

PROJECT LOCATION PLAN  
SCALE: 1" = 1000'

# TOWN OF LEDYARD, CT

## PHASE 3 LOW PRESSURE SEWER UPGRADE

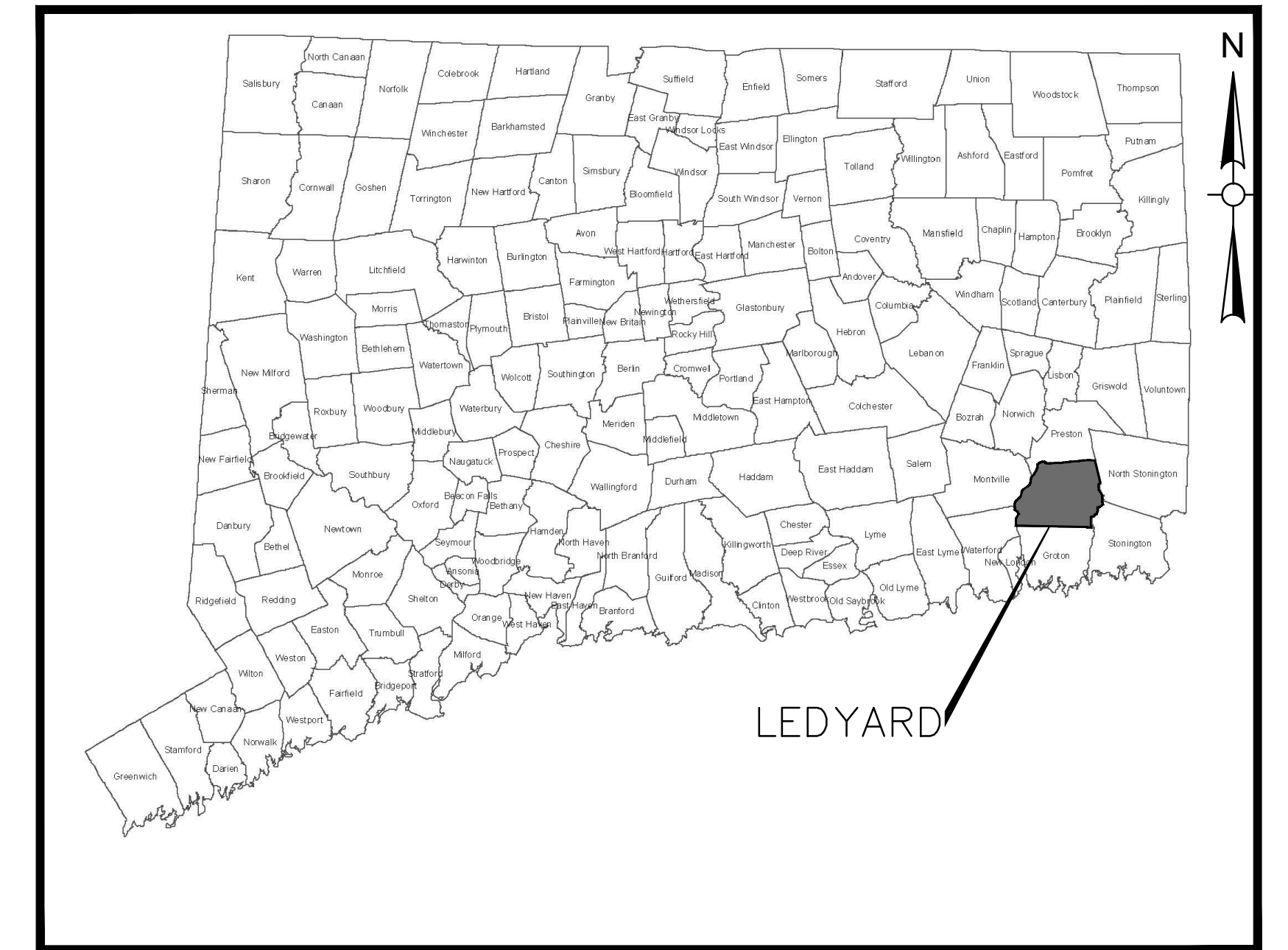
### LEDYARD TOWN CENTER



FRED ALLYN, III  
MAYOR

STEVE MASALIN  
DIRECTOR OF PUBLIC WORKS

JOSEPH TILLMANN  
HIGHWAY SUPERINTENDENT



TOWN LOCATION MAP  
SCALE: N.T.S.

DESIGNED BY:  
WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067

PHASE 3 LEDYARD TOWN CENTER LOW PRESSURE SEWER EXTENSION  
GALLUP HILL ROAD

Weston & Sampson<sup>SM</sup>

Weston & Sampson Engineers, Inc.  
712 Brook Street, Suite 103  
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Issued Date:  
**SEPTEMBER 2024**



Know what's below.  
Call before you dig.

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LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	---	---8"S PVC---
LOW PRESSURE SEWER	---	---6"LP HDPE---
WATER MAIN	---	---6"W DI---
TEMPORARY WATER	---	---4"TW---
STORM DRAIN	---	---18"D RCP---
ELECTRIC	---	E---
HOUSE CONNECTION	SS	SS
WATER SERVICE	WS	WS
SANITARY SEWER MANHOLE	⊙	● SMH
STORM DRAIN MANHOLE	⊙	● DMH
ELECTRICAL MANHOLE	⊙	● EMH
TELEPHONE MANHOLE	⊙	● TMH
AIR RELEASE VALVE MANHOLE	⊙	● ARMH
LOW PRESSURE CLEANOUT MANHOLE	⊙	● LPCO
CLEANOUT	○	● CO
CATCH BASIN	⊞	⊞ CB
CATCH BASIN (CURB INLET)	⊞	⊞
HYDRANT	⊞	⊞
VALVE	⊞	⊞
CURB STOP	⊞	⊞
CHECK VALVE	⊞	⊞
REDUCER	⊞	⊞
ENDCAP OR PLUG	⊞	⊞
GAS GATE VALVE	⊞	⊞
UTILITY POLE	⊞	⊞
GUY POLE	⊞	⊞
UTILITY POLE WITH LIGHT	⊞	⊞
LIGHT POST	⊞	⊞
EDGE OF PAVEMENT	---	---
EDGE OF UNPAVED ROAD	---	---
SIDEWALK	CONC	---
GRANITE/BITUMINOUS CURB	GRAN/BIT	---
BITUMINOUS APRON	---	---
STONE WALL	---	---
RETAINING WALL	(TYPE) WALL	(TYPE) WALL
WIRE FENCE	x	---
CHAIN LINK FENCE	x' CLF	---
INDIVIDUAL DECIDUOUS TREE	⊙	⊙
INDIVIDUAL EVERGREEN TREE	⊙	⊙
TREE LINE	---	---
PROPERTY MARKER	⊙	⊙
PROPERTY LINE	MGN	IP
EASEMENT LINE	---	---
LIMIT OF WORK	---	---
SPOT ELEVATIONS	x 100.2	x 101.5
CONTOUR LINES	56	56
DEPRESSION CONTOUR LINES	---	---
HOUSE NUMBER	#35	---
FLOOR ELEVATION	FL=56.7	---
SILL ELEVATION	S=56.7	---
WETLAND	---	---
WETLAND FLAG	•1	---
WETLAND SETBACK	---	---
RIP RAP	---	---
GUARD RAIL	---	---
SIGN	---	---
BENCH MARK	⊙	---
SURVEY CONTROL POINT	△	---
STRAW BALES	---	---
SILT FENCE	---	---
DRAINAGE DITCH / SWALE	---	---
ROCK OUTCROP	---	---
TEST PIT	---	---

### ABBREVIATIONS

AC	ASBESTOS CEMENT
ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
CL	CENTERLINE
CMP	CEMENT LINED
CONC	CORRUGATED METAL PIPE
CTDOT	CONCRETE
D	CONNECTICUT DEPARTMENT OF TRANSPORTATION
DI	STORM DRAIN, DEPTH FROM RIM TO INVERT
DIA	DROP INLET, DUCTILE IRON
DMH	DIAMETER
E	DRAIN MANHOLE
EA	EAST, ELECTRIC
EL	EACH
EOP	ELEVATION
EW	EDGE OF PAVEMENT
EX, EXIST	EACH WAY
FT	EXISTING
G	FEET, FOOT
GALV	NATURAL GAS
GC	GALVANIZED
GR	GRANITE CURB
GR	GRANITE
HC	HOUSE CONNECTION
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
INV	INVERT
ID	INSIDE DIAMETER
IP	IRON PIPE
LF	LINEAR FEET
LP	LOW PRESSURE
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NE	NORTH EAST
NW	NORTH WEST
N/F	NOW OR FORMERLY
NF	NOT FOUND
N.T.S.	NOT TO SCALE
#	NUMBER
OD	OUTSIDE DIAMETER
PE	POLYETHYLENE
PR	PROPOSED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RECORD INFORMATION
RCP	REINFORCED CONCRETE PIPE
RET	RETAINING WALL
ROW	RIGHT-OF-WAY
S	SEWER, SOUTH
SB	STONE BOUND
SE	SOUTH EAST
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
ST	STONE
STA	STATION
STL	STEEL
SW	SIDEWALK, SOUTH WEST
T	HYDROSTATIC THRUST, TELEPHONE
TBM	TEMPORARY BENCH MARK
THK	THICK (NESS)
TP	TEST PIT
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST
YD	YARD DRAIN

### CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
- LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- TEST PITS TO LOCATE EXISTING UTILITIES SHALL BE PERFORMED WHERE SHOWN ON THE PLANS OR WHERE REQUIRED BY THE ENGINEER. TEST PITS SHALL BE PERFORMED PRIOR TO CONSTRUCTION.
- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO THE PROJECT.
- ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- CONCRETE CRADLES OR ARCHES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS OR WHERE REQUIRED BY THE ENGINEER. UNLESS OTHERWISE INDICATED, CONCRETE USED FOR PIPE ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES, AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT.' ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTORS EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
- BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSENEED OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
- OPENINGS FOR PIPE IN PRECAST CONCRETE STRUCTURE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING STRUCTURE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A SURVEYOR LICENSED IN THE STATE OF CONNECTICUT TO COMPLETE ALL LAYOUTS, SURVEYS, BENCHMARK TRANSFERS, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT.
- RIM/FIELD ELEVATIONS OF PROPOSED STRUCTURES SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED AS REQUIRED TO MATCH FIELD CONDITIONS.
- INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED ON THE EXISTING AND PROPOSED CATCH BASINS FOR THE DURATION OF THE PROJECT.
- ALL PROPOSED PAVING AND SIDEWALKS SHALL MATCH GRADE AT ROADWAY INTERSECTIONS, SIDEWALKS, STAIRWAYS AND BUILDING ENTRANCES.
- ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES. ALL SIGNAGE SHALL BE REMOVED AND ALL ROADS OPENED TO NORMAL TRAFFIC FLOW.
- EXISTING SEWER, DRAINAGE AND WATER MAIN LOCATIONS AND DEPTHS ARE FROM FIELD OBSERVATIONS AND INFORMATION PROVIDED BY THE TOWN OF LEDYARD. ALL PIPING MAY NOT BE SHOWN.

### DRAWING INDEX

SHEET NO.	DRAWING NO.	TITLE
1	--	COVER
2	C-001	LEGEND, ABBREVIATIONS, NOTES AND DRAWING INDEX
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4	C-101	GALLUP HILL ROAD STA 5+50 TO 11+00
5	C-102	GALLUP HILL ROAD STA 11+00 TO 17+00
6	C-103	GALLUP HILL ROAD STA 17+00 TO 23+00
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9	C-106	GALLUP HILL ROAD STA 34+50 TO 40+50
10	C-107	GALLUP HILL ROAD STA 40+50 TO 43+76
11	C-200	SITE AND CIVIL DETAILS
12	C-201	CIVIL AND PAVEMENT DETAILS
13	C-202	SOIL EROSION AND SEDIMENT CONTROL PLAN

### SURVEY NOTES:

- THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AS REVISED ON OCTOBER 26, 2018, AND THE STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC ON AUGUST 29, 2019.
  - THE TYPE OF SURVEY PERFORMED IS AN IMPROVEMENT LOCATION SURVEY.
  - THERE IS NO BOUNDARY DETERMINATION/OPINION.
  - THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2, VERTICAL ACCURACY CLASS V-3, AND TOPOGRAPHIC ACCURACY CLASS T-2.
- THE ELEVATIONS DEPICTED HEREON WERE DERIVED USING GNSS SURVEY METHODS IN JUNE, 2024 AND ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- NORTH AS DEPICTED HEREON WAS DERIVED USING GNSS SURVEY METHODS IN JUNE, 2024 AND IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (2011).
- UTILITY INFORMATION DEPICTED HEREON IS APPROXIMATE AND IS BASED ON VISIBLE EVIDENCE OF SURFACE AND OVERHEAD STRUCTURE LOCATIONS AND AS COMPILED FROM EXISTING RECORD MAPPING AVAILABLE DURING THE PREPARATION OF THE SURVEY. ALL CONTRACTORS SHOULD CONTACT "CALL BEFORE YOU DIG" AT 1(800)922-4455 FOR VERIFICATION OF UTILITY INFORMATION PRIOR TO START OF ANY WORK.

Project: TOWN OF LEDYARD, CT



PHASE 3 LOW PRESSURE SEWER  
UPGRADE  
LEDYARD, CT 06339

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Drawn By: PCB

Reviewed By: MMJ

Approved By: MMJ

W&S Project No.: ENG21-0477

W&S File No.:

Drawing Title:

LEGEND,  
ABBREVIATIONS,  
NOTES AND  
DRAWING INDEX

Sheet Number:

C-001

Rev: 1.6 Date: 04/10/2019

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NOTES:  
1. ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS



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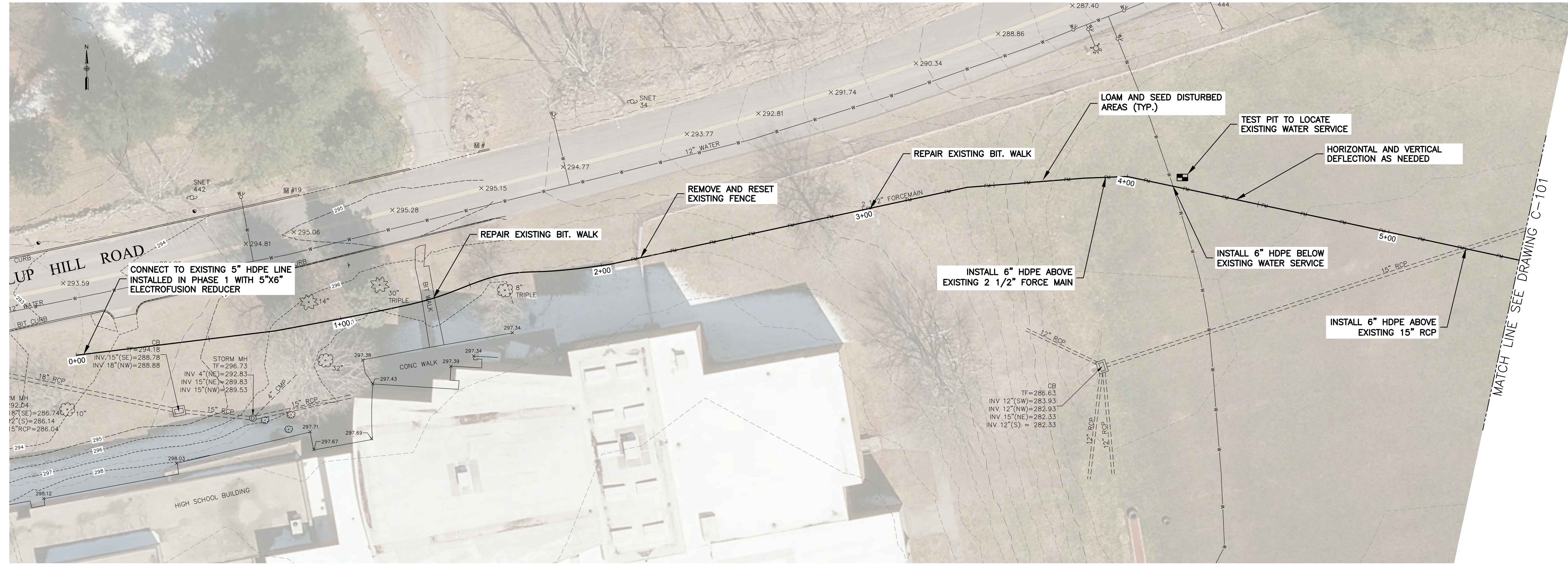
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Approved By:	MMJ
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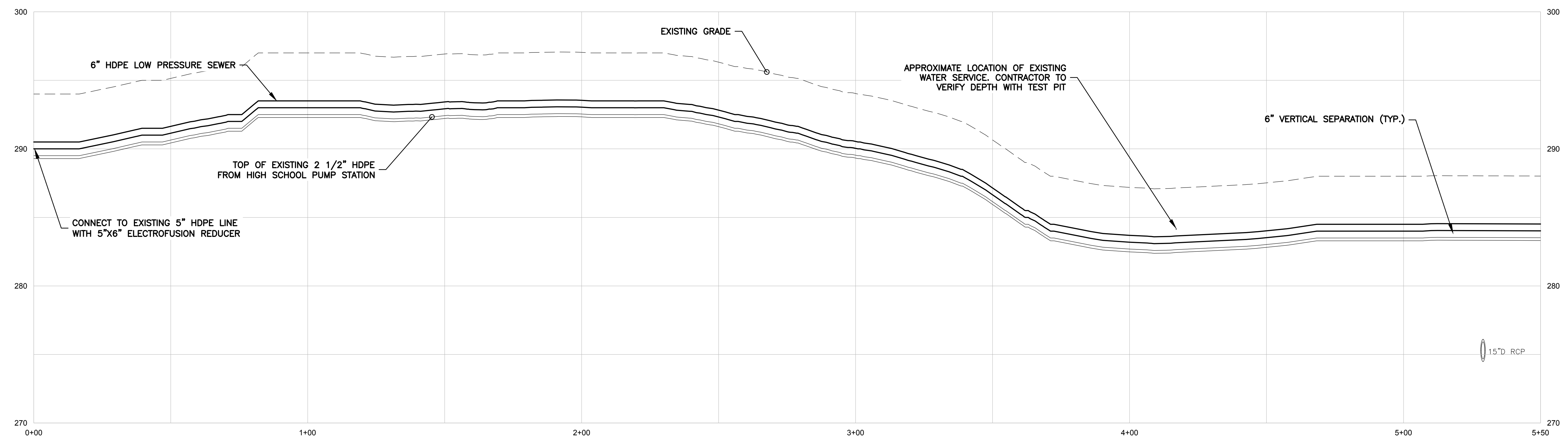
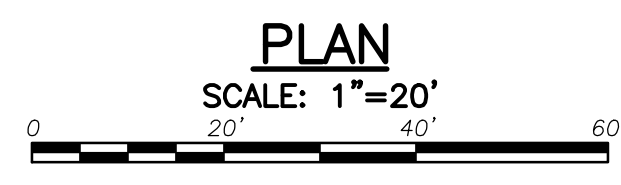
**GALLUP HILL ROAD  
FORCE MAIN  
STA 0+00 TO  
STA 5+50**

Sheet Number:

**C-100**



NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORZ, 1"=4' VERT

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Rev: 1.6 Date: 04/10/2019





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Approved By: MMJ

W&S Project No.: ENG21-0477

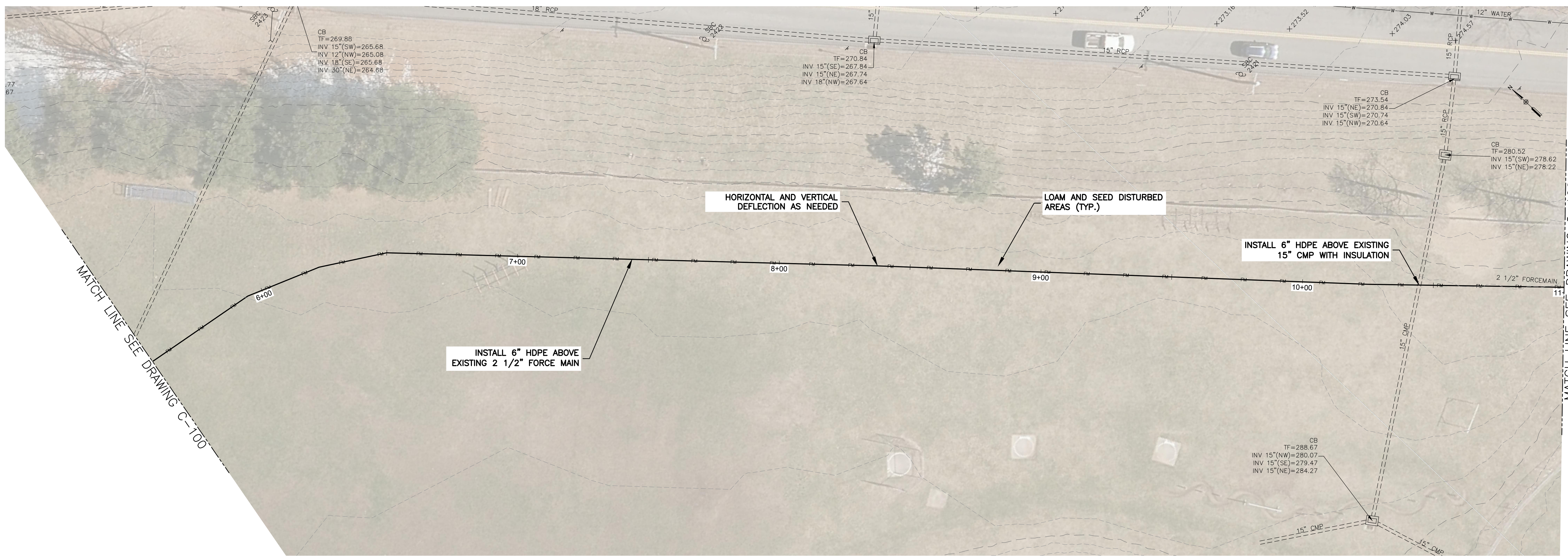
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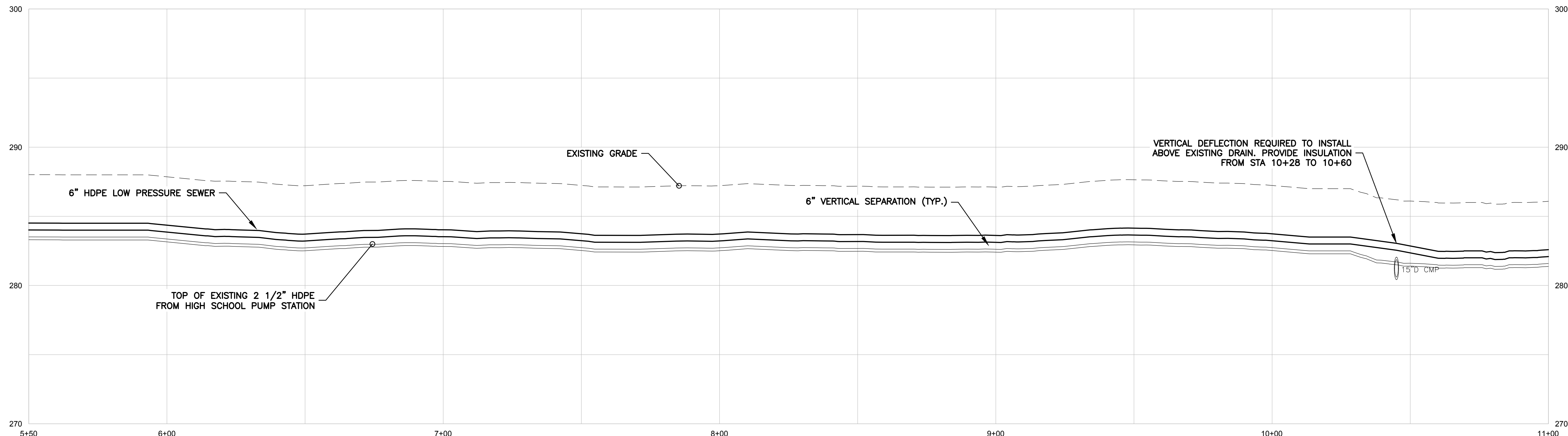
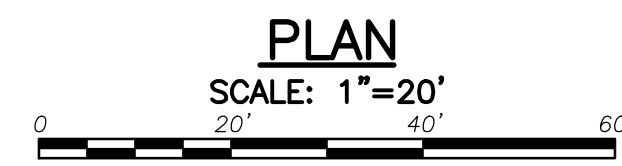
GALLUP HILL ROAD  
FORCE MAIN  
STA 5+50 TO  
STA 11+00

Sheet Number:

**C-101**



NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORIZ, 1"=4' VERT



Revisions:

No.	Date	Description

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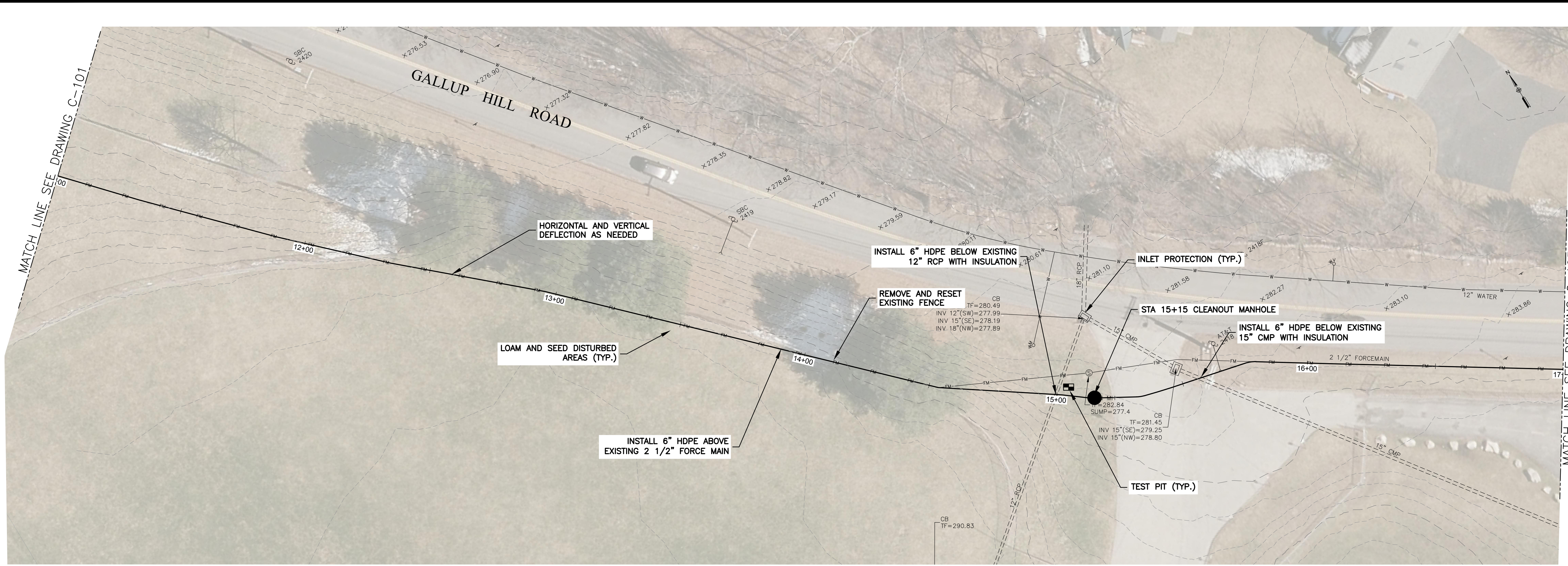
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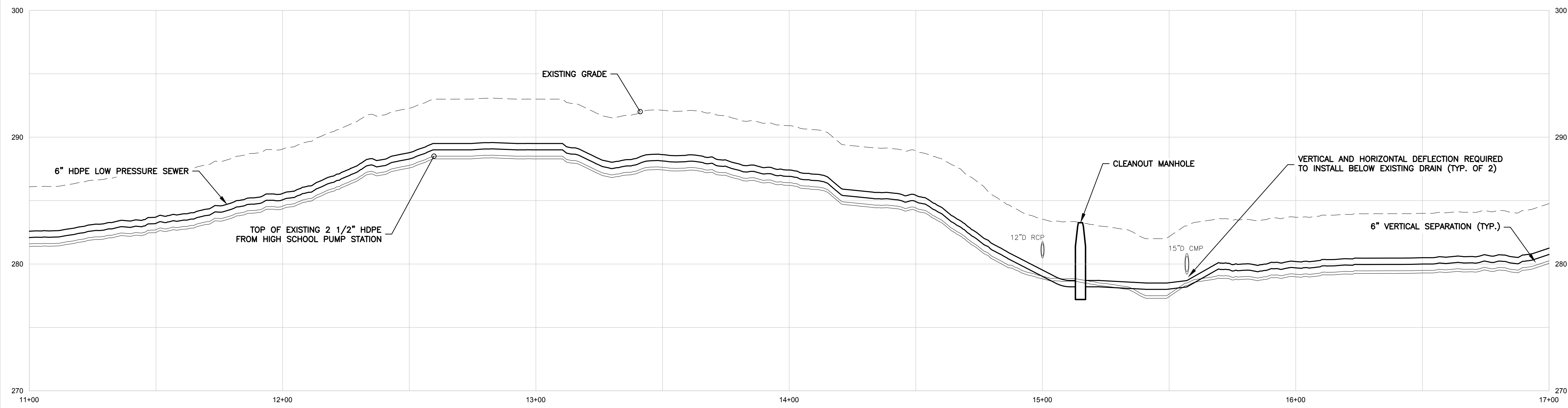
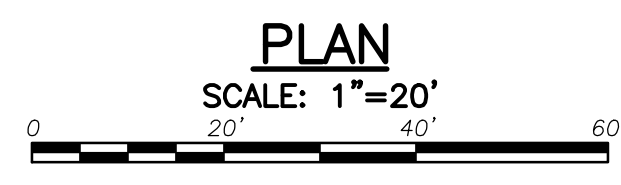
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Reviewed By: MMJ  
Approved By: MMJ  
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W&S File No.:

Drawing Title:  
**GALLUP HILL ROAD  
FORCE MAIN  
STA 11+00 TO  
STA 17+00**

Sheet Number:  
**C-102**



NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORIZ, 1"=4' VERT

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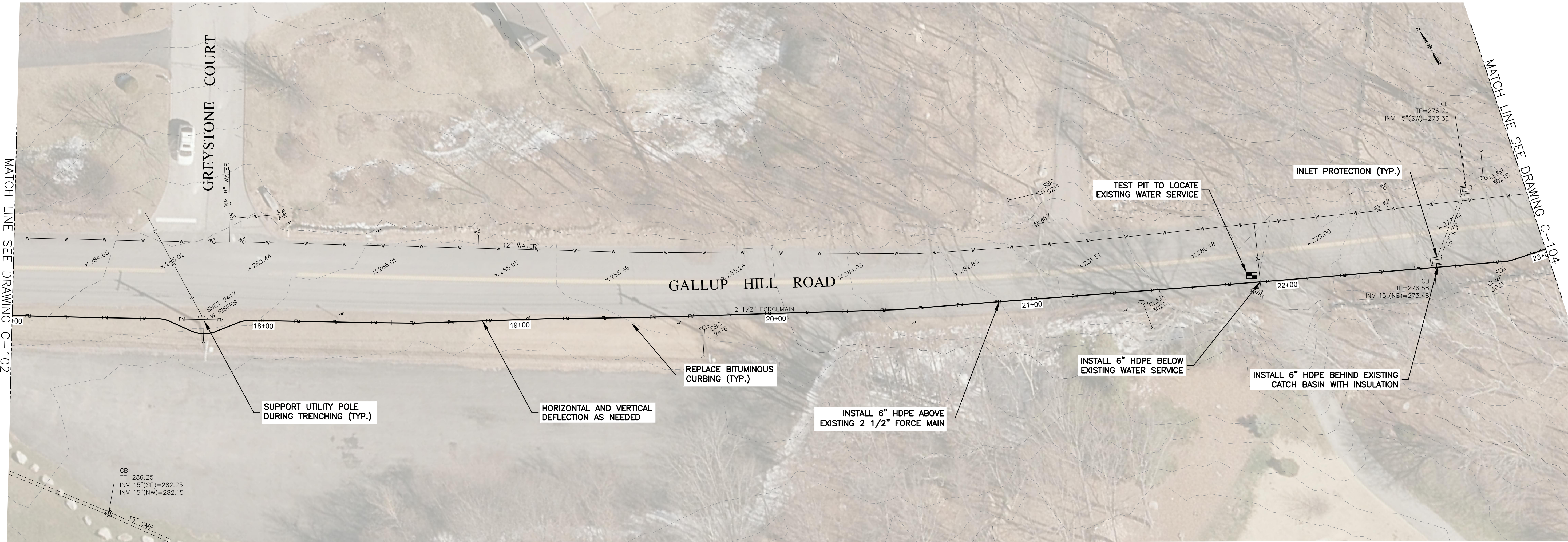
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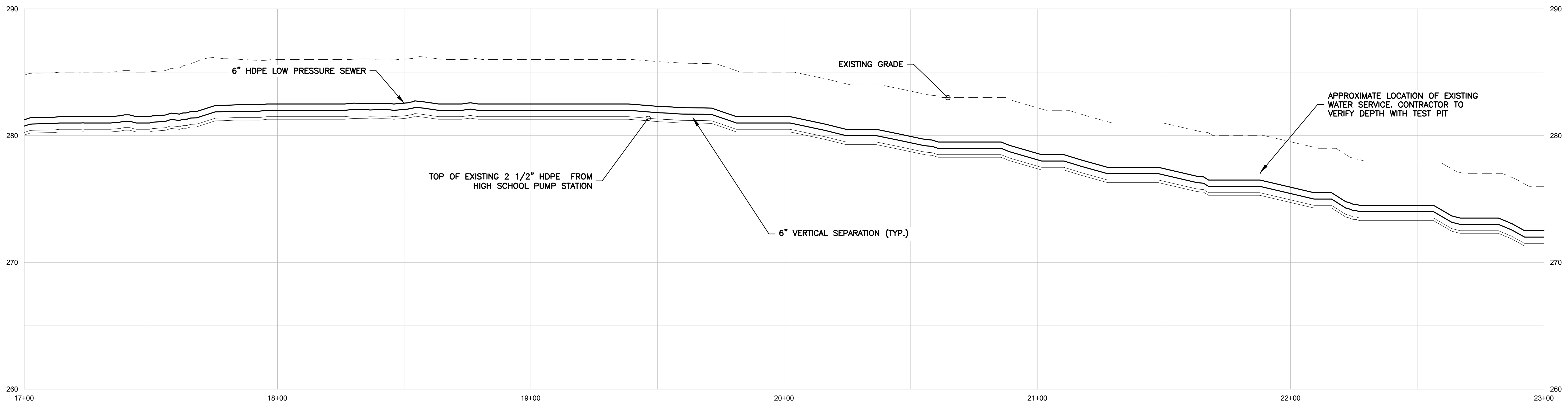
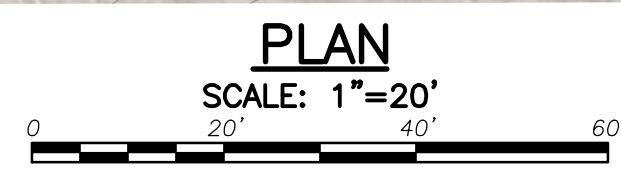
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Reviewed By: MMJ  
Approved By: MMJ  
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Drawing Title:  
**GALLUP HILL ROAD FORCE MAIN STA 17+00 TO STA 23+00**

Sheet Number:  
**C-103**



NOTE: EXISTING 2 1/2" FORCE MAIN INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORIZ, 1"=4' VERT





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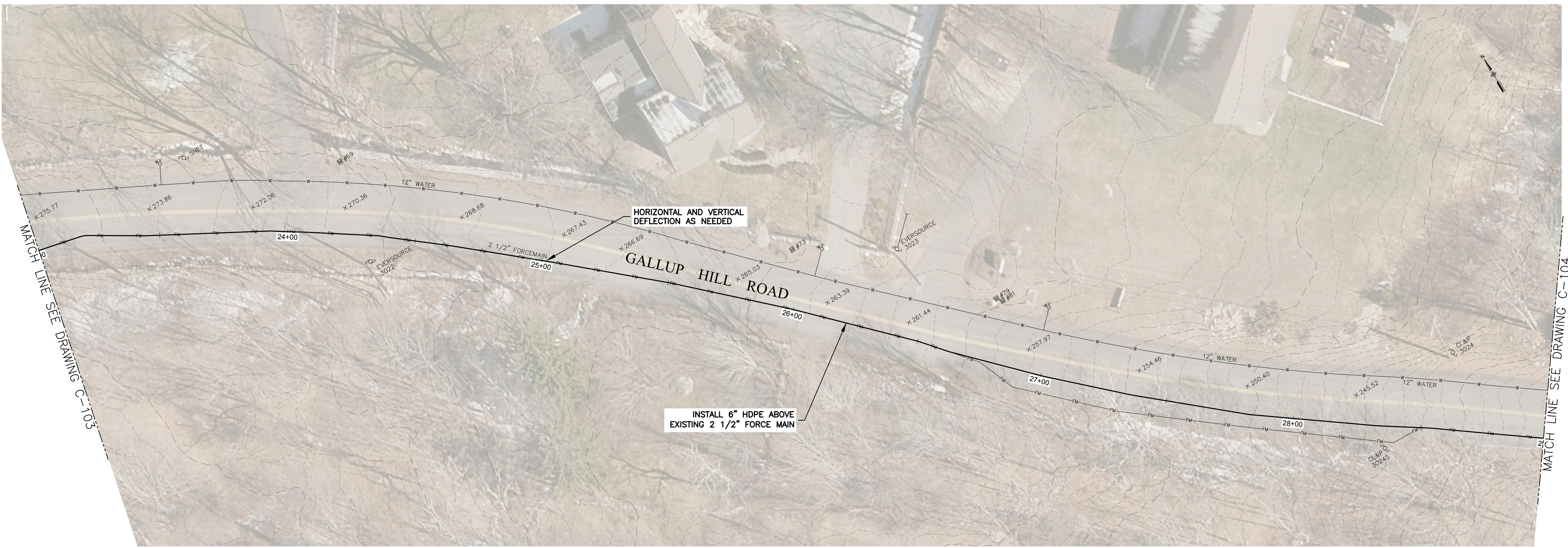
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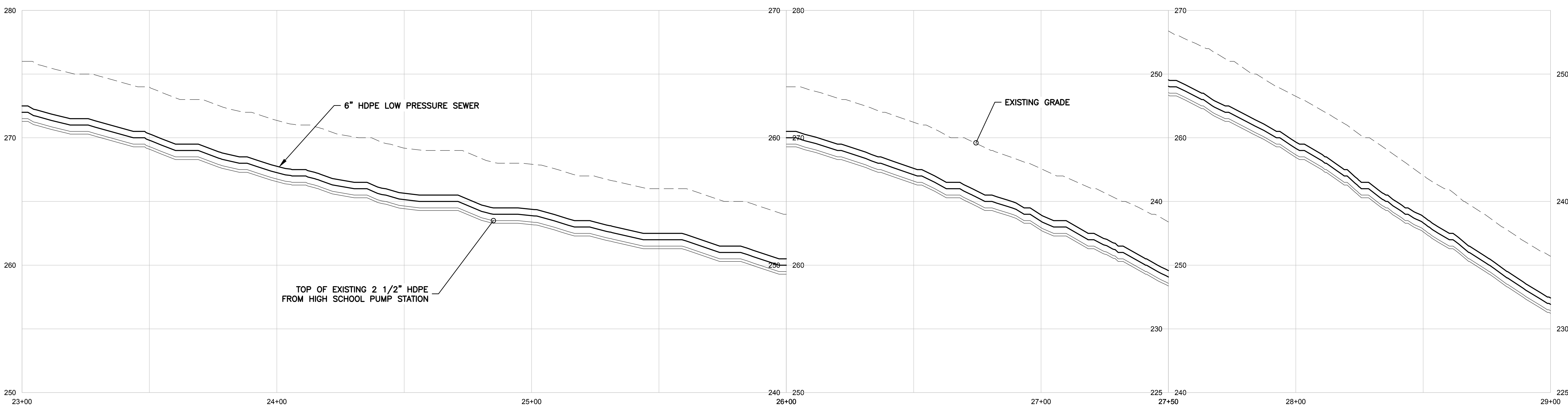
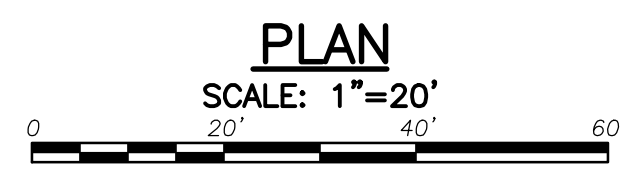
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W&S File No.:

Drawing Title:  
**GALLUP HILL ROAD  
FORCE MAIN  
STA 23+00 TO  
STA 29+00**

Sheet Number:  
**C-104**



NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORZ, 1"=4' VERT

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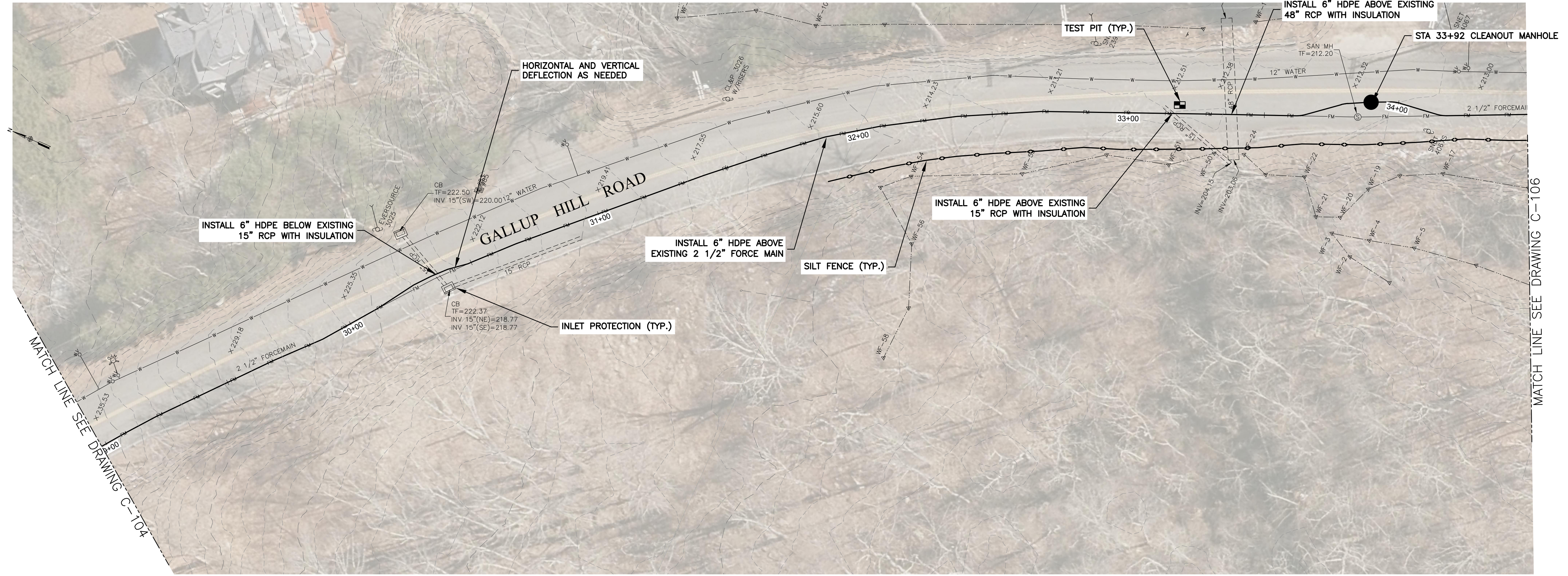
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Drawing Title:

**GALLUP HILL ROAD  
FORCE MAIN  
STA 29+00 TO  
STA 34+50**

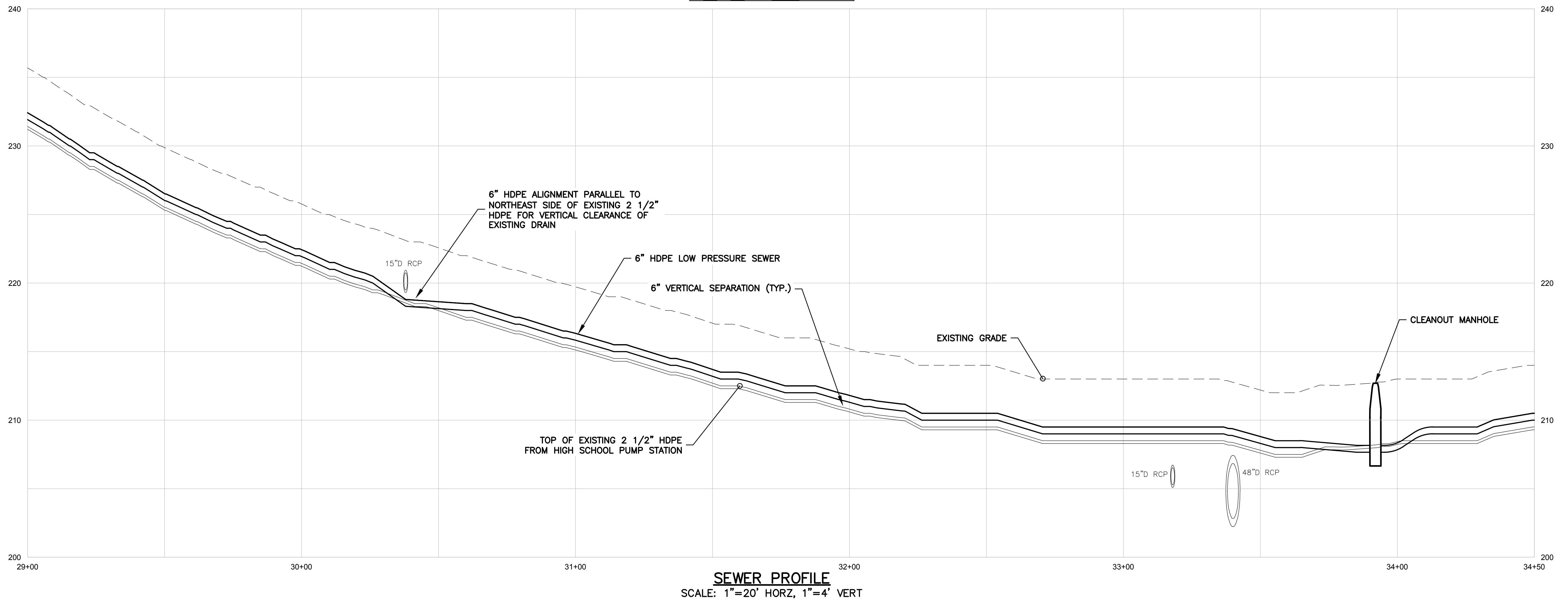
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**C-105**



NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER

**PLAN**  
SCALE: 1"=20'  
0 20' 40' 60'



**SEWER PROFILE**  
SCALE: 1"=20' HORIZ, 1"=4' VERT

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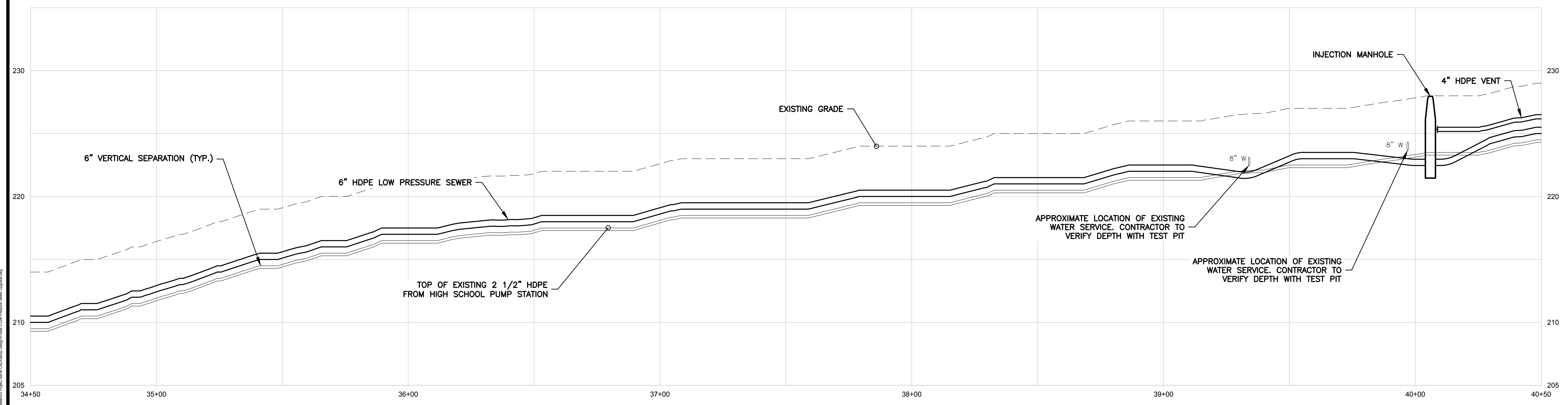
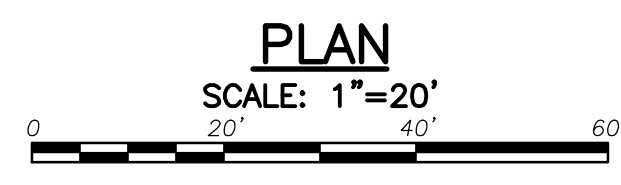
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Drawing Title:  
**GALLUP HILL ROAD  
FORCE MAIN  
STA 34+50 TO  
STA 40+50**

Sheet Number:  
**C-106**



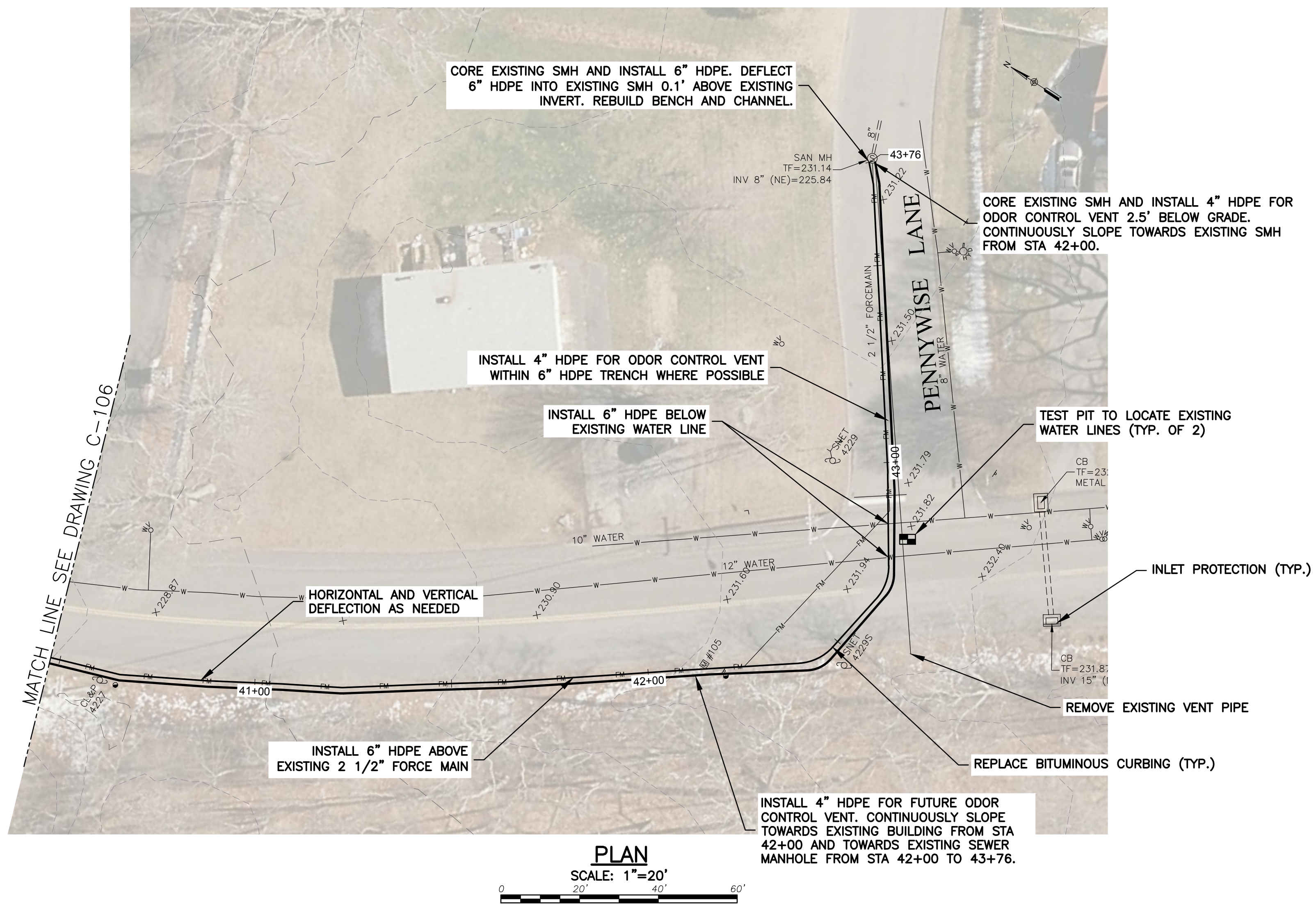
NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



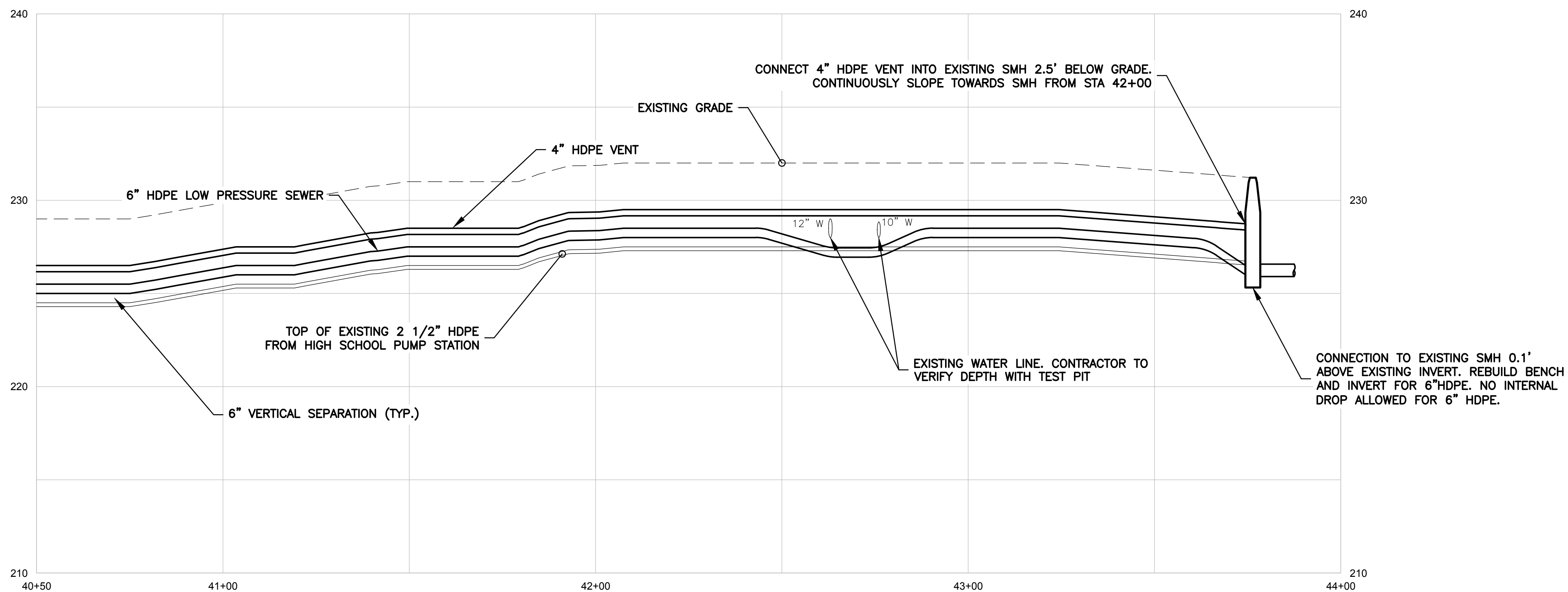
**SEWER PROFILE**  
SCALE: 1"=20' HORZ, 1"=4' VERT

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NOTE: EXISTING 2 1/2" FORCE MAIN  
INSTALLED WITH 4.5' OF COVER



**SEWER PROFILE**  
SCALE: 1"=20' HORZ, 1"=4' VERT

Project: TOWN OF LEDYARD, CT



PHASE 3 LOW PRESSURE SEWER  
UPGRADE  
LEDYARD, CT 06339

**Weston & Sampson**

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Date: SEPTEMBER 2024  
Drawn By: PCB  
Reviewed By: MMJ  
Approved By: MMJ  
W&S Project No.: ENG21-0477  
W&S File No.:

Drawing Title:  
**GALLUP HILL ROAD  
FORCE MAIN  
STA 40+50 TO  
STA 43+76**

Sheet Number:  
**C-107**

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Rev: 1.6 Date: 04/10/2019



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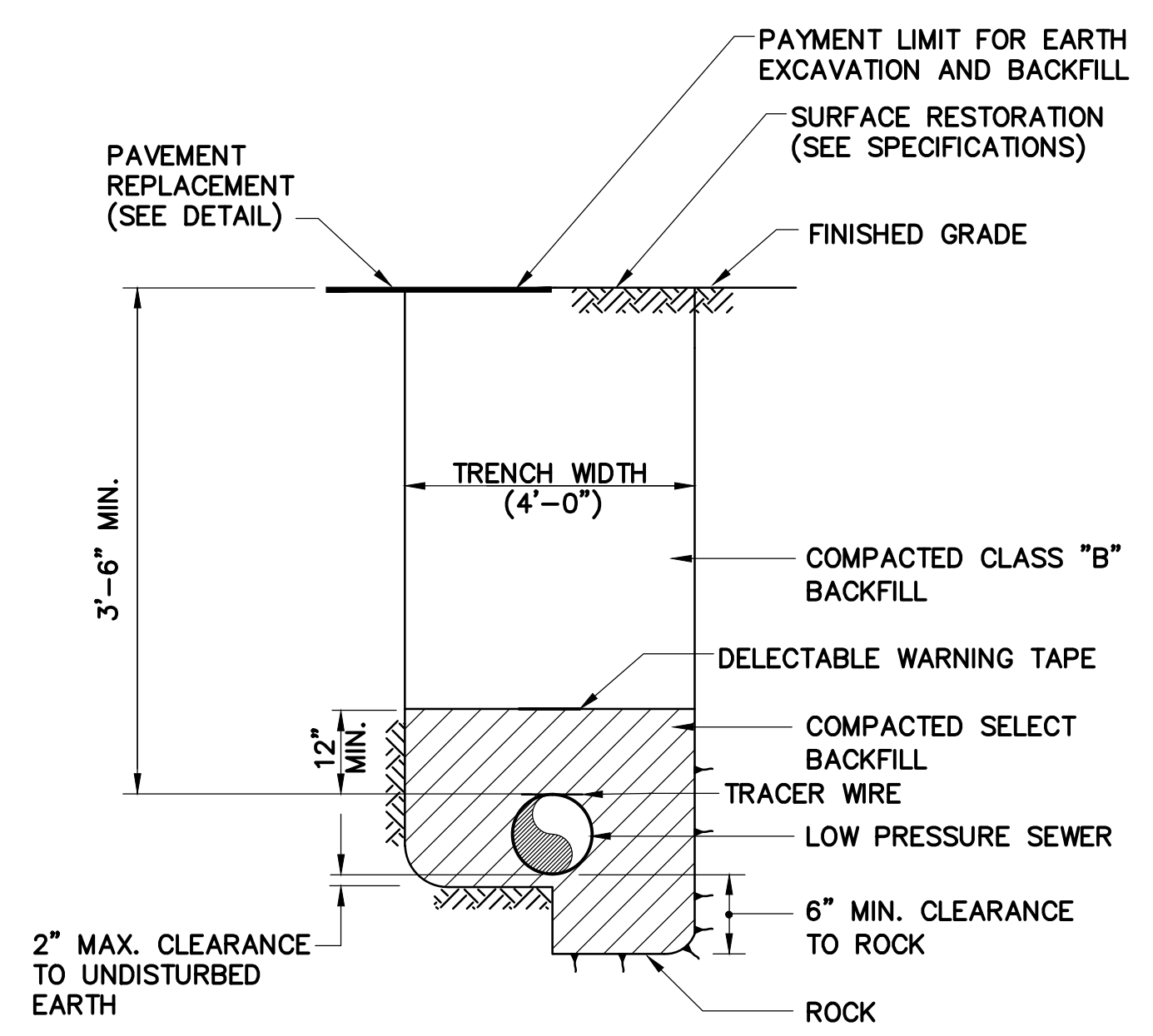
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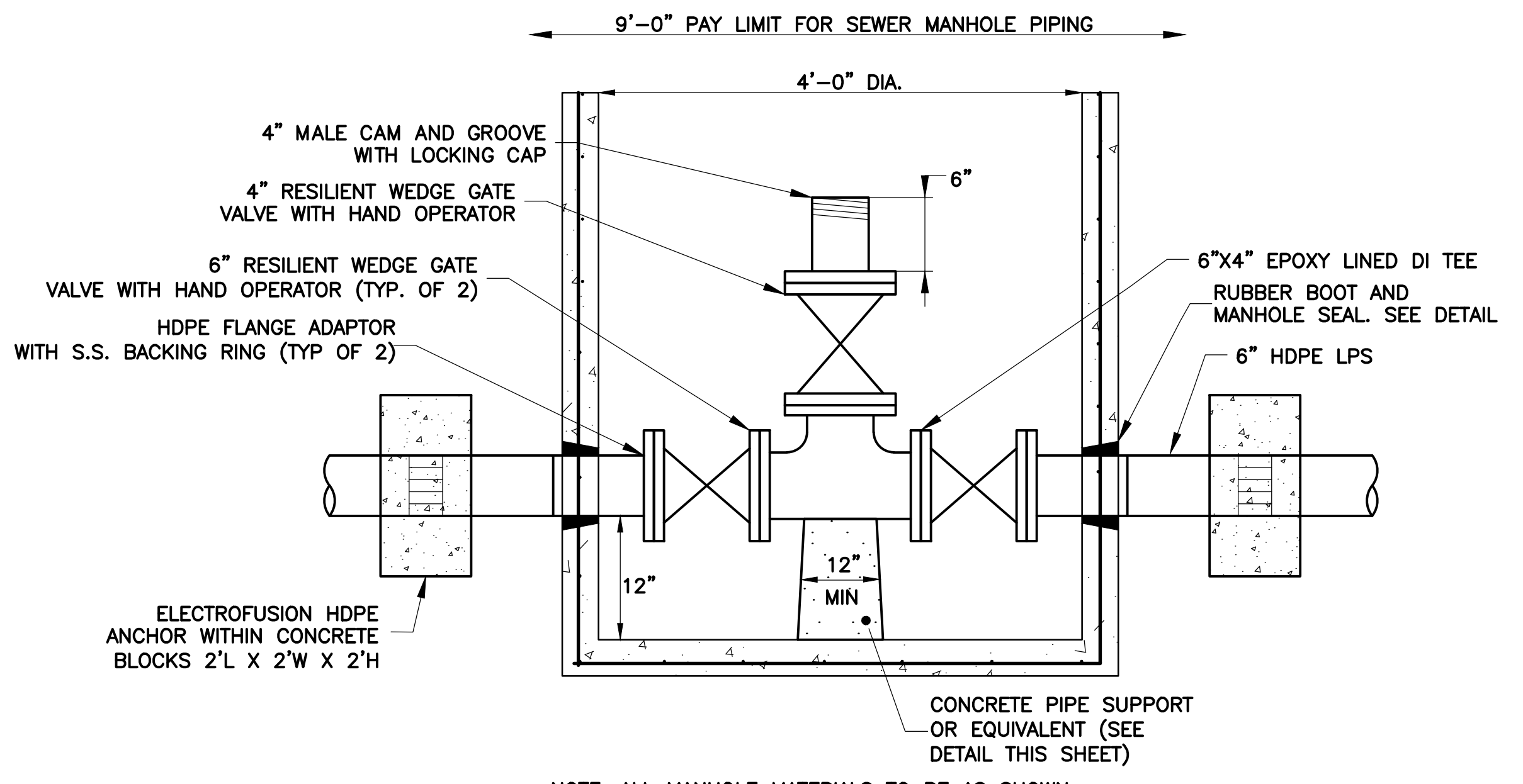
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**SITE AND CIVIL DETAILS**

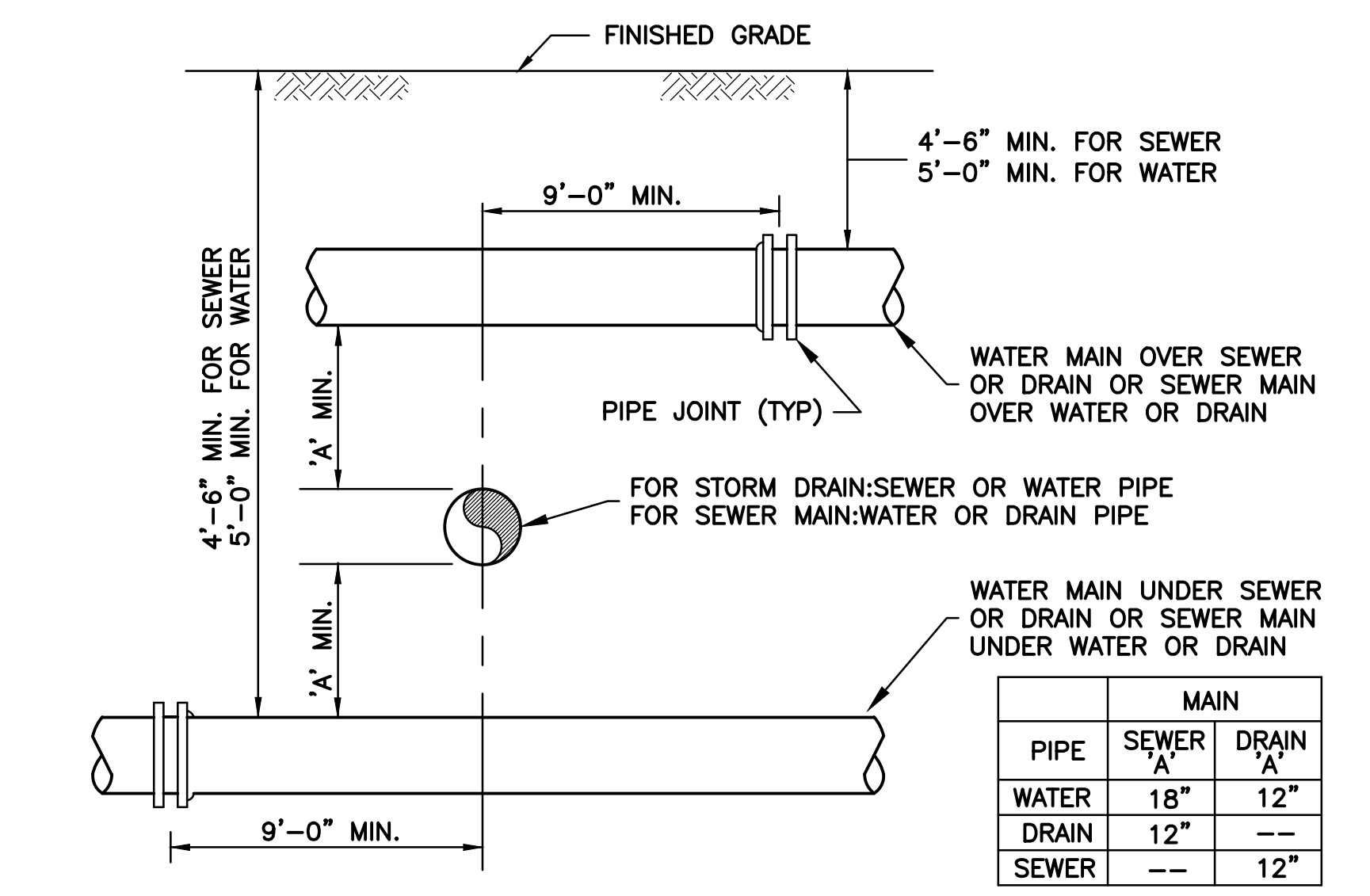
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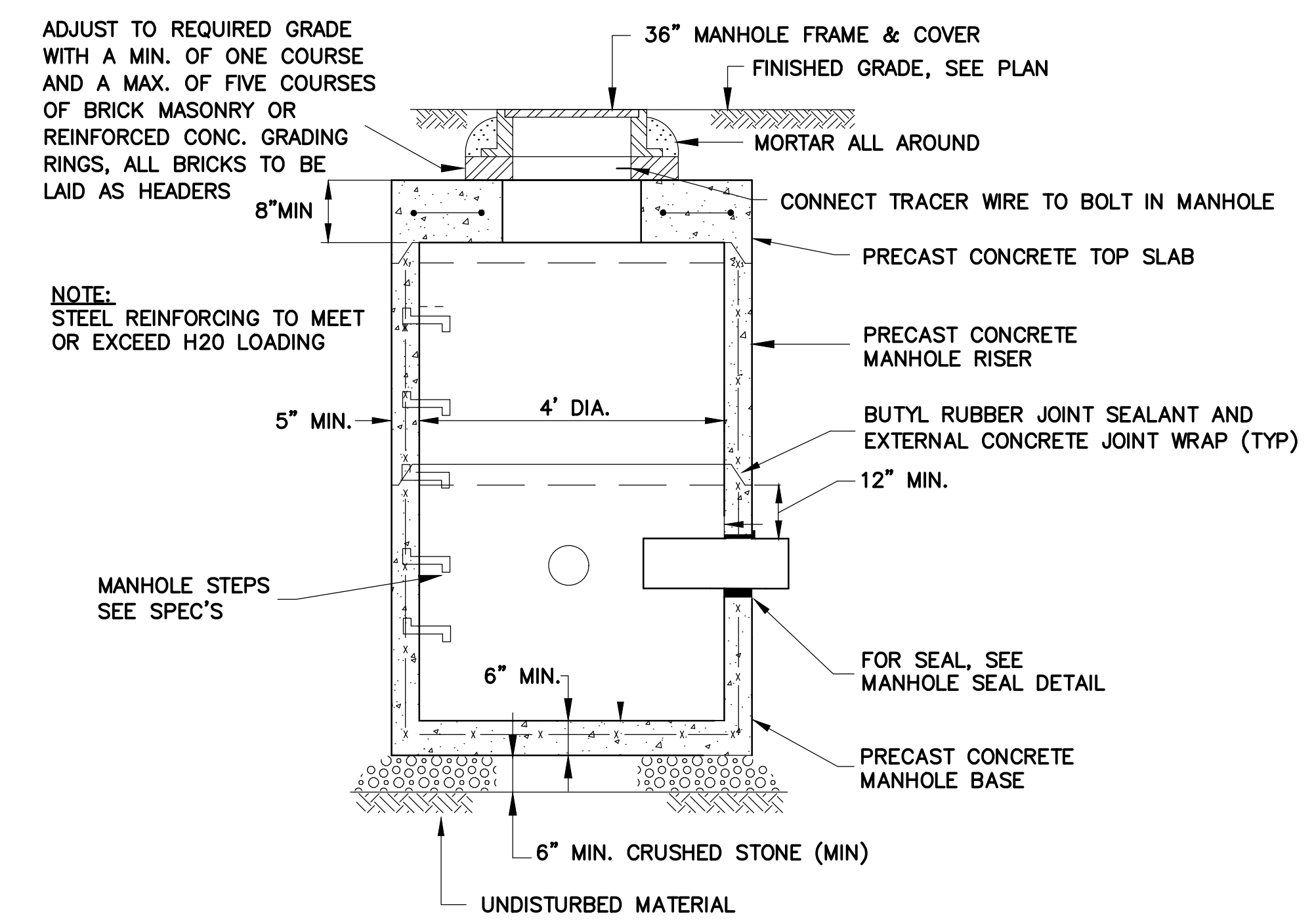
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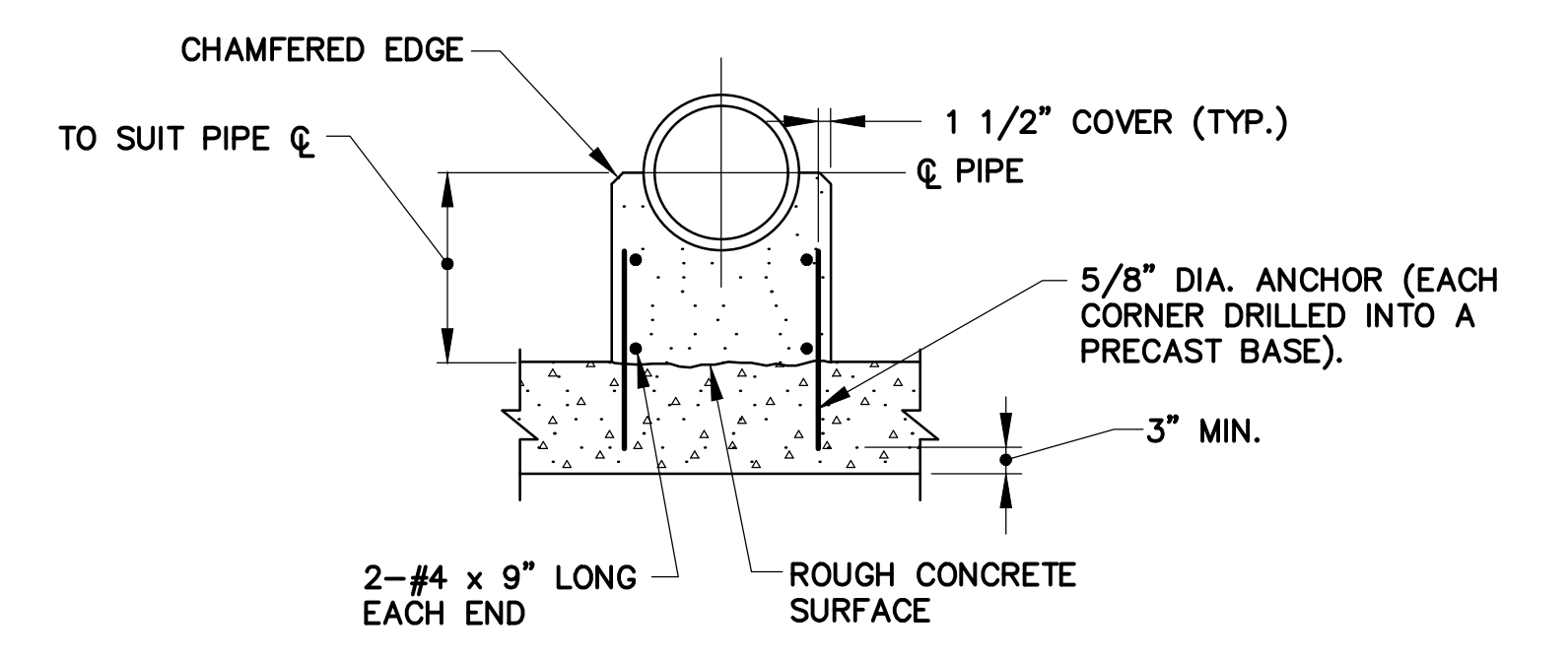
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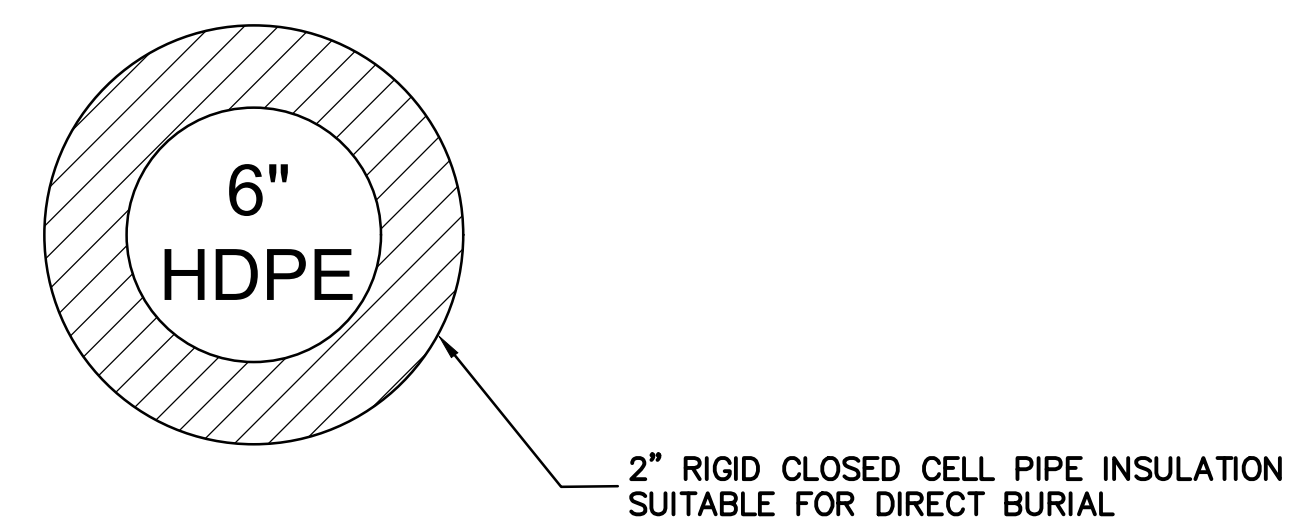
**WATER, SEWER OR DRAIN CROSSING DETAIL**  
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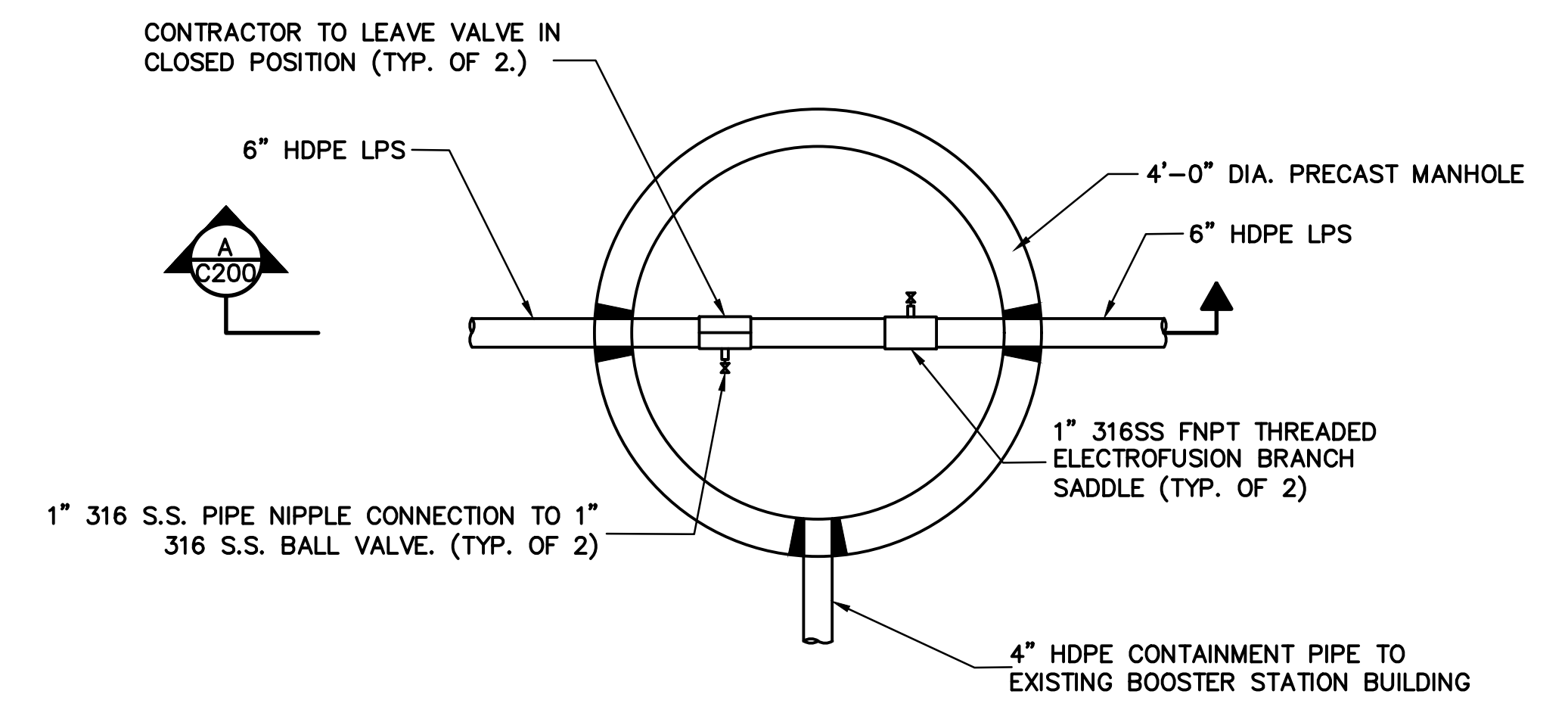
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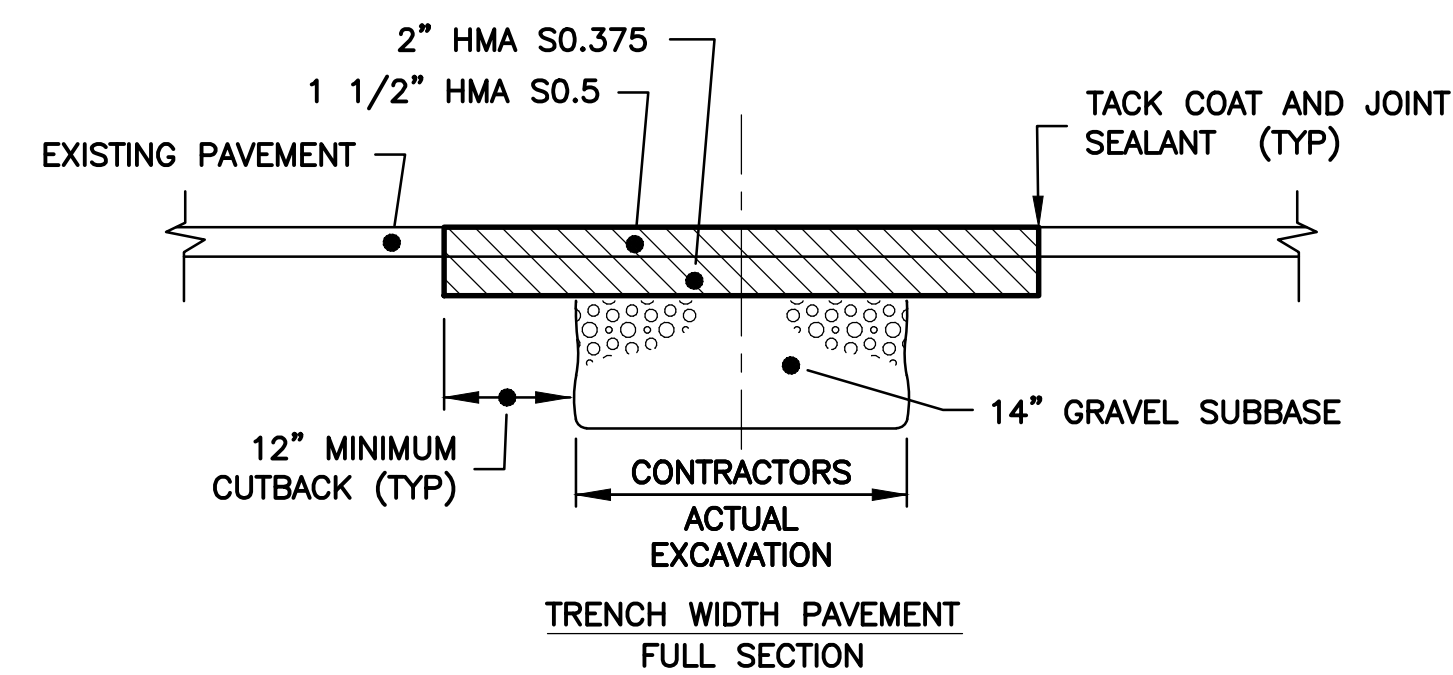
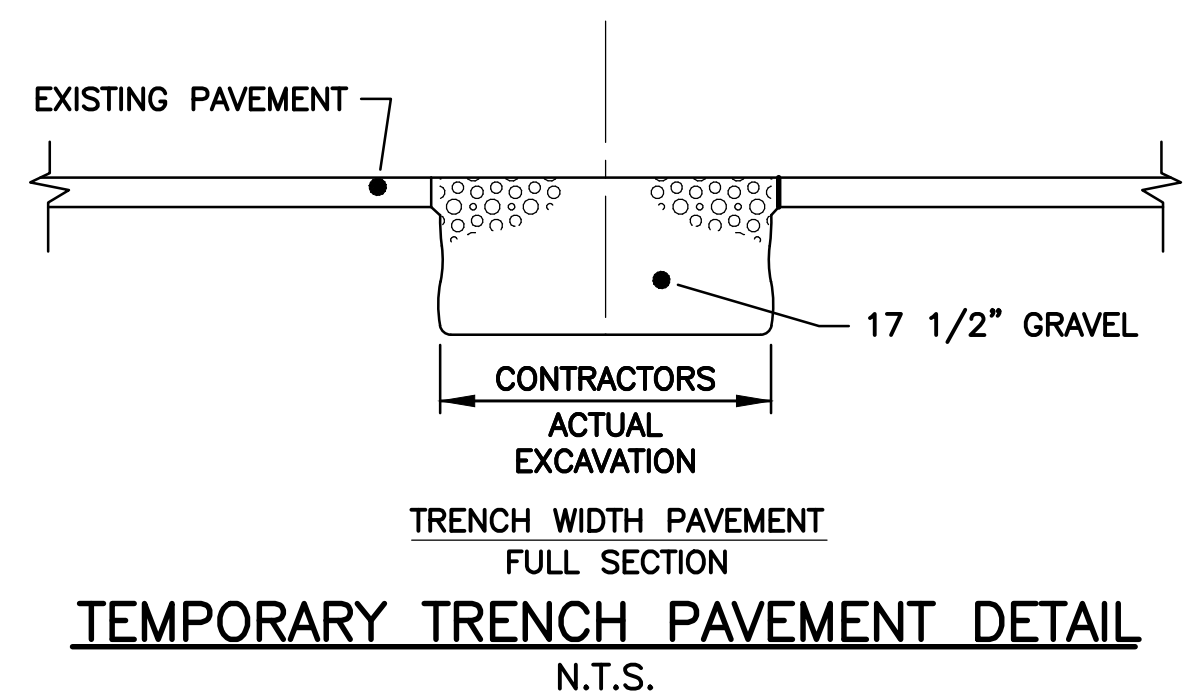
**CONCRETE PIPE SUPPORT**  
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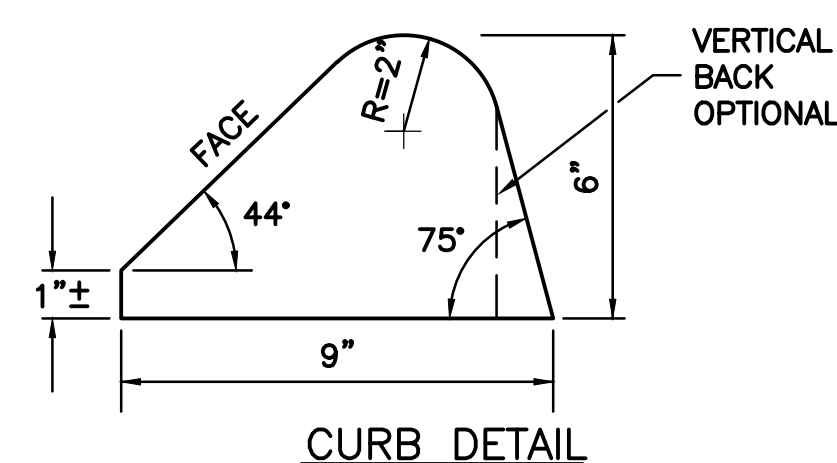
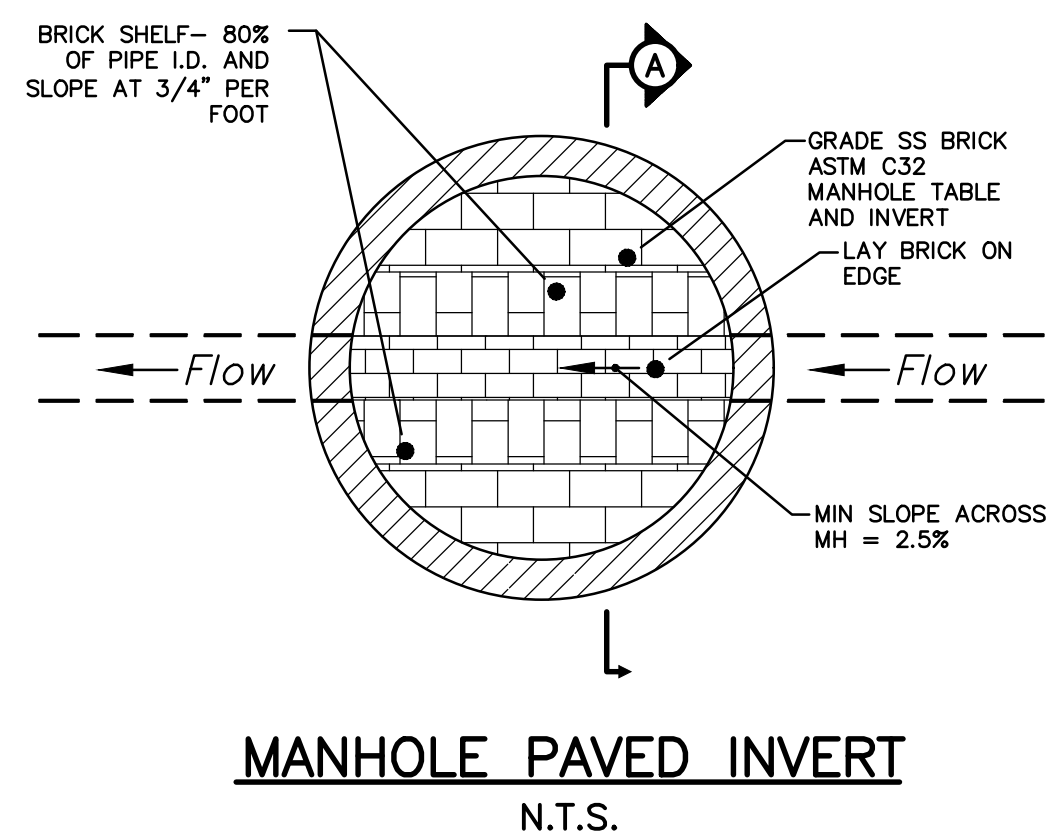
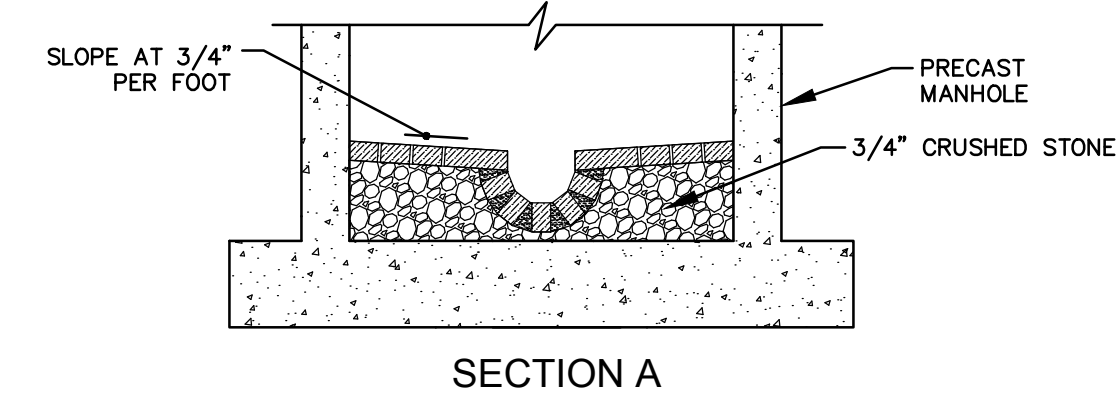
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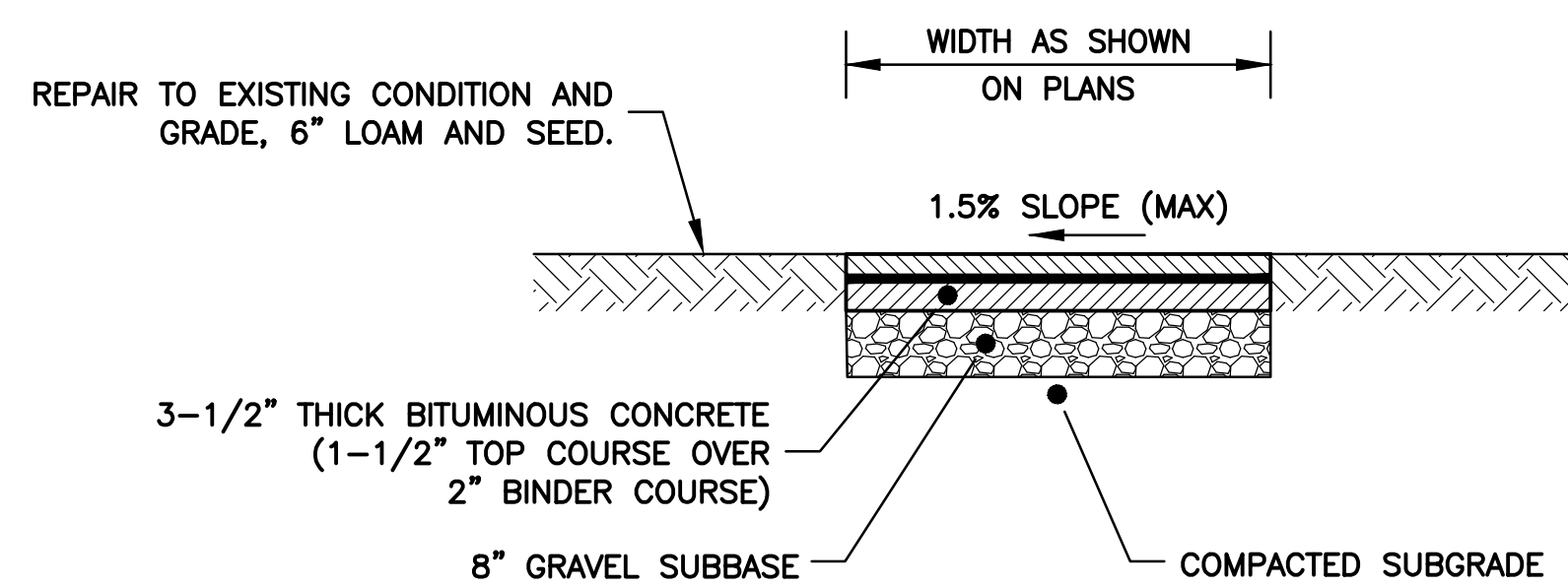
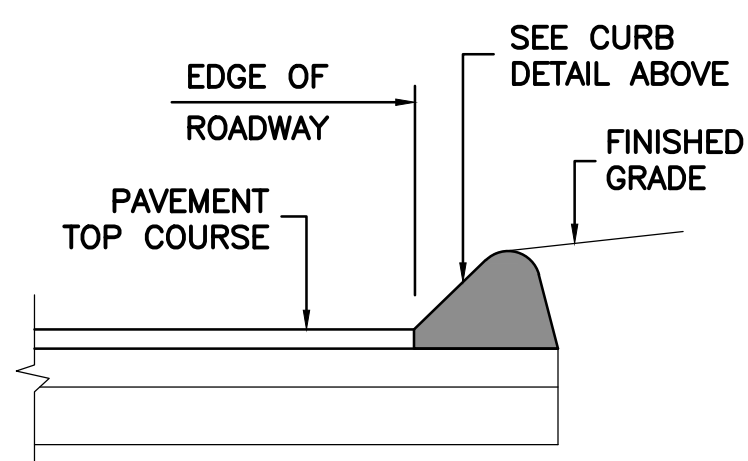




- NOTES:**
1. CONTRACTOR REQUIRED TO MAINTAIN TRENCH SURFACE THROUGHOUT THE PROJECT.
  2. PERMANENT TRENCH TO BE INSTALLED ONLY AT AREAS OF MILLING AND OVERLAY LIMITS.



CURB IS TYPE--2 PER MASSDOT CONSTRUCTION STANDARDS



- NOTES:**
1. REMOVE AND PROPERLY DISPOSE OF EXISTING SIDEWALK.

Project:  
TOWN OF LEDYARD, CT



PHASE 3 LOW PRESSURE SEWER UPGRADE  
LEDYARD, CT 06339

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Drawing Title:

**CIVIL & PAVEMENT DETAILS**

Sheet Number:

**C-201**

Rev: 1.6 Date: 04/10/2019



# EROSION CONTROL NOTES

## PROJECT DESCRIPTION:

A SANITARY SEWER COLLECTION SYSTEM IS PROPOSED FOR GALLUP HILL ROAD IN THE TOWN OF LEDYARD, CONNECTICUT. THE SYSTEM WILL CONSIST OF ROUGHLY 4,350 LINEAR FEET OF LOW PRESSURE SEWER MAIN, CONNECTION TO EXISTING GRAVITY SEWER, AND ODOR CONTROL SYSTEM. THERE WILL LESS THAN 1/4 ACRE OF DISTURBED INLAND WETLAND AREA.

## WATER EROSION CONTROL MEASURES:

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THIS EROSION AND SEDIMENT CONTROL PLAN AND THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002). EACH OF THE CONTRACTORS FOR THE PROJECT SHALL MAINTAIN A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN AND THE CONNECTICUT GUIDELINES ON-SITE DURING CONSTRUCTION ACTIVITIES.

EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIST OF STRAW BALES, NON-WOVEN FILTER FABRIC MATERIAL WITH A WIRE MESH BACKING, OR A WOVEN FABRIC (SILT FENCE), STRAW BALES, CONSTRUCTION ENTRANCE, SEDIMENTATION BASIN, SWALE AND BERM, AND EROSION CONTROL BLANKETS. ALL MATERIAL SHALL BE NEW AND FREE FROM DEFECTS THAT WOULD COMPROMISE THE EFFECTIVENESS OF THE CONTROL MEASURES. AFTER COMPLETION, ALL MATERIAL SHALL BE DISPOSED OF PROPERLY. LOCATION OF EROSION AND SEDIMENT CONTROL STRUCTURES CAN BE SEEN ON THE PLAN DRAWINGS (SEE LEGEND FOR CONTROL STRUCTURE SYMBOL). NOTE ALL EROSION CONTROL MEASURES SHALL BE LOCATED DOWN GRADIENT FROM DISTURBED AREAS. IF TOPSOIL IS TO BE STORED IN AN AREA NOT SHOWN ON THE PLAN DRAWINGS, DUE TO UNFORESEEN EVENTS, PRIOR TO STORING, THE DOWN-GRADIENT PERIMETER OF THE STORAGE AREA SHALL BE PROPERLY PROTECTED TO THE SPECIFICATIONS DETAILED ON THIS PLAN, OR AS REQUIRED BY THE ENGINEER.

## WIND EROSION CONTROL MEASURES:

DURING DRY WEATHER CONDITIONS, DISTURBED AREAS SHALL BE PROTECTED AGAINST WIND EROSION. DUSTY AREAS SHALL BE SPRAYED WITH WATER TO PREVENT WIND-BORNE PARTICLES.

## SUGGESTED CONSTRUCTION SEQUENCE:

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES ON AN INDIVIDUAL PARCEL OR ROADWAY, EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED AS SHOWN ON PLAN DRAWING. A PROPOSED SEQUENCE OF CONSTRUCTION IS:

### PHASE 1: INSTALLATION OF EROSION CONTROLS

1. OBTAIN APPROPRIATE PERMITS, NOTIFY TOWN OFFICIALS OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.
2. SURVEY CLEARING LIMITS (IF ANY) FOR REVIEW AND APPROVAL. NO CLEARING OR TREE REMOVAL SHALL COMMENCE WITHOUT APPROVAL OF THE CLEARING LIMITS BY THE ENGINEER AND THE WETLANDS ENFORCEMENT OFFICER.
3. ON-SITE CONSTRUCTION SEQUENCE SHALL START WITH THE MINIMUM AMOUNT OF CLEARING REQUIRED TO INSTALL SILT FENCE AND STRAW BALES AS SHOWN ON PLAN DRAWINGS.
4. INSTALL SILTATION FENCE AND STRAW BALES AROUND EXISTING WETLAND AREAS IF APPLICABLE.
5. FOLLOWING INSTALLATION OF THE EROSION CONTROLS, CONTRACTOR SHALL CONTACT THE ENGINEER AND WETLAND ENFORCEMENT OFFICER FOR INSPECTION AND APPROVAL OF INSTALLED MEASURES. NO WORK SHALL COMMENCE UNTIL ALL EROSION CONTROL STRUCTURES HAVE BEEN INSTALLED AND APPROVED BY THE ENGINEER AND WETLANDS ENFORCEMENT OFFICER.

### PHASE 2: CLEARING, CONSTRUCTION, & RESTORATION

6. REMOVE VEGETATION AS REQUIRED FROM PROPOSED CONSTRUCTION AREA AS SHOWN ON THE DRAWINGS. ALL STUMPS AND WOOD SHALL BE TAKEN FROM SITE AND BROUGHT TO AN APPROVED LOCATION.
7. STRIP AND STOCKPILE TOPSOIL FROM PROPOSED CONSTRUCTION AREAS. STOCKPILED TOPSOIL SHALL BE SEEDED AND MULCHED WHEN IT IS TO BE STORED FOR MORE THAN 30 DAYS FROM TIME OF STOCKPILING.
8. INSTALL SANITARY SEWER PIPING AT THE LOCATION INDICATED ON THE PLANS OR AS APPROVED IN THE FIELD BY ENGINEER.
9. REDISTRIBUTE TOPSOIL ON DISTURBED AREAS, AND LOAM AND SEED TO FULLY RESTORE DISTURBANCE.
10. REMOVE ALL EROSION AND SEDIMENT STRUCTURES AFTER THE FINAL GRADED DISTURBED AREAS HAVE STABILIZED.

## CONSTRUCTION SCHEDULE

PHASE DESCRIPTION	INDIVIDUAL PARCELS	ESTIMATED DURATION
INSTALL EROSION CONTROLS		1 WEEK
CLEARING		1 WEEK
INSTALL SANITARY SEWER FORCE MAIN		12 WEEKS
RESTORATION		2 WEEKS

## SEEDING:

ALL DISTURBED AREAS SHALL BE RESTORED WITH A VEGETATIVE STABILIZATION MATERIAL (GRASS). THE SOIL SHOULD BE BROUGHT UP TO A PH OF 5.7 OR HIGHER BY USING THE APPROPRIATE AMOUNT OF GROUND LIMESTONE OR FERTILIZER, AS REQUIRED BY A SOIL TEST. IF A SOIL TEST IS NOT PERFORMED, THE AREA SHALL BE FERTILIZED WITH 10-10-10 OR EQUAL AT A RATE OF 300 POUNDS PER ACRE (11 POUNDS PER 1000 SQUARE FEET). THE LIME OR FERTILIZER SHALL BE WORKED INTO THE SOIL A MINIMUM OF 4 INCHES. ALL STONES TWO INCHES OF LARGER IN DIAMETER SHALL BE REMOVED ALONG WITH ALL DELETERIOUS MATERIAL (SUCH AS BUILDING MATERIAL WASTE, STUMPS, ETC.). THE SEED SHALL BE APPLIED EITHER BY HAND, CYCLONE SEEDER, A CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING BOTH SEED AND FERTILIZER). HYDROSEEDINGS THAT ARE MULCHED MAY BE LEFT ON SOIL SURFACE. SEED MIX SHALL CONSIST OF 20 POUNDS OF KENTUCKY BLUEGRASS, 20 POUNDS OF CREEPING RED FESCUE, AND 5 POUNDS OF PERENNIAL RYEGRASS, FOR A TOTAL OF 45 POUNDS OF SEED PER ACRE. RECOMMENDED SEEDING DATES ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 1. ALL SEEDED AREAS SHALL BE MAINTAINED TO ENSURE PROPER GROWTH AND TO MINIMIZE EROSION. SEEDING IN WETLANDS (IF REQUIRED) SHALL BE COMPLETED USING NEW ENGLAND WETMIX. SEED MIX SHALL BE SPREAD AT A RATE OF 1 POUND PER 2,500 SQUARE FEET.

## MULCH:

MULCH SHALL CONSIST OF STRAW OR STRAW. IT SHALL BE APPLIED AT A RATE OF 1.5 - 2.0 TONS PER ACRE, OR 70 - 90 POUNDS (1-1/2 - 2) BALES PER 1000 SQUARE FEET (31.6' X 31.6'). ALL MULCH MATERIAL SHALL BE FREE FROM WEEDS AND COARSE MATTER. ALL REQUIRED GRADING SHOULD BE COMPLETED PRIOR TO PLACEMENT OF MULCH. APPLICATION OF MULCH MATERIAL SHALL BE BY HAND OR MACHINE AND UNIFORM IN THICKNESS. MULCH MATERIAL SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO MINIMIZE WINDBLOWN DISTURBANCE. ANCHORING SHALL BE BY MECHANICAL DEVICE OR LIQUID MULCH BINDER DURING MULCH APPLICATION.

## STORMWATER AND DEWATERING DISCHARGES:

### THE CONTRACTOR SHALL:

1. REGISTER FOR THE CT DEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
2. CONSTRUCT AND MAINTAIN APPROPRIATE TREATMENT OF CONSTRUCTION DEWATERING DISCHARGES AS SHOWN ON THE DRAWINGS AND AS SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING THE REQUIRED DEWATERING TREATMENT MEANS, AND SIZING THE SYSTEM AS OUTLINED IN THE CONNECTICUT SOIL AND EROSION CONTROL GUIDELINES. DISCHARGE FROM THE SYSTEM SHALL NEITHER CAUSE EROSION OR RESULT IN SEDIMENTATION.

## MAINTENANCE OF EROSION AND SEDIMENT CONTROLS:

EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002). THE CONTRACTOR SHALL MAINTAIN A COPY OF THE GUIDELINES ON-SITE AND ADHERE TO THE APPROPRIATE MAINTENANCE PROCEDURES THROUGHOUT THE CONSTRUCTION. A SUMMARY OF THE MAINTENANCE REQUIREMENTS FOR THE PROJECT IS PROVIDED AS FOLLOWS:

ALL EROSION AND SEDIMENT STRUCTURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION CONCERN TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED AT THE PROJECT IN A WORKABLE LOCATION AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED. IN THE EVENT THERE IS A RAINFALL GREATER THAN 1/2" IN A 12 HOUR PERIOD, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED WITHIN 24-HOURS OF THAT RAIN EVENT. IF NO RAIN GAUGE IS USED, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAINFALL EVENT.

## LOW PRESSURE SEWER CONSTRUCTION:

CONSTRUCTION AREAS SHALL BE INSPECTED AT THE COMPLETION OF EACH WORKING DAY. THE CONSTRUCTION AREAS SHALL BE MAINTAINED DAILY AND SWEEP AS REQUIRED TO MINIMIZE RUNOFF OF SEDIMENTS ONTO SURROUNDING LAWN AND/OR WOODED AREAS. AVOID TRACKING MATERIALS INTO ADJACENT STREETS. ROADS ADJACENT TO THE CONSTRUCTION AREAS SHALL BE LEFT CLEAN AT THE END OF EACH WORKING DAY

## SILT FENCE AND STRAW BALES:

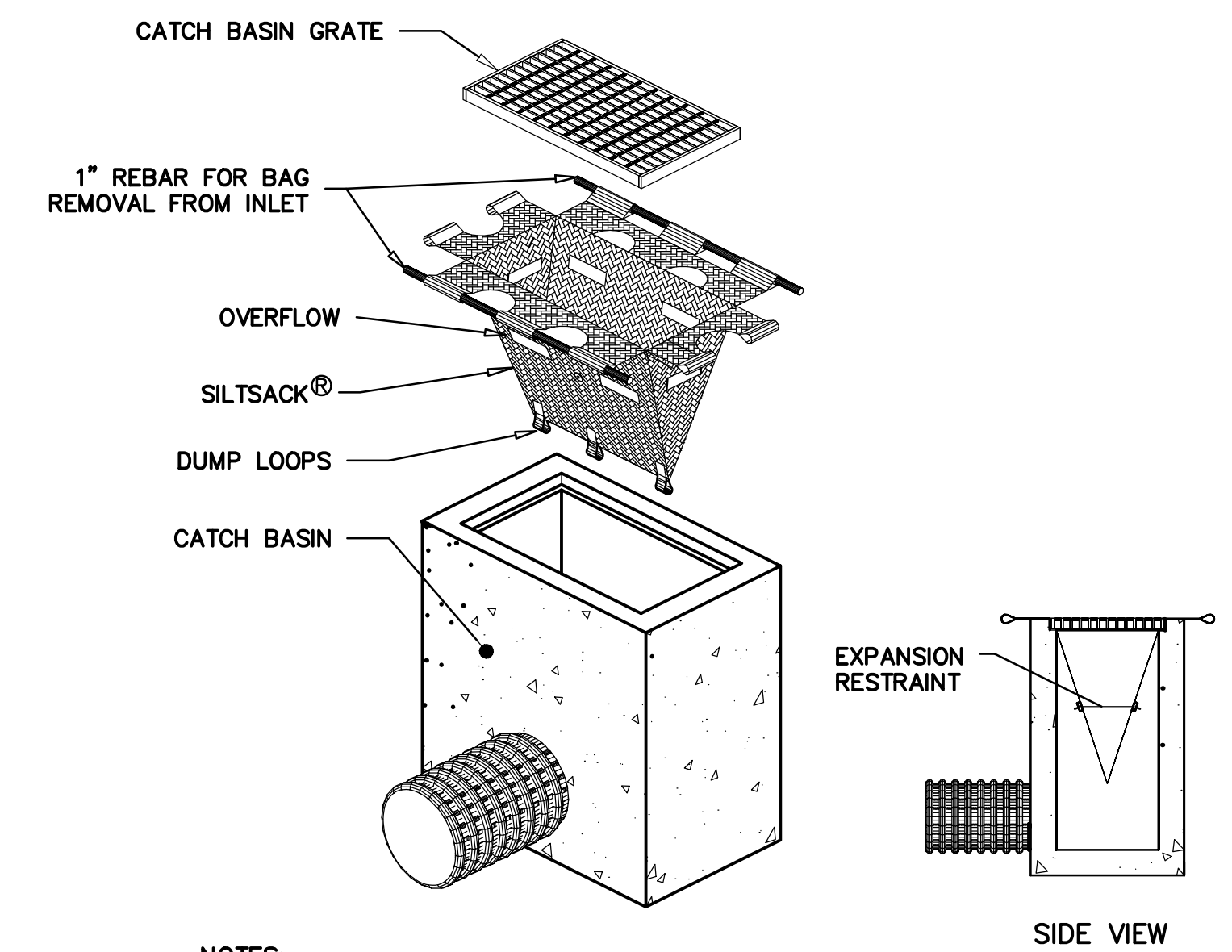
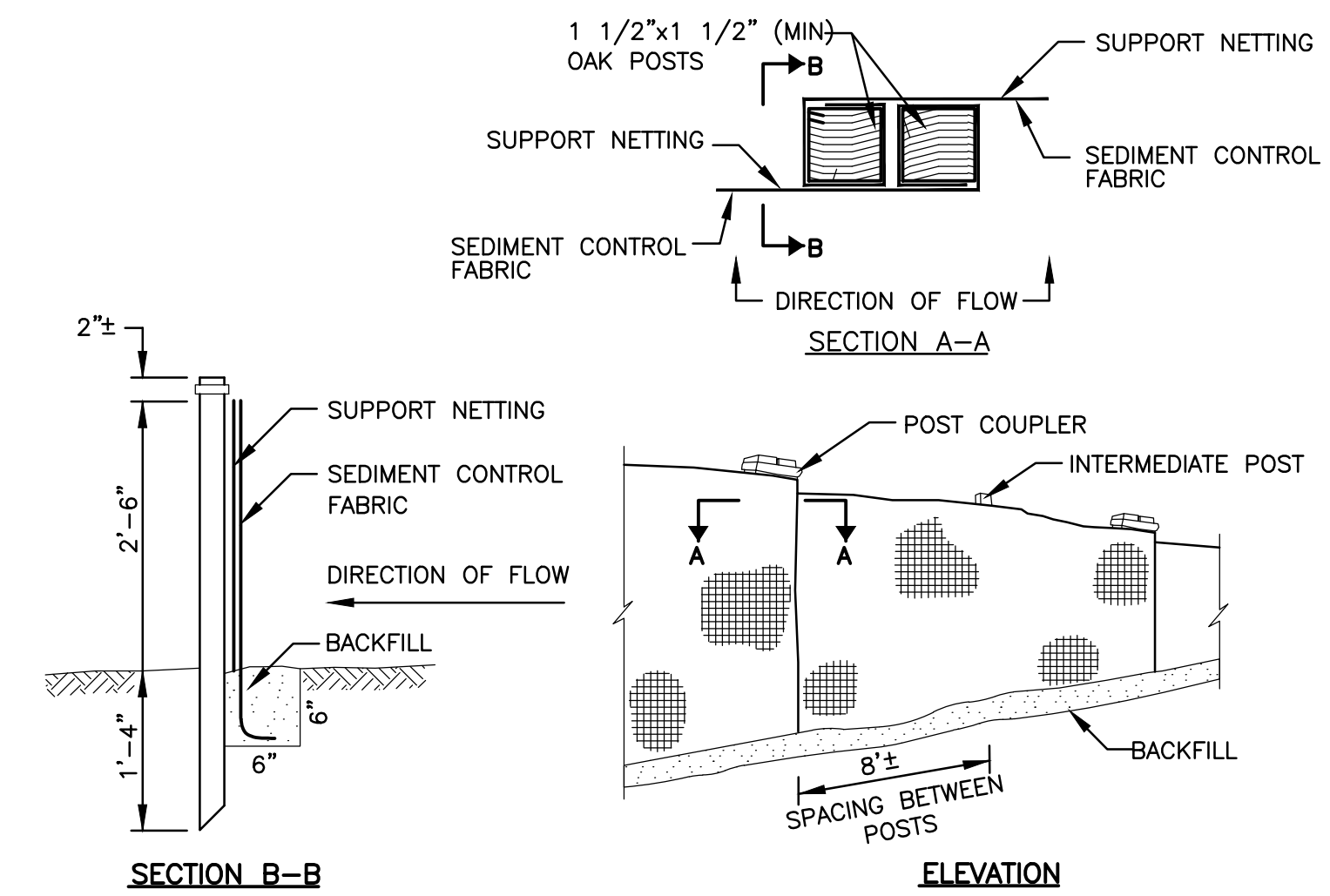
INSPECT WEEKLY AT A MINIMUM, OR AS OTHERWISE REQUIRED FOLLOWING RAIN EVENTS (SEE ABOVE). REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THE FACILITIES IN PROPER WORKING ORDER. ADDITIONAL SILT FENCE AND STRAW BALES SHALL BE ADDED AS NEEDED DURING THE PROJECT TO REPLACE FAILED SYSTEMS OR LIMIT OTHER AREAS OF EROSION ON THE SITE OR AS DIRECTED BY THE ENGINEER.

## RECORD KEEPING:

A CHECK LIST (PROVIDED BY THE ENGINEER) SHALL BE FILLED OUT BY THE CONTRACTOR EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER AS NOTED ABOVE.

## GENERAL EROSION CONTROL & SEDIMENTATION PLAN NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (MARCH 2024). THE CONTRACTOR SHALL OWN AND MAINTAIN A COPY OF THE GUIDELINES ON-SITE DURING CONSTRUCTION.
2. ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.
3. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO SITE WORK. IF IT IS NOT POSSIBLE TO DO SO, THE ENGINEER SHALL BE NOTIFIED IN ORDER TO MONITOR THE INTEGRITY OF DESIGN.
4. ALL CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY, ADDITIONAL CONTROL MEASURES SHALL BE PROVIDED.
5. ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FILTER FABRIC, STRAW BALES OR SILTATION FENCE SHALL BE USED IN THE AREAS SHOWN ON THE SITE PLAN AND INSTALLED AS SHOWN ON THIS PLAN.
6. THE CONTRACTOR SHALL OBTAIN COPIES OF THE ZONING, WETLANDS AND CTDEEP STORMWATER PERMITS PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENT AND EROSION CONTROL MEASURES, WHETHER INSTALLED ON PUBLIC OR PRIVATE PROPERTIES.
8. TWO (2) WEEKS PRIOR TO THE START OF WORK THE CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES, THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES.
9. THE ENGINEER, WESTON AND SAMPSON ENGINEERS, INC. (860-513-1473) 712 BROOK ST SUITE 103, ROCKY HILL, CT, 06067 SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO VERIFY THE INTEGRITY OF THE PLAN WITH THE PROPOSED CHANGE. NO CHANGES SHALL BE MADE TO THE PLAN WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.



## NOTES:

1. PROVIDE HI-FLOW SILT SACK TYPE A FOR TYPE "C-L" CATCH BASIN TOPS AND TYPE B WITH CURB DEFLECTOR FOR TYPE "C" CATCH BASIN TOPS OR OTHER STRUCTURES WITH CURB INLET.

## CATCH BASIN INLET PROTECTION N.T.S.

Project:  
TOWN OF LEDYARD, CT

PHASE 3 LOW PRESSURE SEWER UPGRADE  
LEDYARD, CT 06339

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**SOIL EROSION AND SEDIMENT CONTROL PLAN**

Sheet Number:  
**C-202**

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