

ONONDAGA COUNTY GREEN INFRASTRUCTURE PROGRAM
BID REF #7206, PLAN SET 2 OF 3
ONCENTER PARKING LOT
FOR
COUNTY OF ONONDAGA, NEW YORK
DEPARTMENT OF WATER
ENVIRONMENT PROTECTION (OCDWEP)
OCDWEP ACTING COMMISSIONER: MICHAEL LANNON, P.E.

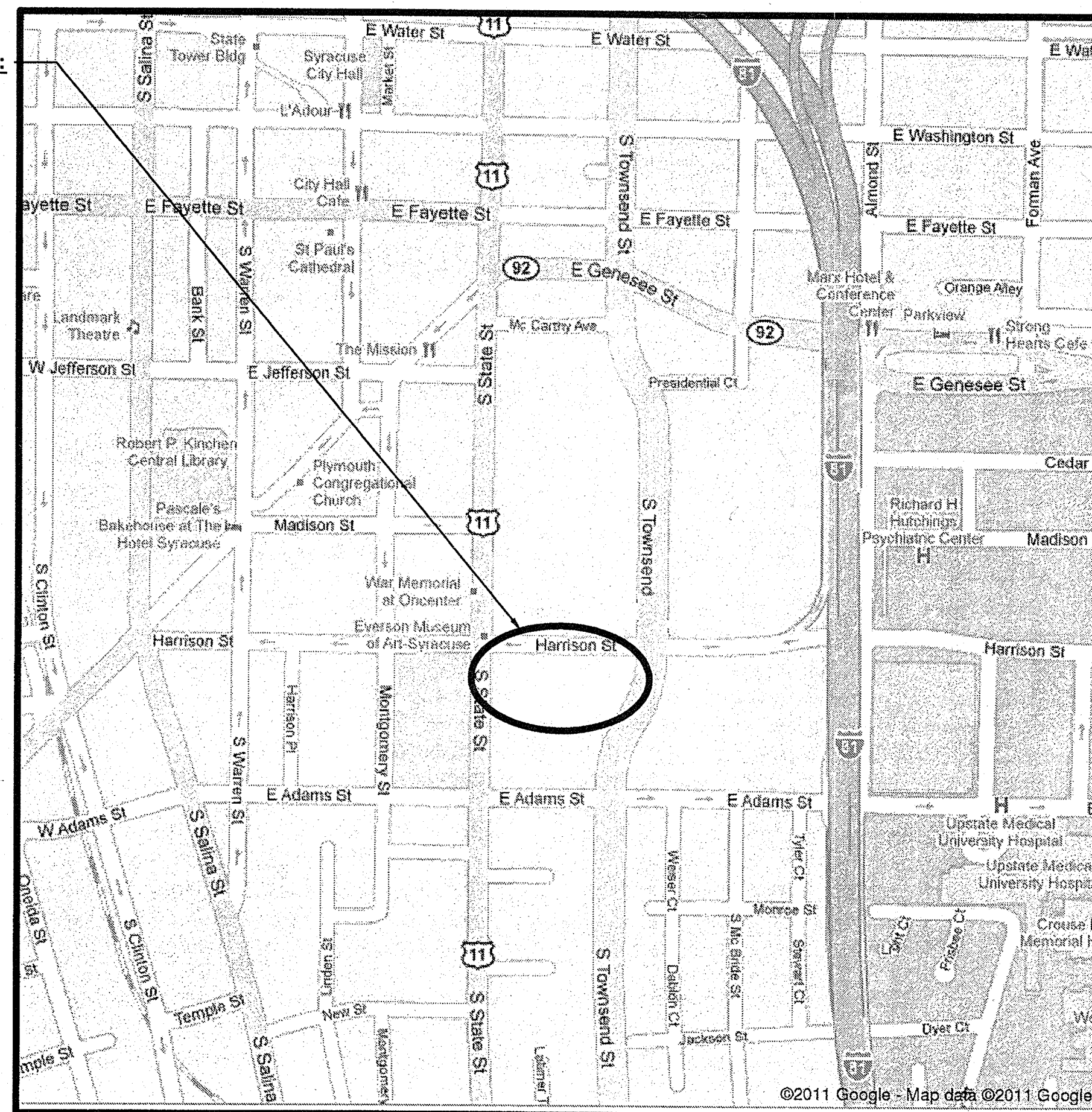


NO.	DATE	DR	REVISION	CHK	BY
					DP WIBLE
					A POTTS
					DM HECKLER

DRAWING INDEX

SHEET NO	DRAWING NO.	DESCRIPTION
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PROJECT LOCATION:
ONCENTER
PARKING LOT



LOCATION MAP
NOT TO SCALE

NOTE: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

RECORD CONSTRUCTION DRAWINGS 12-30-2011

APPROVED: *Michael J. Lannon*
OCDWEP ACTING COMMISSIONER : MICHAEL LANNON, P.E.

DATE: 6/14/11

CH2MHILL
 GENERAL
 COVER SHEET
 ONCENTER PARKING LOT

CH2M HILL
 430 E. GENESEE STREET
 SUITE 400
 SYRACUSE, NY 13202

ISSUED FOR BIDDING AND CONSTRUCTION	
DATE	MAY 2011
PROJ	381098
DWG	G-1
SHEET	1 OF 9

ABBREVIATIONS

CB	CATCH BASIN
COMM	COMMUNICATION
CONC	CONCRETE
DIA	DIAMETER
DWG	DRAWING
EL	ELEVATION
EXST	EXISTING
FT	FOOT, FEET
FH	FIRE HYDRANT
G	NATURAL GAS
HDPE	HIGH-DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
INVT	INVERT
LF	LINEAR FOOT, LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
No.	NUMBER
NTS	NOT TO SCALE
NYS DOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
O/C	ON CENTER
PVC	POLYVINYL CHLORIDE
R/W	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
R.O.C.	RUN-OF-CRUSHER
SAN	SANITARY
ST	STORM DRAIN
TC	TOP OF CASTING
TOC	TOP OF CURB
TYP	TYPICAL
UNK	UNKNOWN
UG	UNDERGROUND
VERT	VERTICAL
W	POTABLE WATER

LEGEND

	CONCRETE
	EXISTING TO BE REMOVED
	FIRE HYDRANT
	PERFORATED PIPE
	SOLID PIPE
	TREE
	VALVE
	SPOT ELEVATION
	LIGHT POLE
	POWER POLE
	ELECTRIC MANHOLE
	TELEPHONE MANHOLE
	TRAFFIC MANHOLE
	SIGN
	MONITORING WELL
	CATCH BASIN
	STORM OR SANITARY MANHOLE
	BENCHMARK
	UNDERGROUND ELECTRIC LINE
	OVERHEAD ELECTRIC LINE
	CONTOUR

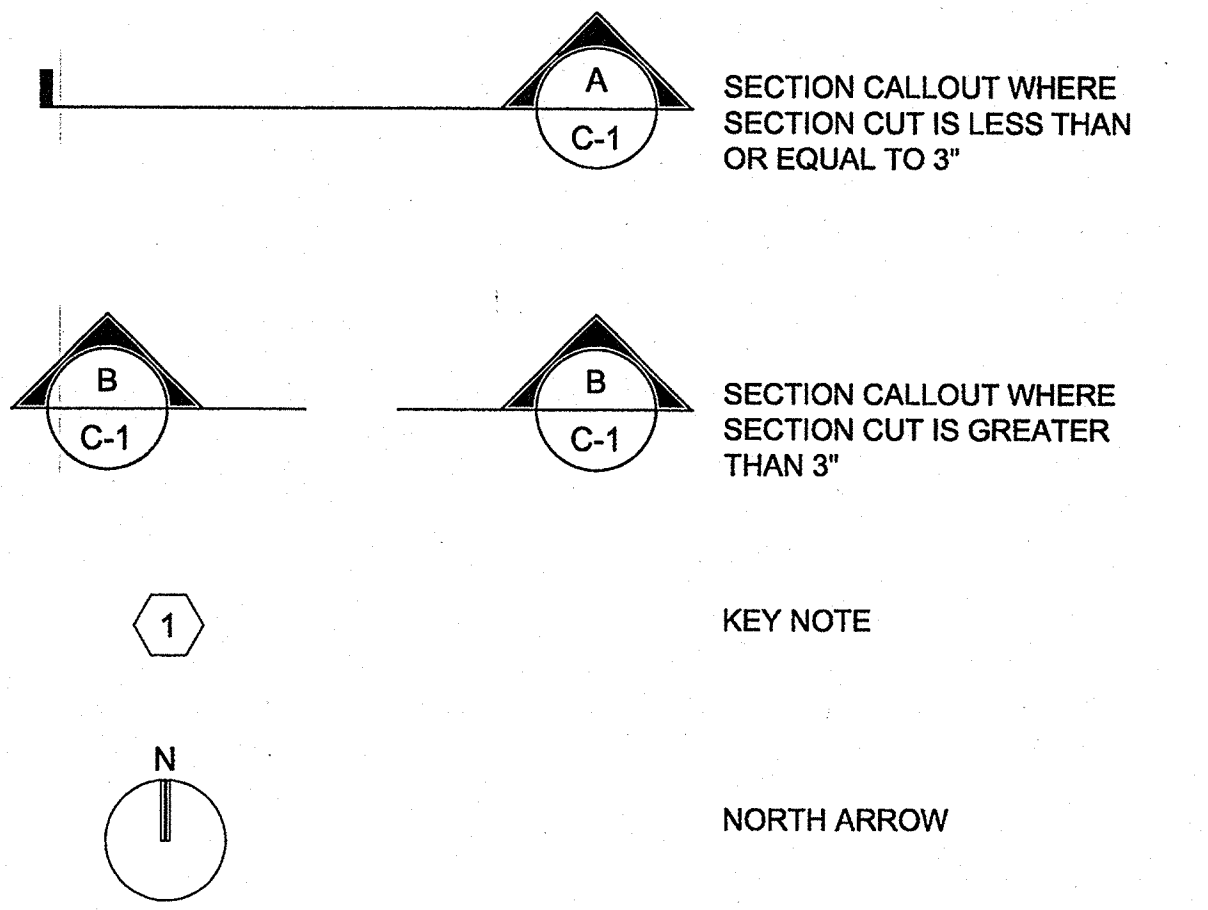
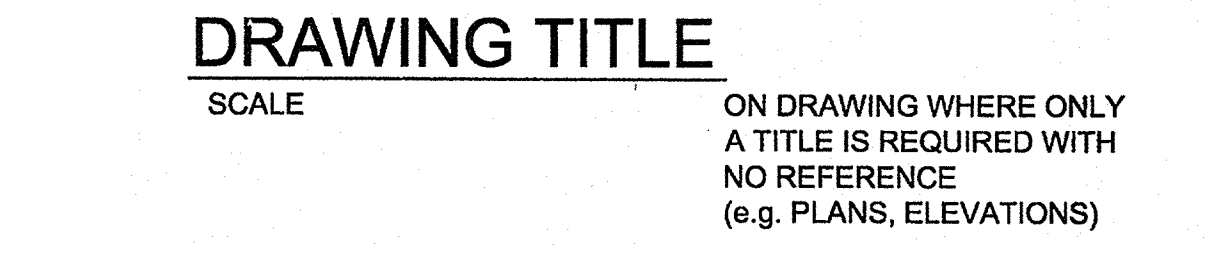
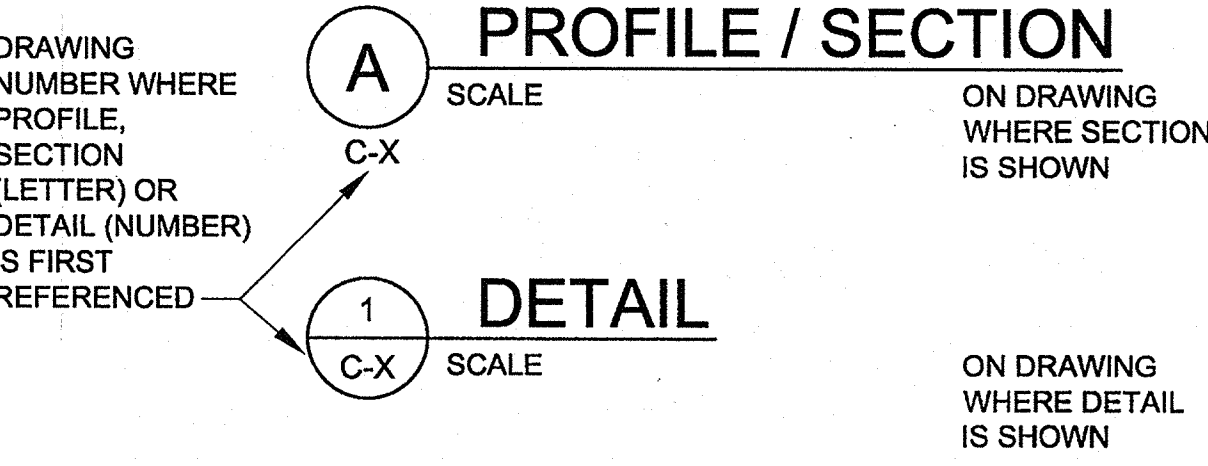
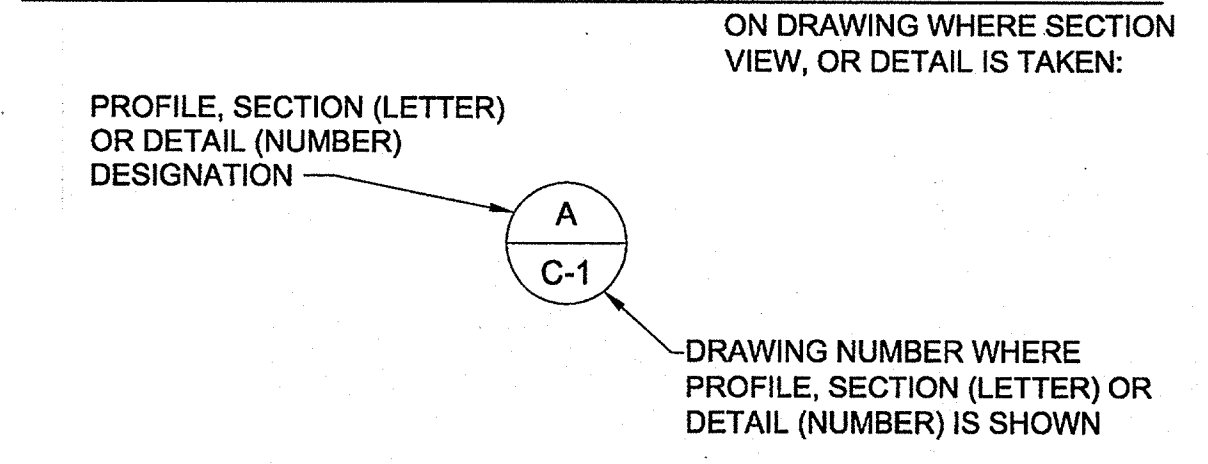
SURVEY NOTES:

- THIS TOPOGRAPHIC SURVEY WAS PREPARED BY FISHER ASSOCIATES (ROCHESTER, NY) ON JANUARY 4, 2011.
- HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83/96.
- VERTICAL DATUM: NAVD 88 BENCHMARKS AS SHOWN ON THE DRAWINGS.
- MAINTAIN, RELOCATE, OR REPLACE ALL EXISTING SURVEY MONUMENTS, CONTROL POINTS, BENCHMARKS, AND STAKES WHICH ARE DISTURBED OR DESTROYED DURING CONSTRUCTION. PERFORM THE WORK TO PROVIDE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.

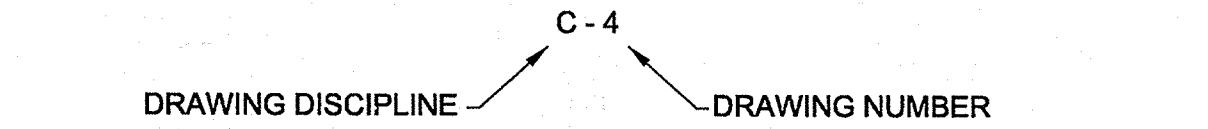
GENERAL CONSTRUCTION NOTES:

- EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
- REMOVE AND REINSTALL ALL EXISTING SIGNS, PARKING METERS AND GRANITE CURB, UNLESS OTHERWISE NOTED.
- COORDINATES AND DIMENSIONS SHOWN FOR ROADWAY IMPROVEMENTS ARE TO FACE OF CURB OR EDGE OF PAVEMENT.
- STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS.
- PROVIDE TEMPORARY FENCING AS NECESSARY TO MAINTAIN SECURITY AT ALL TIMES.
- ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
- SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
- UNLESS SHOWN ON THE LANDSCAPING PLANS, ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE SHALL BE COVERED WITH GRASS.
- PROVIDE EROSION AND SEDIMENT CONTROL MEASURES WHERE AND WHEN APPROPRIATE AS PER THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AUGUST 2005, OR LATEST EDITION). PROTECT EXISTING SITE FEATURES UNLESS OTHERWISE NOTED. CONSULT ENGINEER PRIOR TO INFILTRATION BED INSTALLATION.
- CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE. CONTRACTOR TO SUBMIT EROSION CONTROL PLAN.
- EROSION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
- UNTIL THE SITE IS STABILIZED, ALL EROSION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING AND RE-NETTING, MUST BE PERFORMED IMMEDIATELY. IF EROSION CONTROLS FAIL TO PERFORM AS EXPECTED, REPLACEMENT CONTROLS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- PROTECT INFILTRATION BED SUBGRADE FROM SEDIMENT DEPOSITION AND/OR COMPACTION DURING CONSTRUCTION. DO NOT ALLOW CONSTRUCTION VEHICLES TO TREAD ON THE INFILTRATION BED SUBGRADE.
- CONTRACTOR SHALL FOLLOW INFILTRATION BED AND DRAINAGE CONTROL REQUIREMENTS AS SPECIFIED BY ENGINEER.
- NOTIFY DIG SAFELY NEW YORK AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
- IMMEDIATELY FOLLOWING CONSTRUCTION, RETURN ALL EXISTING IMPROVEMENTS TO PRE-CONSTRUCTION CONDITIONS.
- AGGREGATE FOR STORMWATER TRENCHES SHALL BE CLEAN-WASHED PRIOR TO PLACEMENT.
- MAINTAIN LOOSE AND UNDISTURBED STORMWATER INFILTRATION TRENCH SUBGRADE. SCARIFY TOP 3 INCHES. DO NOT ALLOW CONSTRUCTION EQUIPMENT ON TRENCH BOTTOM SURFACE.
- VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK.
- PROTECT EXISTING TREES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED, EXISTING GRANITE CURBING IS TO BE REMOVED AND REUSED TO THE NEAREST JOINT FROM THE DISTURBED AREA. EXISTING GRANITE CURB THAT IS NOT REUSED SHALL BE RETURNED TO THE CITY OF SYRACUSE.
- WHEN ENCOUNTERED WITHIN THE REQUIRED STORMWATER FACILITY EXCAVATION, CONTRACTOR SHALL TAPE WRAP AND SLEEVE EXISTING UTILITIES IN 14-INCH PVC D-1785 SCHEDULE 80 WITH MOLDED PIPE SLEEVE END SEALS. EXTEND TAPE WRAP AND SLEEVE 12 INCHES BEYOND BOTH ENDS OF STORMWATER FACILITY.
- WHERE DISTURBED DURING CONSTRUCTION, ALL EXISTING MANHOLE AND CATCH BASIN FRAMES AND COVERS SHALL BE REINSTALLED UPON A MINIMUM OF 2 COURSES OF BRICK, WHICH SHALL BE REPLACED IN KIND. THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- INSTALL TWO-PIECE HDPE ANTI-SEEP COLLAR BY LANE ENTERPRISES, OR APPROVED EQUAL. INSTALL COLLAR ON THE INDICATED SOLID HDPE PIPES APPROXIMATELY 1' FROM EDGE OF THE INFILTRATION BED/TREE TRENCH.
- INSTALL FLOGARD+ (OR APPROVED EQUAL) FILTER INSERTS IN ALL CATCH BASINS AND CURB INLETS WITHIN THE PROJECT LIMITS.
- CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD). TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY OF SYRACUSE PRIOR TO THE COMMENCEMENT OF ALL CONSTRUCTION ACTIVITIES. ALL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED FOR THE DURATION OF THE WORK.

SECTION / DETAIL DESIGNATIONS



DRAWING NUMBER DESIGNATIONS



DISCIPLINE LIST:

C	CIVIL
G	GENERAL
L	LANDSCAPING

GENERAL NOTES:

- THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.
- CONTACT THE ENGINEER FOR ABBREVIATIONS USED BUT NOT SHOWN ON THIS DRAWING.



NO.	DATE	REVISION	CHK	APVD

CH2MHILL
430 E. GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

CH2MHILL
GENERAL ABBREVIATIONS, LEGENDS, AND NOTES

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	MAY 2011
PROJ	381098
DWG	G-2
SHEET	2 OF 9

GENERAL NOTES:

1. RESTORE ALL DISTURBED ASPHALT PAVEMENT PER DETAIL 2
C-4

PAVEMENT LEGEND:

REMOVE EXST ASPHALT PAVEMENT AND INSTALL NEW POROUS ASPHALT SEE DETAIL 2
C-3

REMOVE EXST ASPHALT PAVEMENT AND INSTALL FULL DEPTH ASPHALT PAVEMENT. LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL REPAIR LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH THE OWNER. SEE DETAIL 2
C-4

KEY NOTES:

1. FOR TYPICAL CURB INLET, SEE DETAIL 1
C-6

2. FOR 48" DIA STORM MANHOLE, SEE DETAIL 5
C-3

3. FOR 24" DIA STORM MANHOLE, SEE DETAIL 6
C-3

4. FOR SOLID HDPE PIPE BEDDING, SEE DETAIL 1
C-3

5. FOR ROAD RESTORATION, SEE DETAIL 1
C-5

6. TRENCH DRAIN IS MANUFACTURED IN 1-METER LONG SECTIONS. ACTUAL LENGTH SHALL BE 21 METERS. SEE DETAIL 6
C-6

7. RESTORE ALL EXISTING HANDICAP SYMBOLS PER DETAIL 4
C-4

8. REPLACE SIGN MOUNTING HARDWARE, POST AND FOUNDATION. SEE DETAIL 5
C-4

9. FOR GRANITE CURB, SEE DETAIL 1
C-4

10. PROVIDE FILTER INSERT IN INLET. SEE DETAIL 2
C-5

11. FOR FIELD INLET, SEE DETAIL 7
C-3

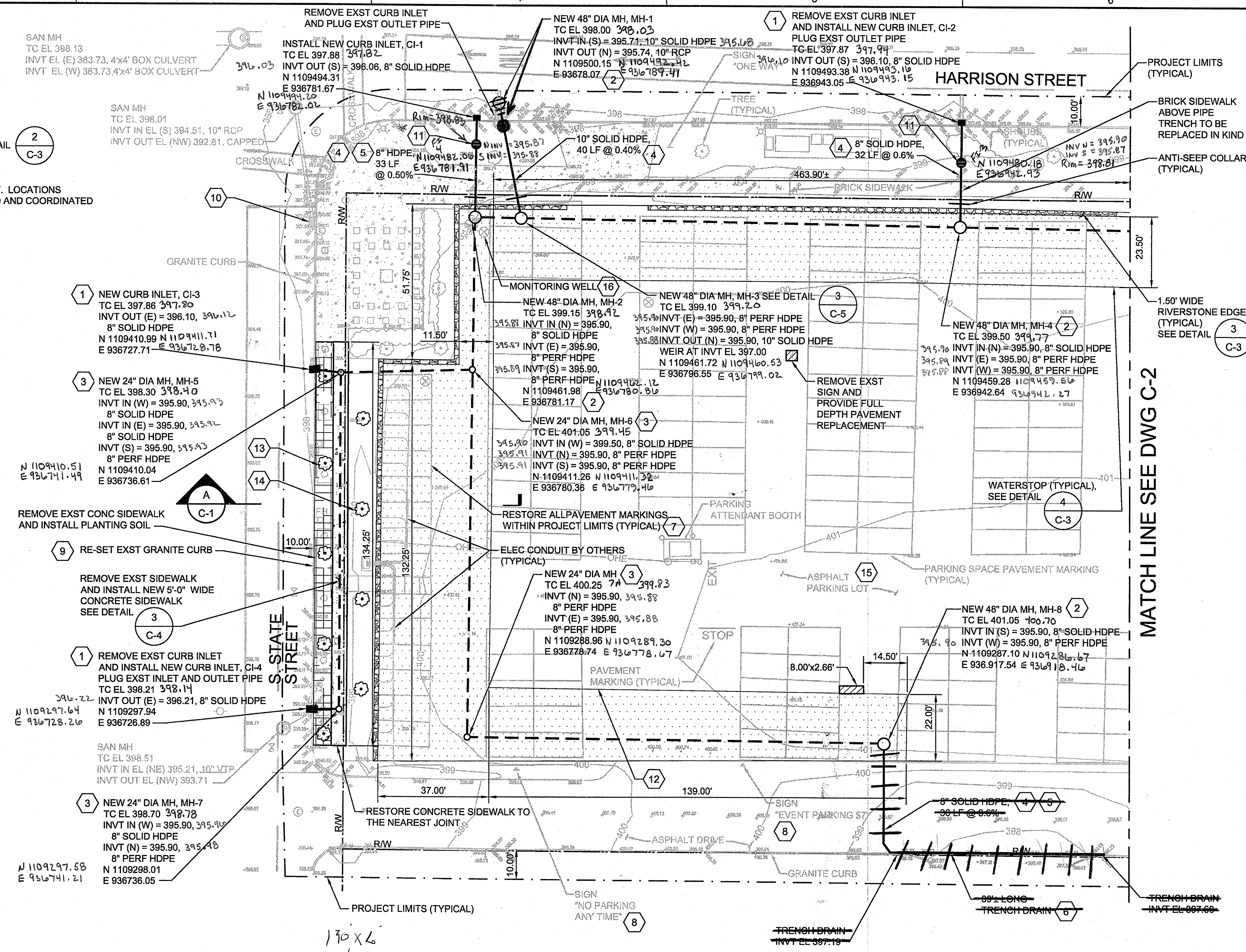
12. SAWCUT EXST PAVEMENT AT JOINT WITH NEW POROUS PAVEMENT (TYPICAL)

13. REMOVE EXST TREE GRATES AND PLANT NEW TREE AT 30-FT SPACES. SPECIES SHALL BE AS DIRECTED BY THE CITY'S ARBORIST. SEE DETAIL 2
L-1

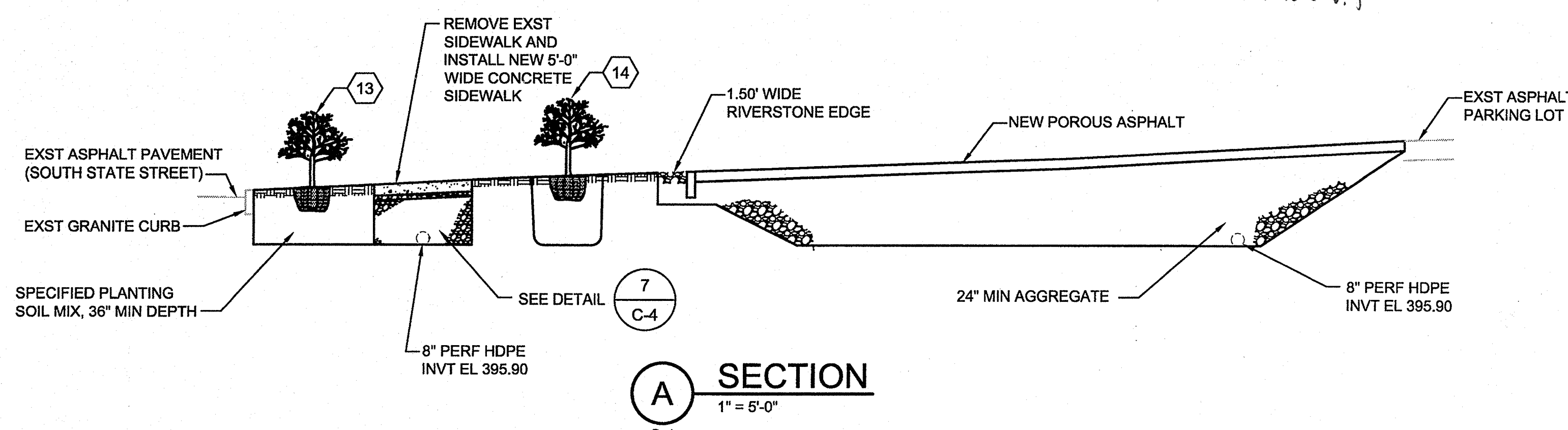
14. NEW TREES AT 30-FOOT SPACES. TREES SHALL BE AUTUMN BLAZE MAPLE (ACER FREEMANII "JEFFERSRED"). FOR PLANTING DETAILS, SEE DETAIL 2
L-1

15. REMOVE THE TOP 2" OF EXISTING PAVEMENT IN ALL AREAS WITHIN THE ONCENTER PARKING LOT WHICH ARE NOT TO BE REPLACED WITH POROUS PAVEMENT, UNLESS NOTED OTHERWISE. REPLACE WITH NYSDOT TACK COAT AND 2" MIN NYSDOT ASPHALT CONCRETE TOP COURSE, TYPE 7.

16. EXISTING MONITORING WELL TO BE ABANDONED PRIOR TO CONSTRUCTION, TYP.

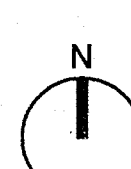


MATCH LINE SEE DWG C-2

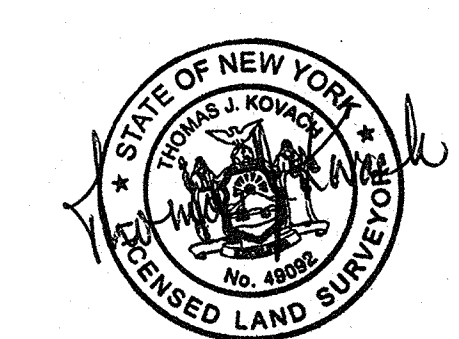


PARKING LOT PLAN - WEST

1" = 20'-0"



Asbuilt information located by Kovach Land Surveying Dec 18, 2013



CH2MHILL
CIVIL
PARKING LOT PLAN
WEST

NO.	DATE	REVISION	BY	APVD

CH2M HILL
430 E. GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1'

DATE	MAY 2011
PROJ	381098
DWG	C-1
SHEET	3 OF 9

GENERAL NOTES:

- 1. RESTORE ALL DISTURBED ASPHALT PAVEMENT PER DETAIL 2
C-4

PAVEMENT LEGEND:

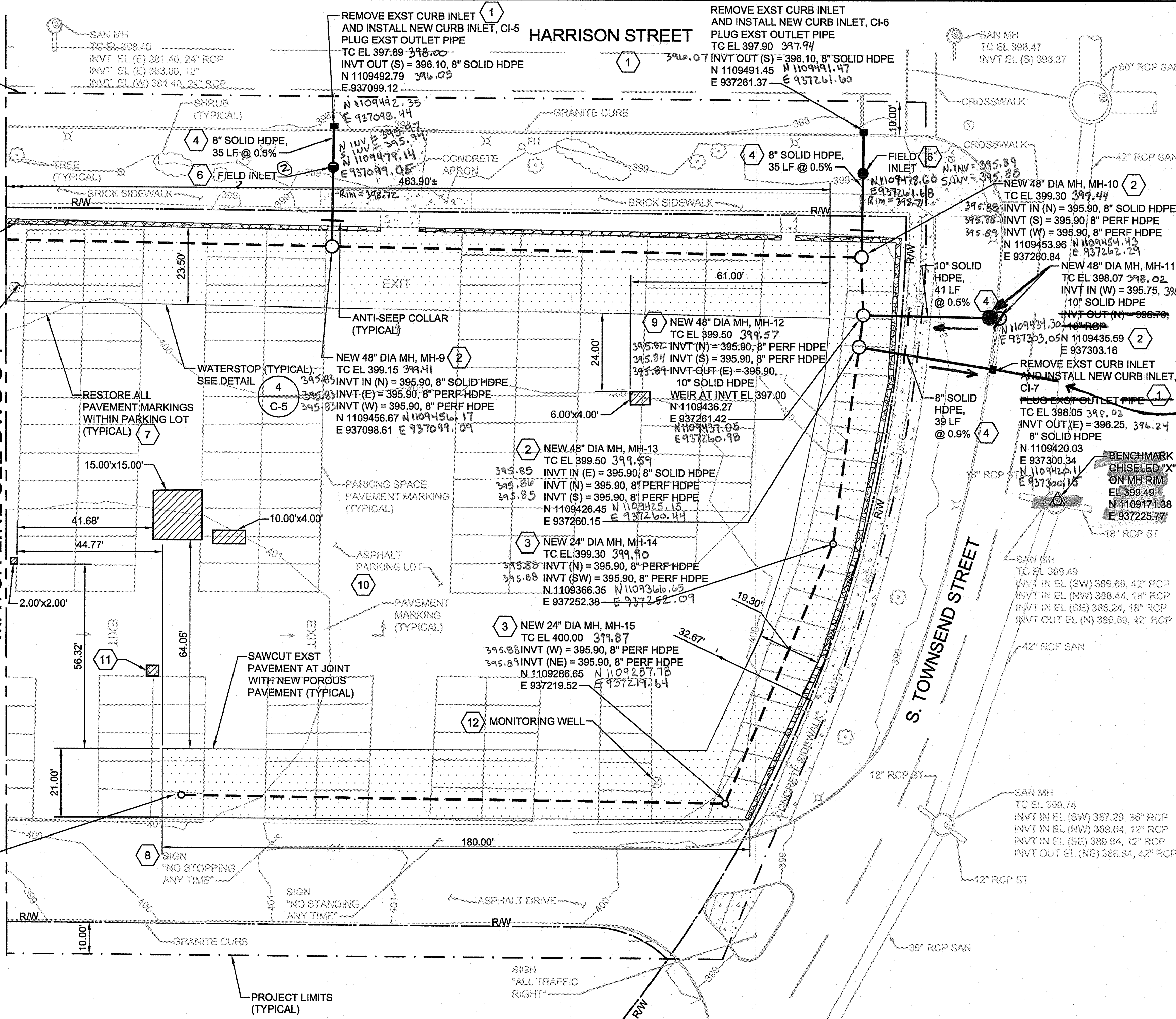
- REMOVE EXST ASPHALT PAVEMENT AND INSTALL NEW POROUS ASPHALT SEE DETAIL 2
C-3
- REMOVE EXST ASPHALT PAVEMENT AND INSTALL FULL DEPTH ASPHALT PAVEMENT. LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL REPAIR LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH THE OWNER'S PERSONNEL. SEE DETAIL 2
C-4

KEY NOTES:

- 1. FOR TYPICAL CURB INLET, SEE DETAIL 1
C-6
- 2. FOR 48" DIA STORM MANHOLE, SEE DETAIL 5
C-3
- 3. FOR 24" DIA STORM MANHOLE, SEE DETAIL 6
C-3
- 4. FOR SOLID HDPE PIPE BEDDING, SEE DETAIL 1
C-3
- 5. FOR ROAD RESTORATION, SEE DETAIL 1
C-5
- 6. FIELD INLET, SEE DETAIL 7
C-3
- 7. RESTORE ALL EXISTING HANDICAP SYMBOLS PER DETAIL 4
C-4
- 8. REPLACE SIGN MOUNTING HARDWARE, POST AND FOUNDATION. SEE DETAIL 5
C-4
- 9. SEE DETAIL 3
C-5
- 10. REMOVE THE TOP 2" OF EXISTING PAVEMENT IN ALL AREAS WITHIN THE ONCENTER PARKING LOT WHICH ARE NOT TO BE REPLACED WITH POROUS PAVEMENT, UNLESS NOTED OTHERWISE. REPLACE WITH NYS DOT TACK COAT AND 2" MIN NYS DOT ASPHALT CONCRETE TOP COURSE, TYPE 7.
- 11. REMOVE EXST UTILITY POLE AND PROVIDE FULL DEPTH PAVEMENT REPLACEMENT.
- 12. EXISTING MONITORING WELL TO BE ABANDONED PRIOR TO CONSTRUCTION, TYP

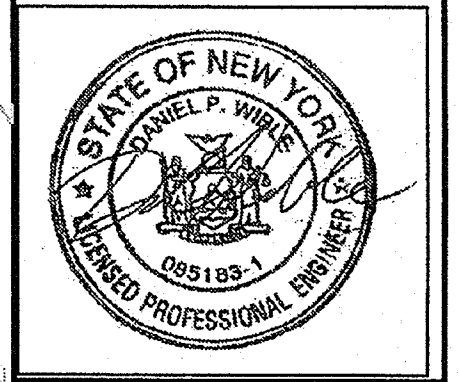
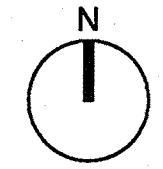
PROJECT LIMITS (TYPICAL)

MATCH LINE SEE DWG C-1



PARKING LOT PLAN - EAST

1" = 20'-0"



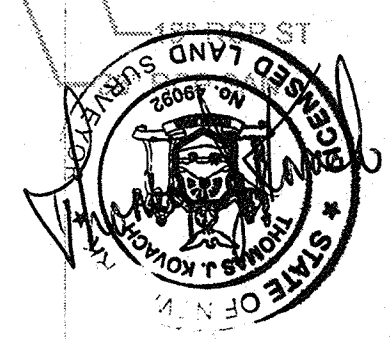
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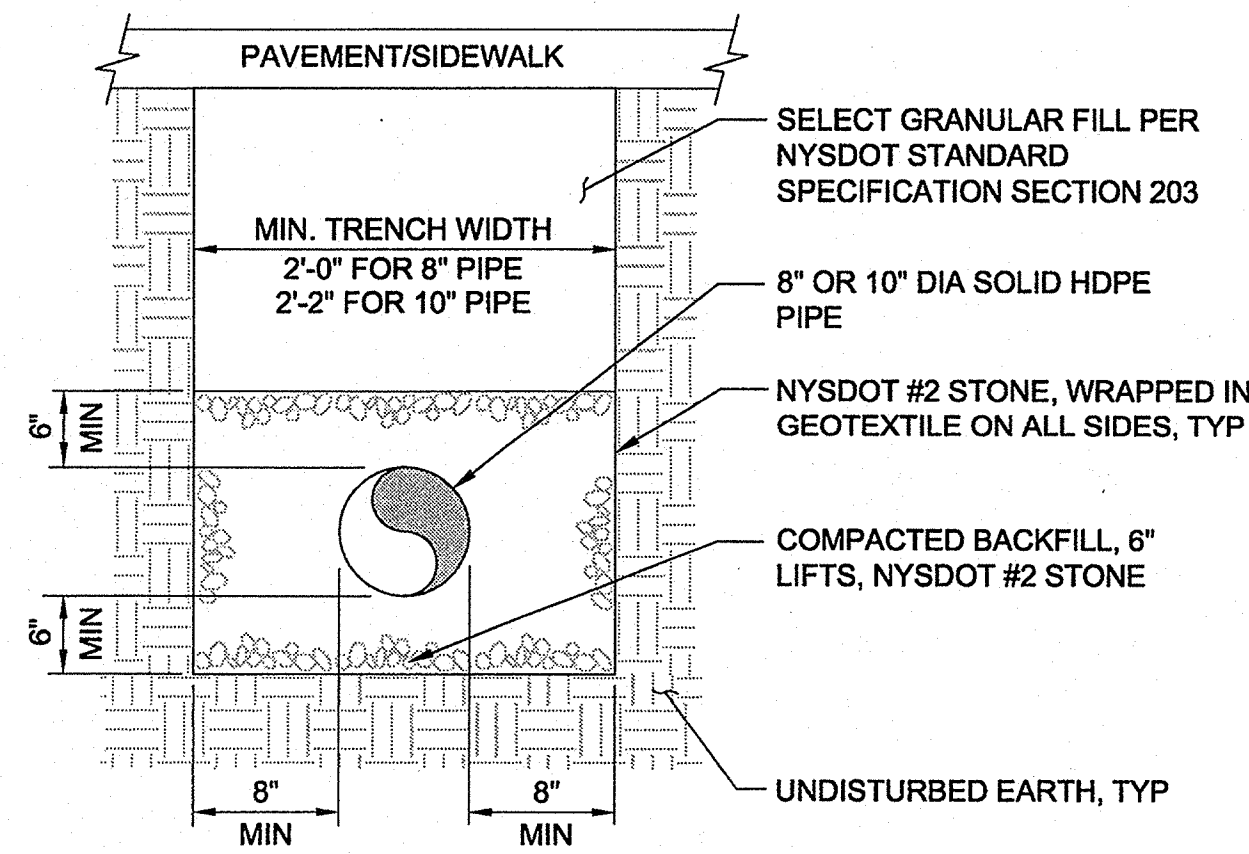
CH2MHILL
CIVIL
PARKING LOT PLAN
EAST

430 E. GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

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DWG	C-2
SHEET	4 OF 9

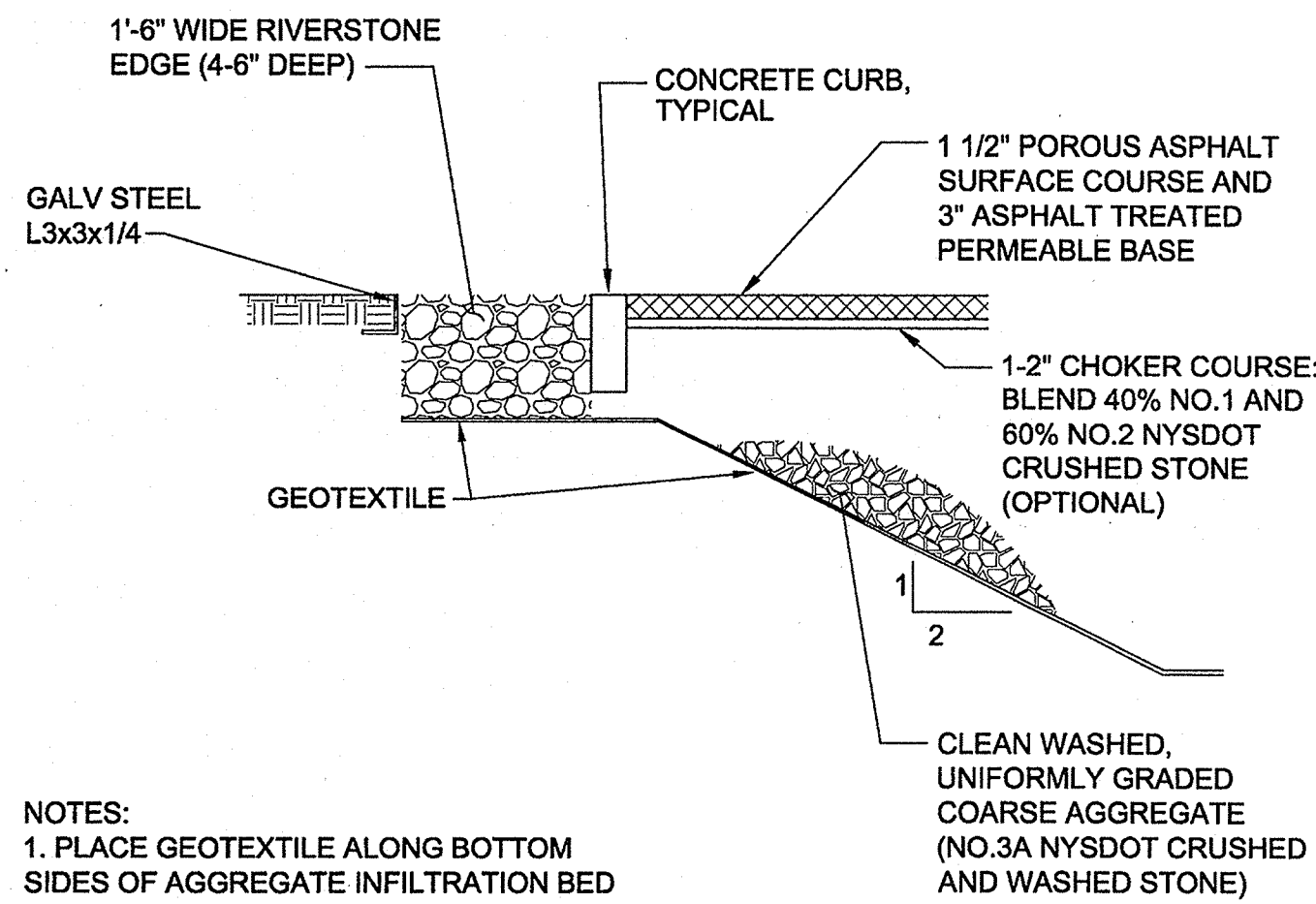
Asbuilt information located by Kovach hand Surveying Dec 18, 2013





NOTE:
FIRST TWO LIFTS - SHOVEL TAMPED
REMAINING LIFTS - USE PNEUMATIC TAMPER

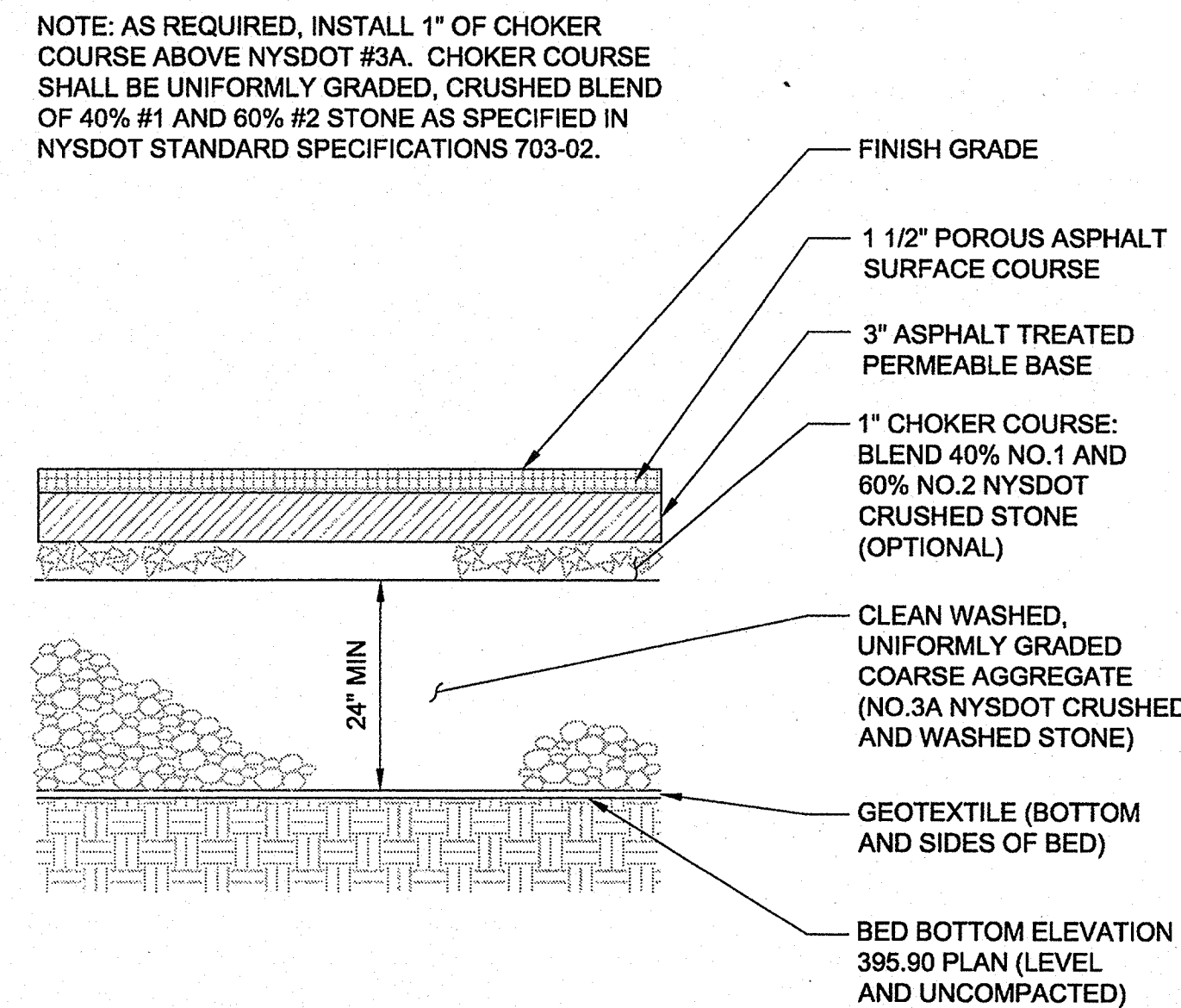
1
C-1 **SOLID HDPE PIPE BEDDING**
(NOT IN INFILTRATION TRENCH)
NTS



NOTES:
1. PLACE GEOTEXTILE ALONG BOTTOM
SIDES OF AGGREGATE INFILTRATION BED
AND UNDER RIVERSTONE EDGE.
2. DO NOT COMPACT OR ALLOW HEAVY
EQUIPMENT TO TRAVERSE BED AREA.
SEE SPECIFICATIONS.

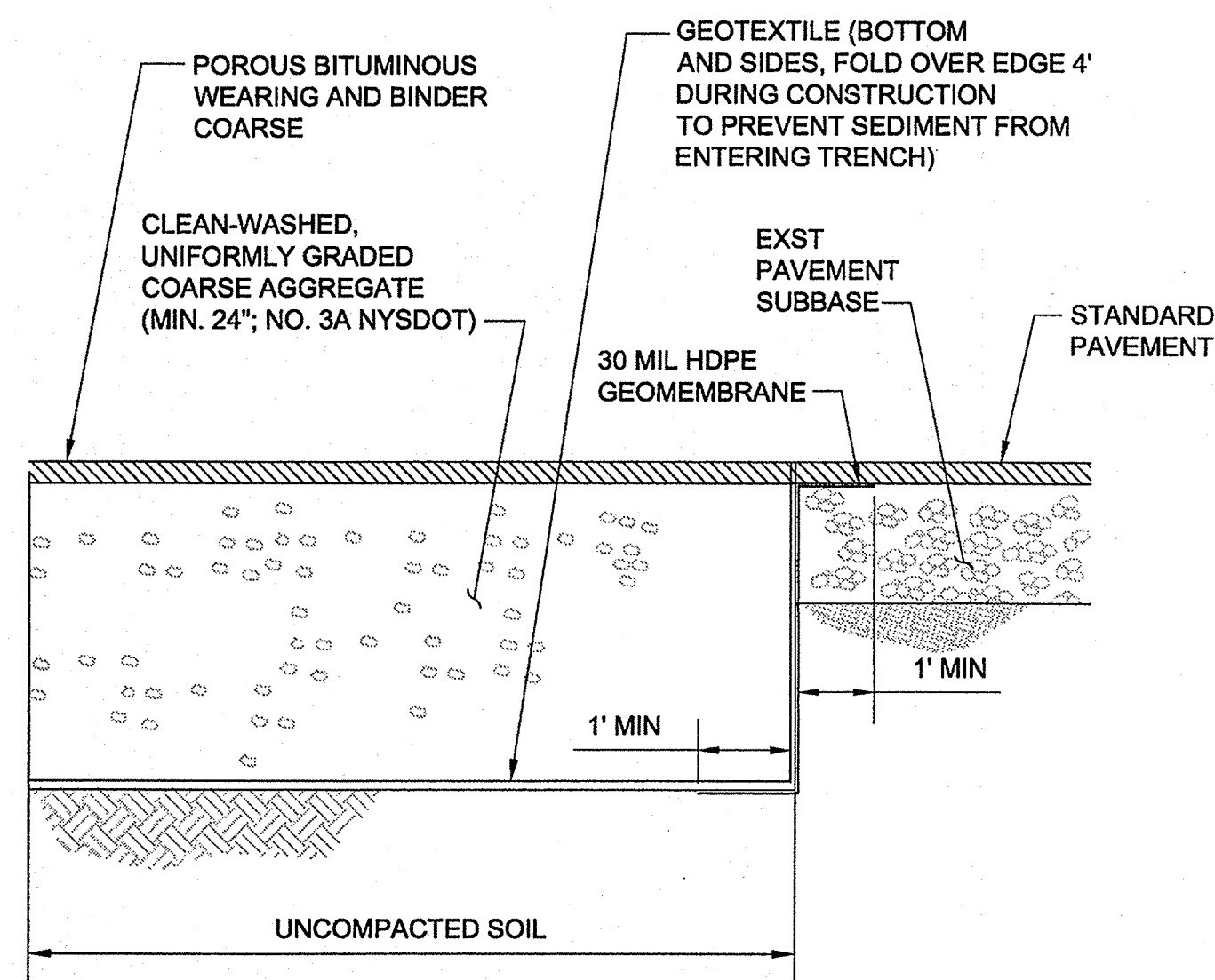
CLEAN WASHED,
UNIFORMLY GRADED
COARSE AGGREGATE
(NO. 3A NYSDOT CRUSHED
AND WASHED STONE)

3
C-1 **TYPICAL POROUS ASPHALT /
RIVERSTONE EDGE**
NTS



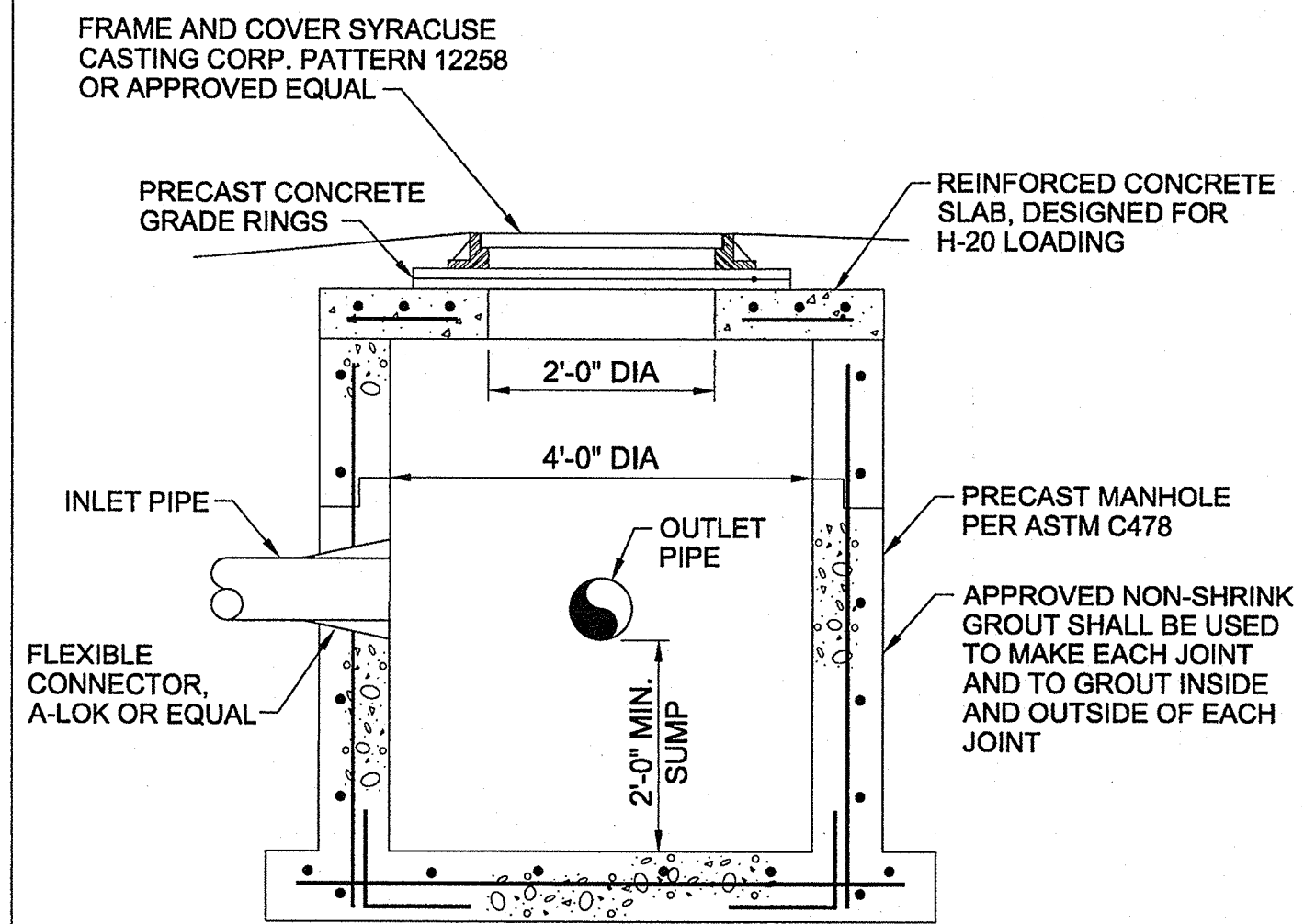
NOTES:
1. CONTRACTOR SHALL FOLLOW CONTROL
REQUIREMENTS AS DESCRIBED IN WRITTEN
TECHNICAL SPECIFICATIONS AND AS DIRECTED
BY ENGINEER.
2. PLACEMENT OF CLEAN AGGREGATE FOR INFILTRATION BED TO
BE APPROVED BY ENGINEER.

2
C-1 **TYPICAL POROUS ASPHALT
BED SECTION**
NTS

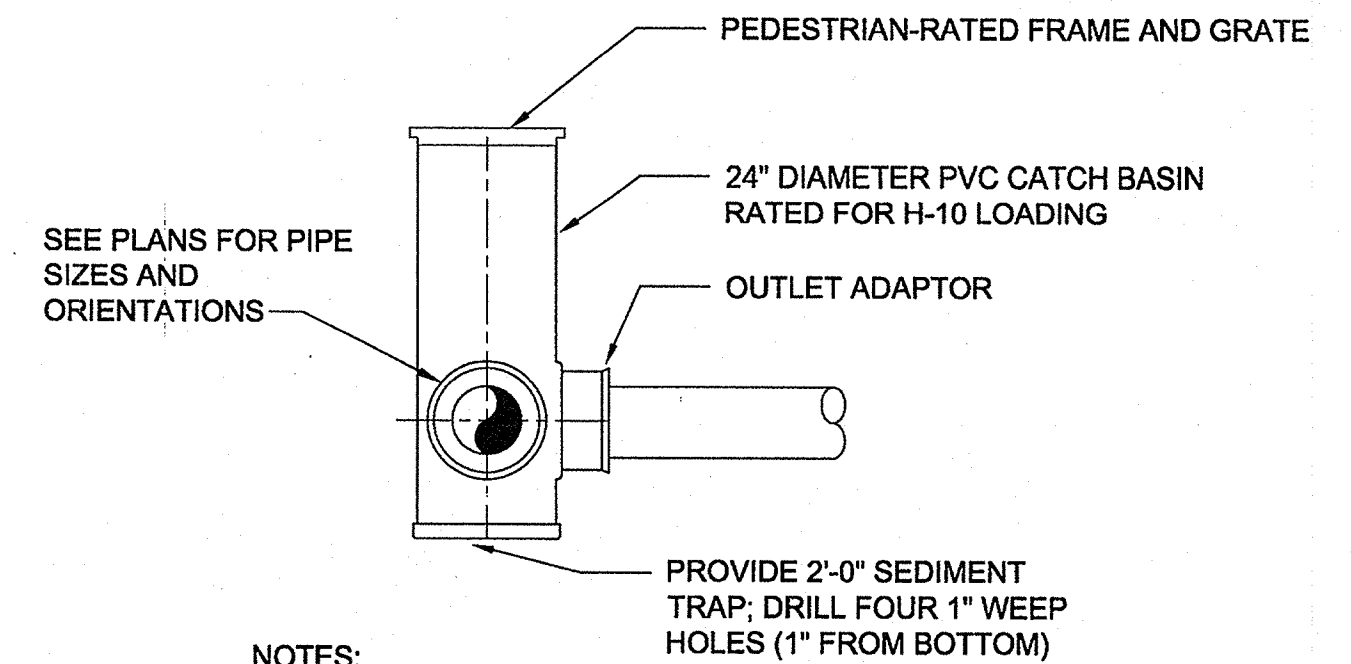


NOTE: INSTALL 30 MIL HDPE GEOMEMBRANE BETWEEN
INFILTRATION AREAS AND ADJACENT PAVEMENT
SUBBASE;
EXTEND MIN 12" ALONG BOTTOM OF INFILTRATION BED, BELOW
GEOTEXTILE

4
C-1 **WATERSTOP BETWEEN INFILTRATION
BED AND ADJACENT PAVEMENT
SUBBASE**
NTS

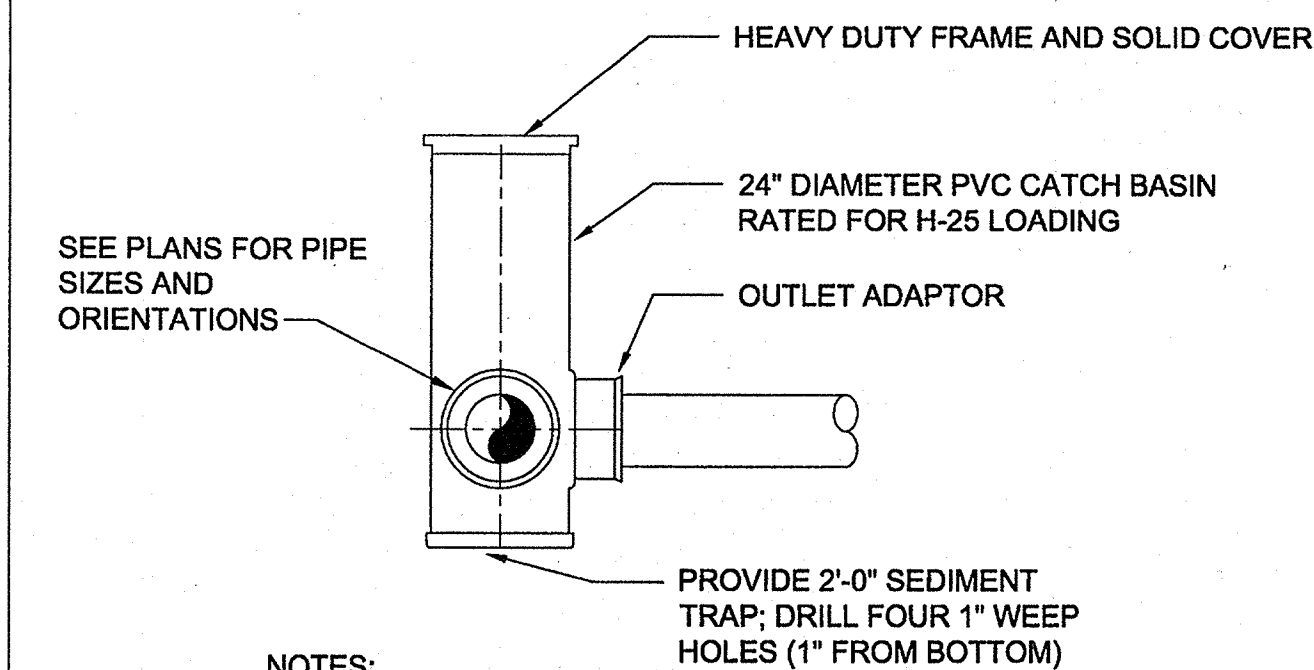


5
C-1 **48" DIAMETER STORM MANHOLE**
NTS



NOTES:
1. BASE AND BACKFILL SHALL BE HAND PLACED AND TAMPED IN
6" LIFTS. PLACE ALL CATCH BASINS ON 6" THICK AGGREGATE
LEVELING COURSE (NYSDOT NO. 1A) ON COMPACTED SUBGRADE.
2. SEE PLANS FOR TOP OF CASTING AND INVERT ELEVATIONS.
3. TO BE MANUFACTURED BY NYLOPLAST, OR
APPROVED EQUAL.

7
C-1 **FIELD INLET**
NTS



NOTES:
1. BASE AND BACKFILL SHALL BE HAND PLACED AND TAMPED IN
6" LIFTS. PLACE ALL CATCH BASINS ON 6" THICK AGGREGATE
LEVELING COURSE (NYSDOT NO. 1A) ON COMPACTED SUBGRADE.
2. SEE PLANS FOR TOP OF CASTING AND INVERT ELEVATIONS.
3. TO BE MANUFACTURED BY NYLOPLAST, OR
APPROVED EQUAL.

6
C-1 **24" DIAMETER STORM MANHOLE**
NTS

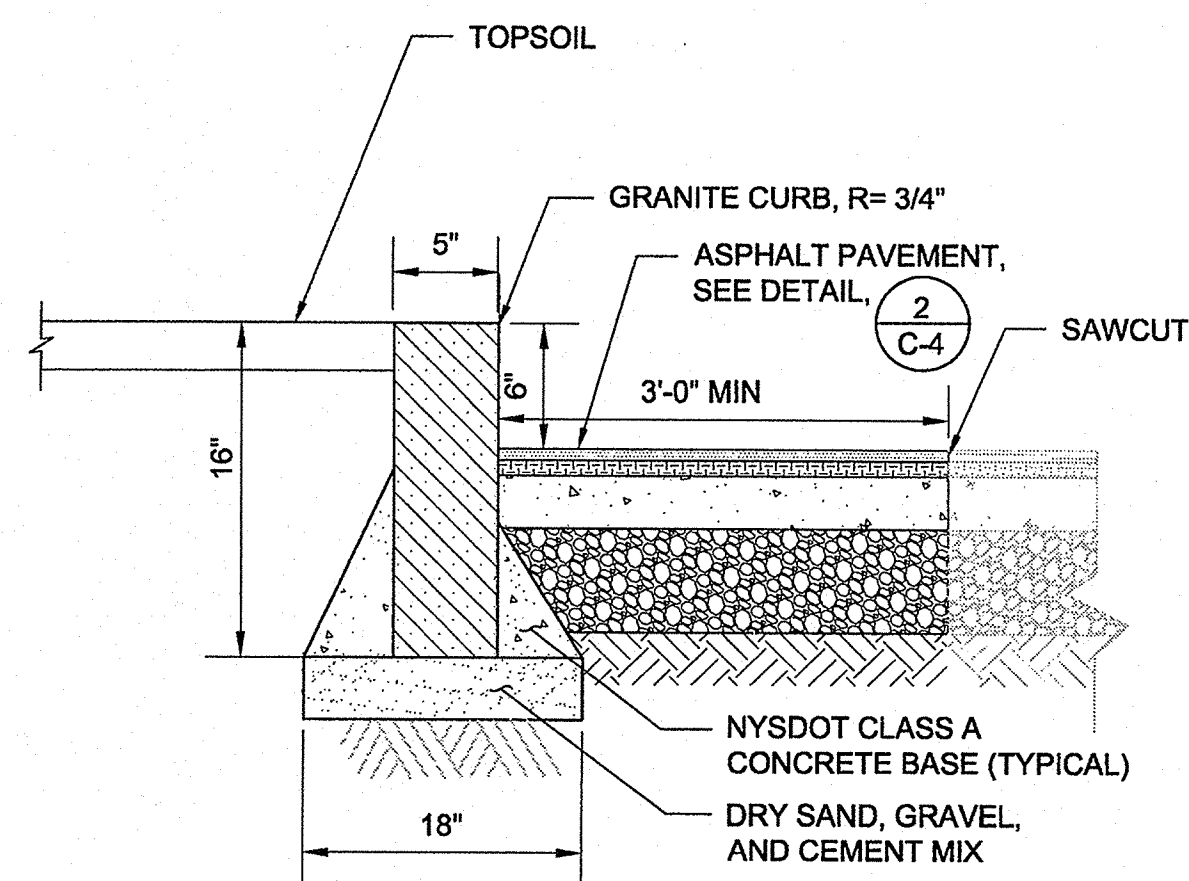


NO.	DATE	DR	REVISION	BY	APVD
		DM HECKLER	CHK	CM O'REILLY	APVD
				A POTTS	DP WIBLE

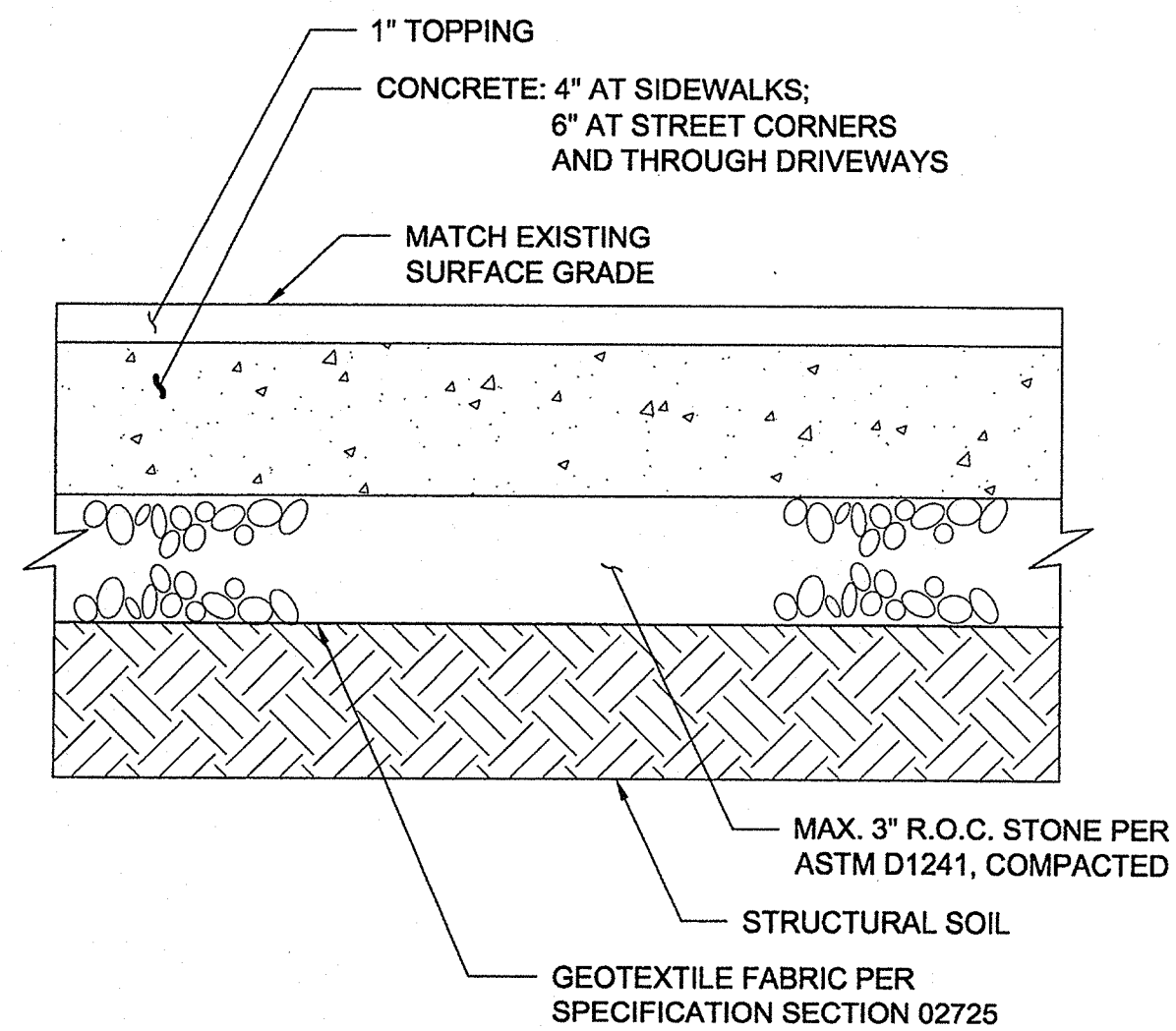
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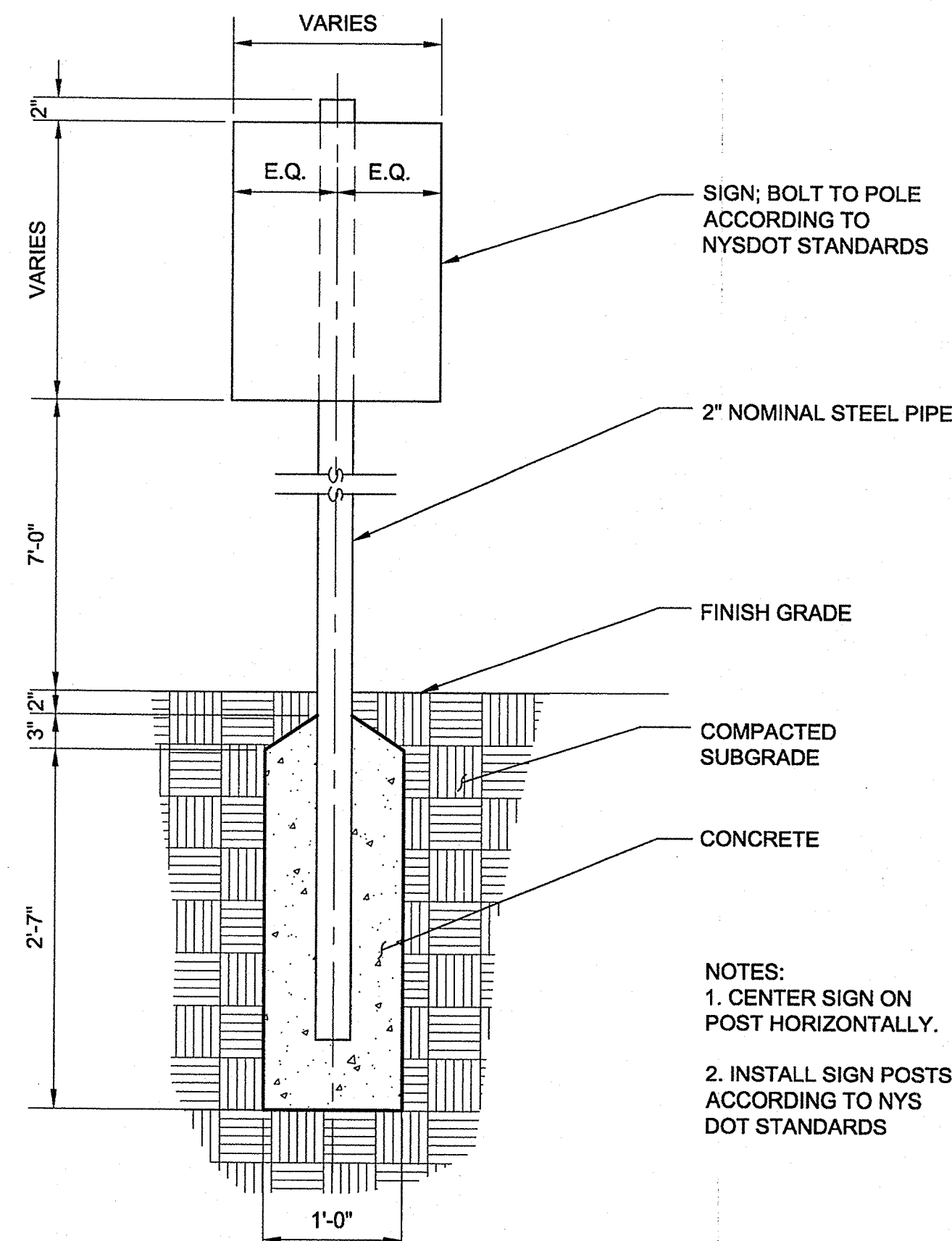


1
C-1 NTS
RESETTING EXISTING GRANITE CURB DETAIL



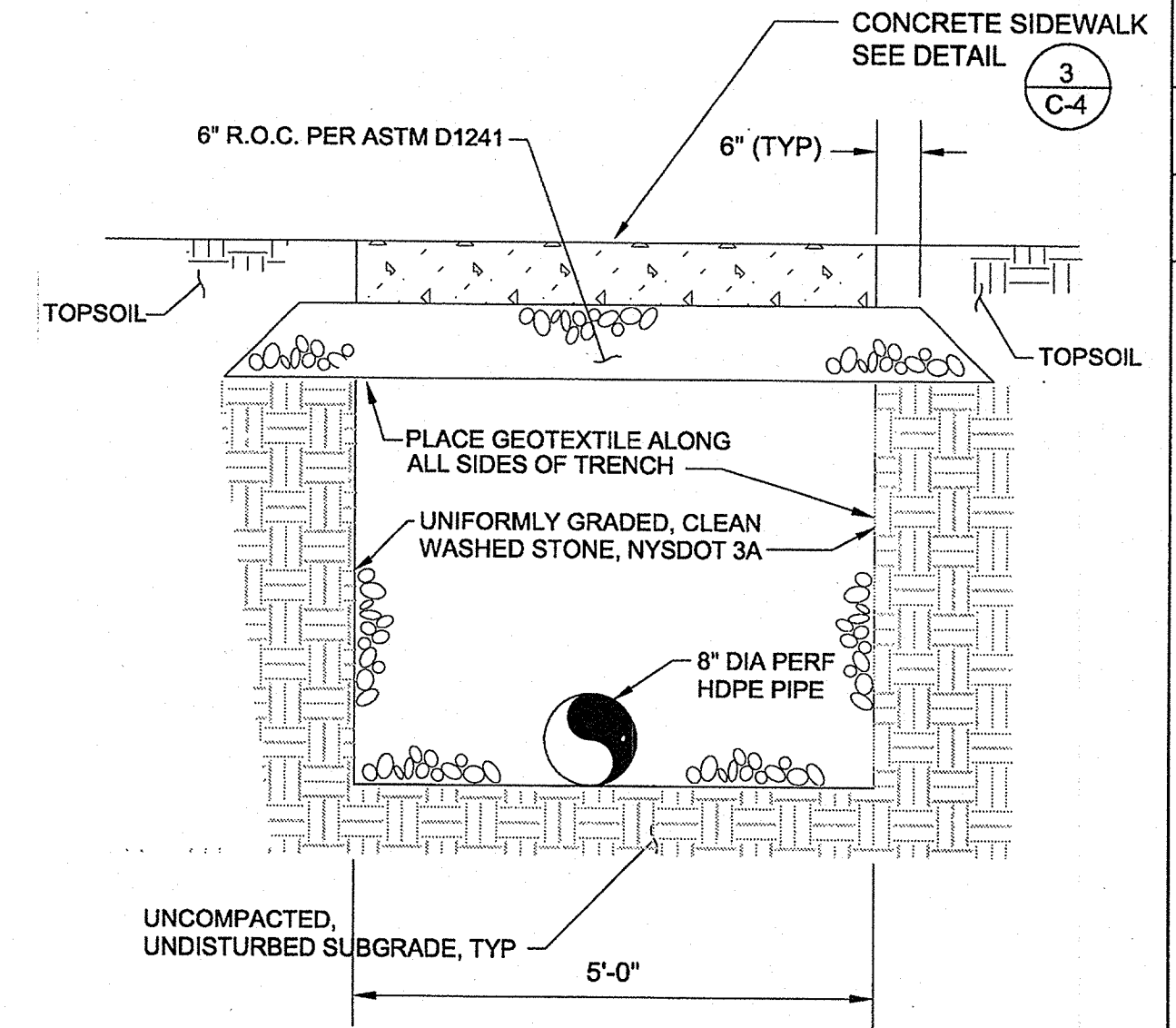
NOTES:
1. SAWCUT AT EXISTING JOINT. INSTALL 1/2" EXPANSION JOINT. REPLACE FULL PANELS.

3
C-1 NTS
CONCRETE SIDEWALK RESTORATION

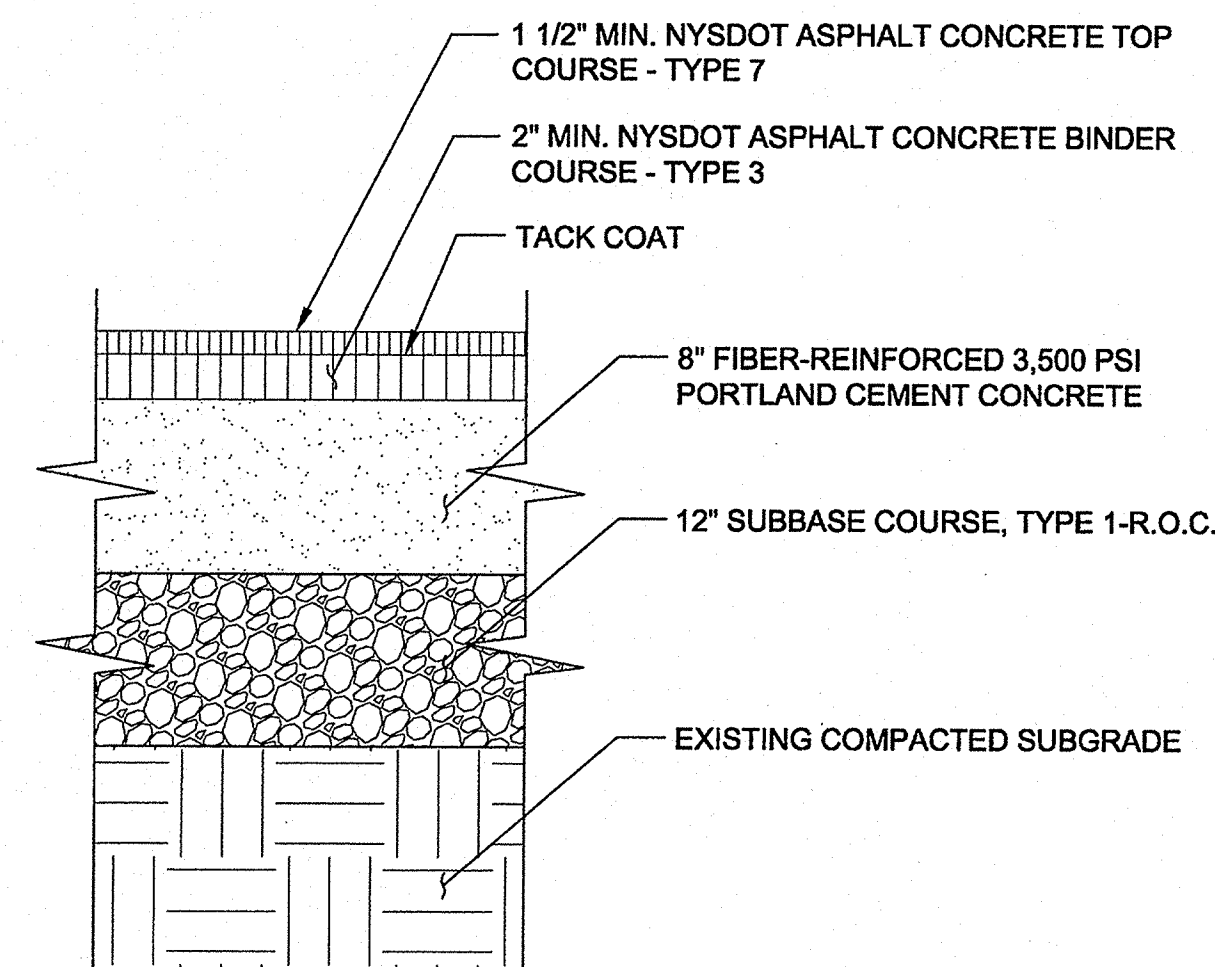


NOTES:
1. CENTER SIGN ON POST HORIZONTALLY.
2. INSTALL SIGN POSTS ACCORDING TO NYS DOT STANDARDS

5
C-1 NTS
SIGN POST FOUNDATION

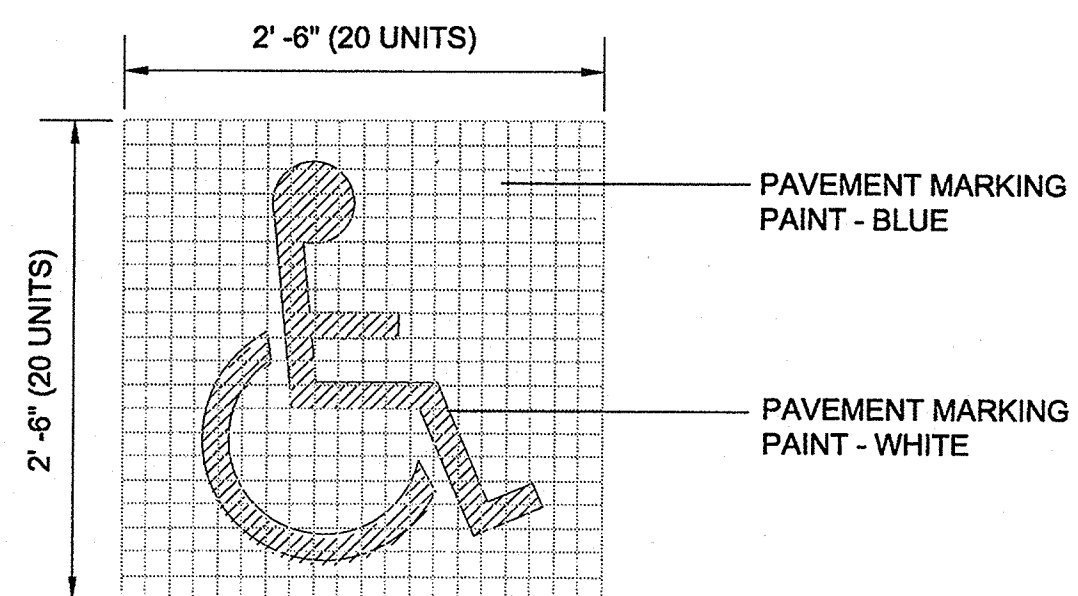


7
C-1 NTS
STORMWATER TRENCH UNDER SIDEWALK

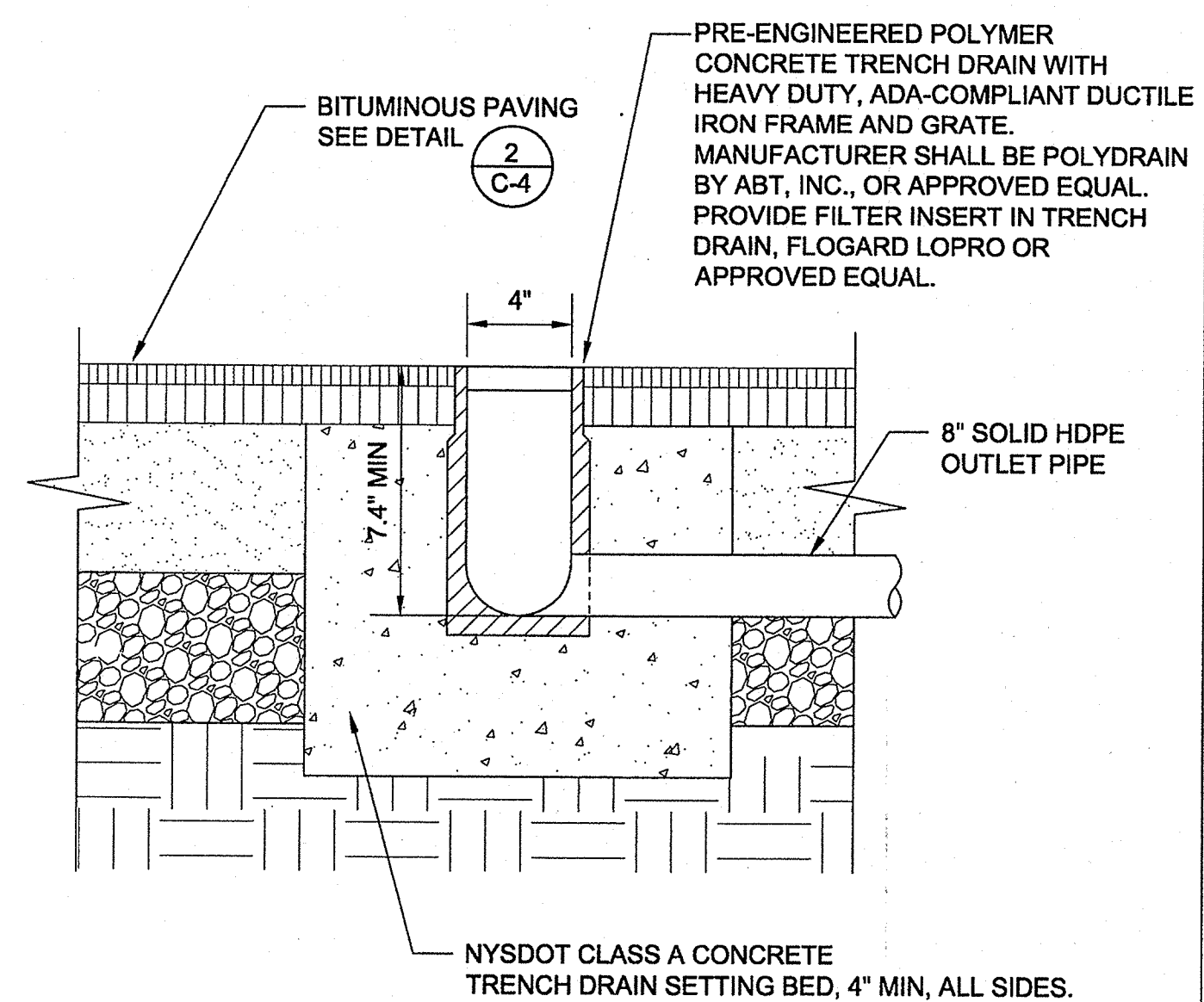


* NOTIFY ENGINEER IF EXISTING GRAVEL DEPTH IS LESS THAN 6".

2
C-1 NTS
STANDARD BITUMINOUS PAVING WITH CONCRETE BASE COURSE



4
C-1 NTS
PAINTED HANDICAP SYMBOL



6
C-1 NTS
TRENCH DRAIN



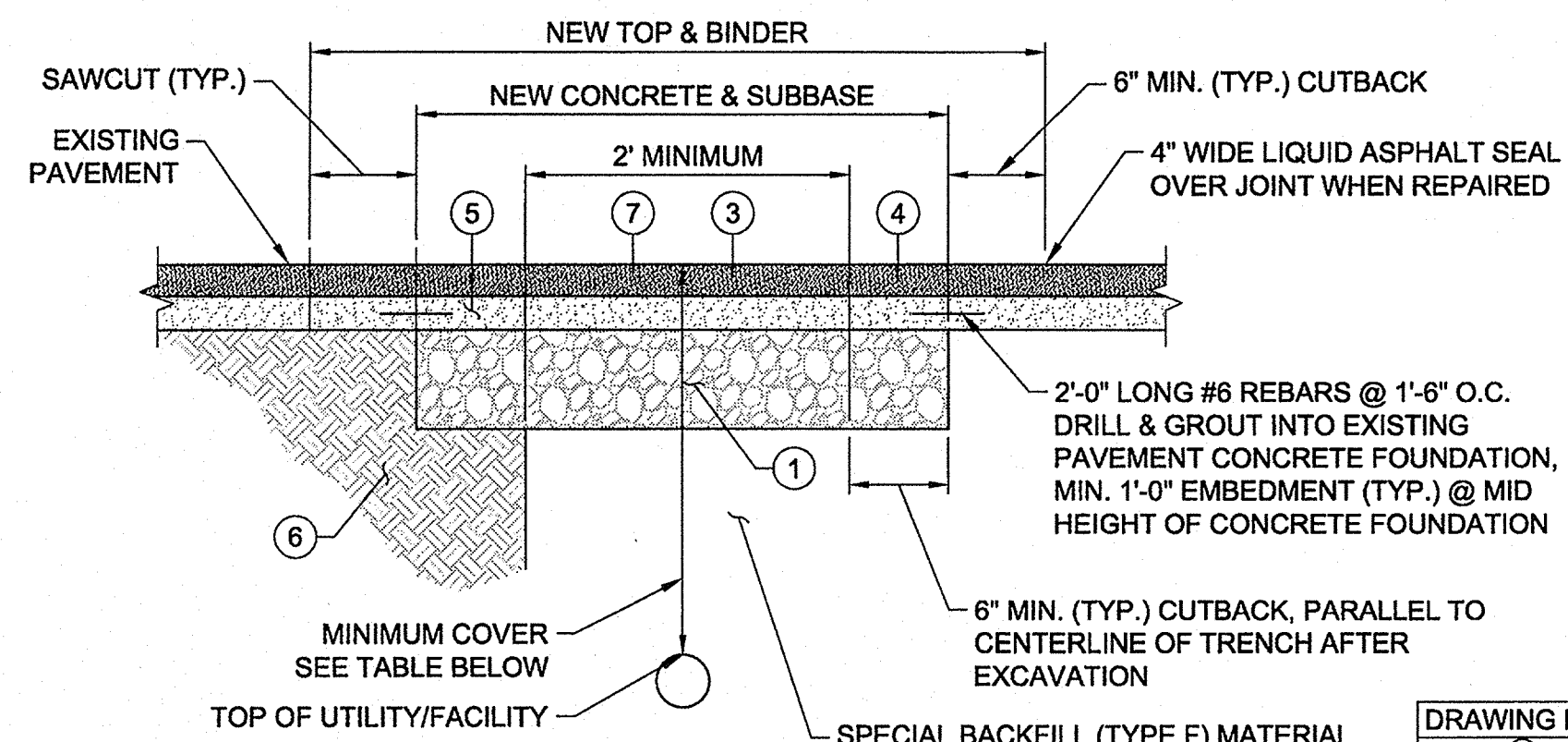
NO.	DATE	DR	CHK	BY	APVD
1		DM HECKLER	CM O'REILLY	A POTTS	DP WIBLE

CH2M HILL
430 E. GENESEE STREET
SUITE 400
SYRACUSE, NY 13202

CH2MHILL
CIVIL
DETAILS

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	MAY 2011
PROJ	381098
DWG	C-4
SHEET	6 OF 9

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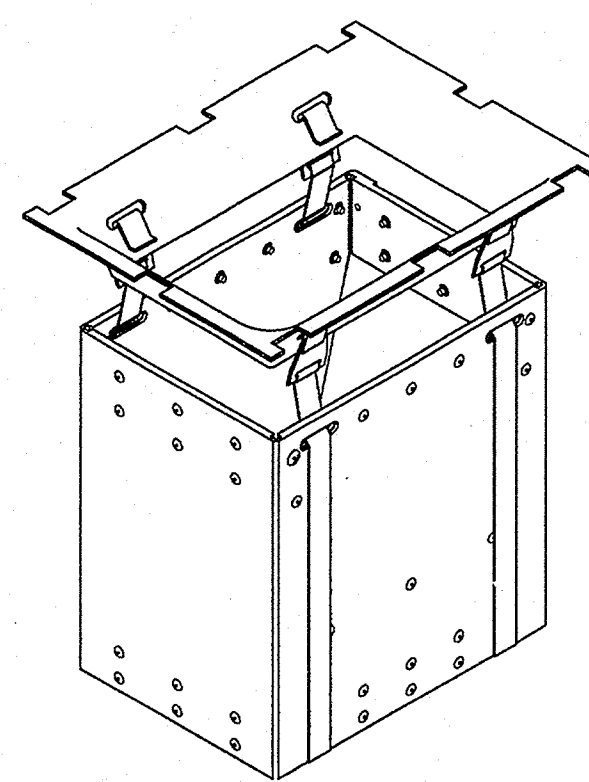
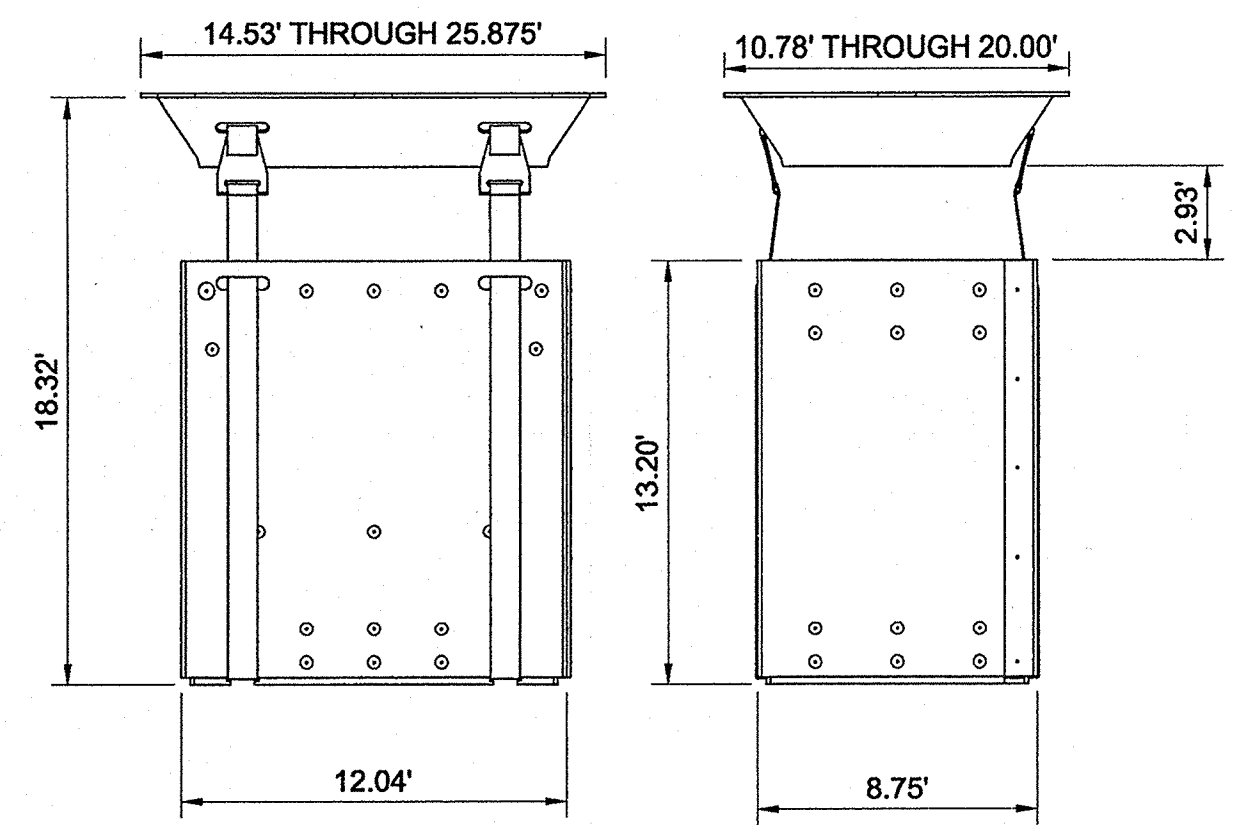
- PRIVATE UTILITY STREET CUT REPAIR:**
- WHEN 30% OR MORE OF THE PAVEMENT IS EXCAVATED BY PRIVATE UTILITY WORK, THE CITY, AT ITS DISCRETION, MAY REQUIRE RECONSTRUCTION FROM THE CENTER LINE TO THE EDGE/CURB OF THE ENTIRE SECTION.
 - WHEN 60% OR MORE OF THE PAVEMENT LANE AREA IS EXCAVATED BY PRIVATE UTILITY THE ENTIRE AREA FROM THE CENTER LINE OF THE PAVEMENT TO THE CURB MUST BE RECONSTRUCTED.
 - IF ANY PAVEMENT DISTURBANCE OCCURS WITHIN 2 FEET OF THE EDGE/CURB, PAVEMENT RECONSTRUCTION MUST BE COMPLETED TO THE EDGE/CURB.
 - IN AREAS WHERE TRENCH WIDTH VARIES THE PERCENTAGES SHALL BE DETERMINED PER 100 LINEAR FEET ALONG CENTER LINE OF THE STREET. IN INTERSECTIONS THE AREA WILL BE PER QUADRANT OF THE INTERSECTION.
 - EXISTING PAVEMENT IS TO BE SAWCUT FULL DEPTH TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING. SAWCUT IS TO BE MADE AFTER BACKFILLING THE TRENCH TO THE BOTTOM OF NEW PAVEMENT SECTION.

DRAWING KEY	DESCRIPTION
1	SUBBASE COURSE, TYPE "1" RUN-OF-CRUSHER (12")
3	ASPHALT CONCRETE - TYPE 3 BINDER COURSE (ONE - 1-1/2" LIFT)
4	ASPHALT CONCRETE - TYPE 7FM TOP COURSE (ONE - 1-1/2" LIFT)
6	FIBER-REINFORCED PORTLAND CEMENT CONCRETE - 3,500 PSI (6")
6	COMPACTED SUBGRADE
7	ASPHALT TACK COAT

MINIMUM COVER:	
3'-0"	GAS, ELECTRIC, CABLE, TV, TELECOMMUNICATIONS
5'-0"	WATER
3'+ AS DIRECTED BY CITY'S ENGINEER	ALL OTHERS

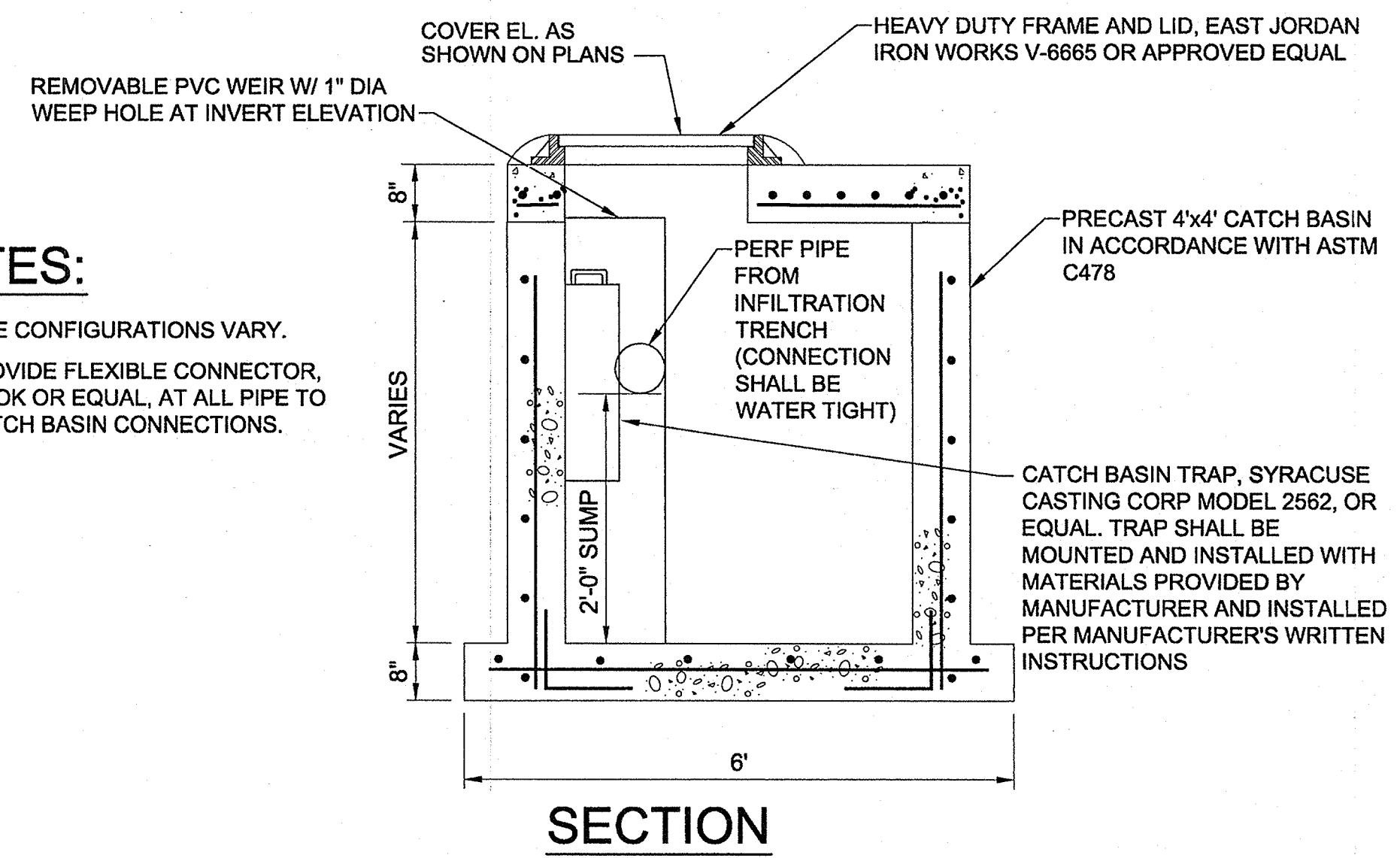
- NOTES:**
- REFER TO CITY OF SYRACUSE STANDARD SPECIFICATIONS OR DETAILS. THE MINIMUM THICKNESS OF EACH LAYER OF BINDER, TOP, SUBBASE AND CONCRETE BASE SHALL MATCH THOSE SHOWN ON STANDARD DETAILS OR MATCH EXISTING WHERE EXISTING CONDITIONS EXCEED MINIMUMS.
 - IN NO CASE SHALL THE TOP OF CONCRETE BASE BE HIGHER THAN THAT OF THE SURROUNDING EXISTING CONCRETE.
 - IF PAVEMENT MARKINGS OR SIGNAL LOOPS ARE DISTURBED OR DESTROYED THEY SHALL BE REPLACED IN ACCORDANCE WITH CITY OF SYRACUSE STANDARDS.
 - MATCH EXISTING PAVEMENT SLOPE.
 - IF, IN THE OPINION OF THE CONTRACTOR, THE EXISTING CONCRETE FOUNDATION IS IN POOR CONDITION, THE ENGINEER SHALL BE CONTACTED FOR PRIOR APPROVAL TO ELIMINATE DOWELS.

1 TYPICAL PIPE TRENCHING / ROAD RESTORATION DETAIL

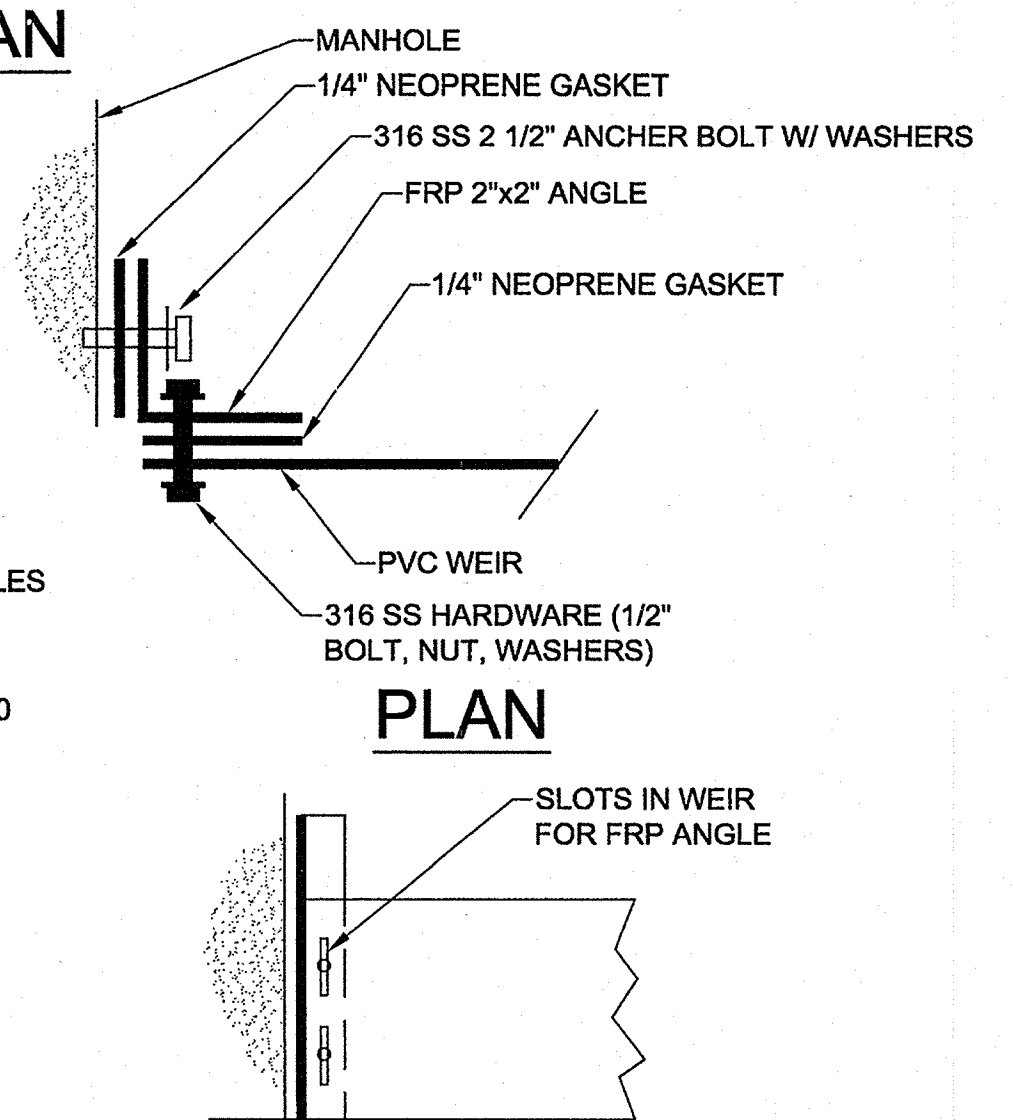
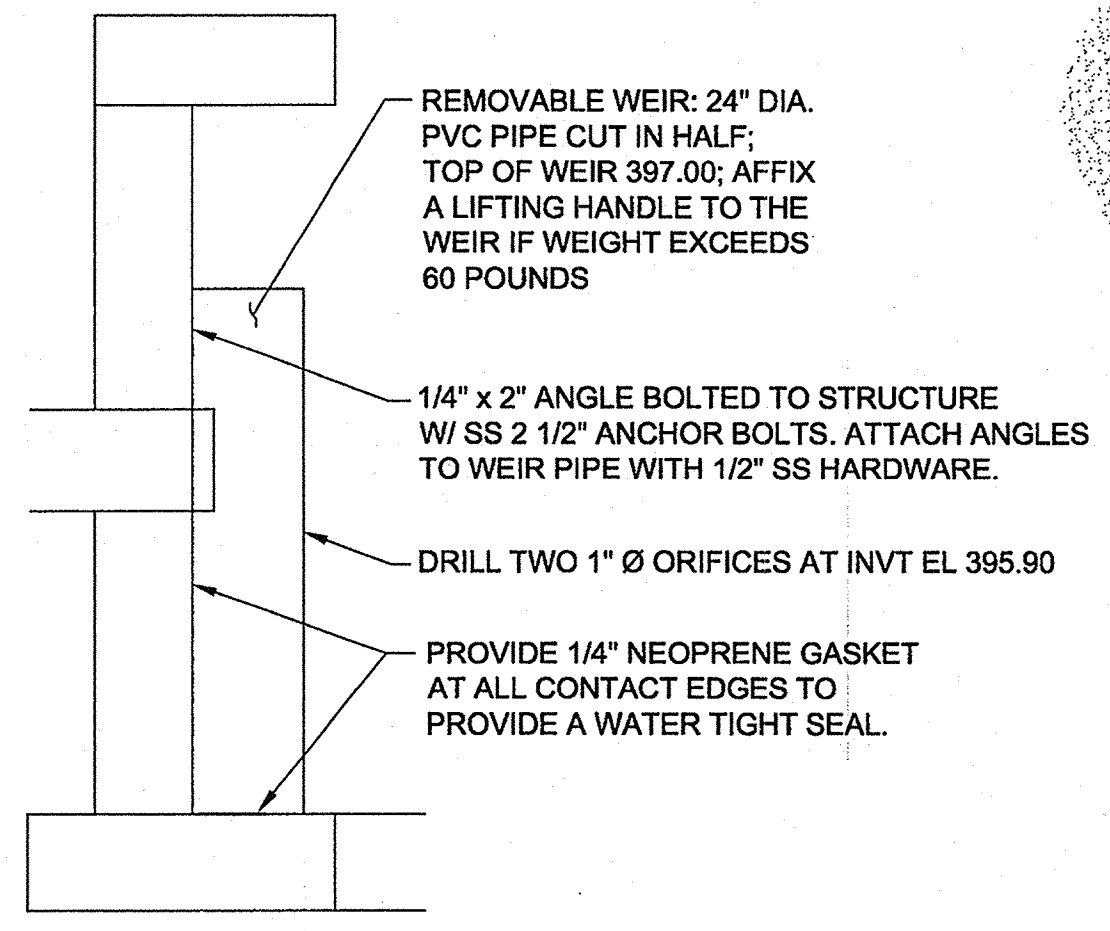
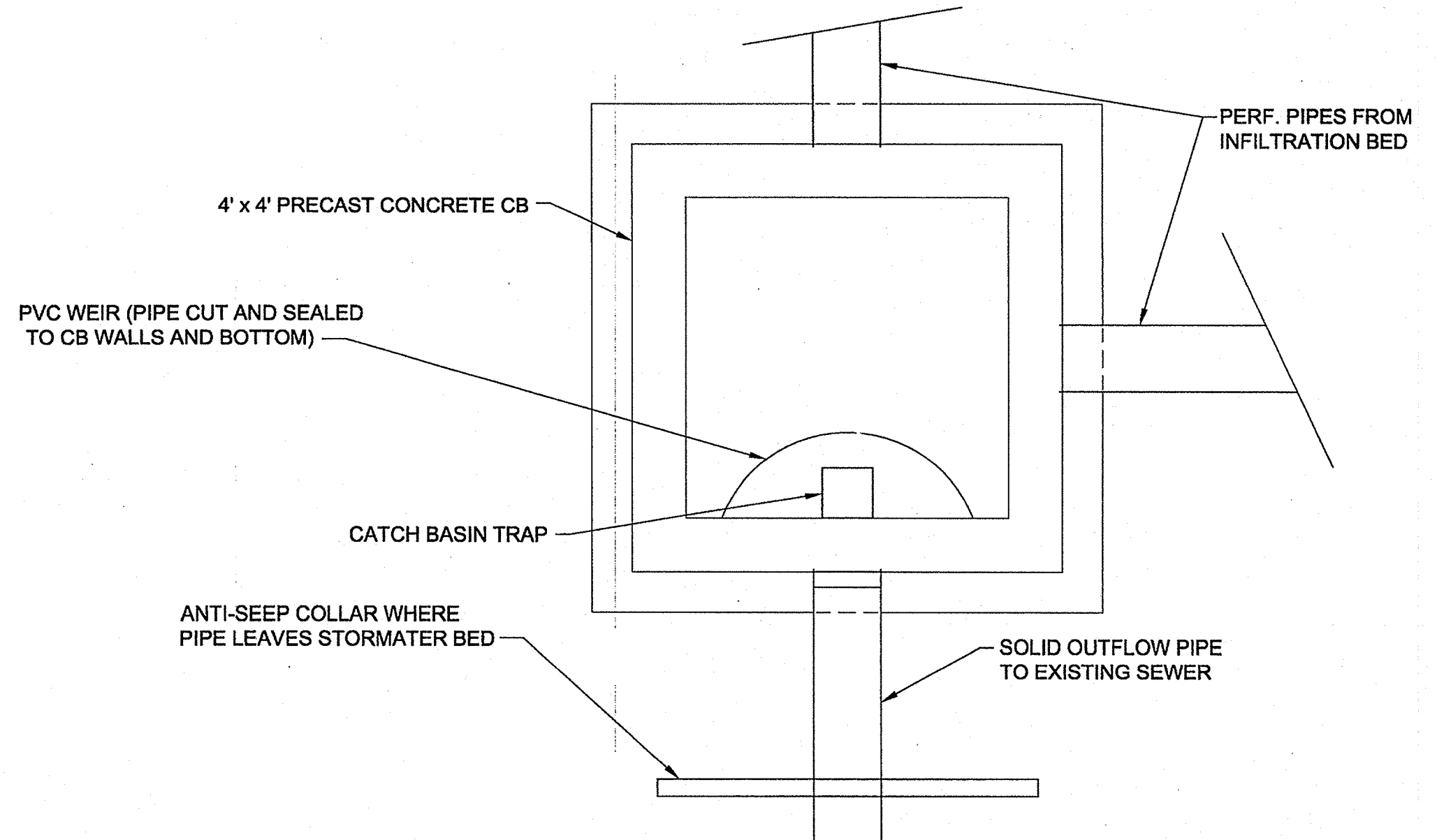


- NOTES:**
- INLET FILTER INSERT SHALL BE ULTRA URBAN FILTER BY ABTECH INDUSTRIES, OR APPROVED EQUAL.
 - INSTALL FILTER INSERT IN ALL NEW CURB INLETS.

2 INLET FILTER INSERT DETAIL



- NOTES:**
- PIPE CONFIGURATIONS VARY.
 - PROVIDE FLEXIBLE CONNECTOR, A-LOK OR EQUAL, AT ALL PIPE TO CATCH BASIN CONNECTIONS.



3 OVERFLOW STRUCTURE DETAIL

NO.	DATE	DR	REVISION	BY

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VERIFY SCALE
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SHEET	7 OF 9

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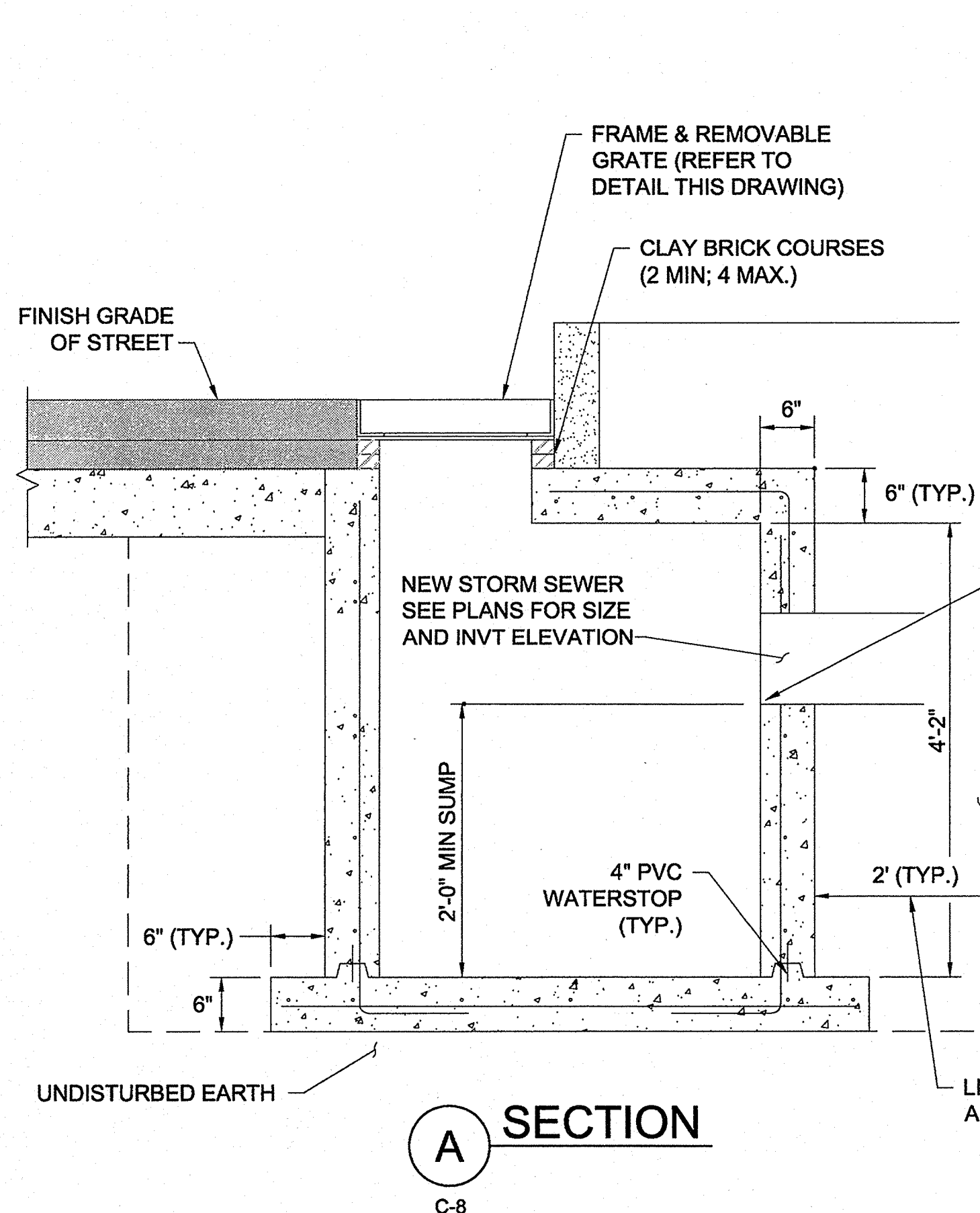


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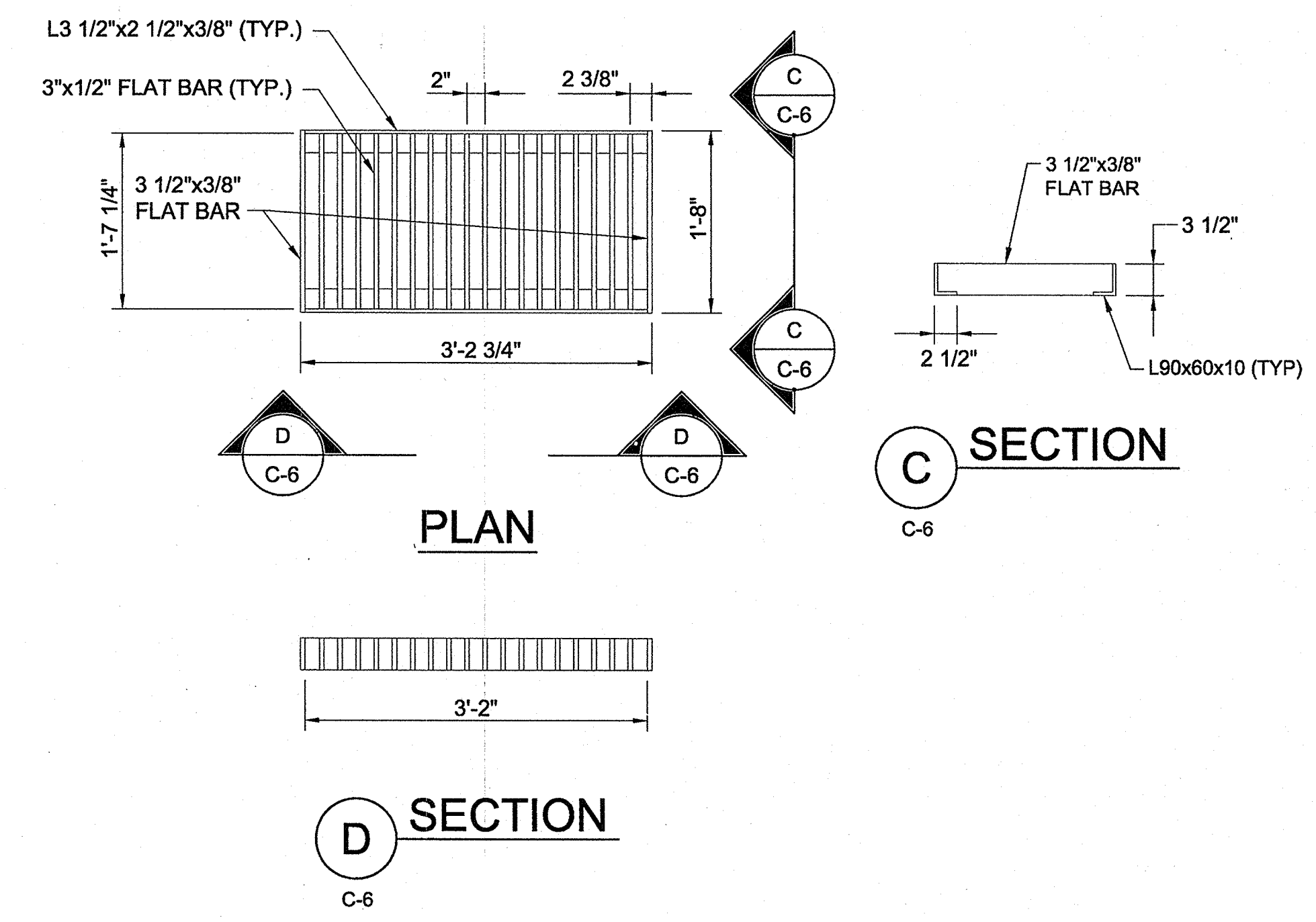
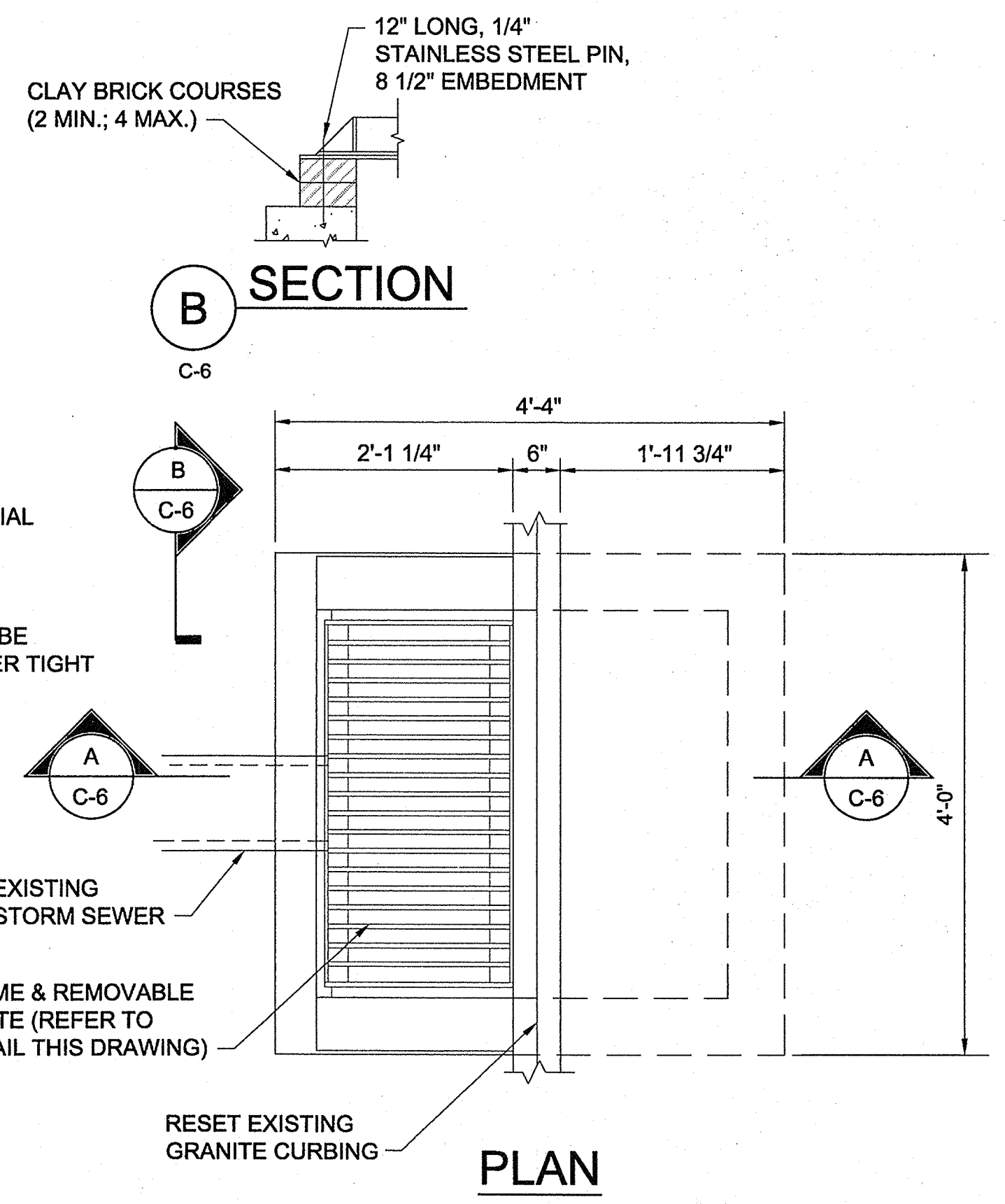
NO.	DATE	DR	REVISION	BY	APVD
DSGN		DM HECKLER	TG DUFFNEY	APVDS	DP WIBLE
			CHK		
			APVD		

CH2M HILL
 430 E. GENESEE STREET
 SUITE 400
 SYRACUSE, NY 13202

ISSUED FOR BIDDING AND CONSTRUCTION	VERIFY SCALE
	BAR IS ONE INCH ON ORIGINAL DRAWING.
	DATE MAY 2011
	PROJ 381098
DWG C-6	
SHEET 8 OF 9	



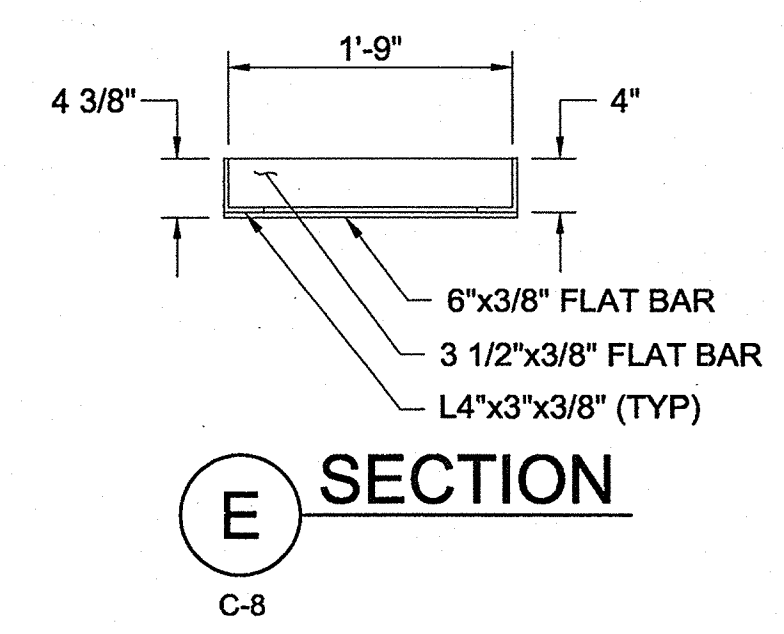
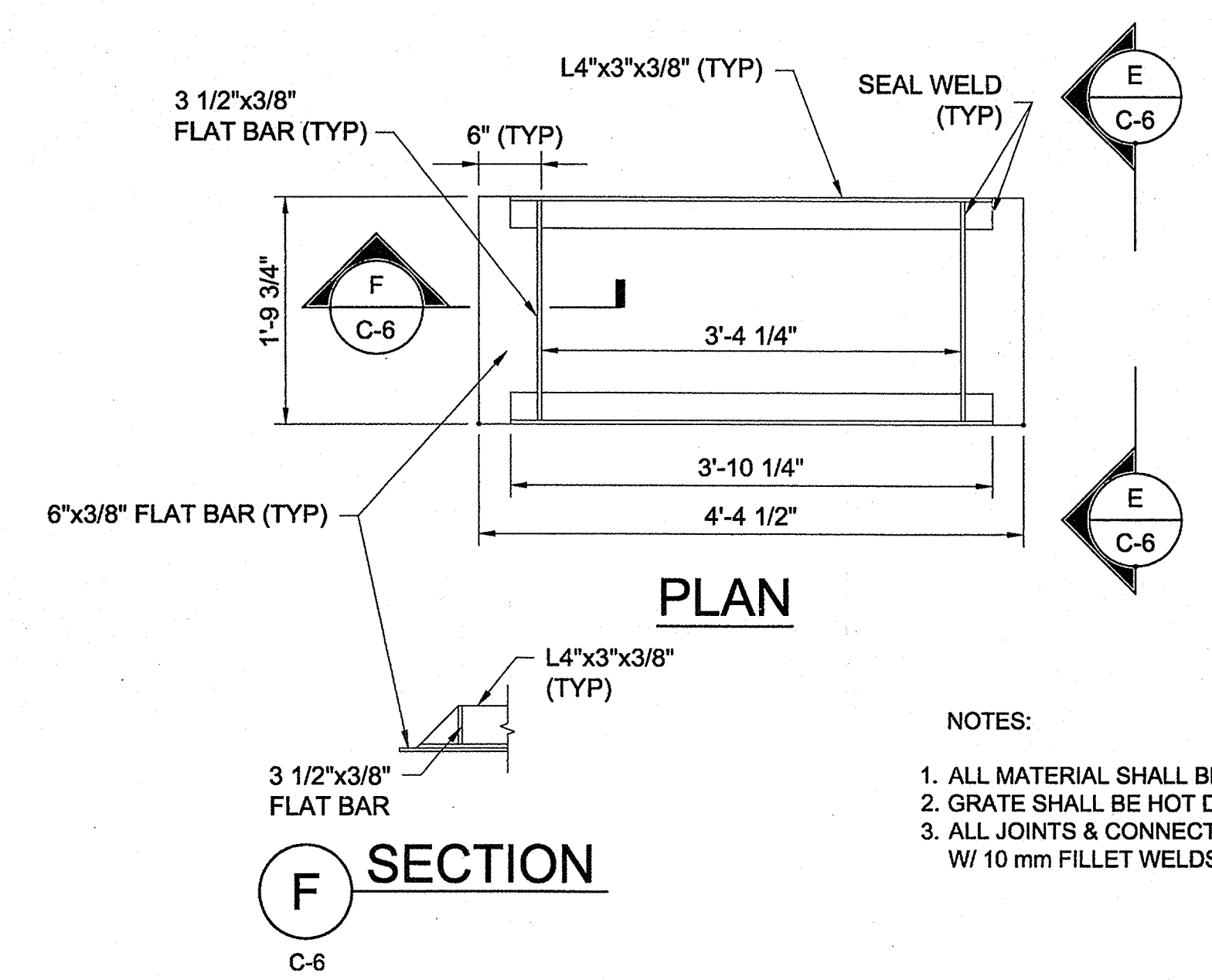
- NOTES:
- INSTALL SIX (6) 1"Ø WEEP HOLES AT BOTTOM OF CATCH BASIN, EXCEPT ON OUTLET SIDE OF REMOVABLE WEIR.



- NOTES:
- ALL MATERIAL SHALL BE ASTM A36 STEEL.
 - GRATE SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
 - ALL JOINTS & CONNECTIONS SHALL BE FULLY WELDED W/ 3/8" FILLET WELDS.

1 CURB INLET
C-1 NTS

2 CURB INLET GRATE DETAIL
C-6 NTS



- NOTES:
- ALL MATERIAL SHALL BE ASTM A36 STEEL.
 - GRATE SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
 - ALL JOINTS & CONNECTIONS SHALL BE CONTINUOUSLY WELDED W/ 10 mm FILLET WELDS ALL AROUND.

6 CURB INLET FRAME DETAIL
C-8 NTS

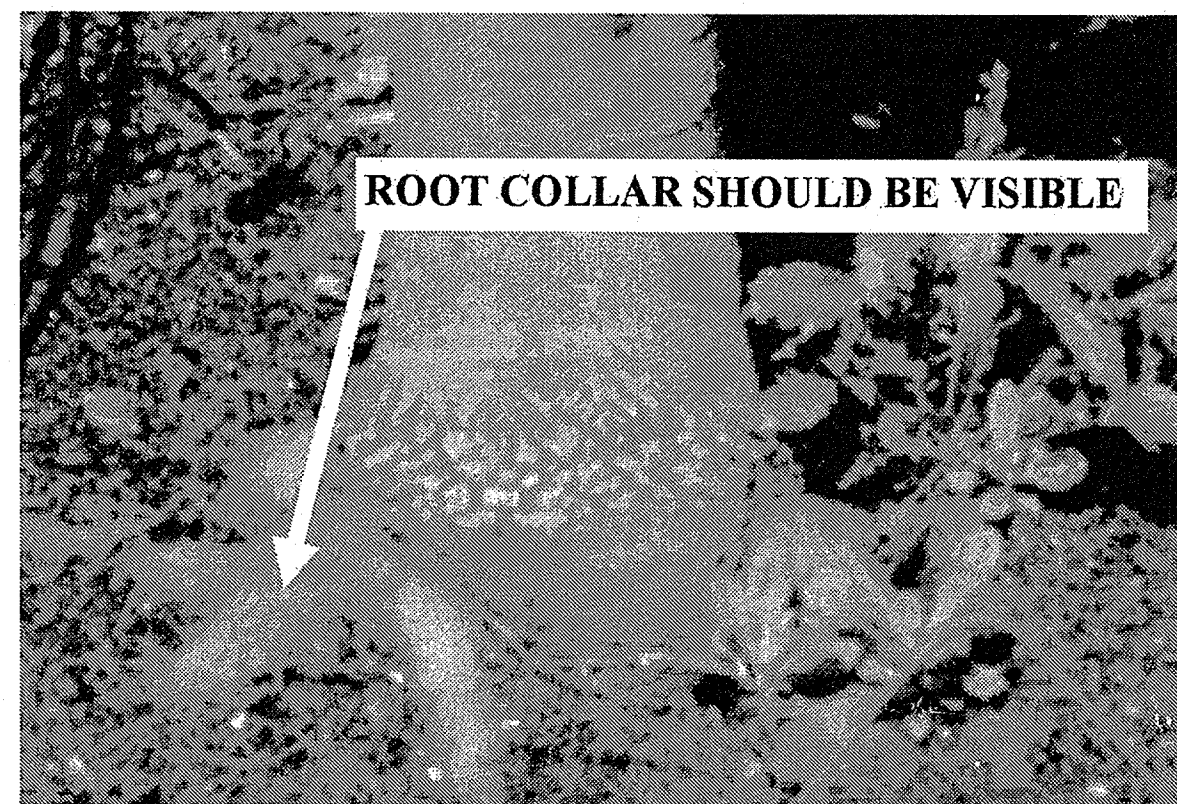
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 DETAILS

ATTENTION!

GROWERS & CONTRACTORS

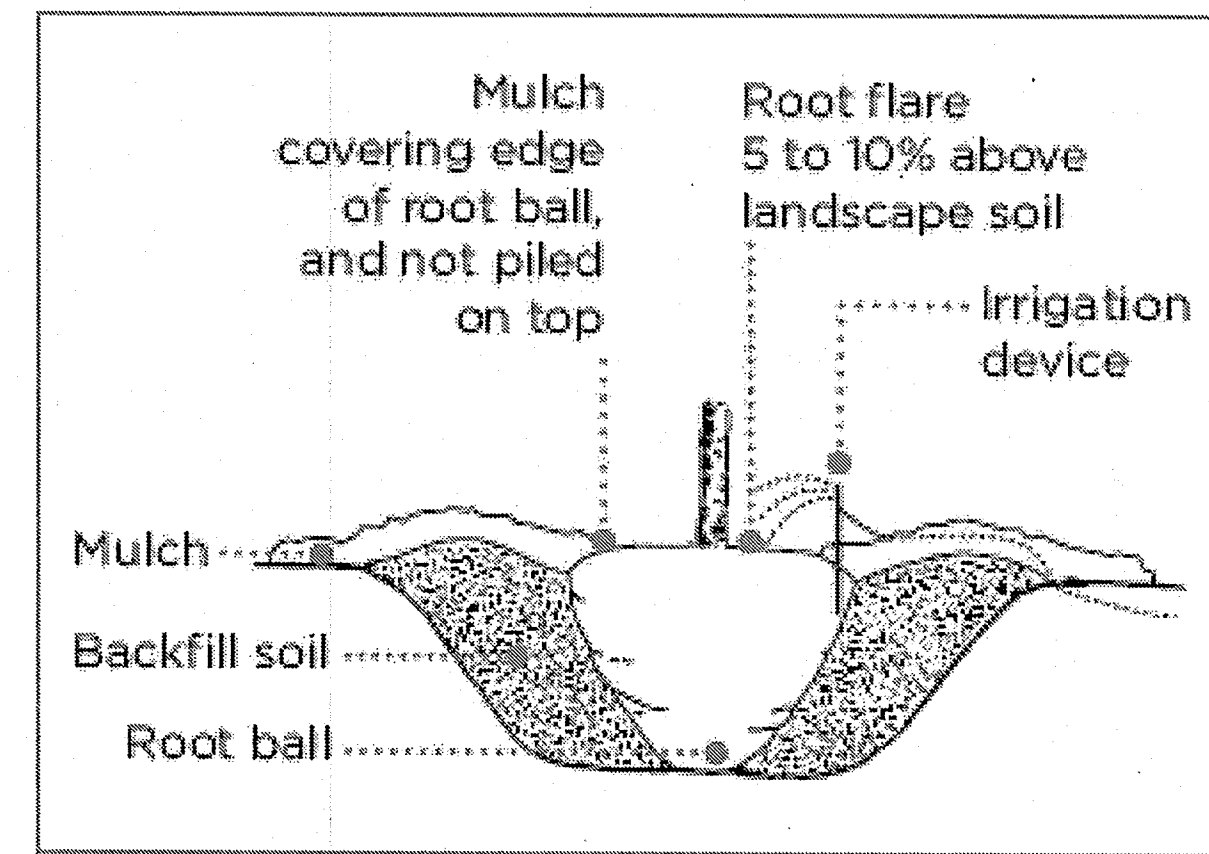
If you can't see the **ROOT COLLAR** of your tree in the field or at planting **IT IS PLANTED TOO DEEP!**

Trees shall be rejected or replanted if root collar is not visible at time of planting. See page 2 for instructions.



PLANTING INSTRUCTIONS

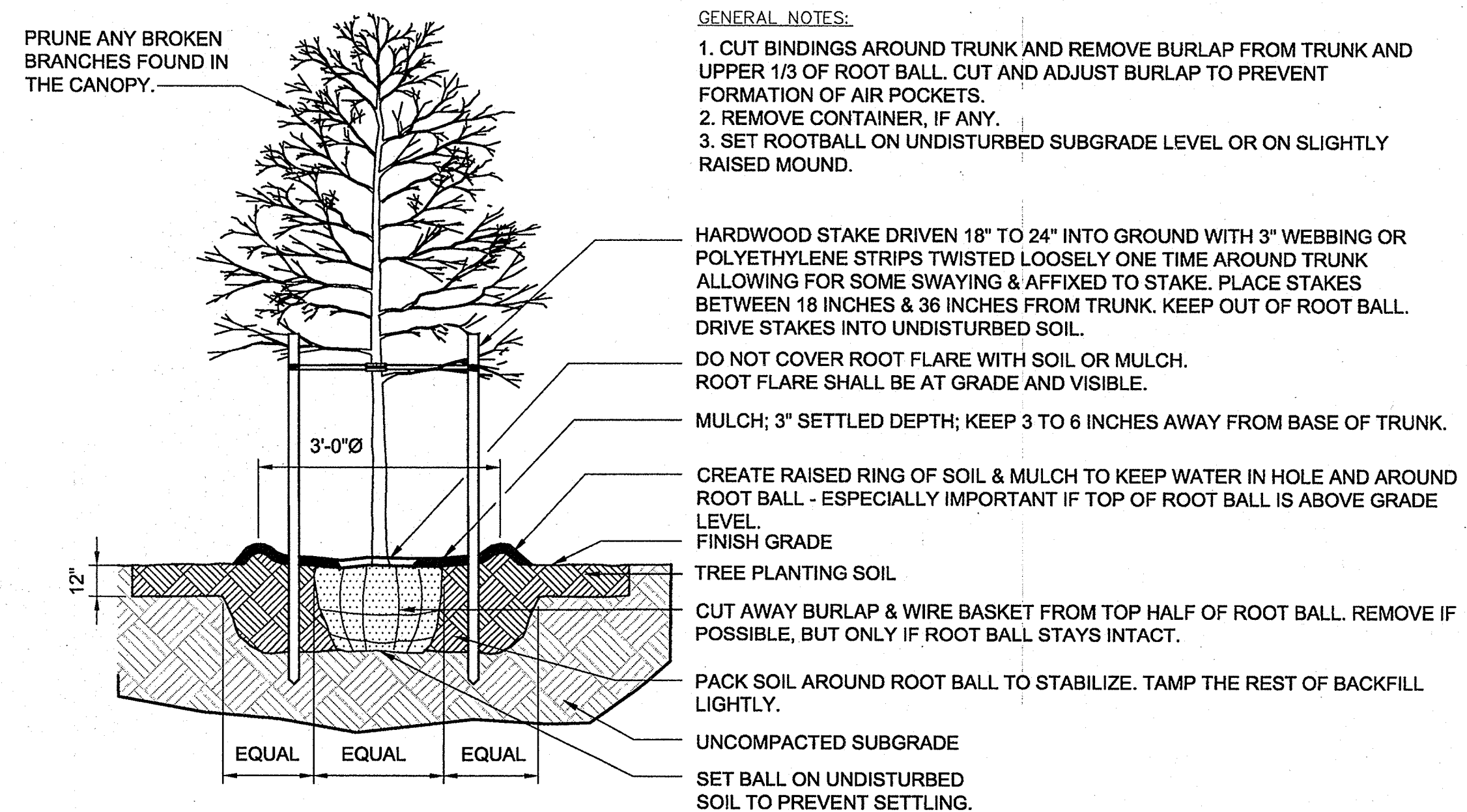
See: <http://hort.ifas.ufl.edu/woody/documents/EP314.pdf> for complete details



1. Dig Shallow and Wide Hole
2. Find top most structural root, remove excess soil and correct root defects (see page 3)
3. Carefully place tree in hole, lowering by root ball
4. Position top-most root, 1 to 2 inches above landscape soil
5. Straighten tree
6. Remove all synthetic materials (remove 1/2 to 2/3 of wire basket)
7. Add and firm backfill soil
8. Add mulch
9. Stake and prune if needed

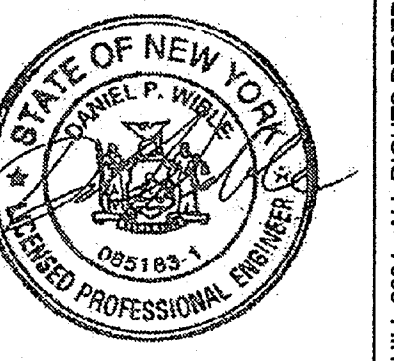
1 PLANTING INSTRUCTIONS

C-1 NTS



2 TREE PLANTING

C-1 NTS



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			CM O'REILLY	APVD
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LANDSCAPING DETAILS

VERIFY SCALE
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0 1"

DATE	MAY 2011
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