

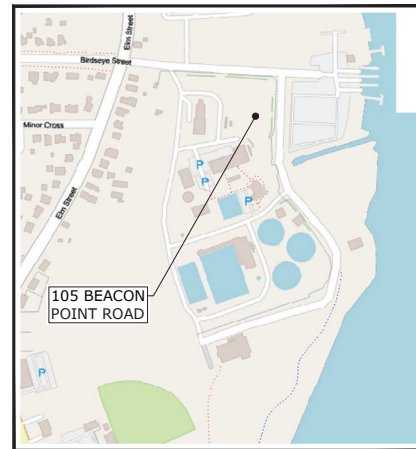
TOWN OF STRATFORD, CONNECTICUT

DIVERSION CHAMBER C - INLET PIPE MODIFICATIONS

TOWN OF STRATFORD WATER POLLUTION CONTROL AUTHORITY

ISSUED FOR BIDDING
SEPTEMBER 2026

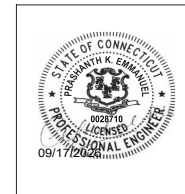
LIST OF DRAWINGS		
SHEET NO.	DRAWING NO.	DRAWING TITLE
GENERAL		
1	G-001	COVER SHEET
2	C-001	GENERAL NOTES, LEGEND AND ABBREVIATIONS
CIVIL		
3	C-101	PIPE LINING PLAN
4	C-201	MISCELLANEOUS EXISTING STRUCTURES



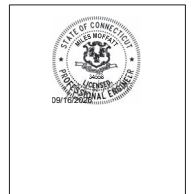
SITE LOCATION MAP
SCALE: 1" = 250'

PREPARED BY:

Tighe & Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
T 203.712.1100



PRASHANTH EMMANUEL, PE



MILES MOFFATT, PE, BCEE

PREPARED FOR:

TOWN OF STRATFORD

COMPLETE SET 4 SHEETS

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	_____	_____
PROPERTY LINE ADJACENT	_____	_____
RIGHT-OF-WAY LINE	_____	_____
EASEMENT LINE	_____	_____
INTERMEDIATE CONTOURS	-----	-----
INDEX CONTOURS	-----	-----
SPOT GRADE	_____ 25 _____ x 141.2	_____ 25 _____ + 32.0
MAGNITUDE & DIRECTION OF SLOPE	_____	_____ 0.0% _____
STORM DRAIN	_____ SD _____	_____ SD _____
STORM UNDERDRAIN	_____ UD _____	_____ UD _____
GZA WALL UNDERDRAIN	_____ D _____	_____ D _____
GZA WALL PILING	_____ SS _____	_____ SS _____
GRAVITY SANITARY SEWER	_____ SS _____	_____ SS _____
SANITARY SEWER FORCE MAIN	_____ SPM _____	_____ SPM _____
SANITARY SEWER LOW PRESSURE	_____ SSLP _____	_____ SSLP _____
SANITARY SEWER COMBINED	_____ COMB _____	_____ COMB _____
WATER SERVICE	_____ W _____	_____ W _____
PLANT WATER	_____ PW _____	_____ PW _____
FIRE SERVICE	_____ F _____	_____ F _____
HIGH PRESSURE FIRE SERVICE	_____ F-HP _____	_____ F-HP _____
UNDERGROUND ELECTRIC	_____ E _____	_____ E _____
PRIMARY ELECTRIC SERVICE	_____ PE _____	_____ PE _____
SECONDARY ELECTRIC	_____ SE _____	_____ SE _____
OVERHEAD ELECTRIC	_____ OE _____	_____ OE _____
TELEPHONE SERVICE	_____ T _____	_____ T _____
TEL-DATA SERVICE	_____ T-D _____	_____ T-D _____
COMMUNICATIONS SERVICE	_____ T-C _____	_____ T-C _____
CABLE TV SERVICE	_____ CTV _____	_____ CTV _____
GAS SERVICE	_____ G _____	_____ G _____
HOT WATER RETURN	_____ HWR _____	_____ HWR _____
HOT WATER SUPPLY	_____ HWS _____	_____ HWS _____
STEAM CONDENSATE	_____ C _____	_____ C _____
LOW PRESSURE STEAM	_____ LPS _____	_____ LPS _____
MEDIUM PRESSURE STEAM	_____ MPS _____	_____ MPS _____
HIGH PRESSURE STEAM	_____ HPS _____	_____ HPS _____
OXYGEN SERVICE	_____ O _____	_____ O _____
OVERHEAD UTILITY (UNSPECIFIED)	_____ OHW _____	_____ OHW _____
CURB	=====	=====
EDGE OF PAVEMENT	=====	=====
DIRT ROAD	=====	=====
SIDEWALK	=====	=====
RETAINING WALL	=====	=====
STONE WALL	=====	=====
FENCE - UNSPECIFIED	_____ X _____	_____ X _____
FENCE - CHAIN LINK	_____ X _____	_____ X _____
FENCE - WOOD POST	_____ O _____	_____ O _____
GUARDRAIL	_____ O _____	_____ O _____
METAL BEAM RAIL	_____ O _____	_____ O _____
TRAIN TRACKS	=====	=====
STORM DRAIN STRUCTURES	MANHOLE (C) CATCH BASIN (B) VALVE (V)	MANHOLE (C) AREA (A) CATCH BASIN (B) VALVE (V)
SANITARY SEWER STRUCTURES	MANHOLE (S) TANK (O)	MANHOLE (S) TANK (O)
WATER SERVICE STRUCTURES	HYDRANT (H) MANHOLE (C) VALVE (V)	HYDRANT (H) MANHOLE (C) VALVE (V)
GAS SERVICE STRUCTURES	MANHOLE (G) VALVE (V)	MANHOLE (G) VALVE (V)
ELECTRIC SERVICE STRUCTURES	UTILITY CO. # MANHOLE (E) LIGHT (L)	UTILITY CO. # MANHOLE (E) LIGHT (L)
TELECOMMUNICATIONS MANHOLE	(T)	(T)
TREELINE	=====	=====
TREE	EVERGREEN (E) DECIDUOUS (D) STUMP (S)	EVERGREEN (E) DECIDUOUS (D)

AC	ASBESTOS
AD	ASSISTED CEMENT
AE	ASTHENIC CURB
AF	BACKFLOW PREVENT
BF	BUTIMINOUS
BL	BURNING CURB
BUDG	BUILDING
BU	BURNING CURB
BT	BOTTOM OF CURB
BT	BOTTOM
BU	BOTTOM OF STEP
BU	BURNING CURB
CB	CEMENT
CCW	CEMENT CONCRETE
CE	CIST
CI	CAST IRON PIPE
CL	CL
CL	CHAIN LINK FENCE
CM	CONCRETE
CHP	CONCRETE
CH	CORRUGATED METAL
CH	POLYETHYLENE PIPE
CH	CH
DH	DRILL HOLE
DI	DUCTILE IRON PIPE
DI	DRILL HOLE
DI	DRAIN MANHOLE
DI	DRAIN MANHOLE
EF	EDGE
EF	EXISTING GRADE
ELEC	ELECTRIC
ELEC	ELECTRIC
EW	EDGE OF MANHOLE
EW	EDGE WAY
FE	FLARED END
FE	FLARED END SECT
FM	FRONT MAIN
FM	FRONT MAIN
GG	GAS GATE
GR	GRANITE
GR	HANDS
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HYD	HYDRANT
IN	INVERT
INV	INVERT
IP	PIPE
IP	PIPE
LP	LENGTH OF CURB
LP	LENGTH OF CURB
MAX	MAXIMUM
MAX	MAXIMUM
MIN	MINIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MISC	MISCELLANEOUS

NTC	NORTH
NVA	NOT IN THIS CONTRACT
N/S	NOT TO SCALE
NFA	NOT AFFIXABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
PCS	POINT CONTROL STRUCTURE
OH	OVERHEAD
P	PLANT BED
PC	POINT OF CURVATURE
PB	POINT OF COMPOUND
CC	CURVATURE
PCRP	PERFORATED CORRUGATED POLYETHYLENE PIPE
PIC	PERIOD OF INTERSECTION
PAC	POINT OF REVERSE CURVATURE
PROT	PROTECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
P	PAVED
R	RADIUS
RCV	REINFORCED CONCRETE PIPE
RD	RIGHT OF WAY
REV	REVISION
RT	RIGHT
RD	REMOVE
RD	REMOVE AND DISPOSE
RR	REMOVE AND RESET
RBS	REMOVE AND STACK
S	SOUTH
SAN	SANITARY
SC	SEWER
SMH	SEWER MANHOLE
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
STRM	STORM
T	TANGENT LENGTH
T	TOP OF CURB
TEL	TEL-DATA
TS	TEST PIT
TS	TOP OF STEP
W	TOP OF WALL
UP	UP
TYP	TYPICAL
W	WATER
WG	WATER GATE
W	WATER
WM	WATER TRANSFORMER

1. NOTIFY "CALL BEFORE YOU DIG" 1-800-922-4455 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE "CALL BEFORE YOU DIG" LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
2. REFERENCE IS MADE TO SURVEY ENTITLED "PROPERTY SURVEY OF 105 BEACON POINT ROAD, STRATFORD, CONNECTICUT," PREPARED FOR STRATFORD WPCA PREPARED BY ACCURATE LAND SURVEYING LLC, DATED AUGUST 26, 2024 AND 1974 HURRICANE DIKE PROJECT.
3. EXISTING CONDITIONS ARE BASED IN PART ON AN AS-BUILT PLAN PREPARED BY CDM CAMP DRESSER & MCKEE INC., DATED MARCH 2006. ELEVATIONS IN FEET CORRESPOND TO NAVD83 (11/01/2011), NAVD83+NOV09+11.1.
4. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
6. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
7. TITLE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY, COORDINATION WITH THE OWNER, SUBCONTRACTORS, AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, AND THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
9. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
10. PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LINE AND STATUS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
11. NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
12. EXCAVATE WITH EQUIPMENT SELECTED TO MINIMIZE DAMAGE TO EXISTING UTILITIES OR OTHER FACILITIES. HAND EXCAVATE AS NECESSARY TO LOCATE UTILITIES AND AVOID DAMAGE.
13. TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGG AREAS AT THE COMPLETION OF EACH DAY'S WORK.
14. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT; THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
16. MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
17. REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
18. THE TERM "DEMOLISH" USED ON THE DRAWINGS MEANS TO REMOVE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
19. THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
20. ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.
21. CONTRACTOR TO ENSURE ALL SOIL AND EROSION PROTOCOLS AS LISTED IN WATER POLLUTION CONTROL FACILITY STRATFORD, CONNECTICUT FLOOD PROTECTION SYSTEM IMPROVEMENTS 100% DESIGN DRAWINGS, JULY 2024 ARE FOLLOWED DURING LINING WORK.

RESOURCE AREAS	
VEGETATED WETLAND LIMIT	
TOP OF BANK	
MEAN ANNUAL HIGH WATER	
LAND SUBJECT TO FLOODING	
100-FOOT BUFFER ZONE	
200-FOOT RIVERFRONT AREA	
LOCAL RESOURCE AREA	
LOCAL BUFFER ZONE - 1	
LOCAL BUFFER ZONE - 2	
WETLAND DELINEATION	
WETLANDS WATER COURSE	
WETLAND FLAG	
MEAN HIGH TIDE LINE	
COASTAL JURISDICTION LINE	



Diversion Chamber C - Inlet Pipe Modifications

Town of Stratford
Water Pollution
Control Facility

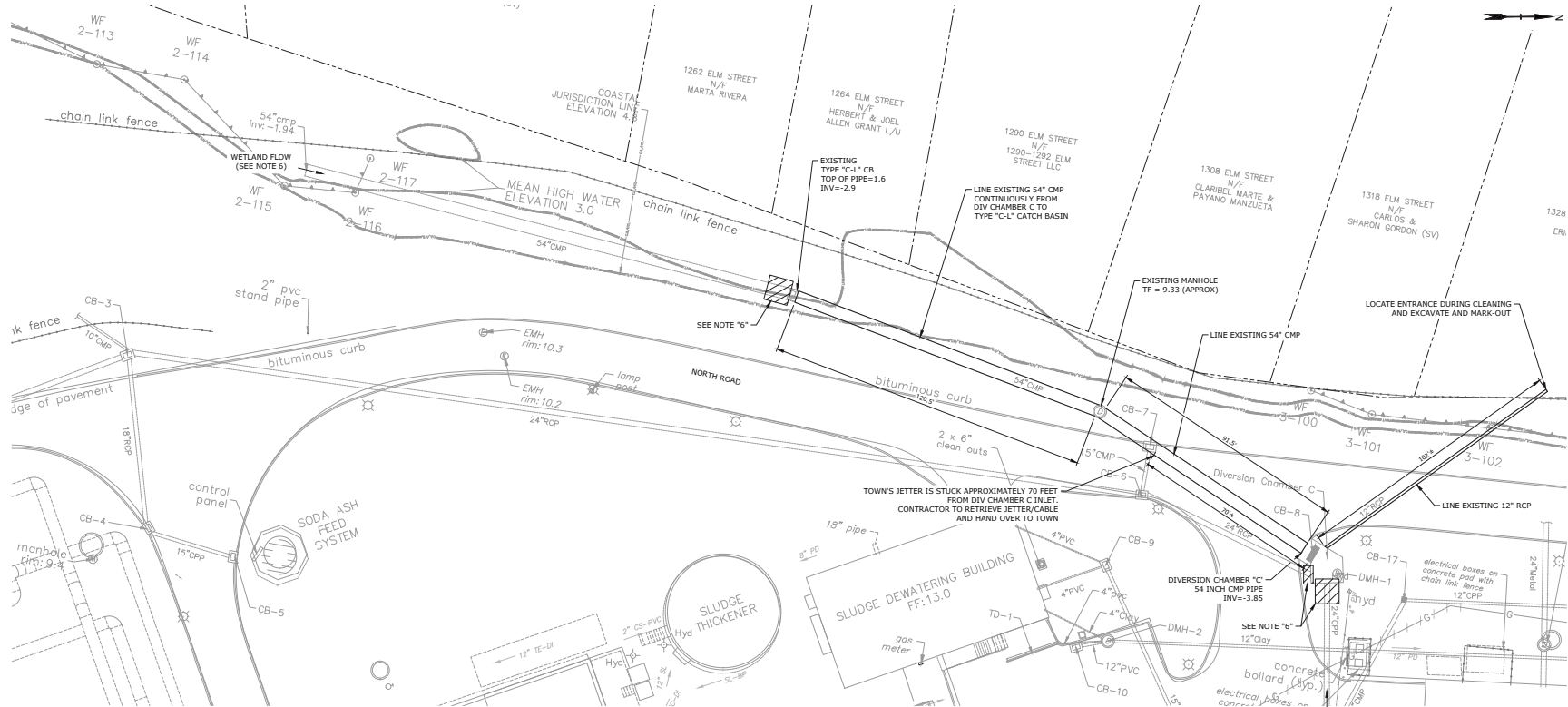
Stratford,
Connecticut

MARK	DATE	DESCRIPTION
PROJECT NO:	S1924-053A	
DATE:	SEPTEMBER 2026	
FILE:	S1924-053A-C-001-GENR.dwg	
DRAWN BY:	M.SANSONE	
DESIGNED BY:	T.SCHWARTZ	
CHECKED BY:	P. EMMANUEL	
APPROVED BY:	M.MOFFATT	

GENERAL NOTES, LEGEND AND ABBREVIATIONS

SCALE: AS SHOWN

C-001



PIPE LINING PLAN NOTES:

1. THE 1974 DRAWING SHOWS THE DIVERSION C INLET PIPE AS 54-INCH CMP.
2. LINING WORK FOR THIS PROJECT WILL BE FROM CATCH BASIN TO DIVERSION CHAMBER C STRUCTURE.
3. CONTRACTOR TO USE EXISTING ACCESS POINTS (DIVERSION CHAMBER C AND CATCH BASIN) FOR INSERTION AND TERMINATION OF THE LINER.
4. CONTRACTOR TO NOTE THAT GROUND WATER WAS OBSERVED 5-FEET BELOW GRADE. THE CONTRACTOR SHALL IDENTIFY AND CONTROL GROUNDWATER INFILTRATION THAT MAY INTERFERE WITH INSTALLATION OR CURING OF THE CIPP WORK.
5. LINING WORK WILL NEED TO OCCUR DURING DRY WEATHER AND LOW RIVER CONDITIONS. CONTRACTOR SHALL MONITOR RAINFALL, RIVER LEVELS FOR THE DURATION OF THE LINING WORK (INSTALL, CURING AND TESTING) TO MINIMIZE THE NEED FOR DIVERTING THE INLAND WETLAND FLOW INTO THE EFFLUENT PUMP STATION.
6. CONTRACTOR SHALL PLUG PIPE TO ENSURE RIVER WATER OR WETLAND FLOW WILL NOT ENTER THE CHAMBER C PIPE DURING THE CIPP WORK.
7. EXISTING DRAWINGS SHOW A SLUICE GATE ON THE CHAMBER C STRUCTURE. THIS GATE IS NOT OPERATIONAL AND CONTRACTOR SHALL NOT RELY ON THIS FOR CIPP WORK.
8. REFER TO SHEET C-201 FOR ADDITIONAL VIEWS OF DIVERSION CHAMBER C, CATCH BASIN & MANHOLE STRUCTURE
9. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
10. THE 54" LINE IS ANTICIPATED TO HAVE APPROXIMATELY 12- 24 INCHES OF SEDIMENT. CONTRACTOR TO REMOVE AND DISPOSE SEDIMENT ACCORDINGLY PRIOR TO CIPP WORK.
11. THE 12" RCP INLET HEADWALL IS BURIED AND CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND EXCAVATING THE INLET PRIOR TO CLEANING, CIPP AND LINING WORK.

PIPE LINING PLAN LEGEND:

PROPERTY LINE - - - - -



**ISSUED FOR
BID**

Diversion Chamber C - Inlet Pipe Modifications

Town of Stratford
Water Pollution
Control Facility

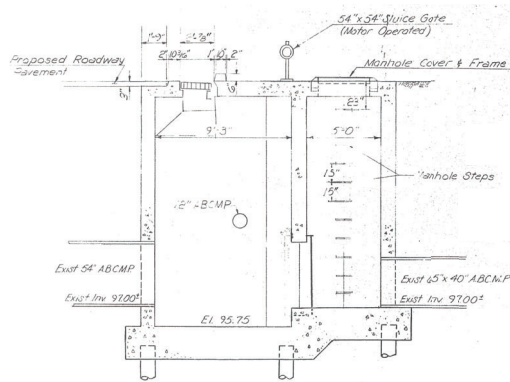
Stratford,
Connecticut

MARK	DATE	DESCRIPTION
PROJECT NO:		S1924-053A
DATE:		SEPTEMBER 2024
FILE:		S1924-053A-C-101-PIPE.dwg
DRAWN BY:		M.SANSONE
DESIGNED BY:		P. EHRMANN
CHECKED BY:		R. RICHARDSON
APPROVED BY:		M. HOFFART

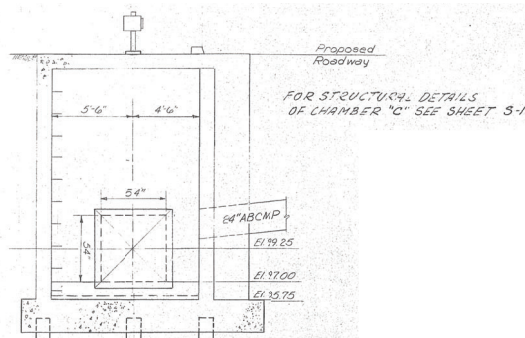
PIPE LINING
PLAN

SCALE: 1" = 20'

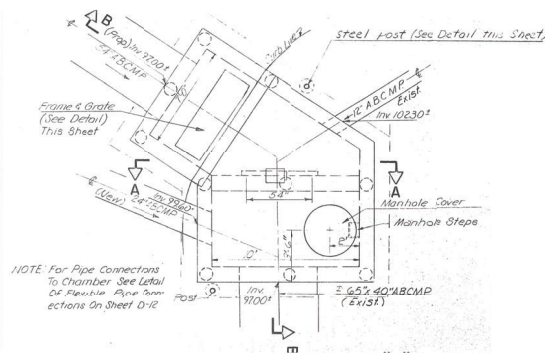
C-101



SECTION "B-B"
SCALE: 1/4" = 1'-0"

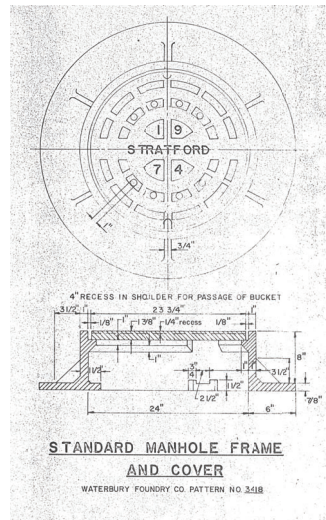


SECTION "A-A"
SCALE: 1/4" = 1'-0"



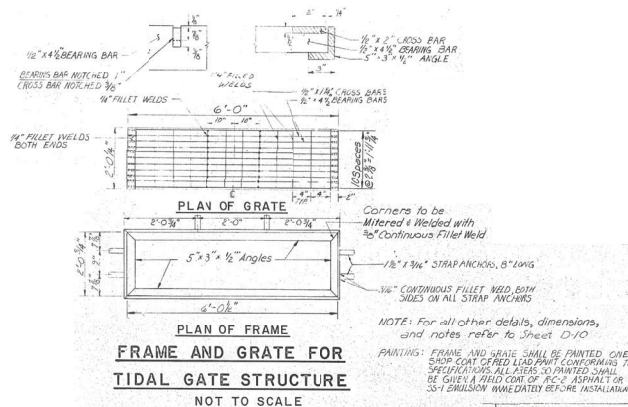
DIVERSION CHAMBER C

DETAIL
NO SCALE



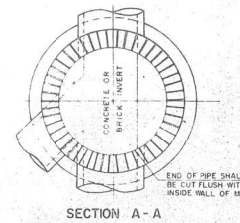
MANHOLE FRAME AND COVER

DETAIL
NO SCALE

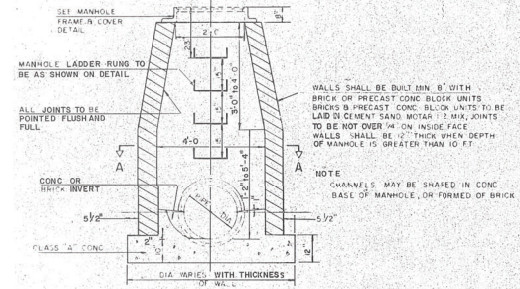


FRAME AND GRATE FOR TIDAL STRUCTURE

DETAIL
NO SCALE

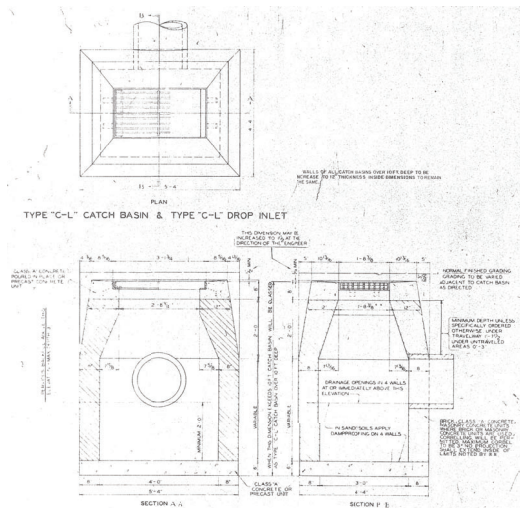


SECTION A-A



MANHOLE

DETAIL
NO SCALE



TYPE "C-L" CATCH BASIN

DETAIL
NO SCALE

NOTES

1. THE EXISTING STRUCTURES WERE OBTAINED FROM THE 1974 DWGS. CONTRACTOR TO CONFORM OPENINGS OF THE EXISTING STRUCTURES MATCH ACTUAL CONDITION AND MODIFICATIONS OF THESE STRUCTURES ARE NOT ANTICIPATED FOR THE CIPP WORK.

MARK	DATE	DESCRIPTION
PROJECT NO:	S1924-0534	
DATE:	SEPTEMBER 2024	
FILE:	S1924-0534-C-201-DTL.dwg	
DRAWN BY:	M. SANDONE	
DESIGNED BY:	P. EMMANUEL	
CHECKED BY:	R. RICHMOND	
APPROVED BY:	M. MORFITT	

MISCELLANEOUS
EXISTING STRUCTURES

SCALE: AS SHOWN