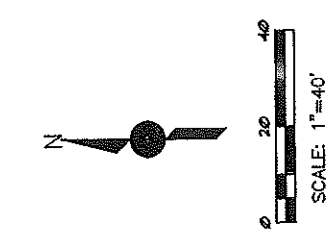
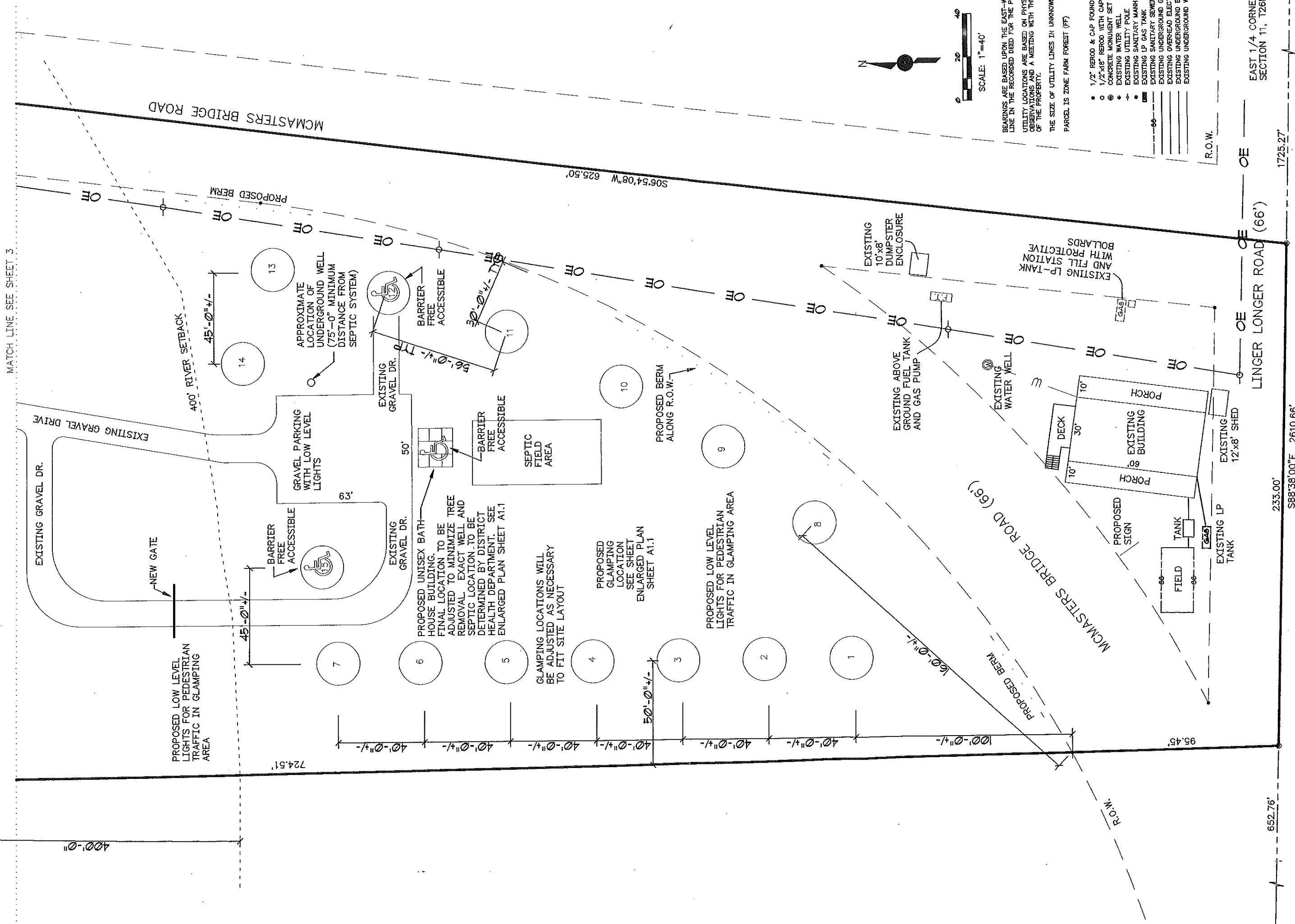


SITE PLAN



BEARINGS ARE BASED UPON THE EAST-TIES LINE IN THE RECORDED DEED FOR THE PROPERTY. UTILITY LOCATIONS ARE BASED ON PHYSICAL OBSERVATIONS AND A MEETING WITH THE OWNER OF THE PROPERTY. THE SIZE OF UTILITY LINES IS UNKNOWN. PARCEL IS ZONE FARM FOREST (FF)

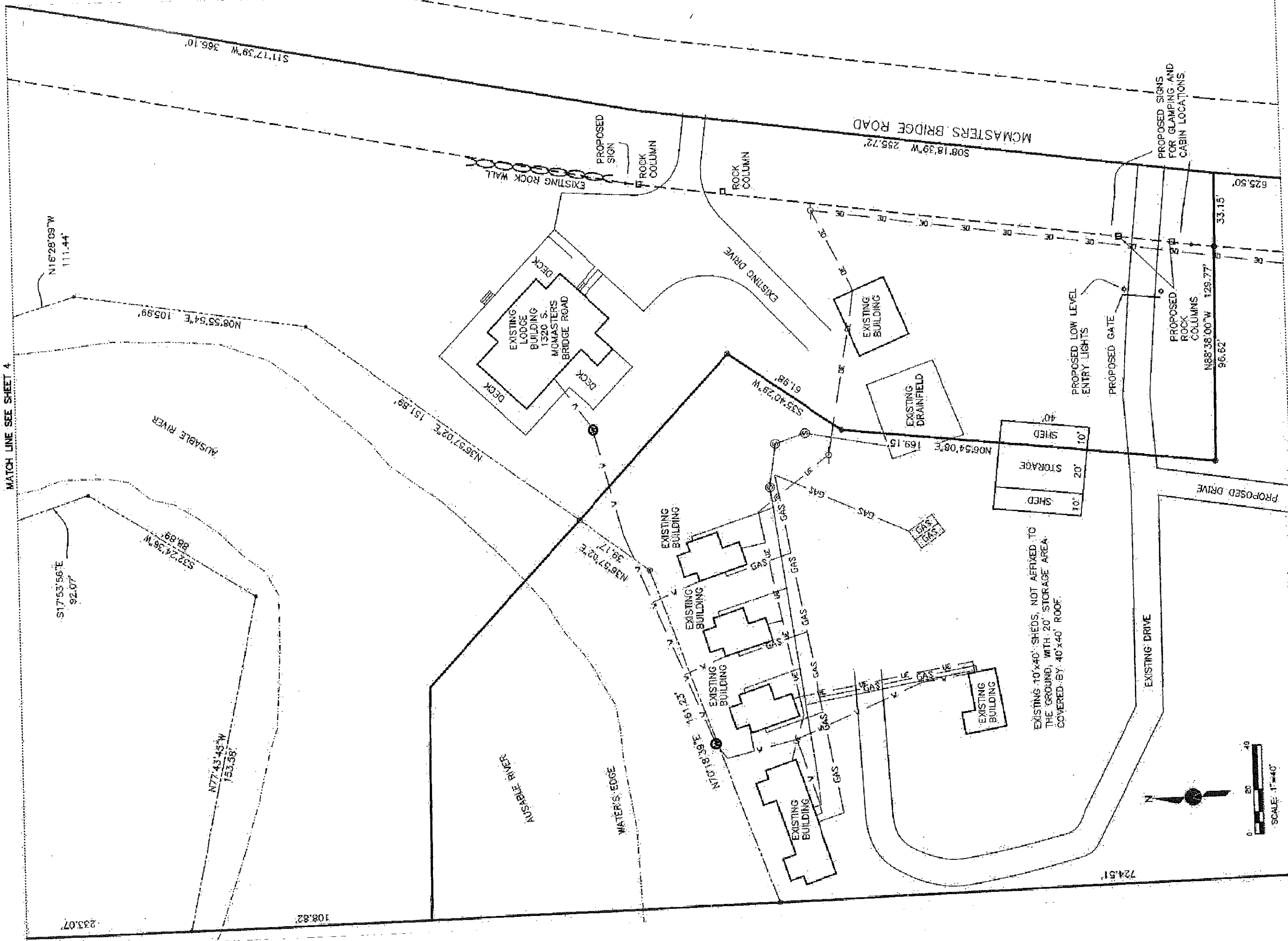
- 1/2" REROOD & CAP FOUND
- 1/2"x18" REROOD WITH CAP SET
- CONCRETE MONUMENT SET
- EXISTING WATER WELL
- EXISTING UTILITY POLE
- EXISTING SANITARY MANHOLE
- EXISTING LP GAS TANK
- EXISTING SANITARY SEWER L
- EXISTING UNDERGROUND GAS
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UNDERGROUND WATER
- EXISTING UNDERGROUND WATER

CENTER 1/4 CORNER SECTION 11, T26N, R1W

SOUTH BRANCH TOWNSHIP
EXHIBIT # 12 - PC 2017-02.1

SITE PLAN

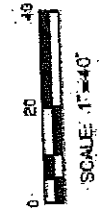
MATCH LINE SEE SHEET 4



MATCH LINE SEE SHEET 2

BASED UPON THE EAST-WEST 1/4 CORNER DEED FOR THE PROPERTY. THIS ARE BASED ON PHYSICAL AND A MEETING WITH THE OWNER OF THE PROPERTY IN UNKNOWN.

- 1/2" REBAR & CAP FOUND
- 1/2" X 1/2" REBAR WITH CAP SET
- ◉ CONCRETE MONUMENT SET
- EXISTING WATER WELL
- ⊕ EXISTING UTILITY POLE
- ⊖ EXISTING SANITARY MANHOLE / PUMP
- ⊗ EXISTING LP GAS TANK
- ⊘ EXISTING SANITARY SEWER LINE
- ⊙ EXISTING UNDERGROUND GAS LINE
- ⊚ EXISTING OVERHEAD ELECTRIC LINE
- ⊛ EXISTING UNDERGROUND ELECTRIC LINE



233.07 108.82

111.44 366.10

105.89 151.89

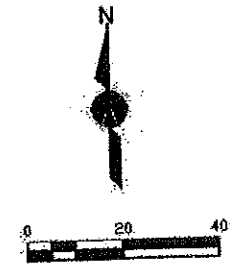
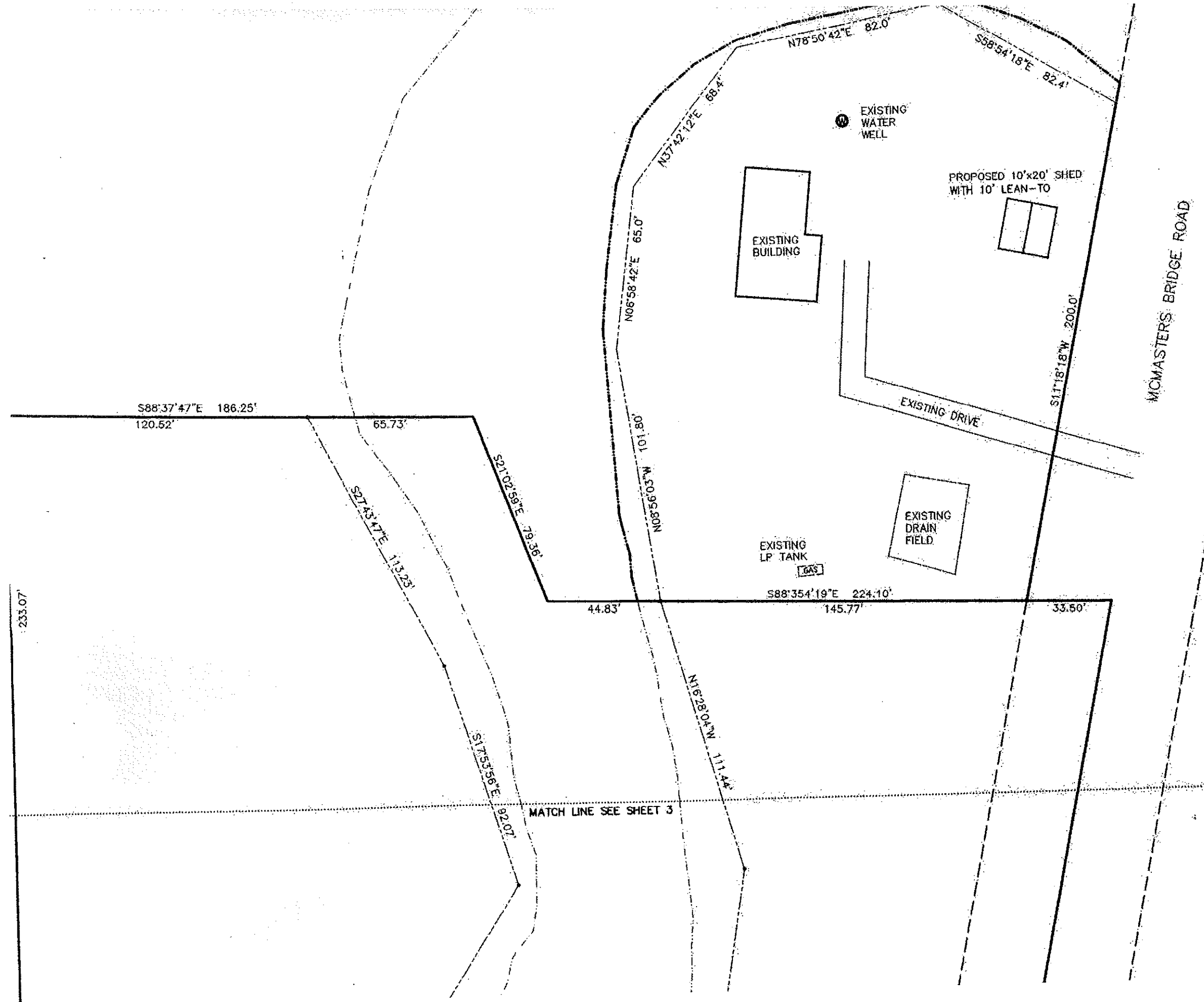
169.15 199.15

38.17 38.17

161.22 161.22

724.51

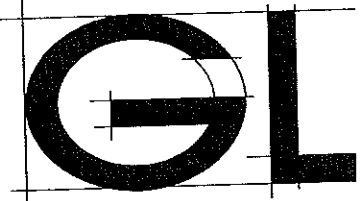
625.50 33.15



BEARINGS ARE BASED UPON THE EAST-WEST 1/4 LINE IN THE RECORDED DEED FOR THE PROPERTY.
 UTILITY LOCATIONS ARE BASED ON PHYSICAL OBSERVATIONS AND A MEETING WITH THE OWNER OF THE PROPERTY.
 THE SIZE OF UTILITY LINES IS UNKNOWN.

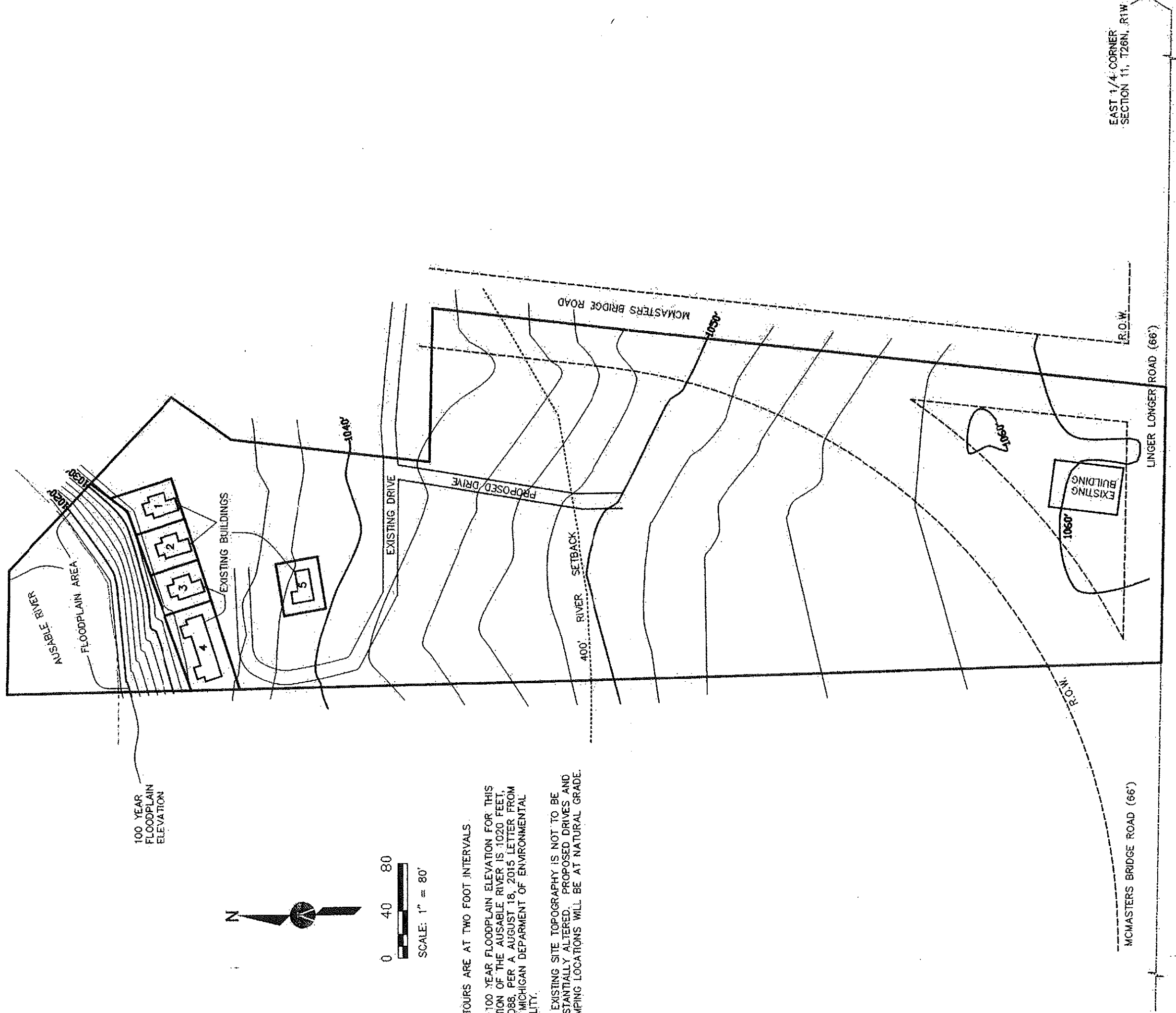
- 1/2" REBOD & CAP FOUND
- 1/2"x18" REBOD WITH CAP SET
- CONCRETE MONUMENT SET
- EXISTING WATER WELL
- EXISTING UTILITY POLE
- EXISTING SANITARY MANHOLE / PUMP
- EXISTING LP GAS TANK
- EXISTING SANITARY SEWER LINE
- EXISTING UNDERGROUND GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND WATER LINE

GAZALL, LEWIS & ASSOCIATES ARCHITECTS
 MOTT FOUNDATION BUILDING
 503 SOUTH SAGINAW STREET SUITE 100
 FLINT, MICHIGAN 48502

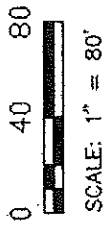


RVIEW RESORT & TACKLE, LLC.
 11000 CRAWFORD COUNTY 49738

SITE PLAN



100 YEAR FLOODPLAIN ELEVATION



STAIRS ARE AT TWO FOOT INTERVALS.

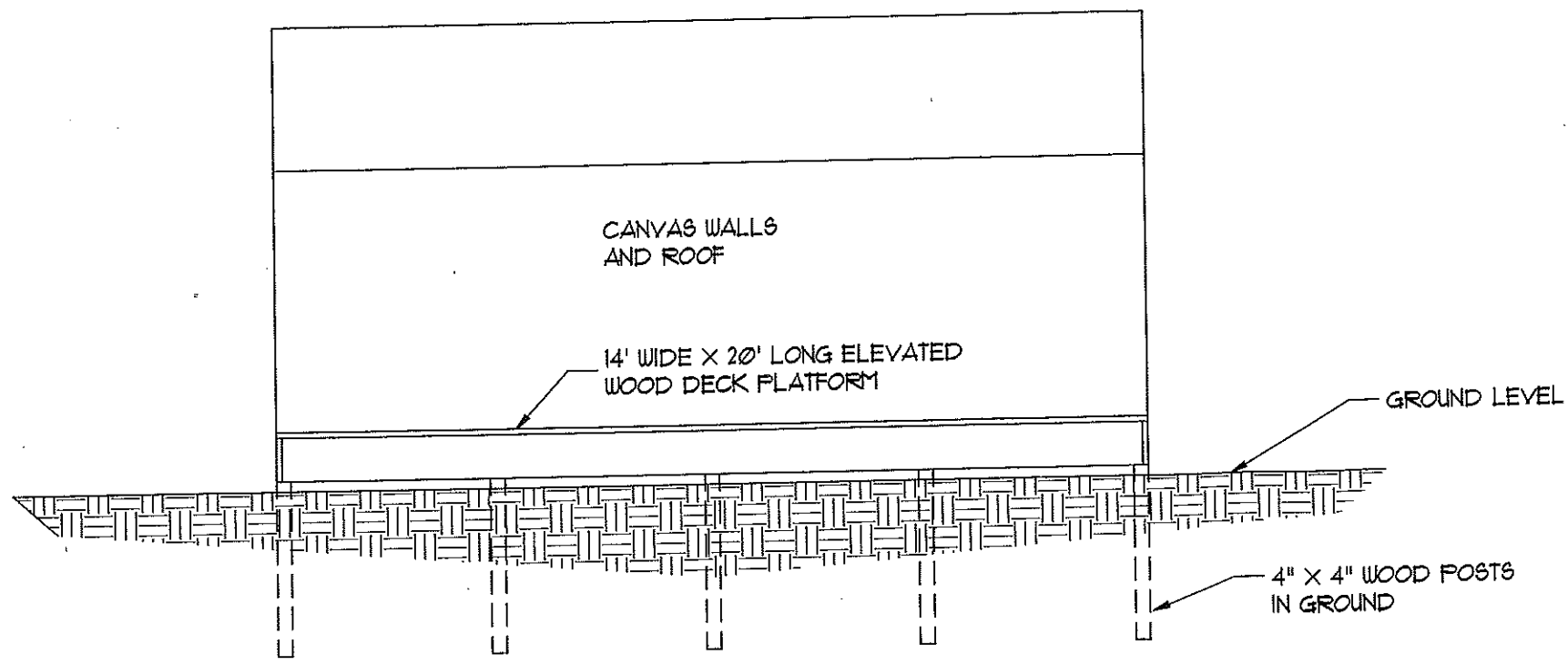
100 YEAR FLOODPLAIN ELEVATION FOR THIS SECTION OF THE AUSABLE RIVER IS 1020 FEET, 1988, PER A AUGUST 18, 2015 LETTER FROM MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY.

EXISTING SITE TOPOGRAPHY IS NOT TO BE SUBSTANTIALLY ALTERED. PROPOSED DRIVES AND SETBACK LOCATIONS WILL BE AT NATURAL GRADE.

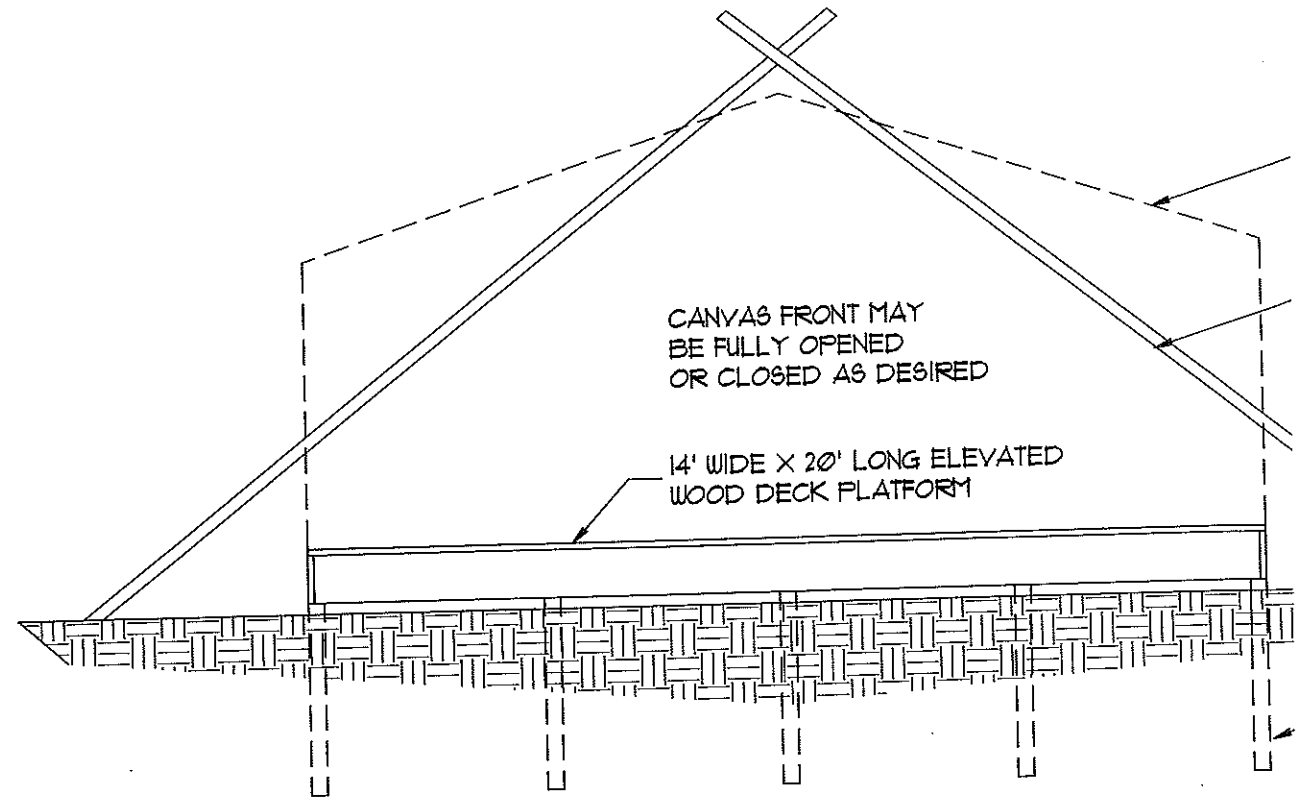
NORTH 1/4 CORNER SECTION 11, T26N, R1W

EAST 1/4 CORNER SECTION 11, T26N, R1W

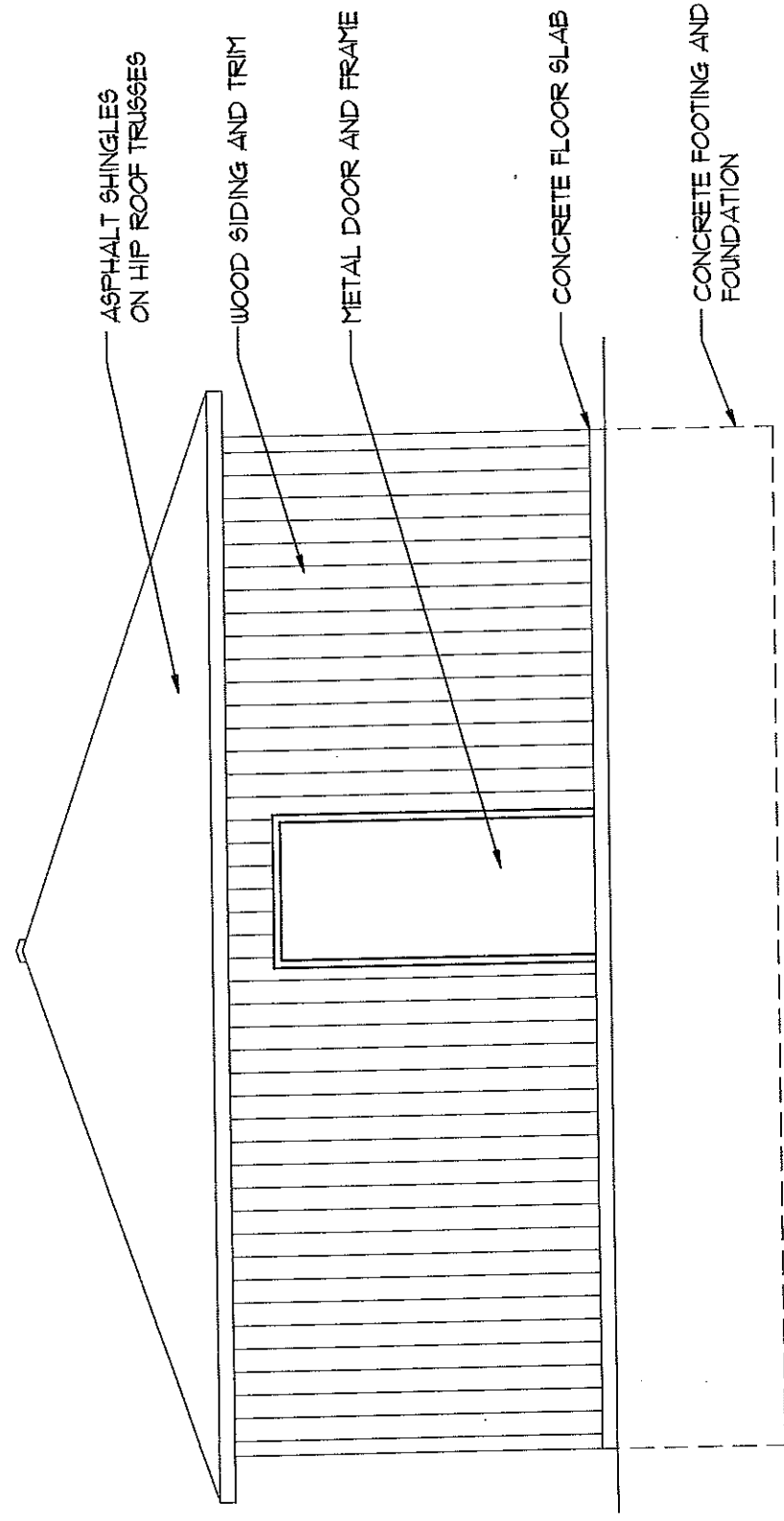
TYPICAL
END ELEVATION
SCALE: 1/4" = 1'-0"



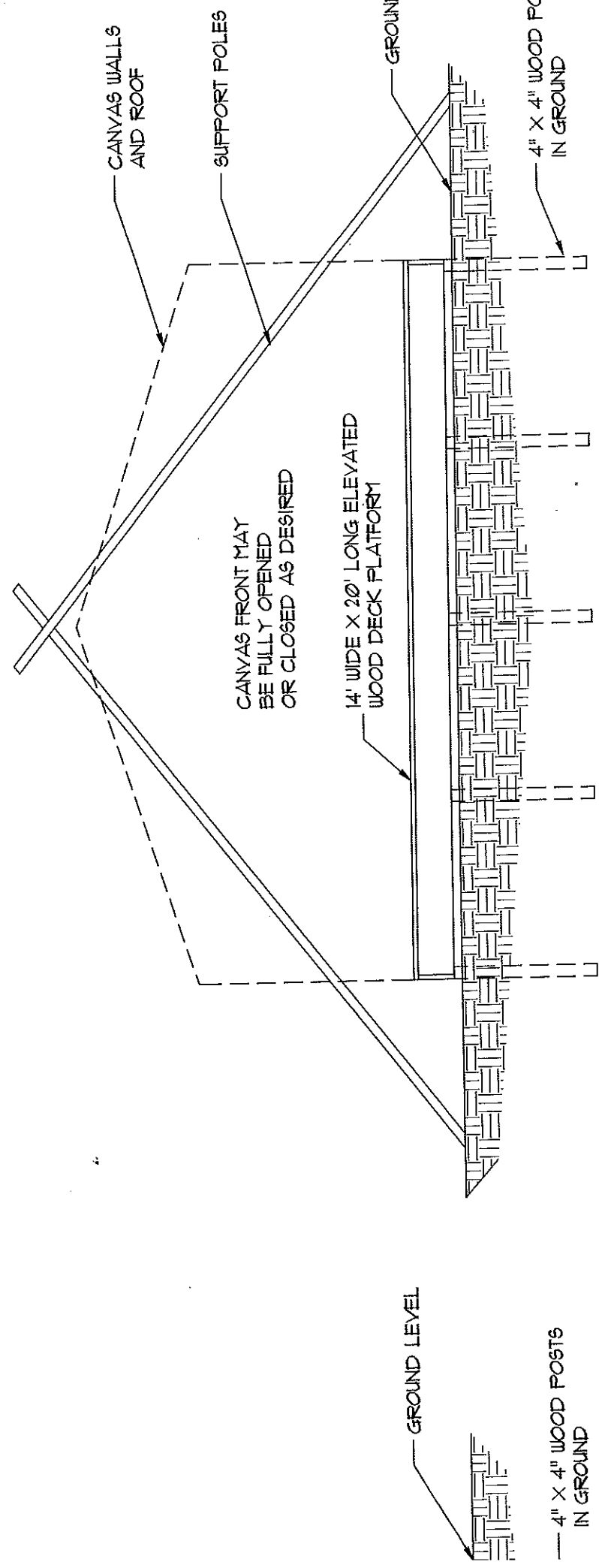
GLAMPING LOCATION SIDE VIEW
SCALE: 1/4" = 1'-0"



GLAMPING LOCATION FRONT VIEW
SCALE: 1/4" = 1'-0"

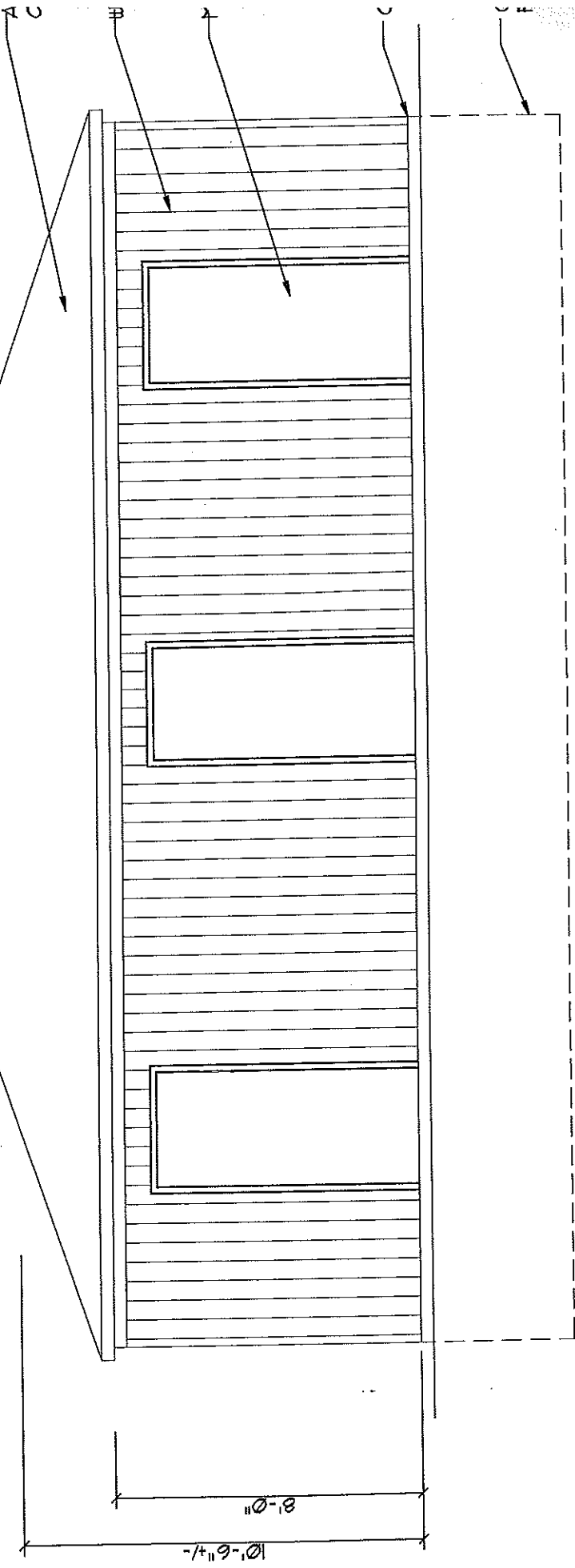


TYPICAL
END ELEVATION
 SCALE: 1/4" = 1'-0"



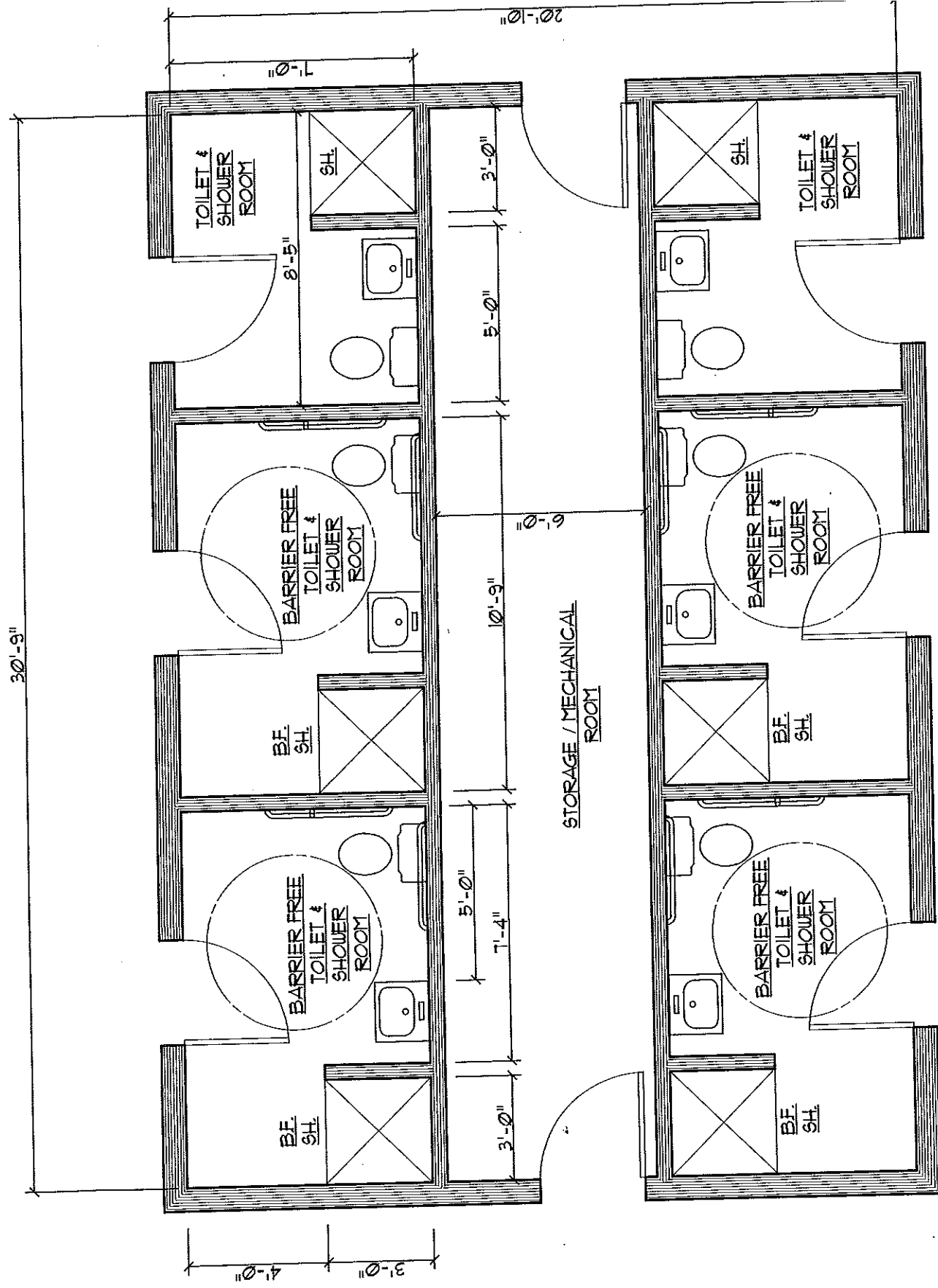
GLAMPING LOCATION FRONT VIEW
 SCALE: 1/4" = 1'-0"

CONTINUOUS RIDGE VENT



TYPICAL
SIDE ELEVATION

SCALE: 1/4" = 1'-0"

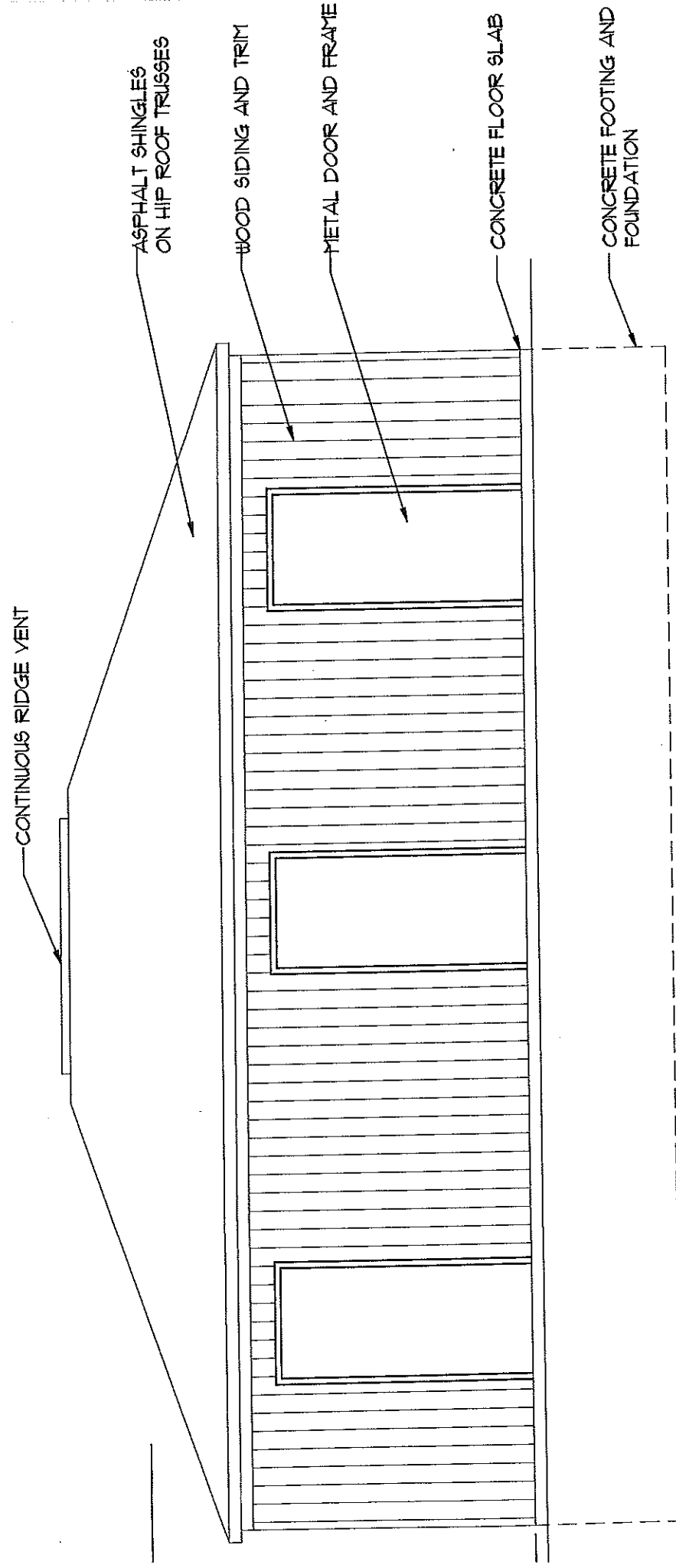


NOTE: NUMBER OF BARRIER FREE TOILET ROOMS:
2015 MICHIGAN BUILDING CODE
CHAPTER 11 - SECTION 1109.2 EXCEPTION 3
WHERE MULTIPLE SINGLE USER TOILET ROOMS OR
BATHING ROOMS ARE CLUSTERED AT A SINGLE
LOCATION, AT LEAST 50 PERCENT BUT NOT LESS
THAN ONE ROOM FOR EACH USE AT EACH CLUSTER
SHALL BE ACCESSIBLE

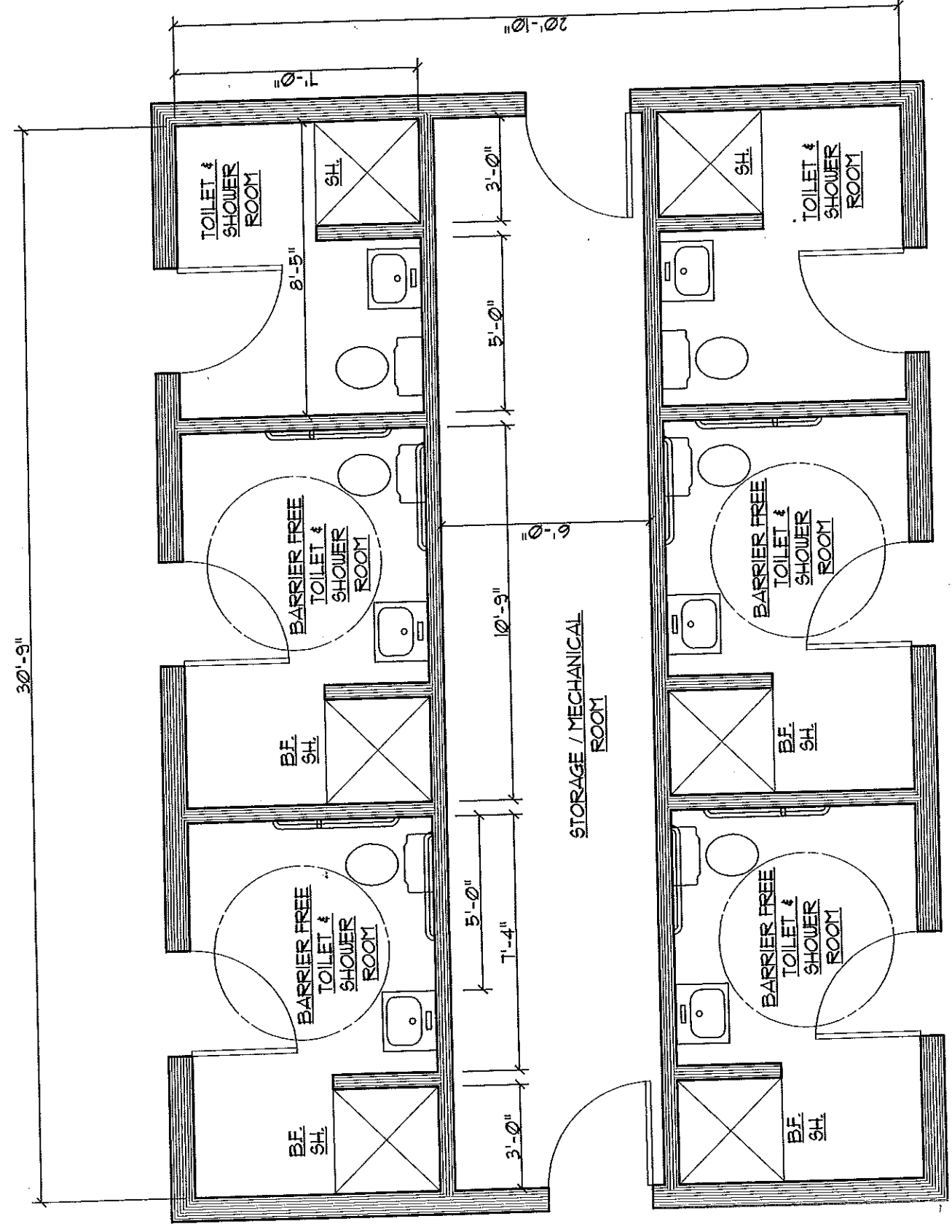
640 SQ. FT +/- (INSIDE WALL LINE)

FLOOR PLAN

SCALE: 1/4" = 1'-0"

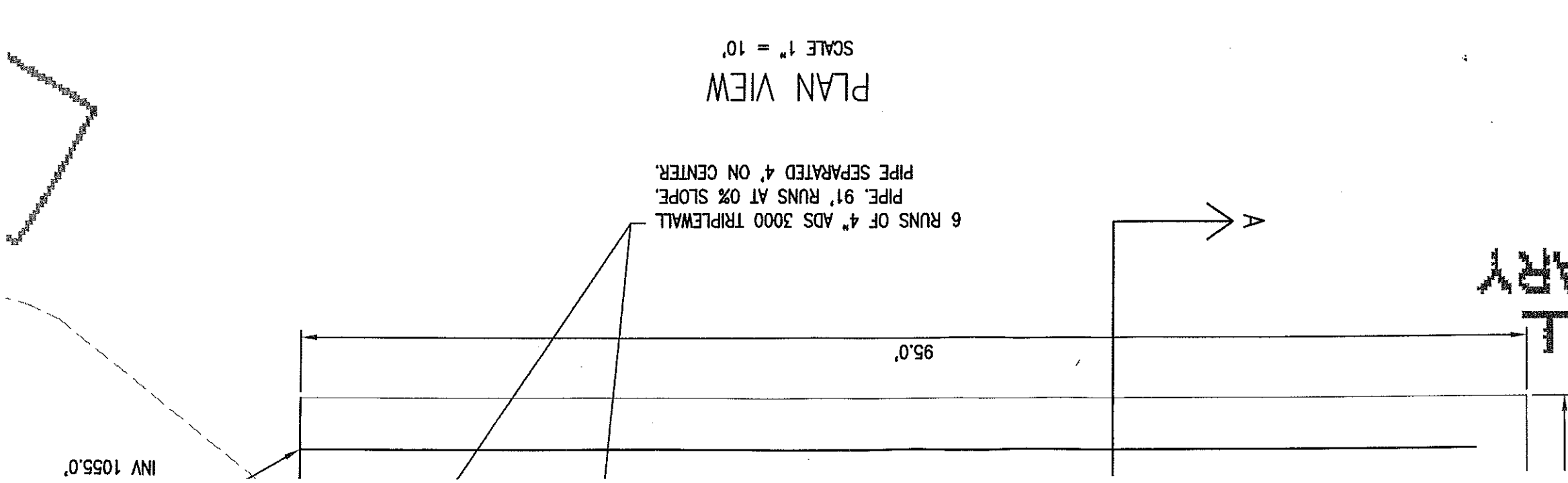


TYPICAL
SIDE ELEVATION
 SCALE: 1/4" = 1'-0"



NOTE: NUMBER OF BARRIER FREE TOILET ROOMS:

LOCATIONS WILL
BE DETERMINED AS NECESSARY
IF LAYOUT



6 RUNS OF 4" ADS 3000 TRIPLEWALL
PIPE, 91' RUNS AT 0% SLOPE.
PIPE SEPARATED 4' ON CENTER.

PLAN VIEW
SCALE 1" = 10'

NOTES: THE SITE LAYOUT AND SURVEY WAS PROVIDED TO THE CLIENT THROUGH A THIRD PARTY SURVEY COMPANY PRIOR TO SITE DESIGN. THE PROPOSED BATH HOUSE TO BE LOCATED ON THE AUSABLE RIVERVIEW RESORT PROPERTY AND ASSUMED TO HAVE AN EFFLUENT FLOW OF 1125 GALLONS PER DAY. THE EFFLUENT IS DESIGNED TO LEAVE THE BATH HOUSE VIA A 4" SCH. 40 PVC PIPE AT A 1 PERCENT SLOPE TO A 1500 GALLON 2 COMPARTMENT SEPTIC TANK WITH AN EFFLUENT FILTER. THE 4" SCH. 40 PVC EFFLUENT PIPE FROM THE SEPTIC TANK WILL THEN TRAVEL AT A 1 PERCENT SLOPE TO THE HEADER PIPE OF THE SEPTIC FIELD. THE HEADER PIPE IS LEVEL. THE EFFLUENT RATE WAS USED TO CALCULATE THE AREA REQUIRED FOR THE BED SIZE. ALL CALCULATIONS CAN BE SEEN ON THE CALCULATIONS SECTION OF THIS PAGE. THE SOIL IS LOAMY SAND (PROVIDED BY DISTRICT 10 HEALTH DEPARTMENT) THE INFILTRATION RATE OF 0.50 GAL PER SQ. FT. WAS USED TO SIZE THE SEPTIC FIELD. BASED ON THIS CALCULATION, THE MINIMUM REQUIRED BED SIZE IS 2250 SQ FT. BASED ON THE AVAILABLE SPACE AND THE EXISTING TOPOGRAPHY OF THE SITE LOCATION, A SEPTIC FIELD CONFIGURATION OF 95'X28' WAS DETERMINED MEETING THE MINIMUM BED SIZE REQUIREMENT. THERE ARE 6-4" ADS 3000 TRIPLEWALL PIPES TRAVELING 91' FROM THE HEADER PIPE AT A 0 PERCENT SLOPE, SPACED 4' ON CENTER. IF NEEDED, THE RESERVE AREA WILL BE THE SAME AREA AS THE SEPTIC FIELD BUT THE EXISTING SOILS WILL BE REMOVED AND REPLACED WITH MEDIUM TO COURSE SANDS. FROM THE SEPTIC FIELD, THE PROPOSED SURFACE WILL BE SLOPED AT A 1V:4H (MAX.) RATIO TO MEET THE EXISTING SURFACE AS SHOWN IN THE PROFILE VIEW.

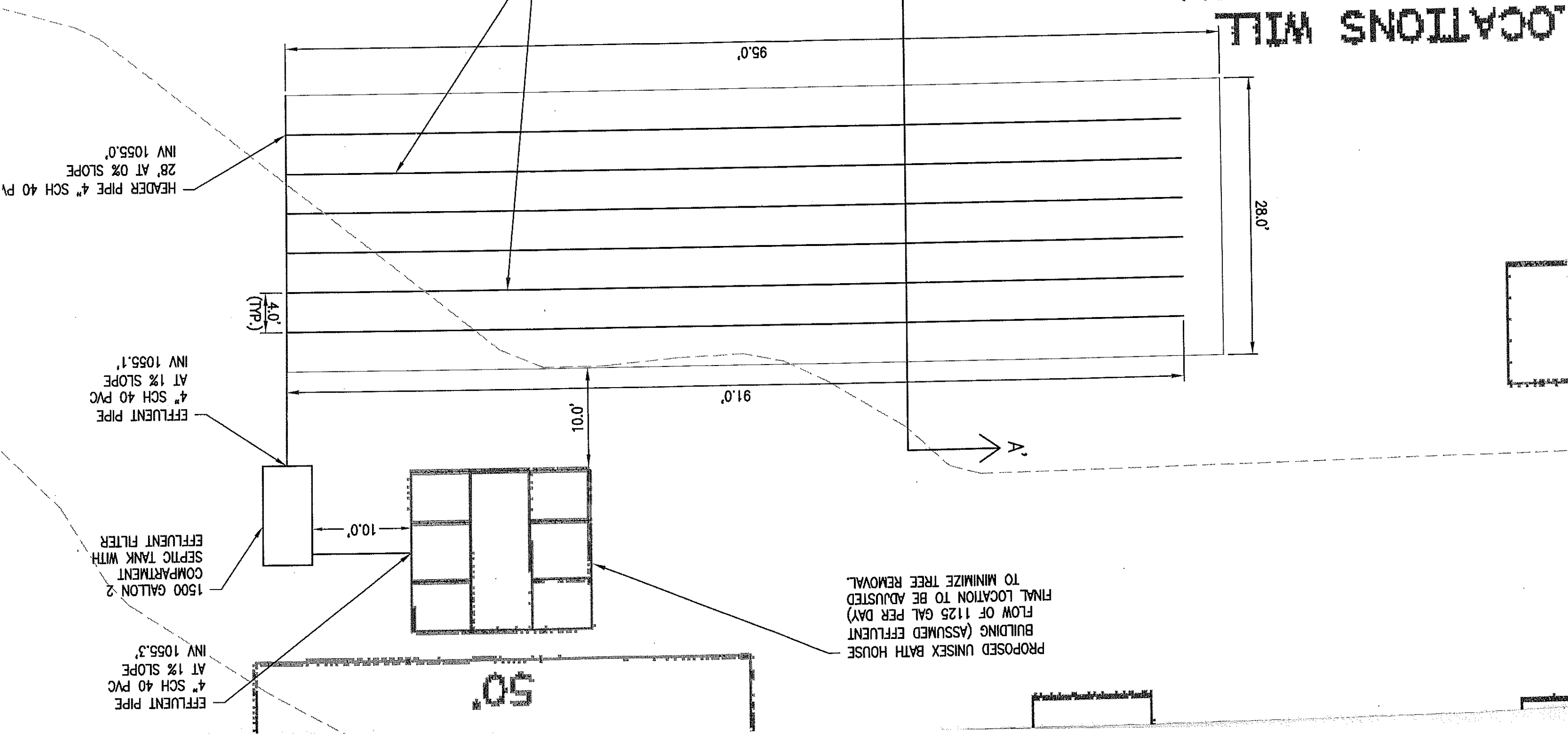
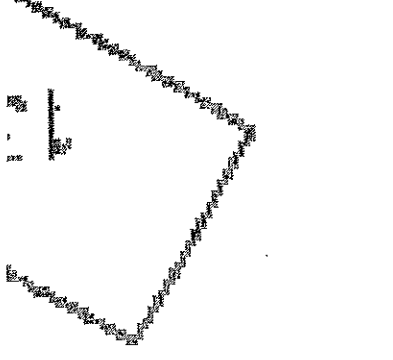
CALCULATIONS:

MINIMUM BED AREA = (1125 GAL) / (0.50 GAL/FT²) = 2250 FT²

LOCATIONS WILL
BE AS NECESSARY
LAYOUT

PLAN VIEW
SCALE 1" = 10'

6 RUNS OF 4" ADS 3000 TRIPLEWALL
PIPE, 91' RUNS AT 0% SLOPE,
PIPE SEPARATED 4' ON CENTER.



PROPOSED UNISEX BATH HOUSE
BUILDING (ASSUMED EFFLUENT
FLOW OF 1125 GAL PER DAY)
FINAL LOCATION TO BE ADJUSTED
TO MINIMIZE TREE REMOVAL.

1500 GALLON 2
COMPARTMENT
SEPTIC TANK WITH
EFFLUENT FILTER

EFFLUENT PIPE
4" SCH 40 PVC
AT 1% SLOPE
INV 1055.3'

EFFLUENT PIPE
4" SCH 40 PVC
AT 1% SLOPE
INV 1055.1'

HEADER PIPE 4" SCH 40 PV
28' AT 0% SLOPE
INV 1055.0'

4.0'
(T.P.)

50'

91.0'

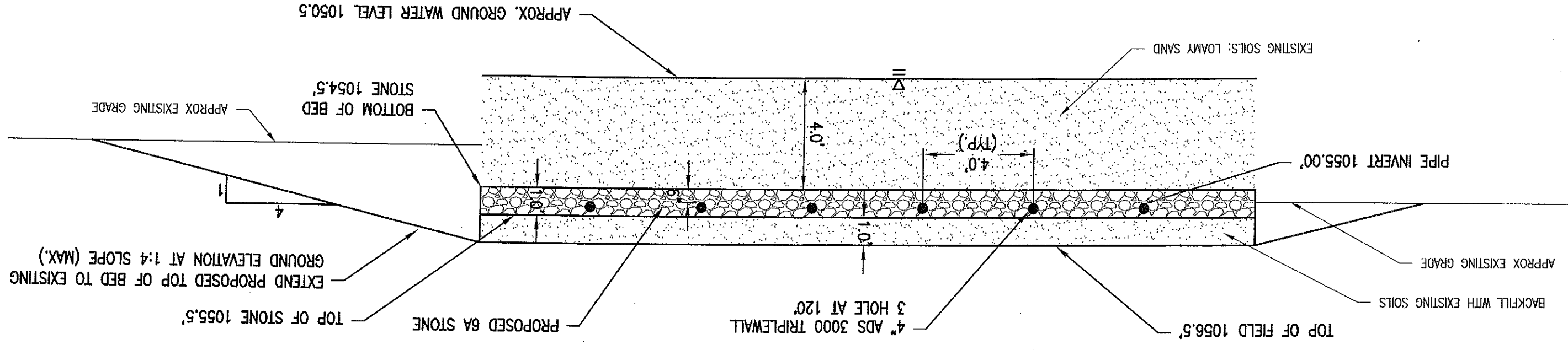
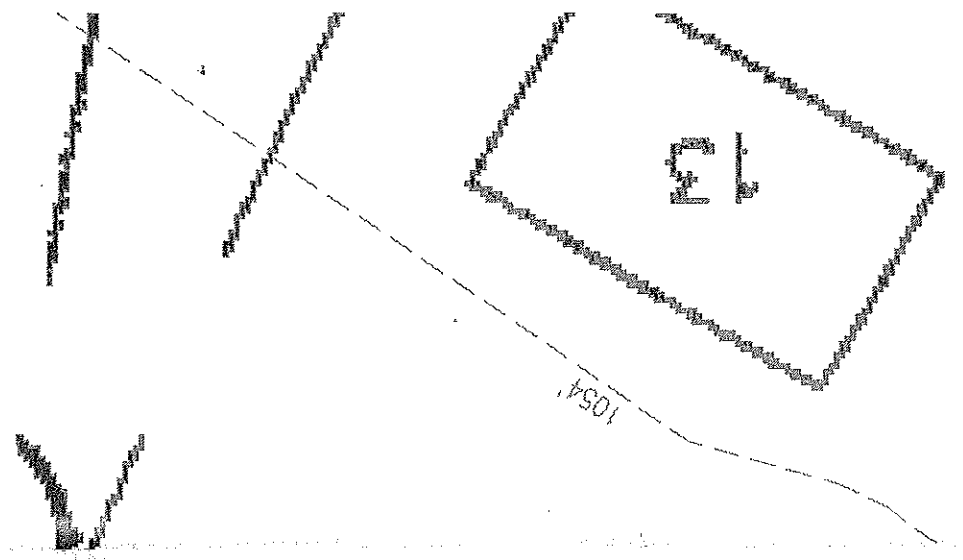
95.0'

28.0'

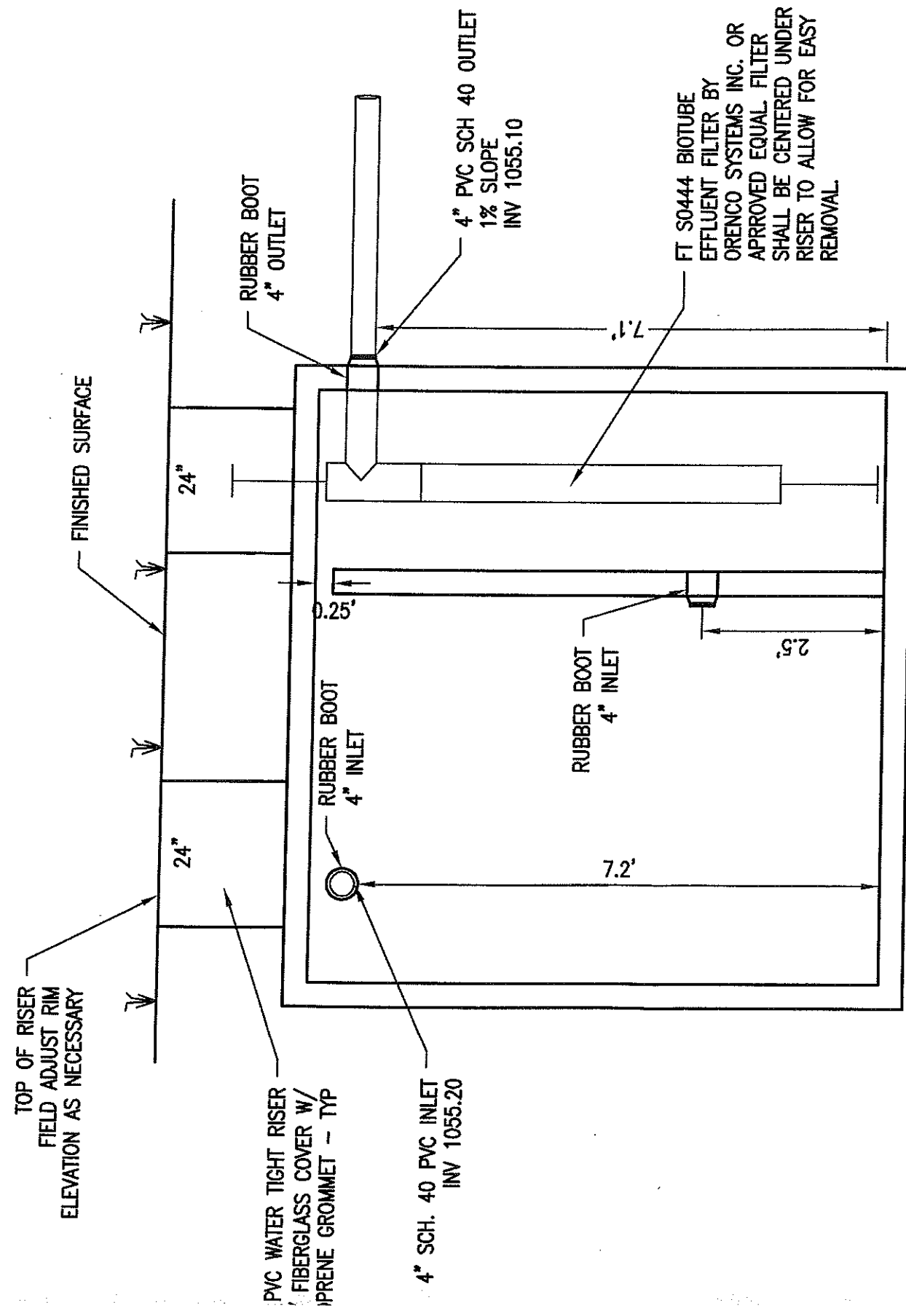
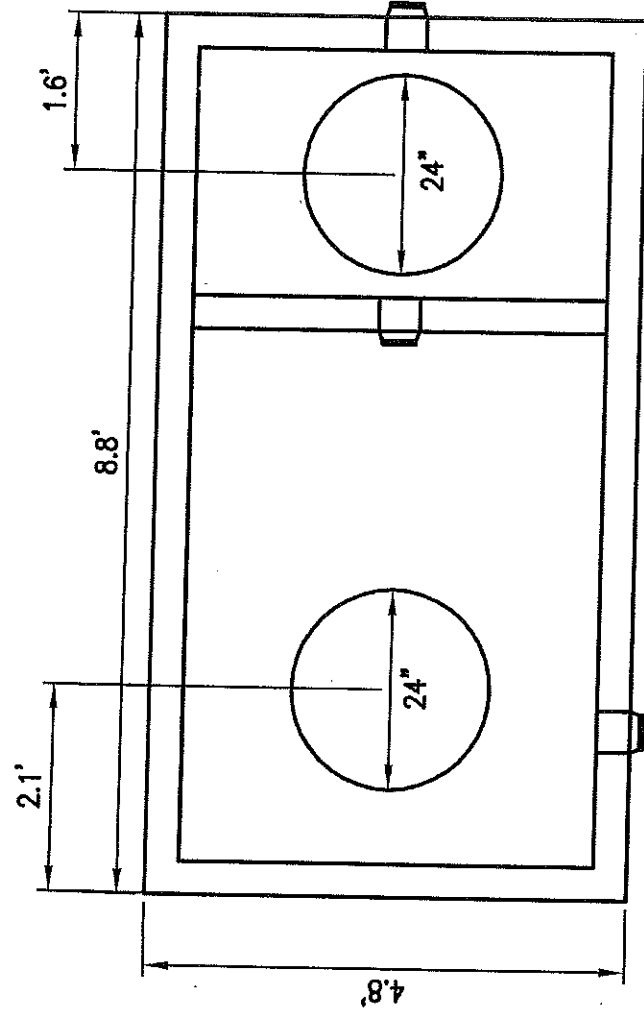
A

A

1500 GALLON TWO COMPARTMENT
SEPTIC TANK WITH EFFLUENT FILTER DETAIL



SEPTIC FIELD CROSS SECTION A-A'



1500 GALLON TWO COMPARTMENT
SEPTIC TANK WITH EFFLUENT FILTER DETAIL

SEAL

REVISIONS:

12/07/2017

ARCHIT