

SCOPE OF WORK

PROJECT GENERALLY INCLUDES, BUT IS NOT LIMITED TO:

- DEMOLITION OF EXISTING ASPHALT, CURBS, GUTTERS, SIDEWALKS, BIKE RACK, AND LANDSCAPING.
- CONSTRUCTION OF SECURITY FENCING, PILASTERS, WALL, PEDESTRIAN GATE, VEHICULAR GATE AND OPERATOR.
- SITE UTILITIES, INCLUDING NEW ELECTRICAL FOR ROLLING GATE, EV2 CHARGER, AND SECURITY CAMERAS
- RENOVATE LAWN AREA WITH NEW LATERALS AND SPRAY HEADS AND SOD TO PATCH BACK TO UNDISTURBED LAWN AREA.
- NEW PLANTING.

PROJECT DIRECTORY

OWNER

City of San Luis Obispo Public Works
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San Luis Obispo, CA 93401
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sheet no. description

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Reference Documents:
City Standard Specifications - August 2020 Edition
City Engineering Standards - August 2020 Edition

Project Location

TOPOGRAPHIC SURVEY

PREPARED BY: RRM DESIGN GROUP

DATE: OCTOBER, 2023

PROJECT No.: 2504-05-PS23

DATUM:

COORDINATES SHOWN ARE BASED ON HORIZONTAL CONTROL POINTS 0030 & 0039 AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 2007 HORIZONTAL CONTROL NETWORK (NORTH AMERICAN DATUM OF 1983 (NAD83) EPOCH DATE 1991.35, ZONE 5 CALIFORNIA), THE BEARING BETWEEN CONTROL POINTS BEARS NORTH 29°28'27" EAST 2442.19'.

ELEVATIONS SHOWN ARE BASED ON THE CITY OF SAN LUIS OBISPO BENCHMARK SYSTEM 2020 REFERENCED TO BENCHMARK NO. 373 WITH AN ELEVATION OF 264.33'. CITY BENCHMARK SYSTEM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

SURVEY NOTES

1. ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GROUND DISTANCES.
2. THE CONTOUR INTERVAL IS 1 FOOT.
3. THIS SURVEY WAS DONE FOR THE PURPOSE OF MASTER PLAN DESIGN FOR THE MISSION PLAZA AND SURROUNDING STREETS.
4. UNDERGROUND UTILITY LOCATIONS ARE PLOTTED BASED ON ABOVE GROUND PAINT MARKS BY OTHERS, ABOVE GROUND SURFACE STRUCTURES. ACTUAL LOCATION MAY DIFFER. ADDITIONAL UNDERGROUND UTILITY LINES MAY EXIST. FOR MORE INFORMATION REGARDING UTILITY LOCATION, SIZE, DEPTH, CONDITION, AND CAPACITY CONTACT UTILITY OR MUNICIPAL/PUBLIC SERVICE FACILITY.
5. UNDERGROUND PIPE SIZES ARE BASED ON VISUAL OBSERVATIONS MADE FROM THE SURFACE AND ARE APPROXIMATE.
6. EASEMENTS AFFECTING THE PROPERTY SHOWN HEREON MAY EXIST. NO TITLE INFORMATION WAS PROVIDED. NO ATTEMPT HAS BEEN MADE TO PLOT EASEMENTS.



Know what's below.
Call 811 before you dig.



SAN LUIS OBISPO COUNTY, CALIFORNIA

1106 WALNUT FENCING IMPROVEMENTS



APPROVED BY

Brian A. Nelson, City Engineer R.C.E. C79870 Approved Date

SPECIFICATION NO. 2000577-02	DATE SEPTEMBER 9, 2024 FILE NO./LOCATION 2504-05-PS23	SHEET G001
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LEGEND

ABBREVIATIONS

GENERAL CONSTRUCTION NOTES

	PROPERTY/RIGHT-OF-WAY LINE
	CENTER LINE
	SANICUT AND CONFORM LINE
	LIMIT OF WORK
	FENCE LINE
	FLOW LINE
	GRADE BREAK
	TREE PROTECTION ZONE
	STRIPING
	TYPE II SLURRY SEAL
	EXISTING POLE LIGHT
	PROPOSED POLE LIGHT
	PROPOSED DRINKING FOUNTAIN/BOTTLE FILLER
	STORM DRAIN LINE
	WATER LINE
	SEWER LINE
	EXISTING MANHOLE
	EXISTING SIGN
	EXISTING WATER VALVE
	EXISTING CLEANOUT
	EXISTING WATER
	EXISTING SEWER
	EXISTING STORM DRAIN
	EXISTING OVERHEAD LINES
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AP	ANGLE POINT
ARV	AIR RELEASE VALVE
BCR	BEGIN CURVE
BW	BACK OF WALL
CB	CATCH BASIN
CL/CLL	CENTERLINE/CLASS
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
DBH	DIAMETER AT BREAST HEIGHT
[OF A TREE]	
DI	DRAIN INLET
DIP	DUCTILE IRON PIPE
EG	EXISTING GRADE
EX	EXISTING
ELEV	ELEVATION
FDC	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE
FL	FLOWLINE
FS	FINISHED SURFACE
FFE	FINISHED FLOOR ELEVATION
FW	FIRE WATER
HP	HIGH POINT
IPS	IRON PIPE SIZE
JT	JOINT TRENCH
LP	LOW POINT
MAX.	MAXIMUM
EL.	MINIMUM
NTS	NOT TO SCALE
PL	PROPERTY LINE
PCL	PARCEL
PCC	PORTLAND CEMENT CONCRETE
POC	POINT OF CURVE/POINT OF CONNECTION
POT	POINT OF TANGENT
PRC	POINT OF REVERSE CURVE
ROW	RIGHT OF WAY
RET. WALL	RETAINING WALL
RP	REDUCED PRESSURE
RW	RECYCLED WATER
SD	STORM DRAIN
SFM	SEWER FORCE MAIN
SL	STREET LIGHT/SERVICE
LATERAL	
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
TBD	TO BE DETERMINED
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TF	TOP OF FENCE
TP	TOP OF PAVEMENT
TG	TOP OF GRATE
TYP.	TYPICAL
TW	TOP OF WALL
UNOTED	UNLESS OTHERWISE NOTED
W	WATER
WSE	WATER SURFACE ELEVATION

- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THESE PLANS, SPECIAL PROVISIONS PREPARED FOR THIS PROJECT AND THE 2020 CITY OF SAN LUIS OBISPO STANDARD SPECIFICATIONS AND ENGINEERING STANDARDS, IN CONJUNCTION WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS, 2015 EDITION (UNREVISED), AND LATEST EDITION OF CALIFORNIA MUTCD.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN/CENTRAL CALIFORNIA" BY PHONE AT 8-1-1 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.
- THESE PLANS DO NOT INDICATE ALL EXISTING FACILITIES IN THE VICINITY OF THE PROPOSED WORK SUCH AS EXISTING IRRIGATION HEADS AND LINES, SHRUBBERY AND VEGETATION, ETC. THE CONTRACTOR MUST USE CARE TO AVOID DAMAGE TO ANY EXISTING IMPROVEMENTS OR VEGETATION IN THE VICINITY OF THE WORK, AND MUST REPAIR ANY FACILITIES DAMAGE DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER.
- WHERE TRIMMING OF EXISTING VEGETATION IS REQUIRED DURING CONSTRUCTION IT MUST BE DONE IN A MANNER TO REMOVE THE MINIMUM POSSIBLE AMOUNT OF VEGETATION AND LEAVE THE REMAINING IN AN ATTRACTIVE CONDITION. CONTRACTOR MUST COORDINATE WITH CITY ARBORIST PRIOR TO TRIMMING OF ANY VEGETATION.
- PROTECT TREE BRANCHES, TRUNK, ROOTS AND FOLIAGE THROUGH PROPER TRIMMING AND CONSTRUCTION TECHNIQUES WHENEVER POSSIBLE PER CITY STD SECTION 20.
- CONSULT WITH THE CITY'S ARBORIST PRIOR TO PRUNING OR WORKING WITHIN THE DRIPLINE OF ANY TREE. ALL PRUNING OF TREES SHALL BE KEPT TO A MINIMUM AND MUST FOLLOW CITY OF SAN LUIS OBISPO STANDARDS.
- NO TREES, OTHER THAN THOSE INDICATED ON THE DRAWINGS, SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF THE CITY.
- NO MATERIALS OR EQUIPMENT SHALL BE STORED WITHIN THE DRIPLINE OF ANY TREE.
- THESE PLANS DO NOT INDICATE ALL OVERHEAD LINES. CONTRACTOR SHALL TAKE CARE DURING CONSTRUCTION TO AVOID CONTACT WITH OR DAMAGE TO EXISTING OVERHEAD LINES.
- ANY EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WITH SERVICES IN THE AREA PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND COORDINATE WITH THE UTILITY COMPANIES AFFECTED BY CONSTRUCTION.
- PROTECT SURVEY MONUMENTS IN PLACE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REPLACEMENT OF DAMAGED OR DISPLACED SURVEY MONUMENTS AND SHALL NOTIFY THE CITY FIVE (5) WORKING DAYS PRIOR TO RESTORING MONUMENTS. MONUMENTS SHALL BE RESET BY A CALIFORNIA LICENSED LAND SURVEYOR AND SHALL INCLUDE PREPARING AND FILING A CORNER RECORD WITH SAN LUIS OBISPO COUNTY.
- ALL STRIPING AND MARKINGS SHALL BE PER CALTRANS REVISED STANDARD PLANS 2015 -A20A, A20B, A20C, A20D, A24A, A24B, A24C, A24D, AND A24E. ANY STRIPING NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN PLACE. SEE SPECIAL PROVISIONS SECTION 84.
- ALL CURB, GUTTER, AND SIDEWALK IMPROVEMENTS SHALL BE COMPLETED PRIOR TO THE START OF PAVING WORK.
- CONCRETE SIDEWALKS MUST CONFORM TO ENGINEERING STANDARDS 4110 & 4220.
- REMOVAL AND REPLACEMENT OF EXISTING CONCRETE SHALL CONFORM TO ENGINEERING STANDARD 4910.
- ALL EQUIPMENT SUBMITTALS, INCLUDING PATH/STREET LIGHTING, SIGNS, ETC. SHALL BE APPROVED BY CITY PRIOR TO INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UTILITY COVERS IN FIELD.
- PROTECT UTILITY COVERS IN PLACE. ENSURE EXCESSIVE LIP BETWEEN COVER AND SLURRY DOES NOT FORM. THERMOPLASTIC STRIPING PLACED ON CONCRETE REQUIRES A PRIMER COAT PRIOR TO APPLICATION.
- CONTRACTOR SHALL USE PRECAUTION TO PREVENT DISRUPTION OF PROJECT SITE IN AREAS OUTSIDE CONSTRUCTION ZONE. DAMAGES SHALL BE REPLACED OR REPAIRED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT VIDEO LOG OF CONSTRUCTION SITE THROUGHOUT DURATION OF PROJECT.
- PROPOSED DEVIATIONS FROM THE PLANS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL, INCLUDING FIELD REVISIONS REQUESTED BY THE CITY INSPECTOR.
- CONSTRUCTION LINE AND GRADE STAKES SHALL BE SET BY A CIVIL ENGINEER OR SURVEYOR LICENSED IN THE STATE OF CALIFORNIA.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OR PROPER RESETTING OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. ANY SURVEY MONUMENTS DESTROYED BY THE CONTRACTOR SHALL BE REPLACED IN ACCORDANCE WITH THE STATE LAND SURVEYORS ACT AND CITY STANDARDS, AT THE CONTRACTOR'S EXPENSE.
- ALL PROTECTIVE DEVICES TO BE INSTALLED BY THE CONTRACTOR. SHALL BE IN PLACE AT THE END OF EACH WORK DAY. A SAFE PEDESTRIAN PATH OF TRAVEL SHALL BE PROVIDED AT ALL TIMES TO AND FROM BUILDING ENTRANCES TO PARKING FACILITIES. COORDINATE PEDESTRIAN WALK CLOSURES WITH OWNER PRIOR TO CONSTRUCTION.
- WORK IN AND ALONG PUBLIC STREETS AND PARKING LOTS, ONCE BEGUN, SHALL PROCEED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO THE PUBLIC.
- SUBSURFACE UTILITY DATA IS DEPICTED TO LEVEL C OF CUS/ASC 38-02 AS DEFINED IN THE GUIDANCE OF THE EXISTING UTILITY DATA. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF LOCATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. ALL UTILITIES SHALL BE PROTECTED AND REPAIRED BY THE CONTRACTOR IF DAMAGED. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL UTILITY COMPANIES 48 HOURS PRIOR TO THE BEGINNING OF WORK. BRING ANY CONFLICTS WITH NEW IMPROVEMENTS IMMEDIATELY TO THE ATTENTION OF THE CITY.
- CONTRACTOR SHALL PROVIDE A LEGIBLE AND COMPLETE SET OF PLANS IDENTIFYING ALL MODIFICATIONS MADE DURING CONSTRUCTION TO THE CITY FOR THE PREPARATION OF RECORD DRAWINGS.
- ALL CONSTRUCTION SHALL CONFORM TO LATEST EDITION OF CALIFORNIA BUILDING CODE TITLE 24.
- THIS PROJECT SHALL COMPLY WITH THE 2022 EDITIONS OF THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBS), AND THE CALIFORNIA ENERGY CODE (CENC). ALL AMENDMENTS TO THE CA CODES ADOPTED BY THE CITY OF SAN LUIS OBISPO, AND ALL OTHER CODES, REGULATIONS, AND APPROVALS ESTABLISHED BY THE CITY OF SAN LUIS OBISPO.



PROJECT TITLE: **1106 WALNUT FENCING IMPROVEMENTS**

SHEET TITLE: **GENERAL NOTES**



DESIGNED BY: **LW**
 DRAWN BY: **DK**
 CHECKED BY: **LW**
 APPROVED BY:

SCALE: **AS NOTED**

DATE: **SEPTEMBER, 2024**

CITY SPECIFICATION NO: **2000577-02**
 PLAN FILE NO./LOCATION: **2504-05-PS23**
 SHEET NO.

G002

N:\1\2024\05-PS23\05-PS23-02-PDM-Building-Fencing-Landscape-Architecture-Task-L2-Contractor-Drawing-Plan-L1-Title-Sheet.dwg - Z:GENERAL NOTES.dwg 12/20/24 4:55pm - LDWincemem

A:\120071280\12804-05-PS23-SS-CD-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000

DEMOLITION NOTES

- THIS DEMOLITION PLAN WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT AND THE ENGINEER DO NOT REPRESENT THAT ITEMS WHICH MAY REQUIRE DEMOLITION AND REMOVAL HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND DETERMINE AND EXECUTE ALL DEMOLITIONS AND REMOVALS NECESSARY FOR THE CONSTRUCTION OF THE NEW WORK TO THE SPECIFIED LINES, GRADINGS, AND CONFIGURATIONS.
- DEMOLITION WORK AND ABANDONMENT SHALL CONFORM TO THE UNIFORM BUILDING CODE, TITLE 24, AND THE CITY OF SAN LUIS OBISPO REQUIREMENTS. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER OF RECORD AND THE CITY OF SAN LUIS OBISPO ENGINEER.
- ALL DEMOLITION WORK SHALL CONFORM TO THE SPECIFICATIONS FOR THIS PROJECT.
- NO DEMOLITION SHALL BE STARTED WITHOUT APPROVED PLANS. THE CITY OF SAN LUIS OBISPO SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO STARTING DEMOLITION.
- THE PLANS DO NOT AUTHORIZE SITE DISTURBANCE BEYOND THE LIMITS OF THE DEMOLITION LIMIT LINES AS REPRESENTED ON THE PLANS UNLESS OTHERWISE NOTED.
- ALL ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION OR TO THE SATISFACTION OF THE CITY.
- ALL DEBRIS FROM THE DEMOLITION PROCESS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
- ALL STREETS, ALLEYS, VEHICULAR WAYS, SIDEWALKS, AND HAUL ROUTES SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS, DIRT AND DUST IN A MANNER ACCEPTABLE TO THE CITY. AT A MINIMUM, THESE AREAS SHALL BE CLEANED AT THE END OF EACH WORK DAY. FAILURE TO DO SO WILL RESULT IN A "STOP WORK" NOTICE. SAID NOTICE WILL NOT BE RELEASED UNTIL THE AREA HAS BEEN CLEANED TO THE SATISFACTION OF THE CITY. THE FLUSHING OF DIRT OR DEBRIS INTO STORM DRAIN OR SANITARY SEWER FACILITIES SHALL NOT BE PERMITTED.
- ALL ABANDONED UTILITIES SHALL BE MARKED IN THE FIELD AND LOCATED ON THE DRAWINGS OF RECORD BY THE CONTRACTOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. EXISTING UTILITIES AND IMPROVEMENTS SHOWN ON THESE PLANS ARE FROM RECORDED SOURCES AND SPOT CHECKS. UTILITIES ARE SHOWN FOR DESIGN PURPOSES ONLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL UTILITY COMPANIES 48 HOURS PRIOR TO THE BEGINNING OF WORK. BRING ANY CONFLICTS WITH NEW IMPROVEMENTS IMMEDIATELY TO THE ATTENTION OF THE CITY.
- NOTIFY UNDERGROUND SERVICE ALERT (USA) TOLL FREE AT 811 A MINIMUM OF 48 WORKING HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL NOT INTERRUPT ANY SERVICES OR DISRUPT THE OPERATION OF ADJACENT BUSINESSES. RESIDENTIAL AREAS OR CHASTE FACILITIES OUTSIDE THE LIMITS OF DEMOLITION.

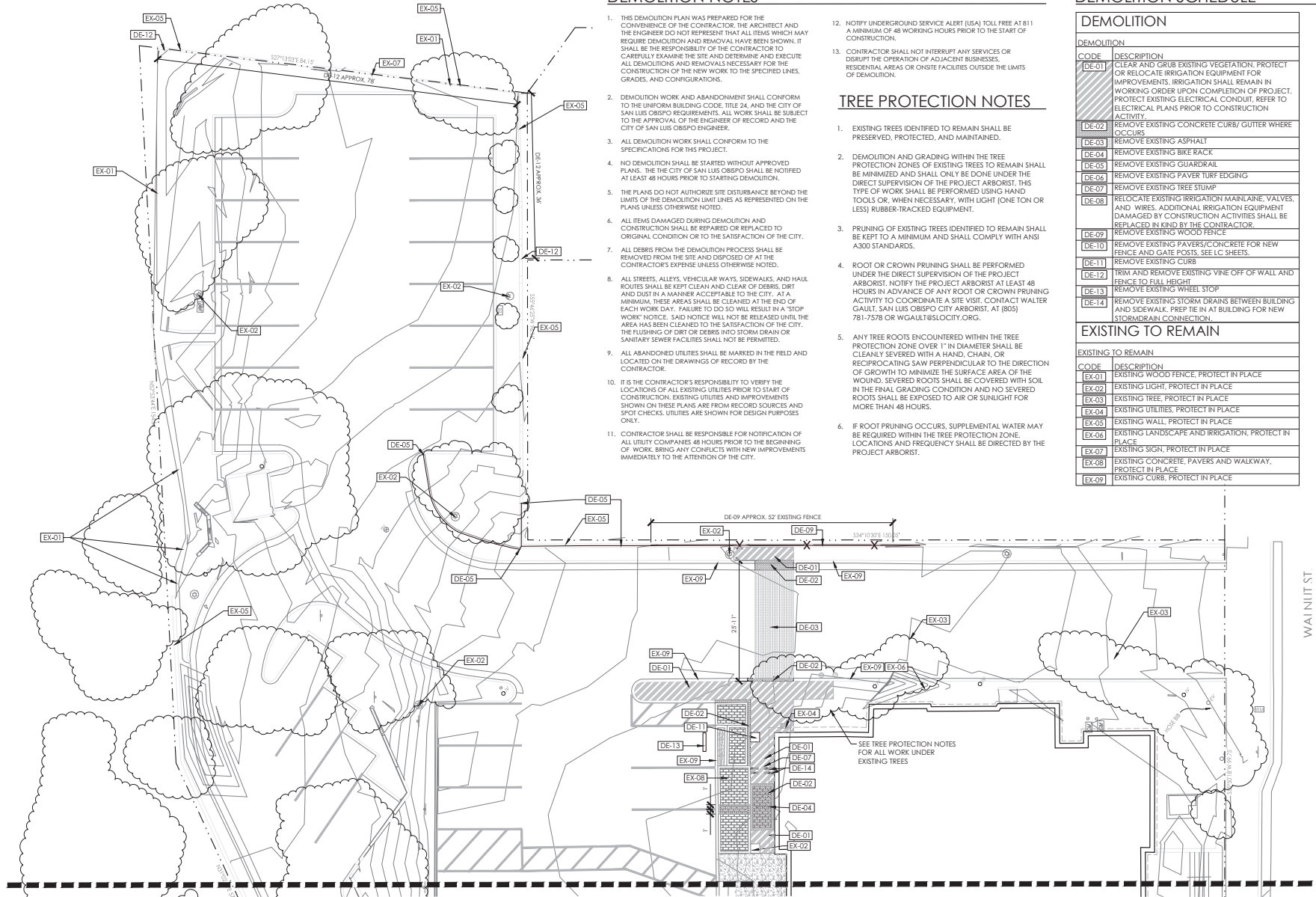
TREE PROTECTION NOTES

- EXISTING TREES IDENTIFIED TO REMAIN SHALL BE PRESERVED, PROTECTED, AND MAINTAINED.
- DEMOLITION AND GRADING WITHIN THE TREE PROTECTION ZONES OF EXISTING TREES TO REMAIN SHALL BE MINIMIZED AND SHALL ONLY BE DONE UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST. THIS TYPE OF WORK SHALL BE PERFORMED USING HAND TOOLS OR, WHEN NECESSARY, WITH LIGHT (ONE TON OR LESS) RUBBER-TRACKED EQUIPMENT.
- PRUNING OF EXISTING TREES IDENTIFIED TO REMAIN SHALL BE KEPT TO A MINIMUM AND SHALL COMPLY WITH ANSI A300 STANDARDS.
- ROOT OR CROWN PRUNING SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST. NOTIFY THE PROJECT ARBORIST AT LEAST 48 HOURS IN ADVANCE OF ANY ROOT OR CROWN PRUNING ACTIVITY TO COORDINATE A SITE VISIT. CONTACT WALTER GAULT, SAN LUIS OBISPO CITY ARBORIST, AT (805) 781-7578 OR WGAULT@LOCITY.ORG.
- ANY TREE ROOTS ENCOUNTERED WITHIN THE TREE PROTECTION ZONE OVER 1" IN DIAMETER SHALL BE CLEANLY SEVERED WITH A HAND, CHAIN, OR RECIPROCATING SAW PERPENDICULAR TO THE DIRECTION OF GROWTH TO MINIMIZE THE SURFACE AREA OF THE WOUND. SEVERED ROOTS SHALL BE COVERED WITH SOIL IN THE FINAL GRADING CONDITION AND NO SEVERED ROOTS SHALL BE EXPOSED TO AIR OR SUNLIGHT FOR MORE THAN 48 HOURS.
- IF ROOT PRUNING OCCURS, SUPPLEMENTAL WATER MAY BE REQUIRED WITHIN THE TREE PROTECTION ZONE. LOCATIONS AND FREQUENCY SHALL BE DIRECTED BY THE PROJECT ARBORIST.

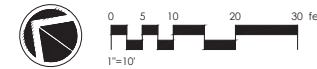
DEMOLITION SCHEDULE

DEMOLITION	
CODE	DESCRIPTION
DE-01	CLEAR AND GRUB EXISTING VEGETATION, PROTECT OR RELOCATE IRRIGATION EQUIPMENT FOR IMPROVEMENTS. IRRIGATION SHALL REMAIN IN WORKING ORDER UPON COMPLETION OF PROJECT. PROTECT EXISTING ELECTRICAL CONDUIT. REFER TO ELECTRICAL PLANS PRIOR TO CONSTRUCTION ACTIVITY.
DE-02	REMOVE EXISTING CONCRETE CURB/ GUTTER WHERE OCCURS
DE-03	REMOVE EXISTING ASPHALT
DE-04	REMOVE EXISTING BIKE RACK
DE-05	REMOVE EXISTING GUARDRAIL
DE-06	REMOVE EXISTING PAVEMENT TURF EDGING
DE-07	REMOVE EXISTING TREE STUMP
DE-08	RELOCATE EXISTING IRRIGATION MAINLINE, VALVES, AND WIRES. ADDITIONAL IRRIGATION EQUIPMENT DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
DE-09	REMOVE EXISTING WOOD FENCE
DE-10	REMOVE EXISTING PAVERS/CONCRETE FOR NEW FENCE AND GATE POSTS. SEE LC SHEETS.
DE-11	REMOVE EXISTING CURB
DE-12	TRIM AND REMOVE EXISTING VINE OFF OF WALL AND FENCE TO FULL HEIGHT
DE-13	REMOVE EXISTING WHEEL STOP
DE-14	REMOVE EXISTING STORM DRAINS BETWEEN BUILDING AND SIDEWALK. PREP TIE IN AT BUILDING FOR NEW STORM/RAIN CONNECTION

EXISTING TO REMAIN	
CODE	DESCRIPTION
EX-01	EXISTING WOOD FENCE, PROTECT IN PLACE
EX-02	EXISTING LIGHT, PROTECT IN PLACE
EX-03	EXISTING TREE, PROTECT IN PLACE
EX-04	EXISTING UTILITIES, PROTECT IN PLACE
EX-05	EXISTING WALL, PROTECT IN PLACE
EX-06	EXISTING LANDSCAPE AND IRRIGATION, PROTECT IN PLACE
EX-07	EXISTING SIGN, PROTECT IN PLACE
EX-08	EXISTING CONCRETE, PAVERS AND WALKWAY, PROTECT IN PLACE
EX-09	EXISTING CURB, PROTECT IN PLACE



MATCHLINE - CD102



PROJECT TITLE: 1106 WALNUT FENCING IMPROVEMENTS
 SHEET TITLE: DEMOLITION PLAN
 99% CONSTRUCTION DOCUMENTS



DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPTEMBER, 2024
 CITY SPECIFICATION NO: 2000577-02
 PLAN FILE NO./LOCATION: 2504-05-PS23
 SHEET NO.: CD101



1106 WALNUT FENCING IMPROVEMENTS

SITE REFERENCE PLAN

PROJECT TITLE

SHEET TITLE

90% CONSTRUCTION DOCUMENTS



DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE: AS NOTED

DATE: SEPTEMBER, 2024

CITY SPECIFICATION NO. 2000577-02

PLAN FILE NO./LOCATION: 2504-05-PS23

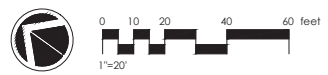
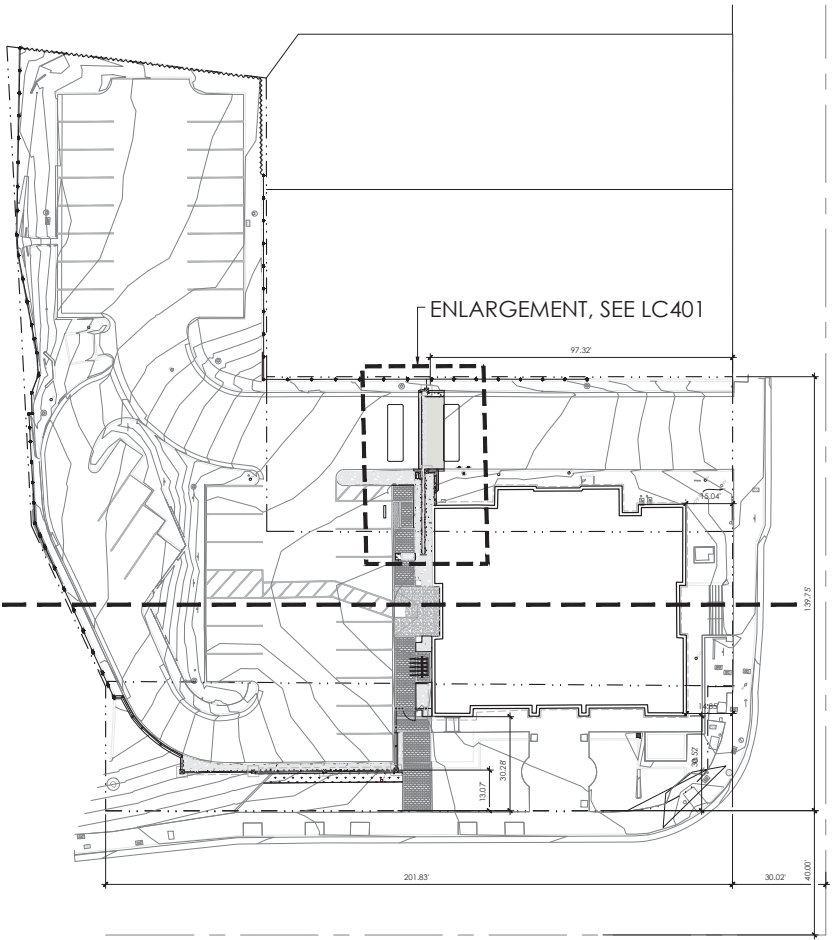
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LC001

PROJECT INFORMATION

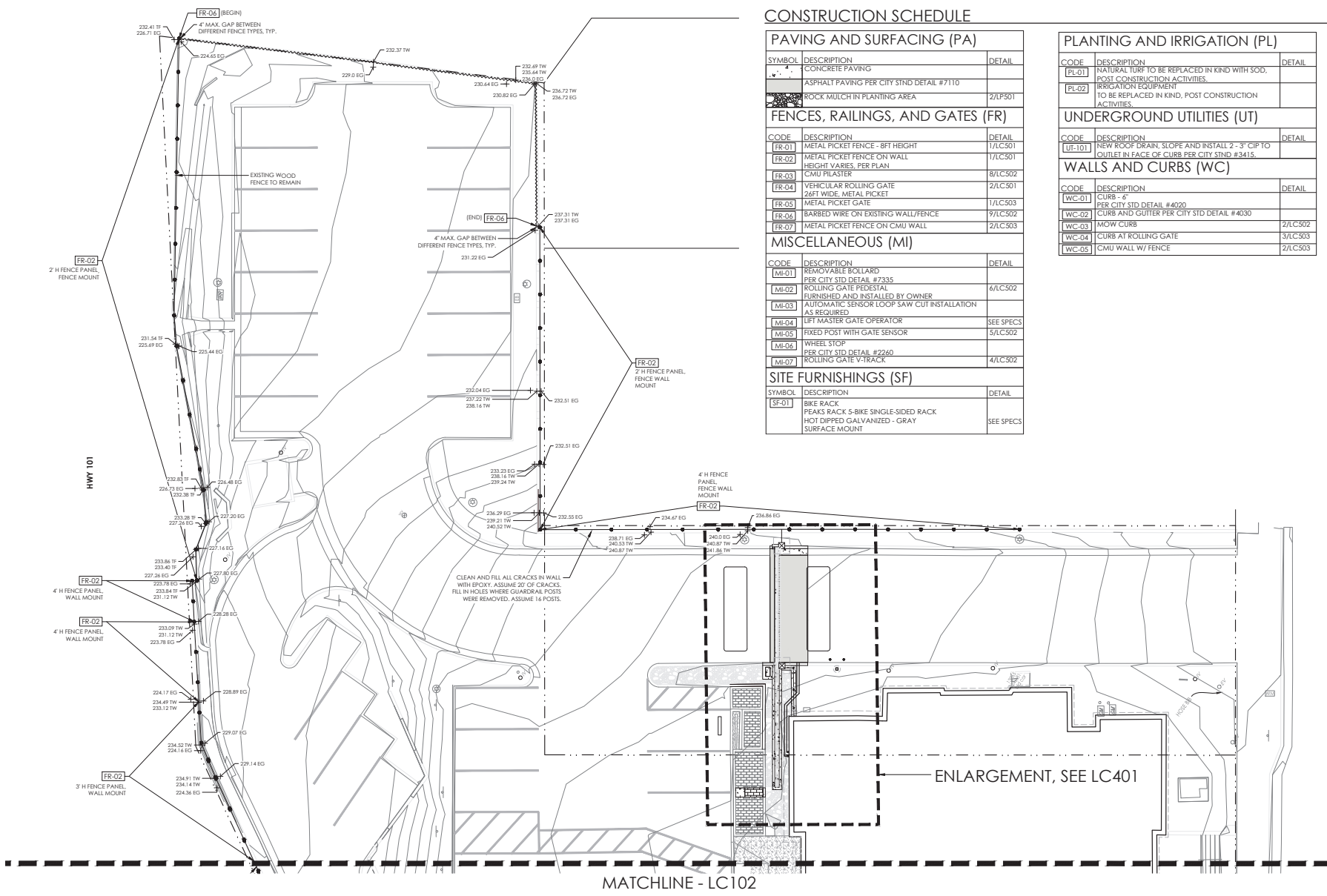
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APN: 001-207-039
ZONING: O (OFFICE)
LOT SIZE: .87 AC
LAND USE: OFFICE
EXISTING USE: OFFICE
PROPOSED USE: OFFICE

SEE SHEET - LC101
SEE SHEET - LC102



\\1\2407\2504-05-PS23\3-CP\PM-Building-Fencing\Landscaping-Architectural\Task-2\ConDoc\Drawn-Final\LC2504-05.rvt, LC001, Sep 12, 2024, 4:55am, LDHerschen

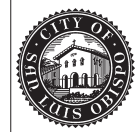
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CONSTRUCTION SCHEDULE

PAVING AND SURFACING (PA)		
SYMBOL	DESCRIPTION	DETAIL
	CONCRETE PAVING	
	ASPHALT PAVING PER CITY STD DETAIL #7110	
	ROCK MULCH IN PLANTING AREA	2/LP501
FENCES, RAILINGS, AND GATES (FR)		
CODE	DESCRIPTION	DETAIL
FR-01	METAL PICKET FENCE - 8FT HEIGHT	1/LC501
FR-02	METAL PICKET FENCE ON WALL HEIGHT VARIES, PER PLAN	1/LC501
FR-03	CMU PILASTER	8/LC502
FR-04	VEHICULAR ROLLING GATE	2/LC501
FR-05	METAL PICKET GATE	1/LC503
FR-06	BARBED WIRE ON EXISTING WALL/FENCE	9/LC502
FR-07	METAL PICKET FENCE ON CMU WALL	2/LC503
MISCELLANEOUS (MI)		
CODE	DESCRIPTION	DETAIL
MI-01	REMOVABLE BOLLARD PER CITY STD DETAIL #7335	
MI-02	ROLLING GATE FEDESTAL FURNISHED AND INSTALLED BY OWNER AS REQUIRED	6/LC502
MI-03	AUTOMATIC SENSOR LOOP SAW CUT INSTALLATION	
MI-04	LIFT MASTER GATE OPERATOR	SEE SPECS
MI-05	FIXED POST WITH GATE SENSOR	5/LC502
MI-06	WHEEL STOP PER CITY STD DETAIL #2260	
MI-07	ROLLING GATE V-RACK	4/LC502
SITE FURNISHINGS (SF)		
SYMBOL	DESCRIPTION	DETAIL
SF-01	BIKE RACK PEAKS RACK 5-BIKE SINGLE-SIDED RACK HOT DIPPED GALVANIZED - GRAY SURFACE MOUNT	SEE SPECS

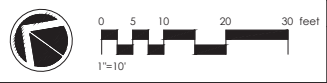
PLANTING AND IRRIGATION (PL)		
CODE	DESCRIPTION	DETAIL
PL-01	NATURAL TURF TO BE REPLACED IN KIND WITH SOD. POST CONSTRUCTION ACTIVITIES.	
PL-02	IRRIGATION EQUIPMENT TO BE REPLACED IN KIND. POST CONSTRUCTION ACTIVITIES.	
UNDERGROUND UTILITIES (UT)		
CODE	DESCRIPTION	DETAIL
UT-101	NEW ROOF DRAIN. SLOPE AND INSTALL 2'-3" CIP TO OUTLET IN FACE OF CURB PER CITY STD #3415.	
WALLS AND CURBS (WC)		
CODE	DESCRIPTION	DETAIL
WC-01	CURB - 6" PER CITY STD DETAIL #4020	
WC-02	CURB AND GUTTER PER CITY STD DETAIL #4030	
WC-03	MOW CURB	2/LC502
WC-04	CURB AT ROLLING GATE	3/LC503
WC-05	CMU WALL W/ FENCE	2/LC503



1106 WALNUT FENCING IMPROVEMENTS
CONSTRUCTION PLAN
 PROJECT TITLE
 SHEET TITLE
 90% CONSTRUCTION DOCUMENTS

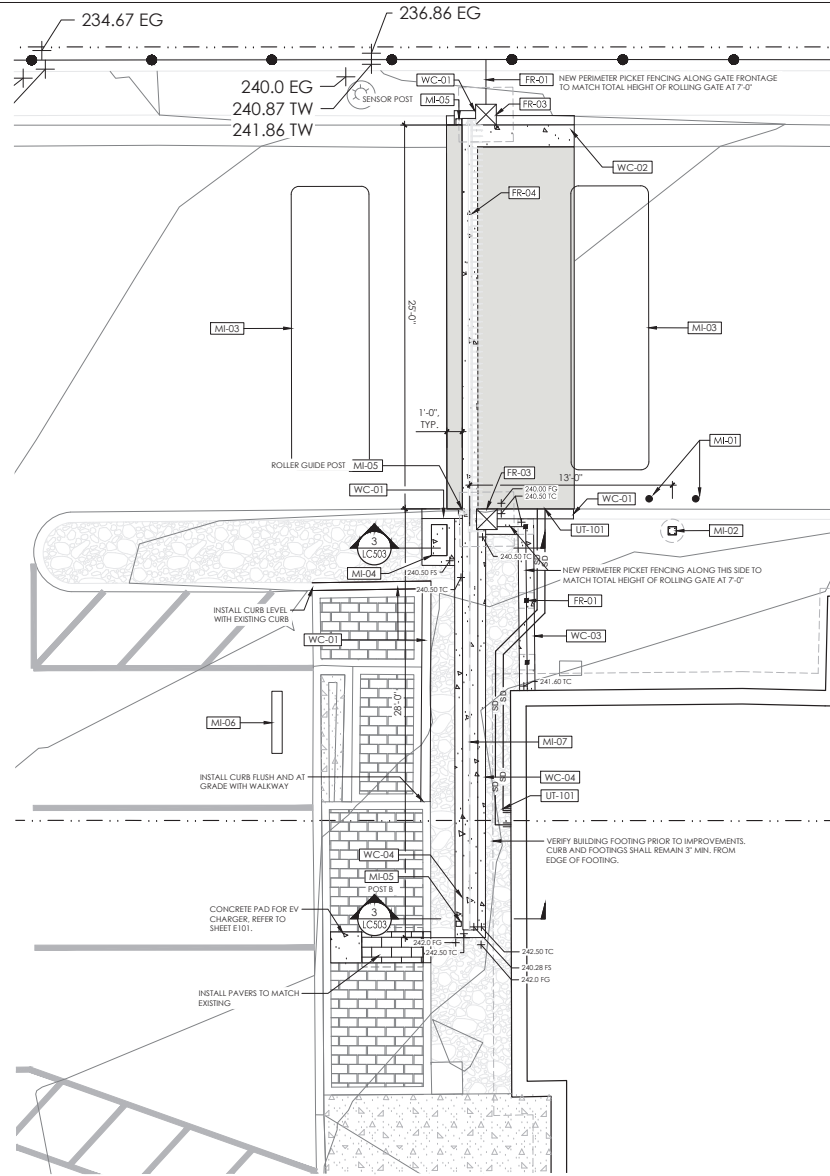


DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPTEMBER, 2024
 CITY SPECIFICATION NO: 2000577-02
 PLAN FILE NO./LOCATION: 2504-05-PS23
 SHEET NO.



LC101

A:\1401\2004-05-PS23-3LCP\PM-Building-Fencing\Landscaping-Fencing\1106-Walnut-Fence\1106-Walnut-Fence.dwg, LC401, Sep 12, 2024, 10:23am, (D:\mswain)



CONSTRUCTION SCHEDULE

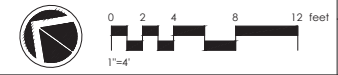
PAVING AND SURFACING (PA)		
SYMBOL	DESCRIPTION	DETAIL
	CONCRETE PAVING	
	ASPHALT PAVING PER CITY STD DETAIL #7110	
	ROCK MULCH IN PLANTING AREA	2/LP501
FENCES, RAILINGS, AND GATES (FR)		
CODE	DESCRIPTION	DETAIL
FR-01	METAL PICKET FENCE - 8FT HEIGHT	1/LC501
FR-02	METAL PICKET FENCE ON WALL HEIGHT VARIES, PER PLAN	1/LC501
FR-03	CMU PLASTER	8/LC502
FR-04	VEHICULAR ROLLING GATE 26FT WIDE, METAL PICKET	2/LC501
FR-05	METAL PICKET GATE	1/LC503
FR-06	BARBED WIRE ON EXISTING WALL/FENCE	9/LC502
FR-07	METAL PICKET FENCE ON CMU WALL	2/LC503
MISCELLANEOUS (MI)		
CODE	DESCRIPTION	DETAIL
MI-01	REMOVABLE BOLLARD PER CITY STD DETAIL #7335	
MI-02	ROLLING GATE PEDESTAL FURNISHED AND INSTALLED BY OWNER	6/LC502
MI-03	AUTOMATIC SENSOR LOOP SAW CUT INSTALLATION AS REQUIRED	
MI-04	LIFT MASTER GATE OPERATOR	SEE SPECS
MI-05	FIXED POST WITH GATE SENSOR	5/LC502
MI-06	WHEEL STOP PER CITY STD DETAIL #2260	
MI-07	ROLLING GATE V-TRACK	4/LC502
SITE FURNISHINGS (SF)		
SYMBOL	DESCRIPTION	DETAIL
SF-01	BIKE RACK PEAKS RACK 5-BIKE SINGLE-SIDED BACK HOT DIPPED GALVANIZED - GRAY SURFACE MOUNT	SEE SPECS
PLANTING AND IRRIGATION (PL)		
CODE	DESCRIPTION	DETAIL
PL-01	NATURAL TURF TO BE REPLACED IN KIND WITH SOD, POST CONSTRUCTION ACTIVITIES.	
PL-02	IRRIGATION EQUIPMENT TO BE REPLACED IN KIND, POST CONSTRUCTION ACTIVITIES.	
UNDERGROUND UTILITIES (UT)		
CODE	DESCRIPTION	DETAIL
UT-101	NEW ROOF DRAIN, SLOPE AND INSTALL 2 - 3" CIP TO OUTLET IN FACE OF CURB PER CITY STD #3415.	
WALLS AND CURBS (WC)		
CODE	DESCRIPTION	DETAIL
WC-01	CURB - 6" PER CITY STD DETAIL #4020	
WC-02	CURB AND GUTTER PER CITY STD DETAIL #4030	
WC-03	MOW CURB	2/LC502
WC-04	CURB AT ROLLING GATE	3/LC503
WC-05	CMU WALL W/ FENCE	2/LC503



1106 WALNUT FENCING IMPROVEMENTS
ROLLING GATE ENLARGEMENT
 PROJECT TITLE
 SHEET TITLE
 90% CONSTRUCTION DOCUMENTS

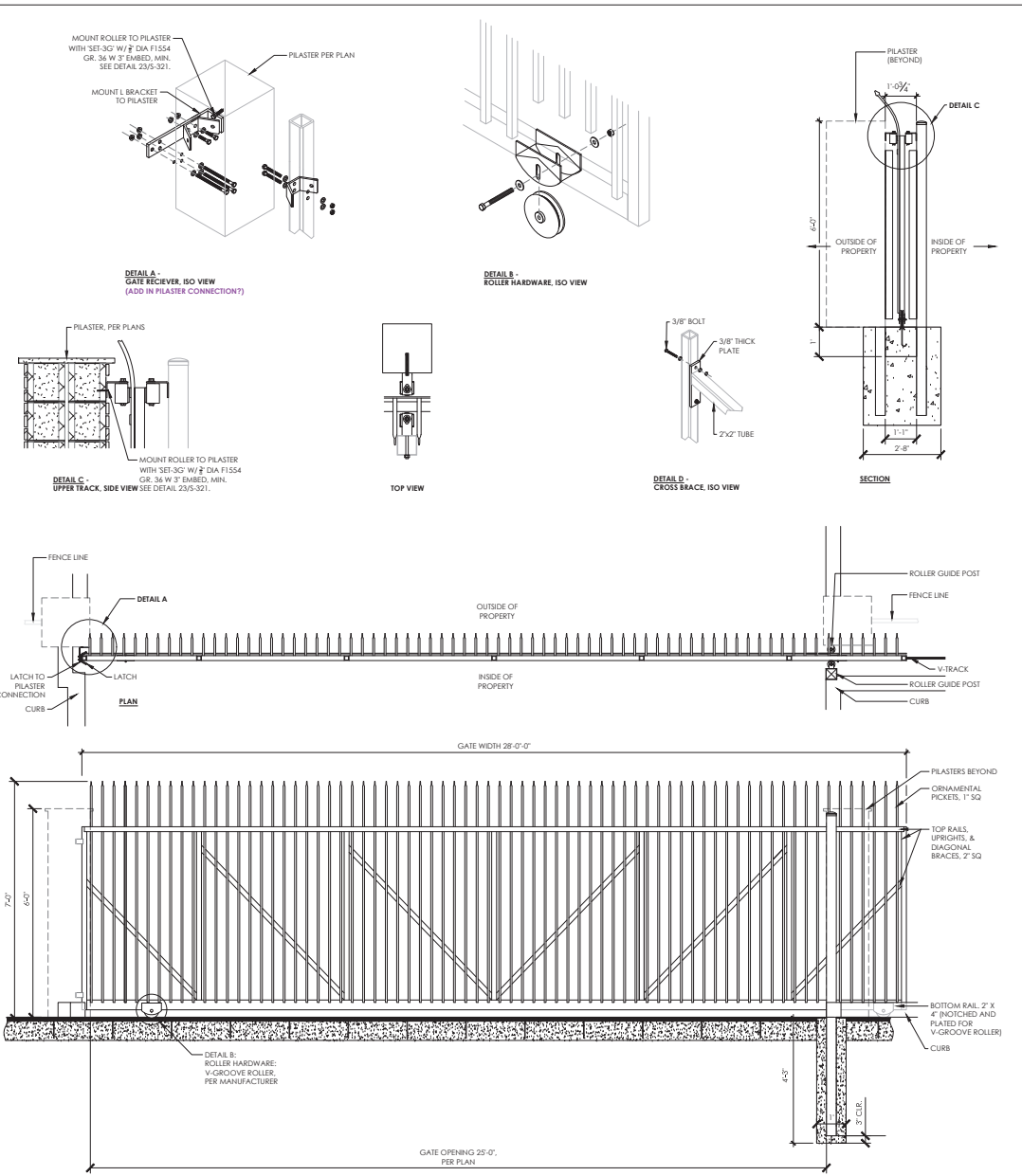


DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPTEMBER, 2024
 CITY SPECIFICATION NO: 200577-02
 PLAN FILE NO./LOCATION: 2504-05-PS23
 SHEET NO.



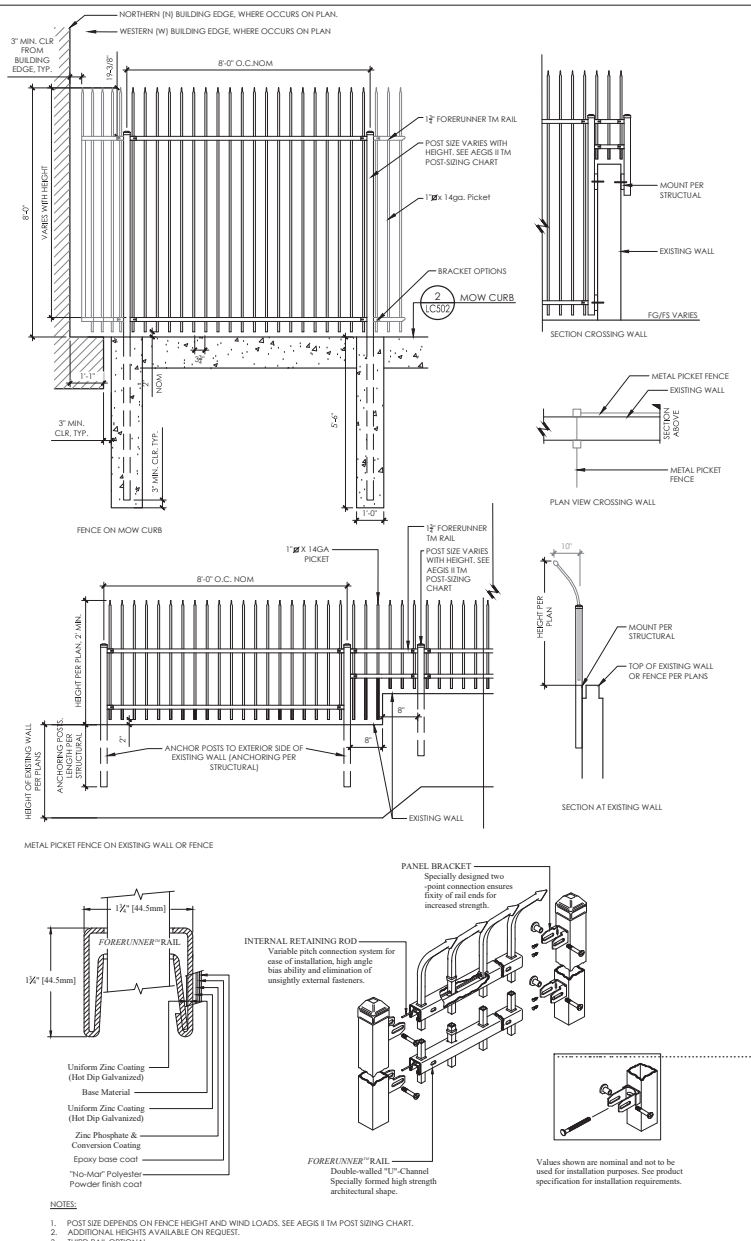
LC401

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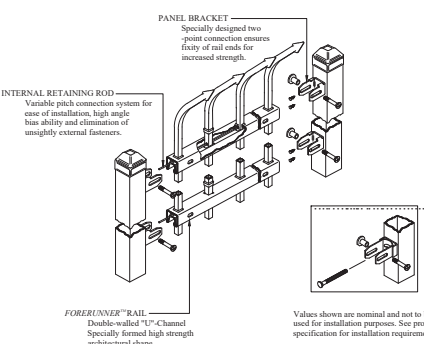
2 VEHICULAR ROLLING GATE
1/2" = 1'-0"


RRM-2500-2504-05-19



1 METAL PICKET FENCE
1/2" = 1'-0"

- NOTES:**
1. POST SIZE DEPENDS ON FENCE HEIGHT AND WIND LOADS. SEE AEGIS #1 TM POST SIZING CHART.
 2. ADDITIONAL HEIGHTS AVAILABLE ON REQUEST.
 3. THIRD RAIL OPTIONAL.
 4. PANELS ALSO AVAILABLE FOR 6" ON CENTER POST SPACING.






1106 WALNUT FENCING IMPROVEMENTS

CONSTRUCTION DETAILS

PROJECT TITLE: 1106 WALNUT FENCING IMPROVEMENTS
SHEET TITLE: CONSTRUCTION DETAILS
SCALE: AS NOTED
DATE: SEPTEMBER, 2024
CITY SPECIFICATION NO: 2000577-02
PLAN FILE NO / LOCATION: 2504-05-PS23
SHEET NO: LC501



DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

INTERNAL RETAINING ROD
Variable pitch connection system for ease of installation, high angle base ability and elimination of unsightly external fasteners.



1106 WALNUT FENCING IMPROVEMENTS

CONSTRUCTION DETAILS

PROJECT TITLE

SHEET TITLE

95% CONSTRUCTION DOCUMENTS



DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE: AS NOTED

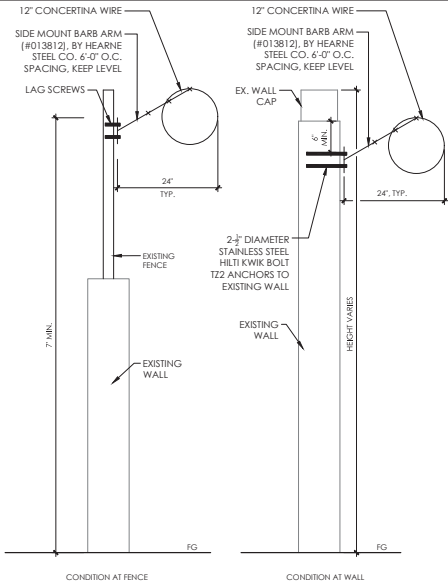
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CITY SPECIFICATION NO: 2000577-02

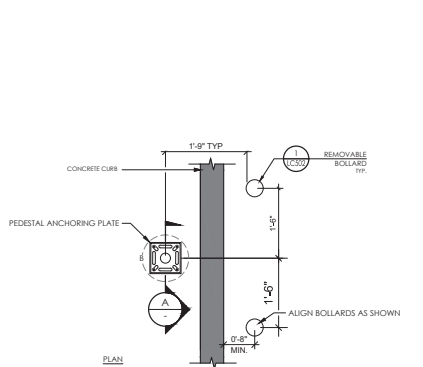
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SHEET NO:

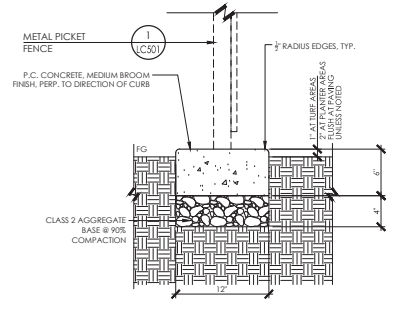
LC502



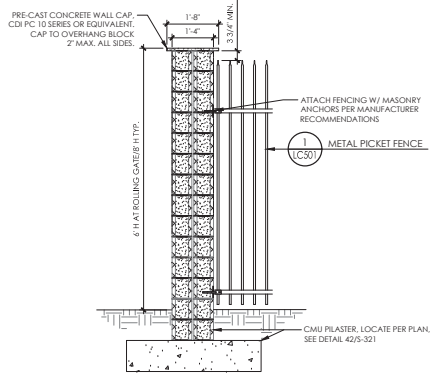
9 BARBED WIRE ON EXISTING WALL/FENCE
1" = 1'-0"
RRM-2500-2504-05-111



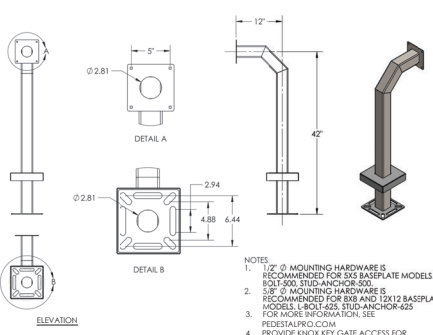
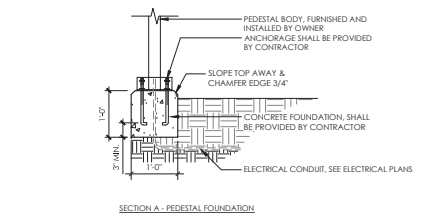
5 FIXED POST W/ GATE SENSOR
1/2" = 1'-0"
RRM-2500-2504-05-99



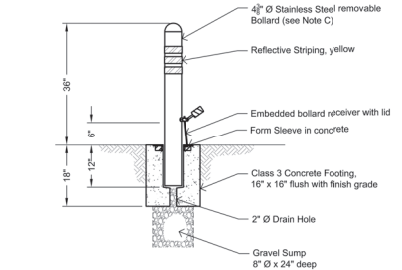
2 MOW CURB
1 1/2" = 1'-0"
RRM-2500-2504-05-09



8 CMU PILASTER
1/2" = 1'-0"
RRM-2500-2504-05-103



4 ROLLING GATE V-TRACK
1" = 1'-0"
RRM-2500-2504-05-101



1 REMOVABLE BOLLARD
3/4" = 1'-0"
RRM-2500-2504-05-97

A:\1\01\2504-05-PS23\502-PD-Main\Drawings-Architectural\Drawings-Finish\LC2504-05.rvt, LC502_Sep_12_2024_10:24am, (DW)wmschmitt

A:\1\2024\2504-05-PS2-SU-CP-M-Building-Fencing\Autochassis-Architectural\Task 2\Conduct Sheet\From LC 2504-05.rvt, LC503_Sep 12, 2024 10:25am, (DW)mcintosh



1106 WALNUT FENCING IMPROVEMENTS

CONSTRUCTION DETAILS

PROJECT TITLE

SHEET TITLE

90% CONSTRUCTION DOCUMENTS



DESIGNED BY

DRAWN BY

CHECKED BY

APPROVED BY

AS NOTED

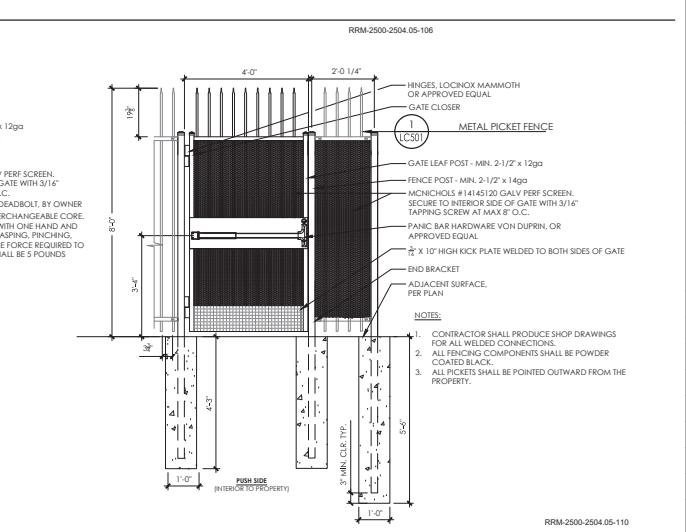
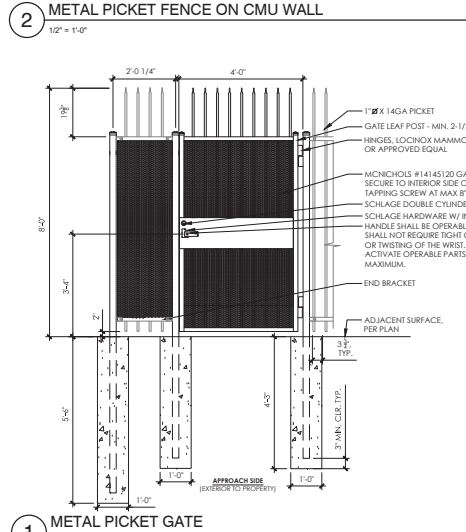
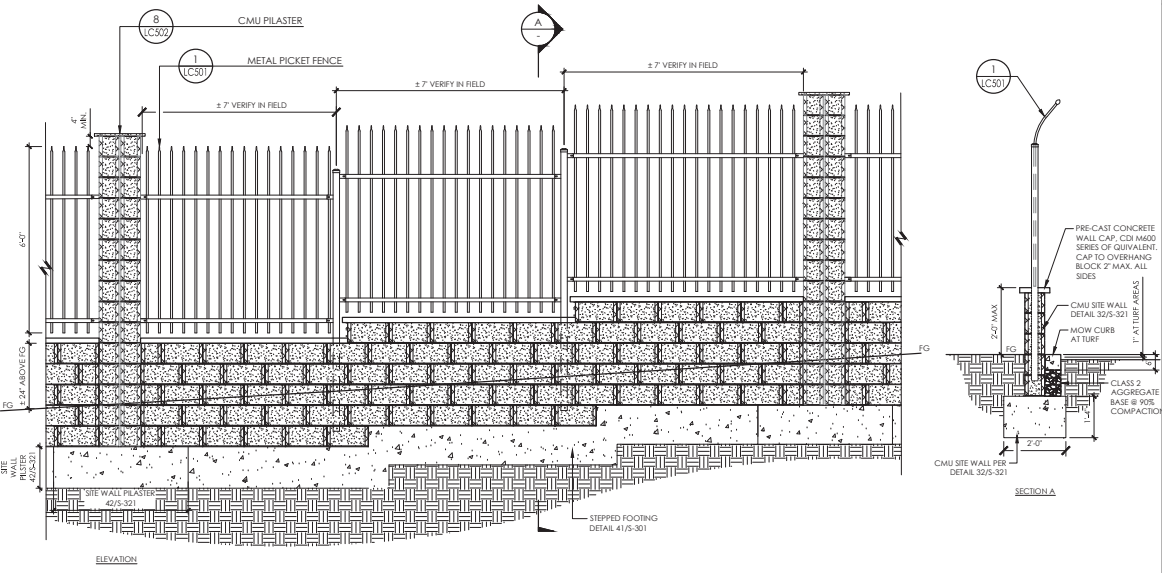
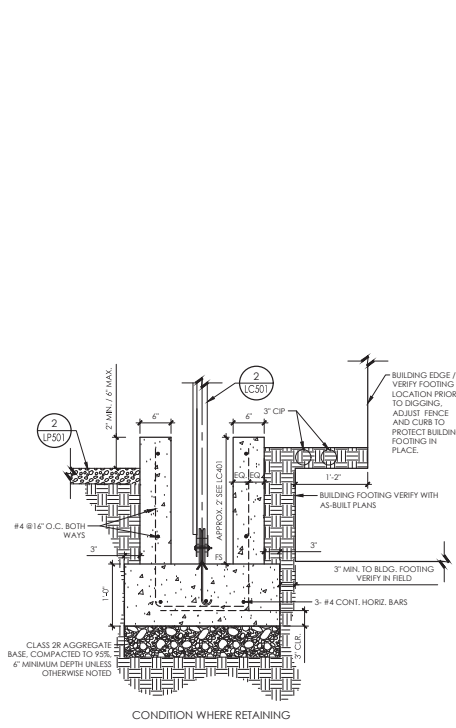
DATE: SEPTEMBER, 2024

CITY SPECIFICATION NO. 2000577-02

PLAN FILE NO. LOCATION 2504-05-PS23

SHEET NO.

LC503

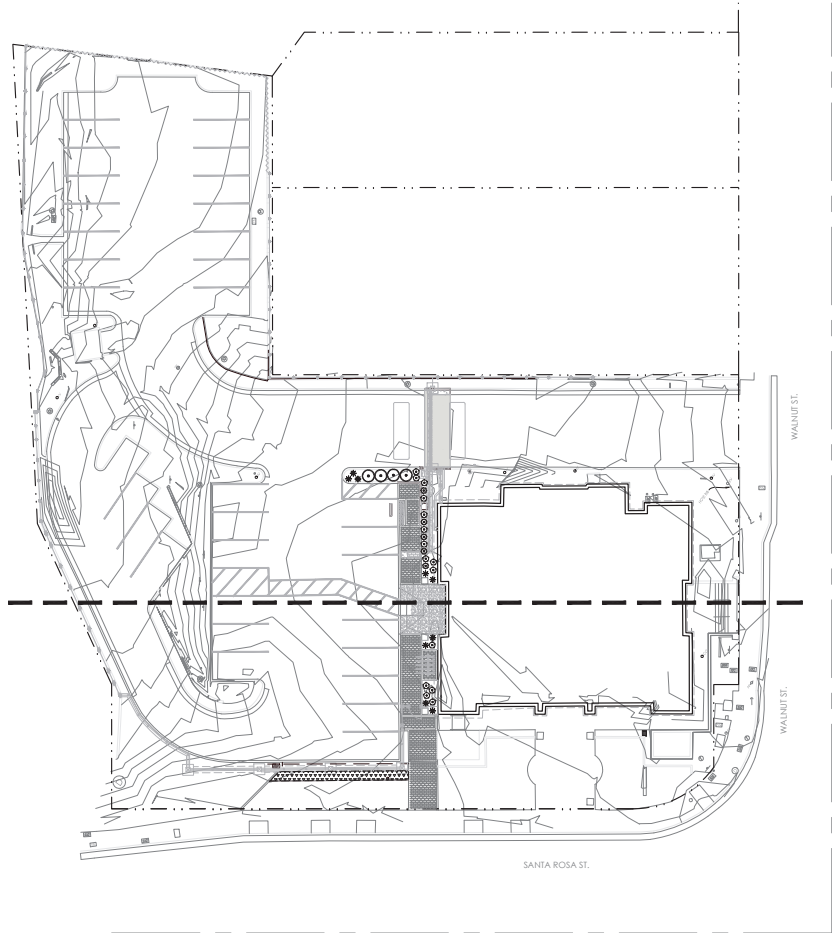


- NOTES:
- CONTRACTOR SHALL PRODUCE SHOP DRAWINGS FOR ALL WELDED CONNECTIONS.
 - ALL FENCING COMPONENTS SHALL BE POWDER COATED BLACK.
 - ALL PICKETS SHALL BE POINTED OUTWARD FROM THE PROPERTY.

PLANTING NOTES

1. CONTRACTOR SHALL SUBMIT LABELED PHOTOS OF ALL PLANT MATERIAL, TREES AND GROUNDCOVERS. PHOTOS SHALL BE OF THE SPECIFIED CONTAINER SIZE. PHOTOS SHALL BE SUBMITTED AS A COMPLETE SUBMITTAL PACKAGE FOR REVIEW AND APPROVAL. INCLUDE PHOTOS OF ANY SUBSTITUTES, CLEARLY LABELED.
2. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL PLANT MATERIAL AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
3. PLANT SCHEDULE ON THE DRAWINGS SHALL BE USED AS A GUIDE ONLY. CONTRACTOR SHALL TAKEOFF AND VERIFY SIZES AND QUANTITIES BY PLAN CHECK. NOTIFY PROJECT LANDSCAPE ARCHITECT OF ANY MAJOR DISCREPANCIES.
4. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, ALL STRUCTURAL AND HARDSCAPE IMPROVEMENTS SHALL BE CONSTRUCTED AND FINISHED AHEAD OF PLANTING.
5. ADJUST PLANT MATERIAL AS NECESSARY AROUND UTILITY LOCATIONS. NOTIFY PROJECT LANDSCAPE ARCHITECT OF ANY MAJOR CONFLICTS OR NECESSARY ADJUSTMENTS.
6. SOILS SHALL BE PREPARED AND AMENDED PER THE SPECIFICATIONS. SOIL AMENDMENTS AND PREPARATION SHALL CONFORM TO STATE AB1881 AND LOCAL WATER EFFICIENT LANDSCAPE ORDINANCES. ALL WORK ON THE IRRIGATION SYSTEM INCLUDING OPERATIONAL TESTS, AND BACKFILLING OF TRENCHES SHALL BE COMPLETED AHEAD OF PLANTING.
7. LOCATIONS OF ALL PLANT MATERIAL SHALL BE REVIEWED ON SITE BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO PLANTING. THE REPRESENTATIVE RESERVES THE RIGHT TO MAKE ANY ADJUSTMENTS, SUBSTITUTIONS, ADDITIONS, AND DELETIONS TO THE PLANT LAYOUT AS WORK PROGRESSES.
8. ALL PLANTING AREAS TO RECEIVE 3" THICK MIN. LAYER OF ROCK MULCH. SEE SPECIFICATIONS FOR MULCH TYPE. PROVIDE SAMPLE FOR APPROVAL.
9. THESE PLANS COMPLY WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND THE CRITERIA HAVE BEEN APPLIED FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

SEE SHEET - LP101
 SEE SHEET - LP102



PROJECT TITLE
1106 WALNUT FENCING IMPROVEMENTS

SHEET TITLE
SITE REFERENCE PLAN

90% CONSTRUCTION DOCUMENTS



DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE: AS NOTED

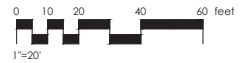
DATE: SEPTEMBER, 2024

CITY SPECIFICATION NO: 2000577-02

PLAN FILE NO./LOCATION: 2504-05-PS23

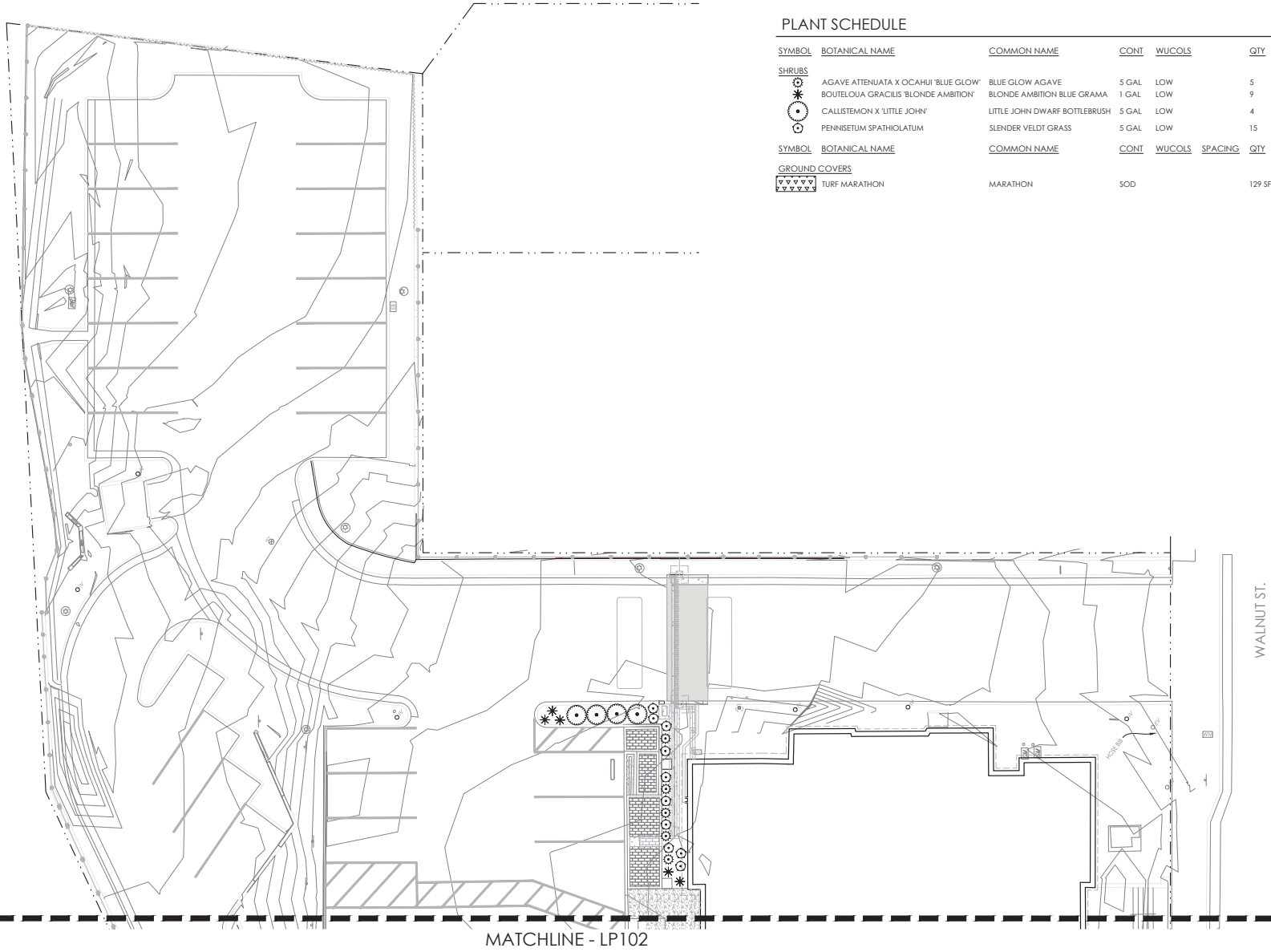
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LP001



P:\12401\2504-05-PS23-SLCP-M-Subdiv-Fencing/Landscaping/Architecture/Task/2504-05-PS23-05.dwg, LP101_Rev 04_2024_7:23pm, LD\Weschler

HWY 101



PLANT SCHEDULE

<u>SYMBOL</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>WUCOLS</u>	<u>QTY</u>
SHRUBS					
	AGAVE ATTENUATA X OCAHUI 'BLUE GLOW'	BLUE GLOW AGAVE	5 GAL	LOW	5
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL	LOW	9
	CALLISTEMON X 'LITTLE JOHN'	LITTLE JOHN DWARF BOTTLEBRUSH	5 GAL	LOW	4
	PENNISETUM SPATHOLATUM	SLENDER VELDT GRASS	5 GAL	LOW	15
GROUND COVERS					
	TURF MARATHON	MARATHON	SOD		129 SF



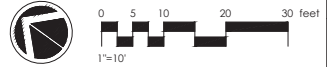
1106 WALNUT FENCING IMPROVEMENTS
PLANTING PLAN

PROJECT TITLE
 SHEET TITLE
 95% CONSTRUCTION DOCUMENTS



DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPTEMBER, 2024
 CITY SPECIFICATION NO: 2000577-02
 PLAN FILE NO./LOCATION: 2504-05-PS23
 SHEET NO.

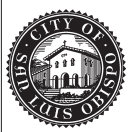
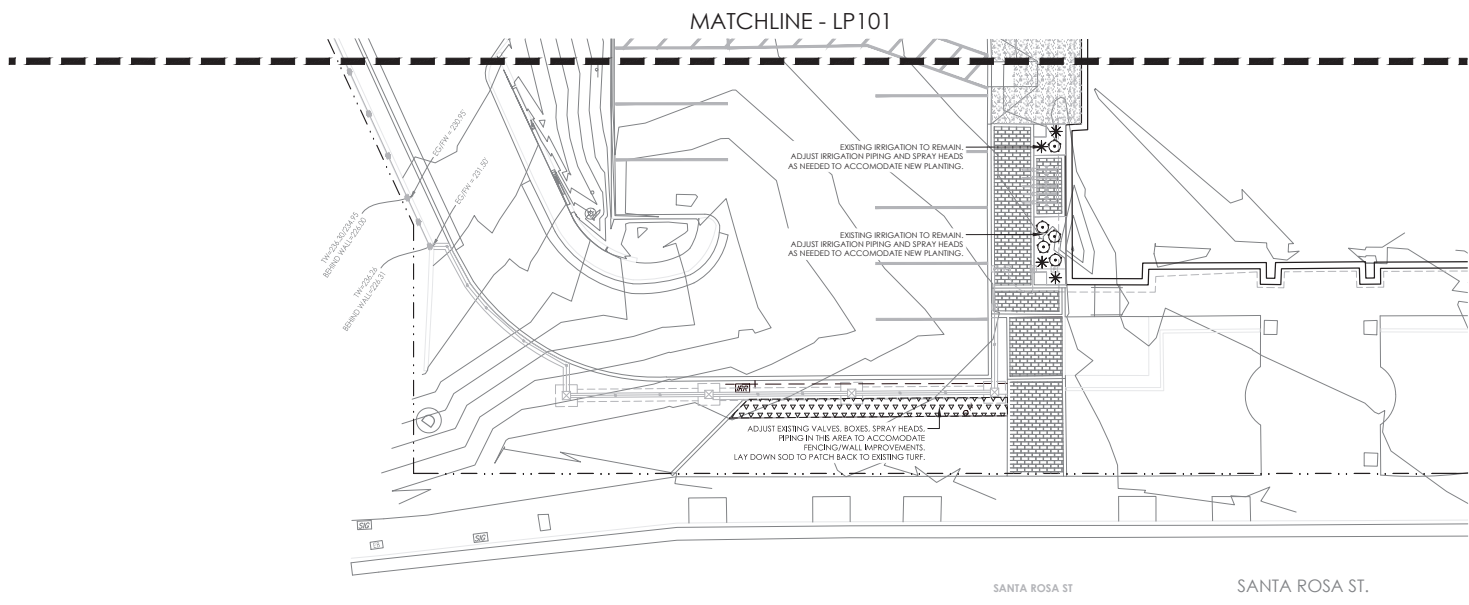
LP101



A:\1\2024\05-PS23\05-PS23-CIP-M-Planting-Fencing-Landscape-Architectural\Drawings\106-PS23-CIP-M-Planting-Fencing-Landscape-Architectural.dwg, LP102, Sep 04, 2024, 7:23pm, LDWeschirm

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	QTY	DETAIL
SHRUBS						
	AGAVE ATTENUATA X OCAHUI 'BLUE GLOW'	BLUE GLOW AGAVE	5 GAL	LOW	5	1/LP501
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL	LOW	9	1/LP501
	CALLISTEMON X 'LITTLE JOHN'	LITTLE JOHN DWARF BOTTLEBRUSH	5 GAL	LOW	4	1/LP501
	PENNISETUM SPATHOLATUM	SLENDER VELDT GRASS	5 GAL	LOW	15	1/LP501
GROUND COVERS						
	TURF MARATHON	MARATHON	SOD		129 SF	



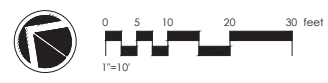
1106 WALNUT FENCING IMPROVEMENTS
PLANTING PLAN

PROJECT TITLE
SHEET TITLE
90% CONSTRUCTION DOCUMENTS



DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
SCALE: AS NOTED
DATE: SEPTEMBER, 2024
CITY SPECIFICATION NO: 2000577-02
PLAN FILE NO./LOCATION: 2504-05-PS23
SHEET NO.

LP102



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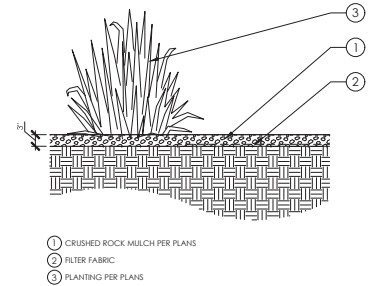


1106 WALNUT FENCING IMPROVEMENTS
PLANTING DETAILS

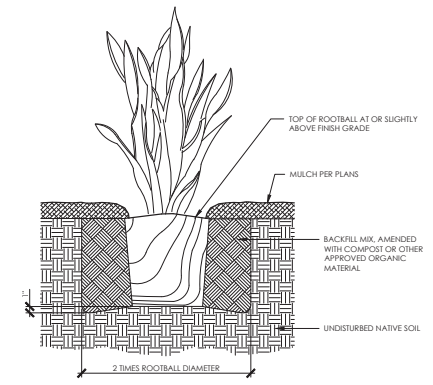
PROJECT TITLE: 1106 WALNUT FENCING IMPROVEMENTS
 SHEET TITLE: PLANTING DETAILS
 80% CONSTRUCTION DOCUMENTS



DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPTEMBER, 2024
 CITY SPECIFICATION NO. 2000577-02
 PLAN FILE NO./LOCATION: 2504-05-PS-23
 SHEET NO. LP501



2 ROCK MULCH IN PLANTING AREA
 1 1/2" = 1'-0" RRM-2500-2504.05-11



1 SHRUB PLANTING
 1 1/2" = 1'-0" RRM-2500-2504.05-70

SYMBOLS

	DETAIL REFERENCE BUBBLE WITH LEADER		INDICATES SHEAR TYPE AND LENGTH PER SHEAR WALL SCHEDULE
	DETAIL REFERENCE BUBBLE		INDICATES SPAN AND DIRECTION OF PREFABRICATED ROOF TRUSS (BY OTHERS)
	FULL HEIGHT SECTION INDICATOR		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST WITH WEB STIFFENER
	ELEVATION OF WALL OR FRAME		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST
	NORTH ARROW		INDICATES EXTENTS OF FRAMING OR OTHER STRUCTURAL ELEMENT
	TOP/BOTTOM OF ELEVATIONS		INDICATES HEADER & OPENING PER HEADER SCHEDULE
	SLOPE		EARTH LAYER
	WELDED WIRE FABRIC (WWF LAYER)		INDICATES SAND OR GROUT
	STEPPED SURFACE, FLOOR DEPRESSION		INDICATES GRAVEL
	SLOPED SURFACE		STEEL IN CROSS SECTION
	STEPPED FOOTING		INDICATES BEARING WALL
	BOTTOM STEPPED FOOTING		SHADED AREA INDICATES CALIFORNIA FRAMING
			SHADED AREA INDICATES FOOTPRINT OF FLOOR ABOVE
			STEEL HSS TUBE COLUMN
			STEEL HSS OR PIPE COLUMN
			WIDE FLANGE STEEL COLUMN
			WOOD POST

	INDICATES TOP PLATE SPLICE HAULING PER SCHEDULE
	INDICATES SHEAR WALL STRAP / HOLD/DOWN TYPE PER SCHEDULE
	INDICATES PAD FOOTING TYPE PER SCHEDULE
	INDICATES CONTINUOUS FOOTING TYPE PER SCHEDULE
	ANGLE BRACE
	DOUBLE ANGLE BRACE
	DRAG STRUT CONNECTION
	FULL HEIGHT STIFFENER CONNECTION
	MOMENT CONNECTION
	MEMBER SPLICE
	TOP OF STEEL ± ELEVATION
	NUMBER OF EVENLY SPACED SHEAR STUDS
	SPECIAL STUD SPACING SEE TYPICAL STEEL DETAILS
	BEAM CAMBER AT MID-SPAN

WALL TYPES

	INDICATES PLYWOOD SIDE FOR SHEAR WALL
	INDICATES BEARING WOOD WALL BELOW
	INDICATES BEARING WOOD WALL ABOVE
	INDICATES NON-BEARING WOOD WALL BELOW
	INDICATES NON-BEARING WOOD WALL ABOVE
	INDICATES EXISTING BEARING WOOD WALL
	INDICATES EXISTING NON-BEARING WOOD WALL
	INDICATES BEARING CMU WALL BELOW
	INDICATES BEARING CMU WALL ABOVE
	INDICATES NON-BEARING CMU WALL BELOW
	INDICATES NON-BEARING CMU WALL ABOVE
	INDICATES EXISTING BEARING CMU WALL
	INDICATES EXISTING NON-BEARING CMU WALL
	INDICATES BEARING CONCRETE WALL BELOW
	INDICATES BEARING CONCRETE WALL ABOVE
	INDICATES NON-BEARING CONCRETE WALL BELOW
	INDICATES NON-BEARING CONCRETE WALL ABOVE
	INDICATES EXISTING BEARING CONCRETE WALL
	INDICATES EXISTING NON-BEARING CONCRETE WALL

SHEET INDEX

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ABBREVIATIONS

A & B	ABOVE AND BELOW	COL	COLUMN	EXT	EXTERIOR	KL	KING POST	PL	PROPERTY LINE	STRUCT	STRUCTURAL
AB	ANCHOR BOLT	COMP	COMPRESSION	FDN	FOUNDATION	KSJ	KPS PER SQUARE INCH	PLP	POLES PER LINEAL FOOT	SW	SHEAR WALL
ABV	ABOVE	CONC	CONCRETE	FRSH	FRESH	LB(S) OR #	LOAD(S)	PLCS	PLACES	STM	STRUCTURAL
ACI	AMERICAN CONCRETE INSTITUTE	CONN	CONNECTION, CONNECT	FJ	FLOOR JOIST	LF	LINEAL FOOT	PLY	PLYWOOD	TB	TE BEAM
ADDL	ADDITIONAL	CONSTR	CONSTRUCTION	FLG	FLANGE	LN	LINEAL LINEAR	PROP	PROPERTY	T & B	TOP AND BOTTOM
ADJ	ADJACENT	CONTN	CONTINUE, CONTINUOUS	FLR	FLOOR	LH	LONG LESS HORIZONTAL	PT	PRESSURE TREATED	T & G	TONGUE & GROOVE
ASS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	CONTR	CONTRACTOR	FR	FIELD NAIL	LHV	LONG LESS VERTICAL	PW	PLATE WASHER	TO	TOP OF
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	CJP	COMPLETE JOINT PENETRATION WELD	FC	FACE OF CONCRETE	LP	LOW POINT	PJP	PARTIAL JOINT PENETRATION WELD	TOC	TOP OF CURB, TOP OF CONCRETE
AT	ALTERNATE	CTR	CENTER	FS	FACE OF STUD	LSH	LONG SLOTTED HOLES	PRETAB	PREFABRICATED	TOP	TOP OF FOOTING
ALUM	ALUMINUM	CTK	COUNTERSINK, COUNTERSUNK	FTG	FOOTING	LS	LAMINATED STRAND LUMBER	PSF	POUNDS PER SQUARE FOOT	TEMP	TEMPERATURE, TEMPORARY
ANCH	ANCHOR	CUFT	CUBIC FOOT	FRMG	FRAMING	LT WT	LIGHTWEIGHT	PSI	POUNDS PER SQUARE INCH	THRU	THROUGH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	ft	FOOT; FEET	GA	GAUGE	LVL	LEVEL OR LAMINATED VENEER LUMBER	PSL	PARALLEL STRAND LUMBER	THK	THICKNESS, THICK
APA	ENGINEERED WOOD ASSOCIATION (FORMERLY THE AMERICAN WOOD ASSOCIATION)	DBL	DOUBLE	GALV	GALVANIZED	MAS	MASONRY	PWT	PAVEMENT	TOP OF I	TOP OF
APPROX	APPROXIMATE	DEPT	DEPTH	GR	GRADE	MAL	MASONRY	#	FOUND. NUMBER	TOP	TOP
ARCH	ARCHITECTURAL ARCHITECT	DET	DETAIL	GRD	GROUND	MAX	MAXIMUM	REF	REFERENCE	TOP	TOP OF
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION	DF	DOUGLAS FIR/LARCH	H/H MORE	HIGHER	MB	MACHINE BOLT	RENF	REINFORCE REINFORCING	TOP	TOP OF
AWS	AMERICAN WELDING SOCIETY	DIA OR Ø	DIAMETER	HP	HIGH POINT	MECH	MECHANICAL	REGO	REQUIRED	TOP	TOP OF
ATC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	DWG	DRAWING	HSH	HORIZONTAL	MFR	MANUFACTURER	REQD	REQUIRED	TOP	TOP OF
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	DIA	DIAMETER	HT	HEIGHT	MN	MINIMUM, MINUTE	RR	ROOF RAFTER	TOP	TOP OF
BLDG	BUILDING	DN	DOWN	IND	INSIDE	MISC	MISCELLANEOUS	Ø	ROUND DIAMETER	TRBR	TRIMMER STUD
BLK	BLOCK	DO	DOOR	INDO	INDOOR	(N)	NEW	SCHED	SCHEDULE	ULTR	ULTRASONIC TEST
BLG	BLOCKING	DOW	DOWEL	INDO	INDOOR	(N)	NEW	SECT	SECTION	VERT	VERTICAL
BM	BEAM	DWG	DRAWING	NO OF #	NUMBER	N	NORTH	SEP	SEPARATION	VSH	VERTICAL SLOTTED HOLES
BN	BOUNDARY NAIL	DWL	DOWEL	HP	HIGH POINT	NTS	NOT TO SCALE	SEP	SEPARATION	W/O	WITHOUT
BOT OR B	BOTTOM	EA	EACH	HSH	HORIZONTAL	OC	ON CENTER	SHG	SHEATHING	W/O	WITHOUT
BRC	BRACE	EF	EACH FACE	IND	INSIDE DIAMETER	OD	OUTSIDE DIAMETER	SM	SMALL	W/O	WITHOUT
BRC	BEARING	EJ	EXPANSION JOINT	ID	INSIDE DIAMETER	OF	OUTSIDE FACE	SOG	SLAB ON GRADE	W/P	WORK POINT, WATERPROOF
BWN	BETWEEN	EL	ELEVATION	#	INSIDE FACE	OH	OPPOSITE HAND	SN	SHEAR NAIL	W/W	WELDED WIRE FABRIC
CAHT	CHAMFER	ELEC	ELECTRICAL	1 JOIST	1 JOIST	ORIG	ORIGINAL	SPC	SPACING		
CAN OR C	CAMBER	ELEV	ELEVATOR	IN	INCH	OPP	OPPOSITE	SPECS	SPECIFICATIONS		
CC	CENTER TO CENTER	EMBD	EMBEDMENT	INCL	INCLUDE	ORIG	ORIGINAL	SQ	SQUARE		
CG	CENTER OF GRAVITY	EN	EDGE NAIL	INFO	INFORMATION	O2B	ORIENTED STRAND BOARD	SS	STAINLESS STEEL	W	W SHAPE
CP	CASHPINFACE	ENGR	ENGINEER	INSPE	INSPECTION	PA	POST ABOVE	SSL	SHORT SLOTTED HOLES	W	W SHAPE
CJ	CONSTRUCTION JOINT, CONTROL JOINT	EQ	EQUAL OR EQUIVALENT	INT	INTERIOR	PABA OR //	PARALLEL	STD	STANDARD	WT, SL, MT	WIDE FLANGE
CL	CENTER LINE	EQUIP	EQUIPMENT	JST	JOIST	PC	PRECAST, PEECE	STGR	STANCHION		
CLP	CLEARANCE CLEAR	ES	EACH END	JT	JOINT	PERP	PERPENDICULAR	STBF	STIFFENERS		
CMU	CONCRETE MASONRY UNIT	EW	EACH WAY	L	LEAF	PL	PLYWOOD INDEX	STR	STRIP		
		EXIST OF (E)	EXISTING	KS	KING STUD	R OR PL	PLATE	STL	STEEL		



1106 WALNUT FENCING IMPROVEMENTS
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DESIGNED BY: J. LONG
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DATE: AUGUST 23, 2024
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PLAN FILE NO./LOCATION: 2504-05-PS23
SHEET NO: S-101

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TESTING CRITERIA FOR POST-INSTALLED ANCHORS IN CONCRETE / MASONRY

- 1. CONDUCT TESTING OF POST-INSTALLED ANCHORS PER SECTION 1901.3.4 OF THE CODE.
2. WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC-ES EVALUATION SERVICES REPORT CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH...
3. THE SPECIAL INSPECTOR SHALL BE ON THE JOB SITE DURING ANCHOR INSTALLATIONS AS REQUIRED PER CHAPTER 17 OF THE CODE...
4. TEST LOADS: REQUIRED TEST LOADS SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS:
A. TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1 1/4) TIMES THE MAXIMUM DESIGN STRENGTH PROVIDED BY THE ICC REPORT OR DETERMINED PER ACI 318...
B. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED BY THE ICC REPORT.
5. TENSION OR TORQUE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE OR AND SPOKEMOHEANT AGENCY.
6. THE SPECIAL INSPECTOR SHALL SELECT ANCHORS FOR TESTING AT RANDOM.
7. TEST FREQUENCY:
APPLICATION QUANTITY
STRUCTURAL 10% OF BOLTS
NON-STRUCTURAL (SUCH AS EQUIPMENT ANCHORAGE) 50% ALTERNATE BOLTS IN A GROUP (TEST AT LEAST HALF OF THE ANCHORS IN GROUP)
SKILL PLATE BOLTING 10% OF BOLTS
EXCEPTIONS:
A. UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET SHALL NOT REQUIRE TESTING.
B. WHERE THE FACTORED DESIGN TENSION ON ANCHORS IS LESS THAN 100 LBS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS.
C. WHERE ADHESIVE ANCHOR SYSTEMS ARE USED TO INSTALL REINFORCING DOWEL BARS IN HARDENED CONCRETE, ONLY 25 PERCENT OF THE DOWELS SHALL BE TESTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
- THE DOWELS ARE USED EXCLUSIVELY TO TRANSMIT SHEAR FORCES ACROSS JOINTS BETWEEN EXISTING AND NEW CONCRETE.
- THE NUMBER OF DOWELS IN ANY ONE MEMBER EQUALS OR EXCEEDS 12.
- THE DOWELS ARE UNIFORMLY DISTRIBUTED ACROSS SEISMIC FORCE RESISTING MEMBERS SUCH AS SHEAR WALLS, COLLECTORS, AND DAMPPANES.
D. TESTING OF SHEAR DOWELS ACROSS JOINTS IN SLAB ON GRADE, WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE RESISTING SYSTEM SHALL NOT BE REQUIRED.
E. TESTING IS NOT REQUIRED FOR POWER ACTUATED FASTENERS USED TO ATTACH TRACER OR INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY, WHERE THERE ARE AT LEAST THREE FASTENERS PER SEGMENT OF TRACER.
8. TEST METHODS: TEST LOADS MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:
A. USE OF HYDRAULIC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE.
B. USE OF CALIBRATED SPRING LOADED DEVICES, OR
C. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE CONTROLLED EXPANSION ANCHORS.
9. TEST ACCEPTANCE CRITERIA: ACCEPTANCE CRITERIA FOR POST-INSTALLED ANCHORS SHALL BE BASED ON THE ICC REPORT OR MANUFACTURER'S WRITTEN INSTRUCTION AS ACCEPTABLE TO OSPI'S FIELD TESTS THAT SATISFY THE FOLLOWING MINIMUM REQUIREMENTS:
A. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCREPANT MOVEMENT DURING THE TENSION TEST...
B. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN HALF (1/2) TURN OF THE NUT.
EXCEPTIONS:
- WEDGE OR SLEEVE TYPE: ONE-QUARTER (1/4) TURN OF THE NUT FOR A 3/8 INCH ANCHOR ONLY.
- THREADED TYPE: ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
10. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY.
11. REQUIRED TORQUE TEST LOADS SHALL BE EQUAL TO THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE PROVIDED IN THE ICC-ESR FOR THE SPECIFIC ANCHOR. TEST TORQUE VALUES ARE SUMMARIZED IN THE TABLE BELOW:

Table with columns: LOCATION IN STRUCTURE, INCHES, and REGULATION TORQUE (F158) CONCRETE SUBSTRATE. Rows show values for Simpson Strong-Tie E307 and Simpson Ten HD (ICC ESR-2713) at various depths (4, 30, 40, 60, 80, 120, 150 inches).

POST-INSTALLED ANCHORS IN CONCRETE / MASONRY

- 1. POST-INSTALLED ANCHOR CAPACITIES IN CONCRETE SHALL BE DETERMINED PER SECTION 1901.3 OF THE CODE AND ACI 318-19 CHAPTER 17 USING STRENGTH DESIGN.
2. POST-INSTALLED ANCHORS IN CONCRETE AND MASONRY SHALL BE PREQUALIFIED FOR SEISMIC APPLICATIONS IN ACCORDANCE WITH THE FOLLOWING INSTALLATION OF POST-INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE LISTED APPLICABLE ICC EVALUATION REPORT:
SUBSTRATE ANCHOR TYPE ANCHOR PRODUCT ICC EVALUATION REPORT ACCEPTANCE CRITERIA
CONCRETE EXPANSION ANCHORS SIMPSON STRONG-TIE Z ICC ESR-307 AC109
CMU EXPANSION ANCHORS SIMPSON STRONG-TIE Z IMPACT (ES 240) AC101 OR AC104
CONCRETE SCREW ANCHOR SIMPSON TEN HD ICC ESR-2713 AC193
CMU SCREW ANCHOR SIMPSON TEN HD ICC ESR-1656 AC109
CONCRETE ADHESIVE ANCHORS SIMPSON SET-3G ICC ESR-4267 AC193
CMU ADHESIVE ANCHOR SIMPSON SET-3G ICC ESR-4844 AC58
CONCRETE POWER ACTUATED FASTENER SIMPSON POPAW ICC ESR-2138 AC70
**LIMITATIONS OF USE OF POWER ACTUATED FASTENERS: PER SECTION 13.4.5 OF ASCE 7-16 POWER ACTUATED FASTENERS IN CONCRETE OR STEEL SHALL NOT BE USED FOR SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS IN SEISMIC UNLESS APPROVED FOR SEISMIC LOADING. POWER ACTUATED FASTENERS IN MASONRY SHALL NOT BE PERMITTED UNLESS APPROVED FOR SEISMIC LOADING.
EXCEPTION: POWER ACTUATED FASTENERS IN CONCRETE USED FOR SUPPORT OF ACROUSTICAL TILE OR LAY-IN PANEL SUSPENDED CEILING APPLICATIONS AND DISTRIBUTED SYSTEMS WHERE THE SERVICE LOAD ON ANY INDIVIDUAL FASTENER DOES NOT EXCEED 90 LB.
3. EXPANSION ANCHOR EMBEDMENTS IN THE DRAWINGS ARE MINIMUM "EFFECTIVE EMBEDMENT" (h_{ef}) AS SHOWN IN THE ICC REPORT CORRESPONDING TO THE ANCHOR.
4. LOCAL ALL EXISTING REINFORCEMENT BY NON-DESTRUCTIVE MEANS (BRAY, PACTHETER, OR, ETC.) PRIOR TO DRILLING OR INSTALLING POST-INSTALLED ANCHORS. COORDINATE POST-INSTALLED ANCHOR LOCATIONS WITH LOCATIONS OF EXISTING REINFORCEMENT. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.
5. ALL POST-INSTALLED ANCHORS USED IN DRY INTERIOR CONDITIONS SHALL BE CARBON STEEL, U.L.O.
6. ALL POST-INSTALLED ANCHORS USED IN EXTERIOR CONDITIONS, EXPOSED TO THE ELEMENTS, OR USED IN A DAMP ENVIRONMENT (I.E. KITCHENS) SHALL BE STAINLESS STEEL, U.L.O.
7. WHERE POST-INSTALLED MECHANICAL ANCHORS ARE USED FOR NON-BRACKET ISOLATED MECHANICAL EQUIPMENT RATED OVER 10 HP, THEY SHALL BE QUALIFIED IN ACCORDANCE WITH ACI 308.2.
8. IF THE CONCRETE CRACKS DURING THE INSTALLATION OF AN ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED. FOR ABANDONED ANCHORS AND ABANDONED ANCHOR HOLES:
A. FILL ALL EMPTY ABANDONED ANCHOR HOLES WITH A DRY-PAK MORTAR.
B. FOR ABANDONED EXPANSION ANCHORS WHICH CANNOT BE REMOVED, WITHOUT DAMAGING THE SUBSTRATE, CUT/BURN OFF THE END OF THE BOLT/FULG WITH THE FACE OF CONCRETE/MASONRY AND THEN EITHER ABANDONED ANCHOR TO BOTTOM OF HOLE, FILL REMAINDER OF HOLE WITH A DRY-PAK MORTAR.
C. FOR ABANDONED ADHESIVE OR UNDERCUT ANCHORS WHICH CANNOT BE REMOVED WITHOUT DAMAGING THE SUBSTRATE, BURN OFF THE END OF THE BOLT/TROD 1" BELOW THE SURFACE OF CONCRETE/MASONRY AND/FILL REMAINDER OF HOLE WITH A DRY-PAK MORTAR.
D. ABANDONED ANCHOR HOLES (WHETHER FILLED WITH DRY-PAK OR CONTAINING ABANDONED ANCHORS) MAY NOT BE LOCATED ANY CLOSER THAN 3x DIAMETER CENTER-TO-CENTER TO ANY ANCHOR IN SERVICE. ANCHORS NOT MEETING THE MINIMUM FACTORS MAY HAVE REDUCED CAPACITY AND SHALL BE REVISED WITH THE SDR.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE DETAIL, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH AISC 360-16 AND CHAPTER 22 OF THE CODE.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (AHS):
STRUCTURAL STEEL MATERIALS
SHAPE ASTM GRADE
W SHAPES, WT SHAPES A992
PLATES (INCLUDING BASE PLATES) A572
ANGLES, CHANNELS A36
HEX A307 GR5
HIGH STRENGTH BOLTES (AS NOTED ON DRAWINGS) A325/F1554, A490/C17220SC, A325SC/F1554SC
ANCHOR BOLTS (ASILES NOTED ON DRAWINGS) F1554 GR5
COMMON MACHINE BOLTS A307 GR A
3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR REVIEW AND APPROVAL BY THE AOR AND SEOR PRIOR TO FABRICATION.
4. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, SPRAY ON REPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED, EXCEPT AS REQUIRED FOR DESIGNATION OF PROTECTED ZONES.
6. PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE/MASONRY USING POST-INSTALLED ANCHORS, CONTRACTOR SHALL LOCATE ALL REINFORCEMENT AND CONFIRM LOCATIONS OF ANCHOR LOCATIONS, SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, CONTRACTOR SHALL COORDINATE AND SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISION STEEL FABRICATIONS TO SEOR FOR REVIEW AND APPROVAL. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.
7. REFER TO ARCHITECTURAL DRAWINGS FOR STEEL FINISH. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA FRAME AND PAINT OR BRUSH / COLD GALVANIZING. REFER TO ARCH DRAWINGS FOR STEEL FINISH.
8. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL CONFORM TO REQUIREMENTS OF AISC 353-20.
9. ALL WELDINGS IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (SUCH) ALL WELDS SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1:18) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS. ALL WELDING FOR MEMBERS OF THE LATERAL FORCE RESISTING SYSTEM SHALL PER AWS D1.8:14.
10. THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS FOR REVIEW AND APPROVAL BY SEOR. THE SUBMITTED WELDING PROCEDURES SHALL INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THIS PROJECT. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE DESCRIBED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.
11. 100 PERCENT ULTRASONIC TESTING IS REQUIRED FOR ALL COMPLETE JOINT PENETRATION GROOVE WELDS.
12. IF INTERMINGING OF WELD FILLER MATERIAL IS REQUIRED AT SPECIFIC WELDED JOINTS, AND IF ONE OF THE FILLER METALS REQUIRES SUBMIT A WELDING PROCEDURE SPECIFICATION (WPS) AND QUALIFY BY TESTING.
13. DISCONTINUITIES IN WELDS CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, BREATH-HOLE, AIR-ARC COOKING AND FLAME CUTTING SHALL BE REPAIRED AS REQUIRED BY SEOR.

1106 WALNUT FENCING IMPROVEMENTS
GENERAL NOTES
PROJECT TITLE
SHEET TITLE



DESIGNED BY:
DRAWN BY: J. LONG
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SCALE: AS NOTED
DATE: AUGUST 23, 2024
CITY SPECIFICATION NO: 2000677-02
PLAN FILE NO / LOCATION: 2504-05-PS23
SHEET NO:

S-103

100% CONSTRUCTION DOCUMENTS



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STATEMENT OF SPECIAL INSPECTIONS

- 1. THIS STATEMENT OF SPECIAL INSPECTIONS HAS BEEN PREPARED PURSUANT TO SECTION 1704.3 OF THE CODE. THE SECTION DETAIL BOLD TYPE REQUIRED SPECIAL INSPECTIONS AND TESTS INCLUDING TESTING PER SECTION 1705 OF THE CODE. THE FOLLOWING SHALL BE OBSERVED DURING THE INSPECTIONS:
A. GENERAL:
a. STRUCTURAL VERIFICATIONS, INSPECTIONS AND TESTS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE CODE AND/OR THE APPLICABLE RELEVANT STANDARD.
B. OWNER REQUIREMENTS:
d. THE OWNER OR OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN SECTION 1705 OF THE CODE AND IN THIS STATEMENT OF INSPECTIONS.
C. SPECIAL INSPECTOR QUALIFICATIONS:
a. THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. THE EXPERIENCE OR TRAINING SHALL BE CONSIDERED RELEVANT WHEN THE DOCUMENTED EXPERIENCE OR TRAINING IS RELATED IN COMPLIANCE TO THE SAME TYPE OF SPECIAL INSPECTION ACTIVITIES FOR PROJECTS OF SIMILAR COMPLEXITY AND MATERIAL QUANTITIES.
D. CONTRACTOR REQUIREMENTS:
a. SPECIAL INSPECTIONS IN ACCORDANCE WITH THE CONTRACTOR'S QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR QUALITY CONTROL INSPECTIONS AND TESTING SHALL OCCUR PRIOR TO SPECIAL INSPECTIONS AND REPORTS SHALL BE AVAILABLE TO THE SPECIAL INSPECTOR.
b. THE CONTRACTOR SHALL ENSURE THAT THE WORK FOR WHICH SPECIAL INSPECTIONS IS REQUIRED REMAINS ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTION.
c. ANY CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THIS STATEMENT OF SPECIAL INSPECTIONS.
E. SPECIAL INSPECTOR REPORT REQUIREMENTS:
a. THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS
b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
c. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS.
d. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
e. IF NOT CORRECTED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMPLETION OF THAT PHASE OF WORK.
f. A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.

SUBMITTALS

- 1. THE FOLLOWING SUBMITTALS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER:
A. REINFORCING STEEL
B. CONCRETE MIX DESIGNS FOR ALL CONCRETE STRUCTURES 3,000 PSI AND ABOVE
C. MASONRY INCLUDING BLOCKS, CEMENT AND MORTAR
2. BEFORE SUBMITTING EACH SUBMITTAL, (INCLUDES SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS), THE CONTRACTOR SHALL HAVE:
A. REVIEWED AND COORDINATED EACH SUBMITTAL WITH OTHER SUBMITTALS AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS. THIS INCLUDES THE CONTRACTOR REVIEWING AND VERIFYING THAT THE SUBMITTALS IS COORDINATED AMONG ALL CONSTRUCTION TRADES.
B. DETERMINED AND VERIFIED ALL FIELD MEASUREMENTS, QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE AND DESIGN CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS AND SIMILAR INFORMATION.
C. DETERMINED AND VERIFIED ALL INFORMATION RELATIVE TO THE CONTRACTOR'S RESPONSIBILITIES FOR MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROGRAMS.
3. EACH SUBMITTAL SHALL BEAR A STAMP OR SPECIFIC WRITTEN CERTIFICATION THAT THE CONTRACTOR HAS SATISFIED THEIR OBLIGATIONS UNDER THE CONTRACT DOCUMENTS WITH RESPECT TO THE CONTRACTORS REVIEW AND APPROVAL OF THAT SUBMITTAL.
4. THE CONTRACTOR'S OBLIGATION TO PREPARE AND COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBJECT TO:
a. REVIEW AND APPROVAL OF SHOP DRAWINGS BY THE ARCHITECT AND/OR ENGINEER DOES NOT CONSTITUTE APPROVAL OF A CHANGE REQUEST, SUBSTITUTION OR MODIFICATION TO THE CONTRACT DOCUMENTS.
b. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED OF CHANGE REQUESTS, SUBSTITUTIONS OR MODIFICATIONS TO THE CONTRACT DRAWINGS IN WRITING BEFORE AND SEPARATE FROM THE SUBMITTAL PRIOR TO SUBMISSION.
5. FABRICATION FOR ITEMS IN THESE DOCUMENTS SHALL NOT COME FROM UNITS THE SUBMITTAL HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL ALLOW SUBMITTALS FOR THE ENGINEER OF RECORD TO THOROUGHLY REVIEW SUBMITTAL PACKAGE (10 WORKING DAYS MINIMUM).

REQUIRED VERIFICATION AND INSPECTIONS

Table with columns: INSPECTION TASKS PRIOR TO WELDING (AISC 360-16 N.5.4-1), QC, QA, 2014 RISC SPEC. REFERENCE. Includes tasks like weld procedure specifications, manufacturer certifications, and various weld types and conditions.

REQUIRED VERIFICATION AND INSPECTIONS

Table with columns: SPECIAL INSPECTION OR TEST, CONFORMANCE PERIODIC, REFERENCED STANDARD, and CBC REFERENCE. Includes tasks like inspect reinforcement, reinforcing bar welding, and inspect anchors cast in concrete.

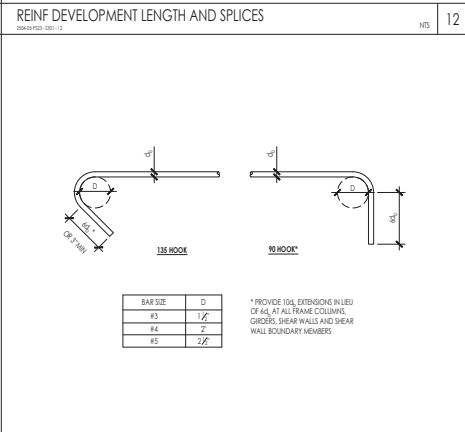
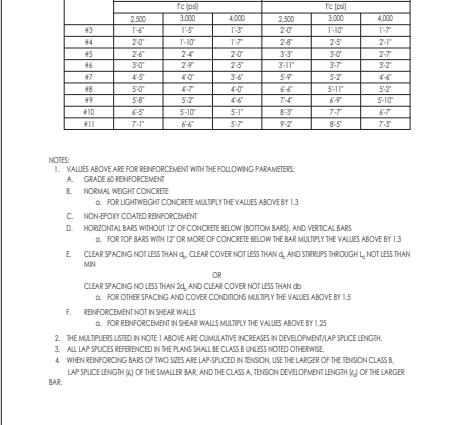
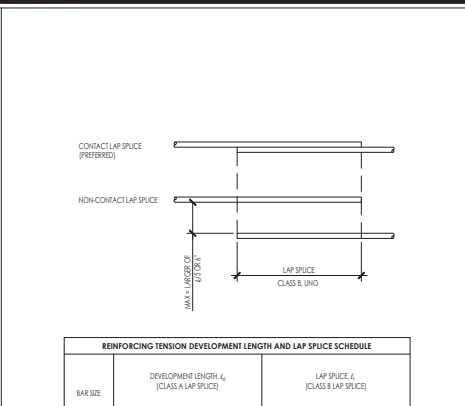
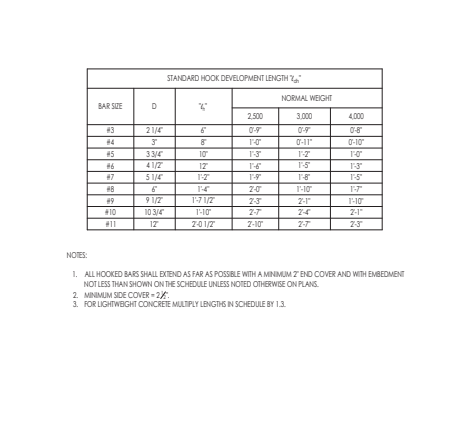
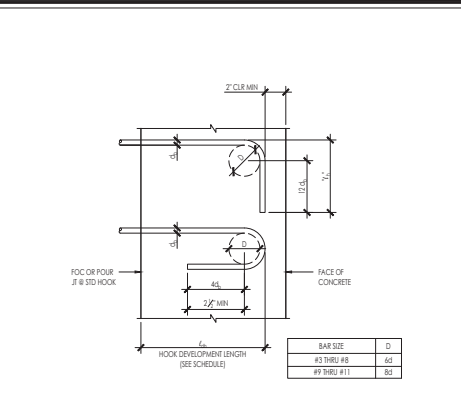
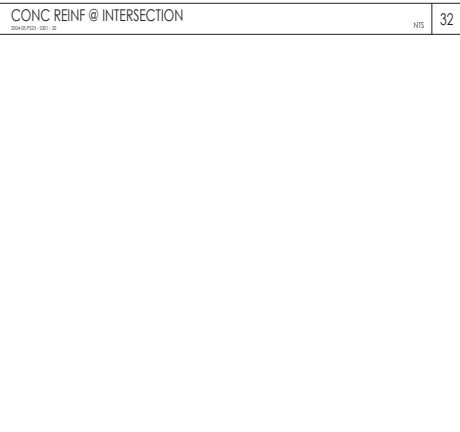
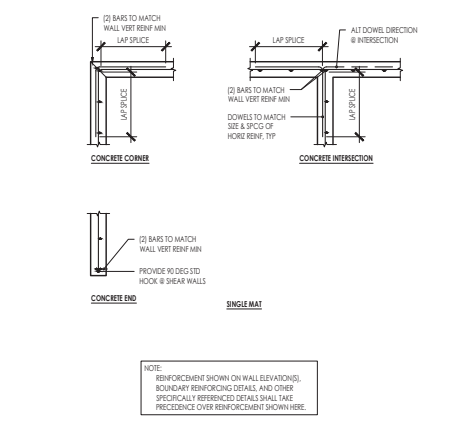
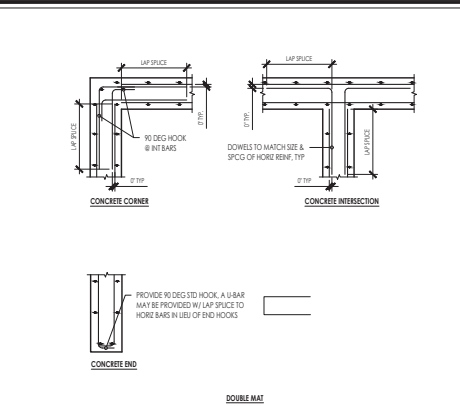
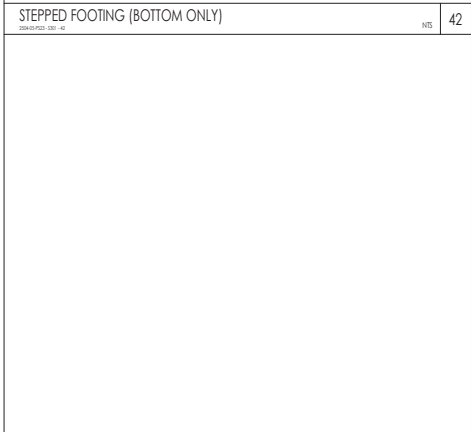
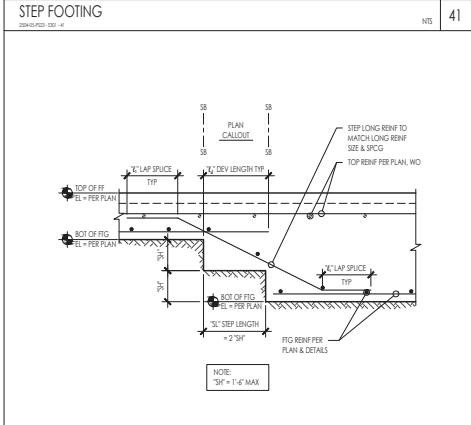
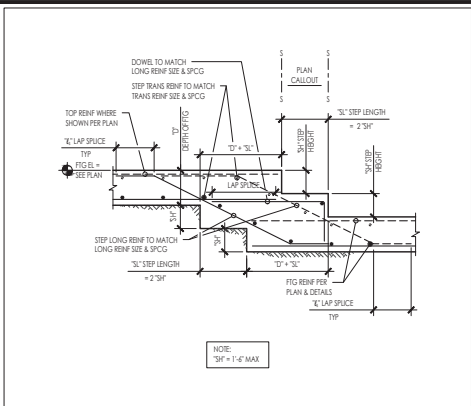
REQUIRED VERIFICATION AND INSPECTIONS

Table for MASONRY Level 3 Quality Assurance Minimum Tests. Columns include Inspection Task, Frequency, and Reference for Criteria. Tasks range from verifying compliance to observing preparation of grout specimens.

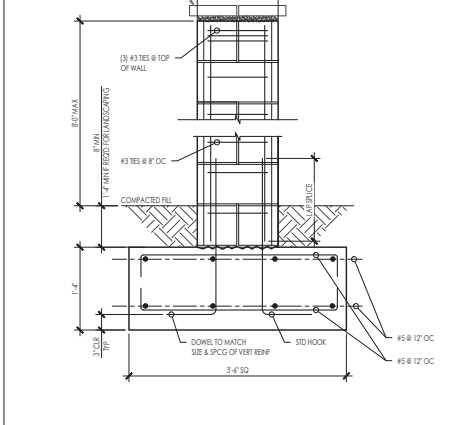
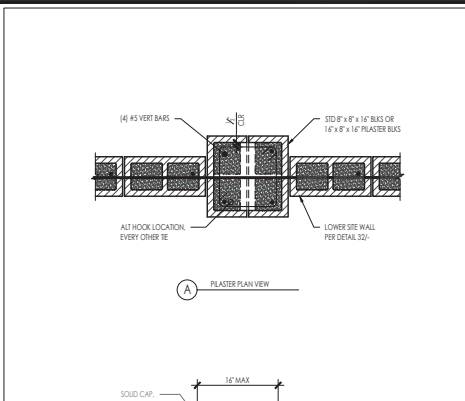
(a) REFERENCE TO THE FREQUENCY OF SPECIAL INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODIC DURING THE TASK LISTED, AS DEFINED IN THE TABLE.
(b) REQUIRED FOR THE FIRST 5000 SQ.FT OF AAC MASONRY.
(c) REQUIRED AFTER THE FIRST 3000 SQ.FT OF AAC MASONRY.



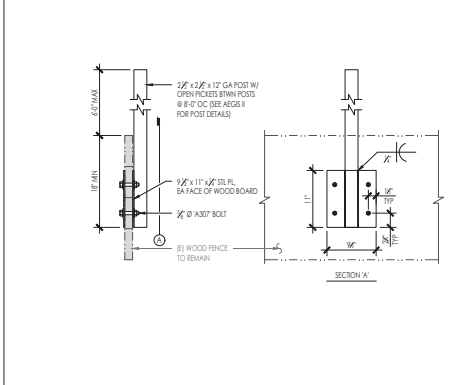
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DRAWN BY:	J. LONG
CHECKED BY:	J. MEADOWS
APPROVED BY:	
SCALE:	AS NOTED
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SHEET NO.:	S-301



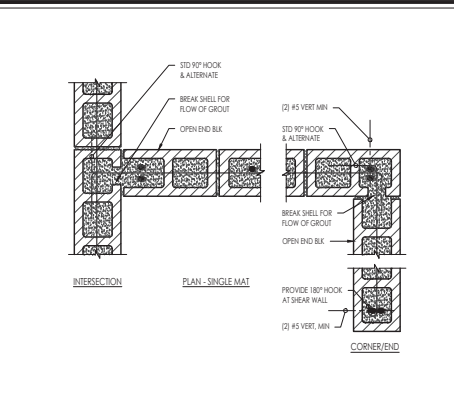
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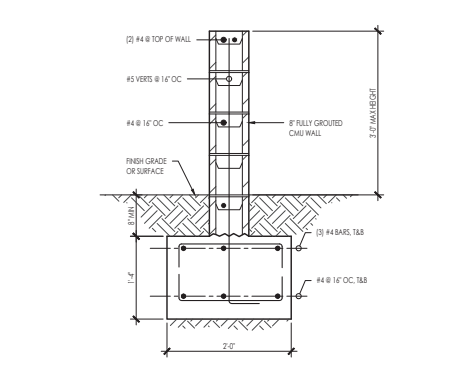
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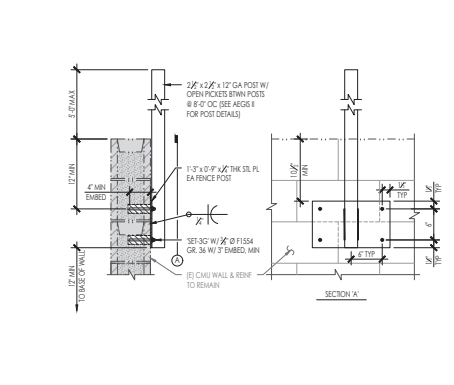
FENCE ATTACHMENT TO (E) WOOD WALL 1\"/>



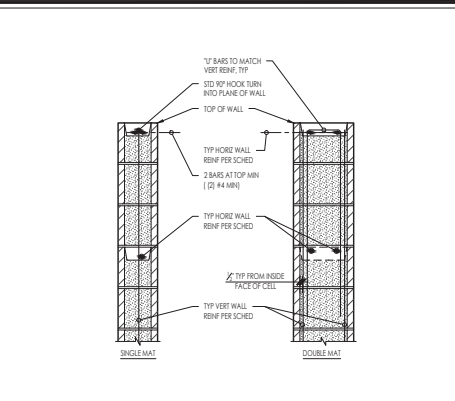
MASONRY WALL CORNER DETAIL NTS 31



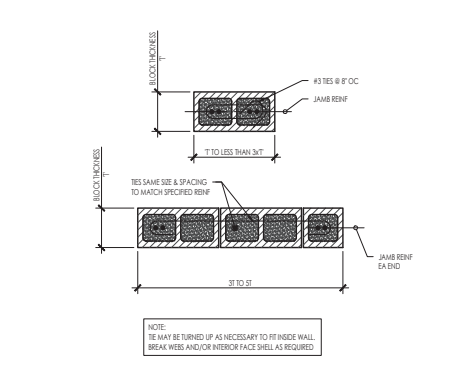
CMU SITE WALL 1\"/>



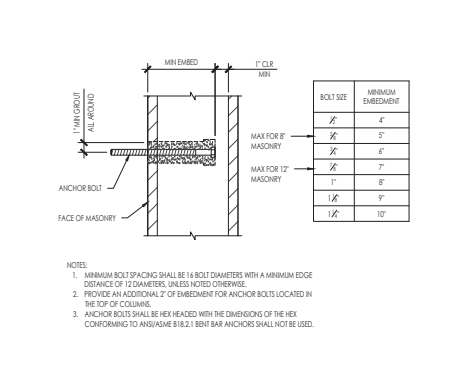
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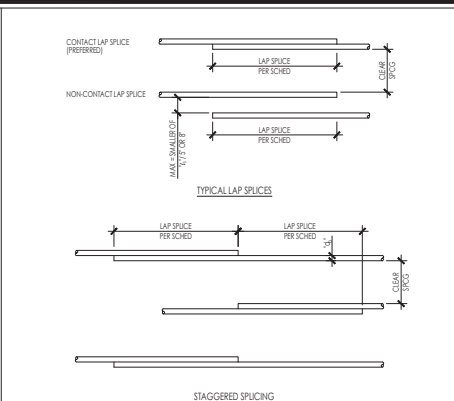
TYP REIN AT TOP OF WALL NTS 21



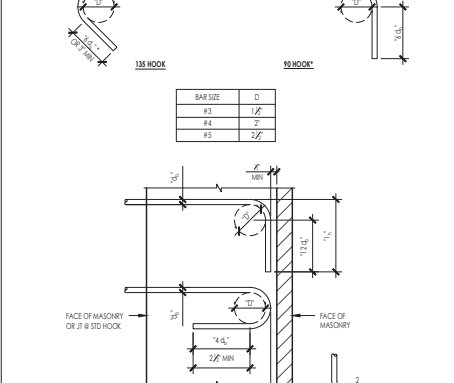
CONCRETE MASONRY WALL PIERS NTS 22



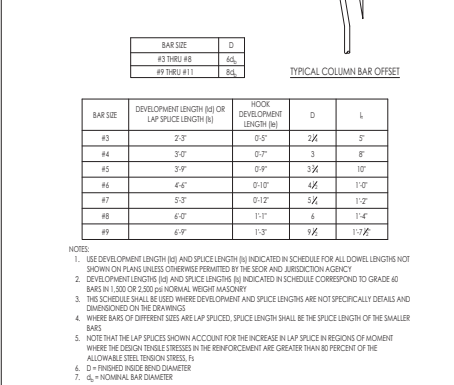
MASONRY ANCHOR BOLT SCHEDULE NTS 23



TYPICAL LAP SPICES



STAGGERED SPICING



MASONRY-LAP SPICE / DEVELOPMENT LENGTH SCHED NTS 13

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GENERAL NOTES

- CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:
 - A. ALL WORK SHALL COMPLY WITH 2020 NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA ENERGY CODE (CEC-0), CALIFORNIA FIRE CODE (FC), 2022 CALIFORNIA MECHANICAL CODE (CMC), 2022 CALIFORNIA GREEN BUILDING STANDARDS (CGS), AND ADOPTED ORDINANCES.
 - B. AMERICANS WITH DISABILITIES ACT (ADA).
- SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD EQUIPMENT IN PLACE WHEN EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKERS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENCE SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.
- FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.
- LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT. LABELS SHALL BE PLACED AS NEAR AS POSSIBLE TO THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICER FROM REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND/OR REGULATIONS.

POWER NOTES

- FUSING: ALL FURIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL ELEMENT TIME DELAY TYPE FUSES SIZE AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- INSTALL SEPARATE NEUTRALS FOR EACH 120V BRANCH CIRCUIT.
- MOTOR OVERLOAD PROTECTION WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH IN WITH ARCHITECTURAL ELEVATIONS, CASHEW SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ALL NEW OUTLETS MUST BE TAMPER PROOF.
- ALL 15 AND 20 AMPERE RECEPTACLES FOR BOTH DAMP AND WET LOCATIONS REQUIRED TO BE LISTED WEATHER-RESISTANT (WR) TYPE PER CEC 408(A) AND (B).
- CEC 408(A) RECEPTACLES IN DAMP LOCATIONS. RECEPTACLES INSTALLED OUTDOORS IN A LOCATION PROTECTED FROM THE WEATHER OR IN OTHER DAMP LOCATIONS SHALL BE AN ENCLOSURE FOR THE RECEPTACLE THAT IS WEATHERPROOF WHEN THE RECEPTACLE IS COVERED (ATTACHMENT PLUG CAP NOT INSERTED AND RECEPTACLE COVERS GLOSE).
- CEC 408(B) RECEPTACLES OF 15 AND 20AMP, 125 AND 250 VOLTS INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. AN OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS EXTRA-DUTY OTHER LISTED PRODUCTS, ENCLOSURES, OR ASSEMBLIES PROVIDING WEATHERPROOF PROTECTION THAT DO NOT UTILIZE AN OUTLET BOX HOOD NEED TO BE MARKED "EXTRA DUTY"

EXCEPTION: 15 AND 20AMP, 125 THROUGH 250 VOLT RECEPTACLES INSTALLED IN A WET LOCATION AND SUBJECT TO THE HIGH PRESSURE SPRAY WASHING SHALL BE PERMITTED TO HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHEN THE ATTACHMENT PLUG IS REMOVED.

CONDUIT SYSTEMS NOTES

CONDUIT SYSTEMS USED ON THIS PROJECT SHALL BE AS FOLLOWS

- PVC SCHEDULE 40 - underground/below slab with GRS elbows and risers (tape wrapped).
- ELECTRICAL METALLIC CONDUIT (EMT) - above grade/in building construction and where exposed above 8'-0" aff.
- GALVANIZED RIGID STEEL (GRS) - where exposed below 8'-0" aff. and/or where subject to physical damage.
- FLEXIBLE STEEL CONDUIT - above ceilings and/or concealed in building construction (seal tight flex required in exterior locations).
- MC CABLE ALLOWED WITHIN WALLS AND ABOVE T-BEAR CEILING.

REFER TO SECTION 290533 & 290550 OF SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONDUITS SHALL BE SIZED FOR MAXIMUM 40% FILL PER CEC 310-6.

ADDITIONAL CONDUIT REQUIREMENTS:

- ROUTE CONDUITS (S) BELOW GRADE OR ABOVE CEILING SO THAT WALL OUTLETS, DEVICES, AND CONDUITS IN ALL LOCATIONS BRINE WALL LOCATIONS SHALL BE RECESSED MOUNTED IN BRICK OR CONCRETE DEVICES AT CELL WITH RECESSED CENTER AT BRICK AND/OR ONE CELL OVER AWAY FROM JAMB. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR CMU WALL LOCATIONS, STRUCTURES, AND DETAILS.
- REFER TO ELECTRICAL DETAILS FOR METAL PIPE PENETRATION THRU FIRE RATED WALL PENETRATION OF FIRE RESISTIVE WALLS AND FLOOR CEILING SHALL BE PROTECTED AS REQUIRED IN CBC SECTION 714.
- REFER TO ELECTRICAL DETAIL. FOR DEVICE INSTALLATION FOR FIRE RATED WALLS.
- NO CONDUITS OR PIPING IN ANY SPACE SHALL BE EXPOSED AT THE CEILING AND WALL (COORDINATE WITH ALL DISCIPLINES PRIOR TO CONSTRUCTION). LOCATE ALL CONDUIT WITHIN WALLS.

RATED WALLS/ASSEMBLIES NOTES

- IN FIRE RESISTANCE RATED WALLS, DETAIL THROUGH PENETRATIONS AND MEMBRANE PENETRATION PER CBC 714.4 AS NOTED BELOW:
 - STEEL, FERROUS OR COPPER PIPES MAY PENETRATE FIRE-RESISTANCE RATED WALLS, PROVIDED THE OPENING IS PROTECTED AS FOLLOWS: (CBC 714.4.1)
 - ITEM PENETRATING CONCRETE OR MASONRY WALLS IS A MAXIMUM 8 INCHES NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144 SQUARE INCHES. CONCRETE, GROUT OR MORTAR IS PERMITTED WHERE IT IS INSTALLED. THE WALL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE F - FIRE-RESISTANCE RATING; OR
 - WHEN THE ANNULAR SPACE IS PROTECTED WITH MATERIAL THAT MEETS ASTM E 119 OR UL 263.
 - PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1478, AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED. (CBC 714.4.1.2)
 - MEMBRANE PENETRATIONS OF MAXIMUM 2 HOUR FIRE-RESISTANCE RATED WALLS BY STEEL ELECTRICAL BOXES ARE PERMITTED, PROVIDED THAT EACH DOES NOT EXCEED 18 SQUARE INCHES IN AREA AND THE TOTAL AREA OF SUCH DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/2 INCH. ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES. (CBC 714.4.2 EXCEPTION 1)
 - MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL ARE PERMITTED, PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE RATED ASSEMBLIES, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8 INCH UNLESS LISTED OTHERWISE. ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES. (CBC 714.4.2 EXCEPTION 2)
 - A FIRE SPRINKLER SHALL BE PERMITTED TO BE UNPROTECTED PROVIDED SUCH SPACE IS COVERED BY A METAL ESCUTCHEON PLATE. (CBC 714.4.2 EXCEPTION 3)
 - WHERE WALLS ARE PENETRATED BY OTHER MATERIALS OR OPENINGS LARGER THAN THOSE MENTIONED ABOVE, THEY MUST BE QUALIFIED BY TEST IN ACCORDANCE WITH CBC 714.4.2 EXCEPTION 2.
- IN FIRE-RESISTANCE HORIZONTAL ASSEMBLIES, DETAIL THROUGH PENETRATIONS AND MEMBRANE PENETRATION PER CBC 714.4.5 AS NOTED BELOW:
 - STEEL, FERROUS OR COPPER CONDUITS MAY PENETRATE FIRE-RESISTANCE RATED FLOOR PENETRATING ITEMS, AS NOTED ABOVE, WITH A MAXIMUM 8 INCHES NOMINAL DIAMETER SHALL NOT BE LIMITED TO THE PENETRATION OF A SINGLE FIRE-RESISTANCE RATED FLOOR ASSEMBLY, PROVIDED THAT THE AREA OF THE OPENING DOES NOT EXCEED 144 SQUARE INCHES IN ANY 100 SQUARE FEET OF FLOOR AREA. (CBC 714.4.1.1 EXCEPTION 1)
 - PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1478. THE SYSTEM SHALL HAVE AN F RATING AND T RATING OF NOT LESS THAN 1 HOUR BUT NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE FLOOR PENETRATED (CBC 714.5.1)
 - MEMBRANE PENETRATIONS BY LISTED ELECTRICAL OUTLET BOXES ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE RATED ASSEMBLIES, AND THE SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX DOES NOT EXCEED 1/8 INCH UNLESS LISTED OTHERWISE. (CBC 714.5.2 EXCEPTION 4)
 - A FIRE SPRINKLER SHALL BE PERMITTED TO BE UNPROTECTED PROVIDED SUCH SPACE IS COVERED BY A METAL ESCUTCHEON PLATE. (CBC 714.5.2 EXCEPTION 5)
- JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE RATED WALL, FLOOR OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED AN APPROVED FIRE-RESISTANT JOINT SYSTEM WITH A FIRE-RESISTANCE RATING NOT LESS THAN THAT OF THE ASSEMBLY IN WHICH IT IS INSTALLED. PROVIDE DETAILS (CBC 714.5)
- FIRE DOORS AND FIRE-PROTECTION RATED GLAZING SHALL BEAR LABELS AS REQUIRED BY CBC 716.2.9 AND 716.3.5.
 - FIRE DAMPERS SHALL BE THE MINIMUM FIRE PROTECTION RATING SPECIFIED IN CBC TABLE 717.3.2.1 FOR THE TYPE OF PENETRATION (CBC 717.3.2.1)
- PROVIDE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND CEILING RADIATION DAMPERS SHALL BE PROVIDED AS PRESCRIBED IN CBC 717.

DEMOLITION NOTES

- REFER TO LANDSCAPE DEMOLITION SHEETS FOR ADDITIONAL INFORMATION.
- EQUIPMENT SHOWN TO BE REMOVED IS SHOWN FOR REFERENCE ONLY. INFORMATION WAS OBTAINED FROM ORIGINAL BUILDING DRAWINGS AND LIMITED FIELD INVESTIGATION AND MAY NOT REPRESENT ALL ELECTRICAL DEMOLITION. FIELD VERIFY CONDITIONS AND DISCONNECT/REMOVE ALL EQUIPMENT AS REQUIRED TO MEET THE INTENT OF THAT SHOWN ON THE ORIGINAL POWERPLANS DRAWINGS.
- ALL ELECTRICAL EQUIPMENT SHOWN ON DRAWING (OR REQUIRED) TO BE DEMOLISHED SHALL BE DISCONNECTED, REMOVED AND DISPOSED OF BY ELECTRIC CONTRACTOR. NO EQUIPMENT (RACEWAYS, BOXES, CABLEING, ETC.) SHALL BE ABANDONED IN PLACE AND COVERED BY NEW CONSTRUCTION.
- SCHEDULE ANY OUTAGES WITH OWNER PRIOR TO DE-ENERGIZATION OF ANY BRANCH CIRCUITS OR FEEDERS.

CONDUCTORS AND CABLES

REFER TO SPECIFICATIONS 28 0619 FOR ADDITIONAL INFORMATION.

- WIRE CONNECTORS SHALL BE MINIMUM 75 DEGREE CENTIGRADE RATED AND PROPERLY SIZED FOR THE NUMBER OF CONDUCTORS BEING CONNECTED. TERMINATED, SPLICED, ETC. ALL ABOVE GRADE CONNECTORS SHALL BE SOLDERLESS FUS OR PLASTIC WIRE NUT TYPE. SCREW ON PRESSURE CABLE TYPE (WIRE UT OR SPRING NUT TYPE) (600 VOLT, 105 DEGREE C) WITH SKIRT TO COVER ALL PORTIONS OF STRIPPED WIRES. CONNECTOR SHALL BE UL RATED FOR NUMBER AND SIZE OF CONDUCTORS BEING JOINED TOGETHER AS SPLICED.
- WIRES AND CABLES FOR LINE VOLTAGE SYSTEM AND CONTROLS, WIRE AND CABLE SHALL BE COPPER, 600 VOLT RATED THROUGH OUT. CONDUCTORS 14AWG DT 10AWG, SOLID OR STRANDED. CONDUCTORS 8 AWG AND LARGER, STRANDED.
- ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR INDIVIDUAL CONDUCTORS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON PANEL, SCHEDULE OR PLANS. SIZE #8 AWG AND LARGER SHALL BE STRANDED CONDUCTOR. INDIVIDUAL CONDUCTORS SHALL BE INSULATED WITH TYPE, XHHW, THW, THHN/THWN 600 VOLT INSULATION UNLESS OTHERWISE NOTED.
- PROPER INSULATION TYPE SHALL BE USED FOR THE PROPER ENVIRONMENTAL APPLICATION (I.E. WATERPROOF, WET LOCATION, PLENUM TEMPERATURE RATED). ALL CONDUCTORS, WIRING CABLE WHERE INSTALLED BELOW FLOOR, SLAB OR UNDERGROUND SHALL BE CONSIDERED WET LOCATIONS, AND SHALL BE RATED ACCORDINGLY. NON WATERPROOF CABLEING IS NOT ALLOWED IN ANY BELOW GRADE OR WET APPLICATION.
- GROUP THE COMMON NEUTRAL CONDUCTOR FOR MULTIPLE CIRCUITS WITH ITS ASSOCIATED UNGROUNDED CONDUCTORS WHEN CONTAINED IN THE SAME ENCLOSURE. CEC 200.4(B)
- THE BRANCH CIRCUIT SERVING EMERGENCY LIGHTING AND POWER CIRCUITS SHALL NOT BE PART OF A MULTIWIRE BRANCH CIRCUIT. CEC 700.19.

SITE PLAN NOTES

- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300-6. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY UTILITY COMPANY AND /OR THIS SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.
- LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA) WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO LOCATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRICAL LINES OR EQUIPMENT.
- MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.

LEGEND NOTE: INTERPRET IN CONTEXT

CONDUIT/WIRE

- NEW
- UNDERGROUND
- NEW POWER HOMERUN (3 NOTES & NOT SHOWN)
- ISOLATED GROUND
- EXISTING TO REMAIN
- (E) POWER HOMERUN
- CONDUIT STRIP (HOMERUN)
- VERTICAL CONDUIT RUN
- CONDUIT SEAL
- FLEXIBLE CONNECTION
- CONDUIT ONLY
- SURFACE MOUNT RACEWAY

SWITCHES

- SPST
- DPST
- 3-WAY
- 4-WAY
- DIMMER
- TRIP SWITCH
- W/ THERMAL OVERLOAD
- W/ FLOT LIGHT
- KEY OPERATED
- DUAL LEVEL SWITCHING
- SWITCH/LOSE DESIGNATION
- OCCUPANCY SENSOR

POWER/COMM.

- SINGLE RECEPT.
- DUPLEX RECEPT.
- GROUND FAULT CIRCUIT INTERRUPT
- MOUNTED ABOVE COUNTER
- DUPLEX - HALF SWITCHED
- DOUBLE DUPLEX
- SPECIAL CONFIGURATION
- DUPLEX - FLOOR OUTLET
- JUNCTION BOX
- TELEPHONE OUTLET
- DATA OUTLET
- PHONE/DATA COMBO OUTLET
- MOUNTED ABOVE COUNTER
- SAFETY DISCONNECT
- TELEVISION OUTLET
- INTERMEDIATE DISTRIBUTION FRAME
- MAIN DISTRIBUTION FRAME
- ACCESS POINT

MISCELLANEOUS

- MOTOR
- THERMOSTAT
- CIRCUIT BREAKER
- FUSIBLE SWITCH
- TRIP
- GROUND

ABBREVIATIONS

- A AMPERE
- AF AMP FUSE RATING
- AFB ABOVE FINISH FLOOR
- AFB ABOVE FINISH GRADE
- AIC AMPERES INTERRUPT CAPACITY
- AS AMP SWITCH RATING
- BFG BELOW FINISH GRADE
- CB CIRCUIT BREAKER
- CEC CAL ELECTRICAL CODE
- CKT CIRCUIT
- C CONDUIT
- C.O CONDUIT ONLY
- (E) EXISTING
- EC ELECTRICAL CONTRACTOR
- EF EXHAUST FAN
- (EM) (E) IN (N) LOCATION
- (EX) (E) TO (BE) (R)
- (F) FUTURE
- FA FIRE ALARM
- FACR FIRE ALARM CONTROL PANEL
- G GROUNDING CONDUCTOR
- OC GENERAL CONTRACTOR
- GF1 GROUND FAULT C/T INTERRUPT
- GND GROUND
- GRS GALVANIZED RIGID STEEL
- DWS GANDED WITH SWITCH
- (I) ISOLATED GROUND
- LTG LIGHTING
- MC MECHANICAL CONTRACTOR
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- MBS MAIN SWITCHBOARD
- MTR MAIN TELEPHONE TERMINAL BOARD
- (N) NEW
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- P POLE
- PV PHOTOVOLTAIC
- (R) RELOCATED
- (TR) TO BE REMOVED
- TYP TYPICAL
- UC UNDERCABINET
- UG UNDERGROUND
- UNJ UNLESS OTHERWISE NOTED
- VOLT
- VA VOLT AMPERES
- W WAIT, WIRE
- WP WEATHERPROOF (NEMA 3R)

FIRE ALARM

- FIRE ALARM CONTROL PANEL
- REMOTE POWER SUPPLY
- HORN- AUDIBLE DEVICE
- VISUAL- VISUAL DEVICE
- AUDIBLE/VISUAL
- SPEAKERS/VISUAL
- FLOW SWITCH
- TAMPER SWITCH
- MANUAL PULL STATION
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- HEAT DETECTOR
- BELL
- END OF LINE RESISTOR

CONVENTIONS

- NUMBERED SHEET NOTES: REFERS TO NOTES ON SAME SHEET AS REFERENCE
- FEEDER SCHEDULE DESIGNATION (EXAMPLE: 3103 & 310 AMPERE, 600V, 3 CURRENT CARRYING CONDUCTORS. PREFIX: 'M' INDICATES MEDIUM VOLTAGE, '004' INDICATES CONDUIT ONLY, QUANTITY (1) AND SIZE (#1))
- DETAIL REFERENCE
- Z - DETAIL DESIGNATION
- X - SHEET NUMBER REFERENCE
- MECHANICAL SYSTEMS TAG (REFER TO MECHANICAL SHEETS)
- Y - UNIT TYPE
- X - UNIT NUMBER

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
E001	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
E002	ELECTRICAL DETAILS
E003	LEVEL 2 EXISTING CHASER SPECIFICATIONS
E004	ELECTRICAL SPECIFICATIONS
E101	ELECTRICAL SITE PLAN



1106 WALNUT FENCING IMPROVEMENTS

GENERAL ELECTRICAL NOTES, LEGEND, AND ABBREVIATIONS

PROJECT TITLE

SHEET TITLE



EXPIRES: 09/30/26
THOMAS #23-5146

DESIGNED BY: CHRIS JOSE

DRAWN BY: TR

CHECKED BY: CJUT

APPROVED BY:

SCALE: AS NOTED

DATE: SEPT 11, 2024

CITY SPECIFICATION NO: 2000577-02

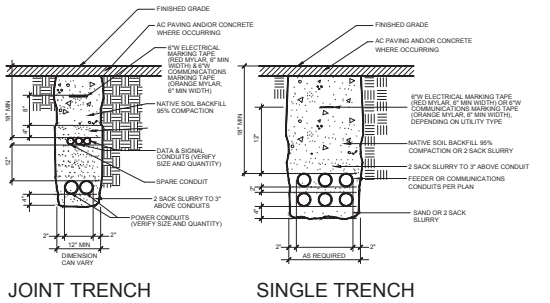
PLAN FILE NO./LOCATION: 2504-05-PS23

SHEET NO: E001

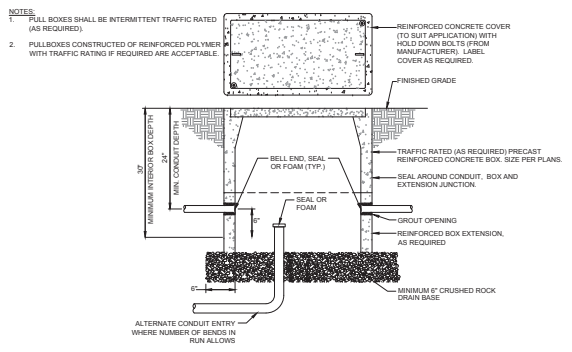


THOMA'S ELECTRICAL, INC.

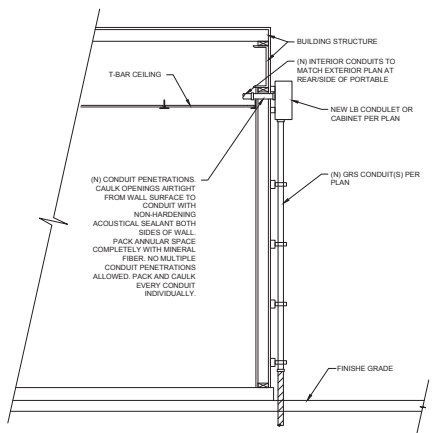
P.O. Box 1187 - 3652 Empire St.
San Luis Obispo, CA 93406
Phone: (805) 543-3880
Fax: (805) 543-3828
ced@thomaelec.com



JOINT TRENCH **SINGLE TRENCH**

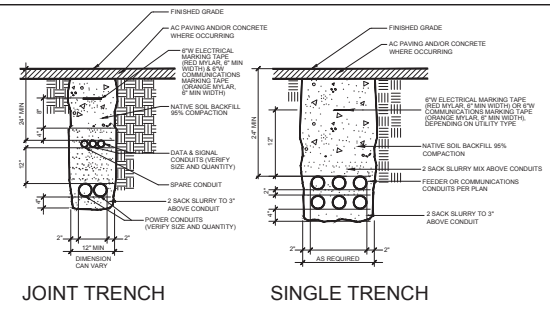


3 TYPICAL PULL BOX, 24"X36" AND SMALLER



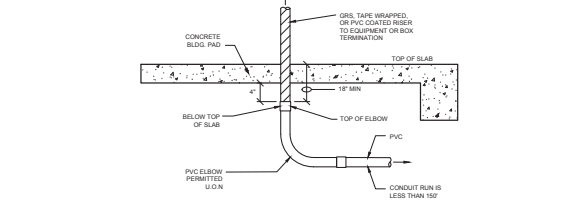
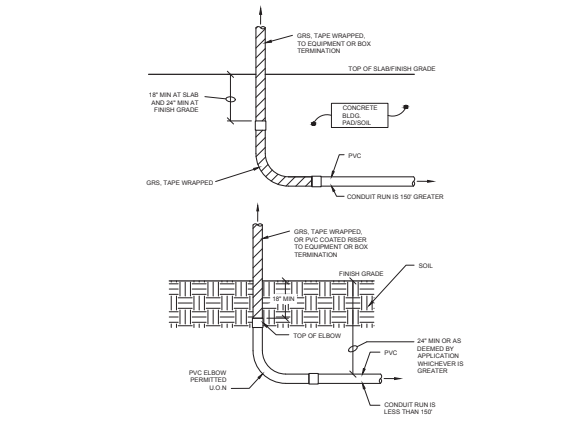
1 SURFACE CONDUIT AT EXISTING BUILDING

5 TYPICAL CONDUIT IN TRENCH, NON-TRAFFIC AREAS



JOINT TRENCH **SINGLE TRENCH**

3 TYPICAL PULL BOX, 24"X36" AND SMALLER



NOTES:
 UNDERGROUND CONDUITS AND TRANSITION TO ABOVE GRADE/SLAB SHALL BE AS FOLLOWS:
 1. PVC ELBOWS ALLOWED IF TOP OF ELBOW IS MINIMUM 18" BFG OR BELOW TOP OF SLAB, OTHERWISE GRS TAPE WRAPPED, ELBOWS ARE REQUIRED.
 2. GRS ELBOWS ARE REQUIRED IF CONDUIT RUN IS 150' GREATER.
 3. GRS RISERS ARE REQUIRED FROM ELBOW BELOW GRADE TO EQUIPMENT (DEVICE, OUTLET, PANEL, CABINET, ETC.) ABOVE GRADE.
 4. GRS ELBOWS/RISERS TO BE TAPED WRAPPED (1/2" LAPPED) TO 3" ABOVE FINISH GRADE OR TOP OF SLAB.

4 TYP. UNDERGROUND CONDUITS AND TRANSITION ABOVE GRADE

(E) "MSB" Load Calculations

	Load	Units
(E) Mechanical Unit AC-1 <i>(125% for largest load)</i>	127.4	kVA
(E) Mechanical Unit AC-2	10.9	kVA
(E) Elevator	88.6	kVA
(E) Loads at Panels @ 100%	13.34	kVA
(E) Panel "A"	4,000	VA
(E) Panel "B"	600	VA
(E) Panel "C"	7,940	VA
(E) Panel "D"	800	VA
(N) MOTORIZED GATE	1,500	kVA
(N) Level 2 EV Charger	8,320	kVA
General Lights / Plugs	32,766	kVA
	10,922	SF
	3	W/SF
Total Load	282,801	kVA
	785	A
(E) "MSB" Service: 800A, 120/208V, 3Ø, 4W		

2 (E)"MSB" LOAD CALCULATIONS



1106 WALNUT FENCING IMPROVEMENTS
ELECTRICAL DETAILS
 PROJECT TITLE
 SHEET TITLE
 95% CONSTRUCTION DOCUMENTS



DESIGNED BY: CHRIS JOSE
 DRAWN BY: TR
 CHECKED BY: CJJT
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPT 11, 2024
 CITY SPECIFICATION NO: 2000577-02
 PLAN FILE NO./LOCATION: 2504-05-PS23
 SHEET NO:



E002

CP6000 AC Commercial Station Specifications

Mounting and Functional Interfaces

Connector Type	SAE J1772™
Number of Poles	Single Phase
Mounting	Post-Mount, wall
Cable Length	18 (5.5 ft.) 23 (7.0 ft.)
Cable Management	Yes
IP Rating	IP50 (ISO 14644, ISO 14644, NEMA IBSX 1-2-3/15 (50°))
Authentication and Payment	NFC, Tap to Charge, Reader module and vehicle ID supported by vehicle. Customized credit card EMV chip credit card (by -CHP models only).
Locking Hardware	Yes
ISO 15118 Protocol	Supported by hardware
Display	Full color touch interactive display with full motion video, UV protection, gesture touch controls, and multi-language support

Safety and Connectivity Features

Ground Fault Detection	30 mA GFD with auto retry
Open Safety Circuit	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Master controller SAE J1772™ specifications
Energy Measurement	Accuracy class 1
Power Reporting	Accuracy Maximum 1.0%
Smart	WiFi, ZigBee
Local Area Network	IEEE 802.3 (Cat 5e and 6) and IEEE 802.11 (n)
Wide Area Network	LTE Category 4
Network Communication Protocol	OCPP 2.0.1
Ethernet connection	Capable with accessory

Safety and Operational Ratings

Station Enclosure Rating	Type 3R per UL 516
Safety and Compliance	UL 516, UL 514, NEMA IBSX, UL 2594, UL 2231-1, UL 2231-2, Energy Star (Dual Port Only), CTEP

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CP6000 AC Commercial Station Specifications

Maximum SDA (Standard)	80A	One 70A branch circuit	70A dual pole branch circuit	50A, 2	Two independent 70A branch circuits	70A dual pole branch circuit
Maximum SDA (Power Share)	N/A	N/A	N/A	50A, 2	One 70A branch circuit	70A dual pole branch circuit
Power Select 15A (15A Power Share)	15A	One branch circuit 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A)	15A, 1	Two independent branch circuits 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A)
Power Select 15A (15A Power Share)	N/A	N/A	N/A	15A, 1	One branch circuit 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A)

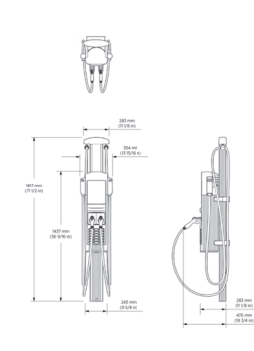
Electrical Output for 80A Station

Electrical Output	Single Port (AC Voltage 208 / 240V AC)	Dual Port (AC Voltage 208 / 240V AC)
Maximum SDA (Standard)	19.2 kW (24V AC @ 80A)	19.2 kW (24V AC @ 80A)
Maximum SDA (Power Share)	N/A	19.2 kW (24V AC @ 80A) + 1.1 kW
Power Select 15A-72A (Standard)	3.8 kW - 17.3 kW (24V AC @ 15A - 72A)	3.8 kW - 17.3 kW (24V AC @ 15A - 72A) + 2.2 kW

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CP6000 AC Commercial Station Specifications

Wall Mount



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CP6000 AC Commercial Station Specifications

Software and Services

80A Dual port, pedestal mount, 23 ft cable, EMV	CP6018-80A-L2-CHP
80A Dual port, pedestal mount, 23 ft cable, EMV	CP6018-80A-L2-CHP
80A Dual port, pedestal mount, 23 ft cable, EMV	CP6018-80A-L2-CHP
80A Single port, pedestal mount, 23 ft cable	CP6018-80A-L7
80A Dual port, pedestal mount, 23 ft cable, EMV	CP6018-80A-L2-CHP
80A Single port, pedestal mount, 18 ft cable, EMV	CP6018-80A-L7-CHP
80A Dual port, wall mount, 23 ft cable	CP6028-80A-L7
80A Dual port, wall mount, 23 ft cable, EMV	CP6028-80A-L7-CHP
80A Single port, wall mount, 23 ft cable, EMV	CP6028-80A-L7-CHP
80A Dual port, wall mount, 23 ft cable, EMV	CP6028-80A-L2-CHP
80A Single port, wall mount, 23 ft cable, EMV	CP6028-80A-L7-CHP
80A Dual port, wall mount, 23 ft cable, EMV	CP6028-80A-L2-CHP
80A Single port, wall mount, 23 ft cable, EMV	CP6028-80A-L7-CHP

ChargePoint Enterprise Plan	Order Code: CP600-ENTERPRISE-01
ChargePoint Connect	Order Code: CP600-CONNECT-01
Station Activation and Configuration	Order Code: CP600-SETUP-01
ChargePoint Installation and Validation	Order Code: CP600-INSTALL-01

Note: All CP6000 stations require a network service per port. *Available in the above part numbers, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

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ChargePoint® AC Commercial Station

Specifications and Ordering Information



Dual port, pedestal mount, 18 ft cable

CP6000 AC Commercial Station Specifications

Station Surge Protection	6 kV @ 1000A, 10 surge energy, surge protection at the service panel is recommended.
EMC Compliance	FC Part 15 Class B
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Non-Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Relative Humidity	10% to 95% (24/7)
Operating Humidity	Up to 85% @ 50°C (122°F) non-condensing
Non-Operating Humidity	Up to 95% @ 50°C (122°F) non-condensing

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CP6000 AC Commercial Station Specifications

Power Select 15A-72A (Power Share)	N/A	3.8 kW - 17.3 kW (24V AC @ 15A - 72A) + 1.1 kW
Power Select 15A-72A (Power Share)	N/A	3.8 kW - 17.3 kW (24V AC @ 15A - 72A) + 1.1 kW

Electrical Output for 80A Station

Electrical Output	Single Port (AC Voltage 208 / 240V AC)	Dual Port (AC Voltage 208 / 240V AC)
Maximum SDA (Standard)	12.0 kW (24V AC @ 80A)	12.0 kW (24V AC @ 80A)
Maximum SDA (Power Share)	N/A	12.0 kW (24V AC @ 80A) + 1.1 kW
Power Select 15A-72A (Standard)	3.8 kW - 11.5 kW (24V AC @ 15A - 72A)	3.8 kW - 11.5 kW (24V AC @ 15A - 72A) + 2.2 kW
Power Select 15A-72A (Power Share)	N/A	3.8 kW - 11.5 kW (24V AC @ 15A - 72A) + 2.2 kW

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CP6000 AC Commercial Station Specifications

General Specifications

The CP6000 AC Commercial Station supports flexible electrical input/output settings up to 80A to fit your feeding needs, whether for a workplace, multi-family dwelling, or other application.

Power Select allows stations to be installed and configured for current lower than the maximum SDA. Power Select current options include 15A, 24A, 32A, 40A, 48A, 56A, 64A, 72A, and 80A.

Power Share allows a dual-port station to share power from a single circuit across two ports, adjusting power depending on whether one or both are charging. Standard wiring uses an independent circuit for each port. Power Share can be used in combination with Power Select.

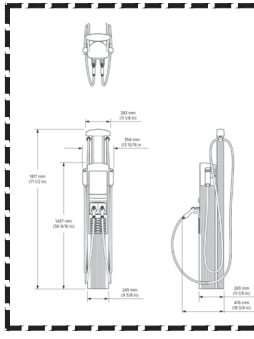
Station	Electric at Input	Single Port (AC Voltage 208 / 240V AC)			Dual Port (AC Voltage 208 / 240V AC)		
		Input Current	Required Service Panel Breaker	Required Service Panel Breaker	Input Current	Required Service Panel Breaker	Required Service Panel Breaker
Maximum SDA (Standard)	80A	One 100A branch circuit	100A dual pole branch circuit (GFCI)	80A + 1	Two independent 100A branch circuits	100A dual pole branch circuit (GFCI) + 100A dual pole branch circuit (GFCI)	
Maximum SDA (Power Share)	N/A	N/A	N/A	80A	One 100A branch circuit	100A dual pole branch circuit (GFCI)	
Power Select 15A-72A (Standard)	15A-72A	One branch circuit 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A)	15A-72A + 1	Two independent branch circuits 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A) + 100A dual pole branch circuit (GFCI)	
Power Select 15A-72A (Power Share)	N/A	N/A	N/A	15A-72A	One branch circuit 100% of input current (DCA - 80A)	Dual pole branch circuit 100% of input current (DCA - 80A)	

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CP6000 AC Commercial Station Specifications

Architectural Drawings and Dimensions

Post-Mount



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CP6000 AC Commercial Station Specifications

Ordering Information

The order code lists required specific product configurations. Please contact ChargePoint Sales for additional information. Specify model number followed by the applicable code(s).

Notes: Code not available in United States. Software, Services and Other are ordered as separate line items.

- Level 2 (240V) stations without EMV chip readers. Installed/revised on July 1, 2023.
- Dual Circuit Fast Charge (DCFC) station without EMV chip readers. Installed/revised on January 1, 2022.

(Reference: 19 CGA 20822, Payment Method Requirements for Electric Vehicle Supply Equipment)

Description	Order Code
80A Dual port, pedestal mount, 18 ft cable	CP6018-80A-L5
80A Single port, pedestal mount, 18 ft cable	CP6018-80A-L5
80A Dual port, pedestal mount, 18 ft cable, EMV	CP6028-80A-L5-CHP
80A Single port, pedestal mount, 18 ft cable, EMV	CP6018-80A-L5-CHP
80A Dual port, pedestal mount, 18 ft cable, EMV	CP6028-80A-L5-CHP
80A Single port, wall mount, 18 ft cable	CP6018-80A-L5
80A Dual port, wall mount, 18 ft cable	CP6028-80A-L5
80A Single port, wall mount, 18 ft cable, EMV	CP6018-80A-L5-CHP
80A Dual port, wall mount, 18 ft cable, EMV	CP6028-80A-L5-CHP
80A Single port, wall mount, 18 ft cable, EMV	CP6018-80A-L5-CHP
80A Dual port, wall mount, 18 ft cable, EMV	CP6028-80A-L5-CHP
80A Single port, pedestal mount, 23 ft cable	CP6018-80A-L7

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FURNISHED AND INSTALL NEW LEVEL 2 FROM CHARGE POINT PER CITY OF SLO REQUIREMENTS. 50AMP DUAL PORT, POST-MOUNT, LEFT CABLE WITH EMV CHIP READER AND POWER MANAGEMENT KIT FOR LOAD SHARING. BOLLARD CONCRETE MOUNTING KIT, CHARGEPOINT ASSEMBLY AND STATION ACTIVATION AND CONFIGURATION SOFTWARE AND SERVICE



PROJECT TITLE: 1106 WALNUT FENCING IMPROVEMENTS
SHEET TITLE: LEVEL 2 CAR EV CHARGER SPECIFICATIONS
95% CONSTRUCTION DOCUMENTS

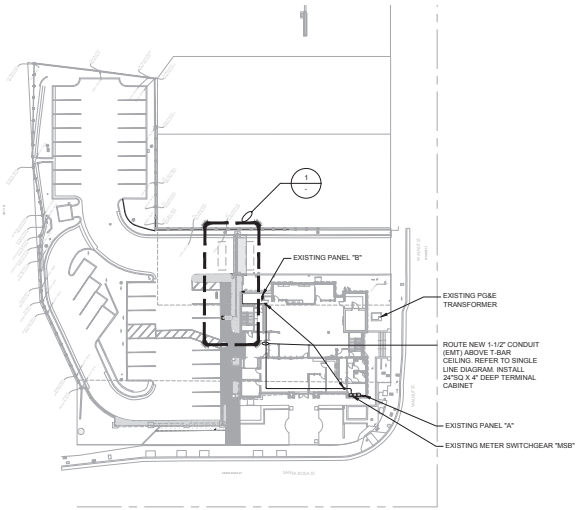


DESIGNED BY: CHRIS JOSE
DRAWN BY: TR
CHECKED BY: CJJT
APPROVED BY:
SCALE: AS NOTED
DATE: SEPT 11, 2024
CITY SPECIFICATION NO: 2000577-02
PLAN FILE NO./LOCATION: 2504-05-PS23
SHEET NO:



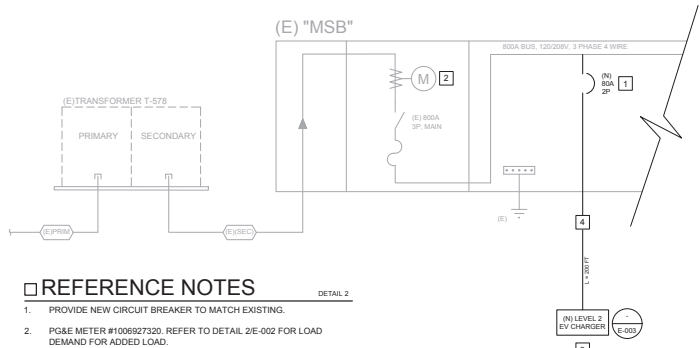
P.O. Box 1167 - 3652 Empire St.
San Luis Obispo, CA 93406
Phone: (805) 543-3880
Fax: (805) 543-3829
ced@thomaelectric.com

E003



OVERALL ELECTRICAL SITE PLAN

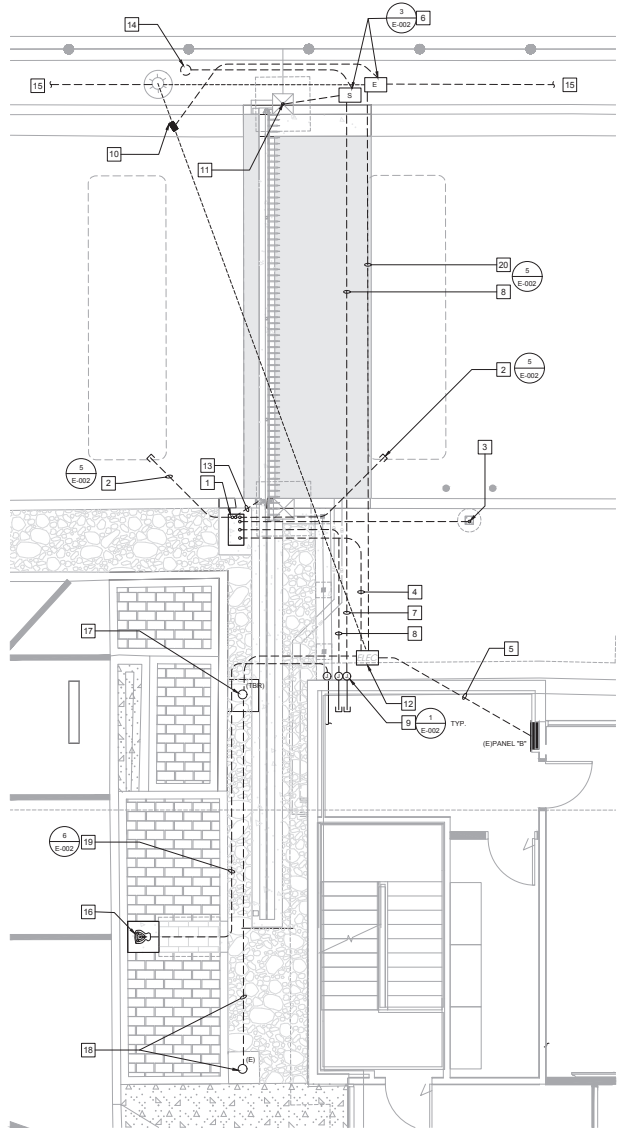
SCALE: 1" = 40'-0"
NORTH



REFERENCE NOTES

- 1. PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING.
- 2. PG&E METER #1009927320. REFER TO DETAIL 2/E-002 FOR LOAD DEMAND FOR ADDED LOAD.
- 3. PROVIDE AND INSTALL NEW LEVEL 2 EV CHARGER. SEE SITE PLAN NOTE 16 ON THIS SHEET FOR LOCATION. INSTALL PER MANUFACTURER REQUIREMENTS AND PROVIDE ALL ACCESSORIES AND CONCRETE BASE FOR A FULLY WORKING SYSTEM. REFER TO SHEET E003 FOR SPECIFICATION. PROVIDE WITH POWER MANAGEMENT KIT FOR POWER SHARING. PROGRAM OUTPUT TO 40AMP (8.32kW) SO LOAD DOES NOT INCREASE THE 300A SERVICE. OUTPUT CAN BE MODIFIED TO MAX LOAD AFTER A 30DAY RECORDING HAS BEEN ESTABLISHED TO VERIFY THE EXISTING DEMAND LOAD AT THE BUILDING.
- 4. 1-1/2" C WITH (2) #4 THWN & (1) #6 CU ROUND

(E) "MSB" SINGLE LINE DIAGRAM



ENLARGE PLAN AT ROLLING GATE

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

REFERENCE NOTES

DETAIL 1

- 1. PROVIDE CONNECTION TO MOTORIZED GATE PER MANUFACTURER INSTALLATION INSTRUCTIONS. VERIFY REQUIREMENTS WITH GATE SUPPLIER.
- 2. NEW 3/4" C (PVC40) STUB(S) FOR LOOP DETECTORS. COORDINATE WITH GATE CONTRACTOR.
- 3. STANCHION MOUNT KEYPAD. PROVIDE 3/4" C BETWEEN MOTORIZED GATE AND KEYPAD VIA PULL BOX. WIRES BY GATE CONTRACTOR.
- 4. NEW 3/4" C (PVC 40) W/ (2) #12 THWN AND (1) #12 COPPER GROUND (120V BRANCH CIRCUIT) TO PANEL "B". PROVIDE NEW 20A/1P BREAKER TO MATCH EXISTING AND UPDATE PANEL SCHEDULE.
- 5. REMOVE EXISTING BRANCH CIRCUIT BETWEEN PULL BOX AND PANELBOARD. THEN RE-PULL EXISTING AND NEW TO CONDUCTORS AND RE-TERMINATE TO BREAKERS. HOMERUN TO EXISTING PANEL "B"
- 6. PROVIDE TWO 11"X17" PULLBOXES FLUSH IN GRADE. LABEL ONE "SIGNAL" AND ONE "ELECTRICAL"
- 7. NEW 2" (PVC40) FOR ACCESS CONTROLLER AT KEYPAD LOW VOLTAGE WIRING BY OWNERS VENDOR.
- 8. NEW 2" (PVC40) FOR SECURITY CAMERA WIRING BY OWNERS VENDOR.
- 9. WALL MOUNT LB PER DETAIL AND STUB COMMUNICATION CONDUITS TO ACCESSIBLE SPACE ABOVE 1ST FLOOR AND EXTEND FEEDER CONDUIT TO "MSB".
- 10. POTHOLE TO EXPOSE EXISTING BRANCH CIRCUIT BETWEEN PULL BOX AND EXISTING POLE LIGHT. PRIOR TO DEMONDING THE ROAD FOR THE ROLLING GATE. INTERCEPT EXISTING CONDUIT AND EXTEND NEW BRANCH CIRCUIT CONDUIT TO NEW PULL BOX. EXTEND EXISTING BRANCH CIRCUIT TO MATCH EXISTING.
- 11. NEW 1" C (PVC40) BETWEEN PULLBOX AND PILASTER. PLUMB CONDUIT TO PILASTER FOR FUTURE SECURITY CAMERA WIRING. COORDINATE WITH LANDSCAPE ARCHITECT.
- 12. EXISTING ELECTRICAL PULL BOX FOR SITE LIGHTING. CONDUITS RUN TO PANEL "B".
- 13. NEW 2" C FOR SENSOR WIRING. REFER TO SHOP DRAWING FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- 14. STUB 2" C (PVC 40) TO 6" ROUND PULL BOX FOR FUTURE SECURITY CAMERA.
- 15. EXISTING BRANCH CIRCUIT TO EXISTING POLE LIGHT TO BE PROTECTED.
- 16. CONNECT TO PEDESTAL MOUNT CHARGING STATION. PROVIDE 6" DEEP X 24" SQUARE CONCRETE BASE. COORDINATE WITH MANUFACTURER INSTALLATION FOR ANCHOR BOLT REQUIREMENTS PRIOR TO ROUGH-IN. ENSURE THE CONDUITS ARE PLUMB.
- 17. EXISTING LIGHT TO BE REMOVED. INTERCEPT EXISTING BRANCH CIRCUIT CONDUIT AND PROVIDE NEW 6" ROUND PULL BOX.
- 18. EXISTING LIGHT TO REMAIN. PROTECT EXISTING BRANCH CIRCUIT CONDUITS.
- 19. NEW (PVC 40) FEEDER CONDUIT FOR EV CHARGER PER SINGLE LINE DIAGRAM.
- 20. NEW 1" (PVC 40 BRANCH CIRCUIT CONDUIT) TO POWER THE EXISTING POLE LIGHT. RE-ROUTE EXISTING BRANCH CIRCUIT AND EXTEND.



1106 WALNUT FENCING IMPROVEMENTS
 ENLARGED ELECTRICAL SITE PLAN

PROJECT TITLE
 SHEET TITLE
 90% CONSTRUCTION DOCUMENTS



DESIGNED BY: CHRIS JOSE
 DRAWN BY: TR
 CHECKED BY: CJJT
 APPROVED BY:
 SCALE: AS NOTED
 DATE: SEPT 11, 2024
 CITY SPECIFICATION NO: 2000577-02
 PLAN FILE NO / LOCATION: 2504-05-PS23
 SHEET NO:



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