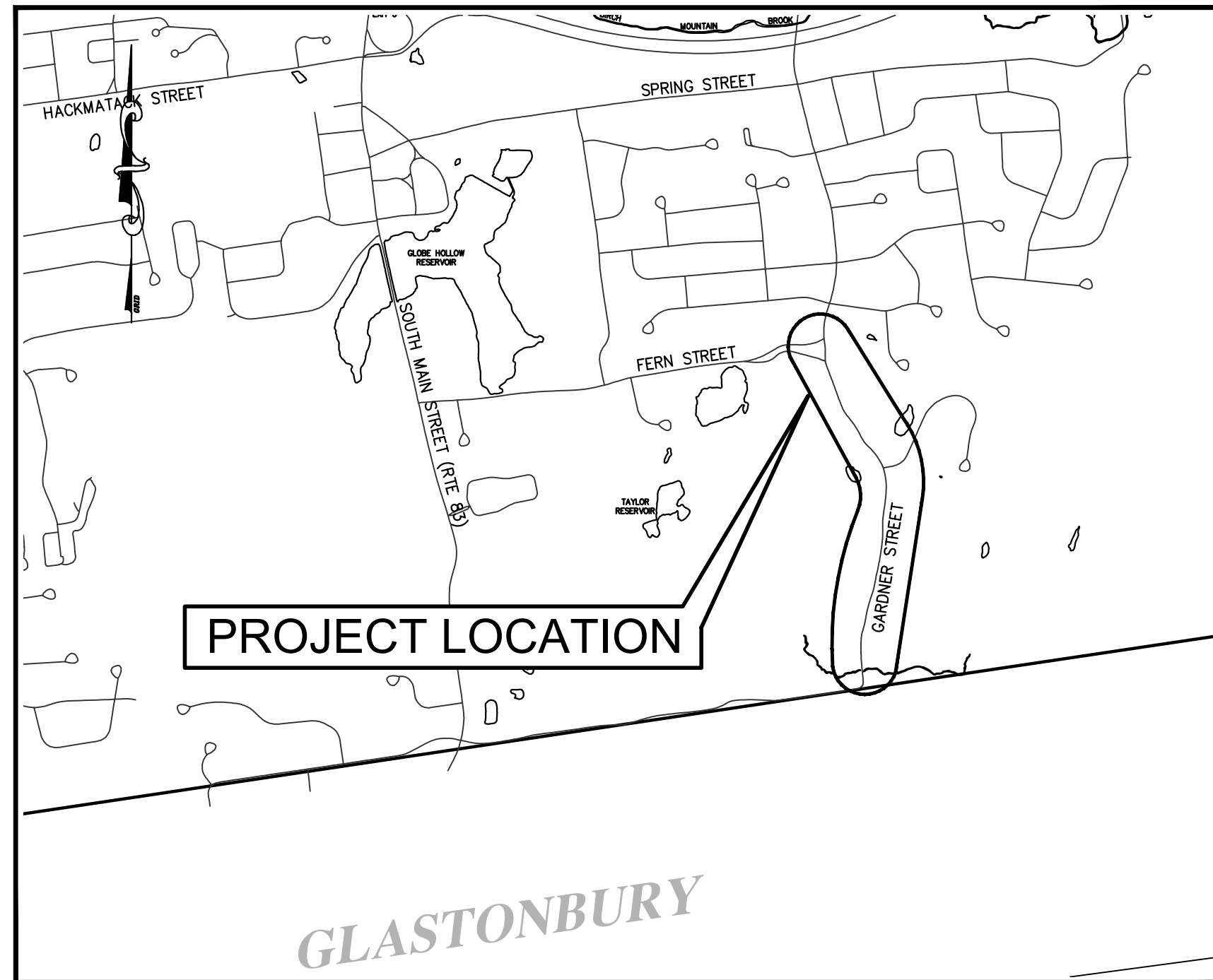


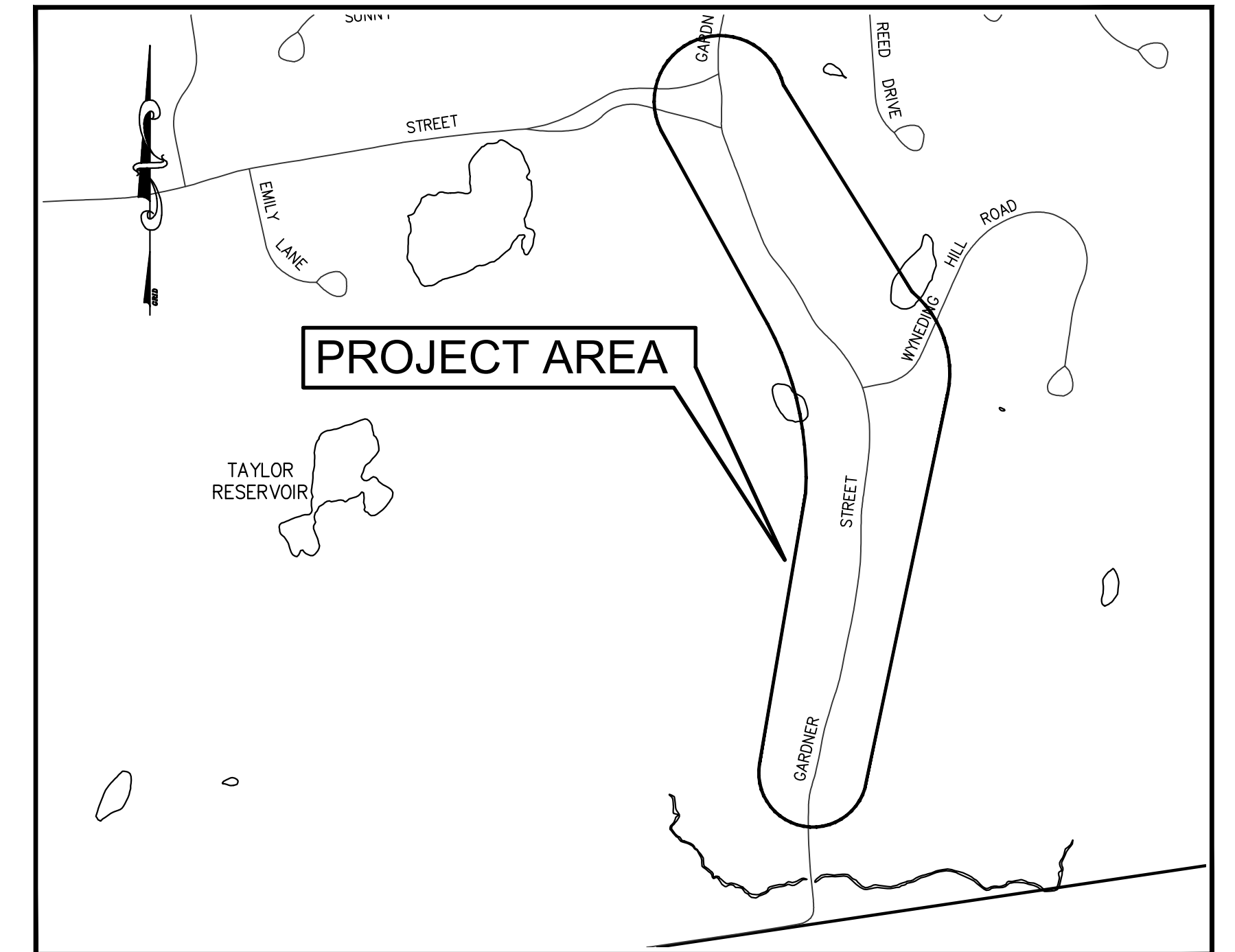
TOWN OF MANCHESTER

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION



LOCATION MAP
1" = 1500'



SITE MAP
1" = 600'

GARDNER STREET RECONSTRUCTION

LINE STREET TO FERN STREET

MAY 2022

DESIGN STANDARD : TOWN OF MANCHESTER PUBLIC IMPROVEMENT STANDARDS, EFFECTIVE DATE OCTOBER 31, 2020, AS AMENDED

DATUMS : ALL ELEVATIONS ON THIS PROJECT BASED ON THE TOWN OF MANCHESTER CONTROL NETWORK.
HORIZONTAL CONTROL BASED ON THE TOWN OF MANCHESTER CONTROL NETWORK.

STANDARD SPECIFICATIONS : SEE CONTRACT DOCUMENTS

DESIGN SCALES : PLAN: 1" = 20'
OTHER SCALES AS NOTED

LIST OF DRAWINGS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	NOTES AND TYPICAL SECTIONS
3-6	EXISTING CONDITIONS PLANS
7-10	LAYOUT PLANS
11-14	PROFILES
15	RETAINING WALL PLAN
16-19	PAVEMENT MARKINGS AND SIGNING PLANS
20-23	GRADING AND TURF ESTABLISHMENT PLANS
24-27	DETAILS
	USDOT STEEL BACKED TIMBER RAIL DETAILS

DESIGNED BY:
TOWN OF MANCHESTER
ENGINEERING DIVISION

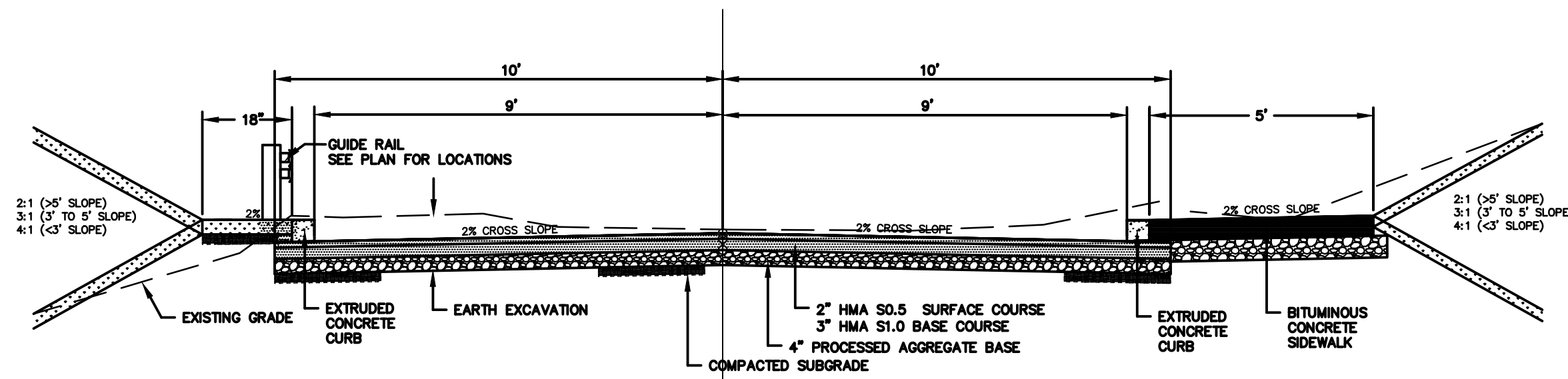
JEFF LAMALVA
TOWN ENGINEER
P.E. NO. 20967

GENERAL NOTES:

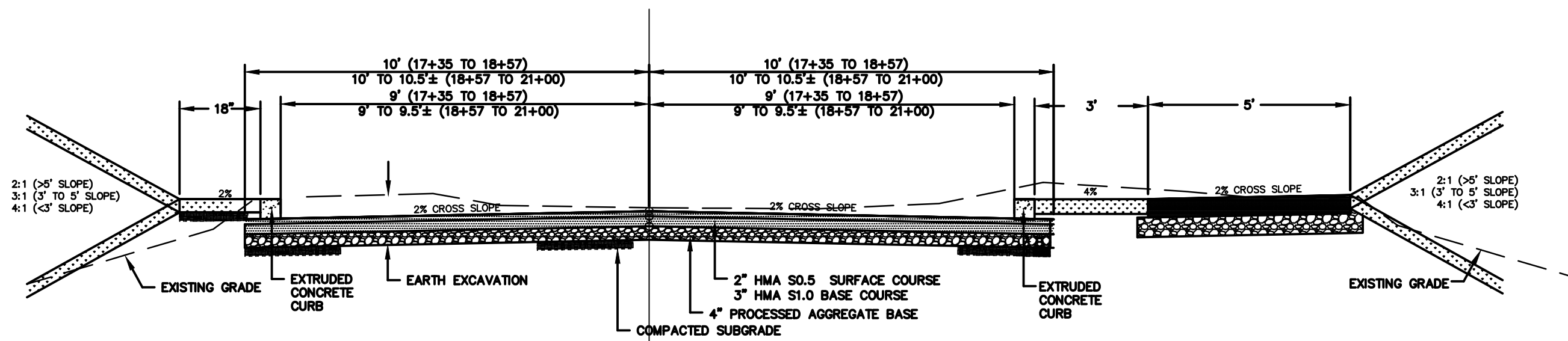
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "MANCHESTER PUBLIC IMPROVEMENT STANDARDS", EFFECTIVE OCTOBER 31, 2020, AS AMENDED AND THE STATE OF CONN. DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020, INCLUDING ANY SUPPLEMENTS.
- ALL ELEVATIONS ARE BASED ON THE TOWN OF MANCHESTER CONTROL NETWORK.
- IMPLEMENTING WORKER SAFETY AND HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH ALL RULES, LAWS AND REGULATIONS REGARDING SAFETY AND RISK OF EXPOSURE TO PHYSICAL AND CHEMICAL HAZARDS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL EMPLOYEES OF THE CONTRACTOR AND SUBCONTRACTORS ARE TO WEAR REFLECTIVE VESTS AND HARD HATS AT ALL TIMES WHEN ON THE PROJECT SITE.
- A PRECONSTRUCTION MEETING WITH TOWN STAFF IS REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS TO MINIMIZE THE SIZE OF DISTURBED AREAS AND PERIOD OF TIME THESE AREAS ARE LEFT UNSTABILIZED AND SUBJECT TO EROSION. THIS INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF DRAINAGE SYSTEMS DURING THE EARLY STAGES OF CONSTRUCTION AND LIMITING LENGTHS OF RECLAMATION AND FULL-DEPTH ROAD RECONSTRUCTION AREAS TO ALSO LESSEN IMPACTS TO VEHICLE AND PEDESTRIAN TRAVEL THROUGH THE PROJECT AREA.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB EXISTING MONUMENTATION THAT MAY BE PRESENT NEAR THE PROJECT AREA.
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS AND PAY ASSOCIATED FEES PRIOR TO ANY CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN THE STREET LINE AND LIMITS OF UTILITY EASEMENTS UNLESS SHOWN OTHERWISE ON THE PLANS.
- THE CONTRACTOR SHALL RESTORE TWO LANES OF TRAFFIC ON GARDNER STREET AT THE END OF EACH WORK DAY. IT IS ANTICIPATED THAT THE ROAD WILL REMAIN OPEN AT ALL TIMES WITH ALTERNATING ONE LANE TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COMMIT SUFFICIENT RESOURCES TO THE PROJECT TO ENSURE THE PROJECT IS COMPLETED WITHIN THE ALLOTTED CONTRACT TIME. ONCE MOBILIZED, THE CONTRACTOR SHALL WORK CONTINUOUSLY ON THE PROJECT UNTIL COMPLETION. ANY UNAUTHORIZED VACATING OF THE JOBSITE IS SUBJECT TO PENALTIES DESCRIBED UNDER THE "LIQUIDATED DAMAGES" SECTION OF THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT STORE CONSTRUCTION EQUIPMENT OR MATERIALS WITHIN THE PUBLIC RIGHT-OF-WAY.
- CONSTRUCTION ENTRANCES ARE NOT SHOWN ON THE PLAN; HOWEVER, THEY SHALL BE INSTALLED WHERE DIRECTED BY THE ENGINEER DURING CONSTRUCTION FOR EGRESS FROM TEMPORARY STOCKPILE AREAS. THE PROPOSED LOCATION OF STOCKPILE AREAS SHALL BE IDENTIFIED BY THE CONTRACTOR.
- NO WORK SHALL COMMENCE UNTIL ALL CONSTRUCTION AREA SIGNS ARE IN PLACE.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
- ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH TOPSOIL, FERTILIZED AND SEEDS AS PER THE SPECIFICATIONS. CONTRACTOR SHALL MAKE ALL EFFORTS TO MINIMIZE THE LIMITS OF DISTURBANCE AND ASSOCIATED RESTORATION THAT IS REQUIRED.
- ANY DRIVEWAYS, SIDEWALKS, CURB AND LAWN AREAS LOCATED ON PRIVATE PROPERTY OR WITHIN THE RIGHT-OF-WAY THAT ARE IMPACTED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AS IDENTIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE REQUIRED LIMITS OF SUCH RESTORATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. RESTORATION ON PRIVATE PROPERTY SHALL BE COMPLETED AS PROMPTLY AS PRACTICAL WITHIN THIRTY (30) CALENDAR DAYS OF COMPLETING WORK ON THE PROPERTY.
- ACTUAL LIMITS OF DRIVEWAY RECONSTRUCTION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. THE CONTRACTOR SHALL AVOID IMPACTS TO EXISTING DRIVEWAYS WHEREVER POSSIBLE TO MINIMIZE REQUIRED RECONSTRUCTION LIMITS.
- ALL SEDIMENT CONTROL SYSTEMS SHALL MEET THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AS PREPARED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, LATEST EDITION. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPAIR OF EROSION CONTROLS REQUIRED FOR THE PROJECT. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED BY THE CONTRACTOR FOR TEMPORARY STOCKPILING OF EXCAVATED MATERIAL AND WHERE DEEMED NECESSARY BY THE ENGINEER. EROSION CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL THE SITE IS STABILIZED AND THE ENGINEER APPROVES THEIR REMOVAL.
- SILT SACKS SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE PROJECT AREA AND WHERE DIRECTED BY THE ENGINEER. SILT SACKS SHALL BE THE APPROPRIATE TYPE FOR CATCH BASINS WITH AND WITHOUT CURB INLETS.
- HORIZONTAL AND VERTICAL LOCATIONS OF PROPOSED WORK MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF CONDITIONS ENCOUNTERED IN THE FIELD ARE DIFFERENT THAN INFORMATION SHOWN ON THE PLANS.
- THE EXISTENCE OF UTILITIES AND APPURTENANCES AS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE EXACT SIZE, LOCATION, TYPE, AND ELEVATION OF ALL UTILITIES WITHIN ALL WORK AREAS SHALL BE THOROUGHLY INVESTIGATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AND MUST HAVE ALL UTILITIES MARKED ON THE GROUND PRIOR TO THE START OF CONSTRUCTION.
- THE QUANTITIES AS INDICATED IN THE CONTRACT DOCUMENTS ARE APPROXIMATE AND MAY NOT INDICATE THE ACTUAL QUANTITIES OF WORK REQUIRED. THE CONTRACTOR MUST VERIFY ALL QUANTITIES.
- SURPLUS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE

CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF SURPLUS EXCAVATED MATERIAL IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

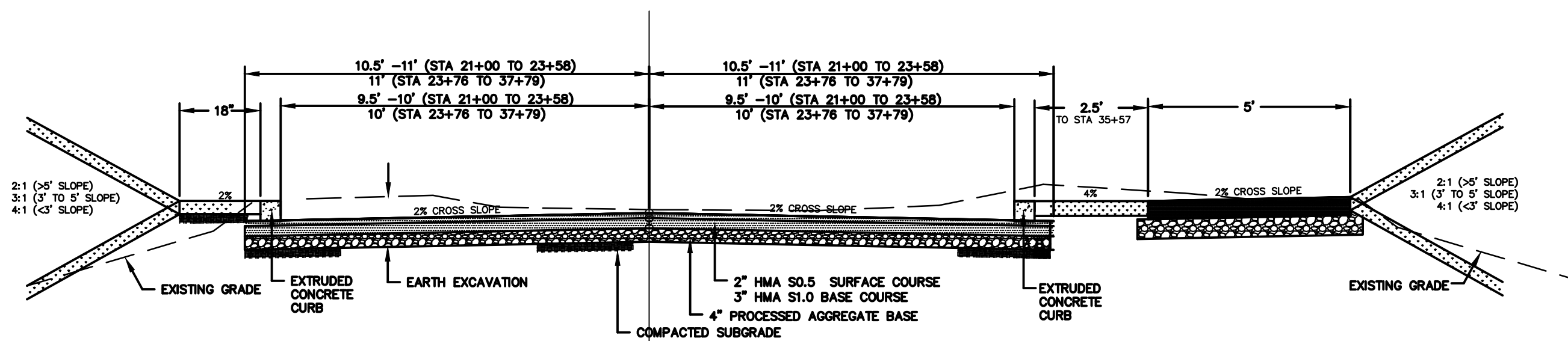
- PROPOSED STRUCTURE FRAME ELEVATIONS IDENTIFIED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL SET FRAME ELEVATIONS AS REQUIRED BASED ON EXISTING FEATURES AND GRADES IN THE VICINITY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT A PLAN TO THE ENGINEER FOR PROPOSED METHODS TO DEWATER THE SITE (WHERE REQUIRED). SUCH PLAN SHALL INCLUDE THE INSTALLATION OF SILT BAGS AT PUMP DISCHARGES WITH SILT FENCE/HAYBALES FOR EROSION CONTROL. PROPOSED DISCHARGE LOCATIONS AND ALL EROSION CONTROLS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY HANDLING OF ALL STORMWATER RUNOFF DURING CONSTRUCTION. METHODS OF HANDLING RUNOFF SHALL BE APPROVED BY THE ENGINEER.
- AT THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING NEW DRAINAGE SYSTEMS TO EXISTING. ALL DRAINAGE SYSTEMS WITHIN THE CONSTRUCTION LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR.
- ALL NEW CATCH BASINS SHALL HAVE 2 FT SUMP DEPTHS UNLESS OTHERWISE NOTED.
- FOR CONNECTIONS TO EXISTING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL VERIFY THE EXISTING STRUCTURE INVERTS, NOTIFY THE ENGINEER IF A DISCREPANCY EXISTS, AND ADJUST THE PIPE SLOPES AS DIRECTED.
- THE CONTRACTOR SHALL NOT ABANDON ANY EXISTING DRAINAGE PIPES UNLESS CALLED FOR ON THE PLANS OR DIRECTED BY THE ENGINEER. PIPES THAT ARE TO BE ABANDONED SHALL BE BULKHEADED AT EACH END AND COMPLETELY FILLED WITH FLOWABLE CONCRETE AS DIRECTED BY THE ENGINEER (PAY ITEM: ABANDON PIPE). IF PIPE HAS A BLIND TIE-IN TO THE EXISTING MAIN, THEN PIPE SHALL BE BULKHEADED AT THE UPSTREAM END ONLY (PAY ITEM: PLUG PIPE).
- ALL SIDEWALKS, DRIVEWAY APRONS AND SIDEWALK RAMPS SHALL BE CONSTRUCTED TO PROVIDE HANDICAPPED ACCESSIBILITY IN ACCORDANCE WITH THE CONNECTICUT BUILDING CODE.
- CONCRETE SIDEWALK RAMPS ARE TO MATCH EXISTING CURB RADII AND HAVE A 5' MINIMUM RADIUS UNLESS NOTED OTHERWISE. THE ENGINEER WILL PROVIDE STAKES AS REQUIRED DURING CONSTRUCTION FOR LOCATIONS WITH RADII THAT VARY FROM EXISTING.
- ALL CONCRETE SIDEWALK RAMPS SHALL BE INSTALLED WITH DETECTABLE WARNING TILES.
- DUE TO THE DENSITY OF GROWTH, THE PLANS DO NOT IDENTIFY THE LOCATION OF ALL TREES IMPACTED BY CONSTRUCTION. IT IS RECOMMENDED THE CONTRACTOR VISIT THE SITE TO IDENTIFY THE EXTENT OF TREE CLEARING REQUIRED WITHIN THE PROPOSED LIMITS OF DISTURBANCE PRIOR TO BIDDING ON THE PROJECT. TREES LOCATED WITHIN THE LIMITS OF CLEARING WILL BE REMOVED AS DIRECTED BY THE ENGINEER.
- RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DIVISION UPON COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING ALL INFORMATION NECESSARY TO GENERATE THE DRAWINGS. A REDLINED PROGRESS SET OF DRAWINGS SHALL BE MAINTAINED DAILY AND BE AVAILABLE TO THE ENGINEER AT ALL TIMES.
- IT IS ANTICIPATED THAT SUITABLE, EXCESS EXCAVATED MATERIAL FROM THE PROJECT WILL BE USED AS FILL MATERIAL OUTSIDE OF ROAD LIMITS WHERE DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL MAY BE USED WITHIN THE ROAD LIMITS ONLY WHEN APPROVED BY THE ENGINEER; OTHERWISE, GRANULAR FILL MUST BE PROVIDED. THERE WILL BE NO SEPARATE PAYMENT FOR PLACEMENT OF EXCAVATED MATERIAL.



STA 0+00 TO 17+35



STA 17+35 TO 21+00



STA 21+00 TO 37+79



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

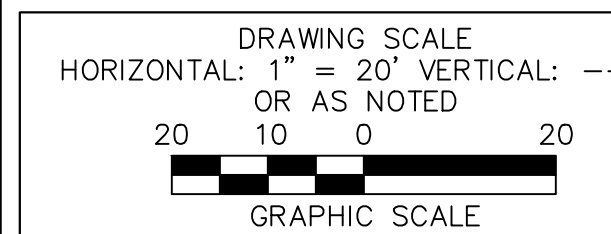
— WETLANDS BOUNDARY	☆ LIGHT POLE
— RETAINING WALL	⊙ CONIFEROUS TREE
— GUIDE RAIL	⊙ DECIDUOUS TREE
— STONE WALL	⊙ SANITARY MANHOLE
— STOCKPILE FENCE	⊙ DRAINAGE MANHOLE
— WIRE FENCE	⊙ CATCH BASIN
— CHAIN LINK FENCE	⊙ CULVERT END
— PROPERTY LINE	⊙ HYDRANT
— RAILROAD TRACKS	⊙ CURB STOP
— SILT FENCE	⊙ WATER VALVE
⊙ CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
⊙ GRANITE MONUMENT	⊙ SLOW OFF
⊙ IRON PIPE	⊙ SIGN
⊙ IRON ROD	⊙ DOUBLE POST SIGN
⊙ CONTROL POINT	⊙ MAIL BOX
⊙ DRILL HOLE	⊙ BOLLARD
⊙ UTILITY POLE	⊙ CONTROLLER CABINET
⊙ UTILITY POLE WITH LIGHT	⊙ GAS GATE
⊙ TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
⊙ ELECTRIC BOX	⊙ CATV TUBE
⊙ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**NOTES AND
TYPICAL SECTIONS**

SHEET NUMBER
2 of 27



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

- - -	WETLAND BOUNDARY	☆	LIGHT POLE
- - -	RETAINING WALL	⊗	CONIFEROUS TREE
⊘	GRASS	⊗	DECIDUOUS TREE
⊘	STONE WALL	⊗	SANITARY MANHOLE
⊘	STOCKADE FENCE	⊗	DRAINAGE MANHOLE
⊘	WIRE FENCE	⊗	CATCH BASIN
⊘	CHAIN LINK FENCE	⊗	CULVERT END
⊘	PROPERTY LINE	⊗	HYDRANT
⊘	RAILROAD TRACKS	⊗	CURB STOP
⊘	SILT FENCE	⊗	WATER VALVE
⊘	CONCRETE MONUMENT	⊗	BUTTERFLY VALVE
⊘	GRANITE MONUMENT	⊗	BLOW OFF
⊘	IRON PIPE	⊗	SIGN
⊘	IRON ROD	⊗	DOUBLE POST SIGN
⊘	CONTROL POINT	⊗	MAIL BOX
⊘	DRILL HOLE	⊗	ROLLBAR
⊘	UTILITY POLE	⊗	CONTROL CABINET
⊘	UTILITY POLE WITH LIGHT	⊗	GAS GATE
⊘	TRAFFIC SPAN POLE	⊗	TELEPHONE BOX
⊘	ELECTRIC BOX	⊗	CATV TUBE
⊘	WETLAND FLAG	⊗	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20'
VERTICAL: ---
OR AS NOTED
GRAPHIC SCALE

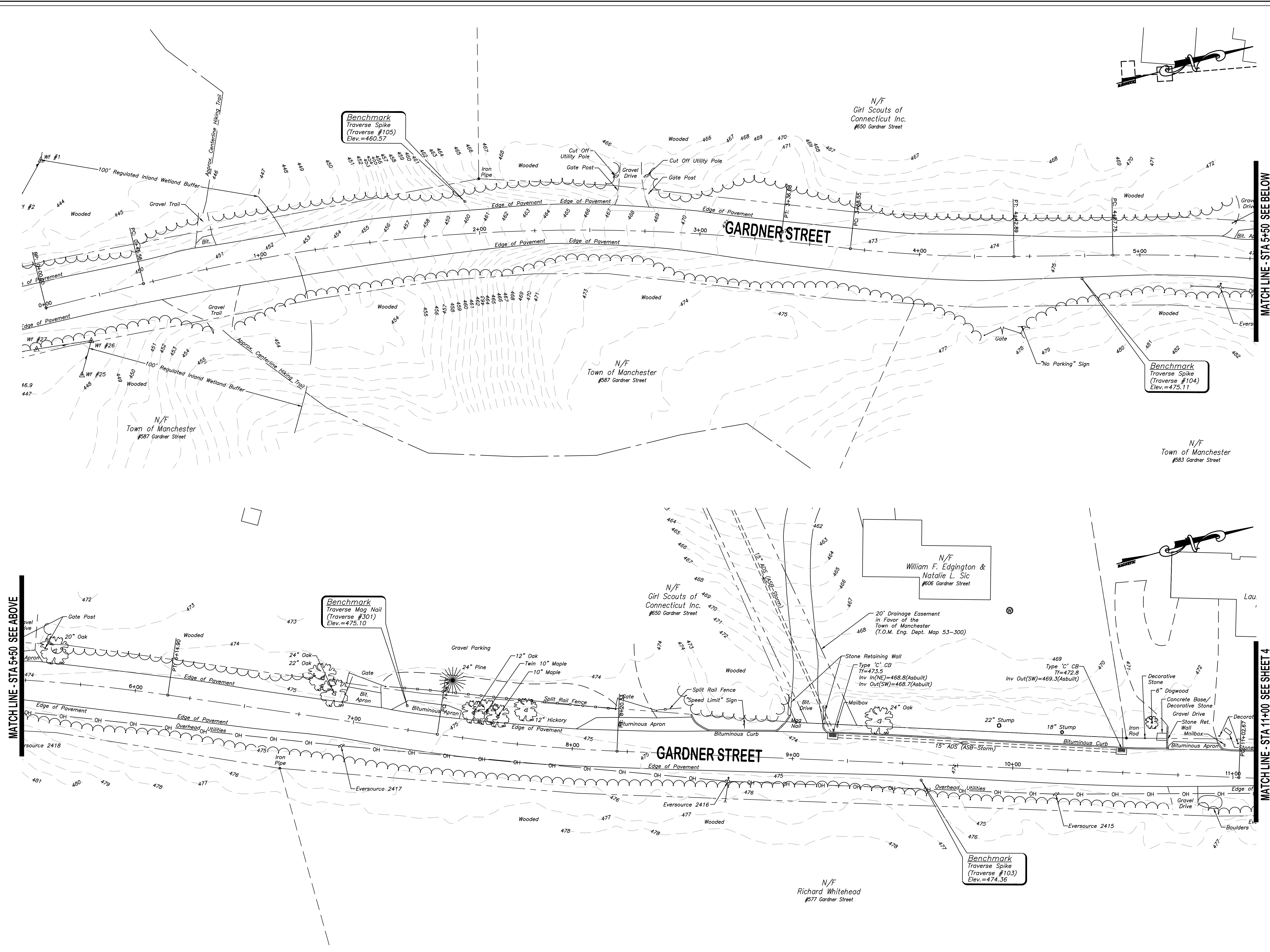
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**EXISTING
CONDITIONS PLAN**

SHEET NUMBER
3 of 27





TOWN OF MANCHESTER
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 494 MAIN STREET - P.O. BOX 191
 MANCHESTER, CT 06045-0191

LEGEND

---	WETLAND BOUNDARY	○	LIGHT POLE
---	RETAINING WALL	○	CONIFEROUS TREE
---	QUAKE WALL	○	DECIDUOUS TREE
---	STONE WALL	○	SANITARY MANHOLE
---	STOCKADE FENCE	○	DRAINAGE MANHOLE
---	WIRE FENCE	○	CATCH BASIN
---	CHAIN LINK FENCE	○	CULVERT END
---	PROPERTY LINE	○	WIDENING
---	RAILROAD TRACKS	○	CURB STOP
---	SILT FENCE	○	WATER VALVE
---	CONCRETE MONUMENT	○	BUTTERFLY VALVE
---	GRANITE MONUMENT	○	BLOW OFF
---	IRON PIPE	○	SIGN
---	IRON ROD	○	DOUBLE POST SIGN
---	CONTROL POINT	○	MAIL BOX
---	DRILL HOLE	○	BOLLARD
---	UTILITY POLE	○	CONTROLLER CABINET
---	UTILITY POLE WITH LIGHT	○	GAS GATE
---	TRAFFIC SPAN POLE	○	TELEPHONE BOX
---	ELECTRIC BOX	○	WETLAND FLAG
---	WETLAND FLAG	○	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
02/01/22	FINAL DESIGN	
05/23/22	ADDENDUM NO. 1	

DRAWN BY: JED
 CHECKED BY: JL
 RELEASED BY: JL

DRAWING SCALE
 HORIZONTAL: 1" = 20'
 VERTICAL: --- OR AS NOTED
 20 10 0 20
 GRAPHIC SCALE

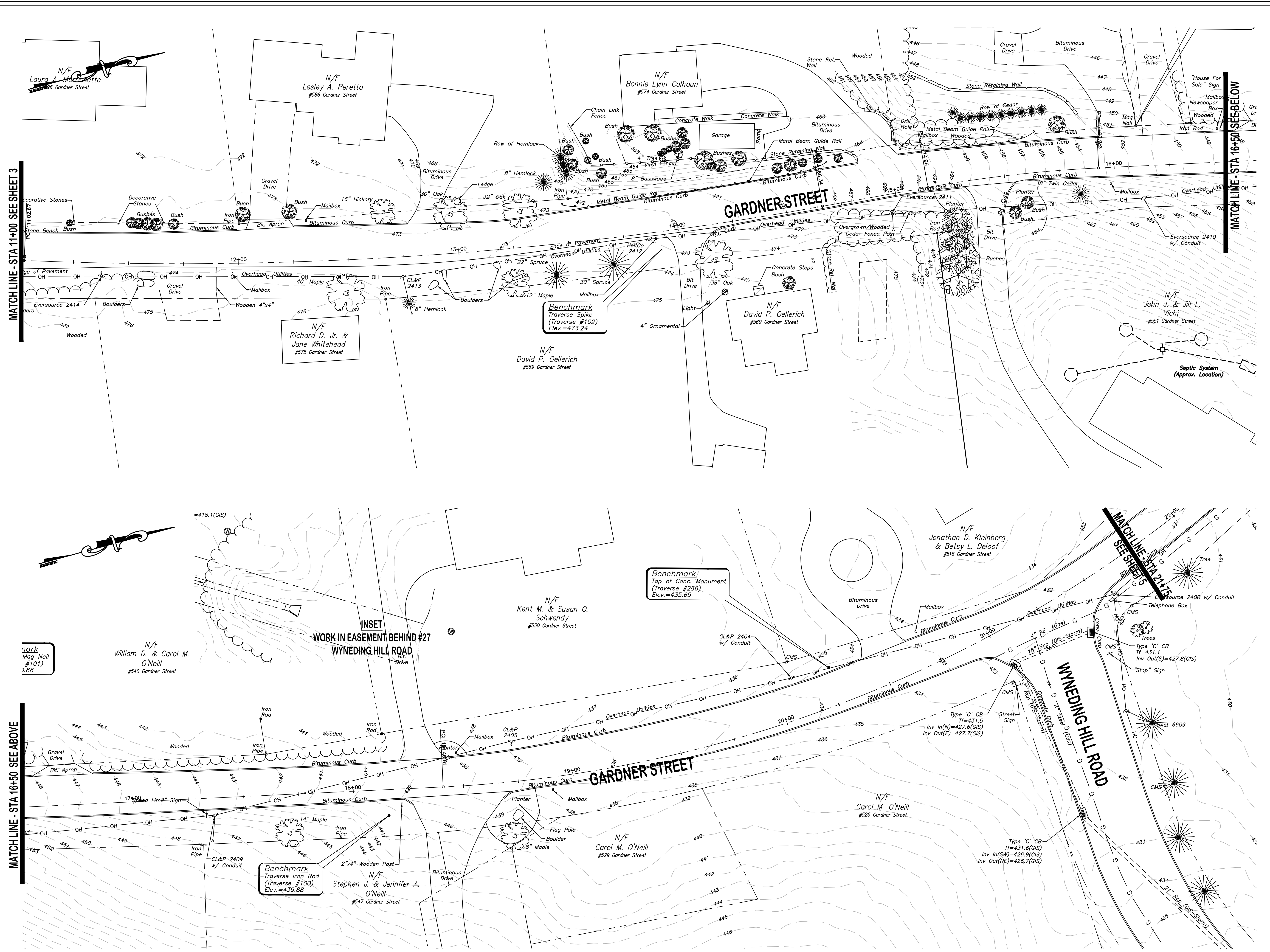
DATUM
 HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
 MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
 RECONSTRUCTION
 (FERN ST TO LINE ST)**

SHEET TITLE
**EXISTING
 CONDITIONS PLAN**

SHEET NUMBER
4 of 27





TOWN OF MANCHESTER CONNECTICUT SEAL

TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- METLAND BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊙ CONIFEROUS TREE
--- STONE WALL	⊙ DEODOROUS TREE
--- STOCKADE FENCE	⊙ SANITARY MANHOLE
--- WIRE FENCE	⊙ DRAINAGE MANHOLE
--- CHAIN LINK FENCE	⊙ CATCH BASIN
--- PROPERTY LINE	⊙ CULVERT END
--- RAILROAD TRACKS	⊙ HYDRANT
--- SILT FENCE	⊙ CURB STOP
⊙ CONCRETE MONUMENT	⊙ WATER VALVE
⊙ GRANITE MONUMENT	⊙ BUTTERFLY VALVE
⊙ IRON PIPE	⊙ BLOW OFF
⊙ IRON ROD	⊙ SIGN
⊙ CONTROL POINT	⊙ DOUBLE POST SIGN
⊙ DRILL HOLE	⊙ MAIL BOX
⊙ UTILITY POLE	⊙ ROLLARD
⊙ UTILITY POLE WITH LIGHT	⊙ CONTROLLER CABINET
⊙ TRAFFIC SPAN POLE	⊙ GAS GATE
⊙ ELECTRIC BOX	⊙ TELEPHONE BOX
⊙ METLAND FLAG	⊙ CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
02/01/22	FINAL DESIGN	
05/23/22	ADDENDUM NO. 1	

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
GRAPHIC SCALE

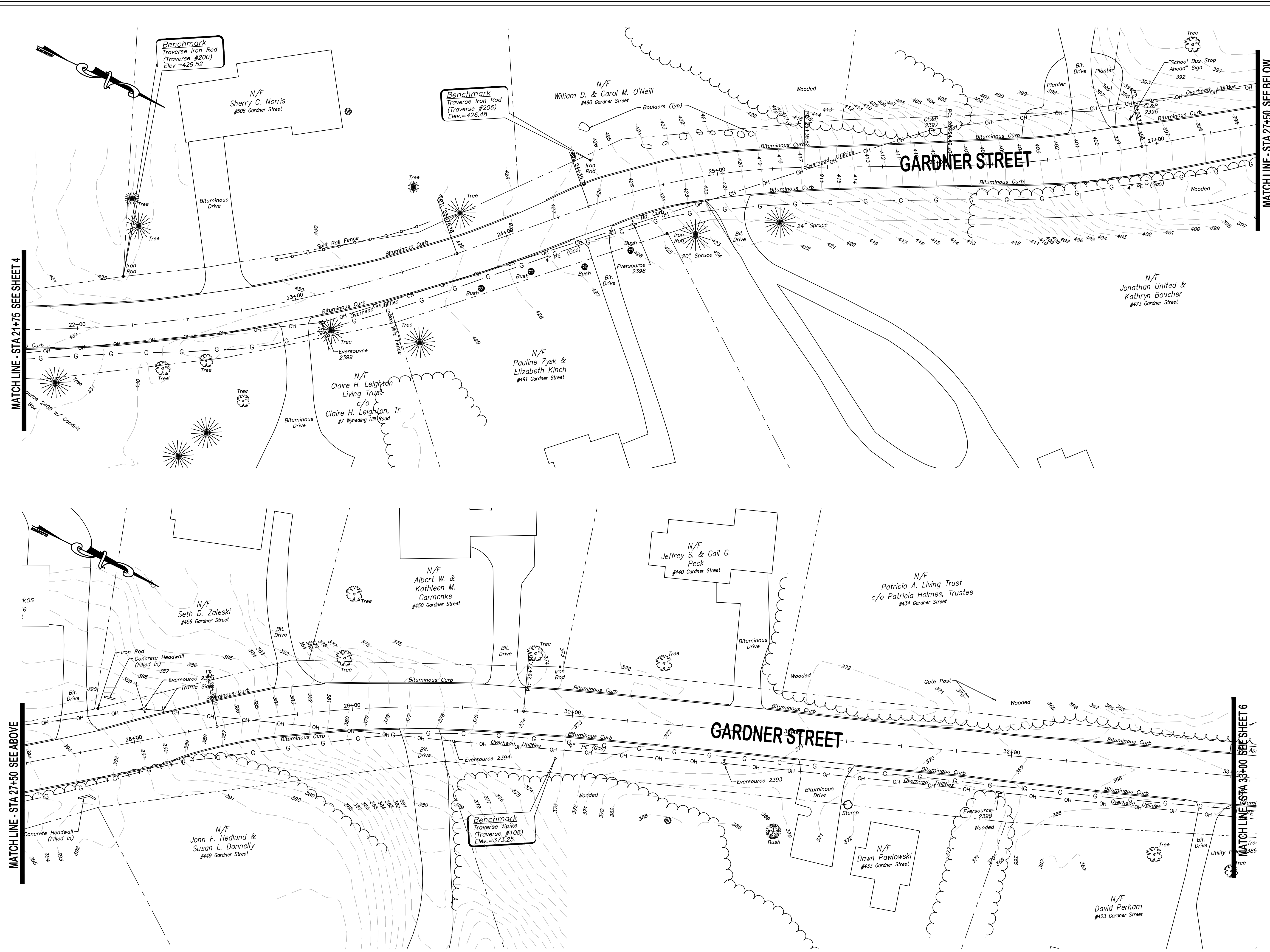
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**EXISTING
CONDITIONS PLAN**

SHEET NUMBER
5 of 27





TOWN OF MANCHESTER
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 494 MAIN STREET - P.O. BOX 191
 MANCHESTER, CT 06045-0191

LEGEND

--- METLAND BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- GUEE WALL	⊗ DEODIOUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊗ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊗ GRANITE MONUMENT	⊗ BLOW OFF
⊗ IRON PIPE	⊗ SIGN
⊗ IRON ROD	⊗ DOUBLE POST SIGN
⊗ CONTROL POINT	⊗ MAIL BOX
⊗ DRILL HOLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊗ ELECTRIC BOX	⊗ CATV TUBE
⊗ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
02/01/22	FINAL DESIGN	
05/23/22	ADDENDUM NO. 1	

DRAWN BY: JED
 CHECKED BY: JL
 RELEASED BY: JL

DRAWING SCALE
 HORIZONTAL: 1" = 20' VERTICAL: ---
 OR AS NOTED
 20 10 0 20
 GRAPHIC SCALE

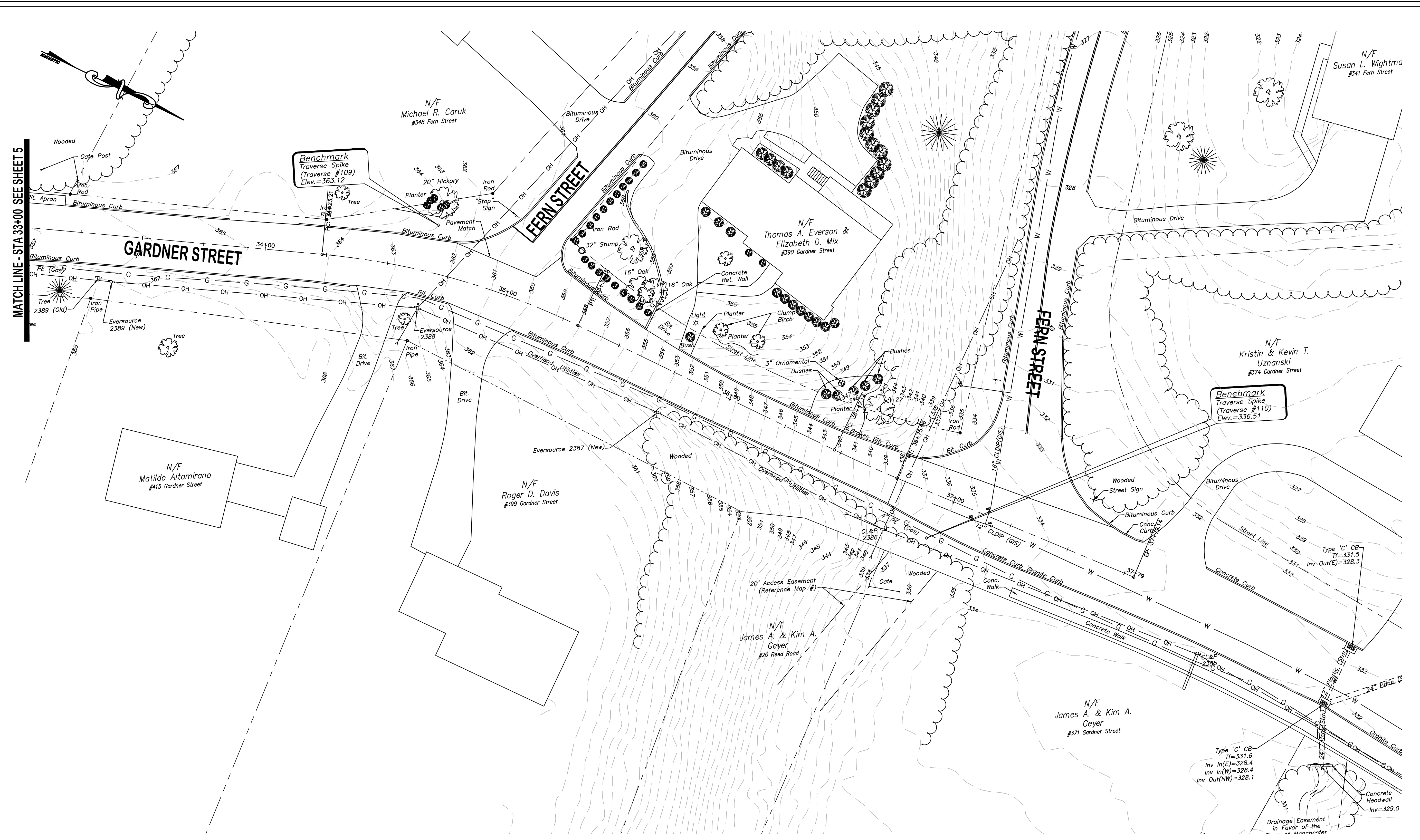
DATUM
 HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
 MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
 RECONSTRUCTION
 (FERN ST TO LINE ST)**

SHEET TITLE
**EXISTING
 CONDITIONS PLAN**

SHEET NUMBER
6 of 27



MATCH LINE - STA 33+00 SEE SHEET 5



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

WETLANDS BOUNDARY	RETAINING WALL	STOCKADE FENCE	WIRE FENCE	CHAIN LINK FENCE	PROPERTY LINE	RAILROAD TRACKS	SILT FENCE	CONCRETE MONUMENT	GRANITE MONUMENT	IRON PIPE	IRON ROD	CONTROL POINT	UTILITY POLE	TRAFFIC SIGNAL POLE	ELECTRIC BOX	WETLAND FLAG	LIGHT POLE	CONDENSING TREE	DECIDUOUS TREE	SANITARY MANHOLE	DRAINAGE MANHOLE	CATCH BASIN	CULVERT END	HYDRANT	CURB STOP	WATER VALVE	BUTTERFLY VALVE	BLOW OFF	SIEN	DOUBLE POST SIGN	MAIL BOX	BOLLARD	CONTROLLER CABINET	GAS GATE	TELEPHONE BOX	CATV TUBE
-------------------	----------------	----------------	------------	------------------	---------------	-----------------	------------	-------------------	------------------	-----------	----------	---------------	--------------	---------------------	--------------	--------------	------------	-----------------	----------------	------------------	------------------	-------------	-------------	---------	-----------	-------------	-----------------	----------	------	------------------	----------	---------	--------------------	----------	---------------	-----------

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

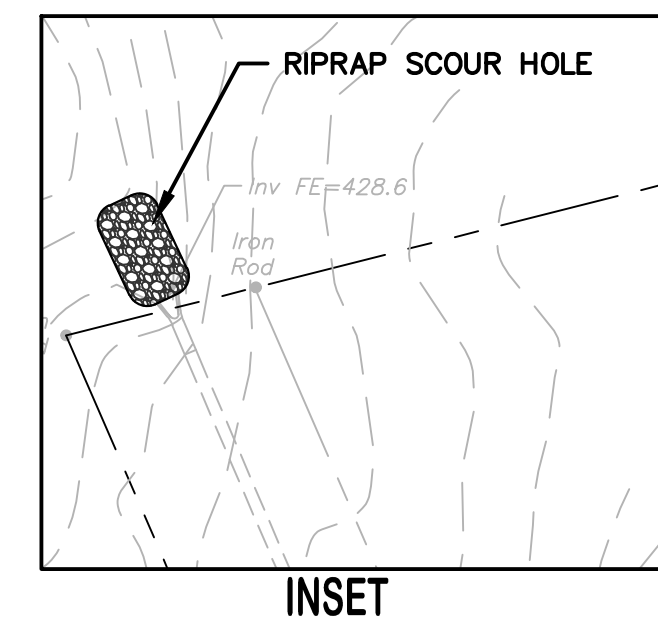
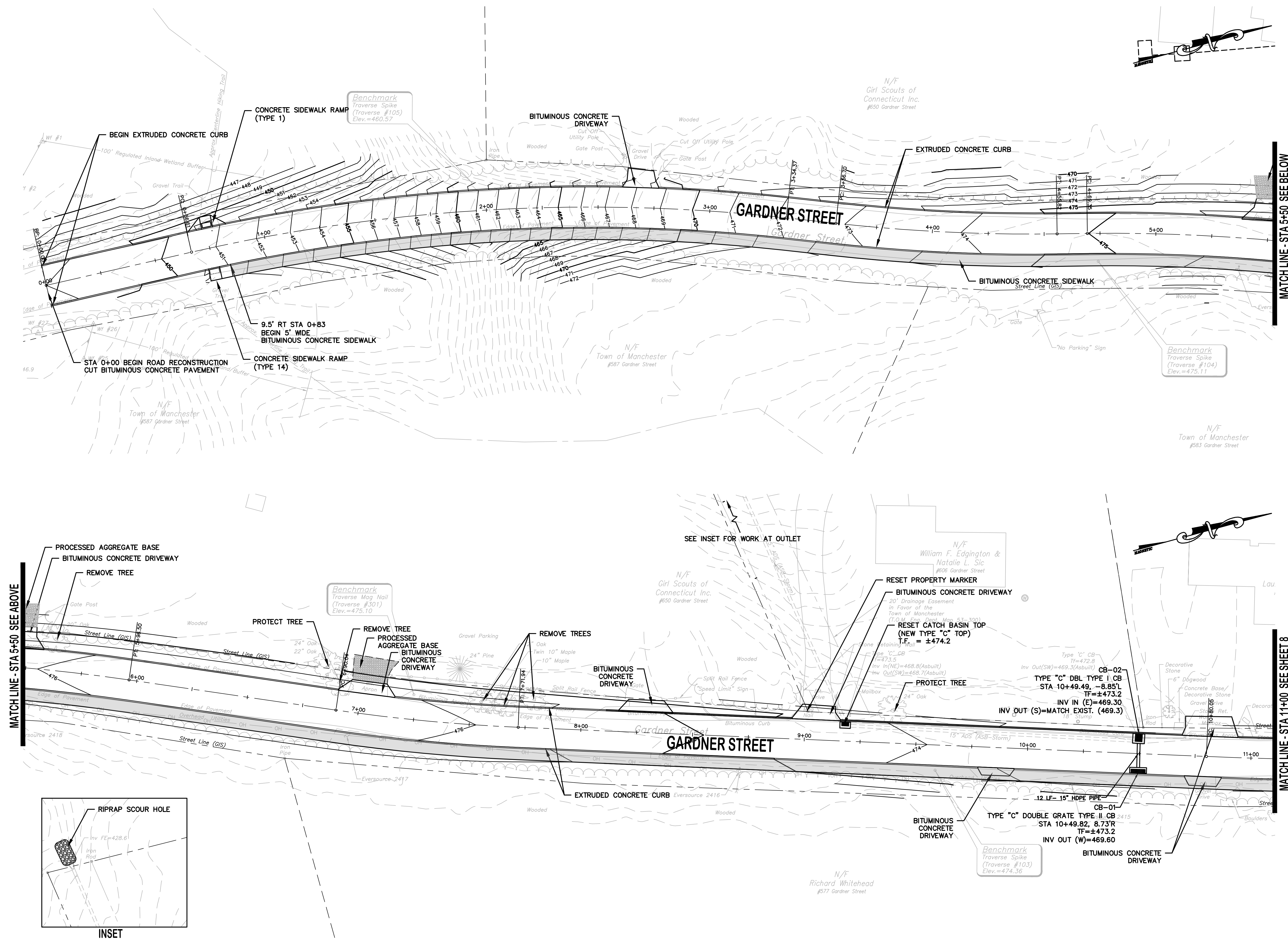
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PLAN

SHEET NUMBER
7 of 27



INSET

MATCH LINE - STA 5+50 SEE BELOW

MATCH LINE - STA 11+00 SEE SHEET 8

MATCH LINE - STA 5+50 SEE ABOVE

SEE INSET FOR WORK AT OUTLET



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

WETLANDS BOUNDARY	LIGHT POLE
RETAINING WALL	CONIFEROUS TREE
GUIDE RAIL	DECIDUOUS TREE
STONE WALL	SANITARY MANHOLE
STORAGE FENCE	DRAINAGE MANHOLE
WIRE FENCE	CATCH BASIN
CHAIN LINK FENCE	CULVERT END
PROPERTY LINE	HYDRANT
RAILROAD TRACKS	CURB STOP
SILT FENCE	WATER VALVE
CONCRETE MONUMENT	BUTTERFLY VALVE
GRANITE MONUMENT	BLOW OFF
IRON PIPE	IRON ROD
CONTROL POINT	DOUBLE POST SIGN
DRILL HOLE	MAIL BOX
UTILITY POLE	BOLLARD
UTILITY POLE WITH LIGHT	CONTROLLER CABINET
TRAFFIC SPAN POLE	GAS GATE
ELECTRIC BOX	TELEPHONE BOX
WETLAND FLAG	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

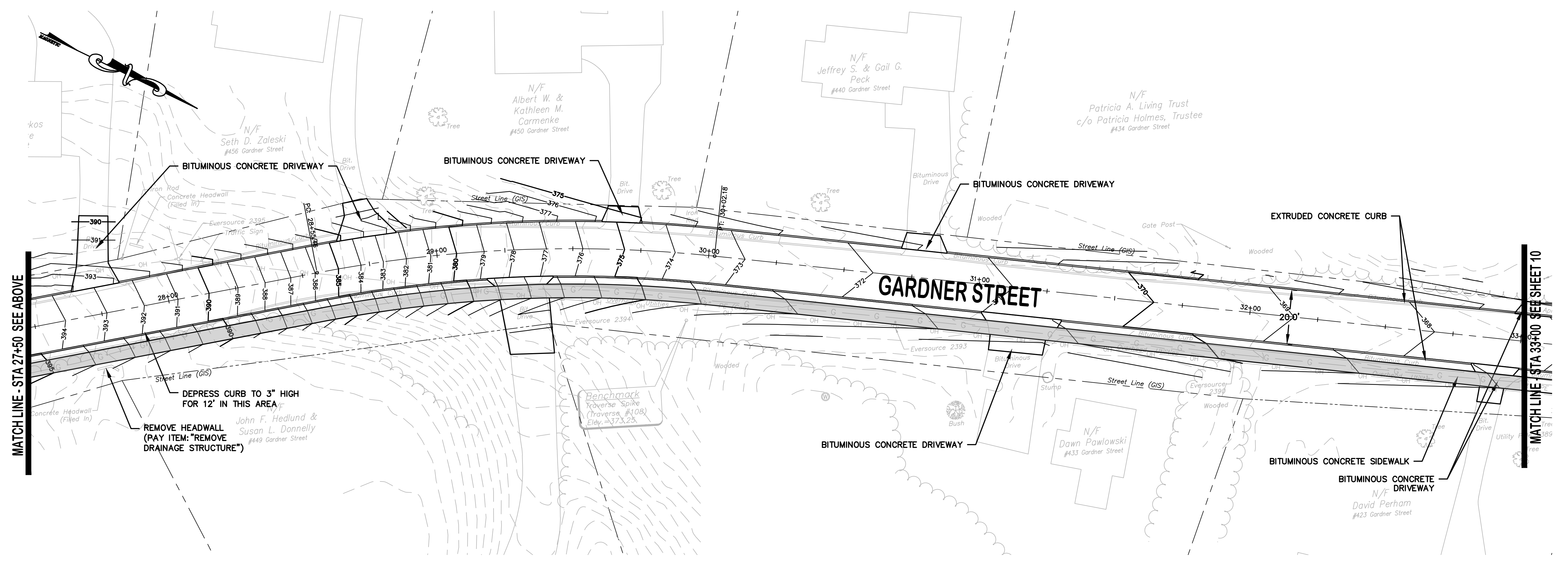
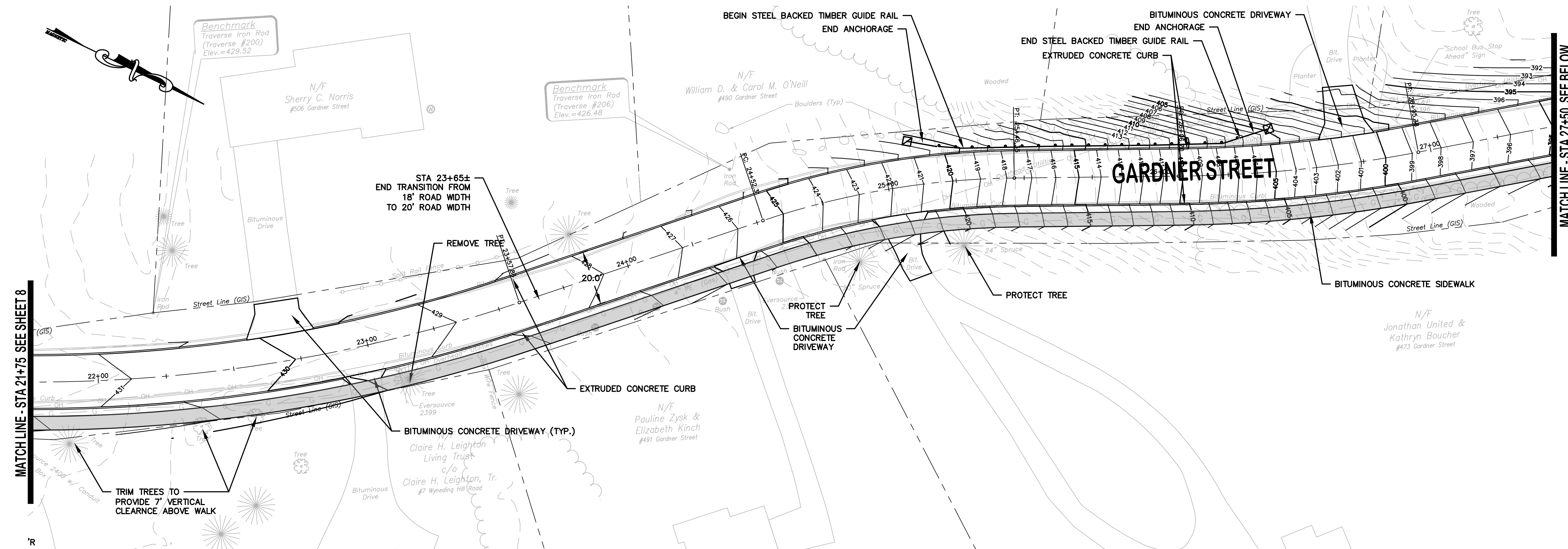
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PLAN

SHEET NUMBER
9 of 27



MATCH LINE - STA 21+75 SEE SHEET 8

MATCH LINE - STA 27+50 SEE BELOW

MATCH LINE - STA 27+50 SEE ABOVE

MATCH LINE STA 33+00 SEE SHEET 10



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLANDS BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊙	CONIFEROUS TREE
—	GUIDE RAIL	⊙	DECIDUOUS TREE
—	STONE WALL	⊙	SANITARY MANHOLE
—	STOCKADE FENCE	⊙	DRAINAGE MANHOLE
—	WIRE FENCE	⊙	CATCH BASIN
—	CHAIN LINK FENCE	⊙	CULVERT END
—	PROPERTY LINE	⊙	HYDRANT
—	RAILROAD TRACKS	⊙	CURB STOP
—	SILT FENCE	⊙	WATER VALVE
—	CONCRETE MONUMENT	⊙	BUTTERFLY VALVE
—	GRANITE MONUMENT	⊙	BLOW OFF
—	IRON PIPE	⊙	SIGN
—	IRON ROD	⊙	DOUBLE POST SIGN
—	CONTROL POINT	⊙	MAIL BOX
—	DRILL HOLE	⊙	BOLLARD
—	UTILITY POLE	⊙	CONTROLLER CABINET
—	UTILITY POLE WITH LIGHT	⊙	GAS GATE
—	TRAFFIC SPAN POLE	⊙	TELEPHONE BOX
—	ELECTRIC BOX	⊙	CATV TUBE
—	WETLAND FLAG		

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20'
VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

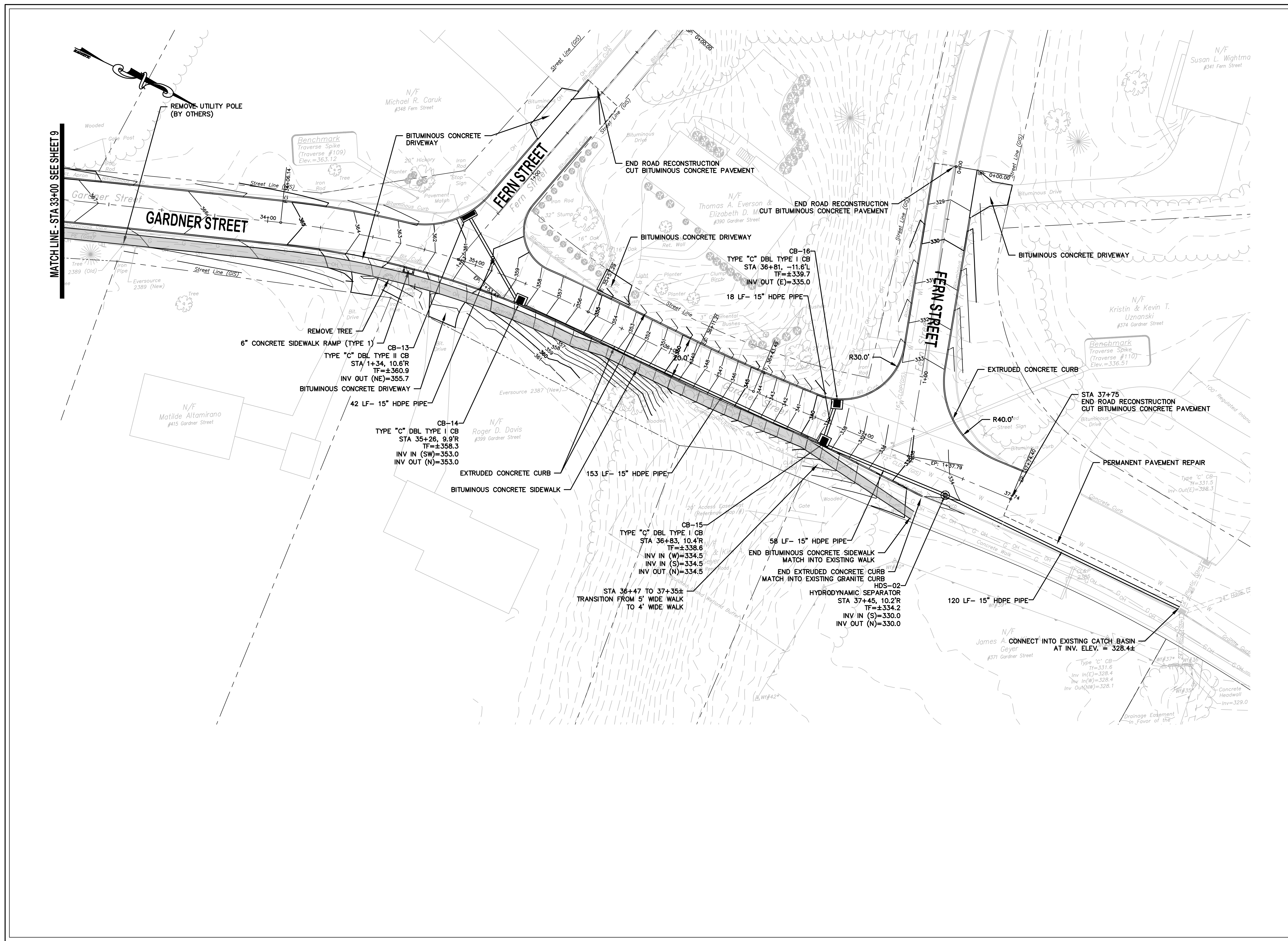
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PLAN

SHEET NUMBER
10 of 27



MATCH LINE - STA 33+00 SEE SHEET 9



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

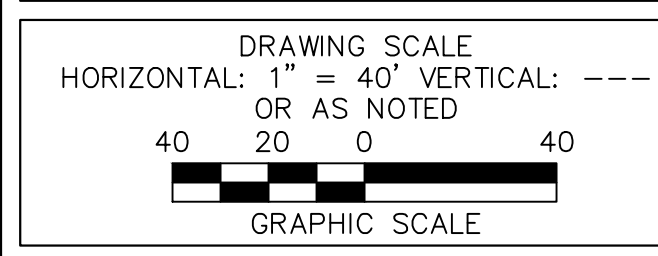
- - -	= WETLANDS BOUNDARY	☆	= LIGHT POLE
- - -	= RETAINING WALL	⊗	= CONIFEROUS TREE
- - -	= GUIDE RAIL	⊙	= DECIDUOUS TREE
○	= STONE WALL	⊕	= SANITARY MANHOLE
○	= STOCKADE FENCE	⊕	= DRAINAGE MANHOLE
—	= WIRE FENCE	⊕	= CATCH BASIN
—	= CHAIN LINK FENCE	⊕	= CULVERT END
- - -	= PROPERTY LINE	⊕	= HYDRANT
—	= RAILROAD TRACKS	⊕	= CURB STOP
- - -	= SILT FENCE	⊕	= WATER VALVE
□	= CONCRETE MONUMENT	⊕	= BUTTERFLY VALVE
■	= GRANITE MONUMENT	⊕	= BLOW OFF
○	= IRON PIPE	⊕	= SIGN
●	= IRON ROD	⊕	= DOUBLE POST SIGN
△	= CONTROL POINT	⊕	= MAIL BOX
⊕	= DRILL POLE	⊕	= BOLLARD
⊕	= UTILITY POLE	⊕	= CONTROLLER CABINET
⊕	= UTILITY POLE WITH LIGHT	⊕	= GAS GATE
⊕	= TRAFFIC SPAN POLE	⊕	= TELEPHONE BOX
⊕	= ELECTRIC BOX	⊕	= CATV TUBE
⊕	= WETLAND FLAG		

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



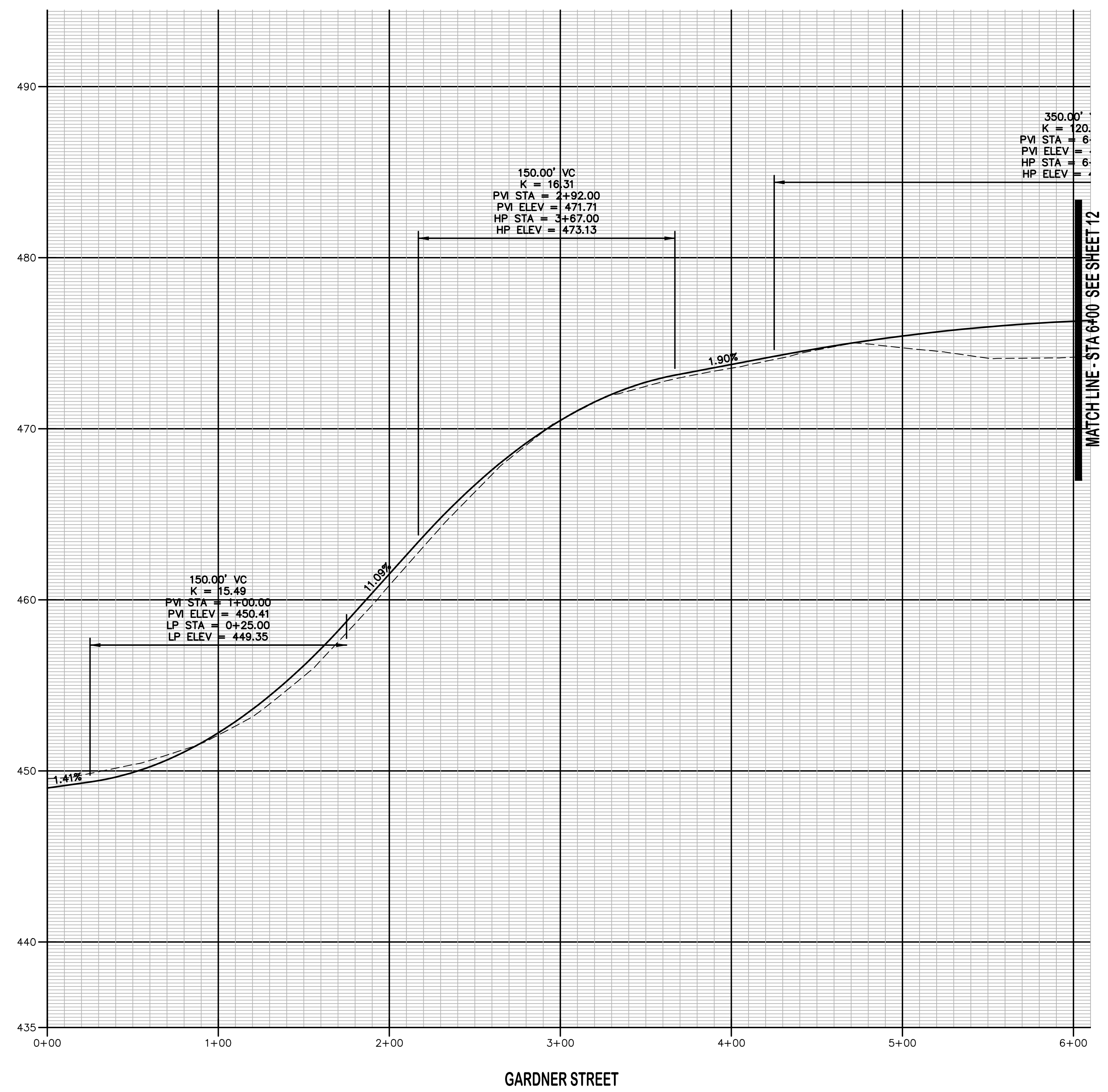
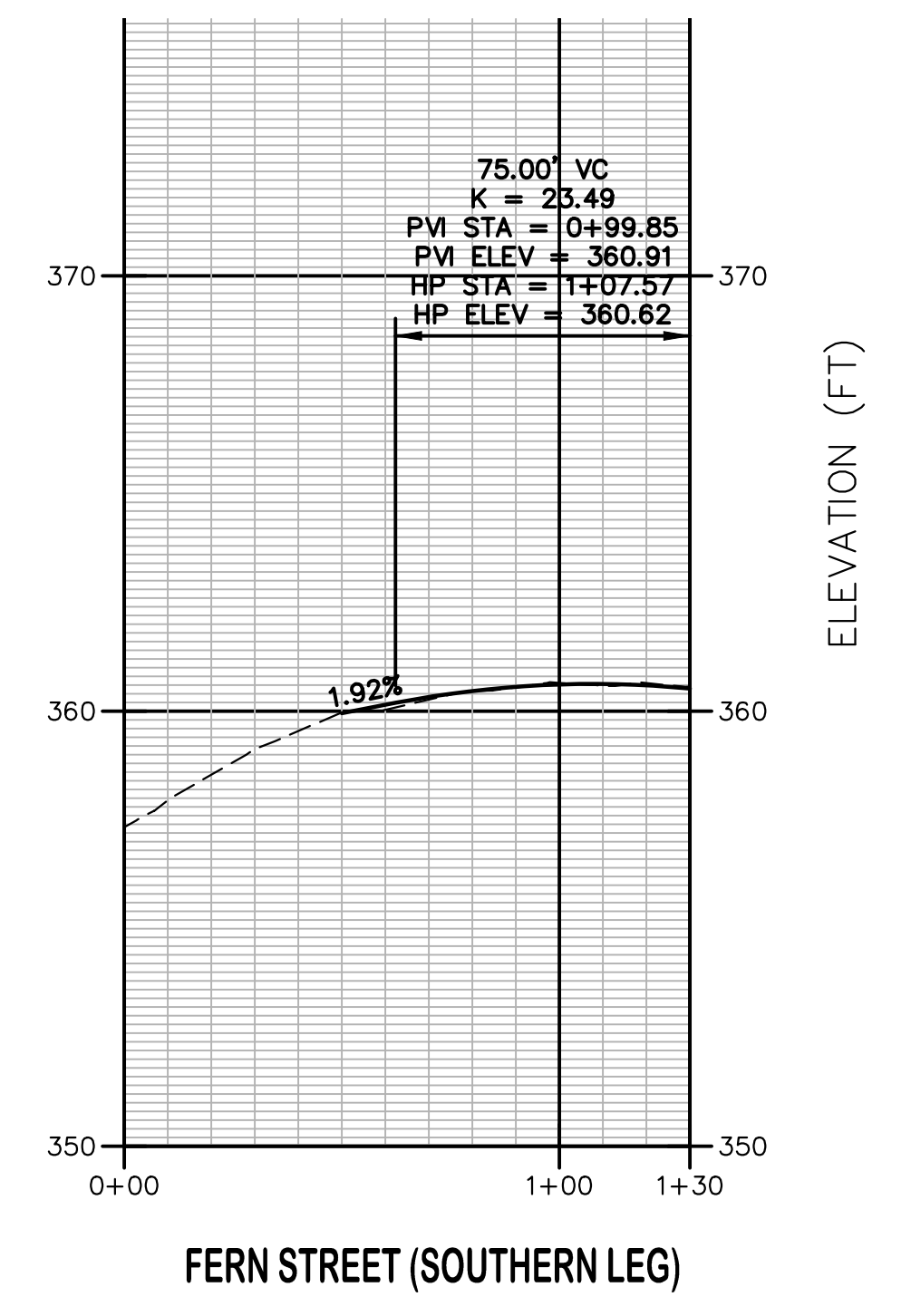
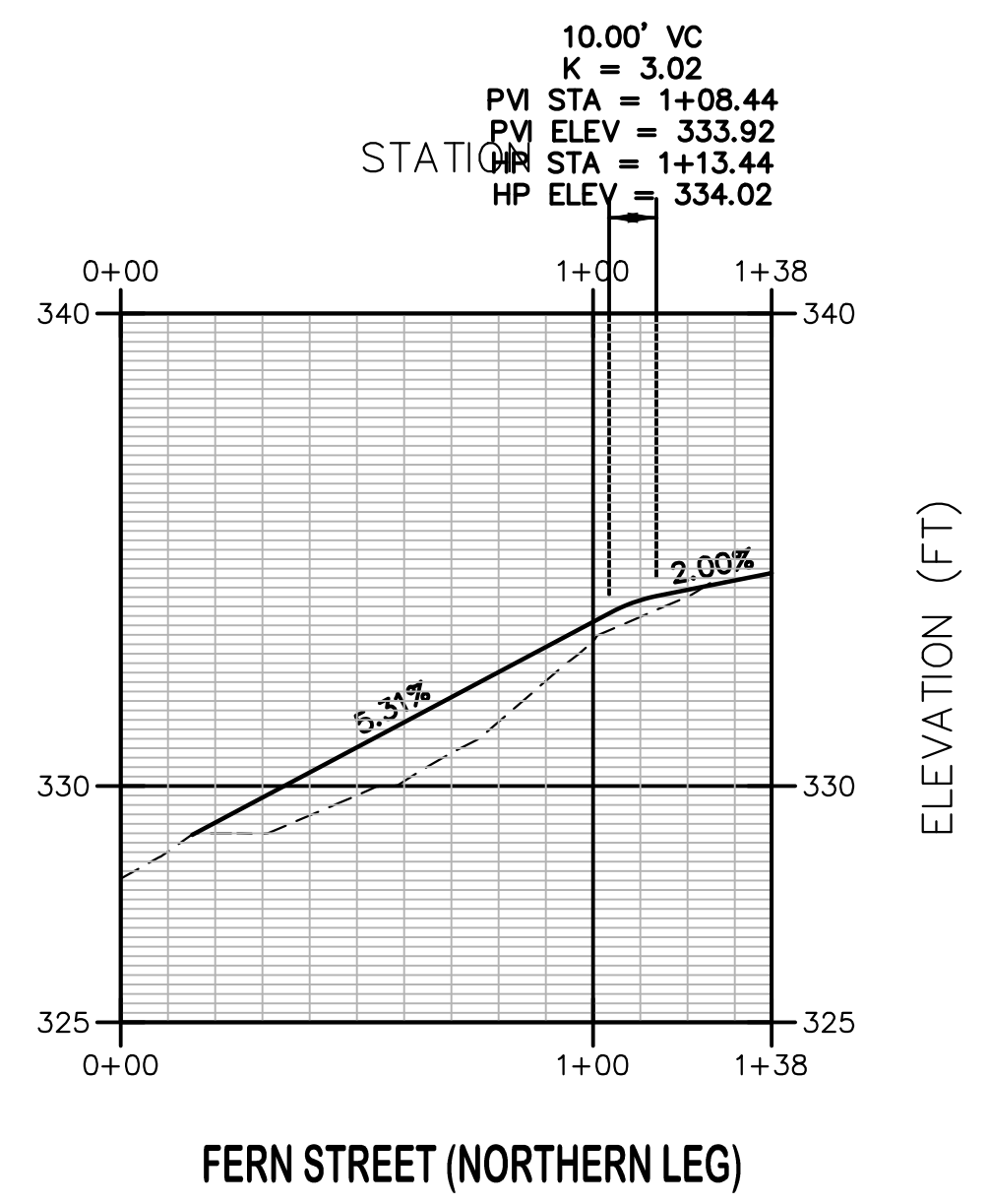
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

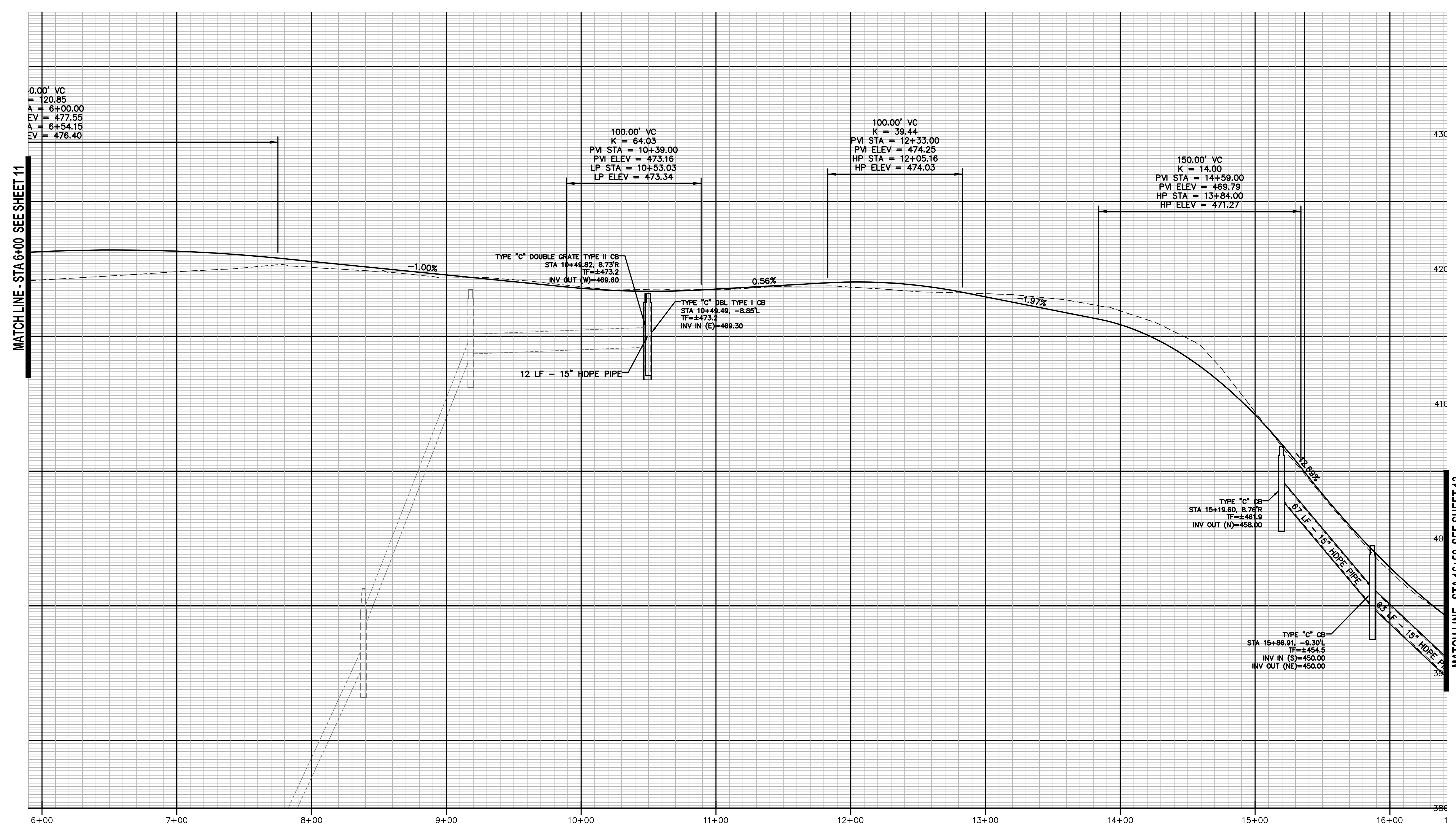
SHEET TITLE
PROFILE

SHEET NUMBER
11 of 27





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191



MATCH LINE - STA 6+00 SEE SHEET 11

MATCH LINE - STA 16+50 SEE SHEET 13

LEGEND

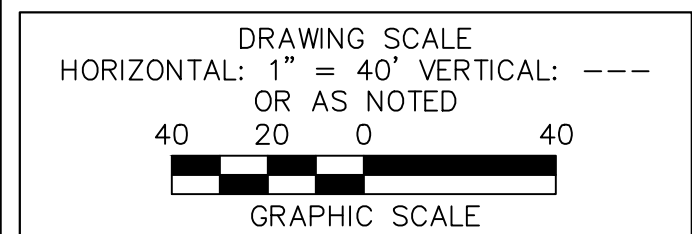
—	WETLANDS BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊙	CONIFEROUS TREE
—	GUIDE RAIL	⊙	DECIDUOUS TREE
—	STONE WALL	⊙	SANITARY MANHOLE
—	STORAGE FENCE	⊙	DRAINAGE MANHOLE
—	WIRE FENCE	⊙	CATCH BASIN
—	CHAIN LINK FENCE	⊙	CULVERT END
—	PROPERTY LINE	⊙	HYDRANT
—	RAILROAD TRACKS	⊙	CURB STOP
—	SILT FENCE	⊙	WATER VALVE
—	CONCRETE MONUMENT	⊙	BUTTERFLY VALVE
—	GRANITE MONUMENT	⊙	BLOW OFF
—	IRON PIPE	⊙	IRON ROD
—	IRON ROD	⊙	CONTROL POINT
—	CONTROL POINT	⊙	DRILL HOLE
—	DRILL HOLE	⊙	UTILITY POLE
—	UTILITY POLE	⊙	UTILITY POLE WITH LIGHT
—	UTILITY POLE WITH LIGHT	⊙	TRAFFIC SPAN POLE
—	TRAFFIC SPAN POLE	⊙	ELECTRIC BOX
—	ELECTRIC BOX	⊙	WETLAND FLAG
—	WETLAND FLAG	⊙	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

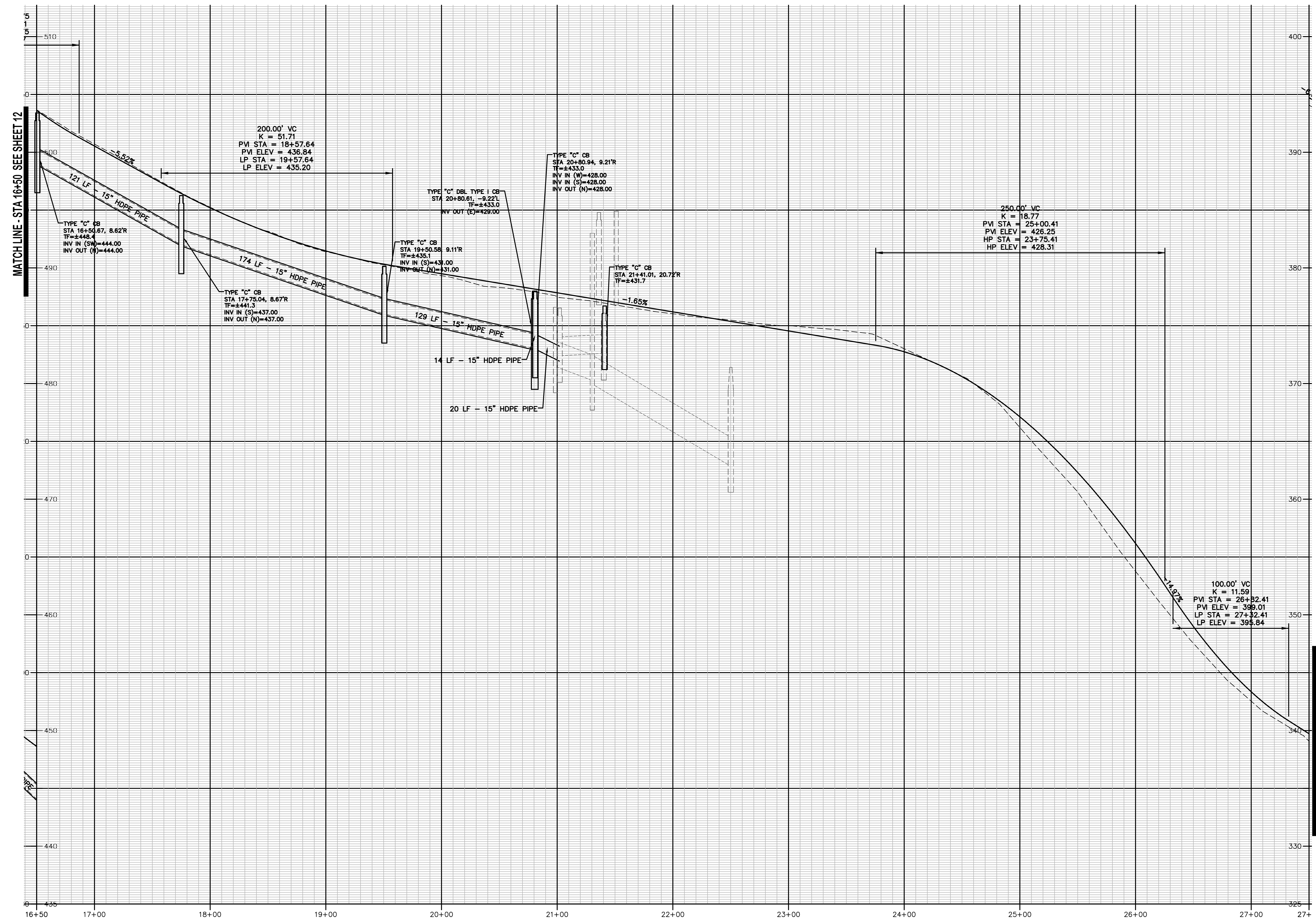
PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PROFILE

SHEET NUMBER
12 of 27



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191



MATCH LINE - STA 16+50 SEE SHEET 12

MATCH LINE - STA 27+50 SEE SHEET 14

LEGEND

	WETLANDS BOUNDARY		LIGHT POLE
	RETAINING WALL		CONIFEROUS TREE
	GUIDE RAIL		DECIDUOUS TREE
	STONE WALL		SANITARY MANHOLE
	STORAGE FENCE		DRAINAGE MANHOLE
	WIRE FENCE		CATCH BASIN
	CHAIN LINK FENCE		CULVERT END
	PROPERTY LINE		HYDRANT
	RAILROAD TRACKS		CURB STOP
	SILT FENCE		WATER VALVE
	CONCRETE MONUMENT		BLOW OFF
	GRANITE MONUMENT		BUTTERFLY VALVE
	IRON PIPE		SIGN
	IRON ROD		DOUBLE POST SIGN
	CONTROL POINT		MAIL BOX
	DRILL HOLE		BOLLARD
	UTILITY POLE		CONTROLLER CABINET
	UTILITY POLE WITH LIGHT		GAS GATE
	TRAFFIC SPAN POLE		TELEPHONE BOX
	ELECTRIC BOX		CATV TUBE
	WETLAND FLAG		

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 40' VERTICAL: ---
OR AS NOTED

GRAPHIC SCALE

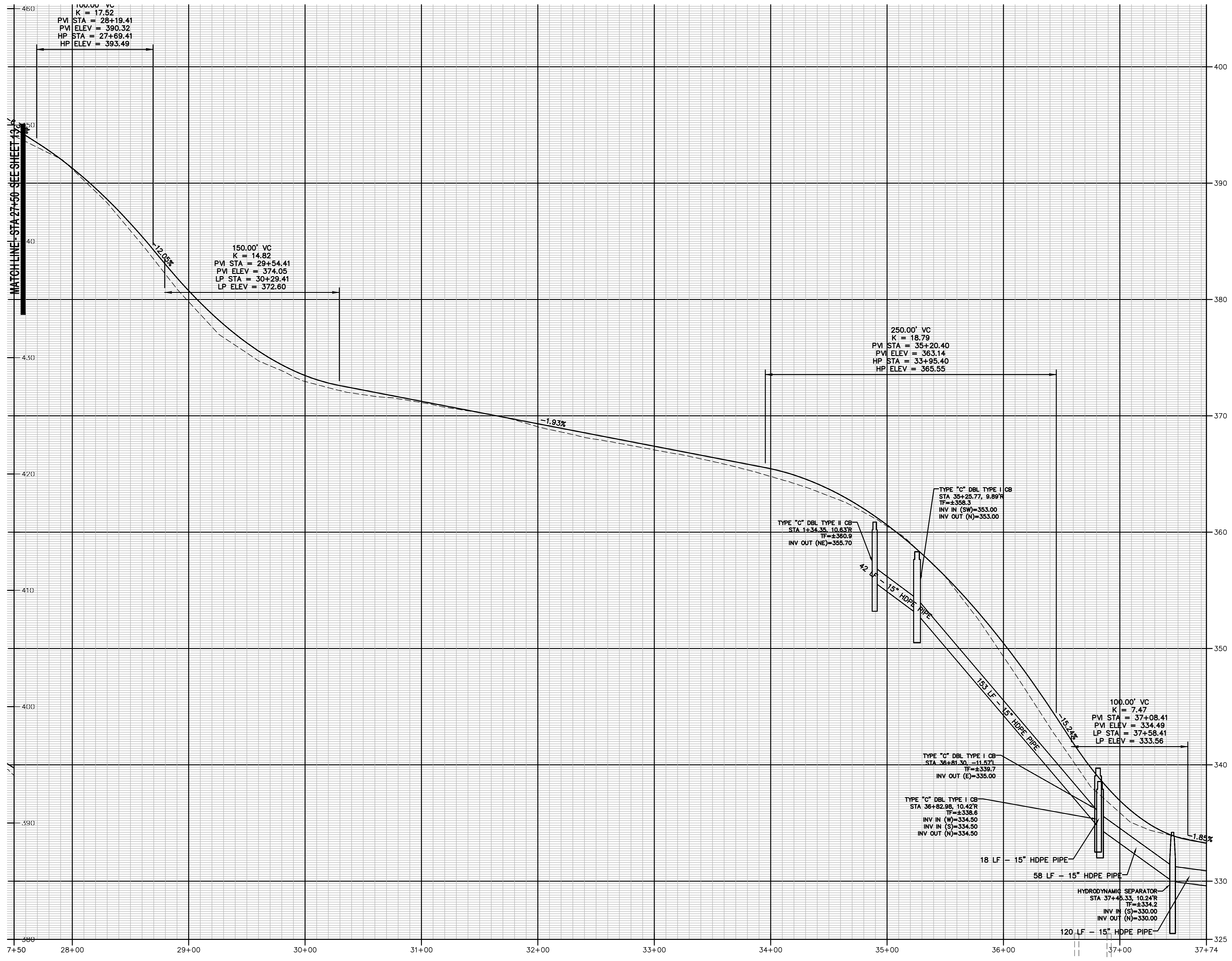
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PROFILE

SHEET NUMBER
13 of 27



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

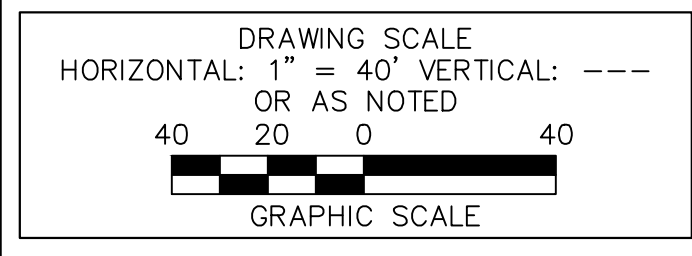
WETLANDS BOUNDARY	LIGHT POLE
RETAINING WALL	CONIFEROUS TREE
GUIDE RAIL	DECIDUOUS TREE
STONE WALL	SANITARY MANHOLE
STORAGE FENCE	DRAINAGE MANHOLE
WIRE FENCE	CATCH BASIN
CHAIN LINK FENCE	CULVERT
PROPERTY LINE	CULVERT END
RAILROAD TRACKS	HYDRANT
SILT FENCE	CURB STOP
CONCRETE MONUMENT	WATER VALVE
GRANITE MONUMENT	BUTTERFLY VALVE
IRON PIPE	BLOW OFF
IRON ROD	BLIND
CONTROL POINT	DOUBLE POST SIGN
DRILL HOLE	MAIL BOX
UTILITY POLE	BOLLARD
UTILITY POLE WITH LIGHT	CONTROLLER CABINET
TRAFFIC SPAN POLE	GAS GATE
ELECTRIC BOX	TELEPHONE BOX
WETLAND FLAG	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

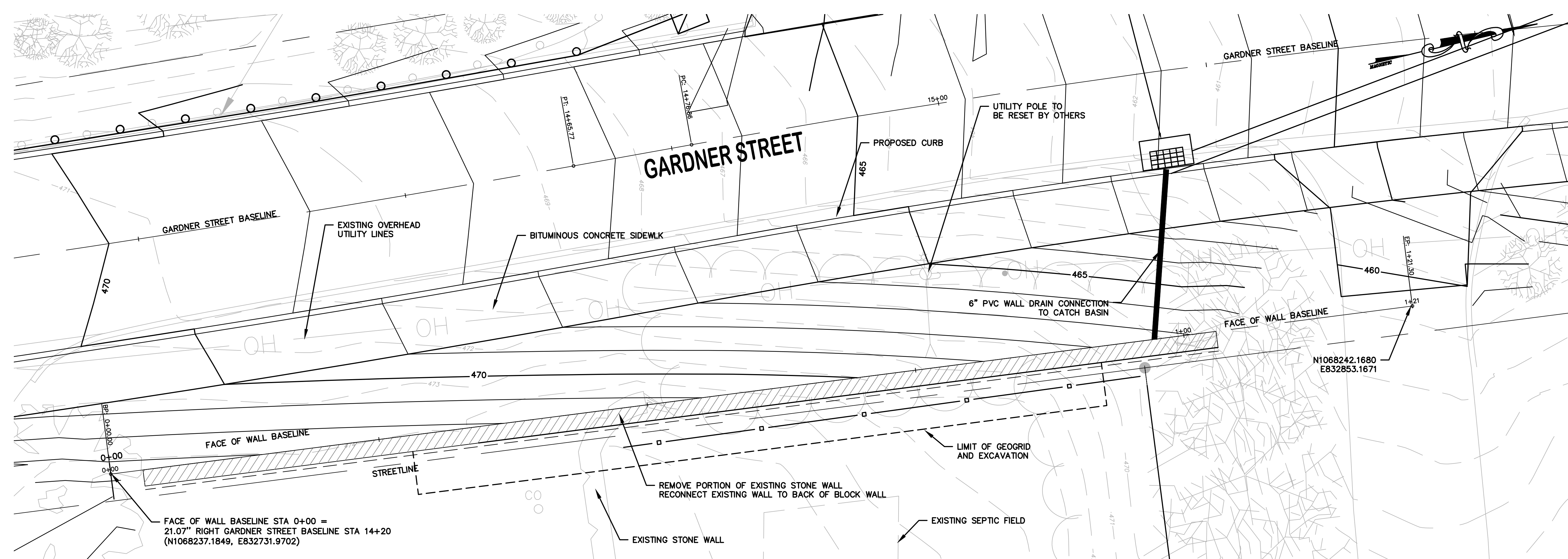
PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
PROFILE

SHEET NUMBER
14 of 27

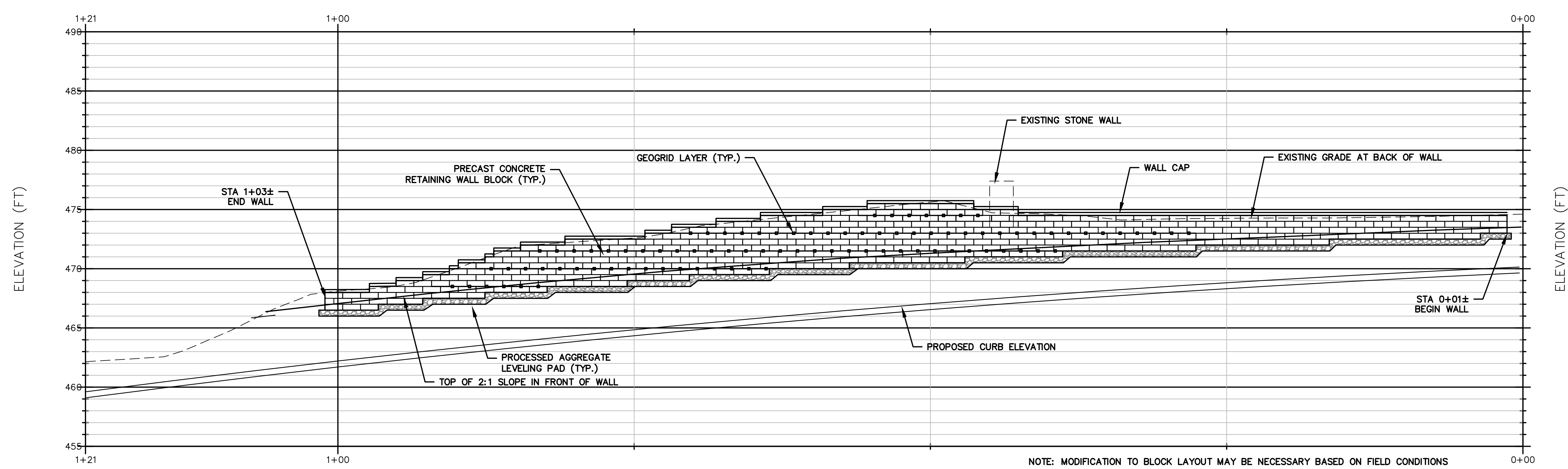


TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191



PLAN
SCALE: 1" = 5'

STATION



PROFILE
SCALE: 1" = 5'

NOTE: MODIFICATION TO BLOCK LAYOUT MAY BE NECESSARY BASED ON FIELD CONDITIONS

LEGEND

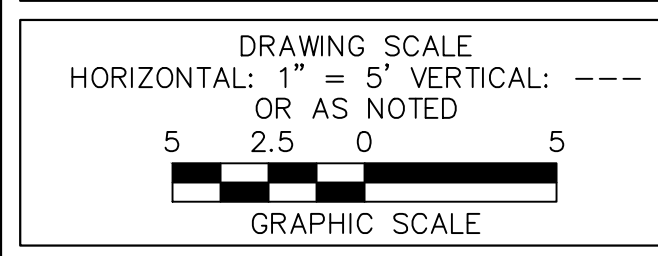
— WETLANDS BOUNDARY	☆ LIGHT POLE
— RETAINING WALL	⊗ CONIFEROUS TREE
— GUIDE RAIL	⊙ DECIDUOUS TREE
— STONE WALL	⊙ SANITARY MANHOLE
— STOCKADE FENCE	⊙ DRAINAGE MANHOLE
— WIRE FENCE	⊙ CATCH BASIN
— CHAIN LINK FENCE	⊙ CULVERT END
— PROPERTY LINE	⊙ HYDRANT
— RAILROAD TRACKS	⊙ CURB STOP
— SILT FENCE	⊙ WATER VALVE
□ CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
■ GRANITE MONUMENT	⊙ BLOW OFF
○ IRON PIPE	⊙ SIGN
● IRON ROD	⊙ DOUBLE POST SIGN
△ CONTROL POINT	⊙ MAIL BOX
⊙ DRILL POLE	⊙ BOLLARD
⊙ UTILITY POLE	⊙ CONTROLLER CABINET
⊙ UTILITY POLE WITH LIGHT	⊙ GAS GATE
⊙ TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
⊙ ELECTRIC BOX	⊙ CATV TUBE
△ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**RETAINING WALL
PLAN AND PROFILE**

SHEET NUMBER
15 of 27



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

WETLAND BOUNDARY	RETAINING WALL	STONE WALL	STOCKADE FENCE	WIRE FENCE	CHAIN LINK FENCE	PROPERTY LINE	RAILROAD TRACKS	SILT FENCE	CONCRETE MONUMENT	GRANITE MONUMENT	IRON PIPE	IRON ROD	CONTROL POINT	DRILL HOLE	UTILITY POLE	UTILITY POLE WITH LIGHT	TRAFFIC SIGNAL POLE	ELECTRIC BOX	WETLAND FLAG	LIGHT POLE	CONIFEROUS TREE	DECIDUOUS TREE	SANITARY MANHOLE	DRAINAGE MANHOLE	CATCH BASIN	OUTVERT END	HYDRANT	CURB STOP	WATER VALVE	BUTTERFLY VALVE	BLOW OFF	SON	DOUBLE POST SIGN	MAIL BOX	BOLLARD	CONTROLLER CABINET	GAS GATE	TELEPHONE BOX	CATV TUBE
------------------	----------------	------------	----------------	------------	------------------	---------------	-----------------	------------	-------------------	------------------	-----------	----------	---------------	------------	--------------	-------------------------	---------------------	--------------	--------------	------------	-----------------	----------------	------------------	------------------	-------------	-------------	---------	-----------	-------------	-----------------	----------	-----	------------------	----------	---------	--------------------	----------	---------------	-----------

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-MARKINGS.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

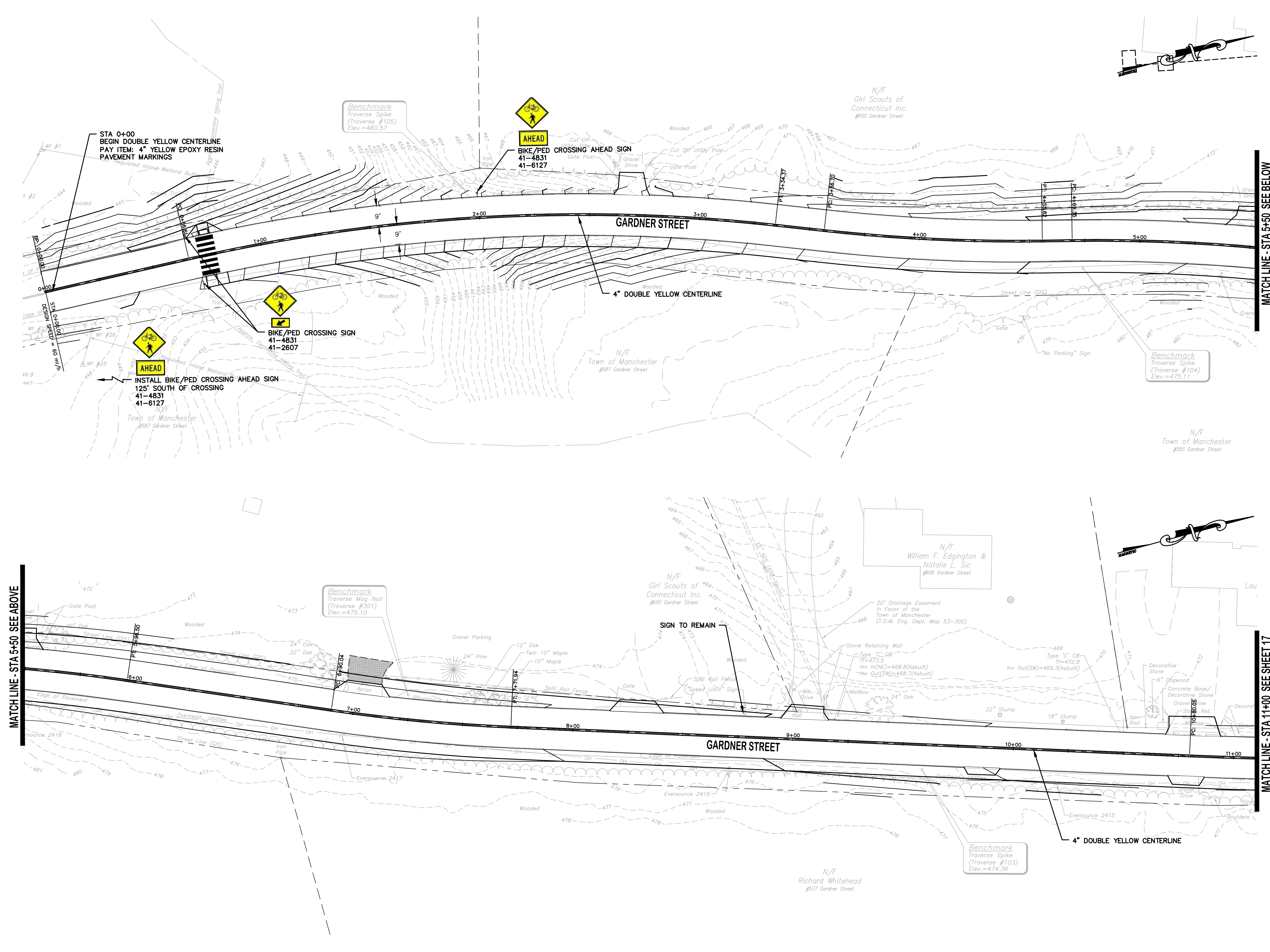
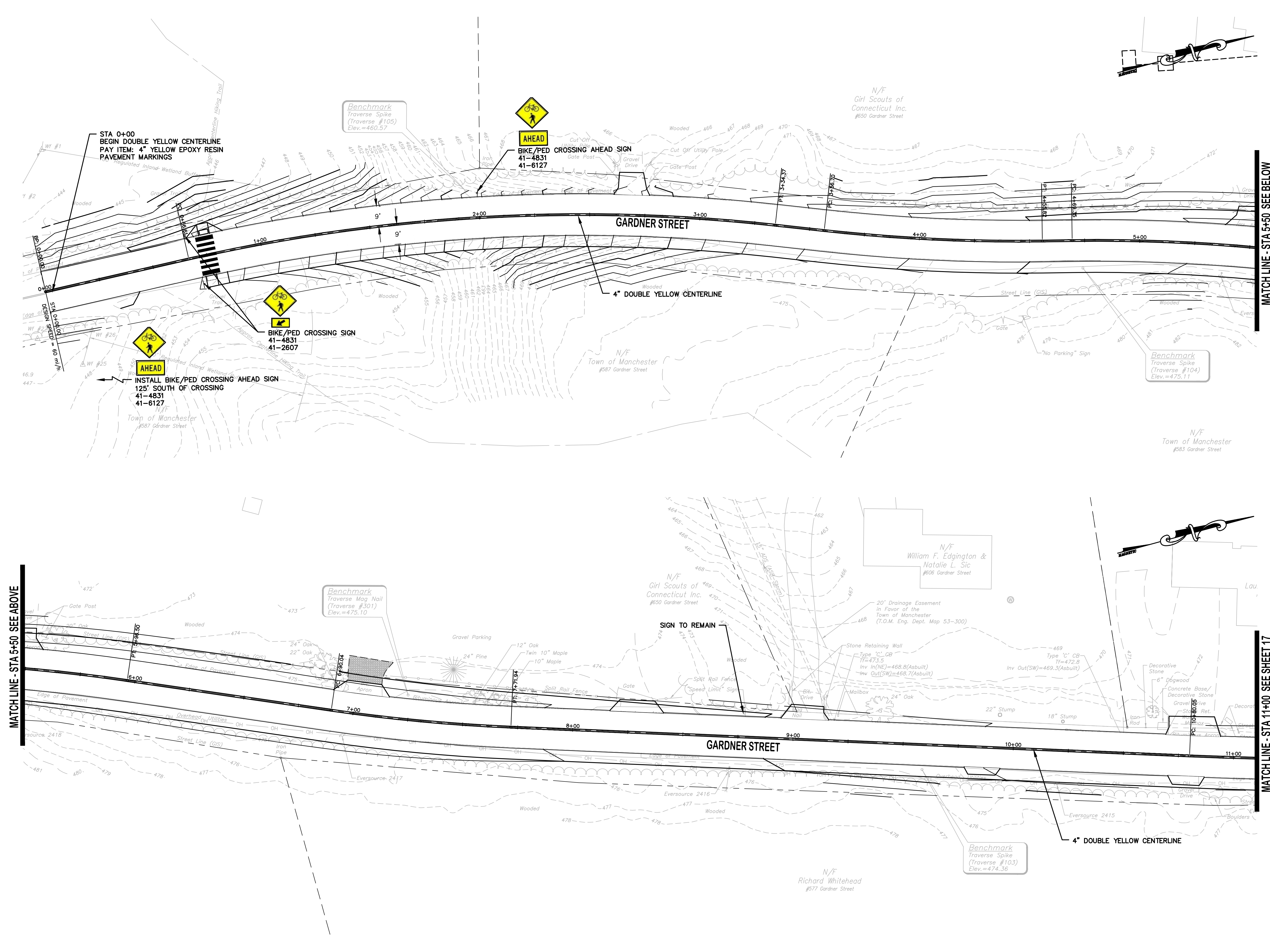
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**PAVEMENT MARKINGS
AND SIGNING PLAN**

SHEET NUMBER
16 of 27





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

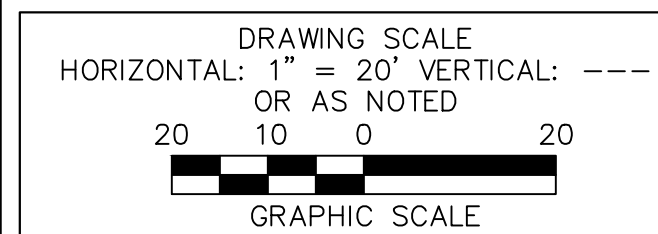
— WETLANDS BOUNDARY	☆ LIGHT POLE
— RETAINING WALL	⊙ CONIFEROUS TREE
— GUIDE RAIL	⊙ DECIDUOUS TREE
— STONE WALL	⊙ SANITARY MANHOLE
— STORAGE FENCE	⊙ GRANITE MANHOLE
— WIRE FENCE	⊙ CATCH BASIN
— CHAIN LINK FENCE	⊙ CULVERT END
— PROPERTY LINE	⊙ HYDRANT
— RAILROAD TRACKS	⊙ CURB STOP
— SILT FENCE	⊙ WATER VALVE
— CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
— GRANITE MONUMENT	⊙ BLOW OFF
— IRON PIPE	⊙ SIGN
— IRON ROD	⊙ DOUBLE POST SIGN
— CONTROL POINT	⊙ MAIL BOX
— DRILL HOLE	⊙ BOLLARD
— UTILITY POLE	⊙ CONTROLLER CABINET
— UTILITY POLE WITH LIGHT	⊙ GAS GATE
— TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
— ELECTRIC BOX	⊙ CATV TUBE
— WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



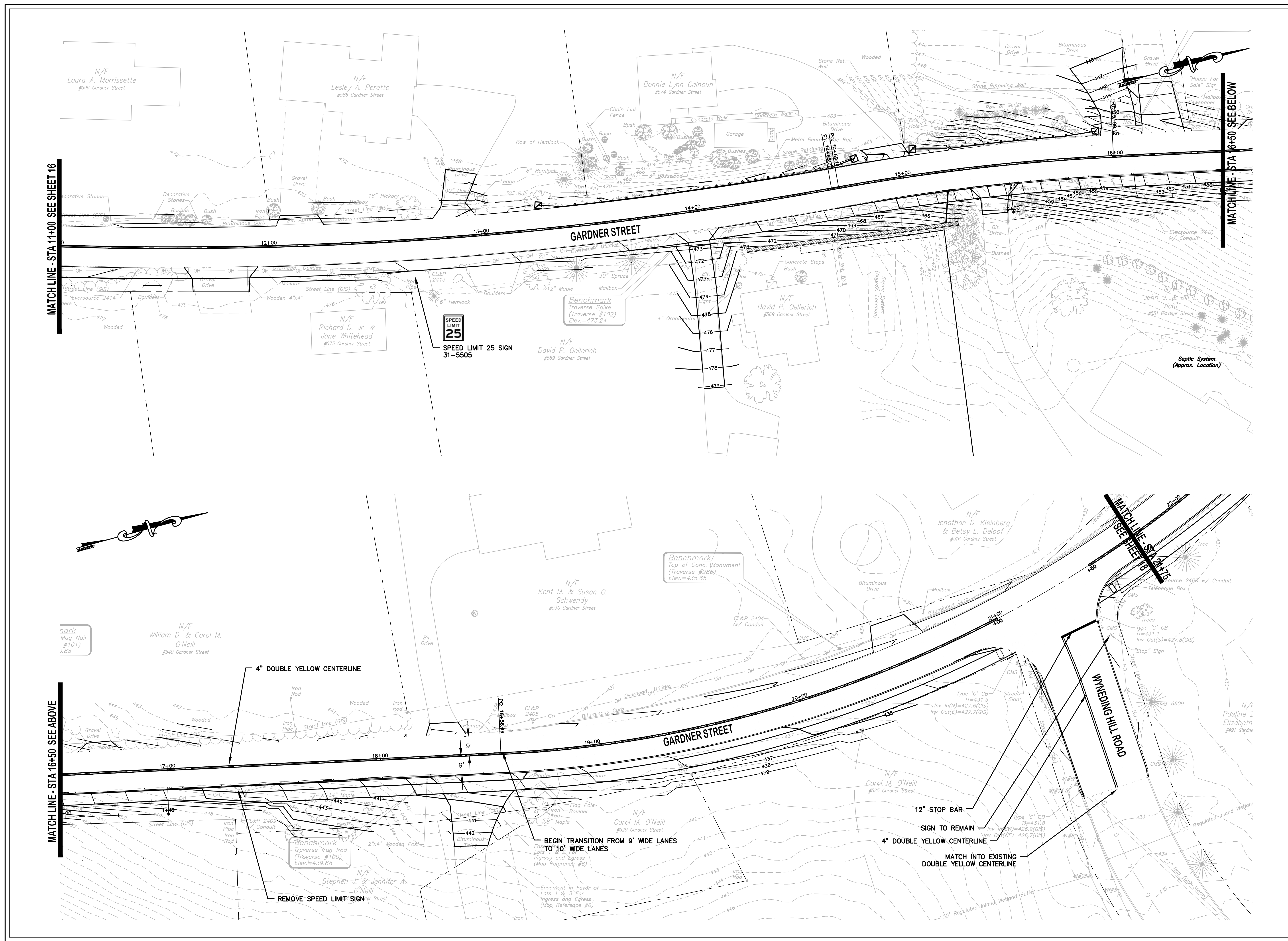
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**PAVEMENT MARKINGS
AND SIGNING PLAN**

SHEET NUMBER
17 of 27



MATCH LINE - STA 11+00 SEE SHEET 16

MATCH LINE - STA 16+50 SEE BELOW

MATCH LINE - STA 16+50 SEE ABOVE

MATCH LINE - STA 17+00 SEE SHEET 18

SPEED LIMIT 25
31-5505

Benchmark
Top of Conc. Monument
(Traverse #286)
Elev.=435.65

Benchmark
Traverse Iron Rod
(Traverse #100)
Elev.=439.88

BEGIN TRANSITION FROM 9' WIDE LANES
TO 10' WIDE LANES

12" STOP BAR
SIGN TO REMAIN

4" DOUBLE YELLOW CENTERLINE
MATCH INTO EXISTING
DOUBLE YELLOW CENTERLINE

REMOVE SPEED LIMIT SIGN

Easement in Favor of
Lots 1 & 3 Top
Ingress and Egress
(Map Reference #6)

100' Regulated Inland Wetland Buffer

Septic System
(Approx. Location)

mark
Mag. Nail
#101
7.88

N/F
William D. & Carol M.
O'Neill
#540 Gardner Street

N/F
Kent M. & Susan O.
Schwendy
#530 Gardner Street

N/F
Jonathan D. Kleinberg
& Betsy L. DeLoof
#516 Gardner Street

N/F
David P. Oellerich
#569 Gardner Street

N/F
David P. Oellerich
#569 Gardner Street

N/F
Richard D. Jr. &
Jane Whitehead
#575 Gardner Street

N/F
Bonnie Lynn Cathoun
#574 Gardner Street

N/F
Lesley A. Peretto
#586 Gardner Street

N/F
Laura A. Morrisette
#596 Gardner Street

N/F
Pauline &
Elizabeth
#491 Gardner

N/F
Carol M. O'Neill
#525 Gardner Street

N/F
Stephen J. & Jennifer A.
O'Neill



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

— WETLANDS BOUNDARY	☆ LIGHT POLE
— RETAINING WALL	⊙ CONIFEROUS TREE
— GUIDE RAIL	⊙ DECIDUOUS TREE
— STONE WALL	⊙ SANITARY MANHOLE
— STORAGE FENCE	⊙ DRAINAGE MANHOLE
— WIRE FENCE	⊙ CATCH BASIN
— CHAIN LINK FENCE	⊙ CULVERT END
— PROPERTY LINE	⊙ HYDRANT
— RAILROAD TRACKS	⊙ CURB STOP
— SILT FENCE	⊙ WATER VALVE
— CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
— GRANITE MONUMENT	⊙ BLOW OFF
— IRON PIPE	⊙ SIGN
— IRON ROD	⊙ DOUBLE POST SIGN
— CONTROL POINT	⊙ MAIL BOX
— DRILL HOLE	⊙ BOLLARD
— UTILITY POLE	⊙ CONTROLLER CABINET
— UTILITY POLE WITH LIGHT	⊙ GAS GATE
— TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
— ELECTRIC BOX	⊙ CATV TUBE
— WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-MARKINGS.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

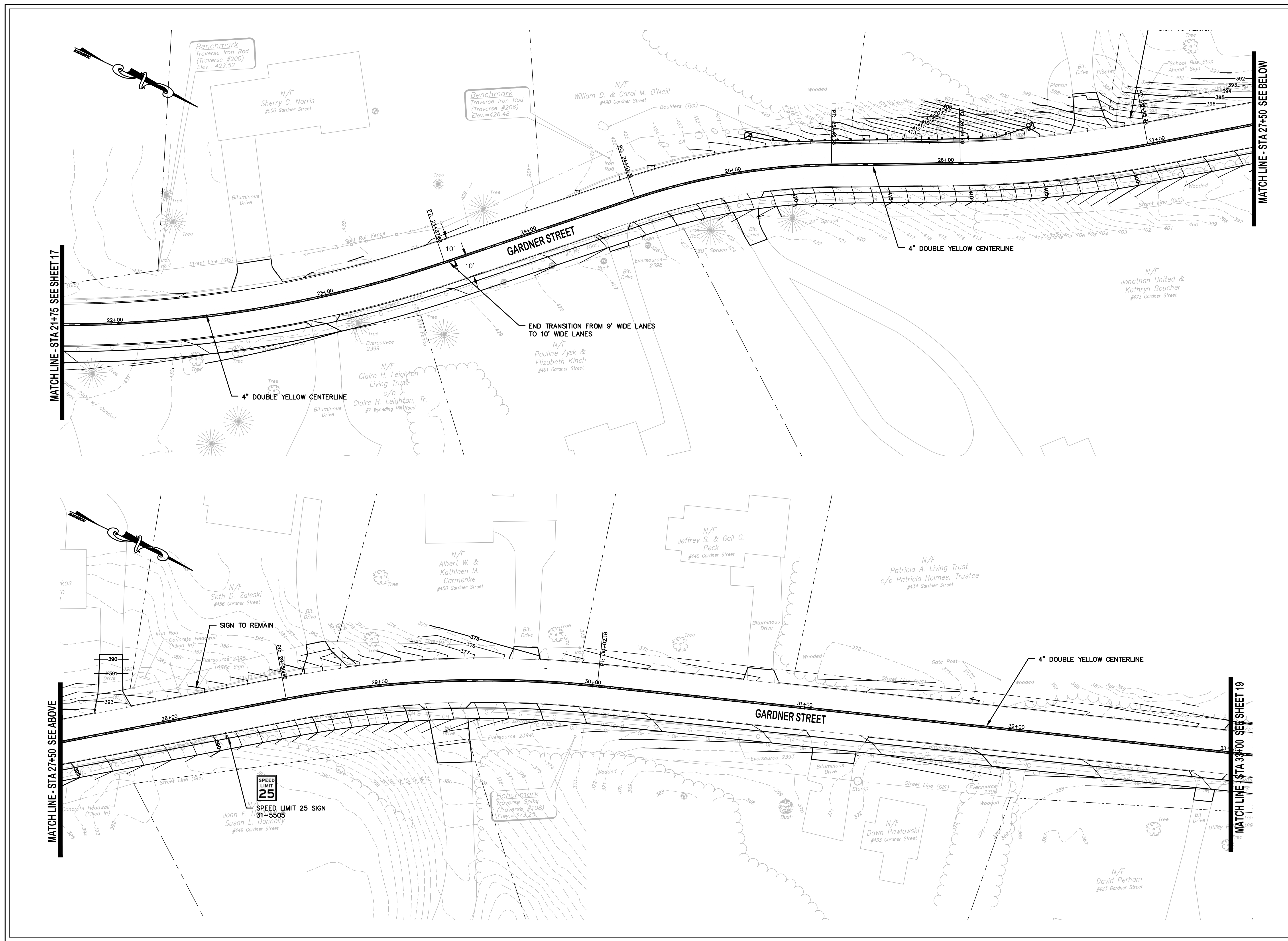
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**PAVEMENT MARKINGS
AND SIGNING PLAN**

SHEET NUMBER
18 of 27



MATCH LINE - STA 21+75 SEE SHEET 17

MATCH LINE - STA 27+50 SEE BELOW

MATCH LINE - STA 27+50 SEE ABOVE

MATCH LINE - STA 34+00 SEE SHEET 19



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- WETLANDS BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊗ CONIFEROUS TREE
--- GUIDE RAIL	⊗ DECEIDUOUS TREE
--- STONE WALL	⊗ SANITARY MANHOLE
--- STOCKADE FENCE	⊗ DRAINAGE MANHOLE
--- WIRE FENCE	⊗ CATCH BASIN
--- CHAIN LINK FENCE	⊗ CULVERT END
--- PROPERTY LINE	⊗ HYDRANT
--- RAILROAD TRACKS	⊗ CURB STOP
--- SILT FENCE	⊗ WATER VALVE
⊗ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
⊗ GRANITE MONUMENT	⊗ BLOW OFF
⊗ IRON PIPE	⊗ SIGN
⊗ IRON ROD	⊗ DOUBLE POST SIGN
⊗ CONTROL POINT	⊗ MAIL BOX
⊗ DRILL POLE	⊗ BOLLARD
⊗ UTILITY POLE	⊗ CONTROLLER CABINET
⊗ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊗ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊗ ELECTRIC BOX	⊗ CATV TUBE
⊗ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-MARKINGS.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

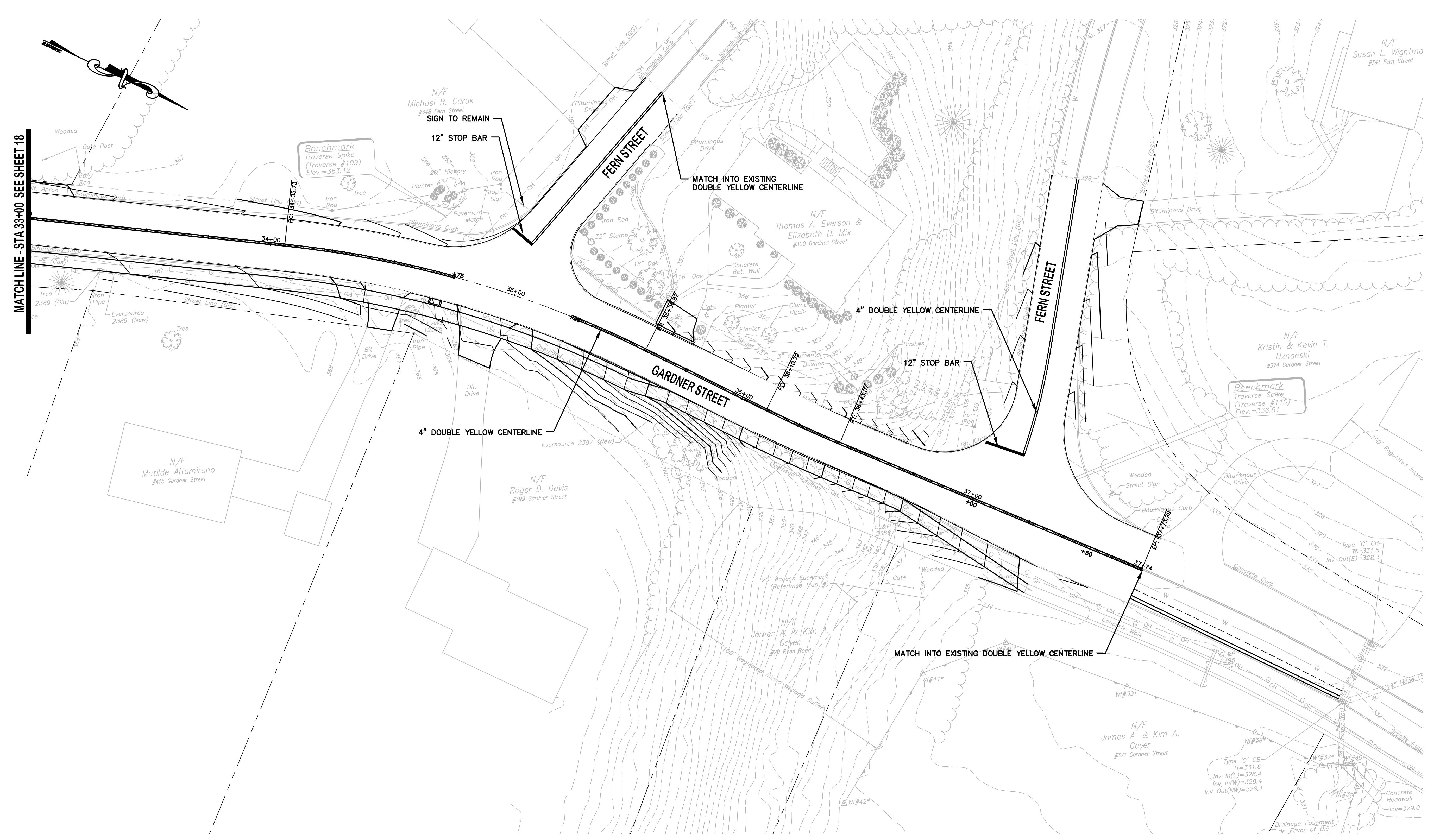
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**PAVEMENT MARKINGS
AND SIGNING PLAN**

SHEET NUMBER
19 of 27



MATCH LINE - STA 33+00 SEE SHEET 18

N/F
Matilde Altamirano
#415 Gardner Street

N/F
Michael R. Caruk
#345 Fern Street
SIGN TO REMAIN
12" STOP BAR

Benchmark
Traverse Spike
(Traverse #109)
Elev.=363.12

MATCH INTO EXISTING
DOUBLE YELLOW CENTERLINE

N/F
Thomas A. Everson &
Elizabeth D. Mix
#390 Gardner Street

4" DOUBLE YELLOW CENTERLINE

12" STOP BAR

Benchmark
Traverse Spike
(Traverse #110)
Elev.=336.51

N/F
Kristin & Kevin T.
Uznanski
#374 Gardner Street

4" DOUBLE YELLOW CENTERLINE

N/F
Roger D. Davis
#399 Gardner Street

MATCH INTO EXISTING DOUBLE YELLOW CENTERLINE

N/F
James A. & Kim A.
Ceyer
#371 Gardner Street

Type 'C' CB
Tr=331.6
Inv In(E)=328.4
Inv In(W)=328.4
Inv Out(NW)=328.1

Type 'C' CB
Tr=331.5
Inv In(E)=328.3
Inv In(W)=328.3

Concrete Headwall
Inv=329.0



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

— WETLANDS BOUNDARY	☆ LIGHT POLE
— RETAINING WALL	⊗ CONIFEROUS TREE
— GUIDE RAIL	⊗ DECIDUOUS TREE
— STONE WALL	⊗ SANITARY MANHOLE
— STOCKADE FENCE	⊗ DRAINAGE MANHOLE
— WIRE FENCE	⊗ CATCH BASIN
— CHAIN LINK FENCE	⊗ CULVERT END
— PROPERTY LINE	⊗ HYDRANT
— RAILROAD TRACKS	⊗ CURB STOP
— SILT FENCE	⊗ WATER VALVE
□ CONCRETE MONUMENT	⊗ BUTTERFLY VALVE
■ GRANITE MONUMENT	⊗ BLOW OFF
○ IRON PIPE	⊗ SIGN
● IRON ROD	⊗ DOUBLE POST SIGN
⊙ CONTROL POINT	⊗ MAIL BOX
⊙ DRAIN POLE	⊗ BOLLARD
⊙ UTILITY POLE	⊗ CONTROLLER CABINET
⊙ UTILITY POLE WITH LIGHT	⊗ GAS GATE
⊙ TRAFFIC SPAN POLE	⊗ TELEPHONE BOX
⊙ ELECTRIC BOX	⊗ CATV TUBE
⊙ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-EROS.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

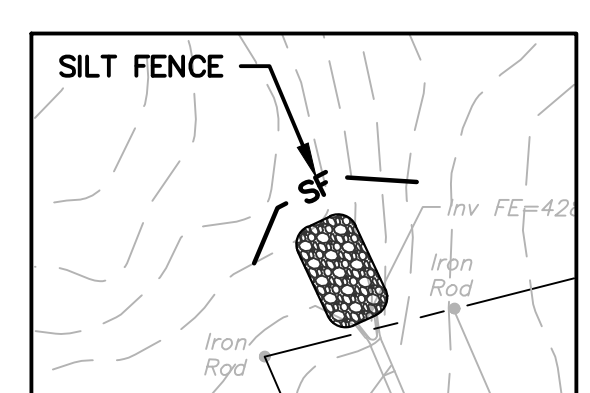
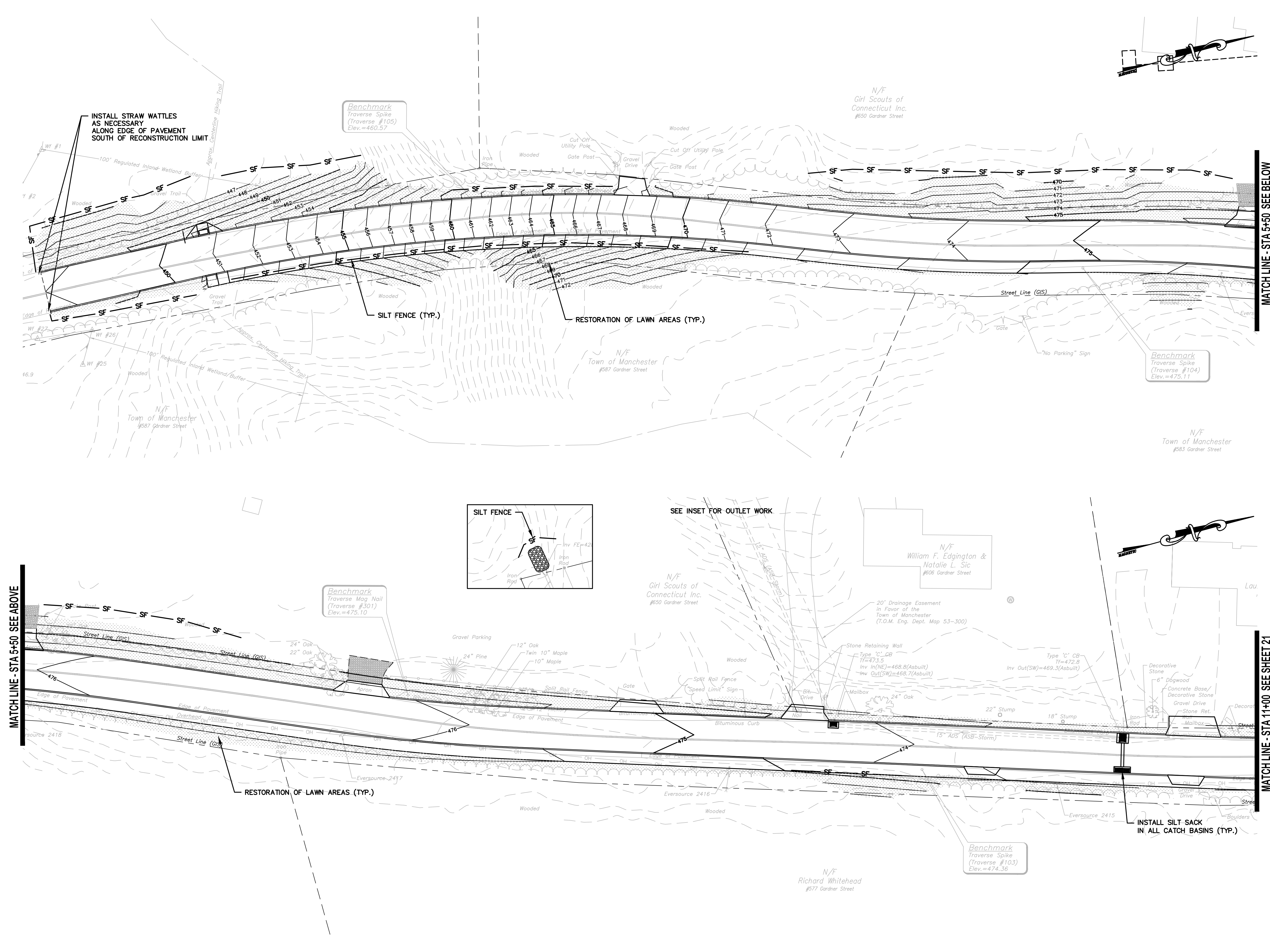
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**GRADING AND TURF
ESTABLISHMENT PLAN**

SHEET NUMBER
20 of 27





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

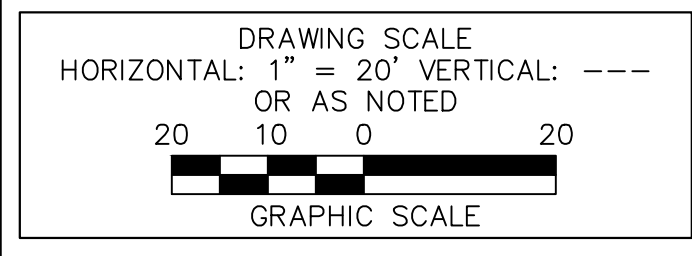
--- WETLANDS BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	⊙ CONIFEROUS TREE
--- GUIDE RAIL	⊙ DECIDUOUS TREE
--- STONE WALL	⊙ SANITARY MANHOLE
--- STORAGE FENCE	⊙ GRANITE MANHOLE
--- WIRE FENCE	⊙ CATCH BASIN
--- CHAIN LINK FENCE	⊙ CULVERT END
--- PROPERTY LINE	⊙ HYDRANT
--- RAILROAD TRACKS	⊙ CURB STOP
--- SILT FENCE	⊙ WATER VALVE
--- CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
--- GRANITE MONUMENT	⊙ BLOW OFF
○ IRON PIPE	⊙ SIGN
○ IRON ROD	⊙ DOUBLE POST SIGN
△ CONTROL POINT	⊙ MAIL BOX
● DRILL HOLE	⊙ BOLLARD
○ UTILITY POLE	⊙ CONTROLLER CABINET
⊙ UTILITY POLE WITH LIGHT	⊙ GAS GATE
⊙ TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
⊙ ELECTRIC BOX	⊙ CATV TUBE
⊙ WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-EROS.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL



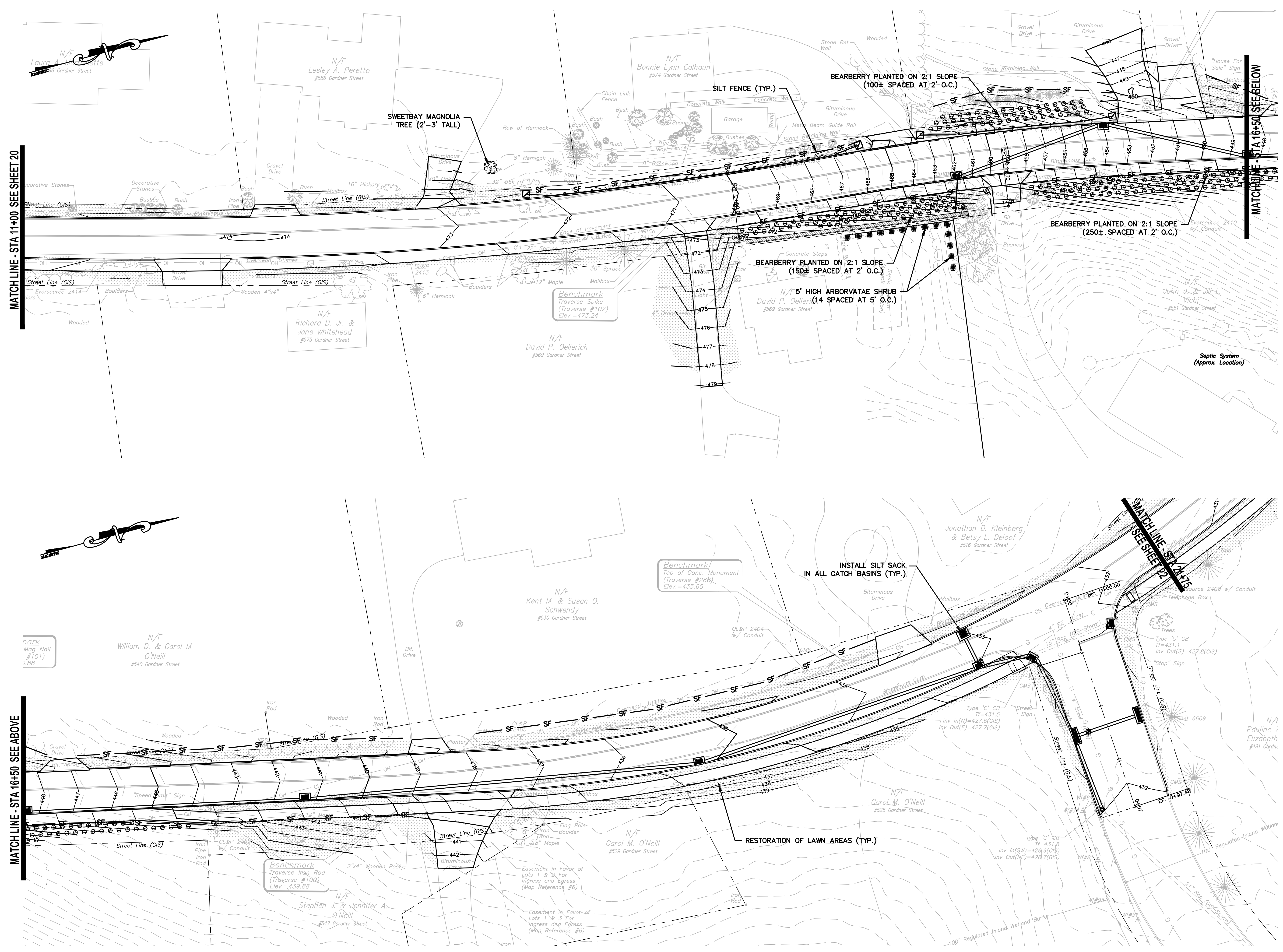
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**GRADING AND TURF
ESTABLISHMENT PLAN**

SHEET NUMBER
21 of 27





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- WETLANDS BOUNDARY	☆ LIGHT POLE
--- RETAINING WALL	★ CONIFEROUS TREE
--- GUIDE RAIL	⊙ DECIDUOUS TREE
--- STONE WALL	⊙ SANITARY MANHOLE
--- STORAGE FENCE	⊙ DRAINAGE MANHOLE
--- WIRE FENCE	⊙ CATCH BASIN
--- CHAIN LINK FENCE	⊙ CULVERT END
--- PROPERTY LINE	⊙ HYDRANT
--- RAILROAD TRACKS	⊙ CURB STOP
--- SILT FENCE	⊙ WATER VALVE
--- CONCRETE MONUMENT	⊙ BUTTERFLY VALVE
--- GRANITE MONUMENT	⊙ BLOW OFF
--- IRON PIPE	⊙ SIGN
--- IRON ROD	⊙ DOUBLE POST SIGN
--- CONTROL POINT	⊙ MAIL BOX
--- DRILL HOLE	⊙ BOLLARD
--- UTILITY POLE	⊙ CONTROLLER CABINET
--- UTILITY POLE WITH LIGHT	⊙ GAS GATE
--- TRAFFIC SPAN POLE	⊙ TELEPHONE BOX
--- ELECTRIC BOX	⊙ CATV TUBE
--- WETLAND FLAG	

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-EROS.DWG

NO.	DATE	FILE
02/01/22	FINAL DESIGN	
05/23/22	ADDENDUM NO. 1	

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20'
VERTICAL: ---
OR AS NOTED

GRAPHIC SCALE

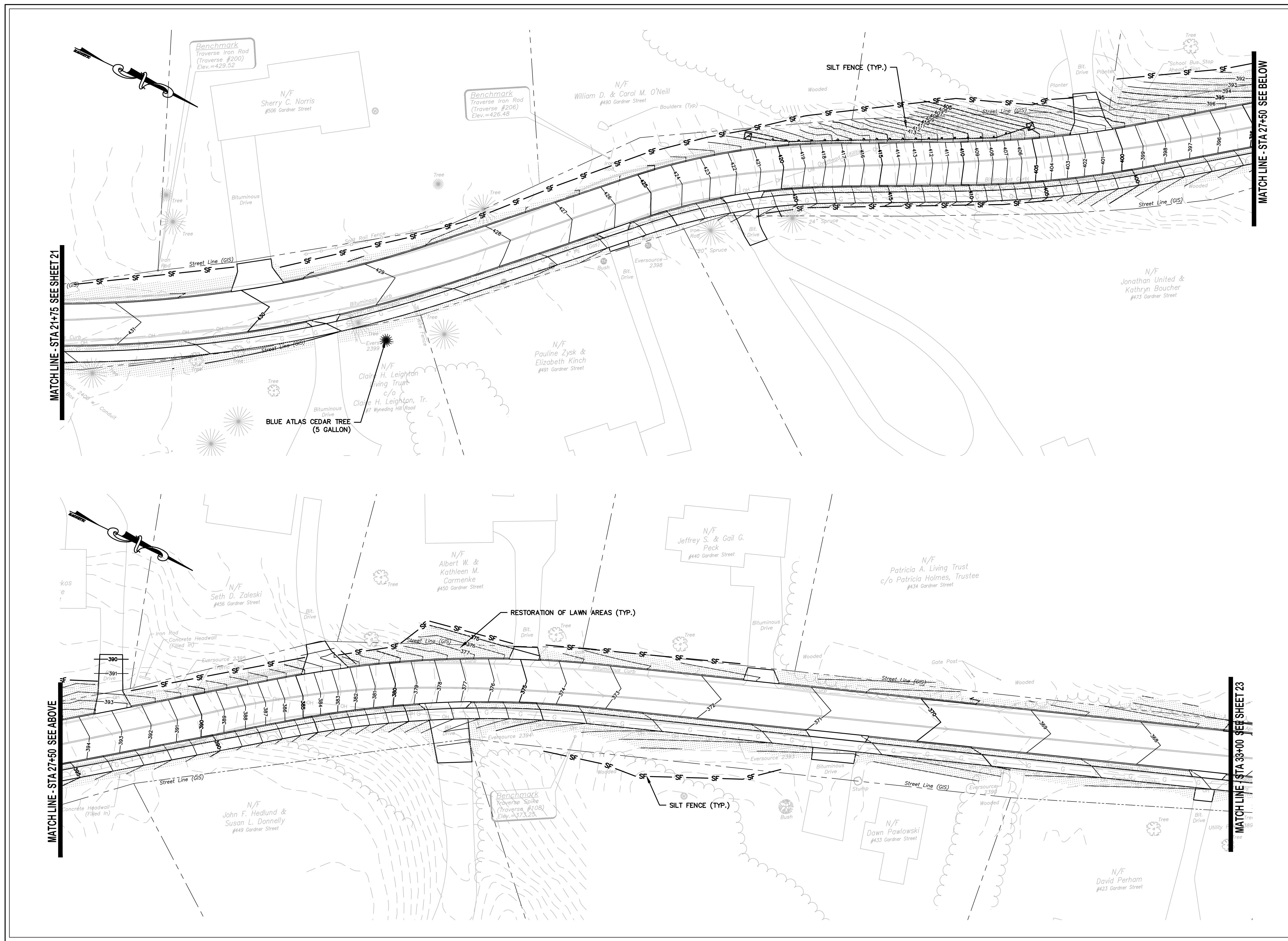
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**GRADING AND TURF
ESTABLISHMENT PLAN**

SHEET NUMBER
22 of 27





TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

--- W	= WETLANDS BOUNDARY	☆	= LIGHT POLE
---	= RETAINING WALL	⊗	= CONIFEROUS TREE
---	= GUIDE RAIL	⊗	= DECIDUOUS TREE
---	= STONE WALL	⊗	= SANITARY MANHOLE
---	= STOCKADE FENCE	⊗	= DRAINAGE MANHOLE
---	= WIRE FENCE	⊗	= CATCH BASIN
---	= CHAIN LINK FENCE	⊗	= CULVERT END
---	= PROPERTY LINE	⊗	= HYDRANT
---	= RAILROAD TRACKS	⊗	= CURB STOP
---	= SILT FENCE	⊗	= WATER VALVE
---	= CONCRETE MONUMENT	⊗	= BUTTERFLY VALVE
---	= GRANITE MONUMENT	⊗	= BLOW OFF
---	= IRON PIPE	⊗	= SIGN
---	= IRON ROD	⊗	= DOUBLE POST SIGN
---	= CONTROL POINT	⊗	= MAIL BOX
---	= DRILL POLE	⊗	= BOLLARD
---	= UTILITY POLE	⊗	= CONTROLLER CABINET
---	= UTILITY POLE WITH LIGHT	⊗	= GAS GATE
---	= TRAFFIC SPAN POLE	⊗	= TELEPHONE BOX
---	= ELECTRIC BOX	⊗	= CATV TUBE
---	= WETLAND FLAG		

PROJECT NUMBER
2020086

FILENAME
2020086-PLAN-EROS.DWG

NO.	DATE	FILE
-	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

DRAWING SCALE
HORIZONTAL: 1" = 20' VERTICAL: ---
OR AS NOTED
20 10 0 20
GRAPHIC SCALE

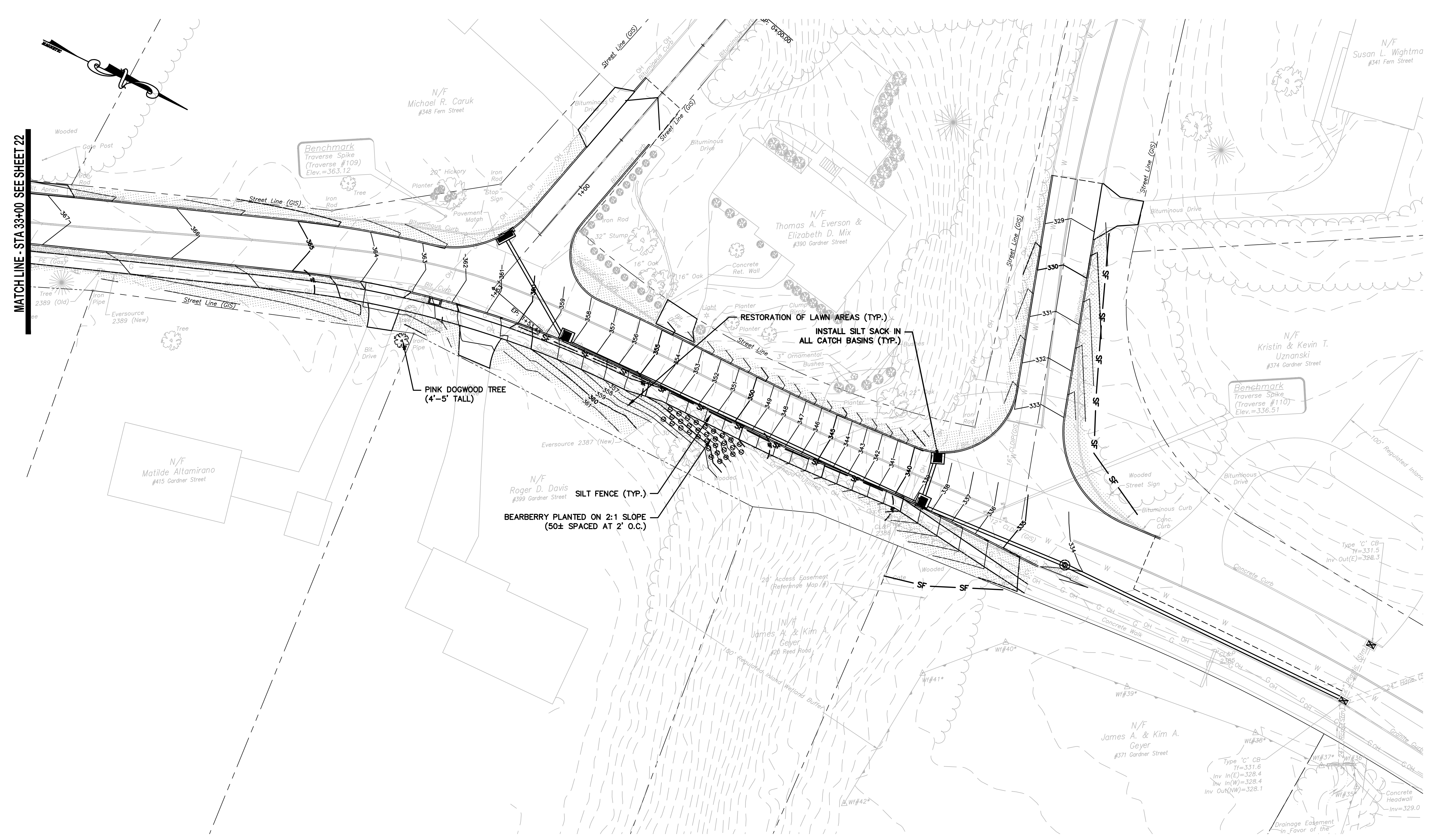
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
**GRADING AND TURF
ESTABLISHMENT PLAN**

SHEET NUMBER
23 of 27



MATCH LINE - STA 33+00 SEE SHEET 22



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	RETAINING WALL	☆	LIGHT POLE
—	STONE WALL	⊗	CONIFEROUS TREE
—	STOCKADE FENCE	⊙	DECIDUOUS TREE
—	WIRE FENCE	⊕	SANITARY MANHOLE
—	CHAIN LINK FENCE	⊖	DRAINAGE MANHOLE
—	PROPERTY LINE	⊗	CULVERT END
—	RAILROAD TRACKS	⊕	HYDRANT
—	SILT FENCE	⊖	CURB STOP
—	CONCRETE MONUMENT	⊕	WATER VALVE
—	GRANITE MONUMENT	⊖	BUTTERFLY VALVE
—	IRON PIPE	⊕	BLOW OFF
—	IRON ROD	⊖	SIGN
—	CONTROL POINT	⊕	DOUBLE POST SIGN
—	DRILL HOLE	⊖	MAIL BOX
—	UTILITY POLE	⊕	BOLLARD
—	UTILITY POLE WITH LIGHT	⊖	CONTROLLER CABINET
—	TRAFFIC SPAN POLE	⊕	GAS GATE
—	ELECTRIC BOX	⊖	TELEPHONE BOX
—	WETLAND FLAG	⊕	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-DETAILS.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
—	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

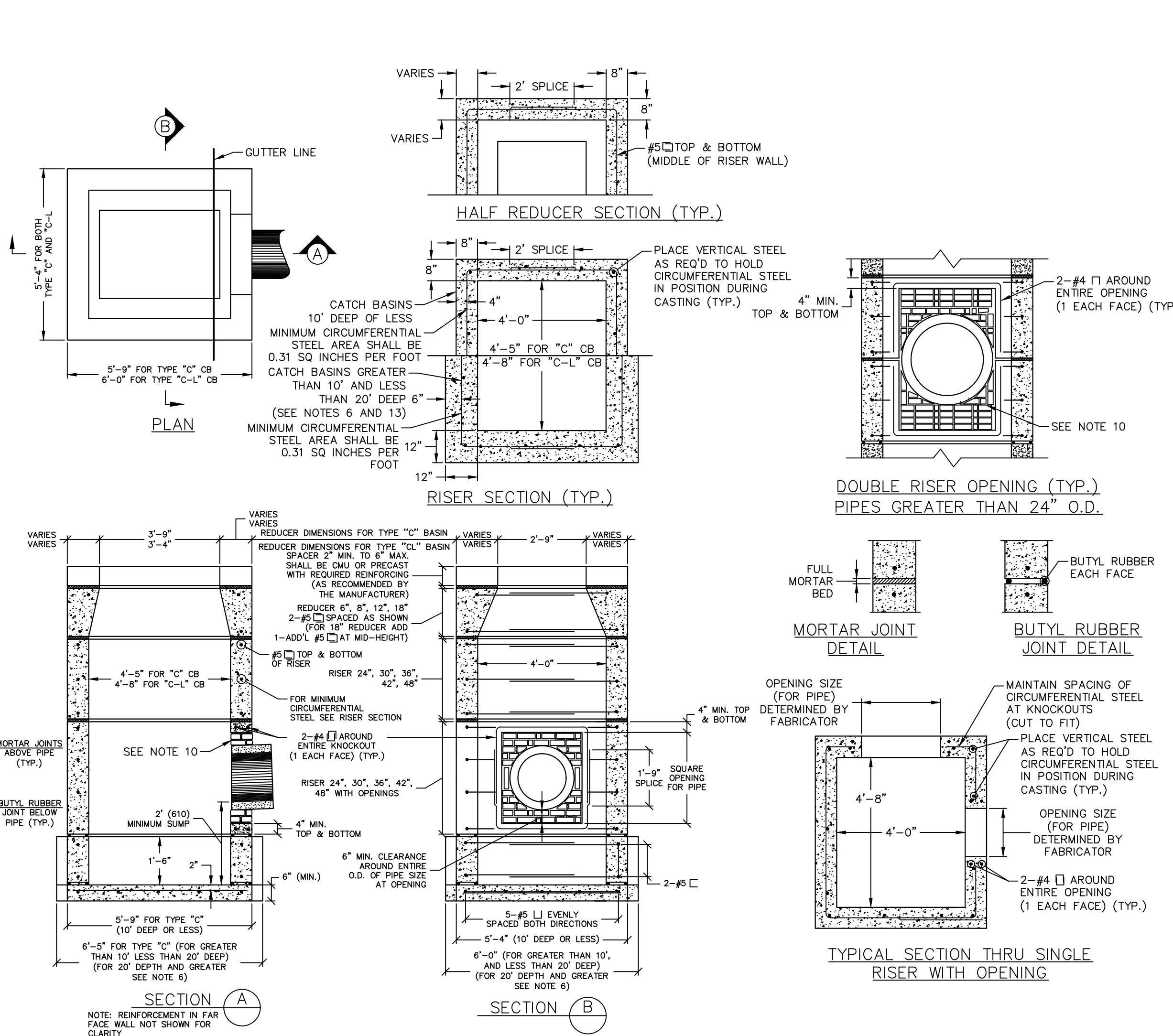
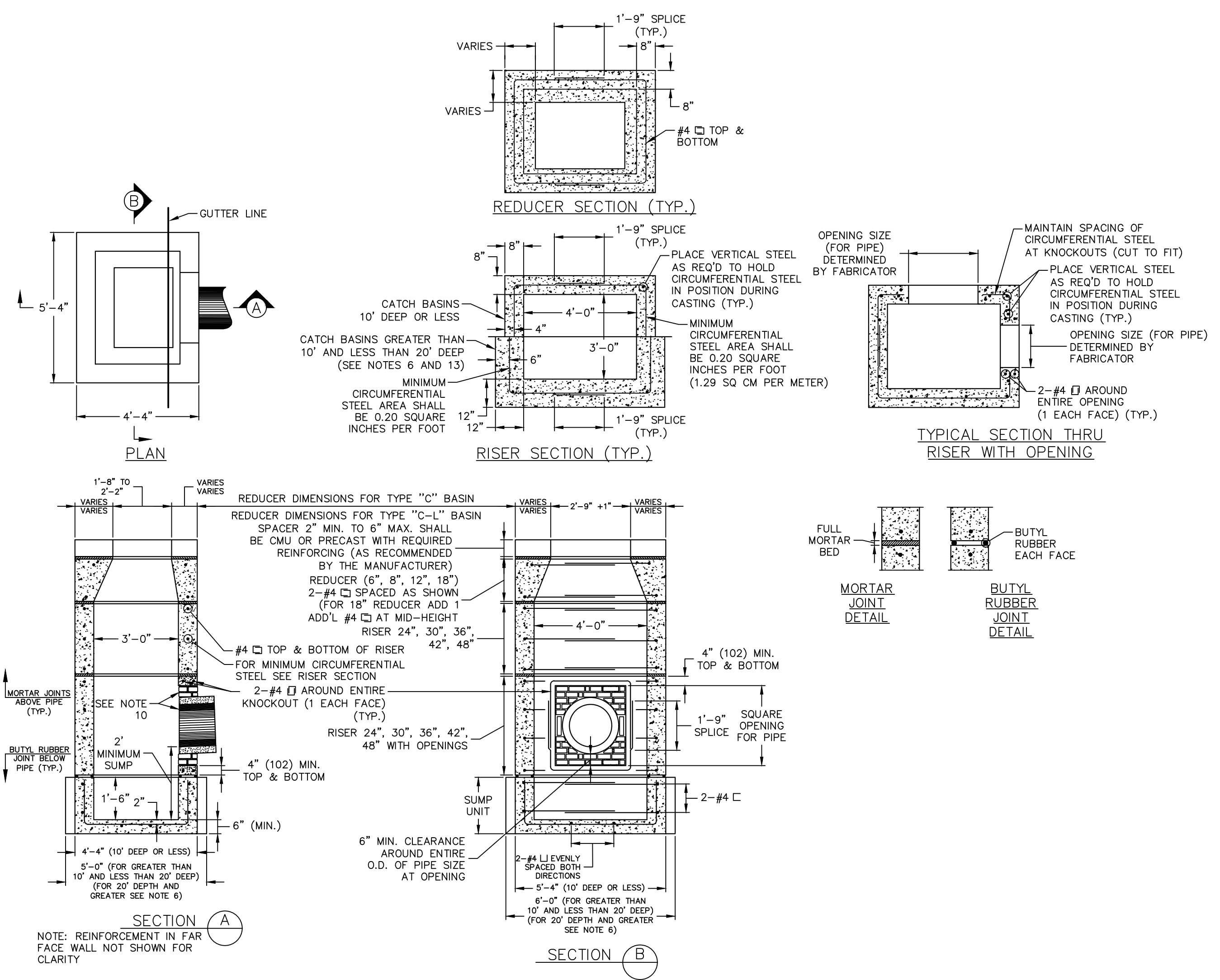
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

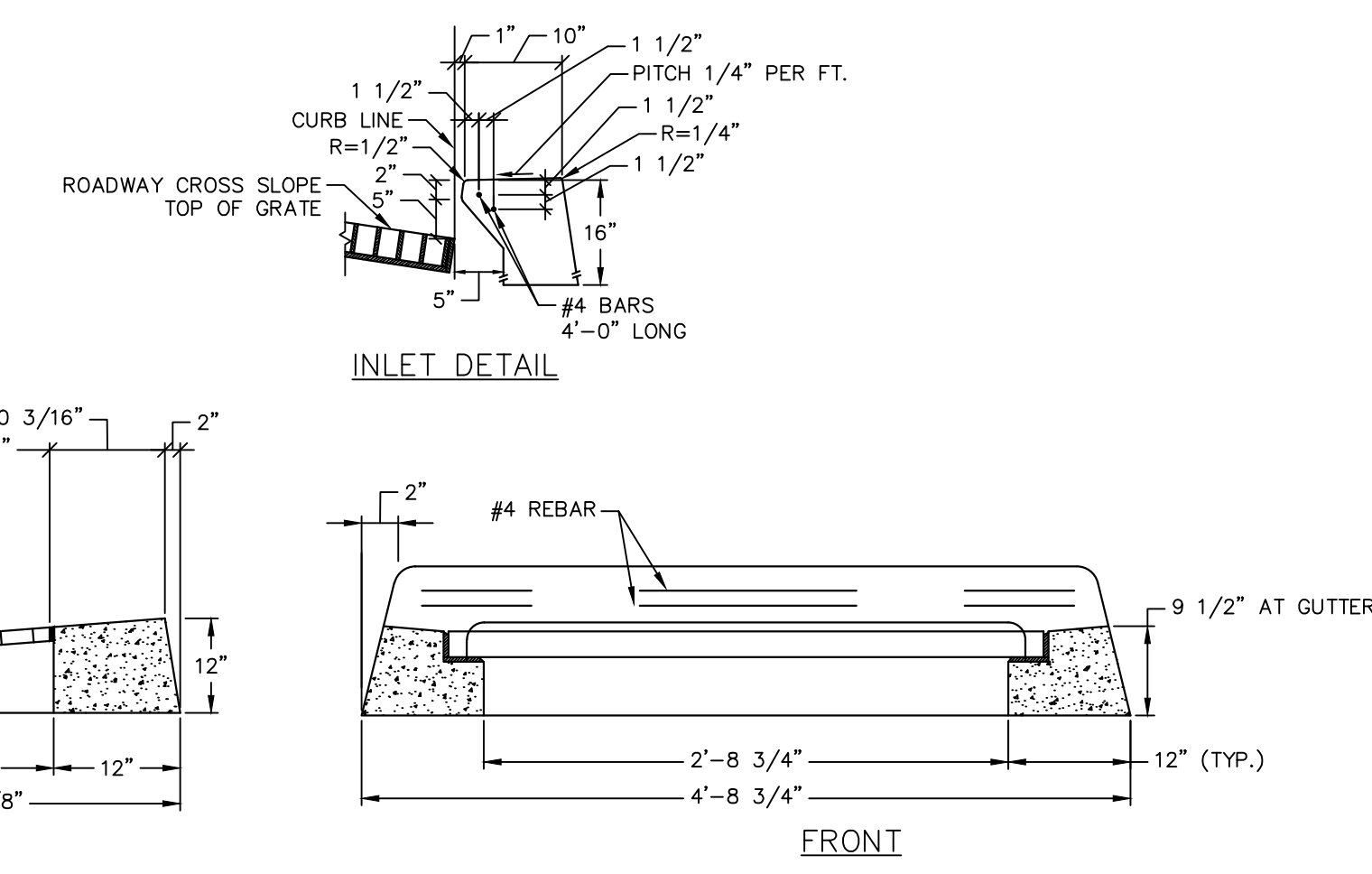
SHEET TITLE
DETAILS

SHEET NUMBER
24 of 27

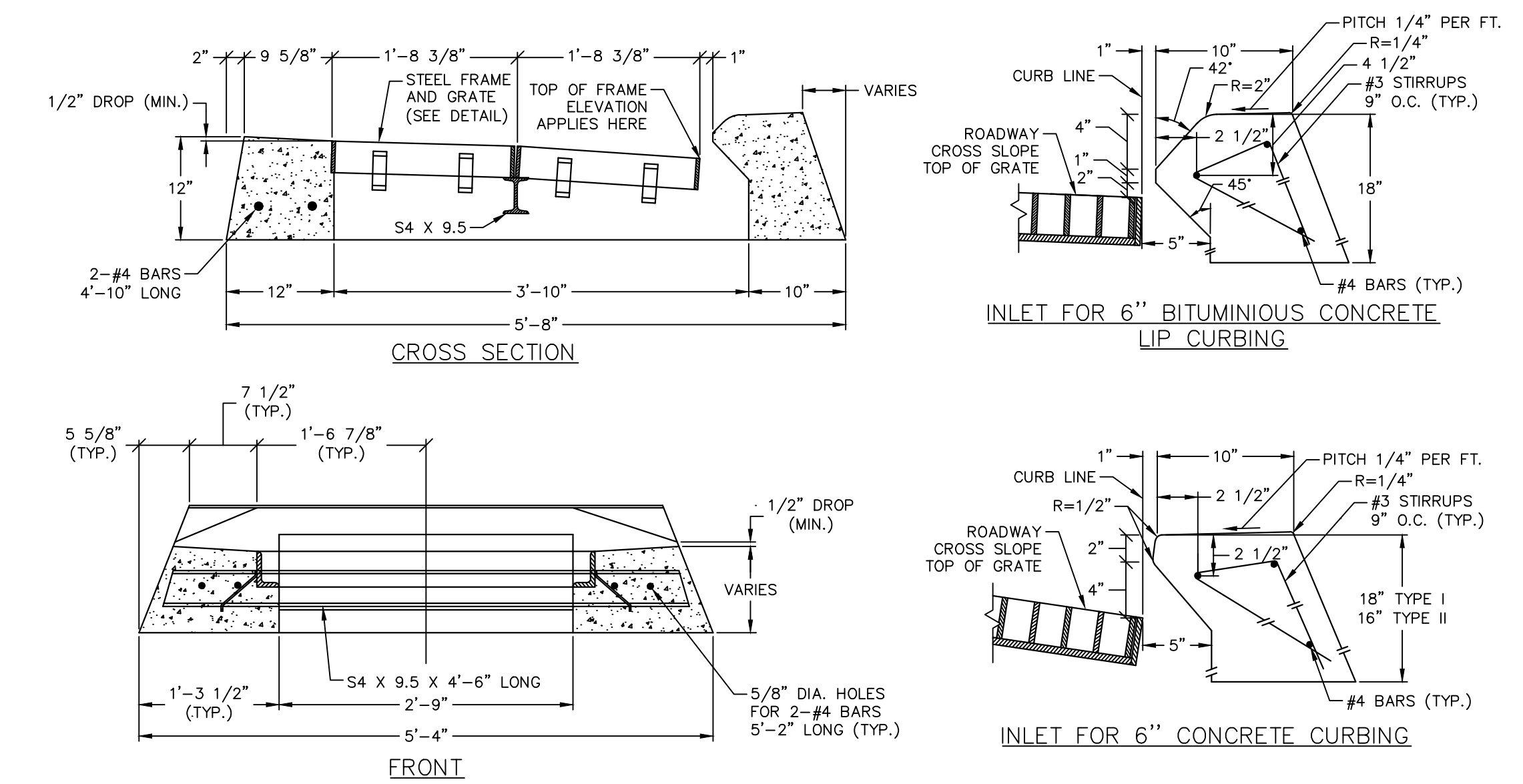


TYPE "C" AND TYPE "C-L" CATCH BASIN
NOT TO SCALE

**TYPE "C" AND TYPE "C-L" DOUBLE GRATE
TYPE I CATCH BASIN**
(STRUCTURE UNDER 10' DEEP SHOWN)
NOT TO SCALE



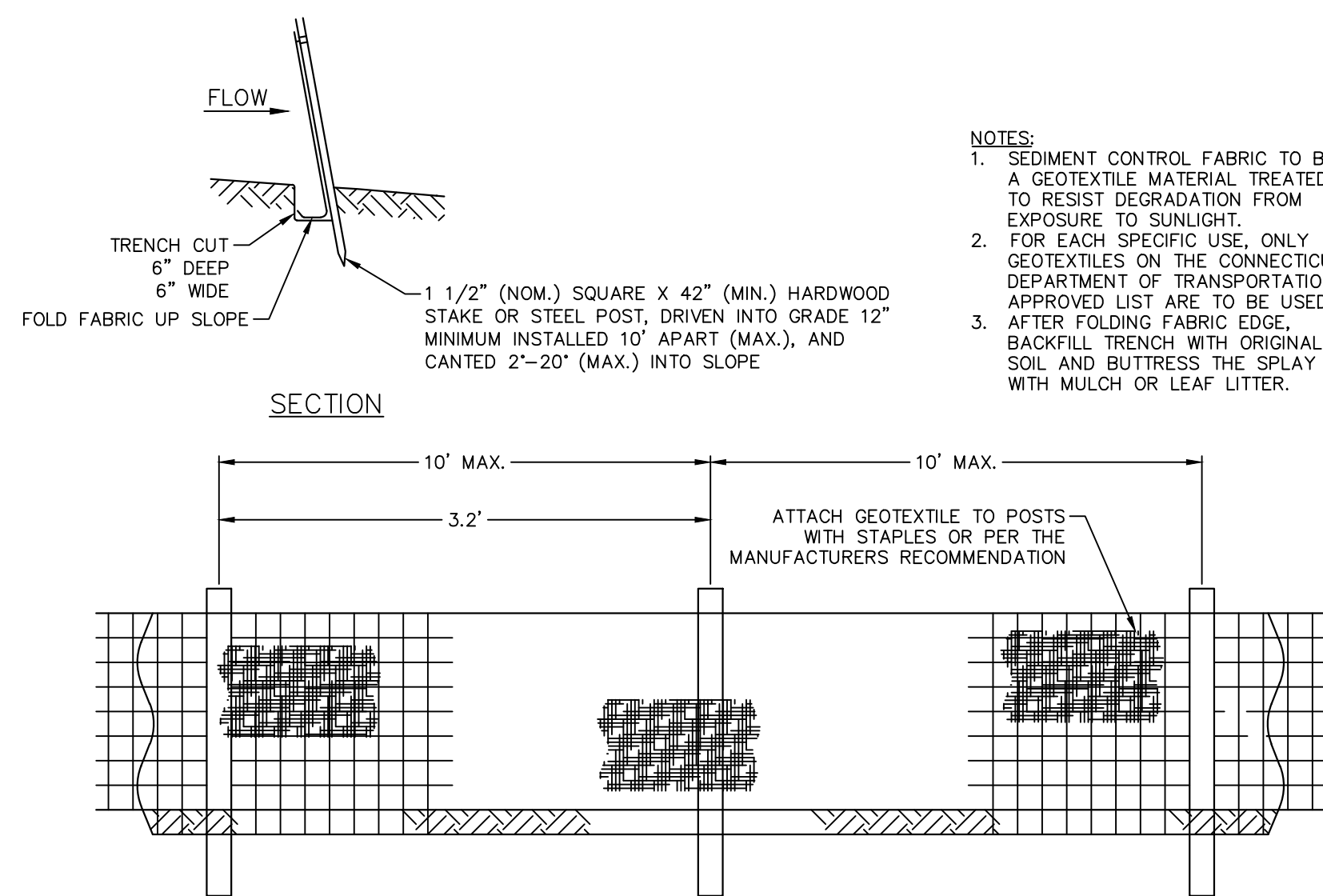
TYPE "C" CATCH BASIN TOP
(FOR CONCRETE CURB)
NOT TO SCALE



TYPE "C" DOUBLE GRATE TYPE I CATCH BASIN TOP
(FOR CONCRETE CURB AND BITUMINOUS CONCRETE LIP CURB)
NOT TO SCALE

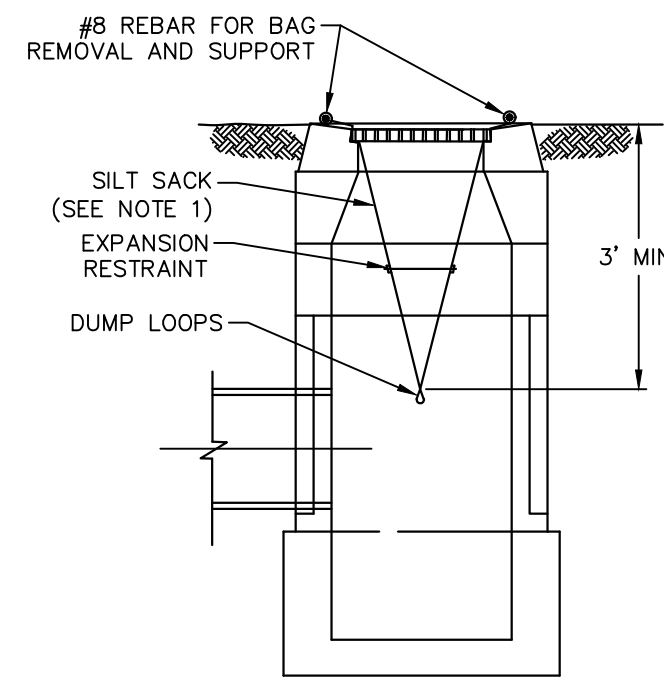
NOTES:
1. CONCRETE TOP SHALL BE CAST TO MATCH ADJACENT CONCRETE CURB.
2. CATCH BASIN TOP DIMENSIONS PROVIDED ARE APPROXIMATE. ACTUAL DIMENSIONS ARE SUBJECT TO APPROVAL BY THE TOWN.

NOTE:
1. CATCH BASIN TOP DIMENSIONS PROVIDED ARE APPROXIMATE. ACTUAL DIMENSIONS ARE SUBJECT TO APPROVAL BY THE TOWN.



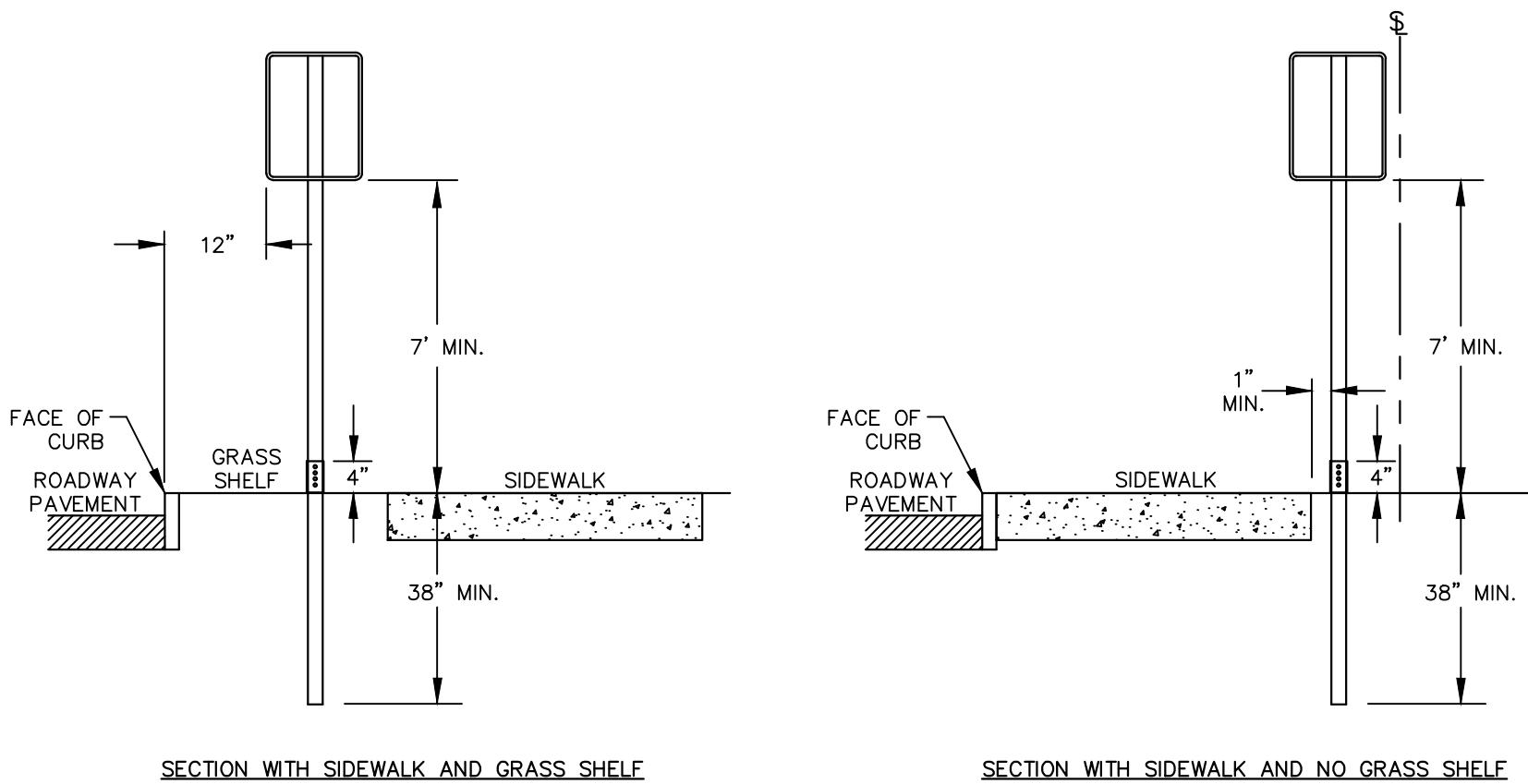
SILT FENCE
NOT TO SCALE

- NOTES:
1. SEDIMENT CONTROL FABRIC TO BE A GEOTEXTILE MATERIAL TREATED TO RESIST DEGRADATION FROM EXPOSURE TO SUNLIGHT. FOR EACH SPECIFIC USE, ONLY GEOTEXTILES ON THE CONNECTICUT DEPARTMENT OF TRANSPORTATION APPROVED LIST ARE TO BE USED.
 2. AFTER FOLDING FABRIC EDGE, BACKFILL TRENCH WITH ORIGINAL SOIL AND BUTTRESS THE SPLAY WITH MULCH OR LEAF LITTER.
 3. SILT SACKS SHALL BE HI-FLOW SILTSACK® 'TYPE A' FOR TYPE 'C-L' CB TOPS AND 'TYPE B' WITH CURB DEFLECTORS FOR TYPE 'C' CB TOPS OR OTHER STRUCTURES WITH CURB INLETS AS MANUFACTURED BY ACE ENVIRONMENTAL, INC OR APPROVED EQUAL.



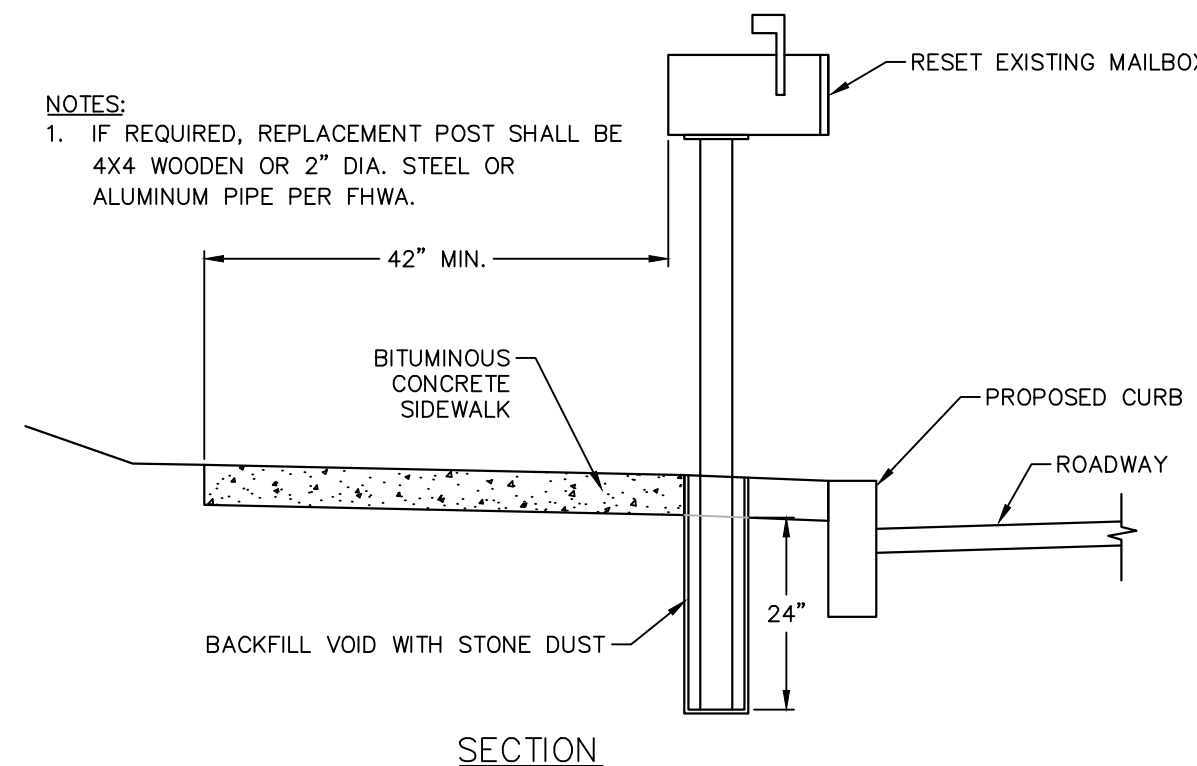
- NOTES:
1. SILT SACKS SHALL BE HI-FLOW SILTSACK® 'TYPE A' FOR TYPE 'C-L' CB TOPS AND 'TYPE B' WITH CURB DEFLECTORS FOR TYPE 'C' CB TOPS OR OTHER STRUCTURES WITH CURB INLETS AS MANUFACTURED BY ACE ENVIRONMENTAL, INC OR APPROVED EQUAL.
 2. SILT SACKS SHALL BE PROVIDED WITH INTERNAL OVERFLOWS.
 3. SILT SACKS SHALL BE EMPTIED WHEN THEY HAVE COLLECTED 6" TO 12" OF SEDIMENT. INSPECT EVERY 1 TO 2 WEEKS AND AFTER EVERY MAJOR RAINFALL EVENT.

SILT SACK
NOT TO SCALE



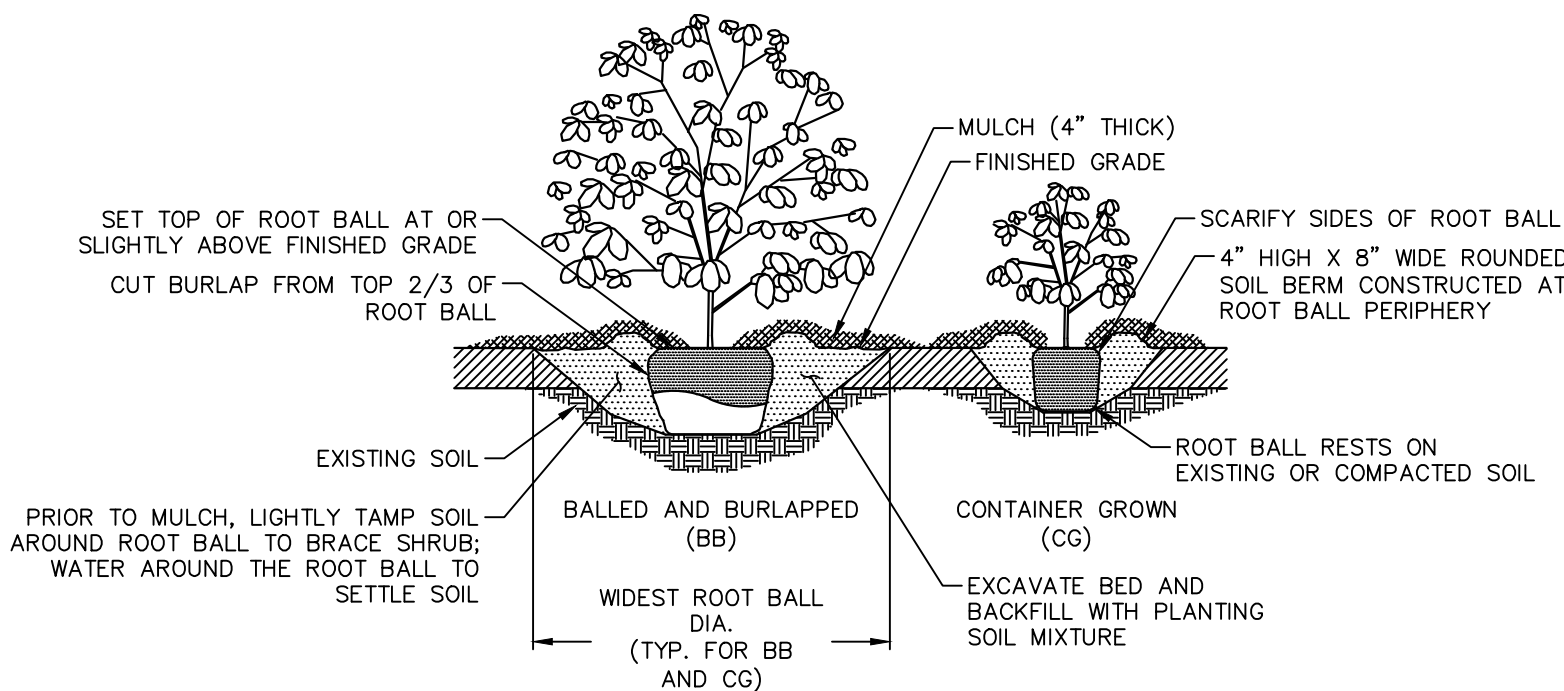
SIGN INSTALLATION - TYPICAL
NOT TO SCALE

- NOTES:
1. SUPPORTS SHALL BE METAL GALVANIZED STEEL POSTS WITH BREAKAWAY COUPLING SYSTEM.
 2. WHERE POSTS CANNOT BE INSTALLED BEHIND SIDEWALK, THEY SHALL BE INSTALLED WITH THE EDGE OF THE SIGN 12" FROM FACE OF CURB.

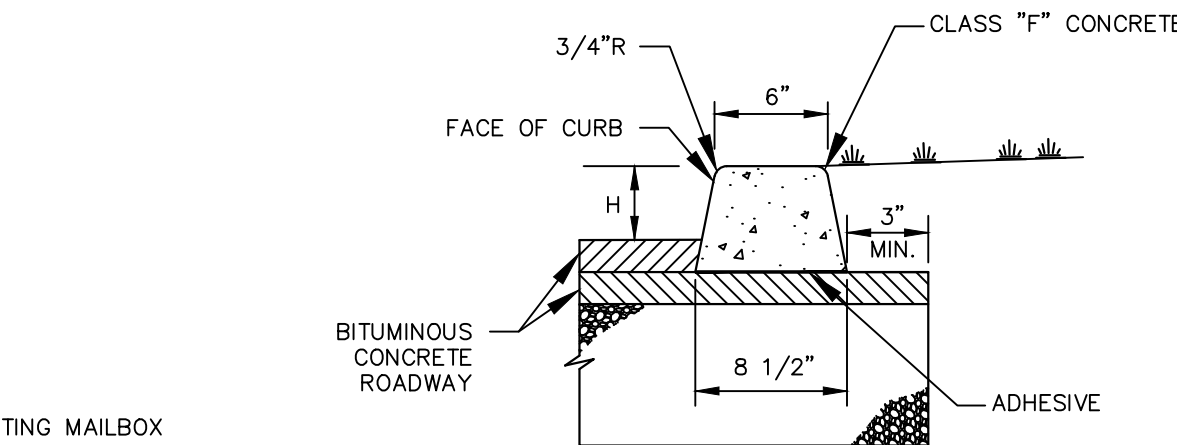


RESET MAILBOX
NOT TO SCALE

- NOTES:
1. IF REQUIRED, REPLACEMENT POST SHALL BE 4X4 WOODEN OR 2" DIA. STEEL OR ALUMINUM PIPE PER FHWA.

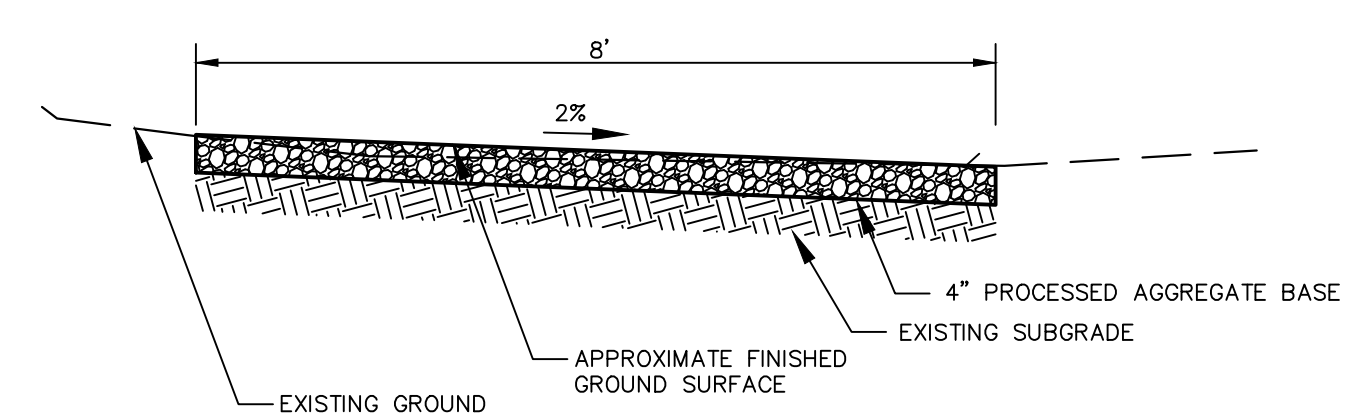


SHRUB PLANTING
NOT TO SCALE

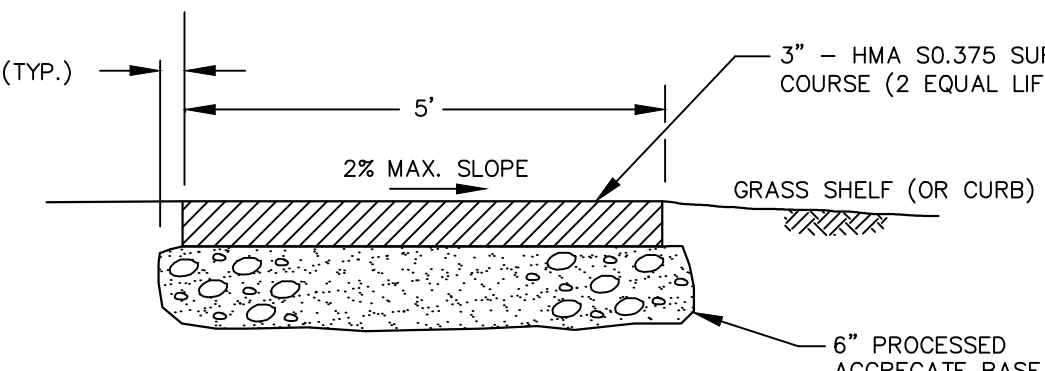


EXTRUDED CONCRETE CURB
NOT TO SCALE

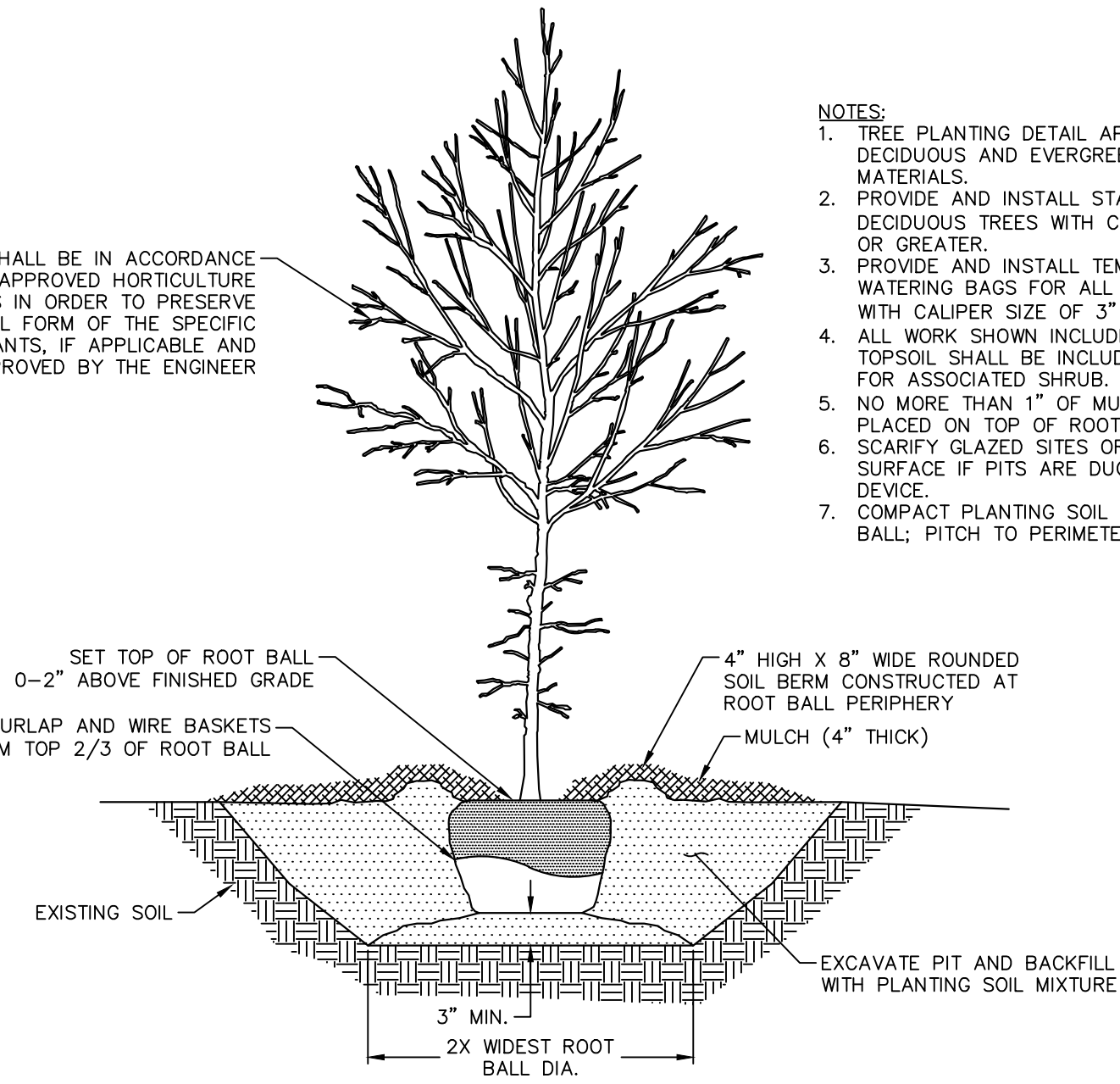
- NOTE:
- CURB HEIGHT (H) SHALL BE AS SPECIFIED ON THE PLANS.



PROCESSED AGGREGATE TRAIL
NOT TO SCALE



BITUMINOUS CONCRETE SIDEWALK
NOT TO SCALE



TREE PLANTING
NOT TO SCALE

- NOTES:
1. TREE PLANTING DETAIL APPLIES TO BOTH DECIDUOUS AND EVERGREEN TREE MATERIALS.
 2. PROVIDE AND INSTALL STAKING FOR ALL DECIDUOUS TREES WITH CALIPER SIZE OF 3" OR GREATER.
 3. PROVIDE AND INSTALL TEMPORARY TREE WATERING BAGS FOR ALL DECIDUOUS TREES WITH CALIPER SIZE OF 3" OR GREATER.
 4. ALL WORK SHOWN INCLUDING MULCH AND 4" TOPSOIL SHALL BE INCLUDED IN PAYMENT FOR ASSOCIATED SHRUB.
 5. NO MORE THAN 1" OF MULCH SHALL BE PLACED ON TOP OF ROOT BALL.
 6. SCARIFY GLAZED SITES OR HARDENED SURFACE IF PITS ARE DUG WITH AUGERING DEVICE.
 7. COMPACT PLANTING SOIL MIX UNDER ROOT BALL; PITCH TO PERIMETER OF PIT.



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLAND BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	⊗	CONIFEROUS TREE
—	STONE WALL	⊗	DECIDUOUS TREE
—	STOCKADE FENCE	⊗	SANITARY MANHOLE
—	WIRE FENCE	⊗	DRAINAGE MANHOLE
—	CHAIN LINK FENCE	⊗	CATCH BASIN
—	PROPERTY LINE	⊗	CULVERT END
—	RAILROAD TRACKS	⊗	HYDRANT
—	SILT FENCE	⊗	CURB STOP
—	CONCRETE MONUMENT	⊗	WATER VALVE
—	GRANITE MONUMENT	⊗	BUTTERFLY VALVE
—	IRON PIPE	⊗	BLOW OFF
—	IRON ROD	⊗	SIGN
—	CONTROL POINT	⊗	DOUBLE POST SIGN
—	DRILL HOLE	⊗	MAIL BOX
—	UTILITY POLE	⊗	ROLLBAR
—	UTILITY POLE WITH LIGHT	⊗	CONTROLLER CABINET
—	TRAFFIC SPAN POLE	⊗	GAS GATE
—	ELECTRIC BOX	⊗	TELEPHONE BOX
—	WETLAND FLAG	⊗	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-DETAILS.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
—	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

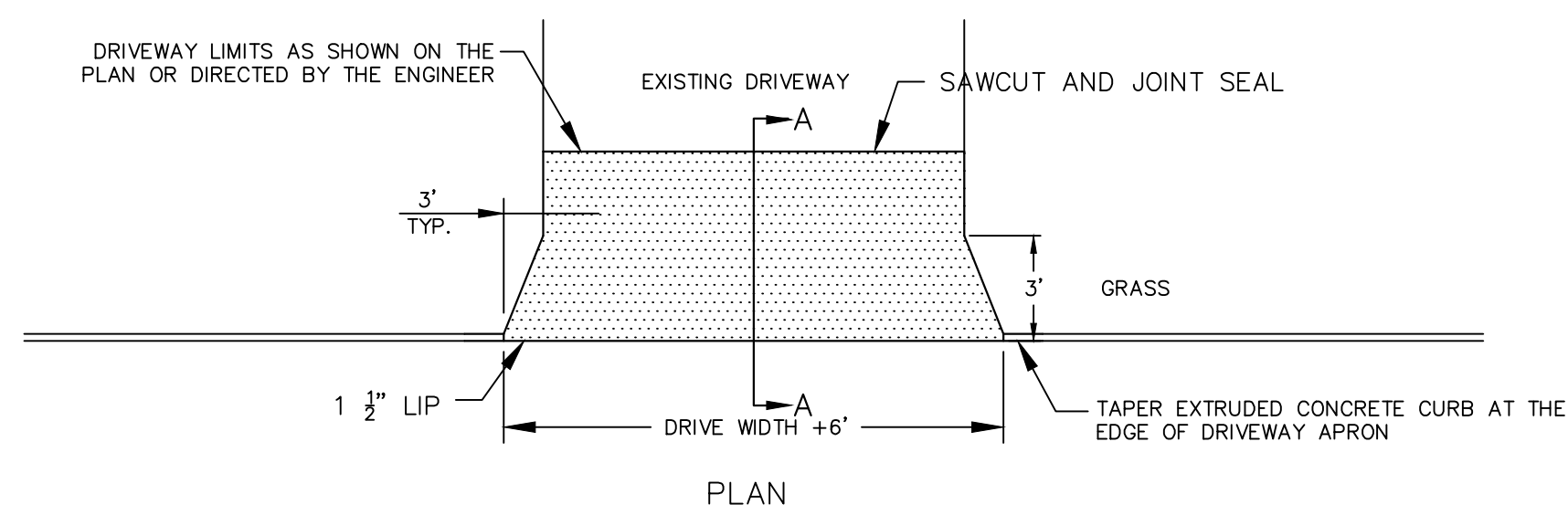
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

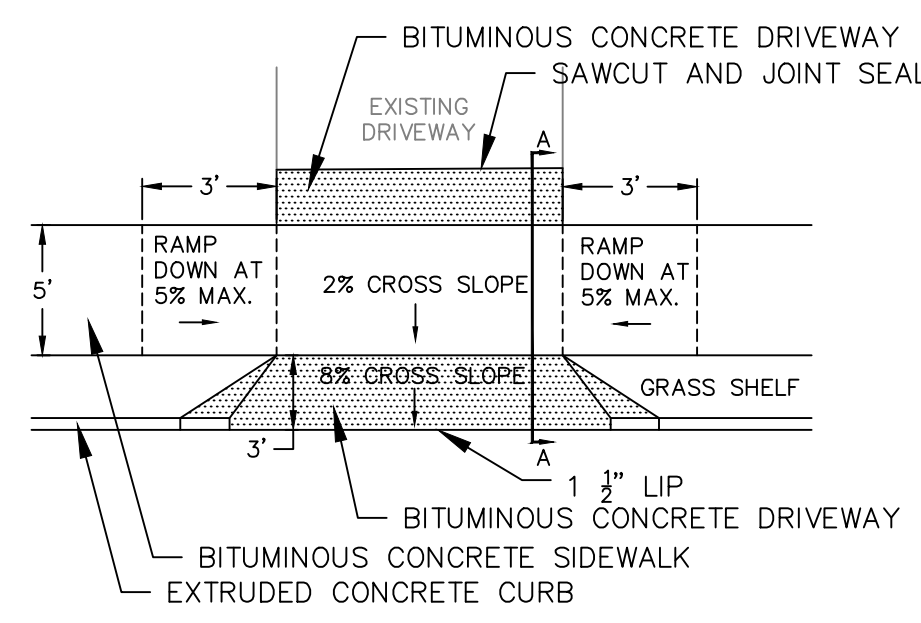
PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
DETAILS

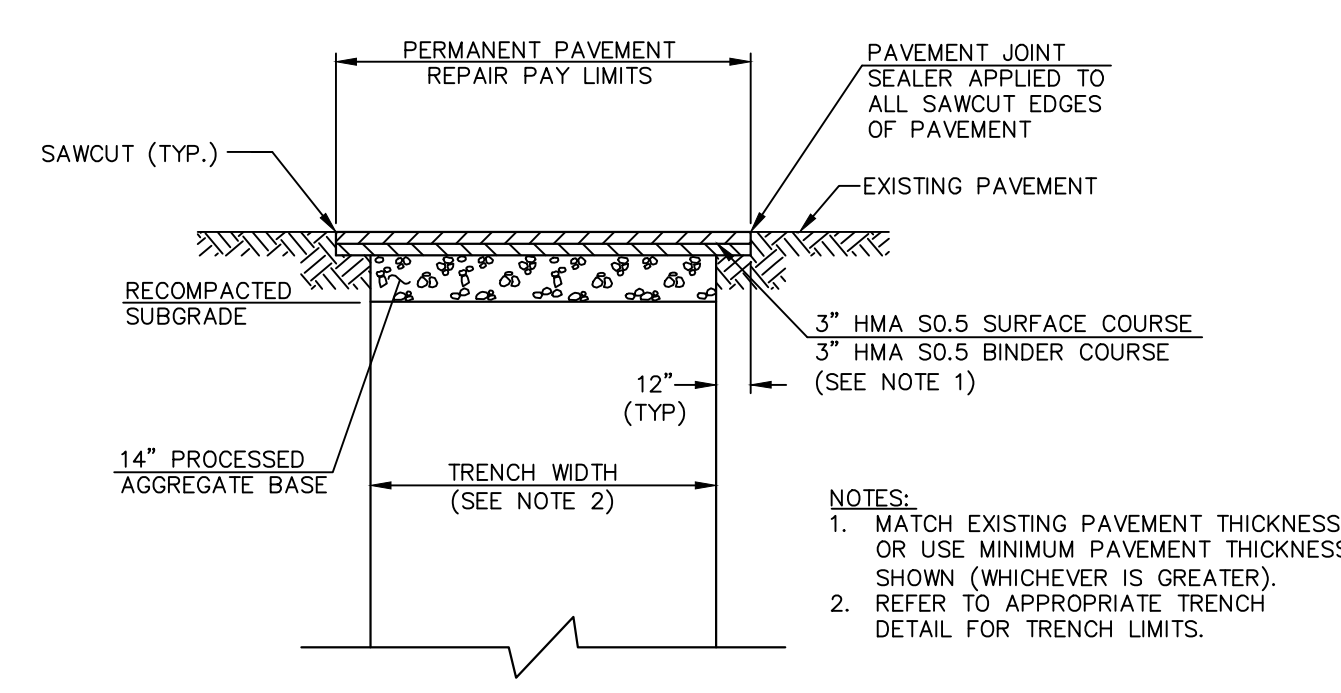
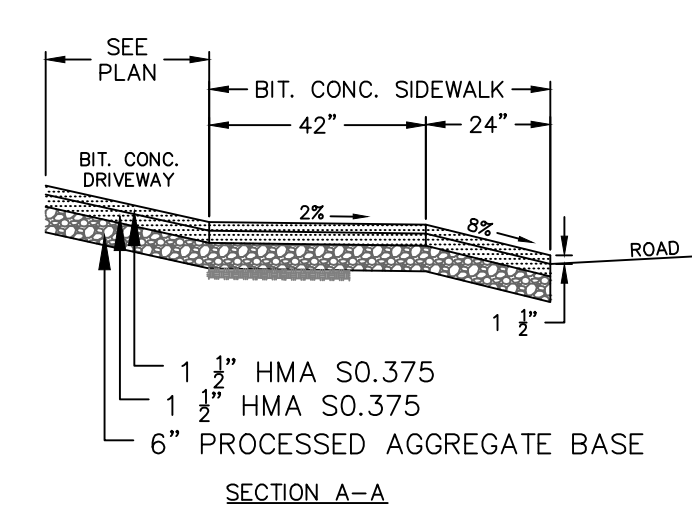
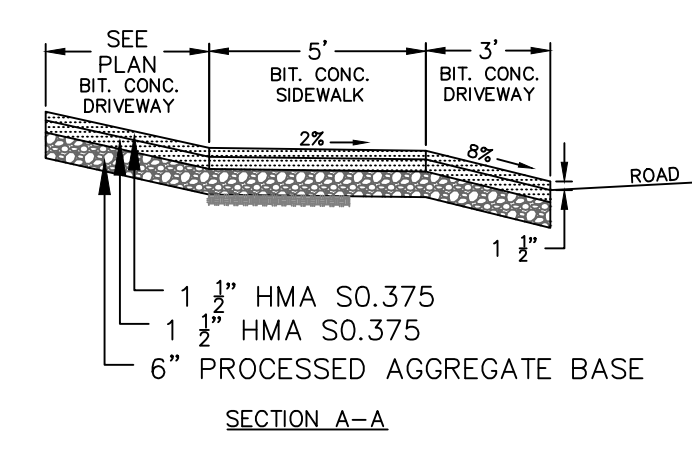
SHEET NUMBER
26 of 27



BITUMINOUS CONCRETE DRIVEWAY (NO SIDEWALK)
NOT TO SCALE



BITUMINOUS CONCRETE DRIVEWAY (WITH SIDEWALK)
NOT TO SCALE



**PERMANENT PAVEMENT REPAIR
(COLLECTOR ROAD)**
NOT TO SCALE

- NOTES:
1. MATCH EXISTING PAVEMENT THICKNESS OR USE MINIMUM PAVEMENT THICKNESS SHOWN (WHICHEVER IS GREATER).
 2. REFER TO APPROPRIATE TRENCH DETAIL FOR TRENCH LIMITS.



TOWN OF MANCHESTER
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
494 MAIN STREET - P.O. BOX 191
MANCHESTER, CT 06045-0191

LEGEND

—	WETLANDS BOUNDARY	☆	LIGHT POLE
—	RETAINING WALL	✕	CONIFEROUS TREE
—	GUIDE RAIL	⊗	DECIDUOUS TREE
—	STONE WALL	⊙	SANITARY MANHOLE
—	STOCKADE FENCE	⊕	DRAINAGE MANHOLE
—	WIRE FENCE	⊖	CATCH BASIN
—	CHAIN LINK FENCE	⊗	CULVERT END
—	PROPERTY LINE	⊕	HYDRANT
—	RAILROAD TRACKS	⊖	CURB STOP
—	SILT FENCE	⊗	WATER VALVE
□	CONCRETE MONUMENT	⊕	BUTTERFLY VALVE
■	GRANITE MONUMENT	⊖	BLOW OFF
●	IRON PIPE	⊗	SON
○	IRON ROD	⊕	DOUBLE POST SIGN
△	CONTROL POINT	⊖	MAIL BOX
⊙	DRILL HOLE	⊕	UTILITY POLE
⊗	UTILITY POLE WITH LIGHT	⊖	BOLLARD
⊕	TRAFFIC SIGN POLE	⊕	CONTROLLER CABINET
⊖	ELECTRIC BOX	⊖	GAS GATE
⊗	WETLAND FLAG	⊕	TELEPHONE BOX
		⊖	CATV TUBE

PROJECT NUMBER
2020086

FILENAME
2020086-DETAILS.DWG

NO.	DATE	FILE
—	02/01/22	FINAL DESIGN
	05/23/22	ADDENDUM NO. 1

DRAWN BY: JED
CHECKED BY: JL
RELEASED BY: JL

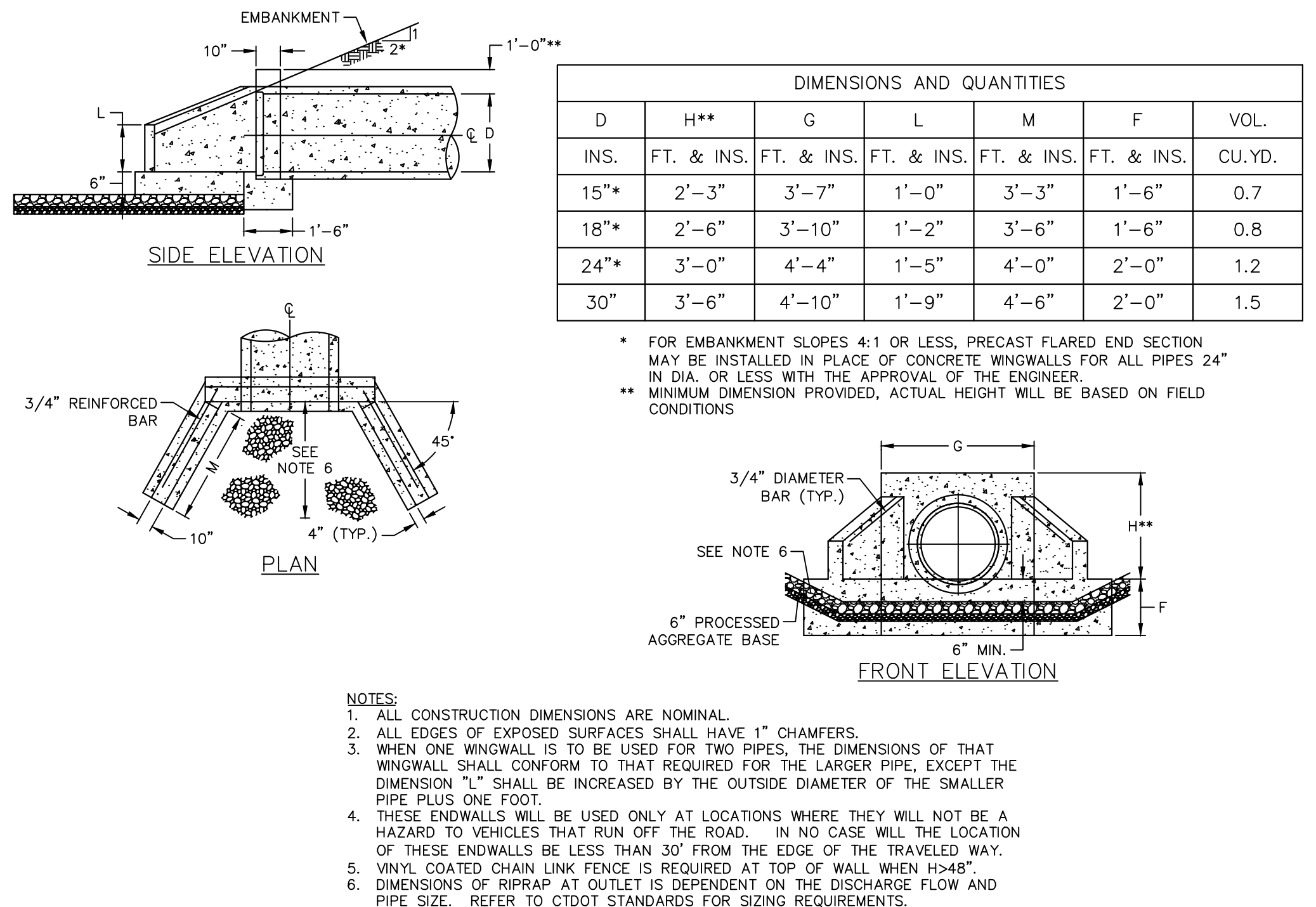
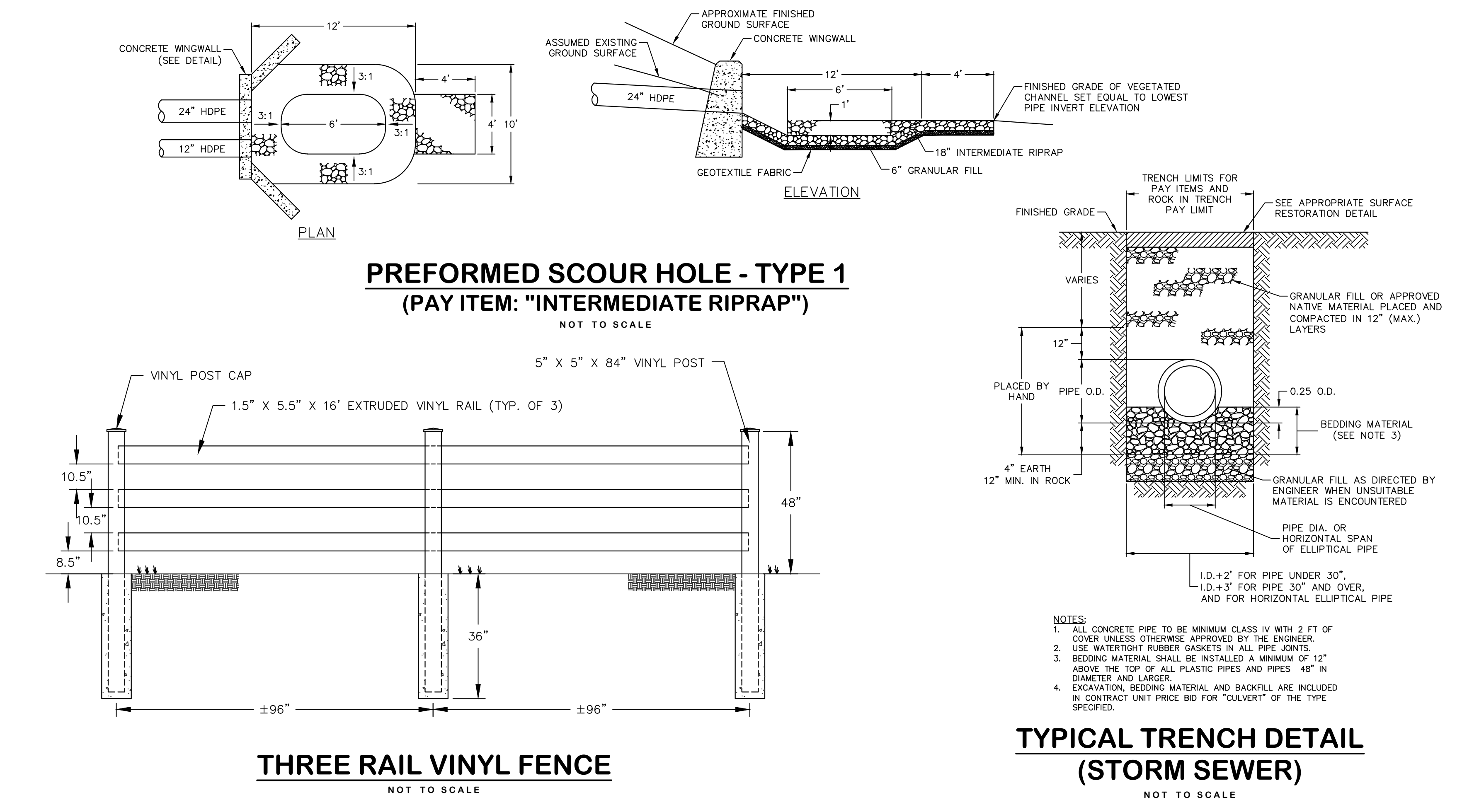
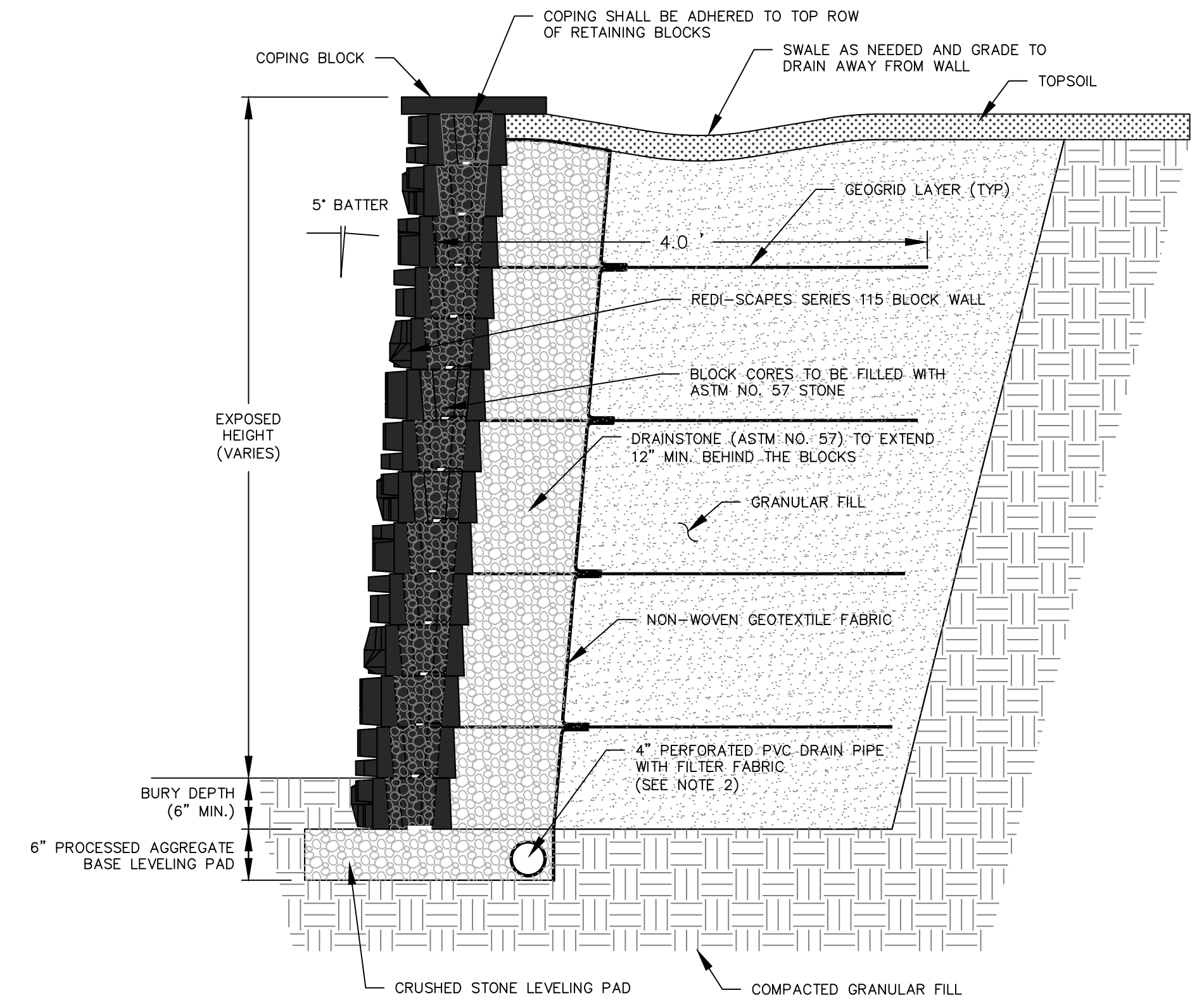
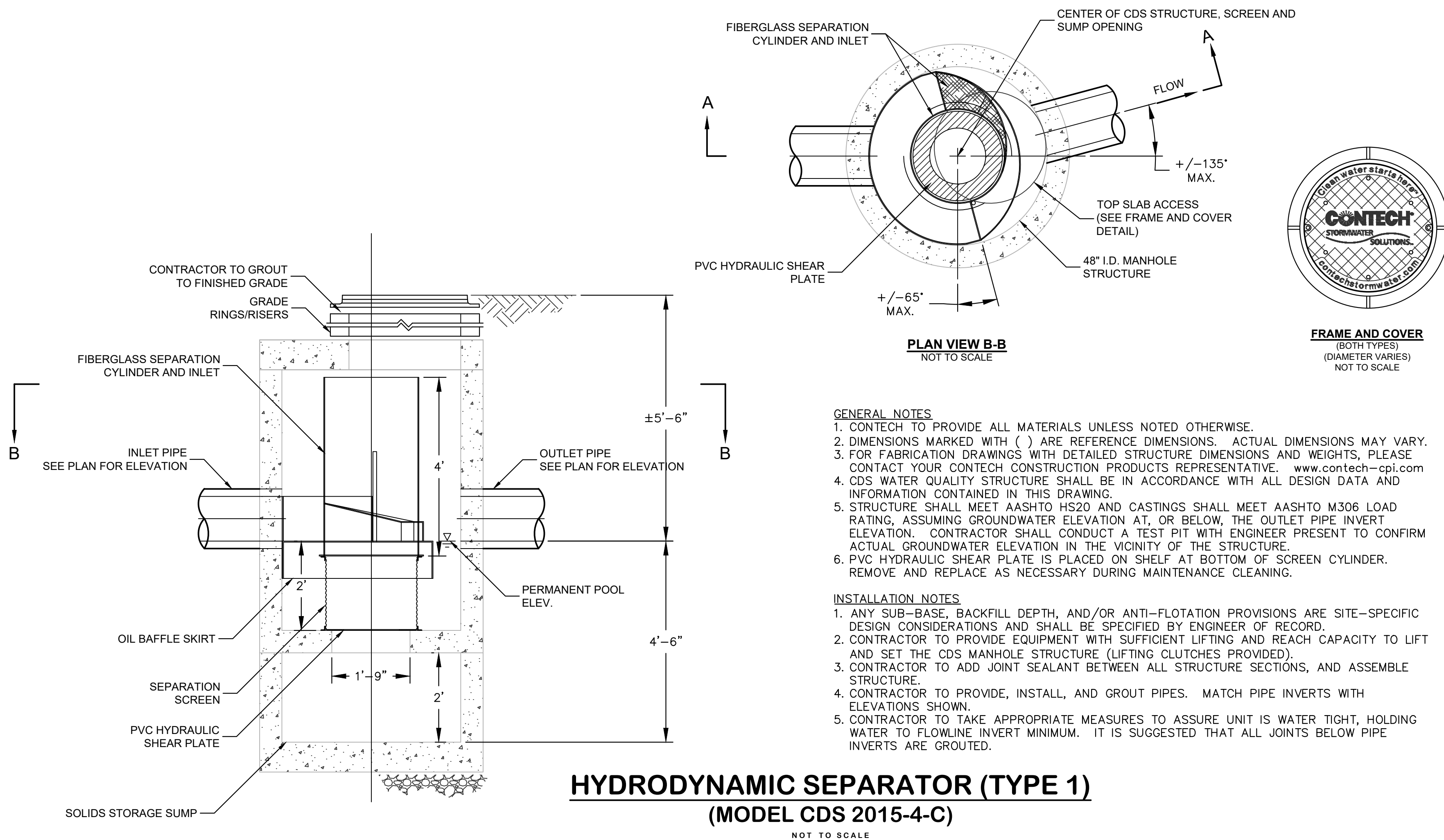
DATUM
HORIZONTAL: NAD83 VERTICAL: NAVD88

PROJECT LOCATION
**GARDNER STREET
MANCHESTER, CT**

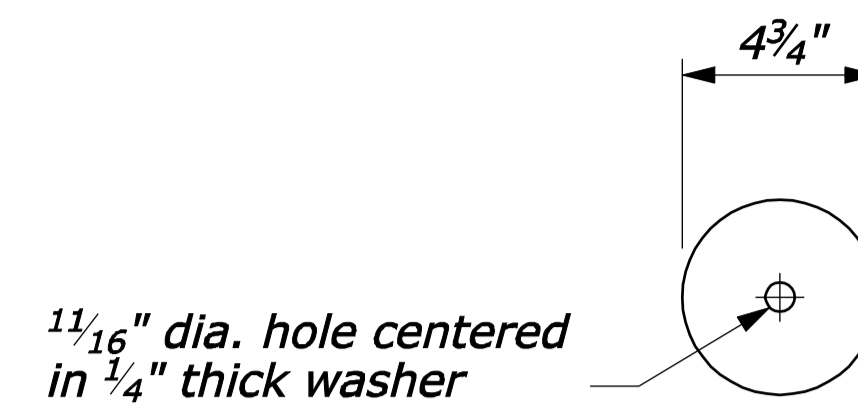
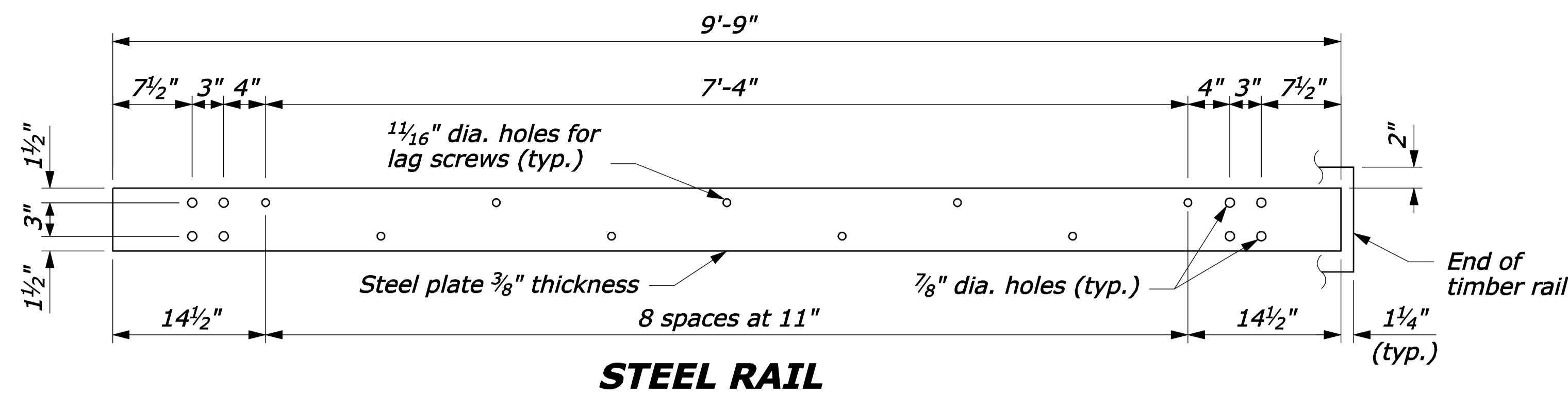
PROJECT TITLE
**GARDNER STREET
RECONSTRUCTION
(FERN ST TO LINE ST)**

SHEET TITLE
DETAILS

SHEET NUMBER
27 of 27

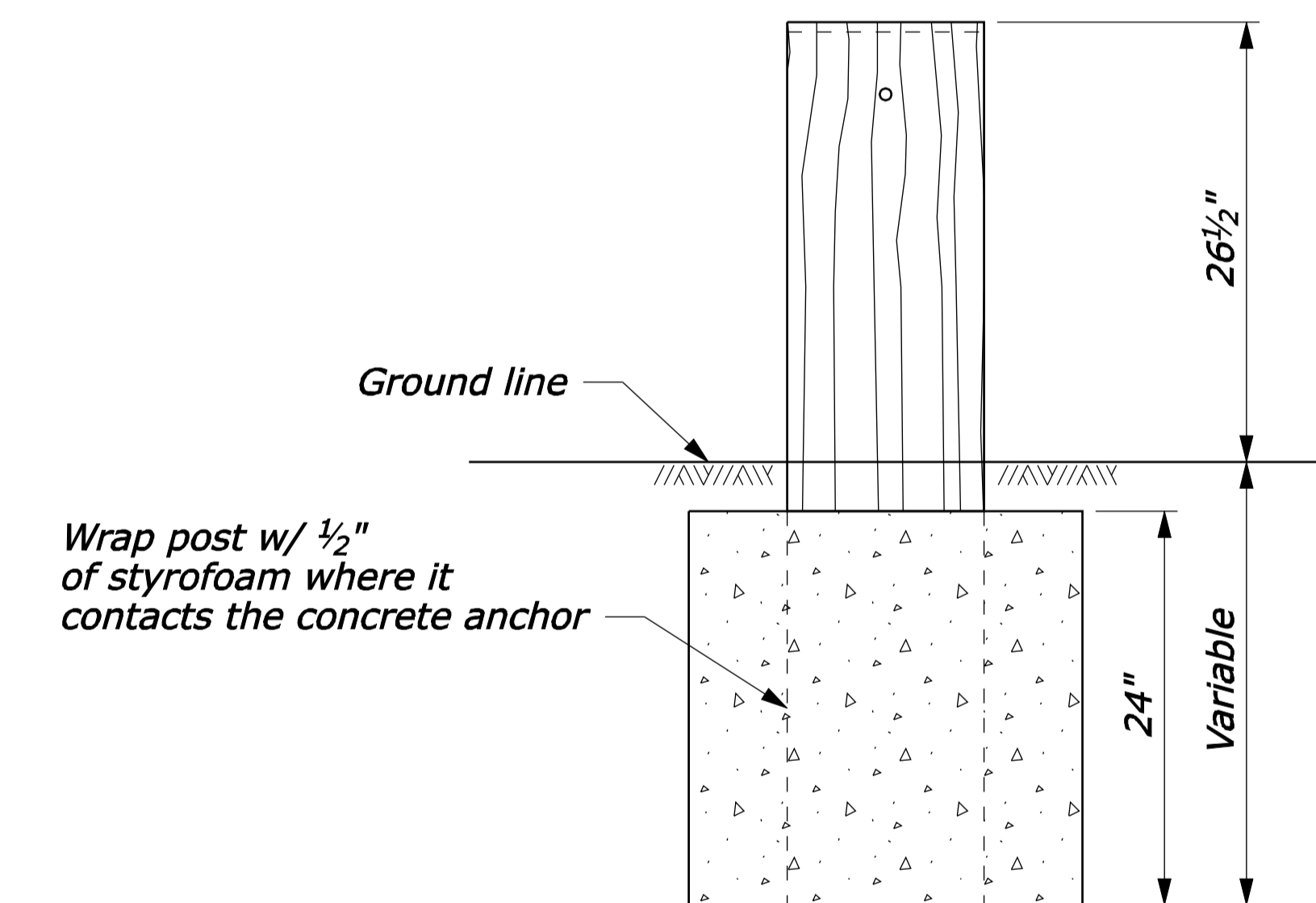
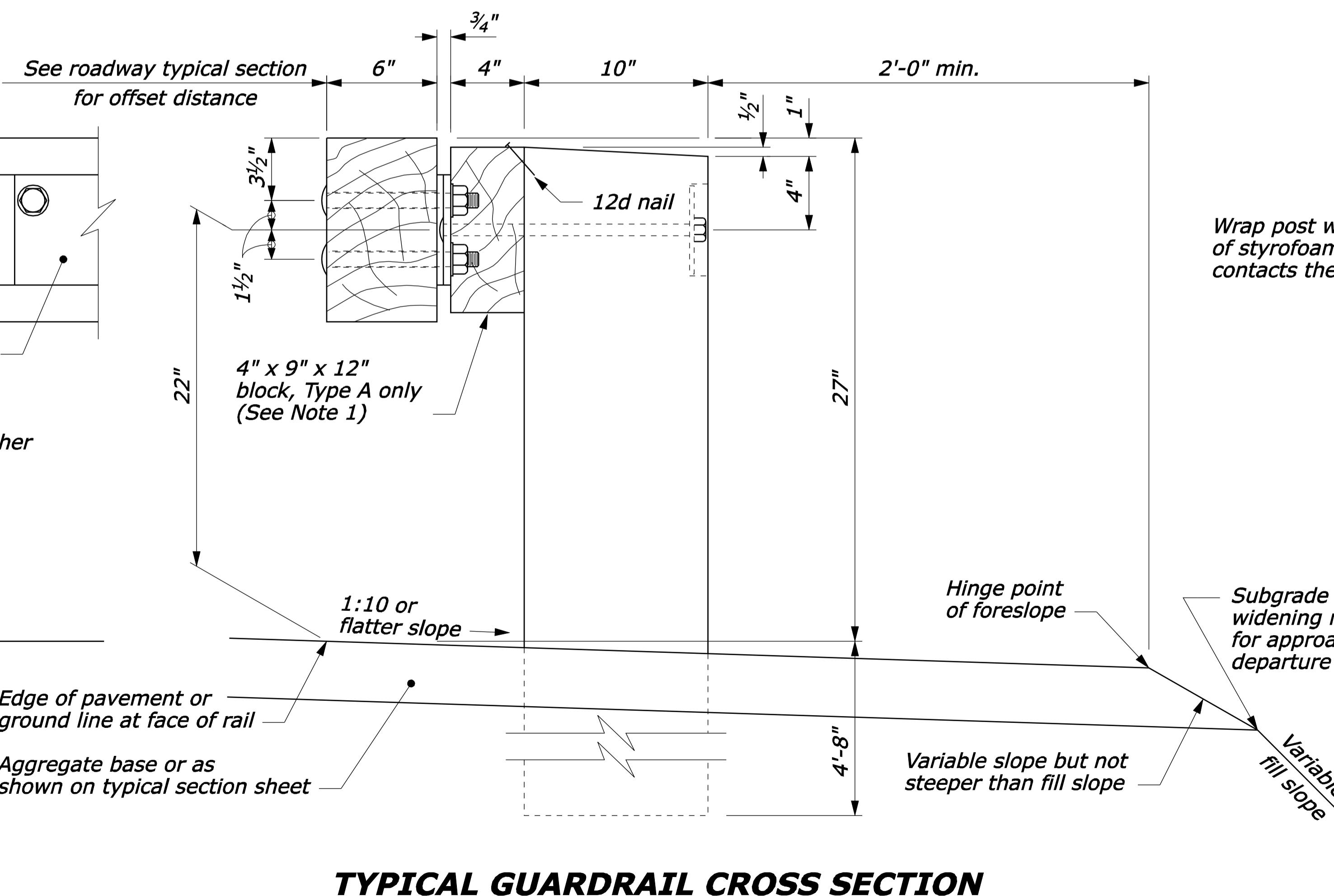
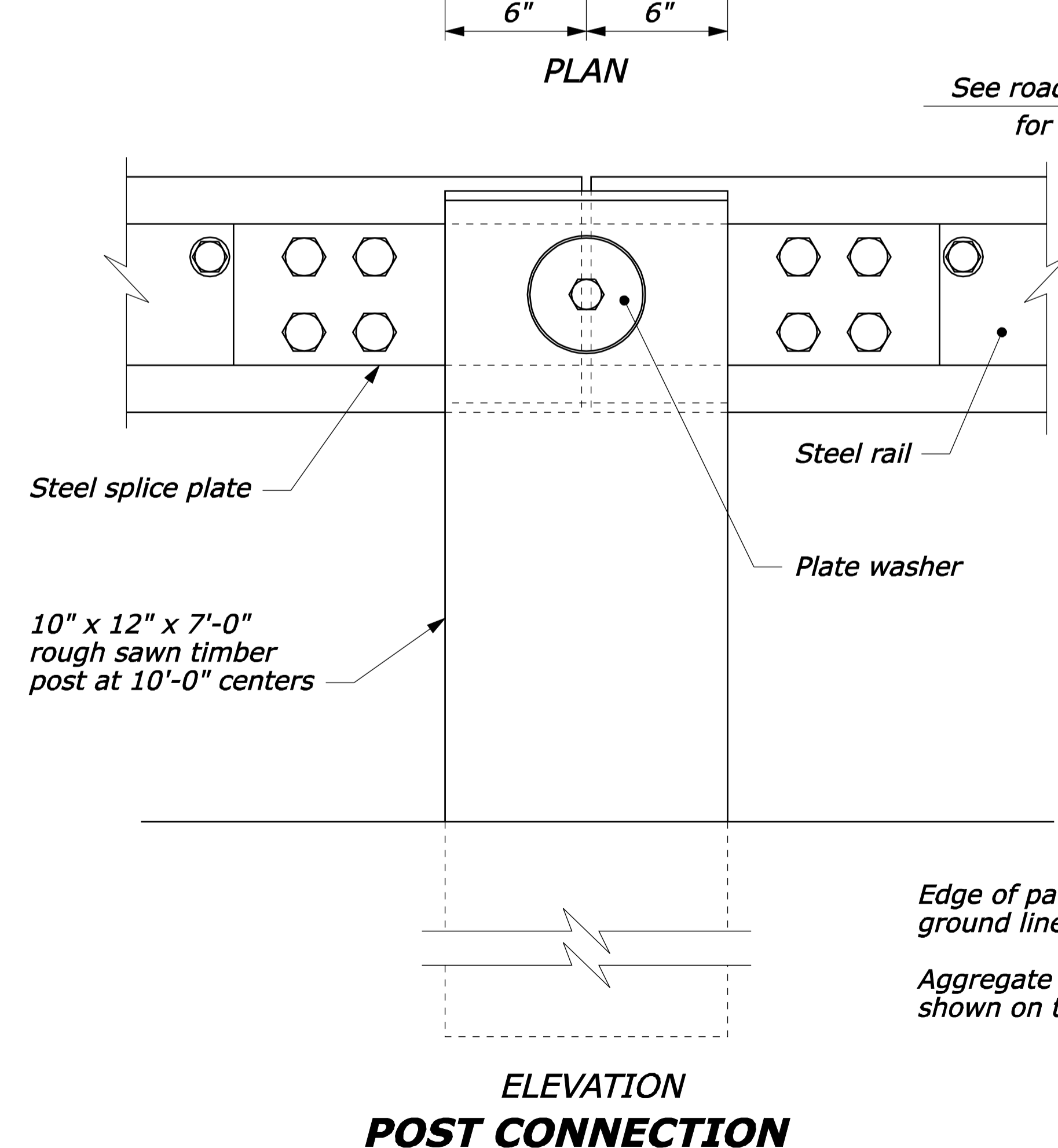
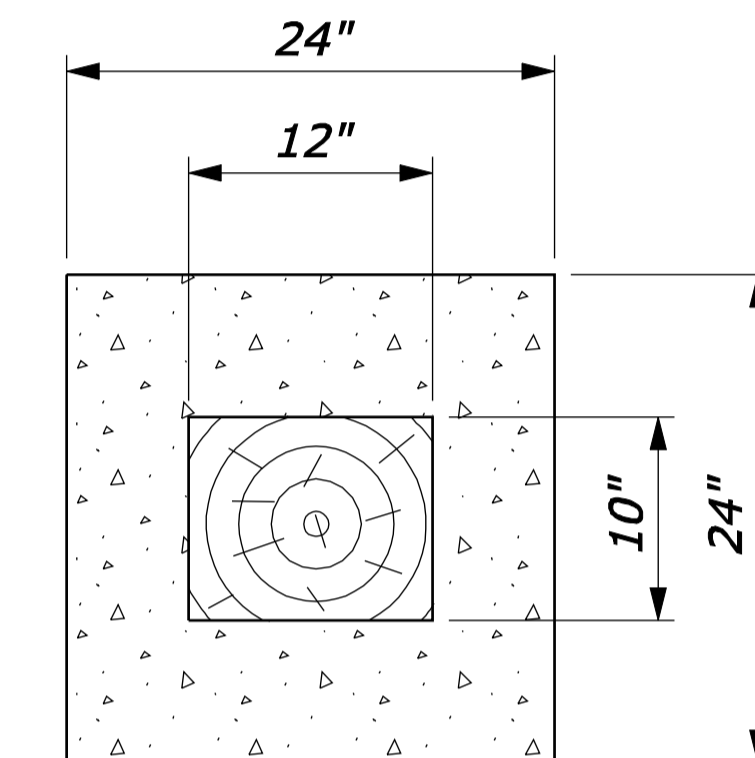
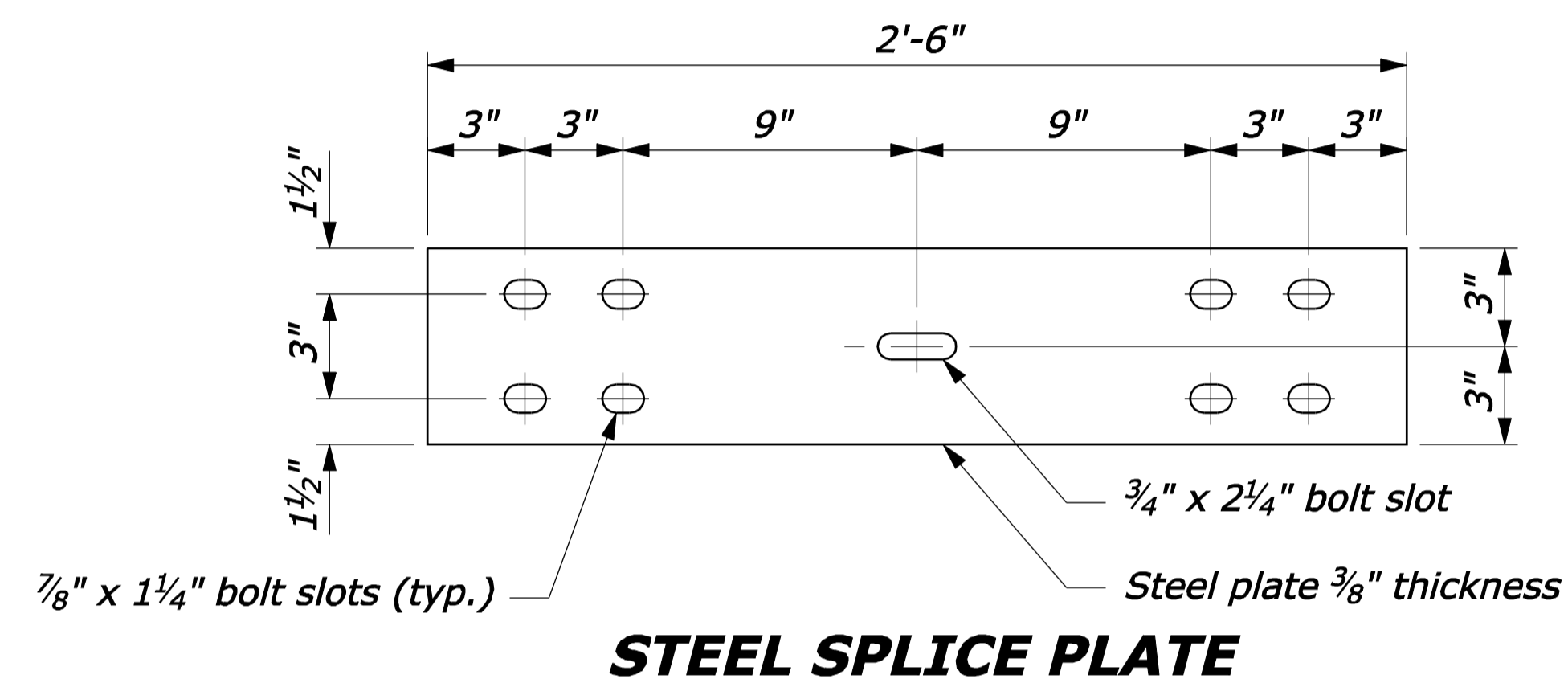
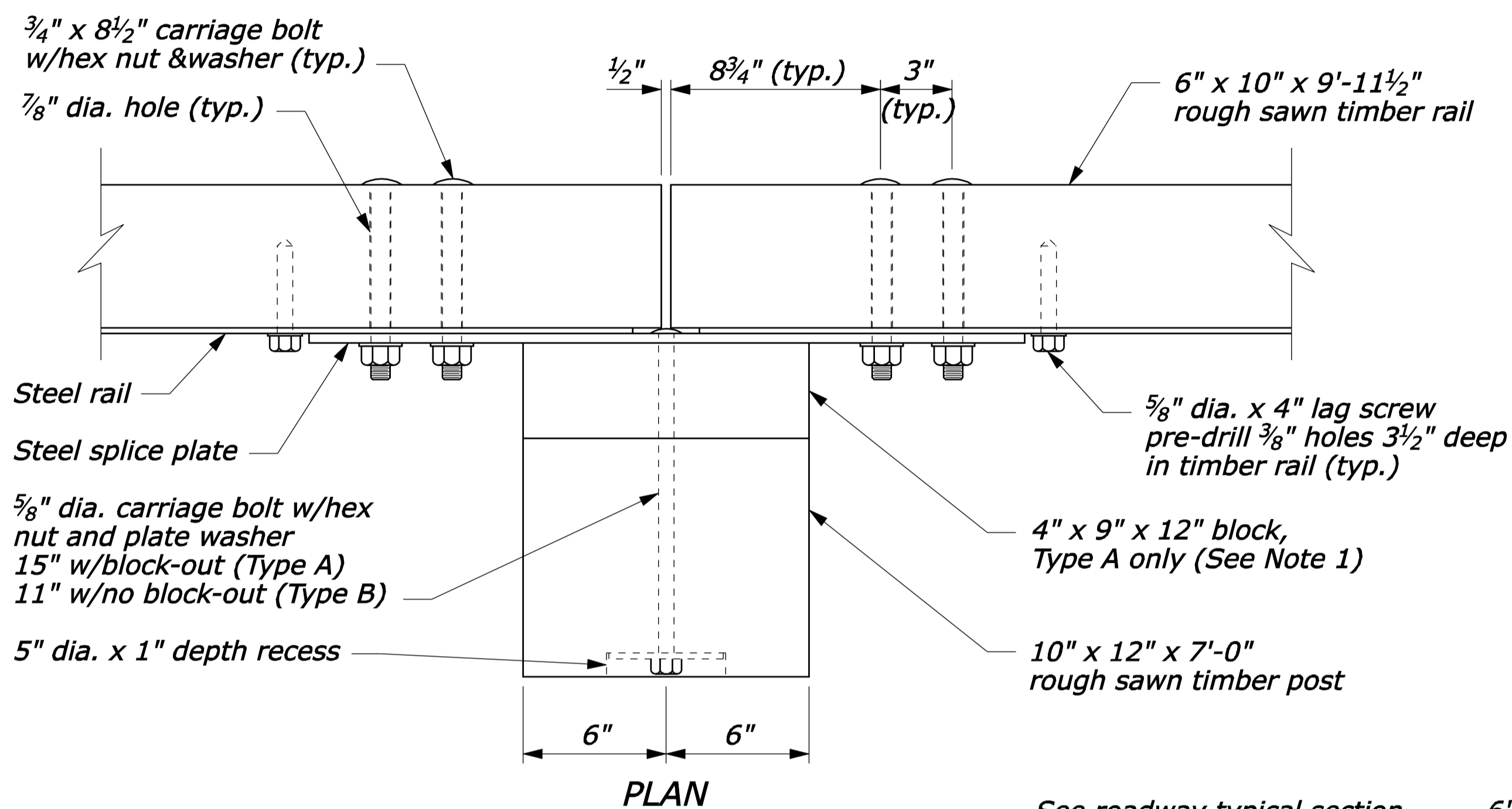


**CONCRETE WINGWALLS
(FOR PIPES LESS THAN OR
EQUAL TO 30" DIAMETER)**
NOT TO SCALE



NOTE:

1. Use the Type A, blocked-out, system or the Type B, non-blocked-out, system as specified in the plans.
2. Use weathering steel for all structural steel and fastener hardware as specified.
3. Place a terminal section (See Standards 617-61 and 617-62) on both approach and trailing ends of barrier installations.

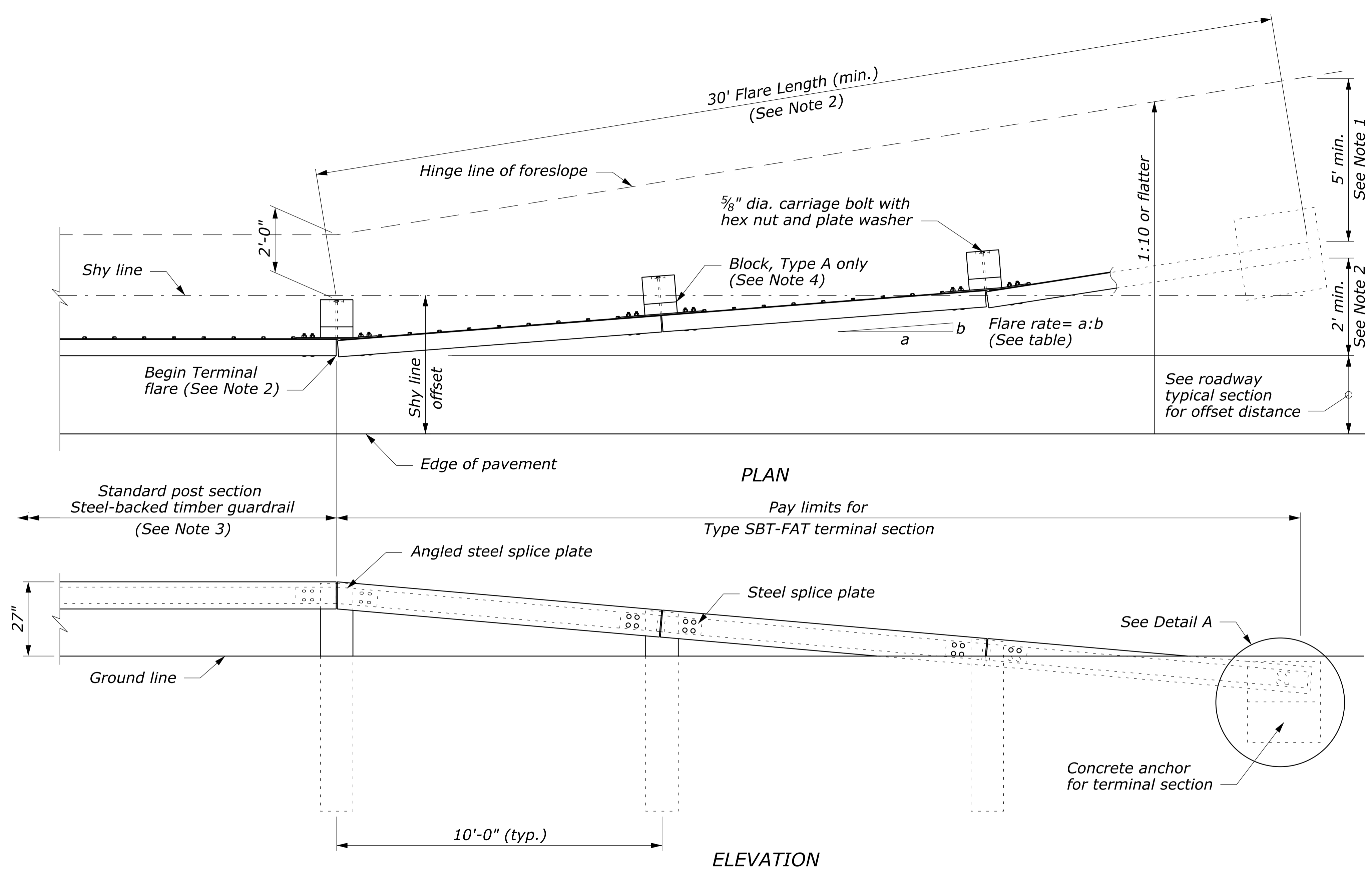


24" dia. round anchor is an acceptable alternative. Reduced size acceptable in solid rock.

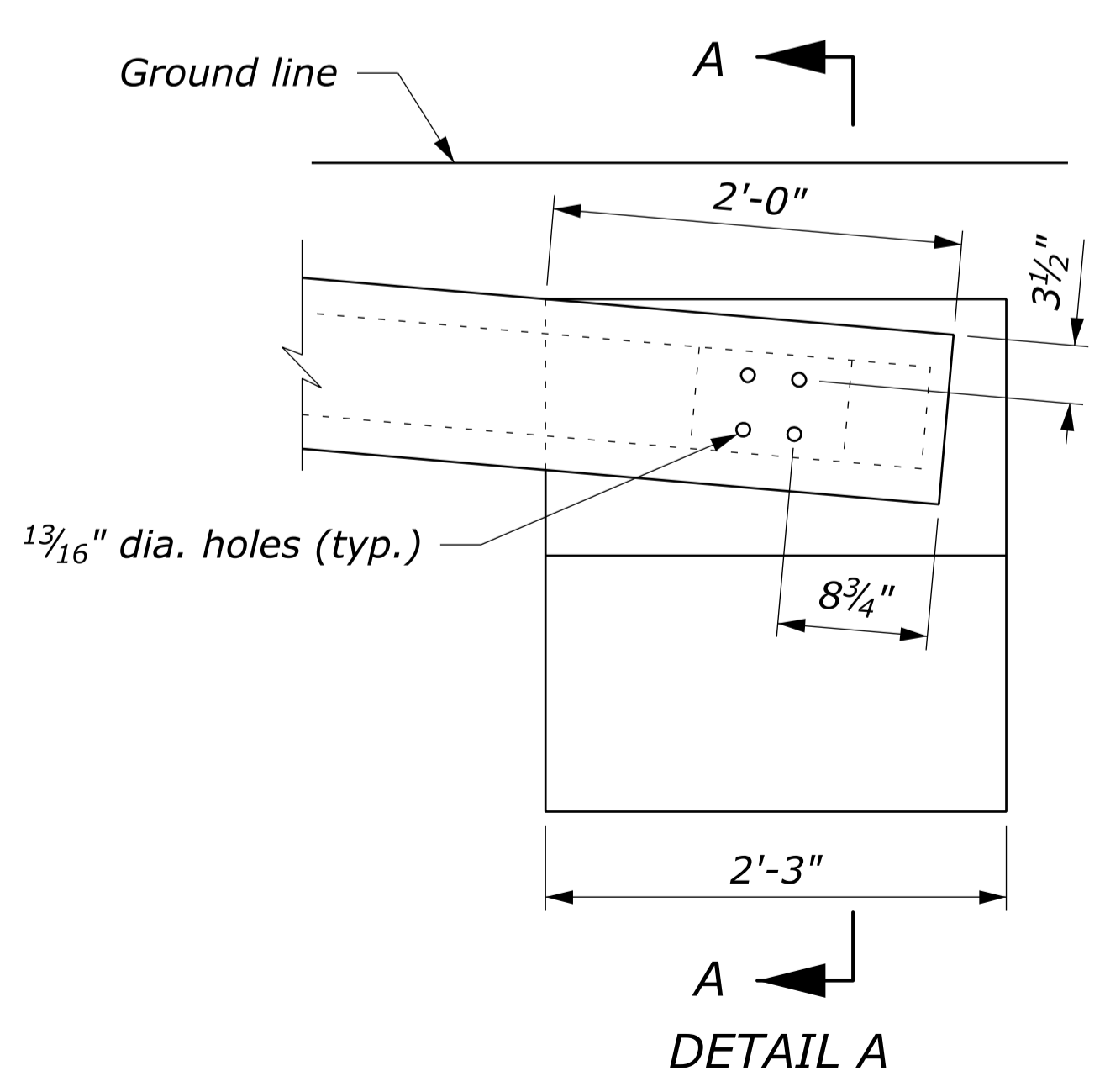
CONCRETE ANCHOR FOR SHORT GUARDRAIL POST

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
STEEL-BACKED TIMBER GUARDRAIL TYPE A & TYPE B	
STANDARD APPROVED FOR USE 3/1990 REVISED: 4/1994 6/2005	STANDARD 617-60

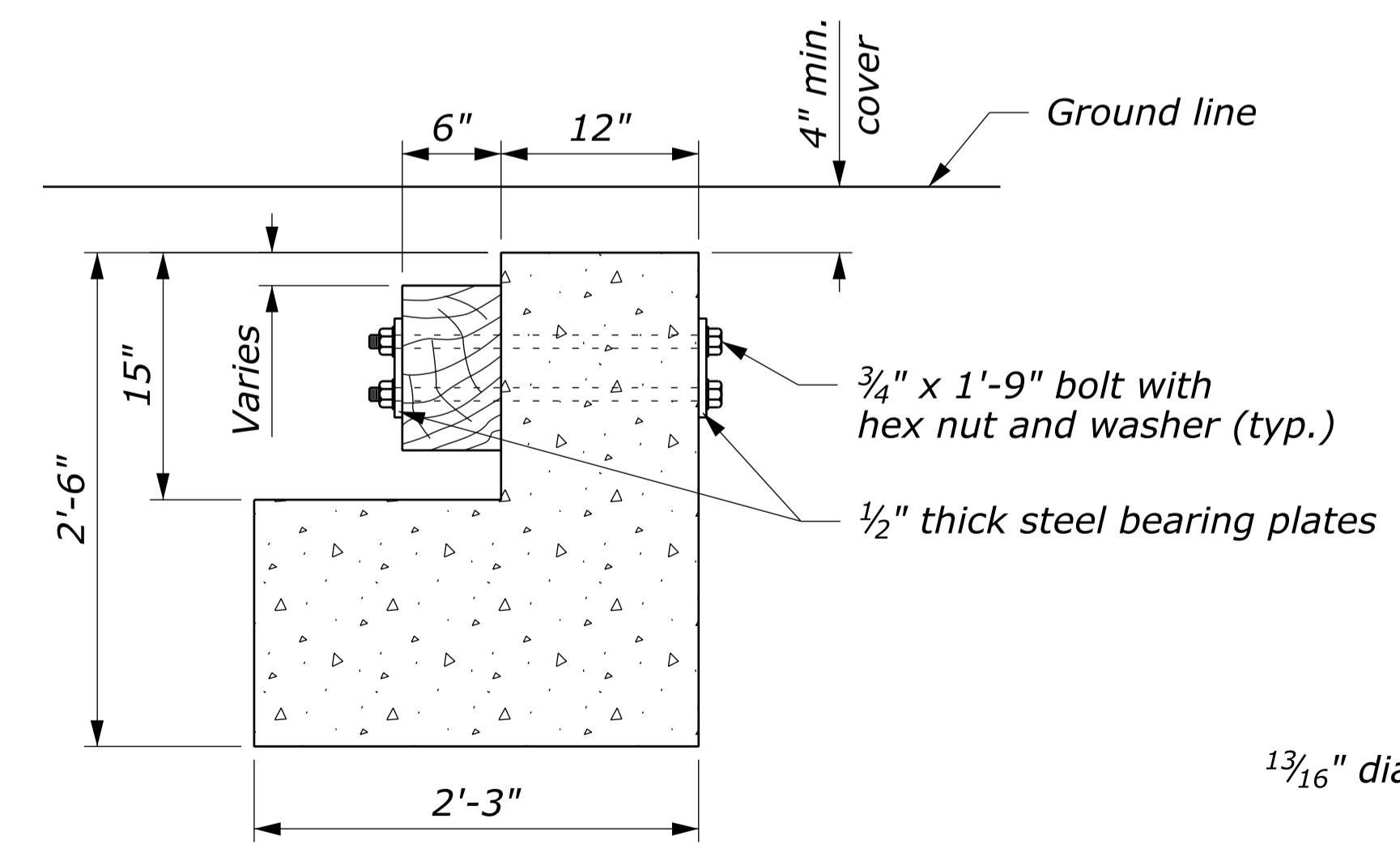
NO SCALE



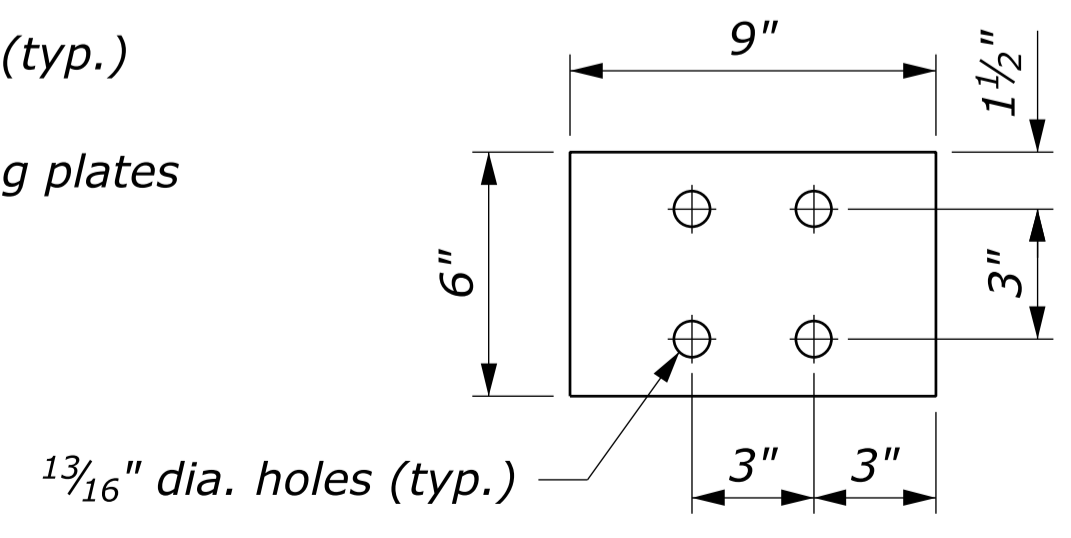
APPROACH & DEPARTURE FLARE WITH FLARED ANCHOR TERMINAL (FAT)



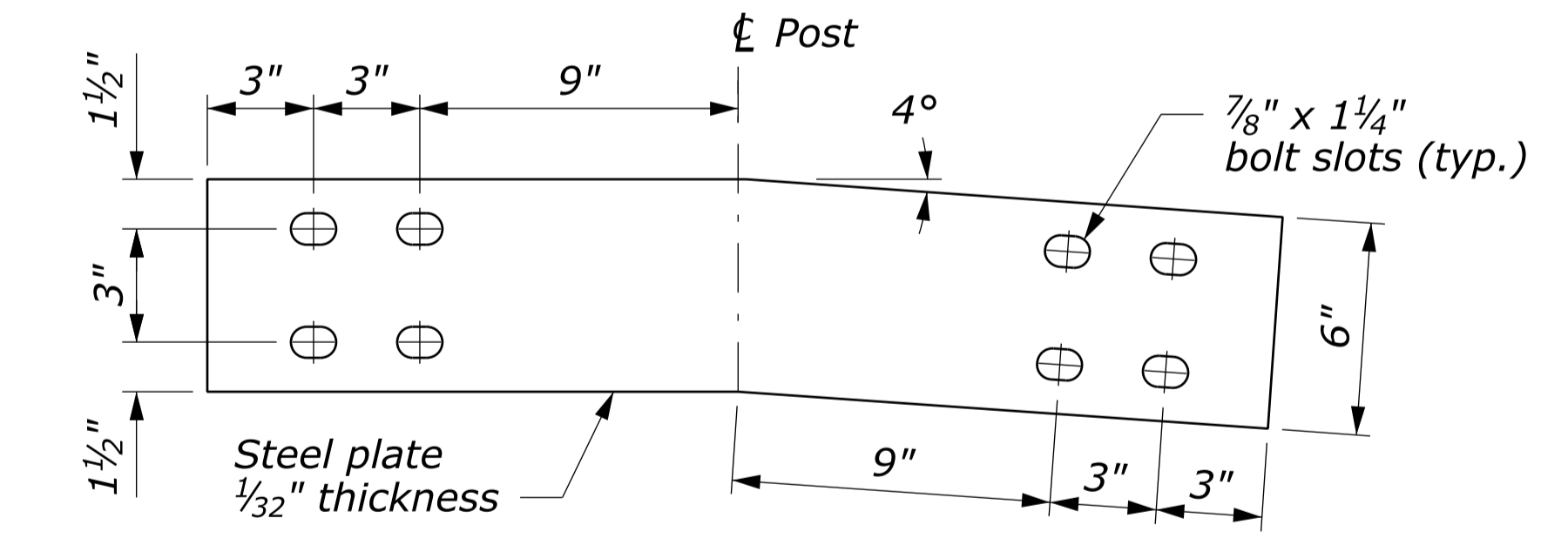
CONCRETE ANCHOR



SECTION A-A



STEEL BEARING PLATE



ANGLED STEEL SPLICE PLATE

NOTE:

1. Extend the fill widening a minimum of 5 feet behind the guardrail, unless otherwise directed by the CO.
2. The guardrail flare shown in the plan view is the minimum length and rate required. As directed by the CO, flare the guardrail so that the terminal section is outside the clear zone. If the terminal section cannot be located outside the clear zone, it should be flared as far as practical from the road at the maximum rate indicated on the Guardrail Flare Rates table.
3. See Standard 617-60, Steel-Backed Timber Guardrail, Type SBT-A and SBT-B, for timber, structural steel, and hardware details.
4. On the Type A, blocked-out guardrail, include the blocks in terminal section, except on the concrete anchor. For the Type B, non-blocked-out guardrail, no blocks are included.

Design Speed (mph)	Shy line offset (ft)	Flare rate inside shy line (a:b)	Flare rate outside shy line (a:b)
60	8.0	26:1	14:1
50	6.5	21:1	11:1
40	5.0	16:1	8:1
30 and less	3.5	13:1	7:1

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

**STEEL-BACKED TIMBER GUARDRAIL
 TERMINAL SECTION
 TYPE SBT-FAT**

STANDARD APPROVED FOR USE 1/1990

REVISSED: 4/1994 6/2005
 DRAFT: 12/2013

STANDARD
 617-61

NO SCALE