

OVERALL SITE PLAN

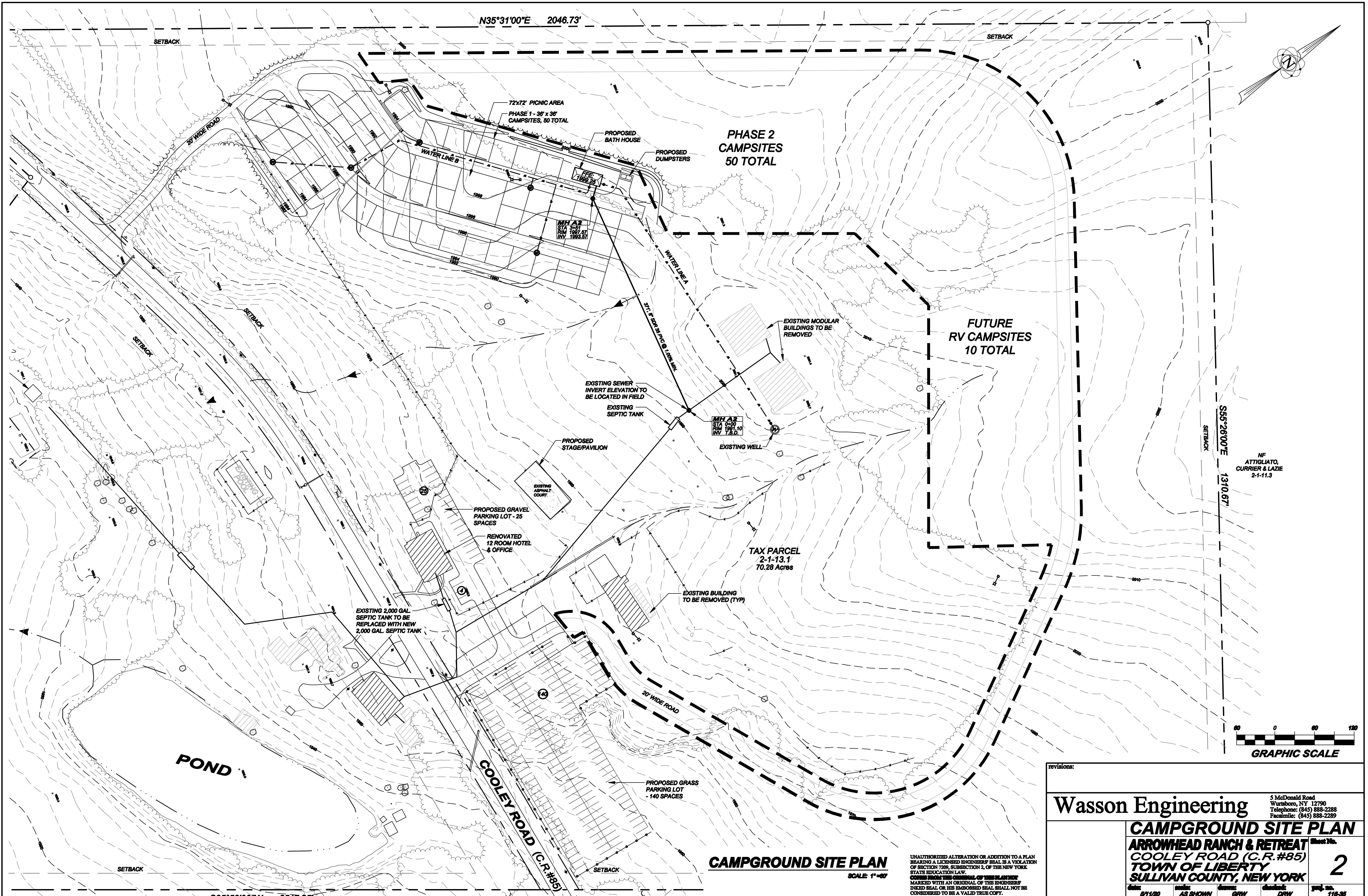
SCALE: 1" = 10'

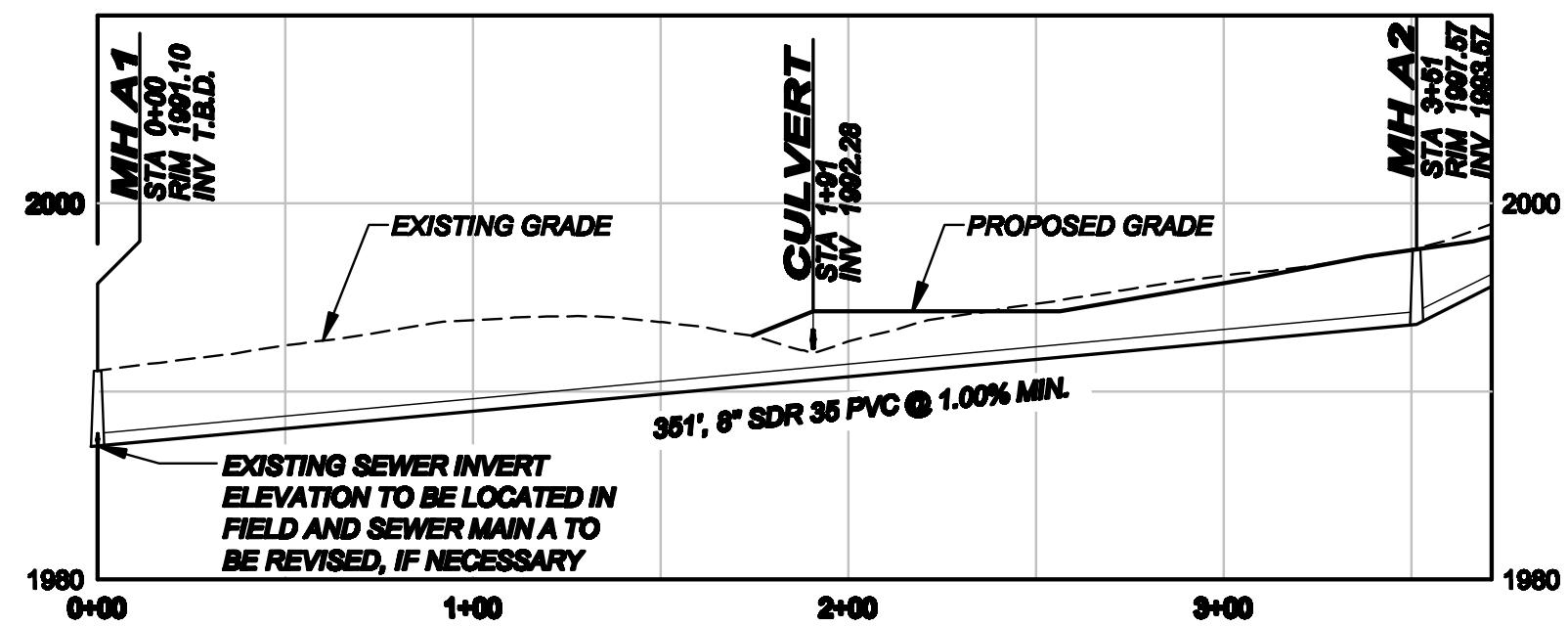
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<p>revisions:</p> <h1>Wasson Engineering</h1> <p>5 McDonald Road Wurtsboro, NY 12790 Telephone: (845) 888-2288 Facsimile: (845) 888-2289</p> <h2>OVERALL SITE PLAN</h2> <p>ARROWHEAD RANCH & RETREAT COOLEY ROAD (C.R. #85) TOWN OF LIBERTY SULLIVAN COUNTY, NEW YORK</p> <p>Sheet No. 1</p> <p>date: 5/11/20 scale: AS SHOWN drawn: GRW checked: DRW proj. no. 116-35</p>				
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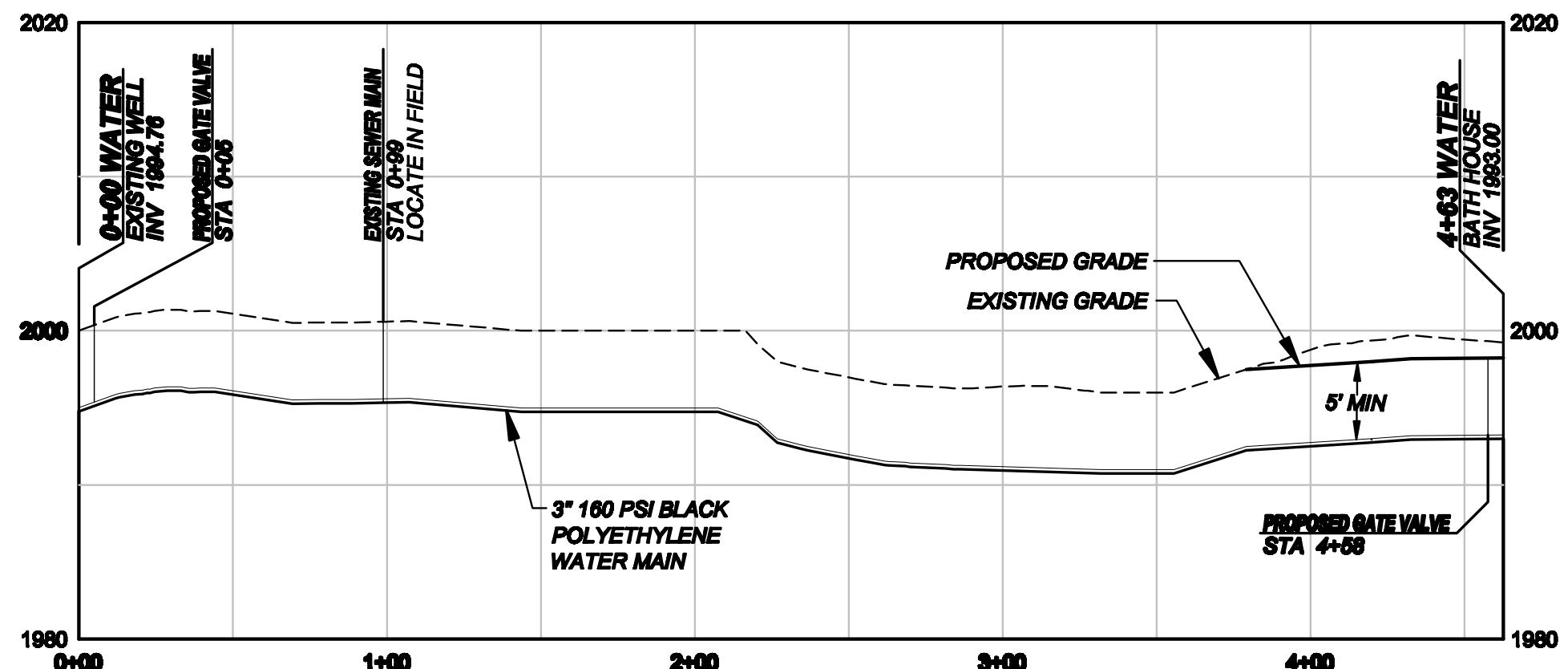
1





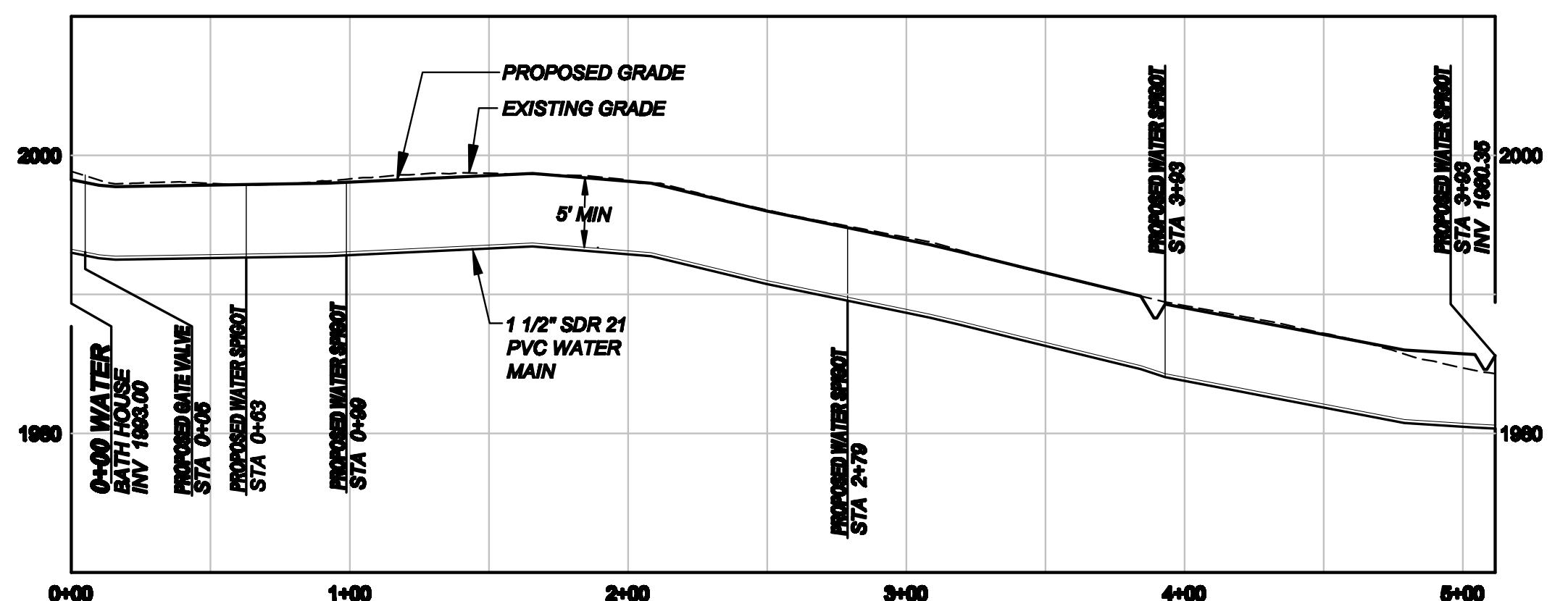
SEWER MAIN A: STA. 0+00 - 3+71

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'



WATER MAIN A: STA. 0+00 - 4+63

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'



WATER MAIN B: STA. 0+00 - 5+12

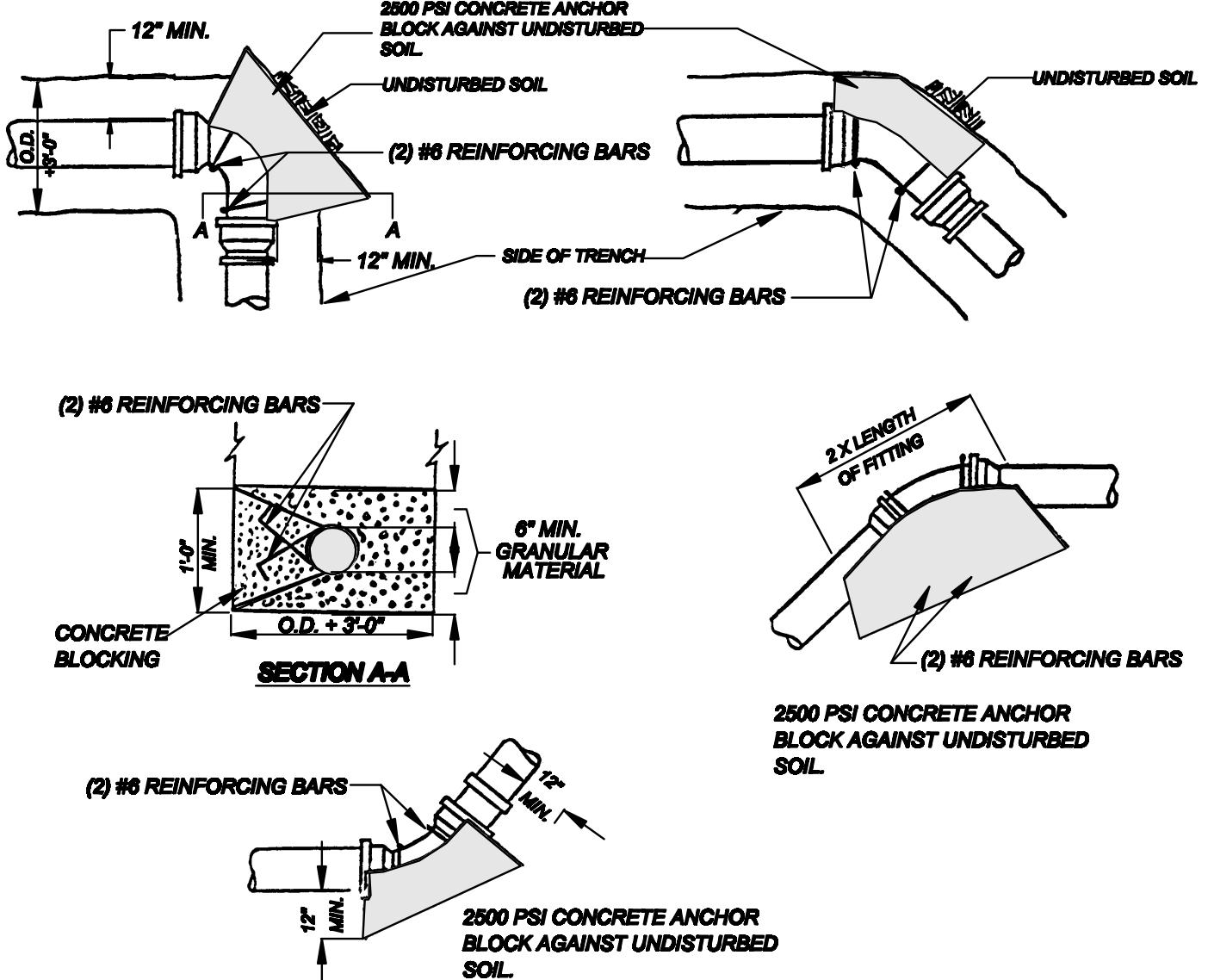
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

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revisions:

Wasson Engineering

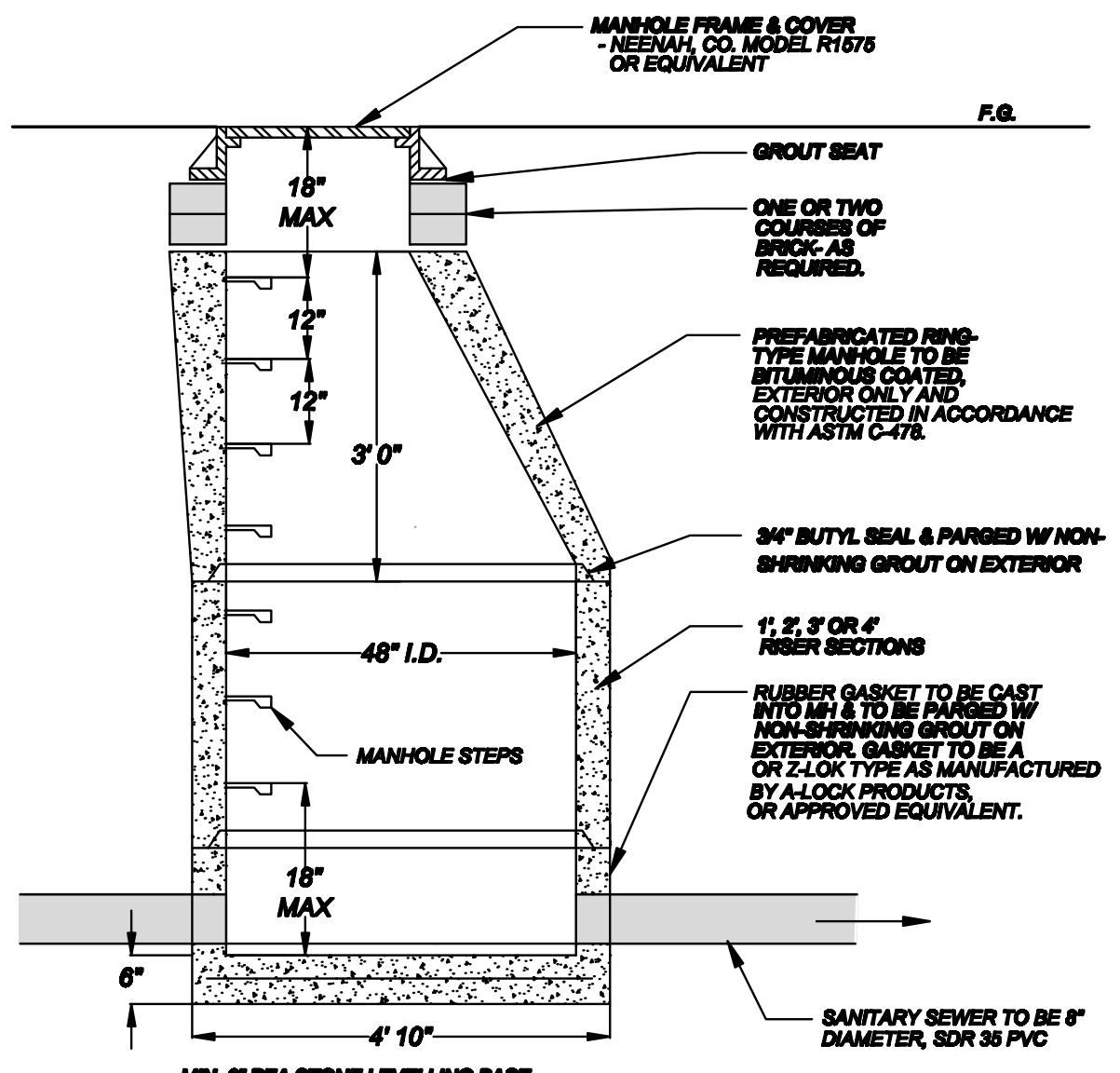
PROFILES & CONSTRUCTION DETAILS				
ARROWHEAD RANCH & RETREAT				
COOLEY ROAD (C.R. #85)				
TOWN OF LIBERTY				
SULLIVAN COUNTY, NEW YORK				
date 5/1/20	scale AS SHOWN	drawn GRW	checked DRW	proj. no. 116-35



THRUST BLOCK DETAIL 1 D1

NOTE: THRUST BLOCKS MAY BE ELIMINATED ON APPROVAL BY ENGINEER AND USE OF "MEGA-LUG" RETAINING GLANDS.

TABLE OF THRUST BLOCK BEARING AREAS SQUARE FEET					
NOMINAL DIAMETER (INCHES)	DEAD END	BRANCH OR TEE	90° BEND (144 DEG)	45° BEND (108 DEG)	10° BEND
4	2.0	2.0	2.0	2.0	2.0
6	3.0	3.0	4.0	2.5	2.5
8	4.0	4.0	6.0	3.5	3.0
10	6.0	6.0	8.0	5.0	3.0



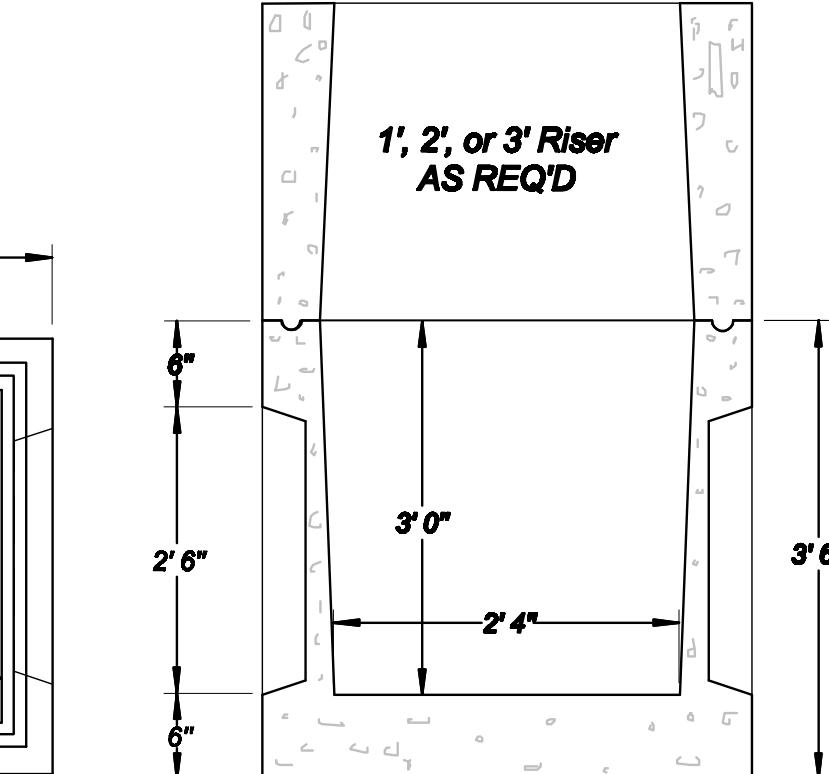
WATER & SEWER TRENCH DETAIL UNDER LAWN AREAS

NOT TO SCALE
(PERTAINS TO WATER AND SEWER MAINS AND LATERALS)

BEDDING AND BACKFILLING NOTES:

1. PIPE SAND SHALL BE GRANULAR BEDDING OF WHICH 100% SHALL PASS THROUGH A NO. 200 SIEVE AND NOT MORE THAN 15% SHALL PASS THROUGH A NO. 200 SIEVE COMPACTED TO 95% OF MOD. PROCTOR DENSITY.
2. SUITABLE EXCAVATED MATERIAL SHALL BE FREE OF BOULDERS, LARGE ROCKS, OR OTHER UNDESIRABLE MATERIALS.
3. ALL MATERIALS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
4. ALL BACKFILL TO BE COMPACTED TO 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY.

FRAME & COVER
GRATE: MODEL R-1878-A9G



CATCH BASIN
MODEL CB-30X30

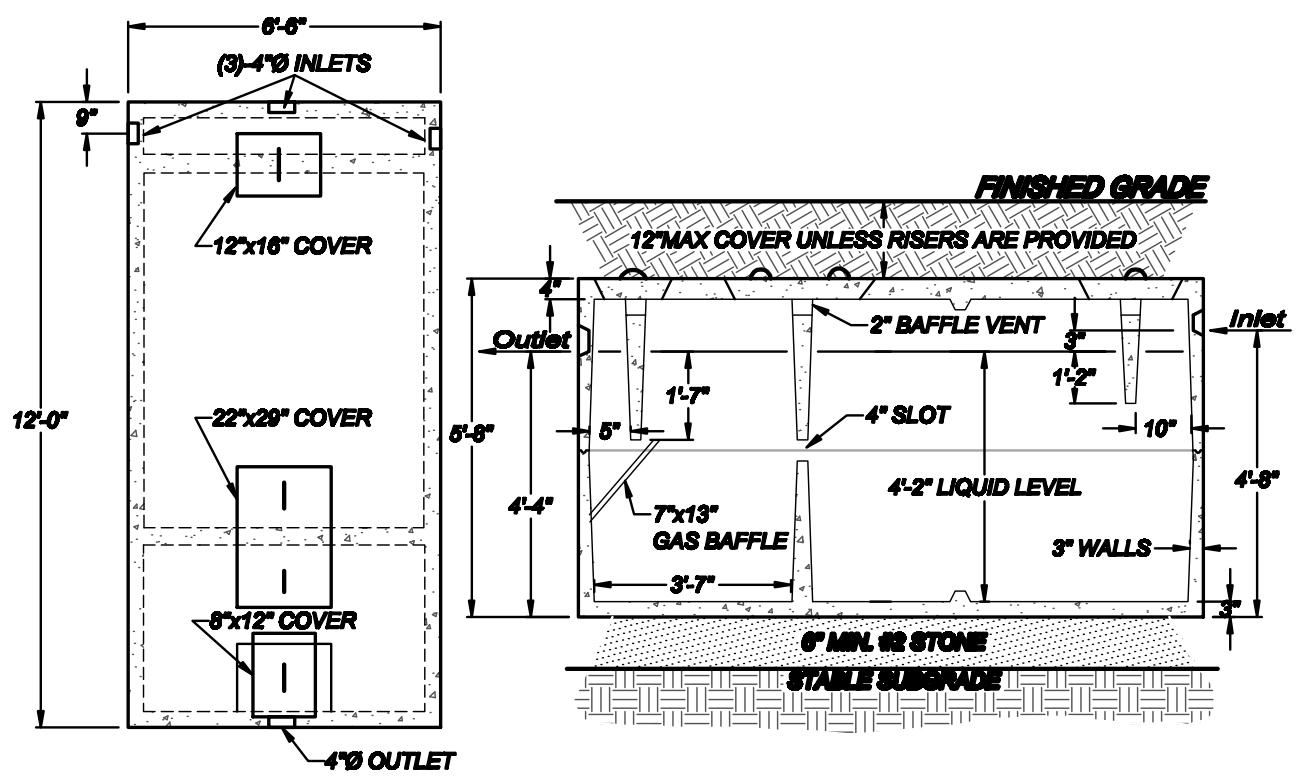
NOT TO SCALE

6 D4

CATCH BASIN AND FRAME DETAIL - TYPE A

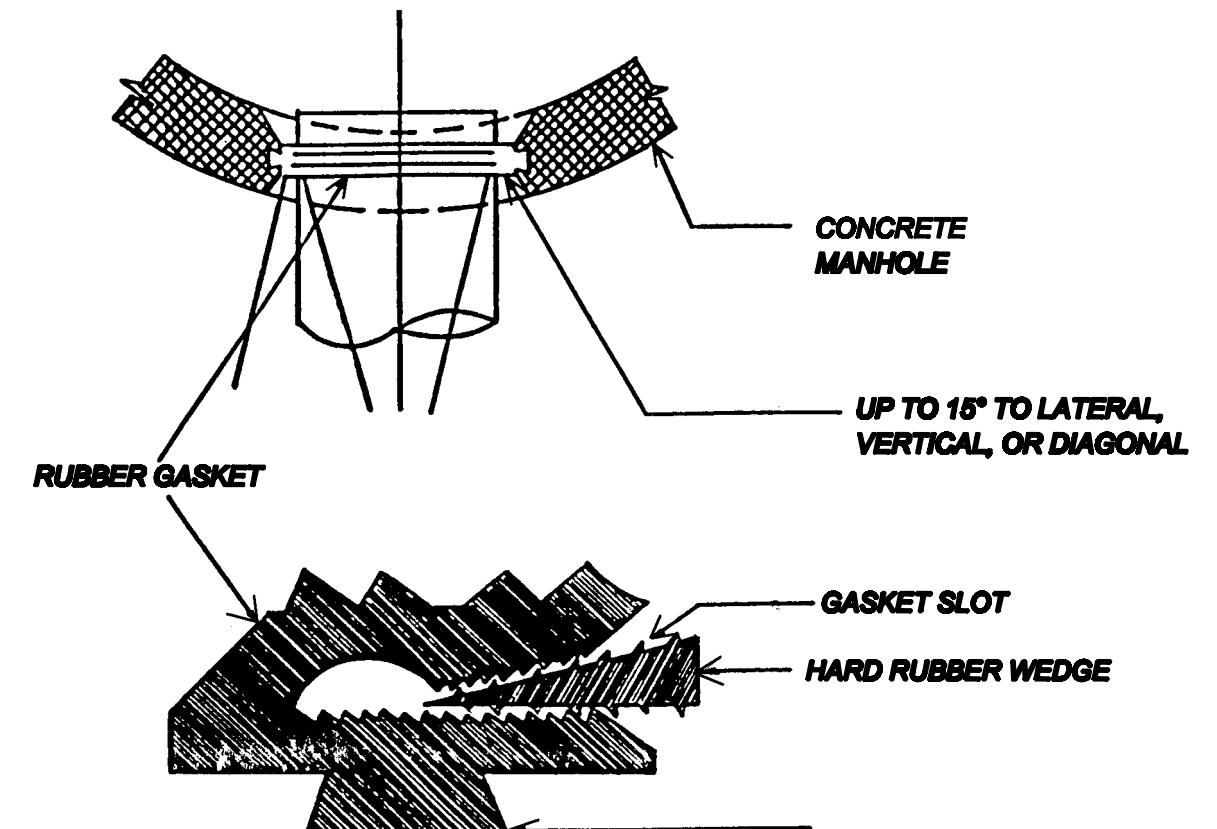
NOT TO SCALE

- 1) CATCH BASIN TO BE SET ON 6" min. LEVELLING COURSE OF CLEAN 3/4" STONE.
- 2) LEVELLING COURSE TO BE SET ON STABLE SUBGRADE.
- 3) ALL CATCH BASINS TO BE CAST WITH A 12" SUMP (MIN).
- 4) 4" DRY SWALE DRAINS TO DISCHARGE INTO CATCH BASIN AT OUTLET ELEVATION.
- 5) THIS DETAIL APPLIES TO C8 A1, A2, A3, A4, A5, A6, A9 AND A10 ONLY.



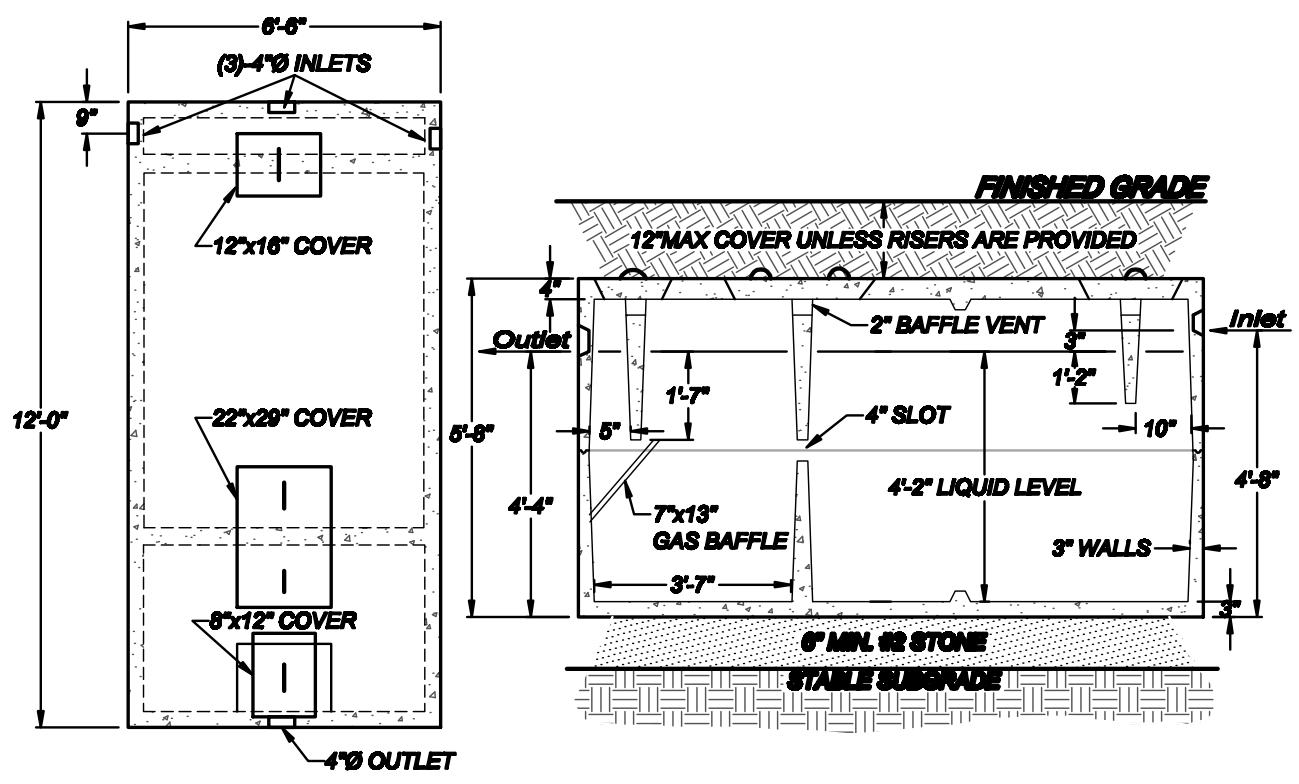
MANHOLE AND INVERT DETAILS

NOT TO SCALE
1 D2



ALTERNATE MANHOLE SEAL DETAIL

NOT TO SCALE
5 D2



2,000 GALLON SEPTIC TANK DETAIL

NOT TO SCALE

MODEL ST-2000 AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUIVALENT.
NOTES: 1. RECOMMENDED FILTER SYSTEM TO BE INSTALLED AT OUTLET OF SEPTIC TANK SHALL BE ZABEL FILTER, OR APPROVED EQUIVALENT.
2. INLET NOTE: USE A SANITARY TEE WITH PIPE EXTENSION TO MEET THE NYSDOH REQUIREMENT FOR BAFFLE 16" BELOW LIQUID LEVEL.

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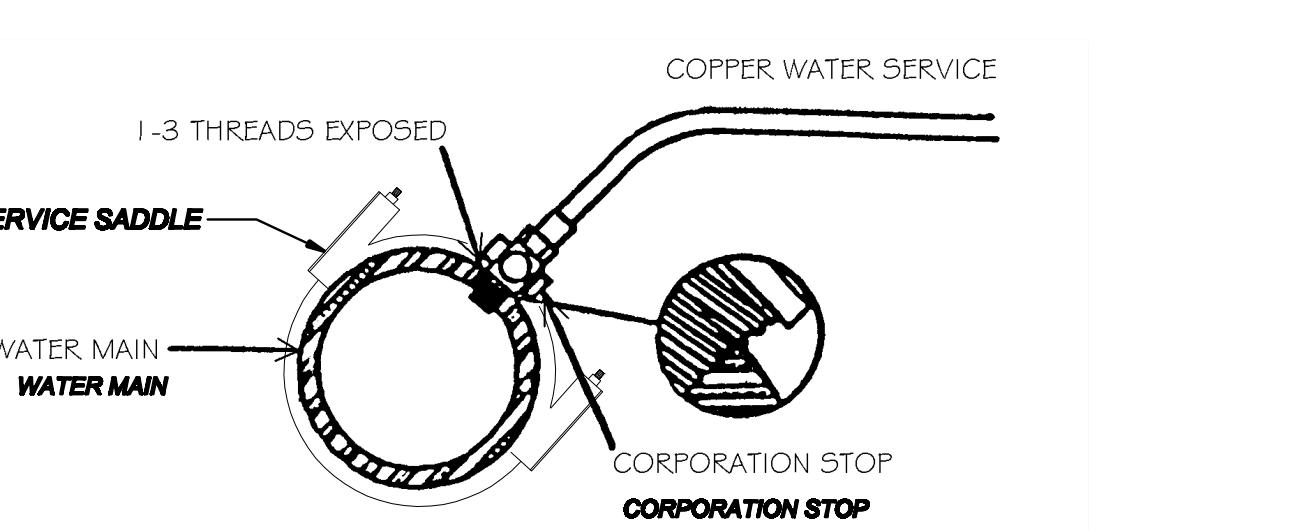
Wasson Engineering

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CONSTRUCTION DETAILS
ARROWHEAD RANCH & RETREAT
COOLEY ROAD (C.R. #85)
TOWN OF LIBERTY
SULLIVAN COUNTY, NEW YORK
Sheet No. 4
Date 5/1/20
Scale AS SHOWN
Drawing GRW
Checklist DRW
Proj. No. 116-36

WATER SERVICE DETAIL

NOT TO SCALE
2 D1

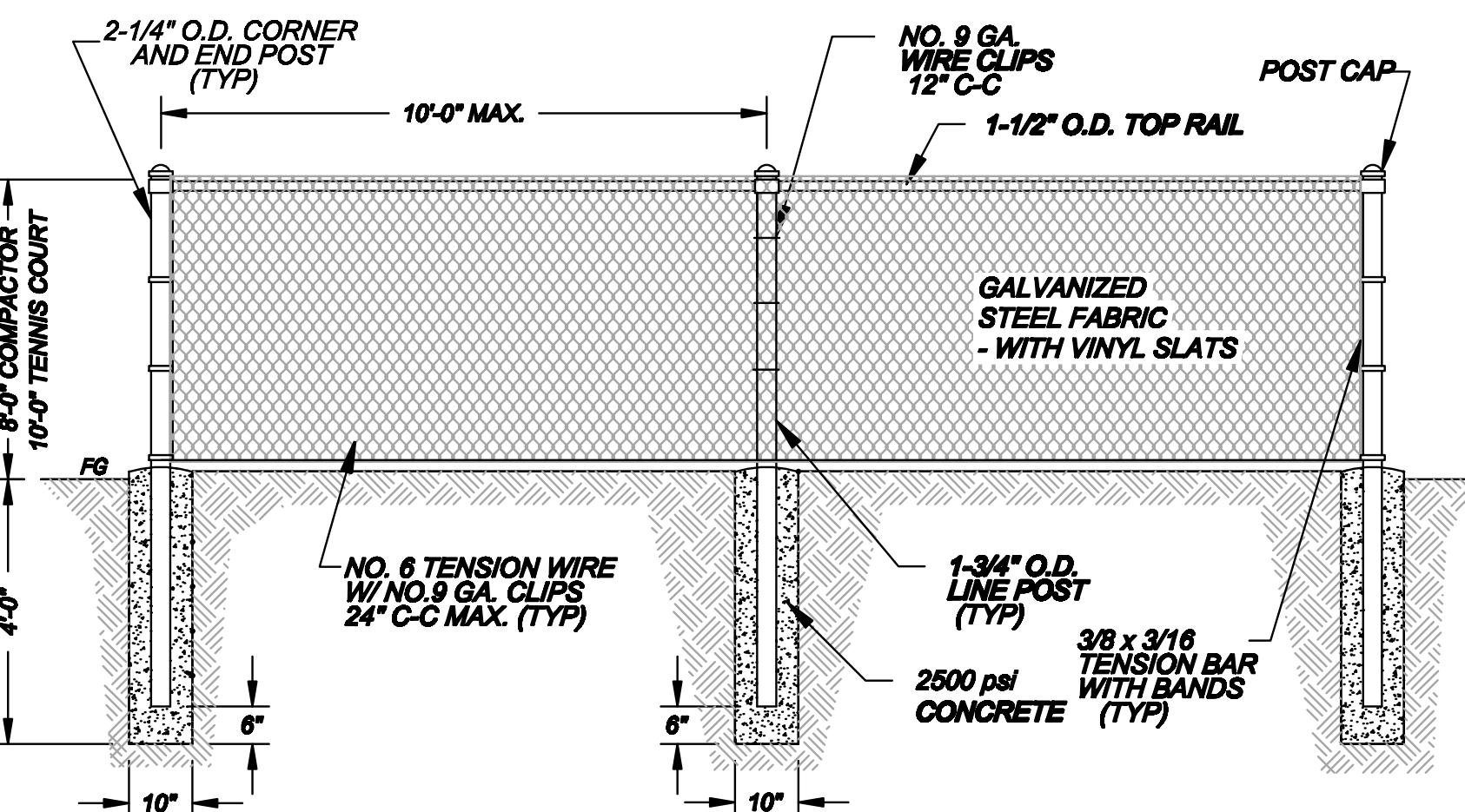
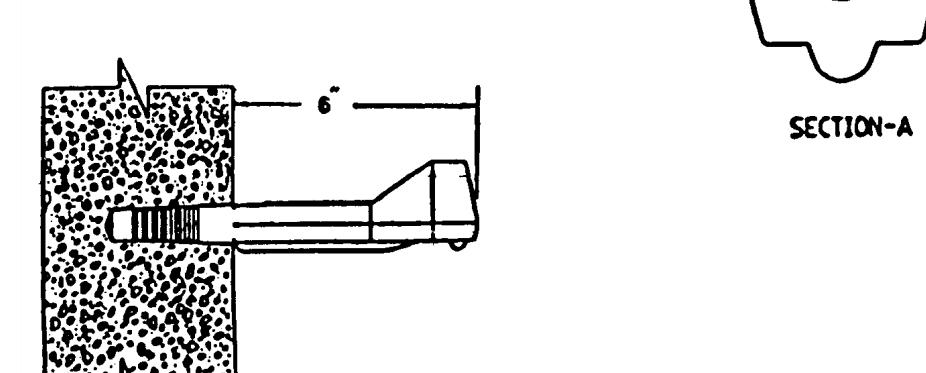


WATER MAIN TAPPING DETAIL

NOT TO SCALE
3 D1

MANHOLE STEP DETAIL

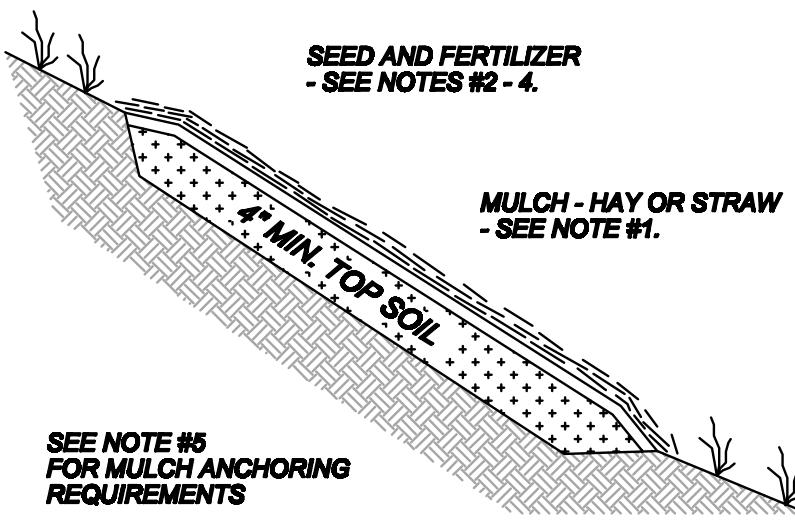
NOT TO SCALE
3 D2



CHAINLINK FENCE DETAIL

N.T.S.
6 D2

NOTES:
1. VINYL SLATS IN TENNIS COURT FENCE TO BE ON POOL SIDE ONLY.



SEED AND MULCH DETAIL

NOT TO SCALE

4
D4

NOTES:

- 1) MULCH : HAY OR STRAW MAY BE UTILIZED AND SHALL BE APPLIED AT A RATE OF 2 - 3 TONS PER ACRE.
- 2) LIME SHALL BE APPLIED AT A UNIFORM RATE OF 50 LBS. PER 1,000 SQUARE FEET.
- 3) FERTILIZER SHALL BE APPLIED AT A RATE OF 25 LBS. PER 1,000 SQUARE FEET USING 10-6-10 OR EQUIVALENT.
- 4) SEED SHALL BE OF THE FOLLOWING GRASS MIXTURE AND APPLIED AT A RATE OF 5 LBS. PER 1,000 SQUARE FEET, MIXTURE AS FOLLOWS:

TYPE	PERCENT BY WEIGHT
PERENNIAL RYEGRASS	10%
REDTOP	10%
CREEPING RED FESCUE	40 - 50%
KENTUCKY BLUEGRASS	30 - 50%

5) MULCH ANCHORING SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING THREE (3) METHODS - FOR SLOPES 10% OR GREATER:

- a) PEG AND TWINE
- b) DEGRADEABLE MULCH NETTING
- c) EMULSIFIED ASPHALT LIQUID MULCH BINDER

DETAILS OF THE SELECTED METHOD SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO ITS UTILIZATION.

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