



AEROHEAD RV PARK

PRELIMINARY SET OF PLANS

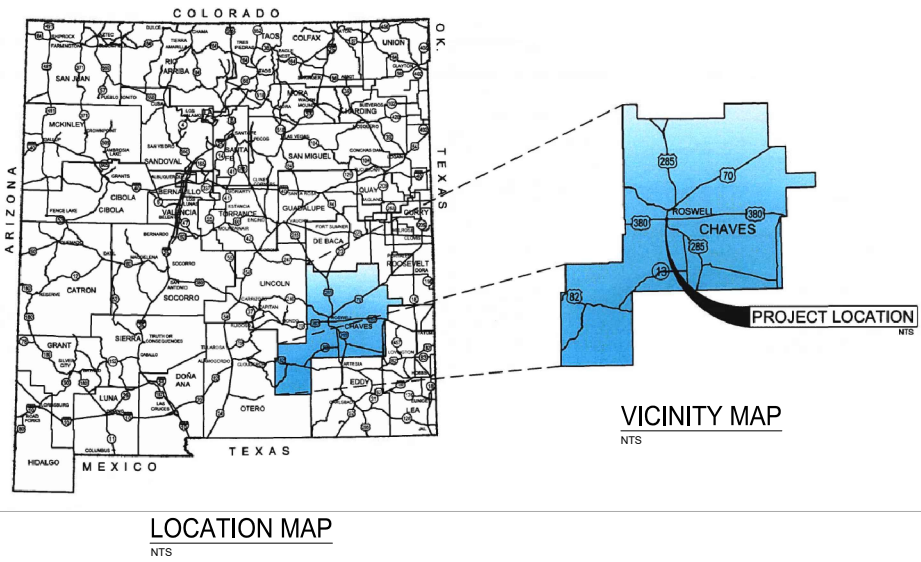
CITY OF ROSWELL

MARCH 2025

FOR CLIENT REVIEW
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PROJECT:

AEROHEAD RV PARK
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

COVER SHEET

REV.	DESCRIPTION:	DATE:	BY:

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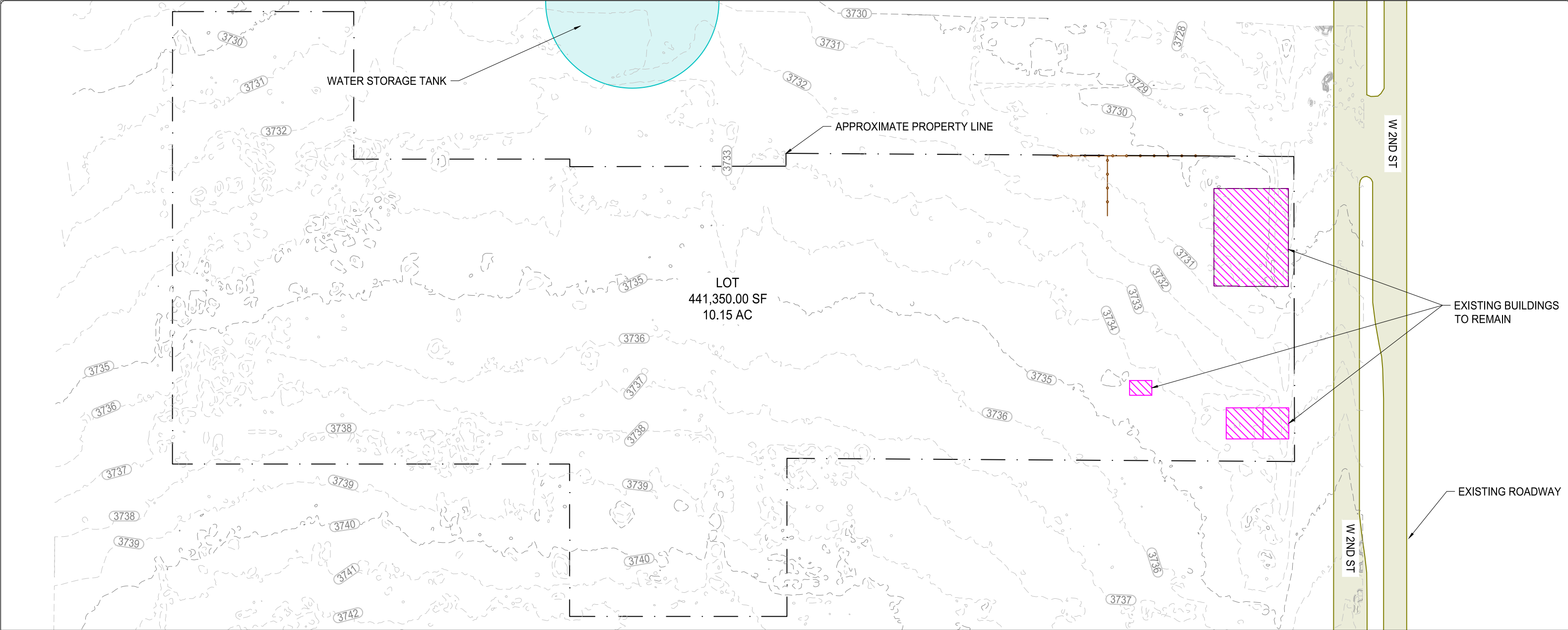
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COVER SHEET

01

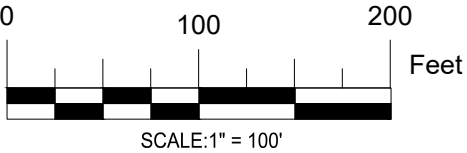
SHEET NO. 1 OF 24



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LEGEND:

- 100 --- EXISTING GROUND SURFACE CONTOUR EL, FEET
- - - - - PROPERTY LINE
- [Pink hatched rectangle] EXISTING BUILDING TO REMAIN
- [Yellow shaded area] EXISTING ROADWAY
- [Brown line with arrows] EXISTING FENCE TO BE REMOVED
- [Blue circle] EXISTING WATER STORAGE TANK



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SHEET TITLE:

EXISTING CONDITIONS

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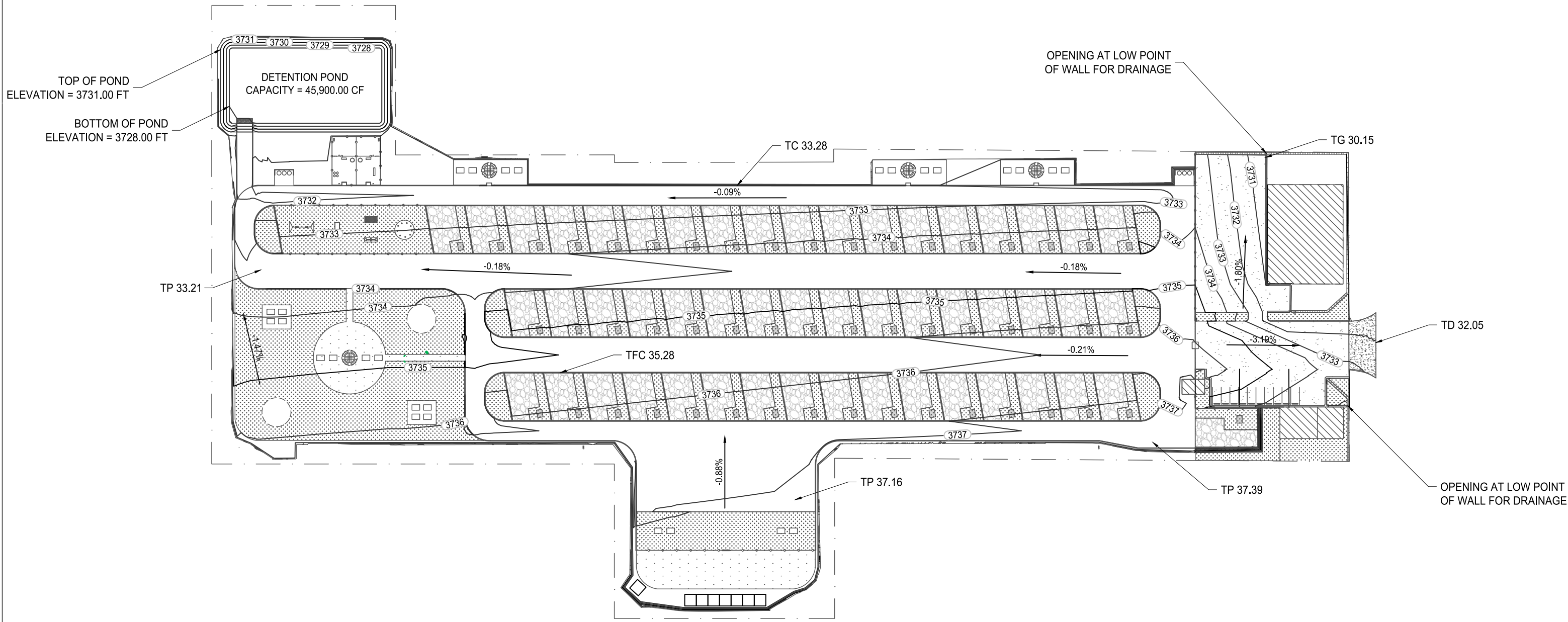
DATE:
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EXISTING PLAN

02

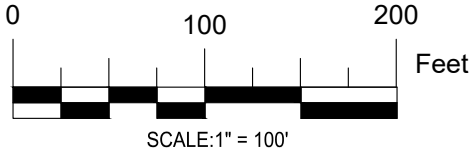
SHEET NO. 2 OF 24



LEGEND:

- 100 --- PROPOSED GROUND SURFACE CONTOUR EL, FEET
- X% DRAINAGE SLOPE
- PROPERTY LINE
- TC TOP OF CURB
- TG TOP OF GUTTER
- TP TOP OF PAVEMENT
- TFC TOP OF FLUSH HEADER CURB
- TD TOP OF DRIVEWAY

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GarMar Enterprises
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PROJECT: AEROHEAD RV PARK
CHAVES COUNTY, NEW MEXICO
SHEET TITLE: GRADING PLAN

REV.	DESCRIPTION:	DATE:	BY:

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DATE: MARCH 24, 2025

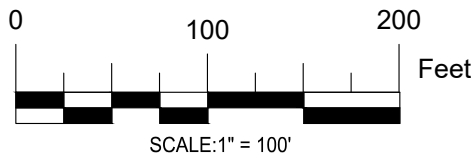
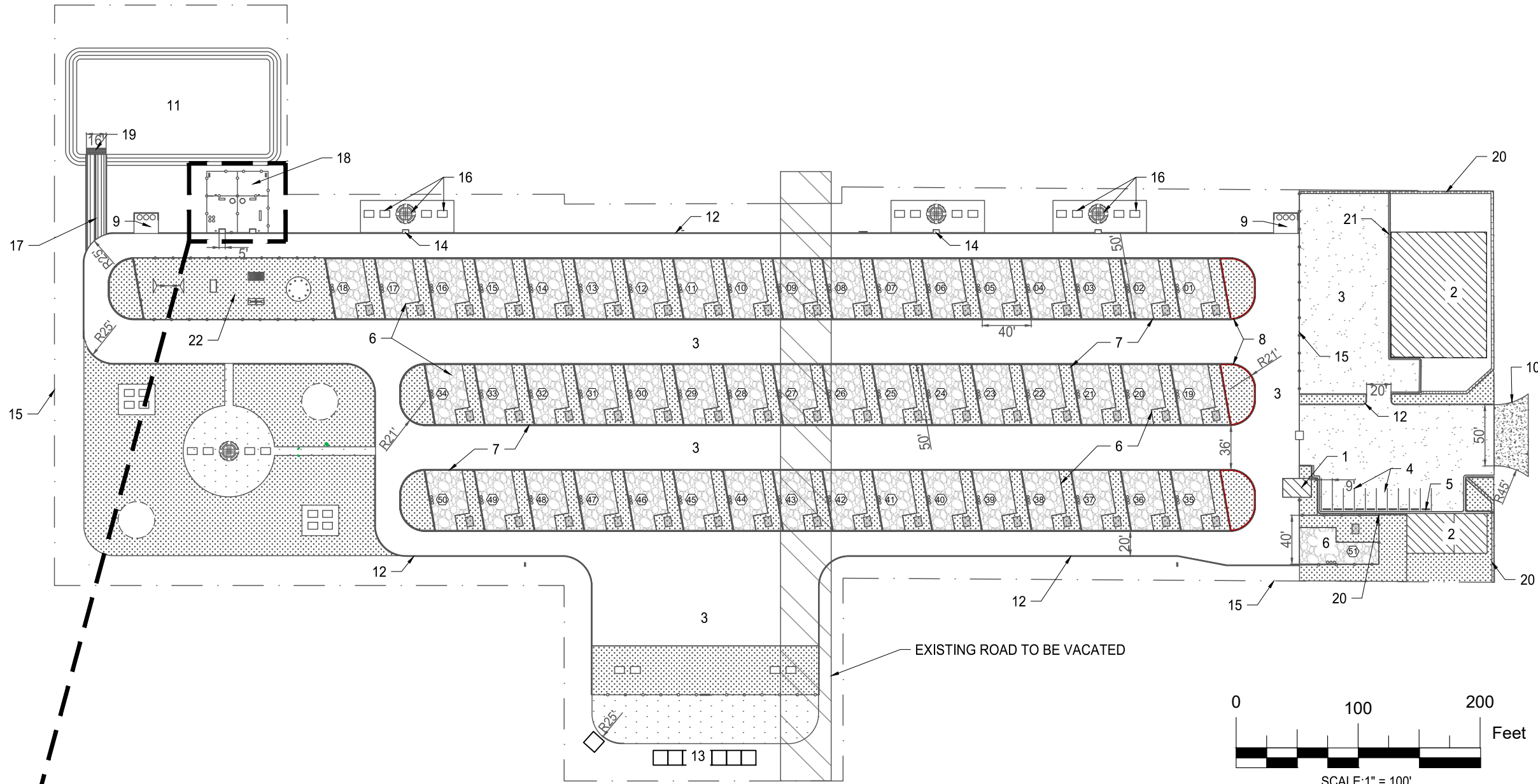


GRADING PLAN
03
SHEET NO. 3 OF 24

GENERAL LEGEND:

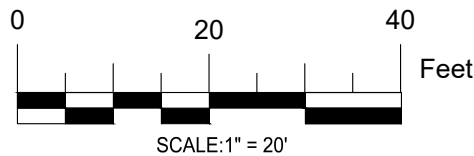
- 1 PROPOSED CHECK IN BUILDING
2 EXISTING BUILDING: STORAGE, OFFICE & LAUNDRY ROOM
3 PROPOSED PAVEMENT
4 PROPOSED GUEST PARKING LOT
5 PROPOSED WHEELSTOP
6 PROPOSED RV PARKING SPACE
7 PROPOSED FLUSH HEADER CURB
8 PROPOSED 8" HEADER CURB
9 PROPOSED DUMPSTER ENCLOSURE (INCLUDES CONCRETE PAD)
10 PROPOSED CONCRETE DRIVEWAY
11 PROPOSED RETENTION POND
12 PROPOSED 6" CURB
13 PROPOSED HORSE STABLE
14 PROPOSED ADA RAMP
15 PROPOSED 6" METAL FENCE
16 PROPOSED PICNIC AREAS AND PICNIC TABLES
17 PROPOSED CONCRETE RUNDOWN
18 PROPOSED DOG PARK
19 PROPOSED RIP RAP
20 PROPOSED CONCRETE WALL
21 PROPOSED GUTTER
22 PROPOSED CHILDREN'S PARK

- CONCRETE
LANDSCAPE
PICNIC TABLE
RIP RAP
NEW PAVEMENT
4" GRAVEL SURFACE FOR RV SPACES
UTILITIES TIE-IN
TREE



DOG PARK LEGEND:

- A PROPOSED DOG WASTE STATION
B PROPOSED AGILITY AREA
C PROPOSED PROTECTION FENCE
D PROPOSED ACCESS RAMP
E PROPOSED ACCESS DOOR
F PROPOSED FOUNTAIN
G PROPOSED WOOD BENCH
H PROPOSED PARK RULES SIGN
I PROPOSED WASTE CONTAINER & BAG DISPENSER
J PROPOSED CLIMBING LOGS
K PROPOSED DOG WALK RAMP



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CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

PROPOSED SITE PLAN

REV:	DESCRIPTION:	DATE:	BY:

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MARCH 24, 2025



PROPOSED SITE PLAN

05

SHEET NO. 5 OF 24



PLAN VIEW
NTS

VOLUME SUMMARY					
ITEM	DESCRIPTION	AREA (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	VOLUME NET (CY)
1	SITE GRADING	373,635.00	16,065.00	3,600.00	12,465.00 (CUT)
2	POND GRADING	16,535.00	1,835.00	0.00	1,835.00 (CUT)

PROJECT SUMMARY					
ITEM	DESCRIPTION	UM	QUANTITY	THICKNESS (FT) / X-SECTIONAL AREA (SF)	VOLUME (CY)
1	6" BASE COURSE (FOR PAVEMENT, RV SPACES, CONCRETE PAD & DRIVEWAY)	SF	148,000.00	0.50	2,740.00
2	MICROSURFACING	SF	148,000.00	-	-
3	4" GRAVEL FOR RV SPACES	SF	67,480.00	0.33	825.00
4	6" CONCRETE PAD (FOR DUMPSTER & DRIVEWAY)	SF	2,230.00	0.50	42.00
5	1' RIP RAP	SF	80.00	1.00	3.00
6	STANDARD CURB & GUTTER	LF	400.00	1.25	19.00
7	STANDARD CURB	LF	2,125.00	0.50	40.00
8	HEADER CURB 8"	LF	1,020.00	1.01	40.00
9	FLUSH HEADER CURB	LF	6,465.00	1.01	245.00
10	CONCRETE RUNDOWN	LF	91.00	VARIES	25.00
11	ADA RAMP	EA	5.00	-	1.00
12	WHEELSTOP	EA	10.00	-	0.65

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SUMMARY OF QUANTITIES

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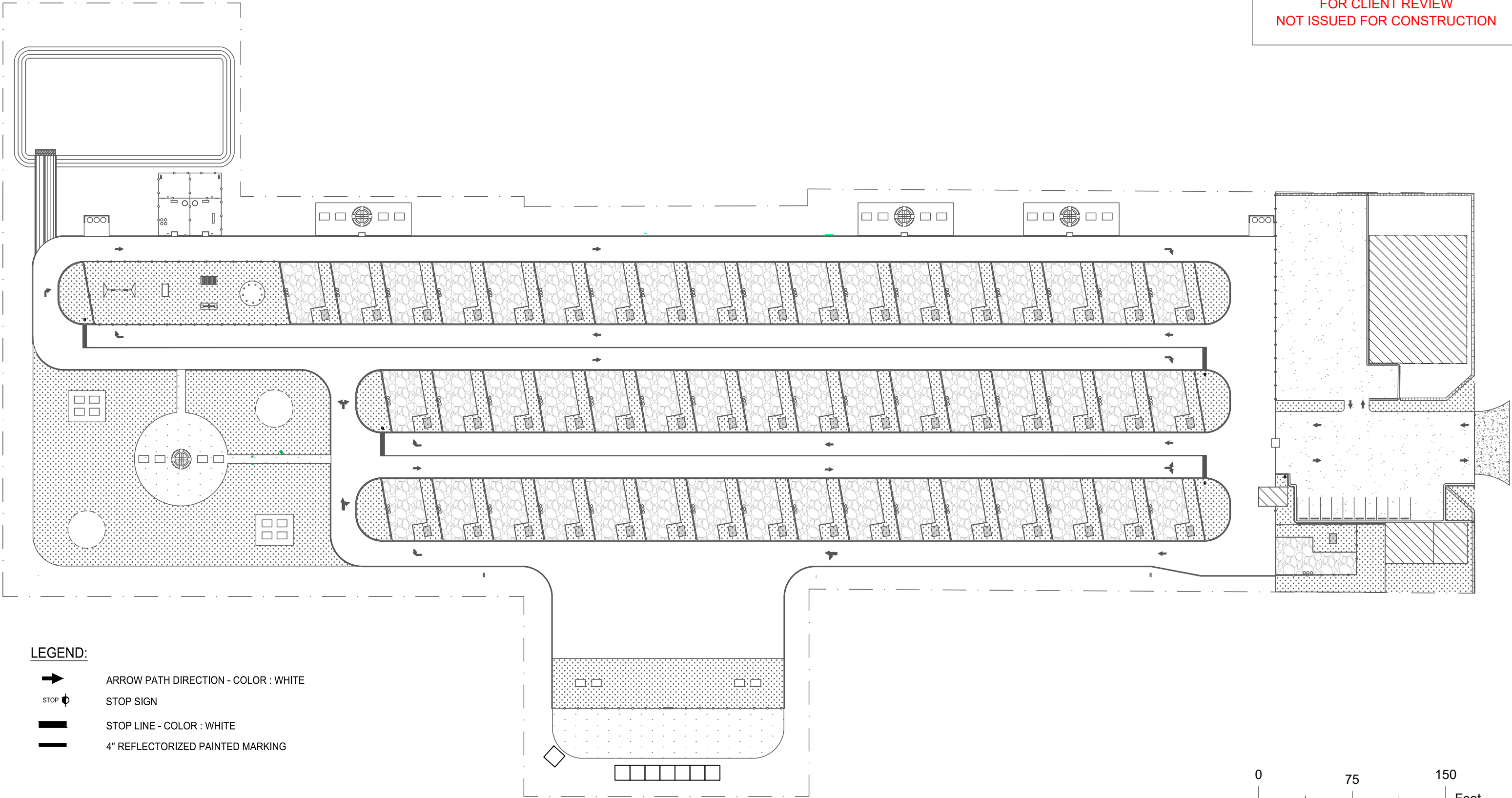
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SUMMARY OF QUANTITIES


06


SHEET NO. 6 OF 24




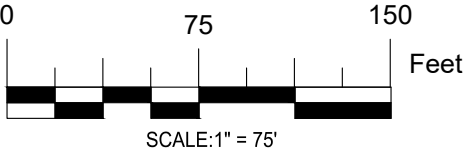
LEGEND:

 ARROW PATH DIRECTION - COLOR : WHITE

 STOP SIGN

 STOP LINE - COLOR : WHITE

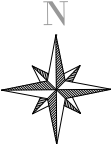
 4" REFLECTORIZED PAINTED MARKING

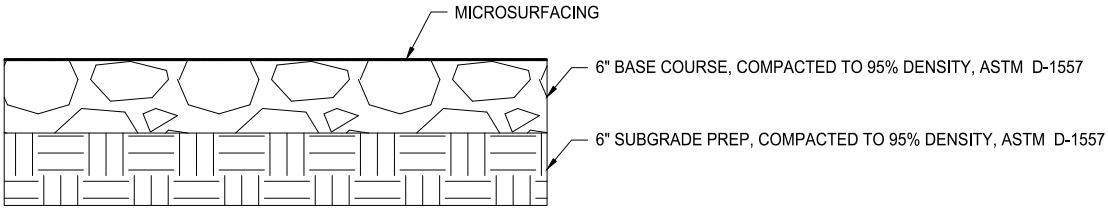


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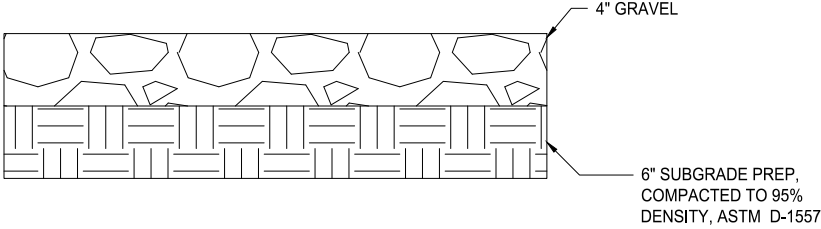
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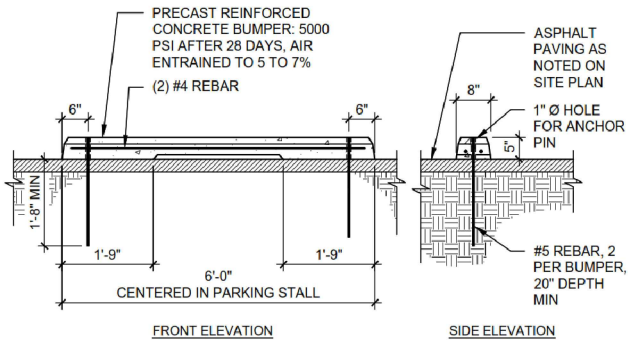




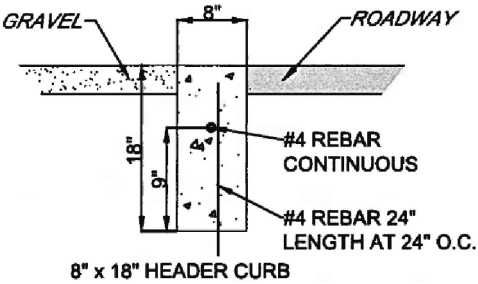
PAVEMENT DETAIL
NTS



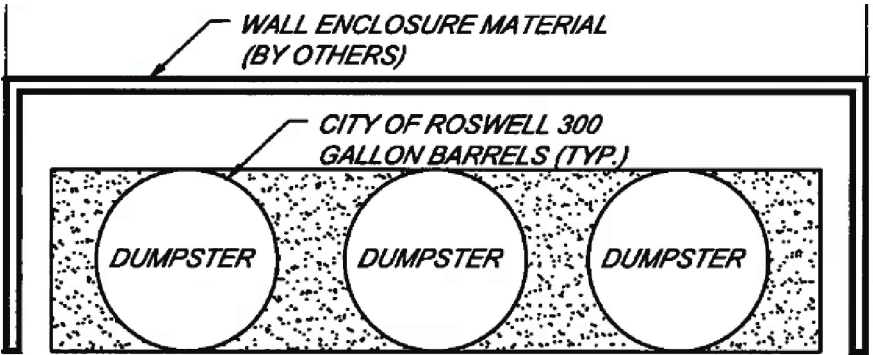
GRAVEL PAVEMENT
NTS



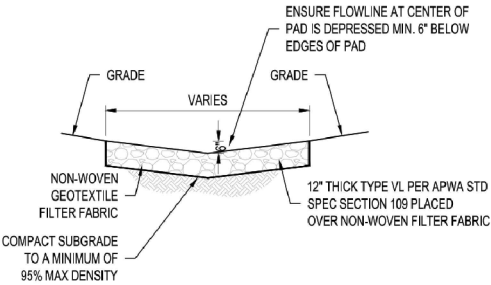
CONCRETE WHEELSTOP
NTS



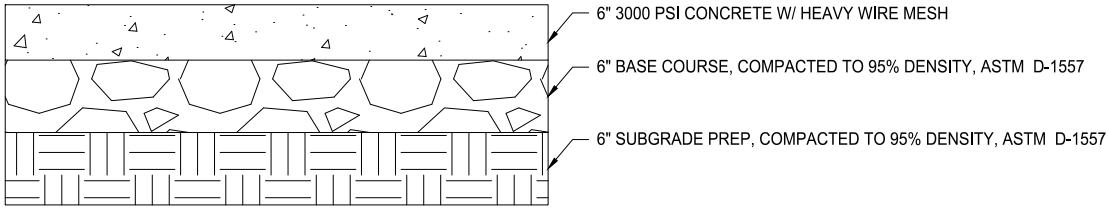
8" x 18" FLUSH HEADER CURB
NTS



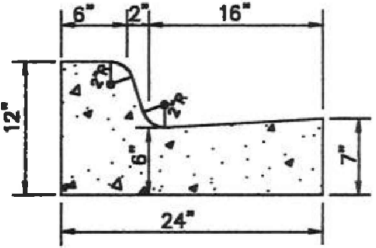
DUMPSTER ENCLOSURE
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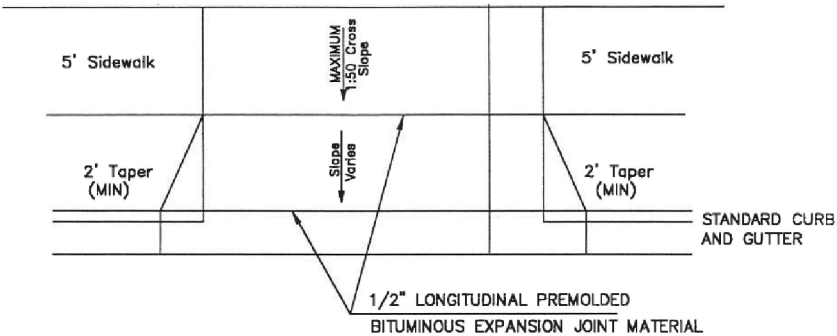
RIP RAP PAD
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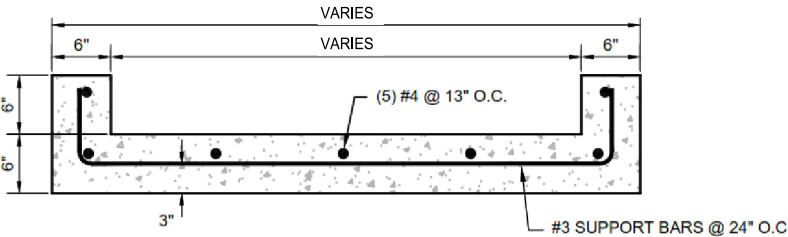
CONCRETE PAD
NTS



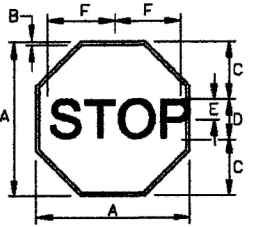
STANDARD CURB & GUTTER
NTS



CONCRETE DRIVEWAY
NTS



CONCRETE RUNDOWN
NTS



SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
BIKE	18	3/8	6	8C	3	7-3/4
MIN	24	5/8	B	8C	4	10
STD.	30	3/4	10	10C	5	12-1/2
EXPWY.	36	7/8	12	12C	6	15
SPECIAL	48	1-1/4	16	16C	8	20

COLORS
LEGEND - WHITE (REFL)
BACKGROUND - RED (REFL)
REF: FHWA STANDARD SIGNS

STOP SIGN DETAIL
NTS

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AEROHEAD RV PARK
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

DETAILS

REV:

DESCRIPTION:

DATE:

BY:

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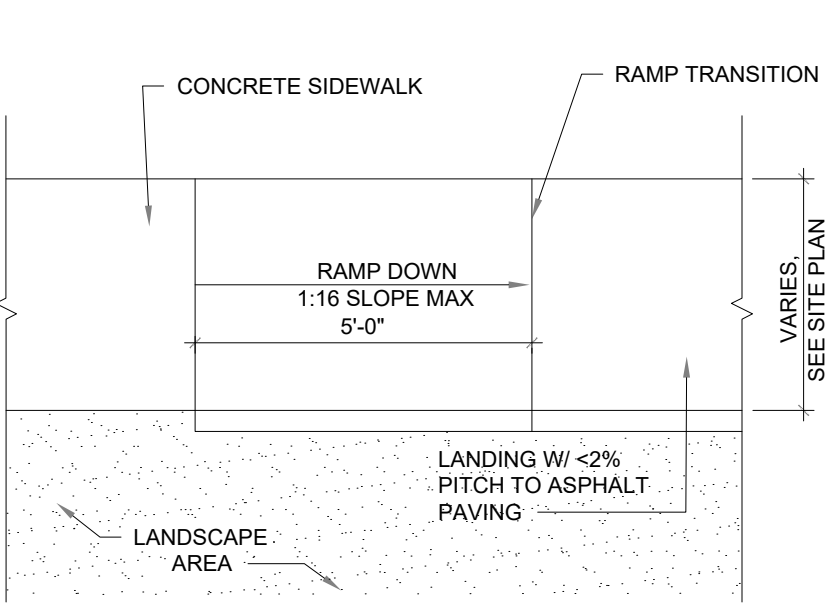
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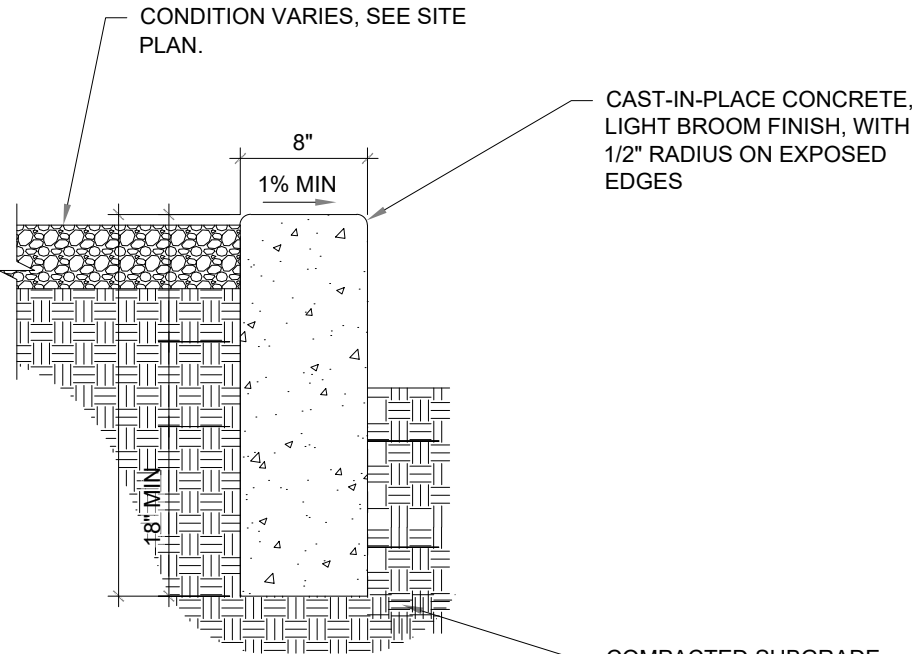
DETAILS

08

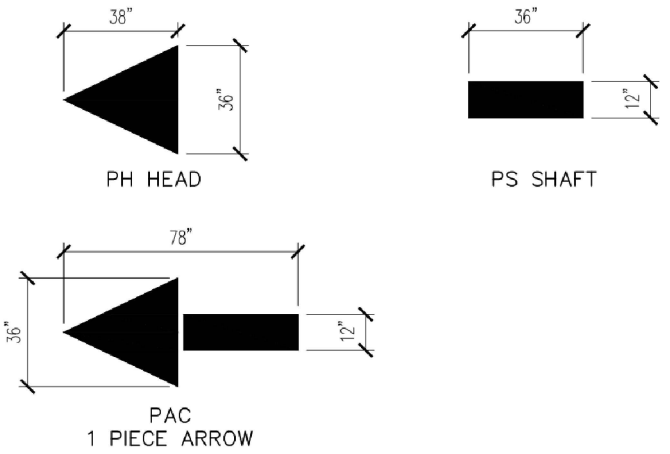
SHEET NO. 8 OF 24



ADA RAMP
NTS



8" HEADER CURB
NTS



TYPICAL PAVEMENT MARKING
NTS

GENERAL NOTES:

- 1.- FOR A STANDARD RV PARK IS REQUIRED A MINIMUM OF 5 ACRES AS PER PAGE 94 ON CHAVES COUNTY GUIDELINES FOR RV PARKS. IN THIS CASE, WE HAVE 9.51 ACRES.
- 2.- GROSS LAND AREA RESERVED FOR RECREATIONAL AND/OR COMMUNITY USE BY THE OCCUPANTS OF THE PARK = 20%. AS PER PAGE 94 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.
- 3.- PARK SPACE MINIMUM AREA = 1,600.00 SF W/WIDTH 40 FEET, AS PER PAGE 94 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.
- 4.- ALL PARK SPACES, SHALL BE A MINIMUM OF 15 FEET FROM ANY SIDE REAR PROPERTY LINE AND A MINIMUM OF 30 FEET FROM THE FRONT PROPERTY LINE, ABUTTING A STREET OR ROAD AS PER PAGE 96 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.
- 5.- EACH GUEST PARKING SPACE SHALL BE A MINIMUM OF 9 FEET WIDE BY 18 FEET LONG IN SIZE, AS PER PAGE 96 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.
- 6.- ONE PARKING SPACE FOR EVERY 15 RV PARKING SPACES, AS PER PAGE 98 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.
- 7.- THE PERIMETER OF THE RV PARK SHALL BE FENCED OR LANSCAPED TO PROVIDE ADEQUATE SCREENING FROM ADJACENT PROPERTIES OR DEVELOPMENTS, AS PER PAGE 98 ON CHAVES COUNTY GUIDELINES FOR RV PARKS.

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SHEET TITLE:

DETAILS & GENERAL NOTES

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DETAILS & NOTES

09

SHEET NO. 9 OF 24

DRAINAGE CALCULATIONS & KEY NOTES:

FOR THIS ENTIRE SECTION, REFERENCE WAS MADE TO THE PUBLIC WORKS SPECIFICATIONS ORDINANCE 05-01 OF FEBRUARY 25, 2005, SPECIFICALLY ARTICLE XVII “STANDARD SPECIFICATIONS FOR STORM DRAINAGE”.

- 1.- THIS DRAINAGE ANALYSIS WILL ASSESS THE RAINFALL DISCHARGE RATES AND VOLUMES FOR PRE-DEVELOPMENT AND POST-DEVELOPMENT CONDITIONS WITHIN THE PROJECT AREA. THE CALCULATED VALUES WILL BE USED TO APPROPRIATELY SIZE, WHEN NECESSARY, HYDRAULIC STRUCTURES SUCH AS PONDS, ROADWAYS, CHANNELS, AND STORM DRAIN SYSTEMS FOR BOTH MINOR AND MAJOR STORM EVENTS.
- 2.- THE DATA FOR RAINFALL INTENSITY WAS SOURCED FROM SECTION 2: DRAINAGE ANALYSIS CRITERIA, ITEM (C) ON DESIGN STORM INTENSITY FOR ROSWELL. ACCORDING TO THESE SPECIFICATIONS, THE RATIONAL METHOD MUST BE APPLIED TO CALCULATE FLOW RATES. THIS METHOD INVOLVES USING INTENSITY-DURATION-FREQUENCY (IDF) CURVES AND RUNOFF COEFFICIENTS SUPPLIED BY THE CITY OF ROSWELL.
- 3.- THE RUNOFF COEFFICIENTS IN THIS ANALYSIS ARE DETERMINED ACCORDING TO SOIL TYPE OR LAND USE. THE VALUES APPLIED WERE TAKEN FROM TABLE 1 AND TABLE 2 IN THIS ARTICLE 17. THE COEFFICIENTS CONSIDERED ARE PRESENTED BELOW:

RATIONAL METHOD RUNOFF COEFFICIENTS	
DESCRIPTION	"C" VALUE
FARMLAND	0.175
ASPHALT	0.800
LAWNS, POOR DRAINED	0.150
GRAVEL AREA	0.600
CONCRETE AREA	0.85
ROOF TOP	0.950
PARKS	0.175

- 4.- THE FOLLOWING TABLES SHOW THE DISTRIBUTION OF EACH ZONE AND THE CORRESPONDING COEFFICIENTS:

PRE-DEVELOPMENT "C" VALUES		
LAND USE CATEGORY	TOTAL AREA (ACRES)	"C" VALUE
LAWNS, POOR DRAINED	10.15	0.15

POST-DEVELOPMENT "C" VALUES		
LAND USE CATEGORY	TOTAL AREA (ACRES)	"C" VALUE
GRAVEL AREA	2.15	0.60
ROOF TOP	0.19	0.95
CONCRETE AREA	0.31	0.85
LAWNS	3.76	0.15
ASPHALT AREA	3.74	0.80

- 5.- THE FOLLOWING TABLES PRESENT THE MAXIMUM FLOW CALCULATIONS FOR THE PRE-DEVELOPMENT OF THE ZONE FOR 10 YEARS OF STORM EVENTS AND THE POST-DEVELOPMENT OF THE ZONE FOR 25 YEARS OF STORM EVENTS.

10 YEAR PRE-DEVELOPMENT STORMWATER CALCULATIONS					
ZONE	TOTAL AREA (ACRES)	TC (MIN)	RUNOFF COEFFICIENT	RAINFALL INTENSITY (IN/HOUR)	PEAK DISCHARGE (CFS)
LAWNS, POOR DRAINED	10.15	56.00	0.15	1.84	2.80

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DRAINAGE CALCULATIONS & KEY NOTES (CONTINUATION):

25 YEAR POST-DEVELOPMENT STORMWATER CALCULATIONS					
ZONE	TOTAL AREA (ACRES)	TC (MIN)	RUNOFF COEFFICIENT	RAINFALL INTENSITY (IN/HOUR)	PEAK DISCHARGE (CFS)
GRAVEL AREA	2.15	8.00	0.60	6.52	8.41
ROOF TOP	0.19	8.00	0.95	6.52	1.18
CONCRETE AREA	0.31	8.00	0.85	6.52	1.72
LAWNS	3.76	8.00	0.15	6.52	3.68
ASPHALT AREA	3.74	8.00	0.80	6.52	19.51
				TOTAL =	34.50

6.- THE EQUATION OF SECTION 4 OF ARTICLE XVII SHALL BE USED TO CALCULATE THE NECESSARY CAPACITY OF THE POND. THE FOLLOWING PROCEDURE SHALL BE FOLLOWED:

POND VOLUME CALCULATIONS				
EQUATION	TC (MIN)	Q1 (CFS)	Q0 (CFS)	V (CF)
$V = 60 \times TC \times Q1 (1 - Q0/Q1)$	8.00	34.50	2.80	15,216.00

WHERE:

- V: REQUIRED STORAGE VOLUME (CF).
- TC: TIME OF CONCENTRATION (MIN).
- Q1: PEAK INFLOW (CFS) - 25-YEAR 24-HOUR STORM UNDER DEVELOPED CONDITIONS.
- Q2: PEAK OUTFLOW (CFS) - 10-YEAR 24-HOUR STORM UNDER EXISTING CONDITIONS.

7.- FINALLY, THE TABLE BELOW PRESENTS THE DIMENSIONS AND STORAGE CAPACITY OF THE POND, WHICH WILL FEATURE SIDE SLOPES WITH A 3:1 RATIO. THE POND WILL ALSO INCLUDE A TRAPEZOIDAL WEIR AS PART OF ITS DESIGN.

POND CAPACITY			
LENGTH (FT)	SUPERIOR WIDTH (FT)	DEPTH (FT)	STORAGE CAPACITY (CF)
176.00	96.00	3.00	45,900.00

NOTE: THE DETENTION POND WAS INTENTIONALLY OVERDESIGNED TO ACCOMMODATE FUTURE DEVELOPMENT IN ADJACENT AREAS, WHICH WILL REQUIRE ROUTING RUNOFF FROM THE NEW PROJECT INTO THIS POND.

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SHEET TITLE:

DRAINAGE CALCULATIONS (2 OF 2)

REV:

DESCRIPTION:

DATE:

BY:

DESIGNED BY: AS
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DATE:
FEBRUARY 7, 2025

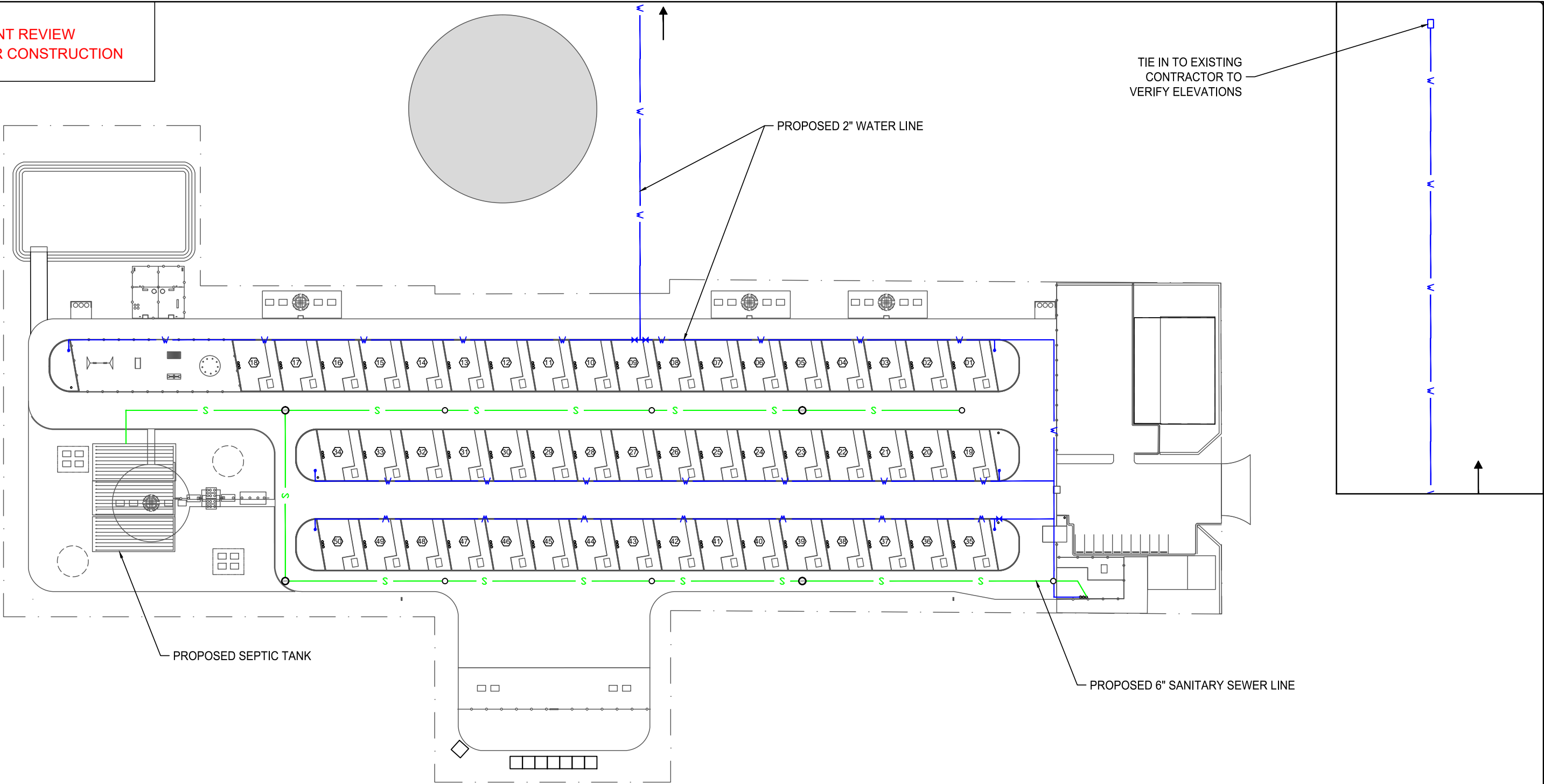


DRAINAGE CALCULATIONS (2 OF 2)

11

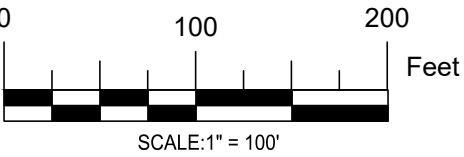
SHEET NO. 11 OF 24

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LEGEND:

- W— PROPOSED 2" WATER LINE
- S— PROPOSED 6" SANITARY SEWER LINE
- EXISTING WATER STORAGE TANK
- ◀▶ PROPOSED 2" GATE VALVE & VALVE BOX
- ⊙ PROPOSED MANHOLE
- PROPOSED 6" CLEANOUT



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UTILITY OVERVIEW

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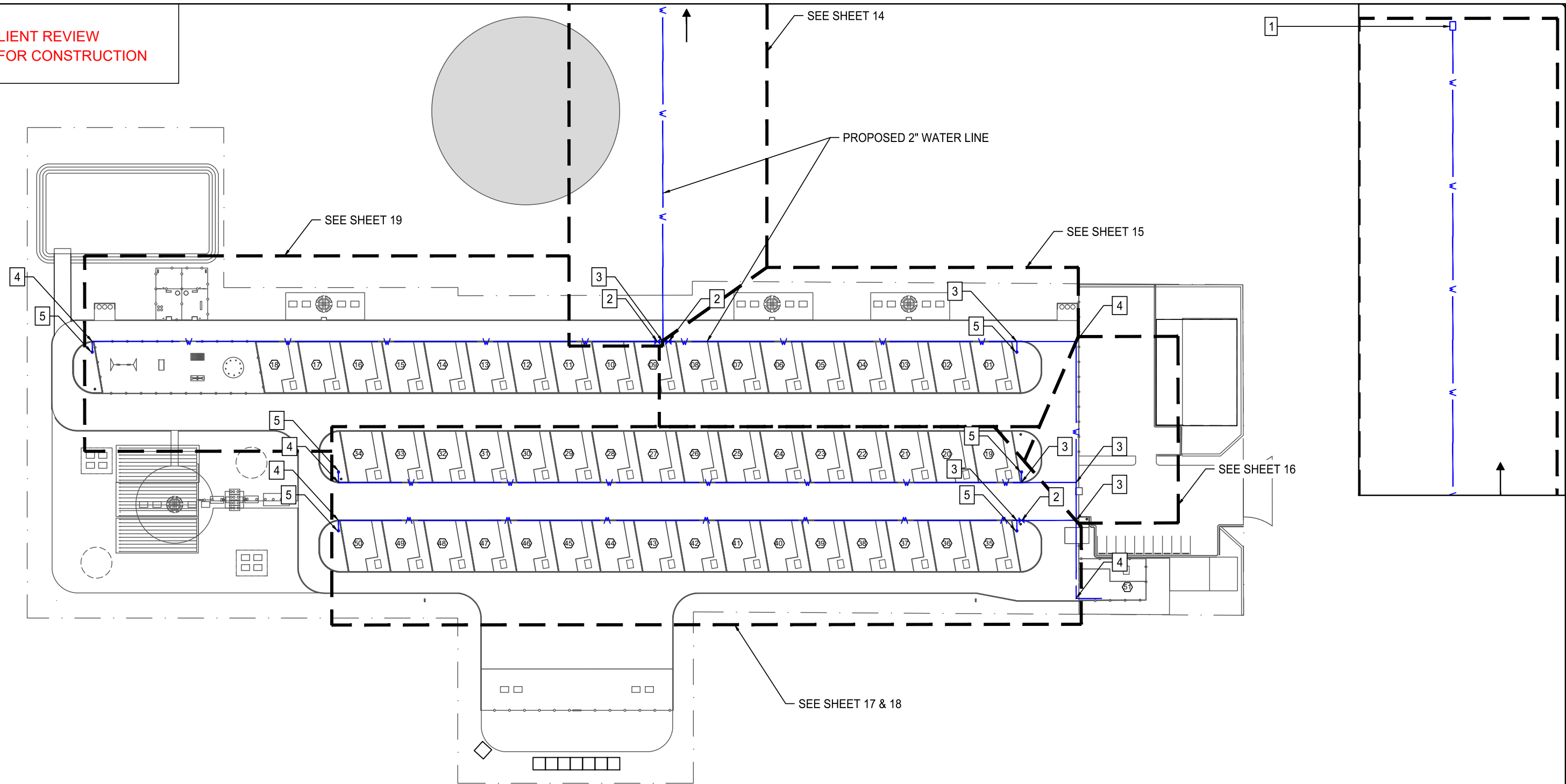


UTILITY OVERVIEW

12

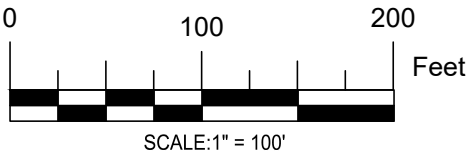
SHEET NO. 12 OF 24

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LEGEND:

- w— PROPOSED 2" WATER LINE
- EXISTING WATER STORAGE TANK
- 1 TIE IN TO EXISTING WATER/CITY TAP & 2" METER
- 2 PROPOSED 2" GATE VALVE & VALVE BOX
- 3 PROPOSED 2" x 2" x 2" TEE
- 4 PROPOSED 2" 90° BEND
- 5 PROPOSED 3/4" STUBOUT WITH 3/4" CAP FOR IRRIGATION



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SHEET TITLE:

WATER LINE LAYOUT

REV.	DESCRIPTION:	DATE:	BY:

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DRAWN BY: AS
CHECKED BY: BT

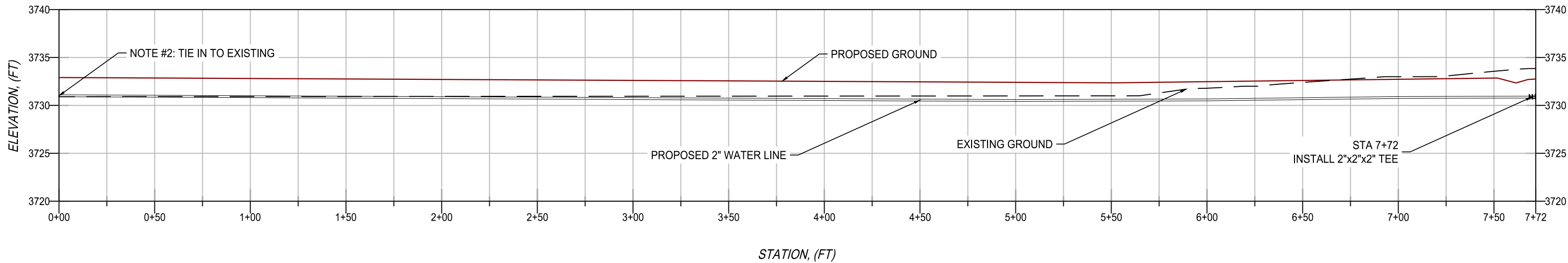
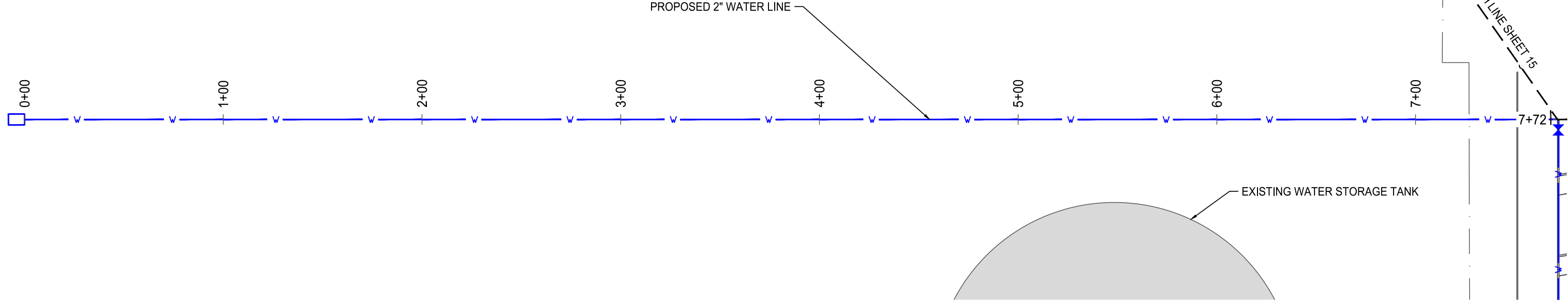
DATE:
MARCH 24, 2025



WATER LINE LAYOUT

13

SHEET NO. 13 OF 24

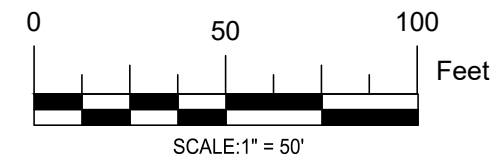


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- PROPOSED 2" WATER LINE
- PROPOSED 2" GATE VALVE & VALVE BOX
- PROPOSED 2"x2"x2" TEE
- PROPOSED 2" 90° BEND

NOTE:

- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.
- TIE IN TO EXISTING, CONTRACTOR TO VERIFY ELEVATIONS.



FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

WATER LINE PLAN & PROFILE (1 OF 4)

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

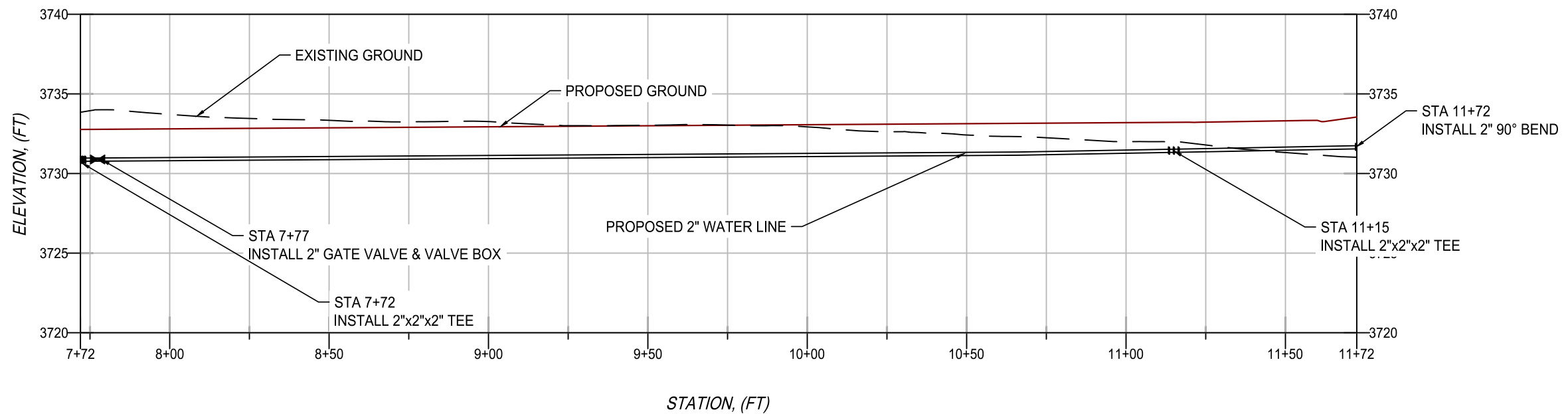
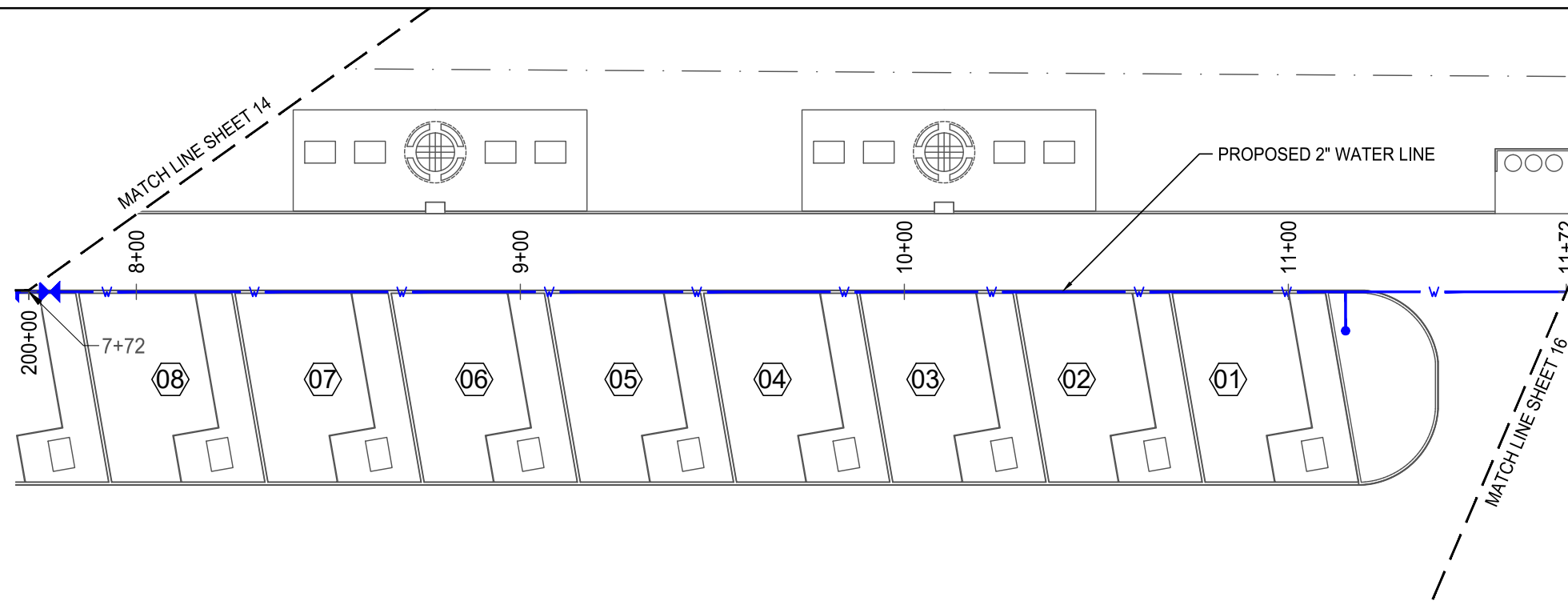
DATE:
MARCH 24, 2025



WATER LINE PLAN & PROFILE (1 OF 4)

14

SHEET NO. 14 OF 24

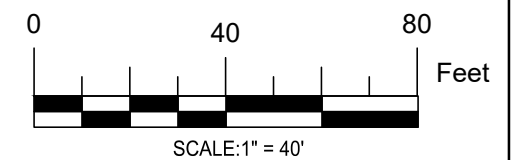


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- PROPOSED 2" WATER LINE
- PROPOSED 2" GATE VALVE & VALVE BOX
- PROPOSED 2"x2"x2" TEE
- PROPOSED 2" 90° BEND

NOTE:

- 1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

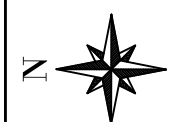
SHEET TITLE:

WATER LINE PLAN & PROFILE (2 OF 4)

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

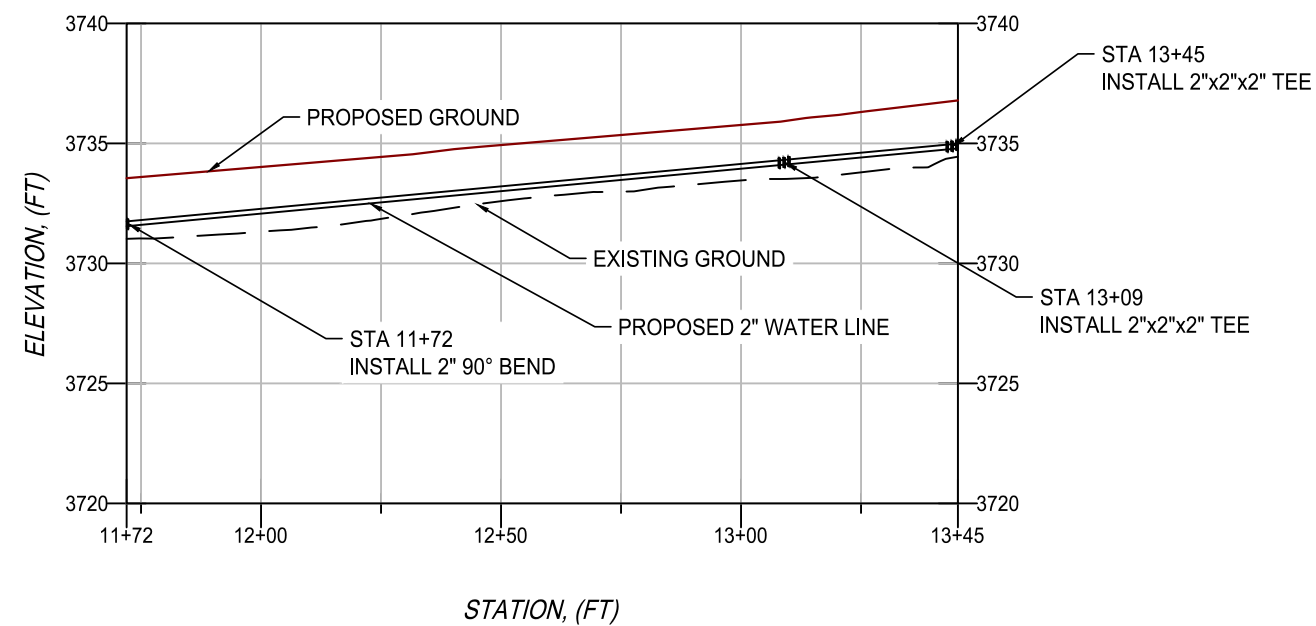
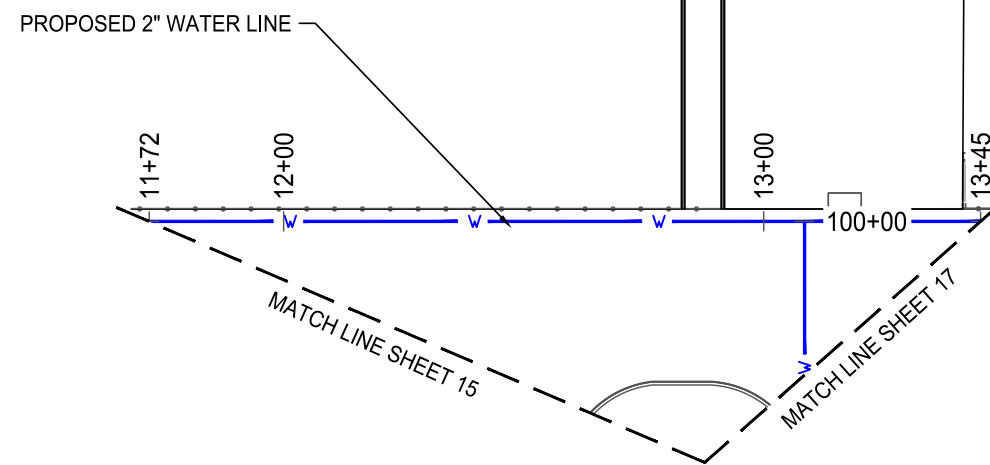
DATE:
MARCH 24, 2025



WATER LINE PLAN & PROFILE (2 OF 4)

15

SHEET NO. 15 OF 24

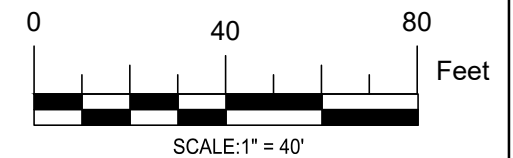


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- PROPOSED 2" WATER LINE
- PROPOSED 2" GATE VALVE & VALVE BOX
- PROPOSED 2"x2"x2" TEE
- PROPOSED 2" 90° BEND

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

WATER LINE PLAN & PROFILE (3 OF 4)

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

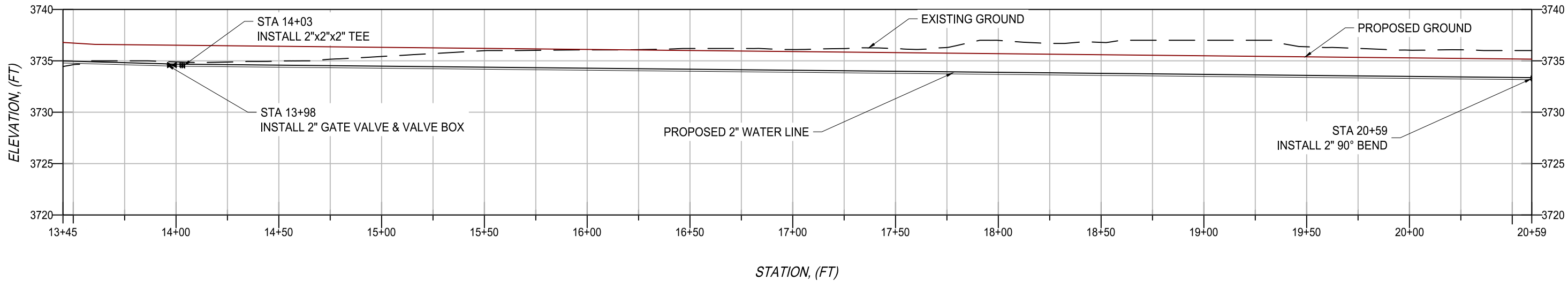
DATE:
MARCH 24, 2025



WATER LINE PLAN & PROFILE (3 OF 4)

16

SHEET NO. 16 OF 24

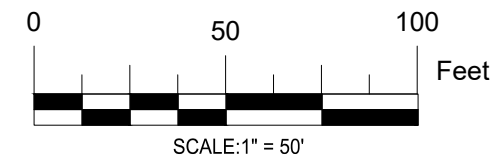


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- PROPOSED 2" WATER LINE
- PROPOSED 2" GATE VALVE & VALVE BOX
- PROPOSED 2"x2"x2" TEE
- PROPOSED 2" 90° BEND

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

WATER LINE PLAN & PROFILE (4 OF 6)

REV:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

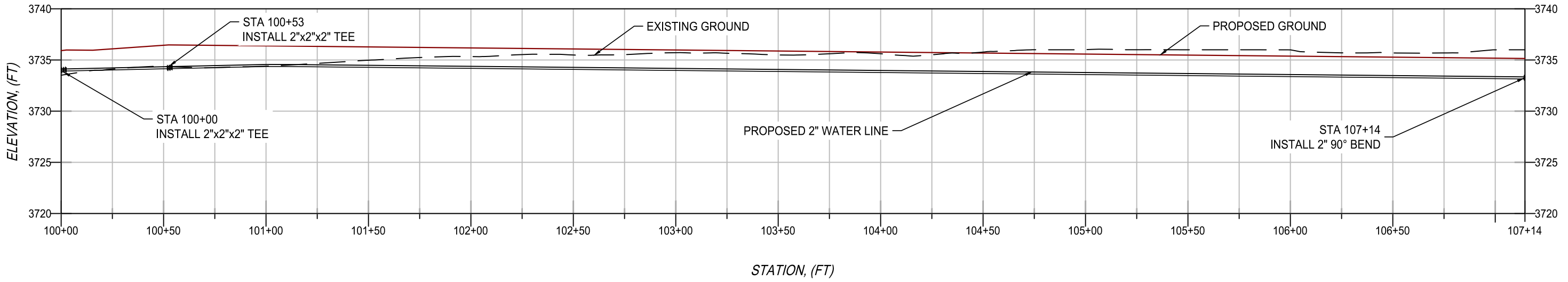
DATE:
MARCH 24, 2025



WATER LINE PLAN & PROFILE (4 OF 6)

17

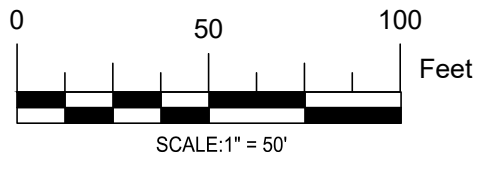
SHEET NO. 17 OF 24



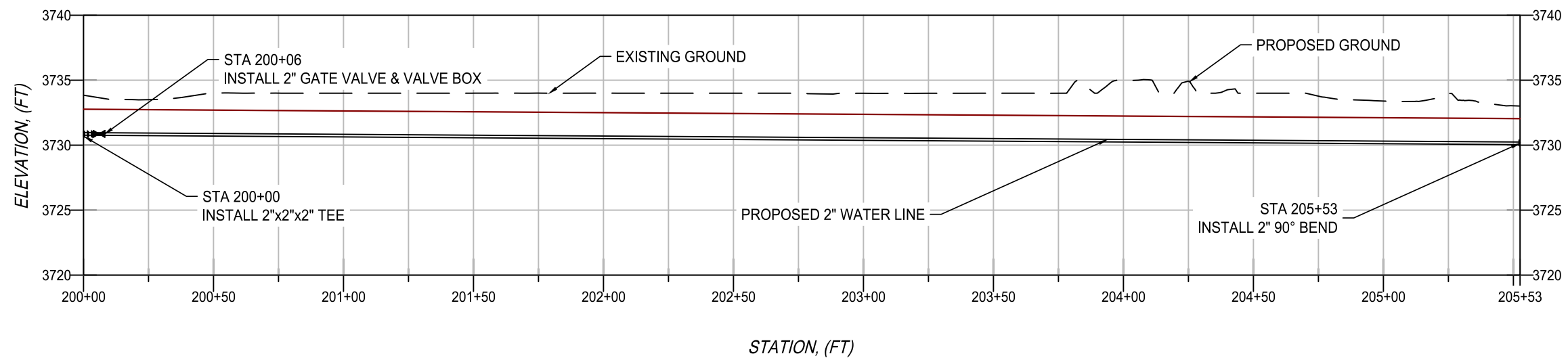
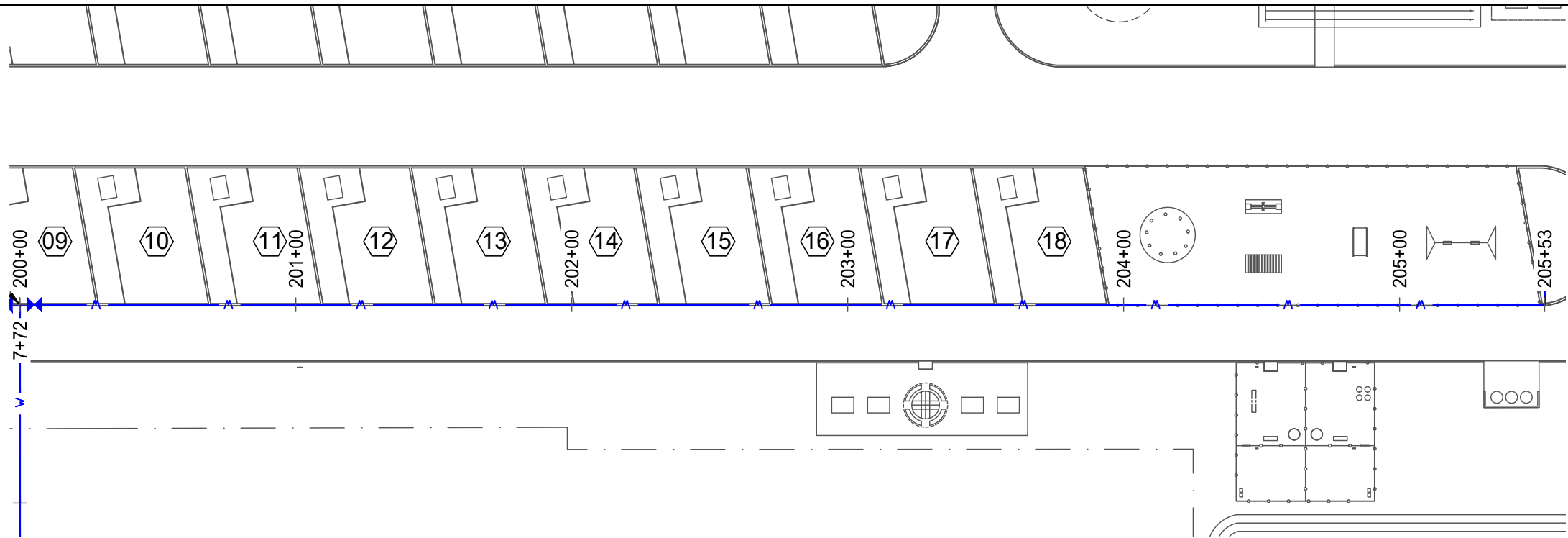
- LEGEND:**
- EXISTING GRADE
 - PROPOSED GROUND
 - PROPOSED 2" WATER LINE
 - PROPOSED 2" GATE VALVE & VALVE BOX
 - PROPOSED 2"x2"x2" TEE
 - PROPOSED 2" 90° BEND

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



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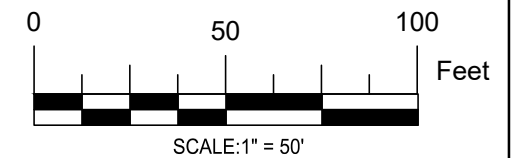


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- PROPOSED 2" WATER LINE
- PROPOSED 2" GATE VALVE & VALVE BOX
- PROPOSED 2"x2"x2" TEE
- PROPOSED 2" 90° BEND

NOTE:

- 1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



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GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

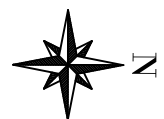
SHEET TITLE:

WATER LINE PLAN & PROFILE (6 OF 6)

REV:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

DATE:
MARCH 24, 2025

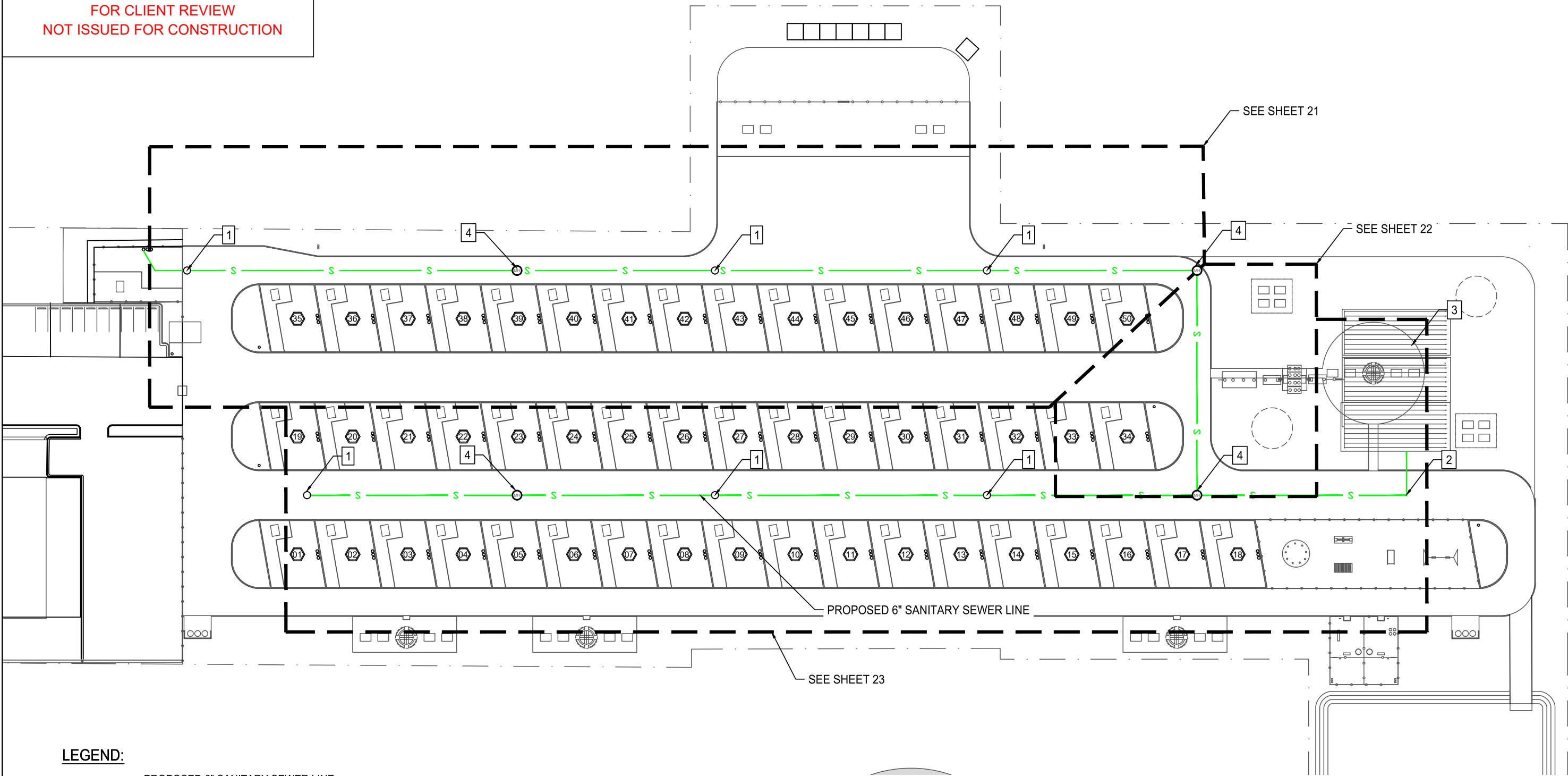


WATER LINE PLAN & PROFILE (6 OF 6)

19

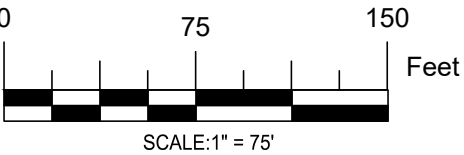
SHEET NO. 19 OF 24

FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



LEGEND:

- PROPOSED 6" SANITARY SEWER LINE
- EXISTING WATER STORAGE TANK
- PROPOSED MANHOLE
- PROPOSED 6" CLEANOUT
- PROPOSED 6" 90° BEND
- PROPOSED SEPTIC TANK
- PROPOSED MANHOLE



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

AEROHEAD RV PARK
CHAVES COUNTY, NEW MEXICO

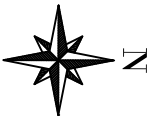
SHEET TITLE:

SEWER LINE LAYOUT

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

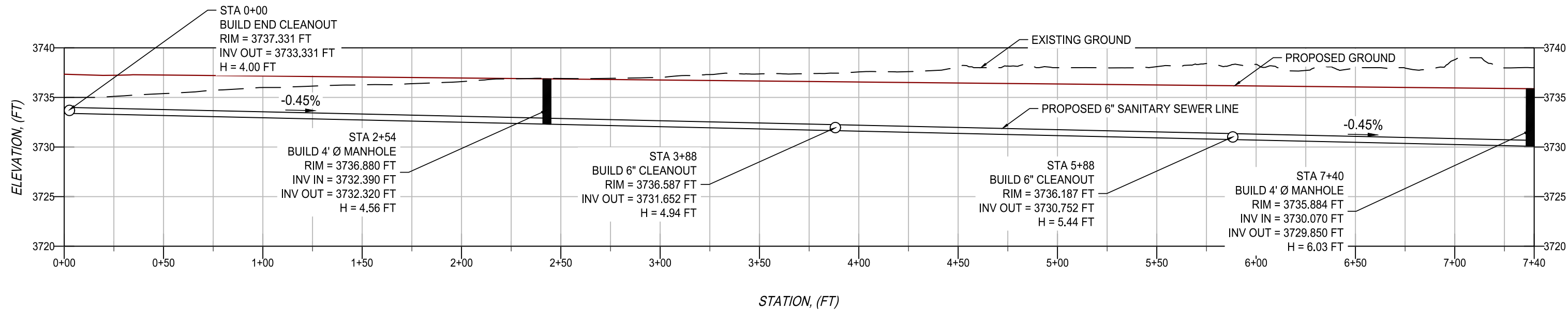
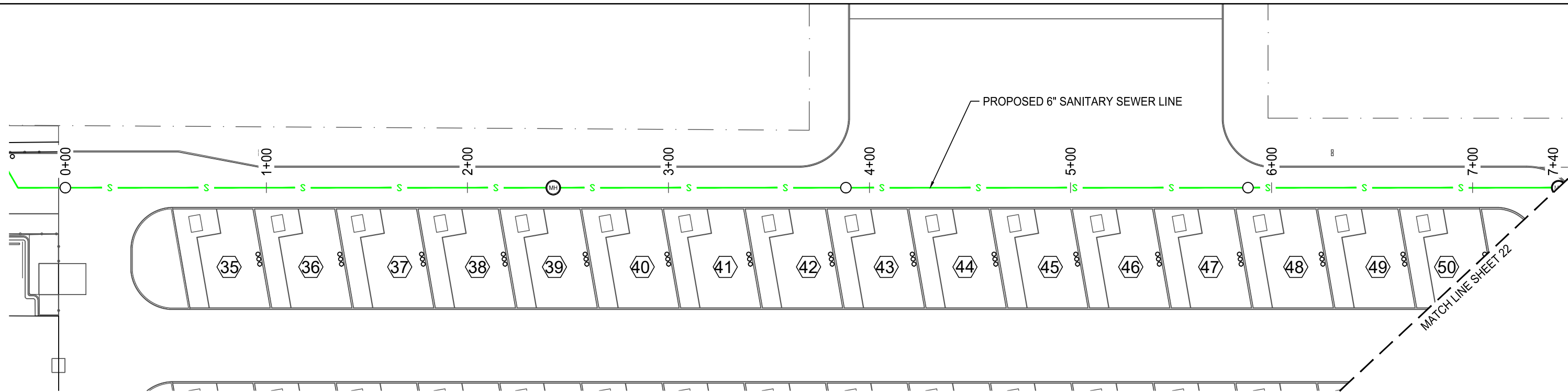
DATE:
MARCH 24, 2025



SEWER LINE LAYOUT

20

SHEET NO. 20 OF 24

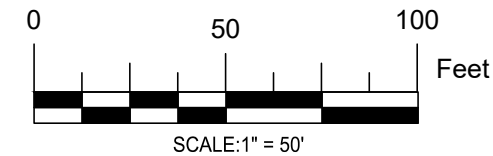


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- DRAINAGE SLOPE
- PROPOSED 6" SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED 6" CLEANOUT

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



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GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT: MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO
SHEET TITLE: SEWER LINE PLAN & PROFILE (1 OF 3)

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

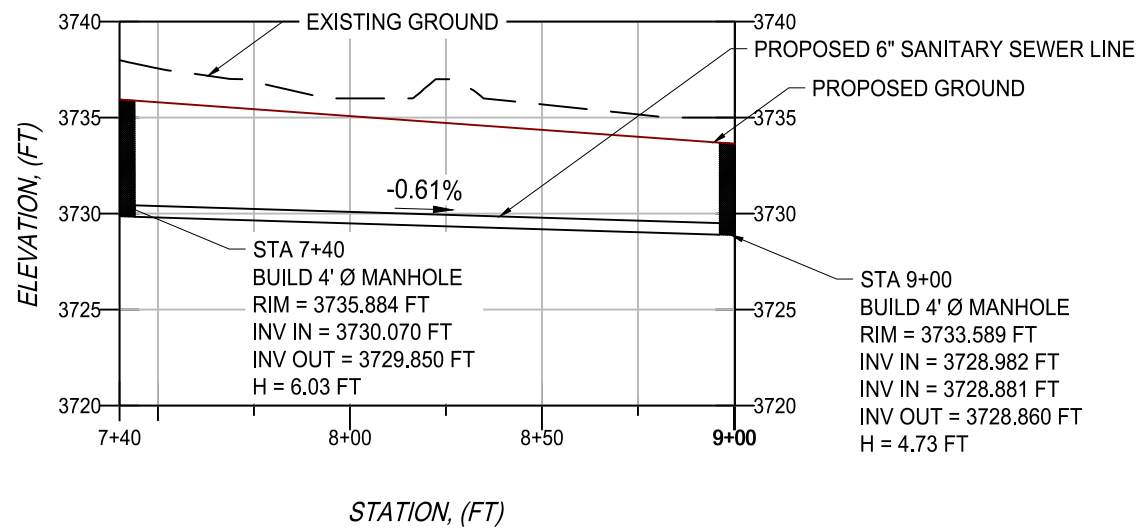
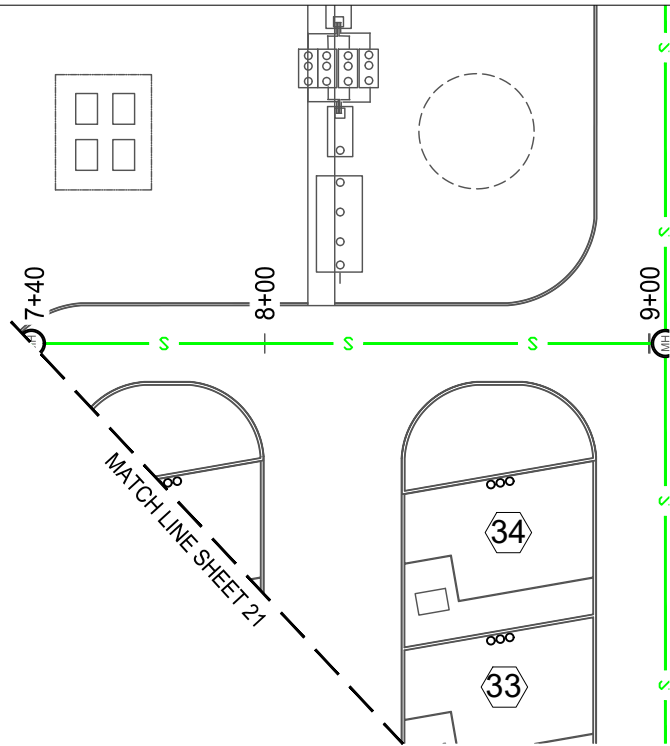
DATE: MARCH 24, 2025



SEWER LINE PLAN & PROFILE (1 OF 3)

21

SHEET NO. 21 OF 24

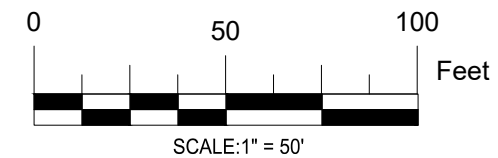


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- DRAINAGE SLOPE
- PROPOSED 6" SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED 6" CLEANOUT

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

SEWER LINE PLAN & PROFILE (2 OF 3)

REV:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

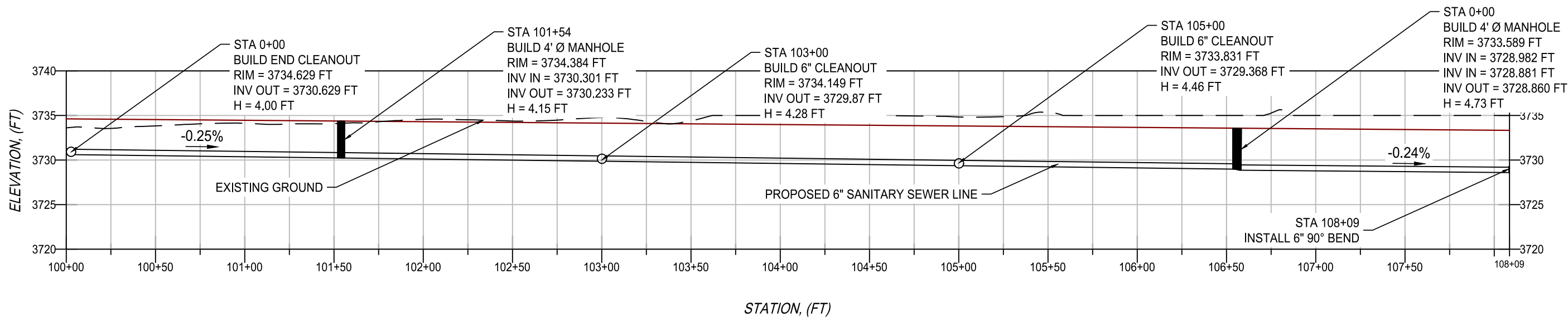
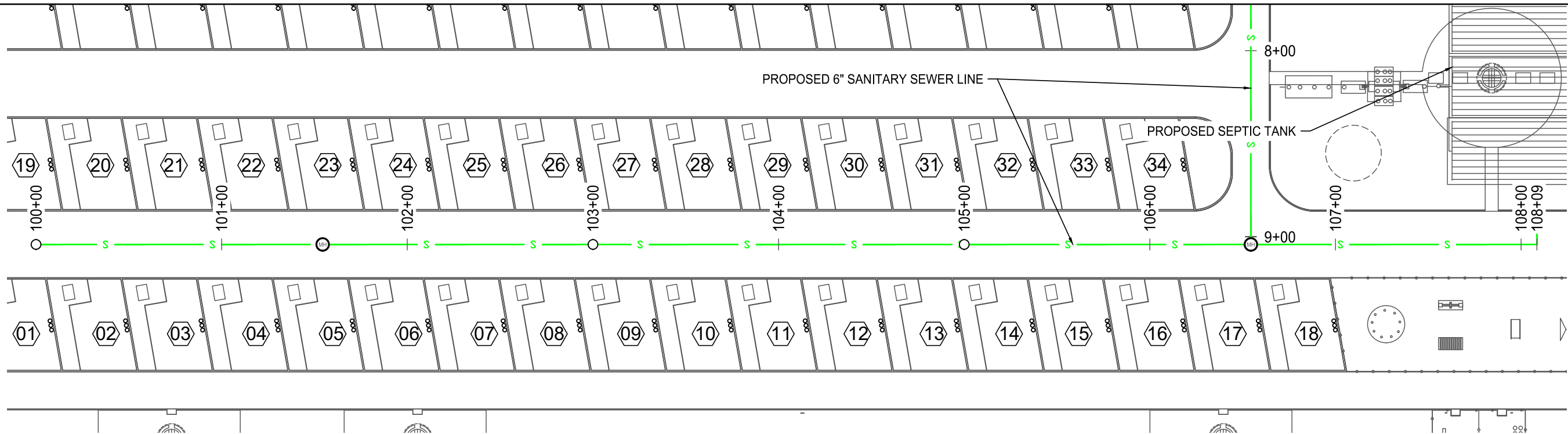
DATE:
MARCH 24, 2025



SEWER LINE PLAN & PROFILE (2 OF 3)

22

SHEET NO. 22 OF 24

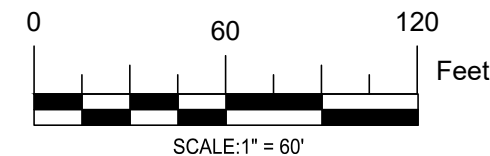


LEGEND:

- EXISTING GRADE
- PROPOSED GROUND
- DRAINAGE SLOPE
- PROPOSED 6" SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED 6" CLEANOUT

NOTE:

1.- THE PROFILE VIEW HAS A VERTICAL EXAGGERATION OF x 5.0.



**FOR CLIENT REVIEW
NOT ISSUED FOR CONSTRUCTION**



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

MITCHELL AIRPORT
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

SEWER LINE PLAN & PROFILE (3 OF 3)

REV.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

DATE:
MARCH 24, 2025



SEWER LINE PLAN & PROFILE (3 OF 3)

23

SHEET NO. 23 OF 24



RV PARK SPACES



MANAGER'S RV PARKING SPACE



HORSE STABLES



DETENTION POND



DOG PARK



PICNIC AREA



RV PARK ENTRANCE



GARMAR ENTERPRISES LLC
Email: admin@garmarenterprises.com
Phone: (940) 442-6363

PROJECT:

AEROHEAD RV PARK
CHAVES COUNTY, NEW MEXICO

SHEET TITLE:

3D RENDERS

REV:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: BT

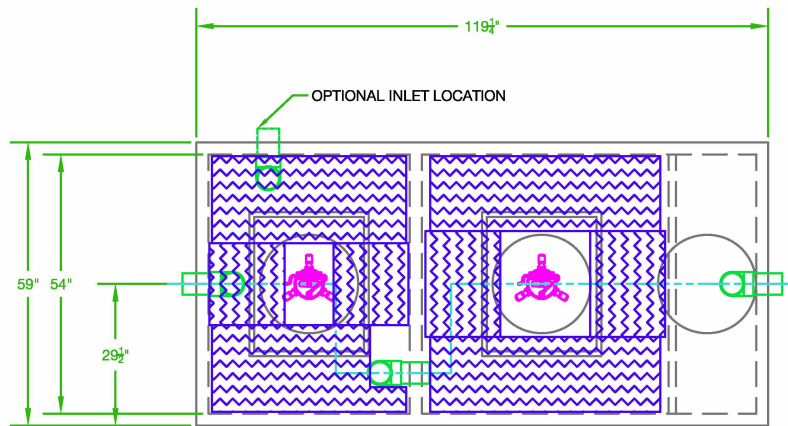
DATE:
MARCH 24, 2025



3D RENDERS

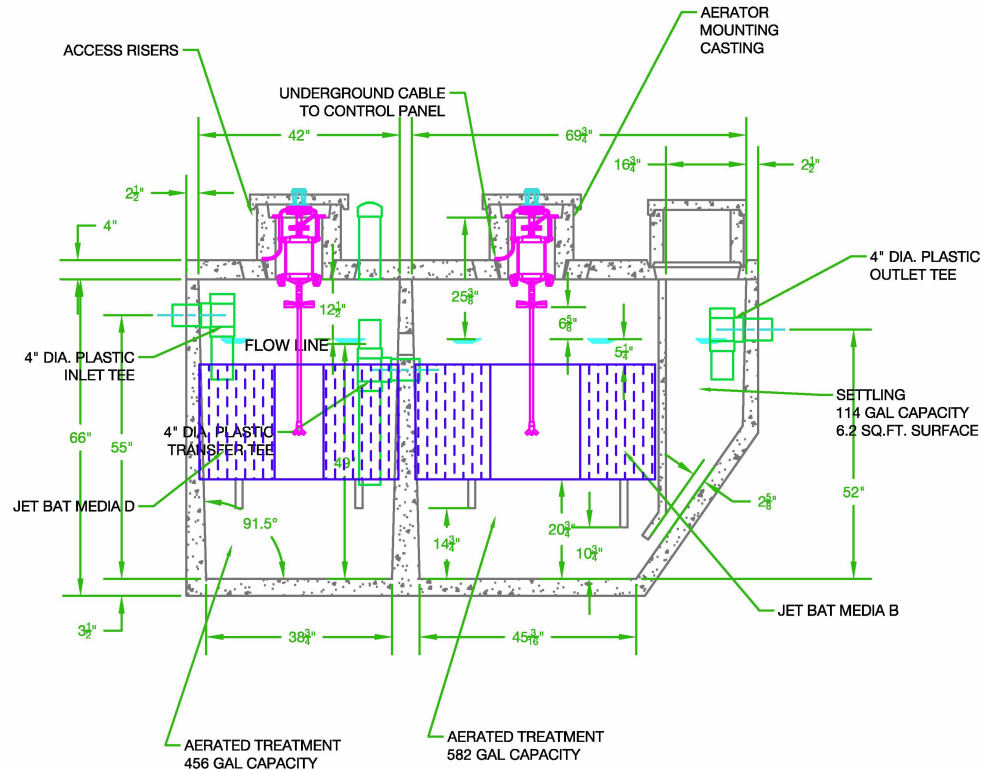
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SHEET NO. 24 OF 24

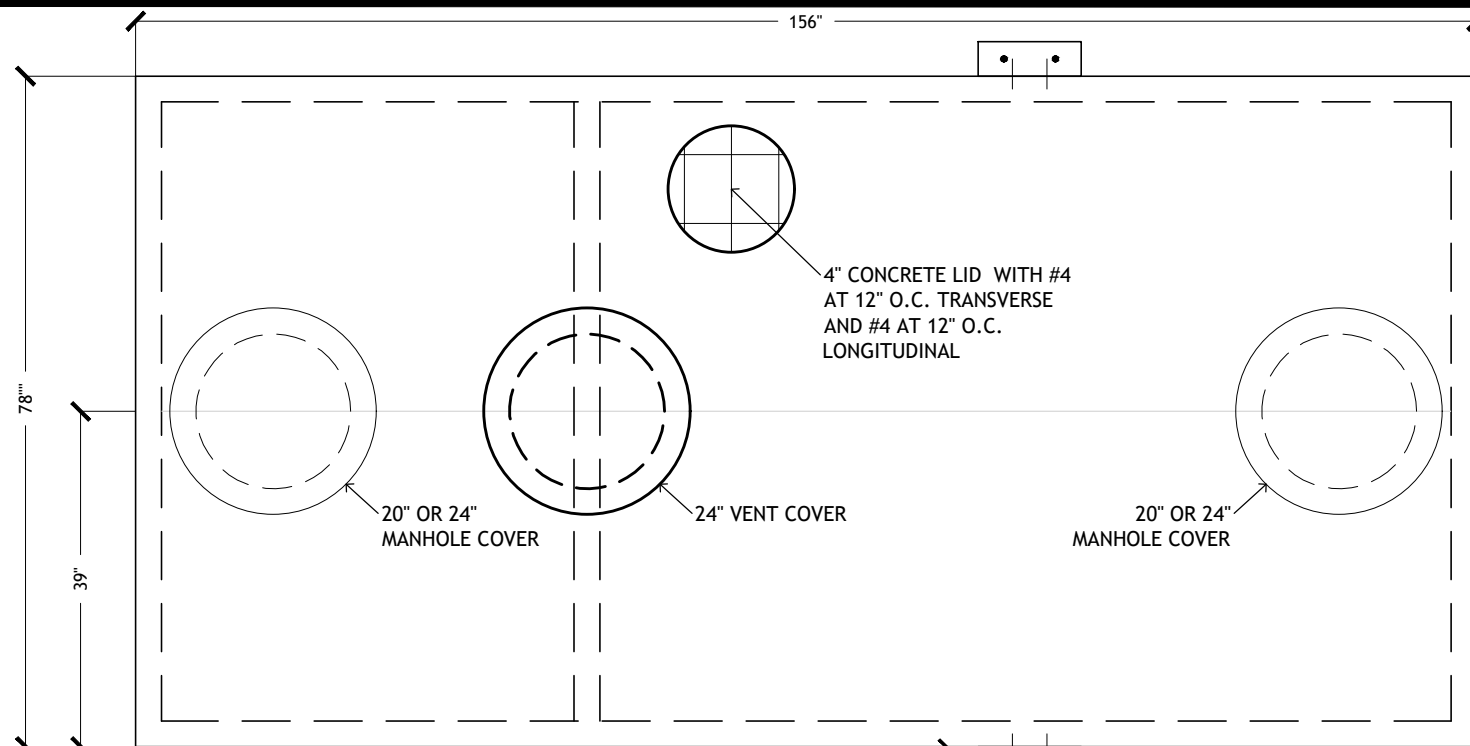


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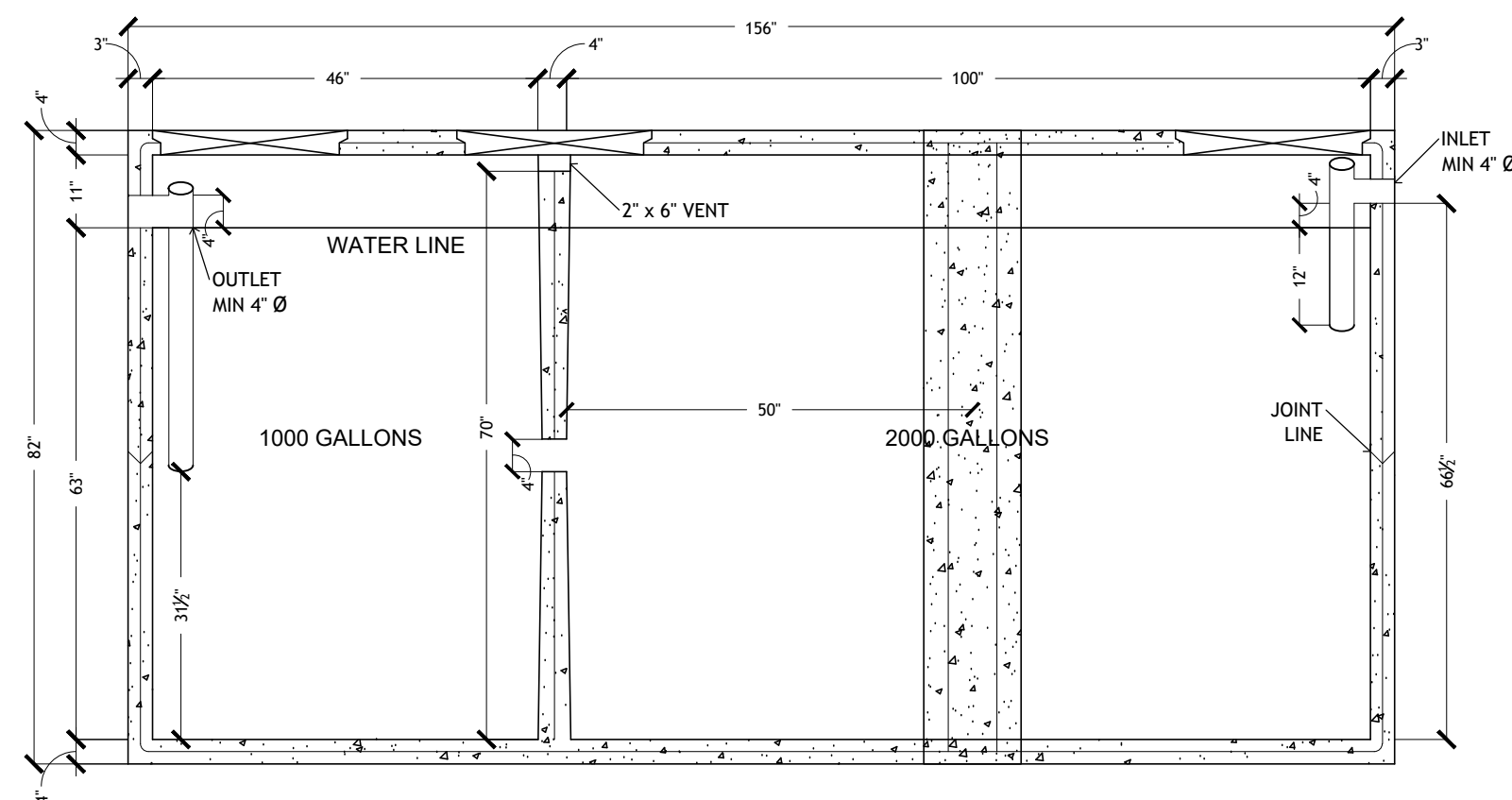
1. AERATOR MODEL 700LL MUST BE USED IN CONTINUOUS OPERATION IN EACH TREATMENT CHAMBER
2. J-1500 MUST BE PRECEDED BY 1000 GALLON SEPTIC TANK OR PRETREATMENT TANK
3. DEVELOP RISERS TO GRADE OR WITHIN 12" BELOW GRADE
4. PLASTIC RISERS CAST INTO THE TANK LID MAY BE USED IN PLACE OF CONCRETE RISERS



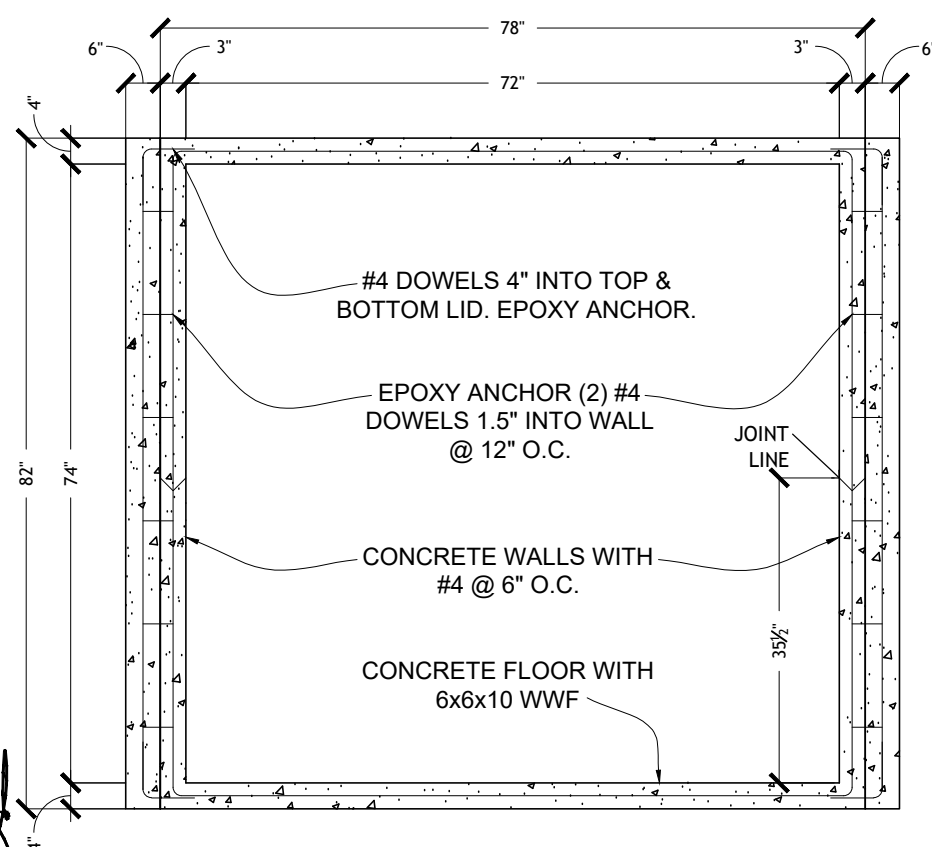
- 140708/14/14 REDRAWN		N J K	
REV	ECN	DATE	DESCRIPTION
		08/14/14	DRFT
 Wastewater Treatment Solutions <i>Innovated an Innovation. Anchored by Service.</i>		DRAWN BY: N J K	DATE 08/14/14
		APPROVED BY:	DATE:
TITLE: J-1500 RESIDENTIAL WWTP ONE PIECE TANK CASTING		MATERIAL:	
USED ON:		SCALE: 1 : 20	SIZE: C
		UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DECIMAL: ± .005 FRACTIONAL: ± 1/64 DEGREE: ± 1°	
PROPRIETARY PROPERTY: THIS DRAWING IS THE PROPERTY OF JET INC. AND MAY NOT BE REPRODUCED, COPIED OR USED WITHOUT WRITTEN PERMISSION.		DRAWING NUMBER: J-1500	
		REV: -	



PLAN VIEW



SECTIONAL VIEW AT LONGITUDINAL



SECTIONAL VIEW AT TRANSVERSE

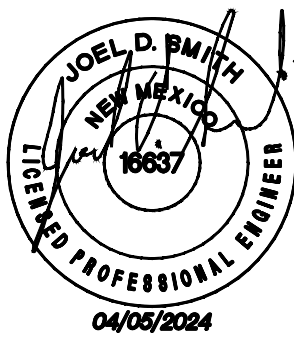
DESIGN LOADS:
UP TO 3 FEET BURY ON LID.
LIVE LOAD = 300 PSF
UNSATURATED SOIL CONDITIONS

DESIGN PROPERTIES:
CONCRETE STRENGTH = 4,000 PSI, TYPE II CONCRETE
STEEL STRENGTH:
#4 REBAR = 40,000 PSI, GRADE 40
CONCRETE WEIGHT = 150 PCF NORMAL WEIGHT

FOUNDATIONS:
PROVIDE SOIL BED WITH ALLOWABLE SOIL BEARING
CAPACITY OF 1,000 PS, MINIMUM.

JOINT SEALANT:
JOINT SEALANT SHALL BE A BUTYL RUBBER SEALANT,
AS MANUFACTURED BY CONSEAL CONCRETE SEALANTS.
SEALANT SHALL MEET THE REQUIREMENTS OF ASTM C-990

TANK MARKINGS:
MARKINGS TO BE LOCATED ON OUTLET SIDE, ABOVE
OUTLET.
TANK MEETS MINIMUM STANDARDS OF NMAC 20.7.3.501
AND 20.7.3.502



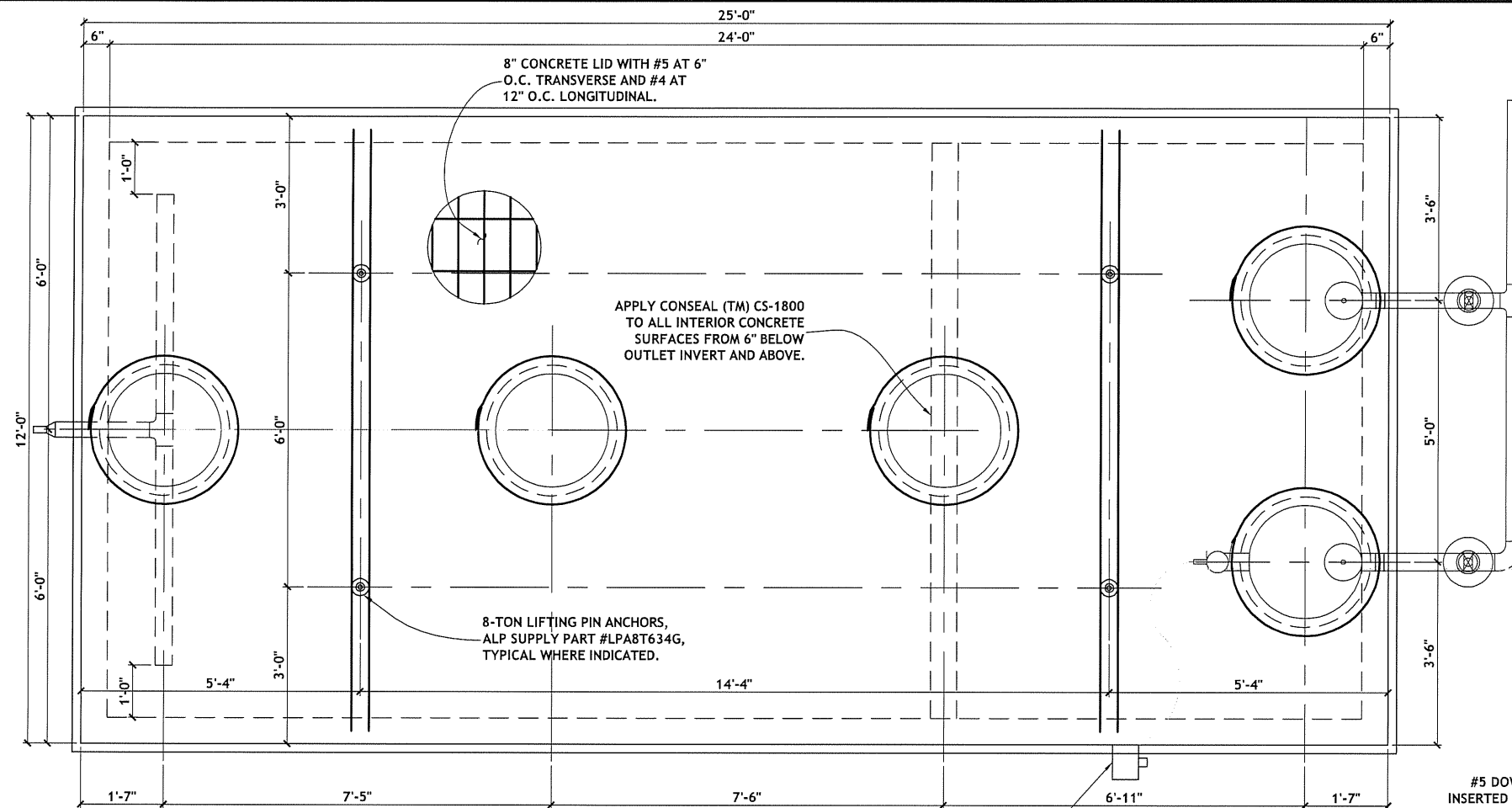
REV	DESCRIPTION	DATE	BY	APP

JSH Engineering LLC
110 West Country Club Rd., Ste. 3
Roswell, NM 88201 Phone: 575-626-2681

DRN BY:	PM	SCALE:	NTS
DATE:	1/10/24	APP:	APP
ER DWG:	24-002	DWG:	S1

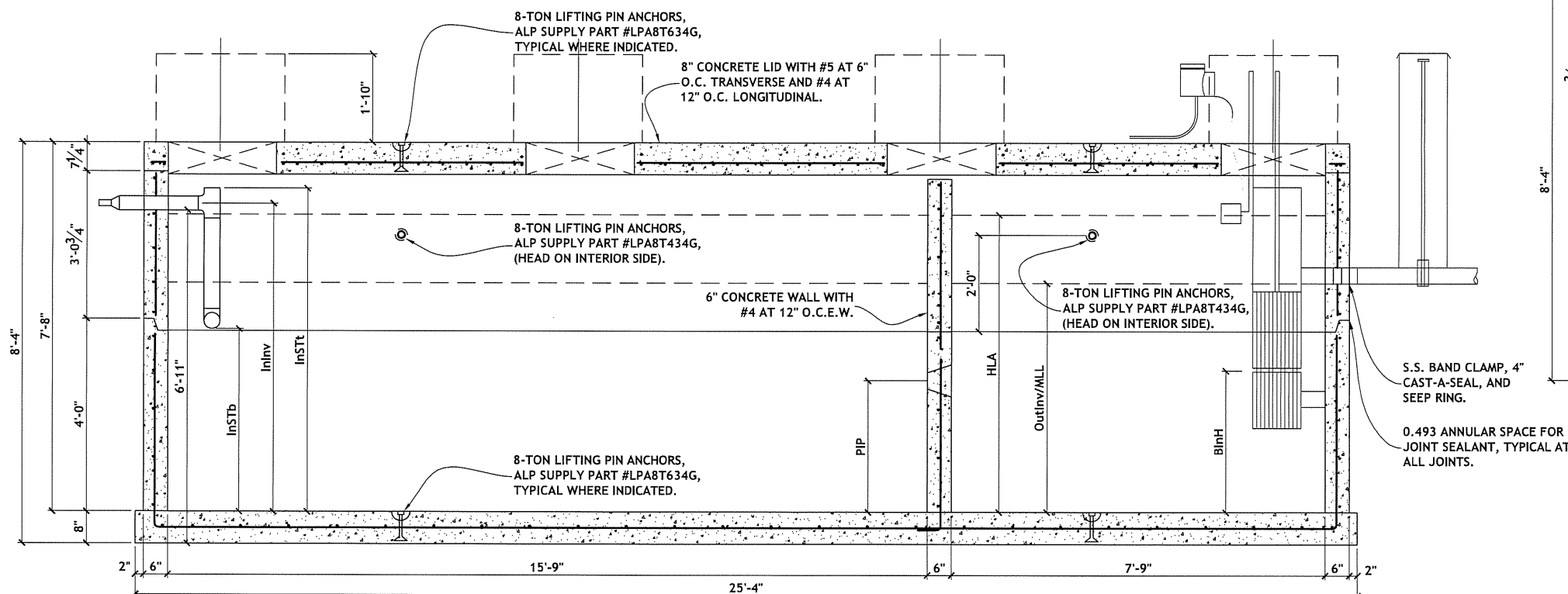
3000 GALLON SEPTIC TANK
JOHNSON SEPTIC
PLAN AND SECTION VIEWS

SHT NO.	OF
1	1



PLAN VIEW

SCALE: NTS



SECTIONAL VIEW AT LONGITUDINAL

SCALE: NTS

DESIGN LOADS:

MAXIMUM LIVE LOAD ALLOWABLE = 2.2^k
 BURY DEPTH = 8'-0" MIN. TO 14'-0" MAX.

DESIGN PROPERTIES:

CONCRETE STRENGTH = 5,000 PSI, TYPE II CONCRETE
 STEEL STRENGTH:
 #4 REBAR = 40,000 PSI, GRADE 40
 #5 REBAR = 60,000 PSI, GRADE 60
 CONCRETE WEIGHT = 150 PCF NORMAL WEIGHT

SEPTIC TANK MEETS ASTM C-1227 DESIGN REQUIREMENTS.

FOUNDATION:

PROVIDE SOIL BED WITH ALLOWABLE SOIL BEARING CAPACITY OF 1,000 PSF, MINIMUM.

JOINT SEALANT:

JOINT SEALANT SHALL BE A BUTYL RUBBER SEALANT, AS MANUFACTURED BY CONSEAL CONCRETE SEALANTS. SEALANT SHALL MEET THE REQUIREMENTS OF ASTM C-990.

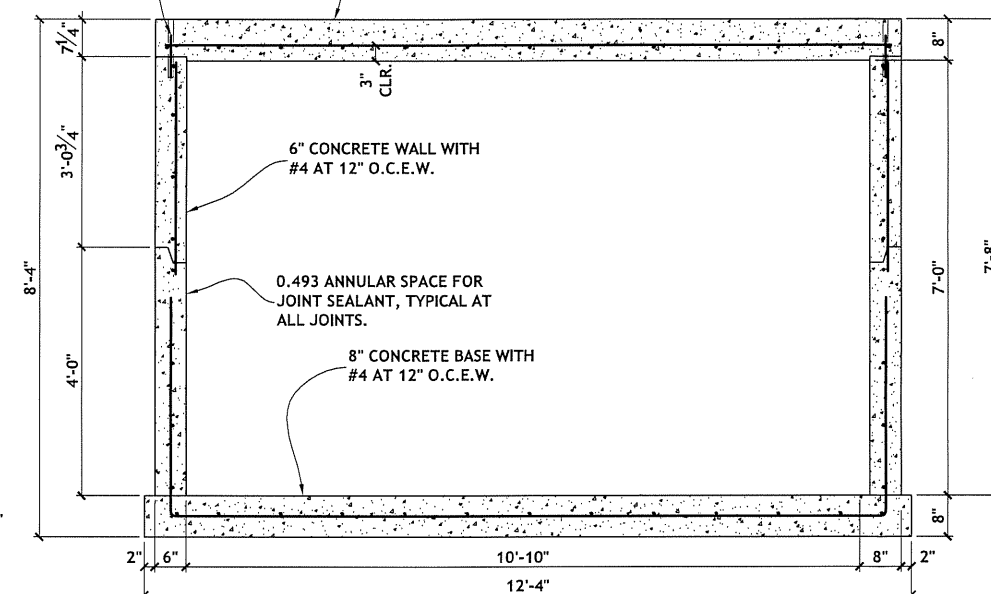
TANK MARKINGS:

MARKINGS TO BE LOCATED ON OUTLET SIDE, ABOVE OUTLET.

NOTE: ASSOCIATED EQUIPMENT SHOWN FOR CLARITY ONLY. COORDINATE WITH CES DRAWING, DATED 7/3/2020 FOR SPECIFICATIONS AND LOCATIONS.

#5 DOWEL x 8" AT 2'-0" O.C. INSERTED AFTER LID INSTALLED ON-SITE. GROUT FILL HOLE AFTER INSTALLATION.

8" CONCRETE LID WITH #5 AT 6" O.C. TRANSVERSE AND #4 AT 12" O.C. LONGITUDINAL.



SECTIONAL VIEW AT TRANSVERSE

SCALE: NTS

SHT NO. 1 OF 1

JOHNSON SEPTIC TANK COMPANY
 12,000 GALLON SOLIDS SEPARATION TANK

JSH Engineering LLC
 110 West Country Club, Suite 3
 Roswell, NM 88201 Phone: 575-755-2681

DRN BY: - SCALE: NTS
 DATE: NOV. 2020 APP:
 ER DWG: 20-070 DWG: 12000 GALL.

0	-	-	JDS	JDS
REV.	DESCRIPTION	DATE	BY	APP.