

FIRE PROTECTION CISTERN AT 50 CUTLER ROAD TOWN PROJECT NO. 17-15

PREPARED BY:

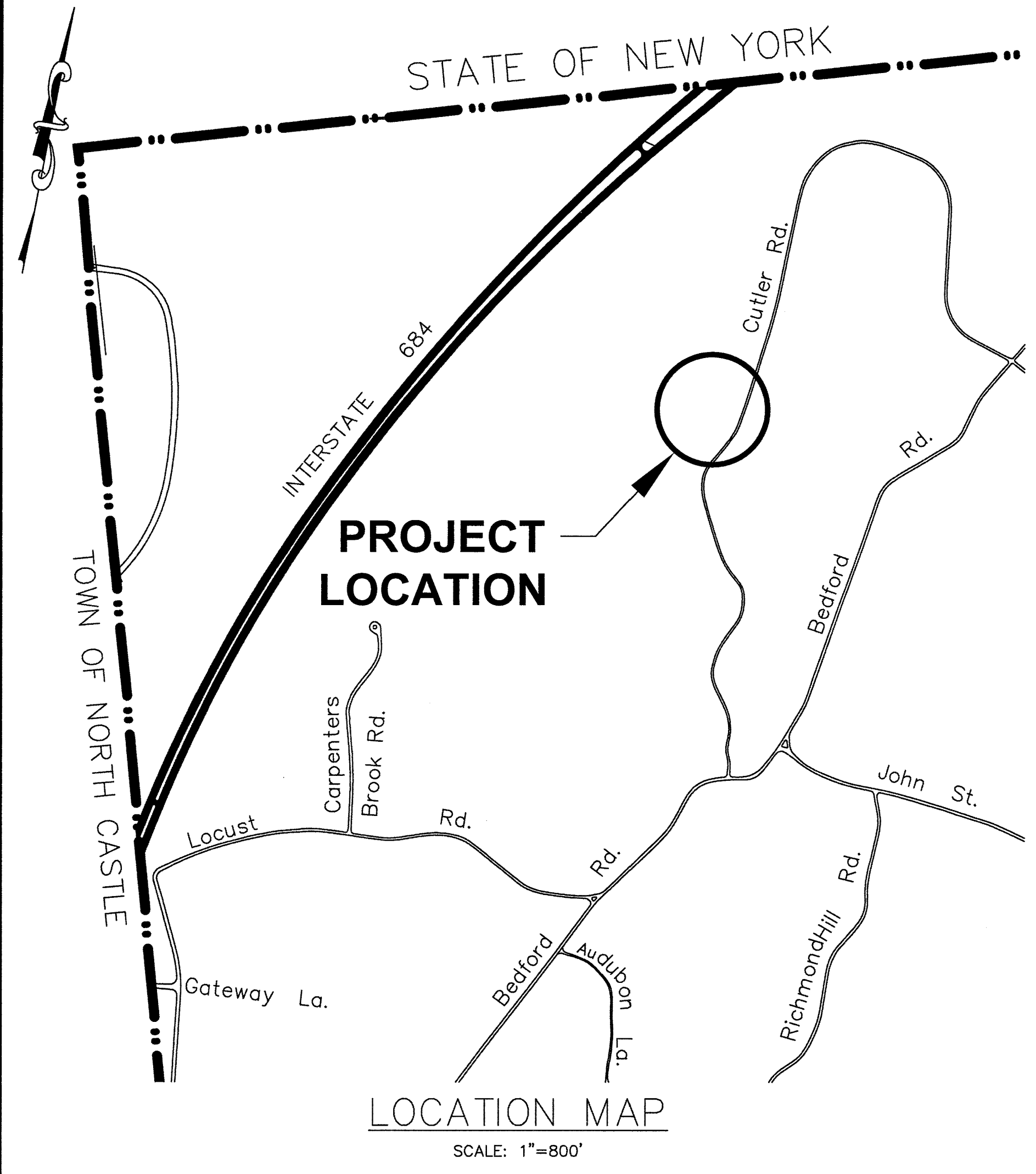
TOWN OF GREENWICH

101 FIELD POINT ROAD
GREENWICH, CT 06830

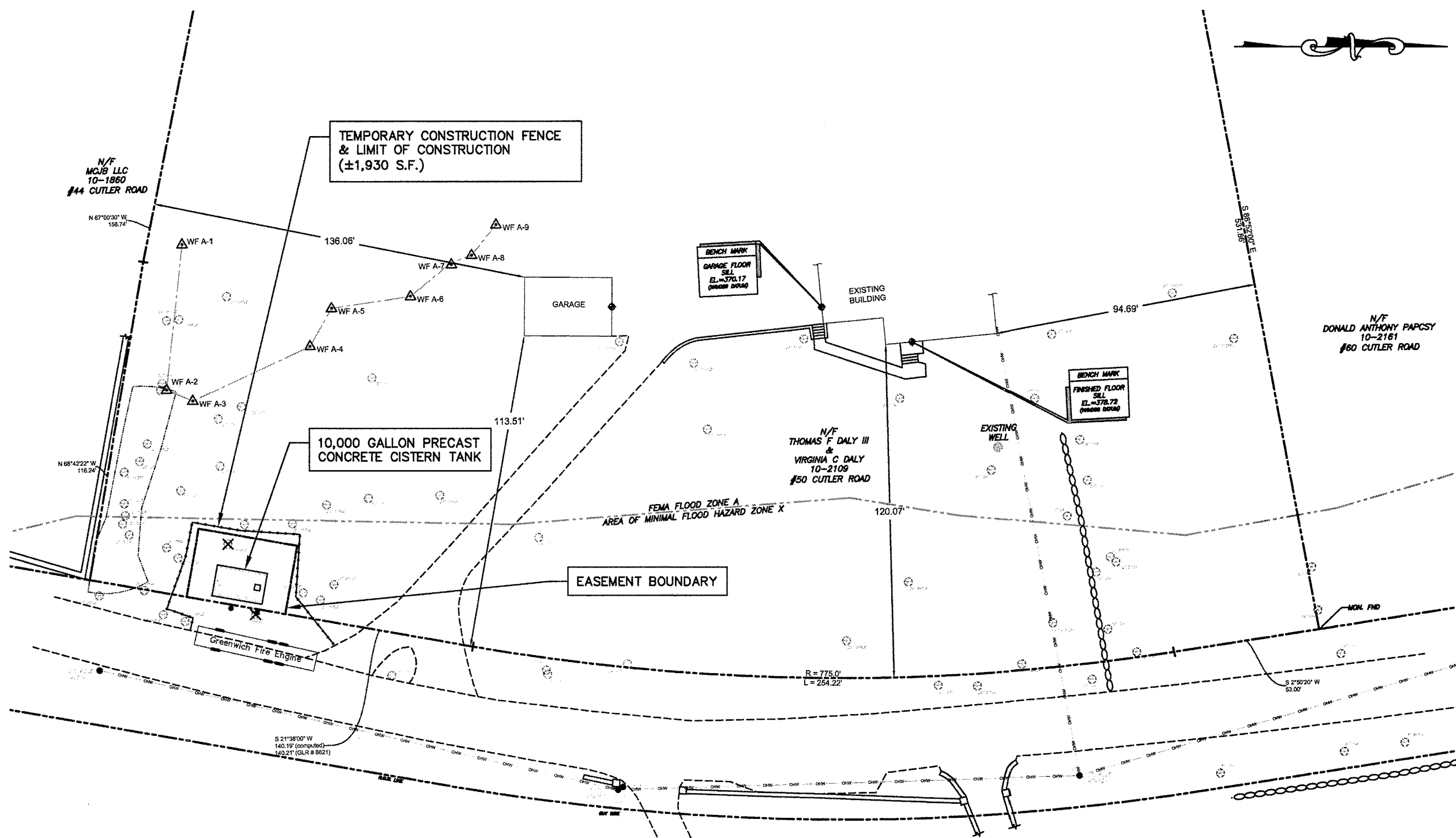
FINAL DESIGN SEPTEMBER 2018

GENERAL CONSTRUCTION NOTES

- FIRE PROTECTION WATER STORAGE TANK SHALL BE A 10,000 GALLON REINFORCED PRECAST CONCRETE TANK AS MANUFACTURED BY UNITED CONCRETE PRODUCTS INC, TALESVILLE, CT OR APPROVED EQUAL.
- FIRE PROTECTION WATER STORAGE TANK APPURTENANCES: REINFORCED PRECAST CONCRETE TANK AND 4" DIA. PRECAST CONCRETE RISER CONE, INCLUDING LADDER RUNGS, SHALL BE SUPPLIED BY THE TANK MANUFACTURER. LINK SEAL FOR PIPE PENETRATIONS, DUCTILE IRON AND PVC PIPING AND FITTINGS (EXTERIOR TO TANK) SHALL BE FURNISHED BY THE CONTRACTOR.
- DRAFT, FILL AND VENT PIPING AND FITTINGS: DRAFT/FILL PIPING AND FITTINGS SHALL BE DUCTILE IRON THICKNESS CLASS 53 CONFORMING TO THE REQUIREMENTS OF AWWA/ANSI C151/A21.51 AND C110/A21.10. PAINT ALL EXPOSED (ABOVE FINISHED GRADE) DUCTILE IRON PIPE, POLYVINYL CHLORIDE (PVC) PLASTIC PIPE AND FITTINGS WITH A WATER BASED, ACRYLIC OR LATEX PAINT FORMULATED FOR EXTERIOR USE. DRAFT COLOR-RED, FILL AND VENT COLOR-GREEN.
- FIRE DEPARTMENT DRAFT CONNECTION: SHALL BE ALUMINUM ADAPTER AND CONNECTION COMPONENTS MANUFACTURED BY THE KOCHKE COMPANY, INC., PUTNAM, CONNECTICUT (800-420-4673) OR AN APPROVED EQUAL. THE DRAFT CONNECTION SHALL BE A SIX (6) INCH NATIONAL STANDARD THREAD (NST) FEMALE SWIVEL TYPE CONNECTION (PART NO. DNF 61, COLOR-RED). THE CONNECTION SHALL BE EQUIPPED WITH PROTECTION CAP AND RETAINER CHAIN OR CABLE.
- FIRE DEPARTMENT FILL CONNECTION: SHALL BE ALUMINUM ADAPTER AND CONNECTION COMPONENTS MANUFACTURED BY FIRE END & CROKER CORPORATION, ELMSFORD, NEW YORK (800-759-3473) OR AN APPROVED EQUAL. THE FILL CONNECTION SHALL BE A K-BRITE ALUMINUM ADAPTER WITH 90 DEGREE STORZ NUT, FEMALE NATIONAL PIPE THREAD (NPT) OUTLET, FIGURE NO. 6371, SIZE: FNPT8 x 5STORZ, COLOR-GREEN.
- VENT ALUMINUM WELL CAP: SHALL BE A LOCKING TYPE CAP SECURED TO THE VENT RISER PIPING WITH A COVERED SET SCREW ASSEMBLY TO PREVENT UNAUTHORIZED REMOVAL. COLOR GREEN (SEE GENERAL NOTE 3).
- VENT OPENING SCREEN: SHALL BE A PLASTIC OR METAL SCREEN ASSEMBLY SECURED TO THE END OF THE VENT DOWN PIPE OPENING. COLOR GREEN (SEE GENERAL NOTE 3).
- ANTI-VORTEX PLATE: SHALL BE 24"x24"x1/4" STEEL PLATE BOLTED 6" OFF TANK FLOOR.
- STEEL BOLLARDS FOR DRY HYDRANT PROTECTION: SHALL BE TWO EACH - 4" DIAMETER STEEL PIPE AS MANUFACTURED BY DUMOR, INC., P.O. BOX 142 MIFFLINTOWN, PA 17059-0142. STEEL MEMBERS SHALL BE COATED W/ZINC RICH EPOXY THEN FINISHED W/POLYESTER POWDER COATING - RED.
- FIRE PROTECTION WATER STORAGE TANK BEDDING AND BACKFILL MATERIAL: SHALL CONFORM TO THE REQUIREMENTS OF THE TANK MANUFACTURER. MOST TANK MANUFACTURERS REQUIRE THAT BEDDING AND BACKFILL MATERIAL BE EITHER PEA GRAVEL OR CRUSHED STONE COARSE AGGREGATE CONFORMING TO THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. CERTAIN TANK MANUFACTURERS MAY ALLOW THE USE OF FINE AGGREGATE (SAND) BEDDING AND BACKFILL MATERIAL SUBJECT TO WRITTEN APPROVAL BY THE TANK MANUFACTURER.
- FINAL BACKFILL MATERIAL: PLACED ABOVE THE TOP OF THE FIRE PROTECTION WATER STORAGE TANK ELEVATION AND BACKFILL MATERIAL REQUIRED TO CONSTRUCT THE EMBANKMENT ASSOCIATED WITH THE FILL AND DRAFT PIPING SHALL BE FREE OF DEBRIS, ORGANIC MATERIAL, FROZEN SOIL AND STONES LARGER THAN SIX (6) INCHES.
- SUBMIT FOUR (4) COPIES OF SHOP DRAWINGS FOR THE FIRE PROTECTION WATER STORAGE TANK AND DRY HYDRANT ASSEMBLIES, TANK APPURTENANCES AND BACKFILL MATERIAL TO THE TOWN OF GREENWICH DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER IS REQUIRED PRIOR TO THE CISTERN BEING ORDERED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND FOR THE MAINTENANCE AND PROTECTION THEREOF. CONTACT "CALL BEFORE YOU DIG" (1-800-922-4455) PRIOR TO THE START OF WORK TO ESTABLISH AND HAVE MARKED ON THE GROUND THE LOCATION OF ALL UNDERGROUND UTILITIES. NOTIFY THE TOWN OF GREENWICH DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION IN THE EVENT THAT A UTILITY IS LOCATED OR IS UNCOVERED DURING THE PROGRESS OF THE WORK THAT IS NOT INDICATED ON, OR IS NOT IN ACCORDANCE WITH THE PROJECT SITE PLAN DRAWINGS FOR THE TANK INSTALLATION LOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION PROTECTIVE SYSTEMS INCLUDING SLOPING, BENCHING AND SUPPORT SYSTEMS IN CONFORMANCE WITH ALL APPLICABLE LAWS AND REGULATIONS INCLUDING THE UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) CFR TITLE 29 PART 1926-SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, SUBPART P-EXCAVATIONS, LATEST REVISION. THE CONTRACTOR SHALL SUBMIT EXCAVATION/PROTECTIVE PLAN WITH THE SHOP DRAWINGS SUBMISSION FOR REVIEW AND APPROVAL (SEE GENERAL NOTE 12).
- ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AS IT IS EXCAVATED. THERE WILL BE NO STOCKPIILING OF EXCAVATED MATERIAL AT THE PROJECT SITE.
- WHERE UNSUITABLE SUBGRADE SOILS ARE ENCOUNTERED WITHIN THE FIRE PROTECTION WATER STORAGE TANK EXCAVATION LIMITS, REMOVE ALL UNSUITABLE SUBGRADE SOILS AND BACKFILL THE RESULTING VOID(S) WITH BORROW BACKFILL MATERIAL.
- WHERE ROCK IS ENCOUNTERED WITHIN THE FIRE PROTECTION WATER STORAGE TANK EXCAVATION LIMITS, REMOVE ALL ROCK ABOVE THE VERTICAL EXCAVATION LIMIT AND WITHIN TWO (2) FEET OF THE NEAT LINES OF THE FIRE PROTECTION WATER STORAGE TANK.
- WASTEWATER FROM EXCAVATION DEWATERING OPERATIONS SHALL BE DISCHARGED TO A SEDIMENT TRAP OR FILTER ACCEPTABLE TO THE TOWN.
- PROTECT THE ADJACENT ROADWAY, DRIVEWAY, UTILITIES AND ALL EXISTING CONDITIONS AND FEATURES NOT INDICATED TO BE DISTURBED ON THE PROJECT SITE PLAN DRAWINGS FOR THE TANK INSTALLATION LOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC (SEE GENERAL NOTE 25 & 26).
- INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS IN CONFORMANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST REVISIONS.
- ESTABLISH TURF ON A SIX (6) INCH MINIMUM THICKNESS TOPSOIL LAYER PLACED OVER ALL DISTURBED AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AS IT IS EXCAVATED. THE CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCAVATED MATERIAL AT NO ADDITIONAL COST TO THE TOWN.
- FILL THE COMPLETED TANK TO ITS NOMINAL CAPACITY WITH WATER FROM A SOURCE APPROVED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE WITH TOWN FOR TESTING OF TANK AND PIPING SYSTEM PRIOR TO FINAL ACCEPTANCE.
- THE PROPOSED UNDERGROUND FIRE PROTECTION CISTERN IS TO BE INSTALLED IMMEDIATELY SOUTH OF AN EXISTING DRIVEWAY WHICH PROVIDES ACCESS TO A PRIVATE RESIDENCE AT #50 CUTLER ROAD. ACCESS TO THESE FACILITIES SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE DURING CONSTRUCTION. ANY DISRUPTION OF ACCESS SHALL BE KEPT TO A MINIMUM.
- ONCE THE CONTRACTOR SCHEDULES A DATE FOR A CRANE TO SET THE 10,000 GALLON TANK, THE CONTRACTOR MUST SCHEDULE UNIFORMED OFFICERS TO BE PRESENT FOR TRAFFIC CONTROL ON CUTLER ROAD. THIS MUST BE SCHEDULED AT LEAST 2 DAYS IN ADVANCE BY CALLING THE TOWN OF GREENWICH POLICE DEPARTMENT-TRAFFIC SECTION AT (203) 622-8015.
- WORK ON PRIVATE PROPERTY IS SUBJECT TO THE TERMS OF EASEMENT (G.L.R. BOOK 7426, PAGE 186) AND EASEMENT MAP (G.L.R. MAP NO. 9030) FILED WITH GREENWICH LAND RECORDS AND RIGHT-OF-ENTRY AGREEMENT ON FILE IN TOWN OF GREENWICH ENGINEERING DIVISION OFFICE.
- ALL WORK SHALL BE IN ACCORDANCE WITH ANY PERMIT OBTAINED FROM TOWN OF GREENWICH INLAND WETLANDS & WATERCOURSES AGENCY.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY HIGHWAY ROAD OPENING PERMITS AT NO COST TO THE TOWN.
- ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 22 STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION.



LIST OF DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE & GRADING PLANS
3	CROSS SECTIONS
4	CONSTRUCTION DETAILS
5	SOIL EROSION & SEDIMENT CONTROL DETAILS
6	SOIL BORING LOGS
7	EASEMENT MAP



OVERALL PLAN

SCALE: 1"=40'

SURVEY NOTES

- THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AS A ZONING LOCATION SURVEY THE BOUNDARY DETERMINATION CATEGORY OF WHICH IS A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2, VERTICAL ACCURACY CLASS 1-2.
- REFERENCE IS MADE TO BOOK 2122 AT PAGE 272 AND TO A CERTAIN MAP ENTITLED "MAP OF PROPERTY BELONGING TO YALE UNIVERSITY TO BE CONVEYED TO JOHN C. & VIVIAN WHELAN TOWN OF GREENWICH - FAIRFIELD CO. STATE OF CONNECTICUT SCALE 1" = 50'" FILED IN THE TOWN OF GREENWICH LAND RECORDS AS MAP NO. 2949.
- REFERENCE IS ALSO MADE TO A CERTAIN MAP ENTITLED "SUBDIVISION MAP OF PROPERTY PREPARED FOR YALE UNIVERSITY, TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, NEW YORK, AND TOWN OF GREENWICH, FAIRFIELD COUNTY, CONNECTICUT" PREPARED OCTOBER 10, 1952 AND FILED IN THE TOWN CLERK'S OFFICE OF THE TOWN OF GREENWICH AS MAP NO. 8627.
- REFERENCE IS ALSO MADE TO A CERTAIN MAP ENTITLED "LIMITED PROPERTY SURVEY & PROPERTY LINE AGREEMENT, PREPARED FOR MCB, L.L.C. & THOMAS & VIRGINIA DALY, 44 & 50 CUTLER ROAD, GREENWICH, CONNECTICUT" FILED IN THE TOWN CLERK'S OFFICE OF THE TOWN OF GREENWICH ON SEPTEMBER 25, 2012 AS MAP NO. 8621.
- PROPERTY SUBJECT TO ANY AND ALL PUBLIC OR PRIVATE RESTRICTIVE COVENANTS, DECLARATIONS AND/ OR EASEMENTS OF RECORD, IF ANY.
- THIS MAP IS BASED ON A FIELD SURVEY CONDUCTED BY AHNEMAN KIRBY, LLC ON FEBRUARY 13, 2018.
- UNDERGROUND UTILITIES, FACILITIES AND STRUCTURES ARE NOT SHOWN HEREON. THE LOCATIONS OF ANY UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ADDITIONALLY THERE ARE UNDERGROUND UTILITIES THE LOCATIONS OF WHICH ARE CURRENTLY UNKNOWN. ANY PARTY UTILIZING THE UTILITY INFORMATION AND DATA DEPICTED ON THIS SURVEY SHALL CONTACT THE "CALL BEFORE YOU DIG" PHONE NUMBER AT 800-922-4455 A MINIMUM OF FORTY EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES TO VERIFY THE LOCATION OF ANY AND ALL UNDERGROUND UTILITIES.
- DIMENSIONS SHOWN FROM STRUCTURES TO PROPERTY LINES ARE NOT INTENDED TO BE USED FOR CONSTRUCTION OF FENCES, STRUCTURES OR OTHER SITE IMPROVEMENTS.
- ELEVATIONS AND CONTOURS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- SUBJECT PROPERTY IS LOCATED WITHIN ZONE A (NO BASE FLOOD ELEVATION) AND AREA OF MINIMAL FLOOD HAZARD ZONE X AS DENOTED AND DEPICTED ON THE CURRENT FAIRFIELD COUNTY CONNECTICUT FEMA FLOOD RATE INSURANCE MAP, TOWN OF GREENWICH, COMMUNITY NUMBER 090008, PANEL 477 OF 626, MAP NUMBER 09001C0477F, WITH AN EFFECTIVE DATE OF JUNE 18, 2010.
- WETLAND FLAGS DEPICTED HEREON WERE IDENTIFIED AND FLAGGED BY PAUL J. JAEHNIG OF WETLANDS AND SOILS CONSULTING ON APRIL 24, 2018.

DEPUTY COMMISSIONER OF PUBLIC WORKS

JAMES W. MICHEL, P.E.

DATE: 9/13/18

COMMISSIONER OF PUBLIC WORKS

AMY J. SIEBERT, P.E.

DATE: 13 SEPT 2018

FIRE MARSHAL

CHRISTOPHER J. PRATICO

DATE: 9/17/18



DEPARTMENT OF
PUBLIC WORKS
ENGINEERING DIVISION

101 FIELD POINT ROAD
GREENWICH, CONNECTICUT 06830
TELEPHONE: 203-622-7767
FACSIMILE: 203-622-7747

SCALE
AS NOTED

DATE
SEPTEMBER 2018

SURVEYED BY
AHNEMAN KIRBY, LLC

DESIGNED BY
JMK

DRAWN BY
JMK

CHECKED BY
JWM

**FIRE PROTECTION
CISTERN AT 50
CUTLER ROAD**

DESCRIPTION

DATE

NO.

PROJECT NUMBER

17-15

PLAN TITLE

TITLE SHEET

SHEET NUMBER

1 OF 7



Know what's below.
Call before you dig.
www.cbyd.com



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

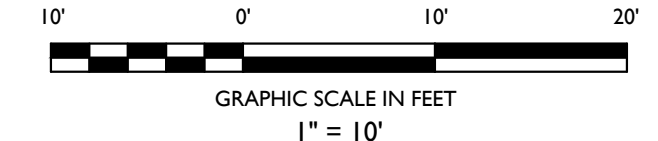
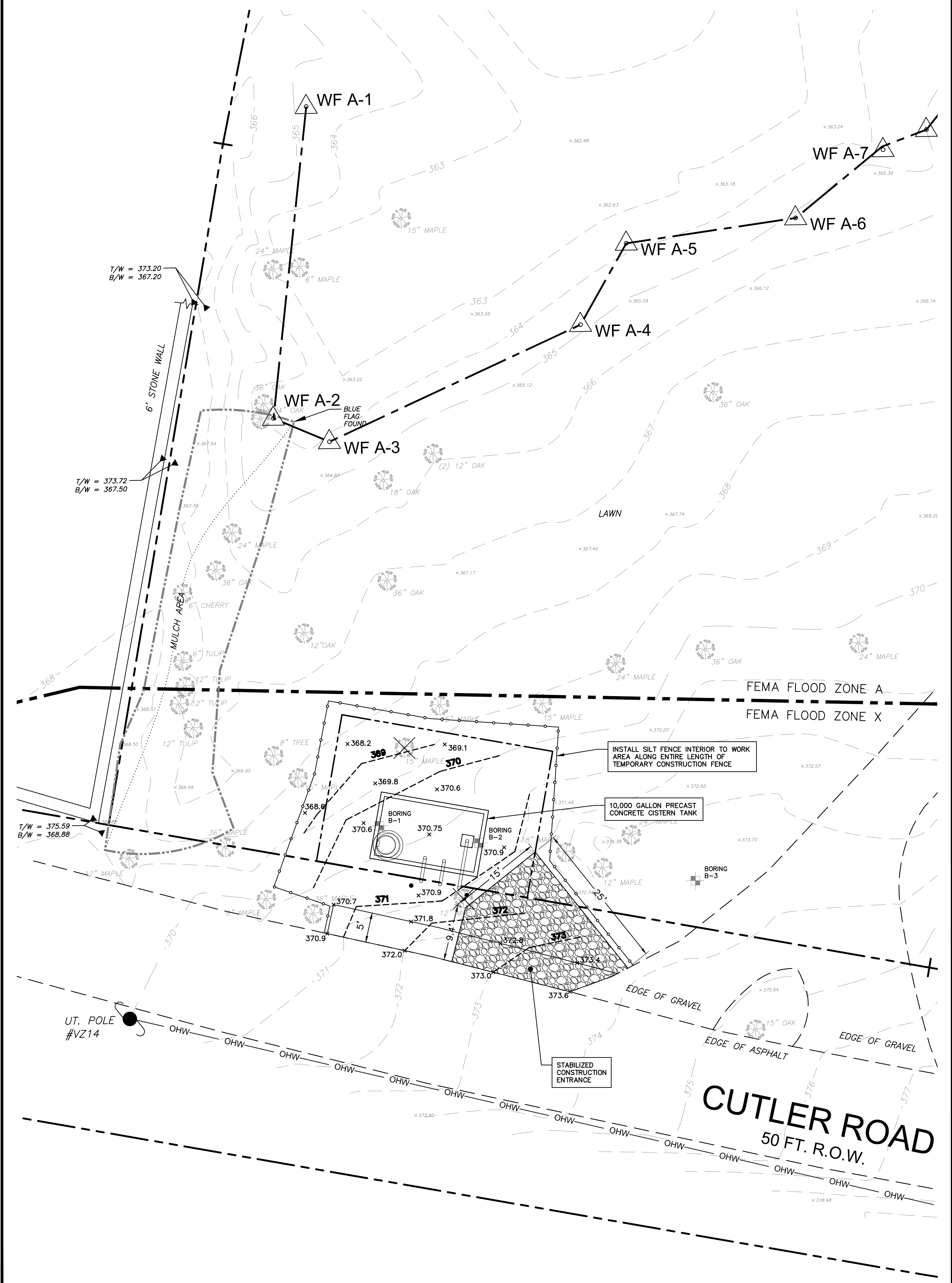
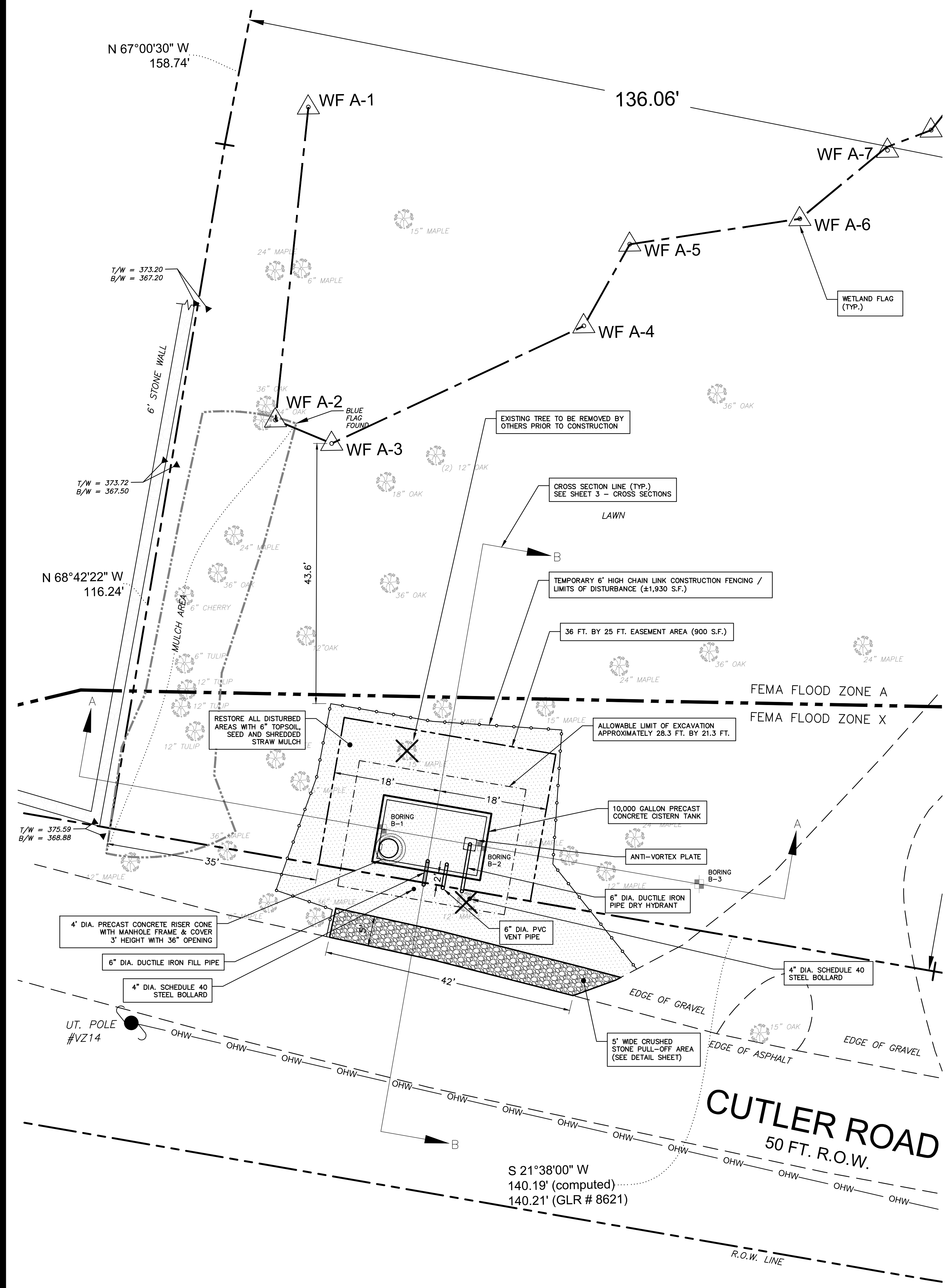
101 FIELD POINT ROAD
GREENWICH, CONNECTICUT 06830
TELEPHONE: 203-622-7767
FACSIMILE: 203-622-7747

SCALE AS NOTED
DATE SEPTEMBER 2018
SURVEYED BY AHNEMAN KIRBY, LLC
DESIGNED BY JMK
DRAWN BY JMK
CHECKED BY JWM

FIRE PROTECTION CISTERN AT 50 CUTLER ROAD

NO.	DESCRIPTION

PROJECT NUMBER	17-15
PLAN TITLE	SITE & GRADING PLANS
SHEET NUMBER	2 OF 7



SITE PLAN
SCALE: 1"=10'

GRADING PLAN
SCALE: 1"=10'



DEPARTMENT OF
PUBLIC WORKS
ENGINEERING DIVISION

101 FIELD POINT ROAD
GREENWICH, CONNECTICUT 06830
TELEPHONE: 203-622-7767
FACSIMILE: 203-622-7747

SCALE
AS NOTED
DATE
SEPTEMBER 2018
SURVEYED BY
AHNEMAN KIRBY, LLC
DESIGNED BY
JMK
DRAWN BY
JMK
CHECKED BY
JWM

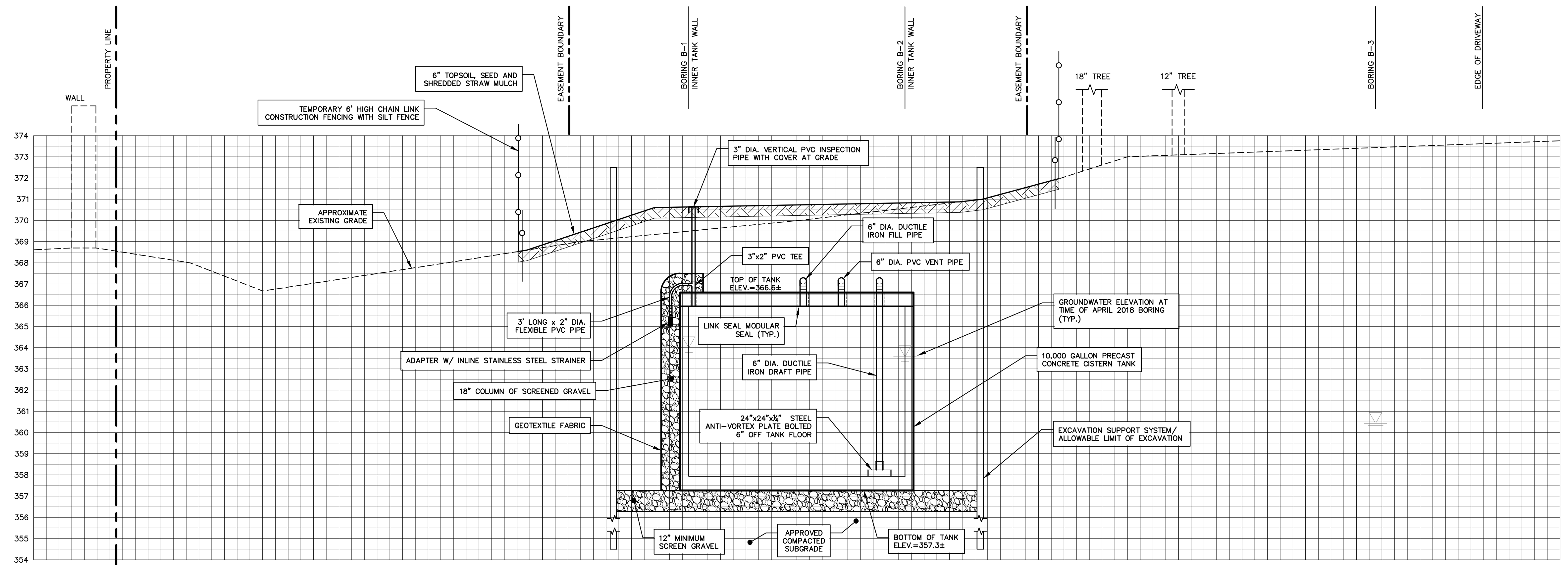
FIRE PROTECTION
CISTERN AT 50
CUTLER ROAD

NO.	DATE	DESCRIPTION

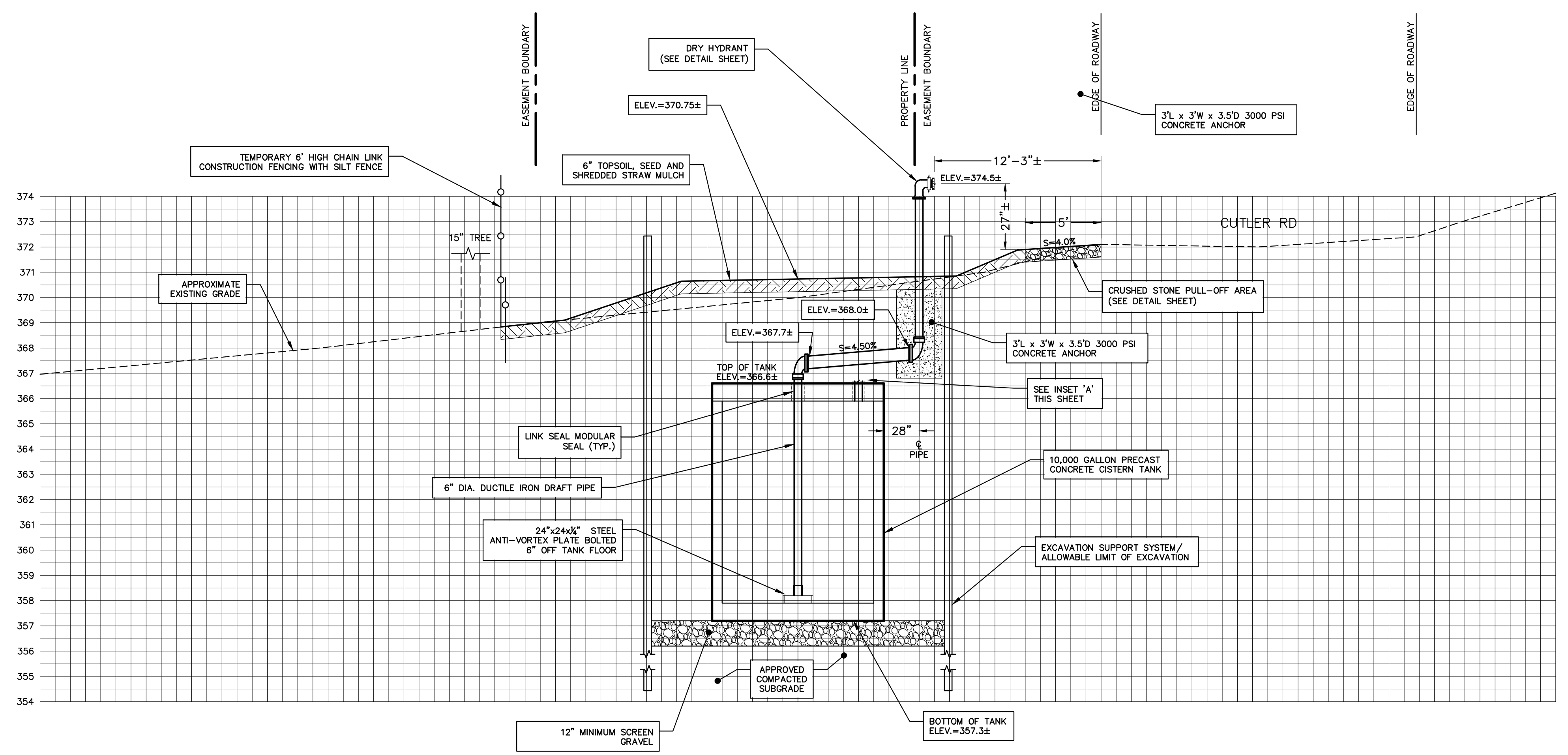
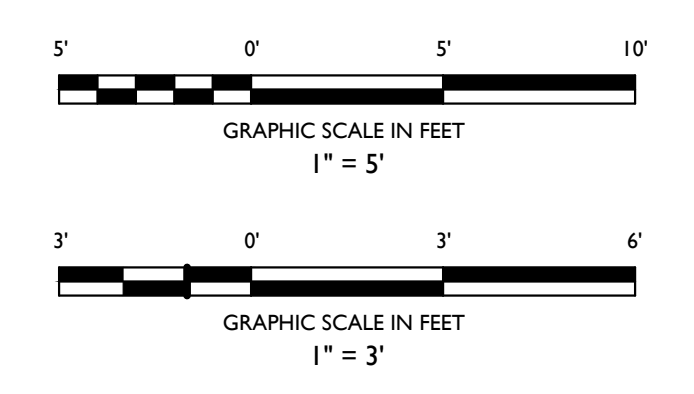
PROJECT NUMBER
17-15

PLAN TITLE
CROSS SECTIONS

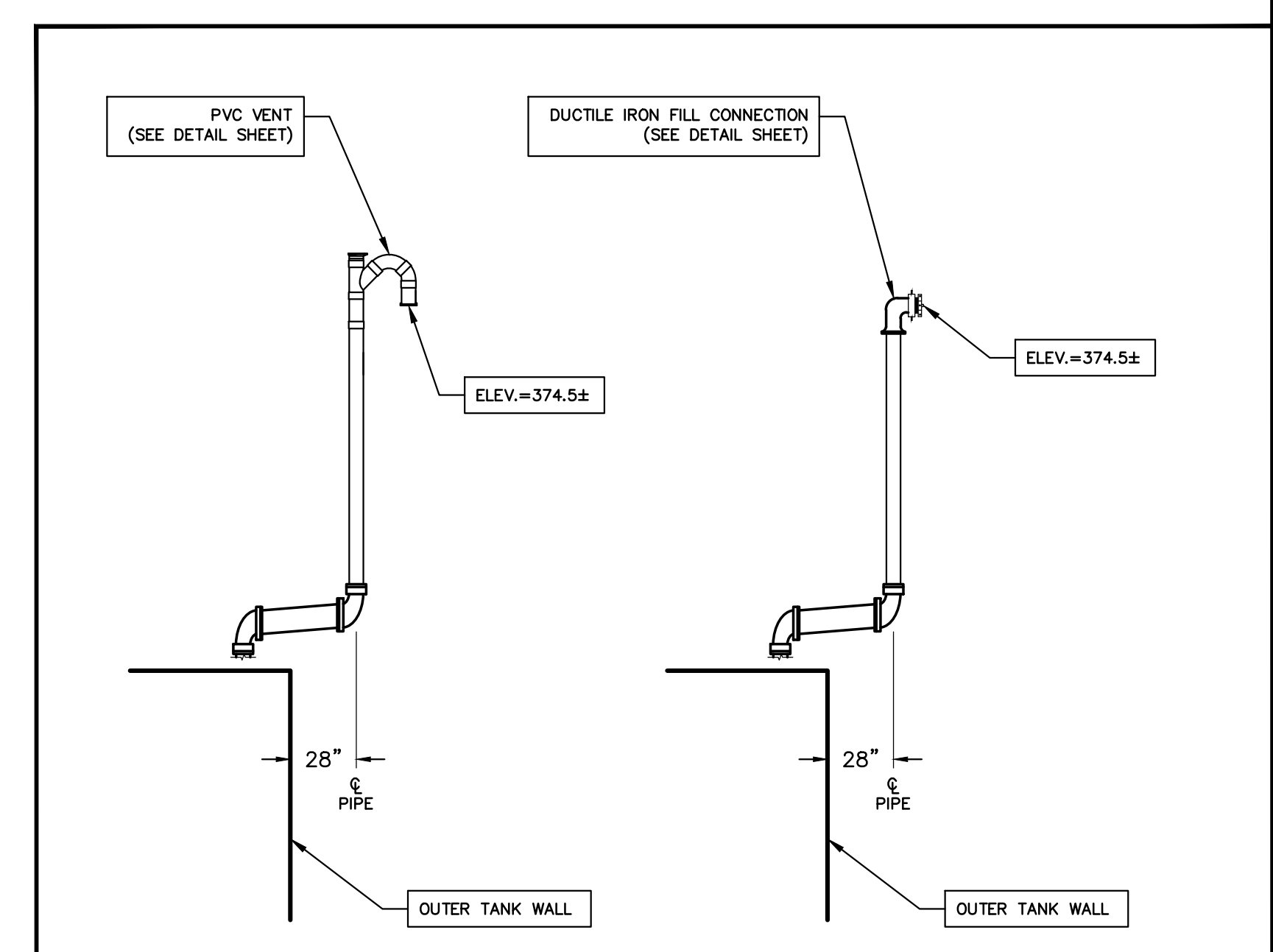
SHEET NUMBER
3 OF 7



SECTION A-A
SCALE
1"=5' HORIZONTAL
1"=3' VERTICAL



SECTION B-B
SCALE
1"=5' HORIZONTAL
1"=3' VERTICAL



INSET 'A'



SCALE
AS NOTED

DATE

SEPTEMBER 2018

SURVEYED BY

AHNEMAN KIRBY, LLC

DESIGNED BY

JMK

DRAWN BY

JMK

CHECKED BY

JWM

FIRE PROTECTION
CISTERN AT 50
CUTLER ROAD

DESCRIPTION

DATE

NO.

PROJECT NUMBER

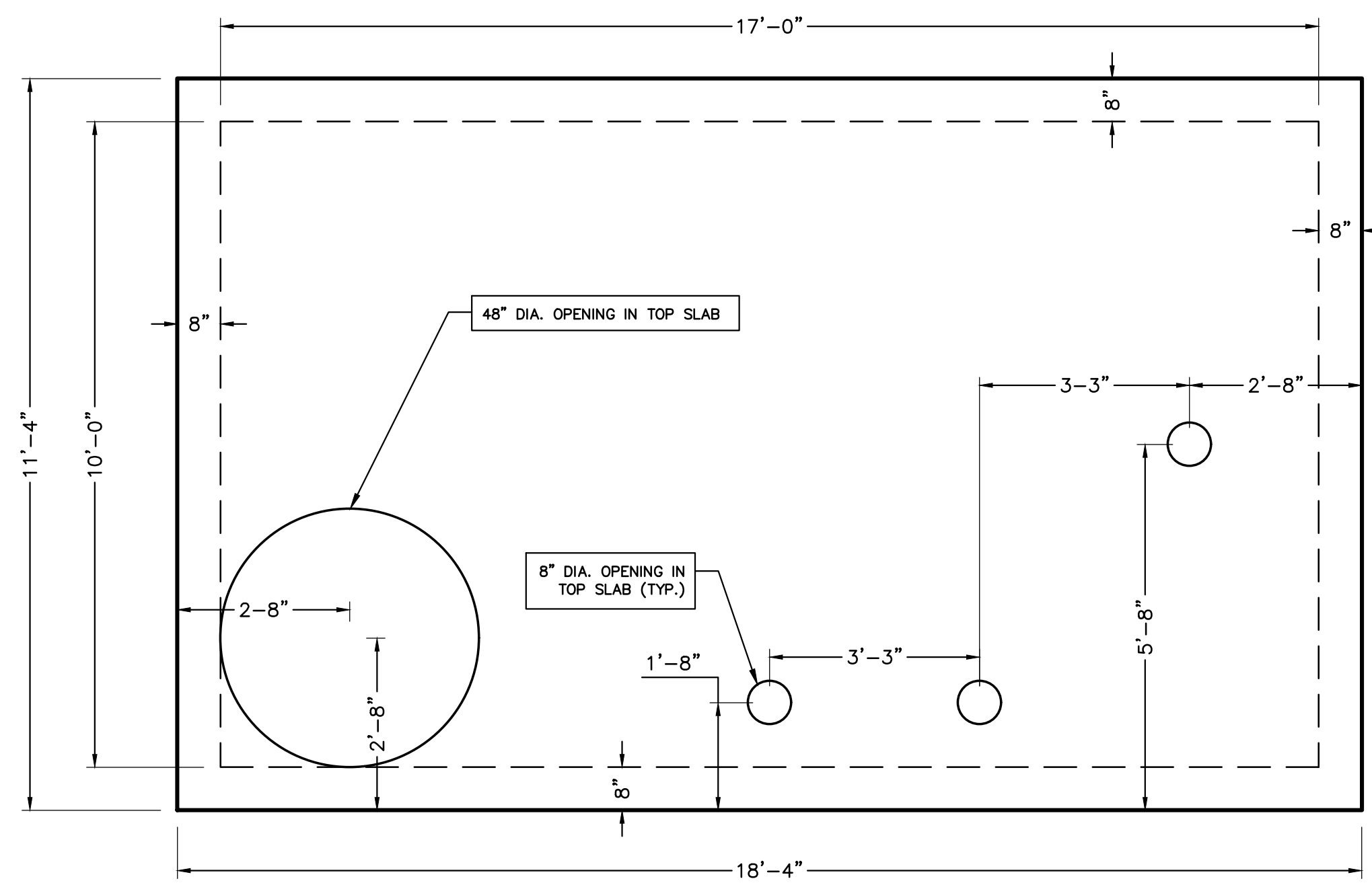
17-15

PLAN TITLE

CONSTRUCTION
DETAILS

SHEET NUMBER

4 OF 7



PLAN VIEW
NOT TO SCALE

FRAME AND COVER SHALL BE EQUAL TO PATTERN NO. 1224A AS MANUFACTURED BY CAMPBELL FOUNDRY COMPANY, HARRISON, N.J. AND SHALL BE MADE IN U.S.A. (SEE CISTERN TANK NOTE 3)

ADJUST TO REQUIRED GRADE WITH MINIMUM TWO COURSES OF BRICK, MASONRY OR REINFORCED CONCRETE GRADE RINGS

PRECAST CONCRETE RISER CONE

11'-4" x 18'-4" TOP SLAB

5" MIN.

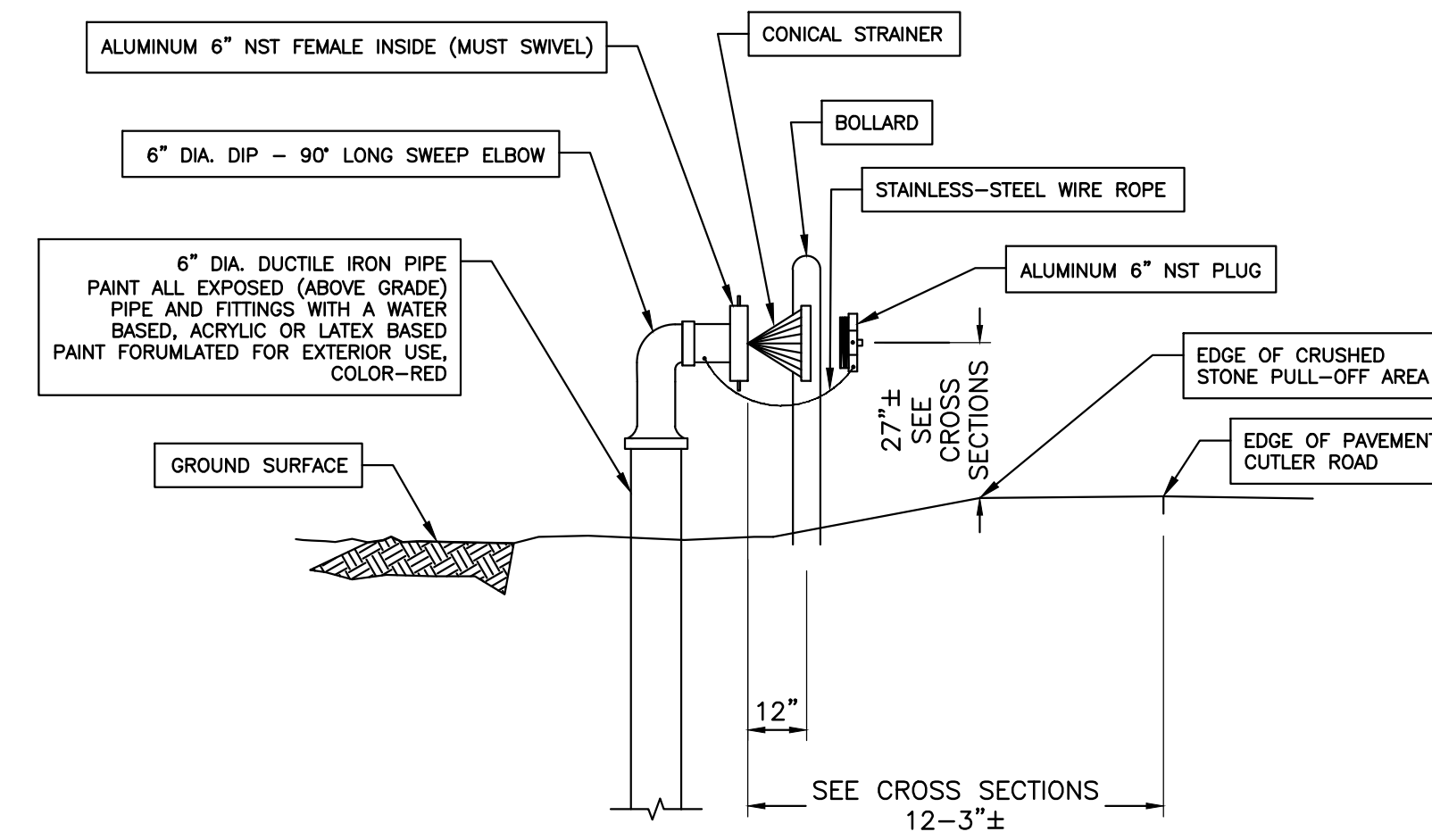
STEPS SHALL BE EQUAL TO PATTERN NO. 2593 AS MANUFACTURED BY CAMPBELL FOUNDRY COMPANY, HARRISON, N.J. (ALIGN VERTICALLY)

PRECAST CONCRETE TANK INSIDE DIMENSIONS: 17'-0" L x 10'-0" W x 8'-0" H

ELEVATION VIEW
NOT TO SCALE

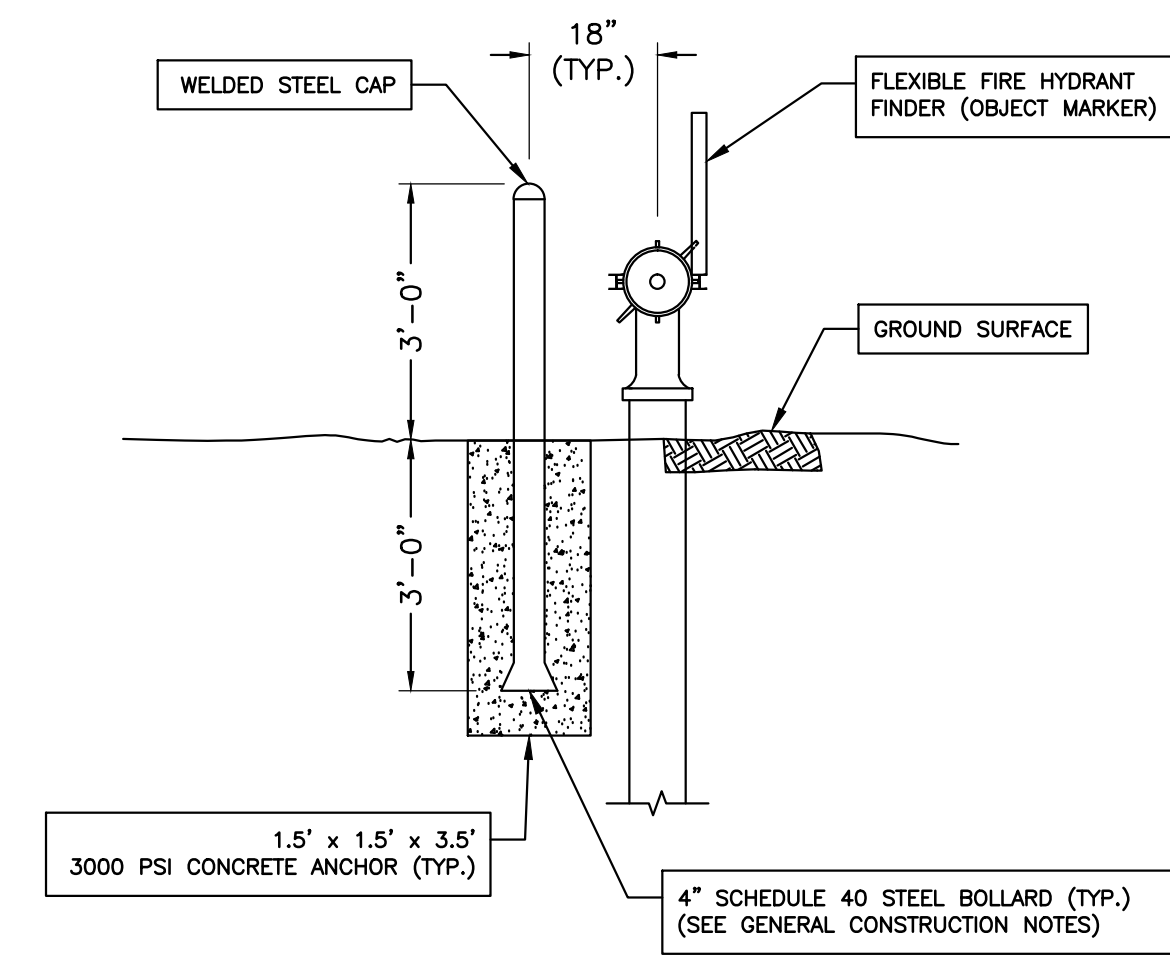
CISTERN TANK NOTES

1. PRECAST CONCRETE CISTERN TANK, TOP SLAB AND RISER CONE SHALL BE MANUFACTURED BY UNITED CONCRETE PRODUCTS INC., YALESVILLE, CT OR APPROVED EQUAL.
2. MANHOLE FRAME AND COVER SHALL BE MANUFACTURED BY CAMPBELL FOUNDRY COMPANY, HARRISON, N.J. OR APPROVED EQUAL.
3. MANHOLE COVER SHALL HAVE THE LETTERS "CISTERN" CAST ON THE COVER.
4. CONTRACTOR SHALL SUBMIT FOR APPROVAL STRUCTURAL CALCULATIONS RELATED TO CONCRETE TANK, TOP SLAB AND RISER CONE, SIGNED AND SEALED BY LICENSED A PROFESSIONAL ENGINEER, WITH SHOP DRAWING SUBMITTAL.
5. CONTRACTOR SHALL SUBMIT FOR APPROVAL CONCRETE TANK AND RISER BUOYANCY CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.
6. CONCRETE TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF NFPA 22 - STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION.
7. TANK DESIGN SHALL CONFORM TO LATEST ASTM DESIGNATION C913.
8. JOINT SEALANT SHALL BE BUTYL RUBBER MASTIC TYPE SEAL IN CONFORMANCE WITH LATEST AASHTO SPECIFICATION M-198 AND FEDERAL SPECIFICATION SS-S-0021 (210-A).
9. REINFORCING STEEL DEFORMED BARS SHALL CONFORM TO LATEST ASTM SPECIFICATION A615.
10. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000 PSI AT 28 DAYS.
11. METHOD OF TANK MANUFACTURING SHALL BE WET CAST WEIGHT CHART.



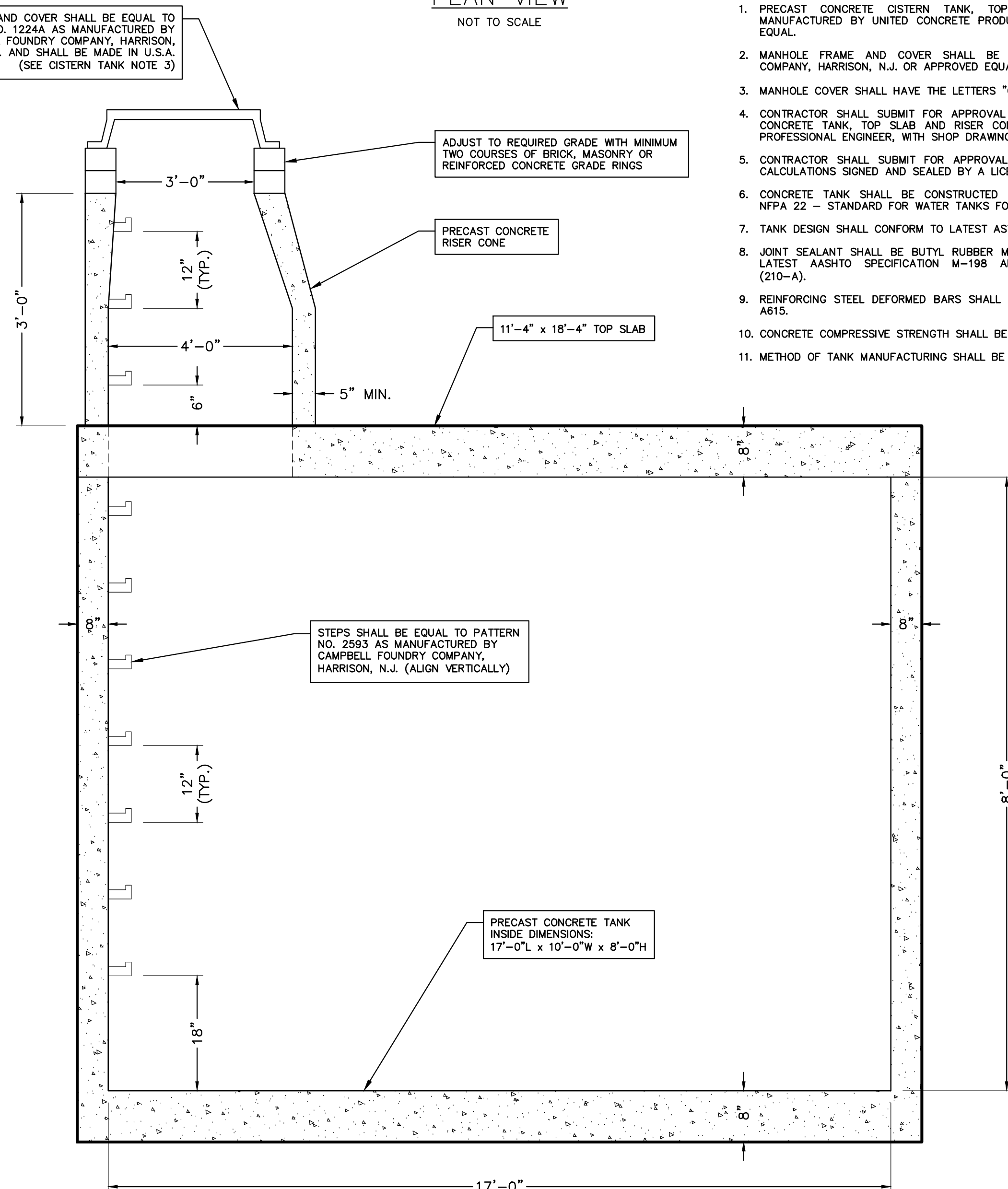
DRY HYDRANT - STANDARD MOUNTING

NOT TO SCALE

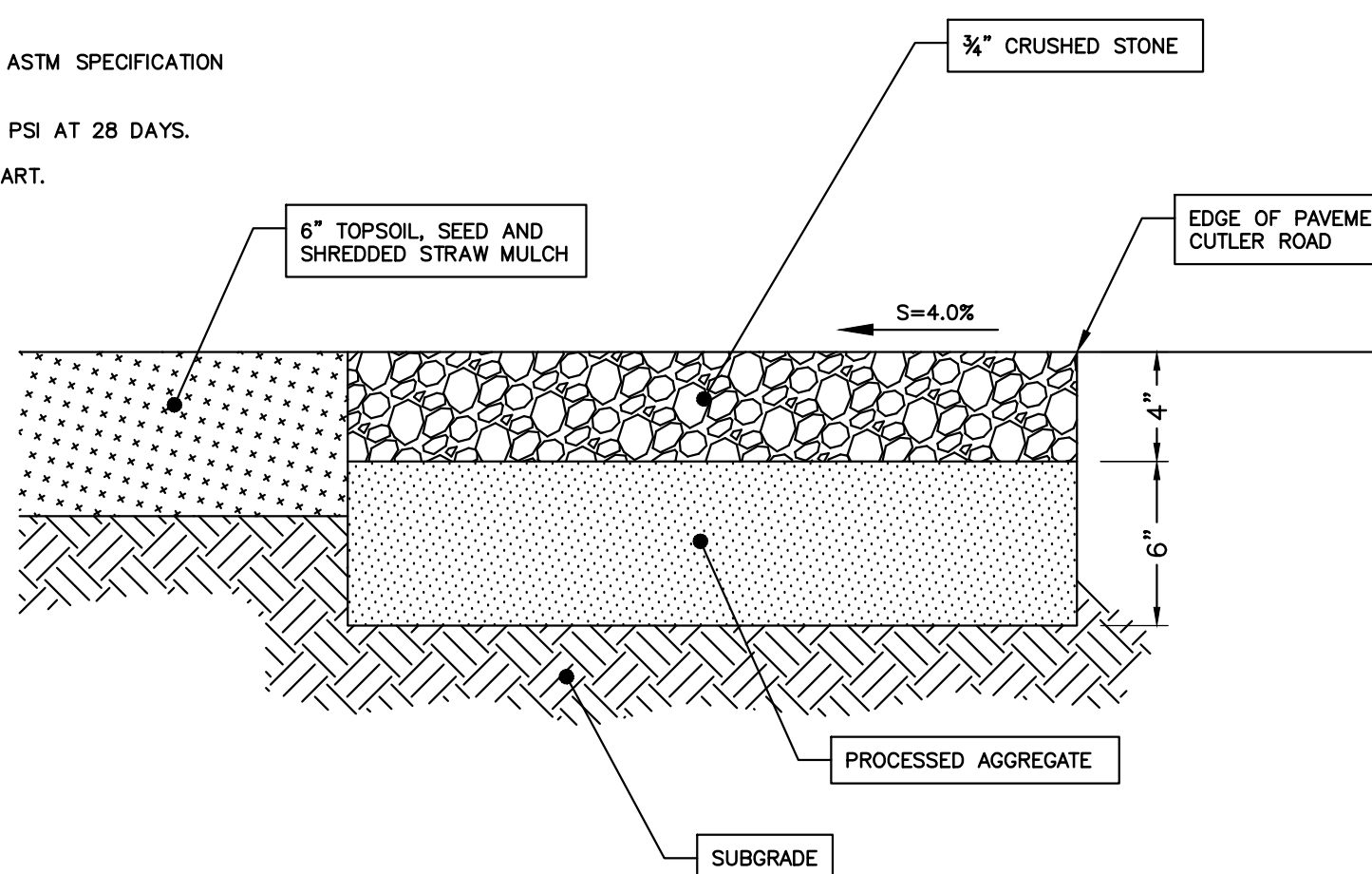


DRY HYDRANT - TYPICAL ELEVATION

NOT TO SCALE

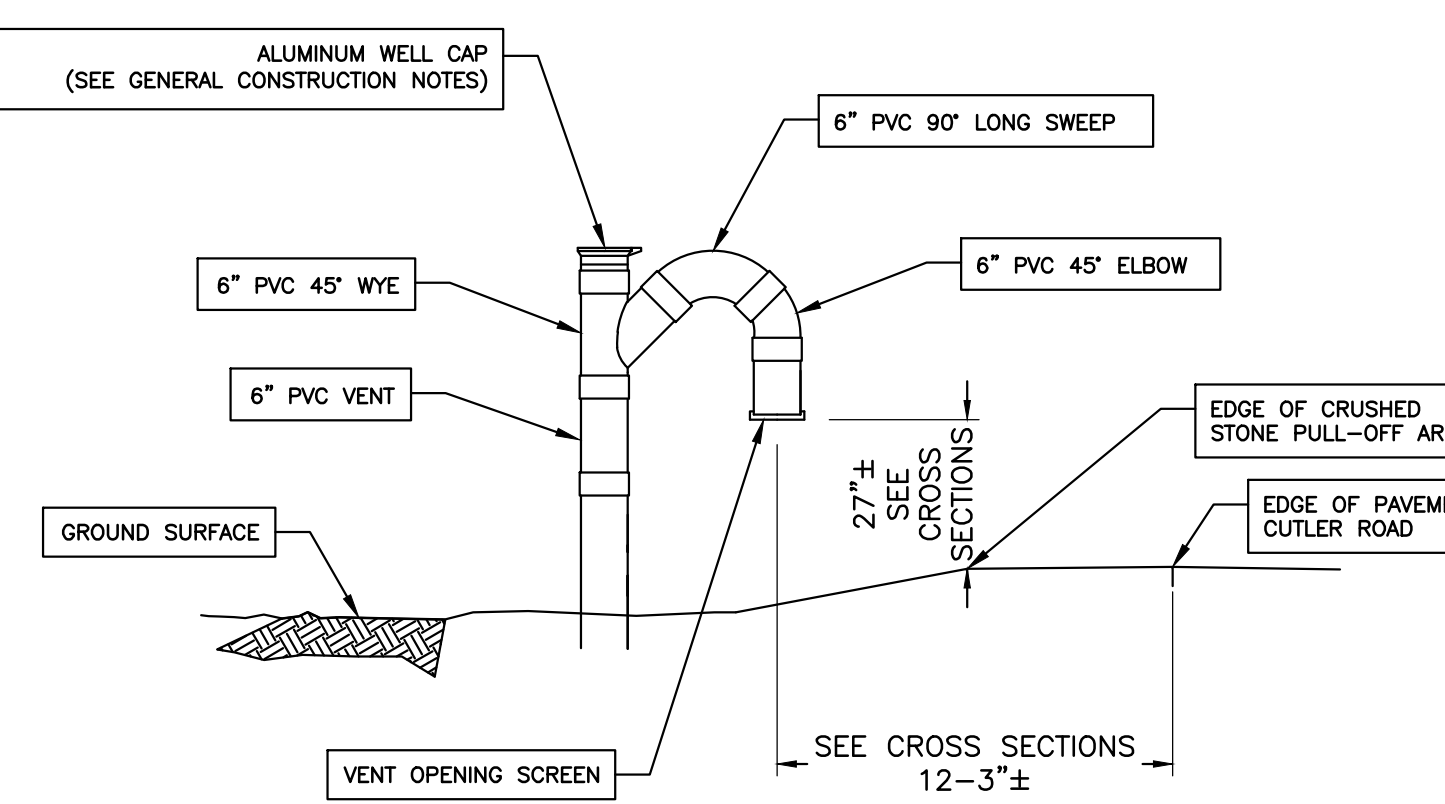


ELEVATION VIEW
NOT TO SCALE



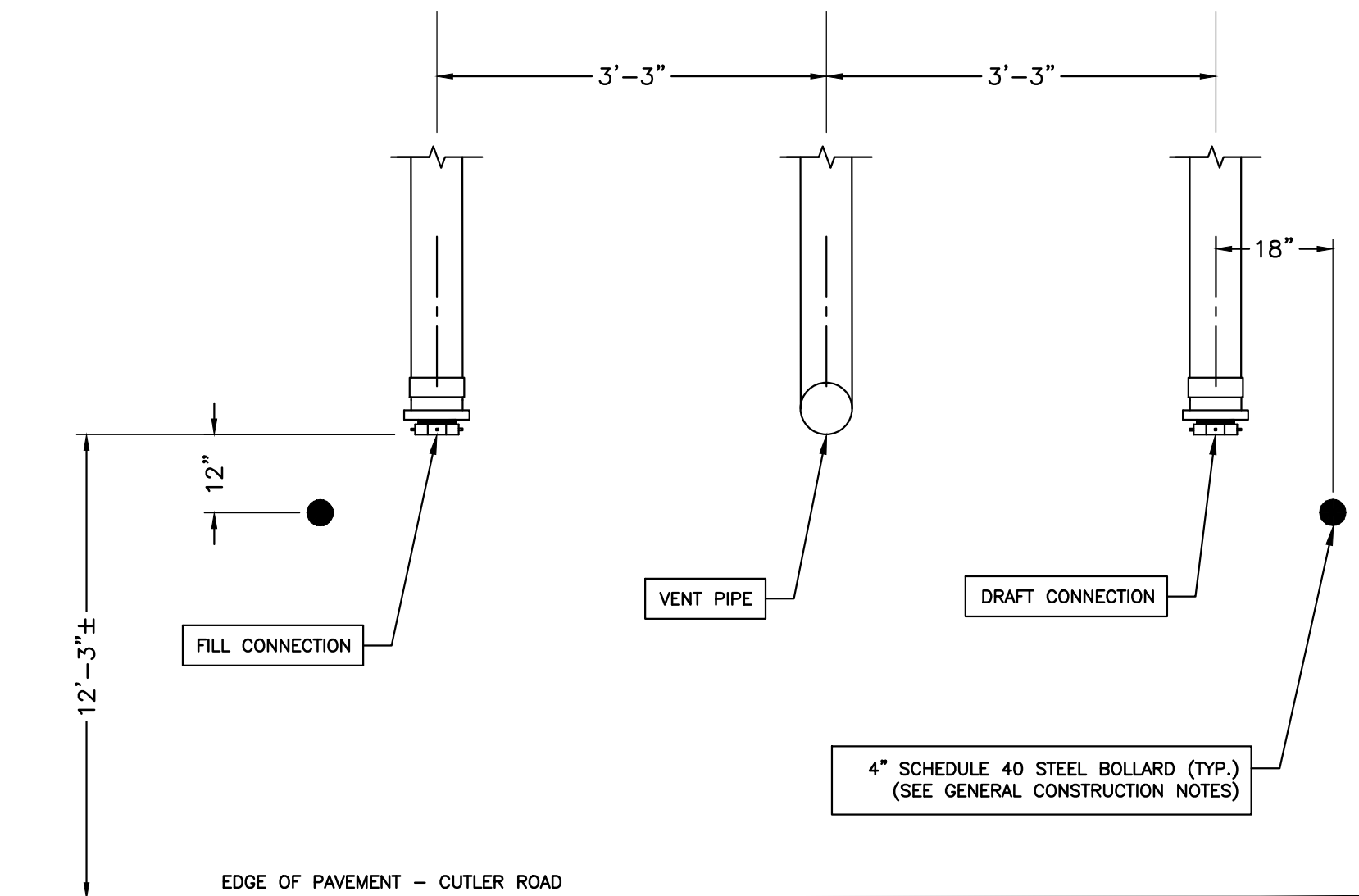
CRUSHED STONE PULL-OFF AREA

NOT TO SCALE



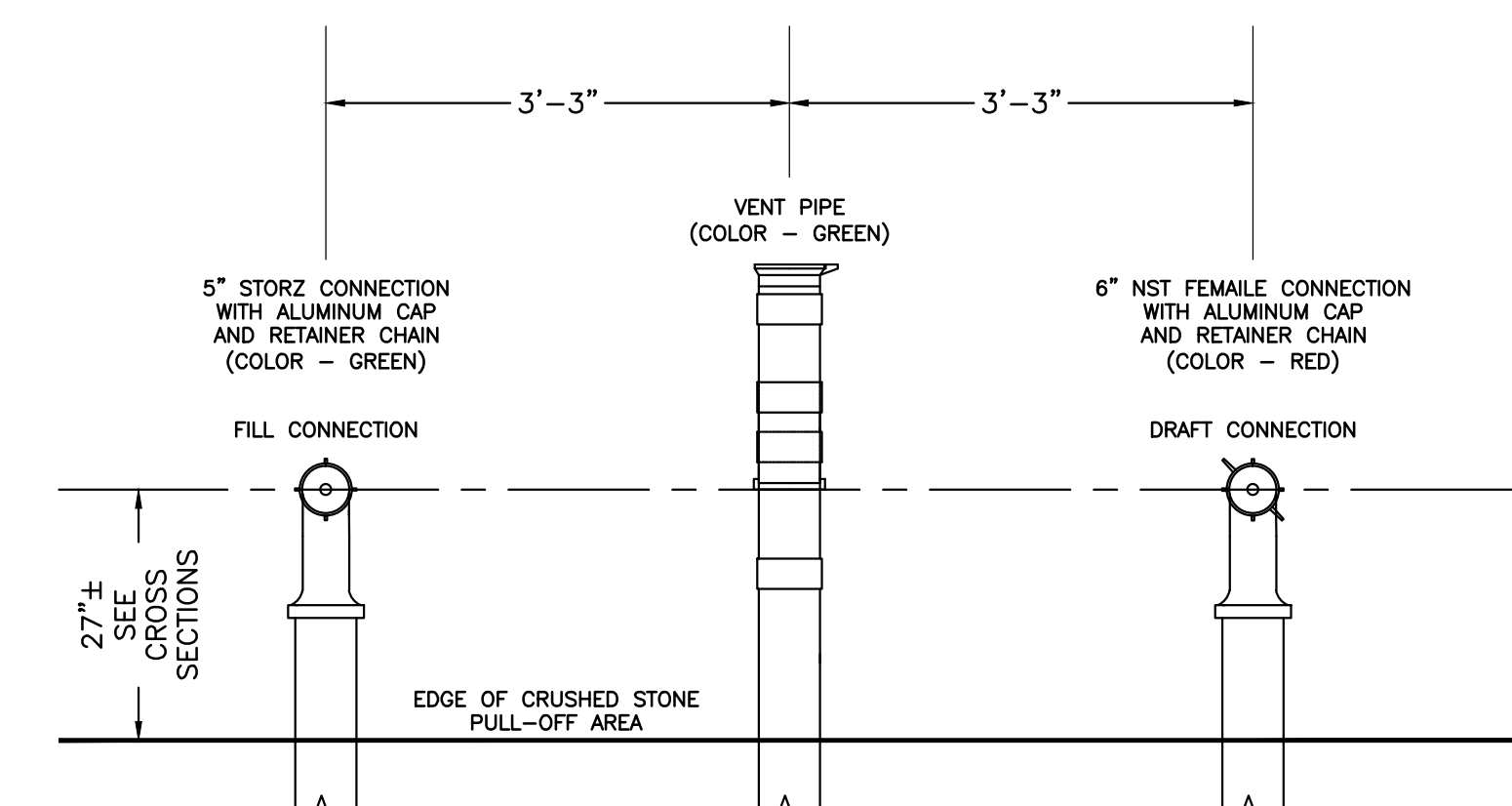
PVC VENT ELEVATION

NOT TO SCALE



PLAN VIEW
NOT TO SCALE

NOTE
SEE GENERAL CONSTRUCTION NOTES FOR PAINTED PIPE SURFACE REQUIREMENTS



ELEVATION VIEW
NOT TO SCALE

FIRE DEPARTMENT PIPE CONNECTION ASSEMBLY

10,000 GALLON PRECAST CONCRETE CISTERN TANK



DEPARTMENT OF
PUBLIC WORKS
ENGINEERING DIVISION

101 FIELD POINT ROAD
GREENWICH, CONNECTICUT 06830
TELEPHONE: 203-622-7767
FACSIMILE: 203-622-7747



SCALE
AS NOTED

DATE
SEPTEMBER 2018

SURVEYED BY
AHNEMAN KIRBY, LLC

DESIGNED BY
JMK

DRAWN BY
JMK

CHECKED BY
JWM

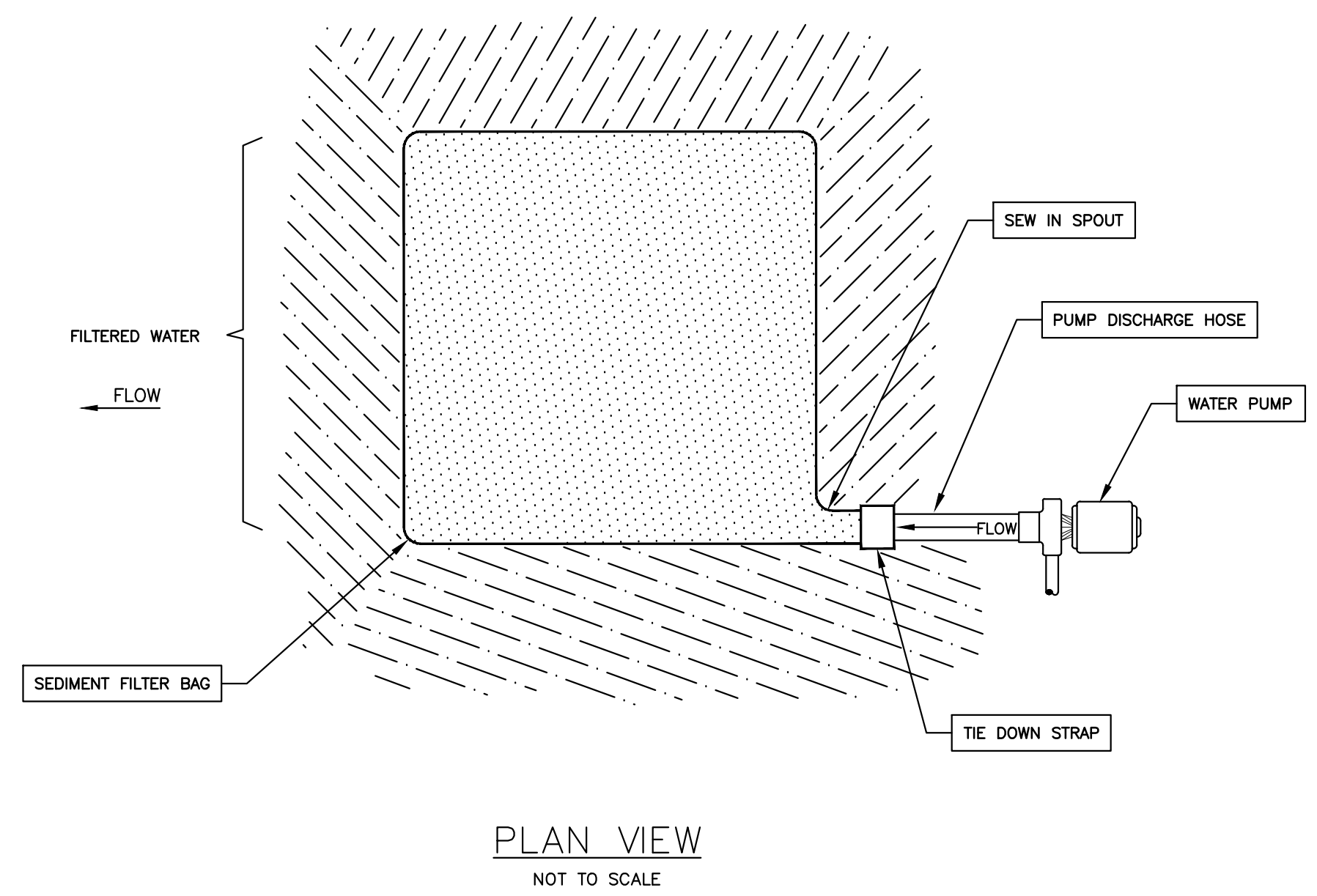
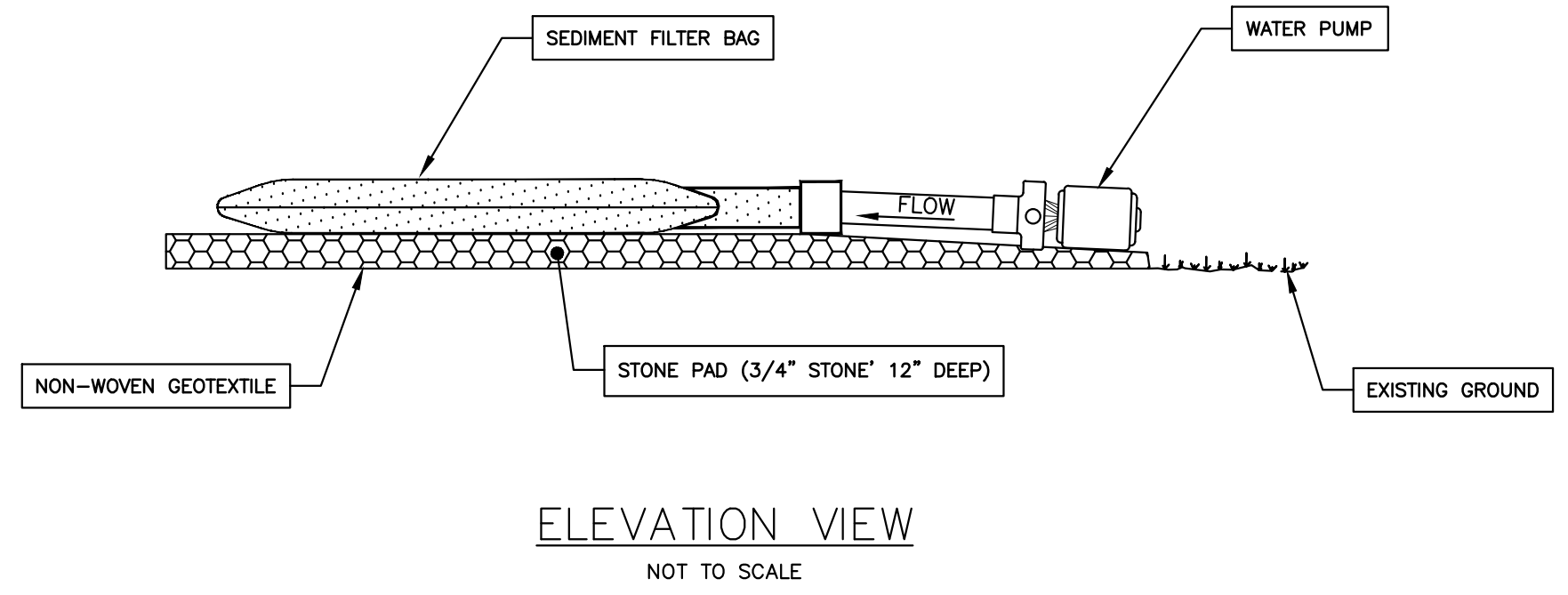
FIRE PROTECTION
CISTERN AT 50
CUTLER ROAD

NO.	DATE	DESCRIPTION

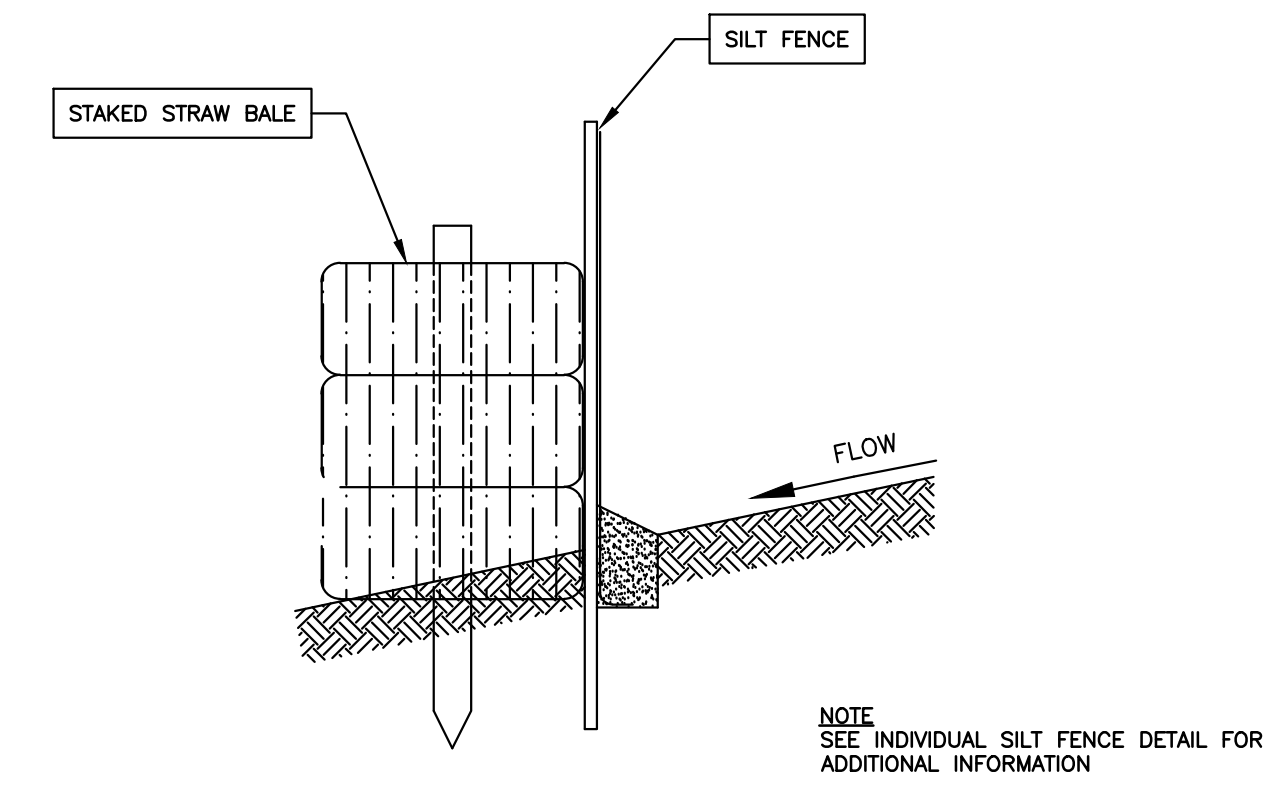
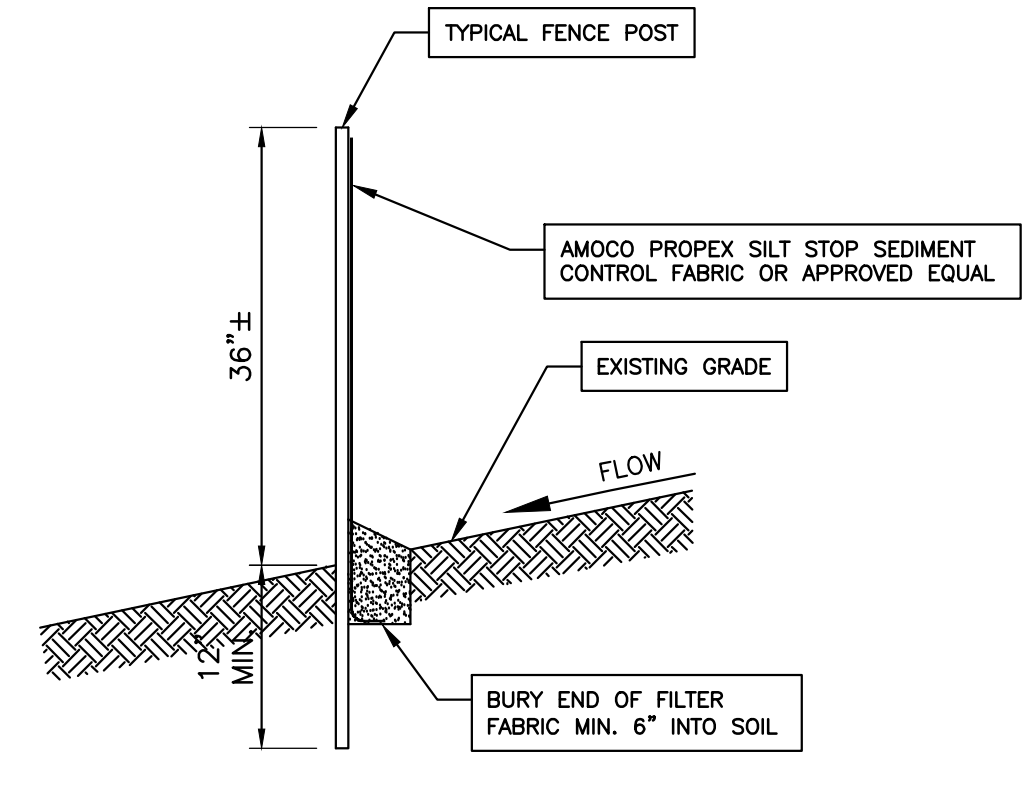
PROJECT NUMBER
17-15

PLAN TITLE
SOIL EROSION &
SEDIMENT CONTROL
DETAILS

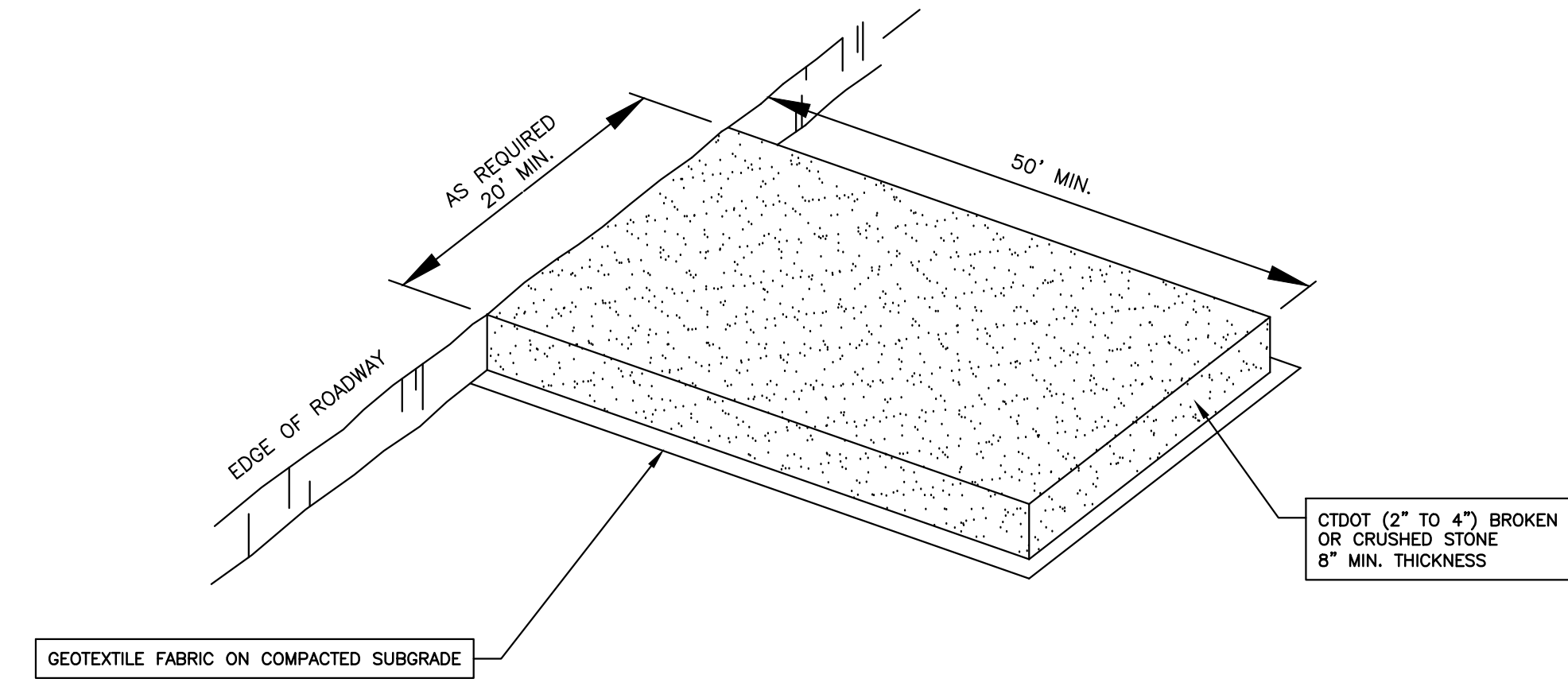
SHEET NUMBER
5 OF 7



SEDIMENT FILTER BAG INSTALLATION



NOTE
SEE INDIVIDUAL SILT FENCE DETAIL FOR
ADDITIONAL INFORMATION



STABILIZED CONSTRUCTION ENTRANCE



DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION

101 FIELD POINT ROAD GREENWICH, CONNECTICUT 06830 TELEPHONE: 203-622-7767 FACSIMILE: 203-622-7747

SCALE AS NOTED DATE SEPTEMBER 2018 SURVEYED BY AHNEMAN KIRBY, LLC DESIGNED BY JMK DRAWN BY JMK CHECKED BY JWM

FIRE PROTECTION CISTERN AT 50 CUTLER ROAD

DESCRIPTION

DATE

NO.

PROJECT NUMBER 17-15

PLAN TITLE SOIL BORING LOGS

SHEET NUMBER 6 OF 7

SOILTESTING, INC. SHEET 1 OF 1 HOLE NO. B-1. Includes project details, inspector info, and a detailed soil boring log table with columns for depth, casing, sample type, and soil remarks.

SOILTESTING, INC. SHEET 1 OF 1 HOLE NO. B-2. Includes project details, inspector info, and a detailed soil boring log table with columns for depth, casing, sample type, and soil remarks.

SOILTESTING, INC. SHEET 1 OF 1 HOLE NO. B-3. Includes project details, inspector info, and a detailed soil boring log table with columns for depth, casing, sample type, and soil remarks.

