ABERLIN SPRINGS, PHASE 3 SEWER COLLECTION SYSTEM AND DRIP DISTRIBUTION FIELDS

SMALL DIAMETER COLLECTION SYSTEM (STEP)

DEVELOPER

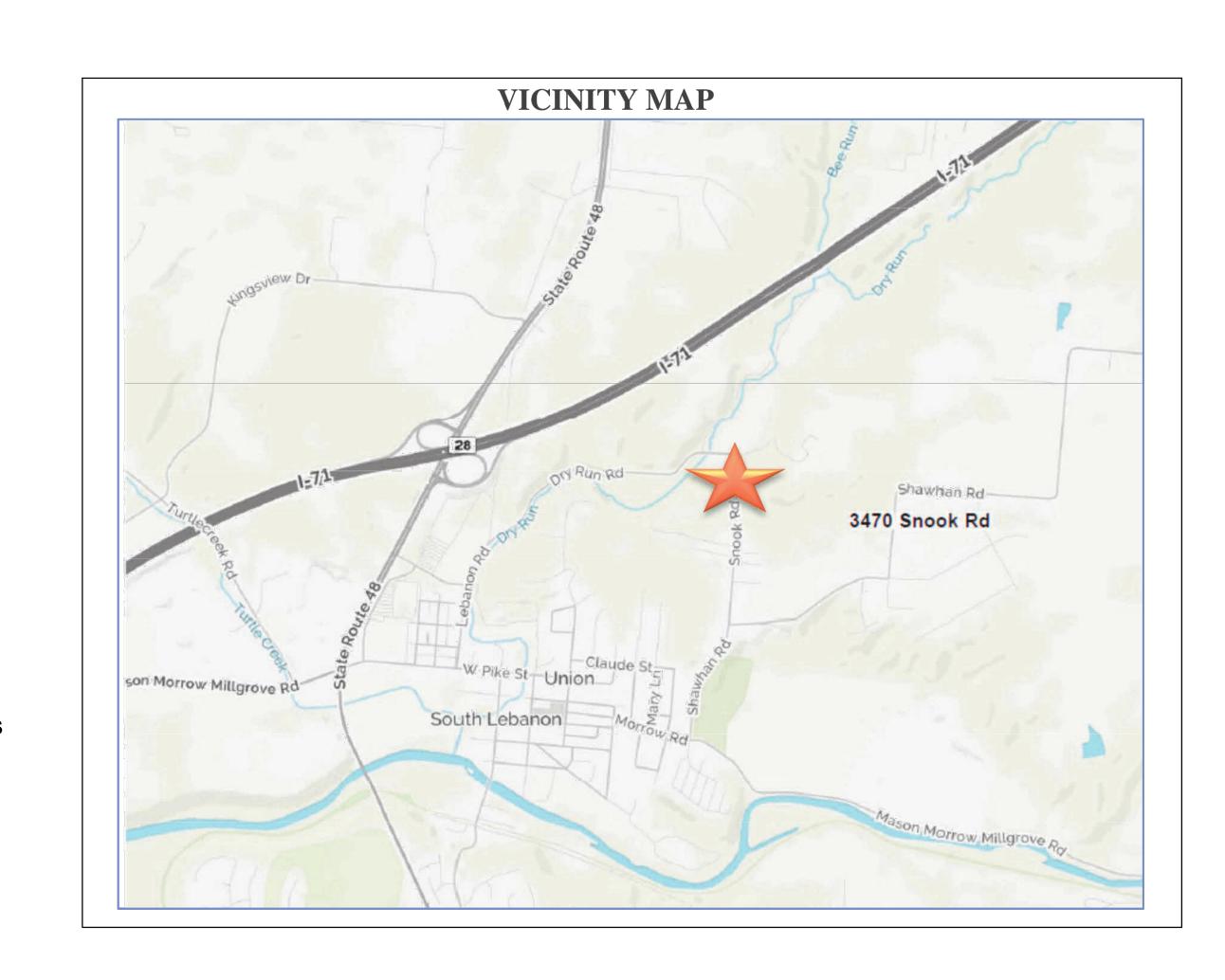
PENDRAGON HOMES 3470 Snook Road Morrow, OH 45152

UTILITY OWNER AND OPERATOR

Ohio Wastewater Systems, Inc. 849 AVIATION PARKWAY SMYRNA, TN 37167

PHASING

| PHASE | YEAR | LOT NUMBERS | COTTAGE LOTS | ESTATE LOTS | ACCESSORY STRUCTURES |
|----------|------|-------------|-----------------|----------------|-------------------------|
| 1 | 2017 | 1-22 | 10 | 12 | 6 |
| 2 | 2018 | 23-44 | 10 | 12 | 6 |
| 3 | 2020 | 45-83 | 20 | 19 | 10 |
| 4 | 2021 | 84-139 | 20 | 36 | 18 |
| Existing | 2021 | | | 3 | 1 |
| TOTAL | | 1-139 +Ex | 60 | 82 | 41 |



CONTENTS:

| SHEET 1 | COVER SHEET |
|-------------|-------------------------|
| SHEET 2 | SITE LAYOUT (1" = 100') |
| SHEET 3 - 4 | PHASE 3 DETAILS |

SHEET 5 COLLECTION LINE DETAILS

SHEET 6 TANK DETAILS

SHEET 7-8 COLLECTION LINE PROFILES

SHEET 9 DRIP FIELDS



LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

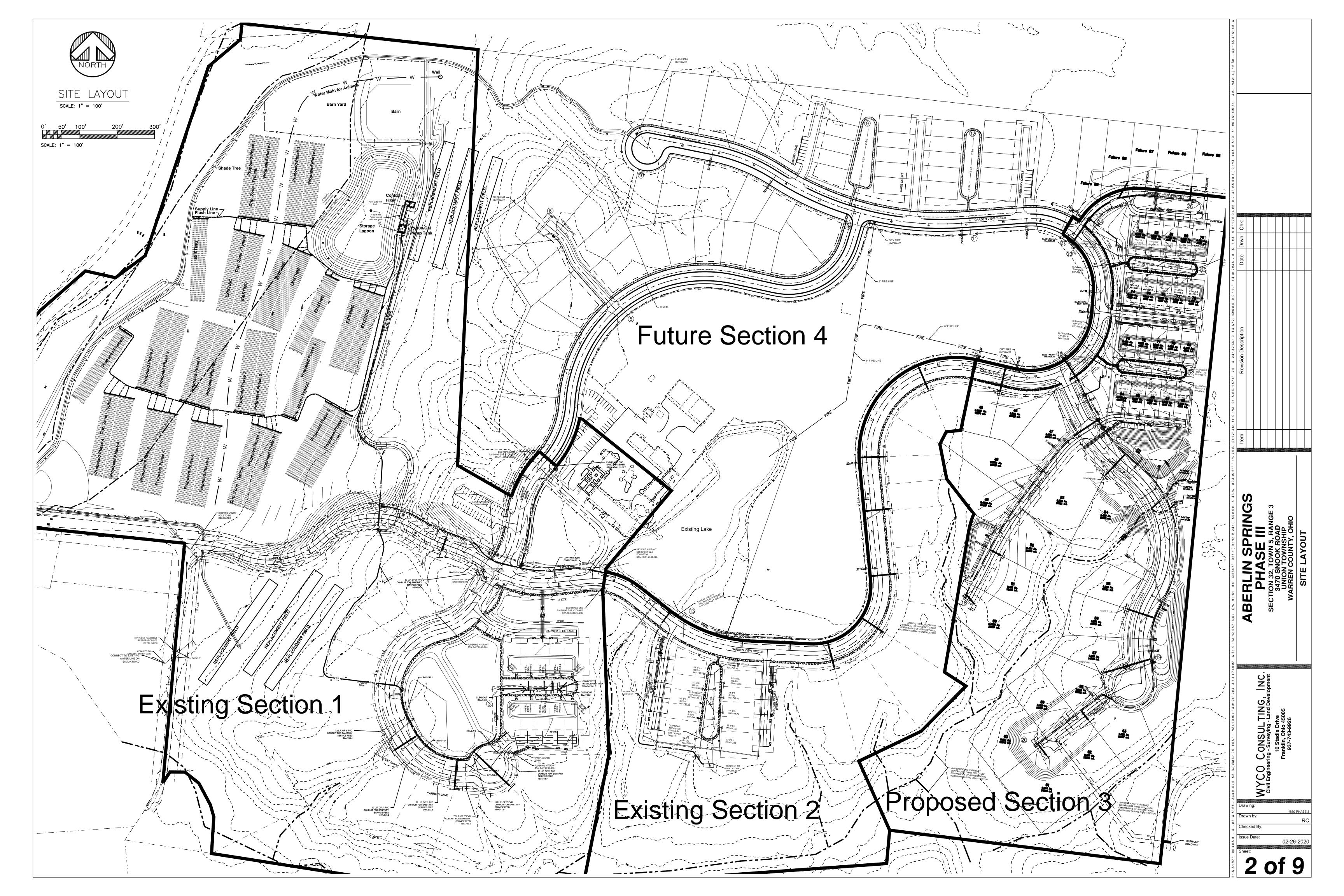
| | 3000000 | | | | | 2000 | | |
|--|----------------------|--|--|--|-------|------|---|--|
| | Chk: | | | | | | | |
| | Date Drwn: Chk: | | | | | | | |
| | Date | | | | | | | |
| | Revision Description | 02/28/2020 Revisions to Add Sump MH 56 | 03/12/2020 Revised water services lots 64-83, revised detail sheet | | | | | |
| | Item | 1 | 2 | | | | | |
| | ***** | | | | 88888 | | | |
| | | | | | | | 1 | |

ABERLIN SPRING
PHASE III
SECTION 32, TOWN 5, RANGE 3
3470 SNOOK ROAD
UNION TOWNSHIP

YCO CONSULTING, INC.
il Engineering - Surveying - Land Development
10 Stadia Drive
Franklin, Ohio 45005
937-743-9926

| > | |
|-------------|-----------|
| | |
| Drawing: | |
| | 1880 PHAS |
| Drawn by: | |
| • | R |
| Checked By: | |
| - | |

Sheet:





SITE LAYOUT

SCALE: 1" = 50'

0' 25 50 100' 150 SCALE: 1" = 50'

— 2 SA — NEW 2"Ø SDR21 PVC COLLECTION MAIN (GREEN)

2

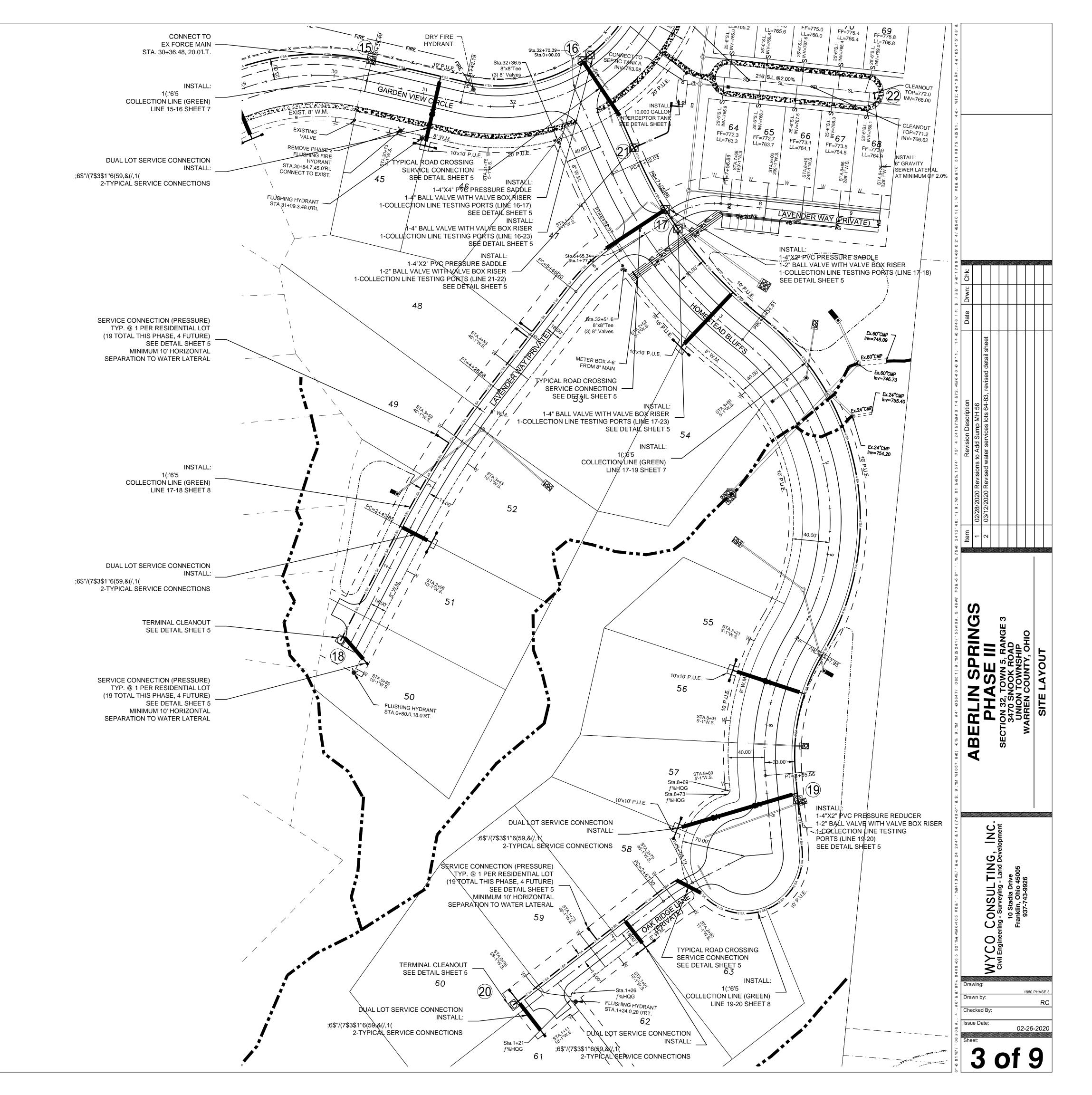
COLLECTION LINE NODE
(LINES IDENTIFIED FROM NODE TO NODE)

GENERAL NOTES:

- 1) WASTEWATER EFFLUENT FROM ALL LOTS IN ABERLIN SPRINGS WILL CONNECT VIA PRESSURE COLLECTION MAINS TO THE DRIP DISTRIBUTION FIELDS AS SHOWN ON ABERLIN SPRINGS DRIP DISTRIBUTION PLANS.
- 2) LOTS 64-73 AND LOTS 74-83 WILL REQUIRE A 10,000 GALLON STEP (PUMP) TANK TO CONNECT TO THE SEWER SYSTEM AND LOTS 45-63 IN PHASE 3 WILL EACH REQUIRE A 1500 GALLON STEP (PUMP) TANK (INFILTRATOR IM-1530 OR EQUIVALENT).
- 3) THE COLLECTION SYSTEM CONTRACTOR WILL BE REQUIRED TO INSTALL A TYPICAL SERVICE CONNECTION (SEE DETAIL SHEET 5) TO THE PROPERTY CORNER OF EACH LOT.
- 4) WHERE SEWER LINES CROSS STORM DRAINAGE LINES, A MINIMUM OF 18" OF SEPARATION MUST BE MAINTAINED (SEE DETAIL SHEET 5).
- 5) WHERE SEWER LINES CROSS WATER LINES, A MINIMUM OF 18" OF SEPARATION MUST BE MAINTAINED (SEE DETAIL SHEET 5).
- 6) ALL SITE INFORMATION WAS SUPPLIED BY THE OWNER. THE CONTRACTOR MUST VERIFY ACTUAL LOCATIONS IN THE FIELD.
- 7) CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK. ANY DAMAGED UTILITIES SHALL BE REPAIRED IMMEDIATELY TO THEIR ORIGINAL OR BETTER CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 8) THE LOCATION OF COLLECTION SYSTEM COMPONENTS ARE GENERAL IN NATURE. MINOR FIELD ADJUSTMENTS MAY BE NECESSARY. THE CONTRACTOR MAY REQUEST TO MODIFY THE LOCATION OF THE COMPONENTS THROUGH THE OWNER AND OHIO WASTEWATER SYSTEMS, INC.
- 9) THE CONTRACTOR IS TO PROVIDE AS-BUILT DRAWINGS TO OHIO WASTEWATER SYSTEMS, INC. PRIOR TO O.W.S. ACCEPTING THEIR WORK.
- 10) ALL COLLECTION LINES SHALL HAVE A MINIMUM 10' PUDE OR DEDICATED
- INSPECTION AND TESTING REQUIREMENTS

EASEMENT UNLESS OTHERWISE NOTED.

- 1) ADENUS OPERATIONS WILL FURNISH AN INSPECTOR DURING ACTUAL CONSTRUCTION. ALL LINES MUST BE INSPECTED AND RECEIVE APPROVAL BEFORE ANY BACK FILLING OF TRENCHES.
- 2) ALL PIPE AND FITTINGS FURNISHED BY CONTRACTOR MUST HAVE A CERTIFICATE FROM THE MANUFACTURER STATING REQUIREMENTS OF APPLICABLE STANDARDS HAVE BEEN MET (i.e., SCHEDULE 40 OR CLASS 200 PVC).
- 3) ALL PIPE (MAIN AND SERVICE) MUST HAVE TONER WIRE (#14 SOLID STEEL PLASTIC COVER) INSTALLED ON TOP OF THE PIPE AS IT IS BACKFILLED.
- 4) TIE-INS BETWEEN PHASES OF CONSTRUCTION MUST BE MADE BY USE OF SLIP FIX REPAIR COUPLING ON BOTH GRAVITY AND PRESSURE SYSTEMS.
- 5) ALL EFFLUENT PIPING MUST BE WATER PRESSURE TESTED AT 125 psi.
- 6) ALL TANKS FOR STEP, AND PUMP STATION TANKS MUST BE TESTED AT THE MANUFACTURING PLANT WITH WATER AND CERTIFIED AS BEING WATERTIGHT. AFTER SETTING IN THE FINAL LOCATION, ALL TANKS MUST BE WATER TESTED. IN PLACE, TANKS MAY BE PUMPED DOWN TO ONE—THIRD (1/3) FULL TO INSTALL EQUIPMENT AND TO PREVENT FLOATING IN HIGH GROUND WATER.**
- 7) KICKERS OR BRACING MUST BE INSTALLED ON ALL BENDS AND TEES TO PREVENT MOVEMENT WHILE TESTING TO 125 psi.





SITE LAYOUT

SCALE: 1" = 50'

0' 25 50 100' 150 SCALE: 1" = 50'

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NEW 4"Ø SDR21 PVC COLLECTION MAIN (GREEN)

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(LINES IDENTIFIED FROM NODE TO NODE)

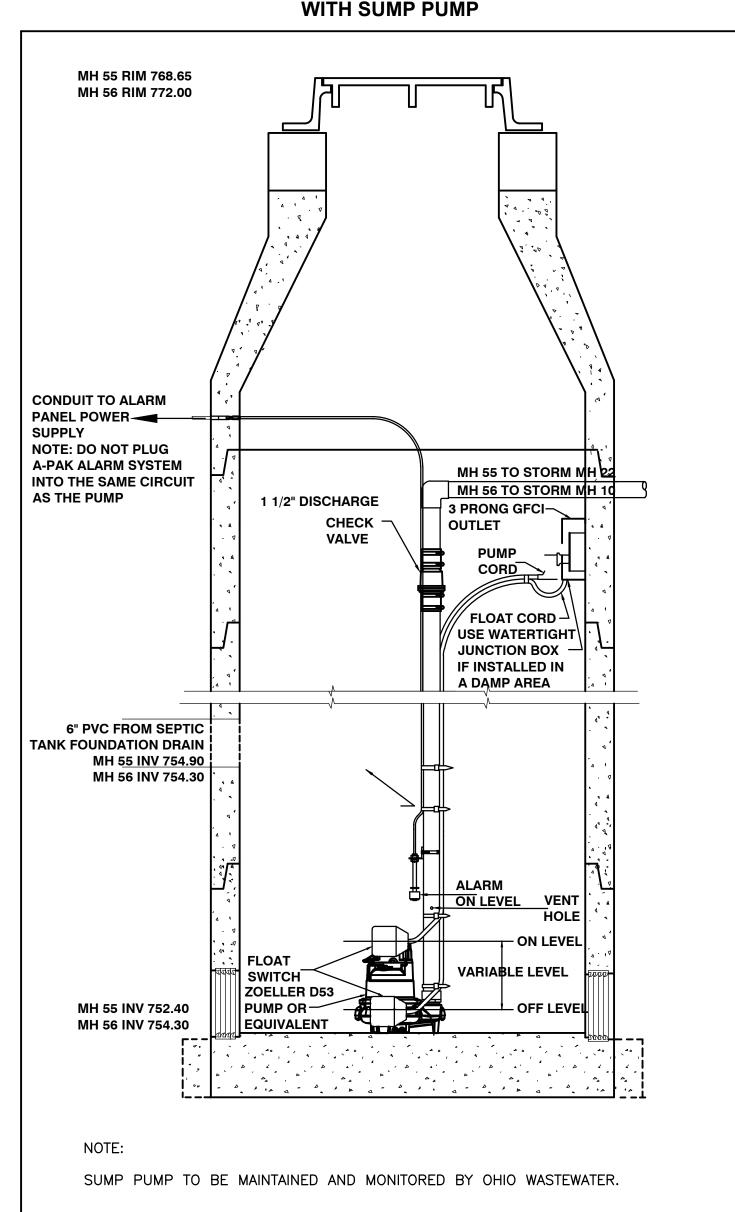
DETAIL STORM MH 55 AND 56

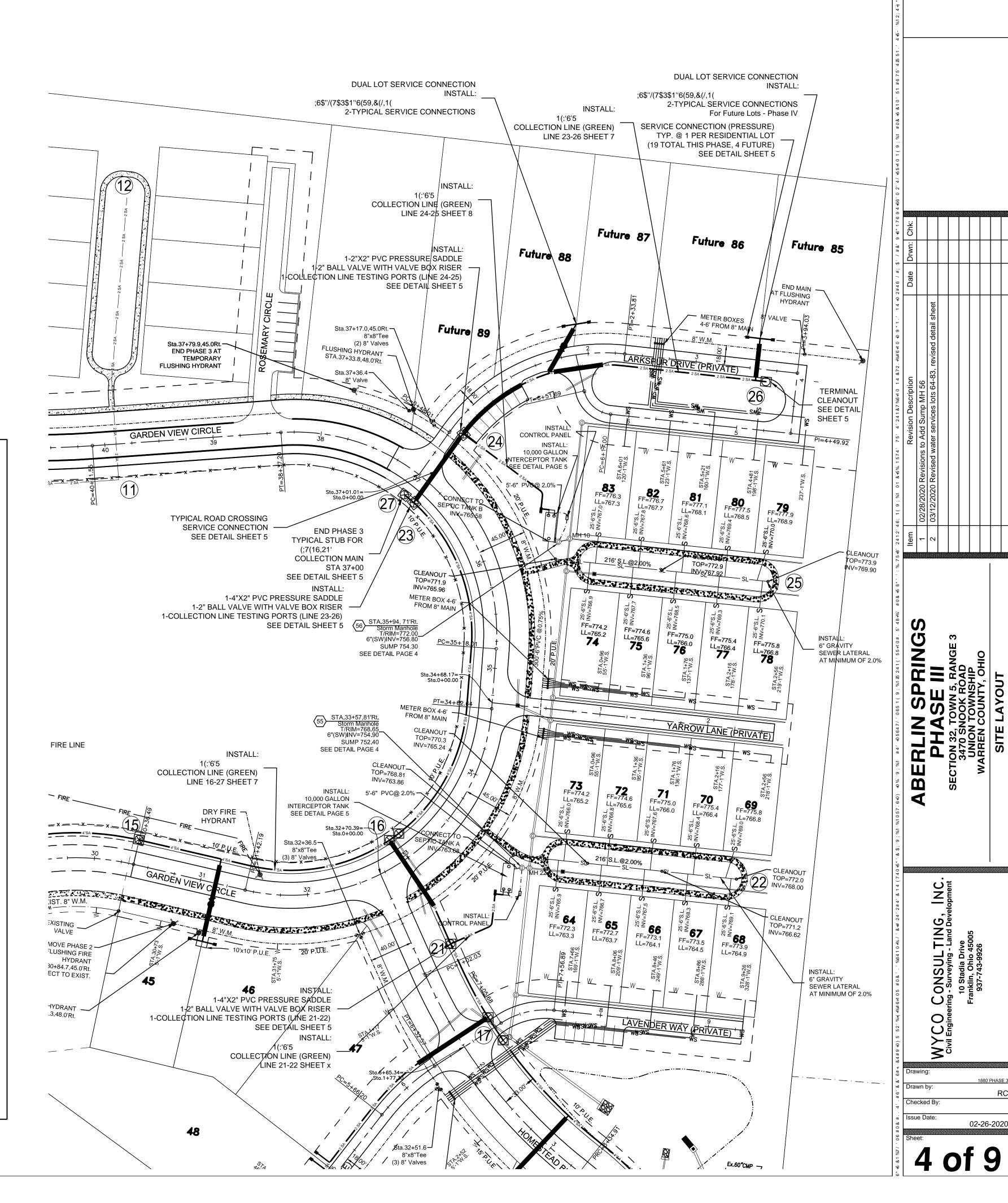
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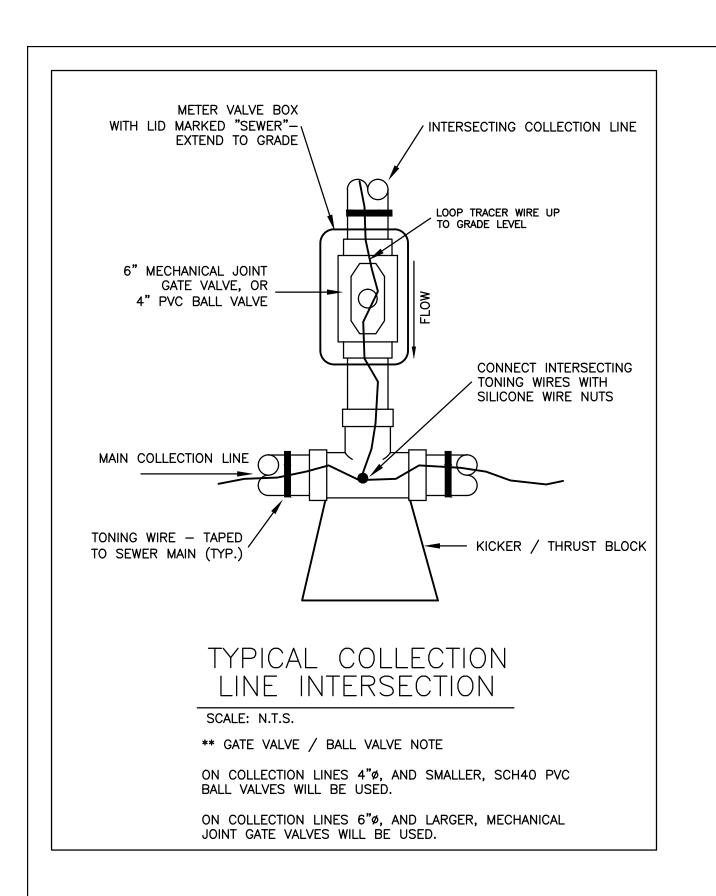
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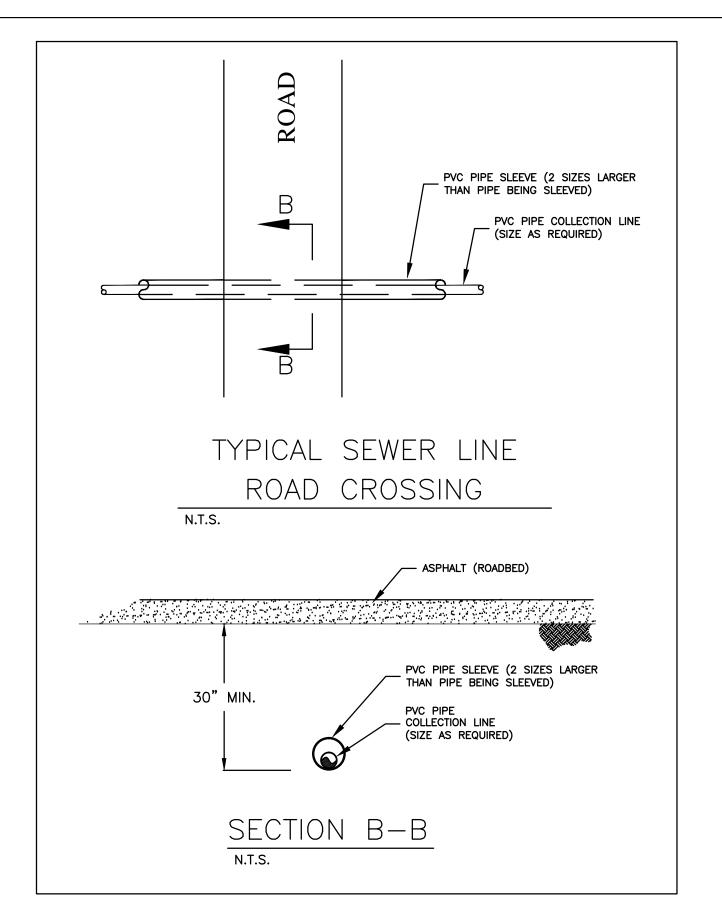
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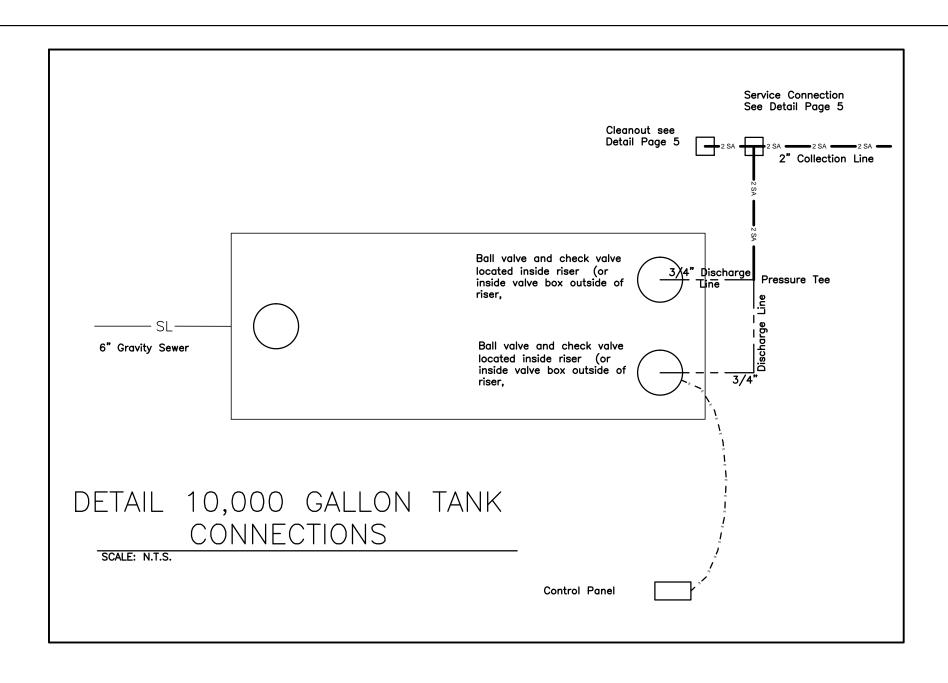
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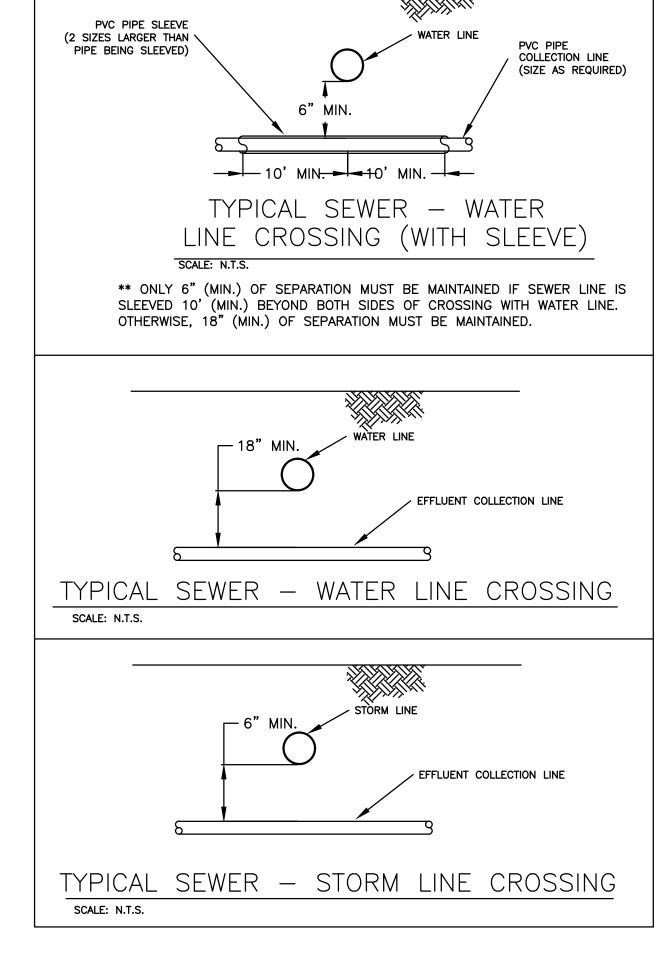


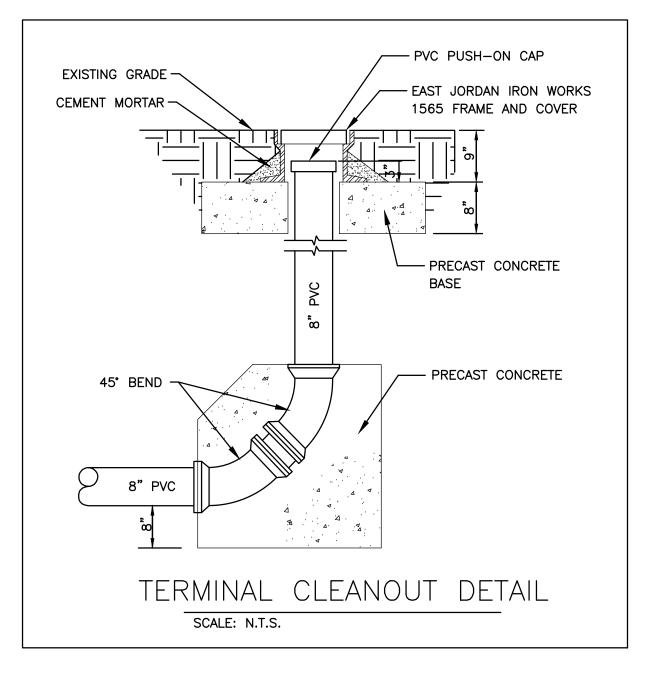


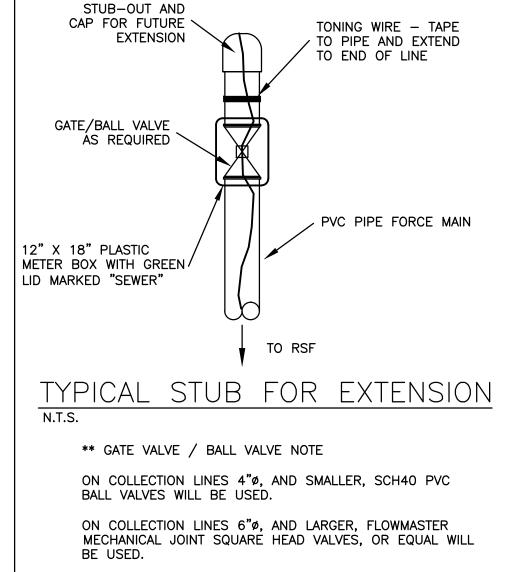


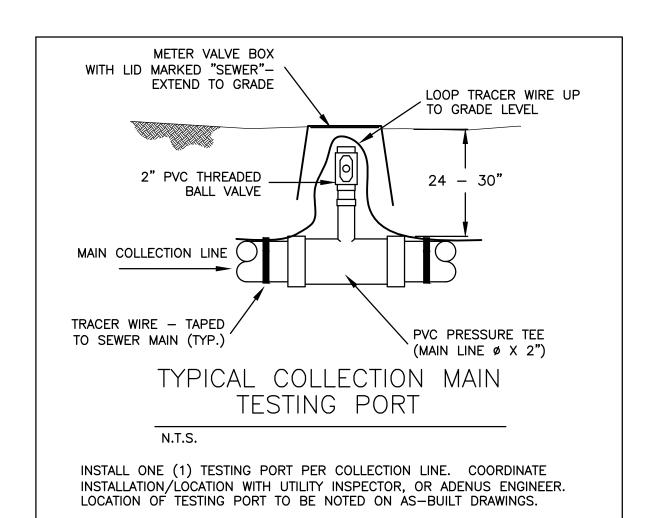




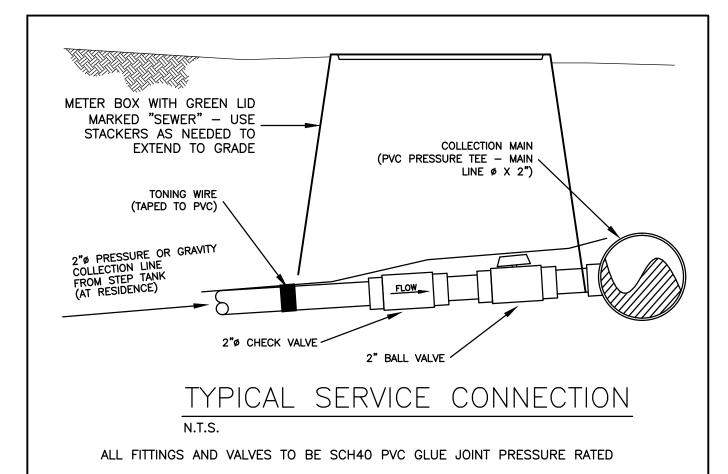


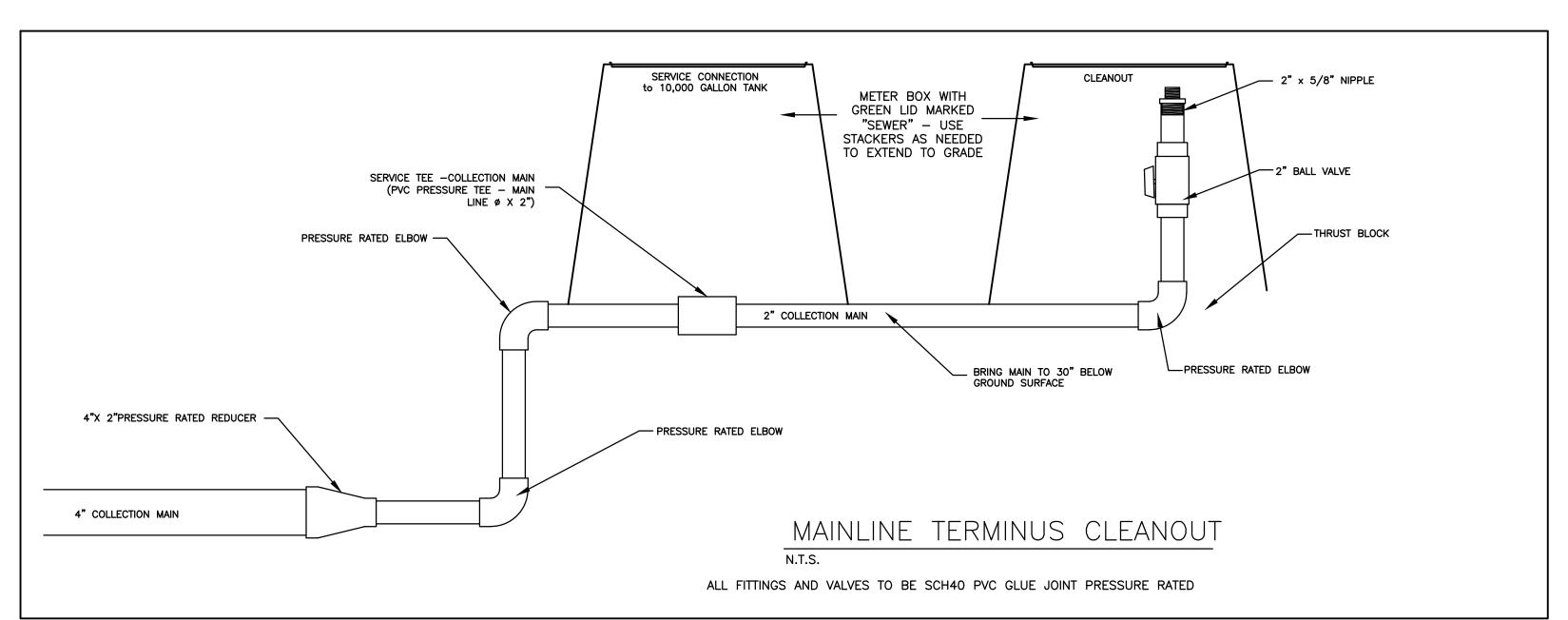


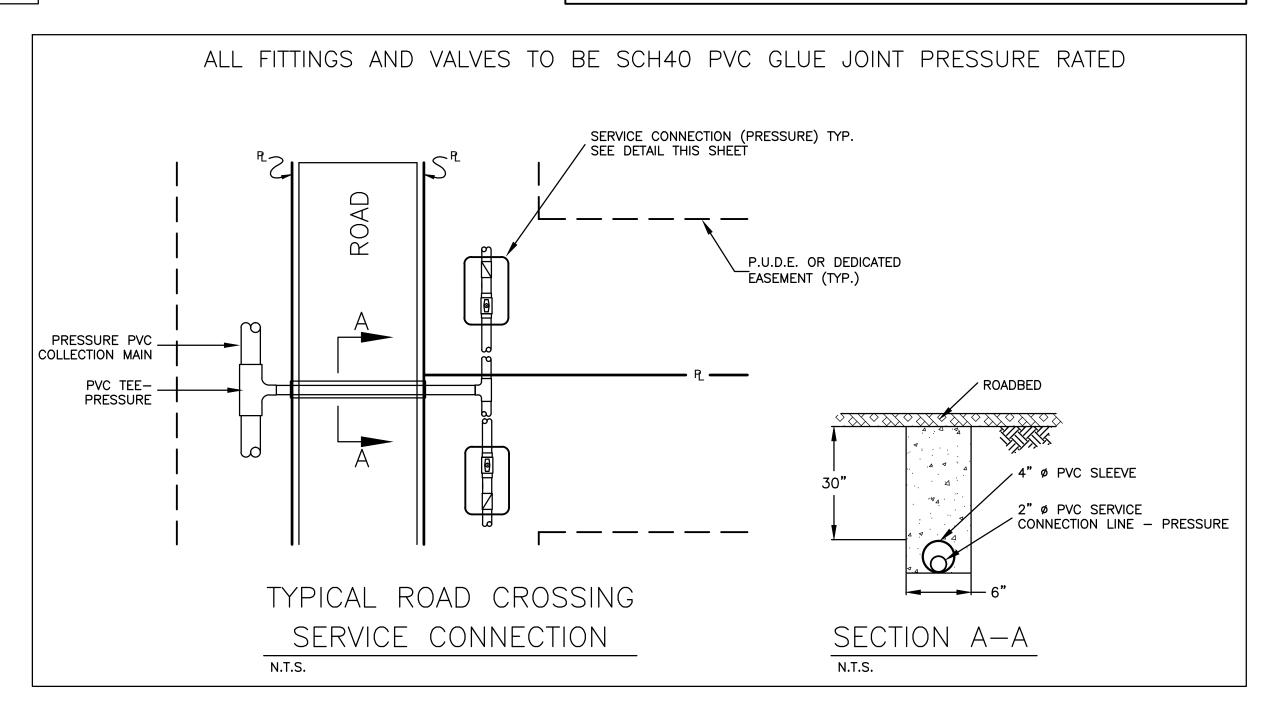


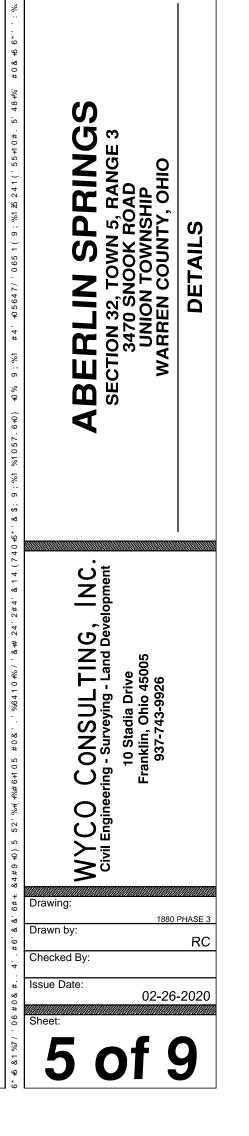


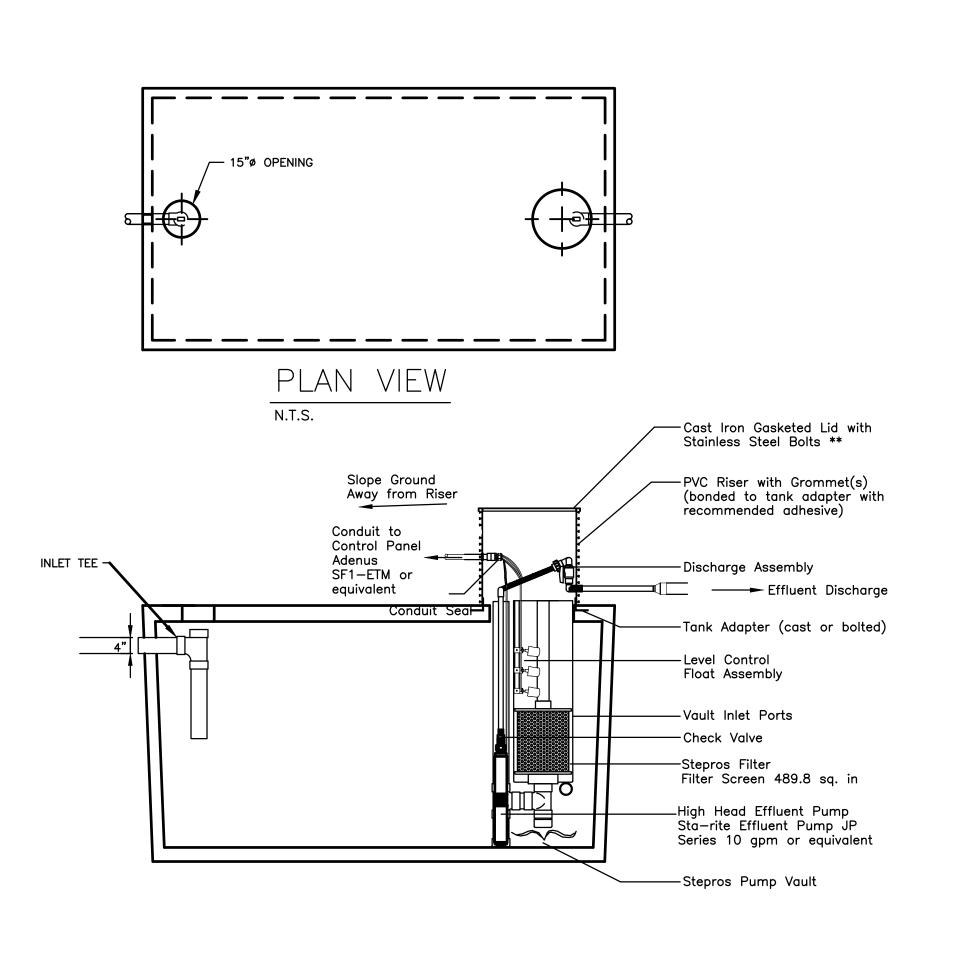
** IN ORDER TO DEMONSTRATE WATER TIGHTNESS, TANKS SHALL BE TESTED TWICE PRIOR TO ACCEPTANCE. EACH TANK SHALL BE TESTED AT THE FACTORY, PRIOR TO SHIPPING, BY FILLING TO TWO (2) INCHES ABOVE THE TOP OF THE LID AND THE EXFILTRATION RATE SHALL BE DETERMINED BY MEASURING THE WATER LOSS DURING THE NEXT TWO HOURS. THE SAME TEST WILL BE CONDUCTED ONCE THE TANK IS IN THE FIELD, PRIOR TO BACKFILLING. AFTER TANKS ARE FILLED 2" INTO THE RISER, THERE SHOULD BE LESS THAN 1/2" DROP IN 24 HOURS.











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SEE ENGINEERING REPORT FOR SPECIFICATIONS FOR PUMP, PUMP VAULT, INLET FILTER, AND CONTROL PANEL

ALL TANKS SHALL BE ONE—PIECE, STRUCTURALLY SOUND, WATERTIGHT TANKS AS MANUFACTURED BY JARRETT CONCRETE PRODUCTS, OR APPROVED EQUAL

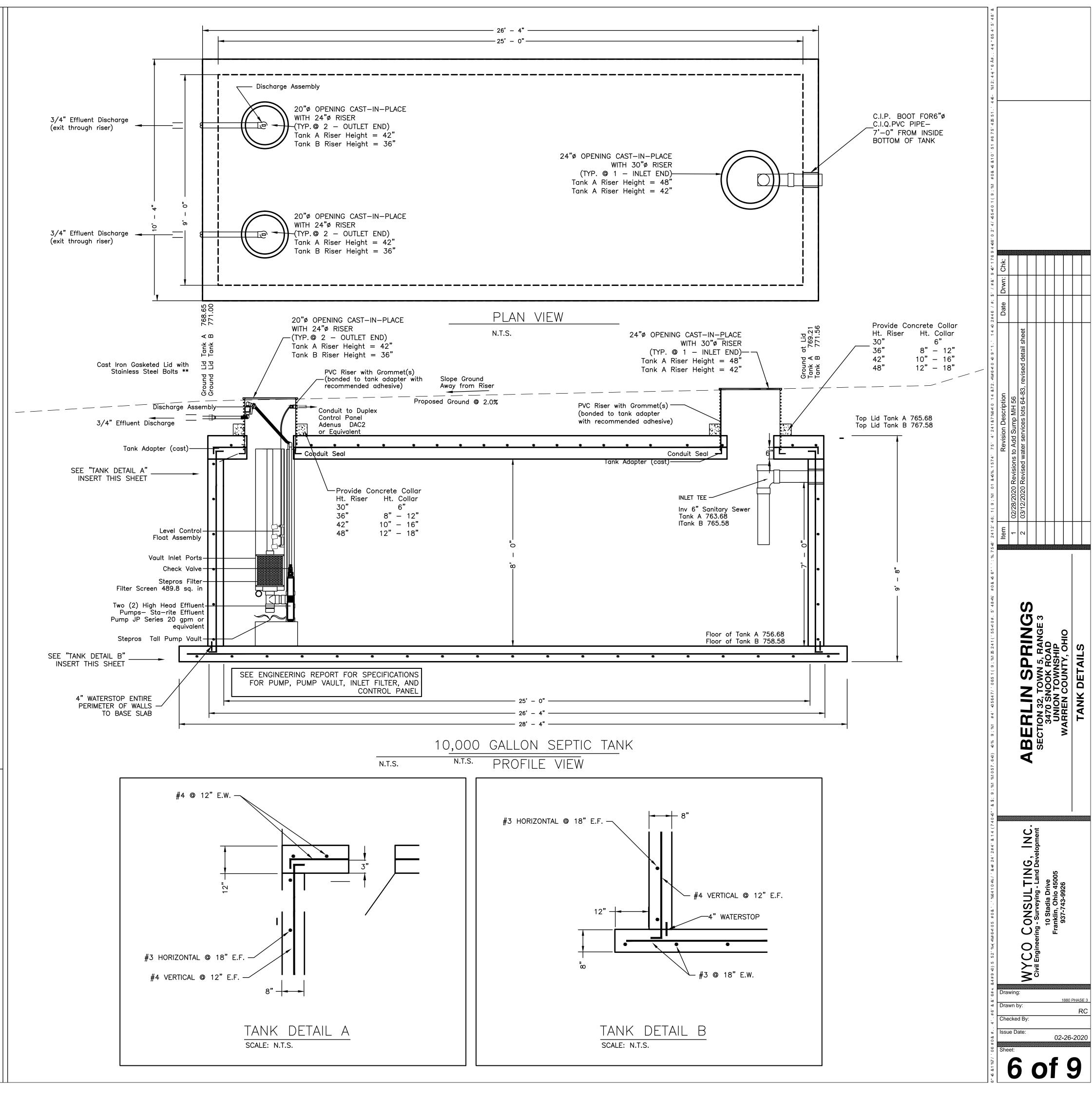
1500 GALLON STEP TANK

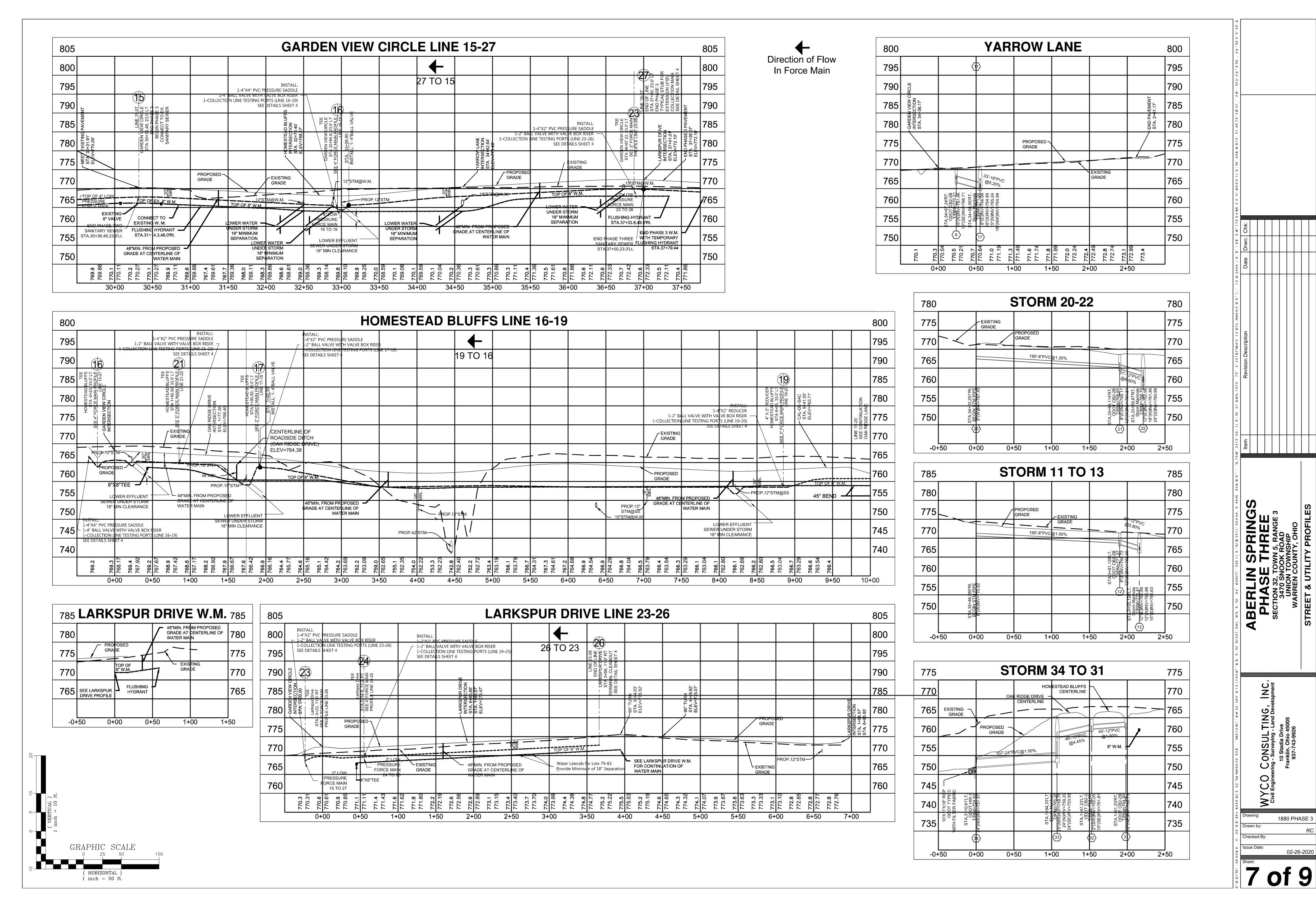
N.T.S.

TANK WILL BE A 1500 GALLON, WATERTIGHT PRE-CAST STEP TANK, AS MANUFACTURED BY JARRETT CONCRETE PRODUCTS, OR APPROVED EQUAL. CONTACT: 615 792 9332

Per the US EPA Manual "Alternative Wastewater Collection Systems" dated October 1991, Page 22, interceptor tanks are typically single compartment septic tanks with venting through the house plumbing stack vent.

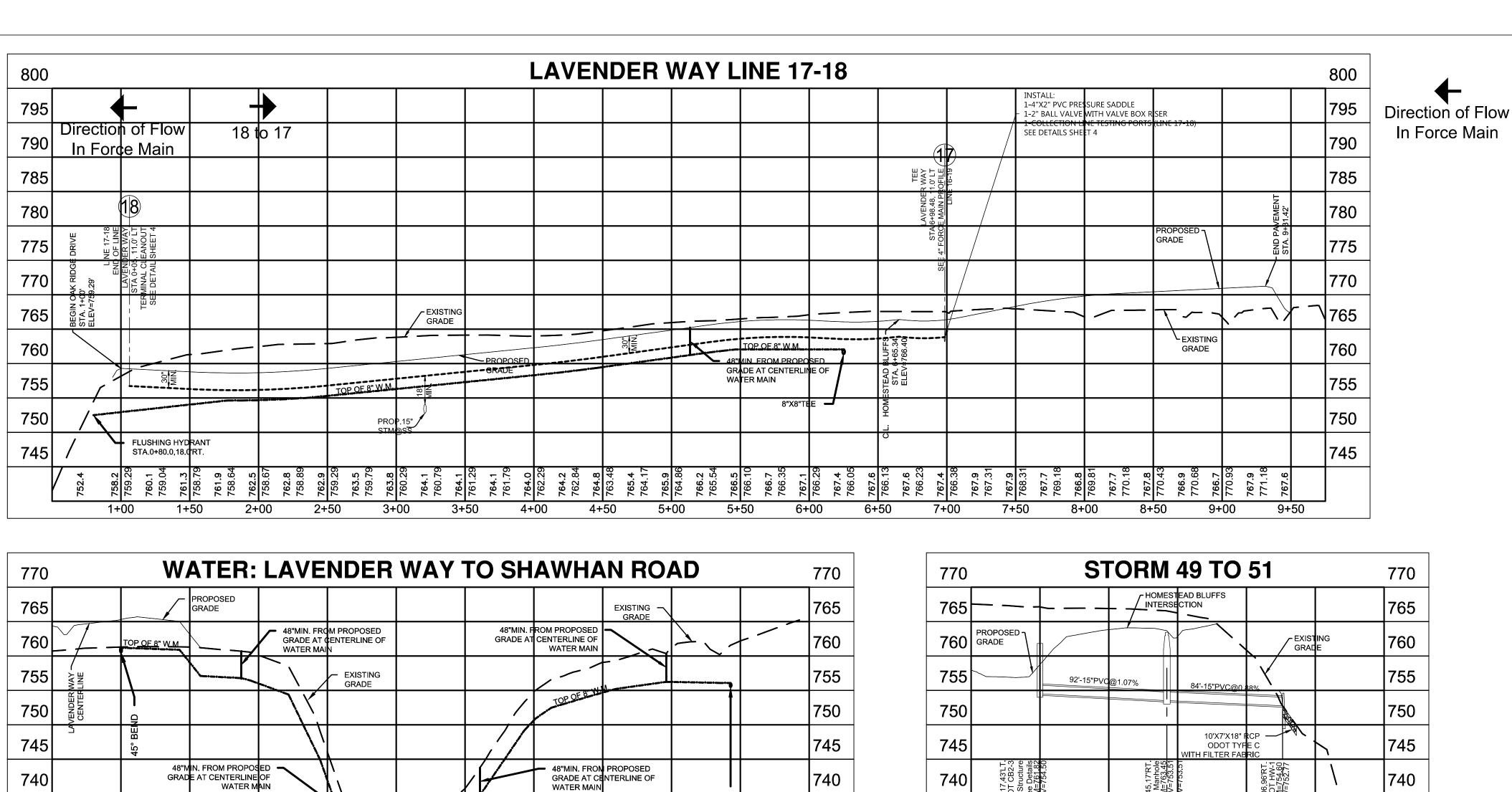
Roof drains, foundation drains, sump pump drains, and all other clean water connections to the sanitary sewer system are prohibited.





1880 PHASE 3

02-26-2020

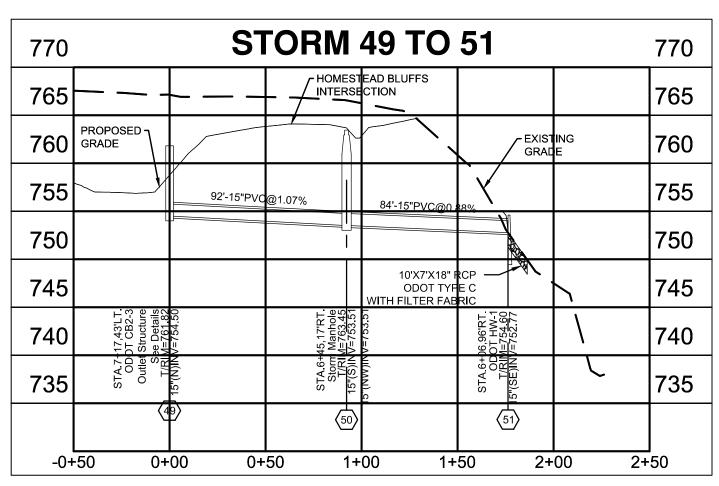


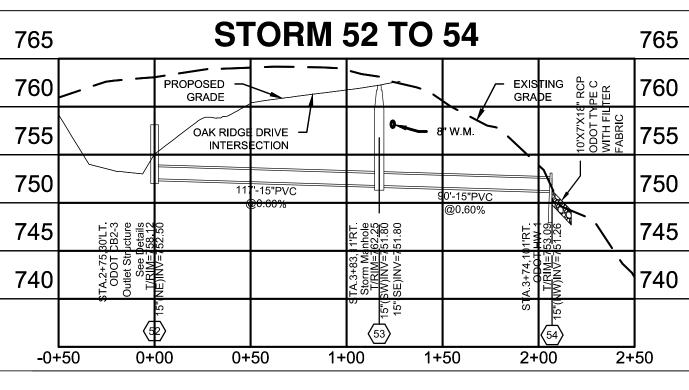
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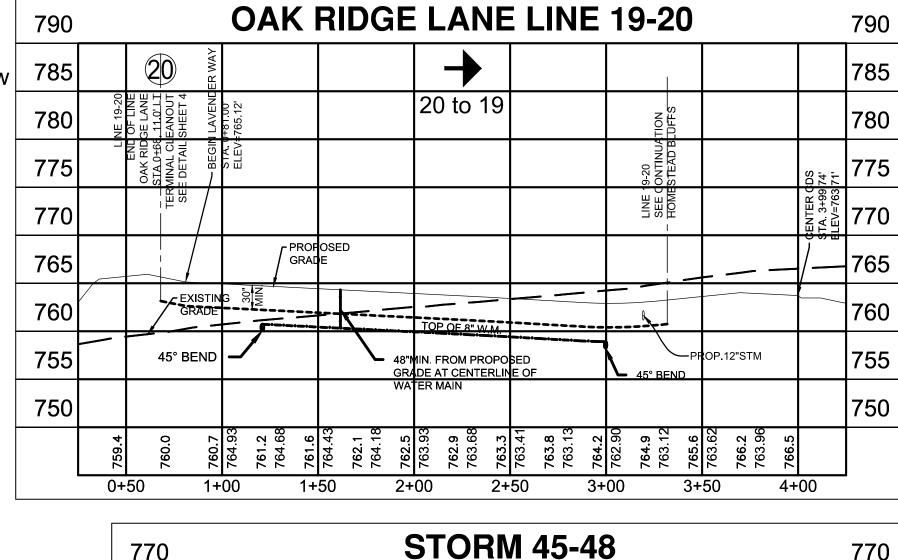
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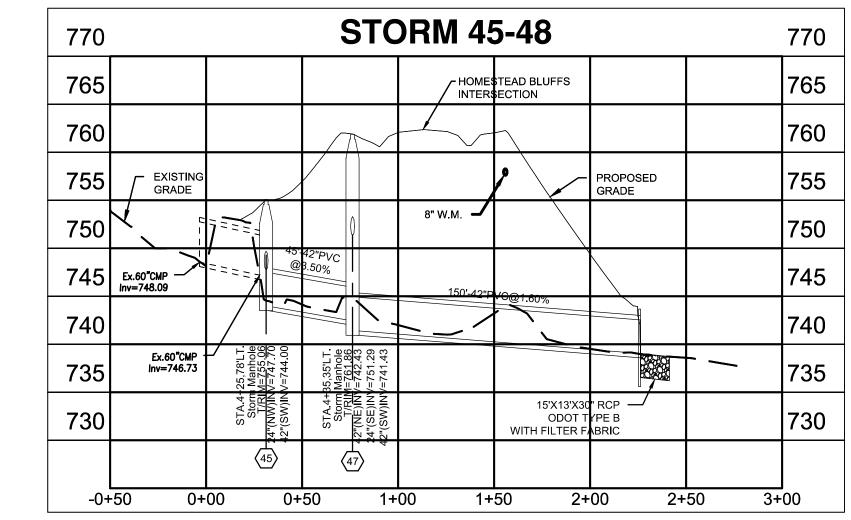
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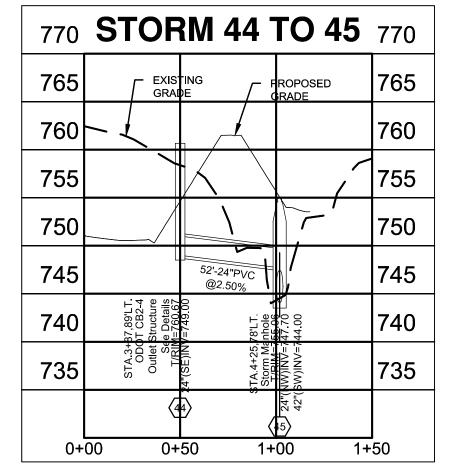
4+50

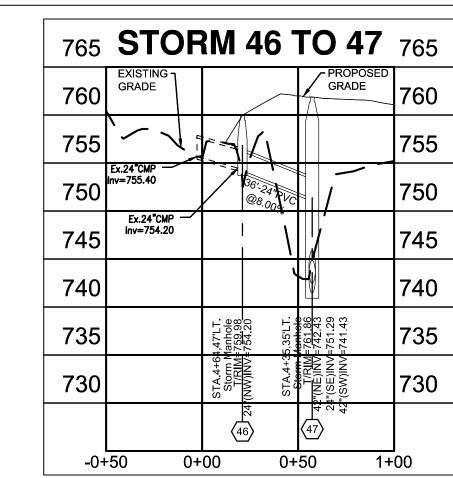


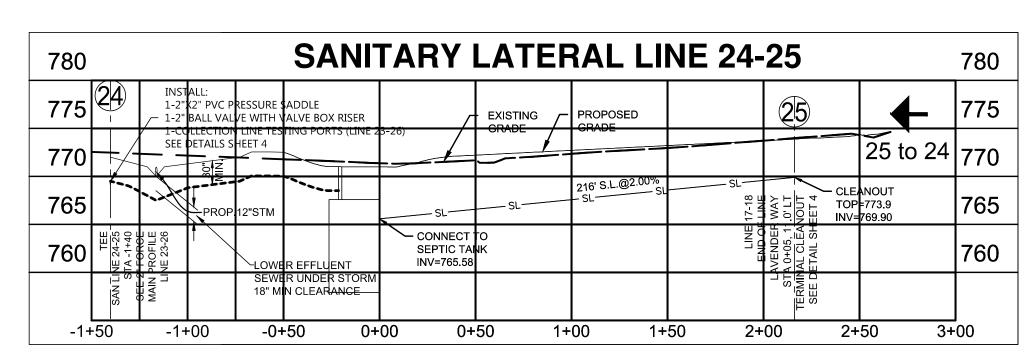












2+00

2+50

3+00

3+50

4+00

735

730

720

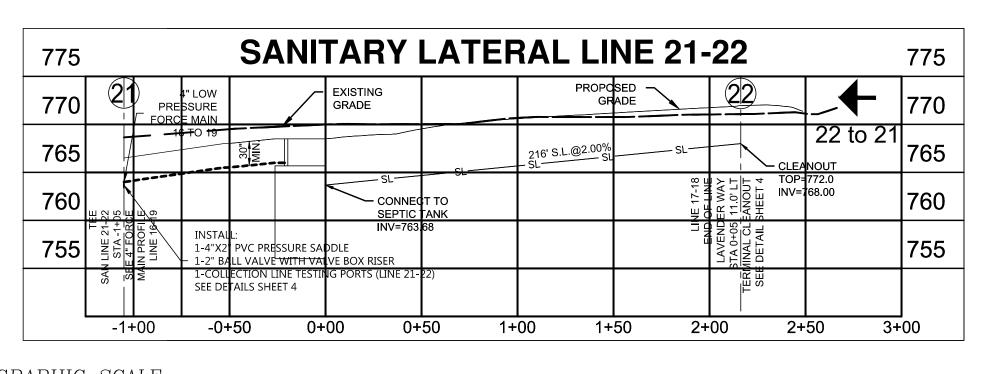
-0+50

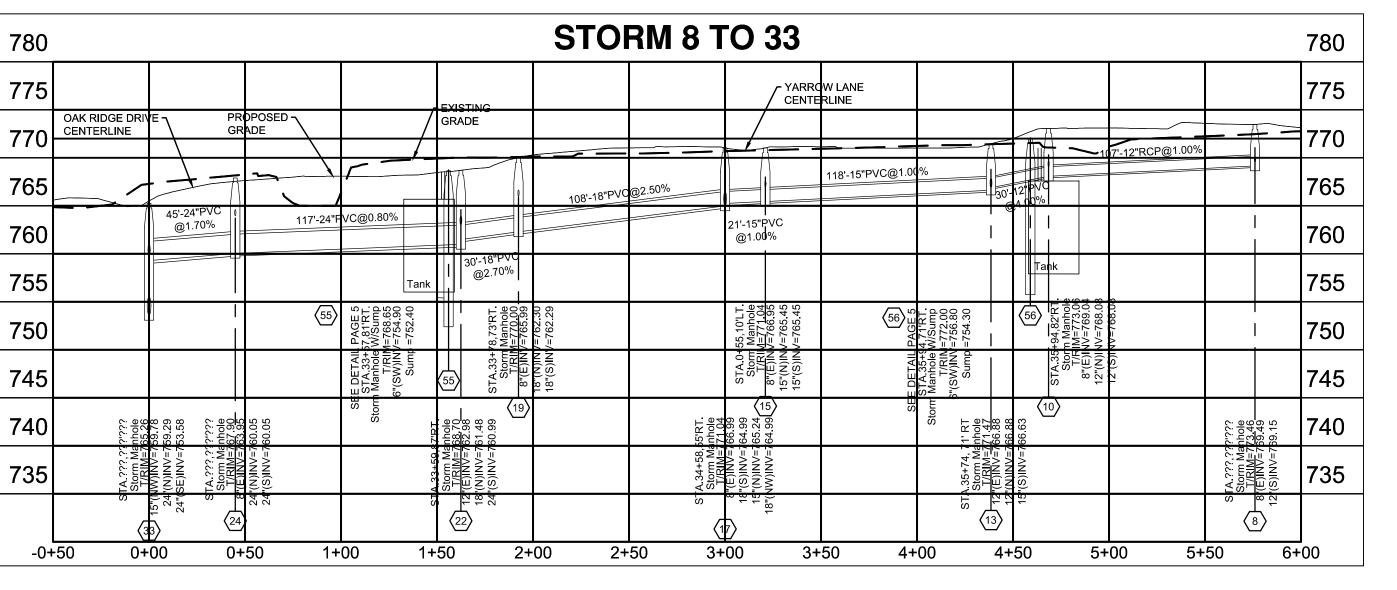
0+00

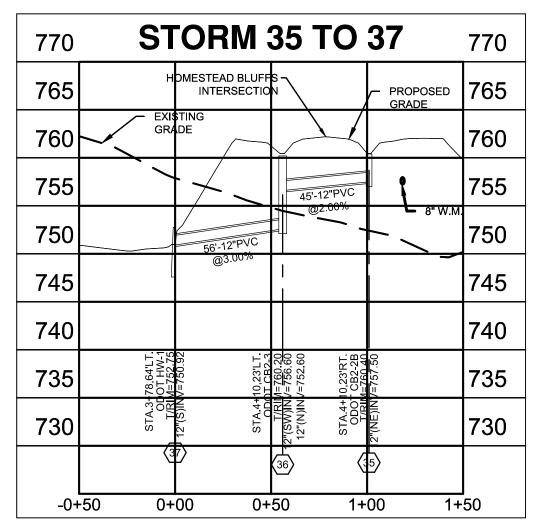
HORIZONTAL) 1 inch = 50 ft. 0+50

1+00

1+50



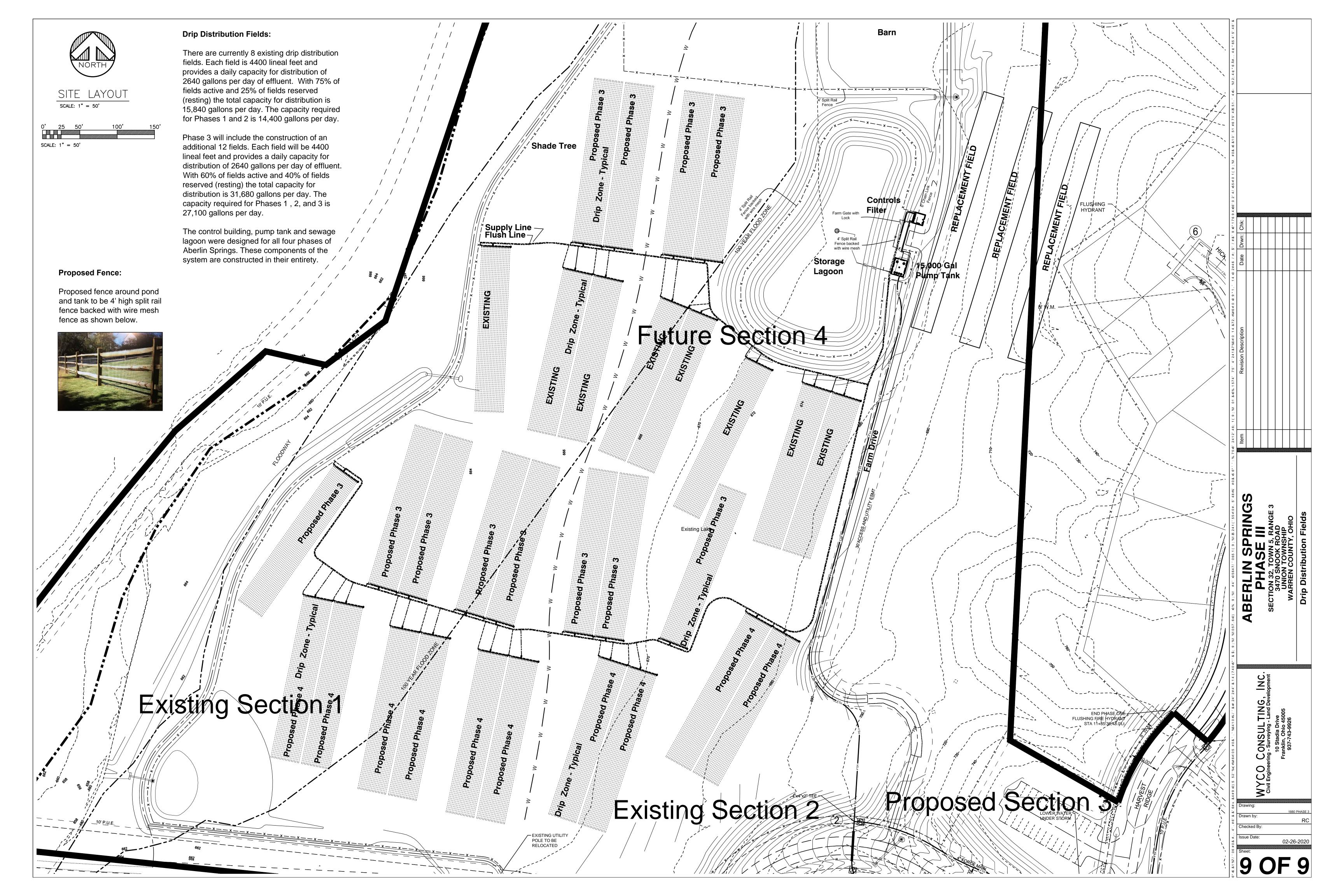






SPRING:
THREE

1880 PHASE 3 02-26-2020



This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

5/1/2020 9:16:18 AM

in

Case No(s). 17-0616-ST-ACE

Summary: Correspondence Copy of the subdivision map for Aberlin Springs showing the phases and respective lots in each phase. electronically filed by Mr. Jeff Risden on behalf of Ohio Wastewater Systems, Inc.