

**TOWN OF GLASTONBURY
GL-2018-05**

**ADDISON ROAD SIDEWALK PROJECT
MAIN STREET (RT17) SIDEWALK PROJECT**

ADDENDUM NO. 1

AUGUST 31, 2017

BID DUE DATE: SEPTEMBER 7, 2017 11:00 A.M.

The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum in the Bid Proposal by inserting its number on Page BP-1.

Make the following modifications to the Contract Documents:

BID PROPOSAL FORM:

The bid proposal form is hereby replaced with the attached. ALL BIDDERS MUST USE THE **REVISED BID PROPOSAL FORM.**

CONSTRUCTION PLANS:

Sheets 1, 2, and 6 of the "PLANS DEPICTING PROPOSED SIDEWALKS ON ADDISON ROAD, GLASTONBURY CONNECTICUT" are hereby amended per the attached marked up plans. Changes shown on Sheets 1 and 6 include elimination of the Type 'C' Catch Basin located at Station 4+02 left from the contract and elimination of work associated with the Items "RELOCATE GAS MAIN" and "RELOCATE WATER SERVICE" since this work is no longer required. Changes shown on Sheet 2 include removal of the existing catch basin at the intersection with Mill Street and replacing it with a Type "C" Catch Basin Double Grate Type II. ConnDOT Standard Detail Sheets HW-507_06 and HW-507_07 are also added to the contract for the proposed double grate catch basin.

SPECIAL PROVISIONS:

Section 1.06 Control of Materials is hereby removed and replaced with the attached updated version.

The following Special Provisions are hereby added to the contract:

**ITEM 0507003A REMOVE EXISTING CATCH BASIN
ITEM 0507022A TYPE "C" CATCH BASIN DOUBLE GRATE TYPE II
ITEM 0651012A 15" R.C. PIPE**

The following Special Provisions are hereby deleted from the contract:

**ITEM 0507001A TYPE "C" CATCH BASIN
ITEM 1303400A ADJUST WATER SERVICE
ITEM 1501236A RELOCATE GAS MAIN**

Note: This addendum consists of 14 pages including the above text and 5 plan sheets.

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
BID PROPOSAL - REVISED**

**ADDENDUM #1
BID #GL-2018-05**



TOWN OF GLASTONBURY * 2155 MAIN STREET * GLASTONURY * CT

BID / PROPOSAL NO: GL-2018-05 **DATE DUE:** SEPTEMBER 7, 2017

DATE ADVERTISED: AUGUST 24, 2017 **TIME DUE:** 11:00 AM

NAME OF PROJECT: Addison Road Sidewalks from Norman Drive to Hebron Avenue (Rte. 94)
Main Street (Rte. 17) Sidewalks from Hopewell Road to #906 Main Street

In compliance with this Invitation to Bid, the Bidder hereby proposes to provide goods and/or services as per this solicitation in strict accordance with the Bid Documents, within the time set forth therein, and at the prices submitted with their bid response.

It is the responsibility of the Bidder to clearly mark the outside of the bid envelope with the Bid Number, Date and Time of Bid Opening, and it also **THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN'S WEBSITE BEFORE SUBMITTING BID FOR ADDENDA POSTED PRIOR TO BID OPENING.**

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA AS REQUIRED:

Addendum #1 _____(Initial/Date) Addendum #2 _____(Initial/Date) Addendum #3 _____(Initial/Date)

OTHER ITEMS REQUIRED WITH SUBMISSION OF BID PROPOSAL:

The following bid checklist describes items required for inclusion with the above-referenced bid proposal package. It is provided for the convenience of the bidders and, therefore, should not be assumed to be a complete list.

- _____ 1. Included Bid Bond as per Section 10 of the Information for Bidders.
- _____ 2. Included Disclosure of Past and Pending Mediation, Arbitration, and Litigation cases against the Bidder or its Principals as per Section 17 of the Information for Bidders.
- _____ 3. Included Qualifications Statement as per Section 21 of the Information for Bidders.
- _____ 4. Checked Town web site for Addenda and acknowledged Addenda on page BP-1.
- _____ 5. Acknowledged Non-Collusion Affidavit on page BP-3.
- _____ 6. Acknowledged Code of Ethics on page BP-3.
- _____ 7. Clearly marked envelope with Bid Number, Date, Time of opening, Bidder's Company Name and address.

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
BID PROPOSAL - REVISED**

**ADDENDUM #1
BID #GL-2018-05**

BIDDER NAME: _____

| <u>LINE NO.</u> | <u>ITEM NO.</u> | <u>ITEM DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>UNIT PRICE</u> | <u>EXT</u> |
|-----------------|-----------------|-------------------------|-------------|------------|-------------------|------------|
|-----------------|-----------------|-------------------------|-------------|------------|-------------------|------------|

| | | | | | | |
|----|---------|--|------|-------|--|--|
| 1 | 0201001 | A CLEARING AND GRUBBING | L.S. | 1 | | |
| 2 | 0202513 | A REMOVAL OF CONCRETE SIDEWALK | S.Y. | 105 | | |
| 3 | 0219003 | SEDIMENTATION CONTROL FILTER FABRIC FENCE SYSTEM | L.F. | 60 | | |
| 4 | 0219011 | A SEDIMENT CONTROL SACK | EA. | 4 | | |
| 5 | 0404100 | A BITUMINOUS CONCRETE PATCHING-FUL DEPTH | S.Y | 13 | | |
| 6 | 0507003 | A REMOVE EXISTING CATCH BASIN | EA. | 1 | | |
| 7 | 0507022 | A TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II | EA. | 1 | | |
| 8 | 0507831 | A CONVERT CATCH BASIN TO MANHOLE | EA. | 1 | | |
| 9 | 0601651 | A SEGMENTAL RETAINING WALL (SITE NO. 1) | L.S. | 1 | | |
| 10 | 0601652 | A SEGMENTAL RETAINING WALL (SITE NO. 2) | L.S. | 1 | | |
| 11 | 0601653 | A SEGMENTAL RETAINING WALL (SITE NO. 3) | L.S. | 1 | | |
| 12 | 0651012 | A 15" R.C. PIPE | L.F. | 16 | | |
| 13 | 0815001 | BITUMINOUS CONCRETE LIP CURBING | L.F. | 212 | | |
| 14 | 0905019 | A REMOVE AND REBUILD EXISTING STONE WALL | L.S. | 1 | | |
| 15 | 0921001 | A CONCRETE SIDEWALK | S.F. | 4,470 | | |
| 16 | 0921002 | A CONCRETE SIDEWALK-8" THICK | S.F. | 700 | | |
| 17 | 0921005 | A CONCRETE SIDEWALK RAMP | EA. | 7 | | |
| 18 | 0922501 | A BITUMINOUS CONCRETE DRIVEWAY | S.Y. | 250 | | |
| 19 | 0944000 | A FURNISH AND PLACING TOPSOIL | S.Y. | 880 | | |

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
BID PROPOSAL - REVISED**

**ADDENDUM #1
BID #GL-2018-05**

BIDDER NAME: _____

| LINE NO. | ITEM NO. | | ITEM DESCRIPTION | UNIT | QTY | UNIT PRICE | EXT |
|----------|----------|---|--|------|-----|------------|-------------|
| 20 | 0950005 | A | TURF ESTABLISHMENT | S.Y. | 880 | | |
| 21 | 0970006 | A | TRAFFICPERSON (MUNICIPAL OFFICER) | EST. | 1 | | \$12,800.00 |
| 22 | 0970007 | A | TRAFFICPERSON (UNIFORMED FLAGGER) | HR. | 480 | | |
| 23 | 0971001 | A | MAINTENANCE AND PROTECTION OF TRAFFIC | L.S. | 1 | | |
| 24 | 0975002 | | MOBILIZATION | L.S. | 1 | | |
| 25 | 0981100 | | 42" TRAFFIC CONE | EA. | 20 | | |
| 26 | 1206023 | A | REMOVAL AND RELOCATION OF EXISTING SIGNS | EA. | 2 | | |
| 27 | 1220013 | | CONSTRUCTION SIGNS BRIGHT FLOURESCENT SHEETING | S.F. | 120 | | |
| 28 | 1501235 | A | ADJUST GAS SERVICE | C.Y. | 10 | | |

TOTAL BASE BID AMOUNT: \$ _____
(Numeric)

WRITTEN TOTAL BASE BID AMOUNT: _____

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
BID PROPOSAL**

**ADDENDUM #1
BID #GL-2018-05**

NON-COLLUSION AFFIDAVIT:

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to their own organization that this bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.

CODE OF ETHICS:

I/We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I/We are selected. Yes _____ No _____*

*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the Bidder has not agreed to the above statement.

Respectfully submitted:

Type or Print Name of Individual

Doing Business as (Trade Name)

Signature of Individual

Street Address

Title

City, State, Zip Code

Date

Telephone Number/Fax Number

E-Mail Address

SS# or TIN#

(Seal – If bid is by a Corporation)

Attes

SECTION 1.06 CONTROL OF MATERIALS

Article 1.06.01 - Source of Supply and Quality:

Add the following:

For the following items the contractor shall submit a complete description of the item, working drawings, catalog cuts and other descriptive literature which completely illustrates such items presented for formal approval. Such approval shall not change the requirements for a certified test report and materials certificate as may be called for. All shop drawings shall be submitted at one time, unless otherwise approved by the Engineer.

1. Concrete
2. Wire Mesh Reinforcing
3. Processed Stone for Sidewalks
4. Processed Stone for Retaining Wall Base
5. Drainage Aggregate for Retaining Wall
6. Expansion Joint Material
7. Joint Sealant
8. Steel Dowel
9. Speed Dowel Sleeves
10. Detectable Warning Tile
11. Segmental Retaining Wall Stones
12. Bituminous Concrete for Driveway/Aprons
13. Bituminous Concrete for Patching
14. Manhole Frame and Cover
15. Type "C" Catch Basin Components
16. Bituminous Concrete Lip Curbing
17. Topsoil
18. Seed Mixture
19. Sediment Control Sack
20. Silt Fence
21. 4" PVC Drainage Pipe-Perforated and Solid
22. ¾" Washed Landscape Stone
23. 15" R.C.Pipe

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
SPECIAL PROVISIONS**

**ADDENDUM #1
BID #GL-2018-05**

| | |
|-------------------------------|---|
| <u>ITEM # 0507003A</u> | <u>REMOVE EXISTING CATCH BASIN</u> |
| <u>ITEM # 0507022A</u> | <u>TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II</u> |
| <u>ITEM # 0507831A</u> | <u>CONVERT CATCH BASIN TO MANHOLE</u> |

These items shall conform to Section 5.07 CATCH BASINS, MANHOLES, AND DROP INLETS of the Form 817, modified as follows:

Construction Methods:

Trench excavation, backfill and dewatering for these items shall be according to the special provisions for "EARTH TRENCH EXCAVATION AND BACKFILL" and "TRENCH DEWATERING", included elsewhere in these specifications.

Method of Measurement:

Conversion of catch basins to catch basins of the type specified or to manholes, as the case may be, will be measured for payment as a unit including excavation, cutting of pavement, removal and replacement of pavement, pervious material, backfill and all necessary alterations to the walls and furnishing and setting the frame and grate or cover, whichever applies.

There will be no direct measurement for trench excavation, structure excavation, shoring, dewatering, backfilling, or consolidation in the installation of the various drainage appurtenances.

There will be no measurement for any work related to saw cutting, removal and replacement of pavement; or pervious material and backfill unless otherwise specified in the Contract.

New Catch Basin structures shall be measured and paid for as a single unit, regardless of catch basin type.

Basis of Payment:

The work under these items shall be paid for at the unit contract price as listed in the Bid Proposal for each for type of catch basins and drop inlet complete in place and shall include all materials, tools, equipment, and labor necessary to complete the installation of these units in conformity with the plans or as specified, including excavation, removal and replacement of pavement and base material, saw cutting, and pervious backfill.

Conversion of drainage structures will be paid for at the Contract unit price for each "Convert Catch Basin to Manhole", complete in place, which price shall include excavation, cutting of pavement, removal and replacement of pavement, pervious material, backfill, all alterations to existing catch basin or manhole, all materials including catch basin frame and grate of the type specified or manhole frame and cover, all equipment, tools and labor incidental thereto.

The work associated with removal and disposal of existing catch basins shall be measured and paid for each catch basin removed under the item "Remove Existing Catch Basin" as listed in the bid proposal. When existing drainage pipes associated with a catch basin are also identified to be removed on the plans, this work will not be measured and paid for separately, but rather shall be included in the cost of the removal of the catch basin associated therewith. The payment for removal and disposal of existing catch basin shall include all materials, tools, equipment, and labor necessary to complete the excavation and removal of these units, including associated drainage pipes, in conformity with the plans, or as specified.

Rock excavation greater than one-half (½) C.Y., when encountered during the course of this work, will be paid for at the contract unit price per cubic yard for "Rock Excavation and Disposal" as listed in the Bid Proposal.

**ADDISON ROAD SIDEWALK PROJECT AND
MAIN STREET (RTE. 17) SIDEWALK PROJECT
SPECIAL PROVISIONS**

**ADDENDUM #1
BID #GL-2018-05**

| <u>Item No.</u> | <u>Description</u> | <u>Unit</u> |
|-----------------|---|-------------|
| 0507003A | REMOVE EXISTING CATCH BASIN | EA. |
| 0507022A | TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II | EA. |
| 0507831A | CONVERT CATCH BASIN TO MANHOLE | EA. |

ITEM # 0651012A 15" R.C. PIPE

These items shall conform to Section 6.51 CULVERTS of the Form 817, modified as follows:

Construction Methods:

Trench excavation, backfill and dewatering for these items shall be according to the special provisions for "EARTH TRENCH EXCAVATION AND BACKFILL" and "TRENCH DEWATERING", included elsewhere in these specifications.

All drainage pipe installed within the Town right-of-way shall be reinforced concrete pipe (RCP) Class IV or Class V as required for the specific application.

Method of Measurement:

There will be no direct measurement for trench excavation and there will be no measurement for payment for gravel fill, bedding material, or for the cost of modifications required to existing manholes or catch basins as required for connecting proposed drainage pipes with existing drainage structures, but the cost thereof shall be included in the contract unit price per linear foot for the size and type of pipe being installed.

Trench excavation, dewatering, backfilling and consolidation will not be measured for payment.

Rock in trench will be measured for payment in accordance with the special provision for "ROCK EXCAVATION" included elsewhere in these specifications.

Basis for Payment:

The work under these items will be paid for at the contract unit price as listed in the Bid Proposal per linear foot for the size of pipe specified, complete in place including trench excavation, dewatering, gravel fill, bedding material, backfilling and consolidation, and all other materials, equipment, tools, and labor incidental thereto.

| <u>Item No.</u> | <u>Description</u> | <u>Unit</u> |
|------------------------|---------------------------|--------------------|
| 0651012A | 15" R.C. PIPE | L.F. |

FILE: H:\DWG\Streets\Addison Rd\PW:1613 ADDISON ST. HEB-NORMAN SIDEWALK IMPROVEMENTS.PW:1613 ADDISON Rd. Hebron-Norman Dr. Sidewalk v1.dwg USER: Steven Troy DATE: 8/21/2017

PROJECT NARRATIVE:
THIS PROJECT INCLUDES THE CONSTRUCTION OF APPROXIMATELY 1,000 LINEAR FEET OF NEW FOUR-FOOT-WIDE CONCRETE SIDEWALKS ALONG ADDISON ROAD BETWEEN NORMAN DRIVE AND HEBRON AVENUE, ROUTE 94. THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF RETAINING WALLS AT THREE DIFFERENT LOCATIONS DUE TO STEEP SLOPES ADJACENT TO ADDISON ROAD. TOTAL AREA OF DISTURBANCE IS APPROXIMATELY 0.3 ACRES.

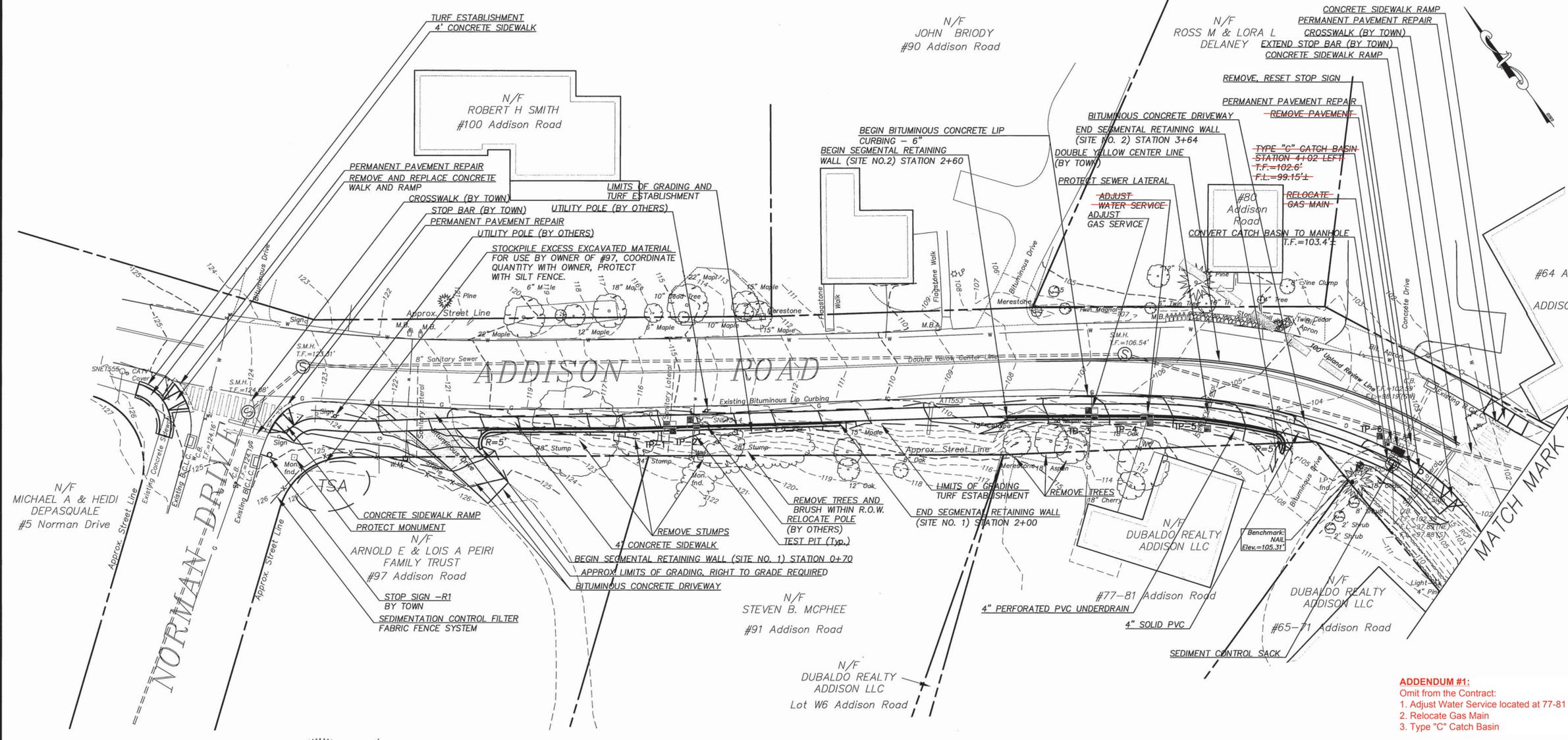
PROJECT SPECIFIC SEDIMENTATION AND EROSION CONTROL PLAN
CONSTRUCTION ACTIVITIES OF CONCERN RELATIVE TO THE PROTECTION OF ADJACENT WETLANDS AND WATERCOURSES FROM SEDIMENTATION ARE AS FOLLOWS:

- 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.
- 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.

- 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.

- CONSTRUCTION NOTES:**
- ALL PROPERTY LINE AND RIGHT OF WAY INFORMATION DEPICTED ON THESE PLANS WERE TAKEN FROM TOWN OF GLASTONBURY ASSESSOR MAPS AND ARE TO BE CONSIDERED APPROXIMATE AND INFORMATIONAL IN NATURE, AND ARE NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY DETERMINATION.
 - ALL UTILITY INFORMATION AND DATA SHOWN OR INDICATED IN THE CONTRACT DOCUMENTS ARE COMPILED FROM MAPS AND DATA FURNISHED BY OTHERS. ANY SUCH INFORMATION SHOULD NOT BE CONSTRUED AS ACCURATE OR COMPLETE AND THE CONTRACTOR SHALL VERIFY ALL LOCATIONS PRIOR TO CONSTRUCTION.
 - THESE PLANS ARE NOT TO BE USED FOR THE LOCATION OF UNDERGROUND UTILITIES - Call Before You Dig (1-800-922-4445) A MINIMUM OF TWO WORKING DAYS BEFORE PERFORMING ANY EXCAVATION.
 - ALL TREES NOT IDENTIFIED FOR REMOVAL SHALL BE TRIMMED BY A LICENSED ARBORIST AS REQUIRED TO RAISE THE CANOPY FOR ACCESS BY CONSTRUCTION EQUIPMENT AND PEDESTRIANS. SUCH TREES AND OTHER PLANTINGS ADJACENT TO THE WORK AREA SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCE. THIS WORK SHALL BE INCLUDED UNDER ITEM #021001A CLEARING AND GRUBBING WITHIN THE SPECIFICATIONS.
 - INSTALLATION OF TREE PROTECTION TRENCH AND ADDITIONAL HAND PRUNING OF ROOTS DISTURBED DURING EXCAVATION SHALL BE PERFORMED BY A CT LICENSED ARBORIST.
 - INSTALL SILT SACKS IN CATCH BASINS ADJACENT TO WORK AREA FOR PROTECTION OF INLETS FROM SEDIMENTATION.
 - PAVEMENT MARKINGS ARE NOT INCLUDED IN THIS CONTRACT.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PER THE SPECIFICATIONS. IF MUNICIPAL POLICE OFFICERS ARE REQUIRED, THE TOWN OF GLASTONBURY WILL PROVIDE A DIRECT PAYMENT FOR THIS COST.
 - THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL WORK AREAS AT THE END OF EACH DAY THROUGHOUT THE DURATION OF THIS PROJECT.
 - CONTRACTOR IS REQUIRED TO PROVIDE VEHICLE/PEDESTRIAN ACCESS TO ALL EXISTING DRIVEWAYS AT ALL TIMES THROUGHOUT DURATION OF THIS PROJECT.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DAILY CONSTRUCTION ACTIVITIES WITH ALL ADJUTING PROPERTY OWNERS AND LOCAL BUSINESSES.
 - CONTRACTOR IS RESPONSIBLE TO ADHERE TO ALL CONDITIONS OUTLINED WITHIN THE CONNECTICUT DEPARTMENT OF TRANSPORTATION ENCROACHMENT PERMIT HELD BY THE TOWN OF GLASTONBURY.



TEST PIT DATA:

| | |
|------------|---------------------------|
| TEST PIT 1 | Ground Elev.=115.89' |
| | Sanitary Lateral =110.43' |
| TEST PIT 2 | Ground Elev.=115.35' |
| | Water Service =110.20' |
| TEST PIT 3 | Ground Elev.=108.65' |
| | Gas Service =106.48' |
| TEST PIT 4 | Ground Elev.=109.40' |
| | Water Service =103.54' |
| TEST PIT 5 | Ground Elev.=108.57' |
| | Sanitary Lateral =102.97' |
| TEST PIT 6 | Ground Elev.=102.92' |
| | Gas Service =100.36' |

SURVEY NOTES:

LOCATION OF FEATURES AND CONTOUR DATA DEPICTED HEREON WERE ACQUIRED BY FIELD SURVEY ON DECEMBER 2016.

THERE IS NO BOUNDARY/DETERMINATION OPINION.

NOT ALL IMPROVEMENTS ARE DEPICTED HEREON.

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 - (NAV88).

THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

PROPERTY LINE LOCATIONS DEPICTED HEREON ARE THE RESULT OF RECORD RESEARCH AND LIMITED FIELD MEASUREMENTS AND ARE NOT INTENDED TO BE USED FOR CONVEYANCE PURPOSES. IT DOES NOT PRESENT A PROPERTY/BOUNDARY OPINION.

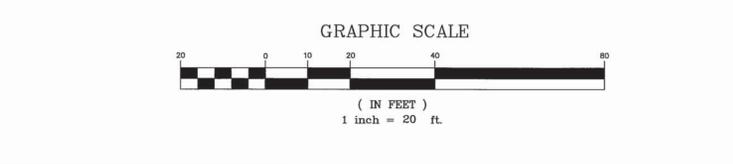
REFERENCE IS MADE TO THE FOLLOWING MAPS ENTITLED:

- "PLAN MADE FOR THE GLASTONBURY KNITTING CO. LOCATED AT ADDISON, TOWN OF GLASTONBURY, CONN. SCALE: 1 INCH = 50 FEET, BY CHANDLER & PALMER, ENGRS. NORWICH, CONN. JULY 1935" MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 2635A.
- "PROPERTY OF J.B. WILLIAMS CO. ADDISON, CONN. MARCH 11, 1942 SCALE: 1"=40' JOHN T. HENDERSON CONSULTING ENGINEERS HARTFORD, CONN." MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 2656.
- "CERTIFICATION PLAN #64 ADDISON ROAD PREPARED FOR 64 ADDISON ROAD ASSOCIATES, LLC GLASTONBURY, CONN. MEGSON & HEAGLE CIVIL ENGINEERS & LAND SURVEYORS, LLC 81 RANVIN ROAD GLASTONBURY, CONN. 06033 Phone: (860)-659-0587 OK BY: J.H. DRW. BY: J.S. DATE: 9-28-05 SCALE: 1"=20' SHEET 1 OF 1 MAP NO. 109-03-11" MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 7012.
- "SITE, GRADING AND UTILITY PLAN PROPOSED OFFICE BUILDING ADDISON ROAD & HEBRON AVENUE GLASTONBURY CONNECTICUT CLOSE, JENSON & MILLER CONSULTING ENGINEERS, LAND PLANNERS & SURVEYORS 1137 SILAS DEANE HIGHWAY WETHERSFIELD, CONNECTICUT 06109 DESIGNED KRU DRAWN KRU CHECKED DES SCALE: 1"=20' DATE DEC. 1987 SHEET NO. 1 OF 3" MAP IS ON FILE IN THE GLASTONBURY LAND RECORDS AS MAP NUMBER 5003.

- ADDENDUM #1:**
- Omit from the Contract:
 - Adjust Water Service located at 77-81 Addison Road
 - Relocate Gas Main
 - Type "C" Catch Basin

Certified to be substantially correct

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



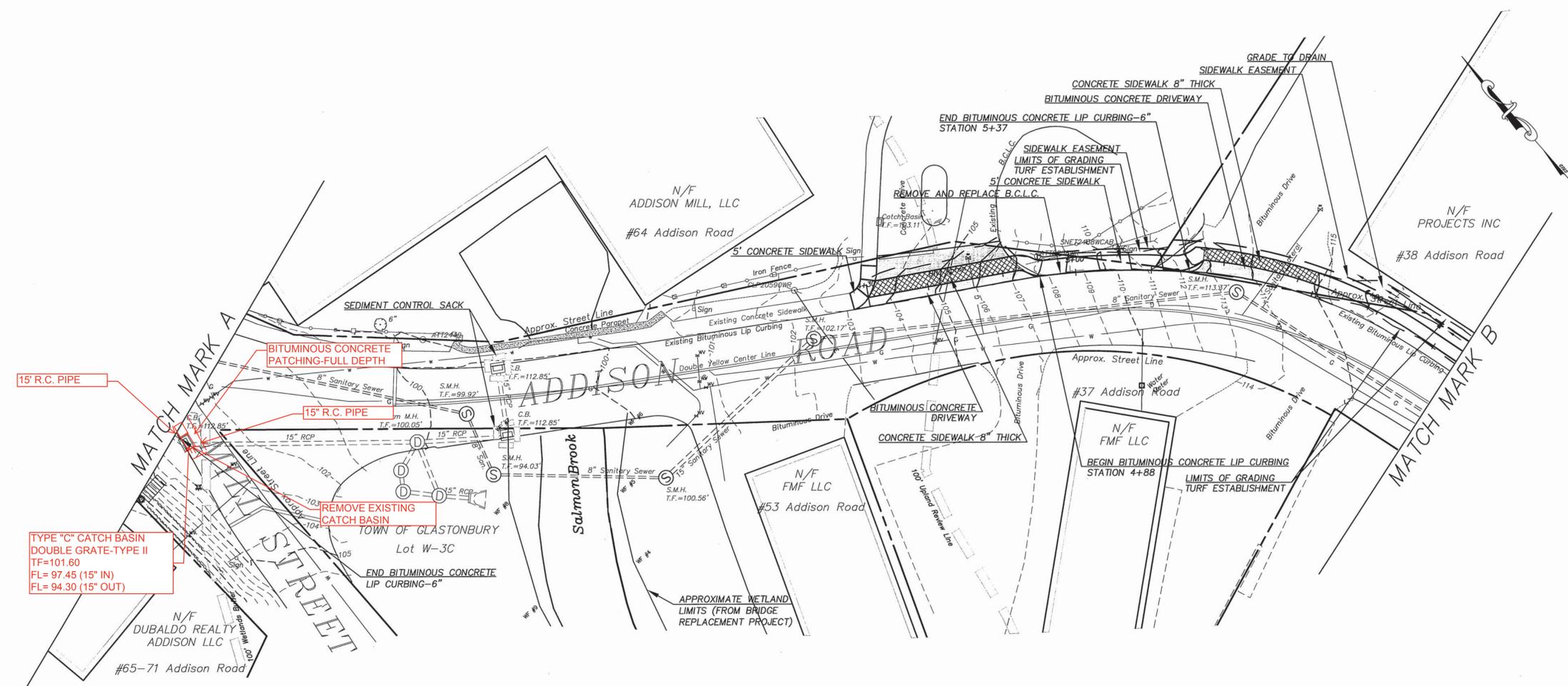
| DRAWING ISSUE STATUS | | SCALE: AS SHOWN | DATE: |
|----------------------|-------------------------|---------------------|-----------|
| | | DRAWN BY: S.Troy | 8-21-2017 |
| | | CHECKED BY: S.M.B. | 8-21-2017 |
| 3. | ADDENDUM #1 | APPROVED BY: D.A.P. | 8-21-2017 |
| 2. | ISSUED FOR CONSTRUCTION | | 8-21-2017 |
| 1. | ISSUED FOR REVIEW | | 5-15-2017 |
| NO. | DESCRIPTION | DATE | |

MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CAD FILE SHOWN ON THE LEFT MARGIN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE AT (860) 659-7254.

PLAN DEPICTING PROPOSED SIDEWALKS ON ADDISON ROAD GLASTONBURY, CONNECTICUT

SHEET NO. **1** OF 7

FILE: H:\DWG\Streets\Addison_Rd\PW-1613_ADDISON_ST_HEB-NORMAN SIDEWALK IMPROVEMENTS\DWG-1613_ADDISON_Rd_Heb-Norman.Dwg USER: Steven Troy DATE: 8/22/2017



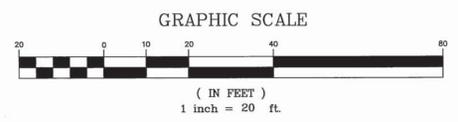
15" R.C. PIPE
 BITUMINOUS CONCRETE PATCHING-FULL DEPTH
 15" R.C. PIPE
 REMOVE EXISTING CATCH BASIN
 TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II
 TF=101.60
 FL= 97.45 (15" IN)
 FL= 94.30 (15" OUT)

ADDENDUM #1:
 Add to Contract:
 1. Type "C" Catch Basin Double Grate-Type II
 2. Bituminous Concrete Patching-Full Depth
 3. Remove Existing Catch Basin
 4. 15" R.C. Pipe

Certified to be substantially correct



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



| DRAWING ISSUE STATUS | | SCALE: AS SHOWN | DATE: |
|----------------------|-------------------------|--|-----------|
| | | DRAWN BY: S.Troy | 8-21-2017 |
| | | CHECKED BY: S.M.B. | 8-21-2017 |
| | | APPROVED BY: D.A.P. | 8-21-2017 |
| | | ST. FILE: | |
| | | MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON LADD FILE SHOWN IN THE SET. IN CASE OF DISCREPANCY OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE AT (860) 682-7735. | |
| NO. | DESCRIPTION | DATE | |
| 3. | ADDENDUM #1 | 8-28-2017 | |
| 2. | ISSUED FOR CONSTRUCTION | 8-21-2017 | |
| 1. | ISSUED FOR REVIEW | 5-15-2017 | |

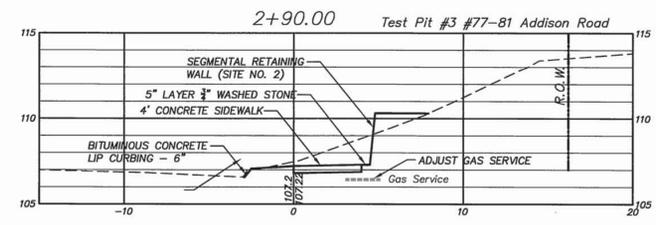
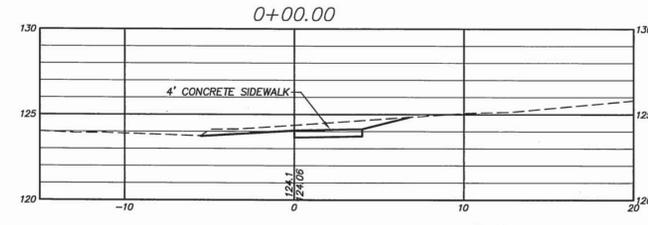
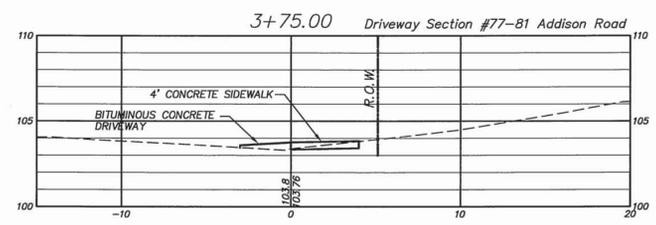
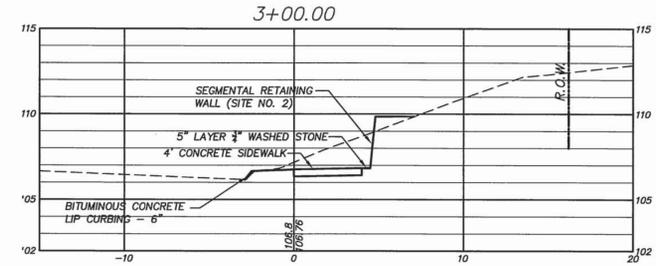
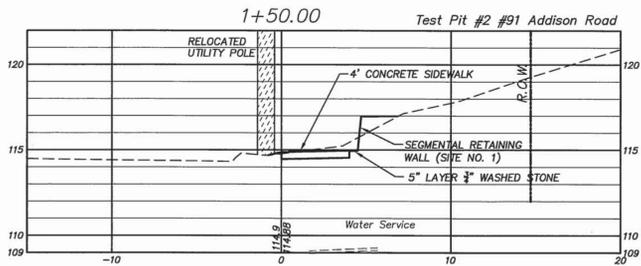
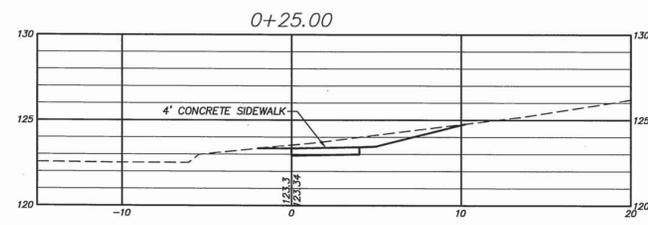
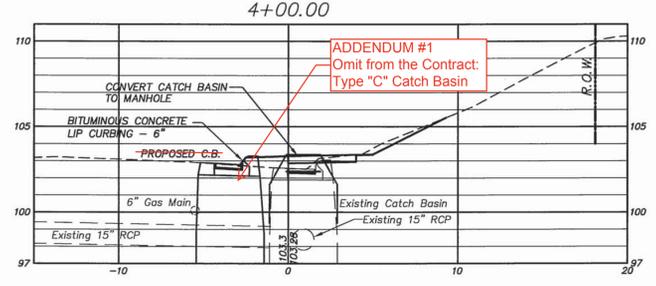
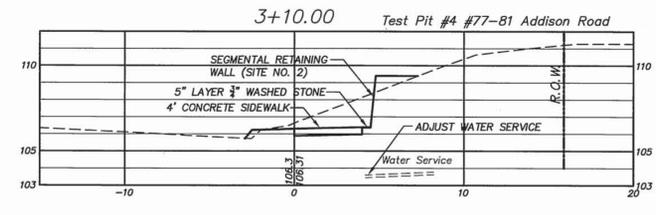
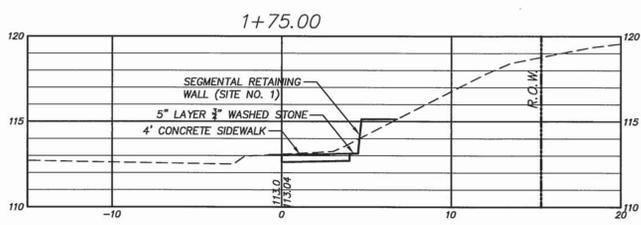
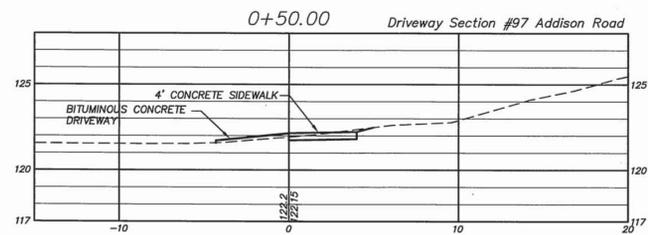
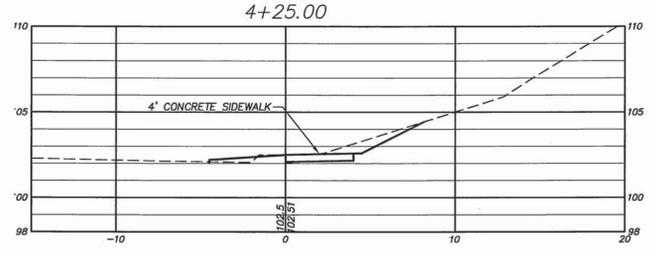
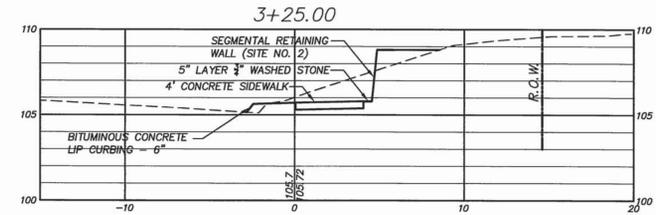
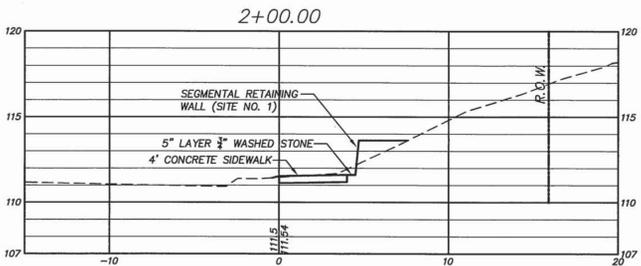
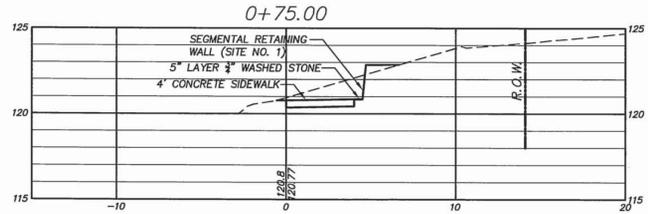
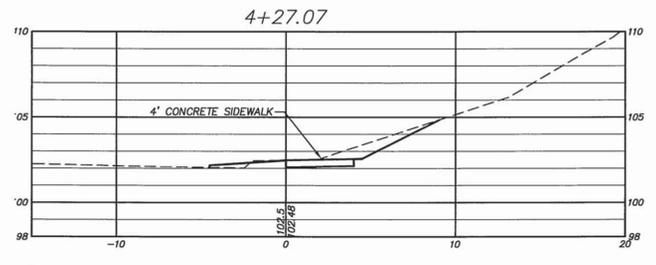
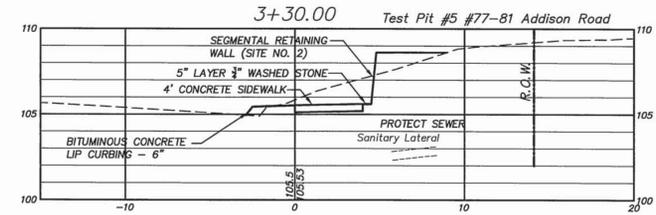
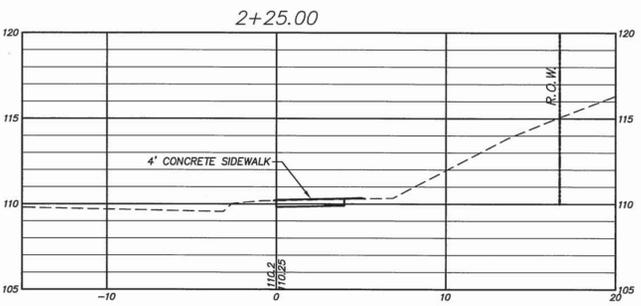
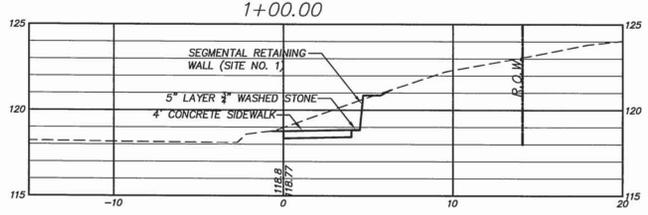
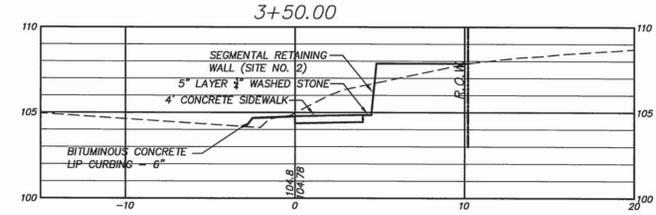
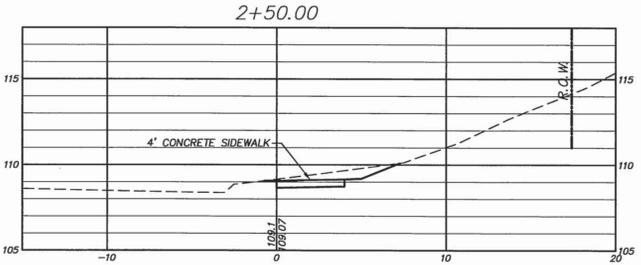
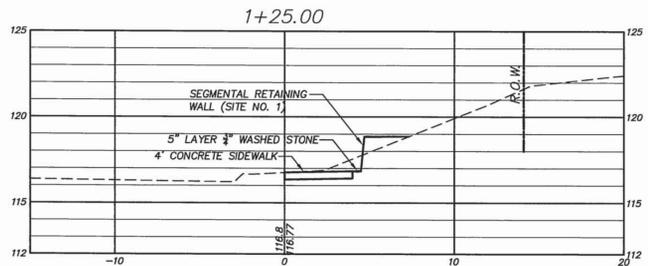
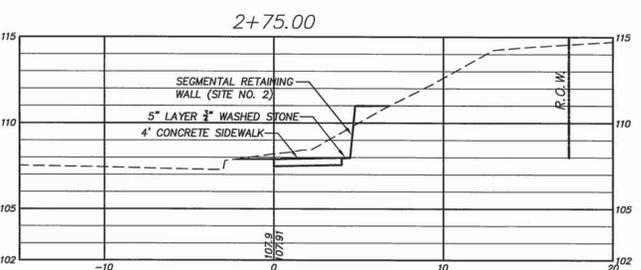
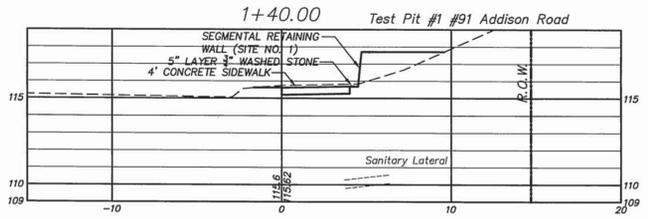


P.W. 1613

**PLAN DEPICTING
 PROPOSED SIDEWALKS
 ON
 ADDISON ROAD
 GLASTONBURY, CONNECTICUT**

SHEET NO.
2
 OF 7

FILE: H:\DWG\Streets\Addison_Rd\PW\1613_ADDISON_ST_HEB-NORMAN SIDEWALK IMPROVEMENTS.DWG, USER: Soren Troy DATE: 8/22/2017



SCALE:
Horizontal 1"=5'
Vertical 1"=5'

Certified to be substantially correct



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

| DRAWING ISSUE STATUS | | SCALE: AS SHOWN | DATE: |
|----------------------|-------------------------|-----------------|-----------|
| 3. | ADDENDUM #1 | 8-28-2017 | 8-21-2017 |
| 2. | ISSUED FOR CONSTRUCTION | 8-21-2017 | 8-21-2017 |
| 1. | ISSUED FOR REVIEW | 5-15-2017 | 8-21-2017 |



**PLAN DEPICTING
PROPOSED SIDEWALKS
ON
ADDISON ROAD
GLASTONBURY, CONNECTICUT**

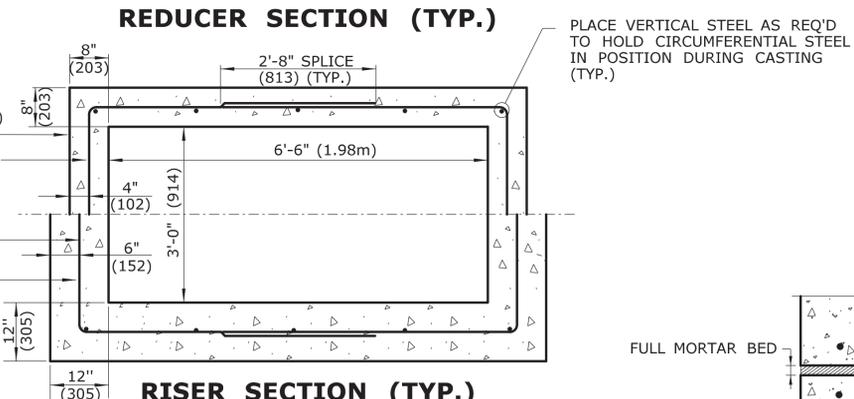
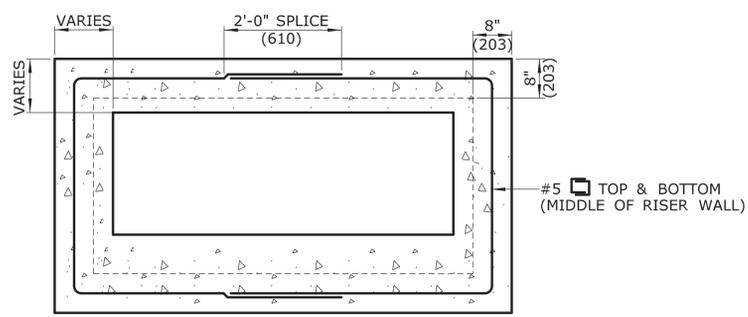
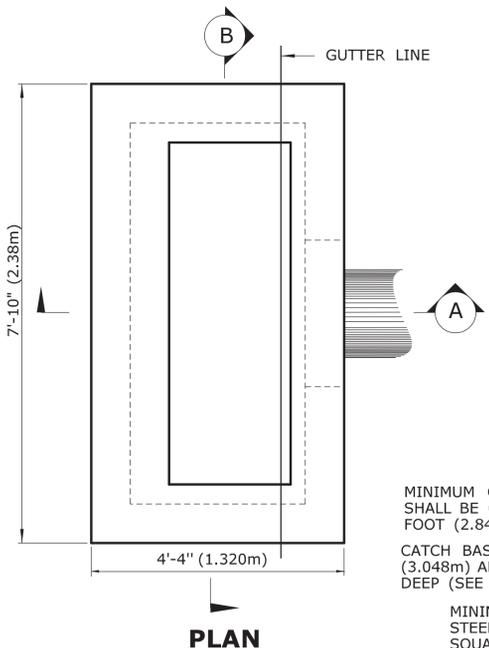
SHEET NO.

6

OF 7

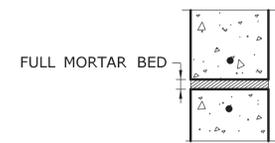
P.W. 1613

ST. FILE:
ALL REVISIONS TO THIS DOCUMENT ARE PROVIDED
ON THE LEFT MARGIN. IF THERE ARE ANY DISCREPANCIES
OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY,
ENGINEERING OFFICE AT (860) 632-7325.

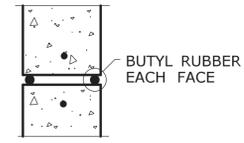


CATCH BASINS 10' (3.048m) DEEP OR LESS
 MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT (2.84 sq cm per Meters)
 CATCH BASINS GREATER THAN 10' (3.048m) AND LESS THAN 20' (6.096m) DEEP (SEE NOTES 6 AND 13)
 MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT (2.84sq cm per Meter)

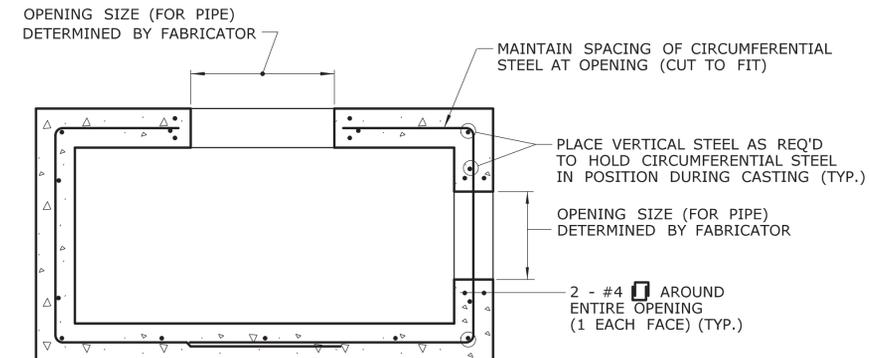
PLACE VERTICAL STEEL AS REQ'D TO HOLD CIRCUMFERENTIAL STEEL IN POSITION DURING CASTING (TYP.)



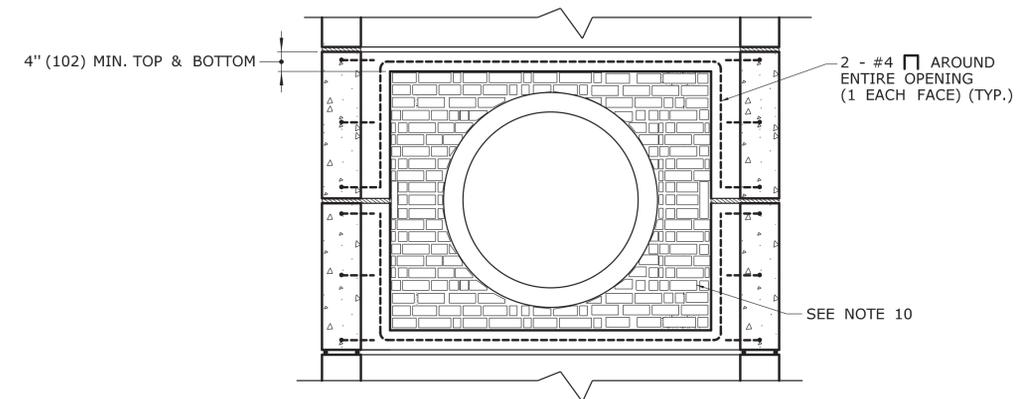
MORTAR JOINT DETAIL



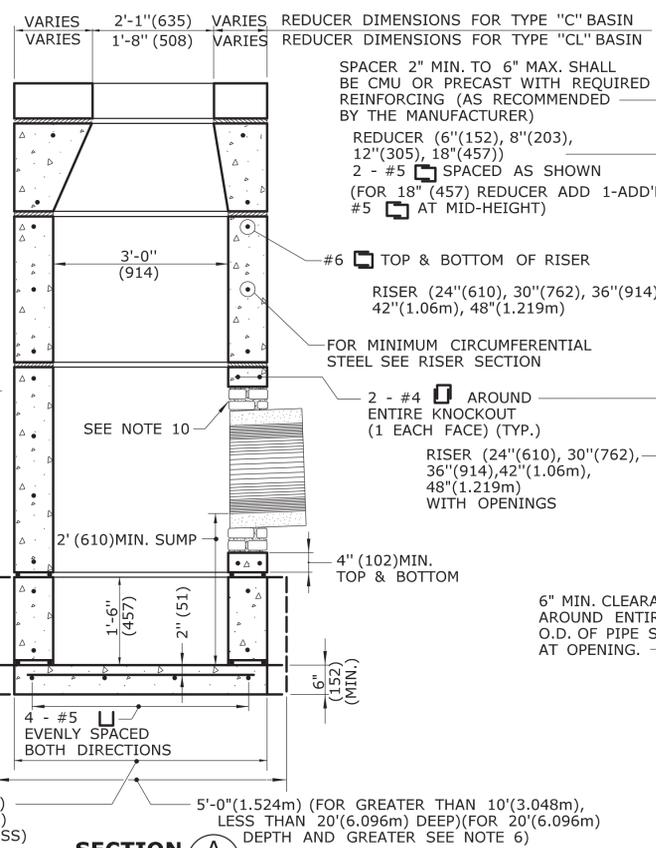
BUTYL RUBBER JOINT DETAIL



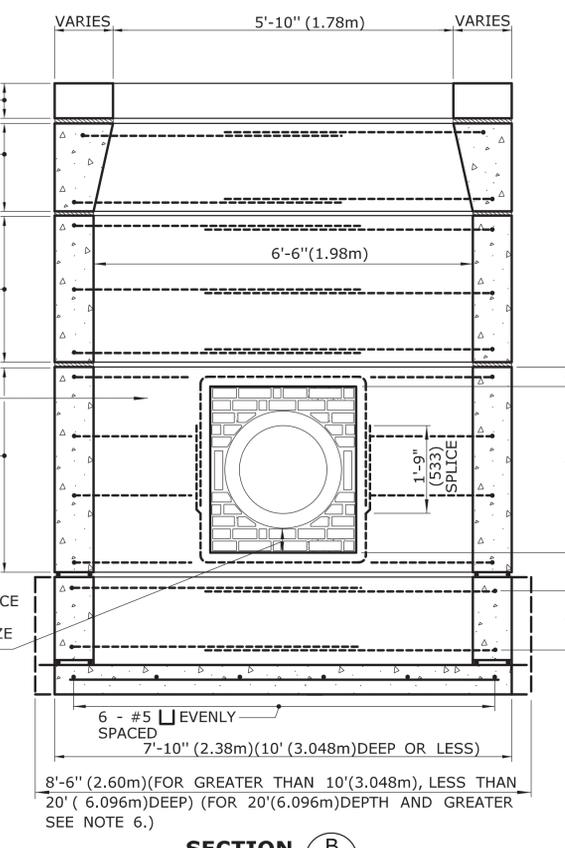
TYPICAL SECTION THRU SINGLE RISER WITH OPENINGS



DOUBLE RISER OPENING (TYP.) PIPES GREATER THAN 24" (610) O.D.



SECTION A



SECTION B

NOTE: REINFORCEMENT IN FAR FACE WALL NOT SHOWN FOR CLARITY

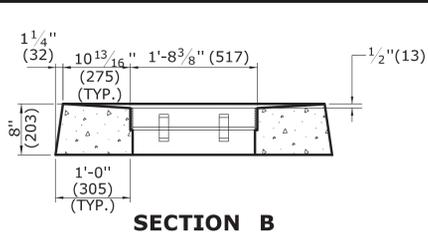
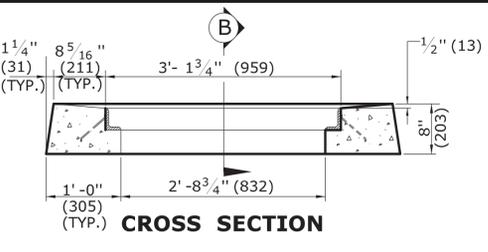
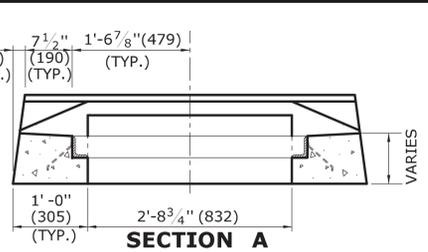
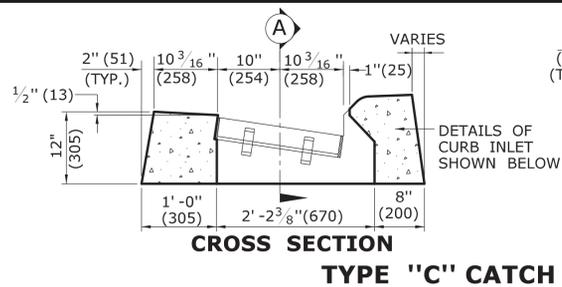
PRECAST CONCRETE TYPE "C" & "C-L" DOUBLE GRATE TYPE II CATCH BASIN
 (UNDER 10' (3.048m) DEEP SHOWN)

GENERAL NOTES:

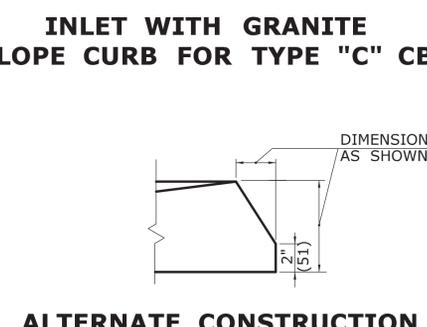
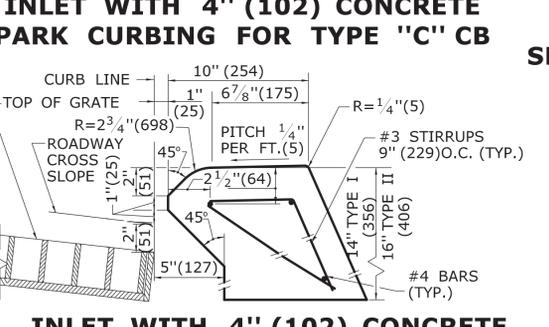
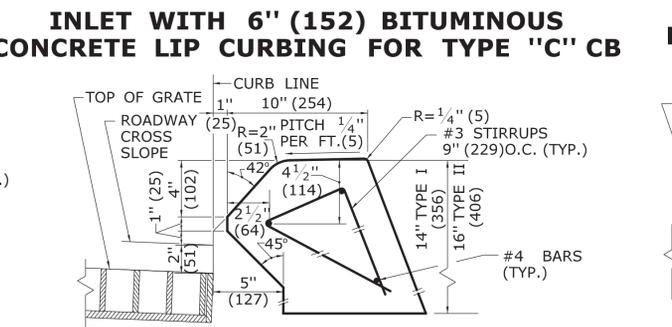
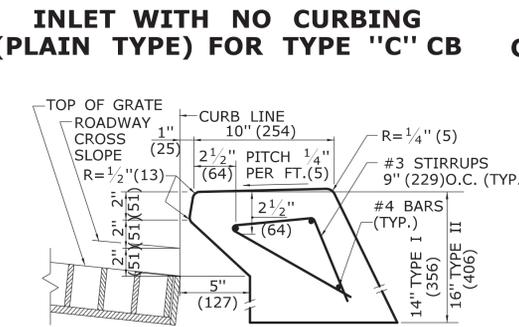
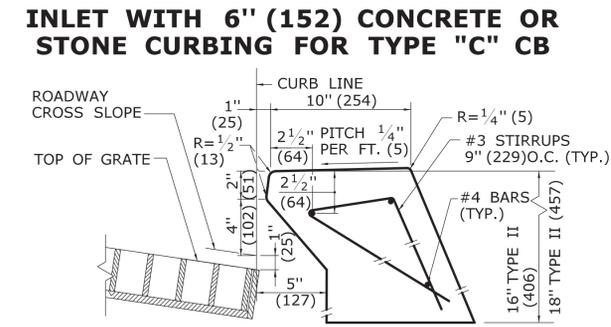
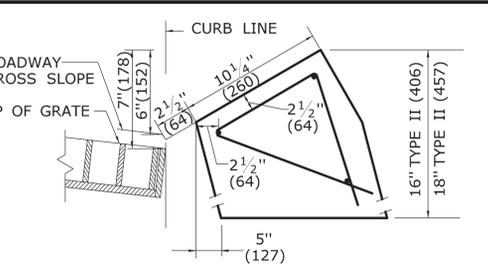
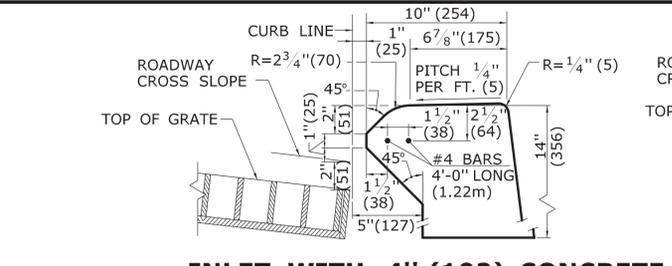
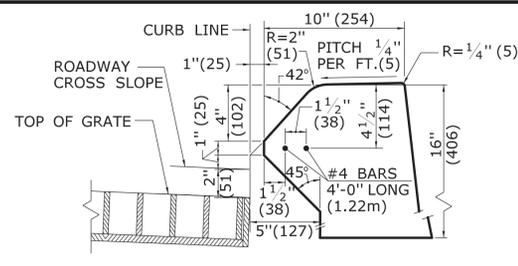
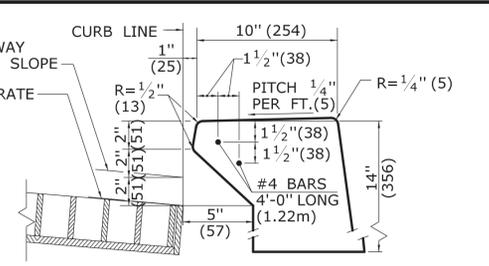
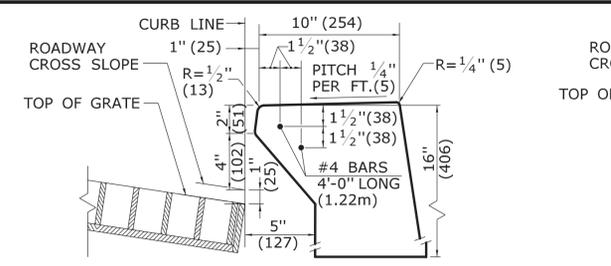
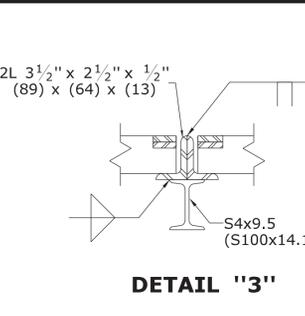
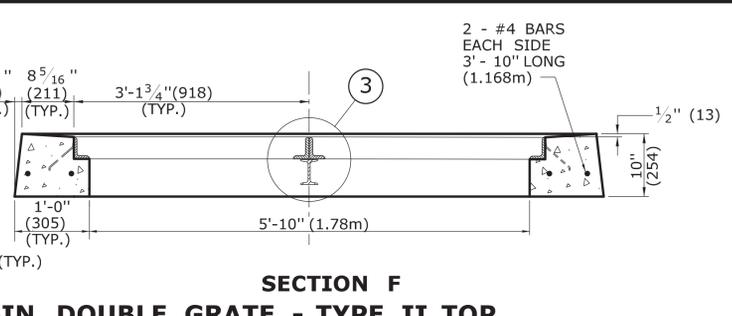
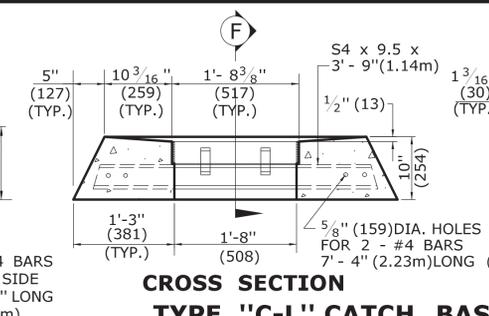
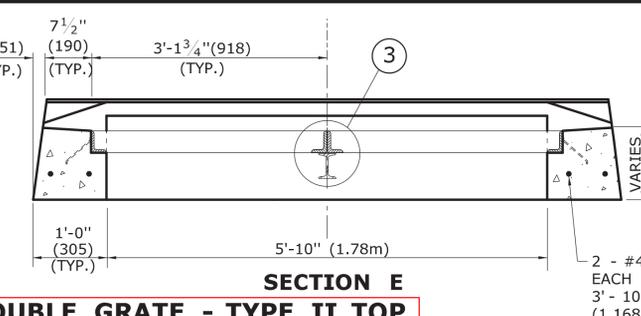
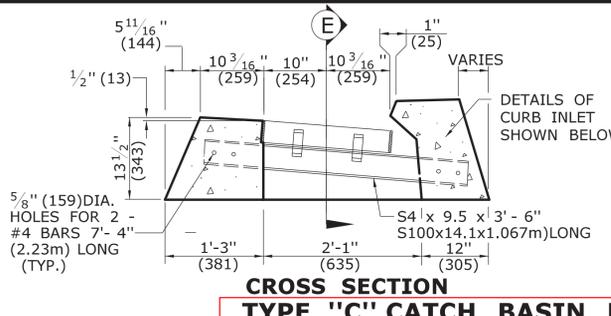
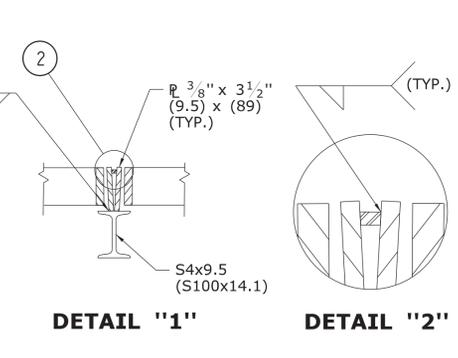
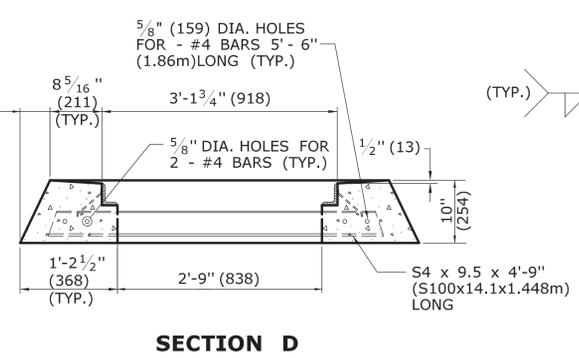
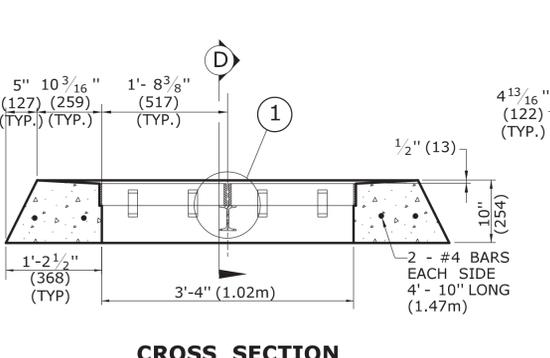
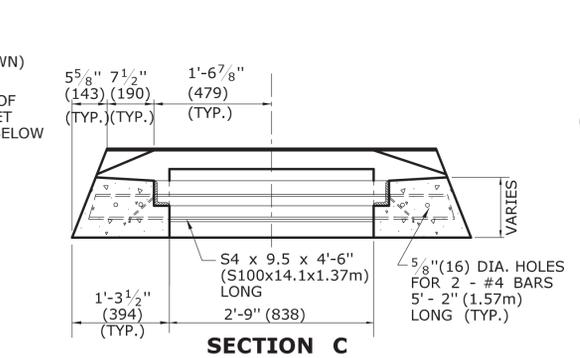
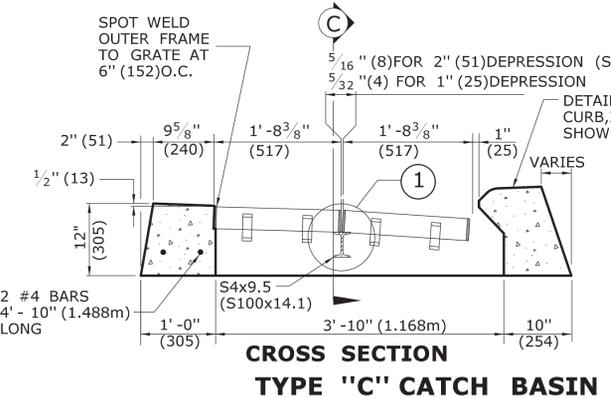
1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
4. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2"(51), EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1 1/2"(38).
5. MINIMUM CONCRETE COMPRESSIVE STRENGTH $F_c' = 4000$ PSI (27.580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
6. BASES AND RISERS AT A DEPTH OF 20' (6.096m) AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
7. SEE STANDARD SHEET HW-507_08 FOR CATCH BASIN FRAMES AND GRATES.
8. FOR DOT MAINTENANCE PERSONNEL, RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS CONFORMING TO THESE PLANS SHALL BE PROVIDED. ANY RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE, MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.
9. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHERE THE ALIGNMENT OF THE PIPE WITH RESPECT TO THE CORNER OF THE CATCH BASIN CANNOT BE CHANGED, A ROUND STRUCTURE CONFORMING TO ASTM C478 SHALL BE USED. REINFORCING FOR THE ROUND TOP SLAB WITH A RECTANGULAR OPENING SHALL CONFORM TO DETAILS SHOWN HERE.
10. ALL PIPE OPENINGS SHALL BE CLOSED USING MATERIALS WHICH CONFORM TO STATE OF CONNECTICUT STANDARD SPECIFICATIONS SECTION M.08.02. IF THE ENGINEER DETERMINES THAT THE CLOSURE OF ANY PIPE OPENING IS UNSATISFACTORY, THE CONTRACTOR SHALL RECLOSE SAID OPENING AT NO ADDITIONAL COST TO THE STATE. OPENINGS FOR PIPE SHALL NOT RESULT IN A REDUCED WALL THICKNESS.
11. THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
12. FOR ADDITIONAL DETAILS, SEE OTHER CATCH BASIN SHEETS.
13. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (THE 12" (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m).)
14. BUTYL RUBBER JOINT SEAL SHALL CONFORM TO AASHTO M-198 AND MORTAR SHALL CONFORM TO THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS MATERIAL SECTION M11.04.

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

| | | | | | | | | | | | | | |
|---|------|----------------------|--|--------------------------|--|--|--|------------------------------|--|---|--|---|--|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. | | NOT TO SCALE | | | | SUBMITTED BY: NAME/DATE/TIME: Leo Fontaine 2011.11.03 11:46:39 -04'00' | | CTDOT STANDARD SHEET | | STANDARD SHEET TITLE: TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE-II | | STANDARD SHEET NO.: HW-507_06 | |
| 2 10/24/11 CHANGE WORD KNOCKOUT TO OPENING & ADD SPACER NOTE | | | | | | APPROVED BY: NAME/DATE/TIME: James H. Norman 2011.11.10 07:59:36 -05'00' | | OFFICE OF ENGINEERING | | | | | |
| 1 6/01/10 CHANGE NOTE 7 TO REFERENCE HW-507_08 | | | | | | | | | | | | | |
| REV. | DATE | REVISION DESCRIPTION | | Plotted Date: 10/22/2011 | | Filename: working_revisions.dgn | | Model: 11-HW-507_06 | | | | | |



- GENERAL NOTES:**
- FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
 - ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
 - ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.



ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

| REV. | DATE | REVISION DESCRIPTION |
|------|---------|-----------------------|
| 2 | 7/28/11 | REMOVE MIN. DROP NOTE |
| 1 | 6/01/10 | REVISE CALL-OUT |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 11/10/2011

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT-HWY-STD_Nov2011.dgn Model: 12-HW-507_07

SUBMITTED BY: NAME/DATE/TIME:
Leo Fontaine
2011.11.10 10:04:01 -05'00'

APPROVED BY: NAME/DATE/TIME:
James H. Norman
2011.11.10 10:19:36 -05'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS

STANDARD SHEET NO.:
HW-507_07