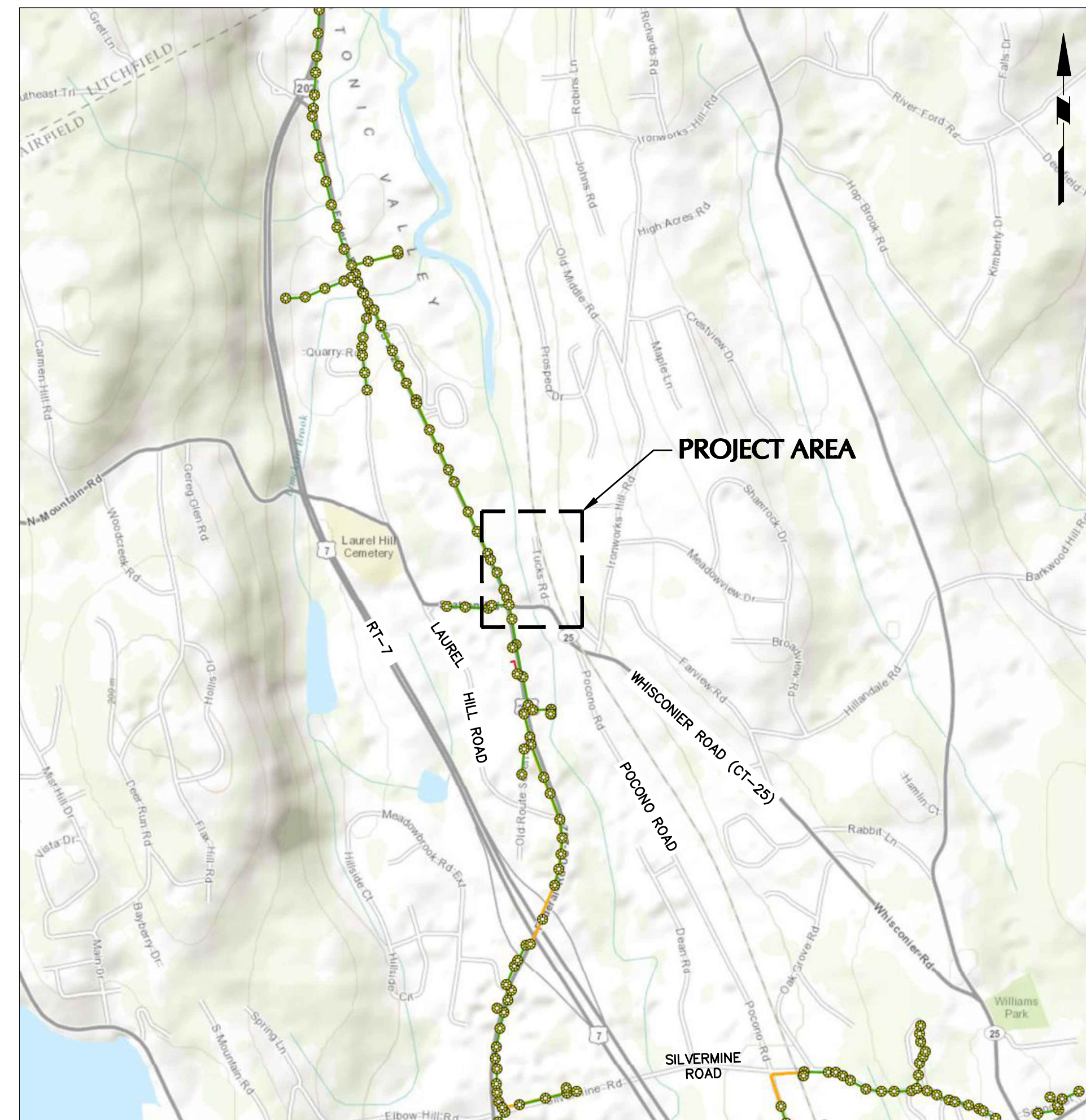


TOWN OF BROOKFIELD, CONNECTICUT WATER POLLUTION CONTROL AUTHORITY

BROOKFIELD MARKET SEWER MAIN EXTENSION

CONTRACT 2022 - 01



LOCATION MAP

N.T.S.

DRAWING LIST

CIVIL DRAWINGS - ISSUED FOR BID 11/11/2022				KEYSTONE ELECTRICAL DRAWINGS - ISSUED FOR BID 11/11/2022			
SHEET NO.	PAGE NO.	DRAWING TITLE	REVISION DATE	SHEET NO.	PAGE NO.	DRAWING TITLE	REVISION DATE
CU001	1 OF 9	COVER SHEET	10/28/2022	E-101	1 OF 4	ELECTRICAL SITE PLAN (1 OF 2)	11/11/2022
CU101	2 OF 9	UTILITY PLAN (1 OF 2)	10/28/2022	E-102	2 OF 4	ELECTRICAL SITE PLAN (2 OF 2)	11/11/2022
CU102	3 OF 9	UTILITY PLAN (2 OF 2)	10/28/2022	E-501	3 OF 4	ELECTRICAL SCHEDULE, DETAILS AND DIAGRAMS	11/11/2022
CE101	4 OF 9	EROSION & SEDIMENT CONTROL PLAN (1 OF 2)	10/28/2022	E-601	4 OF 4	SINGLE LINE DIAGRAM	11/11/2022
CE102	5 OF 9	EROSION & SEDIMENT CONTROL PLAN (2 OF 2)	10/28/2022				
CS501	6 OF 9	DETAILS (1 OF 4)					
CS502	7 OF 9	DETAILS (2 OF 4)					
CS503	8 OF 9	DETAILS (3 OF 4)					
CS504	9 OF 9	DETAILS (4 OF 4)					

Date	Description	No.
11/11/22	ISSUED FOR BID	1.
REVISIONS		

SIGNATURE _____ DATE SIGNED _____
 W. CHARLES UTSCHIG JR.
 PROFESSIONAL ENGINEER CT Lic. No. 0019262

LANGAN
 Langan CT, Inc.

One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
COVER SHEET

Project No.
190011055
 Date
JANUARY 27, 2022
 Drawn By
AW
 Checked By
JK
 Drawing No.
CU001
 Sheet 1 of 9

LANEAM PROJECT NO. #####

LEGEND

- PROPERTY LINE
- SANITARY EASEMENT LINE
- SAWCUT LINE
- FM FORCEMAIN
- GRAVITY SEWER LINE
- S SEWER LATERAL
- E ELECTRIC CONDUIT
- CLEANOUT
- MANHOLE/PUMP STATION
- FORCEMAIN MANHOLE
- VALVE
- TREE REMOVAL
- PAVEMENT RESTORATION
- CONCRETE SIDEWALK/ DRIVEWAY RESTORATION
- CONCRETE ENCASEMENT

CTDOT NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) PERMIT FOR THE PROPOSED IMPROVEMENTS INCLUDING THE REQUIRED TEST PITS.
- CONTRACTOR SHALL BACKFILL AND REPAIR PAVEMENT SECTION IN ACCORDANCE WITH CTDOT REQUIREMENTS.
- INSTALL TRAFFIC CONTROL MEASURES ALONG WHISCONIER ROAD IN ACCORDANCE WITH CTDOT REQUIREMENTS.
- CONTRACTOR SHALL CONTACT CTDOT AT LEAST TWO DAYS PRIOR TO THE START OF CONSTRUCTION SO THAT CTDOT MAY INSPECT AND MONITOR THE MAINTENANCE AND PROTECTION OF TRAFFIC.
- CONTRACTOR SHALL RETAIN THE SERVICES OF A UTILITY LOCATOR AND SURVEY LOCATE ALL UNDERGROUND UTILITIES WITHIN THE CONTRACT LIMIT LINE PRIOR TO THE START OF CONSTRUCTION. ANY DEVIATION IN THE LOCATION OF UNDERGROUND UTILITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

GENERAL NOTES

- BASEMAP INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY CGA, LLC DATED OCTOBER 22, 2021 AND OCTOBER 27, 2021.
- THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER AND ENGINEER MAKE NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY INFORMATION THAT WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS, AND, RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PERFORM ADDITIONAL TOPOGRAPHIC SURVEYS HE/SHE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
- THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF THREE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
- INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.
- THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
- CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.
- THE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR OR CONSTRUCTION MANAGER SHALL CONTACT THE OWNERS OF ALL UTILITIES AFFECTING THE SITE PRIOR TO THE START OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATION OF UTILITIES FROM THE OWNERS PRIOR TO CONSTRUCTION. UNDERGROUND UTILITIES CALL CENTER OF CONNECTICUT (800)-922-4455.
- THE CONTRACTOR SHALL PROCURE ALL REQUIRED PERMITS (INCLUDING BUT NOT LIMITED TO CTDOT), LICENSES, AND INSPECTIONS, PAY ALL CHARGES AND FEES AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL COMPLETION OF THE WORK.
- ALL WORK WITHIN THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) RIGHT OF WAY SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE "STANDARD DETAILS" AND RULES AND REGULATIONS.

GENERAL NOTES (CONTINUED)

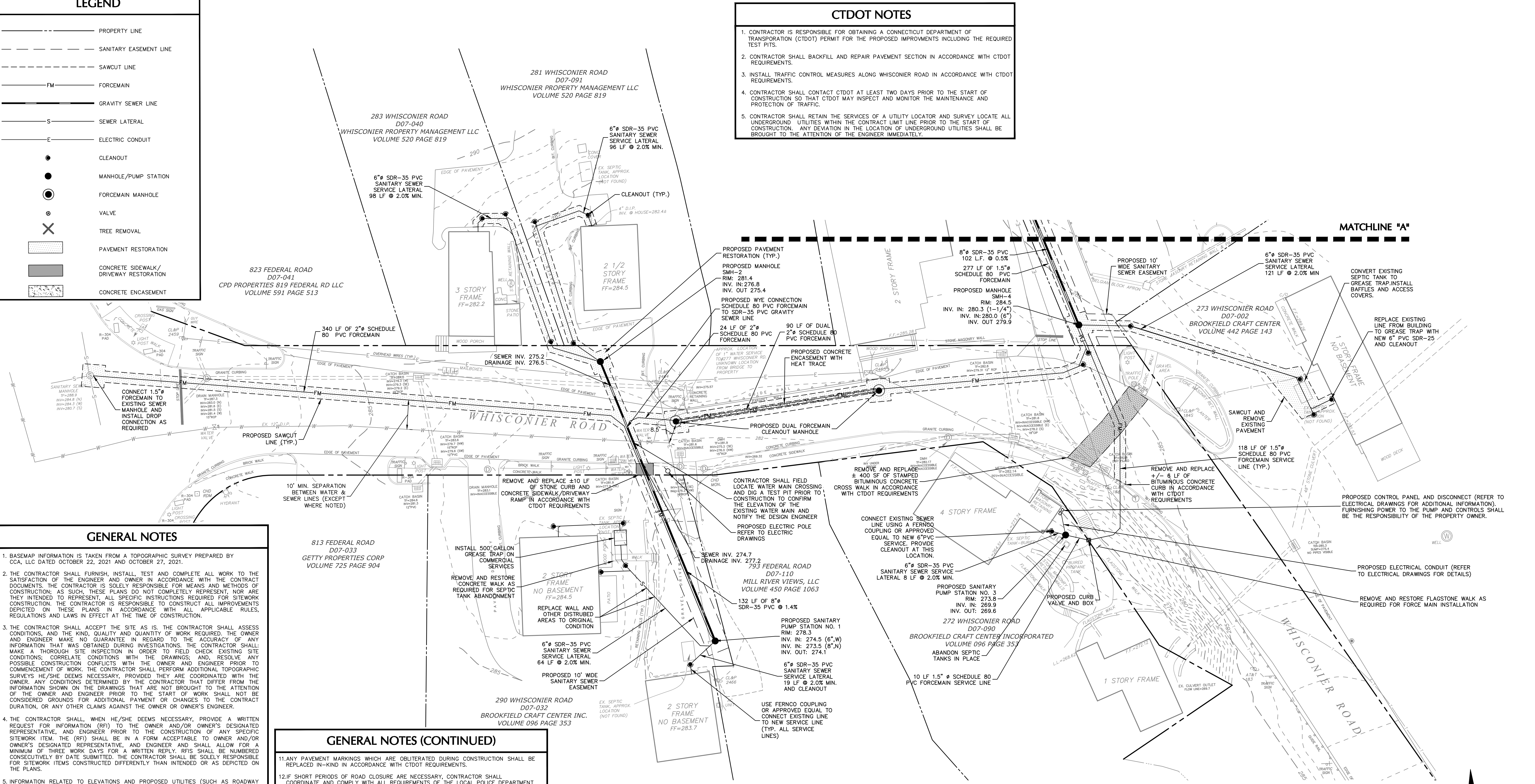
- ANY PAVEMENT MARKINGS WHICH ARE OBLITERATED DURING CONSTRUCTION SHALL BE REPLACED IN-KIND IN ACCORDANCE WITH CTDOT REQUIREMENTS.
- IF SHORT PERIODS OF ROAD CLOSURE ARE NECESSARY, CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL REQUIREMENTS OF THE LOCAL POLICE DEPARTMENT AND CTDOT. A MAINTENANCE AND PROTECTION OF TRAFFIC PLAN SIGNED AND SEALED BY A CONNECTICUT PROFESSIONAL ENGINEER SHALL BE PROVIDED DURING THE SHOP DRAWING SUBMITTAL PHASE. ALL COST FOR MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- THE CONTRACTOR WILL MAINTAIN THE FLOW OF ALL SANITARY SEWERS AT ALL TIMES BY A MEANS ACCEPTABLE TO THE ENGINEER AND ALL THE RESPONSIBLE AGENCIES.
- THE CONTRACTOR IS TO STRICTLY ADHERE TO ALL OF THE RULES AND REGULATIONS OF THE BROOKFIELD WPCA. IF THERE IS A CONFLICT BETWEEN SAID RULES AND REGULATIONS AND THE CONTRACT DOCUMENTS, THE RULES AND REGULATIONS SHALL GOVERN.

FORCEMAIN TESTING NOTES

- PRESSURE PIPE FOR FORCE MAINS SHALL BE TESTED FOR LEAKAGE BY THE CONTRACTOR. THE DURATION OF EACH TEST SHALL BE NOT LESS THAN 4 HOURS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FACILITIES, WATER, BULKHEADS, APPARATUS AND ALL REQUIRED LABOR THEREFORE.
- FORCE MAINS SHALL BE TESTED UNDER A CONSTANT HYDROSTATIC PRESSURE OF 75 PSI. LEAKAGE IN FORCE MAINS SHALL NOT EXCEED 2-1/2 GPH PER INCH OF INTERNAL DIAMETER PER MILE OF PIPE.
- ALL VISUAL LEAKS SHALL BE MADE TIGHT. TESTS SHALL BE REPEATED UNTIL THE RESULTS ARE SATISFACTORY.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER FIVE (5) DAYS IN ADVANCE OF THE TIME THE TEST IS TO BE MADE. NO TEST SHALL BE ACCEPTED UNLESS WITNESSED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

NOTES:

- PUMP STATIONS 1 AND 7 SHALL BE DUPLEX STATIONS OWNED AND MAINTAINED BY THE BROOKFIELD WPCA.
- PUMP STATIONS 3,8,9 SHALL BE SIMPLEX STATIONS PRIVATELY OWNED BY EACH LOT OWNER.
- PRIOR TO THE START OF WORK THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERT OF ALL EXISTING SANITARY SEWER LINES AT EACH BUILDING LOCATION. THIS INFORMATION SHALL BE PROVIDED TO THE WPCA TO VALIDATE ALL DESIGN ASSUMPTIONS.
- ANY DISTURBED AREAS, WALLS, WALKS, PAVEMENT, GRAVEL DRIVES ETC. SHALL BE REPLACED IN KIND TO MATCH ORIGINAL CONDITIONS.
- 3' OUTSIDE ALL BUILDINGS, CONNECT EXISTING SERVICE TO PROPOSED SERVICE WITH A FERNOCO COUPLING OR APPROVED EQUAL. BID SHALL INCLUDE ALL WORK REQUIRED TO MAKE THIS CONNECTION.



Date	Description	No.
11/11/22	ISSUED FOR BID	1.
REVISIONS		

SIGNATURE: W. CHARLES UTSCHIG JR.
PROFESSIONAL ENGINEER CT Lic. No. 0019262

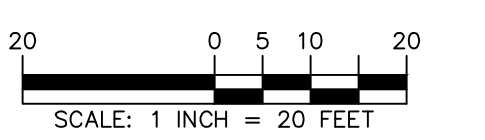
LANGAN

LANGAN CT, INC.
One North Broadway, Suite 910
White Plains, NY 10601
T: 914.323.7400 F: 914.323.7401 www.langan.com

Project: **BROOKFIELD MARKET**
TOWN OF BROOKFIELD
FAIRFIELD COUNTY CONNECTICUT

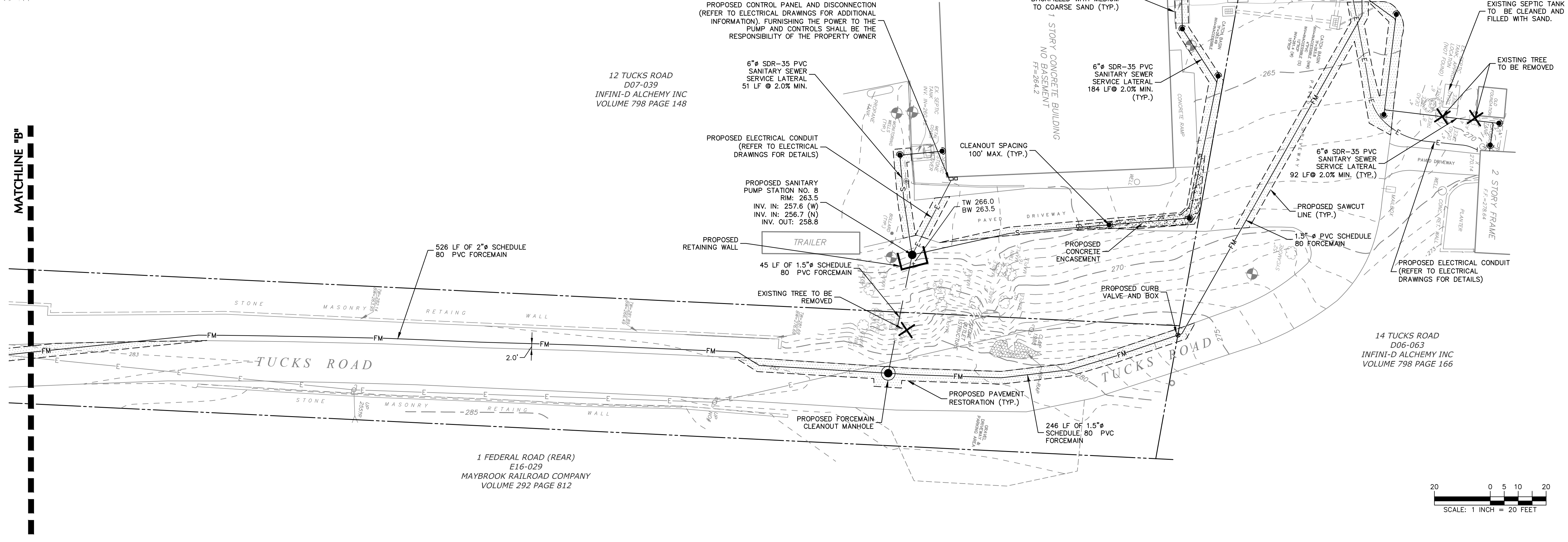
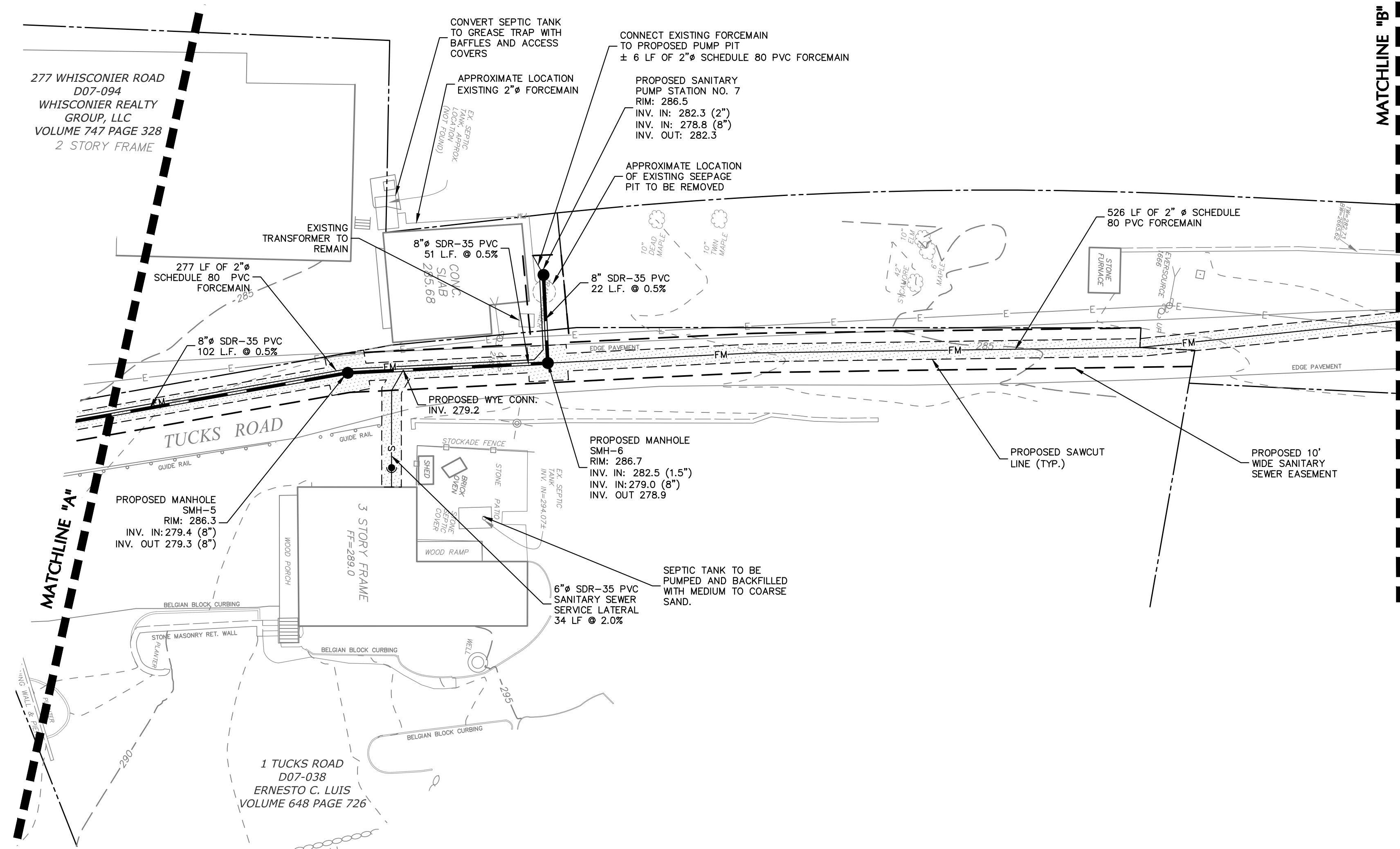
Drawing Title: **UTILITY PLAN (1 OF 2)**

Project No. **190011055**
Date: **JANUARY 27, 2022**
Drawn By: **AW**
Checked By: **JK**
Drawing No. **CU101**
Sheet **2** of **9**



LEGEND

	PROPERTY LINE
	SANITARY EASEMENT LINE
	SAWCUT LINE
	FORCEMAIN
	GRAVITY SEWER LINE
	SEWER LATERAL
	ELECTRIC CONDUIT
	CLEANOUT
	MANHOLE/PUMP STATION
	FORCEMAIN MANHOLE
	VALVE
	TREE REMOVAL
	PAVEMENT RESTORATION
	CONCRETE SIDEWALK/DRIVEWAY RESTORATION
	CONCRETE ENCASUREMENT



Date	Description	No.
11/11/22	ISSUED FOR BID	1.
REVISIONS		

SIGNATURE _____ DATE SIGNED _____
 W. CHARLES UTSCHIG JR.
 PROFESSIONAL ENGINEER CT Lic. No. 0019262

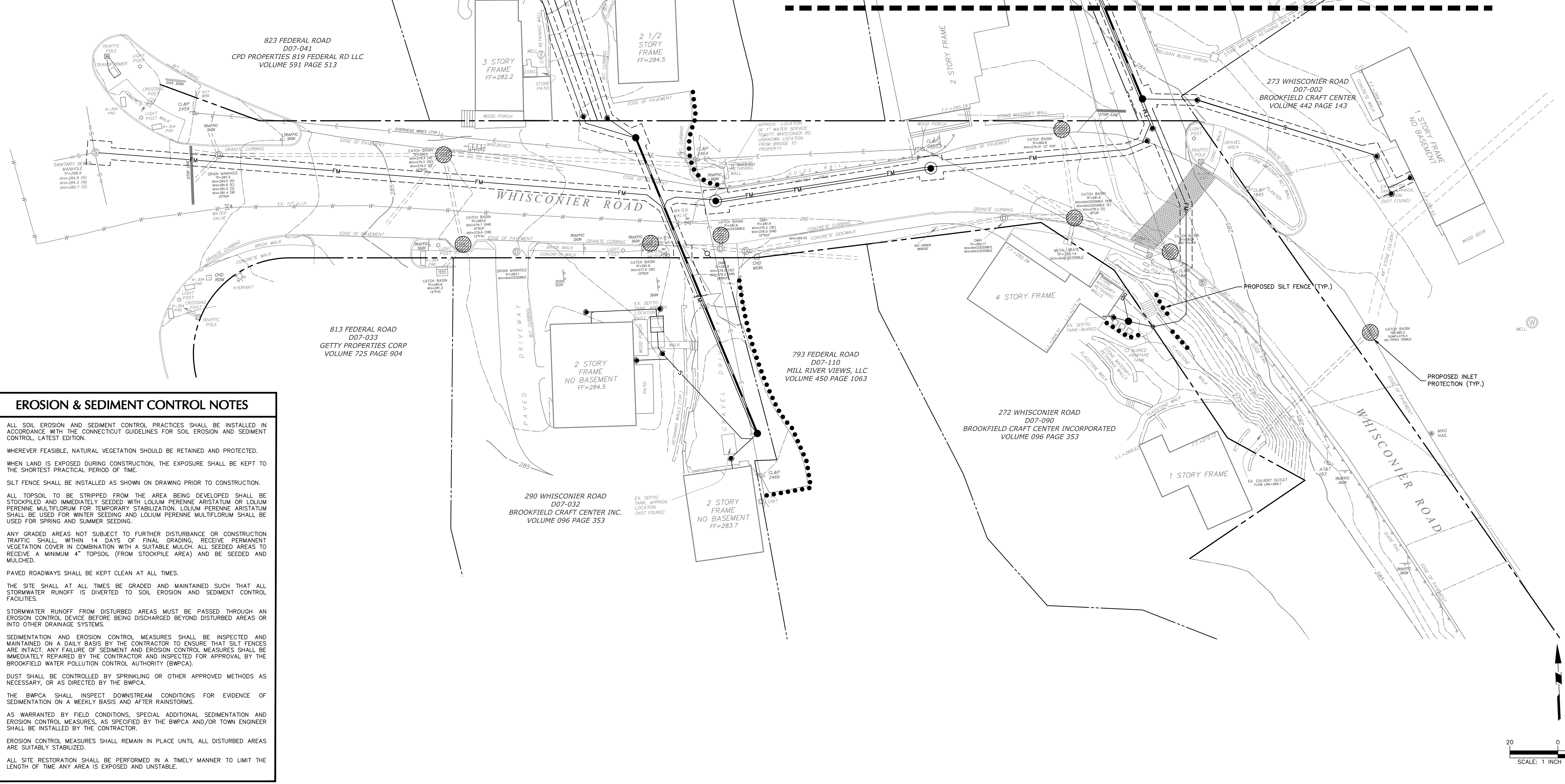
LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
**UTILITY PLAN
 (2 OF 2)**

Project No. 190011055	Drawing No. CU102
Date JANUARY 27, 2022	
Drawn By AW	Sheet 3 of 9
Checked By JK	

LEGEND	
	PROPERTY LINE
	SILT FENCE
	STAGING AND MATERIAL STORAGE AREA
	SOIL STOCKPILE AREA
	INLET PROTECTION



EROSION & SEDIMENT CONTROL NOTES	
1.	ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
2.	WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
3.	WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
4.	SILT FENCE SHALL BE INSTALLED AS SHOWN ON DRAWING PRIOR TO CONSTRUCTION.
5.	ALL TOPSOIL TO BE STRIPPED FROM THE AREA BEING DEVELOPED SHALL BE STOCKPILED AND IMMEDIATELY SEEDED WITH LOLIUM PERENNE ARISTATUM OR LOLIUM PERENNE MULTIFLORUM FOR TEMPORARY STABILIZATION. LOLIUM PERENNE ARISTATUM SHALL BE USED FOR WINTER SEEDING AND LOLIUM PERENNE MULTIFLORUM SHALL BE USED FOR SPRING AND SUMMER SEEDING.
6.	ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN 14 DAYS OF FINAL GRADING, RECEIVE PERMANENT VEGETATION COVER IN COMBINATION WITH A SUITABLE MULCH. ALL SEEDED AREAS TO RECEIVE A MINIMUM 4" TOPSOIL (FROM STOCKPILE AREA) AND BE SEEDED AND MULCHED.
7.	PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
8.	THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
9.	STORMWATER RUNOFF FROM DISTURBED AREAS MUST BE PASSED THROUGH AN EROSION CONTROL DEVICE BEFORE BEING DISCHARGED BEYOND DISTURBED AREAS OR INTO OTHER DRAINAGE SYSTEMS.
10.	SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS BY THE CONTRACTOR TO ENSURE THAT SILT FENCES ARE INTACT. ANY FAILURE OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AND INSPECTED FOR APPROVAL BY THE BROOKFIELD WATER POLLUTION CONTROL AUTHORITY (BWPCA).
11.	DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE BWPCA.
12.	THE BWPCA SHALL INSPECT DOWNSTREAM CONDITIONS FOR EVIDENCE OF SEDIMENTATION ON A WEEKLY BASIS AND AFTER RAINSTORMS.
13.	AS WARRANTED BY FIELD CONDITIONS, SPECIAL ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES, AS SPECIFIED BY THE BWPCA AND/OR TOWN ENGINEER SHALL BE INSTALLED BY THE CONTRACTOR.
14.	EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE SUITABLY STABILIZED.
15.	ALL SITE RESTORATION SHALL BE PERFORMED IN A TIMELY MANNER TO LIMIT THE LENGTH OF TIME ANY AREA IS EXPOSED AND UNSTABLE.

Date	Description	No.
11/11/22	ISSUED FOR BID	1.
Date	Description	No.
REVISIONS		

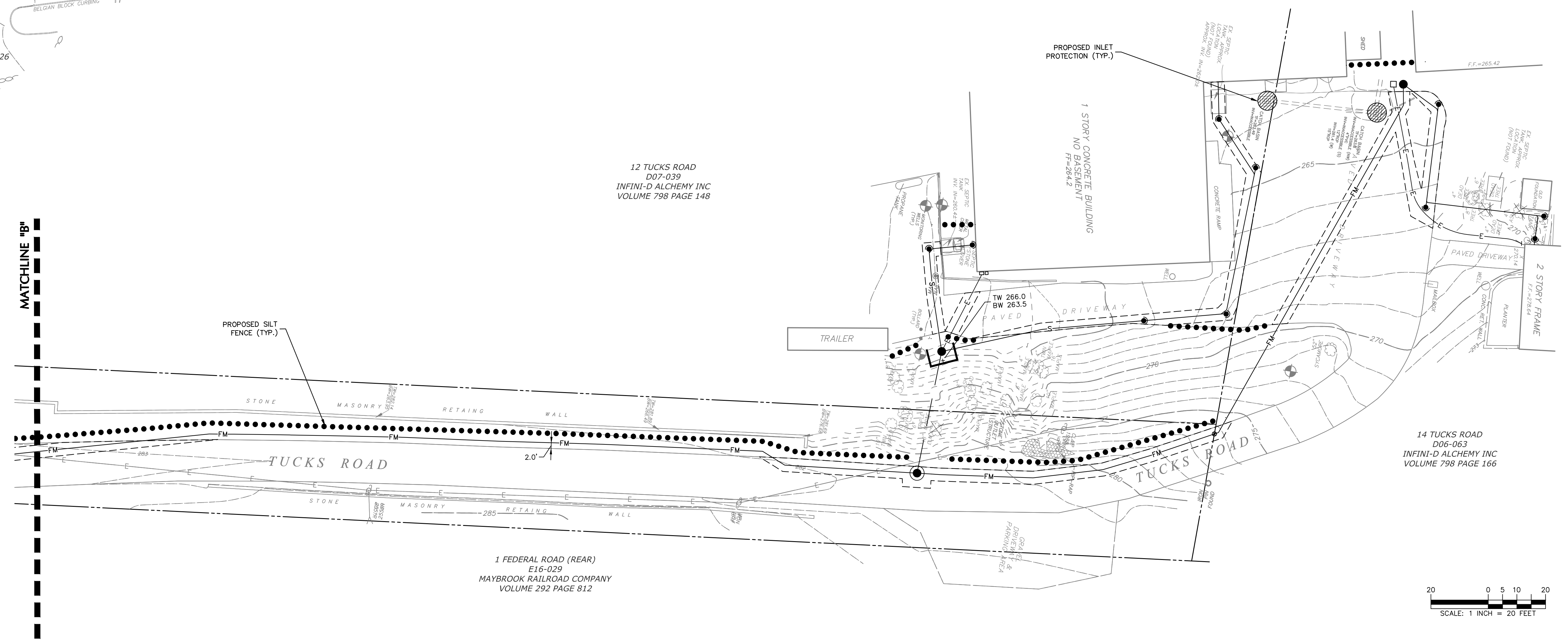
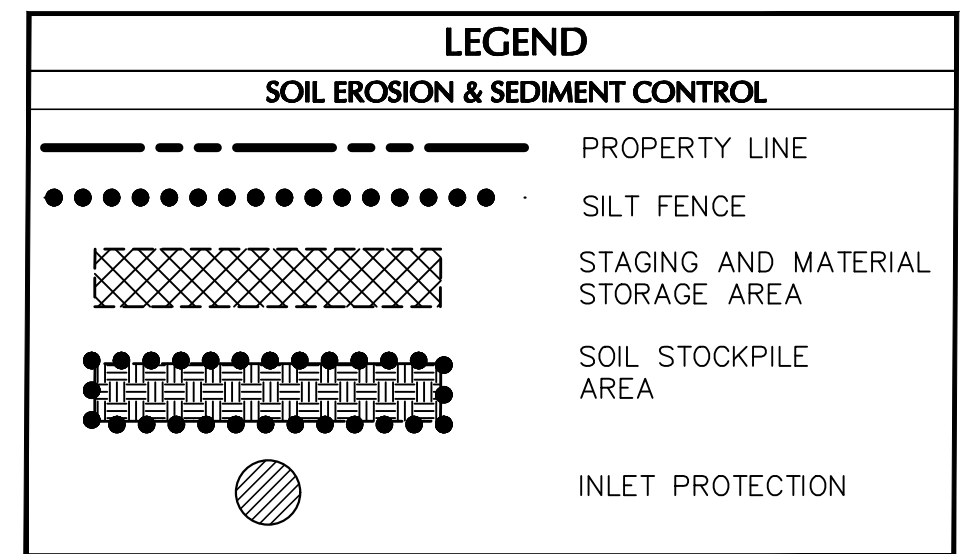
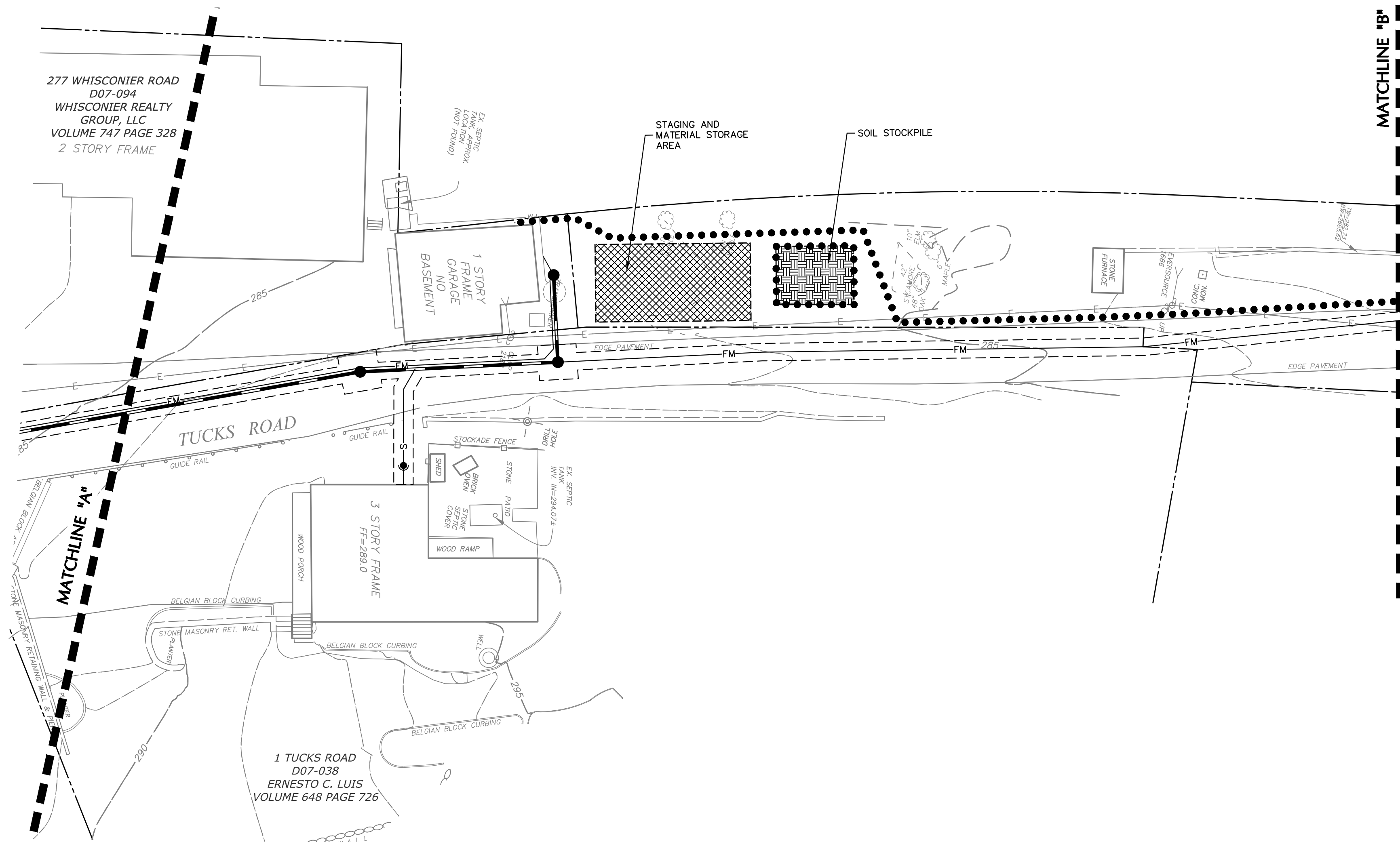
SIGNATURE _____ DATE SIGNED _____
 W. CHARLES UTSCHIG JR.
 PROFESSIONAL ENGINEER CT Lic. No. 0019262

LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
EROSION & SEDIMENT CONTROL PLAN (1 OF 2)

Project No.	190011055	Drawing No.	CE101
Date	JANUARY 28, 2022		
Drawn By	AW	Sheet 4 of 9	
Checked By	JK		



Date	Description	No.
11/11/22	ISSUED FOR BID	1.
REVISIONS		

SIGNATURE _____ DATE SIGNED _____
 W. CHARLES UTSCHIG JR.
 PROFESSIONAL ENGINEER CT Lic. No. 0019262

LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
EROSION & SEDIMENT CONTROL PLAN (2 OF 2)

Project No.
 190011055
 Date
 JANUARY 28, 2022
 Drawn By
 AW
 Checked By
 JK

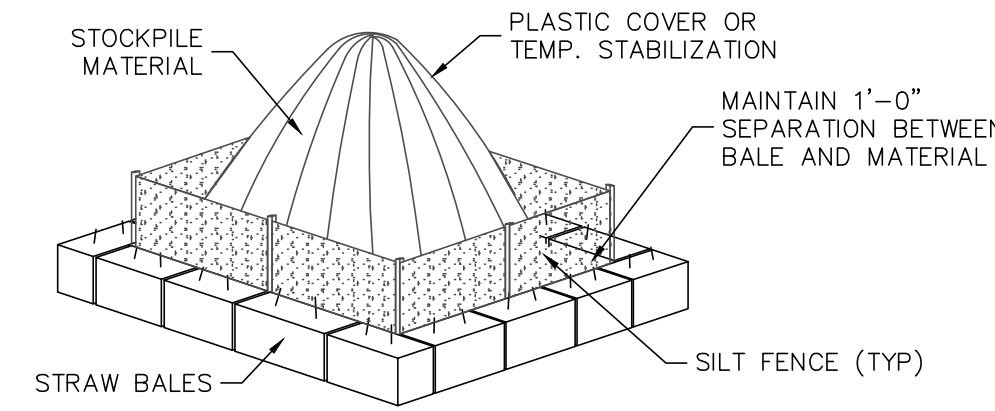
Drawing No.
CE102
 Sheet 5 of 9

PERMANENT GROUND STABILIZATION

SPECIES	LBS. PER ACRE PER 1000 S.F.	
SPREADING FESCUE	15	0.3
CHEWINGS RED FESCUE	15	0.3
KENTUCKY BLUEGRASS	25	0.6
PERENNIAL RYEGRASS	10	0.2
SEEDBED PREPARATION		
LIMESTONE (50% Co + MgO'S)		
CLAY, CLAY LOAM, HIGH ORGANIC SOIL	8000	180
SANDY LOAM, LOAM, SILT LOAM	6000	135
LOAMY SAND, SAND	4000	90
FERTILIZER (10-20-10 OR EQUIV.)	500	11

RESTORATION NOTES

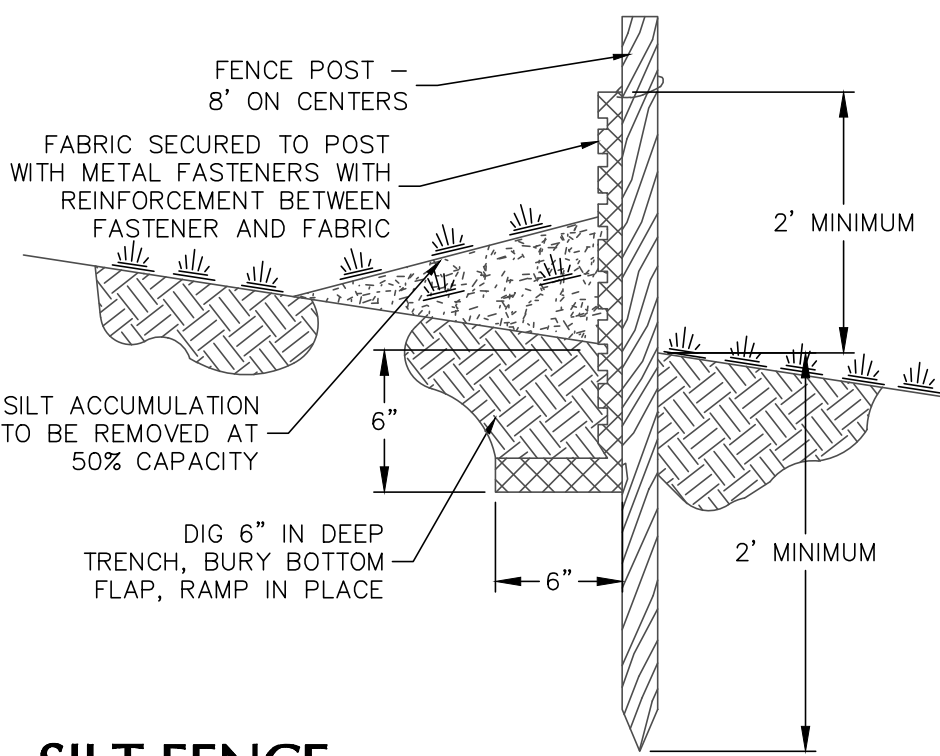
SCALE: NTS



NOTE: STOCKPILE SHALL BE COVERED ENTIRELY BY AN ANCHORED PLASTIC COVER OR SEEDED IF NOT IN USE AFTER 14 DAYS.

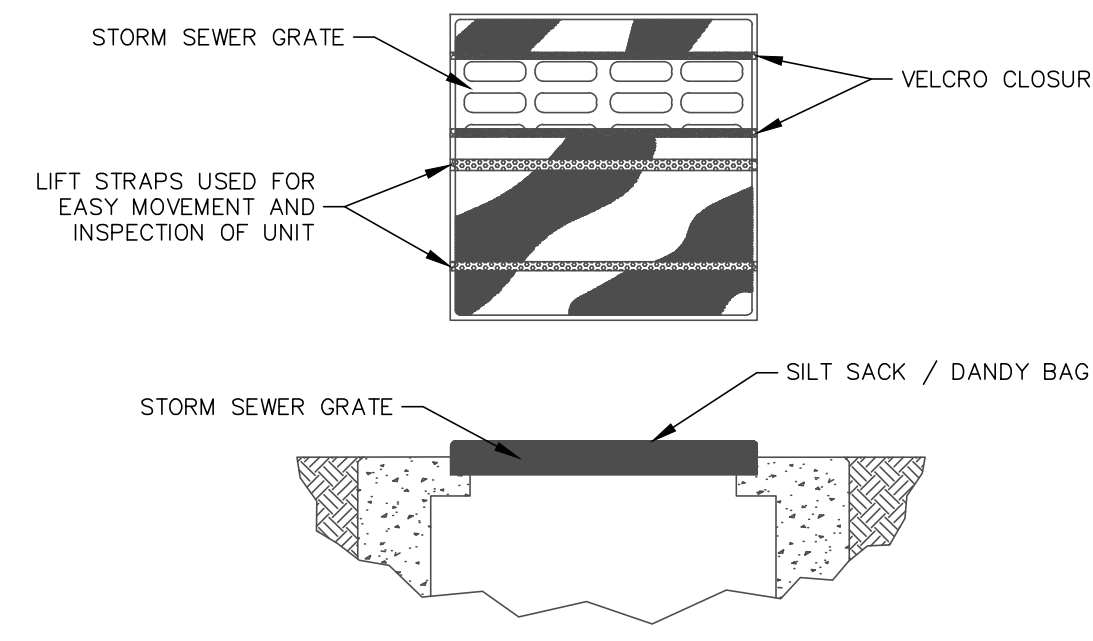
STOCKPILE CONTROL

SCALE: NTS



SILT FENCE

SCALE: NTS

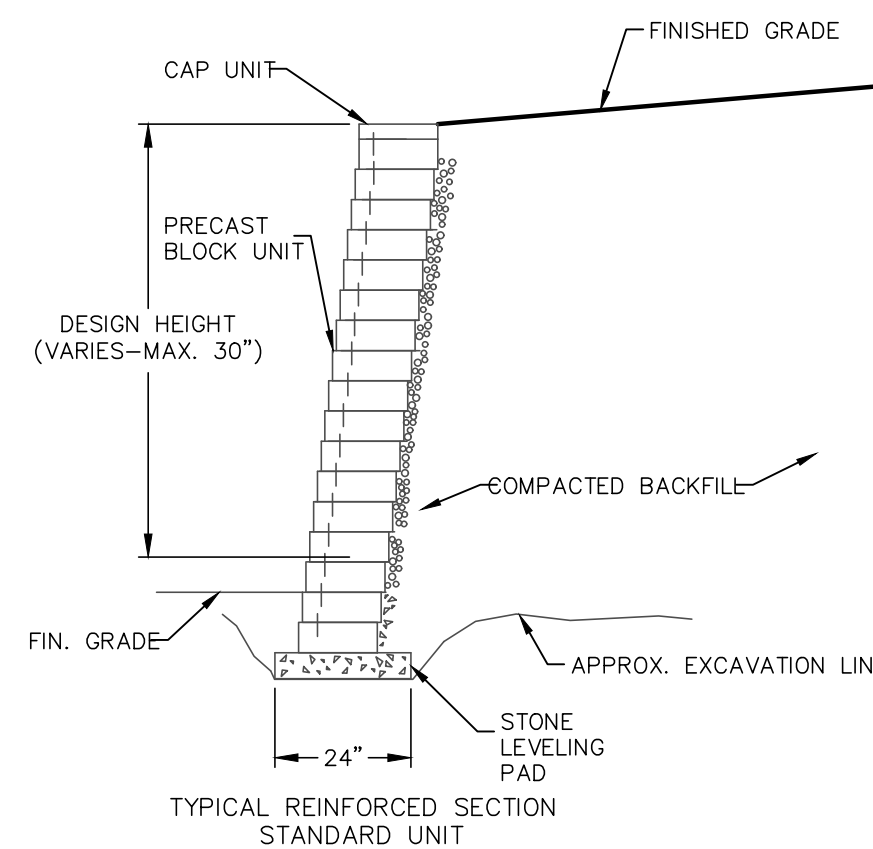


NOTES:

1. INLET SEDIMENT CONTROL DEVICE SHALL BE SILT SACK BY ACF ENVIRONMENTAL PRODUCTS, DANDY BAG BY DANDY PRODUCTS, OR APPROVED EQUAL.
2. INLET SEDIMENT CONTROL DEVICE SHALL BE EQUIPPED WITH CURB DEFLECTOR/FILTER AT CURB INLET LOCATIONS.
3. INLET SEDIMENT CONTROL DEVICE SHALL BE MAINTAINED AS PER THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
4. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED (GREATER THAN 75% VEGETATIVE COVER), THE INLET SEDIMENT CONTROL DEVICE SHALL BE CLEANED OUT AND REMOVED FROM THE STRUCTURE.

SILT SACK INLET PROTECTION

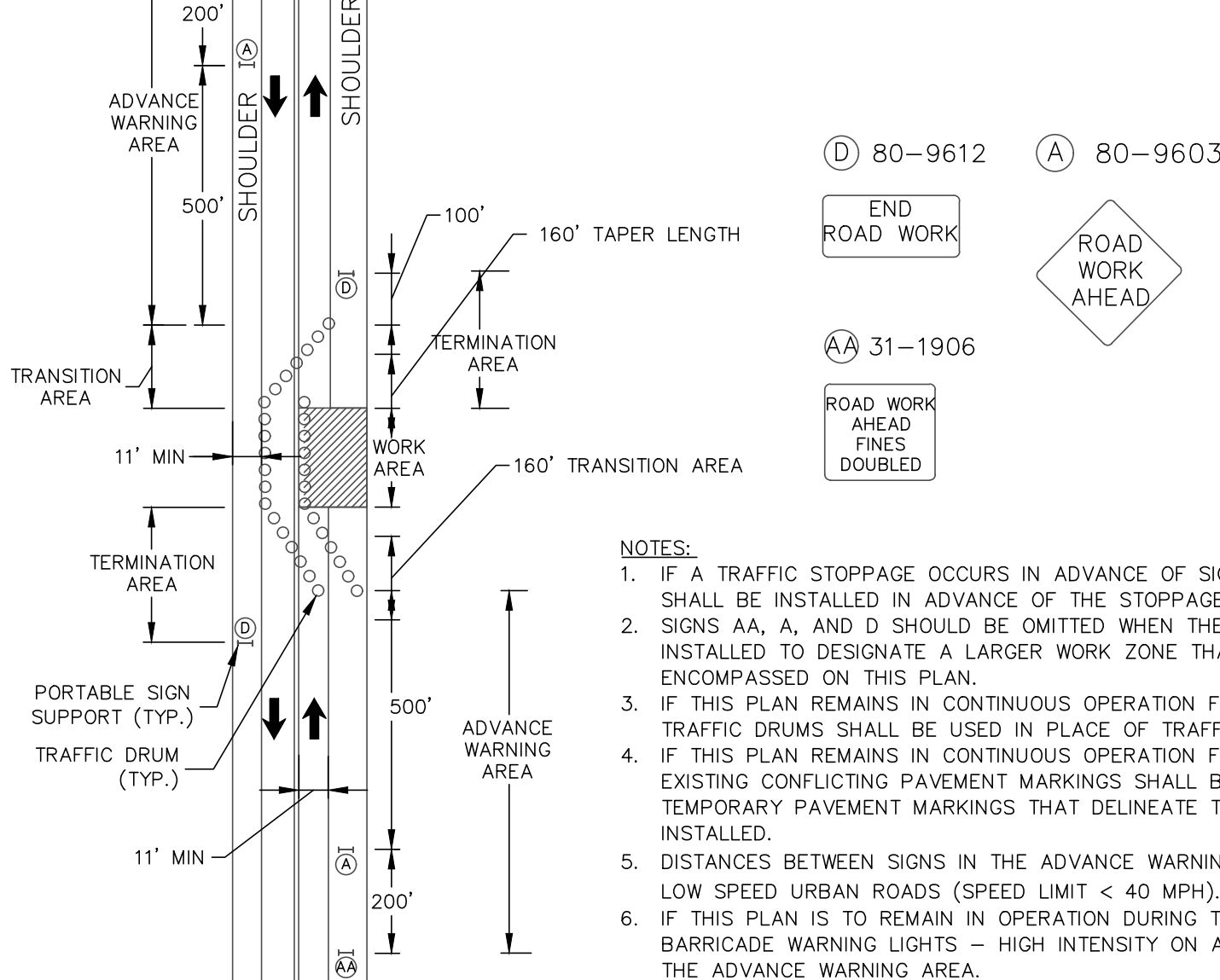
SCALE: NTS



TYPICAL SEGMENTAL BLOCK RETAINING WALL

SCALE: NTS

WORK IN TRAVEL LANE AND SHOULDER TWO LANE HIGHWAY

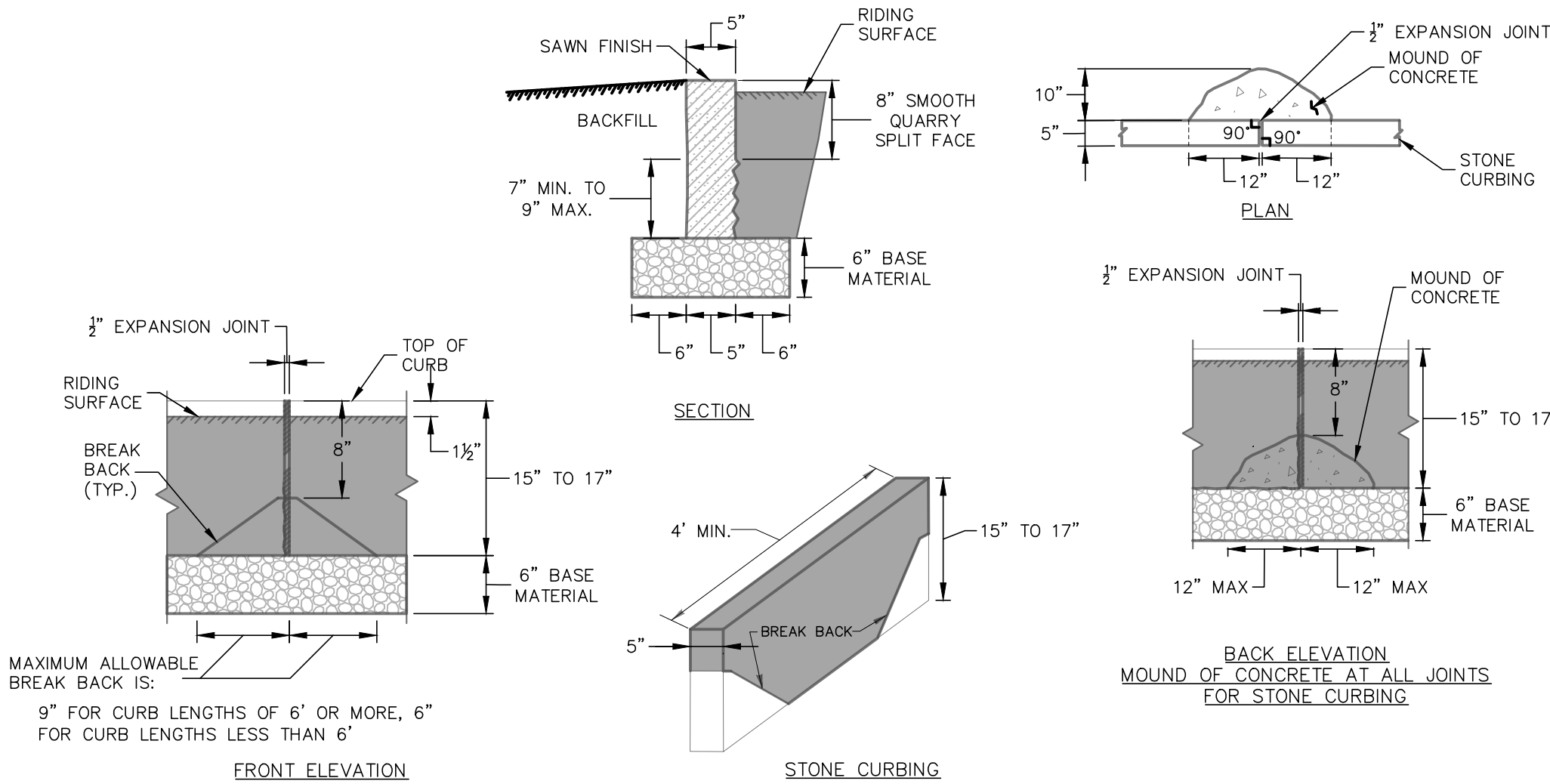


NOTES:

1. IF A TRAFFIC STOPPAGE OCCURS IN ADVANCE OF SIGN A, THEN AN ADDITIONAL SIGN A SHALL BE INSTALLED IN ADVANCE OF THE STOPPAGE.
2. SIGNS AA, A, AND D SHOULD BE OMITTED WHEN THESE SIGNS HAVE ALREADY BEEN INSTALLED TO DESIGNATE A LARGER WORK ZONE THAN THE WORK ZONE THAT IS ENCOMPASSED ON THIS PLAN.
3. IF THIS PLAN REMAINS IN CONTINUOUS OPERATION FOR MORE THAN 36 HOURS, THEN TRAFFIC DRUMS SHALL BE USED IN PLACE OF TRAFFIC CONES.
4. IF THIS PLAN REMAINS IN CONTINUOUS OPERATION FOR MORE THAN 36 HOURS, THEN ANY EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE ERADICATED OR COVERED, AND TEMPORARY PAVEMENT MARKINGS THAT DELINEATE THE PROPER TRAVELPATHS SHALL BE INSTALLED.
5. DISTANCES BETWEEN SIGNS IN THE ADVANCE WARNING AREA MAY BE REDUCED TO 100' ON LOW SPEED URBAN ROADS (SPEED LIMIT < 40 MPH).
6. IF THIS PLAN IS TO REMAIN IN OPERATION DURING THE HOURS OF DARKNESS, INSTALL BARRICADE WARNING LIGHTS - HIGH INTENSITY ON ALL POST MOUNTED DIAMOND SIGNS IN THE ADVANCE WARNING AREA.

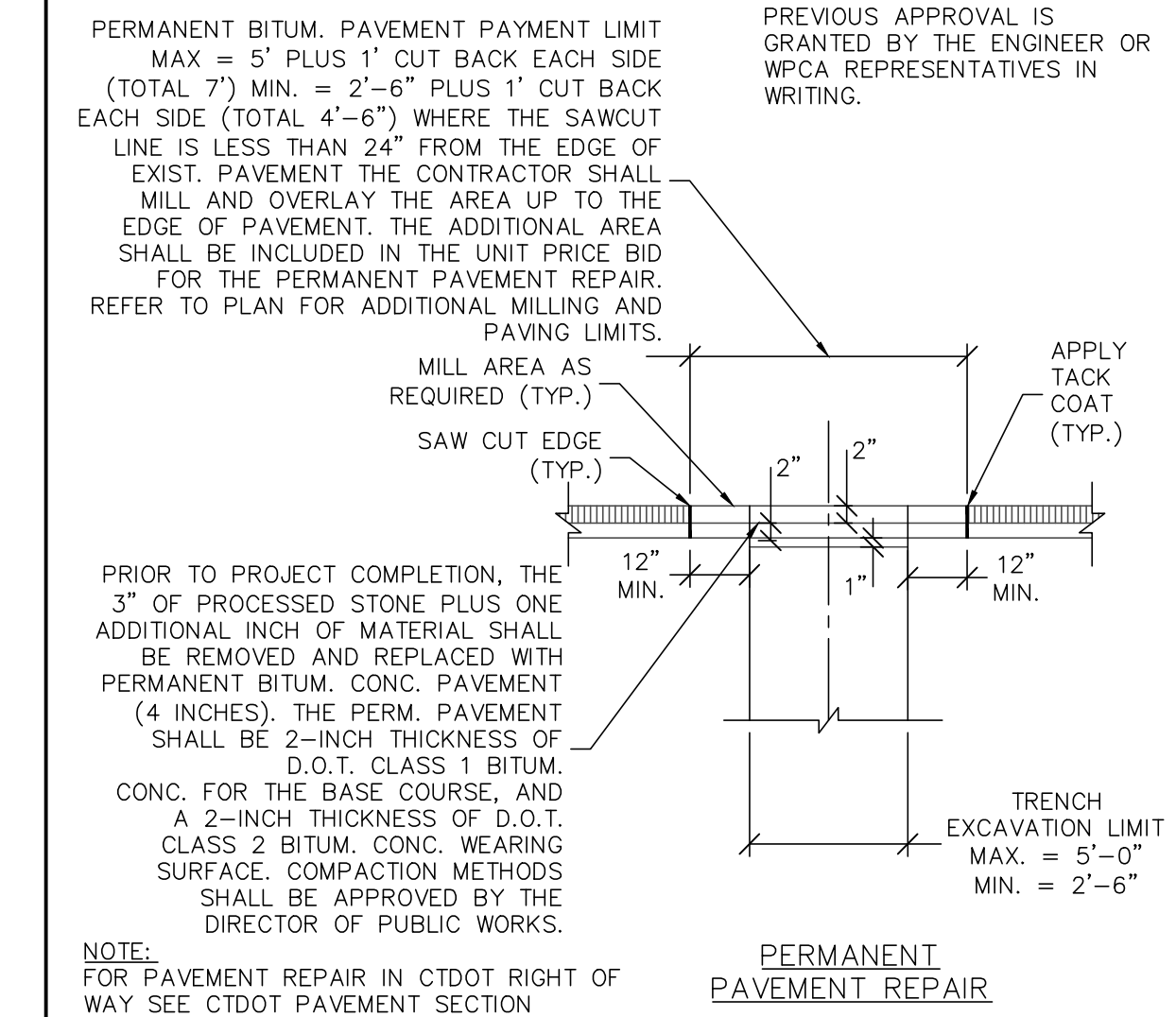
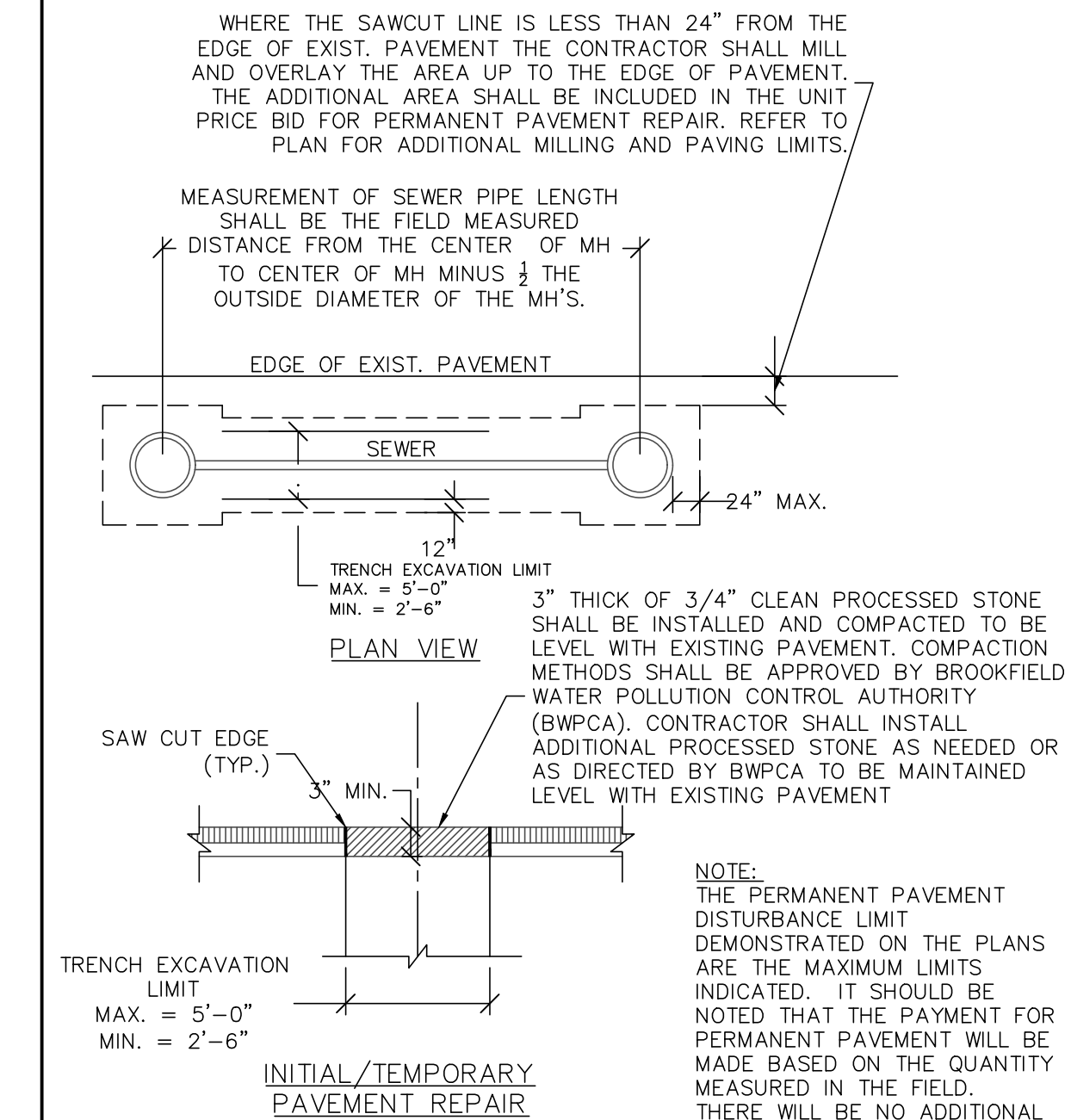
MAINTENANCE & PROTECTION OF TRAFFIC

SCALE: NTS



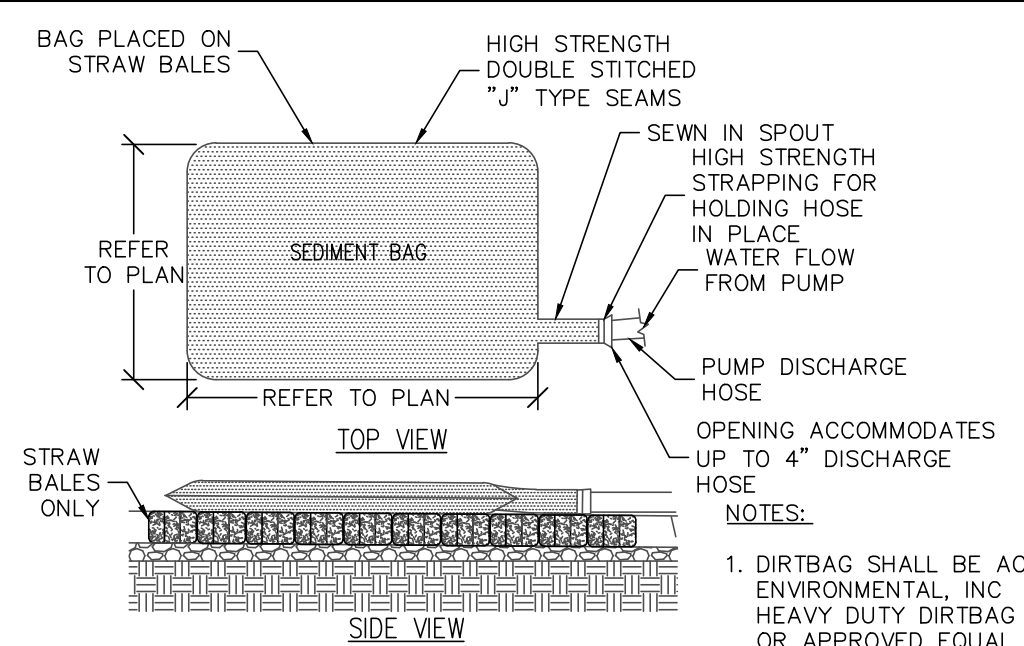
CTDOT STONE CURB

SCALE: NTS



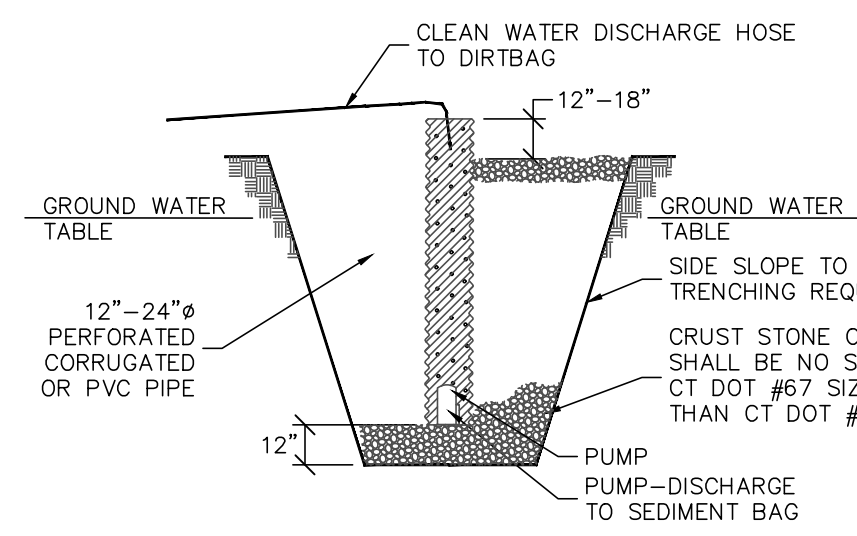
PAVEMENT REPAIR

SCALE: NTS



SEDIMENT BAG PUMPED SILT CONTROL SYSTEM

SCALE: NTS

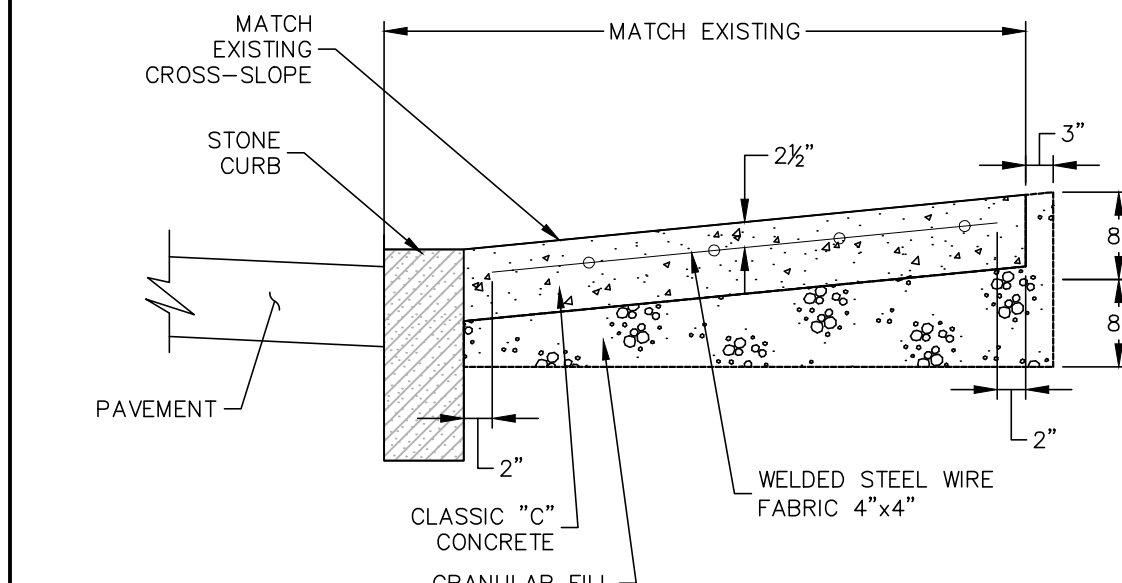


SUMP PIT

SCALE: NTS

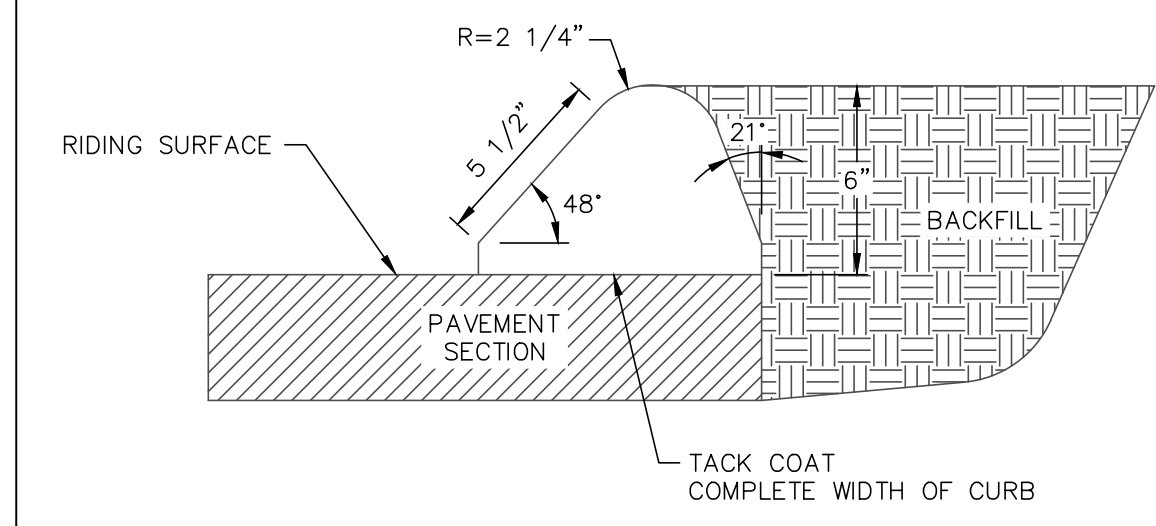
CONSTRUCTION SPECIFICATIONS:

1. PIT DIMENSIONS TO BE PROVIDED BY A LICENSED CT ENGINEER RETAINED BY THE CONTRACTOR. ALL DEWATERING, CALCULATIONS AND PLANS SHALL BE SUBMITTED DURING THE SHOP DRAWING REVIEW PROCESS.
2. THE STANDPIPE DIAMETER AND NUMBER OF PERFORATIONS SHALL BE COMPATIBLE WITH THE PUMP SIZE BEING USED.
3. IF EXCESSIVE MOVEMENT OF FINE SOIL PARTICLES FROM THE SURROUNDING EXISTING SOILS IS ANTICIPATED, A PROPERLY DESIGNED GEOTEXTILE SHALL BE PLACED BETWEEN THE EXISTING SOILS AND THE CRUSHED STONE OR GRAVEL BACKFILL.



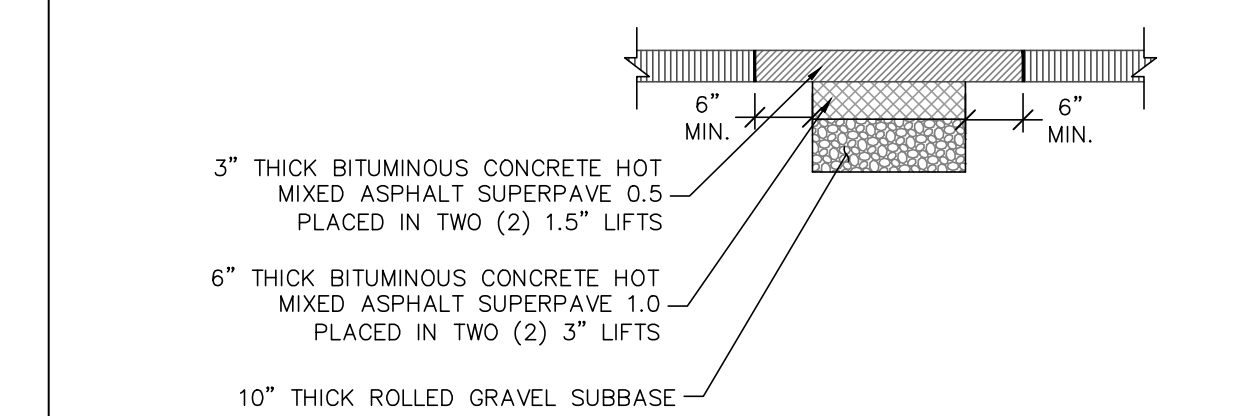
CTDOT CONCRETE DRIVEWAY RAMP

SCALE: NTS



CTDOT BITUMINOUS CONCRETE CURB

SCALE: NTS



CTDOT PAVEMENT SECTION

SCALE: NTS

LANGAN
Langan CT, Inc.

One North Broadway, Suite 910
White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

Project

BROOKFIELD MARKET

TOWN OF BROOKFIELD
FAIRFIELD COUNTY CONNECTICUT

Drawing Title

DETAILS (1 OF 4)

Project No.

190011055

Date

JANUARY 27, 2022

Drawn By

AW

Checked By

JK

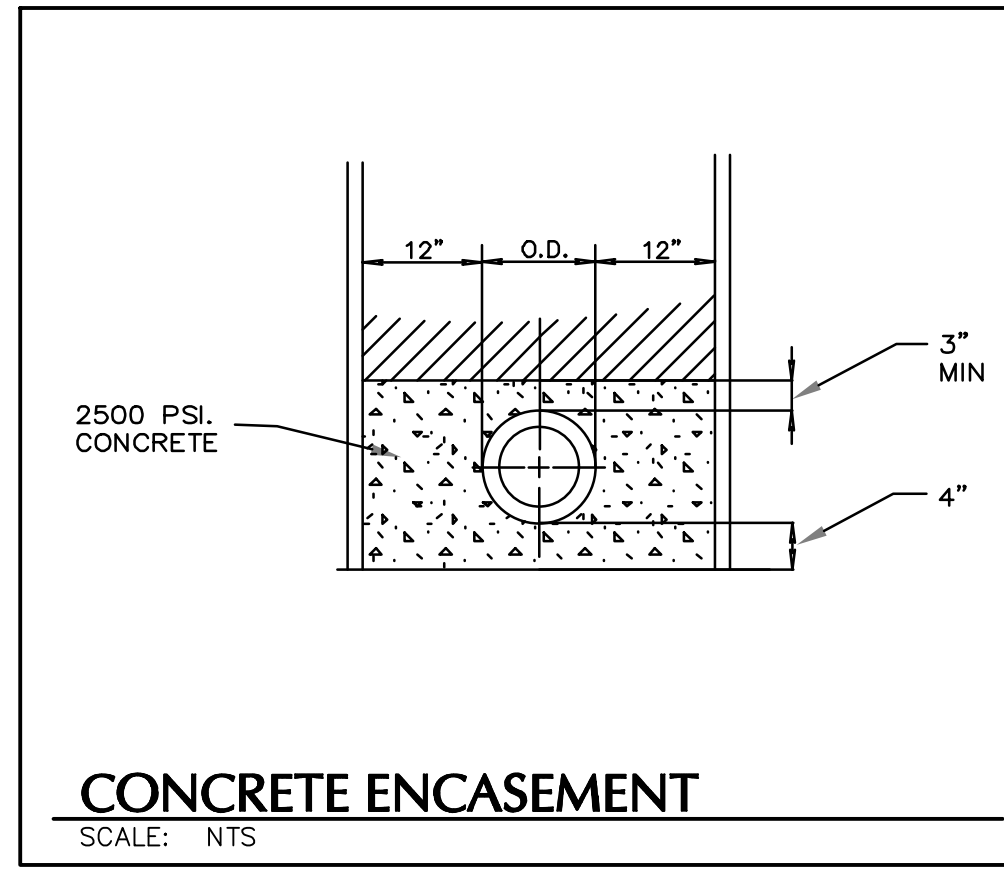
Drawing No.

CS501

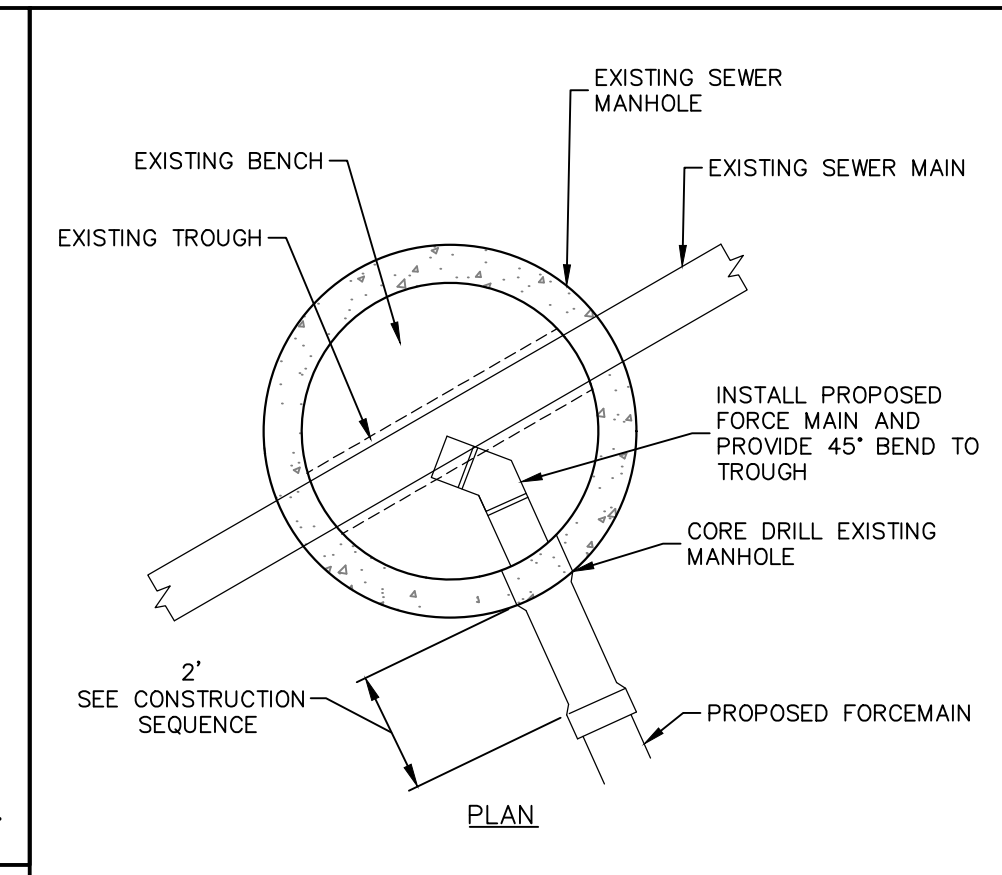
Sheet 6 of 9

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
W. CHARLES UTSCHIG JR.
PROFESSIONAL ENGINEER CT Lic. No. 0019262



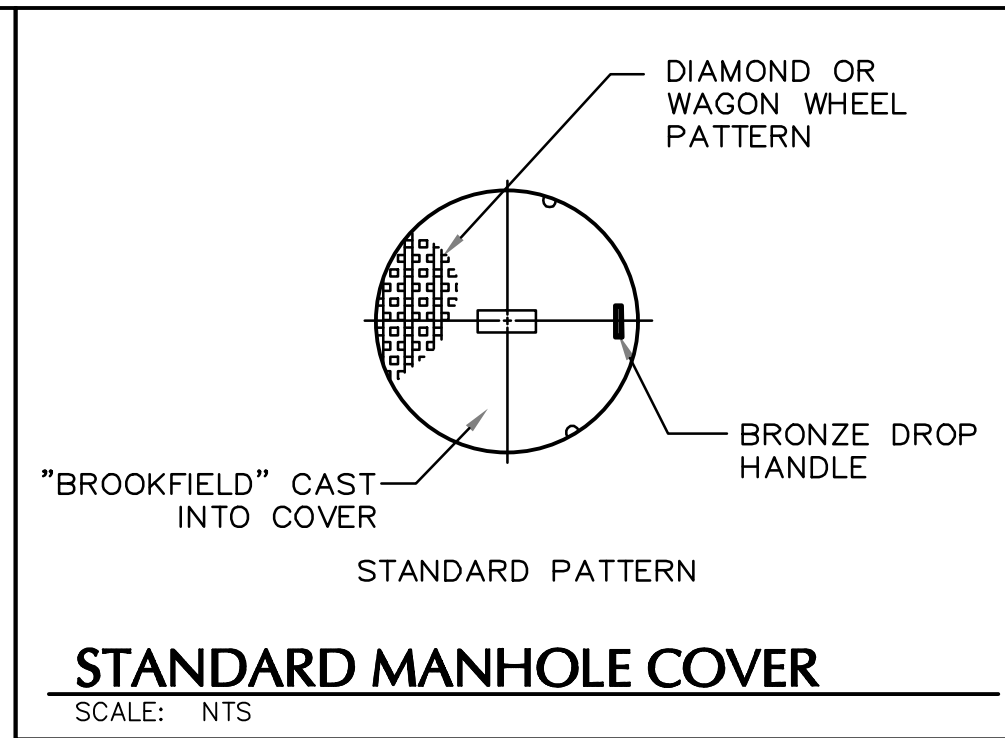
CONCRETE ENCASEMENT
SCALE: NTS



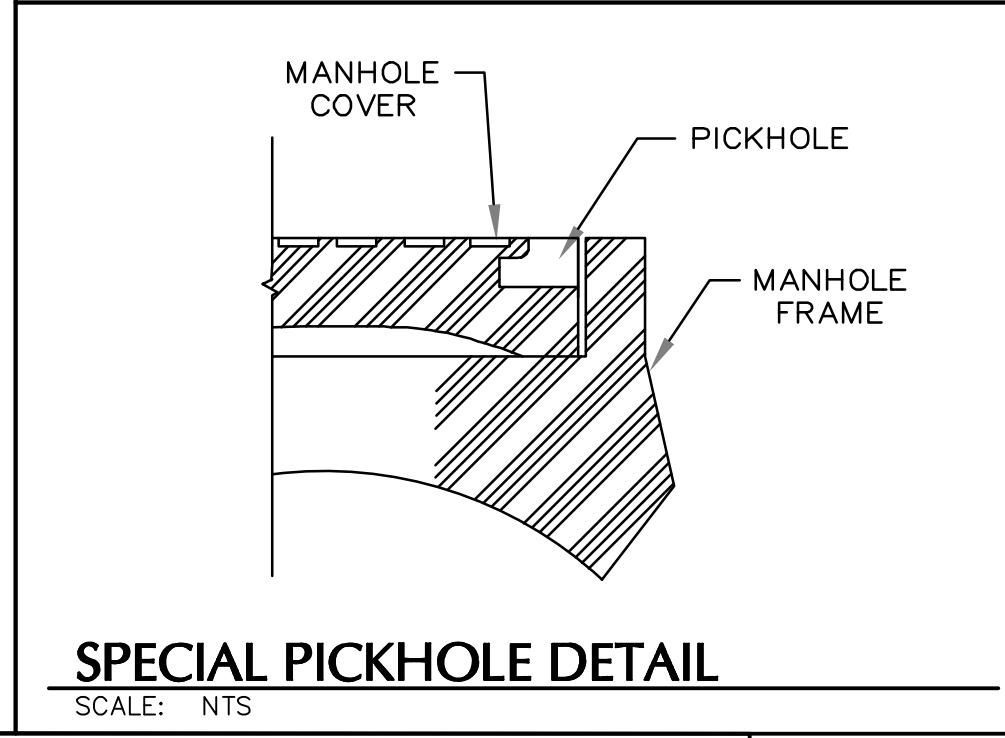
CONNECTION TO EXISTING SEWER MANHOLE CONSTRUCTION SEQUENCE:

1. INSTALL PROPOSED FORCE MAIN PIPING TO WITHIN 2' OF THE EXISTING SEWER MANHOLE.
2. PERFORM REQUIRED ACCEPTANCE TESTING OF THE FORCE MAIN.
3. AFTER TESTING OF NEW FORCE MAIN, CORE DRILL EXISTING MANHOLE AND CONNECT PROPOSED PIPING TO EXISTING MANHOLE.

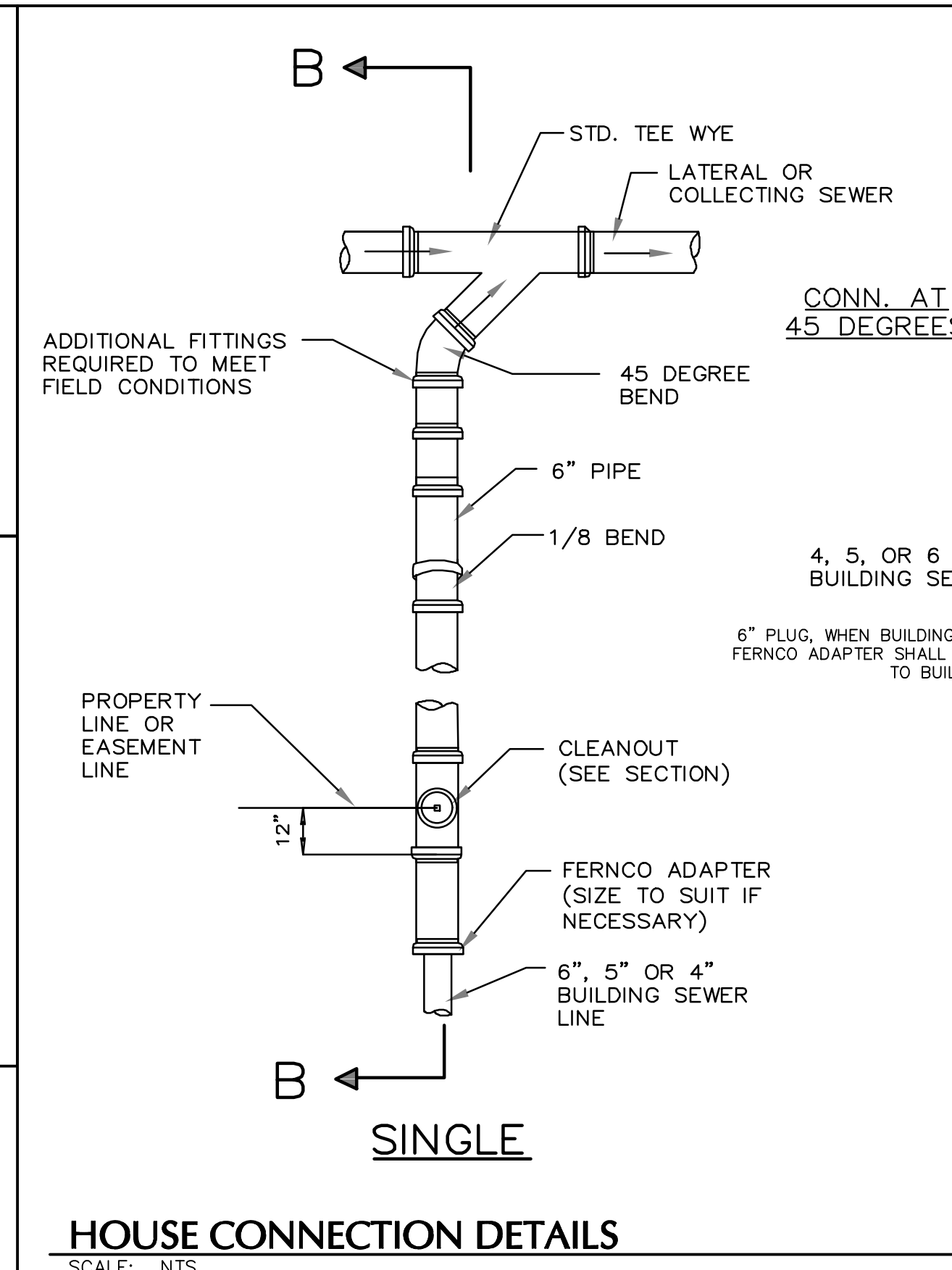
PROPOSED SEWER CONNECTION TO EXISTING SEWER MANHOLE
SCALE: NTS



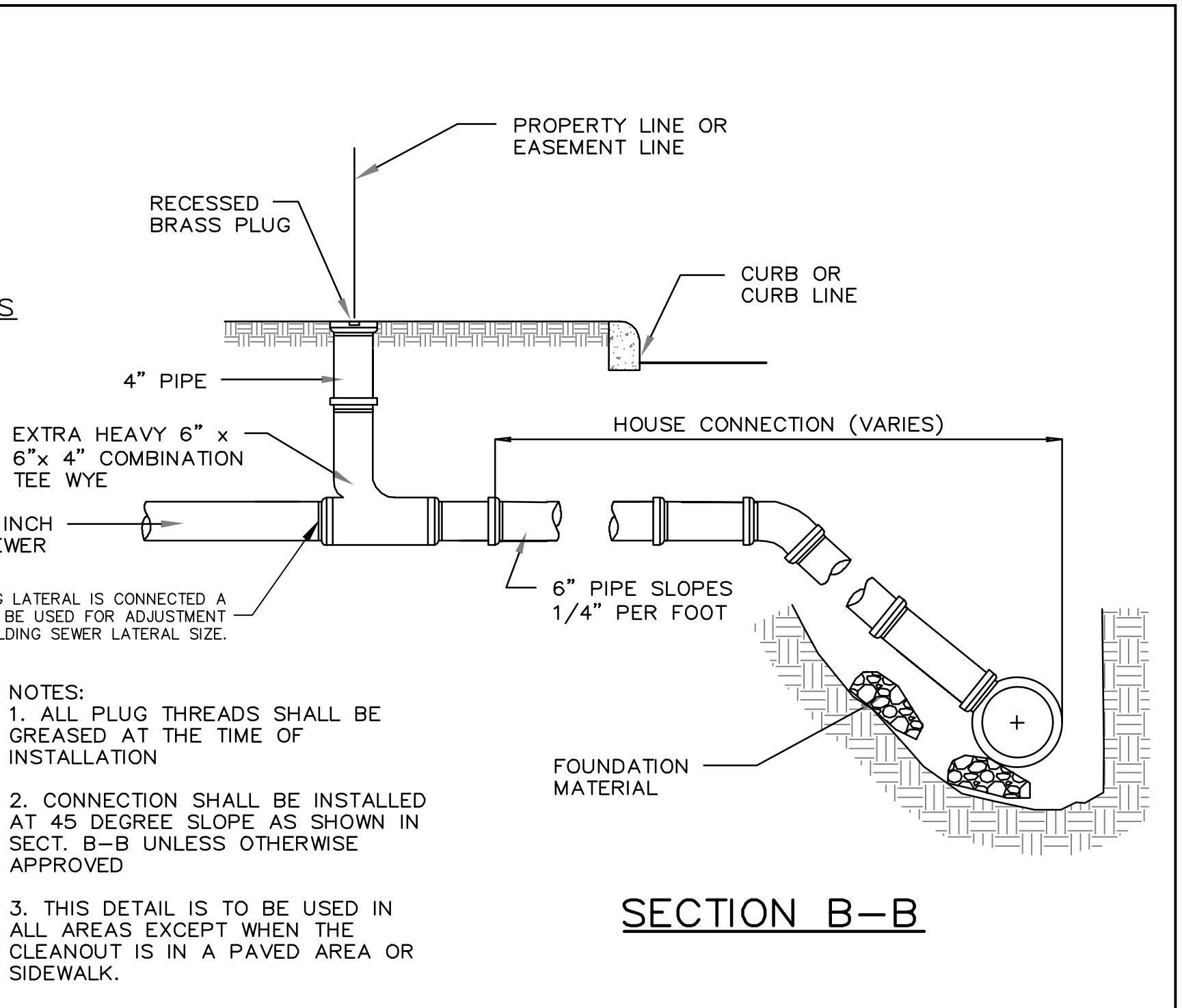
STANDARD MANHOLE COVER
SCALE: NTS



SPECIAL PICKHOLE DETAIL
SCALE: NTS



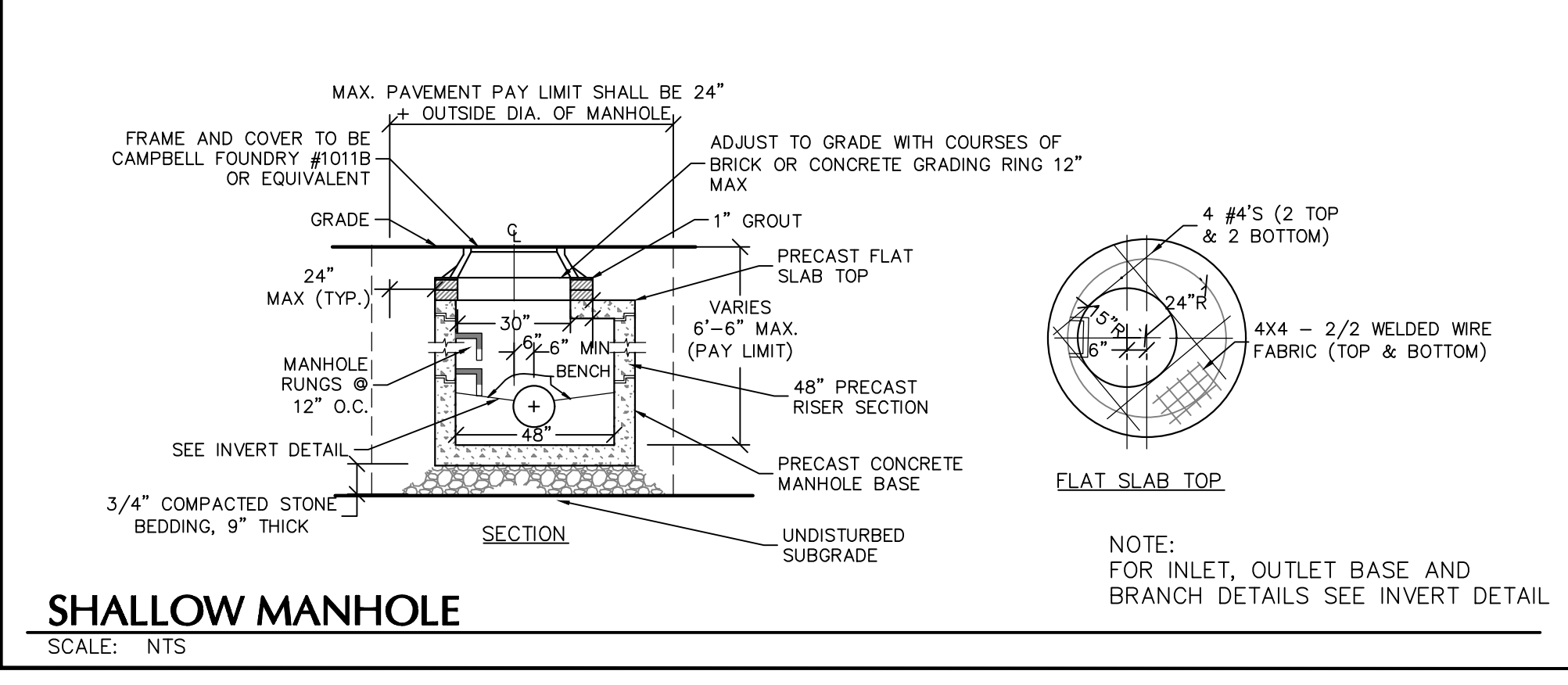
HOUSE CONNECTION DETAILS
SCALE: NTS



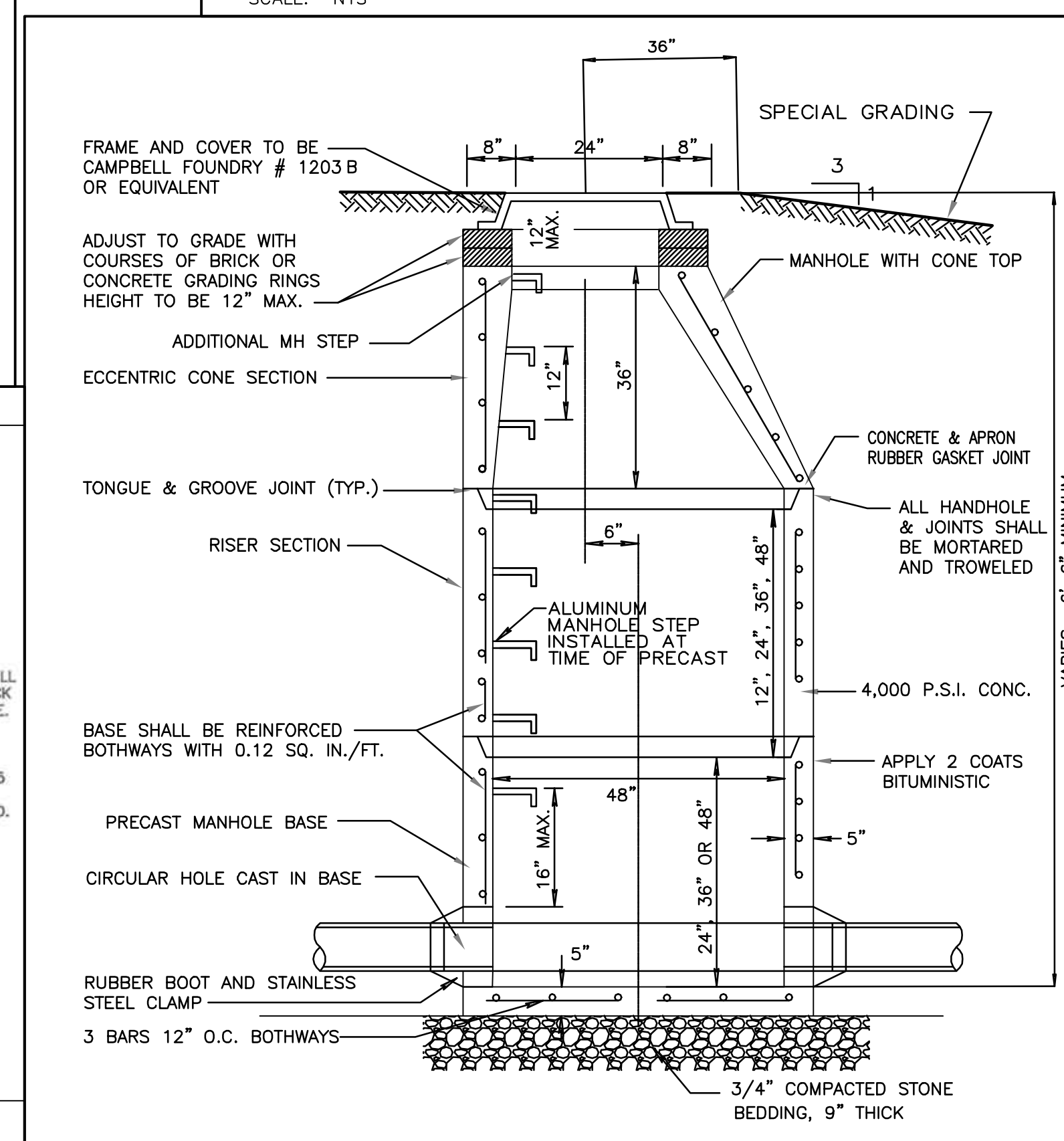
NOTES:

1. ALL PLUG THREADS SHALL BE GREASED AT THE TIME OF INSTALLATION.
2. CONNECTION SHALL BE INSTALLED AT 45 DEGREE SLOPE AS SHOWN IN SECT. B-B UNLESS OTHERWISE APPROVED.
3. THIS DETAIL IS TO BE USED IN ALL AREAS EXCEPT WHEN THE CLEANOUT IS IN A PAVED AREA OR SIDEWALK.

SECTION B-B



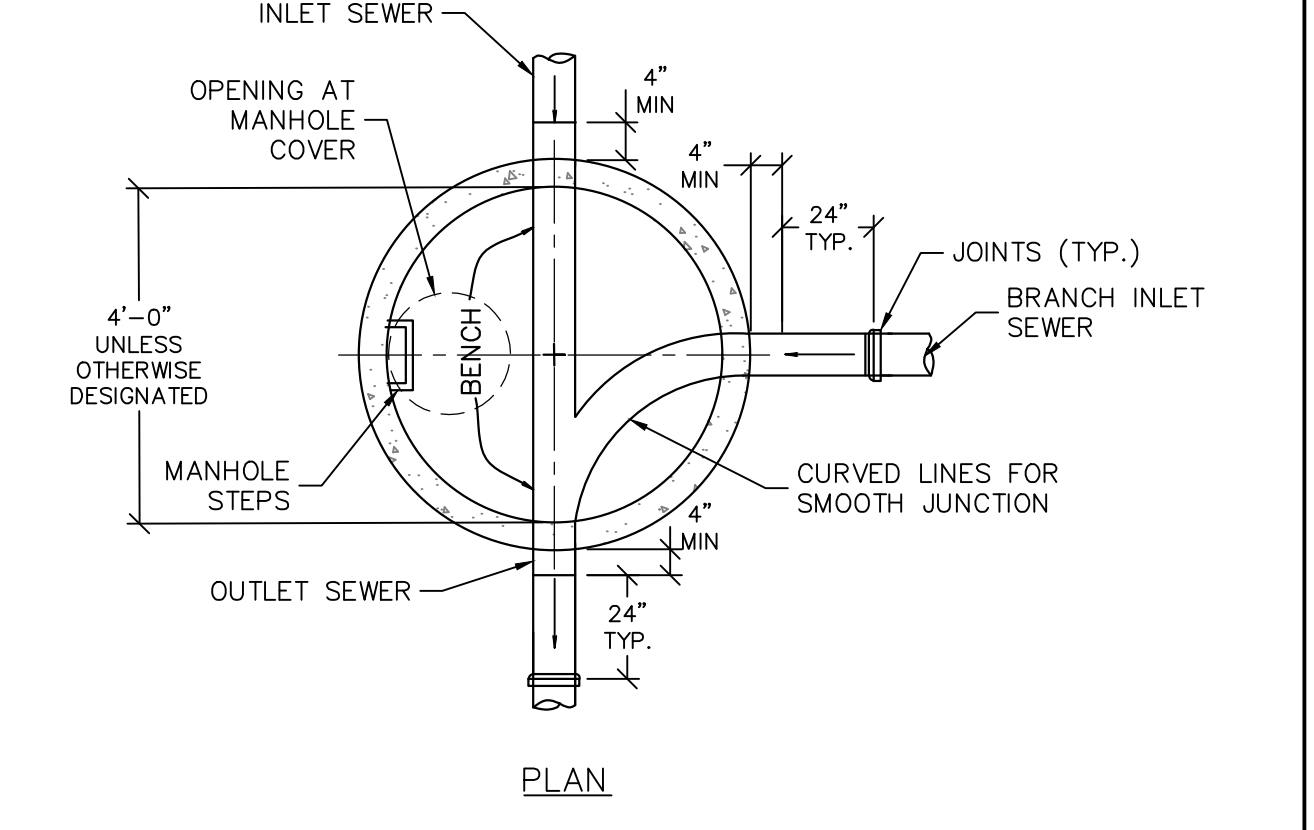
SHALLOW MANHOLE
SCALE: NTS



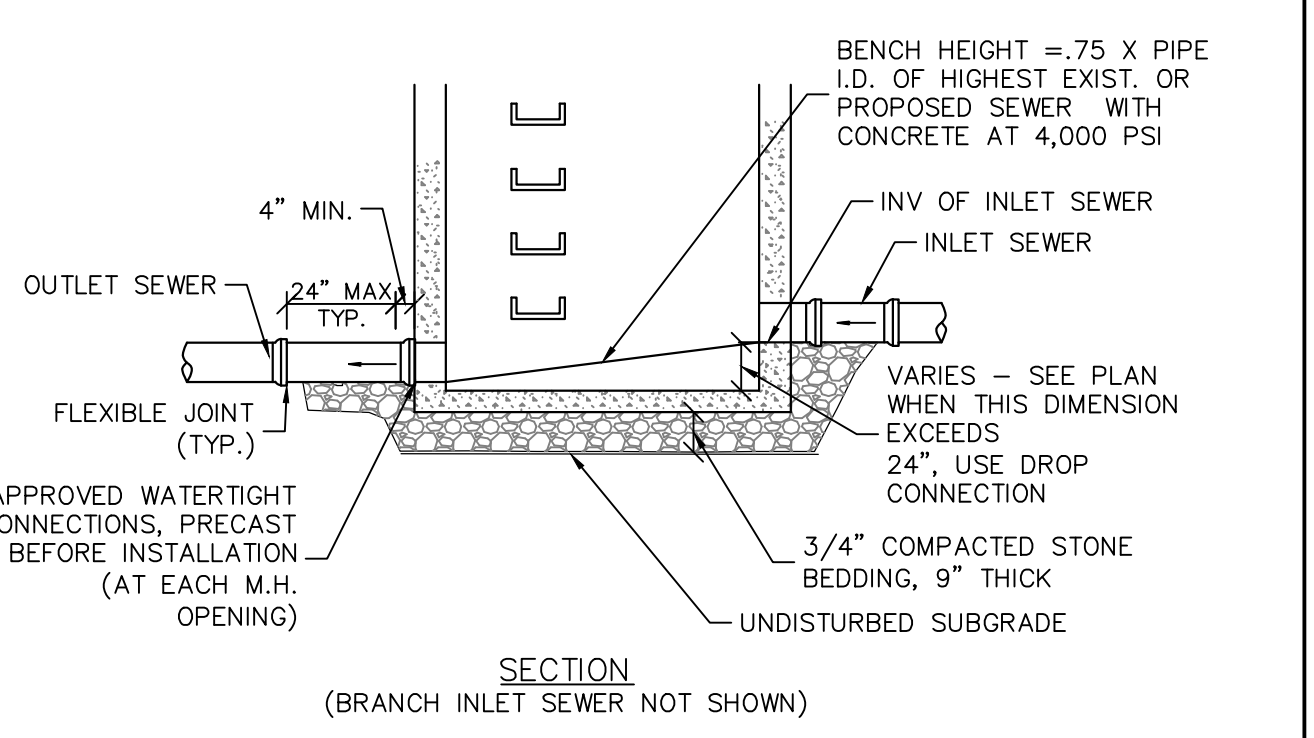
SANITARY PRECAST REINFORCED CONCRETE MANHOLE ASSEMBLY

NOTES:

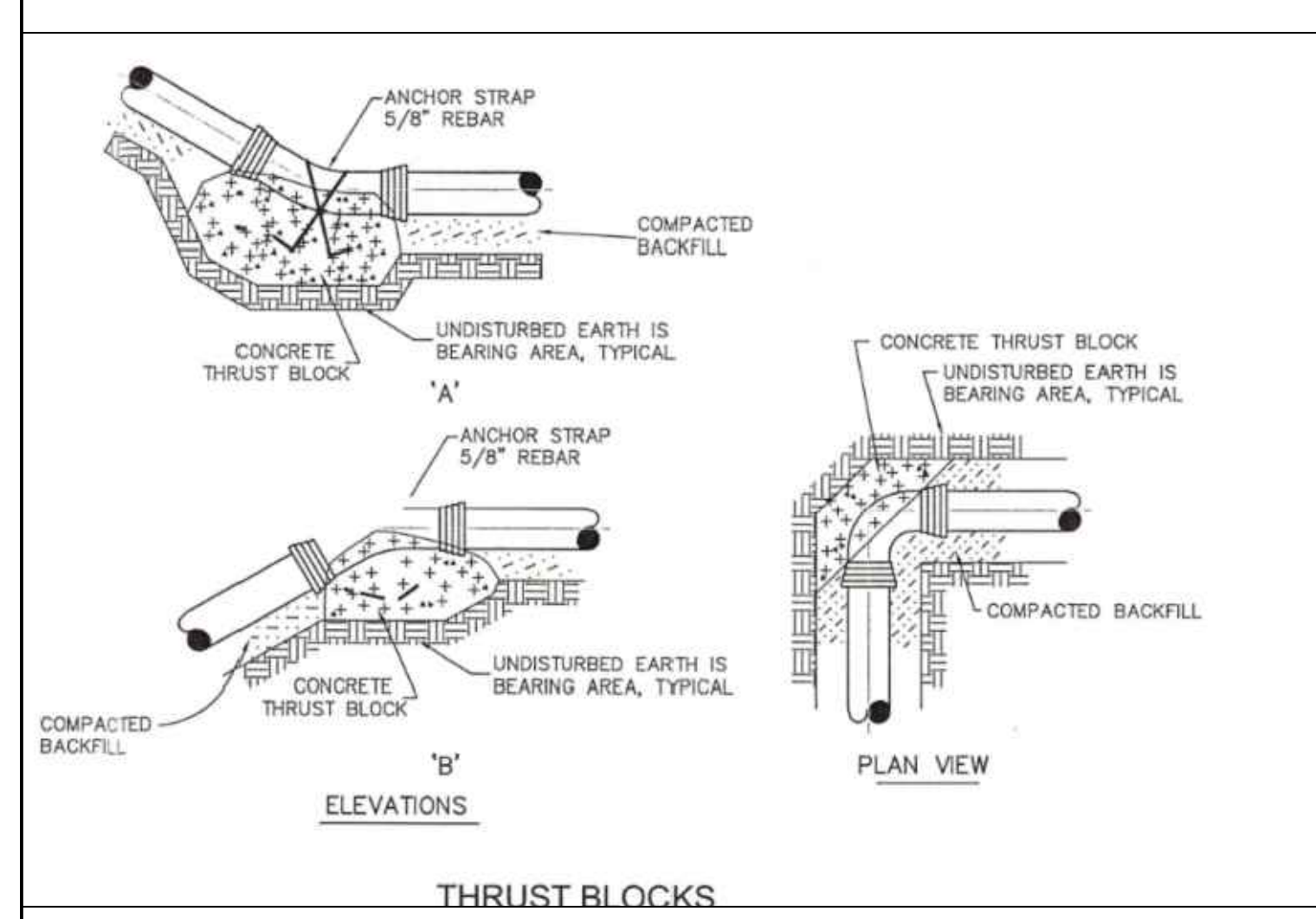
1. SPECIAL GRADING TO BE USED WHERE TOP OF MANHOLE PROTRUDES ABOVE ORIGINAL GRADE.
2. TOE OF SLOPE SHALL NOT EXTEND BEYOND EASEMENT LINES.
3. SPECIAL GRADING SYMMETRICAL ABOUT C/L OF MANHOLE COVER.
4. IN EASEMENTS TOP OF MAX FRAME TO BE 6\"/>



PLAN



SECTION
(BRANCH INLET SEWER NOT SHOWN)



THRUST BLOCKS
SCALE: NTS

NOTES:

1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE. USE 3000 P.S.I. CONCRETE.
2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
3. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK.
4. REQUIREMENTS OF THE TABLE BELOW PRESUME MINIMUM SOIL BEARING OF 1.5 TONS PER SQUARE FOOT AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED.
5. USE MECHANICAL JOINT TYPE FITTINGS.
6. LOCATE VERTICAL BENDS A SUFFICIENT DISTANCE TO CONSTRUCT THRUST BLOCKS.

THRUST BLOCK BEARING REQUIREMENT	
FITTING	MIN. BEARING AREA (S.F.)
45° BEND	3.0
22.5° BEND	2.0
11.25° BEND	2.0

Date	Description	No.
REVISIONS		

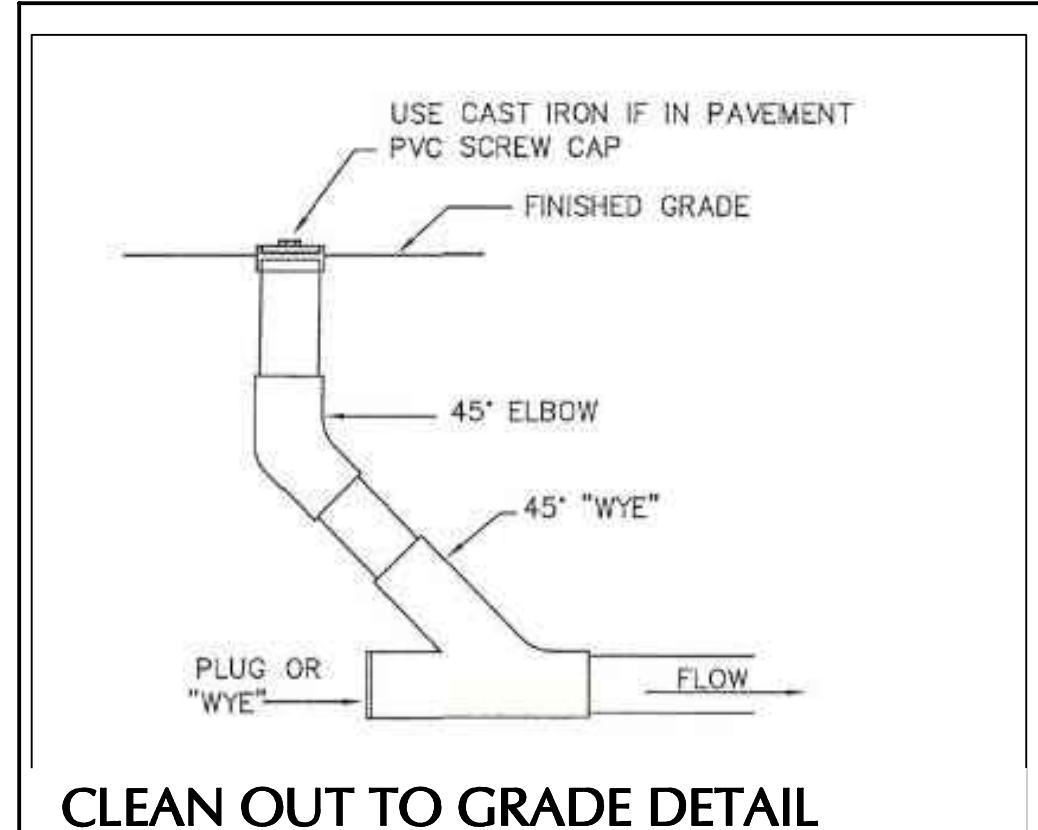
SIGNATURE: W. CHARLES UTSCHIG JR.
DATE SIGNED: PROFESSIONAL ENGINEER CT Lic. No. 0019262

LANGAN
Langan CT, Inc.
One North Broadway, Suite 910
White Plains, NY 10601
T: 914.323.7400 F: 914.323.7401 www.langan.com

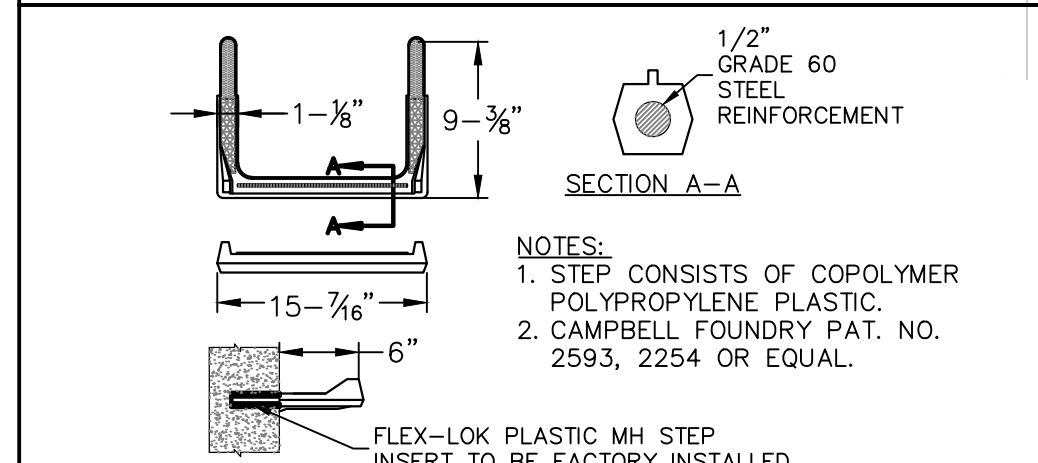
Project: **BROOKFIELD MARKET**
TOWN OF BROOKFIELD
FAIRFIELD COUNTY CONNECTICUT

Drawing Title: **DETAILS (2 OF 4)**

Project No.: **190011055**
Date: **JANUARY 27, 2022**
Drawn By: **AW**
Checked By: **JK**
Drawing No.: **CS502**
Sheet 7 of 9



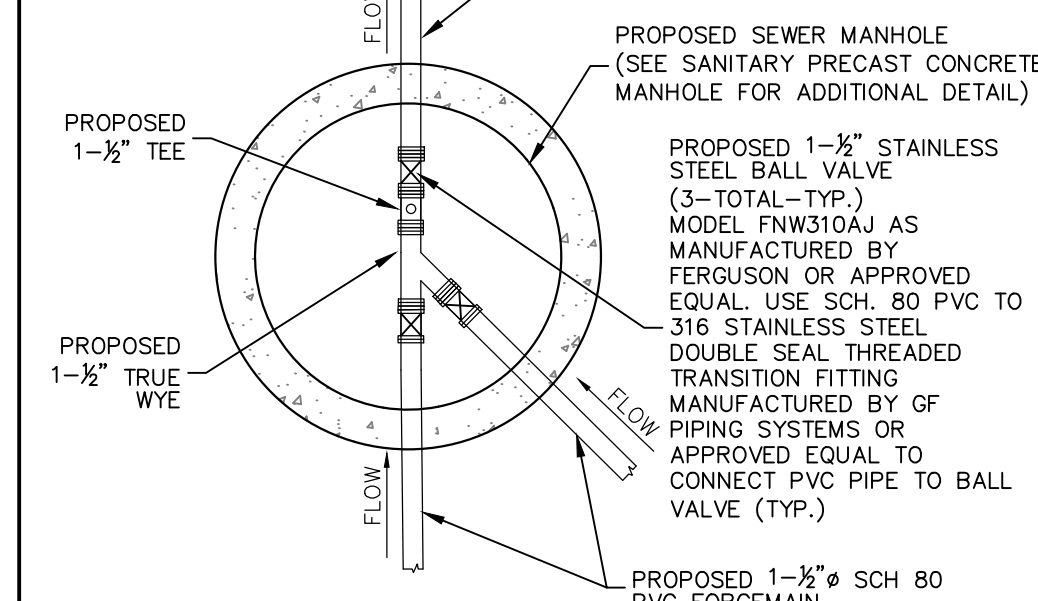
CLEAN OUT TO GRADE DETAIL
SCALE: NTS



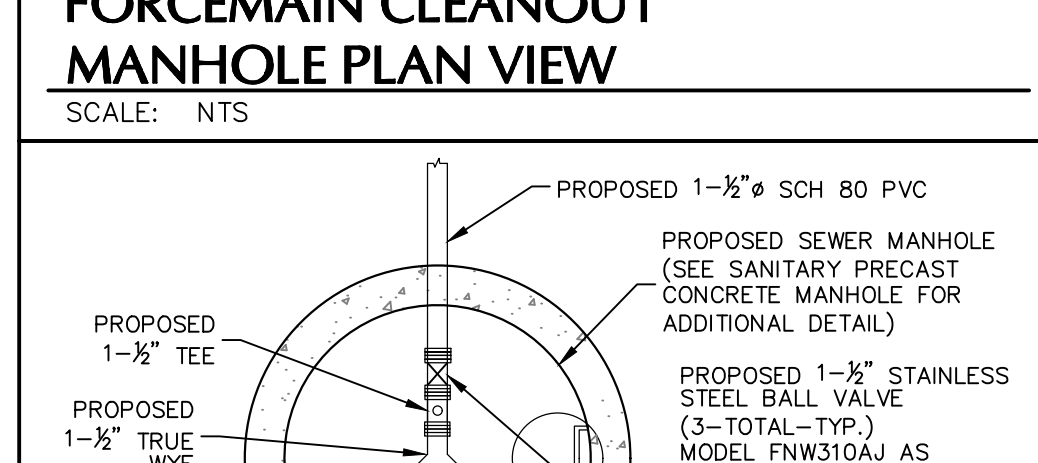
MANHOLE CHUTE
SCALE: NTS



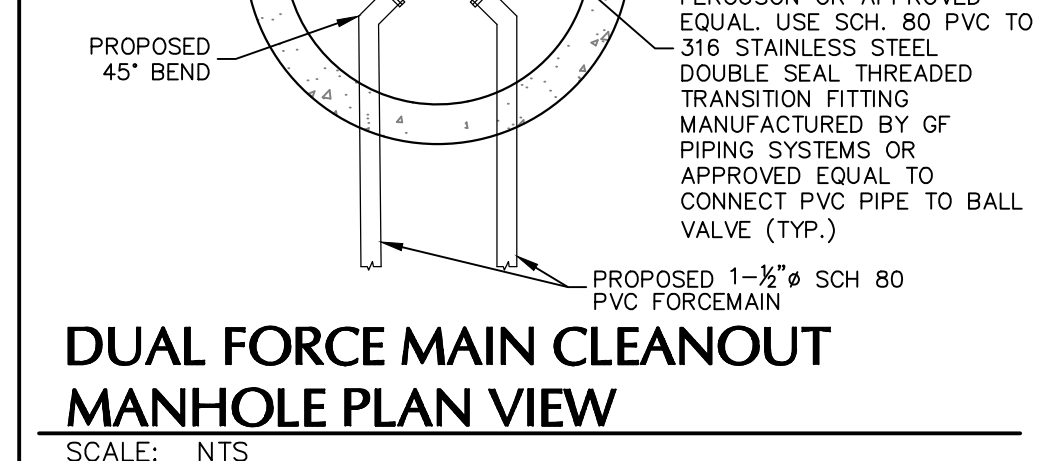
PLASTIC MANHOLE STEP
SCALE: NTS



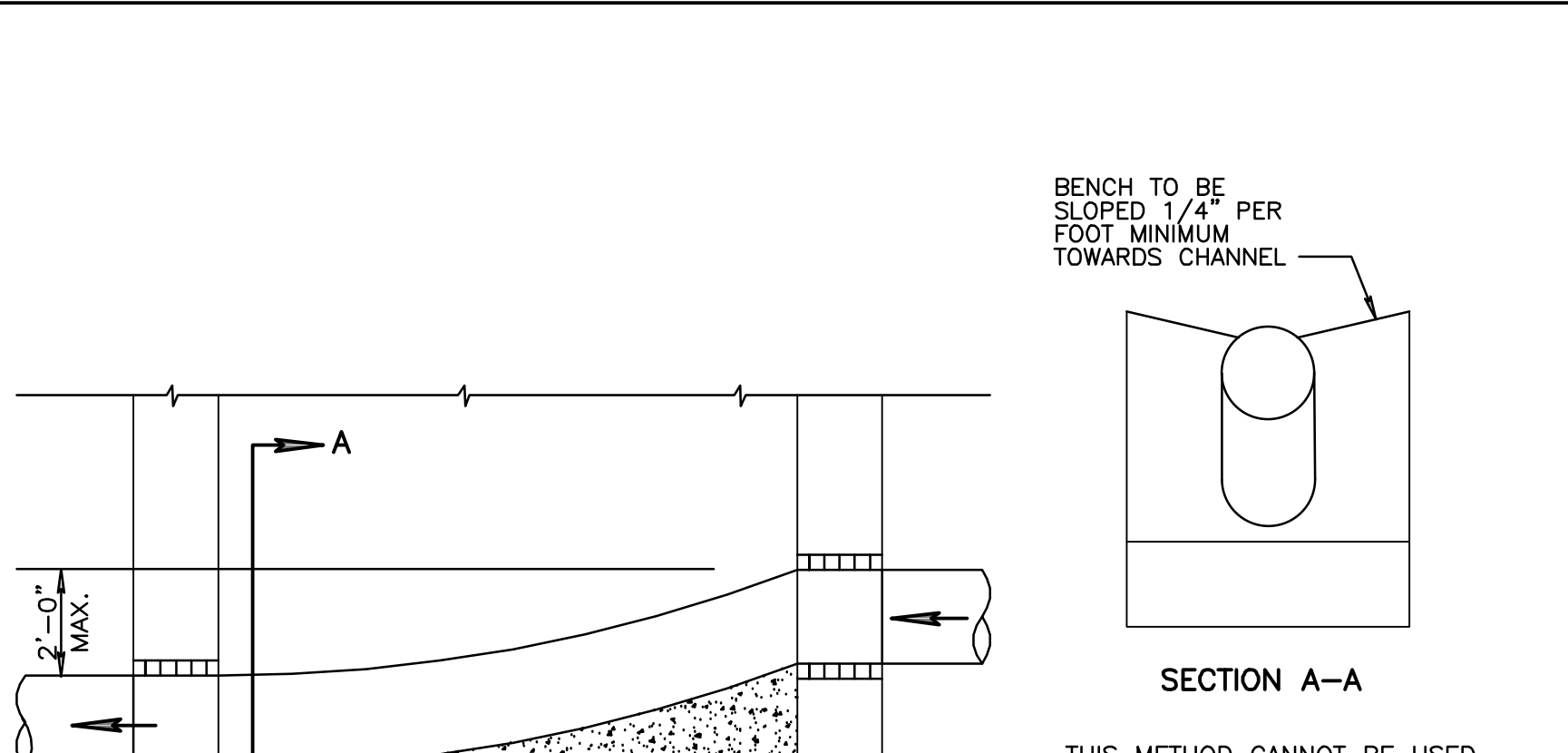
FORCEMAIN CLEANOUT MANHOLE PLAN VIEW
SCALE: NTS



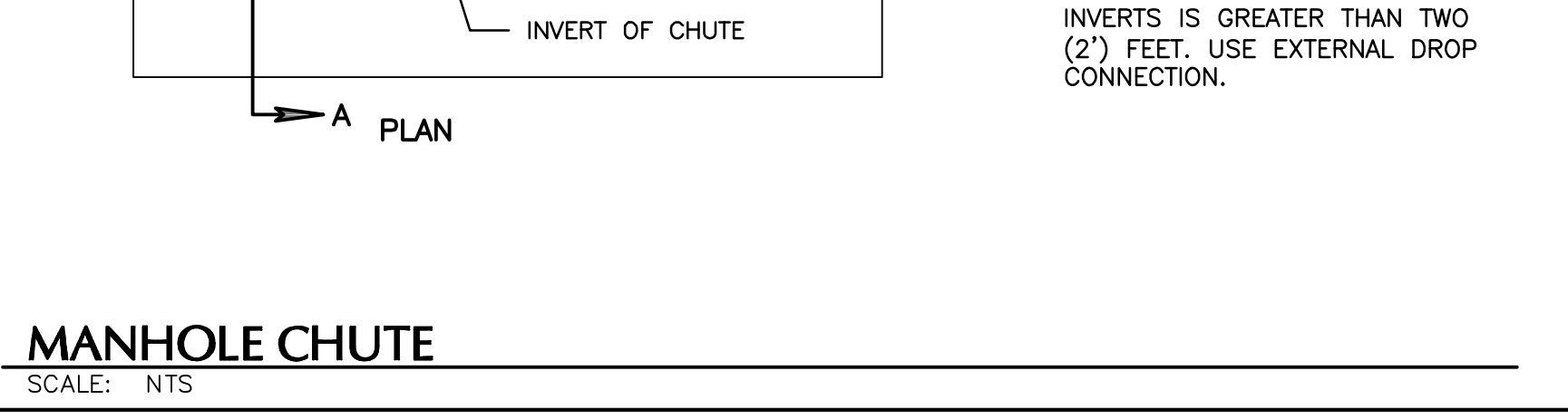
DUAL FORCE MAIN CLEANOUT MANHOLE PLAN VIEW
SCALE: NTS



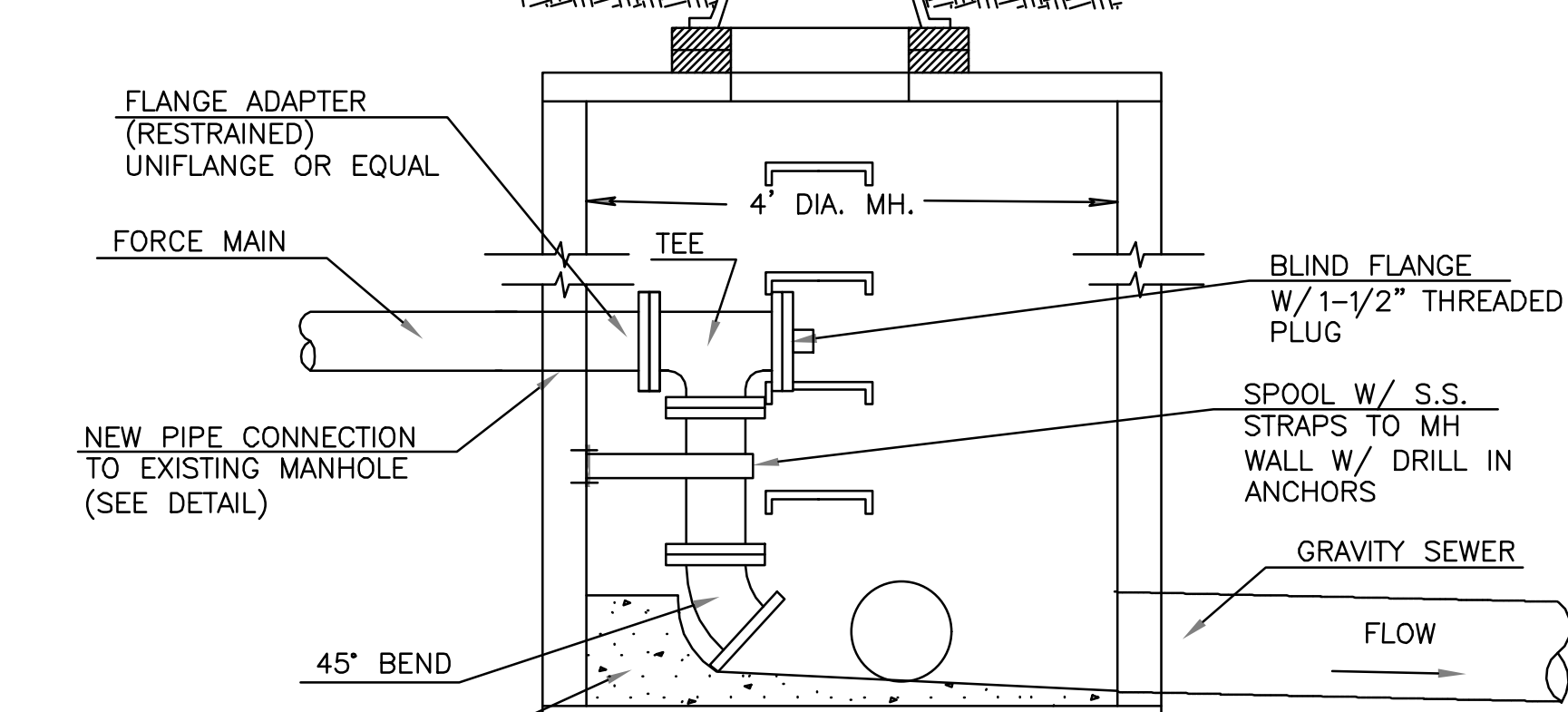
FORCE MAIN CONNECTION TO GRAVITY MANHOLE AT COMMON INVERTS
SCALE: NTS



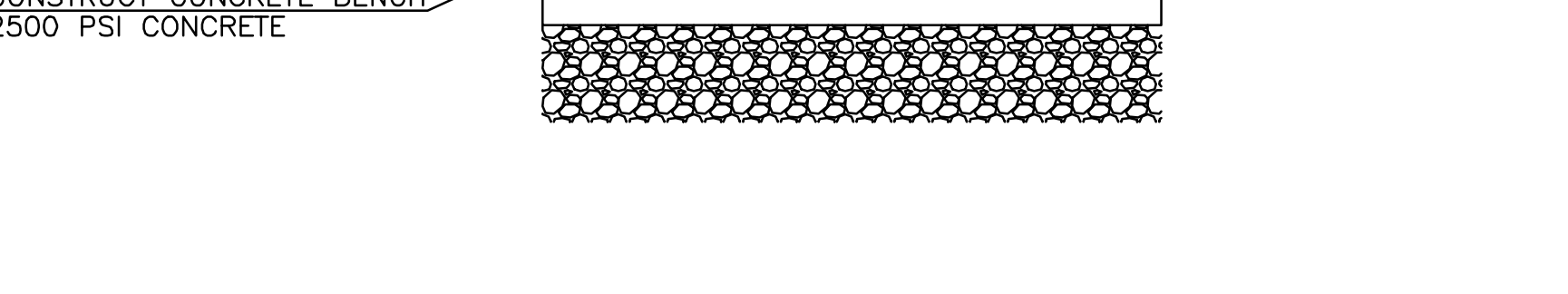
MANHOLE CHUTE
SCALE: NTS



SANITARY SEWER CLEAN-OUT FRAME & COVER DETAIL IN PAVED AREAS
SCALE: NTS



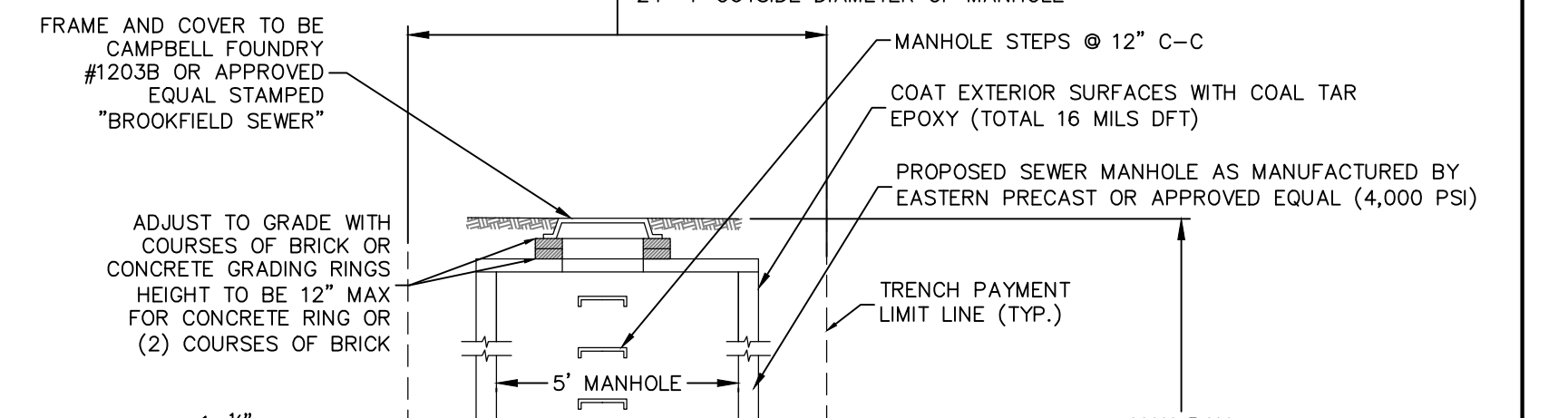
FRAME & COVER DIMENSIONS
SCALE: NTS



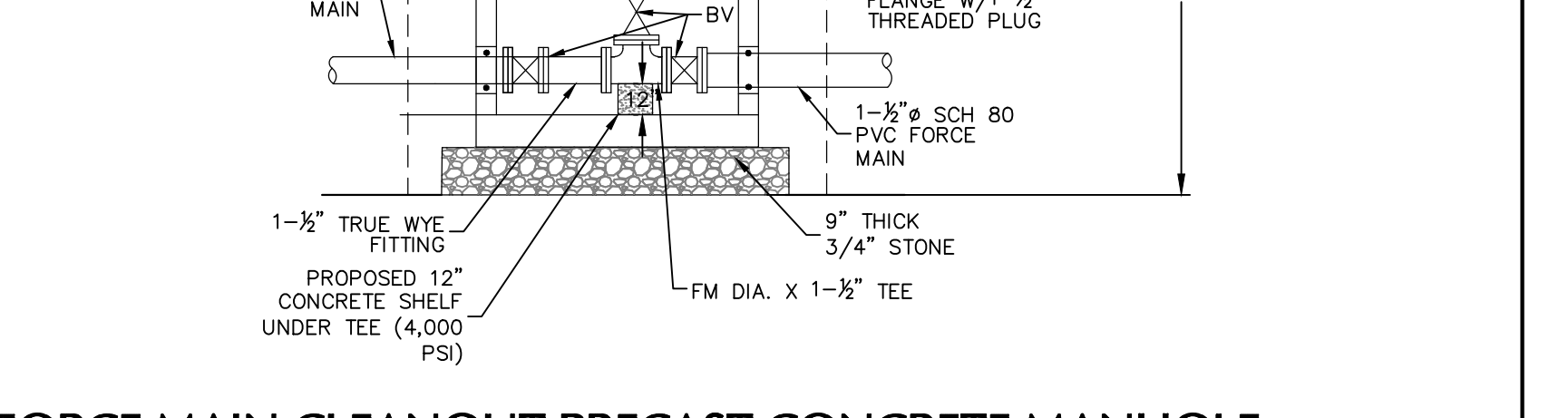
NEW PIPE CONNECTION TO EXISTING MANHOLE
SCALE: NTS



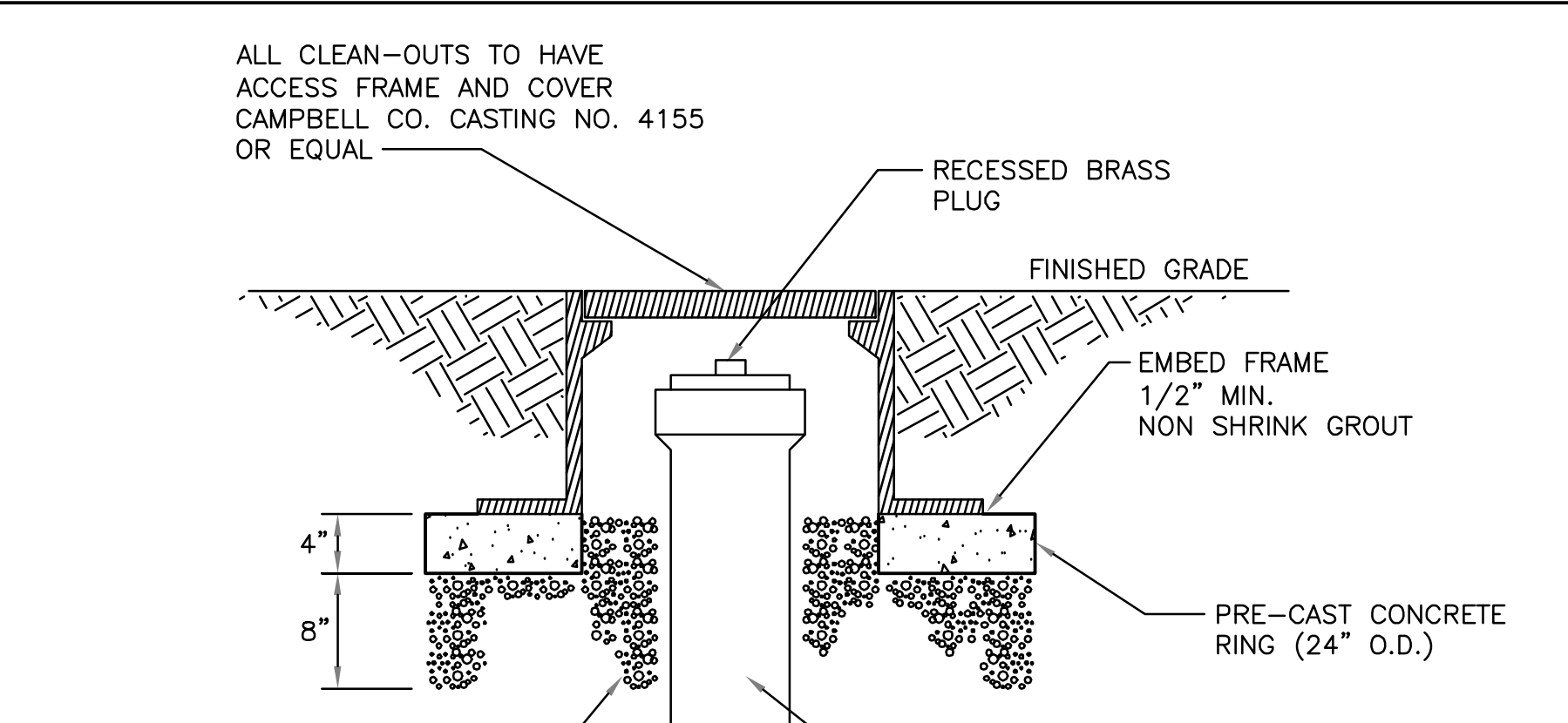
ALUMINUM MANHOLE STEPS
SCALE: NTS



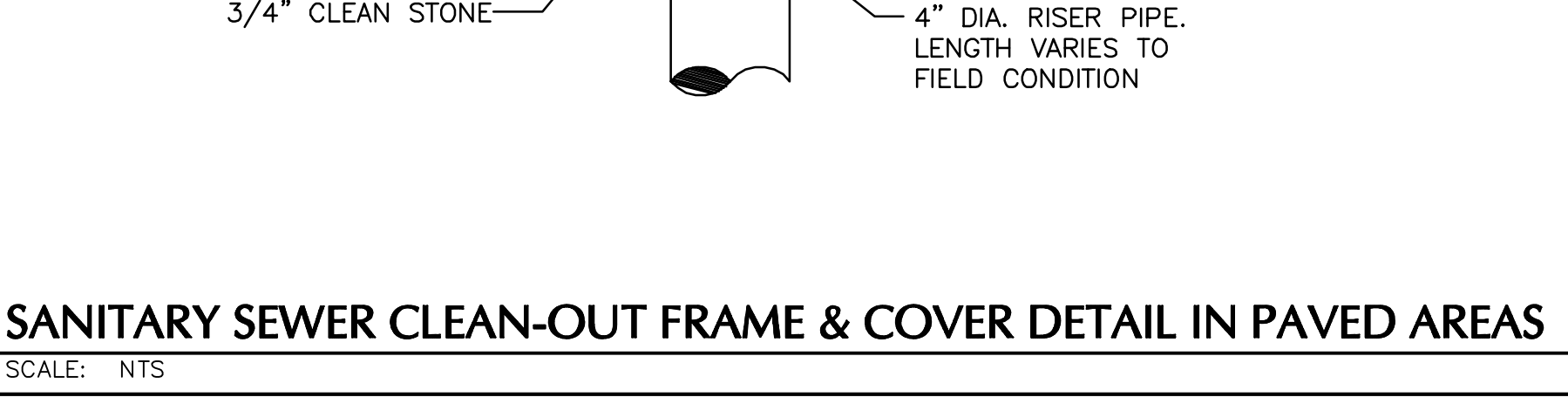
FORCE MAIN DROP CONNECTION TO GRAVITY SEWER MANHOLE
SCALE: NTS



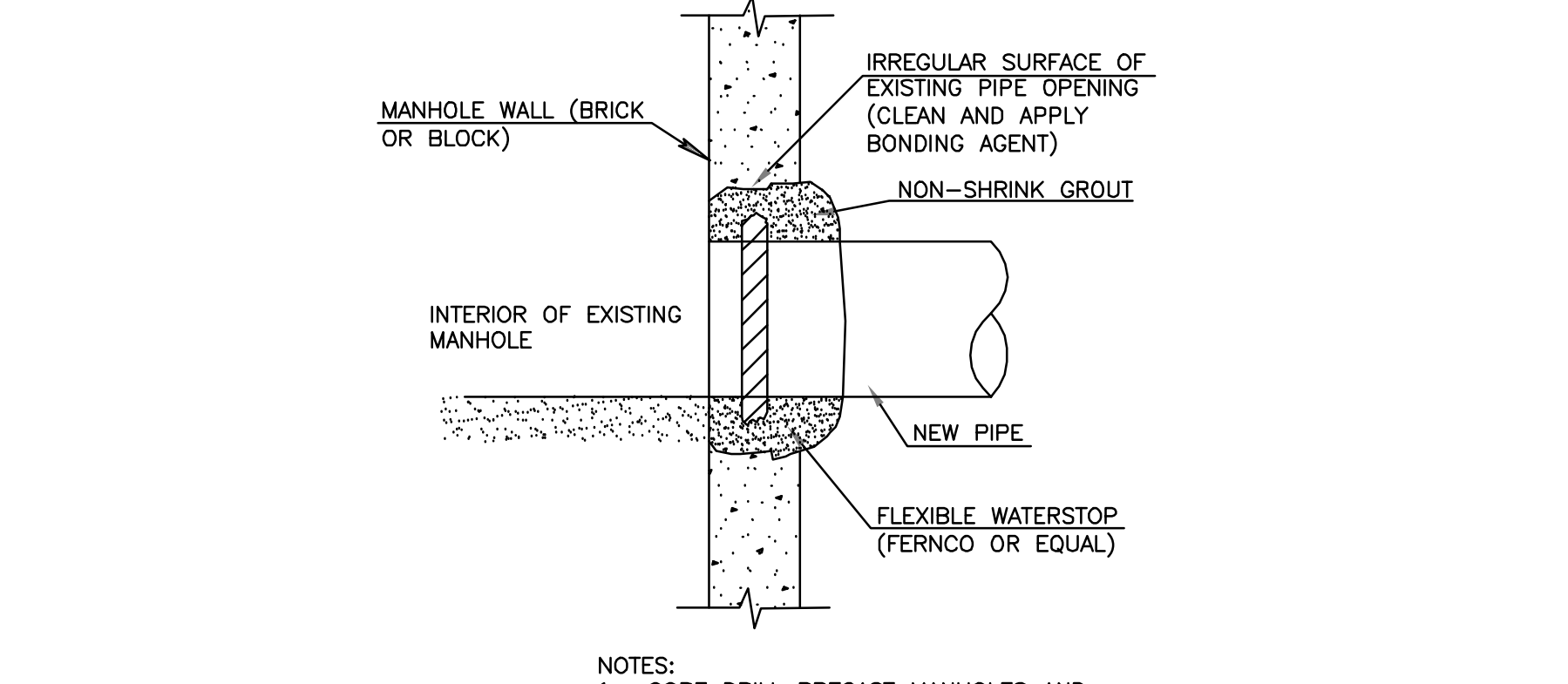
FORCE MAIN CLEANOUT PRECAST CONCRETE MANHOLE
SCALE: NTS



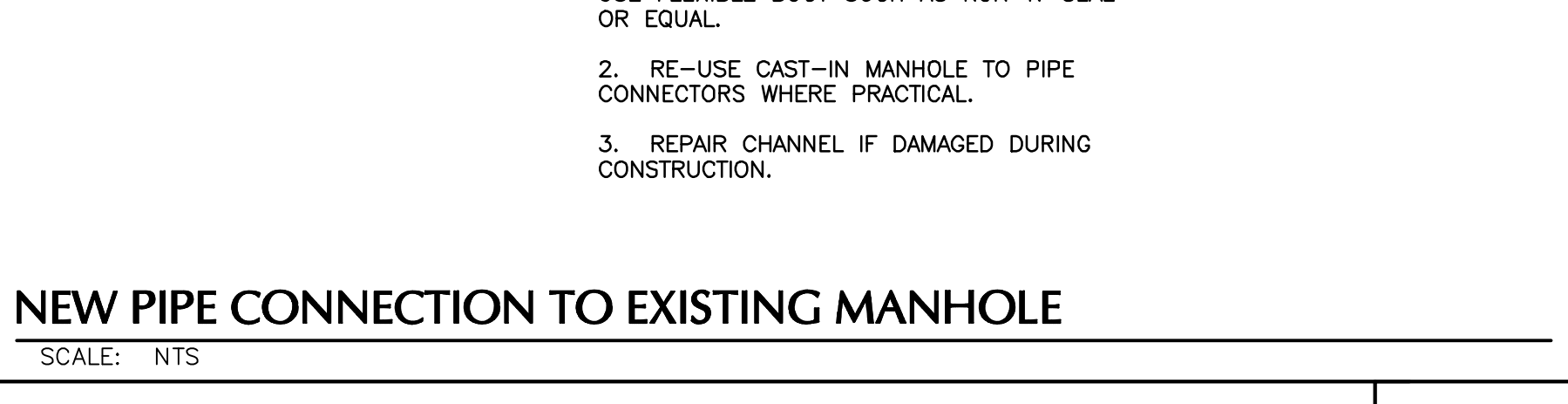
SANITARY SEWER CLEAN-OUT FRAME & COVER DETAIL IN PAVED AREAS
SCALE: NTS



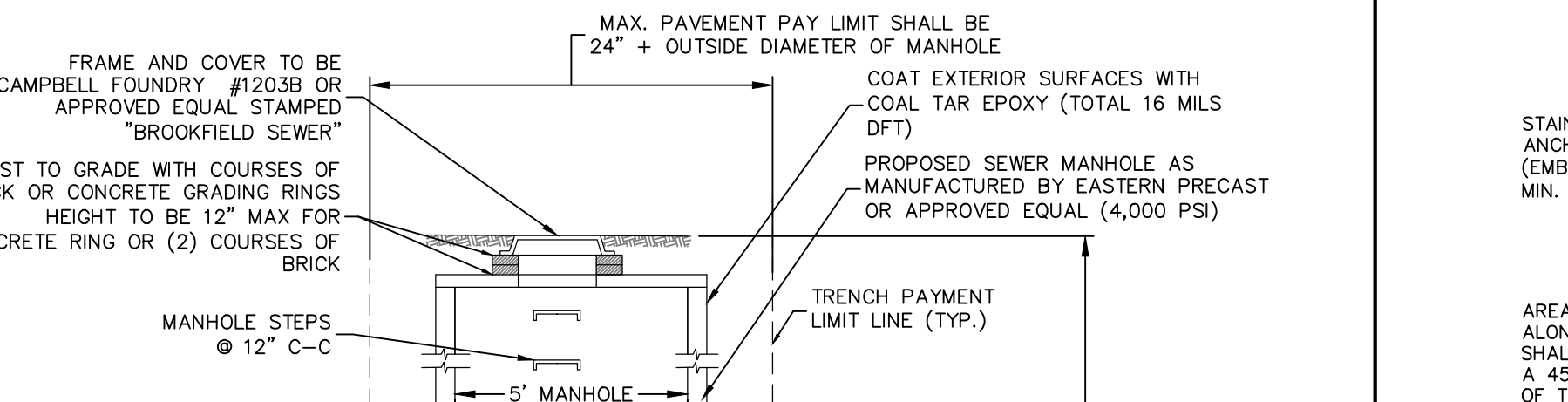
FRAME & COVER DIMENSIONS
SCALE: NTS



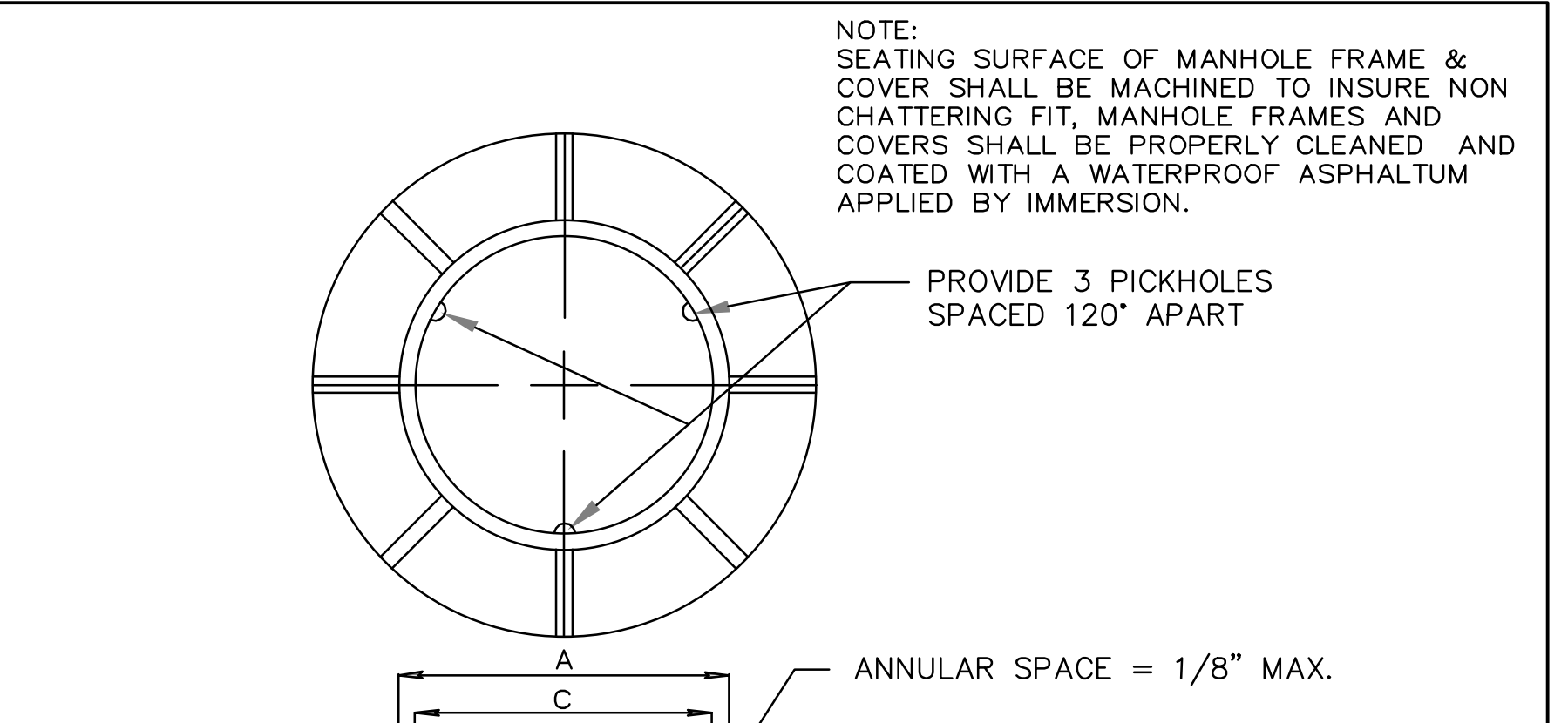
NEW PIPE CONNECTION TO EXISTING MANHOLE
SCALE: NTS



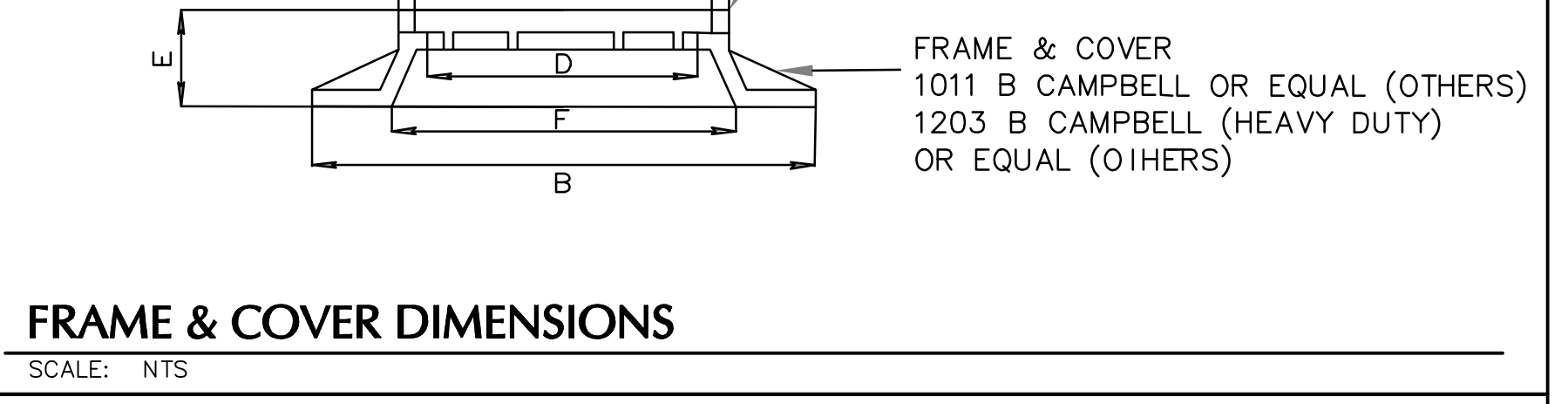
ALUMINUM MANHOLE STEPS
SCALE: NTS



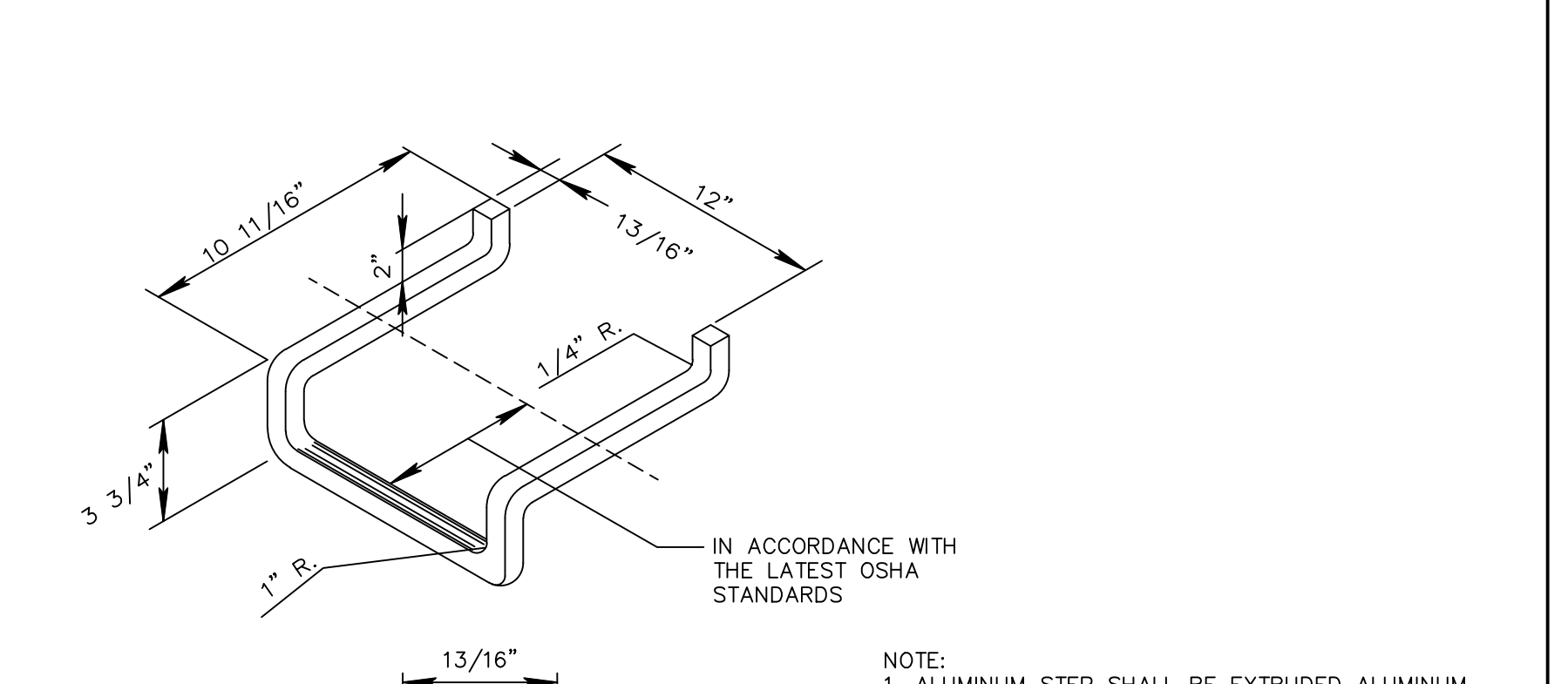
FORCE MAIN CLEANOUT PRECAST CONCRETE MANHOLE
SCALE: NTS



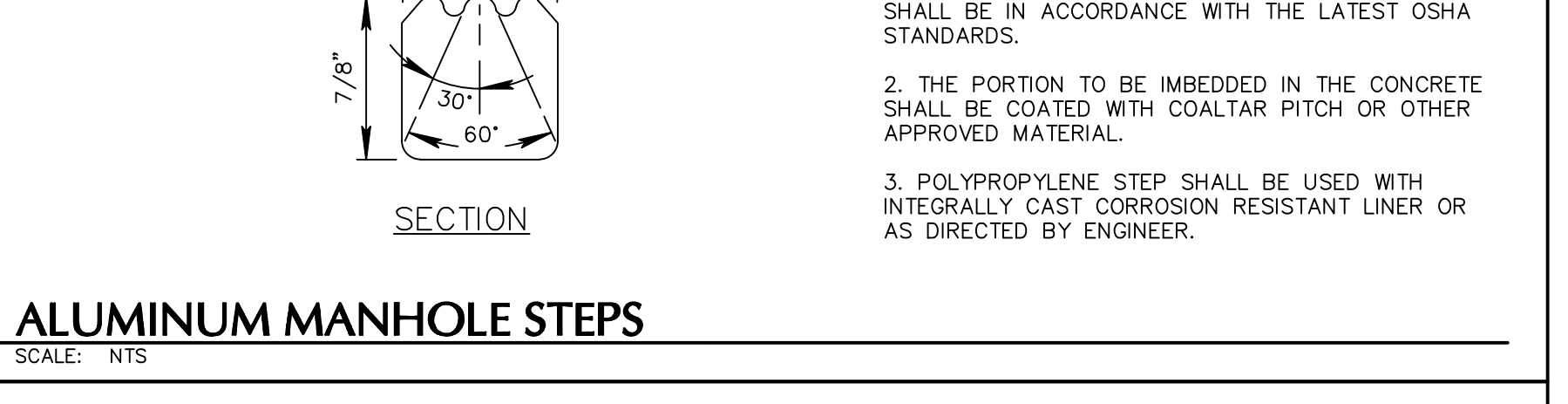
SANITARY SEWER CLEAN-OUT FRAME & COVER DETAIL IN PAVED AREAS
SCALE: NTS



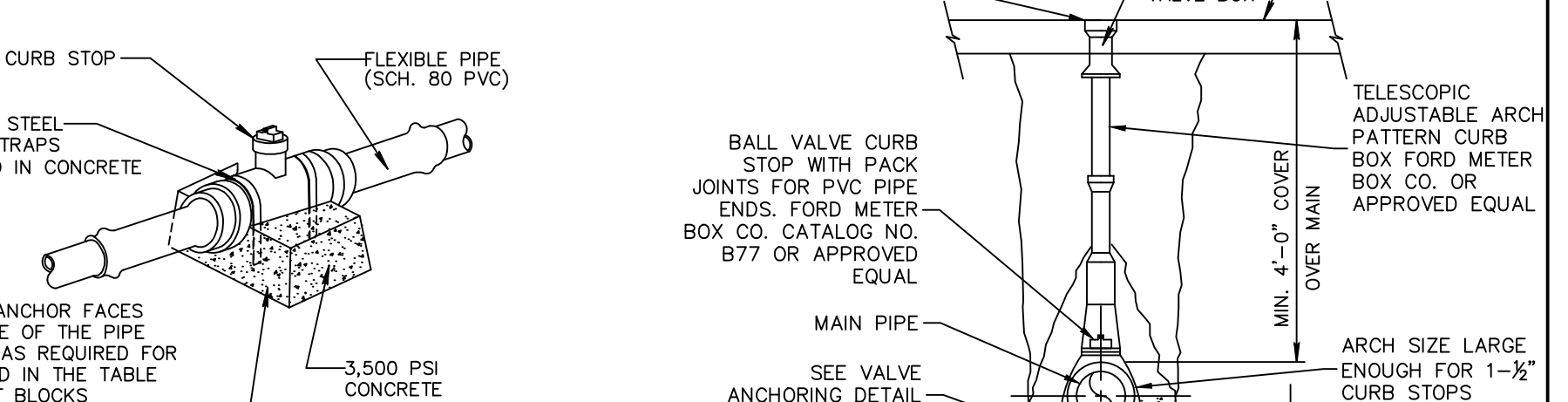
FRAME & COVER DIMENSIONS
SCALE: NTS



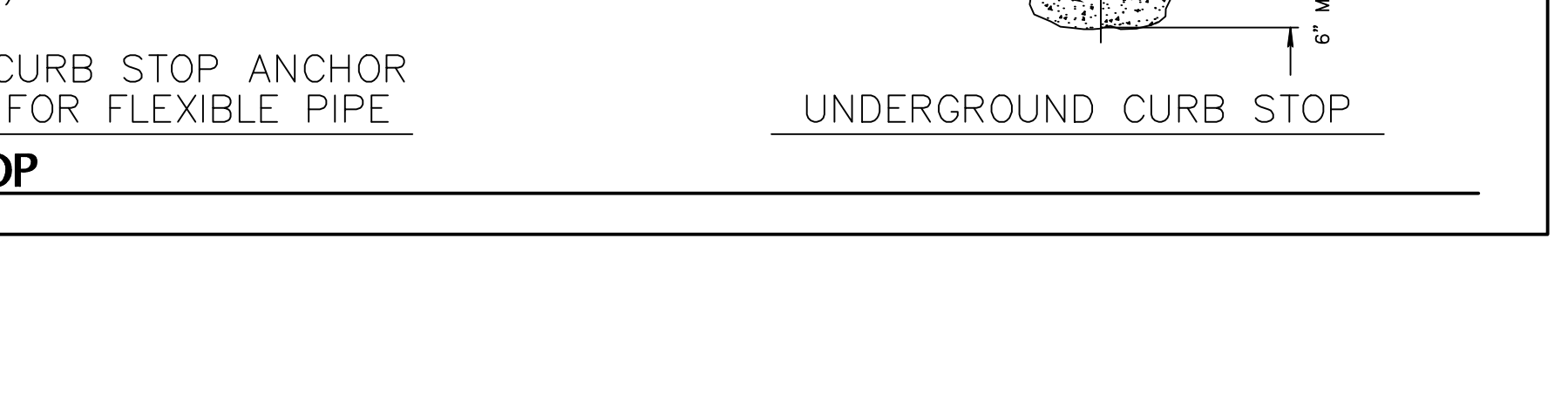
NEW PIPE CONNECTION TO EXISTING MANHOLE
SCALE: NTS



ALUMINUM MANHOLE STEPS
SCALE: NTS



CURB STOP ANCHOR FOR FLEXIBLE PIPE
SCALE: NTS



UNDERGROUND CURB STOP
SCALE: NTS

DUAL FORCE MAIN CLEANOUT PRECAST CONCRETE MANHOLE
SCALE: NTS

DUAL FORCE MAIN CLEANOUT PRECAST CONCRETE MANHOLE
SCALE: NTS

LANGAN
Langan CT, Inc.

One North Broadway, Suite 910
White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET

Fairfield County Connecticut

Project
BROOKFIELD MARKET

Drawing Title
DETAILS (3 OF 4)

Project No.
190011055

Date
JANUARY 27, 2022

Drawn By
AW

Project No.
190011055

Date
JANUARY 27, 2022

Drawn By
AW

Checked By
JK

Sheet 8 of 9

Project No.
190011055

Date
JANUARY 27, 2022

Drawn By
AW

Checked By
JK

Sheet 8 of 9

Date	Description	No.
	REVISIONS	

SIGNATURE	DATE SIGNED
W. CHARLES UTSCHIG JR.	
PROFESSIONAL ENGINEER CT Lic. No. 0019262	

LANGAN
Langan CT, Inc.

One North Broadway, Suite 910
White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET

Fairfield County Connecticut

Project No.
190011055

Date
JANUARY 27, 2022

Drawn By
AW

Checked By
JK

Sheet 8 of 9

Project No.
190011055

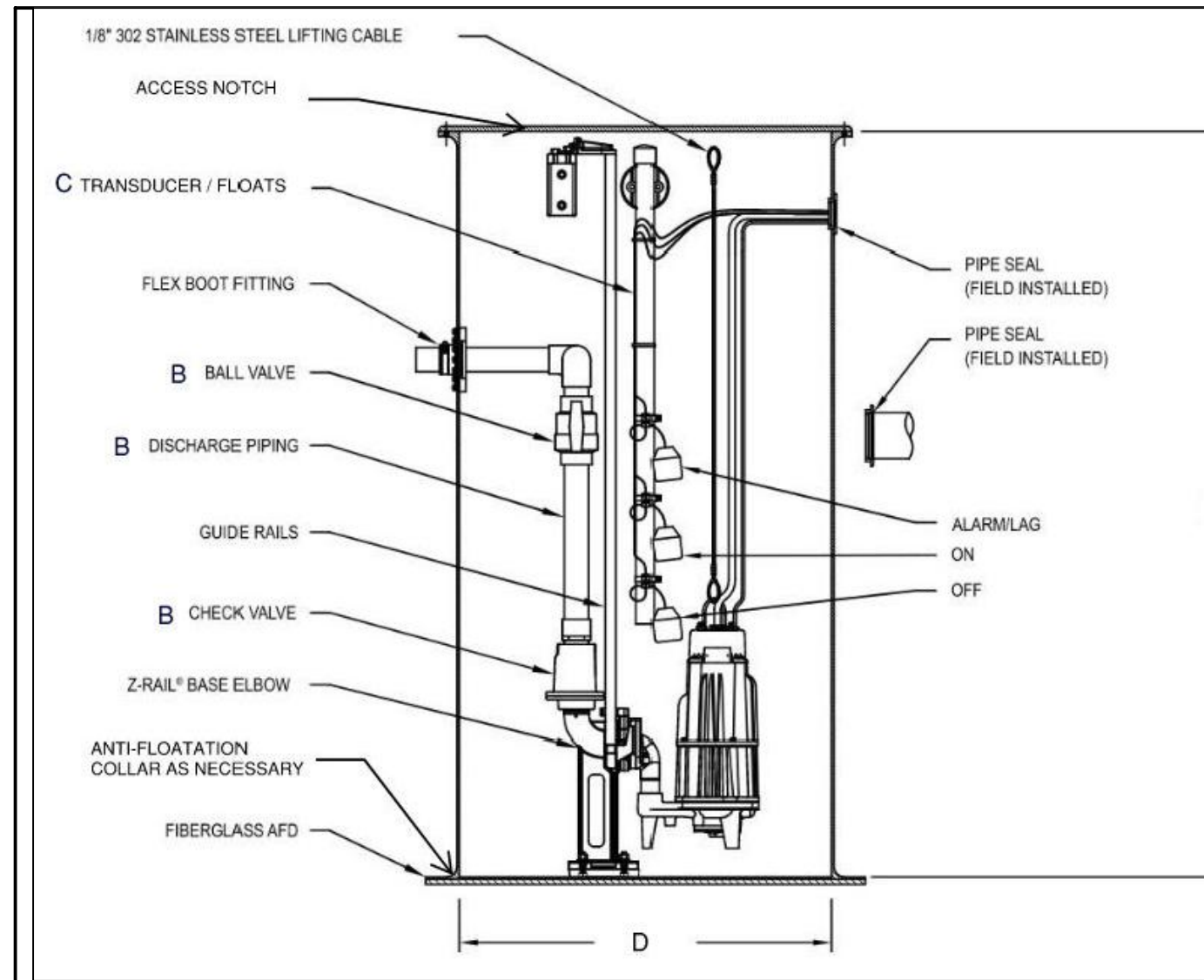
Date
JANUARY 27, 2022

Drawn By
AW

Checked By
JK

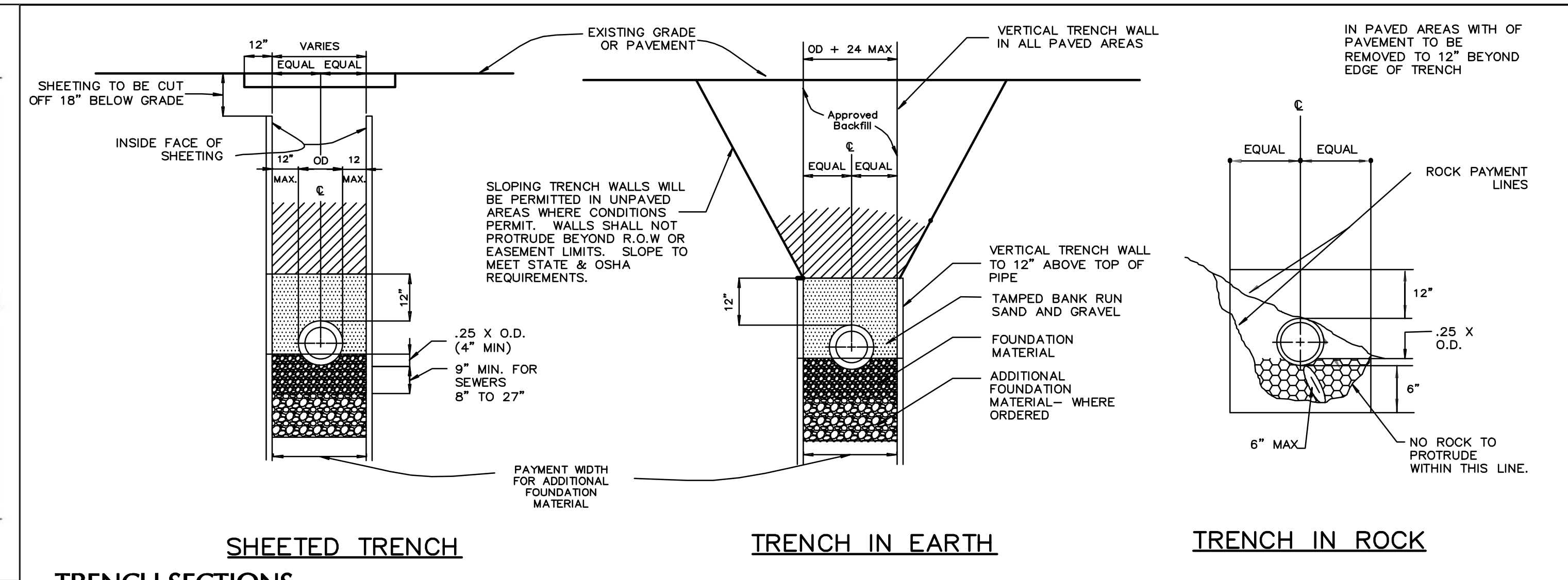
Sheet 8 of 9

PROJECT NO. 190011055 Langan

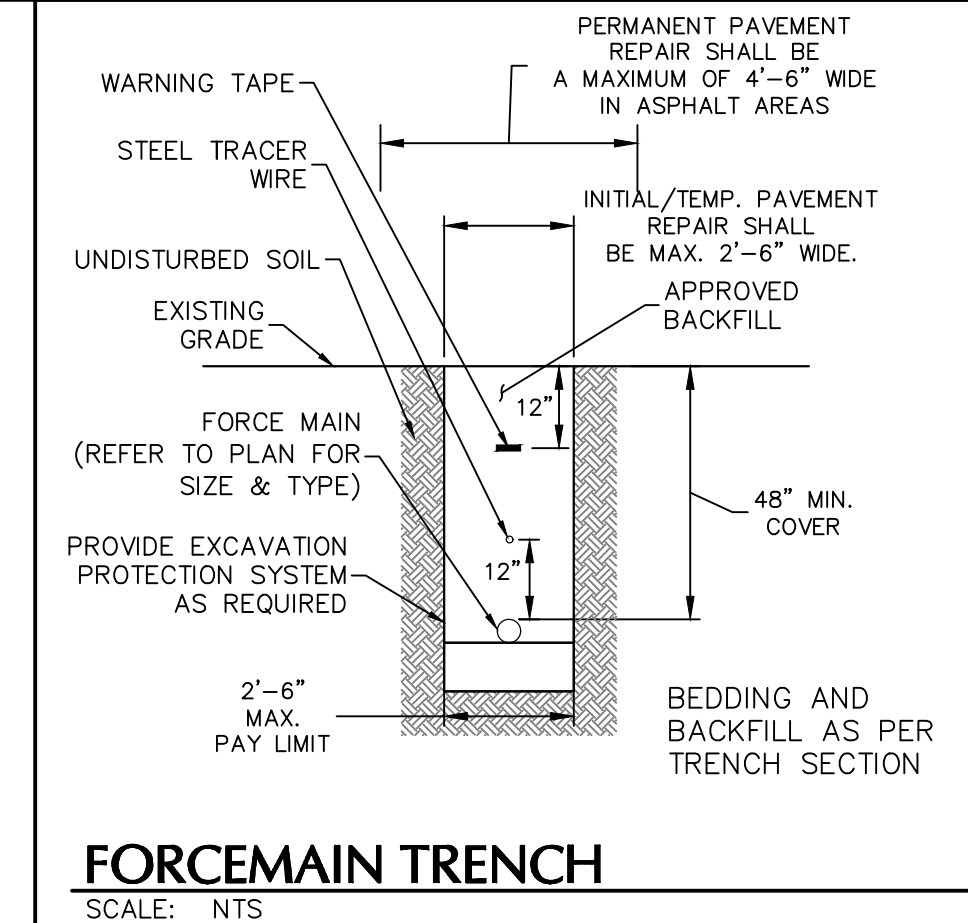


STATION	PUMPS	A	B	C	D
1	2	9'	2"	TRANSDUCER	48"
3	1	7.5'	1-1/2"	FLOATS	36"
7	2	12'	2"	TRANSDUCER	48"
8	1	10.5'	1.5"	FLOATS	36"
9	1	7'	1.5"	FLOATS	36"

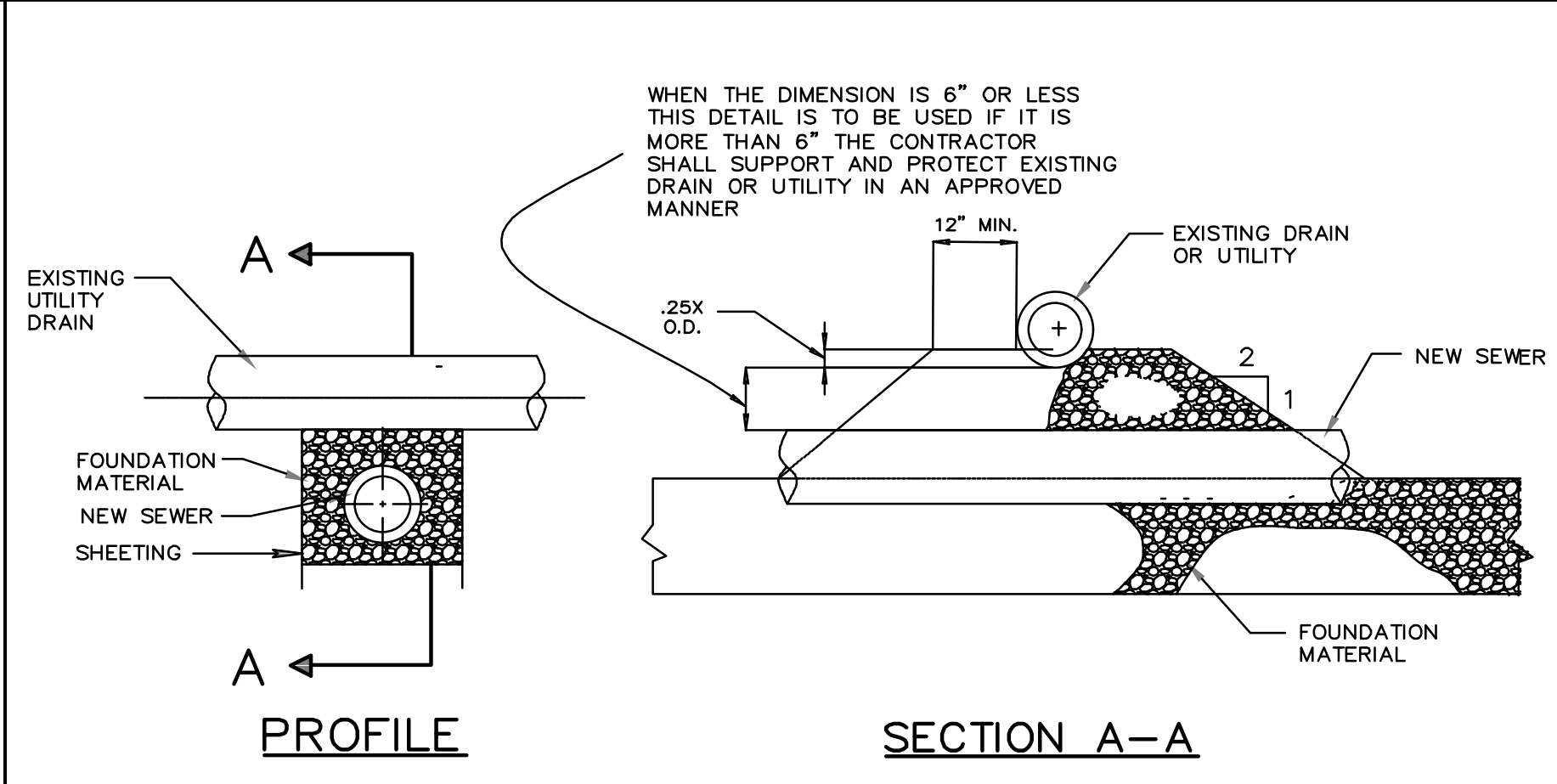
PUMP STATION
SCALE: NTS



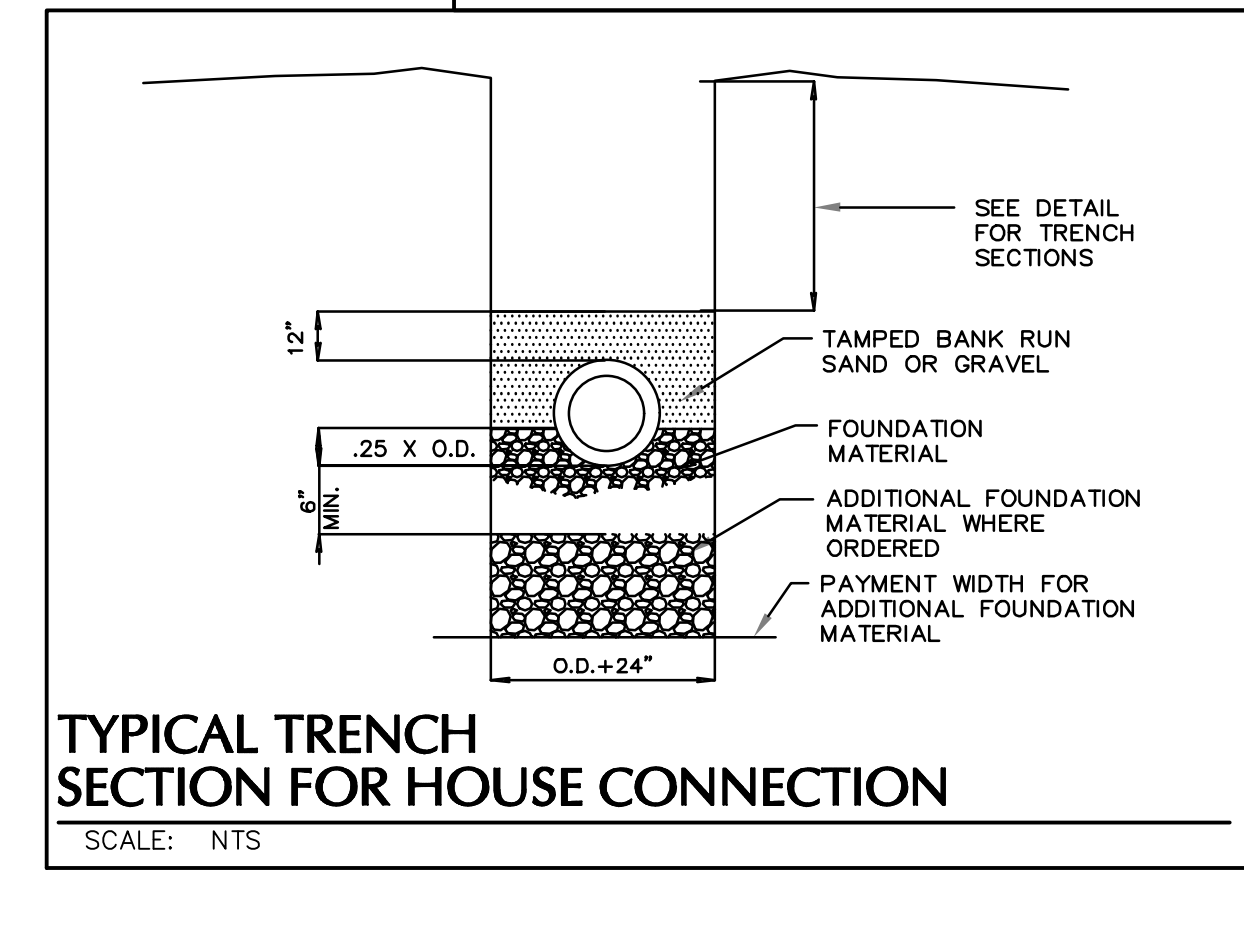
TRENCH SECTIONS
SCALE: NTS



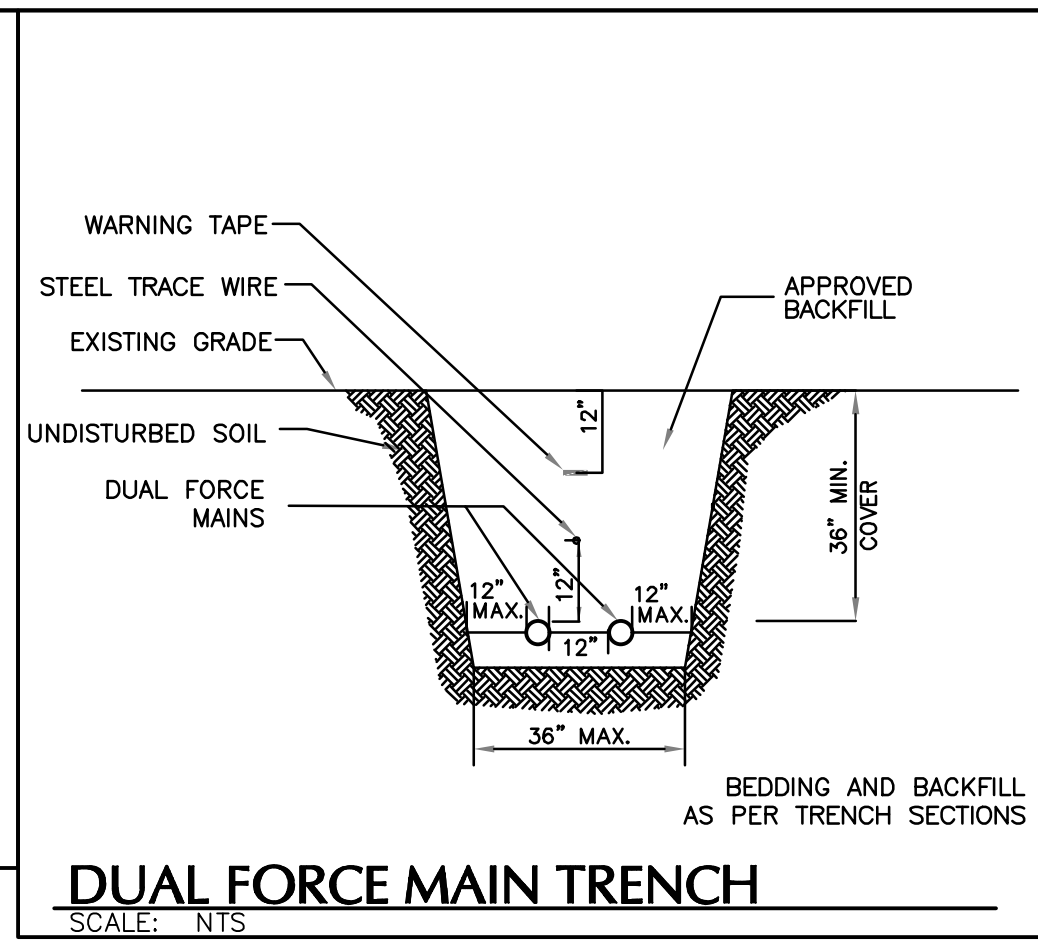
FORCEMAIN TRENCH
SCALE: NTS



SEWER CROSSING BELOW EXISTING DRAIN OR UTILITY
SCALE: NTS



TYPICAL TRENCH SECTION FOR HOUSE CONNECTION
SCALE: NTS



DUAL FORCE MAIN TRENCH
SCALE: NTS

Date	Description	No.
REVISIONS		

SIGNATURE _____ DATE SIGNED _____
W. CHARLES UTSCHIG JR.
PROFESSIONAL ENGINEER CT Lic. No. 0019262

LANGAN
Langan CT, Inc.
One North Broadway, Suite 910
White Plains, NY 10601
T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
TOWN OF BROOKFIELD
FAIRFIELD COUNTY CONNECTICUT

Drawing Title
DETAILS (4 OF 4)

Project No.
190011055
Date
JANUARY 27, 2022
Drawn By
AW
Checked By
JK
Drawing No.
CS504
Sheet **g** of **g**

ELECTRICAL UTILITY COORDINATION NOTES:

- FOR ELECTRICAL SERVICE CONTACT STEVE DODGE FROM EVERSOURCE AT 203-805-1029. REFERENCE WORK ORDER 7994795.

CONTRACTOR RESPONSIBILITIES:

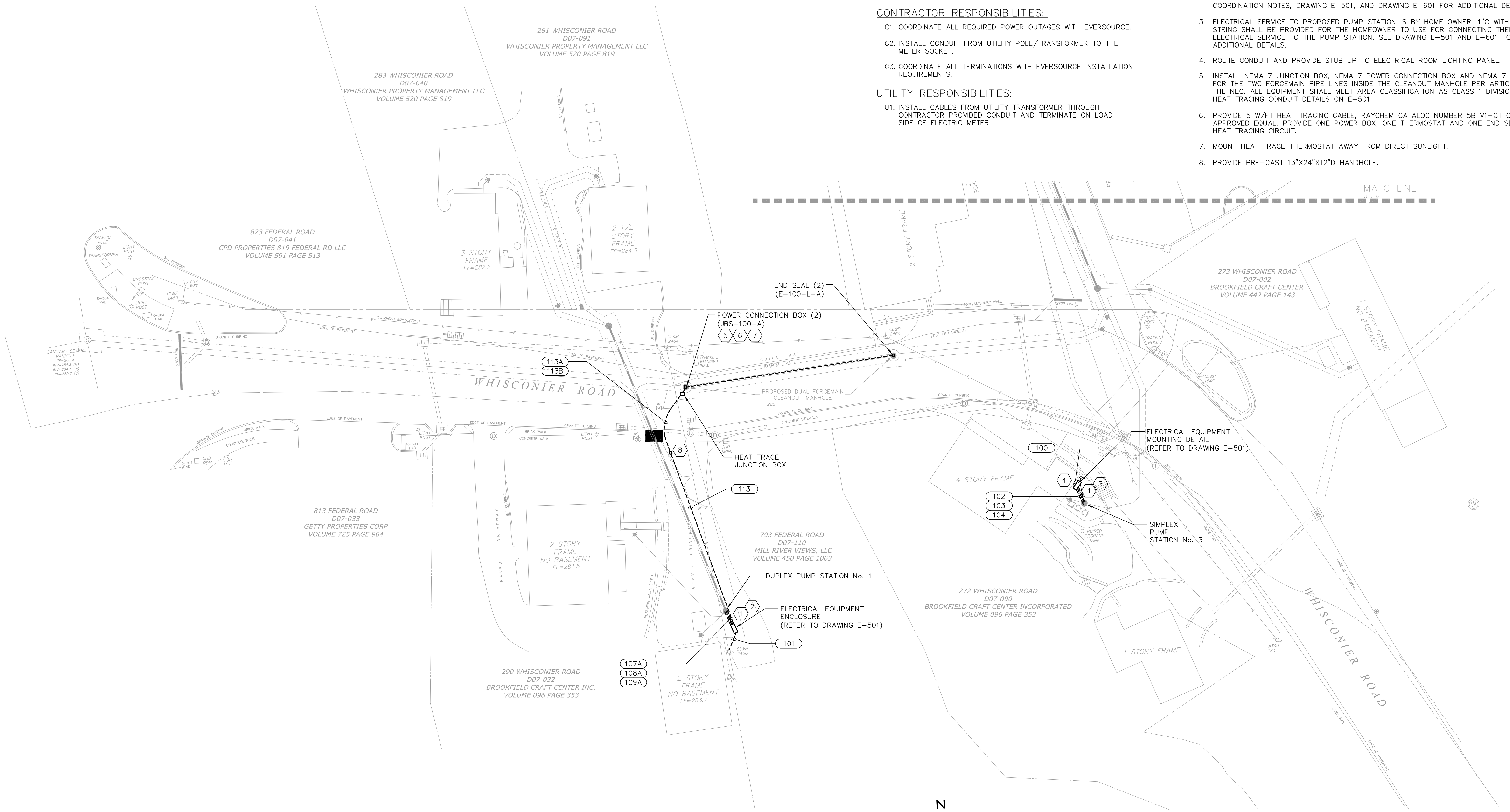
- COORDINATE ALL REQUIRED POWER OUTAGES WITH EVERSOURCE.
- INSTALL CONDUIT FROM UTILITY POLE/TRANSFORMER TO THE METER SOCKET.
- COORDINATE ALL TERMINATIONS WITH EVERSOURCE INSTALLATION REQUIREMENTS.

UTILITY RESPONSIBILITIES:

- INSTALL CABLES FROM UTILITY TRANSFORMER THROUGH CONTRACTOR PROVIDED CONDUIT AND TERMINATE ON LOAD SIDE OF ELECTRIC METER.

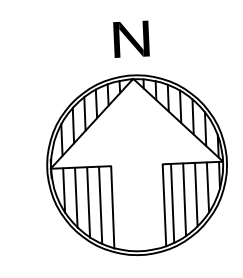
KEYNOTES:

- ELECTRICAL EQUIPMENT MUST BE MOUNTED AT LEAST THREE FEET AWAY FROM THE PUMP STATION WET WELL HATCH.
- PROVIDE NEW ELECTRICAL SERVICE TO PROPOSED PUMP STATION. SEE ELECTRICAL UTILITY COORDINATION NOTES, DRAWING E-501, AND DRAWING E-601 FOR ADDITIONAL DETAILS.
- ELECTRICAL SERVICE TO PROPOSED PUMP STATION IS BY HOME OWNER. 1"Ø WITH PULL STRING SHALL BE PROVIDED FOR THE HOMEOWNER TO USE FOR CONNECTING THEIR ELECTRICAL SERVICE TO THE PUMP STATION. SEE DRAWING E-501 AND E-601 FOR ADDITIONAL DETAILS.
- ROUTE CONDUIT AND PROVIDE STUB UP TO ELECTRICAL ROOM LIGHTING PANEL.
- INSTALL NEMA 7 JUNCTION BOX, NEMA 7 POWER CONNECTION BOX AND NEMA 7 END SEAL FOR THE TWO FORCEMAIN PIPE LINES INSIDE THE CLEANOUT MANHOLE PER ARTICLE 500 OF THE NEC. ALL EQUIPMENT SHALL MEET AREA CLASSIFICATION AS CLASS 1 DIVISION II. SEE HEAT TRACING CONDUIT DETAILS ON E-501.
- PROVIDE 5 W/FT HEAT TRACING CABLE, RAYCHEM CATALOG NUMBER 5BTV1-CT OR APPROVED EQUAL. PROVIDE ONE POWER BOX, ONE THERMOSTAT AND ONE END SEAL PER HEAT TRACING CIRCUIT.
- MOUNT HEAT TRACE THERMOSTAT AWAY FROM DIRECT SUNLIGHT.
- PROVIDE PRE-CAST 13"x24"x12"D HANDLE.



ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"
 0 5 10 15
 SCALE IN FEET



LEGEND:
 ——— EXISTING
 ——— NEW

HAMILTON, NEW JERSEY
 (609) 512-5800
 KEGI.NET

Date	Description	No.
11/11/22	ISSUED FOR BID	0
REVISIONS		

SIGNATURE *William F. Bleiler* **DATE SIGNED** 11/11/22
 WILLIAM F. BLEILER
 PROFESSIONAL ENGINEER CT Lic. No. 0033413

LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
 BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
 ELECTRICAL
 SITE PLAN
 (1 of 2)

Project No. 19001055	Drawing No. E-101
Date JANUARY 21, 2022	
Drawn By CJB/KDR	
Checked By SJ	
Sheet 1 of 4	

ELECTRICAL UTILITY COORDINATION NOTES:

1. FOR ELECTRICAL SERVICE CONTACT STEVE DODGE FROM EVERSOURCE AT 203-805-1029. REFERENCE WORK ORDER 7994853.

CONTRACTOR RESPONSIBILITIES:

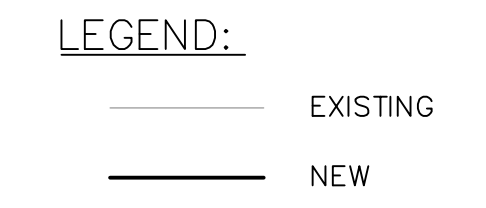
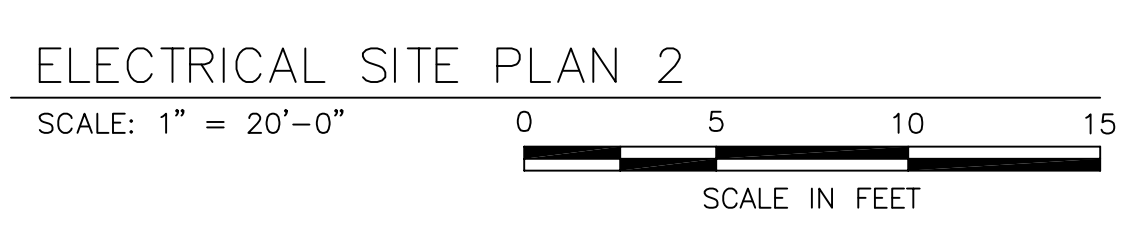
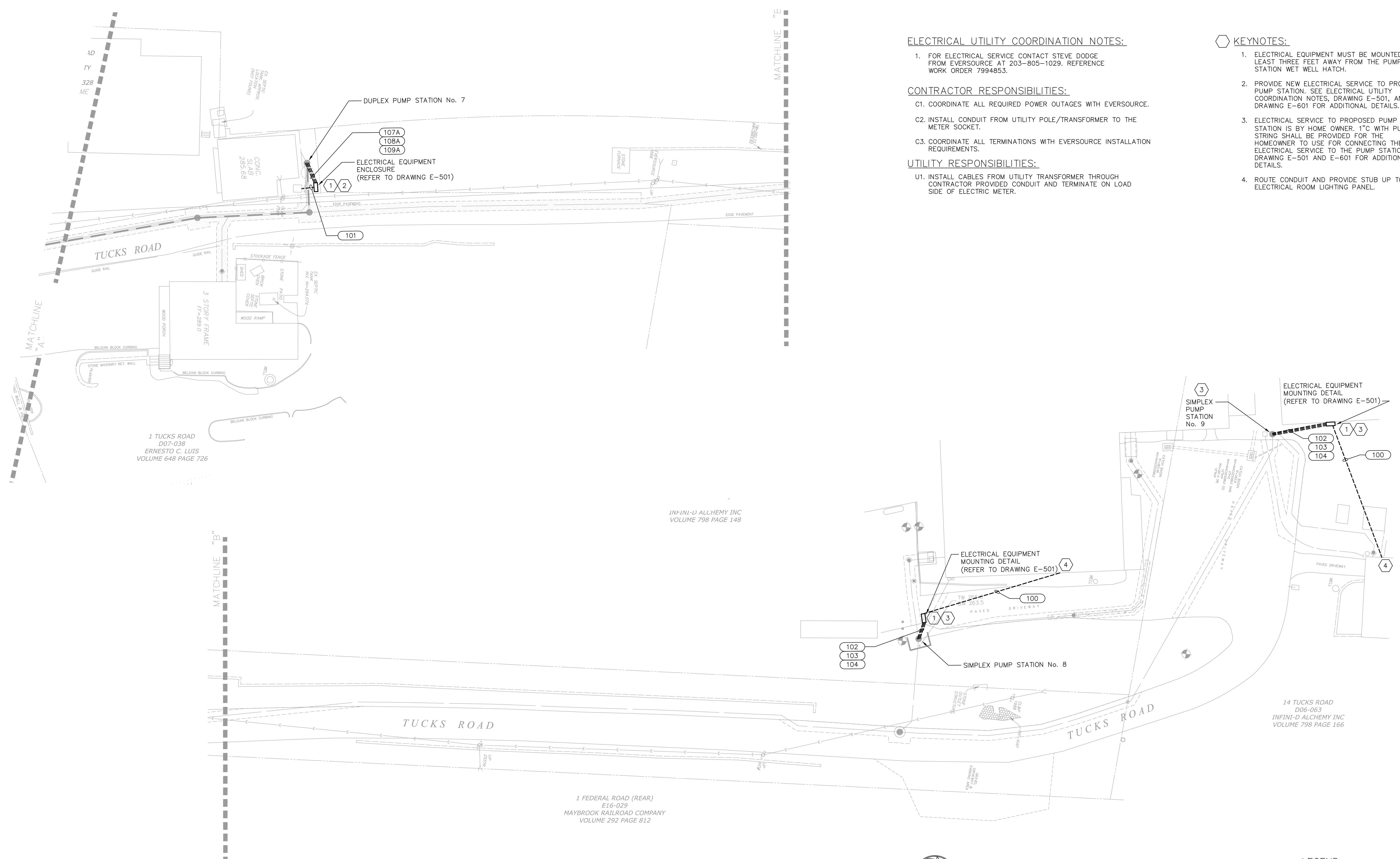
- C1. COORDINATE ALL REQUIRED POWER OUTAGES WITH EVERSOURCE.
- C2. INSTALL CONDUIT FROM UTILITY POLE/TRANSFORMER TO THE METER SOCKET.
- C3. COORDINATE ALL TERMINATIONS WITH EVERSOURCE INSTALLATION REQUIREMENTS.

UTILITY RESPONSIBILITIES:

- U1. INSTALL CABLES FROM UTILITY TRANSFORMER THROUGH CONTRACTOR PROVIDED CONDUIT AND TERMINATE ON LOAD SIDE OF ELECTRIC METER.

KEYNOTES:

1. ELECTRICAL EQUIPMENT MUST BE MOUNTED AT LEAST THREE FEET AWAY FROM THE PUMP STATION WET WELL HATCH.
2. PROVIDE NEW ELECTRICAL SERVICE TO PROPOSED PUMP STATION. SEE ELECTRICAL UTILITY COORDINATION NOTES, DRAWING E-501, AND DRAWING E-601 FOR ADDITIONAL DETAILS.
3. ELECTRICAL SERVICE TO PROPOSED PUMP STATION IS BY HOME OWNER. 1" WITH PULL STRING SHALL BE PROVIDED FOR THE HOMEOWNER TO USE FOR CONNECTING THEIR ELECTRICAL SERVICE TO THE PUMP STATION. SEE DRAWING E-501 AND E-601 FOR ADDITIONAL DETAILS.
4. ROUTE CONDUIT AND PROVIDE STUB UP TO ELECTRICAL ROOM LIGHTING PANEL.



Date	Description	No.
11/11/22	ISSUED FOR BID	0
REVISIONS		

SIGNATURE *William F. Bleiler* **DATE SIGNED** 11/11/22

WILLIAM F. BLEILER
 PROFESSIONAL ENGINEER CT Lic. No. 0033413

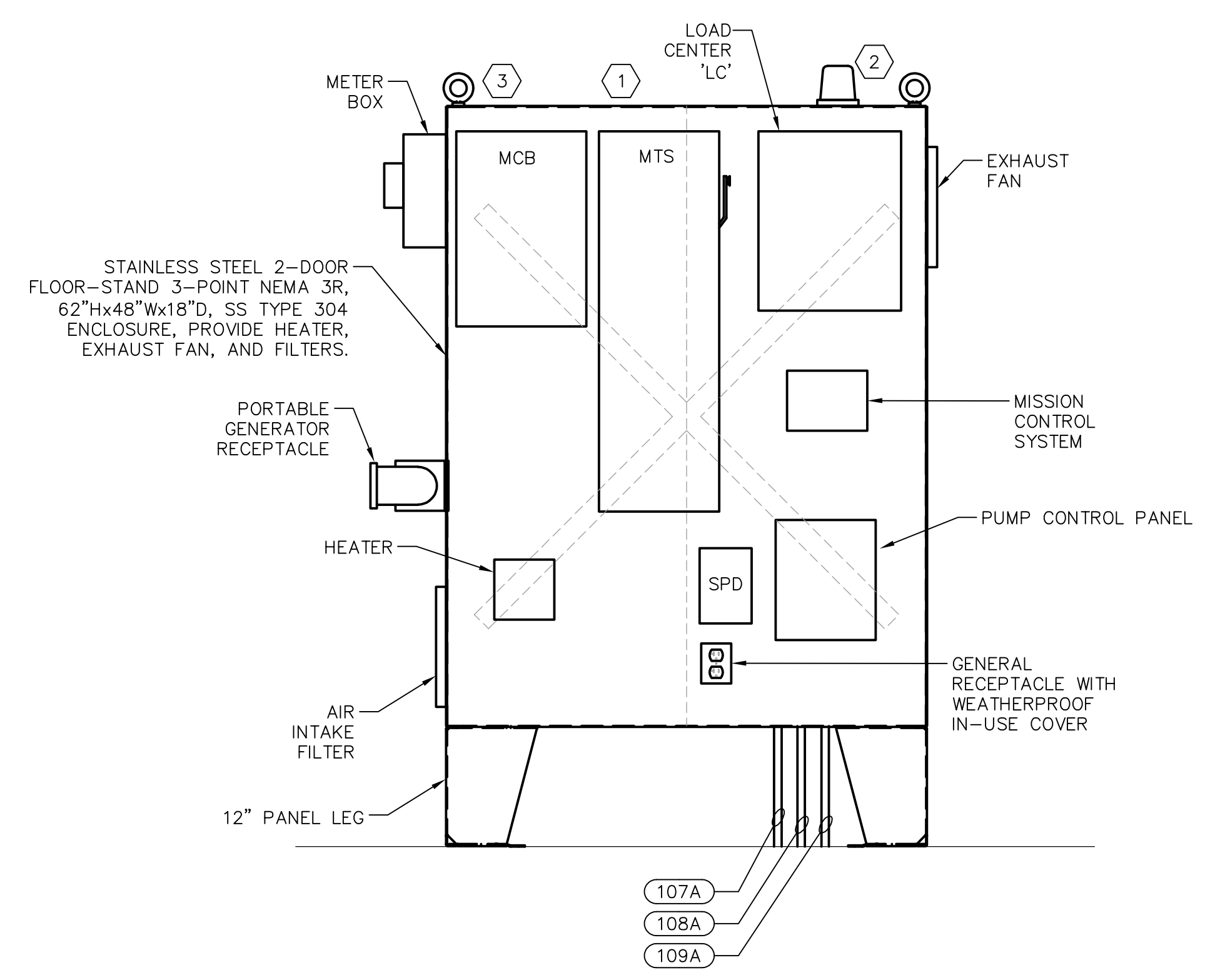
LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
 BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

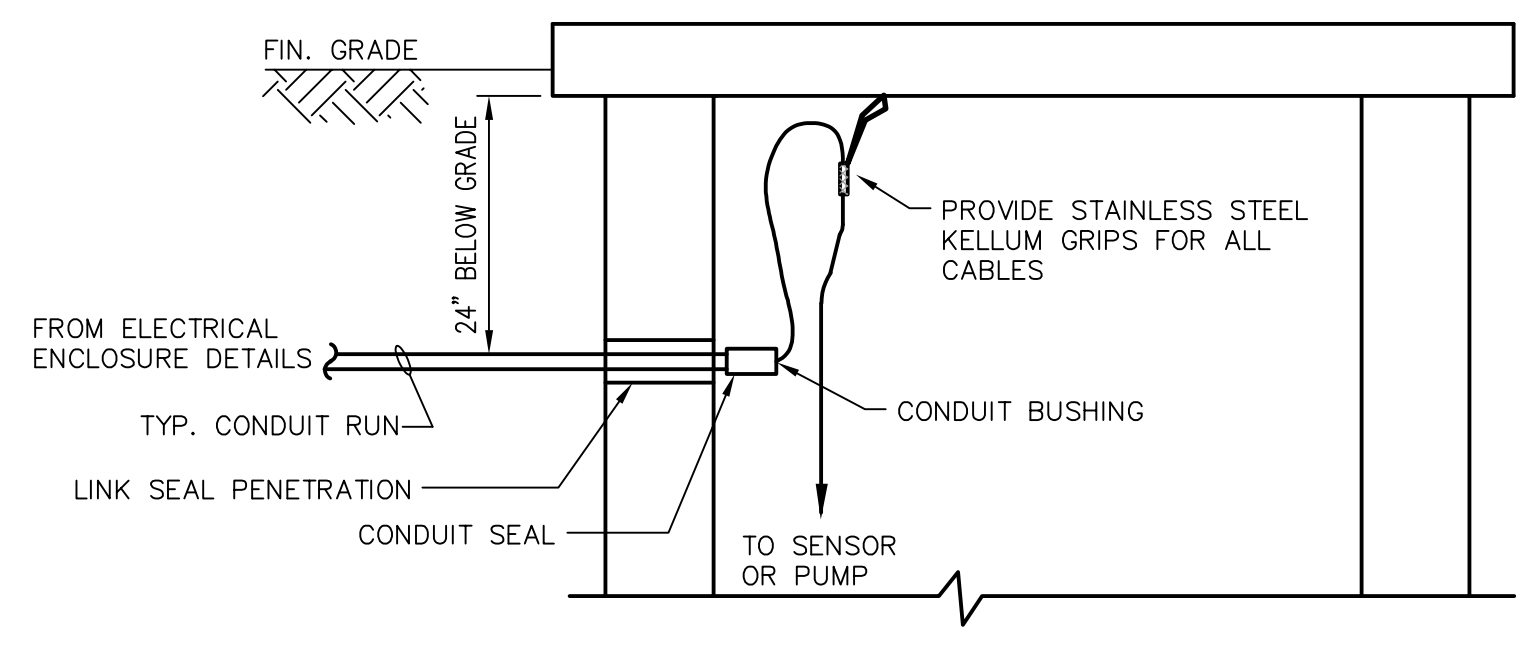
Drawing Title
 ELECTRICAL
 SITE PLAN
 (2 of 2)

Project No. 190011055
Date JANUARY 21, 2022
Drawn By CJB/KDR
Checked By SJ

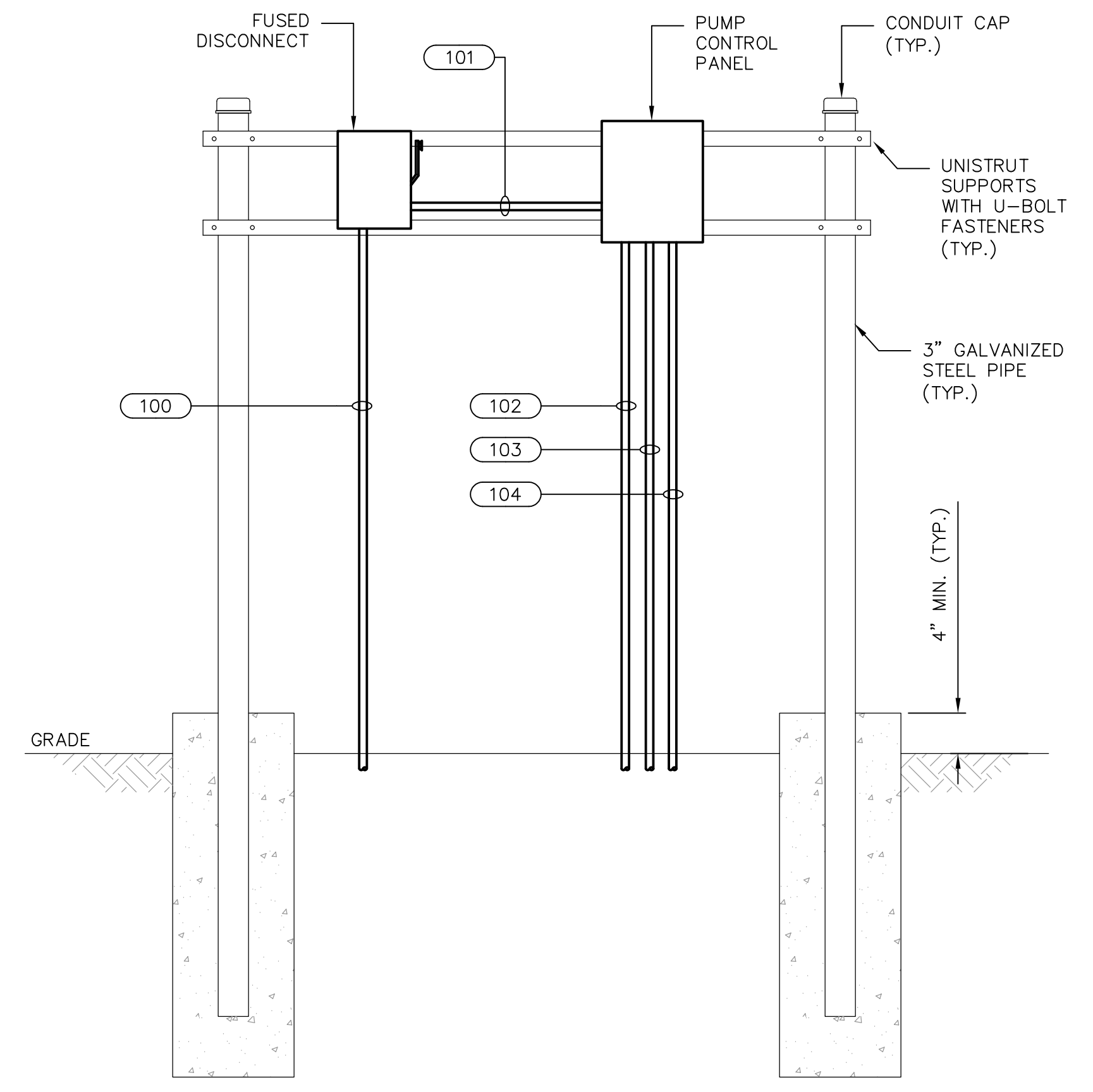
Drawing No. E-102
Sheet 2 of 4



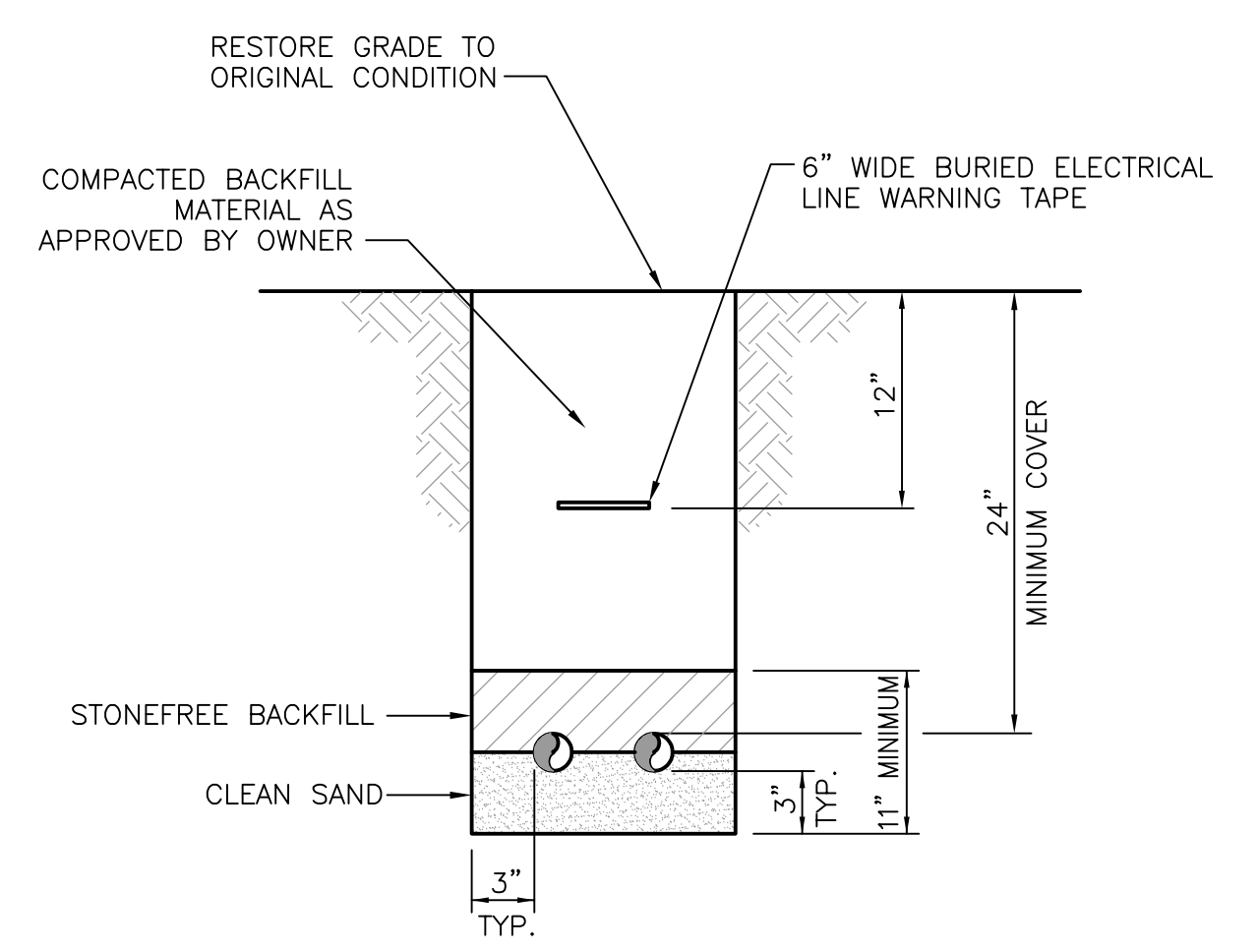
ELECTRICAL ENCLOSURE DETAIL (DOUBLE DOOR)
(STATION No. 1 AND No. 7)
SCALE: 1" = 1'-0"
0 1 2 3
SCALE IN FEET



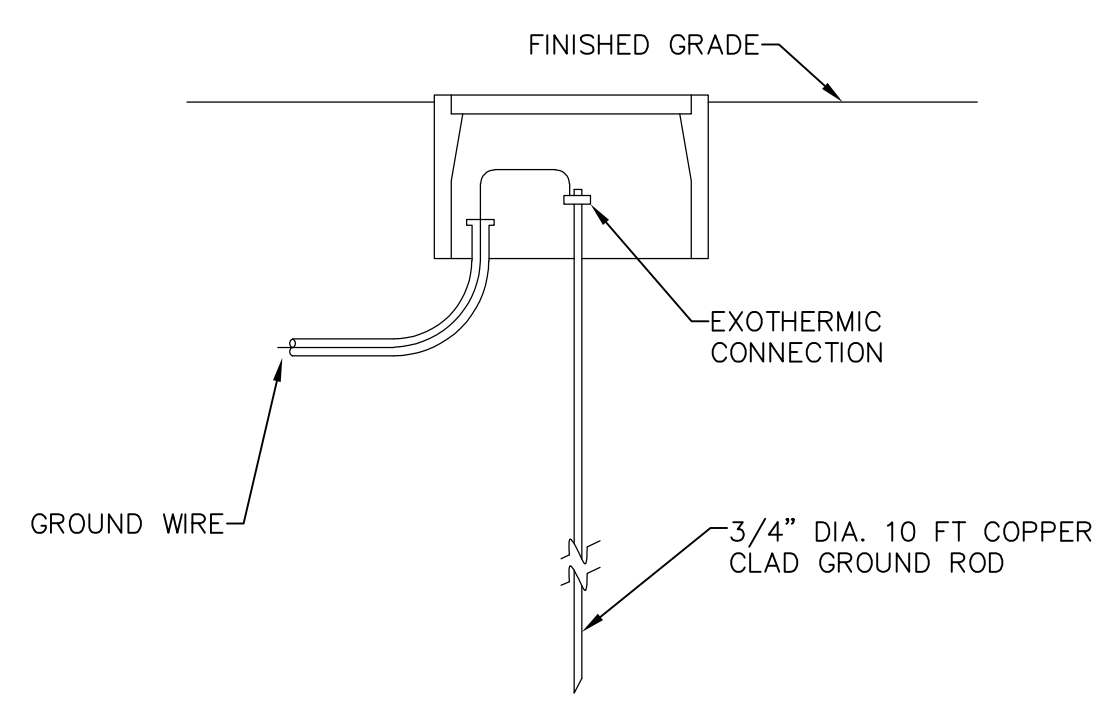
WET WELL CONDUIT CONNECTION DETAIL
SCALE: NONE



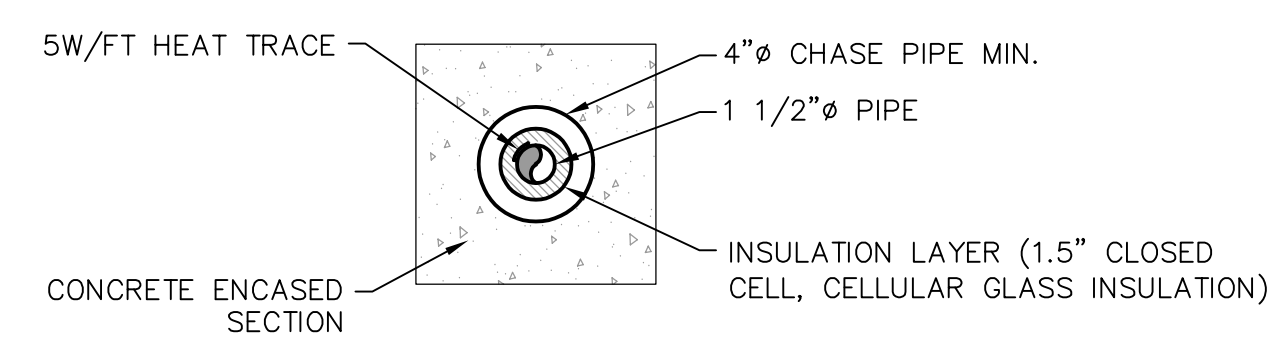
ELECTRICAL EQUIPMENT MOUNTING DETAIL
(STATION No. 3, No. 8 AND No. 9)
SCALE: 1" = 1'-0"
0 1 2 3
SCALE IN FEET



DIRECT BURIAL OF CONDUIT DETAIL
SCALE: N.T.S.



GROUND ROD AND WELL DETAIL
SCALE: N.T.S.



HEAT TRACING PIPING DETAIL
SCALE: N.T.S.

- KEYNOTES:**
1. THE PUMP STATION IS A CLASS I, DIVISION II, GROUP D HAZARDOUS AREA. THE ELECTRICAL INSTALLATION, EQUIPMENT AND MATERIALS IN THIS AREA SHALL BE ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLES 500 AND 501 FOR THIS AREA CLASSIFICATION.
 2. INSTALL RED ALARM BEACON LIGHT ON TOP OF THE TRAFFIC ENCLOSURE, POWER FEED FROM PUMP CONTROL PANEL.
 3. PROVIDE CONDUIT/WIRE CONNECTION INSIDE TRAFFIC ENCLOSURE. SEE DRAWING E-601 FOR DETAIL.



Date	Description	No.
11/11/22	ISSUED FOR BID	0
REVISIONS		

WILLIAM F. BLEILER
 PROFESSIONAL ENGINEER CT Lic. No. 0033413

LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
 BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT


Drawing Title
 ELECTRICAL
 SCHEDULE,
 DETAILS AND
 DIAGRAMS

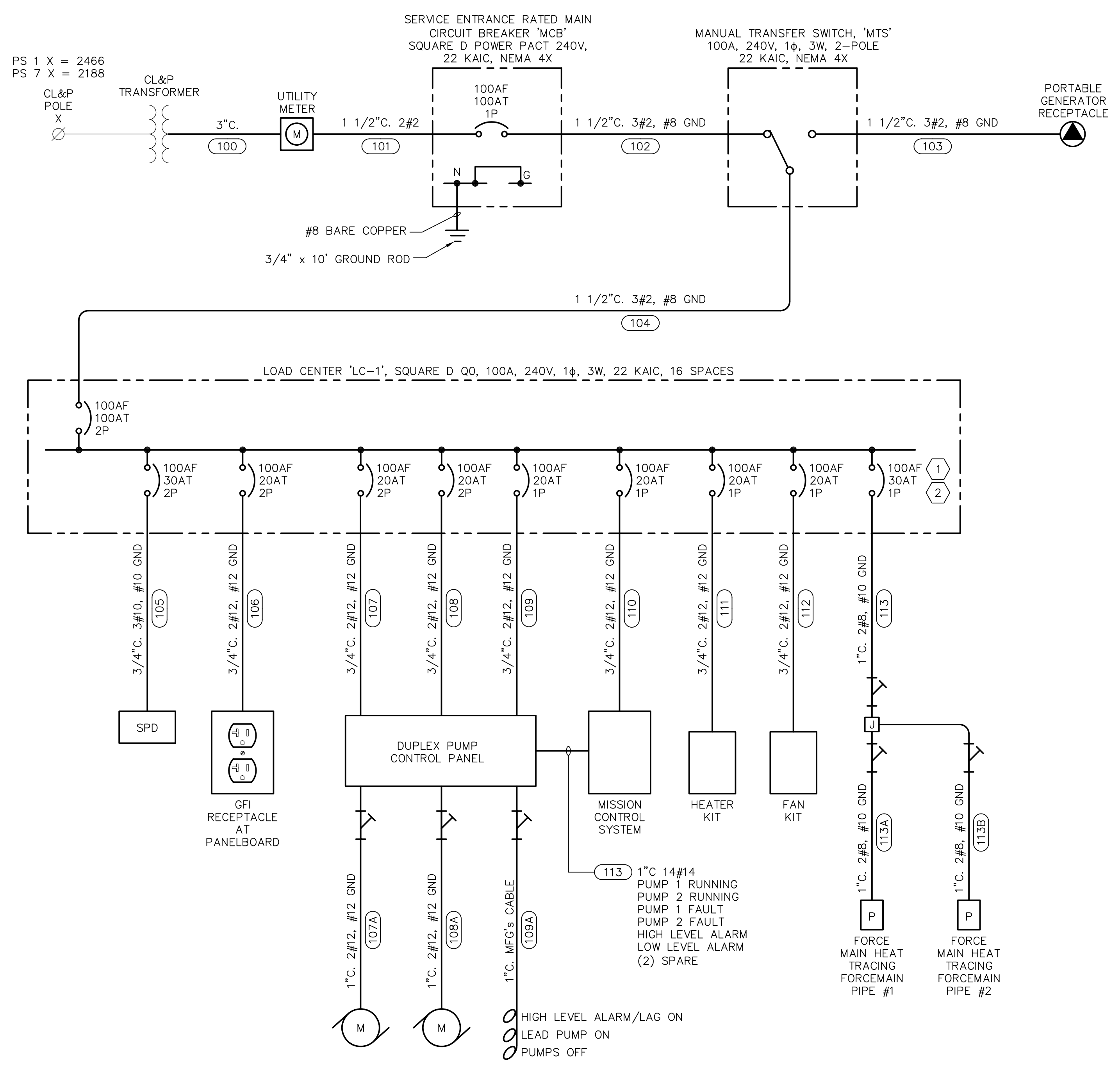
Project No.
 19001055
Date
 JANUARY 21, 2022
Drawn By
 CJB/KDR
Checked By
 SJ

Drawing No.
 E-501
 Sheet 3 of 4

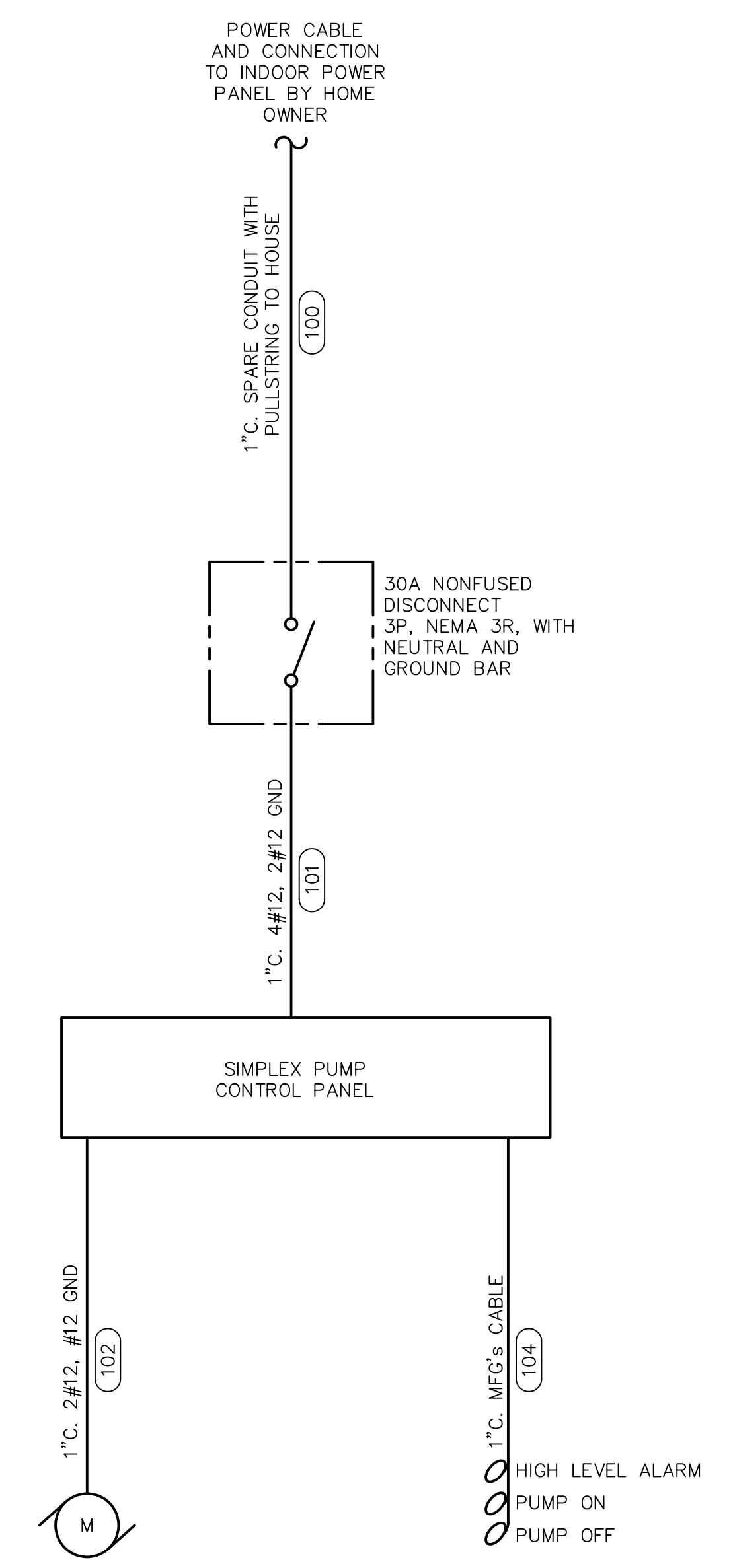
- KEYNOTES:**
- CONTRACTOR TO PROVIDE EPD-TYPE BREAKER FOR HEAT TRACING CIRCUIT.
 - HEAT TRACING CIRCUITS ONLY REQUIRED AT PUMP STATION 1 NOT PUMP STATION 7.

LEGEND:

 CONDUIT SEAL




PUMP STATION 1 & 7 SINGLE LINE DIAGRAM
 SCALE: N.T.S.
 PS 1 DUPLEX M = 2HP
 PS 2 DUPLEX M = 2HP



PUMP STATION 3, 8 AND 9 SINGLE LINE DIAGRAM
 SCALE: N.T.S.
 PS 3 SIMPLEX M = 0.5HP
 PS 8 SIMPLEX M = 1HP
 PS 9 SIMPLEX M = 1HP



Date	Description	No.
11/11/22	ISSUED FOR BID	0
REVISIONS		


 SIGNATURE: *William F. Bleiler*
 DATE SIGNED: 11/11/22
 WILLIAM F. BLEILER
 PROFESSIONAL ENGINEER CT Lic. No. 0033413

LANGAN
 Langan CT, Inc.
 One North Broadway, Suite 910
 White Plains, NY 10601
 T: 914.323.7400 F: 914.323.7401 www.langan.com

Project
BROOKFIELD MARKET
 TOWN OF BROOKFIELD
 FAIRFIELD COUNTY CONNECTICUT

Drawing Title
SINGLE LINE DIAGRAM

Project No. 19001055	Drawing No. E-601
Date JANUARY 21, 2022	
Drawn By CJB/KDR	
Checked By SJ	
Sheet 4 of 4	