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COVER SHEET

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

GENERAL NOTES

1. TEMPORARY BENCHMARK - BASED ON A CITY APPROVED BENCHMARK AS SHOWN ON THESE PLANS.
2. ALL EXISTING ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
3. ALL SURVEY MONUMENTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON PLANS.
4. CONTRACTOR SHALL NOT DESTROY EXISTING PERMANENT SURVEY MONUMENTS.
5. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MORGAN HILL STANDARD DETAILS FOR CONSTRUCTION WHICH ARE HEREBY MADE A PART OF THESE PLANS. DEVIATIONS FROM THE STANDARD DETAILS MUST BE APPROVED BY THE CITY ENGINEER.
6. CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE CITY ENGINEER (MUNICIPAL CODE 17.32.250B) PRIOR TO COMMENCING ANY CONSTRUCTION. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT UPON COMPLETION OF SAID MEETING AND PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS WITHIN AN EXISTING OR OFFERED FOR DEDICATION RIGHT-OF-WAY, PUBLIC UTILITY EASEMENT OR PUBLIC SERVICE EASEMENT.
7. A GRADING PERMIT SHALL BE OBTAINED FROM THE CITY OF MORGAN HILL BUILDING DIVISION PRIOR TO ANY GRADING OF BUILDING PADS. APPLICANT FOR THE GRADING PERMIT SHALL PROVIDE A PLAN REVIEW LETTER FROM THE SOILS ENGINEER. A GRADING PERMIT DOES NOT GIVE CONTRACTOR PERMISSION TO COMMENCE OFF-SITE (STREET) GRADING. ONLY UPON CITY APPROVAL OF THE IMPROVEMENT PLANS AND COMPLETION OF A PRE-CONSTRUCTION MEETING, SHALL CONTRACTOR COMMENCE OFF-SITE GRADING.
8. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK PHASE. AT THAT TIME, AN "INSPECTION REQUEST FORM" SHALL BE COMPLETED TO ENSURE PROPER SCHEDULING OF AN INSPECTION WITH THE CITY ENGINEER'S REPRESENTATIVE.
9. CONTRACTOR SHALL PRESERVE ALL SURROUNDING PROPERTY BY CONFINING OPERATIONS TO WITHIN THE "LIMITS OF WORK". CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS FOR ALL ADJOINING RESIDENTS, PLACES OF BUSINESS, AND PROPERTIES AT ALL TIMES AND IN A SAFE MANNER. CONTRACTOR SHALL MAKE PROPER NOTIFICATION AT LEAST 24 HOURS IN ADVANCE OF ANY INTERRUPTION IN ACCESS OR SERVICE TO THE ABOVE PROPERTY OWNERS AS WELL AS TO THE CITY ENGINEER'S REPRESENTATIVE.
10. CONTRACTOR SHALL ONLY USE EQUIPMENT PROVIDED WITH A SPARK ARRESTOR DEVICE TO REDUCE A POTENTIAL FIRE HAZARD.
11. RIGHT OF MODIFICATION:

    APPROVAL OF THIS PLAN DOES NOT RELEASE OWNER OF THE RESPONSIBILITY FOR CORRECTION OF MISTAKES, ERRORS, OR OMISSIONS CONTAINED THEREIN. IF DURING THE COURSE OF CONSTRUCTION, PUBLIC INTEREST REQUIRES A MODIFICATION OF OR A DEPARTURE FROM THESE IMPROVEMENT PLANS OR THE CITY STANDARD DETAILS FOR CONSTRUCTION, THE CITY ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATIONS AND DEPARTURES AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.
12. OFF-SITE WATER & DUST CONTROL:

    CONTRACTOR SHALL PROVIDE A WATER TRUCK ONSITE AT ALL TIMES. CONTRACTOR WILL BE ALLOWED TO DRAW WATER FROM THE CITY OF MORGAN HILL WATER DISTRIBUTION SYSTEM ONLY AFTER OBTAINING A HYDRANT METER FROM THE PUBLIC WORKS DEPARTMENT AND AN INSPECTION OF THE WATER TRUCK FOR A PROPER BACKFLOW DEVICE OR "AIR-GAP" FILLING PIPE. CONTRACTOR SHALL KEEP DOWN DUST FROM CONSTRUCTION ACTIVITY TO THE MAXIMUM EXTENT POSSIBLE. CONTRACTOR SHALL CLEAN ALL EXISTING STREETS, CURBS, GUTTERS, AND SIDEWALKS AFFECTED BY THE PROJECT AT THE END OF EACH WORKING DAY.
13. MATERIAL STORAGE:

    NO MATERIAL SHALL BE STORED NEAR THE EDGE OF PAVEMENT, TRAVELED WAY, SIDEWALK, DRIVEWAY, OR SHOULDER LINE WHICH MAY CREATE A HAZARD FOR VEHICULAR AND PEDESTRIAN TRAFFIC. REFER TO SWIPPP BEST PRACTICES.
14. TRAFFIC CONTROL:

    CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL TO THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 5 DAYS PRIOR TO ANY WORK WITHIN AN EXISTING PUBLIC STREET. THE PLAN SHALL BE SIGNED BY A LICENSED TRAFFIC ENGINEER WHEN IT INVOLVES AN ARTERIAL STREET. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD) WHILE WORKING WITHIN THE PUBLIC RIGHT-OF-WAY. TWO TRAFFIC LANES (11' MIN.) SHALL BE OPEN TO VEHICULAR TRAFFIC DURING ALL HOURS, WEEKENDS, AND HOLIDAYS. ONE LANE ONE-WAY TRAFFIC MAY BE PERMITTED UNDER THE CONTROL OF NOT LESS THAN 2 (TWO) COMPETENT FLAGMEN DURING CONSTRUCTION OPERATIONS. STREET CLOSURES AND DETOURS SHALL ONLY TAKE PLACE UPON CITY ENGINEER APPROVAL AND POLICE DEPARTMENT COORDINATION.
15. TRENCH EXCAVATION:

    CONTRACTOR SHALL EXERCISE DILIGENCE IN REVIEWING THE APPROVED SOILS REPORT AND OTHER AVAILABLE RESOURCES TO FAMILIARIZE HIMSELF/HERSELF WITH THE SOIL CONDITIONS TO BE ENCOUNTERED IN THE COURSE OF WORK IDENTIFIED IN THESE PLANS. CONTRACTOR SHALL NOT CAUSE DAMAGE TO ADJACENT TREES OR EXISTING STRUCTURES ABOVE OR BELOW GRADE DURING TRENCH EXCAVATION. ALL ROCKS, BOULDERS, AND LARGE STONES ENCOUNTERED SHALL BE REMOVED TO PROVIDE A CLEARANCE OF 6 INCHES AROUND THE PIPE. THE TRENCH BOTTOM SHALL BE REFILLED TO GRADE WITH SAND, PEA GRAVEL, OR OTHER APPROVED GRANULAR MATERIAL. CLEAN 1/4" OR 1/2" PEA GRAVEL SHALL BE USED IN AREAS OF MOIST CONDITION, OR WHERE THE SOIL HAS A HISTORY OF SUB-SURFACE WATER. IF THE BOTTOM OF THE TRENCH IS FOUND TO CONSIST OF WET OR UNSTABLE MATERIAL INCAPABLE OF PROPERLY SUPPORTING THE PIPE, THE MATERIAL SHALL BE REMOVED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE UNSTABLE LAYER FOR THE FULL WIDTH OF THE TRENCH AND REPLACED WITH APPROVED GRANULAR MATERIAL. TRENCH EXCAVATION MATERIAL DEPOSITED ADJACENT TO THE TRENCH SHALL BE PLACED AND LOCATED TO PREVENT SPILLAGE INTO THE OPEN TRENCH.
16. TRENCH SAFETY:

    IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY TRENCH SAFETY MEASURES FOR EXCAVATIONS. ALL TRENCH SAFETY MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST CAL-OSHA GUIDELINES. CONTRACTOR SHALL PROVIDE EVIDENCE OF A CAL-OSHA TRENCHING PERMIT AT THE PRE-CONSTRUCTION MEETING.
17. EXCAVATIONS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED, COMPACTED, AND TEMPORARILY PAVED WITH COLD MIX "CUT BACK" TYPE A.C. TO ALLOW FOR VEHICULAR AND PEDESTRIAN TRAFFIC PRIOR TO 4:00 P.M. THE CITY ALSO REQUIRES THE USE OF HOT MIX "CUT BACK" TYPE A.C. FROM THE MONTHS OF OCT. THRU MAY. THE USE OF TRENCH PLATES IS ALLOWED, PROVIDED THE CONTRACTOR COVERS ALL EDGES OF THE PLATES WITH COLD MIX MATERIAL ON THE CITY'S ARTERIAL STREETS TRENCH PLATES NEED TO BE RECESSED SUCH THAT THE PLATES ARE FLUSH WITH THE EXISTING PAVEMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DAILY, INCLUDING WEEKENDS, THE AMOUNT OF MATERIAL NECESSARY TO MAINTAIN THE TRENCH SURFACE FLUSH WITH THE EXISTING STREET OR SIDEWALK. IN ADDITION, THE CONTRACTOR SHALL RESPOND TO AND CORRECT SHIFTING TRENCH PLATES REGARDLESS OF THE TIME OF DAY. IF CONTRACTOR FAILS TO CORRECT SINKING BACKFILL MATERIAL OR SHIFTING TRENCH PLATES IN A TIMELY MANNER, CITY SHALL RESERVE THE RIGHT TO CORRECT THE PROBLEM AND BACK CHARGE THE CONTRACTOR.
18. JOINING EXISTING PAVEMENT:

    EXISTING PAVEMENT WHICH IS TO BE JOINED BY NEW PAVEMENT SHALL BE SAW CUT VERTICAL TO PROVIDE STRAIGHT, TRUE AND NEAT JOINTS. OVERLAPPING OF EXISTING PAVEMENT WITHOUT SAW CUTTING OR GRINDING SHALL NOT BE PERMITTED. THE VERTICAL EDGES SHALL BE TACKED PRIOR TO PAVING. TERMINALS OF ALL SURFACING INDICATED ON THE PLANS SHALL JOIN ANY EXISTING SURFACE IN A SMOOTH BUTT JOINT. CONFORM PAVING BY METHOD OF ABRASIVE GRINDING WILL BE ALLOWED UPON APPROVAL OF THE CITY ENGINEER.
19. SANITARY SEWERS:

    ALL MANHOLES, SEWER MAINS, AND LATERALS MUST PASS A LEAKAGE TEST AS DESCRIBED IN THE CITY OF MORGAN HILL STANDARD DETAILS FOR CONSTRUCTION. AFTER ALL BACKFILL, TESTING, AND PAVEMENT RESTORATION HAS BEEN COMPLETED, THE CONTRACTOR SHALL FLUSH AND CLEAN ALL SEWER LINES 24 INCHES OR LESS IN DIAMETER BY THE "WAYNE BALL METHOD". AFTER THE LEAKAGE TEST, BUT PRIOR TO PAVING, A TELEVISION INSPECTION (W/ELECTRONIC COPIES) SHALL BE PERFORMED AT ALL LOCATIONS OF NEWLY INSTALLED SEWER MAINS AT CONTRACTOR'S EXPENSE. THE UNDERGROUND CONTRACTOR MUST KEEP AN ACCURATE RECORD OF MANHOLES AND THE DISTANCE BETWEEN THEM AND EACH WYE BRANCH LATERAL, AND THEIR DIRECTION. A HYDRO FLUSH AND WAYNE BALL METHOD MUST BE COMPLETED.
20. BEFORE ANY UPSTREAM SEWERS ARE CONSTRUCTED, THE CONTRACTOR SHALL VERIFY THE ELEVATION AND LOCATION OF EXISTING SEWER LINES TO BE CONNECTED.
21. THE END OF EACH NEW LATERAL SHALL BE MARKED AS SHOWN IN DETAIL S-2. THE CONCRETE CONTRACTOR SHALL STAMP AN "S" ON THE FACE OF CURB DIRECTLY ABOVE THE LATERAL.
22. WATER LINES:

    CONTRACTOR SHALL NOT TURN OFF OR ON ANY VALVES BELONGING TO THE CITY'S WATER SYSTEM. ONLY DEPARTMENT OF PUBLIC WORKS PERSONNEL SHALL OPEN THE NECESSARY VALVES TO CONNECT NEW LINES. FAILURE TO FOLLOW THIS REQUIREMENT SHALL BE CONSIDERED AN "UNLAWFUL CONNECTION" AND MAY RESULT IN ISSUING OF A CITATION AND FINES AS SPECIFIED IN SECTION 13.04 OF THE MORGAN HILL MUNICIPAL CODE.
23. CONNECTIONS REQUIRING SHUT DOWN OF THE SYSTEM SHALL BE DONE BETWEEN THE HOURS OF 12:00 MIDNIGHT AND 6:00 AM, AND ONLY UPON COORDINATION WITH THE DEPARTMENT OF PUBLIC WORKS.
24. ALL WATER LINES SHALL BE TESTED AFTER COMPLETION OF THE TRENCH BACKFILL AND COMPACTION OF THE FINAL BASE MATERIAL, BUT PRIOR TO PLACEMENT OF THE FINAL ROADWAY SURFACE.
25. CONTRACTOR SHALL PLACE MARKER POSTS ADJACENT TO ALL AIR RELIEF VALVES AND BLOW OFF ASSEMBLIES ALONG WATER MAINS LOCATED IN UNIMPROVED AREAS OR FIELDS. THE POSTS SHALL BE PRESSURE TREATED REDWOOD 4"X4"X6', PAINTED WHITE, BURIED 2'-6", AND INSCRIBED WITH "W/A.V." (FOR AIR RELIEF VALVES) OR "B.O." (FOR BLOW OFF ASSEMBLIES), IN 3 INCH HIGH CARVED LETTERS PAINTED BLUE.
26. THE CONCRETE CONTRACTOR SHALL STAMP A LETTER "W" ON THE FACE OF CURB DIRECTLY ABOVE THE WATER SERVICE.
27. BACKFILL & COMPACTION:

    BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED UP TO AT LEAST 6" ABOVE THE PIPE. WHEN USING NATIVE SOIL AS TRENCH BACKFILL, THE MINIMUM SAND COVER SHALL BE 12".
28. JETTING AND/OR FLOODING OF TRENCH BACKFILL MATERIAL WILL BE PERMITTED ONLY IF APPROVED BY THE SOILS ENGINEER AND CITY ENGINEER. (FOR PUBLIC AREAS ONLY)
29. ANY EXCESS EXCAVATION MATERIAL MAY BE DEPOSITED ONSITE IN AREAS AND AT DEPTHS DESIGNATED BY THE OWNER, AND WITH APPROVAL OF THE CITY ENGINEER.
30. THE MINIMUM RELATIVE COMPACTION FOR TRENCH BACKFILL, SUBGRADE AND BASE MATERIAL SHALL BE 95% THROUGHOUT THE PROJECT UNLESS RECOMMENDED OTHERWISE IN THE SOILS REPORT AND APPROVED BY THE CITY ENGINEER.
31. IF TRENCH BACKFILL MATERIAL IS 100% SAND, THE CITY SHALL CONDUCT COMPACTION TESTS OF THE LIFTS SPECIFIED. IF THE TRENCH BACKFILL MATERIAL IS NATIVE SOIL, CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS OF THE LIFTS SPECIFIED IN THE SOILS REPORT TO THE CITY ENGINEER FROM A CERTIFIED TESTING LABORATORY AT CONTRACTOR'S EXPENSE.
32. ANY AGGREGATE BASE THAT BECOMES CONTAMINATED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED BASE.
33. EROSION AND SEDIMENT CONTROL:
    AN EROSION AND SEDIMENT CONTROL PLAN SHALL BE REQUIRED PRIOR TO ANY PHYSICAL DEVELOPMENT OF A PROPERTY. EROSION CONTROL SHALL BE PLANNED BETWEEN SEPTEMBER 1ST AND MAY 1ST, AND SEDIMENT CONTROL SHALL BE PLANNED YEAR-ROUND FOR THE LIFE OF THE PROJECT. SAID PLANS SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FOR STORMWATER BEST MANAGEMENT PRACTICES (BMPS). CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING THE REQUIRED CONTROL MEASURES. CASQA BMP INFORMATION CAN BE VIEWED AND DOWNLOADED AT HTTP://WWW.CASQA.ORG/RESOURCES/BMP-HANDBOOKS/CONSTRUCTION.
34. CURB INLET STENCILING OR MEDALLION:

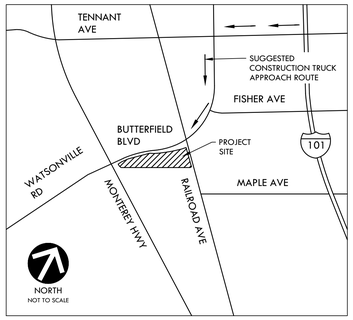
    NEXT TO ALL CURB INLETS, SHALL HAVE A THERMOPLASTIC STENCILING OR MEDALLION "NO DUMPING, DRAINS TO CREEK" SEE DETAIL SD-11.
35. ELECTROLIERS:

    ALL ELECTROLIERS SHALL BE INSTALLED BY THE CONTRACTOR (AT THE LOCATIONS SHOWN ON THESE PLANS). SEE ELECTRICAL SECTION OF THE STANDARD DETAILS.

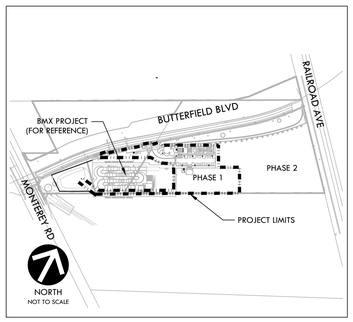
    30 LED @ RESIDENTIAL
    50 LED @ COLLECTOR
    80 LED @ ARTERIAL
36. MONUMENTATION:

    A. OWNER/CONTRACTOR SHALL INSTALL ALL MONUMENTS, MONUMENT WELLS AND CORNER PIPES AS NOTED ON FINAL OR PARCEL MAP.
    B. PRIOR TO OCCUPANCY OF THE FINAL UNIT, OWNER/CONTRACTOR SHALL OBTAIN THE SERVICES OF THE SURVEYOR OF RECORD TO VERIFY THAT ALL MONUMENTATION IS IN PLACE.
    C. EXISTING OR NEW MONUMENTS THAT ARE DESTROYED SHALL BE RECONSTRUCTED AND SET AT OWNER'S/CONTRACTOR'S COST. SURVEYOR SHALL FILE NECESSARY CORNER RECORD WITH COUNTY AND PROVIDE A COPY OF THE FILING AT THE BUILDING AND ENGINEERING DIVISION OF LAND DEVELOPMENT.
    D. A LETTER OF COMPLIANCE OF ITEMS A, B & C SHALL BE PROVIDED TO THE BUILDING AND ENGINEERING DIVISION PRIOR TO ACCEPTANCE OF THE PUBLIC IMPROVEMENTS.

PROJECT MAPS



VICINITY MAP



SITE MAP

IMPROVEMENT PLANS FOR

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

BID SUBMITTAL

MORGAN HILL, CA 95037
THE CITY OF MORGAN HILL
VERDE DESIGN, INC. PROJECT NO. 2214701

SCOPE OF WORK

SITE IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE CLEARING AND GRUBBING OF EXISTING CITY LAND WITH ASSOCIATED DEMOLITION. CONTRACTOR SHALL COMPLETE: EARTHWORK AND GRADING OPERATIONS, INCLUDING THE INSTALLATION OF NEW ASPHALT PARKING LOT, PLANTING IN PARKING LOT, STORMWATER CONTROL PLANTINGS AND SOILS, IRRIGATION, CONCRETE PAVING, PLAYGROUND WITH SYNTHETIC TURF PLAY SURFACE, MODULAR RESTROOM BUILDING, CURBS AND EDGEBANDS, CHAIN LINK FENCING AND GATES, A PICNIC AREA WITH TABLES AND STABILIZED DECOMPOSED GRANITE SURFACING. UTILITY INSTALLATION WILL INCLUDE SANITARY SEWER, STORM DRAIN, AND DOMESTIC WATER AND STUB OUTS FOR BMX AREA AND FUTURE PHASE 2 IMPROVEMENTS. ELECTRICAL SCOPE TO INCLUDE PARKING LOT LIGHTING, PEDESTRIAN LIGHTING, BUILDING POWER, BMX SERVICE, AND EV CHARGERS.

GENERAL NOTES

1. PRIOR TO BIDDING, THE GENERAL CONTRACTOR SHALL VISIT & INSPECT THE SITE & FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AFFECTING THE NEW WORK. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL NOTIFY THE CITY OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2. NO CONSTRUCTION SHALL COMMENCE WITHOUT THE OFFICIAL NOTICE TO PROCEED FROM THE CITY.
3. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ROUTING LOCATIONS AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE CITY, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL OF THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT. VERIFY ACTUAL LOCATION AND DEPTH OF UTILITIES, AND REPORT POTENTIAL CONFLICTS TO THE CITY PRIOR TO EXCAVATING FOR NEW FACILITIES.
4. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT, IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES CAUSED BY ITS OPERATIONS.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS WITHIN SITE IMPROVEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THEIR ORIGINAL CONDITION OR BETTER AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
6. DIMENSIONS AND LOCATIONS OF EXISTING FACILITIES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY.
7. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA FIRE CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, AS WELL AS ADAPTED STANDARDS.
8. ALL NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO, THE WRITTEN SPECIFICATIONS AND DETAILS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
9. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT SPECIFICATIONS PUBLISHED IN BOOK FORM. COMBINED, THEY ARE HEREIN REFERRED TO AS THE "CONTRACT DOCUMENTS".
10. DIMENSIONS ON WORKING DRAWINGS TAKE PRECEDENCE OVER MEASURED ELEMENTS. CONTRACTOR SHALL NOT SCALE DRAWINGS.
11. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT-OF-WAY AT ALL TIMES.
13. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
14. ANY ALTERATIONS OF EXISTING FACILITIES TO ACCOMMODATE THE INSTALLATION OF NEW WORK SHALL BE REVIEWED BY THE CITY PRIOR TO COMMENCING WORK.
15. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
16. THE PLANS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER CONTROL/OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, THE CONTRACTOR SHALL PROVIDE AN ITEM WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN PRICE.
17. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
18. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE, THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
19. NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK AND IS SUBJECT TO REJECTION AND REPLACEMENT. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
20. CONSTRUCTION MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED SO AS TO PREVENT DAMAGE OR DETERIORATION UNTIL USED. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK.
21. ALL EQUIPMENT SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
22. CONTRACTOR SHALL PERFORM THEIR CONSTRUCTION AND OPERATIONS IN A MANNER WHICH WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) AS OUTLINED IN THE BROCHURES ENTITLED "BEST MANAGEMENT PRACTICE FOR THE CONSTRUCTION INDUSTRY" ISSUED BY THE CALIFORNIA STORM WATER QUALITY ASSOCIATION, NONPOINT SOURCE POLLUTION CONTROL PROGRAM, TO SUIT THE CONSTRUCTION SITE AND JOB CONDITION. THE CONTRACTOR SHALL PRESENT THEIR PROPOSED BMP AT THE PRECONSTRUCTION MEETING FOR DISCUSSION AND APPROVAL.
23. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING PER CONTRACT DOCUMENTS TO SERVE LIMIT OF WORK AREAS. FENCING MAY BE ADJUSTED DURING CONSTRUCTION BASED ON CONSTRUCTION SEQUENCE OR THE CITYS DIRECTION.
24. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE STREET RIGHT-OF-WAY SHALL NOT BE PERMITTED.
25. FIRE SAFETY DURING CONSTRUCTION & DEMOLITION WILL BE ENFORCED IN ACCORDANCE WITH CBC & CFC CHAPTER 33.

NOTE:
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

PLAN REVIEW NOTES

1. PROJECT INFORMATION:
   1.1. CITY RESUBMITTAL DATE: 5.17.24
   1.2. PROJECT APPLICANT: VERDE DESIGN INC., MICHAEL KUNTZ
   1.3. PROJECT ADDRESS: APN: 817-06-064, APN: 817-06-003, APN: 817-06-002
   1.5. PROJECT TYPE: PUBLIC PARK
   1.6. TOTAL LANDSCAPE AREA (SF): 7,203 SF.
   1.7. WATER SUPPLY TYPE: POTABLE
   1.8. LOCAL WATER PURVEYOR: CITY OF MORGAN HILL
2. SOME SLOPES PROPOSED IN THE GRADING PLAN EXCEED 25%.
3. MASS GRADING IS PLANNED, THEREFORE A SOIL ANALYSIS REPORT CAN BE SUBMITTED AS PART OF CERTIFICATE OF COMPLETION.
4. AFTER INSTALLATION OF LANDSCAPING ON PROPERTY, I AGREE TO HAVE AN IRRIGATION AUDIT, LANDSCAPE AUDIT, IRRIGATION SCHEDULE, AND MAINTENANCE SCHEDULE CONDUCTED BY A CERTIFIED IRRIGATION AUDITOR AND SUBMIT IT TO THE CITY FOR FINAL PROJECT SIGN OFF.

   OWNER/DEVELOPER _____
5. THE DEVELOPER WILL SUBMIT RECEIPTS AND/OR INVOICES FOR ALL COMPOST AND MULCH PURCHASES TO ENVIRONMENTAL SERVICES DIVISION AFTER FINAL CONSTRUCTION.

   OWNER/DEVELOPER _____
6. I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN

   DEREK MCKEE _____
7. I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE.

   DEREK MCKEE _____

LANDSCAPE DOCUMENTATION CHECKLIST

- ☒ LANDSCAPE DESIGN PLANS
- ☒ IRRIGATION PLANS
- ☒ SOIL MANAGEMENT REPORT
- ☒ GRADING DESIGN PLAN
- ☒ COLOR CODED HYDROZONE MAP
- ☒ WATER BUDGET CALCULATION

PREPARED BY

VERDE DESIGN
LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
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fax: 408.985.7260
www.VerdeDesigninc.com

REGISTERED LANDSCAPE ARCHITECT
DEREK MCKEE
Signature
EXPIRATION DATE: DEC. 2025
STATE OF CALIFORNIA

AKH
Structural Engineers, Inc
275 Tennant Avenue, Ste. B ph: 408.978.1970
Morgan Hill, California 95037 web: AKHSE.com

REGISTERED PROFESSIONAL ENGINEER
TIM D. HYDE
No. S3260
EXP. 3/31/25
STRUCTURAL
STATE OF CALIFORNIA

American Consulting Engineers Electrical, Inc.
1590 The Alameda, Suite 200 Phone 408.236.2312
San Jose, California 95126 Fax 408.236.2316

REGISTERED PROFESSIONAL ENGINEER
SAMMY S. FERNANDEZ
E16890
Exp. 06/30/25
ELECTRICAL
STATE OF CALIFORNIA

CONTACT INFORMATION

ORGANIZATION	NAME	PHONE
OWNER		
CITY OF MORGAN HILL	CHRIS GHIONE	(408) 782-9154
LANDSCAPE ARCHITECT		
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	DANIEL COLLAZOS	(408) 850-3423
	MICHAEL KUNTZ	(408) 850-3463
CIVIL ENGINEER		
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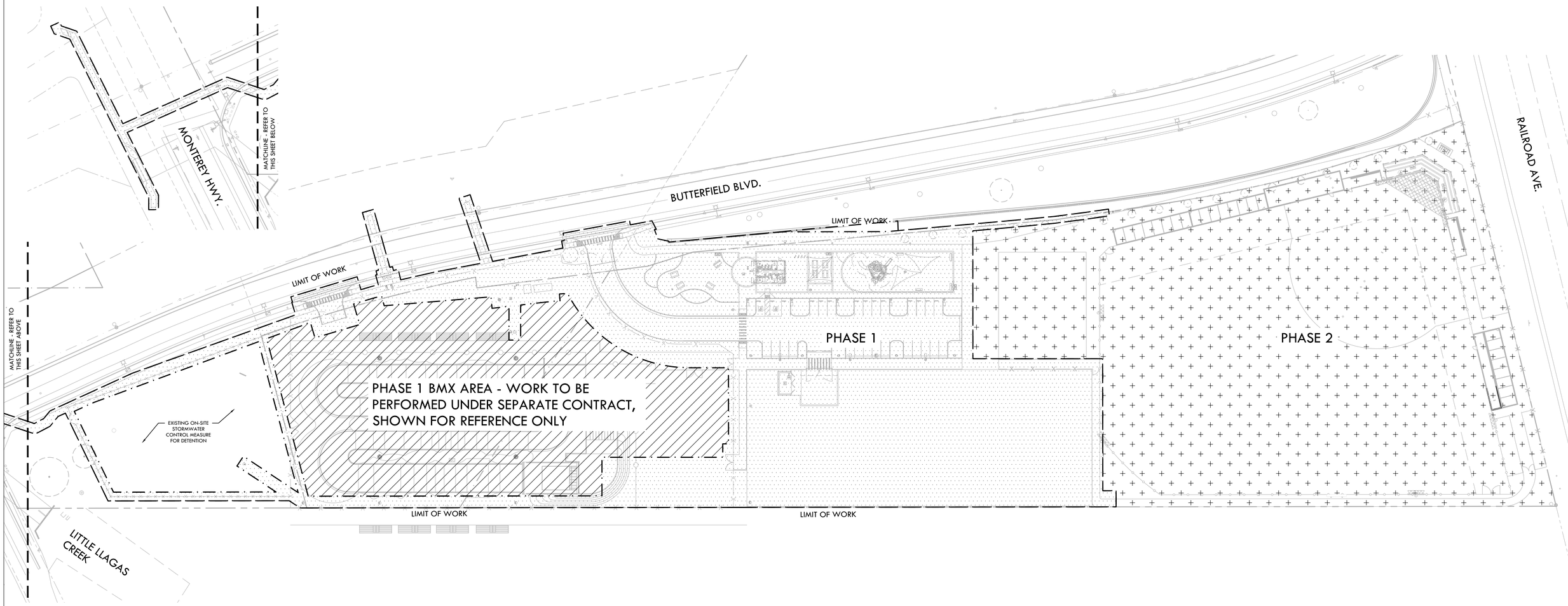
STRUCTURAL ENGINEER		
AKH STRUCTURAL ENGINEERS, INC.	TIM HYDE	(408) 978-1970
ELECTRICAL ENGINEER		
AMERICAN CONSULTING ENGINEERS ELECTRICAL, INC.	SAMMY FERNANDEZ	(408) 236-2312

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
C0.0	COVER SHEET
L0.1	PHASING PLAN
L0.2	ACCESSIBILITY PLAN
L1.1-L1.3	EXISTING CONDITIONS AND SURVEY PLAN (FOR REFERENCE ONLY)
L2.1	EROSION AND SEDIMENT CONTROL PLAN
L3.1-L3.2	DEMOLITION PLAN
L4.1 - L4.3	GRADING PLAN
L5.1 - L5.2	DRAINAGE AND UTILITY



NORTH 0' 20' 40' 80' 120'

CITY COMMENT REVISIONS 5/17/24

PHASING PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: MK DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT MOSS No. 6148 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

PHASING PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L0.1

DWG File: Y:\Projects-SC\2022\2214701 - Mtl Butterfield Park Phase 1 Development\CAD_PHASE-L0.1.dwg

NOTE:
TO MEET CBC (California Building Code 11B-240, 240.1, 240.2), CONTRASTING STRIPES MUST BE PROVIDED BETWEEN ADJACENT PLAY COMPONENTS.
IT IS THE MANUFACTURERS OPINION THAT THIS WILL MEET THE California Building Code 11B-240, 240.1, 240.2, AFTER STRIPING HAS BEEN ADDED

(E) = ELEVATED EVENT, ACCESSIBLE BY TRANSFER

(G) = ACCESSIBLE GROUND LEVEL EVENT

= ACCESSIBLE ROUTE TO ACCESSIBLE ELEVATED EVENTS

= ACCESSIBLE ROUTE TO ACCESSIBLE GROUND LEVEL EVENTS.

2-5 ACCESSIBLE ELEVATED COMPONENTS:
LAVA ROCK SLIDE
BELL SPIDOL CLIMBER
LUMBER LADDER CLIMBER
CLOUD BELT CLIMBER
STEERING WHEEL
SINGLE SLIDE

2-5 ACCESSIBLE GROUND LEVEL COMPONENTS:
PINWHEEL TALK TUBE
CRAWL TUNNEL
CRAWL TUNNEL SLIDER DISCS
STORE FRONT PANEL
WE-DAN

TYPES:
SOUND/MUSIC
CRAWLING
INTERACTIVE
TABLE/COUNTER
ROCKING

5-12 ACCESSIBLE ELEVATED COMPONENTS:
BELT CLIMBER
SPIRAL CLIMBER
ROLLER SLIDE
FLEX CLIMBER
STAR SEEKER BELTING

5-12 ACCESSIBLE GROUND LEVEL COMPONENTS:
CUPOLA SPINNER
DOGLE SWING
SWIGGLE KNOTS CLIMBER
HORIZONTAL LADDER
WOBBLE POSTS
COLOR SPLASH PANEL

TYPES:
SPINNING
SWINGING
CLIMBING
UPPER BODY
BALANCE
INTERACTIVE

= Turning Space (ADA Requirement – 60" Diameter)

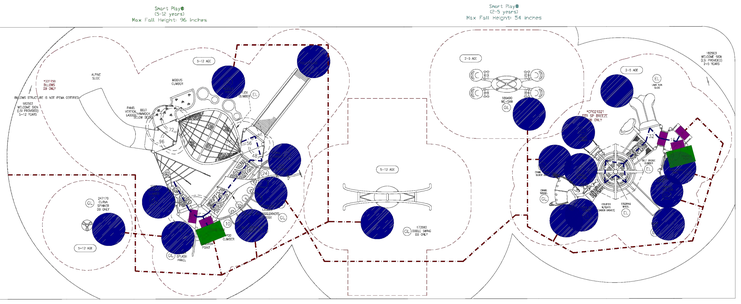
= Parking/Clear Ground Space (ADA Requirement – 30" x 48" parallel and centered on transfer point opening)

= Transfer Space (ADA requirement – 24" wide by 14" deep)

8 = Transfer Step (Continuation of accessible route from grade to transfer point) (ADA requirement – 8" high by 24" wide by 14" deep)

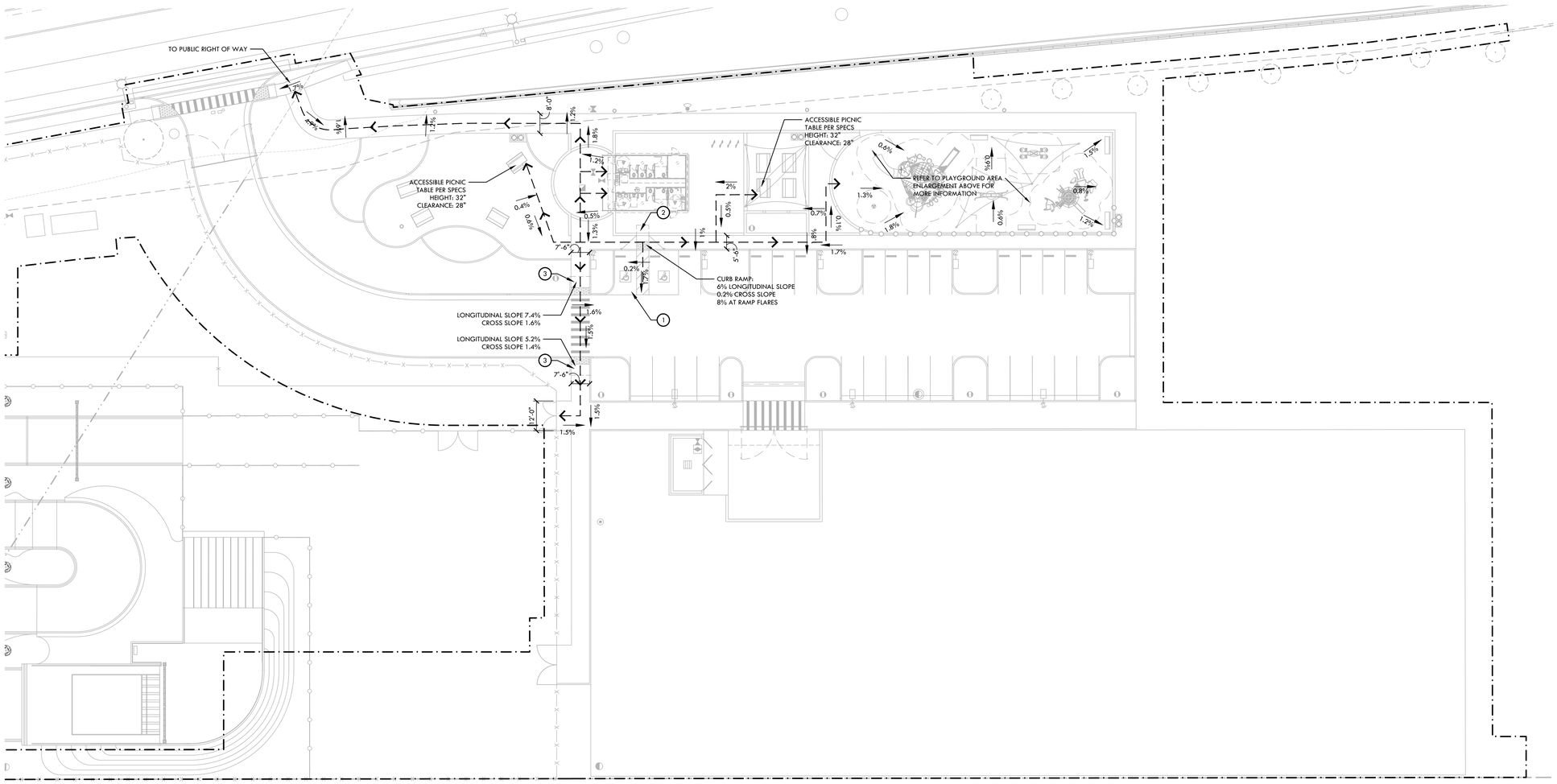
16 = Transfer Point Height (ADA Requirement 11-18")

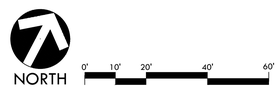
24+ = Transfer Steps (Continuation of accessible route from transfer point to deck) (ADA requirement – 8" high by 24" wide by 14" deep)



PLAYGROUND AREA ENLARGEMENT

NTS





ACCESSIBILITY PLAN NOTES

1. ACCESSIBLE PATH OF TRAVEL (POT) AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING ½" BEVELED AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING ¼" MAX. AND A LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.

2. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". LANDSCAPE ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

3. ACCESSIBLE PARKING
SIGNAGE REQUIREMENTS: THE AMENDED REGULATIONS INDICATE THAT THE SIGNAGE AT ACCESSIBLE PARKING SPACES SHALL INCLUDE "MINIMUM FINE $250" BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS EITHER AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE. THIS FINE POSTING REQUIREMENT IS IN ADDITION TO OTHER SIGNAGE REGULATIONS CONTAINED IN THE CALIFORNIA BUILDING CODE FOR ACCESSIBLE PARKING SPACES.

4. STRIPING REQUIREMENTS:
THE REVISED REGULATIONS INDICATE THAT THE ACCESSIBLE PARKING SPACE STRIPING SHALL BE AS FOLLOWS. THE BORDER (PERIMETER) SHALL BE PAINTED BLUE. THE HATCHING WITHIN THE LOADING AND UNLOADING ACCESS AISLE SHALL BE PAINTED A SUITABLE CONTRASTING COLOR TO THE PARKING SPACE AT 3'-0" MAXIMUM ON CENTER. BLUE OR WHITE PAINT IS PREFERRED.

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERNATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS; WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATION INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

6. DURING CONSTRICTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLAINT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

KEYNOTES

SYM	DESCRIPTION	DTL REF
POT	ACCESSIBLE PATH OF TRAVEL - MAX. CROSS SLOPE 2%	
	LIMIT OF WORK	
1	ACCESSIBLE PARKING STALL	C D2.2
2	CURB RAMP - TYPE 1	F D2.2
3	CURB RAMP - TYPE 2	G D2.2

NO.	DESCRIPTION	DATE	BY
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Revisions

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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — DEREK MOSS — No. 6145 — EXPIRATION DATE: DEC. 2025 — STATE OF CALIFORNIA

ACCESSIBILITY PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L0.2

DWG File: Y:\Projects-SC\2022\2214701 - Mtn Butterfield Park Phase 1 Development\CAD_ACC.dwg

AS-BUILT LEGEND

1. DOMESTIC WATER AS-BUILT INFORMATION PROVIDED BY CITY OF MORGAN HILL, DATED 11-9-22 AS SHOWN, TO BE VERIFIED IN FIELD

SYM	DESCRIPTION
	EXISTING 12" DOMESTIC WATER MAINLINE

KEY NOTE LEGEND

1. TREE INFORMATION PROVIDED BY VERDE DESIGN, NOT A PART OF THE SURVEY.

SYM	DESCRIPTION
1	EXISTING VALLEY OAK (QUERCUS LOBATA) DBH RANGES FROM 6" - 10"+/-
2	EXISTING UNIDENTIFIED TREE DBH APPROX. 8"+/-
3	EXISTING UNIDENTIFIED TREE DBH APPROX. 20"+/-

UNDERWOOD & ROSENBLUM, INC.
civil engineers and surveyors
1630 Oakland Road Ste. A114 San Jose, Ca. 95131
Tel. No. (408) 453 1222 Fax No. (408) 453 1207

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UTILITY NOTE: THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS EXHIBIT WAS OBTAINED BY THE USE OF VISUAL INSPECTION AND RECORD INFORMATION. UNDERGROUND UTILITIES ARE SOMETIMES NOT DETECTED OR INACCURATELY MAPPED BY OTHERS. "POTHOLING" IS REQUIRED TO VERIFY THE EXISTENCE OR EXACT LOCATION OF ANY UNDERGROUND UTILITY.

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BASIS OF BEARINGS: THE BEARING OF N53°49'53"E SHOWN AS THE MONUMENT LINE OF BUTTERFIELD BOULEVARD ON THE RECORD OF SURVEY FILED IN BOOK 880 OF MAPS AT PAGES 16–22 WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS EXHIBIT.

BENCHMARK: VALLEY WATER BENCHMARK 341: BRASS DISK ON EASTERLY SIDE OF WATSONVILLE ROAD; 450 FEET SOUTHWESTERLY OF THE CENTERLINE OF CALLE SUENO; ON THE TOP OF A 12 INCH WIDE, 2.75 FEET TALL CONCRETE HEADWALL; AT THE NORTHEAST CORNER OF WATSONVILLE ROAD BRIDGE. UNINCORPORATED SANTA CLARA COUNTY ELEVATION 326.47'. NAVD88.

CONTOUR INTERVAL: ONE FOOT

LEGEND

>.	ANGLE POINT	I.P./IP	IRON PIPE
A	INCLUDED DELTA ANGLE	G	GROUND
AC	ASPHALT[IC] CONCRETE	GD	GRANT DEED
AC.	ACRE[S]	L	LENGTH
A.P.N.	ASSESSOR'S PARCEL NUMBER	M	[OF] MAPS
		MH	MAINTENANCE HOLE
BC	BEGIN CURVE	N	NORTH
BK.	BOOK	O.R./OR	[OF] OFFICIAL RECORDS
BTM	BOTTOM	PG.	PAGE
CB	CATCH BASIN	POC	POINT ON CURVE
CLF	CHAIN LINK FENCE	R	RADIUS
C.N.A.	CAN NOT OPEN	R/S	RECORD OF SURVEY
COM	COMMUNICATIONS	RTWL	RETAINING WALL
CONC	CONCRETE	S	SOUTH
E	EAST	SDMH	STORM DRAIN MAINTENANCE HOLE
EB	ELECTRIC[AL] BOX	SFNF	SEARCHED FOR, NOT FOUND
EC	EDGE OF CONCRETE	SSMH	SANITARY SEWER MAINTENANCE HOLE
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
FNC	FENCE	UNK	UNKNOWN
ICV	IRRIGATION CONTROL VALVE	U.P.R.R.	UNION PACIFIC RAILROAD
IEI	INVERT ELEVATION IN	W	WEST
IEO	INVERT ELEVATION OUT	W/	WITH
IET	INVERT ELEVATION THROUGH		
INV	INVERT		

LOT LINE
ADJOINER LOT LINE
RIGHT OF WAY LINE
INTERIOR LOT LINE
MONUMENT LINE
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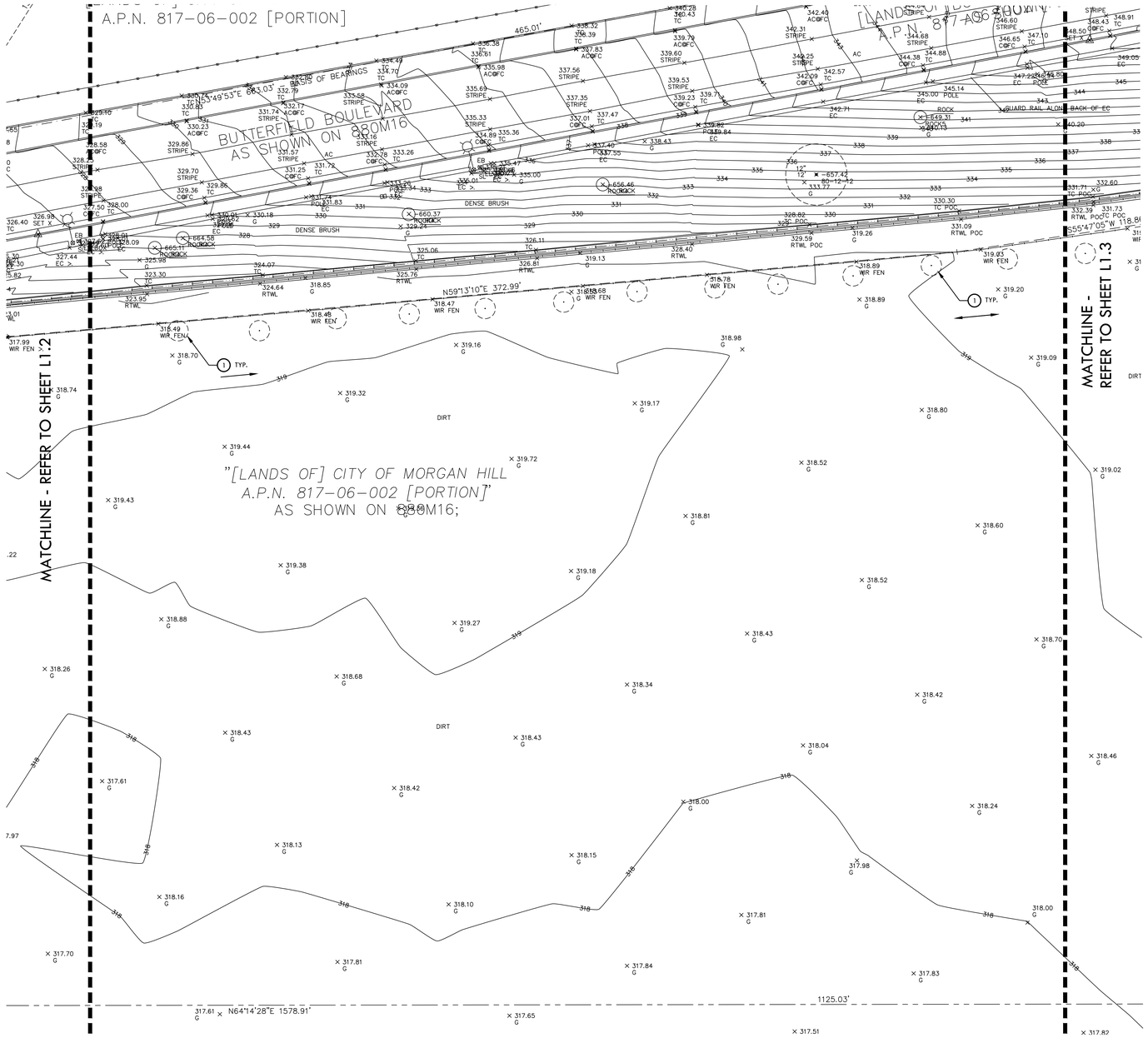
EASEMENT LINE
FLOW LINE
FENCE LINE
GUARD RAIL LINE
STORM DRAIN LINE
SANITARY SEWER LINE
EDGE OF HARDSCAPE
CURB LINE

FIRE HYDRANT
ICV IRRIGATION CONTROL VALVE
STORM DRAIN MAINTENANCE HOLE
SANITARY SEWER MAINTENANCE HOLE
SIGN
STREET LIGHT
SURVEY CONTROL POINT
4" / 2" TREE WITH TRUNK DIAMETER AND DRIP LINE RADIUS
FOUND MONUMENT AS NOTED
100.00 G SPOT ELEVATION WITH DESCRIPTION
100 INDEX ELEVATION CONTOUR
99 INTERMEDIATE ELEVATION CONTOUR



NORTH 0' 10' 20' 40' 60'

CITY COMMENT REVISIONS 5/17/24

EXISTING CONDITIONS AND SURVEY PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR: BY: DATE:

DRAWN: U&R DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

EXISTING CONDITIONS AND SURVEY PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L1.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_exc.dwg

AS-BUILT LEGEND

1. DOMESTIC WATER AS-BUILT INFORMATION PROVIDED BY CITY OF MORGAN HILL, DATED 11-9-22 AS SHOWN, TO BE VERIFIED IN FIELD

SYM	DESCRIPTION
	EXISTING 12" DOMESTIC WATER MAINLINE

UNDERWOOD & ROSENBLUM, INC.
civil engineers and surveyors
1630 Oakland Road Ste. A114 San Jose, Ca. 95131
Tel. No. (408) 453 1222 Fax No. (408) 453 1207

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CONTOUR INTERVAL: ONE FOOT

KEY NOTE LEGEND

1. TREE INFORMATION PROVIDED BY VERDE DESIGN, NOT A PART OF THE SURVEY.

SYM	DESCRIPTION
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2	EXISTING UNIDENTIFIED TREE DBH APPROX. 8"+/-
3	EXISTING UNIDENTIFIED TREE DBH APPROX. 20"+/-

LEGEND

>	ANGLE POINT	I.P./IP	IRON PIPE
Δ	INCLUDED DELTA ANGLE	G	GROUND
AC	ASPHALT[IC] CONCRETE	GD	GRANT DEED
AC.	ACRE[S]	L	LENGTH
A.P.N.	ASSESSOR'S PARCEL NUMBER	M	[OF] MAPS
BC	BEGIN CURVE	MH	MAINTENANCE HOLE
BK.	BOOK	N	NORTH
BTM	BOTTOM	O.R./OR	[OF] OFFICIAL RECORDS
CB	CATCH BASIN	PG.	PAGE
CLF	CHAIN LINK FENCE	POC	POINT ON CURVE
C.N.A.	CAN NOT OPEN	R	RADIUS
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FNC	FENCE	TC	TOP OF CURB
ICV	IRRIGATION CONTROL VALVE	UNK	UNKNOWN
IEI	INVERT ELEVATION IN	U.P.R.R.	UNION PACIFIC RAILROAD
IEO	INVERT ELEVATION OUT	W	WEST
IET	INVERT ELEVATION THROUGH	W/	WITH
INV	INVERT		

LOT LINE
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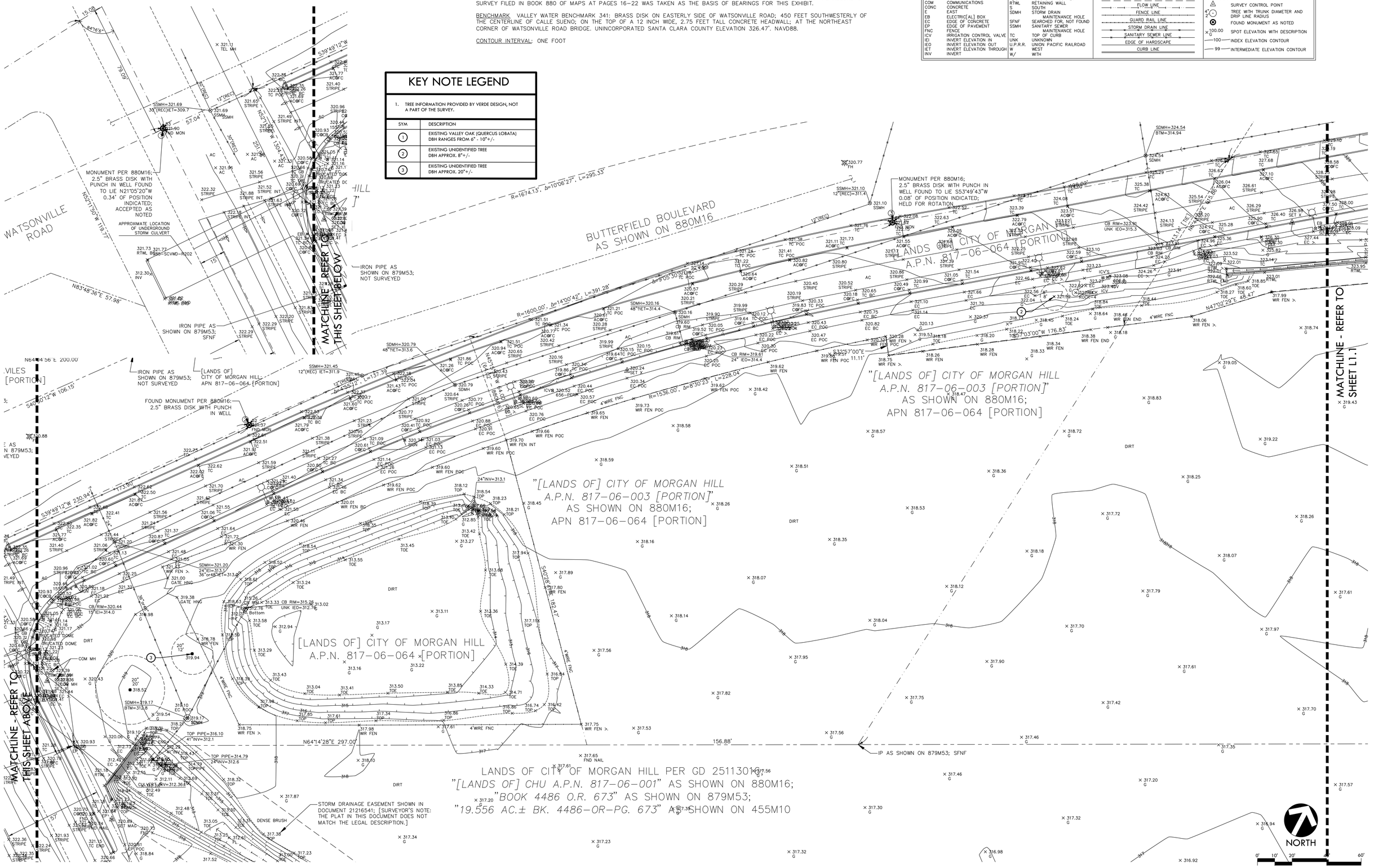

CITY COMMENT REVISIONS 5/17/24

EXISTING CONDITIONS AND SURVEY PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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EXISTING CONDITIONS AND SURVEY PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L1.2

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_exc.dwg

AS-BUILT LEGEND

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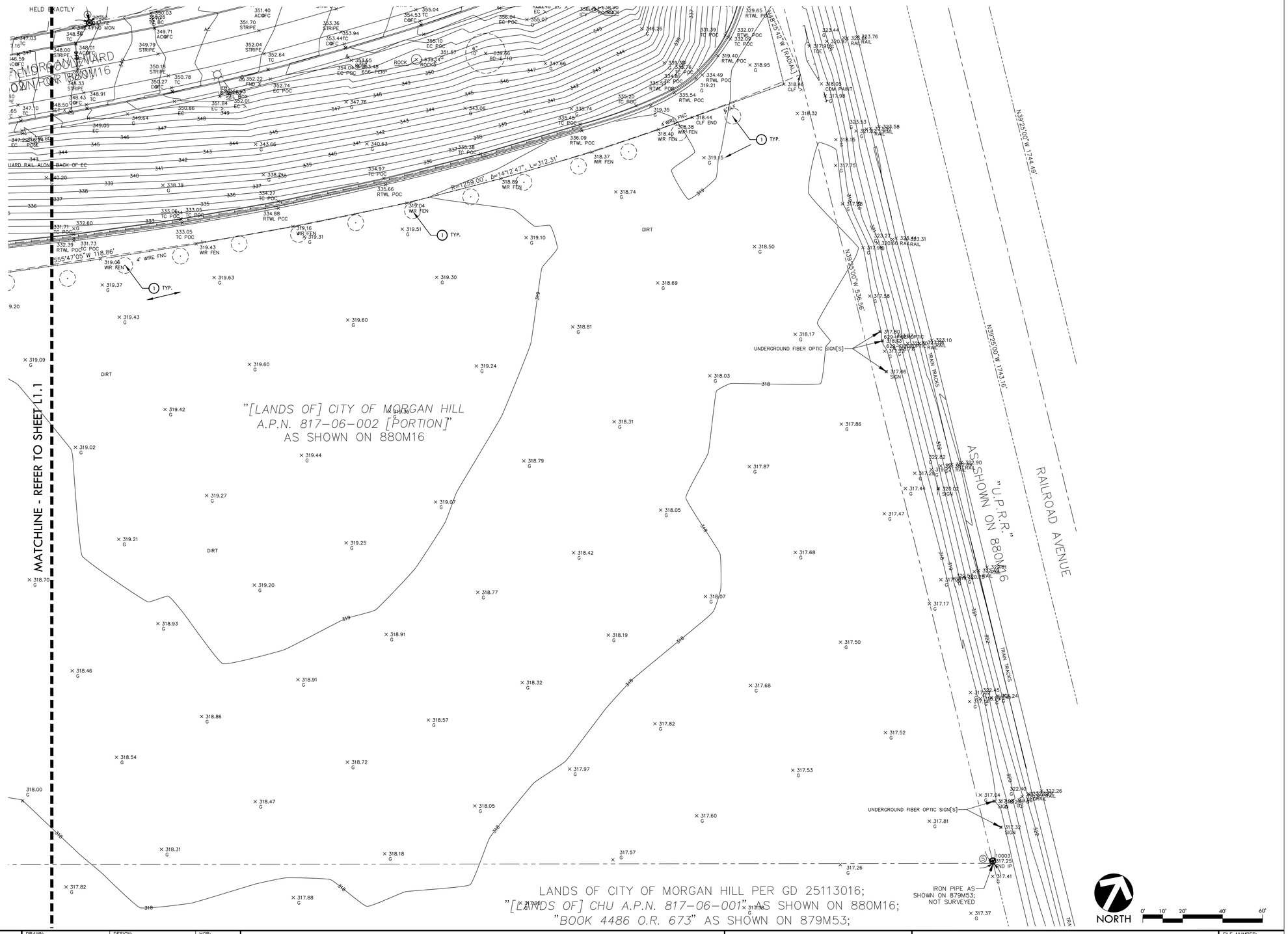
STREET LIGHT
SURVEY CONTROL POINT
4" TREE WITH TRUNK DIAMETER AND 2' DRIP LINE RADIUS
FOUND MONUMENT AS NOTED
100.00 G SPOT ELEVATION WITH DESCRIPTION
100 INDEX ELEVATION CONTOUR
99 INTERMEDIATE ELEVATION CONTOUR



CITY COMMENT REVISIONS 5/17/24

EXISTING CONDITIONS AND SURVEY PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR: BY: DATE:

DRAWN: U&R DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

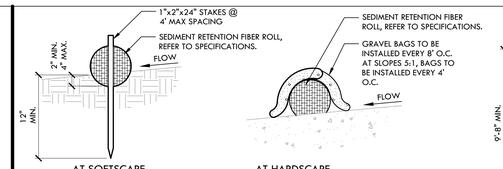
SCOTT C. CRER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

EXISTING CONDITIONS AND SURVEY PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

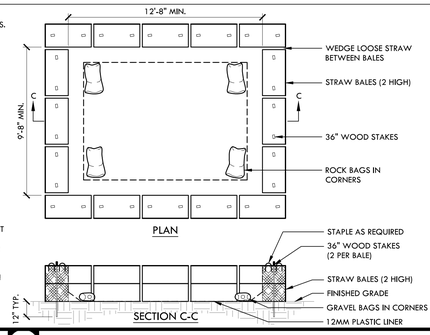
FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L1.3

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_exc.dwg

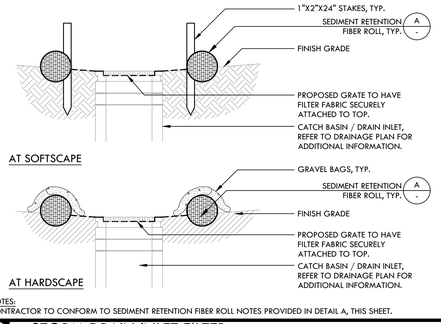


NOTES:
1. INSTALL SEDIMENT RETENTION FIBER ROLLS (FIBER ROLLS / WATTLES) AS LOCATED ON PLANS AND AS REQUIRED PER THE STATE GENERAL PERMIT FOR STORMWATER DISCHARGE.
2. FIBER ROLLS SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS FLOW PATH OF POTENTIAL RUN-OFF AND RUN-ON.
3. PREPARE GRADES REMOVING SURFACE DEVIATIONS, LARGE STONES OR DEBRIS THAT WILL INHIBIT CONTINUOUS CONTACT OF THE FIBER ROLL WITH THE GRADE.
4. PRIOR TO FILTER ROLL INSTALLATION EXCAVATE A CONCAVE TRENCH 2" MIN., 4" MAX. DEEP ALONG THE PROPOSED FIBER ROLL LOCATION.
5. INSTALL FIBER ROLLS WITH CONTINUOUS CONTACT OF THE BOTTOM OF THE EXCAVATED TRENCH.
6. STAKE ROLL ON BOTH SIDES 2' FROM OF ENDS AND AT 4' MAXIMUM SPACING WITH 1"X2"X24" STAKES. DRIVE STAKES IN ON ALTERNATING SIDES OF THE ROLL AND OVERLAP ABUTTING ROLL ENDS 12" MIN.
7. BACKFILLED BOTH SIDES TO WATTLE AND TAMP SOIL TO FIRM AND STABLE.
8. CONTRACTOR SHALL MAKE WEEKLY INSPECTIONS OR AS INDICATED IN STORMWATER POLLUTION PREVENTION PLAN, OR THE STATE GENERAL PERMIT FOR STORMWATER DISCHARGE.

A SEDIMENT RETENTION FIBER ROLL NTS

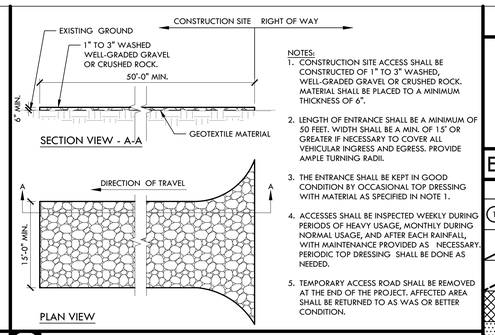


B TEMPORARY CONCRETE WASHOUT FACILITY NTS



NOTES:
CONTRACTOR TO CONFORM TO SEDIMENT RETENTION FIBER ROLL NOTES PROVIDED IN DETAIL A, THIS SHEET.

C STORM DRAIN INLET FILTER FOR EXISTING AND PROPOSED STORM DRAINS NTS



NOTES:
1. CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 1" TO 3" WASHED, WELL-GRADED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6".
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MIN. OF 15' OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.
5. TEMPORARY ACCESS ROAD SHALL BE REMOVED AT THE END OF THE PROJECT. AFFECTED AREA SHALL BE RETURNED TO AS WAS OR BETTER CONDITION.

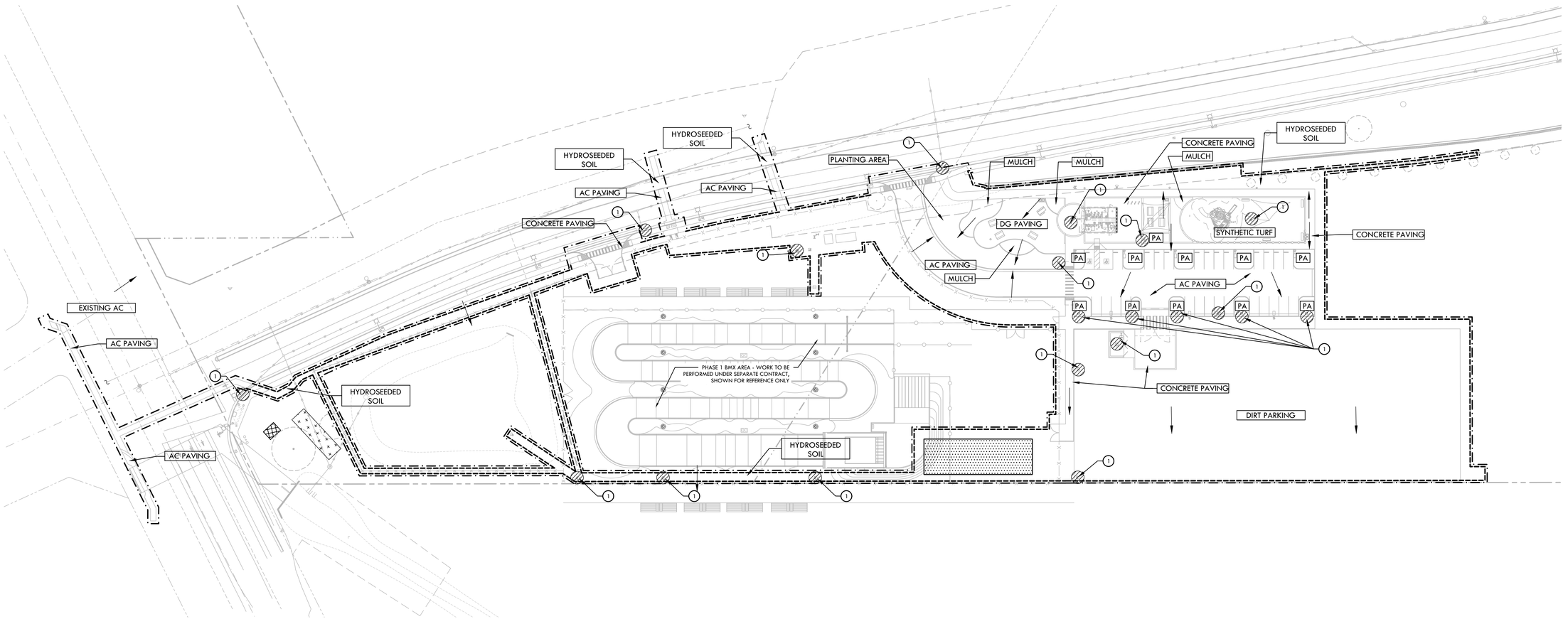
D STABILIZED CONSTRUCTION ENTRY NTS

EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL SHALL BE CONSTRUCTED DURING FIRST WEEK OF CONSTRUCTION.
2. EROSION AND SEDIMENT CONTROL SHALL REMAIN THROUGHOUT CONSTRUCTION AND BE REMOVED AND DISPOSED OF DURING MAINTENANCE PERIOD.
3. EROSION AND SEDIMENT CONTROL MAY BE ADJUSTED THROUGH CONSTRUCTION WITH APPROVAL OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
4. CONTRACTOR SHALL SWEEP STREETS AND PARKING AREAS AFFECTED BY CONSTRUCTION WITH STREET SWEEPER AS REQUIRED TO KEEP PAVING CLEAN OF CONSTRUCTION DEBRIS.

EROSION AND SEDIMENT CONTROL LEGEND

SYM	DESCRIPTION	DTL REF
1	STORM DRAIN INLET FILTER FOR EXISTING AND PROPOSED STORM DRAINS	C - -
	LIMIT OF WORK	
	SEDIMENT RETENTION FIBER ROLL	A - -
	TEMPORARY CONCRETE WASHOUT FACILITY	B - -
	CONSTRUCTION STAGING AREA	
	STABILIZED CONSTRUCTION ENTRY	D - -
	DIRECTION OF SURFACE FLOW	



CITY COMMENT REVISIONS 5/17/24

EROSION AND SEDIMENT CONTROL PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — DEREK MOREY — NO. 6168 — EXPIRATION DATE: DEC. 31, 2025 — STATE OF CALIFORNIA

EROSION AND SEDIMENT CONTROL PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L2.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_SWP.dwg

DEMOLITION LEGEND

ITEMS TO BE PROTECTED OR RELOCATED

- O — EXISTING SANITARY SEWER MANHOLE TO REMAIN AND BE PROTECTED AND ADJUSTED PER DRAINAGE PLAN.
- F — POTHOLE AND LOCATE EXISTING DOMESTIC WATER LINE. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED. RECORD SIZE, DEPTH, MATERIAL, AND LOCATION OF LINE. REPORT FINDINGS TO THE CITY.

ITEMS TO BE DEMOLISHED AND/OR REMOVED

1. EXISTING CURB AND GUTTER TO BE DEMOLISHED AND REMOVED.
2. EXISTING CURB TO BE DEMOLISHED AND REMOVED.
3. EXISTING ROCK BE DEMOLISHED AND REMOVED.
4. EXISTING GATE TO BE DEMOLISHED AND REMOVED.
5. EXISTING CURB RAMP TO BE DEMOLISHED AND REMOVED.

ITEMS TO BE PROTECTED OR RELOCATED

- A — POTHOLE AND LOCATE EXISTING STORM DRAIN LINE. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED. RECORD SIZE, DEPTH, MATERIAL, AND LOCATION OF LINE. REPORT IF THERE IS A CONFLICT WITH NEW ELECTRICAL LINE. REFER TO ELECTRICAL DRAWINGS.
- B — POTHOLE AND LOCATE EXISTING SANITARY SEWER LINE. EXISTING SANITARY SEWER LINE TO REMAIN AND BE PROTECTED. RECORD SIZE, DEPTH, MATERIAL, AND LOCATION OF LINE. REPORT IF THERE IS A CONFLICT WITH NEW ELECTRICAL LINE. REFER TO ELECTRICAL DRAWINGS.
- C — EXISTING LIGHT POLE TO REMAIN AND BE PROTECTED.
- D — NOT USED
- E — NOT USED
- F — EXISTING CONCRETE TO REMAIN AND BE PROTECTED.
- G — EXISTING SIGN TO REMAIN AND BE PROTECTED.
- H — EXISTING CURB AND GUTTER TO REMAIN AND BE PROTECTED.
- I — EXISTING CURB TO REMAIN AND BE PROTECTED.
- J — EXISTING CURB DRAIN INLET TO REMAIN AND BE PROTECTED.
- K — EXISTING IRRIGATION LINES TO REMAIN AND BE PROTECTED, IRRIGATION BOXES TO BE RELOCATED, REFER TO IRRIGATION PLAN.
- L — EXISTING RETAINING WALL TO REMAIN AND BE PROTECTED.
- M — EXISTING IRRIGATION DRIP TUBING TO REMAIN AND BE PROTECTED. ADJUST TO REMOVE SHOWN SEGMENT OF DRIP TUBING WHILE KEEPING THE REST WORKING.
- N — EXISTING OAK TREES TO BE UPROOTED, BALLED & BURLAPPED TEMPORARILY STORED, AND RELOCATED, REFER TO PLANTING PLAN FOR NEW LOCATIONS AND REFER TO SPECIFICATIONS.

SYM	DESCRIPTION
	LIMIT OF WORK / CONSTRUCTION FENCING
	EXISTING SURFACE VEGETATION TO BE REMOVED PER SPECIFICATIONS. EXISTING TOP SOIL SHALL BE REMOVED FROM SITE PER GEOTECHNICAL REPORT. REFER TO SPECIFICATIONS FOR INFORMATION. REMOVE EXCESS SOIL FROM SITE.
	EXISTING HARDSCAPE PAVING INCLUDING BASE MATERIAL TO BE DEMOLISHED AND REMOVED.
Ⓡ	TREE TO REMAIN AND BE PROTECTED, REFER TO SPECIFICATIONS
	DEMOLISH AND REMOVE EXISTING FENCE, INCLUDING GATES, POSTS, FABRIC, AND FOOTINGS
	SAWCUT EXISTING HARDSCAPE PAVING

DEMOLITION NOTES

1. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE WHETHER TEMPORARY SERVICES ARE NECESSARY.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL TO DETERMINE THE EXACT EXTENT AND DEPTH OF SITE DEMOLITION REQUIRED AND VERIFY COMPLIANCE WITH DRAWINGS. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE POTHOLED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
5. ALL EXISTING ITEMS ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT CELLULAR FACILITIES.
6. PRIOR TO ANY DEMOLITION WORK, CONTRACTOR SHALL PROTECT ALL EXISTING PLANT MATERIAL NOT SCHEDULED FOR REMOVAL BY INSTALLING TEMPORARY 4 FOOT HIGH "BLAZE ORANGE" CONSTRUCTION SAFETY FENCING AT THE DRIPLINE OR PERIMETER. THE FENCING SHALL BE SECURED WITH DRIVEN METAL STAKES. ALL TREE PROTECTION WORK SHALL BE SUBJECT TO THE DISCRETION OF THE CITY REPRESENTATIVE.
7. DEMOLITION SHALL INCLUDE THE REMOVAL OF ITEM AND ANY FOUNDATION OR STRUCTURAL SUPPORT RELATED TO ITEM FOR PLANT MATERIAL THIS SHALL INCLUDE STUMPS AND ROOTS OVER 2 INCHES IN DIAMETER. DISPOSAL SHALL BE OFF-SITE IN A LEGAL MANNER ACCEPTABLE TO THE CITY REPRESENTATIVE AND IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
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10. REFER TO ELECTRICAL PLANS AND IRRIGATION PLANS FOR ADDITIONAL DEMOLITION RELATED INFORMATION.
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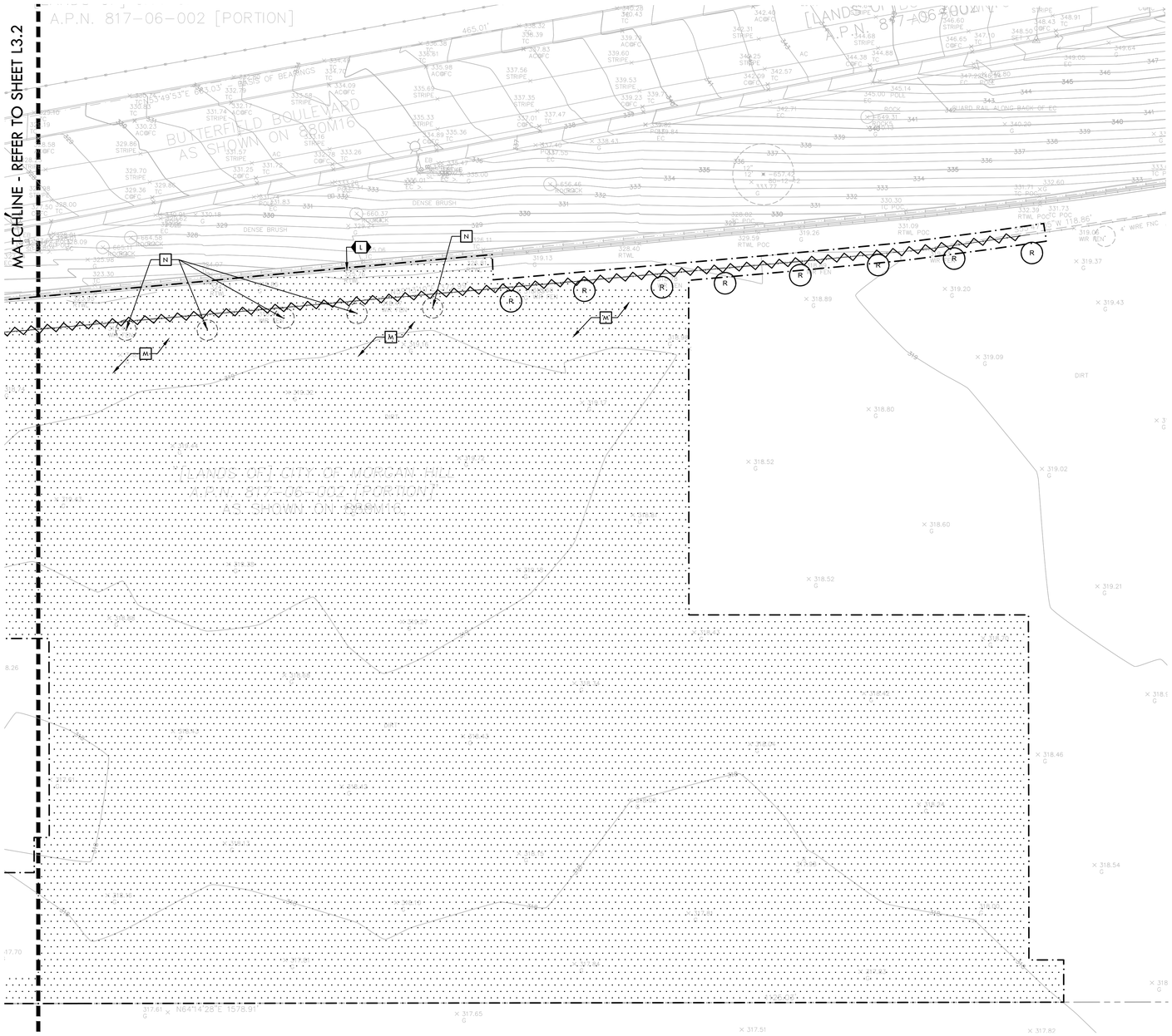
13. REFER TO DRAINAGE AND UTILITY PLANS FOR ADDITIONAL INFORMATION ON UNDERGROUND UTILITIES.
14. CONTRACTOR SHALL PLACE STEEL PLATES OVER 4" DEPTH SAND OR CLASS II AGGREGATE BASE, AND TWO LAYERS OF GEOTEXTILE FABRIC OVER EXISTING CONCRETE SURFACE TO PROVIDE PROTECTION TO EXISTING SIDEWALK AND CURB THROUGHOUT THE ENTIRE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE CITY ON ANY REQUIREMENTS REQUIRED FOR THIS TEMPORARY ACCESS. CONTRACTOR SHALL REPAIR OR REPLACE LANDSCAPING AND SIDEWALK AND ALL EXISTING CONDITIONS TO AN AS-WAS OR BETTER CONDITION PRIOR TO CONSTRUCTION COMPLETION.



CITY COMMENT REVISIONS 5/17/24

DEMOLITION PLAN

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BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
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DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD__DEM.dwg

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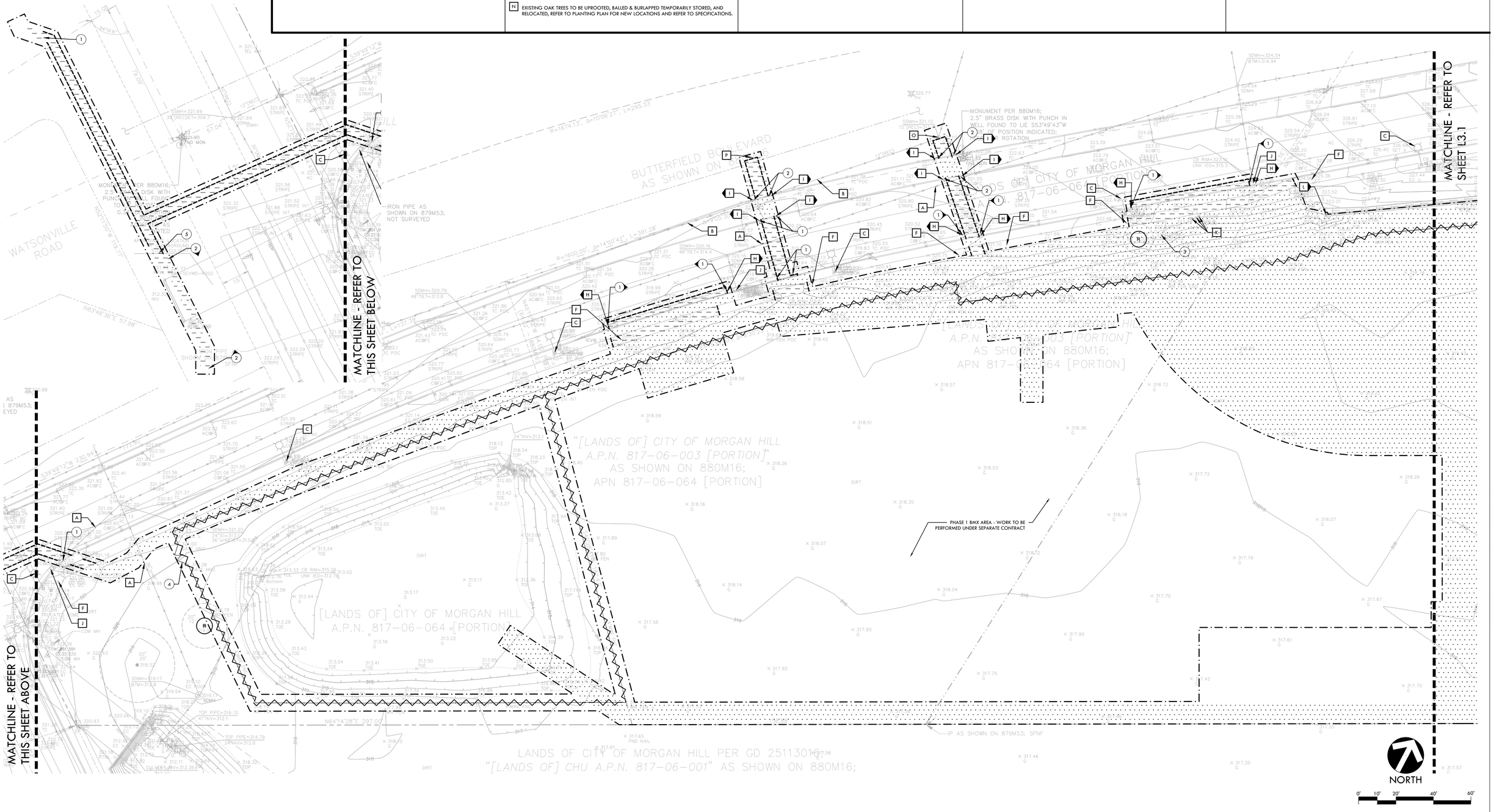

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JOB NUMBER: 2214701

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT No. 6168 RENEWAL DATE: DEC. 2025 STATE OF CALIFORNIA

DEMOLITION PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L3.2

CITY COMMENT REVISIONS 5/17/24

DEMOLITION PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DEM.dwg

GRADING LEGEND

SYM	DESCRIPTION
——·——·——	LIMIT OF WORK

SYM	DESCRIPTION
TW/FS 34.00	SLASH SYMBOL INDICATES TWO FLUSH SURFACES
FS (GUTTER) 34.00	PROPOSED FINISH SURFACE ELEVATION OF CONCRETE GUTTER
TD 34.00	PROPOSED FINISH SURFACE ELEVATION OF TOP OF TRENCH DRAIN
FL 34.00	PROPOSED FINISH SURFACE ELEVATION OF FLOW LINE AT DRIVEWAY APRON
RIM 34.00	LOW POINT/ RIM ELEVATION OF DRAIN
	GRADE BREAK
	FLOWLINE AT DRIVEWAY ENTRY
1	GRADING AT CONCRETE EDGE DETAIL — LB D2.2
2	GRADING AT EXISTING TREE DETAIL — M D2.2
SCM FG 34.00	PROPOSED FINISH GRADE ELEVATION OF STORMWATER CONTROL MEASURE

SYM	DESCRIPTION
TW 34.00	TOP OF WALL
FFE	FINISH FLOOR ELEVATION OF BUILDING
	SCUPPER PER DETAIL L, SHEET D2.1
FS SC 34.00	PROPOSED FINISH SURFACE ELEVATION OF SCUPPER BOTTOM. FINISH GRADE OF PARKING LOT PLANTING ISLANDS TO BE LOCATED 6" BELOW FINISH SURFACE OF SCUPPER.
	DIRECTION OF SLOPE
	LIMIT OF GRADING - CONFORM TO EXISTING GRADES AT THIS LINE
R	RIDGE LINE
	CONFORM TO EXISTING GRADE/SURFACE
102	EXISTING CONTOUR
+ 102.1 T06.00 —104.19	EXISTING ELEVATION

SYM	DESCRIPTION
85	PROPOSED CONTOUR
FG 32.00	PROPOSED FINISH GRADE ELEVATION OF SOFTSCAPE
FG (DOWN) 32.00	PROPOSED FINISH GRADE ELEVATION OF SOFTSCAPE SURFACE BELOW PARKING LOT PLANTING ISLANDS
FT 32.00	PROPOSED ELEVATION OF TOP OF SYNTHETIC TURF BACKING
SG 32.00	PROPOSED ELEVATION OF SUBGRADE SURFACE
FS 32.00	PROPOSED FINISH SURFACE ELEVATION OF HARDSCAPE
FS (AC) 32.00	PROPOSED FINISH SURFACE ELEVATION OF ASPHALT
FS (CONC) 32.00	PROPOSED FINISH SURFACE ELEVATION OF CONCRETE
FS (EB) 32.00	PROPOSED FINISH SURFACE ELEVATION OF EDGEBAND
TC 32.50	TOP OF CURB

GRADING NOTES

1. EXISTING GRADES ARE BASED ON INFORMATION PROVIDED BY: UNDERWOOD AND ROSENBLUM. CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE START OF GRADING, NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
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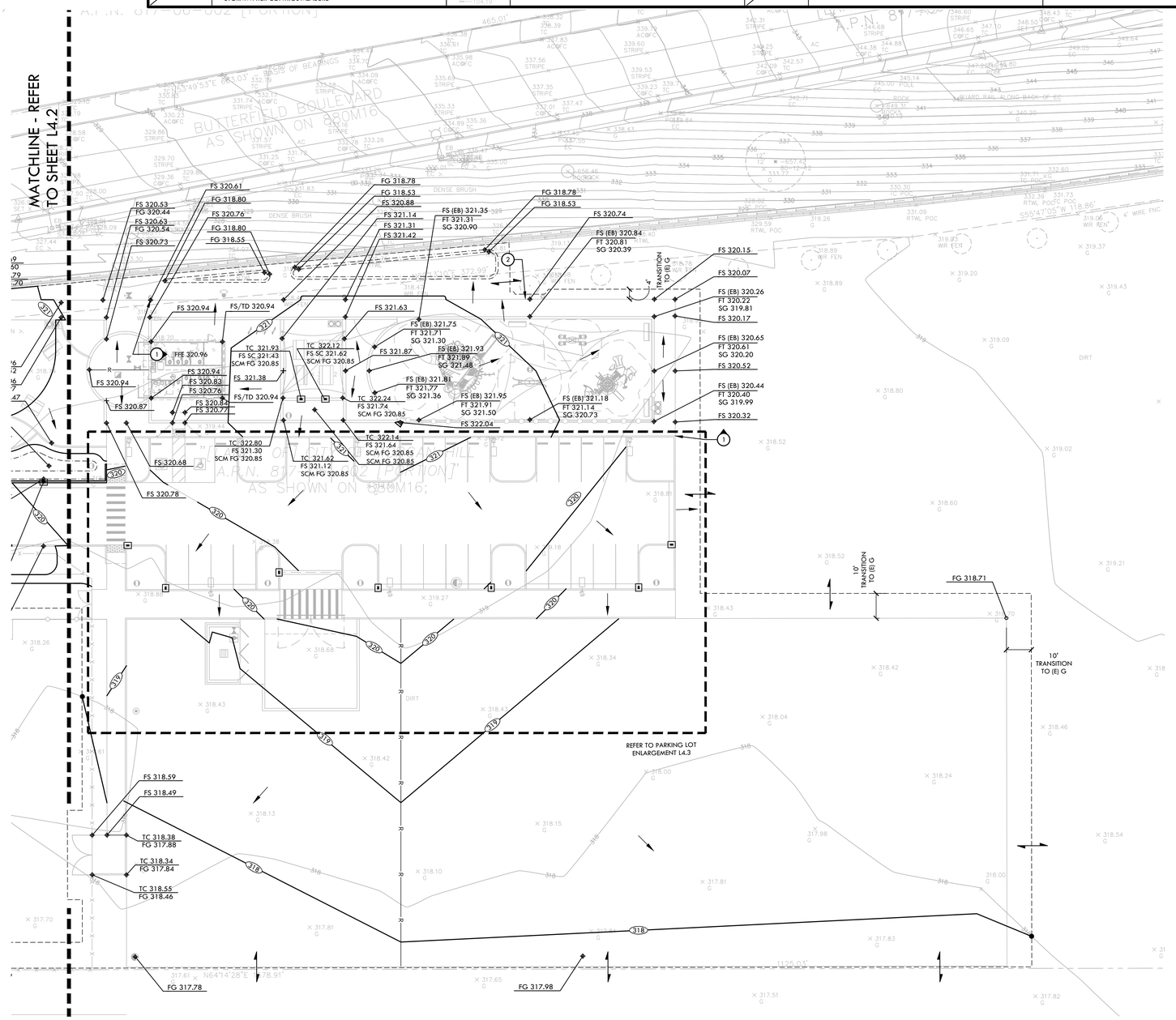
3. PROPOSED GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SO AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY CITY REPRESENTATIVE IF PUDDLING IS SUSPECTED AND REDIRECT WORK SO AS TO AVOID DELAY WHILE AWAITING RESPONSE.
4. FINISH GRADE OF PLANTING ISLANDS IN PARKING LOT ARE TO BE 0.5' BELOW ADJACENT SCUPPER ELEVATION OR 1.0' BELOW TOP OF ADJACENT CURB.
5. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
6. SITE PREPARATION:
   A. AT FLATWORK/WALKWAYS, REFER TO GEOTECH REPORT BY GEO-ENGINEERING SOLUTIONS. - PROJECT NUMBER 69-1470 DATED JUNE 30, 2023, SECTION 6.2.5.
   B. AT BUILDING PAD LOCATION, REFER TO GEOTECH REPORT BY GEO-ENGINEERING SOLUTIONS. - PROJECT NUMBER 69-1470 DATED JUNE 30, 2023, SECTION 6.2.4.



NORTH 0' 10' 20' 40' 60'

CITY COMMENT REVISIONS 5/17/24

GRADING PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR: BY: DATE:

DRAWN: MK DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT MOSS No. 6148 RENEWAL DATE: DEC. 2025 STATE OF CALIFORNIA

GRADING PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L4.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_GRD-C3D.dwg

SYM	DESCRIPTION
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GRADING LEGEND

SYM	DESCRIPTION	SYM	DESCRIPTION	SYM	DESCRIPTION
TW/FS 34.00	SLASH SYMBOL INDICATES TWO FLUSH SURFACES	TW 34.00	TOP OF WALL	85	PROPOSED CONTOUR
FS (GUTTER) 34.00	PROPOSED FINISH SURFACE ELEVATION OF CONCRETE GUTTER	FFE	FINISH FLOOR ELEVATION OF BUILDING	FG 32.00	PROPOSED FINISH GRADE ELEVATION OF SOFTSCAPE
TD 34.00	PROPOSED FINISH SURFACE ELEVATION OF TOP OF TRENCH DRAIN		SCUPPER PER DETAIL L, SHEET D2.1	FG (DOWN) 32.00	PROPOSED FINISH GRADE ELEVATION OF SOFTSCAPE SURFACE BELOW PARKING LOT PLANTING ISLANDS
FL 34.00	PROPOSED FINISH SURFACE ELEVATION OF FLOW LINE AT DRIVEWAY APRON	FS SC 34.00	PROPOSED FINISH SURFACE ELEVATION OF SCUPPER BOTTOM. FINISH GRADE OF PARKING LOT PLANTING ISLANDS TO BE LOCATED 6" BELOW FINISH SURFACE OF SCUPPER.	FT 32.00	PROPOSED ELEVATION OF TOP OF SYNTHETIC TURF BACKING
RIM 34.00	LOW POINT/ RIM ELEVATION OF DRAIN		DIRECTION OF SLOPE	SG 32.00	PROPOSED ELEVATION OF SUBGRADE SURFACE
	GRADE BREAK		LIMIT OF GRADING - CONFORM TO EXISTING GRADES AT THIS LINE	FS 32.00	PROPOSED FINISH SURFACE ELEVATION OF HARDSCAPE
	FLOWLINE AT DRIVEWAY ENTRY	R	RIDGE LINE	FS (AC) 32.00	PROPOSED FINISH SURFACE ELEVATION OF ASPHALT
1	GRADING AT CONCRETE EDGE DETAIL	LB D2.2	CONFORM TO EXISTING GRADE/SURFACE	FS (CONC) 32.00	PROPOSED FINISH SURFACE ELEVATION OF CONCRETE
2	GRADING AT EXISTING TREE DETAIL	M D2.2	102 EXISTING CONTOUR	FS (EB) 32.00	PROPOSED FINISH SURFACE ELEVATION OF EDGEBAND
SCM FG 34.00	PROPOSED FINISH GRADE ELEVATION OF STORMWATER CONTROL MEASURE	+ 102.1 TO6.00 104.19	EXISTING ELEVATION	TC 32.50	TOP OF CURB

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CITY COMMENT REVISIONS 5/17/24

GRADING PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

MATCHLINE - REFER TO THIS SHEET BELOW

MATCHLINE - REFER TO THIS SHEET ABOVE

MATCHLINE - REFER TO SHEET L4.1

6" CURB AND GUTTER

CURB RAMP, MATCH (E) GRADES

WATSONVILLE ROAD

BUTTERFIELD BOULEVARD AS SHOWN ON 880M16

MONUMENT PER 880M16; 2.5" BRASS DISK WITH PUNCH IN WELL FOUND TO LIE S53°49'43"W 0.08' OF POSITION INDICATED; HELD FOR ROTATION

MONUMENT PER 880M16; 2.5" BRASS DISK WITH PUNCH IN WELL FOUND TO BE N01°05'34"W 0.34' OF POSITION INDICATED; ACCEPTED AS POSITIONED

FOUND MONUMENT PER 880M16: 2.5" BRASS DISK WITH PUNCH IN WELL

[LANDS OF] CITY OF MORGAN HILL A.P.N. 817-06-064 [PORTION]

[LANDS OF] CITY OF MORGAN HILL A.P.N. 817-06-064 [PORTION] AS SHOWN ON 880M16; APN 817-06-064 [PORTION]

"[LANDS OF] CHU A.P.N. 817-06-001" AS SHOWN ON 880M16; "BOOK 4486 O.R. 673" AS SHOWN ON 879M53; "19.556 AC.± BK. 4486-OR-PG. 673" AS SHOWN ON 455M10

LANDS OF CITY OF MORGAN HILL PER GD 25113013

PHASE 1 BMX AREA - WORK TO BE PERFORMED UNDER SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY

STORM DRAINAGE EASEMENT SHOWN IN DOCUMENT 21216541; [SURVEYOR'S NOTE: THE PLAT IN THIS DOCUMENT DOES NOT MATCH THE LEGAL DESCRIPTION.]

FG 317.71

FG 317.67

IP AS SHOWN ON 879M53; SFNF

FG 317.62

NORTH

0' 10' 20' 40' 60'

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Revisions

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HOR: AS SHOWN

VERT: AS SHOWN

JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT C. CREER No. 6168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

GRADING PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:

PRINT DATE:

SHEET NUMBER: L4.2

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_GRD-C3D.dwg

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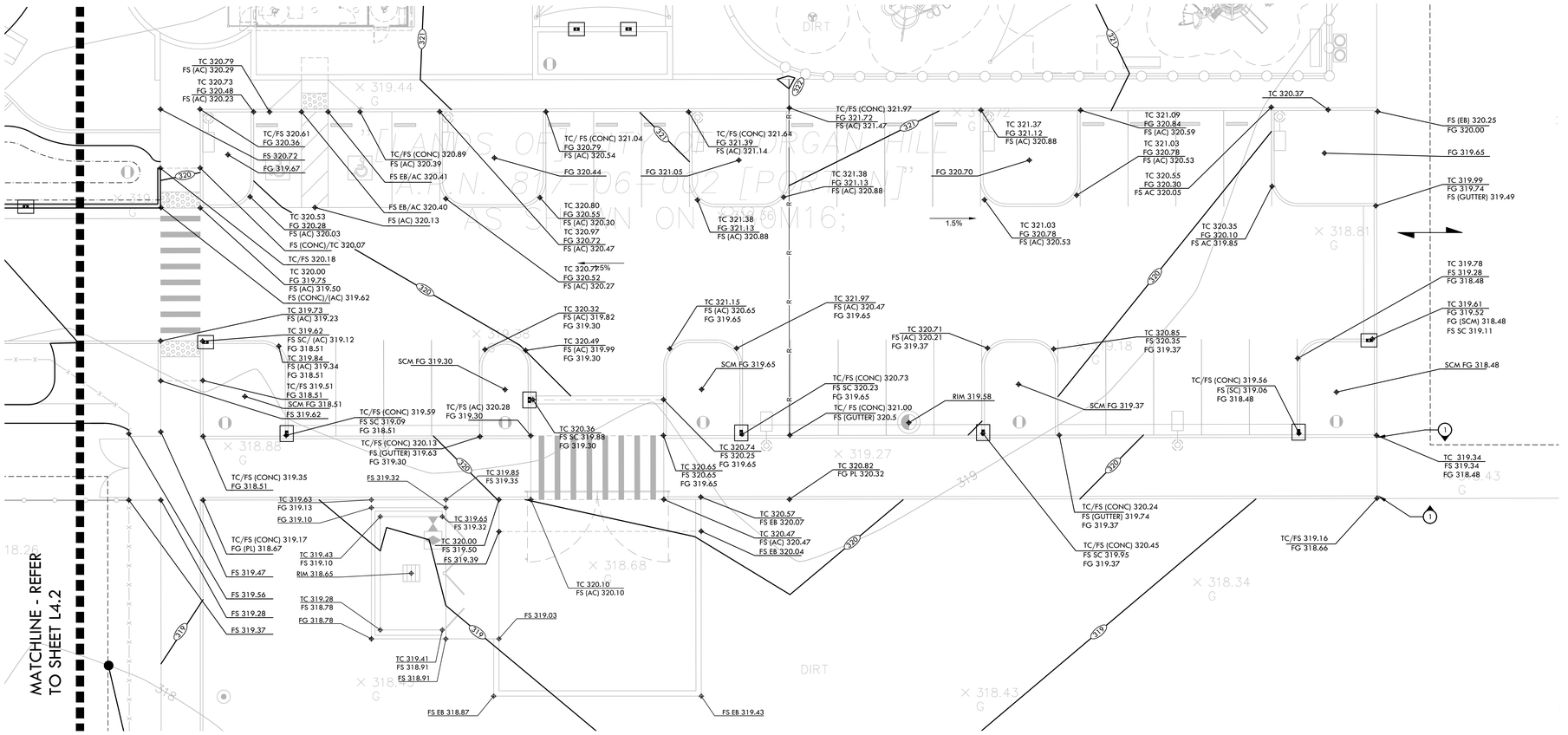

NORTH 0' 5' 10' 20' 30'

CITY COMMENT REVISIONS 5/17/24

GRADING PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR: BY: DATE:

DRAWN: MK DESIGN: VERDE HOR: AS SHOWN
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APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — No. 4198 — EXPIRATION DATE: 08-31-2025 — STATE OF CALIFORNIA

GRADING PLAN - PARKING LOT ENLARGEMENT
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L4.3

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_GRD-C3D.dwg

DRAINAGE & UTILITY LEGEND

SYM	DESCRIPTION		SYM	DESCRIPTION	SYM	DESCRIPTION	DETAIL NUMBER / SHEET NUMBER	SYM	DESCRIPTION	DETAIL NUMBER / SHEET NUMBER
	TRENCH DRAIN	A L5.1		DRAINAGE STRUCTURE PER BMX PLANS	M	NEW 4" METER BY CITY OF MORGAN HILL WATER DIVISION	N D1.2		OVERFLOW DRAIN (OD), SIZE PER PLAN	F D1.2
A	LATERAL TIE IN TO EXISTING DOMESTIC WATER MAIN	H D1.1	S=0.5%	SLOPE	HM	HYDROMETER PER IRRIGATION PLAN			JUNCTION BOX IN SOFTSCAPE (JB), SIZE PER PLAN	J D1.2
B	TRENCH DRAIN CATCH BASIN AND CONNECTION TO STORM DRAIN LINE	B L5.1	MIN	MINIMUM		MUELLER A-2360-16 OR APPROVED EQUAL WITH NON-RISING STEM AND DOUBLE "O" RING SEAL	H D1.1		JUNCTION BOX IN PAVING (JB-P), SIZE PER PLAN	K D1.2
	DOMESTIC WATER LINE CAP - STUB AND CAP WATER LINE IN 8" ROUND VALVE BOX	L D5.2	N, S, W, EA	NORTH, SOUTH, WEST, EAST	SD	SOLID WALL STORM DRAIN	C,A D1.1		MANHOLE (SSMH)	E,F D1.1
SM	SUBMETER PER CITY - STUB AND CAP WITH 8" ROUND VALVE BOX	L D5.2	(E)	EXISTING	SS	SANITARY SEWER LINE	C D1.1		SANITARY SEWER CATCH BASIN (SSCB) - PROVIDE GREASE TRAP	I D1.2
	SANITARY SEWER LINE STUB - PROVIDE SEWER CLEANOUT AND PLUG AT END OF SEWER LINE	G D1.1	TO	TOP OF OVERFLOW DRAIN	DOM	DOMESTIC WATER LINE	A D1.1		SANITARY SEWER CLEANOUT (SSCO)	G,A D1.1
TD	TRENCH DRAIN ELEVATION		RIM	RIM ELEVATION	PERF	PERFORATED SUBDRAIN LINE	D D1.1		CATCH BASIN UNDER SYNTHETIC TURF WITH AGGREGATE BASE (CB-ST)	H D1.2
BD	BOTTOM OF TRENCH DRAIN ELEVATION		LF	LINEAR FEET		HOSE BIB AT TRASH ENCLOSURE	F D5.1		BACKFLOW PREVENTER, FEBCO 825 YD, 4". REFER TO BACKFLOW PREVENTER NOTES FOR ENCLOSURE INFORMATION, DETAIL L, SHEET D1.2.	P D1.2
			INV	INVERT		ENERGY DISSIPATER FROM DRAINAGE LINE	G D1.2		BACKFLOW PREVENTER FOR IRRIGATION, REFER TO IRRIGATION PLANS	
				OUTLINE OF C3 BIORETENTION AREA		STORM DRAIN CLEANOUT TO BE VEHICULAR TRAFFIC RATED (SDCO-TR)	B D1.2			

DRAINAGE & UTILITY NOTES

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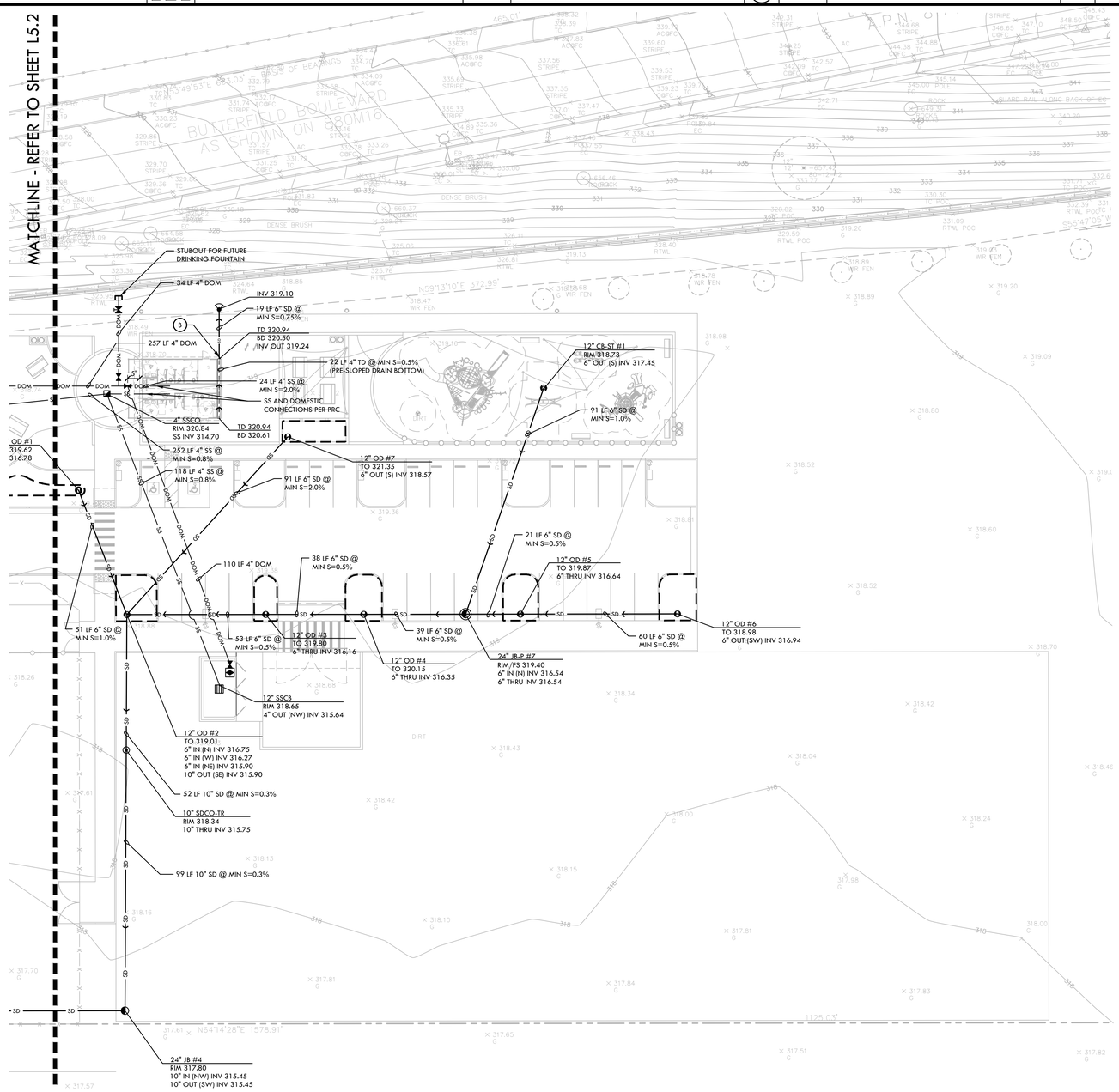
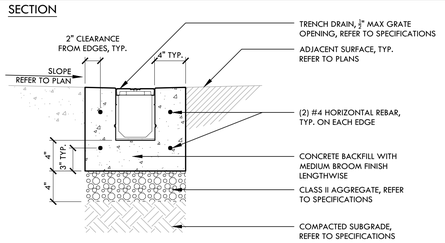
2. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
3. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
4. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.
5. THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
6. ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
7. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POTHOLING. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED.
8. WHEN WORK HAS TO OCCUR UNDER THE DRIPLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.



SECTION



NOTES:
1. PROVIDE SAW CUT JOINT 8' ON CENTER AND ALIGN WITH FENCE POSTS.
2. JOINTS TO BE ON BOTH SIDES OF GRATE.

A TRENCH DRAIN NTS

B INLINE TRENCH DRAIN CATCH BASIN

CITY COMMENT REVISIONS 5/17/24

DRAINAGE AND UTILITY PLAN

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SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
CITY OF MORGAN HILL
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT C. OREER No. 4148 EXPIRATION DATE: STATE OF CALIFORNIA

DRAINAGE AND UTILITY PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L5.1

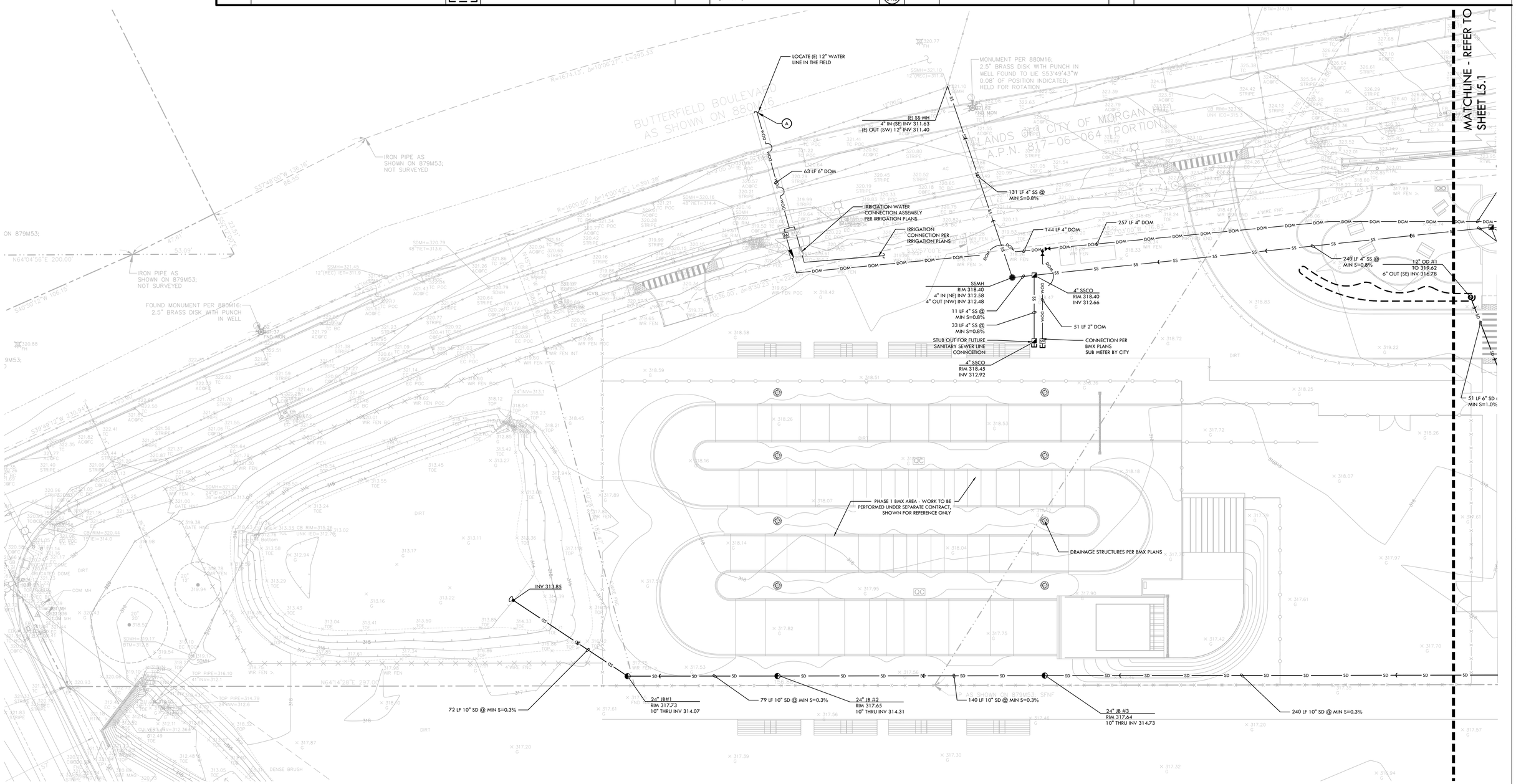
DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DRN-C3D.dwg

DRAINAGE & UTILITY LEGEND

SYM	DESCRIPTION		SYM	DESCRIPTION	SYM	DESCRIPTION (DETAIL NUMBER / SHEET NUMBER)		SYM	DESCRIPTION (DETAIL NUMBER / SHEET NUMBER)	
	TRENCH DRAIN	A / L5.1		DRAINAGE STRUCTURE PER BMX PLANS	M	NEW 4" METER BY CITY OF MORGAN HILL WATER DIVISION	N / D1.2		OVERFLOW DRAIN (OD), SIZE PER PLAN	F / D1.2
A	LATERAL TIE IN TO EXISTING DOMESTIC WATER MAIN	H / D1.1	S=0.5%	SLOPE	HM	HYDROMETER PER IRRIGATION PLAN			JUNCTION BOX IN SOFTSCAPE (JB), SIZE PER PLAN	J / D1.2
B	TRENCH DRAIN CATCH BASIN AND CONNECTION TO STORM DRAIN LINE	B / L5.1	MIN	MINIMUM		MUELLER A-2360-16 OR APPROVED EQUAL WITH NON-RISING STEM AND DOUBLE "O" RING SEAL	H / D1.1		JUNCTION BOX IN PAVING (JB-P), SIZE PER PLAN	K / D1.2
	DOMESTIC WATER LINE CAP - STUB AND CAP WATER LINE IN 8" ROUND VALVE BOX	L / D5.2	N, S, W, EA	NORTH, SOUTH, WEST, EAST	SD	SOLID WALL STORM DRAIN	C,A / D1.1		MANHOLE (SSMH)	E,F / D1.1
SM	SUBMETER PER CITY - STUB AND CAP WITH 8" ROUND VALVE BOX	L / D5.2	(E)	EXISTING	SS	SANITARY SEWER LINE	C / D1.1		SANITARY SEWER CATCH BASIN (SSCB) - PROVIDE GREASE TRAP	I / D1.2
	SANITARY SEWER LINE STUB - PROVIDE SEWER CLEANOUT AND PLUG AT END OF SEWER LINE	G / D1.1	TO	TOP OF OVERFLOW DRAIN	DOM	DOMESTIC WATER LINE	A / D1.1		SANITARY SEWER CLEANOUT (SSCO)	G,A / D1.1
TD	TRENCH DRAIN ELEVATION		RIM	RIM ELEVATION	FEP	PERFORATED SUBDRAIN LINE	D / D1.1		CATCH BASIN UNDER SYNTHETIC TURF WITH AGGREGATE BASE (CB-ST)	H / D1.2
BD	BOTTOM OF TRENCH DRAIN ELEVATION		LF	LINEAR FEET		HOSE BIB AT TRASH ENCLOSURE	F / D5.1		BACKFLOW PREVENTER, FEBCO 825 YD, 4". REFER TO BACKFLOW PREVENTER NOTES FOR ENCLOSURE INFORMATION, DETAIL L, SHEET D1.2.	P / D1.2
			INV	INVERT		ENERGY DISSIPATER FROM DRAINAGE LINE	G / D1.2		BACKFLOW PREVENTER FOR IRRIGATION, REFER TO IRRIGATION PLANS	
				OUTLINE OF C3 BIORETENTION AREA		STORM DRAIN CLEANOUT TO BE VEHICULAR TRAFFIC RATED (SDCO-TR)	B / D1.2			

DRAINAGE & UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDER GROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
3. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
4. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.
5. THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
6. ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
7. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POTHOLING. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED.
8. WHEN WORK HAS TO OCCUR UNDER THE DRIPLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.



NORTH 0' 10' 20' 40' 60'

CITY COMMENT REVISIONS 5/17/24

DRAINAGE AND UTILITY PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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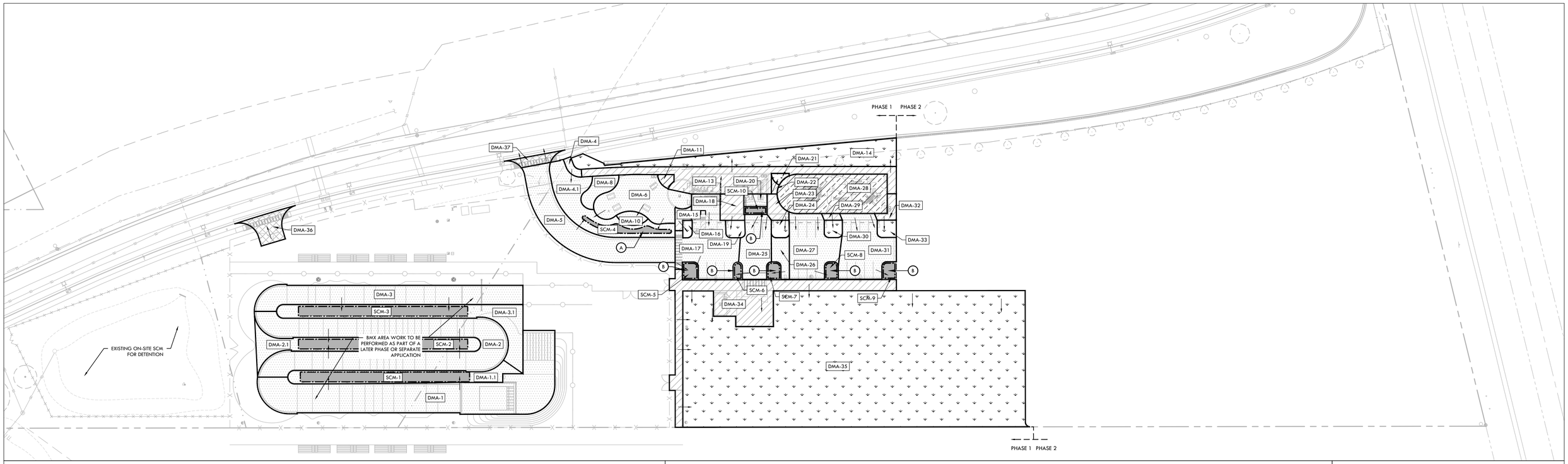

TABLE A - DRAINAGE MANAGEMENT AREA SUMMARY

Drainage Management Area	Area (Sq.Ft)	Type of Surface	Impervious/Pervious	New/Replaced	Regulated/Not Regulated	DMA Type	DMA Connects/ Drains to
1	11,421	BMX DG Surface	Impervious	New	Regulated	Drains to SCM	SCM-1
1.1	1,303	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-1
2	10,697	BMX DG Surface	Impervious	New	Regulated	Drains to SCM	SCM-2
2.1	1,838	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-2
3	5,593	BMX DG Surface	Impervious	New	Regulated	Drains to SCM	SCM-3
3.1	2,756	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-3
4	191	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-4
4.1	2,755	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-4
5	5,089	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-4
6	3,317	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-4
8	703	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-4
10	333	Planting Area	Pervious	New	Regulated	Drains to SCM	SCM-4
11	174	Planting Area	Pervious	New	Regulated	Self Treating	DMA-14
13	4,816	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-14
14	5,117	Planting Area	Pervious	New	Regulated	Self Retaining	-
15	300	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-16
16	154	Planting Area	Pervious	New	Regulated	Self Retaining	-
17	3,882	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-5
18	675	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-19
19	340	Planting Area	Pervious	New	Regulated	Self Retaining	-
20	313	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-10
21	134	Planting Area	Pervious	New	Regulated	Self Retaining	-
22	90	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-21
23	439	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-24
24	300	Planting Area	Pervious	New	Regulated	Self Retaining	-
25	1,932	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-6
26	636	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-7
27	2,891	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-8
28	4,437	Synthetic Turf	Pervious	New	Regulated	Self Treating	Ex. Basin
29	131	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-30
30	327	Planting Area	Pervious	New	Regulated	Self Retaining	-
31	3,172	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to SCM	SCM-9
32	340	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-33
33	351	Planting Area	Pervious	New	Regulated	Self Retaining	-
34	6,041	Roof/Concrete Paving	Impervious	New	Regulated	Drains to Self Retaining	DMA-35
35	47,893	Native Soil	Pervious	New	Regulated	Self Retaining	-
36	967	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains Offsite	-
37	397	Asphalt/Concrete Paving	Impervious	New	Regulated	Drains Offsite	-

TABLE B - SELF RETAINING AREA SIZE SUMMARY

Self Retaining DMA	Self Retaining DMA Area (SQFT) [A]	Tributary DMA's #	Total Tributary DMA Area (SQFT) [B]	Tributary / Self Retaining Area Ratio {A/B}
14	5,177	13	4,816	0.93
16	154	15	300	1.95
19	340	18	675	1.99
21	134	22	90	0.67
24	300	23	439	1.46
30	327	29	131	0.40
33	351	32	340	0.97
35	47,893	34	6,041	0.13

SWMP LEGEND

SYM	DESCRIPTION	SHEET NUMBER
	AREAS DRAINING TO SCM	
	AREAS DRAINING TO SELF RETAINING AREAS	
	AREAS DRAINING OFFSITE	
	SELF RETAINING AREAS - PLANTING / MULCH / SOD/NATIVE SOIL	
	SELF TREATING AREAS - TURF / PLANTING / MULCH / SOD / DG	
	DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY	
	SLOPE / FLOW DIRECTION	
A	OUTLINE OF STORMWATER CONTROL MEASURE AT DRIVEWAY	A D2.3
B	OUTLINE OF STORMWATER CONTROL MEASURE AT PARKING LOT	B D2.3
	OUTLINE OF STORMWATER CONTROL MEASURE AT BMX AREA, SHOWN FOR REFERENCE	

STORMWATER MANAGEMENT PLAN NOTES

1. PRIOR TO BUILDING FINAL, THE CIVIL ENGINEER RESPONSIBLE FOR PREPARING THE STORMWATER CONTROL PLAN REPORT SHALL SUBMIT A SIGNED CERTIFICATION (WITH SIGNATURE, DATE & LICENSE NUMBER/SEAL) THAT ALL POST-CONSTRUCTION STORMWATER MANAGEMENT/BMP FACILITIES SHOWN ON THE AS-BUILT DRAWINGS WERE INSPECTED BY THE CIVIL ENGINEER (OR BY A QUALIFIED 3RD PARTY STORMWATER INSPECTOR HIRED BY THE CITY) AND HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

TABLE C - STORMWATER CONTROL MEASURE (SCM) SIZING SUMMARY

SCM # [A]	SCM Area (SQFT) [B]	Tributary DMAs # [C]	Total Retention Tributary Area (SQFT) [D]	Impervious Area(SQFT) [E]	Impervious Fraction of Total Area [F]	Runoff Coefficient "C" [G]	Required SCM VOLUME (CF) - 95th Percentile 24 hr Rainfall Method {D*(1.7/12)*G} [H]	Storage Volume within Rock Base (CF) - n=0.3 {B*J*0.3} [I]	Proposed Rock Depth (ft) [J]	Proposed BSM Mix Depth (ft) [K]	Storage Volume within BSM Mix (no Drain Outlet only) - n=0.4 {B*K*0.4} [L]	6" Ponding Depth Volume (CF) (no drain outlet only) {B*0.5} [M]	Total Storage Provided (CF) {I*L*M} [N]	Infiltration Rate From Geotech (Inch/Hour) [O]	DRAWDOWN TIME of provided storage (HRS) {=[((N/B)*12)/O} [P]	STORAGE VOLUME OK?
1	1750	**1, 1.1**	12725	11421	0.90	0.73	**1310**	788	1.5	1.5	1050.0	875.0	**2712.5**	2.14	8.7	'YES'
2	1750	**2, 2.1**	12535	10697	0.85	0.67	**1182**	788	1.5	1.5	1050.0	875.0	**2712.5**	2.14	8.7	'YES'
3	1750	**3, 3.1**	8349	5593	0.67	0.47	**552**	788	1.5	1.5	1050.0	875.0	**2712.5**	2.14	8.7	'YES'
4	503	**4, 4.1, 5, 6, 8, 10**	12391	8597	0.69	0.49	**857**	302	2.0	2.0	402.4	251.5	**955.7**	2.14	10.7	'YES'
5	270	**17**	3882	3882	1.00	0.89	**489**	162	2.0	2.0	216.0	135.0	**513.0**	2.14	10.7	'YES'
6	141	**25**	1932	1932	1.00	0.89	**244**	85	2.0	2.0	112.8	70.5	**267.9**	2.14	10.7	'YES'
7	233	**26**	636	636	1.00	0.89	**80**	105	1.5	1.5	139.8	116.5	**361.2**	2.14	8.7	'YES'
8	225	**27**	2891	2891	1.00	0.89	**365**	135	2.0	1.5	135.0	112.5	**382.5**	2.14	9.5	'YES'
9	241	**31**	3172	3172	1.00	0.89	**400**	145	2.0	1.5	144.6	120.5	**409.7**	2.14	9.5	'YES'
10	197	**20**	313	313	1.00	0.89	**39**	89	1.5	1.5	118.2	98.5	**305.4**	2.14	8.7	'YES'

SCM SIZING CRITERIA FOR THE 95TH PERCENTILE STORM SATISFIES THE PERFORMANCE REQUIREMENT 03 FROM THE CITY STORMWATER MANUAL

NORTH 0' 20' 40' 80' 120'

CITY COMMENT REVISIONS 5/17/24

STORMWATER MANAGEMENT PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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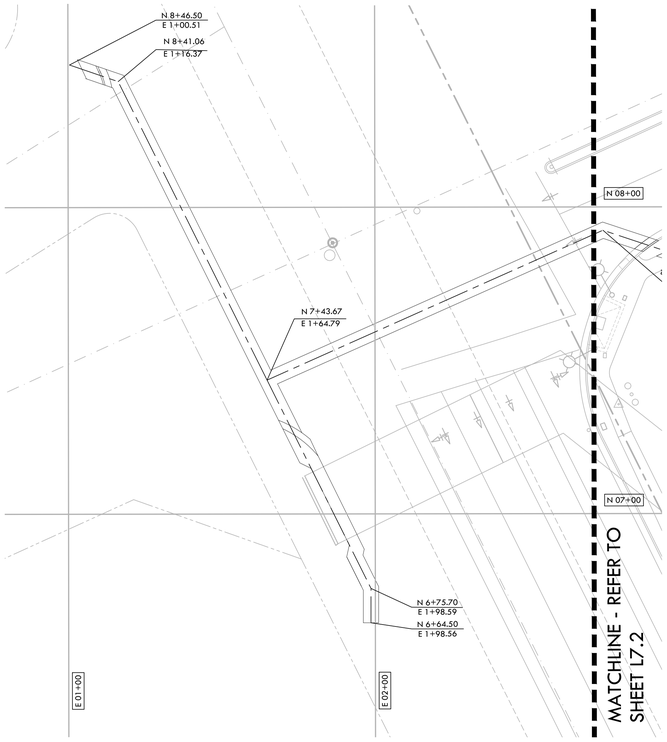


LAYOUT LEGEND

SYM	DESCRIPTION
POB	POINT OF BEGINNING
	ANCHOR POINT FOR BASELINE A
R10'	RADIUS POINT / CENTER MARK
90°	PROPOSED ANGLE BETWEEN ELEMENTS
ALIGN	ALIGN EDGES OF ELEMENTS
	CENTER LINES
	BASELINE
	CONTROL LINE
1	BIKE RACK LAYOUT PER DETAIL E, SHEET D2.2
(CODI)	CENTER OF DISSIPATER
	OUTLINE OF STORMWATER CONTROL MEASURE AT DRIVEWAY

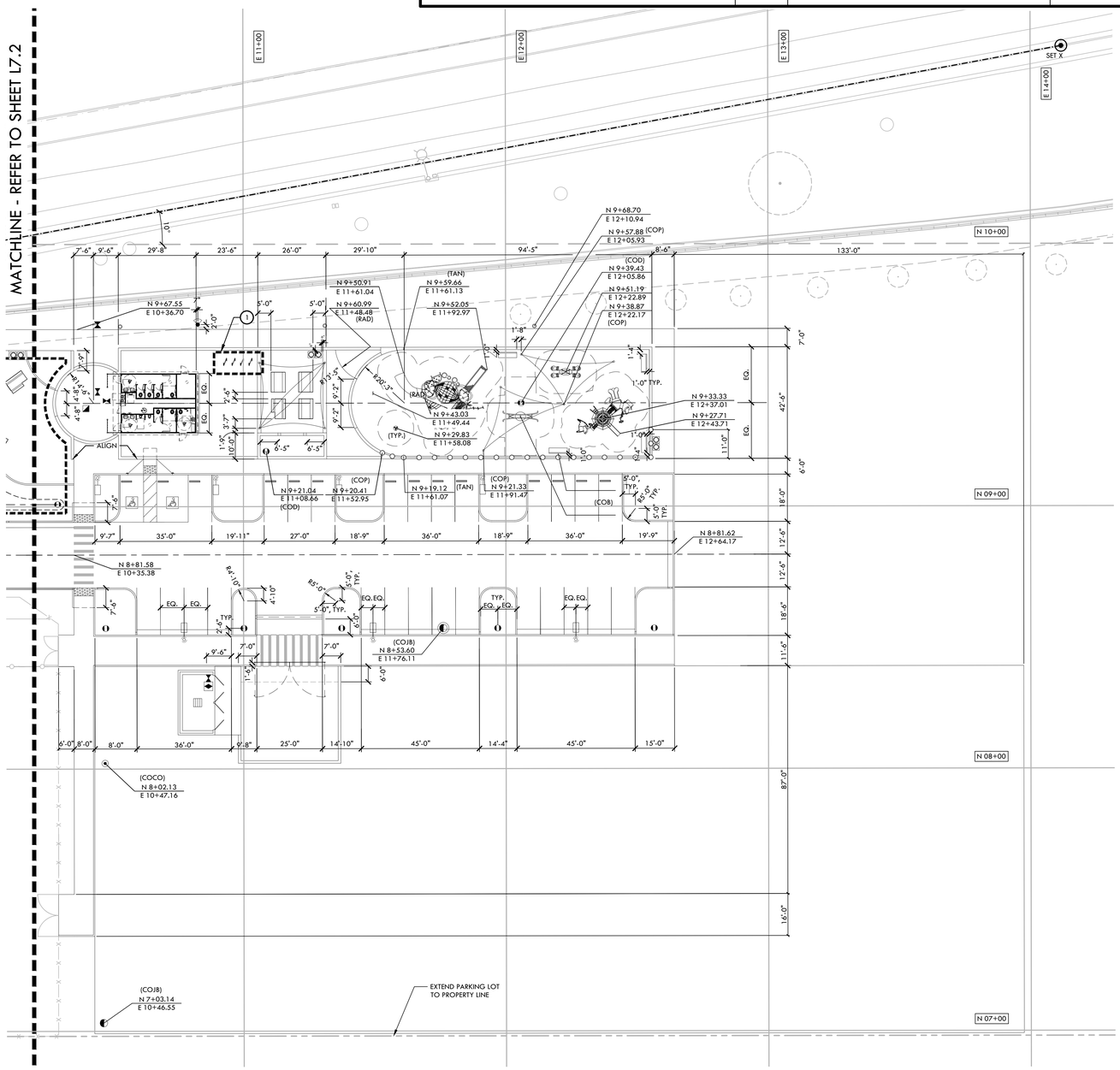
LAYOUT LEGEND

SYM	DESCRIPTION
N 6+21.95 E 4+97.08	NORTHING/EASTING LAYOUT COORDINATE CALLOUT
(COD)	CENTER OF DRAIN
(COP)	CENTER OF POST
(POB)	POINT OF BEGINNING FOR GRID LAYOUT
(RAD)	RADIUS POINT
(TAN)	TANGENT POINT
(COMH)	CENTER OF MANHOLE
(SCP)	CENTER OF SCUPPER
(COCO)	CENTER OF CLEANOUT
(POC)	POINT ON CURVE
(COB)	CENTER OF BENCH
(COJB)	CENTER OF JUNCTION BOX

LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO PLACING LIGHT POLES.
4. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
5. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

NOTE:
1. POINT OF BEGINNING (POB) IS LOCATED AT MONUMENT LABELED SET X, ELEVATION 326.98.
2. CONTROL POINT IS LOCATED AT SET X, ELEVATION 348.50.
3. BASELINE B IS DETERMINED BY ESTABLISHING A CONTROL LINE FROM POB TO CONTROL POINT.
4. LAYOUT GRID IS DETERMINED BY ROTATING CLOCKWISE 10°.
5. BASELINE A IS 90° FROM BASELINE B AT POB.
6. GRID IS 100' OFFSETS FROM EACH BASELINE.



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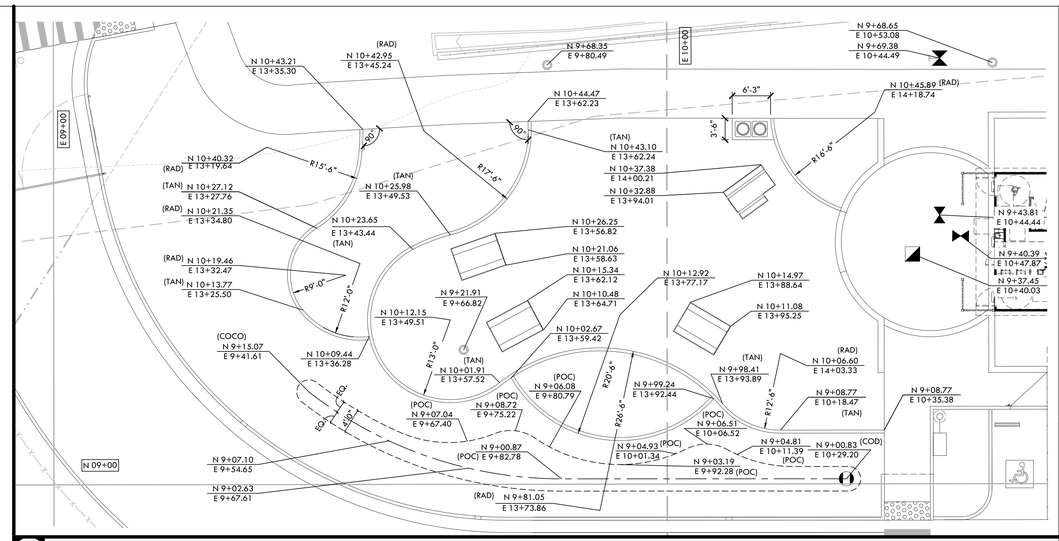

A PICNIC AREA ENLARGEMENT 1"=10'

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R10'	RADIUS POINT / CENTER MARK	(COP)	CENTER OF POST
90°	PROPOSED ANGLE BETWEEN ELEMENTS	(POB)	POINT OF BEGINNING FOR GRID LAYOUT
ALIGN	ALIGN EDGES OF ELEMENTS	(RAD)	RADIUS POINT
	CENTER LINES	(TAN)	TANGENT POINT
	BASELINE	(COMH)	CENTER OF MANHOLE
	CONTROL LINE	(SCP)	CENTER OF SCUPPER
1	BIKE RACK LAYOUT PER DETAIL E, SHEET D2.2	(COCO)	CENTER OF CLEANOUT
(CODI)	CENTER OF DISSIPATER	(POC)	POINT ON CURVE
	OUTLINE OF STORMWATER CONTROL MEASURE AT DRIVEWAY	(COB)	CENTER OF BENCH
		(COJB)	CENTER OF JUNCTION BOX

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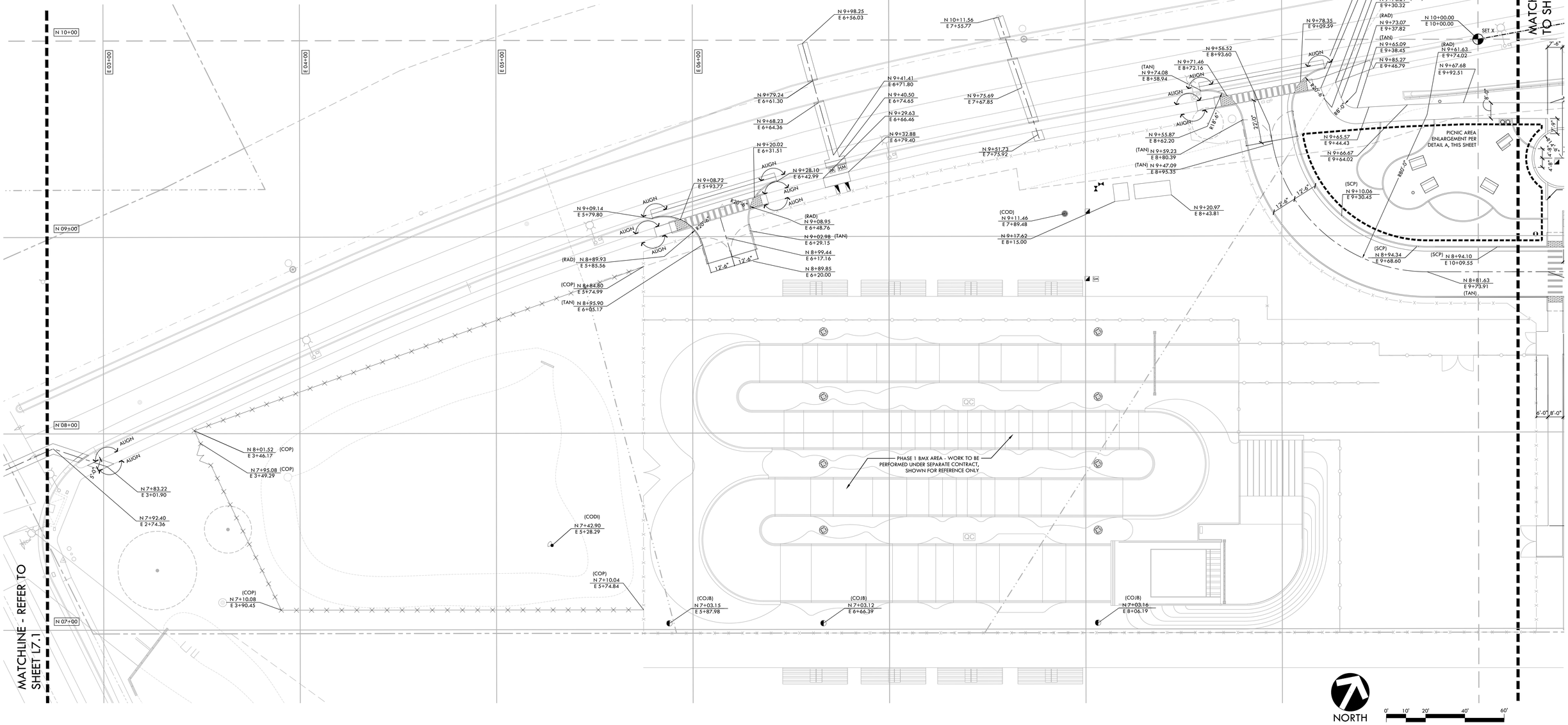
3. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO PLACING LIGHT POLES.
4. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
5. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

NOTE:
1. POINT OF BEGINNING (POB) IS LOCATED AT MONUMENT LABELED SET X, ELEVATION 326.98.
2. CONTROL POINT IS LOCATED AT SET X, ELEVATION 348.50.
3. BASELINE B IS DETERMINED BY ESTABLISHING A CONTROL LINE FROM POB TO CONTROL POINT.
4. LAYOUT GRID IS DETERMINED BY ROTATING CLOCKWISE 10°.
5. BASELINE A IS 90° FROM BASELINE B AT POB.
6. GRID IS 100' OFFSETS FROM EACH BASELINE.

CITY COMMENT REVISIONS 5/17/24



LAYOUT PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\221470I - MH Butterfield Park Phase 1 Development\CAD\L_LAY.dwg

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT CREER No. 6168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

LAYOUT PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L7.2

MATERIAL LEGEND

SYM	DESCRIPTION	DTL REF
23	RESTROOM/CONCESSIONS BUILDING PER PUBLIC RESTROOM COMPANY - COLORS PER SPECS	A-D D4.1
24	TRASH AND RECYCLING RECEPTACLES PER SPECIFICATIONS	J D2.3
25	TRASH ENCLOSURE - REFER TO STRUCTURAL DRAWINGS	A D2.4
26	RAISED CROSSWALK ISLAND	K D2.2
27	BMX TRACK PROJECT PER ASD, WORK TO BE PERFORMED UNDER SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY	
28	EXPANDED THICKENED CONCRETE EDGE	B D2.1
29	THICKENED 6" CONCRETE EDGEBAND	M D2.1
30	6" WIDE CONCRETE CURB AT BIORETENTION AREAS	N D2.2
31	12" WIDE CONCRETE EDGEBAND AT SYNTHETIC TURF	O D2.2
32	PEDESTRIAN LIGHT PER ELECTRICAL	
33	ACCESSIBLE CURB RAMP - TYPE 1	P D2.2
34	ACCESSIBLE CURB RAMP - TYPE 2	Q D2.2
35	6' X 12' CHAIN LINK DOUBLE SWING GATE	F D2.3
36	ASPHALT TRANSITION	N D2.1
37	16" WIDE CONCRETE EDGEBAND	N D2.3
38	SHADE SAIL FOOTING IN SYNTHETIC TURF	L D2.3
39	SHADE SAIL FOOTING IN EDGEBAND	I D2.3
40	PARK RULES SIGN	B D2.4
41	SHADE SAILS AT PICNIC AREA	A D2.7, A D2.8, A D2.9

SYM	DESCRIPTION	DTL REF
14	GATE AT BMX TRACK PROJECT PER ASD, WORK TO BE PERFORMED UNDER SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY	
15	27" WIDE VEHICULAR PIPE SWING GATE	H D2.3
16	SHADE SAILS IN PLAYGROUND	E D2.4, A D2.5
17	4' CONCRETE WHEELSTOP	K D2.3
18	PICNIC TABLE - REFER TO SPECIFICATIONS	M D2.3
19	ACCESSIBLE PICNIC TABLE - REFER TO SPECIFICATIONS	G D2.3
20	BENCH- REFER TO SPECIFICATIONS	E D2.2
21	BIKE RACK- REFER TO SPECIFICATIONS AND MANUFACTURER INSTRUCTIONS	H D2.3
22	42" TALL GATE LOCKING POST	

SYM	DESCRIPTION	DTL REF
5	18" WIDE CONCRETE SWALE	D D1.2
6	DOWEL JOINT AT THESE LOCATIONS	E D2.1
7	CONCRETE CURB AND GUTTER	S D1.2
8	SCUPPER	L D2.1
9	CONCRETE SEATWALL - 18" TALL	B D2.2
10	DRIVEWAY APPROACH DETAIL - SHOWN FOR REFERENCE	K D2.1
11	ACCESSIBLE PARKING STALL STRIPING	C D2.2
12	PARKING STRIPING - REFER TO SPECIFICATIONS	G D2.2
13	CROSSWALK STRIPING (PER CURB RAMP DETAIL)	Q D2.2

SYM	DESCRIPTION	DTL REF
PA	PLANTING AREA - REFER TO PLANTING PLAN	
	42" TALL ORNAMENTAL FENCE	L D2.2
	6' TALL CHAIN LINK FENCE	C D2.3
	FENCING PER BMX PLANS	
	PARKING LOT LIGHTS PER ELECTRICAL	
1	6" WIDE CONCRETE EDGEBAND	H D2.1
2	6" WIDE CONCRETE CURB	F D2.1
3	12" WIDE CONCRETE EDGEBAND	I D2.1
4	12" WIDE CONCRETE CURB AT BIORETENTION AREA	N D2.2

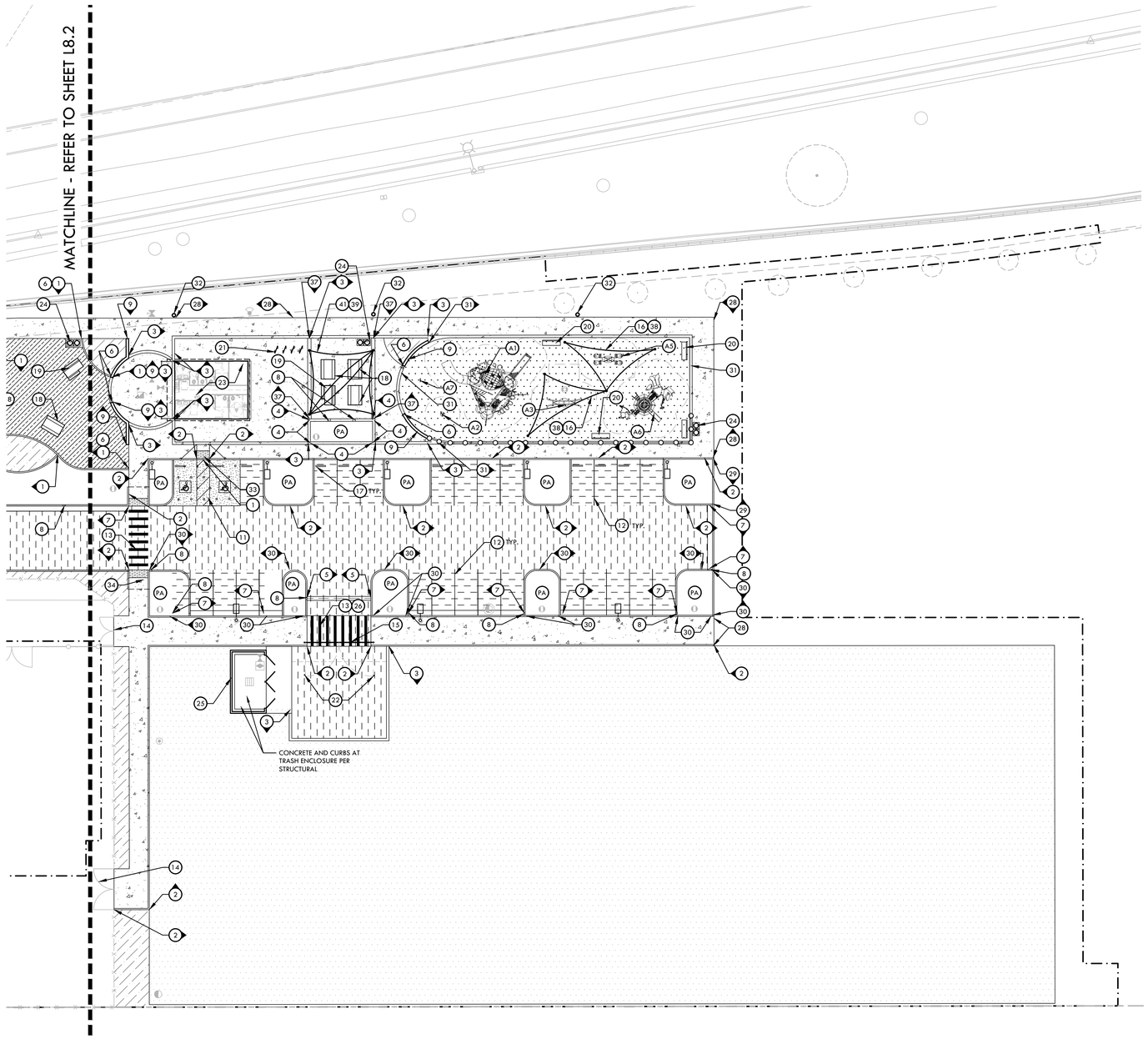
SYM	DESCRIPTION	DTL REF
	SYNTHETIC TURF PLAYGROUND SURFACE	G D2.1
	ASPHALT PAVING - THICKENED PROFILE	D D2.1
	ASPHALT PAVING - REDUCED PROFILE	D D2.1
	CONCRETE PAVING - PEDESTRIAN	B D2.1
	CONCRETE PAVING - VEHICULAR	B D2.1
	DECOMPOSED GRANITE - REFER TO SPECIFICATIONS	O D2.1
	MULCH - REFER TO SPECIFICATIONS	
	DIRT PARKING LOT - REFER TO SPECIFICATIONS	
	TRUNCATED DOMES - REFER TO SPECIFICATIONS	A D2.2

PLAY STRUCTURE LEGEND

SYM	DESCRIPTION	DTL REF
A1	BILLOWS PER LANDSCAPE STRUCTURES (5-12 YEARS)	A-F D3.1
A2	CURVA SPINNER PER LANDSCAPE STRUCTURES (5-12 YEARS)	G D3.1
A3	OODLE SWING PER LANDSCAPE STRUCTURES (5-12 YEARS)	H D3.1
A5	WE-SAW PER LANDSCAPE STRUCTURES (2-5 YEARS)	I D3.1
A6	BREEZE PER LANDSCAPE STRUCTURES (2-5 YEARS)	A,B D3.2
A7	WELCOME SIGN	C D3.2

MATERIAL NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
3. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
4. CONCRETE FINISHES SHALL BE AS NOTED. CONTRACTOR SHALL PROVIDE 4'X4' SAMPLES OF ALL SPECIFIED FINISHES OF CONCRETE USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE OWNER'S REPRESENTATIVE. ACCEPTED SAMPLES SHALL BE PROTECTED AND REMAIN ON SITE FOR REFERENCE UNTIL FINAL ACCEPTANCE.
5. ALL FENCES AND GATES SHOWN ON PLAN ARE GRAPHIC REPRESENTATIONS; REFER TO DETAILS AND SPECIFICATIONS FOR PRECISE LOCATION.
6. ASPHALT SHALL NOT BE INSTALLED UNTIL ALL EDGES AND SITE FURNISHING PADS ARE INSTALLED.
7. PER THE GEOTECH REPORT, AT ALL PROPOSED WALL AND TALL CURB LOCATIONS, FOUNDATIONS SHOULD BE OVER-EXCAVATED 24 INCHES BELOW THE BOTTOM OF THE PROPOSED FOUNDATION. THE OVER-EXCAVATION SHOULD INCLUDE THE ENTIRE FOOTING FOOTPRINT AND EXTEND A MINIMUM OF 3 FEET BEYOND THE FOUNDATIONS IN EACH DIRECTION. AFTER APPROVAL OF THE OVER-EXCAVATION, THE EXPOSED SOIL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES THEN COMPACTED AS ENGINEERED FILL. THE EXCAVATION SHOULD BE BACKFILLED WITH COMPACTED ENGINEERED FILL. REFER TO GEOTECH REPORT.
8. PER THE GEOTECH REPORT, AT ALL PROPOSED PAVING, FLATWORK AND SYNTHETIC TURF LOCATIONS: SUBGRADE SHOULD BE OVER-EXCAVATED A MINIMUM OF 12 INCHES BELOW THE BOTTOM OF THE PROPOSED AGGREGATE BASE SECTION, TO A MINIMUM OF 18 INCHES BELOW THE PRECONSTRUCTION SITE GRADE, OR TO A MINIMUM OF 12 INCHES BELOW EXISTING IMPROVEMENTS TO BE REMOVED, WHICHEVER IS GREATER. THE OVER-EXCAVATION SHOULD INCLUDE THE ENTIRE FOOTPRINT AND EXTEND A MINIMUM OF 3 FEET BEYOND THE EDGE. AFTER APPROVAL OF THE OVER-EXCAVATION, THE EXPOSED SOIL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES THEN COMPACTED AS ENGINEERED FILL. THE EXCAVATION SHOULD BE BACKFILLED WITH COMPACTED ENGINEERED FILL. REFER TO GEOTECH REPORT.



NORTH 0' 10' 20' 40' 60'

CITY COMMENT REVISIONS 5/17/24

MATERIAL AND DETAIL REFERENCE PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: DESIGN: VERDE
CHECKED: DM
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HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT No. 4168 STATE OF CALIFORNIA EXPIRATION DATE: DEC. 2025

MATERIAL AND DETAIL REFERENCE PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L8.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_MAT.dwg

MATERIAL LEGEND

SYM	DESCRIPTION	DTL REF
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	FENCING PER BMX PLANS	
	PARKING LOT LIGHTS PER ELECTRICAL	
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2	6" WIDE CONCRETE CURB	F D2.1
3	12" WIDE CONCRETE EDGEBAND	I D2.1
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	ASPHALT PAVING - THICKENED PROFILE	D D2.1
	ASPHALT PAVING - REDUCED PROFILE	D D2.1
	CONCRETE PAVING - PEDESTRIAN	B D2.1
	CONCRETE PAVING - VEHICULAR	B D2.1
	DECOMPOSED GRANITE - REFER TO SPECIFICATIONS	O D2.1
	MULCH - REFER TO SPECIFICATIONS	
	DIRT PARKING LOT - REFER TO SPECIFICATIONS	
	TRUNCATED DOMES - REFER TO SPECIFICATIONS	A D2.2

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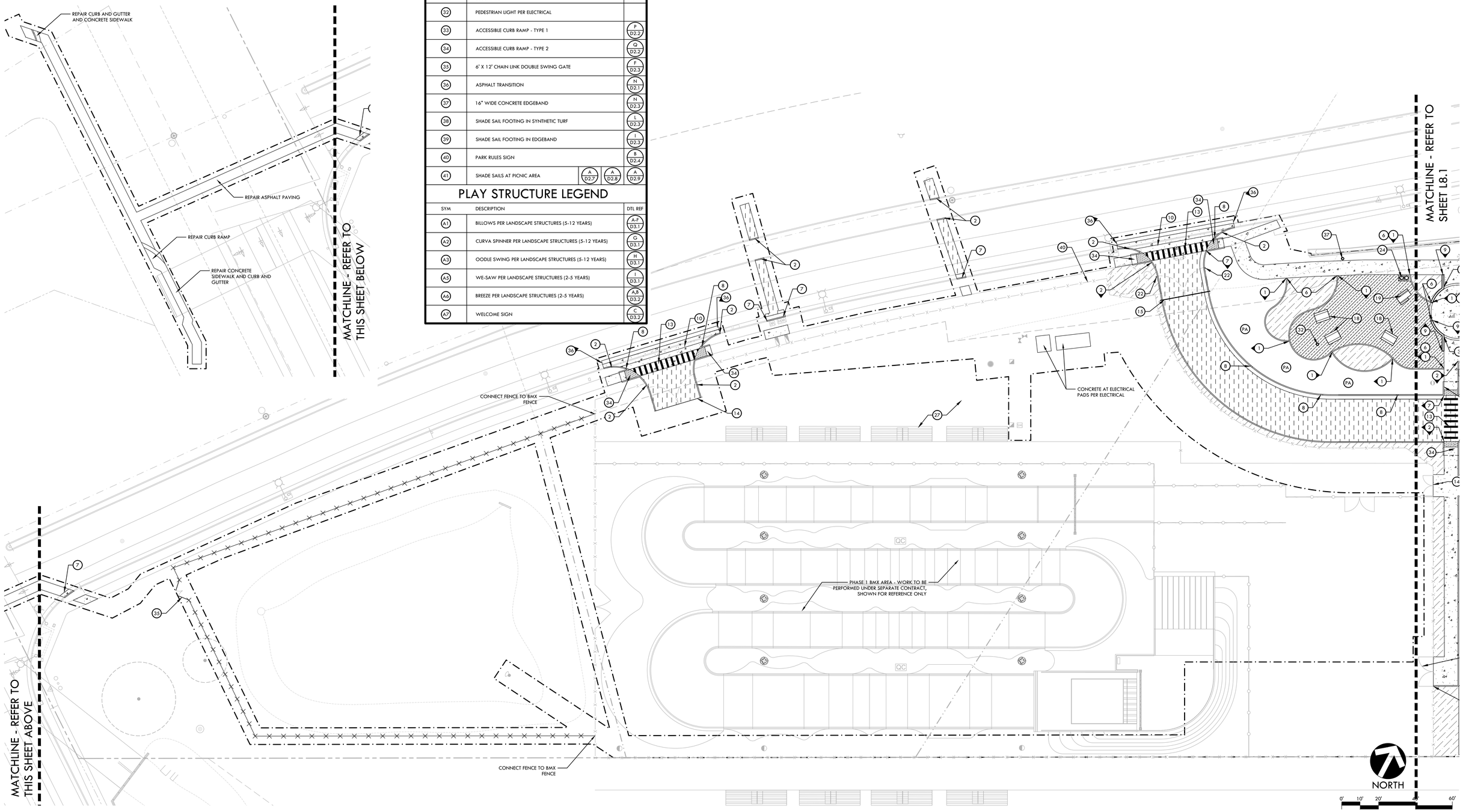
SYM	DESCRIPTION	DTL REF
32	PEDESTRIAN LIGHT PER ELECTRICAL	
33	ACCESSIBLE CURB RAMP - TYPE 1	P D2.2
34	ACCESSIBLE CURB RAMP - TYPE 2	Q D2.2
35	6' X 12' CHAIN LINK DOUBLE SWING GATE	F D2.3
36	ASPHALT TRANSITION	N D2.1
37	16" WIDE CONCRETE EDGEBAND	N D2.3
38	SHADE SAIL FOOTING IN SYNTHETIC TURF	L D2.3
39	SHADE SAIL FOOTING IN EDGEBAND	I D2.3
40	PARK RULES SIGN	B D2.4
41	SHADE SAILS AT PICNIC AREA	A D2.7 / A D2.8 / A D2.9

PLAY STRUCTURE LEGEND

SYM	DESCRIPTION	DTL REF
A1	BILLOWS PER LANDSCAPE STRUCTURES (5-12 YEARS)	A-F D3.1
A2	CURVA SPINNER PER LANDSCAPE STRUCTURES (5-12 YEARS)	G D3.1
A3	OODLE SWING PER LANDSCAPE STRUCTURES (5-12 YEARS)	H D3.1
A5	WE-SAW PER LANDSCAPE STRUCTURES (2-5 YEARS)	I D3.1
A6	BREEZE PER LANDSCAPE STRUCTURES (2-5 YEARS)	A,B D3.2
A7	WELCOME SIGN	C D3.2



CITY COMMENT REVISIONS 5/17/24

MATERIAL AND DETAIL REFERENCE PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
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CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

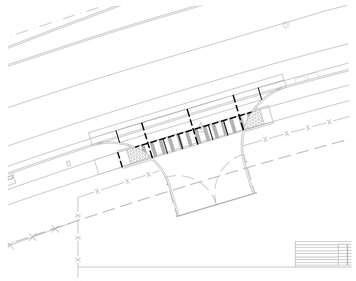
REGISTERED LANDSCAPE ARCHITECT SCOTT MOSER OREER No. 5879 EXPIRATION DATE: 06/30/2025 STATE OF CALIFORNIA

MATERIAL AND DETAIL REFERENCE PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

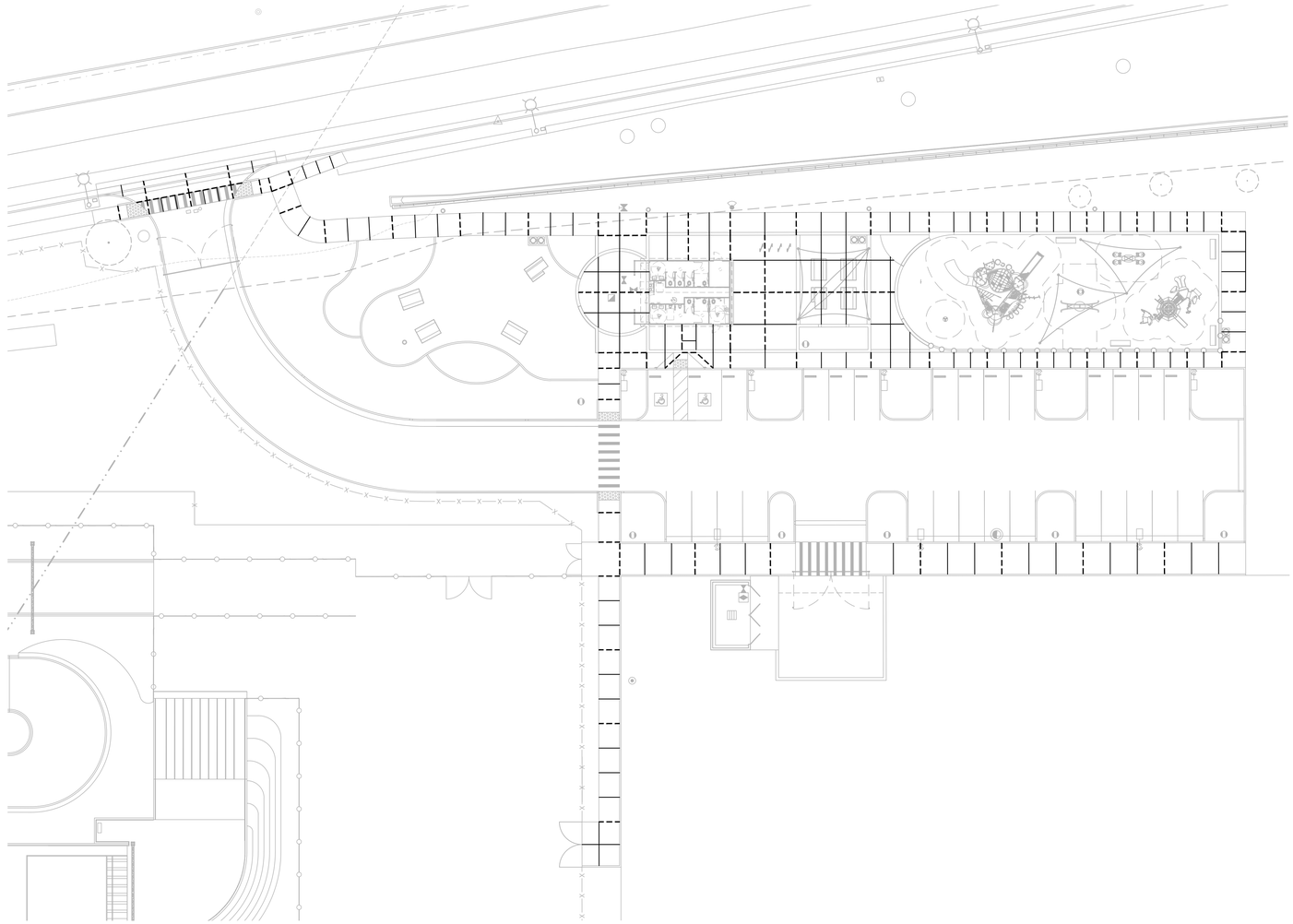
FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L8.2

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_MAT.dwg

SYM	DESCRIPTION	DTL REF
	EXPANSION JOINT	E D2.1
	SCORELINE JOINT	E D2.1



BMX DRIVEWAY - SCORE LINE PATTERN



PARK AREA - SCORE LINE PATTERN

NORTH 0' 10' 20' 40' 60'

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

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VERT: AS SHOWN

JOB NUMBER: 2214701

SCOTT C. CREER
RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES

17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT
SCOTT C. CREER
No. 6148
RENEWAL DATE: 08/31/2025
STATE OF CALIFORNIA

SCORE LINE JOINT PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:

PRINT DATE:

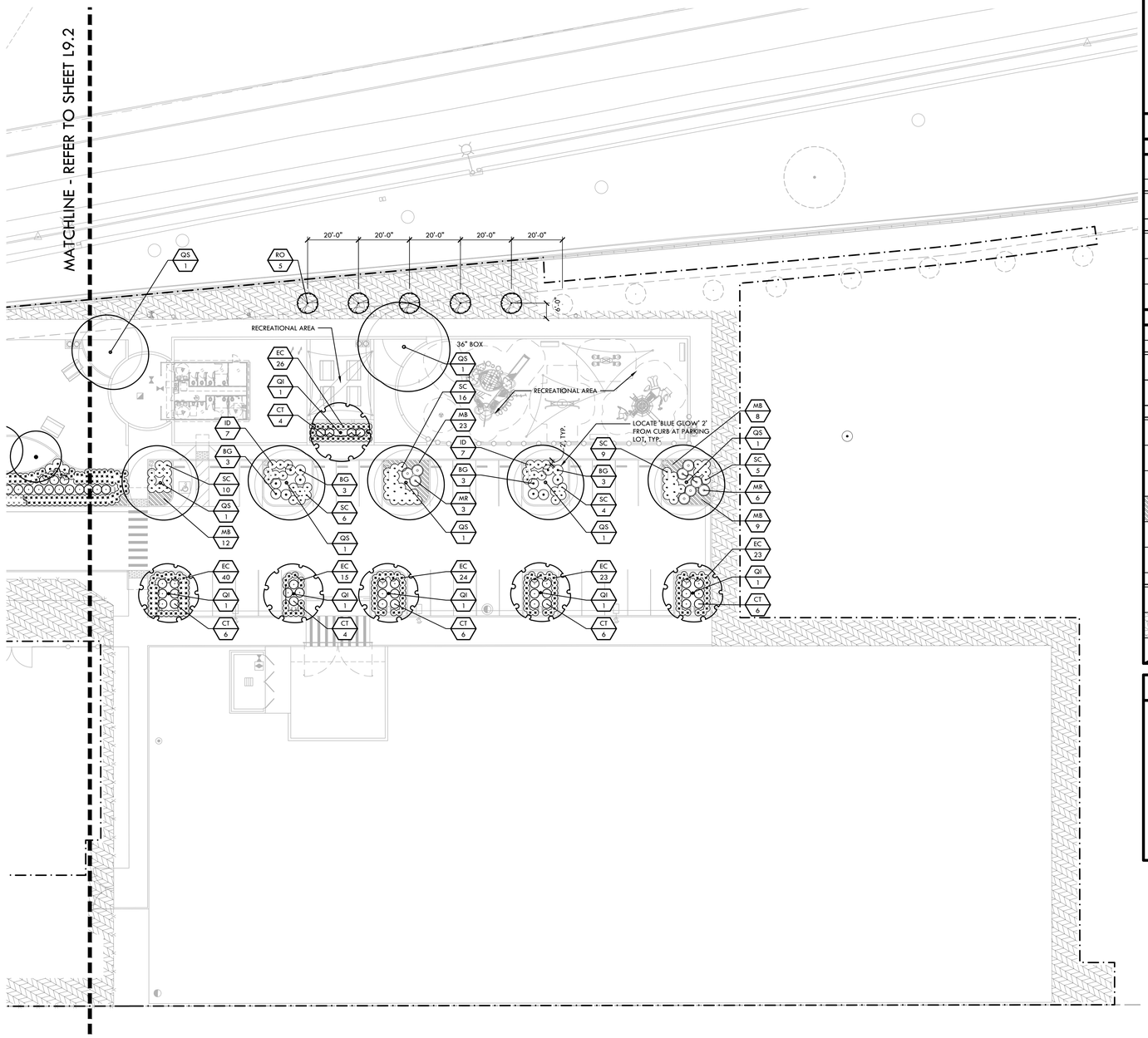
SHEET NUMBER: L8.3

CITY COMMENT REVISIONS 5/17/24

SCORE LINE JOINT PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD\...ANT.dwg



PLANTING NOTES

1. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL PLANT MATERIAL FROM TIME OF DELIVERY TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT OR SEVERE WEATHER.
2. CONTRACTOR SHALL PLACE PLANT MATERIALS SO THEY DO NOT INTERFERE WITH IRRIGATION SYSTEM OR INHIBIT REQUIRED COVERAGE. PLANT LOCATIONS MAY BE ADJUSTED AS LONG AS DESIGN INTENT IS NOT COMPROMISED. CONTRACTOR SHALL SET OUT PLANT MATERIAL AS PER PLAN AND RECEIVE ACCEPTANCE FROM OWNER'S REPRESENTATIVE WITH RESPECT TO PLANT HEALTH AND LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE MINIMUM 2 WORKING DAYS NOTICE FOR OBSERVATION AND SHALL HAVE ALL PLANT MATERIAL IN SPECIFIED LOCATIONS FOR REVIEW AT ONE TIME. CONTRACTOR SHALL REPLACE ANY MATERIAL AS REQUESTED BY OWNER'S REPRESENTATIVE.
3. ALL NON-TURF PLANTING AREAS SHALL RECEIVE A 3" LAYER OF MULCH TOP DRESS (UNLESS NOTED OTHERWISE). REFER TO SPECIFICATIONS.
4. WHEN WORK HAS TO OCCUR UNDER THE DRIPLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.
5. ALL SHRUB AND TREE AREA SHALL RECEIVE A WEED FABRIC LAYER. INSTALL WITH STAPLES, 3" OVERLAP AND COVER WITH MULCH.
6. ALL TURF, MULCH AND PLANTERS TO RECEIVE SOIL AMENDMENTS AND SOIL PREPARATION PER SPECIFICATIONS UNLESS OTHERWISE NOTED.
7. PRIOR TO THE PLANTING OF ANY MATERIALS, COMPACTED SOILS SHALL BE TRANSFORMED TO A FRIABLE CONDITION. ON ENGINEERED SLOPES, ONLY AMENDED PLANTING HOLES NEED MEET THIS REQUIREMENT.
8. STABILIZING MULCHING PRODUCTS SHALL BE USED ON SLOPES THAT MEET CURRENT ENGINEERING STANDARDS.
9. THE MULCHING PORTION OF THE SEED/MULCH SLURRY IN HYDRO-SEEDED APPLICATIONS SHALL MEET THE MULCHING REQUIREMENT.
10. SOIL AMENDMENTS SHALL BE INCORPORATED ACCORDING TO RECOMMENDATIONS OF THE SOIL REPORT AND WHAT IS APPROPRIATE FOR THE PLANTS SELECTED.
11. SOIL REPORT ATTACHED TO SPECIFICATIONS AS APPENDIX A

PLANTING LEGEND

BIORETENTION PLANTINGS

SYM	QTY	SIZE	BOTANICAL/COMMON NAME	SPACING/ COMMENTS	WATER USE REQUIREMENTS PER WUCOLS REGION 1	DTL REF
BIORETENTION TREES						
QI	6	24" BOX	QUERCUS ILEX HOLLY OAK	-	LOW	E D5.2
BIORETENTION GROUNDCOVERS/GRASSES						
CT	63	1 GAL	CHONDROPETALUM TECTORUM SMALL CAPE RUSH	3' O.C.	LOW	D,K D5.2
EC	289	1 GAL	ELYMUS CONDENSATUS 'CANYON PRINCE' CANYON PRINCE WILD RYE	2' O.C.	LOW	D,K D5.2
JP	82	1 GAL	JUNCUS PATENS 'ELK BLUE' ELK BLUE CALIFORNIA GRAY RUSH	2' O.C.	LOW	D,K D5.2

NON-BIORETENTION PLANTINGS

SYM	QTY	SIZE	BOTANICAL/COMMON NAME	SPACING/ COMMENTS		DTL REF
TREES						
OE	3	24" BOX	OLEA EUROPEA 'SWAN HILL' FRUITLESS OLIVE TREE	-	VERY LOW	E D5.2
QS	7	24" BOX	QUERCUS SUBER (24" BOX UNLESS NOTED) CORK OAK	-	LOW	E D5.2
	1	36" BOX				
SHRUBS/GROUNDCOVERS						
BG	24	5 GAL	AGAVE 'BLUE GLOW' BLUE GLOW AGAVE	3'6" O.C.	LOW	D,K D5.2
AS	7	5 GAL	ARCTOSTAPHYLOS 'SUNSET' SUNSET MANZANITA	7" O.C.	LOW	D,K D5.2
ID	21	1 GAL	IRIS DOUGLASIANA 'CANYON SNOW' DOUGLAS IRIS	3' O.C.	LOW	D,K D5.2
MB	119	1 GAL	MIMULUS 'BURST BERRY' BURST BERRY MONKEY FLOWER	2' O.C.	VERY LOW	D,K D5.2
MR	9	1 GAL	MUHLENBERGIA RIGENS DEER GRASS	4' O.C.	LOW	D,K D5.2
SC	102	1 GAL	SALVIA CLEVELANDII 'WINNIFRED GILMAN' BLUE SAGE	3' O.C.	LOW	D,K D5.2
MISCELLANEOUS						
RO	5		RELOCATED OAKS REFER TO DEMOLITION PLAN	20' O.C.	VERY LOW	5 D5.1
	HYDROSEED PER SPECIFICATIONS					
	LIMIT OF WORK					

PLANTING NOTES

1. A MINIMUM THREE-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED. TO PROVIDE HABITAT FOR BENEFICIAL INSECTS AND OTHER WILDLIFE, UP TO FIVE PERCENT OF THE LANDSCAPE AREA MAY BE LEFT WITHOUT MULCH.
2. TYPES OF MULCH NOT ALLOWED INCLUDE: BARK MULCH, GORILLA HAIR, SHREDDED CEDAR, OR VIRGIN MATERIALS. ORGANIC MULCH MATERIALS MADE FROM RECYCLED OR POST-CONSUMER SHALL TAKE PRECEDENCE OVER INORGANIC MATERIALS OR VIRGIN FOREST PRODUCTS UNLESS THE RECYCLED POST-CONSUMER ORGANIC PRODUCTS ARE NOT LOCALLY AVAILABLE. ORGANIC MULCHES ARE NOT REQUIRED WHERE PROHIBITED BY LOCAL FUEL MODIFICATION PLAN GUIDELINES OR OTHER APPLICABLE LOCAL ORDINANCES.
3. FOR LANDSCAPE INSTALLATIONS, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER ONE THOUSAND SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL. SOILS WITH GREATER THAN SIX PERCENT ORGANIC MATTER IN THE TOP SIX INCHES OF SOIL ARE EXEMPT FROM ADDING COMPOST AND TILLING.
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NORTH 0' 10' 20' 40' 60'

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Revisions

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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

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PLANTING PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L9.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_PLT.dwg

PLANTING NOTES

1. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL PLANT MATERIAL FROM TIME OF DELIVERY TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT OR SEVERE WEATHER.
2. CONTRACTOR SHALL PLACE PLANT MATERIALS SO THEY DO NOT INTERFERE WITH IRRIGATION SYSTEM OR INHIBIT REQUIRED COVERAGE. PLANT LOCATIONS MAY BE ADJUSTED AS LONG AS DESIGN INTENT IS NOT COMPROMISED. CONTRACTOR SHALL SET OUT PLANT MATERIAL AS PER PLAN AND RECEIVE ACCEPTANCE FROM OWNER'S REPRESENTATIVE WITH RESPECT TO PLANT HEALTH AND LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE MINIMUM 2 WORKING DAYS NOTICE FOR OBSERVATION AND SHALL HAVE ALL PLANT MATERIAL IN SPECIFIED LOCATIONS FOR REVIEW AT ONE TIME. CONTRACTOR SHALL REPLACE ANY MATERIAL AS REQUESTED BY OWNER'S REPRESENTATIVE.
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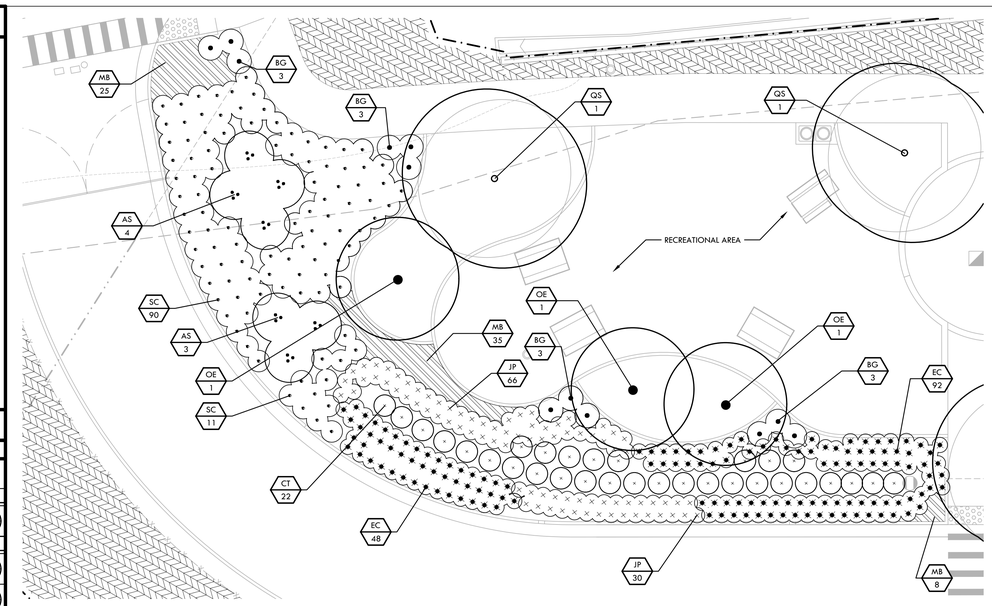

PICNIC AREA ENLARGEMENT 1"=10'

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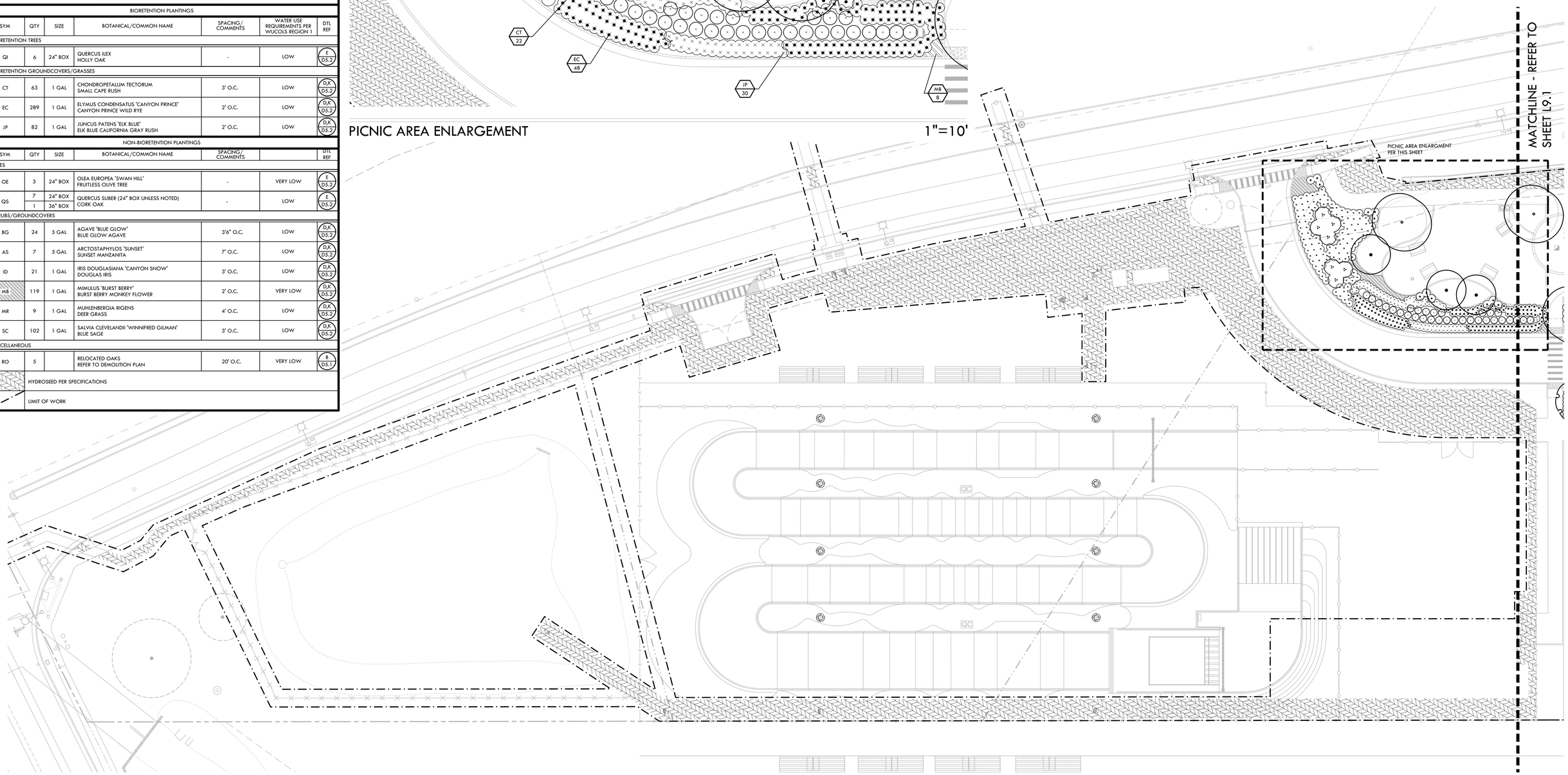

CITY COMMENT REVISIONS 5/17/24

PLANTING PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_PLT.dwg

NO.	DESCRIPTION	DATE	BY
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Revisions

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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

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JOB NUMBER: 2214701

CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT No. 6168 EXPIRATION DATE DEC. 2025 STATE OF CALIFORNIA

PLANTING PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: L9.2

WELO WATER BUDGET AND WATER USE CALCULATOR

Date:	6.4.24
Project Name:	Butterfield Park
Project Contact:	Michael Kuntz
Project Contact Email:	mkuntz@verdedesigninc.com

Maximum Applied Water Allowance (MAWA)	Project Type	ETo	ETAF	Special Landscape Area (SLA)	Total Landscape Area including SLA	MAWA (gal/yr)
	non-residential	49.5	0.45		7,293	99,477

MAWA =(ETo) * (0.62) *[(ETAF*LA) + ((1-ETAF) * SLA)]

Estimated Total Water Use (ETWU)	ETo	(SF * PF) / IE	SLA	ETWU (gal/yr)
	49.5	1,779	+	54,583

ETWU =(ETo) * (0.62) *[(SF*PF/IE) + SLA]

Difference between MAWA and ETWU	44,894	Project meets water budget.

ETWU Calculation (Regular landscape areas)	Zone #	Description	Select Irrigation	Square Feet (SF)	Plant Factor (PF)	Irrigation Efficiency (IE)	(SF * PF) / IE
	1	Trees in picnic area	Bubbler	375	0.20	0.81	93
	2	Shrubs at bioretention	Drip	3,245	0.20	0.81	801
	3	Trees at parking/playground	Bubbler	900	0.20	0.81	222
	4	Shrubs at parking/playground	Drip	2,683	0.20	0.81	662
		Landscape area (not including SLA)		7,203			1,779

ETWU Calculation Special Landscape Areas (SLA)	Description	Square Feet (SF)	Plant Factor / Irrigation Efficiency (PF/IE)	(SF * PF) / IE
	Edible planting area	0	1.0	-
	Multi-use and sports field turf area	0	1.0	-
	Area irrigated with recycled water	0	1.0	-
	Pool	0	1.0	-
	Total SLA	0		0

Total Landscape Area (including SLA) from ETWU Calculation	7,203

HYDROZONE LEGEND

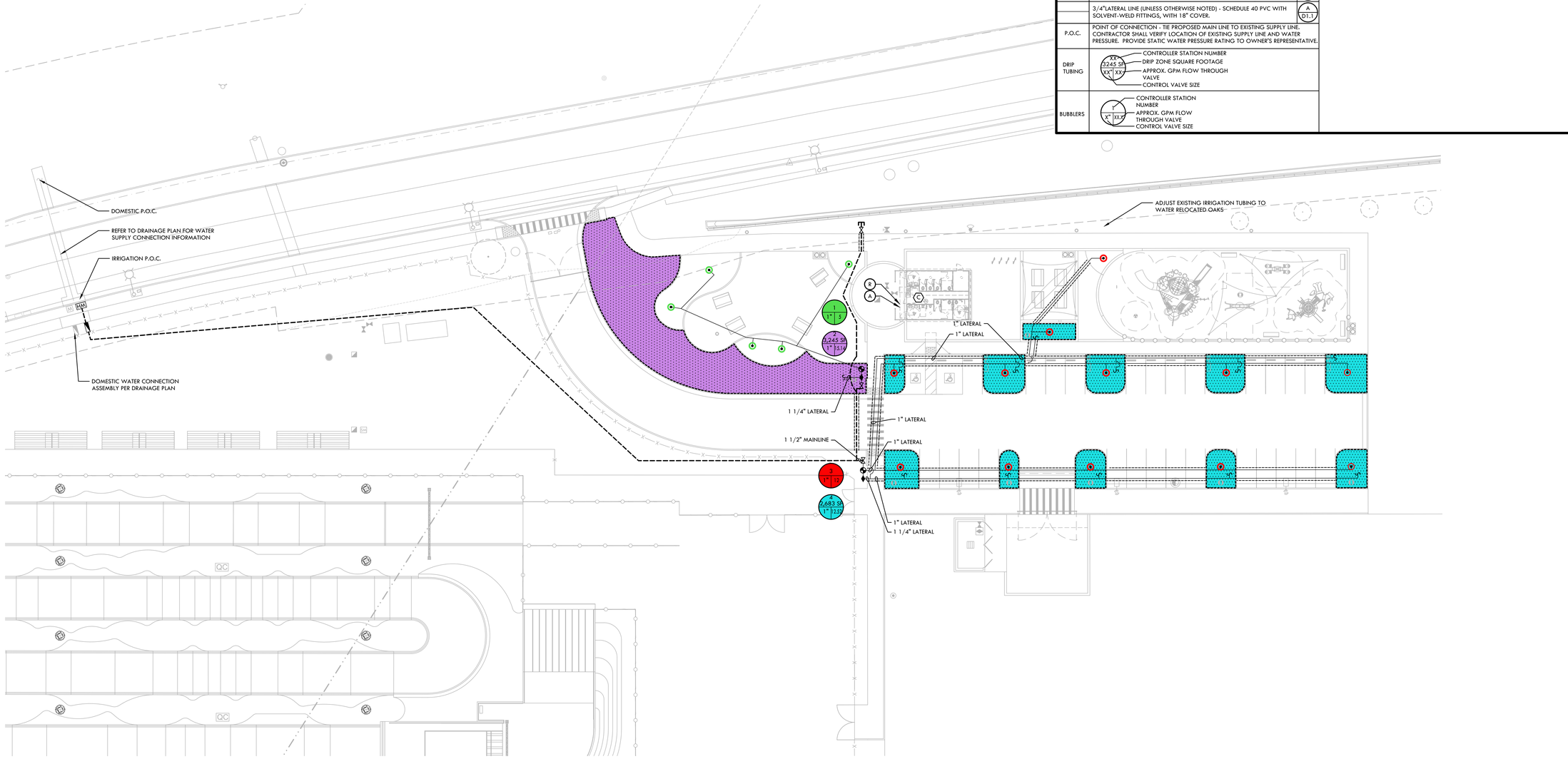
SYM.	HYDROZONE/ CONTROLLER STATION NUMBER	APPLICATION RATE (IN/HR)	DESIGN OPERATING PRESSURE (PSI)
	1	1.28	30
	2	0.46	57
	3	1.28	30
	4	0.45	57

IRRIGATION LEGEND

SYM.	MANUFAC.	MODEL NO./ DESCRIPTION	DES. RAD./ CAT. RAD.	GPM	PSI	DTL REF
•	HUNTER	RZWS-18.50-CV TREE BUBBLER HEAD 2 PER TREE	-	.50	30	E DS.2
	NETAFIM	DRIP ZONE: SHRUB AREAS WITH NETAFIM TECHLINE V LITE WITH 0.42 GPH EMITTERS, 12" SPACING O.C. FOR EMITTERS; 18" SPACING O.C. FOR TUBING; INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS, DETAILS, AND SPECIFICATIONS				G,H,I DS.2
	NIBCO	GATE VALVES 2" AND SMALLER SHALL BE NIBCO T-113. FOR VALVES ABOVE 2" IN SIZE UTILIZE NIBCO F-619 FLANGED VALVE WITH SQUARE OPERATING NUT.				I DS.1
	NIBCO	CONTRACTOR TO STUB OUT MAIN LINE AND PLACE (6) EXTRA CONTROL WIRES AND A COMMON (MIN. 36" IN LENGTH) COILED IN A 10" ROUND VALVE BOX FOR FUTURE IRRIGATION				M DS.2
	MUELLER	GATE VALVES FOR DOMESTIC WATER, REFER TO DRAINAGE PLAN				
	WILKENS	4" 375G BACKFLOW PREVENTER (REDUCED PRESSURE). REFER TO BACKFLOW PREVENTER NOTES FOR ENCLOSURE INFORMATION, DETAIL L, SHEET D1.2. USE DUAL SWING TYPE.				R D1.2
	-	BACKFLOW PREVENTER FOR DOMESTIC WATER, REFER TO DRAINAGE PLAN				
	GRISWOLD	GRISWOLD 2000 REMOTE CONTROL VALVE				H DS.1
	NETAFIM	1 1/2" HIGH FLOW KIT, REMOTE CONTROL VALVE, LVCZSF-150HP				D DS.1
HM	NETAFIM	6" HYDROMETER, PROVIDE SUBMITTAL				C DS.1
M	MORGAN HILL WATER DIVISION	NEW METER FOR DOMESTIC WATER, REFER TO DRAINAGE PLAN				
C	HYDROPOINT	WEATHERTRAK ET PRO3 2-WIRE WALL MOUNT SS.				E DS.1
R	IRRITROL	WIRED RAIN SENSOR RS500. ATTACH TO BUILDING FASCIA, COORDINATE WITH RESTROOM COMPANY. RUN WIRE TO CONTROLLER.				
A	WILSON ELECTRONICS	OMNI OUTDOOR CYLINDER ANTENNA (ANT-OMNI). ATTACH TO BUILDING FASCIA, COORDINATE WITH RESTROOM COMPANY. RUN WIRE TO CONTROLLER.				
	-	IRRIGATION SLEEVE - CLASS 200 PVC, SIZE AS NOTED WITH 30" COVER.				A DS.1
		MAIN LINE - 6" MAIN LINE UNLESS OTHERWISE NOTED: CLASS 200 PVC. WITH 24" COVER.				A D1.1
		3/4"LATERAL LINE (UNLESS OTHERWISE NOTED) - SCHEDULE 40 PVC WITH SOLVENT-WELD FITTINGS, WITH 18" COVER.				A D1.1
P.O.C.		POINT OF CONNECTION - TIE PROPOSED MAIN LINE TO EXISTING SUPPLY LINE. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING SUPPLY LINE AND WATER PRESSURE. PROVIDE STATIC WATER PRESSURE RATING TO OWNER'S REPRESENTATIVE.				
DRIP TUBING		XX 3245 SF XX" XX — CONTROLLER STATION NUMBER; DRIP ZONE SQUARE FOOTAGE; APPROX. GPM FLOW THROUGH VALVE; CONTROL VALVE SIZE				
BUBBLERS		X" XX.X — CONTROLLER STATION NUMBER; APPROX. GPM FLOW THROUGH VALVE; CONTROL VALVE SIZE				

IRRIGATION NOTES

1. THIS SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM FLOW OF (27.66) GPM. WITH A MINIMUM (72) STATIC P.S.I. AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK. CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND RE-DIRECT WORK TO AVOID DELAY.
2. CONTRACTOR SHALL ADJUST IRRIGATION HEADS FOR OPTIMUM COVERAGE WHILE REDUCING OVER-SPRAY ONTO WALKWAYS AND ADJACENT STRUCTURES. VALVES SHALL BE ADJUSTED TO AVOID MISTING AS APPLICABLE. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO HEAD LOCATIONS IN FIELD AS NECESSARY ONLY WITH APPROVAL OF THE OWNER'S REPRESENTATIVE.
3. IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. WHERE PIPING, VALVES, QUICK COUPLERS, ETC. ARE SHOWN OUTSIDE OF LIMIT OF WORK, INTENT IS FOR PIPING, VALVES, ETC., TO BE INSTALLED WITHIN LIMIT OF WORK OF PROJECT. INDICATE EXACT LOCATIONS OF IRRIGATION EQUIPMENT ON RECORD DRAWINGS. REFER TO SPECIFICATIONS.
4. CONTRACTOR SHALL PROGRAM CONTROLLER TO INSURE PROPER IRRIGATION BASED ON PLANT TYPE, EXPOSURE AND SEASON.
5. CONTRACTOR SHALL USE EXTREME CARE WHEN TRENCHING NEAR EXISTING TREES OR CROSSING UTILITIES. EXCAVATION IN AREAS EXHIBITING ROOTS 2" AND LARGER SHALL BE DONE BY HAND. ROOTS 2" OR LARGER IN DIAMETER DAMAGED DURING CONSTRUCTION SHALL BE CLEANLY CUT.
6. P.O.C. - POINT OF CONNECTION - CONTRACTOR SHALL VERIFY LOCATION OF EXISTING SUPPLY LINE AND WATER PRESSURE. PROVIDE STATIC WATER PRESSURE RATING TO OWNER'S REPRESENTATIVE.
7. CONTRACTOR SHALL INSTALL NEW IRRIGATION VALVES PER PLANS AND DETAILS. CONTRACTOR SHALL EXTEND EXISTING TWO WIRE SYSTEM TO NEW VALVES AS NEEDED TO ENSURE NEW SYSTEM WILL WORK WITH EXISTING IRRIGATION CONTROLLER.
8. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. PROVIDE 120V ELECTRICAL POWER TO IRRIGATION CONTROLLER.
10. CONTRACTOR TO CONTACT WEATHERTRAK AND CONDUCT A CELL RECEPTION TEST WITH A RENTED CELL TEST KIT TO DETERMINE RECEPTION. QUALITY OF RECEPTION WILL DETERMINE THE NEED OR NOT FOR ANTENNA.
11. ALL IRRIGATION MUST TAKE PLACE BEFORE 9:00AM OR AFTER 7:00PM.
12. FOR DRIP AREAS WITH STEEP SLOPES CHECK VALVES SOULD BE USED AS NEEDED TO REDUCE WATER FROM BACKFLOWING INTO THE VALVE.



CITY COMMENT REVISIONS 5/17/24

IRRIGATION PLAN

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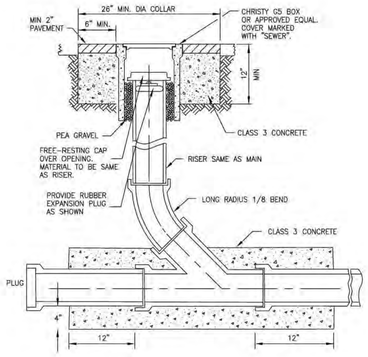
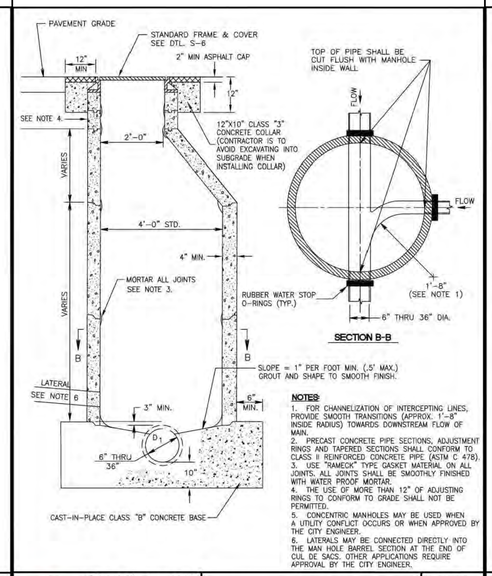
SHEET NUMBER: L10.1

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_IRR.dwg



City of Morgan Hill Public Works Department			SEWER CLEANOUT	DRAWING NO. S-1
CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		

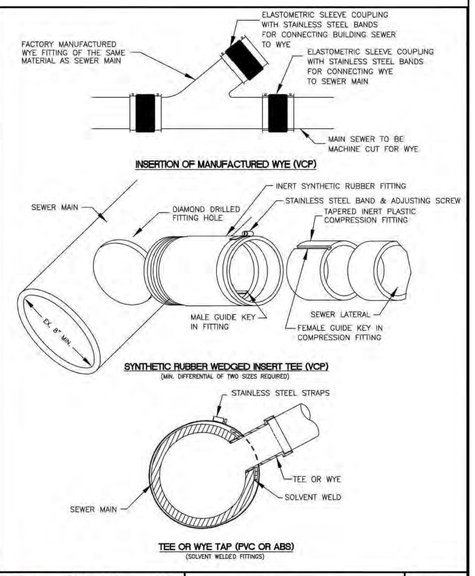
G SEWER CLEANOUT



NOTES:
1. FOR CHANNELIZATION OF INTERCEPTING LINES, PROVIDE SMOOTH TRANSITIONS (APPROX. 1'-8" INSIDE RADIUS) TOWARDS DOWNSTREAM FLOW OF MAIN.
2. PRECAST CONCRETE PIPE SECTIONS, ADJUSTMENT RINGS AND TAPERED SECTIONS SHALL CONFORM TO CLASS II REINFORCED CONCRETE PIPE (ASTM C 478).
3. USE "RAMECK" TYPE GASKET MATERIAL ON ALL JOINTS. ALL JOINTS SHALL BE SMOOTHLY FINISHED WITH WATER PROOF MORTAR.
4. THE USE OF MORE THAN 12" OF ADJUSTING RINGS TO CONFORM TO GRADE SHALL NOT BE PERMITTED.
5. CONCENTRIC MANHOLES MAY BE USED WHEN A UTILITY CONFLICT OCCURS OR WHEN APPROVED BY THE CITY ENGINEER.
6. LATERALS MAY BE CONNECTED DIRECTLY INTO THE MAN HOLE BARREL SECTION AT THE END OF CUL DE SACS. OTHER APPLICATIONS REQUIRE APPROVAL BY THE CITY ENGINEER.

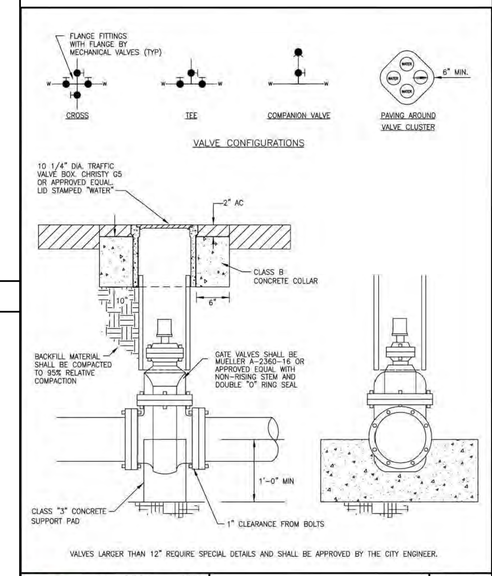
City of Morgan Hill Public Works Department			SANITARY SEWER MANHOLE PIPE SIZES 6" TO 36"	DRAWING NO. S-4
CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		

E SANITARY SEWER MANHOLE



City of Morgan Hill Public Works Department			SEWER LATERAL CONNECTION OPTIONS	DRAWING NO. S-3
CITY ENGINEER	4/1/96 DATE	REVISED		

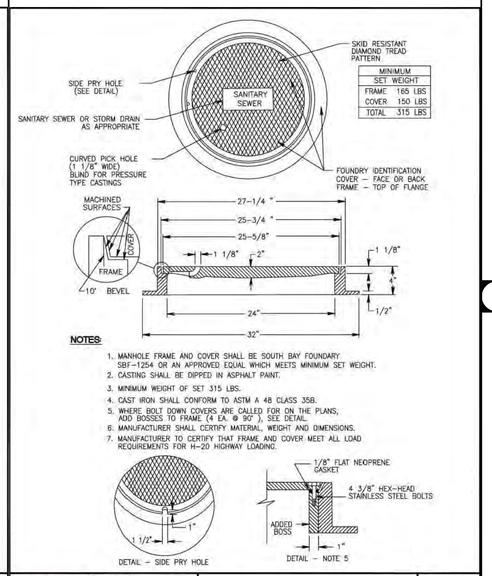
B SEWER LATERAL CONNECTION OPTIONS



VALVES LARGER THAN 12" REQUIRE SPECIAL DETAILS AND SHALL BE APPROVED BY THE CITY ENGINEER.

City of Morgan Hill Public Works Department			TYPICAL VALVE INSTALLATION	DRAWING NO. W-12
CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		

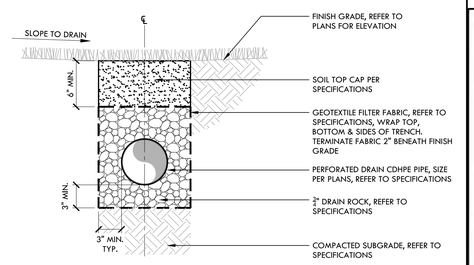
H VALVE INSTALLATION



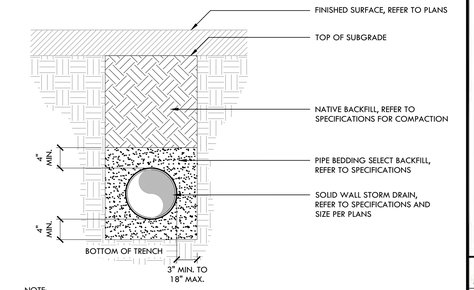
NOTES:
1. MANHOLE FRAME AND COVER SHALL BE SOUTH BAY FOUNDARY SBF-1254 OR AN APPROVED EQUAL WHICH MEETS MINIMUM SET WEIGHT.
2. CASTING SHALL BE DIPPED IN ASPHALT PAINT.
3. MINIMUM WEIGHT OF SET 315 LBS.
4. CAST IRON SHALL CONFORM TO ASTM A 48 CLASS 35B.
5. WHERE BOLT DOWN COVERS ARE CALLED FOR ON THE PLANS, ADD BOSSES TO FRAME (4 EA. @ 90°). SEE DETAIL.
6. MANUFACTURER SHALL CERTIFY MATERIAL, WEIGHT AND DIMENSIONS.
7. MANUFACTURER TO CERTIFY THAT FRAME AND COVER MEET ALL LOAD REQUIREMENTS FOR H-20 HIGHWAY LOADING.

City of Morgan Hill Public Works Department			STANDARD MANHOLE FRAME & COVER	DRAWING NO. S-6
CITY ENGINEER	4/1/96 DATE	3/15/07 REVISED		

F SANITARY SEWER MANHOLE FRAME & COVER

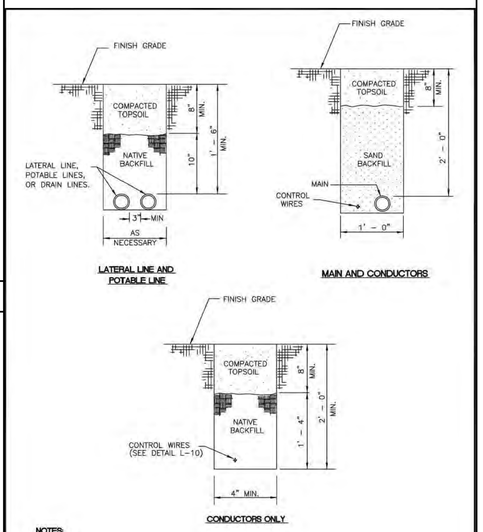


D PERFORATED SUBDRAIN LINE NTS



NOTE:
CONTRACTOR TO INSTALL SURFACING IMPROVEMENTS PER DRAWINGS. SECTIONS FOR SURFACING IMPROVEMENTS SHALL SUPERCEDE BACKFILL FOR STORM DRAINS.

C TRENCH BACKFILL - SOLID WALL STORM/SEWER NTS



NOTES:
1. TAPE AND BUNDLE WIRING AT 10 FOOT INTERVALS.
2. NATIVE BACKFILL AND TOP SOIL TO BE FREE OF ROCK AND DEBRIS.(3/4" MAX. ROCK SIZE)

City of Morgan Hill Public Works Department			IRRIGATION AND DRAIN LINE TRENCH	DRAWING NO. L-1
CITY ENGINEER	8/6/98 DATE	6/8/00 REVISED		

A IRRIGATION AND DRAIN LINE TRENCH

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR: BY: DATE:

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CRIER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT MOSER No. 6148 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

DRAINAGE AND UTILITY DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

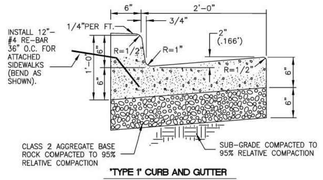
FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D1.1

CITY COMMENT REVISIONS 5/17/24

DRAINAGE AND UTILITY DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - Mh Butterfield Park Phase 1 Development\CAD_DTL1.1-DRN.dwg



"TYPE 1" CURB AND GUTTER

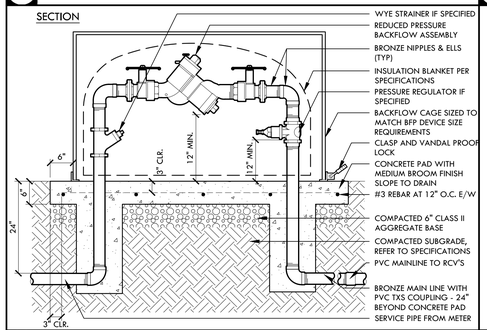
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	4/1/96	3/15/07

CONCRETE CURB AND/OR GUTTER TYPES

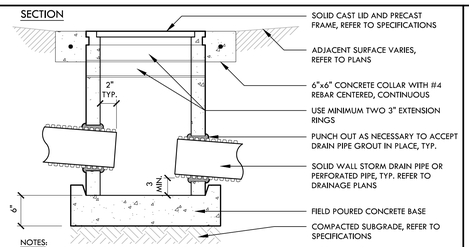
DRAWING NO. A-3

S CONCRETE CURB AND GUTTER



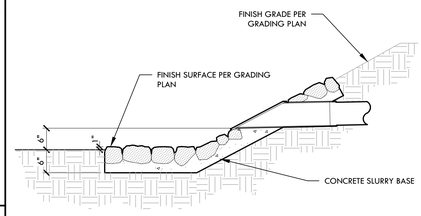
R BACKFLOW PREVENTER WITH FILTER AND PRV NTS

O

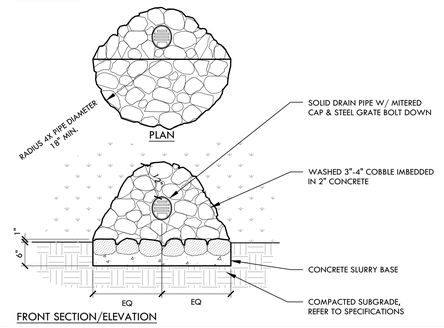


NOTES:
1. SET CATCH BASIN RIM FLUSH WITH ADJACENT SURFACE. VERIFY EXACT LOCATION AND RIM PRIOR TO INSTALLATION.
2. POSITIVE DRAINAGE TO INLET SHALL BE VERIFIED BY CONTRACTOR.
3. ALL PIPING ENTRIES AND EXITS INTO DRAINAGE STRUCTURES SHALL BE GROUTED SMOOTH AND WATERTIGHT USING NON-SHRINK GROUT, TYP.
4. ALL RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT, REFER TO SPECIFICATIONS.
5. ALL GRATES SHALL BE FITTED WITH LOCK-DOWN MECHANISMS OR BOLT-DOWN COVERS.
6. FOR BASIN SIZE, RIM AND INVERT ELEVATIONS, REFER TO DRAINAGE PLAN.

K JUNCTION BOX IN PAVING NTS

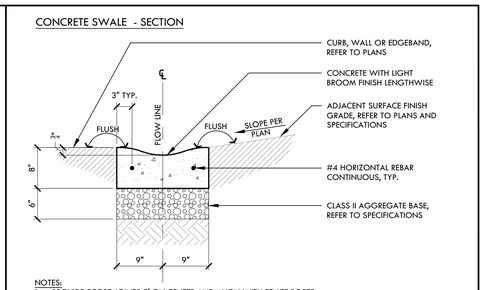


SIDE SECTION



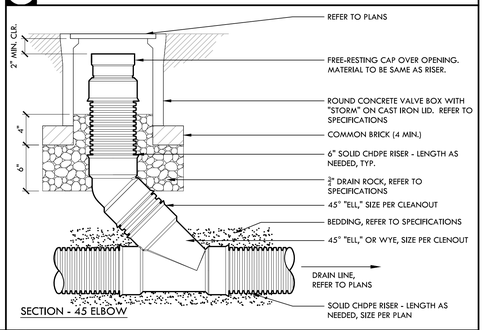
FRONT SECTION/ELEVATION

G COBBLE ENERGY DISSIPATOR NTS



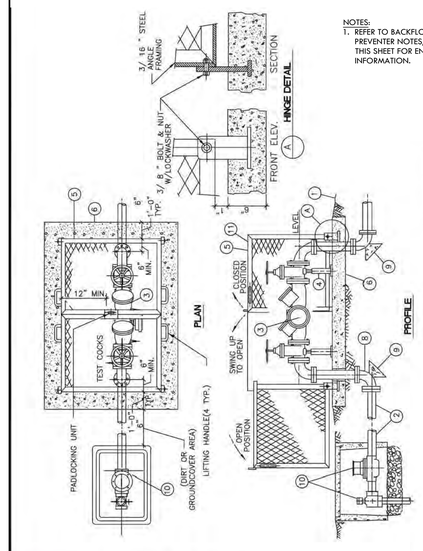
NOTES:
1. PROVIDE SCORE JOINTS 8' ON CENTER AND ALIGN WITH FENCE POSTS.
2. SJ = SAWCUT JOINT
EJ = EXPANSION JOINT
REFER TO DETAIL X, SHEET DXX

D CONCRETE SWALE



SECTION - 45 ELBOW

C STORM DRAIN CLEANOUT NTS



City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/6/98	

R.P BACKFLOW PREVENTER WITH DOUBLE-SWING HINGED ENCLOSURE

DRAWING NO. L-11

P BACKFLOW PREVENTER ENCLOSURE

L

NOTE: THESE NOTES APPLY TO LANDSCAPING WORK. FOR DOMESTIC, COMMERCIAL/INDUSTRIAL APPLICATIONS, SEE "W"-WATER SECTION.

LEGEND

1. Finish Grade.
2. Service size galvanized steel pipe from water meter. Use Ductile Iron Pipe with flange fittings for sizes 2 1/2" and larger.
3. Reduced Pressure Backflow Preventer FEBCO 825Y (or approved equal) for sizes 3/4" through 2", and FEBCO 825 YD (or approved equal) for sizes 2 1/2" to 4".
4. Adjustable pipe saddle support, galvanized steel, suitable for supporting general piping 4" and larger.
5. Backflow preventer enclosure manufactured by Lerneur (or approved equal). Enclosure shall be single-swing type for backflow unit sizes 3/4" through 2" and double-swing type ("clam shell") for backflow unit sizes 2 1/2" through 4". Frame shall be 1 1/2" X 1 1/2" X 3/16" steel angle with 1 1/2" #9 expanded metal. Install as shown on plans.
6. 6" concrete enclosure pad, size as shown on the plan.
7. Service size galvanized steel pipe riser with a minimum of two (2) unions for threaded connections (sizes 1" to 2").
8. 90° elbow, flanged or threaded, wrapped with 10 mil PVC tape.
9. Concrete thrust block for service size 4" or larger (see detail W-12).
10. Water meter and service by others (see detail W-1)
11. Two coats of enamel. Color specified per approved plans.

NOTES:

1. Gate valves and test cocks are required.
2. Water supply- no connections or tees are allowed between the water meter and backflow unit.
3. Protection from freeze damage may be required in exposed areas.
4. Device must be accessible for testing and maintenance. Prior to activation, call 776-7333 for backflow device inspection.
5. Wrap buried galvanized pipe with 3M tape or approved equal.

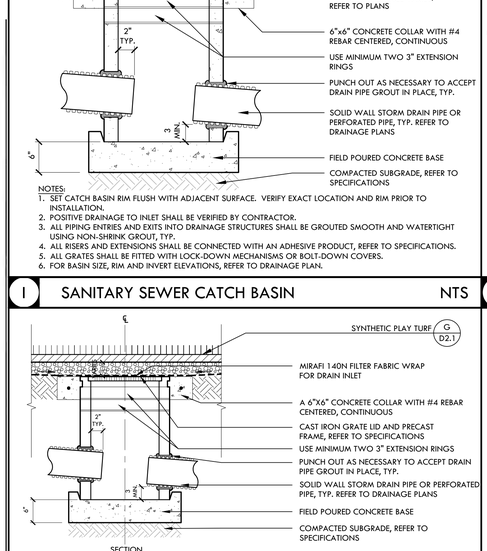
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/1/97	3/15/07

LANDSCAPE BACKFLOW PREVENTER LEGEND AND NOTES

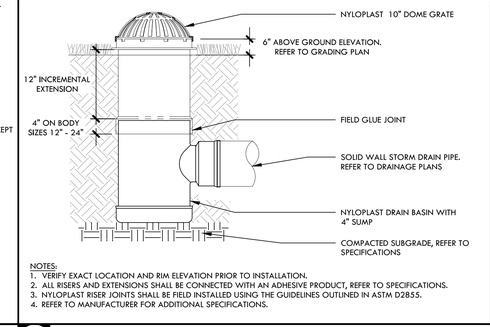
DRAWING NO. L-12

L BACKFLOW PREVENTER NOTES



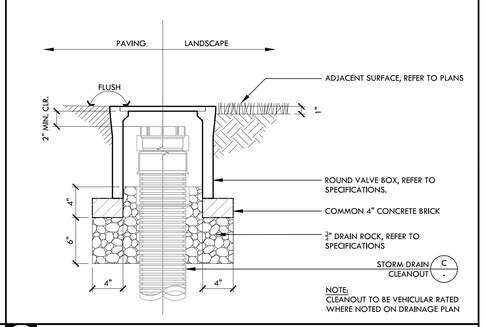
NOTES:
1. SET CATCH BASIN RIM FLUSH WITH ADJACENT SURFACE. VERIFY EXACT LOCATION AND RIM PRIOR TO INSTALLATION.
2. POSITIVE DRAINAGE TO INLET SHALL BE VERIFIED BY CONTRACTOR.
3. ALL PIPING ENTRIES AND EXITS INTO DRAINAGE STRUCTURES SHALL BE GROUTED SMOOTH AND WATERTIGHT USING NON-SHRINK GROUT, TYP.
4. ALL RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT, REFER TO SPECIFICATIONS.
5. ALL GRATES SHALL BE FITTED WITH LOCK-DOWN MECHANISMS OR BOLT-DOWN COVERS.
6. FOR BASIN SIZE, RIM AND INVERT ELEVATIONS, REFER TO DRAINAGE PLAN.

J JUNCTION BOX - SOFTSCAPE NTS



NOTES:
1. VERIFY EXACT LOCATION AND RIM ELEVATION PRIOR TO INSTALLATION.
2. ALL RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT, REFER TO SPECIFICATIONS.
3. NYLOPLAST RISER JOINTS SHALL BE FIELD INSTALLED USING THE GUIDELINES OUTLINED IN ASTM D2855.
4. REFER TO MANUFACTURER FOR ADDITIONAL SPECIFICATIONS.

G OVERFLOW DRAIN NTS



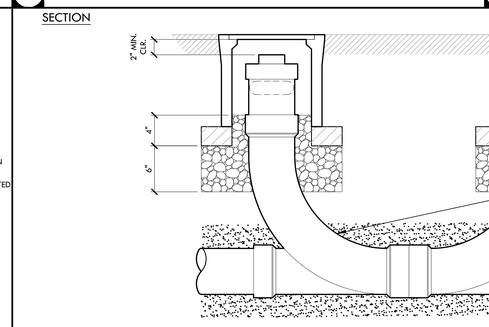
NOTE:
CLEANOUT TO BE VEHICULAR RATED WHERE NOTED ON DRAINAGE PLAN

B CLEANOUT IN HARDSCAPE/SOFTSCAPE NTS

SECTION

NOTES
1. SET CATCH BASIN / JUNCTION BOX RIM FLUSH WITH ADJACENT SURFACE. VERIFY EXACT LOCATION AND RIM PRIOR TO INSTALLATION.
2. POSITIVE DRAINAGE TO INLET SHALL BE VERIFIED BY CONTRACTOR.
3. ALL PIPING ENTRIES AND EXITS INTO DRAINAGE STRUCTURES SHALL BE GROUTED SMOOTH AND WATERTIGHT USING NON-SHRINK GROUT, TYP.
4. ALL RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT (RAMNEK OR EQUIVALENT).
5. ALL GRATES SHALL BE FITTED WITH LOCK-DOWN MECHANISMS OR BOLT-DOWN COVERS.

H CATCH BASIN UNDER SYNTHETIC TURF WITH AGGREGATE BASE NTS



E 'U' SANITARY SEWER CLEANOUT - TWO WAY NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE | DESIGN: VERDE | HOR: AS SHOWN
CHECKED: DM | VERT: AS SHOWN
APPROVED: DATE: | JOB NUMBER: 2214701

SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — EXPIRATION DATE: DEC. 2025

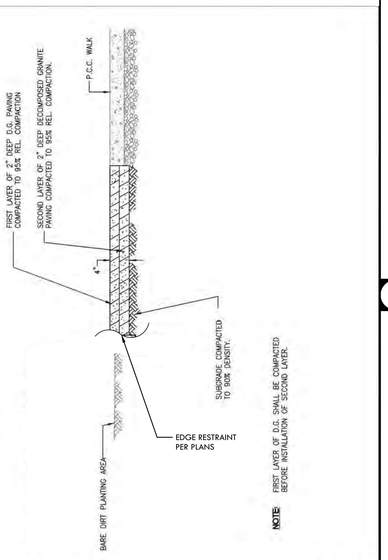
DRAINAGE AND UTILITY DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D1.2

CITY COMMENT REVISIONS 5/17/24

DRAINAGE AND UTILITY DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - Mtl Butterfield Park Phase 1 Development\CAD_DTL1.1-DRN.dwg

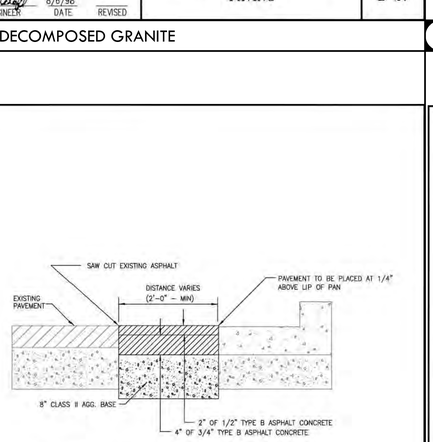


City of Morgan Hill
Public Works Department
CITY ENGINEER — 8/8/98 DATE — REVISED

DECOMPOSED GRANITE PAVING

DRAWING NO. L-27

O DECOMPOSED GRANITE



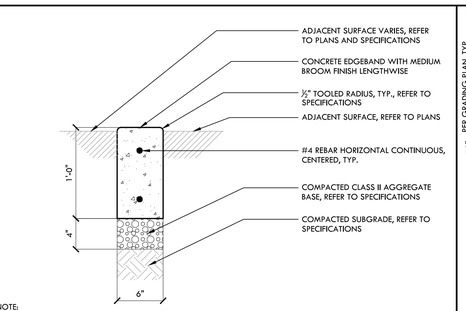
NOTES:
1. TACK COAT ALL VERTICAL EDGES PRIOR TO PLACEMENT OF AC.
2. THE REQUIRED DISTANCE OF THE PAVEMENT TRANSITION SHALL DEPEND ON THE CONDITION OF THE EXISTING AC. CARE SHALL BE TAKEN DURING THE REMOVAL OF THE EXISTING GUTTER PAN TO HELP MINIMIZE THE TRANSITION PAVING WIDTH. A 2'-0" MIN. DISTANCE (AS SHOWN) SHALL BE REQUIRED UNLESS OTHERWISE DETERMINED BY THE CITY ENGINEER.

City of Morgan Hill
Public Works Department
CITY ENGINEER — 4/1/96 DATE — REVISED

PAVEMENT TO NEW CURB TRANSITION

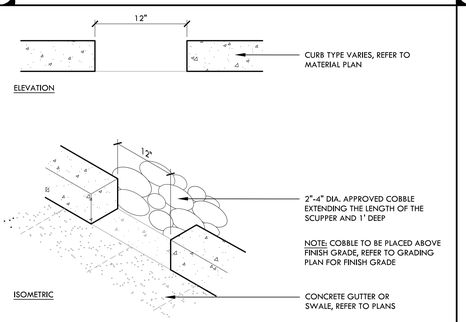
DRAWING NO. A-12

N PAVEMENT TO NEW CURB TRANSITION

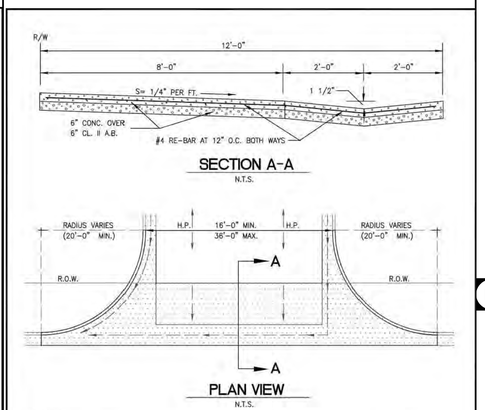


NOTE:
REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, THIS SHEET FOR ADDITIONAL INFORMATION

M THICKENED 6" CONCRETE EDGEBAND NTS



L CURB SCUPPER NTS



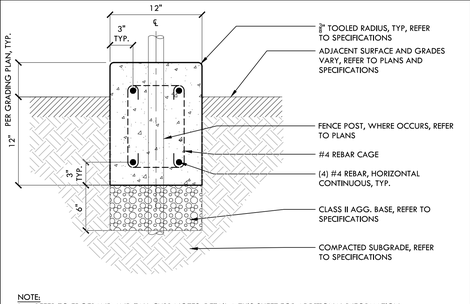
NOTES:
1. CONSTRUCT 1/2" EXPANSION JOINTS WITH FELT FILLER AT ALL RETURNS, FOR EVERY 60 L.F. OF GUTTER SECTION, AND DEEP SCORE JOINTS (1/4" X 1 1/4" MIN.) EVERY 10'.
2. CONTRACTOR SHALL NOTIFY INSPECTOR OF FINAL JOINT CONFIGURATION FOR ALL CONCRETE WORK PRIOR TO POUR.
3. HANDICAP RAMPS MAY BE REQUIRED DEPENDING ON APPLICATION. ANY PROPOSED RAMP CONFIGURATIONS SHALL BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO START OF WORK. ALL RAMPS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE "AMERICANS WITH DISABILITIES ACT" (A.D.A.) AND IN ACCORDANCE WITH DETAILS A-1, A-2. AND A-5.
4. APPLICATION SHOWN IS INTENDED TO BE USED AS AN ALTERNATE COMMERCIAL DRIVEWAY AND MAY NOT BE USED FOR AN INTERSECTING STREET OR RESIDENTIAL ACCESS.
5. A DEDICATED 10' P.S.E. (PUBLIC SERVICE EASEMENT) SHALL BE REQUIRED TO ACCOMODATE THE APPLICATION SHOWN.

City of Morgan Hill
Public Works Department
CITY ENGINEER — 9/15/02 DATE — 3/15/07 REVISED

CROSS-DRAIN COMMERCIAL DRIVEWAY APPROACH

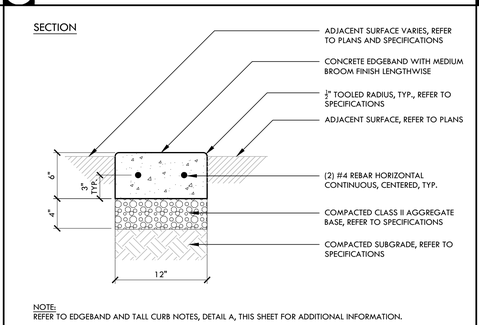
DRAWING NO. A-11

K DRIVEWAY APPROACH



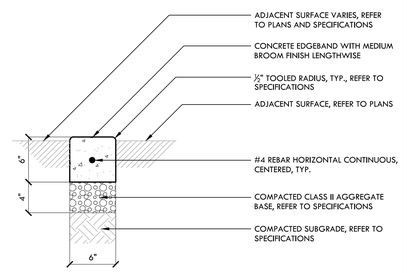
NOTE:
1. REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A THIS SHEET FOR ADDITIONAL INFORMATION.

J 12" CONCRETE CURB NTS



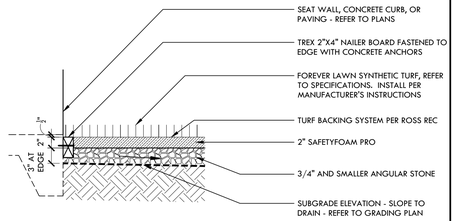
NOTE:
REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, THIS SHEET FOR ADDITIONAL INFORMATION.

I 12" WIDE CONCRETE EDGEBAND NTS



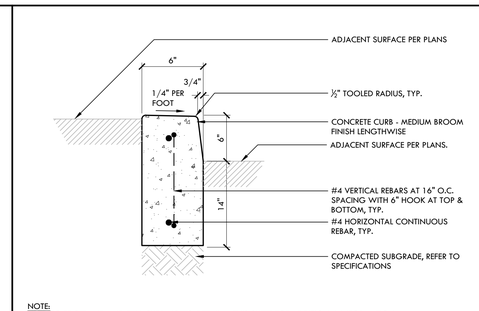
NOTE:
REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, THIS SHEET FOR ADDITIONAL INFORMATION

H 6" WIDE CONCRETE EDGEBAND NTS



NOTE:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH SPECIFICATIONS BY FACTORY AUTHORIZED INSTALLERS.
2. SYNTHETIC TURF AND SAFETYFOAM PRODUCT IS TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
3. SYNTHETIC TURF SHALL BE 1/2" BELOW ADJACENT CONCRETE PAVING.

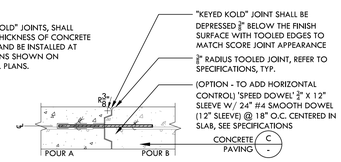
G SYNTHETIC PLAY TURF NTS



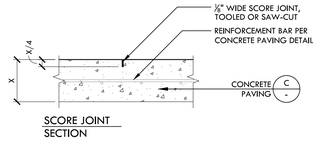
NOTE:
REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, THIS SHEET FOR ADDITIONAL INFORMATION

F 6" WIDE CONCRETE CURB NTS

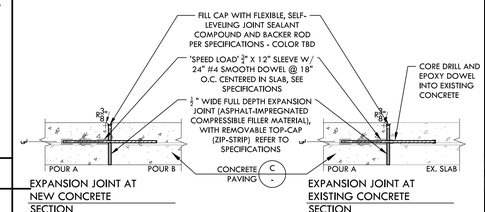
NOTE:
"KEYED KOLD" JOINTS, SHALL MATCH THICKNESS OF CONCRETE PAVING AND BE INSTALLED AT LOCATIONS SHOWN ON MATERIAL PLANS.



KEYED KOLD JOINT - VERTICAL AND LONGITUDINAL CONTROL SECTION

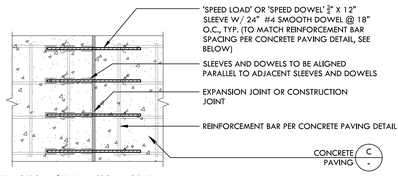


SCORE JOINT SECTION



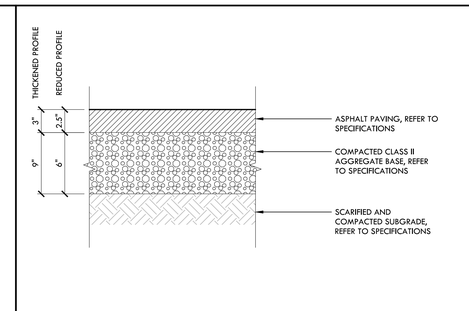
EXPANSION JOINT AT NEW CONCRETE SECTION

EXPANSION JOINT AT EXISTING CONCRETE SECTION

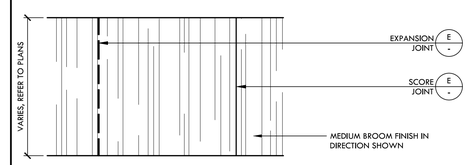


CONSTRUCTION / EXPANSION JOINT PLAN

E CONCRETE JOINTS NTS

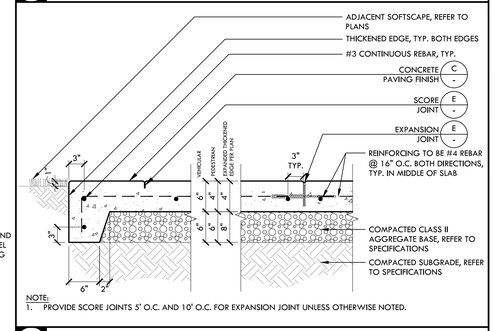


D ASPHALT PAVING NTS



NOTE:
PROVIDE SCORE JOINTS 5' O.C. AND 10' O.C. FOR EXPANSION JOINT UNLESS OTHERWISE NOTED.

C CONCRETE PAVING FINISH NTS



NOTE:
1. PROVIDE SCORE JOINTS 5' O.C. AND 10' O.C. FOR EXPANSION JOINT UNLESS OTHERWISE NOTED.

B CONCRETE PAVING NTS

NOTES PERTAIN TO ALL EDGEBAND AND CURB DETAILS:
1. FOR EDGEBANDS AND CURBS WITH FENCING, INSTALL EXPANSION JOINTS AT ALL CORNERS, BEGINNINGS, AND ENDINGS OF RADII, AND AT ALL FENCE POSTS. INSTALL SCORE JOINTS AT 5' O.C. AND OR EVENLY SPACED AND CENTERED BETWEEN POSTS.
2. FOR EDGEBAND AND CURBS WITHOUT FENCING, INSTALL SCORE JOINTS AT 10' O.C. SPACING AND FIBER EXPANSION JOINTS EVERY 20' ON STRAIGHT RUNS. ON CURVED RUNS, FIBER EXPANSION JOINTS SHALL BE SPACED 10' O.C., WITH ALTERNATING SCORE JOINTS AT 5' O.C. SPACING.
3. ALL EXPANSION JOINTS SHALL BE SEALED, PER SPECIFICATIONS.

NOTES PERTAIN TO ALL TALL CURB DETAILS:
1. PROVIDE EXPANSION JOINTS AT 16' O.C. SPACING, CENTERED BETWEEN FENCE POSTS.
2. PROVIDE EXPANSION JOINTS AT EACH LOCATION WHERE AN ELEVATION STEP OCCURS BETWEEN CHANGING CURB/EDGEBAND TYPES.
3. AT EXPANSION JOINTS, PROVIDE A 24" LONG #4 DOWEL AT EACH CURB HORIZONTAL REBAR, CENTERED ON THE JOINT, AS PER DETAIL.
4. EXPANSION JOINTS SHALL BE INSTALLED WITH A ¾" CHAMFER BUILT INTO THE FORM WORK, IN ADDITION TO THE FIBER EXPANSION JOINT MATERIAL.
5. PROVIDE A CONTROL JOINT AT EACH FENCE POST. THE VERTICAL JOINT SHALL BE A ¾" CHAMFER BUILT INTO THE FORM WORK. THE HORIZONTAL JOINT, ALONG THE TOP OF CURB, SHALL BE A TOOLED SCORE JOINT, ALIGNED WITH AND MATCHING THE VERTICAL CHAMFER JOINT.
6. ALL EXPANSION JOINTS SHALL BE SEALED PER SPECIFICATION.
7. NO SCORE JOINTS ARE REQUIRED ON TALL CURBS, EXCEPT AS INDICATED AT EACH FENCE POST IN ITEM #5 ABOVE.

FINISHES:
EDGEBANDS AND CURBS: MEDIUM BROOM
WALL AND TALL CURBS: MEDIUM SAND BLAST - TOP AND SIDES

A EDGEBAND AND TALL CURB NOTES NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

WORK ACCEPTED: INSPECTOR:
BY: DATE:
Revisions

DRAWN: VERDE | DESIGN: VERDE | HOR: AS SHOWN
CHECKED: DM | VERT: AS SHOWN
APPROVED: DATE: | JOB NUMBER: 2214701

SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — SCOTT MOSS — No. 6148 — EXPIRATION DATE: DEC. 2026 — STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.1

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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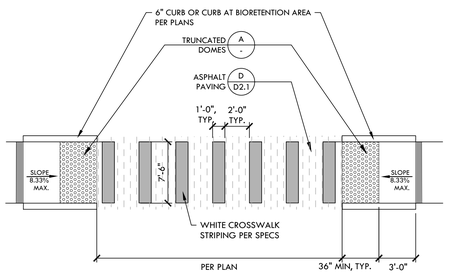
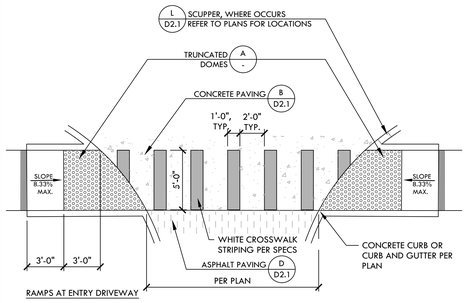
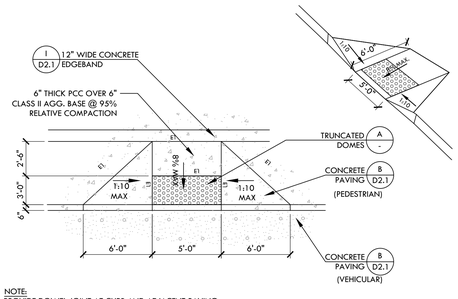


RAMP AT PARKING LOT



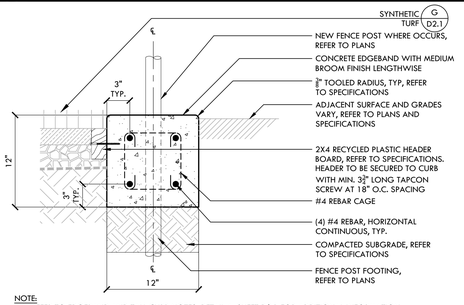
RAMPS AT ENTRY DRIVEWAY

Q CURB RAMP - TYPE 2 NTS



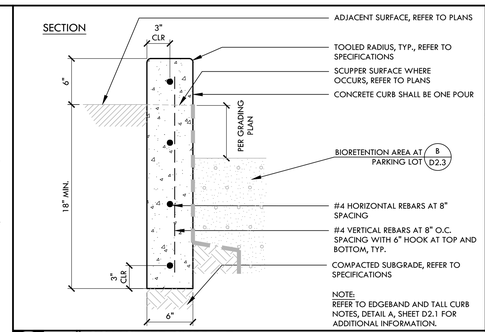
NOTE:
PROVIDE DOWEL JOINT AT CURB AND ADJACENT PAVING.
EJ = EXPANSION JOINT REFER TO DETAIL E, SHEET D2.1.

P CURB RAMP - TYPE 1 NTS

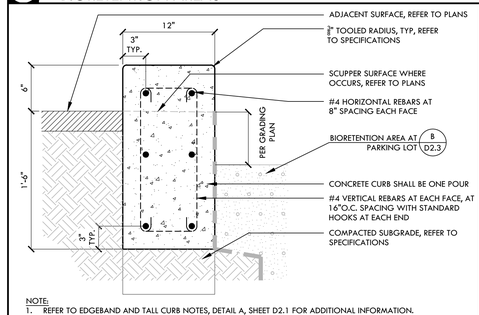


NOTE:
1. REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, SHEET D2.1 FOR ADDITIONAL INFORMATION
2. ON LANDSCAPE SIDE, ADJACENT SURFACE HEIGHT VARIES - 3" MAX ONLY REFER TO GRADING PLAN.

O 12" CONCRETE EDGEBAND AT SYNTHETIC TURF NTS

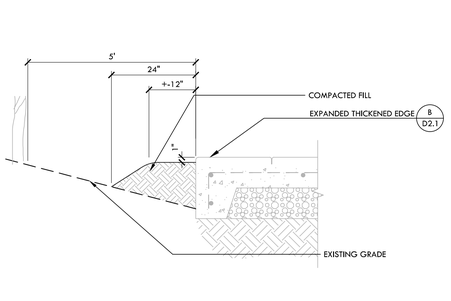


R 6" CONCRETE CURB AT BIORETENTION AREAS NTS

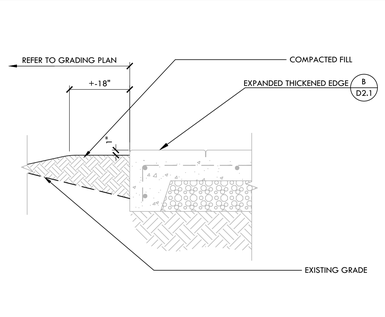


NOTE:
1. REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, SHEET D2.1 FOR ADDITIONAL INFORMATION.

N 12" CONCRETE CURB AT BIORETENTION AREA NTS

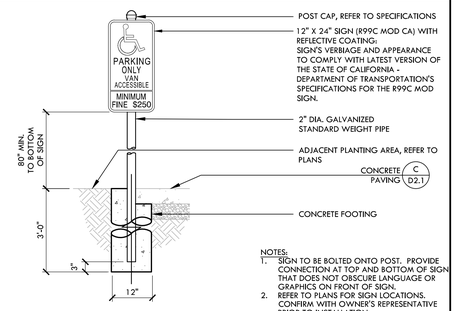


M GRADING AT EXISTING TREE DETAIL NTS



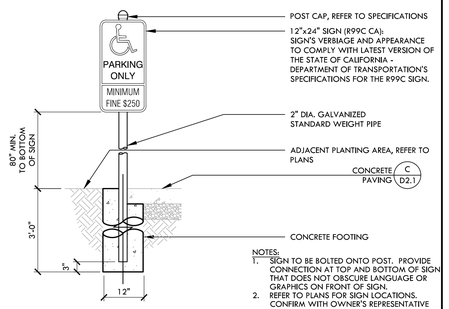
LB GRADING AT CONCRETE EDGE DETAIL NTS

K RAISED CROSSWALK ISLAND NTS



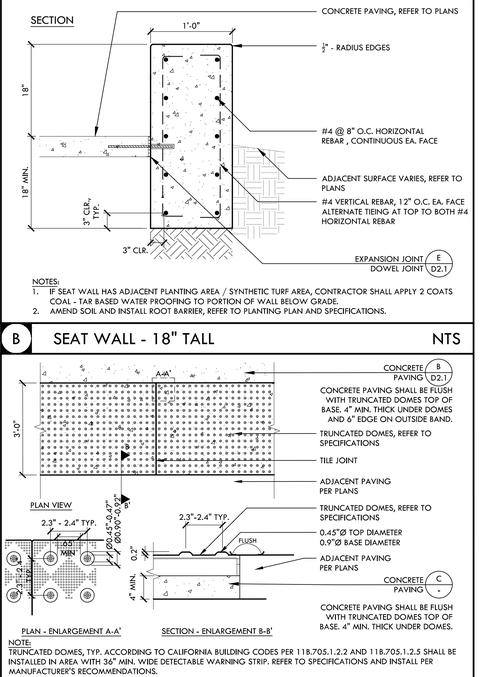
NOTES:
1. SIGN TO BE BOLTED ONTO POST. PROVIDE CONNECTION AT TOP AND BOTTOM OF SIGN THAT DOES NOT OBSCURE LANGUAGE OR GRAPHICS ON FRONT OF SIGN.
2. REFER TO PLANS FOR SIGN LOCATIONS. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

J ACCESSIBLE PARKING SIGN - VAN NTS



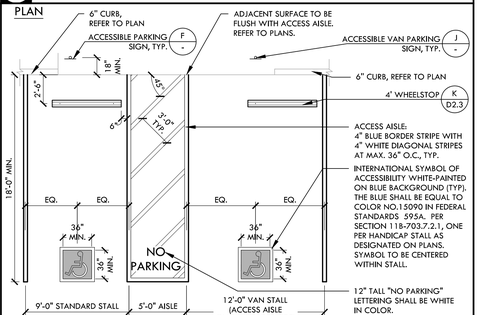
NOTES:
1. SIGN TO BE BOLTED ONTO POST. PROVIDE CONNECTION AT TOP AND BOTTOM OF SIGN THAT DOES NOT OBSCURE LANGUAGE OR GRAPHICS ON FRONT OF SIGN.
2. REFER TO PLANS FOR SIGN LOCATIONS. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

G STANDARD PARKING STALL NTS

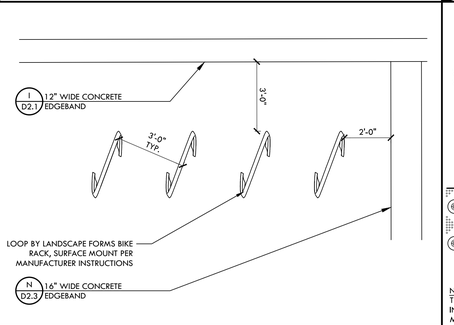


NOTES:
1. IF SEAT WALL HAS ADJACENT PLANTING AREA / SYNTHETIC TURF AREA, CONTRACTOR SHALL APPLY 2 COATS COAL - TAR BASED WATER PROOFING TO PORTION OF WALL BELOW GRADE.
2. AMEND SOIL AND INSTALL ROOT BARRIER, REFER TO PLANTING PLAN AND SPECIFICATIONS.

B SEAT WALL - 18" TALL NTS



I FENCE FOOTING PROFILE NTS



E BIKE RACK LAYOUT NTS

NOTE:
TRUNCATED DOMES, TYP. ACCORDING TO CALIFORNIA BUILDING CODES PER 118.705.1.2.2 AND 118.705.1.2.5 SHALL BE INSTALLED IN AREA WITH 36" MIN. WIDE DETECTABLE WARNING STRIP. REFER TO SPECIFICATIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

A TRUNCATED DOMES (RECESSED) NTS

FENCE POST & FOOTING SCHEDULE

DESCRIPTION	HEIGHT	LINE POST (STD. GALV. PIPE)	CORNER/END POST (STD. GALV. PIPE)	FOOTING DIMENSIONS
42" TALL ORNAMENTAL FENCE	3'-6"	HSS 1.900x0.188	HSS 1.900x0.188	12" DIA. X 3' DEEP
CHAIN LINK FENCE	6'	2 1/2" DIA. STD.	3" DIA. STD.	12" DIA. X 3'-0" DEEP

GATE POST FOOTING SCHEDULE

DESCRIPTION	SIZE (H x L)	GATE POST (STD. GALV. PIPE)	FOOTING DIMENSIONS
DOUBLE SWING VEHICULAR GATE	3'-6" X 13'6" (EA.)	3 1/2" DIA. STD.	18" DIA. X 4'-6" DEEP
CHAIN LINK DOUBLE SWING GATE	6'-0" X 12'-0"	3" DIA. STD.	16" DIA. X 3-6" DEEP

NOTES:
1. REFER TO PLANS & DETAILS FOR POST LOCATIONS AND TOP OF POST FOOTING.
2. REFER TO FENCE FOOTING PROFILE DETAIL I, THIS SHEET
3. THE PIPE SIZES INDICATED ARE FOR NPS, REFER TO SPECIFICATIONS.

NOTES PERTAIN TO ALL GATE AND FENCE DETAILS:

1. PLACE FENCE FABRIC ON ROAD SIDE. .
2. BOTTOM RAIL TO BE 2" FROM FINISH GRADE, FENCE FABRIC BOTTOM EDGE TO BE 1" FROM FINISH GRADE.
3. SUBMIT SHOP DRAWINGS FOR ACCEPTANCE BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
4. GATES IN PATH OF TRAVEL MUST MEET ENTRY AND EXIT DOOR REQUIREMENTS.
5. REFER TO PLANS FOR EDGEBAND TYPE UNLESS OTHERWISE NOTED.
6. FOR GATES WITH DROP BAR, PROVIDE 8" DEEP FOOTING WITH SCH. 40 STEEL PIPE SLEEVE. CANE STOP TO GO DOWN 4" INTO CONCRETE IN CLOSED POSITION AND OPEN POSITION.
7. TACK WELD HINGES TO POSTS AT GATES AND TACK WELD CAPS.
8. DOUBLE SWING GATES THAT ARE INLINE WITH FENCING, GATE POSTS SHALL BE OFFSET FROM THE FENCE TO ALLOW SWING GATES TO OPEN A FULL 180° BACK AGAINST THE FENCE PER PLAN LAYOUT.
9. THE PIPE SIZES INDICATED ARE NPS FOR: STANDARD GALV. PIPE SCHEDULE 40.
10. FENCE FABRIC SHALL BE IN A UNIFORM, SINGULAR PLANE AT FACE OF FENCE POST ON FIELD SIDE REGARDLESS OF POST DIAMETER. CONTRACTOR TO USE APPROPRIATE FITTINGS TO ENSURE PROPER FINISH.

D GATE AND FENCE NOTES NTS

C ADA PARKING STALL NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT WEBB No. 4169 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.2

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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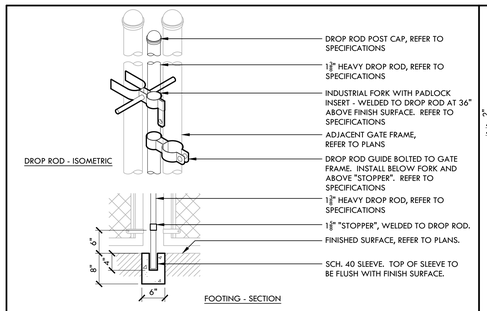
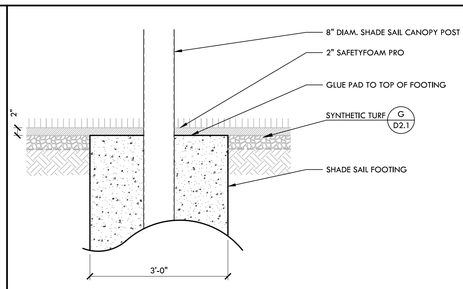
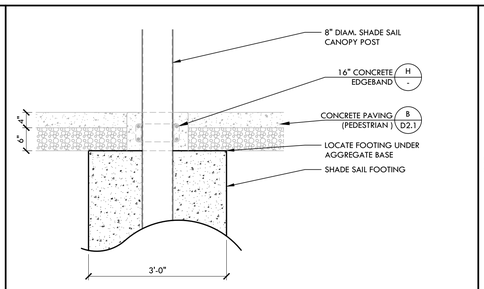


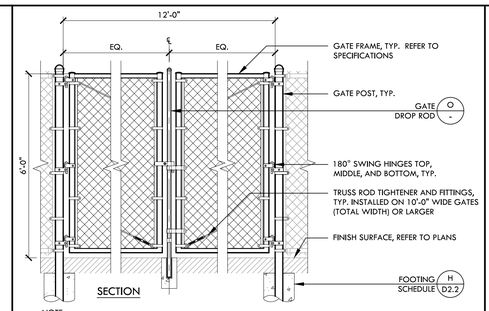
O GATE - DROP ROD NTS



L SHADE SAIL FOOTING AT SYNTHETIC TURF NTS

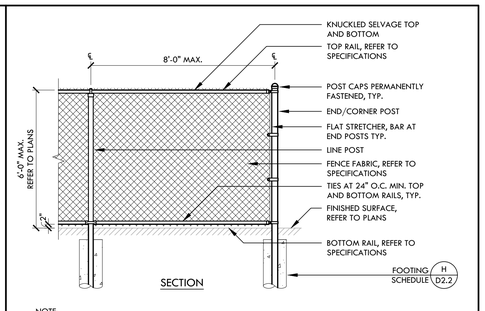


I SHADE SAIL FOOTING AT EDGEBAND NTS



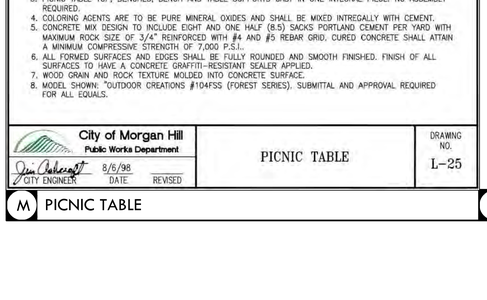
NOTE:
1. REFER TO GENERAL FENCE & GATE NOTES, DETAIL D, SHEET D2.2.

F 6' TALL - DOUBLE SWING GATE NTS



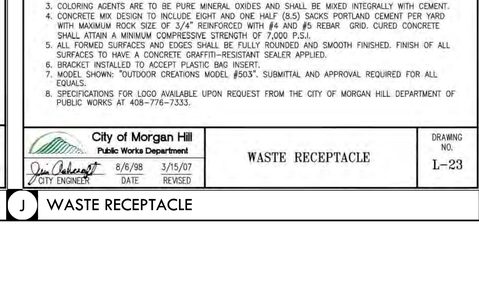
NOTE:
1. SEE GENERAL FENCE & GATE NOTES DETAIL D, SHEET D2.2.

C 6' TALL CHAIN LINK FENCE NTS



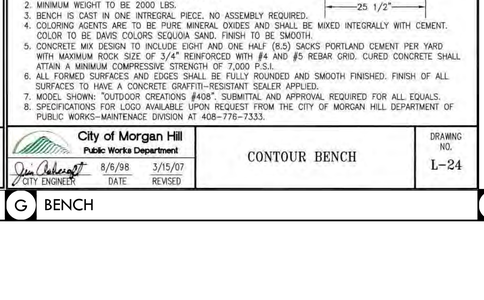
NOTE:
1. REFER TO EDGEBAND AND TALL CURB NOTES, DETAIL A, SHEET D2.1 FOR ADDITIONAL INFORMATION.

N 16" CONCRETE EDGEBAND NTS



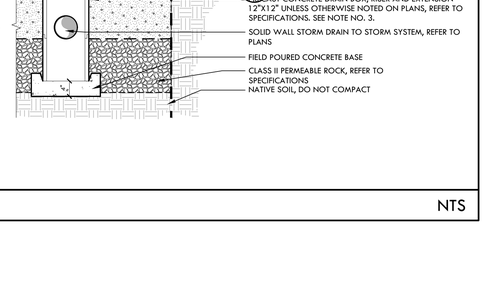
NOTE:
SHOP DRAWINGS REQUIRED FOR REVIEW AND APPROVAL BY OWNER REPRESENTATIVE PRIOR TO FABRICATION.

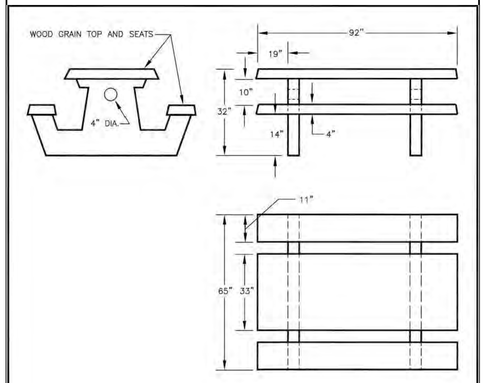
K PRECAST CONCRETE WHEEL STOP NTS



NOTES:
1. ALL MATERIALS TO BE STEEL UNLESS OTHERWISE NOTED WITH GALVANIZED FINISH.
2. ALL METAL WORK TO RECIEVE ONE COAT OF RUSTOLEUM PRIMER AND TWO COATS OF EXTERIOR PAINT. COLOR YELLOW.
3. SUBMIT SHOP DRAWINGS FOR ALL HEIGHTS FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

H 42"x27' DOUBLE SWING VEHICULAR GATE NTS

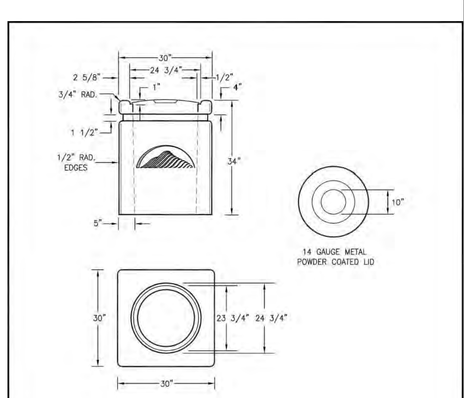




NOTES:
1. MINIMUM THICKNESS OF ALL AREAS TO BE 4".
2. MINIMUM WEIGHT TO BE 2450 LBS.
3. PICNIC TABLE TOP, BENCHES, BENCH AND TABLE SUPPORTS CAST IN ONE INTEGRAL PIECE. NO ASSEMBLY REQUIRED.
4. COLORING AGENTS ARE TO BE PURE MINERAL OXIDES AND SHALL BE MIXED INTREGALLY WITH CEMENT.
5. CONCRETE MIX DESIGN TO INCLUDE EIGHT AND ONE HALF (8.5) SACKS PORTLAND CEMENT PER YARD WITH MAXIMUM ROCK SIZE OF 3/4" REINFORCED WITH #4 AND #5 REBAR GRID. CURED CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 7,000 P.S.I..
6. ALL FORMED SURFACES AND EDGES SHALL BE FULLY ROUNDED AND SMOOTH FINISHED. FINISH OF ALL SURFACES TO HAVE A CONCRETE GRAFFITI-RESISTANT SEALER APPLIED.
7. WOOD GRAIN AND ROCK TEXTURE MOLDED INTO CONCRETE SURFACE.
8. MODEL SHOWN: "OUTDOOR CREATIONS #104FSS (FOREST SERIES). SUBMITTAL AND APPROVAL REQUIRED FOR ALL EQUALS.

City of Morgan Hill Public Works Department			DRAWING NO.
CITY ENGINEER	DATE	REVISED	L-25
	8/6/98		
PICNIC TABLE			

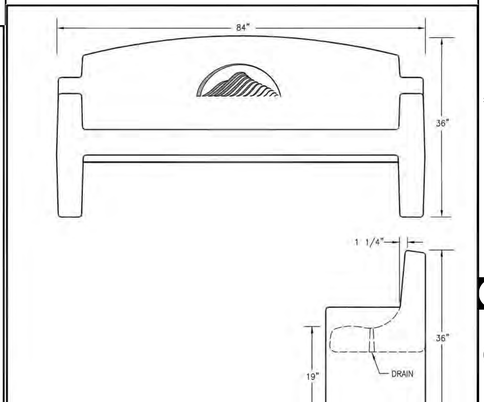
M PICNIC TABLE



NOTES:
1. MINIMUM THICKNESS OF ALL AREAS TO BE 5".
2. MINIMUM WEIGHT TO BE 1450 LBS.
3. COLORING AGENTS ARE TO BE PURE MINERAL OXIDES AND SHALL BE MIXED INTEGRALLY WITH CEMENT.
4. CONCRETE MIX DESIGN TO INCLUDE EIGHT AND ONE HALF (8.5) SACKS PORTLAND CEMENT PER YARD WITH MAXIMUM ROCK SIZE OF 3/4" REINFORCED WITH #4 AND #5 REBAR GRID. CURED CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 7,000 P.S.I.
5. ALL FORMED SURFACES AND EDGES SHALL BE FULLY ROUNDED AND SMOOTH FINISHED. FINISH OF ALL SURFACES TO HAVE A CONCRETE GRAFFITI-RESISTANT SEALER APPLIED.
6. BRACKET INSTALLED TO ACCEPT PLASTIC BAG INSERT.
7. MODEL SHOWN: "OUTDOOR CREATIONS MODEL #503". SUBMITTAL AND APPROVAL REQUIRED FOR ALL EQUALS.
8. SPECIFICATIONS FOR LOGO AVAILABLE UPON REQUEST FROM THE CITY OF MORGAN HILL DEPARTMENT OF PUBLIC WORKS AT 408-776-7333.

City of Morgan Hill Public Works Department			DRAWING NO.
CITY ENGINEER	DATE	REVISED	L-23
	8/6/98		
WASTE RECEPTACLE			

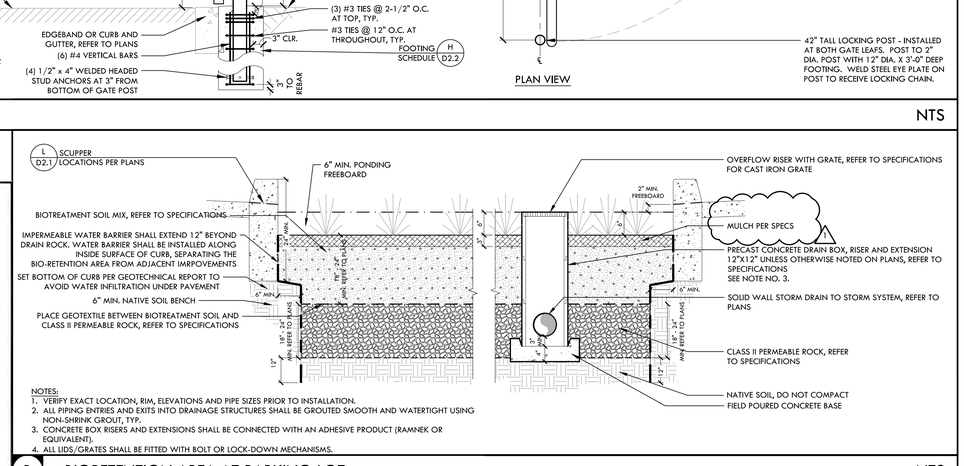
J WASTE RECEPTACLE



NOTES:
1. MINIMUM THICKNESS OF ALL AREAS TO BE 4".
2. MINIMUM WEIGHT TO BE 2000 LBS.
3. BENCH IS CAST IN ONE INTREGRAL PIECE. NO ASSEMBLY REQUIRED.
4. COLORING AGENTS ARE TO BE PURE MINERAL OXIDES AND SHALL BE MIXED INTEGRALLY WITH CEMENT. COLOR TO BE DAVIS COLORS SEQUOIA SAND. FINISH TO BE SMOOTH.
5. CONCRETE MIX DESIGN TO INCLUDE EIGHT AND ONE HALF (8.5) SACKS PORTLAND CEMENT PER YARD WITH MAXIMUM ROCK SIZE OF 3/4" REINFORCED WITH #4 AND #5 REBAR GRID. CURED CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 7,000 P.S.I.
6. ALL FORMED SURFACES AND EDGES SHALL BE FULLY ROUNDED AND SMOOTH FINISHED. FINISH OF ALL SURFACES TO HAVE A CONCRETE GRAFFITI-RESISTANT SEALER APPLIED.
7. MODEL SHOWN: "OUTDOOR CREATIONS #408". SUBMITTAL AND APPROVAL REQUIRED FOR ALL EQUALS.
8. SPECIFICATIONS FOR LOGO AVAILABLE UPON REQUEST FROM THE CITY OF MORGAN HILL DEPARTMENT OF PUBLIC WORKS-MAINTENACE DIVISION AT 408-776-7333.

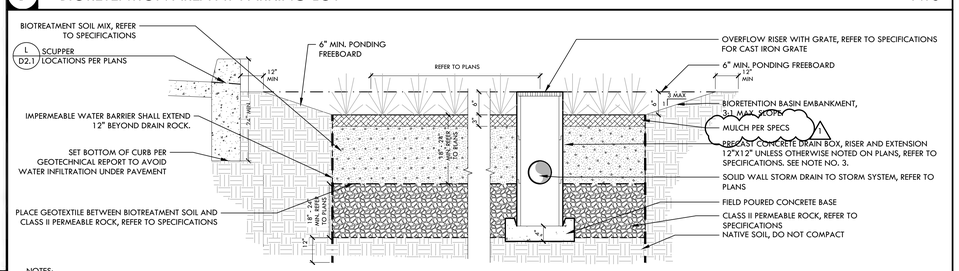
City of Morgan Hill Public Works Department			DRAWING NO.
CITY ENGINEER	DATE	REVISED	L-24
	8/6/98	3/15/07	
CONTOUR BENCH			

G BENCH



NOTES:
1. VERIFY EXACT LOCATION, RIM, ELEVATIONS AND PIPE SIZES PRIOR TO INSTALLATION.
2. ALL PIPING ENTRIES AND EXITS INTO DRAINAGE STRUCTURES SHALL BE GROUTED SMOOTH AND WATERTIGHT USING NON-SHRINK GROUT, TYP.
3. CONCRETE BOX RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT (RAMNEK OR EQUIVALENT).
4. ALL LIDS/GRATES SHALL BE FITTED WITH BOLT OR LOCK-DOWN MECHANISMS.

B BIORETENTION AREA AT PARKING LOT NTS



NOTES:
1. VERIFY EXACT LOCATION, RIM, ELEVATIONS AND PIPE SIZES PRIOR TO INSTALLATION.
2. ALL PIPING ENTRIES AND EXITS INTO DRAINAGE STRUCTURES SHALL BE GROUTED SMOOTH AND WATERTIGHT USING NON-SHRINK GROUT, TYP.
3. CONCRETE BOX RISERS AND EXTENSIONS SHALL BE CONNECTED WITH AN ADHESIVE PRODUCT (RAMNEK OR EQUIVALENT).
4. ALL LIDS/GRATES SHALL BE FITTED WITH BOLT OR LOCK-DOWN MECHANISMS.

A BIORETENTION AREA AT DRIVEWAY NTS

CITY COMMENT REVISIONS 5/17/24

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

CONSTRUCTION DETAILS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT C. CREER No. 4168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.3

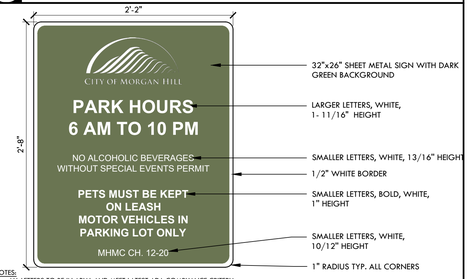
DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 2.1-CON.dwg

RAW MATERIALS:		
MATERIAL:	UoM:	QTY:
10" SCHED. 40 ROUND TUBE	LINEAR FT	62
12" SCHED. 40 ROUND TUBE	LINEAR FT	22.5
1/4" STEEL PLATE	SQ FT	9.5
3/8" STEEL PLATE	SQ FT	0.80

MATERIALS SUBJECT TO CHANGE, IN ACCORDANCE WITH ENGINEERING & CALCS.

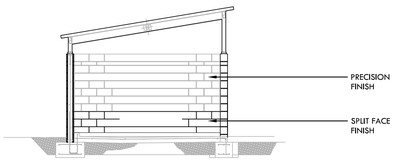
SEE SHEET D2.5 FOR OVERALL DIMS
SEE SHEET D2.6 FOR FABRIC AND FOUNDATION DETAILS

E SHADE SAILS AT PLAYGROUND



NOTES:
1. ALL LETTERS TO BE IN ARIAL AND MEET LATEST ADA COMPLIANCE CRITERIA.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR SIGNAGE DETAILED ON PLANS. METAL WILL BE ALUMINUM. NO OTHER SPECIFICATIONS ARE PROVIDED BEYOND DETAILS.
3. ALL LETTERING MUST BE A PERMANENT PART OF THE SIGN. DARK GREEN BACKGROUND AND WHITE LETTERS.
4. SIGN TO BE FASTENED ONTO BMX FENCE.

B PARK RULES SIGN NTS



NOTE:
1. PROVIDE CMU BLOCKS FROM BASALITE (WWW.BASALITE-CMU.COM). ROWS 1-4 TO BE SPLIT FACE, ROWS 5 AND ABOVE TO BE PRECISION FINISH. PAINT COLORS TO MATCH THE RESTROOM BUILDING, PRIME AND PROVIDE 2 COATS OF SEMI-GLOSS PAINT PER RESTROOM BUILDING.
2. ENCLOSURE ROOF TO MATCH COLOR OF RESTROOM'S ROOF AND BE PAINTED WITH RUST INHIBITIVE PAINT.
3. CONTRACTOR TO COORDINATE MATERIALS WITH RESTROOM MANUFACTURER.

A TRASH ENCLOSURE MATERIALS FINISH NTS

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 2.1-CON.dwg

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Revisions

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BY: DATE:

DRAWN: VERDE DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

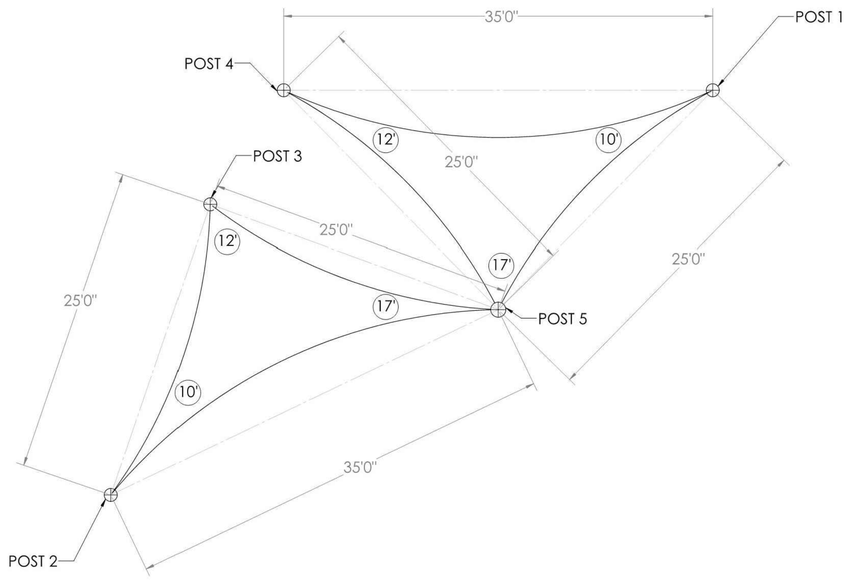
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

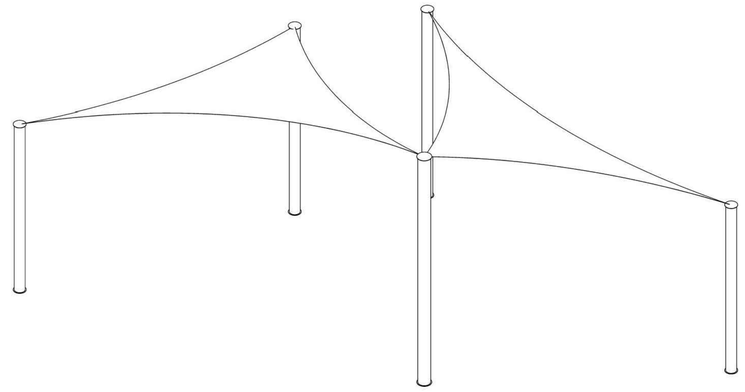
CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

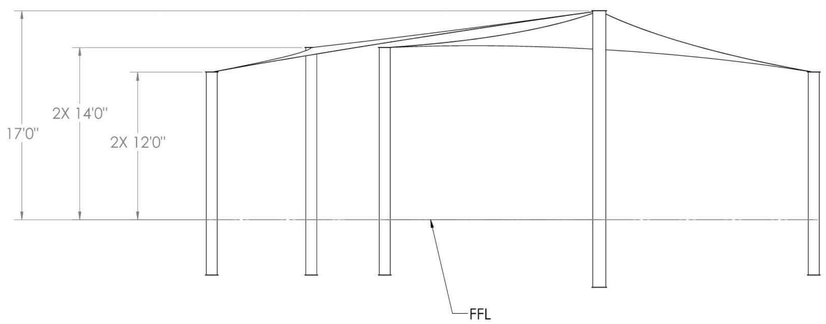
REGISTERED LANDSCAPE ARCHITECT
No. 4148
RENEWAL DATE 08-31-2025
STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.4







A SHADE SAIL PLAN, ELEVATION, AND PERSPECTIVE NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT SCOTT CREER No. 6168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.5

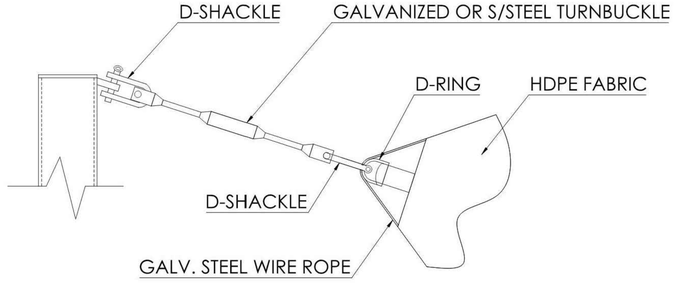
CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

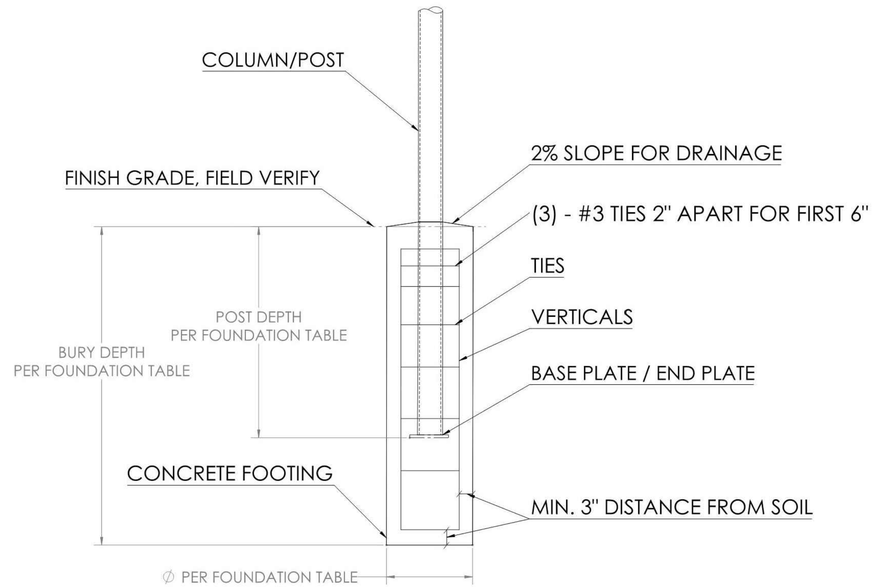
DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 2.1-CON.dwg

FOUNDATION TABLE (NOT FINAL)				
POST #	MATERIAL:	POST DEPTH:	BURY DEPTH:	FTG ∅
1, 2, 3, 4	10" SCHED. 40 ROUND TUBE	4' 6"	5' 6"	∅22"
5	12" SCHED. 40 ROUND TUBE	5' 6"	6' 6"	∅24"

FOUNDATION DETAILS & SPECS SUBJECT TO CHANGE,
IN ACCORDANCE WITH ENGINEERING AND CALCS.



FABRIC CONNECTION DETAIL
TYP.
N.T.S



GENERIC FOUNDATION DETAIL
FOUNDATION SECTION
N.T.S

A SHADE SAIL FOOTING, FOUNDATION TABLE, AND FABRIC CONNECTION DETAIL NTS

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 2.1-CON.dwg

NO.	DESCRIPTION	DATE	BY
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4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT No. 4168 STATE OF CALIFORNIA EXPIRATION DATE DEC. 2025

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.6

I

E

D

C

B

H

MATERIAL SIZING TO BE DETERMINED.
ALL SPECS SUBJECT TO CHANGE IN ACCORDANCE W/ ENGINEERING AND CALCS

G

F

A SHADE SAILS AT PICNIC AREA NTS

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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NO.	DESCRIPTION	DATE	BY
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Revisions

WORK ACCEPTED: INSPECTOR:
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DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

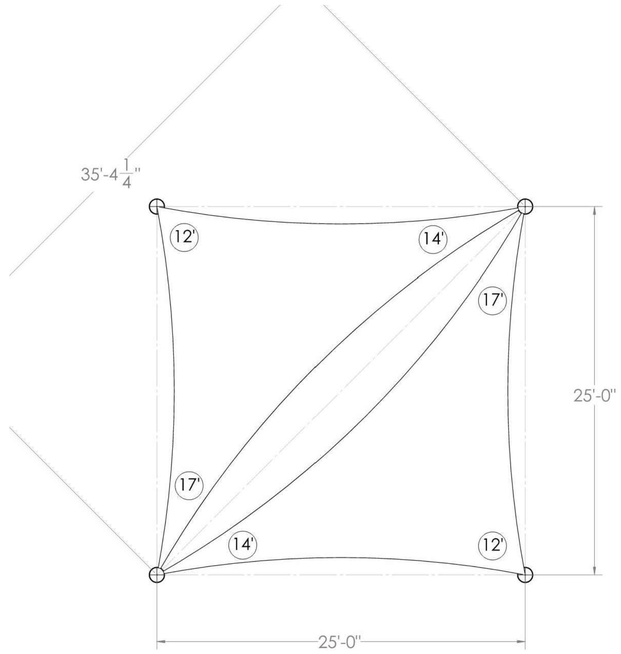
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

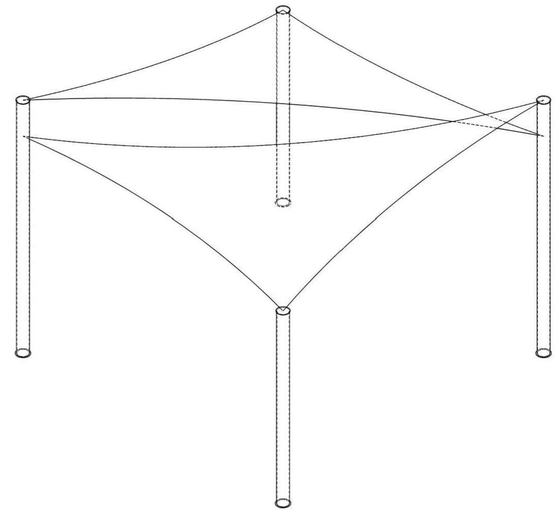
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

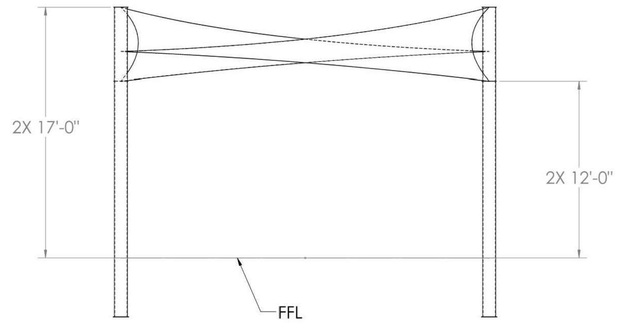
REGISTERED LANDSCAPE ARCHITECT SCOTT C. CREER No. 6168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.7







A SHADE SAIL PLAN, ELEVATION, AND PERSPECTIVE NTS

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 2.1-CON.dwg

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
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Revisions

WORK ACCEPTED: INSPECTOR:
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CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
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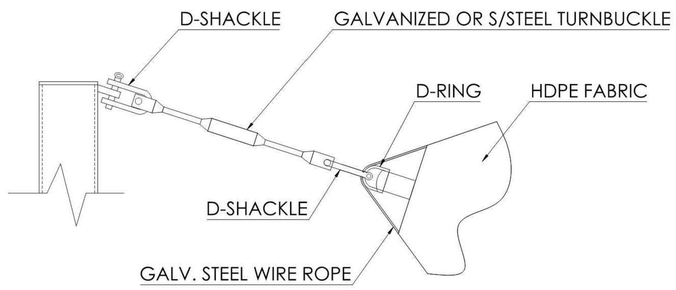
REGISTERED LANDSCAPE ARCHITECT SCOTT CREER No. 6168 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

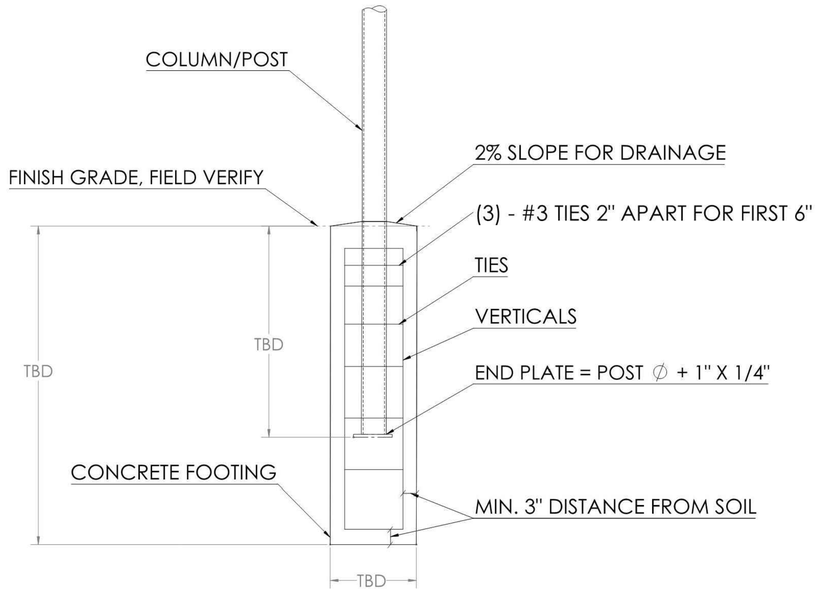
CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.8



FABRIC CONNECTION DETAIL
TYP.
N.T.S

FOUNDATION DETAILS & SPECS SUBJECT TO CHANGE,
IN ACCORDANCE WITH ENGINEERING AND CALCS.



GENERIC FOUNDATION DETAIL
FOUNDATION SECTION
N.T.S

A SHADE SAIL FOOTING AND FABRIC CONNECTION DETAIL NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. GREER
RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT
SCOTT GREER
No. 6148
Expiration date:
DEC. 2025
STATE OF CALIFORNIA

CONSTRUCTION DETAILS
BUTTERFIELD PARK PHASE 1
DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D2.9

CITY COMMENT REVISIONS 5/17/24

CONSTRUCTION DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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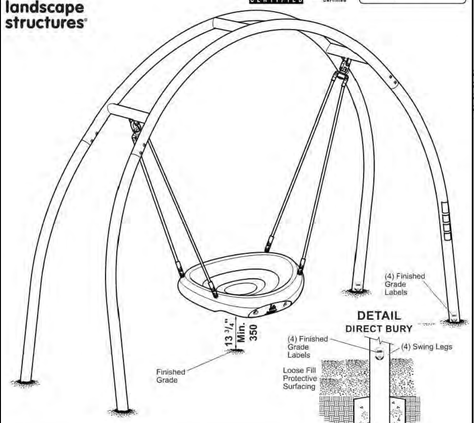
ISO 14001 CERTIFIED · ISO 9001 Certified

SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



⚠ WARNING
Failure to meet the minimum **13 3/4"** clearance between the lowest point of the seat and the protective surfacing may result in serious injury. Children have sustained broken legs and ankles due to the seat being installed too low.

Swings **173592 Oodle® Swing** Sheet 1 of 3

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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NOTE:
1. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER ON FOOTING INSTALLATION AND CALCULATIONS AS NECESSARY
2. FOOTING INFORMATION PROVIDED FOR BIDDING PURPOSES ONLY. STRUCTURE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

H OODLE SWING - LANDSCAPE STRUCTURES

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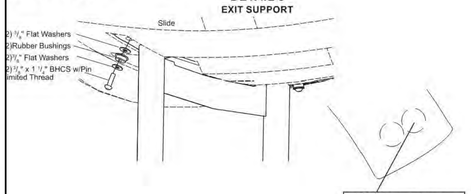
ISO 14001 CERTIFIED · ISO 9001 Certified

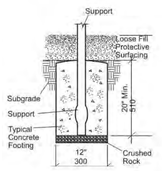
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL 5
EXIT SUPPORT



NOTE: When looking top down at the slide it is important the longer support goes in this location.

DETAIL
DIRECT BURY



Billows™ Structure Sheet 49 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

NOTE:
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2. FOOTING INFORMATION PROVIDED FOR BIDDING PURPOSES ONLY. STRUCTURE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

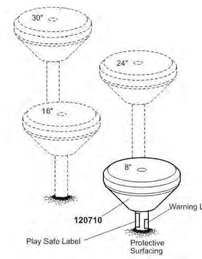
F BILLOWS DETAIL 6 - LANDSCAPE STRUCTURES

landscape structures®

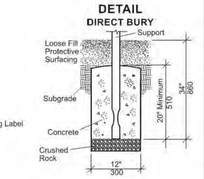
ISO 14001 CERTIFIED · ISO 9001 Certified

SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

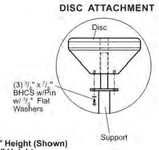
POD CLIMBERS



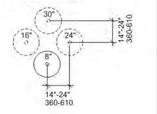
DETAIL
DIRECT BURY



DETAIL
DISC ATTACHMENT



PLAN VIEW/FOOTING LAYOUT
(Layout Varies - See Your Plan)



120710 8" Height (Shown)
158997 10" Height
120711 16" Height
158998 20" Height
120712 24" Height
120713 30" Height

Billows™ Structure Sheet 57 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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D BILLOWS DETAIL 4 - LANDSCAPE STRUCTURES

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SAFETY NOTE
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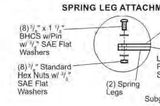
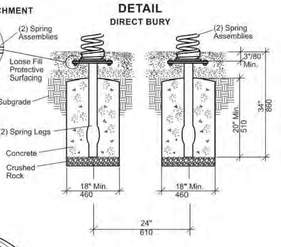
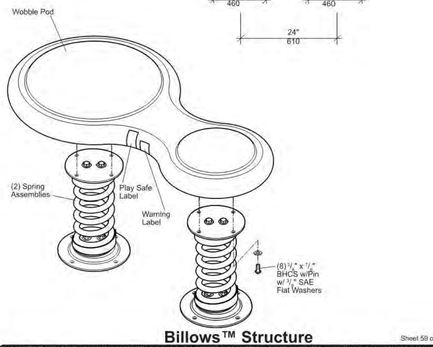
WOBBLE POD

DETAIL
SPRING LEG ATTACHMENT



DETAIL
DIRECT BURY





Billows™ Structure Sheet 59 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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B BILLOWS DETAIL 2 - LANDSCAPE STRUCTURES

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SAFETY NOTE
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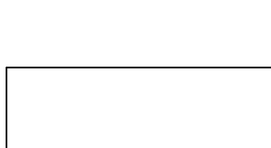
210877a

DETAIL
BUMPER FOOTER ATTACHMENT



DETAIL
WE-SAW ASSEMBLY ATTACHMENT

NOTE: Concrete footing should not be larger than outside dimensions of anchor cage. Concrete should be flush with top of anchor cage.

DETAIL
CONCRETE FOOTINGS
(WITH FOOTER GUIDE PLATES)

DETAIL
RUNG CAP ATTACHMENT

Kids In Motion **186490 We-saw™**

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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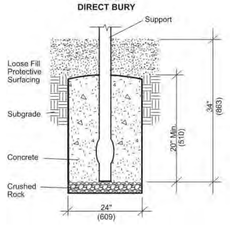
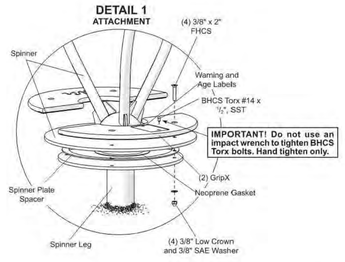
I WE-SAW - LANDSCAPE STRUCTURES

landscape structures®

DETAIL
DIRECT BURY



DETAIL 1
ATTACHMENT



IMPORTANT! Do not use an impact wrench to tighten BHCS Torx bolts. Hand tighten only.

Motion and More Fun **247179 Curva™ Spinner, DB Only** Page 2

601 7th Street South, Delano, Minnesota 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
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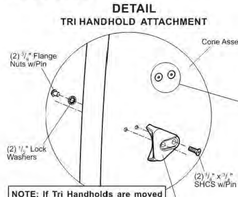
G CURVA SPINNER - LANDSCAPE STRUCTURES

landscape structures®

ISO 14001 CERTIFIED · ISO 9001 Certified

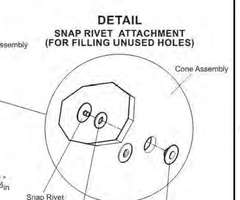
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
TRI HANDHOLD ATTACHMENT

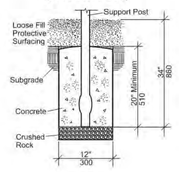


NOTE: If Tri Handholds are moved after initial installation, new 3/4" x 3/4" SHCS w/Pin will need to be purchased, or loctite will need to be applied to 3/4" x 3/4" SHCS w/Pin threads, to prevent bolts from coming loose. Loctite can be purchased from your local hardware store.

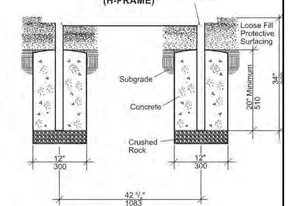
DETAIL
SNAP RIVET ATTACHMENT
(FOR FILLING UNUSED HOLES)



DETAIL
DIRECT BURY
(SUPPORT POST)



DETAIL
DIRECT BURY
(H-FRAME)



Billows™ Structure Sheet 43 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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E BILLOWS DETAIL 5 - LANDSCAPE STRUCTURES

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SAFETY NOTE
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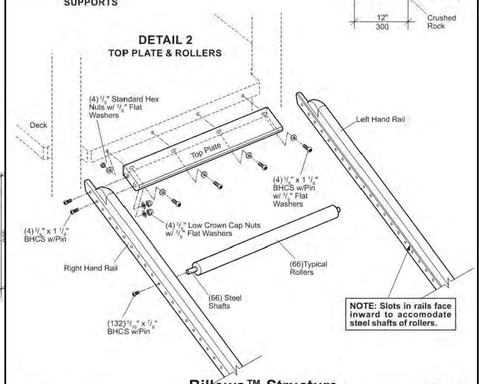
221341a

DETAIL 1
SUPPORTS

DETAIL
DIRECT BURY

DETAIL 2
TOP PLATE & ROLLERS



NOTE: Slots in rails face inward to accomodate steel shafts of rollers.

Billows™ Structure Sheet 37 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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C BILLOWS DETAIL 3 - LANDSCAPE STRUCTURES

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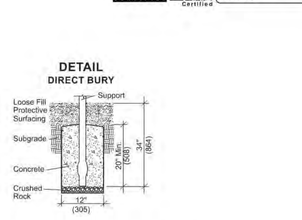
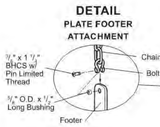
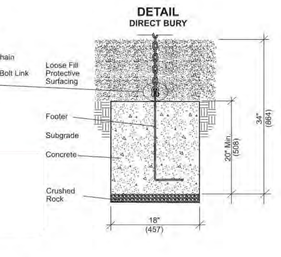
DETAIL
DIRECT BURY



DETAIL
PLATE FOOTER ATTACHMENT



DETAIL
DIRECT BURY



Billows™ Structure Sheet 32 of 68

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4679 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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A BILLOWS DETAIL 1 - LANDSCAPE STRUCTURES

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CRIER RCE 58879 EXP. DATE 6-30-2025

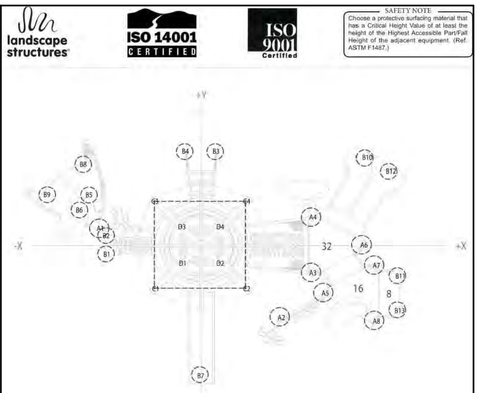
CITY OF MORGAN HILL
City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

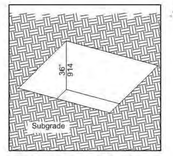
REGISTERED LANDSCAPE ARCHITECT DEREK MOREL No. 6145 Expiration Date: DEC. 31, 2025 STATE OF CALIFORNIA

PLAY EQUIPMENT DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

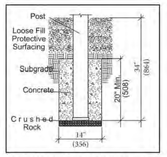
FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D3.1

DWG File: Y:\Projects-SC\2022\2214701 - Mtn Butterfield Park Phase 1 Development\CAD_DTL_3.1-CON.dwg





CENTER TRENCH DE-



EQUIPMENT FOOTER DE-

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8685 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-5185

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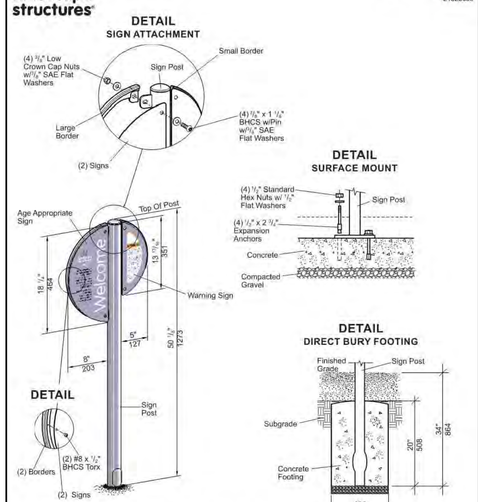
B BREEZE DETAIL 2 - LANDSCAPE STRUCTURES

21325600



Model 182503 - Landscape Structures Provided Welcome Sign
Model 182504 - Welcome Sign

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8685 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-5185

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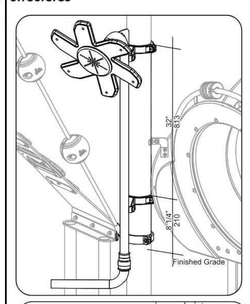
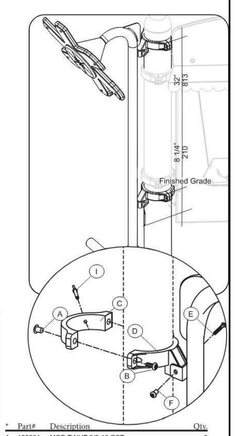
C WELCOME SIGN - LANDSCAPE STRUCTURES





*	Part#	Description	Qty.
A	100351	MOD T-NUT 3/8-16 SST	8
B	100198	BHCS 6LP 3/8x1-1/8I SST	8
C	105327	CLAMP HALF 5 AL	4
D	113729	CLAMP OFFSET 5 RAIL HGR	4
E	100148	CRG BOLT 3/8x1-3/4I SST	4
F	100353	FLG NUT 6LP 3/8-16 SST	4
G	173612	TUBE PLAST 1.500ID	50 Feet
H	173611	RUBBER RDCR CPLG W/2CLMPS	2
I	100610	RIVET 1/4X5/8I DRV AS	4
*	285668	HDW PKG TALK TUBE	2

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8685 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-5185

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A BREEZE DETAIL 1 - LANDSCAPE STRUCTURES

CITY COMMENT REVISIONS 5/17/24

PLAY EQUIPMENT DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 3.1-CON.dwg

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE
CHECKED: DM
APPROVED: DATE:
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

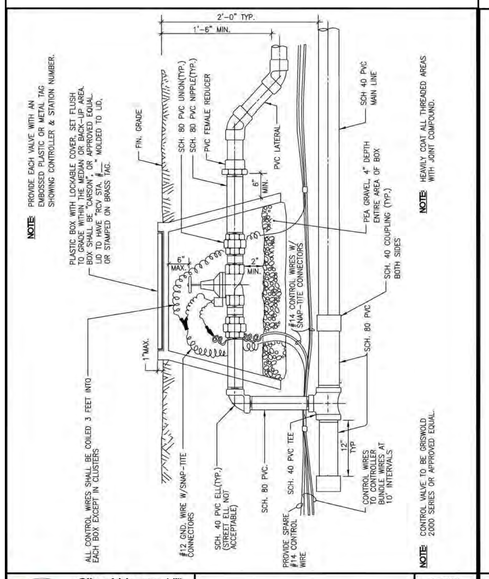
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT No. 4148 EXPIRATION DATE: DEC. 2025 STATE OF CALIFORNIA

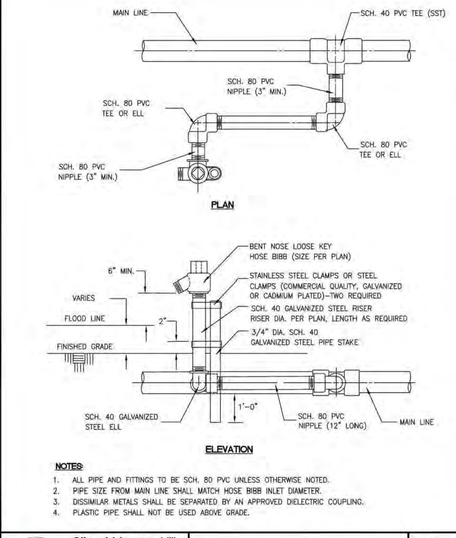
PLAY EQUIPMENT DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D3.2



City of Morgan Hill Public Works Department	REMOTE CONTROL VALVE WITHOUT Q.C. VALVE	DRAWING NO. L-9
Jim Ashcraft 8/6/98 CITY ENGINEER DATE REVISED		

H REMOTE CONTROL VALVE WITHOUT Q.C. VALVE

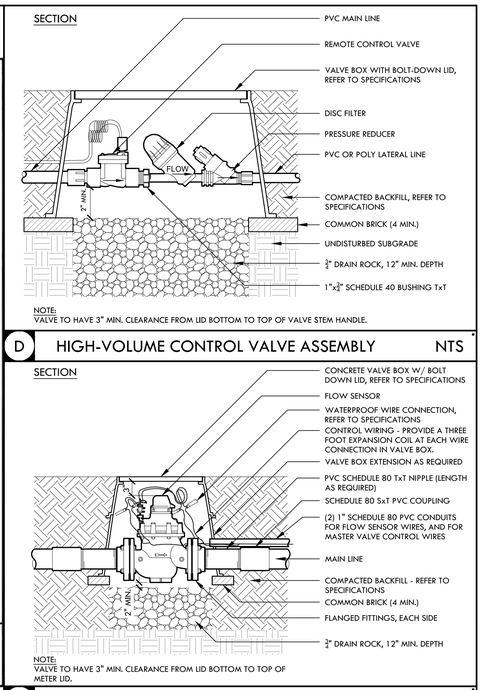


NOTES:

1. ALL PIPE AND FITTINGS TO BE SCH. 80 PVC UNLESS OTHERWISE NOTED.
2. PIPE SIZE FROM MAIN LINE SHALL MATCH HOSE BIBB INLET DIAMETER.
3. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
4. PLASTIC PIPE SHALL NOT BE USED ABOVE GRADE.

City of Morgan Hill Public Works Department	HOSE BIBB VALVE BELOW GROUND INSTALLATION	DRAWING NO. L-5
Jim Ashcraft 8/6/98 CITY ENGINEER DATE REVISED		

F HOSE BIBB VALVE BELOW GROUND INSTALLATION

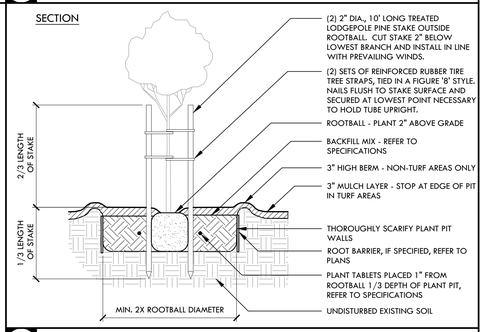


NOTE:
VALVE TO HAVE 3" MIN. CLEARANCE FROM LID BOTTOM TO TOP OF VALVE STEM HANDLE.

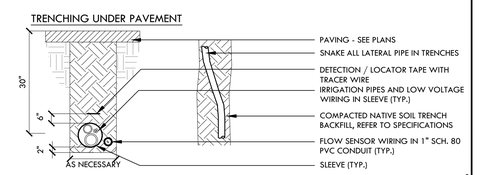
D HIGH-VOLUME CONTROL VALVE ASSEMBLY NTS

NOTE:
VALVE TO HAVE 3" MIN. CLEARANCE FROM LID BOTTOM TO TOP OF METER LID.

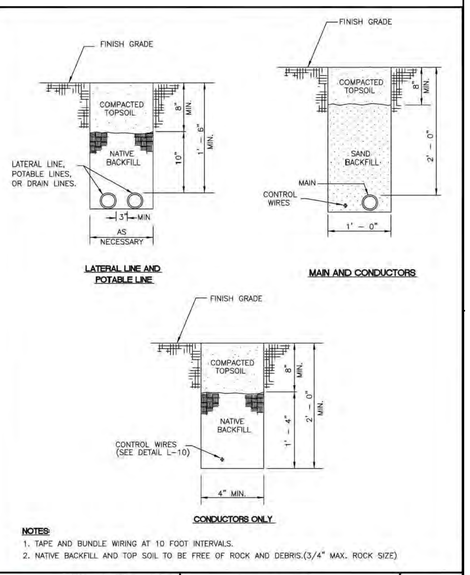
C HYDROMETER NTS



B TREE PLANTING NTS



A IRRIGATION PIPE TRENCHING NTS



NOTES:

1. AREA AROUND BOX CAN EITHER BE PLANTED, HARDSURFACE OR A COMBINATION.
2. TOP OF BOX:
   1/2" ABOVE GRADE OR LAWN.
   1" ABOVE GRADE FOR GROUND COVER OR SHRUBS.
3. CLOSE NIPPLES SHALL NOT BE USED.
4. CRUSHED ROCK SHALL COVER VALVE BOX PIPE OPENINGS TO PREVENT SOIL ENTRY.
5. GATE VALVE SHALL BE "RED & WHITE", OR APPROVED EQUAL.

City of Morgan Hill Public Works Department	GATE VALVE	DRAWING NO. L-8
Jim Ashcraft 8/6/98 CITY ENGINEER DATE REVISED		

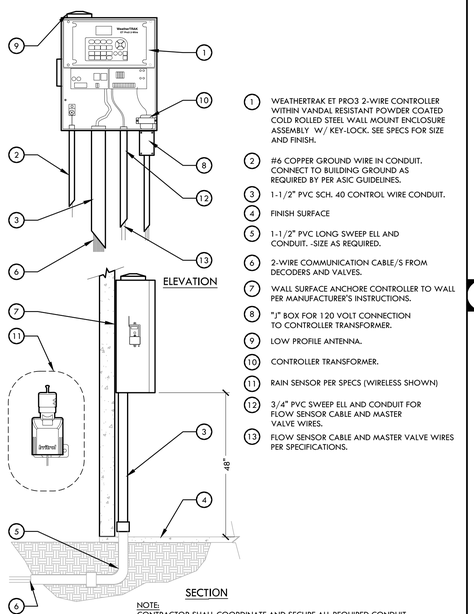
I GATE VALVE

NOTES:

1. TAPE AND BUNDLE WIRING AT 10 FOOT INTERVALS.
2. NATIVE BACKFILL AND TOP SOIL TO BE FREE OF ROCK AND DEBRIS.(3/4" MAX. ROCK SIZE)

City of Morgan Hill Public Works Department	IRRIGATION AND DRAIN LINE TRENCH	DRAWING NO. L-1
Jim Ashcraft 8/6/98 6/8/00 CITY ENGINEER DATE REVISED		

G IRRIGATION AND DRAIN LINE TRENCH



1. WEATHERTRAK ET PRO3 2-WIRE CONTROLLER WITHIN VANDAL RESISTANT POWDER COATED COLD ROLLED STEEL WALL MOUNT ENCLOSURE ASSEMBLY W/ KEY-LOCK. SEE SPECS FOR SIZE AND FINISH.
2. #6 COPPER GROUND WIRE IN CONDUIT. CONNECT TO BUILDING GROUND AS REQUIRED BY PER ASIC GUIDELINES.
3. 1-1/2" PVC SCH. 40 CONTROL WIRE CONDUIT.
4. FINISH SURFACE
5. 1-1/2" PVC LONG SWEEP ELL AND CONDUIT. -SIZE AS REQUIRED.
6. 2-WIRE COMMUNICATION CABLE/S FROM DECODERS AND VALVES.
7. WALL SURFACE ANCHORE CONTROLLER TO WALL PER MANUFACTURER'S INSTRUCTIONS.
8. "J" BOX FOR 120 VOLT CONNECTION TO CONTROLLER TRANSFORMER.
9. LOW PROFILE ANTENNA.
10. CONTROLLER TRANSFORMER.
11. RAIN SENSOR PER SPECS (WIRELESS SHOWN)
12. 3/4" PVC SWEEP ELL AND CONDUIT FOR FLOW SENSOR CABLE AND MASTER VALVE WIRES.
13. FLOW SENSOR CABLE AND MASTER VALVE WIRES PER SPECIFICATIONS.

SECTION

NOTE:
CONTRACTOR SHALL COORDINATE AND SECURE ALL REQUIRED CONDUIT, SLEEVING, POWER AND GROUNDING SOURCE WITH ELECTRICAL CONTRACTOR.

E WALL MOUNT CONTROLLER NTS

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — 4168 — EXPIRATION DATE: DEC. 31, 2025

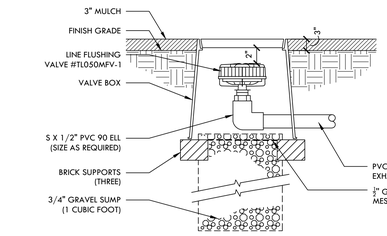
IRRIGATION AND PLANTING DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D5.1

CITY COMMENT REVISIONS 5/17/24

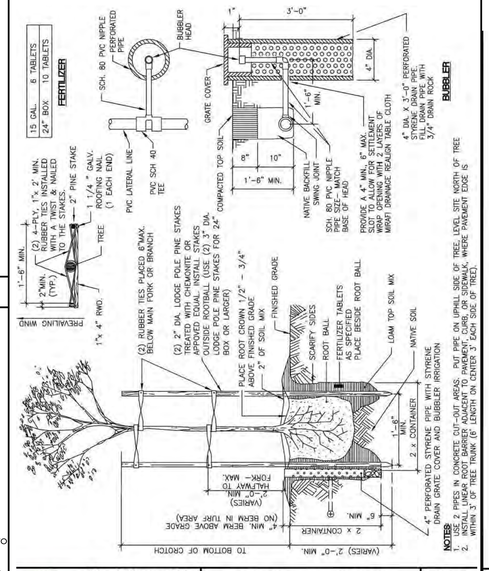
IRRIGATION AND PLANTING DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - MH Butterfield Park Phase 1 Development\CAD_DTL 5.1-IRR.dwg



NOTES:
1. CONTRACTOR TO SELECT PLASTIC VALVE BOX WITH LOCKING LID THAT WILL PROVIDE 3" MINIMUM CLEARANCE ON ALL SIDES OF VALVE
2. DRIP ZONE AREAS TO BE INSTALLED PER MANUFACTURE'S RECOMMENDATIONS AND DETAILS. CONTRACTOR TO COORDINATE WITH LOCAL MANUFACTURE REPRESENTATIVE THROUGHOUT INSTALLATION.

J AUTOMATIC FLUSH VALVE NTS



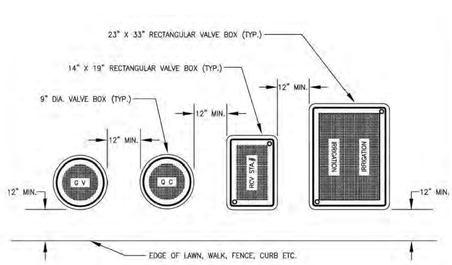
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/1/97	3/15/07

STANDARD TREE PLANTING & STAKING WITH WITH BUBBLER IRRIGATION

DRAWING NO. L-15

E TREE PLANTING WITH BUBBLER IRRIGATION



NOTES:
1. CENTER BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER / SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREAS.
3. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER / SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN AREA ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN..
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID COMPACTING SOIL AROUND AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. ALL BOXES SHALL BE "CARSON" OR APPROVED EQUAL, AND BE EQUIPPED WITH BOLT DOWN LIDS.
7. ALL VALVE BOX LIDS SHALL IDENTIFY EQUIPMENT CONTAINED IN BOX BY MOLDING OR BRASS TAG TO LID AS FOLLOWS:
   - GATE VALVE – "G.V."
   - QUICK COUPLER – "Q.C."
   - REMOTE CONTROL VALVE – "R.C.V. STA. #____"
   - MISCELANEOUS ELECTRICAL EQUIPMENT – "ELECTRICAL"
   - MISCELANEOUS IRRIGATION EQUIPMENT – "IRRIGATION"

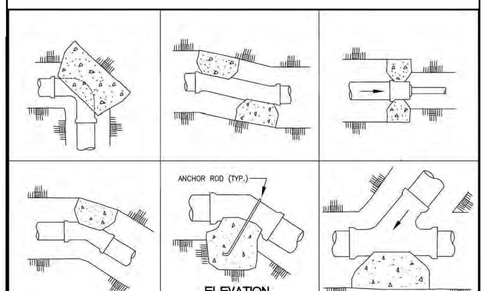
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/6/98	

VALVE BOX LOCATION

DRAWING NO. L-14

C VALVE BOX LOCATION



NOTES:
1. ALL PLASTIC PIPE TO BE INSTALLED ACCORDING TO THESE DETAILS UNLESS OTHERWISE NOTED OR DETAILED.
2. THE PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE 420-C-2000 CONCRETE.
3. ALL ANCHOR RODS SHALL BE GALVANIZED STEEL, MINIMUM 1/2" DIAMETER, WRAPPED AROUND PIPE.
4. SIZE OF THRUST BLOCKS SHALL BE SPECIFIED ON PLANS.
5. THRUST BLOCKS SHALL BE USED FOR PLASTIC PIPES WITH 3" DIAMETER OR LARGER.
6. FLOW DIRECTION INDICATED BY ⟶
7. ALL VIEWS ARE PLAN VIEW UNLESS OTHERWISE SHOWN.

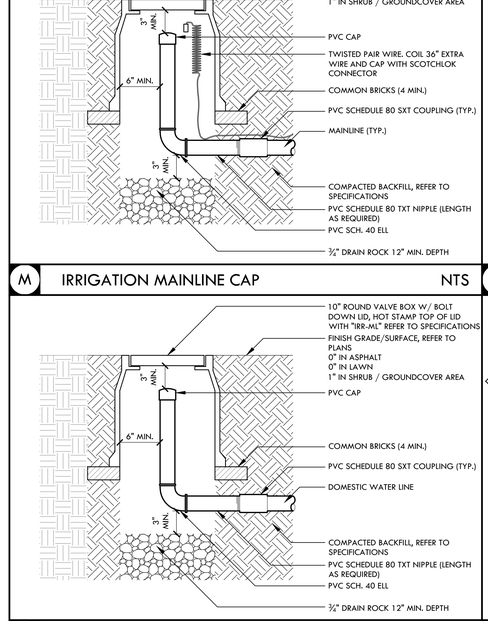
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/6/98	

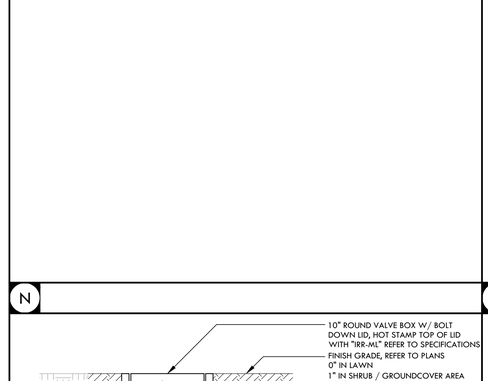
THRUST BLOCKS FOR PLASTIC PIPES

DRAWING NO. L-13

B THRUST BLOCKS



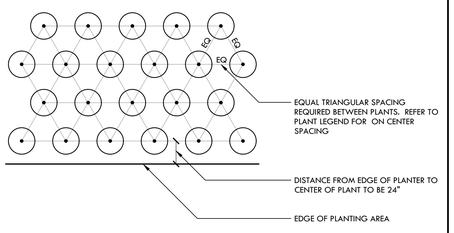
M IRRIGATION MAINLINE CAP NTS



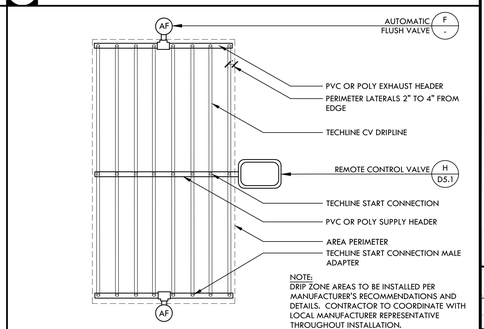
I DRIP TUBING - ISLAND LAYOUT NTS

NOTE:
DRIP ZONE AREAS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTRACTOR TO COORDINATE WITH LOCAL MANUFACTURER REPRESENTATIVE THROUGHOUT INSTALLATION.

L DOMESTIC WATER LINE CAP NTS

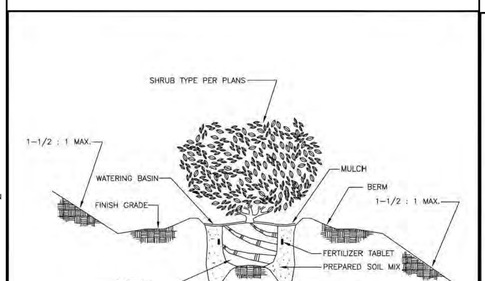


K TRIANGULAR SPACING DIAGRAM NTS



NOTE:
DRIP ZONE AREAS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTRACTOR TO COORDINATE WITH LOCAL MANUFACTURER REPRESENTATIVE THROUGHOUT INSTALLATION.

G DRIP TUBING - CENTER FEED LAYOUT NTS



NOTES:
1. SET CROWN 1-1/2" ABOVE FINISH GRADE TO ALLOW FOR SETTLEMENT.
2. WELL DEVELOPED SHRUB ROOTBALL; LIGHTLY SCARIFY PERIMETER.
3. SLOW RELEASE FERTIZER TABLET AS PERSPECIFICATIONS.
4. 4" HIGH BERM TEMPORARY WATER BASIN. INSIDE DIAMETER TO EQUAL ROOTBALL DIAMETER.
5. PLANTING HOLE; TWO TIMES DIAMETER AND DEPTH OF SHRUB ROOTBALL. SCARIFY SIDES AND BOTTOM.
6. MULCH AS PER SPECIFICATIONS.
7. BACKFILL MIXTURE AS PER SPECIFICATIONS.

City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/6/98	3/15/07

SHRUB PLANTING

DRAWING NO. L-17

D SHRUB PLANTING

NOTE: THESE NOTES APPLY TO LANDSCAPING WORK. FOR DOMESTIC, COMMERCIAL/INDUSTRIAL APPLICATIONS, SEE "W"-WATER SECTION.

LEGEND

1. Finish Grade.
2. Service size galvanized steel pipe from water meter. Use Ductile iron Pipe with flange fittings for sizes 2 1/2" and larger.
3. Reduced Pressure Backflow Preventer FEBCO 825Y (or approved equal) for sizes 3/4" through 2", and FEBCO 825 YD (or approved equal) for sizes 2 1/2" to 4".
4. Adjustable pipe saddle support, galvanized steel, suitable for supporting general piping 4" and larger.
5. Backflow preventer enclosure manufactured by Lemeur (or approved equal). Enclosure shall be single-swing type for backflow unit sizes 3/4" through 2" and double-swing type ("clam shell") for backflow unit sizes 2 1/2" through 4". Frame shall be 1 1/2" X 1 1/2" X 3/16" steel angle with 1 1/2" #9 expanded metal. Install as shown on plans.
6. 6" concrete enclosure pad, size as shown on the plan.
7. Service size galvanized steel pipe riser with a minimum of two (2) unions for threaded connections (sizes 1" to 2").
8. 90° elbow, flanged or threaded, wrapped with 10 mil PVC tape.
9. Concrete thrust block for service size 4" or larger (see detail W-12).
10. Water meter and service by others (see detail W-1)
11. Two coats of enamel. Color specified per approved plans.

NOTES:
1. Gate valves and test cocks are required.
2. Water supply- no connections or tees are allowed between the water meter and backflow unit.
3. Protection from freeze damage may be required in exposed areas.
4. Device must be accessible for testing and maintenance. Prior to activation, call 776-7333 for backflow device inspection.
5. Wrap buried galvanized pipe with 3M tape or approved equal.

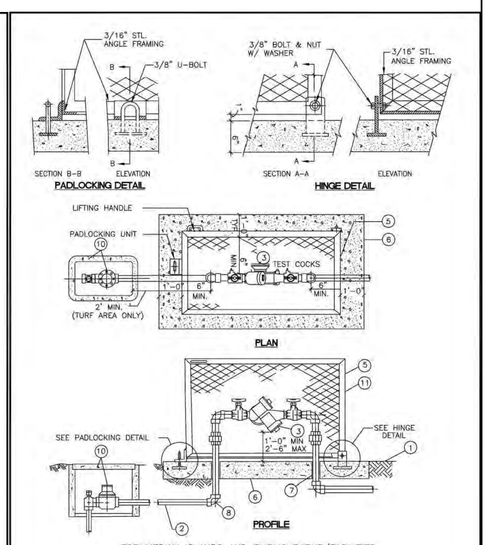
City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/1/97	3/15/07

LANDSCAPE BACKFLOW PREVENTER LEGEND AND NOTES

DRAWING NO. L-12

A REDUCED PRESSURE BACKFLOW PREVENTER



FOR MEDIAN ISLANDS AND PUBLIC PARKS/FACILITIES (SIZES 1" TO 2")

City of Morgan Hill — Public Works Department

CITY ENGINEER	DATE	REVISED
	8/1/97	3/15/07

R.P. BACKFLOW PREVENTER WITH SINGLE-SWING HINGED ENCLOSURE

DRAWING NO. L-10

NO.	DESCRIPTION	DATE	BY
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

WORK ACCEPTED: INSPECTOR:
BY: DATE:
Revisions

DRAWN: VERDE DESIGN: VERDE HOR: AS SHOWN
CHECKED: DM VERT: AS SHOWN
APPROVED: DATE: JOB NUMBER: 2214701

SCOTT C. OREER RCE 58879 EXP. DATE 6-30-2025

City of Morgan Hill
CITY OF MORGAN HILL
ENGINEERING AND UTILITIES
17575 Peak Ave. Morgan Hill, CA 95037 (408)778-6480 www.morgan-hill.ca.gov

REGISTERED LANDSCAPE ARCHITECT — SCOTT C. OREER — No. 5879 — EXPIRATION DATE: DEC. 31, 2025 — STATE OF CALIFORNIA

IRRIGATION AND PLANTING DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: D5.2

CITY COMMENT REVISIONS 5/17/24

IRRIGATION AND PLANTING DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Y:\Projects-SC\2022\2214701 - Mtn Butterfield Park Phase 1 Development\CAD_DTL 5.1-IRR.dwg

Restroom / Storage Building

BUTTERFIELD PARK

Morgan Hill, CA

CODE COMPLIANCE

APPLICABLE CODES:
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA GREEN CODE
- 2022 CALIFORNIA ENERGY CODE
- ADA TITLE II (28 CFR PART 35) & 2010 ADAS APPLICABLE TO STATE & LOCAL GOVERNMENT SERVICES, PROGRAMS & ACTIVITIES

DESCRIPTION: RESTROOM / STORAGE BUILDING

OCCUPANCY & USE: U (WITH ACCESSIBILITY PROVISIONS) - RESTROOMS & MECHANICAL ROOM,
NONSEPARATED S-1 STORAGE ROOM
MIXED USE PER 508.3

FIRE SPRINKLERS: NO

TYPE OF CONSTRUCTION: V-B

HEIGHT & STORIES:
BUILDING HEIGHT 12'-0"
NUMBER OF STORIES 1 STORY (1 ALLOWED)

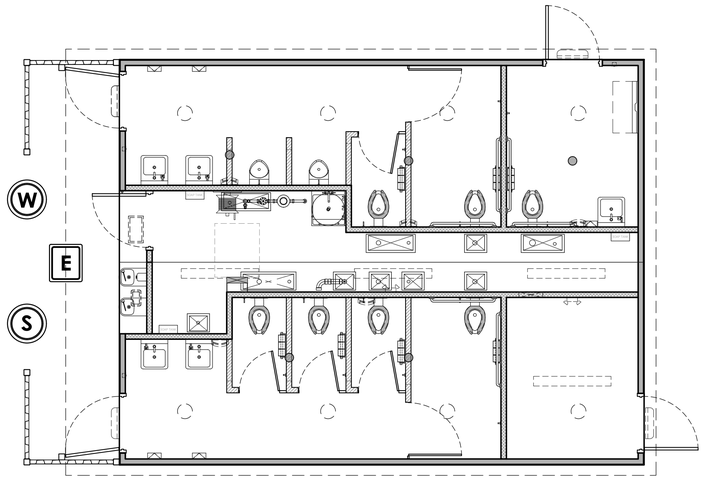
FLOOR AREA:
RESTROOMS, STORAGE & MECHANICAL ROOM 665 s.f. (FOOT PRINT) (5,500 s.f. ALLOWED)

CLIMATE ZONE: 4

PRC JOB NUMBER: 11640

PRC MODEL NUMBER: SS-275-FAM-ST-DF-BF

NUMBER OF MODS: 2



GENERAL NOTES

- THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLAN OF THESE DRAWINGS.
- LOCATION OF THIS BUILDING SHALL MEET REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
- ACCESSIBILITY TO THIS STRUCTURE SHALL BE IN CONFORMANCE WITH LOCAL CODE INCLUDING ALL PATHWAYS, RAMPS AND PATHS OF TRAVEL FOR PARKING TO THE BUILDING.
- SOIL BEARING REQUIREMENT IS 1500 PSF, SUB GRADE COMPACTION AT 90%.
- BUILDING PLUMBING SYSTEM IS BASED UPON FULL FLOW EXISTING WATER SERVICE. LOSS OF REQUIRED FLOW RATE OF 10 GPM OR PRESSURE BELOW 35 PSI MAY NECESSITATE AN INTERMEDIATE WELL TANK AND CHECK VALVE IN LINE.
- ALL DIMENSIONS HEREIN ARE NOMINAL AND SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE.
- ALL ROOMS OF THIS BUILDING ARE DESIGNATED AS A NON-HABITABLE SPACES AND ARE NOT DESIGNED TO BE HEATED OR COOLED.
- THIS BUILDING IS NOT DESIGNED OR APPROVED FOR WUI (WILDLAND URBAN INTERFACE) LOCATION.
- ALL WORK REQUIRED TO BE COMPLETED ON SITE SUBJECT TO REVIEW, APPROVAL AND INSPECTION BY LOCAL AHJ.
  - a. SITE CONCRETE FOUNDATION (IF APPLICABLE)
  - b. COMPACTED BUILDING PAD ENGINEERED
  - c. UNDER SLAB UTILITY PIPING (SEE NOTE)
  - d. ELECTRICAL SERVICE AS REQUIRED
  - e. WATER SERVICE AS REQUIRED
  - f. SEWER (DWV) SERVICE AS REQUIRED
  - g. CONCRETE WALKWAY COMPLIANT WITH PATH OF TRAVEL FROM ACCESSIBLE PARKING

  NOTE: PUBLIC RESTROOM COMPANY WILL ONLY FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX.) BEYOND THE BUILDING LINE. MIN. OF 24" - MAX. OF 36" BELOW GRADE - U.N.O.
- SITE INSTALLATION DETAILS ARE NOTED ON SHEETS S-1 FOR STRUCTURAL CONNECTIONS, A-2.1 & A-2.2 FOR WEATHERIZATION FINISH, P-1 FOR PLUMBING CONNECTIONS & E-1 FOR ELECTRICAL CONNECTIONS IN ACCORDANCE w/ SECTION 4368.
  - a. SERVICE HOOKUPS (PLUMBING AND ELECTRICAL CONNECTIONS).
  - b. PATCH AND FINISH AT CRANE PICK LOCATIONS AS NEEDED.
  - c. INSTALL AND CONNECT PLUMBING DRAIN TRAPS ASSEMBLIES PER PLUMBING PLANS HEREIN.
  - d. INSTALL ROOFING.
  - e. INSTALL BACKER ROD AND CAULK AT MODLINE.
  - f. CAULK FLOOR AT MODLINE AND FILL PICK POINT LOCATIONS.
  - g. INSTALL MOD LINE CONNECTORS

Utility Location

NOTE: FINAL LOCATIONS OF P.O.C. TO BE COORDINATED WITH P.R.C. AND TO BE CONFIRMED ON SITE . UTILITY BOXES TO BE PROVIDED BY OTHERS.

PROJECT INFORMATION

SITE ADDRESS: **BUTTERFIELD PARK** - Butterfield Blvd. & Monterey Hwy., Morgan Hill, CA 95037

PROJECT OWNER:
CITY of MORGAN HILL
1575 Peak Hill
Morgan Hill, CA 95037
PHONE: (408) 779-7271

STRUCTURAL ENGINEER:
R & S TAVARES ASSOCIATES
1590 W. Bernardo Court, Suite 100
San Diego, CA 92127
CONTACT: Mariana Cardoso
POSITION: Controller
PHONE: (858) 444 3344
EMAIL: mariana@rstavares.com

DESIGNER / CERTIFIED MANUFACTURER:
PUBLIC RESTROOM COMPANY
2587 Business Parkway
Minden, NV 89423
CONTACT: Chad Kaufman
PHONE: (888) 888-2060
FAX: (888) 888-1448
E-MAIL: chad@publicrestroomcompany.com

LANDSCAPE ARCHITECT:
VERDE DESIGN
2455 The Alameda, Suite 200
Santa Clara, CA 95050
CONTACT: Daniel Collazos
PHONE (408) 985-7260
E-MAIL: danielc@verdedesigninc.com

DRAWING INDEX

SHEETS		PM PLAN REVIEW - 01/10/2024	DESIGN REVIEW - 09/20/2023	PRC PLAN REVIEW - 04/17/2024	STRUCTURAL REVIEW - 04/24/2024	STRUCTURAL REVIEW - 04/24/2024	CONSTRUCTION - 04/29/2024	
T-1	TITLE SHEET	●	●	●	●	●	●	
AC	ACCESSIBILITY COMPLIANCE	●	●	●			●	
A-1	FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES	●	●	●	●	●	●	
A-1.1	ROOF FRAMING PLAN & FASTENING SCHEDULE	●		●	●	●	●	
A-1.2	BUILDING SECTIONS	●		●	●	●	●	
A-2	EXTERIOR ELEVATIONS & FINISH SCHEDULE	●	●	●	●	●	●	
A-2.1	EXTERIOR ELEVATIONS & FINISH SCHEDULE	●	●	●	●	●	●	
A-3	INTERIOR ELEVATIONS & SCHEDULES	●	●	●			●	
P-1	PLUMBING PLANS, SCHEDULES & DETAILS	●	●	●			●	
E-1	ELECTRICAL PLAN & SCHEDULES	●	●	●			●	
S-1	CONCRETE SLAB & STEEL PERIMETER PLAN & DETAILS	●	●	●	●	●	●	

DESIGN LOADS

STRUCTURAL DESIGN CRITERIA

GRAVITY LOADS		SEISMIC	
FLOOR LIVE	125 psf	SEISMIC DESIGN CATEGORY	D
		SITE CLASS	D
FLOOR DEAD	80 psf	IMPORTANCE FACTOR	1.0
ROOF LIVE	20 psf	RISK CATEGORY	II
ROOF DEAD	10 psf	MAPPED ACCELERATIONS	
EXTERIOR WALL DEAD	39.1 psf	S_S	1.606
		S_1	0.6
SNOW		SPECTRAL RESPONSE	
GROUND SNOW, P_g	0 psf	S_{DS}	1.285
FLAT-ROOF SNOW, P_f	0 psf	S_{D1}	0.68
IMPORTANCE FACTOR, I_s	1.00	SEISMIC FORCE RESISTING SYSTEM	A7
EXPOSURE FACTOR, C_e	1.00	DESIGN BASE SHEAR	0.257W
THERMAL FACTOR, C_t	1.00	RESPONSE MODIFICATION FACTOR	5.0
		ANALYSIS PROCEDURE	ASCE7-16
WIND			
ULTIMATE WIND SPEED, Vult	98 mph		
WIND SPEED, Vasd	76 mph	FLOOD	
EXPOSURE CATEGORY	C	BUILDING SHALL NOT BE LOCATED, IN WHOLE OR IN PART, IN A FLOOD HAZARD AREA AS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION UNLESS SET ON A FOUNDATION DESIGNED IN ACCORDANCE WITH ASCE/SEI 25. THE FLOOD RESISTANT FOUNDATION SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL AND CONSTRUCTED TO RESIST ALL FLOOD LOADS WITHOUT TRANSFERRING LOADS TO THE MODULAR STRUCTURE.	
RISK CATEGORY	II		
INTERNAL PRESSURE, Gcpi	+/- 0.18		
MEAN ROOF HEIGHT	15 Ft		
BUILDING SHALL NOT BE PLACED ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT			

COMPONENTS & CLADDING WIND LOADS

COMPONENT	END ZONE (psf)	INTERIOR ZONE (psf)
WINDOWS & SIDING	+28.1 / -28.1	+22.7 / -22.7
DOORS	+28.1 / -28.1	+22.7 / -22.7
ROOF CLADDING	+56.5 / -56.5	+56.5 / -56.5
ROOF OVERHANGS	+67.1 / -67.1	+67.1 / -67.1

STRUCTURAL ONLY
This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

REGISTERED PROFESSIONAL ENGINEER
RAYMOND M. TAVARES
No. 92484
EXP: 06.30.2024
CIVIL
STATE OF CALIFORNIA
04/29/24

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

No.	Description	Date

29-Apr-24 2:01 PM

CONSTRUCTION DOCUMENTS
04/29/2024

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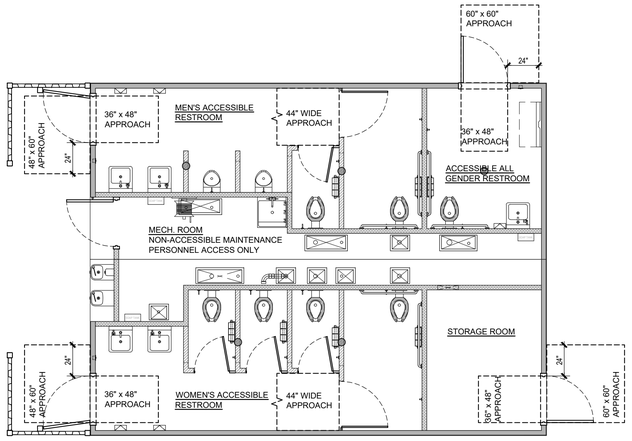
PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

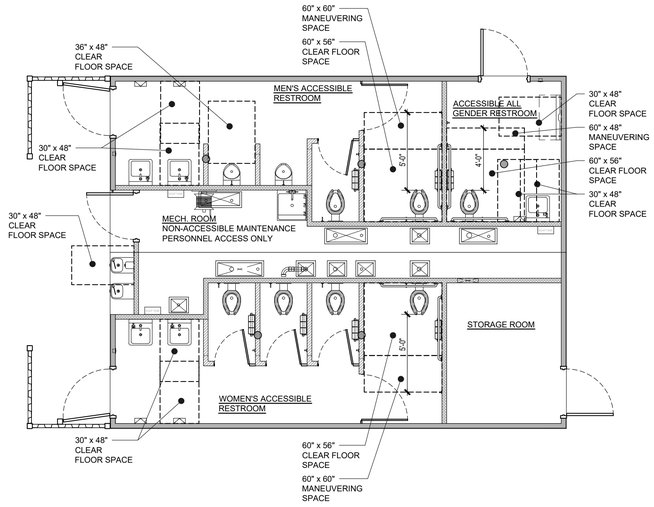
SHEET TITLE:
TITLE SHEET

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		T-1
Start Date:	12/21/2023		



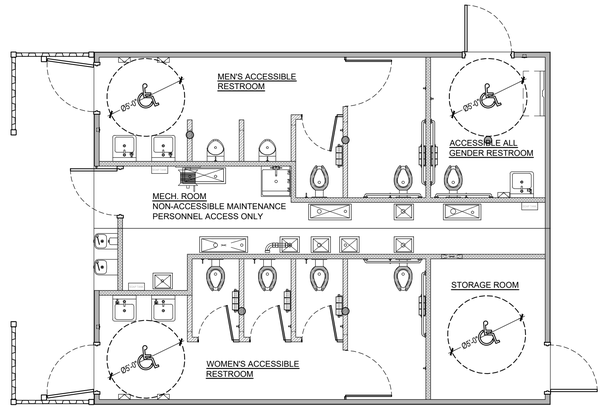
DOOR APPROACH

SCALE: NTS



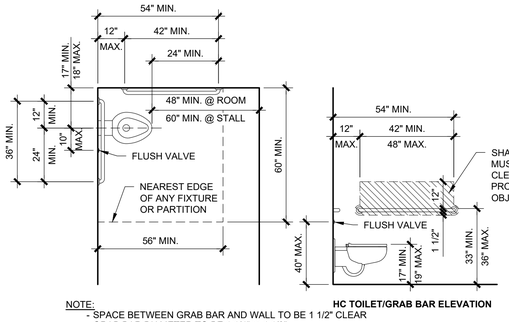
FIXTURE APPROACH

SCALE: NTS



TURNING SPACE

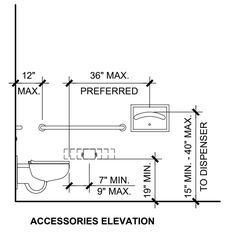
SCALE: NTS



NOTE:
- SPACE BETWEEN GRAB BAR AND WALL TO BE 1 1/2" CLEAR
- GRAB BAR DIAMETER TO BE 1 1/4" to 1 1/2"
- GRAB BAR MUST BE ABLE TO SUPPORT 250lb POINT LOAD AND NOT ROTATE WITHIN THE FITTINGS

NOTE: NOT ALL ACCESSORIES MAY PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REFERENCE ONLY.

HC TOILET/GRAB BAR ELEVATION



ACCESSORIES ELEVATION

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
GRAB BARS	33" MIN. / 36" MAX. TO TOP	34" TO TOP
TOILET LOCATION	17" MIN. / 18" MAX. TO CENTERLINE	17 1/2" TO CENTERLINE
TOILET/SEAT HEIGHT	17" MIN. / 19" MAX.	18" TO TOP OF SEATING SURFACE
TOILET FLUSH VALVE	40" MAX., 10" TO WIDE SIDE	CENTERLINES TO BE 28" AFF AND 10" FROM CENTER OF WC
TP DISPENSER	DISPENSER OUTLET TO BE 19" MIN. AFF & CENTER LINE OF FIXTURE TO BE 7"-9" FROM FACE OF WATER CLOSET	8" FROM FRONT OF WATER CLOSET TO CENTER OF DISPENSER & 30" TO TOP OF FIXTURE

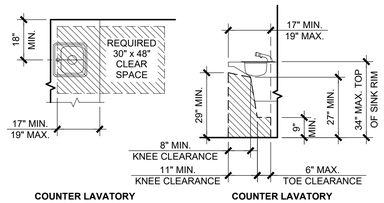
1 - TOILET DESIGN CRITERIA

2022 CBC ACCESSIBILITY STANDARDS

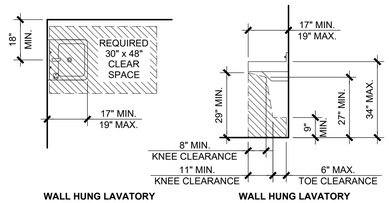
(SHOWING MINIMUMS AND MAXIMUMS)

* PUBLIC RESTROOM COMPANY STANDARDS ARE FOR PRODUCTION PERSONNEL TO BE USED AS A GUIDELINE TO ENSURE FIXTURES ARE INSTALLED WITHIN THE REQUIRED RANGES PER CODE, AND MAY NOT BE EXACT ONCE INSTALLED DUE TO FLOOR SLOPES, TOLERANCES, ETC.

NOTE:
NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY



COUNTER LAVATORY CLEAR ACCESS | **COUNTER LAVATORY ELEVATION**

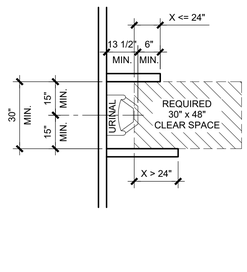


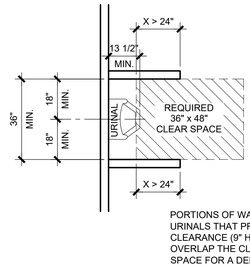
WALL HUNG LAVATORY CLEAR ACCESS | **WALL HUNG LAVATORY ELEVATION**

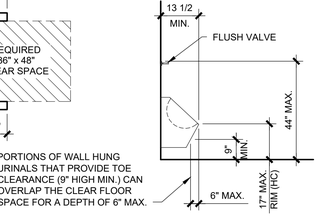
NOTE:
WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES ARE TO BE COVERED TO PROTECT AGAINST CONTACT

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
RIM HEIGHT (TOP OF LAV.)	34" MAX.	33" PREFERRED BUT MUST HAVE 29" KNEE SPACE MIN.
HEIGHT OF KNEE SPACE	29" MIN. AT FRONT APRON 27" MIN. AT 8" IN FROM FRONT	PER CODE
FRONT LAV TO TRAP	8" MIN.	PER CODE
TOE SPACE UNDER TRAP	9" MIN.	PER CODE
CONTROLS	DECK MOUNT AT 34" MAX.	33" PREFERRED
CLEAR SPACE	30" x 48"	PER CODE

2 - LAVATORY DESIGN CRITERIA





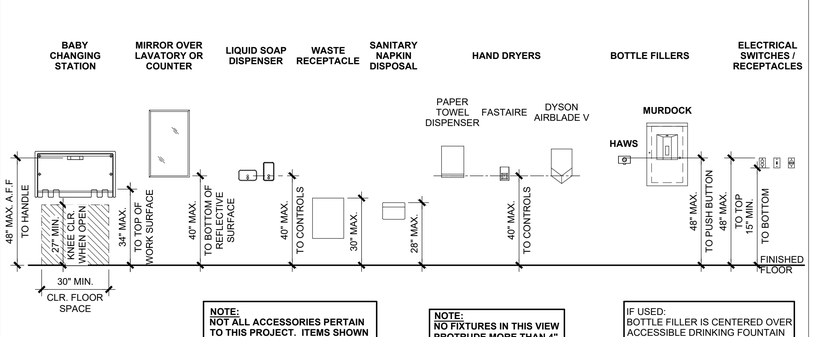


PORTIONS OF WALL HUNG URINALS THAT PROVIDE TOE CLEARANCE (9" HIGH MIN.) CAN OVERLAP THE CLEAR FLOOR SPACE FOR A DEPTH OF 6" MAX.

URINAL CLEAR FLOOR ACCESS | **ELEVATION**

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
URINAL RIM	17" MAX A.F.F.	16" A.F.F.
CONTROLS	44" MAX A.F.F.	10" NOM. ABOVE TOP OF URINAL
CLEAR FLOOR ACCESS	30" x 48" WHERE ONE WALL / PARTITION IS LESS THAN OR EQUAL TO 24" IN DEPTH, OR 36" x 48" WHERE BOTH WALLS / PARTITIONS ARE GREATER THAN 24" IN DEPTH.	PER CODE, SEE PLAN

3 - URINAL DESIGN CRITERIA



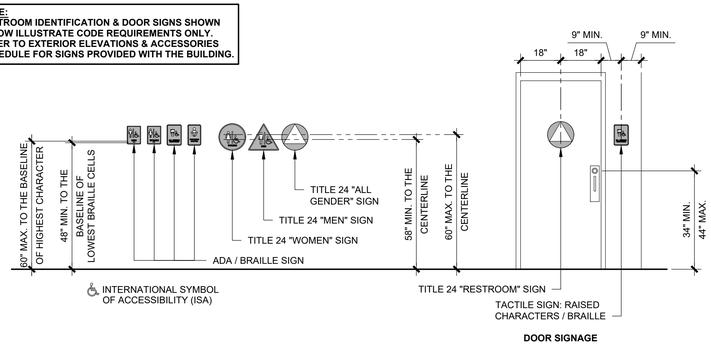
NOTE:
NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY

NOTE:
NO FIXTURES IN THIS VIEW PROTRUDE MORE THAN 4"

IF USED:
BOTTLE FILLER IS CENTERED OVER ACCESSIBLE DRINKING FOUNTAIN THAT IS < 20" DEEP

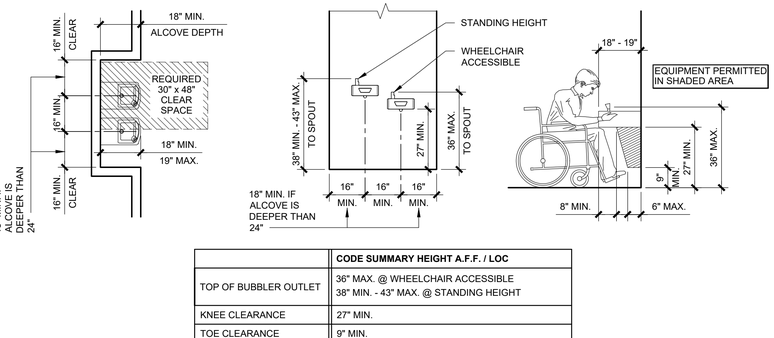
4 - MOUNTING HEIGHTS

NOTE:
RESTROOM IDENTIFICATION & DOOR SIGNS SHOWN BELOW ILLUSTRATE CODE REQUIREMENTS ONLY. REFER TO EXTERIOR ELEVATIONS & ACCESSORIES SCHEDULE FOR SIGNS PROVIDED WITH THE BUILDING.



DOOR SIGNAGE

5 - RESTROOM SIGNS AT DOORS AND GATES



	CODE SUMMARY HEIGHT A.F.F. / LOC
TOP OF BUBBLER OUTLET	36" MAX. @ WHEELCHAIR ACCESSIBLE 38" MIN. - 43" MAX. @ STANDING HEIGHT
KNEE CLEARANCE	27" MIN.
TOE CLEARANCE	9" MIN.
APPROACH	30" x 48"

NOTE: D.F. ACTIVATOR TO BE WITHIN 6" OF FRONT EDGE OF D.F.

6 - DRINKING FOUNTAIN

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
04/29/2024

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
ACCESSIBILITY COMPLIANCE

Drawn by:	DF	Job No.	11640
Checked by:	DC		AC
Current Date:	04/29/2024		
Start Date:	12/21/2023		

CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

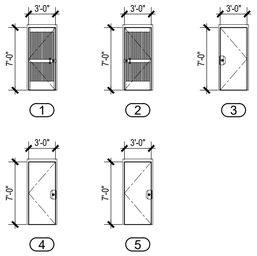
29-Apr-24 2:01 PM

DOOR SCHEDULE

NO.	ROOM NAME	SIZE	1 TYPE	2 FRAME TYPE	3 HINGE	4 LOCK	5.a CLOSER	5.b PULL EXTERIOR	5.b PUSH/PULL INTERIOR	5.c THRESH	5.d SWEEP	6 OTHER
1	ACCESSIBLE MEN'S RR	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	YES	5.b.1	5.b.1	YES	NO	6.a, 6.b, 6.c
2	ACCESSIBLE WOMEN'S RR	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	YES	5.b.1	5.b.1	YES	NO	6.a, 6.b, 6.c
3	ACCESSIBLE ALL GENDER RR	3'-0" x 7'-0"	1.b	2.a	3.a	4.a.2	YES	5.b.1	5.b.2	YES	NO	6.a
4	STORAGE ROOM	3'-0" x 7'-0"	1.b	2.a	3.a	4.a.2	YES	5.b.1	5.b.2	YES	YES	-
5	MECHANICAL ROOM	3'-0" x 7'-0"	1.b	2.a	3.a	4.a.2	NO	5.b.2	5.b.2	YES	YES	6.d
6	MULTIPLE	SKYLIGHTS: SOLOTUBE 160DS, 10" DIAMETER - QUANTITY: 8										

SPECS:

1. **TYPE:**
   a) **GATE: 12 GA. MILD STEEL**
   b) **DOOR: 14 GA. GALVANIZED HOLLOW METAL**
2. **FRAME TYPE:**
   a) **4 3/4" WIDE 14 GA. GALVANIZED HOLLOW METAL (WELDED)**
3. **HINGE:**
   a) **PEMKO KCFM-83" HD (OR EQ.) CONTINUOUS GEAR HINGE WITH STAINLESS STEEL VANDAL RESISTANT SCREWS.**
4. **LOCK:**
   a) **DEADBOLT: SCHLAGE B600 SERIES (626 FINISH) WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGEABLE CORE (FSIC)**
      1) **B663 - KEY EXT. SIDE, INT. ADA THUMB TURN UNLOCKS ONLY**
      2) **B660 - KEY BOTH SIDES LOCKS & UNLOCKS**
5. **HARDWARE:**
   a) **CLOSER: LCN 4211 (CUSH ARM)**
   b) **PUSH / PULL PLATES:**
      1) **PDQ Cast Door Pull - Surface Mounted 5-1/2" handle 629 SS FINISH (OR EQ.) BOTH SIDES & PROVIDE MOUNTING BLOCK**
      2) **ROCKWOOD VRTS4C (EXT.) & 91CFC (INT.) US32DMS WITH BLACK COOL COATING HANDLE**
   c) **THRESHOLD: PEMKO 270A (OR EQ.)**
   d) **SWEEP: NGP 200NA36 (OR EQ.)**
6. **OTHER:**
   a) **ELECTROMAGNETIC LOCKS: SEE SHEET E-1 FOR SPECS**
   b) **GATE SCREEN: PERFORATED METAL WITH MAX. 1/4" OPENINGS, INSTALL ON INTERIOR SIDE OF GATE**
   c) **LOCK OPEN: 6" LONG STEEL PLATE OFFSET ON DEADBOLT - PRC FABRICATED AND INSTALLED**
   d) **DOOR STOP: DELTANA DSF444U26D (OR EQ.)**



NOTE:
DIMENSIONS ARE FOR DOORS & GATES ONLY, FRAMES ARE NOT INCLUDED.

STRUCTURAL DESIGN

COMPONENT	DESCRIPTION	SPECIFIC MATERIAL LIST	NOTES
SLAB			
PERIMETER FRAMEWORK	STRUCTURAL STEEL	L 6"x6"x5/16"	
REINFORCEMENT	REBAR MAT DESIGN	#4 MIN. GRADE 60 TOP: 8" O.C. EACH WAY - BOT: 16" O.C. EACH WAY	
CONCRETE	8" MAT DESIGN	DESIGN BASIS IS MIN. 2500 PSI	NOTE #1
REBAR CONNECTION TO CONCRETE SLAB	STARTER BARS CONNECTION TO CONCRETE SLAB SHALL BE WITH 2 PART EPOXY w/ 5" MIN. EMBED DEPTH	RED HEAD A7+ EPOXY (OR EQUAL)	USE OF ADHESIVE ANCHORAGE SYSTEM BY PROVISIONS OF CODE REPORT ESR-3903 AND MANUFACTURER RECOMMENDATIONS
WALLS			
FRAMING (EXT.)			
TO CAP BEAM	C.M.U. BLOCK	4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B)	
ABOVE CAP BEAM	WOOD	2x3 DF#2 OR BETTER STUDS @ 24" O.C.	
FRAMING (INT.)			
TO CAP BEAM	C.M.U.BLOCK	4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B)	
ABOVE CAP BEAM	WOOD	2x3 DF#2 OR BETTER STUDS @ 24" O.C.	
SHEATHING (ABOVE CAP BEAM)			
ALL FRAMED WALLS (EXT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ALL FRAMED WALLS (INT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ROOF			
RAFTERS & LOOKOUTS	WOOD	2x6 DF#2 OR BETTER @ 24" O.C.	
BEAMS	WOOD	3 1/2" x 9" GLULAM 24F-V8 DF/DF	
SHEATHING	WOOD	5/8" SHEATHING BOTH SIDES	
FASCIA	WOOD	2x6 DF#2 OR BETTER WRAPPED w/ 16 GA. FORMED STEEL	

NOTES:
1. INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE.
2. PAINT WALL SHEATHING FOR MOISTURE PROTECTION (MECHANICAL ROOM SIDE)

C.M.U. SHEAR WALL SCHEDULE

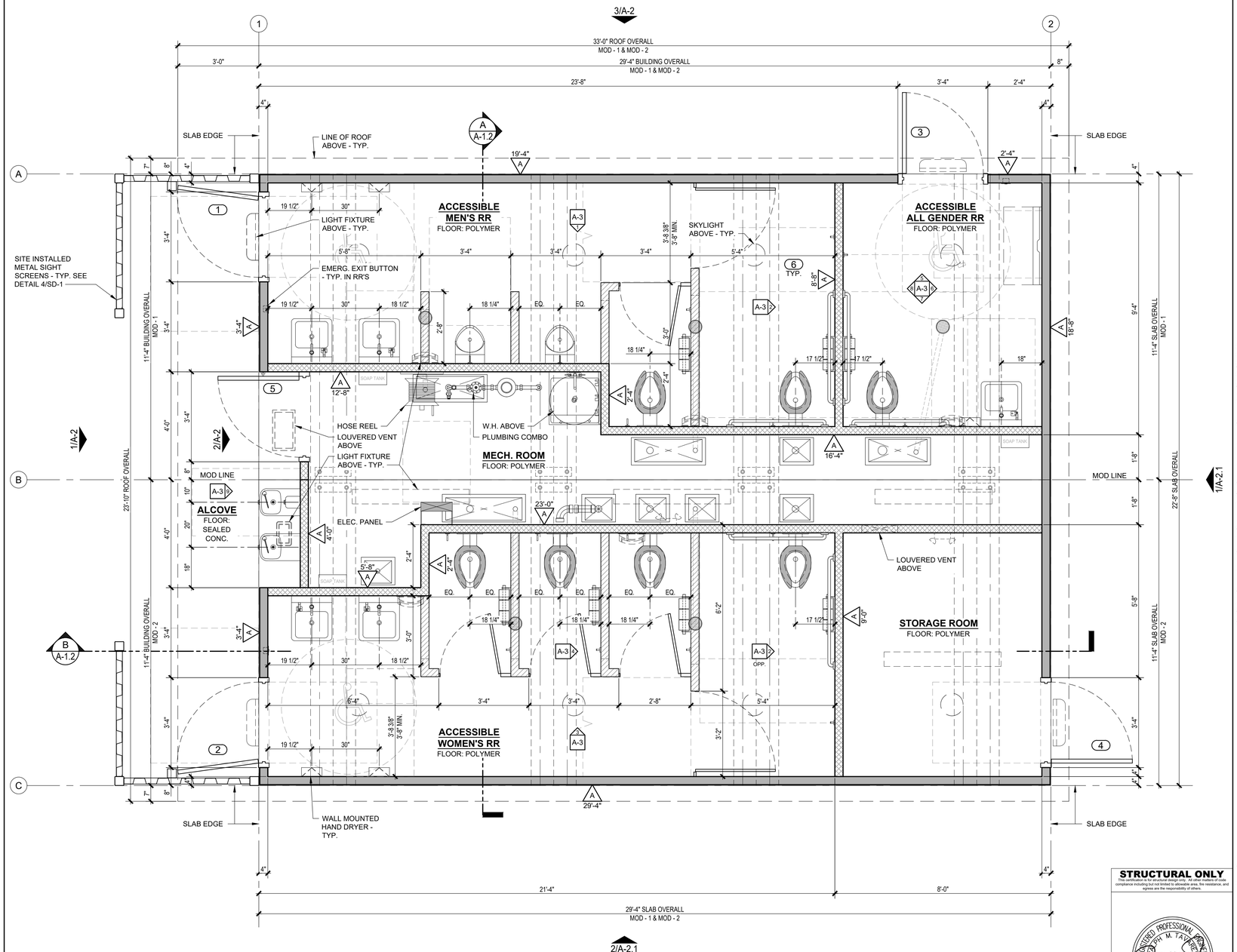
MARK	BLOCK	REINFORCEMENT	CAP BEAM
A	4 x 8 x 16 FULLY GROUTED	HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	HSS 6 x 4 x 1/8

GENERAL SHEET NOTES:

1. LOCATION OF ALL PLUMBING & ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE, FINAL LOCATIONS TBD.

WALL LEGEND:

- **4" C.M.U. - ROWS 1-4 SPLIT FACE ROWS 5-11 PRECISION**
- **4" C.M.U. - PRECISION**
- **4" C.M.U. - PRECISION - LOW WALL (72" HIGH PARTITION WALL)**



1 A-1 FLOOR PLAN
SCALE: 1/2"=1'-0"

STRUCTURAL ONLY
This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. TAYLOR
No. 60484
EXP: 06.30.2024
CIVIL
STATE OF CALIFORNIA
04/29/24

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
04/29/2024

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

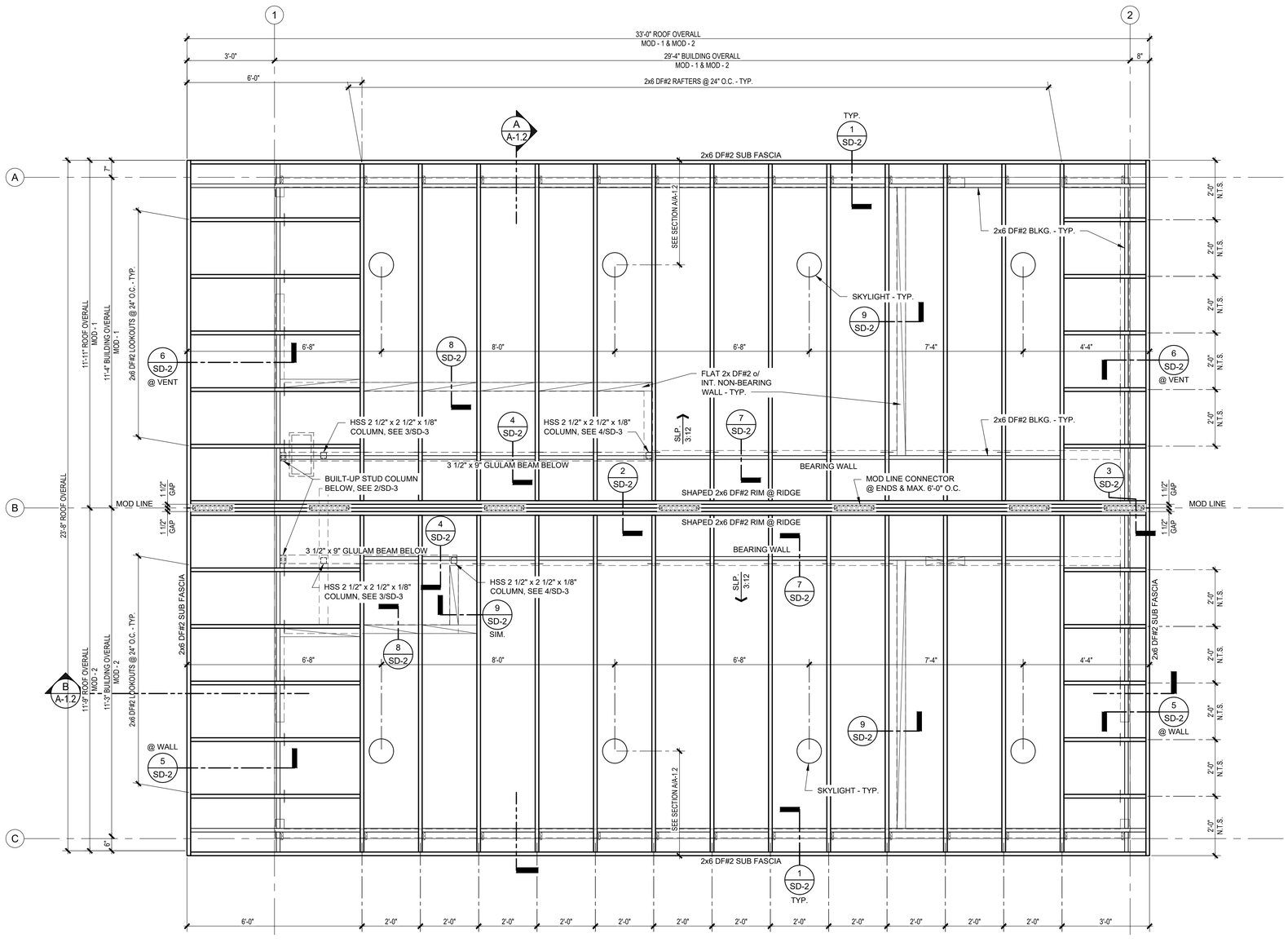
PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		A-1
Start Date:	12/21/2023		

29-Apr-24, 2:01 PM

BUTTERFIELD PARK - Morgan Hill, CA
CONSTRUCTION DOCUMENTS - 04/29/2024



1 A-1.1 ROOF FRAMING PLAN

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

FASTENING SCHEDULE

WOOD FRAMED WALLS	
STUDS TO TOP & BOTTOM PLATES	(2) 0.131" x 3 1/4" NAILS
DOUBLE TOP PLATES	(2) 0.131" x 3 1/4" NAILS @ 16" O.C.
SHEATHING (BOTH SIDES)	0.131" x 2 1/2" NAILS OR 16 GA. x 1 1/2" STAPLES (SENCO N17) @ 6" O.C EDGES 12" O.C. FIELD
BOTTOM PLATES & WOOD FILLERS TO CAP BEAM	#12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT)
ROOF	
RAFTERS TO WOOD FILLERS - GRID 'A' & 'C'	(1) SIMPSON GA2 TIE
LOOKOUTS TO TOP PLATES - GRID 1 & 2, & INTERIOR BEARING WALLS	(1) SIMPSON H1A TIE, (1) SIMPSON H3 @ END CONDITIONS
RAFTERS TO RIM @ RIDGE	(3) 0.131" x 3 1/4" NAILS, END GRAIN OR TOE NAILED
LOOKOUTS TO RAFTERS	(3) 0.131" x 3 1/4" NAILS, END GRAIN OR TOE NAILED
BLOCKING TO RAFTERS / LOOKOUTS	(4) 0.131" x 3 1/4" NAILS EACH END, END GRAIN OR TOE NAILED
BLOCKING TO WOOD FILLERS / TOP PLATES	(4) 0.131" x 3 1/4" NAILS TOE NAILED EA. SIDE STAGGERED
SUB FASCIA TO RAFTERS / LOOKOUTS	(3) 0.131" x 3 1/4" END GRAIN NAILS
SHEATHING TO RAFTERS / LOOKOUTS (BOTH SIDES)	0.131" x 2 1/2" NAILS @ 6" O.C. EDGE, 12" O.C. FIELD

GENERAL SHEET NOTES:

1. SD SHEETS REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.

STRUCTURAL ONLY

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REGISTERED PROFESSIONAL ENGINEER
JASON M. TAYLOR
No. 90484
EXP: 06.30.2024
CIVIL
STATE OF CALIFORNIA
04/29/24

DO NOT SCALE - DIMENSIONS PRESIDE
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11x17 SHEET = NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
04/29/2024

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2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

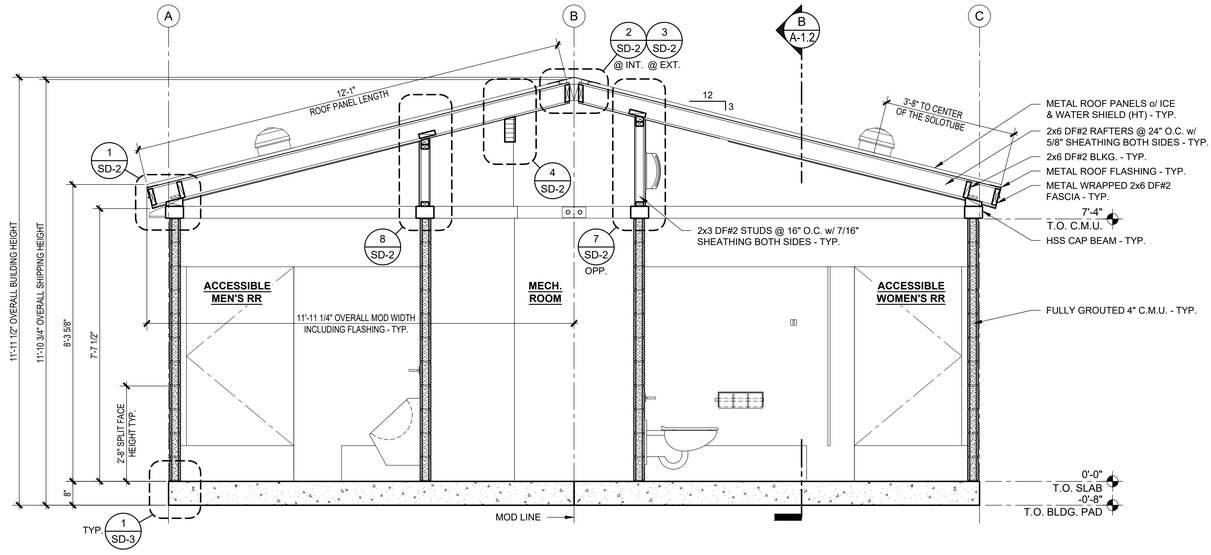
SHEET TITLE:
ROOF FRAMING PLAN & FASTENING SCHEDULE

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		A-1.1
Start Date:	12/21/2023		

CONSTRUCTION DOCUMENTS - 04/29/2024

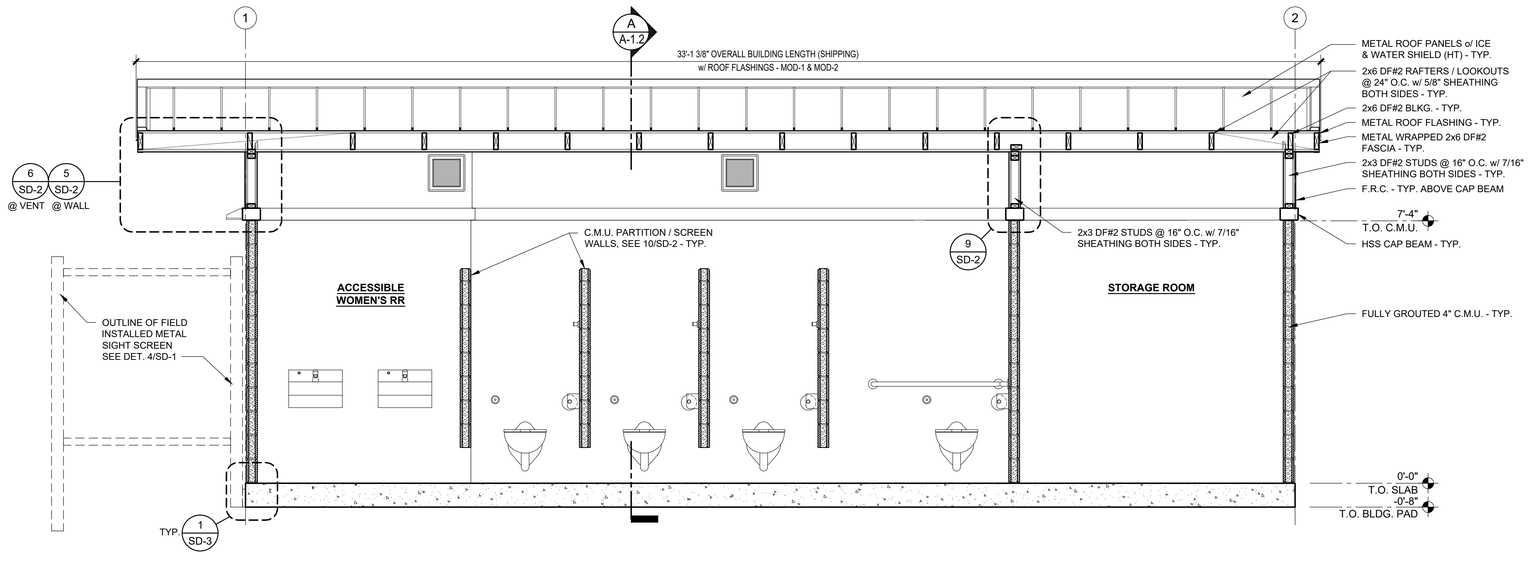
BUTTERFIELD PARK - Morgan Hill, CA

29-Apr-24 2:01 PM



A A-1.2 BUILDING SECTION

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



B A-1.2 BUILDING SECTION

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

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REGISTERED PROFESSIONAL ENGINEER — PHI M. TA — No. 90484 — EXP. 06.30.2024 — CIVIL — STATE OF CALIFORNIA — 04/29/24

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
BUILDING SECTIONS

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		A-1.2
Start Date:	12/21/2023		

29-Apr-24 2:01 PM

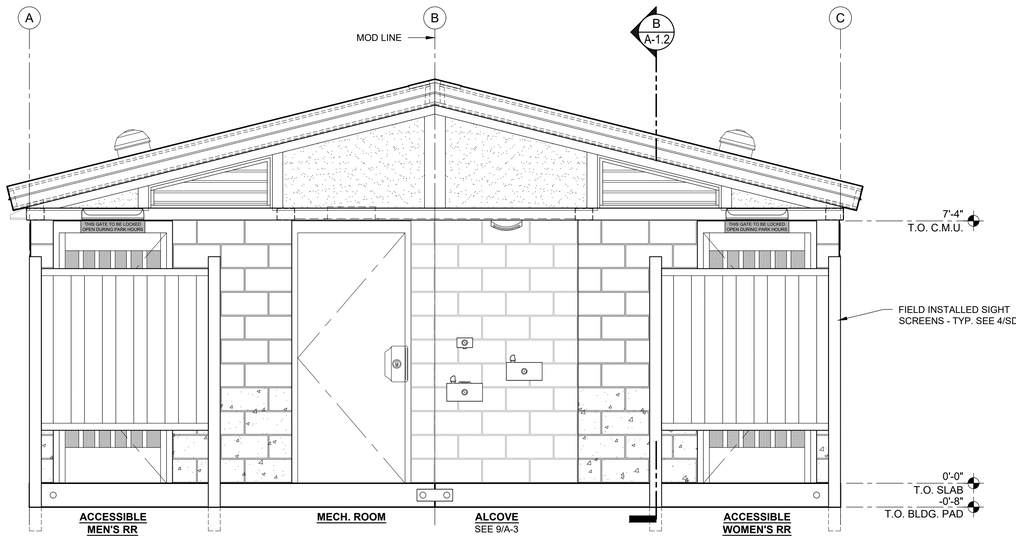
CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

EXTERIOR FINISH SCHEDULE

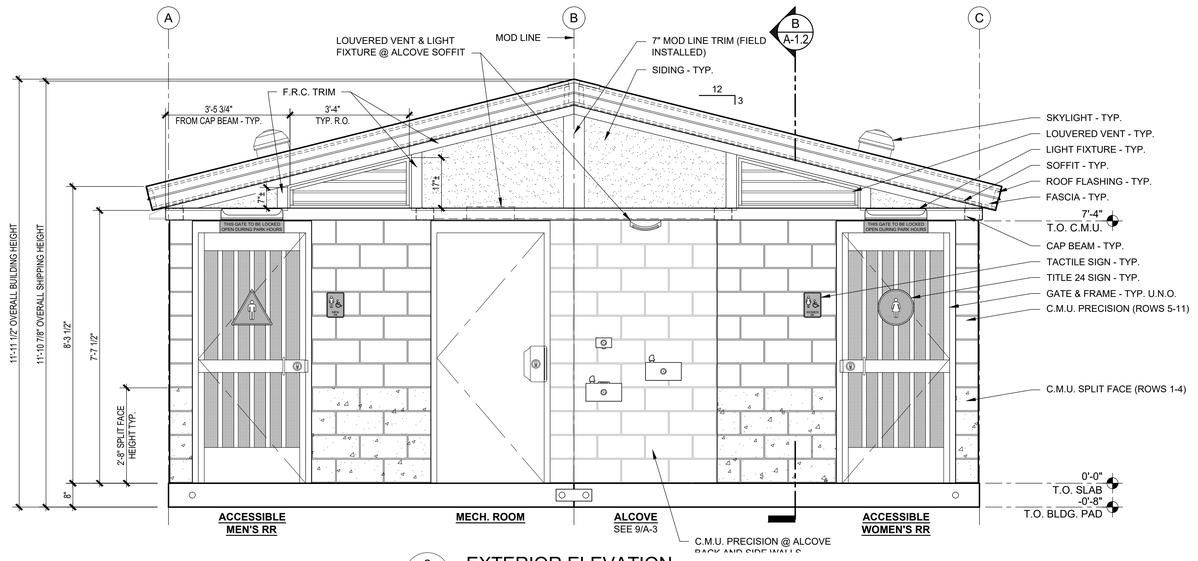
TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
TO CAP BEAM				
C.M.U.	C.M.U. - SPLIT FACE (COURSES 1-4)	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
	C.M.U. - PRECISION (COURSES 5-11)	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
ALCOVE BACK & SIDE WALLS	C.M.U. - PRECISION	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM				
F.R.C. SIDING	TEXTURED FINISH	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
LOUVERED VENTS	FRAME - 1" x 5 1/2" F.R.C. TRIM BOARDS - WOOD GRAIN PATTERN	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
	LOUVERED VENT & FRAME - PREMANUFACTURED ALUMINUM			

TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
ROOF				
ROOFING	26 GA. 16" STRIATED STANDING SEAM METAL ROOF PANELS	PREFINISHED	METAL SALES - IMAGE II / OCEAN BLUE (35)	OVER ICE & WATER SHIELD HT
ROOF FLASHING	26 GA. METAL	PREFINISHED	METAL SALES - IMAGE II / MATCH ROOFING COLOR	-
FASCIA	16 GA. METAL	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
SOFFITS (INCLUDING ALCOVE)	F.R.C. PANEL SIDING - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
DOORS, GATES & FRAMES				
DOORS / GATES	HOLLOW METAL / STEEL	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
FRAMES	HOLLOW METAL			
OTHER				
MISC. FLASHINGS	GALV. METAL OVER CAP BEAM & HORIZ. F.R.C. TRIM BOARDS	PAINTED	PITTSBURGH PITT-TECH / MATCH ADJACENT COLOR	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS



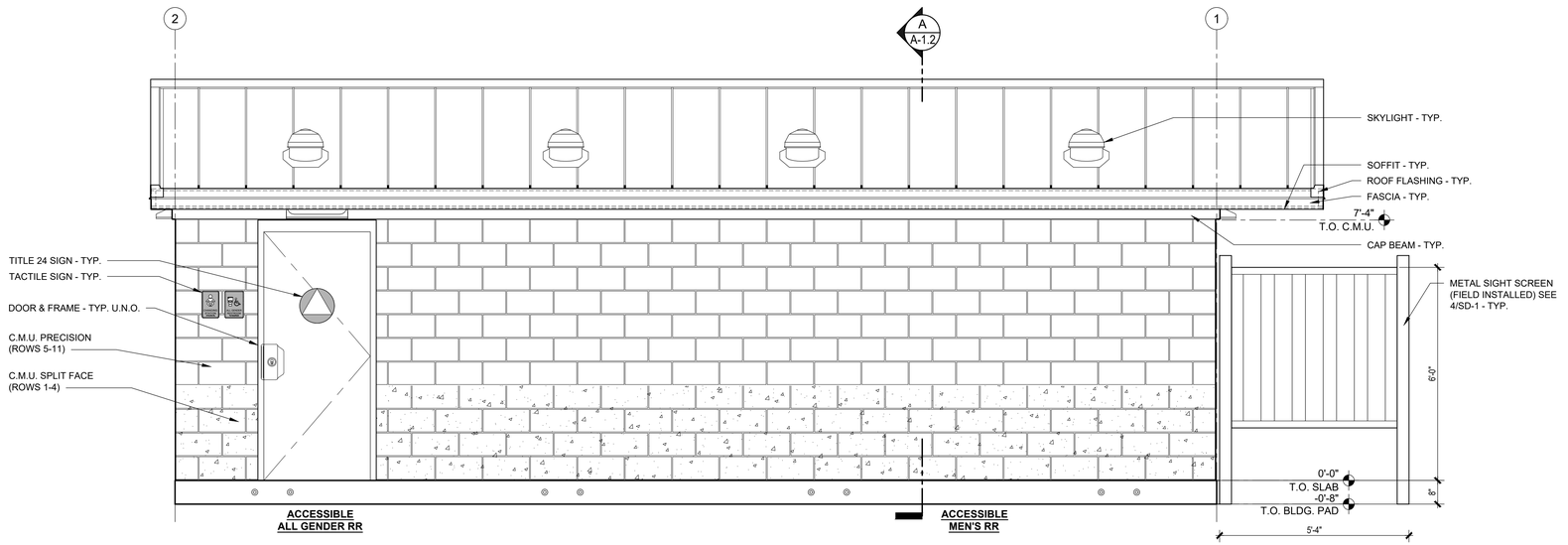
1 A-2 EXTERIOR ELEVATION

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



2 A-2 EXTERIOR ELEVATION

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



3 A-2 EXTERIOR ELEVATION

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REGISTERED PROFESSIONAL ENGINEER — JOHN M. TAYLOR — No. 90484 — CIVIL — STATE OF CALIFORNIA — EXP: 06.30.2024

04/29/24

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No.	Description	Date

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
EXTERIOR ELEVATIONS & FINISH SCHEDULE

Drawn by:	DF	Job No.	11640
Checked by:	DC		A-2
Current Date:	04/29/2024		
Start Date:	12/21/2023		

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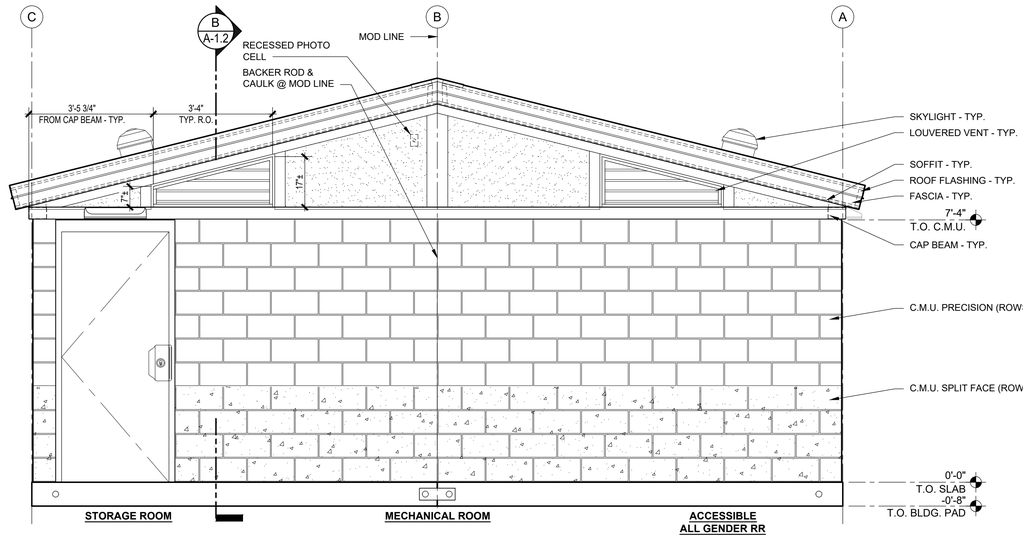
CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

EXTERIOR FINISH SCHEDULE

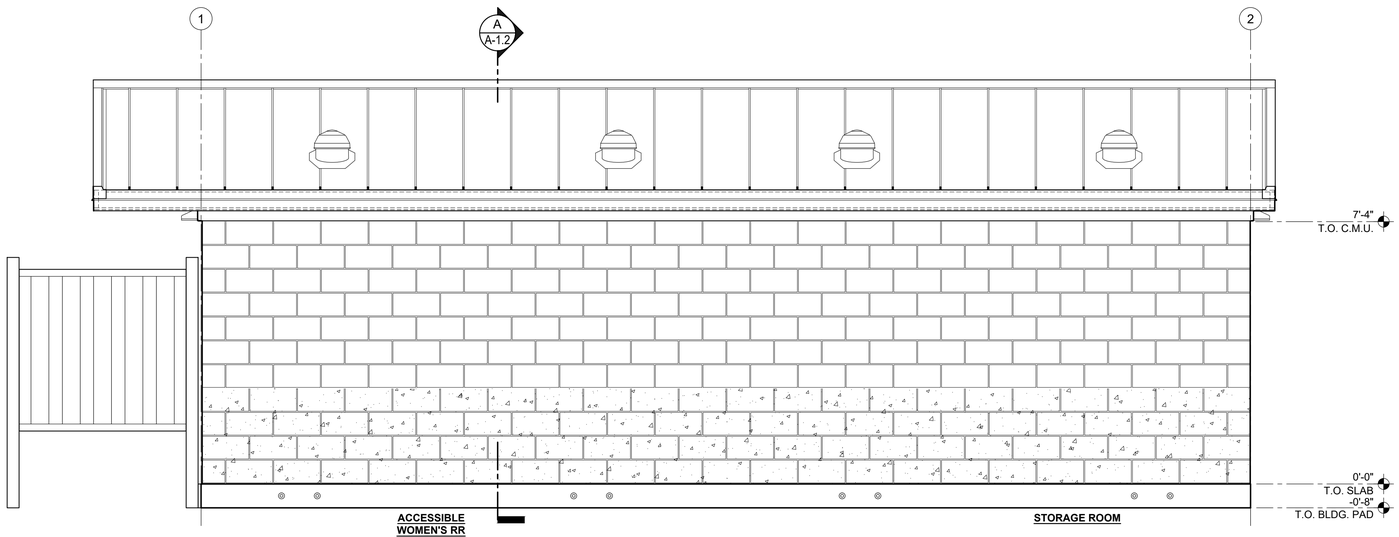
TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
TO CAP BEAM				
C.M.U.	C.MU. - SPLIT FACE (COURSES 1-4)	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
	C.M.U. - PRECISION (COURSES 5-11)	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
ALCOVE BACK & SIDE WALLS	C.M.U. - PRECISION	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM				
F.R.C. SIDING	TEXTURED FINISH	PAINTED	PITTSBURGH PITT-TECH / FOG PPG1010-2	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
LOUVERED VENTS	FRAME - 1" x 5 1/2" F.R.C. TRIM BOARDS - WOOD GRAIN PATTERN	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
	LOUVERED VENT & FRAME - PREMANUFACTURED ALUMINUM			

TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
ROOF				
ROOFING	26 GA. 16" STRIATED STANDING SEAM METAL ROOF PANELS	PREFINISHED	METAL SALES - IMAGE II / OCEAN BLUE (35)	OVER ICE & WATER SHIELD HT
ROOF FLASHING	26 GA. METAL	PREFINISHED	METAL SALES - IMAGE II / MATCH ROOFING COLOR	-
FASCIA	16 GA. METAL	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
SOFFITS (INCLUDING ALCOVE)	F.R.C. PANEL SIDING - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / GRAY STONE PPG1009-4	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
DOORS, GATES & FRAMES				
DOORS / GATES	HOLLOW METAL / STEEL	PAINTED	PITTSBURGH PITT-TECH / COLOR MATCH METAL SALES OCEAN BLUE (35)	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
FRAMES	HOLLOW METAL			
OTHER				
MISC. FLASHINGS	GALV. METAL OVER CAP BEAM & HORIZ. F.R.C. TRIM BOARDS	PAINTED	PITTSBURGH PITT-TECH / MATCH ADJACENT COLOR	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS



1 A-2.1 EXTERIOR ELEVATION

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



2 A-2.1 EXTERIOR ELEVATION

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

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REGISTERED PROFESSIONAL ENGINEER
DAVID M. TAYLOR
No. 90484
EXP: 06.30.2024
CIVIL
STATE OF CALIFORNIA
04/29/24

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No.	Description	Date

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04/29/2024

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
EXTERIOR ELEVATIONS & FINISH SCHEDULE

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		A-2.1
Start Date:	12/21/2023		

CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

29-Apr-24 2:01 PM

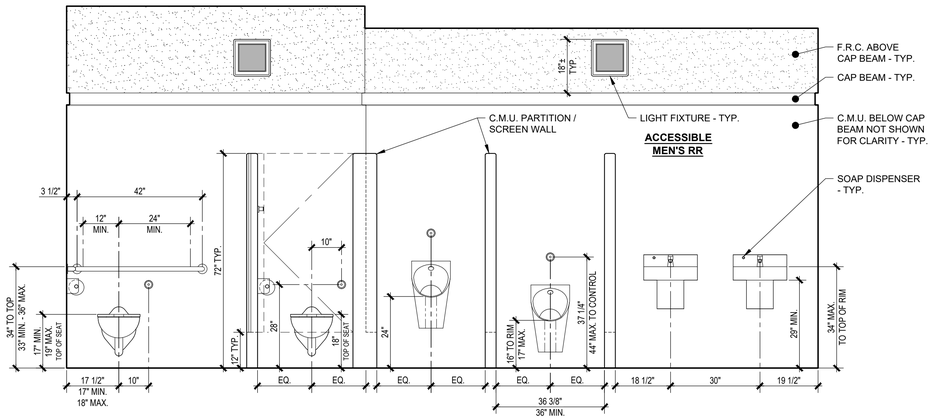
RESTROOM ACCESSORIES & SPECIALTIES

MOUNT WITH VANDAL RESISTANT SS SCREWS

ACCESSORIES	QTY	SIZE / STYLE	MANUF. / ITEM #	PRC#	FINISH / COLOR / STYLE	NOTES
GRAB BAR	3	42"	BOBRICK B-6806-42 (OR EQ.)	H1118	STAINLESS STEEL	MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.)
GRAB BAR	3	48"	BOBRICK B-6806-48 (OR EQ.)	H1119	STAINLESS STEEL	MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.)
TOILET PAPER HOLDER	7	VANDAL RESISTANT / SURFACE MOUNTED	ROYCE ROLLS TP-3	H1152	STAINLESS STEEL	MOUNT 30" A.F.F. TO TOP
BABY CHANGING STATION	1	SURFACE MOUNTED	FOUNDATIONS 200-EH-01	H1108	STAINLESS STEEL / GRAY POLY	MOUNT 34" MAX. A.F.F. TO TOP OF WORK SURFACE
HAND DRYER	5	SURFACE MOUNTED	DYSON AIRBLADE V	L1417	SPRAYED NICKEL	MOUNT 40" MAX. A.F.F. TO CONTROLS
UTILITY HOOK	7	SURFACE MOUNTED	BOBRICK B-670 (OR EQ.)	H1143	STAINLESS STEEL	MOUNT @ HEIGHT INDICATED ON ELEVATIONS
SOAP DISPENSER	5	SOAP VALVE / SURFACE MOUNTED	ASI #0353	H1421	POLISHED CHROME	MOUNT ON LAV. BACKSPLASH
	3	RESERVOIR SOAP TANK	PROPRIETARY	H1420	STAINLESS STEEL	MOUNT IN MECH. ROOM
TOILET PARTITION DOORS	6	WALL HUNG / SELF CLOSING GRAVITY HINGE	PAPERSTONE COMPOSITE	-	SLATE	-
SIGN - TACTILE "MEN" ACCESSIBLE	1	RECTANGULAR / RECESSED	SIGN ELEMENTS	H1200	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
SIGN - TACTILE "WOMEN" ACCESSIBLE	1	RECTANGULAR / RECESSED	SIGN ELEMENTS	H1209	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
SIGN - CA TITLE 24 PICTOGRAM "MEN"	1	12" TRIANGLE / SURFACE MOUNTED	SIGN ELEMENTS	H1300	ALUMINUM BLUE	MOUNT 59" A.F.F. TO CENTER - SEE SHEET A-2
SIGN - CA TITLE 24 PICTOGRAM "WOMEN"	1	12" CIRCLE / SURFACE MOUNTED	SIGN ELEMENTS	H1259	ALUMINUM BLUE	MOUNT 59" A.F.F. TO CENTER - SEE SHEET A-2
SIGN - TACTILE "ALL GENDER RESTROOM" ACCESSIBLE	1	RECTANGULAR / RECESSED	SIGN ELEMENTS	H1315	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
SIGN - CA TITLE 24 PICTOGRAM "BLANK"	1	12" CIRCLE / TRIANGLE - SURFACE MOUNTED	SIGN ELEMENTS	H1307	BLUE ON SILVER	MOUNT 59" A.F.F. TO CENTER - SEE SHEET A-2
SIGN - TACTILE "BABY CHANGING STATION"	1	RECTANGULAR - RECESSED	SIGN ELEMENTS	H1320	ALUMINUM BLUE	MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2
LOUVERED VENT	1	16" x 8"	SUNVENT #157FL	C1000	ALUMINUM / NATURAL	AT ALCOVE SOFFIT
LOUVERED VENT	1	16" x 8" w/ OBD	SUNVENT #157X	C1001	ALUMINUM / NATURAL	AT STORAGE / MECHANICAL ROOM WALL ABOVE CAP
SIGN - "THIS GATE TO BE LOCKED OPEN....."	2	RECTANGULAR	SIGN ELEMENTS	H1350	REVERSE BLUE	MOUNT @ GATE HEAD - SEE SHEET A-2

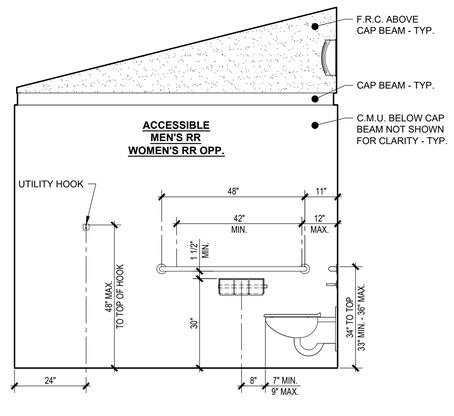
INTERIOR FINISH SCHEDULE

COMPONENT	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
FLOOR				
RESTROOMS	CONCRETE	POLYMER COATING	CROWN POLYMERS / GRAY	SKID RESISTANT COLOR CHIPS: A1435 BLUE BLEND #B22-2104
MECH. ROOM				
ALCOVE	CONCRETE	LIGHT BROOM / SEALED	NATURAL	INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE
WALLS				
RESTROOMS	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
MECH. ROOM	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT BLOCK FILLER, 1 COAT FINISH / SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
ABOVE CAP BEAM	WOOD SHEATHING	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
BEHIND & SIDE WALL OF MOP SINK	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	2 COATS BLOCK FILLER, 2 COATS FINISH / GLOSS
CEILING				
RESTROOMS	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS
MECH. ROOM	WOOD SHEATHING	PAINTED	PITTSBURGH PITT-TECH / PURE WHITE	1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS



1 A-3 INTERIOR ELEVATION

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



2 A-3 INTERIOR ELEVATION

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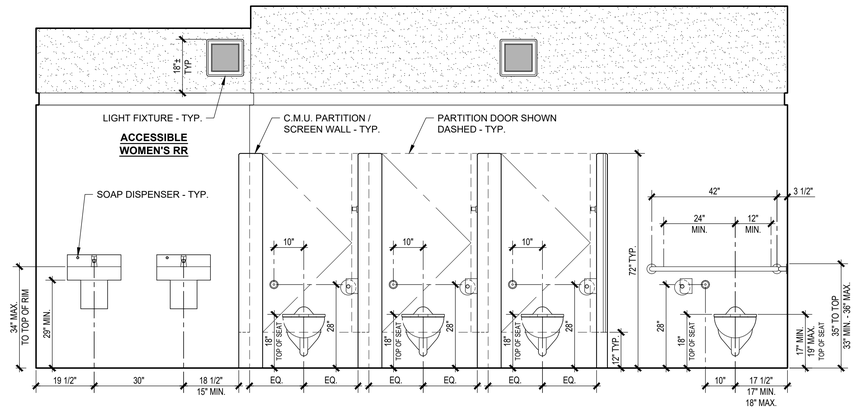

3 A-3 INTERIOR ELEVATION

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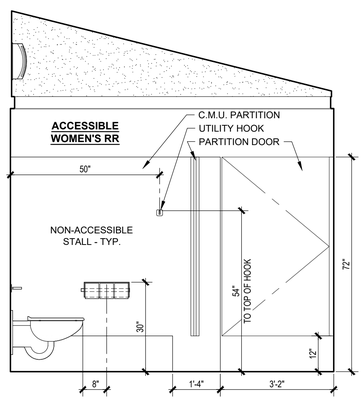

4 A-3 INTERIOR ELEVATION

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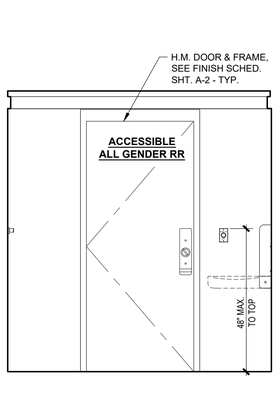
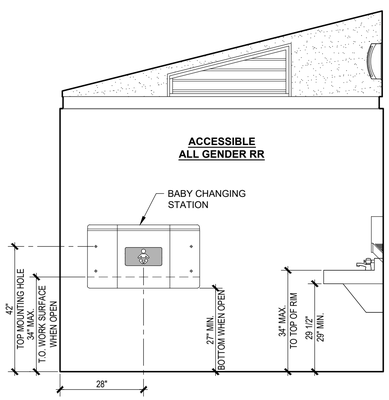


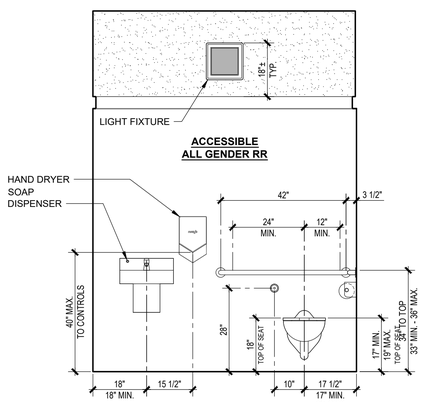
5 A-3 INTERIOR ELEVATION

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



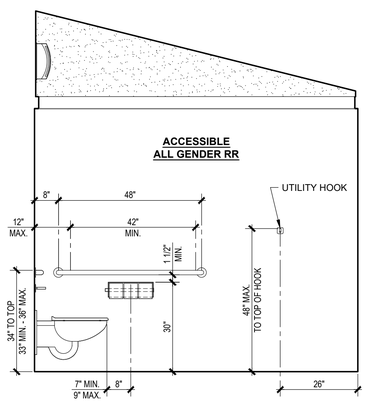
6 A-3 INTERIOR ELEVATION

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



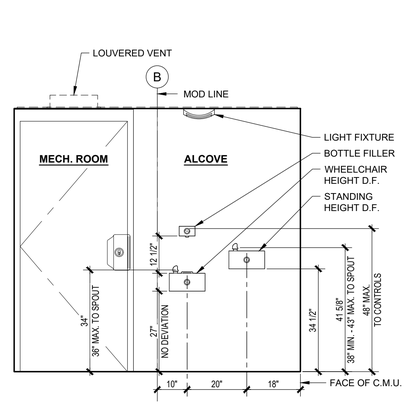
7 A-3 INTERIOR ELEVATION

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



8 A-3 INTERIOR ELEVATION

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



9 A-3 ALCOVE ELEVATION

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

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
04/29/2024

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Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
INTERIOR ELEVATIONS & SCHEDULES

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		A-3
Start Date:	12/21/2023		

CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

29-Apr-24 2:01 PM

PLUMBING COMPONENTS SCHEDULE

QTY.	COMPONENT	DESCRIPTION	PRC #
7	WATER CLOSET - Stainless Steel, Wall Mount	ACORN 1675-W-1-HET 1.28 GPF-FVBO-ADA-PFS-316SS	K1299
7	WATER CLOSET FLUSH VALVE - Lever	ZURN Z6143AV-HET-7L-BG	K1521
7	TOILET SEAT - Heavy Duty, Elongated, Open Front	BEMIS 1955SSCT 047 - BLACK	K1323
2	URINAL - Stainless Steel, Wall Mount, Rear Access	ACORN 1709-HEU-W-1-0.125-FVBO-316SS	K1199
2	URINAL FLUSH VALVE - Lever	ZURN Z6195AV-ULF-7L-BG	K1506
5	LAVATORY - Stainless Steel, Wall Mount, Front Access	ACORN 1652-FALRB-1-DMS-03-M-316SS	K1109
5	LAVATORY FAUCET - Chrome, Metered, Tempered	CHICAGO #333-E2805-665 PSHAB	K1604
5	FLOOR DRAIN - 2"	ZURN Z451-2ZN-IP2-P13 (1/2")	K1701
5	TRAP PRIMER	PROFLO #PFTP500	K1705
2	DRINKING FOUNTAIN - Stainless Steel, Wall Mount	HAWS #1109.14	K1430
1	BOTTLE FILLER - Stainless Steel, Wall Mount	HAWS #1920	K1435
1	STRAINER DRIP TRAY - Stainless Steel, D.F. Mount	HAWS #6469	K1440
1	MOP SINK - Mount On Riser, White	MUSTEE 63M - 24" x 24" x 10"	K1158
1	MOP SINK FAUCET - Chrome, Wall Mount	AMERICAN STANDARD #8344.212	K1610
1	MOP HANGER - Stainless Steel, Wall Mount	PROFLO PF245 - THREE BRACKET HANGER	K1680
2	HOSE BIBB - Interior, Mech. Room	ACORN #8121-LF	K1575
1	HOSE REEL - Interior	STRONGWAY #46434 (OR EQ.)	K1595.5
1	HOSE - Interior, Heavy Duty	TEKNOR APEX 5/8" x 100' #8617-100 (OR EQ.)	K1596.7
1	WATER HEATER - Electric, Tank, Low Boy, 20 Gallon	AO SMITH DEL-20 (OR EQ.) - SINGLE ELEMENT	-
3	THERMOSTATIC VALVE - Mixing Valve	ACORN MODEL #ST70-12	K1615
1	HOT WATER CIRCULATION PUMP	GRUNDFOS UP-10-16APMBU/LC 1/2" PUMP w/ 1/2" UNION	-
1	EXPANSION TANK - 2 Gallon	PROFLO #PFXT5 (OR EQ.)	K1690
1	CHECK VALVE - 3/4" - Spring Type, Sweat	NIBCO #S-480-Y-LF	-
1	PRESSURE GAUGE - 100 psi.	PROFLO PFXPG100K (FOR DOWNSTREAM)	K1689
1	PRESSURE GAUGE - 200 psi.	PROFLO PFXPG200K (FOR UPSTREAM)	K1689.5
1	CHECK VALVE - 2" - Spring Type, Sweat	NIBCO S480Y-LF	K1569.7
1	PRESSURE REDUCING VALVE - 2"	WATTS LF25AUB-Z3	K1555
2	WATER FILTER - 1 1/2"	KEYSTONE CG10	K1591/92/94
1	BALL VALVE - 2"	NIBCO S-FP600A-LF	K1567
1	BALL VALVE - 1 1/4" - Prep for Future Tank	NIBCO S-FP600A-LF	K1563
4	HAMMER ARRESTOR	FNWX10PG	K1590
1	VENT CAP	JAY R SMITH 1748	K1582
1	CURB STOP - 2"	MUELLER (OR EQ.)	K1586

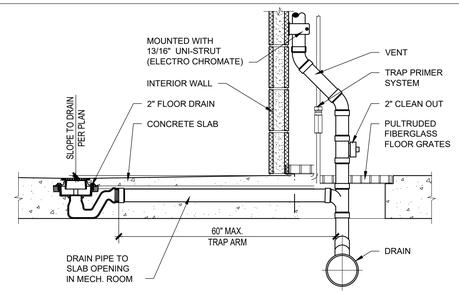
PIPE SCHEDULE

TYPE OF SERVICE		PEX PIPE	TYPE "L" COPPER	TYPE "K" COPPER	SCHED. 40 PVC WATER	CAST IRON "NO HUB"	SCHED. 40 PVC DWV	SCHED. 40 ABS DWV
WATER	ABOVE GROUND		✓					
	BELOW GROUND			✓				
SANITARY DRAINAGE	ABOVE GROUND						✓	
	BELOW GROUND							✓
SANITARY VENT	ABOVE GROUND						✓	
	ABOVE ROOF					✓		

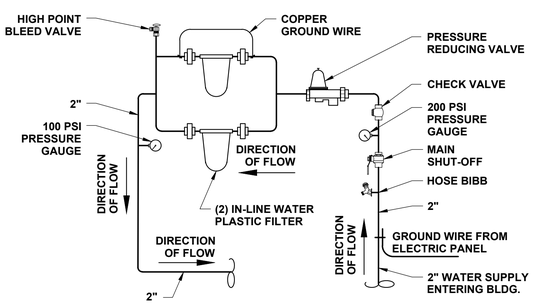
NOTES:

MAX. FLOW AND WATER CONSUMPTION:

- WATER CLOSET FLUSH VALVE SHALL NOT EXCEED 1.28 gpf.
- URINAL FLUSH VALVE SHALL NOT EXCEED .125 gpf.
- LAVATORY METERING FAUCETS SHALL NOT EXCEED 0.20 gal. PER CYCLE.

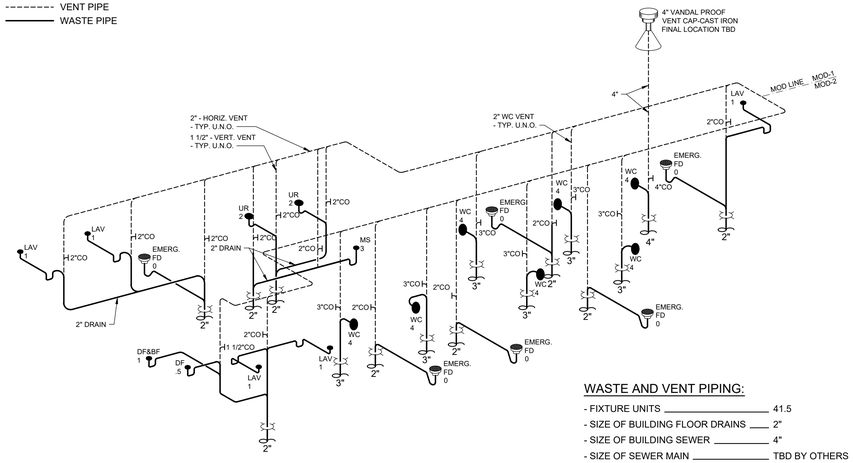


FLOOR DRAIN DETAIL



PRV & FILTER COMBO MANIFOLD

LEGEND:
CO = CLEAN OUT
VENT PIPE
WASTE PIPE



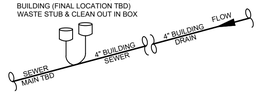
WASTE AND VENT PIPING:

- FIXTURE UNITS _____ 41.5
- SIZE OF BUILDING FLOOR DRAINS ___ 2"
- SIZE OF BUILDING SEWER _____ 4"
- SIZE OF SEWER MAIN _____ TBD BY OTHERS
- AGGREGATE AREA _____ 12.566 SQ. IN.

D.W.V. - ABOVE GROUND
D.W.V. - BELOW GROUND

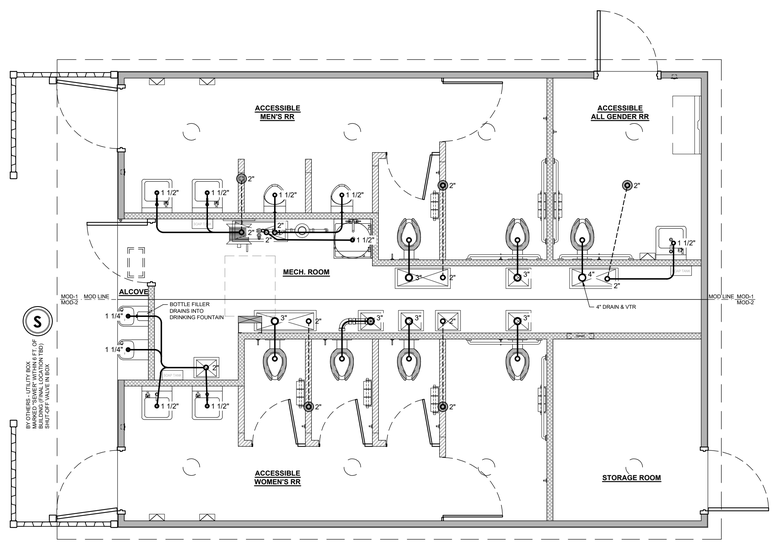
GENERAL NOTES:

- LOCATION / CONFIGURATION OF ALL PLUMBING COMPONENTS, AND PIPING IN THE MECH. ROOM ARE SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE, FINAL LOCATIONS TBD.
- CONTINUATION OF SEWER MAIN TO BE DONE ON SITE BY OTHERS.
- SLOPE ALL D.W.V. PIPING 1/4" PER FOOT.



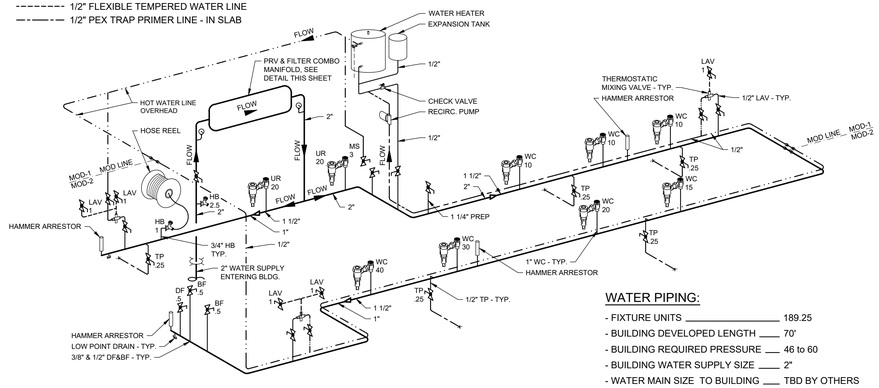
4 P-1 WASTE & VENT PIPING ISOMETRIC
SCALE: NOT TO SCALE

LEGEND:
WASTE PIPE - ABOVE GROUND
FLOOR DRAIN WASTE PIPE - IN SLAB



3 P-1 PLUMBING PLAN - WASTE
SCALE: NOT TO SCALE

LEGEND:
COLD WATER LINE - SIZE AS INDICATED
3/4" MAIN & 1/2" FIXTURE SUPPLY HOT WATER LINE - INSULATE HARD LINES
3/4" HOT WATER DEDICATED RETURN LINE - INSULATED
1/2" FLEXIBLE TEMPERED WATER LINE
1/2" PEX TRAP PRIMER LINE - IN SLAB



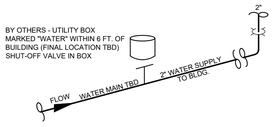
WATER PIPING:

- FIXTURE UNITS _____ 189.25
- BUILDING DEVELOPED LENGTH ___ 70'
- BUILDING REQUIRED PRESSURE ___ 46 to 60
- BUILDING WATER SUPPLY SIZE ___ 2"
- WATER MAIN SIZE TO BUILDING ___ TBD BY OTHERS
- TOTAL DEVELOPED LENGTH _____ TBD BY OTHERS
- SITE WATER PRESSURE _____ TBD BY OTHERS
- METER SIZE _____ TBD BY OTHERS
- DISTANCE TO METER _____ TBD BY OTHERS

WATER LINE - ABOVE GROUND
WATER LINE - BELOW GROUND

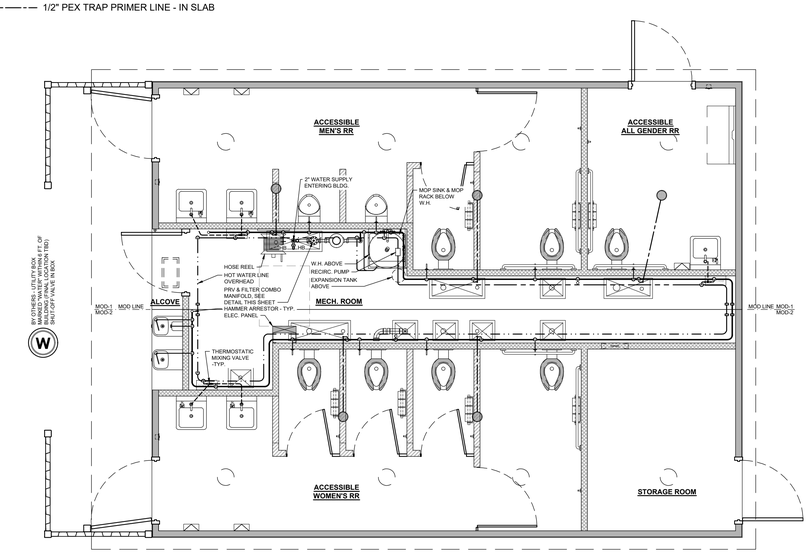
GENERAL NOTES:

- LOCATION / CONFIGURATION OF ALL PLUMBING COMPONENTS, AND PIPING IN THE MECH. ROOM ARE SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE, FINAL LOCATIONS TBD.
- CONTINUATION OF WATER MAIN TO BE DONE ON SITE BY OTHERS.
- SLOPE ALL WATER PIPING TO LOW POINT DRAINS FOR WINTERIZATION.
- WATER HEATER SHALL BE ANCHORED OR STRAPPED PER CODE.



2 P-1 WATER PIPING ISOMETRIC
SCALE: NOT TO SCALE

LEGEND:
COLD WATER LINE - SIZE AS INDICATED ON ISOMETRIC
3/4" MAIN & 1/2" FIXTURE SUPPLY HOT WATER LINE - INSULATE HARD LINES
3/4" HOT WATER DEDICATED RETURN LINE - INSULATED
1/2" FLEXIBLE TEMPERED WATER LINE
1/2" PEX TRAP PRIMER LINE - IN SLAB



1 P-1 PLUMBING PLAN - WATER SUPPLY
SCALE: NOT TO SCALE

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

No.	Description	Date

CONSTRUCTION DOCUMENTS
04/29/2024

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
PLUMBING PLANS & SCHEDULES

Drawn by:	DF	Job No.	11640
Checked by:	DC		P-1
Current Date:	04/29/2024		
Start Date:	12/21/2023		

29-Apr-24 2:01 PM

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CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

ELECTRICAL COMPONENTS SCHEDULE

SYMBOL	QTY.	RATING	DESCRIPTION	MODEL	HEIGHT	COMMENTS	PRC #
ELECTRICAL PANEL (PANEL)	1	100 AMP MAIN BREAKER	120/240V SINGLE PHASE - 3 WIRE, PLUG-ON BREAKERS, NEMA 1 ENCLOSURE	SQUARE D QO120M100P (OR EQUAL)	72" A.F.F. TOP OF PANEL	FURRED OUT AS NEEDED	L1902
LIGHT - EXTERIOR	4	10 WATTS	LED - WALL MOUNT, VANDAL RESISTANT, FULL CUT-OFF	LUMINAIRE AEL-12-NODIM-10W-4000K-120V-DP-BZH	SEE SHEET A-2	MOUNT ON CAP BEAM	L1153
LIGHT - EXTERIOR	1	15 WATTS	LED - SURFACE MOUNT, VANDAL RESISTANT	LUMINAIRE SWP610-NODIM-15W-4000K-120V-CP-BRZ	SEE SHEET A-2	MOUNT AT ALCOVE SOFFIT	L1163
LIGHT - RESTROOM (OCC)	5	25 WATTS	LED - SURFACE MOUNT, VANDAL RESISTANT	LUMINAIRE SWP1212-NODIM-25W-4000K-120V-OP-BRZ-OCC	SEE SHEET A-3 & A-3.1	BUILT-IN OCCUPANCY SENSOR	L1168
LIGHT - MECH. ROOM	3	15 WATTS	LED T8 (1) TUBE - SURFACE MOUNT, SEALED SHATTERPROOF PLASTIC HOUSING	GREENLIGHTING AL-41L	CEILING MOUNTED	-	L1107
LIGHT - STORAGE ROOM	1	30 WATTS	LED T8 (2) TUBE - SURFACE MOUNT, SEALED SHATTERPROOF PLASTIC HOUSING	GREENLIGHTING AL-42L	CEILING MOUNTED	-	L1108
EMERGENCY LIGHT	2	3 WATTS	LED - WALL MOUNT	LITHONIA MODEL #ELM2L (OR EQUAL)	ABOVE CAP BEAM	WIRE AHEAD OF SWITCH	L1198
SWITCH	2	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2W	48" A.F.F. TO TOP	(1) MECHANICAL ROOM LIGHTS, (1) BY PASS SWITCH FOR RR	L1868
SWITCH	1	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2R	48" A.F.F. TO TOP	BYPASS SWITCH - EXTERIOR LIGHTS	L1870
SWITCH S^2	1	-	DOUBLE POLE MANUAL ON/OFF SWITCH	LEVITON 1222-2W	48" A.F.F. TO TOP	BYPASS SWITCH - RESTROOM LIGHTS	L1872
SWITCH - OCC SENSOR (OCC)	1	-	SINGLE POLE SWITCH w/ OCCUPANCY SENSOR	LEVITON WHITE WALL SENSOR & SWITCH DECORA #ODS10-ID	48" A.F.F. TO TOP	STORAGE ROOM LIGHT	L1879
PHOTOCELL	1	1800 WATTS	NIGHTFOX WALL MOUNT ELECTRONIC PHOTOCONTROL, 120-277V	INTERMATIC EK4336S	SEE SHEET A-2	RECESSED ABOVE CAP BEAM	L1896
RECEPTACLE - DUPLEX GFCI	3	1500 WATTS	20 AMP, 125 VOLT GFCI DUPLEX RECEPTACLE	LEVITON GFNT2-W	PER PLAN	(1) IN 2-GANG BOX w/ SWITCH, (1) FOR RECIRC PUMP	L1876
HAND DRYER (HD)	5	1000 WATTS	SURFACE MOUNTED ELECTRIC	DYSON AIRBLADE V	40" MAX. A.F.F. TO CONTROLS	-	L1417
WATER HEATER - TANK, LOW BOY	1	6000 WATTS	20 GALLON COMMERCIAL ELECTRIC WATER HEATER	AO SMITH DEL-20 (OR EQ.) - SINGLE ELEMENT	-	STRAP PER CODE	-
ELECTROMAGNETIC DOOR LOCK	3	120 WATTS	MAGNALOCK, 1,200 LBS. HOLDING FORCE, SURFACE MOUNTED	SECURITRON M62 SYSTEM	-	INCLUDE BPS POWER SUPPLY, BATTERY BACK-UP & DT-7 TIMER	F1750,55,60,70
EMERGENCY EXIT BUTTON	3	-	TOUCH SENSOR "PUSH TO EXIT", HEAVY DUTY, VANDAL RESISTANT	SDC 463U	48" MAX. A.F.F. TO TOP	-	L1207
MOD LINE ELECTRICAL CONNECTOR	-	-	MOD LINE ELECTRICAL CROSS OVER CONNECTOR	AUTOMATION DIRECT STD SERIES	-	COMPONENTS & QUANTITIES AS NEEDED	-

LIGHTING CONTROLS SCHEDULE

AREA	CONTROLS
RESTROOMS	OCCUPANCY SENSOR BUILT-IN TO LIGHT FIXTURE / BYPASS SWITCH "ON" OVERRIDES OCCUPANCY SENSOR FOR MAINTENANCE
MECH. ROOM	MANUAL ON/OFF SWITCH (AREA HOUSES ELECTRICAL EQUIPMENT)
EXTERIOR	PHOTOCELL / BYPASS SWITCH "ON" OVERRIDES PHOTOCELL FOR MAINTENANCE
STORAGE ROOM	MANUAL ON/OFF SWITCH w/ OCCUPANCY SENSOR

NOTES:

1. ALL CONDUCTORS TO BE COPPER.
2. WIRING METHOD IN METALLIC CONDUIT: MC CABLE, EMT, METALLIC FLEX.
3. INSTALL CEE GROUND IN SLAB, TERMINATING IN MECH. ROOM.
4. GREEN GROUNDING CONDUCTOR IN ALL RACEWAYS.

PANEL SCHEDULE

120/240V - SINGLE PHASE - 3 WIRE

MAIN BREAKER: 100 AMP

MAIN SCCR: 22,000 / BRANCH AIR: 10,000 - SERIES RATED TO MAIN

CKT	DESCRIPTION	CIR. BREAKER TRIP AMPS	WIRE SIZE	TOTAL V.A.	TOTAL V.A.	WIRE SIZE	CIR. BREAKER TRIP AMPS	DESCRIPTION	CKT
1	WATER HEATER	40	8	3000	1000	12	20	HAND DRYER / MEN'S RR	2
3	" "	"	"	3000	1000	12	20	HAND DRYER / WOMEN'S RR	4
5	HAND DRYER / ALL GENDER RR	20	12	1000	1000	12	20	HAND DRYER / WOMEN'S RR	6
7	HAND DRYER / MEN'S RR	20	12	1000	1500	12	20	RECEPTACLE GFCI FOR RECIRC PUMP	8
9	EXTERIOR LIGHTS	20	12	55	120	12	20	ELECTROMAGNETIC DOOR LOCKS	10
11	RESTROOM LIGHTS	20	12	128	1500	12	20	RECEPTACLE DEDICATED GFCI (STORAGE ROOM)	12
13	MECHANICAL ROOM LIGHTS	20	12	45	33	12	20	STORAGE ROOM LIGHT	14
15					1500	12	20	DEDICATED GFCI RECEPTACLE	16
17									18
19									20

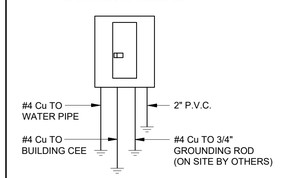
ELECTRICAL LOAD CALCULATIONS

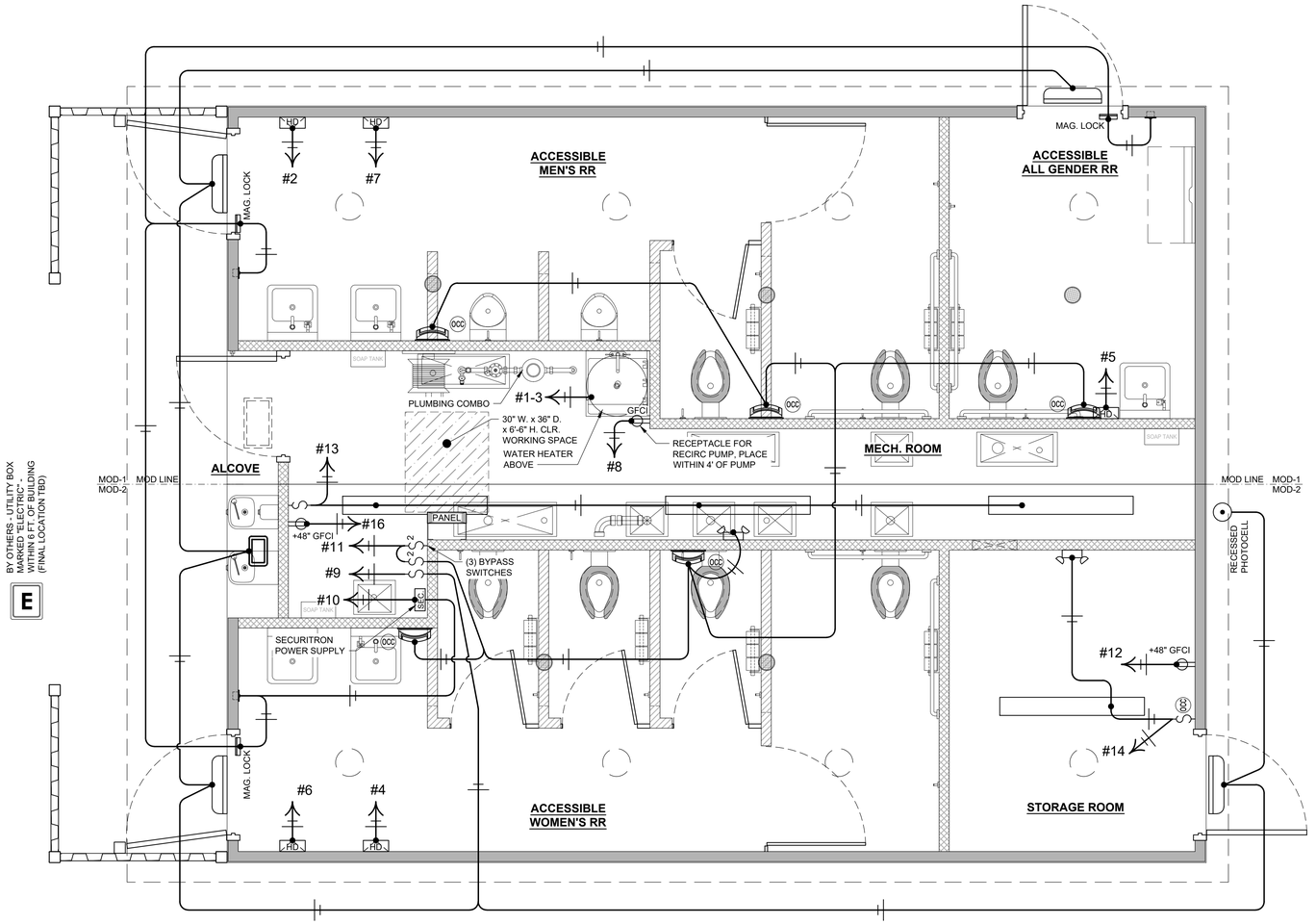
PANEL: 100 AMP 120/240V - SINGLE PHASE - 3 WIRE

COMPONENT	CONNECTED LOAD (V.A.)	CALCULATED LOAD (V.A.)	
EXTERIOR LIGHTING	55	CONNECTED LOAD x 1.25	68.75
INTERIOR LIGHTING	216	CONNECTED LOAD x 1.25	270.00
(1) HAND DRYER (LARGEST MOTOR)	1000	CONNECTED LOAD x 1.25	1250.00
(4) HAND DRYER	4000	CONNECTED LOAD x 1.00	4000.00
WATER HEATER	6000	CONNECTED LOAD x 1.25	7500.00
(3) DEDICATED GFCI RECEPTACLES	4500	CONNECTED LOAD x 1.00	4500.00
ELECTROMAGNETIC DOOR LOCKS	120	CONNECTED LOAD x 1.00	120.00
TOTAL LOAD	**15891**	**TOTAL LOAD**	**17708.75**
TOTAL CONNECTED LOAD KVA	**15.891**	**TOTAL CALCULATED LOAD** KVA	**17.709**
TOTAL CONNECTED LOAD AMPS	**66.213**	**TOTAL CALCULATED LOAD** AMPS	**73.786**

ONE-LINE DIAGRAM

100 AMP PANEL
MAIN BREAKER
120/240 1Ø , 3W
UFER GROUND REQUIRED





1 / E-1 ELECTRICAL PLAN
SCALE: NTS

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

GENERAL SHEET NOTE:
LOCATION OF ALL ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

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CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

No.	Description	Date

CONSTRUCTION DOCUMENTS
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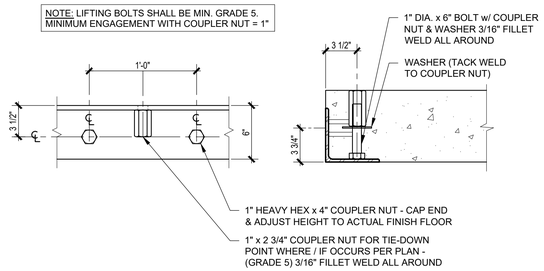
PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

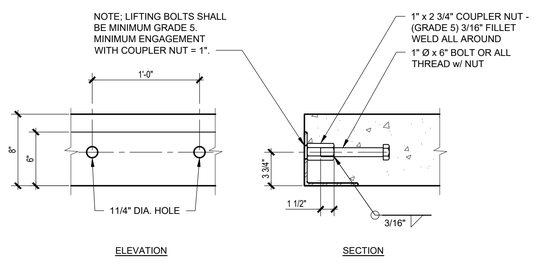
SHEET TITLE:
ELECTRICAL PLAN & SCHEDULES

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		E-1
Start Date:	12/21/2023		



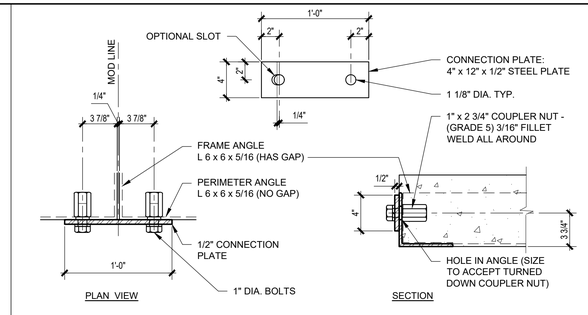
2 / S-1 TOP RIGGING EMBEDDED ANCHOR DET.

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



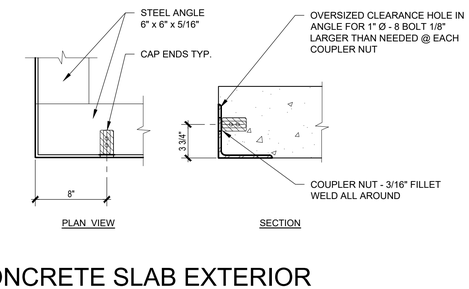
3 / S-1 SIDE RIGGING EMBEDDED ANCHOR DET.

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



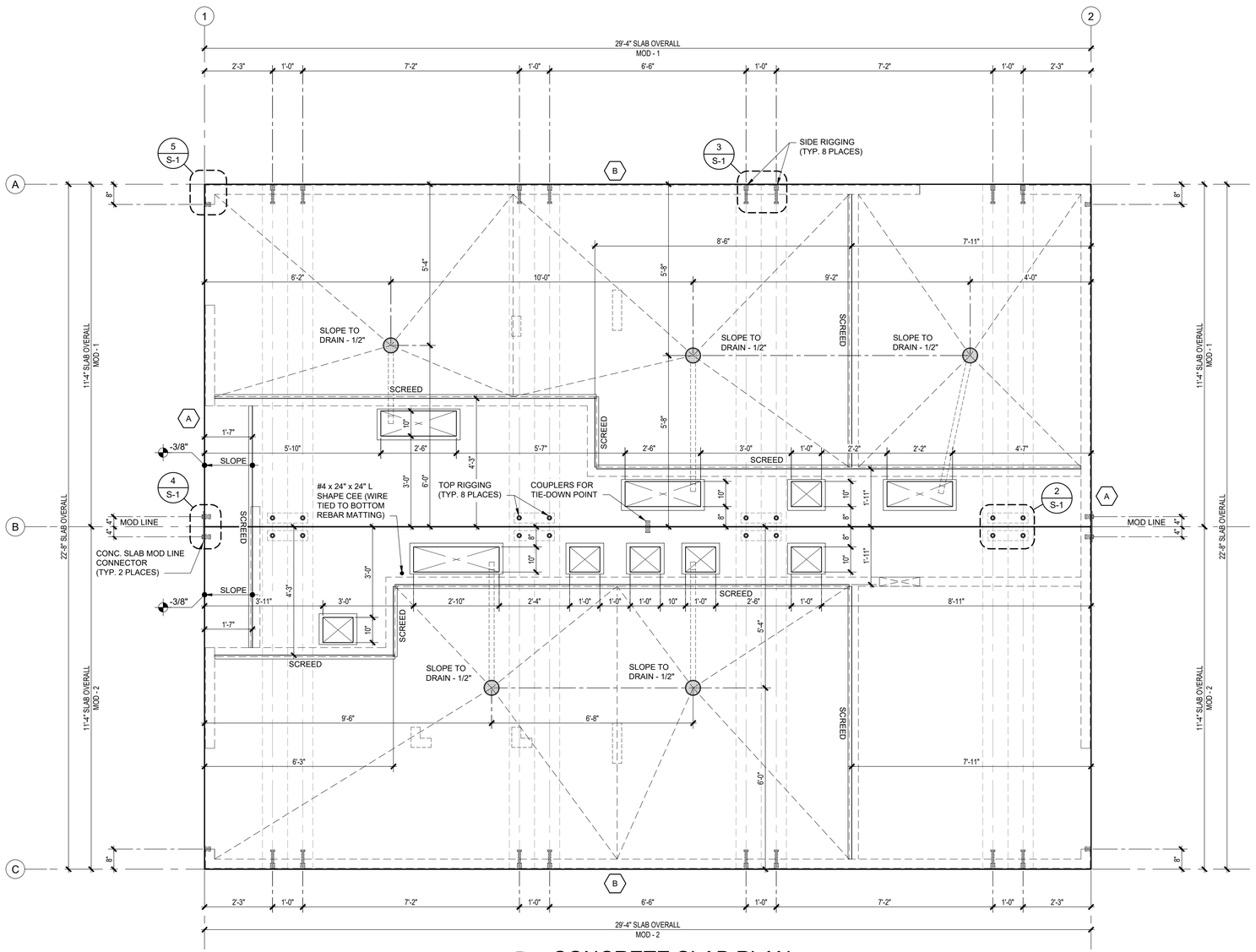
4 / S-1 CONCRETE SLAB MOD LINE CONN. DET.

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



5 / S-1 CONCRETE SLAB EXTERIOR STEEL FRAME @ CORNER DETAIL

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



1 / S-1 CONCRETE SLAB PLAN

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

NOTES: (LIGHT WEIGHT CONCRETE)

1. ALL REBAR TO BE GRADE 60.
2. ALL WELDABLE REINFORCEMENTS TO BE ASTM A706.
3. CONCRETE STRENGTH BASIS DESIGN IS MIN. 2500 PSI WITH SPECIAL ADDITIVE.
4. MINIMUM CONCRETE COVER = 1 1/2" FOR #4 AND #5 BARS.TOP BARS MAY BE LOWER ONLY WHERE REQUIRED BY SPECIFIED SLOPES.
5. PROVIDE (2) #5 BARS @ 8" O.C. TOP & BOTTOM AT PERIMETER OF EACH SLAB & PROVIDE (3) #5 BARS @ 8" O.C. TOP & BOTTOM AT EACH LIFTING LOCATION.
6. TOP MAT: ADD TRIMMER BARS NEXT TO BLOCK OUTS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2". TRIMMER BARS EXTEND 18" PAST OPENING, OR TERMINATE WITH 90° HOOK AND 8" EXTENSION. CENTER OF TRIMMER BARS TO BLOCK OUTS TO BE 2", TYP.
7. PROVIDE (2) DIAGONAL 24" LONG #4 REBARS (1 @ TOP MAT & 1 @ BOTTOM MAT) @ EACH SLAB OPENING.
8. SMALL BLOCK OUTS (8" x 8" MAX.) MAY BE ADDED AS REQUIRED FOR SERVICES. ADD DIAGONAL TRIMMER BARS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2".
9. SPLICES: #4 BARS - 20" LAP
   #5 BARS - 24" LAP
10. PROTECT PIPE & FLOOR DRAINS THAT WILL BE ENCASED IN THE CONCRETE BY PROVIDING AN APPROVED WRAP.
11. ONLY WHERE NOTED, IT IS ACCEPTABLE TO NOTCH HORIZONTAL LEG OF PERIMETER ANGLE.
12. ALL EXPOSED FACES OF SLAB PERIMETER STEEL ANGLES SHALL RECEIVE GALVANIZING PAINT COATING.

FLOOR FINISH SCHEDULE:

- RESTROOMS, STORAGE & MECH. ROOM - POLYMER COATING / DO NOT SEAL FLOORS
- ALCOVE - LIGHT BROOM FINISH / SEALED

SLAB LOADS SCHEDULE

MARK	LOCATION	VERTICAL LOAD	LATERAL LOAD
A	WALL LINE (GRID) 1 & 2	406 plf	2439 lb
B	WALL LINE (GRID) A & C	524 plf	3036 lb

NOTE: SCHEDULE VALUES PER ASD LOAD COMBINATION

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REGISTERED PROFESSIONAL ENGINEER — DAVID M. TAYLOR — No. 60484 — EXP: 06.30.2024 — CIVIL — STATE OF CALIFORNIA

04/29/24

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24x36 SHEET = SCALE AS NOTED
11x17 SHEET = NTS

CONSTRUCTION DOCUMENTS - 04/29/2024

BUTTERFIELD PARK - Morgan Hill, CA

No.	Description	Date

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CONSTRUCTION DOCUMENTS
04/29/2024

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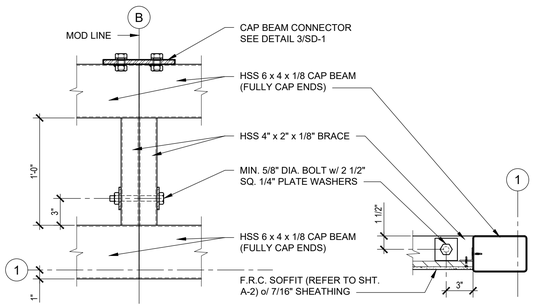
PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

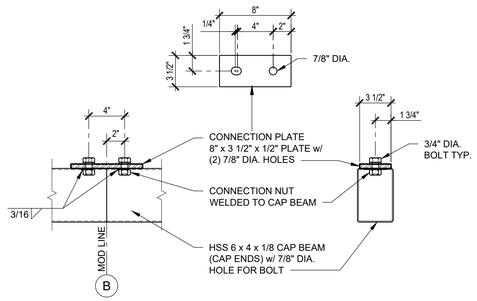
SHEET TITLE:
CONCRETE SLAB PLAN & DETAILS

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		S-1
Start Date:	12/21/2023		



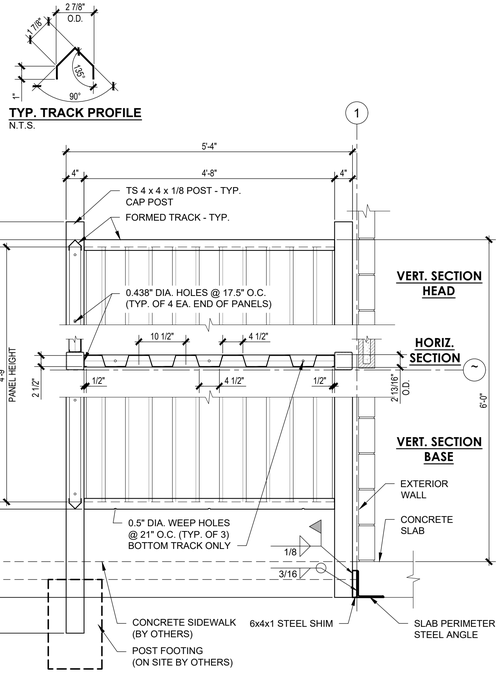
2 SD-1 CAP BEAM MOD LINE CONNECTION DET.

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



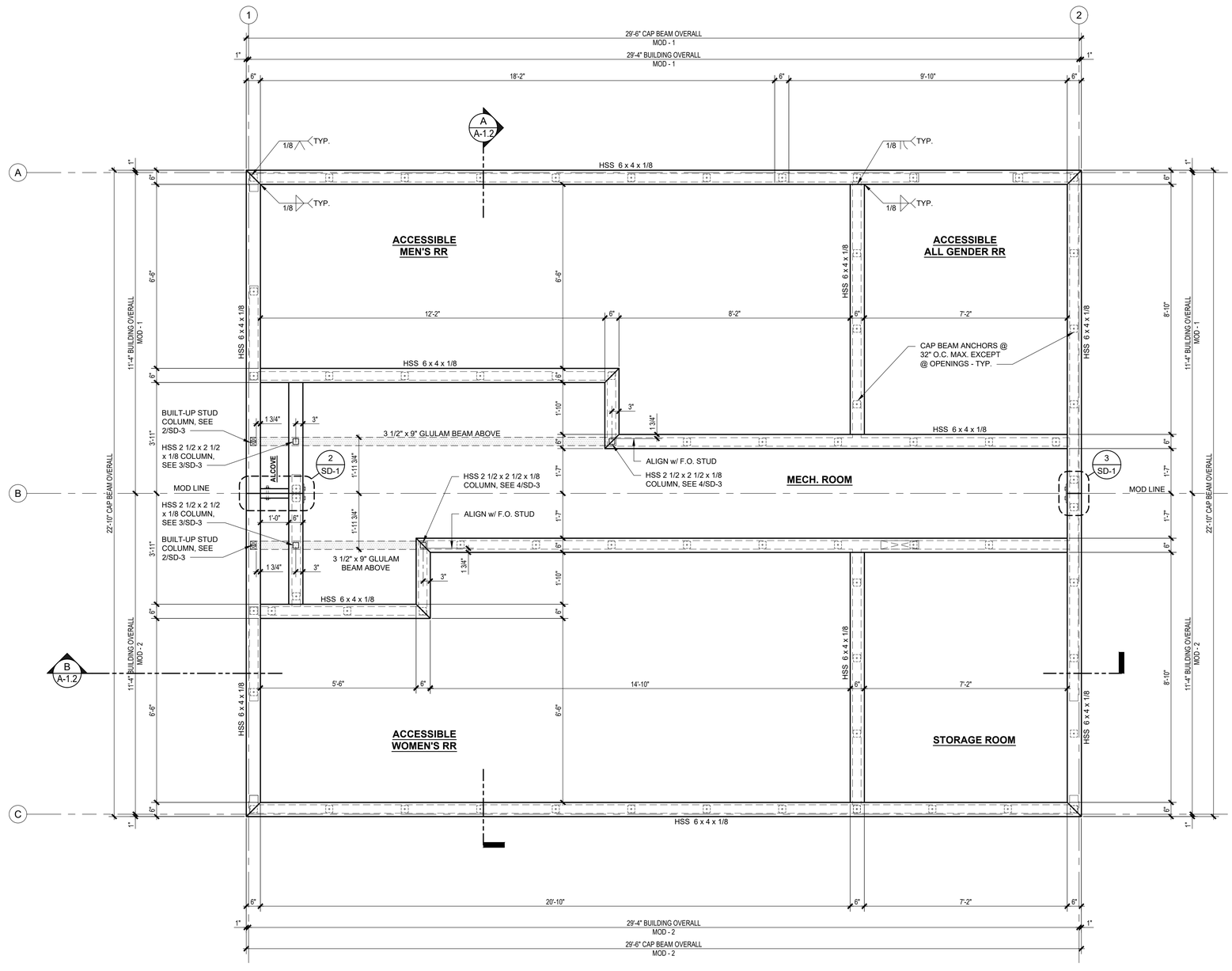
3 SD-1 CAP BEAM MOD LINE CONNECTION DET.

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



4 SD-1 METAL SIGHT SCREEN DETAILS

SCALE: 3/4"=1'-0"



1 SD-1 TOP OF WALL CAP BEAM PLAN

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

CAP BEAM NOTES:

1. ALL STEEL INTERSECTIONS ARE TO BE WELDED w/ 1/8" CONTINUOUS WELD.
2. CAP BEAM ANCHORS NOT TO EXCEED 32" O.C. SPACING EXCEPT @ OPENINGS.

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REGISTERED PROFESSIONAL ENGINEER
DAVID M. TAYLOR
No. 80484
EXP. 06.30.2024
CIVIL
STATE OF CALIFORNIA
04/29/24

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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
TOP OF WALL CAP BEAM PLAN &
P.R.C. STANDARD DETAILS

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		SD-1
Start Date:	12/21/2023		

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BUTTERFIELD PARK - Morgan Hill, CA

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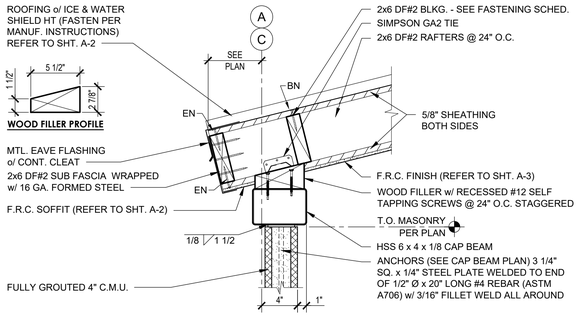
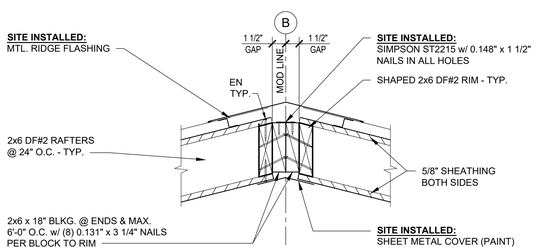
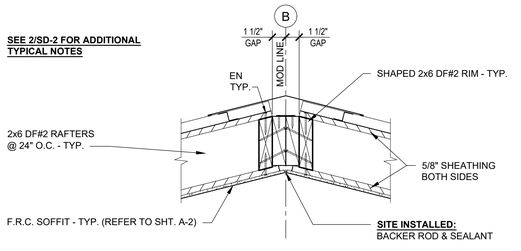


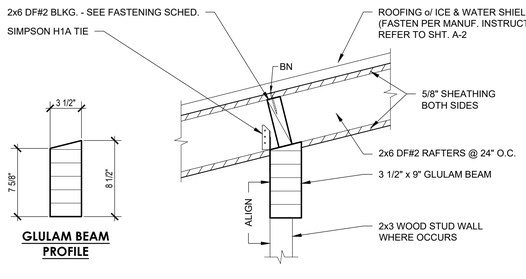
1 SD-2 **EXTERIOR WALL & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



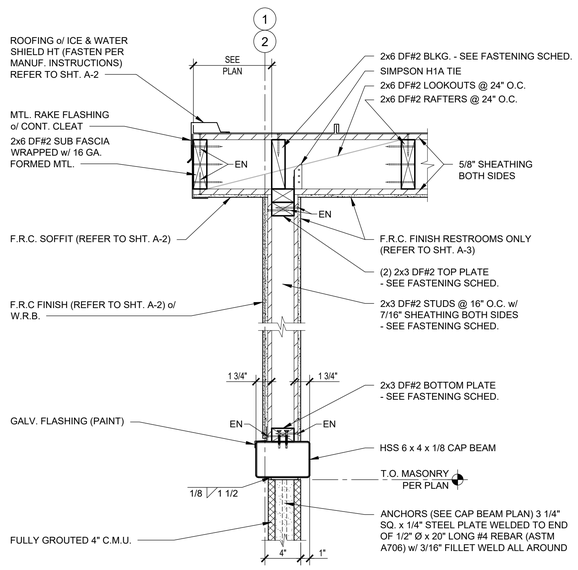
2 SD-2 **RIDGE DETAIL @ INTERIOR**
SCALE: 1 1/2"=1'-0"



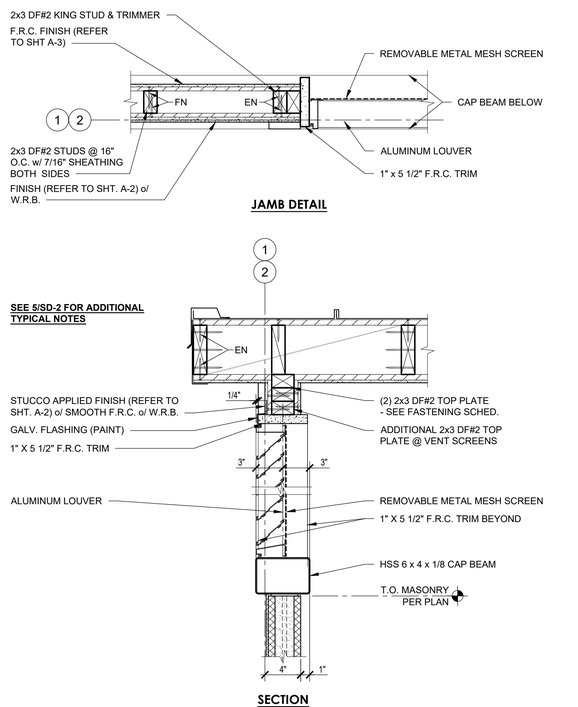
3 SD-2 **RIDGE DETAIL @ EXTERIOR**
SCALE: 1 1/2"=1'-0"



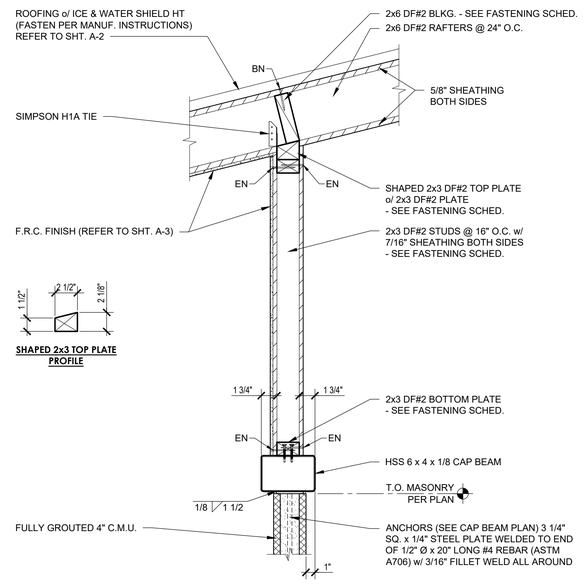
4 SD-2 **ROOF BEAM DETAIL**
SCALE: 1 1/2"=1'-0"



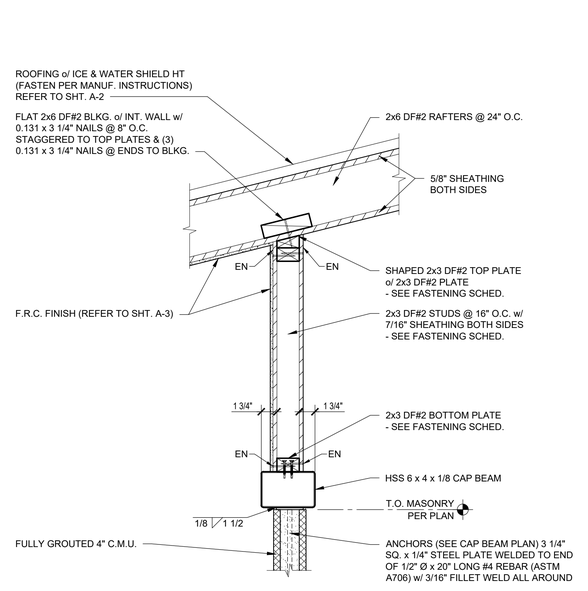
5 SD-2 **EXTERIOR WALL & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



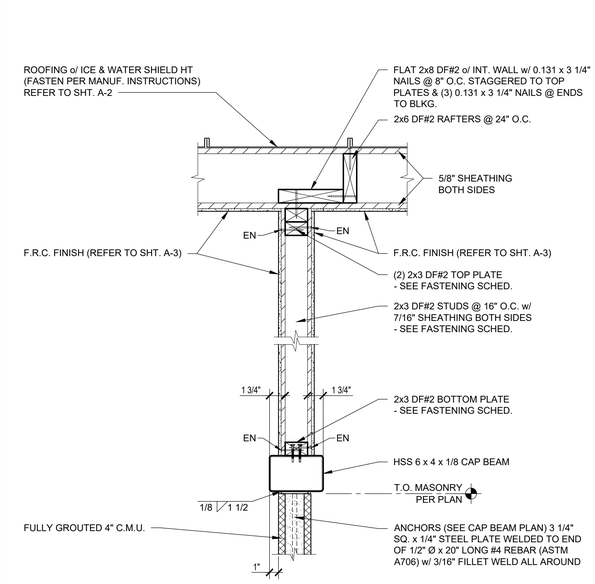
6 SD-2 **LOUVERED VENT & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



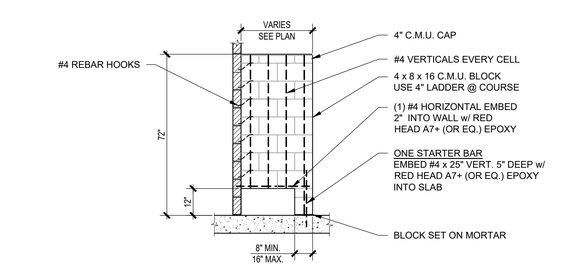
7 SD-2 **DEMISING (BEARING) WALL & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



8 SD-2 **DEMISING WALL & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



9 SD-2 **DEMISING WALL & ROOF FRAMING DET.**
SCALE: 1 1/2"=1'-0"



10 SD-2 **C.M.U. PARTITION / SCREEN WALL DETAIL**
SCALE: 3/8"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — DAVID M. TAYLOR — No. 80484 — EXP. 06.30.2024 — CIVIL — STATE OF CALIFORNIA
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PROJECT OWNER:
CITY OF MORGAN HILL
Morgan Hill, CA

PROJECT NAME AND LOCATION:
BUTTERFIELD PARK
Morgan Hill, CA

SHEET TITLE:
P.R.C.
STANDARD DETAILS

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		SD-2
Start Date:	12/21/2023		

CONSTRUCTION DOCUMENTS - 04/29/2024
BUTTERFIELD PARK - Morgan Hill, CA

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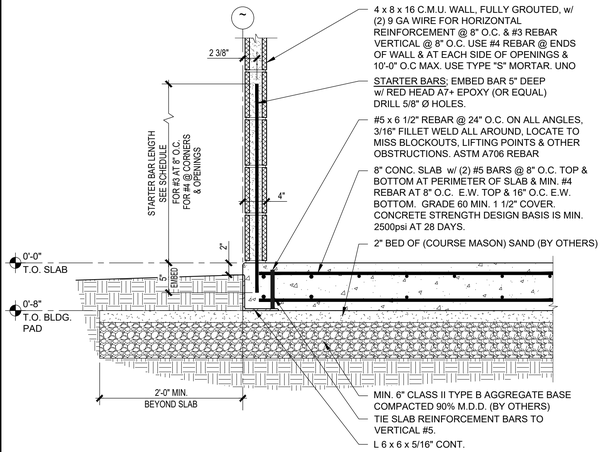
MASONRY DESIGN STRESS IS fm = 1500 PSI		
MASONRY UNITS	ASTM C 90 GRADE N-1	LIGHTWEIGHT MAS. DRY LOOSE BULK DENSITY 65 pcf
MORTAR	ASTM C 270 TYPE S	CLEAN SHARP SAND
GROUT	ASTM 476 OR EQUAL	6"-4" BLOCK -FINE

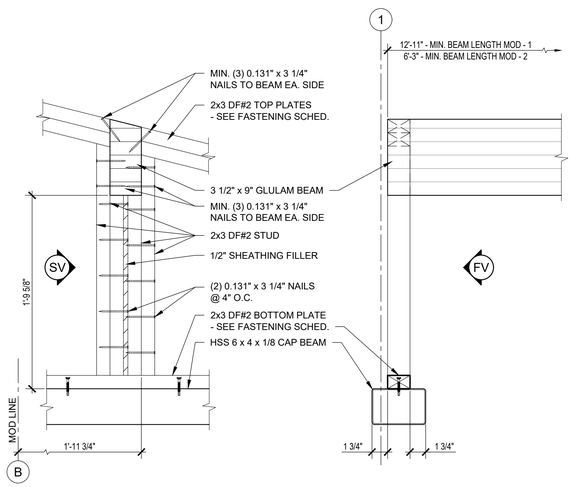
BAR Ø	MIN. EMBEDMENT (in)	MIN. OVERLAP / SPLICE (in)	MIN. REBAR LENGTH (in)
#3	5	18	23
#4	5	24	29
#5	5	30	35



1 SD-3 CONCRETE SLAB & C.M.U. WALL DETAIL

SCALE: 1"=1'-0"

SEE 4/SD-2 FOR GLULAM BEAM PROFILE

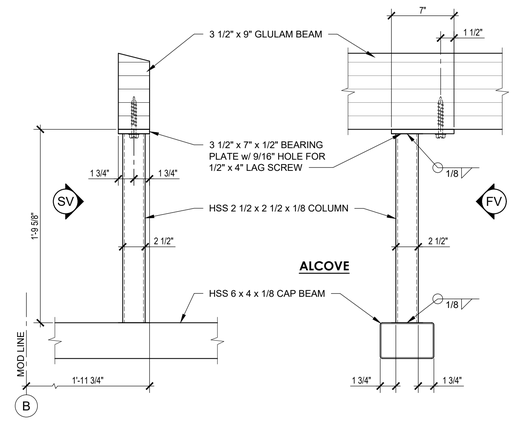


FRONT VIEW **SIDE VIEW**

2 SD-3 ROOF BEAM STUD COLUMN DETAIL

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

SEE 4/SD-2 FOR GLULAM BEAM PROFILE

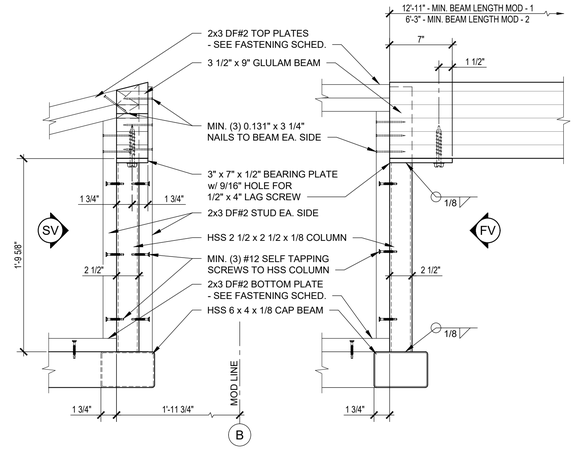


FRONT VIEW **SIDE VIEW**

3 SD-3 ROOF BEAM HSS COLUMN DETAIL

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

SEE 4/SD-2 FOR GLULAM BEAM PROFILE



FRONT VIEW **SIDE VIEW**

4 SD-3 ROOF BEAM HSS COLUMN DETAIL

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

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REGISTERED PROFESSIONAL ENGINEER — PHI M. TA — No. 90484 — EXP: 06.30.2024 — CIVIL — STATE OF CALIFORNIA

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Morgan Hill, CA

SHEET TITLE:
P.R.C.
STANDARD DETAILS

Drawn by:	DF	Job No.	11640
Checked by:	DC		
Current Date:	04/29/2024		SD-3
Start Date:	12/21/2023		

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BUTTERFIELD PARK - Morgan Hill, CA

SYMBOL LIST:

- PLAN, DETAIL OR SECTION DESIGNATION.
- 201 — ROOM NUMBER.
- SHEET REFERENCE SYMBOL - SEE ASSOCIATED NOTE ON SAME SHEET.
- FEEDER SCHEDULE SYMBOL.
- CH-1 — MECHANICAL EQUIPMENT TAG.
- A — INDICATES FIXTURE TYPE
- DEMO SHEET REFERENCE SYMBOL - SEE ASSOCIATED NOTE ON SAME SHEET.

LUMINAIRE SYMBOLS

- LUMINAIRE - SEE SCHEDULE.

SWITCH SYMBOLS

- $ — SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
- $a — SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX, a = CIRCUIT CONTROLLED.
- $3 — THREE WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
- $4 — FOUR WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.

RECEPTACLE SYMBOLS

- CONVENIENCE RECEPTACLE - DUPLEX AT + 18" AFF UON.
- GFCI CONVENIENCE RECEPTACLE - DUPLEX.
- RECEPTACLE - DOUBLE DUPLEX AT + 18" AFF UON.
- C — RECEPTACLE - DOUBLE DUPLEX ON CEILING
- SINGLE RECEPTACLE - NEMA 5-20R UON, AT + 18" AFF UON.
- SINGLE RECEPTACLE - NEMA L21 - 20B VOLT, THREE PHASE, 5 WIRE, AT + 18" AFF UON.

POWER DISTRIBUTION SYMBOLS

- PANELBOARD - SURFACE OR FLUSH MOUNTED.
- LCP — LIGHTING CONTROL CABINET.
- JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CEC, TAPE AND TAG WIRES.
- MAIN SWITCHBOARD OR DISTRIBUTION PANEL.
- M — MOTOR
- 30 — RATING AS INDICATED.
- 60 — UNFUSED DISCONNECT SWITCH - RATING AS INDICATED.
- 100 — FUSED DISCONNECT SWITCH - SIZE FUSES PER MOTOR MANUFACTURER'S RECOMMENDATIONS. RATING AS INDICATED.
- MAGNETIC STARTER - NEMA SIZE INDICATED.
- T — TRANSFORMER - SEE SINGLE LINE FOR REQUIREMENTS.
- GROUND ROD.
- P — IN-GRADE ELECTRICAL PULL BOX WITH TRAFFIC RATED LID.
- L — IN-GRADE LIGHTING PULL BOX WITH TRAFFIC RATED LID.
- S — IN-GRADE SIGANL PULL BOX WITH TRAFFIC RATED LID.

POWER DISTRIBUTION SINGLE LINE SYMBOLS

- DRAW-OUT CIRCUIT BREAKER.
- CIRCUIT BREAKER.
- FUSED SWITCH.
- M — "PG&E" METER W/ CURRENT TRANSFORMER.
- TRANSFORMER.
- NORMALLY OPENED, AUXILIARY CONTACT.
- NORMALLY CLOSED, AUXILIARY CONTACT.

WIRING & CONDUIT RUN SYMBOLS

- CONDUIT - CONCEALED IN WALLS OR CEILING.
- CONDUIT - EXPOSED.
- CONDUIT - IN OR BELOW FLOOR: lq3w/lq4s"MIN.
- #10 / #12 — CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES. CROSSHATCH WITH SUBSCRIPT "G" INDICATES GREEN GROUND WIRE. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSSHATCHES WITH "#10" INDICATES WIRE SIZE OTHER THAN #12'S.
- FLEX CONDUIT WITH CONNECTION.
- CONDUIT - STUB UP.
- CONDUIT - STUB DOWN.
- CONDUIT EMERGENCY SYSTEM.
- CAPPED CONDUIT.
- CONDUIT CONTINUATION.

IN-GRADE PULL BOXES

- L — IN-GRADE PULL BOX IDENTIFIED WITH "L" HAS A LID LABELED "LIGHTING".
- S — IN-GRADE PULL BOX IDENTIFIED WITH "S" HAS A LID LABELED "SIGNAL".
- P — IN-GRADE PULL BOX IDENTIFIED WITH "P" HAS A LID LABELED "ELECTRICAL".
- E — IN-GRADE PULL BOX IDENTIFIED WITH "E" HAS A LID LABELED "EMERGENCY LIGHTING".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN AREA OF NEW TRENCHING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. EXTREME CARE SHALL BE MAINTAINED DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN AREA. MODIFICATIONS TO EXISTING SYSTEMS MAY BE REQUIRED TO ACCOMMODATE NEW SYSTEM CONFIGURATION AND SHALL BE MADE BY THE CONTRACTOR WITHOUT EXTRA EXPENSE TO THE OWNER THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. THE CONTRACTOR SHALL EXAMINE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL NEW WORK.

GENERAL NOTES:

1. READ THE COMPLETE SPECIFICATIONS, CONTRACT DOCUMENTS AND COMPLY WITH EACH REQUIREMENTS.
2. THE COMPLETE ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE N.E.C., AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
3. THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF CALIFORNIA C-10 AND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
5. PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE, REVIEW THE EXISTING CONDITIONS AND ALLOW FOR LABOR, MATERIAL AND COORDINATION THAT IS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF EACH SYSTEM. THE CONTRACTOR SHALL OBTAIN AND BE FAMILIAR WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
7. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS. "AS-BUILT" DRAWINGS SHALL SHOW ACTUAL CHANGES TO ORIGINAL ELECTRICAL DRAWING, SHOW LOCATIONS OF PULLBOXES, CONDUIT RUNS AND WIRING CHANGES.
8. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE UL OR CSA LISTED AND SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
9. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK. THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICES ALERT" FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
11. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS. ALL EXTERIOR CONDUITS SHALL BE "GRC" GALVANIZED RIGID STELL CONDUIT UNLESS OTHERWISE NOTED ON DRAWINGS.
12. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM, TWO (2) #12S WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR "ROUGH" ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
14. ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN SELECTED BASED ON DIMENSIONS TO FIT THE SPACE, THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO ORDERING OF THE EQUIPMENT.
15. CONTRACTOR SHALL REVIEW EQUIPMENT REQUIREMENTS OF OTHER TRADES AND PROVIDE POWER CIRCUITS AND CONNECTIONS TO ELECTRICALLY OPERATED EQUIPMENT.
16. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS.
17. THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICES ALERT" FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
18. NEW DUCT ROUTES ARE APPROXIMATE ONLY AND MAY BE ADJUSTED IN THE FIELD TO CLEAR OTHER UNDERGROUND UTILITIES. PROVIDE AS-BUILT DRAWINGS TO INDICATE ACTUAL LOCATION OF CONDUIT ROUTING.
19. EFFECTIVELY BOND ELECTRICAL CABINETS, ENCLOSURES AND CONDUIT RACEWAYS TO CODE APPROVED GROUND AS PART OF THE CONTINUOUS GROUNDING SYSTEM.
20. FROM ALL NEW PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
21. UTILITY SERVICE WORK SHALL BE IN ACCORDANCE WITH THE SERVING UTILITY COMPANY'S RULES, REGULATIONS AND STANDARDS, AND SHALL BE VERIFIED WITH UTILITY COMPANY'S ENGINEERING DRAWINGS AND FIELD SUPERVISOR PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER, CATV AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS. THE CONTRACTOR SHALL REMAIN IN CONTACT WITH UTILITY COMPANY ENGINEERING DEPARTMENTS THROUGHOUT PROJECT TO INSURE COORDINATION AND SCHEDULING OF WORK.
22. THE CONTRACTOR SHALL PROVIDE IN EVERY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION. STRING SHALL BE NYLON PULLSTRING ROPE/STRING.
23. POWER FEEDERS MAY NOT BE SHOWN ON THE DRAWINGS, REFER TO THE SINGLE LINE DIAGRAM FOR CONDUIT AND FEEDER INFORMATION. ALL DRAWINGS ARE DIAGRAMMATIC INDICATING LOCATION OR POSITION OF EQUIPMENT. FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
24. MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE PROTECTION OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT. PROVIDE ELECTRICAL PROTECTION TO EQUIPMENT IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS AND PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
25. PROVIDE SEISMIC BRACING FOR ALL PENDANT LIGHT FIXTURES, FREESTANDING ELECTRICAL DISTRIBUTION EQUIPMENT, MOTOR CONTROL CENTERS ETC, AND CONDUIT RACKS PER SEISMIC CRITERIA 2022 CBC REQUIREMENTS INCLUDING ENGINEERED LOAD CALCULATIONS COMPLETE WITH SWAY BRACING CRITERIA.
26. DO NOT SUBSTITUTE SPECIFIED MATERIAL OR EQUIPMENT WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER OR HIS REPRESENTATIVE.
27. ALL SPACES ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARES AND BUSSING FOR FUTURE BREAKER OR SWITCH.
28. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 NATIONAL ELECTRICAL CODE AS AMENDED BY THE 2022 CALIFORNIA ELECTRICAL CODE.
29. SPLICE GROUND WIRE INSIDE ALL METAL ELECTRICAL PULL BOXES AND BOND TO METAL COVER WITH #6 CU GND.

ABBREVIATIONS

A	AMPERE
ABV	ABOVE
AF	AMP FRAME OR AMP FUSE
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CD	CANDELAS
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
CTR	CENTER
(D)	DEMOLISH
DET	DETAIL
DIM	DIMENSION
DISTR	DISTRIBUTION
DWG	DRAWING
(E)	EXISTING
EM	EMERGENCY
EQPT	EQUIPMENT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
(F)	FUTURE
FIN	FINISH
FL	FLOOR
G , GND	GROUND
HGT	HEIGHT
HP	HORSEPOWER
IC	INTERCOM
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
KAIC	KILOAMPERE INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LTG	LIGHTING
MCM	THOUSAND CIRCULAR MILS
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MH	MANHOLE
MTD	MOUNTED
MTG	MOUNTING
(N)	NEW
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NIEC	NOT IN ELECTRICAL CONTRACT
NO	NUMBER/ NORMALLY OPEN
NTS	NOT TO SCALE
O.C.	ON CENTER
P	POLE CIRCUIT BREAKER
PA	PUBLIC ADDRESS
PB	PULL BOX
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
(R)	EXISTING TO BE RELOCATED
REQD	REQUIRED
REQT	REQUIREMENT(S)
RM	ROOM
RSC	RIGID STEEL CONDUIT
SHT	SHEET
SW	SWITCH
SWBD	SWITCHBOARD
TC	TERMINAL CABINET
TEL	TELEPHONE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

SHEET NO.	ELECTRICAL SHEET TITLE
E0.1	GENERAL NOTES, SYMBOL LIST AND ABBREVIATIONS
E0.2	FIXTURE SCHEDULE AND LIGHTING CONTROL
E1.1	ELECTRICAL SITE PLAN
E2.1	ELECTRICAL PARTIAL SITE LIGHTING PLAN #1 (BMX TRACK)
E2.2	ELECTRICAL PARTIAL SITE LIGHTING PLAN #2 (PARKING LOT)
E3.1	ELECTRICAL PARTIAL SITE PLAN POWER (PARKING LOT)
E5.1	SINGLE LINE DIAGRAM
E6.1	ELECTRICAL DETAILS
E6.2	ELECTRICAL DETAILS
E6.3	ELECTRICAL DETAILS
E6.4	ELECTRICAL DETAILS

CITY COMMENT REVISIONS 5/17/24

GENERAL NOTES, SYMBOL LIST AND ABBREVIATIONS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Z:\Projects\Year 2023\EK23059_Butterfield Park @ Morgan Hill\E0.1_COVER SHEET.dwg

NO.	DESCRIPTION	DATE	BY
2	60% SUBMITTAL	8/21/23	VERDE
3	95% SUBMITTAL	11/28/23	VERDE
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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

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REGISTERED PROFESSIONAL ENGINEER E16890 Ca. 06/30/24 ELECTRICAL STATE OF CALIFORNIA

GENERAL NOTES, SYMBOL LIST AND ABBREVIATIONS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: E0.1

FIXTURE SCHEDULE

TYPE	LAMPS	LED DRIVER	MOUNTING	DESCRIPTION	WEIGHT
A	112W LED	0-10V DIMMING	MOUNTED ON A 21' POLE WITH A 3' BASE. TOTAL HEIGHT IS 24' WITH BASE. (1 / E8.4)	SINGLE HEAD POLE MOUNTED LED LUMINAIRE WITH A RECTANGULAR 21' POLE. HOUSING AND DOOR CONSTRUCTED OF LOW COPPER DIE CAST ALUMINUM ALLOY (A360) WITH DETACHABLE ARMS FOR QUICK MOUNTING. HEATSINK IS INTEGRAL TO THE HOUSING PROVIDING PASSIVE COOLING OF LEDS TO MAINTAIN LONG LED LIFE. LUMINAIRE HOUSING RATED TO IP65, LED MODULES RATED IP66, TESTED IN ACCORDANCE TO SECTION 9 OF IEC 60598-1 POLES SHALL BE 21' HIGH, 4" STRAIGHT SQUARE STEEL. THE POLE SHAFT SHALL BE A SINGLE PIECE 11 GAUGE CARBON STEEL. THE FORMED STEEL PLATE SHALL BE LONGITUDINALLY WELDED PROVIDING MINIMUM YIELD STRENGTH OF 46KSI. THE ANCHOR BASE SHALL BE A-36 STRUCTURAL CARBON STEEL WITH A MINIMUM YEILD STRENGTH OF 36KSI. THE BASE PLATE SHALL TELESCOPE INTO THE POLE SHAFT AND BE CIRCUMFERENTIALLY WELDED ON THE TOP AND BOTTOM. ANCHOR BOLTS SHALL BE PROVIDED WITH THE POLE. ANCHOR BOLTS SHALL MEET OR EXCEED YIELD STRENGTH OF 50,000PSI. EACH ANCHOR BOLT SHALL BE PROVIDED WITH ALL HARDWARE NECESSARY FOR POLE INSTALLATION. BASE COVER SHALL BE TWO PIECE AND CONCEAL THE ENTIRE BASE PLATE AND ANCHORAGE. POLE SHALL BE PROVIDED WITH A HANDHOLE 12" ABOVE THE BASE. HANDHOLE SHALL BE PROVIDED WITH A COVER PLATE AND ATTACHMENT SCREWS. POLE SHALL ALSO BE PROVIDED WITH A POLE TOP CAP. FINISH SHALL BE TGIC POLYESTER PONDER COAT ELECTROSTATICALLY APPLIED AND THERMALLY CURED AND SHALL BE WHITE IN COLOR. POLES SHALL BE FACTORY DRILLED FOR PROPER FIXTURE INSTALLATION. ALL POLES SHALL BE PROPERLY LEVELED AND VERTICAL. LIGHTING FIXTURE HEADS SHALL BE MOUNTED TO THE POLE PER THE MANUFACTURERS RECOMMENDATIONS. GARDCO - OPTIFORM OFF-M-AIO-840-T4M-ARI-UNV-BLSO-L3-WHITE OR APPROVED EQUAL POLE - KN 55P-5-11-WHITE-DM10-BC OR APPROVED EQUAL. 277VOLT	13 LBS
B	72W LED	N/A	MOUNTED ON A 15' POLE WITH FLUSHED POLE BASE (2 / E8.4)	POST TOP MOUNTED LED LUMINAIRE WITH A ROUND 15' POLE. LUMINAIRE FEATURES FLEXIBLE, ROBUST ENERGY-SAVING SOLUTIONS FOR MODERN-STYLED URBAN ARCHITECTURAL LIGHTING. WITH ITS SLIGHTLY ROUNDED HOOD, THE POST TOP MODEL COMES WITH A FLAT LENS TO HIGHLIGHT THE THINNESS OF THE LEDS. THE LUMINAIRE PROVIDES ATTRACTIVE LIGHTING AT NIGHT, ADDING APPEAL TO THE SURROUNDINGS AND PROMOTING SAFE USE OF THE ENVIRONMENT. POLES SHALL BE 15' HIGH, 4" STRAIGHT ROUND STEEL GALVANIZED FINISH POLE. THE POLE SHAFT SHALL BE A SINGLE PIECE 11 GAUGE CARBON STEEL. THE FORMED STEEL PLATE SHALL BE LONGITUDINALLY WELDED PROVIDING MINIMUM YIELD STRENGTH OF 46KSI. THE ANCHOR BASE SHALL BE A-36 STRUCTURAL CARBON STEEL WITH A MINIMUM YEILD STRENGTH OF 36KSI. THE BASE PLATE SHALL TELESCOPE INTO THE POLE SHAFT AND BE CIRCUMFERENTIALLY WELDED ON THE TOP AND BOTTOM. ANCHOR BOLTS SHALL BE PROVIDED WITH THE POLE. ANCHOR BOLTS SHALL MEET OR EXCEED YIELD STRENGTH OF 50,000PSI. EACH ANCHOR BOLT SHALL BE PROVIDED WITH ALL HARDWARE NECESSARY FOR POLE INSTALLATION. BASE COVER SHALL BE TWO PIECE AND CONCEAL THE ENTIRE BASE PLATE AND ANCHORAGE. POLE SHALL BE PROVIDED WITH A HANDHOLE 12" ABOVE THE BASE. HANDHOLE SHALL BE PROVIDED WITH A COVER PLATE AND ATTACHMENT SCREWS. POLE SHALL ALSO BE PROVIDED WITH A POLE TOP CAP. FINISH SHALL BE WHITE. POLES SHALL BE FACTORY DRILLED FOR PROPER FIXTURE INSTALLATION. ALL POLES SHALL BE PROPERLY LEVELED AND VERTICAL. LIGHTING FIXTURE HEADS SHALL BE MOUNTED TO THE POLE PER THE MANUFACTURERS RECOMMENDATIONS. LUMEC - URBANSCAPE LED POST TOP - MPTC-72WB2LED4K-LES-277-CDMSM25-PH8-WHTX MOTION RESPONSE - ACC-277-M4PW-WHTX OR APPROVED EQUAL POLE - KN RSP-15-4-11-WHT-TO OR APPROVED EQUAL. 277VOLT	92.2 LBS

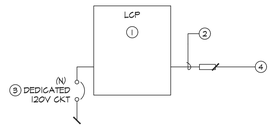
SITE LIGHTING SCHEDULE:

Relay #	Circuit	Description	LV Switch/Sensor	A	B	C	D	E	F	G	H
R1	MSB	PARKING LIGHT	VIA LCP			X					
R2	MSB	PEDESTRIAN LIGHT	VIA LCP			X					
R3		SPARE									
R4		SPARE									
R5		SPARE									
R6		SPARE									
R7		SPARE									
R8		SPARE									
R9		SPARE									
R10		SPARE									
R11		SPARE									
R12		SPARE									
R13		SPARE									
R14		SPARE									
R15		SPARE									
R16		SPARE									

Site Name: BUTTERFIELD PARK LCP SCHEDULE						
Channel	Description	Scenario *	On / Occupied at:	Off / Unoccupied at:	Flick ?	Time Delay
A	EXTERIOR	Auto On/Auto Off	Dusk On	9:00PM off	No	0 Min.
B	EXTERIOR	Auto On/Auto Off	Dusk On	12:00AM off	No	0 Min.
C	EXTERIOR	Auto On/Auto Off	Dusk On	Dawn off	No	0 Min.
D						
E						

NOTES:

1. LCP SHALL BE WATTSTOPPER #LMCP24EM, 120V PANEL. PANEL SHALL BE PROVIDED WITH 16 1-POLE RELAYS MINIMUM AND MOUNTED INSIDE NEMA-3R ENCLOSURE SECTION.
2. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR TO PROVIDE A COMPLETE FULLY OPERATIONAL SYSTEM WITH ALL CABLES CONNECTED.
4. CONTRACTOR SHALL COORDINATE THE LCP SCHEDULE WITH THE CITY PRIOR TO PROGRAMMING.



LCP RISER NOTES:

1. (N) LCP (LIGHTING CONTROL PANEL) IS LOCATED INSIDE THE NEMA-3R ELECTRICAL ENCLOSURE SECTION. SEE ELECTRICAL SITE PLAN FOR EXACT LOCATION OF THE NEMA-3R ELECTRICAL ENCLOSURE.
2. COORDINATE WITH WATTSTOPPER MANUFACTURER AND PROVIDE CABLES REQUIRED TO CONNECT TO CONTROL SWITCH. CABLES SHALL BE UNDERGROUND RATED AS NEEDED. ROUTING IS DIAGRAMMATIC.
3. ROUTE (N) ¾"C WITH (2)#12 AND (1)#12 GND. TO DIST. PANEL FOR POWER CONNECTION.
4. PROVIDE OVERRIDE SWITCH FOR CONTROL OF LIGHTS. PROVIDE IN NEMA-3R, LOCKABLE BOX. COORDINATE EXACT LOCATION WITH ARCHITECT.

1 / E0.2 LIGHTING CONTROL PANEL RISER DIAGRAM

NOT TO SCALE

CITY COMMENT REVISIONS 5/17/24

FIXTURE SCHEDULE & LIGHTING CONTROL

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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2	60% SUBMITTAL	8/21/23	VERDE
3	95% SUBMITTAL	11/28/23	VERDE
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SCOTT C. CREER
RCE 58879 EXP. DATE 6-30-2025

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REGISTERED PROFESSIONAL ENGINEER SCOTT C. CREER E16890 Exp. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

FIXTURE SCHEDULE & LIGHTING CONTROL
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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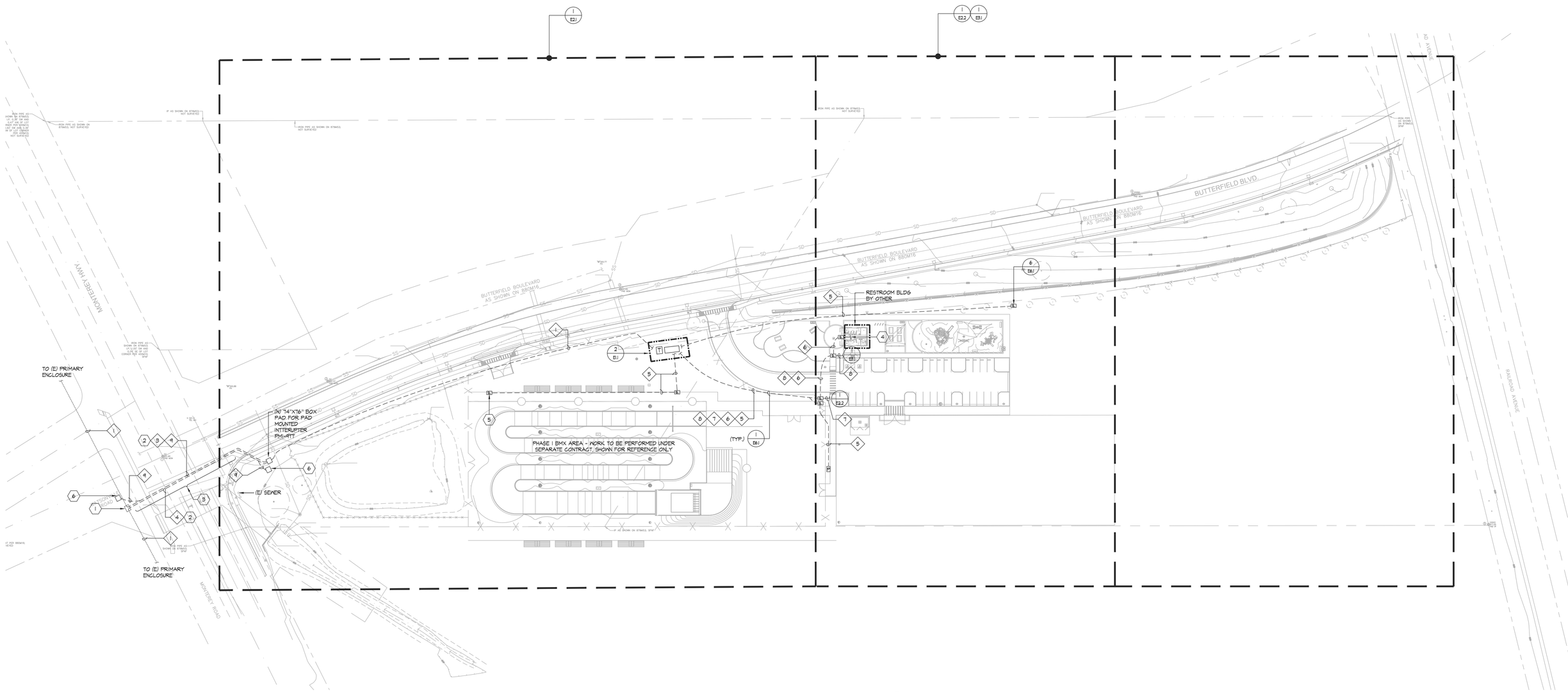
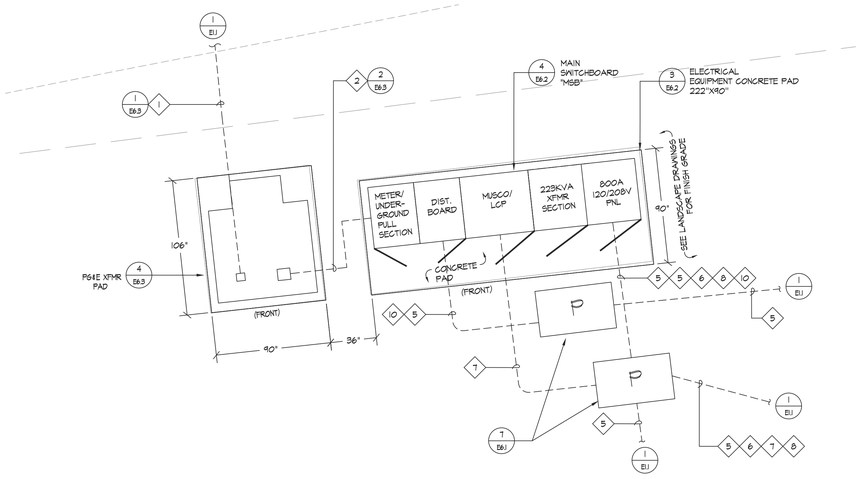


1 ELECTRICAL SITE PLAN

E1.1 SCALE: 1" = 50'-0"



2 ENGLARGED - SWITCHBOARD LAYOUT

E1.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
2. CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE (N) TRENCHWORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
3. SEE SINGLE LINE DIAGRAM FOR WIRE SIZES AND CONDUIT REQUIREMENTS.
4. CONTRACTOR TO COORDINATE SITE PLAN TO COMBINE ALL UNDERGROUND CONDUIT IN COMMON TRENCH AS NECESSARY.
5. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
6. ALL ELECTRICAL WORK SHALL BE INSTALLED PER 2022 CEC.
7. PRIOR TO ALL (N) TRENCHES, CONTRACTOR TO USE ALL (E) ELECTRICAL CONDUITS AND OTHER UTILITIES TO FAMILIARIZE THEMSELVES WITH THE FIELD CONDITIONS AND ADJUST (N) TRENCHES ACCORDINGLY.
8. IN-GRADE PULL BOX IDENTIFIED WITH 'P' SHALL HAVE LID LABELED 'ELECTRICAL'.
9. IN-GRADE PULL BOX IDENTIFIED WITH 'S' SHALL HAVE LID LABELED 'SIGNAL'.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
11. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL IN-GRADE PULL BOX WITH LANDSCAPE ARCHITECT. THE INTENT IS TO VOID RELOCATING PULL BOXES.
12. ALL POWER SYSTEM CONDUITS STUB IN "ELECTRICAL" PULL BOX AND ALL COMMUNICATION SYSTEMS CONDUIT IN "SIGNAL" BOXES AS REQUIRED BY CODE.
13. COORDINATE PULL BOX ORIENTATION WITH LANDSCAPE ARCHITECT TO BE SQUARE WITH SURFACE CURB, CONCRETE WALKWAY, DRAINAGE, ETC.
14. ALL PULL BOXES SHALL BE TRAFFIC RATED BB048 UNLESS OTHERWISE NOTED. SEE DETAIL FOR SPECIFICS.

GENERAL NOTES:

1. EXISTING 6" DUCTS FOR REROUTE PG&E PRIMARY TO (N) BOX PAD.
2. CONTRACTOR TO COMPLY WITH PG&E GREEN BOOK WHEN TRENCHING ACROSS STREET.
3. PRIOR TO TRENCHING ACROSS STREET, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN CITY PERMIT TO FACILITATE NEW PG&E SERVICE LINE.
4. LOCATE INTERCEPT AND EXTEND CONDUIT TO OUTGOING CONDUIT FROM RESTROOM BUILDING THAT IS STUBBED 5' FROM WALL.
5. COORDINATE WITH CITY/ ARCHITECT FOR FINAL LOCATION FOR BMX TRACK PANEL.
6. (N) N48 WITH METAL LIDS AND 4"CO. COORDINATE EXACT LOCATION , QUANTITY & REQUIREMENTS WITH CITY REPRESENTATIVE

CONDUIT SCHEDULE:

1. (1) 4"CO - PG&E PRIMARY
2. (2) 5"CO - PG&E SECONDARY
3. (2) 6"CO - SPARE
4. (2) 6"CO - PG&E PRIMARY
5. (2) 4"CO - POWER
6. (1) 2"CO - POWER - RESTROOM
   (1) 2"CO - SPARE
7. (2) 2"C - LIGHTING
   (1) 2"C - POWER - CAMERA
   (1) 2"CO - SPARE
8. (4) 2"C - EV CHARGER
   (2) 2"C - (F) EV CAPABLE CHARGER #1
   (2) 2"C - (F) EV CAPABLE CHARGER #2
9. (1) 4"CO (PVC-80) - SPARE FOR CITY FIBER NETWORK
10. (2) 2"CO - SPARE

CITY COMMENT REVISIONS 5/17/24

ELECTRICAL OVERALL SITE PLAN

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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ELECTRICAL SITE PLAN
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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SHEET NUMBER: E1.1

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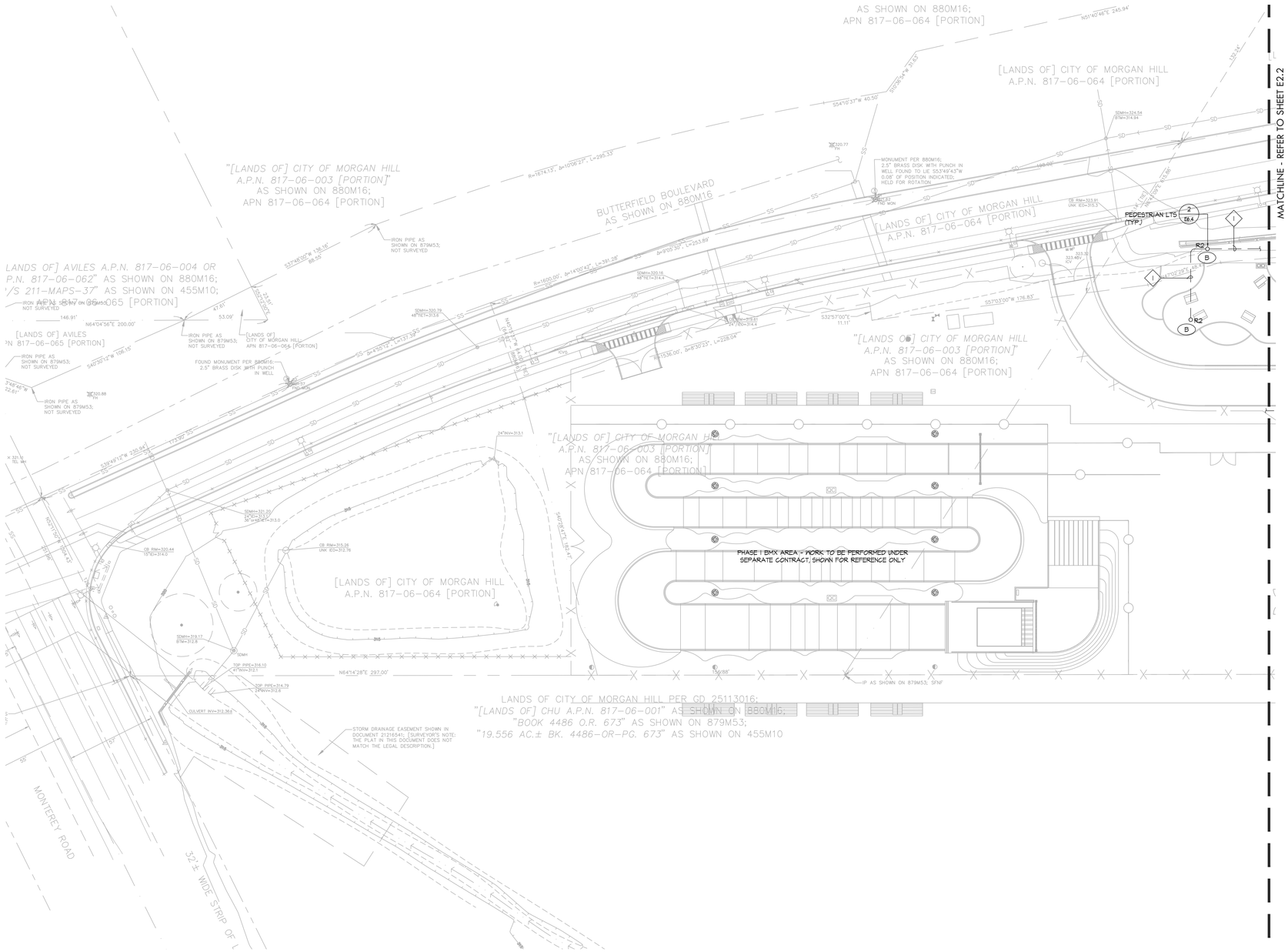

1 ELECTRICAL PARTIAL SITE LIGHTING PLAN #1 (BMX TRACK)

1 / E2.1

SCALE: 1" = 30'-0"

GENERAL NOTES:

1. SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
2. CONTRACTOR SHALL HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES, HEADERS, WALKS, IRRIGATION AND OTHER UTILITIES.
3. PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES U.O.N.
4. CONTRACTOR SHALL REFERENCE THE IRRIGATION PLANS TO CONFIRM THE LOCATION OF EXISTING MAINLINES AND LATERAL LINES. FOR THE AREAS WHERE THE PROPOSED ELECTRICAL CONDUITS CROSS THE EXISTING IRRIGATION MAINLINES AND LATERAL LINES, TRENCHING SHALL BE DONE BY HAND PER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
5. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2022 CALIFORNIA ELECTRICAL CODE.

CONDUIT SCHEDULE:

1 2"G - LIGHTING

CITY COMMENT REVISIONS 5/17/24

ELECTRICAL PARTIAL SITE LIGHTING PLAN #1 (BMX TRACK)

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
2	60% SUBMITTAL	8/21/23	VERDE
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
BY: DATE:

DRAWN: DESIGN: AA
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APPROVED: DATE:
SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

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408/236-2312
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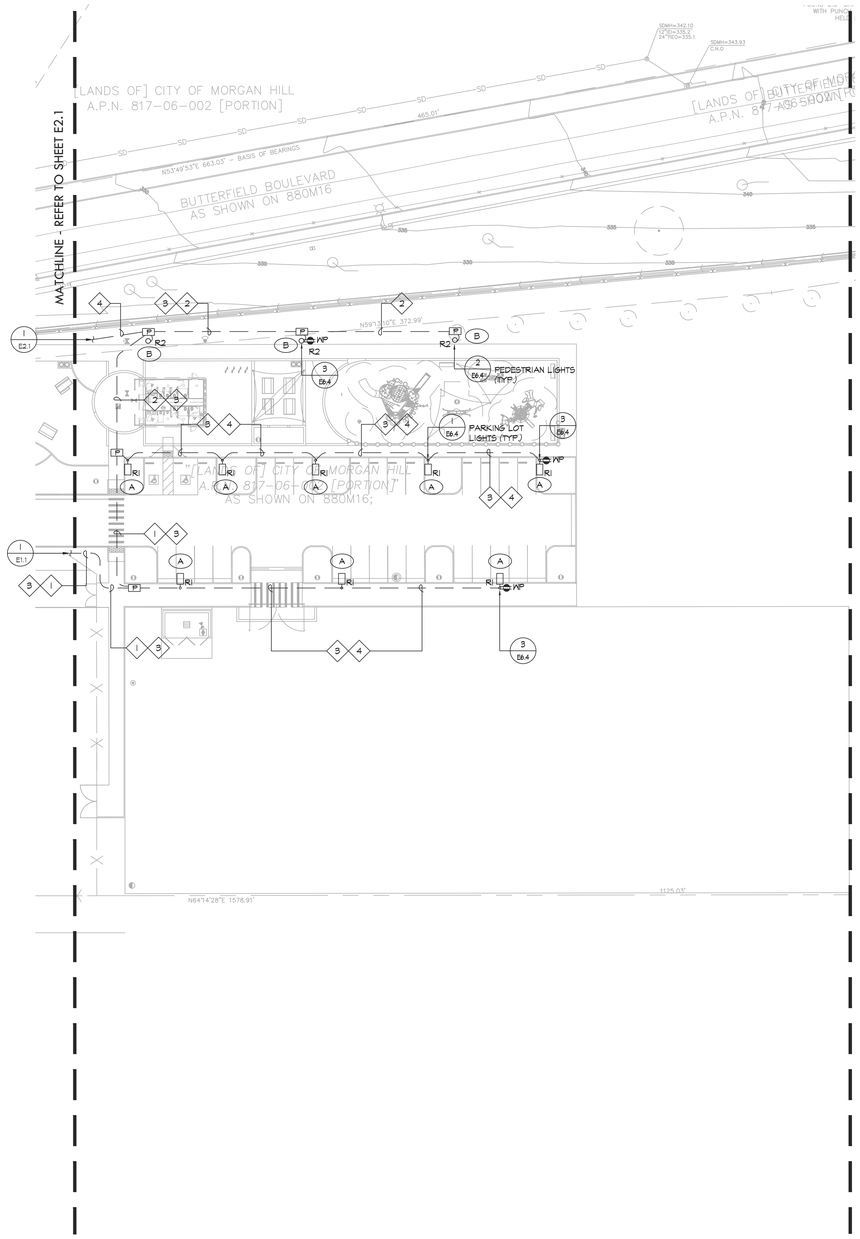
JOB # EX20059.00

REGISTERED PROFESSIONAL ENGINEER SCOTT C. CREER E16890 Ex. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

ELECTRICAL PARTIAL SITE PLAN #1 (BMX TRACK)
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: E2.1

DWG File: Z:\Projects\Year 2023\EX23059_Butterfield Park @ Morgan Hill\E2.1 - ELECTRICAL SITE PLAN - 1, 2 & 3.dwg



ELECTRICAL PARTIAL SITE LIGHTING PLAN #2 (PARKING LOT)

SCALE: 1" = 30'-0"

GENERAL NOTES:

1. SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
2. CONTRACTOR SHALL HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES, HEADERS, WALKS, IRRIGATION AND OTHER UTILITIES.
3. PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES U.O.N.
4. CONTRACTOR SHALL REFERENCE THE IRRIGATION PLANS TO CONFIRM THE LOCATION OF EXISTING MAINLINES AND LATERAL LINES. FOR THE AREAS WHERE THE PROPOSED ELECTRICAL CONDUITS CROSS THE EXISTING IRRIGATION MAINLINES AND LATERAL LINES, TRENCHING SHALL BE DONE BY HAND PER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
5. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2022 CALIFORNIA ELECTRICAL CODE.
6. COORDINATE PULL BOX ORIENTATION WITH LANDSCAPE ARCHITECT TO BE SQUARE WITH SURFACE CURB, CONCRETE WALKWAY, DRAINAGE, ETC.
7. ALL PULL BOXES SHALL BE TRAFFIC RATED B2486 UNLESS OTHERWISE NOTED, SEE DETAIL FOR SPECIFICS.

CONDUIT SCHEDULE:

1. (2) 2"C - LIGHTING
   (1) 2"CO - SPARE
2. (1) 2"C - LIGHTING
   (1) 2"CO - SPARE
3. (1) 2"C - POWER - CAMERA
4. (1) 2"C - LIGHTING

CITY COMMENT REVISIONS 5/17/24

ELECTRICAL PARTIAL SITE LIGHTING PLAN #2 (PARKING LOT)

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

NO.	DESCRIPTION	DATE	BY
2	60% SUBMITTAL	8/21/23	VERDE
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

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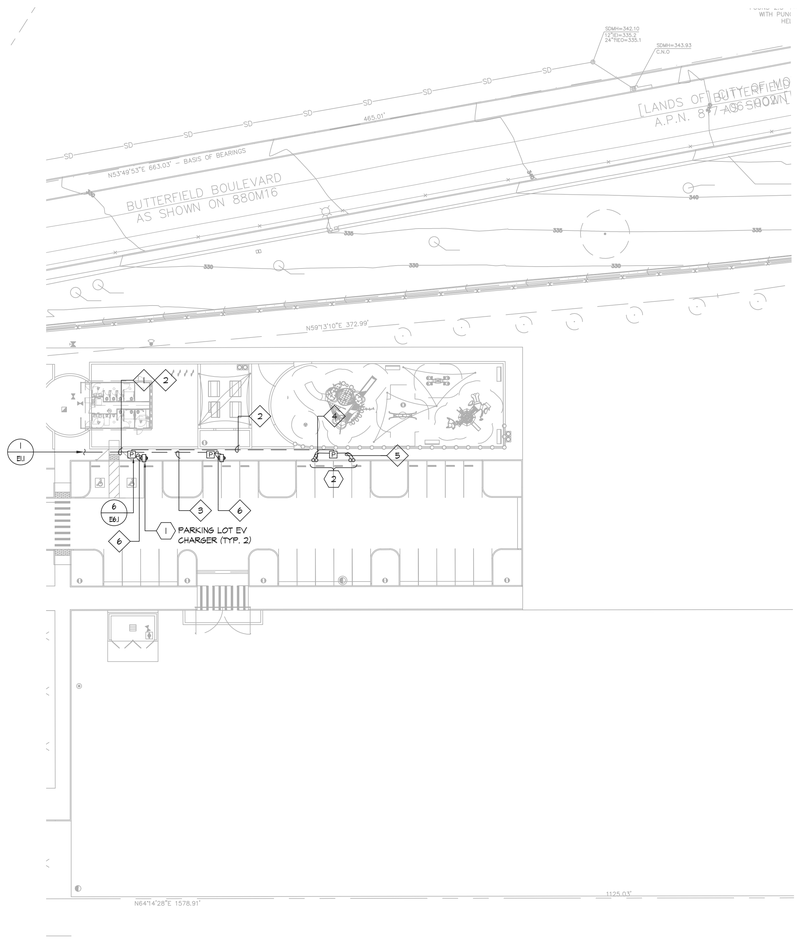
REGISTERED PROFESSIONAL ENGINEER SCOTT C. CREER E16890 Exp. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

FILE NUMBER:
PRINT DATE:
SHEET NUMBER: E2.2

DWG File: Z:\Projects\Year 2023\EA23059_Butterfield Park @ Morgan Hill\E2.1 - ELECTRICAL SITE PLAN - 1, 2 & 3.dwg



GENERAL NOTES:

1. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. CONTRACTOR TO SITE SURVEY (E) CONDITIONS AND LOCATIONS OF (E) UNDERGROUND SYSTEMS, WHERE (N) TRENCHWORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
3. PRIOR TO ALL (N) TRENCHES, CONTRACTOR TO USA ALL (E) ELECTRICAL CONDUITS AND OTHER UTILITIES TO FAMILIARIZE THEMSELVES WITH THE FIELD CONDITIONS AND ADJUST (N) TRENCHES ACCORDINGLY.
4. IN-GRADE PULL BOX IDENTIFIED WITH 'P' SHALL HAVE LID LABELED 'ELECTRICAL'.
5. IN-GRADE PULL BOX IDENTIFIED WITH 'S' SHALL HAVE LID LABELED 'SIGNAL'.
6. CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
7. CONTRACTOR TO COORDINATE ELECTRICAL SITE PLAN AND SIGNAL SITE PLAN TO COMBINE ALL UNDERGROUND CONDUITS IN COMMON TRENCH AS NECESSARY.
8. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
9. SPLICE GROUND WIRE INSIDE ALL METAL ELECTRICAL PULL BOXES LABELED "ELECTRICAL" AND BOND TO METAL COVER WITH #6 GU GND.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
11. COORDINATE PULL BOX ORIENTATION WITH LANDSCAPE ARCHITECT TO BE SQUARE WITH SURFACE CURB, CONCRETE WALKWAY, DRAINAGE, ETC.
12. ALL PULL BOXES SHALL BE TRAFFIC RATED B2486 UNLESS OTHERWISE NOTED. SEE DETAIL FOR SPECIFICS.

SHEET NOTES:

1. DUAL HEAD EV CHARGER STATION PROVIDED & INSTALLED BY CITY/OWNER.
2. TOTAL OF (4) EV CAPABLE CHARGERS/ STALLS. COORDINATE EXACT LOCATION WITH ARCHITECT.

CONDUIT SCHEDULE:

1. (4) 2"C - EV CHARGER
2. (2) 2"CO - (F) EV CAPABLE CHARGER #1
   (2) 2"CO - (F) EV CAPABLE CHARGER #2
3. (2) 2"C - EV CHARGER
4. (2) 1-1/4"CO - (F) EV CAPABLE CHARGER #1
5. (2) 1-1/4"CO - (F) EV CAPABLE CHARGER #2
6. (2) 1-1/4"C - EV CHARGER

1 / E3.1 **ELECTRICAL PARTIAL SITE POWER PLAN (PARKING LOT)**

SCALE: 1" = 30'-0"

CITY COMMENT REVISIONS 5/17/24

ELECTRICAL PARTIAL SITE POWER PLAN (PARKING LOT)

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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REGISTERED PROFESSIONAL ENGINEER SCOTT C. CREER E16890 Ex. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

ELECTRICAL PARTIAL SITE PLAN POWER (PARKING LOT)
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
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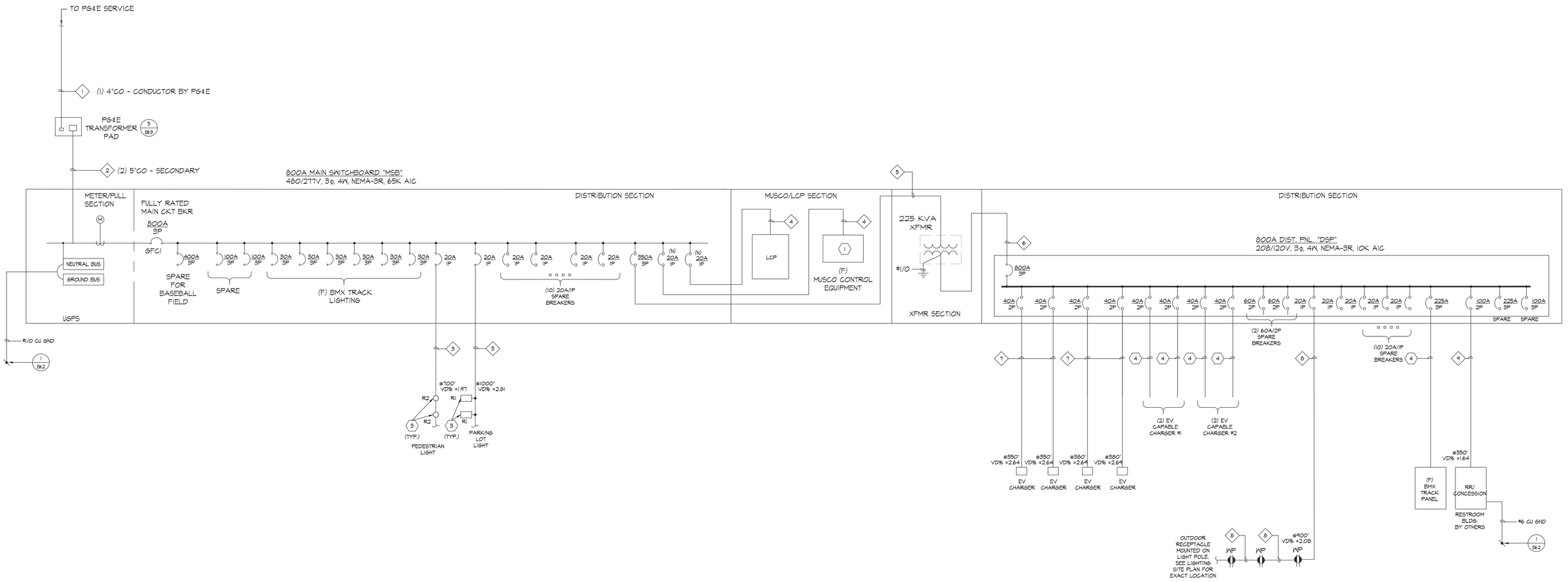


1 E5.1 SINGLE LINE DIAGRAM

N.T.S.

GENERAL NOTES:

1. FEEDERS TO SPORT LIGHTS SHALL HAVE CONTINOUS RUN, NO SPLICING ALLOWED.
2. ALL BREAKERS, PANELS, AND SWITCHBOARD SHALL BE SQUARE D OR APPROVED EQUAL.
3. ALL ELECTRICAL EQUIPMENT WITH EXPOSED (TO OUTDOOR ENVIRONMENT) SCREWS SHALL BE TREATED WITH ANTI-SIEZE.
4. ALL BREAKERS IN THE DISTRIBUTION SECTION SHALL BE PROVIDED WITH ENGRAVED NAMEPLATE TO IDENTIFY EQUIPMENT.
5. WHERE FEEDERS ARE OVERSIZED FOR DISTANCE AND VOLTAGE DROP, CONTRACTOR SHALL REDUCE FEEDER TO THE APPROPRIATE SIZE PRIOR TO LANDING TO DESIRED DEVICE, EQUIPMENT OR PANEL.

SHEET NOTES:

1. (F) MUSCO LIGHTING CONTROLS CABINET NEMA-3R SEE MUSCO FOR COMPLETE INSTALLATION. MUSCO TO PROVIDE 277V STEP DOWN TRANSFORMER TO ALLOW 120V SERVICE TO OPERATE LIGHTING CONTROL PANEL. CONTRACTOR TO COORDINATE AND PROVIDE.
2. (F) MUSCO SPORTS FIELD LIGHTING BALLAST WITH BUILT-IN INTEGRATED FUSED DISCONNECT.
3. CONNECT LIGHTS VIA LCP.
4. SEE SITE PLAN FOR CONDUIT SIZE.

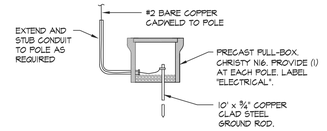
CONDUIT SCHEDULE:

1. (1) 4"C - CONDUCTOR BY PG&E
2. (2) 5"C - SECONDARY
3. 2"C - (2) #8 + (1) #10 CU GND
4. 1"C - (2) #12 + (1) #12 CU GND
5. 3"C - (3) #400 KCMIL + (1) #3 CU GND - XFMR
6. (2) 3-1/2"C - (4) #500 KCMIL + (1) #1/0 CU GND - DIST. PNL.
7. 2"C - (2) #3 + (1) #8 CU GND - EV CHARGER
8. 2"C - (2) #4 + (1) #8 CU GND - RECEPTACLES
9. 2"C - (3) #4/0 + (1) #2 CU GND - RR/CONCESSION

SYSTEM LOAD CALCULATIONS

MAIN SWITCHBOARD "MPD1" - 480Y/277 V, 800A/3P MAIN CIRCUIT BREAKER, 100% RATED

DESCRIPTION	LOAD TYPE (KVA)			Demand
	Lighting @ 125%	Motor @ 125%	Pwr Load @ 100%	(KVA)
(F) BASEBALL SPORTFIELD LIGHTING	100.0			100.0
(F) BMX TRACK			51.6	51.6
(F) TRAINING BUILDING			115.1	115.1
(2) PARKING LIGHTING	0.9			0.9
(4) EV CHARGER			38.4	38.4
(5) PEDESTRIAN LIGHTING	0.4			0.4
(3) OUTDOOR RECEPTACLE			0.5	0.5
(4) EV CAPABLE SPACES			38.4	38.4
RR/CONCESSION BLDG			28.8	28.8
(F) (7) EV CAPABLE SPACES			98.0	98.0
		TOTAL DEMAND KVA		476.7
		TOTAL DEMAND AMPS @ 480V		573.4



2 E5.1 FIELD LIGHTING GROUNDING BOX DETAIL

SCALE: NOT TO SCALE
NOTE: INSTALL UNDER BID ALTERNATE #3 OR #7.

CITY COMMENT REVISIONS 5/17/24

SINGLE LINE DIAGRAM

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Z:\Projects\Year 2023\EA23059_Butterfield Park @ Morgan Hill\ES1_1_SINGLE LINE-.DWG

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SINGLE LINE DIAGRAM
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
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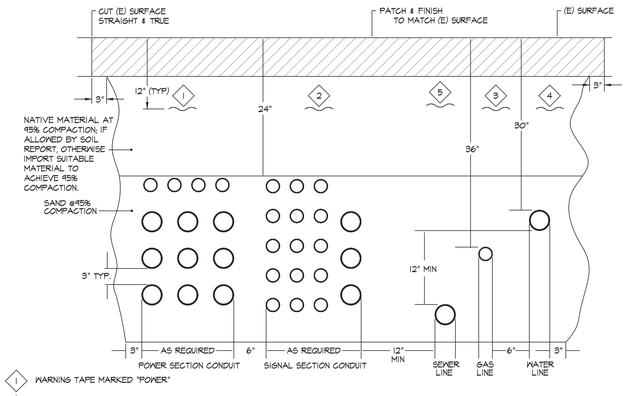
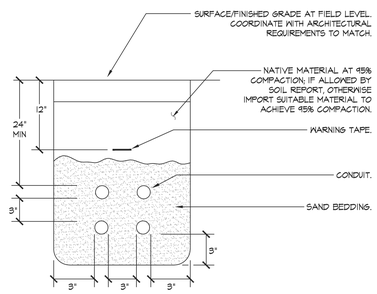


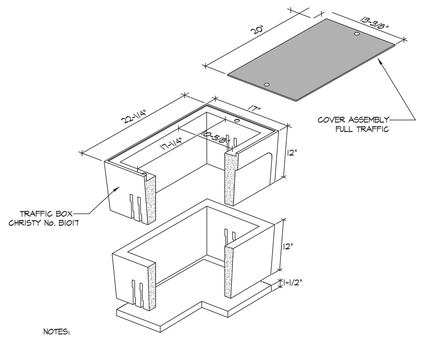
NOTES:
1. ALL ELECTRICAL TRENCH WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
2. MINIMUM SPACING BETWEEN CONDUITS IS 3".
3. SEE SITE/FLOOR PLANS AND SPECIFICATIONS FOR CONDUIT REQUIREMENTS.

1 TYPICAL JOINT TRENCH & DUCT BANK DETAIL
E6.1 — NOT TO SCALE



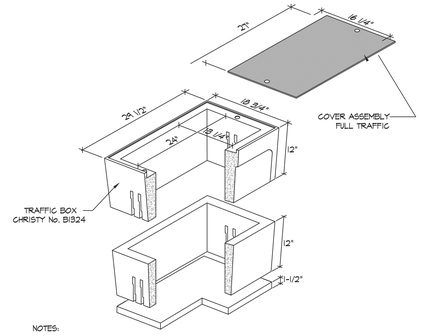
1. COORDINATE TRENCH CONDUIT LAYOUT WITH OTHER CONDUIT SYSTEMS.

2 TYPICAL TRENCH DETAIL
E6.1 — NOT TO SCALE



NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
2. ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.
3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
4. PROVIDE BELL ENDS ON ALL CONDUIT.

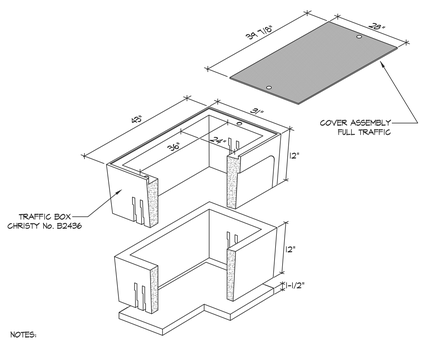
3 B1017 ELECTRICAL VAULT
E6.1 — NOT TO SCALE — (FULL TRAFFIC COVER)



NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
2. ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.
3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
4. PROVIDE BELL ENDS ON ALL CONDUIT.
5. PROVIDE 6" CONCRETE SLURRY AROUND BOX.
6. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.

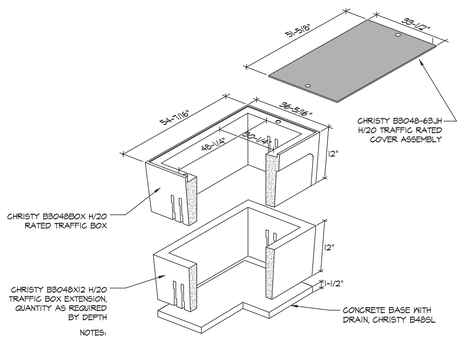
* ELECTRICAL PULL BOX STEEL COVER SHALL BE TACK WELDED TO THE FRAME OF BOX.

4 B1324 ELECTRICAL VAULT
E6.1 — NOT TO SCALE — (FULL TRAFFIC COVER)



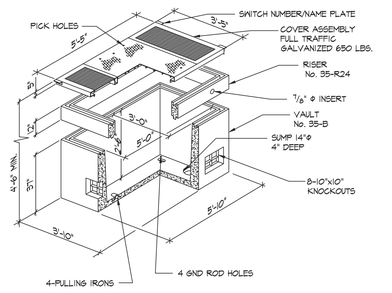
NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
2. ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.
3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
4. PROVIDE BELL ENDS ON ALL CONDUIT.

5 B2436 ELECTRICAL VAULT
E6.1 — SCALE: NOT TO SCALE — (FULL TRAFFIC COVER)



NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
2. ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.
3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
4. PROVIDE BELL ENDS ON ALL CONDUIT.

6 B3048 TRAFFIC BOX DETAIL
E6.1 — NOT TO SCALE — (FULL TRAFFIC COVER)



7 3' X 5' ELECTRICAL VAULT
E6.1 — NOT TO SCALE — (FULL TRAFFIC COVER)

CITY COMMENT REVISIONS 5/17/24

ELECTRICAL DETAILS

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: Z:\Projects\Year 2023\EK23059_Butterfield Park @ Morgan Hill\E6.1_Electrical Details.dwg

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REGISTERED PROFESSIONAL ENGINEER SCOTT S. TEMPLETON E16890 Exp. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

ELECTRICAL DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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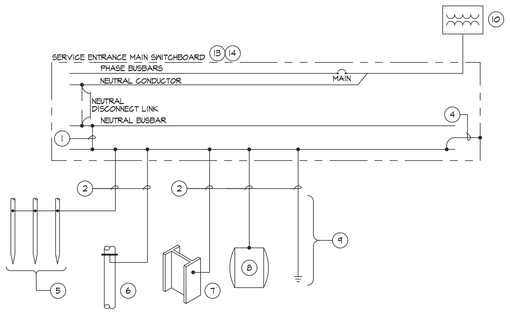
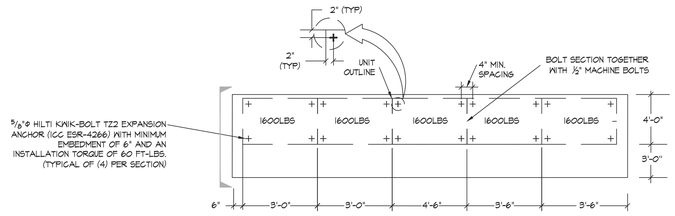


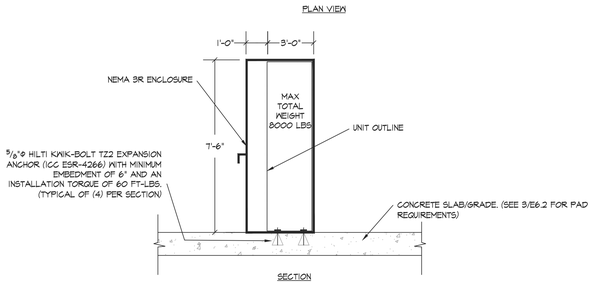
NOTES:

1. MAIN BONDING JUMPER. MAIN BONDING JUMPER SHALL BE SIZED PER 250.28(D).
2. GROUNDING ELECTRODE CONDUCTOR. GROUNDING ELECTRODE CONDUCTOR SHALL BE BARE OR INSULATED COPPER AND SHALL BE SIZED PER TABLE 250.66.
3. NOT USED.
4. EQUIPMENT BONDING JUMPER. EQUIPMENT BONDING JUMPER SHALL BE INSULATED COPPER AND SHALL BE SIZED PER TABLE 250.122.
5. PROVIDE A MINIMUM OF (3) GROUND RODS. GROUND RODS SHALL BE 10' LONG BY ¾" DIAMETER COPPERCLAD. GROUND RODS SHALL BE SPACED A MINIMUM OF 10' APART. GROUNDING ELECTRODE CONDUCTOR SHALL BE BONDED TO THE GROUND ROD VIA EXOTHERMIC WELD. GROUND RODS SHALL BE INSTALLED IN A ROUND BOX. SEE DETAIL FOR BOX/INSTALLATION REQUIREMENTS.
6. PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE NEAREST UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR A MINIMUM OF 10 FEET. WATER PIPE SHALL BE ELECTRICALLY CONTINUOUS TO POINTS OF CONNECTION OF THE GROUNDING ELECTRODE CONDUCTOR. CONNECTION POINT SHALL NOT BE GREATER THAN 5' FROM THE POINT OF ENTRANCE OF THE UNDERGROUND WATER PIPE.
7. PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE NEAREST METAL FRAME OR STRUCTURAL STEEL.
8. PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO ALL OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES, AS REQUIRED WHEN AVAILABLE.
9. PROVIDE A CONCRETE ENCASED ELECTRODE (UFER) IN AND NEAR THE BOTTOM OF THE MAIN SWITCHBOARD PAD, STRUCTURAL FOOTING OR SLAB ON GRADE THAT IS IN DIRECT CONTACT WITH EARTH. THE ELECTRODE SHALL BE A MINIMUM OF 20 FEET LONG INSIDE THE PAD, FOOTING OR SLAB. THE ELECTRODE CONDUCTOR SHALL BE BARE COPPER AND SIZED PER TABLE 250.66 BUT SHALL NOT BE LESS THAN #4AWG.
10. MAIN UTILITY TRANSFORMER SHALL BE GROUNDED PER THE REQUIREMENTS OF THE UTILITY COMPANY.
11. NOT USED.
12. PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE SECONDARY SIDE OF ALL WYE CONNECTED BUILDING TRANSFORMERS. GROUNDING ELECTRODE CONDUCTOR MAY BE CONNECTED TO THE NEAREST STRUCTURAL STEEL OR THE MAIN SERVICE GROUNDING ELECTRODE ONLY. SEE TRANFORMER GROUNDING DETAIL FOR ADDITIONAL REQUIREMENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL GROUNDING AND BONDING AS REQUIRED PER THE CEC.
14. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

1 MAIN SERVICE GROUNDING DETAIL

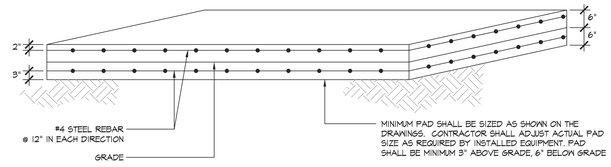
E6.2 NOT TO SCALE





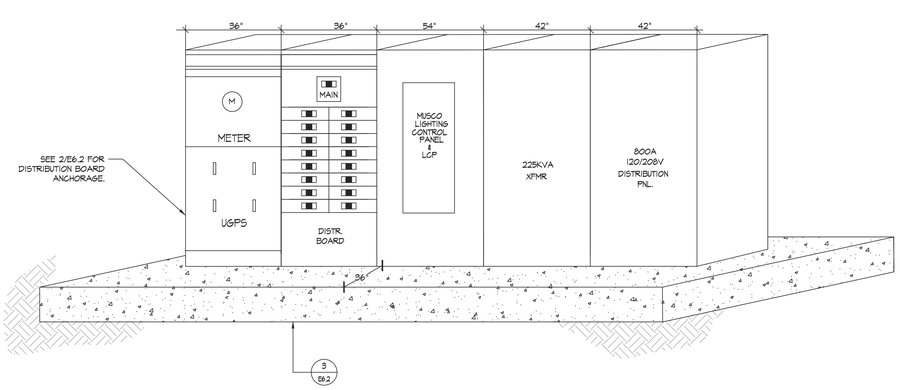
2 MAIN SWITCHBOARD ANCHORAGE DETAIL

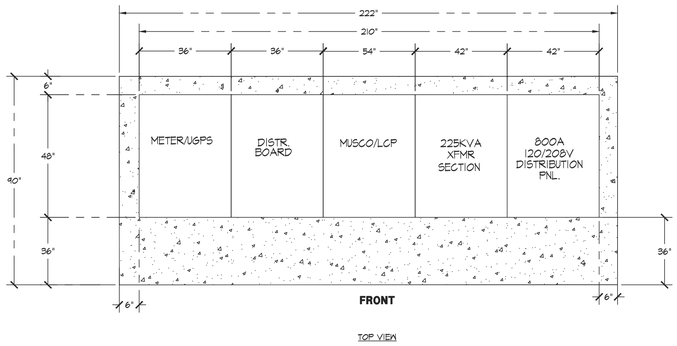
E6.2 NOT TO SCALE



3 CONCRETE ELECTRICAL EQUIPMENT PAD

E6.2 SCALE: NOT TO SCALE





4 MAIN SWITCHBOARD LAYOUT

E6.2 NOT TO SCALE

NO.	DESCRIPTION	DATE	BY
2	60% SUBMITTAL	8/21/23	VERDE
3	95% SUBMITTAL	11/28/23	VERDE
4	BID SUBMITTAL	1/31/24	VERDE

Revisions

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SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

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REGISTERED PROFESSIONAL ENGINEER SCOTT C. CREER E16890 Exp. 06/30/25 ELECTRICAL STATE OF CALIFORNIA

ELECTRICAL DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

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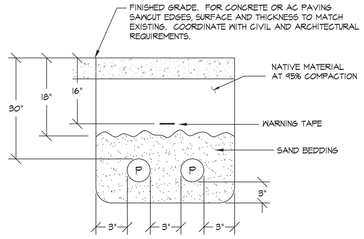
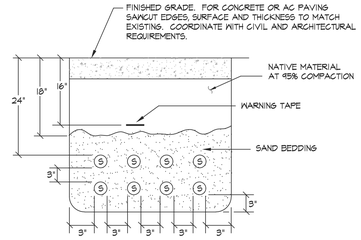


1. TRENCH PER PG&E STANDARDS
2. WHEN TRENCHING ACROSS PUBLIC STREET, CONTRACTOR TO COMPLY WITH GREEN BOOK AND PROVIDE ADDITIONAL TRENCH DEPTH AS REQUIRED.

P - PRIMARY

1 PG&E TRENCH DETAIL PRIMARY SIDE

E6.3 NOT TO SCALE

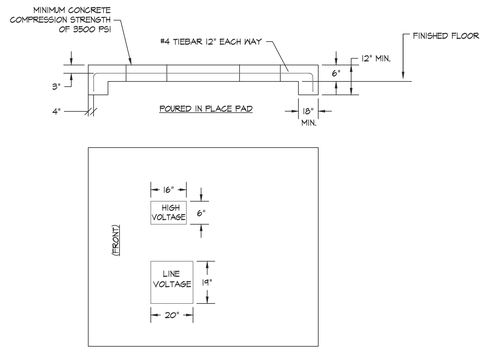


1. TRENCH PER PG&E STANDARDS

S - SECONDARY

2 PG&E TRENCH DETAIL SECONDARY SIDE

E6.3 NOT TO SCALE



MINIMUM PAD SIZE: U.O.N. STYLE IIE

PAD SHALL CONFORM TO ALL REQUIREMENTS OF UTILITY "PG&E". THE CONTRACTOR SHALL CONSTRUCT THE PAD PER THE CONSTRUCTION DETAILS FOR STYLE IIE PAD AS SPECIFIED IN THE PG&E GREEN BOOK'S "CONCRETE PAD FOR THREE PHASE, LOOP-STYLE PAD-MOUNTED TRANSFORMERS" SECTION. REFER TO PG&E CONTRACTOR DOCUMENTS FOR FINAL REQUIREMENTS.

4 TRANSFORMER PAD DETAIL

E6.3 SCALE: NOT TO SCALE

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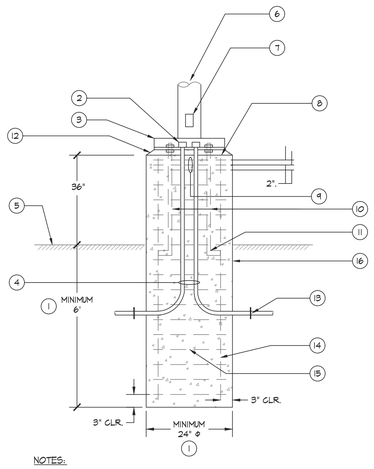
FILE NUMBER:
PRINT DATE:
SHEET NUMBER: E6.3

DWG File: Z:\Projects\Year 2023\EK23059_Butterfield Park @ Morgan Hill\E6.3_Electrical Details.dwg

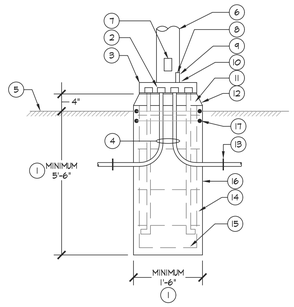


NOTES:

1. CONTRACTOR SHALL ENGAGE FOUNDATION DESIGNER. POLE BASE FOUNDATION & REBAR SHALL BE DESIGNED BY QUALIFIED FOUNDATION DESIGNER WHO IS FAMILIAR WITH SOIL CONDITIONS AND POLE LOADING.
2. CAP CONDUITS. (BEFORE POURING CONCRETE)
3. BASE COVER.
4. RIGID STEEL ELBOWS WRAP WITH PVC TAPE OVERLAP 50%.
5. FINISH GRADE.
6. ROUND STEEL POLE TO BE INSTALLED SHALL NOT EXCEED 22' IN HEIGHT.
7. FLUSH HANDHOLE WITH GROUND LUG. CONNECT GROUND WIRE TO GROUND LUG.
8. 1 1/2" NON-SHRINK GROUT.
9. 3-#4 TIES @ 2-1/2" AT TOP.
10. 4-1"ø x 40" LONG ANCHOR BOLTS.
11. 4" HOOK TYP.
12. 45° CHAMFER.
13. PVC SCH40 FROM RIGID STEEL ELBOWS TO NEXT POLE. (SEE PLAN)
14. 6-#6. (GRADE 60)
15. #4 TIES AT 9" O.C. TYP. (GRADE 60)
16. CONCRETE POLE FOOTING COMPRESSIVE STRENGTH TO BE F'c = 3500 PSI MINIMUM AT 28 DAYS.

1 TYPICAL RAISED POLE BASE DETAIL

E6.4 NOT TO SCALE

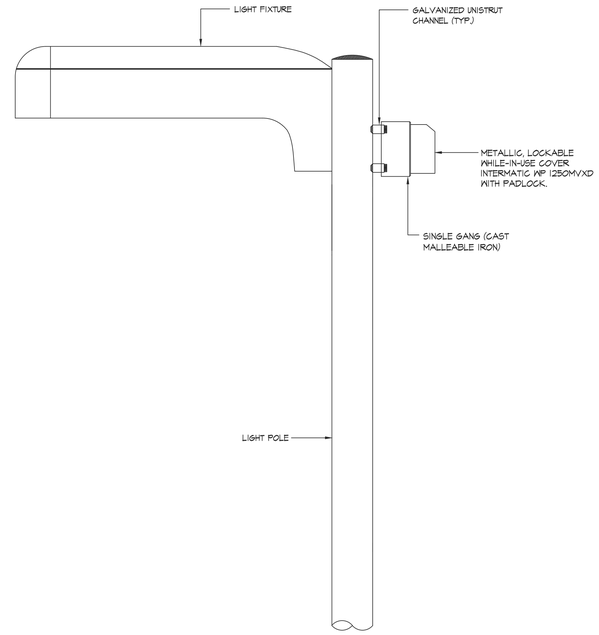


NOTES:

1. CONTRACTOR SHALL ENGAGE FOUNDATION DESIGNER. POLE BASE FOUNDATION & REBAR SHALL BE DESIGNED BY QUALIFIED FOUNDATION DESIGNER WHO IS FAMILIAR WITH SOIL CONDITIONS AND POLE LOADING.
2. CAP CONDUITS. (BEFORE POURING CONCRETE)
3. BASE COVER.
4. RIGID STEEL ELBOWS WRAP WITH PVC TAPE OVERLAP 50%.
5. FINISH GRADE.
6. LUMINAIRE POLE.
7. HAND HOLE.
8. GROUNDING LUG.
9. GROUND CONDUCTOR.
10. BUSHING.
11. ANCHOR BOLTS - VERIFY BOLT SIZE & BOLT CIRCLE WITH POLE MANUFACTURER.
12. GROUT.
13. PVC SCH40 FROM RIGID STEEL ELBOWS TO NEXT POLE. (SEE PLAN)
14. (6) #5 VERT. BAR. (GRADE 40 MINIMUM).
15. #3 TIES @ 7.5" O.C. THROUGHOUT, TYP. (GRADE 40 MINIMUM)
16. CONCRETE BASE, MINIMUM 3500 PSI. (COMPRESSIVE STRENGTH - 28 DAYS MINIMUM)
17. (3) #3 @ 2-1/2" AT TOP.

2 FLUSH POLE BASE DETAIL

E6.4 NOT TO SCALE

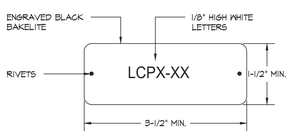


3 REC. ON POLE FIXTURE

E6.4 NOT TO SCALE

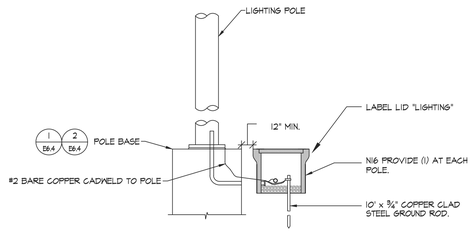
NOTE:

1. LABEL TO INDICATE LIGHTING CONTROL PANEL NUMBER AND CIRCUIT BREAKER NUMBER.



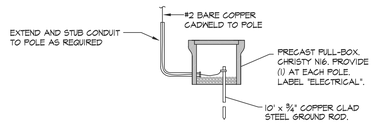
4 TYPICAL POST TAG

E6.4 NOT TO SCALE



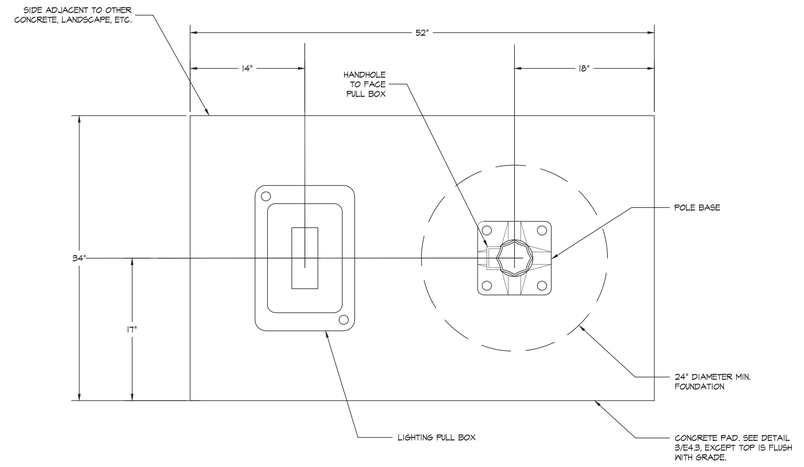
5 TYPICAL LIGHTING POLE BASE GROUNDING DETAIL

E6.4 NOT TO SCALE



6 GROUNDING BOX DETAIL

E6.4 NOT TO SCALE



7 CONCRETE PAD FOR LIGHT POLE AND PULL BOX

E6.4 NOT TO SCALE

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2	60% SUBMITTAL	8/21/23	VERDE
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GENERAL

1. ALL CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24, PART 2, VOLUMES 1–2 (2021 INTERNATIONAL BUILDING CODE (IBC) WITH 2022 CALIFORNIA AMENDMENTS).

2. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER FOR DIRECTION PRIOR TO PROCEEDING.

3. DETAILS OF CONSTRUCTION ARE TYPICAL, UNLESS NOTED OTHERWISE, AND SHALL APPLY AT ALL LOCATIONS OF SIMILAR CONSTRUCTION. TYPICAL DETAILS ARE NOT CUT AT EVERY APPLICABLE LOCATION ON THE PLANS.

4. DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.

5. SHORING, TEMPORARY BRACING AND OTHER METHODS AND MEANS OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, AND IS NOT INCLUDED IN THE SCOPE OF THE STRUCTURAL DRAWINGS.

6. THE FOLLOWING NOTES ARE FOR GENERAL MATERIAL GRADES AND PROCEDURES. SEE SPECIFICATIONS AND REMAINDER OF DRAWINGS FOR COMPLETE REQUIREMENTS. ITEMS NOTED IN PLANS, SECTIONS AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES.

7. LOADS:
   - A) WIND:
     EXPOSURE C, 95, MPH BASIC WIND SPEED
     DIRECTIONAL PROCEDURE
   - B) SEISMIC:
     BUILDING RISK CATEGORY II
     EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7–16 SEC. 12.8)
     LATITUDE: 37.1091, LONGITUDE: −121.6322
     SEISMIC DESIGN CATEGORY (SDC) D
     SITE CLASS C
     S_S=1.561, S_1=0.600; F_a=1.200, F_v=1.400;
     S_{MS}=1.873, S_{M1}=0.840; S_{DS}=1.249, S_{D1}=0.560
     IMPORTANCE FACTOR: I_e=1.00
     R=3 FOR SIGNS AND BILLBOARDS
     C_S=0.416 (STRENGTH), 0.297 (ALLOWABLE STRESS)
     R=1.5 FOR SELF–SUPPORTING STRUCTURES
     C_S=0.999 (STRENGTH), 0.714 (ALLOWABLE STRESS)
     C_s=0.250 (STRENGTH), 0.178 (ALLOWABLE STRESS).
   - C) LOAD COMBINATIONS FOR DESIGN:
     CONCRETE: PER CBC 1605.2 FOR STRENGTH DESIGN.
     FOUNDATIONS: PER CBC 1605.3.2 FOR ALLOWABLE STRESS DESIGN.
     ALL OTHERS: PER CBC 1605.3.1 FOR ALLOWABLE STRESS DESIGN.

STRUCTURAL ABBREVIATIONS

A.B.	ANCHOR BOLT	I.D.	INSIDE DIAMETER
ADJ	ADJACENT	IN	INCH
APPROX	APPROXIMATE	INT	INTERIOR
ARCH	ARCHITECTURAL		
		LAM	LAMINATE
BLDG	BUILDING	LBS	POUNDS
BLK	BLOCK		
BLKG	BLOCKING	KSI	KIPS PER SQ. IN.
BM	BEAM		
B.N.	BOUNDARY NAILING	MAX	MAXIMUM
BOT	BOTTOM	M.B.	MACHINE BOLT
BP	BASEPLATE	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
B.S.	BOTH SIDES	MIN	MINIMUM
		MISC	MISCELLANEOUS
C TO C	CENTER TO CENTER		
C.B.	CARRIAGE BOLT	<N>	NEW
CJ	CONTROL JOINT OR CONSTRUCTION JOINT	N.S.	NEAR SIDE
		N.I.C.	NOT IN CONTRACT
C.I.	CAST IRON	NO.	NUMBER
CL	CENTERLINE	NTS	NOT TO SCALE
CLG	CEILING		
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL	COLUMN	O.D.	OUTSIDE DIAMETER
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS		
C.P.	COMPLETE PENETRATION	PERP	PERPENDICULAR
CTRD	CENTERED	PL	STEEL PLATE
CTSK	COUNTERSINK	P.P.	PARTIAL PENETRATION
		PLYWD	PLYWOOD
<D>	DEMO	PSF	POUNDS PER SQ. FT.
DBL	DOUBLE	PSI	POUNDS PER SQ. IN.
DIA OR ø	DIAMETER		
DIAG	DIAGONAL	RAD	RADIUS
DO	DITTO	REINF	REINFORCING
DWG	DRAWING	REQD	REQUIRED
		REV	REVISION
EA	EACH	R.O.	ROUGH OPENING
E.F.	EACH FACE	RWD	REDWOOD
ELEC	ELECTRICAL		
ELEV	ELEVATION	S.A.D	SEE ARCH'L DRAWINGS
E.N.	EDGE NAILING	S.M.D.	SEE MECH'L DRAWINGS
EQ	EQUAL	S.L.D.	SEE LANDSCAPE DRAWINGS
E.W.	EACH WAY	S.F.	SQUARE FEET
EXIST OR <E>	EXISTING	SIM	SIMILAR
EXTER	EXTERIOR	SPEC	SPECIFICATION
		SQ	SQUARE
<F>	FUTURE	STD	STANDARD
F.D.	FLOOR DRAIN	STGRD	STAGGERED
FHWS	FLAT HEAD WOOD SCREW	STIFF	STIFFENER
FIN	FINISH	SYM	SYMMETRICAL
F.O.B.	FACE OF BLOCK		
F.O.C.	FACE OF CONCRETE	T&G	TONGUE & GROOVE
F.O.F.	FACE OF FINISH	THRD	THREADED
F.O.S.	FACE OF STUD	T.O.C.	TOP OF CONCRETE
F.P.	FULL PENETRATION	T.O.F.	TOP OF FRAMING
F.S.	FAR SIDE	T.O.S.	TOP OF STEEL
FT	FOOT OR FEET	TS	TUBE STEEL
FTG	FOOTING	TYP	TYPICAL
GA	GAGE	U.N.O.	UNLESS NOTED OTHERWISE
GALV	GALVANIZED		
G.I.	GALVANIZED IRON	VERT	VERTICAL
GLB	GLUE–LAMINATED BEAM		
GYP.BD.	GYPSUM BOARD	W/	WITH
		W/O	WITHOUT
HDR	HEADER	WT	WEIGHT OR STEEL WT SECTION
HORIZ	HORIZONTAL		
HR	HOUR	WWF	WELDED WIRE FABRIC
H.S.	HIGH STRENGTH		
H.S.B.	HIGH STRENGTH BOLT		
HSS	HOLLOW STEEL SECTION		

GEOTECHNICAL & FOUNDATIONS

1. GEOTECHNICAL CRITERIA USED FOR FOUNDATION DESIGN:
   A) GEOTECHNICAL REPORT BY GEO–ENGINEERING SOLUTIONS INC, SAN RAMON, CA. REPORT NO. 69–1470, DATED 06–30–23.
   GEOTECHNICAL REPORT SHALL BE CONSIDERED PART OF CONSTRUCTION DOCUMENTS. ALL RECOMMENDATIONS DESCRIBED THEREIN SHALL BE IMPLEMENTED IN PROJECT'S CONSTRUCTION, INCLUDING GRADING, STRIPPING OF EXISTING MATERIAL, LOCATION, TYPE AND INSTALLATION OF FILL MATERIAL, AND COMPACTION.

   B) CONTINUOUS & SPREAD FOOTINGS:
   MINIMUM WIDTH: 24" (SPREAD FOOTINGS)
   18" (CONTINUOUS FOOTINGS)
   MINIMUM EMBEDMENT BELOW LOWEST ADJACENT FINISHED GRADE:
   24" (CONTINOUS & SPREAD FOOTINGS)

   C) ALLOWABLE SOIL PRESSURES USED FOR FOUNDATION DESIGN:
   DEAD LOAD: 3000 PSF
   DEAD PLUS LIVE LOAD: 4500 PSF
   TOTAL LOAD W/ SEISMIC OR WIND: 6000 PSF
   ALLOWABLE FRICTION COEFFICIENT: 0.35
   ALLOWABLE PASSIVE PRESSURE: 350 PCF
   PIER/PILE ALLOWABLE LATERAL PRESSURE: 350 PCF
   IGNORE 1 FT. AT TOP. EFFECTIVE PIER WIDTH: 2 DIAMETERS.
   MINIMUM PIER SPACING: 3 DIAMETERS

   D) ENGINEERED FILL AND COMPACTION:
   PER GEOTECHNICAL REPORT RECOMMENDATIONS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO CHAPTER 19 OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND 2019 ACI STANDARD 318 AND ASTM C94, SPECIFICATION FOR READY–MIX CONCRETE. CEMENT SHALL BE PORTLAND CEMENT TYPE II AND SHALL COMPLY WITH ASTM C150. CALCIUM CHLORIDE SHALL NOT BE USED. COARSE AND FINE AGGREGATE SHALL COMPLY WITH ASTM C33. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO AND APPROVED BY TESTING AGENCY PRIOR TO ORDERING CONCRETE.

2. ALL STRUCTURAL CONCRETE MIXES SHALL HAVE MIN. FIVE (5) SACKS CEMENT PER CU. YARD AND MAX. WATER–TO–CEMENT RATIO OF 0.60. CONCRETE MIX PROPERTIES SHALL BE AS FOLLOWS:

   A) SLABS–ON–GRADE, SLABS ABOVE GRADE & CONCRETE WALLS:
   28–DAY COMP. STRENGTH: 3,000 PSI
   LARGE AGGREGATE SIZE: 1" – 1–1/2"
   SLUMP: 4"
   DENSITY: 145 – 150 PCF (NORMAL WEIGHT, HARD ROCK AGGREGATE)
   EXPOSURE CLASS: C1, SO (ACI 318 TABLE 19.3.1.1)

   B) FOOTINGS & GRADE BEAMS:
   28–DAY COMP. STRENGTH: 3,000 PSI
   LARGE AGGREGATE SIZE: 1" – 1–1/2"
   MAX. SLUMP: 4"
   DENSITY: 145 – 150 PCF (NORMAL WEIGHT, HARD ROCK AGGREGATE)
   EXPOSURE CLASS: C1, SO (ACI 318 TABLE 19.3.1.1)

   C) CAST–IN–DRILLED–HOLE (C.I.D.H.) PIER FOOTINGS:
   28–DAY COMP. STRENGTH: 3,000 PSI
   LARGE AGGREGATE SIZE: 1/2" – 1"
   MAX. SLUMP: 5"
   DENSITY: 145 – 150 PCF (NORMAL WEIGHT, HARD ROCK AGGREGATE)
   EXPOSURE CLASS: C1, SO (ACI 318 TABLE 19.3.1.1)

   D) NON–STRUCTURAL CONCRETE WALKS ON GRADE:
   28–DAY COMP. STRENGTH: 2,500 PSI
   LARGE AGGREGATE SIZE: 3/8" – 3/4"
   MAX SLUMP: 5"
   DENSITY: 145 – 150 PCF (NORMAL WEIGHT, HARD ROCK AGGREGATE)

3. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615, GR. 60 U.N.O. ALTERNATIVELY, #4 AND SMALLER BARS MAY CONFORM TO ASTM A615, GR. 40. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

4. GROUT SHALL BE NON–SHRINK GROUT U.N.O. CONFORMING TO ASTM C1107. GROUT SHALL HAVE A 7–DAY COMPRESSIVE STRENGTH 5,000 PSI MIN. GROUT SHALL BE MASTER BUILDERS "MASTERFLOW 928", SIKA SIKAGROUT 212, OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SURFACE PREPARATION RECOMMENDATIONS.

5. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO FULL 1/4" AMPLITUDE (ICRI CSP 9) WITH BUSH HAMMER OR OTHER APPROVED METHOD. SURFACES SHALL BE CLEANED OF DUST AND DEBRIS IMMEDIATELY PRIOR TO PLACEMENT OF NEWER CONCRETE.

6. REINFORCING STEEL SHALL BE CONTINUOUS WHERE POSSIBLE. SPLICE WITH CONTACT LAP–SPLICES. STAGGER ALL SPLICES. SPLICE LENGTHS SHALL BE 57 BAR–DIAMETERS MINIMUM. WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL SQUARES, BUT NOT LESS THAN 12".

7. WELDING OF REINFORCING SHALL NOT BE ALLOWED.

8. MAINTAIN THE FOLLOWING MINIMUM CONCRETE COVER FOR REBAR:
   WHERE CONC. IS PLACED AGAINST EARTH = 3"
   WHERE CONCRETE IS FORMED AND EXPOSED TO EARTH OR WEATHER = 2"
   WHERE CONCRETE IS NOT EXPOSED TO EARTH OR WEATHER = 1–1/2"
   SLABS ON GRADE = 3/4"

9. WHERE SIDES OF FOUNDATIONS (FOOTINGS, GRADE BEAMS OR WALLS) ARE CAST AGAINST EARTH WITHOUT FORMS, FOUNDATION SHALL BE WIDENED 1" AT EACH SUCH SURFACE.

10. EXCAVATION FOR FOOTINGS BELOW DEPTHS SHOWN ON DRAWINGS SHALL BE BACKFILLED WITH CONCRETE.

11. NOTIFY ENGINEER AT LEAST 48 HOURS BEFORE ANY CONCRETE IS TO BE PLACED OR FORMS CLOSED TO ALLOW FOR HIS INSPECTION OF EXCAVATIONS AND REINFORCING PLACEMENT. SEE ALSO SPECIAL INSPECTION REQUIREMENTS.

12. CONTRACTOR SHALL, PRIOR TO EXCAVATION, VERIFY FOOTING CONDITIONS AND FINISH GRADE/PAVING ELEVATIONS AT PERIMETER OF BUILDING. VERIFY THAT FOOTINGS HAVE SPECIFIED MINIMUM DEPTH BELOW ADJACENT GRADE AND THAT FOOTINGS DO NOT "DAYLIGHT" OR OTHERWISE INTERFERE WITH INTENDED EXTERIOR CONDITIONS. NOTIFY ENGINEER IF SUCH INTERFERENCE EXISTS PRIOR TO EXCAVATION.

13. IF LOADING OF CONCRETE ELEMENTS PRIOR TO 28–DAY AGE IS ANTICIPATED, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO SUBMITTAL OF CONCRETE MIX DESIGNS IN ORDER TO ALLOW SPECIFYING OF PROVISIONS FOR SUCH. PROVISIONS MAY INCLUDE COMPRESSION TEST CYLINDERS BE FIELD–CURED IN CONDITIONS MATCHING SUBJECT CONCRETE ELEMENTS, PLUS USE OF CEMENT TYPES AND/OR ADMIXTURES IN MIX DESIGNS TO PROVIDE THE REQUIRED COMPRESSIVE STRENGTHS AT ANTICIPATED AGES LESS THAN 28 DAYS. LOADING OF CONCRETE ELEMENTS BEFORE CURING FOR 28 DAYS WILL NOT BE APPROVED WITHOUT THESE PROVISIONS BEING SPECIFIED, AND MET BY CONTRACTOR.

CONCRETE MASONRY

1. ALL CONCRETE UNIT MASONRY WORK SHALL CONFORM TO CHAPTER 21 OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND 2016 EDITIONS OF TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6.

2. ALL BLOCK UNITS SHALL BE NORMAL OR MEDIUM–WEIGHT UNITS, WITH MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI, CONFORMING TO ASTM C90. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270. GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS, CONFORMING TO ASTM C476.

3. DESIGN OF MASONRY IS BASED ON COMPRESSIVE STRENGTH OF MASONRY f'm OF 1,500 PSI AND FULL ALLOWABLE STRESSES PER CBC. SPECIAL INSPECTION IS REQUIRED. SEE INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.

4. f'm COMPLIANCE SHALL BE VERIFIED BY THE "UNIT STRENGTH METHOD" PER TMS 602/ACI 530.1/ASCE 6 ARTICLE 1.4B.2. TEST UNITS PRIOR TO CONSTRUCTION. UNITS AND GROUT SHALL BE TESTED DURING CONSTRUCTION FOR EVERY 5,000 SQ. FEET OF WALL AREA. VERIFY MORTAR TYPE.

5. REINFORCING SHALL BE AS SPECIFIED FOR CONCRETE.

6. LAP ALL BARS 48 BAR–DIAMETERS, BUT NOT LESS THAN 24" AT ALL SPLICES. PROVIDE BEND PLUS 24" EXTENSION ON HORIZONTAL BARS AT ALL WALL INTERSECTIONS.

7. SEE CONCRETE & FOUNDATION NOTES FOR BOLTS EMBEDDED IN MASONRY. ALL ANCHOR BOLTS THROUGH FACE SHELLS OF MASONRY UNITS SHALL BE GROUTED IN PLACE WITH AT LEAST 1" OF GROUT BETWEEN BOLT AND SHELL, ALL AROUND BOLT.

8. REINFORCING BARS AND TIES SHALL BE HELD AT LEAST 1/2" CLEAR FROM MASONRY UNIT FACE SHELLS, EXCEPT BARS MAY BEAR ON CROSS WEBS OF BOND BEAM UNITS. PARALLEL BARS SHALL BE HELD AT LEAST 1" CLEAR BETWEEN, EXCEPT AT CONTACT LAP SPLICES.

9. UNITS SHALL BE LAID IN RUNNING BOND. USE OF OPEN–END UNITS THROUGHOUT IS ENCOURAGED. USE OF SPEED–BLOCK (NON–GROUTED OPEN–END UNITS) IS NOT ALLOWED. IF OPEN–END UNITS ARE NOT USED, ALL LINTEL HEAD JOINTS SHALL BE FILLED SOLID WITH MORTAR.

10. ALL STARTER (BOTTOM) COURSE UNITS SHALL BE INVERTED BOND–BEAM UNITS, TYPICAL THROUGHOUT. TOPS OF FOOTINGS RECEIVING MASONRY UNITS AND GROUT SHALL BE ROUGHENED TO FULL 1/8" AMPLITUDE (1/4" PEAK–TO–VALLEY), FOR FULL WIDTH OF UNITS.

11. GROUT ALL CELLS SOLID UNLESS NOTED OTHERWISE ON DRAWINGS. NO ITEMS OTHER THAN REBAR, STEEL CONDUIT AND ANCHOR BOLTS SHALL BE EMBEDDED IN CMU. ALL HOLES CREATED FOR EXTRACTION OF TESTING/SAMPLE CORES SHALL BE FILLED SOLID WITH APPROVED NON–SHRINK GROUT AND FINISHED TO MATCH TEXTURE OF ADJACENT FACE SHELL.

12. GROUTING SHALL BE DONE BY THE LOW–LIFT METHOD ONLY (UNITS LAID UP 4'–0" HIGH MAXIMUM AT A TIME, AND 4'–0" HIGH MAXIMUM LIFTS). ANY REQUESTS TO USE HIGH–LIFT GROUTING METHOD SHALL BE MADE AT LEAST TWO (2) WEEKS PRIOR TO LAYING UP OF UNITS, AND WILL BE CONSIDERED A CHANGE TO THE DRAWINGS. ADDITIONAL REQUIREMENTS FOR HIGH–LIFT METHOD WILL BE ISSUED AS A CHANGE ORDER.

STRUCTURAL STEEL

1. ALL STEEL AND MISC. IRON SHALL BE FABRICATED AND ERECTED IN CONFORMANCE WITH A.I.S.C. SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

2. STEEL MATERIAL SHALL BE AS FOLLOWS:
   PLATES, CHANNELS & ANGLES: ASTM A36 UNLESS NOTED OTHERWISE
   RECTANGULAR TUBES (TS OR HSS): ASTM A500 GRADE B, F_y=46 KSI
   PIPES (STD., X–STRG. & XX–STRG.): ASTM A53 GRADE B, F_y=35 KSI
   ROUND TUBES (HSS): ASTM A500 GRADE B, F_y=42 KSI
   HEADED STUDS: ASTM A108 TYPE B, F_y=51 KSI
   MACHINE BOLTS (M.B.): ASTM A307 GRADE A, A563 FOR NUTS, F844 FOR WASHERS
   ANCHOR BOLTS/RODS (A.B.): ASTM F1554 GRADE 36, A307 GRADE C, OR A36
   THREADED RODS: ASTM A307 OR A36 (MAY BE THREADED FOR ENTIRE LENGTH)
   WELDING ELECTRODES: E70XX

3. UNLESS NOTED OTHERWISE, ANCHOR BOLTS, MACHINE BOLTS AND THREADED ANCHOR RODS THROUGH STEEL AND EMBEDDED IN CONCRETE SHALL CONFORM TO ASTM F1554, A307 OR A36. ANCHOR BOLTS/RODS SHALL HAVE A STANDARD BOLT HEAD OR TIGHTENED DOUBLE NUTS. THREADED RODS SHALL HAVE TIGHTENED DOUBLE NUTS AT END. ANCHOR BOLT PROJECTION SHALL BE ADEQUATE FOR FULL ENGAGEMENT OF PLATES, WASHERS, NUTS, ETC. AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO PLACEMENT OF CONCRETE OR GROUT.

4. ALL WELDING ON STRUCTURAL STEEL SHALL CONFORM WITH AWS D1.1 CODE AND SHALL BE PRE–QUALIFIED WELDS CONFORMING TO AWS D1.1. UNLESS SPECIFICALLY INDICATED AS FIELD WELDING, ALL WELDS MAY BE PERFORMED IN SHOP OR FIELD.

5. HEADED STUDS SHALL BE WELDED WITH AUTOMATICALLY TIMED STUD WELDING EQUIPMENT. STUDS SHALL NOT BE FILLET– OR BUTT–WELDED UNLESS SPECIFICALLY SHOWN AS SUCH ON DETAILS.

6. ALL COMPLETE AND FULL PENETRATION GROOVE WELDS (DESIGNATED BY "C.P." OR "T.P.") SHALL USE BACK–UP PLATES UNLESS NOTED OTHERWISE. ALL PARTIAL–PENETRATION WELDS (DESIGNATED BY "P.P.") SHALL HAVE LARGEST EFFECTIVE THROAT ALLOWED BY AWS. GROOVE WELDS NOT NOTED WITH "C.P.", "T.P." OR "P.P" SHALL BE COMPLETE PENETRATION WELDS.

7. WELDING PROCEDURE SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT AND THE TESTING/INSPECTION LAB'S WELDING INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO START OF FABRICATION.

8. MINIMUM SPACING OF ALL BOLTS, 7/8"ø AND SMALLER IN STEEL SHALL BE 3" o.c. AND THE MINIMUM EDGE DISTANCE FROM CENTERLINE OF HOLE TO EDGE OF PLATE OR MEMBER SHALL BE 1–1/2", UNLESS NOTED OTHERWISE ON DRAWINGS. WHERE BOLTS ARE INSTALLED THROUGH FLANGES OF "W" OR SIMILAR SHAPES, THE BOLT GAGE SHALL BE AS RECOMMENDED BY AISC.

9. HOLES FOR BOLTS IN STEEL SHALL BE 1/16" MAXIMUM LARGER IN DIAMETER THAN BOLTS. HOLES FOR ANCHOR BOLTS SHALL NOT BE MORE THAN 5/16" LARGER FOR A.B.'S UP TO 1"ø, AND NOT MORE THAN 1/2" LARGER FOR A.B.'S OVER 1"ø. ALL HOLES SHALL BE DRILLED OR PUNCHED. BURNING OF HOLES IS NOT ALLOWED, WHETHER IN FIELD OR SHOP.

10. BEVELED WASHERS SHALL BE USED WHEN THE SURFACE AGAINST WHICH BOLT HEAD OR NUT BEARS IS SLOPED MORE THAN 1:20. BEVELED WASHERS SHALL BE SQUARE OR RECTANGULAR.

11. WASHERS THAT COVER ENTIRE SLOT SHALL BE USED OVER SMALL SLOTTED HOLES. PLATE WASHERS THAT COVER ENTIRE SLOT SHALL BE USED OVER LONG–SLOTTED HOLES.

12. ALL STRUCTURAL STEEL IN EXTERIOR SPACES OR EXPOSED TO VIEW IN INTERIOR SPACES SHALL BE PAINTED WITH TWO (2) COATS OF ALKYD RED OXIDE PRIMER, COMPLYING WITH SSPC–PAINT 25 OR U.S. FEDERAL SPEC TT–P–645, WITH MIN. DRY THICKNESS OF 2 MILS. SEE ARCHITECTURAL SPECS FOR FINISH PAINTING. STRUCTURAL STEEL IN ENCLOSED SPACES AND NOT EXPOSED TO WEATHER NEED NOT BE PAINTED OR PRIMED UNLESS NOTED OTHERWISE. STEEL TO BE EMBEDDED IN CONCRETE SHALL NOT BE PAINTED.

13. ALL NON–PAINTED STEEL FASTENERS EXPOSED TO WEATHER OR IN UNENCLOSED SPACES SHALL BE HOT–DIPPED GALVANIZED, UNLESS NOTED OTHERWISE. GALVANIZED BOLTS AND NUTS SHALL BE PROVIDED BY SAME MANUFACTURER.

14. ALL STRUCTURAL STEEL SPECIFIED ON DRAWINGS TO BE GALVANIZED SHALL BE HOT–DIPPED ZINC GALVANIZED WITH MIN. 1.8 OZ/SQ. FT. ON ALL SURFACES. GALVANIZING SHALL BE TOUCHED UP AT FIELD–WELDED CONNECTIONS, FIELD–DRILLED HOLES, OR FIELD–CUT EDGES WITH A HIGH–ZINC DUST–CONTENT PAINT.

TESTING AND SPECIAL INSPECTIONS

1. GENERAL
   - A) ALL TESTS AND SPECIAL INSPECTIONS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF 2022 CALIFORNIA BUILDING CODE (CBC) SECTION 1701.
   - B) TEST AND INSPECTION LAB SHALL BE EMPLOYED AND PAID FOR BY THE OWNER. COSTS OF RE–TESTING MAY BE BACK–CHARGED TO THE CONTRACTOR.
   - C) COPIES OF ALL TEST/INSPECTION REPORTS SHALL BE SUBMITTED TO ARCHITECT AND STRUCTURAL ENGINEER.

2. FOUNDATIONS (DRILLED PIERS & FOOTINGS), WALLS AND SLABS–ON–GRADE:
   - A) NOTIFY ENGINEER 48 HOURS BEFORE CONCRETE IS TO BE PLACED OR FORMS CLOSED TO ALLOW FOR INSPECTION OF EXCAVATIONS AND REINFORCING PLACEMENT.
   - B) SPECIAL INSPECTION IS REQUIRED PER CBC SECTION 1705.3.
   - C) THE TESTING LAB SHALL PERFORM THE FOLLOWING:
     - REVIEW ALL CONCRETE MIX DESIGNS. ALL DESIGNS SHALL BE SUBMITTED TO AND APPROVED BY TESTING AGENCY PRIOR TO ORDERING CONCRETE.
     - FOR EACH CONCRETE MIX PLACED, AGENCY SHALL CAST (4) TEST CYLINDERS IN ACCORDANCE WITH ASTM C31 FOR EACH 50 CUBIC YARDS OR 2000 SQUARE FEET, OR FRACTION THEREOF, OF CONCRETE PLACED EACH DAY, AND TRANSPORT CYLINDERS TO LAB. TEST CYLINDERS IN ACCORDANCE WITH ASTM C39. TEST (1) CYLINDER AT 7 DAYS AND (2) CYLINDERS AT 28 DAYS. HOLD LAST TEST CYLINDER FOR 60 DAYS.
     - INSPECT FINAL PLACEMENT OF ALL REINFORCING AS INDICATED ON DETAILS PRIOR TO CONCRETE PLACEMENT.
     - PROVIDE CONTINUOUS INSPECTION OF CONCRETE PLACEMENT.
   - D) SEE ITEM 4 BELOW FOR INSPECTIONS BY GEOTECHNICAL ENGINEER.

3. CONCRETE UNIT MASONRY: TESTING LAB SHALL:
   - A) SPECIAL INSPECTION IS REQUIRED PER CBC SECTION 1705.4.
   - B) VERIFY f'm COMPLIANCE PER UNIT STRENGTH METHOD PER CBC SECTION 2105.
   - C) VERIFY REINFORCING PLACEMENT.
   - D) INSPECT GROUT SPACES
   - E) INSPECT PLACEMENT OF GROUT.

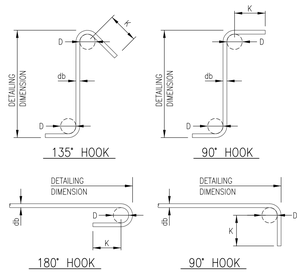
4. WELDING OF STRUCTURAL AND REINFORCING STEEL. TESTING LAB SHALL:
   - A) VERIFY CERTIFICATION OF WELDERS AT START OF WORK.
   - B) REVIEW WELDING PROCEDURE SPECIFICATIONS SUBMITTED BY FABRICATOR.
   - C) PROVIDE CONTINUOUS INSPECTION OF ALL COMPLETE AND PARTIAL PENETRATION GROOVE WELDS, AND ALL FILLET WELDS 3/8" AND LARGER.
   - D) PROVIDE PERIODIC INSPECTION OF ALL FILLET WELDS 5/16" AND SMALLER.
   - E) TEST WELDS AS DEEMED NECESSARY BY THE INSPECTION AGENCY TO ENSURE ADEQUACY OF WELDS AND CONFORMANCE TO THE DRAWINGS AND SPECIFICATIONS.

4. INSPECTIONS BY GEOTECHNICAL ENGINEER: AS SPECIFIED IN GEOTECHNICAL REPORT.

SHOP DRAWING SUBMITTALS

1. PROVIDE SHOP DRAWINGS FOR THE FOLLOWING MATERIALS/PRODUCTS:
   - A) CONCRETE MIX DESIGNS (SUBMIT TO TESTING/INSPECTION AGENCY)
   - B) CONCRETE & MASONRY REINFORCING
   - C) CONCRETE MASONRY UNITS
   - D) CONCRETE MASONRY GROUT MIX DESIGN (SUBMIT TO TESTING/INSPECTION AGENCY)
   - E) STRUCTURAL STEEL AND MISC. METALS

2. SEE SPECIFICATIONS FOR OTHER SUBMITTALS AND SUBMITTAL PROCEDURE.

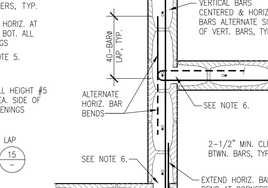


STANDARD HOOKS			
BAR SIZE	"D" IN	180° HOOKS "K"	90° HOOKS "K"
#3	2–1/4"	2–1/2"	4–1/2"
#4	3"	2–1/2"	6"
#5	3–3/4"	2–1/2"	7–1/2"
#6	4–1/2"	3"	9"
#7	5–1/4"	3–1/2"	10–1/2"
#8	6"	4"	12"

STIRRUP AND TIE HOOKS				
BAR SIZE	"D" IN	180° HOOKS "K"	135° HOOKS "K"	90° HOOKS "K"
#3	1–1/2"	2–1/2"	3"	3"
#4	2"	2–1/2"	3"	3"
#5	2–1/2"	2–1/2"	3–3/4"	3–3/4"
#6	4–1/2"	3"	4–1/2"	9"

5 TYPICAL REBAR BENDS AND HOOKS

NO SCALE

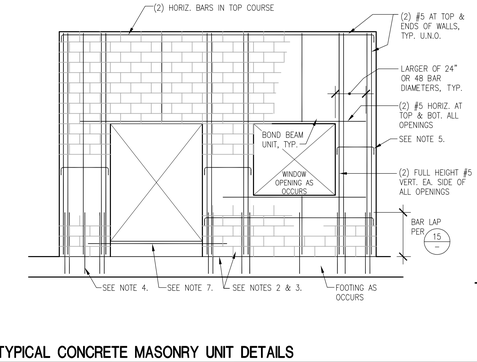


REBAR LAP SPLICE LENGTHS (Ls)			
BAR SIZE	HARD ROCK (REG. WT.) CONCRETE CLASS B SPLICE TYP., U.N.O.	TOP BARS (SEE NOTE 1)	GROUTED MASONRY (CMU)
#3	16"	19"	27"
#4	19"	25"	36"
#5	36"	47"	45"
#6	43"	56"	54"
#7	63"	81"	63"
#8	72"	93"	72"
#9	81"	105"	–
#10	90"	116"	–
#11	98"	128"	–

NOTES:
1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS, IN SAME POUR AS BARS (AS IN DEEP BEAM OR FOOTING POURS, ETC.).
2. STAGGER LAPS IN SUCCESIVE PARALLEL BARS IN SLABS AND WALLS A DISTANCE EQUAL TO THE REQUIRED LAP SPLICE LENGTH, BUT NOT LESS THAN 24" (ALONG LENGTH OF BARS).
3. ALL LAP SPLICES SHALL BE CONTACT OR NON–CONTACT TYPE, AS SHOWN.
4. INCREASE SCHEDULED LAP LENGTHS BY 30% WHEN IN LIGHT WEIGHT CONCRETE.

11 TYPICAL REBAR LAP SPLICES

NO SCALE

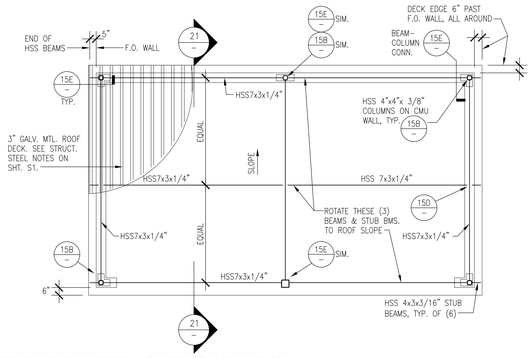


TYP. WALL INTERSECTION PLAN

1. USE DOUBLE–OPEN–END UNITS, TYPICAL. USE SINGLE–OPEN–END UNITS AT WALL ENDS, CORNERS AND JAMBS OF OPENINGS.
2. BOTTOM COURSE SHALL BE INVERTED BOND BEAM UNITS, TYP. U.N.O.
3. ROUGHEN TOP OF FOOTING TO FULL 1/8" AMPLITUDE BELOW FULL WIDTH OF MASONRY UNITS, TYP.
4. PROVIDE FOOTING DOWELS TO MATCH SIZE & LOCATION OF EVERY VERTICAL WALL BAR, TYP.
5. PROVIDE 90° STD. HOOK TURNED DOWN AT ENDS OF ALL HORIZ. BARS NOT AT WALL INTERSECTIONS.
6. BREAK OUT FACE–SHELL AT INTERSECTIONS TO ALLOW HORIZ. BARS & GROUT TO PASS FREELY THROUGH.
7. PROVIDE SLAB NOSE BARS AT DOOR OPENINGS IN EXTER. WALLS PER OTHER DETAILS.
8. ALL CELLS ARE GROUTED SOLID, TYPICAL.

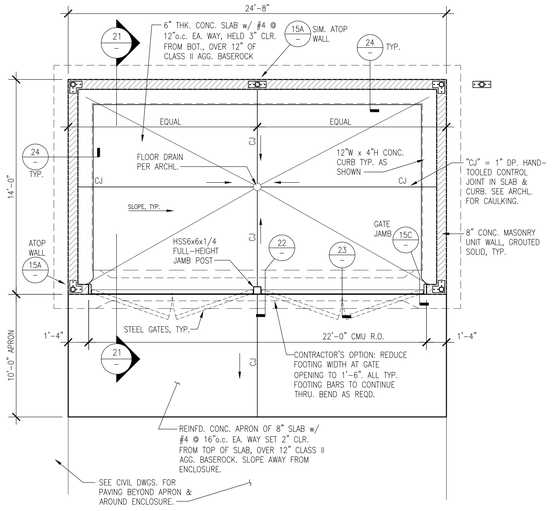
TYP. CMU WALL NOTES

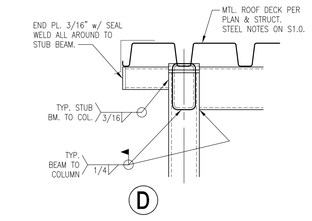
22 TYPICAL CONC

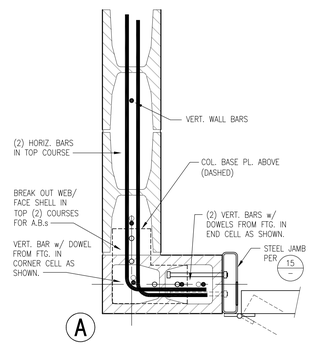


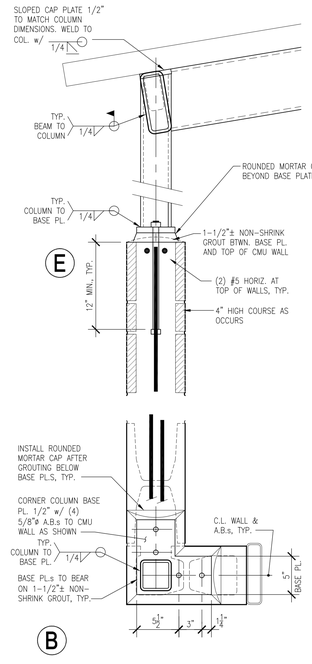
13 TRASH ENCLOSURE - ROOF FRAMING PLAN

3/4"=1' 0"



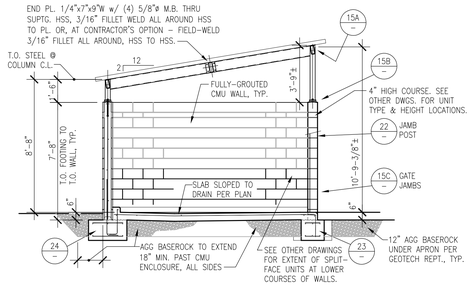


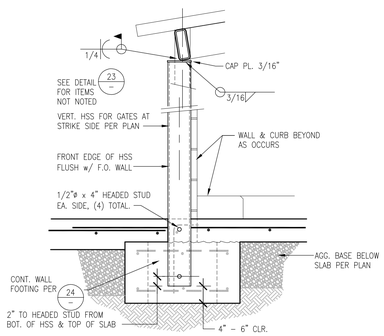


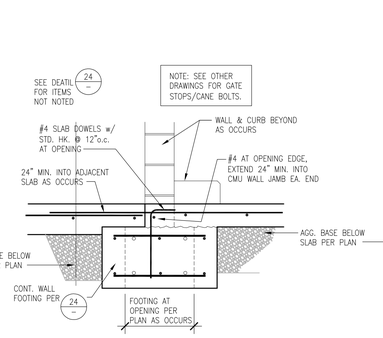


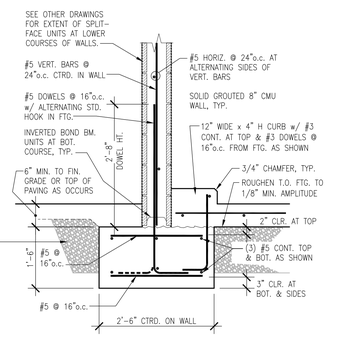
15 TRASH ENCLOSURE - GATE DETAILS

3/4"=1' 0"









19 TRASH ENCLOSURE - FOUNDATION PLAN

1/4"=1' 0"

21 TRASH ENCLOSURE - SECTION

1/4"=1' 0"

22 PERIMETER HSS COLUMN & FOOTING

3/4"=1' 0"

23 PERIMETER WALL FOOTING AT GATE

3/4"=1' 0"

24 PERIMETER WALL & FOOTING

3/4"=1' 0"

NO.	DESCRIPTION	DATE	BY
1	60% SUBMITTAL	8/21/23	VERDE
2	95% SUBMITTAL	11/28/23	VERDE
3	BID SUBMITTAL	1/31/24	VERDE

Revisions

WORK ACCEPTED: INSPECTOR:
AS-BUILT CORRECTIONS
BY: DATE:

DRAWN: JJQ DESIGN: VERDE
CHECKED: TDH
APPROVED: DATE:
HOR: AS SHOWN
VERT: AS SHOWN
JOB NUMBER: 2214701

SCOTT C. CREER RCE 58879 EXP. DATE 6-30-2025

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Morgan Hill, CA 95037 AKHSE.com Job M23-014

STRUCTURAL DETAILS
BUTTERFIELD PARK PHASE 1 DEVELOPMENT

FILE NUMBER:
PRINT DATE: 1/31/24
SHEET NUMBER: S4.1

BID SUBMITTAL 1/31/24

BUTTERFIELD PARK PHASE 1 DEVELOPMENT

DWG File: P:\Verde Design\M23-014 Butterfield Park\Dwgs\Structural\S4.1 - DETAILS.dwg