

# CONSTRUCTION STANDARDS

Issued February 23, 2023

Revision Log:

- 12/28/18: Revised STD 600.07 Standard Bench
- 2/1/19: Revised STD 300.26 Combination Domestic Fire Service
- 2/1/19: Revised STD 300.29 Combination Domestic Fire Service Plan View
- 2/1/19: Revised STD 300.55 Standard Installation Fire Hydrant
- 2/1/19: Revised STD 300.56 Gate Valve Installation
- 2/28/23: Added STD 100.02 Bikeways-Sidewalk Guideline Chart
- 2/28/23: Added STD 100.05 Crosswalk and Stop Bar Placement
- 2/28/23: Added STD 100.06 Crosswalk and Stop Bar Placement
- 2/28/23: Added STD 100.08 Color Coding for Curb Painting
- 2/28/23: Added STD 100.09 Monolithic Concrete Median Detail
- 2/28/23: Added STD 100.16 Typical Corner Curb Extension Placement Detail
- 2/28/23: Added STD 100.17 Typical Mid-Block Curb Extension Detail
- 2/28/23: Revised STD 200.11 Typical Local Street with Standard Curb & Gutter
- 2/28/23: Revised STD 200.41 Typical Major Collector Street with Standard Curb & Gutter
- 2/28/23: Revised STD 200.61 Typical Arterial Street with Standard Curb & Gutter
- 2/28/23: Revised STD 300.26 Combination Domestic Fire Service Domestic 4" or Greater Fire 4" or Greater
- 2/28/23: Revised STD 300.29 Configuration: Combination Domestic Fire Service "Plan Review"

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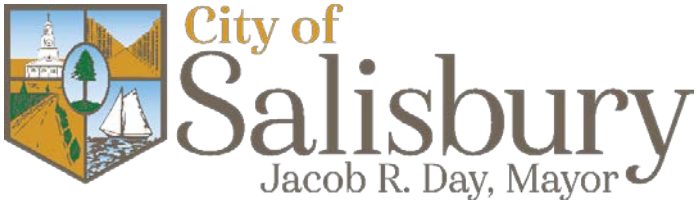
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## PREFACE

This book of "Construction Standards" has been prepared by the City of Salisbury – Department of Infrastructure and Development to provide Engineers, Contractors and Developers with a catalog of Construction Standard Details authorized by the City of Salisbury.

Any Standards previously issued by the City of Salisbury are herewith superseded as of the latest revision date shown on the pertinent Standard.

All Engineers, Land Surveyors, and Contractors involved with the construction of roadways and utilities authorized by the City of Salisbury should become thoroughly familiar with contents of this book.

All materials shall be new, standard production, and made in the United States of America unless otherwise approved as a substitute by the City of Salisbury before use of the material.

These Standards may be revised periodically to reflect changes in regulations and technology. Items may be added or deleted at the City's discretion. These Standards are not intended to cover all materials purchased, or construction performed by the City of Salisbury or its Contractors. The City of Salisbury reserves the right to default to the Maryland Department of Transportation State Highway Administration Standard Specifications for Construction and Materials Manual (Current Edition) for clarification and reference.

Any obvious errors found or any comments that you may have regarding these Standards are welcome and will be given due consideration. Please submit them to:

City of Salisbury  
Department of Infrastructure and Development  
125 North Division Street  
Room 202  
Salisbury, MD 21801- 4940  
Telephone: 410-548-3170

Effective Date: 07-14-94

Latest Revision Date: 01-02-18

TARGET MOTOR VEHICLE SPEED	TARGET (MAX.) MOTOR VEHICLE VOLUME (ADT)	KEY OPERATIONAL CONSIDERATIONS	APPLICABLE STREET CROSS-SECTION DETAIL	MOTOR VEHICLE LANES	LANE WIDTHS*		SIDEWALKS REQUIRED**	MINIMUM BIKE FACILITIES REQUIRED***	IS ON-STREET PARKING ALLOWED?	ADDITIONAL FEATURES REQUIRED
<15 MPH	N/A	DEAD-END/CUL-DE-SAC****	LOCAL STREET	2	10	10	YES, UNLESS DESIGNED AS SHARED STREET	BIKE BOULEVARD	YES	IF STREET IS DESIGNED TO ACCOMMODATE PARKING, CURB EXTENSIONS MUST BE PROVIDED AT FIRE HYDRANTS GUARANTEEING 20' CLEAR SPACE AT THOSE POINTS
		THRU STREET			8	10 MAX.				
20 MPH	<1,000-2,000	RESIDENTIAL	LOCAL STREET	2	10	10		BIKE BOULEVARD OR RAISED BIKE LANE	YES	PARKING AND CURB EXTENSIONS SHALL BE PROVIDED. LONG STRAIGHTAWAYS WITH LIMITED PARKING USE SHALL PROVIDE VERTICAL TRAFFIC CALMING ELEMENTS PER NACTO GUIDELINES
	<1,500-3,000	COMMERCIAL								
25 MPH	<1,500-3,000	ANY	MINOR COLLECTOR STREET	2	10	10	YES	RAISED BIKE LANE	YES	MIXED-USE STREETS WILL REQUIRE ADDITIONAL R.O.W. TO ACCOMMODATE LARGER SIDEWALKS, FRONTAGE ZONES, AND FURNISHING ZONES. SEE CITY OF SALISBURY COMPLETE STREETS DESIGN GUIDELINES FOR MORE
	3,000-6,000				10	11				
	6,000-9,000	INFREQUENT LEFT TURNS	MAJOR COLLECTOR STREET	2	11	11				
		FREQUENT LEFT TURN CONFLICTS		3	11	11				
	9,000+			3	11	11				
>26 MPH	<9,000	ANY	ARTERIAL STREET	3	11	11				CITY MAY REQUIRE CENTER TURN LANE TO BE A MEDIAN WITH ROUNDABOUTS AT MAJOR INTERSECTIONS BASED ON CRASH HISTORY AND TURN CONFLICT FREQUENCY
	9,000+									

\* LANE WIDTH MAY BE INCREASED TO 12' IF ANTICIPATED TRUCK VOLUME EXCEEDS 9% OF ADT

\*\* CITY RESERVES THE RIGHT TO INCREASE REQUIRED SIDEWALK WIDTH IN ORDER TO ACCOMMODATE ANTICIPATED PEDESTRIAN VOLUME.

\*\*\* CITY RESERVES THE RIGHT TO REQUIRE MORE PROTECTIVE BIKE FACILITIES AS NEEDED DUE TO ANTICIPATED BIKE VOLUMES, TURN CONFLICTS AND OTHER SAFETY HAZARDS.

ALL BIKE FACILITIES SHALL BE DESIGNED AND INSTALLED PER THE NACTO URBAN BIKEWAY DESIGN GUIDE (LATEST EDITION) AND AASHTO GUIDELINES FOR THE DEVELOPMENT OF BICYCLE FACILITIES (LATEST EDITION) AND ANY OTHER GUIDELINES DEEMED APPLICABLE FOR THE SPECIFIC CIRCUMSTANCES PER THE CITY ENGINEER.

\*\*\*\* CUL-DE-SACS AND DEAD-ENDS ARE EXPLICITLY DISCOURAGED AND THE CITY MAY REQUIRE THE INSTALLATION OF SHARED-USE PATHS FROM SUCH STREET TYPES INTO THE LARGER GRID TO ENSURE SUCCESSFUL PED/BIKE ROUTES. CONNECTIVITY OF THE STREET GRID IS DESIRED. CONSTRUCTION OF SHARED STREETS IS HIGHLY ENCOURAGED IN MOST LOCAL STREET CONTEXTS.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED

  
CITY ENGINEER

12-8-22

DATE

## BIKEWAY-SIDEWALK GUIDELINE CHART

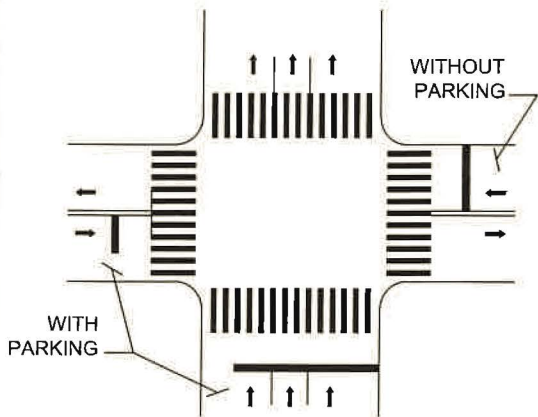
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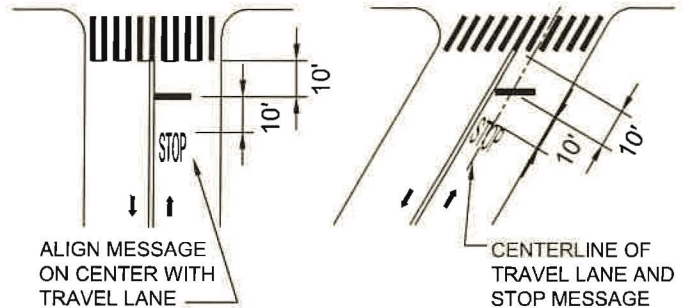
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STD. NO 100.02

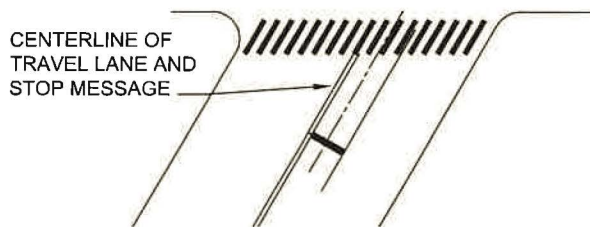
TYPICAL CROSSWALK & STOP BARS



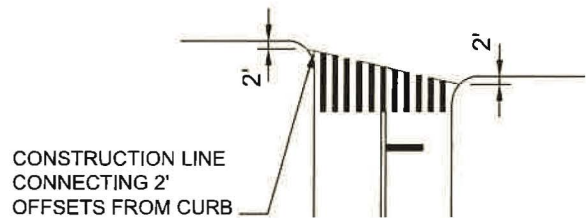
DETAIL A:  
TYPICAL STOP BAR & STOP MESSAGE PLACEMENT



DETAIL B:  
OPTIONAL STAGGERED STOP BAR FOR CONSTRAINED TURNS



DETAIL C:  
TRAPEZOIDAL CROSSWALKS AT OFFSET CURBLINES



1. THE FRONT OF CROSSWALK SHALL BE SET BACK 2' FROM THE CURBLINE UNLESS OTHERWISE SPECIFIED BY THE ENGINEER OR FOR ACCESSIBILITY (SEE NOTE 2).
2. AT CORNERS WITH APEX PEDESTRIAN RAMP, THE LANDING AREA MUST FALL WITHIN THE CROSSWALKS, IN SOME CASES REQUIRING WIDENING OF THE CROSSWALK(S) OR MARKING AN EXTENSION AT THE CORNER.
3. CROSSWALKS SHALL BE INSTALLED AT ANY SIGNALIZED, STOP-CONTROLLED, OR YIELD-CONTROLLED LEG OF AN INTERSECTION, UNLESS OTHERWISE SPECIFIED.
4. STOP BARS SHALL BE INSTALLED IN ANY SIGNALIZED OR STOP CONTROLLED TRAVEL LANE ENTERING THE INTERSECTION
5. ALL STOP BARS SHALL BE 10' OFFSET FROM THE BACK OF THE CROSSWALK, PARALLEL TO THE BACK OF CROSSWALK, UNLESS OTHERWISE SPECIFIED.
6. STOP BARS MAY BE STAGGERED OR SETBACK TO ACCOMMODATE LARGE VEHICLE TURNS.
7. PRESENCE OR ABSENCE OF CURBSIDE PARKING SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. STOP BARS SHOULD EXTEND TO PARKING LANE STRIPE ON STREETS WITH STRIPED CURBSIDE PARKING. STOP BARS SHOULD EXTEND TO 8' FROM CURB, OR AS DETERMINED BY ENGINEER, ON STREETS WITH UNSTRIPED CURBSIDE PARKING.
8. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ON A PLAN OR ORDER, THE BACK OF CROSSWALK SHALL EXTEND TO WHICHEVER IS GREATEST OF THE FOLLOWING: THE BUILDING LINE (BACK OF SIDEWALK IF ADJACENT PARCEL IS UNDEVELOPED), THE FULL EXTENT OF THE CORRESPONDING CURB RAMP'S LANDING AREA, OR A MINIMUM WIDTH OF 8'.

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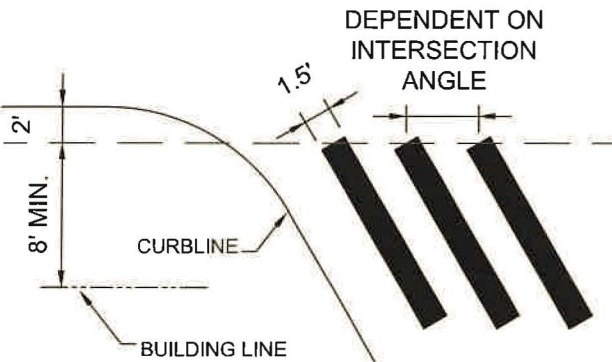
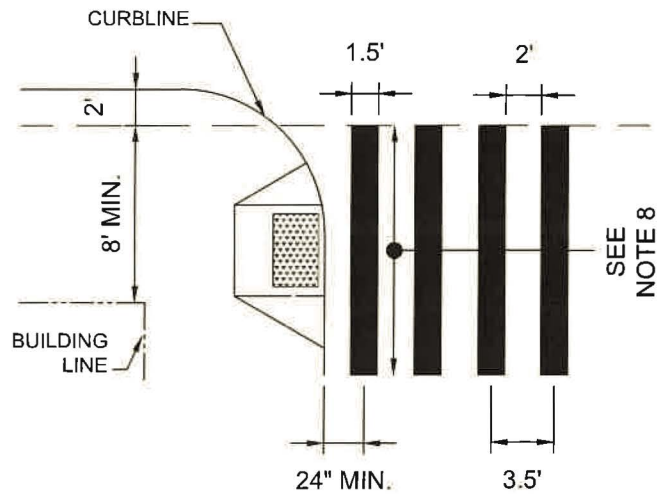
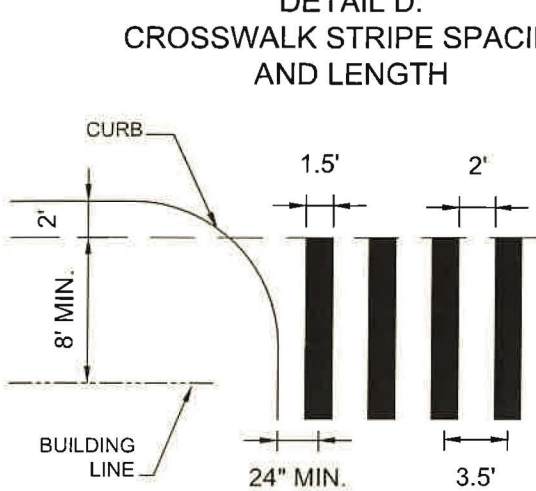
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*12-8-22*  
DATE  
*Jennifer Lind*  
CITY ENGINEER

CROSSWALK AND  
STOP BAR  
PLACEMENT

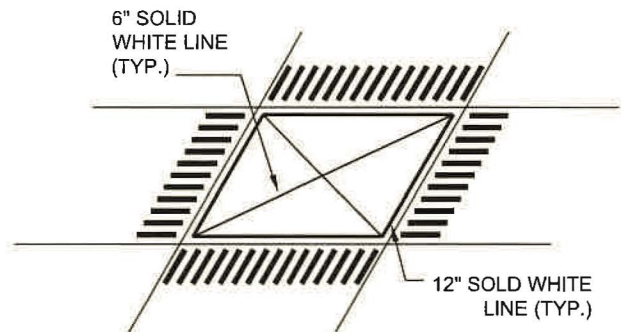
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DWG. NO. STD10005  
STD. NO. 100.05



DETAIL D:  
CROSSWALK STRIPE SPACING  
AND LENGTH



DO NOT BLOCK  
INTERSECTION MARKINGS



1. THE FRONT OF CROSSWALK SHALL BE SET BACK 2' FROM THE CURBLINE UNLESS OTHERWISE SPECIFIED BY THE ENGINEER OR FOR ACCESSIBILITY (SEE NOTE 2).
2. AT CORNERS WITH APEX PEDESTRIAN RAMP, THE LANDING AREA MUST FALL WITHIN THE CROSSWALKS, IN SOME CASES REQUIRING WIDENING OF THE CROSSWALK(S) OR MARKING AN EXTENSION AT THE CORNER.
3. CROSSWALKS SHALL BE INSTALLED AT ANY SIGNALIZED, STOP-CONTROLLED, OR YIELD-CONTROLLED LEG OF AN INTERSECTION, UNLESS OTHERWISE SPECIFIED.
4. STOP BARS SHALL BE INSTALLED IN ANY SIGNALIZED OR STOP CONTROLLED TRAVEL LANE ENTERING THE INTERSECTION
5. ALL STOP BARS SHALL BE 10' OFFSET FROM THE BACK OF THE CROSSWALK, PARALLEL TO THE BACK OF CROSSWALK, UNLESS OTHERWISE SPECIFIED.
6. STOP BARS MAY BE STAGGERED OR SETBACK TO ACCOMMODATE LARGE VEHICLE TURNS.
7. PRESENCE OR ABSENCE OF CURBSIDE PARKING SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. STOP BARS SHOULD EXTEND TO PARKING LANE STRIPE ON STREETS WITH STRIPED CURBSIDE PARKING. STOP BARS SHOULD EXTEND TO 8' FROM CURB, OR AS DETERMINED BY ENGINEER, ON STREETS WITH UNSTRIPED CURBSIDE PARKING.
8. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER ON A PLAN OR ORDER, THE BACK OF CROSSWALK SHALL EXTEND TO A MINIMUM WIDTH OF 8'.

CITY OF  
SALISBURY  
SALISBURY, MD

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*Jeff Hind*

DATE

10-8-22

CITY ENGINEER

CROSSWALK AND  
STOP BAR  
PLACEMENT

DATE 6/27/21

SCALE NONE

DWG. NO. STD10006

STD. NO. 100.06



RED - No Parking



GREEN - Short Term Parking



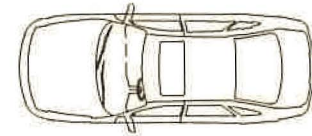
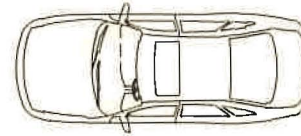
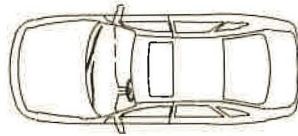
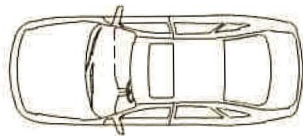
YELLOW - Commercial Loading Zone



BLUE - Handicap Parking



NO COLOR - Signage indicates classification



EXAMPLE OF CURB PAINTING

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2-23-23

DATE

# COLOR CODING FOR CURB PAINTING

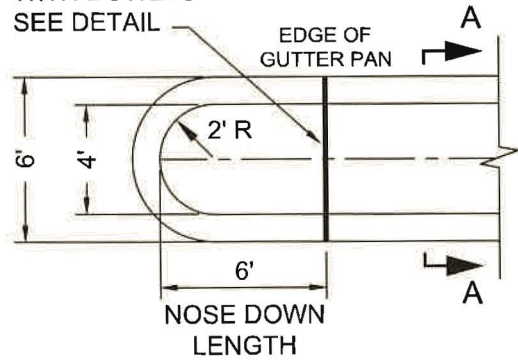
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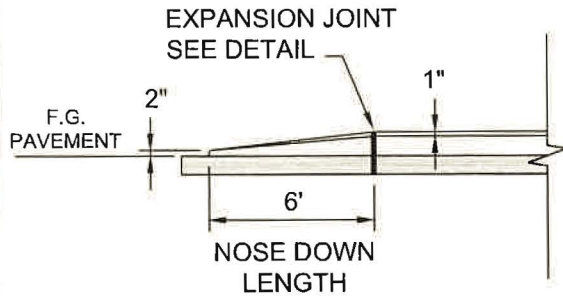
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STD. NO 100.08

EXPANSION JOINT WITH DOWELS  
SEE DETAIL

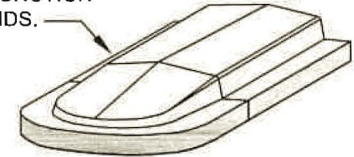


**CONCRETE MEDIAN NOSE DOWN**  
PLAN VIEW

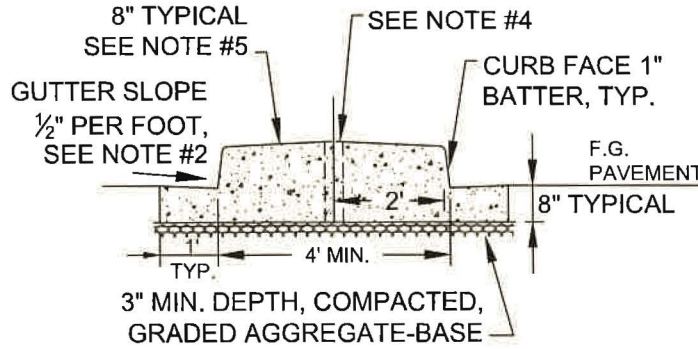


**NOSE DOWN AT APPROACH END**  
PROFILE VIEW

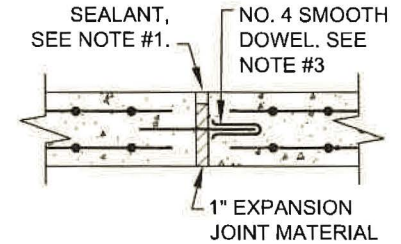
THIS 6" NOSE DOWN MAY ALSO BE USED IN CONJUNCTION WITH CURB ISLANDS.



**CONCRETE NOSE DOWN**  
ISOMETRIC VIEW



**8" CURB & GUTTER MONOLITHIC CONCRETE MEDIAN SECTION AA**  
NOT TO SCALE



**EXPANSION JOINT DETAIL**

**NOTES**

1. ALL CONCRETE FOR MONOLITHIC CONCRETE MEDIAN SHALL BE MD DEPT. OF TRANS. S.H.A. MIX NO. 3 WITH A 28 DAY COMPRESSIVE STRENGTH OF 3,500 P.S.I., AND SHALL HAVE AIR ENTRAINMENT OF 6%. ALL EXPOSED SURFACES SHALL HAVE A BROOM FINISH. SAW CUT JOINTS WILL BE INSTALLED AT 10' MAXIMUM INTERVALS AND 1" EXPANSION JOINTS AT 40' MAXIMUM INTERVALS. 1" MINIMUM RECYCLE TIRE RUBBER EXPANSION SHALL BE POSITIONED SLIGHTLY DEPRESSED FROM FLUSH, BUT NO MORE THAN 3/16" FROM FLUSH WITH SURFACE. SAW CUT JOINTS SHALL BE FILLED NO MORE THAN 24 HOURS AFTER CUT WITH SIKA TWO-PART ELASTOMERIC SEALANT OR APPROVED EQUIVALENT.
2. THE GUTTER PAN SLOPE SHALL BE 1/2" PER FOOT EXCEPT WHERE PAVEMENT SLOPES DIRECT WATER AWAY FROM THE MEDIAN, THEN THE GUTTER PAN PORTION OF MEDIAN ON THE HIGH SIDE OF THE STREET SHALL SLOPE TO MATCH THE ADJACENT PAVEMENT. THE CURB PORTION AND THE GUTTER PAN PORTION OF ALL MEDIAN SHALL BE PLACED MONOLITHIC.
3. 1" EXPANSION JOINTS SHALL RECEIVE 12" LONG NO. 4 SMOOTH DOWELS AT MID-DEPTH IN THE MEDIAN AT 12" OC..C. WITH A GREASED CAP ON ONE END, WITH 5" OF DOWEL ON EITHER SIDE OF THE JOINT.
4. INSTALL 4" Ø SCH 40 PVC SLEEVES FOR SIGN POSTS AT LOCATIONS DIRECTED BY THE CITY ENGINEER IN THE CENTER OF THE MEDIAN. SLEEVES SHALL BE 18" IN LENGTH, FLUSH WITH THE TOP SURFACE AND PLUMB.
5. 6" CURB FACE IN AREAS OF PARKING MAY BE USED WITH CITY ENGINEER APPROVAL. ALSO, THE GUTTER PAN MAY BE ELIMINATED DEPENDING ON DRAINAGE, BUT ONLY WITH CITY ENGINEER APPROVAL.

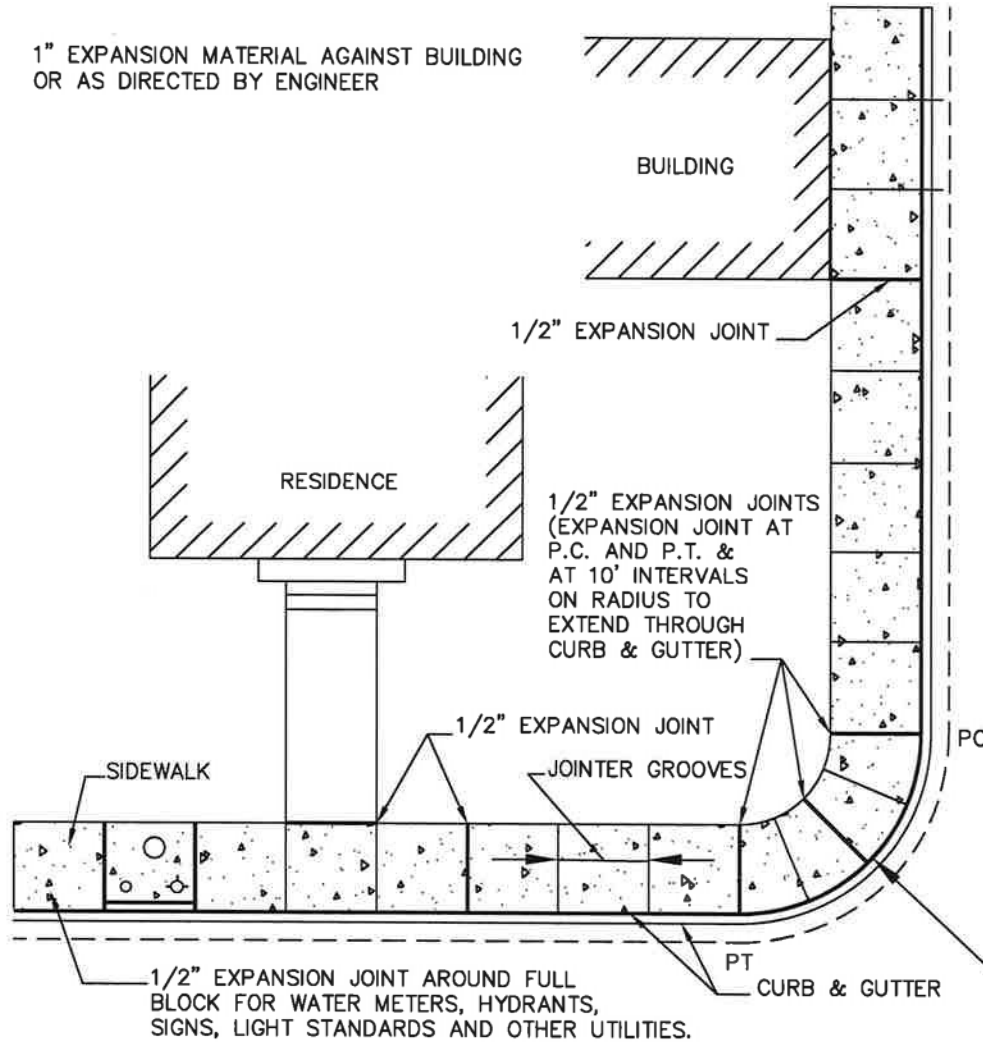
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SALISBURY, MD

APPROVED  
*John Lind*  
CITY ENGINEER  
12-8-22  
DATE

**MONOLITHIC CONCRETE  
MEDIAN  
DETAIL**

DATE 9/06/21  
SCALE N.T.S.  
DWG. NO. STD10009  
STD. NO 100.09

1" EXPANSION MATERIAL AGAINST BUILDING OR AS DIRECTED BY ENGINEER



**NOTES**

1. ALL EXPANSION MATERIAL SHALL BE OF A NON-EXTRUDING TYPE CONFORMING TO A.S.T.M. SPECIFICATION DESIGNATION D-544.
2. ALL EXPANSION JOINTS TO BE 1/2" WIDE X FULL THICKNESS OF CONCRETE UNLESS OTHERWISE SHOWN.
3. EXPANSION JOINTS SHALL BE PLACED AT 20' INTERVALS (MAX.) RADIAL JOINTS AT STREET. RETURNS SHALL BE PLACED EVERY 10' OR AS DIRECTED BY ENGINEER.
4. ALL JOINTS TO BE NEATLY TRIMMED AND PLACED SO AS TO BE 1/8" BELOW FINISHED SURFACE.
5. EXPANSION JOINTS SHALL BE PLACED IN ALL LOCATIONS SHOWN AND AS DIRECTED BY ENGINEER.
6. WHERE CURB AND SIDEWALK ONLY IS POURED, EXPANSION JOINTS SHALL EXTEND COMPLETELY THROUGH CURB.
7. NO ADDITIONAL PAYMENT FOR EXPANSION JOINTS SHALL BE MADE. THIS MUST BE INCLUDED IN PRICE BID FOR CURB, GUTTER, AND SIDEWALK.

**CONCRETE WORKMANSHIP**

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

**CITY OF SALISBURY**  
**SALISBURY, MD**

APPROVED

*1/2/18*

DATE

*Amanda H. Belack*  
CITY ENGINEER

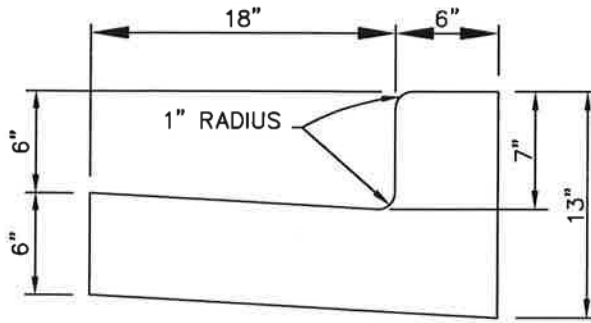
**CURB, GUTTER, AND SIDEWALK  
EXPANSION JOINTS**

DATE 1/13/77

SCALE N.T.S.

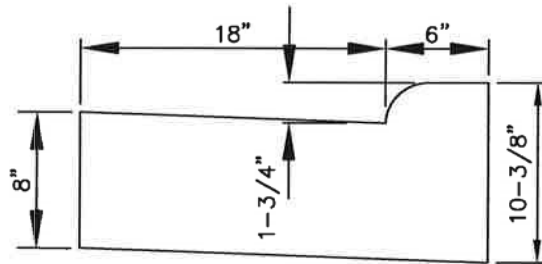
DWG NO. STD10010

STD. NO 100.10



A

STANDARD CURB & GUTTER



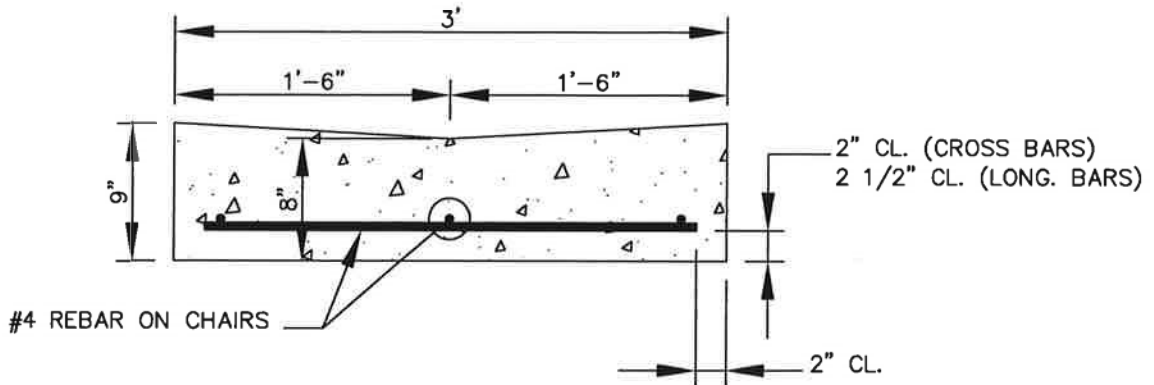
B

STANDARD CURB & GUTTER IN DRIVEWAYS

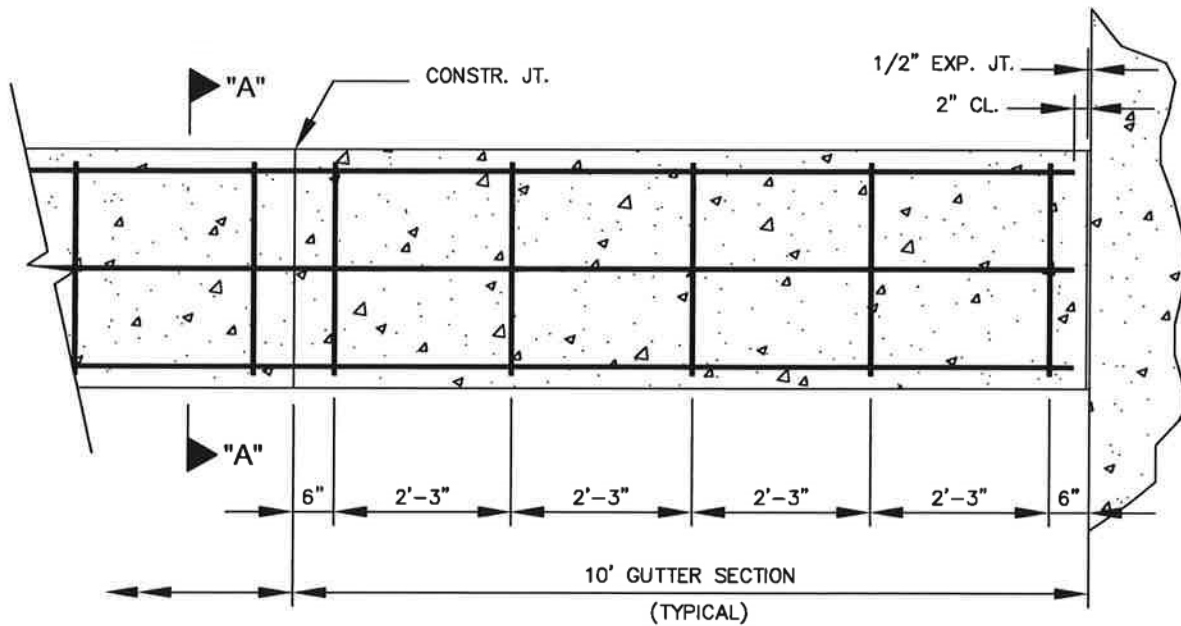
CONCRETE WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED  
 UNDER CONSTRUCTION METHODS & MATERIALS—CONCRETE  
 IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR  
 UTILITY AND ROADWAY CONSTRUCTION" MANUAL  
 LATEST REVISION.

<b>CITY OF SALISBURY SALISBURY, MD</b>	APPROVED	<b>STANDARD DETAILS FOR CURB &amp; GUTTER</b>	DATE	3/16/95
			SCALE	NONE
			DWG. NO.	STD10011
			STD. NO.	100.11
	1/2/10 <i>Amanda Pollack</i> CITY ENGINEER			



**SECTION "A-A"**



**PLAN**

**CONCRETE WORKMANSHIP**

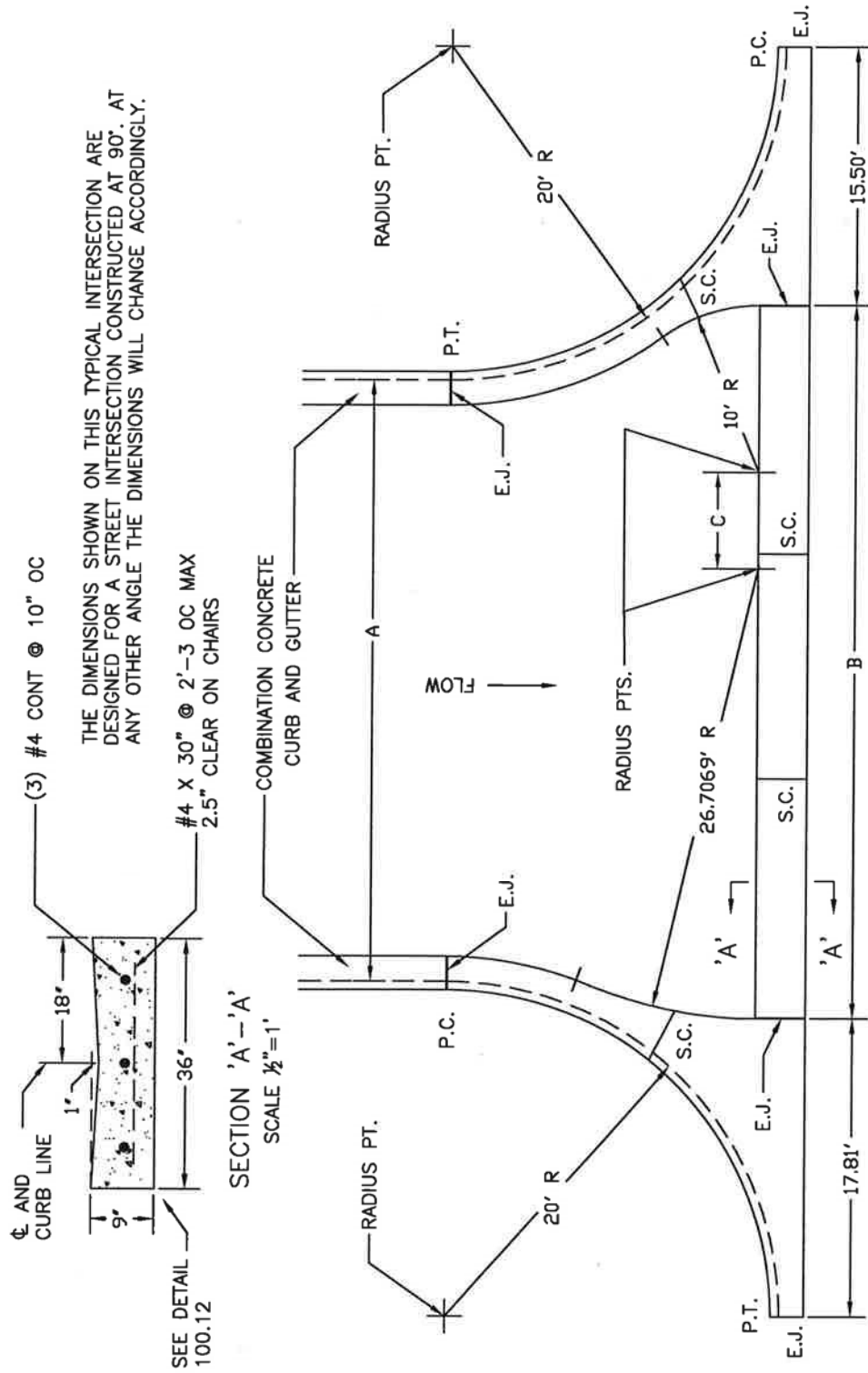
UNLESS OTHERWISE SPECIFIED, CONCRETE WORKMANSHIP SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS- CONCRETE SECTION IN THE "CONSTRUCTION & MATERIALS SPECIFICATIONS FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amazda Pollack*  
DATE  
CITY ENGINEER

STANDARD DETAIL FOR  
VEE-GUTTER  
CONSTRUCTION

DATE 7/13/05  
SCALE NTS  
DWG. NO. STD10012  
STD. NO. 100.12



THE DIMENSIONS SHOWN ON THIS TYPICAL INTERSECTION ARE DESIGNED FOR A STREET INTERSECTION CONSTRUCTED AT 90°. AT ANY OTHER ANGLE THE DIMENSIONS WILL CHANGE ACCORDINGLY.

SECTION 'A'-'A'  
SCALE 1/2"=1'

A	B	C
26'	32.69'	-4'
30'	36.69'	0'
36'	42.69'	6'
40'	46.69'	10'

PLAN VIEW

NOTES:

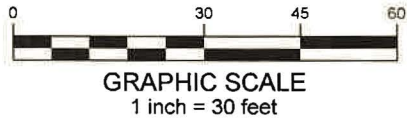
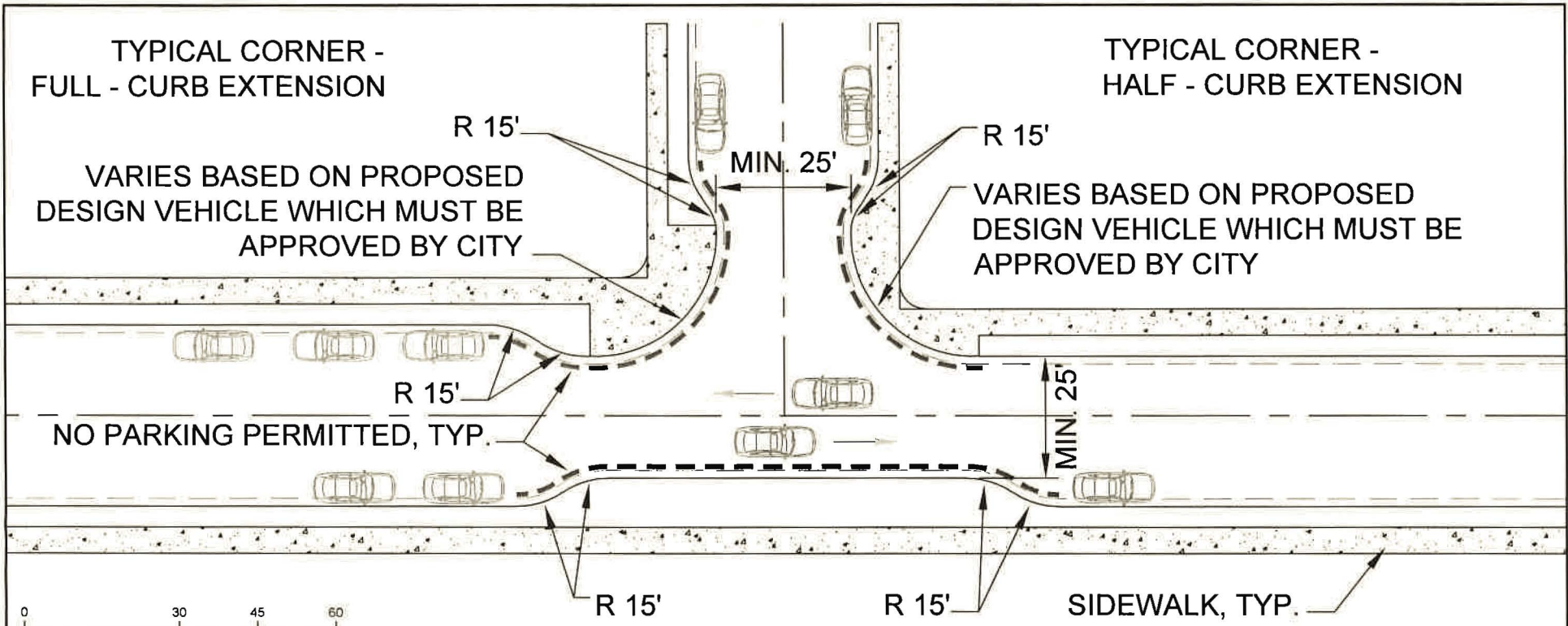
1. CONCRETE - MD. S.H.A. MIX NO.2
2. FINISH - LIGHT TO MEDIUM BROOM FINISH
3. E.J. = EXPANSION JOINT WITH PREFORMED JOINT FILLER (FULL DEPTH OF CONCRETE) BITUMINOUS FIBER TYPE - AASHTO M 213
4. CONTROL JOINTS AT 10' O.C. MIN. IN VALLEY GUTTER AND CURB & GUTTER.
5. S.C. = SAW CUT BEFORE CURING 1/3 DEPTH
6. SEE CITY OF SALISBURY STANDARD 100.12 FOR VALLEY GUTTER DESIGN

CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
Amanda Pellack  
CITY ENGINEER


CONCRETE VALLEY GUTTER

DATE 03/28/12  
SCALE N.T.S.  
DWG. NO. STD10014  
STD. NO. 100.14



- CURB EXTENSION WIDTH IS TYPICALLY ONE FOOT LESS THAN THE WIDTH OF THE PARKING LANE. MINIMUM CURB EXTENSION LENGTH IS TYPICALLY EQUAL TO THE FULL WIDTH OF THE CROSSWALK, HOWEVER IT CAN BE LONGER WHEN APPROPRIATE OR NECESSARY.
- MUST ACCOMMODATE DESIGN VEHICLE; WHEN A CURB EXTENSION CONFLICTS WITH DESIGN VEHICLE TURNING MOVEMENTS, THE CURB EXTENSION SHOULD BE REDUCED IN SIZE RATHER THAN ELIMINATED WHEREVER POSSIBLE.
- AT CROSSINGS THAT HAVE LOW PEDESTRIAN VISIBILITY, CURB EXTENSION SHOULD BE LONG ENOUGH TO "DAYLIGHT" THE CROSSING, I.E. PROVIDE OPEN SIGHT LINES TO THE PEDESTRIAN CROSSING FOR APPROACHING MOTORISTS.
- CURB EXTENSIONS MUST BE DESIGNED SO AS TO MAINTAIN DRAINAGE OF STORM WATER FROM THE GUTTER AND NOT CAUSE PONDING; DEPENDING ON SITE SPECIFIC GRADING CONDITIONS. THIS MIGHT INCLUDE PROPERLY LOCATING OR RELOCATING CATCH BASINS OR UTILIZING DESIGN TREATMENTS THAT CHANNEL WATER THROUGH, AROUND OR IN BETWEEN CURB EXTENSION AND THE CURBLINE.
- WHEN A CURB EXTENSION IS USED ADJACENT TO A FIRE HYDRANT, THE LENGTH OF THE CURB EXTENSION SHOULD BE EQUAL TO OR GREATER THAT THE NO PARKING ZONE (TYPICALLY 20 FEET IN EITHER DIRECTION) AND THE HYDRANT SHOULD BE MOVED ONTO THE CURB EXTENSION.
- PAVING ON A CURB EXTENSION SHOULD MATCH THAT OF THE SURROUNDING SIDEWALKS.

CITY OF SALISBURY  
 SALISBURY, MD

APPROVED  
  
 CITY ENGINEER

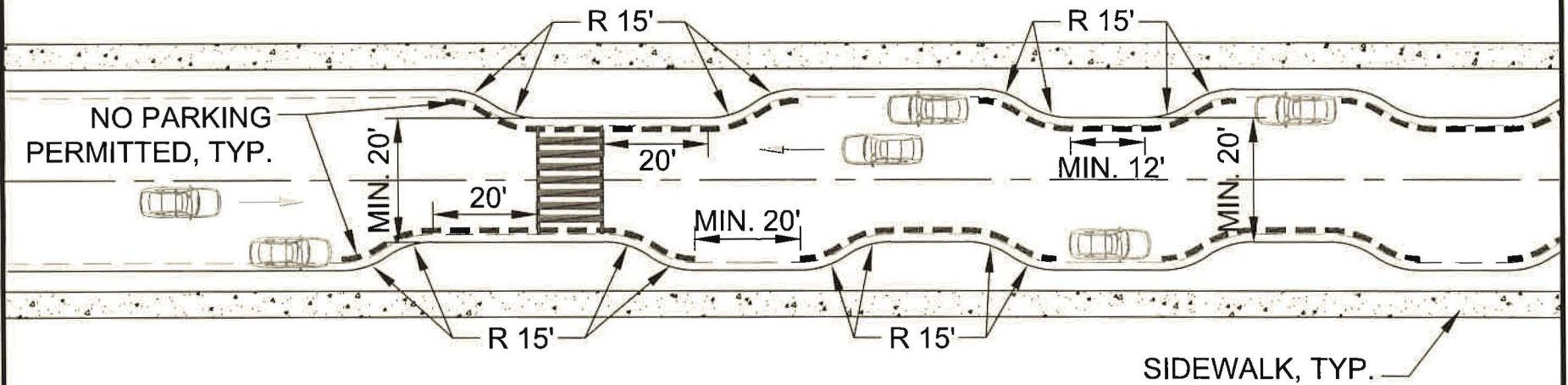
2-23-23  
 DATE

**TYPICAL CORNER CURB  
 EXTENSION PLACEMENT  
 DETAIL**

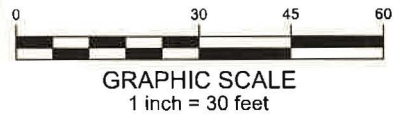
DATE	9/06/21
SCALE	1"=30'
DWG. NO.	STD10016
STD. NO	100.16



TYPICAL MID-BLOCK  
CURB EXTENSION -  
CROSSWALKS



TYPICAL MID-BLOCK  
CURB EXTENSION



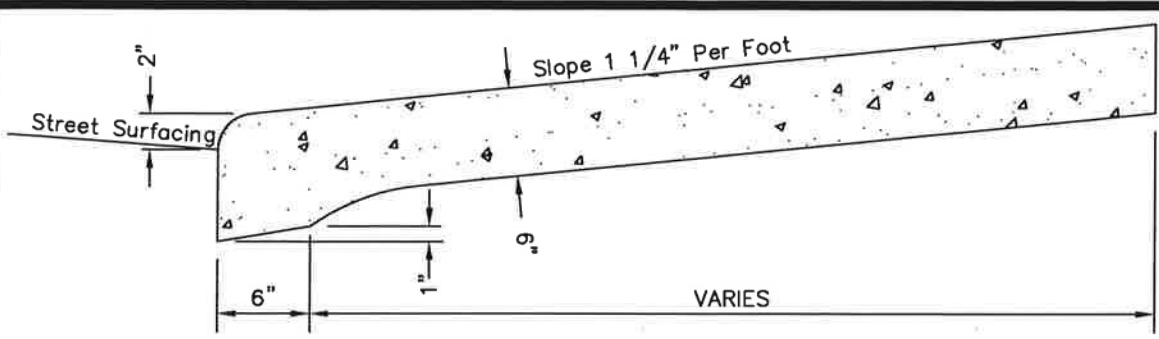
- CURB EXTENSION WIDTH IS TYPICALLY ONE FOOT LESS THAN THE WIDTH OF THE PARKING LANE. MINIMUM CURB EXTENSION LENGTH IS TYPICALLY EQUAL TO THE FULL WIDTH OF THE CROSSWALK, HOWEVER IT CAN BE LONGER WHEN APPROPRIATE OR NECESSARY.
- MUST ACCOMMODATE DESIGN VEHICLE; WHEN A CURB EXTENSION CONFLICTS WITH DESIGN VEHICLE TURNING MOVEMENTS, THE CURB EXTENSION SHOULD BE REDUCED IN SIZE RATHER THAN ELIMINATED WHEREVER POSSIBLE.
- AT CROSSINGS THAT HAVE LOW PEDESTRIAN VISIBILITY, CURB EXTENSION SHOULD BE LONG ENOUGH TO "DAYLIGHT" THE CROSSING, I.E. PROVIDE OPEN SIGHT LINES TO THE PEDESTRIAN CROSSING FOR APPROACHING MOTORISTS.
- CURB EXTENSIONS MUST BE DESIGNED SO AS TO MAINTAIN DRAINAGE OF STORM WATER FROM THE GUTTER AND NOT CAUSE PONDING; DEPENDING ON SITE SPECIFIC GRADING CONDITIONS. THIS MIGHT INCLUDE PROPERLY LOCATING OR RELOCATING CATCH BASINS OR UTILIZING DESIGN TREATMENTS THAT CHANNEL WATER THROUGH, AROUND OR IN BETWEEN CURB EXTENSION AND THE CURBLINE.
- WHEN A CURB EXTENSION IS USED ADJACENT TO A FIRE HYDRANT, THE LENGTH OF THE CURB EXTENSION SHOULD BE EQUAL TO OR GREATER THAT THE NO PARKING ZONE (TYPICALLY 20 FEET IN EITHER DIRECTION) AND THE HYDRANT SHOULD BE MOVED ONTO THE CURB EXTENSION.
- PAVING ON A CURB EXTENSION SHOULD MATCH THAT OF THE SURROUNDING SIDEWALKS.

CITY OF SALISBURY  
SALISBURY, MD

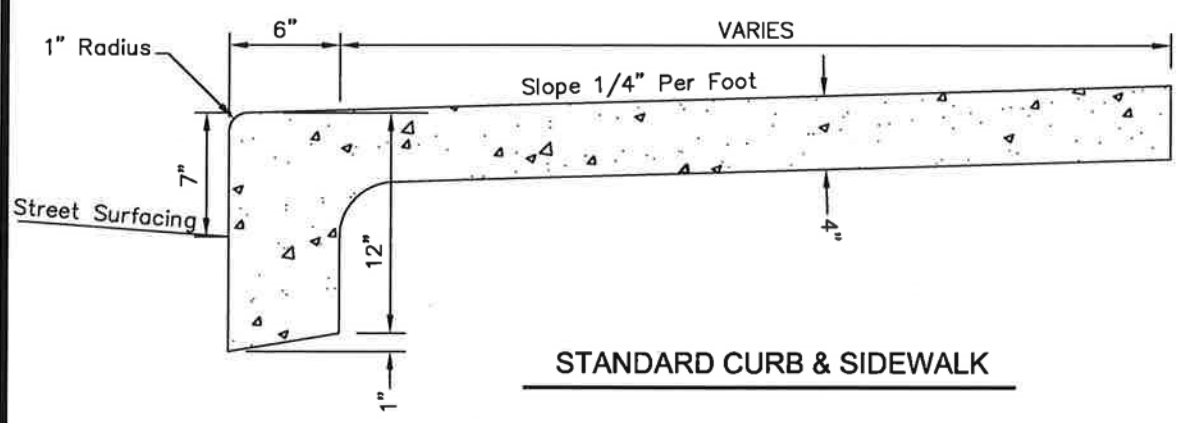
APPROVED  
*[Signature]*  
CITY ENGINEER  
12-8-22  
DATE

TYPICAL MID-BLOCK  
CURB EXTENSION PLACEMENT  
DETAIL

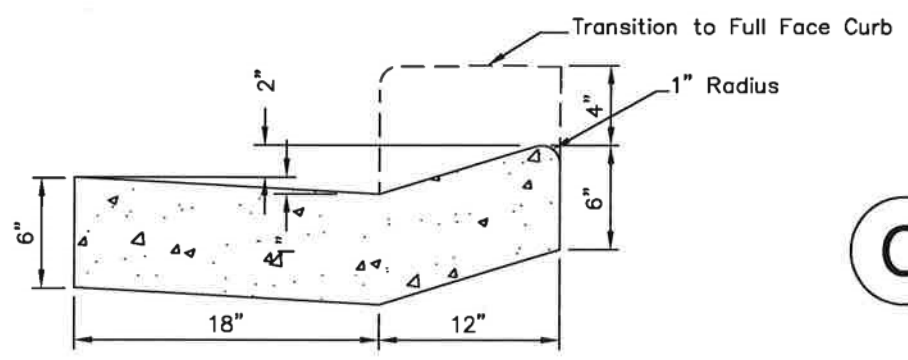
DATE	9/06/21
SCALE	1"=30'
DWG. NO.	STD10017
STD. NO	100.17



**STANDARD CURB & SIDEWALK IN DRIVEWAYS**



**STANDARD CURB & SIDEWALK**



**STANDARD MOUNTABLE CURB & GUTTER**

**CONCRETE WORKMANSHIP**

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

REVISED: 04/03/17

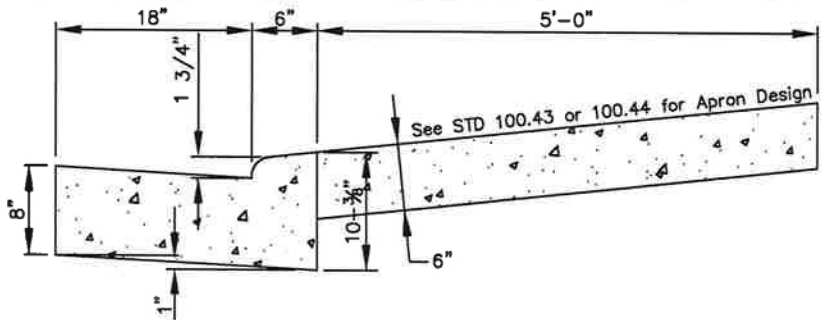
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

**STANDARD DETAILS**

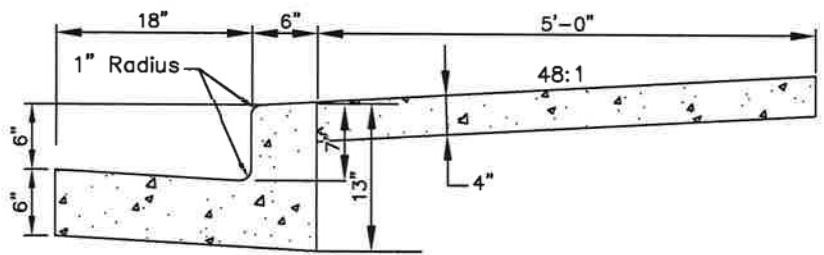
DATE 5/22/78  
SCALE NONE  
DWG. NO. STD10020  
STD. NO. 100.20

A



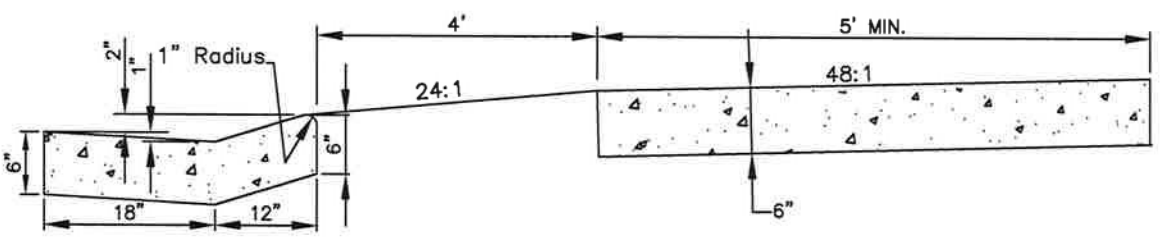
STANDARD CURB & GUTTER AND SIDEWALK IN DRIVEWAYS

B



STANDARD CURB & GUTTER AND SIDEWALK

C



MOUNTABLE CURB & GUTTER, GRASS PLOT AND SIDEWALK

CONCRETE WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

NOTE: 6" OF CRUSHED STONE GAB WILL BE PLACED UNDER THE CURB AND GUTTER.

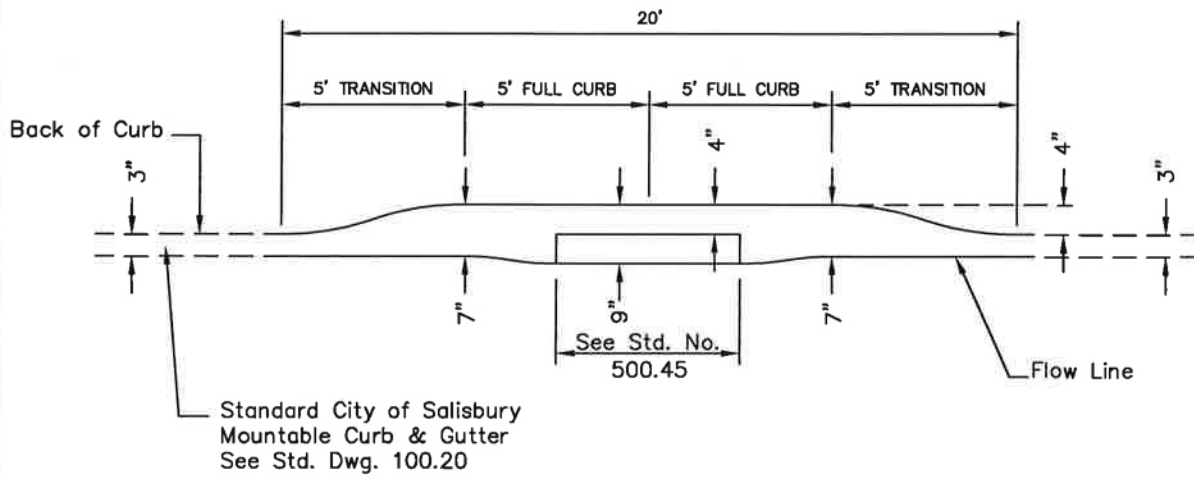
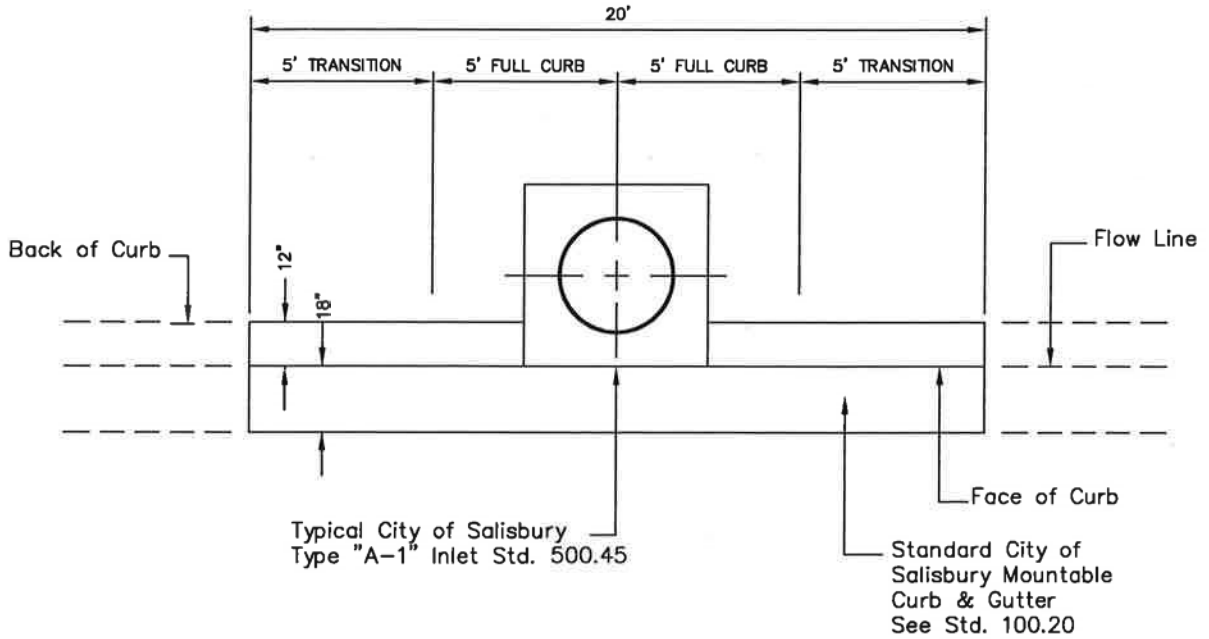
CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

STANDARD DETAILS FOR  
CURB & GUTTER AND  
SIDEWALK CONSTRUCTION

DATE	1/09/53
SCALE	NONE
DWG NO.	STD10025
STD. NO	100.25

# TOP VIEW



# FRONT VIEW

## CONCRETE WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, SHALL  
BE AS DESCRIBED UNDER CONSTRUCTION  
METHODS & MATERIALS-CONCRETE  
IN THE "CONSTRUCTION & MATERIALS  
SPECIFICATION FOR UTILITY AND ROADWAY  
CONSTRUCTION" MANUAL LATEST REVISION

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

*1/2/18*

DATE

*Amanda Pollack*  
CITY ENGINEER

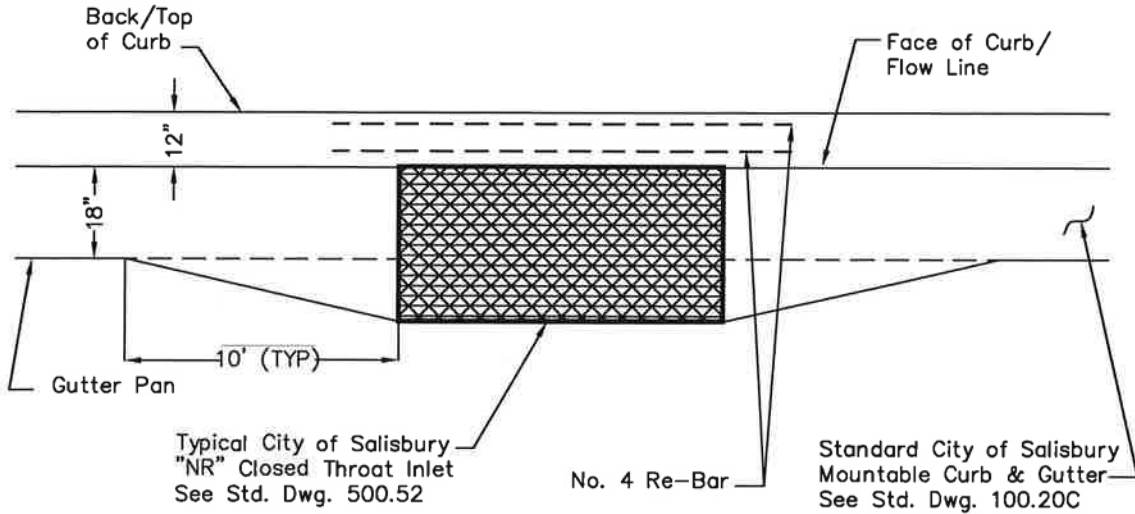
TYPICAL MOUNTABLE  
CURB INLET DETAIL  
IN LOW POINT OF STREET

DATE 8/18/77

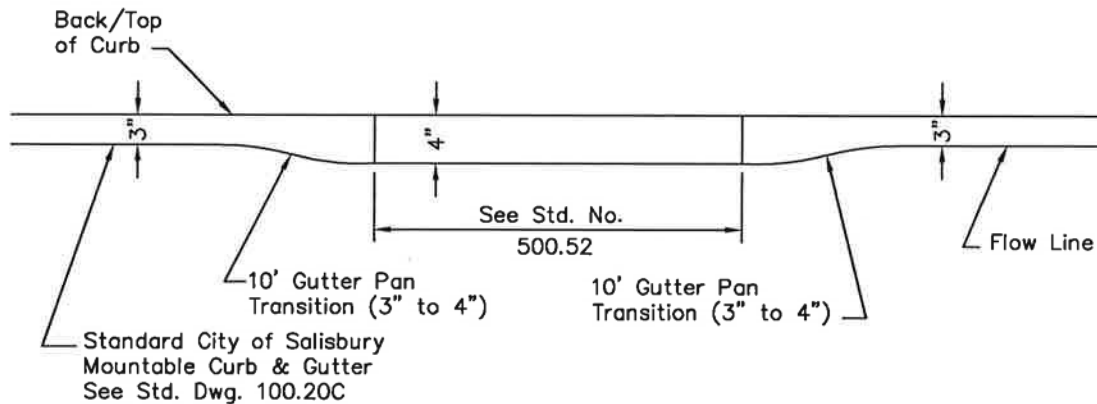
SCALE NONE

DWG. NO. STD10030

STD. NO. 100.30



**PLAN VIEW**



**FRONT VIEW**

**CONCRETE WORKMANSHIP**

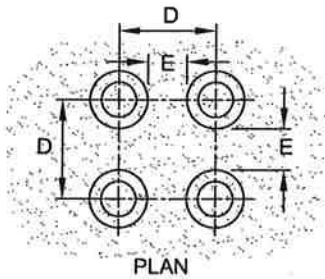
UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS—CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Black*  
CITY ENGINEER

TYPICAL MOUNTABLE  
CURB DETAIL USING "NR"  
CLOSED-THROAT INLET

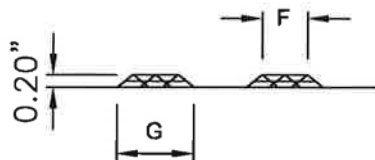
DATE 7/12/90  
SCALE NONE  
DWG. NO. STD10035  
STD. NO. 100.35



PLAN

**MAT DETAILS**

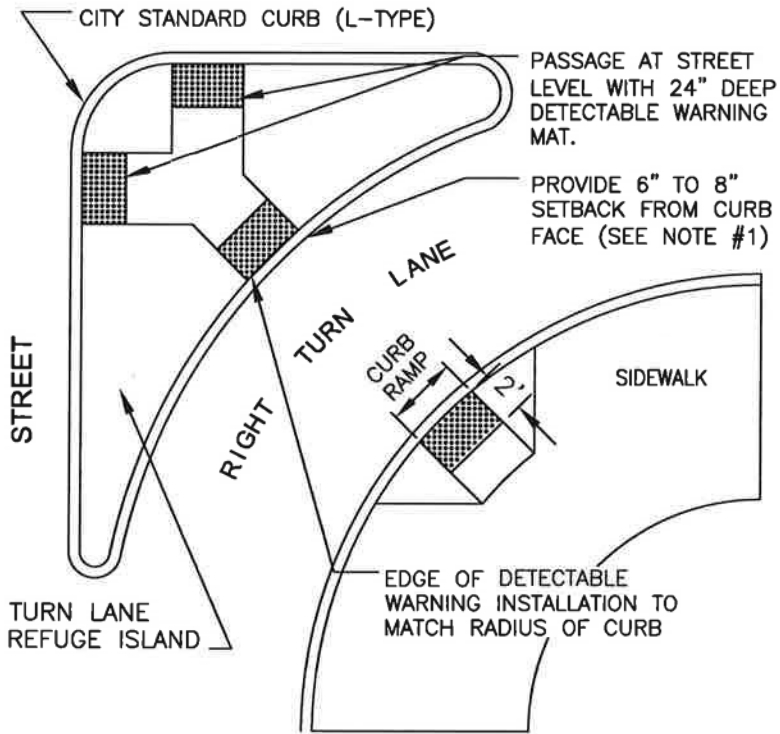
SEE PLACEMENT GUIDELINES BELOW



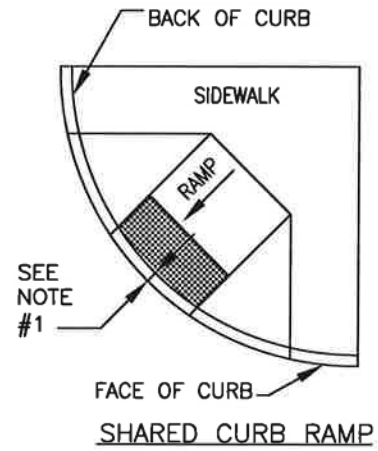
ELEVATION

	MIN.	MAX.
D	1.60"	2.40"
E	0.65"	1.50"
F	0.45"	0.60"
G	0.90"	1.20"

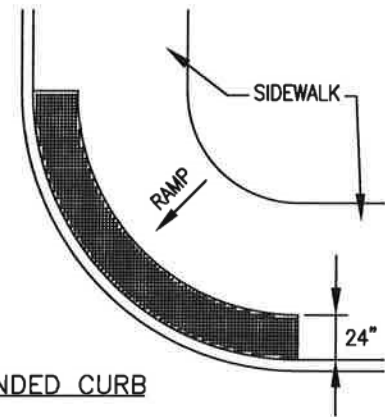
**PLACEMENT GUIDELINES**



REFUGE ISLAND



BLENDED CURB



**NOTES**

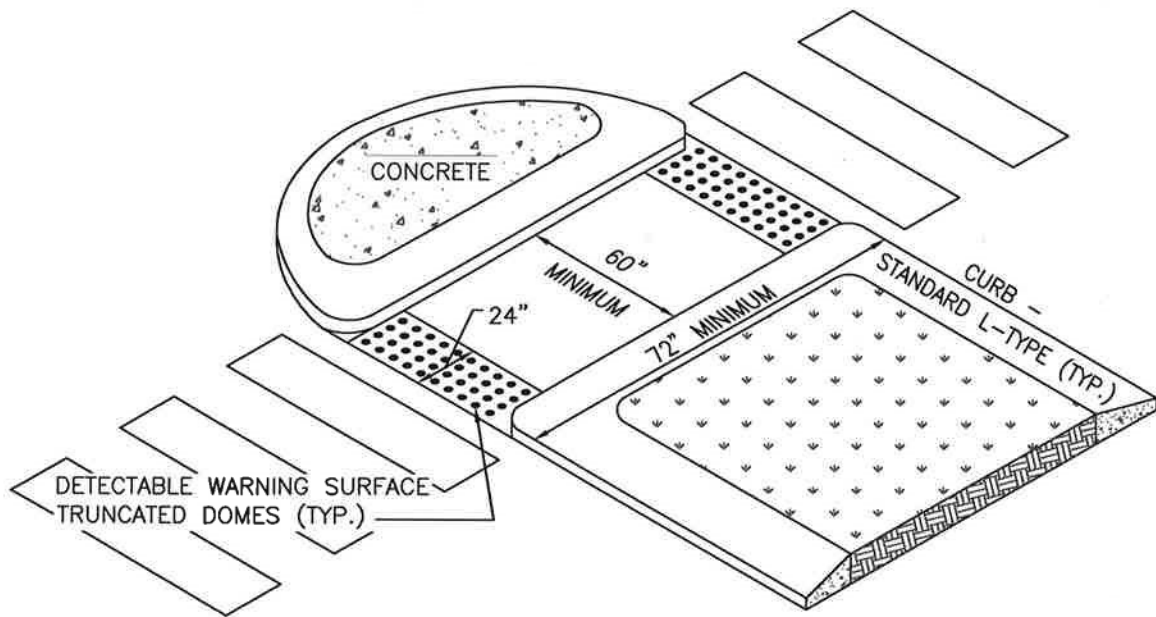
1. THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 TO 8 INCHES FROM THE FACE OF CURB.
2. FOR SKEWED APPLICATIONS DETECTABLE WARNING SHALL BE PLACED SUCH THAT THE DOMES CLOSEST TO THE BACK OF CURB ARE NO LESS THAN 0.5" AND NO MORE THAN 3.0" FROM THE BACK OF CURB. TRUNCATED DOME SURFACES SHALL BE FABRICATED TO PROVIDE FULL DOMES ONLY.
3. DETECTABLE WARNING SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 611 OF THE SPECIFICATIONS.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

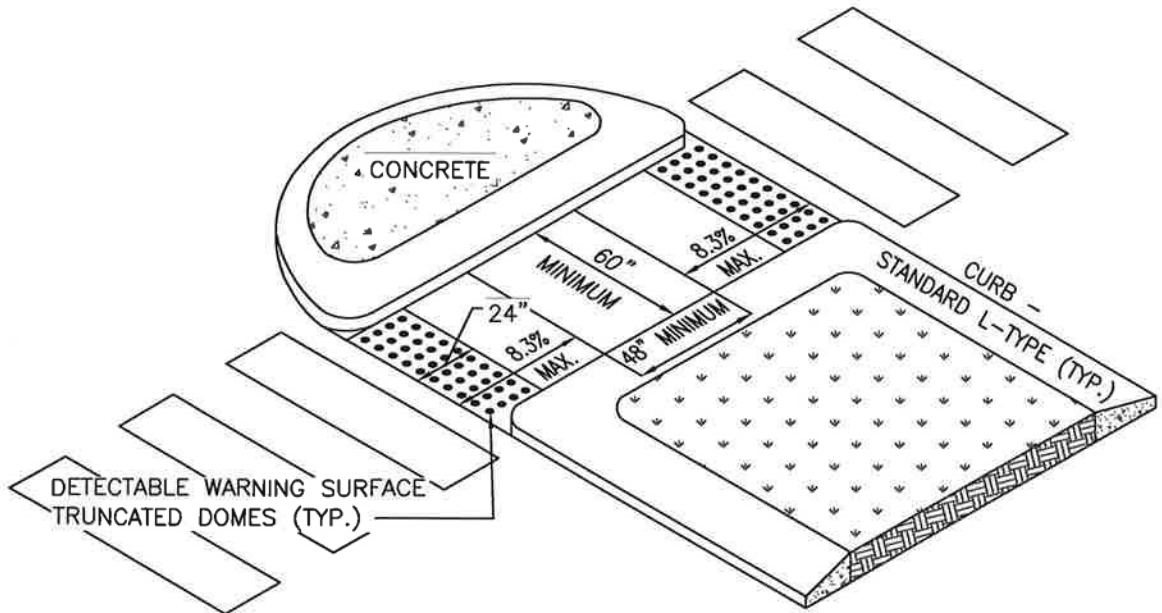
**DETECTABLE WARNING  
GUIDELINES & DETAILS**

DATE 05/27/04  
SCALE NONE  
DWG. NO. STD10037  
STD. NO. 100.37



CUT-THROUGH MEDIAN

LESS THAN 6' WIDE DOES NOT  
REQUIRE TRUNCATED DOMES



RAMPED MEDIAN

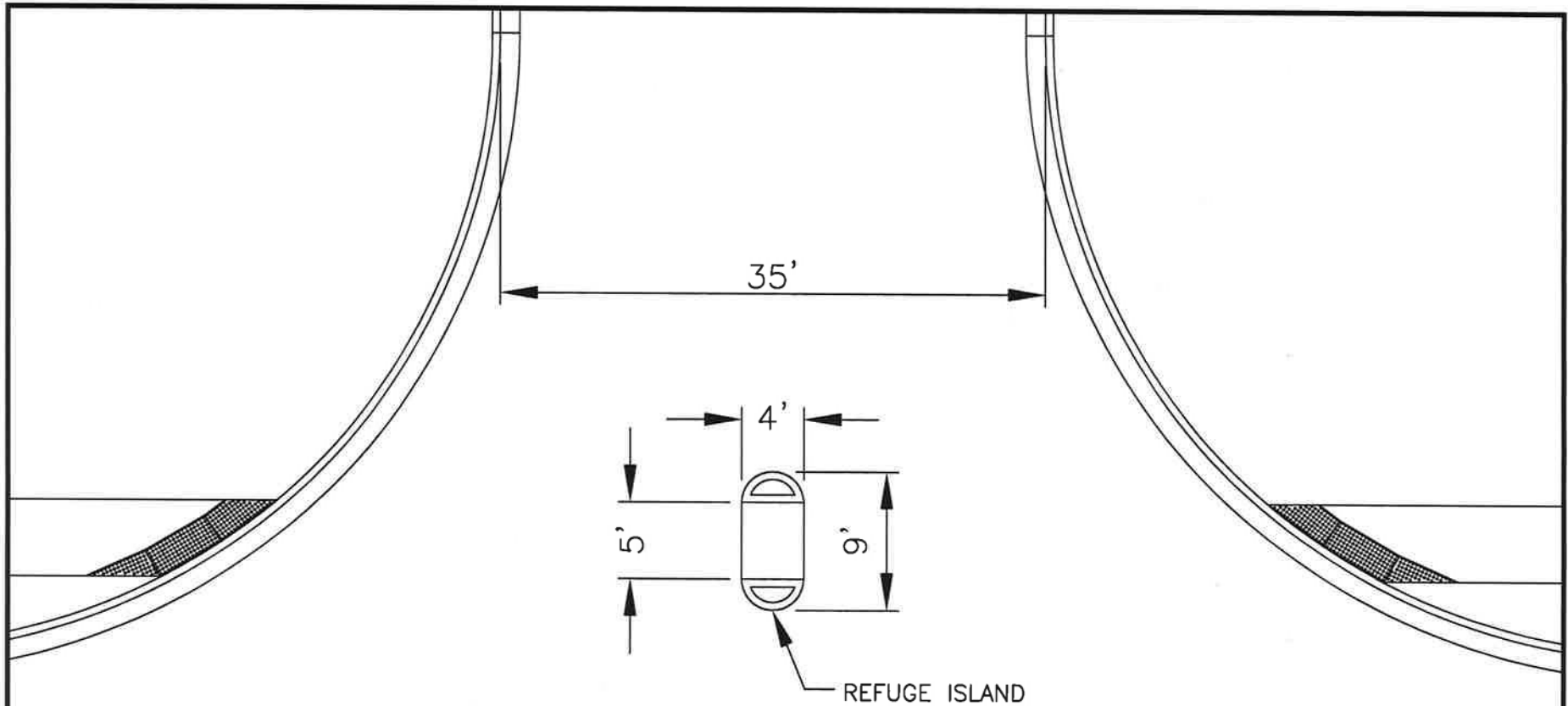
IN EXCESS OF 16' WIDE

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

PEDESTRIAN REFUGE  
ISLAND IN CITY STREETS

DATE 04/03/17  
SCALE NONE  
DWG. NO. STD10038  
STD. NO. 100.38



1. THE DISTANCES BETWEEN PEDESTRIAN SAFE AREAS SHALL BE NO GREATER THAN 35'.
2. MEASUREMENTS SHOWN ARE MINIMUMS.
3. ANY REFUGE LESS THAN 6' IN CROSSING WIDTH CROSSES AT GRADE WITH NO ADA MATTING.
4. REFUGES IN EXCESS OF 6' NEED 2 ADA MATS AND HAVE A SLIGHT RISE IN GRADE.
5. COMMERCIAL D/W REFUGES WILL USE CITY STANDARD MOUNTABLE CURB DESIGN BUT WILL ONLY RISE 1" WHILE PRODUCING A DEFINED FLOW LINE.
6. CONCRETE THICKNESS - 8" WITH WIRE REINFORCEMENT.

**CITY OF SALISBURY**  
**SALISBURY, MD**

APPROVED

*1/2/18*

DATE

*Amanda Pollack*  
 CITY ENGINEER

**PEDESTRIAN REFUGE ISLAND  
 IN COMMERCIAL DRIVEWAY  
 LARGER THAN 35'**

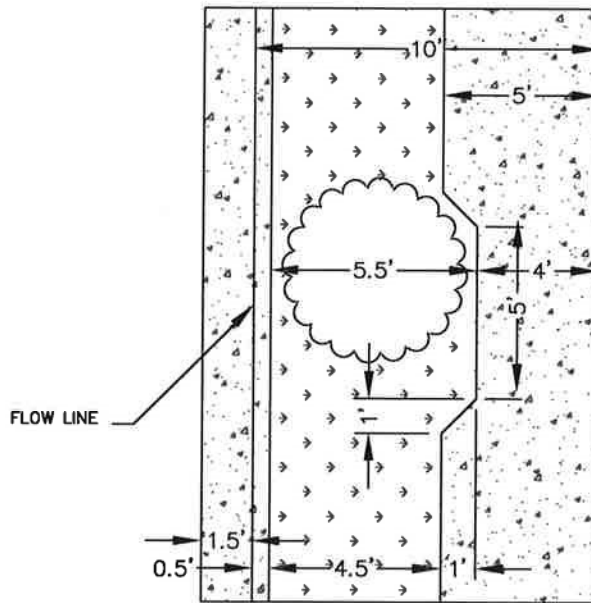
DATE 04/03/17

SCALE N.T.S.

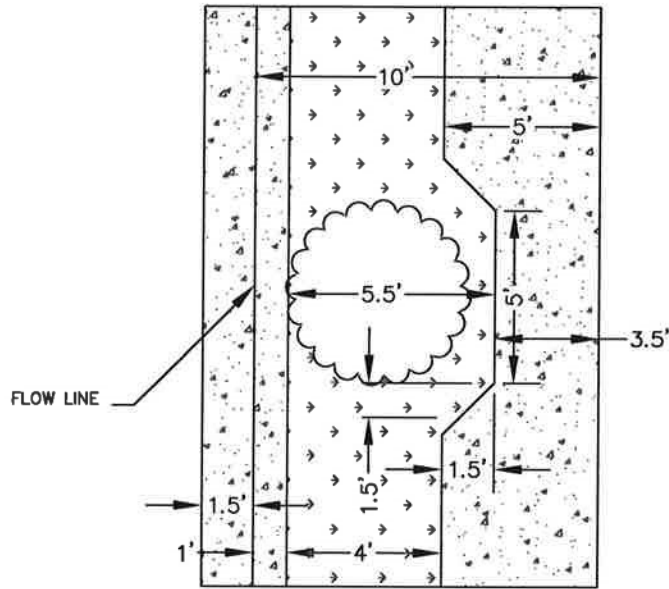
DWG NO. STD10039

STD. NO 100.39





VERTICAL CURBING



MOUNTABLE CURBING

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

1/2/18

DATE

*Amanda Pollack*  
CITY ENGINEER

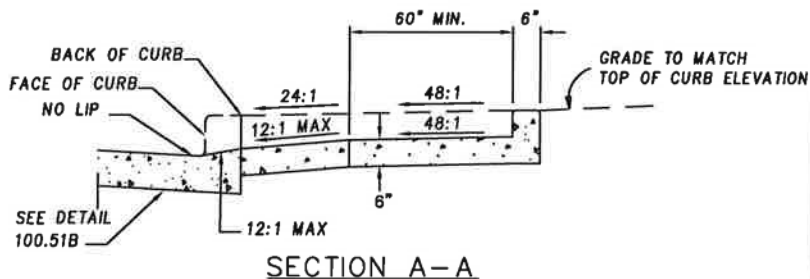
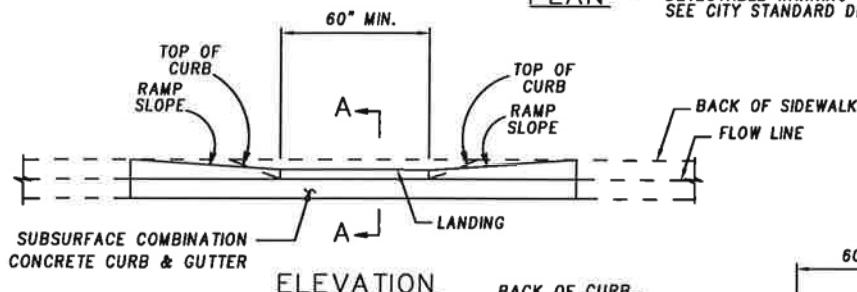
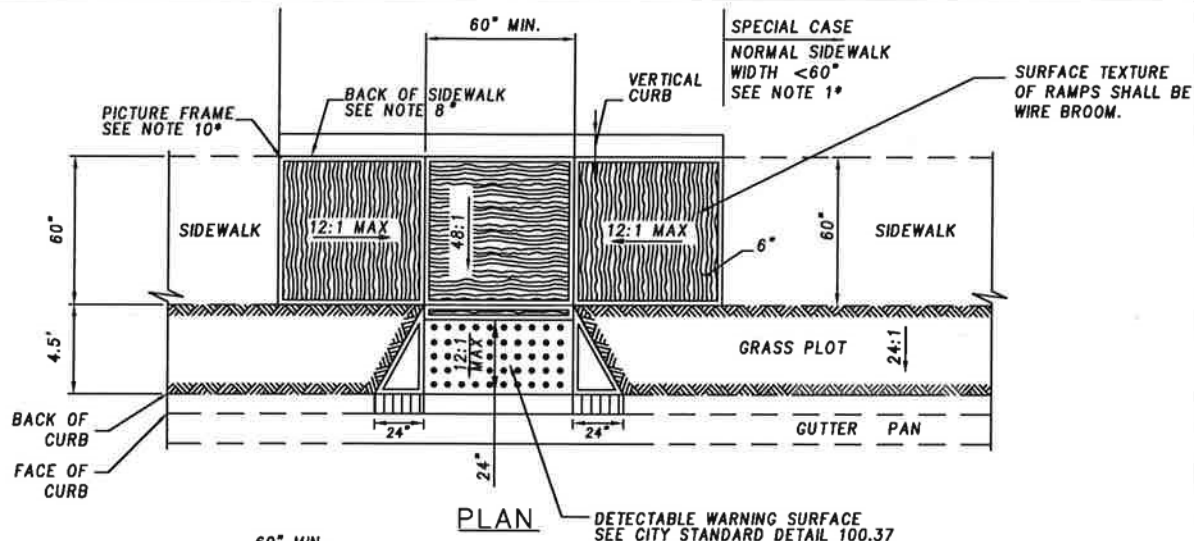
LANDSCAPING STANDARD  
GRASSPLOT WITH TREE  
PLAN VIEW

DATE 2/28/06

SCALE NONE

DWG. NO. STD10040

STD. NO. 100.40



**NOTES**

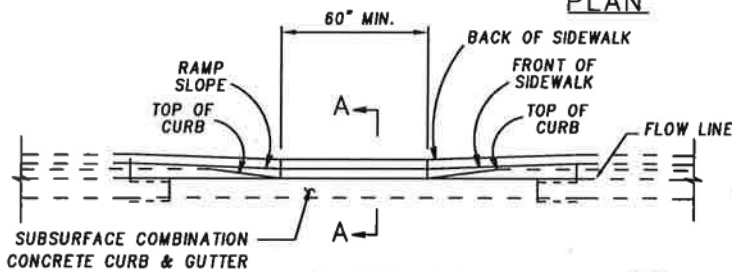
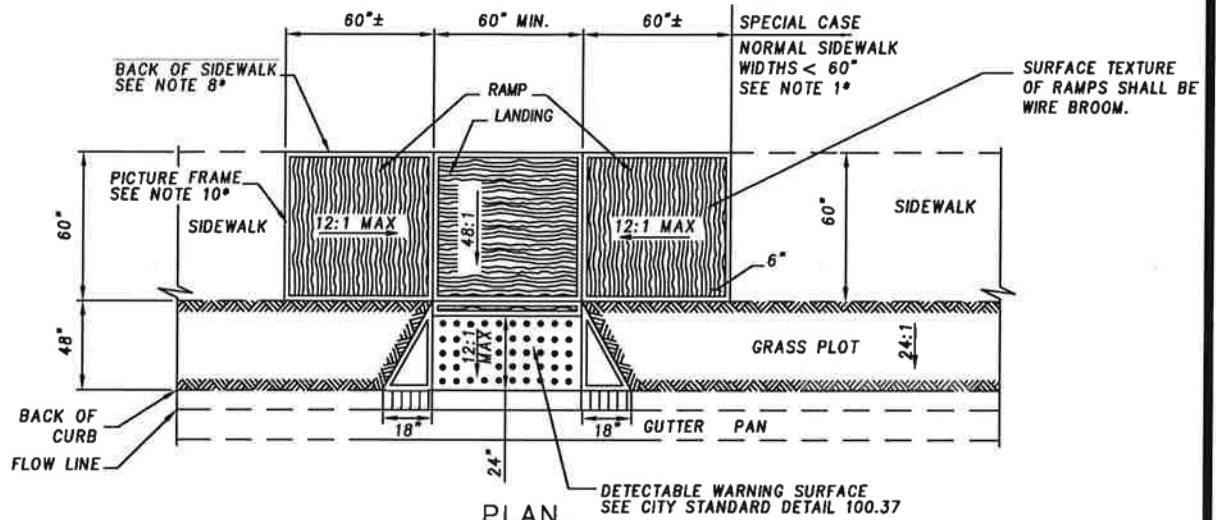
1. IF IT IS DETERMINED THAT FULL ADA COMPLIANCE IS TECHNICALLY INFEASIBLE OR DETERMINED TO BE UNREASONABLE TO THE DESIRED DEGREE AS DESCRIBED IN THE SHA ADA GUIDELINES, A DESIGN WAIVER MUST BE REQUESTED AND APPROVED FOR EACH ELEMENT THAT IS NOT IN FULL COMPLIANCE.
2. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL THE SLOPE WILL BE 48:1.
3. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH CITY STD 100.10.
4. SIDEWALK RAMPS TO BE SHOWN ON PLANS SYMBOLICALLY AND REFERENCED WITH THE CENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE. SEPARATE DETAILS SHALL BE SHOWN WHERE PROPOSED RAMP VARIES FROM RAMP DETAILS.
5. THE GRASS PLOT SHALL BE DESIGNED TO BE 4.5' UNLESS OTHERWISE APPROVED.
6. ALL RAMPS & LANDINGS WILL BE A MINIMUM OF 6" THICK.
7. ALL SLOPES SHALL BE MEASURED INDEPENDENT TO THE SURROUNDING TERRAIN. THEREFORE, THE LENGTH OF THE RAMPS IS SOLELY DEPENDENT ON THE HEIGHT OF THE CURB (FOR EXAMPLE, A 6 IN. CURB WITH A 12:1 RAMP SLOPE SHOULD HAVE A 6 FT. LENGTH).
8. ALL SIDEWALK RAMP DIMENSIONS SHALL BE MEASURED AT OR FROM THE BACK OF SIDEWALK.
9. HANDICAP RAMPS MUST MEET THE ADA SPECIFICATIONS CALLED OUT IN THE MARYLAND SHA ACCESSIBILITY POLICY & GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS. FOR REFERENCE, RAMP DETAILS CAN BE FOUND IN THIS PUBLICATION.
10. ALL SIDEWALK, RAMPS AND LANDINGS WILL BE PICTURE FRAMED 1½" TO 2".
11. THIS DETAIL IS TO BE USED WHERE AT LEAST 7'-0" EXISTS BETWEEN THE BACK OF CURB AND THE BACK OF SIDEWALK. IF GRASS PLOT IS LESS THAN 24"; WIDEN THE SIDEWALK TO THE BACK OF CURB AND THEN CONSTRUCT THE RAMP UTILIZING CITY STD 100.40.

CITY OF  
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SALISBURY, MD

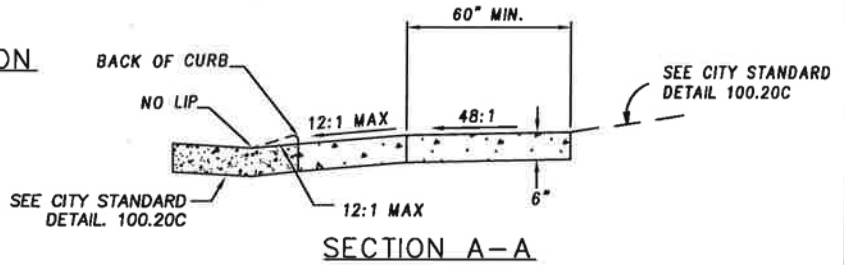
APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

**VERTICAL CURB &  
GRASS PLOT  
SIDEWALK RAMPS**

DATE 5/30/12  
SCALE N.T.S.  
DWG. NO. STD10041  
STD. NO. 100.41



ELEVATION

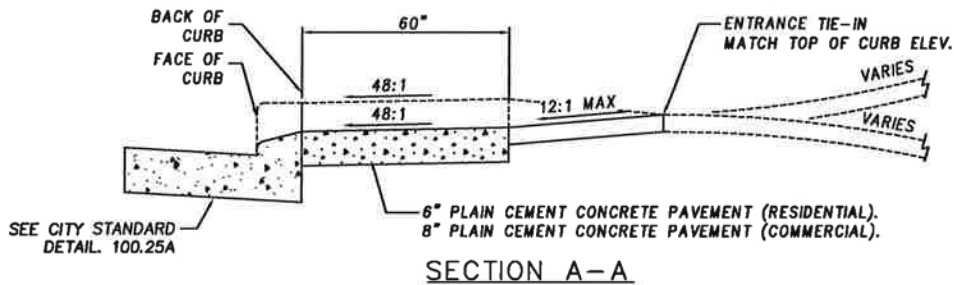
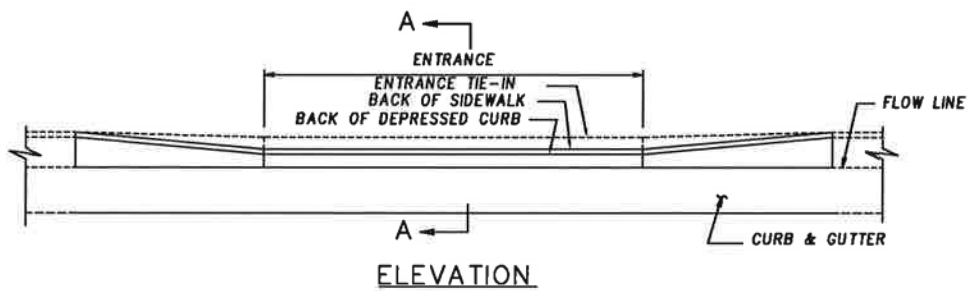
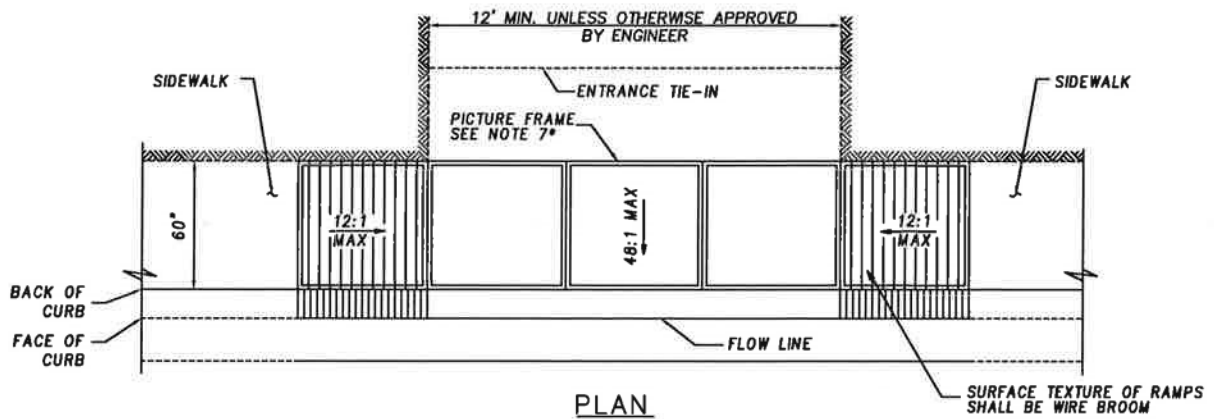


SECTION A-A

NOTES

1. IF IT IS DETERMINED THAT FULL ADA COMPLIANCE IS TECHNICALLY INFEASIBLE OR DETERMINED TO BE UNREASONABLE TO THE DESIRED DEGREE AS DESCRIBED IN THE SHA ADA GUIDELINES, A DESIGN WAIVER MUST BE REQUESTED AND APPROVED FOR EACH ELEMENT THAT IS NOT IN FULL COMPLIANCE.
2. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL. PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL THE SLOPE WILL BE 48:1.
3. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH CITY STD 100.10.
4. SIDEWALK RAMPS TO BE SHOWN ON PLANS SYMBOLICALLY AND REFERENCED WITH THE CENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE. SEPARATE DETAILS SHALL BE SHOWN WHERE PROPOSED RAMP VARIES FROM RAMP DETAILS.
5. THE GRASS PLOT SHALL BE DESIGNED TO BE 4' UNLESS OTHERWISE APPROVED.
6. ALL RAMPS & LANDINGS WILL BE A MINIMUM OF 6" THICK.
7. SIDEWALK RAMP SHALL MEET THE 12:1 MAXIMUM SLOPE AS MEASURED AT THE BACK OF SIDEWALK.
8. HANDICAP RAMPS MUST MEET THE ADA SPECIFICATIONS CALLED OUT IN THE MARYLAND SHA ACCESSIBILITY POLICY & GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS. FOR REFERENCE, RAMP DETAILS CAN BE FOUND IN THIS PUBLICATION.
9. ALL SIDEWALK, RAMPS AND LANDINGS WILL BE PICTURE FRAMED 1½" TO 2".
10. THIS DETAIL IS TO BE USED WHERE AT LEAST 7'-0" EXISTS BETWEEN THE BACK OF CURB AND THE BACK OF SIDEWALK.

<p>CITY OF SALISBURY SALISBURY, MD</p>	APPROVED	<p><b>MOUNTABLE CURB SIDEWALK RAMPS</b></p>	DATE	
	1/2/18		5/30/12	
	Amanda Pollack CITY ENGINEER		SCALE	N.T.S.
	DATE		DWG. NO.	STD10042
			STD. NO.	
			100.42	



**NOTES**

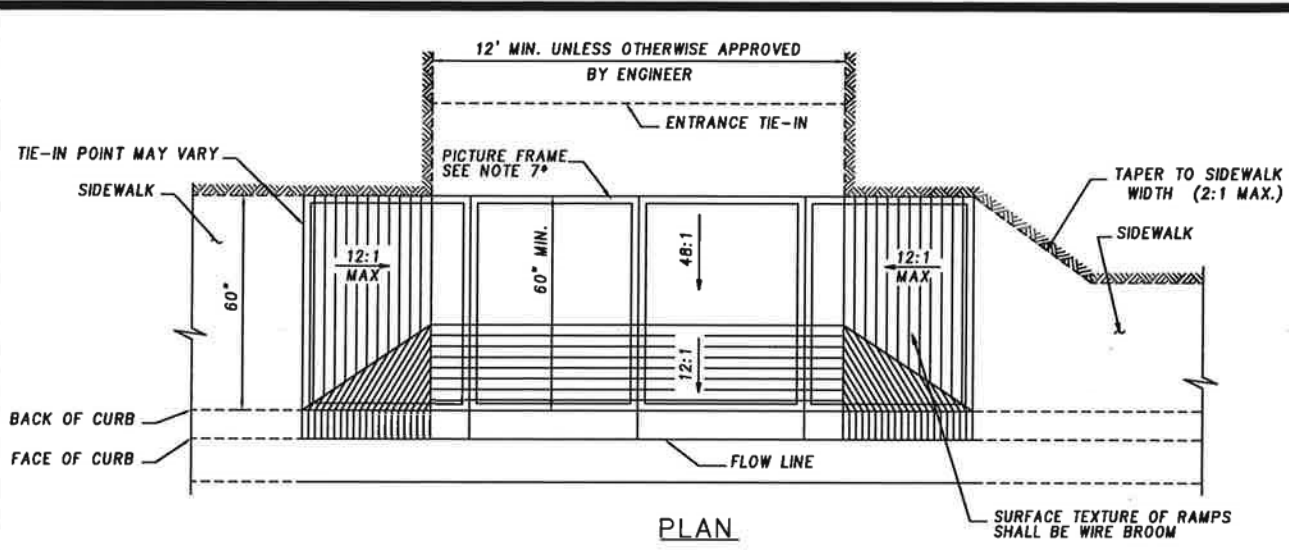
1. IF IT IS DETERMINED THAT FULL ADA COMPLIANCE IS TECHNICALLY INFEASIBLE OR DETERMINED TO BE UNREASONABLE TO THE DESIRED DEGREE AS DESCRIBED IN THE SHA ADA GUIDELINES, A DESIGN WAIVER MUST BE REQUESTED AND APPROVED FOR EACH ELEMENT THAT IS NOT IN FULL COMPLIANCE.
2. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL. PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL THE SLOPE WILL BE 48:1.
3. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH CITY STD 100.10.
4. ALL SLOPES SHALL BE MEASURED INDEPENDENT TO THE SURROUNDING TERRAIN. THEREFORE, THE LENGTH OF THE RAMPS IS SOLELY DEPENDENT ON THE HEIGHT OF THE CURB (FOR EXAMPLE, A 6 IN. CURB WITH A 12:1 RAMP SLOPE SHOULD HAVE A 6 FT. LENGTH).
5. ALL SIDEWALK DIMENSIONS SHALL BE MEASURED AT OR FROM THE BACK OF SIDEWALK.
6. ENTRANCES MUST MEET THE ADA SPECIFICATIONS CALLED OUT IN THE MARYLAND SHA ACCESSIBILITY POLICY & GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS. FOR REFERENCE, RAMP DETAILS CAN BE FOUND IN THIS PUBLICATION.
7. THE SIDEWALK WILL BE PICTURE FRAMED 1½" TO 2".

CITY OF  
SALISBURY  
SALISBURY, MD

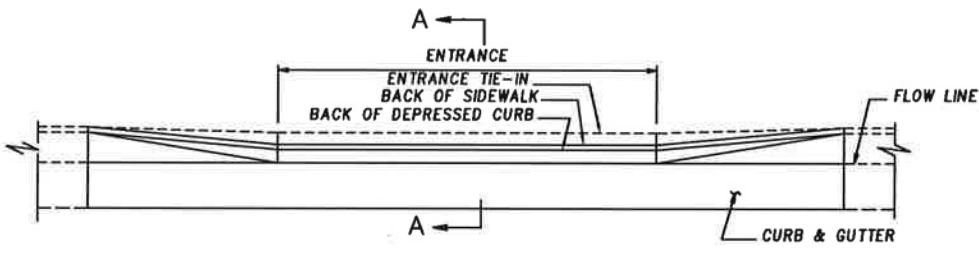
APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

CURBSIDE SIDEWALK  
STANDARD ENTRANCE  
RESIDENTIAL & COMMERCIAL  
METHOD NO. 2

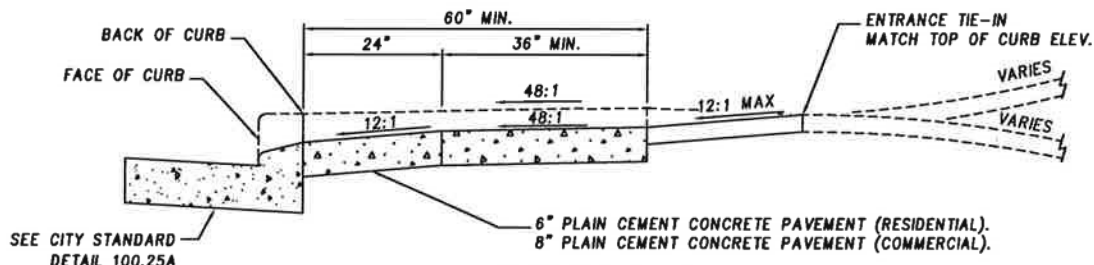
DATE 5/30/12  
SCALE N.T.S.  
DWG. NO. STD10043  
STD. NO. 100.43



PLAN



ELEVATION



SECTION A-A

NOTES

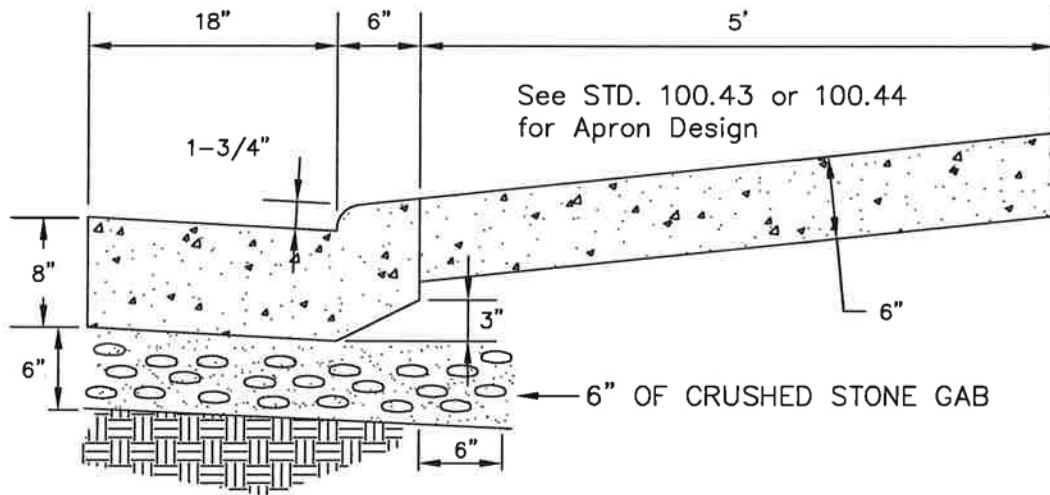
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2. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL. PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL THE SLOPE WILL BE 48:1.
3. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH CITY STD 100.10.
4. ALL SLOPES SHALL BE MEASURED INDEPENDENT TO THE SURROUNDING TERRAIN. THEREFORE, THE LENGTH OF THE RAMPS IS SOLELY DEPENDENT ON THE HEIGHT OF THE CURB (FOR EXAMPLE, A 6 IN. CURB WITH A 12:1 RAMP SLOPE SHOULD HAVE A 6 FT. LENGTH).
5. ALL SIDEWALK DIMENSIONS SHALL BE MEASURED AT OR FROM THE BACK OF SIDEWALK.
6. ENTRANCES MUST MEET THE ADA SPECIFICATIONS CALLED OUT IN THE MARYLAND SHA ACCESSIBILITY POLICY & GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS. FOR REFERENCE, RAMP DETAILS CAN BE FOUND IN THIS PUBLICATION.
7. THE SIDEWALK WILL BE PICTURE FRAMED 1/2" TO 2".

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

CURBSIDE SIDEWALK  
STANDARD ENTRANCE  
RESIDENTIAL & COMMERCIAL  
METHOD NO. 1

DATE 5/30/12  
SCALE N.T.S.  
DWG. NO. STD10044  
STD. NO. 100.44



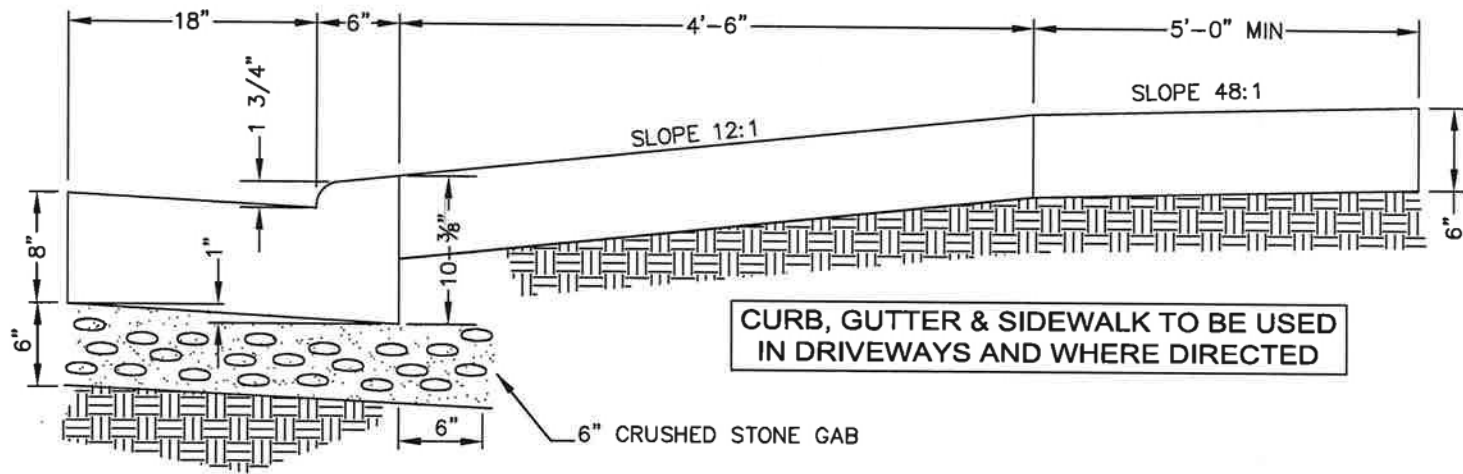
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

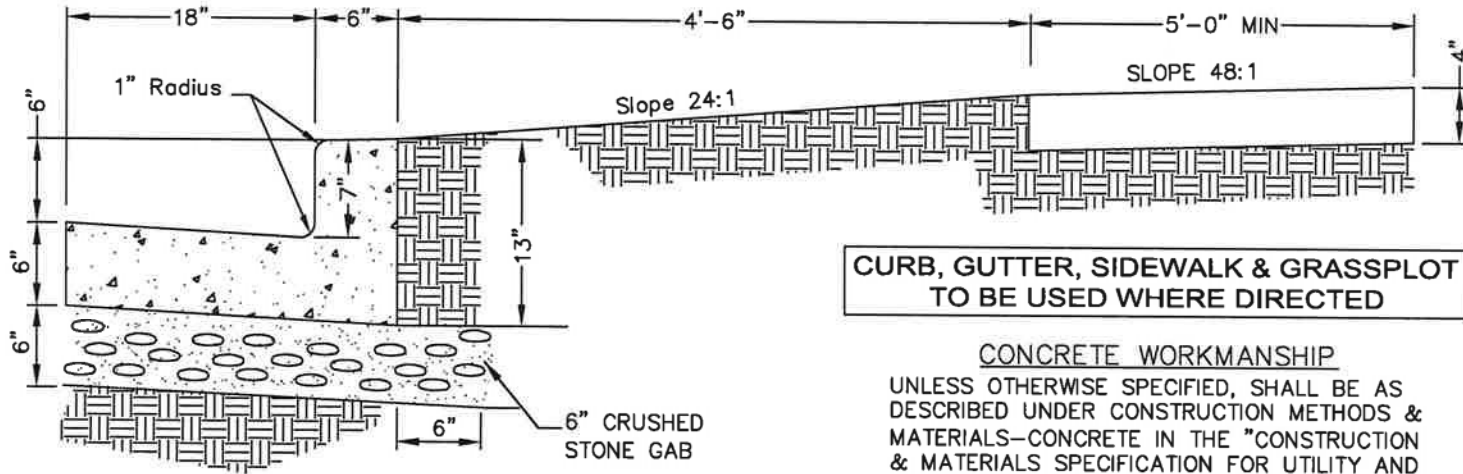
SPECIAL CURB & GUTTER  
AND SIDEWALK IN  
INDUSTRIAL DRIVEWAYS

DATE	01/01/00
SCALE	NONE
DWG. NO.	STD10050
STD. NO.	100.50

A



B



CURB, GUTTER, SIDEWALK & GRASSPLOT TO BE USED WHERE DIRECTED

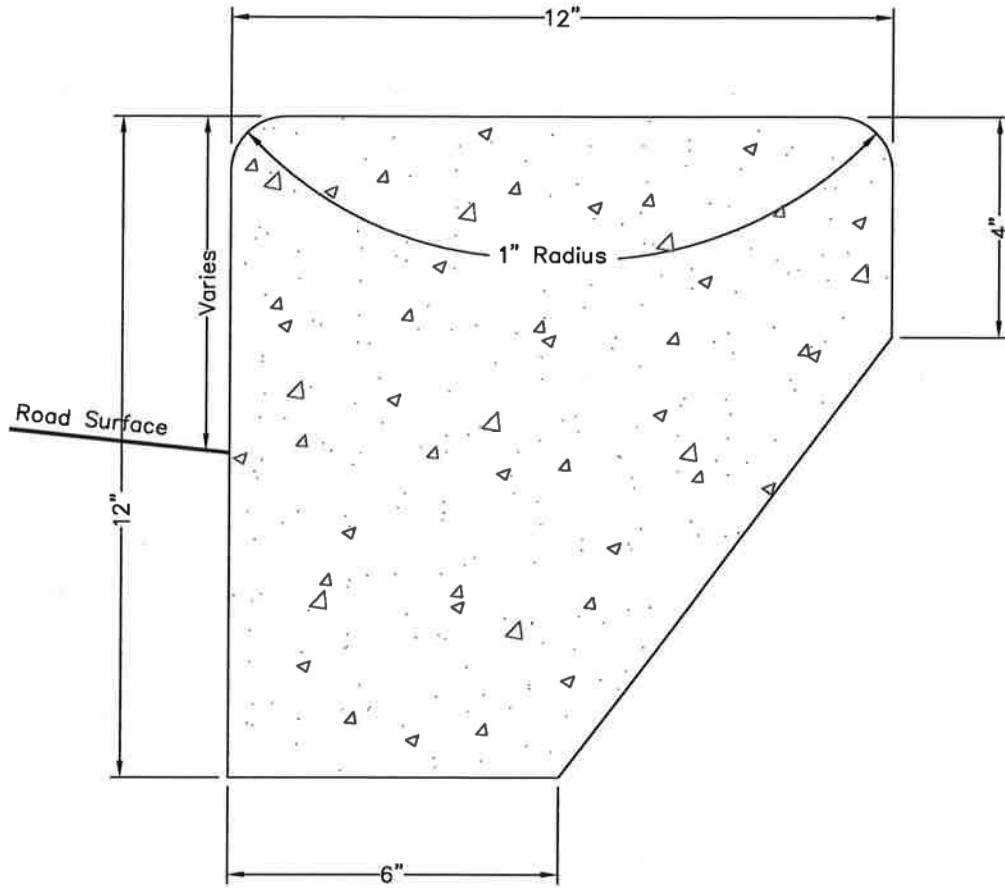
CONCRETE WORKMANSHIP  
 UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS—CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

CITY OF SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 DATE  
 Amanda Bellack  
 CITY ENGINEER

STANDARD DETAILS FOR  
 CURB, GUTTER, & SIDEWALK  
 WITH GRASSPLOT OR DRIVEWAY

DATE 4/6/92  
 SCALE NONE  
 DWG NO. STD10051  
 STD. NO 100.51



CONCRETE WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION

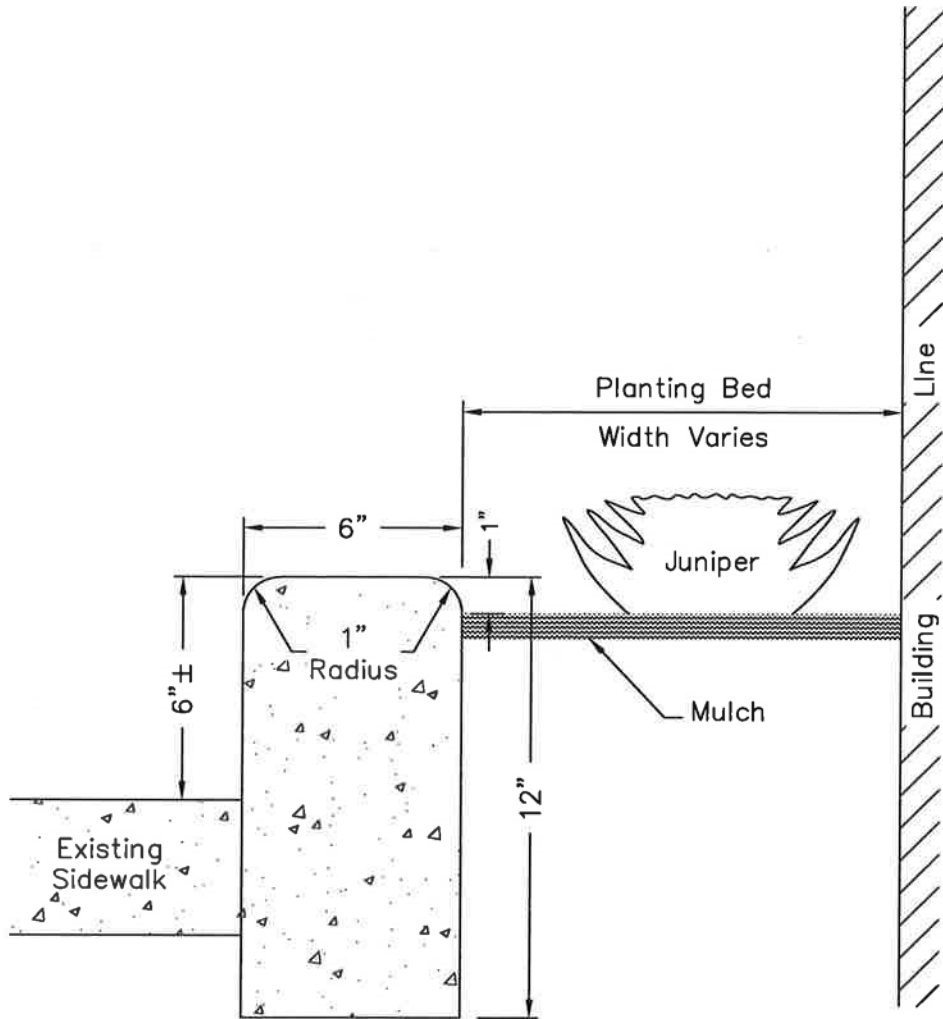
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

STANDARD DETAIL  
FOR TYPE A  
LANDSCAPING CURB

DATE	2/3/83
SCALE	NONE
DWG. NO.	STD10052
STD. NO.	100.52

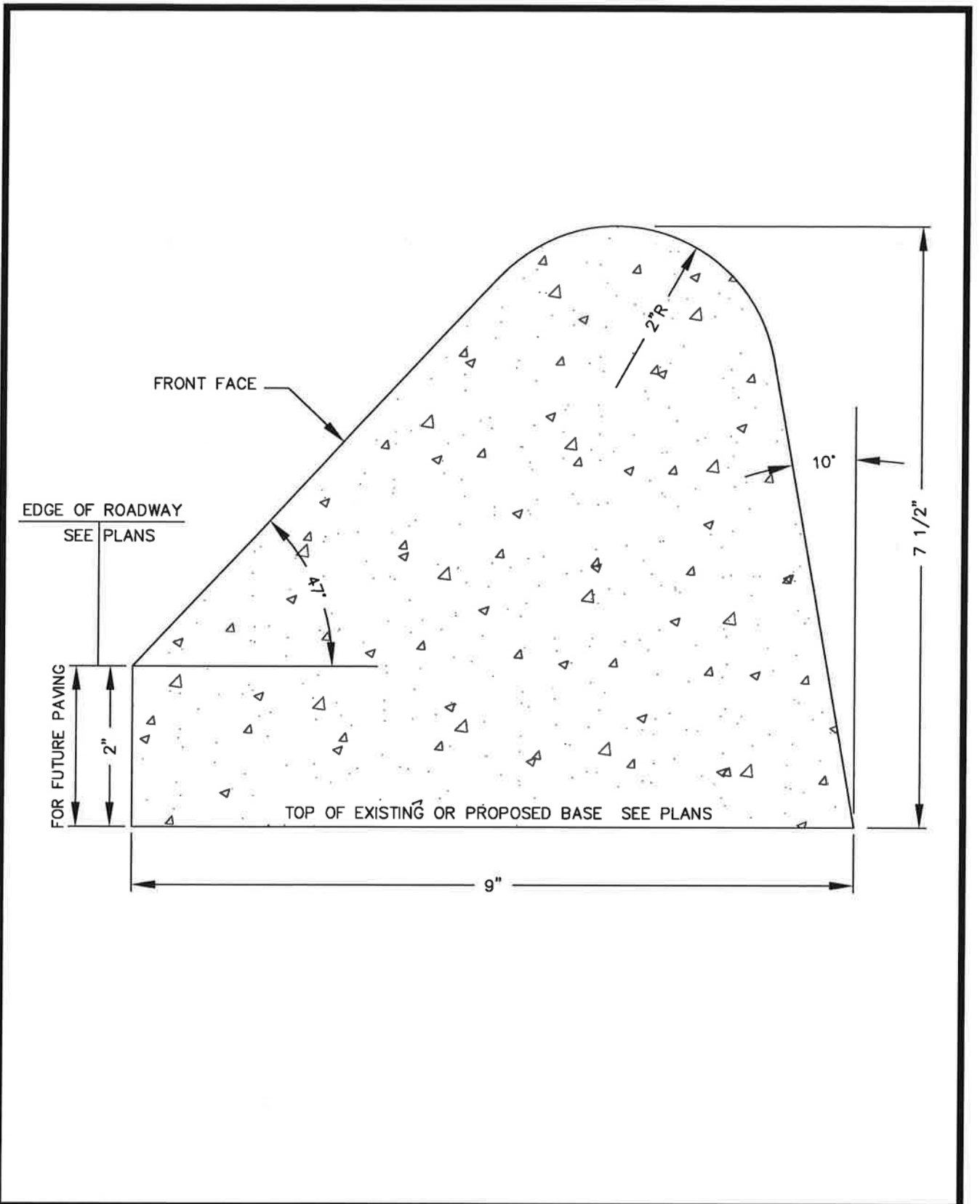




CONCRETE WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS—CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

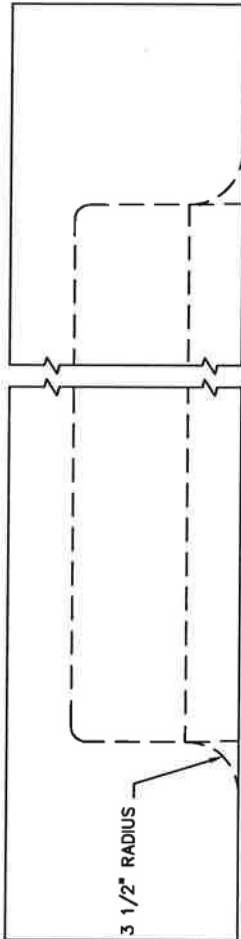
CITY OF SALISBURY SALISBURY, MD	APPROVED <i>1/2/18</i> _____ DATE <i>Amanda Pollack</i> CITY ENGINEER	<b>STANDARD DETAIL          FOR PLANTER CURB</b>	DATE 2/3/83
			SCALE NONE
			DWG. NO. STD10053
			STD. NO. 100.53



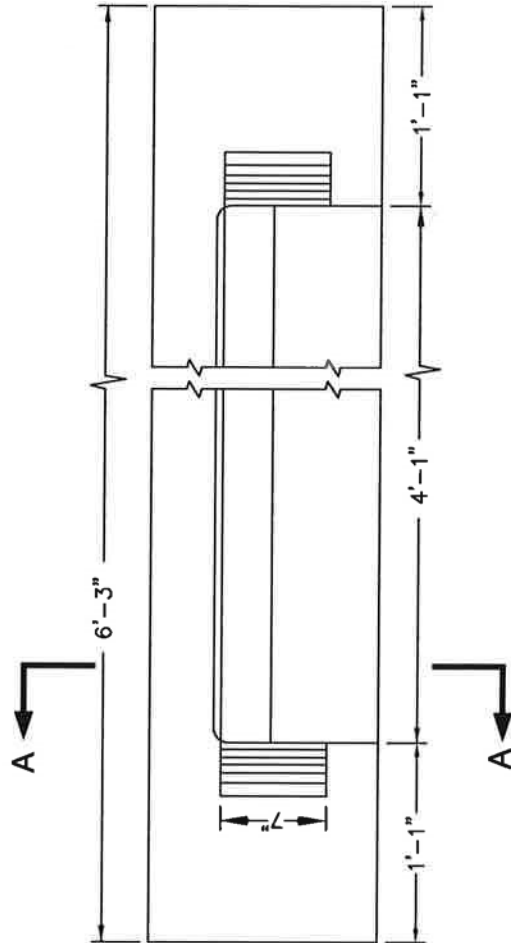
CITY OF SALISBURY SALISBURY, MD	APPROVED <i>1/2/18</i> DATE	<b>STANDARD BITUMINOUS          CONCRETE CURB</b>	DATE 3/10/87
	<i>Amanda Pollack</i> CITY ENGINEER		SCALE NONE
			DWG. NO. STD10054
			STD. NO. 100.54

CONCRETE WORKMANSHIP

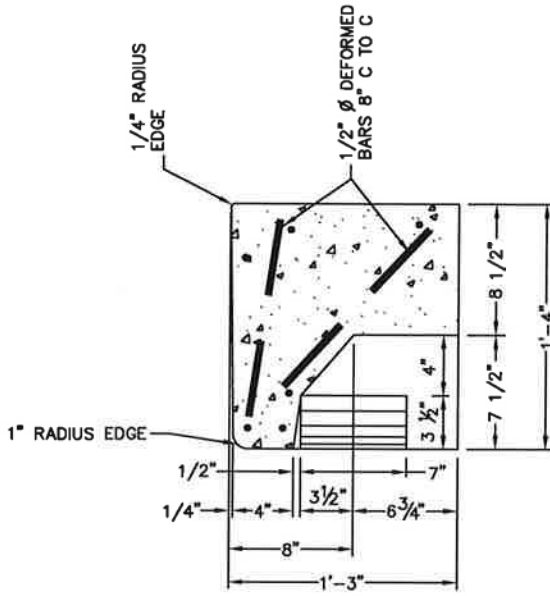
UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.



PLAN



FRONT ELEVATION



SECTION A-A

CITY OF  
SALISBURY  
SALISBURY, MD

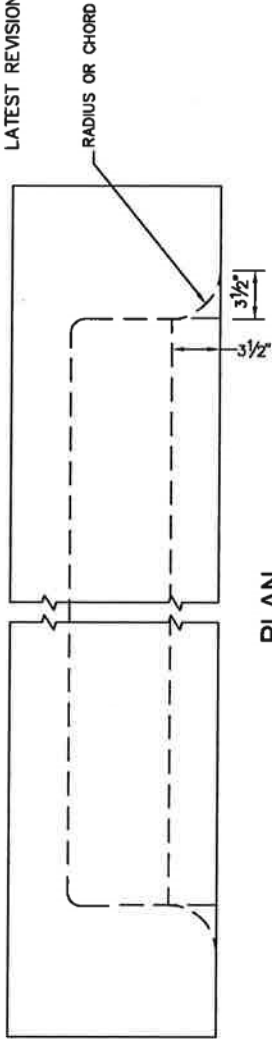
APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

SPECIAL CURB  
CLASS "E"  
COMBINATION INLET

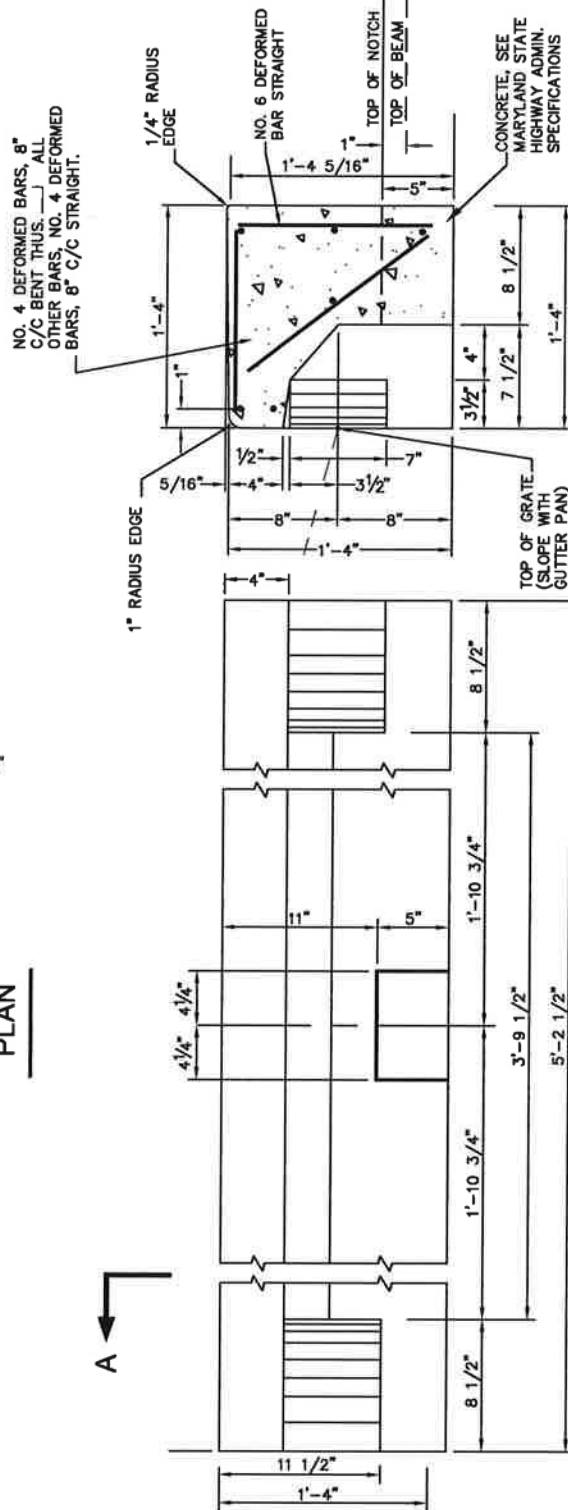
DATE	8/29/86
SCALE	NONE
DWG. NO.	STD10055
STD. NO.	100.55

CONCRETE WORKMANSHIP

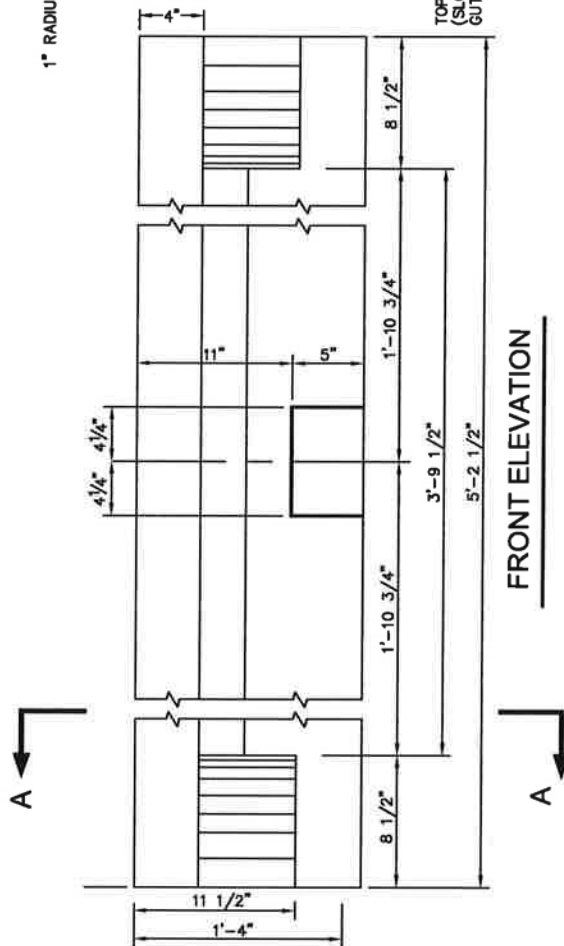
UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.



PLAN



SECTION A-A



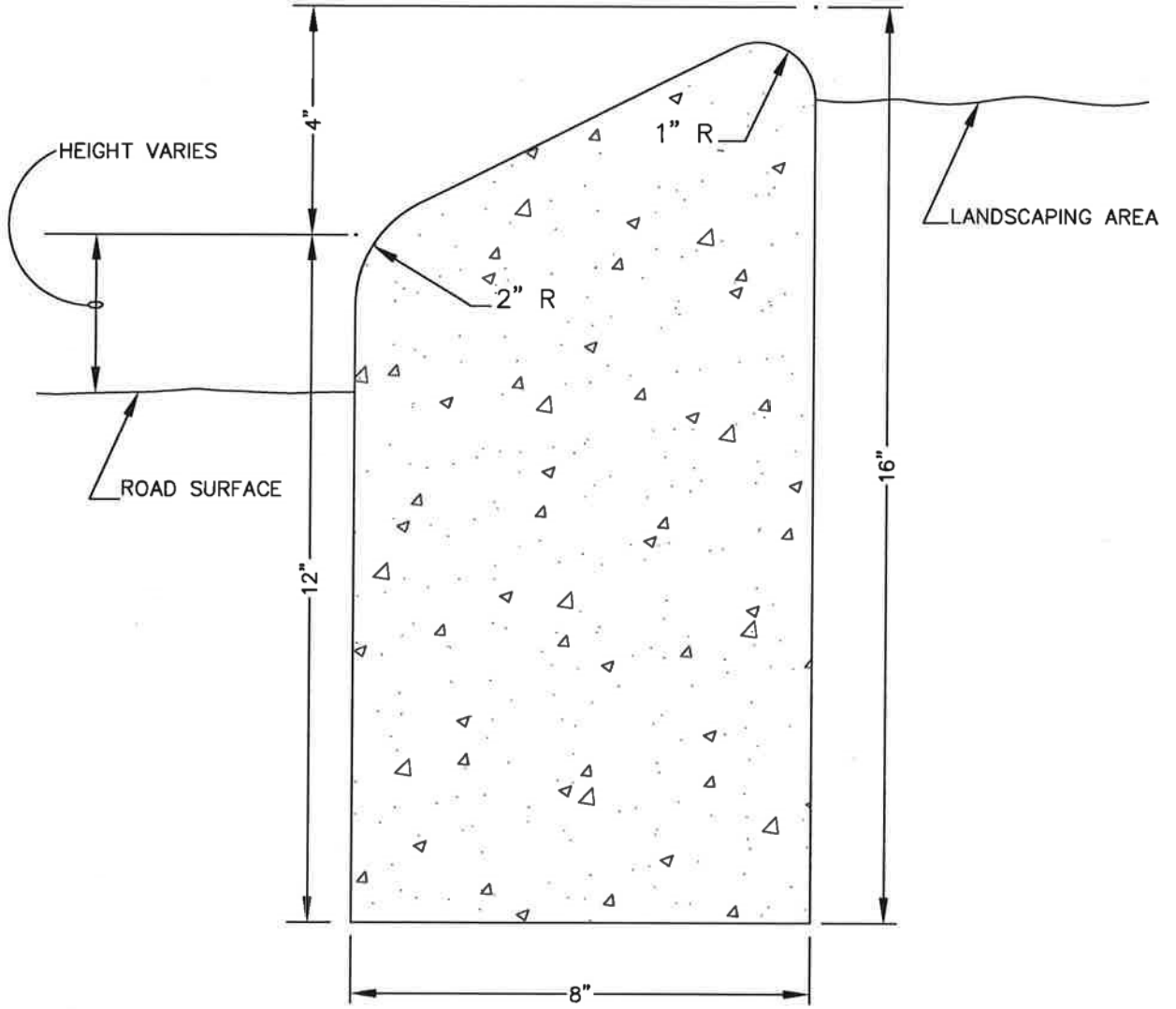
FRONT ELEVATION

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amanda Pollock*  
CITY ENGINEER

**SPECIAL CURB  
CLASS "NR" OPEN  
THROAT INLET**

DATE 8/29/86  
SCALE NONE  
DWG. NO. STD100.56  
STD. NO. 100.56



CONCRETE WORKMANSHIP

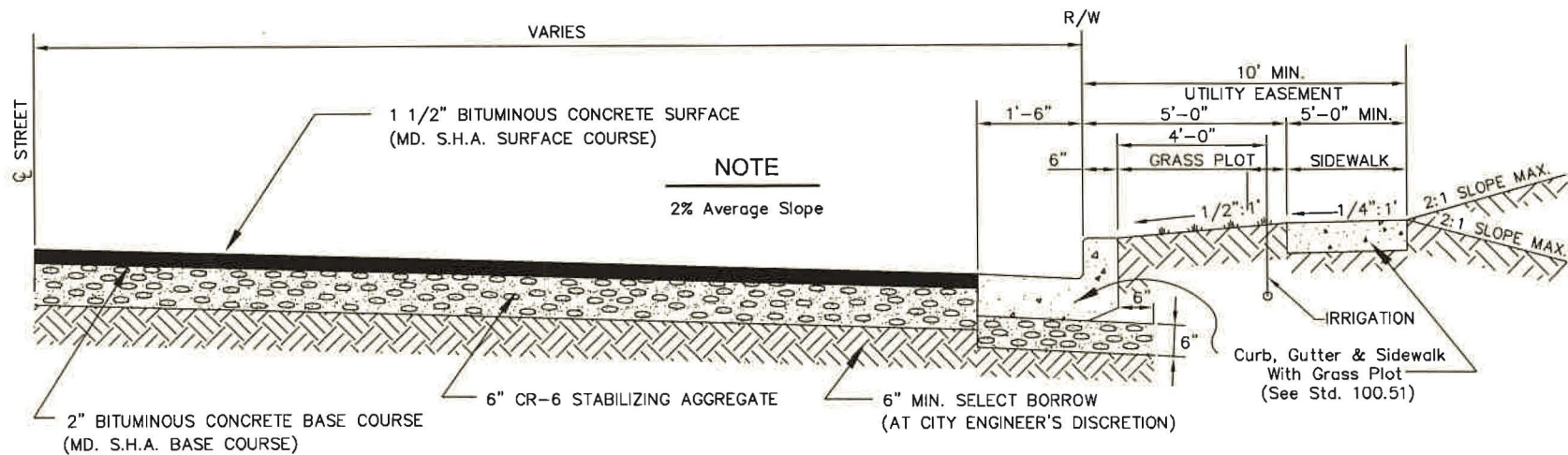
UNLESS OTHERWISE SPECIFIED, SHALL BE AS DESCRIBED UNDER CONSTRUCTION METHODS & MATERIALS-CONCRETE IN THE "CONSTRUCTION & MATERIALS SPECIFICATION FOR UTILITY AND ROADWAY CONSTRUCTION" MANUAL LATEST REVISION.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amanda Bellack* DATE  
CITY ENGINEER

TRAFFIC ISLAND  
SAFETY CURB

DATE 7/12/90  
SCALE NONE  
DWG. NO. STD10057  
STD. NO. 100.57

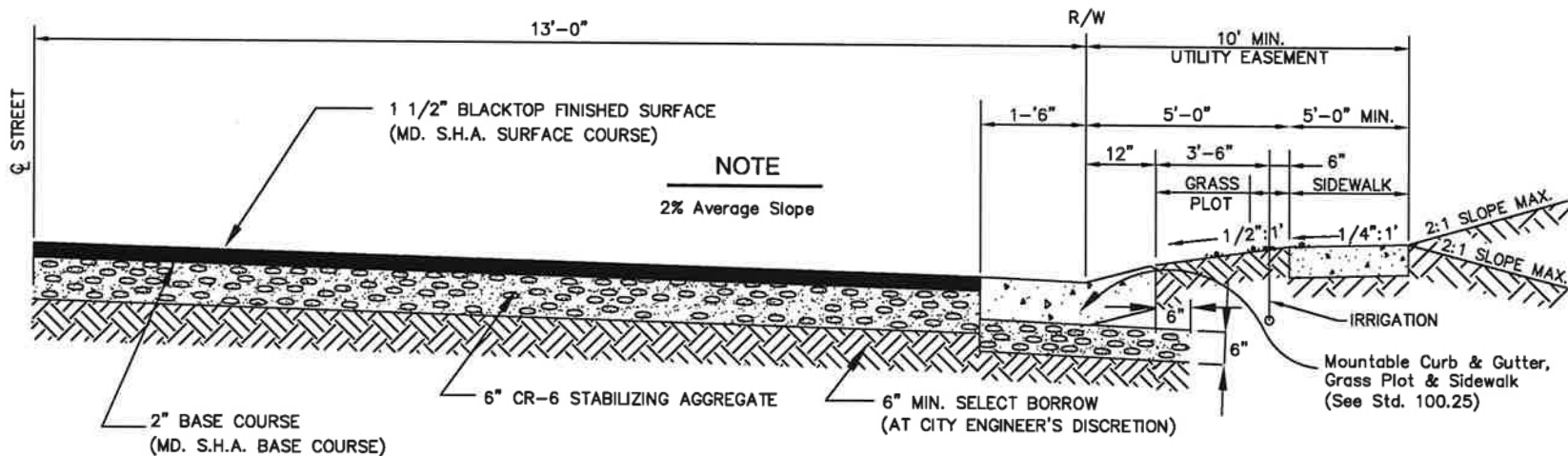


## NOTES

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.
6. IF ON-STREET PARKING IS DESIRED, STREET DESIGN SHALL BE WIDENED BY 8'-0" PER SIDE AND CURB EXTENSIONS PROVIDED.

REVISED: 05/31/21

<p style="font-size: 1.2em; margin: 0;">CITY OF SALISBURY</p> <p style="font-size: 1.2em; margin: 0;">SALISBURY, MD</p>	<p>APPROVED</p> <p style="text-align: center;"><i>12-8-22</i></p> <p style="text-align: right;">DATE</p>	<p style="font-size: 1.2em; margin: 0;">TYPICAL SECTION</p> <p style="font-size: 1.2em; margin: 0;">TYPICAL LOCAL STREET</p> <p style="font-size: 1.2em; margin: 0;">WITH STANDARD CURB &amp; GUTTER</p>	<p>DATE</p>	<p>3/23/92</p>
	<p><i>Jennifer Bird</i></p> <p>CITY ENGINEER</p>		<p>SCALE</p>	<p>NONE</p>
			<p>DWG NO.</p>	<p>STD20011</p>
			<p>STD. NO</p>	<p>200.11</p>



## NOTES

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.
6. IRRIGATION WITHIN CITY EASEMENTS SHALL BE 3'6" TO CENTERLINE FROM BACK OF CURB.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED

1/2/18

DATE

*Amanda Pollack*  
CITY ENGINEER

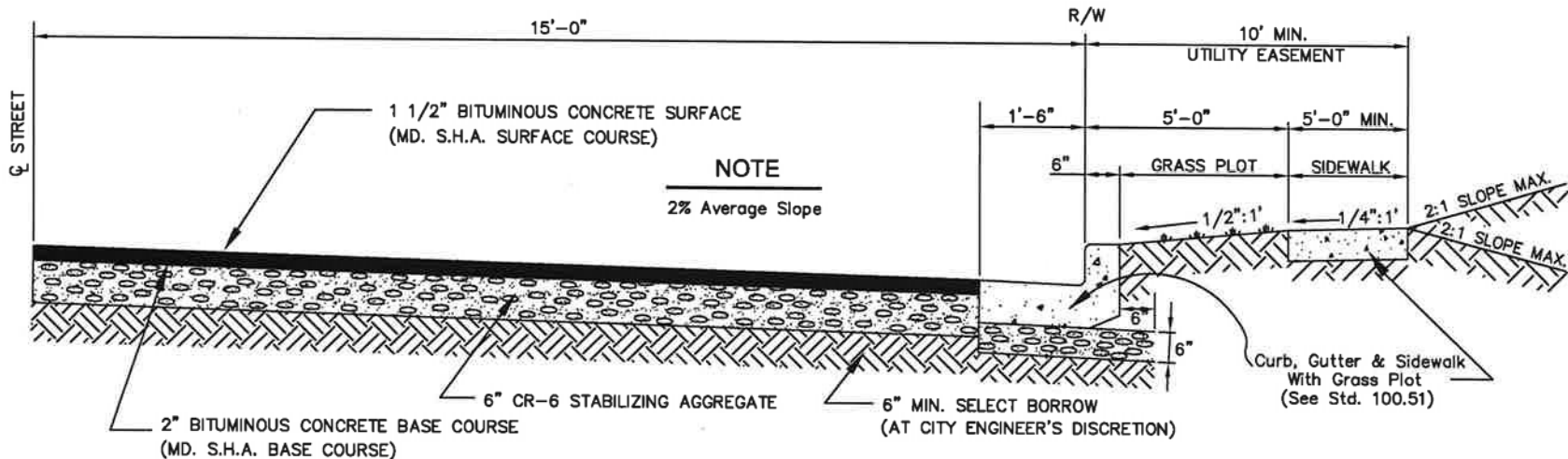
TYPICAL SECTION  
TYPICAL 26' LOCAL STREET  
WITH MOUNTABLE CURB & GUTTER

DATE 3/23/92

SCALE NONE

DWG NO. STD20013

STD. NO 200.13



## NOTES

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED

*1/2/18*

DATE

*Amanda Pollack*  
CITY ENGINEER

TYPICAL SECTION  
TYPICAL 30' MINOR COLLECTOR STREET  
WITH STANDARD CURB & GUTTER

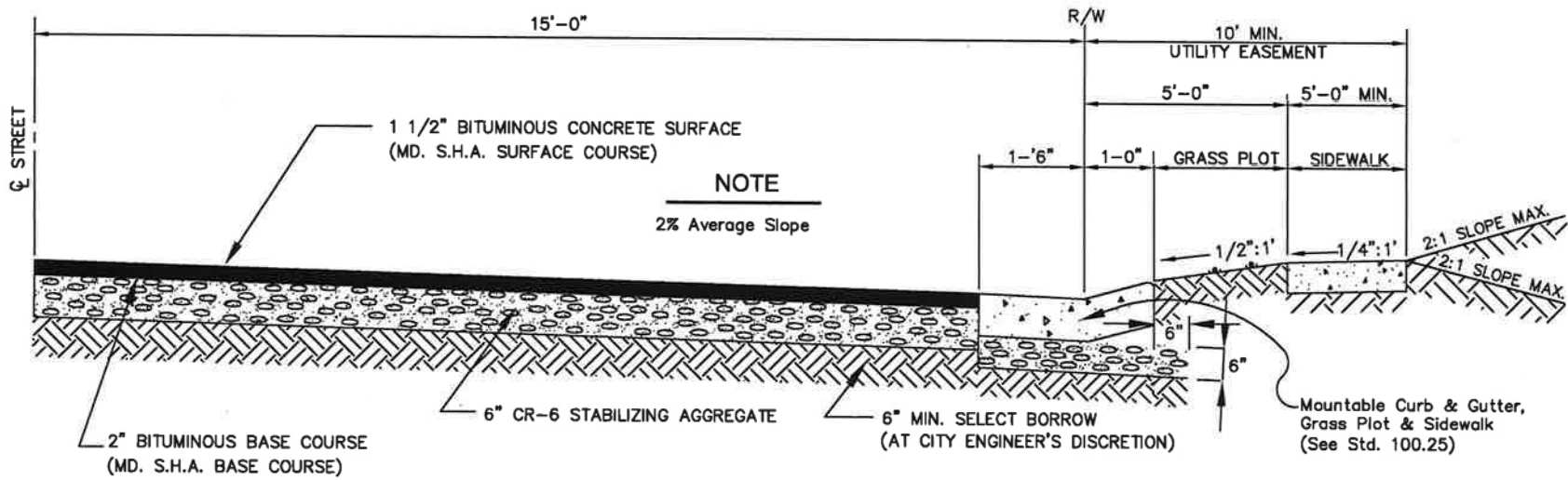
DATE 3/23/92

SCALE NONE

DWG NO. STD20021

STD. NO 200.21



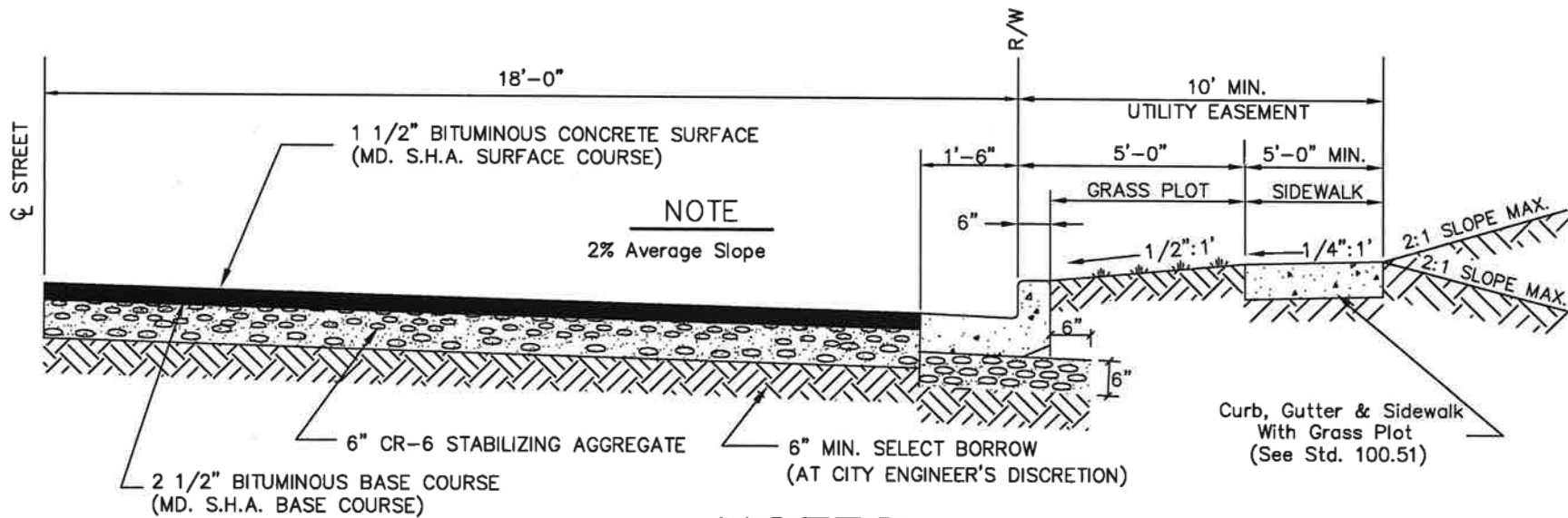


**NOTE**  
2% Average Slope

### NOTES

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.

<b>CITY OF SALISBURY</b>  <b>SALISBURY, MD</b>	APPROVED <i>1/2/18</i> DATE	<b>TYPICAL SECTION</b>  <b>TYPICAL 30' MINOR COLLECTOR STREET</b>  <b>WITH MOUNTABLE CURB &amp; GUTTER</b>	DATE 3/23/92
	<i>Amanda Pollack</i> CITY ENGINEER		SCALE NONE
			DWG NO. STD20023
			STD. NO 200.23



## NOTES

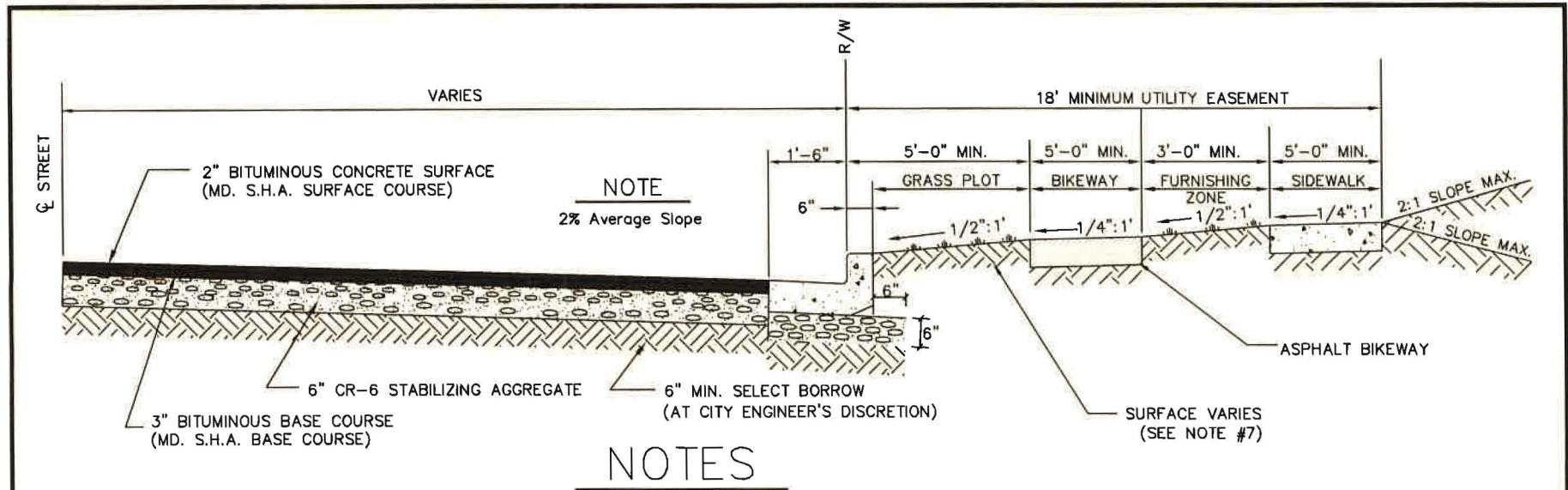
1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
Amanda Pollack  
CITY ENGINEER

TYPICAL SECTION  
TYPICAL 36' MAJOR COLLECTOR STREET  
WITH STANDARD CURB & GUTTER

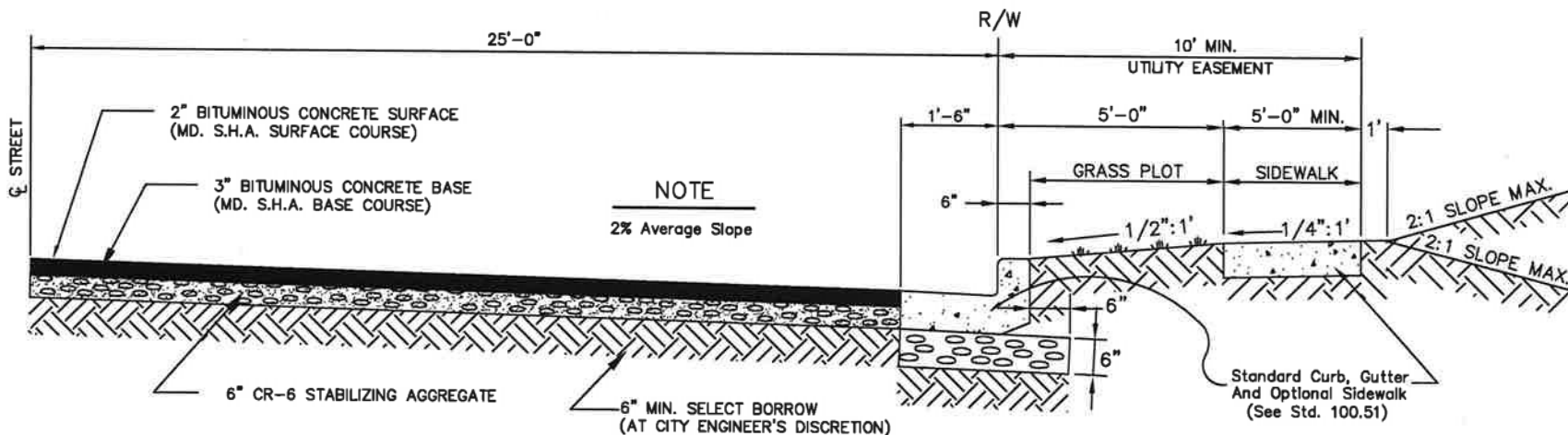
DATE	3/23/92
SCALE	NONE
DWG NO.	STD20035
STD. NO	200.35



1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.
6. IF ON-STREET PARKING IS DESIRED, STREET DESIGN SHALL BE WIDENED BY 8'-0" PER SIDE AND CURB EXTENSIONS PROVIDED.
7. SURFACE OF GRASS PLOT MAY VARY BY CONTENT. MORE URBANIZED AREAS MAY REQUIRE BRICK OR OTHER SURFACES.
8. CITY MAY REQUIRE TREES OR OTHER LANDSCAPING TO BE PLACED IN GRASS PLOT OR FURNISHING ZONE BASED ON CONTEXT.
9. GRASS PLOT MAY BE RAISED FOR PLACEMENT OF STORMWATER BEST MANAGEMENT PRACTICES (BMPs).
10. DEFAULT MATERIAL FOR PROTECTED BIKEWAY IS PAVEMENT (BITUMINOUS CONCRETE). OTHER MATERIALS MAY BE USED AT DISCRETION OF ENGINEER.

REV: 05-31-2021

<p>CITY OF SALISBURY</p> <p>SALISBURY, MD</p>	<p>APPROVED</p> <p style="text-align: center;"><i>12-8-22</i></p> <p style="text-align: right;">DATE</p>	<p>TYPICAL SECTION</p> <p>TYPICAL MAJOR COLLECTOR STREET</p> <p>WITH STANDARD CURB &amp; GUTTER</p>	<p>DATE</p> <p style="text-align: center;">3/23/92</p>
	<p><i>Gaith King</i></p> <p>CITY ENGINEER</p>		<p>SCALE</p> <p style="text-align: center;">NONE</p>
			<p>DWG NO.</p> <p style="text-align: center;">STD20041</p>
			<p>STD. NO</p> <p style="text-align: center;">200.41</p>



## NOTES

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED

*1/2/18*

DATE

*Amanda Pollack*

CITY ENGINEER

## TYPICAL SECTION

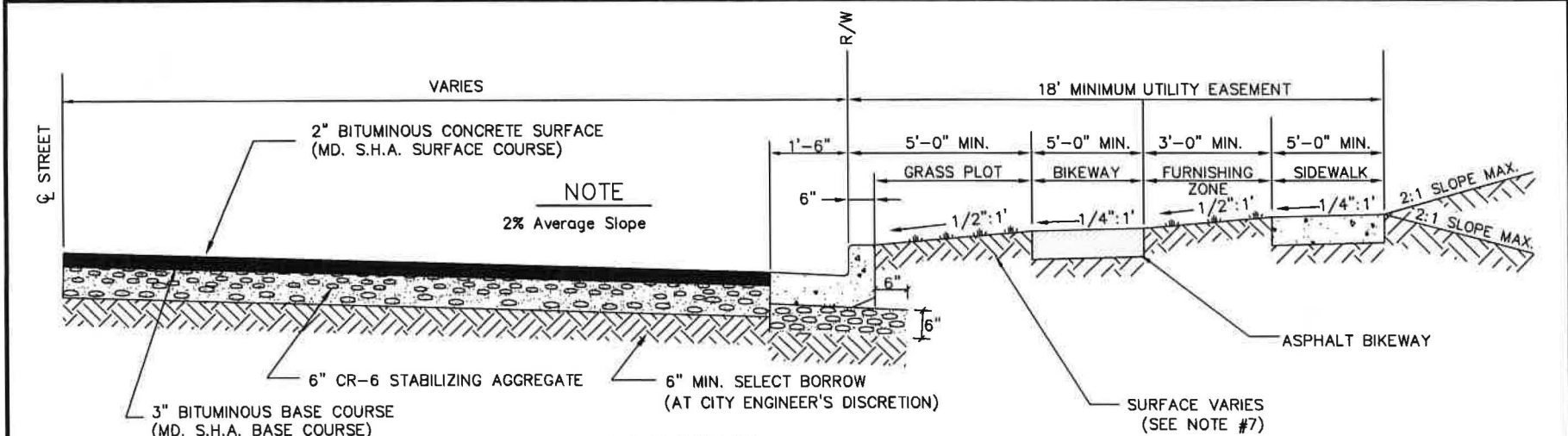
(INDUSTRIAL/COMMERCIAL)  
50' MAJOR COLLECTOR STREET  
WITH STANDARD CURB & GUTTER

DATE 3/23/92

SCALE NONE

DWG NO. STD20051

STD. NO 200.51



**NOTE**  
2% Average Slope

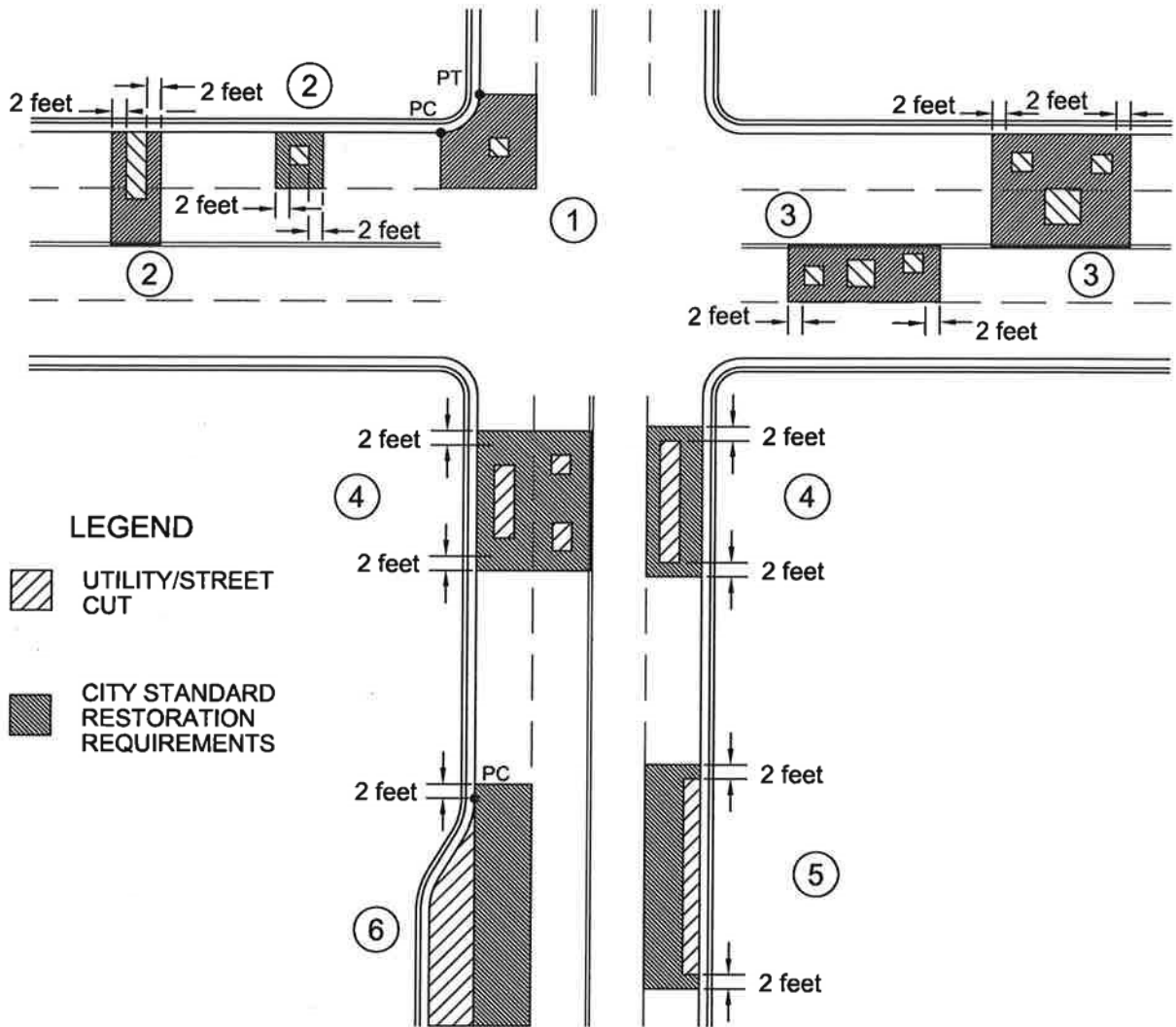
**NOTES**

1. WHERE BASE SOIL IS OF UNSUITABLE MATERIAL THE ENGINEER, AT HIS DISCRETION, MAY REQUIRE REMOVAL AND REPLACEMENT WITH SELECT BORROW MEETING REQUIREMENTS OF B.P.R. A-1, OR A-3 FRIABLE.
2. WHERE GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY REQUIRE SUITABLE UNDERDRAIN.
3. INFORMATION SHOWN ON DRAWINGS ARE MINIMUM STANDARDS.
4. ALL STREETS SHALL BE CONSTRUCTED IN ACCORDANCE TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", AS PUBLISHED BY THE M.D.O.T., S.H.A., LATEST EDITION.
5. GRASS PLOT MAY BE ELIMINATED BY CITY APPROVAL ONLY. ELIMINATION REQUIRES 5'-0" WIDTH SIDEWALK PLACED AGAINST CURB.
6. IF ON-STREET PARKING IS DESIRED, STREET DESIGN SHALL BE WIDENED BY 8'-0" PER SIDE AND CURB EXTENSIONS PROVIDED.
7. SURFACE OF GRASS PLOT MAY VARY BY CONTENT. MORE URBANIZED AREAS MAY REQUIRE BRICK OR OTHER SURFACES.
8. CITY MAY REQUIRE TREES OR OTHER LANDSCAPING TO BE PLACED IN GRASS PLOT OR FURNISHING ZONE BASED ON CONTEXT.
9. GRASS PLOT MAY BE RAISED FOR PLACEMENT OF STORMWATER BEST MANAGEMENT PRACTICES (BMPs).
10. DEFAULT MATERIAL FOR PROTECTED BIKEWAY IS PAVEMENT (BITUMINOUS CONCRETE). OTHER MATERIALS MAY BE USED AT DISCRETION OF ENGINEER.

REV: 05-31-2021

<p>CITY OF SALISBURY SALISBURY, MD</p>	<p>APPROVED <u>12-8-22</u> DATE</p>	<p>TYPICAL SECTION TYPICAL ARTERIAL STREET WITH STANDARD CURB &amp; GUTTER</p>	<p>DATE 3/23/92</p>
	<p><i>Justin Lind</i> CITY ENGINEER</p>		<p>SCALE NONE</p>
			<p>DWG NO. STD20061</p>
			<p>STD. NO 200.61</p>

EXAMPLES OF RESTORATION LIMITS FOR REPAVING AND RECONSTRUCTION, IN CONJUNCTION WITH RESOLUTION 2298, WHICH SUPERCEDES RESOLUTION 1312.



THE SCENARIOS SHOWN ARE EXAMPLES OF TYPICAL APPLICATIONS OF THE CITY OF SALISBURY REPAVING AND RECONSTRUCTION POLICY, RESOLUTION 2298, AND MAY BE MODIFIED AT THE DISCRETION OF THE CITY.

- ① 4.a - RESTORATION OF ROADWAY AT AN INTERSECTION.
- ② 5.a.1 - RESTORATION OF ROADWAY WHEN UTILITY CUTS ARE TRANSVERSE TO THE ROADWAY CENTERLINE.
- ③ 5.a.2 - RESTORATION OF ROADWAY WHEN TWO OR MORE UTILITY CUTS ARE TRANSVERSE TO THE ROADWAY CENTERLINE TO INCLUDE TEST PITTING AND SOIL BORING.
- ④ 5.b.1 - RESTORATION OF ROADWAY WHEN ONE OR MORE UTILITY CUTS ARE PARALLEL TO THE ROADWAY CENTERLINE TO INCLUDE TEST PITTING AND SOIL BORING.
- ⑤ 5.c.1 - RESTORATION OF ROADWAY WHERE CURB AND GUTTER IS CONSTRUCTED OR RECONSTRUCTED.
- ⑥ 6 - RESTORATION OF ROADWAY AT ROADWAY WIDENING.

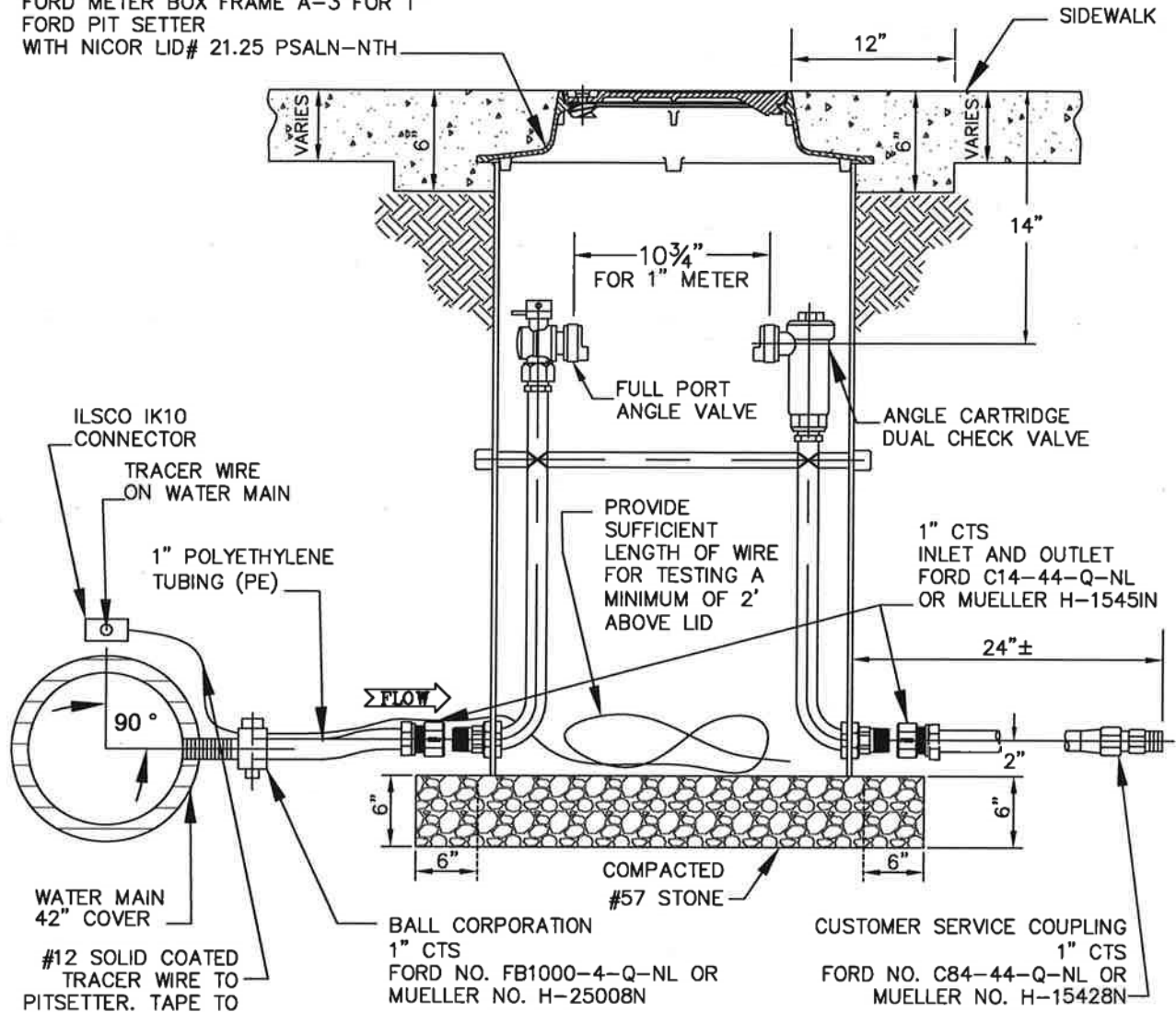
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

RESTORATION LIMITS  
FOR  
ASPHALT PAVEMENT

DATE 9/04/13  
SCALE NONE  
DWG. NO. STD20072  
STD. NO. 200.72

SINGLE LID  
 FORD METER BOX FRAME A-3 FOR 1"  
 FORD PIT SETTER  
 WITH NICOR LID# 21.25 PSALN-NTH

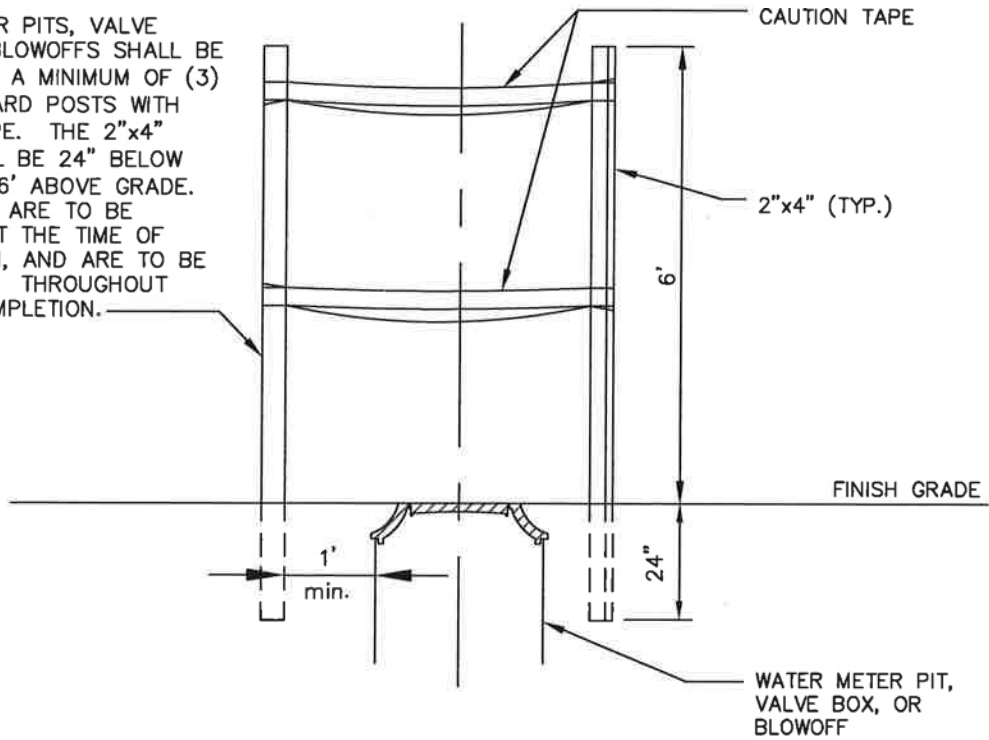


== NOTES ==

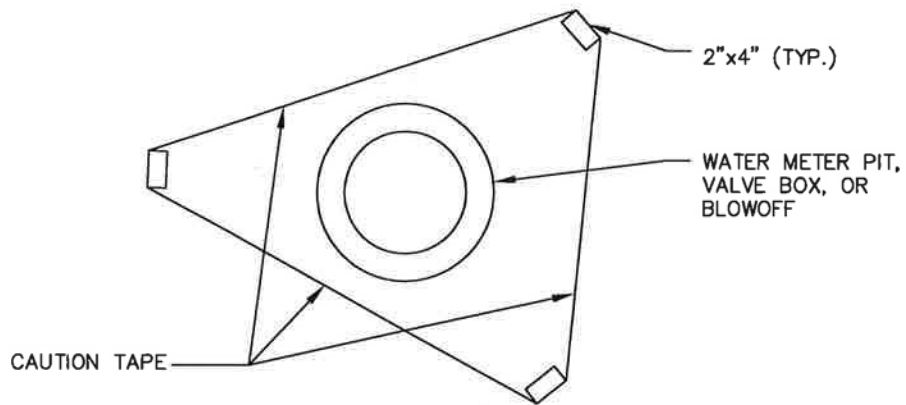
1. WATER METER—SHALL BE SIZED, FURNISHED & INSTALLED BY CITY FORCES.
2. VAULT AREA BASE SHALL BE 6" COMPACTED #57 STONE.
3. IF WATER MAIN IS C-900, USE APPROVED SADDLE FOR TAP.
4. FOR C-900 MAIN 12" OR LESS: FORD FS313 SERIES STAINLESS STEEL SADDLE; MUELLER SS SERIES STAINLESS STEEL SERVICE SADDLE FOR 1" SERVICE SINGLE STUD 5" LENGTH.
5. FORD PITSETTER—FORD (SHOWN) NO. PSBHC-488-20-36-Q-NL-NO BYPASS MUELLER 1" RIGID COPPER SINGLE METER PIT W/OPTION CODE 000590.
6. PE TUBING SHALL BE CLASS 200, SDR-9, CTS-OD, 200 PSI, INSTALLED WITH #12 SOLID COATED COPPER TRACER WIRE FROM CORP. STOP TO SUPPLY SIDE ANGLE VALVE. ALL FITTINGS USED WITH PE TUBING SHALL HAVE S.S. INSERTS.
7. 1" PIT SETTERS INSTALLED IN UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1' BEYOND THE FRAME OF THE PIT SETTER LID. THE COLLAR SHALL BE 8" THICK AND BE SUPPORTED BY A 6" BASE OF #57 STONE AGGREGATE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. SLOPE THE COLLAR IN SUCH A WAY AS TO CREATE POSITIVE DRAINAGE.
8. SEE STD 300.15 FOR GUARD DETAIL.

CITY OF SALISBURY SALISBURY, MD	APPROVED <i>1/2/18</i>	<h2>1" WATER SERVICE</h2>	DATE 3/23/05
	DATE <i>Amanda Pellock</i>		SCALE NONE
	CITY ENGINEER		DWG. NO. STD30014
			STD. NO. 300.14

WATER METER PITS, VALVE BOXES, OR BLOWOFFS SHALL BE GUARDED BY A MINIMUM OF (3) 2"x4"x8' GUARD POSTS WITH CAUTION TAPE. THE 2"x4" POSTS SHALL BE 24" BELOW GRADE AND 6' ABOVE GRADE. THE GUARDS ARE TO BE INSTALLED AT THE TIME OF INSTALLATION, AND ARE TO BE MAINTAINED THROUGHOUT PROJECT COMPLETION.



**FRONT VIEW**



**PLAN VIEW**

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
*Amanda Bollack*  
DATE  
CITY ENGINEER

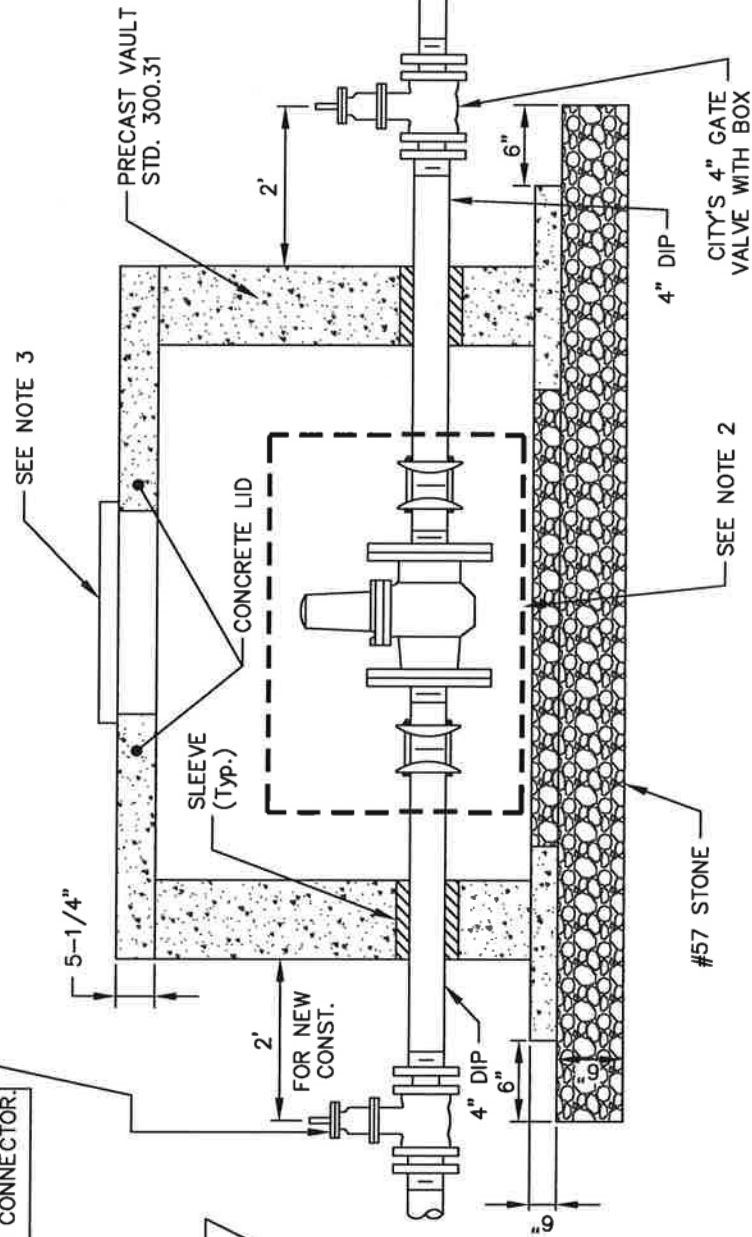
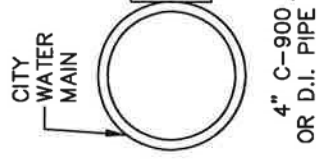
TYPICAL WATER METER PIT,  
VALVE BOX, OR BLOWOFF  
MARKER/GUARD DETAIL

DATE	1/31/06
SCALE	NONE
DWG. NO.	STD30015
STD. NO.	300.15



\* CITY'S 4" GATE VALVE WITH BOX TRACER WIRE TO BE ACCESSIBLE FROM VALVE BOX AND TIED INTO MAIN WITH ILSKO IK10 CONNECTOR.

4" BRANCH OFF MAIN (NEW CONSTRUCTION) OR TAPPING TEE AND VALVE. (RETROFIT)



NOTES

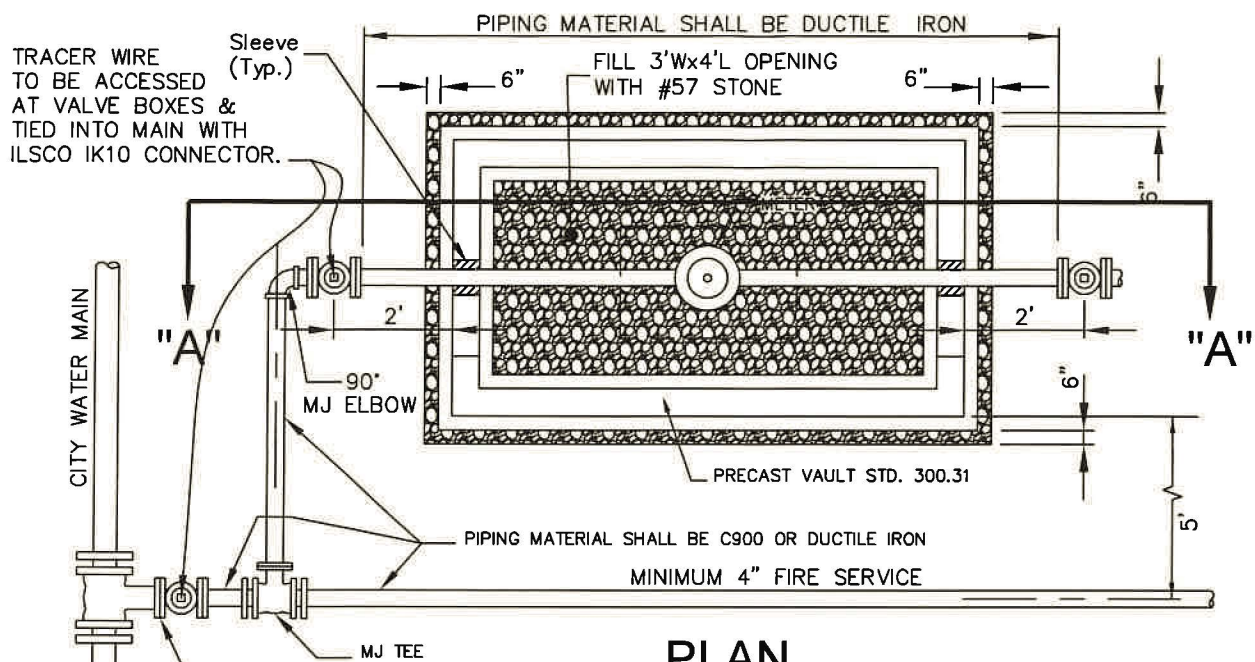
1. SLEEVES SHALL BE PVC OR IRON PIPE TWO (2) PIPE SIZES GREATER THAN SERVICE PIPE.
2. WATER METER SHALL BE SIZED, FURNISHED AND INSTALLED BY CITY FORCES.
3. CASTING—SEE DETAIL 300.30
4. INLET AND OUTLET OPENINGS TO BE FURNISHED W/APPROVED GASKET FROM MANUFACTURER OR A FIELD INSTALLED GASKET APPROVED BY CITY INSPECTOR.
5. CONCRETE LID SHALL BE FASTENED TO STRUCTURE WITH APPROVED TYPE S MORTAR.
6. DOMESTIC SERVICE PIPING MATERIAL SHALL BE DUCTILE IRON PIPE FROM GATE VALVE TO GATE VALVE, THROUGH PIT. REMAINDER OF PIPING MATERIAL SHALL BE C 900 OR DUCTILE IRON.
7. AN APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON CUSTOMER SERVICE SIDE OF VAULT WHICH IS TO BE OWNED AND MAINTAINED BY CUSTOMER.

CITY OF SALISBURY  
SALISBURY, MD

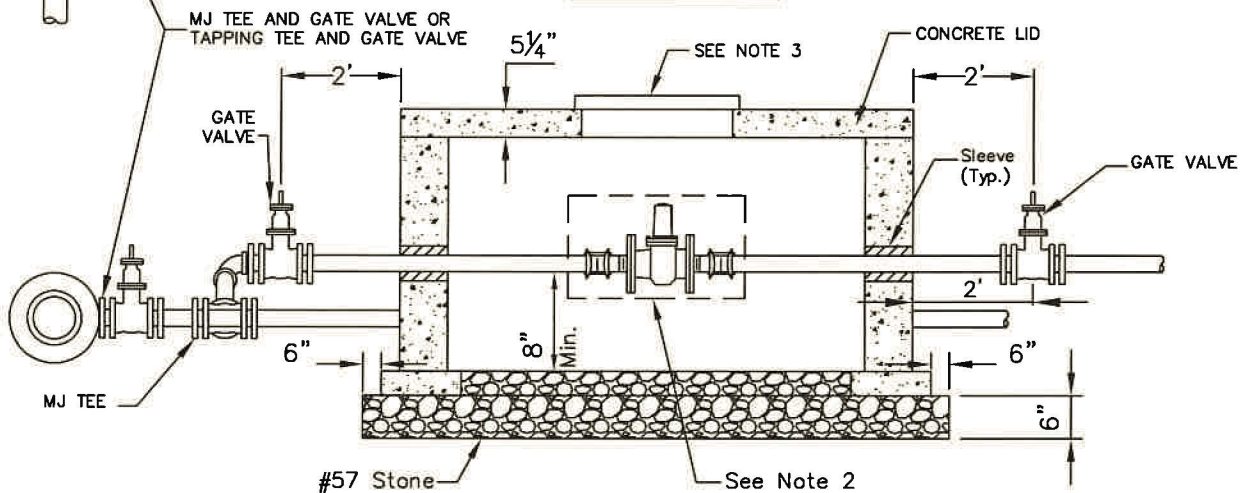
APPROVED  
1/2/18  
*Amanda Pollock*  
CITY ENGINEER

TYPICAL 4" WATER SERVICE

DATE	3/24/99
SCALE	NONE
DWG. NO.	STD30025
STD. NO.	300.25



## PLAN



## SECTION A-A

- NOTES:
1. SLEEVES SHALL BE PVC OR IRON PIPE TWO (2) PIPE SIZES GREATER THAN SERVICE PIPE.
  2. WATER METER SHALL BE SIZED, FURNISHED AND INSTALLED BY CITY FORCES.
  3. CASTING—SEE DETAIL 300.30
  4. INLET AND OUTLET OPENINGS TO BE FURNISHED W/APPROVED GASKET FROM MANUFACTURER OR A FIELD INSTALLED GASKET APPROVED BY CITY INSPECTOR.
  5. CONCRETE LID SHALL BE FASTENED TO STRUCTURE WITH APPROVED TYPE S MORTAR.
  6. DOMESTIC SERVICE PIPING MATERIAL SHALL BE DUCTILE IRON PIPE FROM GATE VALVE TO GATE VALVE, THROUGH PIT. REMAINDER OF PIPING MATERIAL SHALL BE C 900 OR DUCTILE IRON.
  7. AN APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON CUSTOMER SERVICE SIDE OF VAULT WHICH IS TO BE OWNED AND MAINTAINED BY CUSTOMER.
  8. REFER TO CITY CODE SECTION 13.08.050 FOR ADDITIONAL REQUIREMENTS.

REVISED: 01/04/23

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

*[Signature]*

DATE

2/23/23

CITY ENGINEER

COMBINATION DOMESTIC  
FIRE SERVICE  
DOMESTIC 4" OR GREATER  
FIRE SERVICE 4" OR GREATER

DATE 03/24/99

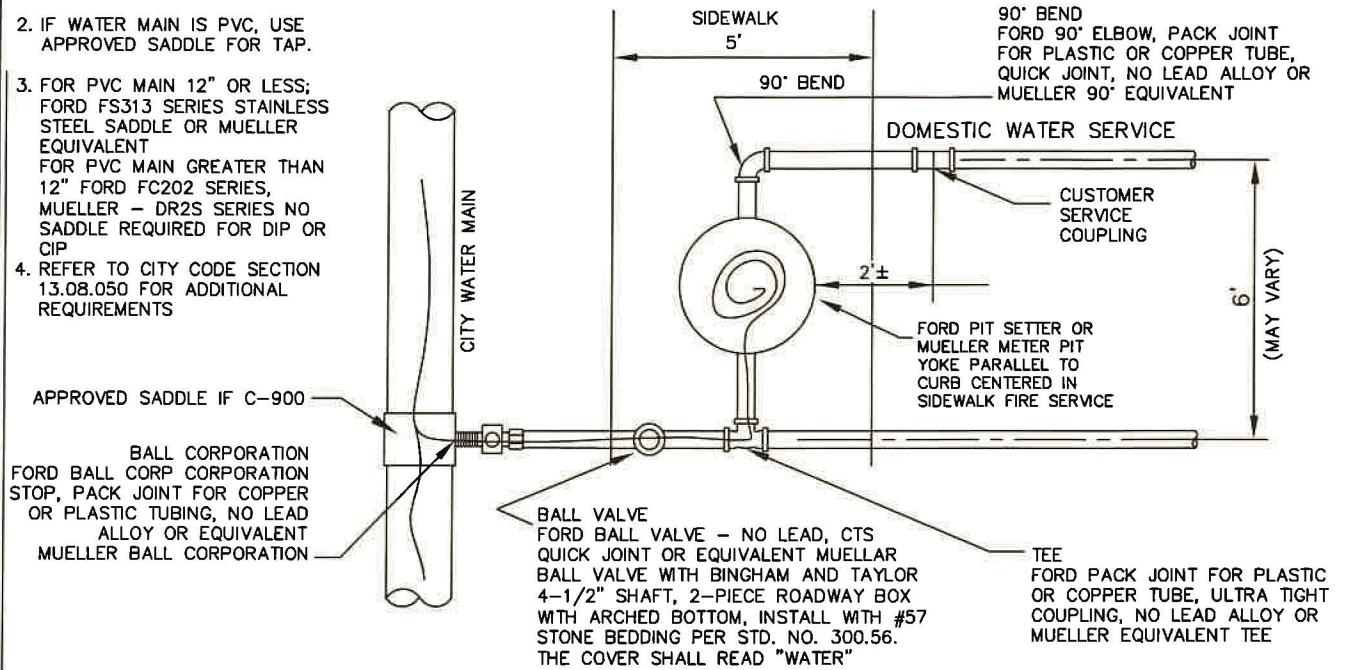
SCALE NONE

DWG. NO. STD30026

STD. NO. 300.26

**NOTES**

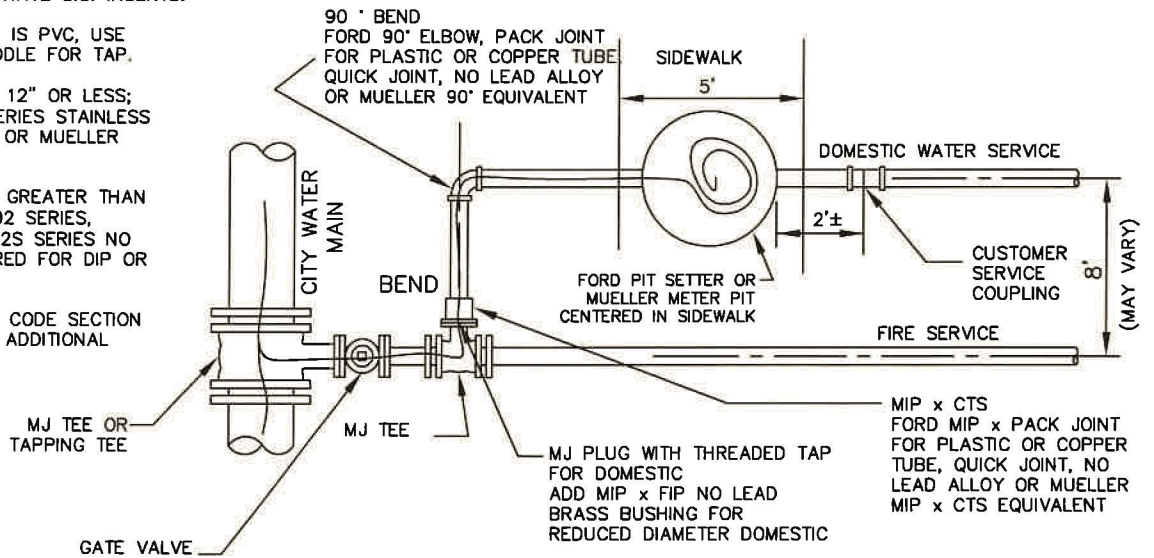
1. ALL FITTINGS USED WITH PE TUBING SHALL HAVE S.S. INSERTS.
2. IF WATER MAIN IS PVC, USE APPROVED SADDLE FOR TAP.
3. FOR PVC MAIN 12" OR LESS; FORD FS313 SERIES STAINLESS STEEL SADDLE OR MUELLER EQUIVALENT FOR PVC MAIN GREATER THAN 12" FORD FC202 SERIES, MUELLER - DR2S SERIES NO SADDLE REQUIRED FOR DIP OR CIP
4. REFER TO CITY CODE SECTION 13.08.050 FOR ADDITIONAL REQUIREMENTS



**DOMESTIC WATER SERVICE 1" TO 3-3/4"  
FIRE SERVICE 1" TO 3-3/4"**

**NOTES**

1. ALL FITTINGS USED WITH PE TUBING SHALL HAVE S.S. INSERTS.
2. IF WATER MAIN IS PVC, USE APPROVED SADDLE FOR TAP.
3. FOR PVC MAIN 12" OR LESS; FORD FS313 SERIES STAINLESS STEEL SADDLE OR MUELLER EQUIVALENT FOR PVC MAIN GREATER THAN 12" FORD FC202 SERIES, MUELLER - DR2S SERIES NO SADDLE REQUIRED FOR DIP OR CIP
4. REFER TO CITY CODE SECTION 13.08.050 FOR ADDITIONAL REQUIREMENTS



**DOMESTIC WATER SERVICE 1" - 3-3/4"  
FIRE SERVICE 4" OR GREATER**

REVISED: 01/04/23

**CITY OF  
SALISBURY  
SALISBURY, MD**

APPROVED

*[Signature]*  
DATE 2/23/23  
CITY ENGINEER

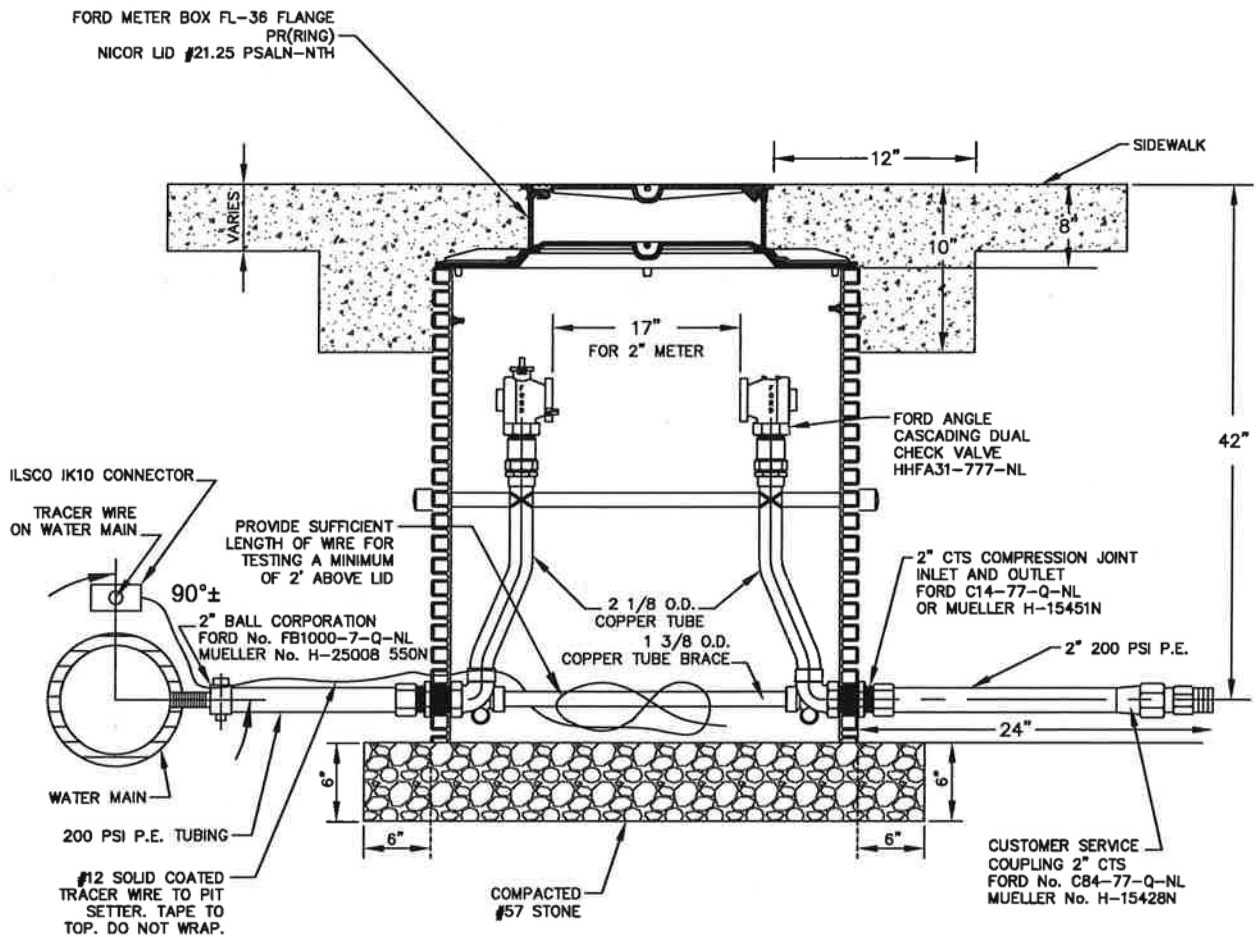
**CONFIGURATION:  
COMBINATION DOMESTIC  
FIRE SERVICE  
"PLAN VIEW"**

DATE 1/29/08

SCALE NONE

DWG. NO. STD30029

STD. NO. 300.29



NOTES

1. WATER METER—SHALL BE SIZED, FURNISHED & INSTALLED BY CITY FORCES.
2. VAULT AREA BASE SHALL BE 6" COMPACTED #57 STONE.
3. USE APPROVED SADDLE FOR TAP.
4. FOR MAIN 12" OR LESS; FORD FS313 SERIES STAINLESS STEEL SADDLE MUELLER SS SERIES STAINLESS STEEL SADDLE FOR 2" SERVICE DOUBLE STUD 7½" LENGTH  
FOR MAIN GREATER THAN 12"; FORD FC202 SERIES MUELLER - DR2S SERIES
5. FORD PITSETTER—FORD NO. PMBHH-788-36-42-G-NL NO BYPASS
6. PE TUBING SHALL BE CLASS 200, SDR-9, CTS-OD, 200 PSI, INSTALLED WITH #12 SOLID COATED COPPER TRACER WIRE FROM CORP. STOP TO SUPPLY SIDE ANGLE VALVE. ALL FITTINGS USED WITH PE TUBING SHALL HAVE S.S. INSERTS. SEE WATER MAIN MATERIALS, WM-6.
7. 2" PIT SETTERS INSTALLED IN UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1' BEYOND THE FRAME OF THE PIT SETTER LID. THE COLLAR SHALL BE 8" THICK AND BE SUPPORTED BY A 6" BASE OF #57 AGGREGATE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. SLOPE THE COLLAR IN SUCH A WAY AS TO CREATE POSITIVE DRAINAGE.
8. SEE STD 300.15 FOR GUARD DETAIL.

CITY OF  
SALISBURY  
SALISBURY, MD

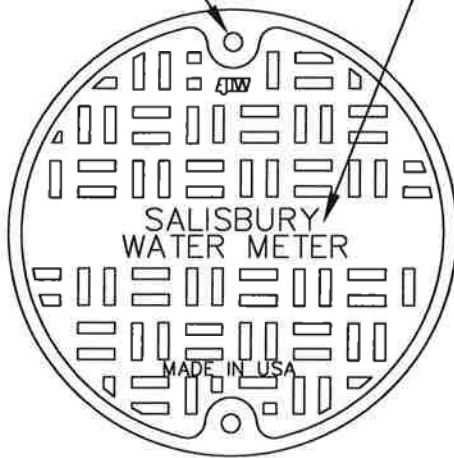
APPROVED  
1/2/18  
DATE  
Amanda Beland  
CITY ENGINEER

2" WATER SERVICE  
W/FORD PIT SETTER

DATE 12/14/01  
SCALE NONE  
DWG. NO. STD30027  
STD. NO. 300.27

1 1/8" DIA HOLES (TYP.)

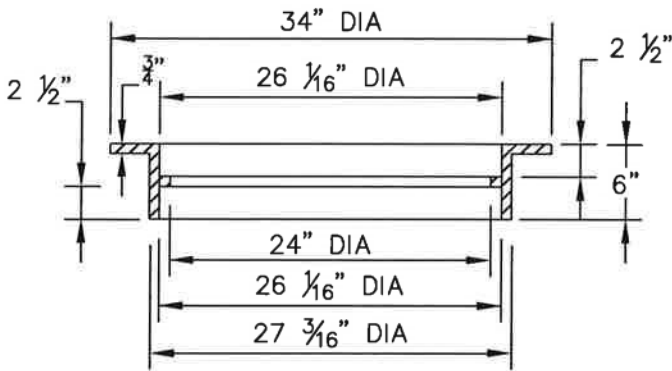
1 1/4" RAISED LETTERS



PLAN  
SCALE: N.T.S.

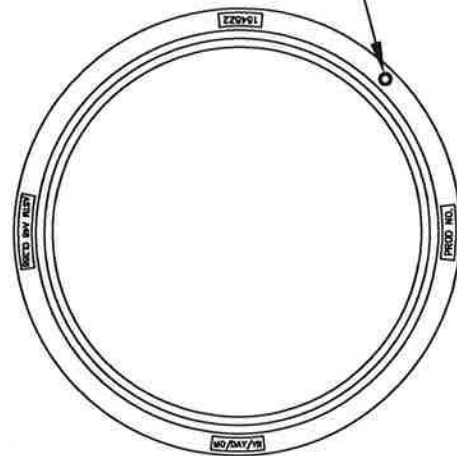


BOTTOM VIEW



FRAME—GRAY CAST IRON  
ASTM A48 CL35B

1" DIA HANDLING HOLE



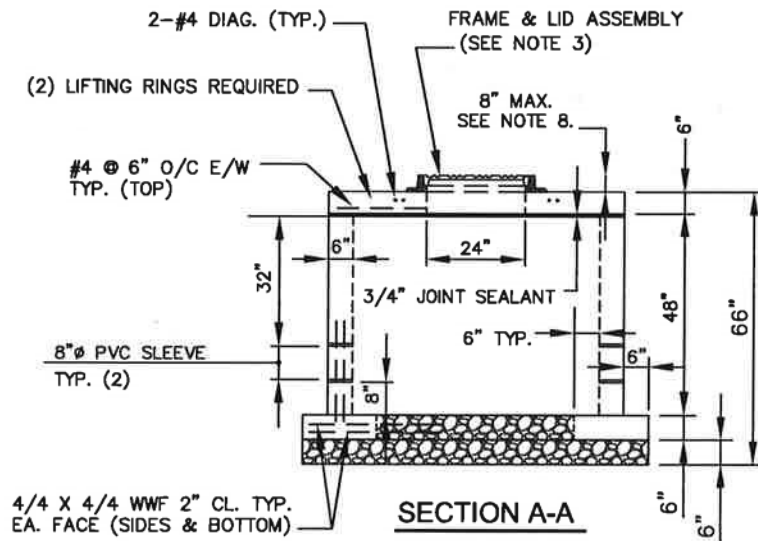
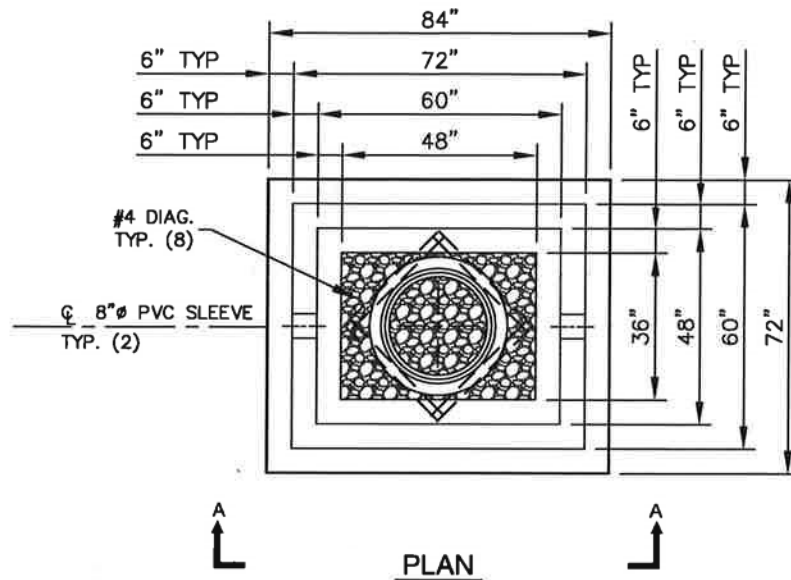
BOTTOM VIEW

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

CIRCULAR FRAME &  
COVER FOR PRE-CAST  
WATER METER VAULTS

DATE	4/13/81
SCALE	NONE
DWG. NO.	STD30030
STD. NO.	300.30



**NOTES:**

1. CONCRETE TO BE 5,000 PSI @ 28 DAYS
2. INLET AND OUTLET OPENINGS TO BE FURNISHED WITH APPROVED GASKETS FROM MANUFACTURER OR A FIELD INSTALLED GASKET APPROVED BY CITY INSPECTOR.
3. FRAME & LID ASSEMBLY SEE 300.30
4. SLEEVES SHALL BE PVC PIPE
5. VAULT AREA BASE SHALL BE 6" COMPACTED # 57 STONE
6. OPENING IN 6" THICK TOP SLAB SHALL BE 24" ROUND
7. INSIDE DIMENSIONS TO BE 4'W x 5'L WITH A 3'W x 4'L FLOOR OPENING.

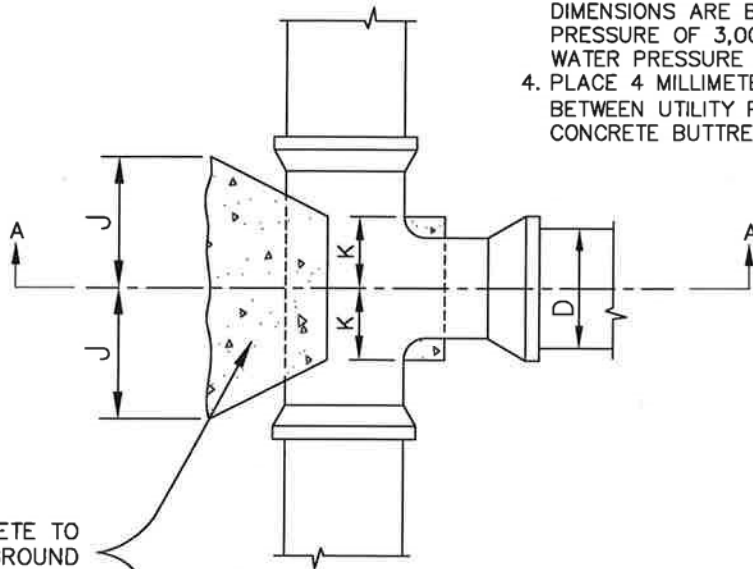
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
Amanda Pollack  
CITY ENGINEER

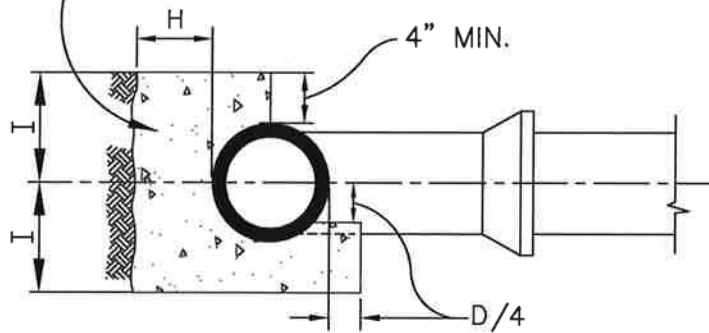
PRE-CAST CONCRETE  
WATER METER VAULT  
& LID

DATE 1/30/08  
SCALE N.T.S.  
DWG. NO. STD30031  
STD. NO. 300.31

- NOTES:
1. SHALL APPLY TO CUT IN TEES AND TAPPING TEES.
  2. ALL CONCRETE TO BE 2,500 PSI.
  3. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3,000 P.S.F. AND STATIC WATER PRESSURE OF 10 P.S.I.
  4. PLACE 4 MILLIMETER PLASTIC SHEETING BETWEEN UTILITY PIPE AND/OR FITTING AND CONCRETE BUTTRESS.



PLAN



SECTION A-A

BUTTRESS FOR TEES								
SIZE OF BRANCH								
D	6"	8"	10"	12"	16"	20"	24"	30"
H	8"	9"	10"	1'-0"	1'-2"	1'-4"	1'-6"	1'-9"
I	8"	10"	1'-0"	1'-3"	1'-8"	2'-1"	2'-6"	3'-1"
J	7"	9"	1'-0"	1'-2"	1'-6"	1'-11"	2'-4"	2'-10"
K	6"	8"	8"	8"	10"	1'-2"	1'-4"	1'-6"

CITY OF  
SALISBURY  
SALISBURY, MD

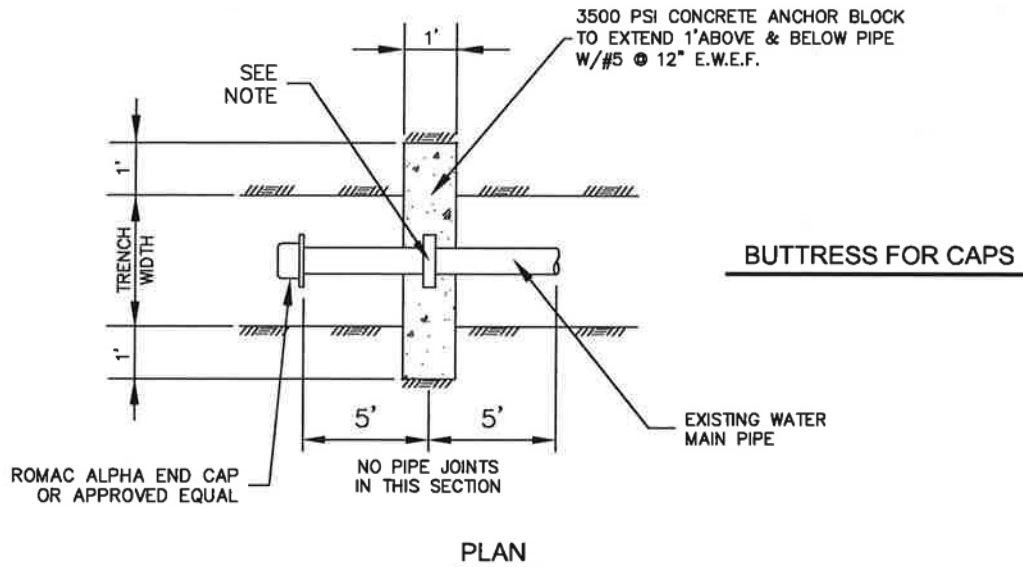
APPROVED  
*1/2/18*  
*Amanda Pollack* DATE  
CITY ENGINEER

STANDARD WATER DETAILS  
BUTTRESS FOR TEES

DATE 12/03/98  
SCALE NONE  
DWG. NO. STD30040  
STD. NO. 300.40

**NOTE:**

PVC — MEGALUG SERIES 2000 PV MJ RESTRAINT OR APPROVED EQUAL  
DIP — MEGALUG SERIES 1100 MJ RESTRAINT OR APPROVED EQUAL



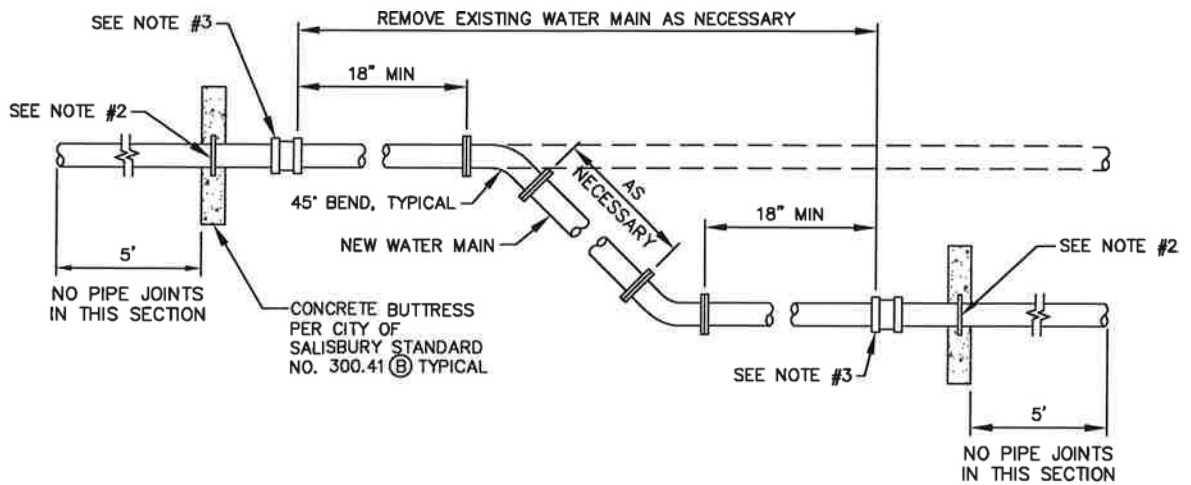
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Belack*  
CITY ENGINEER

STANDARD INSTALLATION  
FOR END CAPS ON EXISTING  
WATER MAINS

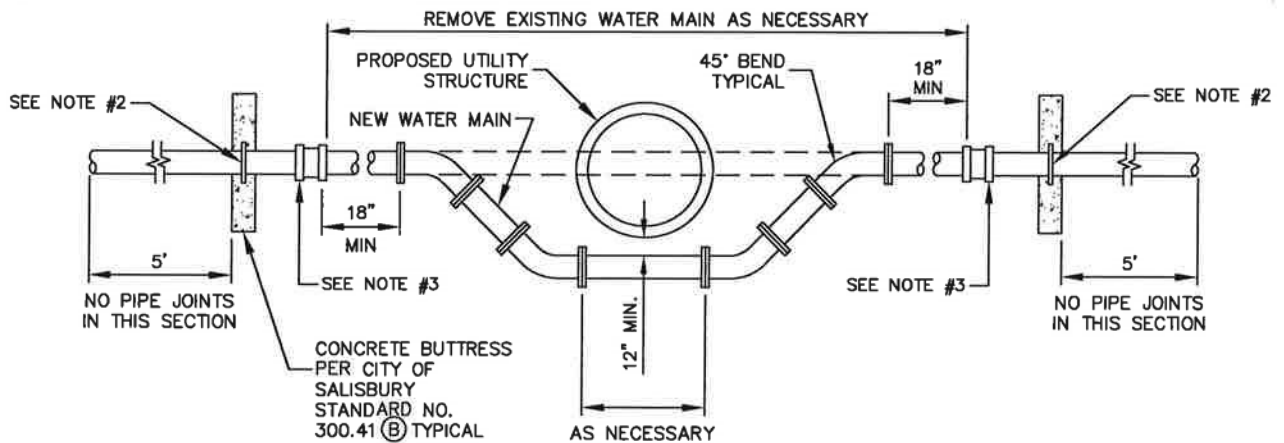
DATE	12/03/98
SCALE	NONE
DWG. NO.	STD30041
STD. NO.	300.41





HORIZONTAL REALIGNMENT

(A)



VERTICAL REALIGNMENT

(B)

NOTES:

1. TO RAISE WATER MAIN USE INVERSE OR MIRROR IMAGE OF VERTICAL REALIGNMENT
2. PVC-MEGALUG SERIES 2000 PV MJ RESTRAINT OR APPROVED EQUAL  
DIP-MEGALUG SERIES 1100 MJ RESTRAINT OR APPROVED EQUAL
3. STANDARD ALPHA, ALPHA TRANSITION RESTRAINED COUPLING MANUFACTURED BY ROMAC INDUSTRIES INC OR SERIES 3800 MEGA COUPLING MANUFACTURED BY EBAA IRON INC OR APPROVED EQUAL
4. MUST USE RESTRAINING GASKETS OR ALPHA COUPLINGS FOR ALL PIPE JOINTS.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amanda Pollack*  
CITY ENGINEER DATE

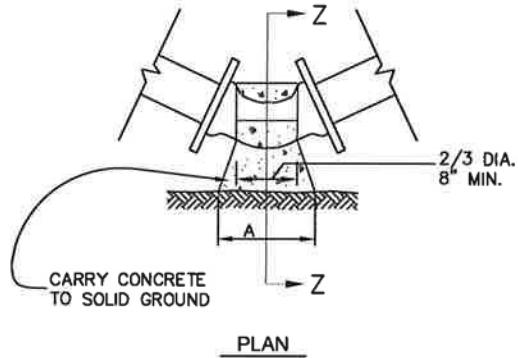
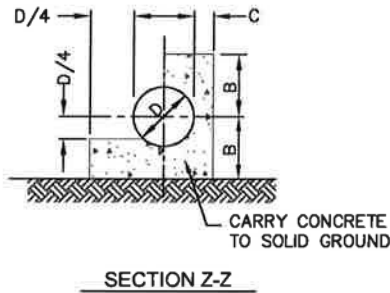
WATER MAIN  
REALIGNMENT DETAILS

DATE 1/30/08  
SCALE NONE  
DWG. NO. STA30042  
STD. NO. 300.42

NOTES:

1. ALL CONCRETE TO BE 2,500 PSI.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3,000 P.S.F. AND STATIC WATER PRESSURE OF 10 P.S.I.
- \* 3. PLACE 4 MILLIMETER PLASTIC SHEETING BETWEEN UTILITY PIPE AND/OR FITTING AND CONCRETE BUTTRESS. FOR PLAN A ONLY

BEND		6"	8"	10"	12"	16"	20"	24"	30"
11 1/4°	A	8"	8"	10"	1'-0"	1'-4"	1'-8"	2'-0"	2'-6"
	B	7"	8"	9"	10"	1'-0"	1'-2"	1'-4"	1'-7"
	C	7"	7"	8"	8"	9"	10"	1'-0"	1'-1"
22 1/2°	A	9"	1'-0"	1'-6"	1'-9"	2'-3"	3'-0"	3'-6"	4'-2"
	B	7"	8"	9"	10"	1'-0"	1'-2"	1'-4"	1'-7"
	C	8"	9"	10"	11"	1'-2"	1'-4"	1'-6"	1'-9"
45°	A	1'-3"	1'-8"	2'-1"	2'-6"	3'-4"	4'-2"	5'-0"	6'-3"
	B	7"	8"	9"	11"	1'-3"	1'-6"	1'-8"	2'-0"
	C	8"	9"	10"	11"	1'-2"	1'-4"	1'-9"	2'-3"
90°	A	2'-0"	2'-6"	3'-0"	3'-6"	5'-0"	SPECIAL DESIGN		
	B	0'-6"	0'-9"	1'-0"	1'-3"	1'-6"			
	C	1'-10"	1'-9"	1'-8"	1'-7"	1'-5"			



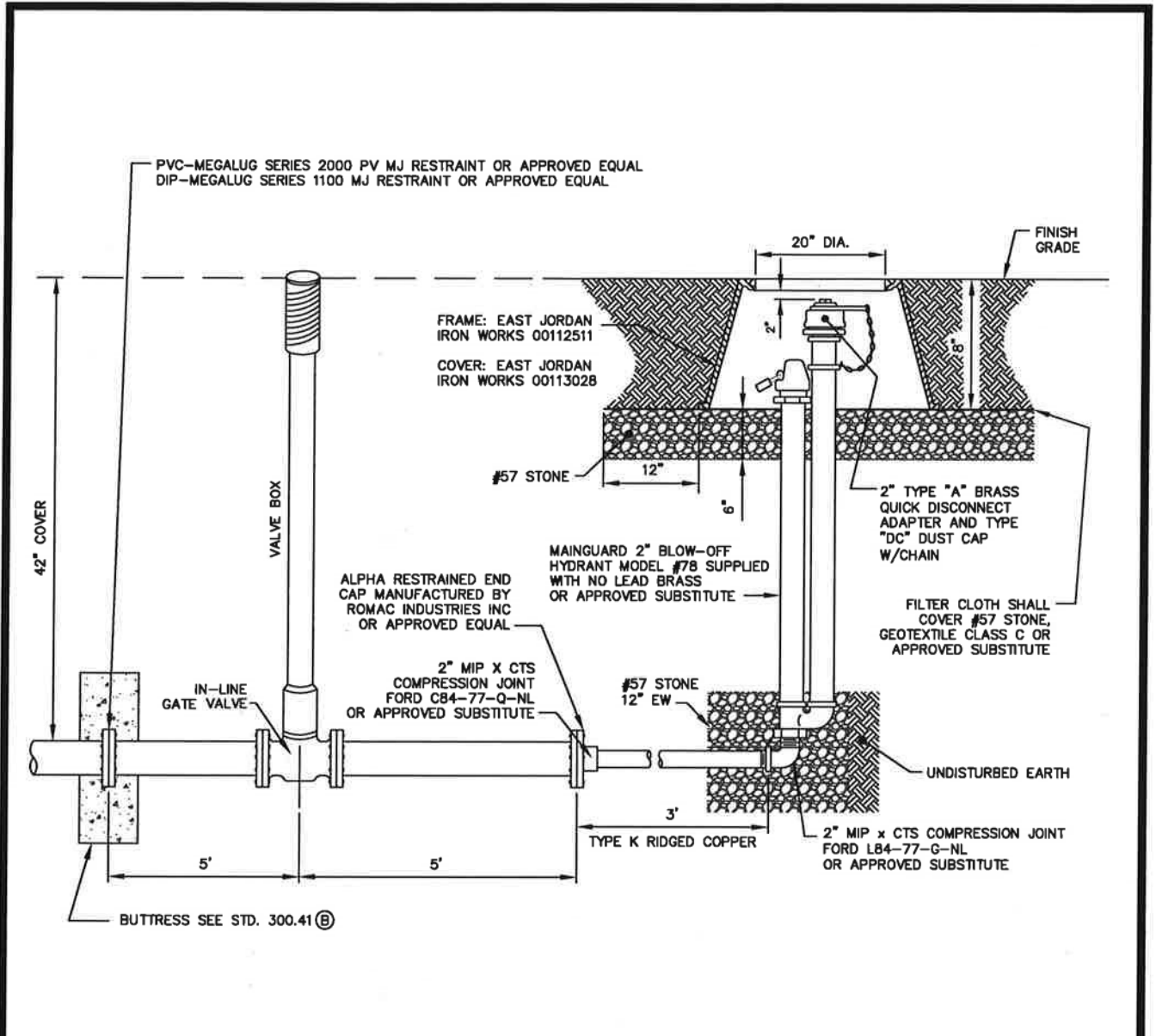
BUTTRESS FOR HORIZONTAL BENDS

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

STANDARD WATER DETAILS  
BUTTRESS FOR  
HORIZONTAL BENDS

DATE 12/03/98  
SCALE NONE  
DWG. NO. STD30043  
STD. NO. 300.43



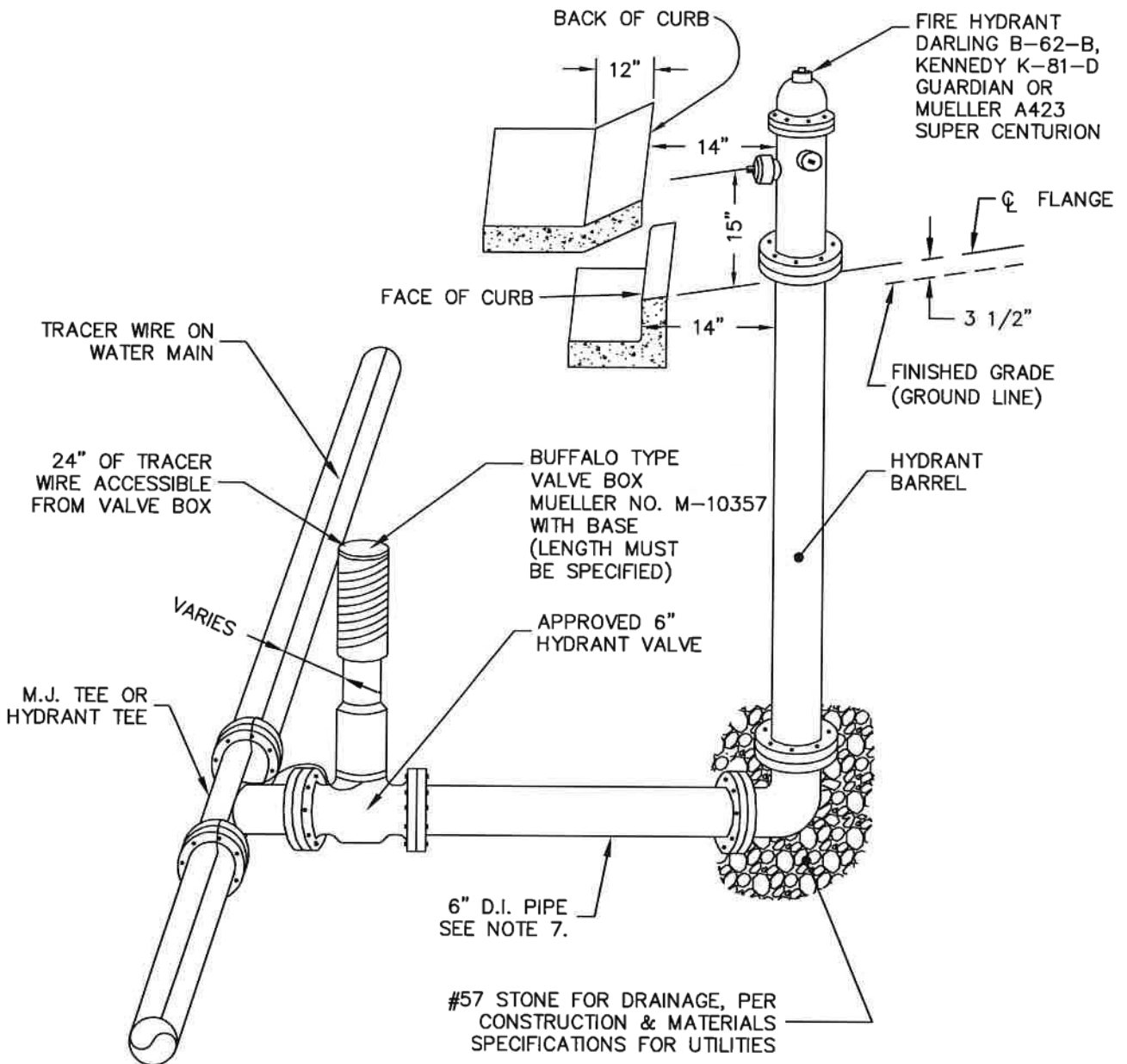
- NOTE:
- BLOW OFF HYDRANTS INSTALLED IN UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1' BEYOND THE FRAME OF THE BLOW OFF HYDRANT LID. THE COLLAR SHALL BE 8" THICK AND BE SUPPORTED BY A 6" BASE OF #57 STONE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. SLOPE THE COLLAR IN SUCH A WAY AS TO CREATE POSITIVE DRAINAGE. THE CONCRETE COLLAR SHALL BE REMOVED ENTIRELY PRIOR TO PAVING.
  - TRACER WIRE TO EXTEND 2' ABOVE VALVE BOX AND LAMP HOLE FOR ACCESS.

CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
Amanda Pollack  
CITY ENGINEER

BLOW-OFF HYDRANT

DATE	1/30/08
SCALE	NONE
DWG. NO.	STD30051
STD. NO.	300.51



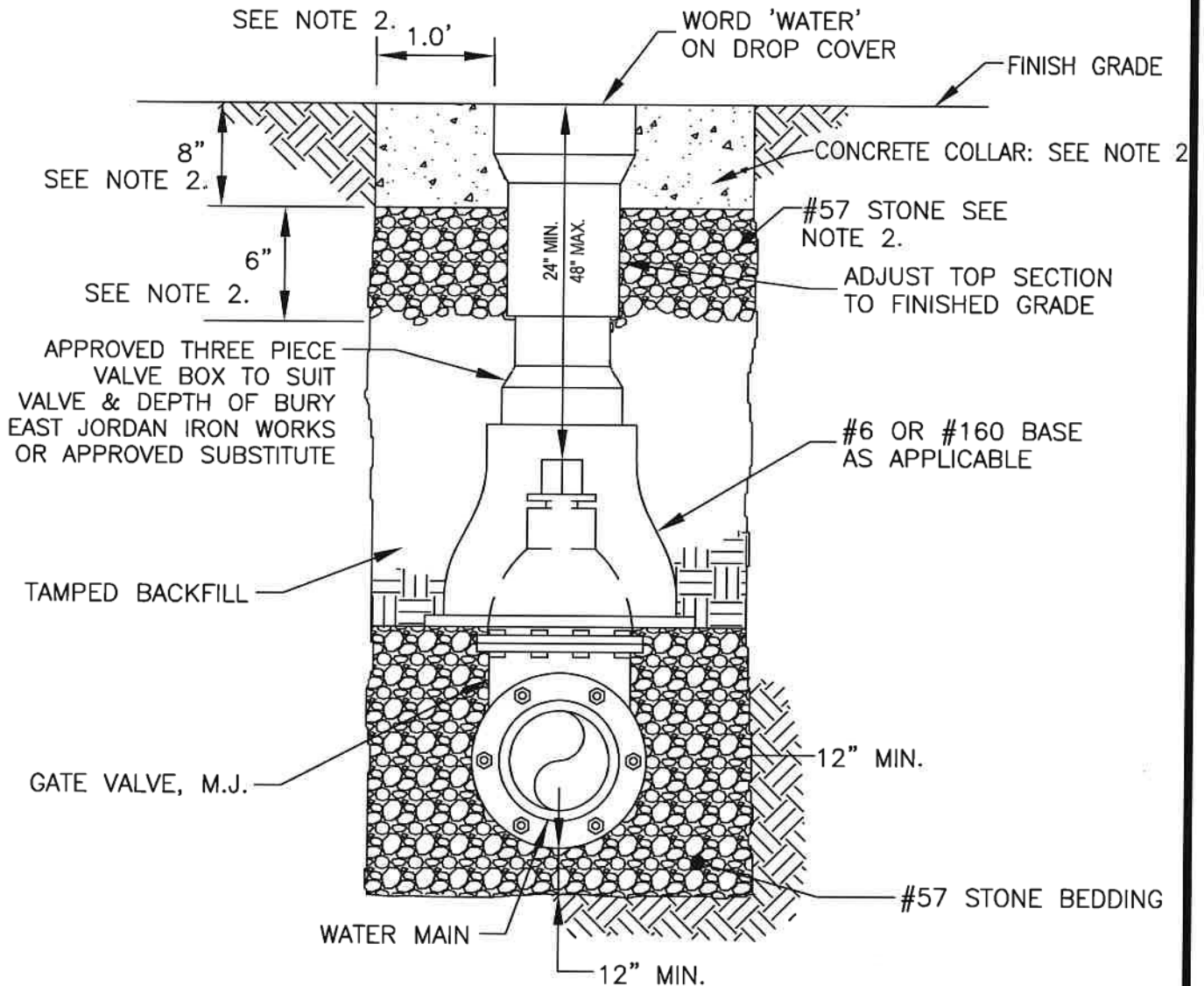
**NOTES:**

1. HYDRANT CHAINS ARE TO BE REMOVED @ TIME OF INSTALLATION.
2. MAINTAIN 3' CLEARANCE FROM CENTER OF HYDRANT FOR ALL ABOVE GROUND OBJECTS.
3. HYDRANTS SHALL NOT BE PLACED IN THE QUADRANT/RADIUS AREA OF A CURB RETURN FOR STREET INTERSECTIONS AND DRIVEWAY ENTRANCES.
4. HYDRANT LEAD SHALL BE DUCTILE IRON PIPE.
5. RESTRAIN ALL FITTINGS W/MEGALUG PER CITY SPECIFICATIONS.
6. TRACER WIRE SHALL HAVE A MECHANICAL BARREL SPLICE (ILSCO IK10) AT ALL SPLICES. PVC WATER MAINS REQUIRE #12 SOLID COPPER COATED TRACER WIRE TAPED TO THE TOP OF THE PIPE IN 10' INTERVALS, TERMINATING AT ALL VALVE BOXES. 24" MINIMUM OVERHANG AT TOP OF VALVE BOX.
7. MUST USE APPROVED BELL RESTRAINTS OR ALPHA COUPLINGS FOR ALL PIPE JOINTS OF THE HYDRANT LEAD.

<b>CITY OF SALISBURY SALISBURY, MD</b>	APPROVED	<b>STANDARD INSTALLATION FIRE HYDRANT</b>	DATE	08/29/86
			SCALE	NONE
	DATE		DWG. NO.	STD30055
	CITY ENGINEER		STD. NO.	300.55
	2/1/19			

NOTES:

1. EXTEND TRACER WIRE THROUGH VALVE BOX AND TERMINATE AT 24" ABOVE FINISH GRADE. LOOP EXCESS INTO VALVE BOX.
2. ALL VALVE BOXES INSTALLED IN UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1.0' BEYOND THE FRAME OF THE VALVE BOX LID. THE COLLAR SHALL BE 8" THICK AND BE SUPPORTED BY A 6" BASE OF #57 STONE AGGREGATE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. CONCRETE COLLARS SHALL BE INSTALLED AFTER THE TOP OF THE VALVE BOX LIDS ARE ADJUSTED TO FINISHED GRADE. SLOPE THE COLLAR AROUND VALVE BOX IN A WAY AS TO CREATE POSITIVE DRAINAGE AWAY FROM THE LID. THE CONCRETE COLLAR SHALL BE REMOVED ENTIRELY PRIOR TO PAVING.
3. SEE STD 300.15 FOR GUARD DETAIL.



CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

2/1/19

DATE

*Amanda Pollock*  
CITY ENGINEER

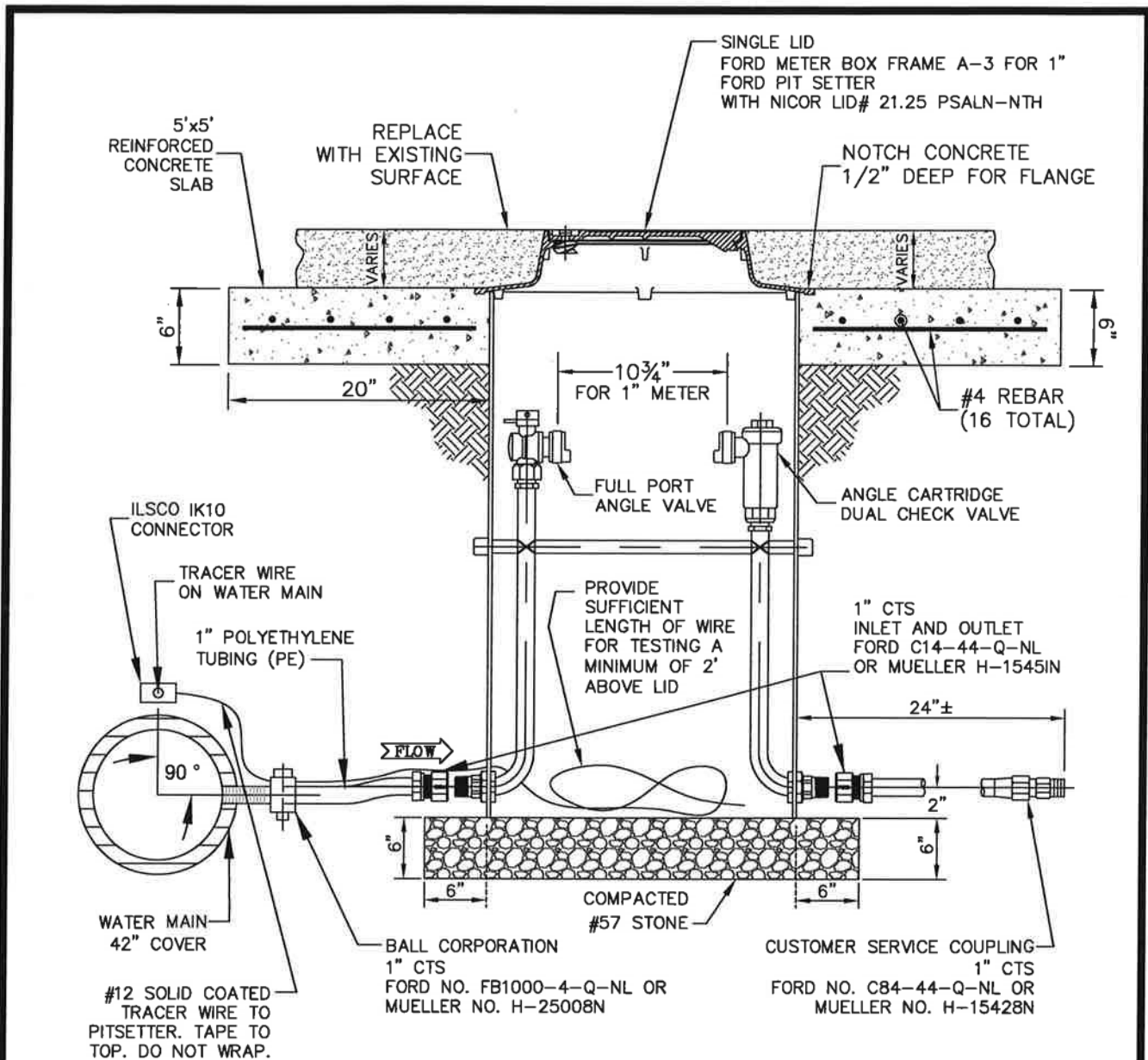
GATE VALVE INSTALLATION

DATE 11/02/09

SCALE NONE

DWG. NO. STD30056

STD. NO. 300.56



== NOTES ==

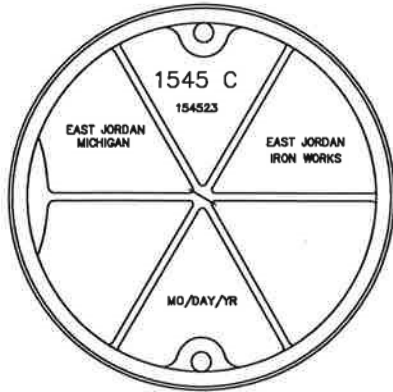
1. WATER METER—SHALL BE SIZED, FURNISHED & INSTALLED BY CITY FORCES.
2. VAULT AREA BASE SHALL BE 6" COMPACTED #57 STONE.
3. IF WATER MAIN IS PLASTIC, USE APPROVED SADDLE FOR TAP.
4. FOR PVC MAIN 12" OR LESS: FORD FS313 SERIES STAINLESS STEEL SADDLE
5. FOR 1" SERVICE SINGLE STUD 5" LENGTH: MUELLER SS SERIES STAINLESS STEEL SERVICE SADDLE
6. FORD PITSETTER—FORD (SHOWN) NO. PSBHC-488-20-36-Q-NL—NO BYPASS MUELLER 1" RIGID COPPER SINGLE METER PIT W/OPTION CODE 000590
7. PE TUBING SHALL BE CLASS 200, SDR-9, CTS-OD, 200 PSI, INSTALLED WITH #12 SOLID COATED COPPER TRACER WIRE FROM CORP. STOP TO SUPPLY SIDE ANGLE VALVE. ALL FITTINGS USED WITH PE TUBING SHALL HAVE S.S. INSERTS.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

TRAFFIC BEARING  
1" WATER SERVICE

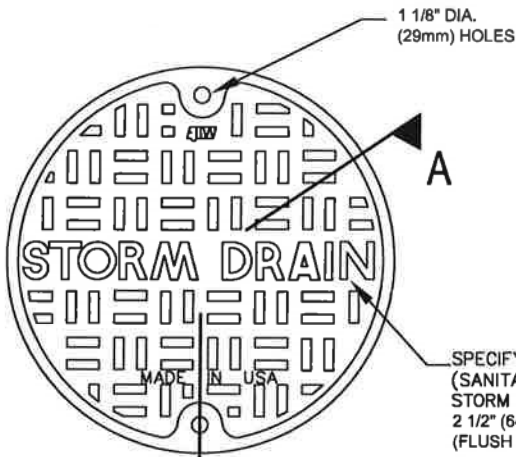
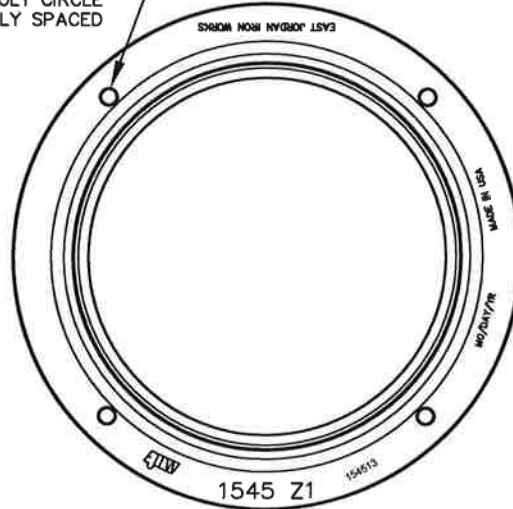
DATE 01/01/17  
SCALE NONE  
DWG. NO. STD30057  
STD. NO. 300.57



BOTTOM VIEW

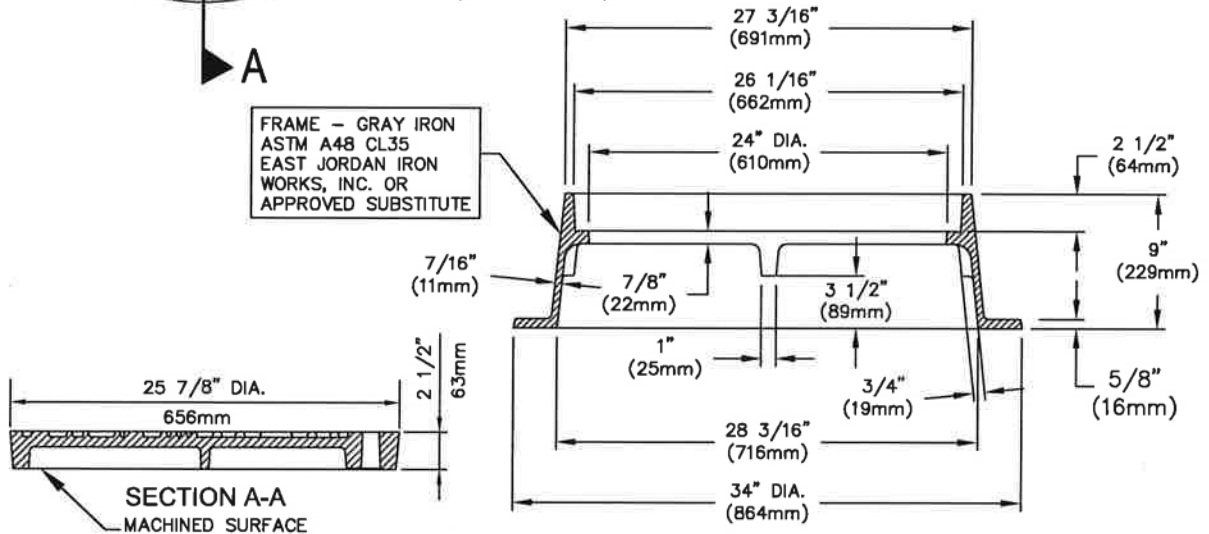
EAST JORDAN (SHOWN)  
 FRAME #154514  
 COVER #154524 (STORM WATER)  
 COVER #154523 (SANITARY SEWER)  
 NEENAH FOUNDRY  
 FRAME R-1565  
 COVER R-1565  
 OR APPROVED SUBSTITUTE

(4) 1" DIA (25mm)  
 HOLES ON 30 1/4"  
 DIA BOLT CIRCLE  
 EQUALLY SPACED



CAST IRON  
 MIN. AVG. WEIGHT  
 FRAME 180 LBS.  
 COVER 175 LBS.

FRAME - GRAY IRON  
 ASTM A48 CL35  
 EAST JORDAN IRON  
 WORKS, INC. OR  
 APPROVED SUBSTITUTE

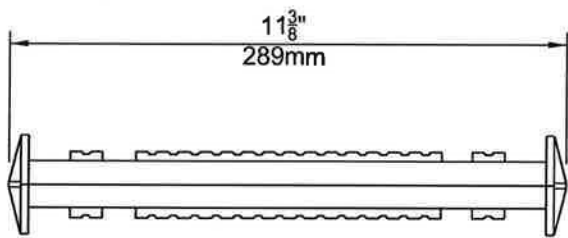
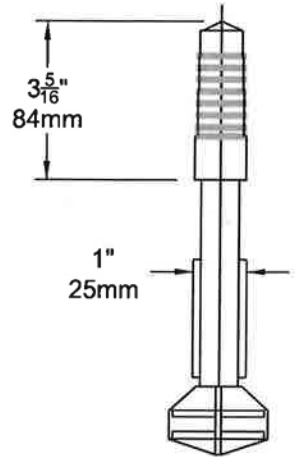
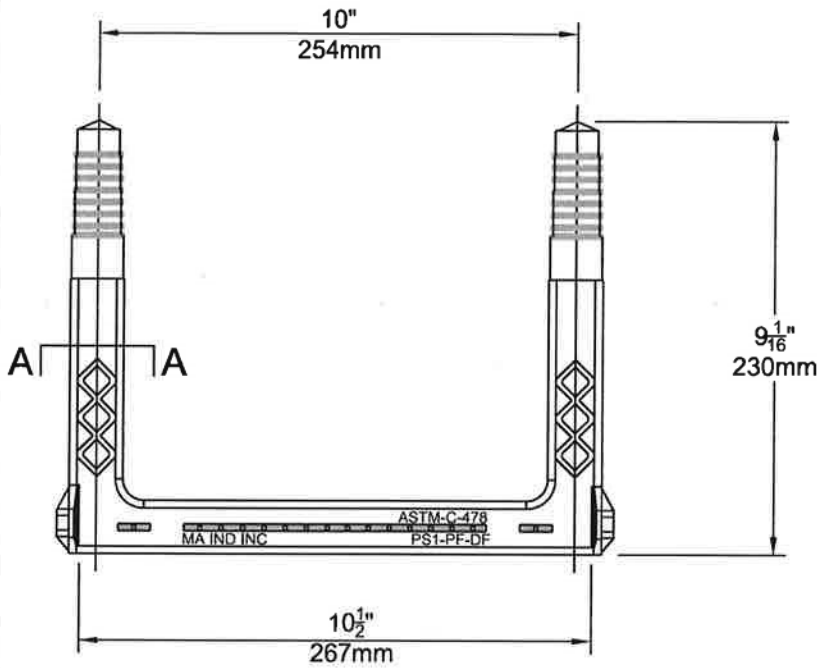


CITY OF  
 SALISBURY  
 SALISBURY, MD

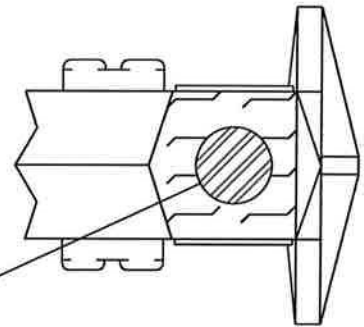
APPROVED  
 1/2/18  
 Amanda Pollock  
 CITY ENGINEER

MANHOLE FRAME & COVER  
 SANITARY SEWER OR  
 STORM WATER

DATE 1/04/01  
 SCALE NONE  
 DWG. NO. STD40010  
 STD. NO. 400.10

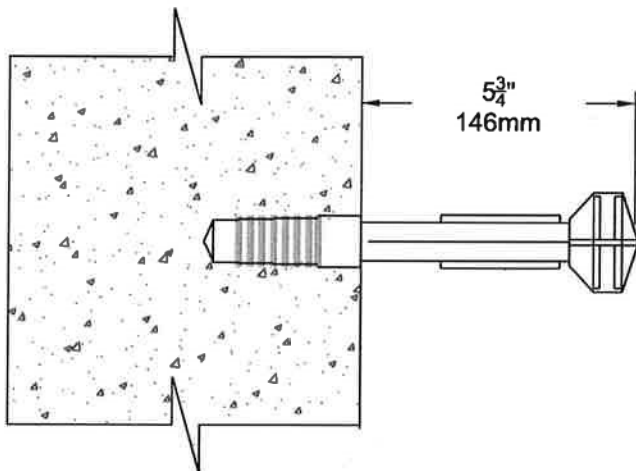


COPOLYMER POLYPROPYLENE PLASTIC  
13mm (1/2") GRADE 60 STEEL REINFORCEMENT



SECTION A-A

MEETS: ASTM C-478  
ASTM D-4101  
ASTM A-615  
AASHTO M-199



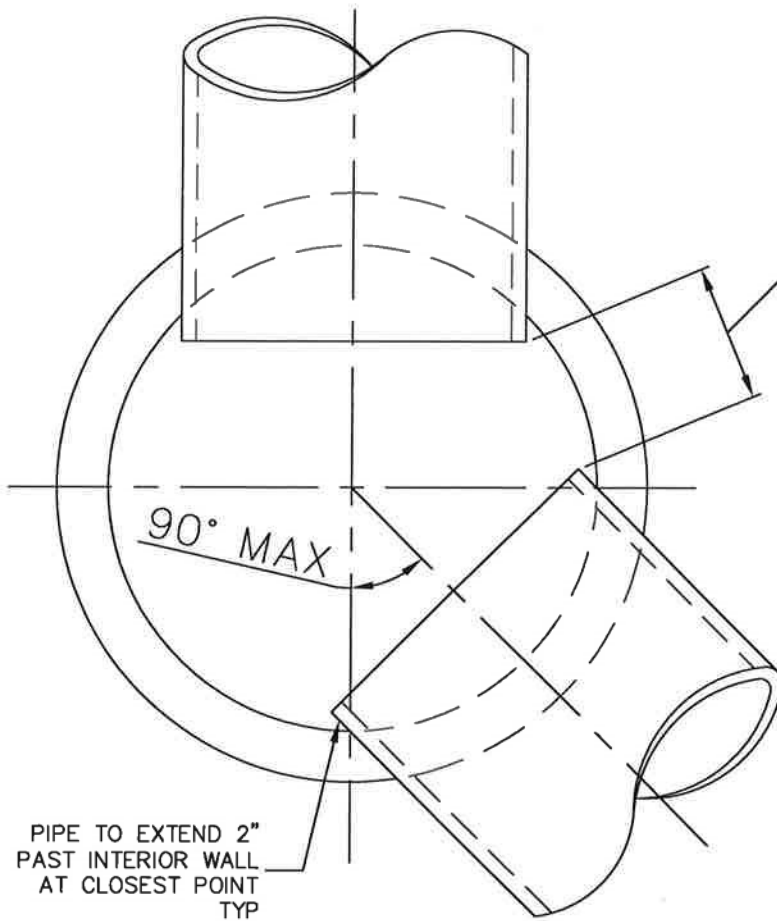
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
*Amarda Pollack* DATE  
CITY ENGINEER

MANHOLE STEPS  
SANITARY SEWER  
OR  
STORM WATER

DATE 03/01/12  
SCALE NONE  
DWG. NO. STD40011  
STD. NO. 400.11





MIN. DISTANCE BETWEEN PENETRATIONS = 1/2 OF PIPE O.D. (MIN.)

WHEN ADJACENT PIPES ARE DIFFERENT SIZES: USE 1/2 O.D. OF SMALLER PIPE

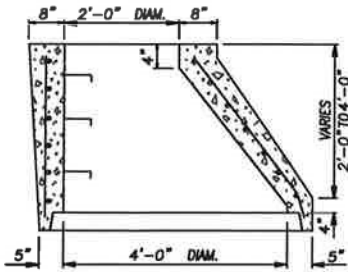
PLAN VIEW OF MANHOLE

CITY OF  
SALISBURY  
SALISBURY, MD

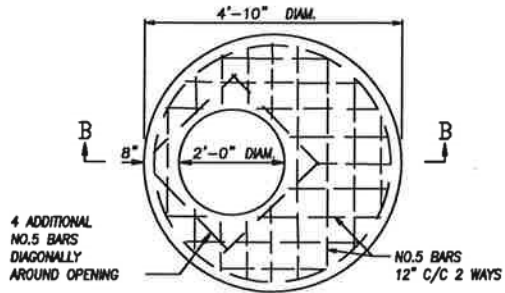
APPROVED  
*1/2/18*  
*Amanda Pollac* DATE  
CITY ENGINEER

MANHOLE  
CONFIGURATIONS

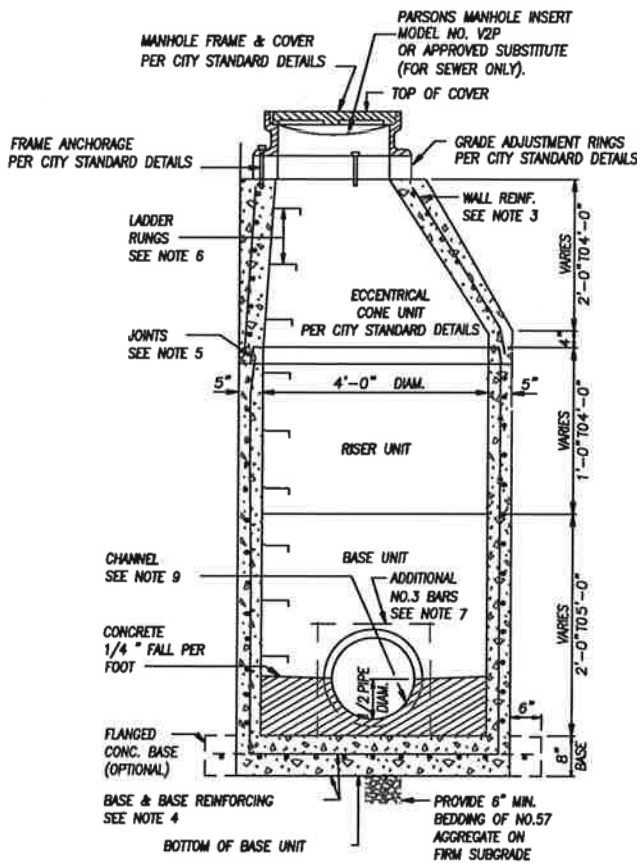
DATE	8/29/86
SCALE	NONE
DWG. NO.	STD40012
STD. NO.	400.12



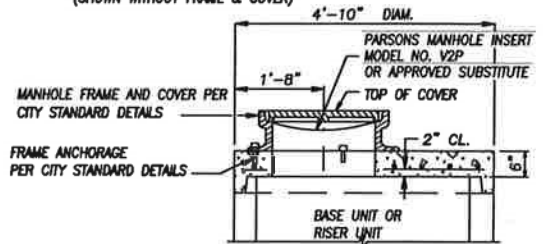
ALTERNATE ECCENTRIC  
CONE UNIT



FLAT SLAB TOP  
(SHOWN WITHOUT FRAME & COVER)



SECTION VIEW



SECTION B-B

NOTES

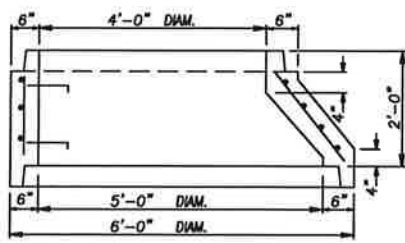
1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
2. CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
3. WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRIC CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A B2. REINFORCEMENT BARS SHALL MEET ASTM A 615, GRADE 60.
4. BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
5. THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
6. LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
7. WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
8. LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
9. MIX NO. 2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED
10. PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

CITY OF  
SALISBURY  
SALISBURY, MD

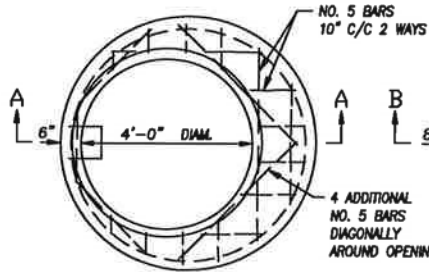
APPROVED  
1/2/18  
Amanda Pollock  
CITY ENGINEER  
DATE

48" DIAMETER  
MANHOLE  
FOR PIPES UP TO 24"

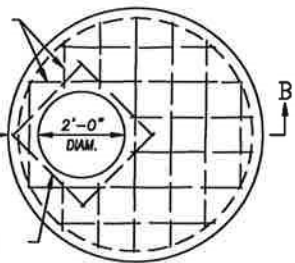
DATE 02/04/10  
SCALE N.T.S.  
DWG. NO. 400.13  
STD. NO. 400.13



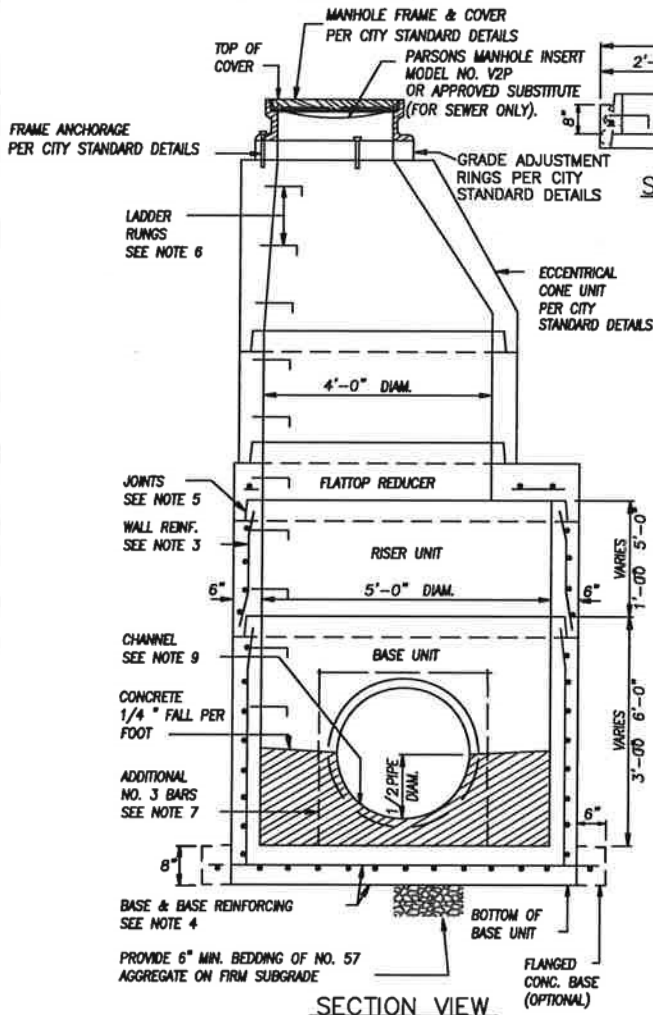
**ECCENTRIC CONE REDUCER**  
(ALTERNATE FOR FLATTOP REDUCER)



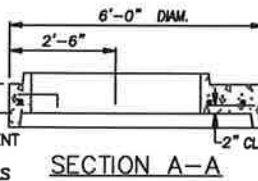
**FLATTOP REDUCER**



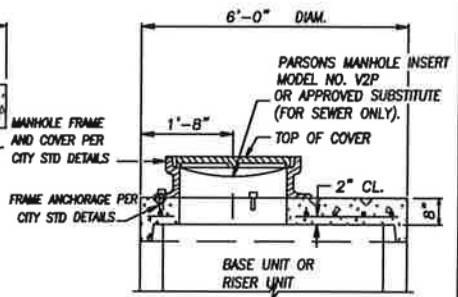
**FLAT SLAB TOP**  
(SHOWN WITHOUT FRAME & COVER)



**SECTION VIEW**



**SECTION A-A**



**SECTION B-B**

**NOTES**

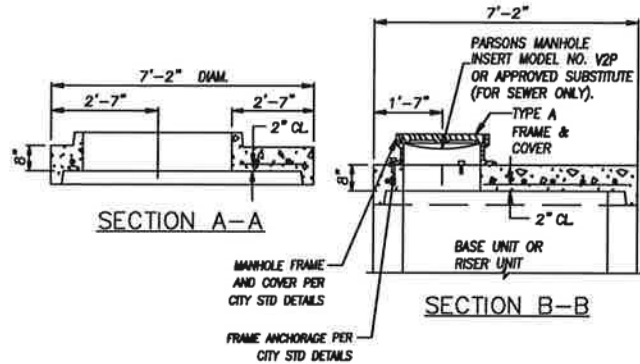
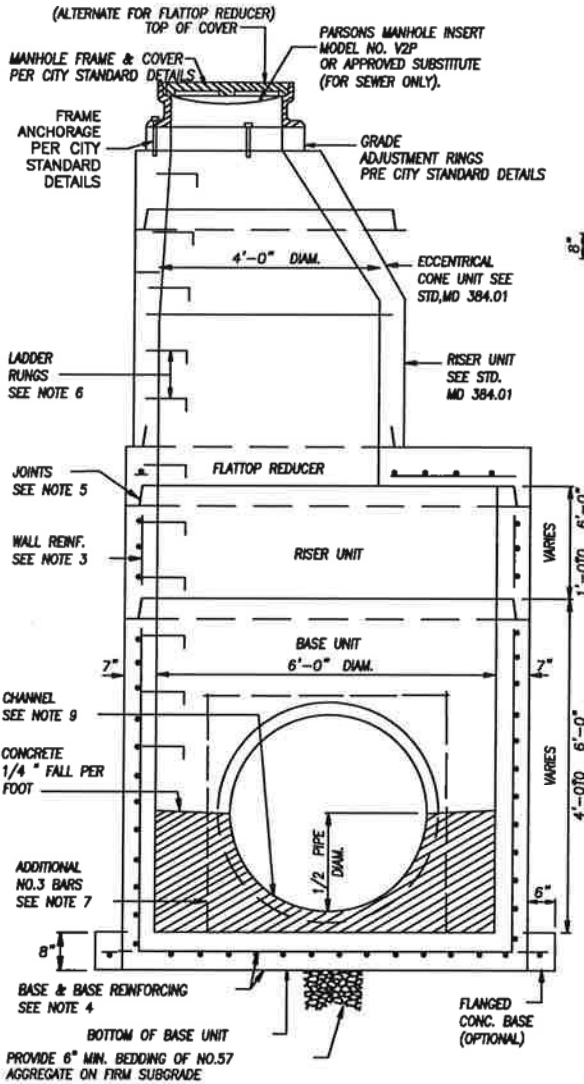
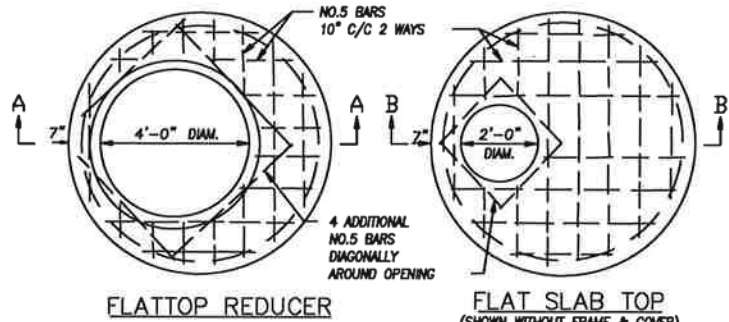
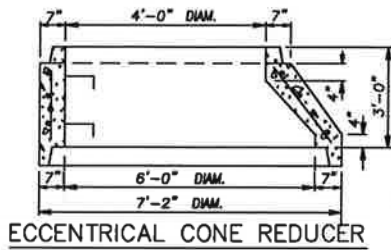
1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
2. CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
3. WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRIC CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A 82. REINFORCEMENT BARS SHALL MEET ASTM A 615. GRADE 60.
4. BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT. THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
5. THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
6. LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
7. WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
8. LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
9. MIX NO. 2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED.
10. PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollack*  
CITY ENGINEER

**60" DIAMETER  
MANHOLE  
FOR  
27" TO 36" PIPES**

DATE 02/04/10  
SCALE N.T.S.  
DWG. NO. STD40014  
STD. NO. 400.14



**NOTES**

- MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
- CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
- WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRIC CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A 82. REINFORCEMENT BARS SHALL MEET ASTM A 615, GRADE 60.
- BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
- THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
- LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
- WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
- LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
- MIX NO.2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED
- PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

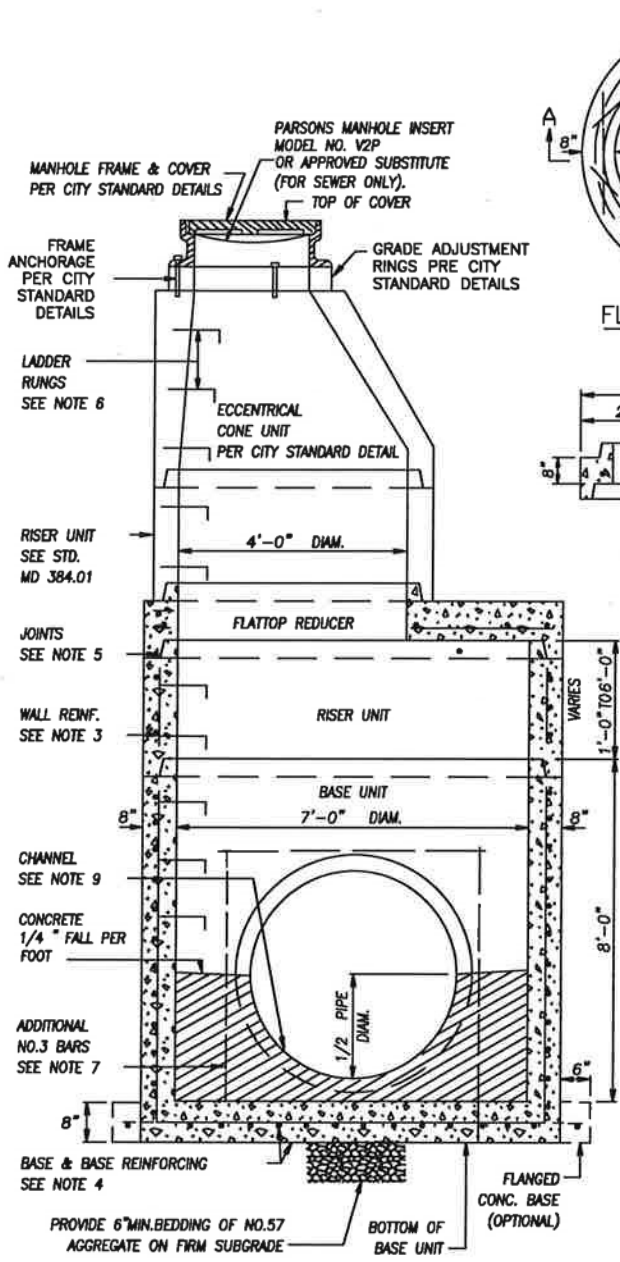
**SECTION VIEW**

CITY OF SALISBURY  
SALISBURY, MD

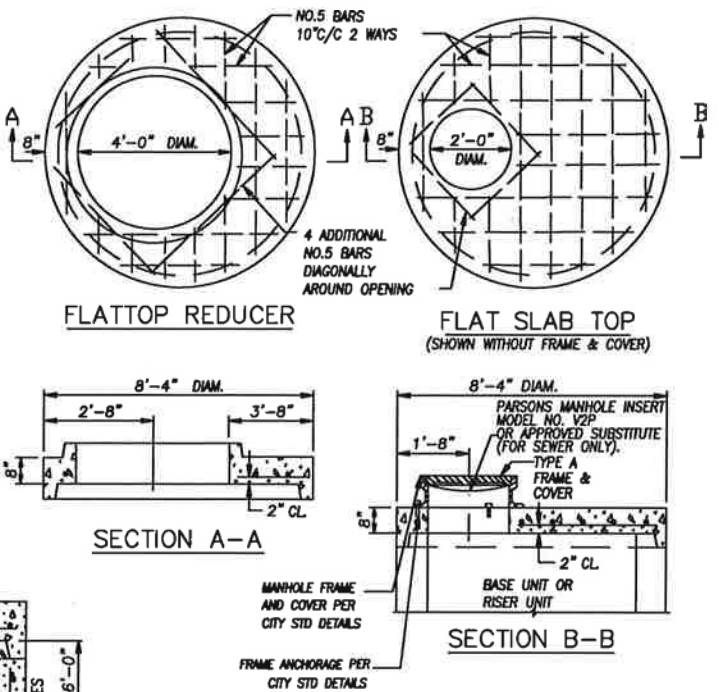
APPROVED  
1/2/18  
DATE  
*Amadeo Pollack*  
CITY ENGINEER

72" DIAMETER  
MANHOLE  
FOR  
42" TO 48" PIPES

DATE 02/04/10  
SCALE N.T.S.  
DWG. NO. STD40015  
STD. NO. 400.15



SECTION VIEW



NOTES

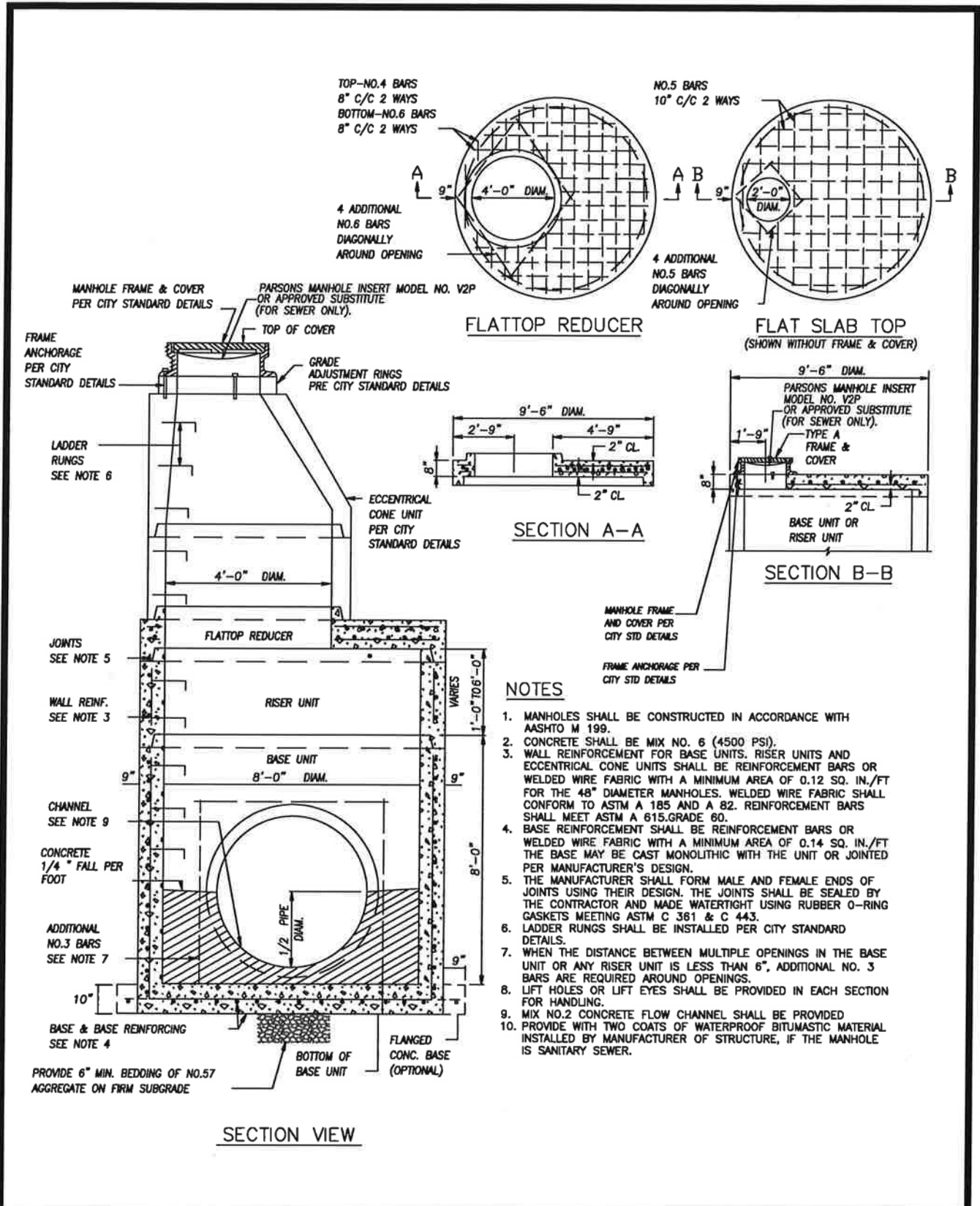
1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
2. CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
3. WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRIC CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A 82. REINFORCEMENT BARS SHALL MEET ASTM A 615, GRADE 60.
4. BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
5. THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
6. LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
7. WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
8. LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
9. MIX NO.2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED
10. PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Bellach*  
CITY ENGINEER

84" DIAMETER  
MANHOLE  
FOR  
54" TO 60" PIPES

DATE 02/04/10  
SCALE N.T.S.  
DWG. NO. STD40016  
STD. NO. 400.16



**NOTES**

1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
2. CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
3. WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRIC CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A 82. REINFORCEMENT BARS SHALL MEET ASTM A 615. GRADE 60.
4. BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
5. THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
6. LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
7. WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
8. LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
9. MIX NO.2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED
10. PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

CITY OF  
SALISBURY  
SALISBURY, MD

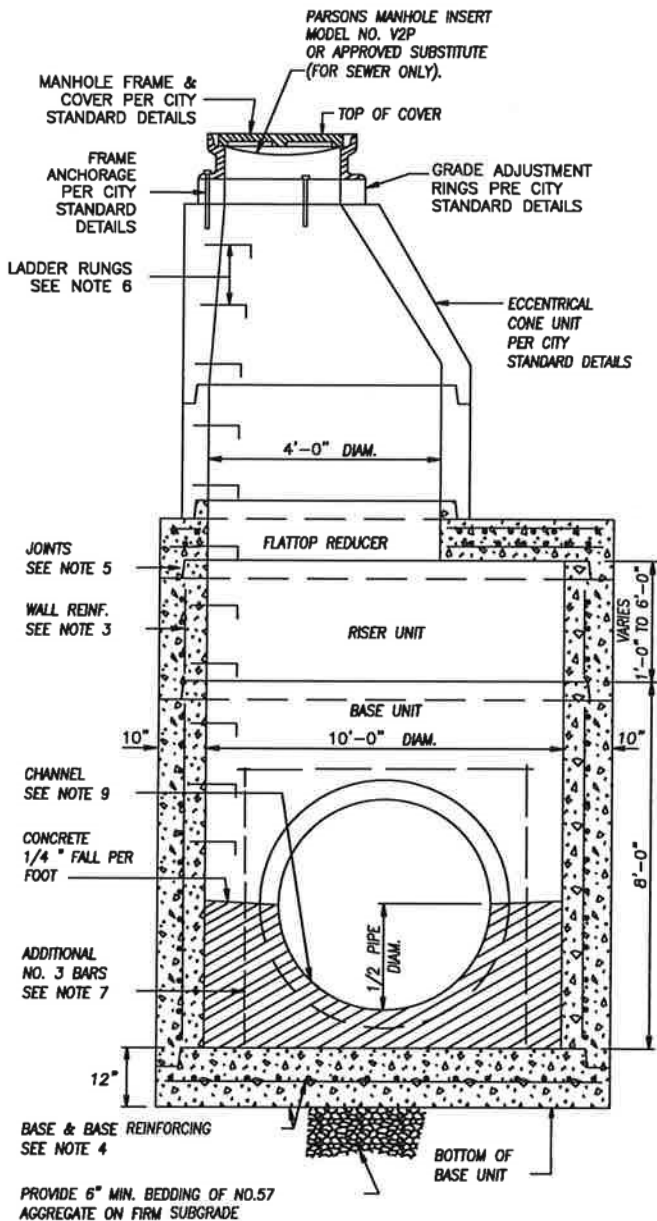
APPROVED  
1/2/18  
DATE  
*Amanda Black*  
CITY ENGINEER

90" DIAMETER  
MANHOLE  
FOR  
72" PIPES

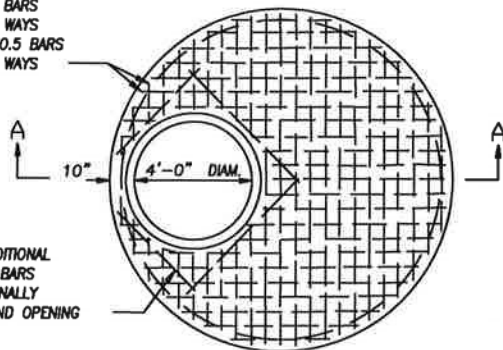
DATE	02/04/10
SCALE	N.T.S.
DWG. NO.	STD40017
STD. NO.	400.17

NOTE: SEE STD.MD 384.12  
FOR PRECAST FLAT SLAB TOP

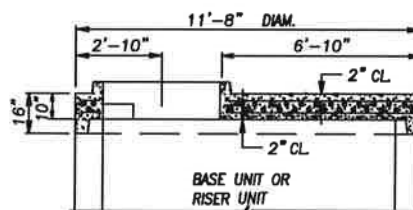
TOP-NO.4 BARS  
6" C/C 2 WAYS  
BOTTOM-NO.5 BARS  
6" C/C 2 WAYS



SECTION VIEW



FLATTOP REDUCER



SECTION A-A

NOTES

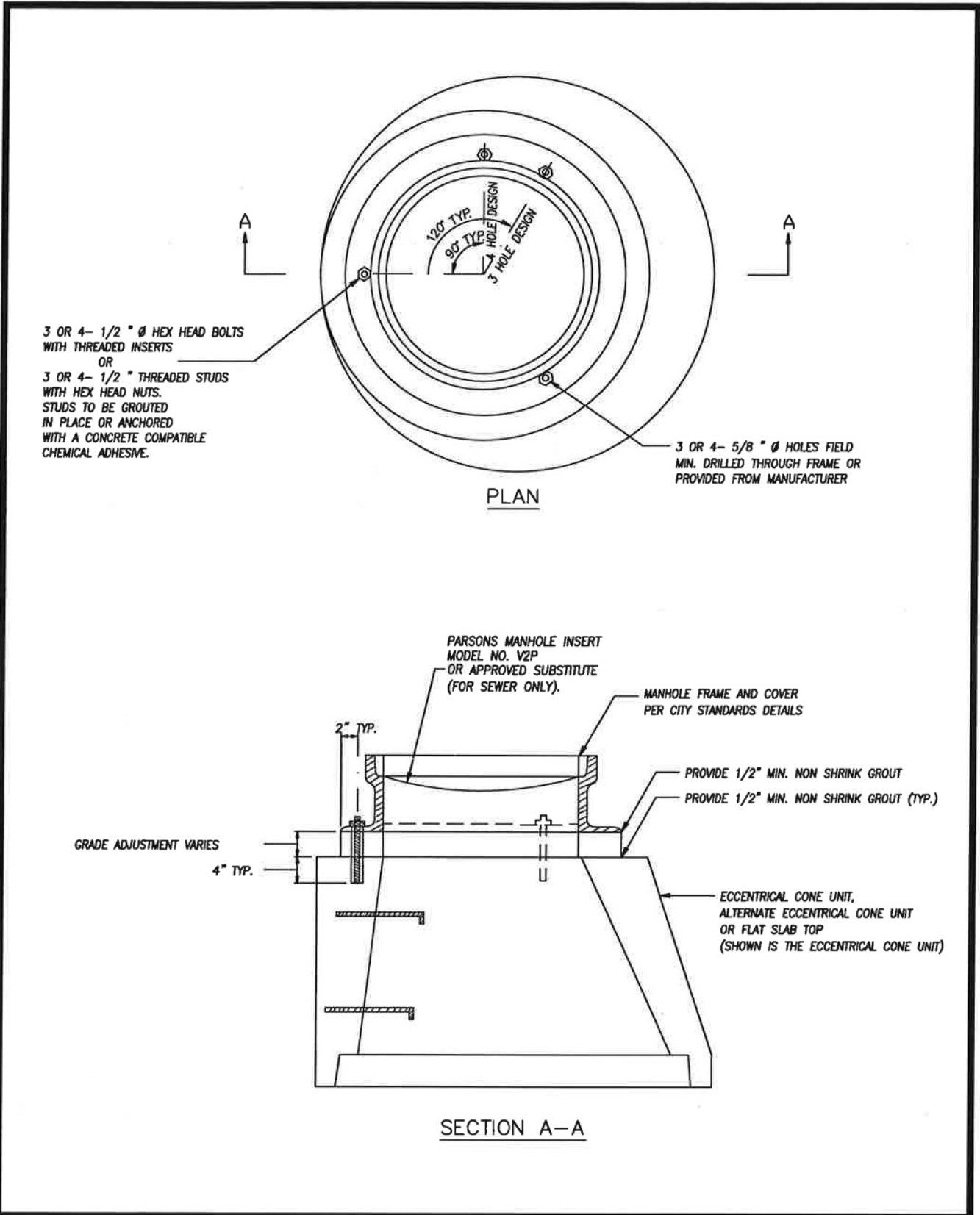
1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
2. CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
3. WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND ECCENTRICAL CONE UNITS SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.12 SQ. IN./FT FOR THE 48" DIAMETER MANHOLES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 AND A 82. REINFORCEMENT BARS SHALL MEET ASTM A 615.GRADE 60.
4. BASE REINFORCEMENT SHALL BE REINFORCEMENT BARS OR WELDED WIRE FABRIC WITH A MINIMUM AREA OF 0.14 SQ. IN./FT THE BASE MAY BE CAST MONOLITHIC WITH THE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.
5. THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING RUBBER O-RING GASKETS MEETING ASTM C 361 & C 443.
6. LADDER RUNGS SHALL BE INSTALLED PER CITY STANDARD DETAILS.
7. WHEN THE DISTANCE BETWEEN MULTIPLE OPENINGS IN THE BASE UNIT OR ANY RISER UNIT IS LESS THAN 6", ADDITIONAL NO. 3 BARS ARE REQUIRED AROUND OPENINGS.
8. LIFT HOLES OR LIFT EYES SHALL BE PROVIDED IN EACH SECTION FOR HANDLING.
9. MIX NO.2 CONCRETE FLOW CHANNEL SHALL BE PROVIDED
10. PROVIDE WITH TWO COATS OF WATERPROOF BITUMASTIC MATERIAL INSTALLED BY MANUFACTURER OF STRUCTURE, IF THE MANHOLE IS SANITARY SEWER.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
Amanda Pollack  
CITY ENGINEER

120" DIAMETER MANHOLE  
FOR  
78" TO 84" PIPES

DATE 02/04/10  
SCALE N.T.S.  
DWG. NO. STD40018  
STD. NO. 400.18



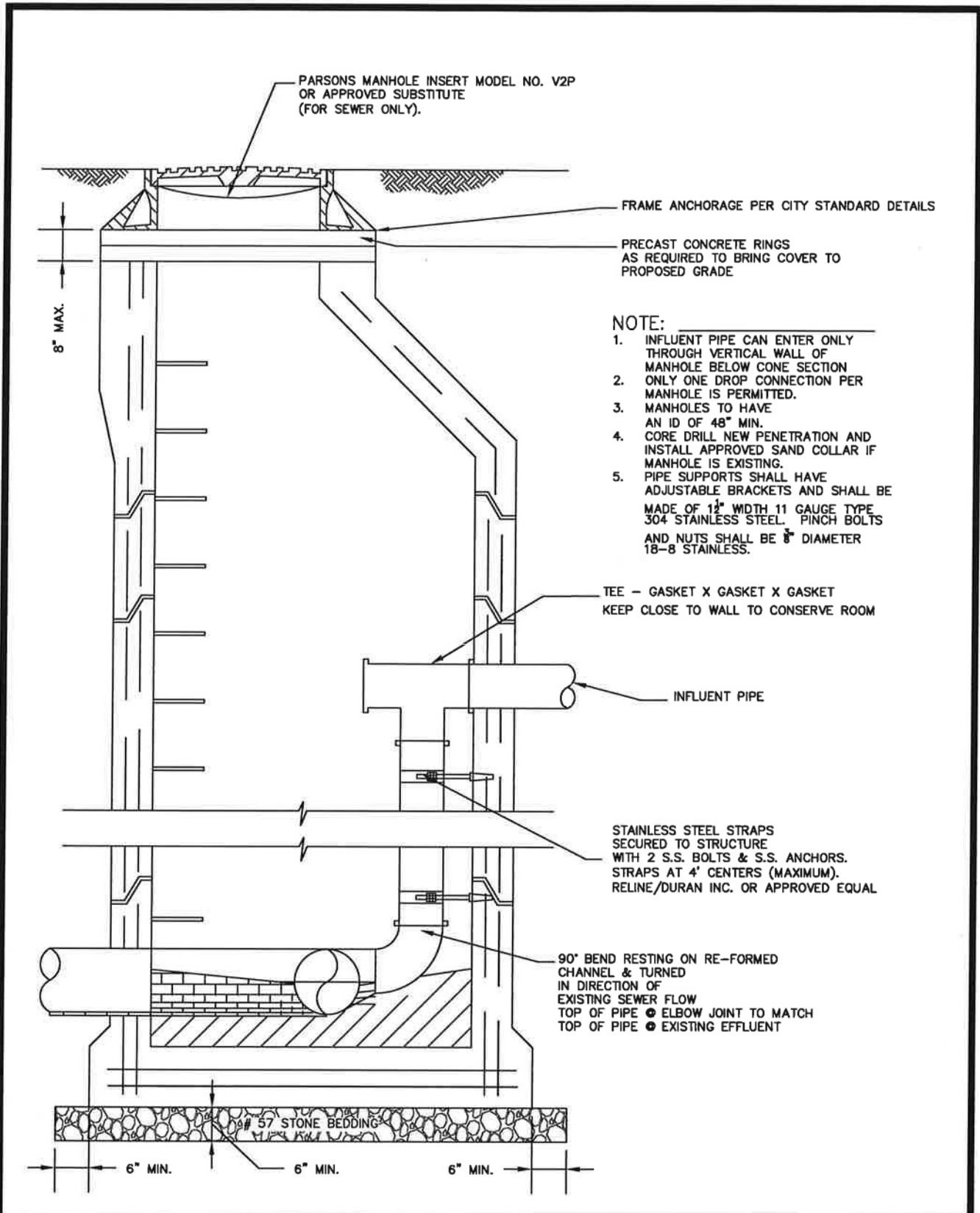
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

FRAME ANCHORAGE  
FOR  
PRECAST MANHOLES

DATE	02/04/10
SCALE	N.T.S.
DWG. NO.	STD40019
STD. NO.	400.19





CITY OF  
SALISBURY  
SALISBURY, MD

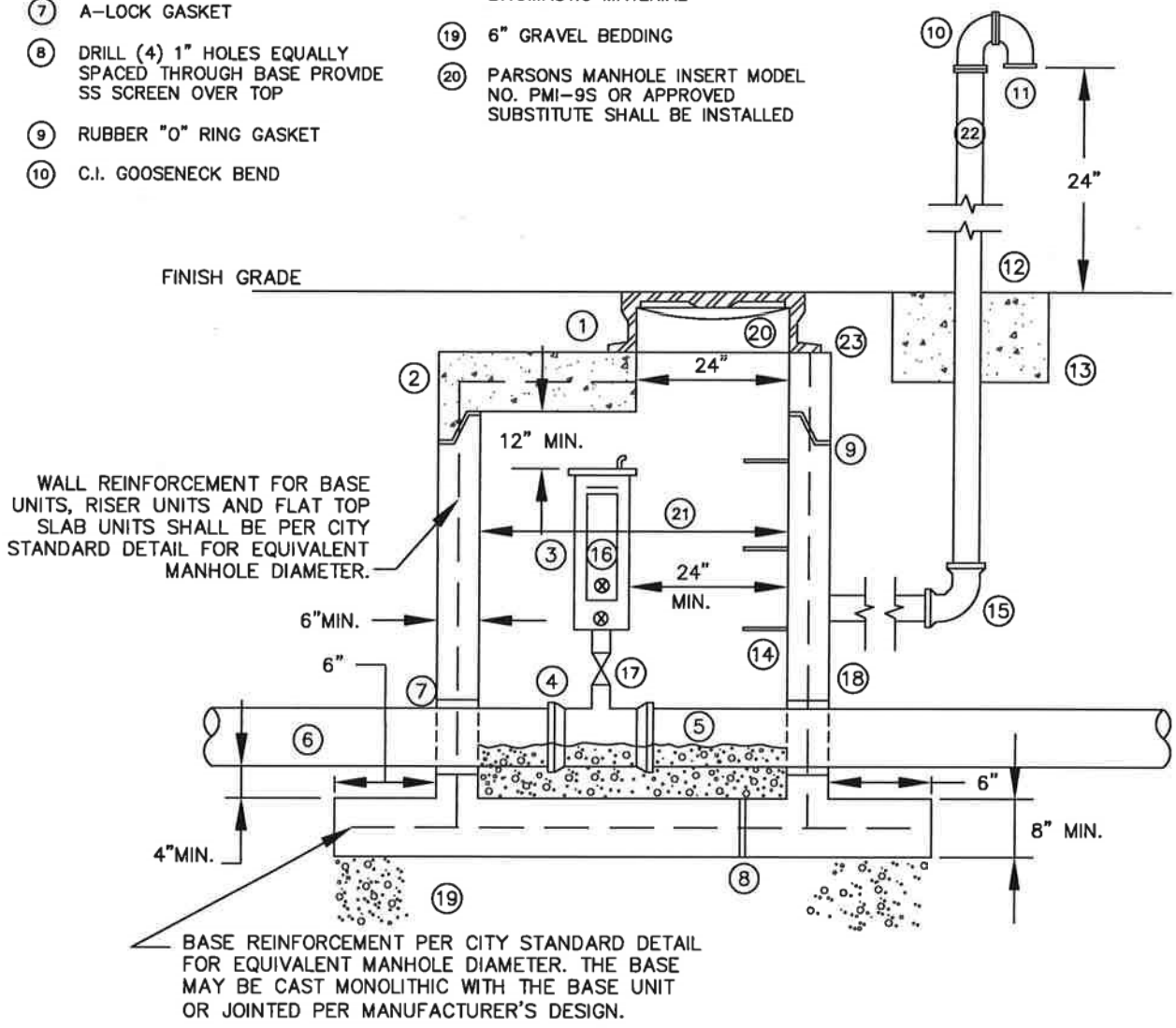
APPROVED  
*1/2/18*  
*Amanda Pollack*  
DATE  
CITY ENGINEER

INTERNAL DROP  
CONNECTION

DATE	8/11/86
SCALE	NONE
DWG. NO.	STD40023
STD. NO.	400.23

- ① FRAME, COVER, AND FRAME ANCHORAGE PER CITY STANDARD DETAILS
- ② REINFORCED CONCRETE SLAB. SEE CITY STANDARD DETAIL FOR EQUIVALENT MANHOLE DIAMETER.
- ③ SEWAGE COMBINATION AIR RELEASE 8 VACUUM VALVE
- ④ TAPPED TEE AS REQUIRED
- ⑤ WASHED GRAVEL FILL TO SPRING LINE
- ⑥ FORCE MAIN
- ⑦ A-LOCK GASKET
- ⑧ DRILL (4) 1" HOLES EQUALLY SPACED THROUGH BASE PROVIDE SS SCREEN OVER TOP
- ⑨ RUBBER "O" RING GASKET
- ⑩ C.I. GOOSENECK BEND
- ⑪ 1/4" MESH ALUM. SCREEN COVER
- ⑫ D.I. VENT SHOWN OUT OF POSITION FOR CLARITY
- ⑬ 4000 P.S.I. CONCRETE 24"x 24" x 12"
- ⑭ STEPS PER CITY STANDARD DETAILS
- ⑮ C.I. MECH. VERT. 90° BEND
- ⑯ BLOW-OFF VALVE
- ⑰ SHUTOFF VALVE
- ⑱ 2 COATS WATERPROOF BITUMASTIC MATERIAL
- ⑲ 6" GRAVEL BEDDING
- ⑳ PARSONS MANHOLE INSERT MODEL NO. PMI-9S OR APPROVED SUBSTITUTE SHALL BE INSTALLED
- ㉑ MIN. 6' DIA PRECAST STRUCTURE
- ㉒ MIN. 4" DIA. PIPE
- ㉓ FRAME ANCHORAGE PER CITY STANDARD DETAILS

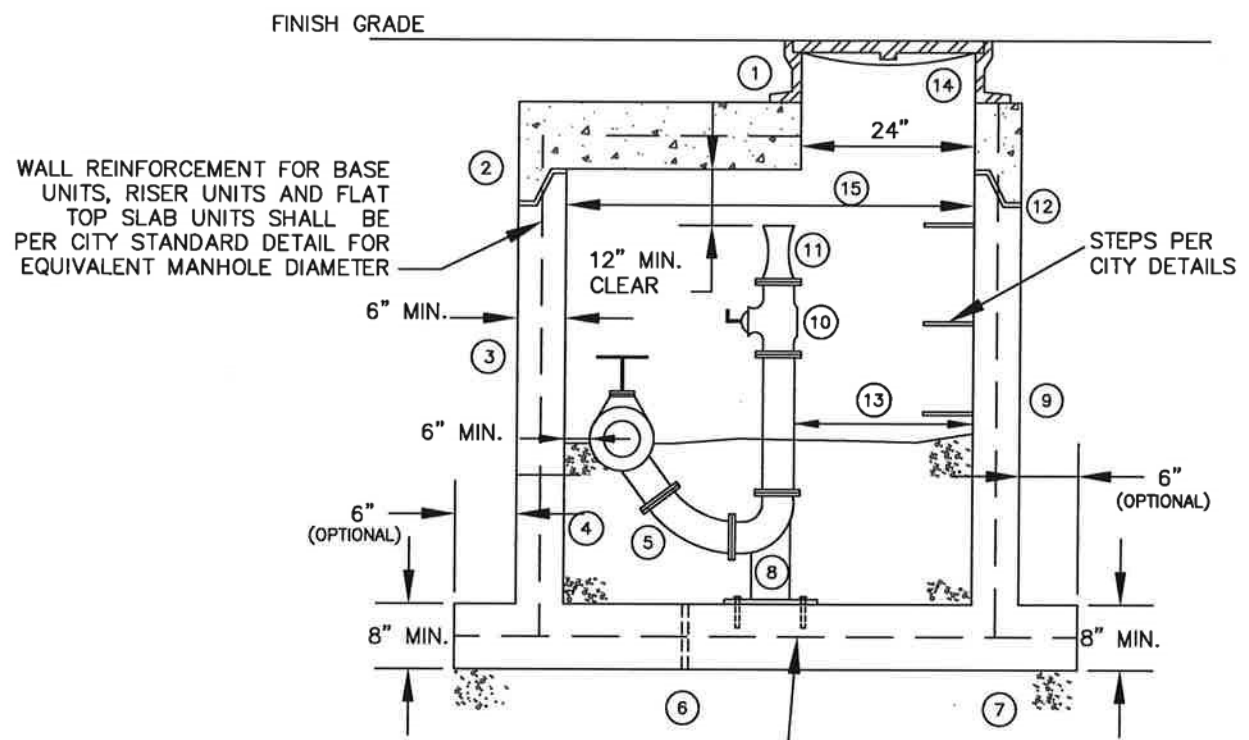
NOTES:  
 MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.  
 CONCRETE SHALL BE MIX NO. 6 (4500 PSI).



<b>CITY OF SALISBURY</b> SALISBURY, MD	APPROVED	<b>FORCE MAIN AIR VALVE ACCESS MANHOLE</b>	DATE 04/05/89
	1/2/18		SCALE SCALE
	Amanda Pollack CITY ENGINEER		DWG. NO. STD40026
			STD. NO. 400.26

- ① FRAME, COVER, AND FRAME ANCHORAGE PER CITY STANDARD DETAILS
- ② REINFORCED CONCRETE SLAB. SEE CITY STANDARD DETAIL FOR EQUIVALENT MANHOLE DIAMETER.
- ③ 2 COATS WATERPROOF BITUMASTIC MATERIAL
- ④ WASHED GRAVEL FILL TO SPRING LINE OF FORCE MAIN
- ⑤ 45° BEND
- ⑥ DRILL (4) 1" HOLES EQUALLY SPACED THROUGH BASE. PROVIDE SS SCREEN OVER TOP
- ⑦ 6" GRAVEL BEDDING
- ⑧ 90° BEND W/DRILLED BASE ANCHORED TO MANHOLE BASE W/ 3/4"φ SS BOLTS
- ⑨ CONCRETE SHALL BE MIX NO. 6 (4500 PSI).
- ⑩ PLUG VALVE WITH LEVER OPERATOR
- ⑪ QUICK DISCONNECT FITTING AND CAP
- ⑫ RUBBER "O" RING GASKET
- ⑬ POSITION PLUG VALVE AND RISER ASSEMBLY TO PROVIDE MIN. 24" CLEARANCE FROM MANHOLE OPENING TO INVERT OF STRUCTURE.
- ⑭ PARSONS MANHOLE INSERT MODEL NO. PMI-9S OR APPROVED SUBSTITUTE SHALL BE INSTALLED
- ⑮ MIN. 6' DIA PRECAST STRUCTURE

**NOTES:**  
 MANHOLE STEPS PER CITY STANDARD DETAILS.  
 MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.



WALL REINFORCEMENT FOR BASE UNITS, RISER UNITS AND FLAT TOP SLAB UNITS SHALL BE PER CITY STANDARD DETAIL FOR EQUIVALENT MANHOLE DIAMETER

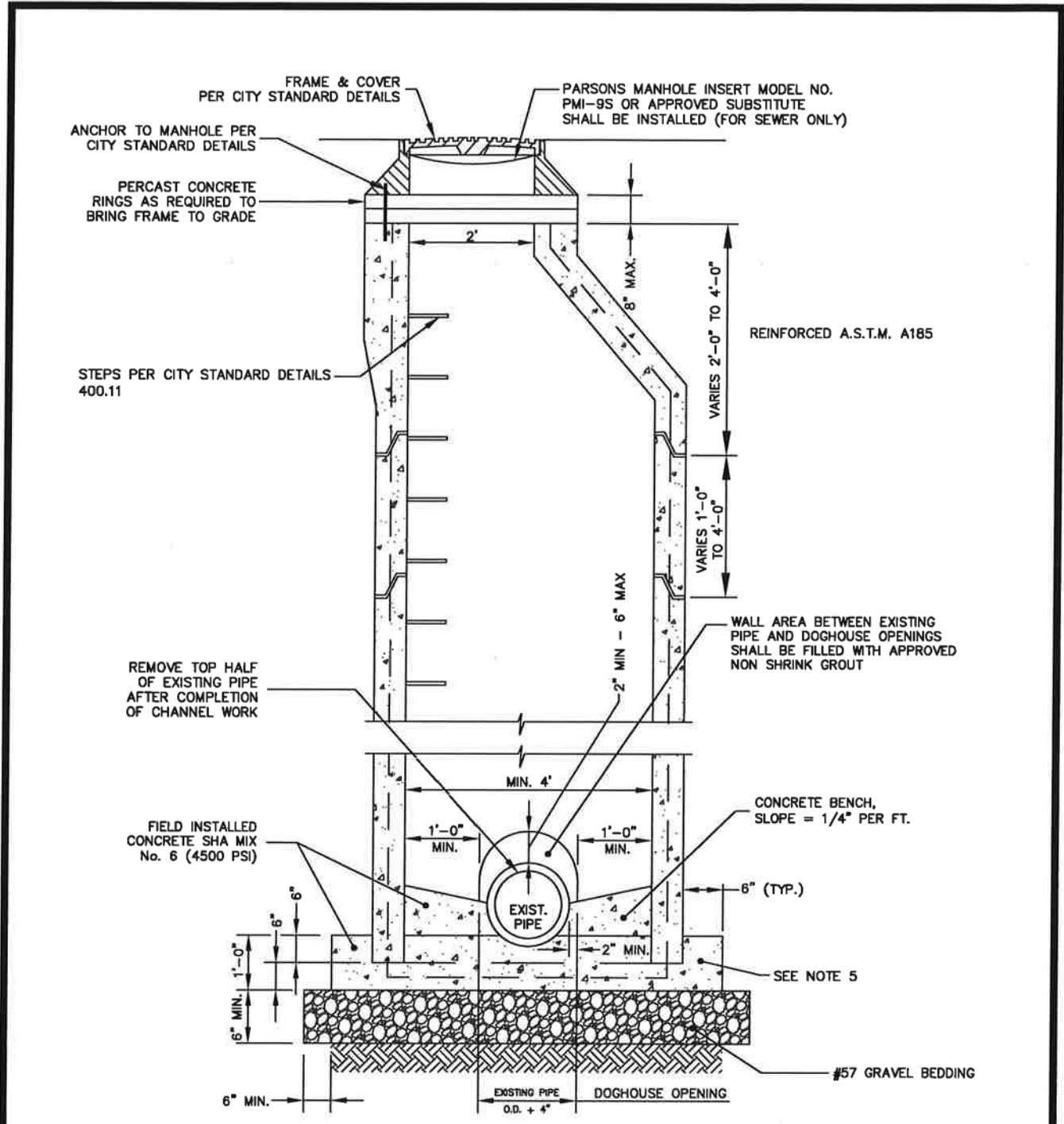
BASE REINFORCEMENT PER CITY STANDARD DETAIL FOR EQUIVALENT MANHOLE DIAMETER. THE BASE MAY BE CAST MONOLITHIC WITH THE BASE UNIT OR JOINTED PER MANUFACTURER'S DESIGN.

CITY OF SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 Amanda Pollack  
 CITY ENGINEER

**FORCE MAIN ACCESS MANHOLE**

DATE	03/31/99
SCALE	NONE
DWG. NO.	STD40027
STD. NO.	400.27



**NOTE:**  
 MANHOLE SIZE MAY VARY ACCORDING TO THE SIZE (O.D.) OF PIPE COMING INTO OR LEAVING THE MANHOLE. SEE APPROPRIATE STANDARD DETAIL.

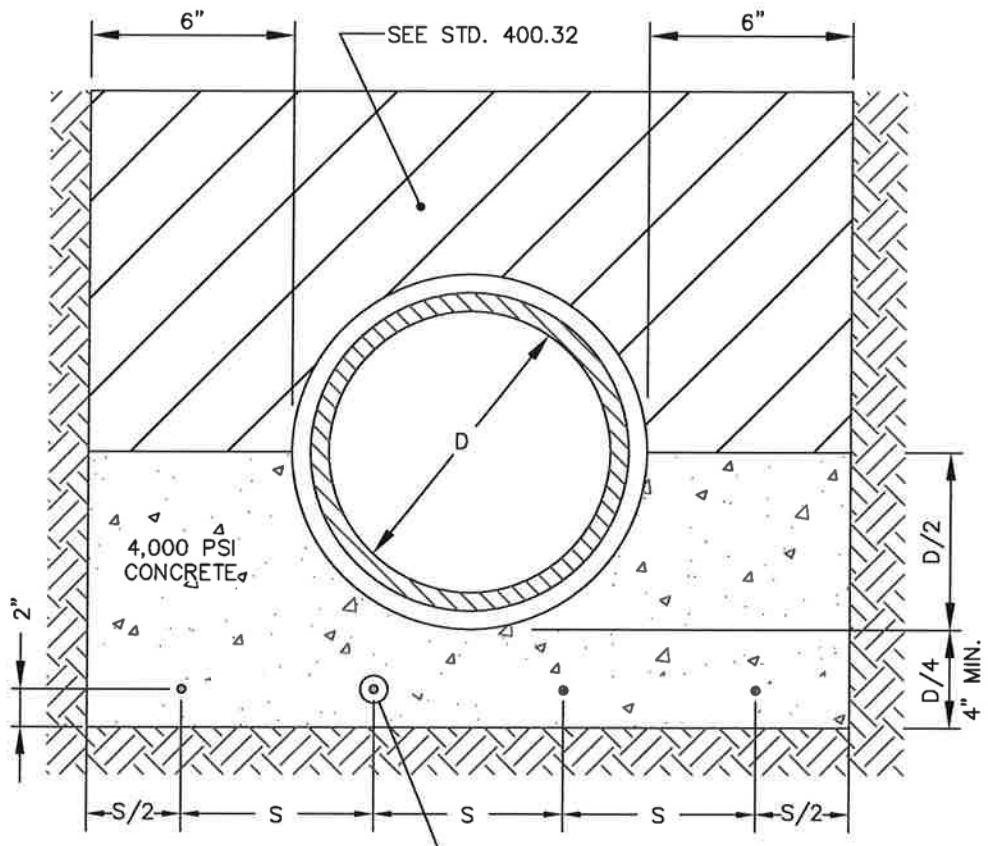
- NOTES:**
1. IF EXISTING PIPE IS TERRA COTTA: PRIOR TO INSTALLING MANHOLE, REMOVE PIPE FROM 10' EACH WAY OF  $\phi$  MANHOLE (20' TOTAL LENGTH) AND REPLACE WITH SDR-35 OF SAME ID AND JOIN WITH FERNCO COUPLINGS. SDR-35 PIPE SHALL BE INSTALLED WITH 12" THICK # 57 STONE BEDDING EXTENDING TO SPRINGLINE OF PIPE.
  2. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199.
  3. PIPE JOINTS ARE NOT PERMITTED WITHIN THE INTERIOR OF ANY DOGHOUSE MANHOLE.
  4. PIPE JOINTS ARE NOT PERMITTED WITHIN 2' OF ANY EXTERIOR WALL OF ANY DOGHOUSE MANHOLE
  5. BASE REINFORCEMENT SHALL BE #4 BARS 6" OC/EW, 2" CLEAR FROM ALL EDGES.

CITY OF  
 SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 Amanda Pellach  
 CITY ENGINEER

STANDARD DOGHOUSE  
 MANHOLE  
 SEWER & STORM WATER

DATE	6/11/86
SCALE	NONE
DWG. NO.	STD40028
STD. NO.	400.28



FOUR NO. 6 REBARS SPACED AS SHOWN  
REQUIRED ONLY WHEN SPECIFIED.

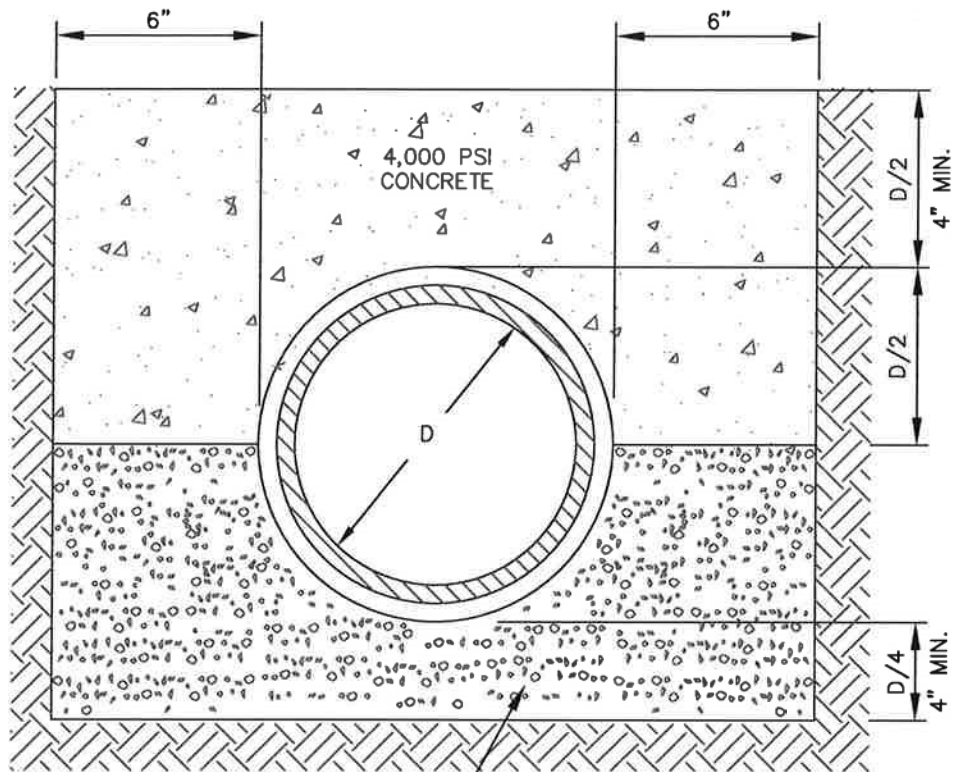
$$S = \frac{D + 12''}{4}$$

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amanda Pollock*  
DATE  
CITY ENGINEER

CONCRETE CRADLE  
SANITARY SEWER OR  
STORMWATER DRAINS

DATE 08/29/86  
SCALE NONE  
DWG. NO. STD40030  
STD. NO. 400.30



APPROVED  
GRAVEL  
BEDDING

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

1/2/18

DATE

*Amanda Pollock*  
CITY ENGINEER

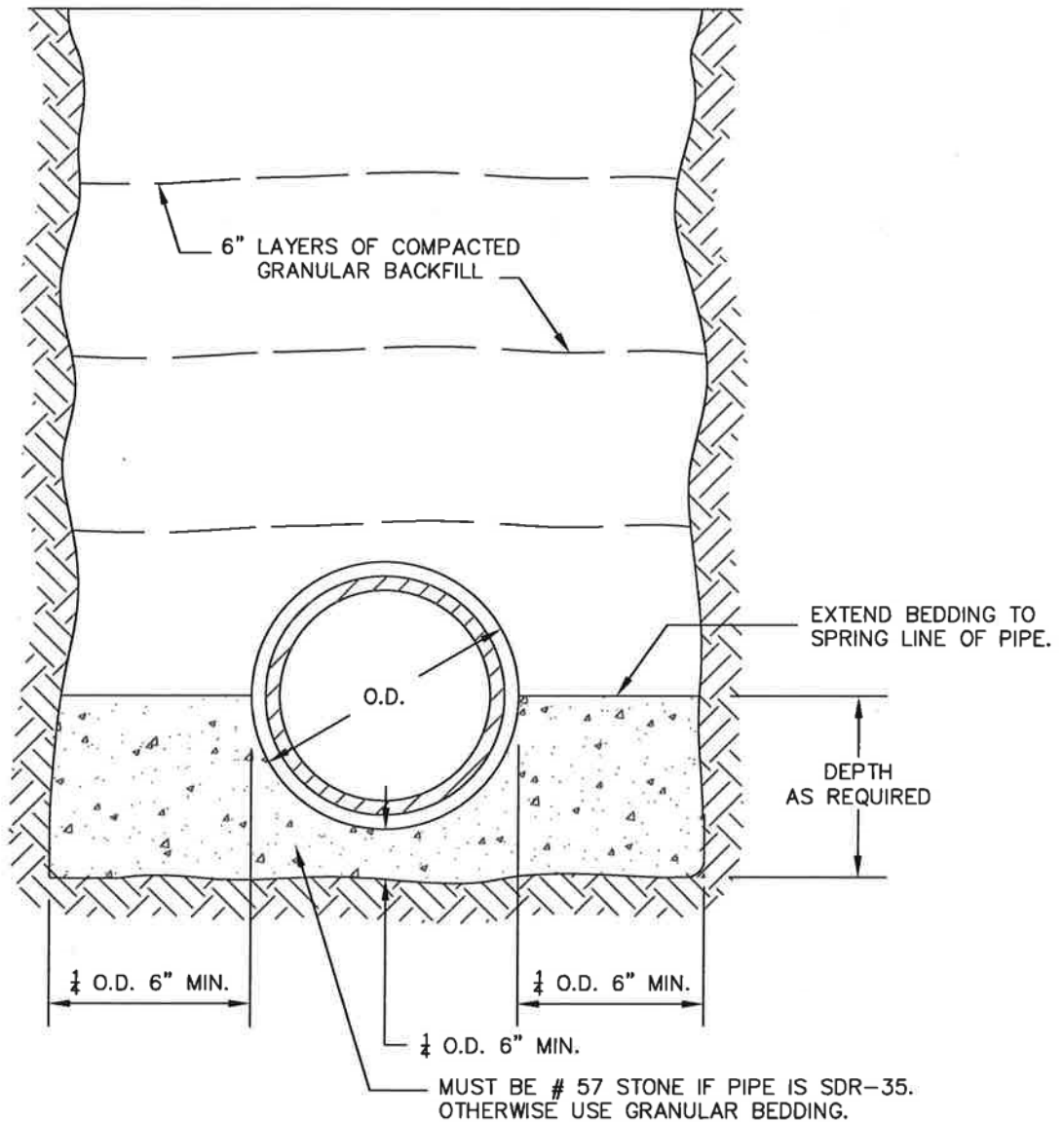
CONCRETE ARCH  
SANITARY SEWERS OR  
STORMWATER DRAINS

DATE 08/29/86

SCALE NONE

DWG. NO. STD40031

STD. NO. 400.31



NOTES:

1. TRENCH WIDTH WILL GOVERN PAYMENT FOR REPAVING, BACKFILL, ETC.. UNLESS OTHERWISE SPECIFIED.
2. THE CITY RESERVES THE RIGHT TO INCREASE, DECREASE OR ENTIRELY EXCLUDE THE GRANULAR BEDDING AS DIRECTED BY THE ENGINEER. WHEN GRANULAR BEDDING IS NOT USED, BACKFILL SHALL BE TAMPED AROUND PIPE HAUNCHES TO PROVIDE SOLID AND STABLE BEDDING.
3. 97% OF MAX. SOIL DENSITY REQUIRED ON TOP 1' OF STREET SUBGRADE  
95% OF MAX. SOIL DENSITY REQUIRED BELOW TOP 1' OF STREET SUBGRADE
4. THIS DETAIL APPLIES TO ALL PUBLIC SEWER, WATER, AND STORM WATER MAINS AND LATERALS.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

1/2/18

*Amanda Belack* DATE  
CITY ENGINEER

TYPICAL DETAIL  
PIPE TRENCH & BEDDING

DATE 8/29/86

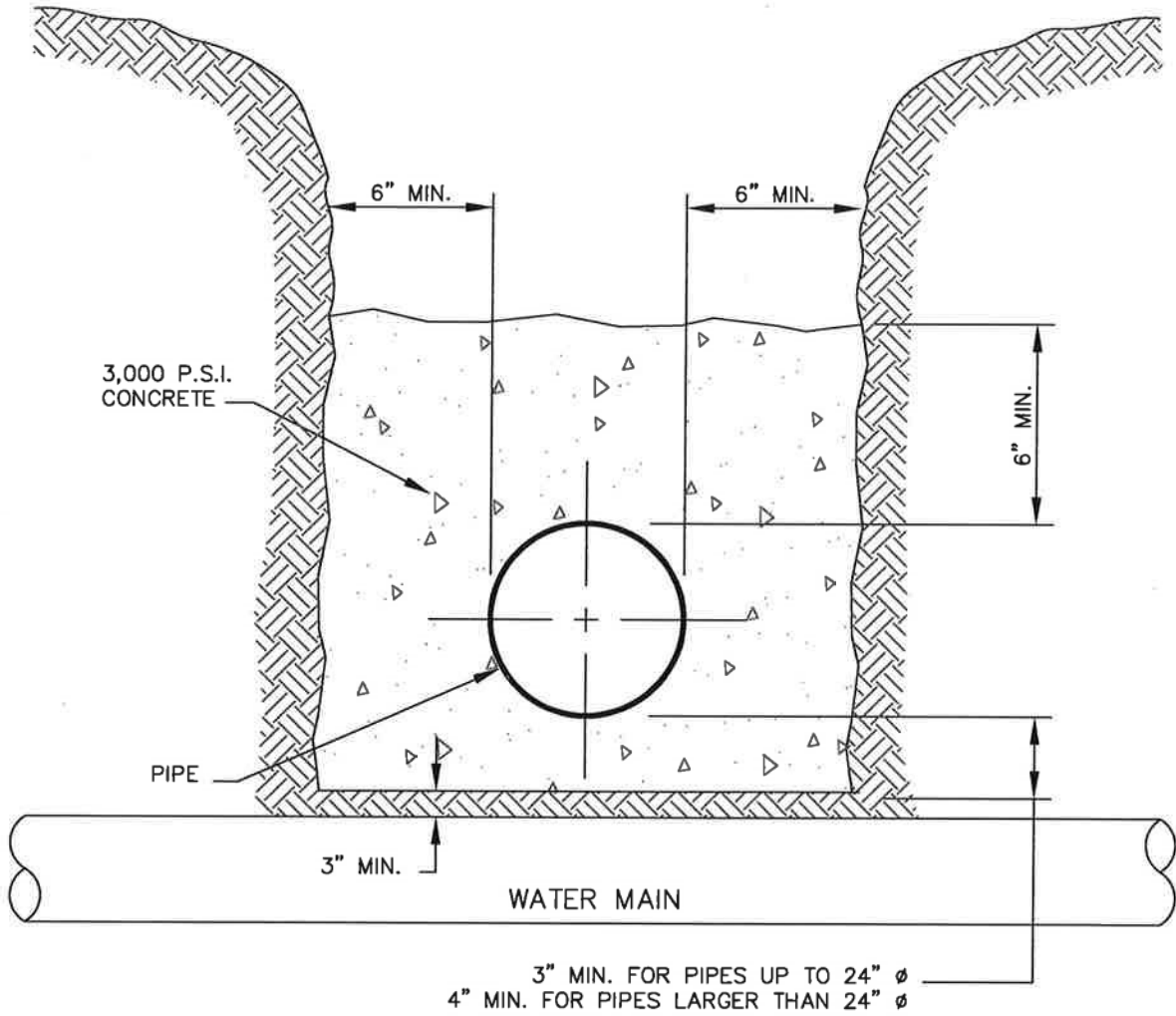
SCALE NONE

DWG. NO. STD40032

STD. NO. 400.32

NOTES:

1. ENCASEMENT REQUIRED IF SEWER IS ABOVE WATER MAIN.
2. IF GREATER THAN 12" OF CLEARANCE BELOW WATER MAIN, NO ENCASEMENT NECESSARY. SEE DG5 I 1A.
3. EXTEND ENCASEMENT 10' EITHER SIDE OF WATER MAIN CROSSING.



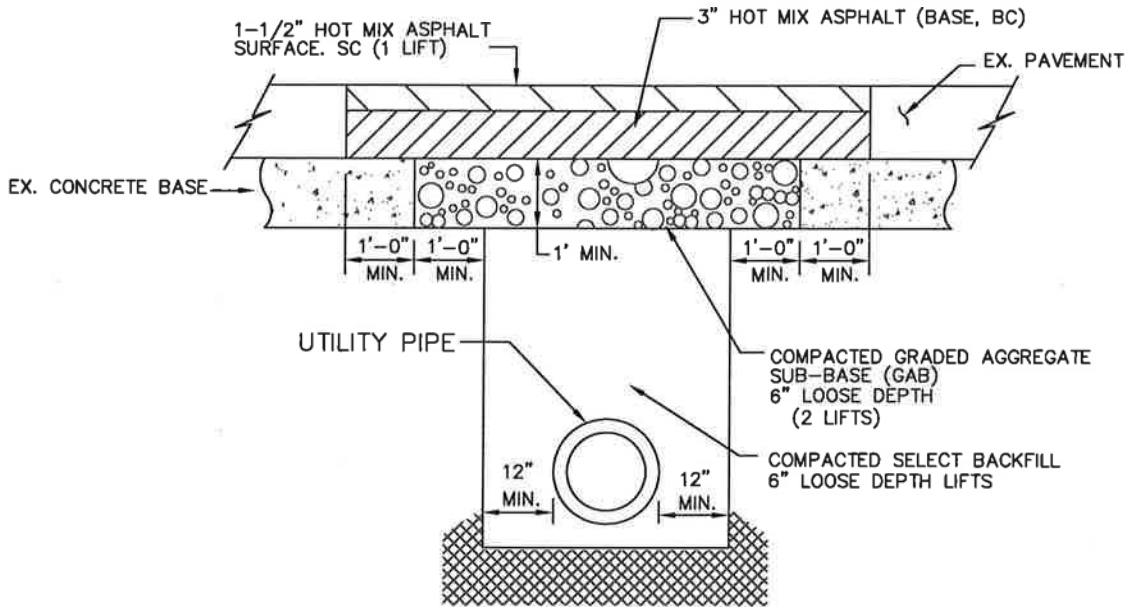
CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
DATE  
*Amanda Pollace*  
CITY ENGINEER

SANITARY SEWER  
ENCASEMENT  
DETAIL

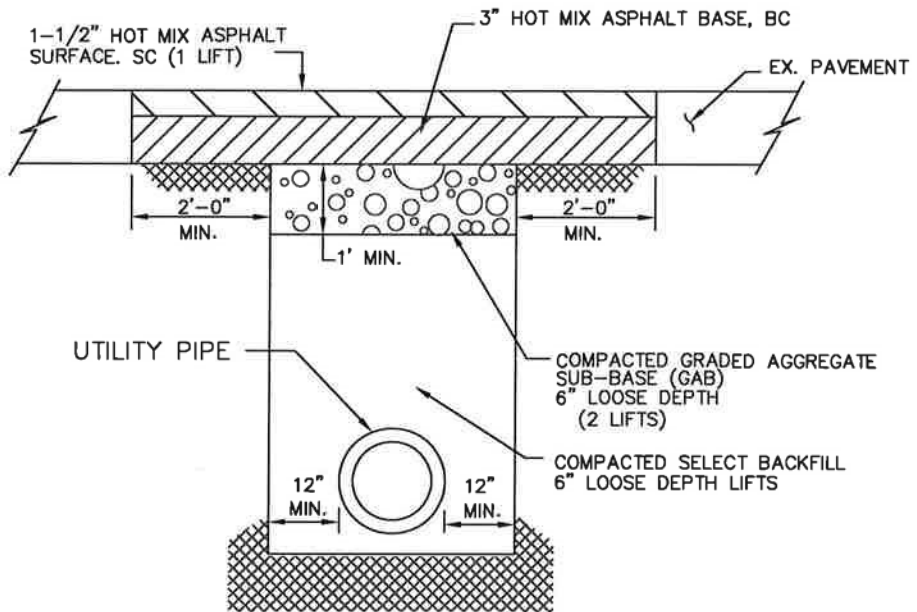
DATE	02/06/08
SCALE	NONE
DWG. NO.	STD40033
STD. NO.	400.33





**TYPICAL TRENCH REPAIR  
ROADS WITH CONCRETE BASE**

TYPICAL NOTE FOR STD.400.35:  
A TEMPORARY LAYER OF 1-1/2" HOT MIX ASPHALT (BASE, BC) OR COLD PATCH SHALL BE PLACED IN ALL DISTURBED AREA BY THE END OF THAT CURRENT DAYS' WORK, UNTIL FINAL DETAIL IS INSTALLED.



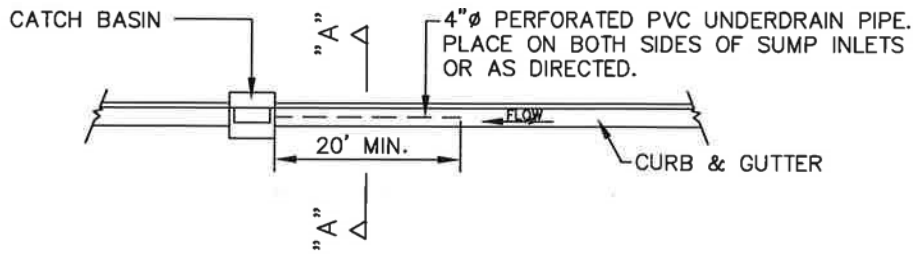
**TYPICAL TRENCH REPAIR (ROADS WITH BITUMINOUS  
CONCRETE SURFACE AND BITUMINOUS CONCRETE BASE)**

CITY OF  
SALISBURY  
SALISBURY, MD

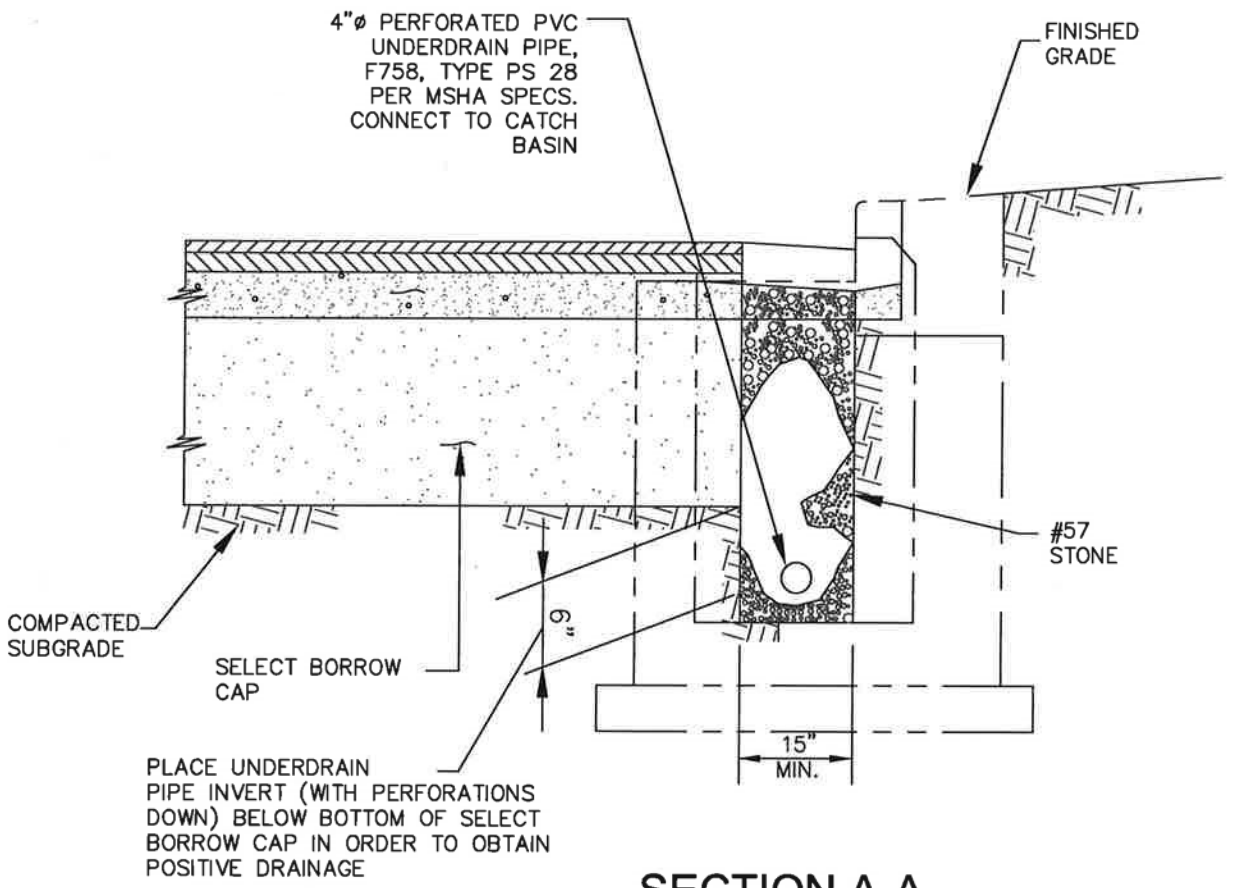
APPROVED  
*1/2/18*  
*Amanda Pollack* DATE  
CITY ENGINEER

**UTILITY TRENCH  
REPAIR DETAILS**

DATE 10/29/98  
SCALE NONE  
DWG. NO. STD40035  
STD. NO. 400.35



**PLAN**  
SCALE: 1"=20'



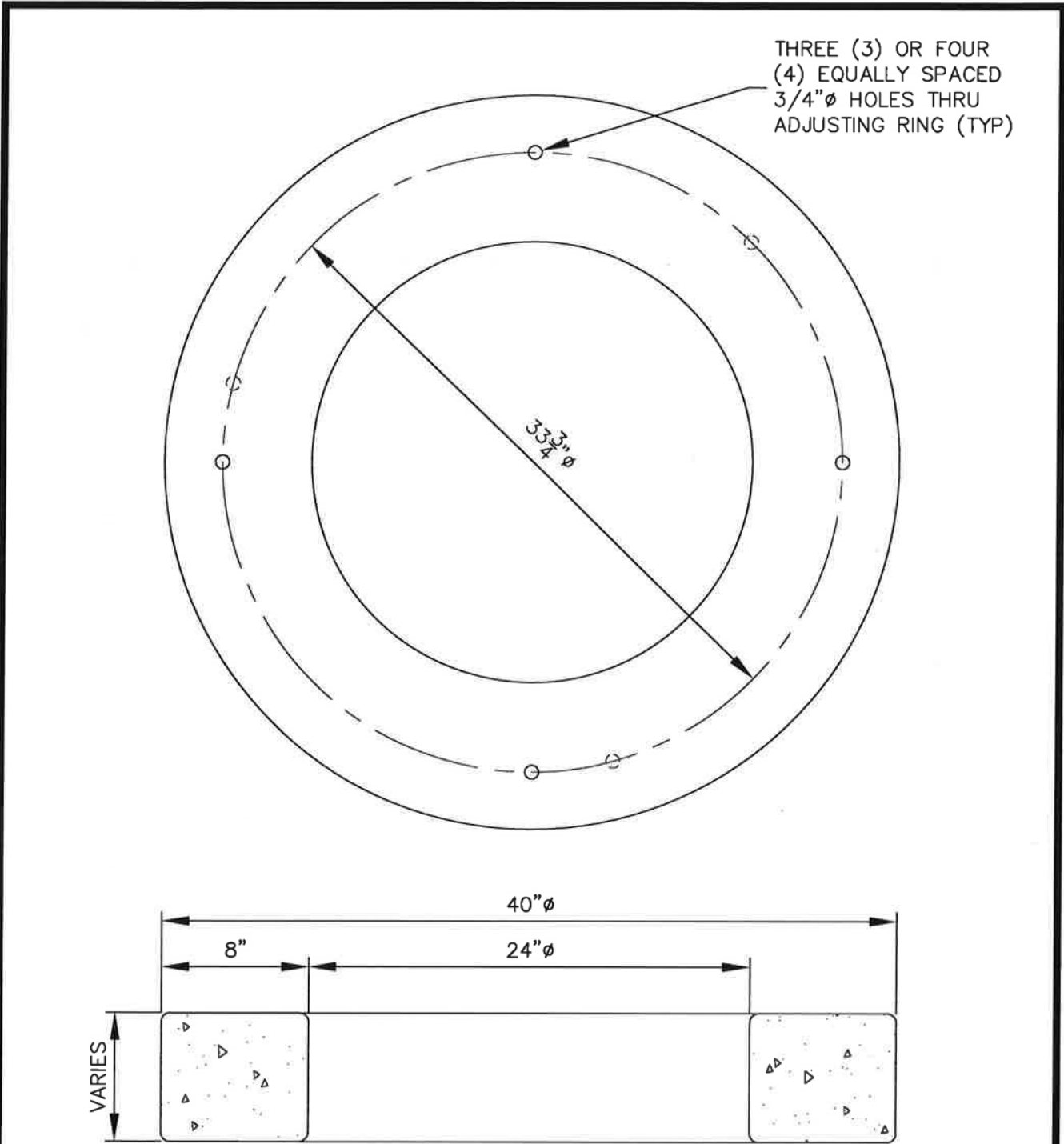
**SECTION A-A**  
SCALE: 1"=2'

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED  
*1/2/18*  
*Amanda Pollack* DATE  
CITY ENGINEER

**SUBGRADE  
DETAIL**

DATE 06/02/01  
SCALE NONE  
DWG. NO. STD40036  
STD. NO. 400.36



THREE (3) OR FOUR (4) EQUALLY SPACED 3/4"Ø HOLES THRU ADJUSTING RING (TYP)

33 3/4"Ø

40"Ø

8"

24"Ø

VARIES

**NOTES:**

- 1. DESIGNED FOR H-20 WHEEL LOADING
- 2. CONFORMS TO ASTM C-478 SPECIFICATIONS
- 3. REINFORCED TO 0.12 IN<sup>2</sup>/LF

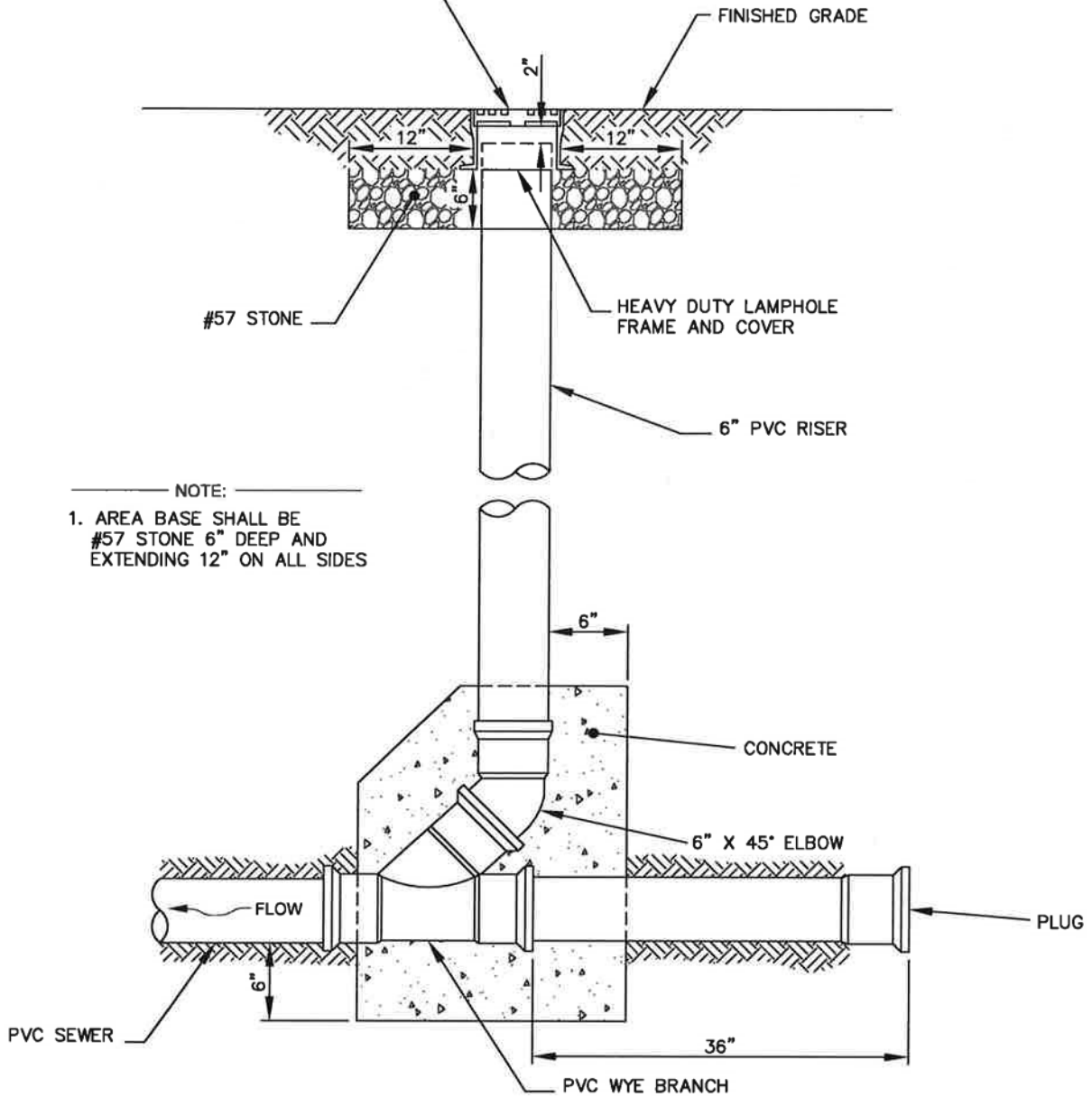
CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
*Amanda Pollack*  
CITY ENGINEER

**STANDARD PRECAST CONCRETE ADJUSTING RINGS**

DATE 01/01/17  
SCALE NONE  
DWG. NO. STD40038  
STD. NO. 400.38

EAST JORDAN IRON WORKS  
 FRAME #1578Z  
 COVER #1578A  
 NEENAH FOUNDRY  
 #R-1976



NOTE:  
 1. AREA BASE SHALL BE #57 STONE 6\"/>

CLEANOUTS INSTALLED IN DRIVEWAYS AND UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1.0' BEYOND THE FRAME OF THE CLEANOUT CAP. THE COLLAR SHALL BE 6\"/>

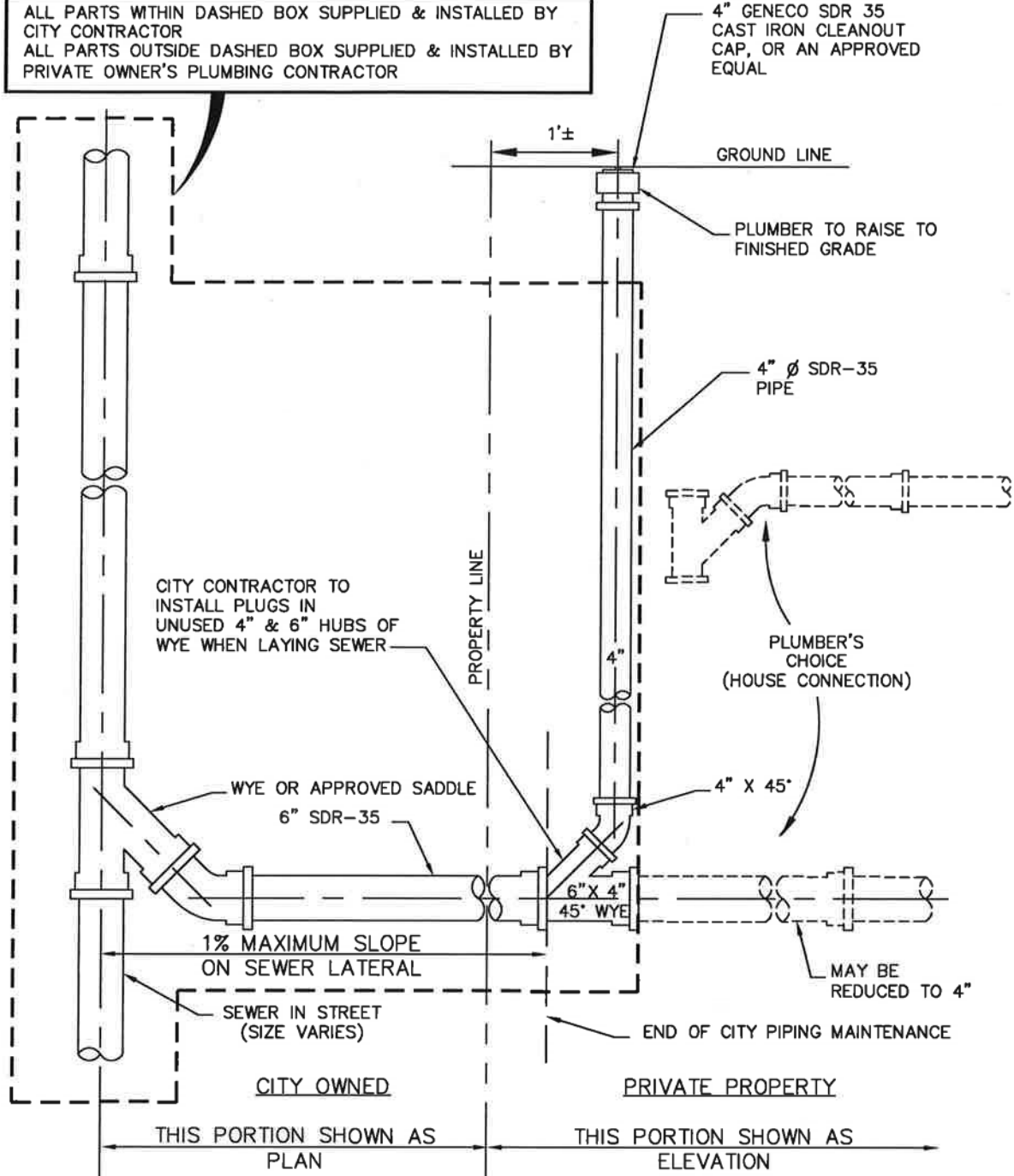
CITY OF  
 SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 Amanda Bellack  
 CITY ENGINEER

STANDARD CLEANOUT  
 FOR SEWER LINES  
 IN CITY STREETS

DATE 03/30/94  
 SCALE NONE  
 DWG. NO. STD40040  
 STD. NO. 400.40

ALL PARTS WITHIN DASHED BOX SUPPLIED & INSTALLED BY CITY CONTRACTOR  
 ALL PARTS OUTSIDE DASHED BOX SUPPLIED & INSTALLED BY PRIVATE OWNER'S PLUMBING CONTRACTOR



CLEANOUTS INSTALLED IN DRIVEWAYS AND UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1.0' BEYOND THE FRAME OF THE CLEANOUT CAP. THE COLLAR SHALL BE 6" THICK AND BE SUPPORTED BY A 6" BASE OF CR-6 AGGREGATE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. CONCRETE COLLARS SHALL BE INSTALLED AFTER THE TOP OF THE CLEANOUT CAPS ARE ADJUSTED TO FINISHED GRADE.

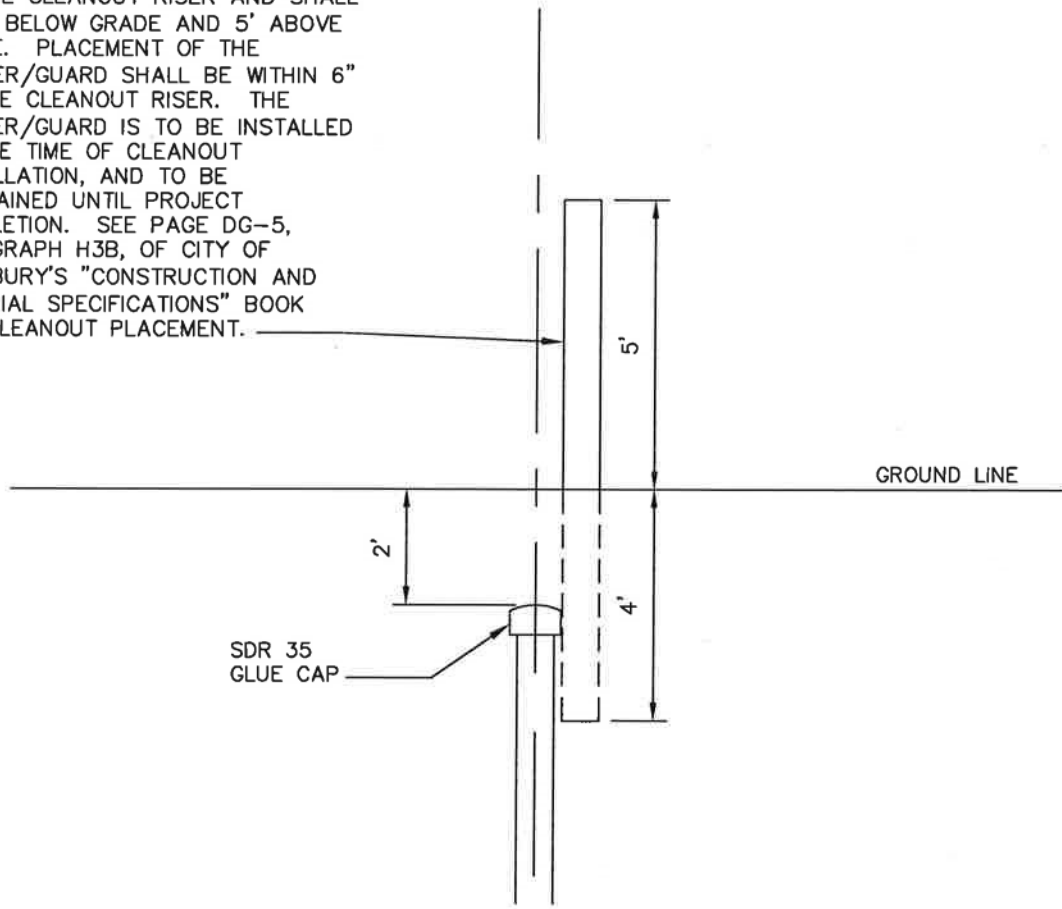
CITY OF  
 SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 Amanda Pollack  
 CITY ENGINEER

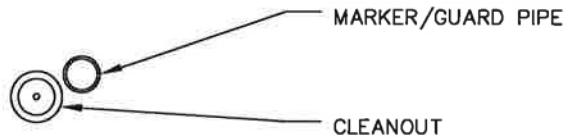
STANDARD HOUSE SERVICE  
 SEWER CONNECTION  
 USING PLASTIC PIPE W/  
 EXISTING SEWER MAIN

DATE	6/28/06
SCALE	NONE
DWG. NO.	STD40042
STD. NO.	400.42

SANITARY SEWER CLEANOUTS SHALL BE GUARDED BY A MARKER/GUARD PIPE. THE MARKER/GUARD PIPE SHALL BE THE SAME SIZE AND TYPE AS THE CLEANOUT RISER AND SHALL BE 4' BELOW GRADE AND 5' ABOVE GRADE. PLACEMENT OF THE MARKER/GUARD SHALL BE WITHIN 6" OF THE CLEANOUT RISER. THE MARKER/GUARD IS TO BE INSTALLED AT THE TIME OF CLEANOUT INSTALLATION, AND TO BE MAINTAINED UNTIL PROJECT COMPLETION. SEE PAGE DG-5, PARAGRAPH H3B, OF CITY OF SALISBURY'S "CONSTRUCTION AND MATERIAL SPECIFICATIONS" BOOK FOR CLEANOUT PLACEMENT.



**FRONT VIEW**

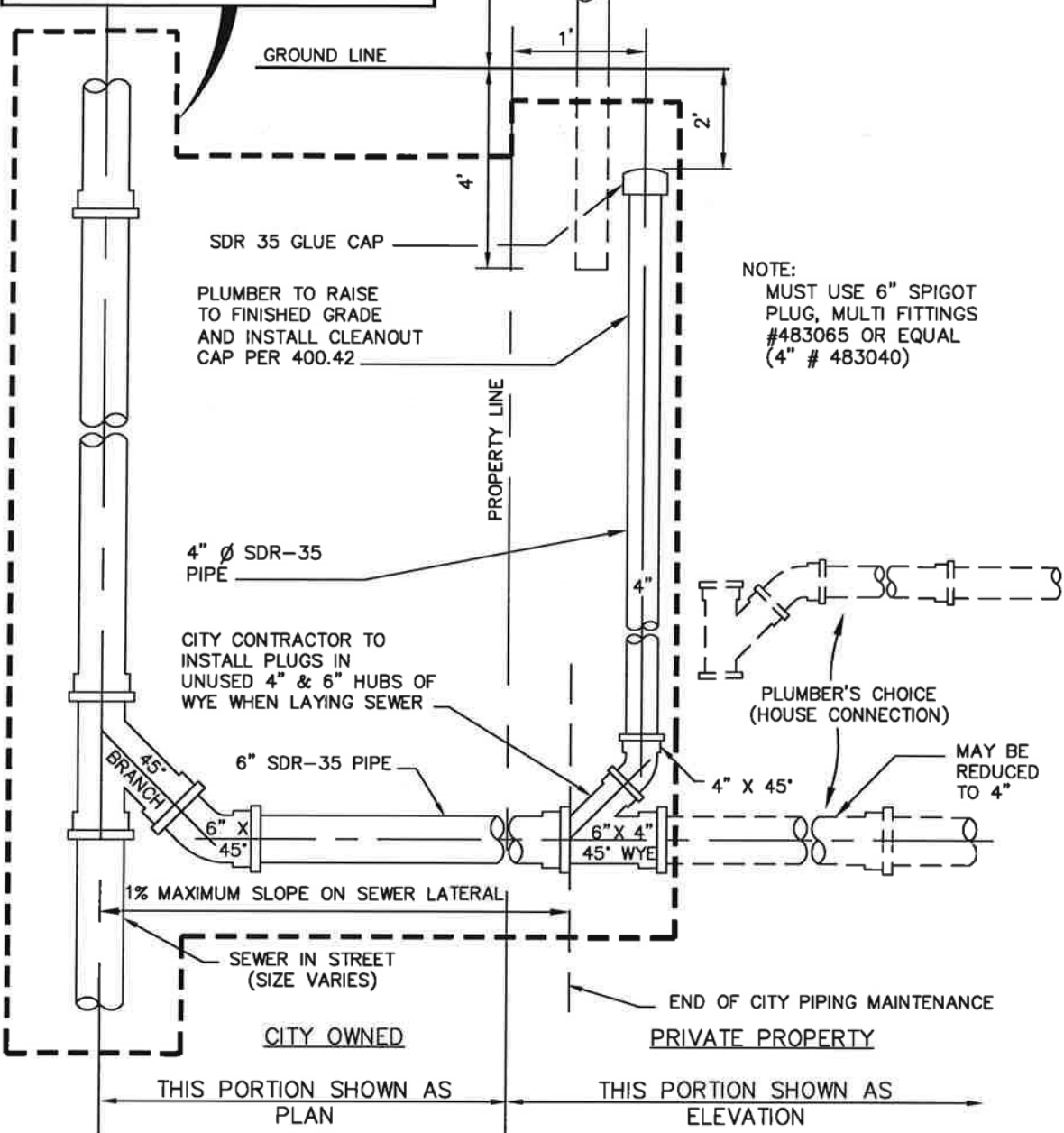


**PLAN VIEW**

<p>CITY OF SALISBURY SALISBURY, MD</p>	<p>APPROVED</p> <p><i>1/2/18</i></p> <p><i>Amanda Bellach</i> DATE</p> <p>CITY ENGINEER</p>	<p>STANDARD HOUSE SERVICE SEWER CONNECTION CLEANOUT GUARD DETAIL</p>	<p>DATE 01/23/06</p>
			<p>SCALE NONE</p>
			<p>DWG. NO. STD40043</p>
			<p>STD. NO. 400.43</p>

ALL PARTS WITHIN DASHED BOX SUPPLIED & INSTALLED BY CITY CONTRACTOR.  
 ALL PARTS OUTSIDE DASHED BOX SUPPLIED & INSTALLED BY PRIVATE OWNER'S PLUMBERING CONTRACTOR.

SEE DETAIL 400.43 FOR CLEANOUT GUARD DETAIL.



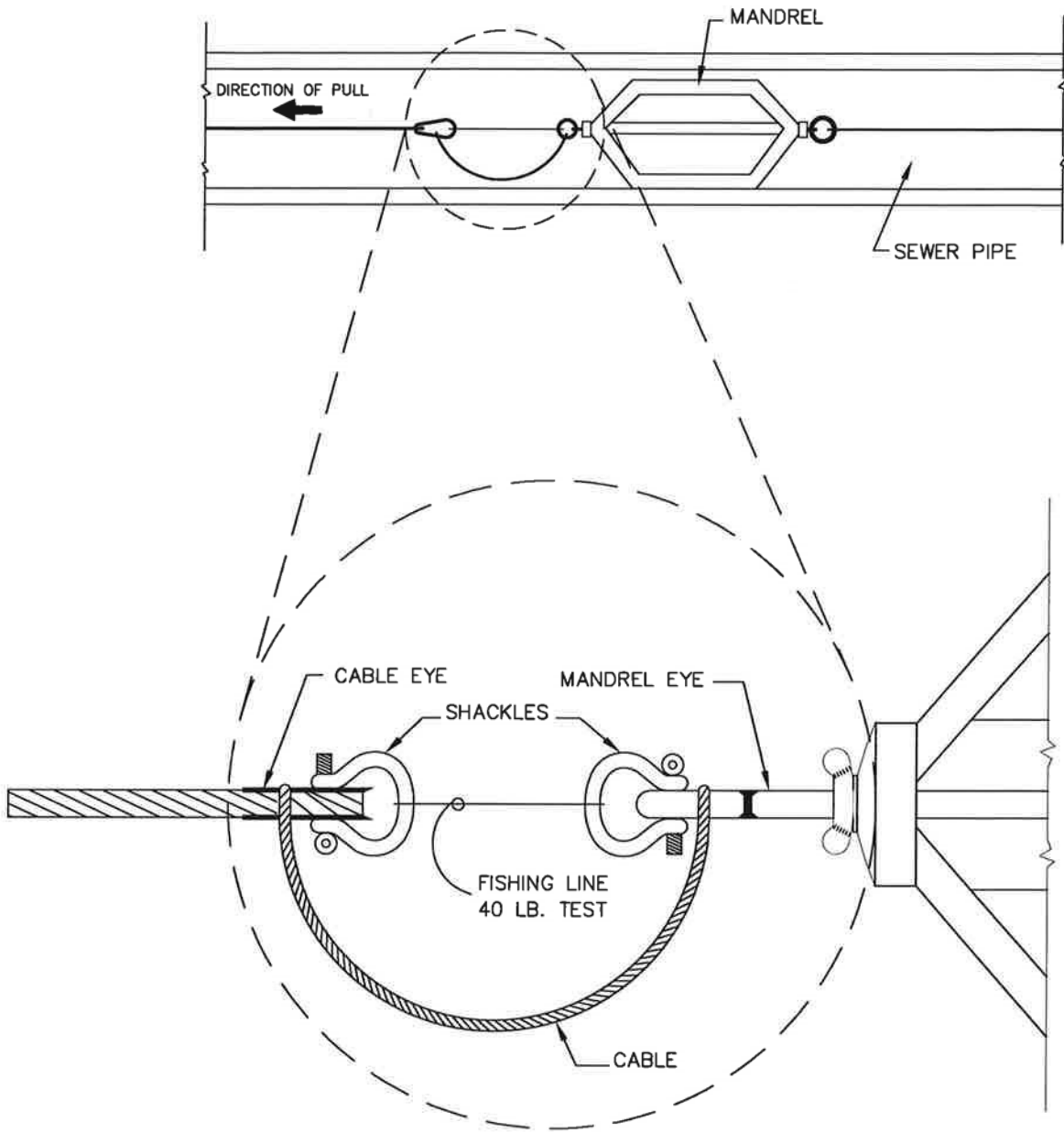
CLEANOUTS INSTALLED IN DRIVEWAYS AND UNPAVED AREAS SHALL BE FURNISHED WITH A ROUND CONCRETE COLLAR EXTENDING 1.0' BEYOND THE FRAME OF THE CLEANOUT CAP. THE COLLAR SHALL BE 6" THICK AND BE SUPPORTED BY A 6" BASE OF CR-6 AGGREGATE WHICH IN TURN SHALL BE SUPPORTED BY SUITABLE SOIL COMPACTED TO 95% PROCTOR. CONCRETE COLLARS SHALL BE INSTALLED AFTER THE TOP OF THE CLEANOUT CAPS ARE ADJUSTED TO FINISHED GRADE.

CITY OF  
 SALISBURY  
 SALISBURY, MD

APPROVED  
 1/2/18  
 Amanda Pollack  
 CITY ENGINEER

STANDARD HOUSE SERVICE  
 SEWER CONNECTION  
 FOR NEW CONSTRUCTION  
 USING PLASTIC PIPE

DATE 1/31/08  
 SCALE NONE  
 DWG. NO. STD40045  
 STD. NO. 400.45



NOTE:

1. MANDREL SHALL BE APPROVED BY THE FIELD ENGINEER PRIOR TO USE.
2. MANDREL SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE.

CITY OF  
SALISBURY  
SALISBURY, MD

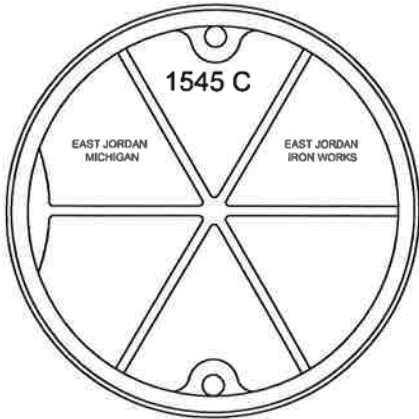
APPROVED  
*1/2/18*  
*Amanda Pollock* DATE  
CITY ENGINEER

DEFLECTION TEST  
MANDREL METHOD

DATE	03/01/12
SCALE	NONE
DWG. NO.	STD40050
STD. NO.	400.50



NOTE: NOT FOR USE IN PAVED AREAS.



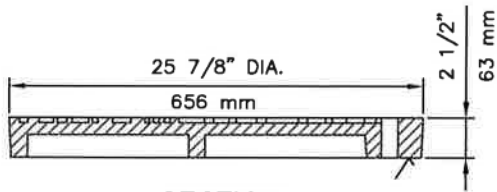
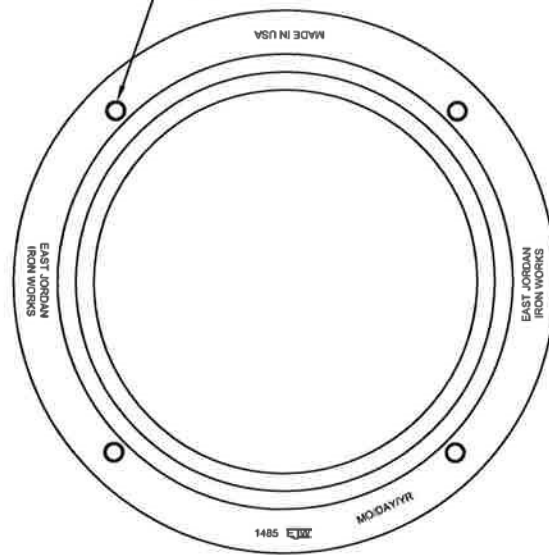
BOTTOM VIEW

EAST JORDAN  
 FRAME #148510  
 COVER #154524  
 OR APPROVED SUBSTITUTE

2 1/2" (64) RAISED LETTERS  
 (FLUSH WITH TOP)  
 1 1/8" DIA.  
 (29 mm) HOLES

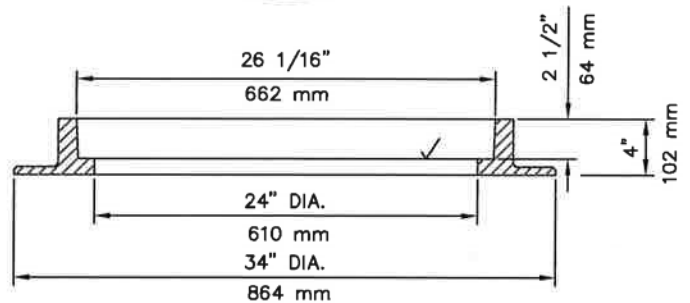


(4) 1" (25 mm) DIA.  
 HOLES ON 30 1/4" DIA  
 BOLT CIRCLE



SECTION

✓ MACHINED SURFACE

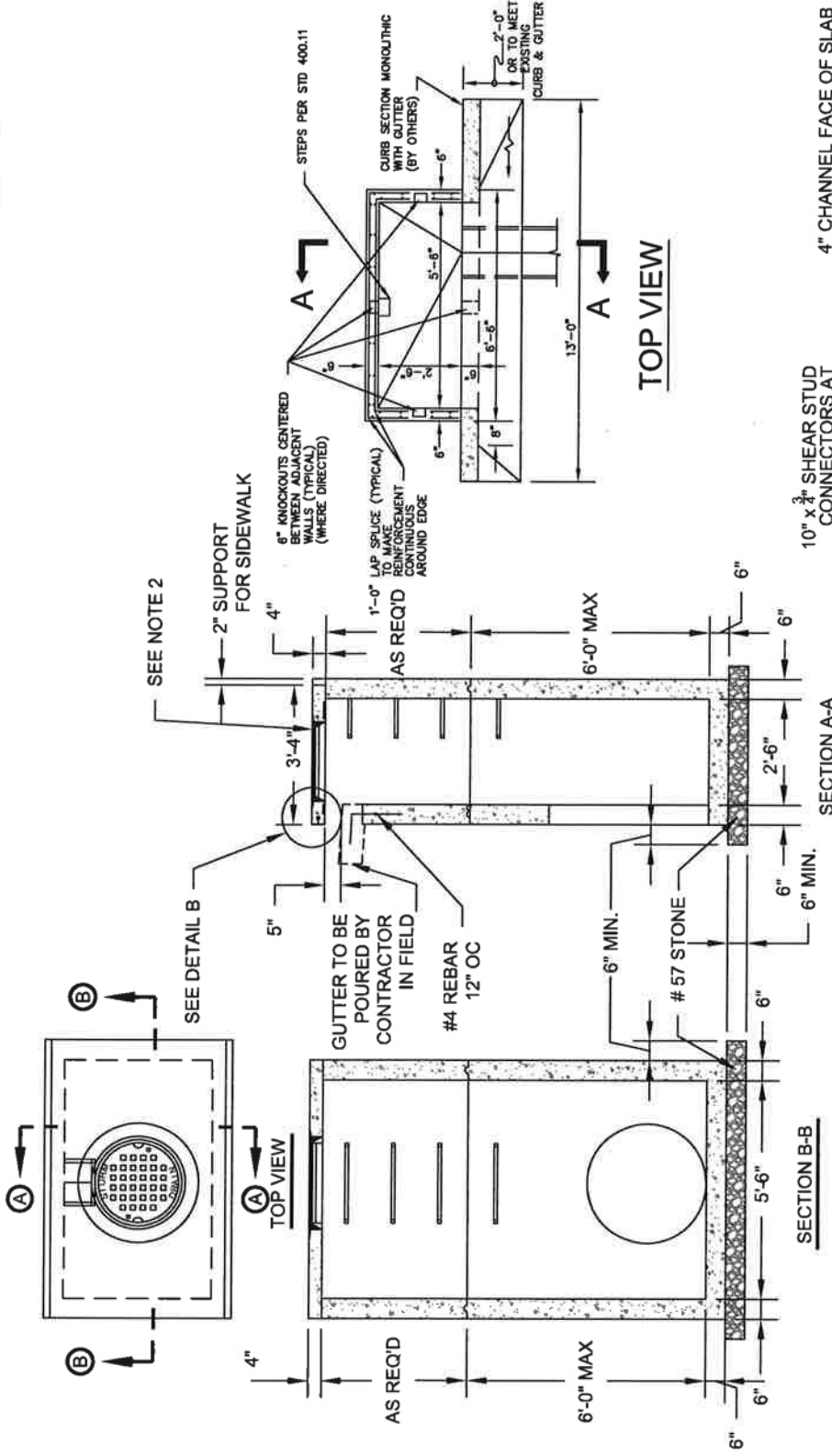


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 Amanda Pellach  
 CITY ENGINEER

MINIMUM CLEARANCE  
 MANHOLE FRAME & COVER  
 STORMWATER

DATE 7/31/98  
 SCALE NONE  
 DWG. NO. STD50010  
 STD. NO. 500.10

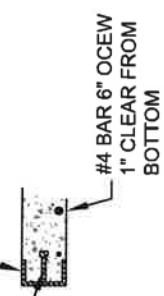


**GENERAL NOTES:**

1. CONCRETE SHALL BE MDSHA MIX No. 6 - 4, 500 P.S.I.
2. SIDEWALK FRAME AND COVER TO BE NEENAH R-5915-E. OR EAST JORDAN FRAME 2935Z, COVER 2935C.
3. STEPS INCLUDED WHEN BOX IS OVER 3'-6".
4. REINFORCING TO BE 2 LAYERS OF W4XW4 WELDED WIRE FABRIC.
5. TO BE PAINTED IN FIELD WITH RUSTOLEUM 3400 SYSTEM DTM 340 VOC ALKYD ENAMEL 3482402 SILVER GRAY.
6. MINIMUM COVER SHALL BE 1 1/2" FOR ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
7. (RISER SECTION) 5 FOOT MAXIMUM HEIGHT, 1 FOOT MINIMUM.
8. (BASE) 6" MAXIMUM HEIGHT, MINIMUM HEIGHT = PIPE O.D. + 6 IN. MEASURED FROM PIPE INVERT.
9. PIPE OPENINGS TO BE PROVIDED AS REQUIRED FOR SIZE, LOCATION AND INVERT ELEVATIONS. REFER TO PLANS.
10. PLACEMENT OF SUBGRADE DRAINAGE WILL BE AS DIRECTED BY THE ENGINEER OR AS NOTED ON PLANS.
11. GROUT AROUND ALL PIPES USING NON-SHRINK GROUT JOINT FILLER.
12. WHERE USED, UNDERDRAIN SHALL BE GROUTED IN PLACE IN THE PROVIDED KNOCKOUT HOLES.
13. LIFT HOLES TO BE PROVIDED FOR HANDLING RISER(S) AND BASE HOLES TO BE FILLED WITH MIX #3 CONCRETE UPON INSTALLATION.
14. INVERT TO BE CONCRETE SLOPE 2" PER FOOT TOWARD OUTLET OR AS DIRECTED. (TO BE PROVIDED IN FIELD)

10" x 3/4" SHEAR STUD CONNECTORS AT 3'-6" C/C MAX PAINT AFTER WELDING

4" CHANNEL FACE OF SLAB SEE NOTE 5.



**DETAIL B**

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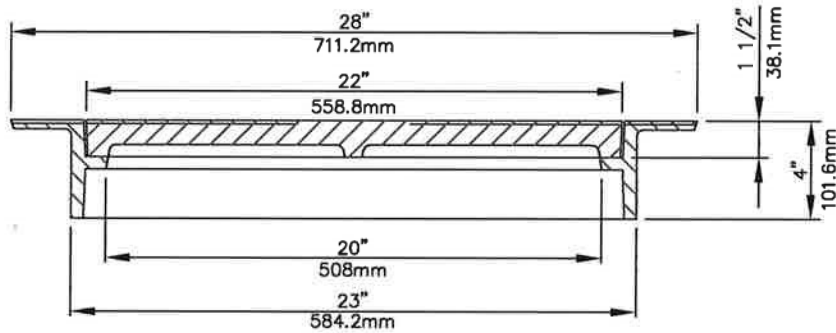
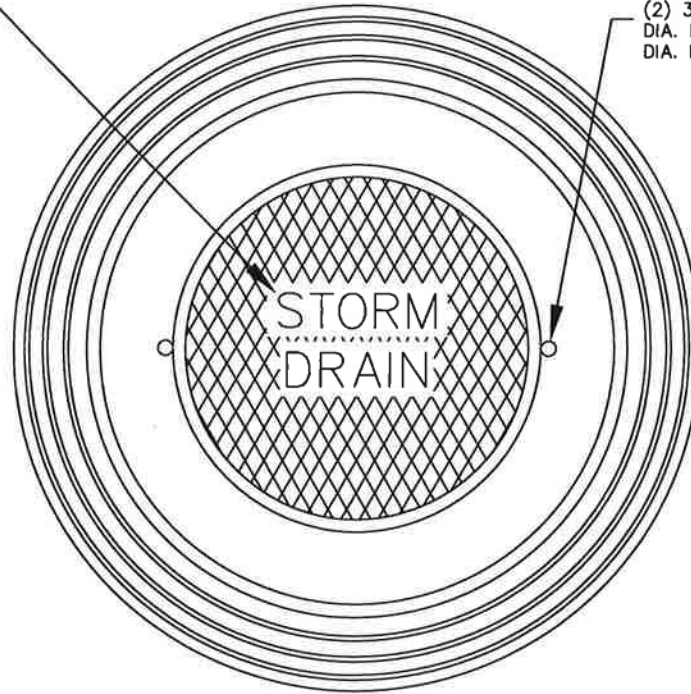
APPROVED  
*1/2/18*  
*Amanda Pollack* DATE  
CITY ENGINEER

TYPE "A-1" INLET

DATE	1/27/10
SCALE	NONE
DWG. NO.	STD50045
STD. NO.	500.45

2" (50.8mm) LETTERS  
(RECESSED FLUSH)

(2) 3/4" (19.1mm)  
DIA. HOLES ON 18" (457.2mm)  
DIA. BOLT CIRCLE



HEAVY DUTY  
MACHINED BEARING SURFACES  
MAT'L. ASTM A48 CL 35

EAST JORDAN FRAME 2935Z, COVER 2935C  
OR NEENAH R-5915-E.

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SALISBURY, MD

APPROVED

1/2/18  
*Amanda Pollock* DATE  
CITY ENGINEER

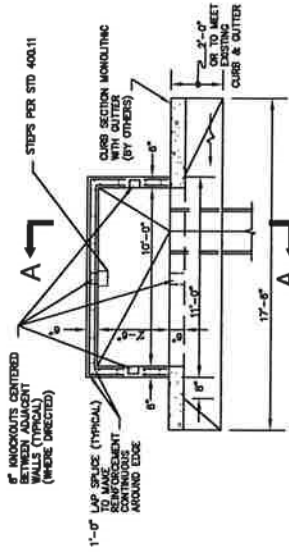
SIDEWALK FRAME & COVER  
TYPE "A-1" & "B-1" INLETS

DATE 7/27/98

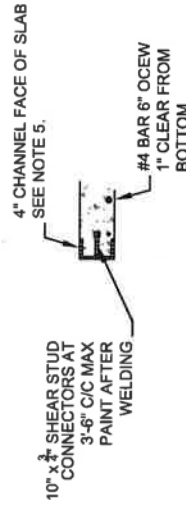
SCALE NONE

DWG. NO. STD50046

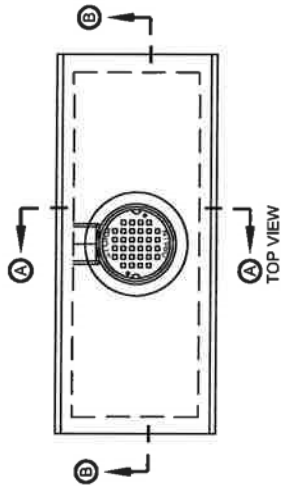
STD. NO. 500.46



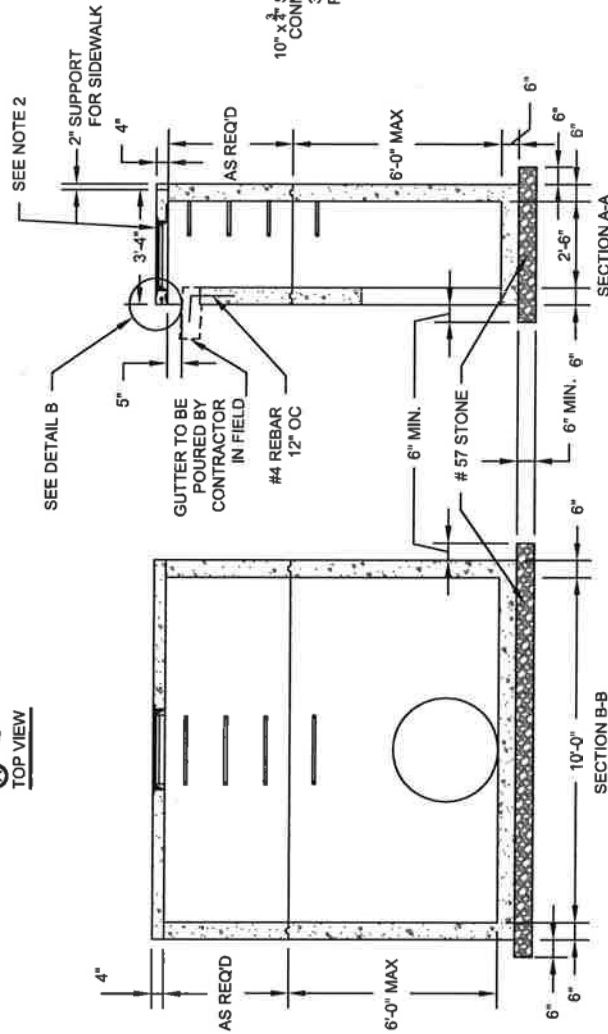
TOP VIEW



DETAIL B



TOP VIEW



SECTION A-A

SECTION B-B

**GENERAL NOTES:**

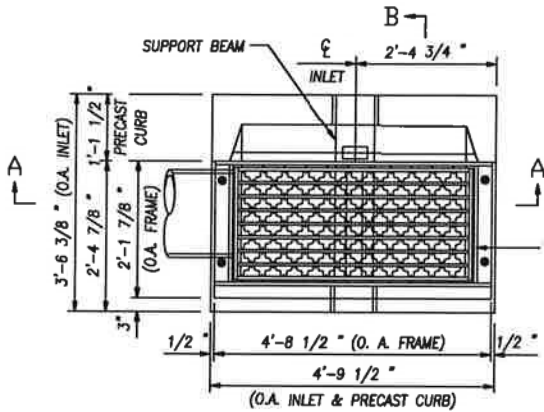
1. CONCRETE SHALL BE MDSHA MIX No. 6-4, 500 P.S.I.
2. SIDEWALK FRAME AND COVER TO BE NEENAH R-5915-E, OR EAST JORDAN FRAME 2935Z, COVER 2935C.
3. STEPS INCLUDED WHEN BOX IS OVER 3'-6\".
4. REINFORCING TO BE 2 LAYERS OF W4XW4 WELDED WIRE FABRIC.
5. TO BE PAINTED IN FIELD WITH RUSTOLEUM 3400 SYSTEM DTM 340 VOC ALKYD ENAMEL 3482402 SILVER GRAY.
6. MINIMUM COVER SHALL BE 1 1/2\" FOR ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
7. (RISER SECTION) 5 FOOT MAXIMUM HEIGHT, 1 FOOT MINIMUM.
8. (BASE) 6\" MAXIMUM HEIGHT, MINIMUM HEIGHT = PIPE O.D. + 6 IN. MEASURED FROM PIPE INVERT.
9. PIPE OPENINGS TO BE PROVIDED AS REQUIRED FOR SIZE, LOCATION AND INVERT ELEVATIONS. REFER TO PLANS.
10. PLACEMENT OF SUBGRADE DRAINAGE WILL BE AS DIRECTED BY THE ENGINEER OR AS NOTED ON PLANS.
11. GROUT AROUND ALL PIPES USING NON-SHRINK GROUT JOINT FILLER.
12. WHERE USED, UNDERDRAIN SHALL BE GROUTED IN PLACE IN THE PROVIDED KNOCKOUT HOLES.
13. LIFT HOLES TO BE PROVIDED FOR HANDLING RISER(S) AND BASE HOLES TO BE FILLED WITH MIX #3 CONCRETE UPON INSTALLATION.
14. INVERT TO BE CONCRETE SLOPE 2\" PER FOOT TOWARD OUTLET OR AS DIRECTED. (TO BE PROVIDED IN FIELD)

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TYPE "B-1" INLET

DATE 1/27/10  
SCALE NONE  
DWG. NO. STD50048  
STD. NO. 500.48



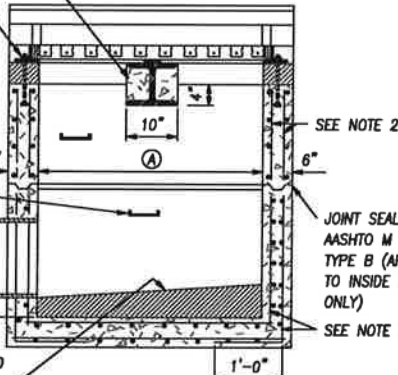
INLET TYPE	DIMENSIONS	
	A	B
NR OPEN THROAT	3'-8 1/2"	2'-8 3/8"
NR CLOSED THROAT	3'-8 1/2"	1'-10 3/8"

SUPPORT BEAM ANCHORAGE  
CONCRETE MIX. NO.6 (TO BE  
CAST IN FIELD)

5/8" Ø ANCHOR BOLT,  
4 PER FRAME

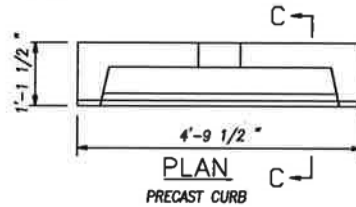
LADDER RUNGS  
PER SPW  
STANDARD DETAIL

INVERT TO BE CONCRETE  
SLOPE 2" PER FOOT TOWARD  
OUTLET OR AS DIRECTED.  
(TO BE PROVIDED IN FIELD)

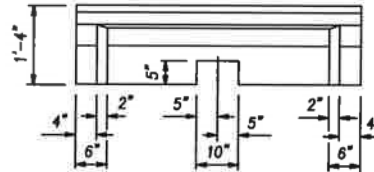


SECTION A-A

LAP SPLICE TO MAKE REINFORCING  
CONTINUOUS AROUND OUTSIDE CORNER.



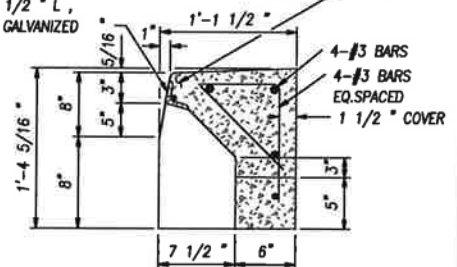
PLAN  
PRECAST CURB



FRONT ELEVATION  
(PRECAST CURB)

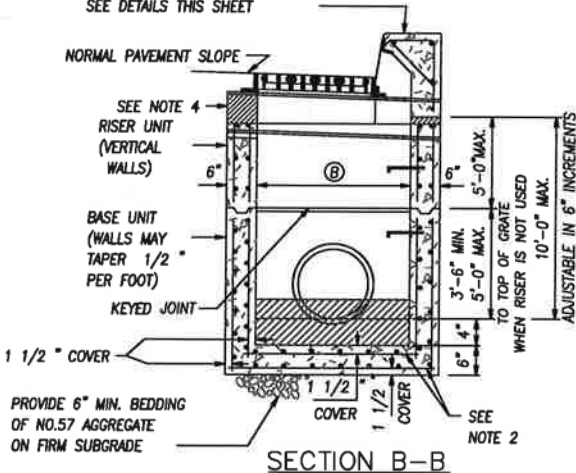
2 1/2 "x2 1/2 "x 1/2 " L,  
4'-9 1/2 " LONG, GALVANIZED

#3 ANCHOR BARS  
WELDED TO L Ø  
18" C/C.



SECTION C-C

PRECAST CURB  
SEE DETAILS THIS SHEET



SECTION B-B

**GENERAL NOTES**

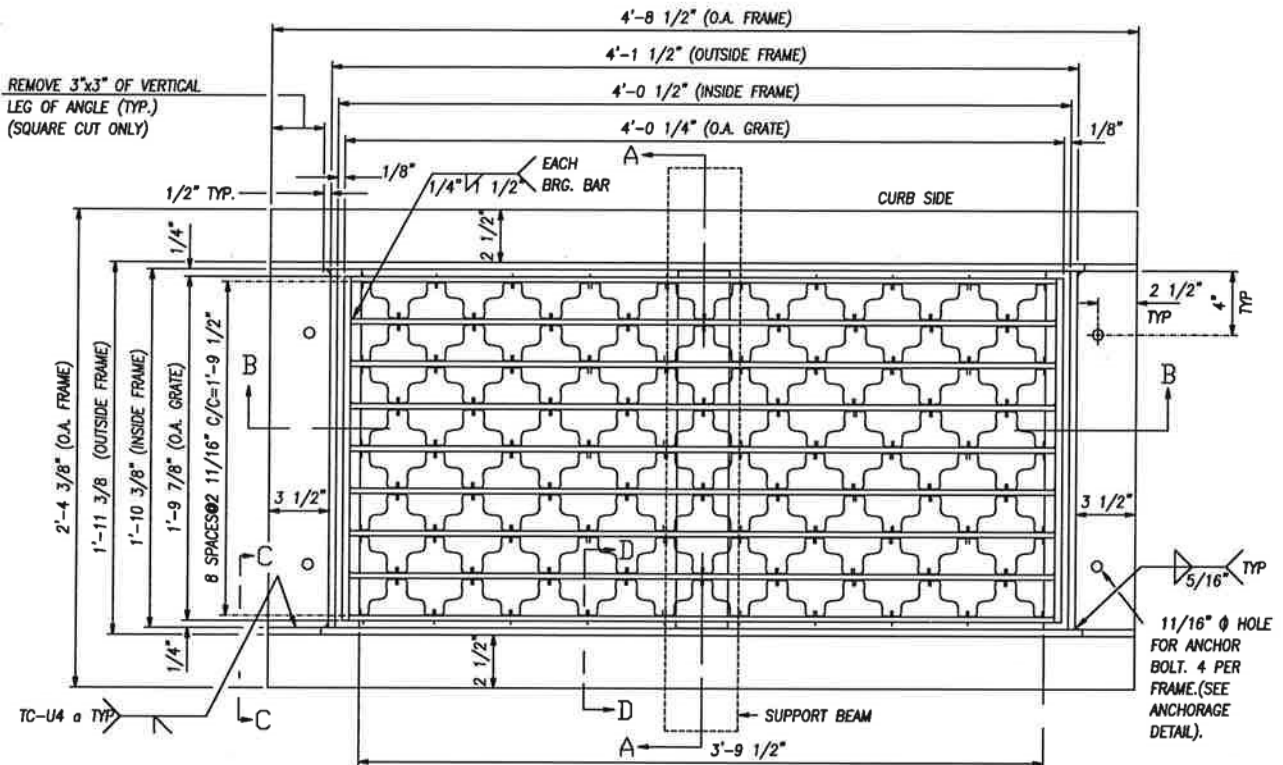
1. CONCRETE TO BE MIX NO.6 (4500PSI)
2. REINFORCING-2 LAYERS OF 4x4-W4.0xW4.0 WELDED WIRE FABRIC.
3. THREADED PLASTIC INSERTS TO BE PROVIDED FOR HANDLING.
4. GRADE AND SLOPE ADJUSTMENTS COMPLETED IN THE FIELD USING CONCRETE MIX NO.6.
5. PIPE OPENINGS TO BE PROVIDED AS REQUIRED, FOR SIZE, LOCATION AND INVERT ELEVATIONS REFER TO CONSTRUCTION PLANS.
6. PLACEMENT OF SUBGRADE DRAINAGE WILL BE AS DIRECTED BY THE ENGINEER OR AS NOTED ON THE CONSTRUCTION PLANS.
7. LADDER RUNGS SHALL BE IN ACCORDANCE WITH SPW STANDARD DETAIL
8. OMIT SUPPORT BEAM W/ CLOSED THROAT VERSION

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**PRECAST NR INLET  
OPEN AND CLOSED  
THROAT**

DATE 11/19/09  
SCALE NONE  
DWG. NO. STD50052  
STD. NO. 500.52



REMOVE 3"x3" OF VERTICAL LEG OF ANGLE (TYP.) (SQUARE CUT ONLY)

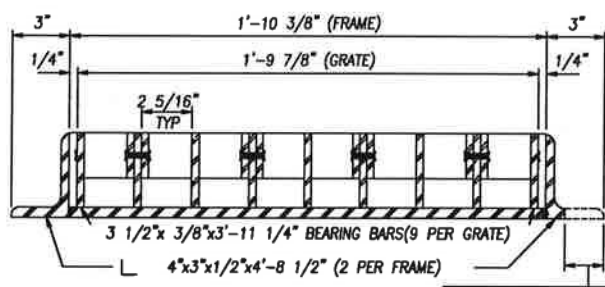
TC-U4 a TYP

11/16" Ø HOLE FOR ANCHOR BOLT. 4 PER FRAME. (SEE ANCHORAGE DETAIL).

PLAN

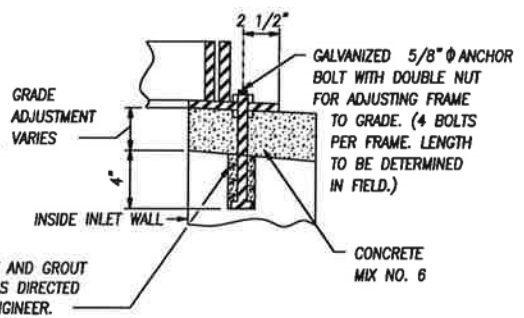
GENERAL NOTES

1. FRAMES & GRATES TO BE SQUARE, FLAT & TRUE.
2. STRUCTURAL STEEL SHALL BE A.S.T.M. A-36.
3. FRAMES & GRATES TO BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH A.S.T.M. A-123.

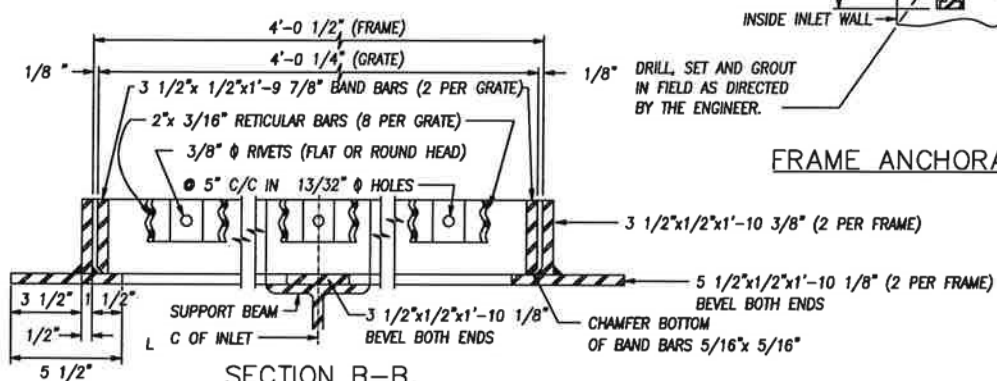


SECTION A-A

USE 4"x 1/2" FLAT BAR WHEN OPEN FACED CURB IS USED.



FRAME ANCHORAGE DETAIL



SECTION B-B

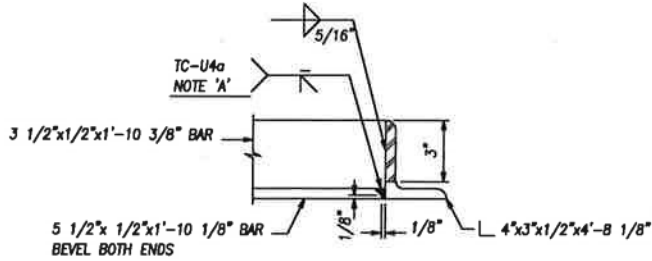
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CITY ENGINEER

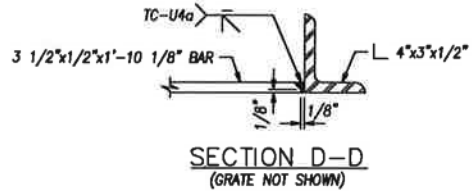
STANDARD NR INLET  
FRAME & GRATE

DATE 2/19/10  
SCALE N.T.S.  
DWG. NO. STD50053  
STD. NO. 500.53

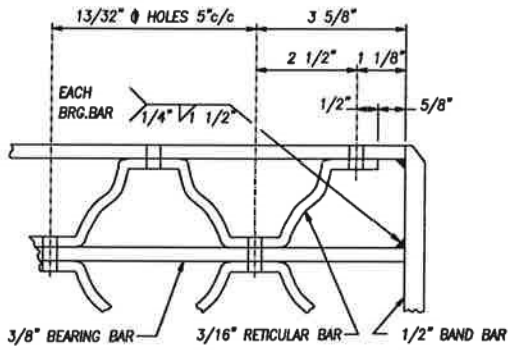
NOTE 'A' - WELD 5 1/2"x1/2" BAR TO 4"x3"x1/2" L  
BEFORE WELDING 3 1/2"x1/2" BAR



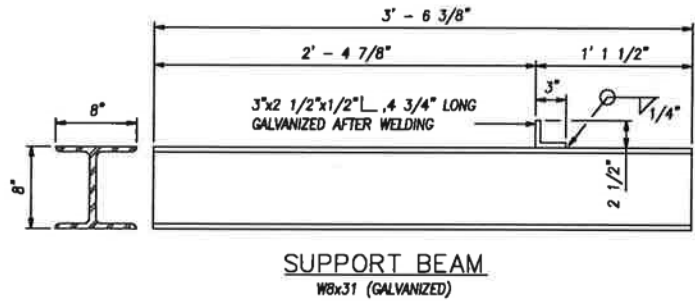
SECTION C-C



SECTION D-D  
(GRATE NOT SHOWN)



GRATING DETAIL



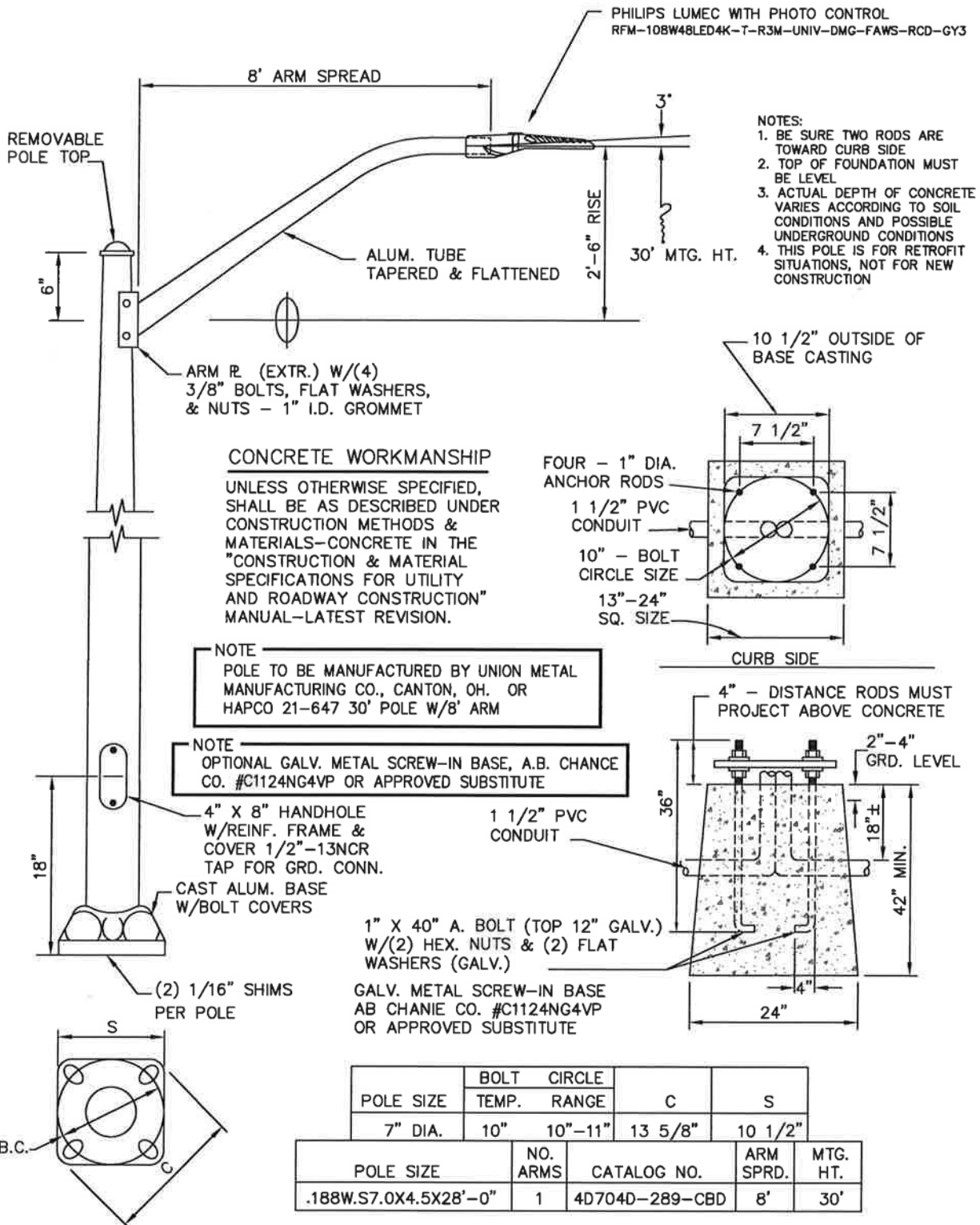
SUPPORT BEAM  
W8x31 (GALVANIZED)

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STANDARD NR INLET FRAME, GRATE  
AND SUPPORT BEAM DETAILS

DATE 2/19/10  
SCALE N.T.S.  
DWG. NO. STD50054  
STD. NO. 500.54



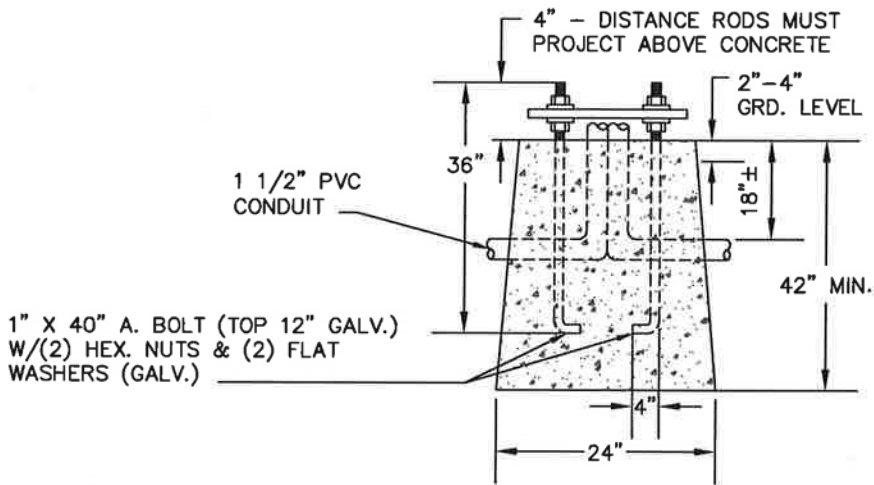
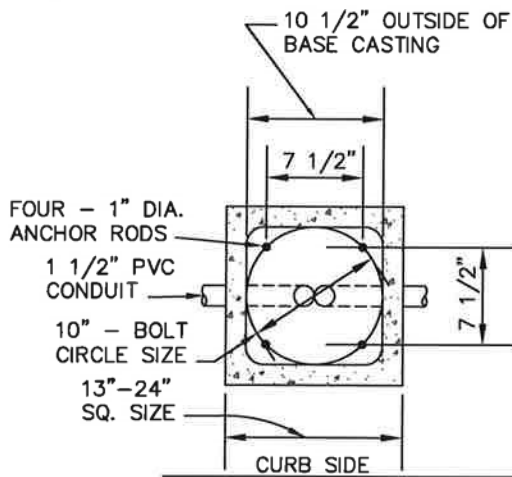
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APPROVED  
*1/2/18*  
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LED COBRA HEAD  
LIGHTING POLE  
& FOUNDATION

DATE 10/14/85  
SCALE NONE  
DWG. NO. STD60001  
STD. NO. 600.01





1" X 40" A. BOLT (TOP 12" GALV.)  
W/(2) HEX. NUTS & (2) FLAT  
WASHERS (GALV.)

NOTE FOR STANDARD 600.01  
OPTIONAL GALV. METAL SCREW-IN BASE, A.B.  
CHANCE CO. #C1124NG4VP, McCLEAN POWER  
SYSTEMS CO. #D1202-0053 OR APPROVED  
SUBSTITUTE

NOTE FOR STANDARD 600.04  
OPTIONAL GALV. METAL SCREW-IN BASE,  
McCLEAN POWER SYSTEMS CO. #D1202-0231  
OR APPROVED SUBSTITUTE

**CONCRETE WORKMANSHIP**  
UNLESS OTHERWISE SPECIFIED,  
SHALL BE AS DESCRIBED UNDER  
CONSTRUCTION METHODS &  
MATERIALS—CONCRETE IN THE  
"CONSTRUCTION & MATERIAL  
SPECIFICATIONS FOR UTILITY  
AND ROADWAY CONSTRUCTION"  
MANUAL—LATEST REVISION.

- NOTES:
1. BE SURE TWO RODS ARE TOWARD CURB SIDE
  2. TOP OF FOUNDATION MUST BE LEVEL
  3. ACTUAL DEPTH OF CONCRETE VARIES ACCORDING TO SOIL CONDITIONS AND POSSIBLE UNDERGROUND CONDITIONS

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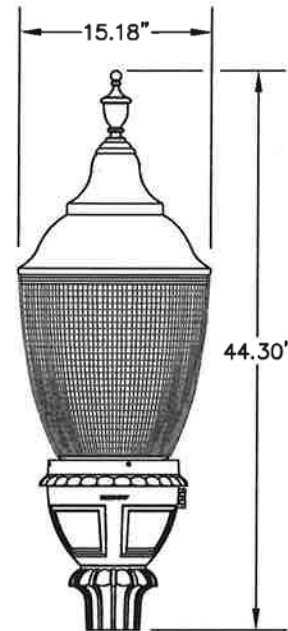
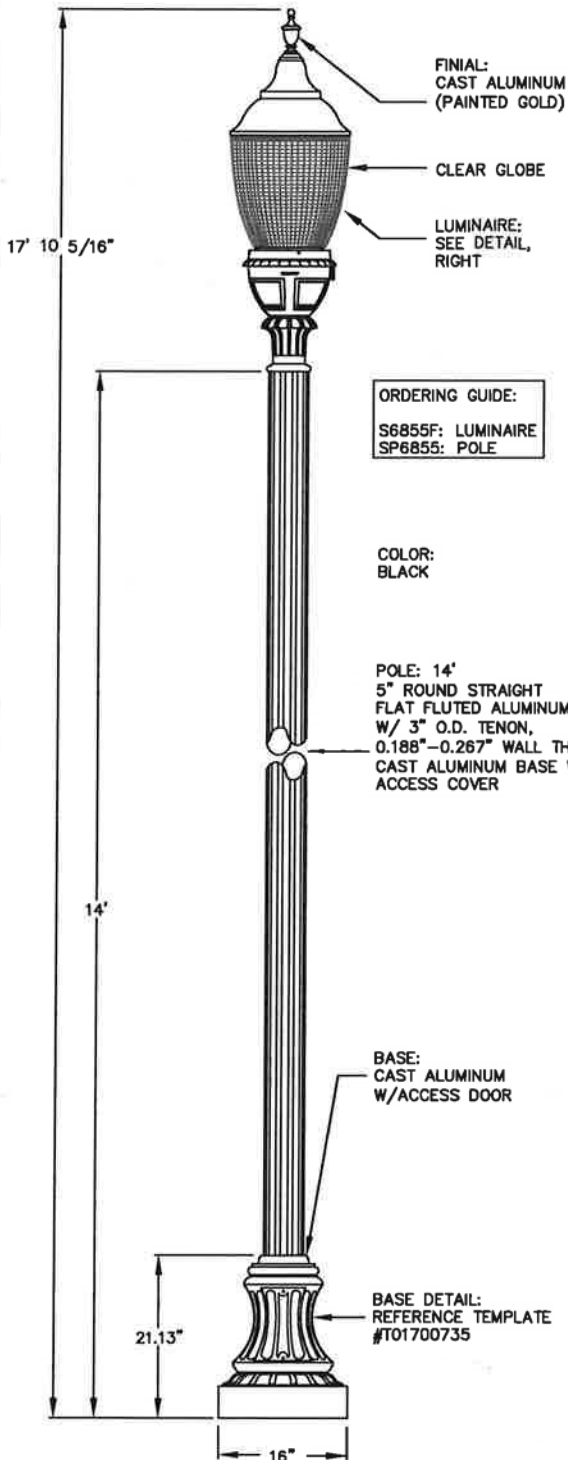
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1/2/18  
DATE  
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CITY ENGINEER

**FOUNDATION  
FOR LIGHTING POLE**

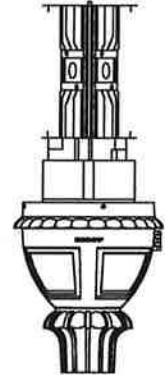
DATE 11/17/15  
SCALE NONE  
DWG. NO. STD60002  
STD. NO. 600.02

**NOTICE:**  
THIS DRAWING IS FOR REFERENCE  
ONLY. CHECK FOR LATEST REVISION  
PRIOR TO ORDERING

ORNAMENTAL LIGHT FIXTURE SHALL BE AS  
MANUFACTURED BY PHILIPS HADCO, OR  
APPROVED SUBSTITUTE



TOP VIEW  
LUMILOCK L.E.D.  
ASSEMBLY



LUMINAIRE DETAIL

**FASTENERS:**

- ALLEN HEAD BOLTS
- HEX HEAD BOLTS

**COLOR:**

- BLACK
- HEX HEAD BOLTS

**PHOTO CONTROL:**

- 120V BUTTON EYE
- 208V/240V/277V BUTTON EYE
- 347V BUTTON EYE
- TWIST-LOCK RECEPTACLE
- NONE

**PHOTO CONTROL:**

- 4 HRS. 25% REDUCTION
- 4 HRS. 50% REDUCTION
- 4 HRS. 75% REDUCTION
- 6 HRS. 25% REDUCTION
- 6 HRS. 50% REDUCTION
- 6 HRS. 75% REDUCTION
- 8 HRS. 25% REDUCTION
- 8 HRS. 50% REDUCTION
- 8 HRS. 75% REDUCTION
- CUSTOM DIMMING SCHEDULE
- NONE

**LUMILOCK LED SPECIFICATIONS:**

- 80, 4000K (NEURAL) PHILIPS LUMILEDS LUXEON R LEDs, MIN. 70 COLOR RENDERING INDEX (CRI), >80,000 HRS. OF OPERATIONAL LIFE (AT 25 C AMBIENT TEMP. & 70% LUMEN MAINTENANCE), ALUMINUM CORE PCB, SEALED GLASS LENS, IP66 RATED, TYPE V LIGHT DISTRIBUTION.
- INTEGRAL PHILIPS ADVANCE XITANIUM LED DRIVER, CLASS 1, IP66 RATED, 350mA, 0-10V DIMMING, INTELLIVOLT 120-277 VAC, 50-60 Hz, RoHS COMPLIANT, FIELD REPLACEABLE 10dV/10kA SURGE SUPPRESSION.
- MANUFACTURED TO ISO 9001:2008 STANDARDS.

**NOTE:**  
FOR FOUNDATION SPECIFICATIONS  
SEE STANDARD 600.02

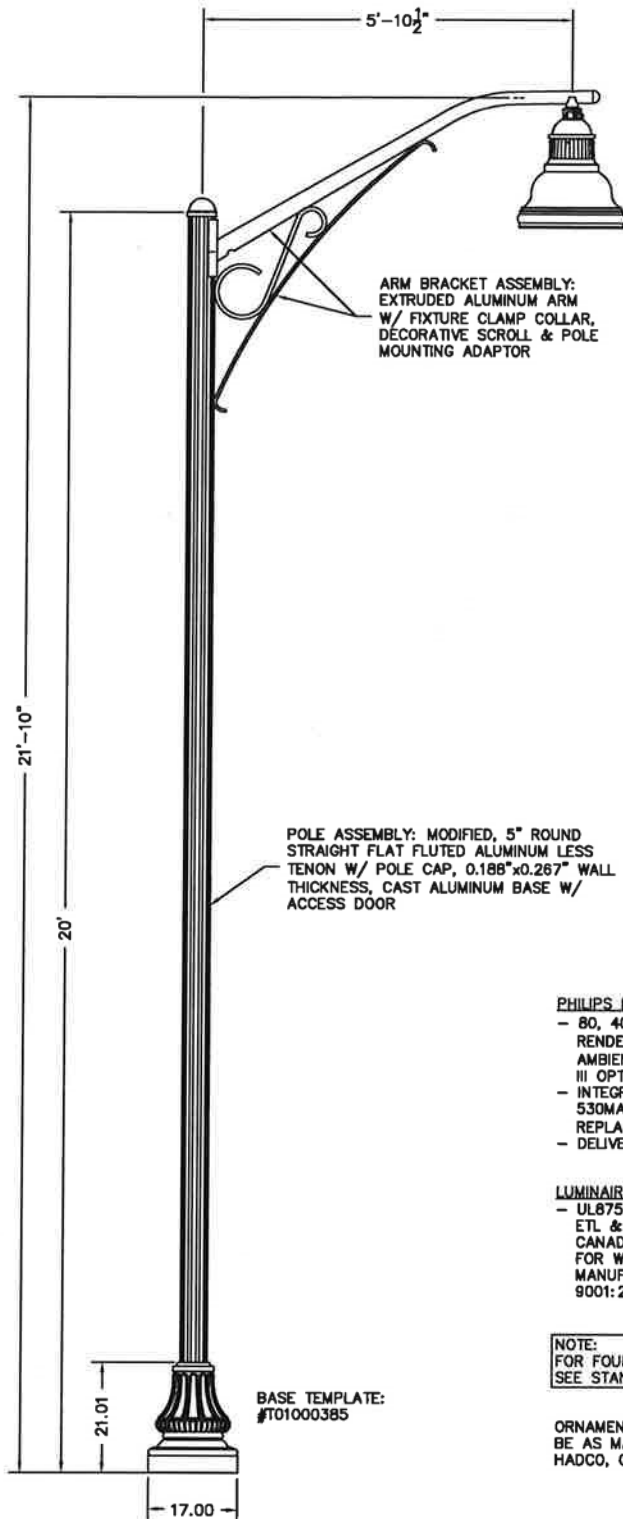
CITY OF  
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CITY ENGINEER

RESIDENTIAL ROAD  
ORNAMENTAL  
LIGHT FIXTURE

DATE 11/17/15  
SCALE NTS  
DWG. NO. STD60004  
STD. NO. 600.04

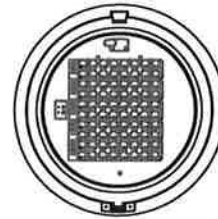
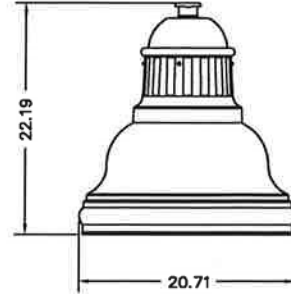
NOTICE:  
THIS DRAWING IS FOR REFERENCE ONLY. CHECK  
FOR LATEST REVISION PRIOR TO ORDERING



ARM BRACKET ASSEMBLY:  
EXTRUDED ALUMINUM ARM  
W/ FIXTURE CLAMP COLLAR,  
DECORATIVE SCROLL & POLE  
MOUNTING ADAPTOR

POLE ASSEMBLY: MODIFIED, 5" ROUND  
STRAIGHT FLAT FLUTED ALUMINUM LESS  
TENON W/ POLE CAP, 0.188"x0.267" WALL  
THICKNESS, CAST ALUMINUM BASE W/  
ACCESS DOOR

BASE TEMPLATE:  
#T01000385



MOUNTING:  
X CAST NECK  
\_ THREADED  
PIPE

COLOR:  
X BLACK  
\_ WHITE  
\_ VERDE  
\_ BRONZE  
\_ GRAY

DIMMING CONTROL:  
\_ 4 HRS 25% REDUCTION  
\_ 4 HRS 50% REDUCTION  
\_ 4 HRS 75% REDUCTION  
\_ 6 HRS 25% REDUCTION  
\_ 6 HRS 50% REDUCTION  
\_ 6 HRS 75% REDUCTION  
\_ 8 HRS 25% REDUCTION  
\_ 8 HRS 50% REDUCTION  
\_ 8 HRS 75% REDUCTION  
\_ CUSTOM DIMMING  
SCHEDULE  
X NONE

OPTIONS:  
X FLUTED SPINNING  
\_ NONE

**PHILIPS LEDGINE SPECIFICATIONS:**

- 80, 4000K (NEUTRAL) PHILIPS LUMILEDS LUXEON T LEDS, TYPICAL 75 COLOR RENDERING INDEX (CRI), >100,000 HOURS OF OPERATIONAL LIFE (AT 25°C AMBIENT TEMPERATURE & 70% LUMAN MAINTENANCE), INJECTION MOLDED TYPE III OPTICAL PLATES, IP66 RATED LED MODULE.
- INTEGRAL PHILIPS ADVANCE XITANIUM LED DRIVER, CLASS 1, IP66 RATED, 530MA, INTELLIVOLT 120-277 VAC, 50-60 HZ, ROHS COMPLIANT, FIELD REPLACEABLE 10KV/10KA SURGE SUPPRESSION.
- DELIVERED LUMENS: 14027, WATTAGE: 127W.

**LUMINAIRE CERTIFICATIONS:**

- UL8750 & UL1598 COMPLIANT, ETL & CETL LISTED TO U.S. & CANADIAN SAFETY STANDARDS FOR WET LOCATIONS, MANUFACTURED TO ISO 9001:2008 STANDARDS.

NOTE:  
FOR FOUNDATION SPECIFICATIONS  
SEE STANDARD 600.02

ORNAMENTAL LIGHT FIXTURE SHALL  
BE AS MANUFACTURED BY PHILIPS  
HADCO, OR APPROVED SUBSTITUTE

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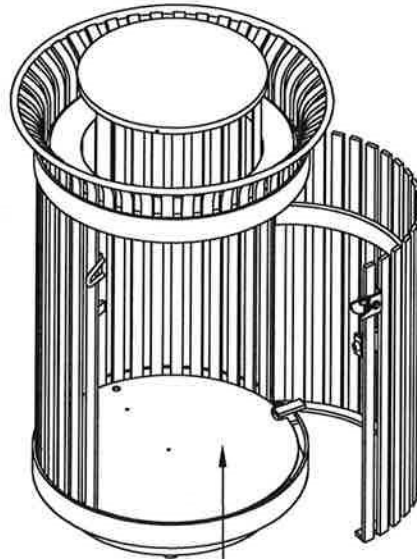
APPROVED  
1/2/18  
DATE  
*Amanda Pollack*  
CITY ENGINEER

COLLECTOR ROAD  
ORNAMENTAL  
LIGHT FIXTURE

DATE 5/30/06  
SCALE NONE  
DWG. NO. STD60005  
STD. NO. 600.05

# VS SD-42 RECEPTACLE

36-GALLON  
CAPACITY HIGH  
DENSITY PLASTIC  
LINER (WEIGHT NOT  
TO EXCEED 6 LBS)



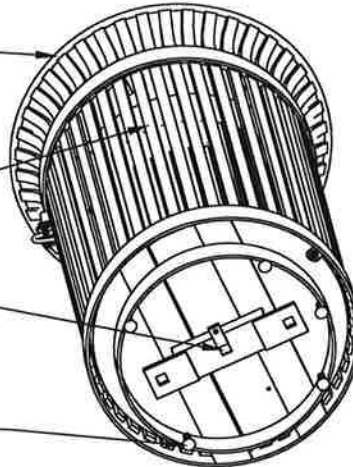
ABS PLASTIC BOTTOM  
PLATE COVER SITS ON TOP  
OF 1/4" x 2" SUPPORT BARS

5/8" SOLID STEEL  
TOP RING

3/8" x 1" VERTICAL  
STEEL BARS

3/4" SQUARE ANCHOR  
BOLT HOLES

LEVELING FEET  
WITH A 3/8" Ø  
THREADED STEEL  
SHAFT



## NOTES:

1. PROVIDE TRASH RECEPTACLE MODEL SD-42 IRONSITES COLLECTION™ WITH RAIN BONNET LID (NO ASHTRAY). BY VICTOR STANLEY:  
VICTOR STANLEY, P.O. DRAWER 330, 2103 BRICKHOUSE ROAD, DUNKIRK, MD 20754  
PH: 301-855-8300, FX: 410-257-7579  
WWW.VICTORSTANLEY.COM
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. FRAME COLOR: BLACK; SLAT COLOR: BLACK; DECALS: STANDARD RECYCLE DECALS FOR TOP BAND
4. FINISH: POWDER COAT
5. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C.

- POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
6. ALL FASTENERS TO BE STAINLESS STEEL AND TAMPER RESISTANT
  7. ASHTRAY TO BE ECOLAD CIGARETTE WASTE CONTAINER ECO1601. TO BE INSTALLED ON TRASH RECEPTACLES ONLY. HOLES THROUGH THE TRASH RECEPTACLES TO BE PRE-DRILLED BY VICTOR STANLEY. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF HOW IT IS FASTENED TO THE TRASH RECEPTACLE WITHOUT DAMAGING THE FINISH ON THE RECEPTACLES.

CITY OF  
SALISBURY  
SALISBURY, MD

APPROVED

1/2/18

DATE

Amenda Pollack  
CITY ENGINEER

STANDARD TRASH  
RECEPTACLE

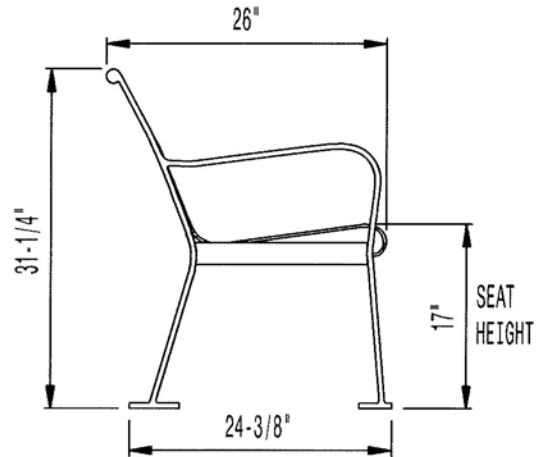
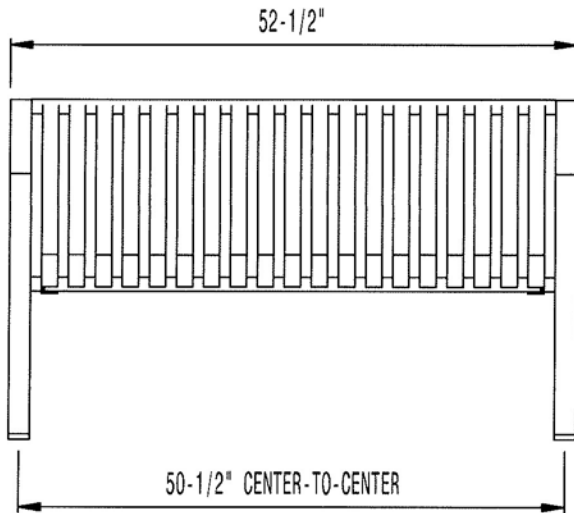
DATE 01/24/17

SCALE N.T.S.

DWG NO STD60006

STD NO 600.06

# VS RB-28 BENCH

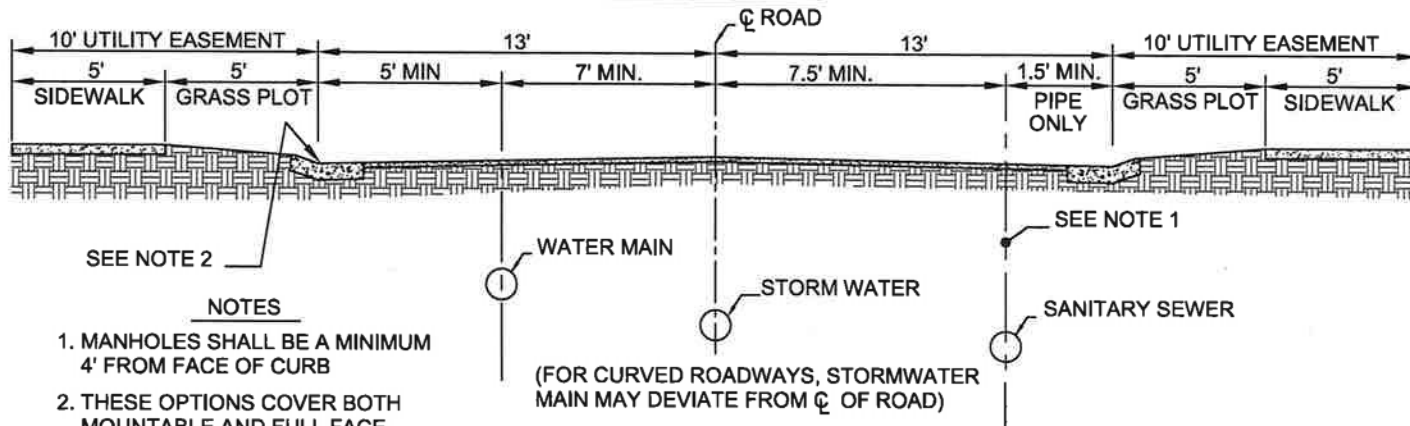


**NOTES:**

1. PROVIDE BENCH MODEL RB-28, STEELSITES™ RB COLLECTION, 4' LENGTH, VERTICAL, STEEL SLATS. BY VICTOR STANLEY:  
 VICTOR STANLEY  
 P.O. DRAWER 330  
 2103 BRICKHOUSE ROAD  
 DUNKIRK, MD 20754  
 PH: 301-855-8300  
 FX: 410-257-7579  
 WWW.VICTORSTANLEY.COM
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. FRAME COLOR: BLACK; SLAT COLOR: BLACK
4. FINISH: POWDER COAT
5. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
6. ALL FASTENERS TO BE STAINLESS STEEL AND TAMPER RESISTANT

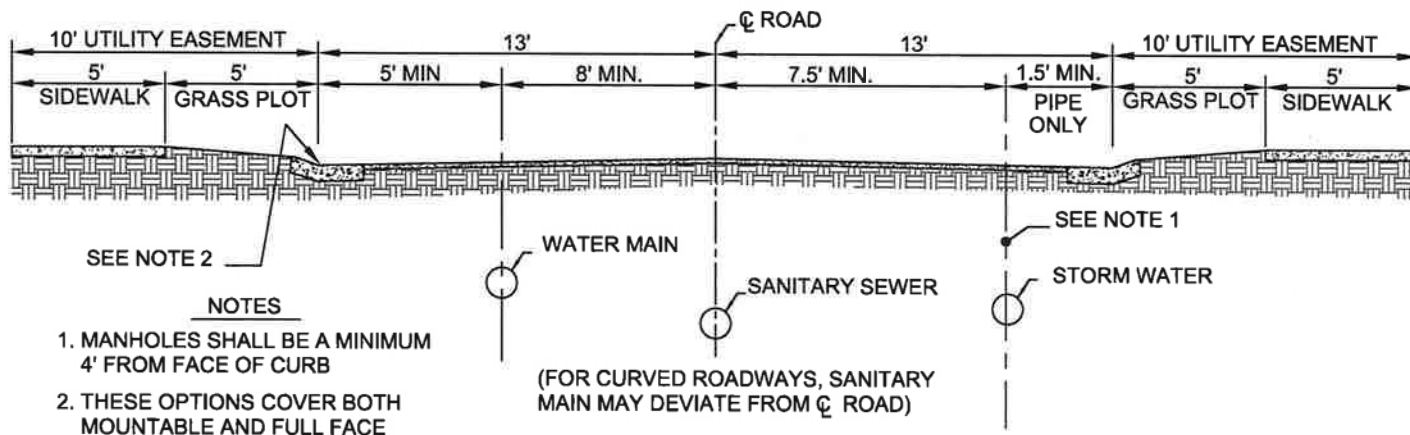
CITY OF SALISBURY SALISBURY, MD	APPROVED 12/28/18 DATE	STANDARD BENCH	DATE 01/24/17
	 CITY ENGINEER		SCALE N.T.S.
			DWG NO STD60007
			STD NO 600.07

### OPTION A



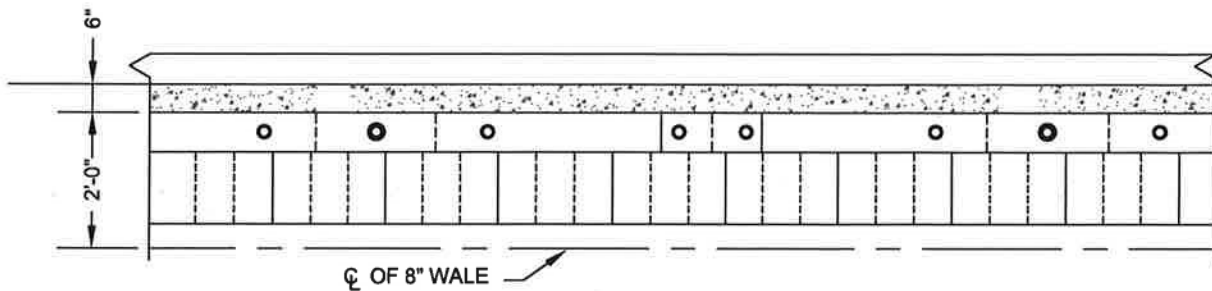
- NOTES**
1. MANHOLES SHALL BE A MINIMUM 4' FROM FACE OF CURB
  2. THESE OPTIONS COVER BOTH MOUNTABLE AND FULL FACE CURB CONSTRUCTION.

### OPTION B

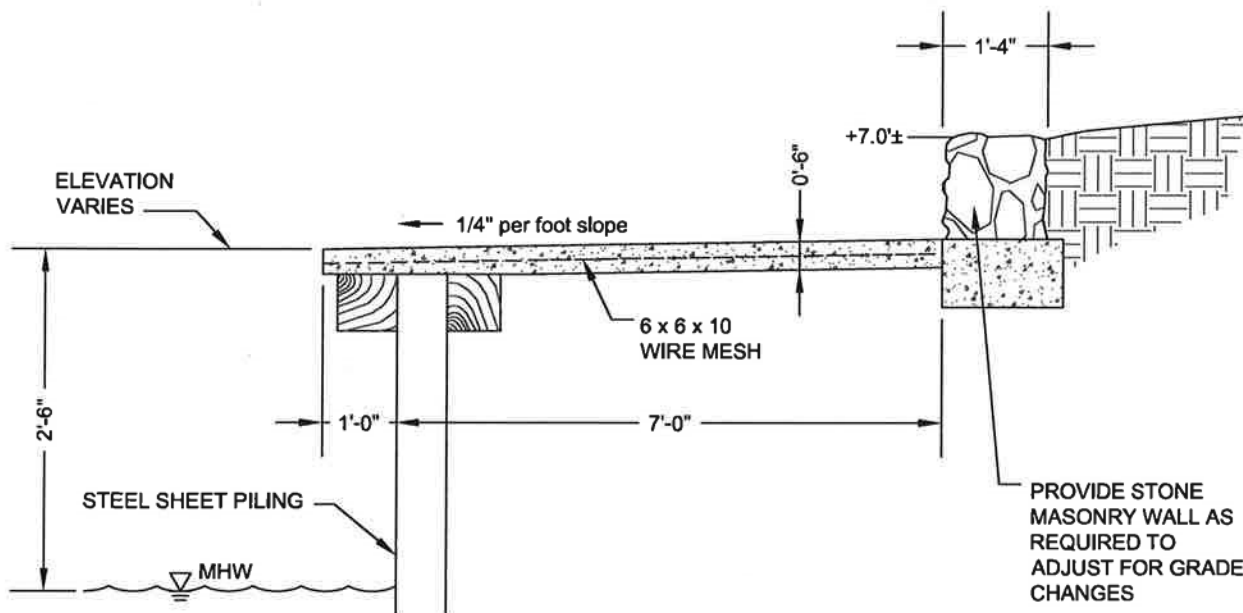


- NOTES**
1. MANHOLES SHALL BE A MINIMUM 4' FROM FACE OF CURB
  2. THESE OPTIONS COVER BOTH MOUNTABLE AND FULL FACE CURB CONSTRUCTION.

<p><b>CITY OF SALISBURY</b> <b>SALISBURY, MD</b></p>	<p>APPROVED</p> <p><i>1/2/18</i></p> <p>DATE</p> <p><i>Amanda Pollack</i></p> <p>CITY ENGINEER</p>	<p><b>SAMPLE UTILITY SEPARATION</b> <b>TYPICAL 26' LOCAL STREET</b></p>	<p>DATE 11/08/2006</p>
			<p>SCALE NONE</p>
			<p>DWG NO. STD60009</p>
			<p>STD. NO. 600.09</p>



**ELEVATION**



**CROSS SECTION**

**NOTES:**

1. RIVERWALK SURFACE SHALL BE STAMPED, COLORED CONCRETE. THE SURFACE SHALL HAVE A FORMED WOOD GRAIN TEXTURE AND THE CONCRETE SHALL BE COLORED GRAY. THE WOOD GRAIN PATTERN SHALL AS BE CLASSIC WOOD TEXTURE MAT, FM-8700 S/O MANUFACTURED BY BRICKFORM, SOLOMON COLORS, INC. OR APPROVED EQUIVALENT
2. BENCHES AND TRASH RECEPTACLES SHALL BE PLACED AT A MAXIMUM OF EVERY 200 FEET ALONG THE LENGTH OF THE RIVERWALK. AT A MINIMUM, EACH PROPERTY SHOULD HAVE ONE BENCH AND ONE TRASH RECEPTACLE. BENCHES AND TRASH RECEPTACLES SHALL MEET CITY STANDARDS 600.06 AND 600.07.
3. LIGHTING SHALL BE PROVIDED PER CITY STANDARD 600.01.

CITY OF  
SALISBURY  
SALISBURY, MD

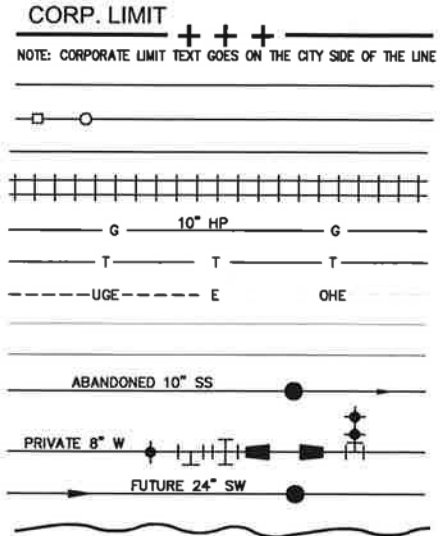
APPROVED  
*1/2/18*  
*Amanda Pollack* DATE  
CITY ENGINEER

**RIVERWALK**

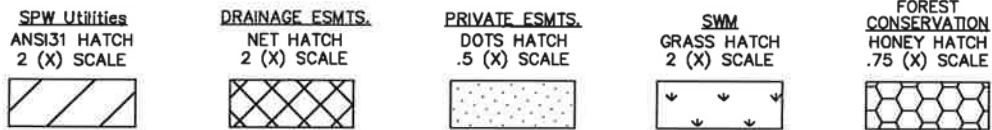
DATE	6/18/15
SCALE	NONE
DWG. NO.	STD60012
STD. NO.	600.12

MISCELLANEOUS

- CORPORATE LIMIT
- EASEMENT LINE
- PROPERTY LINE W/BOUNDARY MARKERS
- EDGE OF PAVEMENT
- RAILWAYS
- GAS MAINS
- TELEPHONE
- ELECTRIC: UNDERGROUND, OVERHEAD
- DITCH LINE/BOTTOM OF DITCH
- TOP OF BANK/DITCH
- ABANDONED, PRIVATE, FUTURE (SAN.) SEWER
- ABANDONED, PRIVATE, FUTURE WATER
- ABANDONED, PRIVATE, FUTURE STORMWATER
- HYDROGRAPHY (RIVERS & PONDS)

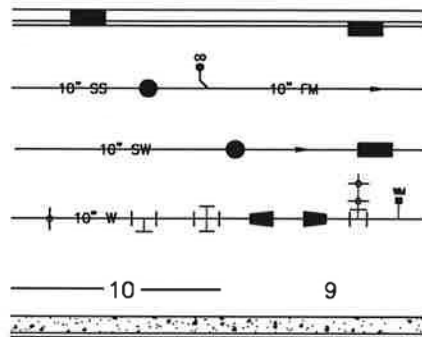


HATCH PATTERNS



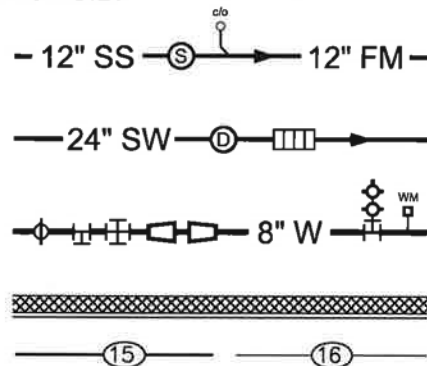
EXISTING WORK

- INLETS, CURB TYPE, GRATING TYPE
- SANITARY SEWER, MANHOLE, CLEAN OUT, FORCE MAIN & FLOW ARROW
- STORM WATER DRAIN, MANHOLE & FLOW ARROW
- WATER MAIN, VALVE, TEE, CROSS, INCREASER, REDUCER, FIRE HYDRANT & WATER METERS
- GRADES/CONTOUR LINES (INDEX, INTERMEDIATE)
- CURB & SIDEWALK



PROPOSED / NEW WORK / AS-BUILT

- SANITARY SEWER, MANHOLE, CLEAN OUT, FLOW ARROW & FORCE MAIN
- STORM WATER DRAIN, MANHOLE GRATE INLET & FLOW ARROW
- WATER MAIN, VALVE, TEE, CROSS, INCREASER, REDUCER, FIRE HYDRANT & WATER METER
- CURB & SIDEWALK
- GRADES/CONTOUR LINES (INDEX, INTERMEDIATE)



CITY OF SALISBURY  
SALISBURY, MD

APPROVED  
1/2/18  
Amanda Pollack  
CITY ENGINEER

CAD STANDARDS  
FOR CONTRACT DRAWINGS

DATE 4/05/99  
SCALE NONE  
DWG. NO. STD60021  
STD. NO. 600.21