

TOWN OF GLASTONBURY DRAINAGE IMPROVEMENTS PW - 2402 LOCATED AT 483-532 MATSON HILL ROAD



LOCATION MAP
SCALE: 1" = 100'

- CTDOT STANDARD SHEETS**
- HW-586-03** CATCH BASIN TOPS TYPE "C" AND "C-L" DOUBLE GRATE TYPE 1I STRUCTURES
 - HW-586-04** PRECAST CATCH BASIN AND ROUND STRUCTURES
 - HW-586-07a** CATCH BASIN TOPS TYPE "C" AND "C-L"
 - HW-586-07c** CATCH BASIN TOPS TYPE "C" AND "C-L" DOUBLE GRATE TYPE II TOPS

JONATHAN LUIZ
TOWN MANAGER

DANIEL A. PENNINGTON
MANAGER OF PHYSICAL SERVICES/TOWN ENGINEER

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ISSUED FOR PERMITTING 7-5-2024

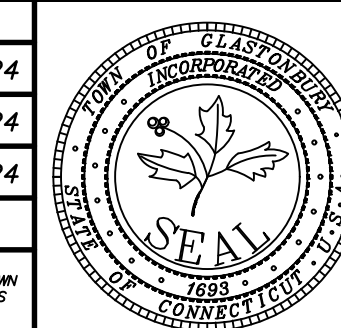
Certified to be substantially correct

DANIEL A. PENNINGTON P.E. Reg. No. 20101

SHEET NO. 1-4
DESIGNED BY: GLASTONBURY ENGINEERING DIVISION
PER: DANIEL A. PENNINGTON, P.E.
CONN. P.E. REGISTRATION: 20101

P.W. 2402

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DRAINAGE IMPROVEMENTS
LOCATED ON
MATSON HILL ROAD
GLASTONBURY, CONNECTICUT

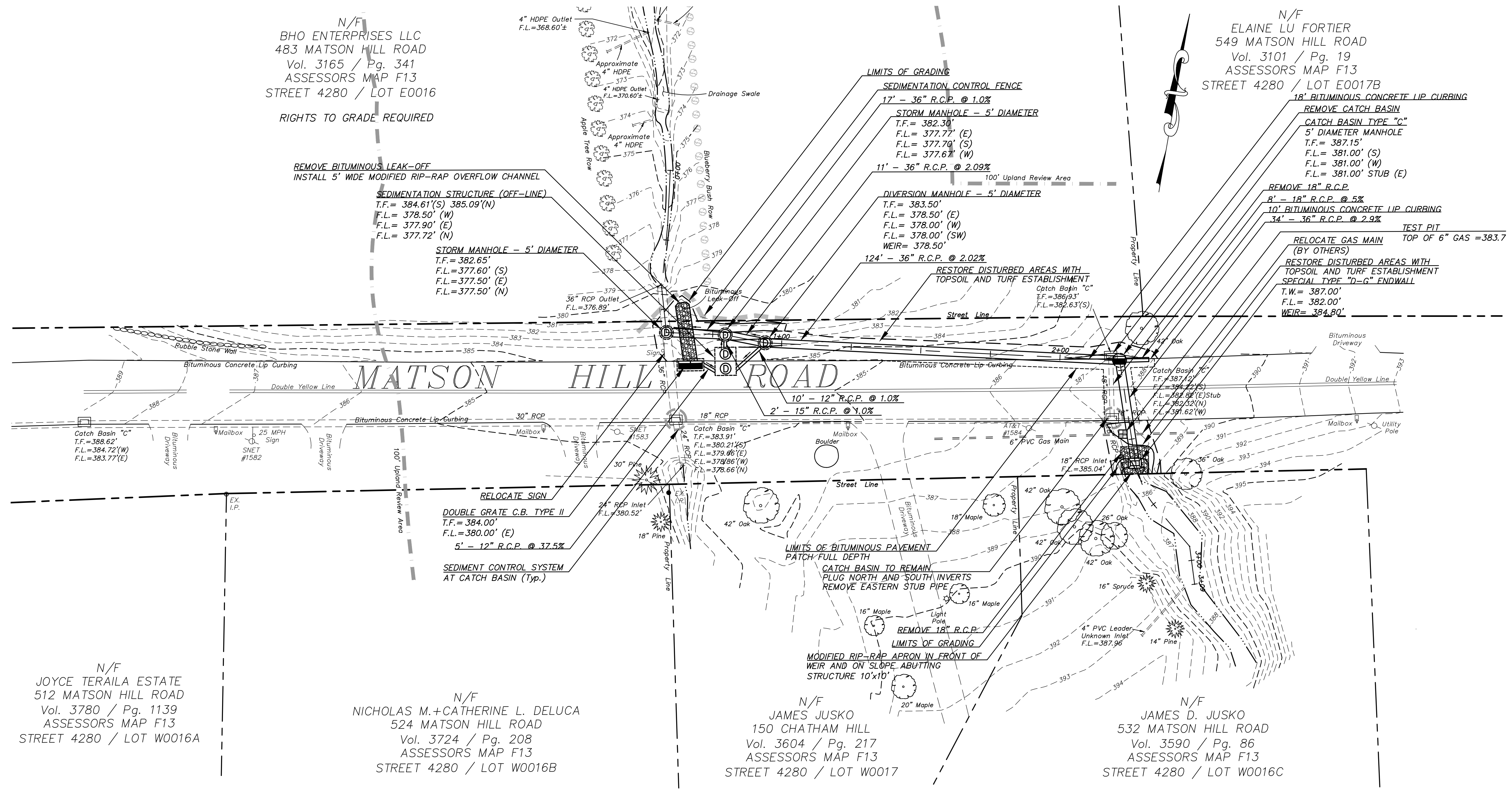
SHEET NO.

1

OF 4

N/F
BHO ENTERPRISES LLC
483 MATSON HILL ROAD
Vol. 3165 / Pg. 341
ASSESSORS MAP F13
STREET 4280 / LOT E0016
RIGHTS TO GRADE REQUIRED

N/F
ELAINE LU FORTIER
549 MATSON HILL ROAD
Vol. 3101 / Pg. 19
ASSESSORS MAP F13
STREET 4280 / LOT E0017B



N/F
JOYCE TERAILA ESTATE
512 MATSON HILL ROAD
Vol. 3780 / Pg. 1139
ASSESSORS MAP F13
STREET 4280 / LOT W0016A

N/F
NICHOLAS M.+CATHERINE L. DELUCA
524 MATSON HILL ROAD
Vol. 3724 / Pg. 208
ASSESSORS MAP F13
STREET 4280 / LOT W0016B

N/F
JAMES JUSKO
150 CHATHAM HILL
Vol. 3604 / Pg. 217
ASSESSORS MAP F13
STREET 4280 / LOT W0017

N/F
JAMES D. JUSKO
532 MATSON HILL ROAD
Vol. 3590 / Pg. 86
ASSESSORS MAP F13
STREET 4280 / LOT W0016C

NOTE:
LOCATION OF FEATURES AND CONTOUR DATA DEPICTED HEREON WERE ACQUIRED BY FIELD SURVEY ON JANUARY 2024.

THERE IS NO BOUNDARY/DETERMINATION OPINION.

HORIZONTAL CONTROL IS BASED ON THE CONNECTICUT GEODETIC SURVEY STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 - (NAD83).

ELEVATIONS AND VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 - (NAVD88).

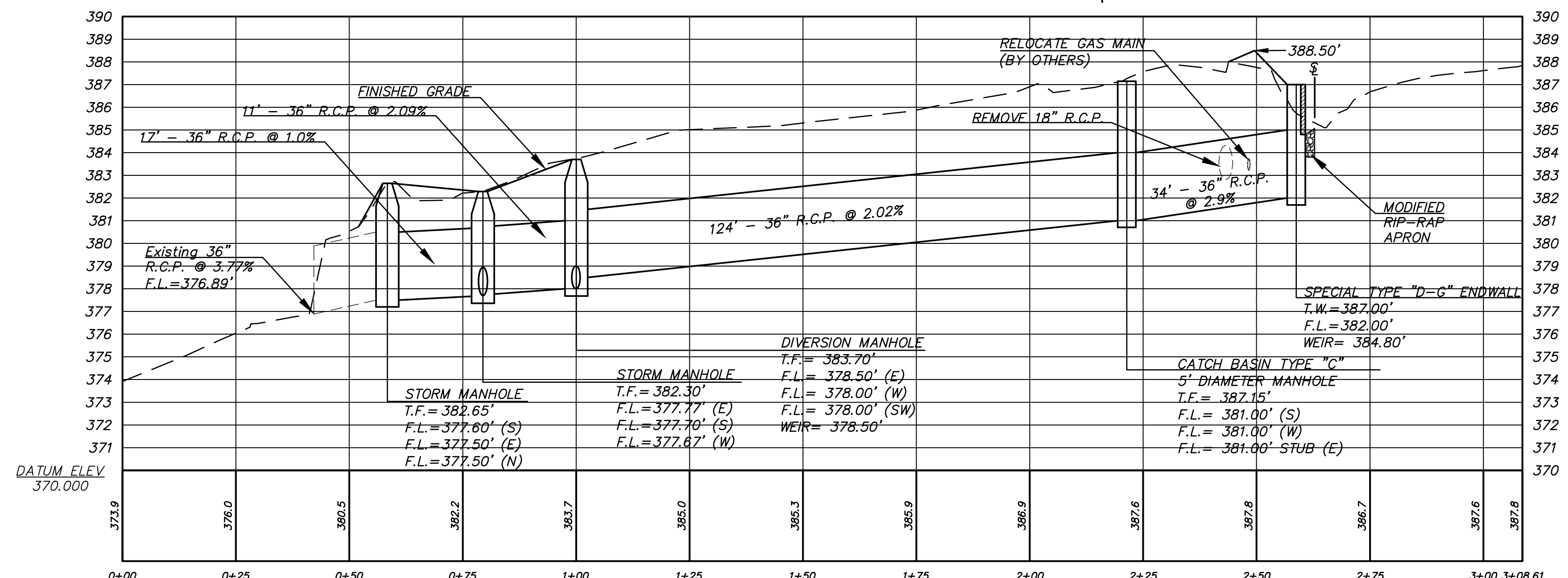
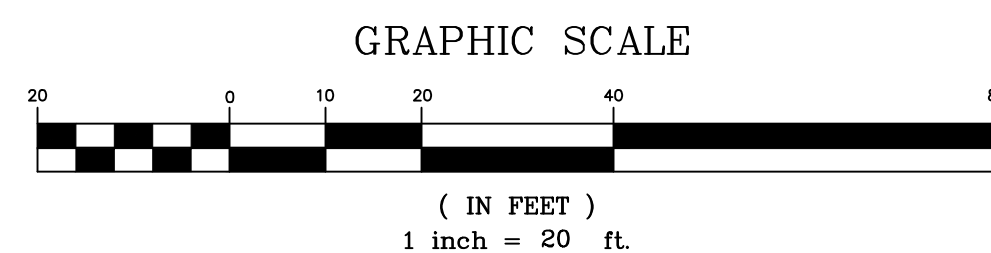
THIS PROPERTY IS SUBJECT TO EASEMENTS, RIGHTS, COVENANTS AND RESTRICTIONS AS MAY BE DEPICTED HEREON AND/OR AS OF RECORD THEY MAY APPEAR, AND TO ANY AND ALL PROVISIONS OF ANY ORDINANCE, FEDERAL, STATE OR MUNICIPAL REGULATION, OR PUBLIC OR PRIVATE LAW, AS SUCH MAY APPLY.

THE BOUNDARY LINES OF PROPERTIES ADJACENT TO THE SUBJECT PREMISES ARE DEPICTED HEREON FOR INFORMATIONAL PURPOSES ONLY AND HAVE NOT BEEN FIELD VERIFIED.

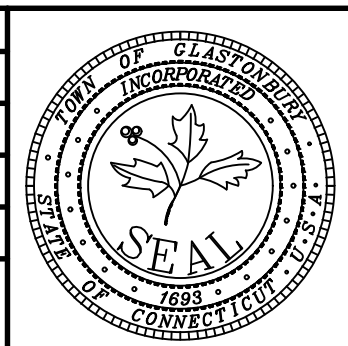
THE LOCATION OF THE ABOVE-GROUND IMPROVEMENTS DEPICTED HEREON WERE FIELD VERIFIED BY THE TOWN OF GLASTONBURY TO THE EXTENT POSSIBLE, EXCEPT AS MAY BE NOTED ON THIS DRAWING. THERE MAY BE CERTAIN ADDITIONAL FEATURES WHICH EXIST ON THIS SITE AND THAT ARE NOT APPARENT AND/OR VISIBLE, INCLUDING CERTAIN UNDERGROUND STRUCTURES AND/OR OTHER SUBSURFACE FEATURES, AND WHICH ARE THEREFORE NOT SHOWN ON THIS DRAWING.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND APPURTENANCES DEPICTED HEREON HAVE BEEN COMPILED FROM PHYSICAL EVIDENCE OBTAINED IN THE FIELD. MAPPING BY OTHERS AS MAY BE PUBLICLY AVAILABLE FROM UTILITY COMPANIES, OTHER AGENCIES AND/OR INDIVIDUALS, AND/OR OTHER UNVERIFIED RECORDED SOURCES SUCH AS CONTRACTORS' AS-BUILTS, THE TOWN OF GLASTONBURY HAS NOT FIELD LOCATED THE UNDERGROUND UTILITIES EXCEPT TO THE EXTENT THAT THEY ARE VISIBLE AT THE EXISTING GROUND SURFACE. THE UNDERGROUND UTILITY INFORMATION DEPICTED ON THIS DRAWING MUST BE CONSIDERED APPROXIMATE IN NATURE, MAY BE INCOMPLETE, AND MAY NOT REPRESENT ALL UNDERGROUND UTILITIES IN THE AREA, EITHER CURRENTLY IN SERVICE OR ABANDONED.

PROFILE:
SCALE:
HORIZONTAL 1"=20'
VERTICAL 1"=4'

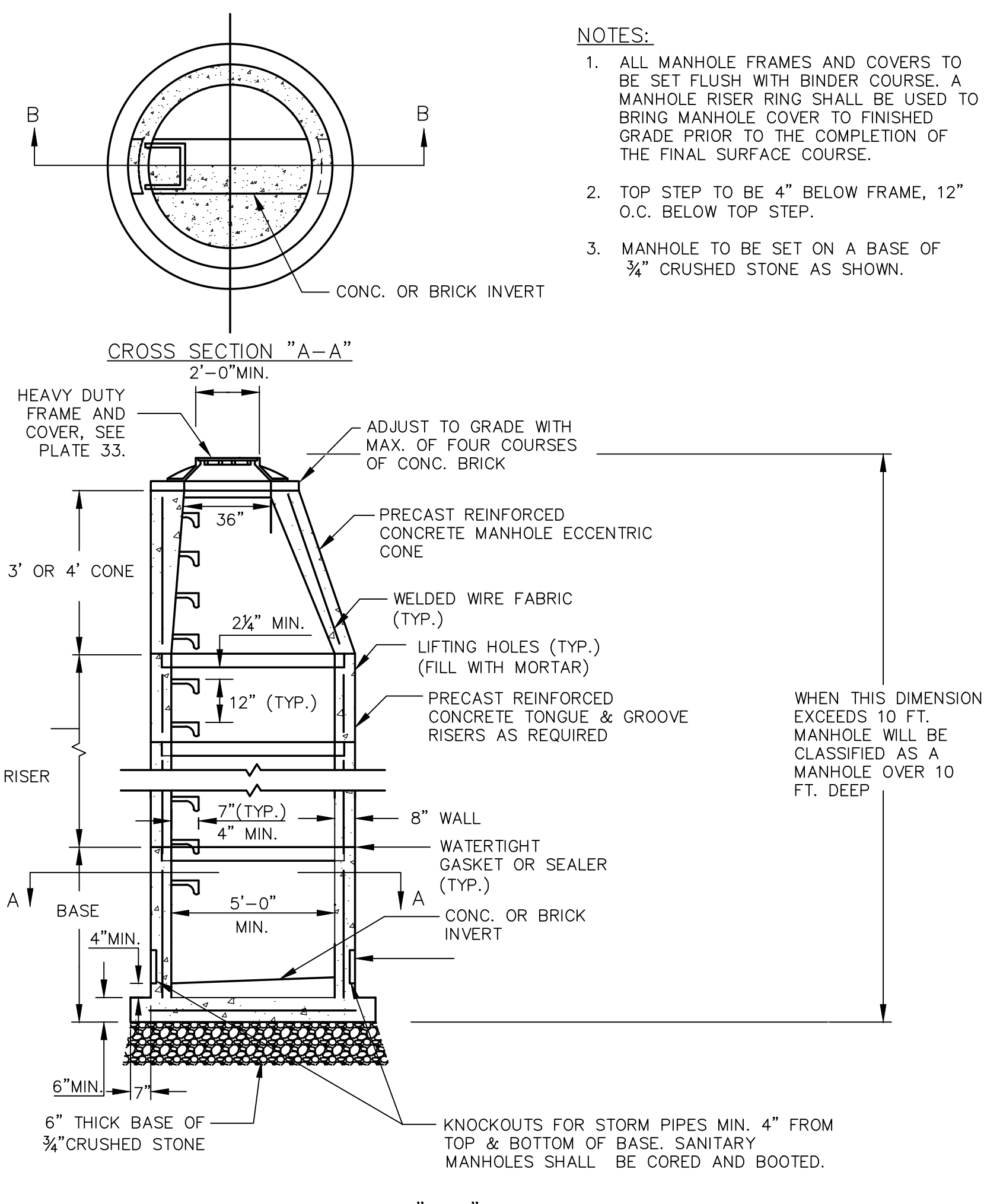


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		ST. FILE:	
		MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN IN PROJECT MANAGER. IF THESE ARE NOT DISSEMINATED TO ALL PROJECT PARTICIPANTS, THE PROJECT WILL BE INCOMPLETE. ENGINEERING OFFICE AT (860) 632-7135.	

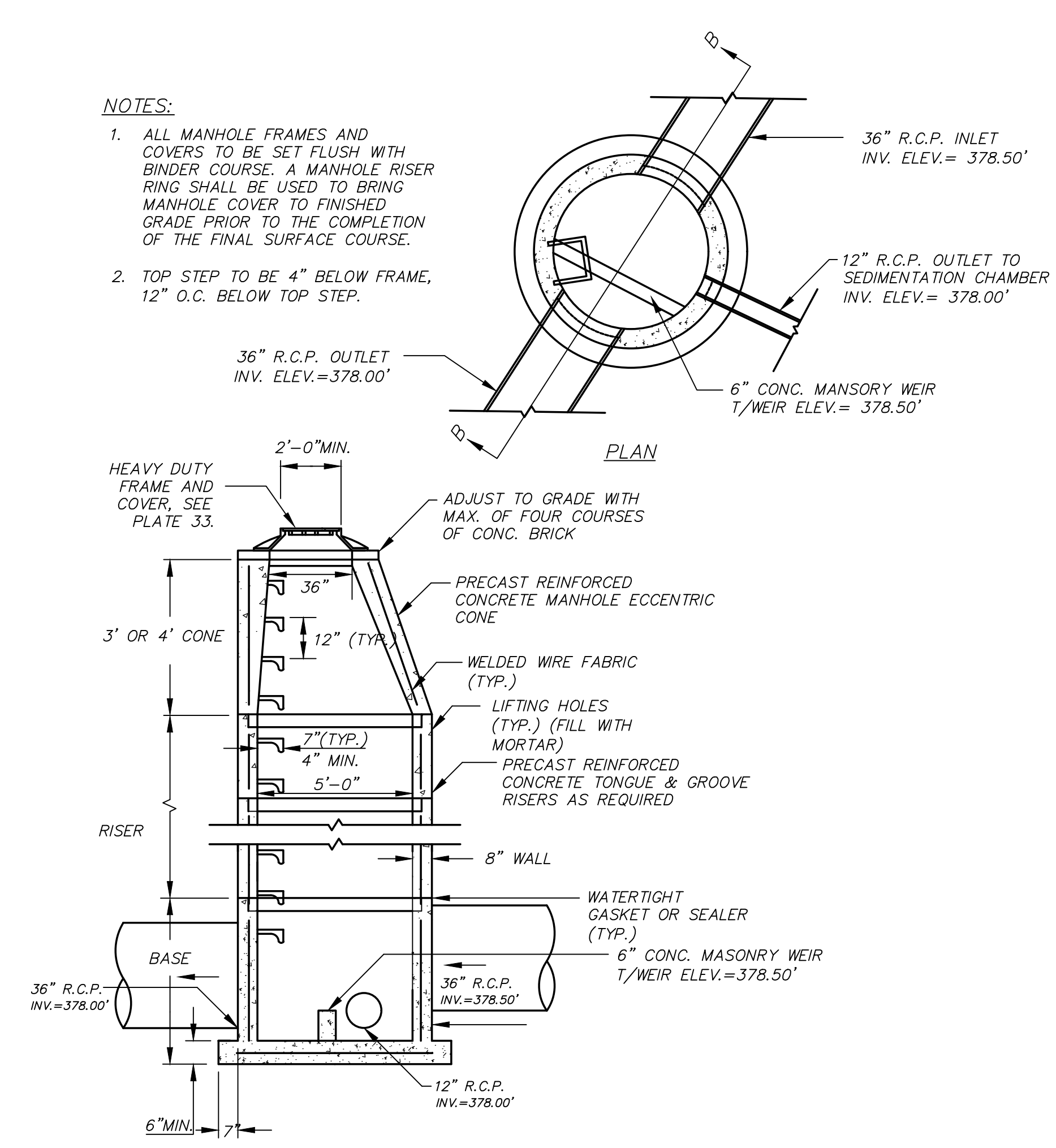


PLAN DEPICTING
DRAINAGE IMPROVEMENTS
LOCATED ON
MATSON HILL ROAD
GLASTONBURY, CONNECTICUT

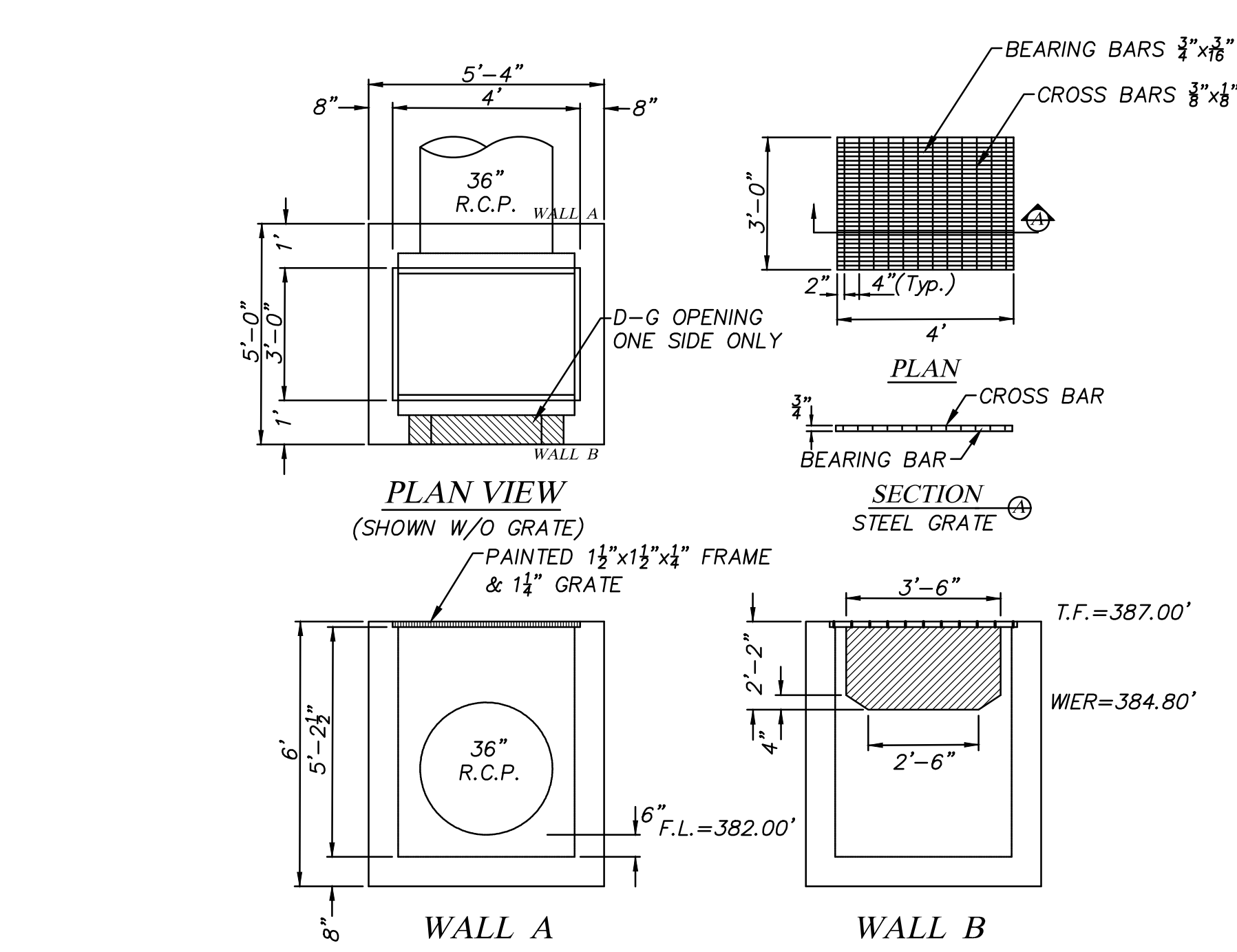
FILE: H:\DWG\Streets\Matson Hill R\DWG_2402\2402.Matson Hill Road Storm Drainage Rehabilitation - Design - 12.dwg USER: Steven Troy DATE: 7/10/2024



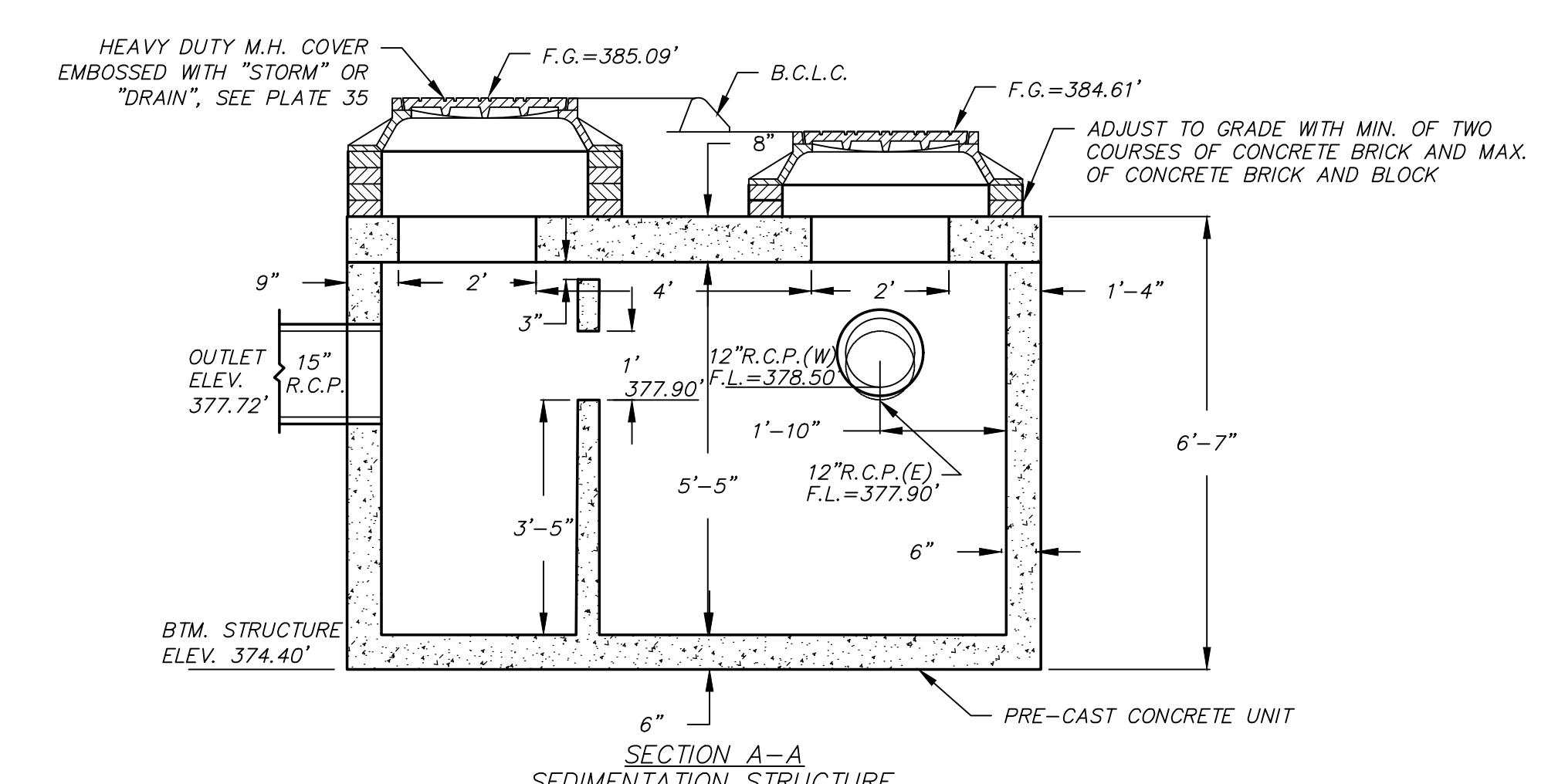
5' PRECAST CONCRETE MANHOLE (STORM & SANITARY)



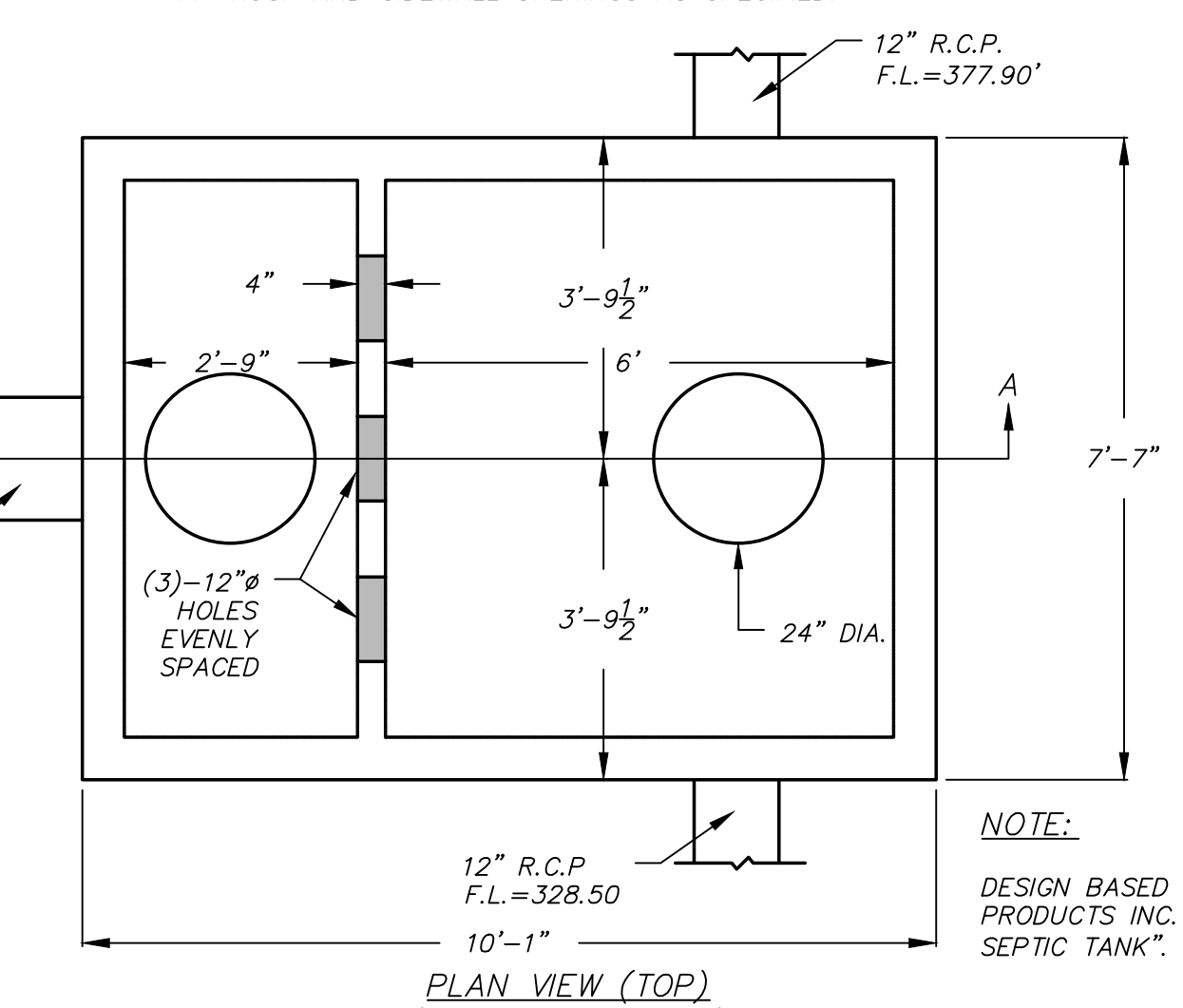
5' PRECAST CONCRETE DIVERSION MANHOLE (WITH WEIR) (NOT TO SCALE)



SPECIAL D-G ENDWALL (NOT TO SCALE)



PRECAST SEDIMENTATION STRUCTURE (NOT TO SCALE)



PLAN VIEW (TOP) (COVERS REMOVED)

GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE DEPARTMENT OF PHYSICAL SERVICES SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

- ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
- ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
- ALL CONTROL MEASURES SHALL BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
- NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER.
- THE LIMITS OF CLEARING, GRADING AND DISTURBANCE, AS SHOWN ON THE PLAN(S), SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF CLEARING SHALL REMAIN TOTALLY UNDISTURBED.
- ANY CONTROL MEASURES RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT IMMEDIATELY REMOVED, AND ALL DAMAGED CONTROL MEASURES SHALL BE REMOVED AND REPLACED.
- ALL NEW AND EXISTING CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED WITH A SEDIMENTATION CONTROL SYSTEM IN GRASSED AREAS OR WITH A SEDIMENTATION CONTROL SACK IN PAVED AREAS UNTIL ALL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
- SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
- THE PLANTING SEASONS FOR THE SPECIFIED SEED MIXTURE SHALL BE AS DEFINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, UNLESS DIRECTED OTHERWISE BY THE TOWN ENVIRONMENTAL PLANNER. OUTSIDE OF THESE SPECIFIED DATES, AREAS WILL BE STABILIZED WITH HAYBALE CHECK DAMS, FILTER FABRIC, OR WOODCHIP MULCH AS REQUIRED TO CONTROL EROSION.

PROJECT NARRATIVE:

THIS PROJECT INVOLVES THE INSTALLATION OF APPROXIMATELY 190 LINEAR FEET OF 36-INCH DIAMETER REINFORCED CONCRETE PIPE ALONG A PORTION OF MATSON HILL ROAD ABUTTING #483 AND #532 IN ORDER TO INCREASE DRAINAGE SYSTEM CAPACITY AND ADDRESS RECENT FLOODING EXPERIENCE ON PROPERTY OF #483. THE DRAINAGE IMPROVEMENTS INCLUDE A NEW DOUBLE CATCH BASIN WITH SUMP AT THE LOW POINT OF THE ROAD THAT WILL REPLACE THE EXISTING PAVED LEAK-OFF IN THIS AREA. ALSO INCLUDED IN THE PROJECT IS AN OFF-LINE SEDIMENTATION CHAMBER THAT WILL TREAT STORMWATER FROM THE DOUBLE CATCH BASIN AND LOW-FLOWS FROM THE NEW 36-INCH CULVERT IN ORDER TO REDUCE THE AMOUNT OF SEDIMENT BEING DISCHARGED DOWNSTREAM. THE TOTAL AREA OF DISTURBANCE FOR THE PROJECT IS APPROXIMATELY 0.06 ACRES OF UPLAND REVIEW AREA INCLUDING APPROXIMATELY 10 LINEAR FEET OF IMPACT TO THE EXISTING WATERCOURSE DUE TO INSTALLATION OF THE NEW INLET STRUCTURE.

THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED FOR CONSTRUCTION ACTIVITIES IN THESE AREAS IN ORDER TO MINIMIZE THE POTENTIAL FOR IMPACT TO WETLANDS AND WATERCOURSES.

- CONSTRUCTION SEQUENCE**
- STAKE LIMITS OF GRADING AND DISTURBANCE IN THE FIELD PRIOR TO START OF CONSTRUCTION.
 - INSTALL SILT FENCE AT THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS. INSTALL SILT SACKS IN ALL ABUTTING CATCH BASINS.
 - REMOVE TREES AND STUMPS AS REQUIRED FOR GRADING AND INSTALLATION OF PROPOSED IMPROVEMENTS.
 - DRAINAGE IMPROVEMENTS SHALL BE CONSTRUCTED FROM THE DOWNSTREAM END TO THE UPSTREAM END WHICH WILL ALLOW STORMWATER TO BE CONVEYED VIA THE EXISTING DRAINAGE SYSTEM UNTIL SUCH TIME AS THE SPECIAL D-G ENDWALL INLET STRUCTURE IS TO BE INSTALLED.
 - PRIOR TO INSTALLATION OF THE D-G ENDWALL INLET STRUCTURE, SUBMIT WATER HANDLING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL AS REQUIRED TO CONVEY ANY ACTIVE FLOW WITHIN THE INTERMITTENT WATERCOURSE AND PERFORM THIS WORK IN DRY CONDITIONS. IMPLEMENT WATER HANDLING PLAN PRIOR TO INSTALLATION OF THE D-G ENDWALL INLET STRUCTURE.

PROJECT SPECIFIC SEDIMENTATION AND EROSION CONTROL PLAN

CONSTRUCTION ACTIVITIES OF CONCERN RELATIVE TO THE PROTECTION OF ADJACENT WETLANDS AND WATERCOURSES FROM SEDIMENTATION ARE AS FOLLOWS:

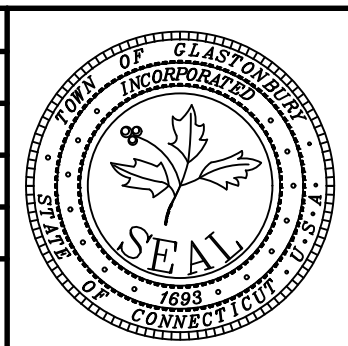
- DEWATERING:** OPEN TRENCH EXCAVATIONS WILL NEED TO BE DEWATERED AS NECESSARY FOR PROPER INSTALLATION OF THE PROPOSED PIPES. IN THESE AREAS, ALL WATER REMOVED FROM THE TRENCH SHALL BE ADEQUATELY TREATED PRIOR TO DISCHARGE USING MEASURES DESCRIBED IN SECTION 5-13 OF THE 2002 CT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. THIS MAY INCLUDE A STONE SUMP AND STANDPIPE FOR PUMP INTAKE PROTECTION, AND A DIRT BAG OR PUMPING SETTLING BASIN FOR TREATMENT OF THE PUMPED WATER PRIOR TO DISCHARGE.
- STOCKPILING:** EXCAVATED MATERIAL SHALL NOT BE STOCKPILED ADJACENT TO STORM DRAIN INLETS, WETLANDS, OR WATERCOURSES. WHEN IT IS NECESSARY BASED ON THE PROPOSED METHODS OF CONSTRUCTION TO STAGE EXCAVATED MATERIAL FOR SHORT DURATIONS IN THE VICINITY OF STORM DRAIN INLETS, THESE INLETS SHALL BE PROPERLY PROTECTED AS DESCRIBED ON THE PLANS. LONGER DURATION STOCKPILING OF MATERIAL, WHEN NECESSARY, SHALL BE ONLY IN LOCATIONS APPROVED IN ADVANCE BY THE ENGINEER, AND SUCH STOCKPILES SHALL BE RINGED WITH A SEDIMENTATION CONTROL SYSTEM.
- DISTURBED AREAS:** LIMITS OF DISTURBANCE SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLAN. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH THE FINAL SURFACE TREATMENT AS SOON AS POSSIBLE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. DISTURBED AREAS WITH STEEP OR LONG SLOPES AND OTHER AREAS WITH SIGNIFICANT POTENTIAL FOR CAUSING SEDIMENTATION SHALL BE PROTECTED WITH TEMPORARY STRAW MULCH, WOOD CHIPS, EROSION CONTROL MATTING, OR OTHER SUITABLE MATERIALS PRIOR TO SIGNIFICANT FORECASTED RAIN STORM EVENTS TO REDUCE EROSION POTENTIAL.
- CULVERTS CONVEYING WATERCOURSES:** CULVERTS CONVEYING WATERCOURSES SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO PROVIDE A TEMPORARY BYPASS OF THE WORK AREA THROUGH A TEMPORARY PIPE OR OTHER MEANS APPROVED BY THE ENGINEER AS REQUIRED TO CONVEY STORMWATER THROUGH THE WORK AREA AND ENSURE THAT DOWNSTREAM WETLAND AREAS ARE PROTECTED FROM SEDIMENTATION AND EROSION.
- SEVERE WEATHER CONTINGENCY PLAN:** IN ADVANCE OF A SEVERE WEATHER EVENT, ALL EROSION CONTROLS DESCRIBED ABOVE AND ELSEWHERE ON THE PLANS SHALL BE INSPECTED AND ADJUSTED AS NECESSARY.

RESPONSIBLE PARTIES:

THE CONTRACTOR SHALL PROVIDE A REPRESENTATIVE WHO IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN. THIS INCLUDES THE INSTALLATION AND MAINTENANCE OF ALL CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

- NOTES:**
- BAFFLE CONSTRUCTION TO BE CAST MATERIAL WITH THROUGH HOLES ABOVE FLOW LINE.
 - ADJUST M.H. FRAME TO SUIT REQUIRED FIELD HEIGHT.
 - CONSTRUCTION JOINT - SEALED WITH 1" DIA. BUTYL RUBBER OR ACCEPTABLE EQUIVALENT
 - DESIGN LOADING - ASHTO HS20.
 - STEEL REINFORCEMENT - ASTM A-615-75, GRADE 60, MIN 2" MIN. COVER.
 - CONCRETE SIDEWALL STRENGTH - 5,000 P.S.I. @ 28 DAYS.
 - ROOF AND SIDEWALL OPENINGS AS SPECIFIED.

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DETAILS DEPICTING DRAINAGE IMPROVEMENTS LOCATED ON MATSON HILL ROAD GLASTONBURY, CONNECTICUT

TEMPORARY PAVEMENT REPAIR DETAIL

PERMANENT PAVEMENT REPAIR DETAIL

NOTES:

- PROCESS STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE M.05.01 OF THE FORM 817 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
- PERMANENT TRENCH REPAIRS FOR STREETS WITH CONCRETE PAVEMENT OR CONCRETE BASE MAY CONSIST OF 2" HMA S0.5", 6" HMA S1.0", AND 10" GRAVEL SUBBASE AT THE DISCRETION OF THE TOWN ENGINEER.
- AT THE REQUEST OF THE TOWN ENGINEER THE CONTRACTOR SHALL VERIFY AND SUBMIT PROPER TESTING RESULTS THAT COMPACTION MEETS WITH TOWN'S STANDARDS FOR A 95% COMPACTED DENSITY.

	LOCAL OR COLLECTOR	ARTERIAL (> 3000 ADT)
HMA S0.375"	1.5"	N/A
HMA S0.5"	2"	3" (IN TWO LIFTS)
HMA S1.0"	N/A	6" (IN TWO LIFTS)

SCALE: NONE		TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR		TEMPORARY AND PERMANENT PAVEMENT REPAIRS
CHECKED BY: SMB		
APPROVED BY: DAP		
LAST REVISED: 3/28/2017		PLATE NO. 3

MANHOLE FRAME AND COVER

NOTES:

- FRAME & COVER TO BE HEAVY DUTY TOTAL WEIGHT APPROX. 640LBS. ALL SURFACES TO BE MACHINE FINISHED.
- FRAME AND COVERS SHALL BE CAMPBELL FOUNDRY #1221-5012 "METROPOLITAN DISTRICT COMMISSION" OR EAST JORDAN IRON WORKS #00220513 (FRAME) WITH #00220546 (SEWER COVER) OR #00220527 (STORM COVER) "HARTFORD MDC" OR APPROVED EQUAL.
- STORM COVER MUST HAVE "STORM" OR "DRAIN" EMBOSSED ON IT.
- MANHOLE FRAMES WITH 24" I.D. FLANGES MAY BE USED ON STRUCTURES THAT ARE NOT MANHOLES (EG. SED. STRUCTURE, FIRE TANK, CB CONVERSIONS, ETC.)
- BOLTED FRAMES AND COVERS SHALL BE PROVIDED FOR ALL MANHOLES INSTALLED IN OFF-ROAD LOCATIONS AS SHOWN ON PLATE 34.

SCALE: NONE		TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR		MANHOLE FRAME AND COVER
CHECKED BY: SMB		
APPROVED BY: DAP		
LAST REVISED: 9/1/2016		PLATE NO. 33

SEDIMENTATION CONTROL FILTER FABRIC FENCE SYSTEM

Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

STANDARD UNDERDRAIN

STORM SEWER TRENCH

NOTES:

- PERFORATIONS TO BE PLACED UP OR DOWN AS SPECIFIED BY THE ENGINEER
- HOLES ARE TO BE 1/2" DIA. OR 5/8" DIA.
- PIPE SHALL BE MIN. 6" DIA.
- SLOTTED REINFORCED CONC. PIPE (SRCP) CAN BE USED AS A COMBINED STORM AND UNDERDRAIN SYSTEM.
- ALL UNDERDRAIN TO BE OUTLETTED DIRECTLY INTO A CATCH BASIN. THE TOP OF THE UNDERDRAIN PIPE IS TO MATCH THE TOP OF THE OUTLET PIPE.
- INCLUDE CLEANOUTS AT SPACING NOT TO EXCEED 150 FEET.

- ALL STORM DRAIN INSTALLED WITHIN TOWN RIGHT-OF-WAY SHALL BE CONCRETE PIPE. ALL CONCRETE PIPE SHALL BE MINIMUM CLASS IV UNLESS OTHERWISE SPECIFIED.
- USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.
- PIPE BEDDING MATERIALS SHALL BE SAND OR SANDY SOIL, ALL OF WHICH PASSES 3/8" SIEVE AND <10% PASSING NO. 200 SIEVE.
- WHEN GROUND WATER IS ENCOUNTERED, 3/4" STONE SHALL BE SUBSTITUTED FOR PIPE BEDDING, AND BACKFILLED TO 12" ABOVE THE TOP OF PIPE.

SCALE: NONE		TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR		TRENCH FOR STORM DRAIN AND UNDER DRAIN
CHECKED BY: SMB		
APPROVED BY: DAP		
LAST REVISED: 9/1/2016		PLATE NO. 20

BITUMINOUS CONCRETE LIP CURBING

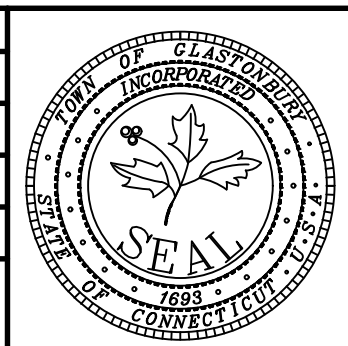
RIp-RAP CHANNEL (NOT TO SCALE)

RIp-RAP APRON FOR SPECIAL D-G ENDWALL (NOT TO SCALE)

SCALE: NONE		TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR		TRENCH FOR STORM DRAIN AND UNDER DRAIN
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APPROVED BY: DAP		
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SEDIMENT CONTROL SYSTEM AT CATCH BASIN (NOT TO SCALE)

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