

WATER UTILITY TEST PIT DATA (CT WATER)

TEST PIT GENERAL INFO

TEST PIT #	BASELINE		UTILITY DESCRIPTION	RELOCATION ANTICIPATED	WATER MAIN FOUND
	STATION	OFFSET			
W-1	104+15.4	31.926 LT	20" CAST IRON WATER MAIN	YES	NO
W-2	104+17.2	63.598 LT	24" CAST IRON WATER MAIN	YES	NO
W-3	104+12.2	36.096 LT	20" CAST IRON WATER MAIN	YES	NO
W-3B	104+03.2	31.256 LT	20" CAST IRON WATER MAIN	YES	NO
R-3	104+73.2	18.284 LT	10" CAST IRON RAW WATER MAIN	NO	NO

NOTE: AFTER RELOCATION, THE 24" AND 20" WATER MAIN WILL BE ABANDONED IN PLACE

W-1

LOCATION	NORTHING	EASTING	ELEVATION (FT)
PIT BOTTOM	731579.9076	924740.4086	314.987
GROUND	731578.5464	924740.4269	323.379

W-2

LOCATION	NORTHING	EASTING	ELEVATION (FT)
PIT BOTTOM	731610.3325	924749.5445	313.1950
CORNER 1	731607.7492	924752.0392	323.7104
CORNER 2	731609.3794	924745.7020	323.5234
CORNER 3	731614.8815	924747.1970	324.1104
CORNER 4	731613.6592	924753.6786	324.4241

W-3

LOCATION	NORTHING	EASTING	ELEVATION (FT)
PIT BOTTOM	731584.7582	924738.2581	310.8959
CORNER 1	731584.6794	924742.5265	322.3474
CORNER 2	731580.6773	924738.4786	322.7642
CORNER 3	731586.2761	924731.9176	323.3037
CORNER 4	731590.0864	924736.4369	323.0018

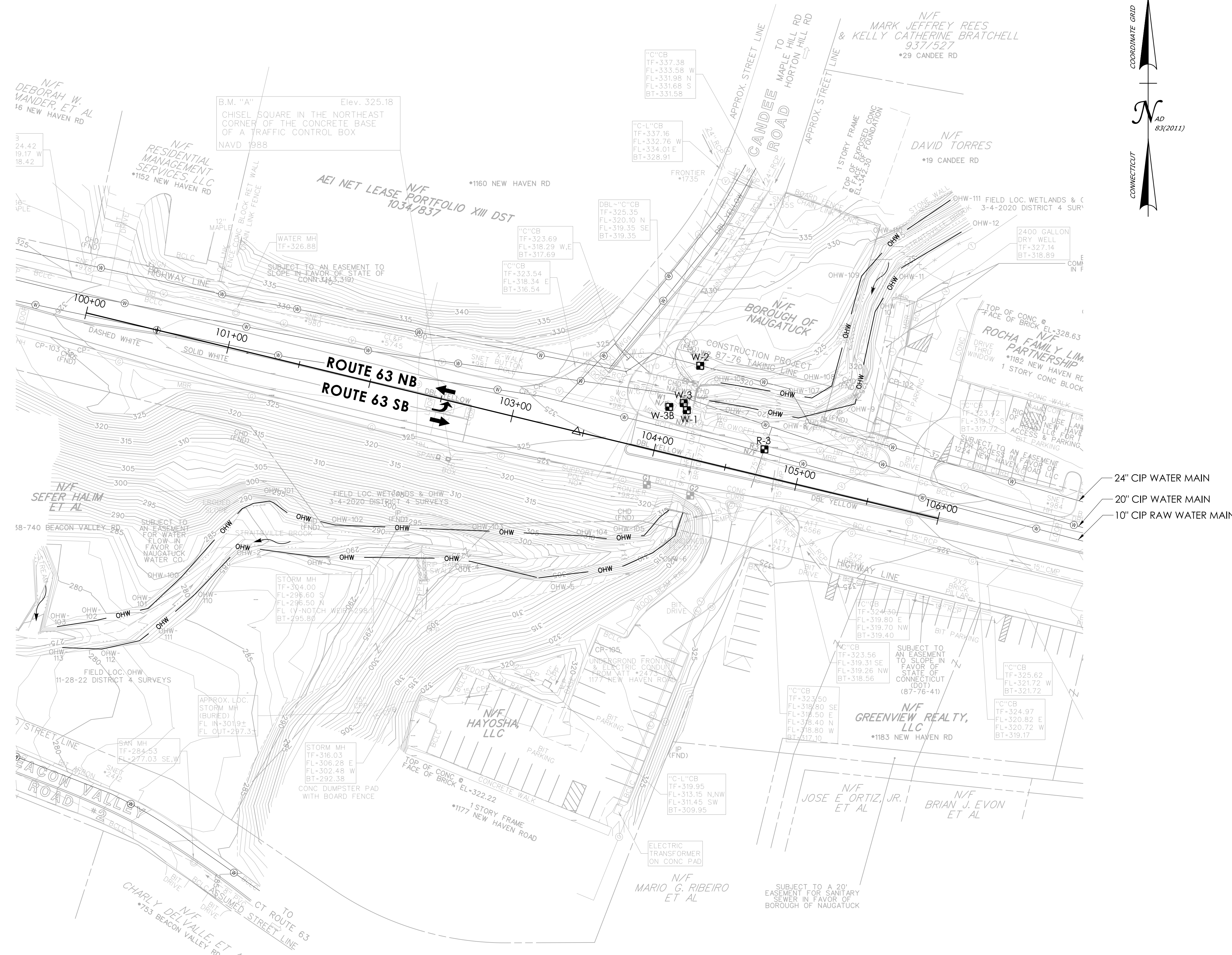
W-3B

LOCATION	NORTHING	EASTING	ELEVATION (FT)
PIT BOTTOM	731582.1540	924728.3728	312.4454
CORNER 1	731580.8799	924725.0417	324.1783
CORNER 2	731578.6350	924730.8135	324.2516
CORNER 3	731583.3684	924733.4398	323.5012
CORNER 4	731586.5652	924727.3654	323.2114

R-3

LOCATION	NORTHING	EASTING	ELEVATION (FT)
PIT BOTTOM	731553.1916	924793.4599	315.501
GROUND	731552.3834	924790.4620	323.722

NOTE: 1" COPPER LATERAL FOUND EXTENDING
FROM 20" WATER MAIN



PLAN - UTILITY TEST PIT LOCATIONS

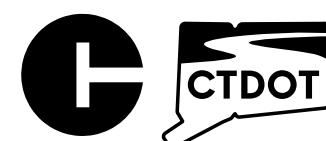
SCALE: 1" = 40'

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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE 63 OVER STRAITSVILLE BROOK

TOWN(S):

NAUGATUCK

DRAWING TITLE:

TEST PIT LOCATION PLAN

PROJECT NO.:

2007-01-10

DRAWING NO.:

CWC-02

SHEET NO.: **07.02**

LASTED SAVED BY: SollysJ FILE NAME: C:\Users\sollys\State of Connecticut\0087-0148 - Design\Bridge\Contract_Plans\FDP\07-CT_Water_FIO\CWC-02_Test_Pits.dgn
PLOTTED DATE: 5/6/2025


NOTE: THIS UTILITY INFORMATION IS BASED ON LIMITED FIELD INVESTIGATIONS AND IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY. IN SOME CASES THE FACILITY WAS NOT COMPLETELY EXPOSED TO POSITIVELY VERIFY ITS SIZE OR MATERIAL TYPE. THE CONTRACTOR IS STILL REQUIRED TO COORDINATE ITS CONSTRUCTION ACTIVITIES SO THAT THE UTILITIES ARE PROTECTED AT ALL TIMES

CONNECTICUT WATER COMPANY

WICA 521 NAUGATUCK TRANSMISSION MAINS PHASE 1

STRAITSVILLE BROOK CROSSING NEW HAVEN ROAD (RT-63) NAUGATUCK, CONNECTICUT

Project:



CONNECTICUT WATER
COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK
TRANSMISSION MAINS PHASE 1

STRAITSVILLE BROOK CROSSING
CT ROUTE 63
NEW HAVEN ROAD
NAUGATUCK, CT



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Consultants:

Seal:

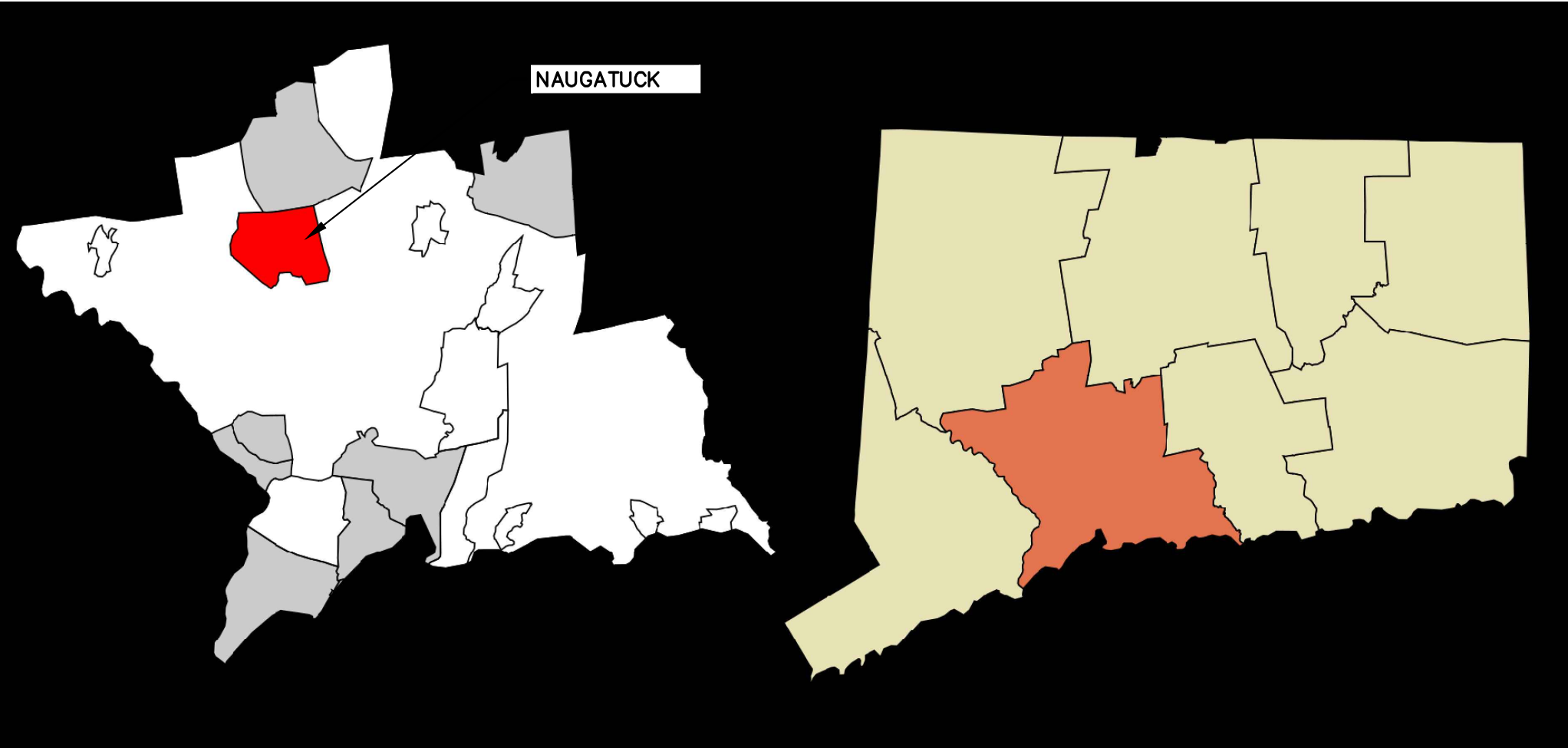
Revisions:		
Rev	Date	Description

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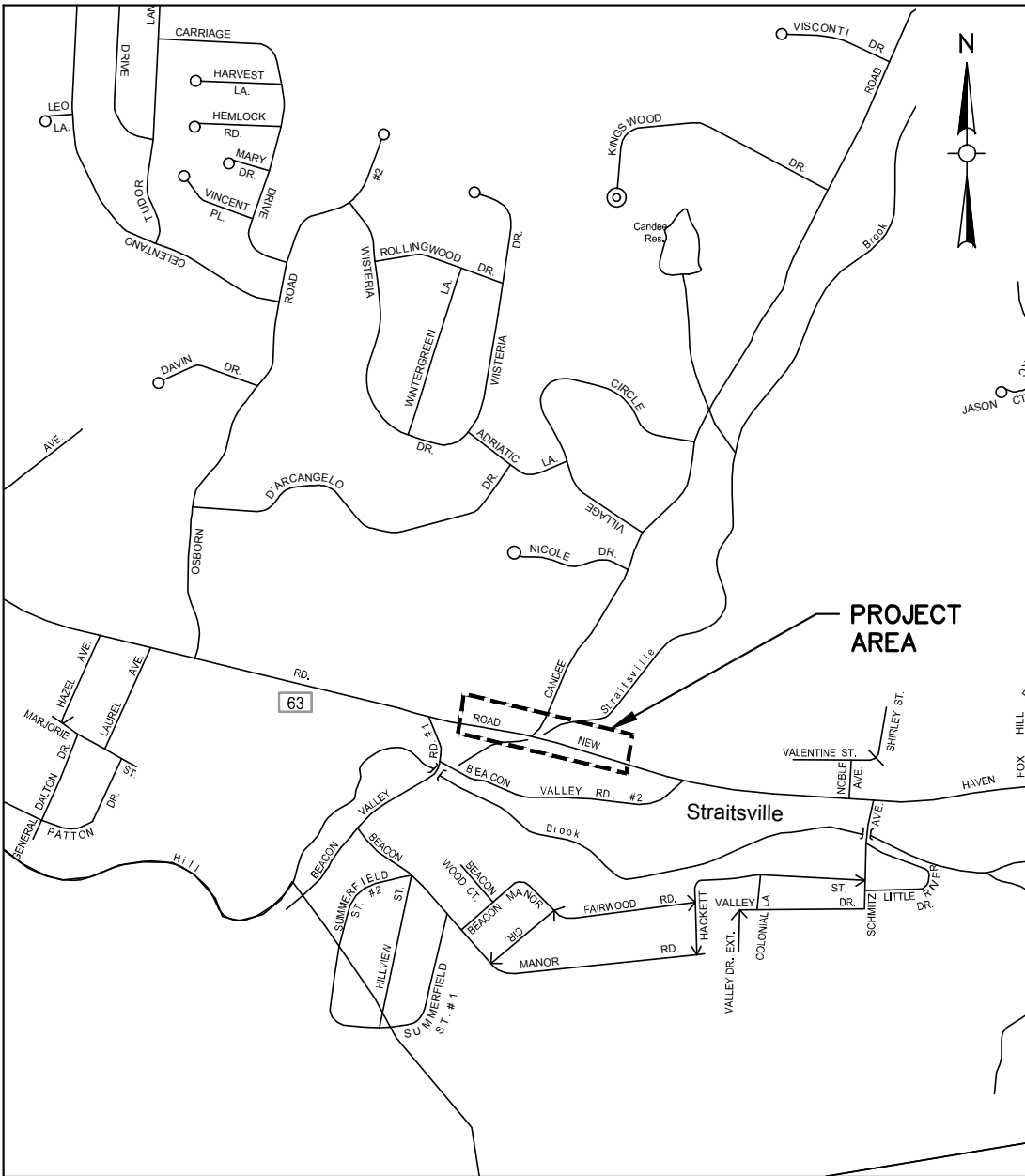
COVER SHEET

Sheet Number:

T100



CONNECTICUT MUNICIPAL MAP
SCALE: N.T.S.



SITE LOCATION MAP
SCALE: 1"=1000'

DRAWING INDEX

DRAWING NO.	TITLE
T100	COVER SHEET
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C301	SITE PLAN
C901	CIVIL AND SITE DETAILS
C902	CIVIL AND SITE DETAILS
C903	CIVIL AND SITE DETAILS
S100	WATER MAIN SUPPORT NOTES
S200	WATER MAIN SUPPORT ELEVATION AND DETAILS

REV.	DATE	REVISION DESCRIPTION

LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	S	S
FORCE MAIN	FM	6"FM DI
WATER MAIN	W	W
ROOF LEADER		
STORM DRAIN	D	D
FOOTING DRAIN		FD
GAS	G	G
VENT LINE		V
ELECTRIC	E	E
TELEPHONE	T	T
OVERHEAD UTILITIES	OH	OH
SANITARY SEWER MANHOLE	S	S
STORM DRAIN MANHOLE	D	D
ELECTRICAL MANHOLE	E	EMH
TELEPHONE MANHOLE	T	TMH
AIR RELEASE VALVE MANHOLE		ARMH
FORCE MAIN CLEANOUT MANHOLE		FMCO
CLEANOUT		CO
CATCH BASIN	CB	CB
HYDRANT		H
HAND HOLE	HH	HH
GATE VALVE	DGV	DGV
CHECK VALVE	DCHV	DCHV
CURB STOP	CS	CS
BUTTERFLY VALVE	BV	BV
BALL VALVE	BV	BV
REDUCER	R	R
CAP OR PLUG	C	C
GAS GATE VALVE	DGGV	DGGV
UTILITY POLE	U	U
LIGHT POST	LP	LP
EDGE OF PAVEMENT	EP	EP
SAWCUT		
CURB	CR	CR
SIDEWALK	SW	SW
PROPERTY LINE ALONG STONE WALL		
REMAINS OTHER STONE WALL		
RETAINING WALL	RV	RET WALL
BOLLARD	B	B
SHRUB/BUSH	SB	SB
HANDICAP SPACE	HS	HS
TREE LINE	TL	TL
SURVEY MARKER	SM	SM
LIMIT OF WORK	LOW	LOW
100' UPLAND WETLANDS REVIEW		
SPOT ELEVATIONS	X.X'	X141.5
CONTOUR LINES	10'	10'
DEPRESSION CONTOUR LINES		
HOUSE NUMBER	#35	
RIP RAP		
METAL GUIDE RAIL		
SIGN	S	S
TEST PIT	TP	TP
BORING	B-1	B-1
CHAIN LINK FENCE		
SILTATION FENCE		
COMPOST FILTER TUBE		
ROCK OUTCROP		
SWALE AND FLOW DIRECTION		
GUY WIRE		
MONITORING WELL	MW	MW
WETLAND FLAG	W20	W20
GRAVEL AREA		
BACKWASH LINE	BW	BW

NOTE: ITEMS SHOWN IN THE LEGEND AND ABBREVIATIONS MAY NOT BE PRESENT IN THESE PLANS.

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
ARV	AIR RELEASE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BCLC	BITUMINOUS CONCRETE LIP CURB
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BO	BLOW OFF
BV	BUTTERFLY VALVE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
CL	CENTERLINE
CL	CEMENT LINED
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CT	CONNECTICUT
CTDOT	CONNECTICUT DEPARTMENT OF TRANSPORTATION
CU FT	CUBIC FEET
CY	CUBIC YARD
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DMH	DRAIN MANHOLE
DWG	DRAWING
E	EAST, ELECTRIC
EA	EACH
EF	EACH FACE
EL/ELEV	ELEVATION
E.M	ELECTRICAL METER
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST	EXISTING
FE	FLARED END
FF	FINISHED FLOOR
FL	FLOW LINE
FLG	FLANGE
FT	FEET, FOOT
G	NATURAL GAS
GALV	GALVANIZED
GC	GRANITE CURB
GR	GRANITE
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
INV	INVERT
IWC	INTERMITTENT WATER COURSE
ID	INSIDE DIAMETER
IP	IRON PIPE
LB	POUND
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
N/A	NOT APPLICABLE
NE	NORTH EAST
NW	NORTH WEST
NF	NOT FOUND
N/F	NOW OR FORMERLY
NO OR #	NUMBER
N.T.S.	NOT TO SCALE
PCB	PROPOSED CATCH BASIN
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
PDMH	PROPOSED DRAINAGE MANHOLE
PE	PLAIN END, POLYETHYLENE
PED	PEDESTRIAN
P	PROPERTY LINE
PL	PLATE
PSMH	PROPOSED SANITARY MANHOLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RET.	RETAINING
RL	ROOF LEADER
ROW	RIGHT-OF-WAY
RQD	ROCK QUALITY
RW	RAW WATER
S	SEWER, SOUTH
SC	SITE CONTRACTOR
SE	SOUTH EAST
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SMH	SANITARY SEWER MANHOLE
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
STA	STATION
STL	STEEL
SW	SIDEWALK,SOUTH WEST
T	TELEPHONE
TBM	TEMPORARY BENCH MARK
TF	TOP OF FRAME
THK	THICK (NESS)
TW	TREATED WATER
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST
W/	WITH
W/O	WITHOUT

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG" (CBYD) AT 1-800-922-4455 OR 811 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE (CBYD) PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. 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. CONTRACTOR SHALL DIG TEST PITS AS NEEDED TO LOCATE THESE ITEMS. DIGGING OF TEST PITS SHALL BE INCIDENTAL TO THE PROJECT AND AT NO COST TO THE OWNER.
3. 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 AT NO COST TO THE OWNER.
4. ALL PAVEMENT AND AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. 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 4400 PSI AT 28 DAYS.
6. CONCRETE THRUST BLOCKS, ANCHOR BLOCKS, OR APPROVED JOINT RESTRAINT METHODS SHALL BE PROVIDED FOR WATER MAINS WHERE ANY BENDS, TEES, PLUGS, OR WYES ARE INSTALLED. FOR THRUST BLOCK DETAILS AND MINIMUM BLOCK BEARING AREAS, SEE DETAILS.
7. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS OR WATERCOURSE.
8. ALL VALVE AND FITTING JOINTS SHALL BE RESTRAINED WITH MEGA-LUG RETAINING GLANDS ACCORDANCE WITH CT WATER CO. STANDARDS. IN ADDITION THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS AND TEES IN ACCORDANCE WITH CT WATER CO. STANDARD DETAIL.
9. AT ALL CHANGE IN DIRECTIONS FIELD LOCK GASKETS SHALL BE INSTALLED AT A MINIMUM OF 2 FULL PIPE LENGTHS EACH SIDE OF THE FITTING AND 3 FULL PIPE LENGTHS FOR DEAD ENDS AND BLOW OFFS.
10. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND COORDINATE ALL EQUIPMENT BETWEEN THE DIFFERENT CONSTRUCTION DISCIPLINES FOR LOCATION, SIZE, SERVICEABILITY, SUPPORT SYSTEMS, CONNECTIONS (PIPING, BRIDGE MODIFICATIONS, STRUCTURAL SUPPORTS, ETC.), INCIDENTALS AND ANY AND ALL OTHER COMPONENTS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM MEETING THE APPROVAL OF THE ENGINEER.
11. CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO FULLY UNDERSTAND ALL THE CONDITIONS PERTAINING TO THE WORK, UNDERSTAND DIFFICULTIES TO BE ENCOUNTERED, UNDERSTAND THE SCOPE OF THE DEMOLITION WORK FOR ALL SYSTEMS WHETHER SHOWN OR DESCRIBED AT NO ADDITIONAL COST TO THE OWNER. THE EXACT LOCATION OF EXISTING PIPE, VALVES, VAULTS, SERVICES, ETC. ARE TO BE FIELD VERIFIED.
12. CONTRACTOR TO VERIFY ALL DIMENSIONS, CLEARANCES, ELEVATIONS, AND SIZES OF EXISTING PIPES AND STRUCTURES.
13. DEMOLITION DEBRIS MATERIAL SHALL IMMEDIATELY BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS UNLESS OTHERWISE REQUIRED BY THE OWNER.
14. IF UNSUITABLE MATERIAL IS ENCOUNTERED IN STRUCTURAL AREAS OR AREAS OF PROPOSED PAVEMENT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
15. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROLS FOR THE DURATION OF THE PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE FURNISHED, INSTALLED, MAINTAINED, AND REPLACED BY THE CONTRACTOR AS NEEDED TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
16. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS AND STANDARDS OF THE APPLICABLE LOCAL UTILITY COMPANY.
17. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITTING AND MAINTAINING COMPLIANCE WITH THOSE INDICATED IN THE SPECIFICATION.
18. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF CONNECTICUT WATER, AND THE TOWN OF NAUGATUCK. SITE WORK SHALL CONFORM TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (FORM 819), AS AMENDED.
19. ALL DISTURBED AREAS SHALL BE REESTABLISHED WITH LOAM AND SEED IN ACCORDANCE WITH SPECIFICATIONS LOAMING AND SEEDING, UNLESS OTHERWISE CALLED FOR ON THE CONTRACT DRAWINGS.

Project:



CONNECTICUT WATER
COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK
TRANSMISSION MAINS PHASE 1

STRAITSVILLE BROOK CROSSING
CT ROUTE 63
NEW HAVEN ROAD
NAUGATUCK, CT



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Consultants:

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Revisions:

Rev	Date	Description
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Issued For: REVIEW
NOT FOR CONSTRUCTION

Date: APRIL 2025

Drawn By: KJM

Reviewed By: RGT

Approved By: RGT

W&S Project No: ENG23-2759

Drawing Title:

ABBREVIATIONS,
NOTES, AND
LEGEND

Sheet Number:

C100

SIGNATURE BLOCK:

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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE
63 OVER STRAITSVILLE BROOK

TOWN(S):

NAUGATUCK

DRAWING TITLE:

CT WATER RELOCATION PLANS

PROJECT NO.:

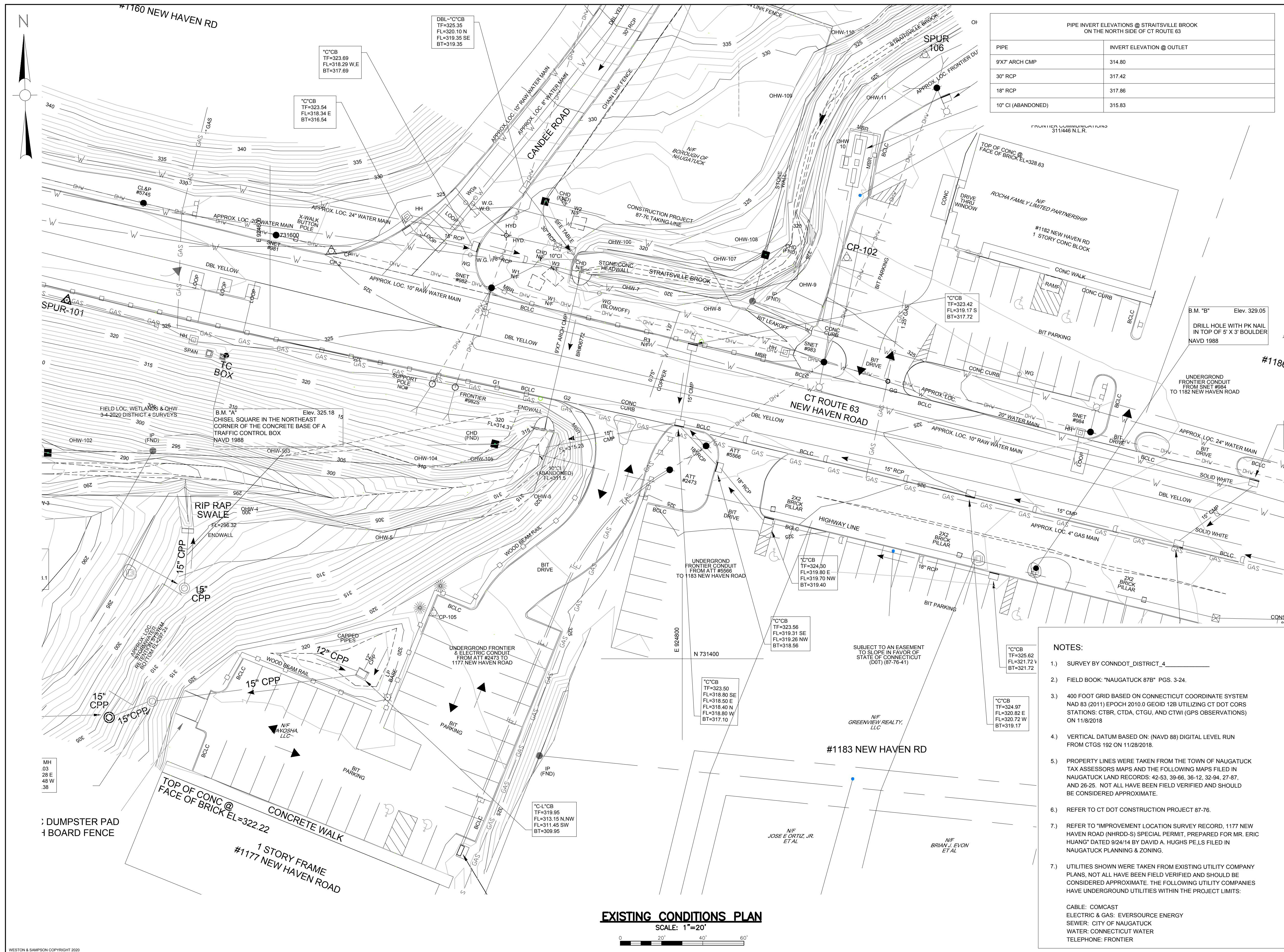
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DRAWING NO.:

CWC-04

SHEET NO.:

07.04



Project:

Connecticut Water

CONNECTICUT WATER COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK TRANSMISSION MAINS PHASE 1

STRAITSVILLE BROOK CROSSING
CT ROUTE 63
NEW HAVEN ROAD
NAUGATUCK, CT

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Rev	Date	Description

Revisions:

Issued For: REVIEW NOT FOR CONSTRUCTION

Drawing Title:

EXISTING CONDITIONS PLAN

Sheet Number:

C200

REV	DATE	REVISION DESCRIPTION

EROSION CONTROL NOTES

PROJECT DESCRIPTION

THE PROJECT INVOLVES THE INSTALLATION OF AN 16" WATER MAIN, AND ALL RELATED PAVING AND VEGETATIVE RESTORATION. THE PROJECT IS LOCATED ALONG ROUTE 63 AND INCLUDES A CROSSING OVER STRAITSVILLE BROOK IN NAUGATUCK, CONNECTICUT.

WATER EROSION CONTROL MEASURES

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). 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 SITE PLAN (SEE LEGEND FOR CONTROL STRUCTURE SYMBOL). NOTE: ALL WATER CONTROL MEASURES ARE LOCATED DOWN-GRADIENT FROM DISTURBED AREAS. IF TOPSOIL IS TO BE STORED IN AN AREA NOT SHOWN ON THE SITE PLAN, DUE TO UNFORESEEN EVENTS, PRIOR TO STORING, THE DOWN-GRADIENT PERIMETER OF THE STORAGE AREA SHALL BE PROPERLY PROTECTED PER THE SPECIFICATIONS DETAILED ON THIS PLAN.

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.

CONSTRUCTION LITTER CONTROL

DURING CONSTRUCTION, ALL WRAPPINGS, BOXES, SCRAPS OF BUILDING MATERIAL, AND OTHER LITTER ITEMS SHALL BE DISPOSED OF PROPERLY BY USE OF A DUMPSTER OR CARTED AWAY. THE SITE SHALL BE INSPECTED AND CLEANED DAILY DURING CONSTRUCTION.

TYPICAL CONSTRUCTION SEQUENCE

PRIOR TO THE DEVELOPMENT OF THE PARCEL, EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED AS SHOWN ON PLAN. A TYPICAL SEQUENCE OF DEVELOPMENT IS:

1. CLEARLY DEFINE AND FLAG THE LIMITS OF CONSTRUCTION. ALL WORK IS TO BE PERFORMED WITHIN THE LIMIT OF WORK.
2. HOLD PRE-CONSTRUCTION MEETING (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455)
3. INSTALL PERIMETER EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH THE PLANS.
4. STOCKPILES SHALL BE SECURED WITH EROSION AND SEDIMENT CONTROLS.
5. INSTALL PROPOSED WATER MAIN SUPPORT PIERS, BEAMS AND APPURTENANCES.
6. INSTALL PROPOSED WATER MAIN PIPING AND VALVES AS INDICATED ON THE PLANS.
7. TEST AND DISINFECT NEW WATER MAIN.
8. BACKFILL, COMPACT AND FINE GRADE AND PAVE DISTURBED ROADWAY AREAS.
9. APPLY STABILIZATION MEASURES (TOPSOIL, SEEDING, ETC.) TO REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL DETAILS.
10. AFTER ENTIRE SITE IS STABILIZED IN ACCORDANCE WITH THE APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS (E.G. SILT FENCES).

SEEDING

ALL DISTURBED AREAS SHALL BE RESTORED WITH A VEGETATIVE STABILIZATION MATERIAL (GRASS). THE SOIL SHALL BE ADJUSTED TO A PH OF 6.7 OR HIGHER. THIS CAN BE DONE BY USING THE APPROPRIATE AMOUNT OF GROUND LIMESTONE OR FERTILIZER, AS REQUIRED BY A SOIL TEST. IF A 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 BY EITHER HAND, CYCLONE SEEDER, A CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING BOTH SEED AND FERTILIZER). HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE. REFER TO SPECIFICATION 32 91 19 FOR THE REQUIRED SEED MIX. 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.

MULCH

MULCH SHALL CONSIST OF 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 SHALL BE COMPLETE 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.

GENERAL NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, OR LATEST REVISION.

ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.

EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO SITE WORK. IF IT IS NOT POSSIBLE TO DO SO, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN ORDER TO MAINTAIN THE INTEGRITY OF DESIGN.

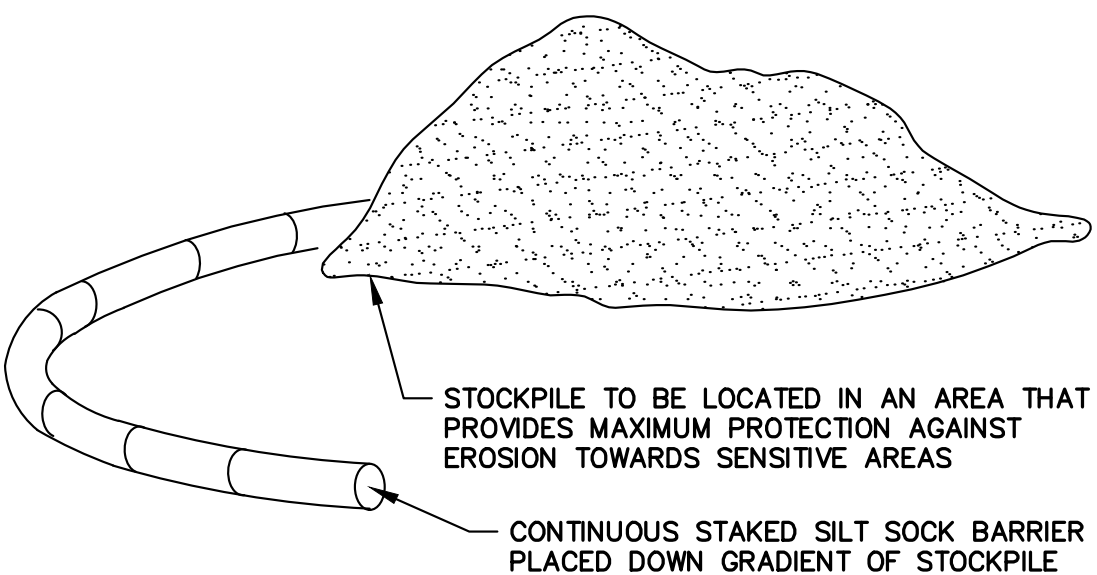
ALL CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY, ADDITIONAL CONTROL MEASURES SHALL BE TAKEN.

ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FIBER FILTER FABRIC, COMPOST FILTER TUBES OR SILTATION FENCE SHALL BE USED IN THE AREAS SHOWN ON THE SITE PLAN AND INSTALLED AS SHOWN ON THIS PLAN.

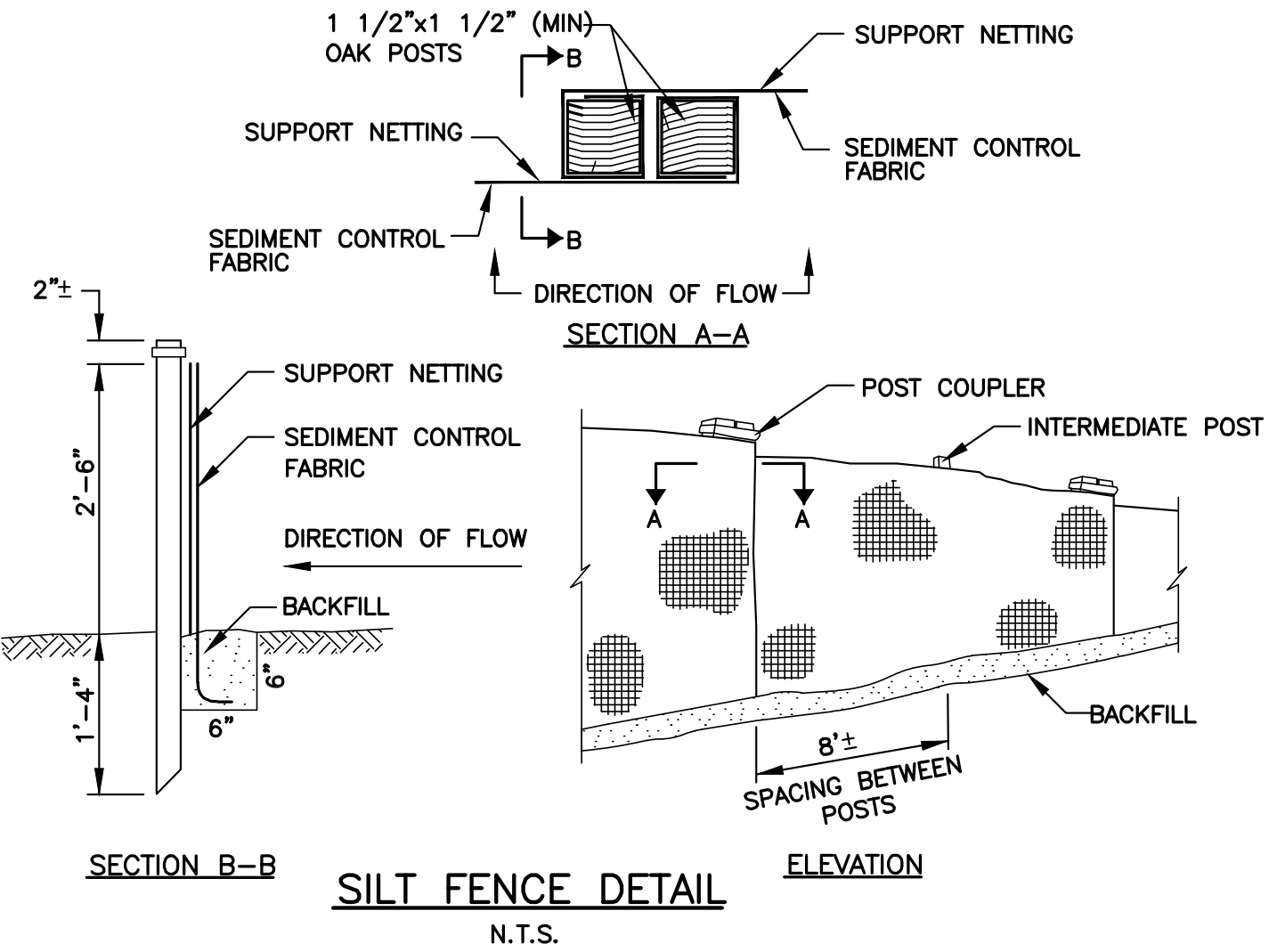
CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES. THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES. TWO WEEKS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT A WORKING PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN.

THE OWNER SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENTATION CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO ENSURE THE FEASIBILITY OF THE ADDITION, SUBTRACTION, OR CHANGE IN THE PLAN.

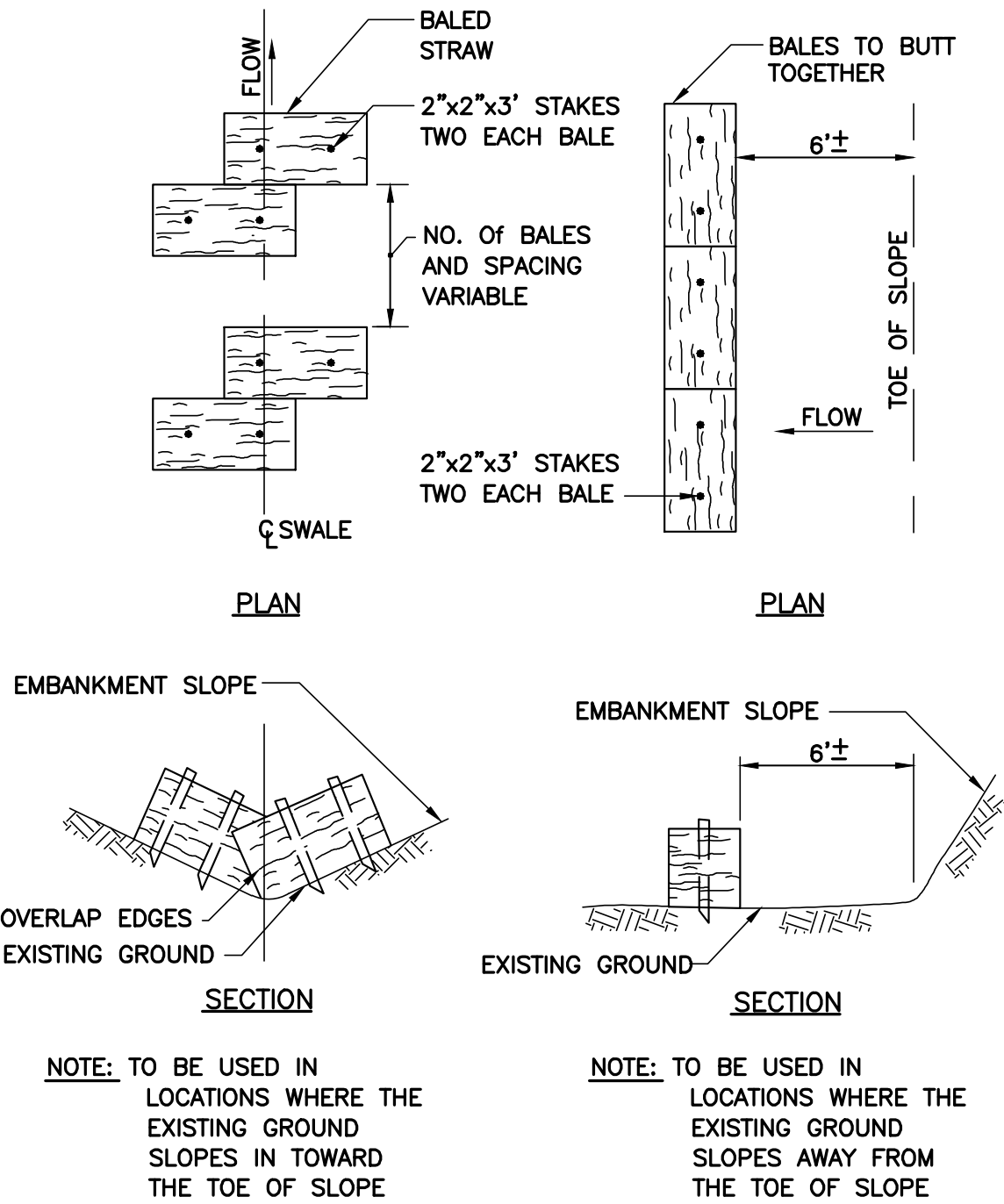
CONTRACTOR SHALL INSPECT SEDIMENTATION CONTROL MEASURES FOR SEDIMENT AFTER RAINSTORMS OF 1/4 INCH OR MORE AND CLEAN AS NEEDED. ENSURE THAT ENTIRE SITE IS CLEANED OF DEBRIS AND SEDIMENT UPON COMPLETION OF WORK.



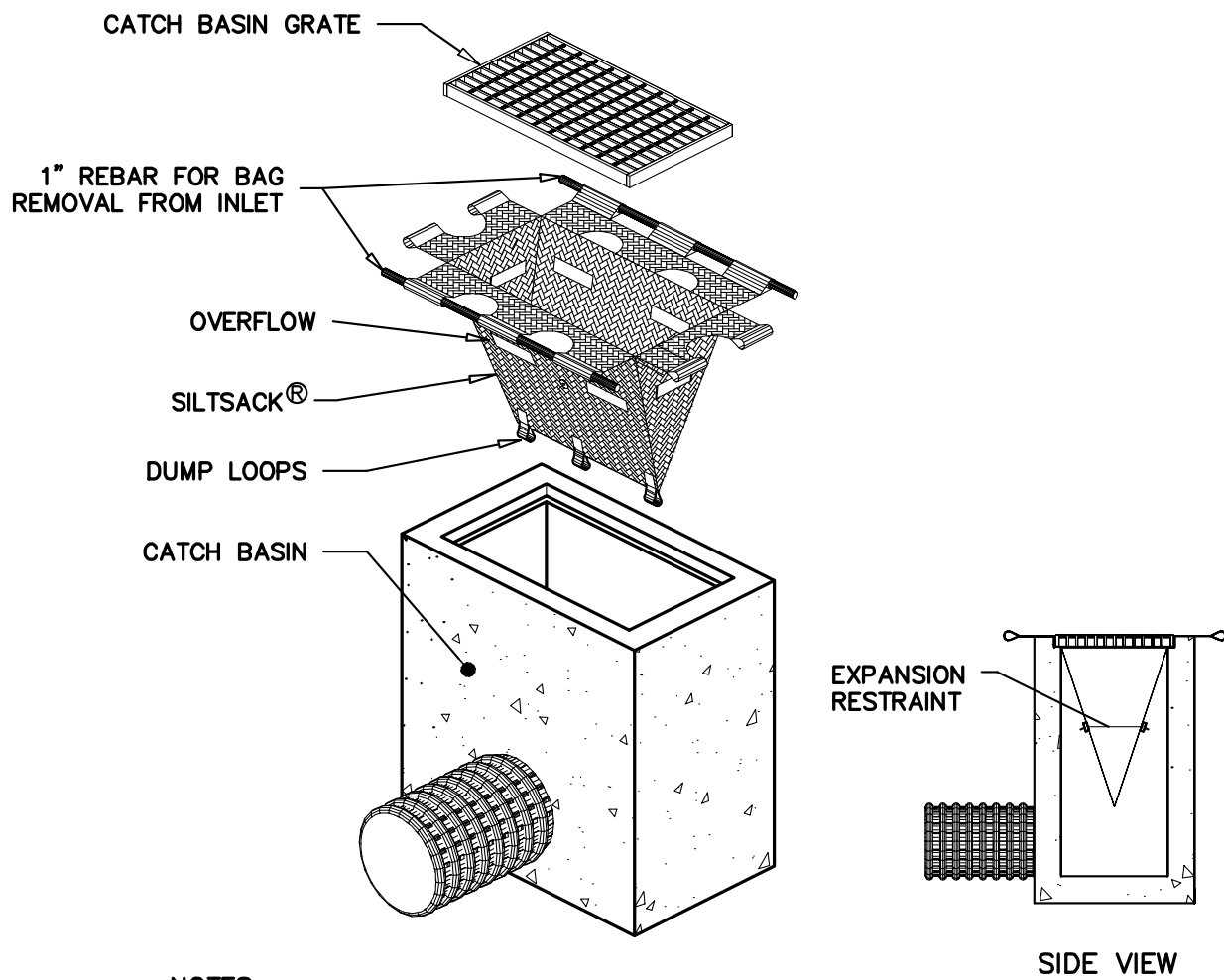
TEMPORARY STOCKPILE DETAIL
N.T.S.



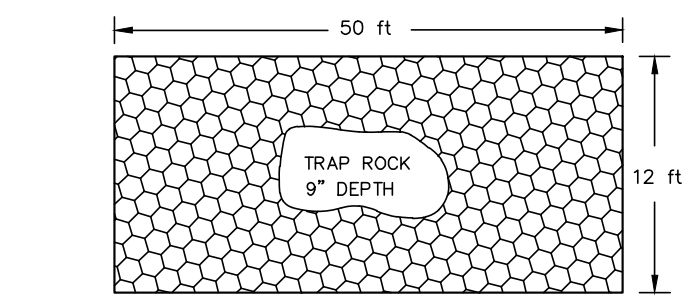
SILT FENCE DETAIL
N.T.S.



STRAW BALES DETAIL
N.T.S.



CATCH BASIN INLET PROTECTION
N.T.S.



ANTI-TRACK PAD
N.T.S.

Project:

Connecticut Water
COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK
TRANSMISSION MAINS PHASE 1
CT ROUTE 63
NEW HAVEN ROAD
NAUGATUCK, CT

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Consultants:

Seal:

Revisions:		
Rev	Date	Description

Issued For: REVIEW NOT FOR CONSTRUCTION

Date: APRIL 2025
Drawn By: KJM
Reviewed By: RGT
Approved By: RGT
W&S Project No: ENG23-2759

Drawing Title:

CIVIL AND SITE
DETAILS

Sheet Number:

C901

REVISION DESCRIPTION			
REV	DATE	DESCRIPTION	BY

SIGNATURE BLOCK:

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DESIGNER/DRAFTER: JJS CHECKED BY: NJM



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE
63 OVER STRAITSVILLE BROOK

TOWN(S):

NAUGATUCK

DRAWING TITLE:

CT WATER RELOCATION PLANS

PROJECT NO.:

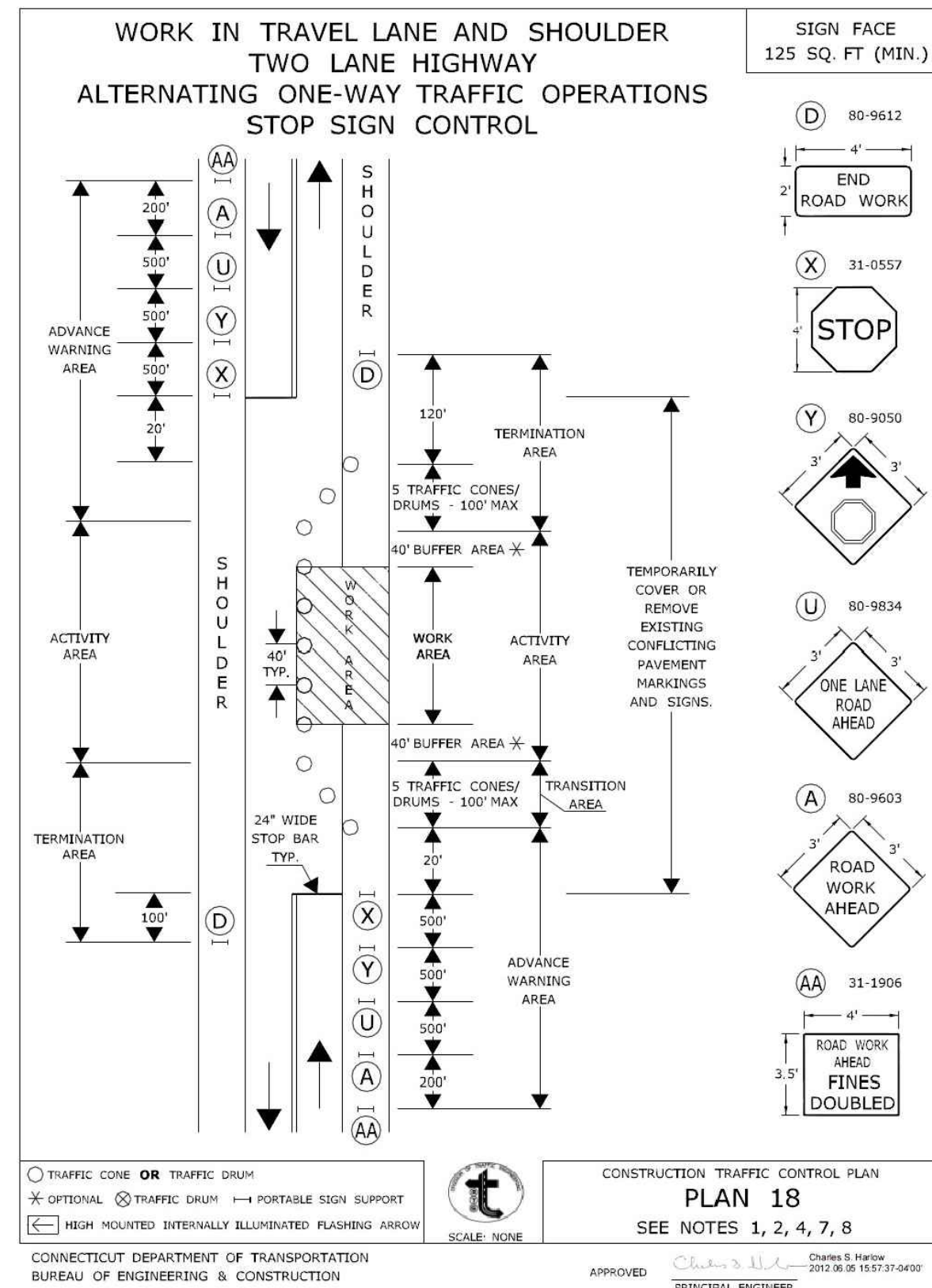
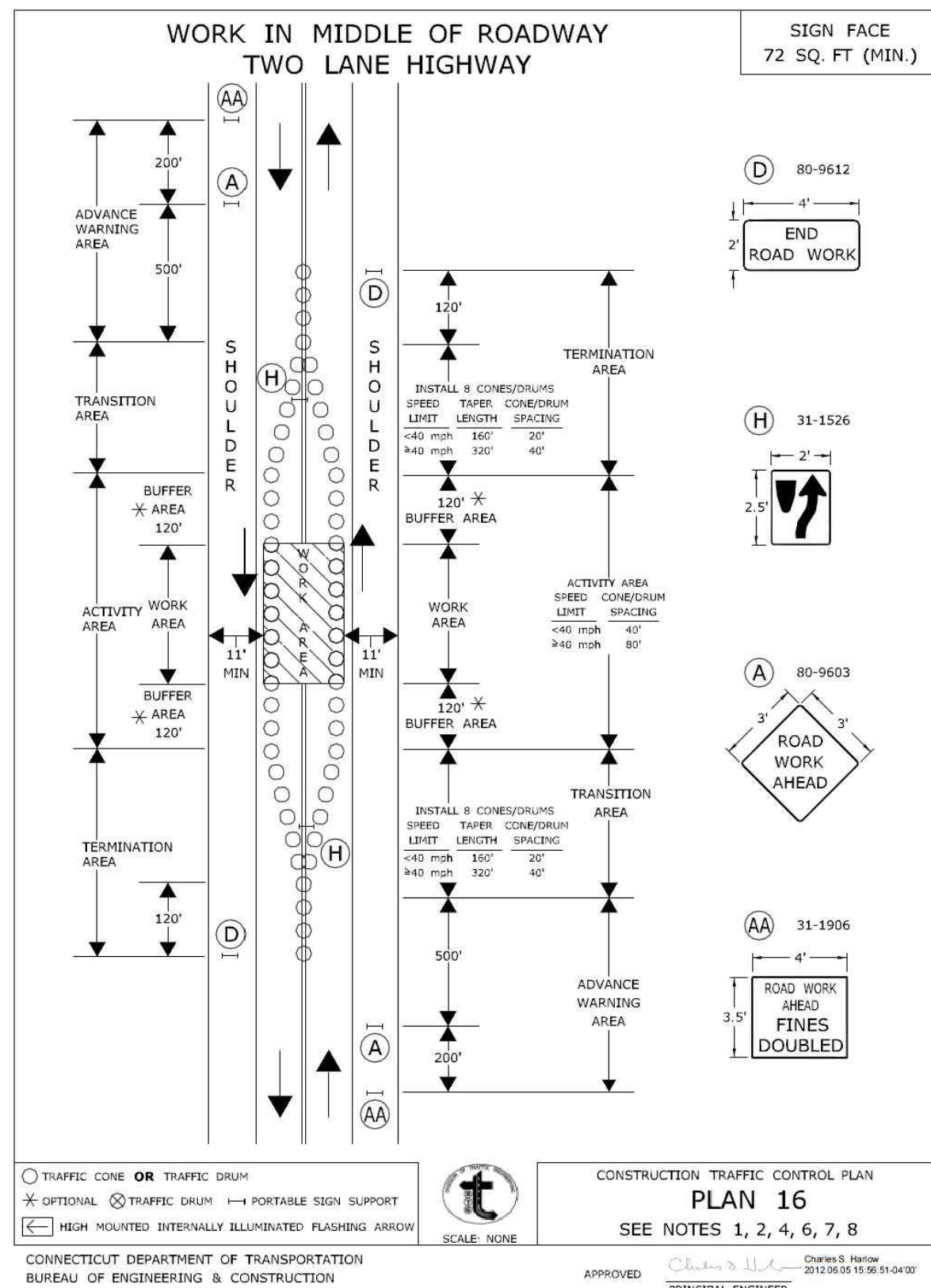
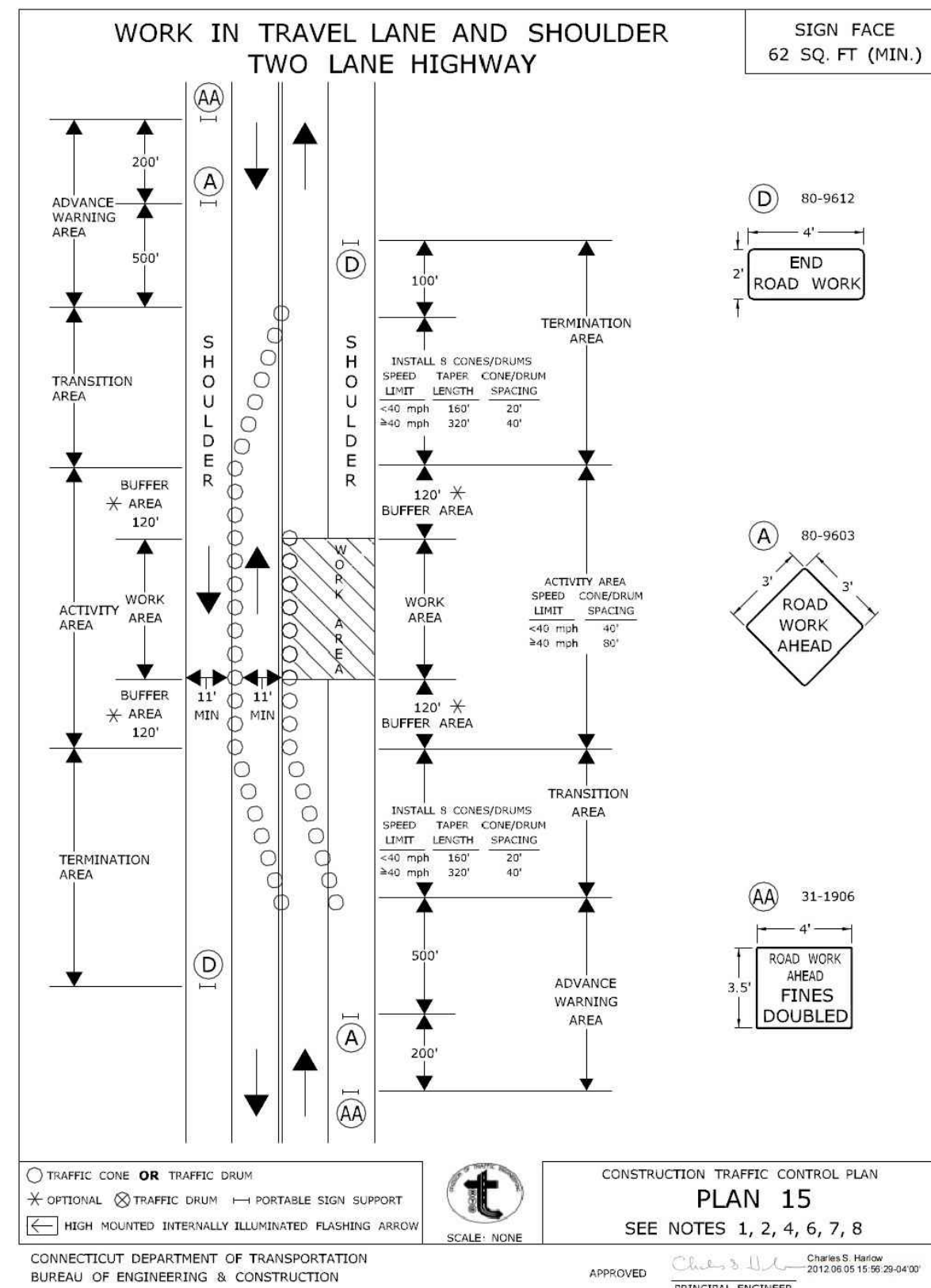
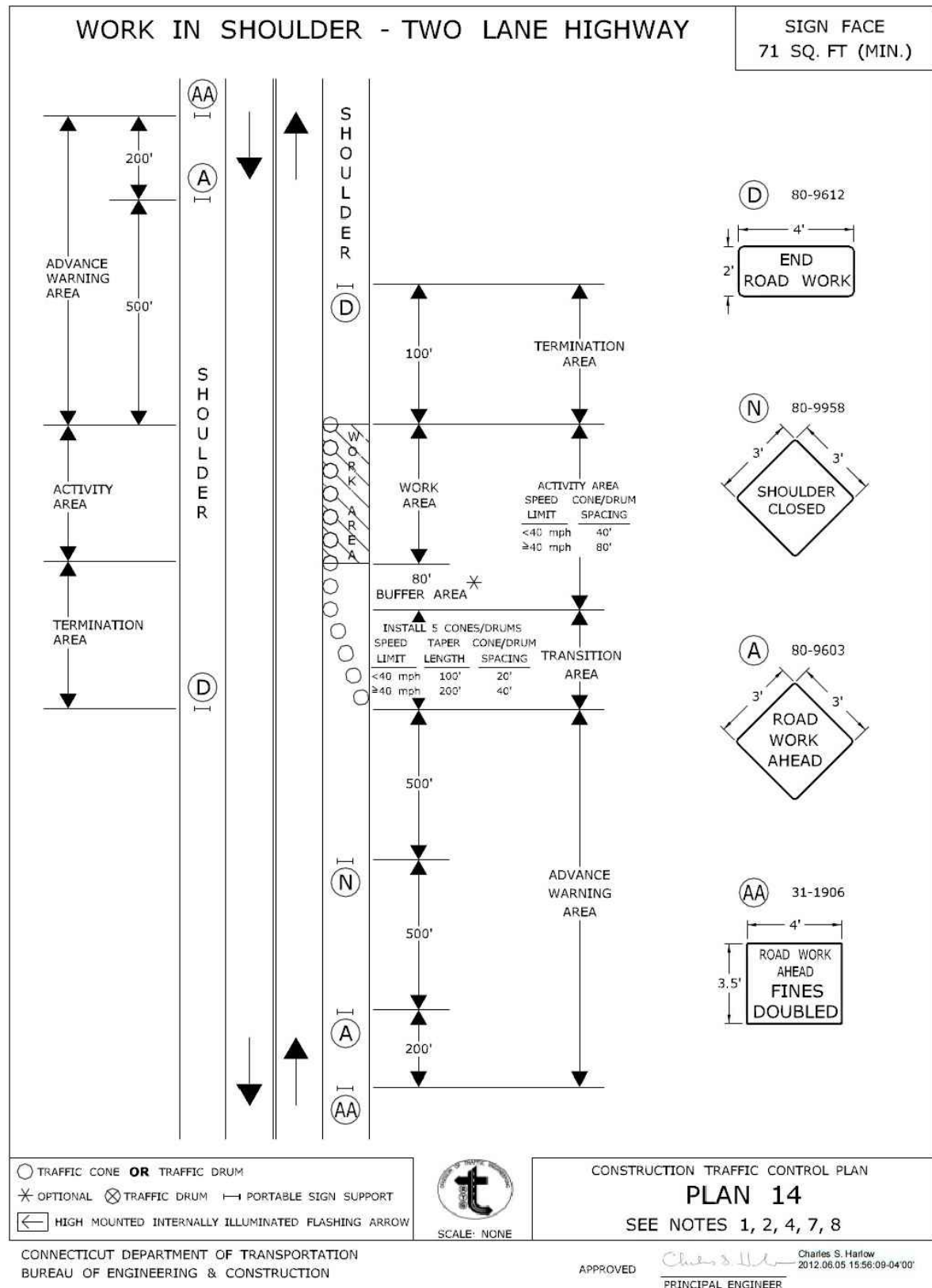
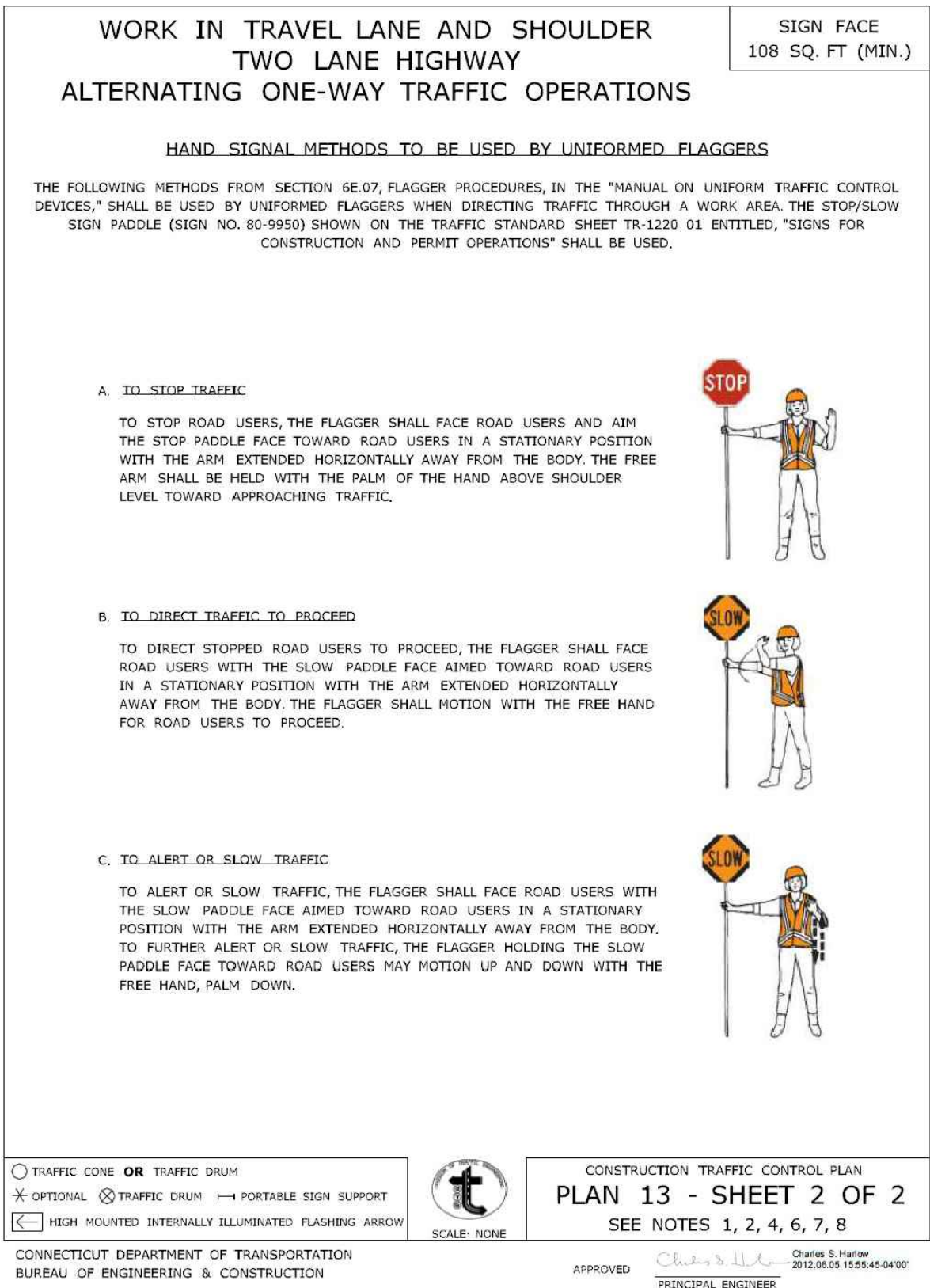
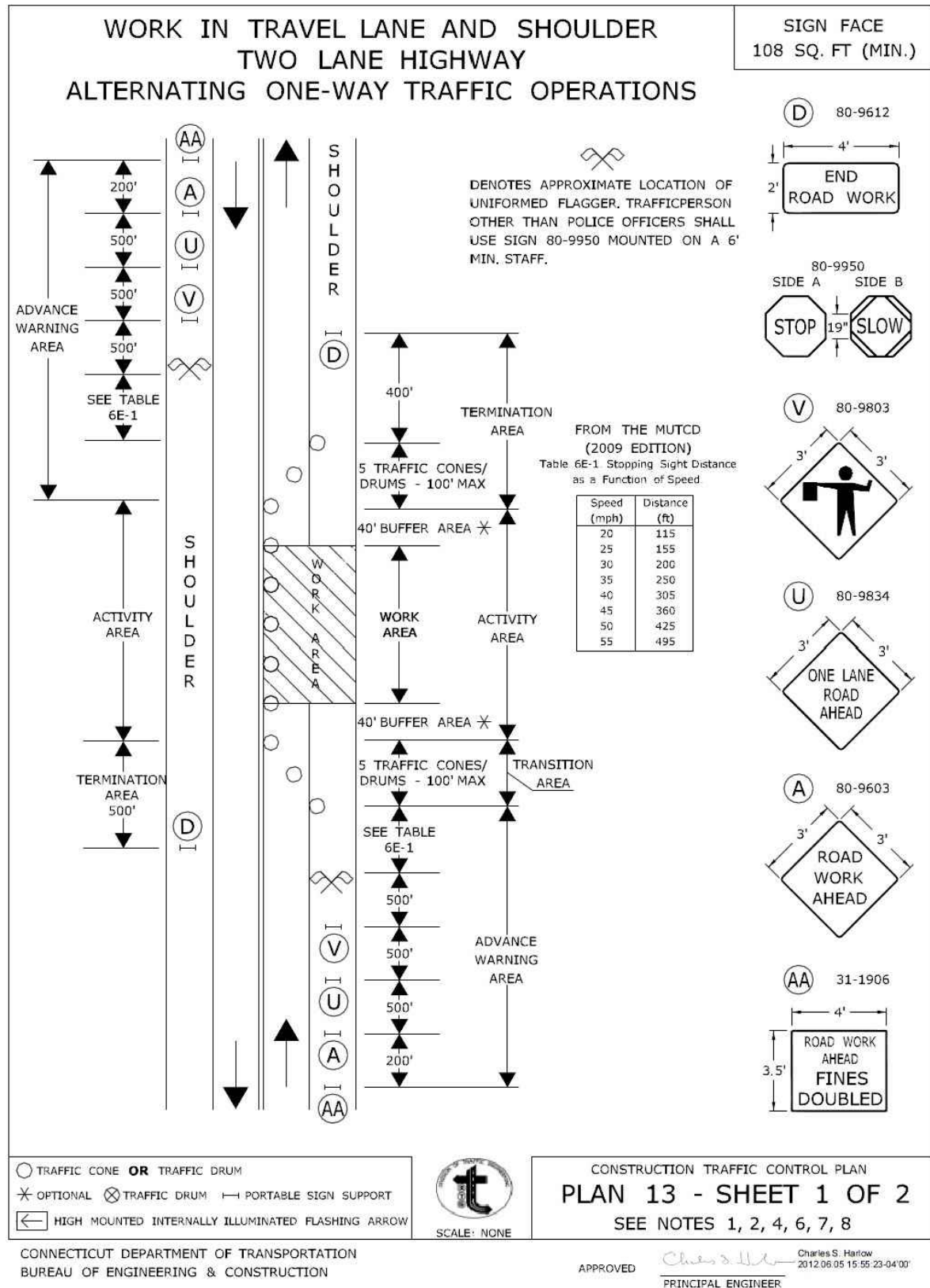
0087-0148

DRAWING NO.:

CWC-07

SHEET NO.:

07.07



Project:

Connecticut Water

CONNECTICUT WATER
COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK
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STRAITSVILLE BROOK CROSSING
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Revisions:

Rev	Date	Description

REVIEW

Issued For: NOT FOR CONSTRUCTION

Date: APRIL 2025

Drawn By: KJM

Reviewed By: RGT

Approved By: RGT

W&S Project No: ENG23-2759

Drawing Title:

CIVIL AND SITE
DETAILS

Sheet Number:

C903

REV	DATE	REVISION DESCRIPTION

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CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE 63 OVER STRAITSVILLE BROOK

TOWN(S):

NAUGATUCK

DRAWING TITLE:

CT WATER RELOCATION PLANS

PROJECT NO.: **0087-0148**

DRAWING NO.: **CWC-09**
SHEET NO.: **07.09**

REV.	DATE	REVISION DESCRIPTION

GENERAL STRUCTURAL NOTES

1. SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004) SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2016 AND SPECIALS PROVISIONS.
2. DESIGN SPECIFICATIONS: AASHTO LRFD DESIGN SPECIFICATIONS, 9TH EDITION, WITH THE INTERIM SPECIFICATIONS UP TO AND INCLUDING (2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003), WITH THE LATEST REVISIONS.
3. DESIGN STRESSES:

PCC0334Z CONCRETE

BASED ON f'_c = 3000 PSI

REINFORCEMENT (ASTM A615, GRADE 60)

F_y = 60,000 PSI

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, f'_c , OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF THE "SECTION 6.01 CONCRETE FOR STRUCTURES".
4. GEOTECHNICAL: THE FOLLOWING PARAMETERS WERE ASSUMED FOR DESIGN AND SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION:

FRICITION ANGLE30 DEG

UNIT WEIGHT OF SOIL120 PCF
5. DIMENSIONS: ALL DIMENSIONS SHOWN ON THE PLANS ARE IN ENGLISH UNITS EXCEPT IF NOTED OTHERWISE. WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.
6. UTILITIES: THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, UNLESS NOTED OTHERWISE. IF ANY UTILITY IS DAMAGED OR SERVICE IS INTERRUPTED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING FULL SERVICE IN A SAFE MANOR APPROVED BY THE UTILITY COMPANY AND ENGINEER.

CONCRETE NOTES:

1. PCC0334Z CONCRETE: PCC0334Z CONCRETE SHALL BE USED THROUGHOUT.
2. EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.
3. CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS DIMENSIONED OTHERWISE.
4. REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.
5. CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION", "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES" (ANSI/AISC 360-10), AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (ANSI/AISC 360-10).
2. STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING:

(A) ALL STEEL SHAPES: (LOW ALLOY) AASHTO M270 GRADE 50
3. ALL WELDED CONNECTIONS SHALL BE MADE BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO A.W.S. SPECIFICATIONS AMENDED TO DATE. ELECTRODES SHALL BE E70XX.
4. STRUCTURAL STEEL FRAMING SHALL BE WITHIN TOLERANCE BEFORE CONNECTIONS ARE FINALLY WELDED.
5. FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS OF STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER FOR EACH SPECIFIC USE.
6. STRUCTURAL STEEL SHAPES AND PLATES EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 U.N.O. FASTENERS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 U.N.O. HOT-DIPPED GALVANIZING SHALL ALSO CONFORM TO ASTM A385. THE GALVANIZER SHALL SUBMIT A CERTIFICATE OF CONFORMANCE FOR RECORD.
7. PROVIDE FIELD TOUCH-UP AND REPAIR OF GALVANIZING AS REQUIRED PER ASTM A780 USING AN INORGANIC ZINC-RICH PRIMER.
8. WHEN DISSIMILAR METALS ARE IN CONTACT (E.G. STAINLESS STEEL IN CONTACT WITH GALVANIZED STEEL), COAT SURFACE WITH COAL TAR EPOXY OR PROVIDE OTHER APPROVED MEANS TO PROVIDE A BARRIER.
9. WELDS SHALL BE $\frac{1}{4}$ " FILLET WELDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
10. PROVIDE TEMPORARY ERECTION BRACING AND SUPPORTS TO HOLD STRUCTURAL STEEL FRAMING SECURELY IN POSITION. SUCH TEMPORARY BRACING AND SUPPORTS SHALL NOT BE REMOVED UNTIL PERMANENT BRACING HAS BEEN INSTALLED.
11. SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR APPROVAL PRIOR TO FABRICATION.

STANDARD WATER MAIN NOTES:

1. THE MINIMUM ALLOWABLE CLEARANCE BETWEEN THE 12 INCH INSULATED WATER MAIN AND STEEL DIAPHRAGMS SHALL BE 1/2 INCH.
2. THE MAXIMUM PIPE JOINT DEFLECTION AT ANY MECHANICAL COUPLING SHALL BE 2 DEGREES.
3. NO MORE THAN TWO PIPE JOINT DEFLECTIONS SHALL BE ALLOWED PER BRIDGE SPAN.
4. ALL COMPONENTS OF THE SUPPORT ROLLERS, INCLUDING NUTS, WASHERS, RODS, BASE PLATES, ROLLERS, AND ASSOCIATED NUTS AND BASE PLATES AND ALL HARDWARE ASSOCIATED WITH THE EXPANSION JOINTS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
5. THE WATER MAIN SHALL BE BUILT BY A LICENSED PLUMBER UNDER THE SUPERVISION OF THE CONNECTICUT WATER COMPANY (CWC) DIRECTOR OF ENGINEERING AND PLANNING OR THEIR DESIGNEE.
6. "CALL BEFORE YOU DIG" – THE CONTRACTOR IS HEREBY REMINDED THAT TITLE 16, CHAPTER 293 OF THE CONNECTICUT GENERAL STATUTES REQUIRES NOTIFICATION OF THE UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 1-800-922-4455 AT LEAST 48 HOURS PRIOR TO BEGINNING THE EXCAVATION.
7. ALL FEDERAL AND STATE OSHA SAFETY STANDARDS MUST BE FOLLOWED DURING WATER MAIN INSTALLATIONS AND TESTING, INCLUDING 29 CFR 1926.650 – 1926.652, THAT ADDRESSES EXCAVATION WORK AND REQUIREMENTS FOR PROTECTIVE SYSTEMS.
8. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER A MATERIALS LIST, FOR APPROVAL, PRIOR TO THE INSTALLATION OF THE PROPOSED WATER MAIN.
9. AFTER PLACING APPROXIMATELY 2 FEET OF BACKFILL MATERIAL OVER THE WATER MAIN, THE CONTRACTOR SHALL PLACE A 6 INCH WIDE STRIP OF DURABLE, NON-DETECTABLE, COLOR CODED (BLUE FOR WATER) UNDERGROUND UTILITY DETECTION TAPE IMPRINTED WITH THE APPROPRIATE WARNING INDICATING THE PRESENCE OF A BURIED UTILITY CONDUIT.
10. TEMPORARY AND PERMANENT PAVING RESTORATION SHALL BE MADE IN ACCORDANCE WITH DISTRICT AND/OR TOWN SPECIFICATIONS.
11. CONCRETE FOR THE THRUST BLOCKS SHALL BE "CLASS "A" CONCRETE". REINFORCING STEEL SHALL BE UNCOATED DEFORMED STEEL BARS. PAYMENT SHALL BE INCLUDED UNDER "8" HDPE PIPE (WATER MAIN)."


PIPE SUPPORT NOTES:

1. PIPE SUPPORT ROLLERS SHALL BE SIZED TO SUPPORT 12" DUCTILE IRON PIPE WITH INSULATION, HDPE JACKET AND PROTECTIVE SADDLES.
2. THE ROLLER ASSEMBLY SHALL PROVIDE FOR VERTICAL ADJUSTMENT OF AT LEAST 6". ADJUSTMENT SHALL BE PROVIDED AT TWO ADJUSTMENT SOCKETS. ALL COMPONENTS OF THE SUPPORT ROLLERS INCLUDING NUT, WASHERS, RODS, ROLLERS, ETC. SHALL BE GALVANIZED IN ACCORDANCE TO ASTM A163 OR SHALL BE STAINLESS STEEL. THE GENERAL DIMENSIONS OF THE ROLLER SHALL BE AS SHOWN ON THE PLANS.
3. SUPPORT MEMBERS SHALL BE SECURELY BOLTED IN PLACE PRIOR TO PLACING OTHER COMPONENTS OF THE SUPPORT SYSTEM. ROLLER ASSEMBLIES SHALL HAVE TOP AND BOTTOM NUTS ON THE THREAD RODS TO ALLOW VERTICAL ADJUSTMENT OF ROLLERS. ROLLER ASSEMBLIES SHALL BE SECURED BY DOUBLE NUTS TO PREVENT THE NUTS FROM COMING LOOSE.

ABBREVIATIONS:

N.T.S.	NOT TO SCALE
B.M.	BENCH MARK
ABAN.	ABANDON
MB	MAIL BOX
EXIST. (OR EX.)	EXISTING
FDN.	FOUNDATION
FL (OR F)	FLOW LINE
P	PROPERTY LINE
PI	POINT OF INTERSECTION
PVMT	PAVEMENT
RC	REINFORCED CONCRETE
REM.	REMOVE
REMOD.	REMODEL
RET.	RETAIN
R.O.W.	RIGHT- OF- WAY
R.R.	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R&D	REMOVE AND DISCARD
SB	STONE BOUND
SCB	SPECIAL CATCH BASIN
W/	WITH
PCC	POINT OF COMPOUND CURVATURE
SW	SIDEWALK
HMA	HOT MIX ASPHALT
CC	CONCRETE CURB
CONT.	CONTINUED
MPH	MILES PER HOUR
TYP., OR (TYP.)	TYPICAL
ROE	RIGHT OF ENTRY
N/F	NOW OR FORMERLY
PROP.	PROPOSED
ADJ.	ADJUST
CEM. CONC.	CEMENT CONCRETE
B	BASELINE
CONST.	CONSTRUCTION
TEMP.	TEMPORARY
SPEC.	SPECIFICATIONS
REHAB.	REHABILITATION
P	PROPERTY LINE
WRF	WOOD RAIL FENCE
CTE	CONNECT TO EXISTING
SWTU	STORM WATER TREATMENT UNIT
C.J.	CONSTRUCTION JOINT
REINF.	REINFORCEMENT
STL.	STEEL

Project:



CONNECTICUT WATER
COMPANY
93 WEST MAIN STREET
CLINTON, CT 06413

WICA 521 NAUGATUCK
TRANSMISSION MAINS PHASE 1

STRAITSVILLE BROOK CROSSING
CT ROUTE 63
NEW HAVEN ROAD
NAUGATUCK, CT



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Revisions:

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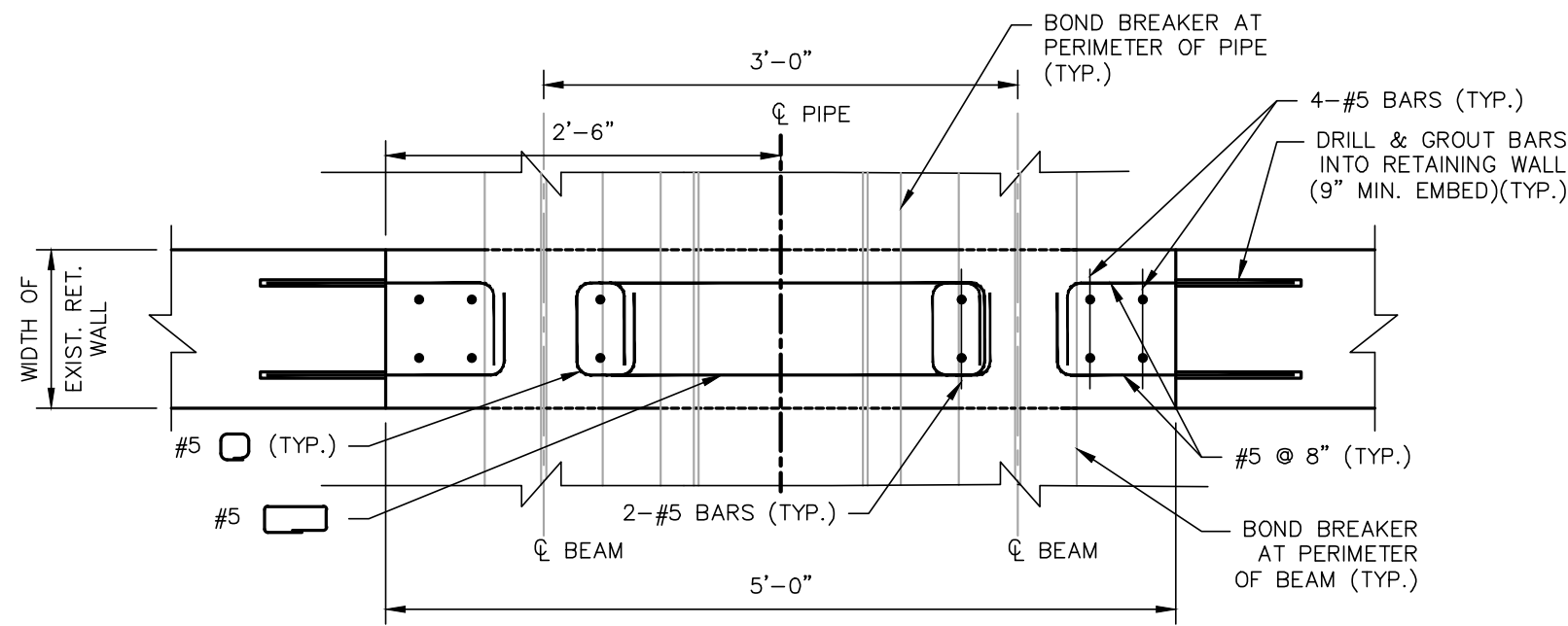
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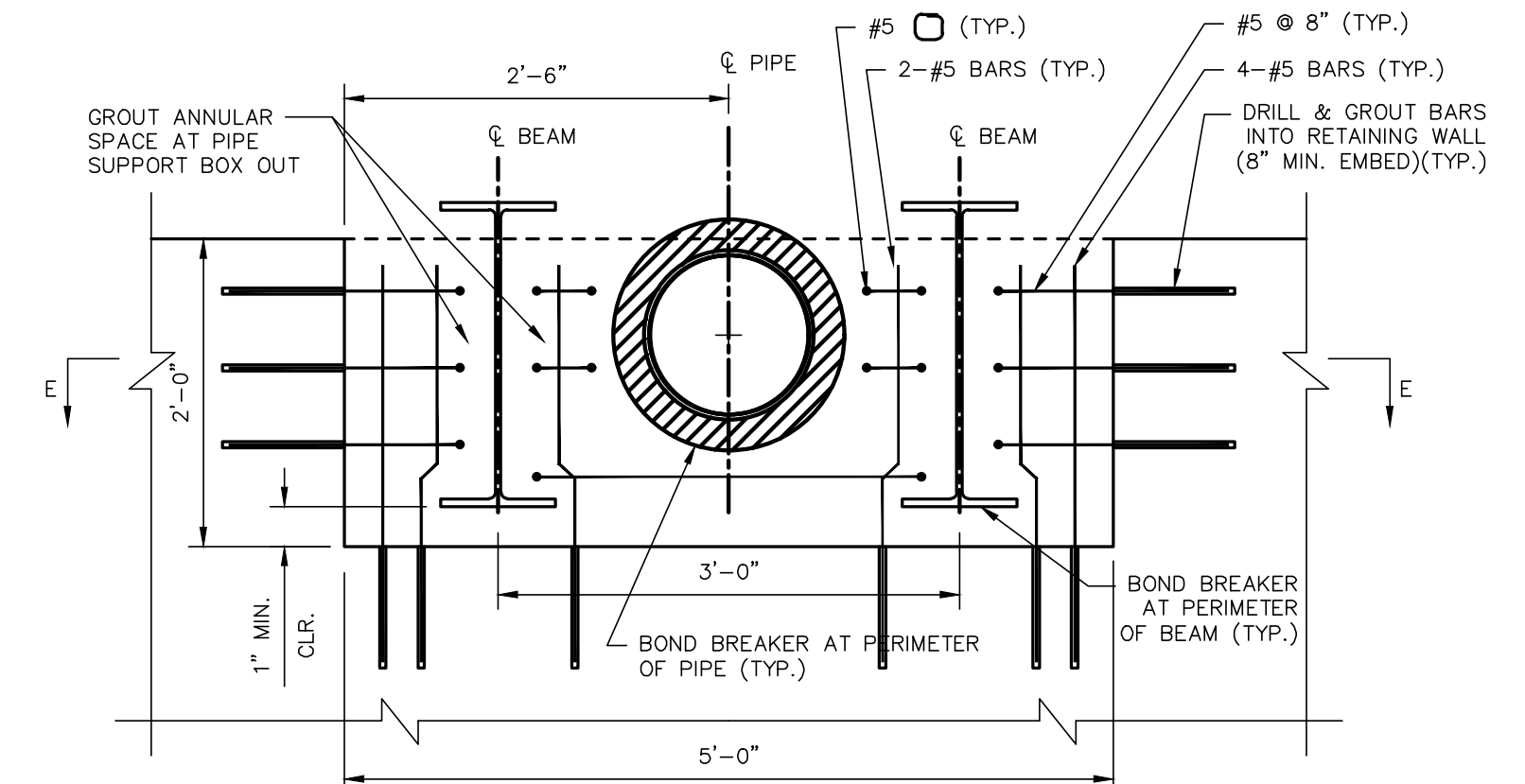
WATER MAIN
SUPPORT
NOTES

Sheet Number:

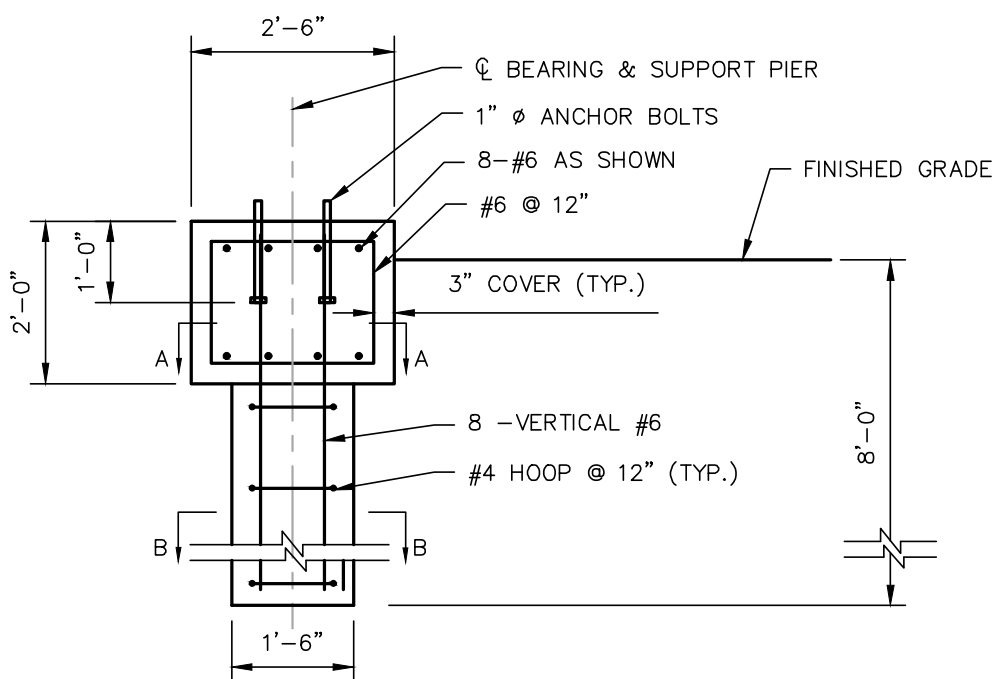
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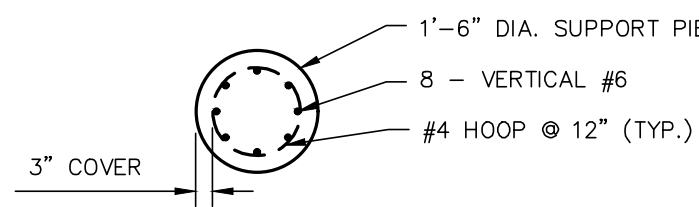
SECTION E-E
SCALE: 1" = 1'-0"



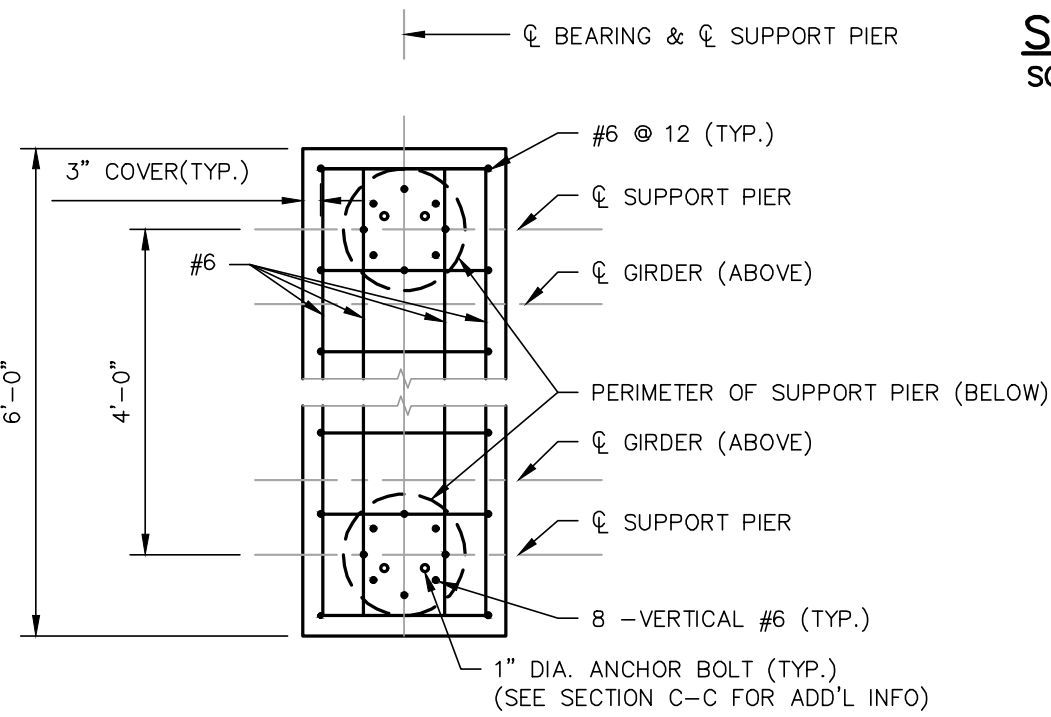
INFILL PENETRATION AT RETAINING WALL
SCALE: 1" = 1'-0"



SUPPORT PIER REINFORCING (ELEVATION)
SCALE: 1/2" = 1'-0"

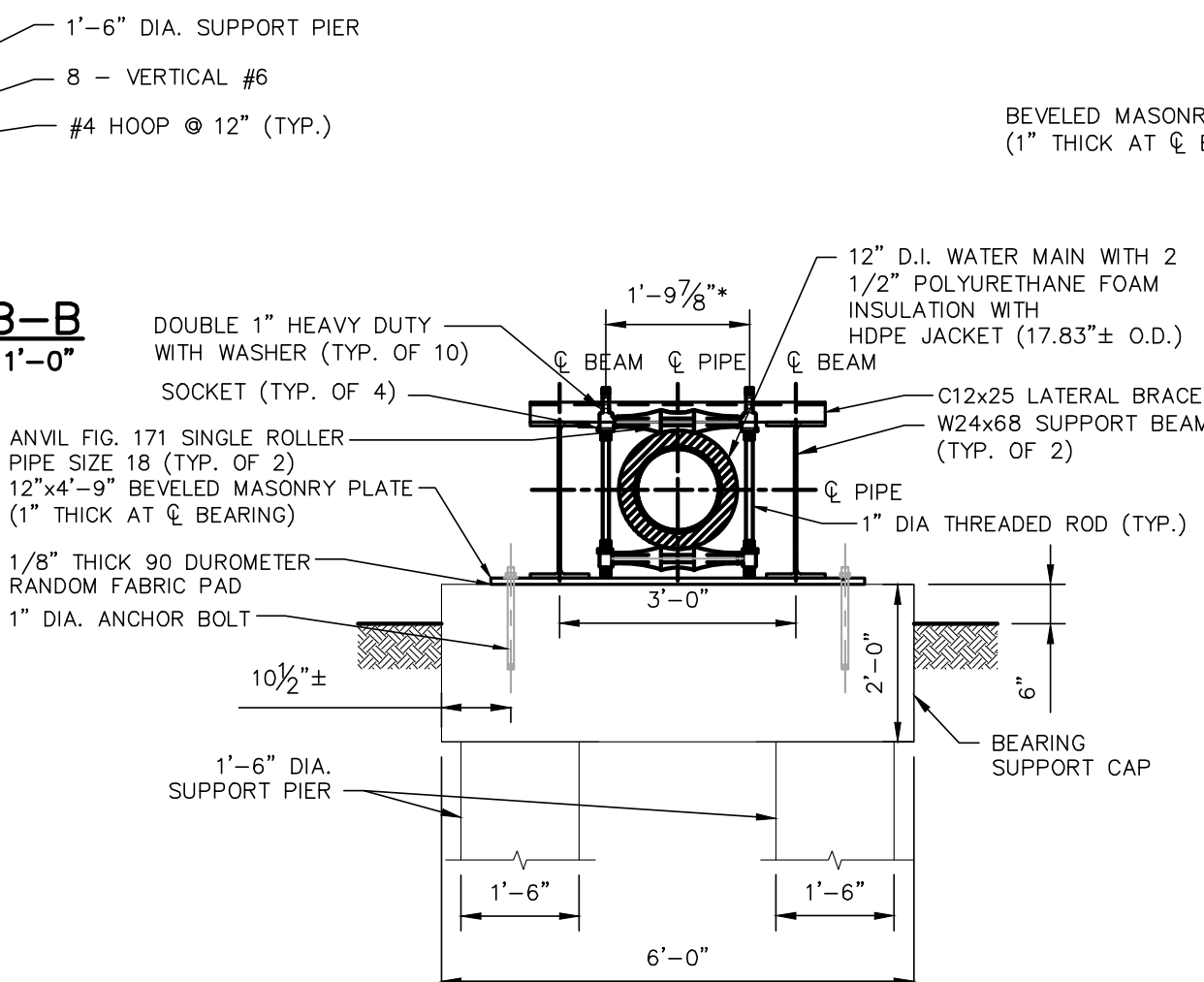


SUPPORT PIER SECTION
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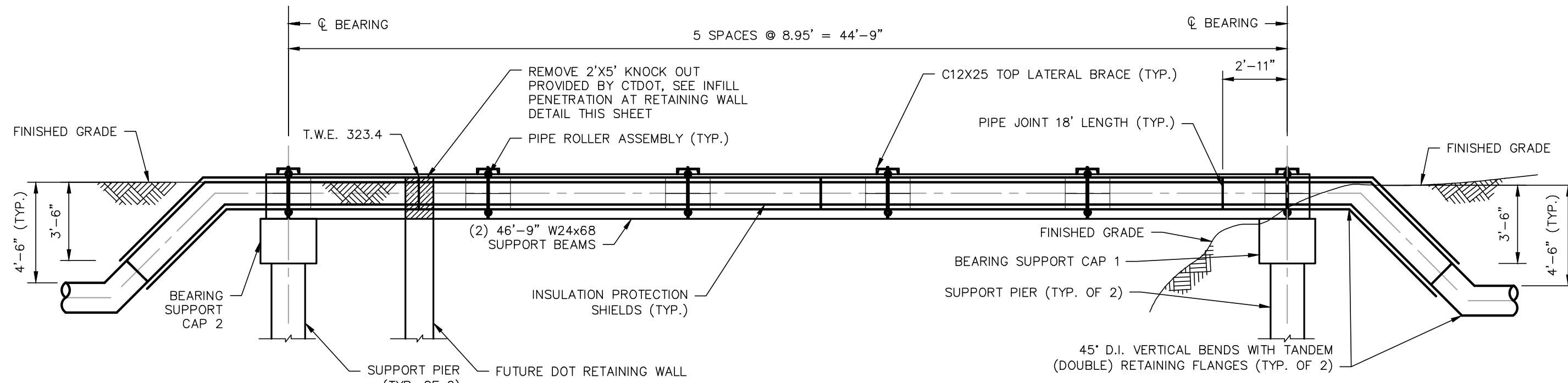


SECTION A-A
SCALE: 1/2" = 1'-0"

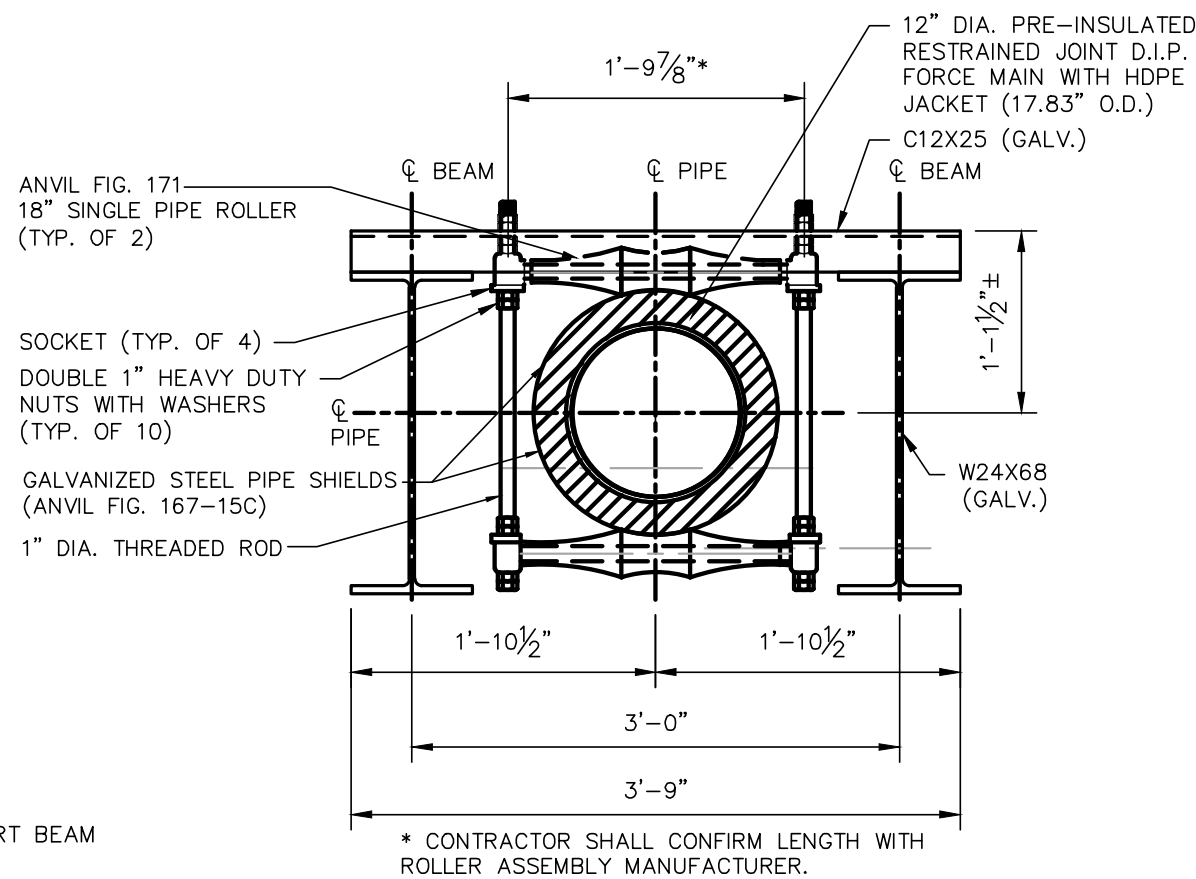
SECTION B-B
SCALE: 1/2" = 1'-0"



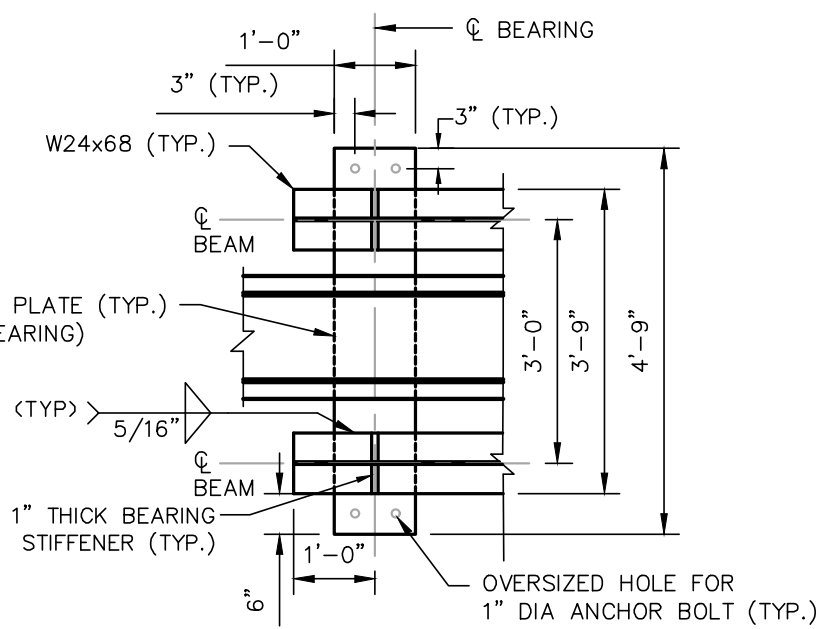
SECTION D-D
SCALE: 1/2" = 1'-0"



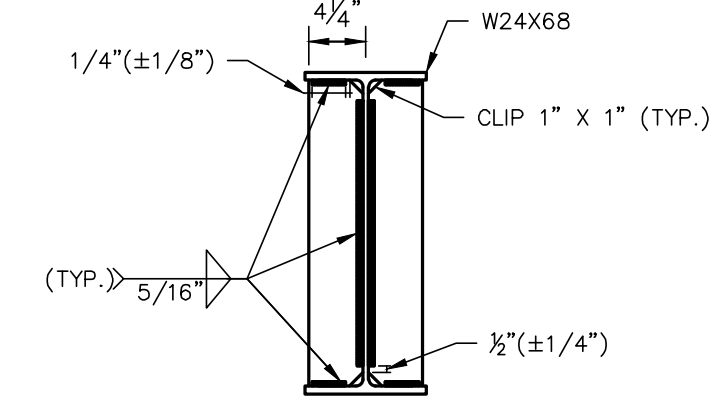
**12" D.I.P. RAW WATER MAIN
ELEVATION**
SCALE: 1/4" = 1'-0"



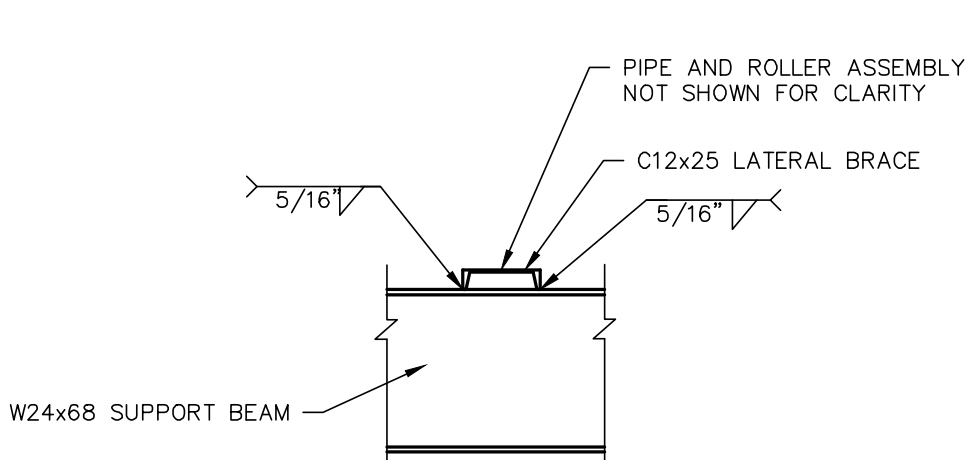
**PIPE ROLLER ASSEMBLY
TYPICAL SECTION**
SCALE: 1" = 1'-0"



SECTION C-C
SCALE: 1/2" = 1'-0"



BEARING STIFFENER DETAIL
SCALE: 1" = 1'-0"



INTERMEDIATE SUPPORT DETAIL
SCALE: 1/2" = 1'-0"

NOTES:

- STEEL PLATES AND ROLLED SHAPES SHALL BE AASHTO M27, GRADE 50W (GALVANIZED)
- BOLTS SHALL BE ASTM A325, TYPE 3 HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
- PIPE SUPPORT ROLLERS WILL BE SIZED TO SUPPORT THE 12" DUCTILE IRON PIPE (DIP) WITH INSULATION AND PROTECTIVE SADDLES.
- THE ROLLER ASSEMBLY SHALL PROVIDE FOR A VERTICAL ADJUSTMENT OF AT LEAST 2 INCHES. ADJUSTMENT WILL BE PROVIDED AT TWO ADJUSTMENT SOCKETS. ALL COMPONENTS OF THE SUPPORT ROLLERS, INCLUDING NUTS, WASHERS, RODS, ROLLERS, ECT. SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153. THE GENERAL DIMENSIONS OF THE ROLLER SHALL BE AS SHOWN ON THE PLANS. ADJUSTABLE SUPPORT ROLLER SHALL BE MANUFACTURED BY THE ELCEN METALS PRODUCTS COMPANY, FRANKLIN PARK, IL OR GRINNELY COMPANY, INC., PROVIDENCE, RI OR ANVIL INTERNATIONAL, EXETER, NH.
- SUPPORT MEMBERS SHALL BE SECURELY BOLTED INTO PLACE PRIOR TO PLACING OTHER COMPONENTS OF THE SUPPORT SYSTEM. ROLLER ASSEMBLIES SHALL HAVE TOP AND BOTTOM NUTS ON THE THREADED RODS TO ALLOW VERTICAL ADJUSTMENT OF ROLLERS. ROLLER ASSEMBLIES SHALL BE SECURED BY DOUBLE NUTS OR OTHER MEANS TO PREVENT THE NUTS FROM COMING LOOSE.
- ALL WELDING WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANSI/AASHTO/AWS D1.5.
- CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 - 02; 318R-02)" AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-99)"
- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE AIR ENTRAINED FOR SPECIFICATION REQUIREMENTS, AND SHALL CONFORM TO THE LATEST BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318
- ALL EXPOSED CORNERS OF CONCRETE PIERS SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH TO BE 4000 PSI.
- REINFORCEMENT DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO "ACI DETAILING MANUAL" - SP-66, "CRSI MANUAL OF STANDARD PRACTICE".
- STEEL REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL CONFORM TO THE FOLLOWING:
 - BARS, TIES, AND STIRRUPS.....ASTM A615 GRADE 60
- REINFORCING STEEL SHALL BE UNCOATED AND DEFORMED.
- MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
 - SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH: 3.0"
 - FORMED SURFACES BACKFILLED WITH EARTH OR EXPOSED TO WEATHER: 2.0"
 - SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 1.5"
- STEEL BEAM SHALL BE CAMBER 2" AT MID SPAN OF BEAM, ZERO CAMBER AT BEARINGS.

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ConnecticutWater

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Rev Date Description

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Date: APRIL 2025

Drawn By: KJM

Reviewed By: RGT

Approved By: RGT

W&S Project No: ENG23-2759

Drawing Title:

**WATER MAIN
SUPPORT
ELEVATION
AND DETAILS**

Sheet Number:

S200

SIGNATURE BLOCK:

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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

**REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE
63 OVER STRAITSVILLE BROOK**

TOWN(S):

NAUGATUCK

DRAWING TITLE:

CT WATER RELOCATION PLANS

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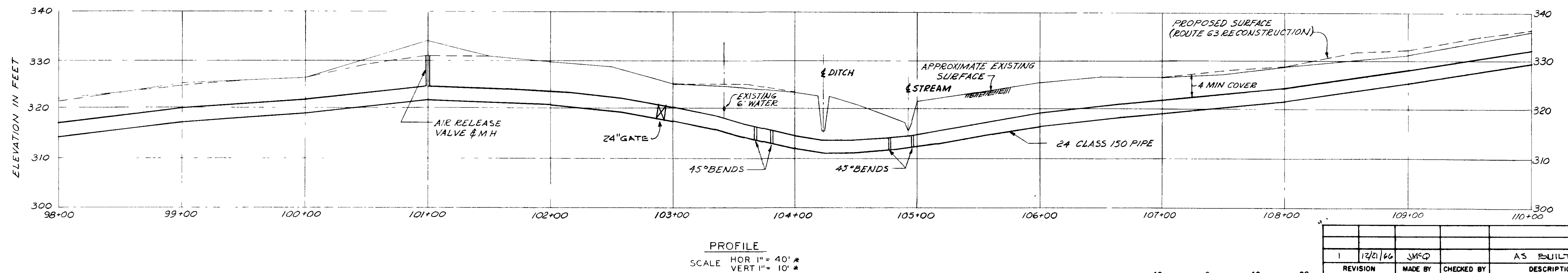
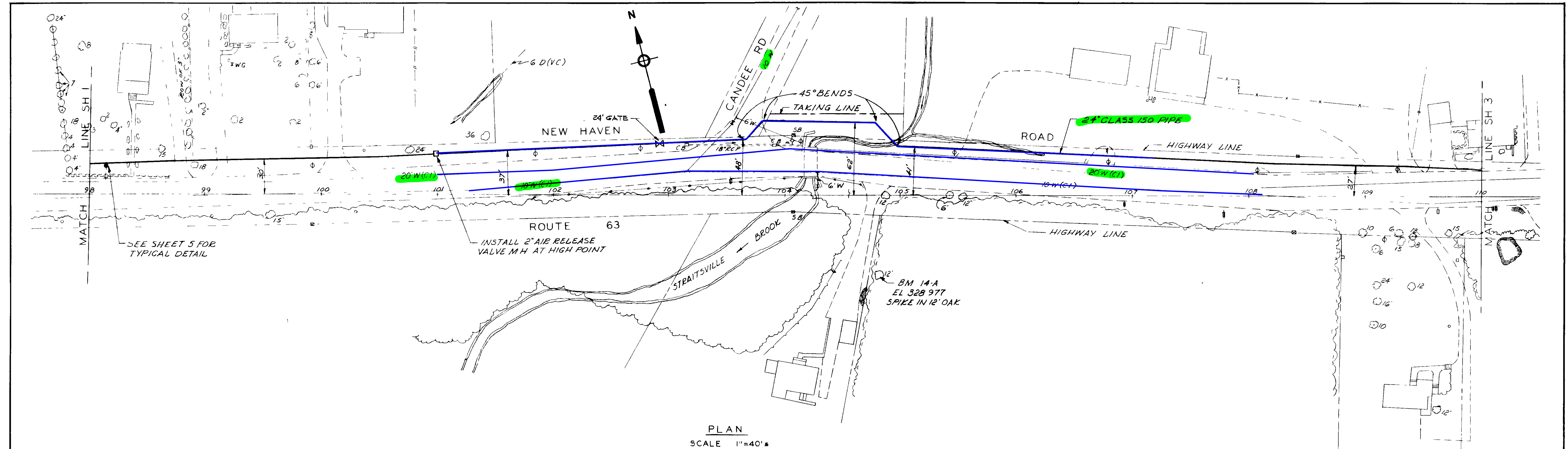
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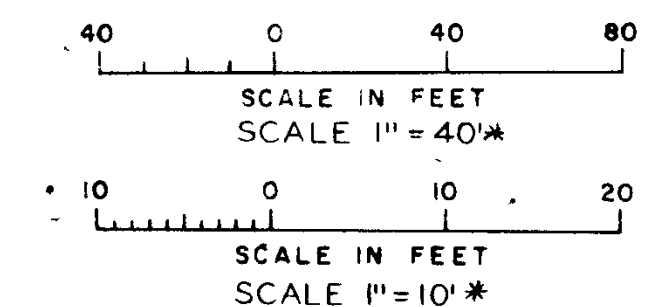
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PLOTTED DATE: 5/4/2025



NOTES

- 1 FOR LEGEND SEE SHEET 1
- 2 FOR GENERAL NOTES SEE SHEET 10
- 3 FOR TYPICAL PIPELINE TRENCH DETAIL SEE SHEET 10
- 4 FOR AIR RELEASE VALVE MANHOLE DETAIL SEE SHEET 10
- 5 FOR THRUST BLOCK DETAILS SEE SHEET 9



* DOES NOT APPLY IF DRAWING SIZE
HAS BEEN CHANGED BY REPRODUCTION

APPROVED

FOR METCALF & EDDY ENGINEERS

Elmer B. Cote 9/11/63
REG. PROF. ENGR. CONN. NO. 3396 DATE

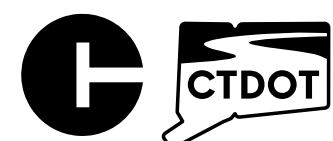
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REVISION	MADE BY	CHECKED BY	DESCRIPTION
THE CONNECTICUT WATER COMPANY NAUGATUCK DIVISION WATER MAIN RELOCATIONS ROUTE 63 STA 98+00 TO STA. 110+00 NEW HAVEN ROAD SCALE, AS SHOWN NOV, 1962			
METCALF & EDDY ENGINEERS BOSTON MASS			21-04-0004 43233 H 24611

DRAWN BY *D.C.*
TRACED BY *D.C.*
CHECKED BY *J.J.*

SIGNATURE BLOCK:

FOR INFORMATION ONLY

NOT TO SCALE



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE
63 OVER STRAITSVILLE BROOK

TOWN(S):

NAUGATUCK

DRAWING TITLE:

CT WATER EXISTING PLANS

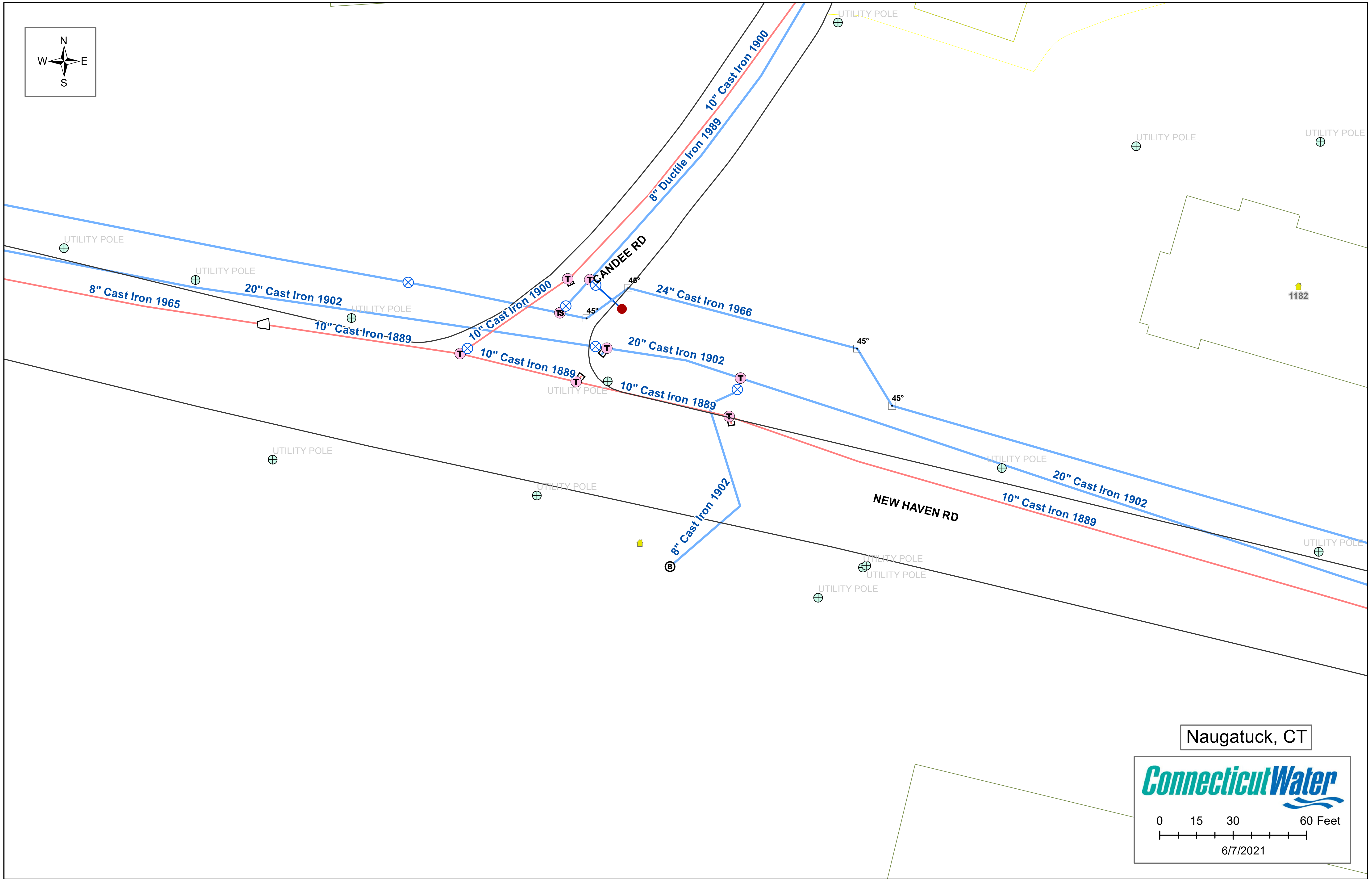
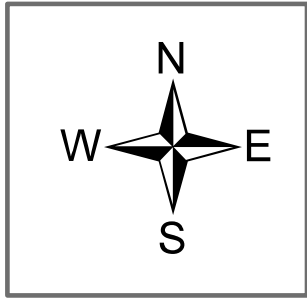
PROJECT NO.:

0087-0148

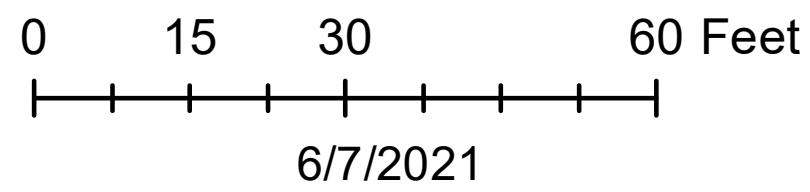
DRAWING NO.:

CWC-12

SHEET NO. 07.12



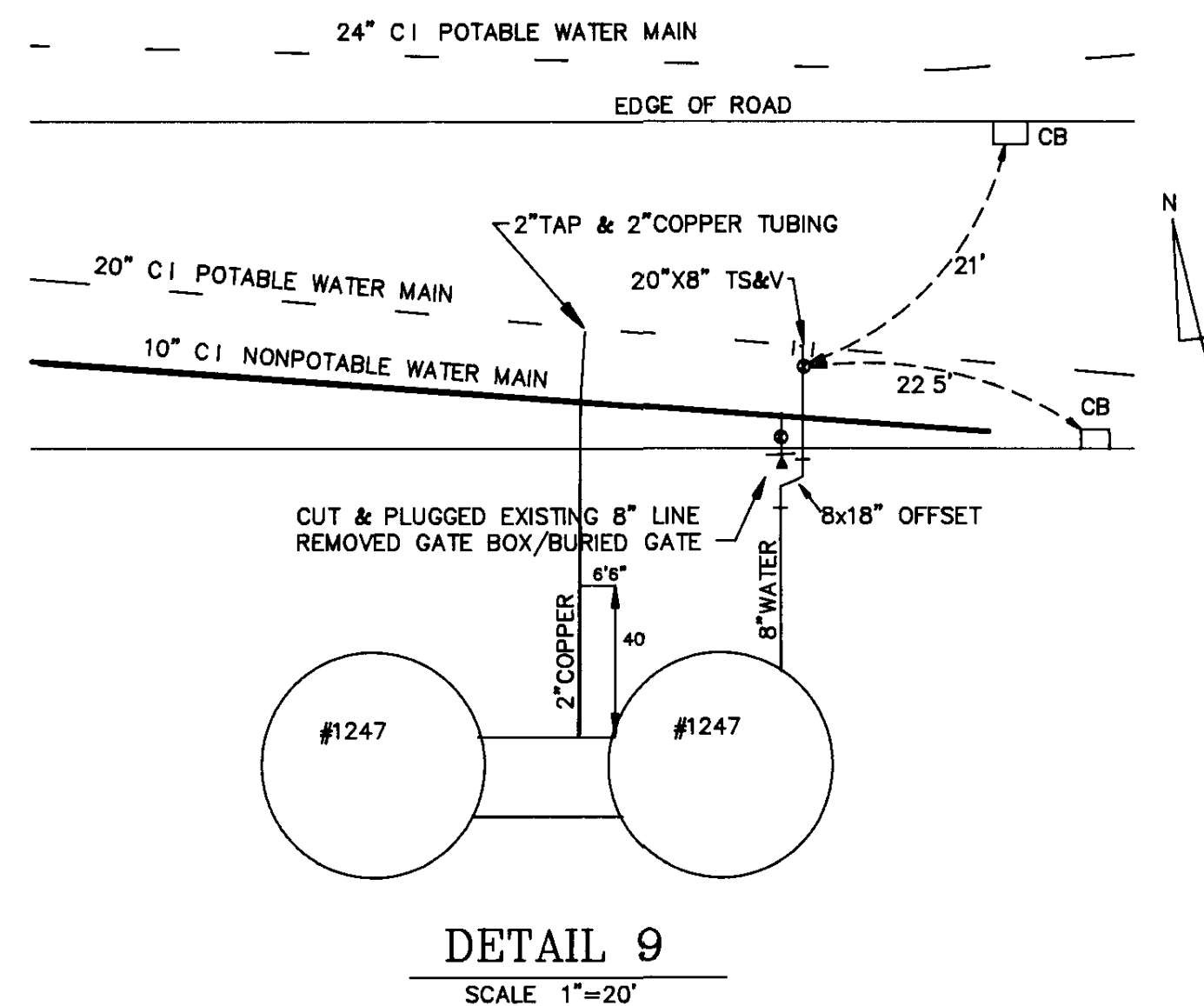
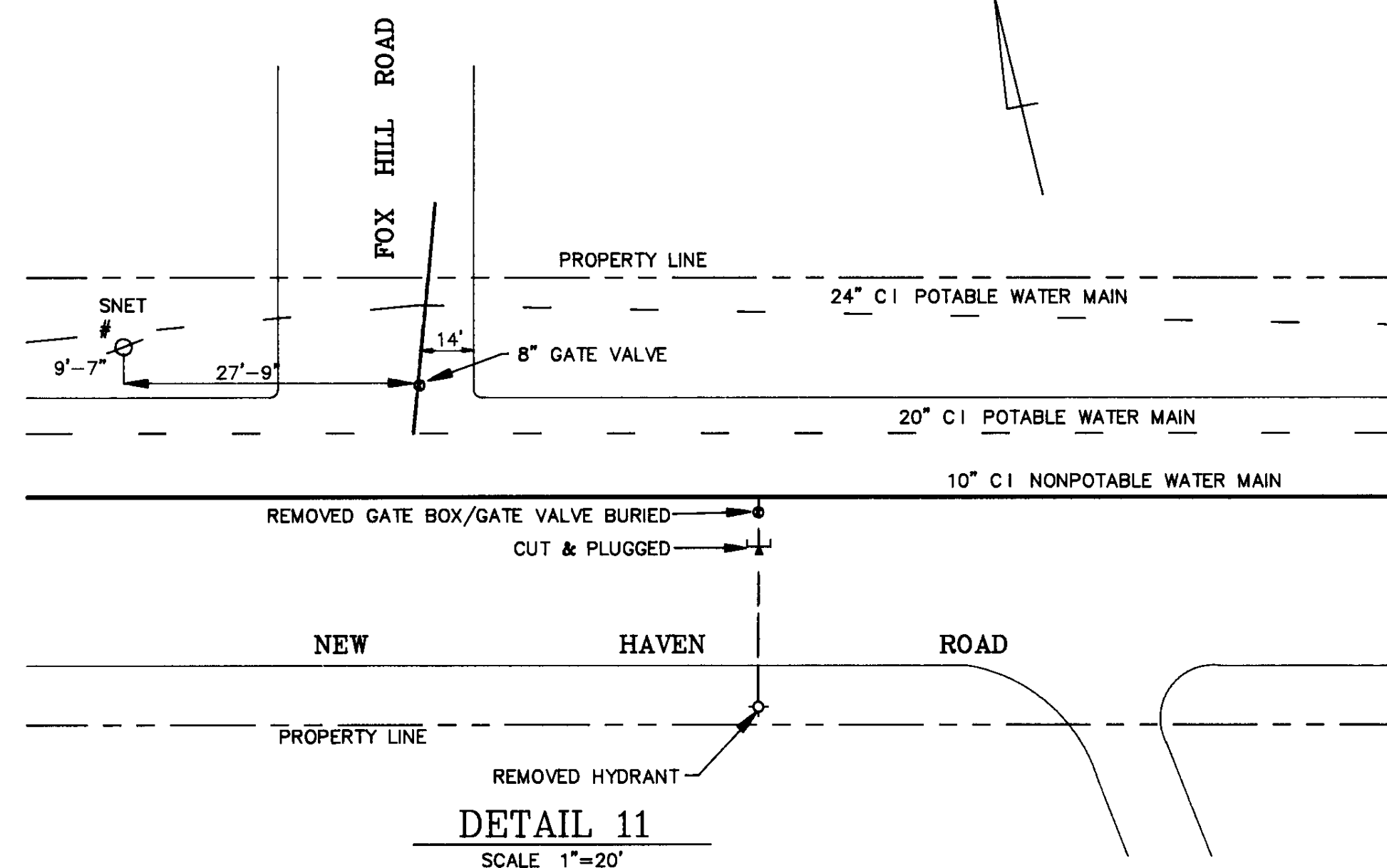
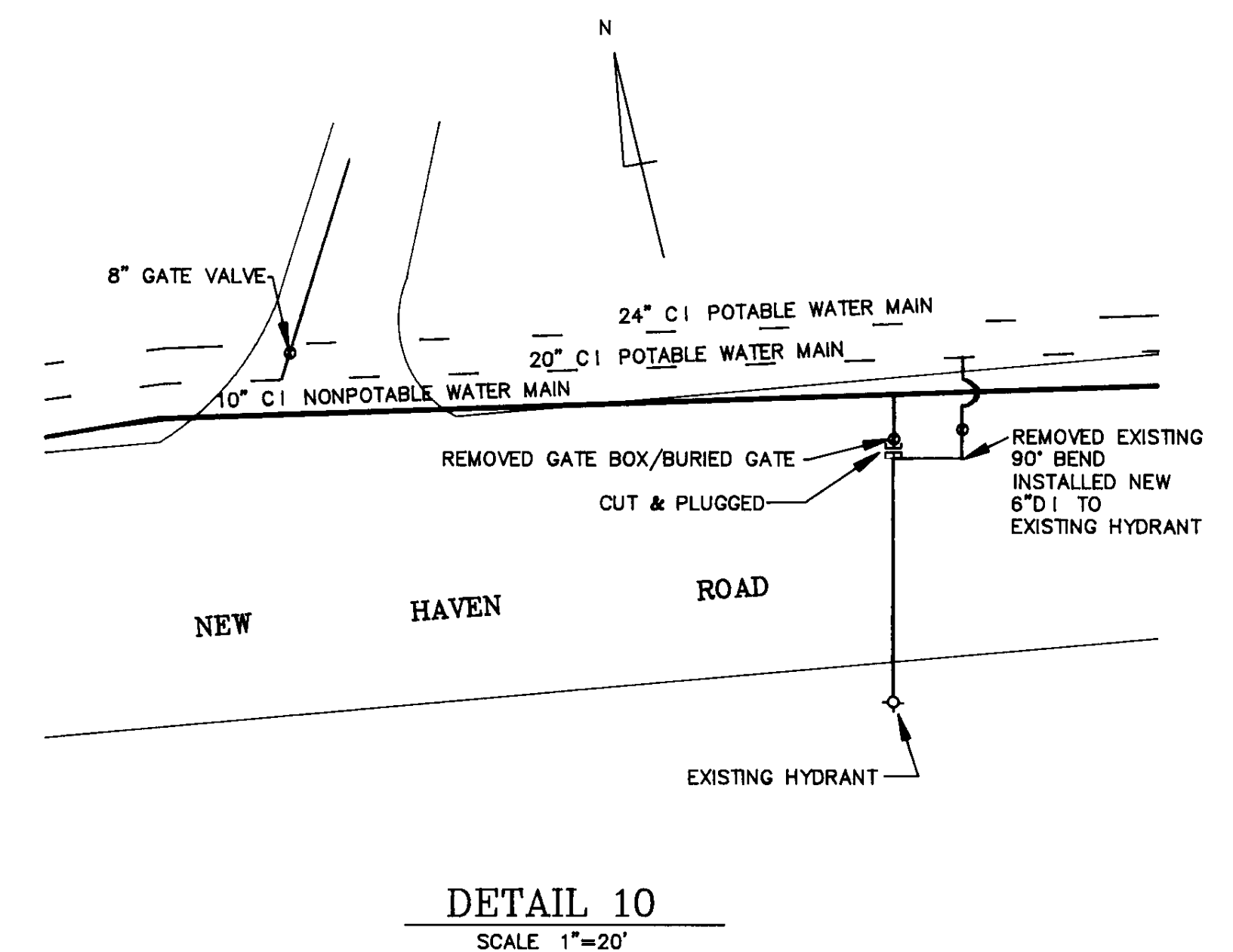
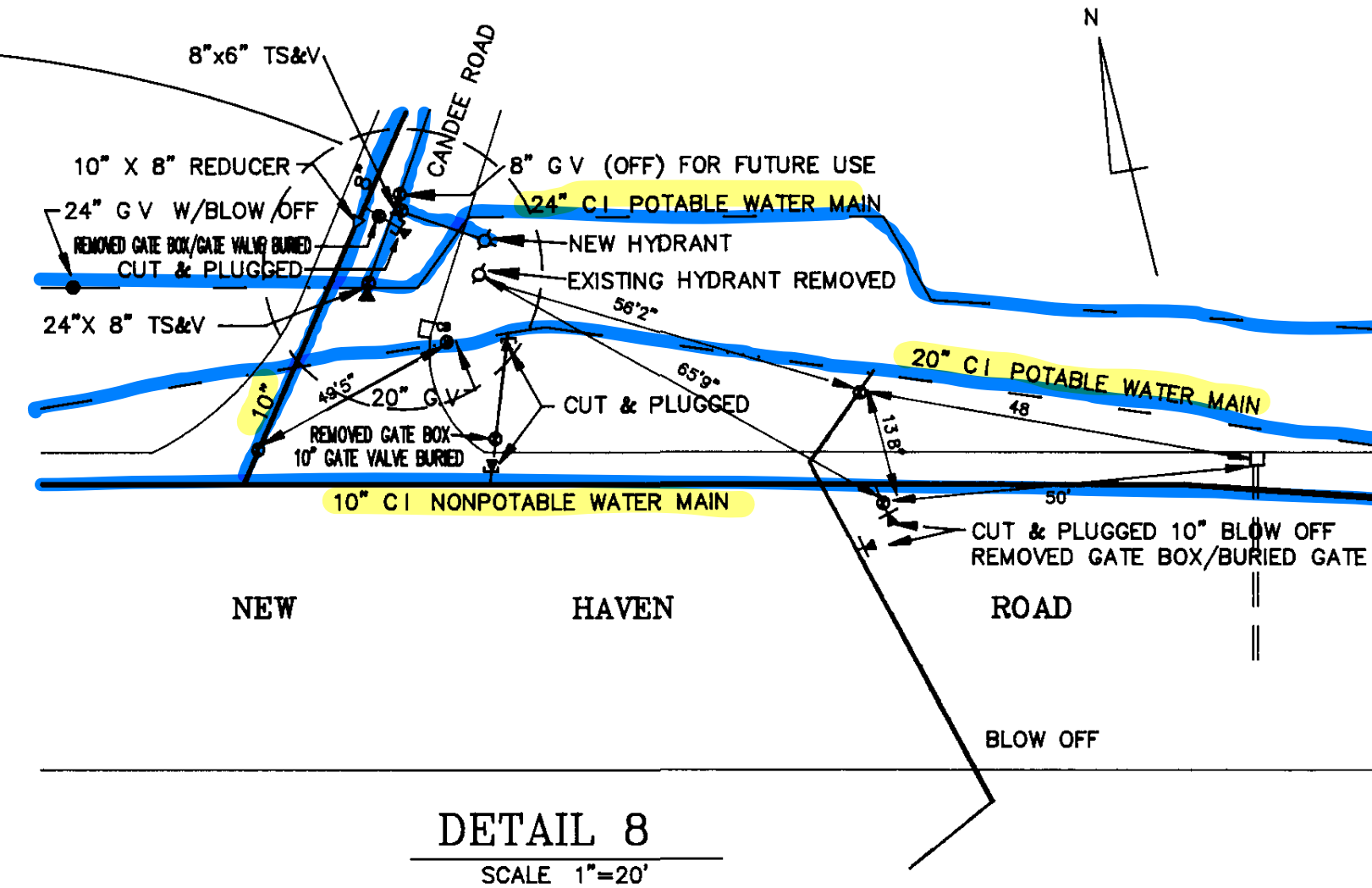
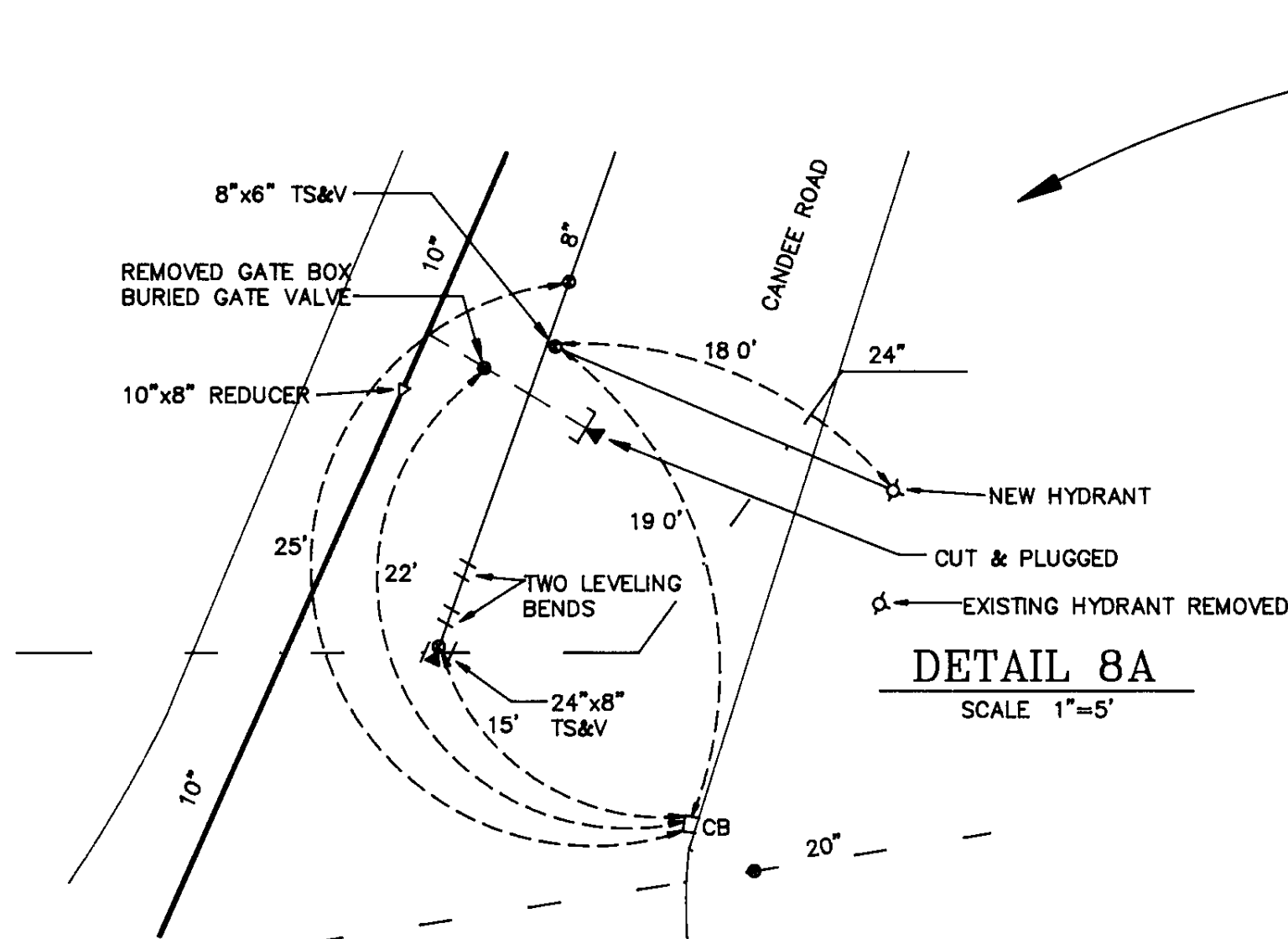
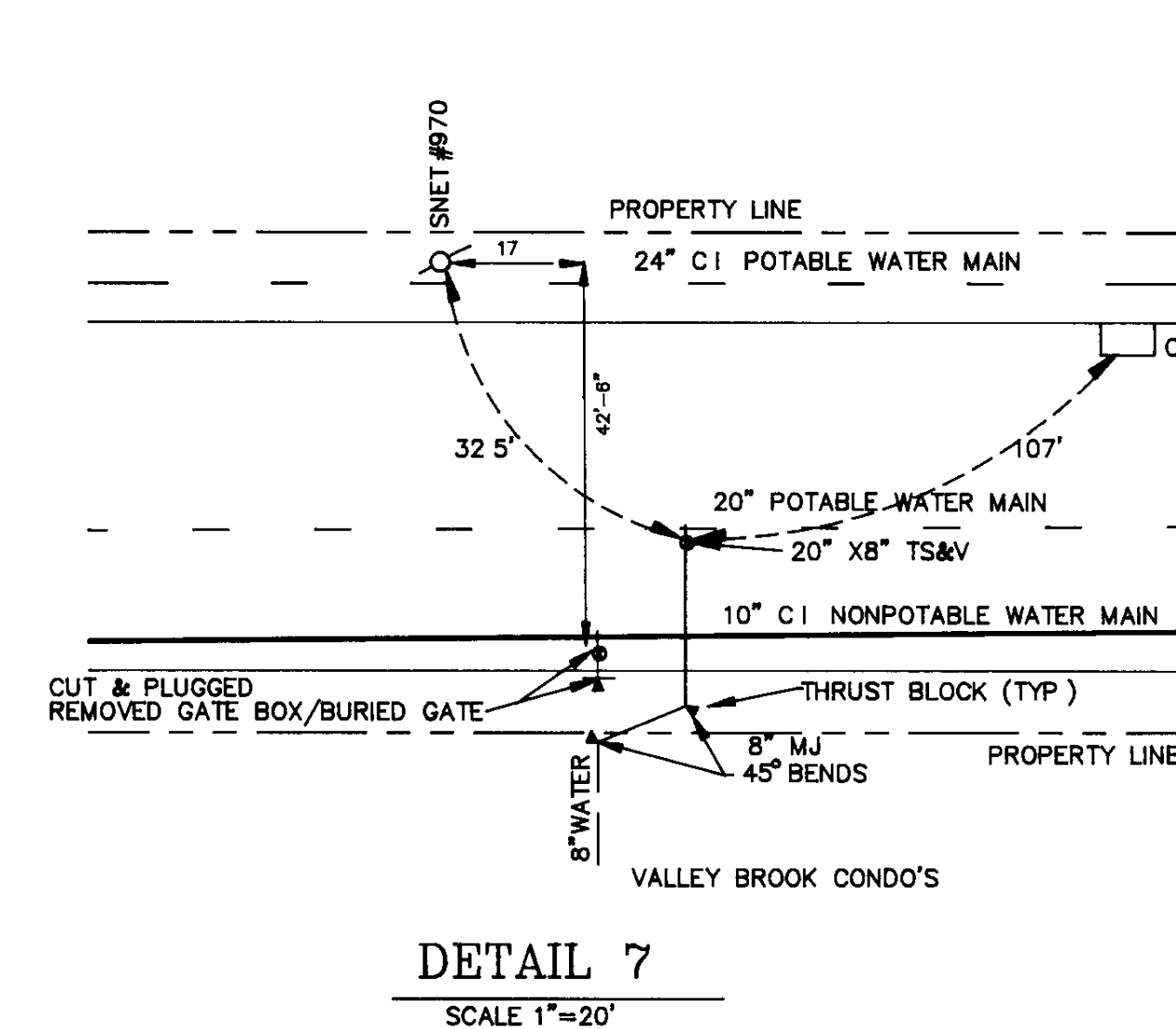
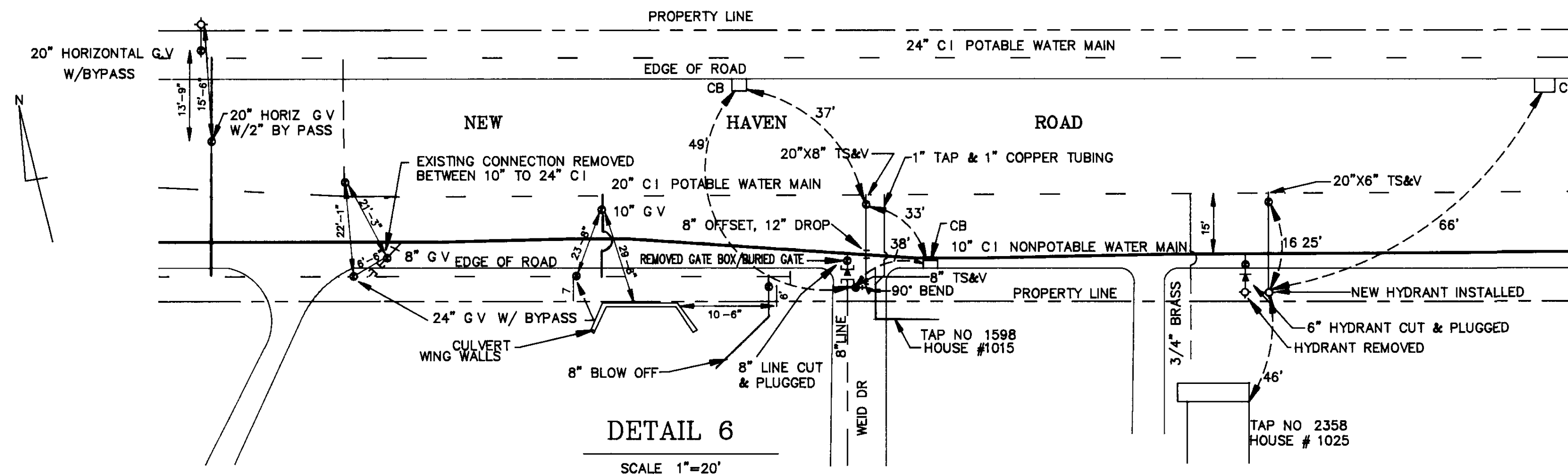
Naugatuck, CT



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK: <div>FOR INFORMATION ONLY</div>		NOT TO SCALE	 CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: <div>REHABILITATION OF BRIDGE NO. 06772 CARRYING ROUTE 63 OVER STRAITSVILLE BROOK</div>	TOWN(S): <div>NAUGATUCK</div>	DRAWING TITLE: <div>CT WATER EXISTING PLANS</div>	PROJECT NO.: <div>0087-0148</div>	DRAWING NO.: <div>CWC-13</div>
DESIGNER/DRAFTER: JJS CHECKED BY: NJM								SHEET NO.: <div>07.13</div>

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PLOTTED DATE: 5/6/2025

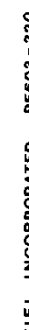


3	AS-BUILT REVISIONS AND SWING-TIES	10/26/89	24	30
2	REVISED VALVE SIZE	6/15/89	RH	30
1	ADDED NOTE AND REVISED TRANSFERS	6/5/89	RH	30
Revision	Description	Date	By	Approved By
Drawn By R H				
Date 2/2/89				
Approved by				
THE SENIOR ENGINEER				

PROPOSED TRANSFER OF SERVICES FROM 10" CI TO 20" CI AND 24" CI WATER MAINS
NEW HAVEN ROAD
NAUGATUCK, CONNECTICUT

Scale AS SHOWN
Drawing Number
NA-414
CA Number-2-0480-C23
Sheet 8 of 12

REV	DATE	REVISION DESCRIPTION



AWING NO.:
CWC-15

EET NO.:
07.15

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PLOTTED DATE: 5/6/2025