

CITY OF NORWALK

DEPARTMENT OF PUBLIC WORKS

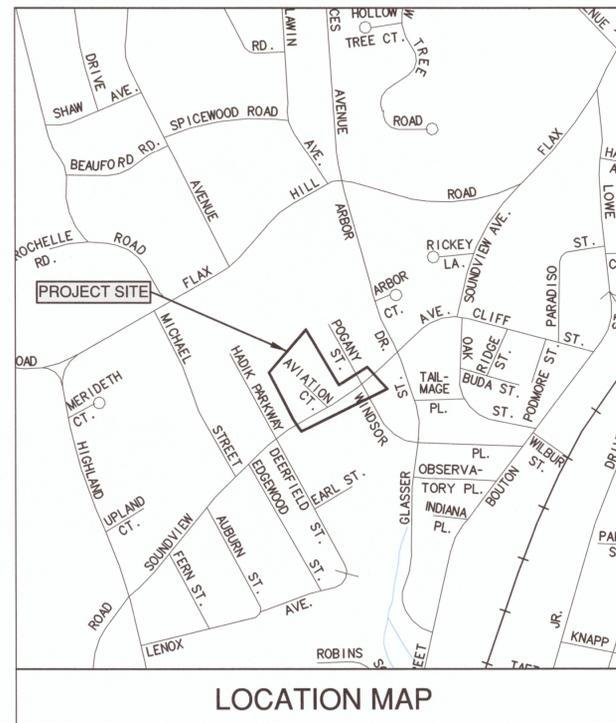
STORM DRAINAGE IMPROVEMENTS AT FODOR FARM, AVIATION COURT AND SOUNDVIEW AVENUE

PROJECT NUMBER - DRG2016-2
DATE - JULY 8, 2016

MAYOR
HONORABLE HARRY W. RILLING
DIRECTOR OF PUBLIC WORKS
BRUCE J. CHIMENTO, P.E.

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PREPARED BY:

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GENERAL NOTES

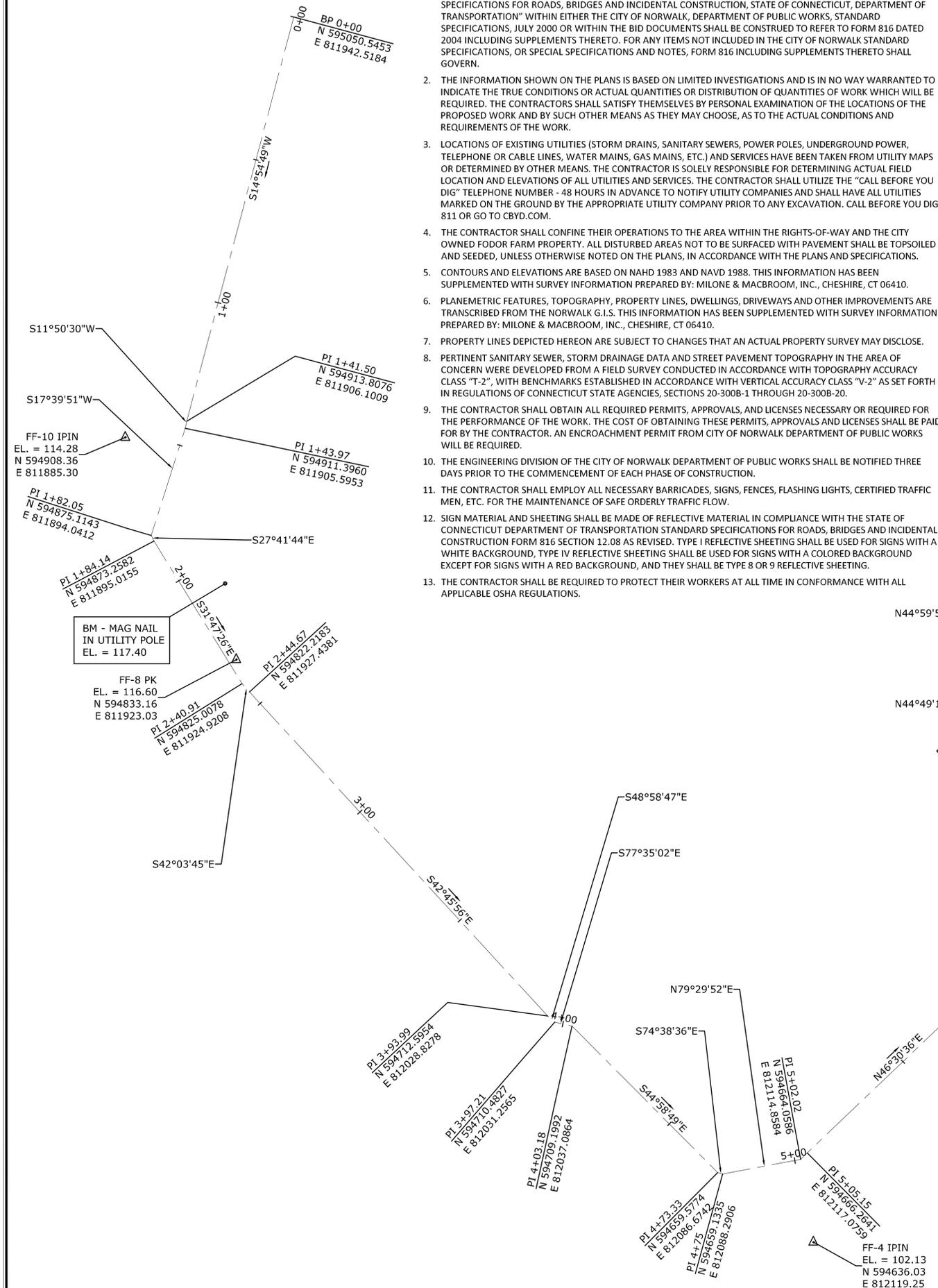
- ALL WORK AND MATERIAL SHALL CONFORM TO THE CONTRACT SPECIFICATIONS AND STANDARDS OF THE CITY OF NORWALK. THE CITY OF NORWALK SPECIFICATIONS SHALL GOVERN AND ANY REFERENCE TO THE "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION" WITHIN EITHER THE CITY OF NORWALK, DEPARTMENT OF PUBLIC WORKS, STANDARD SPECIFICATIONS, JULY 2000 OR WITHIN THE BID DOCUMENTS SHALL BE CONSTRUED TO REFER TO FORM 816 DATED 2004 INCLUDING SUPPLEMENTS THERETO. FOR ANY ITEMS NOT INCLUDED IN THE CITY OF NORWALK STANDARD SPECIFICATIONS, OR SPECIAL SPECIFICATIONS AND NOTES, FORM 816 INCLUDING SUPPLEMENTS THERETO SHALL GOVERN.
- THE INFORMATION SHOWN ON THE PLANS IS BASED ON LIMITED INVESTIGATIONS AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED. THE CONTRACTORS SHALL SATISFY THEMSELVES BY PERSONAL EXAMINATION OF THE LOCATIONS OF THE PROPOSED WORK AND BY SUCH OTHER MEANS AS THEY MAY CHOOSE, AS TO THE ACTUAL CONDITIONS AND REQUIREMENTS OF THE WORK.
- LOCATIONS OF EXISTING UTILITIES (STORM DRAINS, SANITARY SEWERS, POWER POLES, UNDERGROUND POWER, TELEPHONE OR CABLE LINES, WATER MAINS, GAS MAINS, ETC.) AND SERVICES HAVE BEEN TAKEN FROM UTILITY MAPS OR DETERMINED BY OTHER MEANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD LOCATION AND ELEVATIONS OF ALL UTILITIES AND SERVICES. THE CONTRACTOR SHALL UTILIZE THE "CALL BEFORE YOU DIG" TELEPHONE NUMBER - 48 HOURS IN ADVANCE TO NOTIFY UTILITY COMPANIES AND SHALL HAVE ALL UTILITIES MARKED ON THE GROUND BY THE APPROPRIATE UTILITY COMPANY PRIOR TO ANY EXCAVATION. CALL BEFORE YOU DIG 811 OR GO TO CBYD.COM.
- THE CONTRACTOR SHALL CONFINE THEIR OPERATIONS TO THE AREA WITHIN THE RIGHTS-OF-WAY AND THE CITY OWNED FODOR FARM PROPERTY. ALL DISTURBED AREAS NOT TO BE SURFACED WITH PAVEMENT SHALL BE TOPSOILED AND SEEDED, UNLESS OTHERWISE NOTED ON THE PLANS, IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- CONTOURS AND ELEVATIONS ARE BASED ON NAHD 1983 AND NAVD 1988. THIS INFORMATION HAS BEEN SUPPLEMENTED WITH SURVEY INFORMATION PREPARED BY: MILONE & MACBROOM, INC., CHESHIRE, CT 06410.
- PLANEMETRIC FEATURES, TOPOGRAPHY, PROPERTY LINES, DWELLINGS, DRIVEWAYS AND OTHER IMPROVEMENTS ARE TRANSCRIBED FROM THE NORWALK G.I.S. THIS INFORMATION HAS BEEN SUPPLEMENTED WITH SURVEY INFORMATION PREPARED BY: MILONE & MACBROOM, INC., CHESHIRE, CT 06410.
- PROPERTY LINES DEPICTED HEREON ARE SUBJECT TO CHANGES THAT AN ACTUAL PROPERTY SURVEY MAY DISCLOSE.
- PERTINENT SANITARY SEWER, STORM DRAINAGE DATA AND STREET PAVEMENT TOPOGRAPHY IN THE AREA OF CONCERN WERE DEVELOPED FROM A FIELD SURVEY CONDUCTED IN ACCORDANCE WITH TOPOGRAPHY ACCURACY CLASS "T-2", WITH BENCHMARKS ESTABLISHED IN ACCORDANCE WITH VERTICAL ACCURACY CLASS "V-2" AS SET FORTH IN REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THROUGH 20-300B-20.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, APPROVALS, AND LICENSES NECESSARY OR REQUIRED FOR THE PERFORMANCE OF THE WORK. THE COST OF OBTAINING THESE PERMITS, APPROVALS AND LICENSES SHALL BE PAID FOR BY THE CONTRACTOR. AN ENCROACHMENT PERMIT FROM CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED.
- THE ENGINEERING DIVISION OF THE CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
- THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRICADES, SIGNS, FENCES, FLASHING LIGHTS, CERTIFIED TRAFFIC MEN, ETC. FOR THE MAINTENANCE OF SAFE ORDERLY TRAFFIC FLOW.
- SIGN MATERIAL AND SHEETING SHALL BE MADE OF REFLECTIVE MATERIAL IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 816 SECTION 12.08 AS REVISED. TYPE I REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH A WHITE BACKGROUND, TYPE IV REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH A COLORED BACKGROUND EXCEPT FOR SIGNS WITH A RED BACKGROUND, AND THEY SHALL BE TYPE 8 OR 9 REFLECTIVE SHEETING.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT THEIR WORKERS AT ALL TIME IN CONFORMANCE WITH ALL APPLICABLE OSHA REGULATIONS.

- THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS WITH FILTER FABRIC AND SHALL EMPLOY ALL OTHER NECESSARY MEANS TO CONTROL AND PREVENT EROSION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL AREAS ARE STABILIZED. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF DISTURBED AREAS EXPOSED AND RE-STABILIZE THEM AS SOON AS PRACTICAL. ALL CATCH BASINS AND DRAINAGE PIPES WITHIN THE PROJECT AREA SHALL BE CLEANED OUT AT THE CONCLUSION OF THE PROJECT.
- CLEARING AND GRUBBING MAY BE REQUIRED FOR THE ENTIRE LENGTH OF THE PROJECT. THESE PLANS ONLY SHOW CERTAIN SPECIFIC WORK REQUIREMENTS, REFER TO SPECIAL PROVISIONS FOR MORE INFORMATION.
- THE CONTRACTOR SHALL REMOVE, RESET AND STORE FENCES WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY ENGINEER. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE FENCE BETWEEN THE TIME THAT IT IS REMOVED, RESET OR DURING STORAGE. ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY ENGINEER AT NO COST TO THE CITY.
- ALL PROPOSED SURVEYING WORK SHALL BE DONE IN ACCORDANCE WITH ITEM 0980002A - PROJECT SURVEY AND STAKEOUT, REFER TO SPECIAL PROVISIONS FOR MORE INFORMATION.
- STRUCTURE RIM ELEVATIONS ARE APPROXIMATE AND SHOWN FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL ELEVATIONS PRIOR TO ORDERING THE STRUCTURES.
- KNOCKOUTS FOR PIPES BEING CONNECTED TO THE STORM DRAINAGE CATCH BASINS AND MANHOLES SHALL BE CAST AT THE PRECAST CONCRETE MANUFACTURING PLANT, NOT CUT OR BROKEN IN THE FIELD.
- CONSTRUCTION OF THE PROPOSED STORM DRAINAGE LINE WILL PROCEED FROM DOWNSTREAM AT SOUNDVIEW AVENUE TO UPSTREAM ALONG AVIATION COURT TO FODOR FARM.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE AT PIPE CROSSINGS, EXCEPT AS SPECIFIED ON THESE PLANS. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY ENGINEER.
- TEST PIT LOCATIONS AND RESULTS ARE SHOWN ON THE PLANS.
- ALL DRIVEWAY OPENINGS WITHIN THE PROJECT AREA WILL BE BITUMINOUS CONCRETE RAMPS AS INDICATED ON THE PLANS. WHEN ORDERED BY THE ENGINEER, DRIVEWAYS SHALL BE CUT BACK A MINIMUM OF 2 FEET BEHIND THE EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER IN ORDER TO CREATE POSITIVE DRAINAGE TOWARD THE ROAD.
- TREES 6" OR LARGER IN DIAMETER TO BE REMOVED HAVE BEEN SPECIFICALLY LABELED ON THE SITE LAYOUT PLAN AND WILL BE PAID FOR AS SPECIFIED UNDER ITEM 0201001A - CLEARING AND GRUBBING. TREES LESS THAN 6" IN DIAMETER THAT ARE NOT SPECIFICALLY LABELED ON THE PLANS, BUT ARE WITHIN THE PROJECT EXCAVATION LIMITS SHALL BE REMOVED AS SPECIFIED UNDER, AND WILL BE PAID FOR UNDER ITEM 0201001A - CLEARING AND GRUBBING. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ANY OF THE EXISTING TREES OR SHRUBS THAT ARE TO REMAIN. ANY DAMAGE THROUGH CARELESSNESS OF THE CONTRACTOR SHALL RESULT IN THE CONTRACTOR PROVIDING A REPLACEMENT TREE/SHRUB AS DIRECTED BY THE ENGINEER, AT NO COST TO THE CITY.
- PRIOR TO DIGGING WITHIN 4' OF ANY UTILITY POLE, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY THAT OWNS THE POLE TO SCHEDULE FOR THE SUPPORT OF THE POLE BY THE OWNER UTILITY COMPANY DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH EACH OF THE RESPECTIVE UTILITY COMPANIES AND GIVE THEM AT LEAST THREE WEEKS NOTICE FOR SCHEDULING PURPOSES. IF THE UTILITY COMPANY CHARGES FOR THIS WORK (LABOR AND/OR TRUCK CHARGE) IT WILL BE PAID FOR FROM THE ALLOWANCE UNDER ITEM 1300001A - SUPPORT EXISTING UTILITY POLES. THERE WILL BE NO PAYMENT FROM THE ALLOWANCE IF THE UTILITY COMPANY DOES NOT CHARGE THE CONTRACTOR FOR ITS SERVICES.

UTILITY COMPANY CONTACTS:

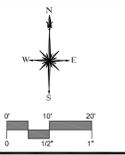
EVERSOURCE - ELECTRIC, JAMES CALABRESE - SENIOR CONSULTANT, TEL: (203) 845-3664

FRONTIER - COMMUNICATIONS, ROBERT SHEPARD - TELECOMMUNICATIONS SPECIALIST, TEL: (203) 383-6626



GENERAL NOTES (CONTINUED)

- THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL VOLTAGES CARRIED IN OVERHEAD OR UNDERGROUND UTILITY SERVICES. THE CONTRACTOR SHALL INDEPENDENTLY DETERMINE WHETHER OR NOT INTERFERENCE EXISTS IN CRITICAL AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE RELOCATION OF UTILITIES AS MAY BE NECESSARY WITH THE OWNER UTILITY COMPANY.
- THE CONTRACTOR SHALL BE AWARE OF THE POTENTIAL FOR INTERFERENCE BETWEEN THE PROPOSED STORM DRAINAGE FACILITIES AND THE EXISTING SANITARY SEWER HOUSE LATERAL CONNECTIONS.
- TOPSOIL, FERTILIZER, SEED AND MULCH SHALL BE APPLIED TO ANY EXISTING GRASS AREAS DISTURBED DURING CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER. THE TOPSOIL SHALL BE SPREAD UNIFORMLY TO A DEPTH OF AT LEAST 6" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TOPSOIL SHALL NOT BE SPREAD WHEN IT IS WET OR FROZEN. THIS WORK SHALL BE PAID FOR UNDER ITEM 0944003A - FURNISHING AND PLACING OF TOPSOIL AND ITEM 0950005A - TURF ESTABLISHMENT (MODIFIED).
- NEW PAVEMENT MARKINGS SHALL BE PAINTED WITH EPOXY RESIN PAINT IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 816 SECTION 12.10 AS REVISED.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH REMAIN THE PROPERTY OF THE CITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIAL, IT SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER, AT NO COST TO THE CITY. ANY DAMAGE TO EXISTING CURBS, SIDEWALKS OR ANY OTHER ROAD APPURTENANCES DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, AT NO COST TO THE CITY.
- ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH DOCUMENTATION INDICATING THE DISPOSAL SITE.
- NO BURNING OF CONSTRUCTION DEBRIS, VEGETATION, ETC. WILL BE ALLOWED.
- IF REQUESTED BY THE ENGINEER, ANY CATCH BASIN FRAMES AND GRATES AS WELL AS MANHOLE FRAMES AND GRATES THAT CAN BE USED AGAIN ELSEWHERE IN THE CITY SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORK HIGHWAY GARAGE AT 15 SOUTH SMITH STREET. IF THE ENGINEER DOES NOT CONSIDER THESE ITEMS TO BE SALVAGEABLE, THEN THE CONTRACTOR SHALL REMOVE THEM FROM THE SITE AND DISPOSE OF THEM IN A LEGAL MANNER. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. THE COST IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE CATCH BASINS AS WELL AS THE STORM DRAINAGE JUNCTION STRUCTURES AND MANHOLES.
- ALL STORM SEWER PIPES SHALL BE HIGH DENSITY POLYETHYLENE AND DUCTILE IRON PIPE UNLESS SPECIFIED OTHERWISE, AS PER THE SPECIFICATIONS.



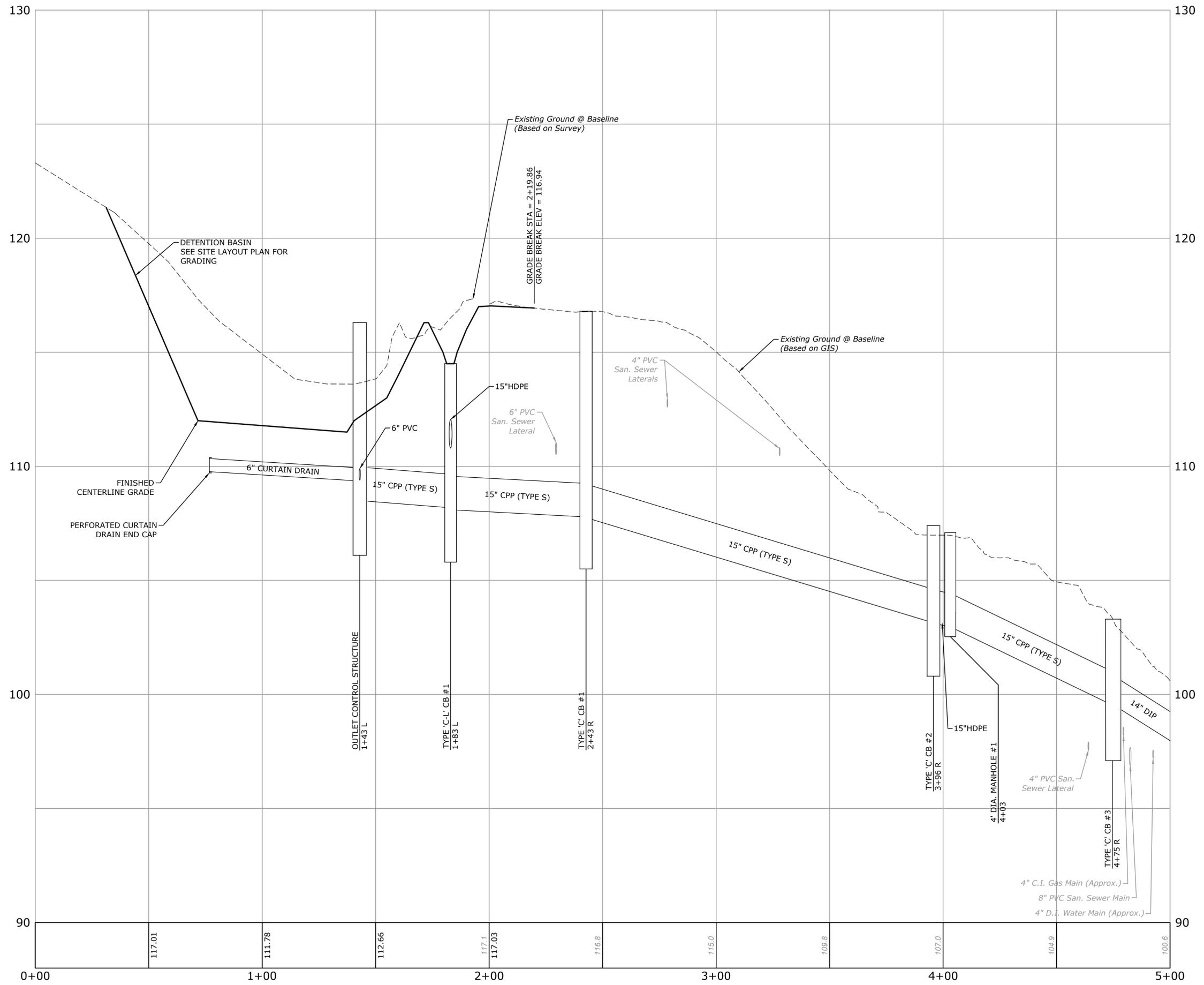
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DESCRIPTION	DATE	BY

BASELINE LAYOUT PLAN & GENERAL NOTES
FODOR FARM DRAINAGE IMPROVEMENTS
 FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
 NORWALK, CONNECTICUT

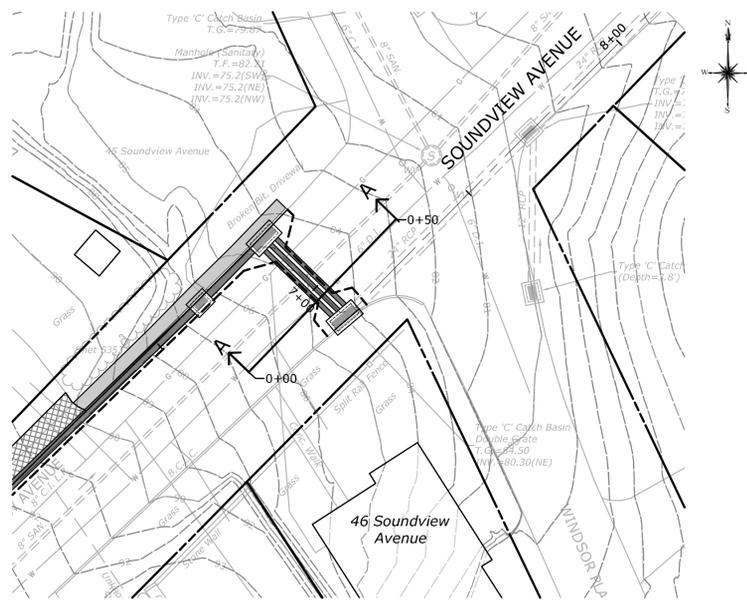
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DATE: JULY 8, 2016		
PROJECT NO.: 1383-42		
DRAWING NO.: BLP-1		

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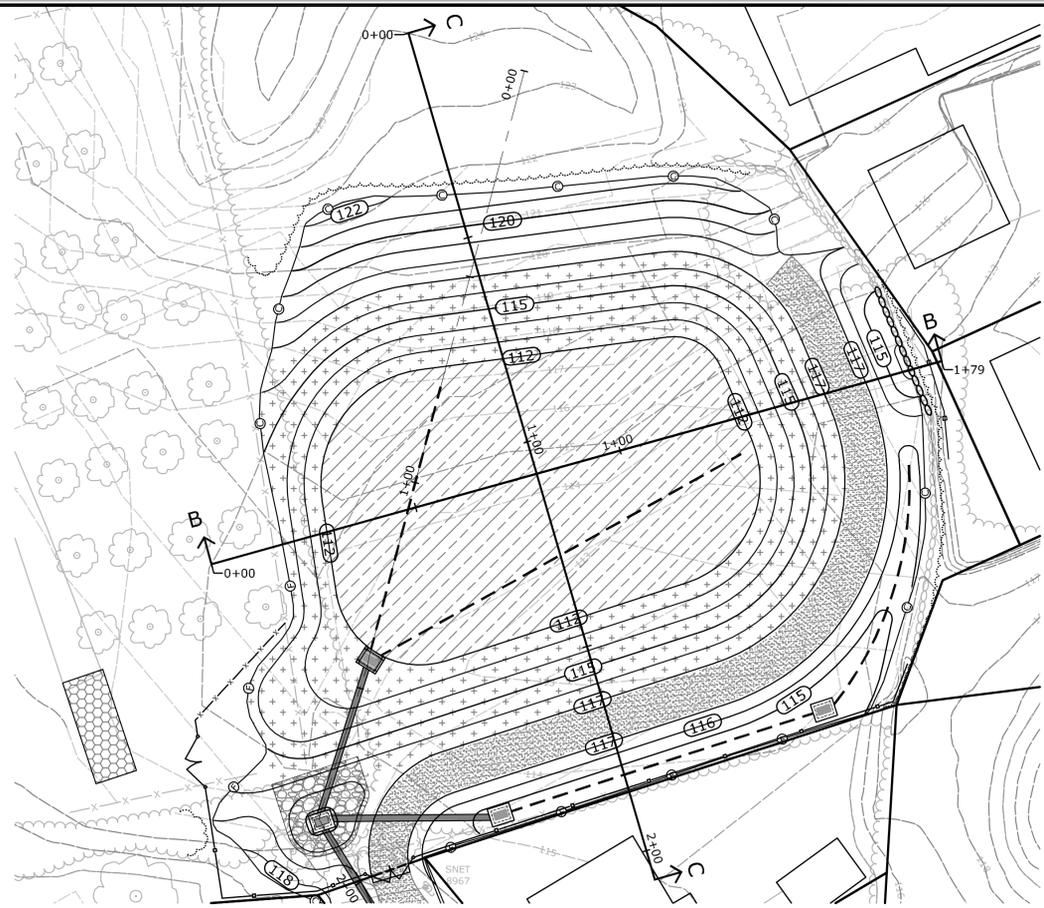


- NOTES:**
1. THERE SHALL BE NOT SEPARATE PAYMENT FOR SUPPORT OF EXISTING UTILITIES. THE COST FOR STORM DRAINAGE INSTALLATIONS SHALL BE INCLUDED IN THE APPROPRIATE "TRENCH EXCAVATION" ITEM.
 2. RELOCATION OF EXISTING UTILITIES FOR STORM DRAINAGE INSTALLATIONS SHALL BE PAID FOR UNDER "RELOCATION OF EXISTING UTILITIES".

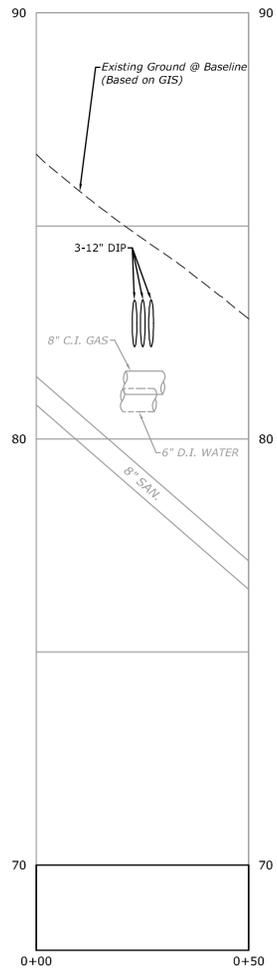
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DESCRIPTION	DATE	BY
SITE PROFILES		
FODOR FARM DRAINAGE IMPROVEMENTS		
FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE NORWALK, CONNECTICUT		
DESIGNED	DRAWN	CHECKED
JDM	TDS	AAC
HOR. 1"=20' VERT. 1"=2'		
SCALE		
DATE JUNE 2016		
PROJECT NO. 1383-42		
DRAWING NO. PRO-1		
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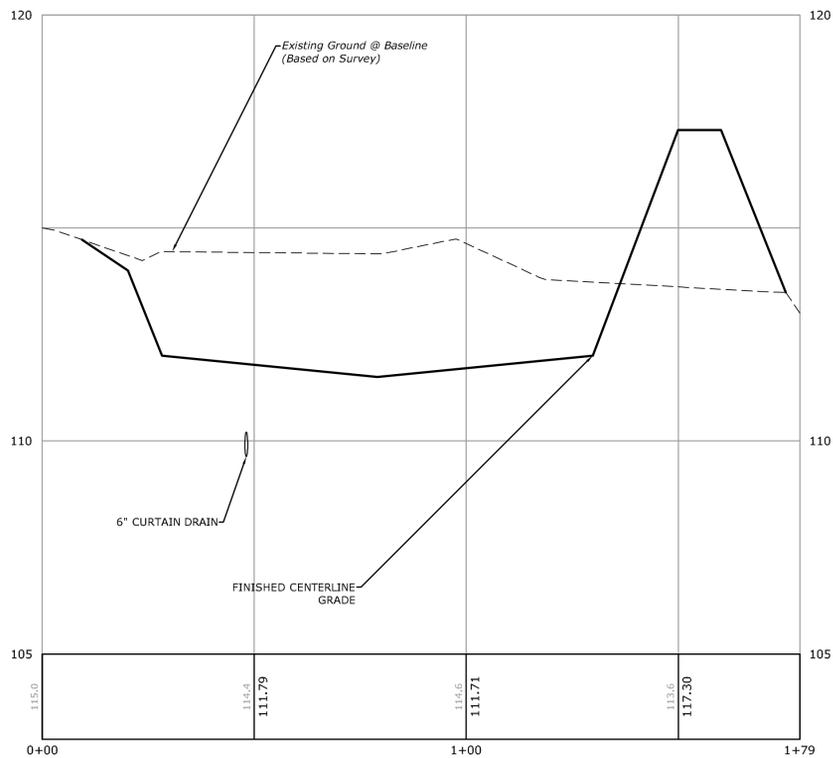
PLAN VIEW - 12" DIP CROSSING



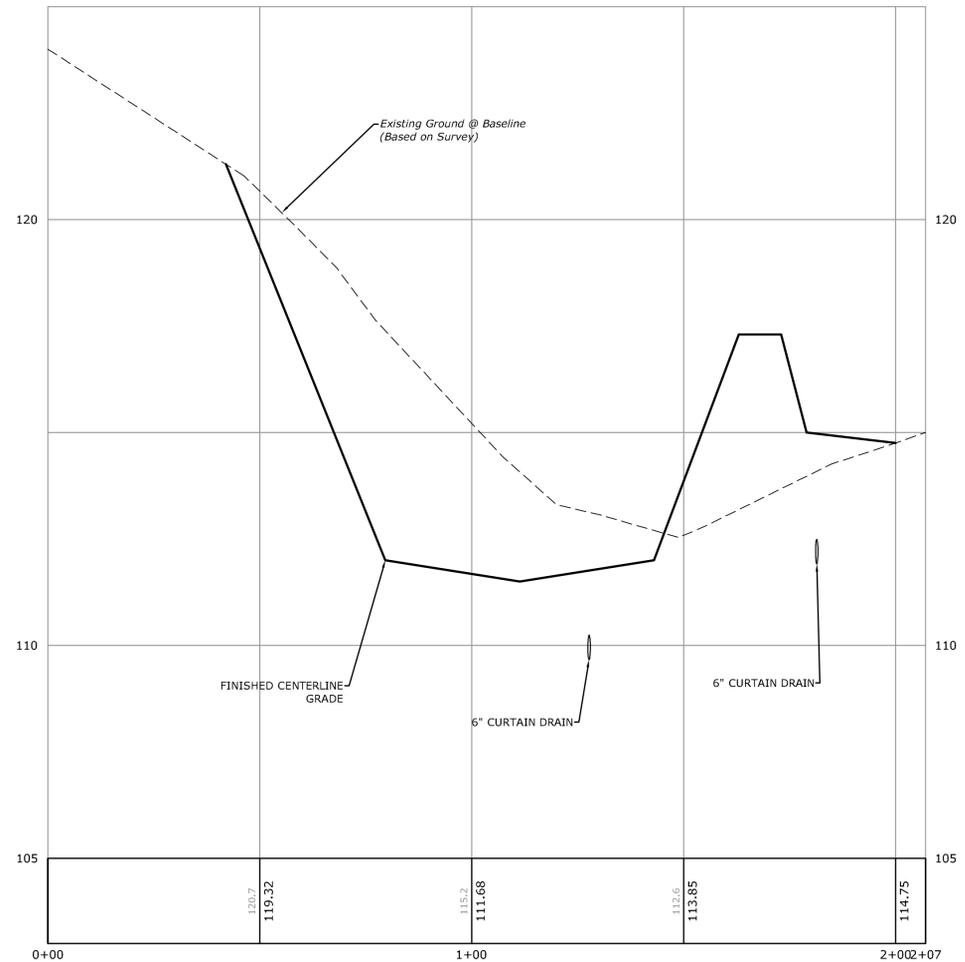
PLAN VIEW - DETENTION BASIN



CROSS SECTION A-A



CROSS SECTION B-B



CROSS SECTION C-C

DESCRIPTION	DATE	BY

CROSS SECTIONS
FODOR FARM DRAINAGE IMPROVEMENTS
 FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
 NORWALK, CONNECTICUT

JDM DESIGNED	TDS DRAWN	AAC CHECKED
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VERT. 1"= 2'		
SCALE		
DATE JULY 8, 2016		
PROJECT NO. 1383-42		
DRAWING NO. XSC-1		

06
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FORMATION OF EMBANKMENT FOR STORMWATER BASINS

FILL MATERIAL SHALL CONTAIN NO FROZEN MATERIAL, SOD, BRUSH, ROOTS, OR OTHER ORGANIC MATERIAL. EARTH EMBANKMENTS SHALL CONTAIN NO STONES OR ROCK PARTICLES OVER THREE INCHES IN DIAMETER.

THE MATERIAL USED IN THE CENTER PORTION OF THE EMBANKMENT SHALL BE THE MOST IMPERVIOUS MATERIAL OBTAINED FROM THE BORROW AREAS IF REQUIRED. THE MORE PERVIOUS MATERIALS SHALL BE USED IN THE OUTER PORTION OF THE EMBANKMENT AS SHOWN ON THE PLANS.

1. IMPERVIOUS FILL MATERIALS

IMPERVIOUS FILL SHALL BE A GLACIAL TILL, AND TO BE PROVIDED FROM AN OFFSITE SOURCE IN THE QUANTITIES REQUIRED FOR COMPLETION. FILL TO BE APPROVED BY THE ENGINEER. GLACIAL TILL SHALL CONSIST OF HARD AND DURABLE PARTICLES OR FRAGMENTS AND SHALL BE FREE FROM ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIALS. GLACIAL TILL SHALL GENERALLY CONFORM TO THE FOLLOWING GRADATION LIMITS:

U.S. STANDARD PASSING SIEVE SIZE	PERCENTAGE BY WEIGHT
3 INCH	100
NO. 4	60-95
NO. 10	50-95
NO. 40	30-75
NO. 100	20-65
NO. 200	10-40

2. EMBANKMENT FOUNDATION PREPARATION

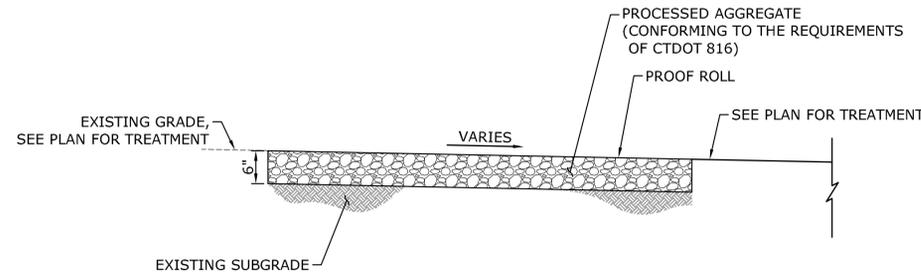
AREAS WHERE EMBANKMENTS ARE TO BE FORMED SHALL BE CLEARED AND GRUBBED OF ALL TOPSOIL AND OTHER ORGANIC MATERIALS TO A DEPTH OF AT LEAST 24 INCHES. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS, FOUNDATION AREAS SHALL BE SCARIFIED TO A DEPTH OF THREE INCHES PRIOR TO PLACEMENT OF FILL MATERIAL.

3. COMPACTION

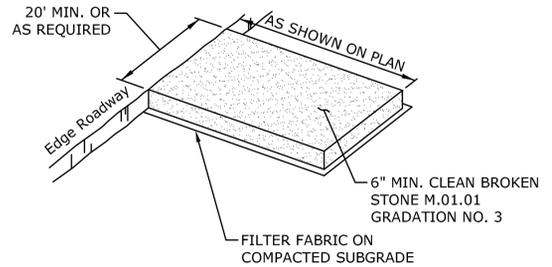
A. EMBANKMENT MATERIAL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY NEAR OPTIMUM MOISTURE CONTENT AND BY THE COMPACTION EQUIPMENT SPECIFIED HEREIN. THE COMPACTION EQUIPMENT SHALL TRAVERSE THE ENTIRE SURFACE OF EACH LAYER OF FILL MATERIAL.

APPROVED TAMPING ROLLERS SHALL BE USED FOR COMPACTING ALL PARTS OF THE EMBANKMENTS WHICH THEY CAN EFFECTIVELY REACH. THE CONTRACTOR SHALL DEMONSTRATE THE EFFECTIVENESS OF THE ROLLER BY ACTUAL SOIL COMPACTION RESULTS OF THE SOIL TO BE USED IN THE EMBANKMENT WITH LABORATORY WORK PERFORMED BY AN APPROVED SOIL TESTING LABORATORY.

B. AT OUTLET CONDUIT, BACKFILL SHALL BE COMPACTED BY HAND TAMPING WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN TWO FEET OF ANY STRUCTURE. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE OUTLET CONDUITS UNTIL THERE IS 24 INCHES OF FILL OVER THE PIPE CONDUITS.

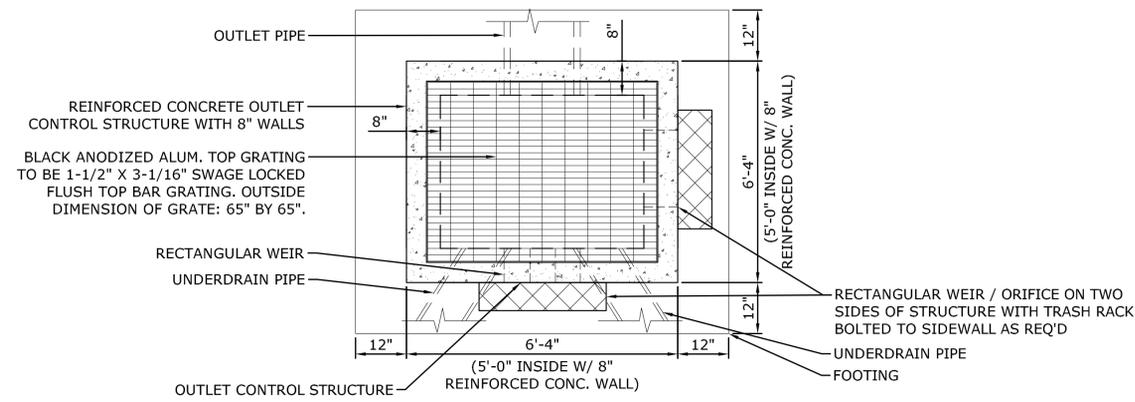


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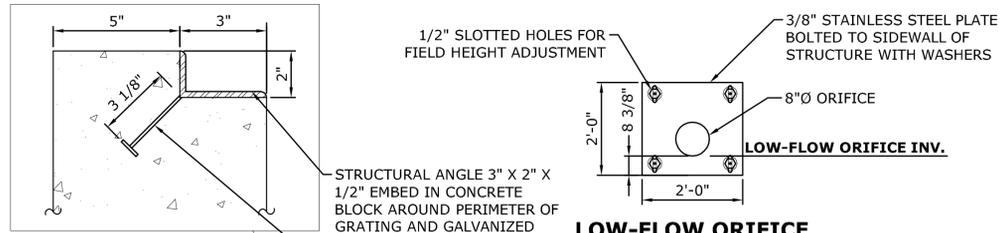


NOTE
PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD.

ANTI-TRACKING PAD

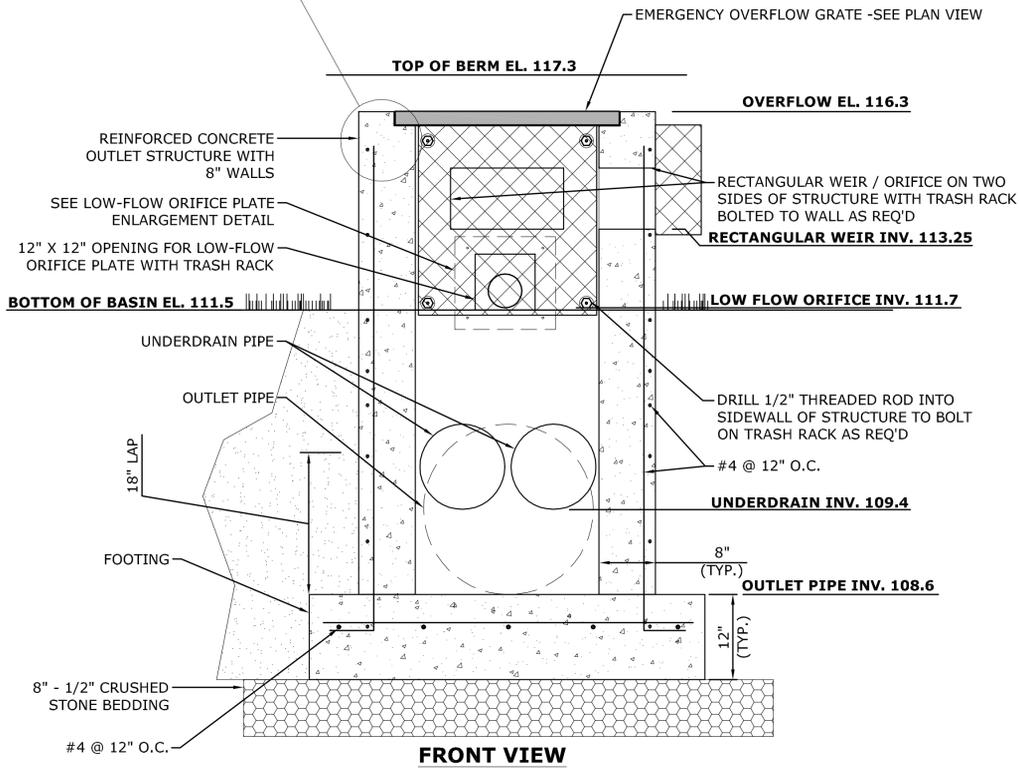


PLAN VIEW



LOW-FLOW ORIFICE PLATE DETAIL

NOTCH DETAIL



FRONT VIEW

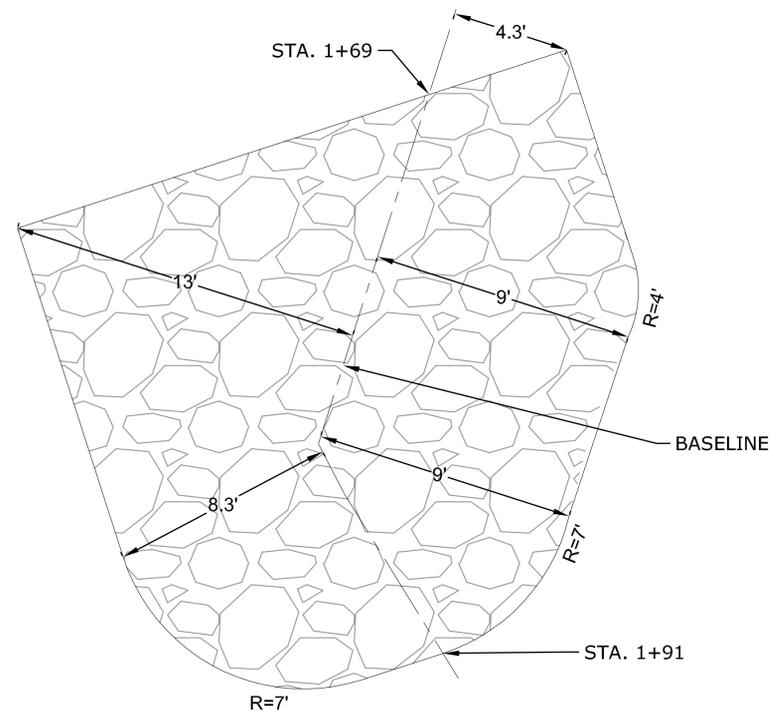
DETENTION BASIN PROPOSED ELEVATIONS

TOP OF BERM ELEVATION	117.3
OVERFLOW ELEVATION	116.3
RECT. WEIR / ORIFICE (IN. X IN.)	36" X 12"
RECT. WEIR / ORIFICE INV.	113.25
LOW FLOW ORIFICE DIA. (IN)	8"
LOW FLOW ORIFICE INV.	111.7
OUTLET PIPE DIA. (IN)	15"
OUTLET PIPE INVERT	108.6
PERFORATED UNDERDRAIN DIA.	6"
PERFORATED UNDERDRAIN INVERT	109.4
25-YEAR WATER ELEVATION	114.1
BOTTOM OF BASIN	111.5

NOTES

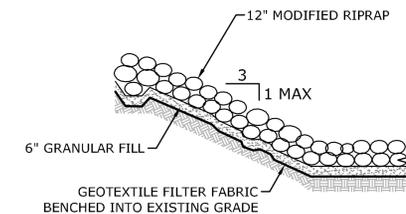
- STEEL REINFORCEMENT: ASTM HS20-44; GRADE 60 1" MIN. COVER.
- CONCRETE MINIMUM STRENGTH: 5,000 PSI @ 28 DAYS
- MAXIMUM HEIGHT OF EACH ADDITIONAL PIECE = 4'-0"
- TOP AND SIDE WALL OPENINGS AS SPECIFIED.
- TRASH RACK SHALL BE PREFABRICATED HDPE FLAT ROOF GRATE. GRID OPENING TO BE BETWEEN 4 INCHES AND 6 INCHES SQUARE, EACH WEB WIDTH A MINIMUM OF 1 1/2 INCH. ALL METAL STIFFENERS MUST BE MADE FROM 316 STAINLESS STEEL TO PREVENT CORROSION. ATTACH TO OUTLET CONTROL STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS.
- ALL FASTENERS TO BE COATED AS TO PREVENT CORROSION.

OUTLET CONTROL STRUCTURE
NOT TO SCALE



PLAN

MODIFIED RIPRAP OVER FLOW SPILLWAY AND SPLASH PAD
NOT TO SCALE



ELEVATION

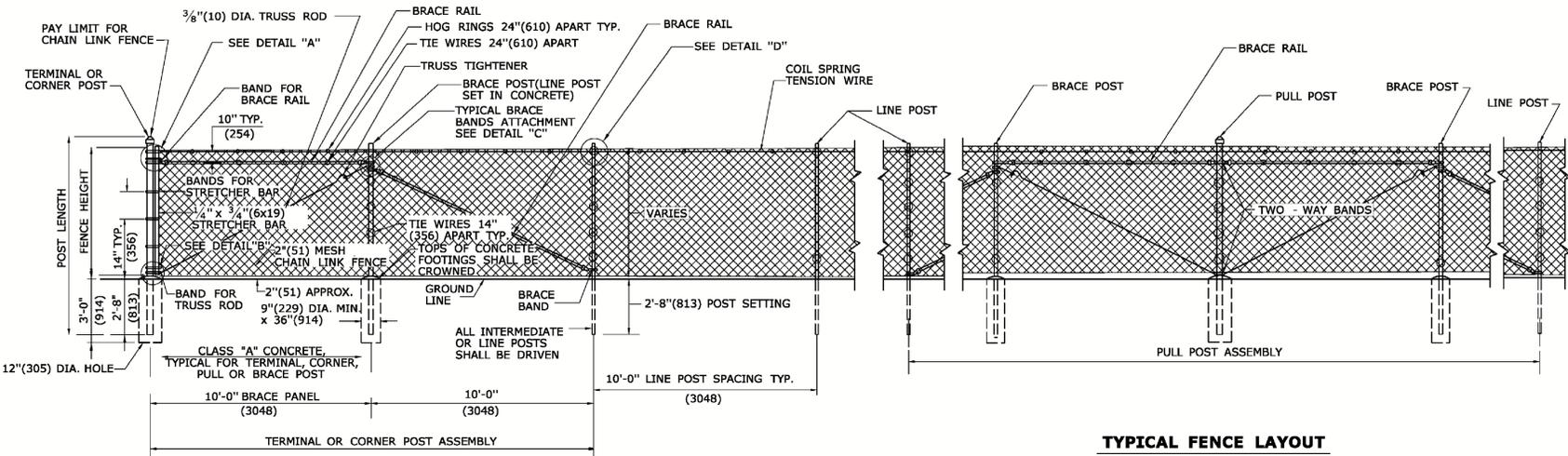
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DATE	BY	DESCRIPTION

MISCELLANEOUS DETAILS
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FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
NORWALK, CONNECTICUT

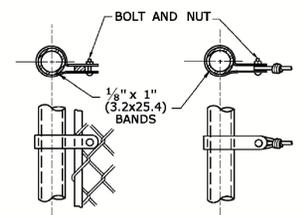
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DRAWING NO. MDS-1		

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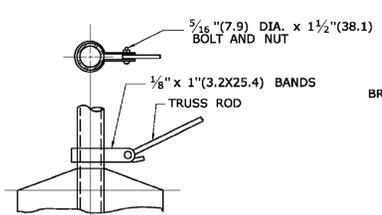


- GENERAL NOTES:**
- REFER TO SPECIFICATIONS FOR LOCATION OF PULL POST ASSEMBLIES.
 - ALL SQUARE AND ROUND POSTS WILL BE CAPPED TO PREVENT WATER FROM ENTERING.
 - WHERE ROCK IS ENCOUNTERED, IT SHALL BE DRILLED AND THE POSTS SET IN CONCRETE OR MORTAR.
 - FENCE SHALL BE PLACED WITH FABRIC FACING OUTSIDE HIGHWAY RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
 - FENCE SHALL BE BLACK VINYL COATED

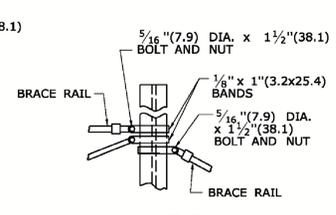
ROUND PIPE TERMINAL CORNER OR PULL POST



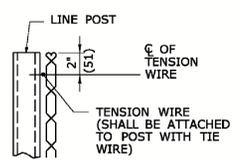
**DETAIL "A"
STRETCHER BAR AND TENSION
WIRE ATTACHMENTS**



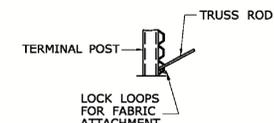
**DETAIL "B"
TRUSS ROD ATTACHMENT**



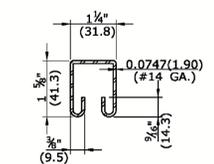
**DETAIL "C"
ATTACHMENT OF BRACE RAILS
TO LINE POSTS (TYPICAL)**



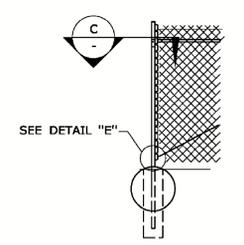
**DETAIL "D"
LOCATION OF
TENSION WIRE**



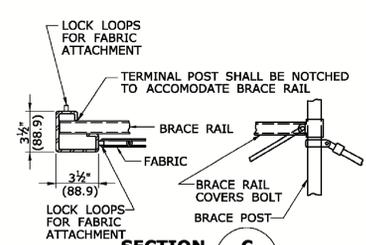
**DETAIL "E"
TRUSS ROD
ATTACHMENT**



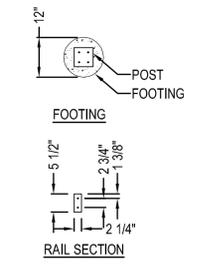
**DETAIL "F"
BRACE RAIL**



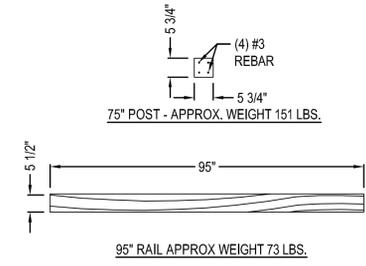
**TERMINAL, CORNER OR
PULL POST**



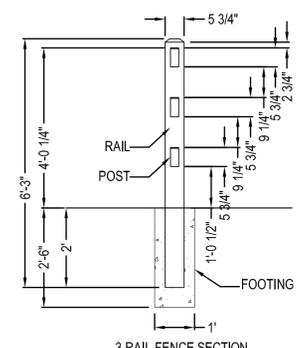
**SECTION C
FABRIC AND BRACE
RAIL ATTACHMENT**



RAIL SECTION



3 RAIL 8 FT. SPACING FENCE ELEVATION



3 RAIL FENCE SECTION

- NOTES:**
- ALL CONCRETE TO BE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - PRIMARY REINFORCEMENT TO BE ASLAN #3 SYNTHETIC REBAR REINFORCEMENT.
 - SECONDARY REINFORCEMENT TO BE MICROFIBER REINFORCEMENT.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.
 - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
 - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 4891-041.

		FENCE HEIGHT				
		6'(1.8m) OR LESS		GREATER THAN 6'(1.8m)		
LINE BRACE OR INTERMEDIATE POST	TYPE	MATERIAL	DIMENSIONS INCHES(mm)	WEIGHT LBS/FT(kg/m)	DIMENSIONS INCHES(mm)	WEIGHT LBS/FT(kg/m)
	PIPE	"C"	STEEL	1.87 X 1.62 (47.5x41.1)	2.40(3.57)	2.25 X 1.70(57.2x43.2)
STEEL CLASS 1		STEEL CLASS 1	1.90(48.3) O.D.	2.72(4.05)	2.37(60.2) O.D.	3.65(5.43)
		STEEL CLASS 2		2.28(3.39)		3.12(4.64)
ALUM. ALLOY	STEEL CLASS 1	STEEL CLASS 1	1.62 X 1.25 (41.1x31.75)	1.35(2.01)	1.66(42.2) O.D.	2.27(3.38)
		STEEL CLASS 2		1.68(2.50)		2.27(3.38)
	ALUM. ALLOY		1.34(1.99)		1.84(2.74)	
PIPE	STEEL CLASS 1	STEEL CLASS 1	1.62(41.1) O.D.	0.78(1.16)	1.62(41.1) O.D.	0.78(1.16)
		STEEL CLASS 2		0.78(1.16)		0.78(1.16)
	ALUM. ALLOY		1.62(41.1) O.D.	0.78(1.16)	1.62(41.1) O.D.	0.78(1.16)
TERMINAL CORNER OR PULL POST	PIPE	STEEL CLASS 1	2.37(60.2) O.D.	3.65(5.43)	2.87(72.9) O.D.	5.79(8.62)
		STEEL CLASS 2		3.12(4.64)		4.64(6.91)
	ALUM. ALLOY		1.25(1.86)		2.00(2.98)	

NOTE: A MINUS TOLERANCE OF 5% IN SIZE AND WEIGHT SHALL BE ALLOWED FOR THESE MEMBERS, BUT WILL NOT APPLY TO THE ZINC OR POLYVINYL CHLORINE COATING. * DIMENSIONS AND WEIGHT ARE FOR A FENCE HEIGHT OF 9'(2.7m) OR LESS.

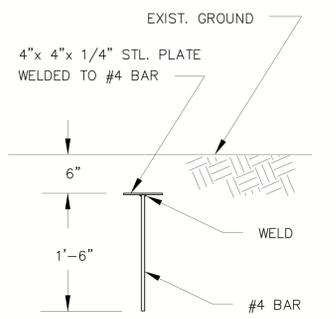
MINIMUM DIMENSIONS AND WEIGHTS FOR POSTS AND RAILS

SPLIT RAIL FENCES

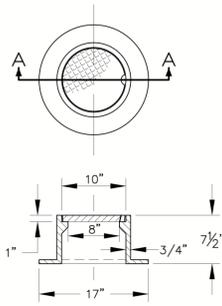
FENCE - 3 RAIL, 8 FT.

DESCRIPTION	DATE	BY

JDM	TDS	AAC
DESIGNED	DRAWN	CHECKED
AS SHOWN		
DATE: JUNE 2016		
PROJECT NO. 1383-42		
DRAWING NO. MDS-2		

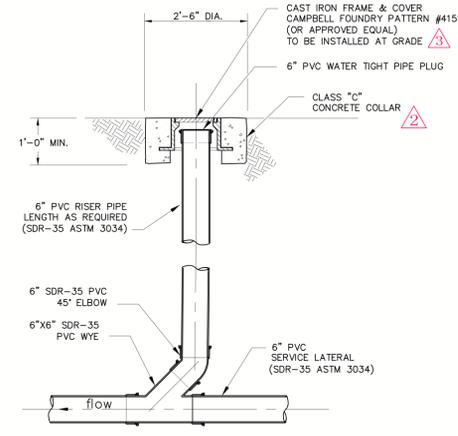


**SERVICE LATERAL MARKER
DETAIL**

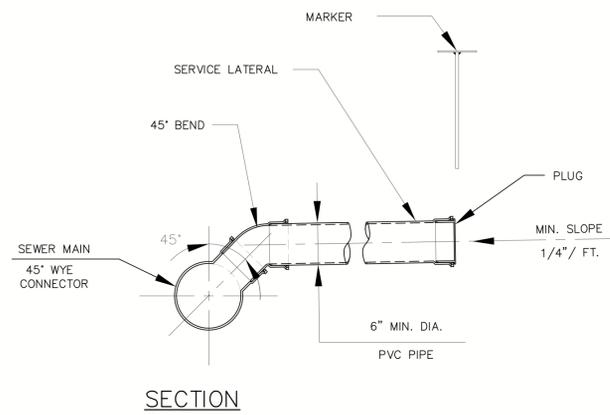


**SECTION A-A
CLEAN OUT FRAME & COVER**
1" = 1'-0"

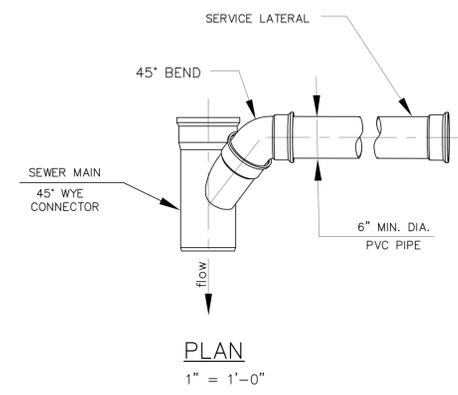
NOTE:
CLEAN OUT FRAMES & COVERS SHALL BE PATTERN #4155 AS MANUFACTURED BY THE "CAMPELL FOUNDRY COMPANY" OF NORTH HAVEN, CONNECTICUT, OR APPROVED EQUAL.



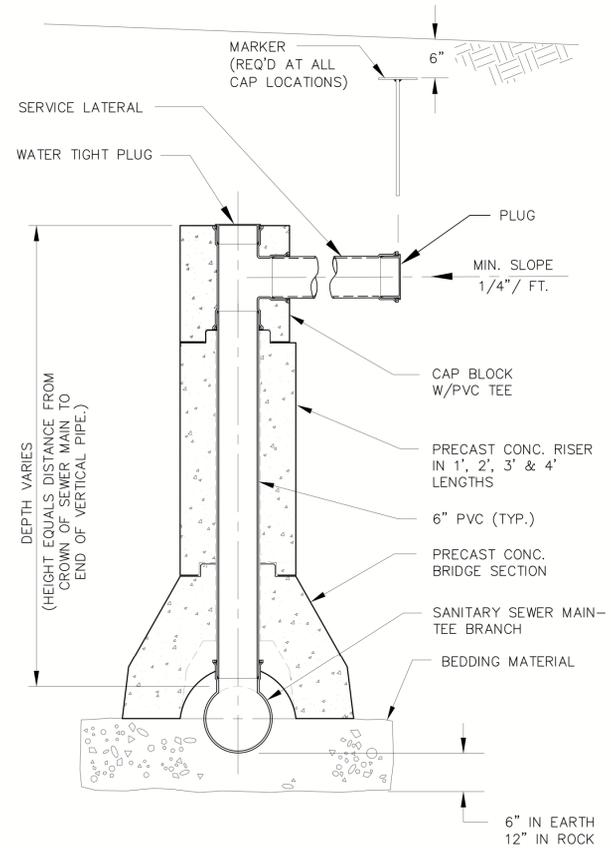
**CLEAN OUT
DETAIL**
NTS



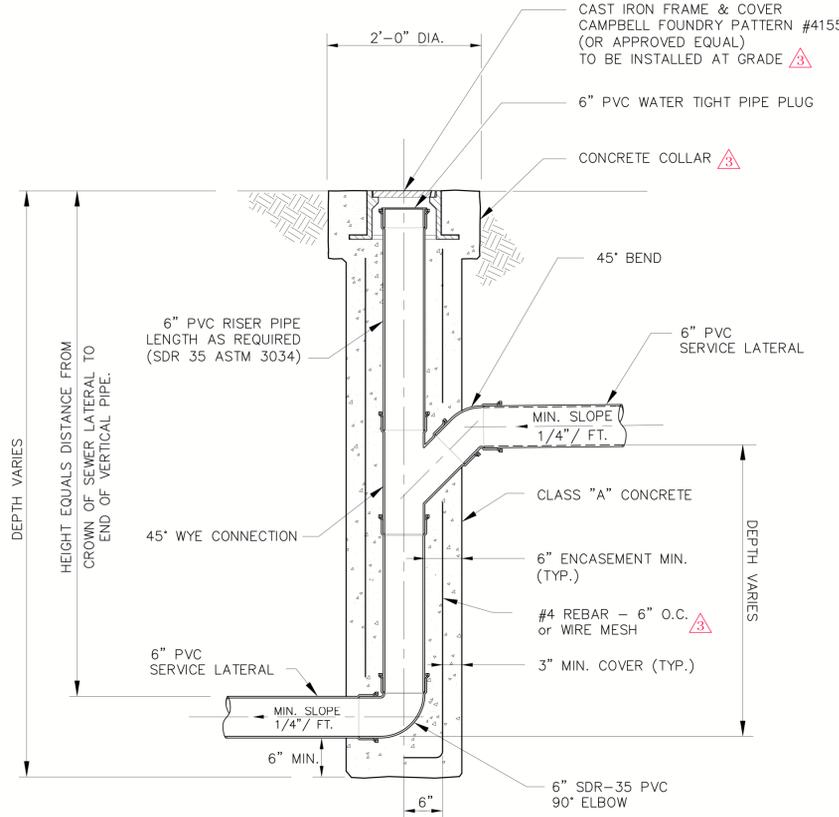
**SECTION
STANDARD SERVICE LATERAL CONNECTION**



**PLAN
1" = 1'-0"**



**PRECAST CONCRETE SERVICE CHIMNEY
DETAIL**
1" = 1'-0"



**DROP CHIMNEY FOR LATERAL
(CAST IN PLACE)
DETAIL**
1" = 1'-0"

NOTE:
FOR CLEAN OUT OR CAST-IN-PLACE DROP CHIMNEY SET BELOW GRADE, NO CONCRETE COLLAR OR CAST IRON FRAME AND COVER ARE NEEDED.

REVISIONS	DATE	BY
1 REDRAWN & REISSUED	2/3/09	fjm
2 ADDED CONC. CLASS TO CLEAN OUT COLLAR	9/16/10	fjm
3 ADDED OR WIRE MESH TO DESC. AND NOTE FOR CLEAN OUT OR CAST-IN-PLACE DROP CHIMNEY	xx/xx/15	fjm

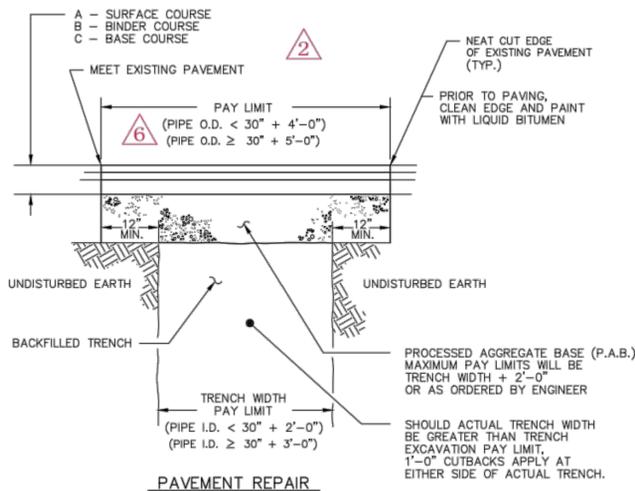
CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS	
SANITARY SEWER LATERAL, MARKER CLEAN OUT & CHIMNEY	
STANDARD DETAILS	
DATE: 2/2009	PROJ. # :
SCALE: NOT TO SCALE	SHEET ____ OF ____

MILONE & MACBROOM
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

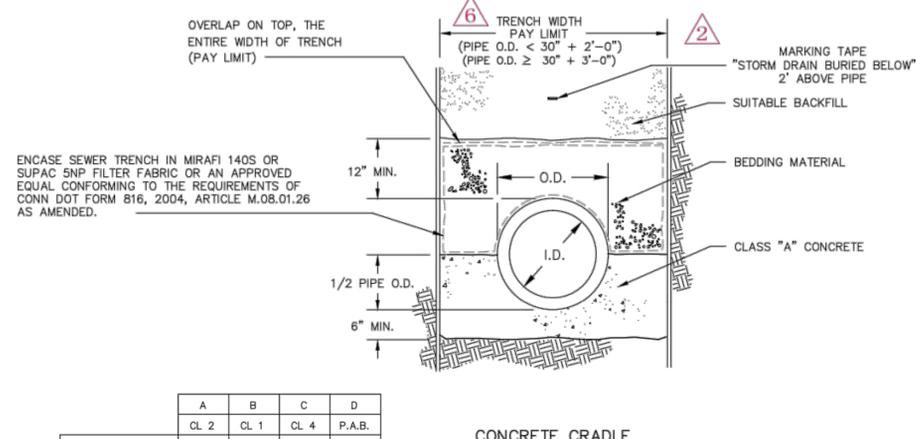
DESCRIPTION	DATE	BY

CITY OF NORWALK DETAILS
FODOR FARM DRAINAGE IMPROVEMENTS
FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
NORWALK, CONNECTICUT

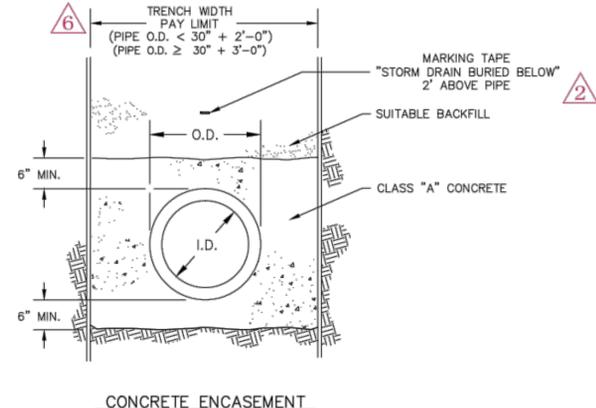
DESIGNED	DRAWN	AAC
		CHECKED
NOT TO SCALE		
JULY 8, 2016		
PROJECT NO. 1383-42		
DRAWING NO. NDS-1		



PAVEMENT REPAIR



CONCRETE CRADLE



CONCRETE ENCASEMENT

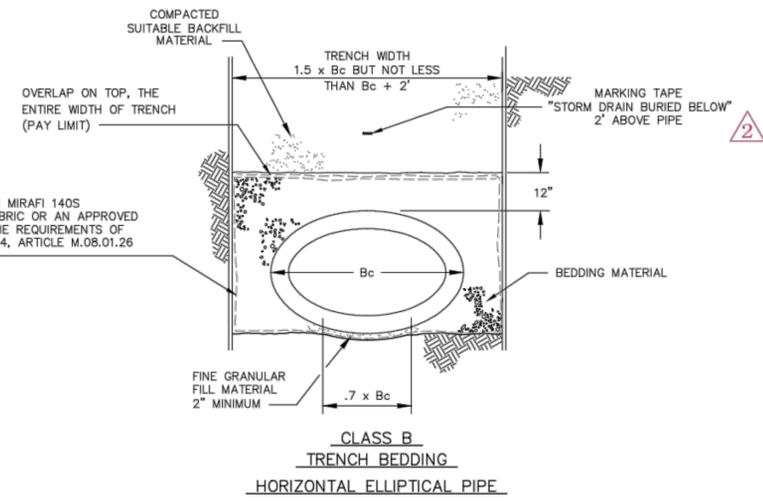
	A	B	C	D
STATE ROAD	CL 2	CL 1	CL 4	P.A.B.
MAJOR ARTERIAL	2"	2"	6"	14"
MINOR ARTERIAL	1 1/2"	2"	3"	12"
COLLECTOR	1 1/2"	1 1/2"	3"	12"
LOCAL	1 1/2"	1 1/2"	—	12"

PAVEMENT REPAIR TABLE (MARSHALL MIX)

4. MAXIMUM ALLOWABLE UNCOMPACTED THICKNESS PER LIFT:
 CLASS 2 - 2" THK.
 CLASS 1 - 2 1/2" THK.
 CLASS 4 - 4" THK.

STATE ROAD	ALLOWABLE UNCOMPACTED THICKNESS PER LIFT					F
	A	B	C	D	E	
STATE ROAD	0.375"(2)	0.50"(2)	1.00"(2)	0.50"(3)	1.00"(3)	P.A.B.
MAJOR ARTERIAL				3"	6"	12"
MINOR ARTERIAL	1.5"	2"	3"	4"	6"	14"
COLLECTOR	1.5"	1.5"	3"			12"
LOCAL	3"					12"

PAVEMENT REPAIR TABLE (SUPERPAVE)

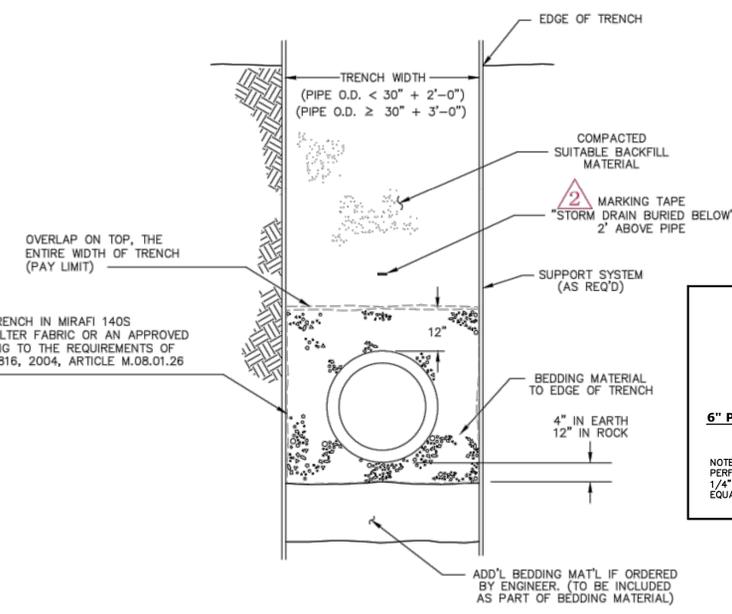


CLASS B TRENCH BEDDING HORIZONTAL ELLIPTICAL PIPE

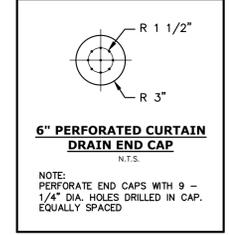
STREET	TRENCH REPAIR		
	TEMPORARY PATCH 3" (CLASS 2)	TEMPORARY PATCH 5" (CLASS 2)	PERMANENT FULL DEPTH PATCH (PER PAVEMENT REPAIR TABLE)
SOUNDVIEW AVENUE	N/A	X (2 - 2 1/2" LIFTS)	X
AVIATION COURT	X	N/A	N/A

- NOTE:
 1. SOUNDVIEW AVENUE IS CLASSIFIED AS A MINOR ARTERIAL ROAD.
 2. AVIATION COURT IS CLASSIFIED AS A LOCAL ROAD.
 3. TEMPORARY PATCH SHALL INCLUDE PROCESSED AGGREGATE BASE (PAB) PER PAVEMENT REPAIR TABLE. CONTRACTOR SHALL ACCOUNT FOR PAVEMENT THICKNESS OF PERMANENT PAVEMENT REPAIR WHEN INSTALLING PAB FOR TEMPORARY REPAIR ON SOUNDVIEW AVENUE (13 1/2" - PAB)

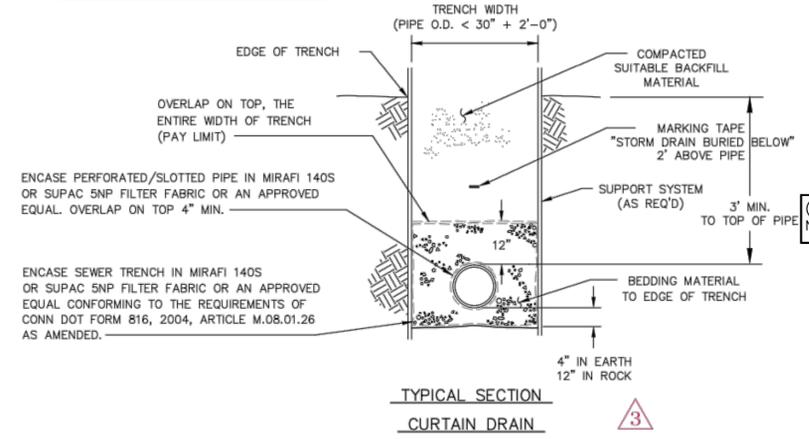
FODOR FARM DRAINAGE PROJECT PAVEMENT RESTORATION SCHEDULE



TYPICAL TRENCH SECTION STORM DRAINS AND CULVERTS

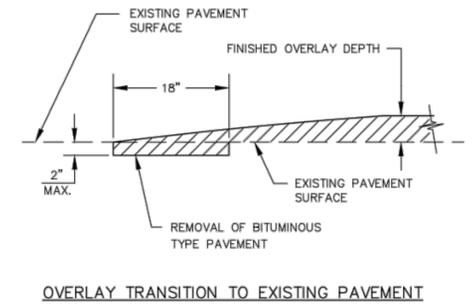


CURTAIN DRAIN SHALL BE 6" PERFORATED H.D.P.E. PIPE WITH SMOOTH INTERIORS (ADS N-12 OR AN APPROVED EQUAL). THE CURTAIN DRAIN PIPE SHALL HAVE A PROTECTIVE COVERING AND THE PERFORATIONS SHALL BE IN ACCORDANCE WITH AASHTO CLASS I PERFORATION PATTERNS.



TYPICAL SECTION CURTAIN DRAIN

NOTE:
 MAXIMUM PAY WIDTH FOR BEDDING MATERIAL & TRENCH EXCAVATION IS I.D. + 2'-0" FOR I.D. LESS THAN 30", I.D. + 3'-0" FOR EQUAL TO OR GREATER 30".



OVERLAY TRANSITION TO EXISTING PAVEMENT

REVISIONS	DATE	BY
1 REDRAWN & REISSUED	2/4/09	FJR
2 MODIFIED PAVEMENT REPAIR DESC. & MARKING TAPE LABEL	4/12/10	FJR
3 CURTAIN DRAIN SECTION	9/21/10	FJR
4 ADDED MAX. LIFT THICKNESS NOTE	12/5/11	FJR
5 ADDED SUPERPAVE TABLE	12/5/12	FJR
6 CHANGED PIPE I.D. TO O.D.	8/27/14	FJR

APPROVED BY: HAROLD F. ALVORD	P.E.# 24138	DATE
DIRECTOR OF PUBLIC WORKS		
APPROVED BY: RICHARD P. LINNARTZ	P.E.# 9047	DATE
PRINCIPAL ENGINEER		
DESIGNED BY: COMMITTEE	DRAWN BY: F.J.W.	DATE: 2/2009
CHECKED BY:	CHECKED BY:	PROJ.#:

CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS	
STORM DRAINS	
STANDARD DETAILS	
3	

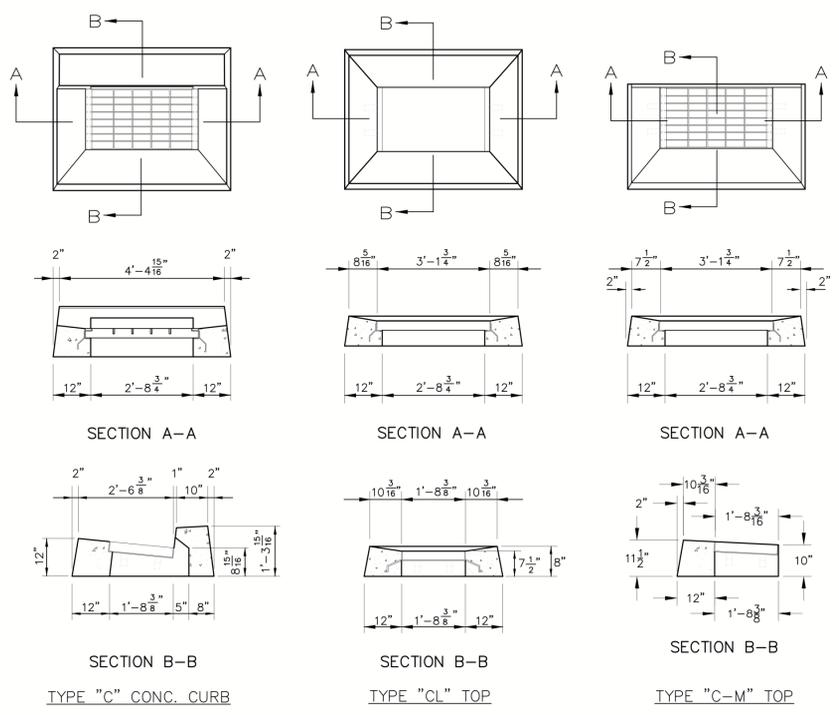
DESCRIPTION	DATE	BY

DESIGNED	DRAWN	AAC
		CHECKED
NOT TO SCALE		
DATE: JULY 8, 2016		
PROJECT NO. 1383-42		
DRAWING NO. NDS-2		



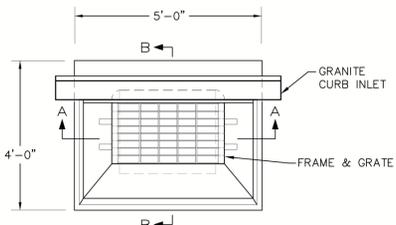
NOTE:
ALL C.B.'S CONSTRUCTED, MODIFIED OR DISTURBED IN ANY FASHION SHALL HAVE "NO DUMPING" CURB MARKER APPLIED TO CATCH BASIN TOP OR CURB NEXT TO C.B. GRATE USING CURB MARKER ADHESIVE PROVIDED BY THE CITY FOLLOWING INSTALLATION DIRECTIONS PROVIDED BY THE MANUFACTURER. THIS IS A NO PAY ITEM TO BE INCLUDED IN C.B. COSTS.

N.T.S.



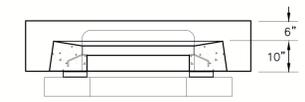
CATCH BASIN TOP DETAILS

NOTE: ALL STEEL GRATES AND FRAMES TO BE GALVANIZED IN CONFORMANCE WITH FORM 816 ARTICLE M.06.03.

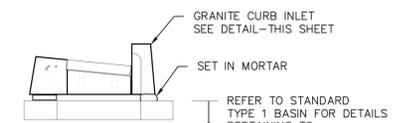


GRANITE CURB CATCH BASIN

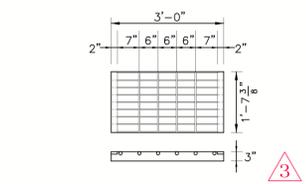
NOTE: TO BE USED IN ALL AREAS WHERE GRANITE CURB IS USED



SECTION A-A

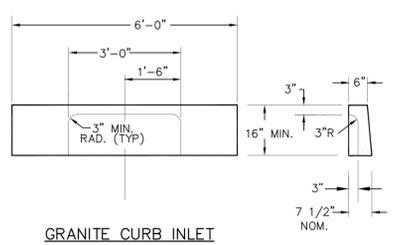


SECTION B-B

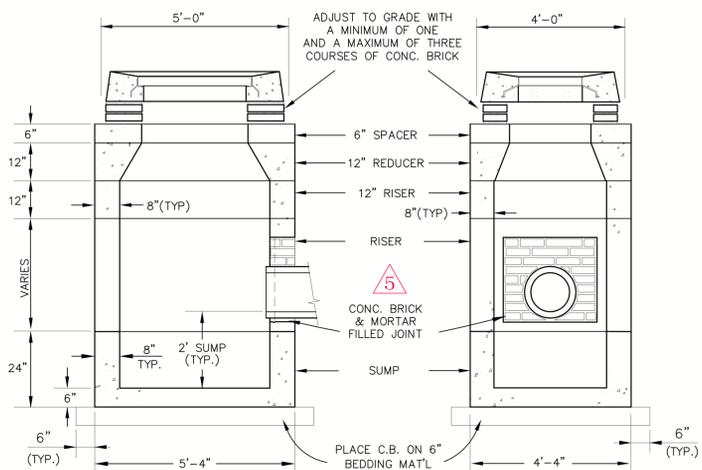


CHD 228D STEEL GRATE

NOTE: USE CATCH BASIN GRATE TYPE 'A' WHERE BICYCLE SAFE TOP IS REQUIRED ON DESIGN PLAN.



GRANITE CURB INLET

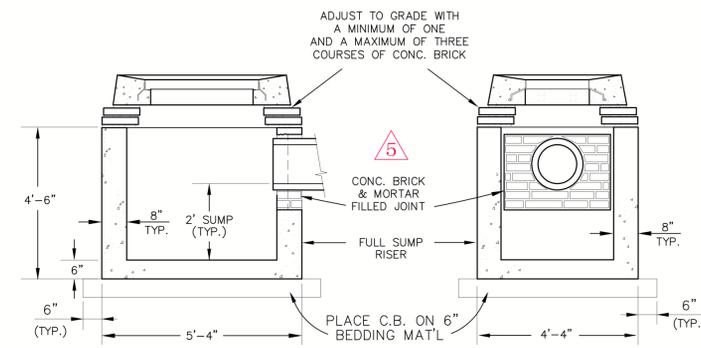


STANDARD CATCH BASIN DETAIL

NOTES: 1. ALL CATCH BASIN COMPONENTS TO BE PRE-CAST REINFORCED CONCRETE, ABLE TO WITHSTAND THE APPLIED EARTH LOADS WITH AN HS-20 TRUCK LOAD. ALL JOINTS ARE TO BE MORTARED. CATCH BASIN SHALL CONFORM TO ASTM C478. 2. KNOCK OUTS ARE TO BE APPLIED ONLY AS REQ'D TO ACCOMMODATE PIPES LOCATED PER PROJECT DESIGN.

NOTE: TYPE "CL" CATCH BASIN TOP SHOWN. SEE CATCH BASIN TOP DETAILS (ABOVE) FOR OTHER CB TOP STYLES.

N.T.S.



SHALLOW CATCH BASIN DETAIL

NOTES: 1. ALL CATCH BASIN COMPONENTS TO BE PRE-CAST REINFORCED CONCRETE, ABLE TO WITHSTAND THE APPLIED EARTH LOADS WITH AN HS-20 TRUCK LOAD. ALL JOINTS ARE TO BE MORTARED. CATCH BASIN SHALL CONFORM TO ASTM C478. 2. KNOCK OUTS ARE TO BE APPLIED ONLY AS REQ'D TO ACCOMMODATE PIPES LOCATED PER PROJECT DESIGN.

NOTE: TYPE "CL" CATCH BASIN TOP SHOWN. SEE CATCH BASIN TOP DETAILS (ABOVE) FOR OTHER CB TOP STYLES.

N.T.S.

CATCH BASIN FILTER INSERT NOTES

- USE FILTER INSERTS WHERE SHOWN ON DESIGN PLANS OR AS REQUIRED BY D.P.W. ENGINEERING. FILTER USED SHALL BE FROM D.P.W. APPROVED SUPPLIERS LIST: "ULTRA-URBAN FILTER W/SMART SPONGE FILTER MEDIA" - ABTECH INDUSTRIES, SCOTTSDALE, AZ, 1-800-543-8999 "TRANSPO ENVIROSAFE MODULAR STORMWATER CATCH BASIN FILTER" - TRANSPO INDUSTRIES, NEW ROCHELLE, NY, 1-914-636-1000 OR OTHER APPROVED FILTER.
- ALLOW 24" MINIMUM CLEARANCE BETWEEN BOTTOM OF GRATE AND TOP OF PIPE INLET OR OUTLET.
- INSTALL AND MAINTAIN ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

REVISIONS	DATE	BY
1 REDRAWN & REISSUED	4/28/09	fjh
2 REV FILTER INSERT NOTE	8/13/09	fjh
3 MODIFIED CATCH BASIN GRATE	1/25/11	fjh
4 NEW CURB MARKER & NOTE	12/7/11	fjh
5 MOD. CATCH BASIN WALL THICKNESS, DESC. & KNOCKOUT NOTE	12/6/12	fjh

APPROVED BY: HAROLD F. ALVORD	P.E.# 24138	DATE
DIRECTOR OF PUBLIC WORKS		
APPROVED BY: RICHARD P. LINNARTZ	P.E.# 9047	DATE
PRINCIPAL ENGINEER OF DESIGN		
DESIGNED BY: COMMITTEE	DRAWN BY: F.J.W.	CHECKED BY:

CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS	
TYPE "C" TYPE "CL" TYPE "C-M" CATCH BASIN TOPS	
"NO DUMPING" DETAIL	
STANDARD CATCH BASIN	5
SHALLOW CATCH BASIN	
DATE: 4/2009	PROJ #:
SCALE: AS NOTED	SHEET ___ OF ___

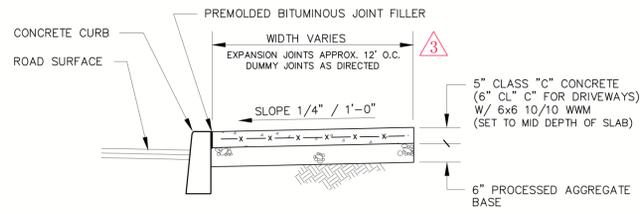
MILONE & MACBROOM
99 Realty Drive
Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

DESCRIPTION	DATE	BY

CITY OF NORWALK DETAILS
FODOR FARM DRAINAGE IMPROVEMENTS
FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
NORWALK, CONNECTICUT

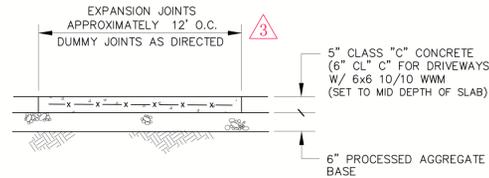
DESIGNED	DRAWN	AAC
NOT TO SCALE		
DATE: JULY 8, 2016		
PROJECT NO. 1383-42		
DRAWING NO. NDS-4		

PROJECT: 1383-42, Storm Drain Improvements at Fodor Farm, Section 211, Soundview Ave. & Aviation Court, Norwalk, Conn. 06850
DATE: 12/12/12 9:55:00 AM

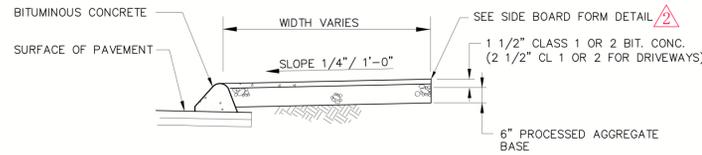


CROSS SECTION

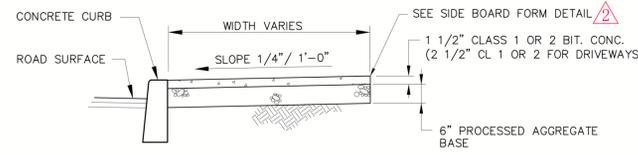
**CONCRETE SIDEWALK
(CONCRETE DRIVEWAY)**
 N.T.S.



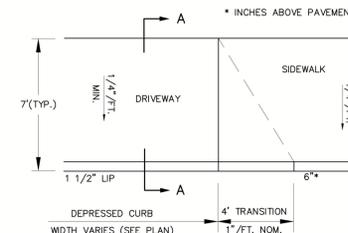
LONGITUDINAL SECTION



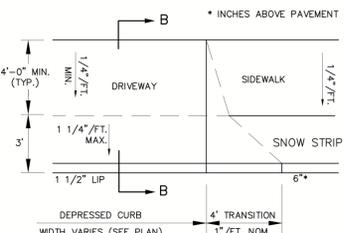
**BITUMINOUS CONCRETE SIDEWALK/DRIVEWAY
 BITUMINOUS CONC. LIP CURBING**
 N.T.S.



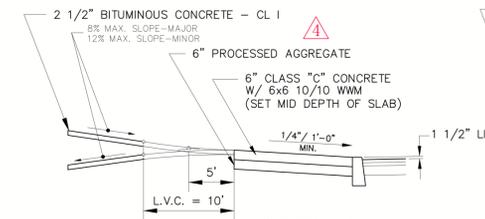
**BITUMINOUS CONCRETE SIDEWALK/DRIVEWAY
 CONC. CURBING**
 N.T.S.



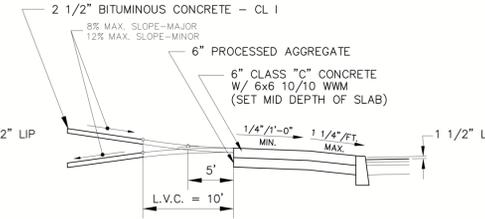
PLAN



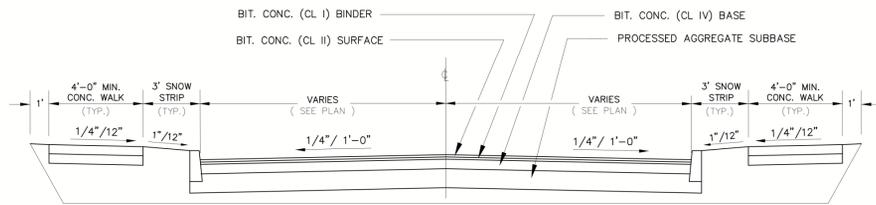
PLAN



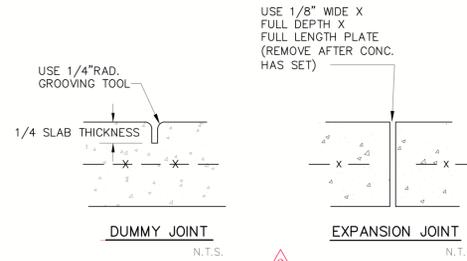
**CONCRETE APRON
 W/ CONC. CURBING**
 N.T.S.



**CONCRETE APRON
 W/ CONC. CURBING**
 N.T.S.

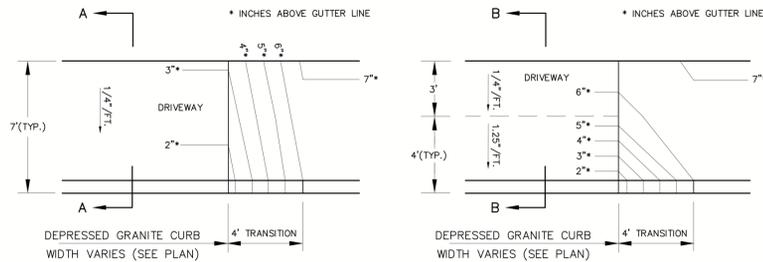


**TYPICAL ROADWAY SECTION
 (WHERE SNOW STRIP INCLUDED)**
 N.T.S.



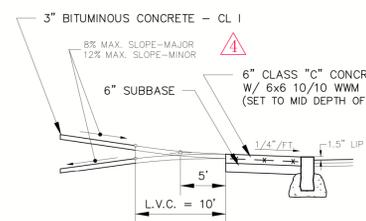
DUMMY JOINT

EXPANSION JOINT



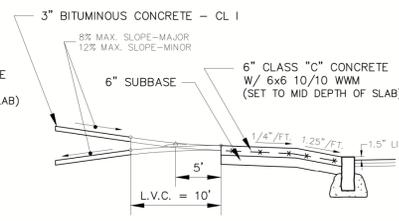
PLAN

PLAN

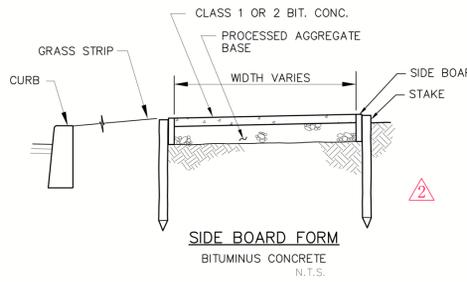


**CONCRETE DRIVEWAY RAMP
 W/ GRANITE CURB**
 N.T.S.

**CONCRETE DRIVEWAY RAMP
 W/ GRANITE CURB**
 (TYPE 'A' OR 'B' TO SUIT FIELD CONDITIONS)
 N.T.S.



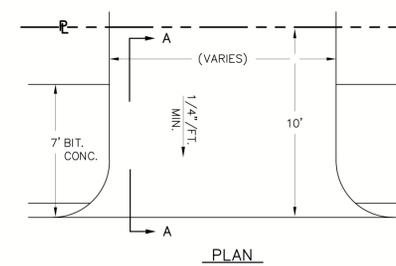
**CONCRETE DRIVEWAY RAMP
 W/ GRANITE CURB**
 N.T.S.



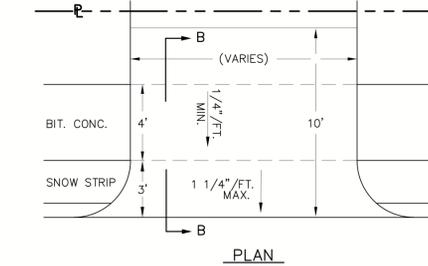
SIDE BOARD FORM
 BITUMINOUS CONCRETE
 N.T.S.

GENERAL NOTES FOR SIDEWALK RAMPS

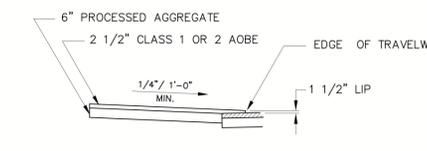
1. IF "X" IS LESS THAN 48" THEN THE SLOPE OF THE FLARED SIDE SHALL NOT EXCEED 12:1. "X" SHALL NOT BE LESS THAN 36".
2. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 20:1.
3. SIDEWALK RAMPS SHALL BE CONSTRUCTED AND PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK", EXCEPT THAT THE FINAL TEXTURE OF THE RAMP SURFACE SHALL BE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
4. CARE SHOULD BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
5. THE BOTTOM OF THE RAMP SHALL MEET THE GUTTER LINE AT THE CURB FACE.
6. FOR OTHER DETAILS REFER TO CONDOT STANDARD SHEET NO. 921-A.



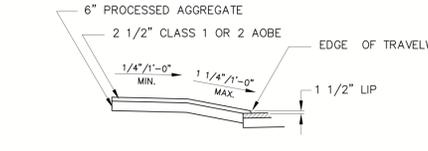
PLAN



PLAN



**CONCRETE APRON
 W/ CONC. CURBING**
 N.T.S.



**CONCRETE APRON
 W/ CONC. CURBING**
 N.T.S.

REVISIONS	DATE	BY
1 REDRAWN & REISSUED	4/13/09	FJW
2 ADDED SIDE BOARD FORM	8/10/09	FJW
3 ADDED CONC. SIDEWALK JOINT DETAILS	10/8/10	FJW
4 REVISED TO MAJOR/MINOR SLOPE	11/4/10	FJW

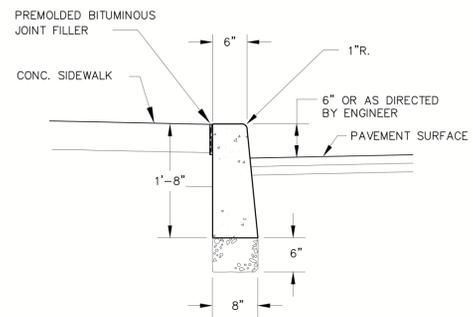
CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS	
DRIVEWAY APRONS CURB RAMPS ROADWAY SECTION & SIDEWALK	
STANDARD DETAILS 7	
APPROVED BY: HAROLD F. ALVORD DIRECTOR OF PUBLIC WORKS	P.E.# 24138 DATE
APPROVED BY: RICHARD P. LINNARTZ PRINCIPAL ENGINEER	P.E.# 9047 DATE
DESIGNED BY: COMMITTEE CHECKED BY:	DRAWN BY: F.J.W. CHECKED BY:
DATE: 4/2009	PROJ. #:
SCALE: AS NOTED	SHEET 31 OF

MILONE & MACBROOM
 99 Ready Drive
 Cheshire, Connecticut 06410
 (203) 271-1773 Fax (203) 272-9733
 www.miloneandmacbroom.com

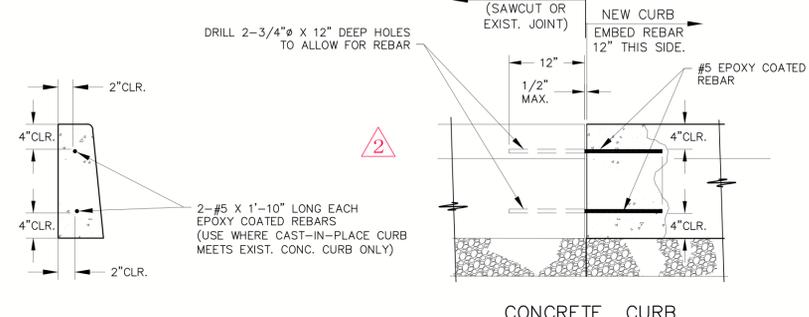
DATE	BY	DESCRIPTION

CITY OF NORWALK DETAILS
FODOR FARM DRAINAGE IMPROVEMENTS
 FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
 NORWALK, CONNECTICUT

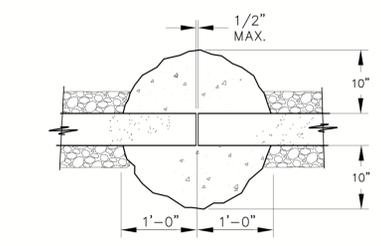
DESIGNED	DRAWN	AAC
		CHECKED
NOT TO SCALE		
JULY 8, 2016		
PROJECT NO. 1383-42		
DRAWING NO. NDS-6		
SHEET NO. 14		



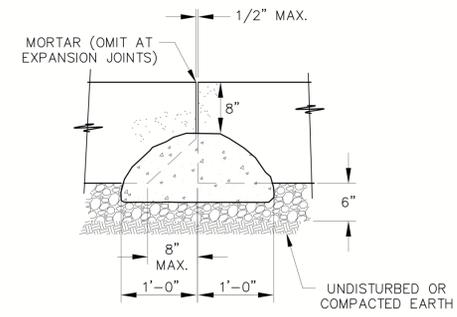
4 CAST-IN-PLACE CONCRETE CURB
EXPANSION JOINTS @ APPROX. 12'-0" O.C. (TYP.)



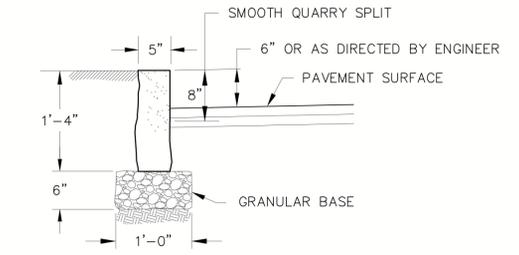
2 CONCRETE CURB
USE REBAR WHERE CAST-IN-PLACE CURB MEETS EXISTING CURB AT SAWCUT OR EXIST. JOINT



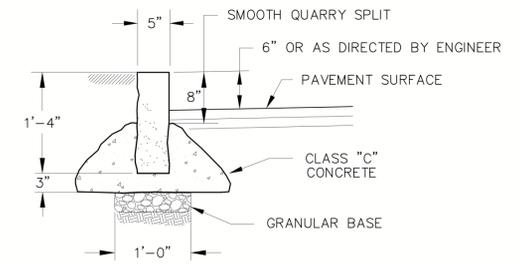
4 PLAN @ JOINT



4 ELEVATION @ JOINT

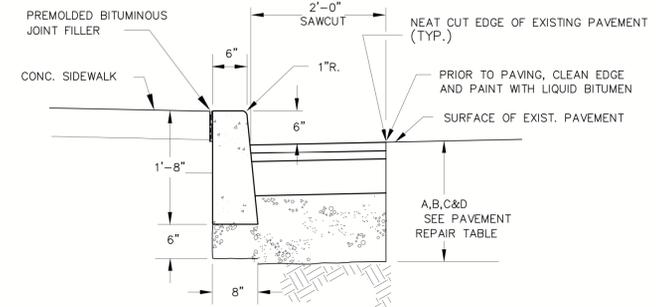


4 NON-JOINT SECTION



4 SECTION @ JOINT

GRANITE & PRECAST CONCRETE CURB
JOINT TREATMENT
(GRANITE CURB SHOWN)
EXPANSION JOINTS @ APPROX. 50'-0" O.C. (TYP.)



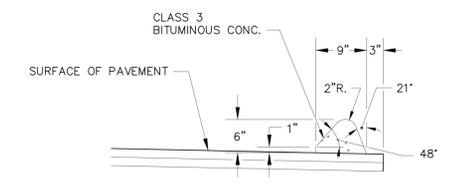
4 CAST-IN-PLACE CONCRETE CURB
EXPANSION JOINTS @ APPROX. 12'-0" O.C. (TYP.)
(EXISTING PAVEMENT)
NOT IN ROAD RECONSTRUCTION AREA

	A	B	C	D	E	F	ALLOWABLE UNCOMPACTED THICKNESS PER LIFT
	A - E X"=STONE SIZE & (Y)=LEVEL e.g. 0.50"(2)						
	0.375"(2)	0.50"(2)	1.00"(2)	0.50"(3)	1.00"(3)	12"	STONE SIZE MIN. MAX.
STATE ROAD				3"	6"	12"	1.5" 2"
MAJOR ARTERIAL				4"	6"	14"	1.5" 2"
MINOR ARTERIAL	1.5"	2"	3"			12"	1.75" 2.5"
COLLECTOR	1.5"	1.5"	3"			12"	3.0" 5.0"
LOCAL	3"					12"	

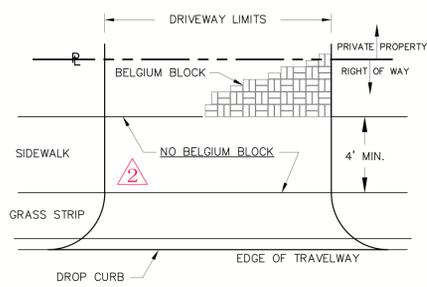
5 PAVEMENT REPAIR TABLE
(SUPERPAVE)

	A	B	C	D	P.A.B.
	CL 2	CL 1	CL 4		
STATE ROAD	-	3"	6"	12"	
MAJOR ARTERIAL	2"	2"	6"	14"	
MINOR ARTERIAL	1 1/2"	2"	3"	12"	
COLLECTOR	1 1/2"	1 1/2"	3"	12"	
LOCAL	1 1/2"	1 1/2"	-	12"	

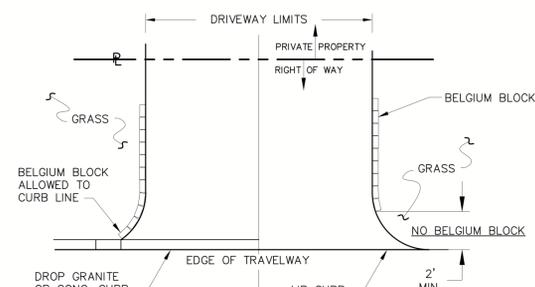
3 PAVEMENT REPAIR TABLE
(MARSHALL MIX)
MAXIMUM ALLOWABLE UNCOMPACTED THICKNESS PER LIFT:
CLASS 2 - 2" THK.
CLASS 1 - 2 1/2" THK.
CLASS 4 - 4" THK.



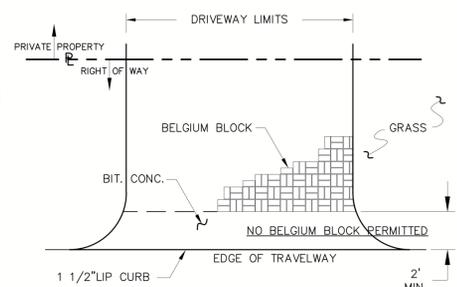
4 BITUMINOUS CONCRETE
LIP CURBING



2 PLAN N.T.S.
CONCRETE OR BITUMINOUS CONC. DRIVE APRON
W/ BELGIUM BLOCK
W/ CONCRETE, BIT. CONC., OR GRANITE CURB
W/ SIDEWALK



2 PLAN N.T.S.
BELGIUM BLOCK DRIVEWAY EDGING
NO SIDEWALK



2 PLAN N.T.S.
BIT. CONC. DRIVE APRON
W/ BELGIUM BLOCK
NO SIDEWALK OR CURB
BIT. CONC. LIP FOR DRIVEWAY

THE CITY TAKES NO RESPONSIBILITY FOR ANY DAMAGE TO BELGIUM BLOCK INSTALLED WITHIN ROAD RIGHT OF WAY.

REVISIONS	DATE	BY	CITY OF NORWALK DEPARTMENT OF PUBLIC WORKS
1 REDRAWN & REISSUED	4/8/09	FJW	
2 ADDED BELGIUM BLOCK EDGING PLAN & REBAR @ C.I.P. CONC. CURB	9/17/10	FJW	
3 ADDED MAX. LIFT THICKNESS NOTE	12/5/11	FJW	
4 MODIFIED CURB JOINT TREATMENT & RELABELED CONC. CURB TO CAST-IN PLACE	10/12/12	FJW	
5 ADDED SUPERPAVE TABLE	12/5/12	FJW	

APPROVED BY: HAROLD F. ALVORD DIRECTOR OF PUBLIC WORKS	P.E.# 24138	DATE
APPROVED BY: RICHARD P. LINNARTZ PRINCIPAL ENGINEER	P.E.# 9047	DATE
DESIGNED BY: COMMITTEE	DRAWN BY: F.J.W.	DATE: 4/2009
CHECKED BY:	CHECKED BY:	SCALE: N.T.S.

DPW PROJ. :
SHEET ____ OF ____

NOTE:
SEE "STANDARD DETAIL DRAWINGS":
#7 - DRIVEWAY APRONS, CURB RAMPS, ROADWAY SECTION & SIDEWALK
#9 - PRECAST CONC. PAVEMENT SIDEWALK, DRIVEWAY RAMPS & SURVEY MARKER
FOR DRIVEWAY AND SIDEWALK CONSTRUCTION DETAILS

MILONE & MACBROOM
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Cheshire, Connecticut 06410
(203) 271-1773 Fax (203) 272-9733
www.miloneandmacbroom.com

DESCRIPTION	DATE	BY

CITY OF NORWALK DETAILS
FODOR FARM DRAINAGE IMPROVEMENTS
FODOR FARM, AVIATION COURT, AND SOUNDVIEW AVENUE
NORWALK, CONNECTICUT

DESIGNED: AAC
DRAWN: AAC
CHECKED: AAC
NOT TO SCALE
DATE: **JULY 8, 2016**
PROJECT NO: **1383-42**
DRAWING NO: **NDS-7**
15

