

PROJECT INFORMATION

PROJECT ADDRESS:	2285 CHALLENGER WAY SANTA ROSA, CA 95407
OWNER/DEVELOPER:	JTW DEVELOPMENT c/o JOSH HAUS 694 GRANDVIEW LANE LAKE FOREST, IL 60045 (847) 482-0178
CIVIL ENGINEER:	ANDREW WILLIS, P.E. BC ENGINEERING GROUP, INC. 418 B STREET, THIRD FLOOR SANTA ROSA, CA 95401 (707) 542-4321
SURVEYOR:	BKF ENGINEERS 200 4TH STREET, SUITE 300 SANTA ROSA, CA 95401 (707) 583-8500
GEOTECHNICAL ENGINEER	PJC & ASSOCIATES, INC. 600 MARTIN AVE #210 ROHNERT PARK, CA 94928 (707) 584-4804
AREA:	8.06 ACRES
FLOOD ZONE:	X

ABBREVIATION

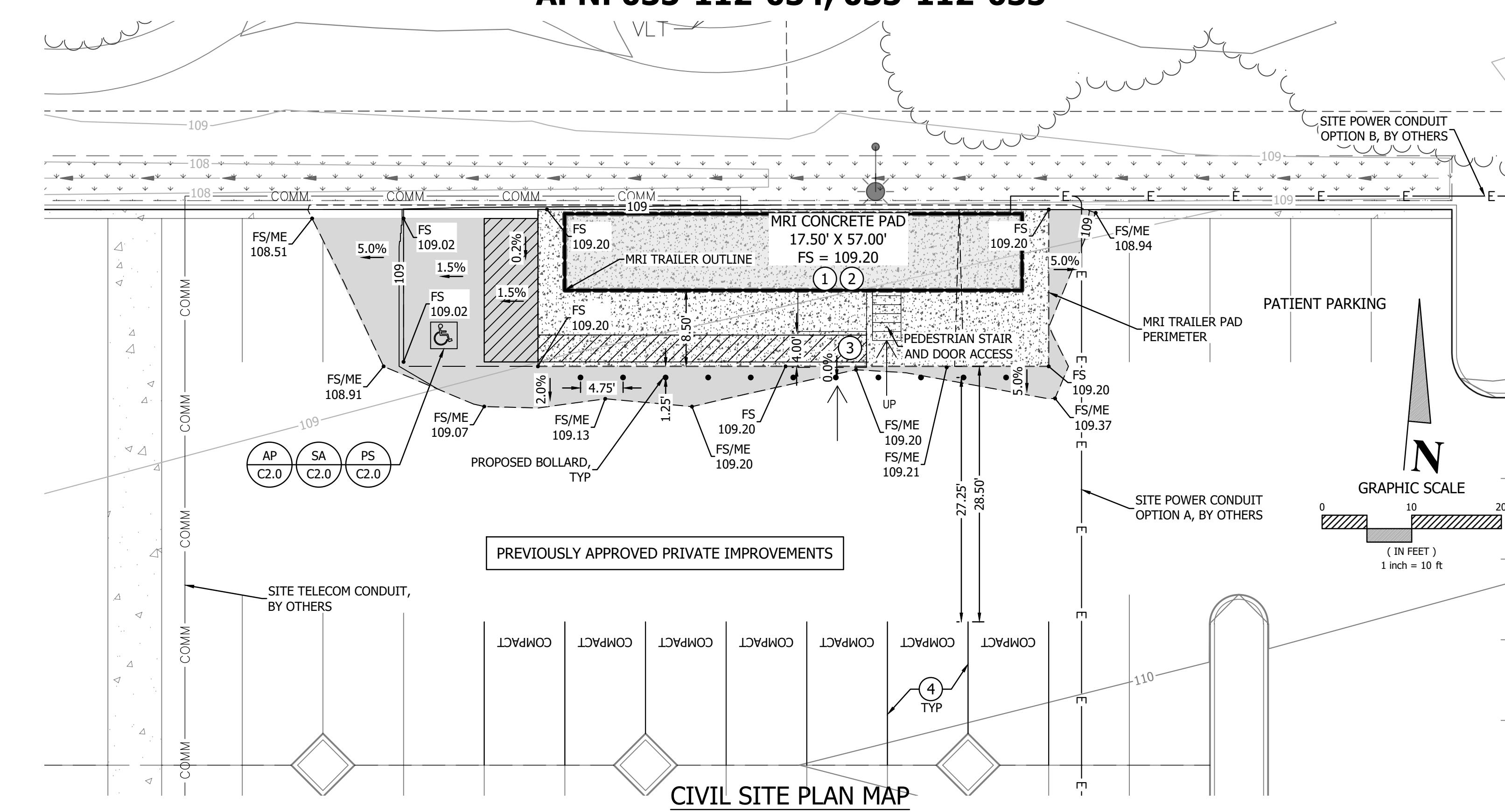
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
CB	CATCH BASIN
CL	CENTERLINE / CLASS
CY	CUBIC YARD
DI	DROP INLET
EG	EXISTING GROUND
EX or (E)	EXISTING
FD	FLOOR DRAIN
FG	FINISH GRADE
FL	FLOWLINE
FS	FINISHED SURFACE
FT	FOOT / FEET
GB	GRADE BREAK
GR	GRATE
HP	HIGH POINT
IG	INVERT GRADE
IN	INCH
INV	INVERT
L	LENGTH
LF	LINEAL FOOT/FEET
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
PL	PROPERTY LINE
S	SLOPE
SF	SQUARE FEET
TB	TOP OF BANK
TYP	TYPICAL
USP	UNDER SEPARATE PERMIT
YD YDS	YARD YARDS

GRADING AND DRAINAGE NOTES

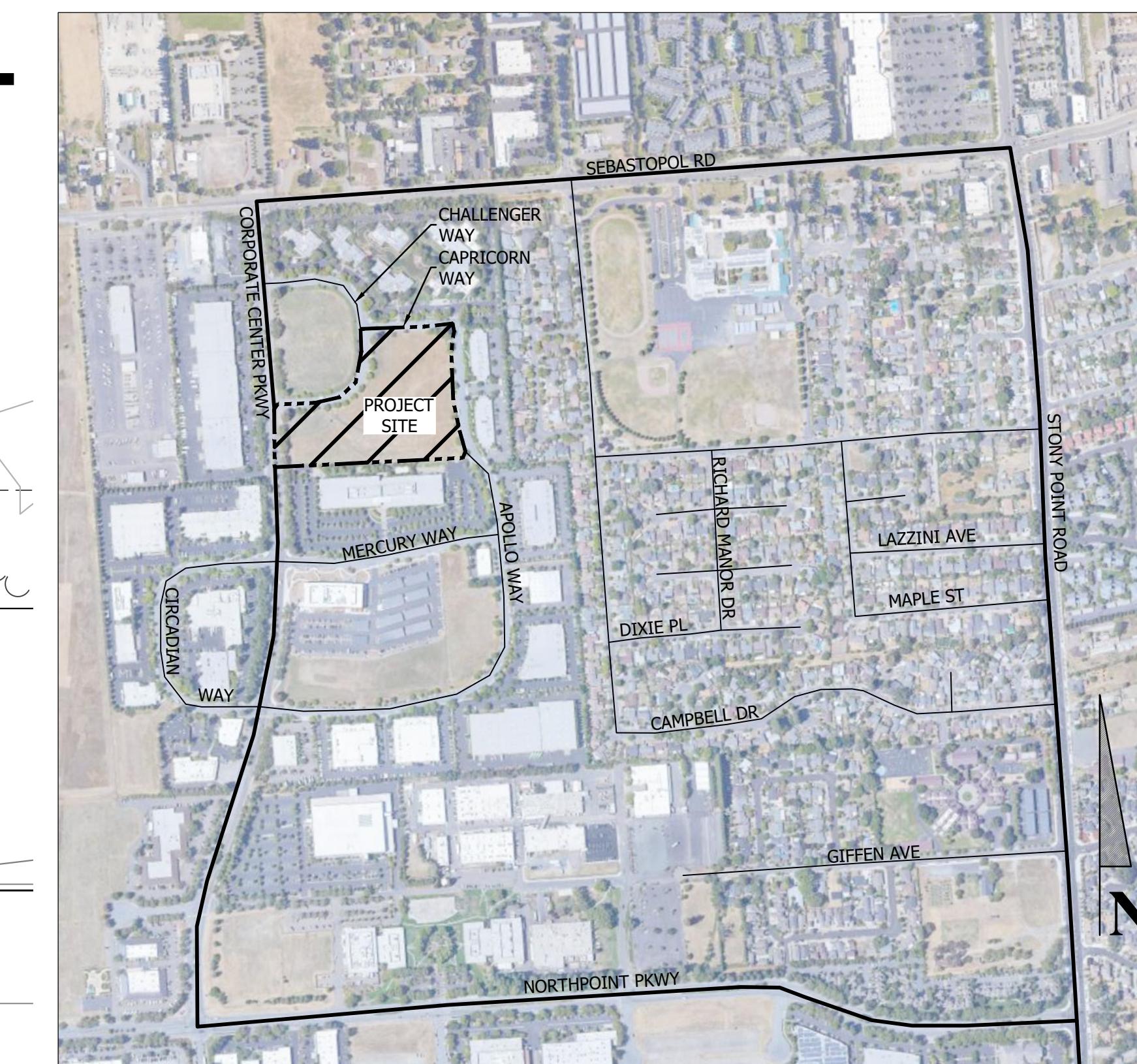
1. NO GRADING, CLEARING OR GRUBBING SHALL BE PERFORMED PRIOR TO ISSUANCE OF A BUILDING PERMIT BY THE CITY OF SANTA ROSA.
2. TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN CREEK SETBACK AREAS, PROTECTED VEGETATION/TREE AREAS OR WITHIN 10 FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE. STOCKPILES HIGHER THAN 2.5 FEET SHALL NOT BE WITHIN 50 FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE.
3. TEMPORARY STOCKPILES MUST BE REMOVED BY COMPLETION OF GRADING ACTIVITIES. OTHERWISE, A SEPARATE TEMPORARY USE PERMIT AND GRADING PERMIT ARE REQUIRED FOR THE STOCKPILE.
4. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
5. SITE GRADING SHALL BE DONE UNDER OBSERVATION OF THE PROJECT GEOTECHNICAL ENGINEER (ALSO KNOWN AS "SOILS ENGINEER") AND SHALL BE IN COMPLIANCE WITH CHAPTER 18 APPENDIX J, THE MOST RECENT EDITION OF THE CALIFORNIA BUILDING CODE AND THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL INVESTIGATION BY PJC & ASSOCIATES FEBRUARY 6, 2020.
6. EXISTING NON-COMPLYING FILLS AS IDENTIFIED IN THE PROJECT GEOTECHNICAL INVESTIGATION SHALL BE REMOVED OR BROUGHT INTO COMPLIANCE WITH CHAPTER 18, AND APPENDIX J, THE MOST RECENT EDITION OF THE CALIFORNIA BUILDING CODE, AND THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
7. EXCESS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE TO AN AREA APPROVED BY THE CITY BUILDING DIVISION AND CITY FIRE DEPARTMENT. APPROVALS MUST BE IN WRITING PRIOR TO REMOVAL OF MATERIAL.
8. DRAINAGE FROM UPSTREAM PROPERTIES SHALL NOT BE BLOCKED BY GRADING OR CONSTRUCTION OF IMPROVEMENTS.
9. THE CONTRACTOR SHALL PROTECT EXISTING DRAINAGE FACILITIES FROM SEDIMENTATION DURING ALL PHASES OF CONSTRUCTION.
10. HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE CITY'S FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF ANY STRUCTURES ON THE PROJECT SITE.
11. PRIOR TO ANY GRADING OPERATION, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCE AROUND THE DRIP LINE OF TREES TO BE SAVED IN COMPLIANCE WITH THE CITY TREE ORDINANCE. THE CUTTING, FILLING, PAVING OR TRENCHING WITHIN ROOT ZONES OF TREES TO BE SAVED MUST BE REVIEWED AND APPROVED BY A CITY APPROVED ARBORIST AND PERFORMED UNDER THEIR SITE SUPERVISION.
12. DRIP-LINES OF TREES OVERHANGING THE PROPERTY LINE SHALL BE AFFORDED THE SAME LEVEL OF PROTECTION AS TREES ON SITE THAT ARE TO REMAIN.
13. ALL PADS SHALL BE CONSTRUCTED TO A TOLERANCE OF 0.1 FEET +/- FROM SHOWN PAD ELEVATION.
14. RECORD DRAWINGS SHALL INCLUDE SUB-DRAINS AND CLEAN-OUTS REQUIRED BY THE PROJECT GEOTECHNICAL ENGINEER DURING CONSTRUCTION.
15. DEVELOPMENT MUST CONFORM TO 40 CFR (CODE OF FEDERAL REGULATIONS) PARTS 122, 123 AND 124 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATIONS FOR STORM WATER DISCHARGE. PROJECT MUST ALSO CONFORM WITH ANY DESIGN AND CONSTRUCTION POLICIES ADOPTED BY THE CITY TO CONFORM WITH THESE REGULATIONS.
16. FILLING IS RESTRICTED TO 1 FOOT MAXIMUM ABOVE EXISTING GROUND AND 2 FOOT MINIMUM ADJACENT TO EXISTING RESIDENTIAL LOTS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
17. BLASTING (IF REQUIRED) REQUIRES A PERMIT FROM THE CITY FIRE DEPARTMENT.
18. PRIVATE DRIVEWAYS SHALL BE CONSTRUCTED UNDER THE OBSERVATION OF THE SOILS ENGINEER IN COMPLIANCE WITH THE CITY DESIGN AND CONSTRUCTION STANDARDS. PROGRESS AND FINISH REPORTS SHALL BE FURNISHED TO THE CITY IN COMPLIANCE WITH C.B.C. SPECIAL INSPECTION REQUIREMENTS. ALL COSTS RELATED TO SUCH SPECIAL INSPECTIONS SHALL BE BORNE BY THE OWNER/DEVELOPER.

CIVIL SITE PLAN DRAWING FOR A COMMUNITY BASED OUTPATIENT IC TRANSPORTABLE MRI PAD

**2285 CHALLENGER WAY, SANTA ROSA, CA 95407
APN: 035-112-034, 035-112-035**



VICINITY MAP



UTILITY GENERAL NO

NOTICE OF GENERAL NOTIFICATION

EROSION PREVENTION & SEDIMENT CONTROL NOTE

EROSION AND SEDIMENT CONTROL SHOWN ON THIS SHEET ASSUMES STREET, CURB, GUTTER AND STORM DRAINS ARE COMPLETED PRIOR TO RAINS. PROJECT ENGINEER SHALL PREPARE INTERIM DRAINAGE AND EROSION AND SEDIMENT CONTROL PLAN BASED ON WINTER CONDITIONS FOR CITY APPROVAL PRIOR TO CONTRACTOR INSTALLATION. A CURRENT EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED AND KEPT ON THE JOB SITE.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO ENSURE THAT WATER ENTERING THE STORM DRAIN SYSTEM FROM THE CONSTRUCTION SITE IS OF EQUIVALENT QUALITY AND CHARACTER AS THE WATER ABOVE THE SITE.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN FRONT OF INCOMPLETE STORM DRAIN SYSTEMS TO PREVENT EROSION AND SEDIMENT-LADEN WATER FROM ENTERING INTO THE PUBLIC STORM DRAIN SYSTEM. BEST MANAGEMENT PRACTICES SHALL BE USED WHEN DESIGNING AND INSTALLING SUCH DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER AND CITY OF SANTA ROSA AND IN ACCORDANCE WITH THE PROJECT SWPPP (IF APPLICABLE). EROSION AND SEDIMENT CONTROL MEASURES AND THEIR INSTALLATION SHALL BE ACCOMPLISHED USING BEST MANAGEMENT PRACTICES.

IF THE STORM DRAIN SYSTEM IS NOT IN PLACE BY OCTOBER 15, ADDITIONAL MEASURES SHALL BE TAKEN SUCH AS TEMPORARY SETTLEMENT BASINS WHICH MEET THE SATISFACTION OF THE ENGINEER AND THE CITY OF SANTA ROSA. SILT AND/OR CATCH BASINS MUST BE CLEARED OUT ON A REGULAR BASIS AFTER STORMS TO MAINTAIN DESIGN CAPACITY.

STORM WATER RUNOFF FROM THE CONSTRUCTION SITE SHALL BE DIRECTED TOWARD AN INLET WITH A SEDIMENT OR FILTRATION INTERCEPTOR PRIOR TO ENTERING THE STORM DRAIN SYSTEM.

THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING WATER THAT HAS BECOME POLLUTED DUE TO NOT TAKING NECESSARY EROSION AND SEDIMENT CONTROL ACTIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF MUD AND DEBRIS CARRIED ONTO SURROUNDING STREETS AND ROADS AS A RESULT OF CONSTRUCTION ACTIVITY ON THE SITE TO THE SATISFACTION OF THE CITY OF SANTA ROSA.

ANY DENUDED OR DISTURBED SOILS SHALL BE PROTECTED USING BEST MANAGEMENT PRACTICES.

- PRIOR TO AND DURING A PRECIPITATION EVENT, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED BY THE DEVELOPER, CONTRACTOR OR OWNER SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF LEAVES THE SITE.
- THE CONTRACTOR SHALL INFORM ALL CONSTRUCTION SITE WORKERS ABOUT THE MAJOR PROVISIONS OF THE EROSION AND SEDIMENT CONTROL PLAN AND SEEK THEIR COOPERATION IN AVOIDING THE DISTURBANCE OF THESE CONTROL MEASURES.
- BEST MANAGEMENT PRACTICES SHALL BE VISUALLY MONITORED ON A WEEKLY BASIS DURING THE DRY SEASON AND RECORDED IN A DAILY INSPECTION CHECKLIST. RAIN EVENT VISUAL MONITORING SHALL BE PERFORMED WITHIN 48 HOURS PRIOR TO AN ANTICIPATED RAIN EVENT DAILY DURING A RAIN EVENT AND WITH 48 HOURS FOLLOWING A RAIN EVENT. REMOVE SEDIMENT WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE BARRIER AND REPLACE FILTER DEVICES AS NECESSARY TO ENSURE PROPER FUNCTION.
- UNSTABILIZED AREAS WILL BE REPAIRED AS SOON AS POSSIBLE AFTER BEING DAMAGED.
- ALL GRADED OR DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.
- ENTRANCE TO THE PROJECT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE OF PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED ROCK THAT DRAINS INTO A SEDIMENT TRAP.
- ALL SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY USING BEST MANAGEMENT PRACTICES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK STORM FLOW OR DRAINAGE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WHEN THEY ARE NO LONGER FUNCTIONING PER BEST MANAGEMENT PRACTICES.
- THE CONTRACTOR SHALL HAVE EROSION AND SEDIMENT CONTROL MEASURES ON SITE ADEQUATE TO PROTECT THE ENTIRE SITE PRIOR TO THE OCTOBER 15 DATE SUCH THAT IT IS IMMEDIATELY AVAILABLE IN PREPARATION OF THE UPCOMING WINTER SEASON OR IN THE EVENT OF AN EARLY RAIN.

AFTER CONSTRUCTION IS COMPLETE ALL STORM DRAIN SYSTEMS ASSOCIATED WITH THIS PROJECT SHALL BE INSPECTED AND CLEARED OF ACCUMULATED SEDIMENTS AND DEBRIS.

PENALTIES, INCLUDING PA

(ALSO KNOWN AS "SOILS ENGINEER) AND SHALL BE IN COMPLIANCE WITH CHAPTER 18 APPENDIX J, MOST RECENT EDITION OF THE CALIFORNIA BUILDING CODE AND THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL INVESTIGATION BY PJC & ASSOCIATES FEBRUARY 6, 2020.

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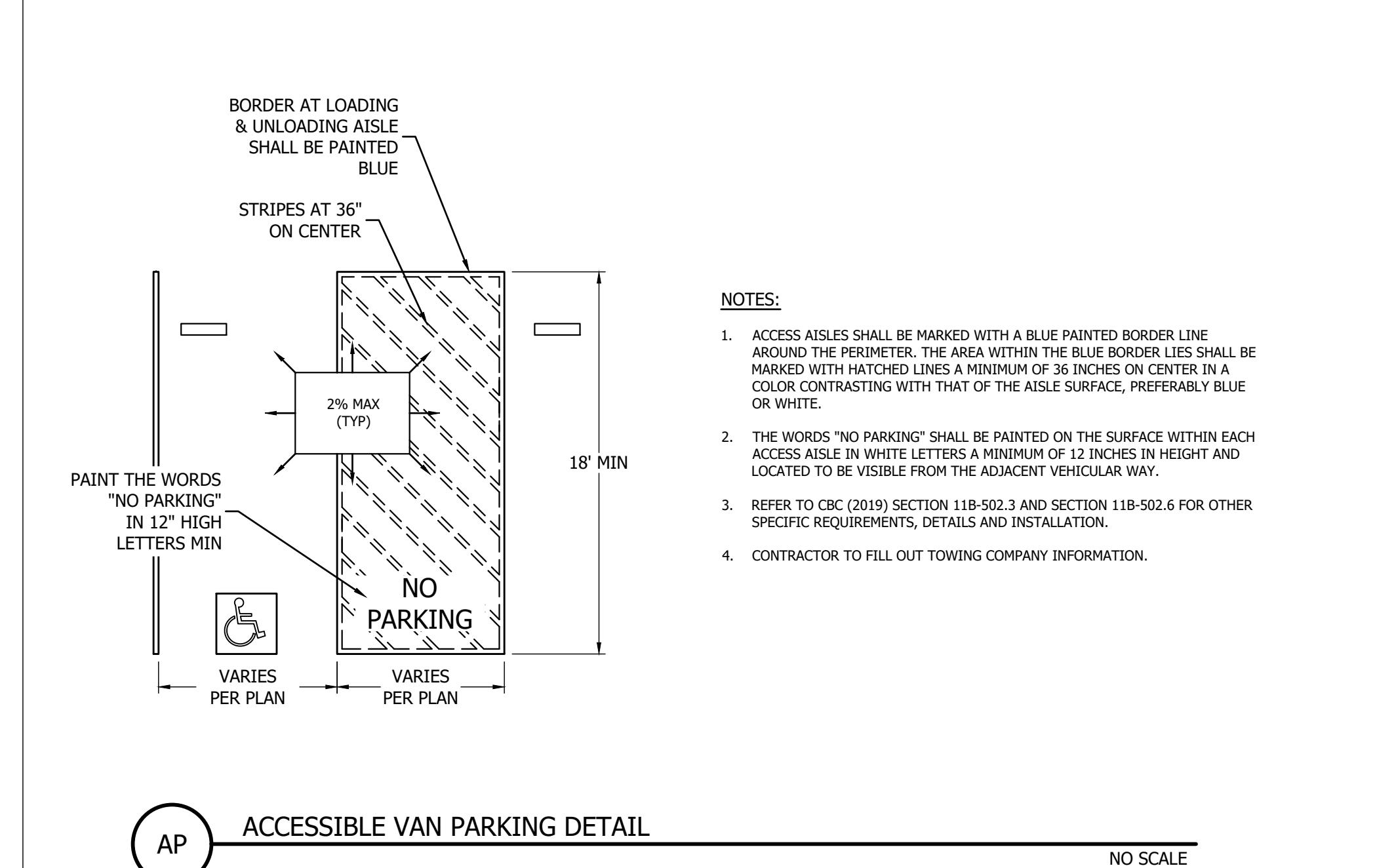
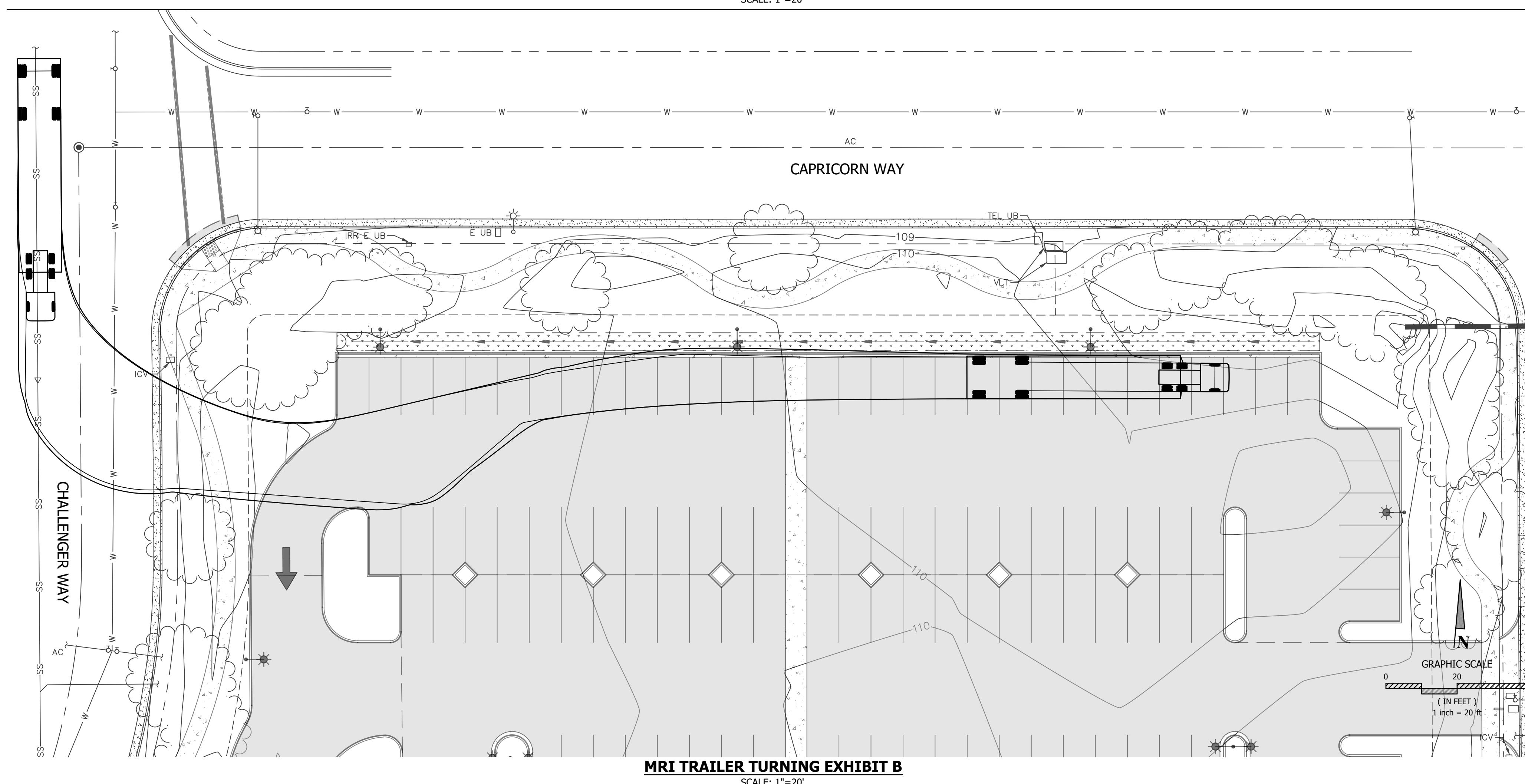
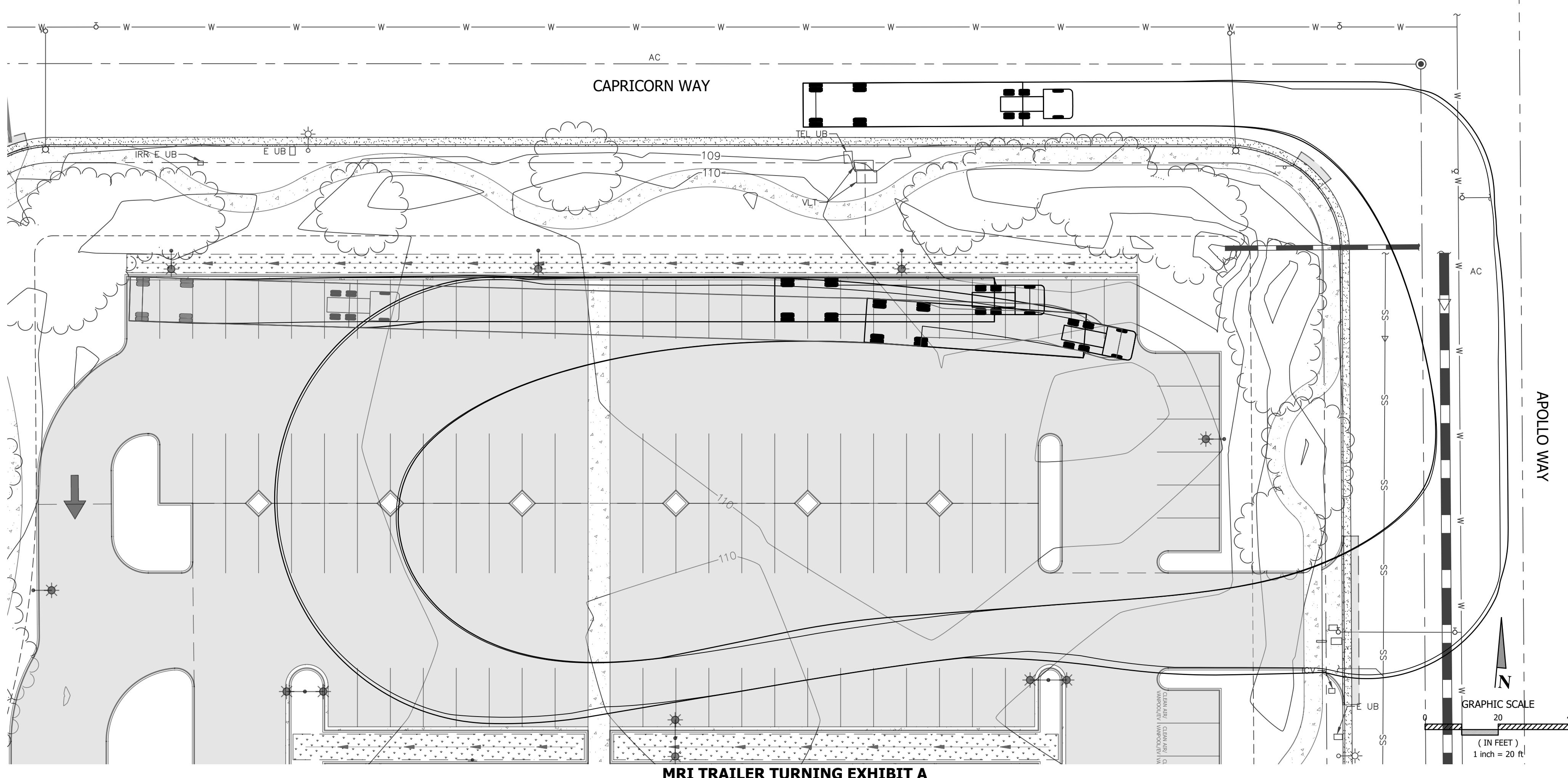
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GENERAL NOTES

1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER AND BC ENGINEERING GROUP HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXEMPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
2. THE ENGINEER ASSUMES NO RESPONSIBILITY OTHER THAN FOR THE ADEQUACY OF THE DESIGN CONTAINED HEREIN.
3. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF SANTA ROSA (SUCH AS ENCROACHMENT, GRAVITY, BUILDING, DEMOLITION ETC.) PRIOR TO COMMENCEMENT OF WORK.
4. ALL MATERIALS TO BE USED ARE TO BE APPROVED BY THE ENGINEER PRIOR TO THEIR PLACEMENT. ANY MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL.
5. AFTER COMPLETION OF WORK, WORK AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
6. NO GUARANTEE IS INTENDED THAT UNDERGROUND CONSTRUCTIONS NOT SHOWN ON THE PLANS WILL NOT BE ENCOUNTERED. CONSTRUCTIONS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE OWNER, THE ENGINEER AND THE CITY OF SANTA ROSA ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN AND BRING DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING ANY WORK AND NOT PROCEED WITH THE WORK.
8. ALL WORK SHALL CONFORM TO APPLICABLE CITY OF SANTA ROSA CODES AND STANDARDS.
9. THE OWNER SHALL PROVIDE THE NECESSARY MATERIAL AND SOILS TESTING INSPECTIONS AND OBSERVATIONS. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE PRIOR TO REQUIRED TESTING.
10. ALL NATURAL AREAS DISTURBED BY EARTHWORK SHALL BE REPAIRED WITH EXISTING STOCKPILED TOPSOIL SPECIFIC TO DISTURBED AREA. PRIOR TO COMMENCING ANY EARTHWORK OR GROUND DISTURBANCE, CONTRACTORS SHALL IDENTIFY STOCKPILE LOCATIONS FOR THE EARTHWORK WITH THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL PLAN TO HAVE MULTIPLE STOCKPILE LOCATIONS ON SITE IN AN EFFORT TO SPREAD OUT THE EARTHWORK AND USE THE STOCKPILE TOP SOIL ZONES FOR REPLACEMENT AT THE END OF CONSTRUCTION. AFTER EARTHWORK IS COMPLETE, CONTRACTOR SHALL REPAIR ALL DISTURBED AREAS WITH THE STOCKPILED TOP SOILS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
11. EXCESS EARTH MATERIAL SHALL BE PLACED IN AREAS DESIGNATED BY THE OWNER AND/OR PROJECT ARCHITECTS, AND INSPECTED AS NECESSARY, BY A GEOTECHNICAL ENGINEER. SHOULD ANY MATERIAL NEED TO BE REMOVED FROM SITE, ALL OFFHAUL MATERIALS SHALL BE INCLUDED IN BID.
12. ALL CUT AND FILL EXCAVATION AND EARTH PLACEMENT SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT.
13. CONTRACTOR TO COORDINATE WITH OWNERS AND GEOTECHNICAL FIRM THE PLACEMENT OF EARTH SPOILS, STABILIZATION AND WINTERIZATION.

KEY

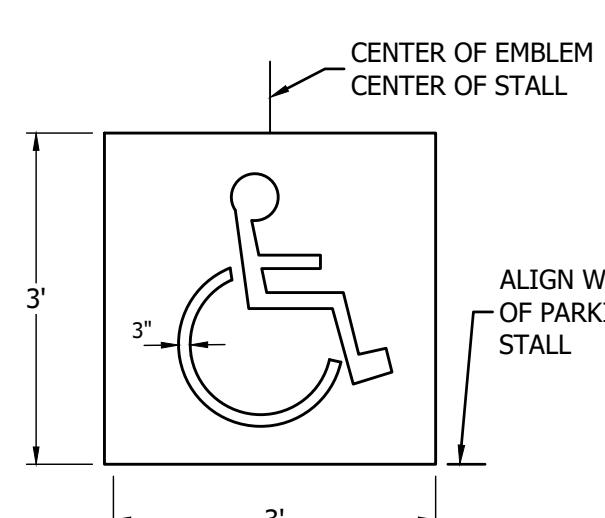
- 1 MRI CONCRETE PAD, REFER TO STRUCTURAL FOR SPECIFICATIONS
- 2 CONCRETE PAD MUST NOT EXCEED 0.125" DEVIATION IN 10.00'
- 3 ADA PATH OF TRAVEL TO ADA LIFT. ADA TRUNCATED DOMES AND TURNING LANDING TO BE PROVIDED FOR ACCESS FROM SOUTHERLY DIRECTION
- 4 REMOVE EXISTING WHITE PARKING STRIPE PAINT AND REPLACE WITH NEW 4-INCH WHITE STRIPES AS INDICATED ON PLAN



NOTES:

1. ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDER LINE AROUND THE PERIMETER. THE AREA WITHIN THE BLUE BORDER LINE SHALL BE MARKED WITH HATCHED LINES A MINIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE.
2. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN 12 INCHES LETTERS, MINIMUM 18 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY.
3. REFER TO CBC (2019) SECTION 11B-502.1 AND SECTION 11B-502.6 FOR OTHER SPECIFIC REQUIREMENTS, DETAILS AND INSTALLATION.
4. CONTRACTOR TO FILL OUT TOWING COMPANY INFORMATION.

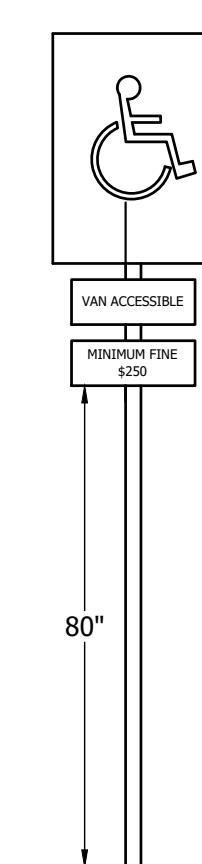
AP ACCESSIBLE VAN PARKING DETAIL NO SCALE



NOTES:

1. EMBLEM TO BE PAINTED ON SURFACE OF PARKING LOT PAVING
2. BACKGROUND COLOR IS BLUE
3. SEE SITE PLAN FOR LOCATION AND ORIENTATION

PS ACCESSIBLE PARKING SYMBOL NO SCALE



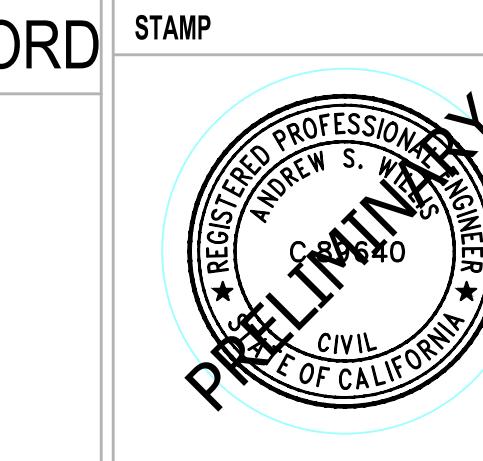
NOTES:

1. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A RELECTIVE SIGN PLACED ON THE GROUND IN FRONT OF THE STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT PAINTED IN WHITE ON A DARK BLUE BACKGROUND.
2. SIGN SHOULD BE SMALLER THAN 18 SQUARE INCHES IN AREA AND PLACED IN THE PATH OF TRAVEL AT A MINIMUM HEIGHT OF 60 INCHES FROM THE BOTTOM OF THE SIGN TO THE FINISH GRADE OF THE PARKING SPACE.
3. ADD THE WORDS STATING "VAN ACCESSIBLE" OR SIGN AS SHOWN AT STALLS DESIGNATED FOR VAN ACCESSIBLE PARKING.
4. REFER TO CBC (2019) FOR OTHER SPECIFIC REQUIREMENTS, DETAILS AND INSTALLATION.

SA SIGNAGE AT ACCESSIBLE PARKING STALLS NO SCALE

ITEM	NO.	DATE	DESCRIPTION

CONSULTANT		ARCHITECT/ENGINEER OF RECORD
BC ENGINEERING GROUP, INC. CIVIL ENGINEERING & LAND PLANNING		A/E:
www.bcenengineeringgroup.com Phone: 707.542.4321 SANTA ROSA OFFICE: 418 B Street, Third Floor, Santa Rosa CA 95401 UKIAH OFFICE: 603 S. State Street, Ukiah CA 95482		LANTZ-BOGGIO Architects & Interior Designers 5650 DTC Pkwy. Suite 200 Englewood CO 80111 Ph: 303.773.0436



Office of Construction and Facilities Management	VA U.S. Department of Veterans Affairs

Drawing Title	Phase
TURNING EXHIBITS & DETAILS - MOBILE MRI TRAILER	ISSUED FOR 100% VA REVIEW

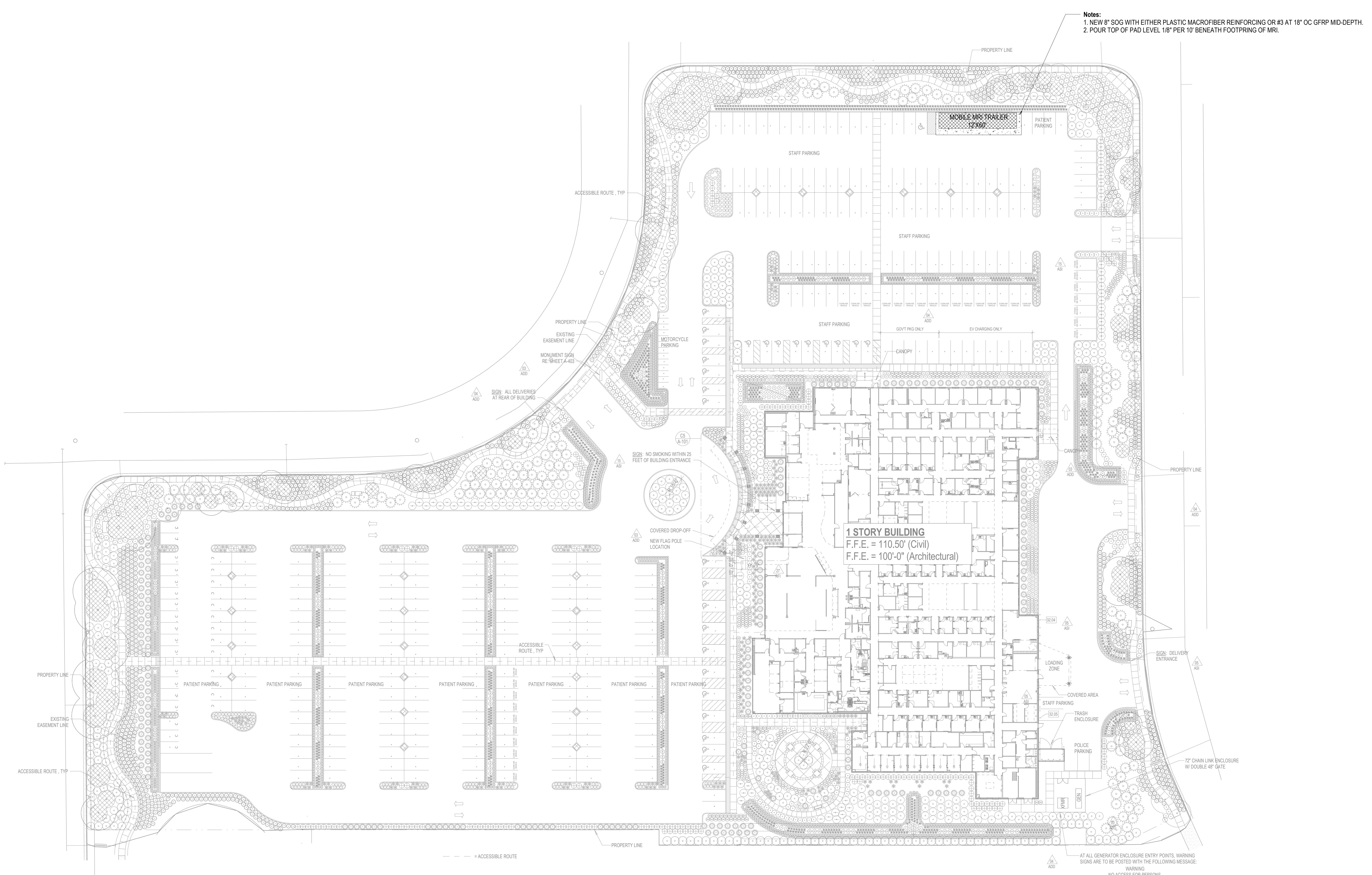
Approved:

Project Title	SANTA ROSA COMMUNITY BASED OUTPATIENT CLINIC		
Project Number	1143-18		
Building Number			
Drawing Number	C2.0		

Issue Date: 19 APRIL 2023
Checked: AWillis
Drawn: TLarsen

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		1. GENERAL: 1A. ALL WORK SHALL CONFORM WITH ACI 301, LATEST EDITION, UNLESS NOTED OTHERWISE IN DRAWINGS. 1B. DETAIL BARS IN ACCORDANCE WITH THE LATEST EDITIONS OF PUBLICATION SP-66: "ACI DETAILING MANUAL" WITH ADDED REQUIREMENTS OF THE ACI 318: "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."				1. GENERAL: 1A) ENGINEER: REFERENCES ON THE STRUCTURAL DRAWINGS TO "ENGINEER" MEAN THE STRUCTURAL ENGINEER OF RECORD. OTHER ENTITIES ARE SPECIFICALLY NOTED AS "CONTRACTOR'S ENGINEER", "MECHANICAL ENGINEER", ETC. 1B) THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERENCED FOR ADDITIONAL REQUIREMENTS. 1C) STRUCTURAL ELEMENTS ARE CENTERED ON GRID LINES AND GRID LINE INTERSECTIONS UNLESS DIMENSIONED OTHERWISE.		DESIGN CRITERIA																																																																																																																																																																																																																																																																																																																																																																																																																								
A	2. REINFORCING MATERIALS: 2A. SEE NOTE IN S110				2. USE OF DRAWINGS: 2A) DO NOT SCALE DRAWINGS. 2B) DETAILS ON DRAWINGS TAKE PRIORITY OVER GENERAL NOTES AND TYPICAL DETAILS.		1) CODES AND STANDARDS: 1A) GENERAL DESIGN - CALIFORNIA BUILDING CODE 2022																																																																																																																																																																																																																																																																																																																																																																																																																									
	3. REINFORCING FABRICATION: 3A. SPLICES: - NO SPLICING OF REINFORCEMENT PERMITTED EXCEPT AS NOTED ON DRAWINGS. MAKE BARS CONTINUOUS AROUND CORNERS WHERE DETAIL NOT PROVIDED. WHERE PERMITTED, SPLICES MAY BE MADE BY CONTACT SPLICES OR MECHANICAL CONNECTORS. - SEE LAP SPLICE SCHEDULE FOR LAP LENGTHS. - SPLICE CONTINUOUS TOP AND BOTTOM BARS IN WALLS, BEAMS, AND GRADE BEAMS 'LTS' UNLESS NOTED OTHERWISE. - SPLICE TOP BARS AT MIDSPAN AND BOTTOM BARS OVER SUPPORT UNLESS NOTED OTHERWISE. 3B. MISCELLANEOUS REINFORCING REQUIREMENTS: - PROVIDE ADDITIONAL REINFORCING TO TRIM ALL OPENINGS, NOTCHES, AND REENTRANT CORNERS AS NOTED IN TYPICAL DETAILS. 3C. EXISTING STRUCTURES: 3A) CONTRACT DOCUMENTS HAVE BEEN PREPARED USING AVAILABLE DRAWINGS AND SITE OBSERVATION AS PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN. 3B) DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT KNOWN OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL CONDITIONS NOT PER THE CONTRACT DOCUMENTS. EXAMPLES INCLUDE: - SIZES OR DIMENSIONS OTHER THAN THOSE SHOWN - DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS - CONDITIONS OF INSTABILITY OR LACK OF SUPPORT - ITEMS NOTED AS EXISTING ON THE DRAWINGS BUT NOT FOUND IN THE FIELD 3C) PREPARE DIMENSIONAL DRAWINGS OF ALL DISCOVERED ITEMS. 3D) CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS. 3E) CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES IN THE CONSTRUCTION SCHEDULE. 3F) SUBMIT A DIMENSIONED DRAWING OF ALL NEW OPENINGS THROUGH EXISTING STRUCTURE AND SECURE APPROVAL PRIOR TO CUTTING. NEW OPENING MAY BE EITHER SHOWN ON THE CONTRACT DOCUMENTS OR PROPOSED BY THE CONTRACTOR. DRAWING SHALL SHOW: - VERTICAL & HORIZONTAL LOCATION AND SIZE OF NEW OPENING(S) - ALL EXISTING OPENINGS IN THE VICINITY OF THE NEW OPENING(S) - ALL EXISTING STRUCTURE (BEAMS, COLUMNS, SLABS, WALLS, ETC) IN THE VICINITY OF THE NEW OPENING(S) - ALL REINFORCING BAR SIZES AND POSITIONS (LAYOUT LOCATION AND DEPTH) CONFLICTING WITH OR IN THE VICINITY OF THE NEW OPENING(S).				2) SEISMIC LOADS: 2A) CONCRETE - ACI 301-LATEST EDITION "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" - ACI 318-19 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" 2B) STEEL - ANSI/AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS" - ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" LOAD AND RESISTANCE FACTOR DESIGN																																																																																																																																																																																																																																																																																																																																																																																																																											
B	4. STRUCTURAL CONCRETE MIX REQUIREMENTS: 4A. SEE "CONCRETE MIX TABLE"				3) WIND LOADS: 3A) CONCRETE - RISK CATEGORY = IV - BASIC ULTIMATE WIND SPEED, $V_{ult} = 112 \text{ mph}$ - BASIC NOMINAL WIND SPEED, $V_{asd} = 63 \text{ mph}$ - EXPOSURE CATEGORY = C - INTERNAL PRESSURE COEFFICIENT, $G_{cp} = +0.18$		QUALITY ASSURANCE GENERAL NOTES STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING																																																																																																																																																																																																																																																																																																																																																																																																																									
	5. NON-SHRINK GROUT: 5A. CONFORM TO ASTM C1107. 5B. ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.				4) CONSTRUCTION/CONTROL JOINTS: 4A. SUBMIT DRAWINGS SHOWING CONSTRUCTION AND CONTROL JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS. CONSTRUCTION JOINT LOCATIONS AND CASTING SEQUENCE SHALL BE ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING/SHRINKAGE.		1) GENERAL: 1A. SCOPE OF WORK - THE OWNER WILL ENGAGE A QUALIFIED INSPECTION AND TESTING AGENCY(S) TO PERFORM SPECIAL INSPECTIONS AND TESTING FOR ALL STRUCTURAL MEMBERS AND ASSEMBLIES AS NOTED HEREIN. - SUBMIT DOCUMENTATION OF QUALIFICATIONS, INCLUDING COMPETENCE AND RELEVANT WORK EXPERIENCE OR TRAINING OF SPECIAL INSPECTORS TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE START OF WORK. - SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION REQUIRED BY CBC 2022 SECTION 110. - REFER TO THE SPECIFICATIONS FOR REPORTING AND PROCEDURAL REQUIREMENTS FOR QUALITY ASSURANCE AND QUALITY CONTROL. - REFER TO ARCHIMECH/ELEC/CIVIL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL SPECIAL INSPECTION AND TESTING THAT MAY BE REQUIRED. 1B. SPECIAL INSPECTIONS AND TESTING ARE APPLICABLE TO ALL REVISIONS AND/OR FUTURE WORK ADDED BY AMENDMENTS TO THESE DOCUMENTS. 1C. DEFINITIONS - SPECIAL INSPECTOR: THE AGENCY ENGAGED BY THE OWNER AND APPROVED BY THE AUTHORITY HAVING JURISDICTION TO ACT AS THE DESIGNATED REPRESENTATIVE TO PERFORM INSPECTIONS. - SPECIAL INSPECTION: INSPECTION PERFORMED BY THE SPECIAL INSPECTOR ACCORDING TO CBC 2022 SECTION 1704 TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. - (P) PERIODIC INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK. - (C) CONTINUOUS INSPECTION: THE FULL-TIME OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK. 1D. DEFICIENCIES IN WORK - CORRECT DEFICIENCIES IN WORK THAT TESTS AND INSPECTIONS INDICATE DO NOT COMPLY WITH THE CONTRACT DOCUMENTS AND REFERENCED STANDARDS. - ALL COST OF ADDITIONAL TESTING AND/OR INSPECTIONS FOR CORRECTIVE WORK SHALL BE BORNE BY THE CONTRACTOR.																																																																																																																																																																																																																																																																																																																																																																																																																									
C	6. PLACING REINFORCEMENT: 6A. REINFORCEMENT PROTECTION: - SEE "CONCRETE COVER TABLE" - SEE ACI 318-08 7.5 FOR REINFORCEMENT PLACING TOLERANCES AND ACI 117 FOR ADDITIONAL REQUIREMENTS				5) SUBMITTALS AND SUBSTITUTIONS: 5A) SUBMITTALS: REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS - IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY MARTIN/MARTIN, INC. PRIOR TO SUBMITTING SHOP DRAWINGS. VARIATION SHALL BE INDICATED ON THE SHOP DRAWINGS. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN, INC. FOR MAKING THE CHANGE. - CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE IN SUBMITTALS. - ALL SHOP DRAWINGS SHALL REFERENCE THE STRUCTURAL DRAWING NUMBER AND DETAIL USED TO PREPARE THE SUBMITTAL. - SUBMIT A STATEMENT OF RESPONSIBILITY FOR CONSTRUCTION OF THE LATERAL LOAD RESISTING SYSTEM IDENTIFIED IN THE DESIGN CRITERIA IN ACCORDANCE WITH CBC 2022 SECTION 1704		2) SHOP FABRICATIONS: 2A. GENERAL - PERFORM INSPECTIONS AND TESTING FOR ALL SHOP FABRICATED STRUCTURAL MEMBERS AND ASSEMBLIES AS NOTED HEREIN. SPECIAL INSPECTOR SHALL PERFORM SPECIAL INSPECTIONS AND TESTING UNLESS THE FABRICATOR IS REGISTERED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION OR FABRICATION HAS A CURRENT ICC-ES EVALUATION REPORT. - SPECIAL INSPECTOR SHALL VERIFY THE FABRICATOR MAINTAINS AND FOLLOWS DETAILED SHOP FABRICATION AND QUALITY CONTROL PROCEDURES, UNLESS FABRICATOR IS REGISTERED AND APPROVED. - AT THE COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AUTHORITY HAVING JURISDICTION ACCORDING TO CBC 2022 SECTION 1704.2.6.1. - APPROVED FABRICATORS MAY PERFORM TESTING NOTED HEREIN EXCEPT THAT NONDESTRUCTIVE TESTING (NDT) SHALL ONLY BE PERFORMED BY PERSONNEL WITH QUALIFICATIONS THAT MEET OR EXCEED THE CRITERIA OF AWS D.1 SUBCLAUSE 6.14.6 AND AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING (ASNT) SNT-TC-1A OR ASNT CP-189.																																																																																																																																																																																																																																																																																																																																																																																																																									
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	9. MEP AND OTHER OPENINGS AND EMBEDMENTS: 9A. PROVIDE SLEEVES AT OPENINGS (SUCH AS THOSE REQUIRED FOR PLUMBING AND ELECTRICAL PENETRATIONS) BEFORE PLACING CONCRETE. REMOVE METAL DECK AT SLEEVES AFTER CONCRETE HAS CURED TO 75% DESIGN STRENGTH MINIMUM. DO NOT CUT REINFORCING WHICH MAY CONFLICT.				10) DEFERRED SUBMITTALS: 10A) SUBMIT DRAWINGS FOR ALL NEW OPENINGS THROUGH EXISTING STRUCTURE AND SECURE APPROVAL PRIOR TO CUTTING. NEW OPENING MAY BE EITHER SHOWN ON THE CONTRACT DOCUMENTS OR PROPOSED BY THE CONTRACTOR. DRAWING SHALL SHOW: - VERTICAL & HORIZONTAL LOCATION AND SIZE OF NEW OPENING(S) - ALL EXISTING OPENINGS IN THE VICINITY OF THE NEW OPENING(S) - ALL EXISTING STRUCTURE (BEAMS, COLUMNS, SLABS, WALLS, ETC) IN THE VICINITY OF THE NEW OPENING(S) - ALL REINFORCING BAR SIZES AND POSITIONS (LAYOUT LOCATION AND DEPTH) CONFLICTING WITH OR IN THE VICINITY OF THE NEW OPENING(S).		5) DEFERRED SUBMITTALS																																																																																																																																																																																																																																																																																																																																																																																																																									
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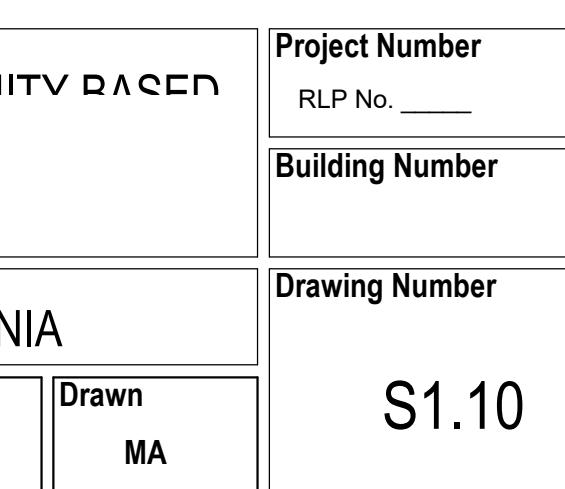
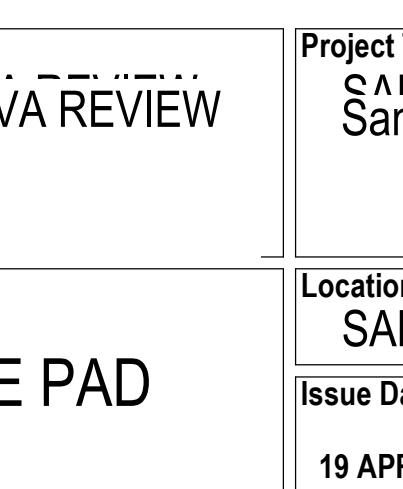
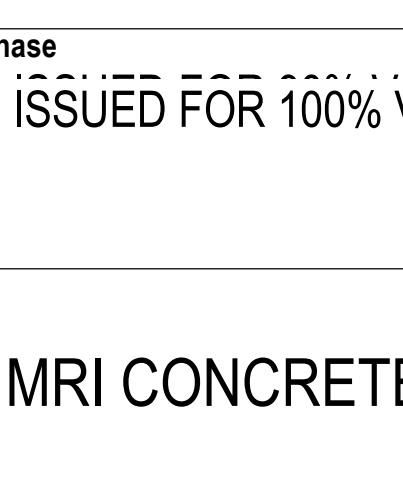
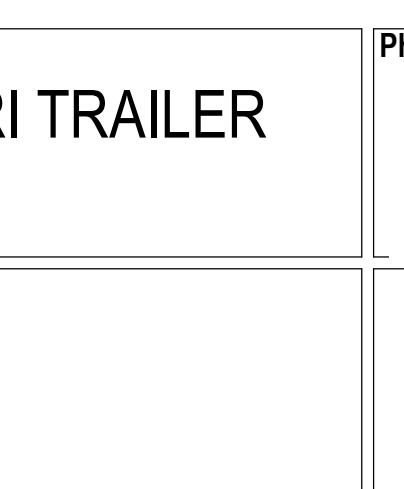
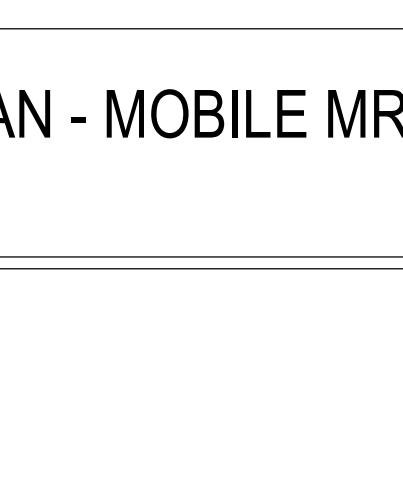
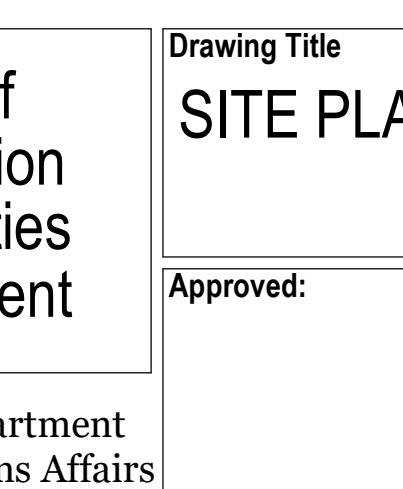
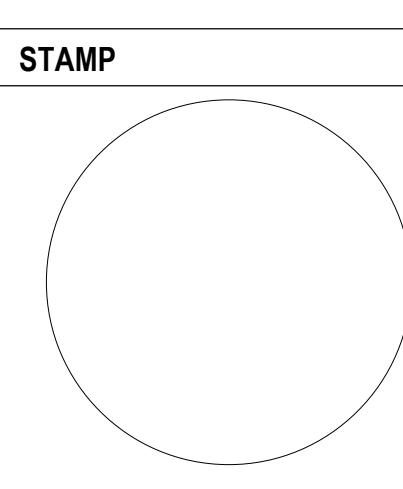
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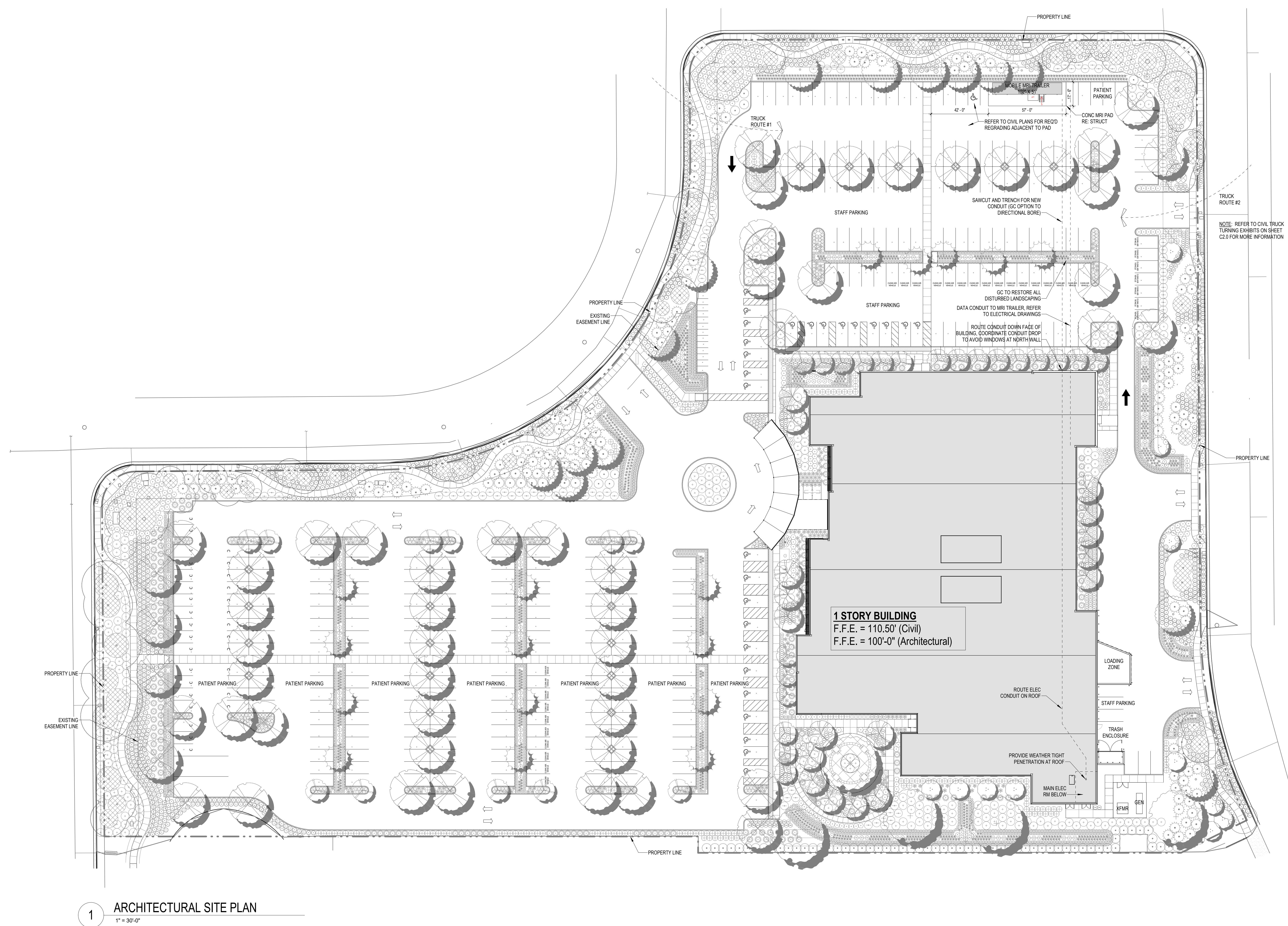
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ITEM	NO.	DATE	DESCRIPTION

CONSULTANT
MARTIN/MARTIN CONSULTING ENGINEERS 900 Larkspur Landing Circle, Suite 201 Larkspur, California 94939 415.814.0030

ARCHITECT/ENGINEER OF RECORD	STAMP	Drawing Title	Phase	Project Title
LANTZ-BOGGIO Architects & Interior Designers 9550 DTC Pkwy, Suite 200 Englewood, CO 80111 Ph: 303.773.0436		SITE PLAN - MOBILE MRI TRAILER	ISSUED FOR 100% VA REVIEW	SANTA ROSA COMMUNITY BASED Santa Rosa MRI Trailer





POWER OUTLETS	
□	SINGLE-PLEX CONVENIENCE RECEPTACLE, WALL MOUNTED MOUNTED, +18" AFF - UON.
□	DUPLEX CONVENIENCE RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	QUAD CONVENIENCE RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	DUPLEX GROUND FAULT INTERRUPTER (GFI) CONVENIENCE RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	DUPLEX RECEPTACLE HALF SWITCHED, WALL MOUNTED, +18" AFF - UON.
□	DUPLEX RECEPTACLE, ORANGE IN COLOR, WALL MOUNTED, +18" AFF - UON.
□	QUAD RECEPTACLE, ORANGE IN COLOR, WALL MOUNTED, +18" AFF - UON.
□	DUPLEX CONTROLLED RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	QUAD RECEPTACLE, RED IN COLOR/HOSPITAL GRADE, ON EMERGENCY CIRCUIT, WALL MOUNTED AT +18" AFF - UON.
□	DUPLEX CONVENIENCE RECEPTACLE, MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON, COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
□	QUAD CONVENIENCE RECEPTACLE, MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON, COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
□	DUPLEX GROUND FAULT INTERRUPTER (GFI) CONVENIENCE RECEPTACLE, MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON, COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
□	SPECIAL PURPOSE, REFER TO SPECIAL OUTLETS SCHEDULE FOR REQUIREMENTS.
□	DUPLEX RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	SPECIALLY STANDBY RECEPTACLE, WALL MOUNTED, +18" AFF - UON.
□	CEILING MOUNTED RECEPTACLES, TYPE AS INDICATED ABOVE.
□	FLOOR RECEPTACLES, TYPE AS INDICATED ABOVE.
□	FLOOR BOX - REFER TO FLUSH FLOOR BOX - THRU SCHEDULE FOR REQUIREMENTS
TYPICAL OUTLET SYMBOL NOTES:	
* 48" - INDICATES MOUNTING HEIGHT ABOVE FINISH FLOOR.	
"GFI" - GROUND FAULT CIRCUIT INTERRUPTER.	
"I" - ISOLATED TYPE	
"WP" - WATERPROOF	
"C" - CONTROLLED RECEPTACLE	
TYPICAL OUTLET SYMBOL CIRCUITING NOTES:	
TYPE	
GFCI	P2N133
	30°
	GROUP NUMBER
	PANEL NAME
	ELEVATION

ELECTRICAL ABBREVIATIONS

#	NUMBER	R	RELAY
(D)	DEMOLISH OR REMOVE	REC	RECESSED
(E)	EXISTING TO REMAIN	REF	REFLECTIVE
(E2)	EXISTING TO BE RELOCATED	RGS	RIGID GALVANIZED STEEL
(N)	NEW	RMS	ROOT MEAN SQUARE
(R)	RELOCATED	RSC	RIGID STEEL CONDUIT
(X)	EXISTING TO BE DEMOLISHED	SEC	SHORT CIRCUIT CURRENT
1P	ONE POLE	SS	SECONDARY
1P+1W	ONE POLE, ONE WIRE	SFD	SMOKE FIRE DAMPER
1P+2W	ONE POLE, TWO WIRE	SP	SPARE
2P	TWO POLE	SPD	SURGE PROTECTIVE DEVICE
2P+2W	TWO POLE, TWO WIRE	SQ	SQUARE
2P+3W	TWO POLE, THREE WIRE	STA	STAINLESS STEEL
3P	THREE POLE	ST	SHUNT TRIP
3P+2W	THREE POLE, TWO WIRE	STP	SHIELDED TWISTED PAIR
3P+3W	THREE POLE, THREE WIRE	SUSP	SUSPENDED
4P	FOUR POLE	SW	SWITCH
4P+4W	FOUR POLE, FOUR WIRE	SWBD	SWITCHBOARD
A	AMPERE	T	TAMPER-RESISTANT SAFETY RECEPTACLE
AV	AUDIO/VISUAL	TC	TELEPHONE CABINET
AC	ABOVE COUNTER	TCI	TELECOMMUNICATIONS CABLING INSTALLER
ADA	AMERICANS WITH DISABILITIES ACT	TEL	TELEPHONE
AF	AMP FRAME	TEG	TELECOMMUNICATIONS GROUNDING BAR
AFC	ABOVE FURNISHED COUNTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
AFG	ABOVE GROUND FAULT CIRCUIT INTERRUPTER	TIP	TYPE
AGF	ABOVE FINISHED FLOOR	UG	UNDERGROUND
AL	AMPERE INTERRUPTING CAPACITY	UGPS	UNDERGROUND PULL SECTION
AM	ALUMINUM	UOI	UNLESS OTHERWISE INDICATED
ARCH	ARCH	UON	UNLESS OTHERWISE NOTED
AS	AMP SWITCH	UPS	UNINTERRUPTABLE POWER SUPPLY
ASC	AMPS SHORT CIRCUIT	UTP	UNSHIELDED TWISTED PAIR
AT	AVAILABLE SHORT CIRCUIT CURRENT	V	VOLT
ATM	AMP TRIP	VA	VOLT AMPS
AVG	VOLTAGE DROP	VD	VOLTAGE DROP
BDF	AUTOMATIC SWITCH	W	WATT
BDF	AMMETER	WP	WEATHERPROOF
BDF	PEDESTAL MOUNTED ON BENCH TOP	XFMR	TRANSFORMER
BLDG	BUILDING DISTRIBUTION FRAME	Y	WYE
C	BUILDING	ZAM	ZONE ADAPTER MODULE MOUNTING UNITS TO
CAT	CATALOG		
CB	CABLE TELEVISION		
CBC	CIRCUIT BREAKER		
CCTV	CODED CIRCUIT		
CEC	CODED ELECTRICAL CODE		
CFC	CAIFORNIA FIRE CODE		
CFCI	CONTRACTOR FURNISHINGS CONTRACTOR		
CHC	COMMUNICATIONS HAND HOLD		
CKT	CONTACTOR		
CL	CENTERLINE		
CLCB	CURRENT LIMITING CIRCUIT BREAKER		
CLG	CEILING MOUNTED		
CMG	COMMUNICATIONS MANHOLE		
CO	COV. ON CABLE, ROPE		
CSGFD	COMBINATION SMOKE/FIRE DAMPER		
CT	CURRENT TRANSFORMER		
CU	COPPER		
D	DEDICATED DEVICE		
DC	DIRECT CURRENT		
DA	DIA METER		
DISC	DISCONNECT		
DIST	DISTRIBUTION		
DWG	DRAWING		
E	EMERGENCY		
EC	EEG, CONTRACTOR		
EF	EXHAUST FAN		
EG	EQUIPMENT GROUND (GREEN)		
EM	EMERGENCY		
EMI	ELECTRIC MANHOLE/MAINTENANCE HOLE		
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM		
EMT	EMT CONDUIT		
END	END OF LINE		
EOL	END OF LINE		
EWC	ELECTRIC WATER COOLER		
FA	FIRE ALARM		
FLA	FULL LOAD AMPS		
G	GROUND		
GC	GENERAL CONTRACTOR		
GEC	GROUNDING ELECTRODE CONDUCTOR		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GFI	GROUND FAULT PROTECTION EQUIPMENT		
GND	GND		
GRC	GALVANIZED RIGID CONDUIT		
HID	HIGH INTENSITY DISCHARGE		
HOB	HAND-OFF-AUTO		
HOA	HORSEPOWER		
HVAC	HIGH VENTILATING AND AIR CONDITIONING		
Hz	HERTZ (cycles per second)		
IDF	INTERMEDIATE DISTRIBUTION FRAME		
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METALLIC TUBING		
JB	JUNCTION BOX		
K	KELVIN		
KCML	THOUSAND CIRCULAR MILS		
KVA	KILOVOLT AMPERE		
KVAR	KILOVOLT AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LCI	LONG CONTINUOUS LOAD		
LP	LIGHTING PANELBOARD		
LS	LIMIT SWITCH		
LTG	LIGHTING		
LV	LOW VOLTAGE		
M	METER		
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPS		
MCC	MAIN CIRCUIT BREAKER		
MCCB	MAIN CIRCUIT CIRCUIT BREAKER		
MDF	MAIN DISTRIBUTION FRAME		
MDP	MAIN DISTRIBUTION PANEL		
MFR / MFR	MANUFACTURER		
MH	MOUNTING HEIGHT		
MN	MOUNTED		
MISC	MISCELLANEOUS		
MLO	MAIN LUGS ONLY		
MOPC	MAXIMUM OVERCURRENT PROTECTION		
MTS	MAIN TRANSFER SWITCH		
NA	NOT APPLICABLE		
NC	NORMALLY CLOSED		
NEC	NATIONAL ELECTRIC CODE		
NCIC	NOT IN CONTRACT		
NCI	NOT IN CONTRACT		
NO	NOT OPEN		
NTS	NOT TO SCALE		
OC	ON CENTER		
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
OH	OVER HEAD		
PA	POLARITY		
PB	PUBLIC ADDRESS		
PB	PULL BOX		
PC	PHOTOCELL		
PDU	POWER DISTRIBUTION UNIT		
PH	PHASE		
PNL	PANELBOARD		
PR	PAIRS		
PRI	PRIMARY		
PTZ	PAN- TILT- ZOOM		
PVC	POLYVINYL CHLORIDE CONDUIT		

SPECIFICATIONS

SPECIFICATIONS (SECTION 1600, ELECTRICAL)

PART 1 - GENERAL

1.1 GENERAL TERMS AND CONDITIONS

A. "LANDLORD" HEREIN INDICATES THE BUILDING OWNER OR HIS REPRESENTATIVE.

"OWNER" HEREIN INDICATES THE TENANT OR THE TENANT'S REPRESENTATIVE.

"CONTRACTOR" HEREIN INDICATES THE ELECTRICAL CONTRACTOR (EC).

B. SECTION 1600 OUTLINES ELECTRICAL INSTALLATION OF SUBJECT PROJECT. THIS CONTRACTOR IS DIRECTED TO REFER TO OTHER SECTIONS, WHICH INCLUDES THE ARCHITECTURAL, MECHANICAL, PLUMBING PLANS, SPECIFICATIONS AND LANDLORD'S REQUIREMENTS RELATIVE TO ADDITIONAL TECHNICAL AND LEGAL REQUIREMENTS.

1.2 COOPERATION, COORDINATION AND SITE VERIFICATION

A. HE SHALL HAVE A MINIMUM WORKING KNOWLEDGE OF ALL APPLICABLE CODES AND REGULATIONS, AND SHALL BE FAMILIAR WITH THE REQUIREMENTS AND KNOWLEDGE RESPECT TO FEEDER SIZING, VOLTAGE DROPS, BASIC DEVICE PROTECTION, ETC. IN ORDER TO INTELLIGENTLY VERIFY EXISTING FIELD CONDITIONS PRIOR TO BID AND POINT OUT DEFICIENCIES TO THE GENERAL CONTRACTOR.

1.3 SCOPE OF WORK

THE WORK INCLUDED IN THIS SECTION OF THE SPECIFICATIONS SHALL CONSIST OF FURNISHING AND LABOR MATERIALS NECESSARY TO COMPLETELY DO ALL WORK AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THE CONTRACTING, BUT NOT LIMITED TO, CONNECTIONS TO ALL EQUIPMENT ITEMS, POWER, LIGHTING, COMMUNICATIONS, ALL INSTALLATIONS TO BE ACCOMPLISHED TO THE SATISFACTION OF THE CITY INSPECTOR, LANDLORD AND OWNER IN ACCORDANCE WITH THESE SPECIFICATIONS AND PLANS.

1.4 CODES, PERMITS AND INSPECTION

1. THE INSTALLATION SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL GOVERNMENT OR THEIR AUTHORITIES HAVING LAWFUL JURISDICTIONS APPLYING TO ELECTRICAL INSTALLATIONS, WITH COMPLIANCE TO:

NATIONAL ELECTRICAL CODE (NEC) 2019 (2019 CEC)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

AMERICANS WITH DISABILITIES ACT (ADA)

WHERE CONFLICT OCCURS BETWEEN CODES, THE INSTALLATION THAT OFFERS THE MOST STRINGENT REQUIREMENTS AND PROTECTION SHALL BE ENFORCED.

2. UNLESS OTHERWISE INDICATED HEREIN OR ON THE ELECTRICAL PLANS, ALL MATERIALS SHALL BE NEW AND SHALL CONFORM TO:

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NATIONAL ELECTRICAL CODE (NEC) 2014

UNDERWRITER'S LABORATORIES, INC. (UL)

CALIFORNIA ELECTRICAL CODE (CEC) 2016

1.5 WORKMANSHIP

A. ALL WORK SHALL BE EXECUTED IN A FIRST CLASS WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED, AND SHALL INCLUDE MODIFICATION OR THE EXISTING SERVICE LOAD CENTERS AS REQUIRED, TIME CLOCKS, OUTLETS, MOTORS, ETC., INCLUDING ALL CONDUITS, RACEWAYS, WIRING, JUNCTION BOXES, ETC., AND OTHER APPURTENCES SHOWN ON THE DRAWINGS. APPURTENCES REQUIRED FOR A COMPLETE OPERATING SYSTEM, INCLUDING THE HANGING AND LAMPING OF ALL FIXTURES AND TRANSFORMERS, EXCEPT AS OTHERWISE NOTED.

B. ANY MATERIAL ITEMS OF WORK NOT SHOWN ON THE DRAWINGS, MENTIONED IN THE SPECIFICATIONS OR VICE-VERSA, OR ANY ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION SHALL BE INCLUDED IN CONTRACTOR'S SCOPE OF WORK.

C. CONDUIT SHALL BE CANCELED WHEREVER POSSIBLE AND SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING WALLS AND CEILINGS.

PART 2 - PRODUCTS AND EXECUTION

1.1 ELECTRICAL MATERIALS

A. THE MANUFACTURER'S CATALOG NUMBERS GIVEN IN THE ELECTRICAL DRAWINGS ARE USED TO INDICATE THE CLASS AND TYPE OF EQUIPMENT DESIRED.

1.2 CONDUIT AND FITTINGS

A. CONDUIT SHALL BE CONSTRUED AS ELECTRICAL RACEWAYS AND SHALL CONFORM TO THE FOLLOWING:

1. CONCEALED IN CEILINGS AND PARTITIONS - EMT - IMC

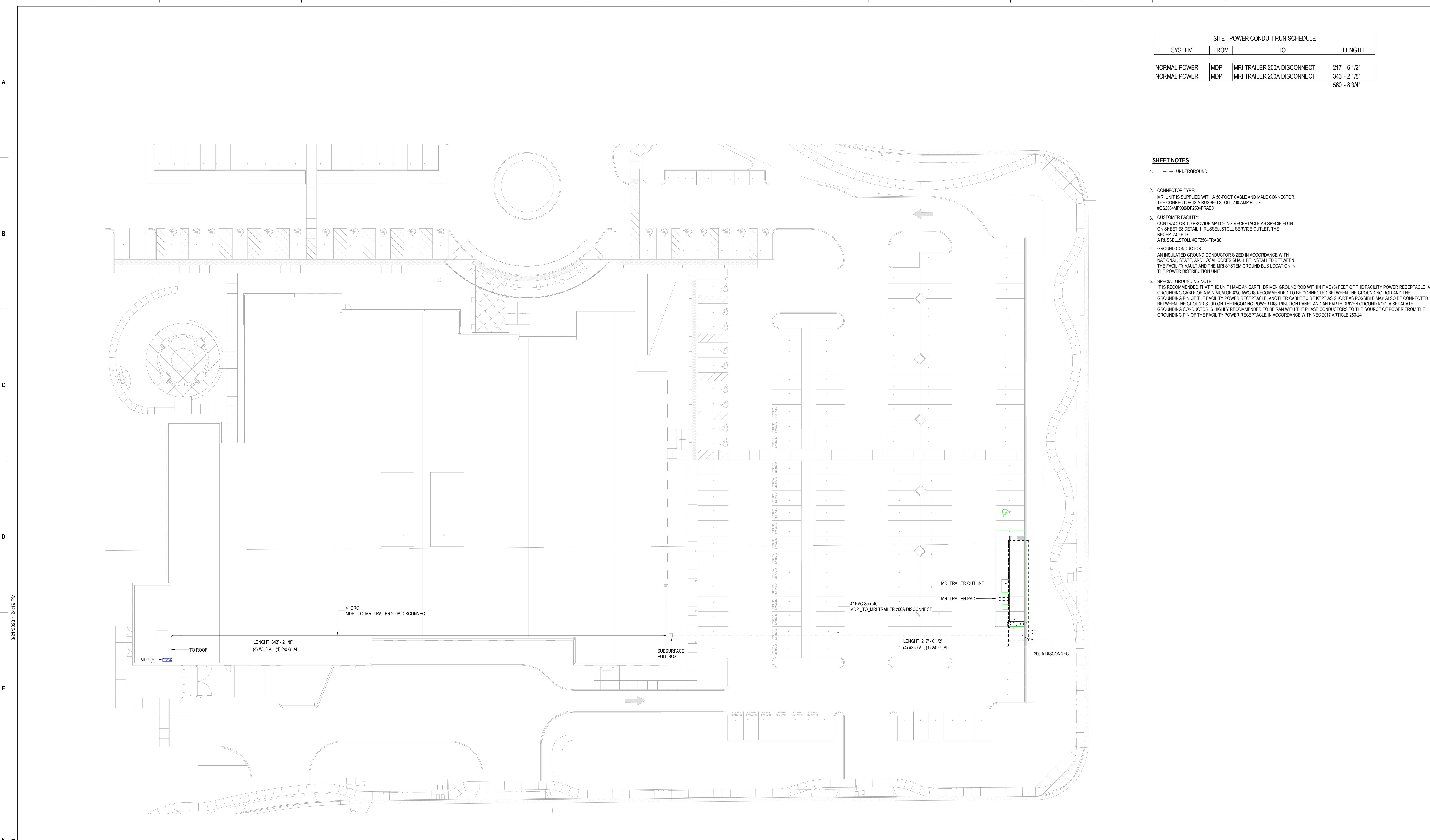
2. EXPOSED ON BUILDING EXTERIOR OR SUBJECTED TO PHYSICAL DAMAGE - RIGID GALVANIZED STEEL OR INTERMEDIATE STEEL CONDUIT.

3. CONNECTION TO MOT

SITE - POWER CONDUIT RUN SCHEDULE			
SYSTEM	FROM	TO	LENGTH
NORMAL POWER	MDP	MRI TRAILER 200A DISCONNECT	217 - 6 1/2"
NORMAL POWER	MDP	MRI TRAILER 200A DISCONNECT	343 - 2 1/8"
			560 - 8 3/4"

SHEET NOTES

- UNDERGROUND
- CONNECTOR TYPE:
MRI UNIT IS SUPPLIED WITH A 50-FOOT CABLE AND MALE CONNECTOR.
THE CONNECTOR IS A RUSSELLSTOLL 200 AMP PLUG
#DS250AMP000DF250FRAB0
- CUSTOMER FACILITY:
CONTRACTOR TO PROVIDE MATCHING RECEPTACLE AS SPECIFIED IN
ON SHEET EB DETAIL 1. RUSSELLSTOLL SERVICE OUTLET.
THE RECEPTACLE IS A RUSSELLSTOLL 200 AMP PLUG
A RUSSELLSTOLL #DF250FRAB0
- GROUND CONDUCTOR:
AN INSULATED GROUND CONDUCTOR SIZED IN ACCORDANCE WITH
NATIONAL, STATE, AND LOCAL CODES SHALL BE INSTALLED BETWEEN
THE FACILITY VAULT AND THE MRI SYSTEM GROUND BUS LOCATION IN
THE POWER DISTRIBUTION UNIT.
- SPECIAL GROUNDING NOTE:
IT IS RECOMMENDED THAT THE UNIT HAVE AN EARTH DRIVEN GROUND ROD WITHIN FIVE (5) FEET OF THE FACILITY POWER RECEPTACLE. A GROUND CABLE OF A MINIMUM OF 200 AWG IS RECOMMENDED TO BE CONNECTED BETWEEN THE GROUNDING ROD AND THE
GROUNDING PIN OF THE FACILITY POWER RECEPTACLE. ANOTHER CABLE TO BE KEPT AS SHORT AS POSSIBLE MAY ALSO BE CONNECTED
BETWEEN THE GROUND STUD ON THE INCOMING POWER DISTRIBUTION PANEL AND AN EARTH DRIVEN GROUND ROD. A SEPARATE
GROUNDING CONDUCTOR IS HIGHLY RECOMMENDED TO BE RUN WITH THE PHASE CONDUCTORS TO THE SOURCE OF POWER FROM THE
GROUNDING PIN OF THE FACILITY POWER RECEPTACLE IN ACCORDANCE WITH NEC 2017 ARTICLE 250-24

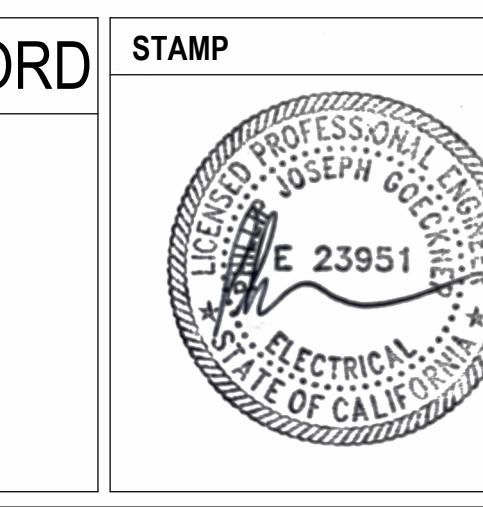


① LEVEL 01 - SITE POWER CONDUITS
3/64" = 1'-0"

ITEM	NO.	DATE	DESCRIPTION
1	1	4/19/23	ELECTRICAL PERMIT SET

CONSULTANT	
	HELIX ELECTRIC CONSTRUCTORS • ENGINEERS 4795 Ronden Drive San Diego, CA 92121 (888) 333-0505 FAX (888) 333-0737

ARCHITECT/ENGINEER OF RECORD	
A/E:	LANTZ-BOGGIO Architects & Interior Designers 9550 DTC Pkwy, Suite 200 Englewood CO 80111 Ph: 303.773.0436



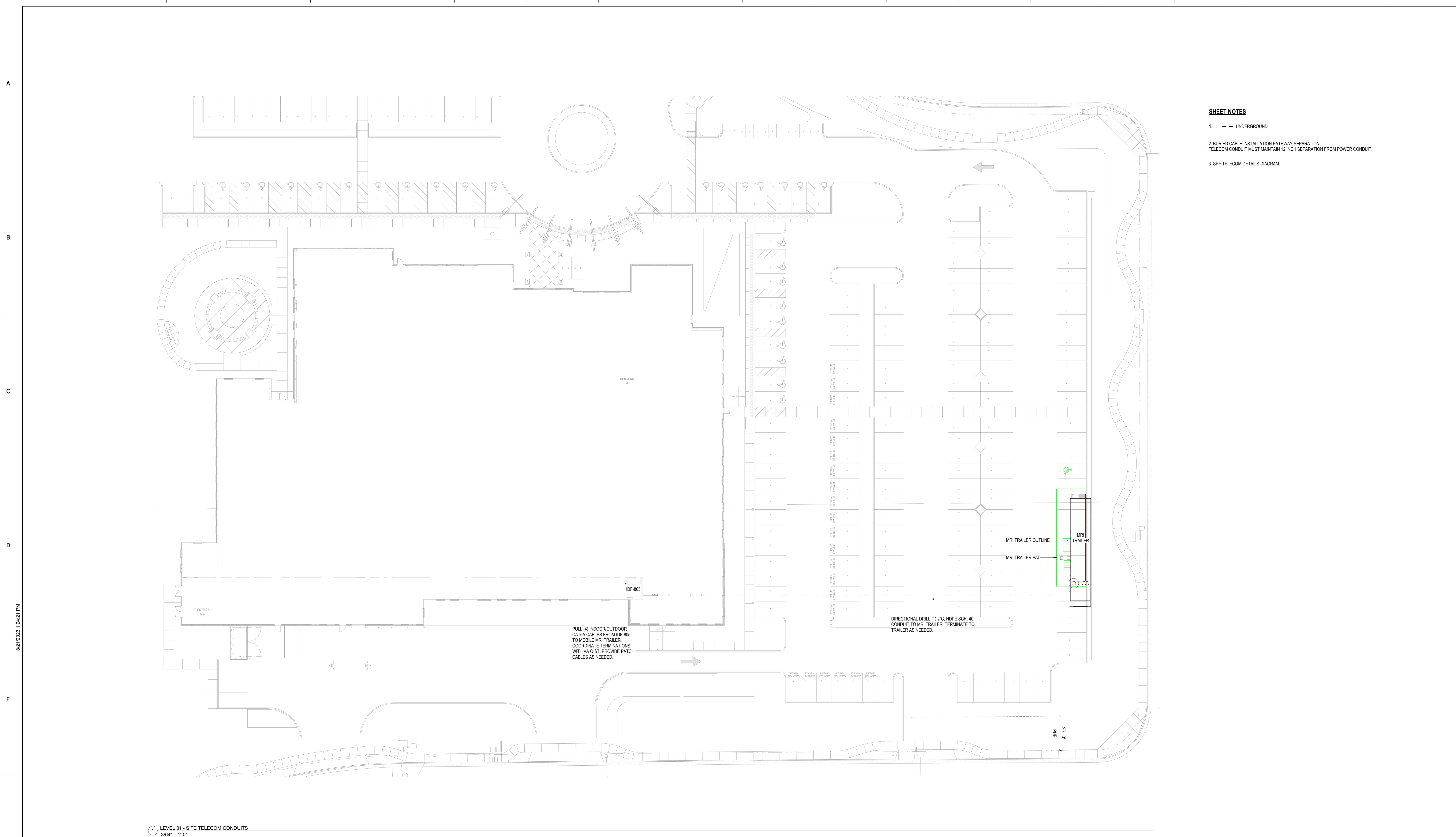
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	Phase	ISSUED FOR 100% VA REVIEW
SITE - POWER CONDUITS		

Approved:

Project Title	Project Number
Santa Rosa MRI Trailer	
Location	
SANTA ROSA CALIFORNIA	
Issue Date	Checked
4/19/23	ES
	Drawn
	AN

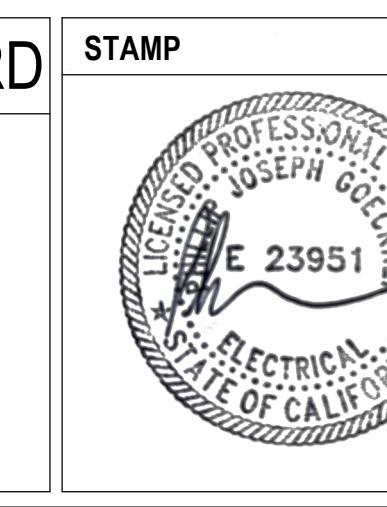
E1.1



ITEM	NO.	DATE	DESCRIPTION
1	1	4/19/23	ELECTRICAL PERMIT SET

CONSULTANT	
	HELIX ELECTRIC CONSTRUCTORS • ENGINEERS 4795 Ronden Drive San Diego, CA 92121 Ph: (888) 333-0505 Fax: (888) 333-0757

ARCHITECT/ENGINEER OF RECORD	
A/E:	LANTZ-BOGGIO Architects & Interior Designers 9550 DTC Pkwy, Suite 200 Englewood, CO 80111 Ph: 303.773.0436

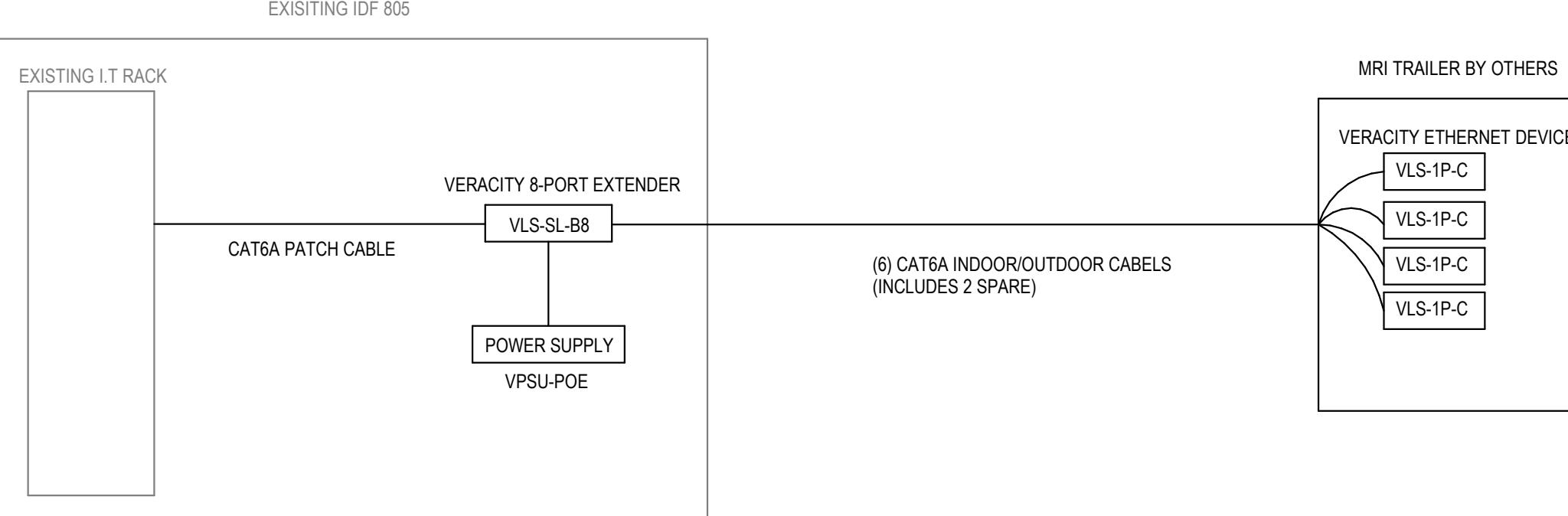


Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	Phase
SITE - TELECOM CONDUITS	ISSUED FOR 100% VA REVIEW

Approved:

Project Title	Santa Rosa MRI Trailer
Building Number	
Drawing Number	
Issue Date	4/19/23
Checked	
Drawer	
Author	

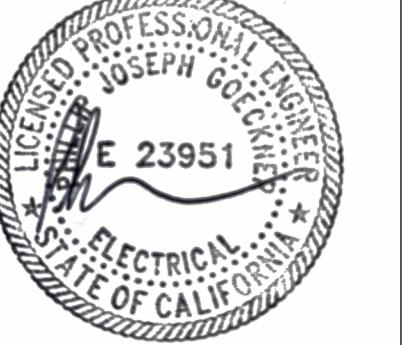


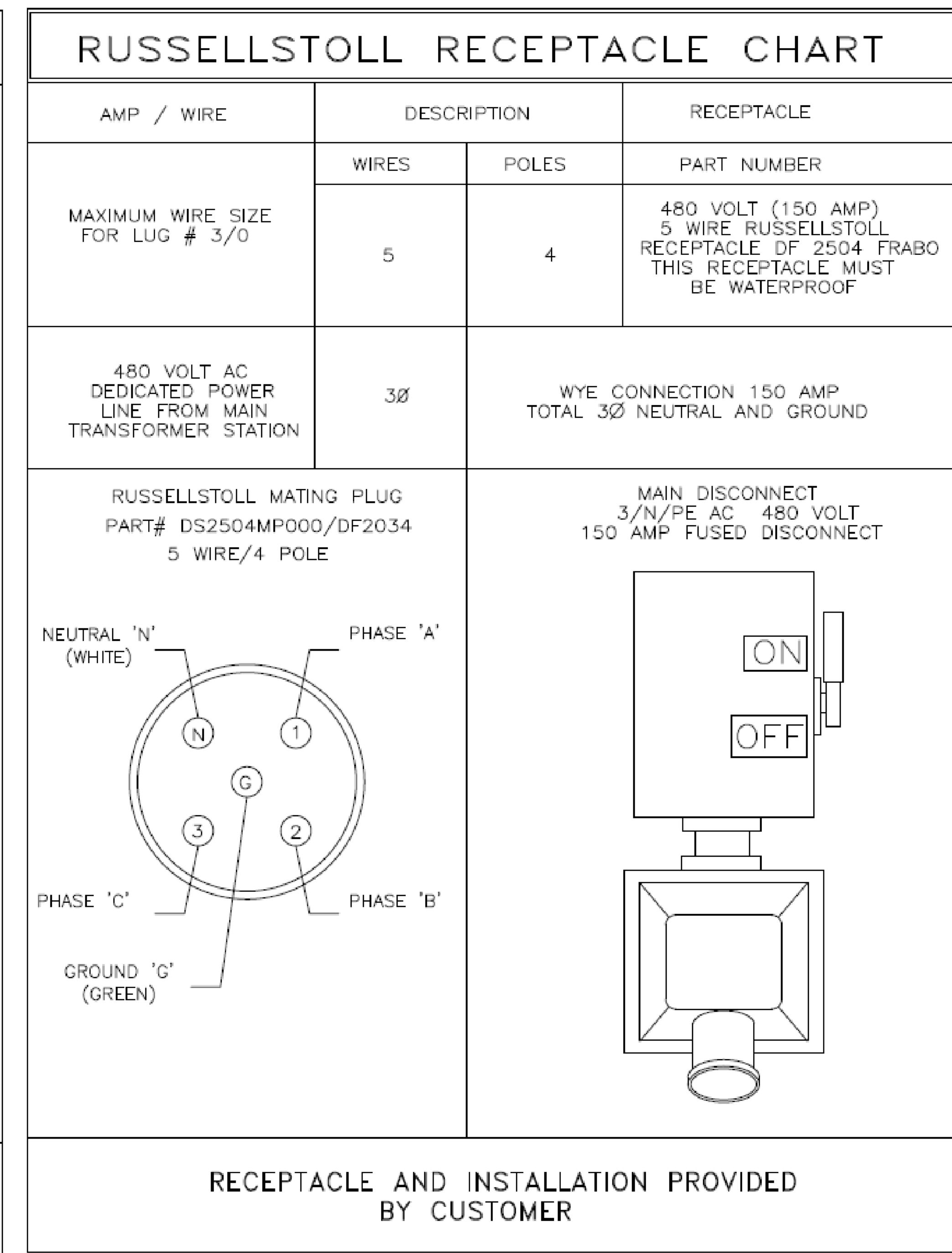
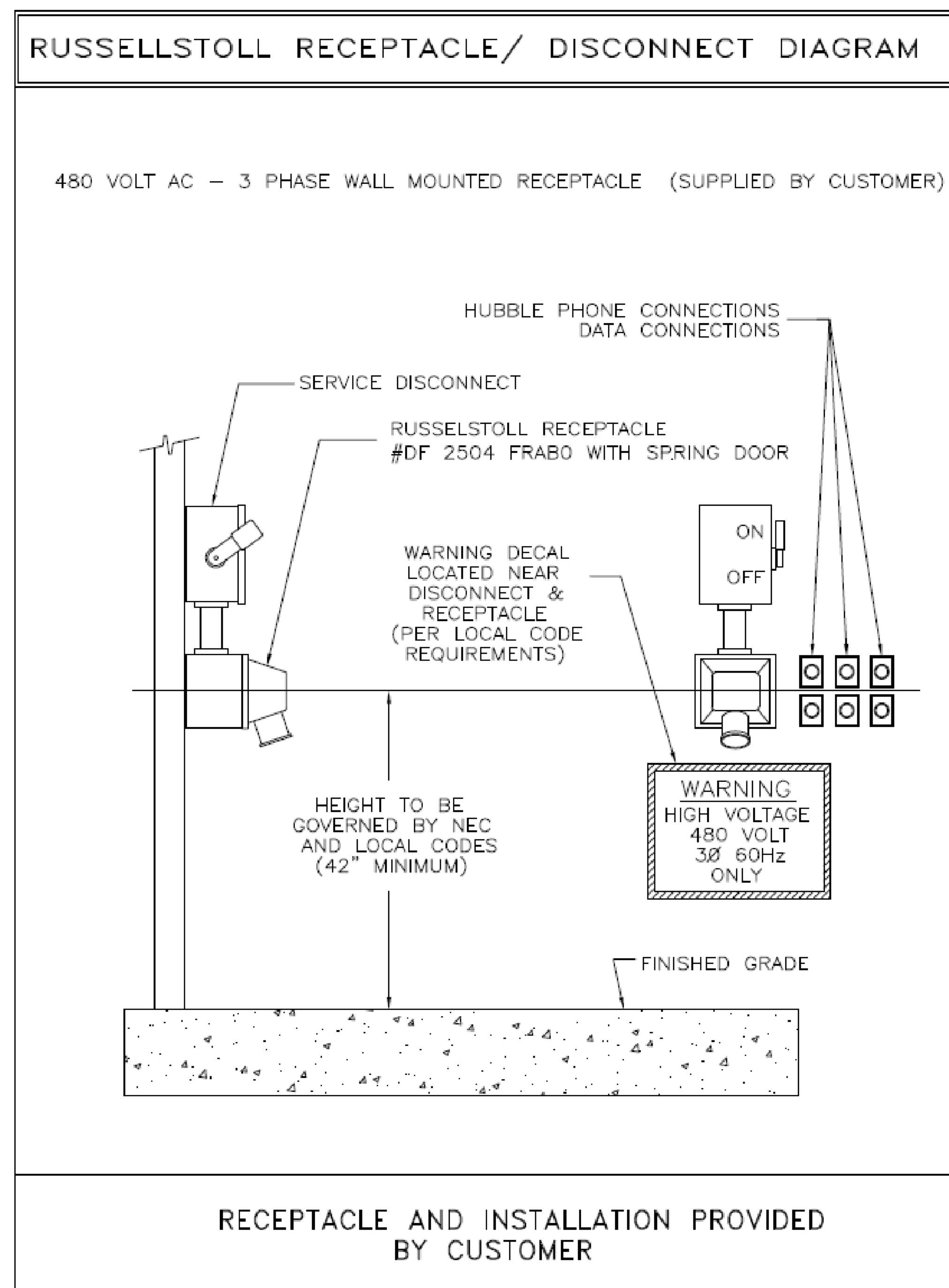
NOTES:

1. EXTENDER REQUIRES 120V POWER. UTILIZE EXISTING WALL OUTLET FOR POWER.
2. INTENT IS TO PROVIDE A FULLY FUNCTIONAL AND TURNKEY TELECOM INFRASTRUCTURE AND EQUIPMENT SOLUTION TO SERVICE THE MOBILE MRI TRAILER.
3. PROVIDE ALL NECESSARY ANCILLARY ITEMS AS NECESSARY TO FULFILL THE DESIGN INTENT.
4. PROVIDE ADDITIONAL PATCH PANEL IF NO AVAILABLE PATCH CORD POSITIONS ARE AVAILABLE.
5. COORDINATE WITH VA IT FOR PATCH CABLE AND PATCH PANEL POSITIONING. UTILIZE EXISTING IDF 805 CABLE TRAY AND AVAILABLE LADDER RACK TO PROVIDE AN ORGANIZED AND PROFESSIONAL INSTALLATION.
6. PROVIDE DETER MRJ-POE (OR EQUAL) SURGE PROTECTION DEVICE FOR ALL CABLES (ONE DEVICE AT EACH HEAD AND TAIL END).

① TELECOM DIAGRAM
NTS

8/21/2023 12:21 PM
BIM-3401-TEGXXX - Santa Rosa MRI Trailer/IVASR_MRI_TRAILER-R201M

ITEM	NO.	DATE	DESCRIPTION	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
ELECTRICAL PERMIT SET				A/E:		VA		ISSUED FOR 100% VA REVIEW		Santa Rosa MRI Trailer	
				HELIK ELECTRIC		U.S. Department of Veterans Affairs				Building Number	
1	1	4/19/23			LANTZ-BOGGIO Architects & Interior Designers 9550 DTC Pkwy, Suite 200 Englewood, CO 80111 Ph: 303.773.0436		Office of Construction and Facilities Management	TELECOM DETAILS			
							Approved:			Location	SANTA ROSA CALIFORNIA
										Issue Date	4/19/23
										Checked	Checker
										Drawn	Author
										Drawing Number	E6

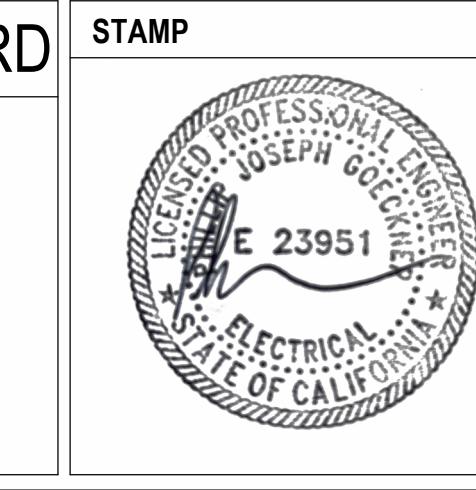


① RUSSELLSTOLL RECEPTACLE AND DISCONNECT DIAGRAM DETAILS
NTS

ITEM	NO.	DATE	DESCRIPTION
1	1	4/19/23	ELECTRICAL PERMIT SET

CONSULTANT
 HELIX ELECTRIC CONSTRUCTORS • ENGINEERS 4795 Ronden Drive San Diego, CA 92121 Ph: (858) 555-0505 Fax: (858) 555-0757

ARCHITECT/ENGINEER OF RECORD
A/E: LANTZ-BOGGIO Architects & Interior Designers 9550 DTC Pkwy, Suite 200 Englewood CO 80111 Ph: 303.773.0436



Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
VA U.S. Department of Veterans Affairs	POWER DETAILS	ISSUED FOR 100% VA REVIEW	Santa Rosa MRI Trailer	

Approved:

Phase ISSUED FOR 100% VA REVIEW

Project Title Santa Rosa MRI Trailer

Location SANTA ROSA CALIFORNIA

Issue Date 4/19/23

Building Number

Drawing Number E8