



KEYNOTES

- 1 PUBLIC TIPPING TENSILE FABRIC CANOPY
- 2 COMMERCIAL TIPPING TENSILE FABRIC CANOPY
- 3 PREFAB MOBILE SCALE HOUSE (APPROXIMATELY 10x24)
- 4 WATER TANK ACCESS ROAD
- 5 DROP-OFF & BULKY ITEMS (AT GRADE BINS AND ROLLOFFS) TENSILE FABRIC CANOPY
- 6 11'x70' VEHICLE SCALE, ABOVE GROUND
- 7 FIRE TANK (2) 97,171 GALLONS EACH ON CONCRETE PADS (39'-6" DIAMETER EACH)
- 8 PORTABLE TOILET, ONE ACCESSIBLE AND ONE NON-ACCESSIBLE, OWNER FURNISHED AND INSTALLED
- 9 RETAINING WALL
- 10 EMPLOYEE PARKING
- 11 EXISTING FENCE
- 12 VALLEY GUTTER, REFER TO CIVIL DRAWINGS
- 13 EXISTING TREES TO REMAIN
- 14 DIRECTIONAL SIGNAGE
- 15 CONCRETE ISLAND
- 16 TRANSFER VEHICLE LOADOUT

PROJECT DATA

OWNER / APPLICANT INFO:
 SALINAS VALLEY SOLID WASTE AUTHORITY (SVSWA)
 126 SUN STREET
 SALINAS, CA 93601
 CONTACT: BRIAN KENNEDY
 TEL: 831.775.3013

ARCHITECT:
 JRMA
 2700 SATURN STREET
 BREA, CA 92821
 CONTACT: KYLE RAUSCH
 TEL: 714.524.1870

CIVIL ENGINEER:
 BOWMAN & WILLIAMS
 2949 RESEARCH PARK
 COURT, #100
 SOQUEL, CA 95073
 CONTACT: BEN RYLANDER
 TEL: 831.426.3560

INFORMATION BELOW IS BASED ON PARCEL REPORT GATHERED FROM COUNTY OF MONTEREY HOUSE AND COMMUNITY DEVELOPMENT WEBSITE)

ASSESSOR PARCEL ID: 125-271-063-000
 PARCEL SIZE (ACRES): 132.74 DIS ACRES
 ADDRESS: 350 CRAZY HORSE CANYON ROAD
 PLANNING AREA: NORTH COUNTY
 ZONING: RDR/5.1/PUBLIC/QUASI-PUBLIC (POP)
 GENERAL PLAN LAND USE DESIGNATION: PUBLIC/QUASI-PUBLIC
 SEISMIC HAZARD: III | IV | UNDETERMINED
 FIRE DISTRICT: NORTH COUNTY FPD
 VISUAL SENSITIVITY: NONE
 SCHOOL DISTRICT: LAGUNITA UNION, SALINAS UNION HIGH
 PROPOSED PROJECT INFORMATION:

BUILDING / SITE INFORMATION

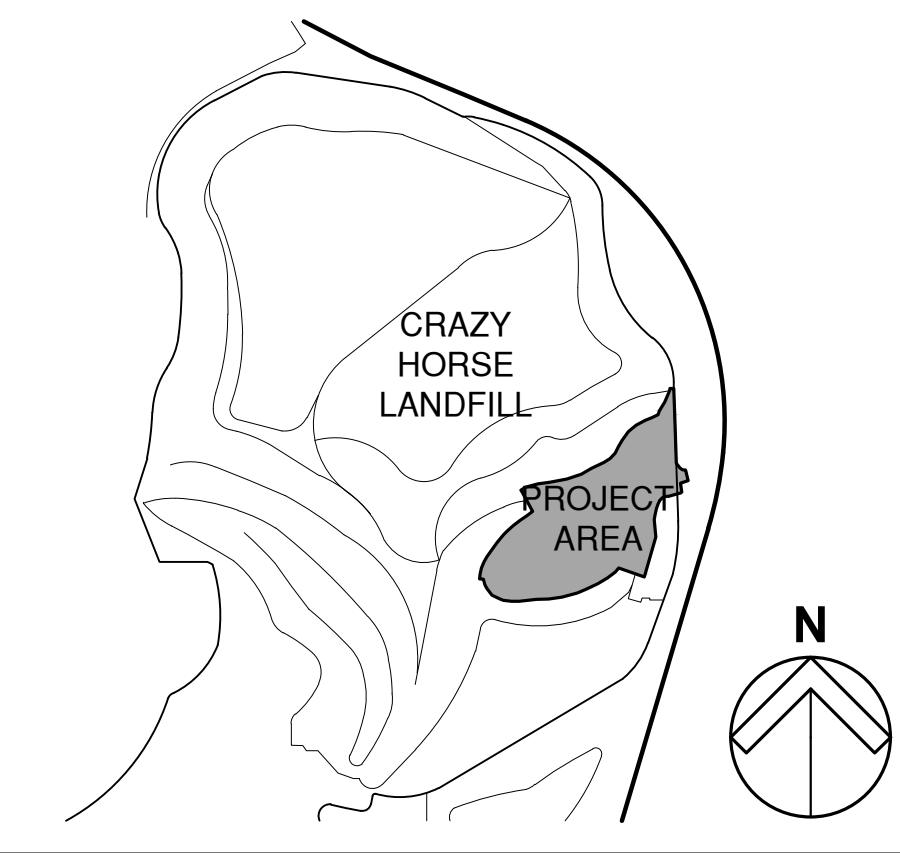
SITE AREA (APPROX): 205,690 S.F. (4.72 AC.)

TYPE / LABEL	AREA(S.F.)	SITE AREA %
EXISTING HHW BLDG	3,200 S.F.	0.0155
PUBLIC TIPPING BLDG	18,700 S.F.	0.0909
COMMERCIAL TIPPING BLDG	6,500 S.F.	0.0316
DROP OFF CANOPY	8,750 S.F.	0.0425
SCALEBOOTH	240 S.F.	0.0011
FIRE TANKS (2 TOTAL)	2,450 S.F.	0.0116
TOTAL BUILDING AREA	37,390 S.F.	0.1816

GENERAL NOTES

- TOTAL IMPERVIOUS AREA: REFER TO CIVIL DRAWINGS
 TOTAL NEW BUILDING AREA: 34,190 S.F.
 EXISTING HHW AREA: 3,200 S.F.
- NOTED LIVE TREES TO BE REMOVED. REFER TO ARBORIST REPORT FOR DETAILS.
- REFER TO CIVIL DRAWINGS FOR TOTAL AMOUNT OF GRADING CUT AND FILL.
- NO WATER AND SEWER SERVICE PROVIDER SERVING THE SITE.
- EXISTING SEPTIC SYSTEM TO BE REMOVED.
- PREFABRICATED SCALE HOUSE TO BE PROVIDED BY THE OWNER.
- LANDSCAPE INFORMATION CAN BE FOUND IN ARBORIST REPORT.
- REFER TO CIVIL DRAWINGS FOR SHADING OF GRADING SLOPES IN EXCESS OF 25% GARDE.

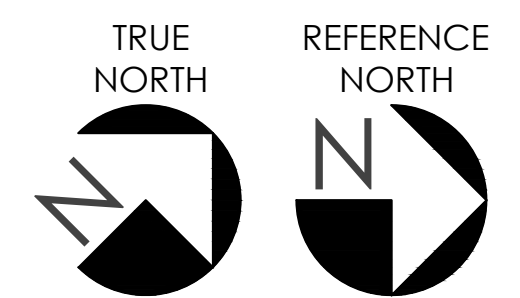
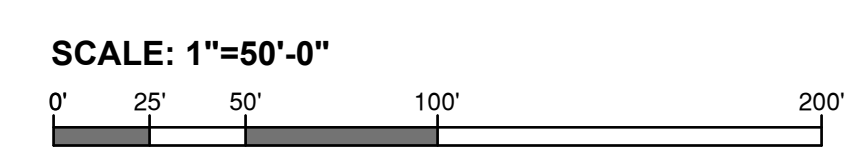
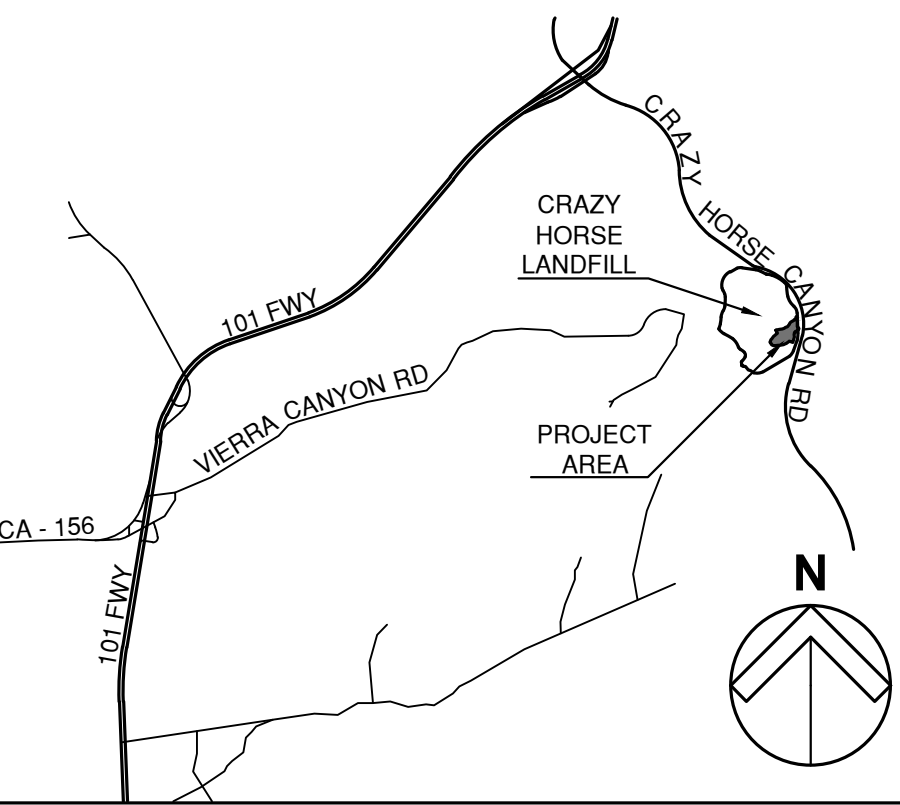
PROJECT KEY MAP



LEGEND

- EXISTING BUILDING
- CANOPY
- SURFACING, REFER TO CIVIL
- STOP SIGN / ROAD BAR
- TRANSFER TRAILERS
- PUBLIC RECYCLING / GREEN WASTE
- PUBLIC LOADS
- COMMON PATH / MULTIPLE ROUTE
- COMMERCIAL LOADS
- WATER TRUCK (OCCASIONAL USE)
- 5000 GALLON WATER TANK
- 3/4" HOSE BIBB
- SUMP PIT
- LIGHT POLE
- TREES TO BE REMOVED

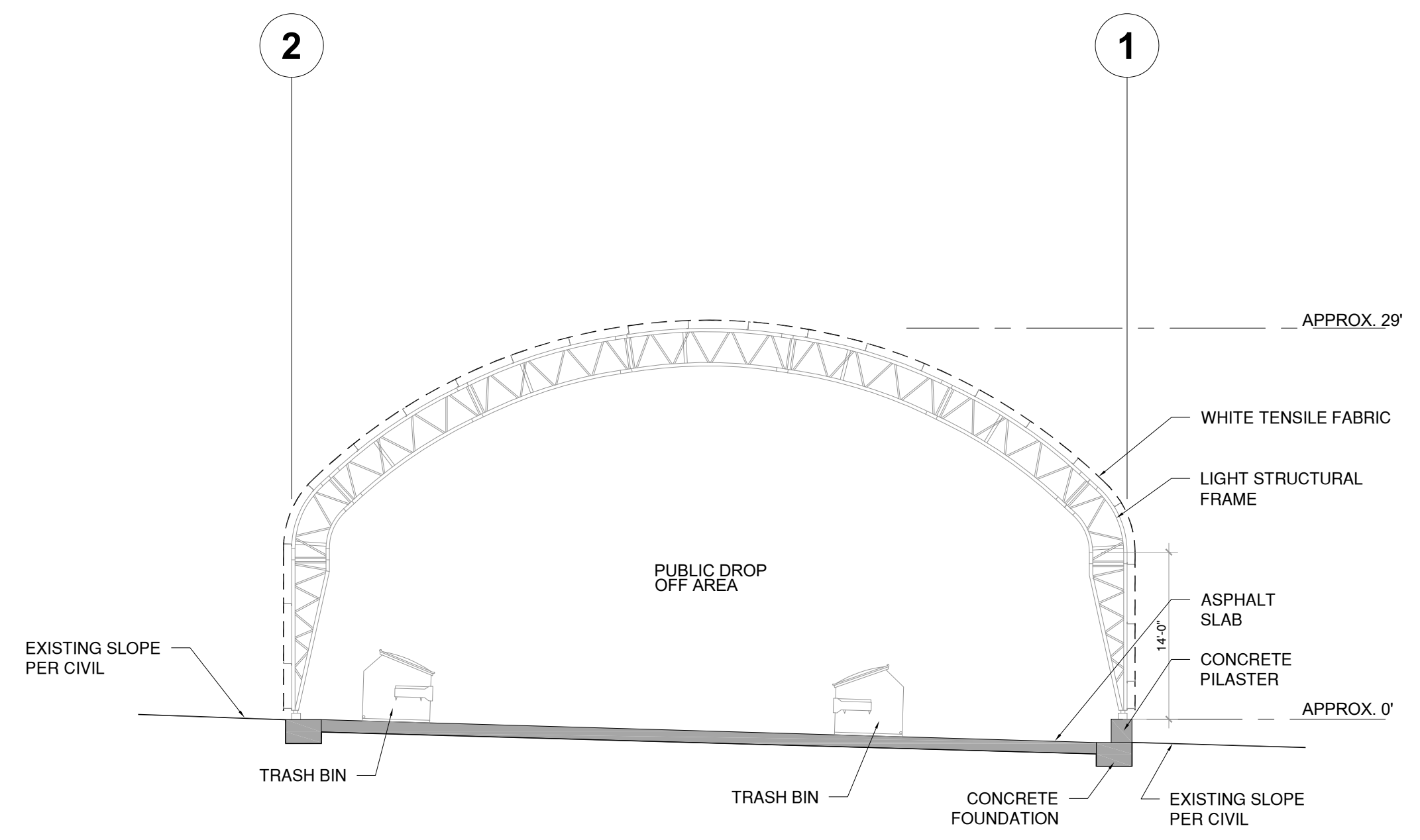
VICINITY MAP



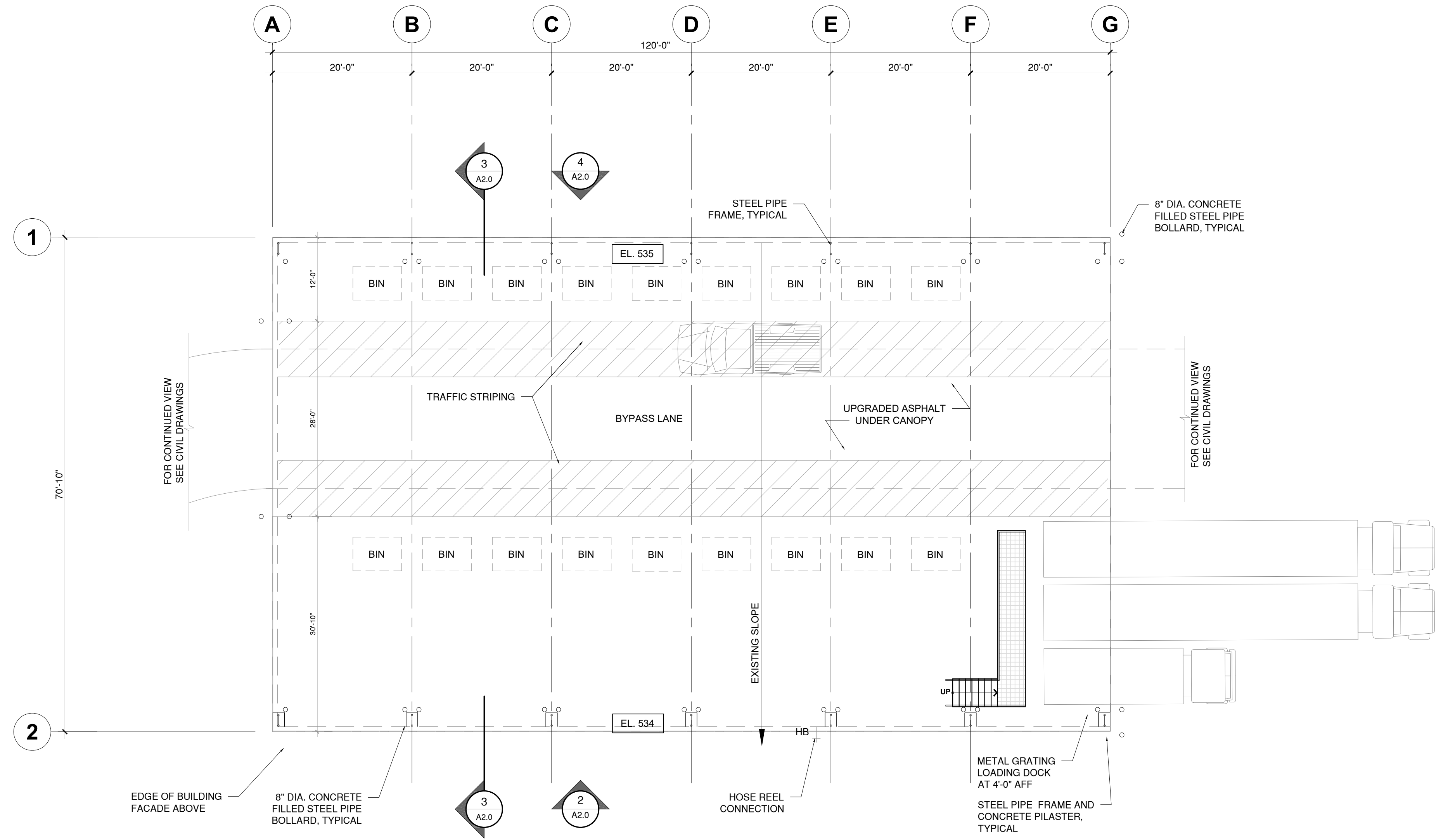
SITE PLAN
 OPTION #2 - SELF-HAUL / COMMERCIAL EXPANSION
Salinas Valley SWA
 Crazy Horse Canyon Road
 Salinas, CA 93907

Job No. 6062
 03.12.2026

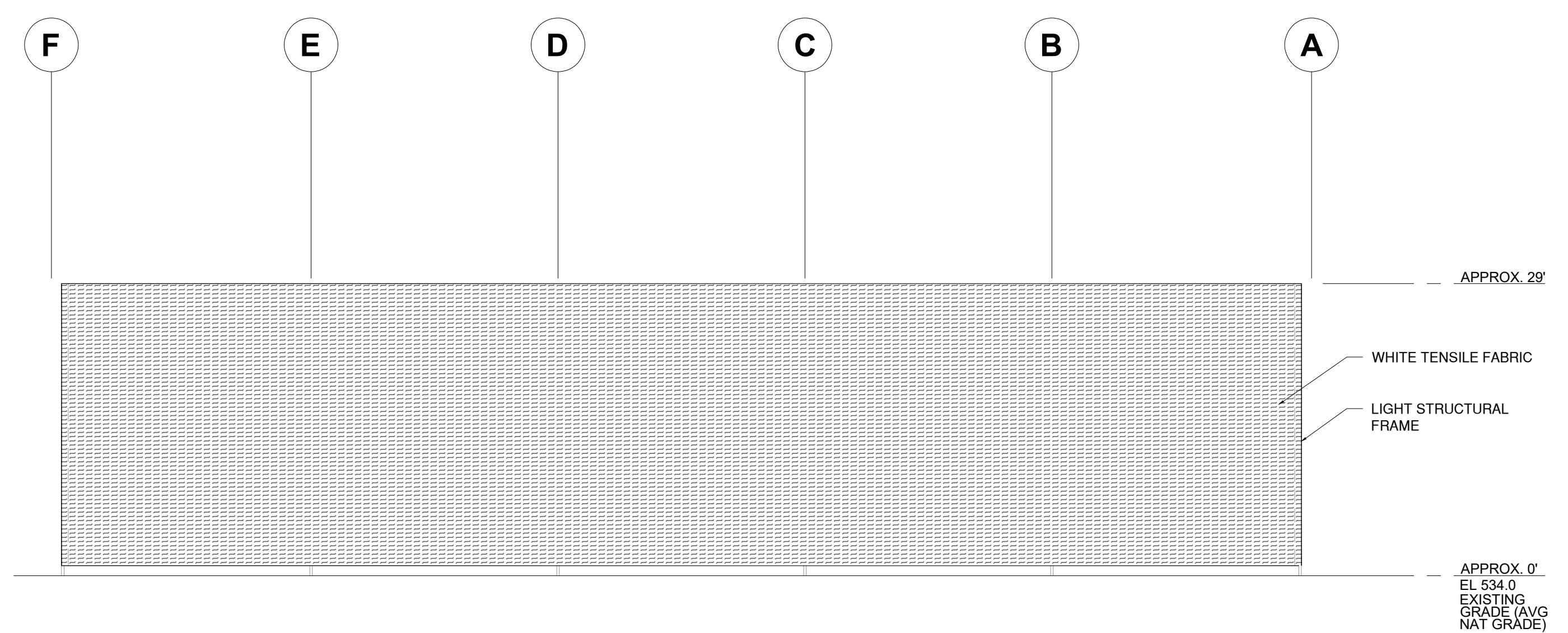
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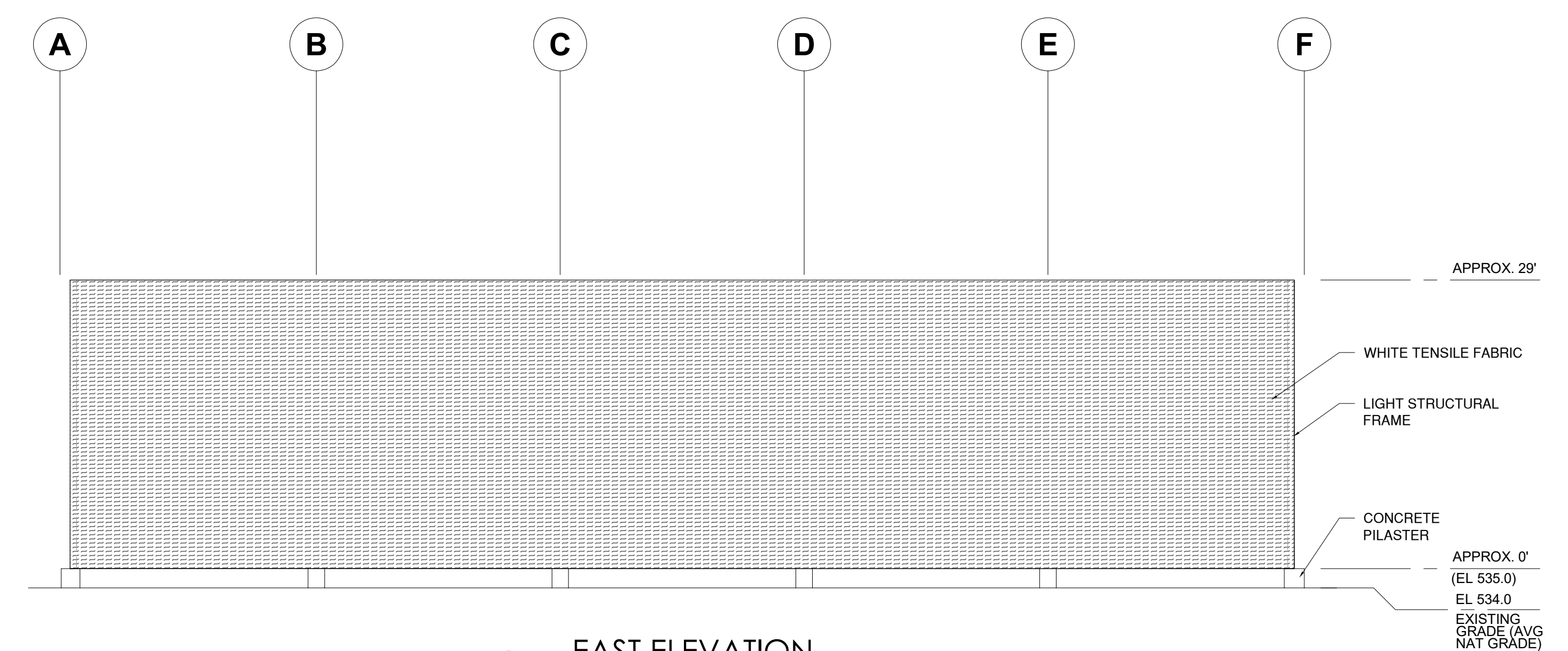
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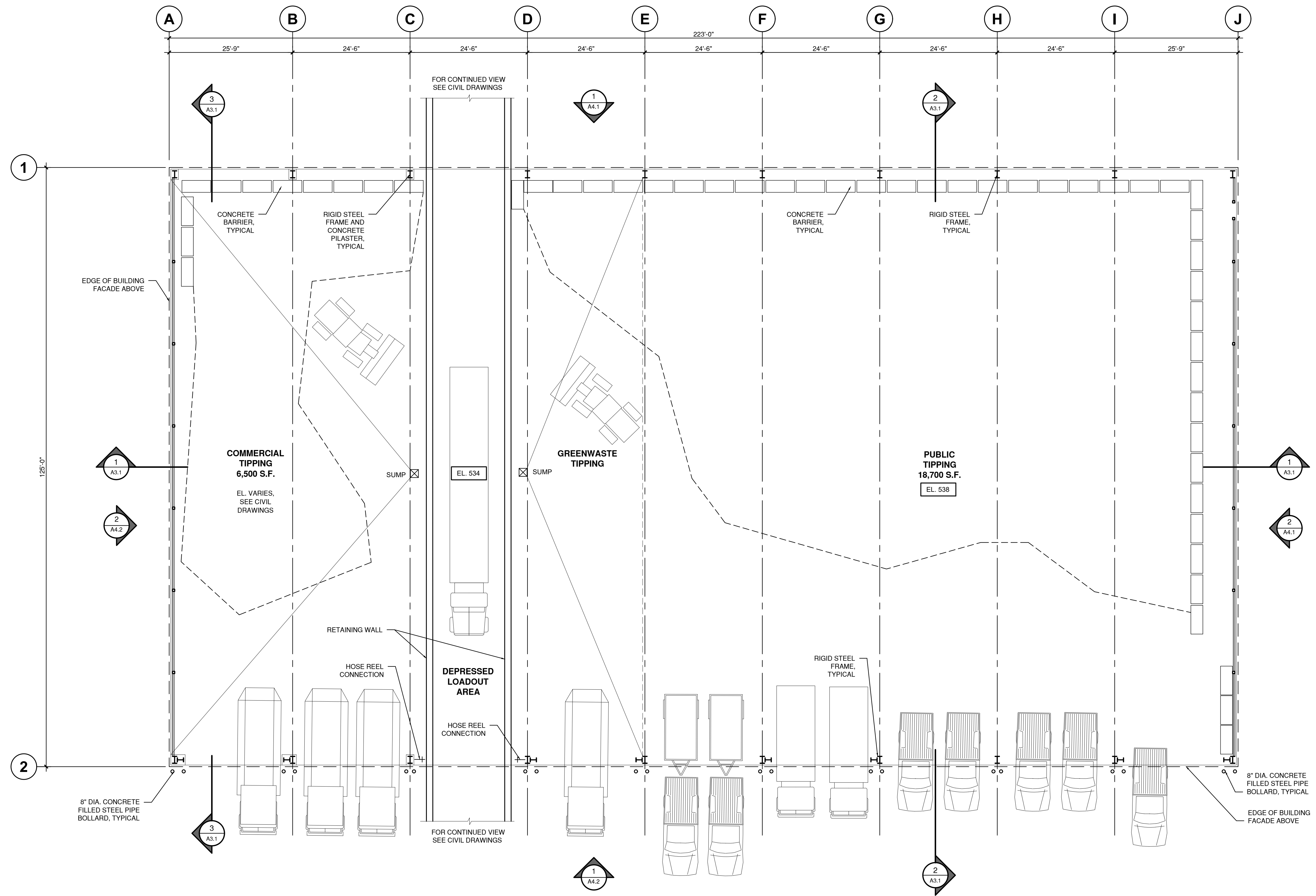
1 FLOOR PLAN

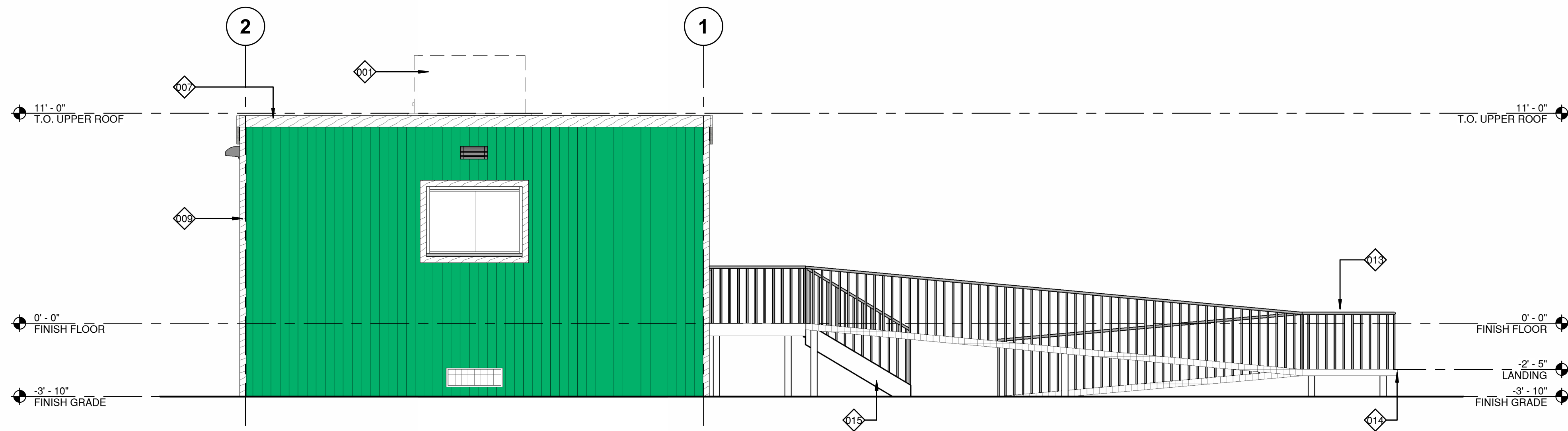


4 WEST ELEVATION

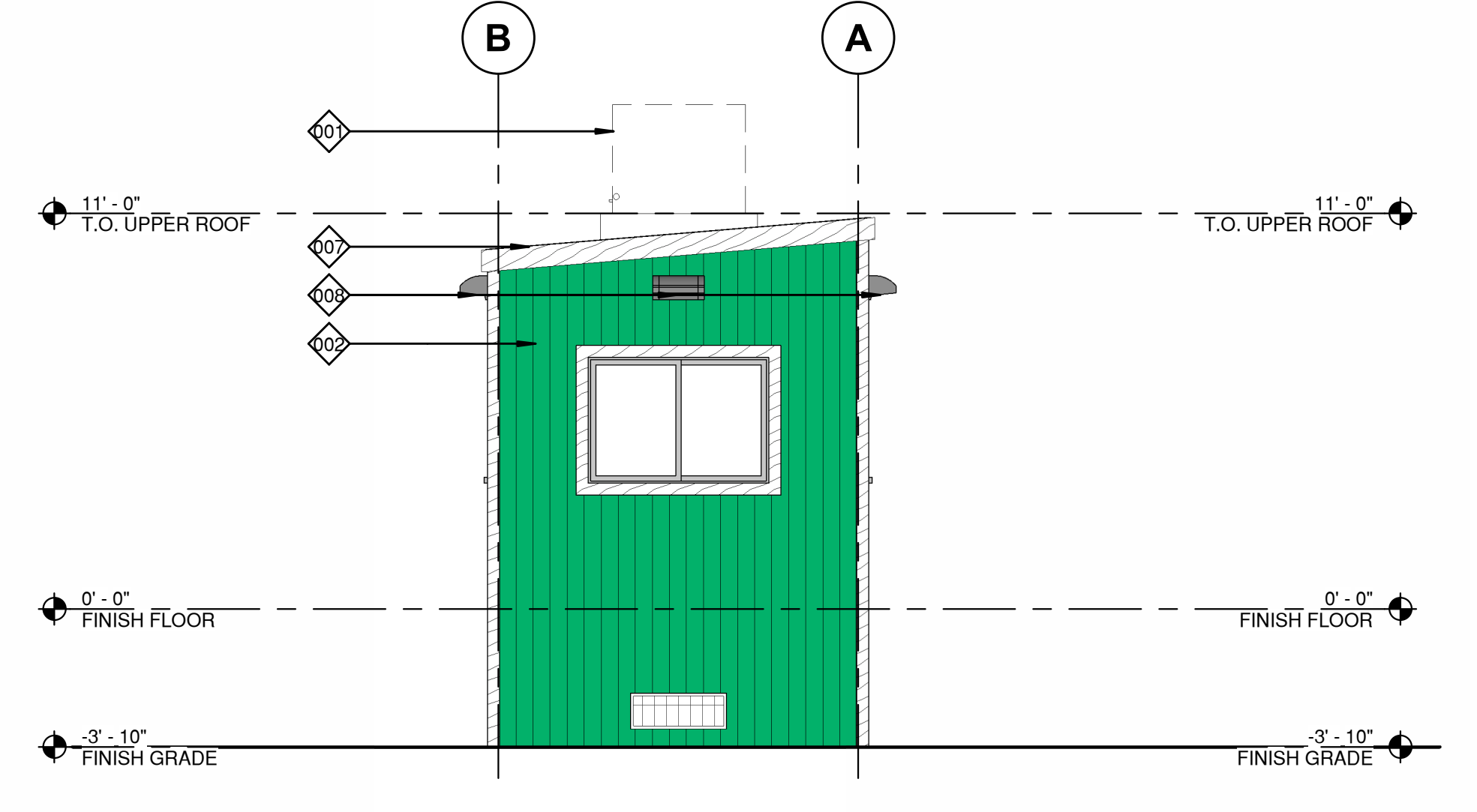


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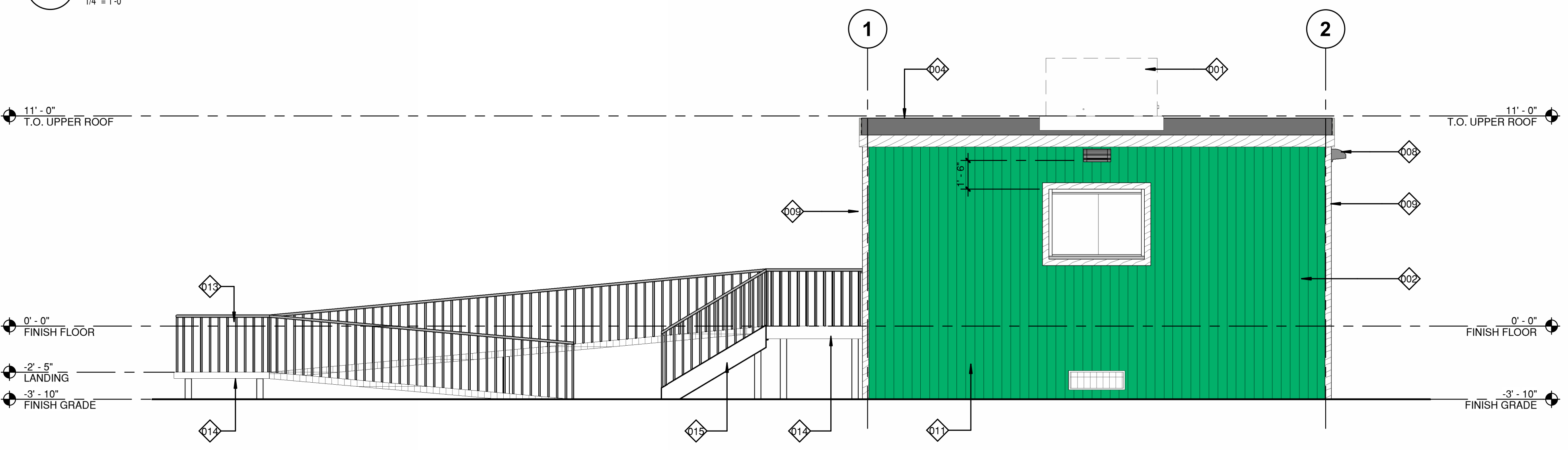




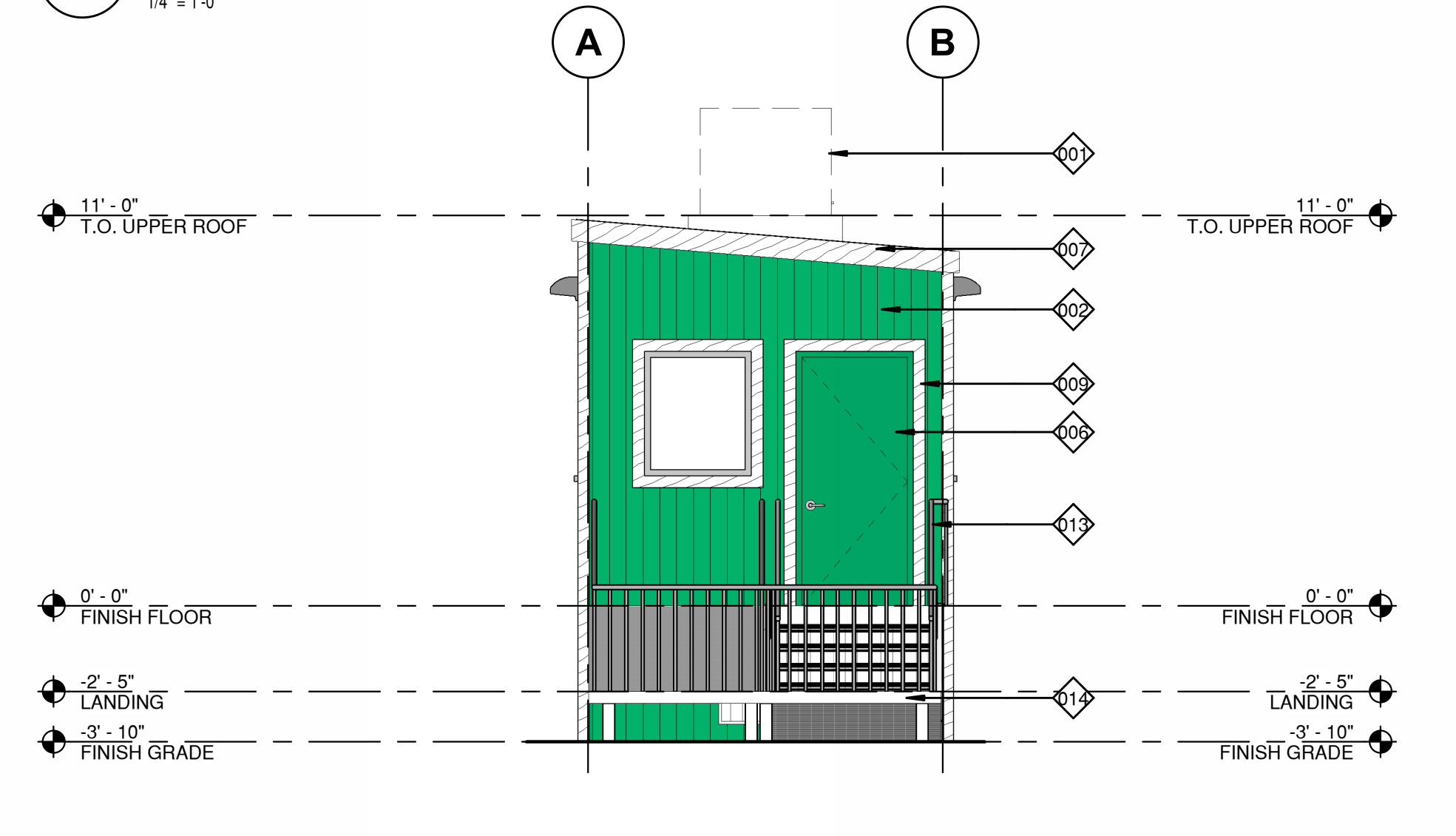
3 NORTH ELEVATION
1/4" = 1'-0"



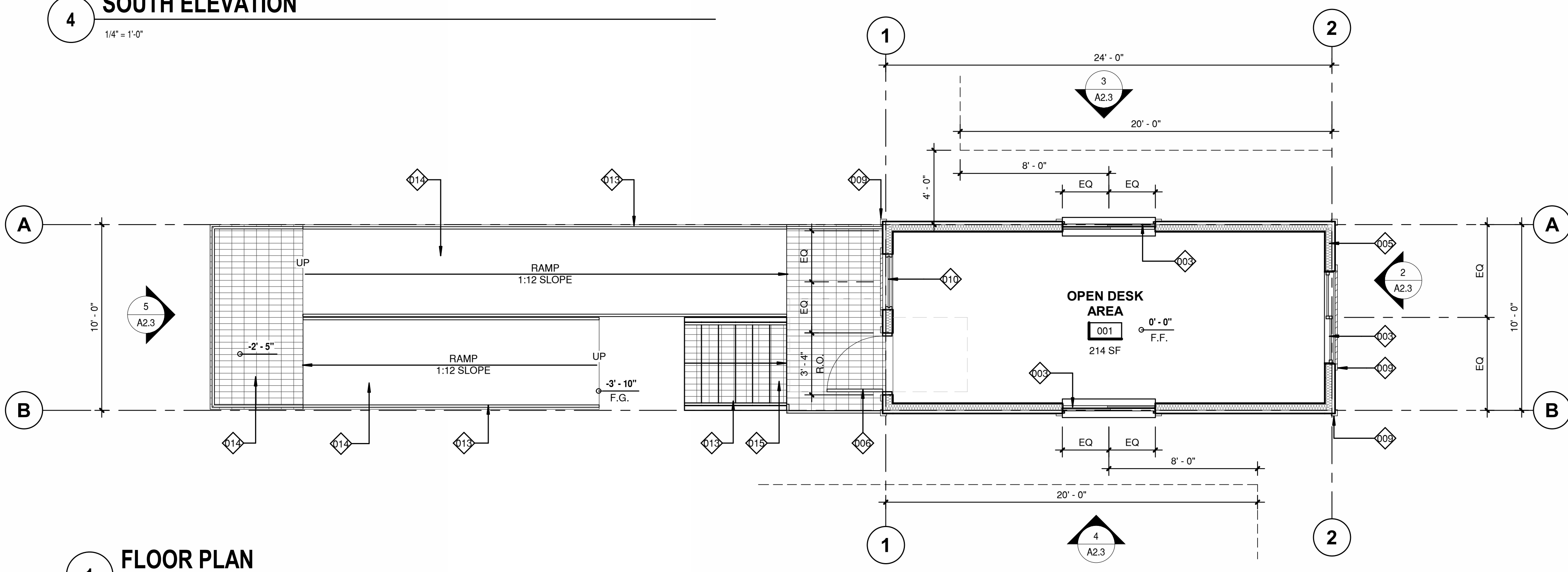
2 EAST ELEVATION
1/4" = 1'-0"



4 SOUTH ELEVATION
1/4" = 1'-0"



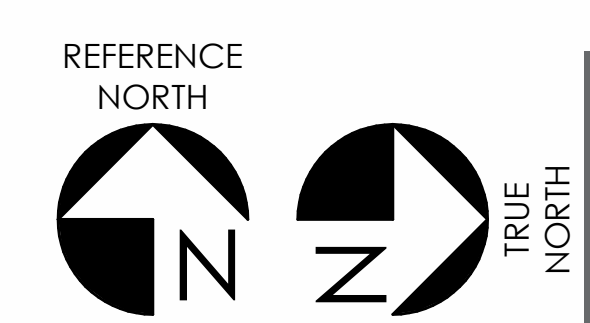
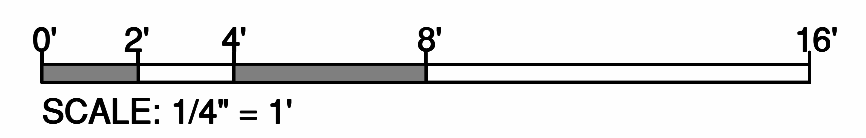
5 WEST ELEVATION
1/4" = 1'-0"



1 FLOOR PLAN
1/4" = 1'-0"

KEYNOTES

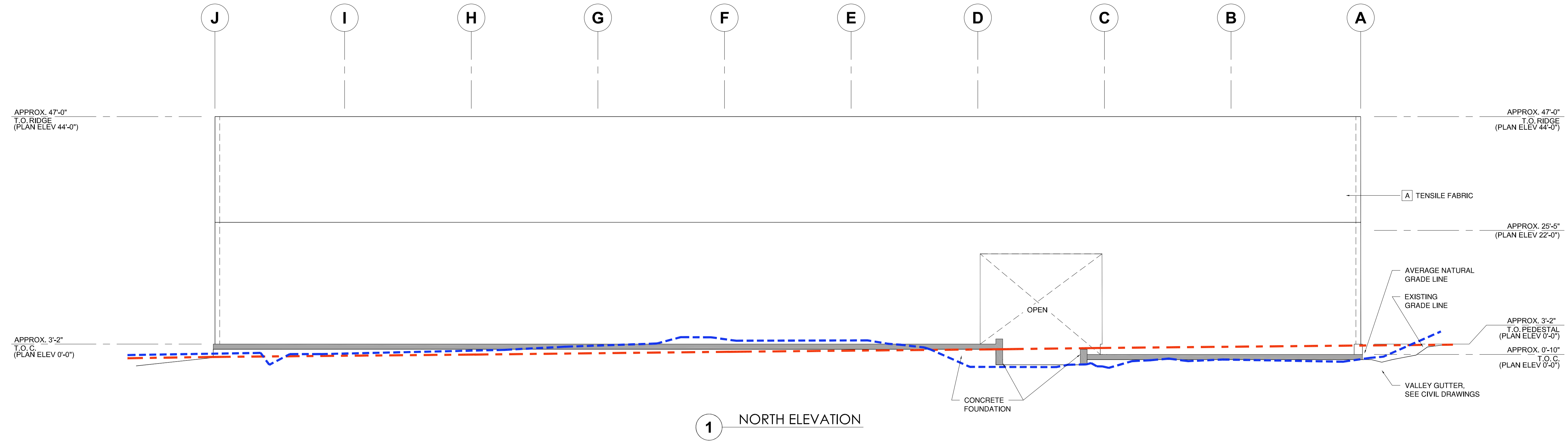
- 001 AC/ HEATING UNIT
- 002 VERTICAL WOOD SIDING, PAINTED, SHERWIN-WILLIAMS GREENBELT SW 6927
- 003 5'-0"x3'-6" DUAL SLIDING WINDOW
- 004 ASPHALT SHINGLE ROOF W/ R-30 BATT INSULATION
- 005 R-19 WALL INSULATION
- 006 3'-0"x7'-0" HOLLOW METAL DOOR W/ 2'-0"x3'-0" TEMPERED WINDOW, PAINTED SHERWIN-WILLIAMS GREENBELT SW 6927
- 007 WOOD FASCIA, PAINTED, SHERWIN-WILLIAMS EXTRA WHITE SW 7006
- 008 WALLPACK LIGHT
- 009 WOOD TRIM, PAINTED, SHERWIN-WILLIAMS EXTRA WHITE SW 7006
- 010 3'-0"x3'-6" FIXED WINDOW
- 011 WOOD SKIRT, PAINTED, SHERWIN-WILLIAMS GREENBELT SW 692
- 013 PIPE RAILING, GALVANIZED
- 014 METAL GRATING RAMP AND LANDING, GALVANIZED
- 015 METAL GRATING TREADS, GALVANIZED



FLOOR PLAN & ELEVATIONS
Salinas Valley SWA
 SCALE HOUSE
 Crazy Horse Canyon Road, Salinas, CA 93907

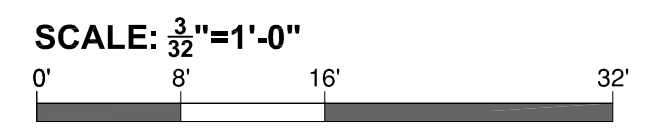
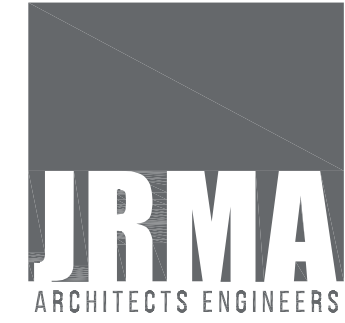
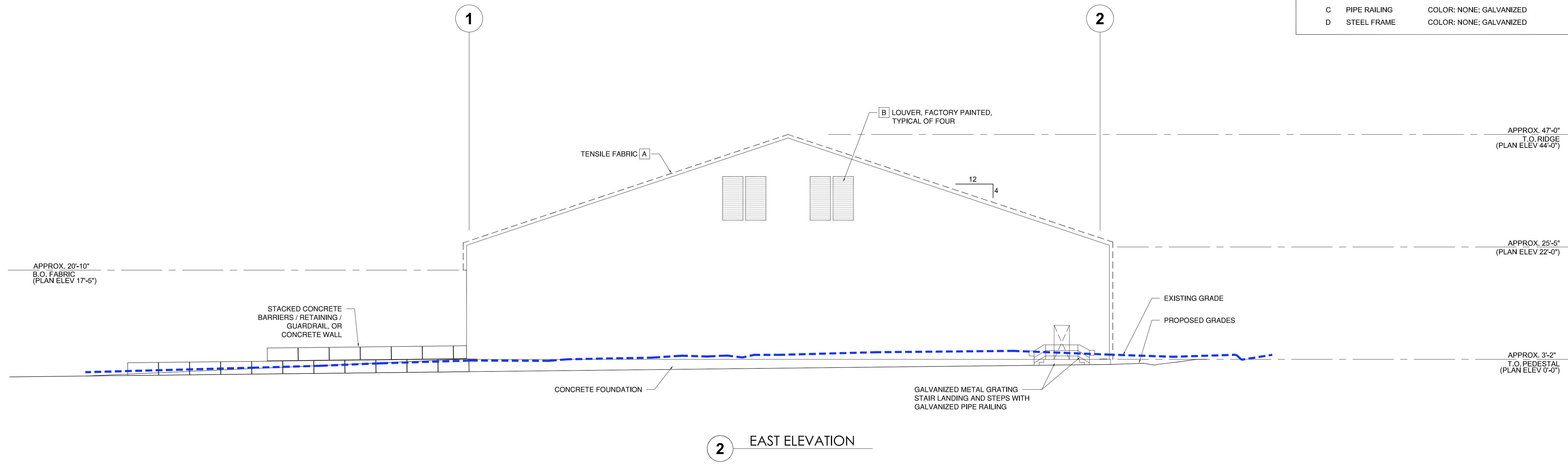
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 04/15/2026
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FINISH NOTES

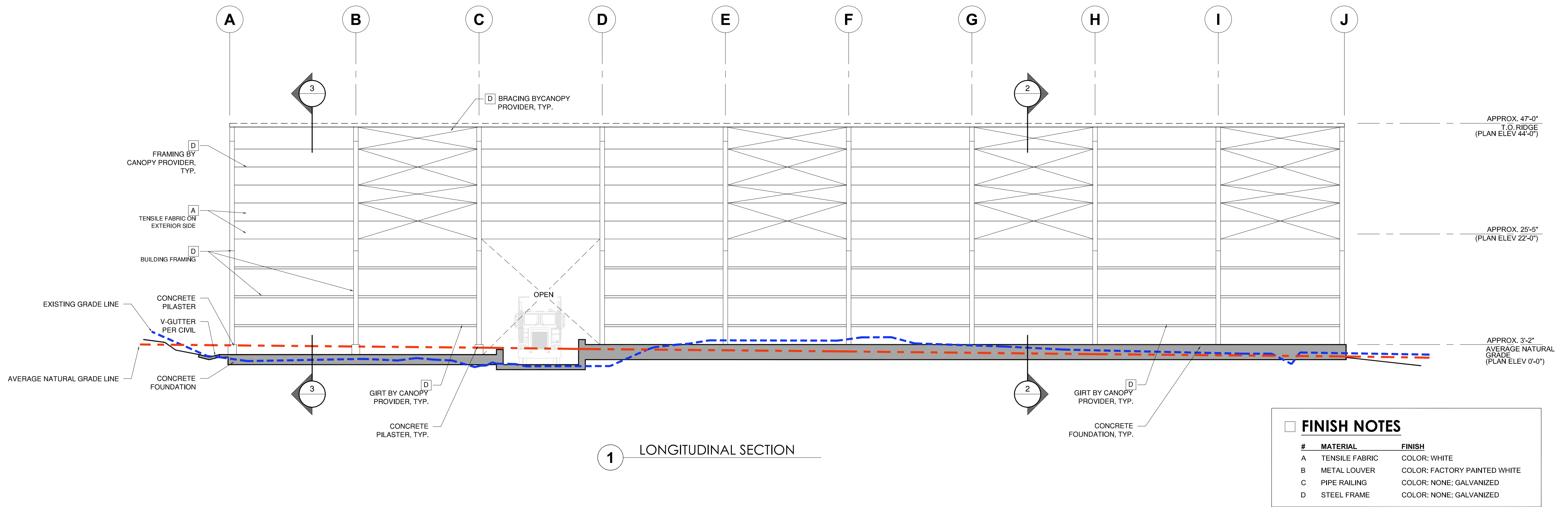
#	MATERIAL	FINISH
A	TENSILE FABRIC	COLOR: WHITE
B	METAL LOUVER	COLOR: FACTORY PAINTED WHITE
C	PIPE RAILING	COLOR: NONE; GALVANIZED
D	STEEL FRAME	COLOR: NONE; GALVANIZED



ELEVATIONS
PUBLIC & COMMERCIAL TIPPING
Salinas Valley SWA
Crazy Horse Canyon Road
Salinas, CA 93907

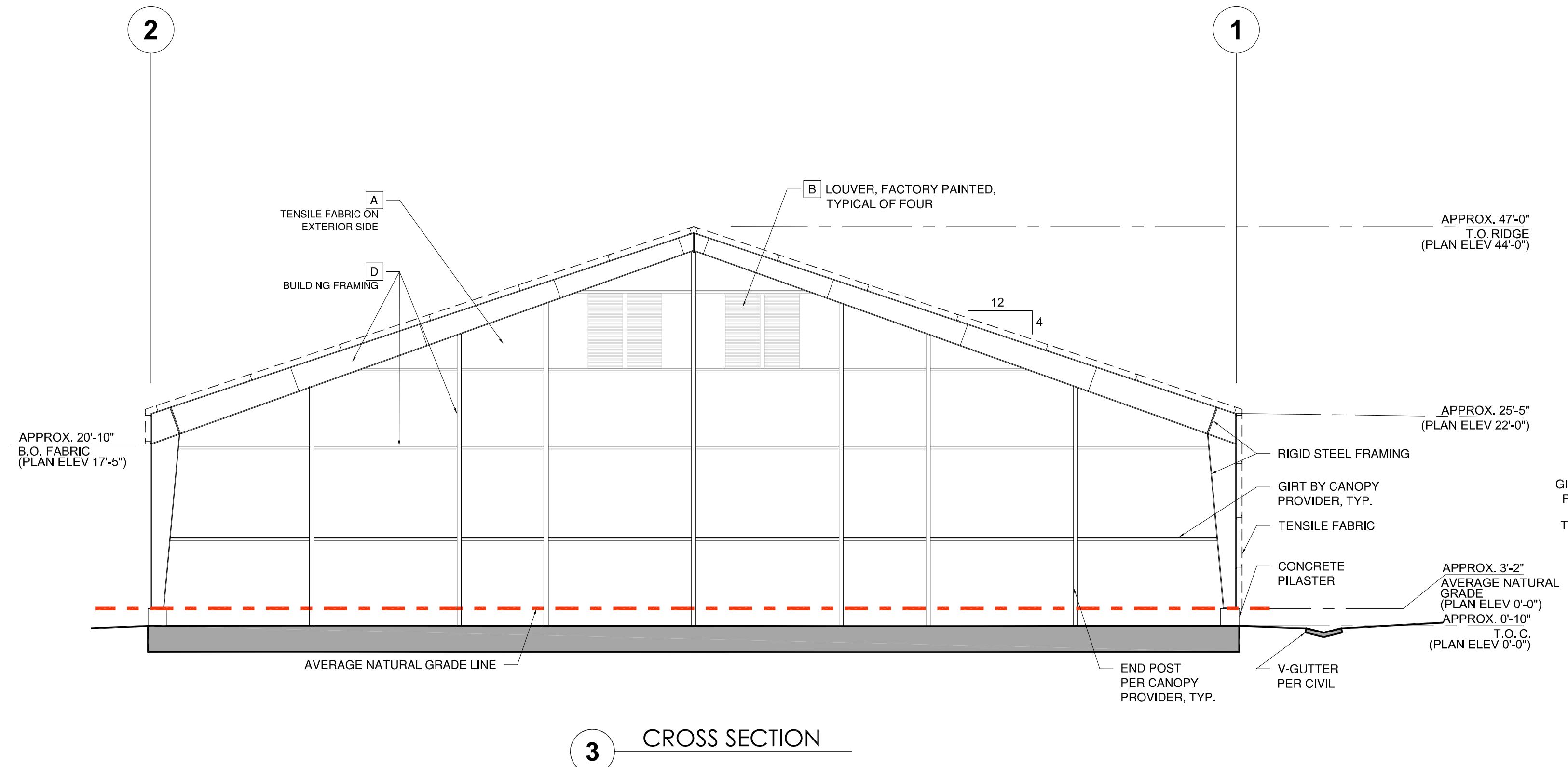
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03.12.2026

A4.1

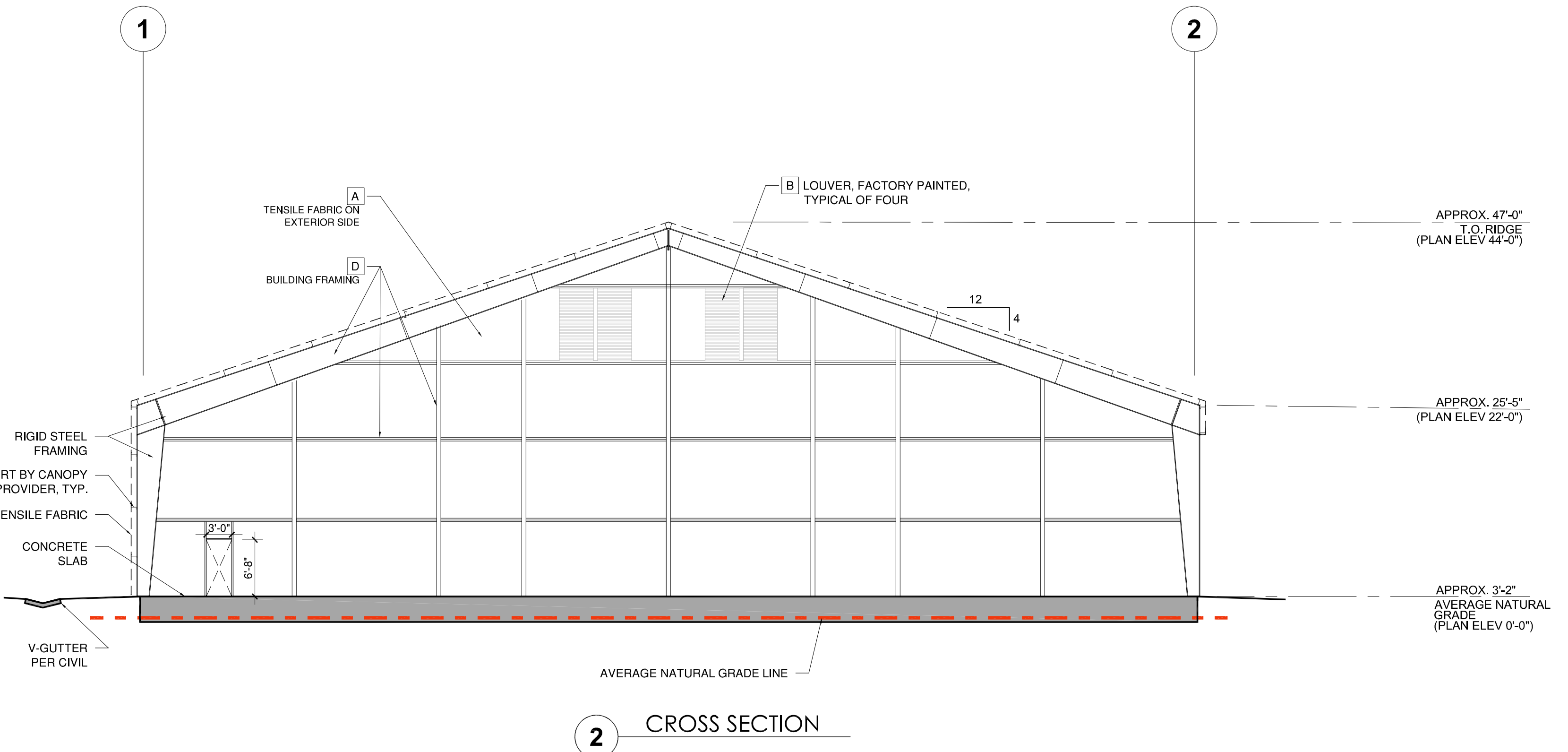


#	MATERIAL	FINISH
A	TENSILE FABRIC	COLOR: WHITE
B	METAL LOUVER	COLOR: FACTORY PAINTED WHITE
C	PIPE RAILING	COLOR: NONE; GALVANIZED
D	STEEL FRAME	COLOR: NONE; GALVANIZED

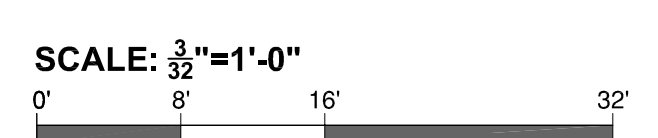
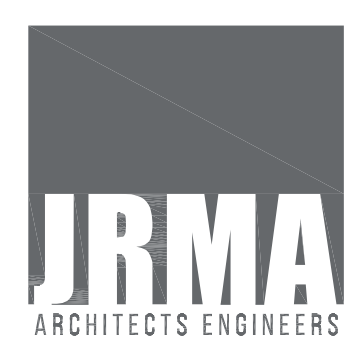
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3 CROSS SECTION



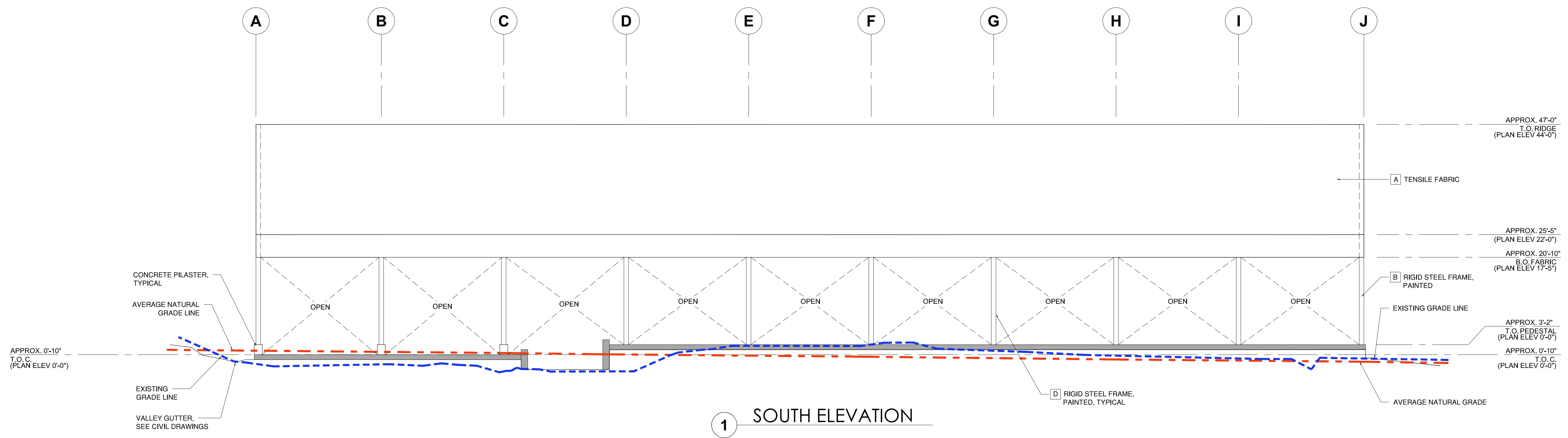
2 CROSS SECTION



SECTIONS
PUBLIC & COMMERCIAL TIPPING
Salinas Valley SWA
Crazy Horse Canyon Road
Salinas, CA 93907

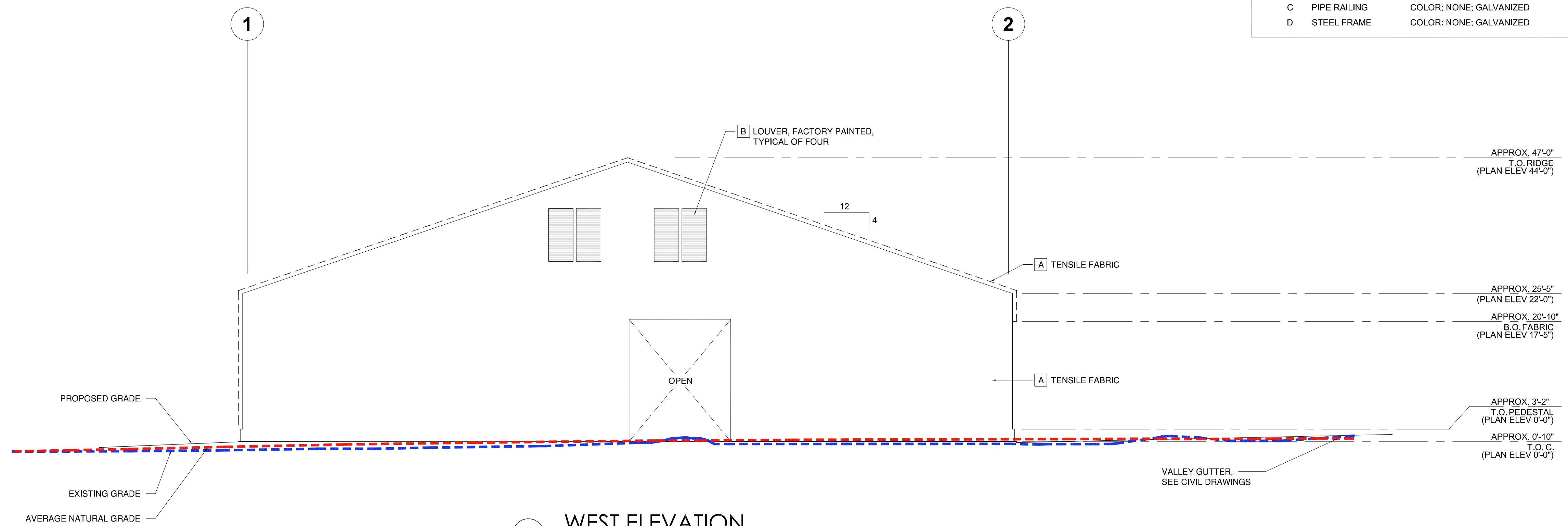
Job No. 6062
03.12.2026

A3.1



1 SOUTH ELEVATION

FINISH NOTES		
#	MATERIAL	FINISH
A	TENSILE FABRIC	COLOR: WHITE
B	METAL LOUVER	COLOR: FACTORY PAINTED WHITE
C	PIPE RAILING	COLOR: NONE; GALVANIZED
D	STEEL FRAME	COLOR: NONE; GALVANIZED



2 WEST ELEVATION

FOUNDATION SYSTEM FOR CLEARSPAN STRUCTURE

FOUNDATION FOR 125' X 221'-4"
CLEARSPAN BUILDING

CLEARSPAN ORDER NO. 7907270

SITE:

350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

DRAWING INDEX

- T1 TITLE SHEET
- N1 GENERAL STRUCTURAL NOTES
- S1 FOUNDATION PLAN
- S2 ELEVATIONS
- S3-S5 DETAILS
- S6 STRUCTURE REACTIONS



651 W Galena Park Blvd., Suite 101 (801) 990-1775
Draper, UT 84020 (801) 990-1776 FAX
www.vectorse.com

DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

REVISIONS	
DATE	DESCRIPTION



A Division of Engineering Services & Products Co.
1440 18th Ave. SW
Dyersville, IA 52040
www.esapco.com

TITLE SHEET

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE
CLEARSPAN ORDER NO. 7907270
350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

U1382-1110-251

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GENERAL STRUCTURAL NOTES

GENERAL DESIGN NOTES:

STRUCTURAL DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2022 EDITION (2021 IBC) AND THE ASCE 7-16 STANDARD

DESIGN LOADS:

WIND:

ULTIMATE BASIC WIND SPEED: 92 MPH (3-SEC GUST)
RISK CATEGORY: II
EXPOSURE: C

LIVE:

ROOF LIVE LOAD: 20 PSF

INTERIOR MAT LIVE LOAD:

UNIFORM LOAD: 300 PSF
VEHICULAR LOAD: HL-93
EQUIPMENT LOAD: A 45-KIP FRONT AXLE AND A 15-KIP BACK AXLE SPACED 10' APART WITH A TRANSVERSE WHEEL SPACING OF 7'. CONTACT AREA FOR A TIRE ASSUMED TO BE 24" WIDE AND 12" LONG.

SEISMIC:

SEISMIC DESIGN CAT.: E
SITE CLASS: D-DEFAULT
Ss: 2.70 S1: 0.99
Sds: 2.16 Sd1: 1.67

STEEL MATERIAL NOTES:

1. ALL STEEL SHAPES & PLATES SHALL CONFORM w/ ASTM A36, U.N.O.
2. ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM w/ ASTM A325N, U.N.O.
3. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE w/ THE LATEST VERSION OF THE AMERICAN WELDING SOCIETY AWS D1.1.
4. ALL BOLTED CONNECTIONS SHALL BE TIGHTENED TO "SNUG-TIGHT" CONDITION AS DEFINED BY THE AISC MANUAL.
5. ALL STEEL SHAPES, PLATES, AND HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED, STAINLESS STEEL, OR OTHERWISE PROTECTED FROM WEATHER.

REINFORCING STEEL NOTES:

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.
2. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. REBAR SPLICES ARE TO BE: CLASS "B".
6. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

CONCRETE:

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
2. REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", ACI 318-(LATEST EDITION).
3. ALL STRUCTURAL CONCRETE SHALL HAVE A MIN. 28-DAY STRENGTH OF 4500 PSI.
4. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH THE FOLLOWING REQUIREMENTS:
 - 4.1. COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE
 - 4.2. LARGE AGGREGATE: HARDROCK, ¾" MAXIMUM SIZE CONFORMING TO ASTM C-33
 - 4.3. CEMENT: ASTM C-150, TYPE II PORTLAND CEMENT
 - 4.4. SLUMP: 5" MAX
 - 4.5. WATER CEMENT RATIO: 0.45 MAX
 - 4.6. NO ADMIXTURES, EXCEPT FOR ENTRAINED AIR, AND AS APPROVED BY THE ENGINEER.
5. CONCRETE MIXING OPERATIONS, ETC, SHALL CONFORM TO ASTM C-94.
6. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 614 AND PROJECT SPECIFICATIONS
7. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
 - 7.1. CONCRETE POURED DIRECTLY AGAINST EARTH: 3" CLEAR
 - 7.2. STRUCTURAL SLABS: 3/4" CLEAR, PLACE REINF. @ MID-DEPTH U.N.O.
 - 7.3. FORMED CONCRETE WITH EARTH BACK FILL: 2" CLEAR
8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
9. MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-460, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1. OF ACI 318 FOR THE SPECIFIED 28-DAY STRENGTH.
10. SHRINKAGE OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-157, SHALL NOT EXCEED 0.00040 INCHES/INCH.

FOUNDATION NOTES:

1. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE OF 1,000 PSF PER THE PROJECT SOILS REPORT. FOOTINGS AND FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY:

COMPANY: PACIFIC CREST ENGINEERING
JOB NUMBER: 24033.1-M205-D42
DATE: MARCH 12, 2025

2. CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
3. FOOTINGS SHALL BE PLACED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS.
4. FOOTING BACK FILL AND UTILITY TRENCH BACK FILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS. FLOODING WILL NOT BE PERMITTED.
5. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
6. CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
7. THE TOP OF FOUNDATION SHALL BE LEVEL AND NON-SLOPING, U.N.O.
8. CLEARING, SITE PREPARATION, AND FILL SHALL BE PER REFERENCED GEOTECHNICAL REPORT.

SPECIAL INSPECTIONS / QUALITY ASSURANCE:

1. SPECIAL INSPECTIONS SHALL BE REQUIRED FOR:
 - ALL POST-INSTALLED ANCHORAGE TO CONCRETE
 - STEEL COLUMN ANCHOR BOLT PLACEMENT
 - FORMWORK SHAPE, LOCATION & DIMENSIONS
 - REINFORCEMENT TYPE & PLACEMENT
 - FOUNDATION EXCAVATION
- a. THE OWNERS SHALL EMPLOY SPECIAL INSPECTORS WHO SHALL PROVIDE ADDITIONAL INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 17.
- b. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED INSPECTOR FROM AN ESTABLISHED TESTING AGENCY, LICENSED AND APPROVED BY THE BUILDING DEPARTMENT
- c. THE BUILDING OFFICIAL OR AUTHORIZED REPRESENTATIVE MAY PERFORM THE INSPECTIONS LISTED ABOVE TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS SO LONG AS THEY ARE QUALIFIED TO DO SO.
- d. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO VECTOR STRUCTURAL ENGINEERING AND ALL INTERESTED PARTIES.
2. STRUCTURAL TESTING IS NOT REQUIRED.
3. ALL REPORTS SHALL BE DISTRIBUTED ON A MONTHLY BASIS TO THE ENGINEER OF RECORD, OWNER, CONTRACTOR, AND TO THE BUILDING OFFICIAL.
4. NO STRUCTURAL OBSERVATION IS REQUIRED. HOWEVER, THE ENGINEER OF RECORD RESERVES THE RIGHT TO MAKE FIELD OBSERVATIONS DURING CONSTRUCTION APPROXIMATELY ONCE PER WEEK.

NOTE:
THE MAT DESIGN LIVE LOADS SHALL BE POSTED IN ACCORDANCE WITH SECTION 106.1 OF THE CALIFORNIA BUILDING CODE.

PRELIMINARY



651 W Galena Park Blvd., Suite 101 (801) 990-1775
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DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

REVISIONS	
DATE	DESCRIPTION

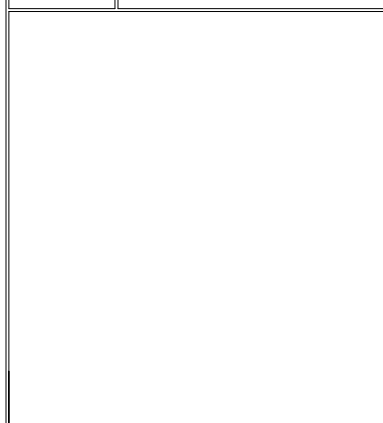
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1440 18th Ave. SW
Dyersville, IA 52040
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GENERAL STRUCTURAL NOTES

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE

CLEARSPAN ORDER NO. 7907270

350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY



U1382-1110-251

N1	REV
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FOUNDATION NOTES:
 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH STEEL BUILDING DRAWINGS PRIOR TO CONSTRUCTION.
 2. SEE STEEL BUILDING DRAWINGS FOR ALL INFORMATION PERTAINING TO THE STEEL BUILDING.

NOTE: METAL BUILDING SYSTEMS REQUIRE LARGE LOADS TO BE TRANSFERRED THROUGH ANCHOR BOLTS. THERE ARE NO RETROFIT OPTIONS. EXTRA CARE SHOULD BE GIVEN TO LOCATING ANCHORS, AND CASTING ANCHORS IN-PLACE DURING CONCRETE POUR

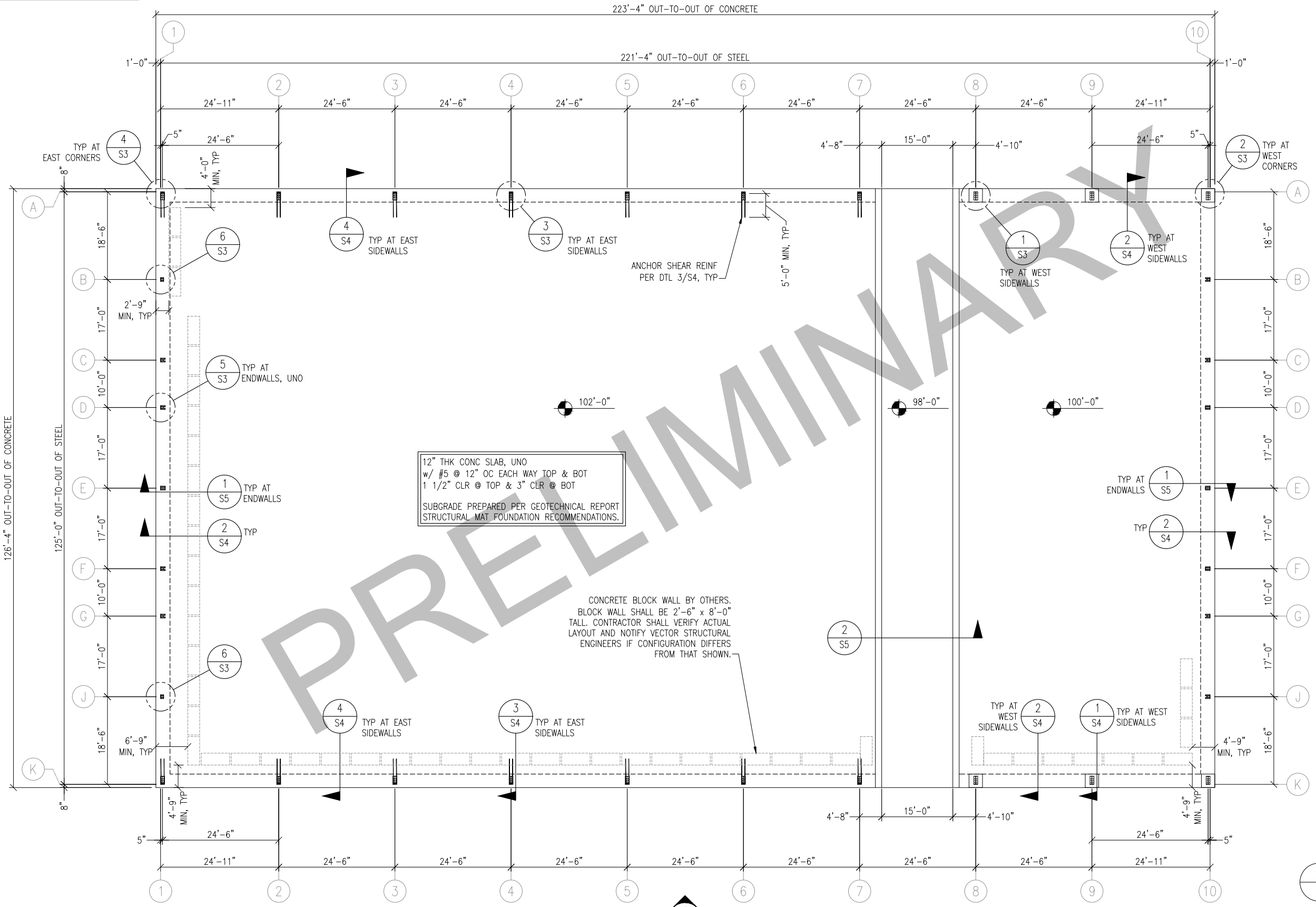
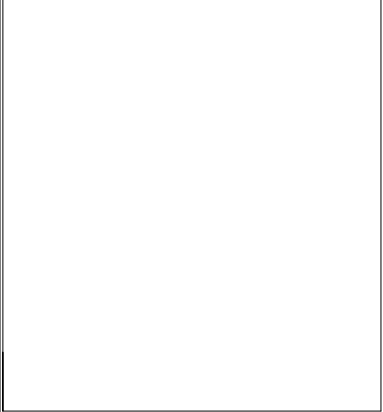
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REVISIONS	
DATE	DESCRIPTION



ClearSpan
 A Division of Engineering Services & Products Co.
 1440 18th Ave. SW
 Dyersville, IA 52040
 www.esapco.com

FOUNDATION PLAN
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907270
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY



12" THK CONC SLAB, UNO
 w/ #5 @ 12" OC EACH WAY TOP & BOT
 1 1/2" CLR @ TOP & 3" CLR @ BOT
 SUBGRADE PREPARED PER GEOTECHNICAL REPORT
 STRUCTURAL MAT FOUNDATION RECOMMENDATIONS.

CONCRETE BLOCK WALL BY OTHERS.
 BLOCK WALL SHALL BE 2'-6" x 8'-0"
 TALL. CONTRACTOR SHALL VERIFY ACTUAL
 LAYOUT AND NOTIFY VECTOR STRUCTURAL
 ENGINEERS IF CONFIGURATION DIFFERS
 FROM THAT SHOWN.

FOUNDATION PLAN
 N.T.S.

U1382-1110-251

S1 REV 0



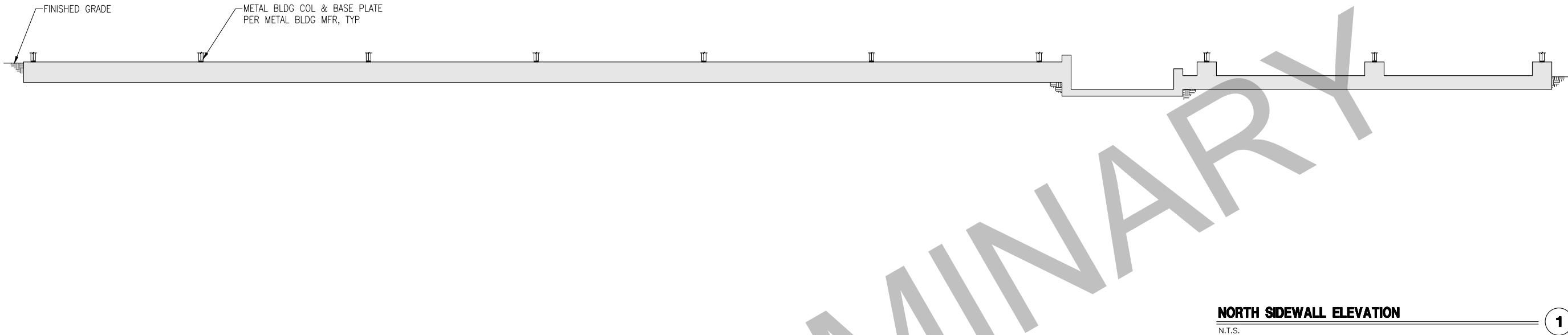
651 W Galena Park Blvd., Suite 101 (801) 990-1775
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DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

REVISIONS	
DATE	DESCRIPTION



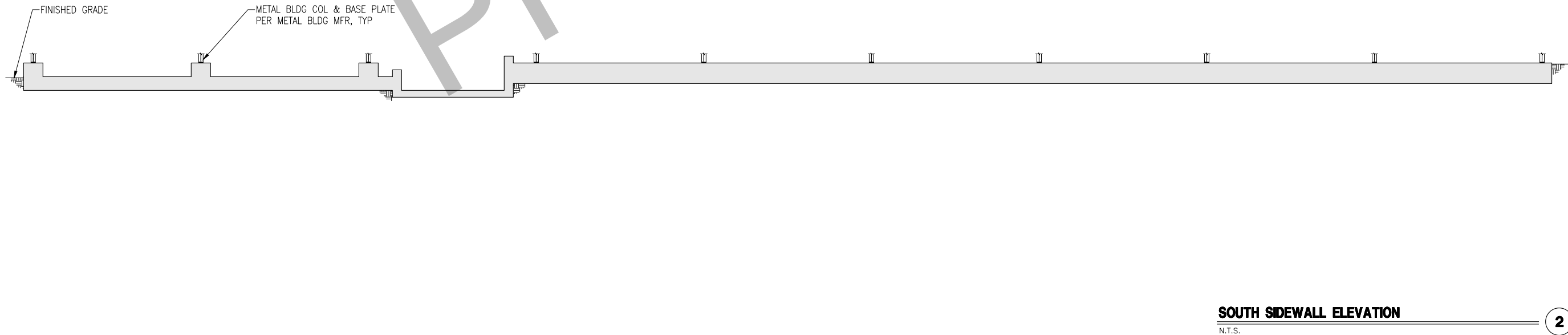
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NORTH SIDEWALL ELEVATION

N.T.S.

1



SOUTH SIDEWALL ELEVATION

N.T.S.

2

ELEVATIONS

FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE

CLEARSPAN ORDER NO. 7907270
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY

U1382-1110-251

S2

REV

0

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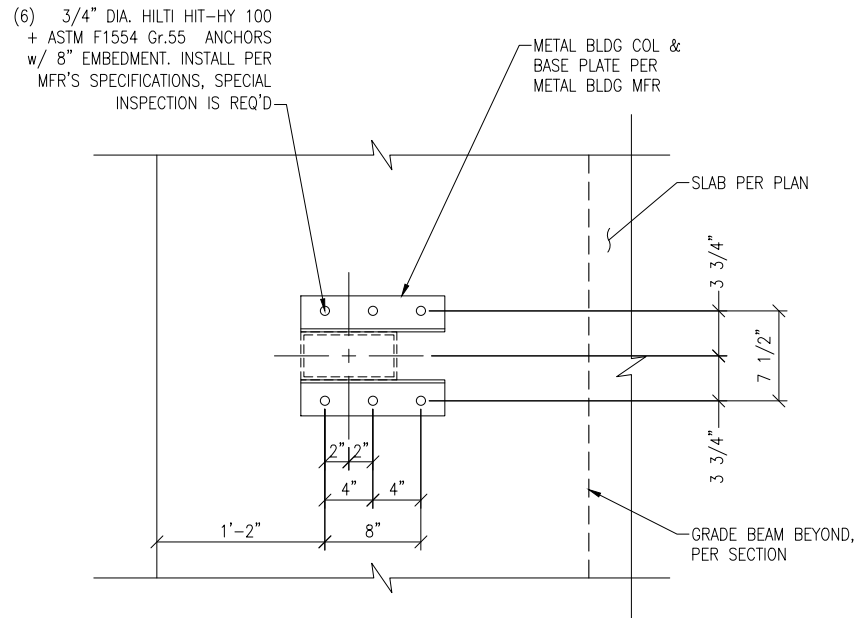


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DETAILS
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907270
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY

U1382-1110-251

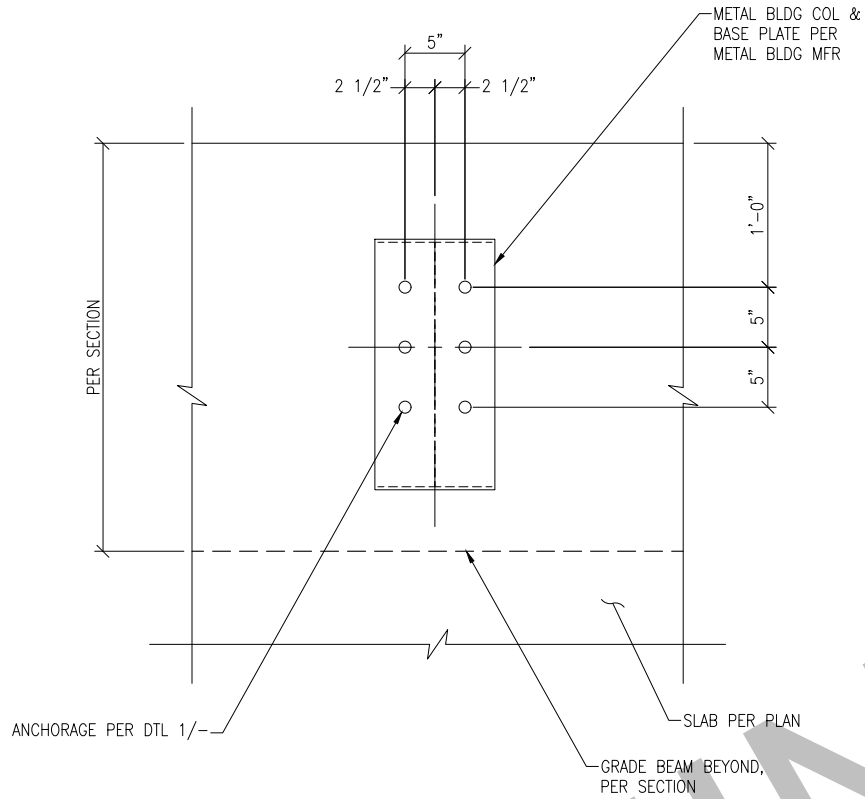
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ANCHORAGE @ ENDWALL, TYP UNO

N.T.S.

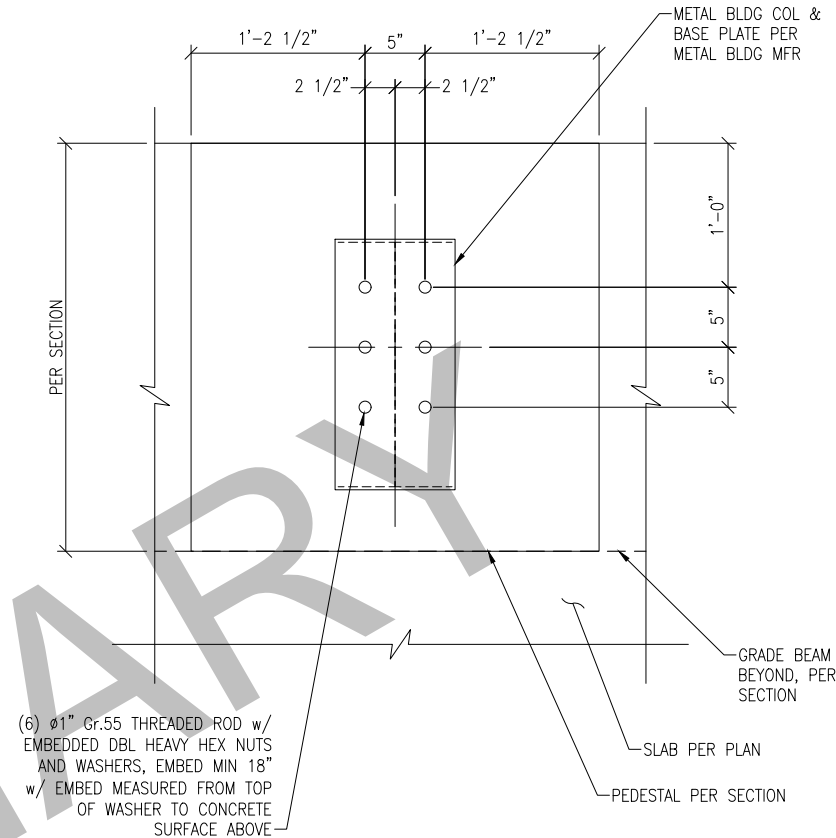
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ANCHORAGE @ EAST SIDEWALLS, TYP

N.T.S.

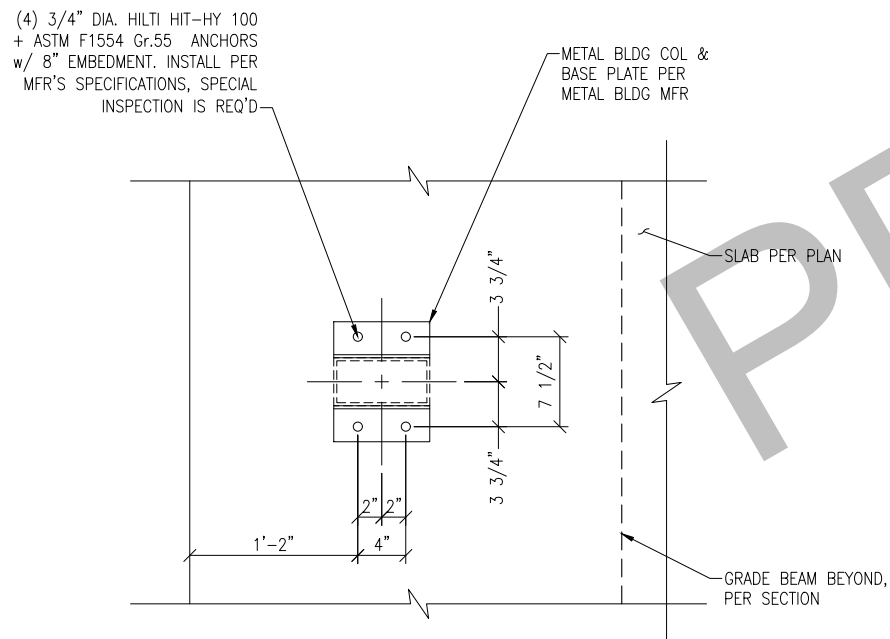
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ANCHORAGE @ WEST SIDEWALLS, TYP

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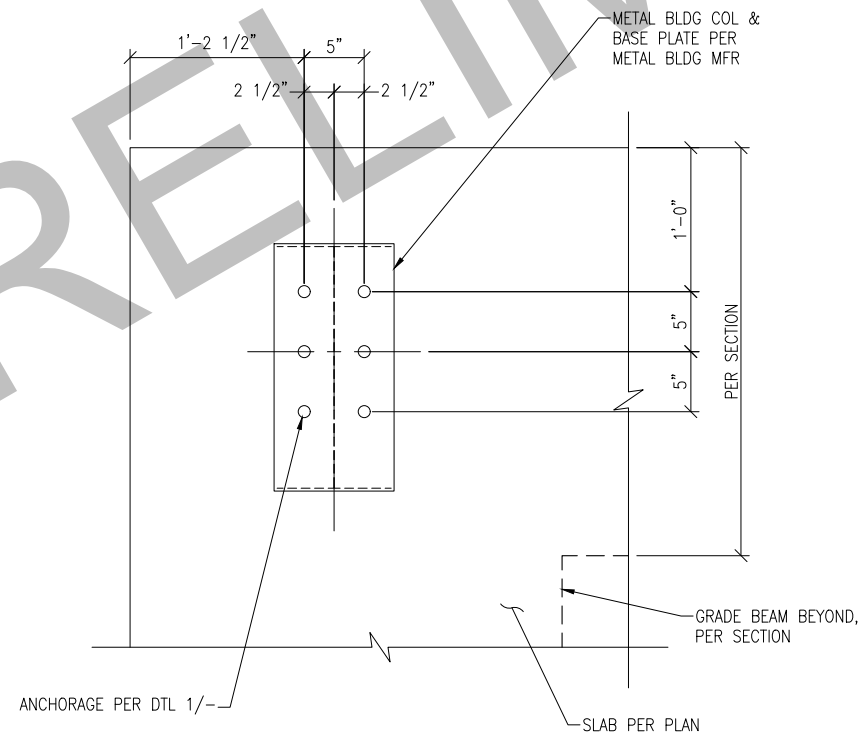
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ANCHORAGE AT EAST ENDWALL (BASEPLATE A)

N.T.S.

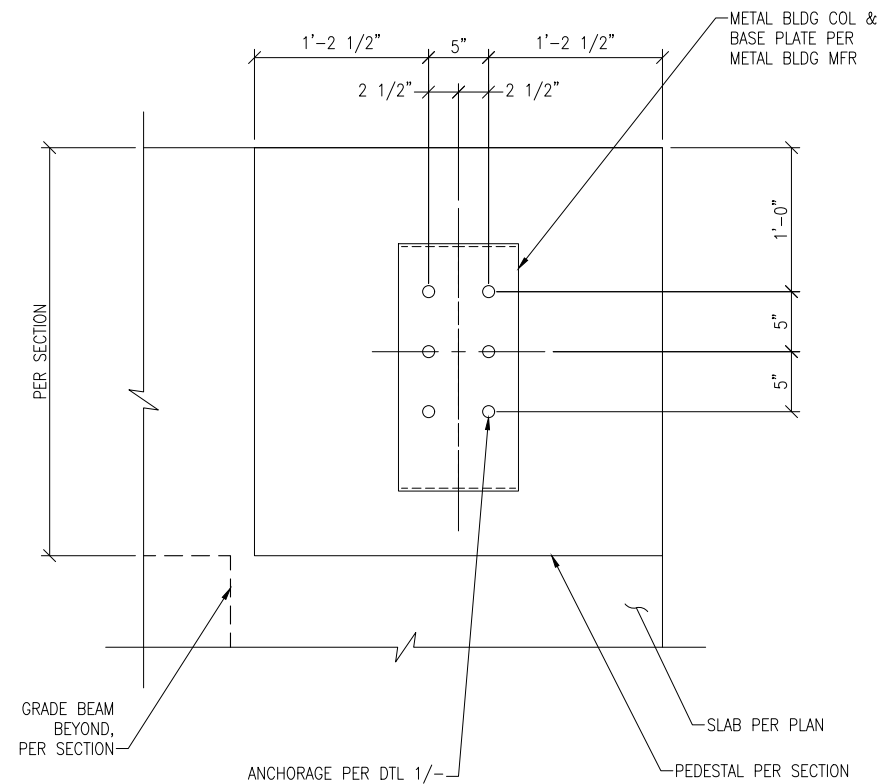
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ANCHORAGE @ EAST CORNERS, TYP

N.T.S.

4



ANCHORAGE @ WEST CORNERS, TYP

N.T.S.

2

REVISIONS	
DATE	DESCRIPTION

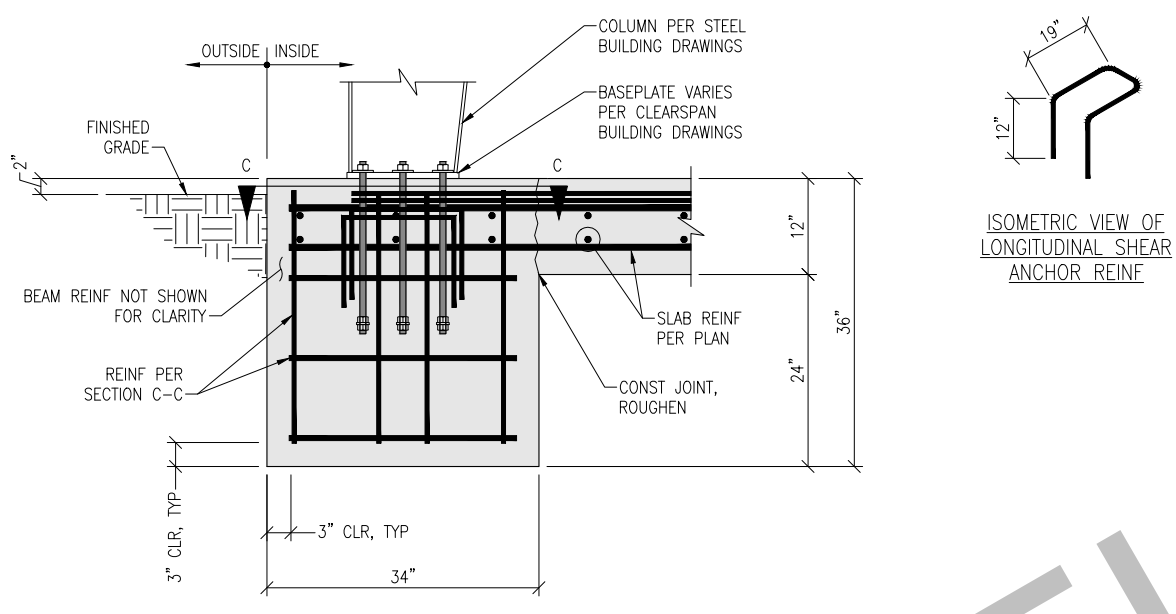
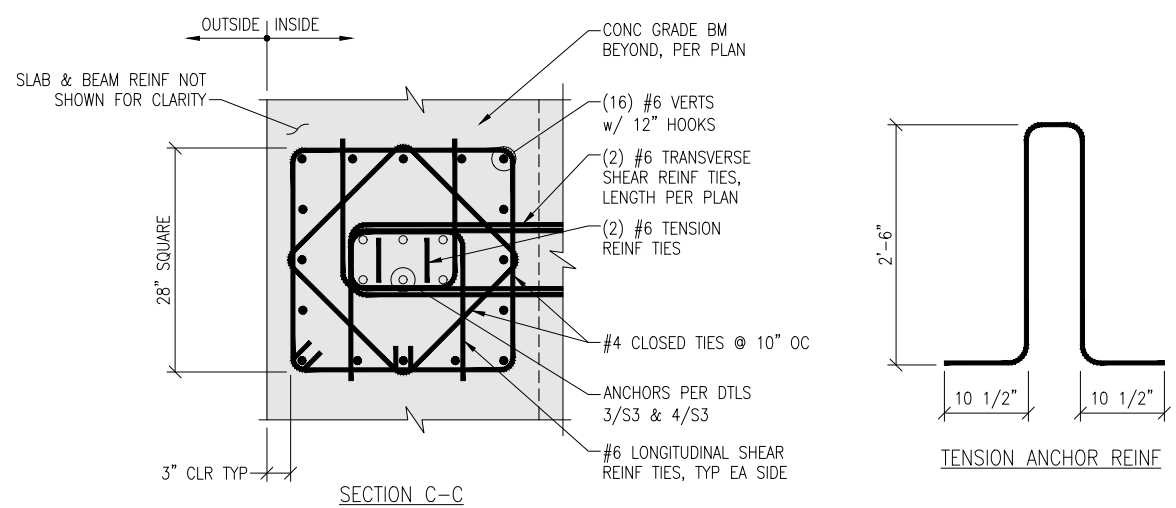


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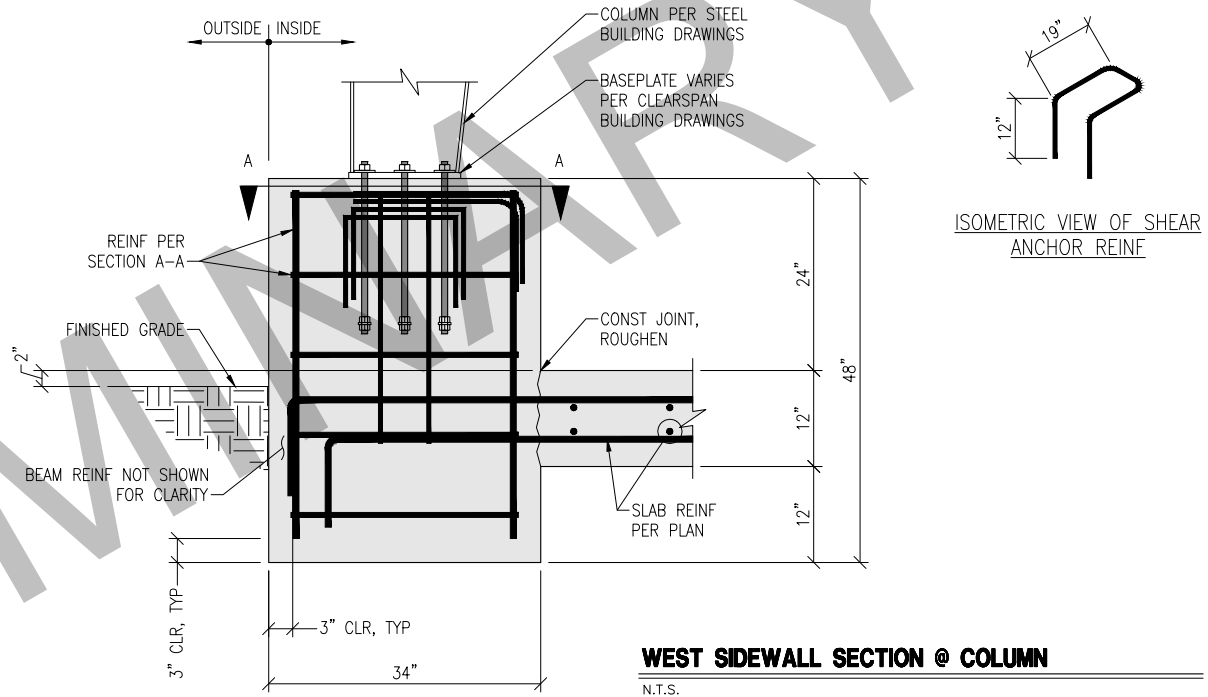
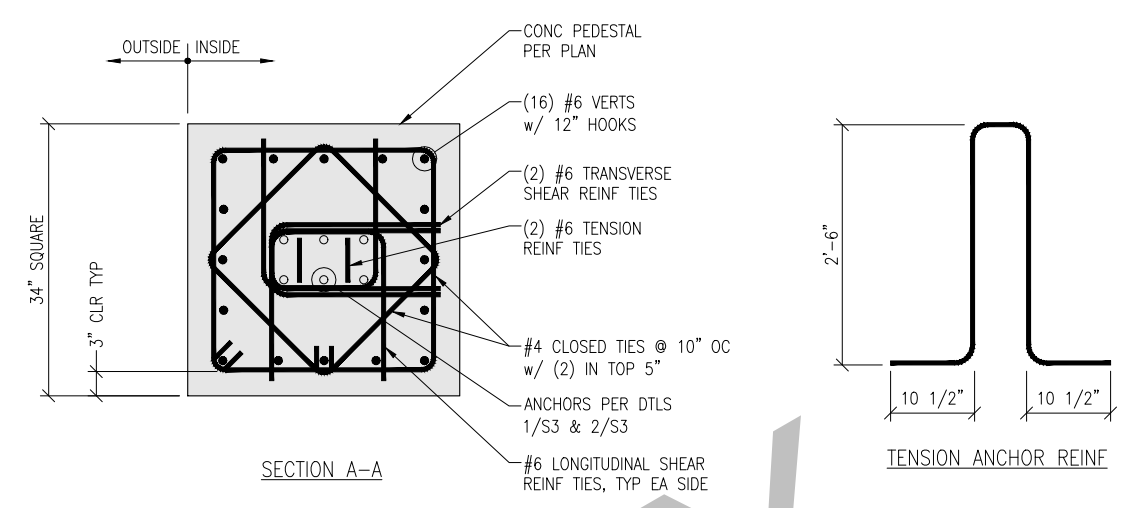
DETAILS
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907270
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY

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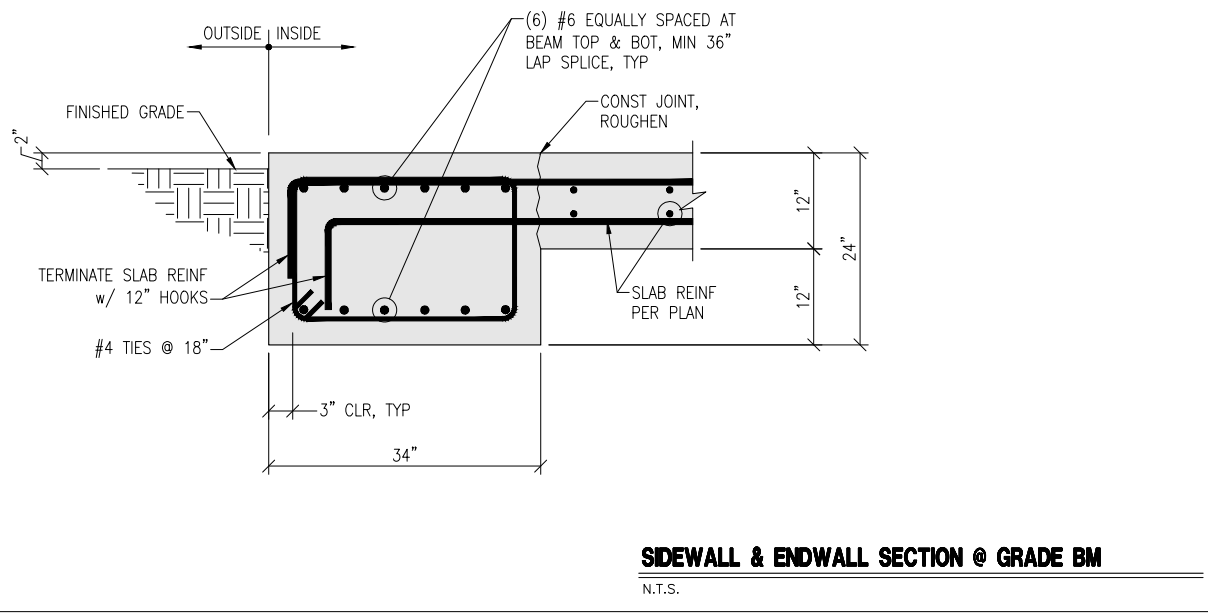
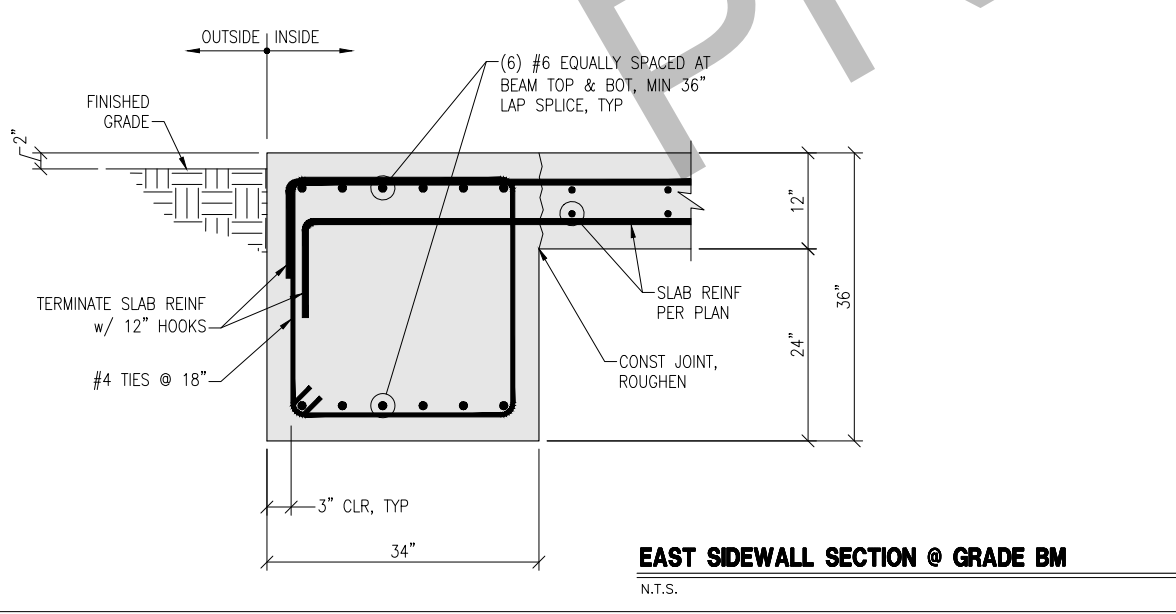
S4 REV 0



EAST SIDEWALL SECTION @ COLUMN
 N.T.S. 3



WEST SIDEWALL SECTION @ COLUMN
 N.T.S. 1



SIDEWALL & ENDWALL SECTION @ GRADE BM
 N.T.S. 2

REVISIONS	
DATE	DESCRIPTION



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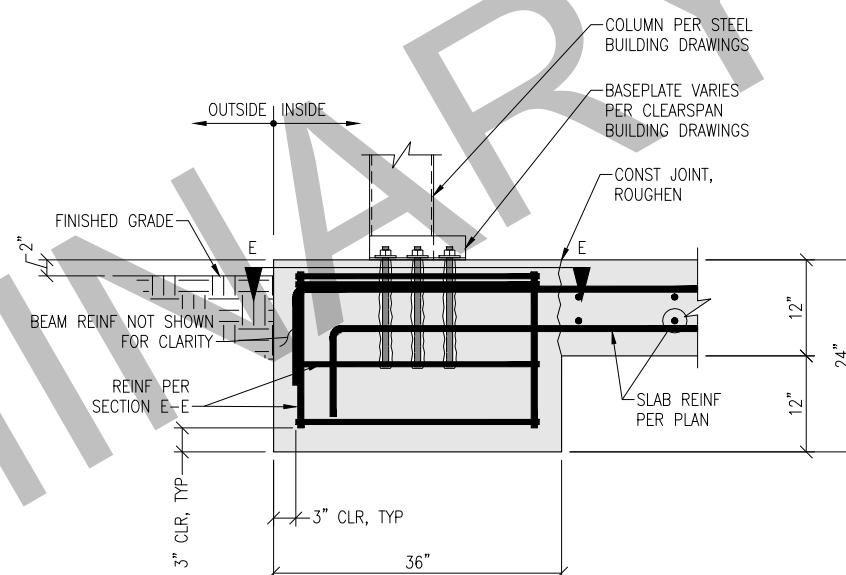
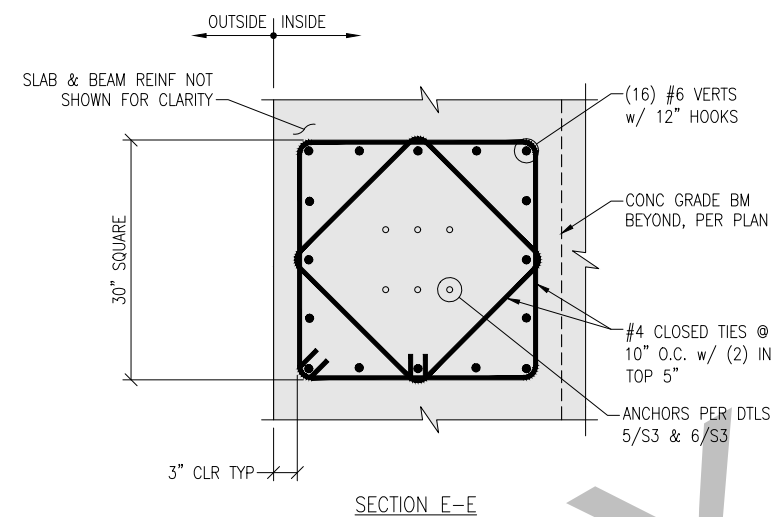
DETAILS

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE
CLEARSPAN ORDER NO. 7907270
350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

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S5

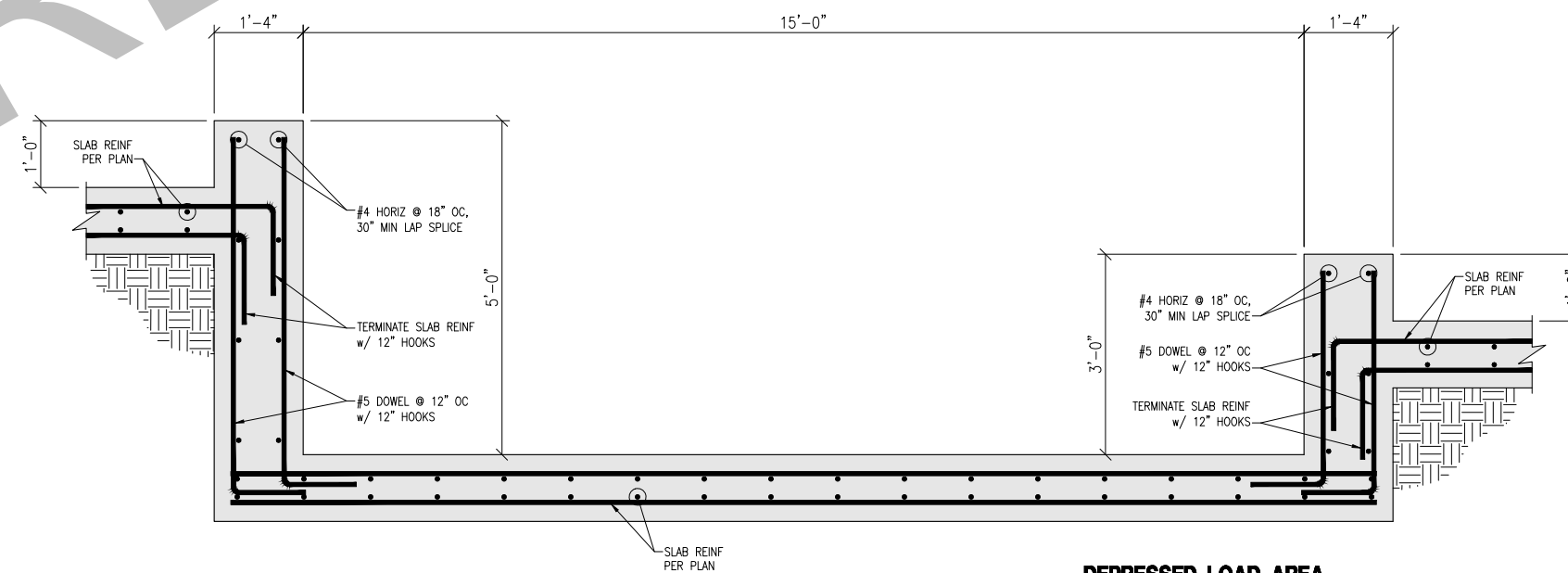
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ENDWALL SECTION @ COLUMN

N.T.S.

1



DEPRESSED LOAD AREA

N.T.S.

2

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 Width (ft) = 125.0
 Length (ft) = 221.3
 Eave Height (ft) = 24.0/ 24.0
 Roof Slope (rise/12) = 4.00/ 4.00
 Roof Dead Load (psf) = 2.3
 Wall Dead Load (psf) = 2.0
 Left Endwall (psf) = 2.0
 Right Endwall (psf) = 2.0
 Front Sidewall (psf) = 2.0
 Back Sidewall (psf) = 2.0
 Roof Live Load (psf) = 20.0
 Frame Live Load (psf) = 12.0
 Collateral Load (psf) = 3.5
 Wind Speed (mph) = 92.0
 Wind Code = CBC 22 (IBC 21)
 Exposure = C
 Closure = Partially Enclosed
 Internal Wind Coeff = -0.55, +0.55
 Risk Category = II - Normal
 Importance - Wind = 1.00
 Importance - Seismic = 1.00
 Seismic Design Category = E
 Seismic Coeff (Sms) = 3.24

- Loading conditions are:
 1 0.6Dead+0.6Wind_Left1
 2 0.6Dead+0.6Wind_Right1
 3 0.6Dead+0.6Wind_Long1L
 4 0.6Dead+0.6Wind_Long2L
 5 1.3Dead+1.3Collateral+0.7Seismic_LongR
 6 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_Left
 7 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_Right
 8 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_LongR
 9 0.3Dead+0.7Seismic_LongL
 10 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
 11 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	Reactions in plane of wall Reactions(k)		Panel Shear (lb/ft)		Note
			Wind Horz	Seismic Horz	Wind	Seis	
L_EW	1						(h)
F_SW	K	1.2	2.63	17.19			
		2.3	2.63	17.19			
		4.5	2.63	17.19			
		5.6	2.63	17.19			
		6.7	2.63	17.19			
		8.9	2.63	17.19			
R_EW	10						(h)
B_SW	A	9,10	2.30	15.04			(b)
		6.7	2.30	15.04			(b)
		4.5	2.30	15.04			(b)
		1.2	2.30	15.04			(b)

(b)Wind bent in bay, base above finish floor
 (h)Rigid frame at endwall

*See RF reactions table for vertical and horizontal reactions in plane of the rigid frame.

Reactions for seismic represent shear force, Eh
 Reaction values shown are unfactored

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Id	Column Line	---Dead---		--Collateral--		----Live----		--Wind_Left1-		-Wind_Right1-		--Wind_Left2-	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1*	A	3.77	6.45	2.25	3.14	7.31	10.37	-14.72	-23.86	-15.32	-20.59	-2.05	-6.38
1*	K	-3.77	6.57	-2.25	3.14	-7.31	10.37	9.54	-20.08	14.72	-23.34	3.62	-3.80
2*	A	5.52	8.96	4.39	6.08	14.25	20.07	-26.39	-41.36	-26.89	-36.16	-1.18	-7.09
2*	K	-5.52	9.09	-4.39	6.08	-14.25	20.07	14.92	-34.98	25.19	-40.18	4.42	-3.25
3*	A	5.52	8.96	4.39	6.07	14.25	20.07	-24.07	-36.73	-23.85	-32.52	1.30	-2.50
3*	K	-5.52	9.09	-4.39	6.07	-14.25	20.07	10.70	-31.08	21.13	-35.30	3.10	-0.02

Frame Id	Column Line	-Wind_Right2-		--Wind_Long1-		--Wind_Long2-		-Seismic_Left		Seismic_Right		Seismic_Long1	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1*	A	-2.64	-3.11	-13.73	-26.17	-16.49	-23.42	-8.61	-2.82	8.61	2.82	0.00	-23.47
1*	K	8.80	-7.07	10.93	-20.96	8.16	-23.70	-8.61	2.82	8.61	-2.82	0.00	-13.80
2*	A	-1.45	-1.76	-24.43	-42.70	-28.69	-38.47	-12.88	-4.21	12.88	4.21	0.00	-23.47
2*	K	14.92	-8.58	18.14	-35.11	13.88	-39.35	-12.88	4.21	12.88	-4.21	0.00	-13.80
3*	A	1.50	1.71	-22.20	-34.57	-25.36	-31.41	-12.88	-4.21	12.88	4.21	0.00	0.00
3*	K	13.43	-4.23	14.92	-31.65	11.75	-34.81	-12.88	4.21	12.88	-4.21	0.00	-13.80

Frame Id	Column Line	Seismic_Long2	
		Horz	Vert
1*	A	0.00	23.47
1*	K	0.00	13.80
2*	A	0.00	23.47
2*	K	0.00	13.80
3*	A	0.00	0.00
3*	K	0.00	13.80

1*	Frame lines:	1	10
2*	Frame lines:	2	4 5 6 7 9
3*	Frame lines:	3	8

ENDWALL COLUMN:

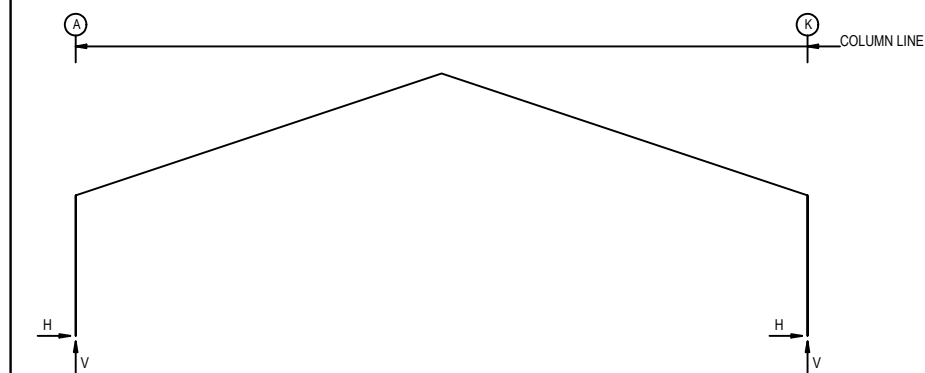
BASIC COLUMN REACTIONS (k):

Frame Line	Column Line	Gravity	Uplift	Outward	Inward
1	B	0.49	1.10	4.08	4.67
1	C	0.59	0.58	3.65	4.13
1	D	0.75	0.52	4.01	4.54
1	E	0.94	0.55	5.61	6.34
1	F	0.75	0.52	4.01	4.54
1	G	0.59	0.58	3.65	4.13
1	J	0.49	1.10	4.08	4.67
10	J	0.49	1.00	4.08	4.67
10	G	0.59	0.55	3.65	4.13
10	F	0.75	0.40	4.01	4.54
10	E	0.94	0.50	5.61	6.34
10	D	0.75	0.40	4.01	4.54
10	C	0.59	0.55	3.65	4.13
10	B	0.49	1.00	4.08	4.67

MAXIMUM REACTIONS (k):

Frame Line	Column Line	Gravity	Uplift	Outward	Inward
1	B	0.63	0.66	2.45	2.80
1	C	0.77	0.35	2.19	2.48
1	D	0.97	0.31	2.40	2.72
1	E	1.22	0.33	3.36	3.81
1	F	0.97	0.31	2.40	2.72
1	G	0.77	0.35	2.19	2.48
1	J	0.63	0.66	2.45	2.80
10	J	0.63	0.60	2.45	2.80
10	G	0.77	0.33	2.19	2.48
10	F	0.97	0.24	2.40	2.72
10	E	1.22	0.30	3.36	3.81
10	D	0.97	0.24	2.40	2.72
10	C	0.77	0.33	2.19	2.48
10	B	0.63	0.60	2.45	2.80

FRAME LINES: 1 2 3 4 5 6 7 8 9 10



RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Column_Reactions(k)		
		Load Id	Horz	Vert
1*	A	4	-7.63	-10.18
		7	17.39	20.98
		8	13.31	31.85
1*	K	9	1.13	-14.49
		2	6.57	-10.07
		4	2.63	-10.28
1*	K	6	-17.39	21.12
		8	-13.31	27.00
		10		

RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Column_Reactions(k)		
		Load Id	Horz	Vert
2*	A	3	-11.35	-20.25
		4	-13.90	-17.70
		7	29.60	35.63
		8	23.25	45.76
2*	K	2	11.80	-18.66
		6	-29.60	35.79
		8	-23.25	40.94
2*	Frame lines:	2	4 5 6 7 9	

RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Column_Reactions(k)		
		Load Id	Horz	Vert
3*	A	1	-11.13	-16.67
		4	-11.91	-13.47
		7	29.60	35.62
3*	K	2	9.36	-15.72
		6	-29.60	35.78
		8	-22.95	40.76
3*	Frame lines:	3	8	

VECTOR ENGINEERS
 651 W Galena Park Blvd., Suite 101 (801) 990-1775
 Draper, UT 84020 (801) 990-1776 FAX
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STRUCTURE REACTIONS
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907270
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY

U1382-1110-251

CLEARSPAN STRUCTURE REACTIONS

(FOR REFERENCE)

N.T.S.

1

S6

REV 0

FOUNDATION SYSTEM FOR CLEARSPAN STRUCTURE

FOUNDATION FOR 72'-10"x120'
CLEARSPAN BUILDING

CLEARSPAN ORDER NO. 7907272

SITE:

350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

DRAWING INDEX

- T1 TITLE SHEET
- N1 GENERAL STRUCTURAL NOTES
- S1 FOUNDATION PLAN
- S2-S3 DETAILS
- S4 STRUCTURE REACTIONS



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TITLE SHEET

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE
CLEARSPAN ORDER NO. 7907272
350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

U1382-1111-251

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0

GENERAL STRUCTURAL NOTES

GENERAL DESIGN NOTES:

STRUCTURAL DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2022 EDITION (2021 IBC) AND THE ASCE 7-16 STANDARD

DESIGN LOADS:

WIND:

ULTIMATE BASIC WIND SPEED: 92 MPH (3-SEC GUST)
RISK CATEGORY: II
EXPOSURE: C

LIVE:

ROOF LIVE LOAD: 20 PSF

INTERIOR MAT LIVE LOAD:

UNIFORM LOAD: 300 PSF
EQUIPMENT LOAD: A 45-KIP FRONT AXLE AND A 15-KIP BACK AXLE SPACED 10' APART WITH A TRANSVERSE WHEEL SPACING OF 7'. CONTACT AREA FOR A TIRE ASSUMED TO BE 24" WIDE AND 12" LONG.

SEISMIC:

SEISMIC DESIGN CAT.: E
SITE CLASS: D-DEFAULT
Ss: 2.70 S1: 0.99
Sds: 2.16 Sd1: 1.67

STEEL MATERIAL NOTES:

1. ALL STEEL SHAPES & PLATES SHALL CONFORM w/ ASTM A36, U.N.O.
2. ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM w/ ASTM A325N, U.N.O.
3. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE w/ THE LATEST VERSION OF THE AMERICAN WELDING SOCIETY AWS D1.1.
4. ALL BOLTED CONNECTIONS SHALL BE TIGHTENED TO "SNUG-TIGHT" CONDITION AS DEFINED BY THE AISC MANUAL.
5. ALL STEEL SHAPES, PLATES, AND HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED, STAINLESS STEEL, OR OTHERWISE PROTECTED FROM WEATHER.

REINFORCING STEEL NOTES:

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.
2. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. REBAR SPLICES ARE TO BE: CLASS "B".
6. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

CONCRETE:

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
2. REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", ACI 318-(LATEST EDITION).
3. ALL STRUCTURAL CONCRETE SHALL HAVE A MIN. 28-DAY STRENGTH OF 4500 PSI.
4. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH THE FOLLOWING REQUIREMENTS:
 - 4.1. COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE
 - 4.2. LARGE AGGREGATE: HARDROCK, ¾" MAXIMUM SIZE CONFORMING TO ASTM C-33
 - 4.3. CEMENT: ASTM C-150, TYPE II PORTLAND CEMENT
 - 4.4. SLUMP: 5" MAX
 - 4.5. WATER CEMENT RATIO: 0.45 MAX
 - 4.6. NO ADMIXTURES, EXCEPT FOR ENTRAINED AIR, AND AS APPROVED BY THE ENGINEER.
5. CONCRETE MIXING OPERATIONS, ETC, SHALL CONFORM TO ASTM C-94.
6. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 614 AND PROJECT SPECIFICATIONS
7. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
 - 7.1. CONCRETE POURED DIRECTLY AGAINST EARTH: 3" CLEAR
 - 7.2. STRUCTURAL SLABS: 3/4" CLEAR, PLACE REINF. @ MID-DEPTH U.N.O.
 - 7.3. FORMED CONCRETE WITH EARTH BACK FILL: 2" CLEAR
8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
9. MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-460, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1. OF ACI 318 FOR THE SPECIFIED 28-DAY STRENGTH.
10. SHRINKAGE OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-157, SHALL NOT EXCEED 0.00040 INCHES/INCH.

FOUNDATION NOTES:

1. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE OF 1,000 PSF PER THE PROJECT SOILS REPORT. FOOTINGS AND FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY:

COMPANY: PACIFIC CREST ENGINEERING
JOB NUMBER: 24033.1-M205-D42
DATE: MARCH 12, 2025
2. CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
3. FOOTINGS SHALL BE PLACED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS.
4. FOOTING BACK FILL AND UTILITY TRENCH BACK FILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS. FLOODING WILL NOT BE PERMITTED.
5. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
6. CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
7. THE TOP OF FOUNDATION SHALL BE LEVEL AND NON-SLOPING, U.N.O.
8. CLEARING, SITE PREPARATION, AND FILL SHALL BE PER REFERENCED GEOTECHNICAL REPORT.

SPECIAL INSPECTIONS / QUALITY ASSURANCE:

1. SPECIAL INSPECTIONS SHALL BE REQUIRED FOR:
 - ALL POST-INSTALLED ANCHORAGE TO CONCRETE
 - STEEL COLUMN ANCHOR BOLT PLACEMENT
 - FORMWORK SHAPE, LOCATION & DIMENSIONS
 - REINFORCEMENT TYPE & PLACEMENT
 - FOUNDATION EXCAVATION
- a. THE OWNERS SHALL EMPLOY SPECIAL INSPECTORS WHO SHALL PROVIDE ADDITIONAL INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 17.
- b. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED INSPECTOR FROM AN ESTABLISHED TESTING AGENCY, LICENSED AND APPROVED BY THE BUILDING DEPARTMENT
- c. THE BUILDING OFFICIAL OR AUTHORIZED REPRESENTATIVE MAY PERFORM THE INSPECTIONS LISTED ABOVE TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS SO LONG AS THEY ARE QUALIFIED TO DO SO.
- d. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO VECTOR STRUCTURAL ENGINEERING AND ALL INTERESTED PARTIES.
2. STRUCTURAL TESTING IS NOT REQUIRED.
3. ALL REPORTS SHALL BE DISTRIBUTED ON A MONTHLY BASIS TO THE ENGINEER OF RECORD, OWNER, CONTRACTOR, AND TO THE BUILDING OFFICIAL.
4. NO STRUCTURAL OBSERVATION IS REQUIRED. HOWEVER, THE ENGINEER OF RECORD RESERVES THE RIGHT TO MAKE FIELD OBSERVATIONS DURING CONSTRUCTION APPROXIMATELY ONCE PER WEEK.

NOTE:
THE MAT DESIGN LIVE LOADS SHALL BE POSTED IN ACCORDANCE WITH SECTION 106.1 OF THE CALIFORNIA BUILDING CODE.

PRELIMINARY



651 W Galena Park Blvd., Suite 101 (801) 990-1775
Draper, UT 84020 (801) 990-1776 FAX
www.vectorse.com

DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

REVISIONS	
DATE	DESCRIPTION

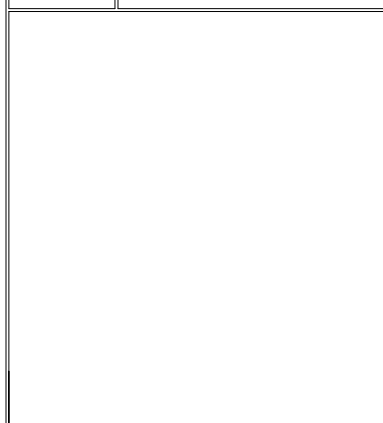
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Dyersville, IA 52040
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GENERAL STRUCTURAL NOTES

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE

CLEARSPAN ORDER NO. 7907272

350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY



U1382-1111-251

N1	REV
0	0

FOUNDATION NOTES:
 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH STEEL BUILDING DRAWINGS PRIOR TO CONSTRUCTION.
 2. SEE STEEL BUILDING DRAWINGS FOR ALL INFORMATION PERTAINING TO THE STEEL BUILDING.

NOTE: METAL BUILDING SYSTEMS REQUIRE LARGE LOADS TO BE TRANSFERRED THROUGH ANCHOR BOLTS. THERE ARE NO RETROFIT OPTIONS. EXTRA CARE SHOULD BE GIVEN TO LOCATING ANCHORS, AND CASTING ANCHORS IN-PLACE DURING CONCRETE POUR

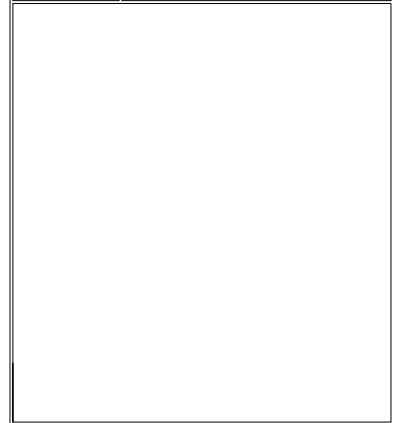
DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

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DATE	DESCRIPTION



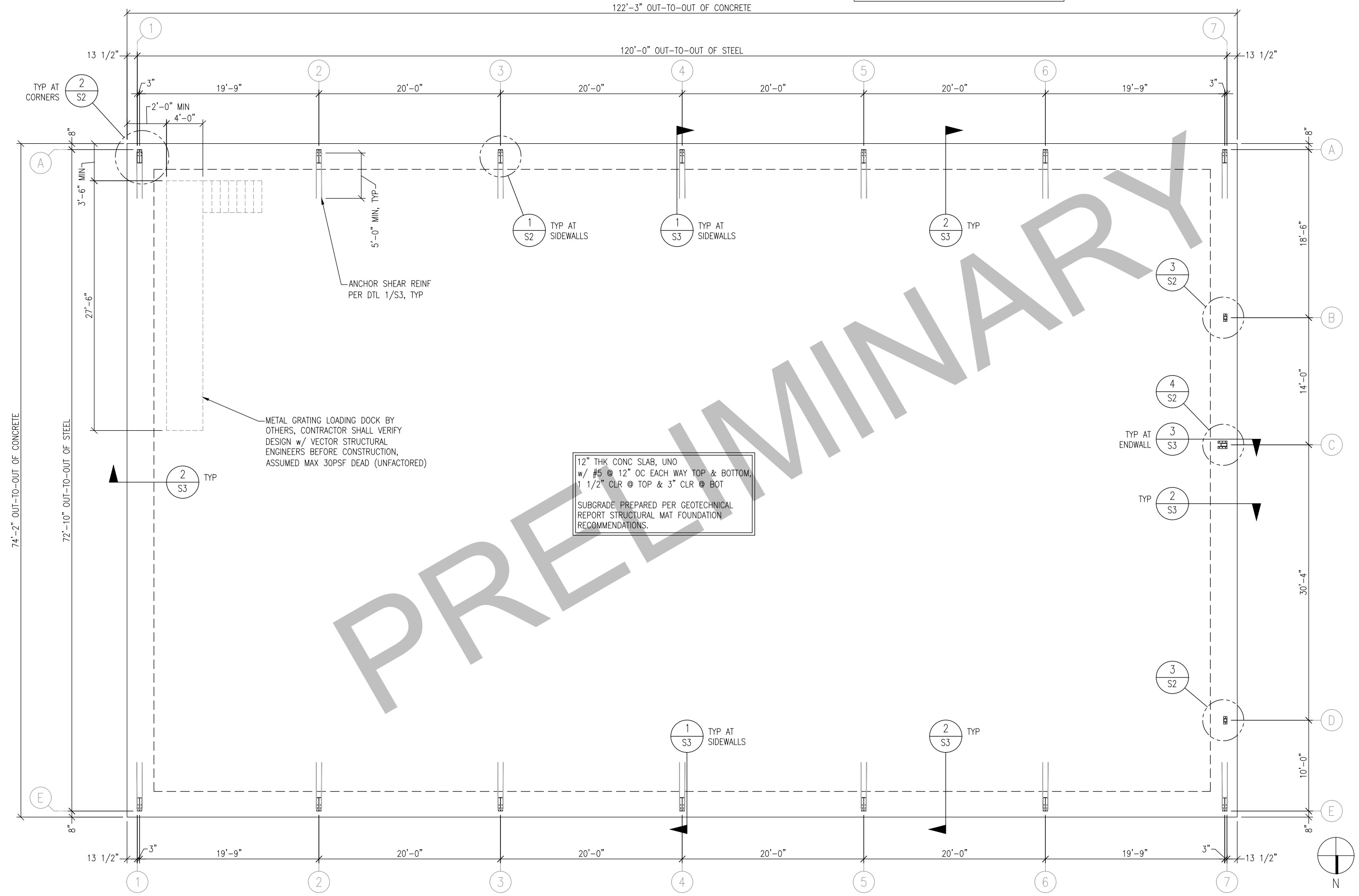
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FOUNDATION PLAN
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907272
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY



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S1 REV 0



FOUNDATION PLAN
 N.T.S.

1

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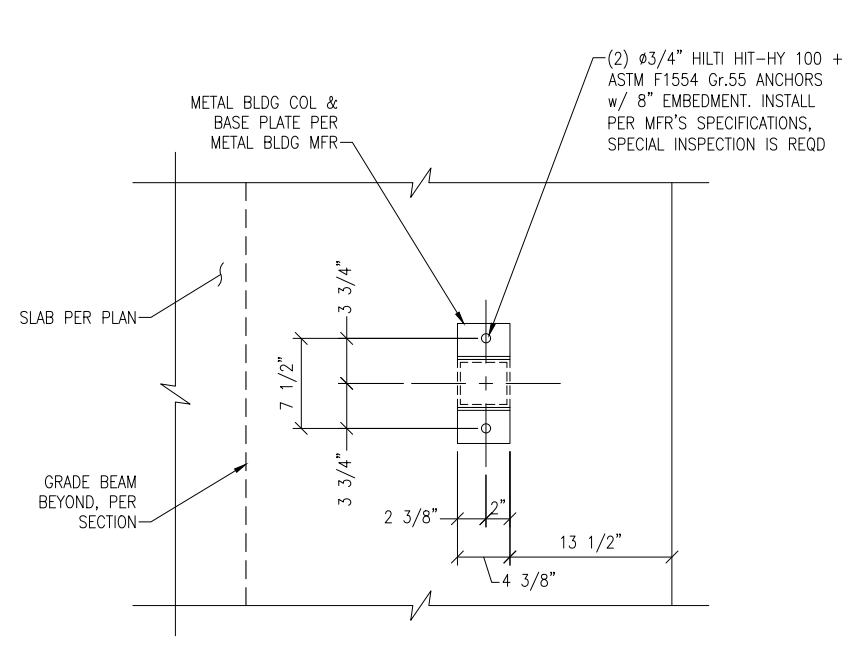
DETAILS

FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE

CLEARSPAN ORDER NO. 7907272
350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY

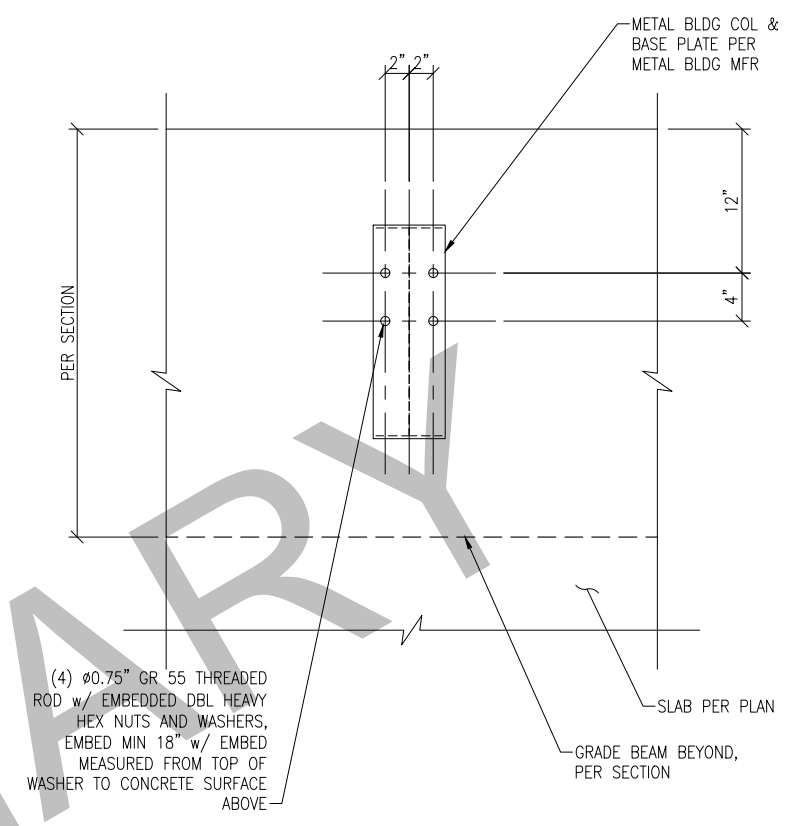
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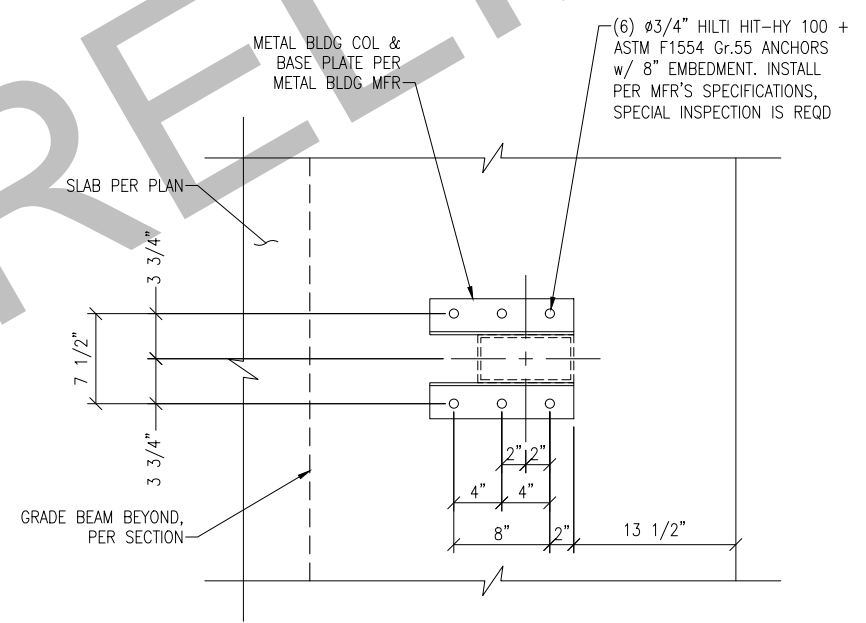
ANCHORAGE @ ENDWALL (BASEPLATE A)
N.T.S.

3



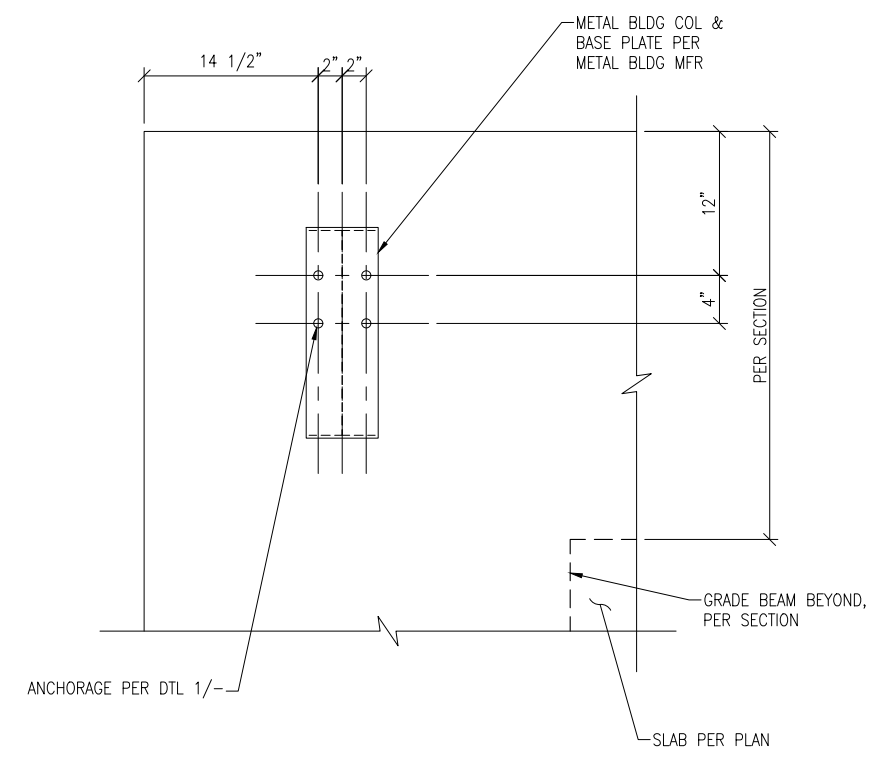
ANCHORAGE @ SIDEWALLS, TYP
N.T.S.

1



ANCHORAGE @ ENDWALL (BASEPLATE B)
N.T.S.

4



ANCHORAGE @ CORNERS, TYP
N.T.S.

2

REVISIONS	
DATE	DESCRIPTION

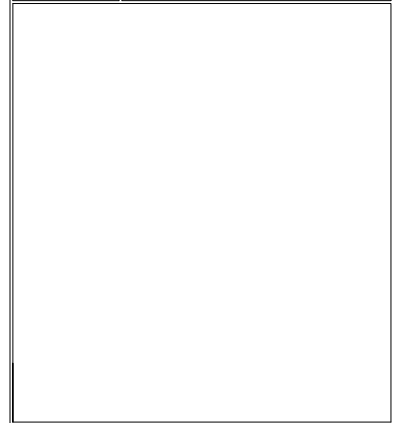


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DETAILS

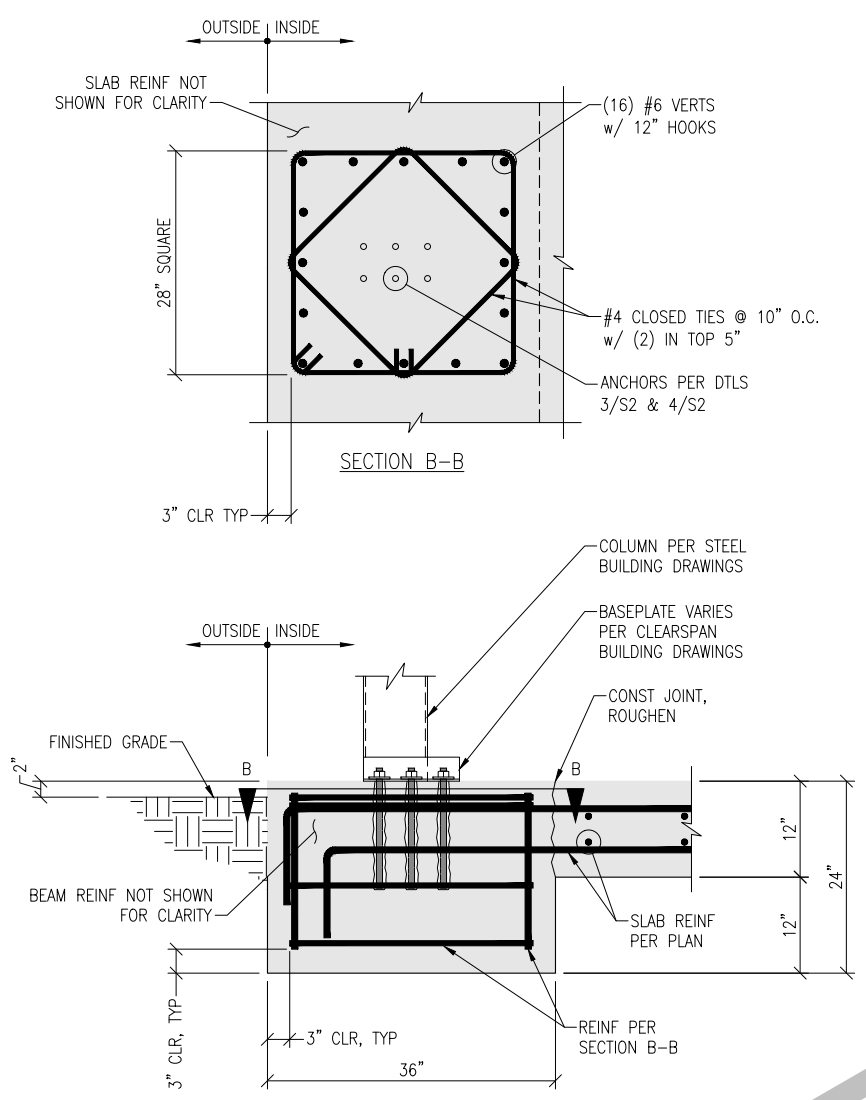
FOUNDATION SYSTEM FOR
CLEARSPAN STRUCTURE

CLEARSPAN ORDER NO. 7907272
350 CRAZY HORSE CANYON ROAD
SALINAS, CA 93902
MONTEREY COUNTY



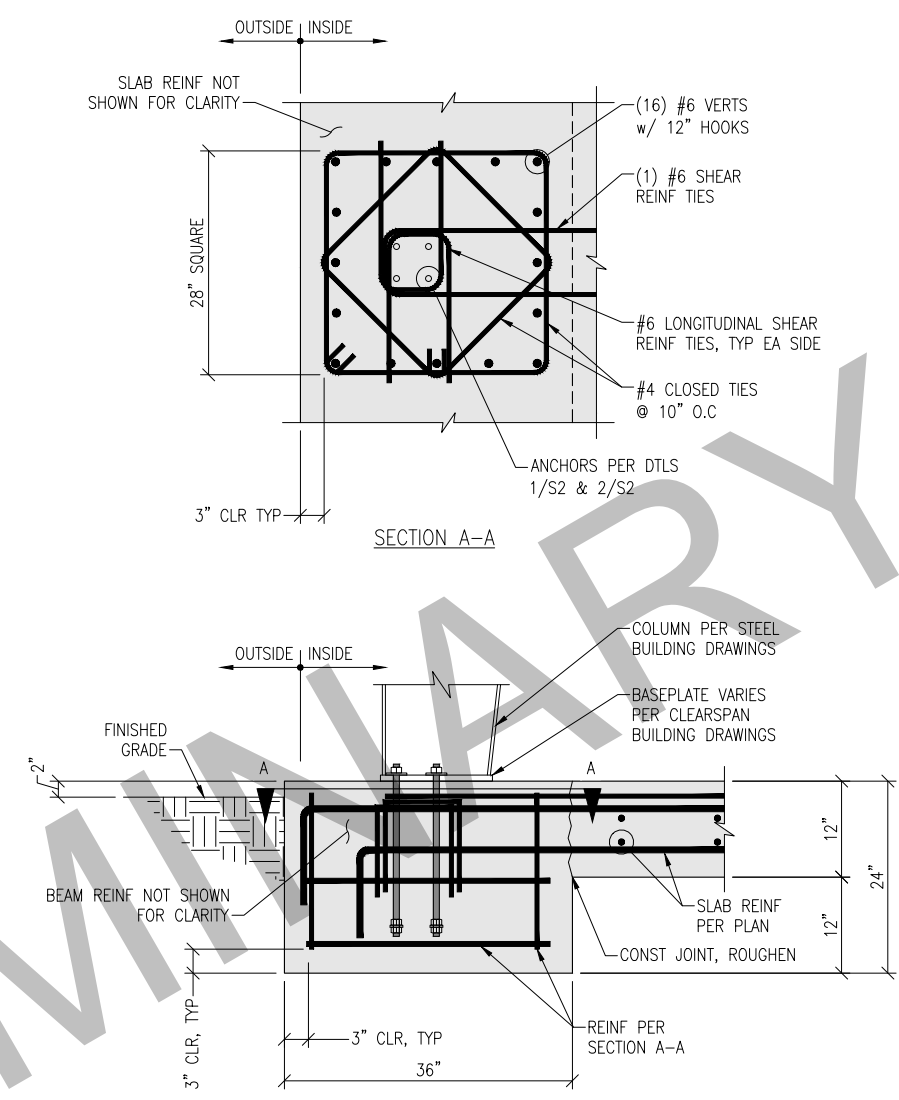
U1382-1111-251

S3 REV
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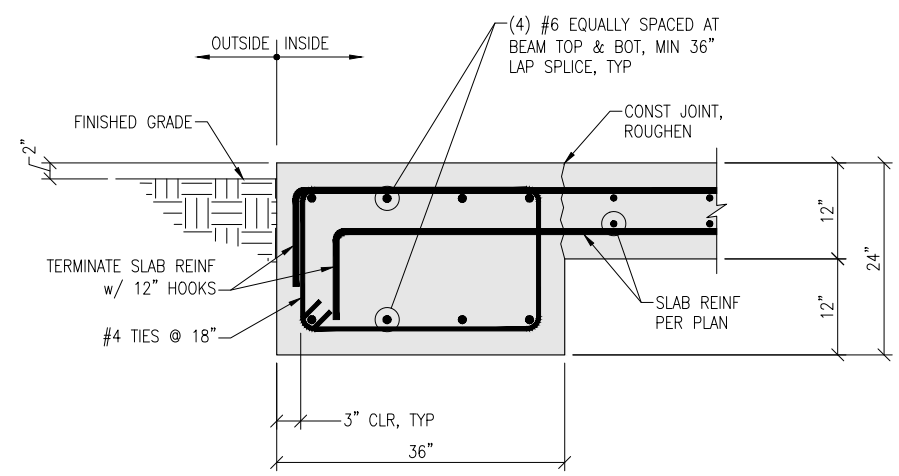
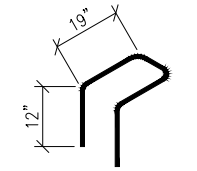
ENDWALL SECTION @ COLUMN
N.T.S.

3



SIDEWALL SECTION @ COLUMN
N.T.S.

1



SIDEWALL SECTION @ GRADE BM
N.T.S.

2

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 - Width (ft) = 72.8
 - Length (ft) = 120.0
 - Eave Height (ft) = 18.0/ 18.0
 - Roof Slope (rise/12) = 4.00/ 4.00
 - Roof Dead Load (psf) = 2.3
 - Wall Dead Load (psf) = 2.0
 - Left Endwall (psf) = 2.0
 - Right Endwall (psf) = 2.0
 - Front Sidewall (psf) = 2.0
 - Back Sidewall (psf) = 2.0
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 12.0
 - Collateral Load (psf) = 3.5
 - Wind Speed (mph) = 92.0
 - Wind Code = CBC 22 (IBC 21)
 - Exposure = C
 - Closure = Partially Enclosed
 - Internal Wind Coeff = -0.55, +0.55
 - Risk Category = II - Normal
 - Importance - Wind = 1.00
 - Importance - Seismic = 1.00
 - Seismic Design Category = E
 - Seismic Coeff (Sms) = 3.24
- Loading conditions are:
 - 0.6Dead+0.6Wind_Left1
 - 0.6Dead+0.6Wind_Right1
 - 0.6Dead+0.6Wind_Long1L
 - 0.6Dead+0.6Wind_Long2L
 - 1.3Dead+1.3Collateral+0.7Seismic_Right
 - 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_Left
 - 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_Right
 - 1.22Dead+1.22Collateral+0.75Live+0.53Seismic_LongR
 - 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
 - 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L

BUILDING BRACING REACTIONS

Wall Loc	Line	Col Line	Reactions in plane of wall		Panel Shear (lb/ft)		Note
			Wind Horz	Seismic Horz	Wind	Seis	
L_EW	1						(h)
F_SW	E	1,2	1.89	9.80			
		2,3	1.89	9.80			
		5,6	1.89	9.80			
		6,7	1.89	9.80			
R_EW	7					(h)	
B_SW	A	7,6	1.89	9.80			
		6,5	1.89	9.80			
		3,2	1.89	9.80			
		2,1	1.89	9.80			

(h)Rigid frame at endwall

*See RF reactions table for vertical and horizontal reactions in plane of the rigid frame.

Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored

RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Load Id	Column_Reactions(k)		
			Horz	Vert	Vert
4*	A	1	-2.81	-4.86	
		3	-0.76	-4.90	
		7	6.79	9.42	
		8	4.78	12.13	
4*	E	2	2.81	-4.86	
		4	0.76	-4.90	
		6	-6.79	9.42	
		8	-4.78	12.13	
4*	Frame lines:	7			

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Id	Column Line	----Dead----		--Collateral--		----Live----		--Wind_Left1-		-Wind_Right1-		--Wind_Left2-	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1*	A	1.23	2.46	0.87	1.49	2.83	4.97	-5.90	-10.55	-2.41	-8.51	-4.06	-3.27
1*	E	-1.23	-2.46	-0.87	-1.49	-2.83	-4.97	2.41	8.51	5.90	10.55	0.56	-1.23
2*	A	1.79	3.46	1.73	2.94	5.62	9.81	-10.05	-18.29	-3.11	-14.80	-7.26	-3.91
2*	E	-1.79	-3.46	-1.73	-2.94	-5.62	-9.81	3.11	14.80	10.05	18.29	0.32	-0.41
3*	A	1.79	3.46	1.73	2.94	5.62	9.81	-8.98	-16.79	-2.01	-13.62	-6.89	-2.40
3*	E	-1.79	-3.46	-1.73	-2.94	-5.62	-9.81	2.01	13.62	8.98	16.79	-0.08	0.76
4*	A	1.23	2.46	0.87	1.49	2.83	4.97	-5.90	-10.55	-2.41	-8.51	-4.06	-3.27
4*	E	-1.23	-2.46	-0.87	-1.49	-2.83	-4.97	2.41	8.51	5.90	10.55	0.56	-1.23
1*	A	-0.56	-1.23	-2.49	-10.63	-3.64	-9.58	-3.97	-1.66	3.97	1.66	0.00	-6.78
1*	E	4.06	-3.27	3.64	-9.58	2.49	-10.63	-3.97	1.66	3.97	-1.66	0.00	-6.78
2*	A	-0.32	-0.41	-4.17	-17.45	-5.87	-15.89	-6.27	-2.62	6.27	2.62	0.00	-6.78
2*	E	7.26	-3.91	5.87	-15.89	4.17	-17.45	-6.27	2.62	6.27	-2.62	0.00	-6.78
3*	A	0.08	0.76	-3.65	-16.05	-5.05	-14.78	-6.27	-2.62	6.27	2.62	0.00	-6.70
3*	E	6.89	-2.40	5.05	-14.78	3.65	-16.05	-6.27	2.62	6.27	-2.62	0.00	-6.70
4*	A	-0.56	-1.23	-2.49	-10.63	-3.64	-9.58	-3.97	-1.66	3.97	1.66	0.00	-6.78
4*	E	4.06	-3.27	3.64	-9.58	2.49	-10.63	-3.97	1.66	3.97	-1.66	0.00	-6.78
1*	A	0.00	6.78										
1*	E	0.00	6.78										
2*	A	0.00	6.78										
2*	E	0.00	6.78										
3*	A	0.00	6.70										
3*	E	0.00	6.70										
4*	A	0.00	6.78										
4*	E	0.00	6.78										
1*	Frame lines:	1											
2*	Frame lines:	2 6											
3*	Frame lines:	3 4 5											
4*	Frame lines:	7											

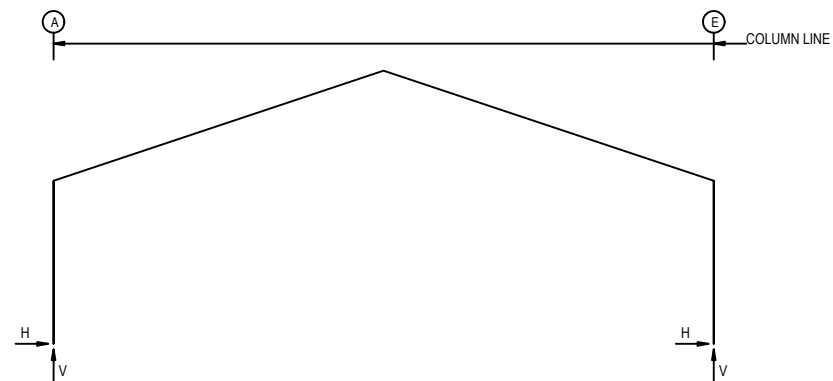
ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Gravity	Uplift	Outward	Inward
7	B	0.25	1.10	2.49	2.82
7	C	0.44	1.42	4.18	4.73
7	D	0.22	1.47	2.68	3.05

ENDWALL COLUMN: MAXIMUM REACTIONS (k)

Frame Line	Column Line	Gravity	Uplift	Outward	Inward
7	B	0.33	0.66	2.49	2.82
7	C	0.58	0.85	4.18	4.73
7	D	0.28	0.88	2.68	3.05

FRAME LINES: 1 2 3 4 5 6 7



RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Load Id	Column_Reactions(k)		
			Horz	Vert	Vert
1*	A	1	-2.81	-4.86	
		3	-0.76	-4.90	
		7	6.79	9.42	
		8	4.78	12.13	
1*	E	2	2.81	-4.86	
		4	0.76	-4.90	
		6	-6.79	9.42	
		8	-4.78	12.13	
1*	Frame lines:	1			

RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Load Id	Column_Reactions(k)		
			Horz	Vert	Vert
2*	A	1	-4.96	-8.90	
		7	11.83	16.55	
		8	8.61	18.76	
		8	8.61	18.76	
2*	E	2	4.96	-8.90	
		6	-11.83	16.55	
		8	-8.61	18.76	
		8	-8.61	18.76	
2*	Frame lines:	2 6			

RIGID FRAME: MAXIMUM REACTIONS

Frm Id	Col Line	Load Id	Column_Reactions(k)		
			Horz	Vert	Vert
3*	A	1	-4.31	-7.99	
		7	11.83	16.55	
		8	8.61	18.71	
3*	E	2	4.31	-7.99	
		6	-11.83	16.55	
		8	-8.61	18.71	
3*	Frame lines:	3 4 5			

VECTOR ENGINEERS
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 www.vectorse.com

DATE: 09/24/2025 DESIGNED: JGC DRAFTER: JGC

REVISIONS	
DATE	DESCRIPTION

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 Dyersville, IA 52040
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STRUCTURE REACTIONS
 FOUNDATION SYSTEM FOR
 CLEARSPAN STRUCTURE
 CLEARSPAN ORDER NO. 7907272
 350 CRAZY HORSE CANYON ROAD
 SALINAS, CA 93902
 MONTEREY COUNTY

U1382-1111-251

CLEARSPAN STRUCTURE REACTIONS

(FOR REFERENCE)

N.T.S.

1

S4

REV 0

SHEET C2.2

SHEET C2.0

SHEET C2.1

SHEET C2.3

GRADING DATA

CUT	1,516 CY
FILL	2,940 CY
NET	1,424 CY IMPORT
TOTAL DISTURBED AREA	130,605 SF (3.00 ACRES)

LEGEND

PROPOSED CONCRETE	
PROPOSED ASPHALT	
PROPOSED MAJOR CONTOUR	190
PROPOSED MINOR CONTOUR	189
EXISTING MAJOR CONTOUR	190
EXISTING MINOR CONTOUR	189
LIMIT OF GRADING	
FLOW LINE	
SPOT ELEVATION	+ 46.21
STORM DRAIN	
CATCH BASIN	

ABBREVIATIONS

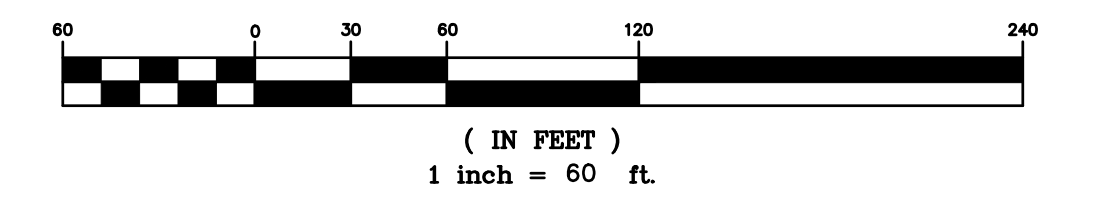
AC	ASPHALT CONCRETE
BW	BALK OF WALL
DI	DRAIN INLET
(E)	EXISTING
EP	EDGE OF PAVEMENT
ERS	EMERGENCY RESPONSE STORAGE
ETW	EDGE OF TRAVEL WAY
FB	FACE OF BERM
FC	FACE OF CURB
FSE	FINISH SLAB ELEVATION
FL	FLOWLINE
FW	FACE OF WALL
HP	HIGH-POINT
GR	GRATE
INV	INVERT
MH	MANHOLE
SD	STORM DRAIN
SS	SANITARY SEWER
SWL	SWALE
TW	TOP OF WALL
P	PAVEMENT

SHEET INDEX

C1.0	PRELIMINARY SITE PLAN
C2.0	PRELIMINARY GRADING AND DRAINAGE PLAN SHEET 1
C2.1	PRELIMINARY GRADING AND DRAINAGE PLAN SHEET 2
C2.2	PRELIMINARY GRADING AND DRAINAGE PLAN SHEET 3
C2.3	PRELIMINARY GRADING AND DRAINAGE PLAN SHEET 3
C2.4	GRADING SECTIONS AND PROFILES
C2.5	PRELIMINARY SLOPE MAP

NOTE:
 THE BACKGROUND FOR THESE PLANS IS BASED ON DRONE SURVEY CURRENTLY UPDATED BACKGROUND FOR THE FINAL CONSTRUCTION DOCUMENTS WILL BE A COMBINATION OF GROUND SURVEY WORK AND DRONE WORK. THIS WILL ENTAIL TYING TO PUBLISHED BENCHMARK, DEVELOPING GROUND CONTROL NETWORK, DRONE WORK AND GROUND SURVEY FILL IN WORK.

GRAPHIC SCALE

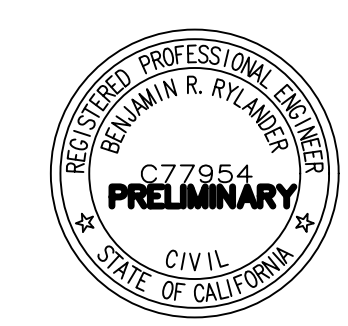


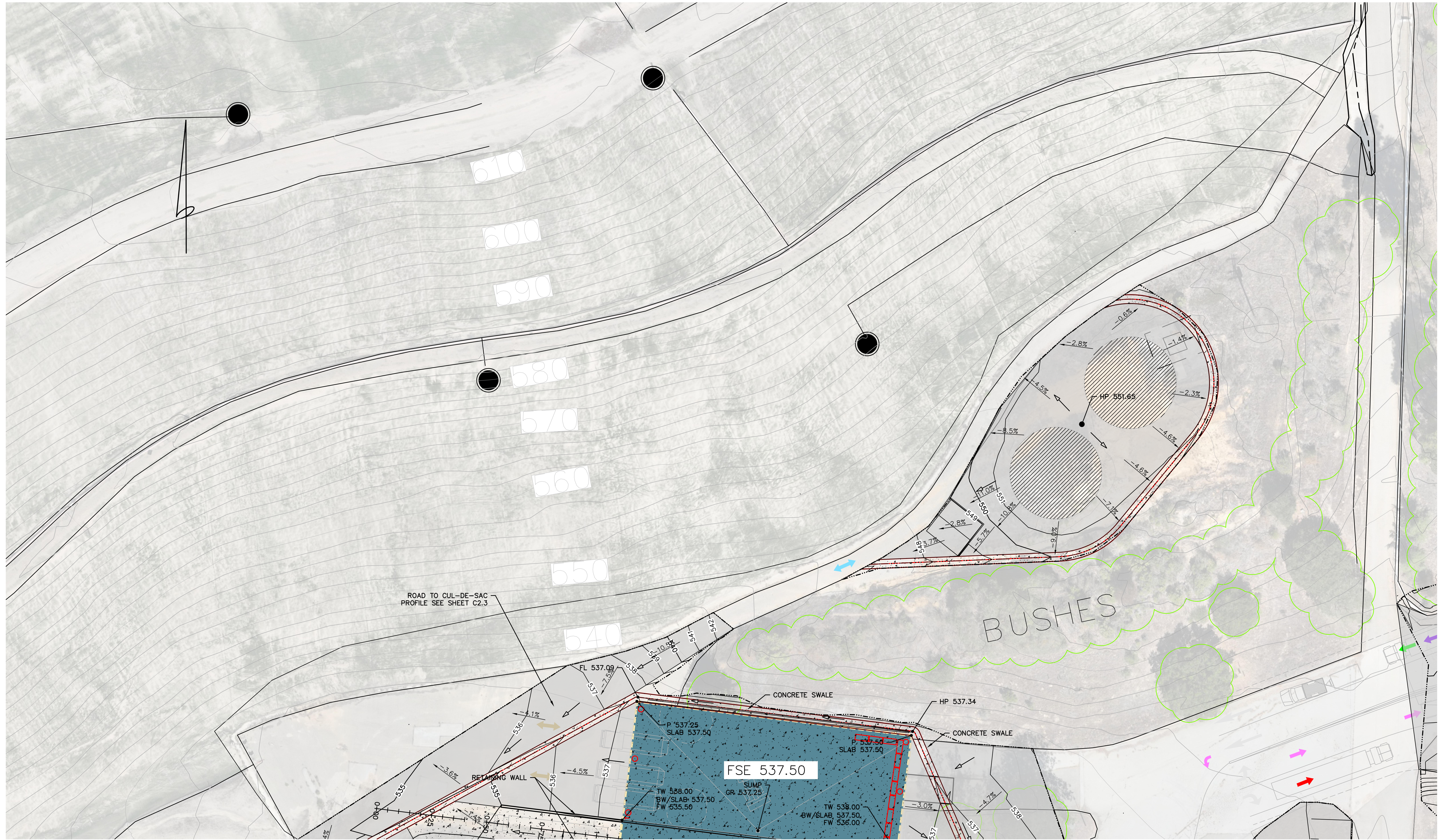
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APN 125-2710-63

REVISIONS			
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SCALE 1" = 60'	DRAWN CMM/BRR	JOB NO. 29330.01	SHEET
DATE MARCH 2026	CHECKED BRR	INDEX MONTEREY COUNTY	C1.0
DESIGN CMM/BRR	DWG NAME CRAZY HORSE	FILE NO. 29330	OF 6





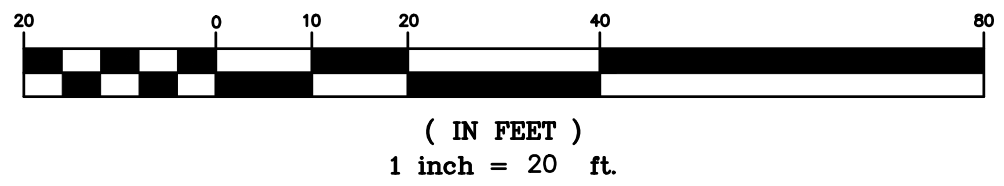
ROAD TO CUL-DE-SAC
PROFILE SEE SHEET C2.3

BUSHES

FSE 537.50

SUMP
GR 537.25
TW 538.00
BW/SLAB 537.50
FW 535.50

GRAPHIC SCALE



PRELIMINARY GRADING PLAN

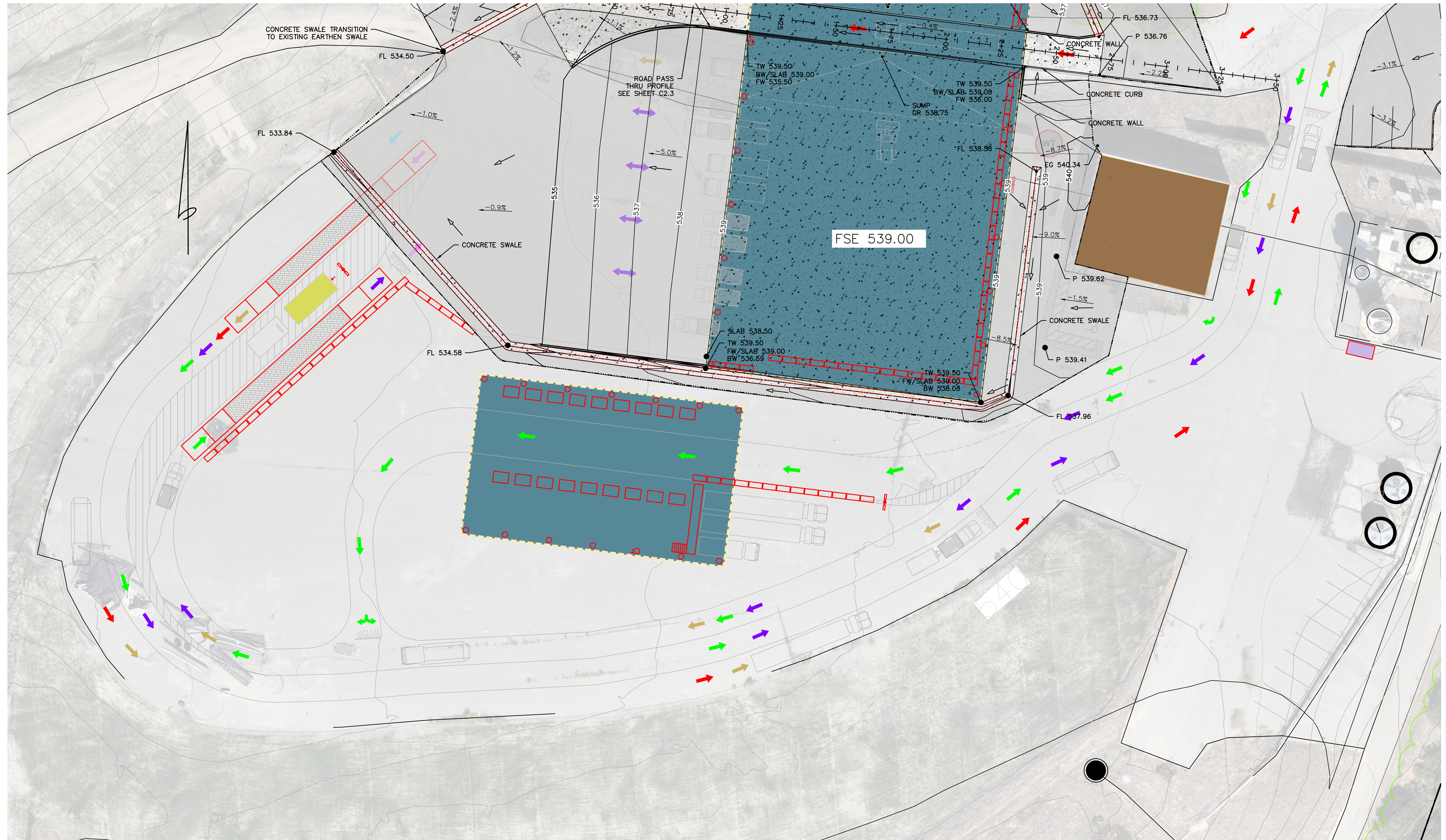
SCALE: 1" = 20'-0"

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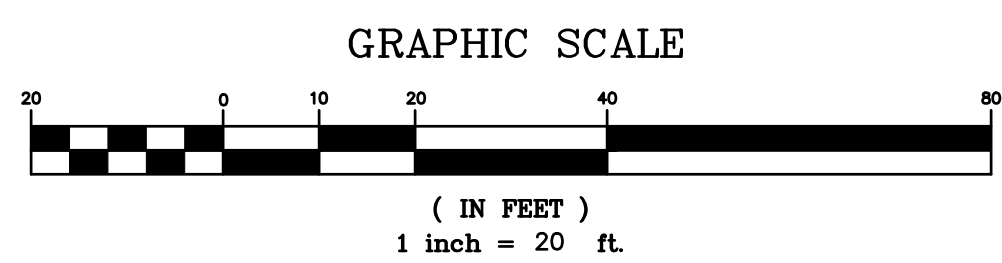


BOWMAN & WILLIAMS CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS 3949 RESEARCH PARK COURT, SUITE 100 SOQUEL, CA 95073-2094 (831) 426-3560		PRELIMINARY GRADING AND DRAINAGE PLAN CRAZY HORSE CANYON ROAD J.R. MILLER & ASSOCIATES, INC. 2700 SATURN STREET BREYA, CALIFORNIA 92821	
SCALE 1" = 20' DATE MARCH 2026 DESIGN CMM/BRR	DRAWN CMM/BRR CHECKED BRR DWG NAME CRAZY HORSE	JOB NO. 29330.01 INDEX MONTEREY COUNTY FILE NO. 29330	SHEET C2.0 OF 6

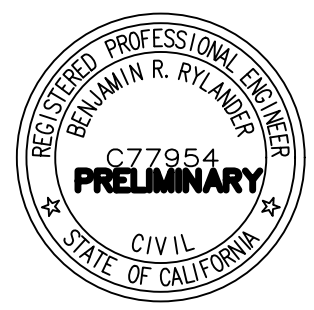


PRELIMINARY GRADING AND DRAINAGE PLAN

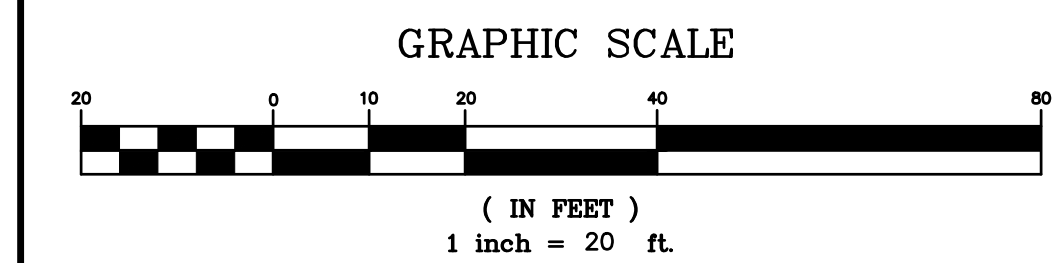
SCALE: 1" = 20'-0"



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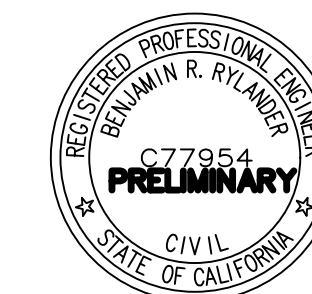
APN 125-2710-63			
BOWMAN & WILLIAMS CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS 3949 RESEARCH PARK COURT, SUITE 100 SOQUEL, CA 95073-2094 (831) 426-3560		PRELIMINARY GRADING AND DRAINAGE PLAN CRAZY HORSE CANYON ROAD J.R. MILLER & ASSOCIATES, INC. 2700 SATURN STREET BREA, CALIFORNIA 92821	
SCALE 1" = 20'	DRAWN CMM/BRR	JOB NO. 29330.01	SHEET C2.1
DATE MARCH 2026	CHECKED BRR	INDEX MONTEREY COUNTY	OF 6
DESIGN CMM/BRR	DWG NAME CRAZY HORSE	FILE NO. 29330	



PRELIMINARY GRADING PLAN

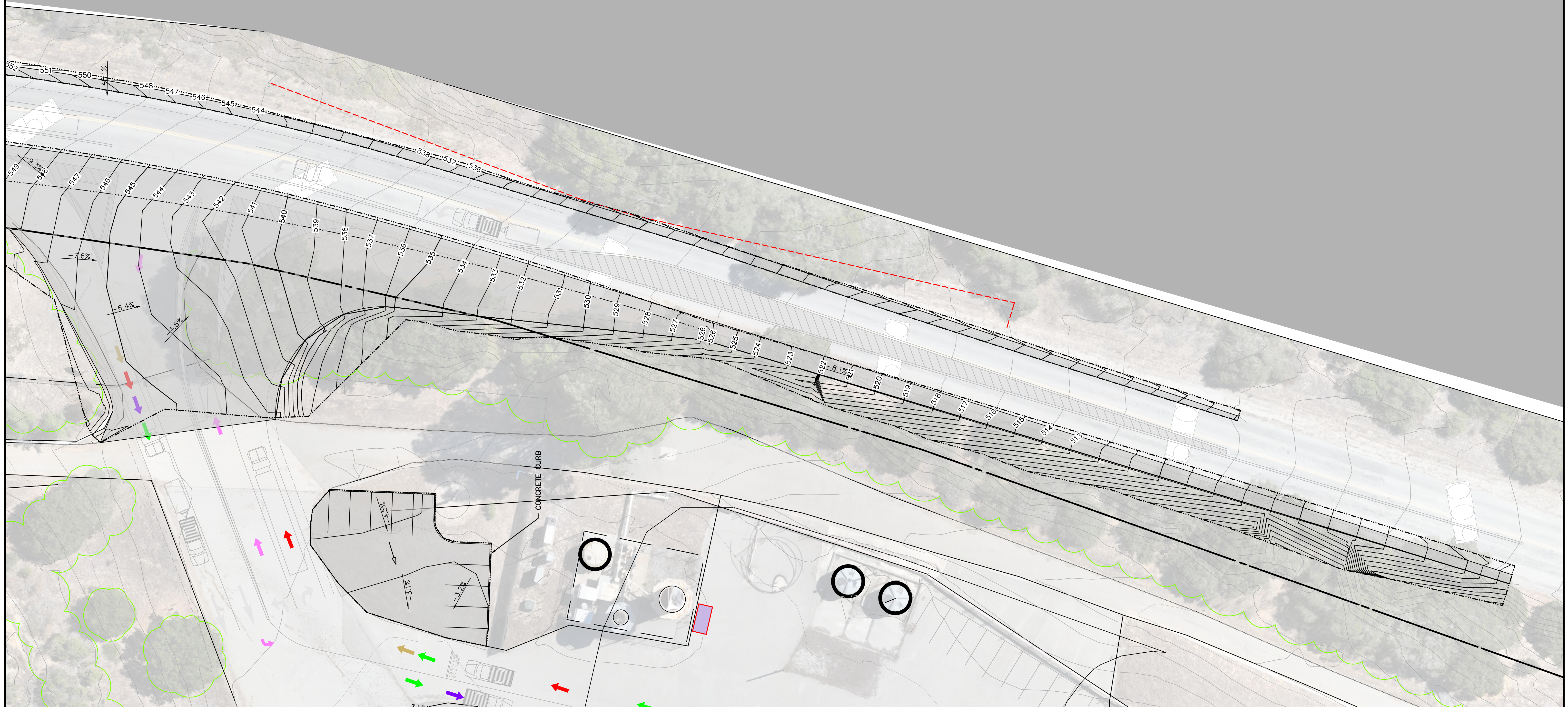
SCALE: 1" = 20'-0"

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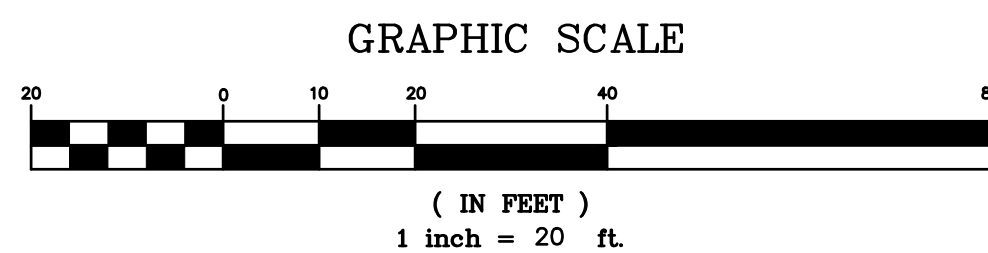
APN 125-2710-63

REVISIONS		BOWMAN & WILLIAMS CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS 3949 RESEARCH PARK COURT, SUITE 100 SOQUEL, CA 95073-2094 (831) 426-3560		PRELIMINARY GRADING AND DRAINAGE PLAN	
CRAZY HORSE CANYON ROAD J.R. MILLER & ASSOCIATES, INC. 2700 SATURN STREET BREA, CALIFORNIA 92821		CIVIL ENGINEER PRELIMINARY		SHEET C2.2	
SCALE 1" = 20'	DRAWN CMM/BRR	JOB NO. 29330.01	INDEX MONTEREY COUNTY		
DATE MARCH 2026	CHECKED BRR	FILE NO. 29330	OF 6		
DESIGN CMM/BRR	DWG NAME CRAZY HORSE				



PRELIMINARY GRADING PLAN

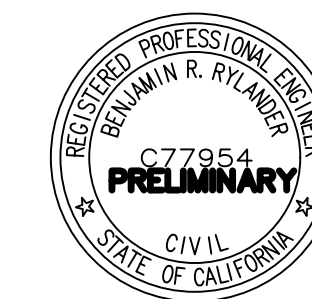
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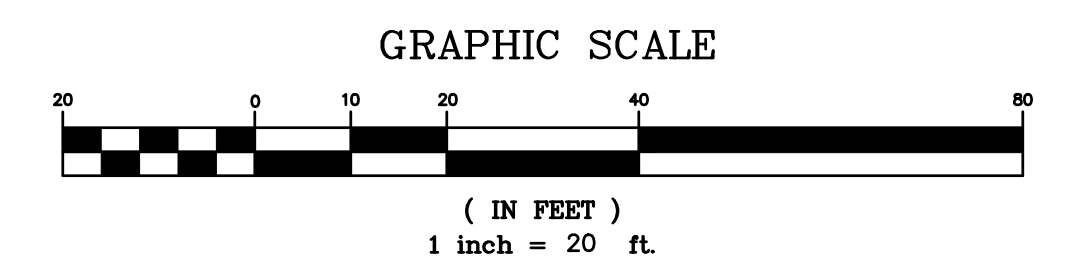
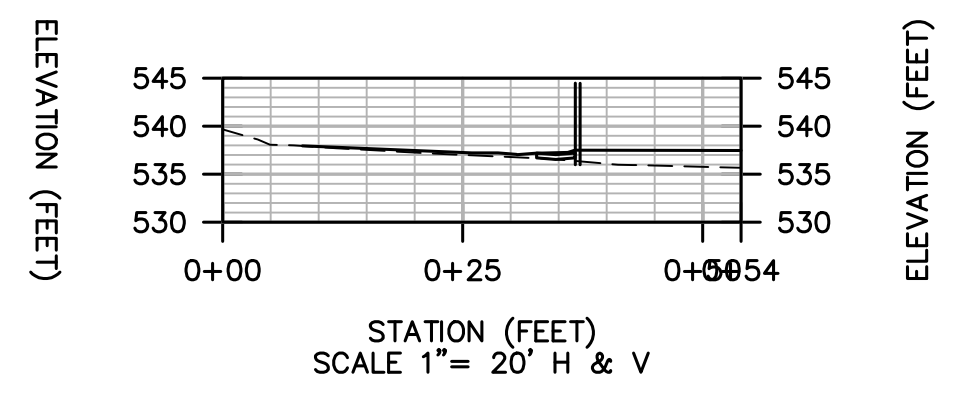
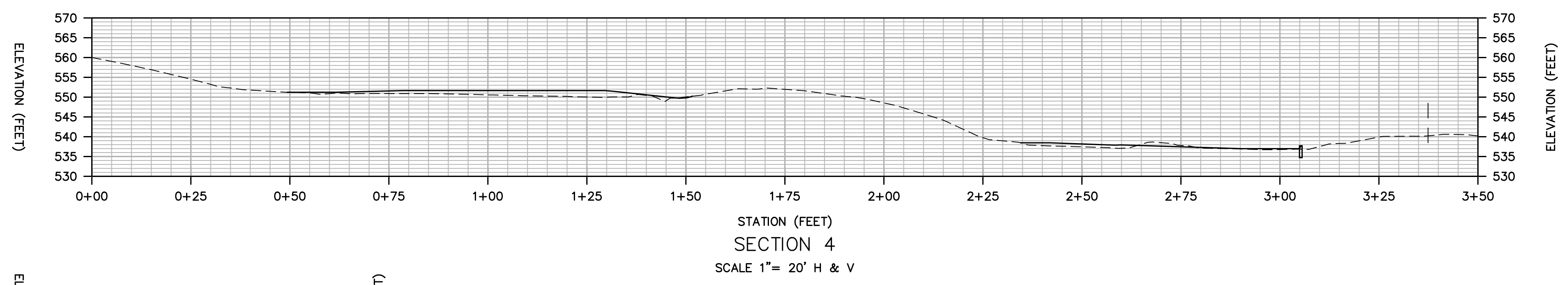
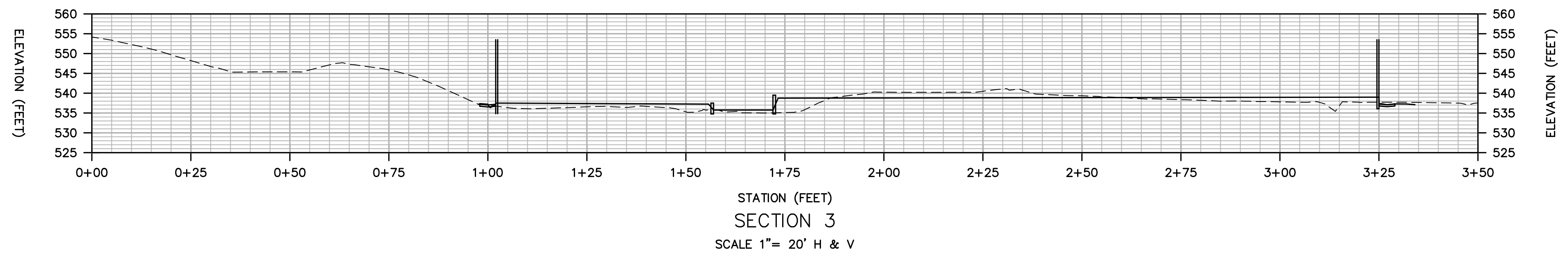
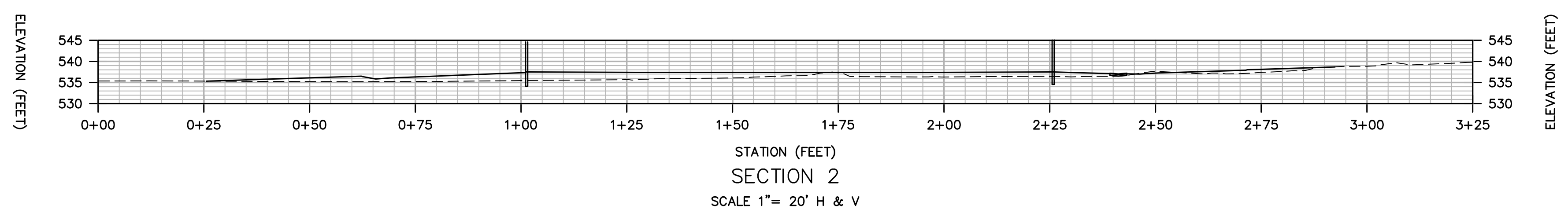
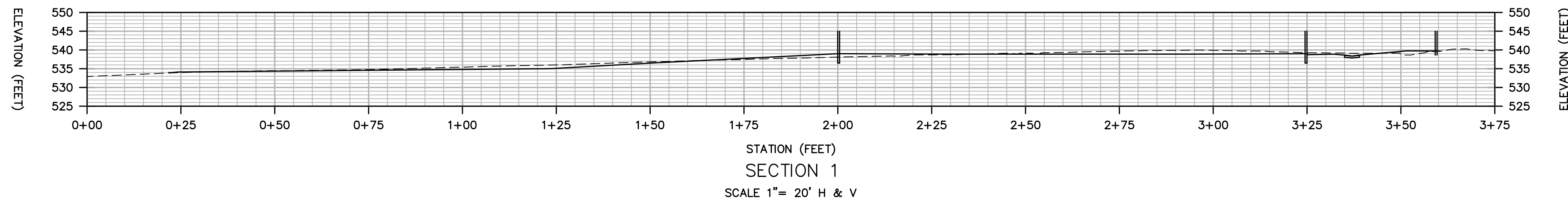
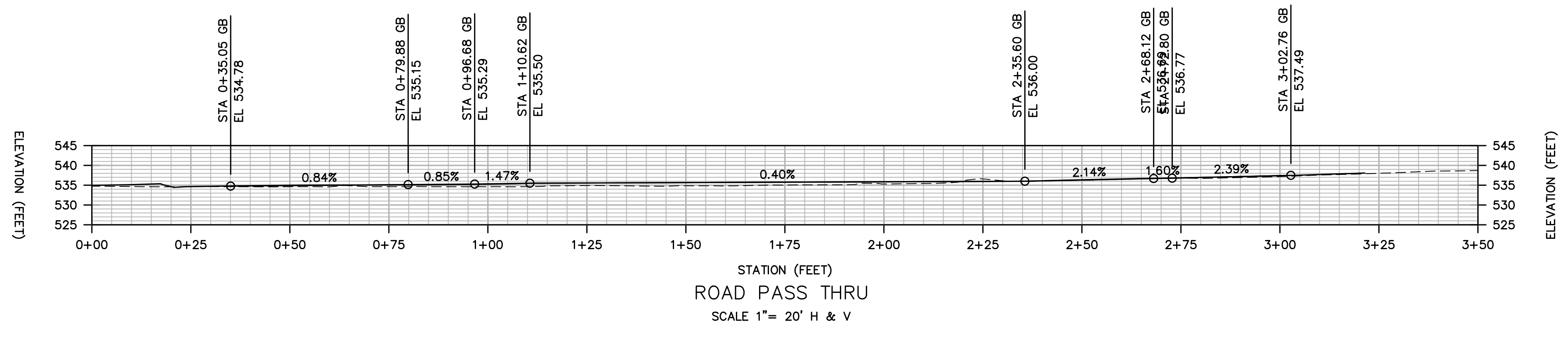
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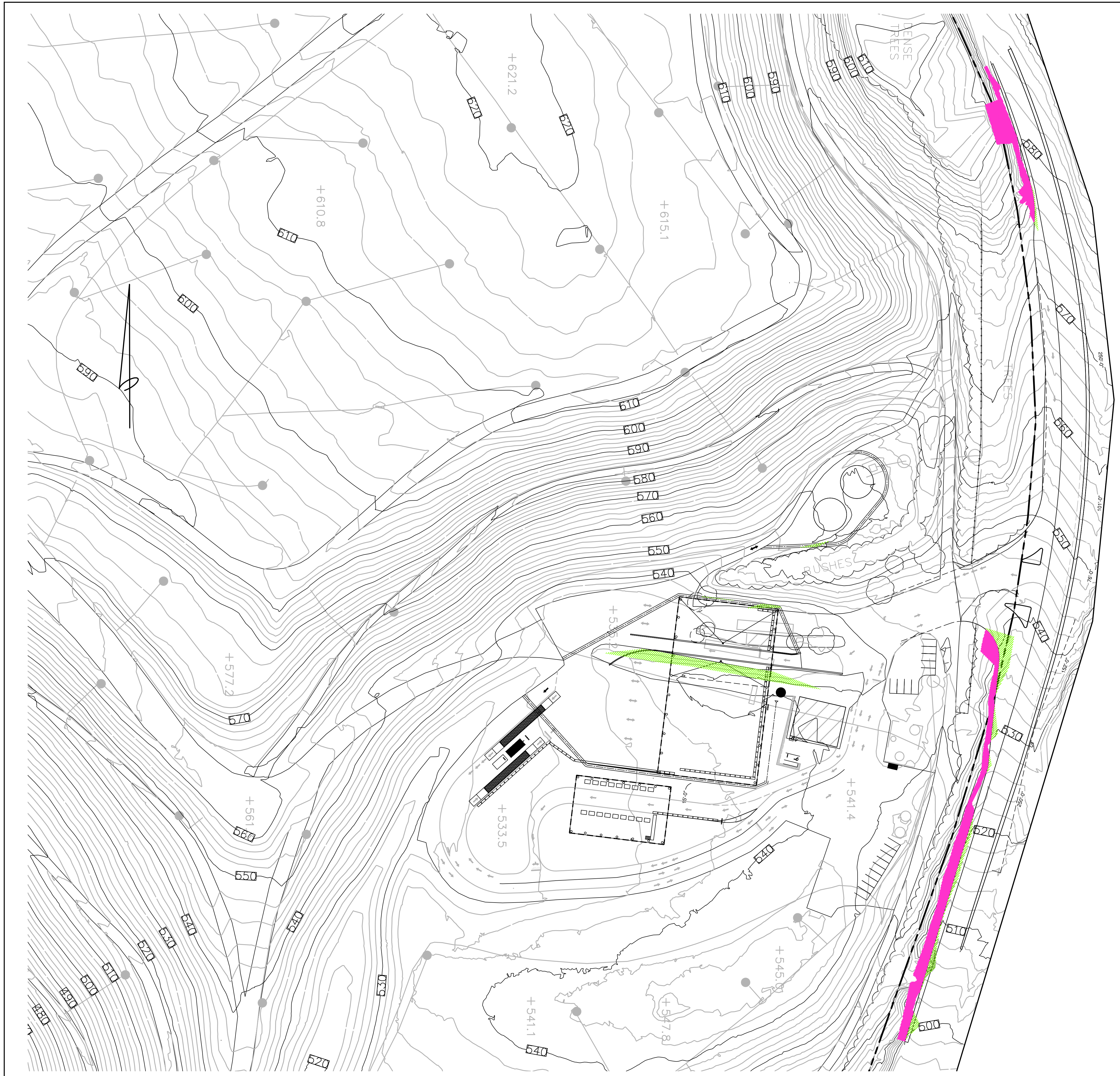
APN 125-2710-63



REVISIONS		APN 125-2710-63	
BOWMAN & WILLIAMS CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS 3949 RESEARCH PARK COURT, SUITE 100 SOQUEL, CA 95073-2094 (831) 426-3560		PRELIMINARY GRADING AND DRAINAGE PLAN CRAZY HORSE CANYON ROAD J.R. MILLER & ASSOCIATES, INC. 2700 SATURN STREET BREA, CALIFORNIA 92821	
SCALE 1" = 20'	DRAWN CMM/BRR	JOB NO. 29330.01	SHEET
DATE MARCH 2026	CHECKED BRR	INDEX MONTEREY COUNTY	C2.3
DESIGN CMM/BRR	DWG NAME CRAZY HORSE	FILE NO. 29330	OF 6



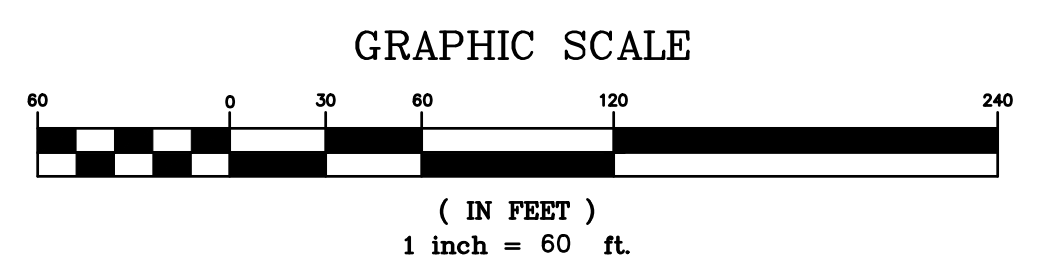
APN 125-2710-63			
REVISED			
BOWMAN & WILLIAMS CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS 3949 RESEARCH PARK COURT, SUITE 100 SOQUEL, CA 95073-2094 (831) 426-3560		SECTIONS CRAZY HORSE CANYON ROAD J.R. MILLER & ASSOCIATES, INC. 2700 SATURN STREET BREA, CALIFORNIA 92821	
SCALE 1" = 20'	DRAWN CMM/BRR	JOB NO. 29330.01	SHEET
DATE MARCH 2026	CHECKED BRR	INDEX MONTEREY COUNTY	C2.4
DESIGN CMM/BRR	DWG NAME CRAZY HORSE	FILE NO. 29330	OF 6



LEGEND

	INDICATES NEW GRADING AREA WHERE MAN MADE SLOPES ARE GREATER THAN OR EQUAL TO 25%	7,958 SQUARE FEET
	INDICATES NEW STRUCTURE AREA WHERE MAN MADE SLOPES ARE GREATER THAN OR EQUAL TO 25%	5,256 SQUARE FEET

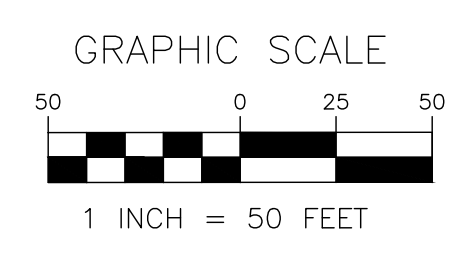
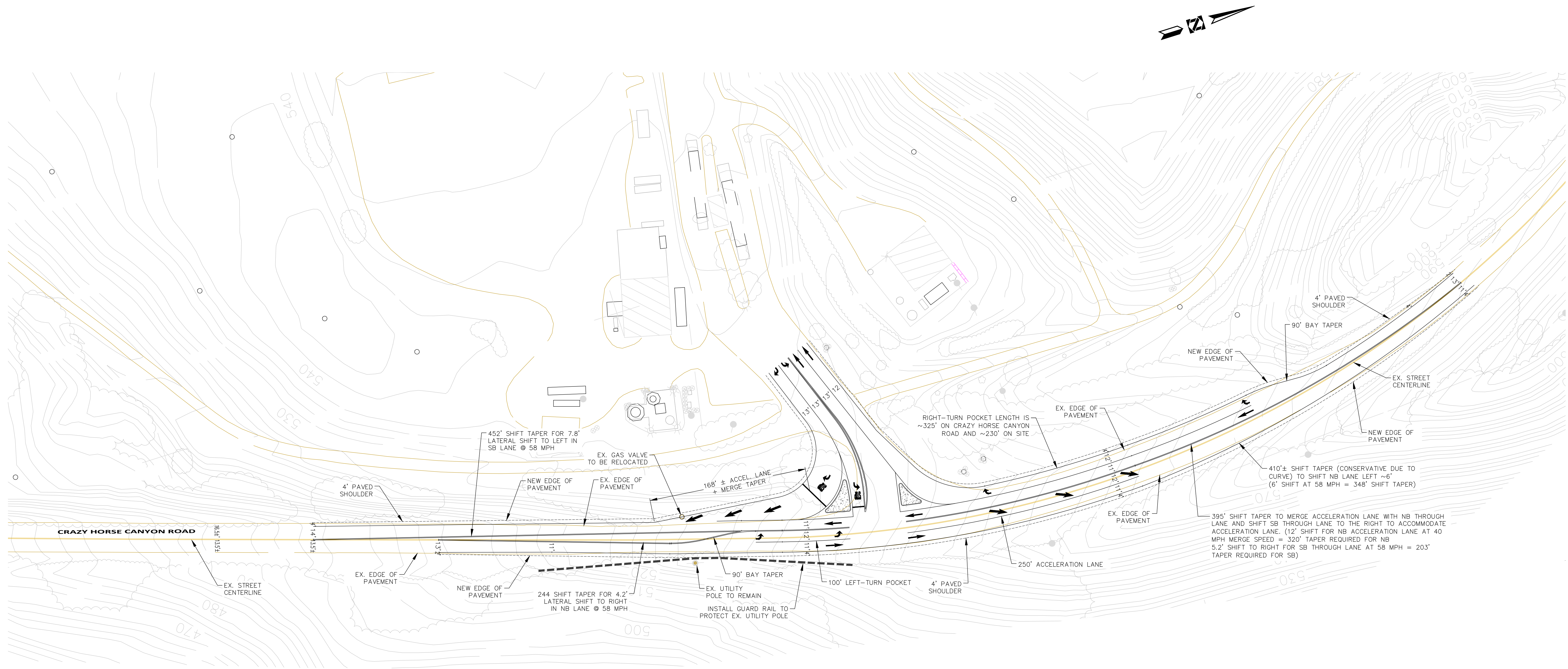
NOTE: ALL SLOPE ON THIS MAP ARE CONSIDERED MAN MADE. THE AREAS SHOWN HAVE BEEN MODELED FROM AN AERIAL SURVEY AND SOME ARTIFACTS FROM THE POST-PROCESS HAVE CAUSED ANOMALIES WITH IN THE MODELED SURFACE PROVIDED. THE LIMITS OF DIFFERENT SLOPE CATEGORIES AS SHOWN ON THIS MAP ARE SUBJECT TO CHANGE. THE EXISTING CONDITIONS ON AND OFF SITE WILL BE UPDATED IN THE NEAR FUTURE WITH A NEW GROUND SURVEY.



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SCALE 1" = 60'	DRAWN CMM/BRR	JOB NO. 29330.01
DATE MARCH 2026	CHECKED BRR	INDEX MONTEREY COUNTY
DESIGN CMM/BRR	DWG NAME SLOPE MAP	FILE NO. 29330
		SHEET C2.5 OF 6

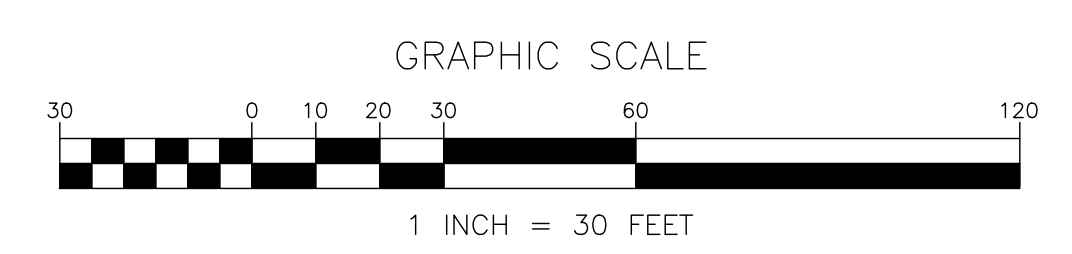
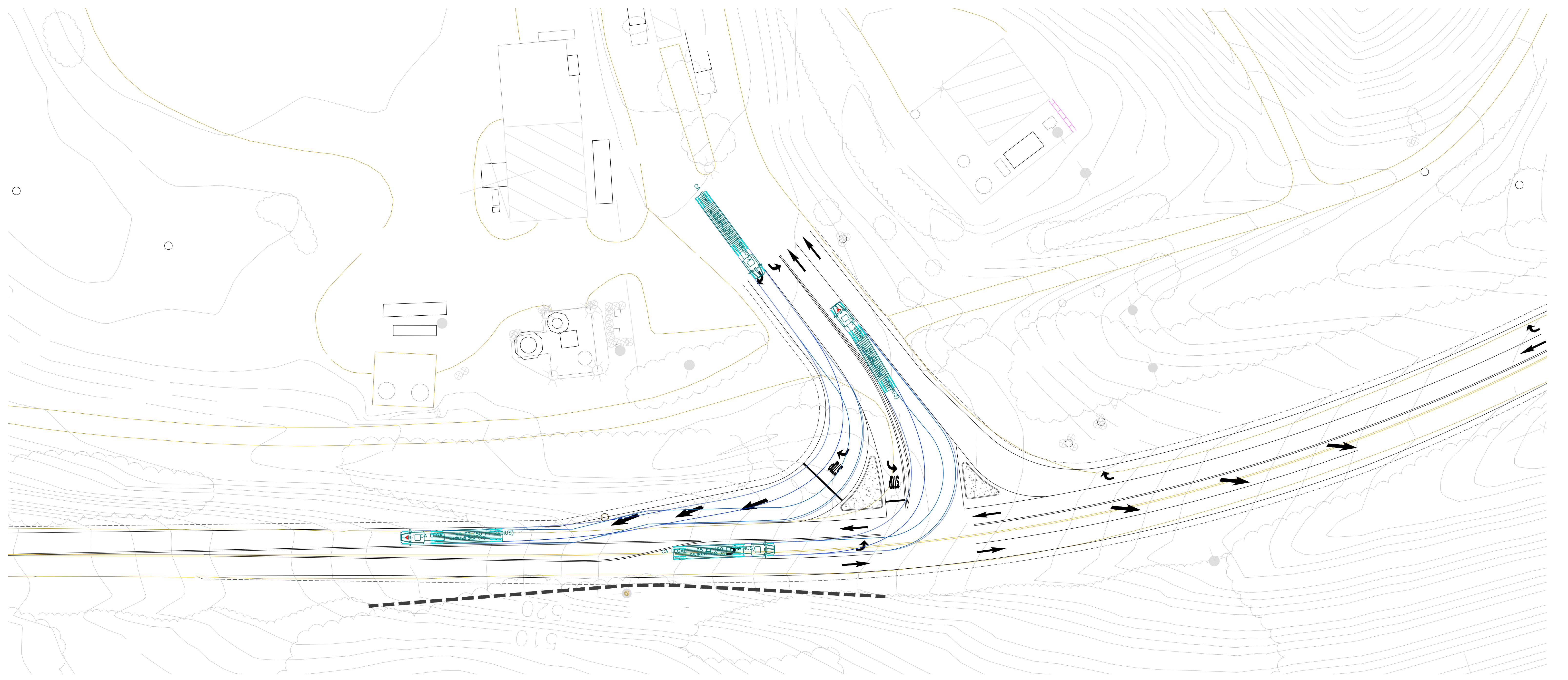


PREPARED BY:
 **HEXAGON TRANSPORTATION CONSULTANTS, INC.**
 100 Century Center Court, Suite 501
 San Jose, California 95112
 Ph: (408) 971-6100
 www.hextrans.com

DRAWN J. ELA
 DATE 2/5/26
 SCALE 1" = 50'

COUNTY OF MONTEREY
 NORTH COUNTY RECYCLING AND TRANSFER STATION
 CRAZY HORSE CANYON ROAD
 DRIVEWAY IMPROVEMENTS CONCEPT PLAN
 OPTION 2 - W/ 11' THROUGH LANES
 PREPARED FOR: SALINAS VALLEY SOLID WASTE AUTHORITY

DRAWING NO.
1
 SHEET 1 OF 5

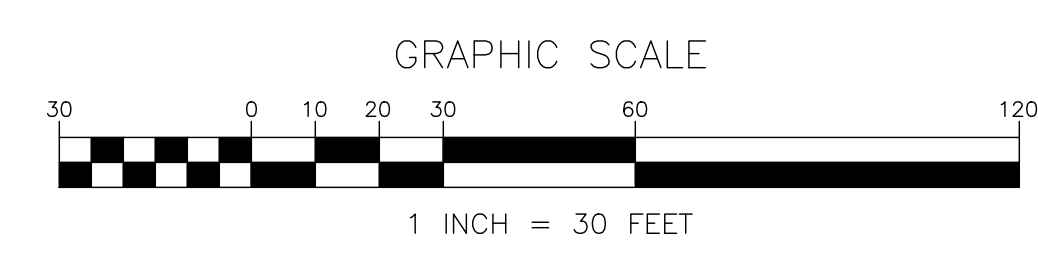
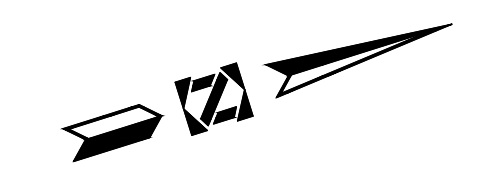
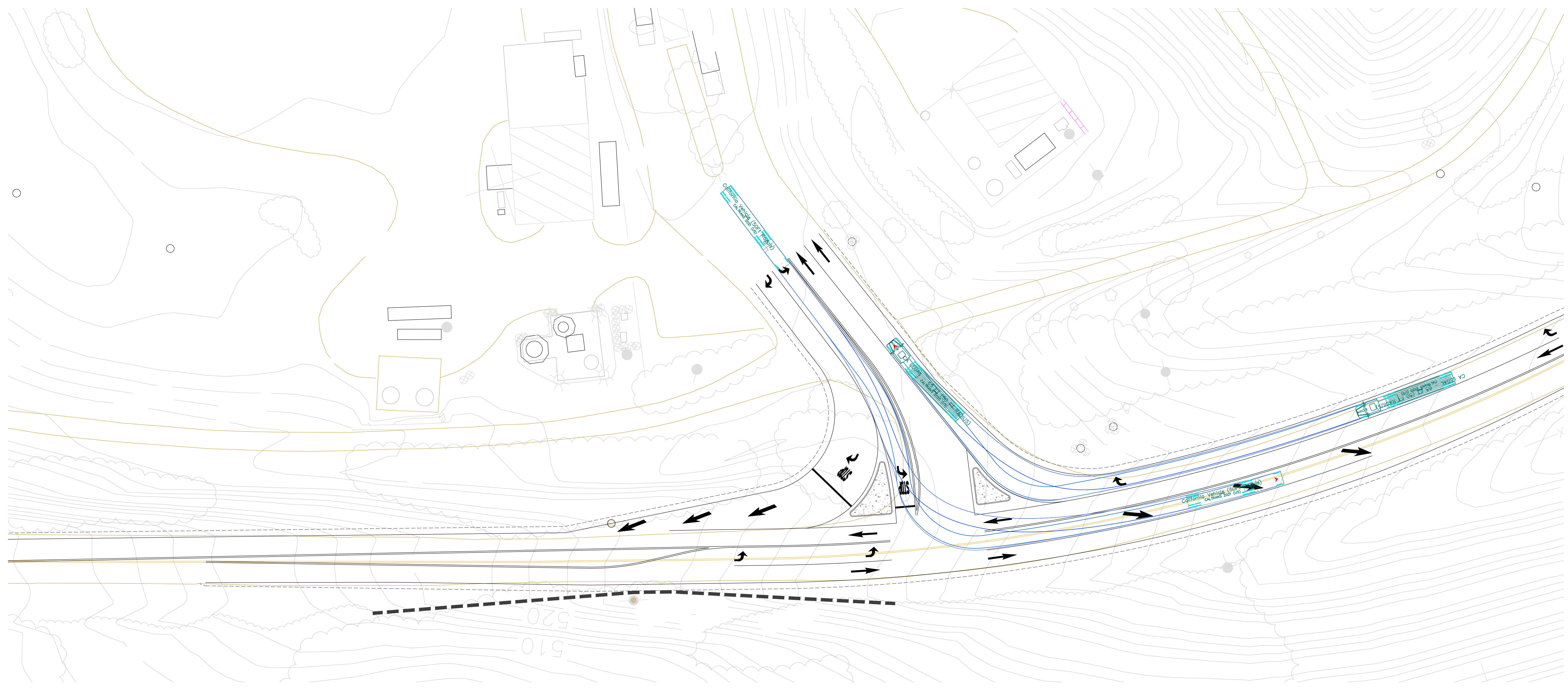


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 San Jose, California 95112
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www.hextrans.com

DRAWN J. ELA
 DATE 2/5/26
 SCALE 1" = 30'

COUNTY OF MONTEREY
 NORTH COUNTY RECYCLING AND TRANSFER STATION
 CRAZY HORSE CANYON ROAD
 DRIVEWAY IMPROVEMENTS CONCEPT PLAN - OPT. 2
 TRUCK TURNS TO/FROM THE SOUTH
 PREPARED FOR: SALINAS VALLEY SOLID WASTE AUTHORITY

DRAWING NO.
2
 SHEET 2 OF 5

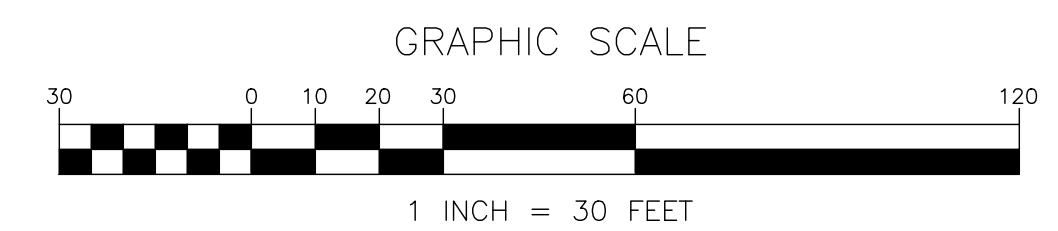
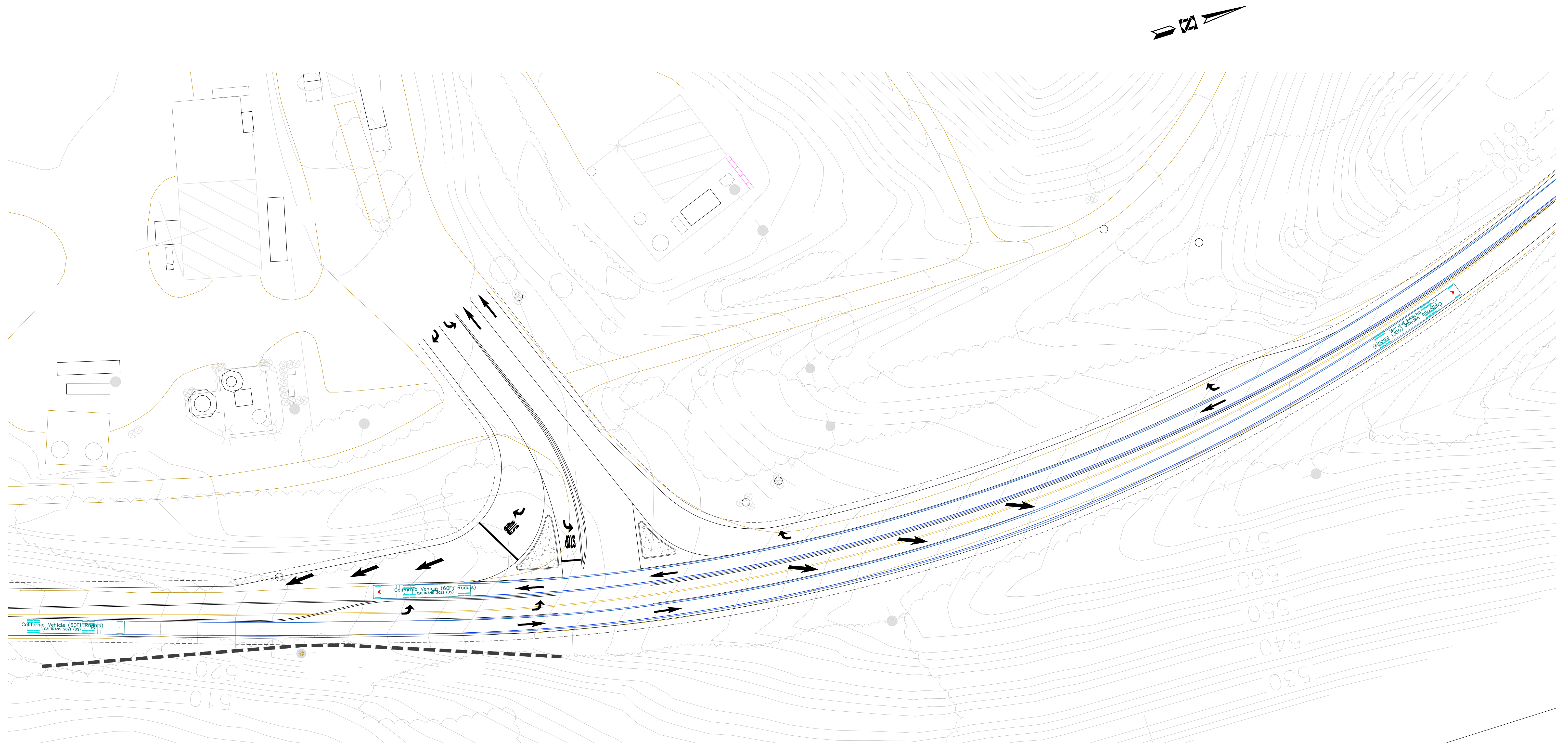


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 San Jose, California 95112
 Ph: (408) 971-6100 www.hextrans.com

DRAWN J. ELA
 DATE 2/5/26
 SCALE 1" = 30'

COUNTY OF MONTEREY
 NORTH COUNTY RECYCLING AND TRANSFER STATION
 CRAZY HORSE CANYON ROAD
 DRIVEWAY IMPROVEMENTS CONCEPT PLAN - OPT. 2
 TRUCK TURNS TO/FROM THE NORTH
 PREPARED FOR: SALINAS VALLEY SOLID WASTE AUTHORITY

DRAWING NO.
3
 SHEET 3 OF 5

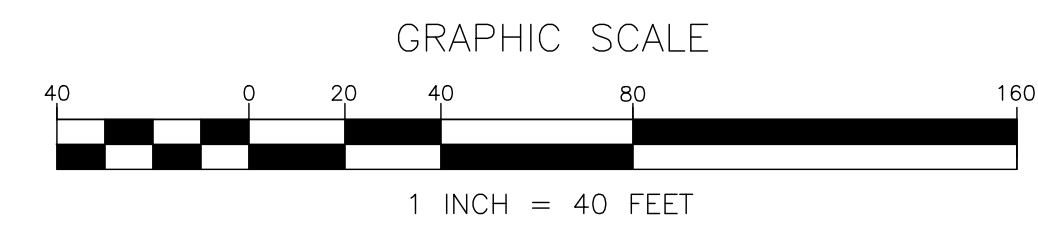
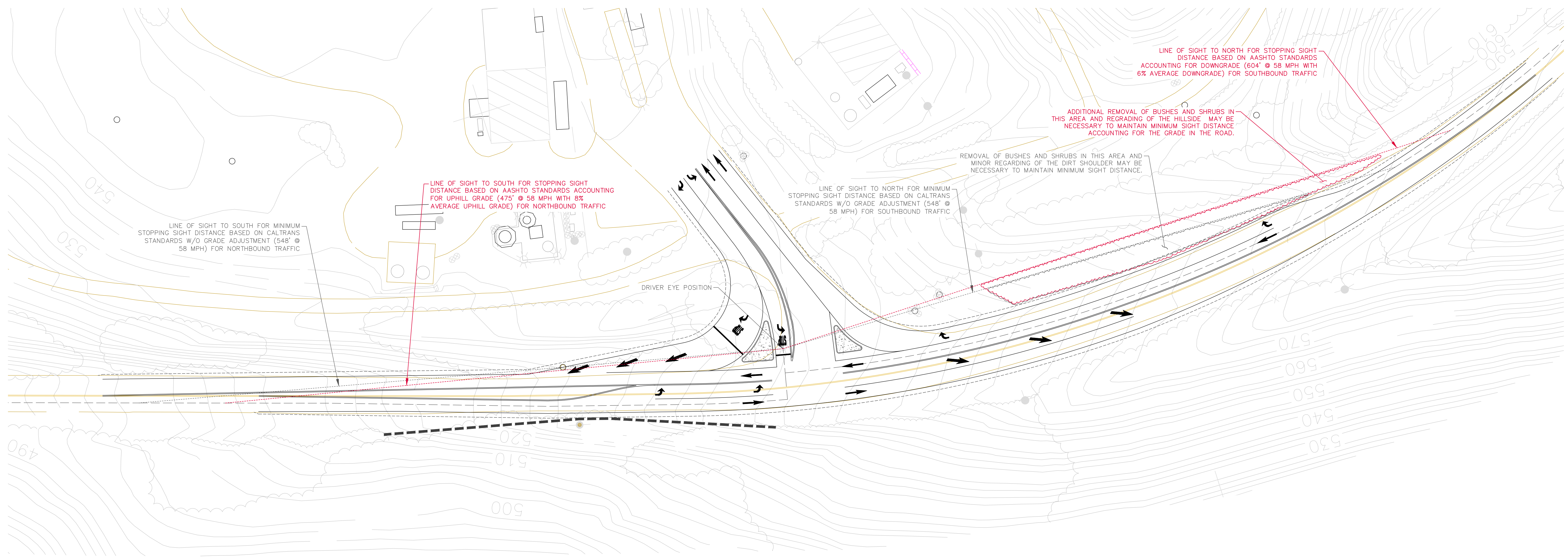


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DRAWN J. ELA
 DATE 2/5/26
 SCALE 1" = 30'

COUNTY OF MONTEREY
 NORTH COUNTY RECYCLING AND TRANSFER STATION
 CRAZY HORSE CANYON ROAD
 DRIVEWAY IMPROVEMENTS CONCEPT PLAN - OPT. 2
 TRUCK MOVEMENTS MAINLINE THROUGH TRIPS
 PREPARED FOR: SALINAS VALLEY SOLID WASTE AUTHORITY

DRAWING NO.
4
 SHEET 4 OF 5



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 San Jose, California 95112
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DRAWN J. ELA
 DATE 2/5/26
 SCALE 1" = 40'

COUNTY OF MONTEREY
 NORTH COUNTY RECYCLING AND TRANSFER STATION
 CRAZY HORSE CANYON ROAD
 DRIVEWAY SIGHT DISTANCE EXHIBIT - OPT. 2
 AASHTO STANDARDS W/ GRADE ADJUSTMENT
 PREPARED FOR: SALINAS VALLEY SOLID WASTE AUTHORITY

DRAWING NO.
5
 SHEET 5 OF 5