- 8 UNIFORMLY PREPARED SUBGRADE COMPACTED TO 90% RELATIVE DENSITY. SEE DRIP LINE MANUFACTURER'S SPECIFICATIONS.
- 9 4" APPROVED BACKFILL
- 10 MULCH OR DECOMPOSED GRANITE LAYER PER PLANTING PLAN

NOTE:
SECURE DRIP LINE TO FINISH GRADE USING 6" WIRE STAPLES. INSTALL WIRE STAPLES EVERY THREE (3) FEET.

3 DRIP LINE START CONNECTION

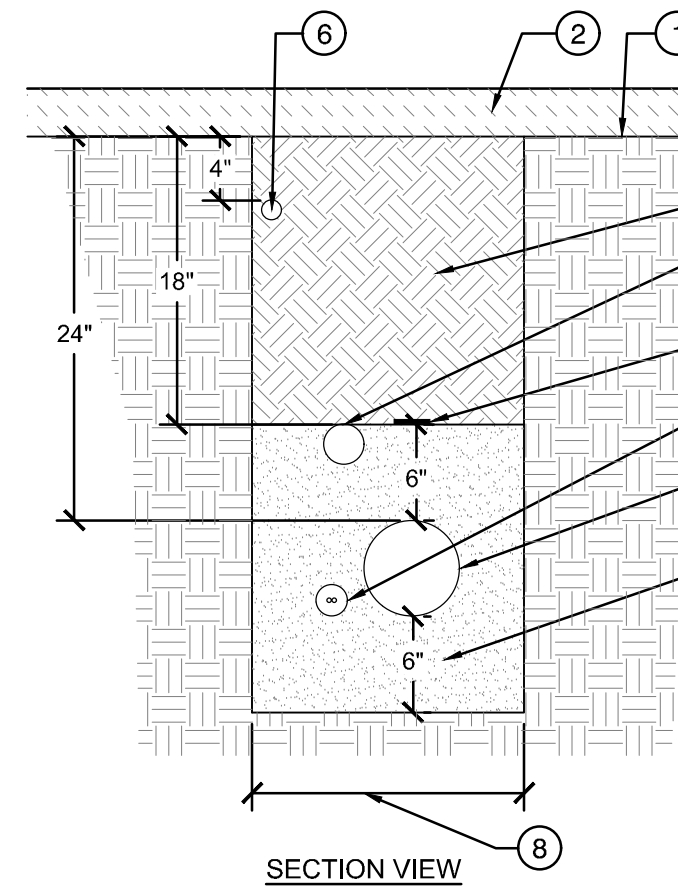
L4.2 N.T.S.

- 1 DRIP LINE SHRUB RING - 6 EMITTERS PER SHRUB RING (12" s.c. EMITTER SPACING), MANUFACTURER AND MODEL PER PLAN.
- 2 BLANK DRIP LINE TO PVC LATERAL; NOT TO EXCEED 48" IN LENGTH
- 3 PVC LATERAL LINE
- 4 START CONNECTION. SEE DRIPLINE START CONNECTION DETAIL.
- 5 WATER RETENTION BERM AS PER PLANTING PLAN
- 6 FINISH GRADE
- 7 TOP DRESSING PER PLANTING PLAN
- 8 SHRUB PLANTING PER PLANTING PLAN
- 9 PLANTING HOLE BACKFILL MIX PER PLANTING PLAN
- 10 NATIVE SUBGRADE
- 11 NOT USED
- 12 TOP DRESSING DEPTH PER PLANTING PLAN.
- 13 6" GALVANIZED SOIL STAPLE, INSTALL AT A MINIMUM OF 4 LOCATIONS PER RING SPACED EVENLY APART. USE 2 AT FITTINGS IN CRISS-CROSSED FASHION.
- 14 BARB X BARB DRIP FITTING PER MANUFACTURER'S SPECIFICATIONS



5 SHRUB RING 9 INCH RADIUS

L4.2 SCALE: N.T.S.



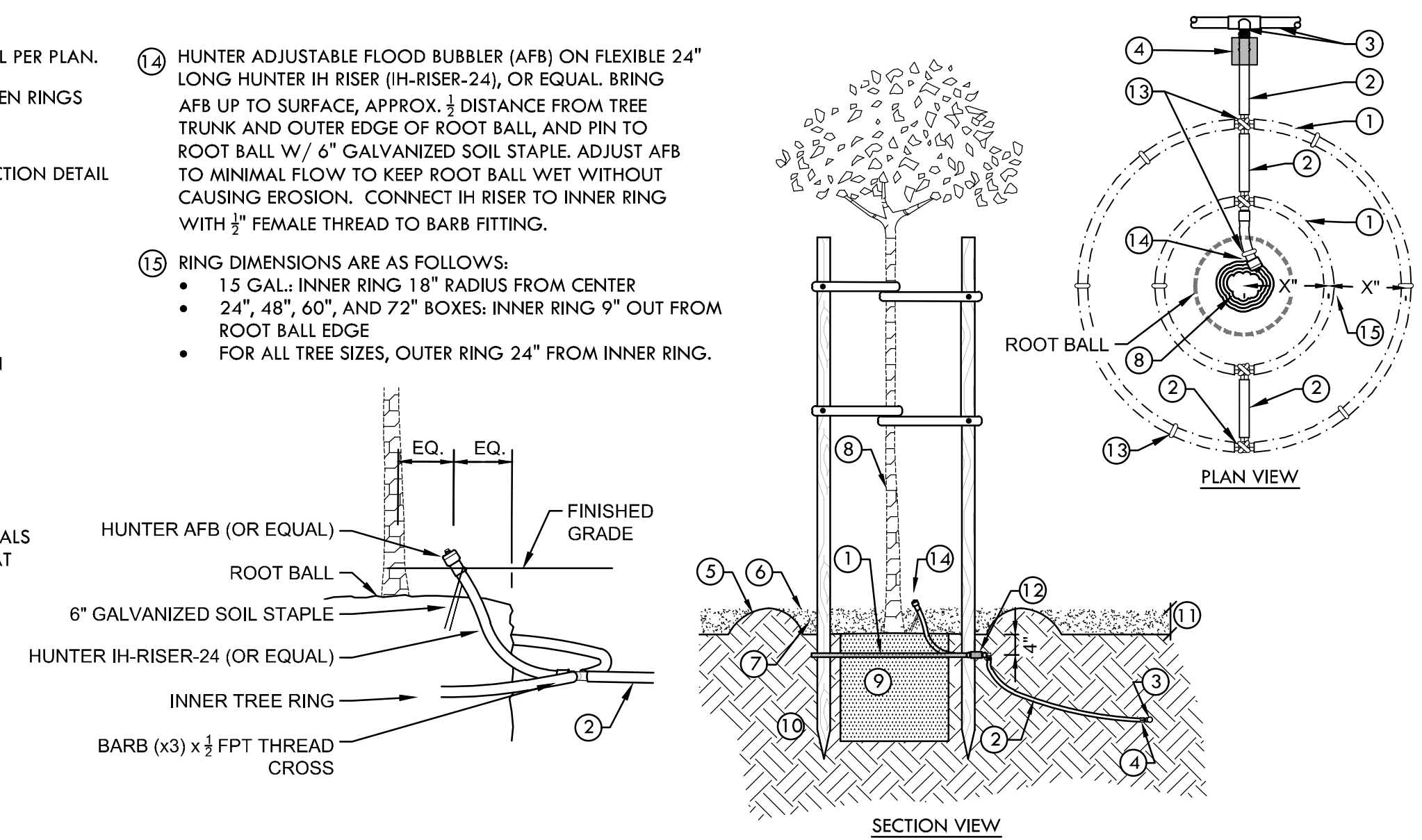
- 1 FINISH GRADE PER LANDSCAPE PLAN.
- 2 MULCH LAYER PER LANDSCAPE PLAN.
- 3 APPROVED BACKFILL PER PLANTING PLAN.
- 4 SAND BACKFILL; MINIMUM 6" ABOVE AND BELOW MAIN LINE WITH MINIMUM 6" BACKFILL.
- 5 MAIN LINE DETECTION TAPE: T. CHRISTY MODEL TA-DT-3-BIRR OR APPROVED EQUAL. INSTALL ABOVE IRRIGATION MAIN LINE PIPE PER MANUFACTURER'S SPECIFICATIONS.
- 6 DRIP LINE. INSTALL 4" BELOW FINISH GRADE AND STAKE EVERY THREE (3) FEET.
- 7 PVC SCHEDULE 40 CONDUIT WITH WIRE CABLE AND PULL TAPE. SIZE PER PLANS.
- 8 WIDTH AS REQUIRED TO MAINTAIN MINIMUM 4" HORIZONTAL SEPARATION FROM PIPE TO PIPE AND PIPE TO TRENCH WALL. NO PIPE SHALL BE LAID OVER ANOTHER.
- 9 IRRIGATION MAIN LINE. SIZE AND TYPE PER PLAN. 24" MINIMUM COVER.
- 10 PVC LATERAL. SIZE AND TYPE PER PLAN. 18" MINIMUM COVER.

2 TRENCHING IN PLANTER

L4.2 1" = 1'-0"

- 1 DRIP LINE TREE RING - MANUFACTURER AND MODEL PER PLAN.
- 2 BLANK PE TUBING TO PVC LATERAL AND IN BETWEEN RINGS
- 3 PVC LATERAL LINE
- 4 START CONNECTION. SEE DRIPLINE START CONNECTION DETAIL
- 5 WATER RETENTION BERM AS PER PLANTING PLAN
- 6 FINISH GRADE
- 7 TOP DRESSING PER PLANTING PLAN
- 8 TREE PLANTINGS PER PLANTING PLAN
- 9 PLANTING HOLE BACKFILL MIX PER PLANTING PLAN
- 10 NATIVE SUBGRADE
- 11 3" TOP DRESSING, SEE PLANTING PLAN.
- 12 BARB X BARB DRIP FITTING PER MANUFACTURER'S SPECIFICATIONS
- 13 6" GALVANIZED SOIL STAPLE; INSTALL AT 3' INTERVALS ALONG ENTIRE LENGTH OF DRIP LINE, AND USE 2 AT FITTINGS IN CRISS-CROSSED FASHION.
- 14 HUNTER ADJUSTABLE FLOOD BUBBLER (AFB) ON FLEXIBLE 24" LONG HUNTER IH RISER (IH-RISER-24), OR EQUAL. BRING AFB UP TO SURFACE, APPROX. 1/2 DISTANCE FROM TREE TRUNK AND OUTER EDGE OF ROOT BALL, AND PIN TO ROOT BALL W/ 6" GALVANIZED SOIL STAPLE. ADJUST AFB TO MINIMAL FLOW TO KEEP ROOT BALL WET WITHOUT CAUSING EROSION. CONNECT IH RISER TO INNER RING WITH 1/2" FEMALE THREAD TO BARB FITTING.
- 15 RING DIMENSIONS ARE AS FOLLOWS:
 - 15 GAL: INNER RING 18" RADIUS FROM CENTER
 - 24", 48", 60", AND 72" BOXES: INNER RING 9" OUT FROM ROOT BALL EDGE
 - FOR ALL TREE SIZES, OUTER RING 24" FROM INNER RING.

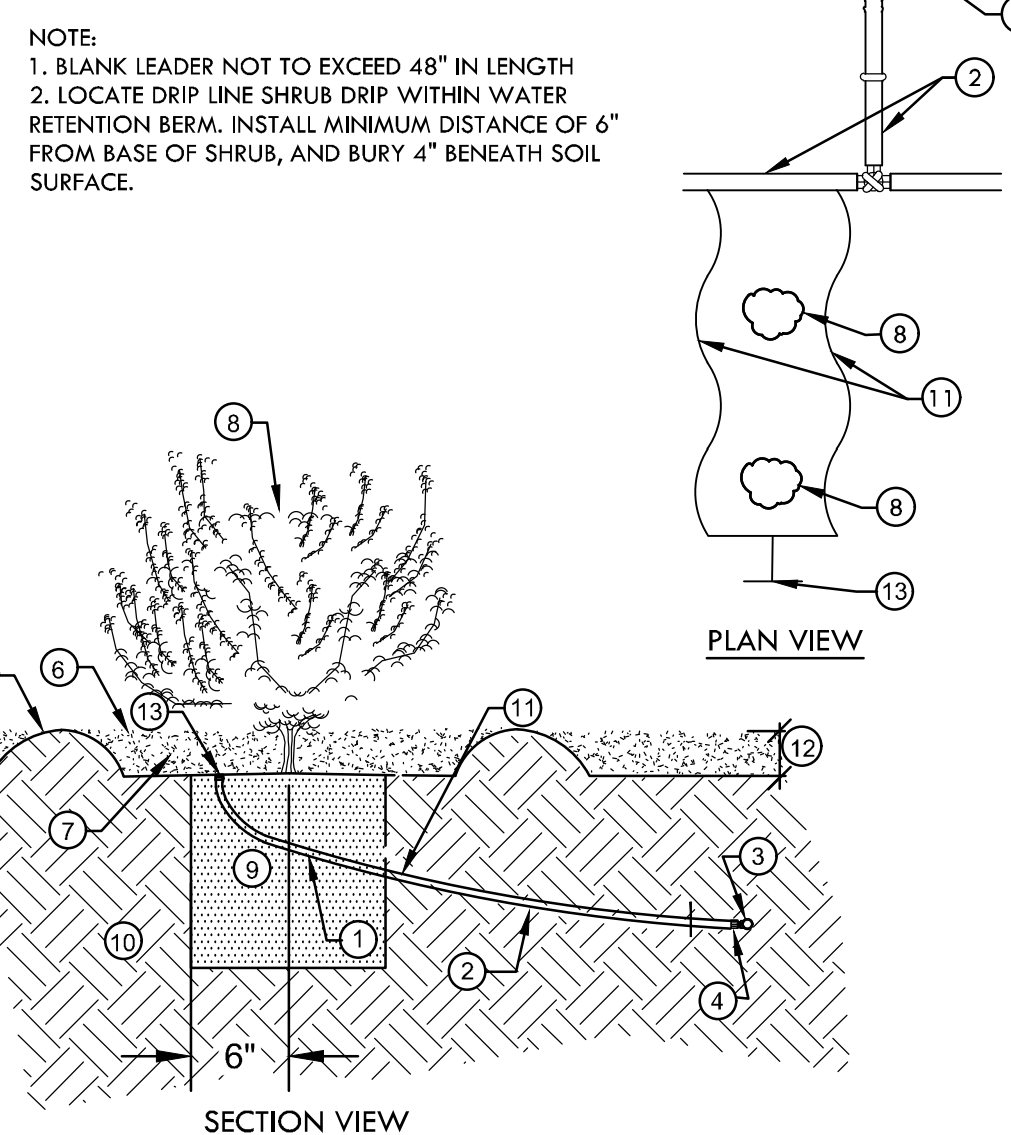
NOTE:
1. BLANK LEADER NOT TO EXCEED 48" IN LENGTH
2. BURY BOTH RINGS 4" BENEATH SOIL SURFACE.
3. INSTALL SUPPLEMENTAL BUBBLER AS SHOWN IN DETAIL



4 TREE RING WITH ADJUSTABLE FLOOD BUBBLER

L4.2 N.T.S.

- 1 DRIP LINE - MANUFACTURER AND MODEL PER PLAN.
- 2 BLANK DRIP LINE TO PVC LATERAL, NOT TO EXCEED 48" IN LENGTH
- 3 PVC LATERAL LINE
- 4 START CONNECTION. SEE DRIPLINE START CONNECTION DETAIL
- 5 WATER RETENTION BERM AS PER PLANTING PLAN
- 6 FINISH GRADE
- 7 TOP DRESSING PER PLANTING PLAN
- 8 SHRUB PLANTING PER PLANTING PLAN
- 9 PLANTING HOLE BACKFILL MIX PER PLANTING PLAN
- 10 NATIVE SUBGRADE
- 11 RUN DRIP LINE 6" FROM CENTER OF THE SHRUB ON BOTH SIDES
- 12 APPROVED TOP DRESSING. SEE PLANTING PLAN.
- 13 DRIP FLUSH VALVE AT END OF EACH SHRUB RUN, SEE FLUSH VALVE DETAIL



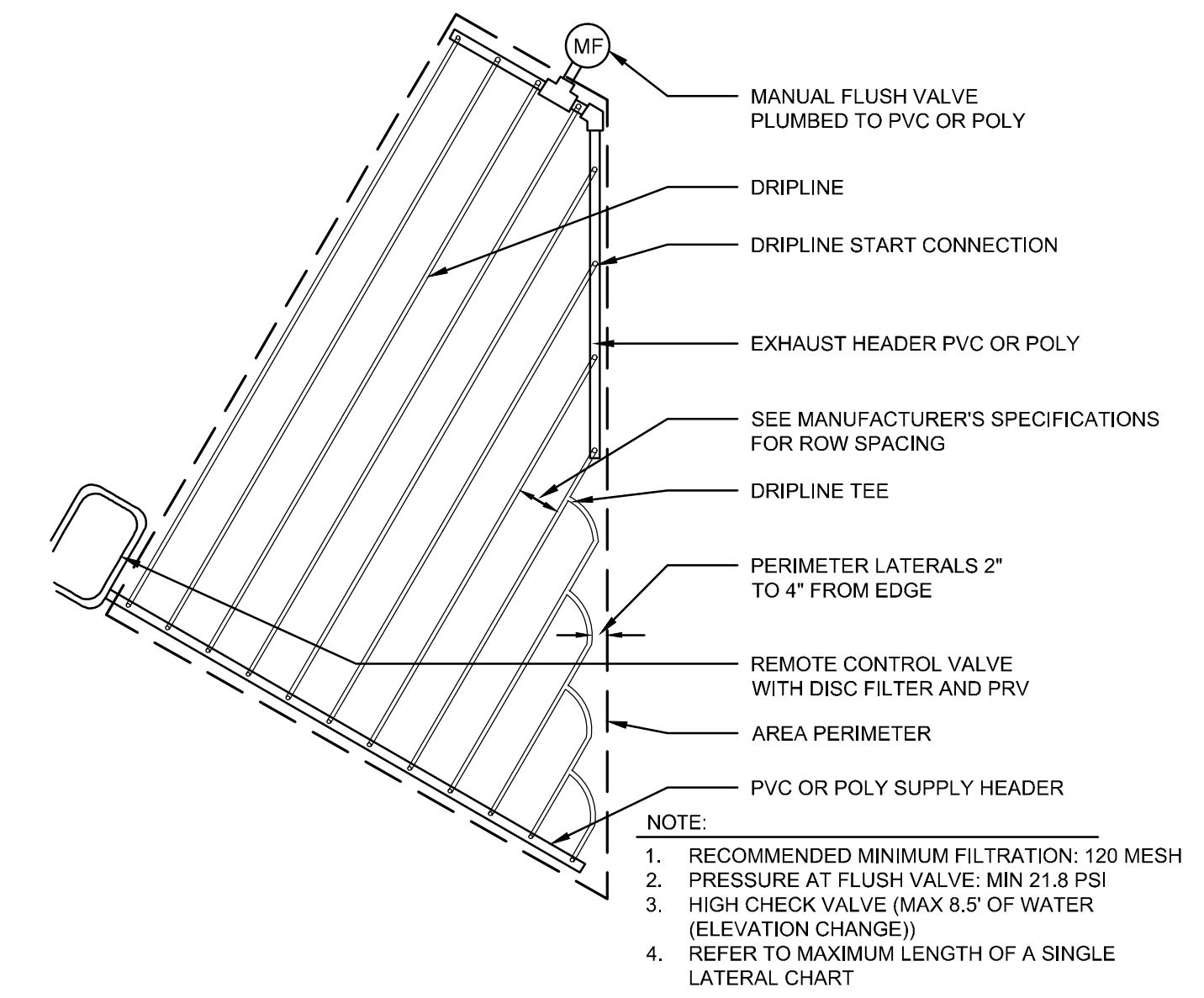
6 DRIP IRRIGATION (RUN DRIPLINE ON EACH SIDE OF SHRUB)

L4.2 SCALE: N.T.S.

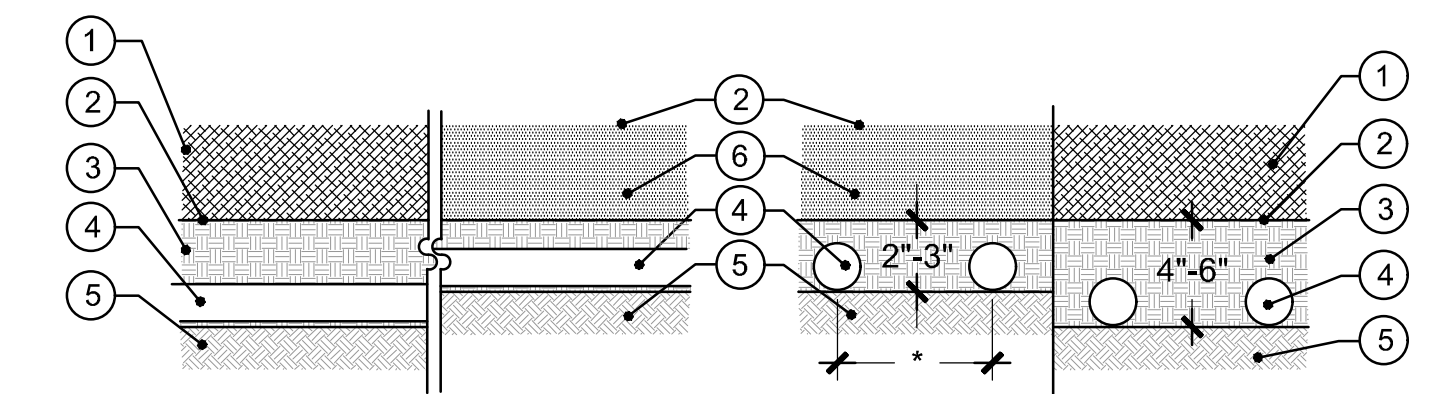


NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	--	--
6.	--	--
7.	--	--
8.	--	--

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
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5.	-	-
6.	-	-
7.	-	-
8.	-	-

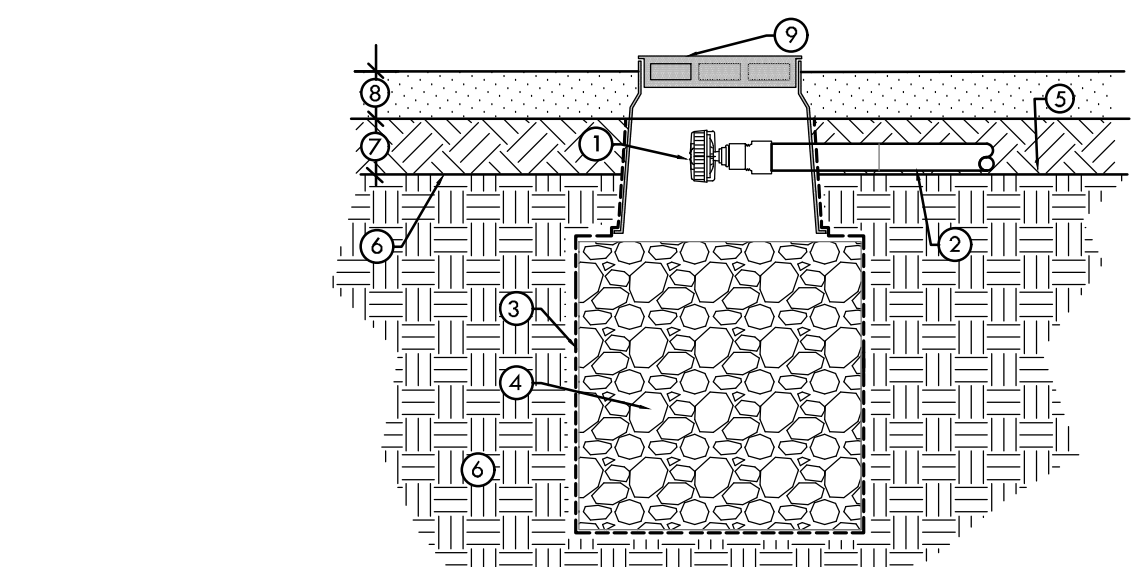


3 DRIP LINE IRREGULAR AREA LAYOUT END FEED
L4.3



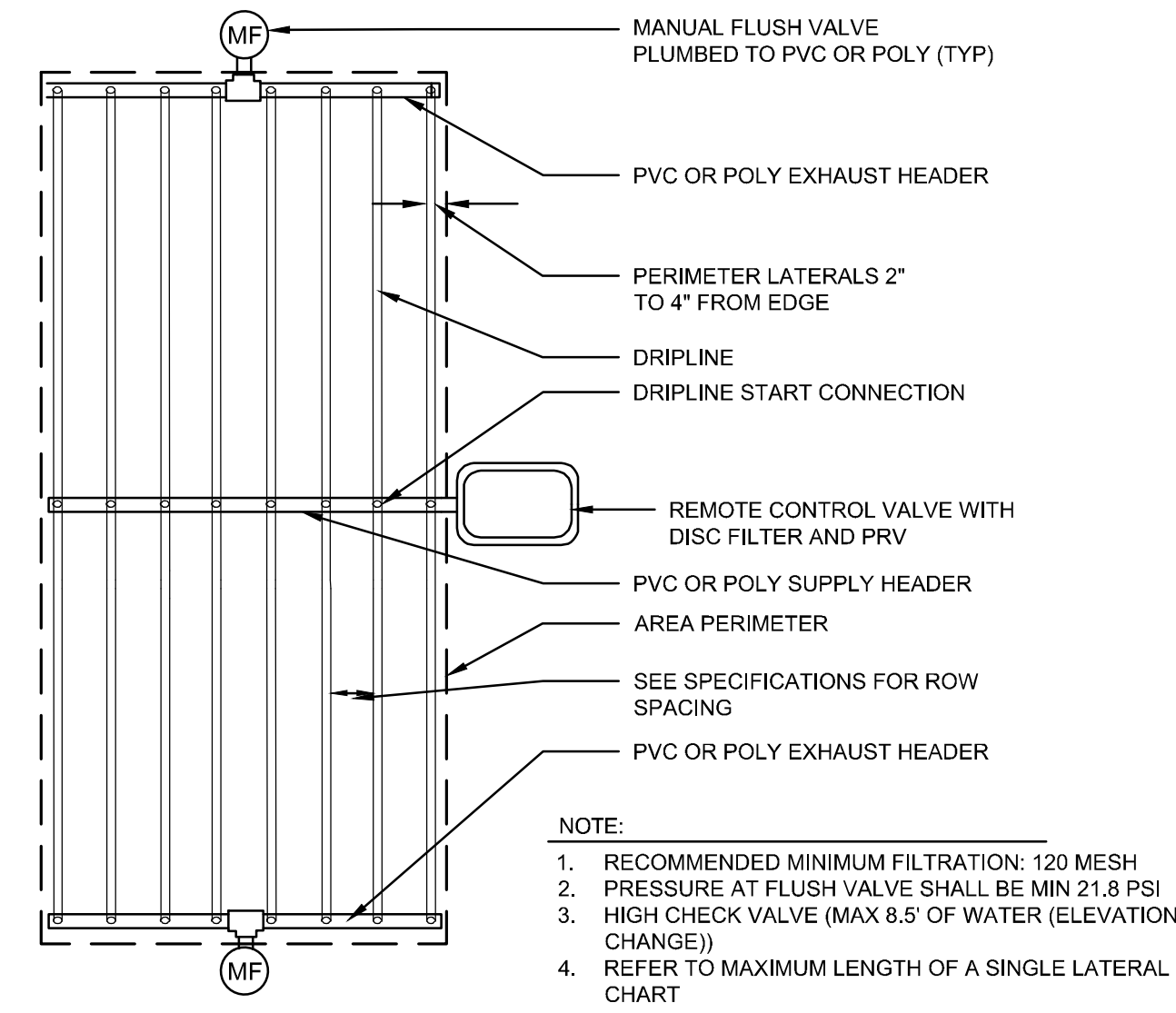
- LEGEND
- 2"-3" MULCH LAYER PER PLAN WHERE OCCURS
 - FINISHED GRADE.
 - AMENDED SOIL REMOVED, STOCKPILED & REPLACED POST TUBING INSTALL. 2"-3" FOR DG & 4"-6" FOR MULCH.
 - DRIPLINE
 - RIPPED/TILLED & AMENDED SUB-GRADE PER AGRONOMIC SOILS REPORT TO A DEPTH OF 10"-12"
 - 3"-4" DECOMPOSED GRANITE PER PLAN WHERE OCCURS
- NOTE:
- RECOMMENDED MINIMUM FILTRATION: 120 MESH
 - PRESSURE AT FLUSH VALVE SHALL BE MIN 21.8 PSI
 - HIGH CHECK VALVE (MAX 8.5' OF WATER (ELEVATION CHANGE))
 - REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

6 DRIP LINE SUBGRADE INSTALLATION
L4.3

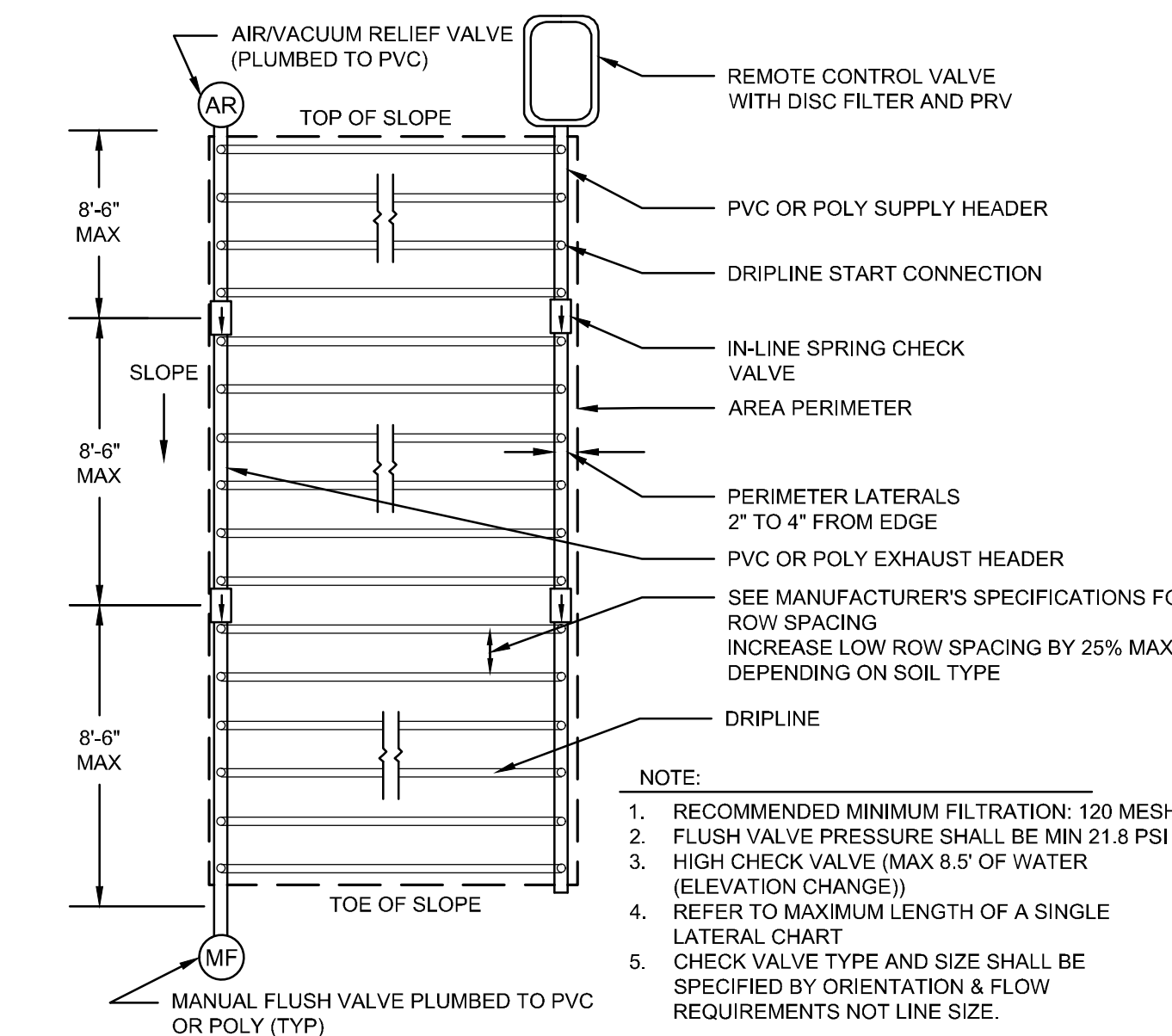


- AUTOMATIC FLUSH VALVE PER MANUFACTURER'S SPECIFICATION
- PVC EXHAUST HEADER OR DRIPPERLINE PER PLAN
- GEO-TEXTILE FILTER FABRIC, ENCASE DRAIN SUMP AND STAPLE TO EXTERIOR OF VALVE BOX.
- 3/4" CRUSHED ROCK DRAIN SUMP; 2' DIA. X 2' DEPTH.
- FINISH GRADE - SEE LANDSCAPE PLAN
- UNDISTURBED SUBGRADE
- 4" BACKFILL LAYER FOR TREE AND SHRUB RINGS; COMPACTED TO SAME DENSITY AS SUBGRADE
- MULCH; SEE PLANTING PLAN
- ROUND PLASTIC VALVE BOX CARSON MODEL 708 GREEN OR APPROVED EQUAL

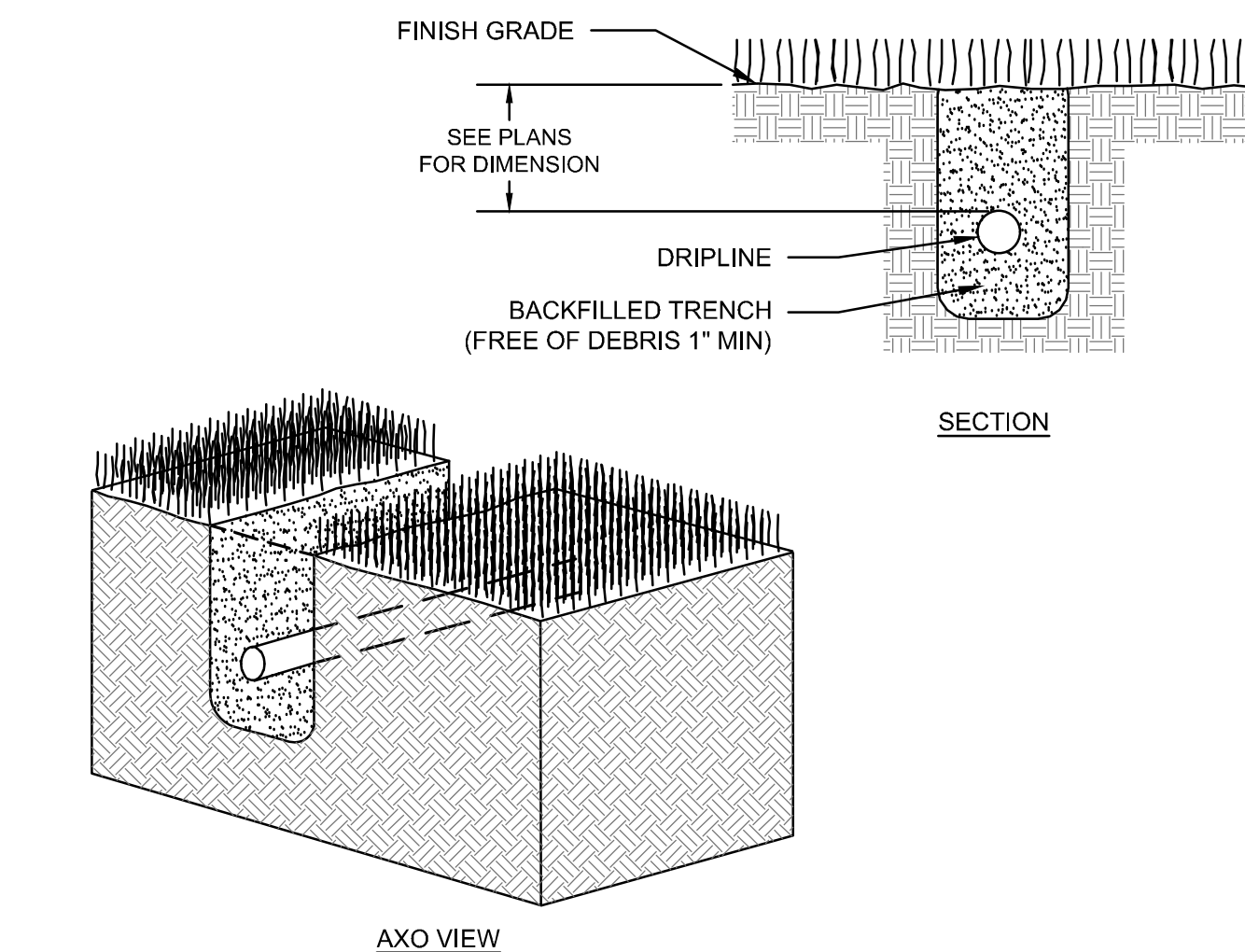
9 DRIP FLUSH VALVE
L4.3 NOT TO SCALE



2 DRIP LINE CENTER FEED LAYOUT
L4.3

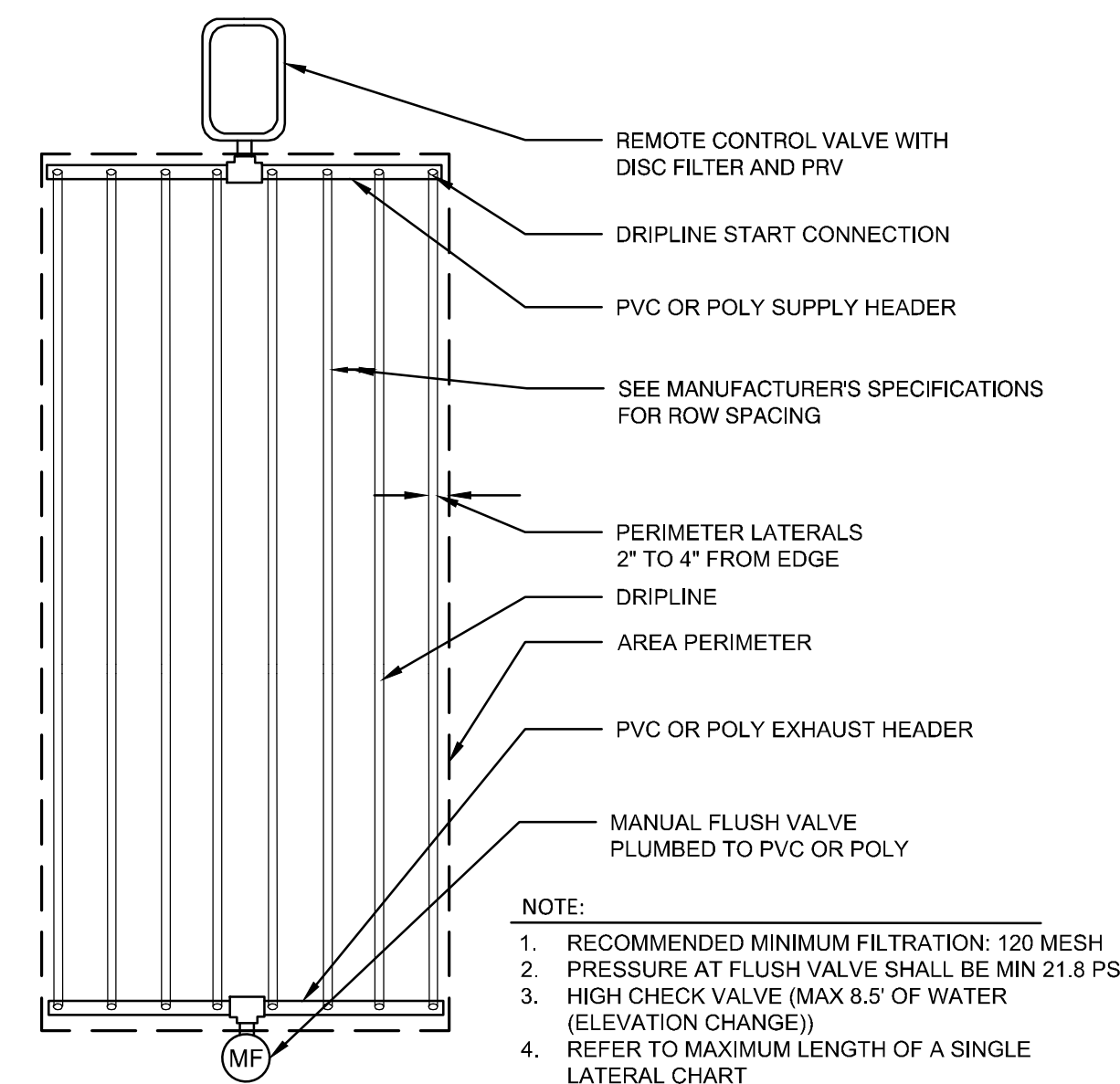


5 DRIP LINE LAYOUT TOP OF SLOPE ONE VALVE
L4.3

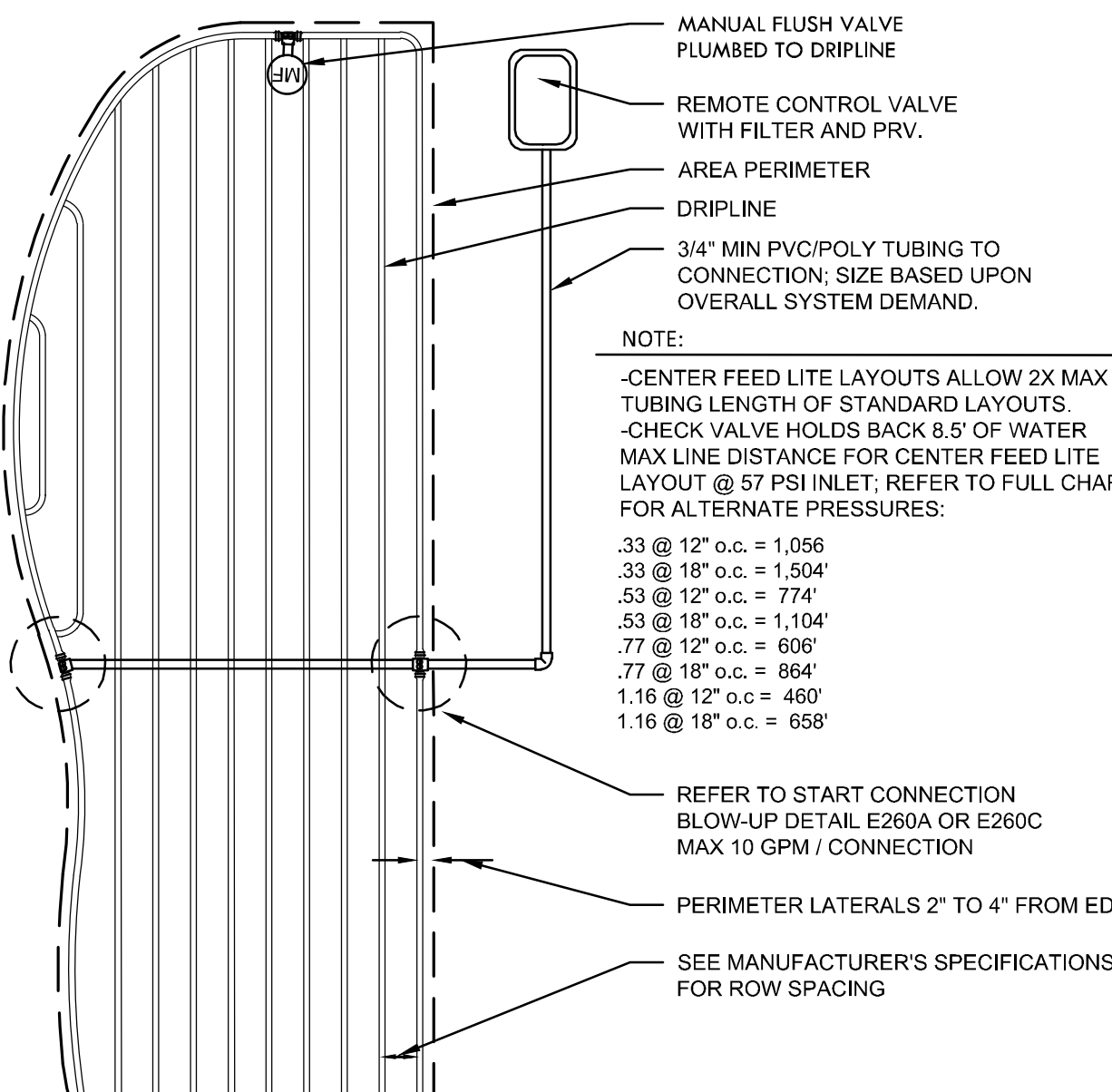


- NOTE:
- RECOMMENDED MINIMUM FILTRATION: 120 MESH
 - PRESSURE AT FLUSH VALVE SHALL BE MIN 21.8 PSI
 - HIGH CHECK VALVE (MAX 8.5' OF WATER (ELEVATION CHANGE))
 - REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

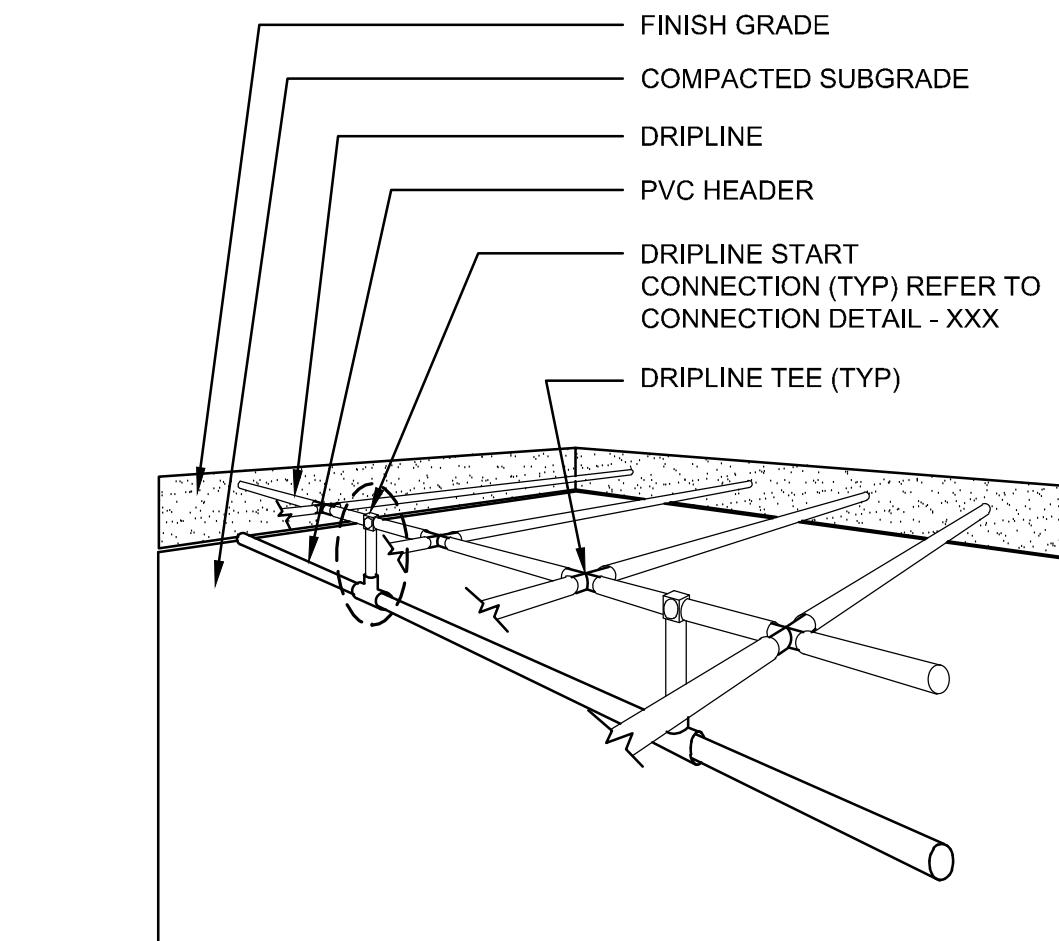
8 DRIP LINE SOD INSTALLATION
L4.3



1 DRIP LINE END FEED LAYOUT
L4.3



4 DRIP LINE IRREGULAR AREA LAYOUT CENTER FEED
L4.3



- NOTE:
- SEE PLANS AND LEGEND FOR ALL DIMENSIONS AND DRIPLINE SPACING.
 - RATIO OF DRIPLINES TO START CONNECTIONS IS SHOWN AT 2:1, BUT MAY VARY PER HYDRAULIC DEMAND ON START CONNECTIONS. SEE PLANS AND LEGEND.
- NOTE:
- RECOMMENDED MINIMUM FILTRATION: 120 MESH
 - PRESSURE AT FLUSH VALVE SHALL BE MIN 21.8 PSI
 - HIGH CHECK VALVE (MAX 8.5' OF WATER (ELEVATION CHANGE))
 - REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

7 DRIP LINE SUBHEADER INSTALLATION
L4.3

WATER BUDGET CALCULATIONS

MCKINLEYVILLE BMX TRACK AND PARK
McKinleyville, California

System Capacity
(Maximum daily water required to irrigate the landscape area in a 10 hour irrigation window)

Where:
 27,154 = Gallons per Acre-Inch
 HA = Irrigated Landscape Area (Acres)
 43,560 = Square Feet per Acre
 Eto = Reference Evapotranspiration (CIMIS Station 259 - Ferndale)
 0.21 = Historical Daily Peak ET_o (Worst Case - based on 2022 year)
 0.75 = Irrigation Efficiency (IE) - Rotors, Rotators, Spray
 0.81 = Irrigation Efficiency (IE) - Bubblers, Surface Drip
 0.81 = Irrigation Efficiency (IE) - Sub-surface Drip
 HR = Irrigation Window (Hours per Day)
 60 = Minutes per Hour

Design Capacity
 SC = (27,154) (HA) (Eto / IE) / (HR) (60)
SC = 3.53 GPM

Irrigation Window
 10 Hours per Day

Irrigated Landscape Area
 12,131 = Irrigated Landscape Area (Square Feet)
 0.28 = Irrigated Landscape Area (Acres)

MCKINLEYVILLE BMX TRACK AND PARK
McKinleyville, California

Water Budget Calculation

Maximum Applied Water Allowance (MAWA) - Calculation
 MAWA = (Eto) (0.62) [(0.45 x LA) + ((1.0 - 0.45) x SLA)]
MAWA = 117,444 Gallons per Year

Where:
 34.7 = ETo Reference Evapotranspiration (ETo) (Ref: CIMIS Station 259 - Ferndale)
 0.45 = ET Adjustment Factor (percent)
 0.55 = ET Adjustment Factor SLA (percent)
 12,131 = LA Landscape Area (S.F.)
 0 = SLA Special Landscape Area (S.F.)
 0.62 = Conversion factor (inches to gallons)

Estimated Total Water Use (ETWU)
 ETWU = (Eto) (PF) (HA) (0.62) / (IE)

Where:
 34.7 = ETo Reference Evapotranspiration (ETo) (Ref: CIMIS Station 259 - Ferndale)
 PF = Plant Factor per Hydrozone
 HA = Hydrozone Area (S.F.)
 0.62 = Conversion factor (inches to gallons)
 IE = Irrigation Efficiency per Sprinkler Type

Hydrozone 1; Low water use shrubs and ground cover; inline drip				PR= 0.68
PF =	0.2			
HA =	5,044 (square feet)	0.115794 acres		
IE =	0.81			
EWU =	26,794 (gallons per year)	0.082228 acre-feet/year	35.82116 ccf/year	

Hydrozone 2; Medium water use shrubs and ground cover; inline drip				PR= 0.68
PF =	0.4			
HA =	5,827 (square feet)	0.13377 Acres		
IE =	0.81			
EWU =	61,907 (gallons per year)	0.189986 acre-feet/year	82.76364 ccf/year	

Hydrozone 3; Medium water use trees; drip ring				PR= 0.68
PF =	0.4			
HA =	1,260 (square feet)	0.028926 Acres		
IE =	0.81			
EWU =	13,386 (gallons per year)	0.041082 acre-feet/year	17.89638 ccf/year	

Hydrozone 1-3 Total			
ETWU =	102,088 (gallons per year)	0.313296 Acre-Feet per Year	
	136 (100 cubic feet per year)	0.003133 Acres	

IRRIGATION SCHEDULE - ESTABLISHMENT

MCKINLEYVILLE BMX TRACK AND PARK
McKinleyville, California

MONTHLY IRRIGATION SCHEDULE
Irrigation Window = 10 Hours

Hydrozone 1; Low water use shrubs and ground cover; inline drip												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	7	10	15	19	22	25	23	22	18	12	9	8
DAYS / WEEK	2	2	3	3	4	4	5	5	4	3	2	2
MIN / WATER DAY	4	5	5	6	6	6	5	4	4	4	4	4
CYCLE / DAY	1	1	1	1	1	1	1	1	1	1	1	1
MIN / CYCLE	4	5	5	6	6	6	5	4	4	4	4	4
GAL / MONTH	997	1,422	2,086	2,686	3,121	3,616	3,260	3,060	2,511	1,715	1,252	1,089
C.F. / MONTH	133	190	279	356	417	483	436	409	336	229	167	146

Hydrozone 2; Medium water use shrubs and ground cover; inline drip												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	14	20	29	38	44	51	46	43	35	24	18	15
DAYS / WEEK	3	3	4	4	5	5	6	6	5	4	3	3
MIN / WATER DAY	5	7	7	9	9	10	8	7	7	6	6	5
CYCLE / DAY	1	1	1	1	2	2	2	1	1	1	1	1
MIN / CYCLE	5	7	7	9	4	5	4	7	7	6	6	5
GAL / MONTH	2,303	3,285	4,820	6,159	7,212	8,354	7,533	7,069	5,802	3,963	2,892	2,517
C.F. / MONTH	308	439	644	823	964	1,117	1,007	945	776	530	387	336

Hydrozone 3; Medium water use trees; drip ring												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	14	20	29	38	44	51	46	43	35	24	18	15
DAYS / WEEK	2	2	3	3	4	4	4	4	3	3	2	2
MIN / WATER DAY	7	10	10	13	11	13	11	11	12	8	9	8
CYCLE / DAY	1	1	1	1	1	2	2	2	1	1	1	1
MIN / CYCLE	7	10	10	13	11	6	6	5	12	8	9	8
GAL / MONTH	498	710	1,042	1,332	1,559	1,806	1,629	1,529	1,255	857	625	544
C.F. / MONTH	67	95	139	178	208	242	218	204	168	115	84	73

IRRIGATION SCHEDULE - MATURE

MONTHLY IRRIGATION SCHEDULE
Irrigation Window = 10 Hours

Hydrozone 1; Low water use shrubs and ground cover; inline drip												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	7	10	15	19	22	25	23	22	18	12	9	8
DAYS / WEEK	1	1	1	2	2	3	3	3	2	2	1	1
MIN / WATER DAY	7	10	15	9	11	8	8	7	9	6	9	8
CYCLE / DAY	1	1	1	1	1	1	1	1	1	1	1	1
MIN / CYCLE	7	10	15	9	11	8	8	7	9	6	9	8
GAL / MONTH	997	1,422	2,086	2,686	3,121	3,616	3,260	3,060	2,511	1,715	1,252	1,089
C.F. / MONTH	133	190	279	356	417	483	436	409	336	229	167	146

Hydrozone 2; Medium water use shrubs and ground cover; inline drip												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	14	20	29	38	44	51	46	43	35	24	18	15
DAYS / WEEK	1	1	2	2	2	3	3	3	2	2	1	1
MIN / WATER DAY	14	20	15	19	22	17	15	14	18	12	18	15
CYCLE / DAY	1	1	1	1	1	1	1	1	1	1	1	1
MIN / CYCLE	14	20	15	19	22	17	15	14	18	12	18	15
GAL / MONTH	2,303	3,285	4,820	6,159	7,212	8,354	7,533	7,069	5,802	3,963	2,892	2,517
C.F. / MONTH	308	439	644	823	964	1,117	1,007	945	776	530	387	336

Hydrozone 3; Medium water use trees; drip ring												
Precipitation Rate = 0.68 inches per hour												
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MIN / WEEK	14	20	29	38	44	51	46	43	35	24	18	15
DAYS / WEEK	1	1	2	2	2	3	3	3	2	1	1	1
MIN / WATER DAY	14	20	15	19	22	25	15	14	18	24	18	15
CYCLE / DAY	1	1	1	1	2	2	2	2	1	1	1	1
MIN / CYCLE	14	20	15	19	11	13	8	7	18	24	18	15
GAL / MONTH	498	710	1,042	1,332	1,559	1,806	1,629	1,529	1,255	857	625	544
C.F. / MONTH	67	95	139	178	208	242	218	204	168	115	84	73



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LICENSE



CONSULTANT

CLIENT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

IRRIGATION
CALCULATIONS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	--	--
6.	--	--
7.	--	--
8.	--	--

PLOT DATE: 12-28-2023

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #:

SHEET NUMBER

L4.4

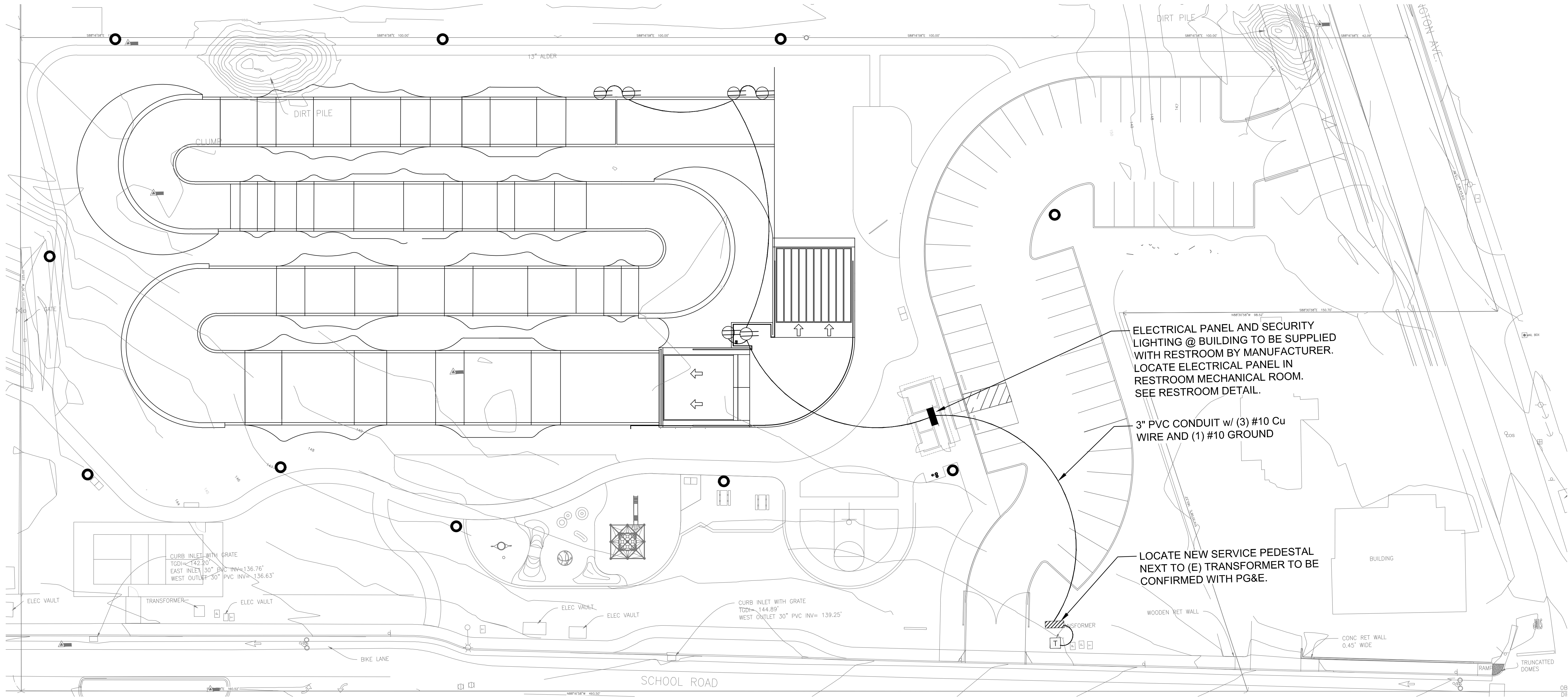
SHEET 45 OF 47

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FILE NAME: G:\MDCS\2500-2599\2537 McKinleyville BMX and Park\2537 CAD\CD\ SHEETS\2537-L4-IRRIG-CALCS.dwg
PLOT DATE: March 18, 2024 - 3:15 PM



NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-



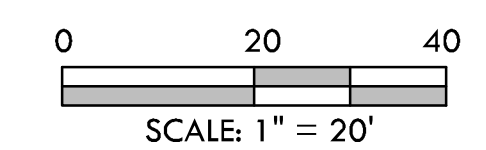
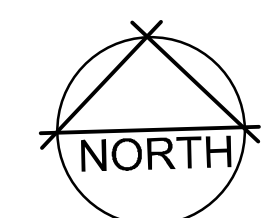
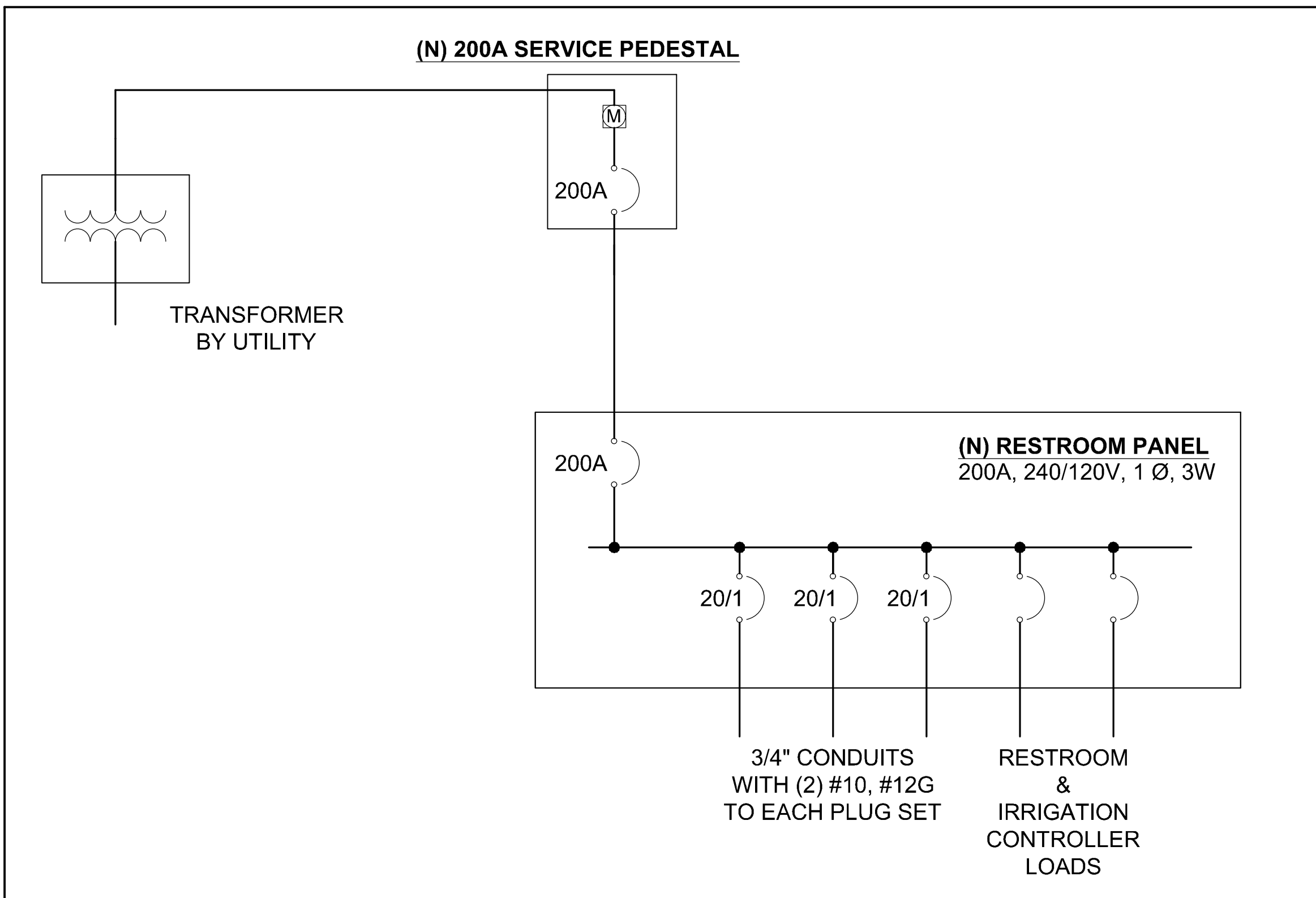
ELECTRICAL NOTES:

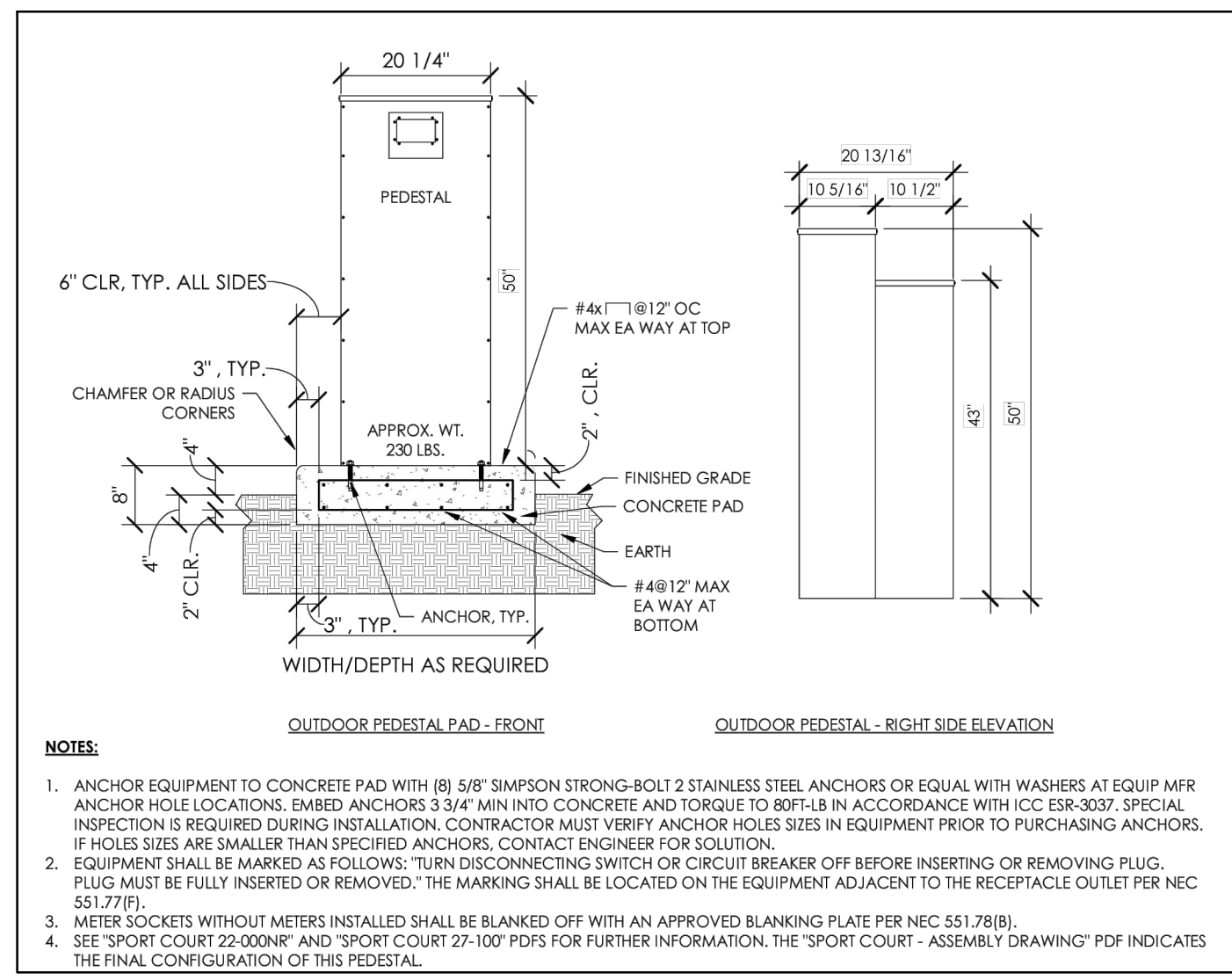
1. VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF WORK.
2. THIS DRAWING IS DIAGRAMMATIC. LIGHTING COMPONENTS SHOWN BENEATH PAVING OR PLANTINGS IS FOR GRAPHIC CLARITY ONLY. RUN ALL WIRING IN TRENCHES AND ALONG WALK WHERE POSSIBLE.
3. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE CONNECTION OF THE NEW PANEL TO EXISTING MAIN SWITCH BOARD. ALL ELECTRICAL WORK SHALL BE COMPLETED BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL COMPLY TO ALL APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND STATE AND LOCAL CODES AND REGULATIONS.
4. ALL ELECTRICAL WORK TO COMPLY WITH 2019 CALIFORNIA ELECTRICAL CODE PER CITY AND COUNTY STANDARDS.
5. PROVIDE AS-BUILTS FOR WIRING PATHS.
6. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH THE WORK OF OTHERS.
7. RUN ALL 120 V WIRE AS PER 2015 NEC AND ALL APPLICABLE LOCAL CODES.
8. RUN WIRE TO APPROPRIATE TAP ON TRANSFORMER ACCORDING TO LENGTH AND WATTAGE AS PER MANUFACTURER'S SPECIFICATIONS.
9. INSTALL LENS COLOR TO MATCH WALLS. COORDINATE WITH LANDSCAPE ARCHITECT.
10. VERIFY ALL LOCATIONS OF LIGHTS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
11. USE SPEARS DS-400 PRE-FILLED DRI-SPLICE CONNECTOR W/CRIMP SLEEVE FOR ALL WIRE SPLICES.

ELECTRICAL SCHEDULE:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	110V DUPLEX OUTLET IN WATER PROOF ENCLOSURE.	6	
	SOLAR SECURITY LIGHT APPROX. 70' O.C 14' POLE HEIGHT	10	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	SERVICE PEDESTAL 200A CONFIGURE PER ONE-LINE DIAGRAM.	1	
	TRANSFORMER BY UTILITY	1	
	RESTROOM PANEL 200A CONFIGURE PER ONE-LINE DIAGRAM.	1	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	#10 - COPPER AWG - SPT-3 10 GAUGE WIRES BURIED IN CONDUIT PER TRENCHING DETAIL. CONFORM TO ALL APPLICABLE STATE AND MUNICIPAL REQUIREMENTS.	1,529 LF	

ONE LINE DIAGRAM:





RACO TAYMAC BELL

METALLIC LOW PROFILE WU COVERS

Two Gang Metal Low Profile White-In-Use Covers - Extra Duty®
2 Gang Model #

Model # MX7280

APPLICATIONS:
Designed for use whenever weatherproof protection is required with an outlet in a wall.

PRODUCT FEATURES:
Weatherproof patented design extends from 2" to 3 1/2" for white-in-use mode.
Power Guard™ extra mounting system allows installation in under a minute.
Prevent contact with live parts providing additional safety for electricians.
Includes colored gasket and mounting hardware.
Lifetime Product Under Cover

UL LISTED: File E12332

MEQ: 2514 Compliant (Article 408.5A & B) Extra Duty Rated

US PATENTS: 6,574,334; 6,299,203; 6,400,004; 6,106,299; 6,106,299

GENERAL PRODUCT INFORMATION:

COMPOSITION: 2

PRODUCTION MEASUREMENTS: 2 1/2" x 10 1/2" x 10 1/2"

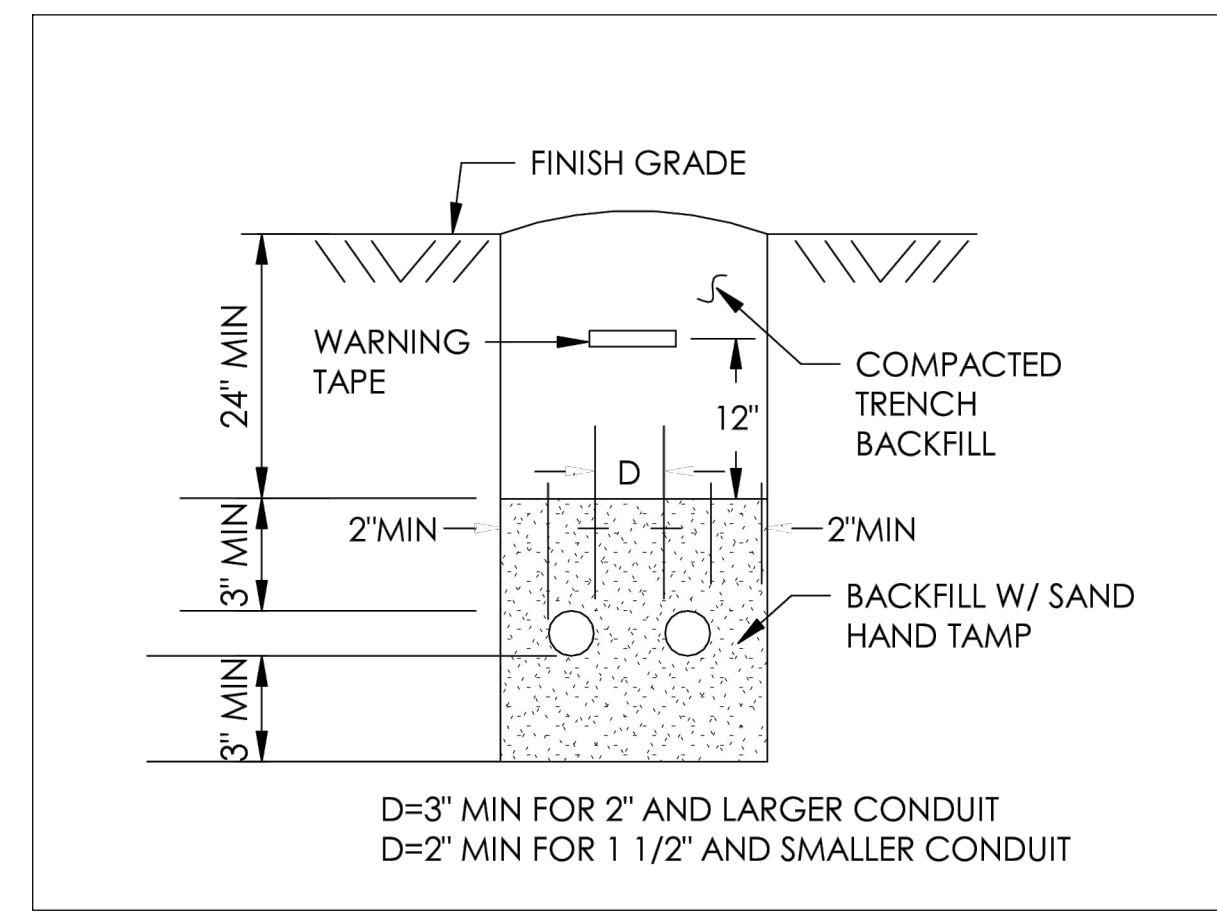
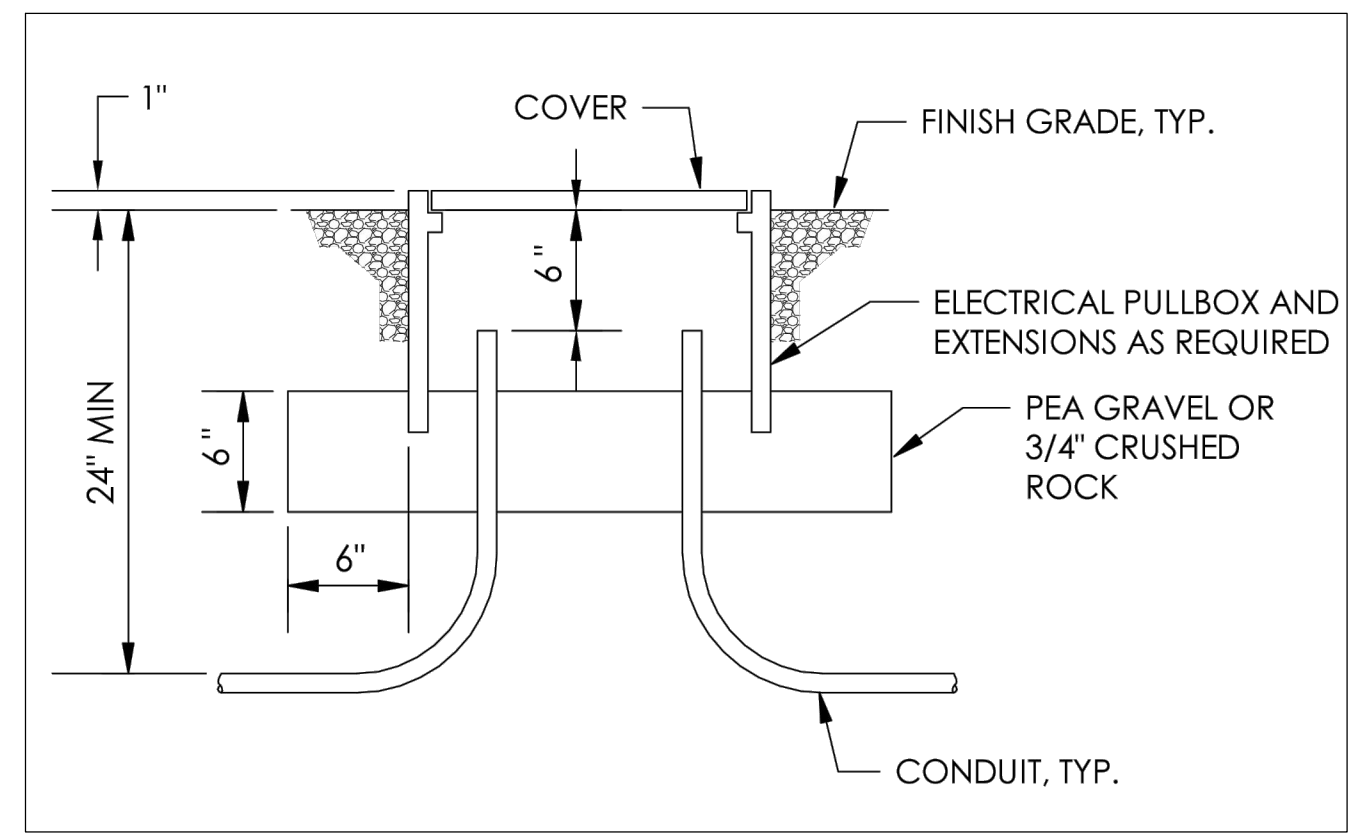
WEIGHT: 1.5 lbs (0.68 kg)

FINISH: White

INSTALLATION: See Installation Manual

WARRANTY: 5 Year

CONTACT: Raco Taymac Bell, 10000 S. 10th St., Suite 100, Phoenix, AZ 85042, USA

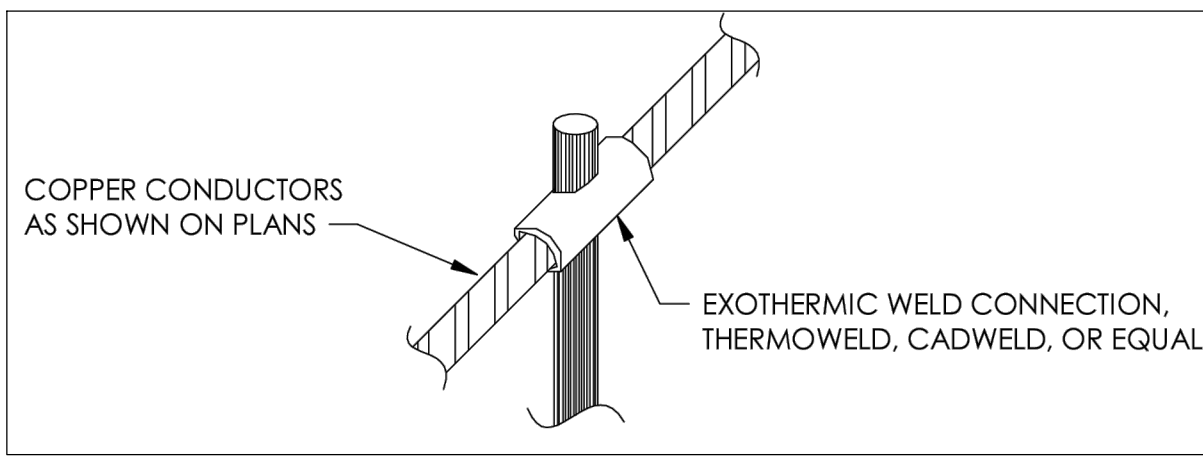
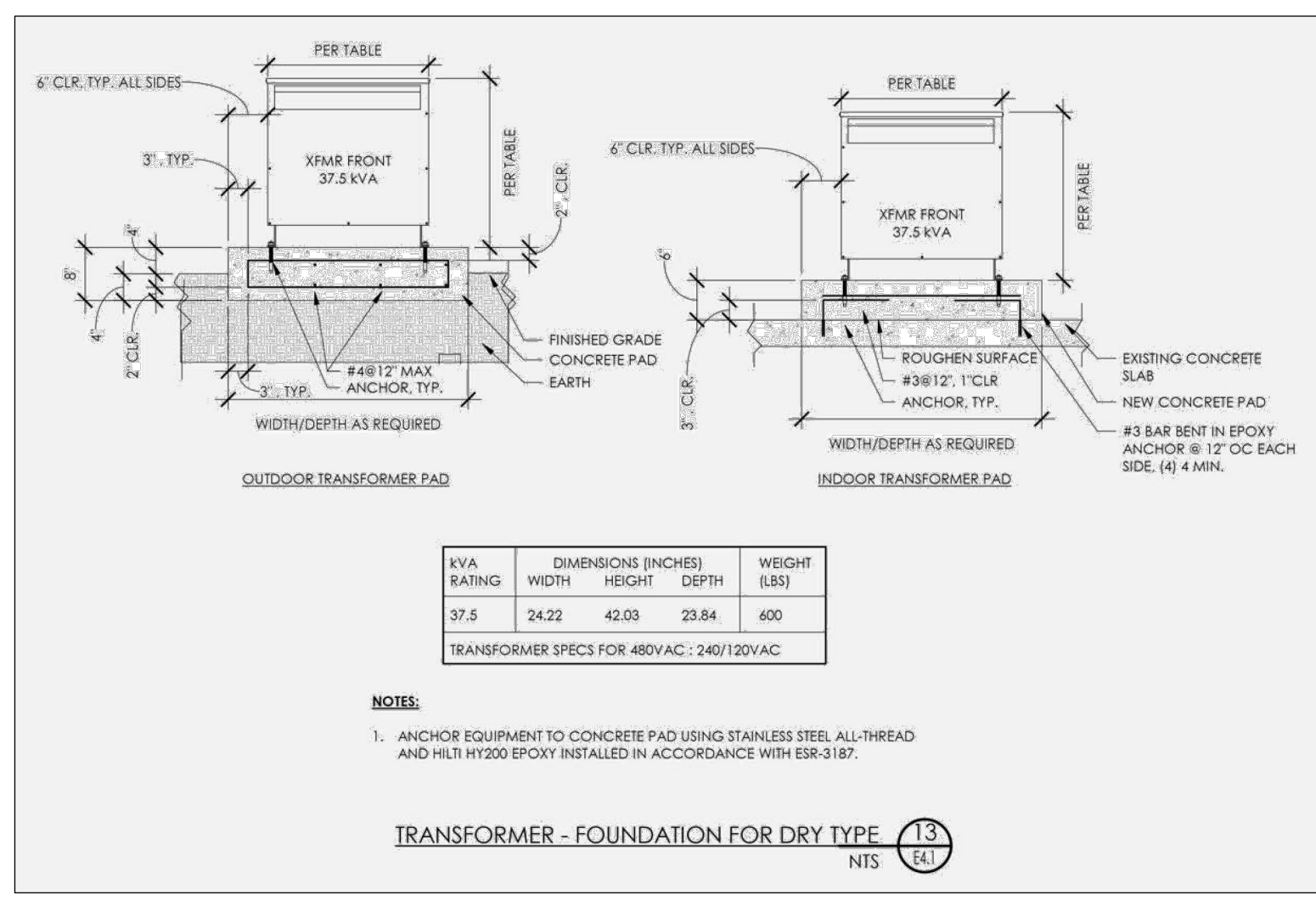


1 PEDESTAL
E5.1

2 TAYMAC - 2GANG METAL COVER MODEL# MX7280S
E5.1

3 PULLBOX - SWEEP UP
E5.1

4 UNDERGROUND CONDUIT
E5.1



5 PEDESTAL - BMX TRACK
E5.1

6 CABLE TO GROUND ROD
E5.1



820 BROADWAY ST.
CHICO, CA 95928
(530) 899-1616
meltongd.com

LICENSE



CONSULTANT

CLIENT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT

BMX TRACK AND
PARK PROJECT

SHEET TITLE

ELECTRICAL
DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	30% CD's	07-14-2023
2.	75% CD's	09-15-2023
3.	100%-DRAFT BID	12-22-2023
4.	100%-BID	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PLOT DATE: 12-28-2023

PROJECT NUMBERS

MELTON DESIGN GROUP: 2537
CONSULTANT PROJECT #...

SHEET NUMBER

E5.1

SHEET 47 OF 47

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FILE NAME: G:\MDC\2500-2599\2537 McKinleyville BMX and Park\2537 CAD\CD\ SHEETS\2537-E5.0-ELEC.dwg

PLOT DATE: March 16, 2024 - 3:15 PM