

1 TYPICAL STREET IMPROVEMENTS AND UTILITY LOCATIONS DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE CITY STANDARDS
 DRAWN BY: BB
 DESIGN BY: BB
 CHECKED BY: RCW
 LAST UPDATED: 2/11/2014
 DATE ADOPTED: 2/11/2014



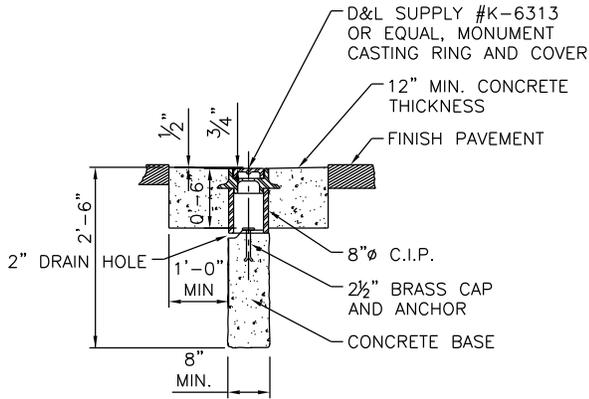
DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

STANDARD STREET IMPROVEMENTS AND UTILITY LOCATIONS

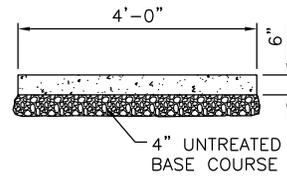
SHEET

1

NO.	REVISION DESCRIPTION	BY	DATE
1	UPDATED UTILITY LOCATIONS	BB	RCW 2/11/14

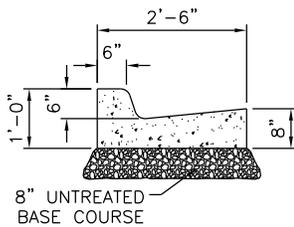


1 SURVEY MONUMENT SECTION
SCALE: NOT TO SCALE



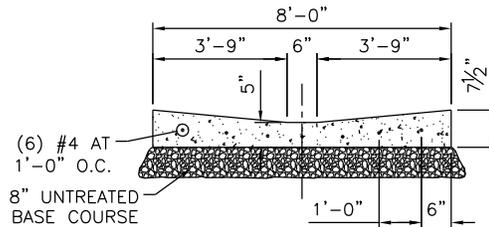
- NOTES:**
1. CRACK CONTROL JOINTS AT 4 FT.
 2. EXPANSION JOINTS AT 40 FT.
 3. 4" THICK SIDEWALK MAY BE INSTALLED IF A SITE PLAN IS PROVIDED TO THE CITY PRIOR TO CONSTRUCTION, BUT CONCRETE SHALL BE 6" THICK THRU DRIVEWAYS AND DESIGNATED VEHICLE CROSSINGS. IF A SITE PLAN IS NOT PROVIDED, 6" THICK CONCRETE MUST BE INSTALLED THROUGHOUT THE PROJECT.
 4. SIDEWALK MAY BE WIDER WHERE SPECIFIED BY CITY ENGINEERING DEPARTMENT.
 5. SIDEWALK WIDTH MAY VARY TO MEET MINIMUM ADA STANDARDS.

2 SIDEWALK SECTION
SCALE: NOT TO SCALE



- NOTES:**
1. CRACK CONTROL JOINTS AT 10 FT.
 2. EXPANSION JOINTS AT 50 FT.

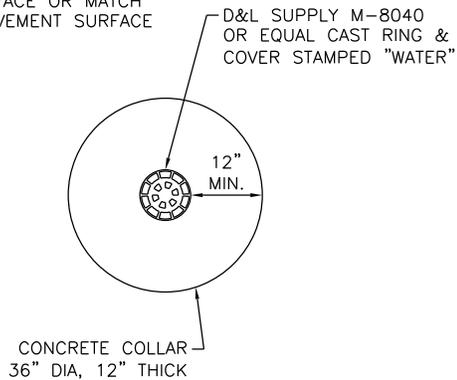
3 CURB AND GUTTER SECTION
SCALE: NOT TO SCALE



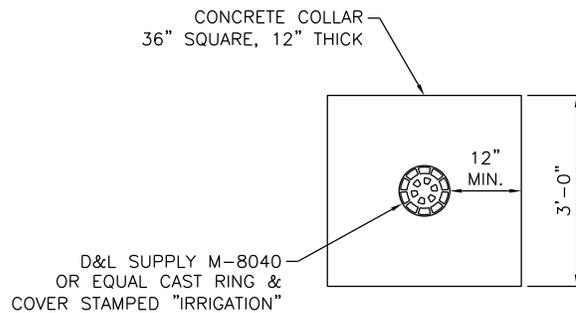
- NOTES:**
1. CONSTRUCTION AND EXPANSION JOINTS AT 5 FT.
 2. EXPANSION JOINTS AT EDGE OF APRON.
 3. CROSS DRAIN USED ONLY WHERE DIRECTED BY CITY.

4 CROSS DRAIN SECTION
SCALE: NOT TO SCALE

- NOTES:**
1. SURFACE SET 1/2" BELOW ASPHALT SURFACE OR MATCH CONCRETE PAVEMENT SURFACE



5 WATER VALVE BOX
SCALE: NOT TO SCALE



- NOTES:**
1. SURFACE SET 1/2" BELOW ASPHALT SURFACE OR MATCH CONCRETE PAVEMENT SURFACE

6 IRRIGATION VALVE BOX
SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

1	CLARIFIED SIDEWALK THICKNESS/WIDENED CROSS DRAIN	BB	RCW	2/11/14
NO.	REVISION DESCRIPTION	BY	APRJ	DATE

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014



DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

STREET IMPROVEMENT SECTIONS

SHEET

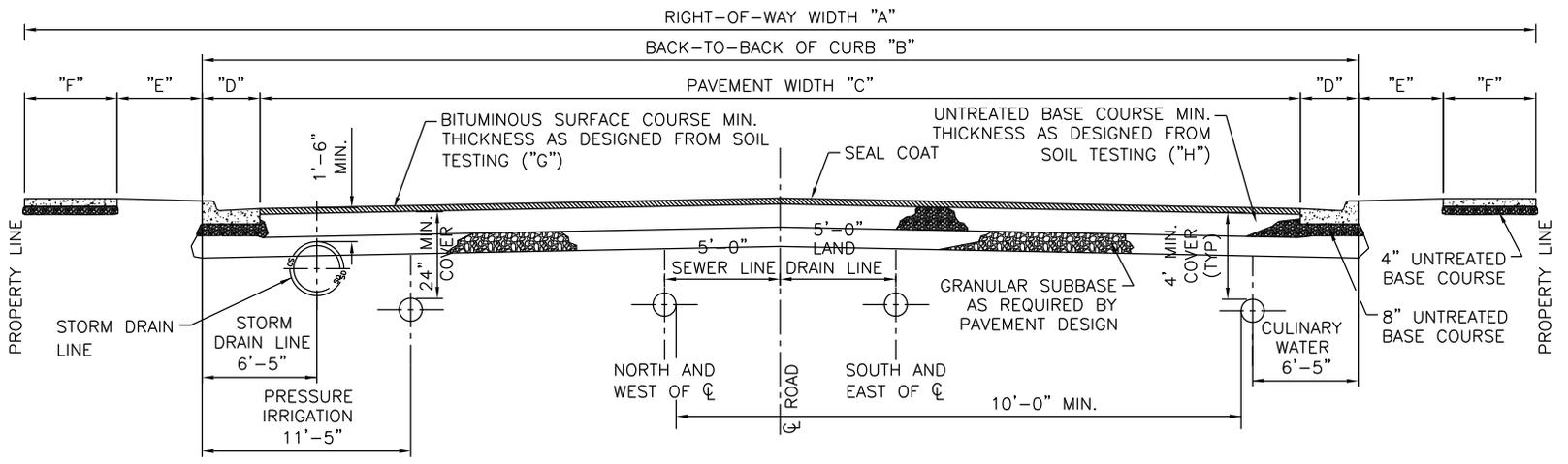
2

NO.	REVISION DESCRIPTION	BY	DATE	STATEMENT OF USE
1	DELETED WATER COLLECTOR/CHANGED UTILITY CONDITIONS	BB	RCW 2/11/14	THIS DOCUMENT AND ANY ATTACHED DRAWINGS SHALL BE CONSIDERED AS STANDING CONDITIONS AND SHALL BE SUBJECT TO THE CITY STANDARDS FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY CORPORATION. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.
		BB	RCW 2/11/14	DESIGN BY: BB
		RCW	2/11/14	CHECKED BY: RCW
			2/11/2014	LAST UPDATED: 2/11/2014
			2/11/2014	DATE ADOPTE: 2/11/2014



DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION
 STANDARD STREET SECTION

SHEET
 3



TYPICAL STREET DIMENSIONS

STREET DESIGNATION	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
ARTERIAL	110	91'	86'	2.5'	*3.0'	*4.0'	NOTE 2	NOTE 2
MINOR ARTERIAL	84'	66'	61'	2.5'	*5.0'	4.0'	NOTE 2	NOTE 2
COLLECTOR	66'	50'	45'	2.5'	*4.0'	4.0'	NOTE 2	NOTE 2
LOCAL	60'	40'	35'	2.5'	*6.0'	4.0'	*3"	*10"
LOW VOLUME LOCAL	60'	30'	25'	2.5'	*11.0'	4.0'	*3"	*10"

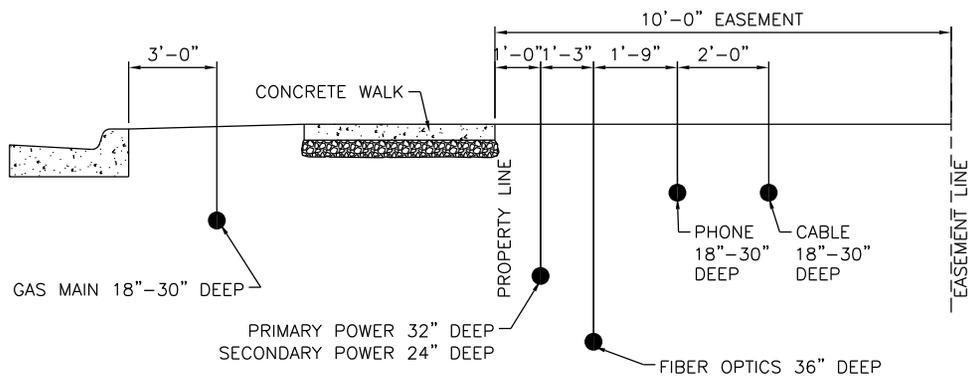
*MINIMUM REQUIREMENT

NOTES:

1. TOP BACK OF CURB ON BOTH SIDES OF ROAD TO BE SAME ELEVATIONS.
2. THE CITY ENGINEER SHALL VERIFY PAVEMENT DESIGN PRESCRIBED BY SOILS REPORT (SEE SPECIFICATIONS).
3. COMMERCIAL AND INDUSTRIAL STREET SECTIONS ARE DETERMINED BASED ON A TRAFFIC ANALYSIS FOR THE PARTICULAR USE.
4. VARIATIONS IN TYPICAL STREET DIMENSIONS MAY BE CONSIDERED BY THE CITY WHERE PHYSICAL CONSTRAINTS OF THE NATURAL LAND OR CREATING ENHANCEMENTS WOULD PREVENT THE ABILITY TO FOLLOW ESTABLISHED DIMENSIONS.

1 STANDARD STREET SECTION

SCALE: NOT TO SCALE



A UTILITY EASEMENT SECTION

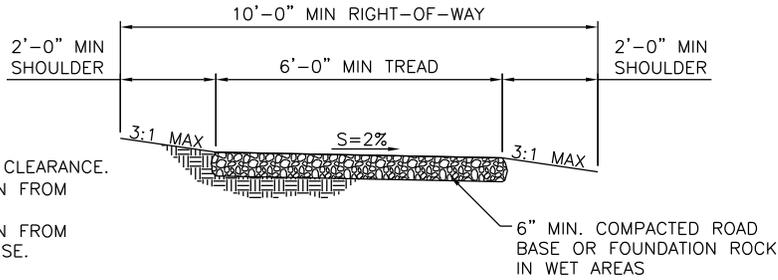
SCALE: NOT TO SCALE

LOW VOLUME LOCAL STREET DESIGN MAY ONLY BE USED WHEN THE FOLLOWING CRITERIA IS SATISFIED:

1. TRAFFIC VOLUME IS 400 VEHICLES PER DAY OR LESS.
2. PARKING IS PROHIBITED ON THE STREET. OFF STREET PARKING DEMANDS MUST BE SATISFIED.

TYPICAL SURFACE TREATMENT APPLICATIONS

HIGH DENSITY MINERAL BOND SEAL: PARKING LOT, PAVED TRAIL, LOW VOLUME LOCAL, LOCAL STREET
 CHIP & FOG: COLLECTOR, ARTERIAL



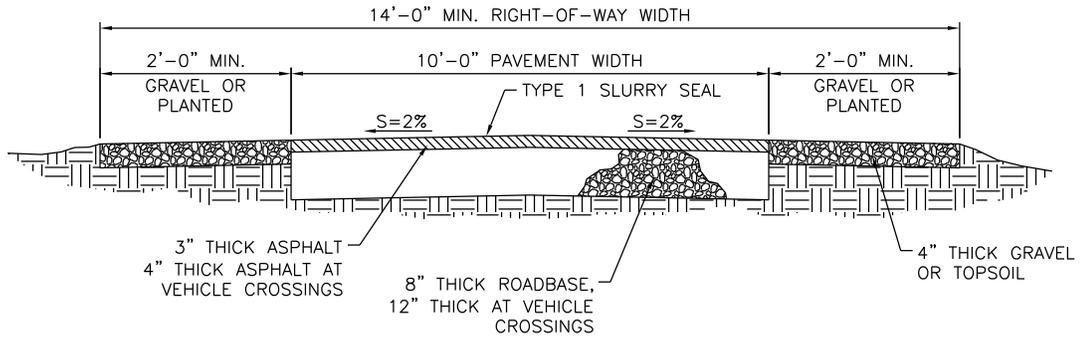
NOTES:

1. MAINTAIN 10' MIN VERTICAL CLEARANCE.
2. MAINTAIN 3' MIN SEPARATION FROM VERTICAL WALL OR FENCE.
3. MAINTAIN 4' MIN SEPARATION FROM TRAILS ALLOWING BICYCLE USE.

3

STANDARD EQUESTRIAN TRAIL SECTION

SCALE: NOT TO SCALE



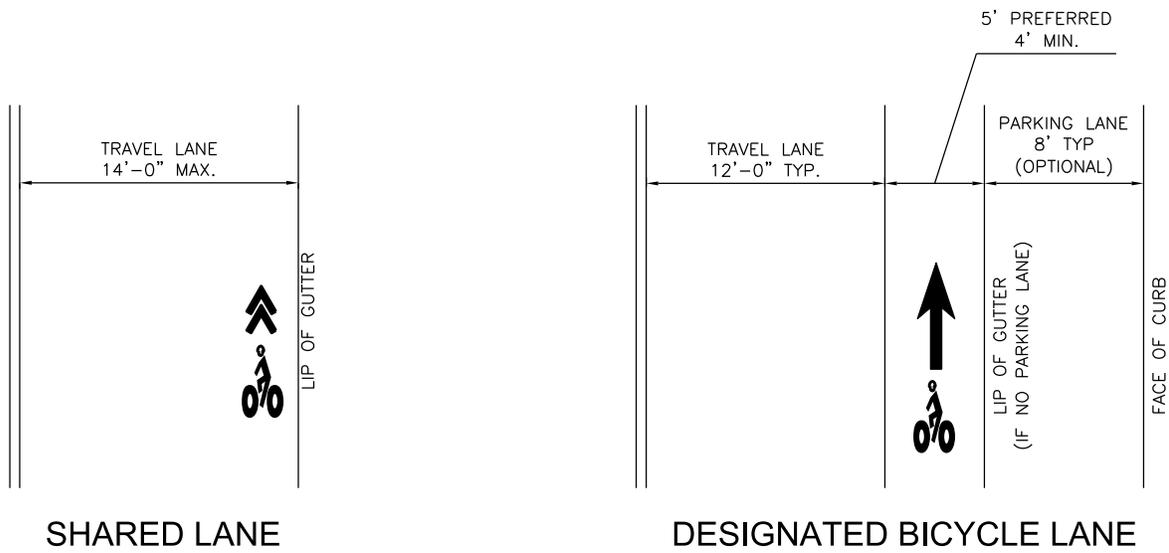
NOTE:

CROWN IN ASPHALT IS NOT REQUIRED. A 2% CROSS-SLOPE IS REQUIRED WITH OR WITHOUT A CROWN IN THE ASPHALT. CROSS-SLOPES WITHOUT A CROWN MUST BE SLOPED IN A DIRECTION TO DIRECT SURFACE WATER TOWARD THE NEAREST STORM DRAIN COLLECTION.

2

STANDARD TRAIL SECTION

SCALE: NOT TO SCALE



1

BICYCLE LANE DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	11/1/2011
DATE ADOPTED:	2/14/2012



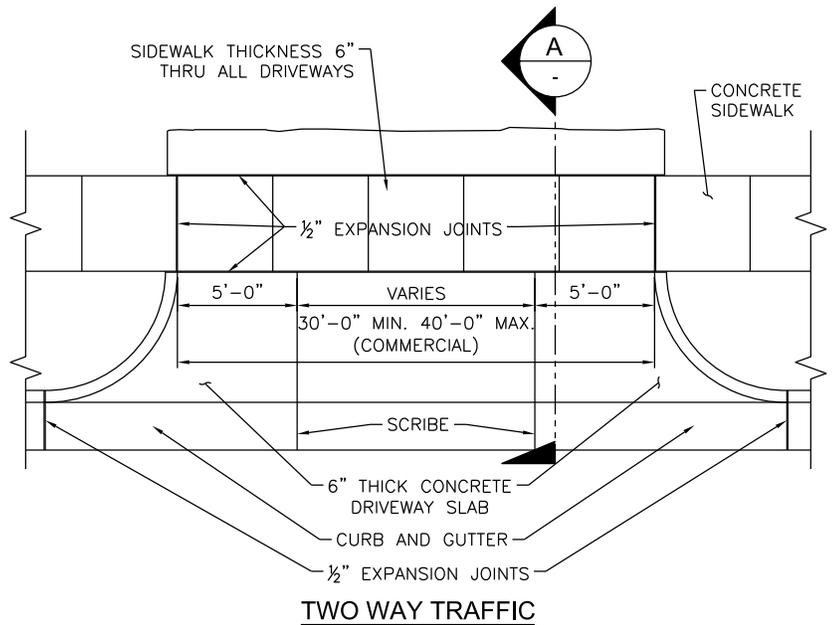
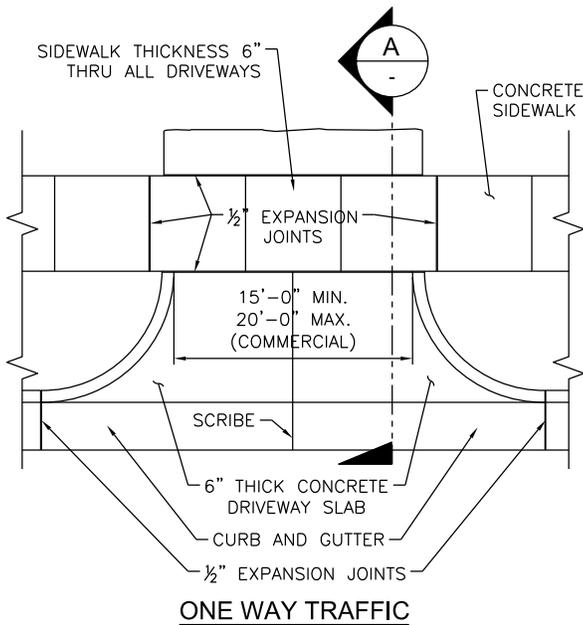
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

STANDARD TRAIL SECTION

SHEET

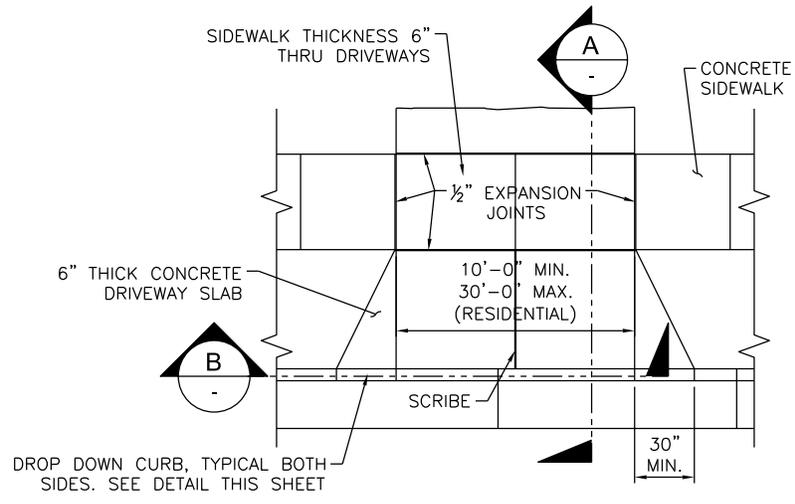
4

NO.	REVISION DESCRIPTION	BY	APR	DATE

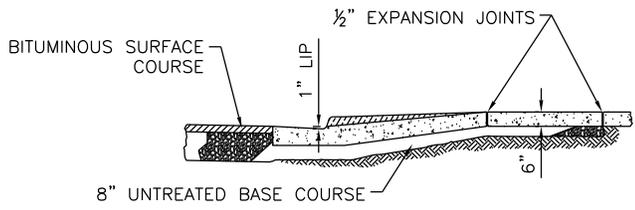


1 TYPE 1 DRIVEWAY APPROACH DETAIL
SCALE: NOT TO SCALE (PREFERRED STYLE FOR COMMERCIAL DEVELOPMENT)

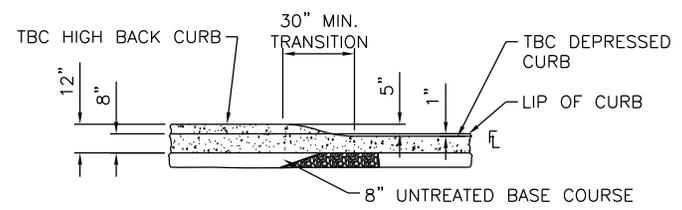
- NOTE:**
1. SCRIBE SIDEWALK 1/2" DEPTH AT EACH 4'-0".
 2. EXPANSION JOINT AT EACH 32'-0".
 3. CURB AND GUTTER EXPANSION JOINT AT EACH 50'.
 4. CURB AND GUTTER CONSTRUCTION JOINT AT EACH 10'.



2 TYPE 2 DRIVEWAY APPROACH DETAIL
SCALE: NOT TO SCALE (PREFERRED STYLE FOR RESIDENTIAL DEVELOPMENT)



A DRIVEWAY APPROACH SECTION
SCALE: NOT TO SCALE



B DRIVEWAY APPROACH SECTION
SCALE: NOT TO SCALE

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

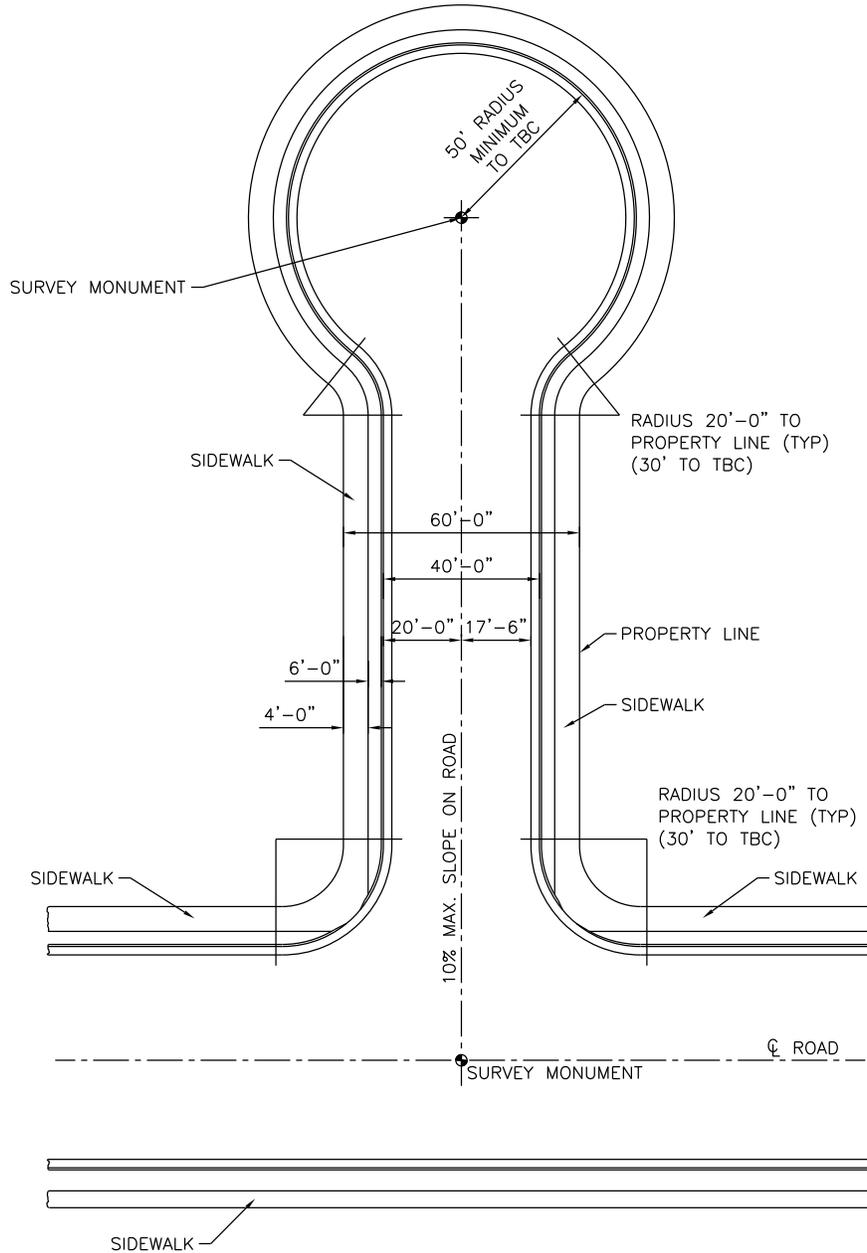
NO.	REVISION DESCRIPTION	BY	DATE

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	11/1/2011
DATE ADOPTED:	2/14/2012



CUL-DE-SAC NOTES:

1. 500'-0" MAX. DISTANCE FROM CENTERLINE OF ADJOINING STREET TO RADIUS OF CUL-DE-SAC. LENGTHS EXCEEDING THIS UP TO 800'-0" MAY BE CONSIDERED UNDER 8.03.010.12.
2. CUL-DE-SAC SHOULD BE USED ONLY WHERE UNUSUAL CONDITIONS EXIST.
3. A CUL-DE-SAC TURNABOUT IS REQUIRED WHEN PUBLIC AND PRIVATE DEAD-END STREETS EXCEED ONE LOT UP TO A MAX OF 150 FEET.
4. STREET SLOPES GREATER THAN 10% MUST RECEIVE WRITTEN APPROVAL FROM FIRE DISTRICT.



TEMPORARY TURN-AROUND NOTES:

IN AREAS WHERE ROADS LONGER THAN ONE LOT ARE MASTER-PLANNED TO EXTEND AT A FUTURE TIME, A TEMPORARY TURN-AROUND SHALL BE USED WITH THE FOLLOWING REQUIREMENTS:

1. TEMPORARY TURN-AROUNDS SHALL BE HARD-SURFACED AND MATCH THE PAVEMENT DESIGN OF THE CONNECTING ROAD.
2. TEMPORARY TURN-AROUNDS SHALL MATCH THE GEOMETRIC LAYOUT OF A TYPICAL CUL-DE-SAC WITH THE EXCEPTION FOR MAXIMUM LENGTH.
3. CURB, GUTTER, AND SIDEWALK IMPROVEMENTS SURROUNDING THE TEMPORARY TURN-AROUND MAY NOT BE REQUIRED IF PROOF IS PROVIDED TO THE CITY THAT PERMANENT IMPROVEMENTS WILL BE INSTALLED WITHIN TWO YEARS FROM THE CITY'S ACCEPTANCE OF THE TEMPORARY TURN-AROUND.
4. A PROJECT OR DEVELOPMENT INVOLVING THE CONNECTION OF A NEW STREET TO A TEMPORARY TURN-AROUND SHALL BEAR THE RESPONSIBILITY AND COSTS TO REMOVE THE TEMPORARY TURN-AROUND AND RE-ESTABLISH THE IMPROVEMENTS NECESSARY TO MAKE A PROPER CONNECTION.

1 TYPICAL CUL-DE-SAC DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: **BB**
DESIGN BY: **BB**
CHECKED BY: **RCW**
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014



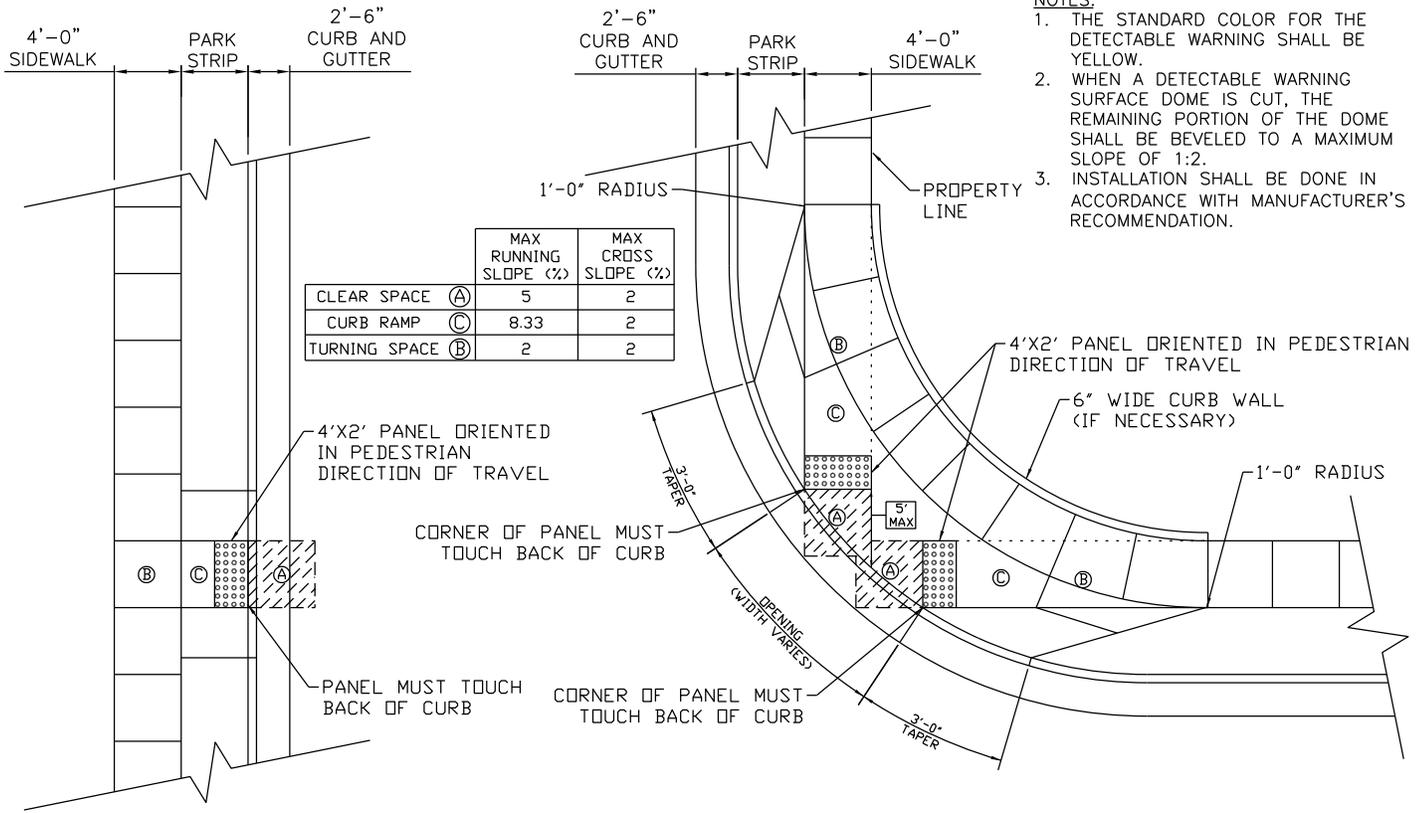
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

TYPICAL CUL-DE-SAC

SHEET

6

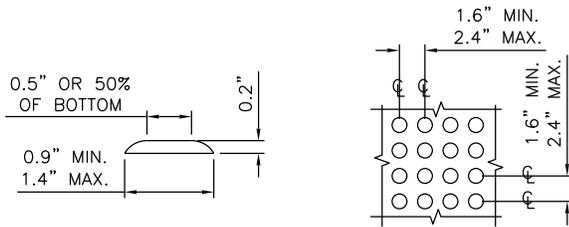
NO.	UPDATED LENGTH TO MATCH CURRENT ORDINANCE	BY	DATE
1		BB RCW	2/11/14
	REVISION DESCRIPTION	BY	APR DATE



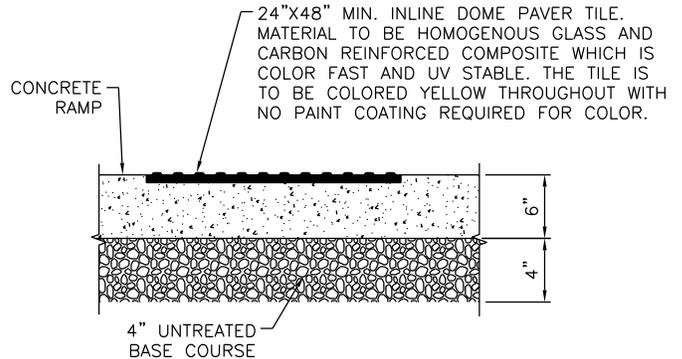
- NOTES:**
1. THE STANDARD COLOR FOR THE DETECTABLE WARNING SHALL BE YELLOW.
 2. WHEN A DETECTABLE WARNING SURFACE DOME IS CUT, THE REMAINING PORTION OF THE DOME SHALL BE BEVELED TO A MAXIMUM SLOPE OF 1:2.
 3. INSTALLATION SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

1 A.D.A. WHEELCHAIR RAMP DETAIL
SCALE: NOT TO SCALE

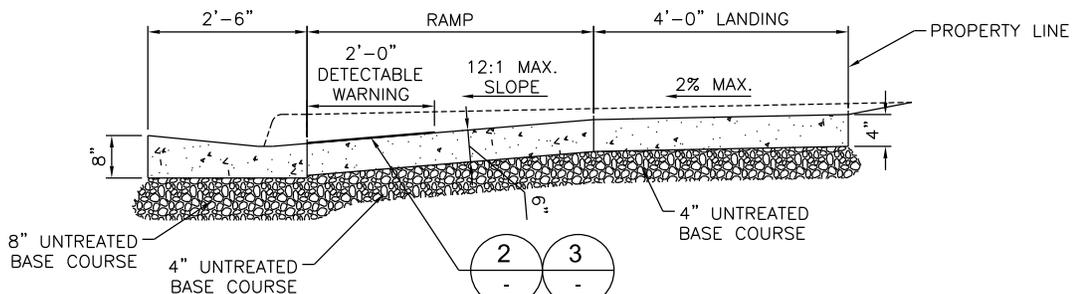
THIS DETAIL IS MEANT TO BE A SUPPLEMENT TO THE APWA MANUAL OF STANDARD PLANS. ANY DISCREPANCY BETWEEN THIS PLAN AND THE MOST CURRENT APWA STANDARD, THE APWA STANDARD SHALL GOVERN.



2 RAISED TRUNCATED DOMES DETAIL
SCALE: NOT TO SCALE



3 INLINE DOME PAVER TILE DETAIL
SCALE: NOT TO SCALE



A A.D.A. WHEELCHAIR RAMP SECTION
SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014



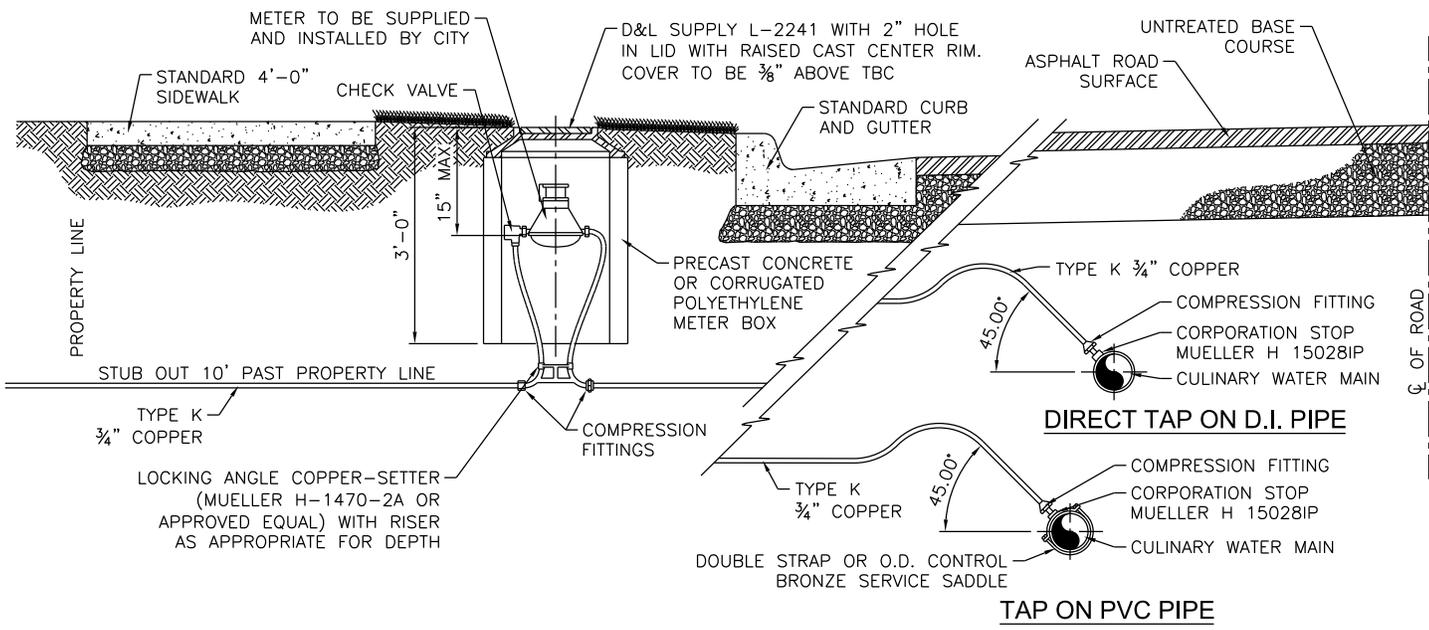
DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

A.D.A. WHEELCHAIR RAMP DETAIL

SHEET

7

NO.	REVISION DESCRIPTION	BY	DATE
1	UPDATED TO MEET CURRENT ADA STANDARDS	BB RCW	2/11/14
		BY	APR
		DATE	

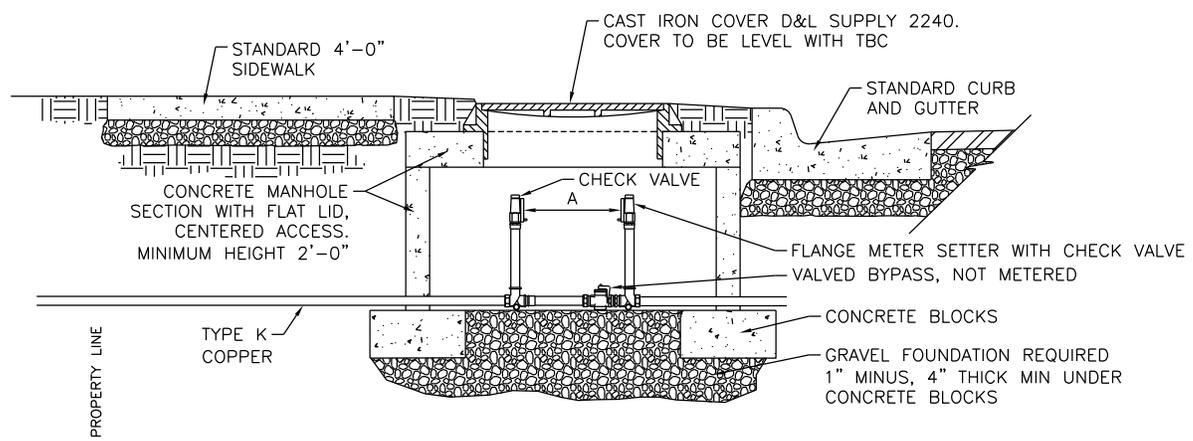


SYRACUSE CITY CORPORATION WATER SERVICE INFORMATION

SERVICE SIZE	METER BOX SIZE	TYPE OF MATERIAL FOR METER BOX	METER BOX SIZE	CONNECTION TYPE	BYPASS
3/4"	18" DIA.	CONCRETE, CORRUGATED POLYETHYLENE	BY CITY	NPT	NO
1"	24" DIA.	CONCRETE, CORRUGATED POLYETHYLENE	BY CITY	NPT	NO
1 1/2"	48" BOX	CONCRETE	BY CITY	FLANGE	YES
2"	48" BOX	CONCRETE	BY CITY	FLANGE	YES
**>2"	RECT. BOX	CONCRETE	BY CITY	FLANGE	YES

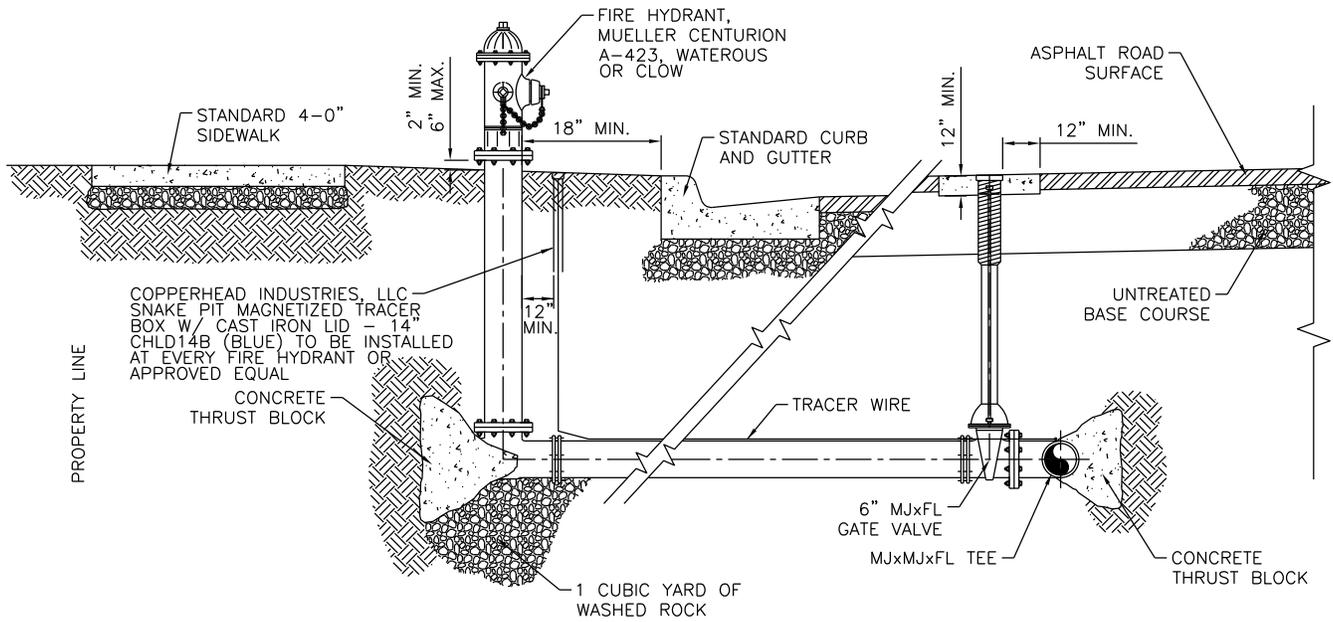
**METER & BOX SHALL BE INSTALLED PER 2012 APWA STANDARD PLAN BASED ON THE METER SIZE:
 3" COMPOUND METER - PLAN 523
 4" COMPOUND METER - PLAN 523
 6" COMPOUND METER - PLAN 525
 8" COMPOUND METER - PLAN 527
 10" TURBO METER - PLAN 529

1 TYPICAL WATER CONNECTION
 SCALE: NOT TO SCALE



NOTE:
 METER TO BE SUPPLIED
 AND INSTALLED BY CITY.

2 TYPICAL FLANGED METER SETTER WATER CONNECTION
 SCALE: NOT TO SCALE



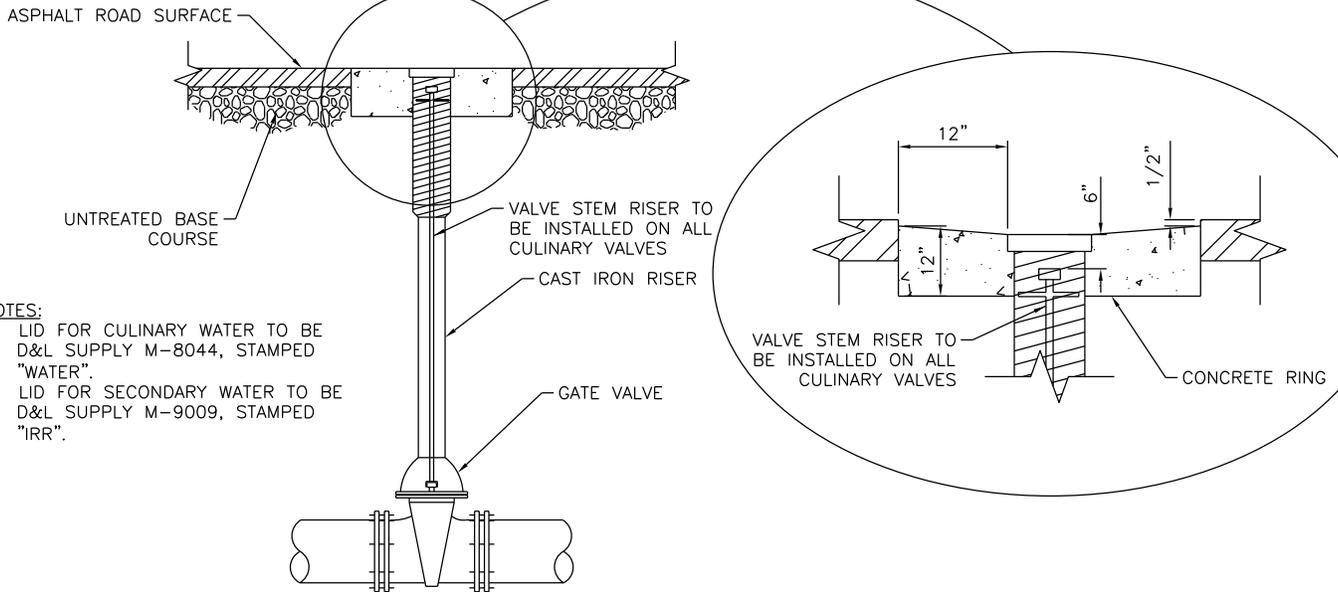
NOTES:

1. THRUST BLOCK SHALL NOT PLUG WEEP HOLES.
2. HYDRANT SHALL STAND PLUMB WITH PUMPER NOZZLE FACING THE STREET.
3. TYPICAL SPACING BETWEEN FIRE HYDRANTS IS 400 FEET.
4. HYDRANTS SHALL NOT BE LOCATED AT THE END OF A CUL-DE-SAC FACING THE TRAVEL PATH ENTERING THE CUL-DE-SAC.

2

TYPICAL FIRE HYDRANT CONNECTION DETAIL

SCALE: NOT TO SCALE



NOTES:

1. LID FOR CULINARY WATER TO BE D&L SUPPLY M-8044, STAMPED "WATER".
2. LID FOR SECONDARY WATER TO BE D&L SUPPLY M-9009, STAMPED "IRR".

1

TYPICAL WATER VALVE DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

1	CLARIFIED VALVE STEM RISERS/ADDED TEST STATION	BB	RCW	2/11/14
NO.	REVISION DESCRIPTION	BY	APR	DATE

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014



**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

TYPICAL FIRE HYDRANT CONNECTION DETAIL

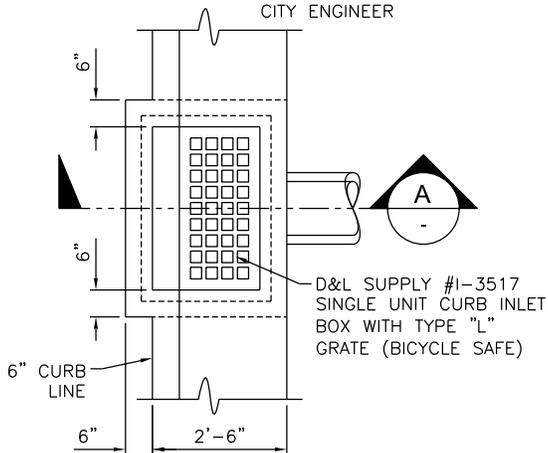
SHEET

9

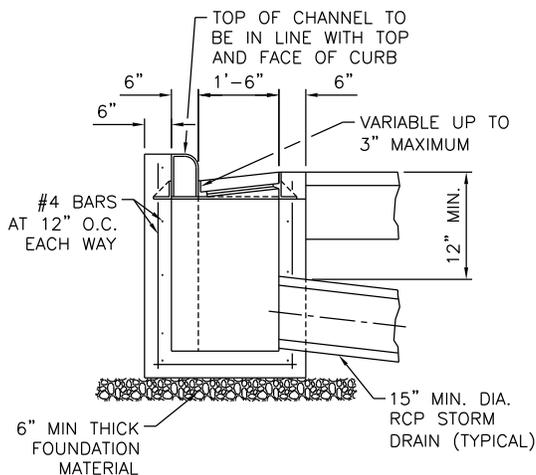
GENERAL NOTES:

1. ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
2. REINFORCEMENT STEEL SHALL BE DEFORMED BARS CONFORMING IN QUALITY TO THE REQUIREMENTS OF ASTM DESIGNATION A-615, GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENTS (S1).
3. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI-315, LATEST EDITION.
4. TOLERANCES IN PLACING REINFORCEMENT SHALL BE:
 - ± 3/8 INCH FOR MEMBERS WITH D < 8 INCHES
 - ± 1/2 INCH FOR MEMBERS WITH D >= 8 INCHES
5. DOWELS, PIPES, WATERSTOPS AND OTHER INSTALLED MATERIALS AND ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
6. UNLESS OTHERWISE SHOWN, ASIDE FROM NORMAL ACCESSORIES USED TO HOLD REINFORCING BARS FIRMLY IN POSITION, THE FOLLOWING SHALL BE ADDED:
 - A. IN SLABS #5 RISER BARS AT 36 INCHES O.C. MAXIMUM TO SUPPORT TOP REINFORCING BARS.
 - B. IN WALLS WITH 2 CURTAINS #3 U OR Z SHAPE SPACES AT 6 FEET O.C. EACH WAY.
7. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUBGRADE. CONCRETE BLOCKS (OR DOBBIES) SUPPORTING BARS ON SUBGRADE SHALL BE IN SUFFICIENT NUMBERS TO SUPPORT THE BARS WITHOUT SETTLEMENT, BUT IN NO CASE SHALL SUCH SUPPORT BE CONTINUOUS.
8. DOWELS SHALL BE WIRED OR OTHERWISE HELD IN POSITION. THEY SHALL NOT BE SHOVED INTO FRESHLY PLACED CONCRETE.
9. REINFORCED BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY PIPE, PIPE FLANGE OR METAL PARTS EMBEDDED IN CONCRETE, A MINIMUM OF 2 INCHES CLEARANCE SHALL BE PROVIDED AT ALL TIMES.
10. STRUCTURES SHALL BE BACKFILLED WITH GRANULAR SOIL.
11. ALL CONSTRUCTION JOINTS SHALL BE ROUGHED AND CLEANED AND FREE OF LAITANCE.
12. STRUCTURES HAVE BEEN DESIGNED FOR THE FOLLOWING; IF CONDITIONS ARE EXCEEDED THE ENGINEER SHALL BE NOTIFIED.
 - A. AASHTO HS-20 TRUCK LOAD
 - B. 1'-6" MAX. SOIL ABOVE THE ROOF OF THE STRUCTURE
 - C. GROUND WATER TO TOP OF STRUCTURE
 - D. "AT-REST" LATERAL SOIL PRESSURE OF 60 PCF FOR DRY SOIL CONDITIONS AND 92.4 PCF WHEN GROUND WATER IS PRESENT

NOTE:
USE ONLY WHERE DIRECTED BY
CITY ENGINEER



PLAN

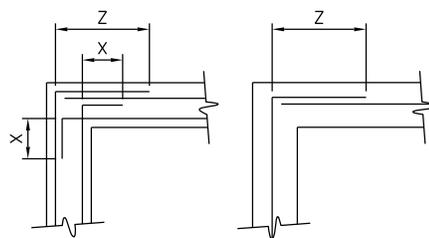


SECTION A

1

ALTERNATE CATCH BASIN

SCALE: NOT TO SCALE

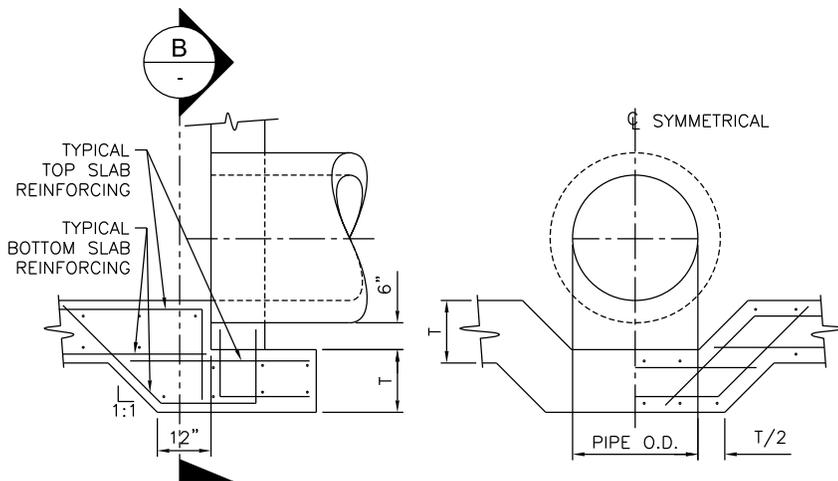


BAR SIZE	X	Z
#4	8"	1'-8"
#5	10"	2'-2"

HORIZONTAL REINFORCEMENT AT WALL INTERSECTION

2

SCALE: NOT TO SCALE



SECTION THRU PIPE

SECTION B

3

OPTIONAL FOOTING DETAIL AT WALL PIPE CONNECTION

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014



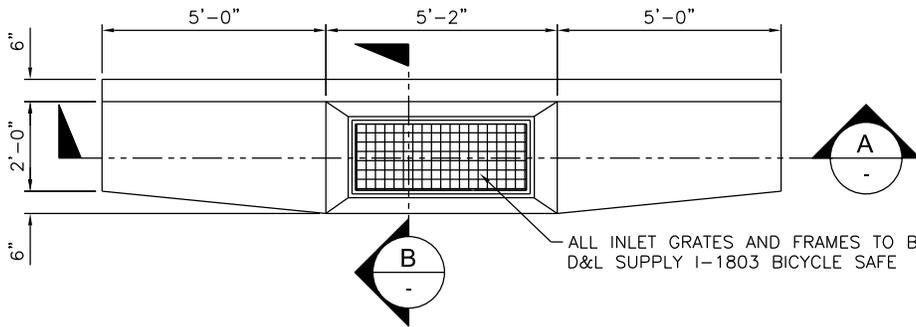
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

ALTERNATE CATCH BASIN

SHEET

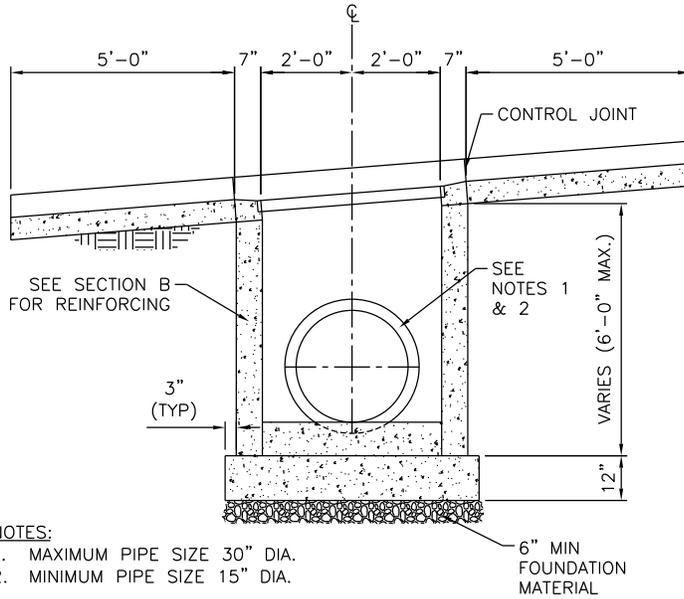
10

NO.	REVISION DESCRIPTION	BY	DATE
1	CLARIFIED STANDARD CATCH BASIN TYPE	BB	RCW 2/11/14



1 SINGLE CATCH BASIN PLAN

SCALE: NOT TO SCALE

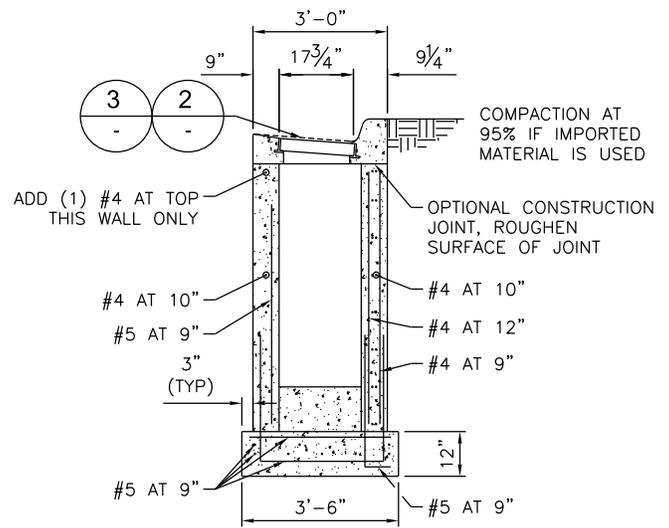


NOTES:

1. MAXIMUM PIPE SIZE 30" DIA.
2. MINIMUM PIPE SIZE 15" DIA.

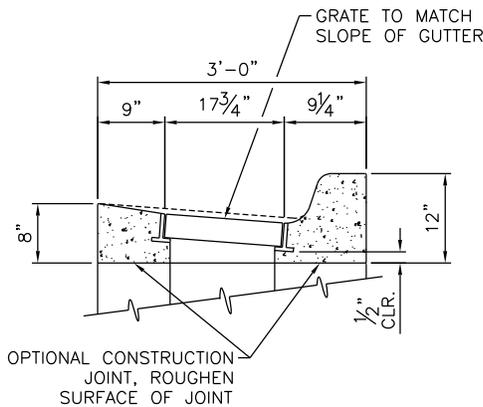
A SECTION

SCALE: NOT TO SCALE



B SECTION

SCALE: NOT TO SCALE



2 STANDARD CURB AND GUTTER INLET DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE			
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.			
1	CLARIFIED STANDARD CATCH BASIN TYPE	BB	RCW 2/11/14
NO.	REVISION DESCRIPTION	BY	APR DATE

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014

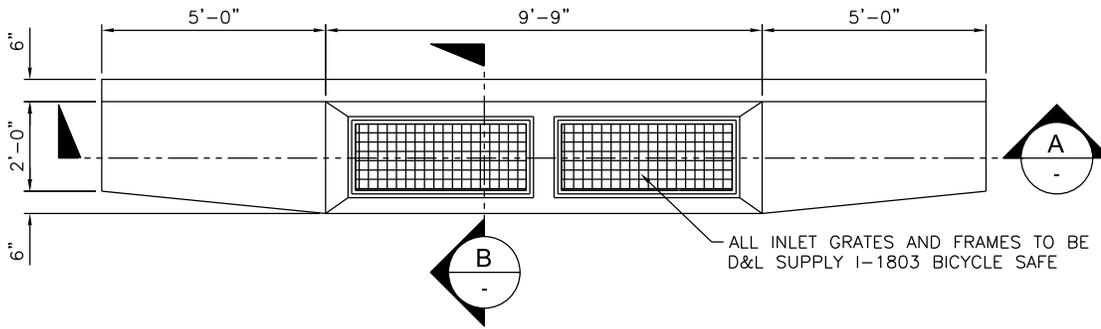


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

STANDARD CATCH BASIN

SHEET

11

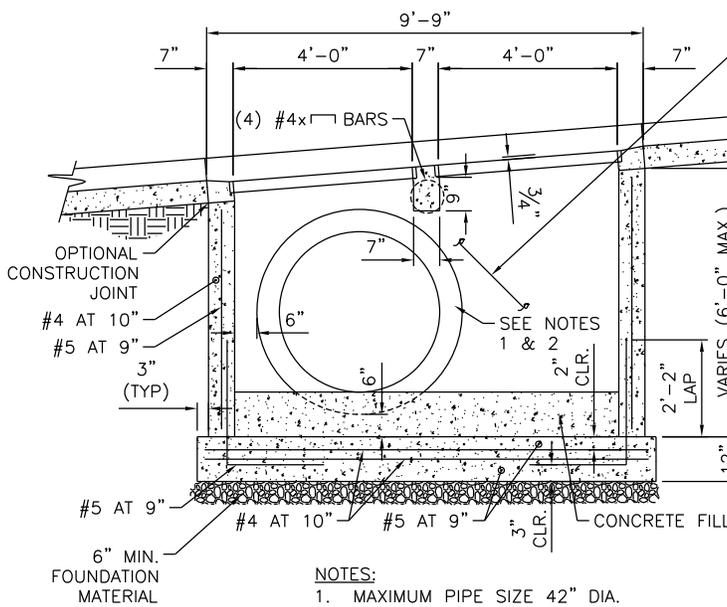


ALL INLET GRATES AND FRAMES TO BE D&L SUPPLY I-1803 BICYCLE SAFE

1

DOUBLE CATCH BASIN PLAN

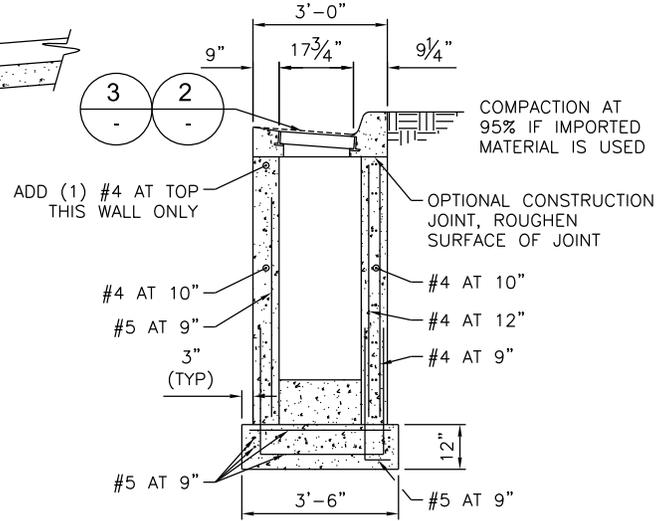
SCALE: NOT TO SCALE



NOTES:

1. MAXIMUM PIPE SIZE 42" DIA.
2. MINIMUM PIPE SIZE 15" DIA.

ADD #5 DIAGONAL BARS AT 4 SIDES OF PIPE, LENGTH=PIPE SIZE+3'-0"



A

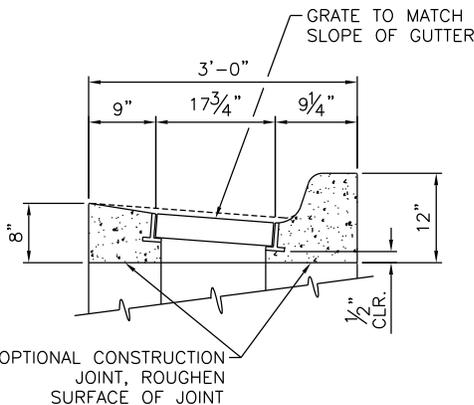
SECTION

SCALE: NOT TO SCALE

B

SECTION

SCALE: NOT TO SCALE



2

CURB AND GUTTER INLET DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014



DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

SHEET

12

STANDARD DOUBLE CATCH BASIN

NO.	REVISION DESCRIPTION	BY	DATE
1	CLARIFIED STANDARD CATCH BASIN TYPE	BB	RCW 2/11/14

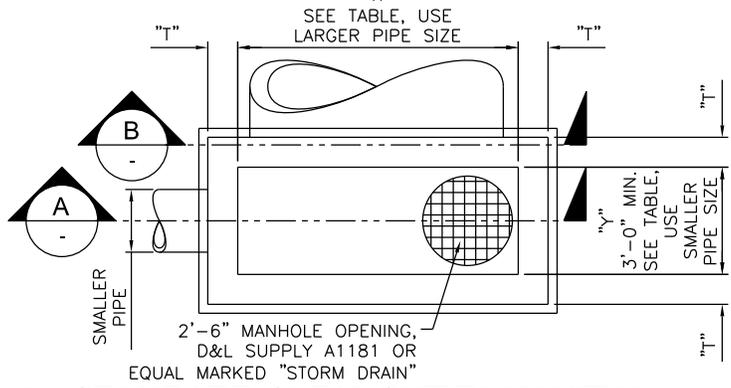
PIPE SIZE (IN.)	USE LARGEST PIPE SIZE FOR THESE DIMENSIONS AND REBAR EXCEPT DIMENSION "Y"									
	"X" "Y"	"Z"	"T"	"A"	"B"	"C"	"D"	"E"	"F"	"G"
18	3'-0"	3'-3"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
21	3'-3"	3'-6"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
24	3'-6"	3'-9"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
27	3'-9"	4'-0"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
30	4'-2"	4'-5"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
33	4'-5"	4'-8"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
36	4'-8"	4'-11"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
42	5'-3"	5'-6"	6"	#4 @ 12"	---	---	#5 @ 9"	#4 @ 12"	#4 @ 12"	#5 @ 9"
48	5'-10"	6'-1"	10"	#4 @ 12"	#5 @ 12"	#4 @ 12"	---	---	#4 @ 12"	#5 @ 12"
54	6'-5"	6'-8"	10"	#4 @ 12"	#5 @ 12"	#4 @ 12"	---	---	#4 @ 12"	#5 @ 12"
60	7'-0"	7'-3"	10"	#4 @ 12"	#5 @ 12"	#4 @ 12"	---	---	#4 @ 12"	#5 @ 12"
66	7'-7"	8'-10"	10"	#4 @ 12"	#5 @ 12"	#4 @ 12"	---	---	#4 @ 9"	#5 @ 12"
72	8'-2"	9'-5"	10"	#4 @ 12"	#5 @ 12"	#4 @ 12"	---	---	#4 @ 9"	#5 @ 12"

NOTE:

1. THE "H" REBAR IS BASED ON THE SMALLER PIPE, WHEN THE SMALLER PIPE IS 18" TO 36" USE #4 AT 6". WHEN THE SMALLER PIPE IS 42" TO 60" USE #5 AT 6". WHEN THE SMALLER PIPE IS 66" OR 72" USE #6 AT 6".
2. WALL THICKNESS IS BASED ON THE LARGEST OF THE PIPES. FOR 10" WALLS, USE 2 LAYERS OF STEEL. FOR 6" WALLS, USE A SINGLE LAYER OF STEEL.
3. WHEN "Z" IS LESS THAN 4'-0", THE VERTICAL REBAR LAP BE ELIMINATED AND DOWELS EXTENDED TO THE TOP OF THE WALL.

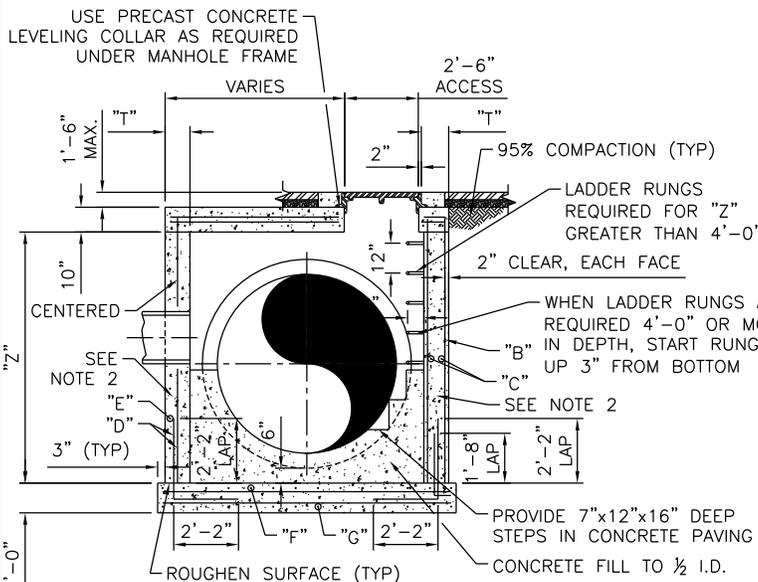
GENERAL NOTES:

1. ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
2. REINFORCEMENT STEEL SHALL BE DEFORMED BARS CONFORMING IN QUALITY TO THE REQUIREMENTS OF ASTM DESIGNATION A-615, GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENTS (S1).
3. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI-315, LATEST EDITION.
4. TOLERANCES IN PLACING REINFORCEMENT SHALL BE:
 - ± 3/8 INCH FOR MEMBERS WITH D < 8 INCHES
 - ± 1/2 INCH FOR MEMBERS WITH D ≥ 8 INCHES
5. DOWELS, PIPES, WATERSTOPS AND OTHER INSTALLED MATERIALS AND ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
6. UNLESS OTHERWISE SHOWN, ASIDE FROM NORMAL ACCESSORIES USED TO HOLD REINFORCING BARS FIRMLY IN POSITION, THE FOLLOWING SHALL BE ADDED:
 - A. IN SLABS #5 RISER BARS AT 36 INCHES O.C. MAXIMUM TO SUPPORT TOP REINFORCING BARS.
 - B. IN WALLS WITH 2 CURTAINS #4 "U" OR "Z" SHAPE SPACES AT 6 FEET O.C. EACH WAY.
7. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OF THE SUBGRADE. CONCRETE BLOCKS (OR DOBBIES) SUPPORTING BARS ON SUBGRADE SHALL BE IN SUFFICIENT NUMBERS TO SUPPORT THE BARS WITHOUT SETTLEMENT, BUT IN NO CASE SHALL SUCH SUPPORT BE CONTINUOUS.
8. DOWELS SHALL BE WIRED OR OTHERWISE HELD IN POSITION. THEY SHALL NOT BE SHOVED INTO FRESHLY PLACED CONCRETE.
9. REINFORCED BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY PIPE, PIPE FLANGE, OR METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM OF 2 INCHES CLEARANCE SHALL BE PROVIDED AT ALL TIMES.
10. STRUCTURES SHALL BE BACKFILLED WITH GRANULAR SOIL.
11. ALL CONSTRUCTION JOINTS SHALL BE ROUGHED AND CLEANED AND FREE OF LAITANCE.
12. STRUCTURES HAVE BEEN DESIGNED FOR THE FOLLOWING; IF CONDITIONS ARE EXCEEDED THE ENGINEER SHALL BE NOTIFIED.
 - A. AASHTO HS-20 TRUCK LOAD.
 - B. 1'-6" MAX. SOIL ABOVE THE ROOF OF THE STRUCTURE.
 - C. GROUND WATER TO TOP OF STRUCTURE.
 - D. "AT-REST" LATERAL SOIL PRESSURE OF 60 PCF FOR DRY SOIL CONDITIONS AND 92.4 PCF WHEN GROUND WATER IS PRESENT.



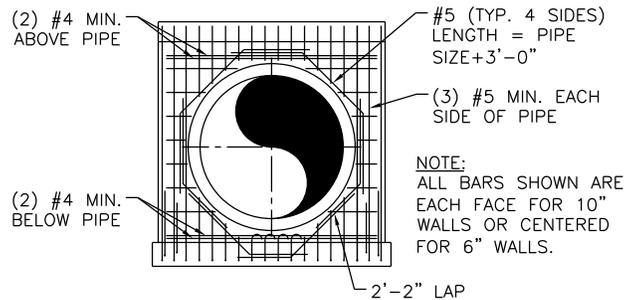
1 STANDARD CLEANOUT PLAN VIEW

SCALE: NOT TO SCALE (TYPE 1)



A STANDARD CLEANOUT SECTION

SCALE: NOT TO SCALE



B STANDARD CLEANOUT SECTION

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 11/1/2011
DATE ADOPTED: 2/14/2012



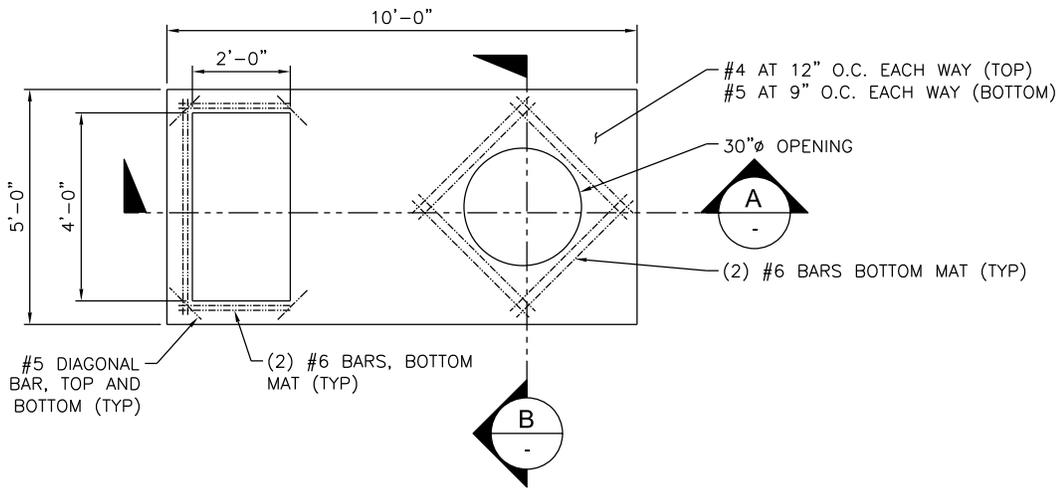
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

STANDARD STORM DRAIN CLEANOUT

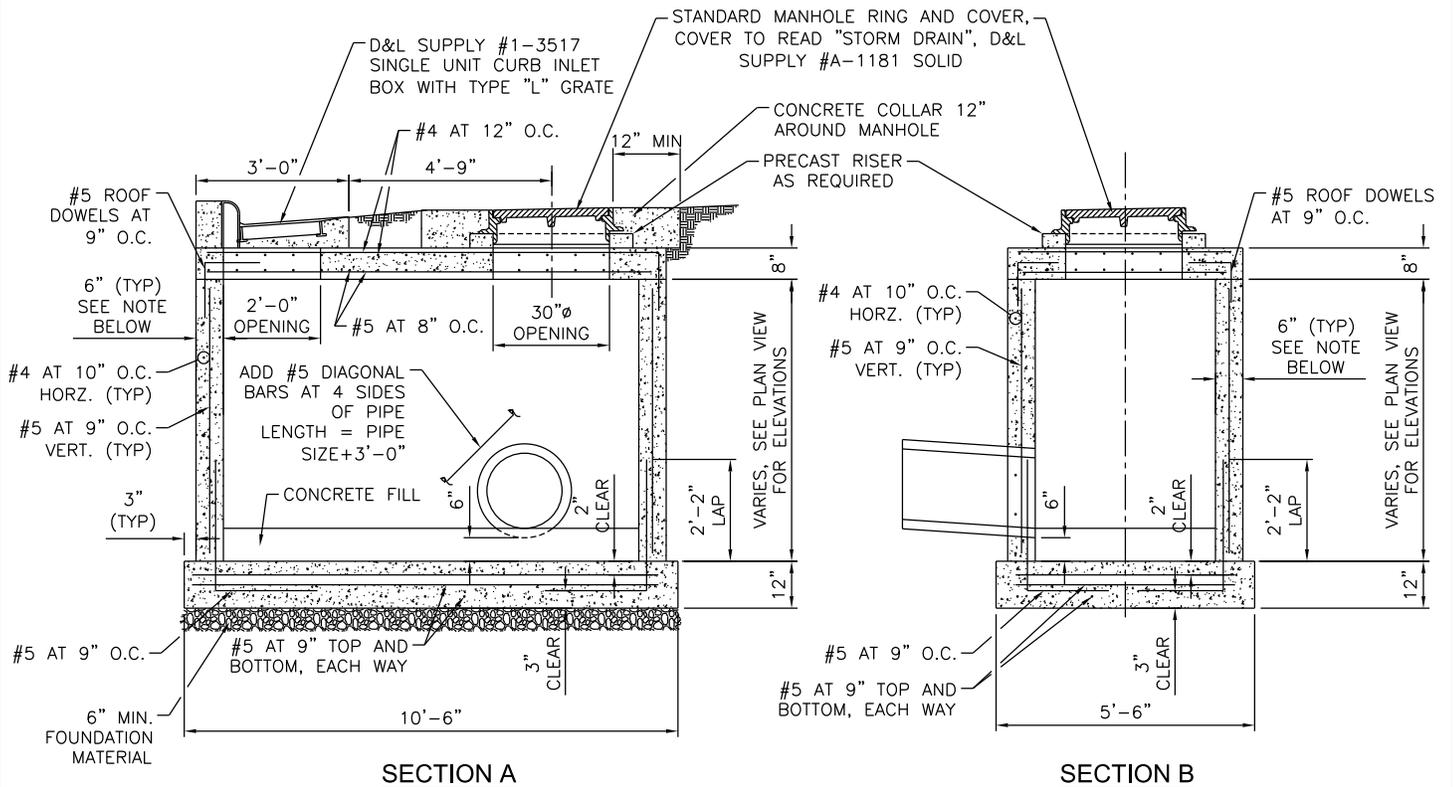
SHEET

13

NO.	REVISION DESCRIPTION	BY	APR	DATE



PLAN



SECTION A

SECTION B

NOTE:
 USE 6" THICK WALLS FOR WALL HEIGHT UP TO 5'-0". FOR
 WALL HEIGHT GREATER THAN 5'-0", USE 8" THICK WALLS.

1

COMBINATION INLET/CLEANOUT DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS
 STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION
 FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY.
 SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE
 OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE CITY STANDARDS
 DRAWN BY: BB
 DESIGN BY: BB
 CHECKED BY: RCW
 LAST UPDATED: 11/1/2011
 DATE ADOPTED: 2/14/2012



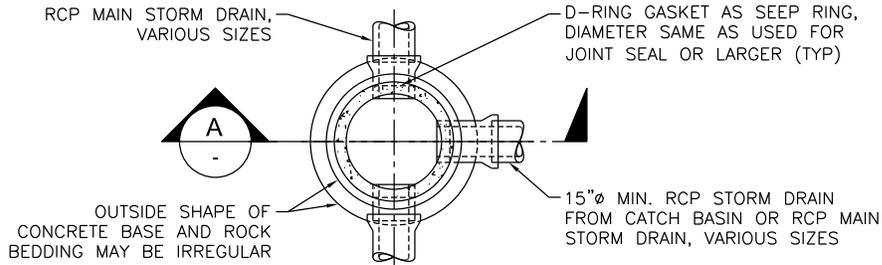
DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION

TYPICAL COMBINATION INLET CLEANOUT

SHEET

14

NO.	REVISION DESCRIPTION	BY	APR	DATE

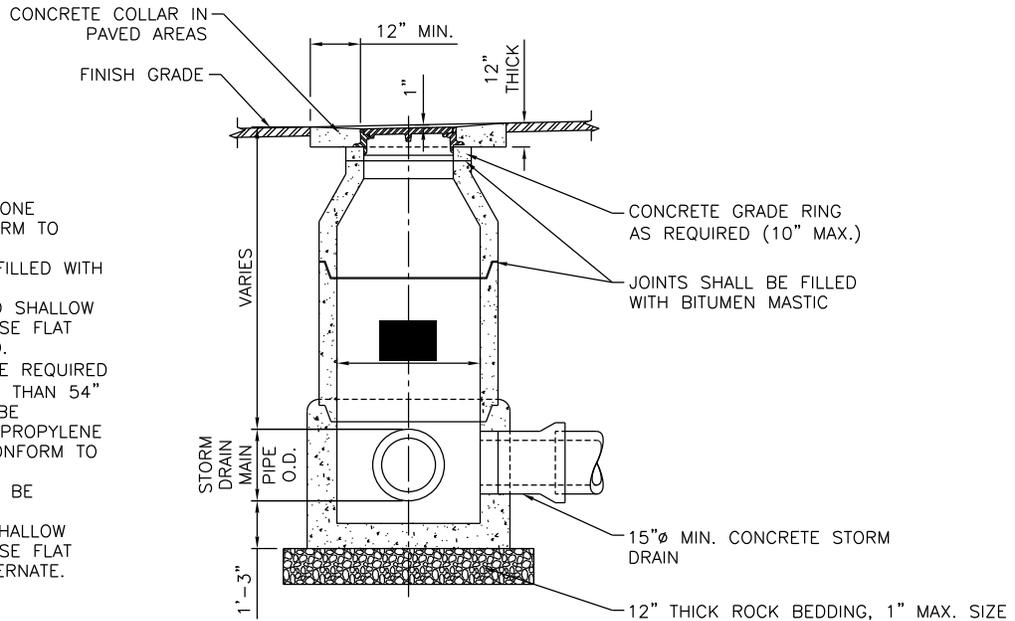


1 TYPICAL STORM DRAIN MANHOLE PLAN BELOW CONE

SCALE: NOT TO SCALE

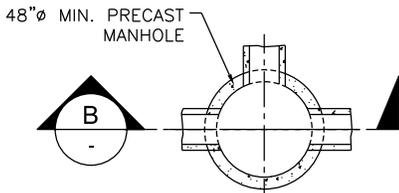
NOTES:

1. MANHOLE WALL AND CONE SECTION SHALL CONFORM TO ASTM C-478.
2. LIFT HOLE SHALL BE FILLED WITH GROUT.
3. IF MANHOLES ARE TOO SHALLOW FOR CONE SECTION, USE FLAT CONCRETE LID INSTEAD.
4. STEPS @ 12" O.C. ARE REQUIRED IN MANHOLES GREATER THAN 54" DEEP. STEPS SHALL BE NON-CORROSIVE POLY PROPYLENE COATED STEEL AND CONFORM TO ASTM C-478.
5. MANHOLE CONE SHALL BE ECCENTRIC.
6. IF MANHOLE IS TOO SHALLOW FOR CONE SECTION, USE FLAT CONCRETE LID AS ALTERNATE.



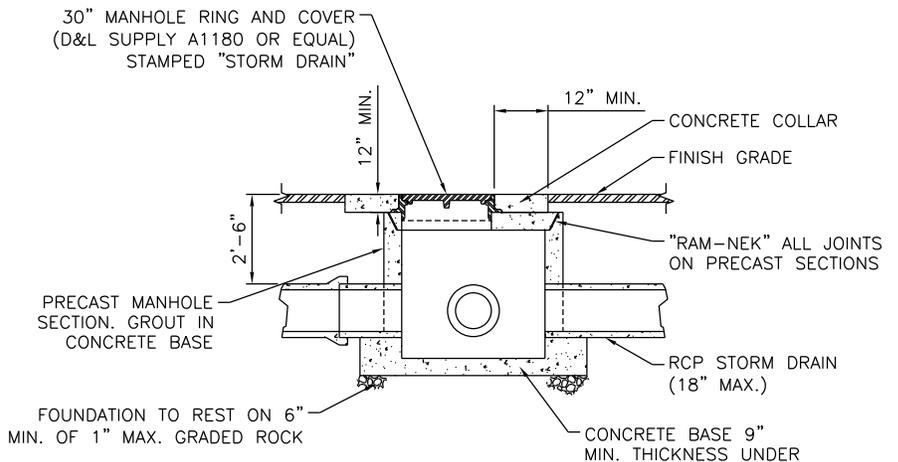
A TYPICAL STORM DRAIN MANHOLE SECTION

SCALE: NOT TO SCALE



2 FLAT LID STORM DRAIN MANHOLE PLAN

SCALE: NOT TO SCALE



B FLAT LID STORM DRAIN MANHOLE SECTION

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: **BB**
DESIGN BY: **BB**
CHECKED BY: **RCW**
LAST UPDATED: 11/1/2011
DATE ADOPTED: 2/14/2012



**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

STANDARD STORM DRAIN MANHOLES

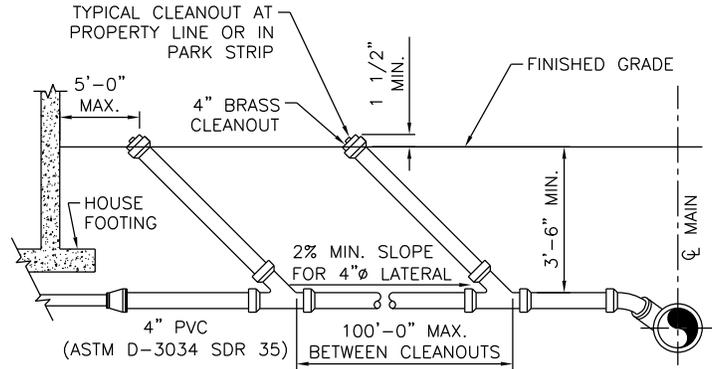
SHEET

15

NO.	REVISION DESCRIPTION	BY	APR	DATE

LATERAL NOTES:

1. CLEANOUTS ARE REQUIRED AT A MAXIMUM OF 100'-0" SPACING ALONG LATERALS AND AT EACH SERIES OF BENDS AMOUNTING TO 90°.
2. CLEANOUTS MUST BE LOCATED AT PROPERTY LINE AND WITHIN 5' OUTSIDE OF A FOUNDATION WALL.
3. TAPS ON EXISTING MAIN SHALL BE CORED AND ROMAC SEWER SADDLE WITH STAINLESS STEEL BANDS OR APPROVED EQUAL.
4. SANITARY SEWER LATERALS TO BE GREEN PVC, TO DIFFERENTIATE FROM WHITE LAND DRAIN LATERALS.
5. CONTRACTOR TO EXTEND LATERAL 10'-0" BEYOND PROPERTY LINE. MARK END WITH 2x4, PAINTED GREEN FOR SEWER, WHITE FOR LAND DRAIN.
6. LOCATION OF AS-BUILT LATERALS AND CLEANOUTS MUST BE PROVIDED TO THE CITY ENGINEER.
7. RAIN GUTTER DOWN SPOUTS AND SURFACE INLET CONNECTIONS TO LATERAL ARE PROHIBITED.

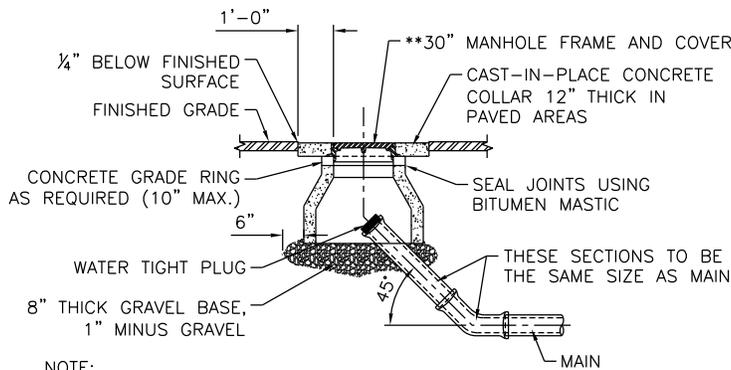


1

PROFILE OF TYPICAL LATERAL

SCALE: NOT TO SCALE

**SEWER MANHOLES SHALL BE VENTED & LABELED "SEWER"
LAND DRAIN MANHOLES SHALL BE NON-VENTED & LABELED "LAND DRAIN"



NOTE:
GRAVEL BASE TO BE 12" LARGER THAN
OUTSIDE DIAMETER OF MANHOLE CONE.

2

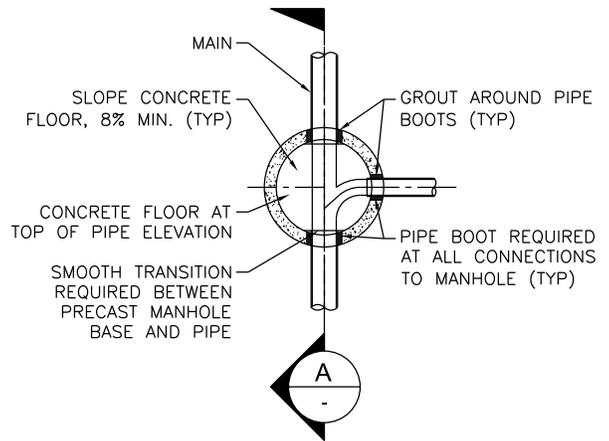
TEMPORARY MAIN CLEANOUT

SCALE: NOT TO SCALE

3

MANHOLE PLAN BELOW CONE

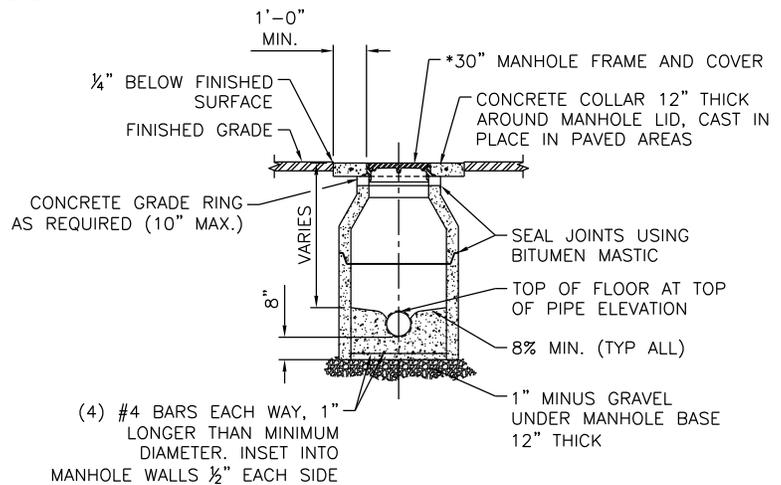
SCALE: NOT TO SCALE



*SEWER MANHOLES SHALL BE VENTED & LABELED "SEWER"
LAND DRAIN MANHOLES SHALL BE NON-VENTED & LABELED "LAND DRAIN"

MANHOLE NOTES:

1. INVERT ELEVATION DROP BETWEEN INFLOW AND OUTFLOW SHALL BE 0.20 FT MIN.
2. MANHOLE WALL AND CONE SECTION SHALL CONFORM TO ASTM C-478.
3. MANHOLE SHALL BE 5'-0" Ø IF MAIN IS GREATER THAN 12" Ø, OR IF MORE THAN THREE MAIN PIPES CONNECT TO MANHOLE, OR IF OTHERWISE SPECIFIED ON DRAWINGS.
4. LIFT HOLES SHALL BE FILLED WITH GROUT.
5. MANHOLE CONE SHALL BE ECCENTRIC.
6. STEPS @ 12" O.C.C ARE REQUIRED IN MANHOLES GREATER THEN 54" DEEP. STEPS SHALL BE NON-CORROSIVE POLYPROPYLENE COATED STEEL AND CONFORM TO ASTM C-478.
7. IF MANHOLES ARE TOO SHALLOW FOR CONE SECTION, USE FLAT CONCRETE LID INSTEAD.



A

TYPICAL MANHOLE SECTION

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014



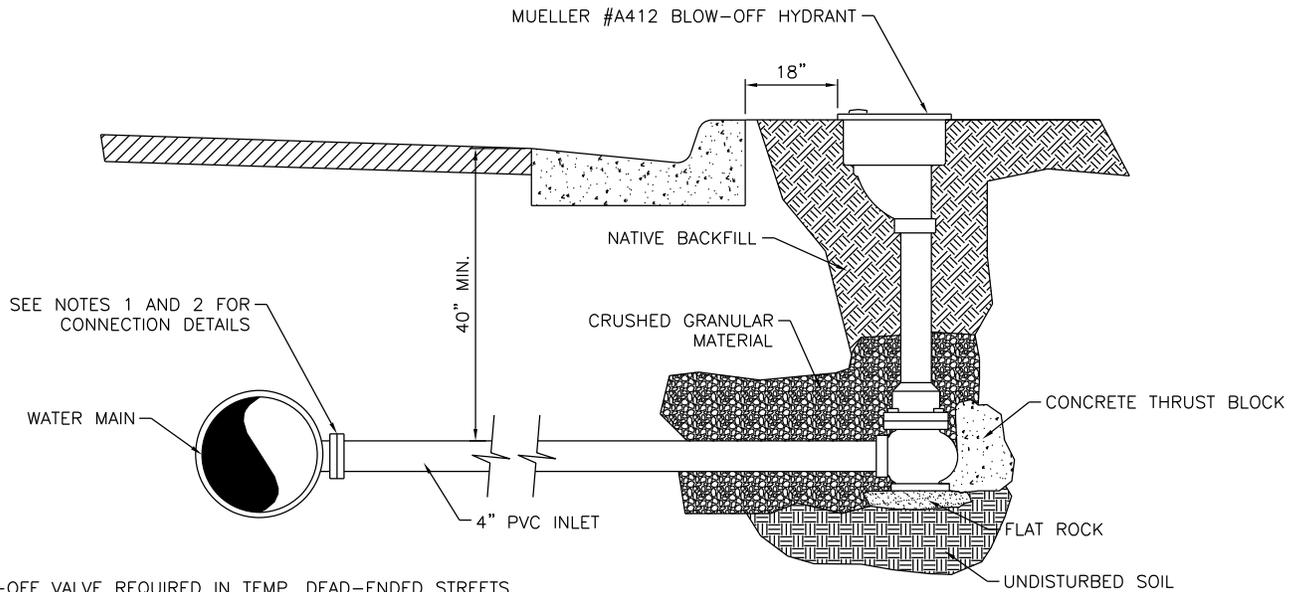
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

SEWER AND LAND DRAIN STANDARDS

SHEET

17

NO.	REVISION DESCRIPTION	BY	DATE
1	CLARIFIED VENTED LIDS	BB	RCW 2/11/14

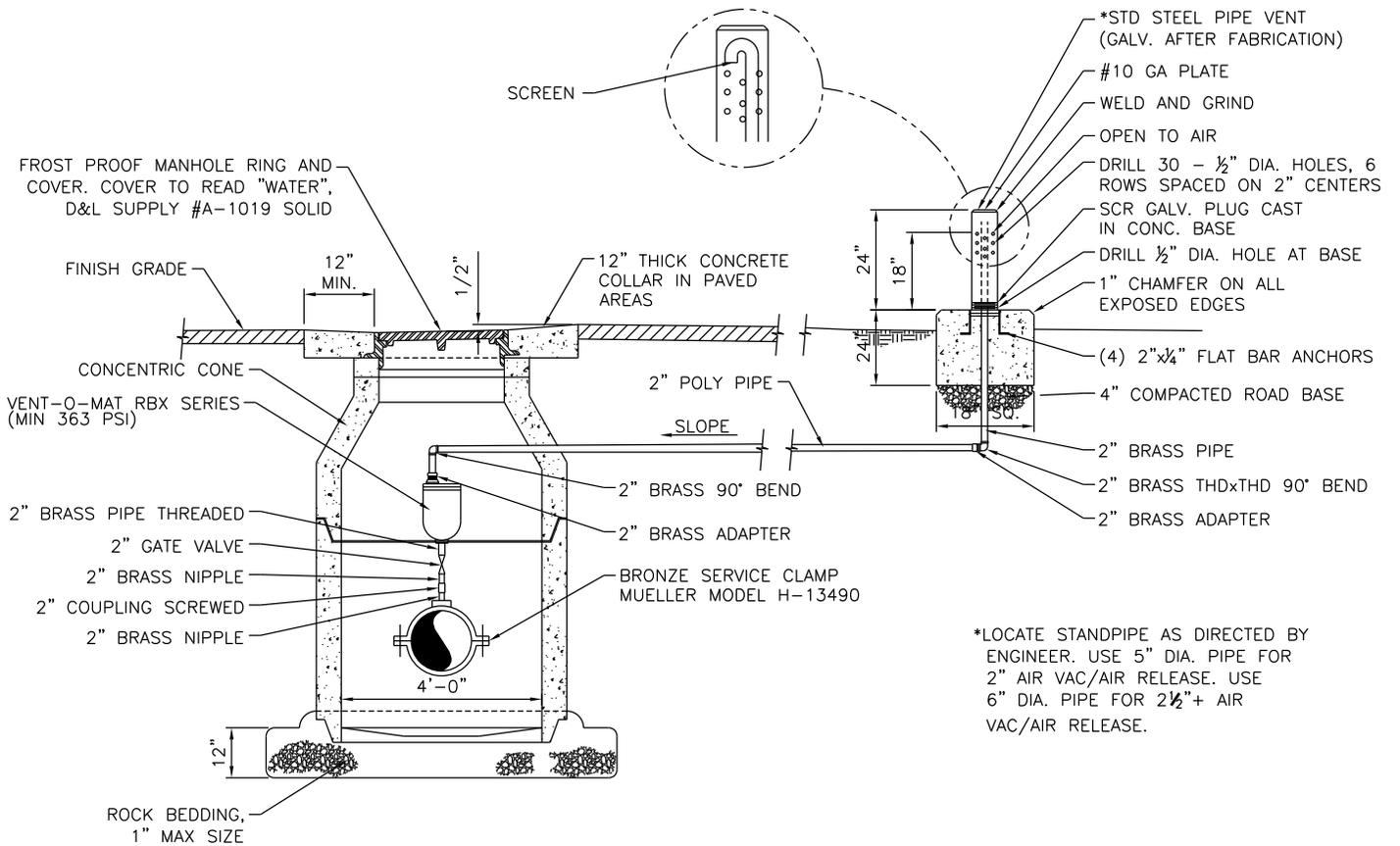


NOTES:

1. BLOW-OFF VALVE REQUIRED IN TEMP. DEAD-ENDED STREETS.
2. CUL-DE-SAC CONNECTIONS TO BE MADE USING MAIN SIZE x 4" MJ REDUCER.
3. ON TEMPORARILY DEAD-ENDED STREETS CONNECTIONS SHALL BE MADE USING MAIN SIZE x 4" MJ TEE.

1 TYPICAL BLOWOFF VALVE DETAIL

SCALE: NOT TO SCALE



2 TYPICAL 2" AIR RELEASE VALVE MANHOLE AND SPLASH BLOCK

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

1	CHANGED STANDARD AIR VALVE MODEL	BB	RCW	2/11/14
NO.	REVISION DESCRIPTION	BY	APR	DATE

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014

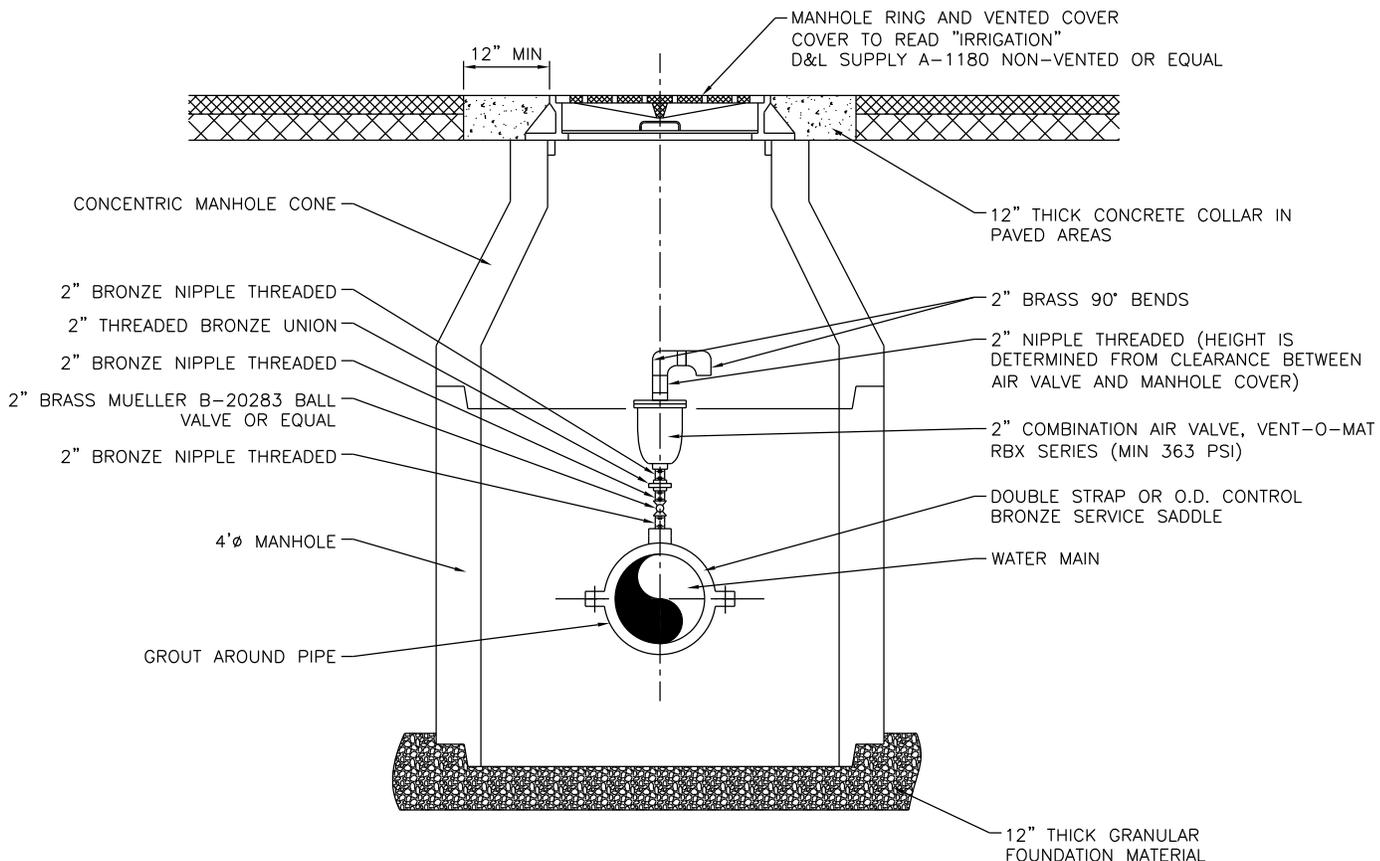


**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

CULINARY DETAILS

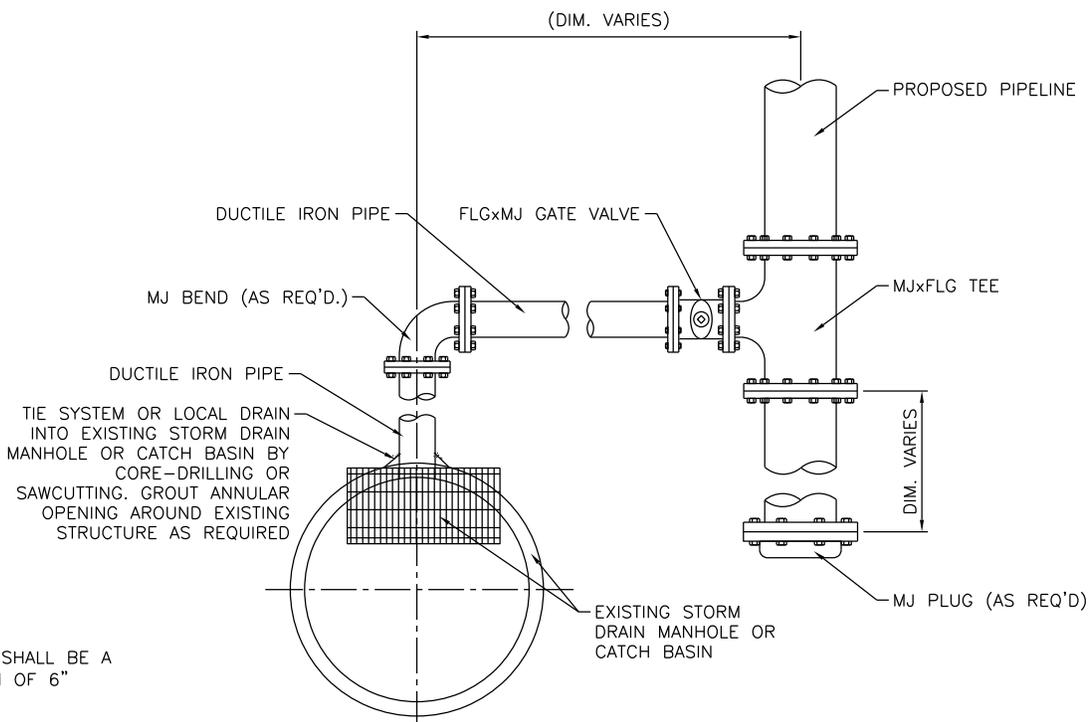
SHEET

18



2 COMBINATION AIR VALVE DETAIL

SCALE: NOT TO SCALE



NOTE:
DRAINS SHALL BE A
MINIMUM OF 6"

1 LOCAL / SYSTEM DRAIN VALVE DETAIL

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

NO.	REVISION DESCRIPTION	BY	APR	DATE
1	CHANGED STANDARD AIR VALVE MODEL	BB	RCW	2/11/14

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014

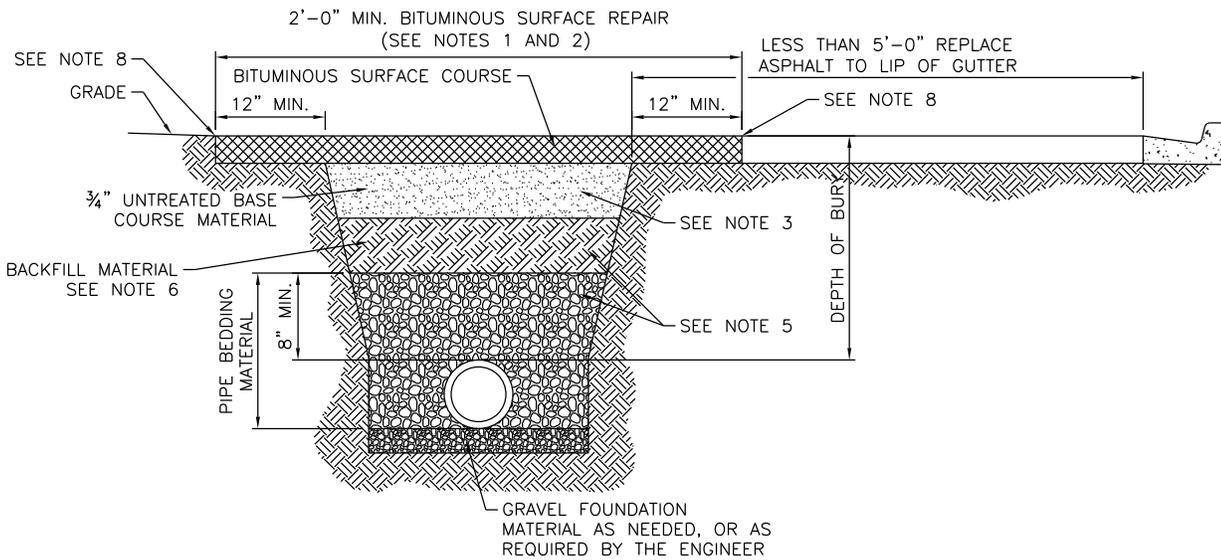


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

COMBINATION AIR VALVE DETAIL
(SECONDARY WATER ONLY)

SHEET

19

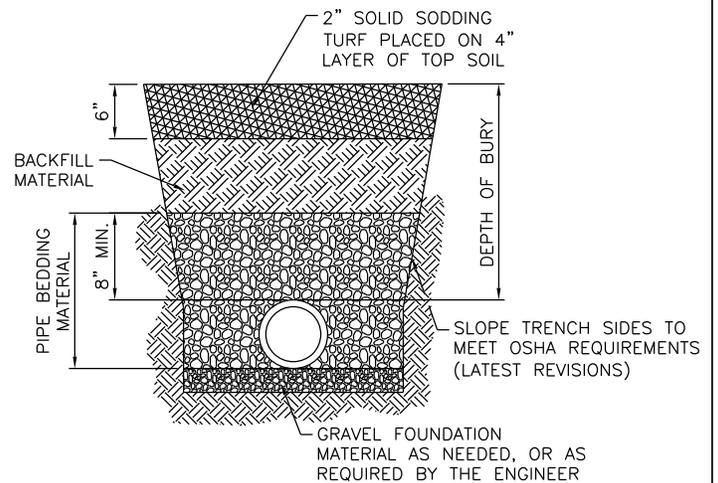


BITUMINOUS SURFACE REPAIR/TRENCH SECTION

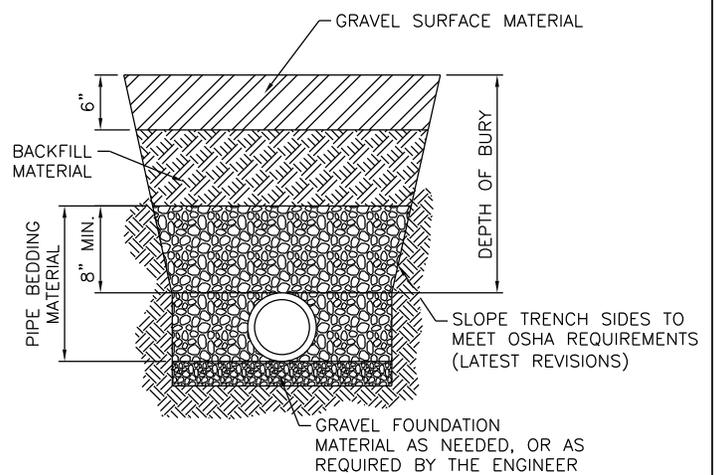
NOTES:

1. SAW CUT BITUMINOUS ASPHALT SURFACE 24" WIDER THAN TRENCH ON EACH SIDE FOR FINAL TRENCH REPAIR WHERE BITUMINOUS SURFACE EXISTS.
2. BITUMINOUS SURFACE IS TO BE 4" MIN. OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER, AND 6" FOR STATE ROADS, OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.
3. FOR TRENCH REPAIR, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 12" OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER, FOR NEW ROAD CONSTRUCTION, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 10" MIN. OR AS DIRECTED BY THE ENGINEER. BASE COURSE TO BE COMPACTED TO 96% ASTM D-1557.
4. SLOPE TRENCH SIDES TO MEET OSHA SAFETY REGULATIONS (LATEST REVISION).
5. BACKFILL AND BEDDING TO BE COMPACTED TO 96% ASTM D-1557 IN ROADWAYS AND 90% IN LANDSCAPED AREAS.
6. GRANULAR SUB-BASE 12" THICK BETWEEN BASE COURSE AND BACKFILL LAYERS AS DIRECTED BY ENGINEER. COMPACT TO 96% ASTM D-1557.
7. LOCATOR TAPE SHALL BE PLACED 12" ABOVE CENTERLINE OF PIPE FOR PRESSURIZED PIPELINES.
8. INITIAL PAVEMENT CUT SHALL BE AT EDGE OF OPEN TRENCH. A SECOND PAVEMENT CUT TO WIDEN BITUMINOUS SURFACE REPAIR AREA ONCE TRENCH IS BACKFILLED AND COMPACTED. MINIMUM WIDENED DISTANCE TO SECOND CUT IS SHOWN IN THE TABLE BELOW.

MAX EXCAVATION DEPTH	30"	48"	>48'
TRENCH EDGE TO 2ND CUT	12"	24"	36"



TURF SURFACE TRENCH SECTION



GRAVEL SURFACE TRENCH SECTION

1 TYPICAL TRENCH SECTIONS
SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: **BB**
DESIGN BY: **BB**
CHECKED BY: **RCW**
LAST UPDATED: 11/1/2011
DATE ADOPTED: 2/14/2012

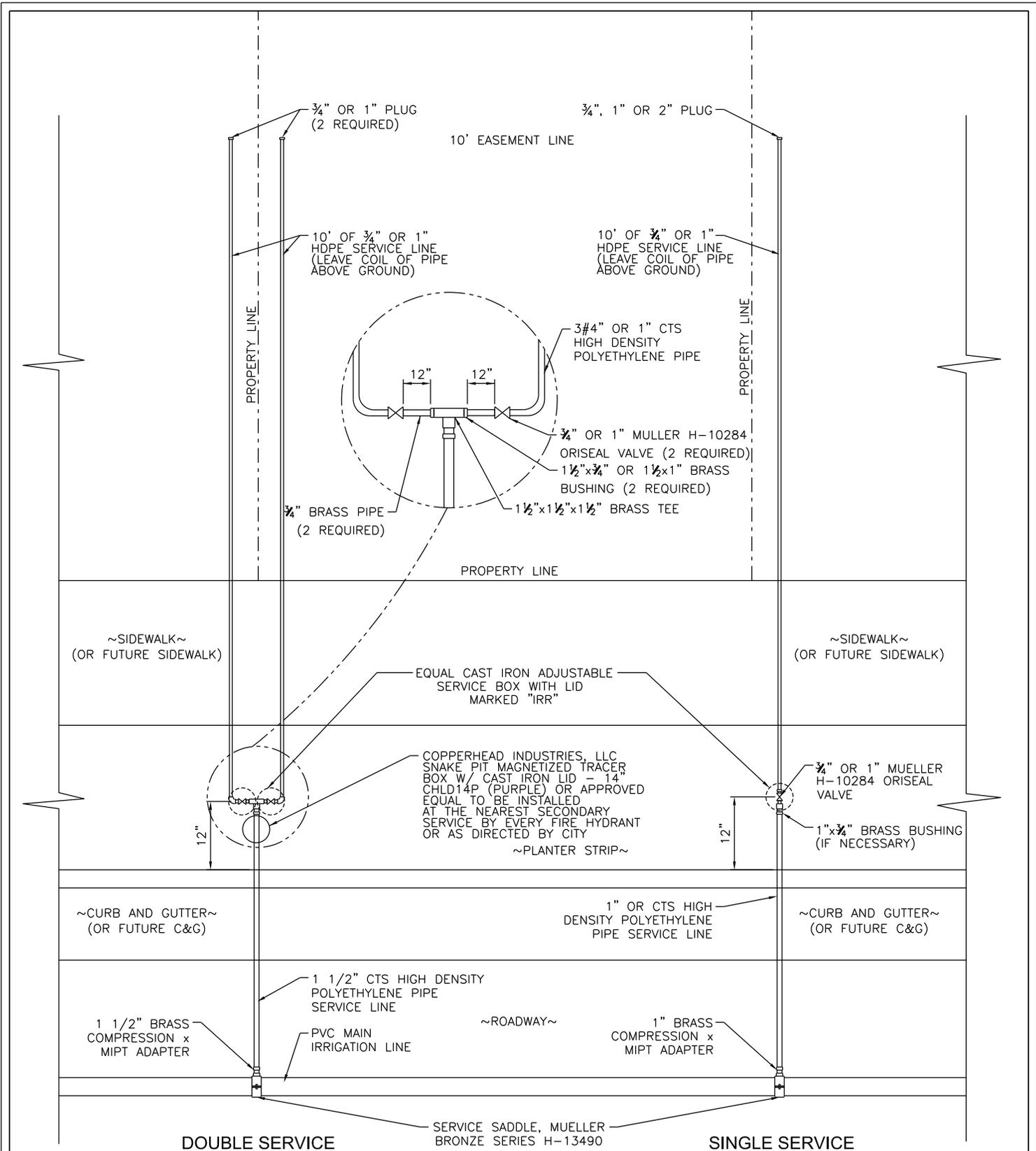


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION
BITUMINOUS SURFACE REPAIR AND TYPICAL TRENCH SECTIONS

SHEET

20

NO.	REVISION DESCRIPTION	BY	APR	DATE
-----	----------------------	----	-----	------



NOTE:
 ALL NEW SECONDARY SERVICES SHALL BE SET UP FOR A 3/4" SERVICE.
 IF THE HOMEOWNER OR DEVELOPER DESIRES, RESIDENTIAL SERVICES
 CAN BE UPGRADED TO A 1" SERVICE AT A HIGHER MONTHLY CHARGE.
 COMMERCIAL/INDUSTRIAL SERVICES SHALL BE SIZED TO ADEQUATELY
 SERVE THE DEVELOPMENT.

1 PRESSURE IRRIGATION SERVICE CONNECTIONS DETAIL

SCALE: NOT TO SCALE

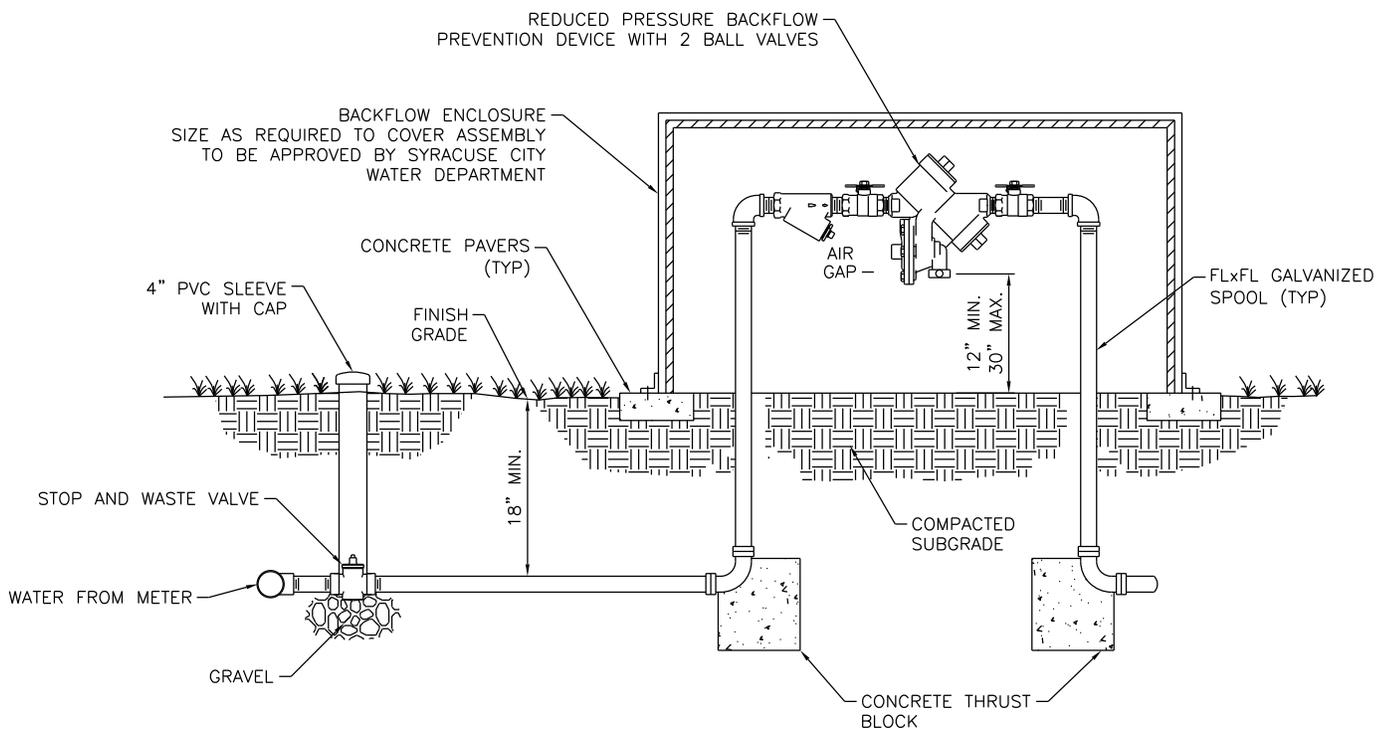
STATEMENT OF USE			
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.			
1	UPDATED TYPICAL SERVICE	BB	RCW 2/11/14
NO.	REVISION DESCRIPTION	BY	APR/ DATE

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	2/11/2014
DATE ADOPTED:	2/11/2014



DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

TYPICAL PRESSURE IRRIGATION SERVICE CONNECTIONS



NOTES:

1. ALL WORK MUST BE INSPECTED BY SYRACUSE CITY WATER DEPARTMENT PRIOR TO BACKFILL.
2. INITIAL TESTING OF BACKFLOW ASSEMBLY TO BE DONE BY DEVELOPER AND REPORTED TO SYRACUSE CITY WATER DEPARTMENT.
3. ALL BURIED DUCTILE IRON PIPES ARE TO BE POLY-WRAPPED.
4. CONSULT WITH DEPARTMENT ENGINEER ON CONFIGURATION FOR 8" CONNECTION TO SERVICE MORE THAN 120 LOTS.

1

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY

SCALE: NOT TO SCALE

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE CITY STANDARDS
DRAWN BY:	BB
DESIGN BY:	BB
CHECKED BY:	RCW
LAST UPDATED:	11/1/2011
DATE ADOPTED:	2/14/2012



**DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION**

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY

SHEET

22

NO.	REVISION DESCRIPTION	BY	APR	DATE

STREET CLASSIFICATION	BULB WATTAGE
ARTERIAL/MINOR ARTERIAL	200
COLLECTOR	100
LOCAL/LOW VOLUME LOCAL	40-60

BLACK UTILITY GRANVILLE STANDARD M HOUSING, SYMMETRIC, TYPE V, NO RIBS AND BANDS, INDUCTION BULB (OR APPROVED EQUAL), 120V, GOLD PAINTED CAST ALUMINUM STANDARD FINIAL, NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE, DTL TWISTLOCK PHOTOCONTROL 120-277 WITH 25 FOOT PREWIRED LEADS

12' ALUMINUM SALEM POLE WITH POWDER COATED BLACK PAINT, 4" DIAMETER FLUTED, 0.25 WALL, 9" SQUARE, 3X3 TENON DIRECT BURY BASE

ROCKY MOUNTAIN POWER TRANSFORMER OR SECONDARY BOX

IF CITY INSTALLS STREET LIGHT TWO (2) FEET OF WIRE MUST BE PROVIDED ABOVE GROUND ELEVATION TO CONNECT LIGHT

LEAVE TWO (2) FEET OF WIRE ABOVE GROUND ELEVATION FOR RMP TO TIE INTO BOX

CONTRACTOR TO FURNISH & INSTALL JUNCTION BOX WITH LOCK

3' MIN
10' MAX

24" MIN

LEAVE COIL OF WIRE THROUGH JUNCTION BOX

6"

CONTRACTOR TO FURNISH & INSTALL 1" MIN. CONDUIT

1/2" x 8' COPPER GROUNDING ROD

4' MIN. DIRECT BURY BASE

GENERAL NOTES:

- *COORDINATE WITH CITY FOR EXACT STREET LIGHT LOCATION
- *ALL WIRE SHALL BE #8 GAUGE RHW OR EQUAL WITH THREE SINGLE STRAND COPPER WIRES COLORED AS FOLLOWED:
BLACK-POWER
WHITE-NEUTRAL
GREEN-GROUND
- *JUNCTION BOX LID MUST SAY ELECTRICAL, POWER OR STREETLIGHT
- *CONDUIT SHALL BE INSTALLED FROM TRANSFORMER TO JUNCTION BOX & UNDER ANY EXISTING OR FUTURE CONCRETE AREAS
- *BASE OF LIGHT MUST BE FLUSH WITH TOP BACK OF CURB AND SIDEWALK
- *CONTRACTOR INSTALLED STREETLIGHT MUST HAVE PHOTOCELL COVER FACING NORTH
- *ALL STREET LIGHTS SHALL HAVE A MINIMUM CLEARANCE OF 10 FEET FROM ANY OVERHEAD POWER
- *AFTER INSTALLATION IS COMPLETE, THE CONTRACTOR SHALL CONTACT THE CITY FOR INSPECTION
SYRACUSE CITY PUBLIC WORKS~801-825-7235

1 TYPICAL STREET LIGHT INSTALLATION

SCALE: NOT TO SCALE

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE CITY STANDARDS
DRAWN BY: BB
DESIGN BY: BB
CHECKED BY: RCW
LAST UPDATED: 2/11/2014
DATE ADOPTED: 2/11/2014



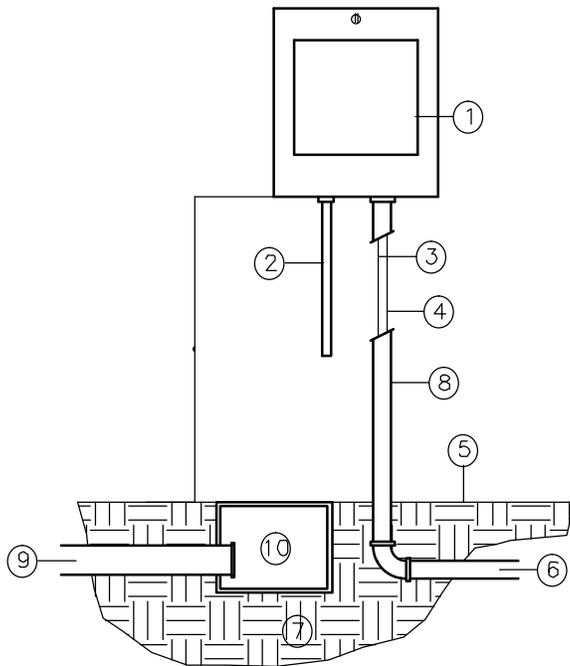
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

STREET LIGHT INSTALLATION DETAIL

SHEET

23

NO.	REVISION DESCRIPTION	BY	APR	DATE



- ① CONTROLLER ENCLOSURE WITH CONTROLLER – SEE IRRIGATION EQUIPMENT SCHEDULE
- ② 120-VOLT WIRE IN RIGID CONDUIT
- ③ COMMON WIRE
- ④ CONTROL WIRES
- ⑤ FINISH GRADE
- ⑥ UF DIRECT-BURIAL WIRES TO REMOTE CONTROL VALVES
- ⑦ SUBGRADE COMPACTED TO 95% MIN.
- ⑧ CONDUIT TO MAINLINE
- ⑨ 3" CONDUIT FOR FUTURE EXPANSION
- ⑩ ELECTRICAL PULL BOX

WALL-MOUNT CONTROLLER

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:48 PM Pictures 31 - Kur-G-Fredricks
 F:\P\11-25-2011 10:48 PM Pictures 31 - Kur-G-Fredricks\LANDSCAPE\SYRACUSE\FACTS\LANDSCAPE STD.S.DWG

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STD.S
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



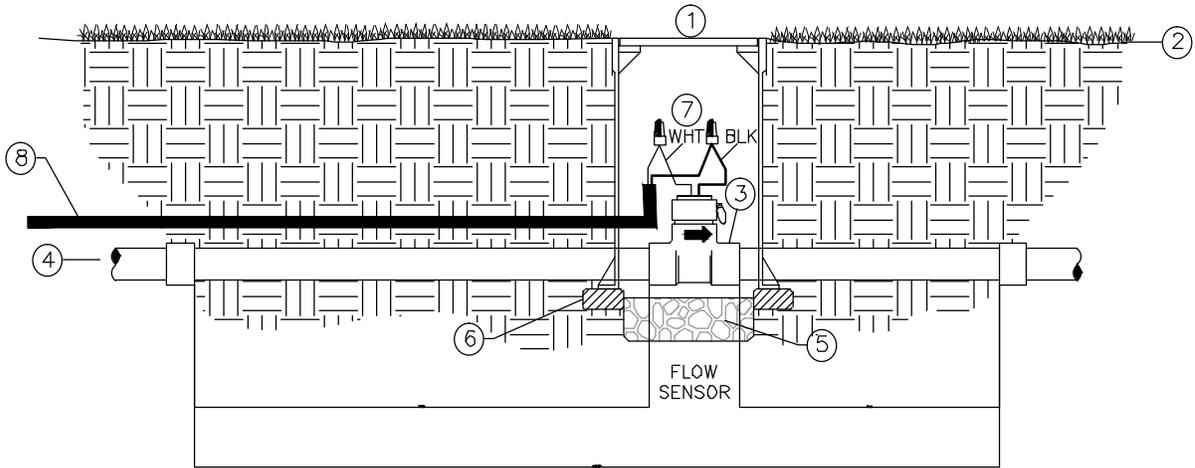
DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION

WALL-MOUNT CONTROLLER DETAIL

SHEET

L5

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① 10" ROUND GREEN PLASTIC VALVE BOX, W/ BOLT LOCK, CARSON OR EQUAL, MARKED "F.S." IN 2" WHITE LETTERS
- ② FINISH GRADE
- ③ FLOW SENSOR
- ④ PVC MAINLINE
- ⑤ 5" MIN. DEPTH PEA GRAVEL
- ⑥ CONCRETE PAVERS ONLY
- ⑦ 3M DBR/Y WATER TIGHT WIRE CONNECTORS
- ⑧ SENSOR CABLE TO CONTROLLER

FLOW SENSOR INSTALLATION

SCALE: NOT TO SCALE

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE LANDSCAPE STDS
DRAWN BY: JDM/ELC
DESIGN BY: NOS
CHECKED BY: RCW
LAST UPDATED: 11/3/2011
DATE ADOPTED: XXXXXX

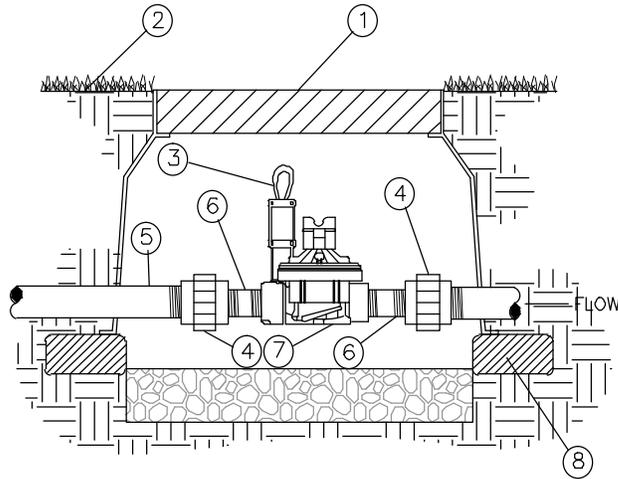


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

FLOW SENSOR INSTALLATION DETAIL

SHEET

L6



- ① 18" GREEN JUMBO 1220 VALVE BOX W/ BOLT LOCK (CARSON OR APPROVED EQUAL). USE BOX EXTENSIONS AS NEEDED.
- ② FINISH GRADE
- ③ WIRES TO SITE INTERFACE 18 GAUGE MIN. WIRE SIZE
- ④ ACTION UNION
- ⑤ PVC MAINLINE
- ⑥ SCH 80 NIPPLE (LENGTH AS REQUIRED)
- ⑦ MASTER VALVE – SEE IRRIGATION EQUIPMENT SCHEDULE
- ⑧ CONCRETE PAVERS ONLY

MASTER VALVE ASSEMBLY

SCALE: NOT TO SCALE

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE LANDSCAPE STDS
DRAWN BY: JDM/ELC
DESIGN BY: NQS
CHECKED BY: RCW
LAST UPDATED: 11/3/2011
DATE ADOPTED: XXXXXX

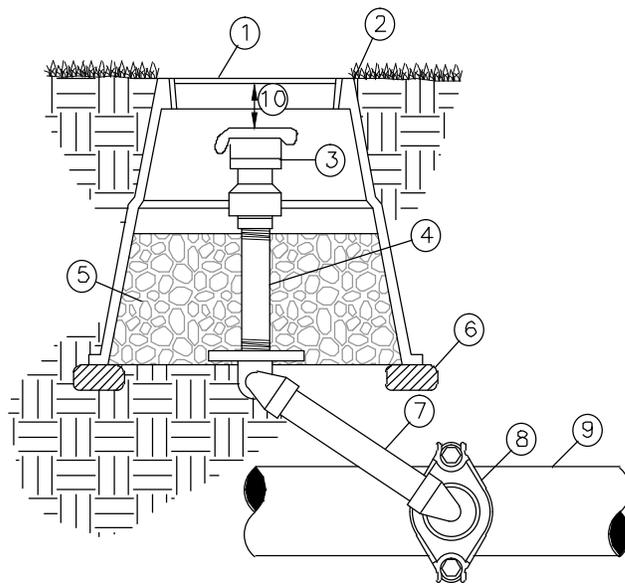


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

MASTER VALVE ASSEMBLY DETAIL

SHEET

L7



- ① 10" ROUND GREEN PLASTIC VALVE BOX W/ BOLT LOCK, CARSON 910 OR EQUAL
- ② FLUSH WITH GRADE
- ③ QUICK COUPLING VALVE – SEE EQUIPMENT SCHEDULE
- ④ BRASS NIPPLE, LENGTH AS REQUIRED
- ⑤ 6" MIN. DEPTH CLEAN PEA GRAVEL
- ⑥ CONCRETE PAVERS ONLY
- ⑦ 12" LASCO UNITIZED SWING JOINT W/ BRASS INSERT STABILIZER ELBOW, OR 12" SPEARS SWING JOINT RISER ASSEMBLY W/ BRASS FEMALE THREAD 90° ELL OUTLET
- ⑧ 3" AND LARGER, DUCTILE IRON SERVICE SADDLE W/ S.S. STRAP (SIDE MOUNTED, SIZE AS REQUIRED) 2 1/2" AND SMALLER, USE PVC SCH 80 TEE AND 90° (SIDE MOUNTED, SIZE AS REQUIRED)
- ⑨ PVC MAIN LINE
- ⑩ 3" MIN. 6" MAX. CLEARANCE

QUICK COUPLING VALVE ASSEMBLY (3" AND LARGER)

SCALE: NOT TO SCALE

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE LANDSCAPE STDS
DRAWN BY: JDM/ELC
DESIGN BY: NQS
CHECKED BY: RCW
LAST UPDATED: 11/3/2011
DATE ADOPTED: XXXXXX

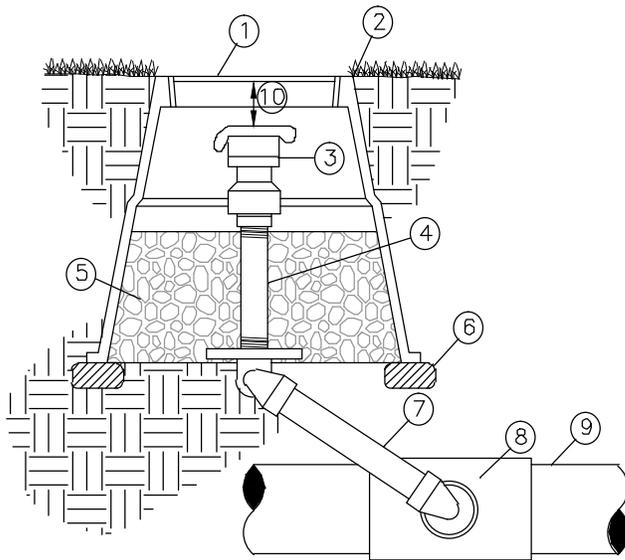


DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

QUICK COUPLING VALVE ASSEMBLY DETAIL - 3 INCHES AND LARGER

SHEET

L11



- ① 10" ROUND GREEN PLASTIC VALVE BOX W/ BOLT LOCK, CARSON 910 OR EQUAL
- ② FLUSH WITH GRADE
- ③ QUICK COUPLING VALVE – SEE EQUIPMENT SCHEDULE
- ④ BRASS NIPPLE, LENGTH AS REQUIRED
- ⑤ 6" MIN. DEPTH CLEAN PEA GRAVEL
- ⑥ CONCRETE PAVERS ONLY
- ⑦ 12" LASCO UNITIZED SWING JOINT W/ BRASS INSERT STABILIZER ELBOW, OR 12" SPEARS SWING JOINT RISER ASSEMBLY W/ BRASS FEMALE THREAD 90° ELL OUTLET
- ⑧ 2 1/2" AND SMALLER, USE PVC SCH 80 TEE AND 90° (SIDE MOUNTED, SIZE AS REQUIRED)
- ⑨ PVC MAIN LINE
- ⑩ 3" MIN. 6" MAX. CLEARANCE

QUICK COUPLING VALVE ASSEMBLY (2 1/2" AND SMALLER)

SCALE: NOT TO SCALE

P:\Data 11-25-2011 10:20 AM Pictures 31 - Kuro's Fredericks
 F:\P\11-25-2011 10:20 AM Pictures 31 - Kuro's Fredericks\LANDSCAPE\SYRACUSE\SYRACUSE\SYRACUSE\LANDSCAPE\STD3.DWG

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STD3
 DRAWN BY: JDM/ELC
 DESIGN BY: NQS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX

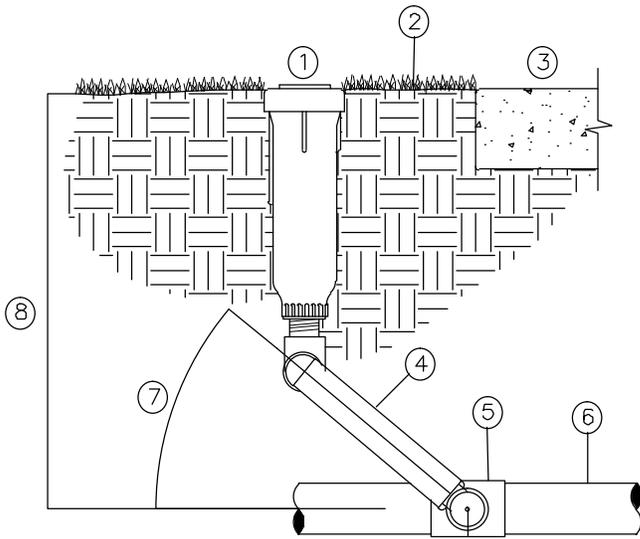


DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION
 QUICK COUPLING VALVE ASSEMBLY DETAIL - 2.5 INCHES AND SMALLER

SHEET

L12

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① POP-UP ROTOR SPRINKLER – SEE LEGEND
- ② TOP OF SPRINKLER WILL BE FLUSH WITH GRADE
- ③ NOTE: ALL SPRAY HEADS TO BE PLACED 2" CLEAR OF ALL HARDSCAPE SURFACES
- ④ LASCO UNITIZED SWING JOINT OR SPEARS SWING JOINT RISER ASSEMBLY; 12" MIN. LENGTH; SIZE AS REQUIRED
- ⑤ PVC SCH 40 SxSxT TEE OR (ELL)
- ⑥ PVC LATERAL LINE, SIZE AS NOTED ON PLAN
- ⑦ SWING JOINT ARM INSTALLED AT ANGLE BETWEEN 30 AND 45 DEG. OF LATERAL PIPE
- ⑧ DEPTH – SEE NOTES & TRENCH DETAIL

POP-UP GEAR DRIVE ROTOR SPRINKLER

SCALE: NOT TO SCALE

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE LANDSCAPE STDS
DRAWN BY:	JDM/ELC
DESIGN BY:	NOS
CHECKED BY:	RCW
LAST UPDATED:	11/3/2011
DATE ADOPTED:	XXXXXX



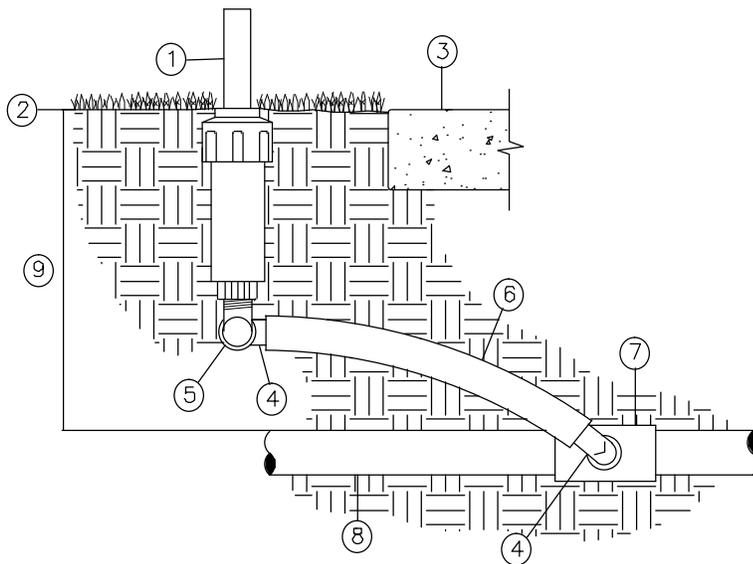
DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

POP-UP GEAR DRIVE ROTOR SPRINKLER DETAIL

SHEET

L14

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① POP-UP SPRAY HEAD – SEE IRRIGATION EQUIPMENT SCHEDULE
- ② TOP OF SPRINKLER WILL BE FLUSH WITH GRADE
- ③ NOTE: ALL SPRAY HEADS TO BE PLACED 2" CLEAR OF ALL HARDSCAPE SURFACES
- ④ SWING PIPE ELL WITH SPIRAL BARB FITTING (TYP.)
- ⑤ MARLEX STREET ELL
- ⑥ FLEXIBLE SWING PIPE, 12" MIN., 36" MAX. LENGTH
- ⑦ PVC SCH 40 SxSxT TEE (OR ELL)
- ⑧ PVC LATERAL LINE, SIZE AS NOTED ON PLAN
- ⑨ DEPTH – SEE TRENCH DETAIL & SPECIFICATIONS

POP-UP SPRAY / ROTARY SPRINKLER

SCALE: NOT TO SCALE

P:\Data\11-25-2011\11-25-2011 11:25:20 AM Plotter 31 - Kur's Fredericks
 F:\P\11-25-2011\11-25-2011 11:25:20 AM Plotter 31 - Kur's Fredericks

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STDS
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



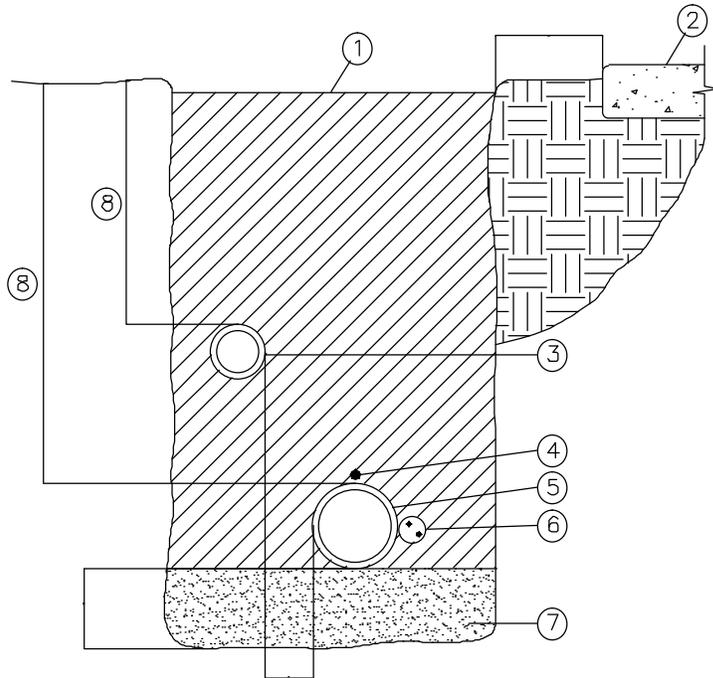
DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION

POP-UP SPRAY OR ROTARY SPRINKLER DETAIL

SHEET

L15

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① BACKFILL MATERIAL – SEE NOTES, COMPACT TO 90% MIN.
- ② ADJACENT HARD SURFACE
- ③ NON-PRESSURE LATERAL LINE
- ④ MAIN LINE LOCATOR WIRE. BURIED WITH ALL MAINLINES
- ⑤ PRESSURE MAIN LINE
- ⑥ DIRECT BURIAL, LOW VOLTAGE CONTROL WIRES; TO BE BURIED AND TAPED AT 10' INCREMENTS. LOCATE DIRECTLY ADJACENT TO MAIN LINE
- ⑦ BEDDING MATERIAL – SEE NOTES
- ⑧ PIPE DEPTHS – SEE NOTES

NOTE:
SEE SLEEVING DETAIL FOR TRENCHING IN PAVED AREAS.

TRENCH DETAIL

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:24 PM Pictures 31 - Kur's Pictures
 F:\PFiles\ESTANDARDS\ESTANDARDS\LANDSCAPE\SYRACUSE\FACTS\LANDSCAPE\STDSTD.DWG

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STDS
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



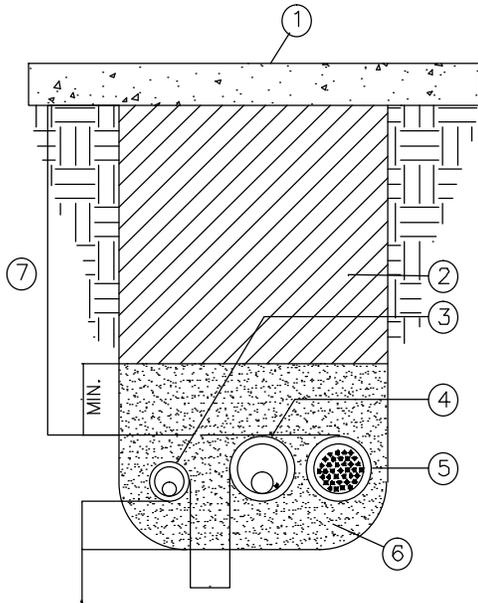
DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION

TRENCH DETAIL

SHEET

L17

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① HARDSCAPE SURFACE – SEE PLANS
- ② BACKFILL MATERIAL – SEE NOTES
- ③ LATERAL LINE WITH SLEEVE
- ④ PRESSURE MAIN LINE AND LOCATOR WIRE WITH SLEEVE
- ⑤ CONTROL WIRE SLEEVE (SEE PLANS FOR SIZE)
- ⑥ BEDDING MATERIAL – SEE NOTES
- ⑦ MINIMUM COVER:
12" UNDER WALKS
18" UNDER STREETS

NOTES:

- 1) SLEEVES 4" AND SMALLER USE PVC SCH. 40 PIPE.
- 2) SLEEVES >4" USE PVC CLASS 200 PIPE.
- 3) ALL SLEEVES SHALL BE TWO (2) TIMES LARGER THAN DIAMETER OF PIPE TO BE SLEEVED, UNLESS NOTED OTHERWISE ON THE PLANS.
- 4) INSTALL SLEEVES AT A DEPTH SUFFICIENT TO AVOID CONFLICT WITH OTHER UTILITIES AND MAINS.

SLEEVE DETAIL

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:21 AM\Project 31 - Kur's Fredericks
 F:\P\11-25-2011 10:21 AM\Project 31 - Kur's Fredericks\SYRACUSE\SYRACUSE\LANDSCAPE\STD\SYRACUSE.LANDSCAPE.STD.DWG

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE LANDSCAPE STDS
DRAWN BY:	JDM/ELC
DESIGN BY:	NQS
CHECKED BY:	RCW
LAST UPDATED:	11/3/2011
DATE ADOPTED:	XXXXXX



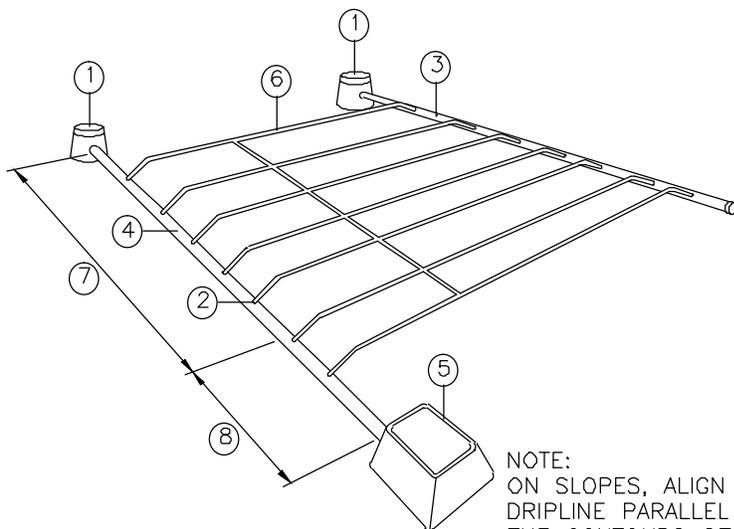
DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

SLEEVE DETAIL

SHEET

L18

NO.	REVISION DESCRIPTION	BY	APR.	DATE



NOTE:
ON SLOPES, ALIGN
DRIPLINE PARALLEL TO
THE CONTOURS OF THE
SLOPE.

- ① MANUAL FLUSH VALVE
PLUMBED TO PVC IN
LOWEST POINT
- ② TLIAPVC CONNECTOR
- ③ 1½" PVC EXHAUST HEADER
(SEE NOTES FOR DEPTH)
- ④ 1½" PVC SUPPLY HEADER
(SEE NOTES FOR DEPTH)
- ⑤ REMOTE CONTROL VALVE
ASSEMBLY
- ⑥ DRIPLINE TUBING LATERAL
– INSTALL AT GRADE
UNDER MULCH AND ON
TOP OF FABRIC (IF
FABRIC IS USED)
- ⑦ ON SLOPES, USE THE
SPECIFIED DRIPLINE
SPACING ON THE TOP ⅔
OF THE SLOPE
- ⑧ ON SLOPES, USE THE
SPECIFIED DRIPLINE
SPACING PLUS 25% ON
THE BOTTOM ⅓ OF SLOPE

DRIPLINE CIRCUIT LAYOUT

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:04 PM
 F:\P:\Data\11-25-2011 10:04 PM P:\Data\11-25-2011 10:04 PM P:\Data\11-25-2011 10:04 PM P:\Data\11-25-2011 10:04 PM P:\Data\11-25-2011 10:04 PM

STATEMENT OF USE
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS
STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION
FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY.
SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE
OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE LANDSCAPE STDS
DRAWN BY: JDM/ELC
DESIGN BY: NOS
CHECKED BY: RCW
LAST UPDATED: 11/3/2011
DATE ADOPTED: XXXXXX



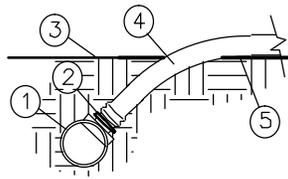
**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

DRIPLINE CIRCUIT LAYOUT

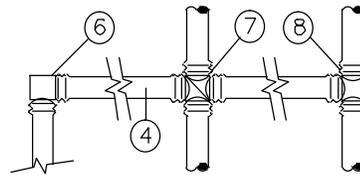
SHEET

L20

NO.	REVISION DESCRIPTION	BY	APR.	DATE



SECTION VIEW



PLAN VIEW

- ① 1 1/2" PVC HEADER
- ② TLIPVC CONNECTION
- ③ PLANTING BED FINISHED GRADE
- ④ DRIPLINE/BLANK TUBING
- ⑤ WEED BARRIER FABRIC (IF USED)
- ⑥ ELBOW
- ⑦ CROSS
- ⑧ TEE

DRIPLINE CONNECTIONS

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:04 AM Plotter 31 - Kur's Fredericks
 F:\P\11-25-2011 10:04 AM Plotter 31 - Kur's Fredericks

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE LANDSCAPE STDS
DRAWN BY:	JDM/ELC
DESIGN BY:	NQS
CHECKED BY:	RCW
LAST UPDATED:	11/3/2011
DATE ADOPTED:	XXXXXX



**DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION**

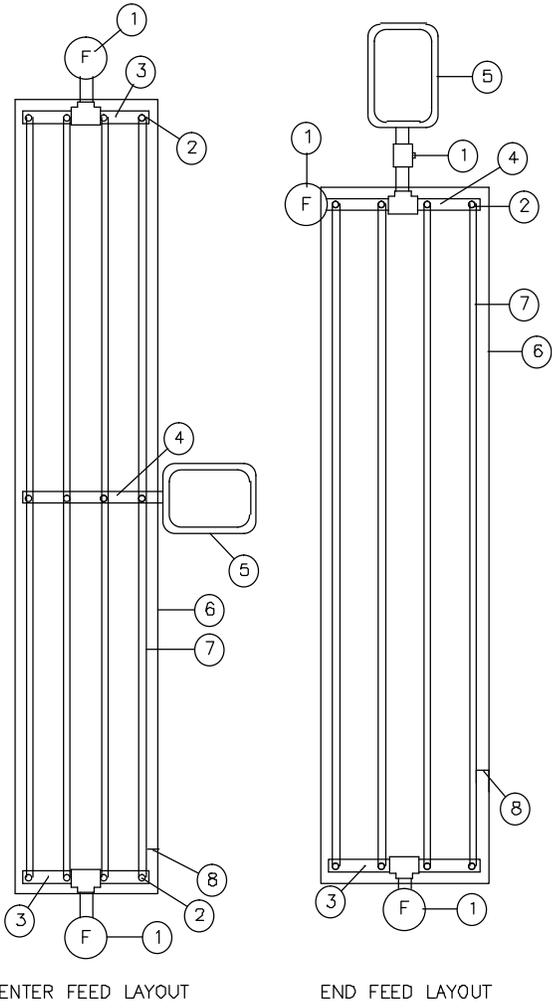
DRIPLINE CONNECTIONS

SHEET

L21

NO.	REVISION DESCRIPTION	BY	APR.	DATE

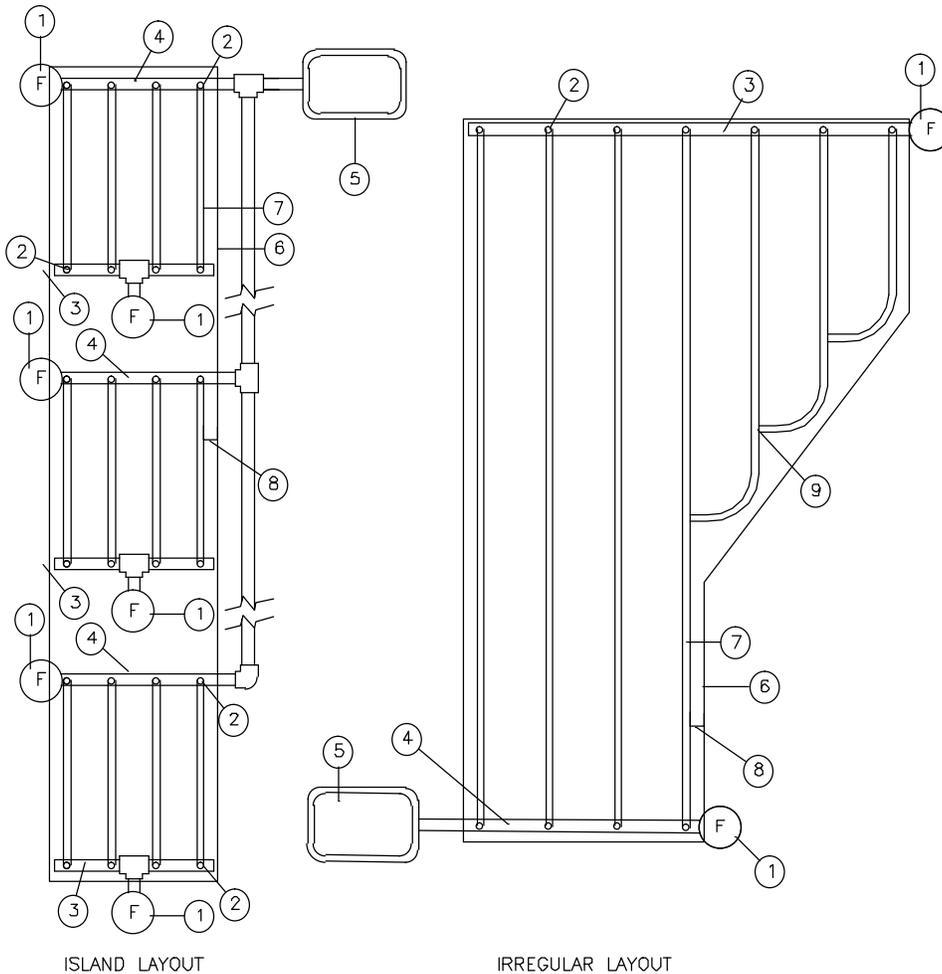
P:\Data\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks
 F:\P\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks\LANDSCAPE\SYRACUSE\FACTORY STATION\BOS\SYRACUSE\LANDSCAPE\STD3.DWG



- ① MANUAL FLUSH VALVE PLUMBED TO PVC IN LOWEST POINT
- ② TLIAPVC CONNECTOR
- ③ 1½" PVC EXHAUST HEADER
- ④ 1½" PVC SUPPLY HEADER
- ⑤ REMOTE CONTROL VALVE ASSEMBLY
- ⑥ AREA PERIMETER
- ⑦ DRIPLINE TUBING LATERAL
- ⑧ PERIMETER DRIPLINE TUBING LATERALS 2" TO 4" FROM EDGE
- ⑨ DRIPLINE TEE

INLINE DRIP LAYOUTS
 SCALE: NOT TO SCALE

<p>STATEMENT OF USE</p> <p>THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.</p>	<p>CAD FILE: SYRACUSE LANDSCAPE STDS</p> <p>DRAWN BY: JDM/ELC</p> <p>DESIGN BY: NOS</p> <p>CHECKED BY: RCW</p> <p>LAST UPDATED: 11/3/2011</p> <p>DATE ADOPTED: XXXXXX</p>	 <p>SYRACUSE EST. CITY 1935</p>	<p>DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION</p> <hr/> <p>INLINE DRIP LAYOUTS</p>	<p>SHEET</p> <p>L22</p>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 65%;">REVISION DESCRIPTION</th> <th style="width: 5%;">BY</th> <th style="width: 5%;">APR.</th> <th style="width: 5%;">DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION DESCRIPTION	BY	APR.	DATE									
NO.	REVISION DESCRIPTION	BY	APR.	DATE										



- ① MANUAL FLUSH VALVE PLUMBED TO PVC IN LOWEST POINT
- ② TLIAPVC CONNECTOR
- ③ 1½" PVC EXHAUST HEADER
- ④ 1½" PVC SUPPLY HEADER
- ⑤ REMOTE CONTROL VALVE ASSEMBLY
- ⑥ AREA PERIMETER
- ⑦ DRIPLINE TUBING LATERAL
- ⑧ PERIMETER DRIPLINE TUBING LATERALS 2" TO 4" FROM EDGE
- ⑨ DRIPLINE TEE

INLINE DRIP LAYOUTS

SCALE: NOT TO SCALE

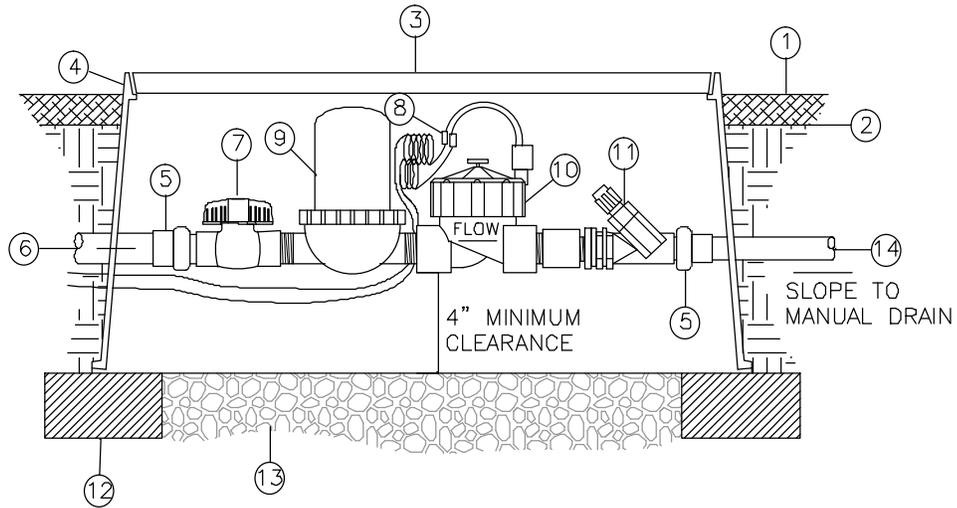
P:\Data\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks
 F:\P\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks\LANDSCAPE\SYRACUSE\LANDSCAPE\STD\3.DWG

STATEMENT OF USE			CAD FILE:		
THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.			SYRACUSE LANDSCAPE STDS		
			DRAWN BY: JDM/ELC		
			DESIGN BY: NOS		
			CHECKED BY: RCW		
			LAST UPDATED: 11/3/2011		
			DATE ADOPTED: XXXXXX		
NO.	REVISION DESCRIPTION	BY	APR.	DATE	



DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION
INLINE DRIP LAYOUTS

SHEET
L23



- ① PLANTING BED MULCH, SEE PLANTING NOTES FOR DEPTH
- ② FINISH GRADE
- ③ CARSON 1220 18" JUMBO SERIES VALVE BOX OR APPROVED EQUAL
- ④ 1" MAX. DEPTH
- ⑤ ACTION UNION - PART 18010-XX
PART 18011-XX
PART 18012-XX
- ⑥ FLOW FROM MAIN LINE
- ⑦ PLASTIC PVC BALL VALVE
- ⑧ 3M DBR/Y WATER TIGHT CONNECTORS
- ⑨ INLINE 1" FILTER
- ⑩ REMOTE CONTROL VALVE - SEE IRRIGATION EQUIPMENT SCHEDULE
- ⑪ INLINE PRESSURE REGULATOR
- ⑫ CONCRETE PAVERS ONLY
- ⑬ 4" MIN. DEPTH WASHED PEA GRAVEL
- ⑭ PVC SUPPLY HEADER

DRIP ZONE REMOTE CONTROL VALVE ASSEMBLY

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks
 F:\P\11-25-2011 10:05 PM Pictures 31 - Kuro's Fredericks\LANDSCAPE\SYRACUSE\SYRACUSE\LANDSCAPE\STD3.DWG

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STD3
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



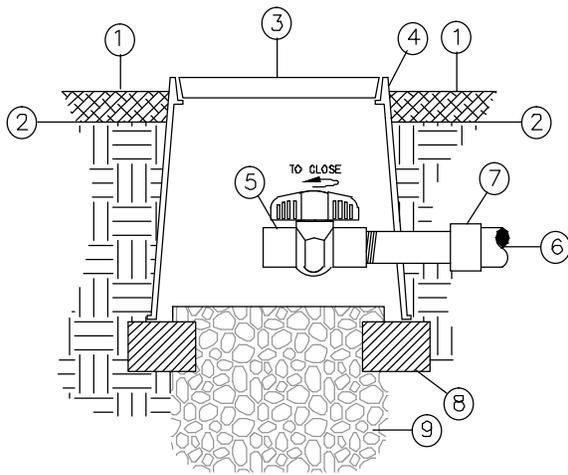
DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

DRIP ZONE REMOTE CONTROL VALVE ASSEMBLY DETAIL

SHEET

L24

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① PLANTING BED MULCH, SEE PLANTING NOTES FOR DEPTH
- ② FINISH GRADE
- ③ PLASTIC VALVE BOX CARSON 809 OR EQUAL FLUSH WITH GRADE
- ④ 1" MAX. DEPTH
- ⑤ BALL VALVE
- ⑥ PVC EXHAUST HEADER
- ⑦ PVC REDUCER ADAPER (S X 1/2") FPT (SIZE AS REQ'D)
- ⑧ CONCRETE PAVERS ONLY
- ⑨ 1 C.F. WASHED PEA GRAVEL

DRIP FLUSH VALVE (PLUMBED TO PVC)

SCALE: NOT TO SCALE

P:\Data 11-25-2011 10:05 AM
 F:\P:\Data 11-25-2011 10:05 AM P:\Data 11-25-2011 10:05 AM P:\Data 11-25-2011 10:05 AM P:\Data 11-25-2011 10:05 AM P:\Data 11-25-2011 10:05 AM

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
SYRACUSE LANDSCAPE STDS
DRAWN BY: JDM/ELC
DESIGN BY: NOS
CHECKED BY: RCW
LAST UPDATED: 11/3/2011
DATE ADOPTED: XXXXXX



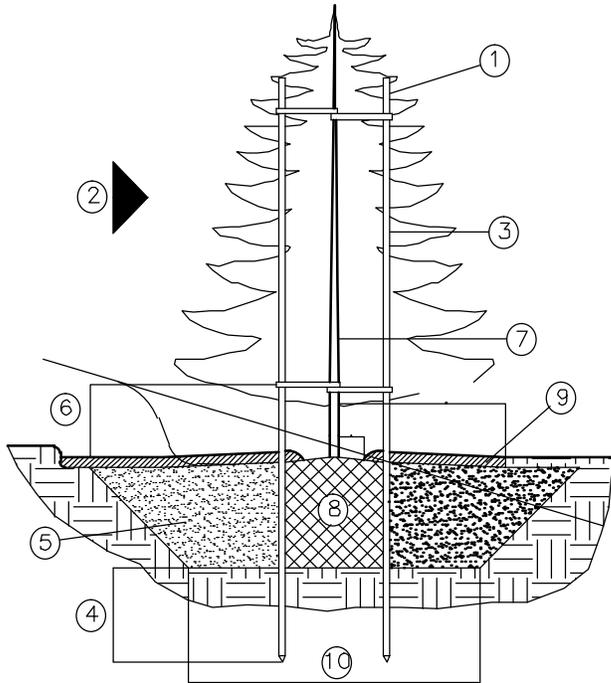
DEVELOPMENT STANDARDS
SYRACUSE CITY CORPORATION

DRIP FLUSH VALVE DETAIL

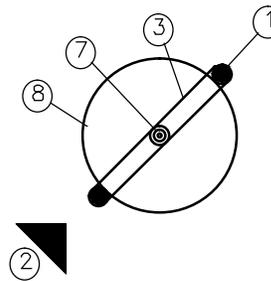
SHEET

L25

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① 2" DIA. OR 2"x2" SQ. x10' STRAIGHT WOODEN STAKE (2 REQUIRED)
- ② PREVAILING WIND DIRECTION
- ③ V.I.T. CINCH-TIE VINYL TREE TIE (2 PER STAKE, LENGTH AS REQUIRED). SECURE TO STAKE W/ GALV. NAIL, 1 PER TIE
- ④ 24" MIN.
- ⑤ SEE TREE/SHRUB PLANTING DETAIL
- ⑥ 18" MAX.
- ⑦ TREE TRUNK
- ⑧ ROOTBALL
- ⑨ 3" LAYER SHREDDED BARK MULCH AROUND EACH TREE IN 3' RADIUS CIRCLE (WHEN IN TURF)
- ⑩ 2x ROOTBALL DIA. MIN. W/ 45° SIDES



EVERGREEN TREE STAKING

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:30 AM Pictures 31 - Kuro's Fredericks
 F:\PFiles\ESTANDARDS\DEVELOPMENT STANDARDS\SYRACUSE\SYRACUSE\FACTSHEET\LANDSCAPE\STD\STD.DWG

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STDS
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



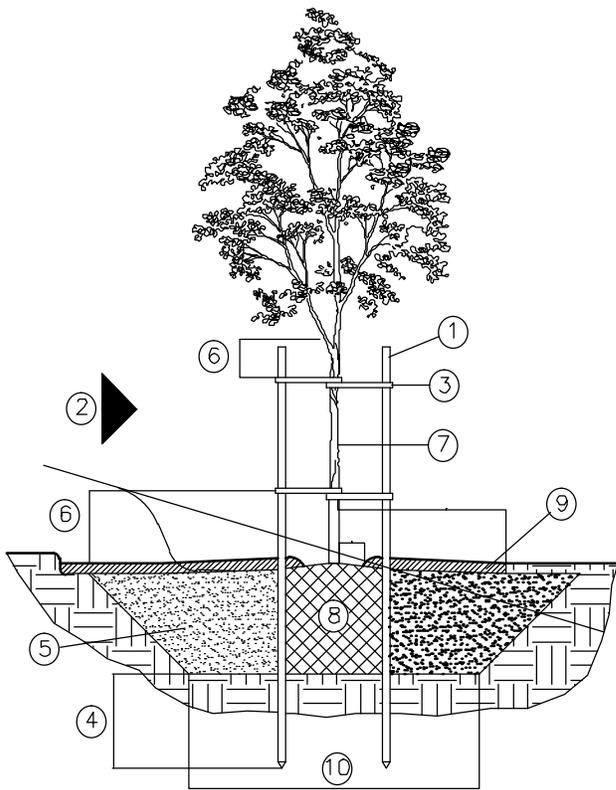
DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION

EVERGREEN TREE STAKING DETAIL

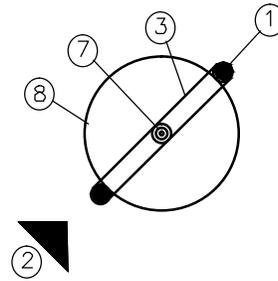
SHEET

L26

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① 2" DIA. OR 2"x2" SQ. x10' STRAIGHT WOODEN STAKE (2 REQUIRED)
- ② PREVAILING WIND DIRECTION
- ③ V.I.T. CINCH-TIE VINYL TREE TIE (2 PER STAKE, LENGTH AS REQUIRED). SECURE TO STAKE W/ GALV. NAIL, 1 PER TIE
- ④ 24" MIN.
- ⑤ SEE TREE/SHRUB PLANTING DETAIL
- ⑥ 6" MAX.
- ⑦ TREE TRUNK
- ⑧ ROOTBALL
- ⑨ 3" LAYER SHREDDED BARK MULCH AROUND EACH TREE (3' RADIUS CIRCLE WHEN IN TURF)
- ⑩ 2x ROOTBALL DIA. MIN. W/ 45° SIDES



DECIDUOUS TREE STAKING

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:30 AM Pictures 31 - Pictures\Fredricks
 F:\P\11-25-2011 10:30 AM Pictures 31 - Pictures\Fredricks\SYRACUSE\SYRACUSE\LANDSCAPE\STD\STD.DWG

STATEMENT OF USE
 THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:
 SYRACUSE LANDSCAPE STDS
 DRAWN BY: JDM/ELC
 DESIGN BY: NOS
 CHECKED BY: RCW
 LAST UPDATED: 11/3/2011
 DATE ADOPTED: XXXXXX



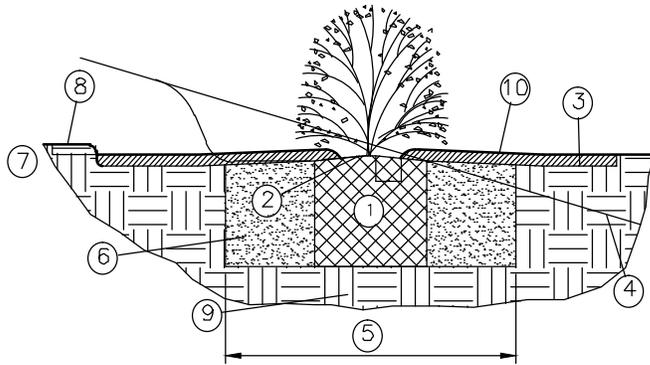
**DEVELOPMENT STANDARDS
 SYRACUSE CITY CORPORATION**

DECIDUOUS TREE STAKING DETAIL

SHEET

L27

NO.	REVISION DESCRIPTION	BY	APR.	DATE



- ① ROOTBALL
- ② CROWN – AT FINISH GRADE
- ③ FINISH GRADE
- ④ FINISH GRADE AT SLOPE (WHERE OCCURS)
- ⑤ 2x ROOTBALL DIA. MIN.
- ⑥ BACKFILL MIX (SEE PLANTING NOTES)
- ⑦ 2”
- ⑧ TOP OF PAVING (WHERE APPLICABLE)
- ⑨ UNDISTURBED SOIL
- ⑩ 3” LAYER SHREDDED BARK MULCH

PERENNIAL PLANTING

SCALE: NOT TO SCALE

P:\Data\11-25-2011\11-25-2011 11:25:01 AM\Project 31 - Kurig-Fredricks
 F:\PFiles\ESTAND\AD\FEDS\JULIA\LANDSCAPE\CITY STAN/AD/ROB\Syracuse\SYRACUSE\FACTS\LANDSCAPE STD.S.DWG

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE LANDSCAPE STD.S
DRAWN BY:	JDM/ELC
DESIGN BY:	NQS
CHECKED BY:	RCW
LAST UPDATED:	11/3/2011
DATE ADOPTED:	XXXXXX



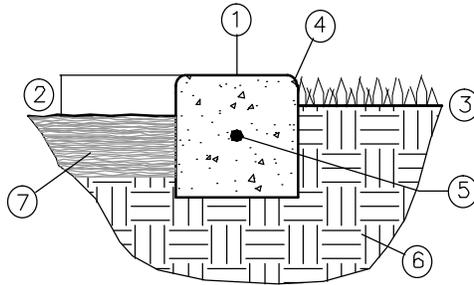
DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

PERENNIAL PLANTING DETAIL

SHEET

L29

NO.	REVISION DESCRIPTION	BY	APR.	DATE



NOTE:
 PROVIDE CONSTRUCTION OR
 CONTROL JOINTS AT 5' O.C. MAX.
 AND EXPANSION JOINTS WHERE
 MOWSTRIP ABUTS ANY MASONRY
 TYPE IMPROVEMENT.

- ① 6" X 6" CONCRETE MOW STRIP
(MIN. 2000 PSI AT 28 DAYS)
- ② FINISH GRADE AT 2" FOR
GROUNDCOVER AREAS
- ③ FINISH GRADE FOR LAWN AREAS: 1"
FOR SEED; 1-1/2" FOR SOD
- ④ 1/2" RADIUS TROWELED EDGES (TYP.)
- ⑤ #3 REBAR CONT. (LAP 12" AT
SPLICES)
- ⑥ UNDISTURBED OR 90% COMPACTED
SUBGRADE
- ⑦ 3" LAYER SHREDDED BARK MULCH
IN PLANTER BEDS

6" CONCRETE MOWSTRIP

SCALE: NOT TO SCALE

P:\Data\11-25-2011 10:05 AM\Projects\31-100-05-Fredricks
 F:\P\11-25-2011 10:05 AM\Projects\31-100-05-Fredricks\LANDSCAPE\31-100-05-Fredricks\LANDSCAPE STD3.DWG

STATEMENT OF USE

THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN SYRACUSE CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF SYRACUSE CITY. SYRACUSE CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

CAD FILE:	SYRACUSE LANDSCAPE STDS
DRAWN BY:	JDM/ELC
DESIGN BY:	NQS
CHECKED BY:	RCW
LAST UPDATED:	11/3/2011
DATE ADOPTED:	XXXXXX



DEVELOPMENT STANDARDS SYRACUSE CITY CORPORATION

6 INCH CONCRETE MOWSTRIP DETAIL

SHEET

L30

NO.	REVISION DESCRIPTION	BY	APR.	DATE