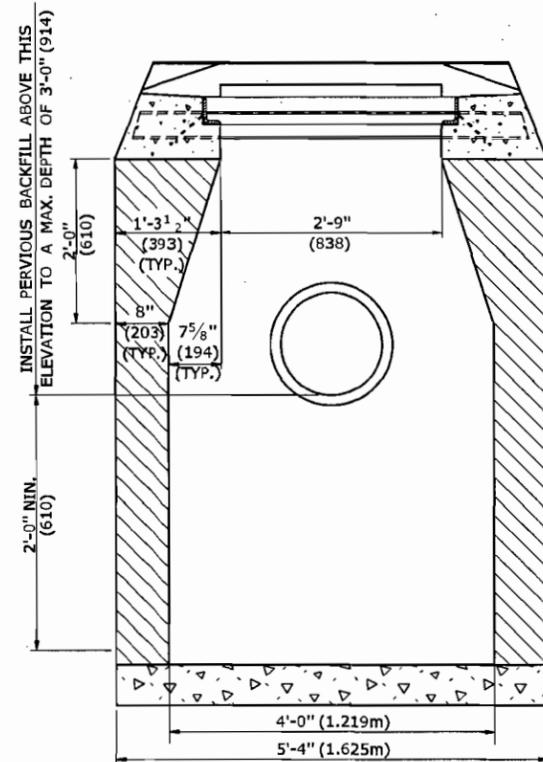


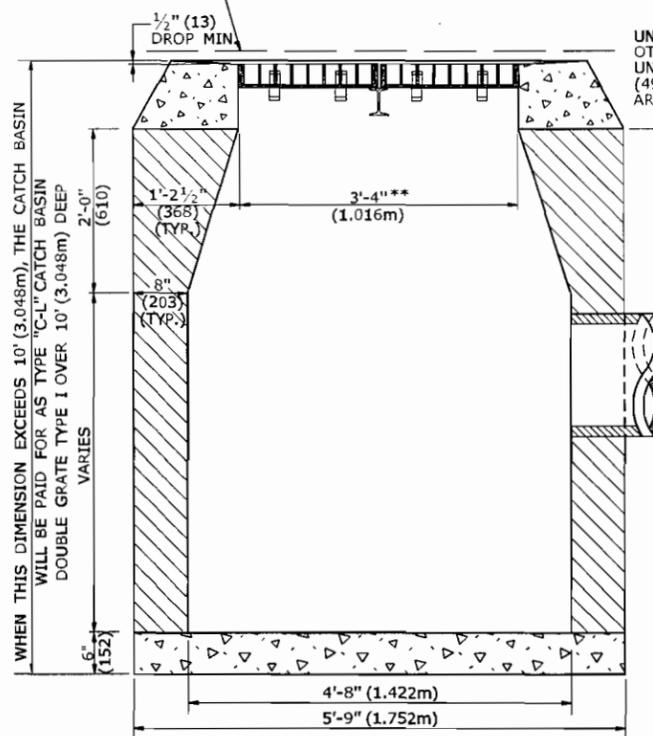
SECTION B



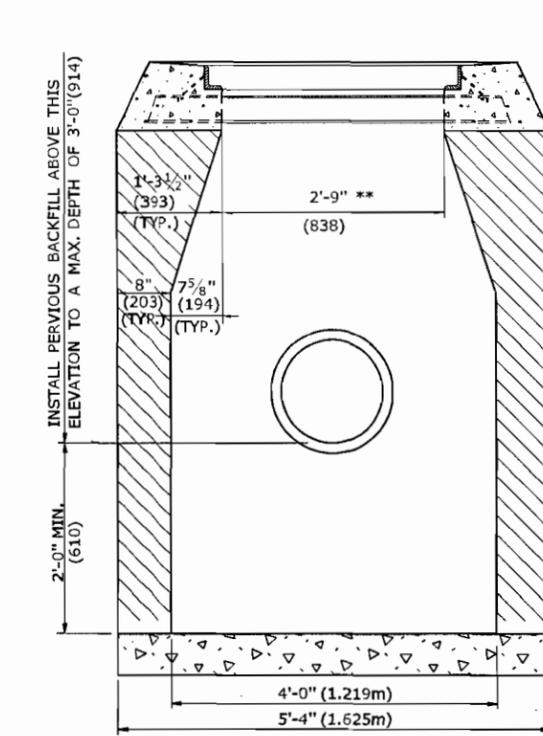
SECTION A

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I

FINISHED GRADE MAY VARY ADJACENT TO CATCH BASIN AS DIRECTED



SECTION B

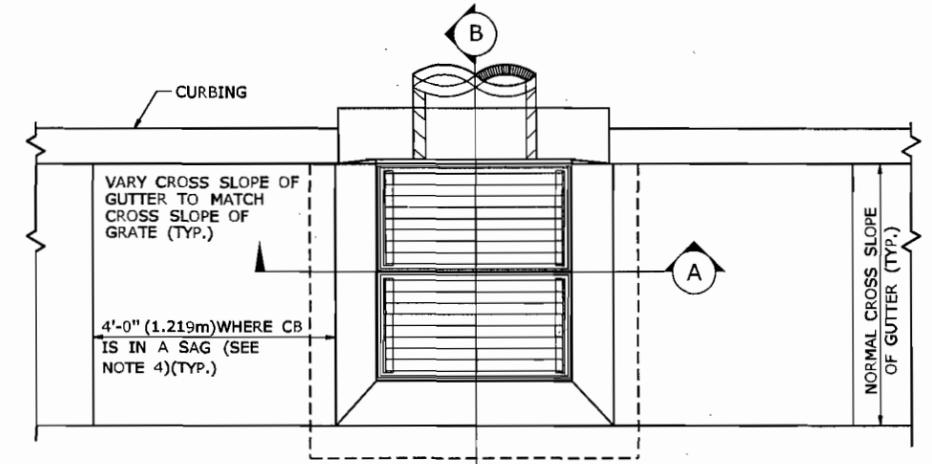


SECTION A

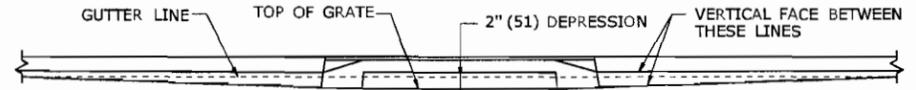
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I

GENERAL NOTES:

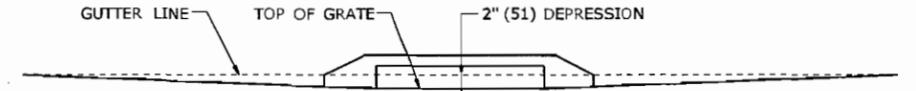
- FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507.08.
- USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
- ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
- USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
- IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75mm). NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
- WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305mm) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m)).
- TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
- MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
- LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.



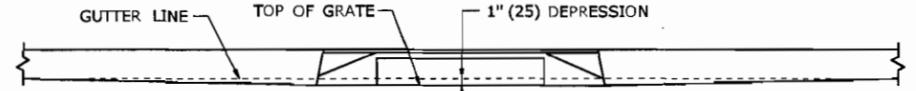
PLAN



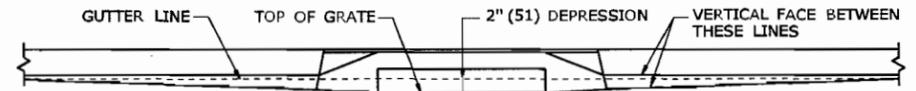
FOR CATCH BASINS IN A LINE OF 4" (102) (CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



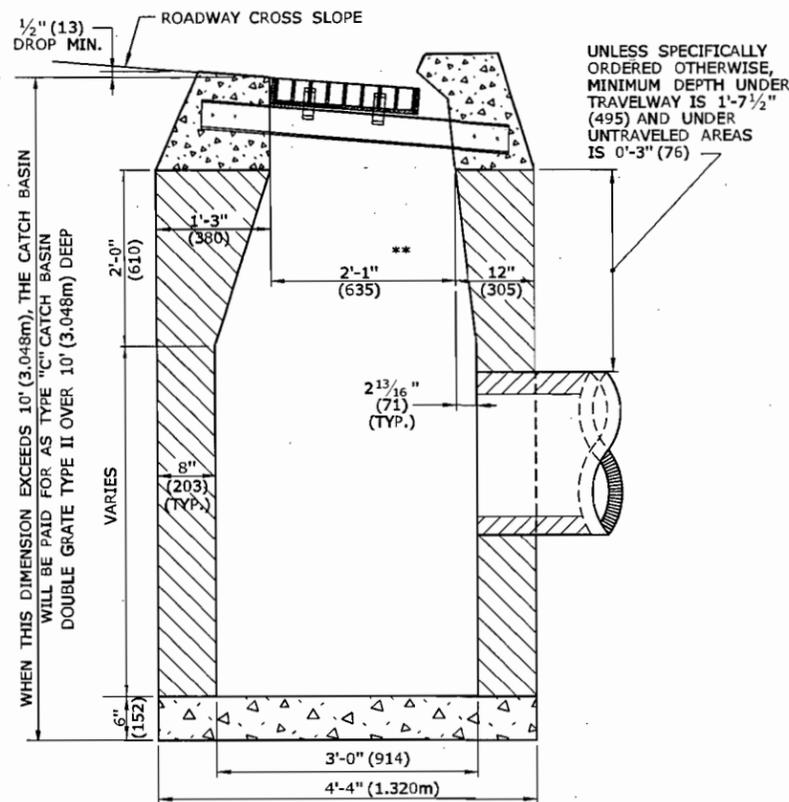
FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)
DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

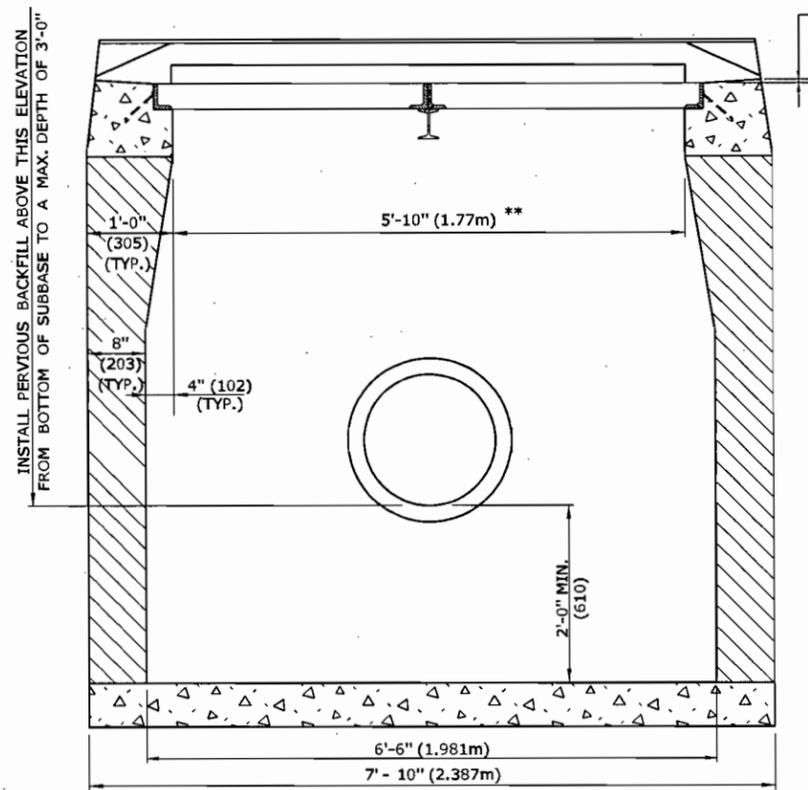
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

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: <i>TW</i> NAME/DATE/TIME: Timothy M. Wilson 2009.09.16 11:13:32 -04'00'		STANDARD SHEET TITLE:		STANDARD SHEET NO.:	
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		CTDOT STANDARD SHEET		APPROVED BY: <i>DW</i> NAME/DATE/TIME: James H. Norman 2009.09.18 14:20:04 -04'00'		TYPE "C", "C-L" & DOUBLE GRATE TYPE - I		HW-507_02	
REV. DATE REVISION DESCRIPTION		Plotted Date: 9/11/2009		FILENAME: CTDOT_HIGHWAY STD.dgn Model: HW-507_02		OFFICE OF ENGINEERING			

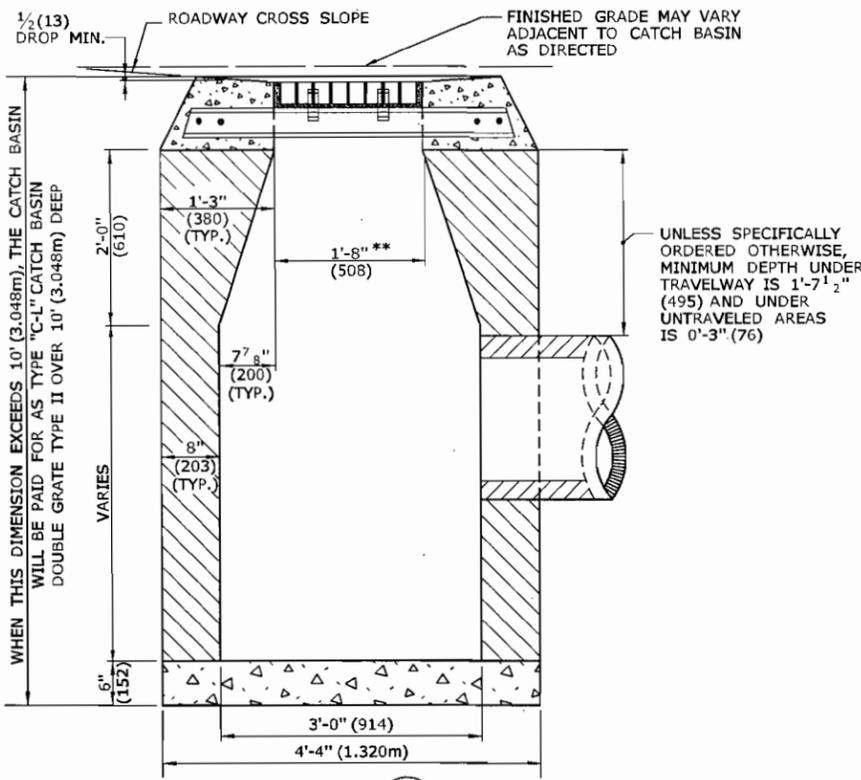


SECTION B

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II

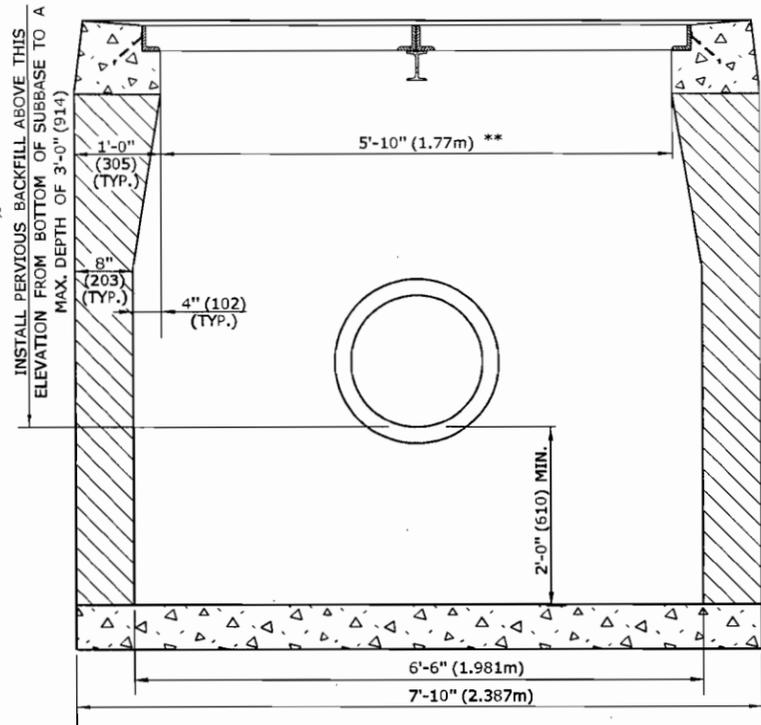


SECTION A



SECTION B

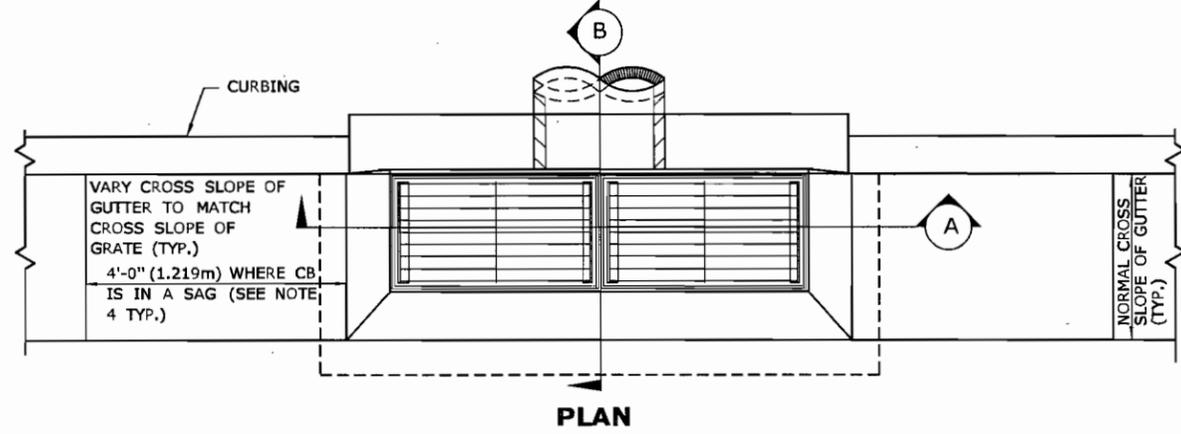
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II



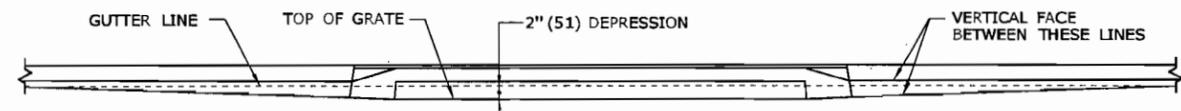
SECTION A

GENERAL NOTES:

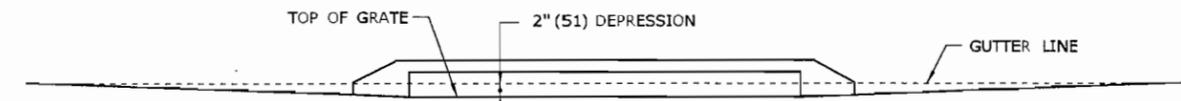
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3' (75). NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m)).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.



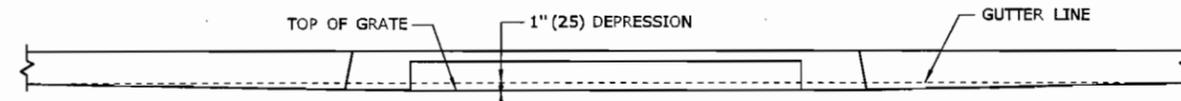
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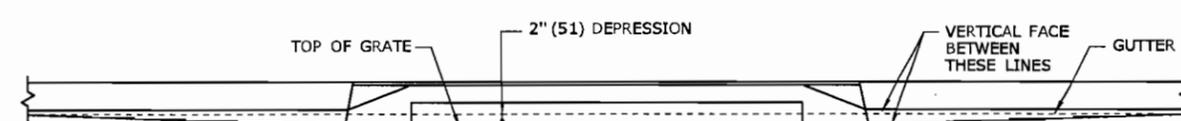
FOR CATCH BASINS IN A LINE OF 4" (102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN DOUBLE GRATE TYPE II

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

REV.	DATE	REVISION DESCRIPTION

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: 9/11/2009

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507-03

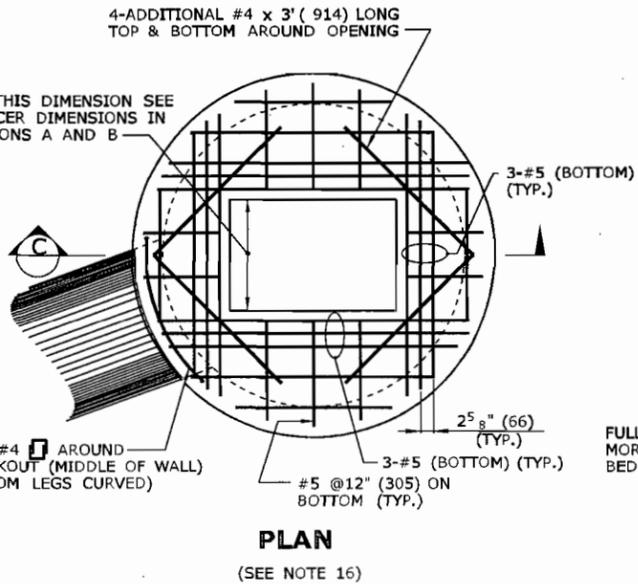
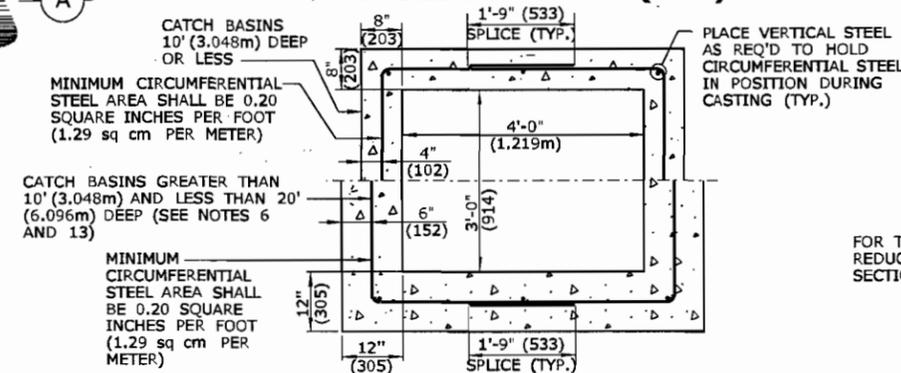
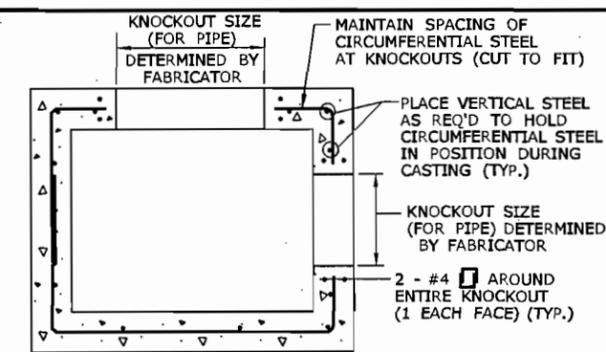
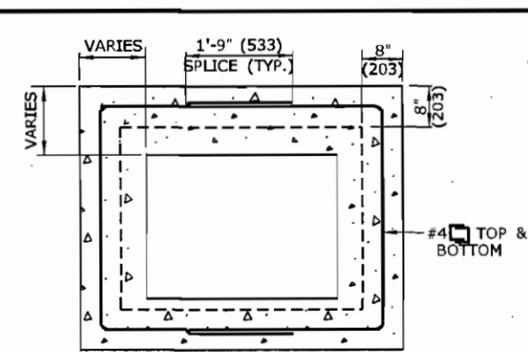
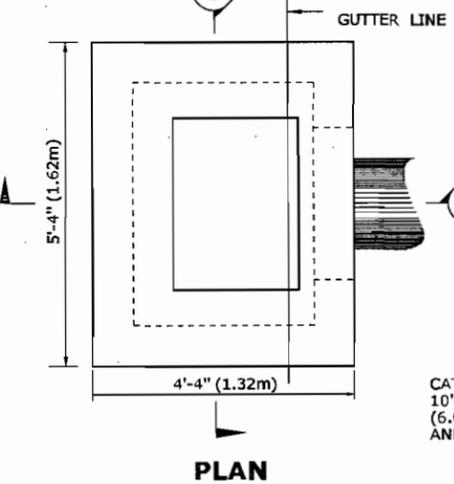
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2009.09.16 11:14:05 -04'00'

APPROVED BY: James H. Norman
2009.09.18 14:20:32 -04'00'

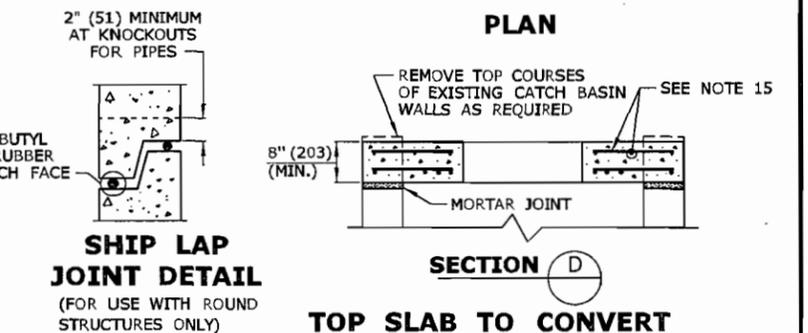
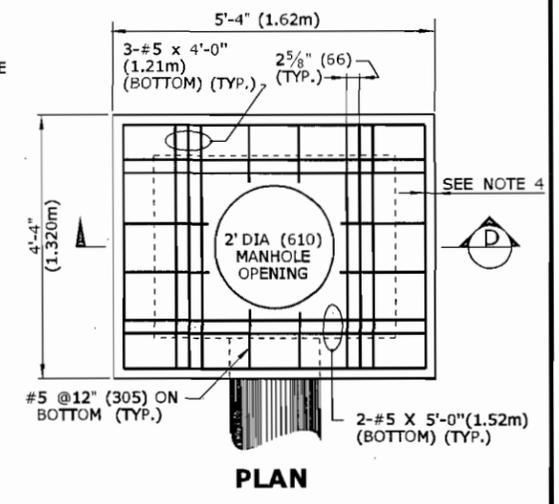
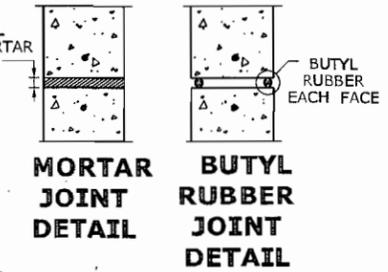
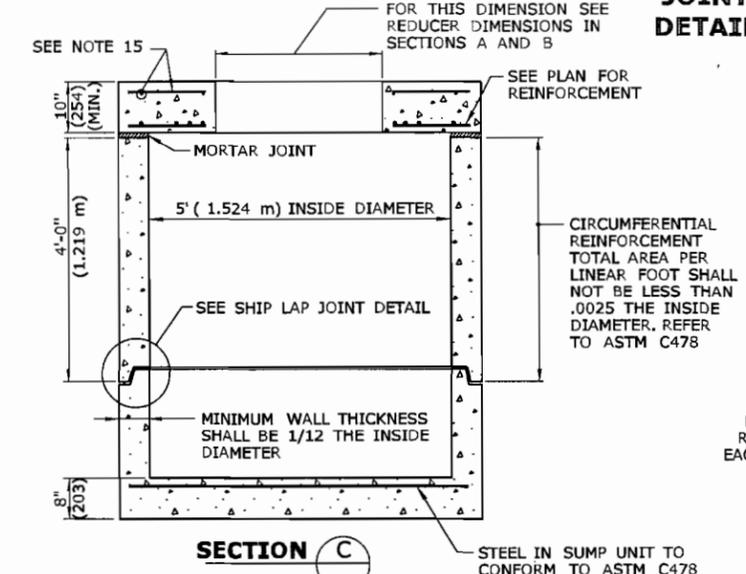
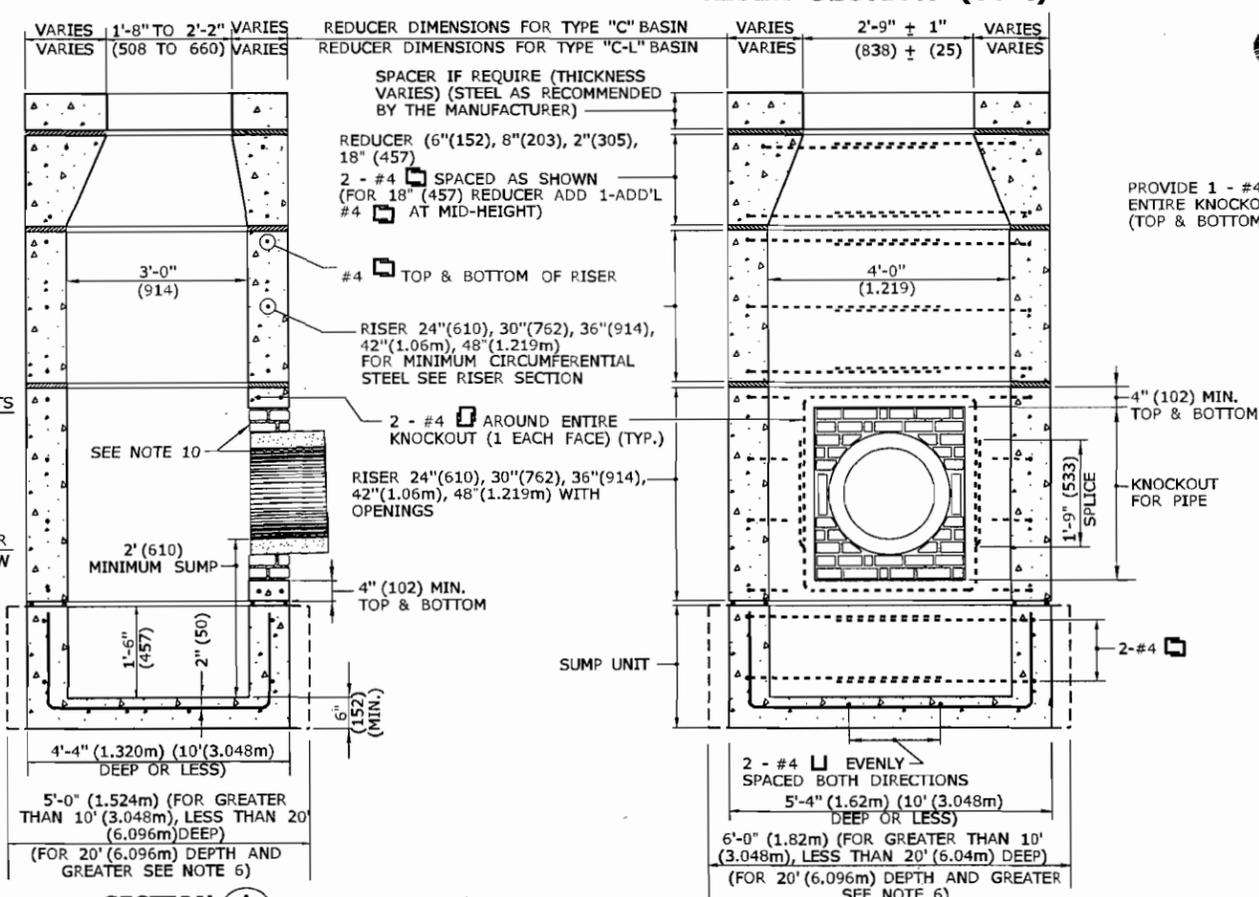
CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
**TYPE "C" , "C-L" &
DOUBLE GRATE TYPE - II**

STANDARD SHEET NO.:
HW-507_03



- 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' (6,096) AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
 7. SEE STANDARD DRAWING 507-K 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. KNOCKOUTS FOR PIPE OPENINGS 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.
 15. SHRINKAGE AND TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN THE TOPS OF SLABS. THE TOTAL AREA OF REINFORCEMENT PROVIDED SHALL BE AT LEAST 0.125 SQUARE INCHES PER FOOT (0.8 sq cm PER METER) IN EACH DIRECTION. THE MAXIMUM SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 18 INCHES (457).
 16. THE DETAILS SHOWN IN THE PLAN VIEW FOR PRECAST CONCRETE ROUND STRUCTURES SHALL ALSO BE USED FOR CONVERTING MANHOLES TO CATCH BASINS.



PRECAST CONCRETE TYPE "C" & "C-L" CATCH BASIN
(UNDER 10' (3.04m) DEEP SHOWN)

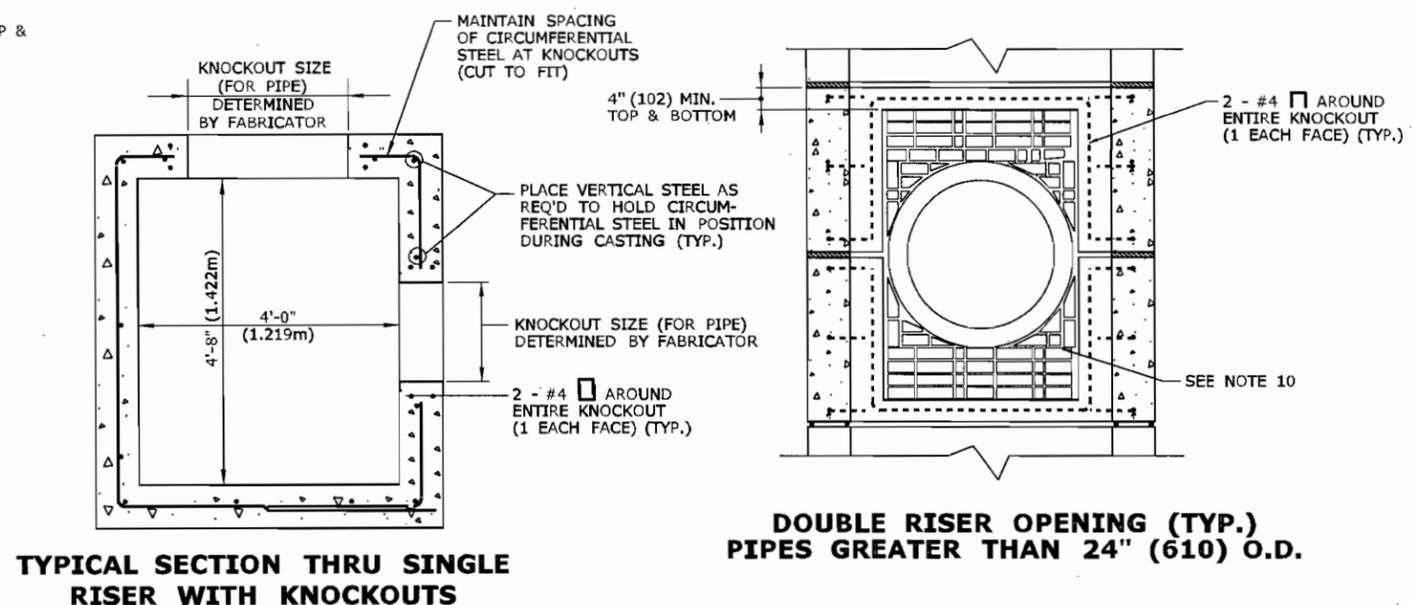
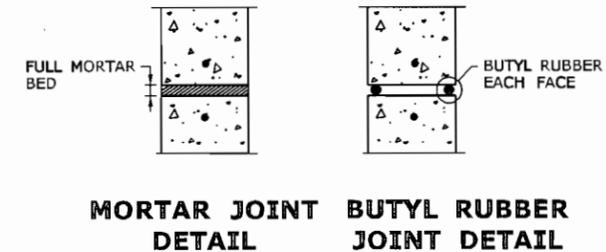
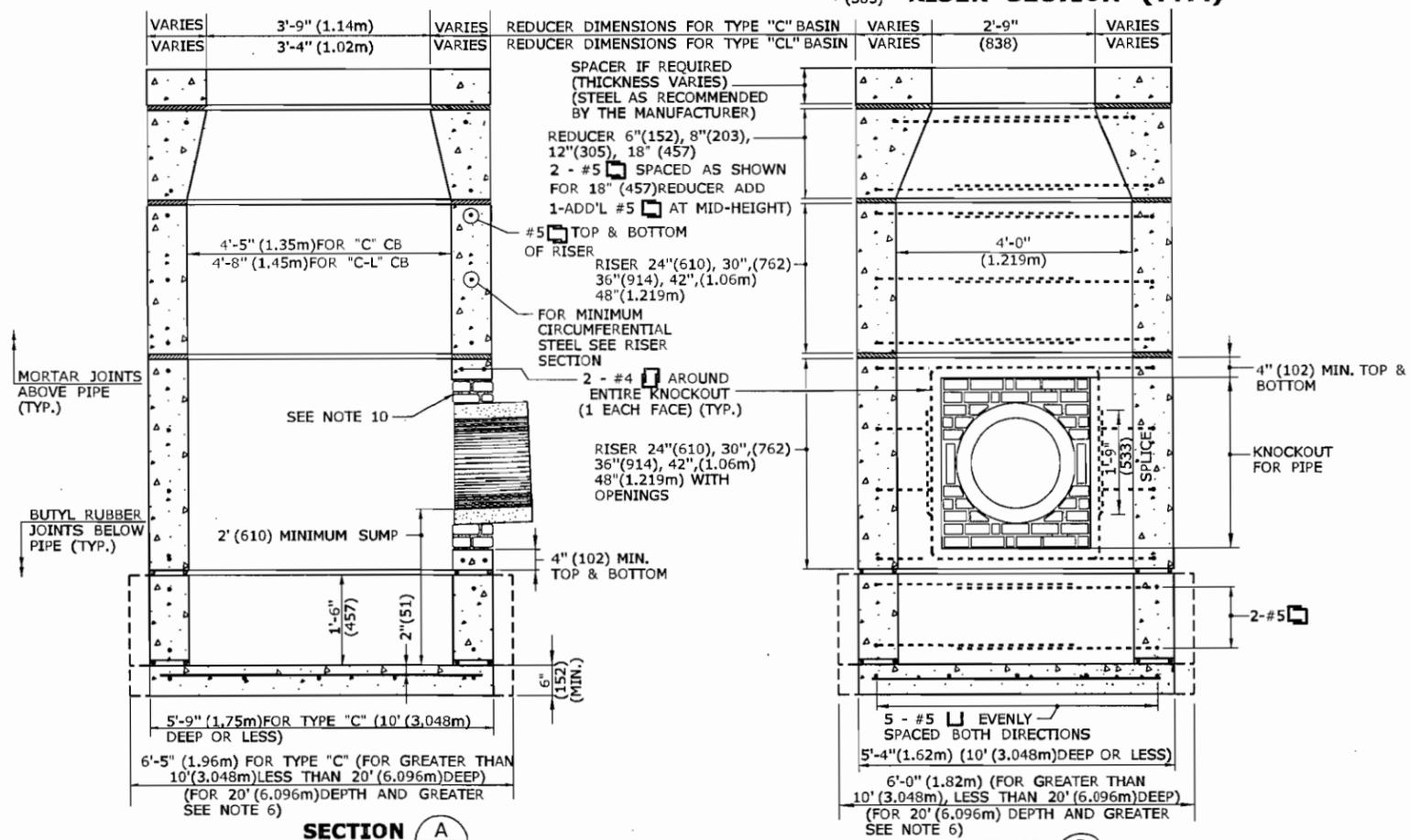
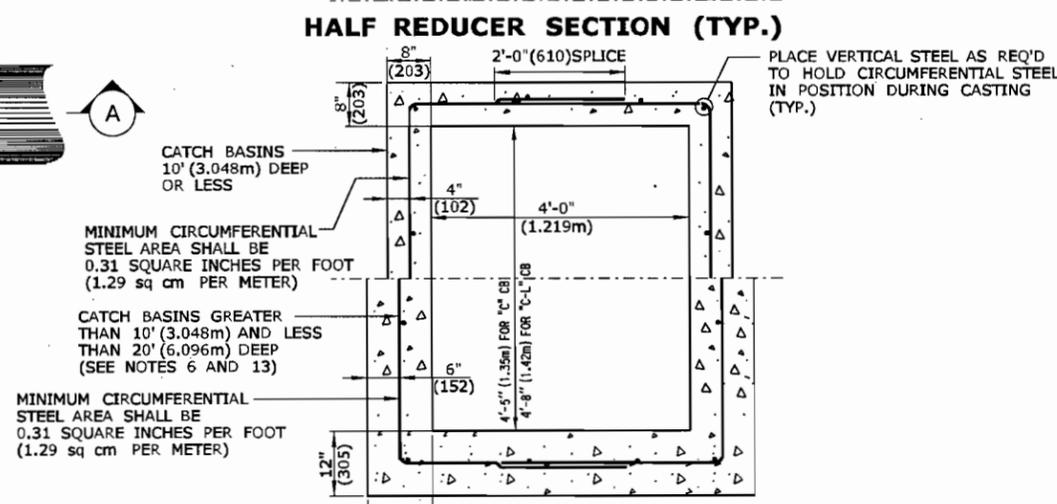
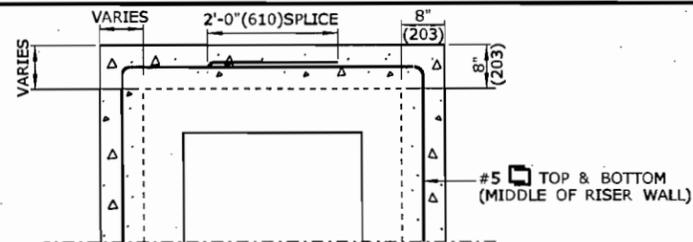
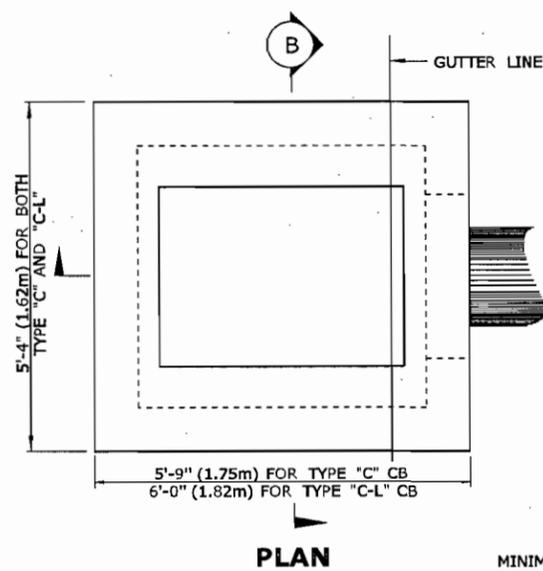
PRECAST CONCRETE TYPE "C" & "C-L" ROUND STRUCTURE
(SEE NOTE 9)

TOP SLAB TO CONVERT CATCH BASIN TO MANHOLE
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

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NOTE: REINFORCEMENT IN FAR FACE WALL NOT SHOWN FOR CLARITY		Plotted Date: 9/11/2009		Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507_04		APPROVED BY: NAME/DATE/TIME James H. Norman 2009.09.18 14:21:04 -04'00'		OFFICE OF ENGINEERING					
REV.	DATE	REVISION DESCRIPTION											

GENERAL NOTES:

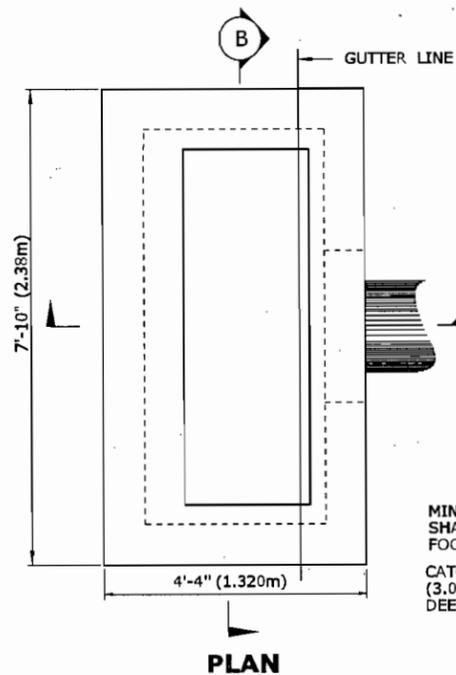
1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL 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 DRAWING 507-K 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. KNOCKOUTS FOR PIPE OPENINGS 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.



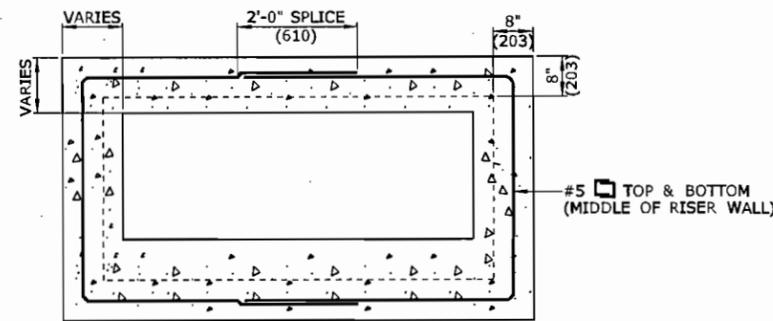
PRECAST CONCRETE TYPE "C" & "C-L" DOUBLE GRATE TYPE I CATCH BASIN
(UNDER 10' (3.048m) DEEP SHOWN)

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

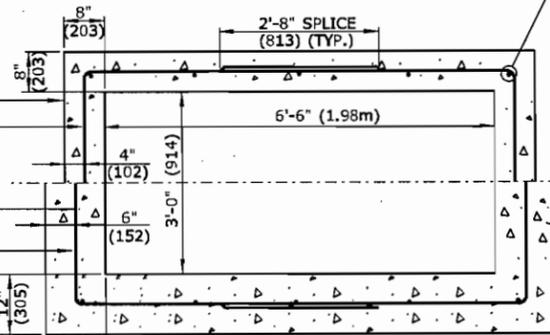
<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>		<p>NOT TO SCALE</p>		<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>		<p>SUBMITTED BY: NAME/DATE/TIME: Timothy M. Wilson 2009.09.16 11:15:05 -04'00'</p>		<p>CTDOT STANDARD SHEET</p>		<p>STANDARD SHEET TITLE: TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE-I</p>		<p>STANDARD SHEET NO.: HW-507_05</p>	
<p>REV. DATE REVISION DESCRIPTION</p>		<p>Plotted Date: 9/11/2009</p>		<p>Filename: CTDOT_HIGHWAY STD.dgn Model: HW-507_05</p>		<p>APPROVED BY: NAME/DATE/TIME: James H. Norman 2009.09.18 14:21:27 -04'00'</p>		<p>OFFICE OF ENGINEERING</p>					



PLAN



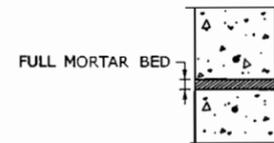
REDUCER SECTION (TYP.)



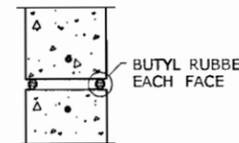
RISER SECTION (TYP.)

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

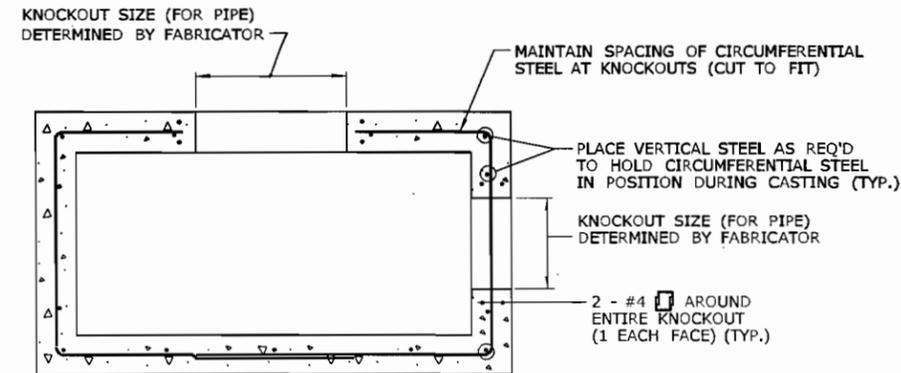
CATCH BASINS 10' (3.048m) DEEP OR LESS
 MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT (2.84 sq cm per Meters)
 CATCH BASINS GREATER THAN 10' (3.048m) AND LESS THAN 20' (6.096m) DEEP (SEE NOTES 6 AND 13)
 MINIMUM CIRCUMFERENTIAL STEEL AREA SHALL BE 0.44 SQUARE INCHES PER FOOT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



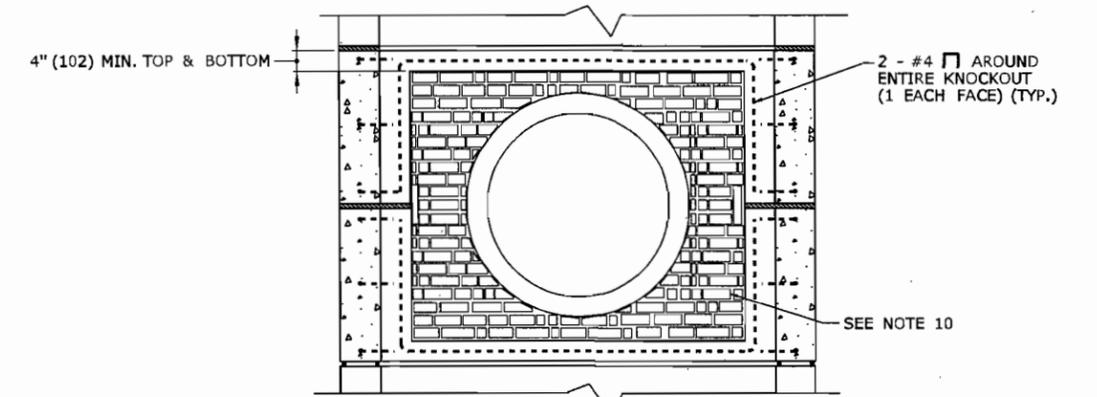
MORTAR JOINT DETAIL



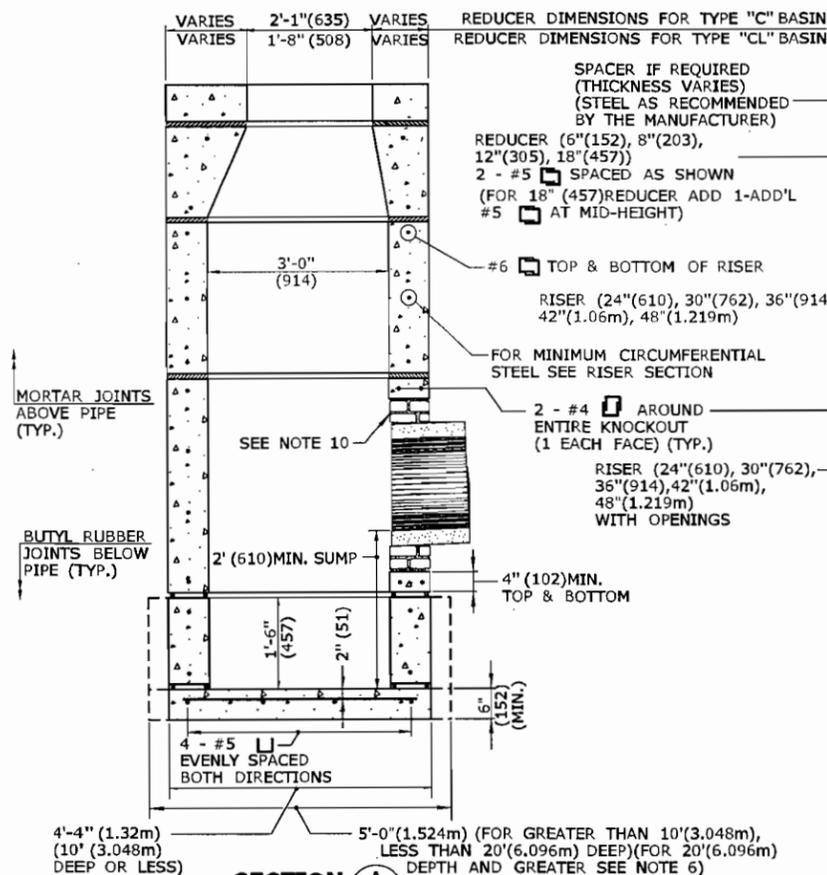
BUTYL RUBBER JOINT DETAIL



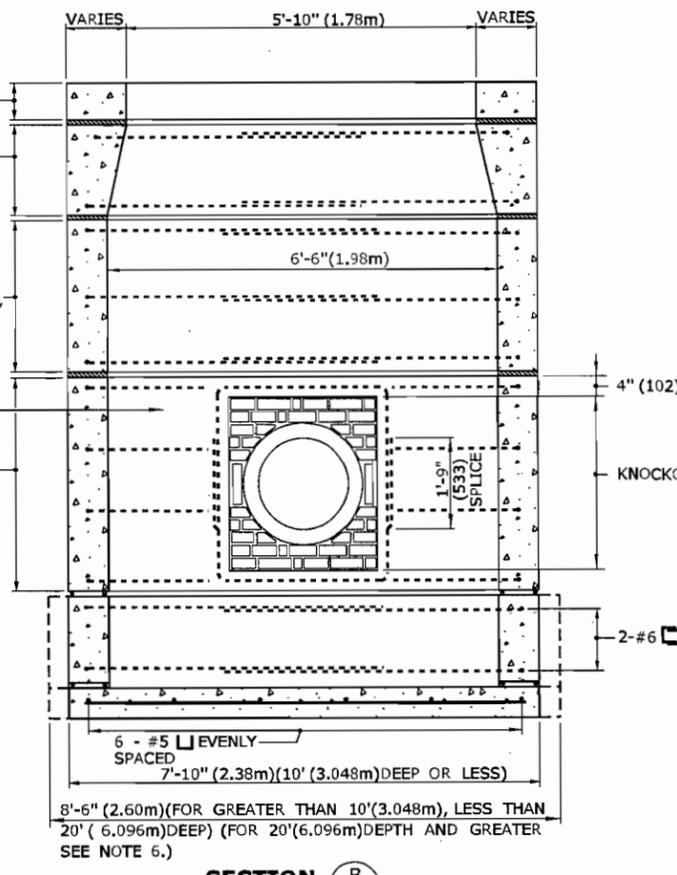
TYPICAL SECTION THRU SINGLE RISER WITH KNOCKOUTS



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

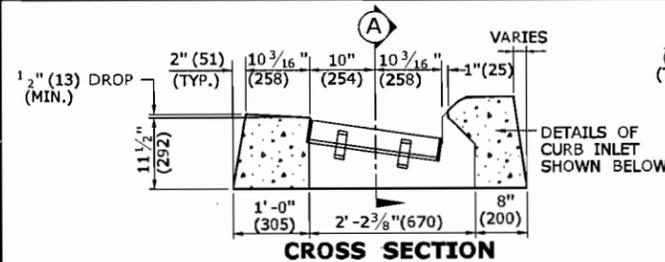
PRECAST CONCRETE TYPE "C" & "C-L" DOUBLE GRATE TYPE II CATCH BASIN (UNDER 10' (3.048m) DEEP SHOWN)

GENERAL NOTES:

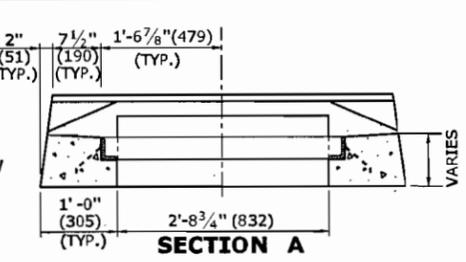
1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL 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 DRAWING 507-K 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. KNOCKOUTS FOR PIPE OPENINGS 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

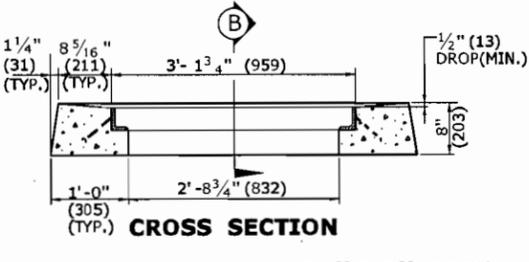
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		NOT TO SCALE		SUBMITTED BY: NAME/DATE/TIME Timothy M. Wilson 2009.09.16 11:15:31 -04'00'		STANDARD SHEET TITLE TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE-II		STANDARD SHEET NO. HW-507_06	
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		CTDOT STANDARD SHEET		APPROVED BY: NAME/DATE/TIME James H. Norman 2009.09.18 14:21:48 -04'00'		OFFICE OF ENGINEERING			
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 9/11/2009	Filename: CTDOT_HIGHWAY STD.dgn	Model: HW-507_06				



CROSS SECTION
TYPE "C" CATCH BASIN TOP

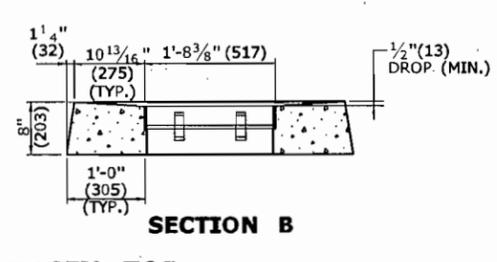


SECTION A



CROSS SECTION

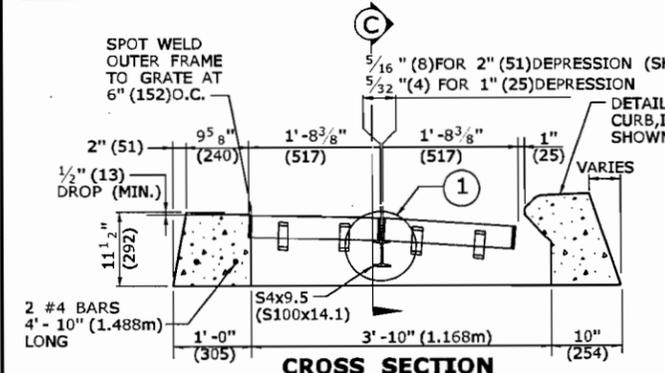
TYPE "C-L" CATCH BASIN TOP



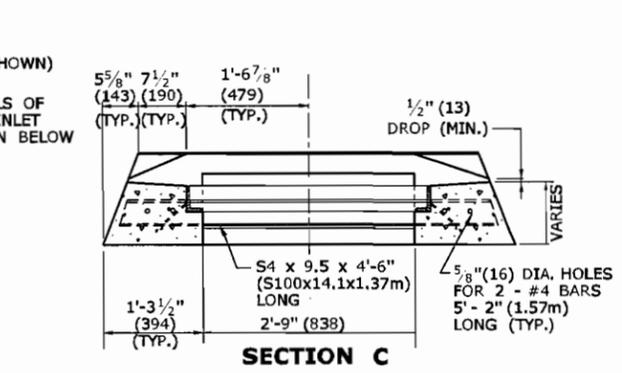
SECTION B

GENERAL NOTES:

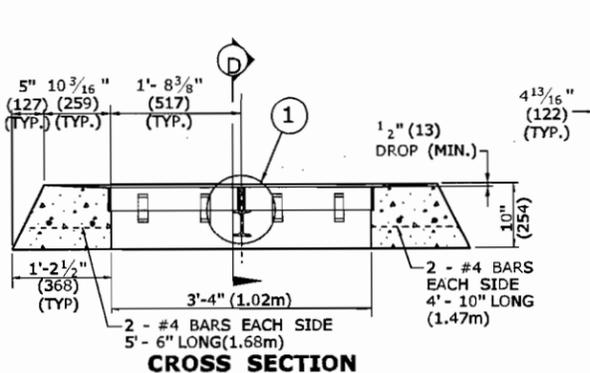
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-01.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.



CROSS SECTION
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP

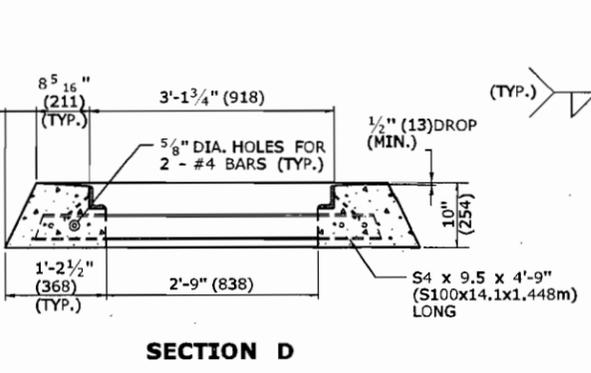


SECTION C

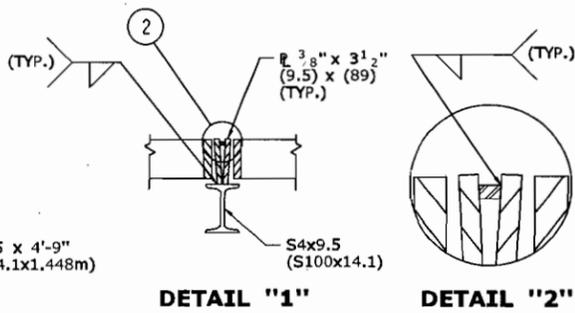


CROSS SECTION

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP

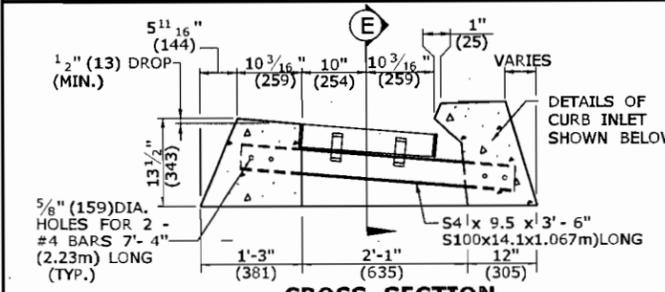


SECTION D

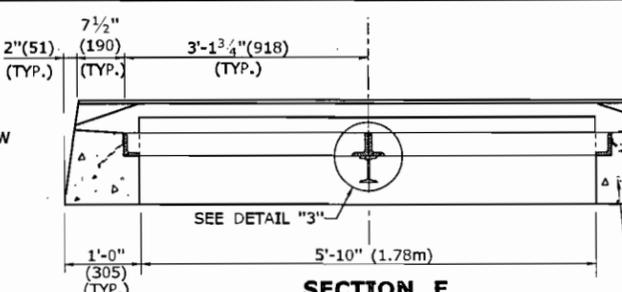


DETAIL "1"

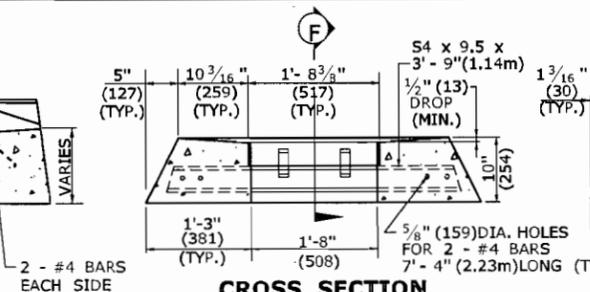
DETAIL "2"



CROSS SECTION
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP

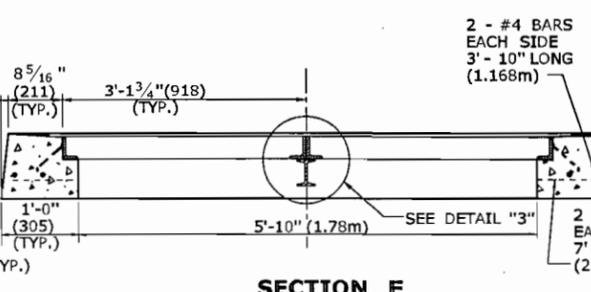


SECTION E

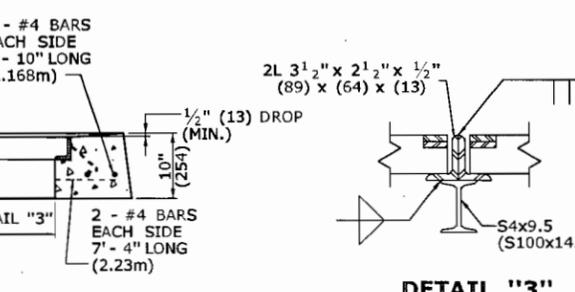


CROSS SECTION

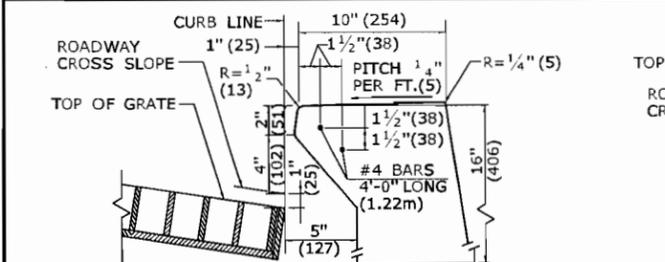
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



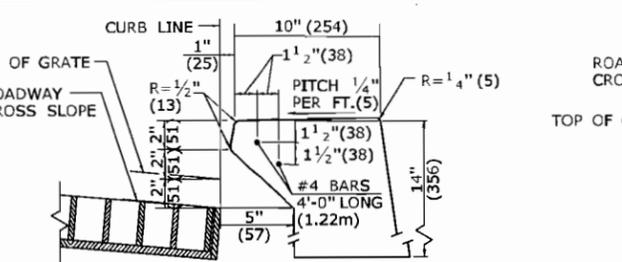
SECTION F



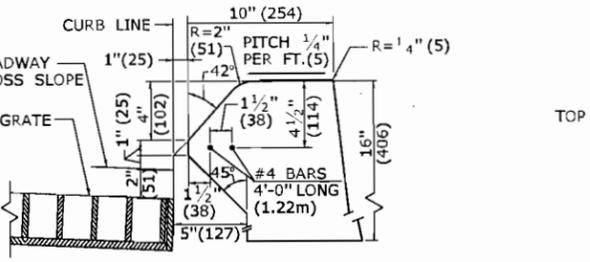
DETAIL "3"



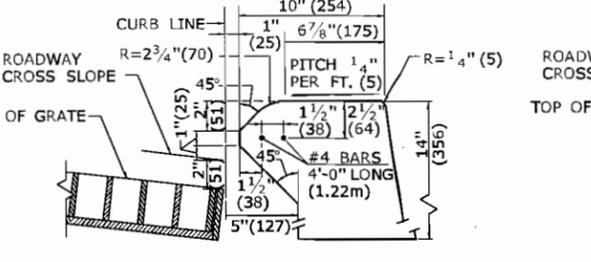
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB



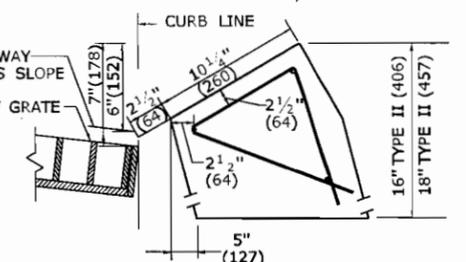
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



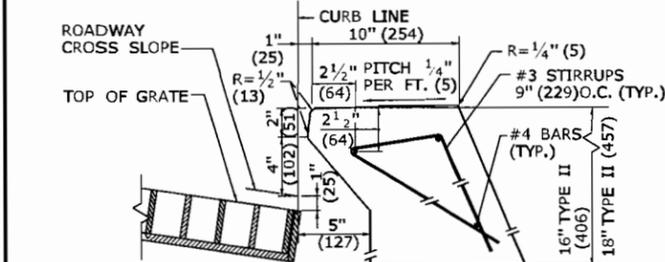
INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB



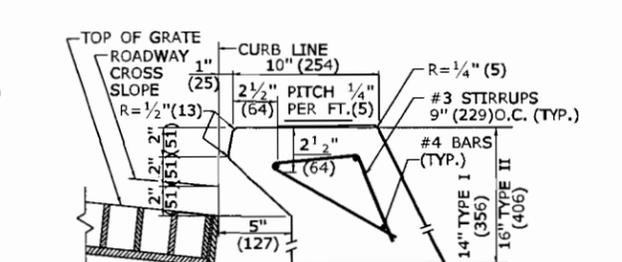
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB



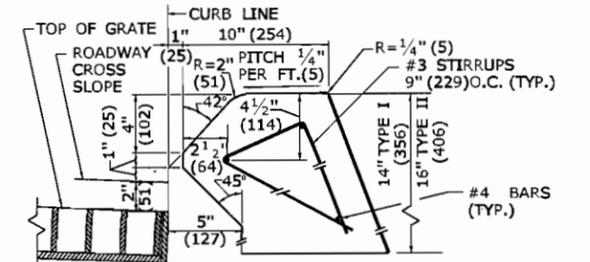
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



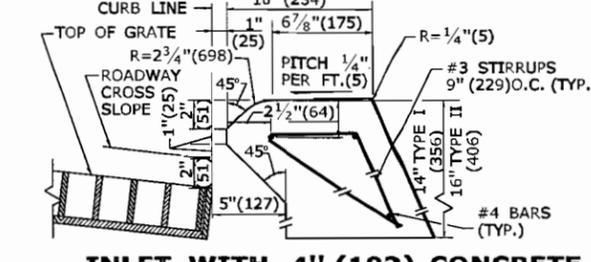
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



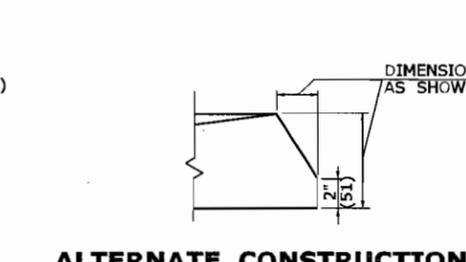
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

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

REV.	DATE	REVISION DESCRIPTION

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Plotted Date: 9/11/2009

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507_07

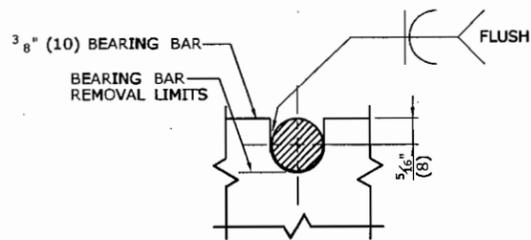
SUBMITTED BY: Timothy M. Wilson
2009.09.16 11:16:02 -04'00'

APPROVED BY: James H. Norman
2009.09.18 14:22:11 -04'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

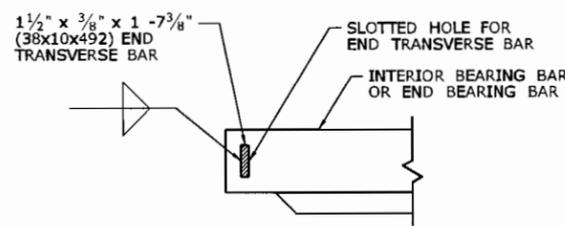
STANDARD SHEET TITLE:
TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS

STANDARD SHEET NO.:
HW-507_07

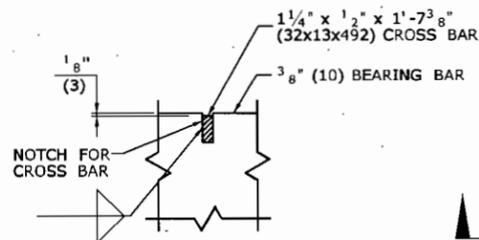


NOTE:
5/8" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

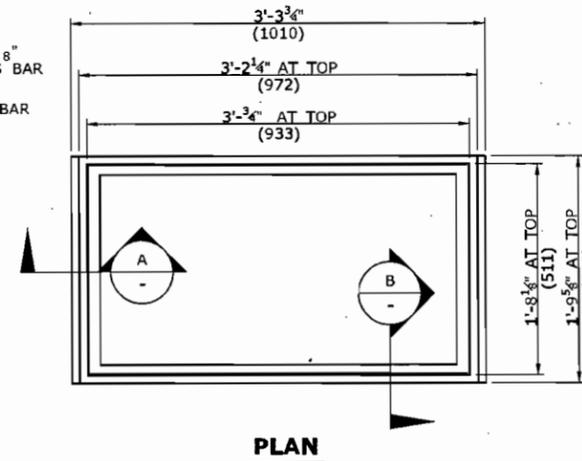
**ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A**



**END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A & B**



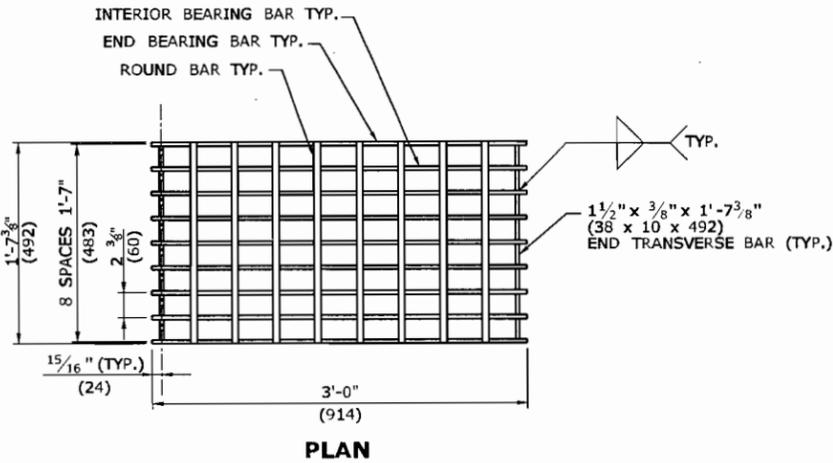
**CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B**



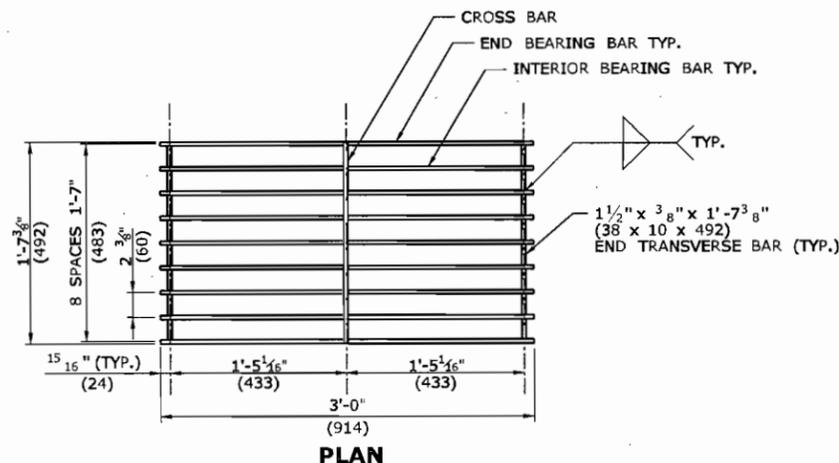
PLAN

GENERAL NOTES:

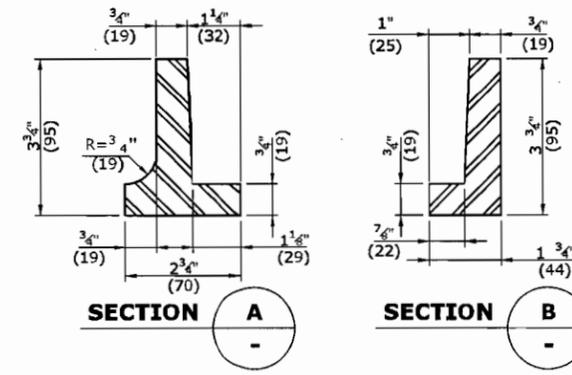
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. DO NOT GALVANIZE CAST IRON FRAMES.
6. DIMENSIONAL TOLERANCES SHALL BE $\pm 1/16"$ (1.6)
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.



PLAN



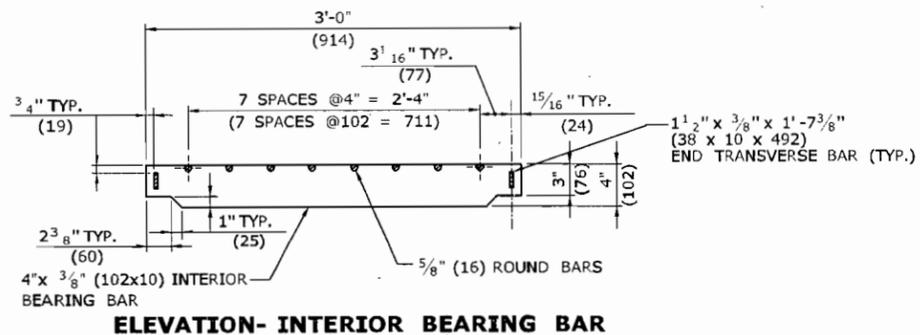
PLAN



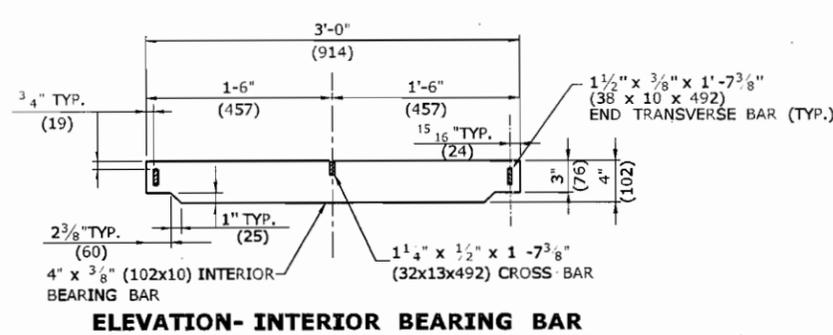
SECTION A

SECTION B

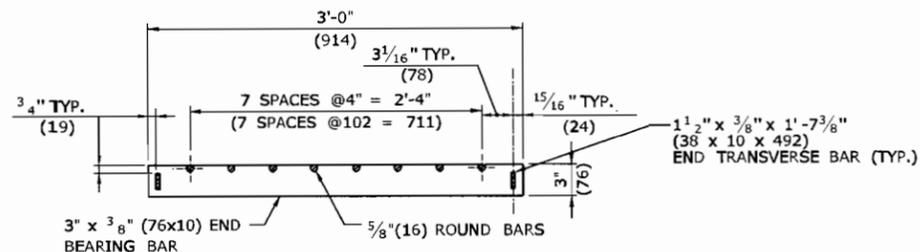
CAST IRON FRAME ALTERNATE



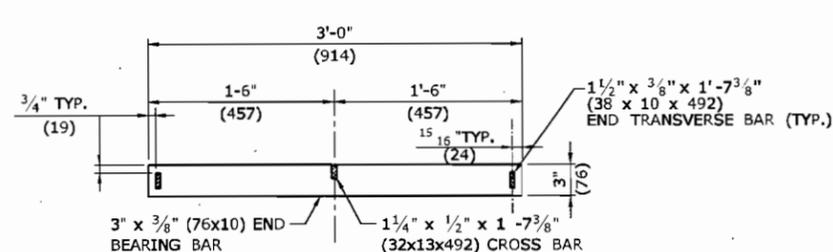
**ELEVATION- INTERIOR BEARING BAR
CATCH BASIN GRATE TYPE A**



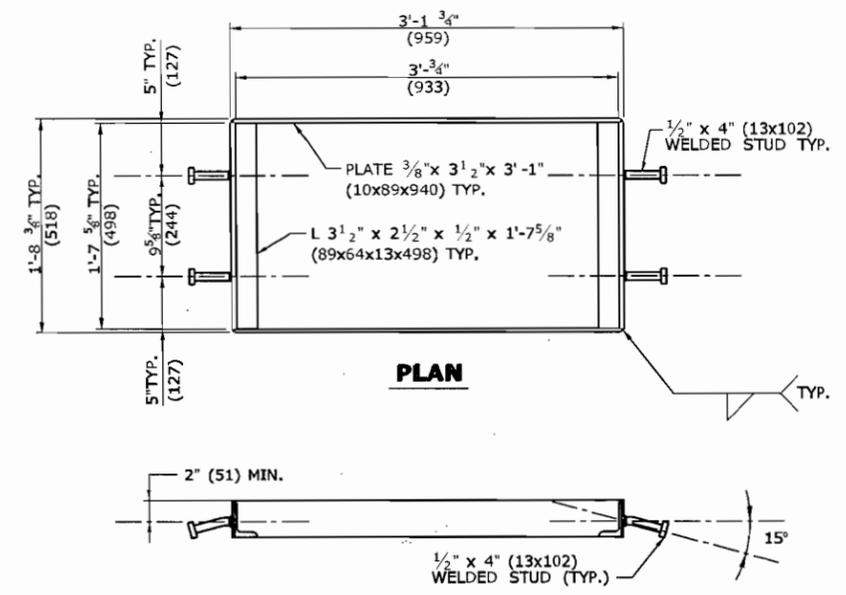
**ELEVATION- INTERIOR BEARING BAR
CATCH BASIN GRATE TYPE B**



**ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A**



**ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B**



PLAN

**WELDED STUD ANCHOR DETAILS
STEEL FRAME**

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REV.	DATE	REVISION DESCRIPTION

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Plotted Date: 9/11/2009

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507_08

SUBMITTED BY: Timothy M. Wilson
2009.09.16 11:16:32 -04'00'

APPROVED BY: James H. Norman
2009.09.18 14:22:33 -04'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

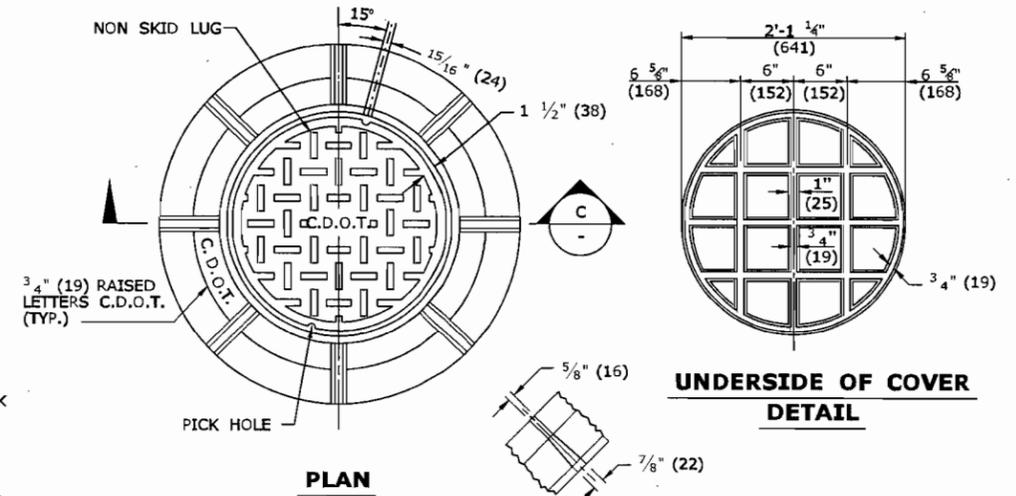
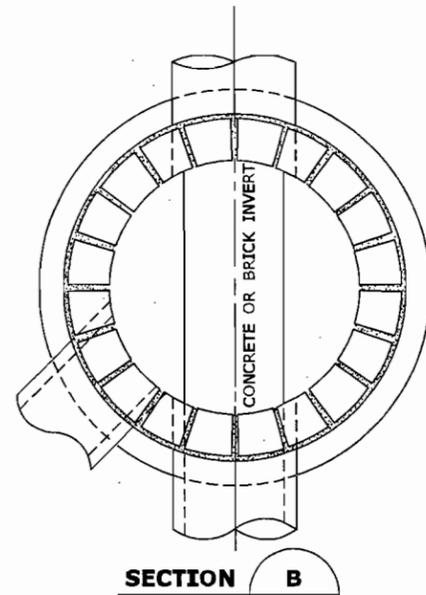
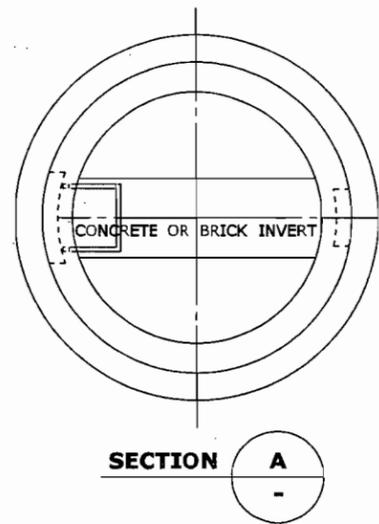
STANDARD SHEET TITLE:
CATCH BASIN FRAMES AND GRATES

STANDARD SHEET NO.:
HW-507_08

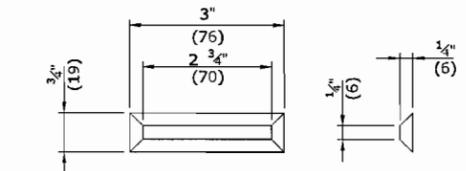
GENERAL NOTES:

- CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK OR MASONRY.
- A FRAME DIAMETER OF 3'-3" (991) WITH 4" (102) FLANGE MUST BE USED WHEN THE TOP DIAMETER OF THE PRECAST CONE IS LESS THAN 3'-6" (1067). ALL OTHER FRAME DIMENSIONS SHALL REMAIN THE SAME.
- FRAME AND COVER:

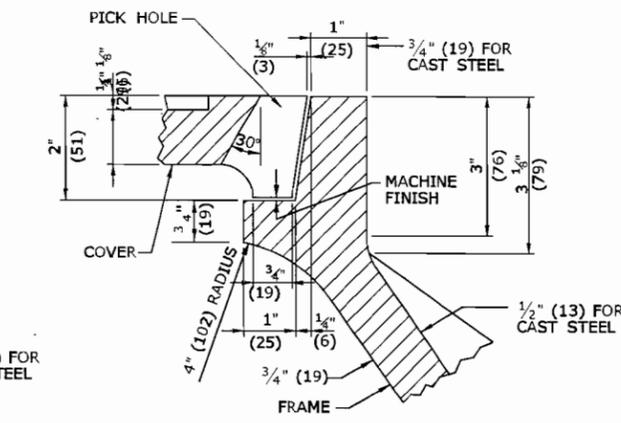
	CAST IRON	STEEL
APPROX. COVER WEIGHT	184LB.(83kg)	134LB.(61kg)
APPROX. FRAME WEIGHT	312LB.(142kg)	227LB.(103kg)
- ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.



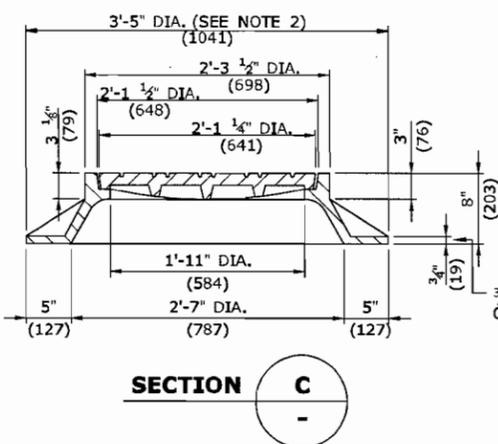
UNDERSIDE OF COVER DETAIL



NON SKID LUG DETAIL

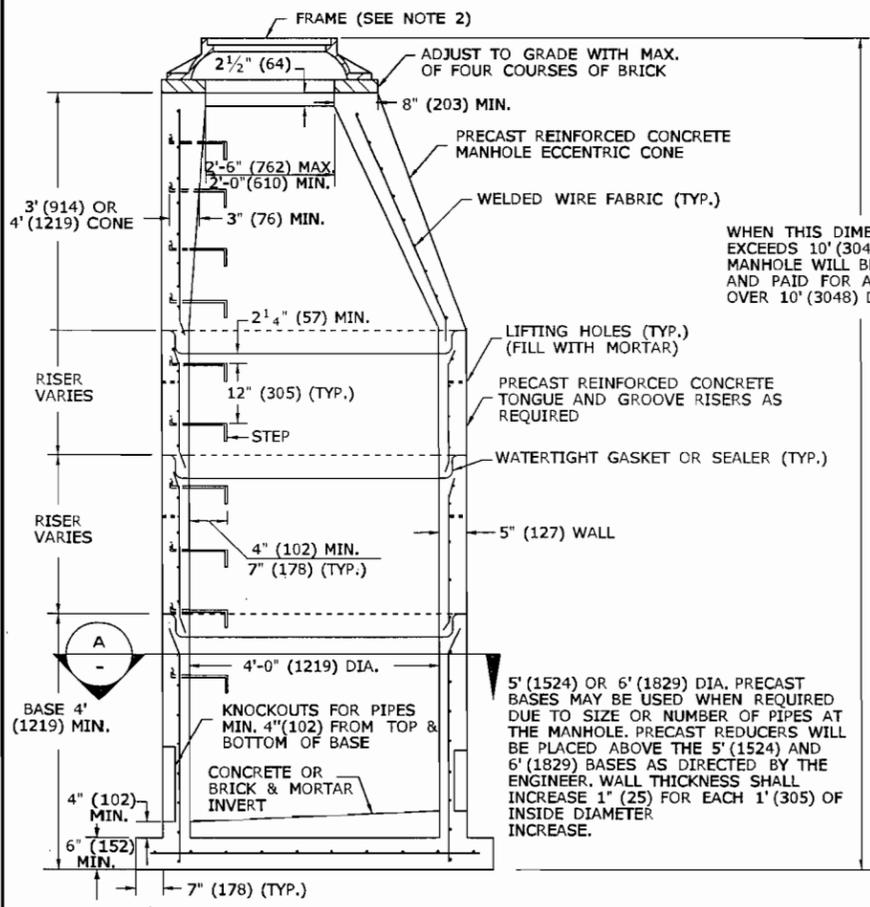


DETAIL OF SEAT



SECTION C

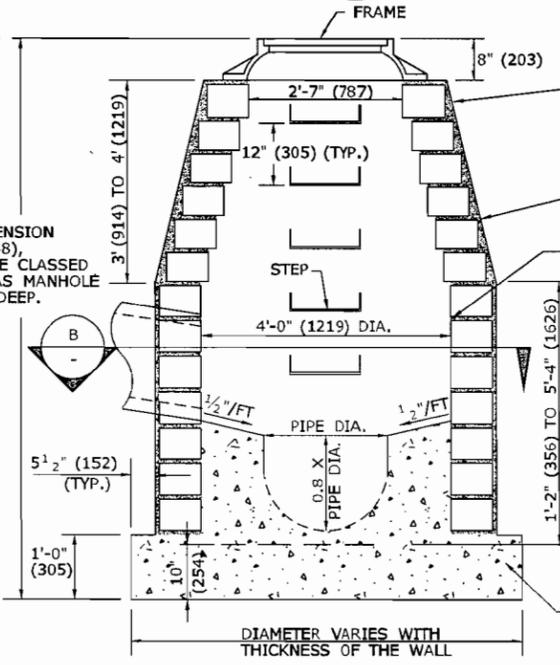
FRAME AND COVER DETAILS



ELEVATION

MANHOLE

REINFORCED PRECAST CONCRETE UNIT



ELEVATION

MANHOLE

MASONRY CONCRETE UNIT OR CLASS "A" CONCRETE

WALL SHALL BE A MIN. OF 6"(152) WITH MASONRY CONCRETE UNITS, CLASS "A" CONCRETE WALL SHALL BE 12"(300) THICK WHEN DEPTH OF MANHOLE IS GREATER THAN 10'(3048) DEEP.

MASONRY WALLS SHALL BE PLASTERED OUTSIDE WITH 2:1 CEMENT MORTAR 1/2" (13) THICK. MASONRY MUST BE WET WHEN MORTAR IS APPLIED.

ALL JOINTS SHALL BE POINTED FLUSH AND FULL.

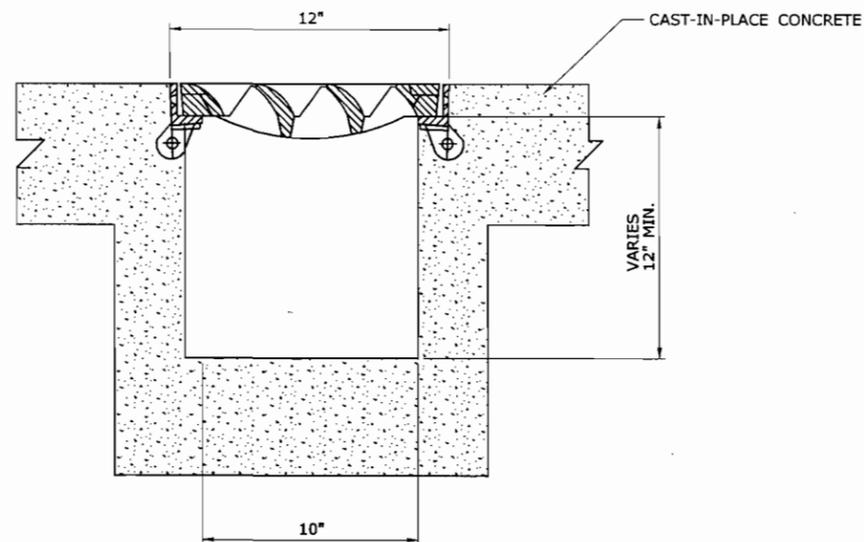
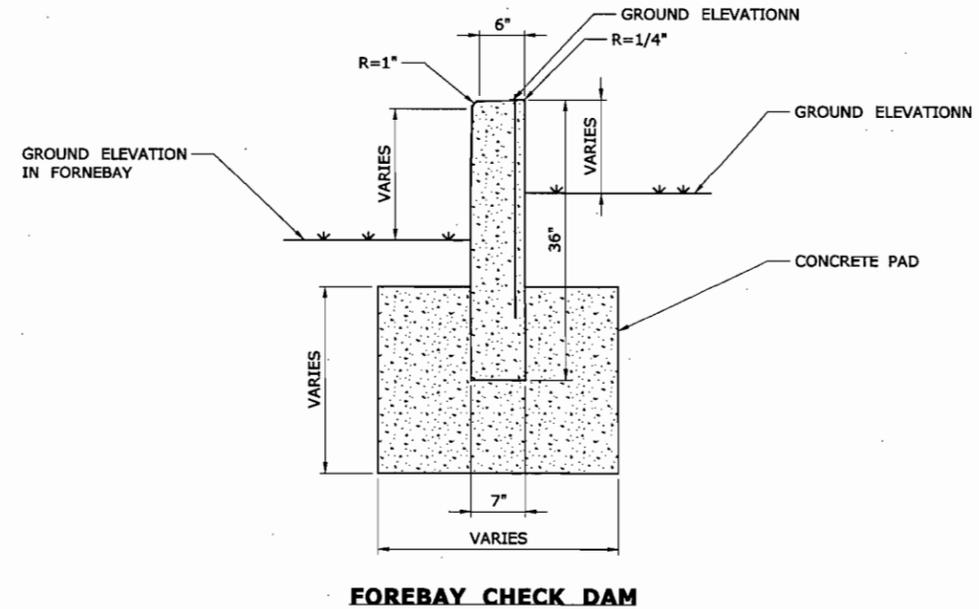
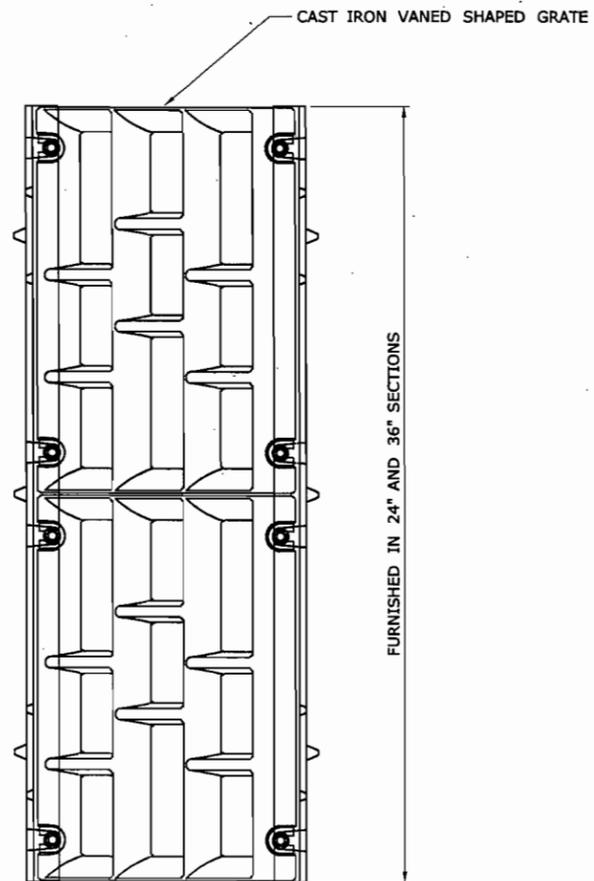
WALLS SHALL BE BUILT OF MASONRY CONCRETE UNITS OR CLASS "A" CONCRETE AT THE OPTION OF THE CONTRACTOR.

MASONRY CONCRETE UNITS SHALL BE LAID IN CEMENT SAND MORTAR 1:2 MIX. JOINTS SHALL NOT BE OVER 1/2"(13) ON INSIDE FACE.

WHEN THIS DIMENSION EXCEEDS 10'(3048), MANHOLE WILL BE CLASSED AND PAID FOR AS MANHOLE OVER 10'(3048) DEEP.

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

<table border="1"> <tr> <th>REV.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REV.	DATE	REVISION DESCRIPTION													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: 9/11/2009	NOT TO SCALE	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> Filename: CTDOT-HIGHWAY-STD.dgn Model: HW-507.10	SUBMITTED BY: Timothy M. Wilson 2009.09.16 11:17:43 -04'00' APPROVED BY: James H. Norman 2009.09.18 14:23:21 -04'00'	STANDARD SHEET TITLE: <p align="center">CTDOT STANDARD SHEET</p> <p align="center">OFFICE OF ENGINEERING</p>	STANDARD SHEET NO.: <p align="center">MANHOLE - FRAME & COVER</p> <p align="right">HW-507_10</p>
REV.	DATE	REVISION DESCRIPTION																			



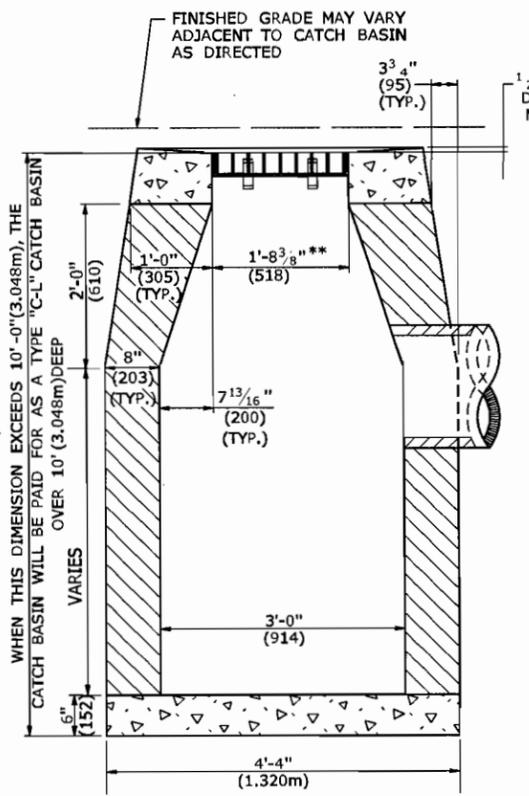
TRENCH DRAIN FRAME AND GRATE

GENERAL NOTES:

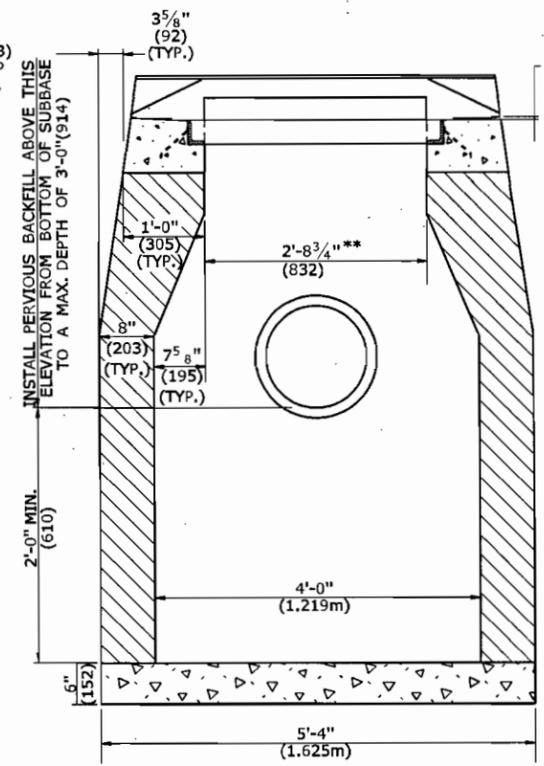
1. THE GRATE SHOULD NOT PROJECT ABOVE PAVEMENT.
2. DEPTH OF TRENCH DRAIN VARIES. SLOPE BOTTOM TO DRAIN TOWARD OUTFALL PIPE PER PLANS.

FINAL DESIGN REVIEW

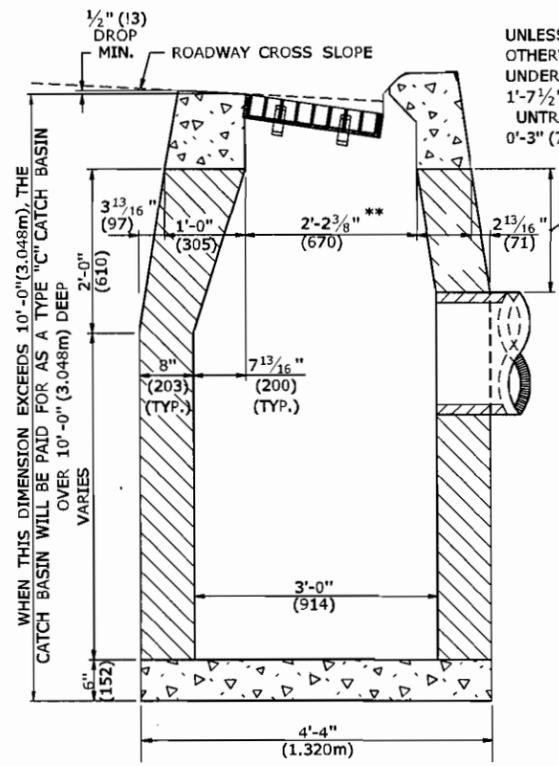
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: EAD CHECKED BY: AGB SCALE AS NOTED	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: SEA CONSULTANTS APPROVED BY: _____ DATE: _____	PROJECT TITLE: NEW BRITAIN - HARTFORD BUS RAPID TRANSIT STATIONS	TOWN: NEWINGTON, W. HARTFORD AND HARTFORD DRAWING TITLE: DRAINAGE DETAILS	PROJECT NO. 88-H039 DRAWING NO. MDS-C23 SHEET NO.
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/8/2010	Filename: ...FD_MSH_MDS_88H039_DRG-C23.dgn			



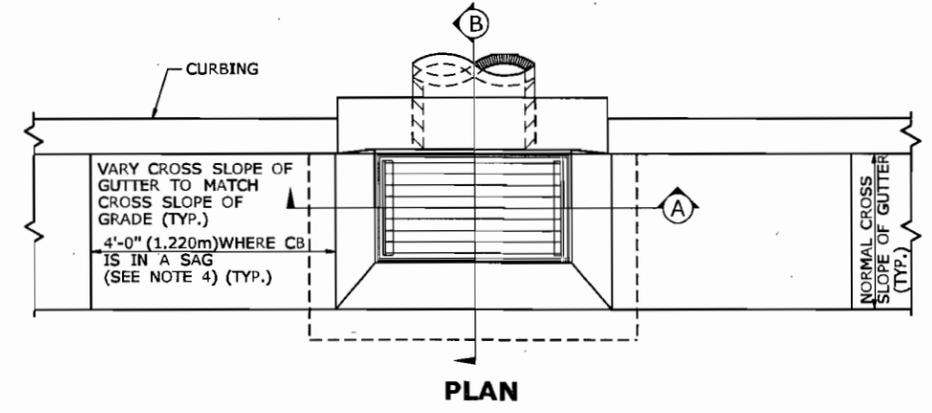
SECTION B
TYPE "C-L" CATCH BASIN



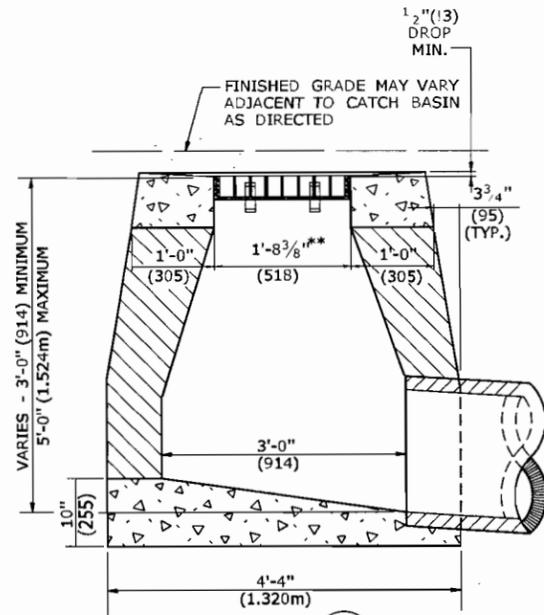
SECTION A
TYPE "C" & "C-L" CATCH BASIN (TYPE "C" TOP SHOWN)



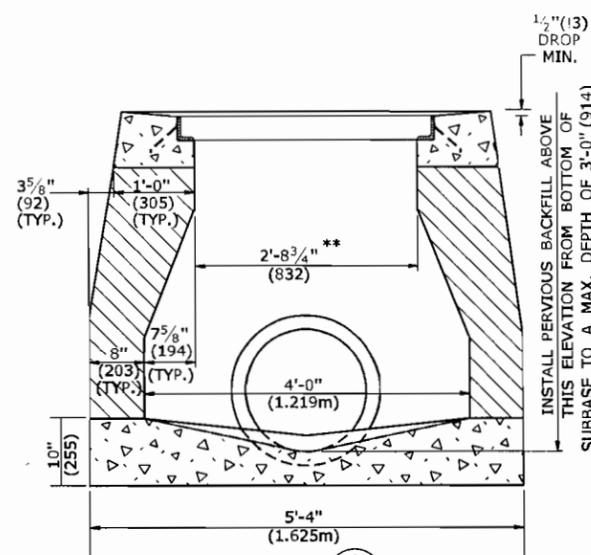
SECTION B
TYPE "C" CATCH BASIN



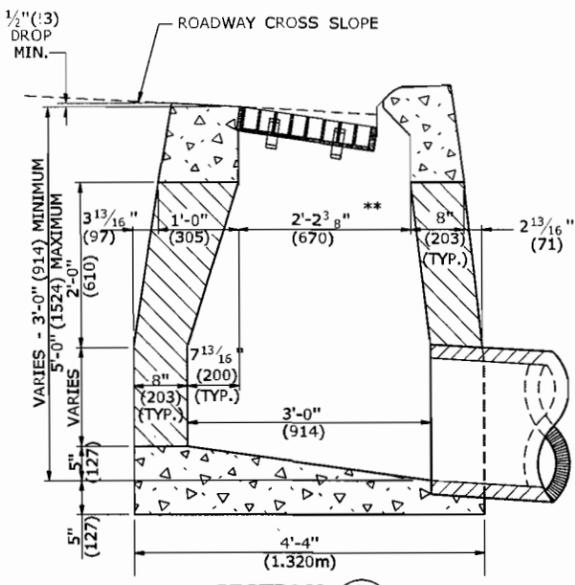
PLAN



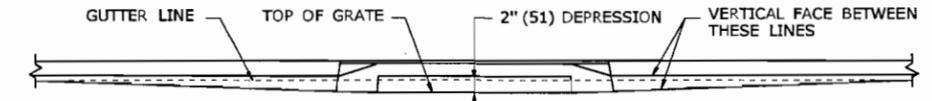
SECTION B
TYPE "C-L" DROP INLET



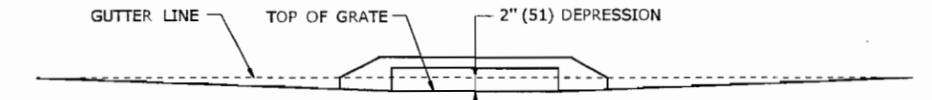
SECTION A
TYPE "C" & "C-L" DROP INLET (TYPE "C-L" TOP SHOWN)



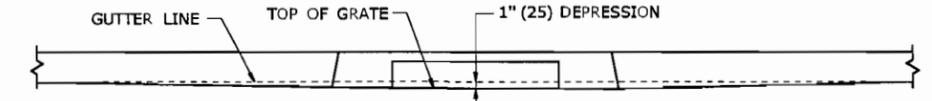
SECTION B
TYPE "C" DROP INLET



FOR CATCH BASINS IN A LINE OF 4" (102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

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

REV.	DATE	REVISION DESCRIPTION

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

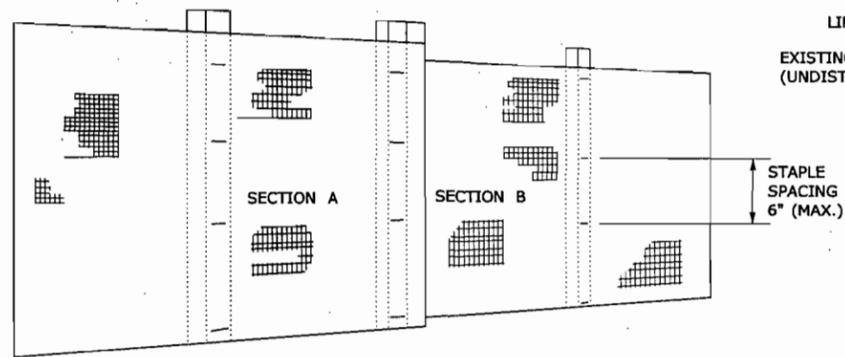
SUBMITTED BY: Timothy M. Wilson
2009.09.16 11:10:00 -04'00'

APPROVED BY: James H. Norman
2009.09.18 14:19:35 -04'00'

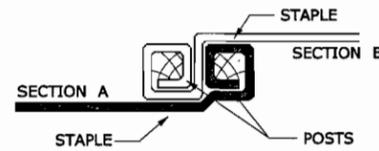
CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
TYPE "C" , "C-L" & DROP INLET CATCH BASIN

STANDARD SHEET NO.:
HW-507_01

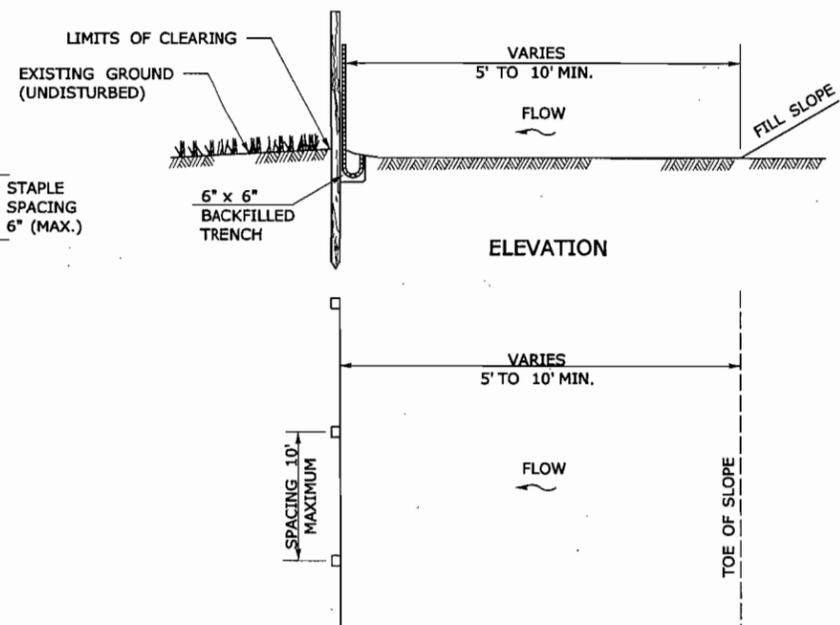


ELEVATION



PLAN

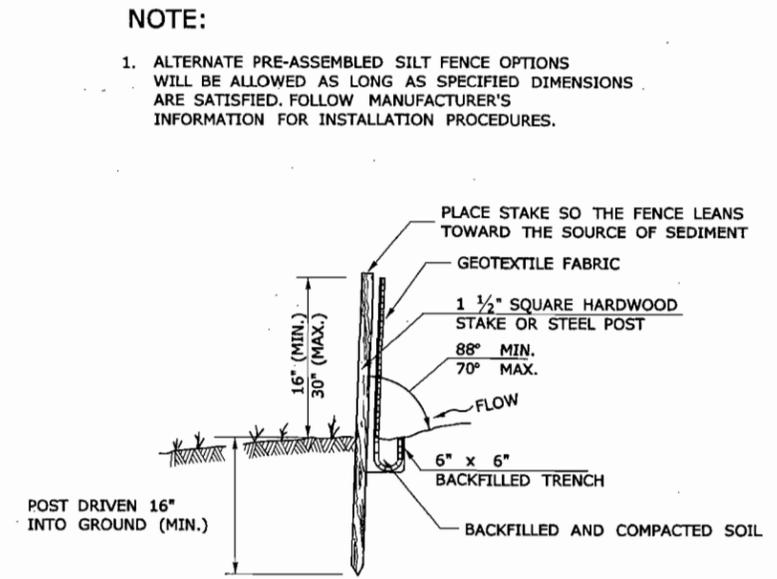
JOINING TWO ADJACENT SILT FENCE SECTIONS



ELEVATION

PLAN

SILT FENCE INSTALLATION AT TOE OF FILL

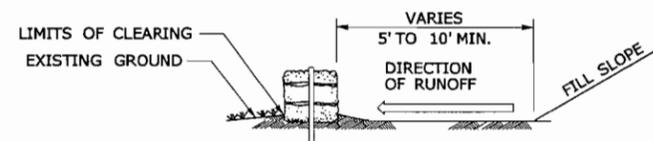


SECTION

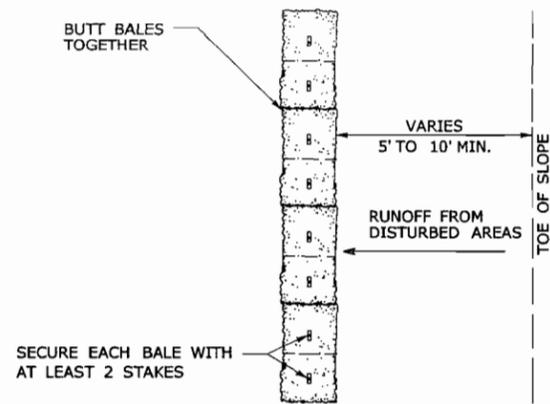
POST AND FABRIC INSTALLATION DETAIL

NOTE:

1. ALTERNATE PRE-ASSEMBLED SILT FENCE OPTIONS WILL BE ALLOWED AS LONG AS SPECIFIED DIMENSIONS ARE SATISFIED. FOLLOW MANUFACTURER'S INFORMATION FOR INSTALLATION PROCEDURES.

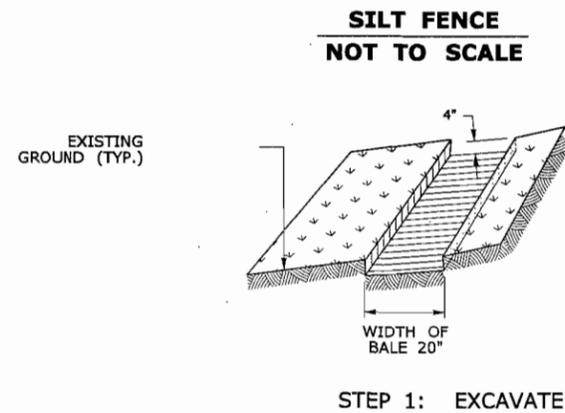


ELEVATION



PLAN

INSTALLATION OF A HAY BALE BARRIER AT TOE OF FILL

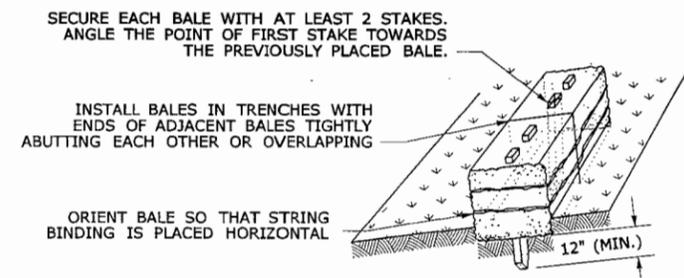


**SILT FENCE
NOT TO SCALE**

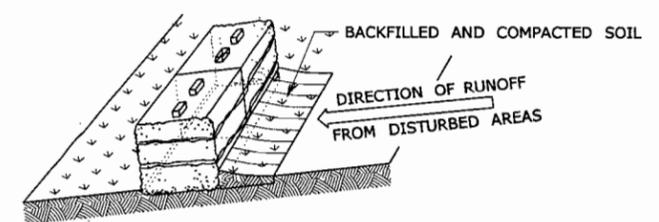
STEP 1: EXCAVATE TRENCH



STEP 3: TIGHTLY PACK STRAW BETWEEN BALES
(PLAN VIEW OF BALES)



STEP 2: INSTALL BALES



STEP 4: BACKFILL SOIL AGAINST BALES

PROPERLY STAKED AND ENTRENCHED HAY BALES

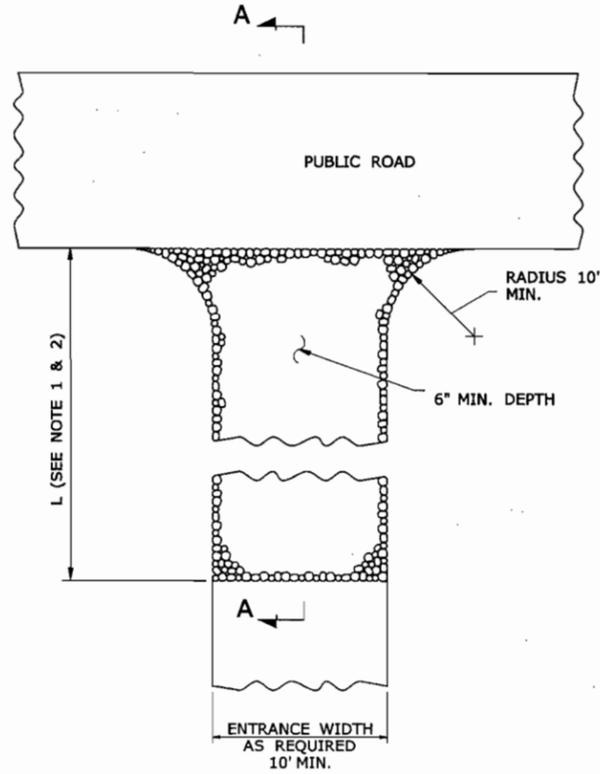
**HAY BALES
NOT TO SCALE**

FINAL DESIGN REVIEW

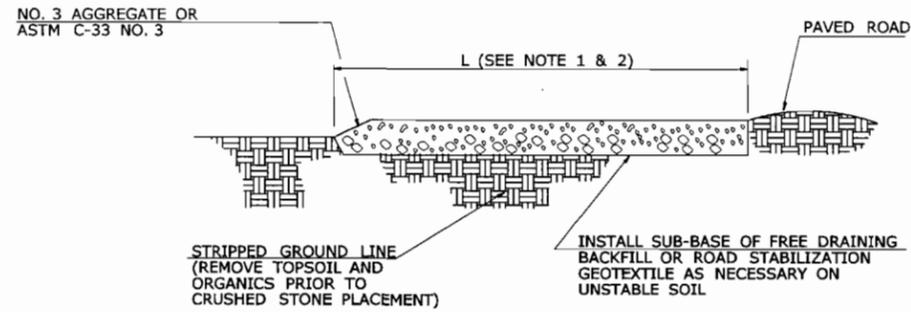
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	Plotted Date: 7/8/2010	Filename: ...FD_MSH_MDS_88H039_CIV-01.dgn									
REV. DATE REVISION DESCRIPTION SHEET NO.											

NOTES:

1. L=50' MIN. WHERE THE SOILS ARE SANDS OR GRAVELS
2. L=100' MIN. WHERE THE SOILS ARE CLAYS OR SILTS
3. PAID FOR UNDER ITEM "ANTI-TRACKING PAD" INCLUDING ALL MATERIALS, TOOLS, EQUIPMENT, LABOR INCIDENTAL TO INSTALLATION AND REMOVAL THERETO.



PLAN

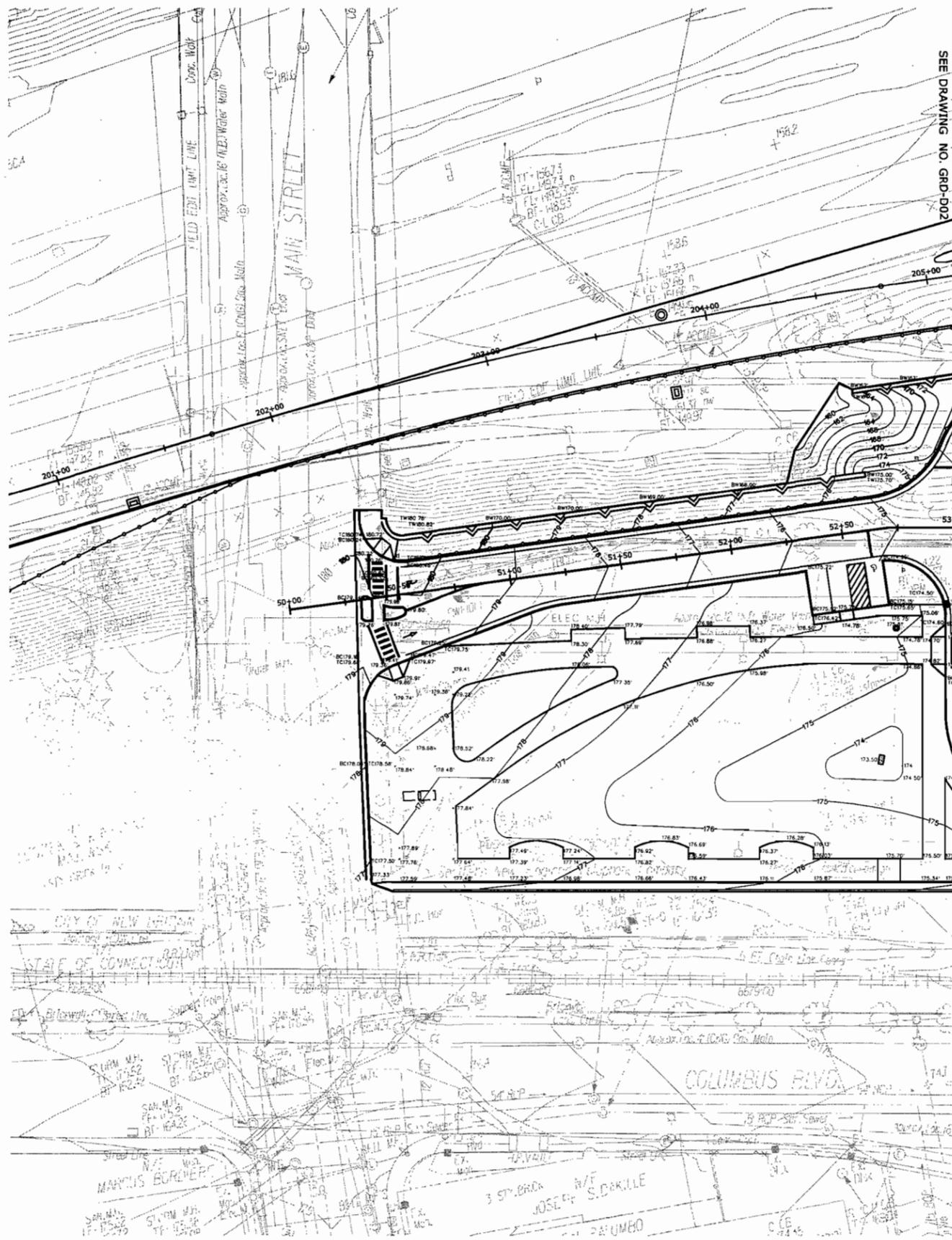


SECTION A-A

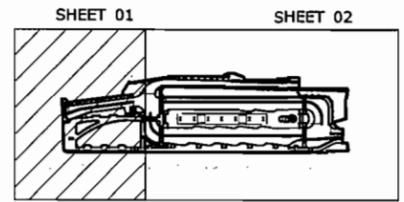
**ANTI-TRACKING CONSTRUCTION ENTRANCE RAMP
NOT TO SCALE**

FINAL DESIGN REVIEW

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.		DESIGNER/DRAFTER: EAD CHECKED BY: AGB NTS	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: S E A CONSULTANTS APPROVED BY: _____ DATE: _____	PROJECT TITLE: NEW BRITAIN - HARTFORD BUS RAPID TRANSIT STATIONS	TOWN: NEWINGTON, W. HARTFORD HARTFORD DRAWING TITLE: CIVIL DETAILS	PROJECT NO. 88-H039 DRAWING NO. MDS-C02 SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/8/2010	Filename: ...FD_MSH_MDS.88H039_CIV-02.dgn		



MATCH LINE -
SEE DRAWING NO. GRD-D02



KEY PLAN

PRELIMINARY DESIGN REVIEW

REV. DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

DESIGNER/DRAFTER:
EAD
CHECKED BY:
AGB
SCALE IN FEET
0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

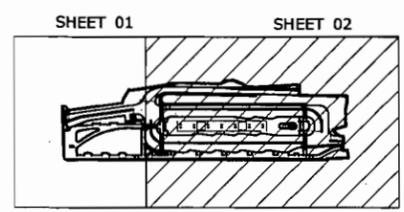
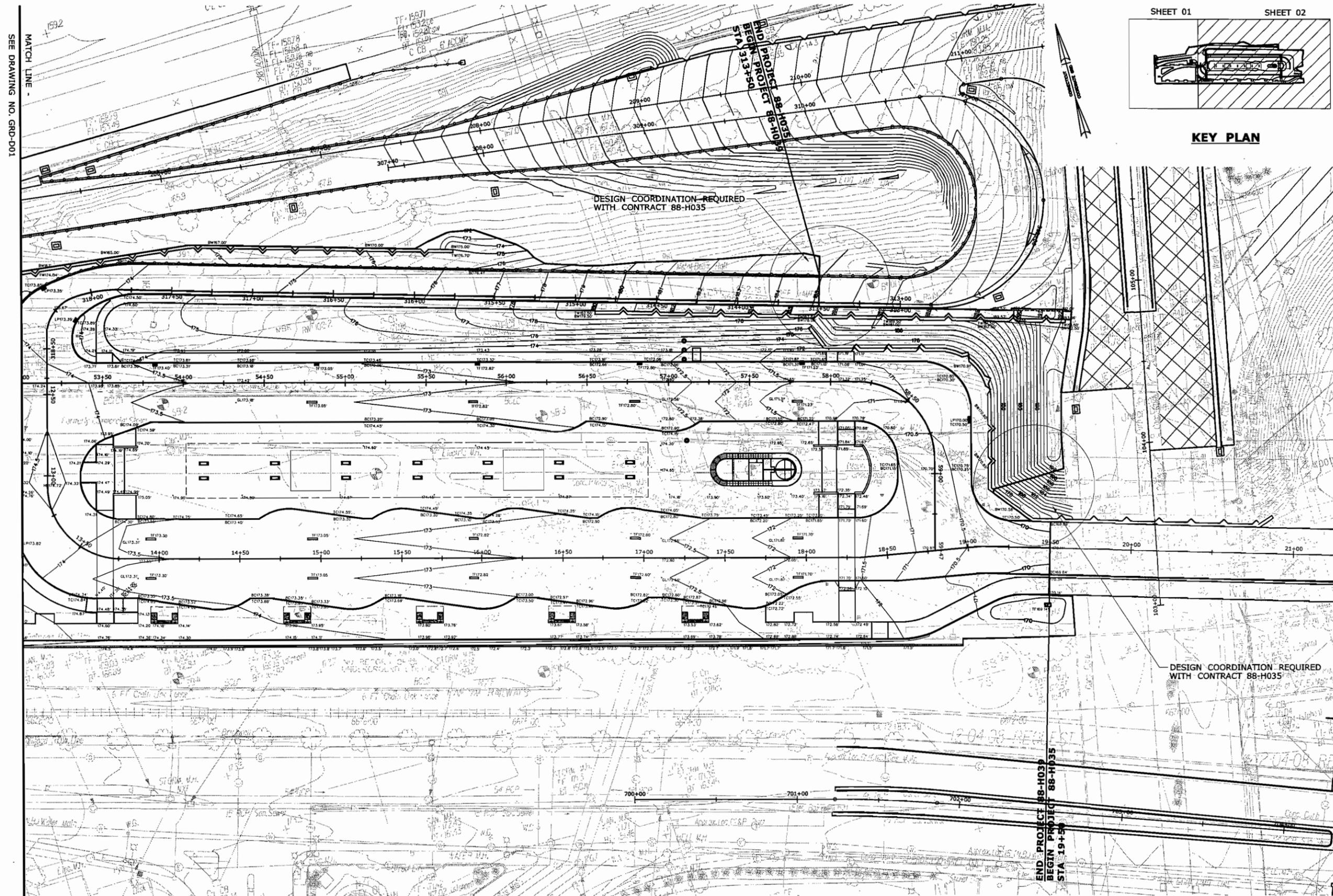
Filename: ...VFD_MSH_GRD_88H039_NEW_BRTAJN-01.dgn

SIGNATURE/BLOCK:
S E A CONSULTANTS
APPROVED BY: DATE:

PROJECT TITLE:
**NEW BRITAIN - HARTFORD
BUS RAPID TRANSIT STATIONS
DOWNTOWN NEW BRITAIN**

TOWN:
NEW BRITAIN
DRAWING TITLE:
GRADING PLAN

PROJECT NO.
88-H039
DRAWING NO.
GRD-D01
SHEET NO.



KEY PLAN

SEE DRAWING NO. GRD-D01
MATCH LINE

END PROJECT 88-H035
BEGIN PROJECT 88-H035
STA 19+50

PRELIMINARY DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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.

DESIGNER/DRAFTER: **EAD**
CHECKED BY: **AGB**
SCALE IN FEET
0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK: **S E A CONSULTANTS**
APPROVED BY: _____ DATE: _____

PROJECT TITLE:
**NEW BRITAIN - HARTFORD
BUS RAPID TRANSIT STATIONS
DOWNTOWN NEW BRITAIN**

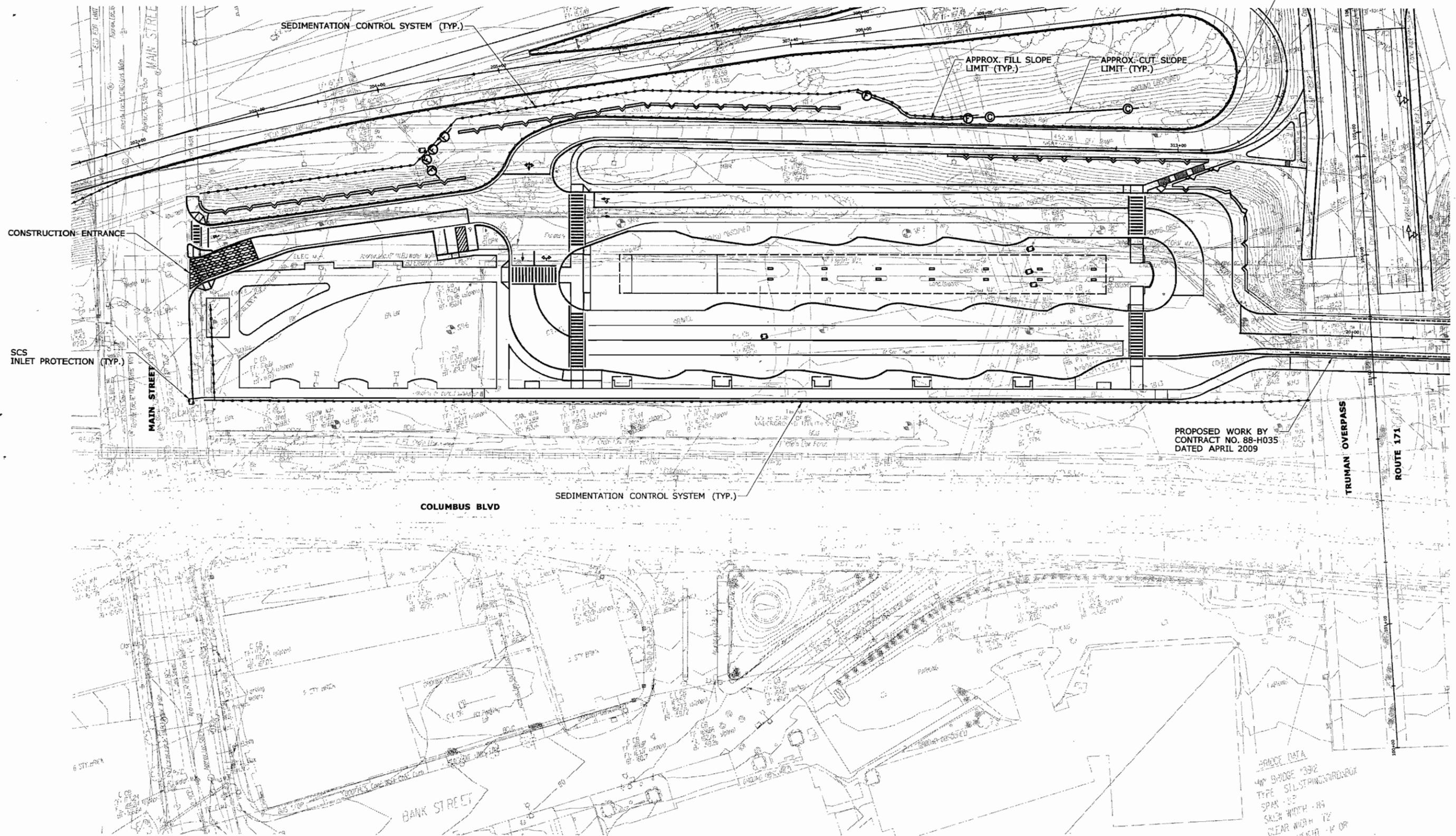
TOWN: **NEW BRITAIN**
DRAWING TITLE: **GRADING PLAN**

PROJECT NO. **88-H039**
DRAWING NO. **GRD-D02**
SHEET NO.

Filename: ...VD_MSH_GRD_88H039_NEW BRITAIN-02.dgn

Plotted Date: 5/12/2010

PROPOSED WORK BY
 CONTRACT NO. 88-H035
 DATED APRIL 2009



PROPOSED WORK BY
 CONTRACT NO. 88-H035
 DATED APRIL 2009

BRIDGE DATA
 40' BRIDGE "3912"
 TYPE: SILL-STRIP/ROADWAY
 SPAN: 32'
 SKIN WIDTH: 16"
 CLEAR WIDTH: 72"
 CHKPT: 1-09

ENVIRONMENTAL PERMIT REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted Date: 11/3/2009

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.

DESIGNER/DRAFTER:
KRV

CHECKED BY:
 -

SCALE IN FEET
 0 40 80
 SCALE 1"=40'



SIGNATURE/
 BLOCK:
 -

APPROVED BY: DATE:

PROJECT TITLE:
**NEW BRITAIN - HARTFORD
 BUS RAPID TRANSIT STATIONS**

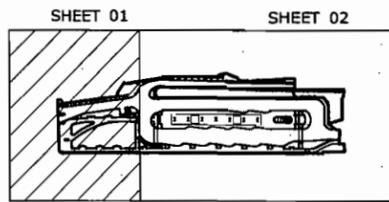
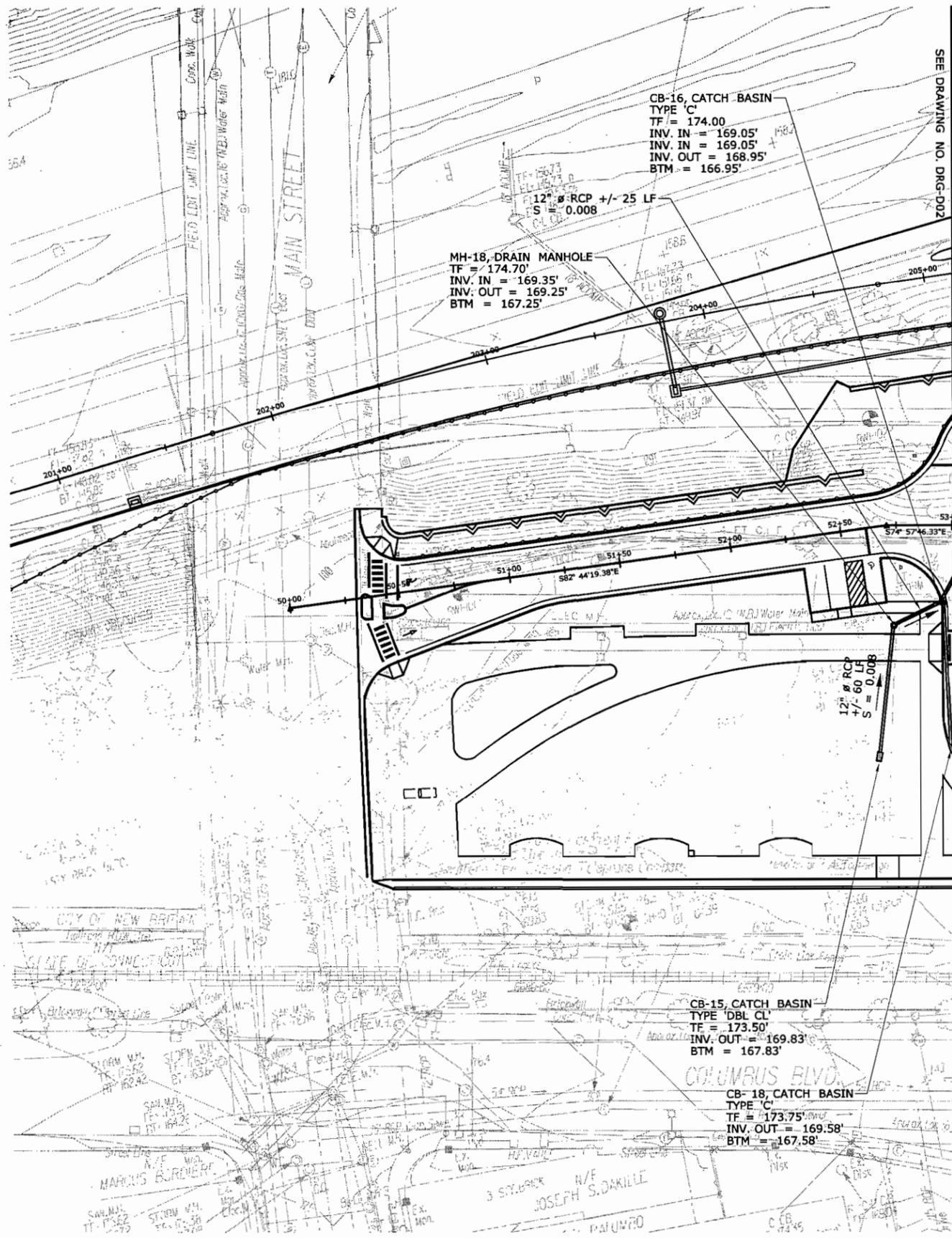
TOWN:
NEW BRITAIN

DRAWING TITLE:
**NEW BRITAIN
 SEDIMENTATION CONTROL**

PROJECT NO.
88-H039

DRAWING NO.
SED-XX

SHEET NO.
\$\$\$



KEY PLAN

PRELIMINARY DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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: 5/11/2010

DESIGNER/DRAFTER:
EAD

CHECKED BY:
AGB

SCALE IN FEET
 0 30 60
 SCALE 1"=30'



SIGNATURE/
 BLOCK:
SE A CONSULTANTS

APPROVED BY: DATE:

PROJECT TITLE:
**NEW BRITAIN - HARTFORD
 BUS RAPID TRANSIT STATIONS
 DOWNTOWN NEW BRITAIN**

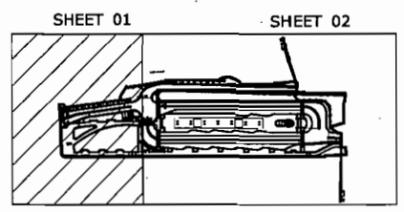
TOWN:
NEW BRITAIN

DRAWING TITLE:
DRAINAGE PLAN

PROJECT NO.
88-H039

DRAWING NO.
DRG-D01

SHEET NO.



KEY PLAN

CB-19, CATCH BASIN
TYPE 'C'
TF = 173.39'
INV. IN = 168.29'
INV. IN = 168.29'
INV. OUT = 168.19'
BTM = 166.19'

CB-17, CATCH BASIN
TYPE 'C'
TF = 173.35'
INV. IN = 169.18'
BTM = 167.18'

CB-21, CATCH BASIN
TYPE 'C'
TF = 173.05'
INV. IN = 165.87'
INV. IN = 167.00'
INV. OUT = 165.77'
BTM = 166.85'

CB-20, CATCH BASIN
TYPE 'C'
TF = 173.40'
INV. IN = 167.75'
INV. IN = 167.75'
INV. OUT = 166.67'
BTM = 165.65'

CB-22, CATCH BASIN
TYPE 'C'
TF = 172.82'
INV. IN = 164.97'
INV. IN = 164.97'
INV. OUT = 164.87'
BTM = 162.87'

MH-17, DRAIN MANHOLE
TF = 173.00'
INV. IN = 163.63'
INV. IN = 163.63'
INV. OUT = 163.53'
BTM = 161.53'

MH-16, DRAIN MANHOLE
TF = 173.05'
INV. IN = 163.76'
INV. IN = 163.76'
INV. OUT = 164.50'
BTM = 161.66'

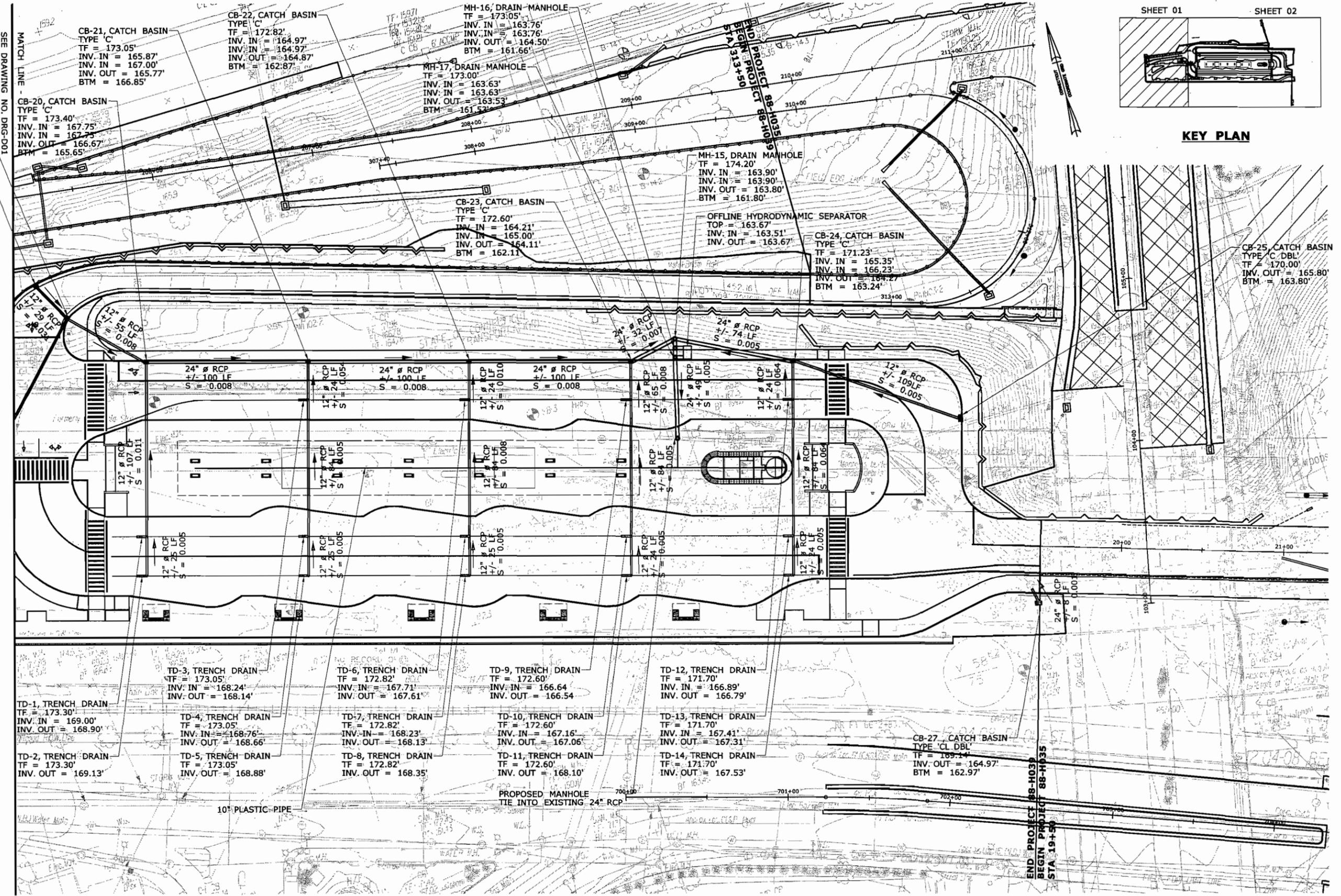
CB-23, CATCH BASIN
TYPE 'C'
TF = 172.60'
INV. IN = 164.21'
INV. IN = 165.00'
INV. OUT = 164.11'
BTM = 162.11'

MH-15, DRAIN MANHOLE
TF = 174.20'
INV. IN = 163.90'
INV. IN = 163.90'
INV. OUT = 163.80'
BTM = 161.80'

OFFLINE HYDRODYNAMIC SEPARATOR
TOP = 163.67'
INV. IN = 163.51'
INV. OUT = 163.67'

CB-24, CATCH BASIN
TYPE 'C'
TF = 171.23'
INV. IN = 165.35'
INV. IN = 166.23'
INV. OUT = 164.27'
BTM = 163.24'

CB-25, CATCH BASIN
TYPE 'C DBL'
TF = 170.00'
INV. OUT = 165.80'
BTM = 163.80'



SEE DRAWING NO. DRG-D01

END PROJECT 88-H039
BEGIN PROJECT 88-H035
STA. 19+50

PRELIMINARY DESIGN REVIEW

REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 5/12/2010	DESIGNER/DRAFTER: EAD	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: S E A CONSULTANTS	PROJECT TITLE: NEW BRITAIN - HARTFORD BUS RAPID TRANSIT STATIONS DOWNTOWN NEW BRITAIN	TOWN: NEW BRITAIN	PROJECT NO. 88-H039
				CHECKED BY: AGB		APPROVED BY: _____ DATE: _____		DRAWING TITLE: DRAINAGE PLAN	DRAWING NO. DRG-D02
				SCALE IN FEET 0 30 60 SCALE 1"=30'	Filename: ...FD_MSH_DRG_88H039_NEW BRITAIN-02.dgn			SHEET NO.	