

# SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

FEMA-4308-DR-CA, CAL OES ID: 085-68000 TUOLUMNE COUNTY, CA

#### **SCOPE OF WORK**

THE SAN JOSE FAMILY CAMP STORM DRAINAGE REPAIR PROJECT CONSISTS OF THE FOLLOWING SCOPE OF WORK ITEMS:

- 1. REMOVAL AND REPLACEMENT OF DAMAGED RETAINING WALLS ADJACENT TO THE SEASON POOL AREA LOCATED WITHIN THE MIDDLE FORK TUOLUMNE RIVER (RIVER), INSIDE THE SAN JOSE FAMILY CAMP BOUNDARY. MORE PARTICULARLY DESCRIBED BELOW:
- NORTH POOL WALL REMOVE AND REPLACE APPROXIMATELY 178 LINEAR FEET OF STONE RETAINING WALL INCLUDING: EXCAVATION, DEMO AND SALVAGE OF EXISTING MATERIAL; PLACEMENT OF CONCRETE AND ROCK MATERIAL FOR CONSTRUCTION OF NEW RETAINING WALLS; AND STORM WATER CONTROL, SPECIES PROTECTION, AND/OR MITIGATION AS NECESSARY AND AS PER APPROPRIATE PERMITS.
- SOUTH POOL WALL REMOVE AND REPLACE APPROXIMATELY 140 LINEAR FEET OF STONE RETAINING WALL INCLUDING: EXCAVATION, DEMO AND SALVAGE OF EXISTING MATERIAL; PLACEMENT OF CONCRETE AND ROCK MATERIAL FOR CONSTRUCTION OF NEW RETAINING WALLS; AND STORM WATER CONTROL AND SPECIES PROTECTION AND/OR MITIGATION AS NECESSARY AND AS PER APPROPRIATE PERMITS.
- CONSTRUCTION OF ACCESSIBLE RAMP TO SHALLOW TODDLER SECTION OF SEASON POOL AREA AT LOCATION OF EXISTING NON—COMPLIANT RAMP.
- 2. REMOVAL AND REPAIR OF EXISTING PLAY AREA, EXISTING RETAINING WALL LOCATED BETWEEN PLAY AREA AND RIVER, AND IMPROVEMENTS TO EXISTING ADJACENT PARKING AREA TO PROVIDE ACCESSIBLE PARKING AND PEDESTRIAN ACCESS TO PLAY AREA AND LARGER FAMILY CAMP AREA TO THE SOUTH, ACROSS EXISTING PEDESTRIAN BRIDGE. WORK MORE PARTICULARLY DESCRIBED BELOW:
- CLEARING AND GRUBBING OF PLAY AREA AND PARKING LOTS INCLUDING TREE REMOVAL, DEMO AND SALVAGE/ REMOVAL OF EXISTING PLAY AREA MATERIALS (I.E., FENCING, GROUND COVER BARK MATERIAL, SMALL TODDLER PLAY STRUCTURE, WOOD DECKING, TREE STUMPS, ETC.), AND DEMO OF EXISTING RETAINING WALL.
- CONSTRUCTION OF NEW PLAY AREA INCLUDING GRADING, INSTALLATION OF DRAINAGE SYSTEM, INSTALLATION OF PLAY AREA SURFACE MATERIAL, CONSTRUCTION OF WOOD DECK AND CONCRETE WALKS, INSTALLATION OF PLAY STRUCTURE, SHADE STRUCTURE, FENCING AND PLACEMENT OF MISC. FURNITURE (STORAGE CONTAINER, PICNIC BENCHES, ETC).
- PLACEMENT OF CONCRETE AND ROCK MATERIAL FOR CONSTRUCTION OF NEW RETAINING WALL
- CONSTRUCTION OF NEW PARKING LOT INCLUDING GRADING, PLACEMENT OF ASPHALT AND BASE ROCK PAVING, AND INSTALLATION OF SIGNAGE
- INSTALLATION OF STORM WATER CONTROL AND SPECIES PROTECTION AND/OR MITIGATION AS NECESSARY AND AS PER APPROPRIATE
- 3. IMPROVEMENTS TO EXISTING PEDESTRIAN ACCESSIBLE ROUTES NEAR FAMILY CAMP RESTROOM AREA. MORE PARTICULARLY DESCRIBED BELOW:
- CLEARING AND GRUBBING OF LIMIT OF WORK AREA INCLUDING REMOVAL OF EXISTING CONCRETE AND/OR ASPHALT PAVING.
- EXCAVATION FOR SMALL RETAINING WALL. PLACEMENT OF CONCRETE
- AND ROCK MATERIAL FOR CONSTRUCTION OF NEW RETAINING WALL.

   PLACEMENT OF NEW ASPHALT FOR ADA COMPLIANT PEDESTRIAN
- ACCESS WITHIN LIMIT OF WORK AREA.

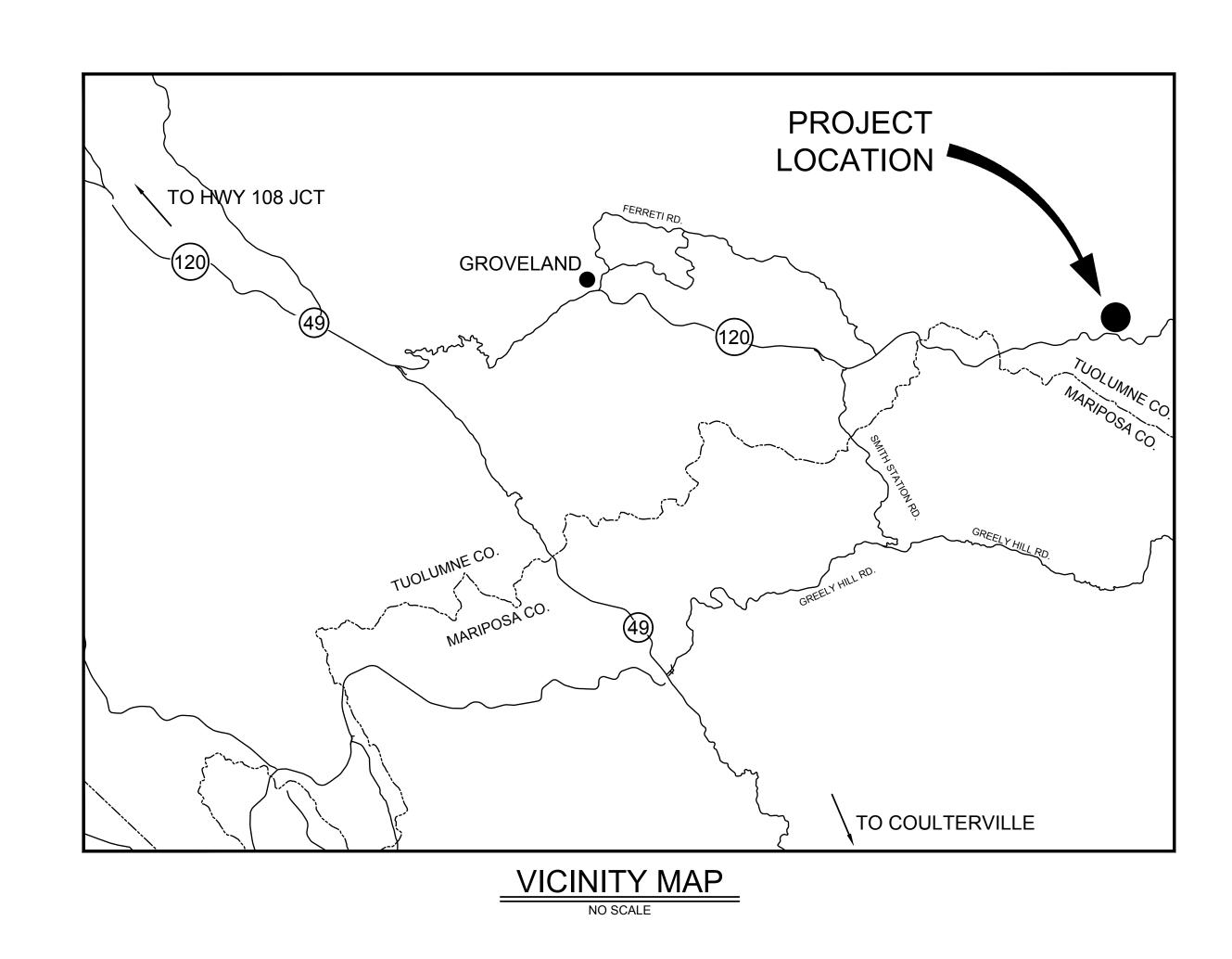
#### **DEFERRED APPROVAL AND PERMITS**

THE ENGINEER OF RECORD SHALL REVIEW AND STAMP, AS REVIEWER, EACH DRAWING, AND COVER SHEET OF THE CALCULATIONS, FOR EACH DEFERRED SUBMITTAL PRIOR TO SUBMITTAL TO THE CITY OF SAN JOSE PUBLIC WORKS AND TUOLUMNE COUNTY. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS, STRUCTURAL CALCULATIONS AND EQUIPMENT DATA TO THE CITY OF SAN JOSE PUBLIC WORKS AND TUOLUMNE COUNTY FOR A NO—COST PERMIT FOR APPROVAL BEFORE CONSTRUCTION OF THE FOLLOWING, BUT NOT LIMITED TO:

- 1. PLAY EQUIPMENT
- 2. DECKING IN PLAY AREA
- 3. COVERED SHADE STRUCTURE, CONSTRUCTION TYPE V—B, OCCUPANCY U
  4. GUARDRAILS, HANDRAIL, AND ANCHORAGE TO CONCRETE

DO NOT DELIVER PRODUCTS TO THE JOB SITE WITHOUT BUILDING DEPARTMENT APPROVAL.

# PREPARED FOR: CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIVISION 200 EAST SANTA CLARA STREET, 6TH FLOOR SAN JOSE, CA 95113-1905



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#### GEOTECHNICAL ENGINEER OF RECORD

GENERAL CONFORMANCE WITH THE INTENT AND PURPOSE OF THE GEOTECHNICAL REPORT.

DAN PELUSO
PREPARED BY (CE&G)

6/21/21
DATE OF REPORT

THIS PLAN HAS BEEN REVIEWED AND FOUND TO BE IN

2367 BY G.E. #

EARTH WORK QUANTITIES

CUT: 200 CY

FILL: 200 CY

EXPORT: 0 CY

IMPORT: 0 CY

NOTE: EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S REPONSIBILITY TO INDEPENDENTLY ESTIMATE QUANTITIES FOR HIS/HER OWN USE.





MATT CANO
DIRECTOR OF PUBLIC WORKS

SIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

4670 WILLOW ROAD, STE 125 TEL 925.847.155 PLEASANTON, CA 94588 FAX 925.847.155

**GEOTECHNICAL:** 

WOOD RODGERS

CAL ENGINEERING & GEOLOGY

CAL ENGINEERING & GEOLOGY

6455 ALMADEN EXPWY. STE 100

SAN JOSE, CA 95120 TEL 408.440.4

ENVIRONMENTAL:

WATER and ENVIRONMENT

266 GRAND AVE. STE 210 TEL 510.986.1850

OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH,
THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

DATE	RE	ASON FOR ISSUE
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TITLE SHEET

SHEET NUMBER: 1 OF 22

SHEET IDEN:

CPMS ID NUMBER: CPMS ID

SHEET TITLE:

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# **GENERAL NOTES**

- ALL WORK, MATERIAL, AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2021 EDITION, THE CALIFORNIA BUILDING CODE 2019, THE APPLICABLE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS DATED 2018, AND TUOLUMNE
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL 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 LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND FURNISH, INSTALL, AND MAINTAIN TEMPORARY SIGNS, BARRICADES, FLAGMEN, AND OTHER FACILITIES TO ADEQUATELY SAFEGUARD THE GENERAL PUBLIC AND WORK, AND TO PROVIDE FOR THE PROPER ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC. CONSTRUCTION OPERATIONS SHALL COMPLY WITH THE WORK AREA AND CALIFORNIA MANUAL ON TRAFFIC CONTROL DEVICES (CAMUTCD).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS APPLICABLE TO ALL WORK PERFORMED UNDER THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY SERVICE PROVIDER WHEN WORKING NEAR POWER LINES, POWER POLES, IRRIGATION MAINS, OR ANY OTHER UTILITY STRUCTURE, ETC.
- 6. THE CONTRACTOR IS HEREBY NOTIFIED THAT, PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES INVOLVED WITH THIS PROJECT. IN ADDITION, THE CONTRACTOR IS TO REQUEST TO HAVE ALL UNDERGROUND UTILITIES WHICH MAY POSSIBLY CONFLICT WIT THE ABOVEGROUND OR BELOWGROUND IMPROVEMENTS IDENTIFIED IN THE FIELD. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION OF AND REPAIR OF DAMAGE TO THEM. THE CONTRACTOR OR ANY SUBCONTRACTOR IS REQUIRED TO NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION BY CALLING 811.
- THE DESIGN PROFESSIONAL PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- 8. WOOD RODGERS, INC. HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS. HOWEVER, THE DESIGN PROCESS INCLUDES ACTIVITIES OCCURRING AFTER PLAN SIGNATURE. THESE ACTIVITIES INCLUDE CALCULATION, PLAN CHECK AND VERIFICATIONS DURING CONSTRUCTION. SHOULD PERSONS OTHER THAN WOOD RODGERS INC. PERFORM THE CONSTRUCTION STAKING OPERATIONS, THEY SHALL INDEMNIFY THE WOOD RODGERS, INC. FROM ANY DAMAGES RESULTING FROM FAILURE TO PERFORM THESE TASKS OR ANY EXPENSE OR DAMAGE RESULTING FROM OMISSION OR ERROR CONTAINED IN THE PLANS WHICH WOULD REASONABLY HAVE BEEN DISCOVERED AND CORRECTED BY WOOD RODGERS, INC.
- PRIOR TO ANY CORRECTIVE ACTION BY THE CONTRACTOR WHICH IS NECESSARY DUE TO ALLEGED STAKING ERROR, THE CONTRACTOR SHALL NOTIFY WOOD RODGERS, INC. FOR RESTAKING AND VERIFICATION OF PREVIOUS STAKING. SHOULD ANY CORRECTIVE WORK BE DONE PRIOR TO NOTIFICATION, OR IF THE ORIGINAL STAKING IS DONE BY OTHERS, WOOD RODGERS, INC. ASSUMES NO LIABILITIES FOR THE COSTS INCURRED FOR THIS WORK. WHERE IT HAS BEEN DETERMINED THAT ANY CORRECTIVE ACTION WILL REQUIRE FINANCIAL PARTICIPATION BY WOOD RODGERS, INC., THAT AMOUNT SHALL BE AGREED TO BY WOOD RODGERS, INC. IN WRITING PRIOR TO TAKING CORRECTIVE ACTION. FAILURE TO OBTAIN WRITTEN ACCEPTANCE BY WOOD RODGERS INC. WILL NEGATE ALL REQUIREMENTS OF OUR FINANCIAL ASSISTANCE.
- 10. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WOOD RODGERS, INC. CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
- 11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SIZES, AND LOCATIONS OF ALL EXISTING FACILITIES AND FEATURES BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR TO EXPOSE END OF EXISTING WATER MAIN, AND DRAIN LINES FOR SURVEYORS TO VERIFY LOCATION AND ELEVATION PRIOR TO BEGINNING WORK. ALL COSTS OF SUCH EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE PRICE PAID FOR VARIOUS ITEMS OF WORK.
- THE CONTRACTOR SHALL LOCATE, PROTECT, SHORE, BRACE, SUPPORT, AND MAINTAIN ALL EXISTING FACILITIES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, IRRIGATION, SEWER, POWER, STREET LIGHTS, TELEPHONE, AND OTHER UNDERGROUND PIPES, CONDUITS, DRAINS, AND UNDERGROUND CONSTRUCTION WHICH MAY BE UNCOVERED OR OTHERWISE AFFECTED BY THE WORK. HE SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITY TWENTY-FOUR HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY AFFECTING, OR IN THE IMMEDIATE VICINITY OF THEIR UTILITY.
- 13. FOR ALL TRENCH EXCAVATIONS 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS SHALL RECORD THE LOCATION AND GRADE OF ALL IMPROVEMENTS AND FILLS THAT ARE CONSTRUCTED AND COPIES SHALL BE DELIVERED TO THE AGENCY PRIOR TO ACCEPTANCE OF THE WORK AS INDICATED IN THE SPECIFICATIONS.
- DRAWINGS SHOWN WITH AERIAL PHOTOGRAPHS ARE PROVIDED FOR REFERENCE ONLY. ALL FACILITIES MAY NOT BE SHOWN ON PHOTOGRAPHS. THE CONTRACTOR SHALL SATISFY ITSELF AS TO THE LOCATION OF EXISTING FACILITIES THAT MAY BE AFFECTED BY CONSTRUCTION.
- 16. ADMINISTRATION OF ALL WORK BY THE CONTRACTOR SHALL COMPLY WITH THE GENERAL SPECIFICATIONS.
- 17. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL PROJECT PERMITS.
- 18. EXISTING VEGETATION SHALL BE PROTECTED AND LEFT UNDISTURBED AS MUCH AS PRACTICAL. EXISTING NATIVE PLANTS IN AREAS TO BE DISTURBED SHALL BE REPLACED AFTER FINAL GRADING HAS OCCURRED.
- 19. ALL UTILITIES SHOWN WERE LOCATED FROM ABOVE GROUND VISUAL STRUCTURES. MINIMAL UTILITY RESEARCH WAS CONDUCTED FOR THIS SITE. NOTIFY UNDERGROUND SERVICE ALERT AT (1-800-227-2600) AND THE PROPERTY OWNER PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE. CONTACT ADJACENT PROPERTY OWNERS TO DETERMINE IF THERE ARE ANY UTILITIES TO CONSIDER.
- 20. NATIVE STREAMBED MATERIAL THAT IS EXCAVATED MAY BE REUSED IN CHANNEL OR MORTARED ROCK WALL IF APPROVED BY THE CITY OF SAN JOSE, TUOLUMNE COUNTY, AND ENVIRONMENTAL PERMIT, STOCKPILES TO BE LOCATED WITHIN THE STAGING AREA WHEN PRACTICAL AND COMPLETELY WITHIN THE LIMITS OF DISTURBANCE AT ALL TIMES.
- 21. ANY PUMPS USED ON-SITE (DEWATERING) SHALL BE PLACED ON ABSORBENT PADS. THE CONTRACTOR SHALL HAVE SPILL CONTAINMENT MATERIALS LOCATED AT THE SITE, WITH OPERATORS TRAINED IN SPILL CONTROL PROCEDURES.
- 6.1 OBTAIN WATER DIVERSION AND ACCESS PLAN APPROVAL 6.2 MOBILIZATION 6.3 CONDUCT DEMOLITION AND CONSTRUCTION 6.4 REMOVE TEMPORARY STRUCTURES, AND 6.5 DEMOBILIZE
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF SAN JOSE AND TUOLUMNE COUNTY UPON DISCOVERING DISCREPANCIES, ERRORS OR OMISSIONS IN THE PLANS. PRIOR TO PROCEEDING, THE DISCREPANCY SHALL BE RESOLVED TO THE SATISFACTION OF THE CITY OF SAN JOSE.
- 24. IN THE EVENT CULTURAL RESOURCES (I.E., HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN A 100 FOOT RADIUS OF THE FIND. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE COUNTY PER THE ARCHEOLOGIST'S RECOMMENDATIONS. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER.
- 25. IF HAZARDOUS MATERIALS ARE ENCOUNTERED STOP WORK IN THE AFFECTED AREA IMMEDIATELY AND CONTACT 911 OR THE CITY OF SAN JOSE FOR FURTHER INSTRUCTION.
- 26. SMOKING IS NOT PERMITTED IN THE PARK AT ANY TIME DUE TO THE FIRE HAZARD.

#### STANDARD GRADING & DRAINAGE NOTES:

NOTE: CITY REFERS TO CITY OF SAN JOSE AND COUNTY REFERS TO TUOLUMNE COUNTY

THIS DRAWING IS APPROVED SUBJECT TO:

- ALL GRADING IS SUBJECT TO OBSERVATION BY THE CITY. PERMITTEE OR REPRESENTATIVE SHALL NOTIFY THE CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS PROJECT INSPECTOR AT LEAST 48 HOURS BEFORE START OF ANY GRADING.
- APPROVAL OF THIS PLAN APPLIES ONLY TO (A) THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS, (B) THE INSTALLATION OF ON-SITE (I.E. PRIVATE PROPERTY) STORM WATER CONVEYANCE AND TREATMENT FACILITIES THAT ARE OUTSIDE OF THE 5-FOOT BUILDING ENVELOPE, AND (C) THE INSTALLATION OF RETAINING STRUCTURES. THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS WITH THE EXCEPTION OF THOSE LISTED ABOVE. PROPOSED IMPROVEMENTS, WITH THE EXCEPTION OF THOSE LISTED ABOVE, ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED.
- UNLESS OTHERWISE NOTED ON THE PLAN, ANY DEPICTION OF A RETAINING STRUCTURE ON THIS PLAN SHALL NOT CONSTITUTE APPROVAL FOR CONSTRUCTION OF THE RETAINING STRUCTURE UNLESS A SEPARATE STRUCTURAL REVIEW, BY THE DEPARTMENT OF PUBLIC WORKS IS COMPLETED AND APPROVED
- 4. IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE OR AGENT TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES.
- THE PERMITTEE OR AGENT SHALL MAINTAIN THE STREETS. SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.
- THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE FLOOD HAZARD AREA REGULATIONS AS STATED IN CHAPTER 17.08 OF THE SAN JOSE MUNICIPAL CODE.
- ALL KNOWN WELL LOCATIONS ON THE SITE HAVE BEEN INCLUDED AND SUCH WELLS SHALL BE MAINTAINED OR ABANDONED ACCORDING TO CURRENT REGULATIONS ADMINISTERED BY THE SANTA CLARA VALLEY WATER DISTRICT. CALL (408) 265-2600 EXTENSION 2660 TO ARRANGE FOR DISTRICT OBSERVATION OF ALL WELL ABANDONMENTS.
- IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE TUOLUMNE COUNTY CORONER
- THIS PLAN DOES NOT APPROVE THE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHODS OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE CITY'S PLANNING DEPARTMENT, THE CITY ARBORIST, AND THE COUNTY.
- 11. FOR NON-RESIDENTIAL PROJECTS. ANY NON-HAZARDOUS EXPORT RESULTING FROM PROJECT RELATED EXCAVATION OR LAND CLEARING SHALL BE 100% REUSED AND RECYCLED PER CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.408.
- 12. BOLT-DOWN STORM DRAIN MANHOLE COVERS SHALL BE USED WHEN STORM DRAIN MANHOLES ARE NOT IN THE STREET (I.E. WHEN LOCATED IN LANDSCAPED AREAS, SIDEWALKS, ON-SITE EASEMENTS, ETC.).
- 13. CIVIL ENGINEER INFORMATION AND STATEMENTS:
  - A. THE CIVIL ENGINEER FOR THIS PROJECT IS: KARRIE MOSCA WOOD RODGERS
    - 4670 WILLOW ROAD, SUITE 125
  - B. THIS ROUGH GRADING PLAN HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED ENGINEER AND DESIGNED BASED ON THE RECOMMENDATIONS OF THE REFERENCED PROJECT GEOTECHNICAL REPORT.
  - C. THE STORMWATER CONVEYANCE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE APPROPRIATE BUILDING AND PLUMBING CODES OR HAS BEEN PROVEN TO BE DESIGNED WITH ADEQUATE CAPACITY THROUGH SIGNED AND SEALED HYDRAULIC CALCULATIONS.
- SOILS ENGINEER INFORMATION AND REQUIREMENTS:
- A. THE SOIL ENGINEER FOR THIS PROJECT IS: DAN PELUSO
  - CAL ENGINEERING & GEOLOGY
- 785 YGNACIO VALLEY ROAD WALNUT CREEK, CA 94596
- B. THE GEOTECHNICAL REPORT FOR THIS PROJECT IS: SAN JOSE FAMILY CAMP STORM DRAINAGE REPAIR, CE&G DOCUMENT NO. 181310.002 DATED JUNE 21, 2021
- C. ALL GRADING WORK SHALL CONFORM TO THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT AND/OR THE PROJECT SOIL ENGINEER.
- D. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOIL ENGINEER. THE SOIL ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND/OR UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.
- 15. A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS AND COUNTY FROM A CIVIL ENGINEER RETAINED BY THE OWNER TO OBSERVE THE CONSTRUCTION STATING:
  - A. "THAT THE CONSTRUCTION CONFORMS TO THE LINES AND GRADES ON THE APPROVED PLANS;" OR
  - B. "THAT ALL SIGNIFICANT CHANGES WERE REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS AND COUNTY" AND THE CIVIL ENGINEER SHALL SUBMIT A "RECORD DRAWING" PLAN.
- 16. A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS AND COUNTY FROM A SOIL ENGINEER, AND ALSO FROM AN ENGINEERING GEOLOGIST IF THE PROJECT IS IN A GEOLOGIC HAZARD ZONE, STATING:
  - A. "THAT THE ANTICIPATED CONDITIONS AND MATERIALS AND ACTUAL SITE CONDITIONS AND MATERIALS WERE COMPATIBLE," AND SUPPLY SUPPORTING DATA; OR
- B. "THAT THE DESIGN WAS MODIFIED TO MEET THE NEW CONDITIONS AND WAS REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS;" AND PROVIDE SUPPORTING DATA FOR THESE STATEMENTS.
- 17. A HAUL ROUTE PERMIT IS REQUIRED FOR ALL PROJECTS MOVING MORE THAN 10,000 C.Y. OF EARTH. THIS GRADING PERMIT IS INVALID WITHOUT THE HAUL ROUTE PERMIT. HAUL ROUTE PERMITS SHOULD BE OBTAINED FROM THE CITY'S TRANSPORTATION DEPARTMENT AND COUNTY.
- GRADING WILL NOT BE ALLOWED BETWEEN OCTOBER 1ST AND APRIL 30TH OF ANY YEAR WITHOUT EROSION CONTROL PLANS AND MEASURES APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND COUNTY. STORMWATER POLLUTION PREVENTION MEASURES IN ACCORDANCE WITH CITY AND COUNTY SPECIFICATIONS AND WITH THE DOCUMENT "CLEAN BAY BLUEPRINT" SHALL BE IMPLEMENTED THROUGHOUT THE YEAR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS AND COUNTY.
- 19. A POST CONSTRUCTION "AS-BUILT" PLAN IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS AND COUNTY FROM A CIVIL OR SOILS ENGINEER RETAINED BY THE OWNER TO PROVIDE THE FINAL HORIZONTAL AND VERTICAL LOCATIONS OF THE IMPROVEMENTS APPROVED WITH THIS PLAN SUCH AS SUBDRAINS, ON-SITE STORM WATER CONVEYANCE AND TREATMENT SYSTEMS, AND ON-SITE RETAINING STRUCTURES.

#### **SURVEY CONTROL POINTS**

		Poir	nt Table	
Pt#	Elev	Northing	Easting	Description
11	2889.55	2124010.23	6702698.51	SET RB/TWL DISH
12	2850.77	2124062.25	6703215.33	SET MAG/TT
13	2875.47	2124414.39	6703118.92	SET RB/TWL DISK
14	2902.13	2123955.81	6703479.29	SET MAG/TT
15	2846.80	2124155.39	6703457.47	SET MAG/TT "15'
16	2848.23	2124257.69	6703440.92	SET MAG/TT
17	2847.85	2124266.34	6703932.57	SET SS/TT
18	2852.73	2124258.54	6704181.02	SET SSTT 4 MIN
19	2862.33	2124354.88	6703662.99	SET 90D/TT
20	2885.73	2124418.25	6703524.63	SET #5RB/TWLDIS
21	2920.33	2124663.61	6703148.13	SET RB/TWL DISH
22	2932.38	2124748.36	6703225.85	SET SS/TT CAMP
23	2905.99	2124573.83	6703428.73	SET MAG/TT
24	2874.04	2124446.85	6703746.89	SET SS/TT
25	2863.32	2124437.74	6703924.83	SET SS/TT
26	2893.92	2124651.32	6703995.28	SET SS/TT
 	2850.17	2124598.92	6704219.03	60D/TT IN STUMF
28	2905.99			SET SS/TT
		2124880.31	6704142.03	,
29	2899.16	2124788.18	6704371.50	SET SS/TT
30	2852.62	2124610.26	6704507.32	SET# 5 RB
31	2881.24	2124497.52	6704531.09	SET 90D/TT
32	2889.31	2124772.65	6704614.56	SET SS/TT
33	2884.98	2124463.87	6704446.10	SET 90D/TT
34	2850.01	2124383.10	6704213.02	SET SS/TT
99	2888.23	2123201.24	6702994.41	TUO120-PM47.05
100	2891.34	2123073.01	6702411.09	TU0120-PM46.95
1045	2890.61	2124099.90	6702579.43	SET 60D WP
1070	2863.44	2124286.28	6702586.77	SET 90D/TT
1142	2870.04	2124513.81	6702666.58	SET 90D/TT WP
1143	2873.83	2124358.13	6702924.93	SET N&S WP
1146	2872.47	2124514.97	6702845.53	SET 90D/TT WP
1396	2836.09	2124165.97	6703173.09	SET 90D/TT WP
1657	2839.25	2124257.01	6702998.24	SET 60D WP
1899	2846.52	2124194.52	6703594.39	SET 90D /TT
2116	2870.48	2124372.84	6703282.36	SET 60D WP
2553	2926.12	2124731.68	6703317.97	SET MAG/TT WP
3347	2847.47	2124514.72	6704100.91	SET GINNIE/TACK
4307	2849.53	2124601.80	6704613.09	SET 60D WP
5139	2848.75	2124285.54	6704053.36	SET N&S
5403	2849.64	2124233.45	6703771.16	SET 60D/TT
11194	2903.88	2124162.24	6703961.42	SET MAG+TT 3 MI

2. CONTRACTOR SHALL PRESERVE AND PROTECT ALL CONTROL POINTS. WHERE CONTROL POINTS CONFLICT WITH OR WILL BE REMOVED BY CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL REMOVE AND REPLACE THE CONTROL POINTS AT CONTRACTOR'S EXPENSE.

#### **BENCHMARK**

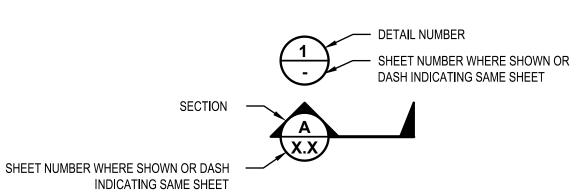
THE BENCHMARK FOR THIS SURVEY IS A MAG NAIL ON THE NORTH SIDE OF CHERRY LAKE ROAD IN A DRIVEWAY/TURNOUT APPROXIMATELY 1,800 FEET NORTHEAST FROM STATE HIGHWAY 120. POINT NUMBER 14

VERTICAL DATUM NAVD88

#### **HORIZONTAL/ VERTICAL COORDINATES AND BASIS OR BEARINGS**

COORDINATES AND BEARINGS ARE DERIVED FROM THE CALIFORNIA SURVEYING AND DRAFTING SUPPLY (CSDS) REAL-TIME GPS NETWORK. CORDS STATIONS BY THE CALIFORNIA SPATIAL REFERENCE CENTER WERE UTILIZED.

HORIZON DATUM: NAD83 EPOCH2011.00(CSRC) VERTICAL DATUM: NAVD88



**DETAIL AND SECTION CROSS-REFERENCING CONVENTION** 

LEGEND			CITY OF 2
<u>ITEM</u>	<u>EXISTING</u>	PROPOSED	SAN JOSE  CAPITAL OF SILICON VALLEY
PROJECT SITE	N/A		City Facilities and Architectural Services
HAUL ROUTE, ONE WAY	N/A	-	
ENTRY / EXIT POINT	N/A	•#	PROFESSIONAL SOLUTION AND AND AND AND AND AND AND AND AND AN
FENCE -	xx	N/A	S. Waller Words
TEMPORARY STOCKPILE / STAGING AREA	N/A		No. 60815 (F)
DEMO / REMOVE	·····	N/A	S. CIVIL
EXCAVATION LIMITS		N/A	OF CALIFORNIA
PHOTO'S POINT OF VIEW	$\Diamond$	N/A	MATT CANO
RETAINING WALL	N/A	=======================================	DIRECTOR OF PUBLIC WORKS
AC DIKE	N/A		
SANITARY SEWER (SIZE VARIES)		N/A	DESIGN TEAM:
VEGETATION . (		N/A	CIVIL / STRUCTURAL / SURVEY:
SWALE	N/A	$\longrightarrow$ · · · $\longrightarrow$	
RIP-RAP	N/A		WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 4670 WILLOW ROAD, STE 125 TEL 925.847.1556
MAJOR CONTOUR	(50)	50	PLEASANTON, CA 94588 FAX 925.847.1557
MINOR CONTOUR	(51)	51	GEOTECHNICAL:
BORE HOLE LOCATION	<b>⊕</b> B-#	N/A	<b>&lt;</b> ◆ CE&G
GRADING DAYLIGHT	N/A	——————————————————————————————————————	CAL ENGINEERING & GEOLOGY  6455 ALMADEN EXPWY. STE 100  SAN JOSE, CA 95120 TEL 408.440.4542
SHADE STRUCTURE	N/A		ENVIRONMENTAL:
GRADE BENCH	N/A		✓ Horizon
DEMO / REMOVE EXISTING	N/A	×	WATER and ENVIRONMENT  266 GRAND AVE. STE 210 TEL 510.986.1850  OAKLAND, CA 94610 FAX 510.350.3592
BUSH		N/A	
DECIDUOUS TREE		N/A	. 1" .
CONIFEROUS TREE	- WV	N/A	IF THIS DOES NOT MEASURE ONE INCH,
MISC. VEGETATION		N/A	THESE PLANS ARE NOT FULL SCALE.

#### ASPHALT CONCRETE ASSESSOR'S PARCEL NO.

**ABBREVIATIONS** 

CLEAR / GRUB LIMITS

ELECTRICAL PULL BOX

MULCH

SIGN

DRAIN INLET

APN	ASSESSOR'S PARCEL NO.	MHHW	MEAN HIGHER HIGH WATER
APPROX.	APPROXIMATE	NI.	NODTH
DO	DEOIN OUDVE	N	NORTH
BC	BEGIN CURVE	(N)	NEW
_	OFNITERINE	NAVD	NORTH AMERICAN VERTICAL DATUM
(	CENTERLINE	NO	NUMBER
CMP	CORRUGATED METAL PIPE	NTS	NOT TO SCALE
CO	COUNTY		
CONC	CONCRETE	OC	ON CENTER
CYDS	CUBIC YARDS		
		PL	PROPERTY LINE
D <b>I</b> A	DIAMETER		
DISCH	DISCHARGE	R	RADIUS
DWG	DRAWING	RD	ROAD
		ROW	RIGHT OF WAY
E	EAST	RSP	ROCK SLOPE PROTECTION
EC	END CURVE		
EL, ELEV	ELEVATION	S	SOUTH
ELEC	ELECTRICAL	SD	STORM DRAIN
EPB	ELECTRIC PULL BOX	SG	SUBGRADE
ESMT	EASEMENT	SHT	SHEET
EXIST, EX, (E)	EXISTING	SLM	SELECT LEVEE MATERIAL
		SMH	SANITARY MANHOLE
FG	FINISHED GRADE	SS	SANITARY SEWER
FL	FLOW LINE	STA	STATION
FT	FOOT OR FEET	STL	STEEL
		STRUCT	STRUCTURAL
HWY	HIGHWAY	SW	SIDEWALK
HOR	HORIZONTAL		
HWSE	HIGH WATER SURFACE ELEVATION	TC	TOP OF CURB
		TEMP	TEMPORARY
IDEN	IDENTIFICATION	TF	TOP OF FOOTING
INV	INVERT	TW	TOP OF WALL
ΙE	INVERT ELEVATION	TYP	TYPICAL
JCT	JUNCTION	VER, V	VERTICAL
LBS	POUNDS	W	WEST
-		·	





THESE PLANS ARE NOT FULL SCALE. PROJECT TITLE:

EPB

N/A

\_\_ \_ \_ \_ \_ \_ \_

MISCELLANEOUS

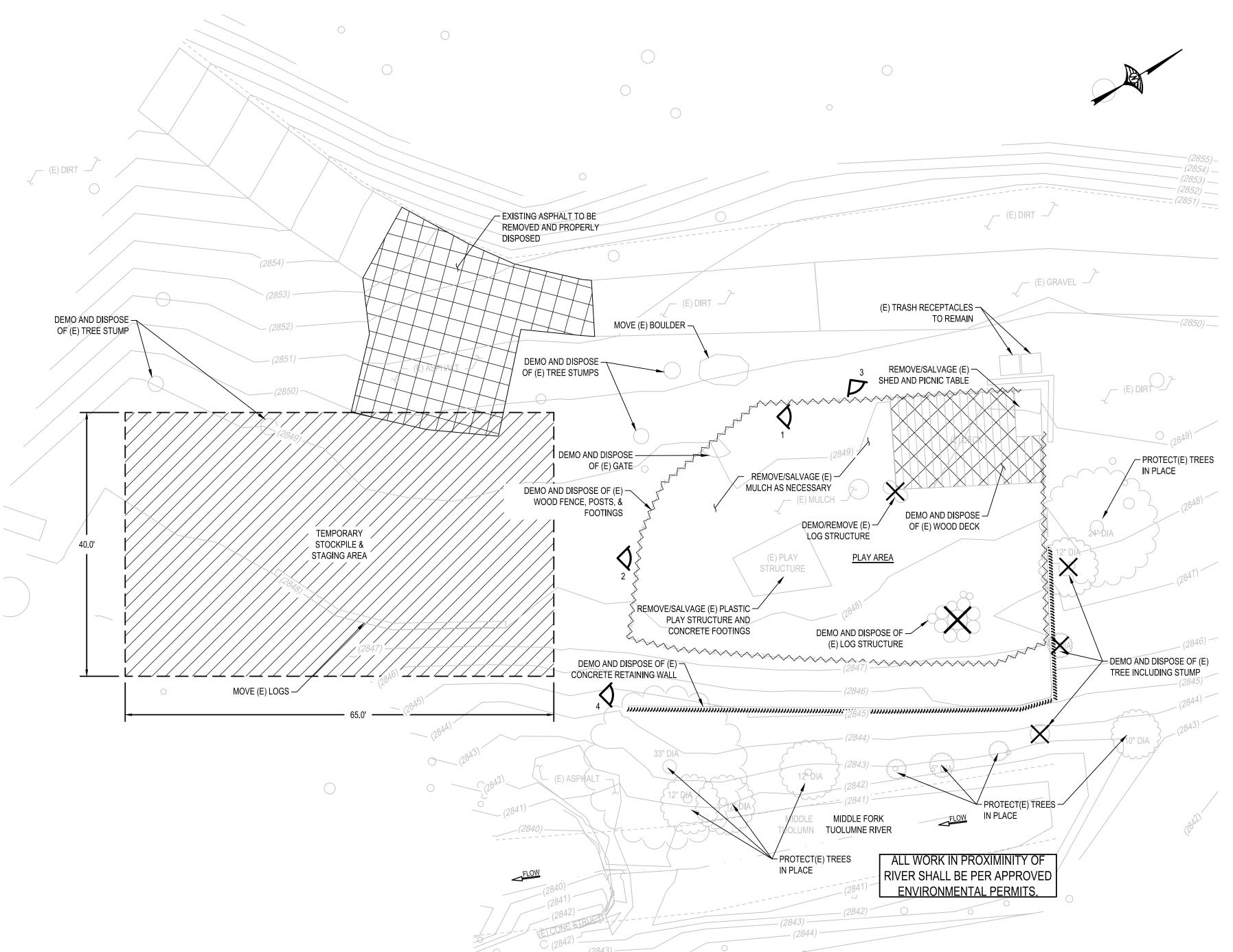
SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REASON FOR ISSUE REV DATE SCALE: DRAWN BY: AS SHOWN CHECKED BY: 01/18/2022 SECTION MANAGER MANAGER CPMS ID NUMBER: CPMS ID SHEET TITLE:

IGENERAL NOTES AND **ABBREVIATIONS** 

SHEET NUMBER: 2 OF 22

SHEET IDEN:



#### **DEMOLITION NOTES**

- 1. THE CONTRACTOR SHALL VISIT THE PROJECT AREA PRIOR TO BIDDING TO DETERMINE THE EXACT EXTENT OF ALL SITE DEMOLITION ITEMS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STANDARD DETAILS AND SUBSEQUENT ADDENDA AS ADOPTED BY THE CITY COUNCIL, WHERE APPLICABLE AND ALSO THE SPECIAL PROVISIONS FOR THIS PROJECT.
- 4. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THESE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION ON THIS PROJECT (USA AT 800-227-2600). THE CONTRACTOR SHALL REMOVE ALL USA MARKING, AS SOON AS THEY ARE NO LONGER NEEDED, BY USING A HIGH PRESSURE WATER METHOD ONLY. THE CITY ENCOURAGES THE USE OF CHALK PAINT WHENEVER POSSIBLE.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING AT THE CONTRACTOR'S OWN EXPENSE, ANY STRUCTURE, FENCES, WALLS OR PLANT LIFE DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATION, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE LIMIT OF WORK. THE DAMAGED ITEMS WILL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF
- 7. KEEP ALL PLANTING, PAVING AND CURB AREAS FREE FROM WEEDS, DEBRIS AND TRASH DURING THE ENTIRE DURATION OF THE CONTRACT. WEED CONTROL HERBICIDES SHALL BE APPLIED IF THE CITY DEEMS IT NECESSARY. TYPE OF HERBICIDE TO BE USED AND METHOD OF APPLICATION SHALL BE APPROVED BY THE CITY.
- THE DRIP LINES OF THE TREES SHALL NOT BE CHANGED UNLESS OTHERWISE SPECIFIED ON THE PLANS. UNNECESSARY ACTIVITIES WITHIN THE DRIP LINE SHALL BE AVOIDED. 9. THE CONTRACTOR SHALL ADJUST UTILITY BOXES TO FINISH GRADE WHEN

8. CARE SHOULD BE TAKEN WITH EXISTING TRESS TO REMAIN. GRADES WITHIN

THEY ARE ENCOUNTERED DURING EXCAVATION AND GRADING WORK WITHIN LIMIT OF WORK, COORDINATE WITH UTILITY COMPANIES AS NECESSARY TO ADJUST VAULTS TO NEW GRADES.

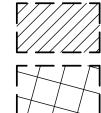
#### **GENERAL NOTES**

- 1. ALL ITEMS ARE TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- 2. SALVAGED ITEMS ARE TO BE RELOCATED TO TEMPORARY STOCKPILE & STAGING AREA DURING DEMOLITION AND REPLACED PER GRADING PLAN SHEETS C2.0 & C2.1.
- 3. ANY DAMAGE INCURRED TO ITEMS TO BE SALVAGED IS RESPONSIBILITY OF CONTRACTOR TO FIX OR REPLACE.
- 4. PROTECT ALL TREES TO REMAIN WITH PERIMETER FENCING AT CROWN OF TREE CANOPY.

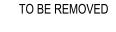
#### **LEGEND**



PHOTO LOCATION & NUMBER



TEMPORARY STOCKPILE & STAGING AREA (APPROXIMATE FOOTPRINT)





EXISTING TREE TO BE REMOVED

EXISTING FENCE TO BE REMOVED

EXISTING WALL TO BE REMOVED



DESIGN TEAM:

MATT CANO

DIRECTOR OF PUBLIC WORKS

CAPITAL OF SILICON VALLEY

City Facilities and Architectural Services

4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.155

WOOD RODGERS

**GEOTECHNICAL:** CAL ENGINEERING & GEOLOGY

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

**ENVIRONMENTAL** 

266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

### **EXISTING CONDITIONS & DEMOLITION PLAN - PLAY AREA**



PHOTO #1: EXISTING SHED & DECK



PHOTO #3: EXISTING LOG STRUCTURES



PHOTO #4: EXISTING CONCRETE RETAINING WALL

REASON FOR ISSUE CHECKED BY:

01/18/2022

CPMS ID NUMBER:

EXISTING CONDITIONS & DEMOLITION PLAN -PLAY AREA

SHEET NUMBER: 4 OF 22

C1.1 SHEET IDEN:

PHOTO #2: EXISTING PLAY STRUCTURE

#### **DEMOLITION NOTES**

- 1. THE CONTRACTOR SHALL VISIT THE PROJECT AREA PRIOR TO BIDDING TO DETERMINE THE EXACT EXTENT OF ALL SITE DEMOLITION ITEMS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
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- THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THESE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION ON THIS PROJECT (USA AT 800-227-2600). THE CONTRACTOR SHALL REMOVE ALL USA MARKING, AS SOON AS THEY ARE NO LONGER NEEDED, BY USING A HIGH PRESSURE WATER METHOD ONLY. THE CITY ENCOURAGES THE USE OF CHALK PAINT WHENEVER POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING AT THE CONTRACTOR'S OWN EXPENSE, ANY STRUCTURE, FENCES, WALLS OR PLANT LIFE DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATION, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE LIMIT OF WORK. THE DAMAGED ITEMS WILL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF
- KEEP ALL PLANTING, PAVING AND CURB AREAS FREE FROM WEEDS, DEBRIS AND TRASH DURING THE ENTIRE DURATION OF THE CONTRACT. WEED CONTROL HERBICIDES SHALL BE APPLIED IF THE CITY DEEMS IT NECESSARY. TYPE OF HERBICIDE TO BE USED AND METHOD OF APPLICATION SHALL BE APPROVED BY THE CITY.
- CARE SHOULD BE TAKEN WITH EXISTING TRESS TO REMAIN. GRADES WITHIN THE DRIP LINES OF THE TREES SHALL NOT BE CHANGED UNLESS OTHERWISE SPECIFIED ON THE PLANS. UNNECESSARY ACTIVITIES WITHIN THE DRIP LINE SHALL BE AVOIDED.
- THE CONTRACTOR SHALL ADJUST UTILITY BOXES TO FINISH GRADE WHEN THEY ARE ENCOUNTERED DURING EXCAVATION AND GRADING WORK WITHIN LIMIT OF WORK, COORDINATE WITH UTILITY COMPANIES AS NECESSARY TO ADJUST VAULTS TO NEW GRADES.

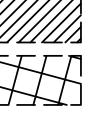
#### **GENERAL NOTES**

- 1. ALL ITEMS ARE TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. 2. SALVAGED ITEMS ARE TO BE RELOCATED TO TEMPORARY STOCKPILE & STAGING AREA DURING DEMOLITION AND REPLACED PER GRADING PLAN SHEETS C2.0 & C2.1.
- 3. ANY DAMAGE INCURRED TO ITEMS TO BE SALVAGED IS RESPONSIBILITY OF CONTRACTOR TO FIX OR REPLACE.
- 4. PROTECT ALL TREES TO REMAIN WITH PERIMETER FENCING AT CROWN OF TREE CANOPY.

#### **LEGEND**



PHOTO LOCATION & NUMBER



TEMPORARY STOCKPILE & STAGING AREA (APPROXIMATE FOOTPRINT)

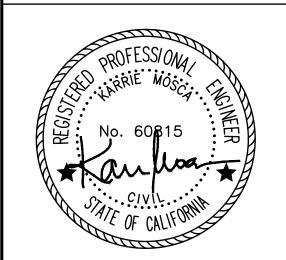
TO BE REMOVED AND PROPERLY DISPOSED



EXISTING TREE TO BE REMOVED

EXISTING WALL TO BE REMOVED





MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.155

**GEOTECHNICAL:** 

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

**ENVIRONMENTAL** 

<u> Morizon</u> 266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH

THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

# **EXISTING CONDITIONS & DEMOLITION PLAN - POOL**



PHOTO #5: EXISTING SHALLOW PLAY AREA STEPS



PHOTO #6: EXISTING NORTH POOL STONE RETAINING WALL



PHOTO #7: EXISTING NORTH POOL STONE RETAINING WALL

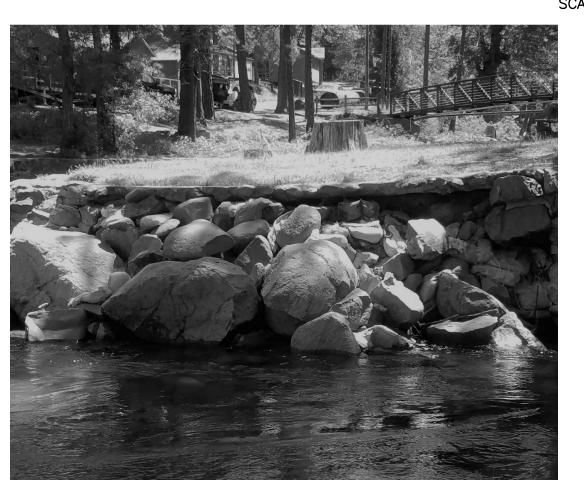


PHOTO #8: EXISTING SOUTH POOL STONE RETAINING WALL



PHOTO #9: EXISTING SOUTH POOL STONE RETAINING WALL

REV DATE REASON FOR ISSUE

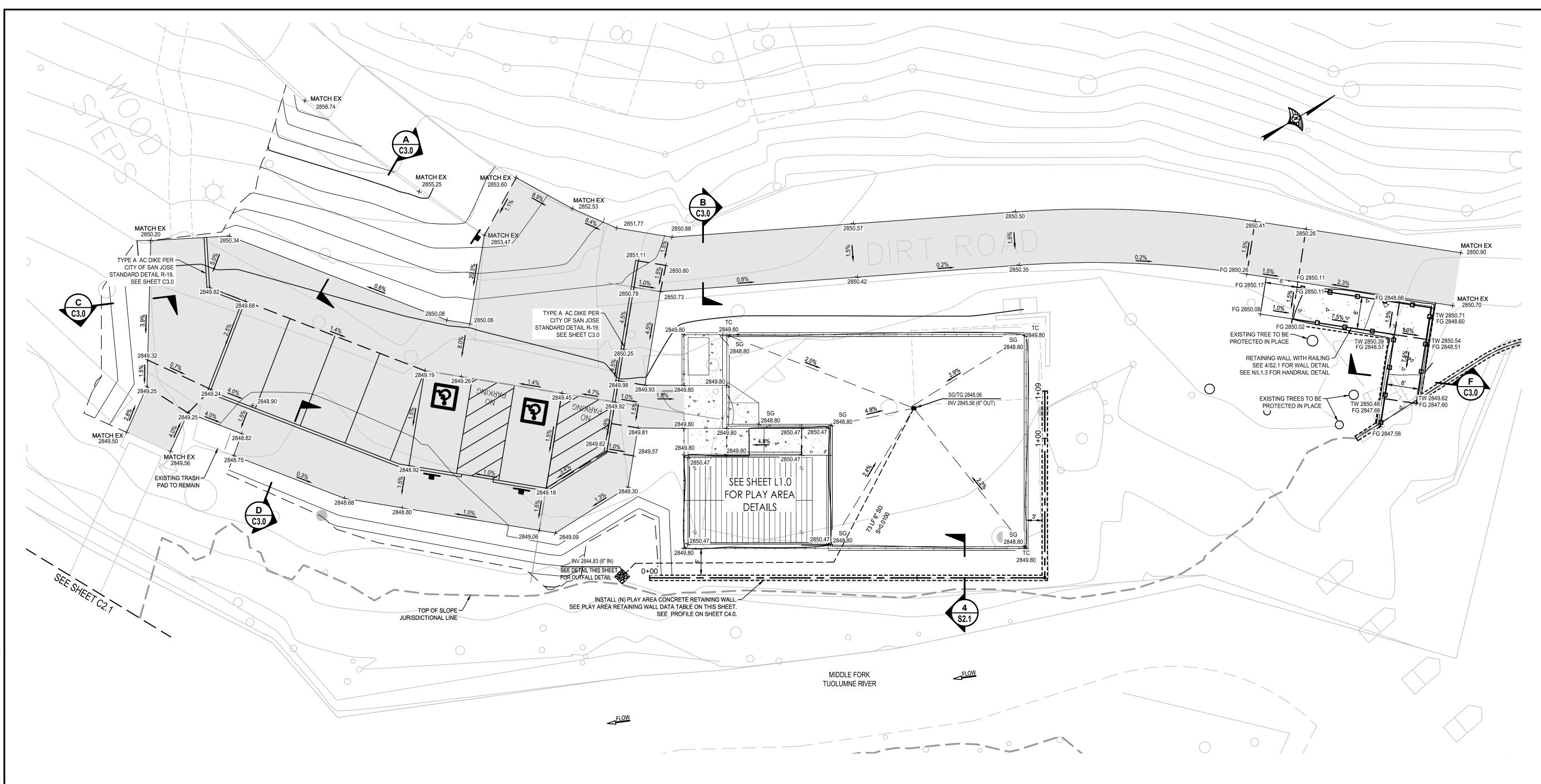
AS SHOWN CHECKED BY: 01/17/2022 SECTION MANAGER MANAGER CPMS ID NUMBER: SHEET TITLE:

**EXISTING CONDITIONS** & DEMOLITION PLAN -POOL

SHEET NUMBER: 5 OF 22

SHEET IDEN:

C1.2



# **GRADING PLAN** PARKING LOT AND POOL/PLAY AREA ACCESS

**LEGEND** 

- -----RETAINING WALL

PROPOSED DRAIN INLET PROPOSED STORM DRAIN PIPE PROPOSED SIGN

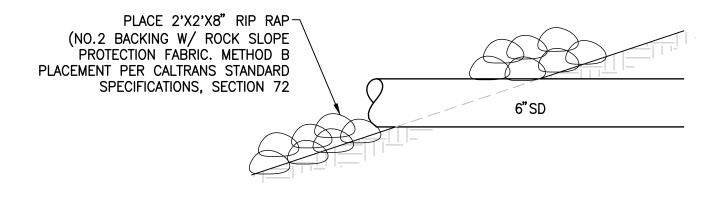
PROPOSED ASPHALT PROPOSED CONCRETE

SECTION MARKER



- 1. ALL PROPOSED RETAINING WALL LINEAR BENDS ARE 90° UNLESS OTHERWISE NOTED.
- 2. PROPOSED 1.5' DIAMETER WOOD FENCE POSTS ARE TO BE INSTALLED AT EACH CORNER OF WOOD FENCE AND EVERY 8' ON CENTER ALONG FENCE.

PLAY AREA RETAINING WALL DATA TABLE							
LINE#	LENGTH (FT)	BEARING / DELTA	RADIUS (FT)				
L1	73.91	N30° 56' 55.30"E					
L2	34.94	N59° 03' 04.70"W					



**OUTFALL DETAIL** 

SCALE:1"= 10'





MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

ENVIRONMENTAL:

266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH, THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

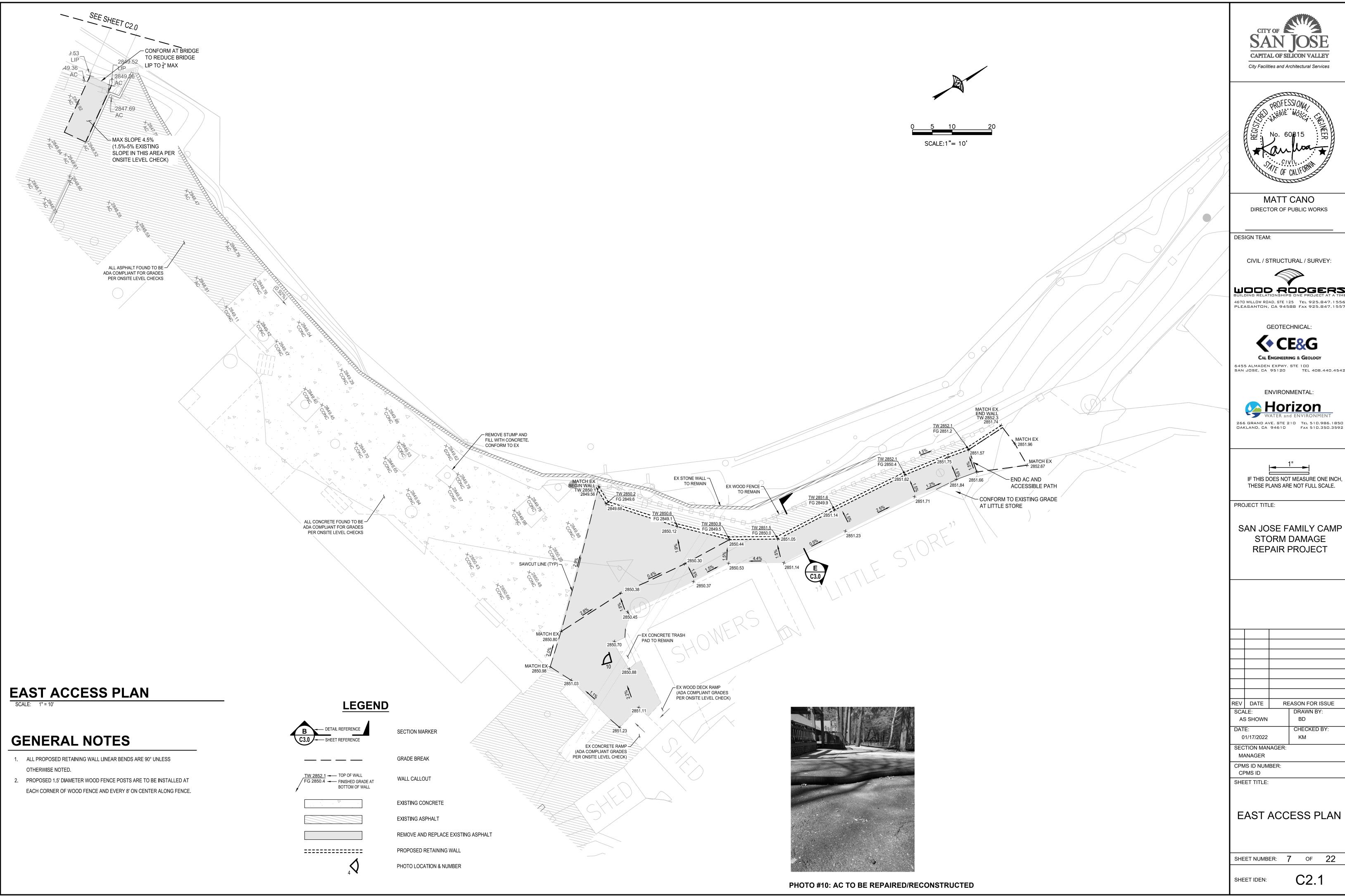
EV	DATE	RE	ASON FOR ISSUE		
SCA	LE:		DRAWN BY:		
AS	SHOWN		BD		
DAT	E:		CHECKED BY:		

01/17/2022 CPMS ID NUMBER:

**GRADING PLAN** PARKING LOT AND POOL/PLAY AREA ACCESS

SHEET NUMBER: 6 OF 22

C2.0







MATT CANO

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

CAL ENGINEERING & GEOLOGY

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

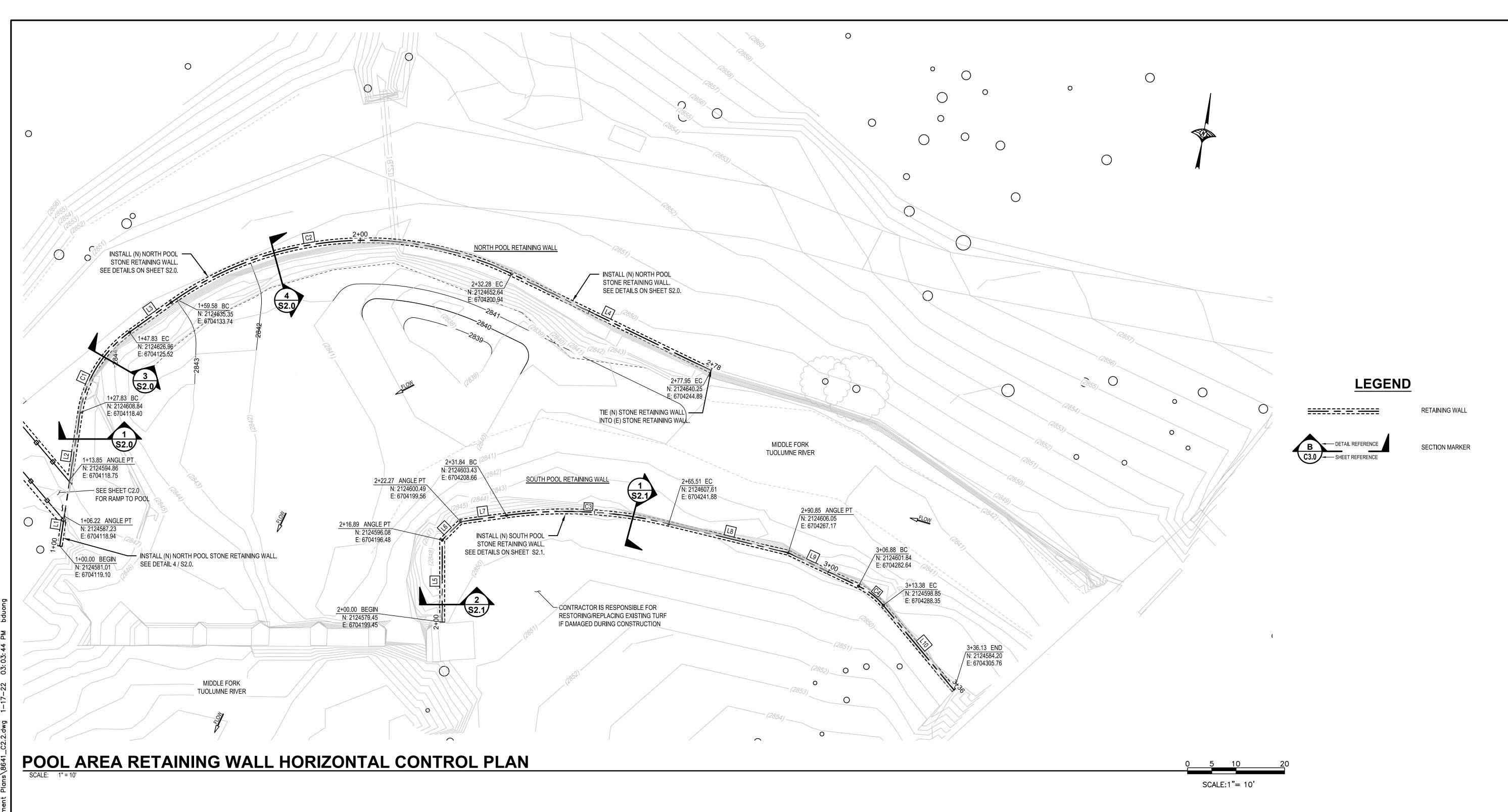
SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REASON FOR ISSUE CHECKED BY:

EAST ACCESS PLAN

SHEET NUMBER: 7 OF 22

C2.1







MATT CANO
DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
4670 WILLOW ROAD, STE 125 TEL 925.847.1556
PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

CAL ENGINEERING & GEOLOGY

6455 ALMADEN EXPWY. STE 100

SAN JOSE, CA 95120 TEL 408.440.4542

ENVIRONMENTAL:

HORIZON
WATER and ENVIRONMENT

266 GRAND AVE. STE 210
DAKLAND, CA 94610
FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH,
THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

DATE	RE	ASON FOR ISSUE
_E:		DRAWN BY:
SHOWN		BD
<b>:</b> .		CHECKED BY

DATE: CHECKED BY: 01/17/2022 KM
SECTION MANAGER: MANAGER

MANAGER

CPMS ID NUMBER:

CPMS ID NOMBER:
CPMS ID
SHEET TITLE:

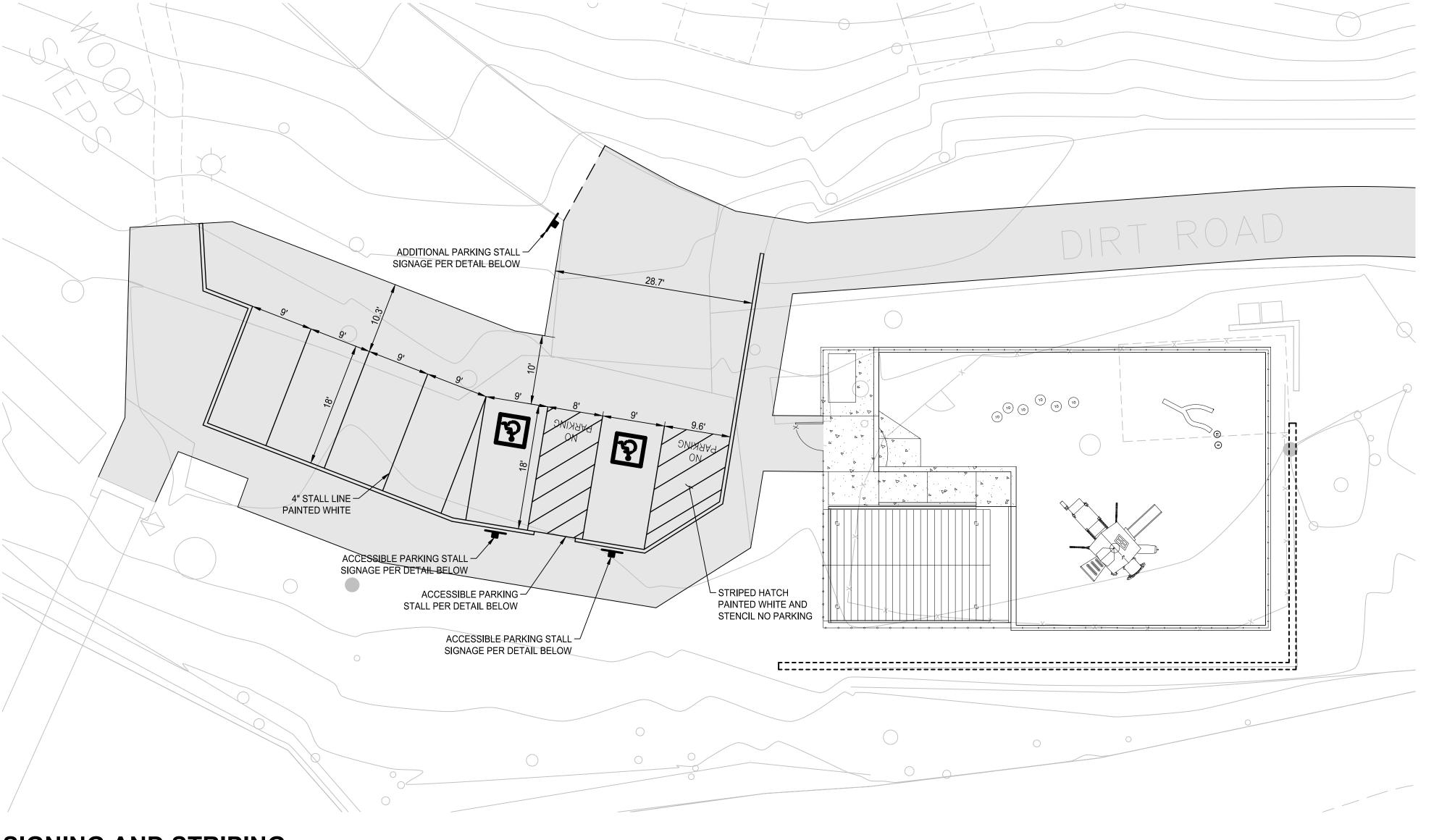
POOL AREA
RETAINING WALL
HORIZONTAL
CONTROL PLAN

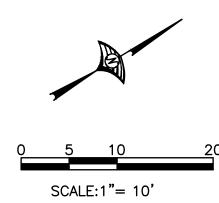
SHEET NUMBER: 8 OF 22

SHEET IDEN: C2.2

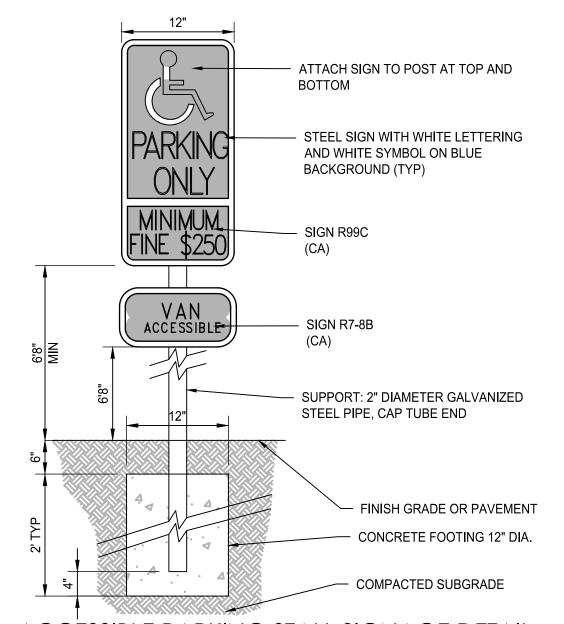
NORTH POOL RETAINING WALL DATA TABLE							
LINE#/ CURVE#	LENGTH (FT)	RADIUS (FT)					
C1	20.00	45°50'11.84"	25.00				
C2	73.89	61°21'21.92"	69.00				
L1	6.22	N1° 26' 47.92"W	-				
L2	13.98	N1° 26' 47.92"W	-				
L3	10.56	N44° 23' 23.77"E	-				
L4	45.67	S74° 15' 14.31"E	-				

SOUTH POOL RETAINING WALL DATA TABLE								
LINE # / CURVE #	LENGTH (FT)	BEARING / DELTA	RADIU: (FT)					
C3	33.68	21°26'21.15"	90.00					
C4	6.50	24°49'08.31"	15.00					
L5	16.89	N10° 07' 41.67"W	-					
L6	5.38	N34° 52' 12.62"E	-					
L7	9.56	N72° 05' 58.17"E	-					
L8	25.34	S86° 27' 40.67"E						
L9	16.03	S74° 45' 49.83"E	ı					
L10	22.75	S49° 56' 41.52"E	-					





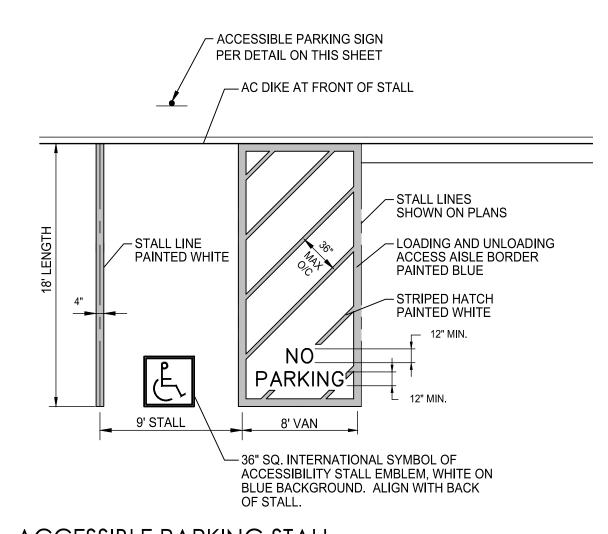
# SIGNING AND STRIPING



#### ACCESSIBLE PARKING STALL SIGNAGE DETAIL

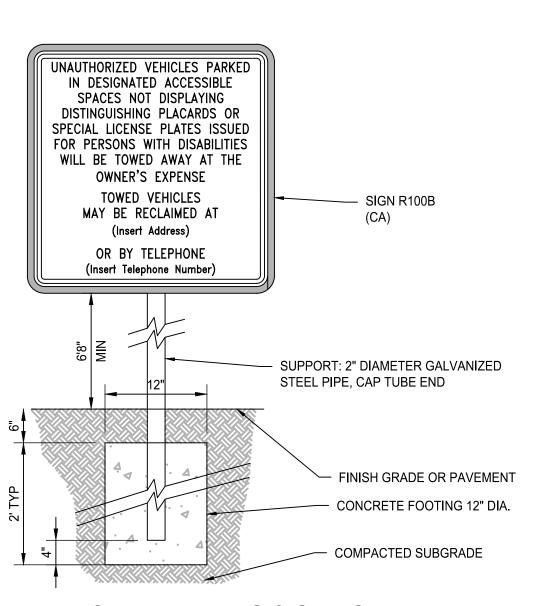
#### SIGN PAINTING NOTE

ALL SIGN POSTS AND SIGN BACKS SHALL BE PAINTED BROWN, EQUIVALENT TO RAL 8014 OR RAL 8022 TO MATCH SITE LIGHTING COLOR AS PROVIDED BY LIGHTING MANUFACTURER. CONTRACTOR SHALL SUBMIT COLOR SAMPLES AT TIME OF PAINTING FOR APPROVAL BY LANDSCAPE ARCHITECT. REFER TO LANDSCAPE AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.



## ACCESSIBLE PARKING STALL

NOTE
ALL ACCESSIBILITY SYMBOLS, STRIPING, AND SIGNAGE SHALL BE INSTALLED AS REQUIRED BY CURRENT COUNTY OF TUOLOMNE, CBC, AND A.D.A. STANDARDS.



#### ADDITIONAL PARKING SIGNAGE DETAIL

#### SIGN PAINTING NOTE

ALL SIGN POSTS AND SIGN BACKS SHALL BE PAINTED BROWN, EQUIVALENT TO RAL 8014 OR RAL 8022 TO MATCH SITE LIGHTING COLOR AS PROVIDED BY LIGHTING MANUFACTURER. CONTRACTOR SHALL SUBMIT COLOR SAMPLES AT TIME OF PAINTING FOR APPROVAL BY LANDSCAPE ARCHITECT. REFER TO LANDSCAPE AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.





MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:



GEOTECHNICAL:

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

ENVIRONMENTAL:



IF THIS DOES NOT MEASURE ONE INCH,

THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REV DATE REASON FOR ISSUE SCALE: DRAWN BY: AS SHOWN CHECKED BY: 01/17/2022

MANAGER CPMS ID NUMBER: CPMS ID SHEET TITLE:

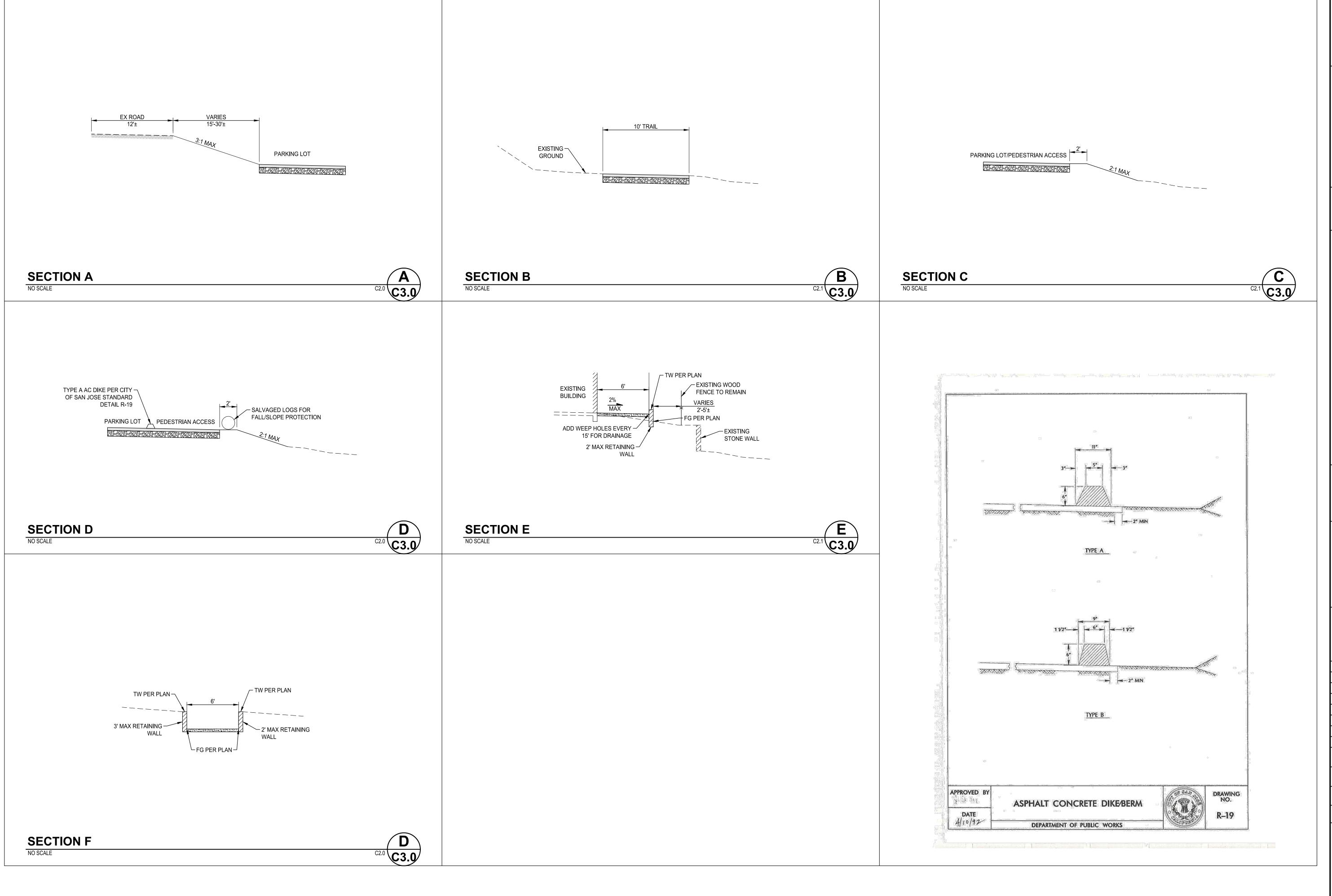
SECTION MANAGER:

SIGNING AND STRIPING

SHEET NUMBER: 9 OF 22

SHEET IDEN:

C2.3



CAPITAL OF SILICON VALLEY City Facilities and Architectural Services



MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

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**ENVIRONMENTAL:** 

266 GRAND AVE. STE 210 TEL 510.986.1850
0AKLAND, CA 94610 FAX 510.350.3592

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PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REV DATE REASON FOR ISSUE AS SHOWN

CHECKED BY: 01/17/2022 MANAGER CPMS ID NUMBER:

CPMS ID

SHEET TITLE: GRADING DETAILS

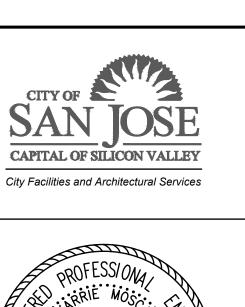
AND SECTIONS

SHEET NUMBER: 10 OF 22

C3.0 SHEET IDEN:

**GRADING DETAILS AND SECTIONS** 

SCALE:1"= 10'





DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

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GEOTECHNICAL:

CAL ENGINEERING & GEOLOGY 6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

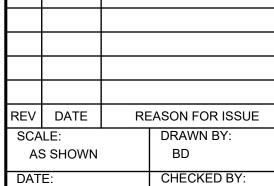
ENVIRONMENTAL:

Horizon
WATER AND ENVIRONMENT 266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH, THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT



01/17/2022 SECTION MANAGER:

CPMS ID NUMBER: SHEET TITLE:

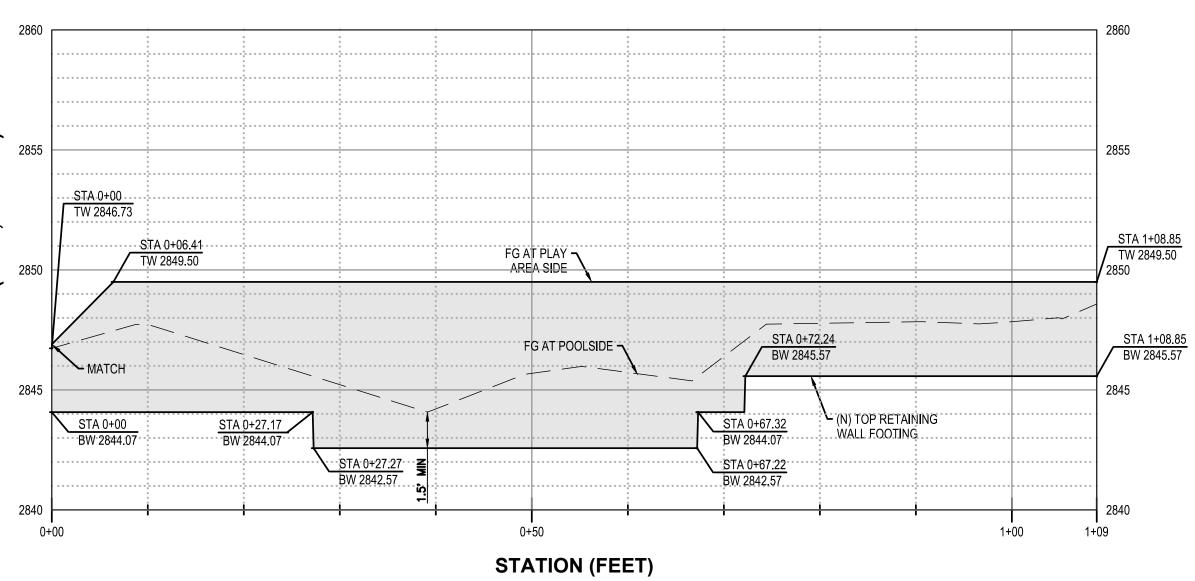
SCALE (HOR):1"=10'

SCALE (VER):1"= 4'

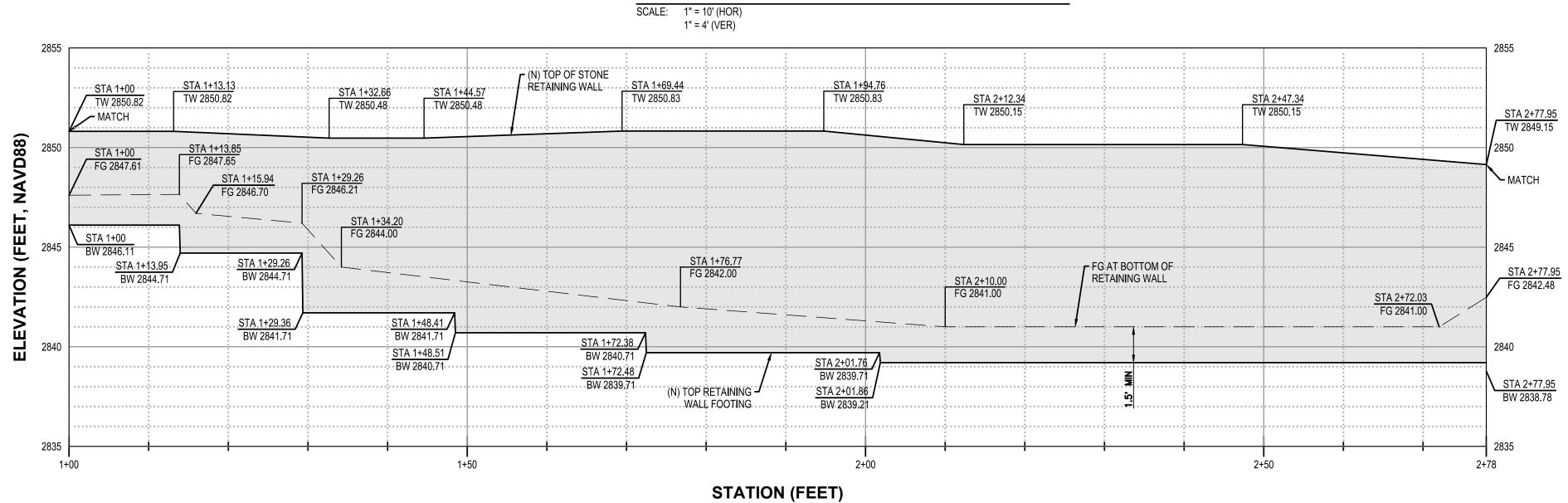
**RETAINING WALL ELEVATIONS** 

SHEET NUMBER: 11 OF 22

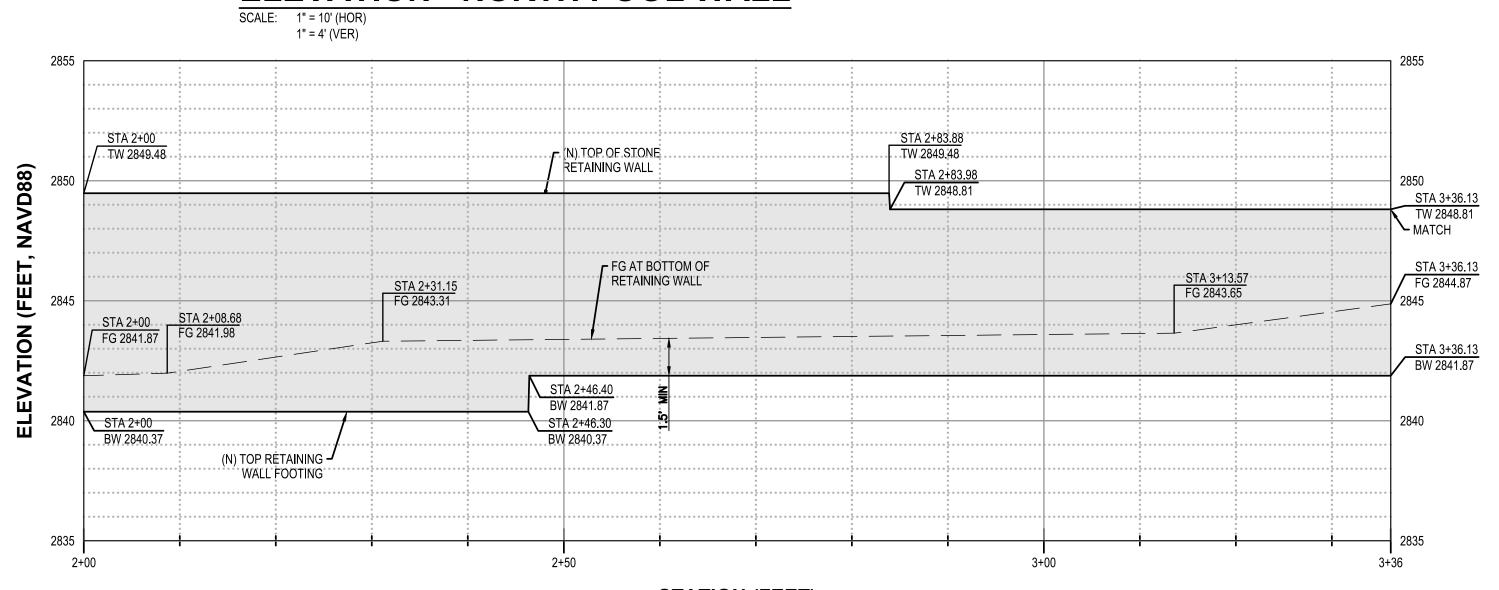
C4.0 SHEET IDEN:



# **ELEVATION - PLAY AREA WALL**



# **ELEVATION - NORTH POOL WALL**



# **ELEVATION - SOUTH POOL WALL**

**RETAINING WALL ELEVATIONS** 

STATION (FEET)

SCALE: 1" = 10' (HOR) 1" = 4' (VER)

THE FOLLOWING STEPS SHALL BE TAKEN TO MINIMIZE RISK:

TEMPORARY STORAGE AREA SHALL BE LOCATED AWAY FROM VEHICULAR TRAFFIC.

MATERIAL DELIVERY AND STORAGE

- MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE SUPPLIED FOR ALL MATERIALS STORED.
- ALL MATERIAL DELIVERY AND STORAGE SHALL TAKE PLACE WITHIN THE DESIGNATED AREA.

4. STORAGE OF REACTIVE, IGNITABLE, OR FLAMMABLE LIQUIDS MUST COMPLY WITH THE LOCAL

- AN UP TO DATE INVENTORY OF MATERIALS DELIVERED AND STORED ONSITE SHALL BE KEPT. FIRE CODES.
- HAZARDOUS MATERIALS STORAGE ONSITE SHALL BE MINIMIZED.
- HAZARDOUS MATERIALS SHALL BE HANDLED AS INFREQUENTLY AS POSSIBLE.
- DURING THE RAINY SEASON, MATERIALS SHALL BE STORED IN A COVERED AREA. STORE MATERIALS IN SECONDARY CONTAINMENTS SUCH AS EARTHEN DIKE, HORSE TROUGH, OR EVEN A CHILDREN'S WADING POOL FOR NON REACTIVE MATERIALS SUCH AS DETERGENTS, OIL, GREASE, AND PAINTS. SMALL AMOUNTS OF MATERIAL MAY BE SECONDARILY CONTAINED IN "BUS BOY" TRAYS OR CONCRETE MIXING TRAYS.
- DO NOT STORE CHEMICALS, DRUMS, OR BAGGED MATERIALS DIRECTLY ON THE GROUND. PLACE THESE ITEMS ON A PALLET AND, WHEN POSSIBLE, IN SECONDARY CONTAINMENT.
- 10. IF DRUMS MUST BE KEPT UNCOVERED, USE DOMED PLASTIC COVERS OR STORE THEM AT A SLIGHT ANGLE TO REDUCE PONDING OF RAINWATER ON THE LIDS TO REDUCE CORROSION.
- 11. CHEMICALS SHALL BE KEPT IN THEIR ORIGINAL LABELED CONTAINERS.
- EMPLOYEES AND SUBCONTRACTORS SHALL BE TRAINED ON THE PROPER MATERIAL DELIVERY AND STORAGE PRACTICES.
- EMPLOYEES TRAINED IN EMERGENCY SPILL CLEANUP PROCEDURES MUST BE PRESENT WHEN DANGEROUS MATERIALS OR LIQUID CHEMICALS ARE UNLOADED.

#### MATERIAL STORAGE AREAS AND PRACTICES

- LIQUIDS, PETROLEUM PRODUCTS, AND SUBSTANCES LISTED IN 40 CFR PARTS 110, 117, OR 302 SHALL BE STORED IN APPROVED CONTAINERS AND DRUMS AND SHALL NOT BE OVERFILLED. CONTAINERS AND DRUMS SHALL BE PLACED IN TEMPORARY CONTAINMENT FACILITIES FOR STORAGE.
- A TEMPORARY CONTAINMENT FACILITY SHALL PROVIDE FOR A SPILL CONTAINMENT VOLUME ABLE TO CONTAIN PRECIPITATION FROM A 25 YEAR STORM EVENT, PLUS THE GREATER OF 10% OF THE AGGREGATE VOLUME OF ALL CONTAINERS OR 100 % OF THE CAPACITY OF THE LARGEST CONTAINER WITHIN ITS BOUNDARY, WHICHEVER IS GREATER.
- A TEMPORARY CONTAINMENT FACILITY SHALL BE IMPERVIOUS TO THE MATERIALS STORED THEREIN FOR A MINIMUM CONTACT TIME OF 72 HOURS.
- 4. A TEMPORARY CONTAINMENT FACILITY SHALL BE MAINTAINED FREE OF ACCUMULATED RAINWATER AND SPILLS. IN THE EVENT OF SPILLS OR LEAKS, ACCUMULATED RAINWATER AND SPILLS SHALL BE COLLECTED AND PLACED INTO DRUMS. THESE LIQUIDS SHALL BE HANDLED AS A HAZARDOUS WASTE UNLESS TESTING DETERMINES THEM TO BE NON-HAZARDOUS. ALL COLLECTED LIQUIDS OR NON-HAZARDOUS LIQUIDS SHALL BE SENT TO AN APPROVED DISPOSAL
- SUFFICIENT SEPARATION SHALL BE PROVIDED BETWEEN STORED CONTAINERS TO ALLOW FOR SPILL CLEANUP AND EMERGENCY RESPONSE ACCESS.
- INCOMPATIBLE MATERIALS, SUCH AS CHLORINE AND AMMONIA, SHALL NOT BE STORED IN THE SAME TEMPORARY CONTAINMENT FACILITY.
- THROUGHOUT THE RAINY SEASON, EACH TEMPORARY CONTAINMENT FACILITY SHALL BE COVERED DURING NON-WORKING DAYS, PRIOR TO, AND DURING RAIN EVENTS.
- MATERIALS SHALL BE STORED IN THEIR ORIGINAL CONTAINERS AND THE ORIGINAL PRODUCT LABELS SHALL BE MAINTAINED IN PLACE IN A LEGIBLE CONDITION. DAMAGED OR OTHERWISE ILLEGIBLE LABELS SHALL BE REPLACED IMMEDIATELY.
- BAGGED AND BOXED MATERIALS SHALL BE STORED ON PALLETS AND SHALL NOT BE ALLOWED TO ACCUMULATE ON THE GROUND. TO PROVIDE PROTECTION FROM WIND AND RAIN THROUGHOUT THE RAINY SEASON, BAGGED AND BOXED MATERIALS SHALL BE COVERED DURING NON-WORKING DAYS AND PRIOR TO AND DURING RAIN EVENTS.
- PROPER STORAGE INSTRUCTIONS SHALL BE POSTED AT ALL TIMES IN AN OPEN AND CONSPICUOUS LOCATION.
- AN AMPLE SUPPLY OF APPROPRIATE SPILL CLEAN UP MATERIAL SHALL BE KEPT NEAR STORAGE

#### VEHICLE AND EQUIPMENT CLEANING, FUELING, AND MAINTENANCE NOTES

- THE CONTRACTOR SHALL PERFORM ALL CLEANING OFF SITE OR CONTRACT WITH EITHER AN OFFSITE OR MOBILE COMMERCIAL WASHING BUSINESS FOR ALL NECESSARY CLEANING.
- THE CONTRACTOR SHALL USE OFFSITE FUELING STATIONS AND REPAIR SITES AS MUCH AS POSSIBLE.
- THE CONTRACTOR SHALL DISCOURAGE "TOPPING-OFF" OF FUEL TANKS.
- THE CONTRACTOR SHALL MAKE AVAILABLE ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS IN FUELING AREAS AND ON FUELING TRUCKS.
- THE CONTRACTOR SHALL USE DRIP PANS OR ABSORBENT PADS DURING VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE WORK THAT INVOLVES FLUIDS.

- 6. THE CONTRACTOR SHALL USE ABSORBENT MATERIALS EVEN ON SMALL SPILLS. DO NOT HOSE DOWN OR BURY THE SPILL.
- 7. THE CONTRACTOR SHALL REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.
- 8. FUELING AND MAINTENANCE SHALL TAKE PLACE ONLY IN THE DESIGNATED AREA. THE CONTRACTOR SHALL AVOID MOBILE FUELING AND MAINTENANCE OF MOBILE CONSTRUCTION EQUIPMENT AROUND THE SITE; RATHER, TRANSPORT THE EQUIPMENT TO DESIGNATED AREA.
- 9. THE CONTRACTOR SHALL TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING, MAINTENANCE, AND SPILL CLEANUP PROCEDURES.
- 10. FUELING AND MAINTENANCE SHALL BE PERFORMED ON LEVEL-GRADE AREAS.
- 11. THE CONTRACTOR SHALL PROTECT FUELING AND MAINTENANCE AREAS WITH BERMS AND DIKES TO PREVENT RUNON, RUNOFF, AND TO CONTAIN SPILLS.
- 12. NOZZLES USED IN VEHICLE AND EQUIPMENT FUELING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIPS. FUELING OPERATIONS SHALL NOT BE LEFT UNATTENDED.
- 13. THE CONTRACTOR SHALL OBSERVE FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ANY STATIONARY ABOVE GROUND STORAGE TANKS.
- 14. THE CONTRACTOR SHALL INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY. KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD-UP OF OIL AND GREASE.
- 15. THE CONTRACTOR SHALL SEGREGATE AND RECYCLE WASTES, SUCH AS GREASES, USED OIL OR OIL FILTERS, ANTIFREEZE, CLEANING SOLUTIONS, AUTOMOTIVE BATTERIES, HYDRAULIC AND TRANSMISSION FLUIDS. PROVIDE SECONDARY CONTAINMENT AND COVERS FOR THESE MATERIALS IF STORED ONSITE.
- 16. THE CONTRACTOR SHALL PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, BATTERIES, AND SPILL CLEANUP MATERIALS.

#### MATERIAL DELIVERY PRACTICES

- 1. THE CONTRACTOR SHALL KEEP AN ACCURATE, UP-TO-DATE INVENTORY OF MATERIAL DELIVERED AND STORED ONSITE.
- THE CONTRACTOR SHALL ARRANGE FOR EMPLOYEES TRAINED IN EMERGENCY SPILL CLEANUP PROCEDURES TO BE PRESENT WHEN DANGEROUS MATERIALS OR LIQUID CHEMICALS ARE

#### SPILL CLEANUP

- 1. THE CONTRACTOR SHALL CONTAIN AND CLEAN UP ANY SPILL IMMEDIATELY.
- THE CONTRACTOR SHALL PROPERLY REMOVE AND DISPOSE OF ANY HAZARDOUS MATERIALS OR CONTAMINATED SOIL IF SIGNIFICANT RESIDUAL MATERIALS REMAIN ON THE GROUND AFTER CONSTRUCTION IS COMPLETE.

#### BMP INSTALLATION SCHEDULE

-AT THE START OF CLEARING OPERATIONS PERIMETER CONTROLS, WHERE NECESSARY, AND STABILIZED SITE ACCESS SHALL BE INSTALLED.

-UPON COMPLETION OF ROUGH GRADING STABILIZATION OF RIGHT-OF-WAY BUFFERS AND SLOPES SHALL BE DONE.

-UPON COMPLETION OF DRAIN INLETS AND STREETS, INLET FILTERS AND STRAW WATTLE AT BACK OF SIDEWALK SHALL BE PLACED.

-ALL WET SEASON BMPS TO BE IN PLACE PRIOR TO ANY STORM EVENT.

#### EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CITY OF NOVATO IMPROVEMENT STANDARDS, CURRENT EDITION. AND THE CITY OF NOVATO EROSION AND SEDIMENT CONTROL GUIDELINES, CURRENT EDITION AND THE PROJECT SWPPP.
- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 15). SEDIMENT CONTROL BMPs SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
- ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, YEAR ROUND. INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE PUBLIC IMPROVEMENTS BY THE
- ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER DETAIL ON SHEET EC02 WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
- ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (FROM OCTOBER 1 THROUGH APRIL 15). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION METHOD.

PHASE OF	EROSION AND SEDIMENT CONTROL MEASURES - INSTALLATION SCHEDULE															
CONSTRUCTION			WET SEASON									DRY SEASON				
	HYDROSEEDING/ MULCHING	SOIL BINDERS	PRESERVATION OF EX VEGETATION	BLANKETS, MATS & GEOTEXTILES	SEDIMENT TRAP	TEMP BERMS	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION
PRE-CONST			Х												Х	Х
CUT & FILL ACTIVITIES			х					Х						х	Х	Х
UNDERGROUND WORK	Х		Х					х						х	Х	Х
STORM DRAIN IMPROVEMENTS	X		х					Х						х	х	Х
STREET IMPROVEMENTS	Х		х					х				Х		Х	х	Х
PAVE OUT	Х		х				Х			Х		Х		Х	Х	Х
POST-CONST	Х		х				Х			Х		Х		Х	Х	Х
MAINTENANCE	(1)	(1)	(1)	(1)	(1)		(1)	(2)	(4)	(1)	(1)	(1)		(2)	(3)	(3)

- (1) INSPECT EVERY OTHER WEEK AND/OR BEFORE, DURING & AFTER STORM EVENT, MAINTAIN AS NEEDED.
- (2) ONGOING DURING CONSTRUCTION
- (3) INSPECT ON A DAILY BASIS DURING CONSTRUCTION AND/OR BEFORE, DURING & AFTER STORM EVENT.
- (4) INSPECT AND MAINTAIN AS NECESSARY PRIOR TO DEWATERING OPERATION

- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMPs SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- SEDIMENT CONTROL BMPs SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMPs SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE
- THE FOLLOWING AREAS ARE TO RECEIVE HYDROSEEDING:
  - A. ALL AREAS WHERE EXISTING VEGETATION HAS BEEN REMOVED OR DISTURBED DUE TO BULK GRADING OR RELATED ACTIVITIES.
- EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW BY STATE AND LOCAL INSPECTORS.
- PRIOR TO A RAIN EVENT, OR IF AN AREA WILL NOT BE ACTIVELY WORKED ON WITHIN 14 DAYS, ALL DISTURBED OR EXPOSED SOILS SHALL BE PROTECTED, AT A MINIMUM, WITH A HYDROSEED/STRAW MULCH TACKIFIER 3-STEP APPLICATION. FIRST, A LAYER OF HYDROSEED CONSISTING OF NATIVE GRASSES OR TURF SEED WITH FERTILIZER SHALL BE EVENLY DISTRIBUTED ON DISTURBED AREA. THEN. APPLY A LAYER OF STRAW MULCH OVER THE HYDROSEED. APPLY TACKIFIER ON STRAW MULCH TO HOLD MULCH IN PLACE, THIS IS A MINIMUM GUIDE ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND INSTALLING THE APPROPRIATE LEVEL OF EROSION AND SEDIMENT CONTROL.

HYDROSEED APPLICATION PER ACRE

1800-2000 LBS. WOOD CELLULOSE FIBER

• 100 LBS. M BINDER (OR EQUIVALENT)

400 LBS. ORGANIC FERTILIZER

10 LBS. BLANDO BROME

10 LBS. CRIMSON CLOVER

FILTER FABRIC

4 INCH (100 MM)

- FILTER FABRIC

COMPACTED

6 INCH

(150 MM)

SECTION A-A

SOIL 4" (100 MM)

ABOVE GROUND

FABRIC TRENCH

(450 MM)

(100 MM)

5 LBS. ZORRO

25 LBS. RYE

6 FEET

(2 METERS) MAX.

FRONT VIEW

2" X 2" (50 X 50 MM)

FORM STAKE -

18 INCHES

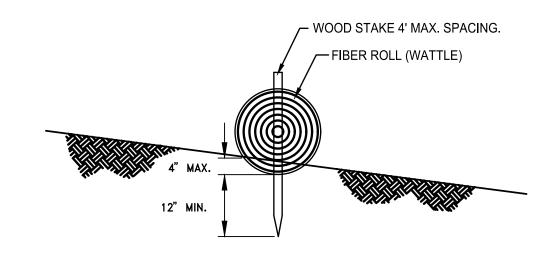
(450 MM)

(300 MM)

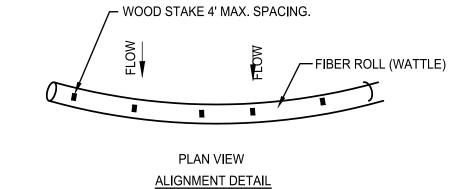
(12")

MIN.

WOOD POST OR STEEL

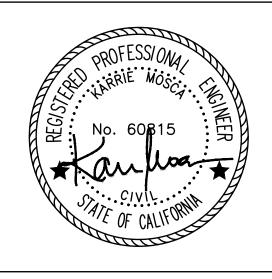


**PROFILE VIEW** EMBEDMENT DETAIL



FIBER ROLL (WATTLE) INSTALLATION DETAIL

**CAPITAL OF SILICON VALLEY** City Facilities and Architectural Services



MATT CANO DIRECTOR OF PUBLIC WORKS

**DESIGN TEAM:** 

CIVIL / STRUCTURAL / SURVEY

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ENVIRONMENTAL

266 GRAND AVE. STE 210 TEL 510.986.1850 DAKLAND, GA 94610 FAX 510.350.3592

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REV DATE REASON FOR ISSUE SCALE: DRAWN BY:

BD

CHECKED BY: 01/17/2022 SECTION MANAGER MANAGER

AS SHOWN

CPMS ID NUMBER: CPMS ID SHEET TITLE:

**EROSION CONTROL** NOTES AND DETAILS

SHEET NUMBER: 12 OF 22

SHEET IDEN:

C5.0

N.T.S.

SILT FENCE DETAIL

1. SILT FENCE SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE

EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR. THE

EXPRESSED AS A RATIO.

OPENING SIZE OF 70.

OF THE FILTER FABRIC.

TIES SPACED A MAXIMUM OF 6 INCHES APART.

MAXIMUM DISTANCE BETWEEN SILT FENCES SHALL BE 4.5 METERS X THE SLOPE

FILTER FABRIC SHALL BE PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN

PERCENT MAXIMUM ELONGATION AND CONTAINING ULTRAVIOLET INHIBITORS.

WEIGHT, BASED ON SIEVE ANALYSIS, BUT IS NOT FINER THAN AN EQUIVALENT

SUPPORT POSTS SHALL BE A MINIMUM 30 INCHES LONG 2 INCH X 2 INCH WOOD

POSTS OR STEEL FORM STAKES DRIVEN WITH A MINIMUM OF 12 INCH INTO THE GROUND. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART. FABRIC SHALL

BE SECURELY FASTENED TO POSTS WITH 1/2 INCH STAPLES OR 16 GAUGE WIRE

A 4 INCH FABRIC TRENCH SHALL BE EXCAVATED ALONG THE UPHILL SIDE OF SILT

ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACK FILLED TO 4

INCHES ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM

CONTRACTOR SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO

DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL

BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER

FENCE POSTS. THE BOTTOM EDGE OF THE FABRIC SHALL EXTEND TO AND

WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINEAR FOOT AT 20

FILTER FABRIC SHALL RETAIN A MINIMUM OF 85 PERCENT OF THE SOIL, BY



266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592





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SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

DATE	RE	ASON FOR ISSUE
LE:		DRAWN BY:
SHOWN		BD
=-		CHECKED BY:

SECTION MANAGER:

MANAGER

CPMS ID NUMBER: CPMS ID SHEET TITLE:

**EROSION CONTROL** PLAN

SHEET NUMBER: 14 OF 22

SHEET IDEN:

C5.2

PICNIC TABLE, BY OWNER, 5% OF SEATING SPACES SHALL BE

BALANCE LOG, BY LANDSCAPE STRUCTURES INC. PROVIDED BY

ROSS RECREATION, CONTACT: ALEX HAILY • 707-538-3800. OR

REFERENCE NOTES SCHEDULE

<u>SYMBOL</u>

13

**DESCRIPTION** 

ACCESSIBLE.

APPROVED EQUAL.

PLAY AREA TRANSITION RAMP

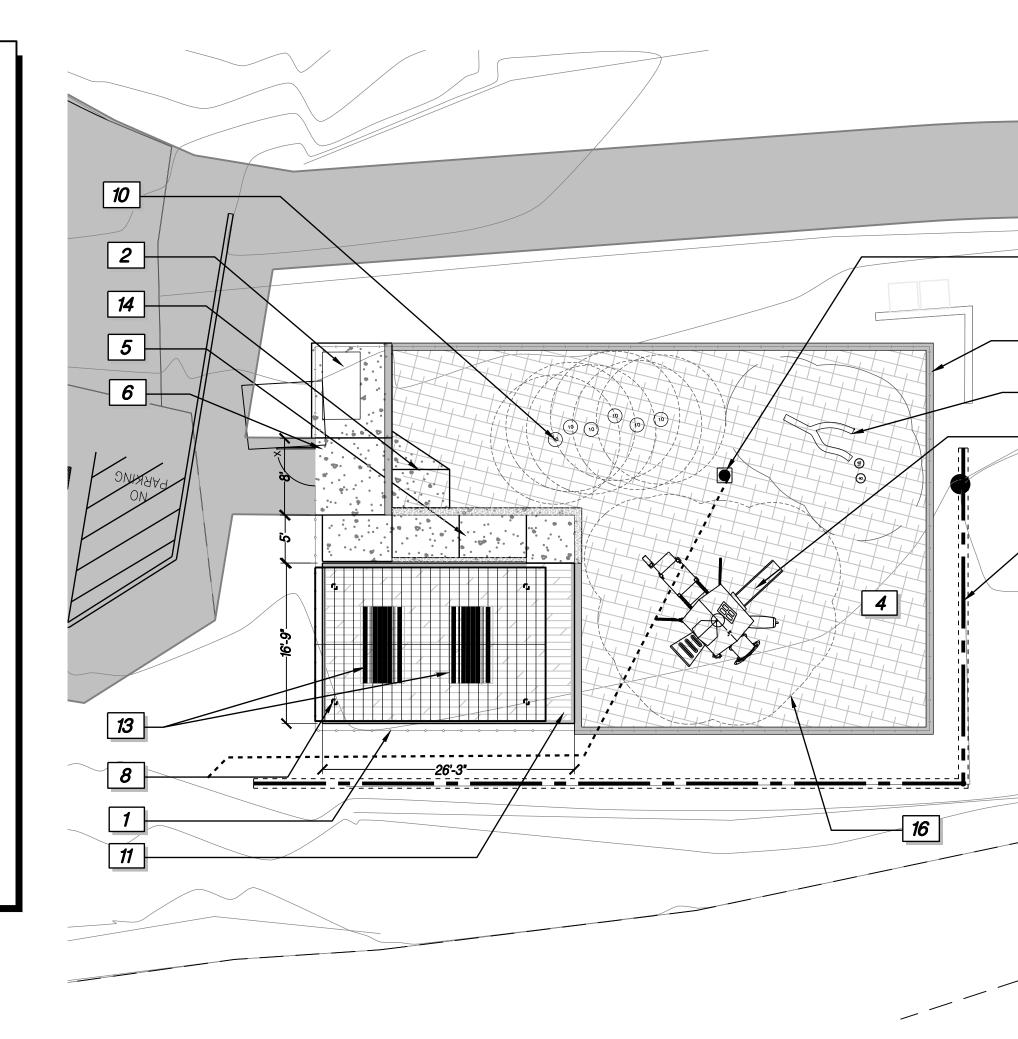
TYPICAL FALL SAFETY ZONE.

<u>DETAIL</u>

A/L1.0

C/L1.0

FINISH GRADE



#### GENERAL NOTES

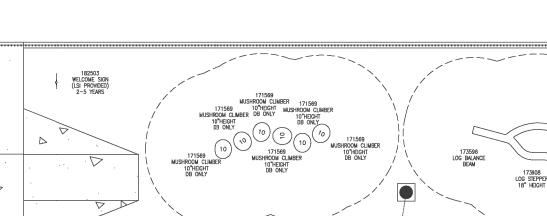
- WORK SHALL CONFORM TO THESE PLANS AND THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 2. ALL WORK SHALL BE PERFORMED BY A LICENSED LANDSCAPE CONTRACTOR.
- 3. ALL ROADS USED BY CONSTRUCTION TRAFFIC SHALL BE KEPT CLEAN AND FREE OF DEBRIS. ANY ROADS THAT DO NOT MEET THESE REQUIREMENTS ARE SUBJECT TO FINES AS PER LOCAL CODES.
- ANY EXISTING FACILITIES SHOWN ON THESE PLANS ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND STAKING ALL SEWER, UTILITY AND WATER MAIN LINES PRIOR TO THE START OF WORK. CONTACT USA ALERT AT 1.800.642.2444 TO AND ALL NECESSARY UTILITY AGENCIES TO IDENTIFY AND LOCATE UNDERGROUND UTILITIES. ALL AREAS TO BE EXCAVATED SHALL BE MARKED WITH WHITE PAINT PRIOR TO CONTACTING USA.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING, SITE LAYOUT AND DIMENSIONS TO CONSTRUCT THE WORK AS DESCRIBED IN THESE PLANS.
- 6. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, FENCES, HARDSCAPE AND OTHER EXISTING STRUCTURES. ANY EXISTING ITEMS NOT SPECIFICALLY NOTED ON THE PLANS FOR REMOVAL SHALL BE PROTECTED IN PLACE. ALL EXISTING ITEMS TO REMAIN THAT ARE DAMAGED BY THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION CONTROL AT ALL TIMES. THE CONTRACTOR MUST TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY DAMAGE, WATER AND/OR SEDIMENT RUN-OFF. CONTRACTOR SHALL ASSURE THAT ANY DEBRIS GENERATED FROM THE WORK DESCRIBED IN THIS PLAN SET IS COLLECTED AND LEGALLY DISPOSED OF OFF THE SITE.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINE GRADING AND POSITIVE SURFACE GRADING IN ALL LANDSCAPE AREAS. THE CONTRACTOR SHALL VERIFY ALL ROUGH GRADES IN THE FIELD AND BRING ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY.
- 9. THE CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE LANDSCAPE ARCHITECT AND THE CITY INSPECTOR A MINIMUM OF ONE WEEK PRIOR TO THE START OF WORK. CONTRACTOR MUST COORDINATE THE PRE-CONSTRUCTION MEETING DATE WITH THE LANDSCAPE ARCHITECT AND CITY INSPECTOR A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE MEETING
- 10. ANY EXISTING HARDSCAPE (CONCRETE, ASPHALT, ETC.) SHALL BE SAW CUT AND REMOVED IN A NEAT AND STRAIGHT LINE.
- 11. ALL CONCRETE SHALL BE A 6 SACK MIX.
- 12. COMPACTION OF BACKFILL BY METHOD OF "JETTING" SHALL NOT BE PERMITTED.
- 13. ALL ENGINES USED FOR CONSTRUCTION SHALL USE NOISE SUPPRESSION DEVICES TO MINIMIZE NOISE TO THE SURROUNDING
- 14. DUST SHALL BE CONTROLLED AT ALL TIMES DURING CONSTRUCTION PERIOD BY APPLICATION OF WATER TO THE SITE, INCLUDING DAYS WHEN CONSTRUCTION ACTIVITY DOES NOT OCCUR.
- 15. ALL USA MARKINGS SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
- 16. ALL AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
- 17. HOURS OF CONSTRUCTION ACTIVITIES SHALL ADHERE TO LOCAL JURISDICTIONAL REQUIREMENTS. NO WORK IS ALLOWED ON SUNDAY.

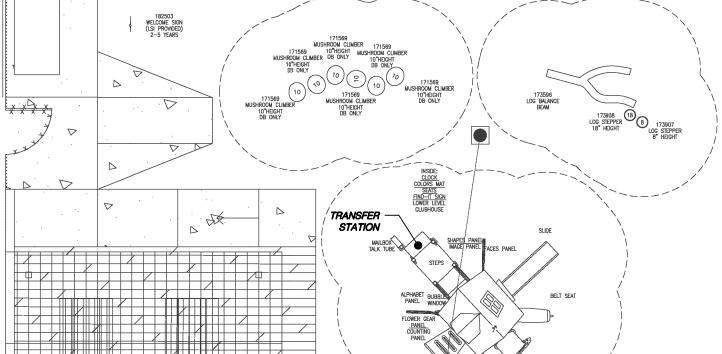
#### LAYOUT NOTES

Smart Play® (2-5 years)

Max Fall Height: 44 inches

- WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.
- 2. CONTRACTOR TO VERIFY ALL DISTANCES IN THE FIELD AND REPORT DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK. DIMENSIONS NOT SHOWN SHALL BE SCALED FROM PLAN.
- CONTRACTOR SHALL COORDINATE LANDSCAPE CONSTRUCTION WITH OTHER WORK ON SITE.
- 4. ALL WRITTEN DIMENSIONS ARE FROM THE OUTSIDE OF BUILDING OR FENCE, BACK OF CURB OR WALK, UNLESS OTHERWISE NOTED.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY EXTENSION OF WORK INCLUDING STUBOUTS, ETC., DURING PHASE UNDER CONSTRUCTION TO FACILITATE WORK ON SUBSEQUENT PHASES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS AND UNSUITABLE MATERIAL FROM THE SITE WHICH HAS BEEN GENERATED BY HIS WORK.
- PRECISE BUILDING, PARKING, AND ROADWAY LAYOUT IS BASED ON DRAWINGS PREPARED BY ENGINEERS.
- 8. CONTRACTOR SHALL EXERCISE NECESSARY CAUTION TO PROTECT EXISTING LANDSCAPE AND OTHER ITEMS (I.E. LIGHTS, BENCHES, AND SHELTERS) FROM DAMAGE.





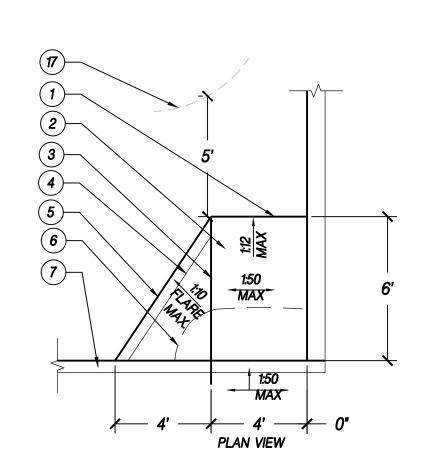
- 1. PLAY EQUIPMENT SYSTEM TYPE PLAY BOOSTER DRAWINGS #1153676-02-02, BY LANDSCAPE STRUCTURES OR APPROVED EQUAL. CONTACT ALEX HAILEY AT ROSS RECREATION EQUIPMENT, PHONE #: 707-538-3800 OR EMAIL: ALEXHOROSSREC.COM.
- 2. THIS PLAY AREA AND PLAY EQUIPMENT IS DESIGNED FOR AGES 2-12 YEARS UNLESS OTHERWISE NOTED ON PLAN.
- 3. IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE A.D.A. ACCESSIBILITY STANDARDS. ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITH IN THE ENTIRE USE ZONE.
- 4. THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE PRIOR TO CONSTRUCTION. DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY EXCISING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, AND UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXCISING UTILITIES, EQUIPMENT, AND SITE FURNISHING PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.
- 5. CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CRITICAL HEIGHT VALUE TO MEET THE MINIMUM FALL HEIGHT FOR THE EQUIPMENT (REF. ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION B CURRENT REVISION). THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILTED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN". ACCESSIBLE/PROTECTIVE LOOSE FILL MATERIAL
- (ENGINEERED WOOD FIBER SUGGESTED). 6. IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) "HANDBOOK FOR PUBLIC
- 7. SEE DETAIL K SHEET L1.3 FOR MORE ACCESSIBLY INFORMATION.

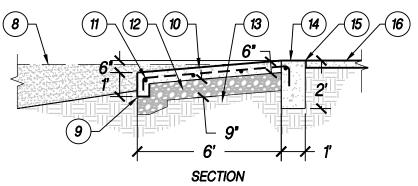
PLAYGROUND SAFETY".

SEE SHEET L3.03 FOR LAYOUT PLAN DETAILS

SCALE:1"= 10'

SHEET IDEN:





END OF PLAYGROUND CURB RAMP PLAYGROUND CURB RAMP SCORE JOINT 3/8" MAX / EDGE OF CURB RAMP 11. SCORE JOINT 3/8" MAX EDGE OF FLARE ENGINEERED WOOD FIBER EDGE CONCRETE PLAY AREA CURB 8. TOP OF ENGINEERED WOOD FIBER

PLAY AREA TRANSITION RAMP

THICKENED EDGE TOP OF PAVING #4 REBAR 24" O.C. EACH WAY COMPACTED AGGREGATE BASE COMPACTED SUBGRADE TOP OF TRANSITION RAMP EXPANSION JOINT 3/8" MAX CONCRETE PAVING

P-SJFC-09

- CLOSEST FALL ZONE
- DECK FOOTING

7 JOIST BARRIER TAPE

1) REDWOOD DECKING, SEE DECKING DETAIL

SET IN WET CONCRETE FOOTING.

(3) 2"X4" PRESSURE TREATED JOISTS, 12" O.C.

(4) CONCRETE FOOTING WITH (4) #5 REBAR EACH WAY.

(6) 5/8" A307 GALVANIZED BOLT, NUT AND LOCKING WASHERS.

2 PRECAST CONCRETE PIER BLOCK WITH METAL BRACKET TO RECEIVE 4'X6" BEAM.

SIMPSON STRONG TIE JOIST HANGER. WITH STAINLESS STEEL SCREWS, PER PLAN.

P-SJFC-05

PLAY STRUCTURE EQUIPMENT

TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER 5 REQUIRED 3

TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN 8 REQUIRED .

TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS 6 REQUIRED 6

PLAY EQUIPMENT ACCESSIBILITY REQUIREMENTS:

TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP

TOTAL ELEVATED PLAY COMPONENTS

SHEET NUMBER: 15 OF 22

CITY OF

**CAPITAL OF SILICON VALLEY** 

City Facilities and Architectural Services

MATT CANO

DIRECTOR OF PUBLIC WORKS

CIVIL / STRUCTURAL / SURVEY:

UOOD RODGERS

4670 WILLOW ROAD, STE 125 TEL 925.847.1556

PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

SAN JOSE, CA 95120 TEL 408.440.4542

**ENVIRONMENTAL** 

Horizon

266 GRAND AVE. STE 210 TEL 510.986.1850 DAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH,

THESE PLANS ARE NOT FULL SCALE.

SAN JOSE FAMILY CAMP

STORM DAMAGE REPAIR PROJECT

PROJECT TITLE:

REV DATE

AS SHOWN

01/17/2022

MANAGER

CPMS ID

SHEET TITLE:

SECTION MANAGER:

CPMS ID NUMBER:

SCALE:

6455 ALMADEN EXPWY. STE 100

**DESIGN TEAM:** 

PLAY AREA LAYOUT

REASON FOR ISSUE

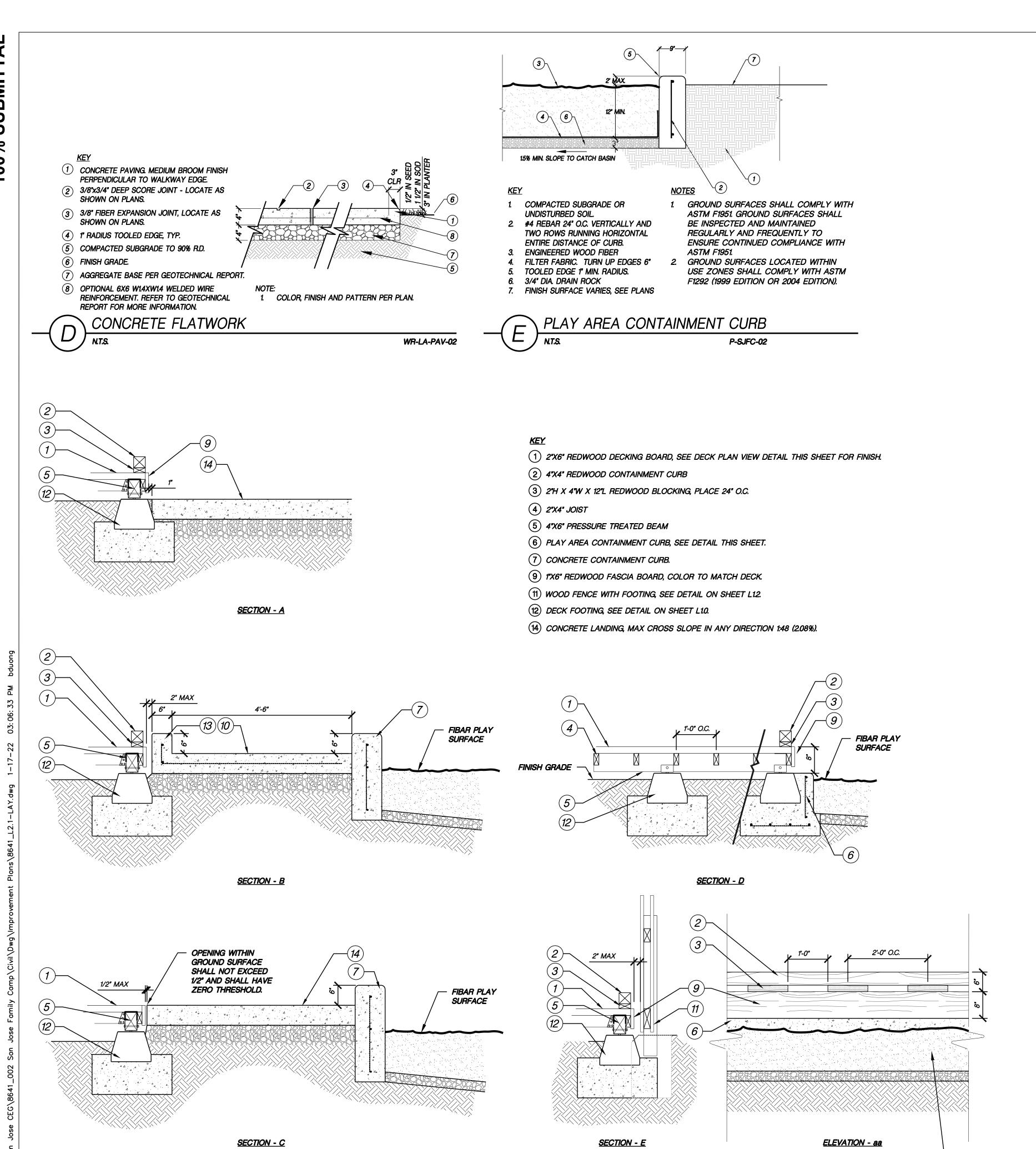
CHECKED BY:

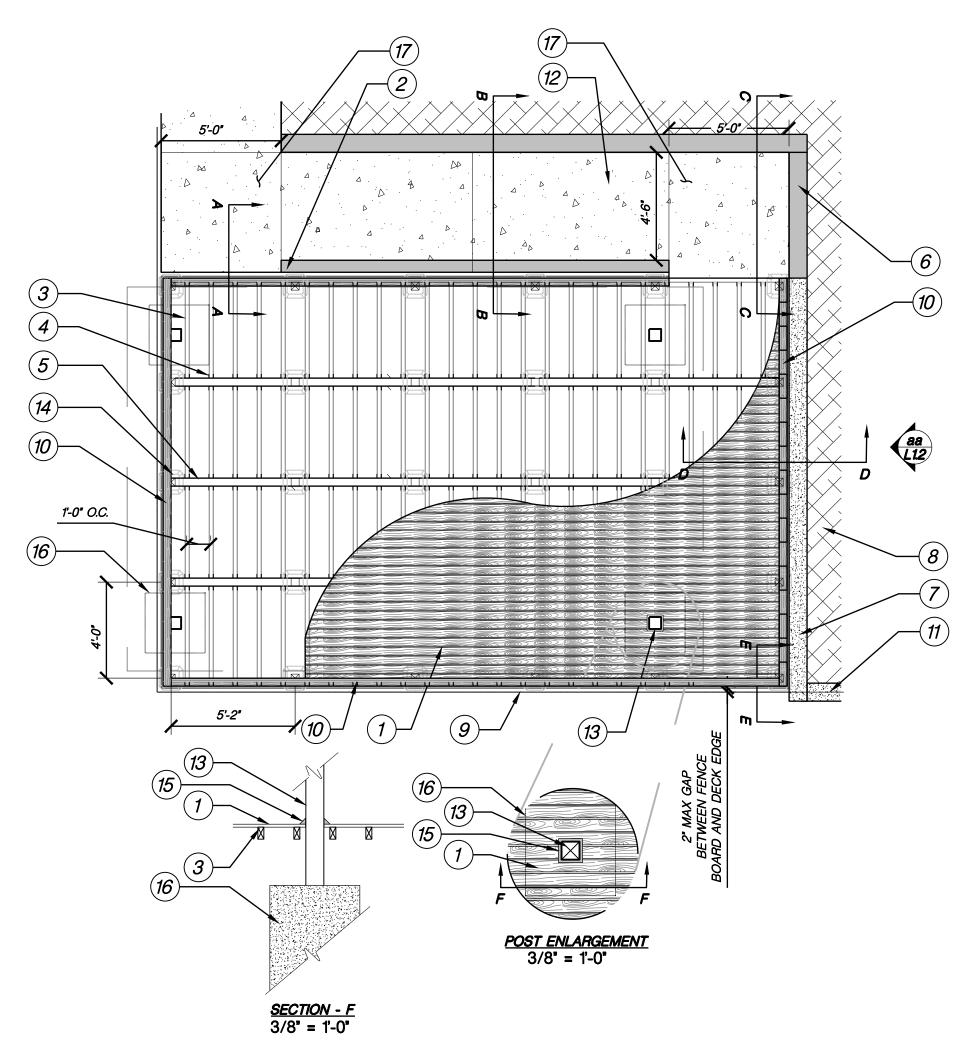
DRAWN BY:

BD

KM

**DECK - SECTIONS** 





(1) 2"x6" REDWOOD DECKING, ATTACH WITH 3" STAINLESS STEEL SCREWS COUNTER SINK INTO THE DECK SURFACE. OPENINGS WITHIN GROUND SURFACES SHALL NOT ALLOW THE PASSAGE OF SPHERE MORE THAN 1/2" DIAMETER.

2) 6" CONCRETE CURB.

(3) 2"X4" PRESSURE TREATED JOIST, 12" O.C. USE JOIST BARRIER ON TOPSIDE.

(4) METAL JOIST HANGER.

(5) 4"X6" PREASURE TREATED SLEEPER. USE JOIST BARRIER ON TOPS OF SLEEPER.

(6) CONCRETE CONTAINMENT CURB, SEE DETAIL F, SECTION C THIS SHEET.

7) PLAY AREA CONTAINMENT CURB, SEE DETAIL E THIS SHEET.

8 PLAY AREA FIBAR, GROUND SURFACES SHALL COMPLY WITH ASTM F1951. GROUND SURFACES SHALL BE INSPECTED AND MAINTAINED REGULARLY AND FREQUENTLY TO ENSURE CONTINUED COMPLIANCE WITH ASTM F1951. GROUND SURFACES LOCATED WITHIN USE ZONES SHALL COMPLY WITH ASTM F1292 (1999 EDITION OR 2004 EDITION).

9 WOOD FENCE

(10) 4"X4" WOOD CONTAINMENT CURB WITH 2"H X 4"W X 12"L BLOCKS SPACE 12' O.C.

(11) WOOD FENCE ON PLAY ARE CONTAINMENT CURB.

(12) SLOPED WALKWAY, NOT TO EXCEED 1:20 (5%) IN THE DIRECTION OF TRAVEL WITH 1:48 (2.08%) MAX CROSS SLOPES.

(13) OVERHEAD STRUCTURE POST.

(14) DECK FOOTING, SEE DETAIL THIS SHEET.

(15) 2"X2" REDWOOD POST SKIRT, NAIL TO DECKING

(16) OVERHEAD STRUCTURE FOOTING PER MANUFACTURERS RECOMMENDATIONS.

17) 5'X5' MIN. FLAT CONCRETE LANDING FOR ACCESSIBILITY, 1:48 (2.08%) MAX SLOPES IN ANY DIRECTION.

FIBAR PLAY SURFACE

P-SJFC-04

APPLY TWO COTES OF PENOFIN-TRANSPARENT PENETRATING OIL FISHING DECK, CLEAR STAIN AND SEALER TO DECK, PER MANUFACTURES RECOMMENDATIONS.

DECK (PLAN VIEW)





MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

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ENVIRONMENTAL:

<u> Horizon</u> 266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH, THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

<b>V</b>	DATE	RE	ASON FOR ISSUE			
CA	LE:		DRAWN BY:			
AS SHOWN			BD			
ATE:			CHECKED BY:			

SECTION MANAGER: MANAGER CPMS ID NUMBER: CPMS ID

01/17/2022

SHEET TITLE:

PLAY AREA DETAILS

SHEET NUMBER: 16 OF 22

P-SJFC-03

SHEET IDEN:

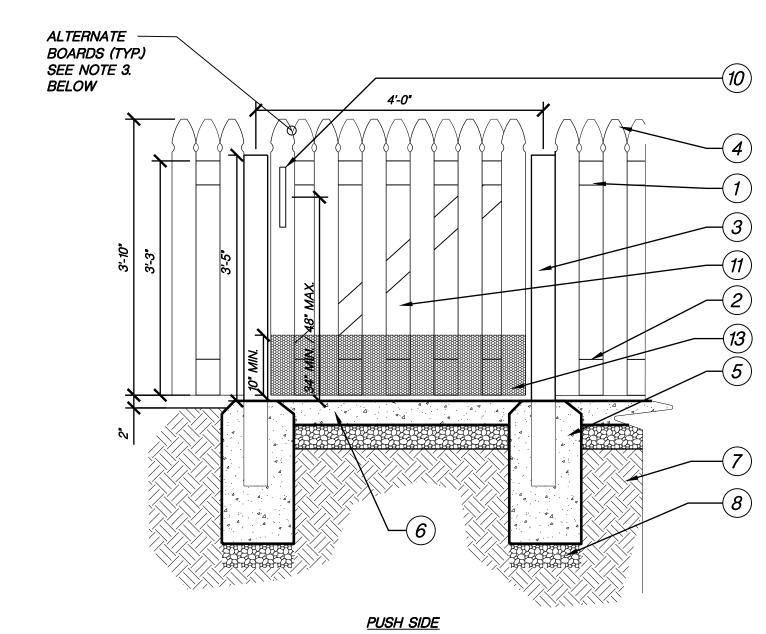
<u>PULL SIDE</u>

<u>KEY</u>

1) 2X4" RAIL BOARD

- (2) 2"X6" PRESURE TREATED KICK BOARD, BOTTOM OF FENCE BOARDS MUST BE FLUSH WITH BOTTOM OF KICK BOARD.
- 3 4"X4" PRESURE TREATED POST AT 8' O.C. P.TD.F GRADE B OR BETTER
- 4) 1"X4" REDWOOD FENCE BOARD
- 5 CONCRETE FOOTING SLOPE TOP TO PREVENT WATER POOLING
- 6 CONCRETE WALK WAY
- 7 UNDISTURBED NATIVE GRADE OR ENGINEERED FILL PER SOILS REPORT.
- 8 4" AGGREGATE BASE, COMPACTED TO 95%
- 9) HINGE, SELF CLOSING SPRING.
- (10) ACCESSIBLE GRIP PULL HANDEL
- (11) 2"X4" DIAGONAL BRACE
- (12) 1/8" STEEL PLATE, AS A GATE STOPPER
- (13) 1/8" PERFERATED STEEL KICK PLATE

- 1. ALL WOOD SHALL BE CONSTRUCTION HRT.RO.REDWOOD OR CEDAR #2 OR BETTER.
- 2. AIR POWERED GALVANIZED 6D OR 8D NAILS AT FENCE BOARDS, 16D GALVANIZED FRAME NAILS.
- 3. ALTERNATE FENCE BOARD SEE SECTION OF FENCE.



PLAY AREA FENCING ON CONCRETE CONTAINMENT CURB

ALTERNATE PANEL (TYP.)

SEE NOTE 3. BELOW

8' O.C.

ALTERNATE PANEL (TYP.) -SEE NOTE 3. BELOW

<u>SECTION</u>

PLAY ARE — SURFACING

# 1) 2X4" RAIL BOARD

- 2) 2"X6" PRESURE TREATED KICK BOARD
- 3 4"X4" PRESURE TREATED POST AT 8' O.C. P.TD.F GRADE B OR BETTER
- 4) 1"X4" REDWOOD FENCE BOARD
- 5 CONCRETE FOOTING SLOPE TOP TO PREVENT WATER POOLING
- 6 (2) #4 REBAR
- 7) UNDISTURBED NATIVE GRADE OR ENGINEERED FILL PER SOILS REPORT.
- 8 4" AGGREGATE BASE, COMPACTED TO 95%

- 1. ALL WOOD SHALL BE CONSTRUCTION HRT.RO.REDWOOD OR CEDAR #2 OR BETTER.
- 2. AIR POWERED GALVANIZED 6D OR 8D NAILS AT FENCE BOARDS, 16D GALVANIZED FRAME
- 3. ALTERNATE FENCE BOARD SEE SECTION OF

- 1) 2X4" RAIL BOARD
- 2) 2"X6" PRESURE TREATED KICK BOARD
- (3) 4"X4" PRESURE TREATED POST AT 8' O.C. P.TD.F GRADE B OR BETTER
- 4) 1"X4" REDWOOD FENCE BOARD
- (5) CONCRETE FOOTING SLOPE TOP TO PREVENT WATER POOLING
- 7 UNDISTURBED NATIVE GRADE OR ENGINEERED FILL PER SOILS REPORT.
- 8) 4" AGGREGATE BASE, COMPACTED TO 95%
- 9 PLAY AREA CONTAINMENT CURB SEE DETAIL ON SHEET L1.1

- 1. ALL WOOD SHALL BE CONSTRUCTION HRT.RO.REDWOOD OR CEDAR #2 OR BETTER.
- 2. AIR POWERED GALVANIZED 6D OR 8D NAILS AT FENCE BOARDS, 16D GALVANIZED FRAME
- 3. ALTERNATE FENCE BOARD SEE SECTION OF

DESIGN TEAM:

CAL ENGINEERING & GEOLOGY 6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

**CAPITAL OF SILICON VALLEY** 

City Facilities and Architectural Services

MATT CANO

DIRECTOR OF PUBLIC WORKS

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS

4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

ENVIRONMENTAL:



IF THIS DOES NOT MEASURE ONE INCH,

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

THESE PLANS ARE NOT FULL SCALE.

P-SJFC-08

PLAY AREA GATE

3/4" = 1-0"

ALTERNATE

**BELOW** 

BOARDS (TYP.) SEE NOTE 3.

PLAY AREA FENCING

P-SJFC-06

REV DATE REASON FOR ISSUE SCALE: DRAWN BY: AS SHOWN

CHECKED BY: 01/17/2022 SECTION MANAGER:

MANAGER CPMS ID NUMBER: CPMS ID

SHEET TITLE:

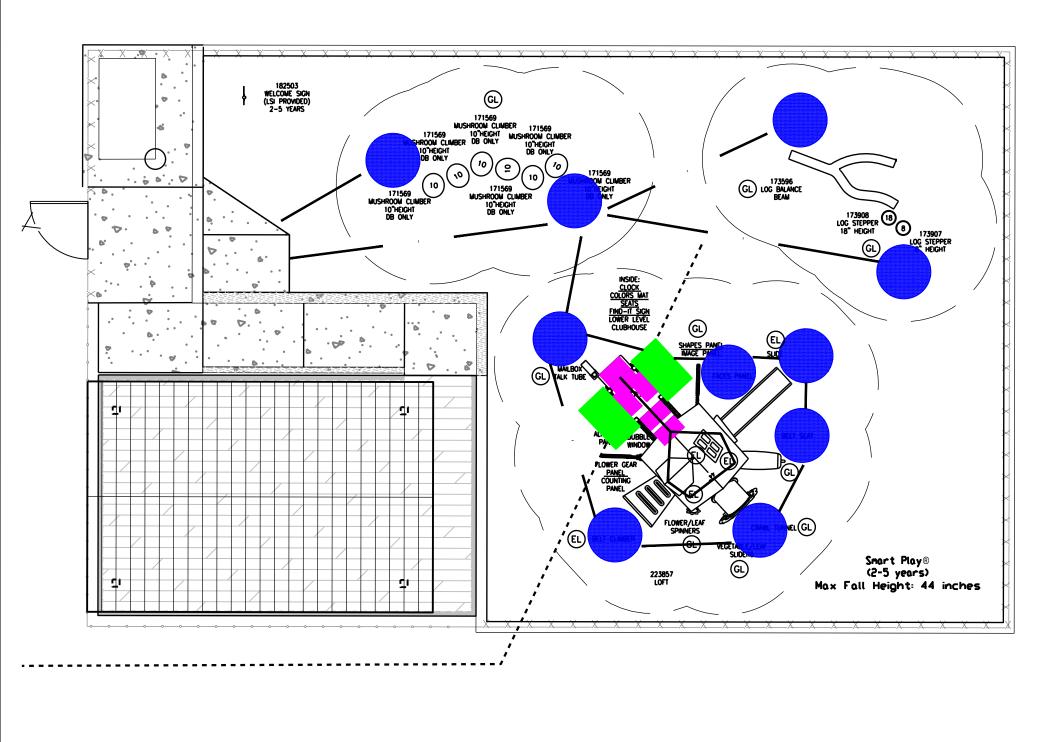
PLAY AREA DETAILS

SHEET NUMBER: 17 OF 22

SHEET IDEN:

L1.2





TO MEET CBC (California Building Code 11B-240, 240.1, 240.2), CONTRASTING STRIPES MUST BE PROVIDED BETWEEN TRANSFER STEPS. IT IS THE MANUFACTURES OPIONION THAT THIS WILL MEET THE California Building Code 11B-240, 240.1, 240.2,

AFTER STRIPING HAS BEEN ADDED (EL) = ELEVATED EVENT, ACCESSIBLE BY TRANSFER

GL) = ACCESSIBLE GROUND LEVEL EVENT - = ACCESSIBLE ROUTE TO ACCESSIBLE ELEVATED

- = ACCESSIBLE ROUTE TO ACCESSIBLE GROUND LEVEL EVENTS. 2-5 ACCESSIBLE COMPONENTS ELEVATED:

Belt Climber

2-5 GROUND LEVEL: Mailbox/Flower Talk Tube Vegetable/Leaf Sliders Belt Seat Image Panel Mushroom Climbers Log Balance Beam

Log Steppers COMMUNICATION IMAGINATIVE CRAWLING SEATED IMAGINATIVE

STEPPING/BALANCE

REVISION). THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN". (ENGINEERED WOOD FIBER SUGGESTED) Parking/Clear Ground Space (ADA Requirement - 30" x

IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE Transfer Space (ADA requirement - 24" wide by 14" deep) U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC)

HANDBOOK FOR PUBLIC PLAYGROUND SAFETY

are IPEMA certified. (Unless model number is preceded with \*) The use and layout o these components conform to the requirements of ASTM F1487. To verify

THIS PLAY AREA & PLAY EQUIPMENT IS

UNLESS OTHERWISE NOTED ON PLAN.

IT IS THE MANUFACTURERS OPINION THAT

THIS PLAY AREA DOES CONFORM TO

THE A.D.A. ACCESSIBILITY STANDARDS,

WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO US. PRIOR TO CONSTRUCTION, DETAILED SITE INFORMATION

NCLUDING SITE DIMENSIONS, TOPOGRAPHY EXISTIF UTILITIES, SOIL CONDITIONS, AND DRAINAGE

SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY A

DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, A

CHOOSE A PROTECTIVE SURFACING MATERIAL THA HAS A CRITICAL HEIGHT VALUE TO MEET THE

MAXIMUM FALL HEIGHT FOR THE EQUIPMENT (REF. ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION 8 CURREN

ACCESSIBLE/PROTECTIVE

LOOSE FILL MATERIAL

LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.

ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OF

DESIGNED FOR AGES

Previous Drawing # Initials

EXPANSION MAT'L

FINISH GRADE

SLAB

,\_\_\_\_\_\_ THIS LAYOUT IS FOR APPROXIMATE FOOTING PLACEMENT PURPOSES ONLY.

PLAY STRUCTURE FOOTING LOCATIONS

CONTACT ALEX HAILEY • ROSS RECREATION EQUIPMENT, 707-538-3800

#3 HORZ REBAR TIES

6" OC (3) IN TOP 5"

3500 PSI CONCRETE

(6) #4 VERTICAL REBAR

STUB ELEC CONDUIT

PER LOCAL CODE SEE COL DTL PLAN FOR LOCATION IF REQ'D

BY CONTRACTOR

BASE PLATEELEC CONDUIT IF REQ'D

A-BOLT HOLE

6"X6" COLUMN

- 6"X6" COLUMN

HANDHOLE w/ COVER

HEX NUT BY CONTRACTOR

WASHER & BASE PLATE

INSTALL DRAWINGS SHOULD BE OBTAINED PRIOR TO INSTALLATION FOR FINAL FOOTING LAYOUT.

A3 15'-10" 10'-8" 4 A4 12'-5 1/2" -15'-9 1/2" 20'-1 1/2" 12'-5 1/2" -16'-9 1/2" 20'-6" 7 A7 15'-4 1/2" 14'-1 1/2" 20'-10 1/2" 14 8 A8 14'-8 1/2" 15**'**–10" 1'-8 1/2" 1'-10 1/2" -2'-6 1/2" 2'-10 1/2" 17 B9 1'-6 1/2" 4'-7 1/2" 4'-10 1/2" 18 B10 -4'-1 1/2" 19 B11 -4'-4" -3'-11 1/2" 5'-10" 20 B12 -4'-4" -4'-5 1/2" 6'-2 1/2" <u>1 B13 -5'-10 1/2" -2'-3 1/2" 6'-3 1/2"</u> B17 -6'-7 1/2" -5'-9 1/2" 8'-10" 
 26
 B18
 -7'-10
 1/2"
 -4'-5
 1/2"
 9'-1"

 27
 B19
 -4'-5
 1/2"
 -8'-6"
 9'-7"
 28 B20 16'-4 1/2" -10'-0 1/2" 19'-2 1/2" 12 B21 15'-8 1/2" -11'-10" 19'-8" 12
B22 13'-10" -15'-2 1/2" 20'-6 1/2" 12
B23 16'-5 1/2" -15'-1" 22'-4" 12
B24 20'-9 1/2" 28'-11 1/2" 35'-8" 12 29 B21 15'-8 1/2" 30 B22 13'-10"

EXTEND 12" MIN. LEVEL

DISTANCE TO LANDING SURFACE BEFORE RETURNED.

– 1-1/2"X1" GUIDERAIL WELDED AT INSIDE

WR-LA-15

OF HANDRAIL SYSTEM. CENTER OF

GUIDERAIL AT 3" ABOVE FINISHED

N. | I.D. | X (ft-in) | Y (ft-in) | Dist. to 0 | DIA (in)

**CAPITAL OF SILICON VALLEY** City Facilities and Architectural Services



MATT CANO DIRECTOR OF PUBLIC WORKS

**DESIGN TEAM:** 

CIVIL / STRUCTURAL / SURVEY:

UOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.1557

GEOTECHNICAL:

6455 ALMADEN EXPWY. STE 100 SAN JOSE, CA 95120 TEL 408.440.4542

ENVIRONMENTAL:

Horizon 266 GRAND AVE. STE 210 TEL 510.986.1850 OAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH,

THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE

REPAIR PROJECT

REV	DATE	REASON FOR ISSUE			
SCA	LE:		DRAWN BY:		
AS	SHOWN		BD		
DAT	E:		CHECKED BY:		
0	1/17/2022		KM		
SECTION MANAGER:					
MANAGER					
CPM	IS ID NUM	BER:			
CF					
SHE	ET TITLE:				
1					

PLAY AREA DETAILS

SHEET NUMBER: 18 OF 22

L1.3 SHEET IDEN:

PLAY STRUCTURE ACCESSIBILITY ROUTE & TRANSFER STATIONS

REQUIRED 0

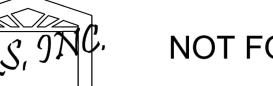
6"X6" COLUMN

<u>REQUIRED</u>

<u>REQUIRED</u>

CONTACT ALEX HAILEY • ROSS RECREATION EQUIPMENT, 707-538-3800

TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS 6 REQUIRED



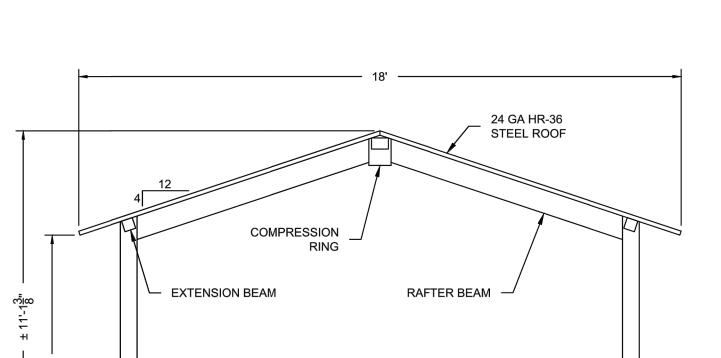
TOTAL ELEVATED PLAY COMPONENTS 5

TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP

TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER 5

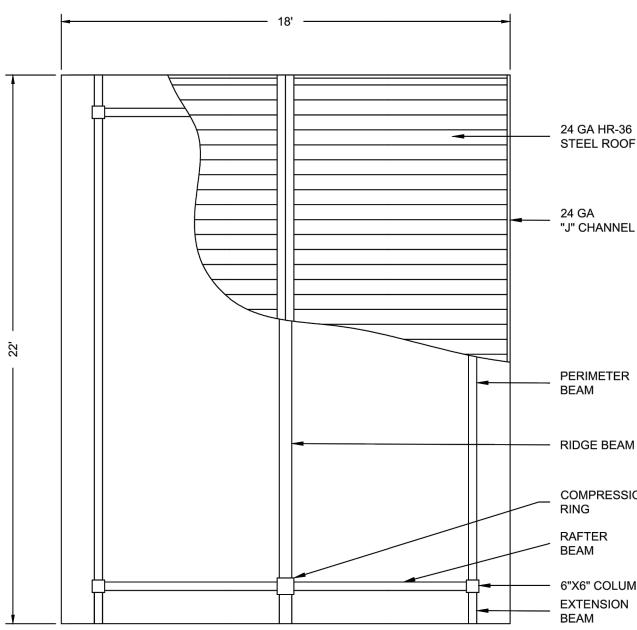
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN 8

## NOT FOR CONSTRUCTION





NOT FOR CONSTRUCTION



ADJUST FTG DEPTH FOR LOCAL FROST CONDITIONS STEEL ROOF COMPRESSION 6"X6" COLUMN

(1)-%"X12" A-36 ALL THREAD A-BOLT W/ (2) HEX NUTS & 8" MIN EMBED BY CONTRACTOR NON-EXPANSIVE, **UNDISTURBED OR 95%** COMPACTED SUBGRADE

16'X24' ORLANDO MODEL

1-BOLT SURFACE MOUNT CAISSON FOOTING

PLAN VIEW 16'X24' ORLANDO MODEL

END ELEVATION 16'X24' ORLANDO MODEL

16' X 24' SHADE STRUCTURE

HANDRAIL AT RAMP

ROCK BASE, TYPICAL.

1-1/2" DIAMETER SCH. 40 STEEL PIPE HANDRAIL, GALVANIZED FINISH.

48" O.C. TYPICAL

3X3X1/2" STEEL PLATE WELDED -TO BOTTOM OF RAIL, TYPICAL.

TYPICAL

3" RADIUS

AT ENDS.

#### INTENT OF DRAWINGS

RESOLVED AS NOTED ABOVE.

- TYPICAL DETAILS AND GENERAL NOTES ON THESE DRAWINGS APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE SPECIFICALLY DETAILED OR NOTED OTHERWISE ON THEIR SHEET.
- RESOLVE ANY CONFLICTS ON THE DRAWINGS WITH THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALE OF DRAWINGS. HOWEVER, ANY SIGNIFICANT CONFLICTS SHOULD BE
- VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. RESOLVE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND INFORMATION SHOWN ON THESE DRAWINGS WITH THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE MEANS OR METHODS OR SEQUENCES OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING AND SUPPORT NECESSARY TO ACHIEVE THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENFORCING ALL CONSTRUCTION LOAD LIMITS ON THE STRUCTURE.

#### **GENERAL**

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS.
- ALL APPLICABLE REQUIREMENTS OF THE LOCAL CONSTRUCTION AND GENERAL INDUSTRY SAFETY ORDERS, THE OCCUPATIONAL SAFETY AND HEALTH ACT, AND THE CONSTRUCTION SAFETY ACT SHALL BE MET.
- ALL ERECTION PROCEDURES SHALL CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA PRIOR TO ERECTION.
- ALL NECESSARY PERMITS, LICENSES, APPROVALS, FEES, NOTICES, ETC, SHALL BE OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE DURING THE CONSTRUCTION PERIOD. ALL WALLS, FLOORS, AND ROOF MEMBERS SHALL BE SECURELY SHORED AND BRACED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL RETAIN A REGISTERED CIVIL ENGINEER TO DESIGN ALL TEMPORARY SHORING, BRACING AND GUYS REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES AGENCIES AS TO THE LOCATION OF ALL UNDERGROUND FACILITIES FOR THE PROTECTION OF AND REPAIR OF DAMAGE TO THEM. CALL "UNDERGROUND SERVICE ALERT" FORTY—EIGHT HOURS BEFORE DIGGING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER, AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.
- ALL DETAILS DESIGNATED AS STANDARD OR TYPICAL SHALL APPLY TO ALL APPLICABLE CONDITIONS IN ADDITION TO OTHER SPECIFICALLY REFERENCED DETAILS AND SECTIONS.
- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.
- CIVIL PLANS ARE CONSIDERED A PART OF THE STRUCTURAL DESIGN DRAWINGS AND ARE TO BE USED TO DEFINE DETAIL CONFIGURATIONS INCLUDING, BUT NOT LIMITED TO RELATIVE LOCATION OF MEMBERS, ELEVATIONS, LOCATION OF ALL OPENINGS, ETC.

#### TESTS, INSPECTIONS AND STRUCTURAL OBSERVATIONS:

TESTS AND INSPECTIONS SHALL BE PROVIDED BY A QUALIFIED TESTING AGENCY AS REQUIRED BELOW AND SHALL CONFORM TO THE REQUIREMENTS OF THE 2016 CBC CHAPTER 17.

- ☑ FILL COMPACTION ⋈ REINFORCING STEEL
- □ STRUCTURAL STEEL ☑ EPOXY AND EXPANSION ANCHORS ☐ SHOTCRETE ☐ MASONRY
- ☐ GROUT AND MORTAR

INSPECTIONS:

☐ *SHOTCRETE* 

- AND FILLING
- ☐ PILE/PIER INSTALLATION ☑ REINFORCEMENT PLACEMENT □ CONCRETE PLACEMENT
- ☐ SHOP WELDING ☐ FIELD WELDING ☐ HIGH STRENGTH BOLTING
- ☐ MASONRY PLACEMENT AND GROUTING ☐ SHEAR STUD INSTALLATION ☑ EPOXY AND EXPANSION ANCHORS
- ☐ ANCHOR BOLT SIZE AND PLACEMENT

#### **DESIGN CRITERIA**

- 1. <u>CODES AND STANDARDS</u>
  - 2019 CALIFORNIA BUILDING CODE (CBC)
  - ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
  - ACI 318-14 ACI BLDG CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- <u>SEISMIC DESIGN PARAMETERS:</u>

*LATITUDE* 37.8286 N LONGITUDE 120.0068 W

SITE CLASS D SEISMIC DESIGN CATEGORY D RISK CATEGORY II

IMPORTANCE FACTOR,  $I_F = 1.0$ 

 $S_S = 0.426$  Fa = 1.459  $S_{DS} = 0.414$  $S_1 = 0.187$  Fv = 2.227  $S_{D1} = 0.277$ 

3. <u>SNOW LOADS</u>

GROUND SNOW LOAD, Pa = 35 PSF IMPORTANCE FACTOR. =1.0EXPOSURE FACTOR, Ce =0.9THERMAL FACTOR, C+ =1.0DESIGN SNOW LOAD, Pf =22 PSF

#### **FOUNDATION**

- 1. FOUNDATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE CBC, ALL APPLICABLE LOCAL CODES, AND THE GEOTECHNICAL REPORT WHERE PROVIDED.
- 2. THE FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS STATED IN THE FOLLOWING GEOTECHNICAL REPORT:

GEOTECHNICAL DESIGN REPORT SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR FEMA-4308-DR-CA, CAL OES ID: 085-68000 CAL ENGINEERING & GEOLOGY

GEOTECHNICAL DESIGN PARAMETERS:

CE&G NO 181310.002

#### RETAINING WALL ALLOWABLE BEARING PRESSURE

JUNE, 21, 2021

DEAD + LIVE = 3500 PSF DEAD + LIVE + WIND / SEISMIC = 3500 PSF

#### SHADE STRUCTURE AND WOOD DECK ALLOWABLE BEARING PRESSURE

DEAD + LIVE = 2500 PSF DEAD + LIVE + WIND / SEISMIC = 3325 PSF

RETAINING WALL LATERAL EARTH PRESSURES

ACTIVE - DRAINED = 42 PCFACTIVE - UNDRAINED = 83 PCF ACTIVE - SEISMIC = 7 PCF

#### <u>RETAINING WALL DESIGN LATERAL RESISTANCE</u>

PASSIVE PRESSURE = 250 PCF COEFFICIENT OF FRICTION = 0.25

<u>RETAINING WALL LIVE LOAD SURCHARGE</u>

AERIAL VEHICULAR SURCHARGE = 250 PSF

- 4. UNLESS OTHERWISE INDICATED, FOUNDATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ABOVE REFERENCED REPORT. THIS REPORT IS PART OF THESE DOCUMENTS AND SHOULD BE KEPT ON THE JOB SITE AT ALL TIMES.
- FOUNDATION EXCAVATIONS SHALL BE EXAMINED AND CERTIFIED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE PRIOR TO THE PLACEMENT OF ANY REINFORCING STEEL OR CONCRETE.
- UNEXPECTED SOIL CONDITIONS: FOUNDATION DESIGN IS BASED UPON SOIL CONDITIONS SHOWN BY TEST BORINGS IN THE ABOVE REFERENCED REPORT. ANY SUBSURFACE CONDITIONS NOT IN ACCORDANCE WITH THE ABOVE REFERENCED GEOTECHNICAL REPORT SHALL BE REPORTED TO THE GEOTECHNICAL ENGINEER IMMEDIATELY FOR RESOLUTION PRIOR TO CONTINUING ANY WORK.
- 7. COMPACTION: MATERIAL FOR FILLING AND BACKFILLING SHALL CONSIST OF THE EXCAVATED MATERIAL AND/OR IMPORTED BORROW AS SPECIFIED IN THE ABOVE REFERENCED REPORT. MATERIAL SHALL BE FREE OF ORGANIC MATTER, TRASH, LUMBER OR OTHER DEBRIS. COMPACT IN ACCORDANCE WITH THE ABOVE REFERENCED REPORT.
- 8. FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL AS REQUIRED BY THE GEOTECHNICAL REPORT. EARTH SHALL BE COMPACTED UNDER ALL SLABS AND AROUND THE SIDES OF ALL
- 9. FORM FOOTINGS AS NECESSARY TO ACHIEVE MINIMUM DIMENSIONS SHOWN ON THESE DRAWINGS. EARTH FORMS CAN BE USED IF SOIL CONDITIONS PERMIT EXCAVATION WITHOUT SOIL SLOUGHING DURING STEEL AND CONCRETE PLACEMENT. IF EARTH FORMS ARE USED, INCREASE WIDTH OF FOOTING ONE INCH ON EACH SIDE FROM SIZE SHOWN ON DRAWINGS.
- 10. BOTTOM OF FOOTINGS SHALL BE STEPPED AS NECESSARY TO PROVIDE LEVEL BEARING. CONTRACTOR SHALL PROVIDE PROPOSED STEPS WHERE REQUIRED BY SITE CONDITIONS AND BURIED UTILITY LOCATIONS IN ADDITION TO LOCATIONS SPECIFICALLY NOTED ON THE PLANS AND DETAILS FOR REVIEW AND APPROVAL.
- 11. FOUNDATION EXCAVATIONS SHALL BE CLEANED OF ANY LOOSENED SOILS, DEBRIS AND STANDING WATER BEFORE PLACING STEEL OR CONCRETE.

#### CONCRETE

AND SLAB ON GROUND

- ALL STRUCTURAL CONCRETE UNLESS OTHERWISE NOTED SHALL HAVE A DENSITY OF 150 PCF AGGREGATES AND SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.05%.
- ALL STRUCTURAL LIGHT WEIGHT CONCRETE SHALL HAVE A DENSITY OF 115 PCF MAXIMUM AND 100 PCF MINIMUM. AGGREGATES SHALL CONFORM TO ASTM
- ALL CONCRETE SHALL DEVELOP MINIMUM COMPRESSIVE STRENGTHS AT THE

END OF 28 DAYS AS FOLLOWS: STRENGTH MAX W/C MAX AGGREGATE RETAINING WALLS 5000 PSI 0.40 WOOD DECK FOOTINGS 3500 PSI 0.55

- STRENGTHS AND W/C RATIOS SHOWN ARE MINIMUM REQUIREMENTS AND MAY REQUIRE MORE RESTRICTIVE REQUIREMENTS DUE TO DURABILITY REQUIREMENTS.
- ALL CEMENT SHALL CONFORM TO ASTM C150 TYPE II MINIMUM. FLY ASH SHALL CONFORM TO ASTM C618 AND SHALL NOT EXCEED 25% OF THE TOTAL CEMENTITIOUS MATERIAL.
- ADMIXTURES SHALL COMPLY WITH ASTM C494 AND BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE. BUT SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).
- CONCRETE MIX DESIGNS SHALL BE PREPARED BY AN INDEPENDENT LABORATORY, STAMPED BY A LICENSED ENGINEER AND SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER.
- PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH THE ACI 301.
- SET FLOOR SCREEDS TO REQUIRED ELEVATIONS DURING CONCRETE POURING TO COMPENSATE FOR FORM SETTLEMENT.
- CONCRETE SHALL BE MAINTAINED ABOVE 50°F AND IN A CONTINUOUSLY MOIST CONDITION FOR AT LEAST (7) DAYS AFTER PLACEMENT OR CONTRACTOR SHALL USE OTHER CURING TECHNIQUES TO ENSURE STRUCTURAL INTEGRITY, SERVICEABILITY AND TO MINIMIZE SURFACE CRACKING.
- CONTROL JOINTS SHALL BE LOCATED AND FORMED AS SHOWN ON THE DRAWINGS. SLAB CONTROL JOINTS SHALL BE PLACED AT POINTS OF LOW STRESS AS WELL AS LOCATED TO MINIMIZE EFFECTS OF SHRINKAGE. KEY AND DOWEL SLAB CONSTRUCTION JOINTS AS SHOWN ON THE PLANS. ALL CONSTRUCTION JOINTS SHALL BE CLEANED THOROUGHLY AND ALL LAITANCE SHALL BE REMOVED FROM THE SURFACE. ALL VERTICAL JOINTS SHALL BE THOROUGHLY WETTED AND SLUSHED WITH A COAT OF NEAT CEMENT OR BONDING AGENT IMMEDIATELY BEFORE POURING NEW CONCRETE.

#### REINFORCING STEEL

ALL REINFORCING STEEL SHALL CONFORM TO ASTM STANDARD AS NOTED:

TYPICAL REBAR: A615 GRADE 60 REBAR WHERE SPECIFICALLY NOTED: A615 GRADE 40 REBAR TO BE WELDED: A706 GRADE 60

- ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY NOTED "NOT REINFORCED" IN THE DRAWINGS. IF REINFORCING BARS ARE NOT SHOWN OR NOTED, PROVIDE SAME REINFORCEMENT AS FOR SIMILAR CONDITIONS ELSEWHERE IN THE WORK, OR AS DIRECTED BY THE ENGINEER.
- REINFORCEMENT BARS #5 AND LARGER SHALL NOT BE SPLICED EXCEPT AS DETAILED AND LOCATED ON DRAWINGS. #4 AND SMALLER BARS WITH LENGTH NOT SHOWN SHALL BE CONTINUOUS, LAPPING IN CONCRETE 1'-6" MINIMUM. WALL HORIZONTAL REINFORCEMENT SPLICES SHALL BE STAGGERED VERTICAL REINFORCEMENT SHALL BE SPLICED ONLY AT HORIZONTAL SUPPORTS, SUCH AS ROOF OR FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS. ALL SPLICES SHALL BE CLASS B U.O.N.
- DOWELS AND OTHER EMBEDDED ITEMS SHALL BE ACCURATELY SET IN PLACE AND FIRMLY SUPPORTED BEFORE CONCRETE IS POURED.
- REINFORCEMENT BARS SHALL BE ACCURATELY PLACED AND FIRMLY SUPPORTED USING TIES AND SUPPORT BARS IN ADDITION TO REINFORCEMENT SHOWN WHERE FIRM AND ACCURATE PLACING IS NECESSARY AS SPECIFIED IN THE ACI STANDARDS. DOWELS SHOULD BE PROVIDED TO MATCH ALL REINFORCEMENT AT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED.
- NO REINFORCEMENT WELDING (TACK WELDING INCLUDED) SHALL BE DONE
- ALL DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE
- FOLLOWS, UNLESS OTHERWISE NOTED ON PLANS:

FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: #6-#18 BARS

#5 BAR AND SMALLER

EXTERIOR FACE OF TILT-UP WALLS EXPOSED TO WEATHER:

SLABS ON GRADE:

DRAWINGS SHOW TYPICAL REINFORCING CONDITIONS. CONTRACTOR SHALL PREPARE DETAILED PLACEMENT DRAWINGS OF ALL CONDITIONS SHOWING QUANTITY, SPACING, SIZES, CLEARANCE, LAPS, INTERSECTIONS AND COVERAGE REQUIRED BY STRUCTURAL DETAILS, APPLICABLE CODE AND TRADE STANDARDS. CONTRACTOR SHALL NOTIFY REINFORCING INSPECTOR OF ANY ADJUSTMENTS FROM TYPICAL CONDITIONS WHICH ARE PROPOSED IN PLACEMENT DRAWINGS TO FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.

#### **ABB**

ABBRI	<u>EVIATIONS</u>		
	ABOVE AMERICAN CONCRETE INSTITUTE ADDITIONAL	KO KS L LAM LAT LB LONG	
ALUM ANCH APPROX ARCH A/E	ALTERNATE ALUMINUM ANCHOR, ANCHORAGE APPROXIMATE ARCHITECT, ARCHITECTURAL ARCHITECT/ENGINEER ASPHALT	LONG LLH LLV LSL LT WT LVL LWC	LONG LEG HORIZONTAL LONG LEG VERTICAL LAMINATED STRAND LUMBER LIGHTWEIGHT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MAS MAT MAX MB	MATERIAI
AWS BD BN BTWN	AMERICAN WELDING SOCIETY  BOARD  BOUNDARY NAILING  BETWEEN	MBM MECH	METAL BUILDING MANUFACTURER
BLW BM BOT BP	BUILDING BLOCKING BELOW BEAM BOTTOM BASE PLATE BEARING	MEMB MEZZ MFR MIN MISC MTL	MANUFACTURER MINIMUM MISCELLANEOUS
BRKT	BRACKET BOTTOM OF FRAMING BOTTOM OF STEEL	(N) NS NTS NO	NEW NEAR SIDE NOT TO SCALE NUMBER
CC CANT CAP CIP CJ Q CLR	CENTER TO CENTER CANTILEVER CAPACITY CAST—IN—PLACE CONTROL JOINT CENTERLINE CLEAR	oc OD OF OPNG OPP OH	ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OPENING OPPOSITE OPPOSITE HAND
CMU COL	CONCRETE MASONRY UNIT COLUMN	PAF PAR	POWDER ACTUATED FASTENERS PARALLEL

PARALLEL CONCRETE PARTITION POUNDS PER CUBIC FOOT CONSTRUCTION CONNECTION PERIMETER PERIM CONTINUOUS PERPENDICULAR PERP CENTER PLATE COUNTERSUNK POUNDS PER LINEAL FOOT CUBIC FEET PLYWD PLYWOOD

CUBIC YARD PLATE NAILING PARTIAL PEN DOUBLE POUNDS PER SQUARE FOOT DEMOLITION PSI POUNDS PER SQUARE INCH DETAIL PSL PARALLEL STRAND LUMBER DIAGONAL PRESERVATIVE/PRESSURE DIAMETER TREATED DIMENSION QUALITY QUANTITY

REVISION

SCHEDULE

SHEATHING

SQUARE FOOT

SOLE NAILING

SLAB ON GROUND

SPECIFICATIONS

STAINLESS STEEL

SHEET METAL SCREW

SECTION

SIMILAR

SQUARE

STANDARD

STAGGER

STEEL

STIFFENER

SUSPENDED

SYMMETRICAL

TOP AND BOTTOM

THICK. THICKNESS

TOP OF CONCRETE

TOP OF FRAMING

TOP OF STEEL

TONGUE AND GROOVE

UNLESS OTHERWISE NOTED

SHEARWALL

THROUGH

TRIMMER

TYPICAL

VERTICAL

WITHOUT

WINDOW

WEIGHT

WIDE FLANGE

WATERPROOF

WATER STOP

WORKING POINT

EXTRA STRONG

WELDED WIRE FABRIC

WOOD

DITTO (REPEAT) QTYBAR DIAMETER DRAWINGS RADIUS REINFORCED CONCRETE PIPE REINF REINFORCEMENT REQUIRED

EACH FACE ELEVATION EL FΝ EDGE NAILING ENGR ENGINEER *EOR* 

EACH WAY ΕW **EXISTING** (E) **EXPANSION** EXT **EXTERIOR** FDN

FIN FLR FΝ FΟ FOC

UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER.

OF BARS AND DENOTE CLEAR COVERAGE UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE AS

CONCRETE CAST AGAINST EARTH

FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER: BARS IN SLABS AND WALLS BARS IN BEAMS AND COLUMNS

#8 BARS AND SMALLER

 $\frac{3}{4}$ " (FROM TOP)

**BOF** BOS CCCANT CAP CIPCMU COLCONC CONST CONN CONT CTR CTSK CYDBLDEMO DET DIAGDIA DIM DO DWGS REQD **FXPANSION JOINT** REVSAD SEE ARCHITECTURAL DRAWINGS SCH ENGINEER OF RECORD SECT ΕQ EQUAL **EQUIPMENT** *EQUIP* SHTG SIM SMS SN SOG **SPECS** FOUNDATION SQ SS FINISH, FINISHED FLOOR STD STGR FIELD NAILING STIFF FACE OF FACE OF CONCRETE STL FACE OF FINISH STRUCT STRUCTURAL FACE OF MASONRY SUSP FACE OF STUD SW FACE OF WALL SYM *FIREPROOF* FAR SIDE T&B FOOT, FEET T&G FOOTING, FITTING THK THRU GAUGE, GAGE TOC TOF *GALVANIZED* GLUE LAMINATED BEAM TOS TRTYPHDR HEADER HEXAGONAL UON **HANGER VERT** HEIGHT HORIZONTAL HIGH STRENGTH BOLTS HOLLOW STRUCTURAL SECTION w/o INTERNATIONAL BUILDING CODE WF INSIDE DIAMETER WDWINSIDE FACE WP INCH WTPF INTERIOR WS WTJOINT FILLER WWF JST JOIST JOINT XS KILOPOUND (1000 POUNDS)

FOF FOM FOS FOW FΡ FS FTG GA GALV GLBGYP BD GYPSUM BOARD

HEX HGR HORIZ HSB HSS

/N INT

CITY OF **CAPITAL OF SILICON VALLEY** City Facilities and Architectural Services



MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS 4670 WILLOW ROAD, STE 125 TEL 925.847.155 PLEASANTON, CA 94588 Fax 925.847.15

GEOTECHNICAL:

6455 ALMADEN EXPWY. STE 100

SAN JOSE, CA 95120 TEL 408.440.45

ENVIRONMENTAL



IF THIS DOES NOT MEASURE ONE INCH,

THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REV	DATE	REASON FOR ISSUE				
SCA	LE:		DRAWN BY:			
AS	SHOWN		JFM			
DAT	E:		CHECKED BY:			
01/17/2022			AEJ			
SEC	TION MAN	IAGER:				
MA	ANAGER					
CPM	IS ID NUM	BER:				
CPMS ID						

STRUCTURAL NOTES

SHEET NUMBER: 19 OF 22

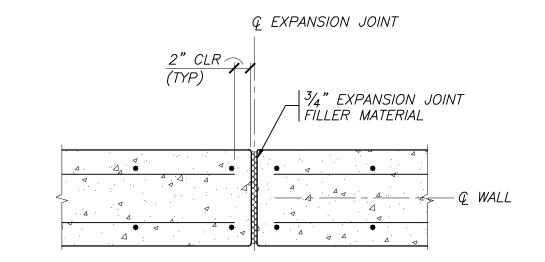
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SHEET TITLE:

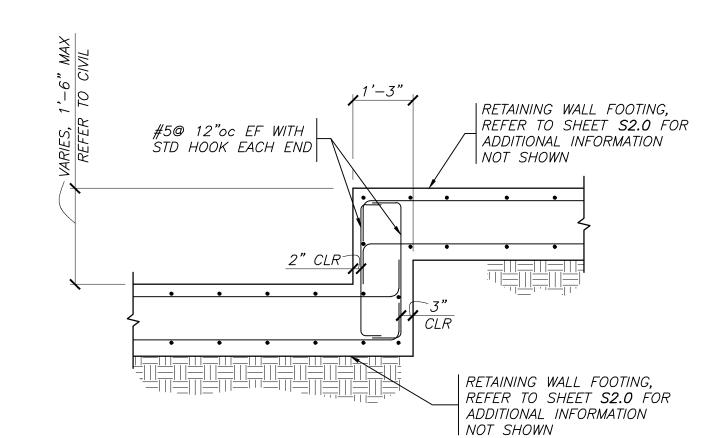
**S1.0** 

NOTES:

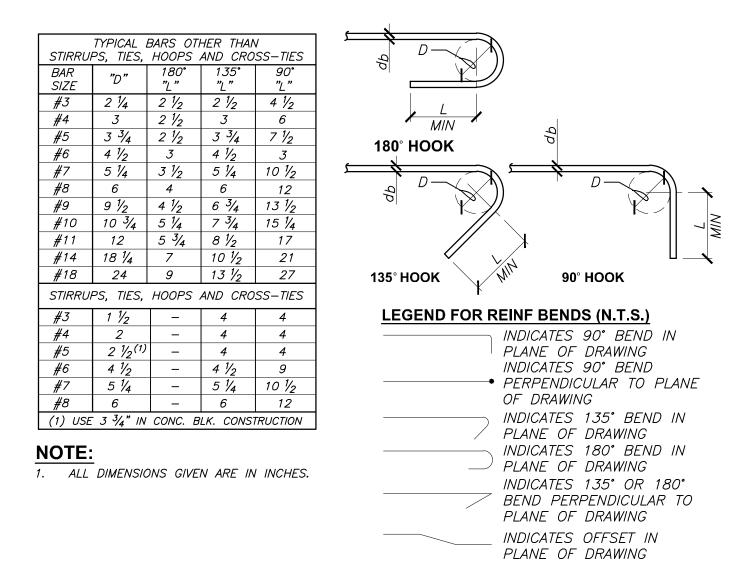
1. EXPANSION JOINT SHALL BE LOCATED AT 25'-0" MAX AND AT FOOTING STEPS. CONTRACTOR SHALL PROVIDE LOCATIONS OF EXPANSION JOINT FOR REVIEW AND APPROVAL BY THE ENGINEER.



# RETAINING WALL EXPANSION JOINT Stale: 1" = 1'-0"

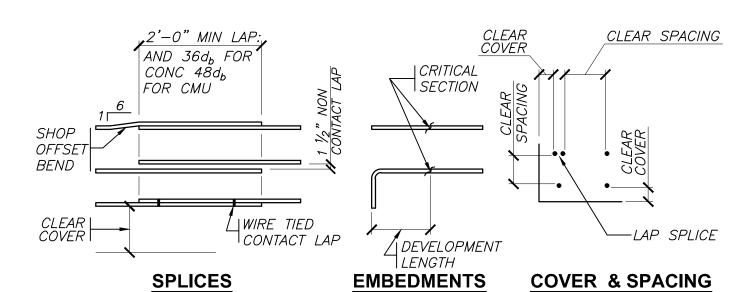


# **TYPICAL STEPPED FOOTING**



## TYPICAL BAR BENDS AND HOOKS S1.1 SCALE: 3/4" = 1'-0"

	BAR S	SIZE	#11	#10	#9	#8	#7	#6	#5	#4	#3
REINFORCEMENT	REINF	GRADE (ksi)	60	60	60	60	60	60	60	60	60
PROPERTIES	NOMINAL AREA (in)		1.56	1.27	1.00	0.79	0.60	0.44	0.31	0.20	0.11
	WEIGHT (Ib/ft)		5.313	4.303	3.400	2.670	2.044	1.502	1.043	0.668	0.376
	NOMINAL DIA (in)"d"		1.410	1.270	1.128	1.000	0.875	0.750	0.625	.500	.375
	3000	TYPICAL	78	70	62	<i>55</i>	48	33	28	22	17
DEVELOPMENT	3000	TOP REINF <sup>2</sup>	101	91	81	72	63	43	36	29	22
OR CLASS A TENSION	4000	TYPICAL	67	61	54	48	42	29	24	19	15
LAP SPLICE	4000	TOP REINF <sup>2</sup>	<i>87</i>	79	70	62	54	<i>37</i>	31	25	19
(LENGTH IN INCHES)	≥5000	TYPICAL	60	54	48	43	<i>38</i>	26	22	17	13
	23000	TOP REINF <sup>2</sup>	78	70	63	56	49	34	28	23	17
	3000	TYPICAL	101	91	81	72	63	43	36	29	22
CLASS B	3000	TOP REINF <sup>2</sup>	131	118	105	93	81	56	47	<i>37</i>	28
TENSION	4000	TYPICAL	<i>87</i>	79	70	62	54	<i>37</i>	31	25	19
LAP SPLICE (LENGTH IN INCHES)	4000	TOP REINF <sup>2</sup>	113	102	91	81	71	49	41	33	24
	>5000	TYPICAL	78	70	63	56	49	34	28	23	17
	23000	TOP REINF <sup>2</sup>	102	92	81	72	63	43	36	29	22
COMPRESSION LAP SPLICE	<3000		55	50	44	39	<i>35</i>	30	25	20	15
WHERE NOTED (LENGTH IN INCHES)	>3000		43	39	34	30	26	23	19	15	12
STANDARD	3000		31	28	<i>25</i>	22	20	17	13	11	8
HOOKED DEVELOPMENT	4000		26	24	22	19	17	15	12	10	7
(LENGTH IN INCHES)	5000		24	22	20	17	15	13	11	9	7



#### NOTES:

- REINFORCEMENT TABLE IS BASED ON ACI THE CURRENT EDITION OF ACI 318.
- "TOP REINF" IS HORIZONTAL REINFORCEMENT PLACED SUCH THAT 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
- EMBEDMENT AND LAP LENGTH IS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TENSION DEVELOPMENT AND SPLICE LENGTHS BY 1.3.
- 4. THE DEVELOPMENT AND LAP SPLICE SCHEDULE CAN BE USED FOR NON CONTACT LAP SPLICE WHEN BAR SPACING IS LESS THAN 6".
- THE SCHEDULE ABOVE IS APPLICABLE FOR THE FOLLOWING CONDITIONS. IF THE FOLLOWING CONDITIONS ARE NOT MET MULTIPLY THE LENGTHS PROVIDED BY 1.5.

BARS NOT CONFINED BY TIES: CLEAR SPACING OF DEVELOPED OR SPLICED BARS NOT LESS THAN  $d_b$  AND CLEAR COVER NOT LESS THAN db

BARS CONFINED BY TIES: CLEAR SPACING OF DEVELOPED OR SPLICED BARS NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db

- ALL BAR TENSION LAP SPLICES ARE CLASS B UNLESS OTHERWISE NOTED.
- FOR 3 BAR BUNDLE MULTIPLY THE TENSION LAP SPLICE BY 1.2. FOR 4 BAR BUNDLE MULTIPLE THE TENSION LAP SPLICE BY 1.33.
- 8. FOR BAR SIZES #14 AND #18 USE MECHANICAL SPLICES.
- TENSION LAP SPLICES MAY BE SUBSTITUTED WITH MECHANICAL SPLICES WITH APPROVAL BY THE ENGINEER.







MATT CANO DIRECTOR OF PUBLIC WORKS

DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

WOOD RODGERS

4670 WILLOW ROAD, STE 125 TEL 925.847.1556 PLEASANTON, CA 94588 FAX 925.847.155

GEOTECHNICAL:

6455 ALMADEN EXPWY. STE 100

SAN JOSE, CA 95120 TEL 408.440.454

**ENVIRONMENTAL:** 

<u> Horizon</u> 266 GRAND AVE. STE 210 TEL 510.986.1850 DAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH,

THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REV	DATE	RE	ASON FOR ISSUE	
SCA	LE:	DRAWN BY:		
AS SHOWN			JFM	
DAT	E:		CHECKED BY:	
0	1/17/2022		AEJ	
SEC	TION MAN	IAGER:		
MA	ANAGER			
CPM	IS ID NUM	BER:		

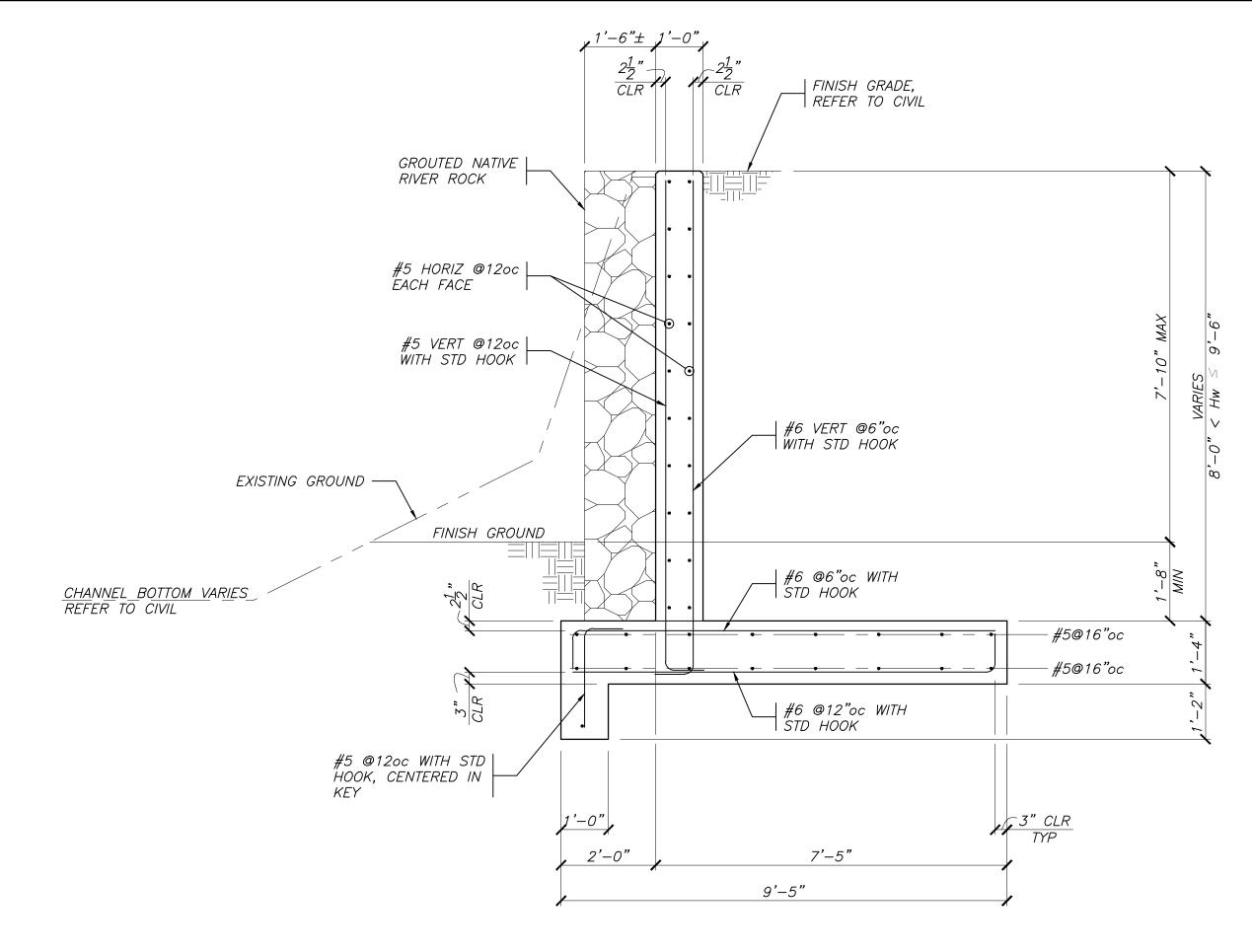
TYPICAL DETAILS

CPMS ID

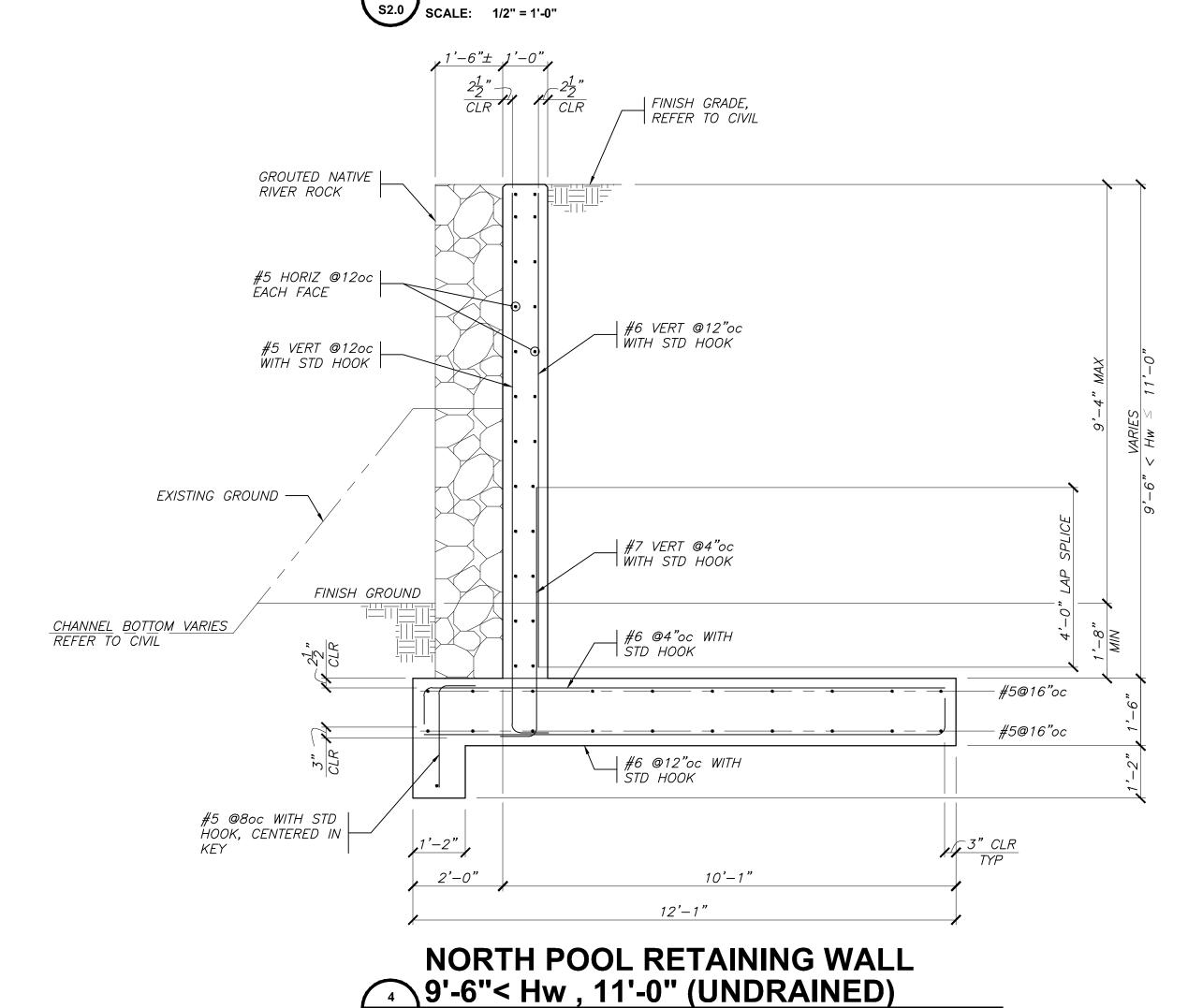
SHEET TITLE:

SHEET NUMBER: 20 OF 22

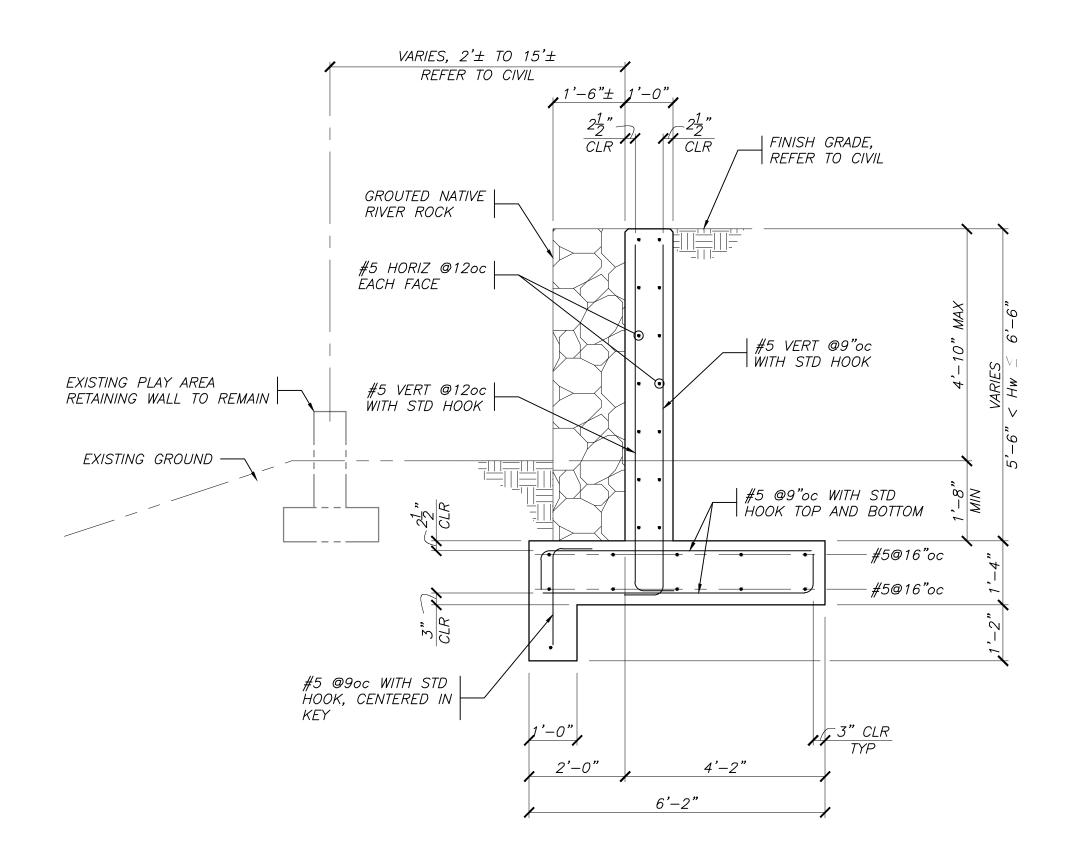
**S1.1** SHEET IDEN:



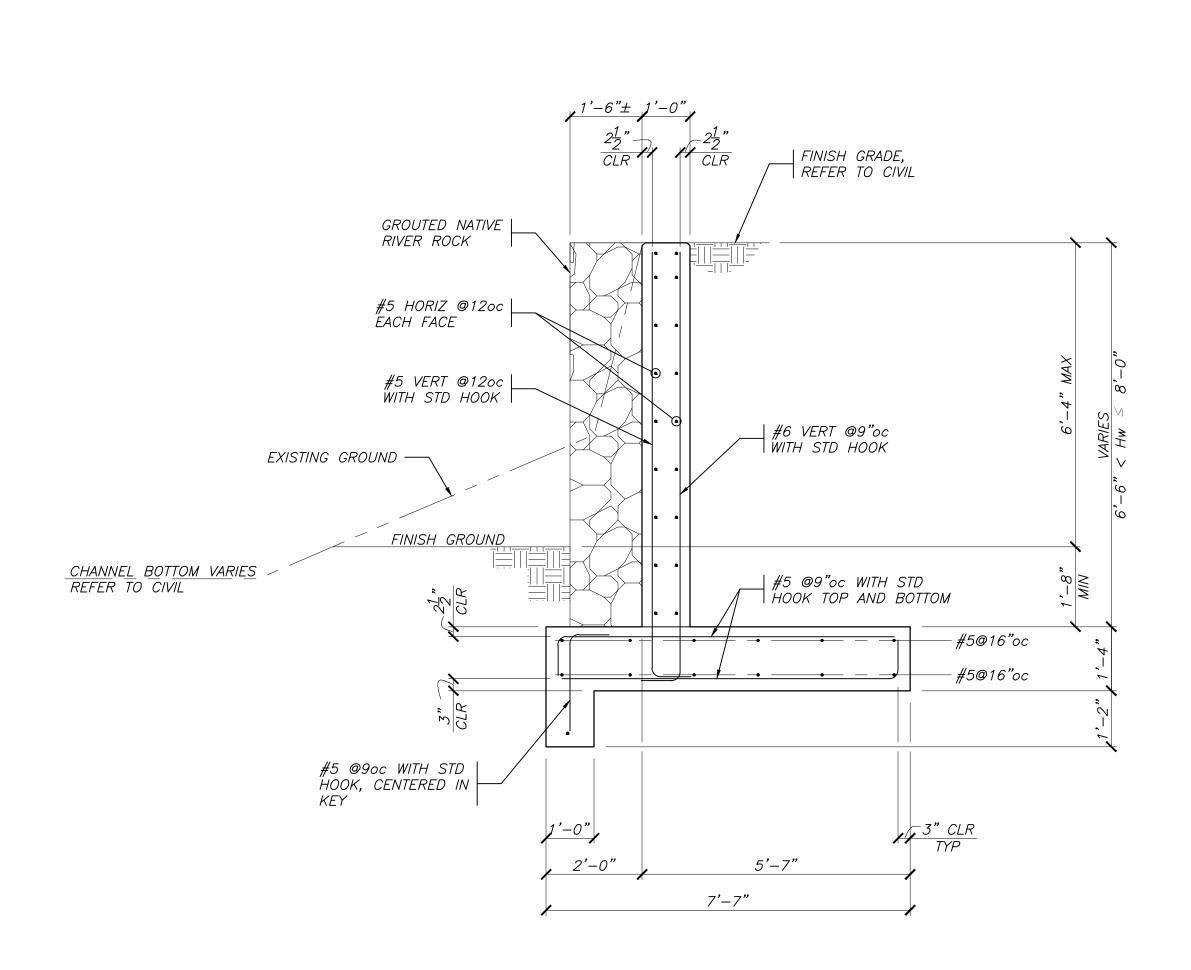
# NORTH POOL RETAINING WALL 3 8'-0" < Hw , 9'-6" (UNDRAINED) S2.0 SCALE: 1/2" = 1'-0"



S2.0 SCALE: 1/2" = 1'-0"



# NORTH POOL RETAINING WALL 5'-6" < Hw , 6'-6" (UNDRAINED) Scale: 1/2" = 1'-0"



NORTH POOL RETAINING WALL 6'-6"< Hw , 8'-0" (UNDRAINED) S2.0 SCALE: 1/2" = 1'-0"





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DESIGN TEAM:

CIVIL / STRUCTURAL / SURVEY:

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GEOTECHNICAL:

ENVIRONMENTAL:

Horizon WATER and ENVISOR 266 GRAND AVE. STE 210 TEL 510.986.1850 DAKLAND, CA 94610 FAX 510.350.3592

IF THIS DOES NOT MEASURE ONE INCH, THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REASON FOR ISSUE SCALE: DRAWN BY: AS SHOWN CHECKED BY: 01/17/2022 SECTION MANAGER: MANAGER CPMS ID NUMBER: CPMS ID SHEET TITLE:

NORTH POOL **RETAINING WALLS** 

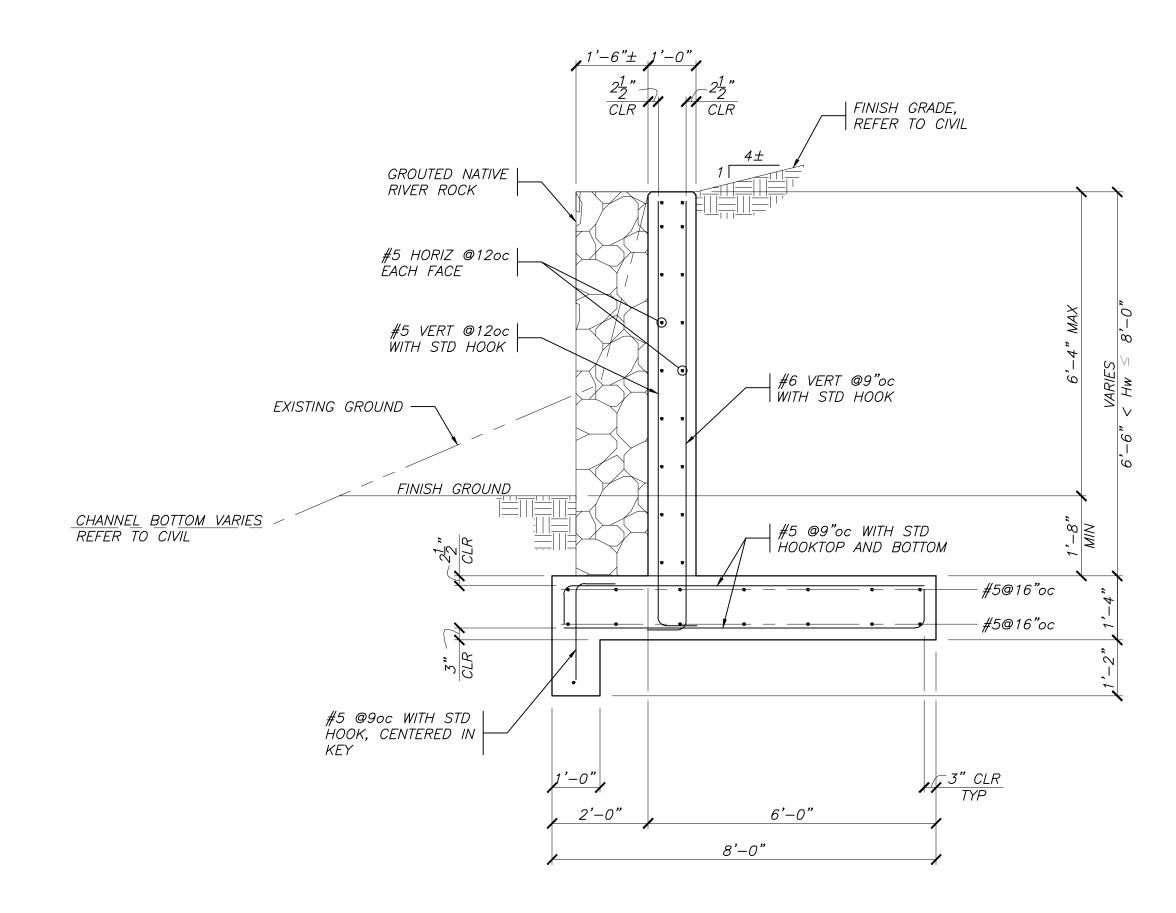
SHEET NUMBER: 21 OF 22

SHEET IDEN:

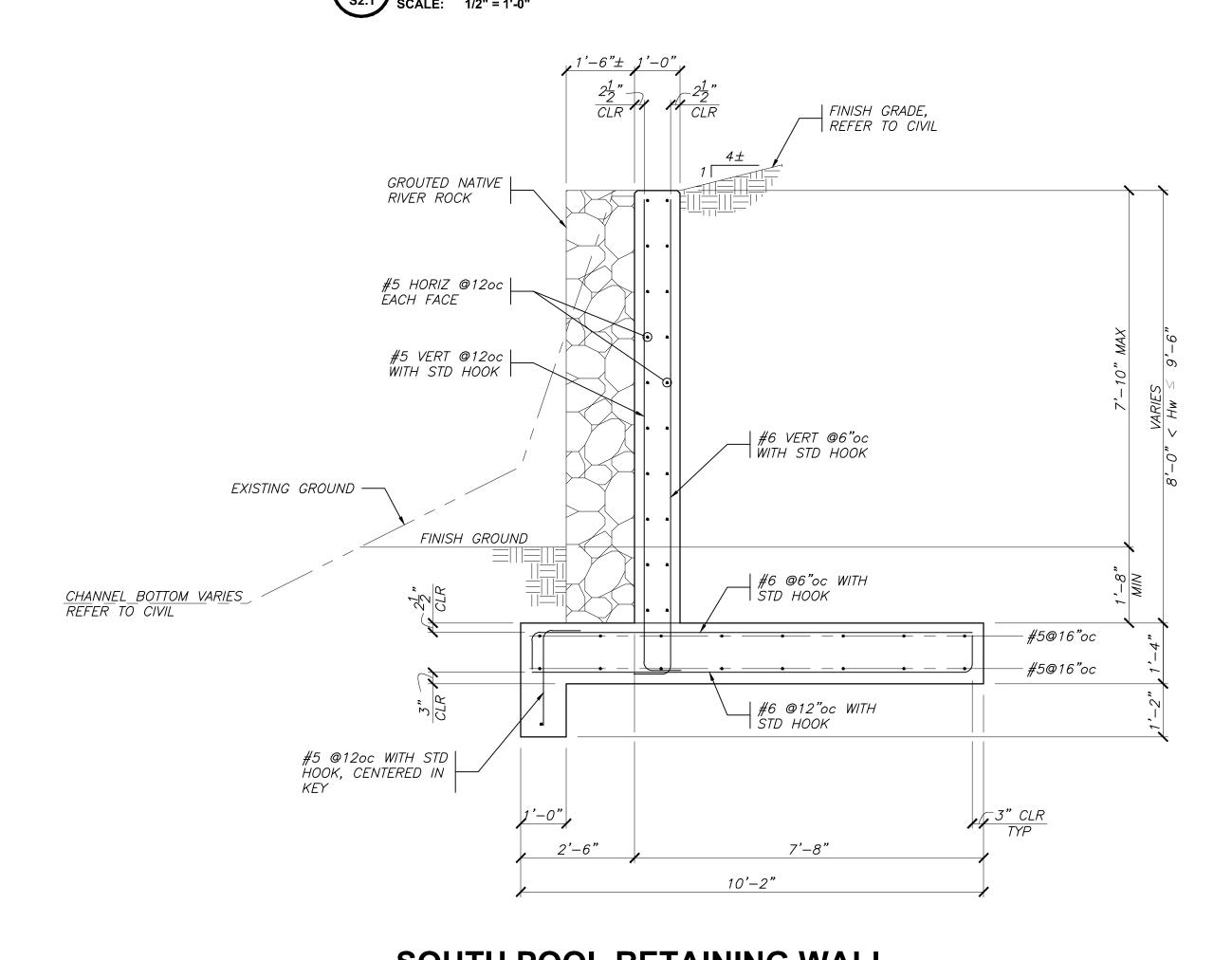
S2.0

PLAY AREA RETAINING WALL SCHEDULE (LEVEL BACKFILL - UNDRAINED)										
Hw	H <sub>W</sub> D <sub>F</sub> D <sub>K</sub> W1 W2 BAR "A" BAR "B" BAR "C"									
Hw ≤ 4'-6"	1'-2"	1'-2"	2'-0"	2'-6"	#5 @10"	#5 @10"	#5 @10"			
$4'-6" < Hw \le 6'-0"$	1'-2"	1'-2"	2'-0"	3'-6"	#5 @10"	#5 @10"	#5 @10"			
$6'-0" < Hw \le 7'-6"$	1'-2"	1'-2"	2'-0"	4'-6"	#5 @9"	#5 @9"	#5 <b>@</b> 9"			





# SOUTH POOL RETAINING WALL 6'-6"< Hw , 8'-0" (UNDRAINED) Scale: 1/2" = 1'-0"



SOUTH POOL RETAINING WALL 2 8'-0" < Hw , 9'-6" (UNDRAINED)

S2.1 SCALE: 1/2" = 1'-0"





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ENVIRONMENTAL:

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WATER AND ENVIRONME 266 GRAND AVE. STE 210 TEL 510.986.1850 DAKLAND, CA 94610 FAX 510.350.3592

> IF THIS DOES NOT MEASURE ONE INCH, THESE PLANS ARE NOT FULL SCALE.

PROJECT TITLE:

SAN JOSE FAMILY CAMP STORM DAMAGE REPAIR PROJECT

REASON FOR ISSUE SCALE: DRAWN BY: AS SHOWN CHECKED BY: 01/17/2022 SECTION MANAGER: MANAGER CPMS ID NUMBER:

SOUTH POOL AND PLAY AREA **RETAINING WALLS** 

SHEET NUMBER: 22 OF 22

SHEET TITLE:

S2.1 SHEET IDEN: