1. THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS NOTED OR SPECIFIED FOR MORE SPECIFIC REQUIREMENTS APPLICABLE TO PARTICULAR DIVISIONS OF THE WORK. SEE SPECIFICATIONS AND SHEET NOTES CONTAINED IN SUBSECTIONS OF THESE DRAWINGS.
2. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AND THE SPECIFICATIONS SUPPLEMENT THESE DRAWINGS AND ARE A PART OF THE CONTRACT DOCUMENTS.
3. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL BUILDING CODES AND REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS APPLICABLE TO SPECIFIC TRADES OR SUBCONTRACTORS' WORK.
4. CONTRACTOR SHALL EXAMINE THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND WILL HAVE SATISFIED THEMSELVES AS TO THE CONDITION OF EXISTING WORK PRIOR TO SUBMISSION OF FINAL BID. ANY CONFLICTS OR DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECTS' AND OWNERS REPRESENTATIVE'S ATTENTION PRIOR TO COMMENCING WORK.
5. BY ACCEPTING AND USING THESE DRAWINGS, CONTRACTOR AGREES THAT THEY 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.
6. CONTRACTOR ACKNOWLEDGES THOROUGH FAMILIARIZATION WITH THE BUILDING SITE CONDITIONS, WITH THE DRAWINGS AND SPECIFICATIONS, WITH THE DELIVERY FACILITIES, AND ALL OTHER MATTERS AND CONDITIONS WHICH MAY AFFECT THE OPERATIONS AND COMPLETION OF THE WORK, AND ASSUMES ALL RISK THEREFROM.
7. CONTRACTOR SHALL COORDINATE THE WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS AND SHALL BE RESPONSIBLE FOR ANY ACTS, OMISSIONS OR ERRORS OF THE SUBCONTRACTORS AND OF PERSONS DIRECTLY OR INDIRECTLY EMPLOYED BY THEM.
8. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS IN FIELD. ON DRAWINGS, ONLY WRITTEN DIMENSIONS SHALL BE USED. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE MADE COMPLETELY RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. ARCHITECT MUST BE NOTIFIED IN WRITING OF ANY PROPOSED OR REQUIRED VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN, AND A WRITTEN CHANGE ORDER ISSUED BEFORE MAKING ANY CHANGES AT THE JOB SITE.
9. ALL CONSTRUCTION MATERIALS AND SUPPLIES TO BE STORED, HANDLED AND INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
10. DRAWINGS INDICATE NEW CONSTRUCTION UNLESS NOTED AS (E) FOR "EXISTING".
11. THE CONTRACTOR SHOULD ANTICIPATE BASED ON EXPERIENCE, A REASONABLE NUMBER OF ADJUSTMENTS AND REPAIR TO EXISTING CONDITIONS TO BE NECESSARY TO MEET THE DESIGN OBJECTIVES.
12. WHEN SPECIFIC FEATURES OF CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, OR CALLED FOR IN THE GENERAL NOTES, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS.
13. SEE ADDITIONAL NOTES ON SHEET C0.1

4 G0.00 GENERAL NOTES
SCALE: N/A

SCOPE OF WORK

SITE IMPROVEMENTS REQUIRED FOR THE INSTALLATION OF EV CHARGING STATIONS AT THE ADULT MENTAL HEALTH CENTER IN THE CITY OF BERKELEY:

- DEMOLITION, GRADING, DRAINAGE, PAVING, PAINTING AND FOUNDATION WORK AS REQUIRED TO INSTALL EV CHARGING STATION STRUCTURES.
- COORDINATION AND INSTALLATION OF EV CHARGING STATION, PER MANUFACTURER'S RECOMMENDATIONS.
- COORDINATION OF ELECTRICAL ROUTING FROM BUILDING POWER SUPPLY TO EV CHARGERS.
- SCOPE IS FOR ELECTRICAL WORK ONLY. ANY WORK IN THE PUBLIC RIGHT OF WAY TO HANDLE BY PUBLIC WORKS. AM ENGINEERING PERMIT WILL BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO CONSTRUCTIONS STAGING, RESERVED CONSTRUCTION PARKING, SIDEWALK, DRAINAGE, OR SEWER WORK. APPROVAL OF BUILDING PERMIT DOES NOT AUTHORIZE WORK IN THE PUBLIC RIGHT-OF-WAY. THE ENGINEERING PERMIT MUST BE ISSUED PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.

REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR CHARGING STATIONS.

1

CONSTRUCTION WASTE MANAGEMENT

CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT BY SELECTED CONTRACTOR VIA GREEN HALO APPLICATION AT https:/wastetracking.com/city/berkeley/ IN ACCORDANCE WITH CGBSC 301.3.2 AND BMC 19.37.040.

1

3 G0.00 PROJECT DESCRIPTION
SCALE: N/A

OWNER

CITY OF BERKELEY PUBLIC WORKS
1947 CENTER STREET, 5TH FLOOR
BERKELEY, CA 94704
(510) 687-6410
CONTACT: ELMAR KAPFER

ARCHITECT

SIEGEL & STRAIN ARCHITECTS
6201 DOYLE ST, SUITE B
EMERYVILLE, CA 94608
(510) 547-8092
CONTACT: KAREN RICHARDS

CIVIL ENGINEER

CSW / ST2
2001 ADDISON STREET
BERKELEY, CA 94704
(415) 883-9850
CONTACT: JEB DIAZ

STRUCTURAL

IDA STRUCTURAL ENGINEERS , INC
1629 TELEGRAPH AVENUE SUITE 300
OAKLAND, CA 94612
(510) 834-1629
CONTACT: JASON LEE

ELECTRICAL

INTERFACE ENGINEERING INC
1999 HARRISON STREET, SUITE 550
OAKLAND, CA 94612
(415) 489-7240
CONTACT: WESLEY LAU

2 G0.00 PROJECT TEAM
SCALE: N/A

GENERAL

G0.0 - 4A COVER SHEET - 4A

CIVIL

C0.01 - 4A CIVIL INDEX, GENERAL NOTES, AND LEGEND
C1.00 - 4A EXISTING CONDITIONS / DEMOLITION PLAN
C1.01 - 4A LAYOUT PLAN
C1.02 - 4A COMPOSITE PLAN
C2.00 - 4A CONSTRUCTION DETAILS
C3.00 - 4A EROSION CONTROL PLAN

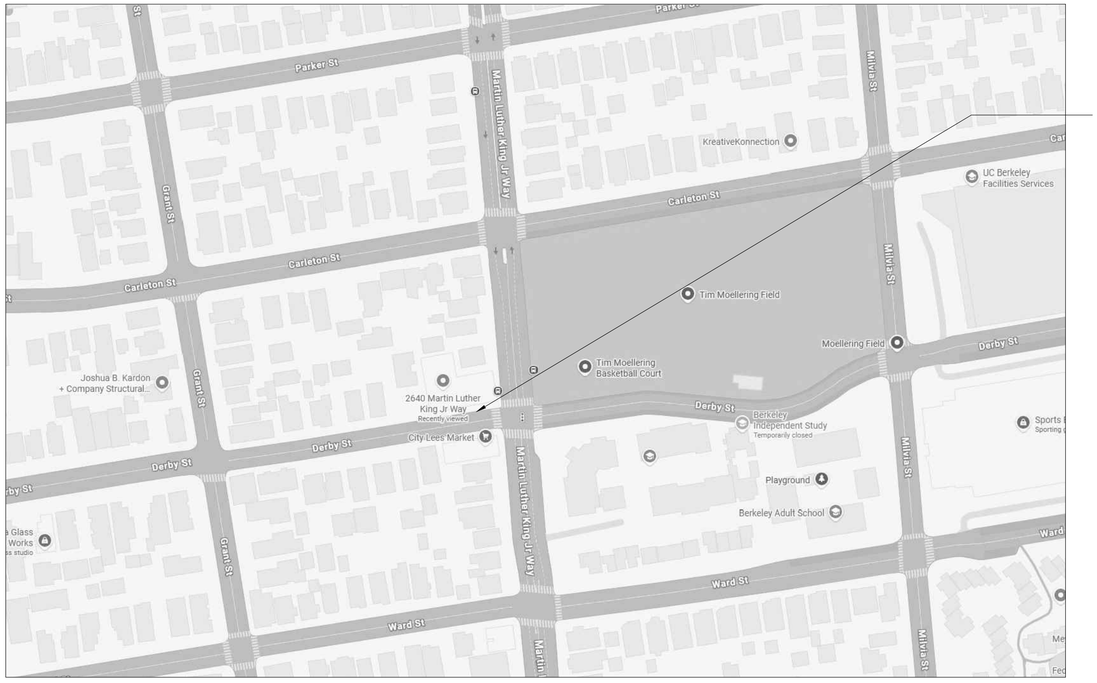
STRUCTURAL

S0.01 - 4A GENERAL NOTES
S1.01 - 4A PLAN AND DETAILS

ELECTRICAL

E0.0 - 4A SYMBOL LIST, GENERAL NOTES & SHEET INDEX - ELECTRICAL
E0.1 - 4A POLLUTION PREVENTION PLAN
E1.0 - 4A SITE PLAN - POWER
E2.0 - 4A ENLARGED PLAN, PARTIAL SINGLE LINE DIAGRAM & SCHEDULES - ELECTRICAL

1 G0.00 SHEET INDEX
SCALE: N/A



PROJECT SITE 4A
2640 MARTIN LUTHER KING JR. WAY

6 G0.00 VICINITY MAP
SCALE: N/A

N

APPLICABLE CODES

2025 CALIFORNIA BUILDING CODE
2025 CALIFORNIA ELECTRICAL CODE
2025 CALIFORNIA MECHANICAL CODE
2025 CALIFORNIA PLUMBING CODE
2025 CALIFORNIA ENERGY CODE
2025 CALIFORNIA FIRE CODE
2025 CALIFORNIA GREEN BUILDING CODE

CITY OF BERKELEY MUNICIPAL CODE AND ALL OTHER APPLICABLE STATE AND LOCAL ORDINANCES AND REGULATIONS

THE FOLLOWING IS A SUMMARY OF THE PRIMARY BUILDING CODE ISSUES RELATED TO THE PROJECT. CODE REFERENCES, WHERE PROVIDED, ARE PARAPHRASED AND ARE NOT INTENDED TO BE COMPLETE.

5 G0.00 APPLICABLE CODES
SCALE: N/A

Project Title:

CITY OF BERKELEY EV CHARGING PROJECT

ADULT MENTAL HEALTH CENTER
2640 MARTIN LUTHER KING JR. WAY
BERKELEY, CA

APN #: 54-1811-3

Design Firm:

SIEGEL & STRAIN Architects
6201 Doyle Street, Suite B
Emeryville, CA 94608
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www.siegelstrain.com

Consultant:

LICENSED ARCHITECT
KAREN RICHARDS
No. C-32146
Exp: 08-31-27
STATE OF CALIFORNIA

No.	Date	Issue
	03/27/26	PERMIT SET
1	06/03/26	PLAN CHECK #1

Issue Note:
PERMIT RESUBMITTAL 08/10/2026

Project ID: EVB
File Name:
Drawn By: FO
Review By: KR
Plot Date:
Sheet Title:
COVER SHEET

Sheet No.:
G0.0-4A

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SHEET INDEX

C0.01-4A	CIVIL INDEX, NOTES AND LEGEND
C1.00-4A	EXISTING CONDITIONS / DEMOLITION PLAN
C1.01-4A	LAYOUT PLAN
C1.02-4A	COMPOSITE PLAN
C2.00-4A	CONSTRUCTION DETAILS
C3.00-4A	EROSION CONTROL PLAN

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
BFP	BACKFLOW PREVENTER
CL	CENTERLINE
COB	CITY OF BERKELEY
CONC	CONCRETE
CP	CONTROL POINT
DWY	DRIVEWAY
E	ELECTRIC
EBMUD	EAST BAY MUNICIPAL WATER DISTRICT
EG	EXISTING GRADE
EL / ELEV	ELEVATION
EX	EXISTING
FG	FINISH GRADE
FL	FLOW LINE
FS	FINISH SURFACE
GB	GRADE BREAK
INV	INVERT
LF	LINEAR FEET
MH	MAINTENANCE HOLE
NTS	NOT TO SCALE
ROW	RIGHT OF WAY
SD	STORM DRAIN
SF	SQUARE FEET
SS	SANITARY SEWER
STD	STANDARD
TC	TOP OF CURB
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W	WATER
XMFR	TRANSFORMER

CONSTRUCTION NOTES:

1. SAWCUT EXISTING PAVEMENT AT LIMIT OF WORK, TYPICAL.
2. PROTECT AND PRESERVE ALL SURVEY MONUMENTS. SEE MONUMENT PRESERVATION NOTE BELOW.
3. PROTECT ALL DRAINAGE AND SEWAGE STRUCTURES AND PIPES FROM INFILTRATION OF ALL CONSTRUCTION DEBRIS FOR THE DURATION OF THE WORK.

GENERAL NOTES:

1. ALL MEASURED DISTANCES AND DIMENSIONS ARE SHOWN IN DECIMAL FEET THEREOF.
2. UTILITIES AS SHOWN CONFORM TO AVAILABLE RECORD DATA. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTHS BY POTHOLING OF ALL UTILITIES WITH APPROPRIATE AGENCIES, AND TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, EQUIPMENT, FOR INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF ALL SURFACE WATER POLLUTION PREVENTION MEASURES THROUGHOUT THE FULL EXTENT OF THE PROJECT. SURFACE WATER IS CLASSIFIED AS ANY BODY OF WATER ABOVE GROUND.
5. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED OVERHEAD CLEARANCES.
6. ALL MAINTENANCE HOLES, CLEANOUTS AND WATER VALVES SHALL BE ADJUSTED TO GRADE WITHIN 48 HOURS OF PAVING. ALL PAVING SHALL BE COMPLETED WITHIN 24 HOURS OF RAISING THE UTILITY TO GRADE.
7. REVOCABLE ITEM - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL UTILITY BOXES TO THE GRADE OF THE FINISHED SIDEWALK OR GUTTER PRIOR TO THE POUR, INCLUDING COORDINATING WITH ALL UTILITY PROVIDERS AND/OR CLEANING AND CLEARING OF CONCRETE MORTAR FROM ALL UTILITY BOXES IN THE AREA SO THEY ARE FULLY ACCESSIBLE UPON COMPLETION OF THE SIDEWALK INSTALLATION.
8. PAVEMENT MARKINGS DISTURBED, DAMAGED IN ANY FORM, OR TO ANY DEGREE WHILE THE CONTRACTOR HAS CUSTODY OF THE SITE SHALL BE REPLACED IN THEIR ENTIRETY AT CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL CONTACT CITY ARBORIST IN ADVANCE OF ANY DEMOLITION. CONTRACTOR SHALL ADHERE TO CITY SPECIFICATIONS AND RECOMMENDATIONS FOR TREE PRESERVATION.
10. TREE PROTECTION - PROVIDE FOR WRAPPING TREES, KEEPING EXPOSED ROOTS MOIST, AND USE OF AIR TOOLS FOR EXCAVATING. MEET WITH CITY ARBORIST BEFORE ANY WORK IS DONE.
11. AN ENGINEERING PERMIT WILL BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO CONSTRUCTION STAGING, RESERVED CONSTRUCTION PARKING, SIDEWALK, DRAINAGE, OR SEWER WORK. APPROVAL OF THIS BUILDING PERMIT DOES NOT AUTHORIZE WORK IN THE PUBLIC RIGHT-OF-WAY. THE ENGINEERING PERMIT MUST BE ISSUED PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.

POLLUTION CONTROL NOTES:

1. IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE CITY ENGINEER IMMEDIATELY.
2. CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL AND/OR BROOM AND PLACED IN STOCKPILES.
3. ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.
4. ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY ALAMEDA COUNTY, THE CITY OF BERKELEY, OR OTHER AGENCIES. ALL CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY CITY, STATE OR LOCAL AGENCIES.
6. CONTRACTOR SHALL LOCATE STORAGE, DELIVERY, OR WASH-OUT AREAS, TO SUIT THEIR OPERATIONS. CONTRACTOR TO MAINTAIN SECONDARY CONTAINMENT AS NECESSARY TO PROHIBIT POLLUTION AND TOXIC MATERIALS FROM ENTERING STORM DRAIN.
7. CONTRACTOR SHALL UTILIZE SILT FILTERS DURING CONCRETE CONSTRUCTION NEAR EXISTING STORM DRAINAGE SYSTEM. AFTER COMPLETION OF THE SIDEWALK, DRIVEWAYS, CURB, GUTTER, AND PAVING, THE SILT FILTERS SHALL BE MODIFIED TO BURLAP SACKS FILLED WITH 3/4" DRAIN ROCK OR OTHER ACCEPTED BMP POSITIONED SURROUNDING EACH CATCH BASIN.

EROSION CONTROL NOTES:

1. NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PUBLIC STREETS.
2. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE YEAR ROUND.
3. DURING THE RAINY SEASON, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE WILL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE IMPROVEMENTS ARE ACCEPTED BY THE CITY, AND ALL SLOPES ARE STABILIZED FROM EROSION.

URBAN RUNOFF POLLUTION NOTES:

1. STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY FOR THE DURATION OF THE PROJECT.
2. REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK- PILED SOILS AND OTHER MATERIALS SHALL BE TARPED, AT THE REQUEST OF THE ENGINEER.
3. STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASH WATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
4. USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
5. NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
6. CONTRACTOR TO RELOCATE CONCRETE WASHDOWN, VEHICLE STORAGE DELIVERY, AND NON HAZARDOUS WASTE AREAS AS NECESSARY TO FACILITATE THEIR OPERATION AND PROMOTE POLLUTION CONTROL.

BMP IMPLEMENTATION SCHEDULE:

1. BMP'S APPROPRIATE FOR THE WORK BEING DONE SHALL BE IN PLACE AT ALL TIMES.
2. PERIMETER CONTROL, EXISTING INLET PROTECTION, AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
3. ALL OTHER BMP'S SHALL BE INSTALLED AT COMPLETION OF CONSTRUCTION OF EACH INLET.

LINETYPES

EXISTING		PROPOSED
	EDGE OF BUILDING	N/A
30	CONTOUR - MAJOR	N/A
	CONTOUR - MINOR	N/A
SS	SANITARY SEWER	SS
	STORM DRAIN	N/A
W	WATER	N/A

SYMBOLS

EXISTING		PROPOSED
	SIGN	
	TRAFFIC LIGHTS	N/A
SSCO	SANITARY SEWER - CLEANOUT	SSCO
SS	SANITARY SEWER - MANHOLE	N/A
SD	STORM DRAINAGE - MAINTENANCE HOLE	SD
W	WATER BOX	N/A
	BIKE RACK	N/A
EV	EV CHARGER	EV
	PULL BOX	PB
	TREE	N/A
	FOUND / SET - CONTROL POINT	

LEGEND

NON-TRAFFIC RATED CONCRETE (SEE DETAIL 4, SHEET C2.00-4A)

HMA PLUG (TYPE A, 8" MIN.)

SURVEY CONTROL POINTS

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
106	2140340.074	6050181.495	122.98	CP MN SW
107	2140499.468	6050183.712	125.09	CP MN SW
108	2140390.712	6050310.975	125.91	CP MN SW

PRESERVATION OF SURVEY MONUMENTS

ALL CITY OF BERKELEY MONUMENTS LOCATED WITHIN THE PROJECT AREA MUST BE REFERENCED, PRIOR TO WORK COMMENCING, BY A LICENSED LAND SURVEYOR AS REQUIRED BY SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. CORNER RECORDS OF THIS WORK MUST BE SUBMITTED FOR FILING TO BOTH THE COUNTY SURVEYOR OF ALAMEDA COUNTY, AND THE CITY OF BERKELEY PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION, SURVEY SECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF EXISTING SURVEY MONUMENTS, BENCHMARKS, REFERENCE MARKS AND STAKES. SHOULD ANY SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS, OR STAKES BE DAMAGED OR DESTROYED DURING THE PERFORMANCE OF THIS WORK, THE CONTRACTOR SHALL REPLACE SAID ITEMS PER CITY STANDARDS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND CONTACT A CITY OF BERKELEY, SURVEY SECTION, CHIEF OF PARTY FOR FINAL INSPECTION AND ACCEPTANCE OF THE WORK.

Project Title:

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EV CHARGING PROJECT
ADULT MENTAL HEALTH CENTER
2640 MARTIN LUTHER KING JR. WAY
BERKELEY, CA

APN #: 54-1811-3

Design Firm:

SIEGEL & STRAIN Architects
6201 Doyle Street, Suite B
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Consultant:

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REGISTERED PROFESSIONAL ENGINEER
FRED B. DIAZ
No. C90534
CIVIL
STATE OF CALIFORNIA

No.	Date	Issue
	3/27/26	PERMIT SET

Issue Note:

PERMIT RESUBMITTAL 08/10/2026

Project ID: EVB

File Name:

Drawn By:

Review By:

Plot Date:

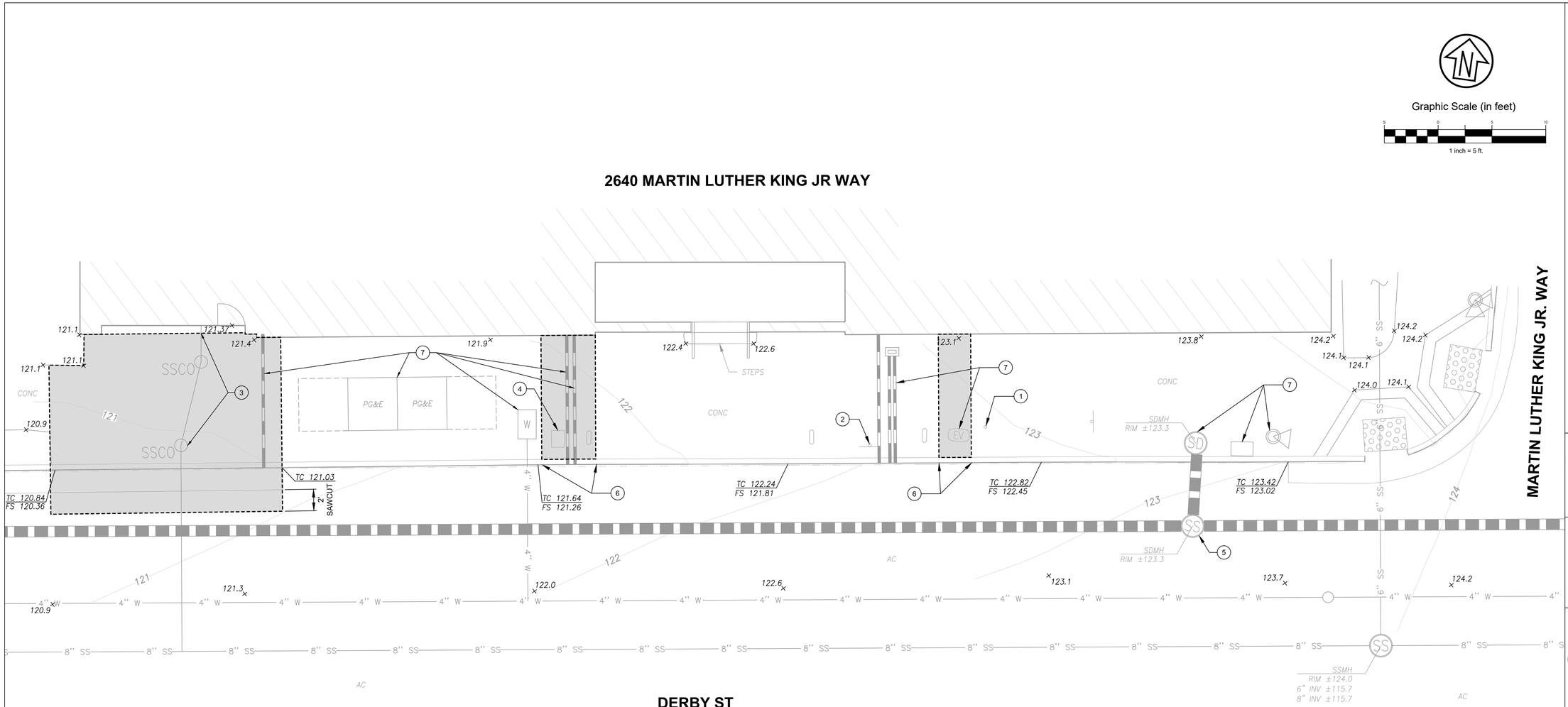
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CIVIL INDEX, GENERAL NOTES, AND LEGEND

Sheet No.:

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KEYNOTES

1. REMOVE AND DISPOSE SIGN POST, GRIND FLUSH TO EXISTING GRADE AND PLUG VOIDS WITH CDF
2. REMOVE AND DISPOSE SIGN POST, SALVAGE EX. SIGN, TO BE RELOCATED
3. REMOVE AND DISPOSE ±11 LF EXISTING SEWER LATERAL AND SEWER CLEANOUTS, TO BE REPLACED
4. SALVAGE EXISTING UTILITY BOX, TO BE RELOCATED
5. REPLACE SSMH LID WITH SDMH LID, RETURN SSMH LID TO CITY CORP YARD
6. PROTECT IN PLACE EXISTING CURB (TO REMAIN)
7. PROTECT IN PLACE EXISTING UTILITY (TO REMAIN)

LEGEND

SAWCUT, REMOVE AND DISPOSE CONCRETE CURB, GUTTER, FLATWORK TO NEAREST JOINT BEYOND (INCLUDING BASEROCK)

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JED B. DIZ
No. C90534
CIVIL
STATE OF CALIFORNIA

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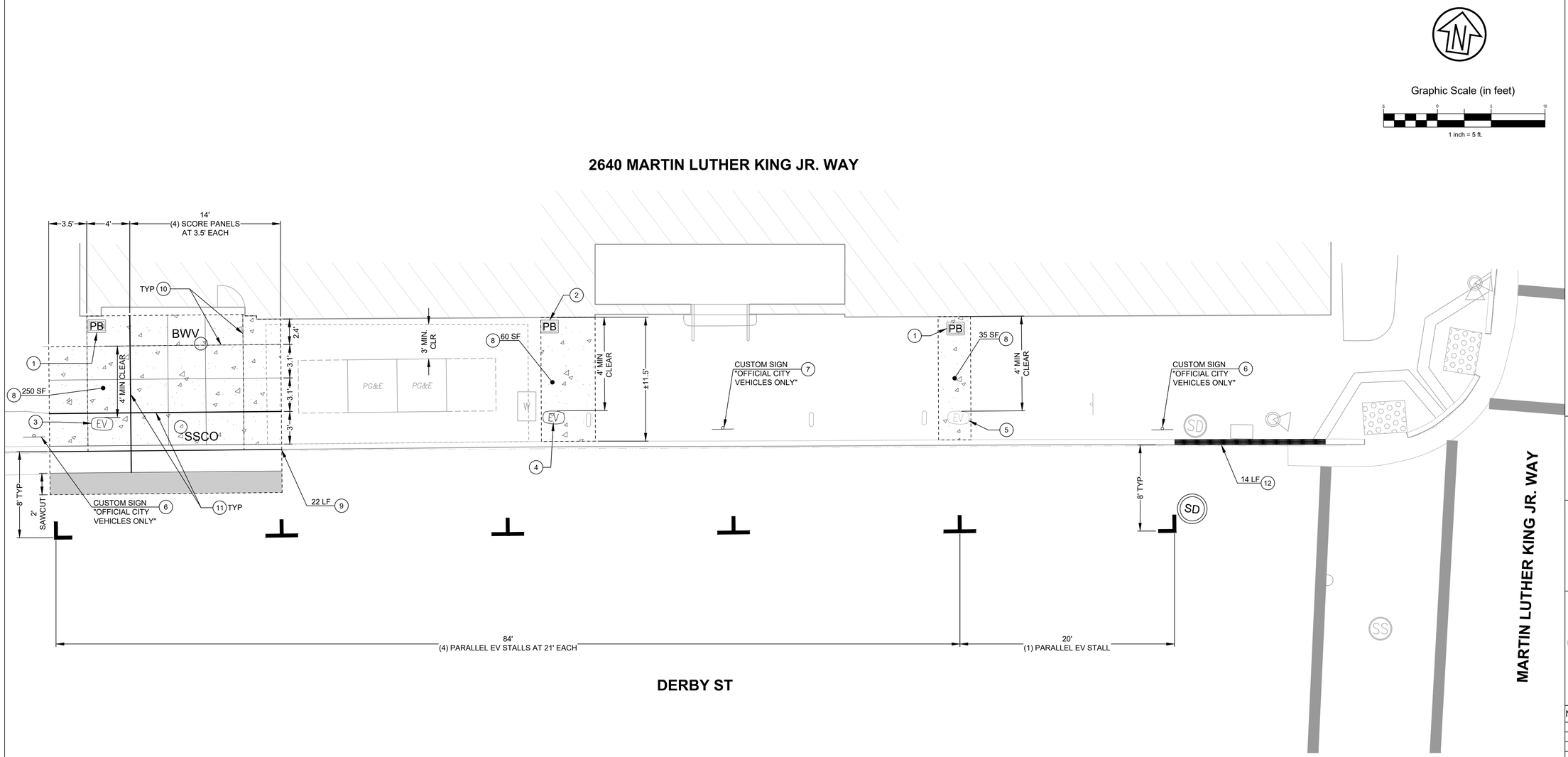
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EXISTING CONDITIONS / DEMOLITION PLAN

Sheet No.:

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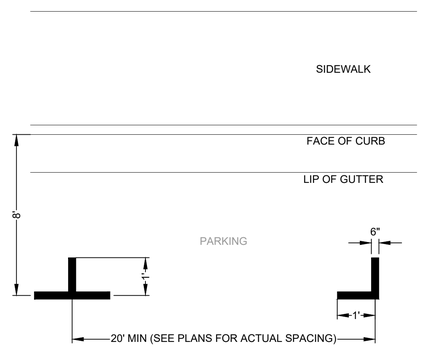
Graphic Scale (in feet)

5 0 5 10

1 inch = 5 ft.

KEYNOTES

1. INSTALL PULLBOX
2. RELOCATED PULLBOX
3. INSTALL SINGLE EV CHARGER, SEE ELECTRICAL PLANS
4. INSTALL DUAL EV CHARGER, SEE ELECTRICAL PLANS
5. EXISTING EV CHARGER TO REMAIN
6. NEW SIGN AND POST PER DETAIL 3, SHEET C2.00-4A, SEE PLANS FOR CUSTOM SIGN DESIGNATION
7. INSTALL SALVAGED SIGN ON NEW POST AND FOUNDATION PER DETAIL 3, SHEET C2.00-4A, SEE PLANS FOR CUSTOM SIGN DESIGNATION
8. CONCRETE PAVEMENT PER DETAIL 4, SHEET C2.00-4A
9. CURB AND GUTTER PER COB STD. PLAN 8145
10. CONTROL JOINT FOR CONCRETE PAVEMENT PER DETAIL 6, SHEET C2.00-4A
11. EXPANSION JOINT FOR CONCRETE PAVEMENT PER DETAIL 7, SHEET C2.00-4A
12. RED CURB PAINT



1 "T" PARKING SPACE MARKING
SCALE: N.T.S.

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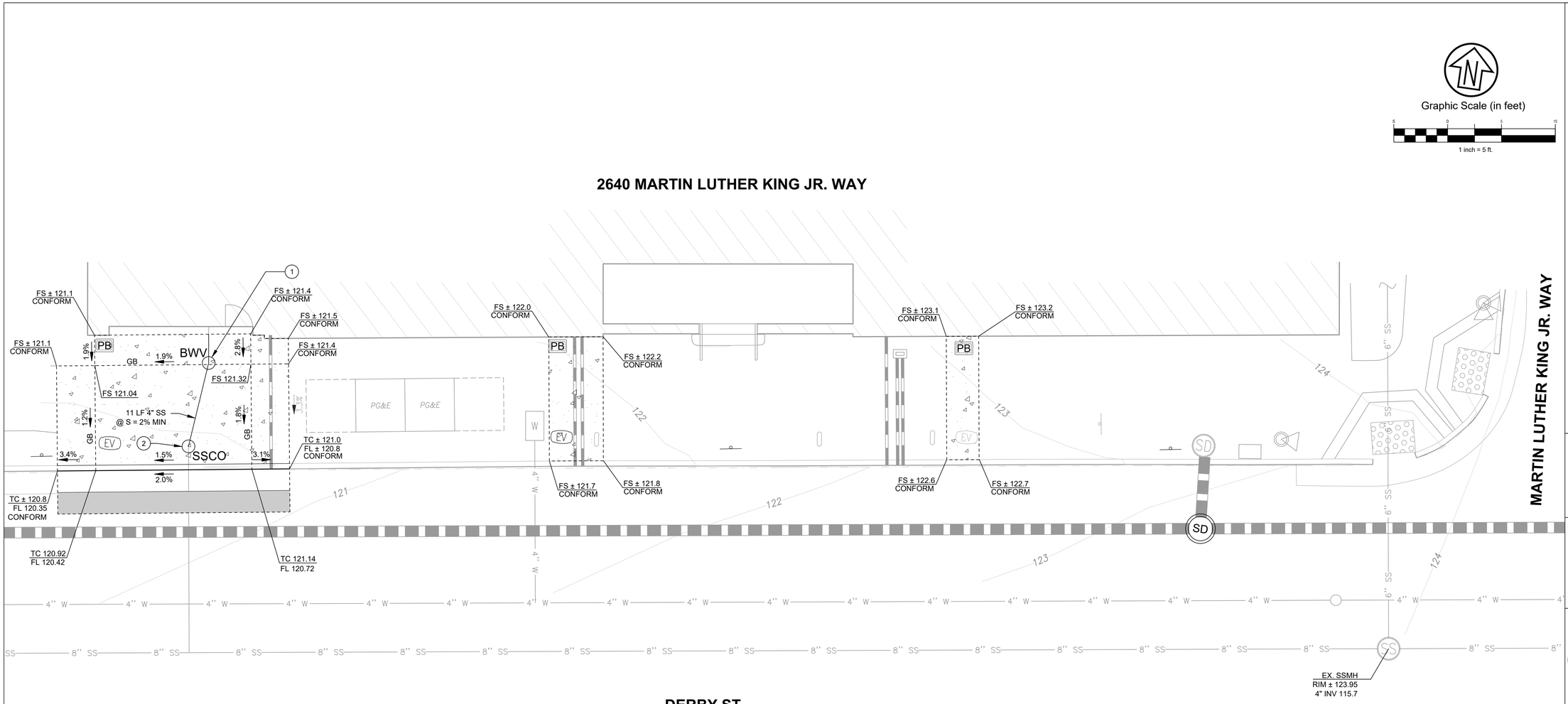
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LAYOUT PLAN

Sheet No.:

C1.01-4A

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KEYNOTES

1. BACKWATER VALVE
2. TWO-WAY CLEANOUT PER DETAIL 2, SHEET C2.00-4A. MATCH EXISTING INVERTS (VIF)

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CITY OF BERKELEY EV CHARGING PROJECT

ADULT MENTAL HEALTH CENTER
2640 MARTIN LUTHER KING JR. WAY

BERKELEY, CA

APN #: 54-1811-3

Design Firm:

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No.	Date	Issue
	3/27/26	PERMIT SET

Issue Note:

PERMIT RESUBMITTAL 08/10/2026

Project ID: EVB

File Name:

Drawn By:

Review By:

Plot Date:

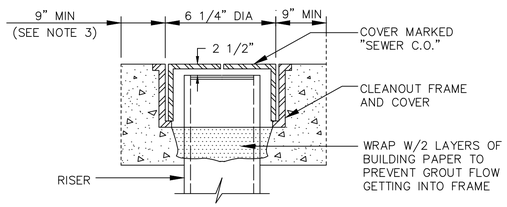
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COMPOSITE PLAN

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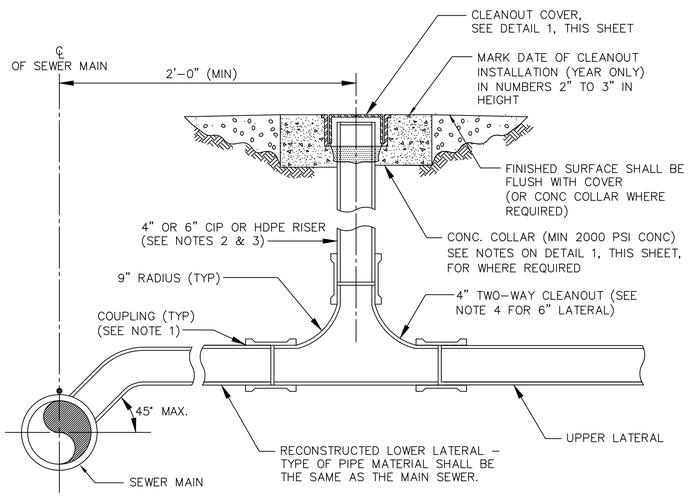
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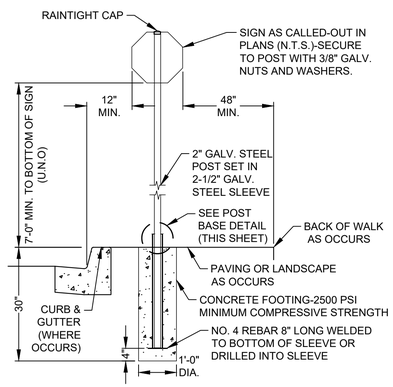
NOTES:
1. TWO WAY CLEANOUT PER DETAIL 2, THIS SHEET. LOCATION PER PLAN.
2. WHEN RISER IS NOT SURROUNDED BY SIDEWALK, A 2'X2'X8", 2,000 PSI CONCRETE COLLAR SHALL BE INSTALLED..
3. EXISTING SIDEWALK SHALL BE NEATLY SAWN TO A STRAIGHT AND SQUARE EDGE BEFORE 2,000 PSI CONCRETE PATCH IS INSTALLED AROUND FRAME.

1 SANITARY SEWER CLEANOUT COVER (4" DIAMETER)
SCALE: N.T.S.

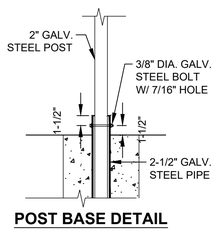


NOTES:
1. COUPLINGS SHALL BE TYPE 'D' JOINTS W/316 OR 304-STAINLESS STEEL BANDS.
2. RISER SHALL BE VERTICAL.
3. RISER SHALL BE CAST IRON WITHIN A DRIVEWAY.
4. FOR 6" LATERAL INSTALL 45° WYE (DOWNSTREAM DIRECTION).
5. INSTALL NEW TWO WAY CLEANOUT 6 FT MINIMUM FROM THE SEWER MAIN. ADJUST THE CLEANOUT LOCATIONS AS NEEDED TO FIT THE SITE CONDITION.

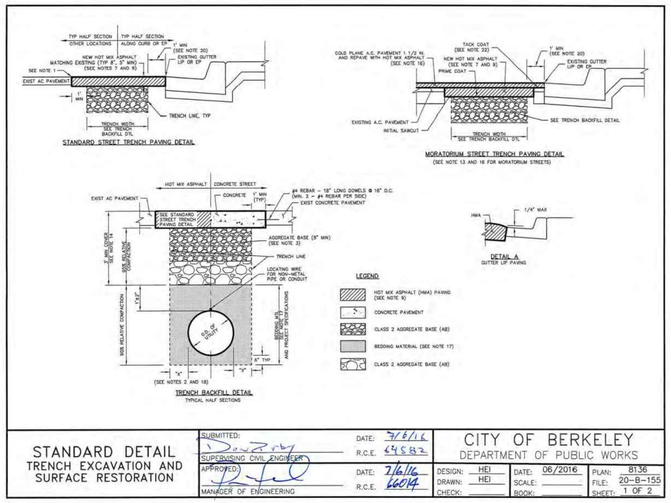
2 SANITARY SEWER LATERAL DETAIL
SCALE: N.T.S.



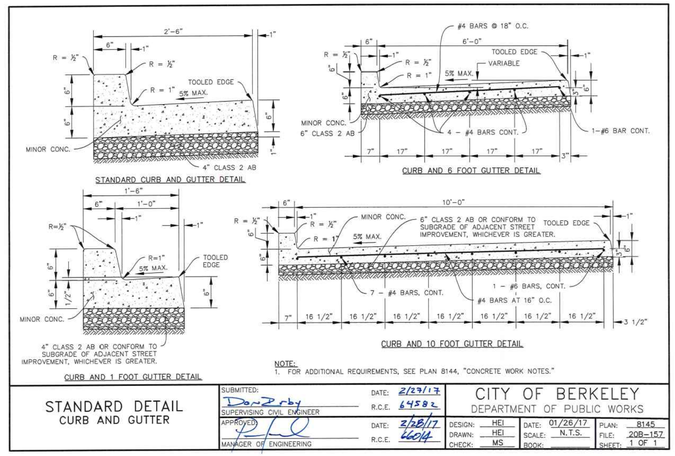
3 TRAFFIC SIGN INSTALLATION DETAIL
SCALE: 1" = 2'



POST BASE DETAIL

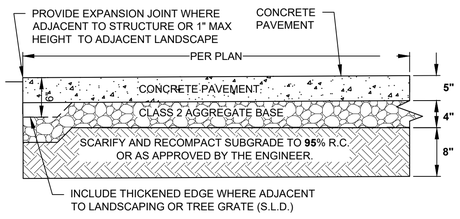


STANDARD DETAIL TRENCH EXCAVATION AND SURFACE RESTORATION		CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS
	SUBMITTED: DATE: 7/6/16	DESIGN: HEI DATE: 06/2016 PLAN: 8136
	SUPERVISING CIVIL ENGINEER R.C.E. 64582	DRAWN: HEI SCALE: FILE: 20-B-155
	APPROVED: DATE: 7/6/16	CHECK: BOOK: SHEET: 1 OF 2
	MANAGER OF ENGINEERING R.C.E. 66014	



NOTE:
1. FOR ADDITIONAL REQUIREMENTS, SEE PLAN 8144, "CONCRETE WORK NOTES."

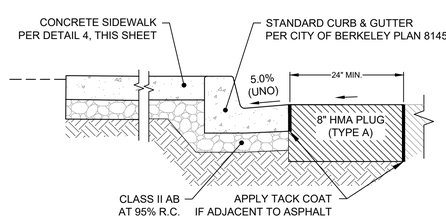
STANDARD DETAIL CURB AND GUTTER		CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS
	SUBMITTED: DATE: 2/27/17	DESIGN: HEI DATE: 01/26/17 PLAN: 8145
	SUPERVISING CIVIL ENGINEER R.C.E. 64582	DRAWN: HEI SCALE: N.T.S. FILE: 20B-157
	APPROVED: DATE: 2/28/17	CHECK: MS BOOK: SHEET: 1 OF 1
	MANAGER OF ENGINEERING R.C.E. 66014	



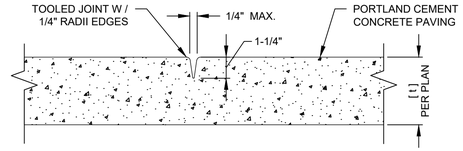
NON-TRAFFIC RATED CONCRETE SIDEWALK

NOTES:
1. ALL TREAD SURFACES SHALL BE SLIP RESISTANT.
2. SEE PLAN FOR LOCATION OF JOINTS.

4 TYPICAL CONCRETE PAVEMENT DETAILS
SCALE: 1" = 1'

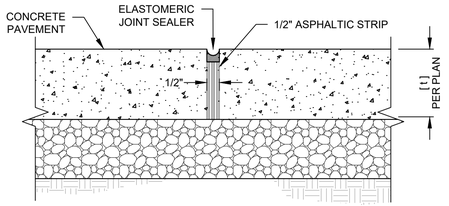


5 CONCRETE CURB AND GUTTER
SCALE: N.T.S.



NOTES:
1. CONSTRUCT CONTROL JOINTS WITHIN 24 HOURS OF POUR.
2. SEE PLAN FOR LOCATION OF CONTROL JOINTS.

6 CONTROL JOINT FOR PEDESTRIAN CONCRETE PAVEMENT
SCALE: 1" = 1'



NOTES:
1. REFER TO APPROPRIATE CONCRETE PAVEMENT DETAILS FOR THICKNESS OF PAVEMENT, AGGREGATE BASE, COMPACTION REQUIREMENTS AND SUBGRADE PREPARATION.
2. EXPANSION JOINTS TO BE INSTALLED PER PLAN OR 16' MAX O.C.

7 EXPANSION JOINT FOR CONCRETE PAVEMENT
SCALE: NTS

NOTES:
1. TRENCH EXCAVATION IN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF BERKELEY GENERAL REGULATIONS FOR TRENCH EXCAVATION AND SURFACE RESTORATION IN THE PUBLIC RIGHT OF WAY. CUT THROUGH THE FULL DEPTH OF EXISTING SURFACING TO A NEAT STRAIGHT LINE AT LEAST 1.0 FOOT OUTSIDE THE TRENCH LINE. RECUT PAVEMENT EDGES DAMAGED DURING CONSTRUCTION TO NEAT LINES PRIOR TO PAVING. APPLY PAINT BINDER (TACK COAT) TO ALL VERTICAL SURFACES IN ACCORDANCE WITH THE LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.
2. MINIMUM WIDTH OF TRENCH SHALL BE IN ACCORDANCE WITH THE DIMENSION SHOWN ON THE TRENCH BACKFILL DETAIL. DIMENSIONS "X" IS SHOWN BELOW FOR THE UTILITY "O.D."

UTILITY O.D.	"X" MIN
UNDER 1.0"	0.5"
1.0" TO 4.5"	1.0"
OVER 4.5"	2.0"

3. CLASS 2 AGGREGATE BASE (AB) SHALL BE INSTALLED IMMEDIATELY BELOW THE PAVEMENT SECTION TO BE REPLACED. THE AB QUALITY, GRADATION AND THE METHOD OF INSTALLATION SHALL BE IN CONFORMANCE WITH SECTION 26 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION. THE DEPTH OF THE AB SHALL BE IN ACCORDANCE WITH THE TRENCH BACKFILL DETAIL. 95% RELATIVE COMPACTION IS REQUIRED.
4. RELATIVE COMPACTION SHALL BE DETERMINED BY CALIFORNIA TEST NUMBER 231 (NUCLEAR GAUGE) OR APPROVED EQUAL. PERMITTEE SHALL ARRANGE AND PAY FOR THE TEST FOR RELATIVE COMPACTION WHEN ORDERED BY THE ENGINEER. THE TEST SHALL BE PERFORMED BY A QUALIFIED MATERIAL TESTING LABORATORY AND TEST RESULTS BE SUBMITTED TO ENGINEERING FORTY-EIGHT (48) HOURS IN ADVANCE OF PERMANENT PAVING OPERATION.
5. PERMITTEE SHALL PLACE TEMPORARY BITUMINOUS RESURFACING TWO (2) INCHES IN THICKNESS OVER THE COMPACTED BACKFILL AREAS. GREATER THICKNESS MAY BE REQUIRED FOR MAJOR INTERSECTIONS AND OTHER CRITICAL AREAS BY THE ENGINEER AS NECESSARY. STEEL PLATES MAY BE USED AS AN ALTERNATIVE IF APPROVED BY ENGINEER.
6. TEMPORARY BITUMINOUS RESURFACING (CUT-BACK) SHALL BE MECHANICALLY COMPACTED IN PLACE TO A UNIFORM, EVEN SURFACE AND SHALL BE TRUE TO STREET GRADE AND CROSS SECTION. THE PERMITTEE SHALL REGULARLY INSPECT AND MAINTAIN THE TEMPORARY BITUMINOUS RESURFACING UNTIL THE EXCAVATION IS PERMANENTLY PAVED. THE SURFACING SHALL NOT VARY TO MORE THEN 1/2" FROM THE EDGE OF A 10 FOOT STRAIGHT EDGE. UPON NOTIFICATION, THE PERMITTEE SHALL CORRECT THE SURFACE DEFICIENCY WITHIN 48 HOURS. LOOSE ROCKS AND OTHER DEBRIS GENERATED FROM TEMPORARY RESURFACING OPERATIONS SHALL BE IMMEDIATELY REMOVED FROM THE WORKSITE.
7. TEMPORARY BITUMINOUS RESURFACING SHALL BE REMOVED BEFORE PLACEMENT OF FINAL PAVING. FINAL PAVING SHALL BE MINIMUM FIVE (5) INCHES THICK OR SAME AS THE EXISTING PAVEMENT, WHICHEVER IS GREATER. THE PAVEMENT SHALL BE PLACED ON UNDISTURBED PREVIOUSLY COMPACTED BACKFILL AREAS.
8. PAVEMENT OUTSIDE OF THE FINAL CUT LINE DAMAGED BY THE PERMITTEE'S OPERATIONS SHALL BE REMOVED BY SAW-CUTTING IN LINES PERPENDICULAR OR PARALLEL TO THE ORIGINAL TRENCH LINES. NO DIAGONAL CUTS WILL BE PERMITTED.
9. HOT MIX ASPHALT (HMA) SHALL BE TYPE A IN CONFORMANCE WITH SECTION 39 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS, UNLESS OTHER WISE SPECIFIED IN THE ENCROACHMENT PERMIT CONDITIONS OR AS DIRECTED BY THE PUBLIC WORKS DEPARTMENT. HMA SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
10. THE TOP 1 1/2" OF HMA SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1/2" UNLESS OTHERWISE SPECIFIED. THE HMA BENEATH THE TOP LAYER SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/4".
11. UPON COMPLETION OF PAVING OPERATIONS THE PERMITTEE SHALL IMMEDIATELY REPLACE ALL PAVEMENT MARKING AND TRAFFIC STRIPING DAMAGED OR REMOVED BY HIS OPERATIONS. PAVEMENT MARKINGS AND TRAFFIC STRIPINGS SHALL BE REPLACED IN KIND OR WITH SUBSTITUTE MATERIAL APPROVED BY THE ENGINEER.
12. WHEN ANY PORTION OF THE CURB AT A LEGAL PEDESTRIAN CROSSWALK OR ANY PORTION OF THE SIDEWALK IN IMMEDIATE CONTACT WITH SUCH CURB IS REMOVED BY THE PERMITTEE OPERATIONS, THE PERMITTEE SHALL CONSTRUCT, AS PART OF HIS REPLACEMENT OPERATIONS, A CURB RAMP AS SHOWN IN CITY OF BERKELEY STANDARD DETAIL NO. 6780.
13. EXCAVATION ON STREETS RECONSTRUCTED OR RESURFACED WITHIN THE LAST 5 YEARS WILL NOT BE PERMITTED EXCEPT FOR CONDITIONS ENUMERATED IN THE CITY OF BERKELEY GENERAL REGULATIONS AND FOR TRENCH EXCAVATION AND SURFACE RESTORATION IN THE PUBLIC RIGHT OF WAY.
14. MINIMUM COVER OVER UTILITIES IS GOVERNED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION. UTILITY OWNERS SHALL CONSIDER PLACING THEIR UTILITY LINE AT A GREATER DEPTH TO AVOID FUTURE RELOCATION DUE TO STREET/ROAD RECONSTRUCTION. THE INCREASED DEPTH SHOULD INCLUDE SUFFICIENT CLEARANCE BETWEEN THE UTILITY AND PAVEMENT STRUCTURAL SECTION UPROOT BY CONSTRUCTION EQUIPMENT. THE PUBLIC WORKS DEPARTMENT RECOMMENDS A MINIMUM OF 36 INCHES OF COVER BELOW THE PAVEMENT SURFACE IN ROADWAYS AND 24 INCHES BELOW FINISH GRADE IN SIDEWALKS AND OTHER PUBLIC RIGHT OF WAY.
15. RESTORATION OF THE TRENCH EXCAVATION ON CALTRANS RIGHT OF WAY (SAN PABLO AVE., ASHBY AVE., AND TUNNEL RD.) SHALL BE IN ACCORDANCE WITH CALTRANS ENCROACHMENT PERMIT.
16. RESTORE PAVEMENT AS FOLLOWS: FOR TRENCHES PARALLEL WITH THE CENTERLINE OF THE STREET, COLD PLANE AND REPAVE THE LANE IN WHICH THE TRENCH LIES. FOR TRANSVERSE TRENCHES, COLD PLANE AND REPAVE 1/2 LANE WIDTH ON EACH SIDE OF THE TRENCH. FOR BELL HOLES, COLD GRIND AND PAVE 1 LANE WIDTH ON EACH SIDE OF THE EXCAVATION. PRIOR TO COLD PLANING, THE TRENCH SHALL BE PAVED IN 3 INCH MAXIMUM LIFTS TO THE ORIGINAL SURFACE GRADES OR TO WITHIN 1 1/2 INCHES OF THE EXISTING SURFACE. IF THE CONTRACTOR ELECTS TO PAVE WITHIN 1 1/2 INCHES OF THE EXISTING SURFACE, THE REMAINING 1 1/2 INCHES MUST BE PAVED WITH CUT BACK ASPHALT UNTIL THE SURFACE IS PLANED. FINAL PAVING SHALL COMMENCE WITHIN 3 DAYS AFTER COLD GRINDING. ALL LOOSE MATERIAL SHALL BE REMOVED FROM THE AREA TO BE REPAVED PRIOR TO REPAVING.
17. BEDDING MATERIAL SHALL BE CLASS 2 AB OR CRUSHED ROCK PER 2015 GREENBOOK, TABLE 200-1.2.1(A), 3/4" SIEVE SIZE. ALTERNATIVE MATERIALS SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT. IN NO CASE SHALL "PEA" GRAVEL BE ALLOWED. A MAXIMUM OF 6 INCHES OF SAND MAY BE USED AS A BEDDING MATERIAL FOR COMMUNICATION, GAS AND ELECTRIC CONDUITS ONLY.
18. FOR GAS, ELECTRIC AND COMMUNICATION CONDUITS WITH AN OUTSIDE DIAMETER EQUAL TO OR LESS THAN 4 INCHES, THE TRENCH WIDTH MAY BE REDUCED TO NO LESS THAN 12 INCHES.
19. UNSUITABLE NATIVE MATERIAL SHALL BE EXCAVATED BELOW THE LIMIT OF EXCAVATION AND REPLACED WITH SUITABLE BACKFILL MATERIAL WHEN DIRECTED BY THE PUBLIC WORKS DEPARTMENT.
20. WHERE THE TRENCH PARALLELS CURB AND THE NEAREST TRENCH LINE IS LESS THAN 3 FEET FROM THE GUTTER LIP, ALL EXISTING HMA SHALL BE REPLACED TO THE GUTTER LIP.
21. SLURRY CEMENT BACKFILL SHALL COMPLY WITH SECTION 19-3.02E OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS.
22. APPLY PAINT BINDER (TACK COAT) TO ALL EXISTING AC AND CONCRETE SURFACES IN ACCORDANCE WITH THE LATEST EDITION OF CALIFORNIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS.

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL TRENCH EXCAVATION AND SURFACE RESTORATION
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SUPERVISING CIVIL ENGINEER	R.C.E. 64582	DRAWN: HEI SCALE: FILE: 20-B-155
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MANAGER OF ENGINEERING	R.C.E. 66014	

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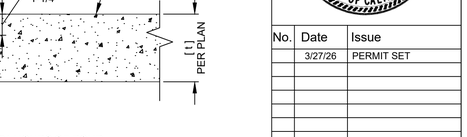
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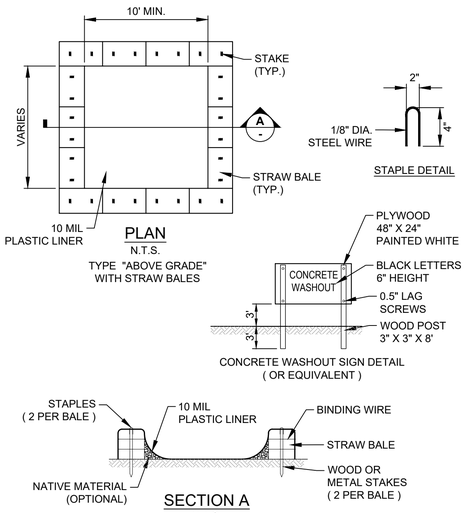
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CONSTRUCTION DETAILS

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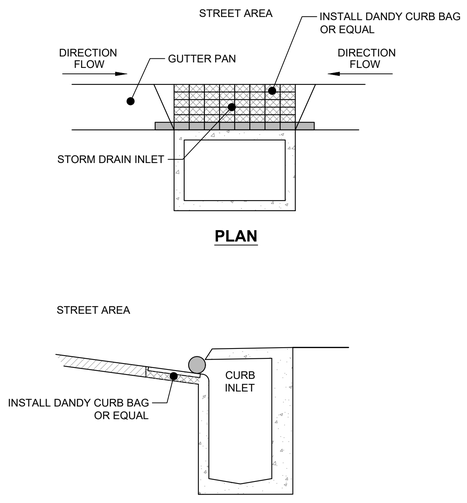


NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

1 TEMPORARY CONCRETE WASHOUT DETAIL

SCALE: 1" = 1'



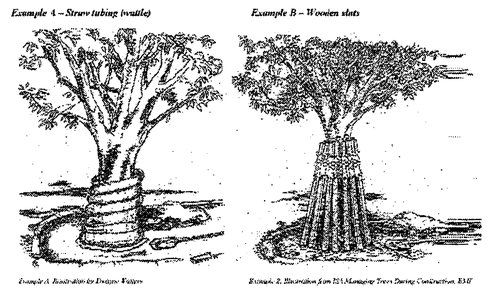
2 INLET PROTECTION

SCALE: NTS

FIGURE 1: EXAMPLES OF TREE TRUNK PROTECTION

Figure 1: Examples of Tree Trunk Protection

The following illustrations are examples of tree trunk protection measures. One of these examples shall be used when any approved construction activity takes place within the dripline of a protected tree that is not surrounded by protective fencing.



Minimum Requirements:

- Trees situated in a tree well or sidewalk planting strip shall have the trunk protected by wrapping it with straw tubes (wattle) or vertical wood slats (ex. 2x4), up to a minimum of 8 feet from grade.
- Wooden slats shall be angled to protect the root flare at the base of the tree and bound securely on the outside.
- Closed cell foam or an equivalent material shall be used to protect the trunk of the tree where it contacts the slats.
- Lateral branches below 8 feet shall also be protected.
- Contractor shall keep deleterious materials associated with project construction from contacting any part of the trees, or being placed or stored in the tree well or planting strip.

4 TREE PROTECTION DURING CONSTRUCTION

SCALE: NTS

TREE PROTECTION NOTES:

1. NO STREET TREE ROOTS ARE TO BE CUT WITHOUT APPROVAL OF CONTRACTOR'S LICENSED CERTIFIED ARBORIST.
2. ARBORIST: CONTRACTOR SHALL RETAIN A LICENSED CERTIFIED, CITY-APPROVED ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION AS SPECIFIED IN THE SPECIAL PROVISIONS AND INDICATED ON THESE PLANS. NO EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREAS(S). NO TREE PRUNING, REMOVAL OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORISTS DIRECTION, RECOMMENDATIONS OR APPROVAL.
3. TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
4. ADVANCED WARNING: THE ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO CONSTRUCTION.
5. PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY THE ARBORIST AND APPROVED BY THE CITY. EXISTING TREES WITH BRANCHES ENCROACHING TO 1' FROM BACK OF CURB AND LESS THAN 16" FROM FINISHED GRADE SHALL BE PRUNED UNDER THE DIRECTION OF A CITY APPROVED CERTIFIED ARBORIST.
6. CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE ARBORIST.
7. STORAGE: THE AREA UNDER THE DRIP LINES OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS AND NO CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED UNDER A TREE.
8. TREE DAMAGE: ANY DAMAGE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE ARBORIST.
9. CONTRACTOR SHALL PERFORM DEMOLITION, CUT, CLEAN AND INSTALL GENERAL LANDSCAPE SOIL AT THE EXISTING TREES AS REQUIRED AND APPROVE BY THE CITY.
10. CONTRACTOR'S ATTENTION IS DIRECTED TO THE CITY OF BERKELEY'S "GUIDELINES AND TREE PROTECTION REQUIREMENTS FOR DEVELOPMENT PROJECTS" (GUIDELINES) PROVIDED IN THE PROJECT SPECIAL PROVISIONS, OF WHICH FIGURE 1, SECTION III IS PROVIDED (SEE LEFT).

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EROSION CONTROL PLAN

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GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2025 CALIFORNIA BUILDING CODE.
2. THESE NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED OR SHOWN.
3. FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT ALL SIMILAR CONDITIONS. IF DETAILS ARE REFERENCED ONLY ONCE, THEY ARE APPLICABLE TO ALL SIMILAR CONDITIONS IN THE PROJECT.
4. SPECIFIC DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER "TYPICAL DETAILS". SPECIFIC NOTES ON STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER NOTES SHOWN IN "GENERAL NOTES". NOTES AND REQUIREMENTS IN DRAWINGS SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS. FOR CONFLICTS, USE THE MOST RESTRICTIVE REQUIREMENT BETWEEN DRAWINGS AND SPECIFICATIONS.
5. REFER TO THE ARCHITECTURAL DRAWINGS (AND THE SPECIFICATIONS) FOR THE FOLLOWING: FLOOR FINISHES; DEPRESSIONS AND CURBS; PLUMBING, ROADWAYS, WALKS, PAVING, STAIRS, RAMPS, TERRACES, EXTERIOR GRADES, AND LOCATIONS OF DRAINS.
6. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, PLUMBING, MECHANICAL, CIVIL, AND ELECTRICAL DRAWINGS AS TO ALL LAYOUTS, DIMENSIONS AND ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.
7. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SHOWN FOR SIMILAR CONDITIONS.
8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO POURING CONCRETE; ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
9. FEATURES OF EXISTING CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES AND SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PROGRAMS AND PROCEDURES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL FOLLOW ALL INSTRUCTIONS, RECOMMENDATIONS AND SAFETY PRECAUTIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER OF ANY MATERIAL OR PRODUCT NOTED IN GENERAL NOTES OR DRAWINGS.
12. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY VARIATION FROM CONDITIONS ASSUMED ON DRAWINGS. CONTRACTOR SHALL CONSULT WITH THE STRUCTURAL ENGINEER AS REQUIRED.
13. GRADES SHOWN ON STRUCTURAL DRAWINGS ARE APPROXIMATE AND FOR GENERAL REFERENCE ONLY.
14. DO NOT SCALE DRAWINGS.

DESIGN CRITERIA

1. FOUNDATIONS
   - A. ALLOWABLE SOIL PRESSURES (PRESCRIPTIVE VALUES FROM CBC TABLE 1806.2):
     - i. DEAD LOAD — 1500 PSF
     - ii. DEAD LOAD + LIVE LOAD+LATERAL — 1500 PSF

3. LATERAL LOADS:
   - A. WIND DESIGN LOADS – PER CBC SECTION 1609:
     - BASIC WIND SPEED — 110 MPH
     - EXPOSURE CATEGORY — B
   - B. SEISMIC DESIGN – PER CBC SECTION 1613
     - SITE CLASS — D-DEFAULT
     - MAPPED SHORT PERIOD ACCELERATION — S_s = 2.087 g
     - SITE COEFFICIENT — F_a = 1.2
     - DESIGN SHORT PERIOD ACCELERATION — S_{DS} = 1.67 g
   - C. NON STRUCTURAL COMPONENTS- PER ASCE 7-16 TABLE 13.6-1
     - COMPONENT AMPLIFICATION FACTOR — ap = 1.0
     - COMPONENT RESPONSE MODIFICATION FACTOR — Rp = 2.5
     - COMPONENT IMPORTANCE FACTOR — I = 1.0

FOUNDATION NOTES

1. FOOTINGS SHALL BEAR ON COMPACTED SOIL.
2. SOIL BEARING PRESSURES UNDER FOOTINGS AS DESIGNED DO NOT EXCEED ALLOWABLE SOIL PRESSURES DEFINED IN DESIGN CRITERIA ABOVE.
3. SEE ARCHITECTURAL, PLUMBING, MECHANICAL, ELECTRICAL AND ANY OTHER INCLUDED DRAWINGS, AND CONSULT WITH THE RESPECTIVE TRADES FOR VERIFICATION OF ALL ITEMS SHOWN OR NOT SHOWN ON STRUCTURAL PLANS PRIOR TO POURING CONCRETE FOOTINGS AND FLOOR SLABS.
4. VERIFY LOCATIONS FOR OPENINGS OR PENETRATIONS THROUGH CONCRETE, CONCRETE CURBS, FLOOR DEPRESSIONS, FLOOR SLOPES AND DRAINS, INSERTS, ETC.
5. NO PIPING OR CONDUITS SHALL PASS OR BE PLACED BELOW OR THROUGH FOOTINGS OR GRADE BEAMS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER. AT A MINIMUM PIPES OR CONDUITS SHALL BE SPACED A MINIMUM 3D BOTH HORIZONTAL AND VERTICAL INCLUDING ANY WRAPPING, SLEEVES OR INSULATION. PIPES PASSING TRROUGH FOOTINGS OR GRADE BEAMS SHALL ONLY PASS THROUGH THE MIDDLE 1/3 OF THE DEPTH AND SHALL NOT INTERRUPT REINFORCEMENT.

CONCRETE NOTES

1. ALL CONCRETE SHALL BE REINFORCED UNLESS NOTED "NOT REINFORCED".
2. SEE THE CALIFORNIA BUILDING CODE FOR THE REQUIREMENTS IN THE PRODUCTION, TESTING AND INSTALLATION OF CONCRETE.
3. SEE ARCHITECTURAL DRAWINGS FOR THE LOCATION AND EXTENT OF EXTERIOR WALKS AND PAVEMENTS AND FOR REINFORCEMENT REQUIREMENTS.
4. REINFORCEMENT SHALL BE PER ASTM A615, GRADE 60 WITH BAR MARKS LEGIBLY ROLLED INTO THE SURFACE INDICATING SIZE, TYPE OF STEEL, AND YIELD STRENGTH DESIGNATION.
5. CONCRETE SHALL CONFORM TO THE FOLLOWING CLASSES:

CONCRETE CLASS	USE	28 DAY STRENGTH (PSI)	MAX AGGREGATE SIZE (IN)	CONCRETE WEIGHT (PGF)	MAX W/C RATIO %	MIN-MAX FLYASH %
A	FOUNDATIONS (CIP)	2500	1	145	0.50	20-30

6. CEMENT SHALL CONFORM TO ASTM C150 TYPE I CEMENT.
7. REPLACE A MINIMUM OF 20% AND A MAXIMUM OF 30% OF CEMENT CONTENT WITH FLYASH CONFORMING TO ASTM C618 CLASS C OR F, OR GROUND GRANULATED BLAST FURNACE SLAG CONFORMING TO ASTM 989, CLASS 100 OR 120.
8. REINFORCEMENT, ANCHOR BOLTS, PIPE SLEEVES, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE CONCRETE IS POURED. "WET-SETTING" WILL NOT BE ALLOWED.
9. THE SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MIX.
10. WHERE NEW CONSTRUCTION IS INTEGRATED WITH EXISTING CONCRETE CONSTRUCTION, WHERE NEW CONCRETE ABUTS EXISTING CONCRETE, CLEAN EXISTING CONCRETE SURFACE WITH HIGH PRESSURE WATER SPRAY. APPLY APPROVED BONDING AGENT TO SURFACE OF EXISTING CONCRETE.

TESTS, INSPECTIONS AND OBSERVATIONS NOTES

1. TESTS AND INSPECTIONS SHALL BE PROVIDED FOR ALL ITEMS AS REQUIRED BY THE CALIFORNIA BUILDING CODE. THE OWNER SHALL BE RESPONSIBLE FOR RETAINING AN INDEPENDENT TESTING AND INSPECTION LABORATORY TO PERFORM ALL REQUIRED TESTING AND INSPECTIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TESTING AND INSPECTION LABORATORY WITH CONSTRUCTION SCHEDULES TO ENSURE PROPER COORDINATION OF WORK.

SYMBOLS AND ABBREVIATIONS

A/S2.1	SECTION A ON DRAWING S2.1
@	AT
&	AND
°	DEGREE
Ø OR DIA	DIAMETER
#	NUMBER OR POUND
(E)	EXISTING
(N)	NEW
AB	ANCHOR BOLT
ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT OR ARCHITECTURAL
ATTN	ATTENTION
BD	BOARD
BLDG	BUILDING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BS	BOTH SIDES
BTWN	BETWEEN
C	CONTROL JOINT
CBC	CALIFORNIA BUILDING CODE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR
CONC	CONCRETE
CONT	CONTINUOUS
CTSK	COUNTERSINK
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLISH
DET	DETAIL
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DEEP
DTLS	DETAILS
DWG(S)	DRAWING(S)
EA	EACH
EB	EXPANSION BOLT
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ETC	ETCETERA
EW	EACH WAY
EXC	EXCAVATE
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FS	FAR SIDE
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BEAM
HDG	HOT-DIPPED GALVANIZED
HOR	HORIZONTAL
HP	HIGH POINT
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STEEL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
INV	INVERT
JT(S)	JOINT(S)
K	KIPS (1000 LBS)
LBS	POUNDS
LG	LONG
LL	LIVE LOAD
LP	LOW POINT
LT	LIGHT
LTWT	LIGHTWEIGHT
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
NS	NEAR SIDE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
QAP	QUALITY ASSURANCE PROGRAM
PERF	PERFORATED
PL	PLATE
PROP	PROPERTY
PSF	POUNDS PER SQUARE FEET
PSI	POUNDS PER SQUARE INCH
PT	POINT
RAD	RADIUS
RDP	REGISTERED DESIGN PROFESSIONAL
REF	REFERENCE
RECT	RECTANGULAR
REINF	REINFORCING
REQD	REQUIRED
SAD	SEE ARCHITECTURAL DRAWING OR SEE ARCHITECTURAL DETAIL
SCD	SEE CIVIL/SITE DRAWINGS
SCHED	SCHEDULE
SEC	SECTION
SED	SEE ELECTRICAL DRAWINGS
SHT	SHEET
SIM	SIMILAR
SMD	SEE MECHANICAL DRAWINGS OR SEE MECHANICAL DETAIL
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SYM	SYMMETRICAL
T&B	TOP & BOTTOM
THK	THICK
THRU	THROUGH
T.O.	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL OR SLAB
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WP	WATERPROOF OR WORK POINT
WT	WEIGHT

SCOPE OF WORK
NEW FOUNDATION AND ANCHORAGE OF CONCRETE MOUNTED CHARGEPOINT CP6000 EV CHARGER.

Project Title:

CITY OF BERKELEY
EV CHARGING PROJECT
ADULT MENTAL HEALTH CENTER,
2640 MARTIN LUTHER KING JR. WAY
BERKELEY, CA

APN #: 54-1811-3

Design Firm:
SIEGEL & STRAIN Architects
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REGISTERED PROFESSIONAL ENGINEER — JASON M. LEE — No. S4980 — STRUCTURAL — STATE OF CALIFORNIA

No.	Date	Issue
	03/27/26	PERMIT SET

Issue Note:
PERMIT RESUBMITTAL
08/10/2026

Project ID:
File Name:
Drawn By: AI
Review By: TR
Plot Date:
Sheet Title:
GENERAL NOTES

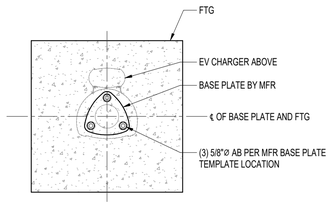
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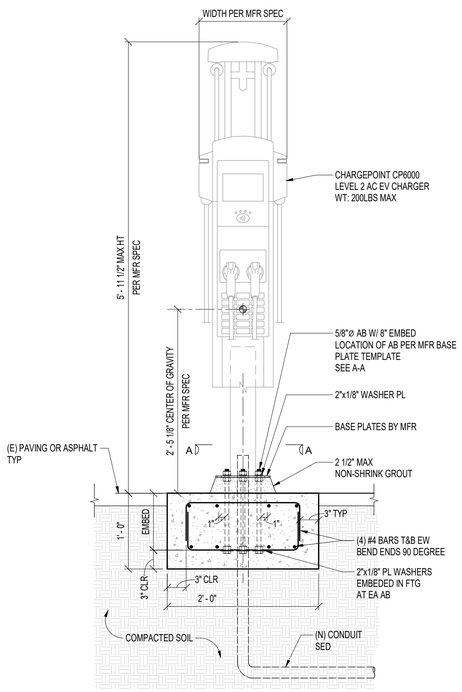
CONCRETE STRENGTH PSI	BAR TYPE	BAR SIZE															
		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
2500	TOP BAR	24	31	32	41	39	51	47	61	69	89	78	102	88	115	100	129	110	143
	ALL OTHER BARS	18	24	24	32	30	39	36	47	53	69	60	78	68	88	77	100	85	110

NOTES:
1. SPLICE LENGTH IN INCHES.
2. USE CLASS B FOR ALL LAP SPLICES EXCEPT CLASS A MAY BE USED FOR NON-STRUCTURAL SLABS ON GRADE.
3. TOP BARS = HORIZONTAL BARS (OTHER THAN IN WALLS) PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS.
4. TABLE IS BASED UPON MINIMUM CLEAR COVER GREATER THAN ONE BAR DIAMETER AND MINIMUM CLEAR SPACING GREATER THAN TWO BAR DIAMETERS. WHERE EITHER OF THESE REQUIREMENTS IS NOT MET, INCREASE LAP LENGTH BY 50%.

6 S1.01-4A REINFORCING BAR LAP SPLICE SCHEDULE IN CONCRETE
NTS



A-A
BASE PLATE PLAN VIEW



10 S1.01-4A LEVEL 2 EV CHARGER DETAIL
1" = 1'-0"

BEND DIAMETER (D)		
BAR SIZE	STANDARD HOOK & BENDS	STIRRUPS, TIES & HOOPS
#3 THRU #5	6d	4d
#6 THRU #8	6d	6d
#9 THRU #11	8d	N/A
#14 THRU #18	10d	N/A

FOR STIRRUPS & COLUMN TIES,
D=2d WITH EXTENSION OF 6d OR 3" MIN

STANDARD HOOKS AND BENDS

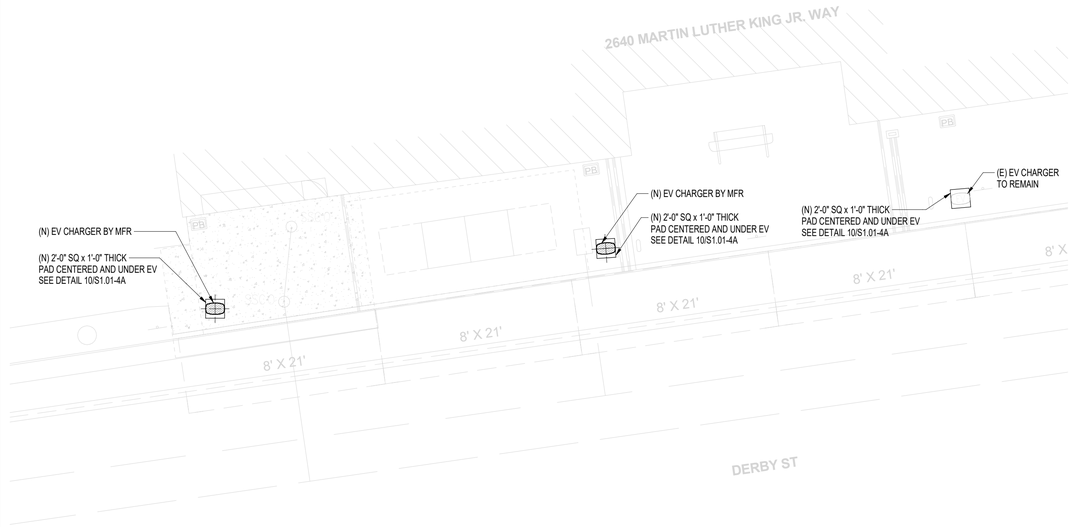
TIES AND STIRRUPS

OFFSET AND SPLICES

LAP SPLICES

NOTE:
ALL LAP SPLICES ARE CLASS B LAP SPLICES

7 S1.01-4A TYPICAL REINFORCING BAR BENDS
NTS



N
TRUE NORTH

0 4' 8' 16'

4 S1.01-4A EV CHARGER ANCHORAGE FOUNDATION PLAN
1/8" = 1'-0"

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No. S4980
STRUCTURAL
STATE OF CALIFORNIA

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Issue Note:
PERMIT RESUBMITTAL 08/10/2026

Project ID:
File Name:
Drawn By: AI
Review By: TR
Plot Date:
Sheet Title:
PLAN AND DETAILS

Sheet No.:
S1.01-4A

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ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING TO REMAIN
(R)	EXISTING DEVICE TO BE RELOCATED
(RL)	NEW LOCATION OF RELOCATED DEVICE/EQUIPMENT
(X)	DEMOLISH
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
C	CONDUIT, CLOSE, CONTROL
CLG	CEILING
CU	COPPER
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
IN	INCH, INCHES
KVA	KILOVOLT AMPERES
KW	KILOWATT
MCA	MINIMUM CIRCUIT AMPS
MOCP	MAXIMUM OVERCURRENT PROTECTION
N	NEUTRAL
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRIC SAFETY CODE
PH	PHASE
PVC	POLY-VINYL-CHLORIDE
RFI	REQUEST FOR INFORMATION
RM	ROOM
SPD	SURGE PROTECTION DEVICE
TBD	TO BE DETERMINED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
WP	WEATHERPROOF
XFMR	TRANSFORMER

Connections / Equipment

EVCS — ELECTRIC VEHICLE CHARGING STATION

NON-FUSED DISCONNECT SWITCH

General

DEMOLISH

EXISTING WORK

NEW WORK

DETAIL NUMBER AND SHEET LOCATION

KEYED NOTE

Miscellaneous

#10 / B-27,29,31. — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.

BRANCH PANEL

CIRCUIT BREAKER

MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL

PB — PULLBOX

Raceways

CONDUIT CONCEALED IN WALL OR CEILING SPACE

CONDUIT ROUTED BELOW FLOOR / GRADE

CONDUIT ELLED DOWN

CONDUIT ELLED UP

CONDUIT/WIRING CONTINUATION

CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING

FLEXIBLE CONDUIT

GENERAL ELECTRICAL NOTES

A. DO NOT COMMENCE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT WITHOUT RELATED SHOP DRAWING APPROVALS.

B. SCHEDULE WORK IN EXISTING BUILDINGS WITH THE OWNER. MINIMIZE DISRUPTION OF NORMAL OPERATIONS.

C. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITIONS.

D. ELECTRICAL POWER SHALL BE INTERRUPTED ONLY WITH PRIOR WRITTEN CONSENT. SUCH INTERRUPTIONS SHALL BE PRECEDED BY ALL POSSIBLE PREPARATIONS BY THE CONTRACTOR WHICH ARE NECESSARY TO KEEP THE ELECTRICAL CIRCUITS OFF FOR A MINIMUM PERIOD IN AN EXPEDITIOUS MANNER.

E. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT ON SLABS. MOUNT RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS.

F. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

G. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. REQUIREMENT BY EITHER INFERS REQUIREMENT BY BOTH.

H. CONNECT EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY OWNER OR BY OTHER CONTRACTS.

I. RUN ELECTRICAL CONDUIT CONCEALED AND PARALLEL TO BUILDING LINES. VERIFY WITH ARCHITECT.

J. INSTALL COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEM THROUGHOUT BUILDING FOR FEEDERS, ETC.

K. ALL WORK ON SERVICE CONDUCTORS, FEEDERS, AND OTHER SUCH EQUIPMENT SHALL BE DONE ONLY WHEN SUCH CONDUCTORS, FEEDERS, AND EQUIPMENT ARE DE-ENERGIZED. THE CONTRACTOR SHALL HAVE AN "ELECTRICAL SAFETY AND LOCK-OUT/TAG-OUT PROCEDURE" IN PLACE PRIOR TO COMMENCEMENT OF WORK.

L. COORDINATE ALL CONDUIT TRENCHING WITH OTHER DISCIPLINES TO AVOID CONFLICT.

M. MINIMUM SIZE FOR EXTERIOR BELOW GRADE CONDUIT SHALL BE 1" AND/ORE INDICATED ON DRAWINGS.

N. COORDINATE WITH OWNER SO THAT WORK CAN BE SCHEDULED NOT TO INTERRUPT OPERATIONS, NORMAL ACTIVITIES, BUILDING ACCESS, ACCESS TO DIFFERENT AREAS. THE OWNER WILL COOPERATE TO THE BEST OF THEIR ABILITY TO ASSIST IN A COORDINATED SCHEDULE, BUT WILL REMAIN THE FINAL AUTHORITY AS TO TIME OF WORK PERMITTED.

O. COORDINATE THE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCEMENT OF WORK. COMPENSATE THE OWNER FOR DAMAGES CAUSED BY THE FAILURE TO LOCATE AND PRESERVE UTILITIES. REPLACE DAMAGED ITEMS WITH NEW MATERIAL TO MATCH EXISTING.

P. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEMS.

Q. PROVIDE TEMPORARY SUPPORT FOR ELECTRICAL SYSTEMS THAT REMAIN IN PLACE.

R. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT IN RATED WALLS, SLABS AND CEILINGS. MOUNT DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS.

S. BRACE ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE THAT ACT IN ANY DIRECTION. COMPLY WITH TITLE 24 REQUIREMENTS.

T. PROVIDE TESTING REPORTS TO ENGINEER FOR REVIEW UPON COMPLETION OF INSTALLATION FOR THE FOLLOWING, AS PART OF A DEFERRED SUBMITTAL IN CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD:

1. TORQUE TEST REPORTS PRIOR TO EQUIPMENT ENERGIZATION.

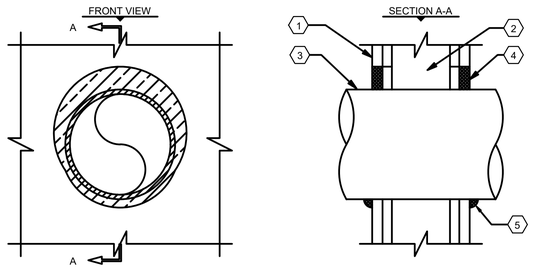
U. TIGHTENING TORQUE VALUES FOR TERMINAL CONNECTIONS SHALL BE AS INDICATED ON EQUIPMENT OR IN INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER. AN APPROVED MEANS SHALL BE USED TO ACHIEVE THE INDICATED TORQUE VALUE.

DETAIL KEYNOTES

1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR.OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

UL/cUL SYSTEM NO. W-L-1054

METAL PIPE THROUGH GYPSUM WALL ASSEMBLY
F-RATING = 1 AND 2-HOUR
T-RATING = 0-HOUR
L-RATING AT AMBIENT = LESS THAN 1CFM/SQFT
L-RATING AT 400 DEGREES FAHRENHEIT = 4 CFM/SQFT



NOTES

A. MAXIMUM DIAMETER OF OPENING:
   B. 32-1/4" FOR STEEL STUD WALLS.
   C. 14-1/2" FOR WOOD STUD WALLS.

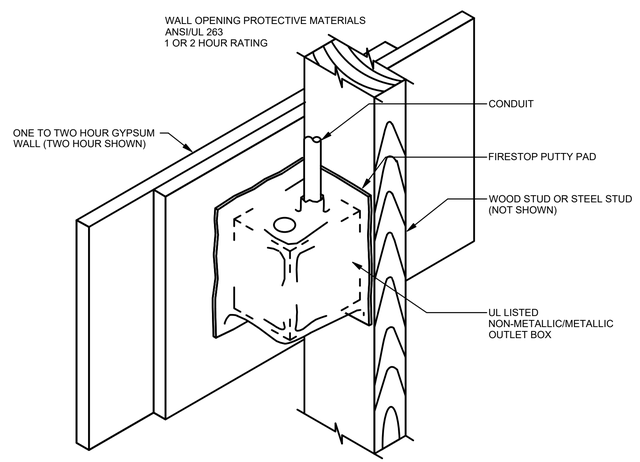
B. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4".

C. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.

D. PIPE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR.

1 CONDUIT THROUGH WALL FIRESTOP ASSEMBLY DETAIL

NO SCALE



2 FIRESTOP PUTTY PAD DETAIL

NO SCALE

SHEET INDEX

E0.0-4A	SYMBOL LIST, GENERAL NOTES, DETAILS & SHEET INDEX - ELECTRICAL
E0.1-4A	POLLUTION PREVENTION
E1.0-4A	SITE PLAN - POWER
E2.0-4A	ENLARGED PLANS, PARTIAL SINGLE LINE DIAGRAM & SCHEDULES - ELECTRICAL

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STATE OF CALIFORNIA
Signed: 8/7/26

No.	Date	Issue
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PERMIT RESUBMITTAL 08/10/2026

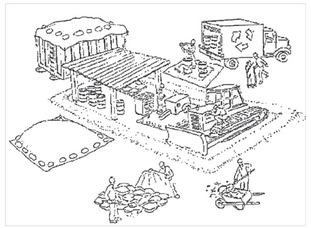
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Drawn By: MM
Review By: WA
Plot Date: 08/07/26

Sheet Title:
SYMBOL LIST, GENERAL NOTES, DETAILS & SHEET INDEX - ELECTRICAL

Sheet No.:
E0.0-4A

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City of Berkeley's
Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with City of Berkeley requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with City of Berkeley Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911 or the City of Berkeley's Public Works Department by dialing 311

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning



- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.

Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- Earth moving activities are only allowed during dry weather by permit and as approved by the City Inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of cntaminated soil according to their instructions.

Architectural Copper

If project contains architectural copper use best management practices as detailed in the handout Requirements for Architectural Copper available at the lobby of the Permit Service Center.

Dewatering operations

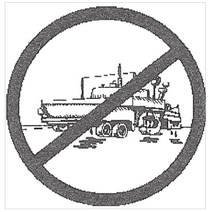


- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work



- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.



- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting



- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of $10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com

Project Title:
CITY OF BERKELEY
EV CHARGING PROJECT
ADULT MENTAL HEALTH CENTER
2640 MARTIN LUTHER KING JR. WAY
BERKELEY, CA
APN #: 54-1811-3

Design Firm:
SIEGEL & STRAIN Architects
6201 Doyle Street, Suite B
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Exp 09/27
STATE OF CALIFORNIA
Signed: 8/7/26

No.	Date	Issue
	03/27/2026	PERMIT SET

Issue Note:
PERMIT RESUBMITTAL 08/10/2026

Project ID: EVB
File Name:
Drawn By: MM
Review By: WA
Plot Date: 08/07/26

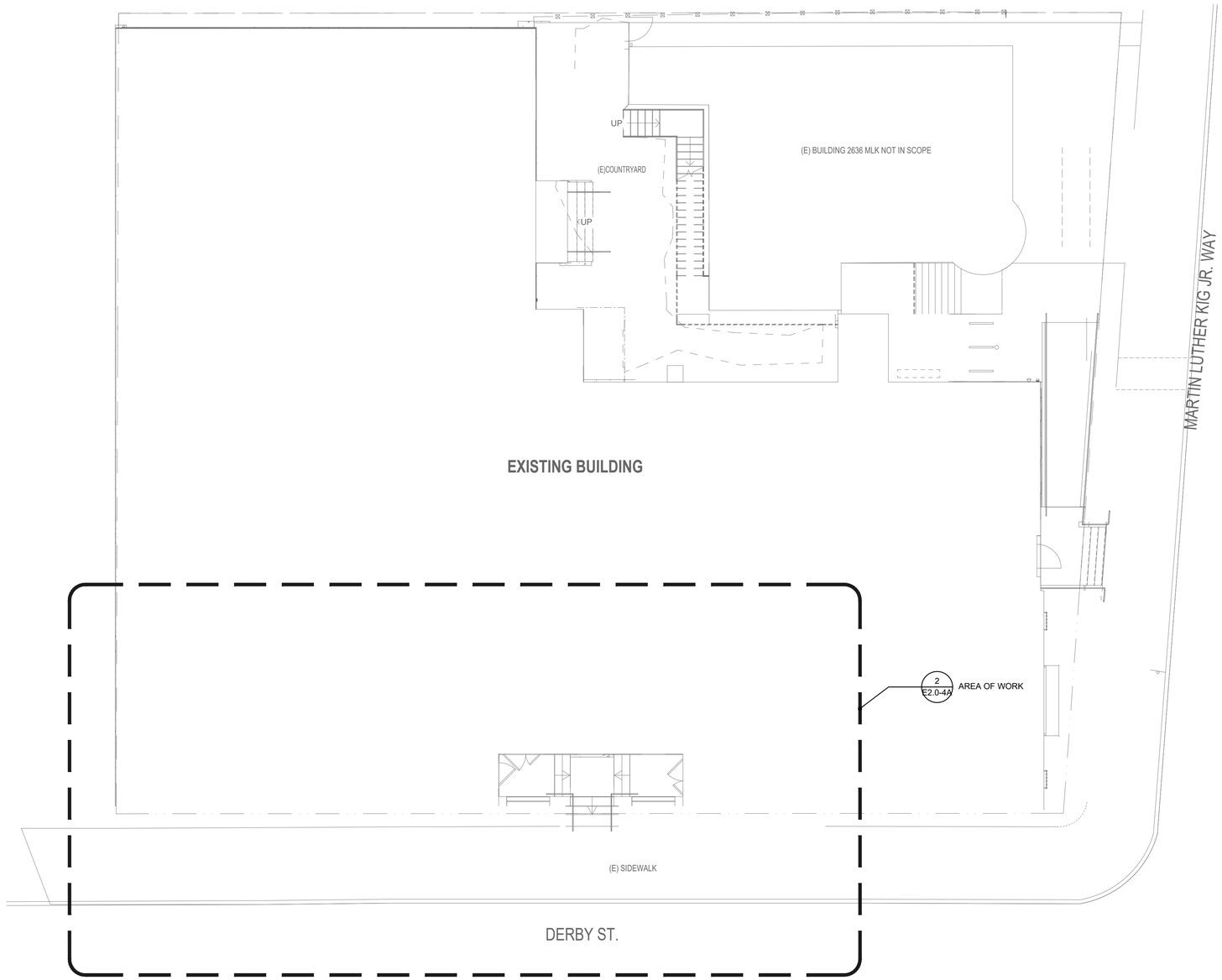
Sheet Title:
POLLUTION PREVENTION

Sheet No.:
E0.1-4A

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GENERAL SHEET NOTES

A. SITE PLAN SHOWN FOR REFERENCE ONLY.



1 SITE PLAN - POWER

NORTH

0 4' 8' 16'

SCALE: 1/8"=1'-0"

Project Title:

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No.	Date	Issue
	03/27/2026	PERMIT SET

Issue Note:

PERMIT
RESUBMITTAL
08/10/2026

Project ID: EVB
File Name:
Drawn By: MM
Review By: WA
Plot Date: 08/07/26

Sheet Title:
SITE PLAN - POWER

Sheet No.:

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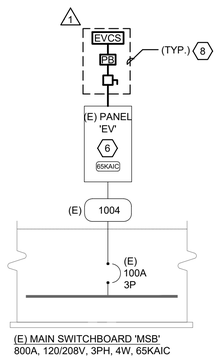
(E) Panel 'EV'

120/208V, 3 Ph., 4 W.; 100A Bus with 100A Main Circuit Breaker Surface Mounted Panelboard

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	(E) LEVEL 2 EVCS	3,328	G	40/2		A	2	40/2	3,328	G	LEVEL 2 EVCS	2
3	-	3,328	G	-		B		-	3,328	G	-	4
5	(E) SPARE			20/1		C	1	40/2	3,328	G	LEVEL 2 EVCS	6
7	(E) SPARE			20/1		A		-	3,328	G	-	8
9	(E) SPARE			20/1		B					(E) SPACE	10
11						C					(E) SPACE	12
13						A					(E) SPACE	14
15						B					(E) SPACE	16

Total Connected Load:	Ph. A	9,984	VA	83	Amps	Panel Connected Load:	20.0	KVA	55.4 Amps
Total Connected Load:	Ph. B	6,656	VA	55	Amps	Sub-Fed Connected Load:	0.0	KVA	0.0 Amps
Total Connected Load:	Ph. C	3,328	VA	28	Amps	**Total Demand Load:**	20.0	**KVA**	**55.4 Amps**

Notes:
1. PROVIDE NEW CIRCUIT BREAKER AS SHOWN AT EXISTING SPACE. NEW CIRCUIT BREAKER FRAME, TYPE, KAIC RATING AND MANUFACTURER TO MATCH EXISTING.
2. UTILIZE EXISTING SPARE CIRCUIT BREAKER.



1 PARTIAL SINGLE LINE DIAGRAM

NO SCALE

GENERAL SHEET NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

B. COORDINATE INSTALLATION OF EQUIPMENT AND UNDERGROUND ROUTING WITH ARCHITECTURAL AND CIVIL DRAWINGS.

C. PRIOR TO ANY SAW CUTTING FOR TRENCHING OF CONDUIT FEEDER ROUTING, FIELD VERIFY AND IDENTIFY ALL EXISTING UNDERGROUND SERVICES TO ENSURE THE PROPOSED FEEDER ROUTING IS CLEAR OF ANY OBSTRUCTION. CONDUIT FEEDERS SHALL BE BURIED AT 18" BELOW GROUND AT SIDEWALK, AND 24" BELOW GROUND AT ROADWAY, WITH CRUSHED GRAVEL COVERING.

D. PARTIAL SINGLE LINE DIAGRAM OF EXISTING ELECTRICAL DISTRIBUTION IS BASED ON AS-BUILT DRAWINGS AND SITE OBSERVATION AND IS SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.

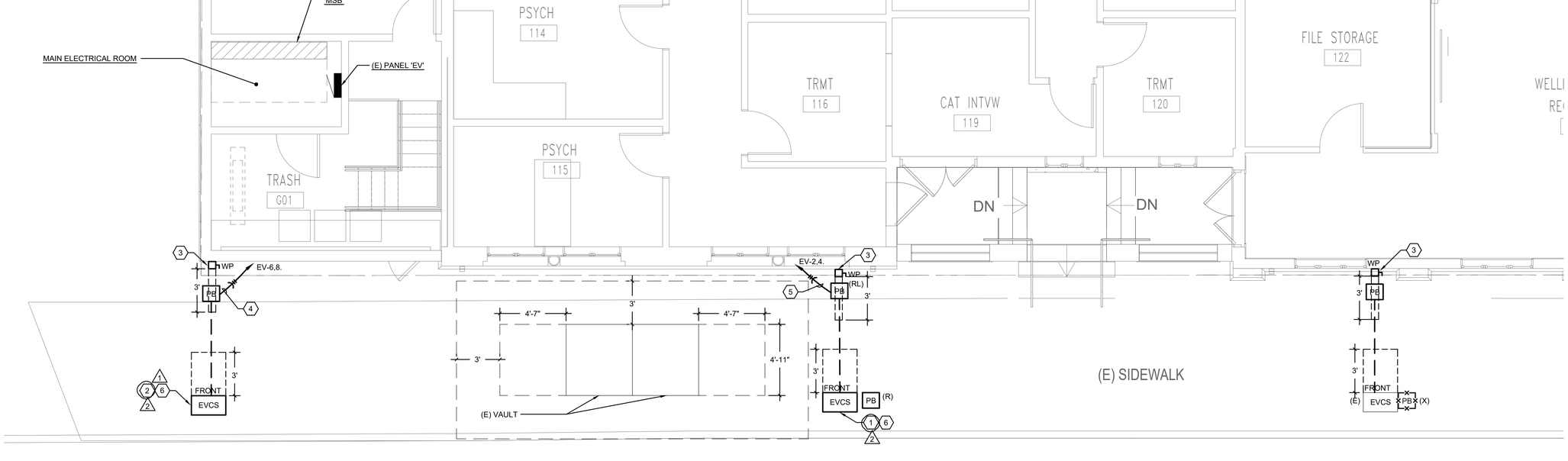
E. ELECTRICAL SHUTDOWN MUST BE PERFORMED AT NIGHT AND/OR WEEKENDS AT TIME PERIOD DIRECTED BY THE OWNER'S REPRESENTATIVE. SUBMIT A COMPLETE WRITTEN DESCRIPTION AND SCHEDULE OF WORK TO BE DONE DURING SHUTDOWN FOR OWNER'S REPRESENTATIVE REVIEW. OWNER'S REPRESENTATIVE WILL INFORM CONTRACTOR OF PERMITTED SHUTDOWN TIME.

FEEDER SCHEDULE

1004	4 #1 CU, 1 #8 CU GND., IN 1-1/2" C.

SHEET KEYNOTES

1. LOCATE FOR DUAL-PORT LEVEL 2 EVCS, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. BASIS OF DESIGN: CHARGEPOINT CP6000 WITH 32A CAPACITY 'POWER SELECT' OPTION, SINGLE CIRCUIT 'POWER SHARE' OPTION, AND EXTENDED CHARGING CORD OPTION, OR APPROVED EQUAL. CONNECT COMPLETE AS REQUIRED TO PLACE INTO SERVICE. REFERENCE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING CONDUIT STUB-UP. PROVIDE COMMISSIONING AND SETUP OF EVCS AT COMPLETION OF INSTALLATION. COORDINATE EXACT LOCATION OF EVCS WITH CITY OF BERKELEY PRIOR TO INSTALLATION. (1)
2. LOCATE FOR SINGLE-PORT LEVEL 2 EVCS, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. BASIS OF DESIGN: CHARGEPOINT CP6000 WITH 32A CAPACITY 'POWER SELECT' OPTION, AND EXTENDED CHARGING CORD OPTION, OR APPROVED EQUAL. CONNECT COMPLETE AS REQUIRED TO PLACE INTO SERVICE. REFERENCE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING CONDUIT STUB-UP. PROVIDE COMMISSIONING AND SETUP OF EVCS AT COMPLETION OF INSTALLATION. COORDINATE EXACT LOCATION OF EVCS WITH CITY OF BERKELEY PRIOR TO INSTALLATION. (1)
3. PROVIDE LOCAL LOCKABLE DISCONNECT SWITCH FOR EVCS. LOCATE BELOW DECORATIVE WALL WAINSCOTTING. PAINT TO MATCH EXISTING WALL COLOR AND CONNECT COMPLETE TO PLACE INTO SERVICE. COORDINATE EXACT LOCATION WITH CITY OF BERKELEY PRIOR TO INSTALLATION.
4. ROUTE CONDUIT UNDERGROUND FROM EXTERIOR TO BUILDING INTERIOR, THEN OVERHEAD THROUGH CEILING TO EXISTING PANEL.
5. PROVIDE NEW CONDUCTORS IN EXISTING CONDUIT IN INTERIOR CRAWLSPACE TO EXISTING PANEL.
6. AUTOMATIC LOAD MANAGEMENT SHALL BE INTEGRATED WITH EVCS SOFTWARE. LOAD MANAGEMENT SHALL BALANCE EVCS ENERGY TO KEEP TOTAL SYSTEM OUTPUT WITHIN THE FACILITY'S CAPACITY, FACILITATING OVERSUBSCRIPTION AT THE CIRCUIT LEVEL AND PANELBOARD LEVEL. BASIS OF DESIGN: CHARGEPOINT, OR APPROVED EQUAL. (1)
7. THE EXISTING LOAD ON THE PANEL IS 6.7KVA, WITH A MAXIMUM LOAD OF 6.7KVA X 1.25 = 8.4KVA. THE TOTAL CAPACITY OF THE 100A, 120/208V PANEL IS 36KVA. THE NEW LOAD ADDED IS 13.4KVA. THE TOTAL NEW DEMAND LOAD OF THE PANEL IS 21.8KVA, WHICH DOES NOT EXCEED THE TOTAL PANEL CAPACITY. THEREFORE, THE EXISTING PANEL HAS SUFFICIENT CAPACITY TO SERVE THE NEW LOADS AND DOES NOT REQUIRE UPSIZING.
8. REFER TO ENLARGED PLAN VIEW ON THIS SHEET FOR ADDITIONAL INFORMATION ON EACH EVCS CONNECTION.



2 ENLARGED PLANS - POWER

0 2' 4' 8'

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

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REGISTERED PROFESSIONAL ENGINEER WESTLEY F. ANASTASIO No. E22875 Exp:09/30/27 ELECTRICAL STATE OF CALIFORNIA

Signed: 8/7/26

No.	Date	Issue
	03/27/2026	PERMIT SET
1	06/03/2026	PLAN CHECK #1
2	08/10/2026	PLAN CHECK #2

Issue Note:
PERMIT RESUBMITTAL 08/10/2026

Project ID:	EVB
File Name:	
Drawn By:	MM
Review By:	WA
Plot Date:	08/07/26

Sheet Title:
ENLARGED PLANS, PARTIAL SINGLE LINE DIAGRAM & SCHEDULES - ELECTRICAL

Sheet No.:
E2.0-4A

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