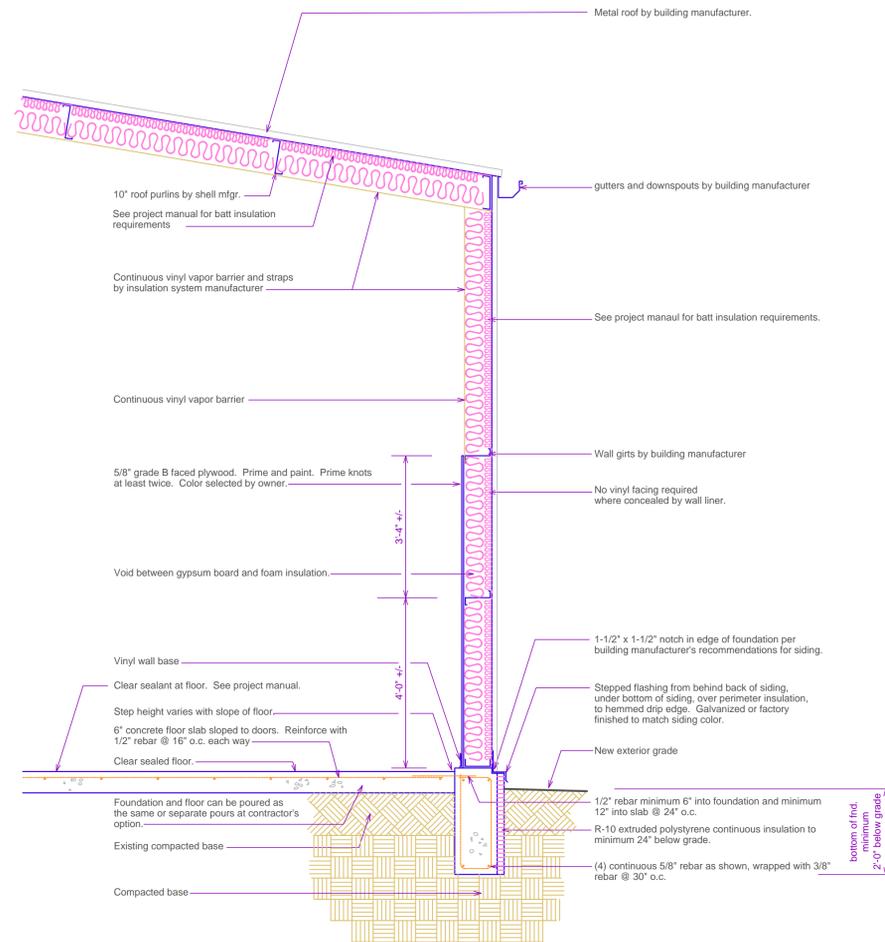
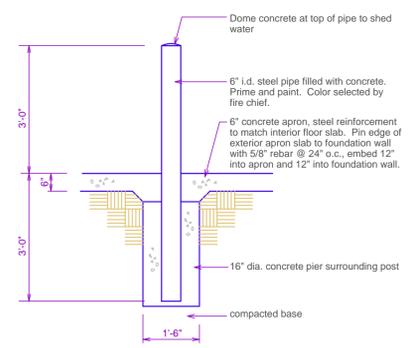


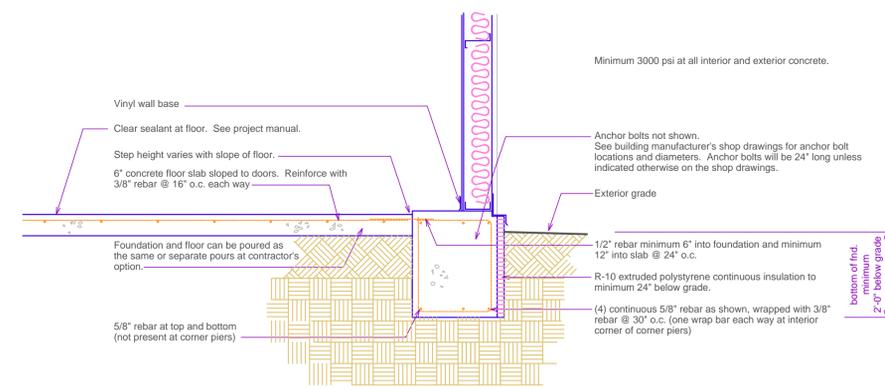
REVISIONS			
NO.	DATE	CHANGES	BY



WALL AND FOUNDATION SECTION



Typical of 4 exterior bollards. See floor plan for locations.
BOLLARD SECTION



FOUNDATION SECTION AT PIERS

Alpha Design ARCHITECTS
 108 Cook Ave.
 P.O. Box 241
 Fallon, NV 89740
 Phone (775) 445-4235
 Email: alphadesign@bcatvalley.com

**HAYDEN SUBSTATION
 AMISTAD FIRE DISTRICT
 UNION COUNTY, NEW MEXICO**

GENERAL NOTES:

THE CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL REQUIREMENTS OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS PRIOR TO THE START OF INSTALLATION.

THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS WHEN THEY BECOME DUE, AND SHALL NOT COVER ANY WORK UNTIL APPROVED BY THE INSPECTING AUTHORITY.

ANY AND ALL FEES ASSOCIATED WITH THE ELECTRICAL WORK, INCLUDING CONSTRUCTION AND INSPECTION SHALL BE BY THE CONTRACTOR IN ORDER TO DELIVER AND COMPLETE THE FINISHED BUILDING READY FOR OCCUPANCY AND 100% USAGE. Exception: Transformer, connection and meter fees to Southwestern Electric Coop will be paid by owner.

THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC IN NATURE. IT DOES INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF CIRCUITS, OUTLETS, EQUIPMENT SYSTEMS, ETC. PROVIDE ALL MATERIALS AND LABOR FOR COMPLETELY FINISHED AND OPERATIONAL SYSTEMS. EXACT ROUTING MAY VARY AND REQUIRE ADDITIONAL J-BOXES/PULL BOXES AND/OR SPECIAL FITTINGS.

ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL LOADS PRIOR TO ROUGH IN AND SHALL NOTIFY THE ARCHITECT IF ANY DISCREPANCIES EXIST.

ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.) AND NEW MEXICO ELECTRICAL CODE, STATE BUILDING CODE, LOCAL CODES AND ORDINANCES AND REQUIREMENTS OF THE LOCAL UTILITY.

GROUNDING SYSTEM GROUND SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250. THE SYSTEM SHALL BE FURNISHED WITH A CONTINUOUS GROUND FOR RECEPTACLES, LIGHTS AND EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 250.

OUTLET MOUNTING HEIGHTS FOR RECEPTACLES, SWITCHES, ETC. SHALL COMPLY WITH THE REQUIREMENTS OF ADA.

LIGHT FIXTURES SHALL BE SUPPORTED IN ACCORDANCE WITH U.B.C. VOL., SEC. 25.213.

REFER TO THE LATEST ARCHITECTURAL DRAWINGS FOR EXACT WALL LOCATIONS, DIMENSIONS, AND CONFIGURATION. DOOR SWINGS FOR SWITCH LOCATION VERIFICATION, REFLECTED CEILING PLANS FOR VERIFICATION OF LIGHT FIXTURE LOCATIONS.

ALL EQUIPMENT SHALL BE NEW AND SHALL HAVE THE APPROPRIATE UNDERWRITERS LABORATORIES, INC. (U.L.) LABEL AND SHALL CONFORM TO THE LATEST INDUSTRIES STANDARDS.

ELECTRICAL CONTRACTOR SHALL MAINTAIN ALL WORKING CLEARANCES FOR ALL ELECTRICAL EQUIPMENT PER N.E.C. REQUIREMENTS.

ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH DUAL ELEMENT, TIME DELAY FUSES AS NOTED, AND SHOWN, OR AS REQUIRED TO MEET LOAD CONDITIONS.

AT THE COMPLETION OF WORK, THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE, ACCURATE, TYPED PANEL DIRECTORIES.

EQUIPMENT STARTERS AND WIRING SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. OVERLOAD HEATERS SHALL BE INSTALLED IN ACCORDANCE WITH NAMEPLATE DATA ON THE EQUIPMENT. STARTERS SHALL BE INSTALLED AS DIRECTED BY THE MECHANICAL CONTRACTOR.

REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF THERMOSTATS, EXHAUST FANS, AND OTHER SPECIAL EQUIPMENT OR CONTROLS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL CONDUITS, JUNCTION BOXES, WIRING AND DISCONNECT SWITCHES.

ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAY SYSTEM IN ACCORDANCE WITH N.E.C. AND LOCAL ORDINANCES. THE USE OF MC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 330.

CONDUIT AND CABLE RUNS INSIDE THE BUILDING SHALL BE NEAT.

ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO OUTSIDE EQUIPMENT, SIGNS, LIGHTING, ETC. PROVIDE DISCONNECTS AT EACH SIGN LOCATION IN ACCORDANCE WITH N.E.C.

ALL WIRE #2 AND LARGER MAY BE ALUMINUM. MATCH COPPER AMPACITIES.

FEEDERS SHALL CONFORM TO N.E.C. 215 BRANCH CIRCUITS WIRING AND VOLTAGE DROP REQUIREMENTS SHALL CONFORM TO N.E.C. 210.

COORDINATE ALL WIRING WITH ALL TRADES. REVIEW ALL EQUIPMENT TO LOCATE EXACT ROUGH-IN LOCATIONS.

Type	Cat #	Description	Lamp
C1	COOPER LIGHTING TBLEL LD1 8W UNV L850 1 BLK	LED LOW BAY, MOUNT AS HIGH AS POSSIBLE	WITH FIXTURE
W1	COOPER LIGHTING LDWPF2C 24ED	WALL PACK MOUNT 10' AFG	WITH FIXTURE
W2	COOPER LIGHTING CTRV2B RMARROAS	DUSK TO DAWN MOUNT AS HIGH AS POSSIBLE	WITH FIXTURE
⊗	SURE-LITE LPXC25	EMERGENCY EXIT MOUNT 80" AFF	W/ Fixture
Batt	SURE-LITE SEL25	EMERGENCY LIGHT MOUNT 80" AFF	W/ Fixture

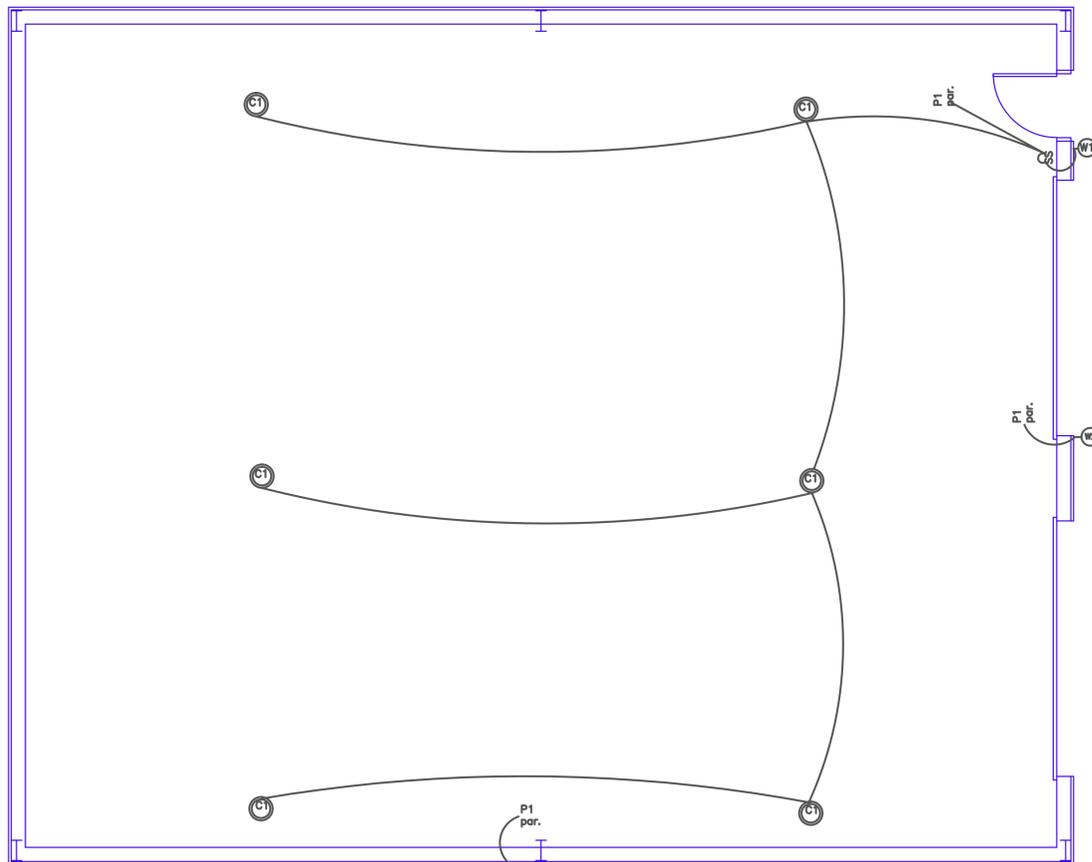
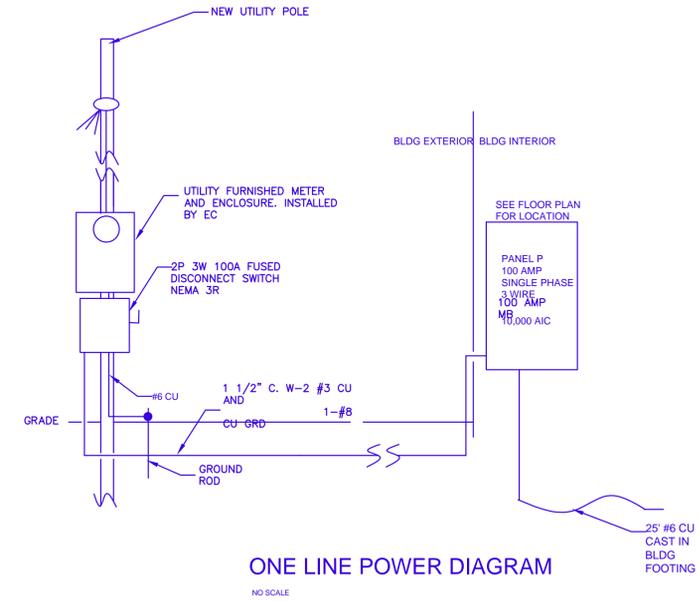
LEGEND

- S SINGLE POLE SWITCH 48" AFF TOP P&S CS20AC11
- GFI, 4 20A GFI PROTECTED RECEPTACLE P&S CR20 W/
- GFIWP, 4 20A GRD FAULT RECEPTACLE APPROXIMATELY 48" AFF TOP P&S 1594-I
- ⊗ 20A GRD FAULT W/P&S 3723 WP COVER P&S 1594 OUTLET
- ⊗ EXIT LIGHT

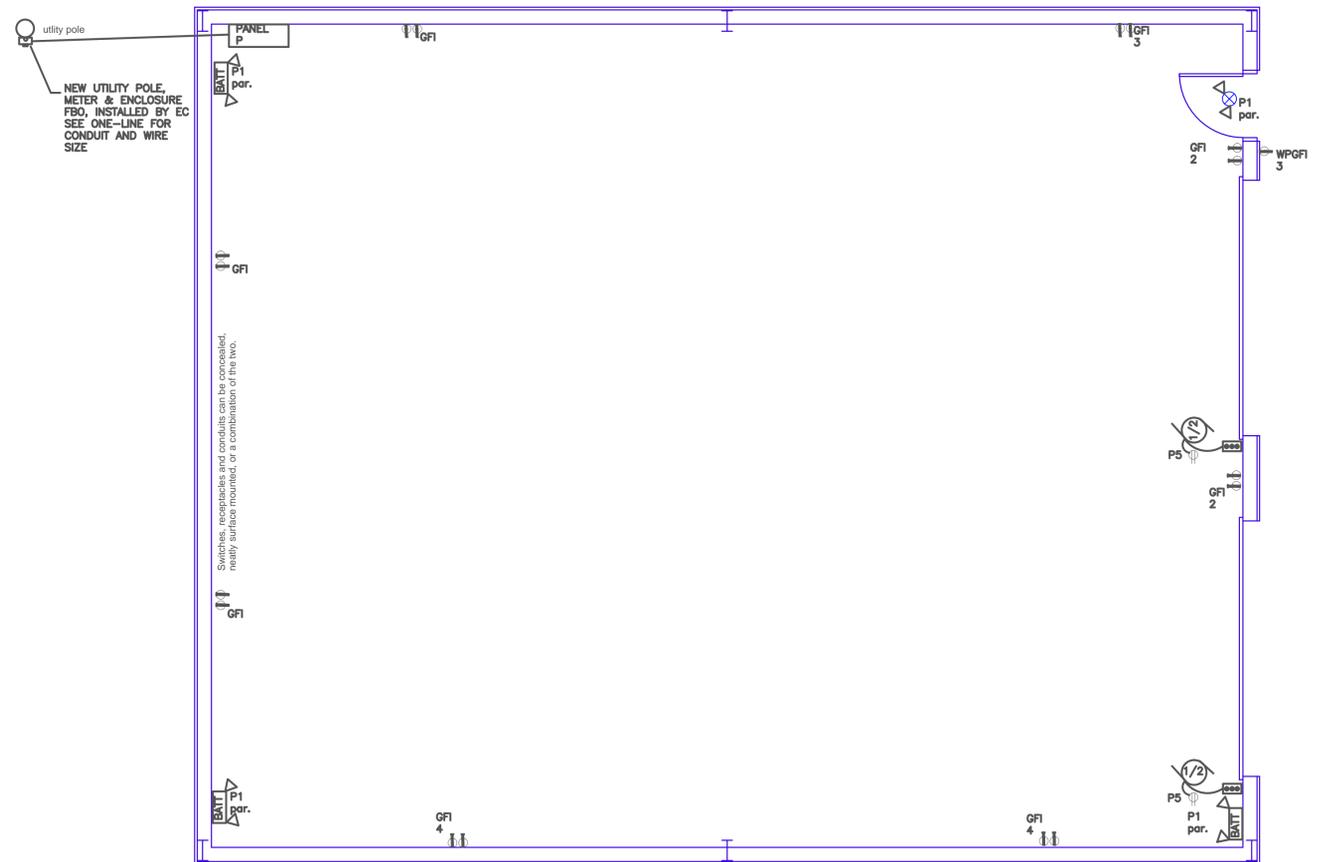
SERVICE CHARACTERISTICS

120/240 V, 1 PHASE 3 WIRE 60 HZ.
 CONNECTED LOAD 4.0 KW
 ESTIMATED DEMAND LOAD 4.0 KW
 TRANSFORMER SIZE 5.0 kva
 $I = \frac{5kVA}{240KV} = 20.8A$
 $Z_T = 1.3\%$
 $I_F = \frac{I}{(Z_T)} = \frac{20.8}{3\%} = 695$
 AVAILABLE FAULT CURRENT AT TRANSFORMER SECONDARY AIC 695

Panel: P		Voltage: 120/240		Phase: Single, 3 WIRE	
100 AMP MAIN BREAKER					
Watts A	Watts B	Description	Watts A	Watts B	Watts A
591	1	BUILDING LIGHTS	2	720	720
900	3	RECEPTACLES	4	720	
1000	5	GARAGE DOOR OPENERS	6		
7	1	SPARE	10		
9	1	SPARE	12		
11	1	SPARE	14		
13	1	SPARE	16		
15	1	SPARE	18		
17	1	SPARE	20		
19	1	SPARE	22		
21	1	SPARE	24		
23	1	SPARE	26		
25	1	SPARE	28		
27	1	SPARE	30		
29	1	SPARE	32		
31	1	SPARE	34		
33	1	SPARE	36		
35	1	SPARE	38		
37	1	SPARE	40		
39	1	SPARE			
159	Total		Total Watts	720	
900			Grand Total Watts	930	
			Amps	14.25	
			CONTINUOUS LOAD +20%	17.1	
			TOTAL AMPS	16.2	



LIGHTING PLAN



POWER PLAN



REVISIONS			
NO.	DATE	CHANGES	BY



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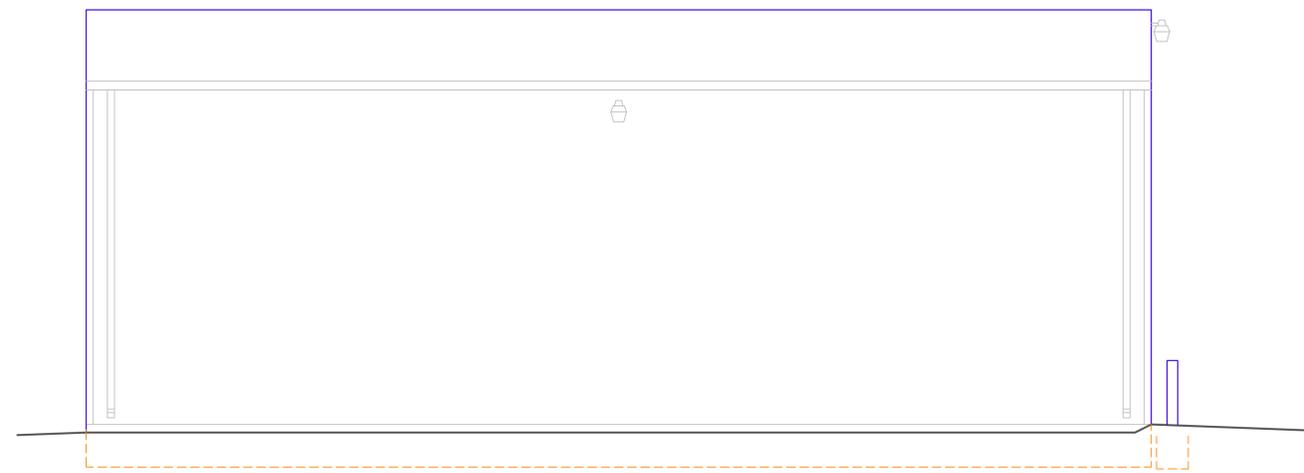
HAYDEN SUBSTATION
 AMISTAD FIRE DISTRICT
 UNION COUNTY, NEW MEXICO

DATE 1-2-23

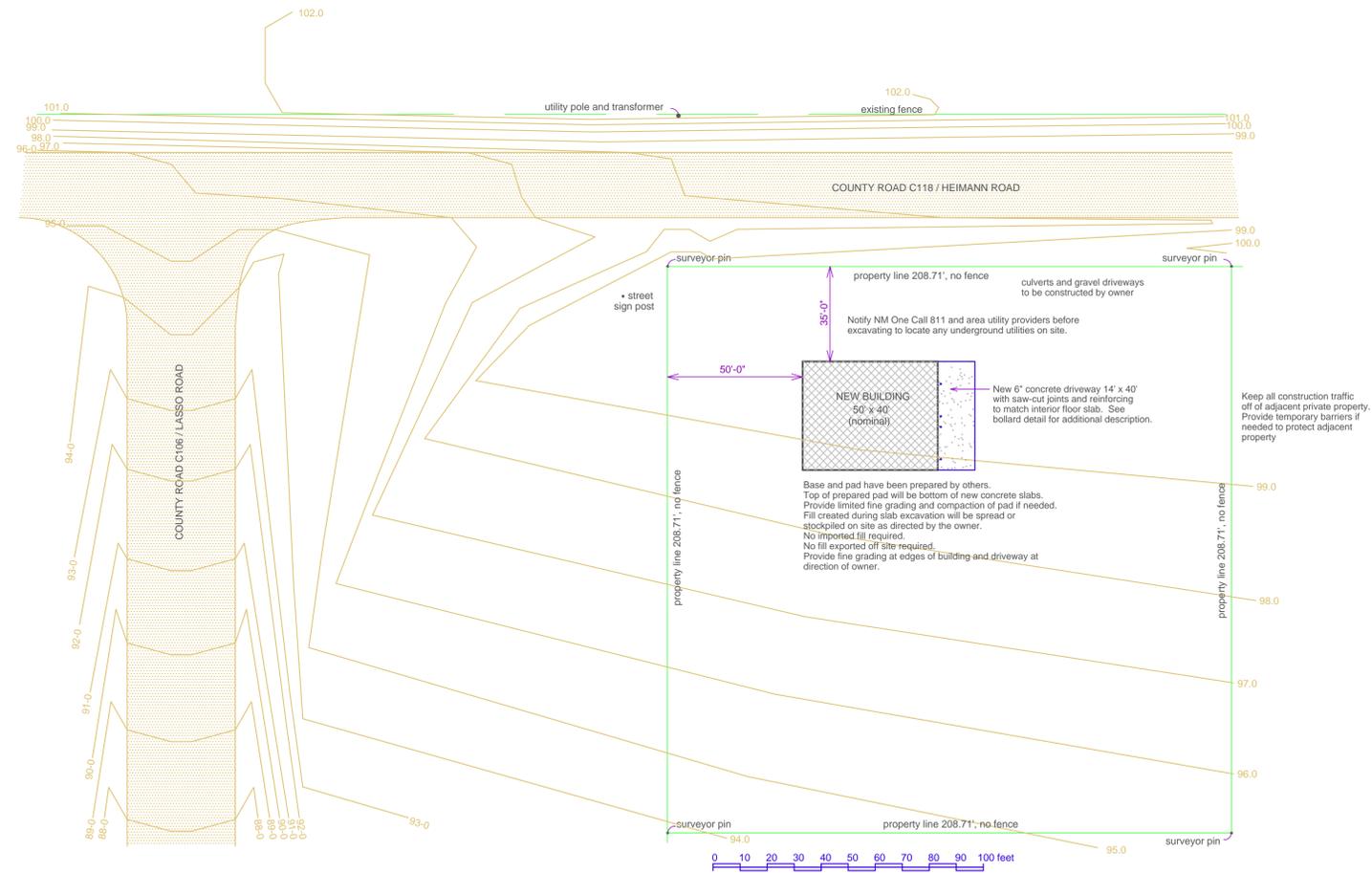
SHEET NUMBER E1



EAST ELEVATION



SOUTH ELEVATION



EXISTING SITE PLAN
showing site topography before the building pad was prepared and built-up by the owner



PROJECT DESCRIPTION
Construct new metal parking structure and related work. See this set of plans and project manual.

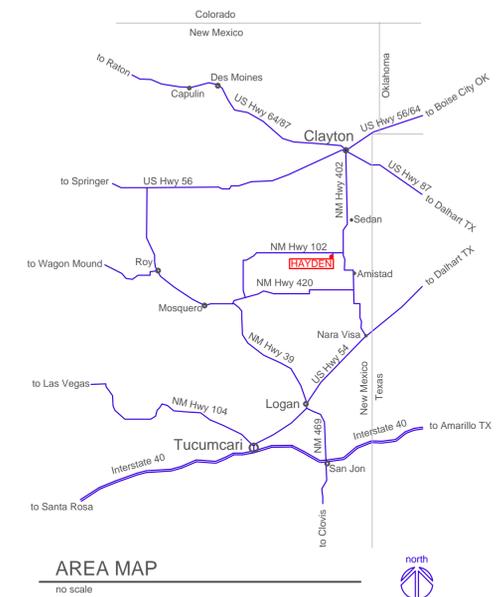
2015 INTERNATIONAL BUILDING CODE DATA

Type of Building Construction: V-B
Building Area: 2000 square feet
Occupancy Group: S-2
Facility Use: parking garage
Occupant Load: 2000 s.f. @ 20 s.f. per occupant = 10 occupants
Allowable Area: 13,500 square feet per IBC Table 506.2
Exiting Requirements: one exit required and provided
Fire Sprinklers: none required or provided
Building Height: 20 feet
Number of Stories: one

DRAWING INDEX

- T1 Area Map, Site Plan, Exterior Elevations
- A1 Floor Plan and Foundation Plan
- A2 Wall and Foundation Sections
- E1 Power and Lighting

Traveling to the site from the intersection of NM Hwy 402 and NM Hwy 102: Travel west on NM Hwy 102 for 3.5 miles to County Road C116, then travel south on County Road C116 for 1.8 miles to County Road C118/Heimann Road, then travel west on County Road C118/Heimann Road for 0.25 miles to C106/Lasso Rd. The project site located at the southeast corner of C118/Heimann Rd and C106/Lasso Rd.



AREA MAP
no scale

REVISIONS			
NO.	DATE	CHANGES	BY



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HAYDEN SUBSTATION
AMISTAD FIRE DISTRICT
UNION COUNTY, NEW MEXICO

DATE 1-2-23

SHEET NUMBER T1