

EARTHWORK AND FOUNDATION EXCAVATION

- SPECIAL INSPECTIONS ARE REQUIRED.
- THE CONTRACTOR SHALL PERFORM EARTHWORK AND FOUNDATION EXCAVATION WORK ACCORDING TO RECOMMENDATIONS IN THE FEBRUARY 12, 2021 GEOTECHNICAL ENGINEERING STUDY REPORT BY CONDOR EARTH (CONDOR) AND OTHER REQUIREMENTS SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL USE LIGHT COMPACTION EQUIPMENT TO COMPACT BACKFILL NEAR THE BACKSIDES OF STACKED ROCK RETAINING WALLS AND THEY SHALL TAKE CARE NOT TO MOVE/DEFLECT/DE-STABILIZE THE STACKED ROCK DURING BACKFILL PLACEMENT AND COMPACTION.

NEW STACKED ROCK RETAINING WALLS AND WALL IMPROVEMENTS

- INSPECTIONS ARE REQUIRED.
- THE CONTRACTOR SHALL FOLLOW CRITERIA IN THE FEBRUARY 12, 2021 GEOTECHNICAL ENGINEERING STUDY REPORT BY CONDOR AND OTHER CRITERIA SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL SUBMIT GEOTEXTILE FILTER FABRIC DATA AND A CONCRETE MIX DESIGN TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- THE GEOTEXTILE FILTER FABRIC SHALL BE NON-WOVEN - MIRAFI 1120N OR AN APPROVED EQUAL.
- THE CONTRACTOR SHALL PLACE THE GEOTEXTILE FILTER FABRIC ACCORDING TO THE MANUFACTURER GUIDELINES, INCLUDING GUIDELINES FOR 6-INCH-MIN OVERLAP LENGTHS.
- THE CONTRACTOR SHALL SHINGLE OVERLAPS IN A PROPER CONFIGURATION TO REDUCE BACKFILL MITIGATION THROUGH THE OVERLAP AND THROUGH STACKED ROCK.
- THE ENGINEER SHALL EVALUATE THE ROCKS FOR ADEQUATE ANGULARITY AND SIZE BEFORE PLACEMENT.
- THE CONTRACTOR SHALL PLACE THE ROCKS USING CALTRANS METHOD A FOR ROCK SLOPE PROTECTION.
- THE CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
 - 28-DAY COMPRESSIVE STRENGTH OF 2,000 POUNDS PER SQUARE INCH
 - NON-AIR-ENTRAINED
 - MAXIMUM WATER/CEMENT RATIO OF 0.67
 - MAXIMUM AGGREGATE SIZE OF 3/8-INCH
 - CEMENT CONFORMING TO PORTLAND TYPE II (ASTM C150)
- SEE EARTHWORK NOTES.

REINFORCED CAST-IN-PLACE CONCRETE

- SPECIAL INSPECTIONS ARE NOT REQUIRED FOR REINFORCED CONCRETE ELEMENTS SHOWN ON THESE DRAWINGS - DRILLED PIERS, MOORINGS, AND THICKENED CONCRETE SLABS OVER STACKED ROCK RETAINING WALLS. SEE BSE DRAWINGS FOR SPECIAL INSPECTION AND OTHER CONSTRUCTION REQUIREMENTS FOR OTHER REINFORCED CONCRETE CONSTRUCTION.
- THE DESIGN COMPRESSIVE STRENGTH OF THE CONCRETE IS 2,500 PSI AT 28 DAYS.
- THE CONCRETE SHALL HAVE NO AIR ENTRAINMENT AND A MAXIMUM WATER/CEMENT RATIO SHALL BE 0.67.
- THE MAXIMUM AGGREGATE SIZE SHALL BE 1-INCH.
- CEMENT SHALL BE PORTLAND TYPE II CONFORMING TO ASTM C150.
- CONCRETE SHALL CONTAIN A WATER DISPERSING ADMIXTURE - APPROXIMATELY 3 TO 5 OUNCES PER SACK OF CEMENT OF GRACE WRDA 64 OR APPROVED EQUAL.
- SLUMP SHALL BE 1 TO 4 INCHES.
- REINFORCING BARS SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A615, INCLUDING SUPPLEMENT S1, AND CBC SECTIONS 1907 - 1908 OR ASTM A706 AT WELDED REINFORCEMENT CONDITIONS. LAP SPLICE AND DEVELOPMENT LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318-08, AS DOCUMENTED BY THE CRSI, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- LAP SPLICE AND DEVELOPMENT LENGTHS SHALL CONFORM TO ACI 318 AS DOCUMENTED BY THE CRSI UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

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S1.1	FOUNDATION DETAILS

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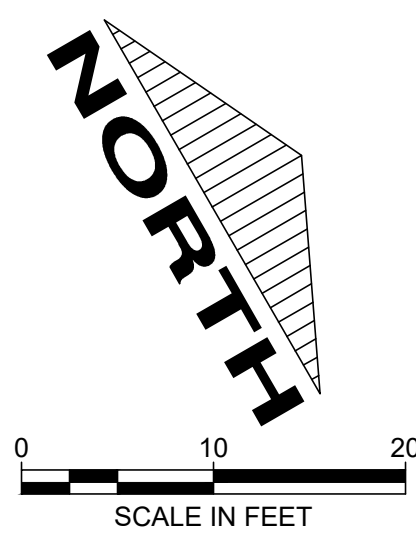
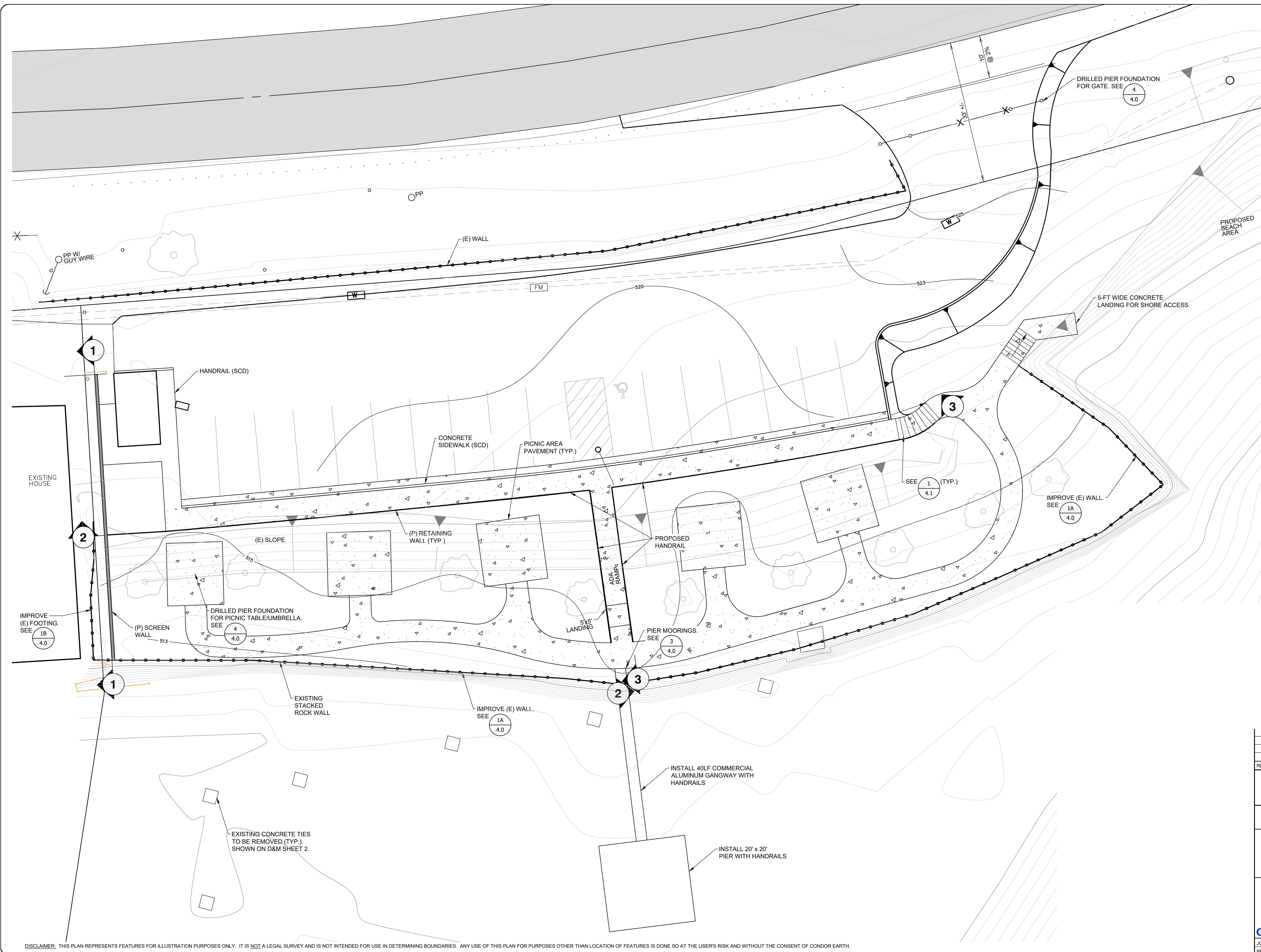
SYMBOLS	
	SECTION AND ELEVATION SECTION/ELEVATION/DETAIL IDENTIFICATION SECTION/ELEVATION/DETAIL LOCATION
	REVISION REVISION NUMBER AREA OF REVISION

ABBREVIATIONS:	
(E)	EXISTING
EF	EACH FACE
EG	EXISTING GROUND
EW	EACH WAY
FF	FINISH FLOOR GRADE
FG	FINISH GRADE
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
(P)	PROPOSED
R	PLATE OR PROPERTY LINE
SCD	SEE CIVIL DOCUMENTS
SG	SOIL SUBGRADE
TOF	TOP OF FOOTING
TYP	TYPICAL
TW	TOP OF WALL

REV#	DATE	BY	DESCRIPTION
1	03.19.2021	ASK	FOR BIDDING
0	02.26.2021	ASK	FOR PERMIT

TRI-DAM PROJECT		
TULLOCH DAY USE SITE		
COVER SHEET AND NOTES		
 21663 Brian Lane P.O. Box 3905 Sonora, CA 95370 (209) 532-0361 fax(209) 532-0773 www.condorearth.com	SHEET W1.0	
JOB#: 7262F	DRAWN: KGM	SCALE: AS SHOWN
PRINTED:	CHECKED: SWL	FILE: 7262F_1.0

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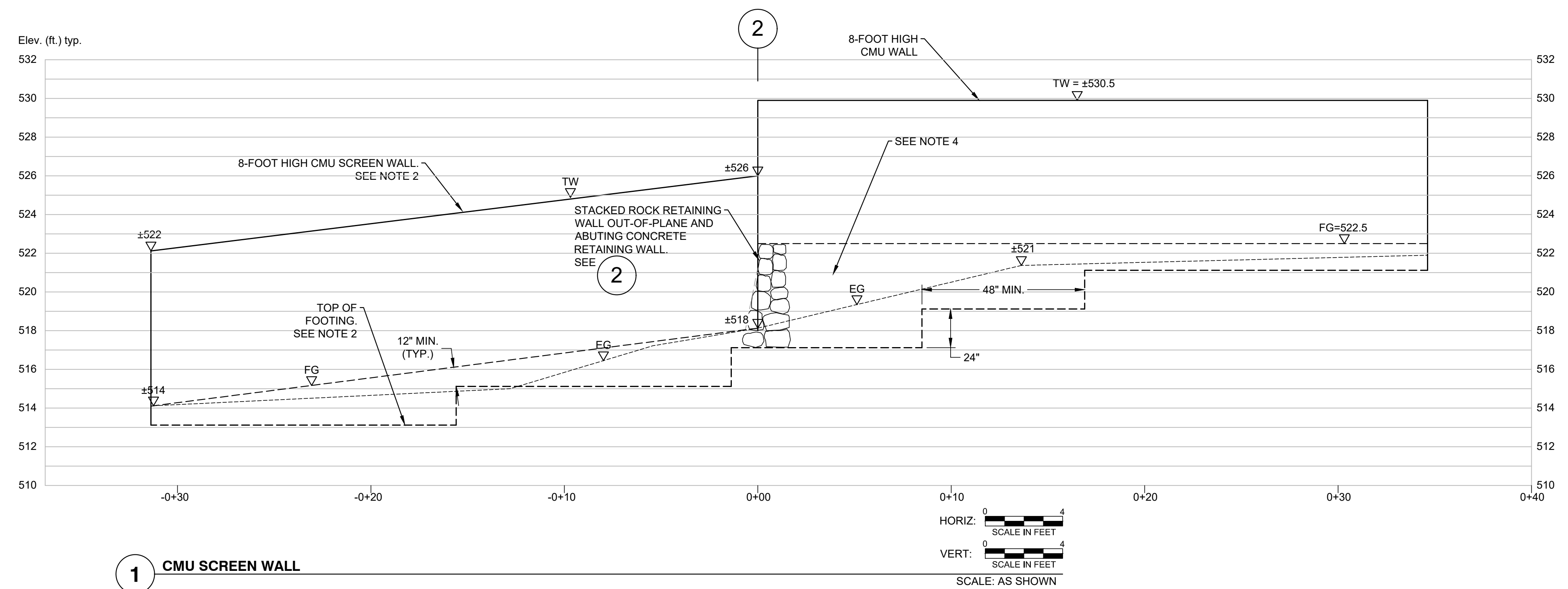
NOTES
 1. THE CONTRACTOR SHALL VERIFY FINAL GRADES AND LOCATIONS PRIOR TO CONSTRUCTION, SCD.



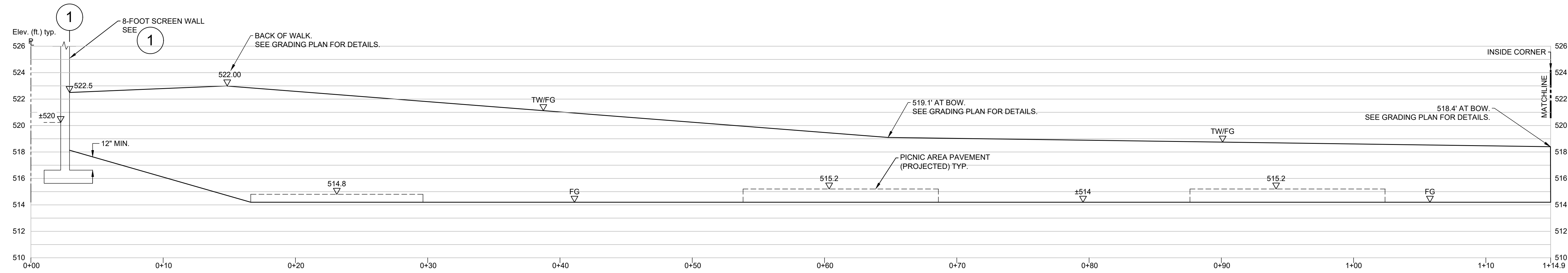
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0	02.26.2021	ASK	FOR PERMIT
REV#	DATE	BY	DESCRIPTION
TRI-DAM PROJECT			
TULLOCH DAY USE SITE			
SITE PLAN			
CONDOR EARTH 21663 Brian Lane P.O. Box 3905 Sonoma, CA 95370 (209) 532-0361 fax (209) 532-0773 www.condorearth.com			SHEET W2.0
JOB#:	7262F	DRAWN:	KGM
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DISCLAIMER: THIS PLAN REPRESENTS FEATURES FOR ILLUSTRATION PURPOSES ONLY. IT IS NOT A LEGAL SURVEY AND IS NOT INTENDED FOR USE IN DETERMINING BOUNDARIES. ANY USE OF THIS PLAN FOR PURPOSES OTHER THAN LOCATION OF FEATURES IS DONE SO AT THE USER'S RISK AND WITHOUT THE CONSENT OF CONDOR EARTH.

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1 CMU SCREEN WALL



2 SOUTHERN STACKED ROCK RETAINING WALL

- NOTES**
1. THE CONTRACTOR SHALL VERIFY EXISTING AND FINAL GRADES DURING CONSTRUCTION, SCD.
 2. SEE BSE DRAWINGS.
 3. THE CONTRACTOR SHALL STEP FOOTINGS ACCORDING TO BSE DRAWINGS. STEPS ARE SHOWN CONCEPTUALLY. THE CONTRACTOR SHALL REVISE STEPS DURING CONSTRUCTION. PROVIDE 12-INCH MINIMUM SOIL COVER AS SHOWN.
 4. FOOTING - SUPPORTED CAST-IN-PLACE CONCRETE RETAINING WALL BENEATH AND IN-PLANE WITH SCREEN WALL. SEE BSE DRAWINGS.



REV#	DATE	BY	DESCRIPTION
1	03.19.2021	ASK	FOR BIDDING
0	02.26.2021	ASK	FOR PERMIT

TRI-DAM PROJECT
TULLOCH DAY USE SITE
UNFOLDED ELEVATIONS

CONDOR EARTH
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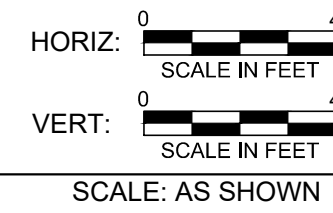
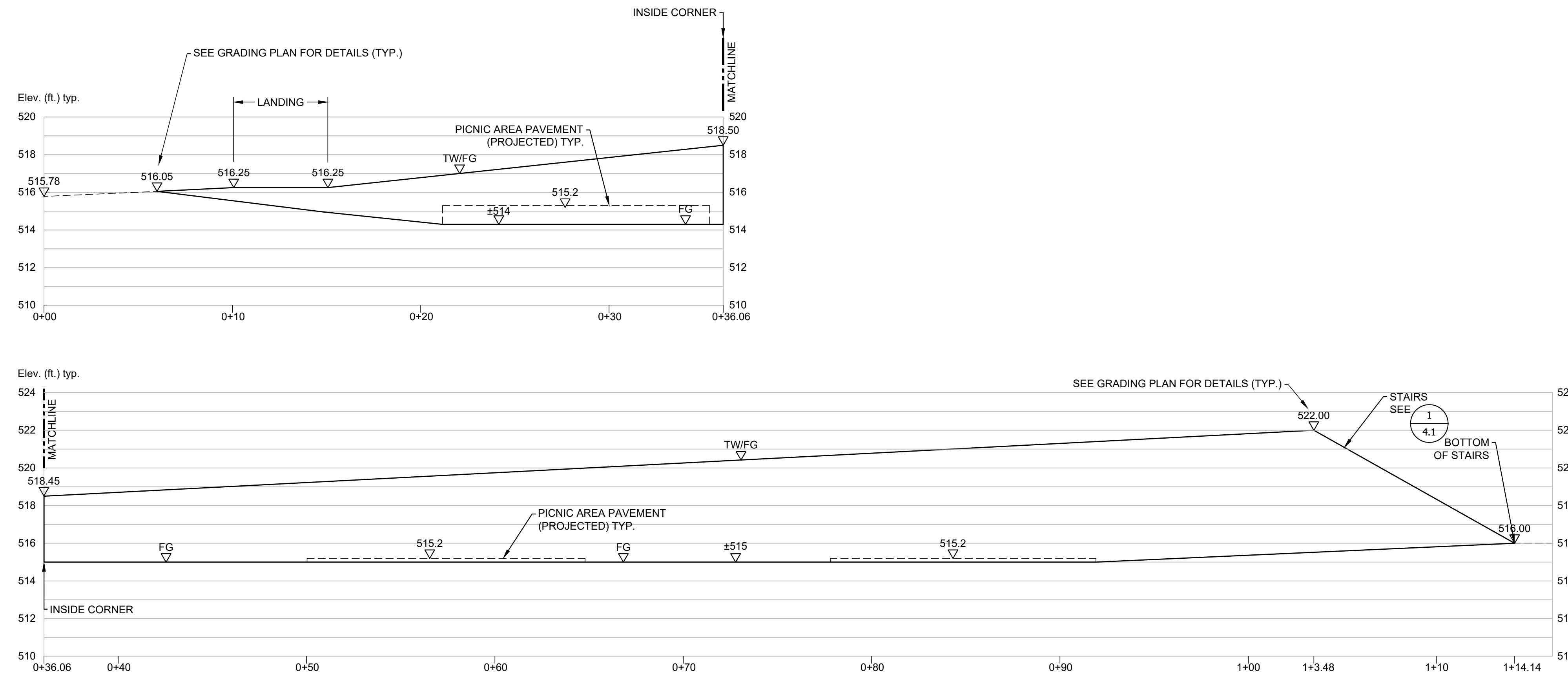
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NOTES

1. THE CONTRACTOR SHALL VERIFY EXISTING AND FINAL GRADES DURING CONSTRUCTION, SCD.



3 NORTHERN STACKED ROCK RETAINING WALL



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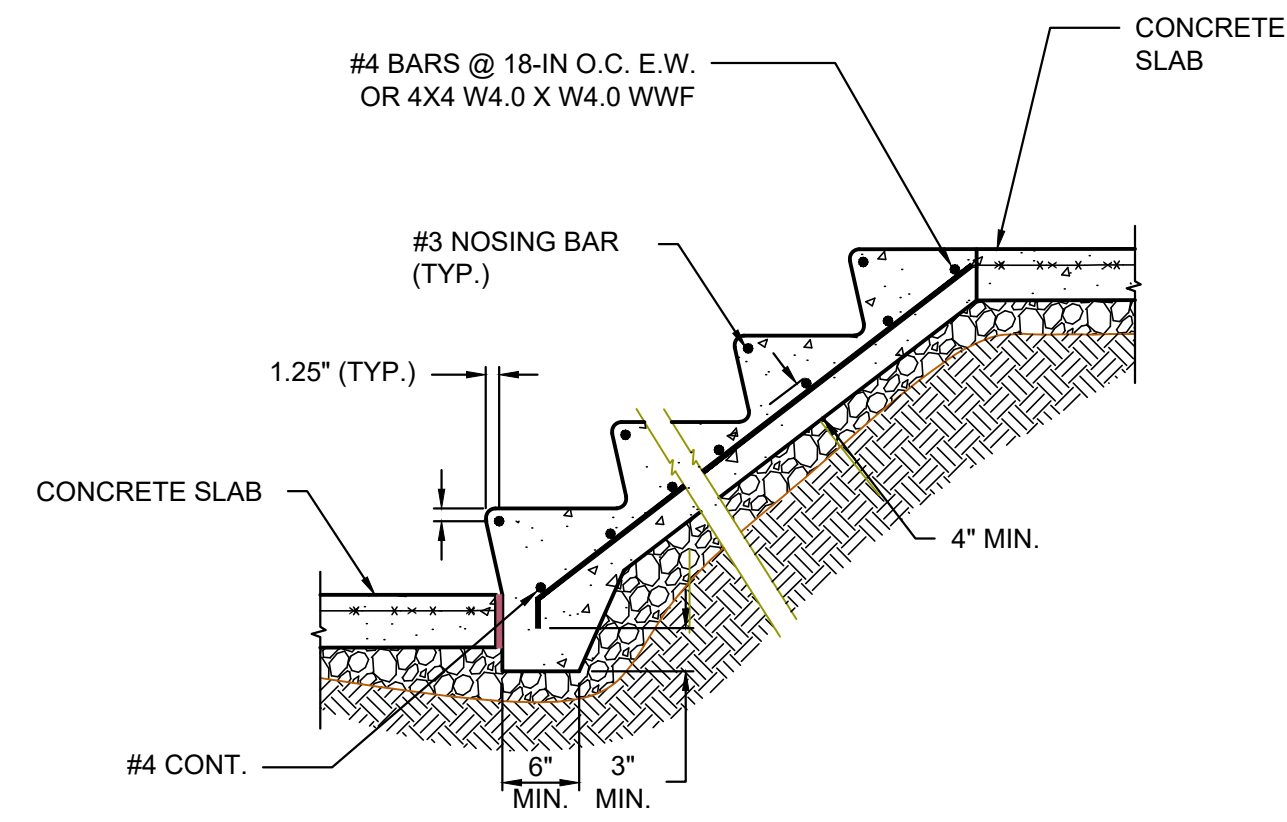
TRI-DAM PROJECT

TULLOCH DAY USE SITE

UNFOLDED ELEVATION

<p>CONDOR EARTH 21663 Brian Lane P.O. Box 3905 Sonora, CA 95370 (209) 532-0361 fax: (209) 532-0773 www.condorearth.com</p>	<p>SHEET W3.1</p>
	<p>JOB#: 7262F DRAWN: KGM SCALE: AS SHOWN PRINTED: CHECKED: SWL FILE: 766P_3.0</p>


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1 CONCRETE STAIRS
SECTION SCALE: N.T.S.



REV#	DATE	BY	DESCRIPTION
1	03.19.2021	ASK	FOR BIDDING
0	02.26.2021	ASK	FOR PERMIT

TRI-DAM PROJECT	
TULLOCH DAY USE SITE	
DETAILS	
 CONDOR EARTH 21663 Brian Lane P.O. Box 3905 Sonora, CA 95370 (209) 532-0361 fax: (209) 532-0773 www.condorearth.com	SHEET W4.1
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GENERAL
ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA BUILDING CODE (CBC).

CONCRETE
ALL CONCRETE SHALL BE PROPORTIONED TO PROVIDE THE PROPERTIES LISTED BELOW:

SPECIFIED CONCRETE STRENGTH	MAXIMUM WATER/CEMENT RATIO	NON-AIR ENTRAINED	AIR ENTRAINED
5000 PSI CONCRETE AT 28 DAYS	0.48	0.48	0.40
4000 PSI CONCRETE AT 28 DAYS	0.50	0.50	0.45
- AT SLABS-ON-GRADE	0.55	0.55	0.48
- ELSEWHERE	0.58	0.58	0.55
3000 PSI CONCRETE AT 28 DAYS	0.61	0.61	0.62

APPROXIMATELY 3 TO 5 OUNCES PER SACK OF CEMENT OF GCP WRDA 64 OR APPROVED EQUAL SHALL BE USED AS A WATER DISPERSING ADDITIVE. AT CONTRACTOR'S OPTION, AN AIR ENTRAINING AGENT CONFORMING TO THE LATEST REVISION OF ASTM SPECIFICATION C260 MAY BE ADDED TO THE CONCRETE TO PROVIDE SPECIFIED AMOUNTS OF ENTRAINED AIR. CEMENT SHALL CONFORM TO THE REQUIREMENTS FOR PORTLAND CEMENT OF ASTM C150 TYPE II (WHEN SULFATES ARE PRESENT IN SOIL, USE TYPE V CEMENT AND INCREASE CONCRETE STRENGTHS AS REQUIRED PER ACI 318 TABLES 19.3.1.1 & 19.3.2.1)

CONCRETE ELEMENTS	COMPRESSIVE STRENGTH (F'c)	AGGREGATE SIZE (MAX)	SLUMP (MAX)	AIR CONTENT
FOOTINGS	3000 PSI*	1 INCH	3 INCHES	1.5% ± 0.5%
WALKS, CURBS	2500 PSI	1 INCH	4 INCHES	4% ± 1.5%

* 2500 PSI USED FOR DESIGN

STRUCTURAL MASONRY
STRUCTURAL CONCRETE MASONRY UNITS (CMU) SHALL BE OPEN ENDED MEDIUM-HIGHT GRADE UNITS CONFORMING TO ASTM C90 AND CBC CHAPTER 21, AND SHALL PROVIDE A MINIMUM COMPRESSIVE STRENGTH (F'm) OF 2000 PSI. CONSTRUCTION TYPE SHALL BE RUNNING BOND, WITH ALL CELLS GROUTED SOLID, IN CONFORMANCE WITH CBC SECTION 2104. THE STANDARD WIDTH OF BOTH HORIZONTAL AND VERTICAL MORTAR JOINTS SHALL BE 3/8-INCH. CMU WALLS SHALL HAVE VERTICAL CONTROL JOINTS AT A SPACING APPROXIMATELY EQUAL TO THE WALL HEIGHT, BUT NOT TO EXCEED 20-FEET.

ALL PLACEMENT AND DETAILING OF REINFORCING STEEL SHALL SATISFY THE REQUIREMENTS OF CBC SECTION 2103.4. ALL VERTICAL REINFORCING STEEL IN WALLS AND COLUMNS SHALL BE LAPPED WITH STANDARD HOOKED DOVELLS OF THE SAME SIZE AND SPACING INTO THE FOOTING, UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BOLTS EMBEDDED IN THE CMU SHALL BE PLACED A MINIMUM OF 1/2 INCH CLEAR FROM THE INTERIOR UNIT FACE, AND SHALL HAVE A 3-INCH MINIMUM EMBEDMENT.

MORTAR
MORTAR SHALL CONFORM TO ASTM C270 TYPE M OR S AND CBC SECTIONS 2103 & 2104, AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS. MASONRY CEMENT MAY NOT BE USED IN MORTAR.

GROUT
GROUT SHALL BE COARSE GROUT CONFORMING TO ASTM C476 AND CBC SECTION 2103.3, AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH (F'c) OF 2000 PSI AT 28 DAYS. THE ALLOWABLE SLUMP RANGE SHALL BE FROM 3 INCHES TO 10 INCHES.

REINFORCING STEEL
BARS FOR REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A615, INCLUDING SUPPLEMENT S1, CBC CHAPTER 19, AND ACI 318 CHAPTER 20, OR ASTM A706 AT WELDED JOINTS. REINFORCEMENT CONDITIONS, LAP SPLICE AND DEVELOPMENT LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318, AS DOCUMENTED BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI), UNLESS SHOWN OTHERWISE ON THE DRAWINGS. REINFORCING FOR SHOTCRETE SHALL HAVE NON-CONTACT LAP SPLICES AS SPECIFIED BY THE CBC.

EPOXY ANCHORING SYSTEM IN MASONRY
EPOXY ANCHORING SYSTEM SHALL BE SYPSON SET-XP EPOXY ADHESIVE, OR AN APPROVED EQUAL, AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM C881 TYPE IV GRADE B, CLASS B OR C AND (IAPMO UES ER-0265). THE PROPORTIONS SHALL BE AS PER THE EVALUATION REPORT. DRILLING AND PREPARATION OF THE MASONRY, AS WELL AS INSTALLATION OF THE EPOXY AND ANCHORS SHALL ALSO BE PER THE EVALUATION REPORT.

SHOP DRAWINGS
SHOP DRAWINGS FOR REVIEW BY THE ENGINEER WILL BE REQUIRED AS FOLLOWS:
1. CONCRETE MIX DESIGNS
2. REINFORCING STEEL
3. SCOPE OF SPECIAL INSPECTIONS

CONTRACTOR SHALL SUBMIT THREE COPIES AND ONE SET OF REPRODUCIBLE DRAWINGS OR ELECTRONIC PDF FILES WHERE APPLICABLE FOR REVIEW, AND SHALL PROVIDE A MINIMUM REVIEW TIME OF 10 WORKING DAYS FROM TIME OF RECEIPT BY THE ENGINEER. CONTRACTOR REQUESTED REDUCTIONS TO MINIMUM REVIEW TIME MAY BE CONSIDERED; CONTRACTOR SHALL DIRECTLY REIMBURSE ENGINEER FOR ALL COSTS ASSOCIATED WITH ANY SUCH REDUCTION. NO ORDERING OR FABRICATION OF MATERIALS SHALL PROCEED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER.

REQUESTS FOR SUBSTITUTION
THE CONTRACTOR MAY SUBMIT A REQUEST FOR SUBSTITUTION (RFS) FOR SPECIFIED STRUCTURAL MATERIALS OR PRODUCTS FOR REVIEW BY THE ENGINEER. ANY SUCH RFS SHALL DOCUMENT THE ITEM(S) UNDER CONSIDERATION, THE EFFECTS OF SUBSTITUTION ON COST, PERFORMANCE AND SCHEDULE, AND SHALL INCLUDE RESPECTIVE APPROVAL(S) BY ICC OR RELATED AGENCIES. ALL COSTS INCURRED BY THE ENGINEER AS PART OF ANY RFS SUBMITTAL, SUCH FOR ADDITIONAL RESEARCH, REVIEW OR REDESIGN OF STRUCTURAL ELEMENTS OR SYSTEMS, SHALL BE DIRECTLY REIMBURSED BY THE CONTRACTOR.

EXISTING CONDITIONS
PRIOR TO ORDERING OR FABRICATING ANY MATERIAL, THE CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING FIELD DIMENSIONS AND CONDITIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEER. IN ADDITION, THE CONTRACTOR IS ALERTED TO THE POSSIBILITY THAT EXISTING STRUCTURAL MATERIALS UNSUITABLE FOR REUSE DUE TO DEGRADATION MAY BE DISCOVERED DURING THE COURSE OF CONSTRUCTION. THESE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL OF PROPOSED REPLACEMENT MATERIALS.

CONSTRUCTION LIABILITY
CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS; AND THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK IN THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

1 STRUCTURAL SPECIFICATIONS

GENERAL
THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK AND FOR ANY ADDITIONAL REQUIREMENTS OF THE BUILDING OFFICIAL WHERE APPLICABLE:

CONCRETE
PROVIDE INSPECTION DURING THE PLACEMENT OF ALL CONCRETE IN CONFORMANCE WITH CBC SECTIONS 1705.3 AND 1903, EXCEPT DURING THE INSTALLATION OF CONCRETE FOR NON-STRUCTURAL SLABS-ON-GRADE, STRUCTURAL CONCRETE DESIGNED FOR 2500 PSI, AND AS OTHERWISE EXCEPTED BY THE CBC.

GRADING, EXCAVATION & FILLING
PROVIDE PERIODIC INSPECTION DURING GRADING, EXCAVATION AND FILLING OPERATIONS AS SPECIFIED BY THE GEOTECHNICAL REPORT, AND IN CONFORMANCE WITH CBC SECTION 1705.6, UNLESS EXCEPTED BY CBC SECTION 1803.2

REINFORCING STEEL
PROVIDE CONFORMANCE WITH CBC SECTION AND TABLE 1705.3, AND 1705.12.1 WHERE PART OF THE SEISMIC FORCE-RESISTING SYSTEM, AND VERIFY THAT MILL CERTIFICATES INDICATE REINFORCING STEEL TO BE IN COMPLIANCE WITH PROJECT SPECIFICATIONS. PROVIDE PERIODIC OR CONTINUOUS INSPECTION AS REQUIRED OF THE PLACEMENT OF ALL REINFORCING STEEL FOR CONCRETE, SHOTCRETE, AND STRUCTURAL MASONRY THAT IS REQUIRED TO HAVE INSPECTION. PROVIDE CONTINUOUS INSPECTION DURING THE INSTALLATION OF ALL MECHANICAL COUPLING DEVICES.

STRUCTURAL MASONRY
PROVIDE INSPECTION DURING ALL MASONRY CONSTRUCTION IN CONFORMANCE WITH CBC SECTION 1705.4.

EPOXY ANCHORING SYSTEMS
INSPECT PERIODICALLY DURING ALL EPOXY ANCHORING INSTALLATIONS. ALL TESTS SHALL BE IN ACCORDANCE WITH CBC CHAPTER 17 AND RESPECTIVE ICC-ES REPORT(S). THE CONTRACTOR MUST SUBMIT A TEST REPORT TO THE ENGINEER AND THE LOCAL BUILDING DEPARTMENT.

SPECIAL INSPECTOR
THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS OR HER COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR OF RECORD MUST BE CERTIFIED BY INTERNATIONAL ACCREDITATION SERVICE (IAS), AND SHALL FURNISH A SPECIAL INSPECTION PROPOSAL OR STATEMENT OF SPECIAL INSPECTIONS BASED UPON THE APPLICABLE DESIGN DRAWINGS, SPECIFICATIONS, AND SPECIAL INSPECTION REQUIREMENTS DESCRIBED HEREIN IN CONFORMANCE WITH CBC CHAPTER 17.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR
THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE DESIGN DRAWINGS, SPECIFICATIONS AND SPECIAL INSPECTION PROGRAM AS DEFINED BY CBC SECTION 1704, AS WELL AS SECTION 1703.11 FOR WIND RESISTANCE AND 1703.12 FOR SEISMIC RESISTANCE. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE, THE ARCHITECT OR PROJECT MANAGER, THE ENGINEER, THE CONTRACTOR, AND OTHER PERSONS DESIGNATED BY THE OWNER OR OWNER'S REPRESENTATIVE. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CBC AS REQUIRED BY CBC SECTION 1704.2.4.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR
CONTRACTOR SHALL REVIEW AND COMPLY WITH CONTRACTOR RESPONSIBILITIES FOR SPECIAL INSPECTION AS DEFINED BY CBC SECTION 1704.4.

2 SPECIAL INSPECTIONS

1. PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON:
- 2019 CALIFORNIA BUILDING CODE
- ASCE STANDARD 7-16
- GEOTECHNICAL REPORT BY CONDOR EARTH TECHNOLOGIES, PROJECT No. T262F, DATED FEBRUARY 12, 2021

2. DESIGN DATA IS AS FOLLOWS:

LATERAL
WIND PRESSURE: ASCE 7-16, ENVELOPE PROCEDURE (PART 1)
 $F_s = q_h \cdot G \cdot C_f$
 $q_h = 0.00256 K_z K_{zt} K_d K_e V^2$
h = 15' MAX
K_z = 0.85
K_{zt} = 1.0
K_d = 0.85
K_e = 1.00
V = 45 MPH FOR RISK CATEGORY II BUILDINGS AND OTHER STRUCTURES
G = 0.85
C_f = 1.3

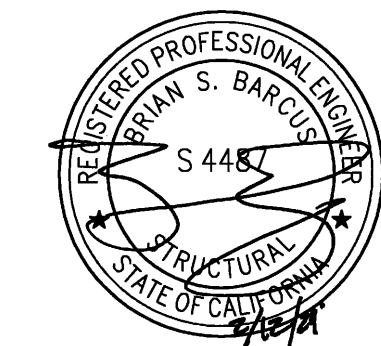
FOUNDATIONS
BEARING PRESSURES: 2600 PSF (DEAD + LIVE LOADING)
3350 PSF (DEAD + LIVE + SEISMIC/WIND LOADING)
FRICTION COEFFICIENT: 0.35
EQUIVALENT PASSIVE PRESSURE: 250 PCF
EQUIVALENT ACTIVE PRESSURE: 40 PCF

3 PROJECT DATA

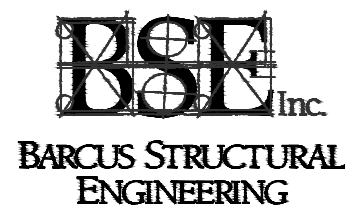
AB	ANCHOR BOLT	EN	EDGE NAILING	FJP	PARTIAL JOINT
ADJ	ADJUSTABLE	ELEV	ELEVATION	PLY(MD)	PLYWOOD
ABV	ABOVE	ENGR	ENGINEER	PSF	POUNDS PER SQUARE FOOT
ADD'L	ADDITIONAL	EQ	EQUAL	PSI	POUNDS PER SQUARE INCH
ACI	AMERICAN CONCRETE INSTITUTE	EXIST (E)	EXISTING	PRESS	PRESSURE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FIN	FINISH	FT	FOOTING
AISC	AMERICAN INSTITUTE OF STEEL CONSTR.	FLR	FLOOR	R	RADIUS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	FTG	FOOTING	REINF	REINFORCING
ARCH'L	ARCHITECTURAL	FDN	FOUNDATION	REQ'D	REQUIRED
BM	BEAM	FRMS	FRAMING	RM	ROOM
BD	BOARD	FS	FAR SIDE	SCHED	SCHEDULE
BLK	BLOCK	GA	GAUGE	SHTG	SHEATHING
BLKG	BLOCKING	GLV	GALVANIZED	SHT	SHEET
BOT	BOTTOM	GLB	GULFAM BEAM	SIM	SIMILAR
BLDG	BUILDING	GRD	GRADE	SLRS	SEISMIC LOAD RESISTING SYSTEM
BN	BOUNDARY NAILING	HDR	HANGER	SMF	SPECIAL MOMENT FRAME
CBC	CALIFORNIA BUILDING CODE	HDR	HEADER	SPEC	SPECIFICATION
CLS	CEILING	HT	HEIGHT	SS	SELECT STRUCTURAL STEEL STUD
CLR	CLEAR	HS	HIGH STRENGTH	SSMA	STEEL STUD MANUFACTURER'S ASSOCIATION
COL	COLUMN	HORIZ	HORIZONTAL	STGR	STAGGERED
CMU	CONCRETE MASONRY UNIT	IN	INCH	STD	STANDARD
CJ	CONSTRUCTION JOINT	ID	INSIDE DIAMETER	STL	STEEL
CJP	COMPLETE JOINT PENETRATION	INT	INTERIOR	STIFF	STIFFENER
CONC	CONCRETE	JST	JOIST	STRUCT	STRUCTURAL
CONN	CONNECTION	LAM	LAMINATED	SQ	SQUARE
CONST	CONSTRUCTION	LT WT	LIGHT WEIGHT	SYM	SYMMETRICAL
CONT	CONTINUOUS	MAS	MASONRY	THK	THICK
CSK	COUNTERSINK	MAX	MAXIMUM	TOS	TOP OF SLAB/STEEL TO TOP OF UNLESS NOTED OTHERWISE
DEMO	DEMOLISH/DEMOLITION	MB	MACHINE BOLT	UNO	UNO
DET	DETAIL	MBM	METAL BUILDING MANUFACTURER	VERT	VERTICAL
DIA	DIAMETER	MTL	METAL	WT	WEIGHT
DIM	DIMENSION	MIN	MINIMUM	W/W	WELDED WIRE FABRIC
DBL	DOUBLE	NEW	NEW	W/W	WELDED WIRE MESH
DWG	DRAWING	NTS	NOT TO SCALE	WF	WIDE FLANGE
EA	EACH	NO OR #	NUMBER	W/	WITH
EF	EDGE FASTENING	NS	NEAR SIDE		
		OG	ON CENTER		
		OPNS	OPENING		
		OPF	OPPOSITE		
		OD	OUTSIDE DIAMETER		
		OWSJ	OPEN-WEB STEEL JOIST		
		PAF	POWER ACTUATED FASTENER		
		P	PLATE		
		PENNY(d)	NAILS SIZE		

4 ABBREVIATIONS

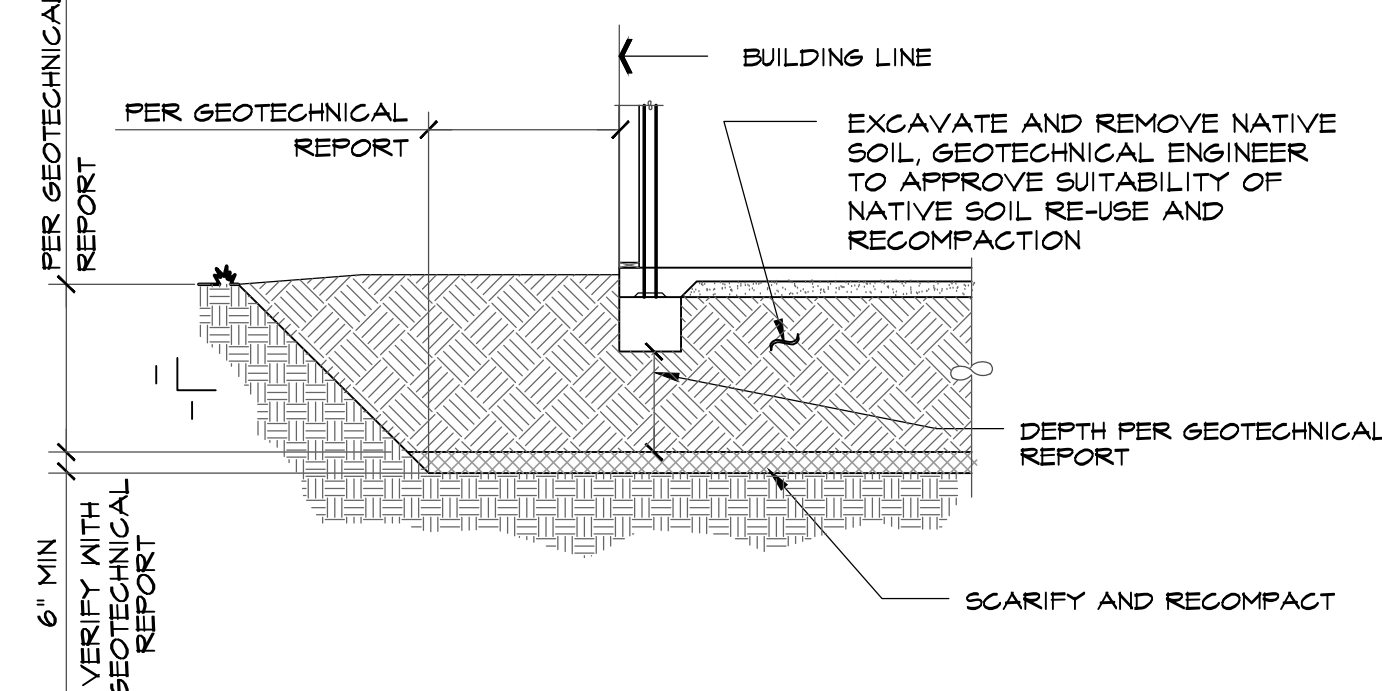
0	02-12-2021	ASK	FOR PERMIT
REV#	DATE	BY	DESCRIPTION
TRI-DAM PROJECT			
TULLOCH DAY USE SITE			
STRUCTURAL SPECIFICATIONS & PROJECT DATA			
CONDOR EARTH		SHEET	
21663 Brian Lane P.O. Box 3905 Sonora, CA 95370 (209) 532-0361 fax(209) 532-0773 www.condorearth.com		S1.0	
JOB#:	20CTE-07	DRAWN:	MRH
PRINTED:	02-12-21	CHECKED:	KJN
SCALE:	AS SHOWN	FILE:	STRUCTURAL SPECS & PROJECT DATA



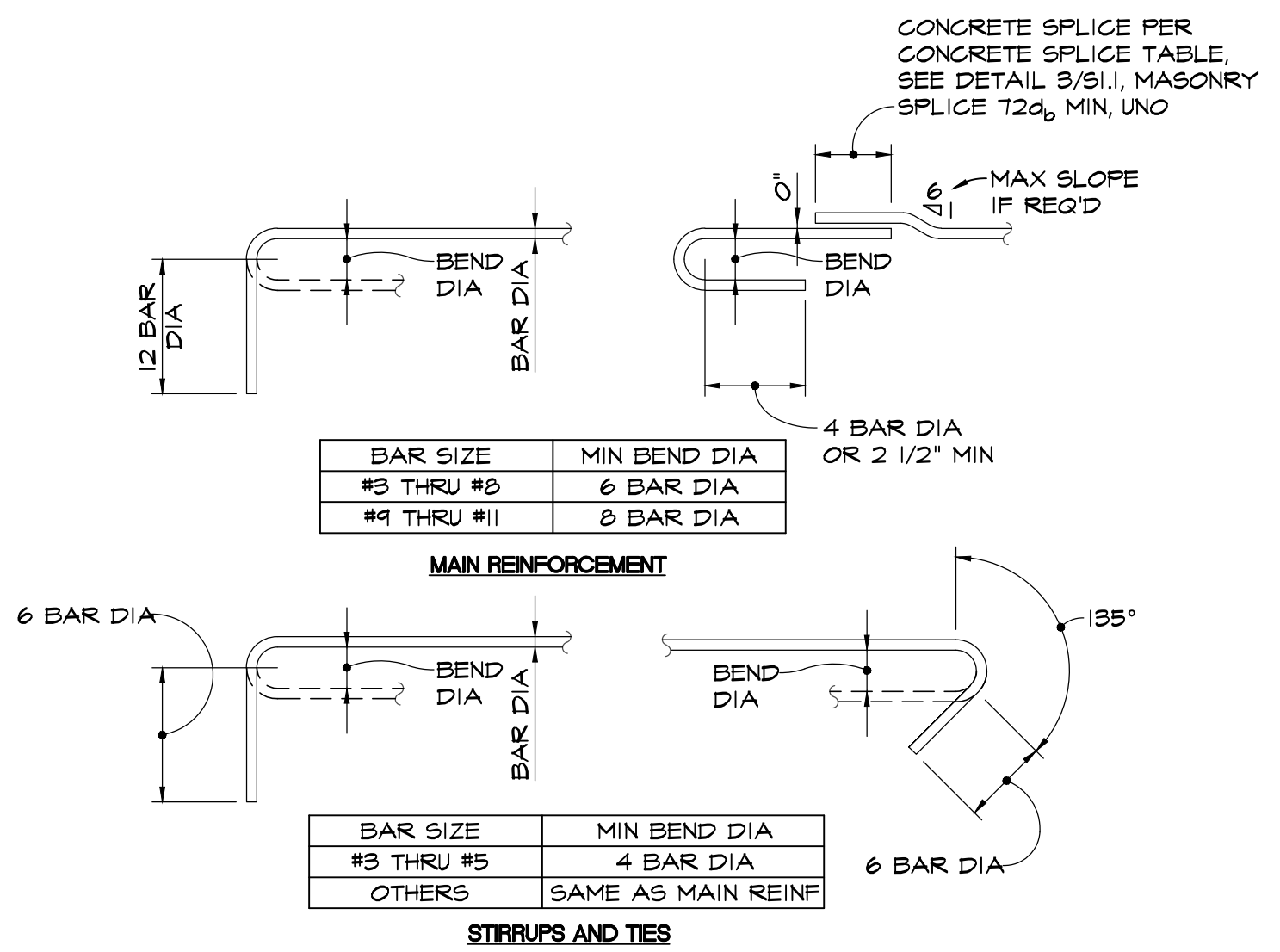
7600 North Palm Avenue
Suite 200 / Fresno, CA 93711
office 559.261.8585
fax 559.261.8580
website www.BarcusInc.com



- NOTES:**
1. REMOVE AND STRIP ALL SURFACE ORGANIC MATERIAL
 2. EXCAVATE AND REMOVE NATIVE SOIL INDICATED, SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS
 3. REVIEW WITH GEOTECHNICAL ENGINEER FOR ANY ADDITIONAL REMOVAL
 4. SCARIFY MOISTURE CONDITION AND RECOMPACT AT BOTTOM OF EXCAVATION IN ACCORDANCE WITH ASTM D1557
 5. RETURN EXCAVATED SOIL W/ ENGINEERED FILL MATERIAL, WITH APPROVAL FROM GEOTECHNICAL ENGINEER, AND RECOMPACT PER GEOTECHNICAL REPORT
 6. DETAIL SIMILAR WHERE EXTERIOR FLATWORK/WALK(S) OCCUR
 7. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS



1 OVEREXCAVATION DETAIL
NTS



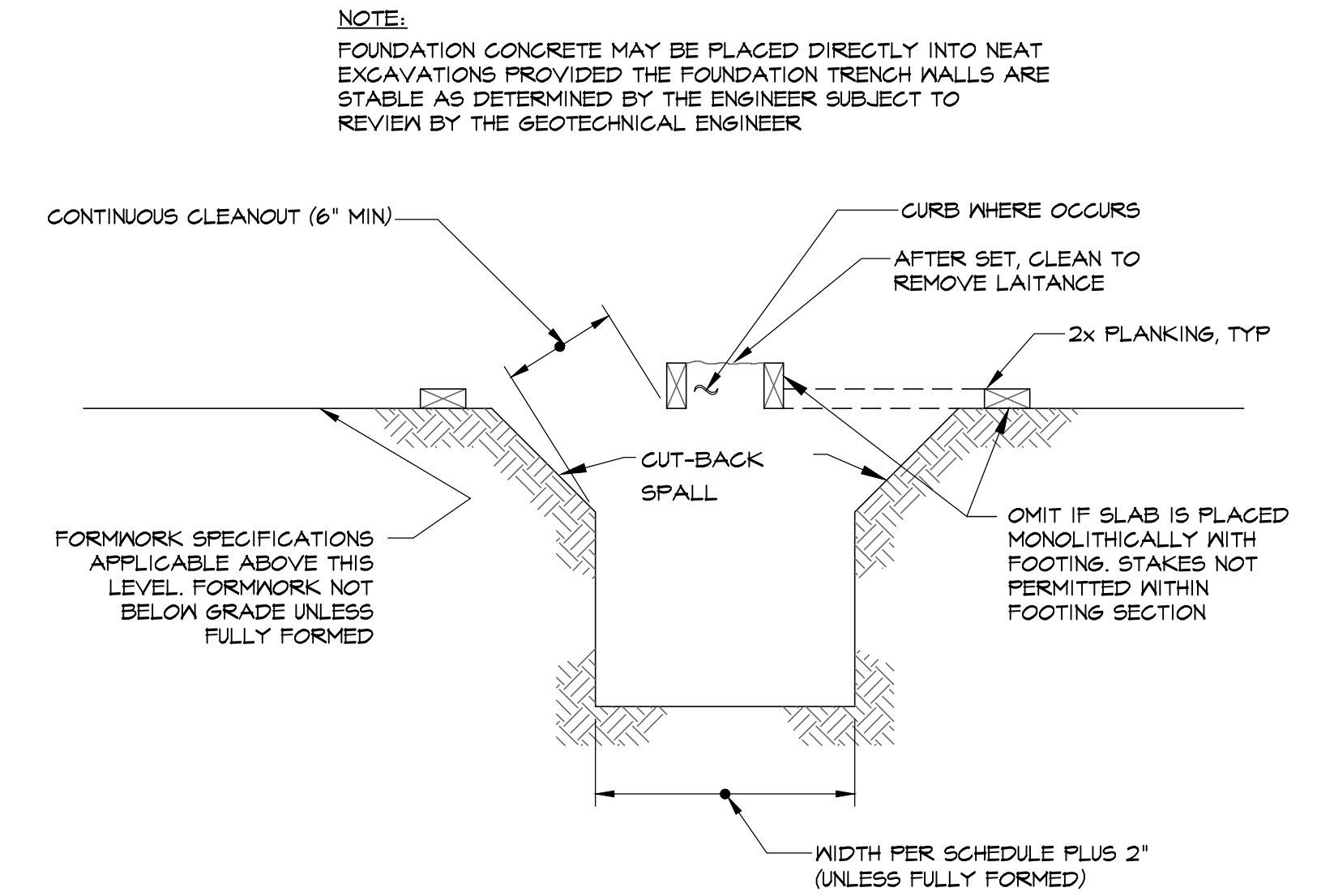
NOTE:
MINIMUM BAR REINFORCING HOOKS AND BENDS SHOWN, REFER TO STRUCTURAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, TYPICAL

2 TYPICAL BAR BENDS
3/4" = 1'-0"

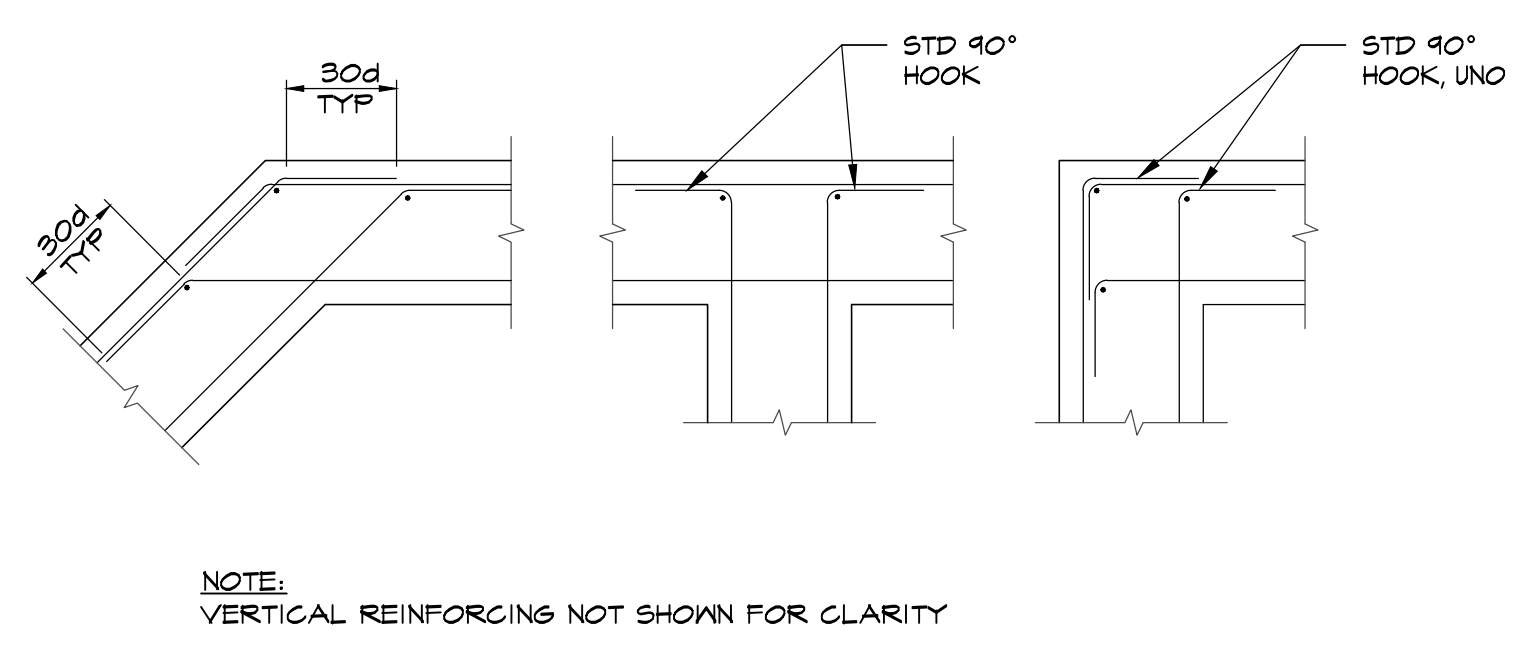
BAR SIZE	LAP CLASS	$f'_c = 3,000$ psi				$f'_c = 4,000$ psi			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	B	28	42	22	32	24	36	19	28
#4	B	31	56	24	43	32	48	25	37
#5	B	47	70	36	54	40	60	31	47
#6	B	56	84	43	64	48	72	37	56
#7	B	81	122	63	94	70	106	54	81
#8	B	93	134	72	107	80	121	62	93
#9	B	105	151	81	121	91	136	70	105
#10	B	118	177	91	136	102	153	74	118

CONCRETE LAP SPLICE LENGTHS

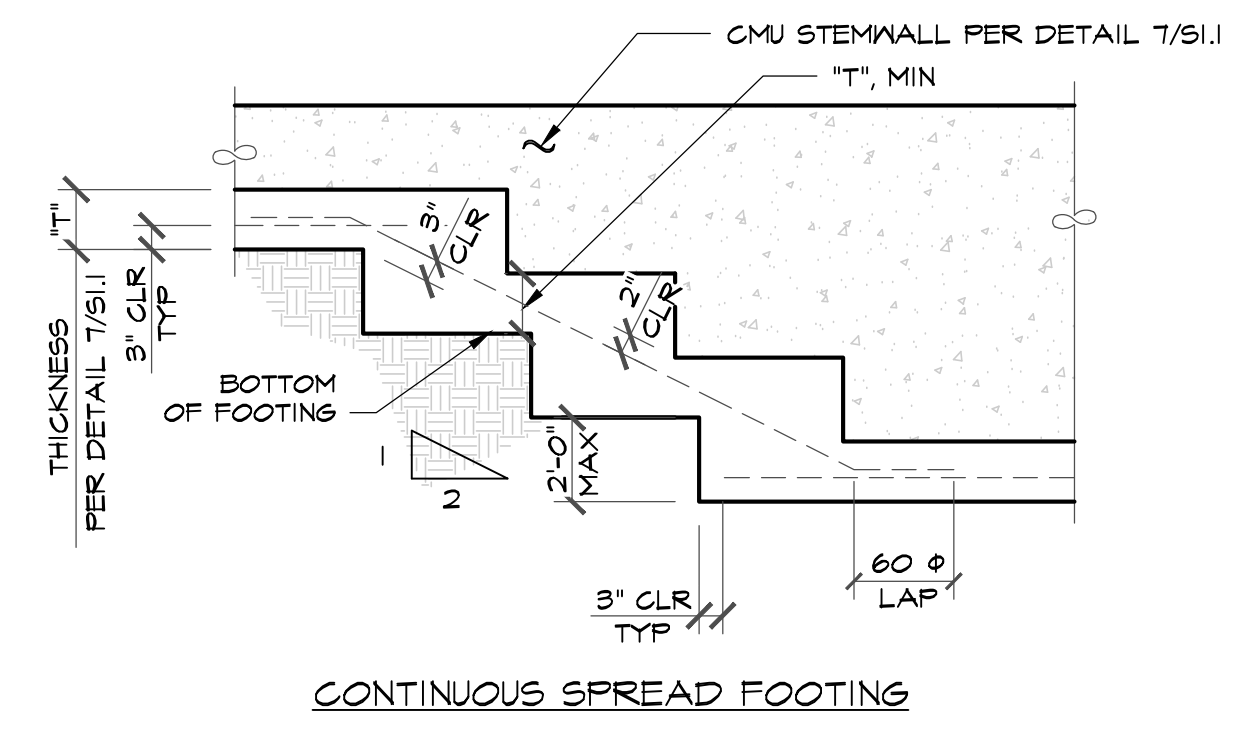
1. ALL LENGTHS ABOVE ARE IN INCHES
2. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:
BEAMS OR COLUMNS: CASE 1: COVER AT LEAST $1.0d$, AND C-C SPACING AT LEAST $2.0d$
CASE 2: COVER LESS THAN $1.0d$ OR C-C SPACING LESS THAN $2.0d$
ALL OTHERS: CASE 1: COVER AT LEAST $1.0d$, AND C-C SPACING AT LEAST $3.0d$
CASE 2: COVER LESS THAN $1.0d$ OR C-C SPACING LESS THAN $3.0d$
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS
4. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY TABULATED VALUES BY 1.3
5. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING:
CONCRETE COVER AND SPACING: COVER < $3.0d$ OR C-C SPACING < $7.0d$: TOP BARS 1.7/1.3 = 1.31, OTHER BARS 1.50
COVER > $3.0d$ AND C-C SPACING > $7.0d$: TOP BARS 1.20, OTHER BARS 1.20



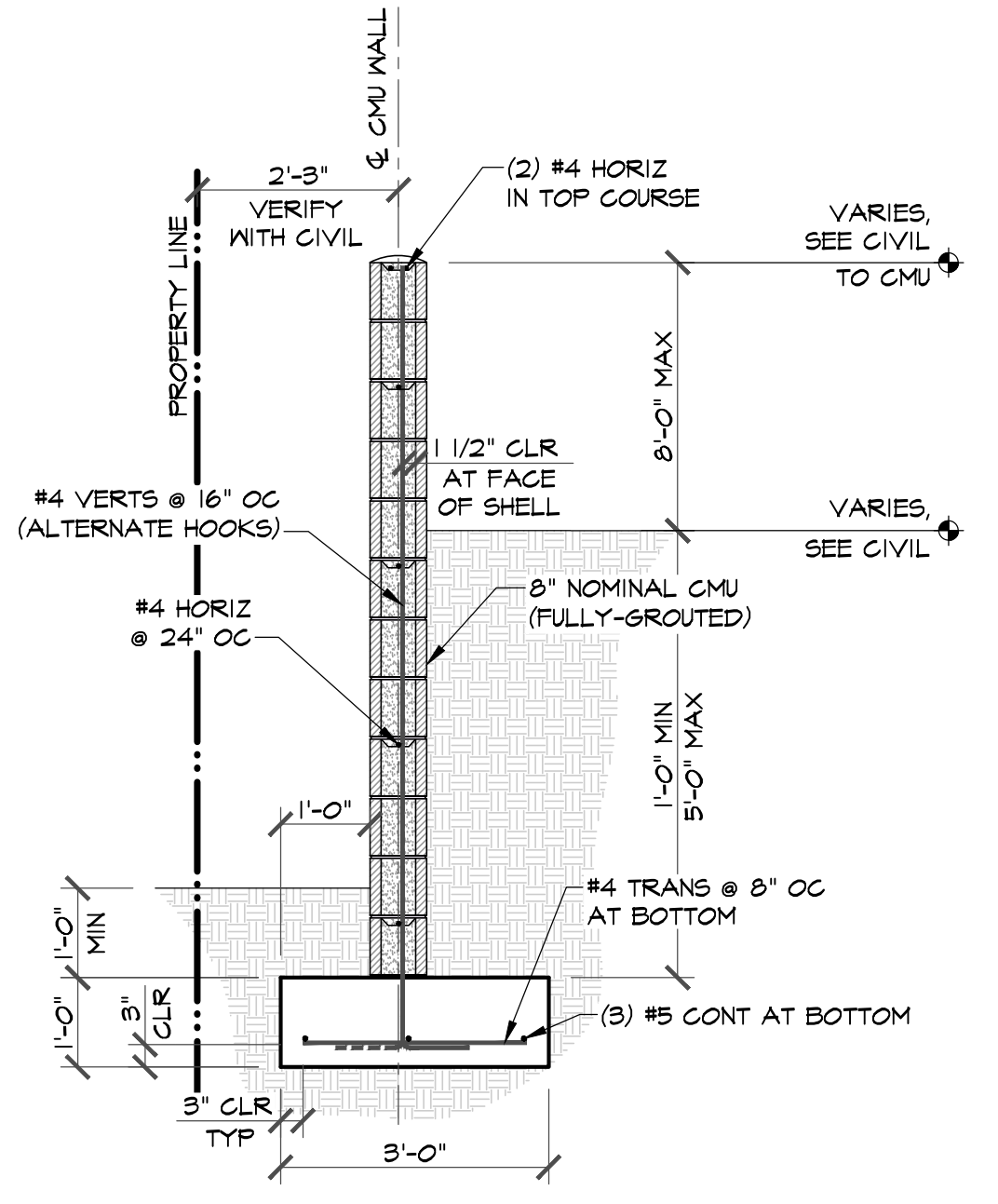
4 FOUNDATION FORMWORK
1" = 1'-0"



5 FOOTING WALL INTERSECTION
3/4" = 1'-0"

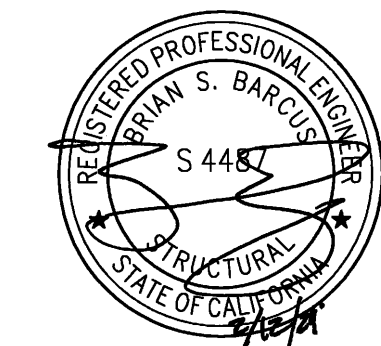


6 STEPPED FOOTING
NTS

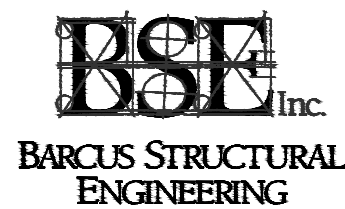


7 CMU SITE WALL
1/2" = 1'-0"

DISCLAIMER: THIS PLAN REPRESENTS FEATURES FOR ILLUSTRATION PURPOSES ONLY. IT IS NOT A LEGAL SURVEY AND IS NOT INTENDED FOR USE IN DETERMINING BOUNDARIES. ANY USE OF THIS PLAN FOR PURPOSES OTHER THAN LOCATION OF FEATURES IS DONE SO AT THE USER'S RISK AND WITHOUT THE CONSENT OF CONDOR EARTH.



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REV#	DATE	ASK BY	DESCRIPTION
0	02.12.2021	ASK	FOR PERMIT

TRI-DAM PROJECT
TULLOCH DAY USE SITE
FOUNDATION DETAILS

JOB#: 20CTE-07 DRAWN: MRH SCALE: AS SHOWN
PRINTED: 02-12-21 CHECKED: KJN FILE: FOUNDATION DETAILS

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