

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

SCHOOL ROAD
MCKINLEYVILLE, CA 95519

PREPARED FOR:

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

1658 SLITTER ROAD
MCKINLEYVILLE, CA 95519
(707) 839-3251

PREPARED BY:



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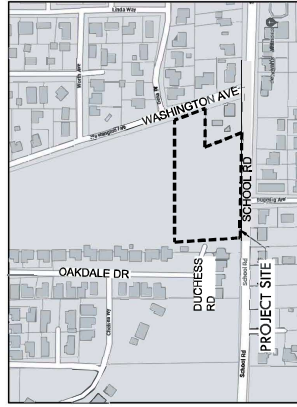
GENERAL CONSTRUCTION NOTE:

CONSTRUCTION UNDER THIS CONTRACT SHALL COMPLY WITH THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY OF MCKINLEYVILLE, CALIFORNIA PUBLIC CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), AND THE 2018 CALIFORNIA ENERGY STANDARDS AS AMENDED BY THE STATE OF CALIFORNIA AND THE LOCAL JURISDICTION.

KEY MAP OF HUMBOLDT COUNTY



KEY MAP OF PROJECT SITE



INDEX OF SHEETS

SHEET	TITLE
T1	TITLE SHEET
U3.1	CHECKLIST AND NOTES
00.10	LEGEND & ABBREVIATIONS
00.20	GENERAL CONSTRUCTION NOTES
C1.00	SITE PLAN
C2.10	WASHINGTON ACCESS GRADING DETAIL
C2.20	PARKING LOT SECTIONS
C3.00	UTILITY PLAN
C4.00	CIVIL DETAILS
C4.10	CIVIL DETAILS
C4.20	CIVIL DETAILS
C4.30	CIVIL DETAILS
C4.40	CIVIL DETAILS
C4.50	EROSION & SEDIMENT CONTROL PLAN
C5.00	EROSION & SEDIMENT CONTROL DETAILS
BT0.01	TRACK - GENERAL NOTES
BT1.01	TRACK-MATERIAL REFERENCE PLAN
BZ1.01	TRACK-SURFACE CHANGE DRAINAGE
BZ2.01	TRACK-SURFACE CHANGE DRAINAGE
BZ3.02	TRACK-LAYOUT PLAN TABLES
BT5.01	TRACK SECTIONS - PROFILES
BT5.02	TRACK SECTIONS - PROFILES
BZ7.01	TRACK-DETAILS
BZ7.02	TRACK-DETAILS
BZ7.03	TRACK-DETAILS
BZ7.04	TRACK-DETAILS
BZ7.05	TRACK-DETAILS
BZ7.06	TRACK-DETAILS
BZ7.07	TRACK-DETAILS
L2.0	CONSTRUCTION PLAN
L2.1	CONSTRUCTION SCHEDULE - DETAILS
L2.2	CONSTRUCTION DETAILS
L2.3	CONSTRUCTION DETAILS
L2.4	CONSTRUCTION DETAILS
L2.5	CONSTRUCTION DETAILS
L2.6	CONSTRUCTION DETAILS
L3.0	PLANTING PLAN, SCHEDULE
L3.1	PLANTING DETAILS
L4.0	IRRIGATION PLAN
L4.1	IRRIGATION DETAILS
L4.2	IRRIGATION DETAILS
L4.3	IRRIGATION CALCULATIONS
L4.4	IRRIGATION CALCULATIONS
E5.0	ELECTRICAL PLAN
E5.1	ELECTRICAL DETAILS

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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% CDR	07-14-2025
2.	100% CDR	08-06-2024
3.	100% PERMIT SET	12-22-2024
4.	100% PERMIT SET	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PRINT DATE: 12-26-2023

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

T1
SHEET 1 OF 42
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CONTRACT 2023



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LICENSE



CONSULTANT

MCKINLEYVILLE
COMMUNITY
SERVICES
DISTRICT

PROJECT
BANK TRACK AND
PARK PROJECT

SHEET TITLE
PROJECT AND
CHECKLIST AND
NOTES

NO.	DESCRIPTION	DATE
1.	30% CDPS	07-14-2025
2.	100% CDPS	12-22-2024
3.	100% SCAFF 889	12-22-2024
4.	100% SBD	05-06-2024
5.	-	-
6.	-	-
7.	-	-
8.	-	-

PRINT DATE: 12-16-2023

PROJECT NUMBERS
MELTON DESIGN GROUP - 3537
CONSULTANT PROJECT #:

SHEET NUMBER

L0.1
SHEET 2 OF 21

MELTON DESIGN GROUP, INC.
CONSULTANT

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: 509-245-043
<input type="checkbox"/>	TOTAL LANDSCAPE AREA (IN SQUARE FEET): 123,746
<input type="checkbox"/>	PROJECT TYPE: PARK
<input type="checkbox"/>	WATER SUPPLY TYPE AND NAME OF LOCAL WATER PURVEYOR: MCKINLEYVILLE COMMUNITY SERVICES DISTRICT - 707-839-3251
<input type="checkbox"/>	CHECKLIST OF ALL DOCUMENTS IN THE LDP
<input type="checkbox"/>	CONTACT INFORMATION FOR THE APPLICANT AND PROPERTY OWNER: APPLICANT (CONTRACTOR): PROPERTY OWNER: 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 (MMAWA) INCLUDING WATER FEATURES b. ESTIMATED TOTAL WATER USE (ETWU) SOILS MANAGEMENT REPORT; TO BE PROVIDED BY CONTRACTOR
<input type="checkbox"/>	CONSTRUCTION DESIGN PLAN: SHEET L-2.0 - L-2.5
<input type="checkbox"/>	LANDSCAPE DESIGN PLAN: SHEET L-3.0 - L-3.1
<input type="checkbox"/>	IRRIGATION DESIGN PLAN: SHEET L-4.0 - L-4.4
<input type="checkbox"/>	GRADING DESIGN PLAN: C2.0 - C2.01
<input type="checkbox"/>	ELECTRICAL PLAN: E5.0

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.

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" FINE GRADING INSPECTION AND 12" RIPPING			
<input type="checkbox"/>	SOIL AMENDMENTS AND TEST TYPE. VERIFY AMENDMENT QUANTITIES AND SOIL AMENDMENTS WORKSHEET TO BE PROVIDED TO CLIENT FOR REVIEW AND APPROVAL.			
<input type="checkbox"/>	FERTILIZER AMENDMENT TAGS. CONTRACTOR IS TO SUBMIT TAGS OF FERTILIZING 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 CONSTRUCTION.			
<input type="checkbox"/>	INSPECTION OF PRE-CAST CONCRETE SLABS. CONTRACTOR TO COMPLETE BIODIVERSITY FACILITY CONSTRUCTION CHECKLIST PRIOR TO CONSTRUCTION (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"/>	FINAL POINT OF CONNECTION. CONTRACTOR TO COORDINATE WITH PROJECT OWNER. UTILITY COORDINATE WITH PROJECT OWNER. UTILITY LASON, 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 LASON, 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 REPRESENTATIVE FOR OBSERVATION.			
<input type="checkbox"/>	PORTABLE WATER SERVICE METER AND POINT OF CONNECTION TO CITY MAINLINE. CONTRACTOR TO COORDINATE WITH PROJECT 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'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, SYSTEMS FOR SPRAY SYSTEMS ADJUST TO OCCUR PRIOR TO PLANTING. FINAL APPROVAL OF IRRIGATION USAGE MANUAL.			
<input type="checkbox"/>	CERTIFICATION OF IRRIGATION CONTROLLER, GROUNDING TEST, CONTROLLER OPERATION AND LAMINATED CONNECTION OF THE CONTROLLER TO THE INTERNET. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE FOR OBSERVATION.			
<input type="checkbox"/>	IRrigation controller communication point of connection. CONTRACTOR RESPONSIBLE TO REPRESENTATIVE FOR OBSERVATION. [] WIRELESS [] WIRELINE [] OTHER (SPECIFY): [] NONE			
<input type="checkbox"/>	IRrigation controller for digital control system. CONTRACTOR TO SUBMIT TO CITY COMPUTER 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 OBSERVATION TO VERIFY BATTERY OF SPOKES, TIEBARS			
<input type="checkbox"/>	START DATE: _____ PROJECTED FINISH DATE: _____			
<input type="checkbox"/>	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"/>	CERTIFICATION 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.

- 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.

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 SAMPLING TO A LABORATORY FOR ANALYSIS AND RECOMMENDATIONS (SUNLAND ANALYTICS TESTING PACKAGE #1174 OR EQUAL - PHONE 9164824857). THE LABORATORY PROTOCOL, INCLUDING PROTOCOLS REGARDING ADEQUATE SAMPLING DEPTH FOR THE INTENDED PLANTS.

THE SOIL ANALYSIS SHALL INCLUDE: SOIL TEXTURE; INFILTRATION RATE DETERMINED BY INFILTRATION TEST; AVAILABLE NUTRIENT LEVELS; AVAILABLE PHOSPHORUS; AVAILABLE POTASSIUM; 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 SOIL ANALYSIS REPORT AVAILABLE, IN A PRINTED AND DIGITAL FORMAT, TO THE CLIENT AND LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT 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 MEETING WITH THE SUPERVISING CONTRACTOR, THE ARCHITECT, MCKINLEYVILLE COMMUNITY SERVICES DEPARTMENT, AND THE SUPERVISING ARCHITECT TO REVIEW AND APPROVE TREE PROTECTION MEASURES. 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 MAKING THE ARRANGEMENTS FOR THE PRE-CONSTRUCTION SITE MEETING, A MEETING SHALL BE HELD WITH THE SUPERVISING CONTRACTOR, THE ARCHITECT, MCKINLEYVILLE COMMUNITY SERVICES DEPARTMENT, AND THE SUPERVISING ARCHITECT TO REVIEW AND APPROVE TREE PROTECTION MEASURES. 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.
- 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 CIRCLED 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 ZONE OF ALL TREES TO REMAIN.
- WHEN EXISTING TREE ROOTS ARE ENCOUNTERED DURING THE COURSE OF TRENCHING, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT TREE ROOTS BY APPLYING 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 BE PROTECTED BY APPLYING A SEALING AGENT TO THE EXPOSED SURFACE. TREE ROOTS SHALL NOT BE EXPOSED FOR MORE THAN 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 SHALL BE COMPLETED PRIOR TO THE DRILLING OF THE TREE ROOT ZONE. ANY TRENCHING OR UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO THE DRILLING OF THE TREE ROOT ZONE. ANY TRENCHING OR UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO THE DRILLING OF THE TREE ROOT ZONE. ANY TRENCHING OR UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO THE DRILLING OF THE TREE ROOT ZONE. ANY TRENCHING OR UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO THE DRILLING OF THE TREE ROOT ZONE.
- 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. 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 TREE ROOT ZONE OF ANY TREE TO BE PROTECTED. MATERIALS 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 MATERIALS, DEBRIS, ROOFING MATERIALS, CLEANING OF CRIBS, TRUCKS, CHEMICALS, SOLVENTS, OILS, 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.

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 DRAWINGS AND REFERENCED BY DRAWING PLAN NUMBER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AGENCIES AND AGENCIES 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 SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY UPON DISCOVERY. SMO NOTIFICATION SHALL BE IN WRITING.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AGENCIES AND AGENCIES REPRESENTATIVE. MAKE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- 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 CONSTRUCTION OF THE PROJECT INCLUDING ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE LAYING OUT THE WORK AND ANY ERRORS RESULTING FROM CONTRACTOR'S FAILURE TO DO SO. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM CONTRACTOR'S FAILURE TO DO SO.
- ALL EXISTING UTILITIES SHALL BE MAINTAINED IN OPERATION AT ALL TIMES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING 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 OWNER'S REPRESENTATIVE AND OBTAIN A CORRECTED DIMENSION OR SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.

GENERAL PAVING NOTES

- ALL ASPHALT CONCRETE SURFACES SHALL BE SAW CUT TO A 1/4" SLAB, STRENGTH LINE AND JOINTS. 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, UNSATURABLE 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 98% AND 95%, RESPECTIVELY.
- CONCRETE FOR SIDEWALKS SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS AND SHALL CONTAIN A MINIMUM OF 4% AIR ENTRAINMENT. 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 NOTIFY THE PROJECT ENGINEER OF UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION.
- THE CONTRACTOR IS HEREBY NOTICED 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 BE ENCOUNTERED. THE LOCATIONS OF ALL UNDERGROUND FACILITIES SHOWN ON THESE PLANS, EXCEPT FOR UTILITIES SHOWN AS BEING UNDER 20" DIA. SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY EXCAVATION BEING STARTED. A PERMIT AT 800-277-2883 (M) (T) DIA. MINIMUM TO FOURTEEN (14) DIA. 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 GRADIES OF UTILITY LINES SHOWN ARE TO THE CENTER LINE OF INLETS, CATCH BASINS, AND MANHOLES. DISTANCES ARE HORIZONTAL.
- ALL UNDERGROUND UTILITY LINES SHALL BE INSTALLED WITH POLYETHYLENE GLASS REINFORCED STEEL OR IRON SHALL BE PROTECTED AGAINST CORROSION WITH A POLYETHYLENE ENCASEMENT PER A513.1.

UTILITY NOTES

- STORM DRAIN
- PIPE BACKFILL MATERIAL SHALL BE 3/4" SAND OR APPROXIMATELY EQUAL.
 - PIPE BACKFILL MATERIAL SHALL BE FILL COMPACTED TO ONE FOOT OVER THE TOP OF PIPE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
- | | |
|-------------------------------|----------|
| PERCENT PASSING 1/2" SIEVE | 100 |
| PERCENT PASSING 3/8" SIEVE | 80 - 100 |
| PERCENT PASSING NO. 20 SIEVE | 5 - 40 |
| PERCENT PASSING NO. 10 SIEVE | 5 - 40 |
| PERCENT PASSING NO. 40 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 COMPACTED TO THE SAME DENSITY AS THE UNDERGROUND PIPE.
 - STORM DRAIN INLETS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
 - STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DEBRIS AND OTHER OBSTRUCTIONS DURING ALL PHASES OF CONSTRUCTION.
 - STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DEBRIS AND OTHER OBSTRUCTIONS DURING ALL PHASES OF CONSTRUCTION.
 - DRAINAGE STRUCTURES SHALL BE CENTRAL PRECAST CONCRETE INC. OR APPROVED EQUAL. ALL DRAINAGE STRUCTURE SHALL BE CONSTRUCTED WITH A MINIMUM 1/2" DRAINING AND BE TRAFFIC RATED.
 - COVERS SHALL BE BOLT DOWN TYPE, WITH A MAXIMUM 1/2" OPENING AND BE TRAFFIC RATED.

EROSION & SEDIMENT CONTROL NOTES

- PERFORM EROSION PREVENTION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION 331-114 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 BEST PRACTICES SHALL APPLY.
- 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 CONSTRUCTION OF THE PROJECT INCLUDING ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- 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 CONSTRUCTION OF THE PROJECT INCLUDING ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE LAYING OUT THE WORK AND ANY ERRORS RESULTING FROM CONTRACTOR'S FAILURE TO DO SO. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM CONTRACTOR'S FAILURE TO DO SO.
- ALL EXISTING UTILITIES SHALL BE MAINTAINED IN OPERATION AT ALL TIMES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING 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 OWNER'S REPRESENTATIVE AND OBTAIN A CORRECTED DIMENSION OR SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.

EROSION & SEDIMENT CONTROL NOTES CONT.

- STORM DRAIN INLETS SHALL BE PROTECTED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
- FUNCTIONAL AND CONSTRUCTION SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY EROSION CONVEYANCE SYSTEMS ARE ENERGY DISSIPATORS SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
- 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 KEPT FREE OF SOLID WASTE ONLY OR AS NECESSARY, "REGULAR" REMOVAL AND PROPER DISPOSAL SHALL BE COMPLETED BY THE CONTRACTOR.
- A CONCRETE WASHOUT AREA SHALL BE PROVIDED AS A TEMPORARY PIT, SHALL BE DESIGNED TO CLEAN CONCRETE TRUCKS AND TOOLS. AT THE END OF EACH WORKING DAY, THE WASHOUT AREA SHALL BE CLEANED AND FILL SHALL BE ALLOWED TO SETTLE ON STORM DRAIN. 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 331-114, APPLICABLE HUMBOLDT COUNTY REGULATIONS AND TO THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT, PREPARED BY LACO & ASSOCIATES, INC., 1000 S. G ST., SUITE 100, HUMBOLDT, CA 99901. ROAD MOKNEYVILLE, CA ASSessor'S PARCEL NUMBER 508-247-041, DATED JUNE 29, 2023 JOB NO. 988800.
- 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 FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF RECORD, IF APPLICABLE, UPON DISCOVERING DISCREPANCIES, OMISSIONS, OR OBTAINING UNRESOLVED DISCREPANCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AGENCIES AND AGENCIES REPRESENTATIVE. MAKE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- IF THERE IS A CONFLICT BETWEEN WRITTEN AND SCALED DIMENSIONS, NOTIFY THE OWNER'S REPRESENTATIVE AND OBTAIN A CORRECTED DIMENSION OR SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.
- 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.
- EXISTING GRAVITY DRAINAGE TO WATERSHEDS FROM THE PROJECT SITE AND LOCATED THROUGHOUT THE PROJECT SITE SHALL BE MAINTAINED AND NOT OBTAINED. ANY CHANGES TO EXISTING GRAVITY DRAINAGE SHALL BE APPROVED BY THE COUNTY PUBLIC WORKS DEPARTMENT. ANY CHANGES TO EXISTING GRAVITY DRAINAGE SHALL BE APPROVED BY THE COUNTY PUBLIC WORKS DEPARTMENT. ANY CHANGES TO EXISTING GRAVITY DRAINAGE SHALL BE APPROVED BY THE COUNTY PUBLIC WORKS DEPARTMENT. ANY CHANGES TO EXISTING GRAVITY DRAINAGE SHALL BE APPROVED BY THE COUNTY PUBLIC WORKS DEPARTMENT.
- 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 DEPTH. UNEXPECTED OR UNIDENTIFIED UTILITIES ARE ENCOUNTERED DURING EXCAVATION, NOTIFY THE LOCAL UTILITY PROVIDER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AGENCIES AND AGENCIES REPRESENTATIVE. MAKE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- IN THE EVENT CULTURAL RESOURCES (SUCH AS HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND OTHER CULTURAL RESOURCES) ARE DISCOVERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL IMMEDIATELY BE HALTED UNTIL CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE OWNER PER THE ARCH-EGROLOGISTS' COUNTY ORDINANCES. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER.
- SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WASTE 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 DEFECTED TO REMAIN ON SITE PER THE APPROVED PLAN. THE SITE RECEIVING SOIL MAY REQUIRE A GRADING PERMIT UNLESS EXEMPTED BY HCC.
- CONTOURS, ELEVATIONS, AND SHARES OF FINISHED SURFACES SHALL BE BLENDED WITH ADJACENT NATURAL TERRAIN TO A MINIMUM RADIUS OF THE FEET TO BLEND WITH THE NATURAL TERRAIN.
- FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DESTRUCTIVE MATERIALS. NO ROCK OR SIMILAR BULKABLE MATERIAL GREATER THAN SIX INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS EXCEPT WHERE APPROVED BY THE ENGINEER. ALL MATERIALS SHALL BE PROPERLY PLACED AND COMPACTED TO THE DENSITY SPECIFIED BY THE ENGINEER. ALL MATERIALS SHALL BE COMPACTED 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 SHOWN ARE PREPARED TO RECEIVE FILL REMOVING VEGETATION, TOPSOIL, AND OTHER UNSUITABLE MATERIALS, AND SOAKING IN 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 THE DENSITY SPECIFIED BY THE ENGINEER. A MINIMUM OF 150% MOISTURE 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

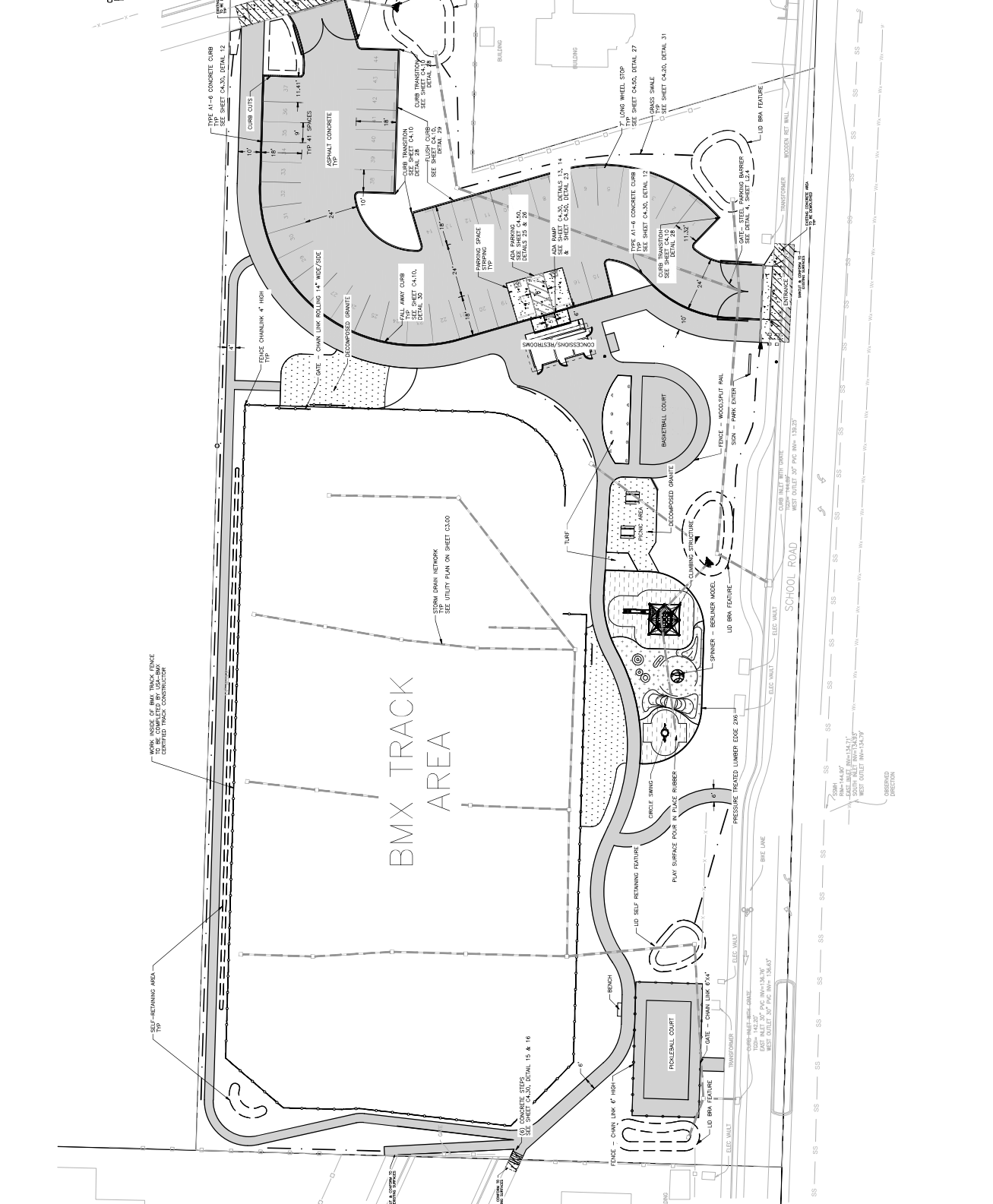
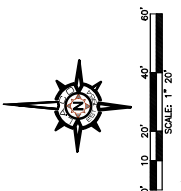
TOTAL CUT = 3,975 CY
 TOTAL FILL = 3,748 CY
 TOTAL DISTURBED AREA = 2.8 AC

ALL QUANTITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THE ACTUAL AMOUNT OF EARTHWORK CUT AND/OR FILL WILL VARY, ALL DEPENDING ON COMPACTOR, CONSOLIDATION, AND STRIPPING REQUIREMENTS. DUE TO THE INEXACT NATURE OF EARTHWORK QUANTITY QUANTIFICATION, THESE QUANTITIES ARE EXACT. CONTRACTORS SHALL DO THEIR OWN EARTHWORK ESTIMATES FOR BIDDING AND CONTACT PURPOSES.

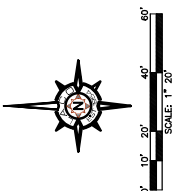
NO.	REVISION	DATE



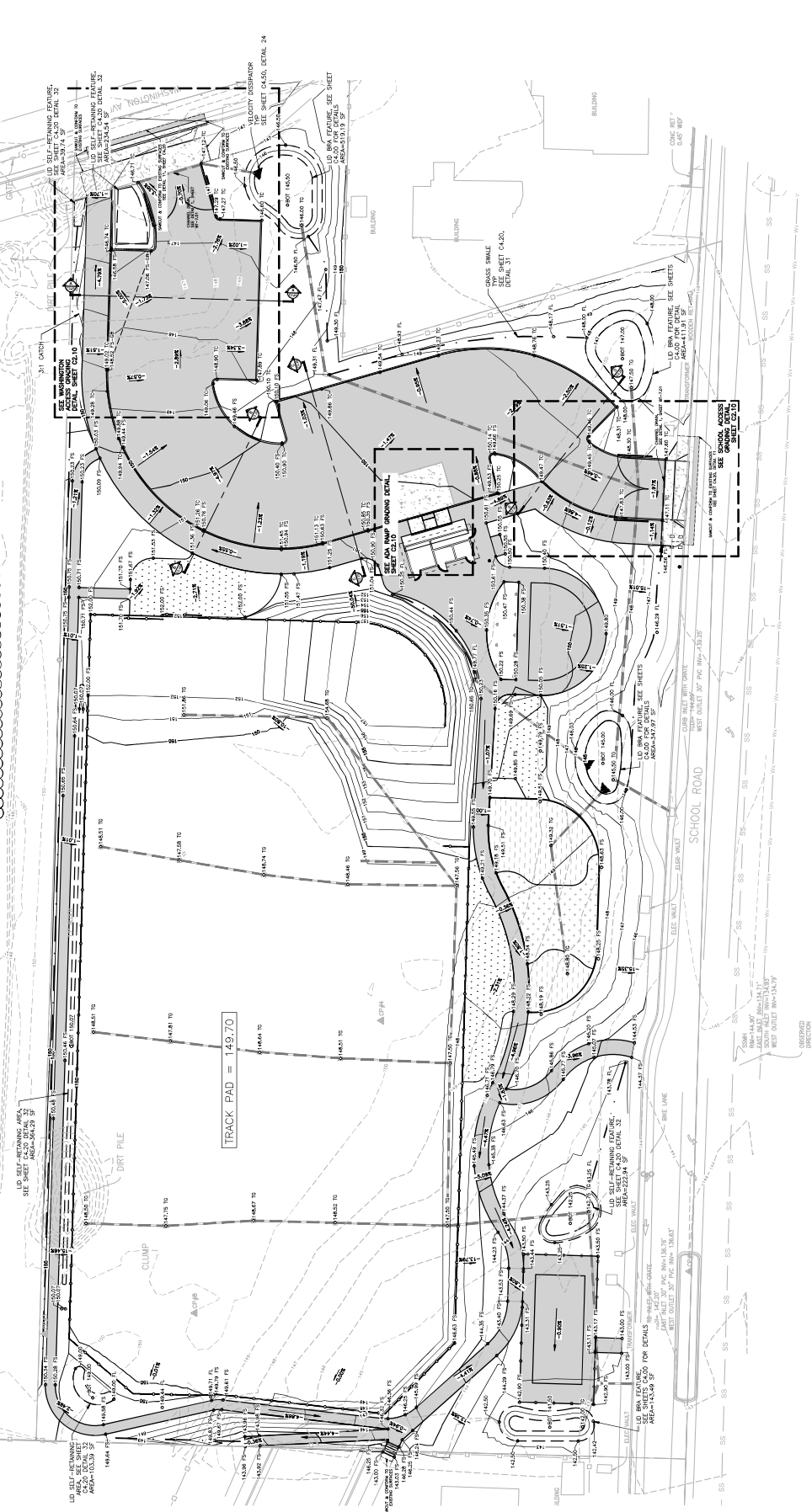
NO.	REVISION	DATE



Date: Feb 27, 2024, 11:56am User ID: lacobd
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 This drawing is not intended for construction. It is a preliminary design and is subject to change without notice. It is not to be used for construction purposes.

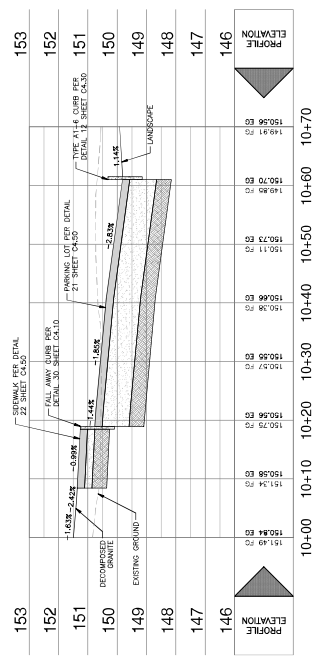


7. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH TECHNICAL MEMORANDUM BY LACO ASSOCIATES DATED JUNE 26, 2023.
8. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH TECHNICAL MEMORANDUM BY LACO ASSOCIATES DATED JUNE 26, 2023.
9. ENGINEERS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.
10. ENGINEERS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.
11. ENGINEERS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.
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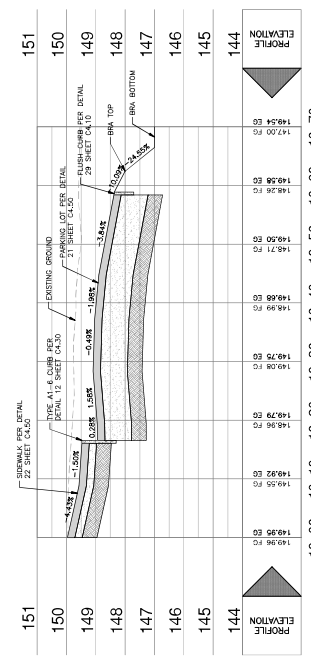


DATE: FEB 27, 2024, 11:57 AM
USER: JACOB SHAWA
PROJECT: BMX TRACK AND PARK DEVELOPMENT
SHEET: C2.00

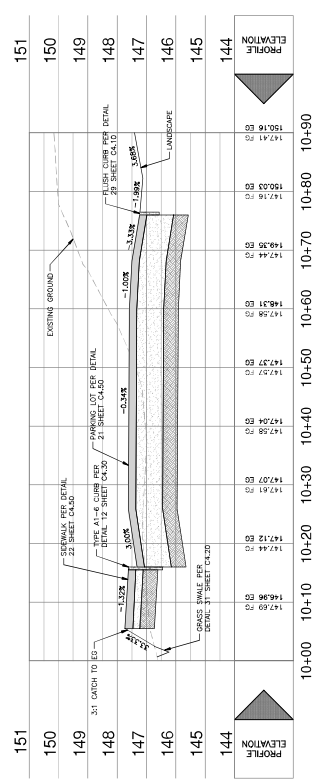
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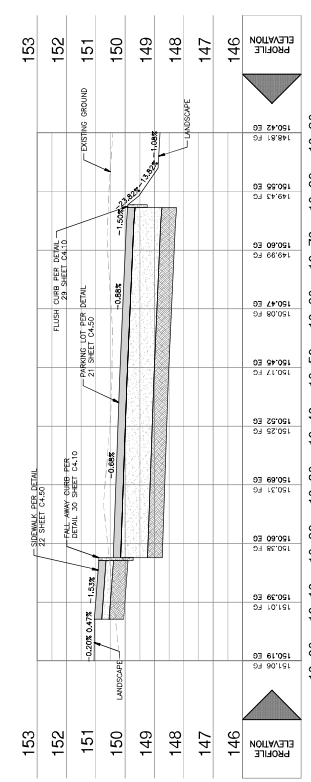
SECTION B-B
HORIZONTAL: 1"=10'
VERTICAL: 1"=2'



SECTION D-D
HORIZONTAL: 1"=10'
VERTICAL: 1"=2'

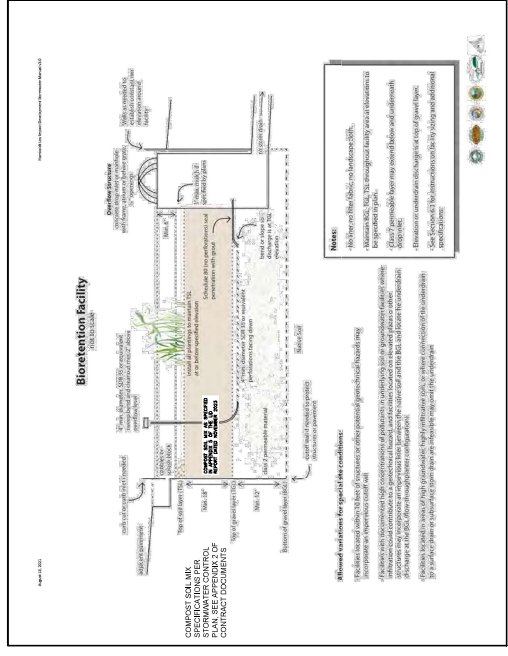


SECTION A-A
HORIZONTAL: 1"=10'
VERTICAL: 1"=2'

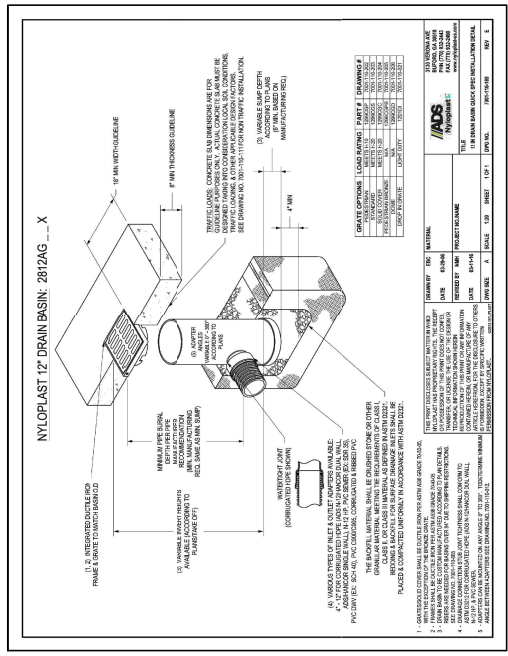


SECTION C-C
HORIZONTAL: 1"=10'
VERTICAL: 1"=2'

THIS PLAN HAS BEEN PREPARED BY THE ENGINEER OR ARCHITECT AND IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR ARCHITECT. THE ENGINEER OR ARCHITECT IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN.



1 BIO-RETENTION FACILITY
NOT TO SCALE



2 NYLOPLAST 12" DRAIN BASIN
NOT TO SCALE

1 STANDARD BUILDING SEWER INSTALLATION SPECIFICATIONS

McKinleyville Community Services District
Standard Building Sewer Installation Specifications
Building Sewers, Lateral Sewers, and Connections - Acceptable Materials

In order to maintain good standards and provide sewage treatment at the lowest cost to our residents, the following requirements regarding back-ups from buildings to the main sewer line:

- A permit must be received from MCSDF'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 back-up (other than lines under a sidewalk), you must first get a permit from MCSDF's office.
- 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, 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 determination. Any item not covered herein shall be referred to the code for a determination.

The building system including 2.5 feet from any building to the meter shall be of such materials as may be approved by specification but shall be limited to the following types of pipe and joints:

- Acceptable pipe shall be Schedule 40 (40S) Schedule 40 DWV pipe with cellular core meeting ASTM A1328-85 Standard.
- ABS-DWV schedule 40 (plastic pipe WPCA approved) 3/8" AHS approved for sewer.
- PVC SDR-35 in accordance with ASTM specifications D2687(7) and must be joined with butt-welded joints only.
- PVC SDR-35 in accordance with ASTM specifications D2687(7) and must be joined with factory fabricated joints.

ABS or PVC pipe must be joined together with caulking or flexible compression joints.

ABS or PVC pipe must be at least 6" (12" for 4" diameter) and must be installed in a trench that is at least 12" deep.

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

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

2 NYLOPLAST 12" DRAIN BASIN

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 each sewer. Three inch (3") may be used for a single-family residence only.

GRADE, SUPPORT PROTECTION OF BUILDING SEWERS
A. Building sewers shall be run in a vertical alignment and at a uniform 4" per foot less than one-eighth inch (1/8") per foot toward the point of connection, unless otherwise specified.
B. 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.
C. 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 in a trench less than one (1) foot below the surface of the ground. This provision includes structures such as manholes and steps, whether covered or uncovered, breezeways, carports, covered driveways, and similar structures or appurtenances.

CLEANOUTS
A. 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.
B. The cleanout shall be installed in a vertical alignment and at a uniform 4" per foot less than one-eighth inch (1/8") per foot toward the point of connection. The exception to this is a cleanout in a structure such as a driveway or walkway. If extended it must be installed in a vertical alignment and at a uniform 4" per foot less than one-eighth inch (1/8") per foot toward the point of connection.
C. Each cleanout shall be installed so it opens in a direction opposite to the flow of the soil waste or at right thereto, and except in the case of "wye" branch and end-of-line cleanouts, vertically above the flow of the pipe.

SEWER AND WALKER 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:
A. The bottom of the water piping at all points shall be at least twelve inches (12") above the top of the sewer piping, and shall be at one side of the common trench.
B. The water piping shall run in a solid shell at one side of the common trench.

3 SPECIFICATIONS OF SEWER SIZE, GRADE, AND CLEANOUTS