

STORM



City of North Salt Lake Storm Water Standards Manual

September 2025





City of North Salt Lake
10 East Center Street
North Salt Lake City, Utah 84054
Phone 801.335.8700
www.nslcity.gov



City of North Salt Lake

Storm Water Department Specification Manual

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Construction Information

Pre Construction

- All connections, extensions or alterations to a storm drain system owned by North Salt Lake City must be approved in advance by the Public Works Director or designee in accordance with North Salt Lake City Code.
- Before working within North Salt Lake City street right-of-way, the contractor must get an approved excavation permit.
- A preconstruction meeting must be held before construction can begin. The meeting will be scheduled by North Salt Lake and shall include appropriate North Salt Lake City personnel, developer, developer's contractor(s) supplier(s), and anyone else deemed necessary.
- A signed copy of the Storm Water Pollution Prevention Plan (SWPPP) is required on all construction sites that will disturb one or more acres of land, or will disturb less than one acre of land but are part of a common plan of development or sale that will ultimately disturb one or more acres of land; or a projects discharges have been designated by the City of North Salt Lake as needing a Storm Water Pollution Prevention Plan (SWPPP).

The city must receive and review:

- A signed copy of the NOI (Notice of Intent)
- A Signed copy of the SWPPP (Storm Water Pollution Prevention Plan)

These items must be submitted and reviewed by the City prior to any type of (building, excavating, grubbing/grading, etc.) permits are given.

- Guidelines on how to file the NOI, and how to prepare a SWPPP can be found at the link below

<https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits>

All other SWPPP related materials can be found on the North Salt Lake City website

- LID Manual
- BMP Manual
- SWPPP Preparation Checklist
- A storm water maintenance agreement must be completed and submitted to City of North Salt Lake before construction can begin.

Construction

- City of North Salt Lake must be given 48 hour advance notification of when work is to begin.
- North Salt Lake City personnel will inspect all work being performed and nothing shall be buried until approved by an authorized inspector. North Salt Lake City maps all new construction with a global positioning system (GPS) and any storm water infrastructure buried before inspection and documentation will be uncovered by the contractor.
- North Salt Lake City personnel will require extended range ball markers be installed to help with future locating when deemed necessary by the Public Works Department. These ball markers will be provided by North Salt Lake City.
- When installing rigid storm drain pipe contractors will be required to install a manhole at every change of direction and change of grade of the pipe. When changing type or size of pipe contractor will also be required to install a manhole

- SWPPP inspections will be conducted by North Salt Lake personnel at a minimum of once a month unless conditions require more inspections
- North Salt Lake City personnel must be made aware of any construction site de-watering or pumping activities that will impact NSL storm drain system.
- Television inspection of all new and modified storm drain pipes and structures is required to be performed at the expense of the contractor. A video log of the new pipe must be submitted to the City.
- Maximum distance between inlets is 800 feet.
- Maximum distance between manholes is 400 feet.

Hydrant Meter Rentals for Construction Water

- The City of North Salt Lake offers hydrant meter rentals. Please call 801.335.8700 or fill out the application on nslcity.org.

Post Construction

- North Salt Lake City, Davis County Health Department and South Davis Metro Fire must give final approval before a Certificate of Occupancy can be issued.
- As built drawings must be submitted to North Salt Lake before a Certificate of Occupancy can be issued.
- Notice of Termination (NOT) must be filed upon completion of project prior to final SWPPP inspection and all BMP's must be removed.
- A final video inspection must be submitted to the Public Works Department before the release of any performance securities can occur.

Contact Information

Name	Title	Phone	Email
Josh Taylor	Public Works Inspector	801.335.0530	josht@nslcity.gov
Jason Boulton	Streets & Storm Water Superintendent	801.335.8682	jasonb@nslcity.gov



Material Specifications

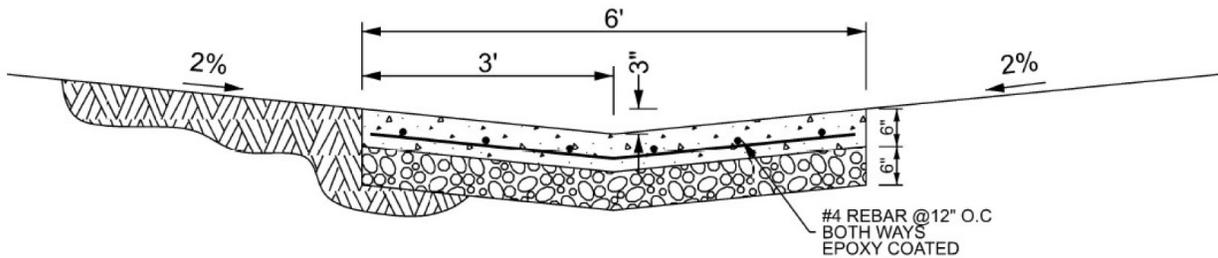
	RCP Required under all City right of way. With a minimum of 15" pipe. All RCP should be Class III or greater.
	PVC ASTM D 3034 (SDR 26) Only allow between 4" and 10" diameter.

	Manhole Covers City Logo version must be purchased through EJ Co.
	HDPE ASTM F 2306 (DR 21) Required in certain installations with City approval.

NOTE:

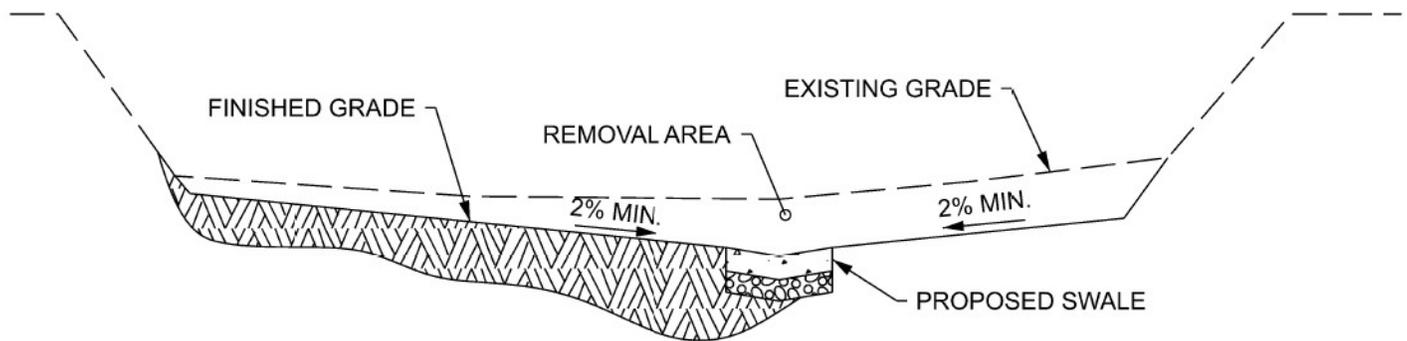
CURB OPENING FRAME AND GRATE ARE NOT PERMITTED IN THE NORTH SALT LAKE RIGHT-OF-WAY OR FOR ANY CONNECTION TO A PUBLIC STORM DRAIN PIPE.

Detention Basin Drawings



SWALE CROSS-SECTION (TYPICAL)

NTS



DETENTION BASIN CROSS-SECTION B-B

NTS

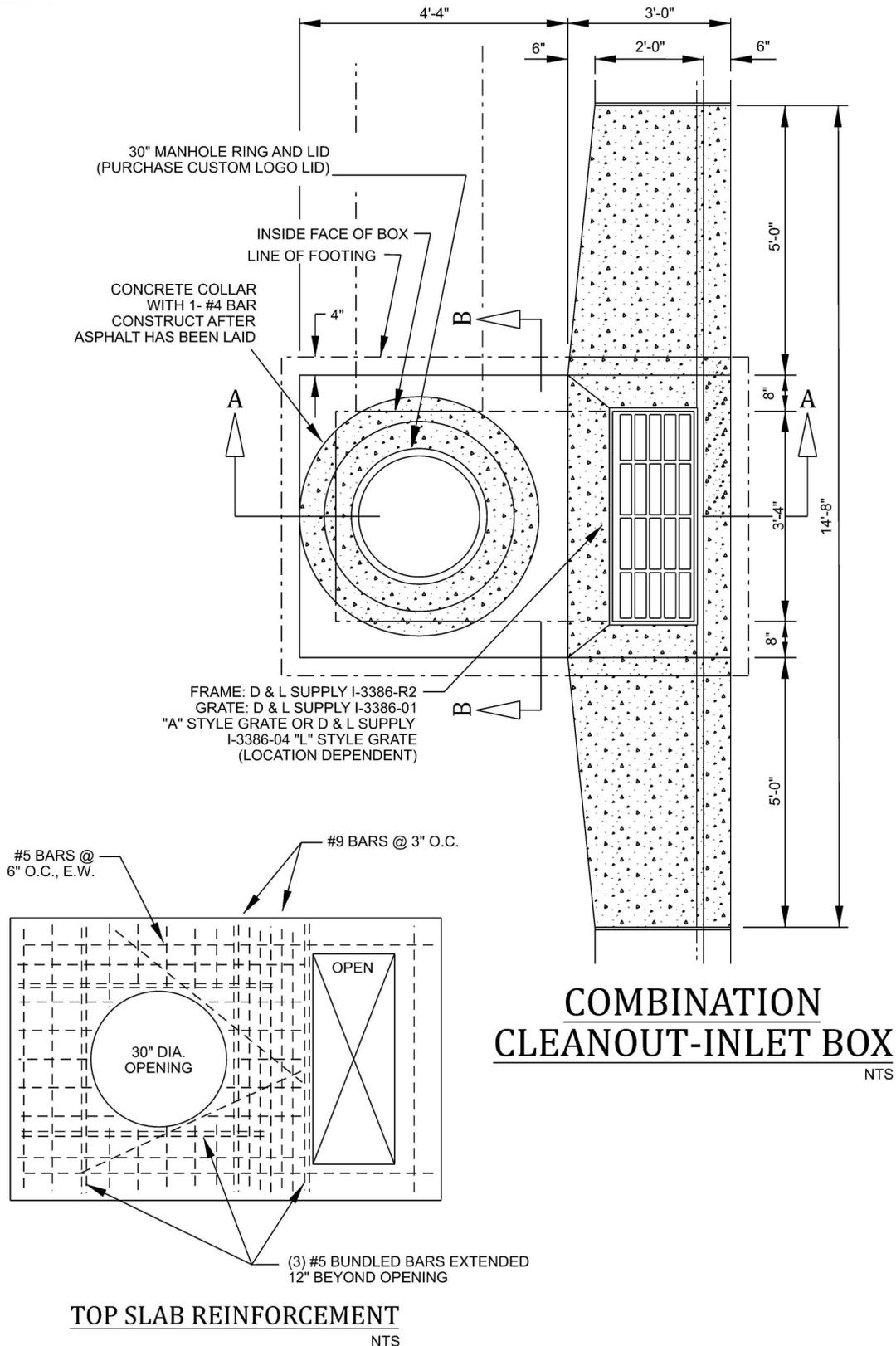
CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH SALT LAKE CITY STANDARDS AND SPECIFICATIONS.
2. EXISTING UTILITY LOCATIONS ARE NOT SHOWN. THIS DOES NOT IMPLY THE ABSENCE OF ANY UTILITIES. CONTACT BLUE STAKES PRIOR TO EXCAVATION.
3. THE CONTRACTOR IS REQUIRED TO CONTACT THE ENGINEER AT LEAST 24 HOURS PRIOR TO STARTING ANY PHASE OF CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE STREET FREE AND CLEAN OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM SITE.
5. THE CONTRACTOR SHALL ENSURE THAT EXISTING FACILITIES AND IMPROVEMENTS WITHIN THE CITY RIGHT OF WAY AND ON PRIVATE PROPERTY ARE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROJECT SAFETY.
7. ALL MATERIALS TO BE REMOVED (I.E. ASPHALT, CONCRETE, ETC.) SHALL BE HAULED AWAY AND DISPOSED OF IN A SAFE AND LEGAL MANNER BY THE CONTRACTOR



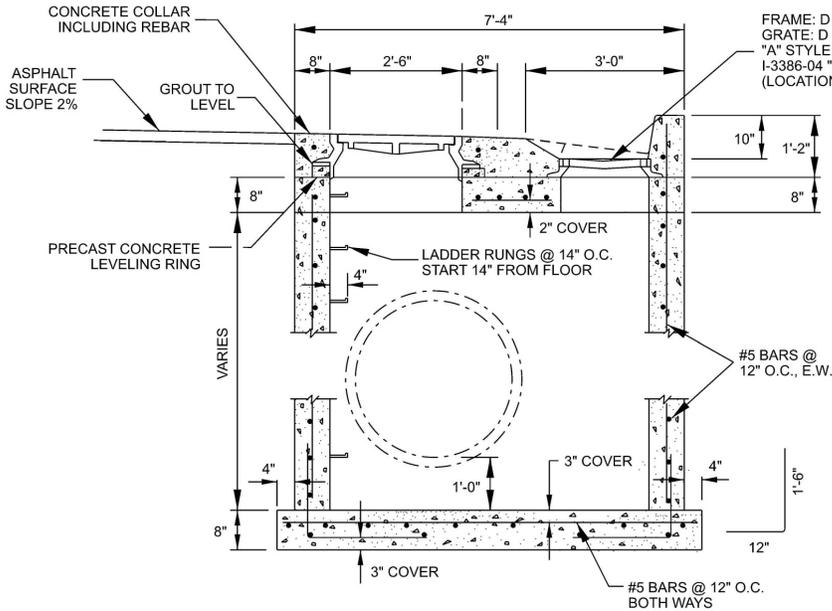
Installation

Cast-In-Place Storm Drain Cleanout and Combination Boxes

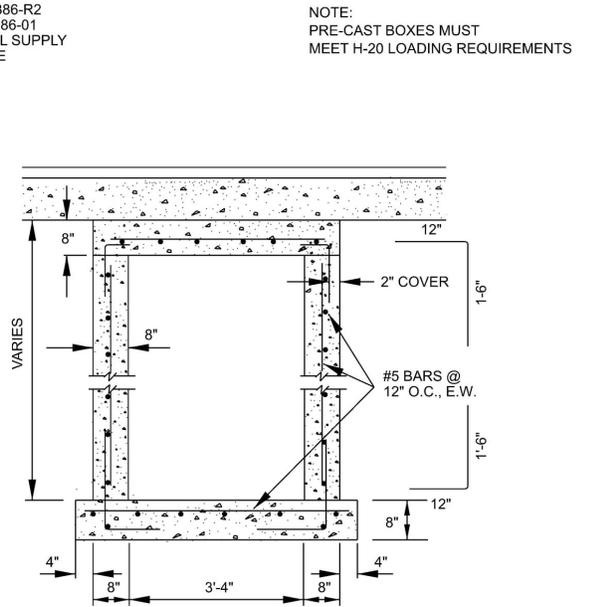


NOTE:

STANDARD PRECAST COMBINATION AND CLEANOUT BOXES ARE ACCEPTED, DETAILS PROVIDED ARE FOR REBAR REQUIREMENTS FOR CAST-IN-PLACE BOXES.

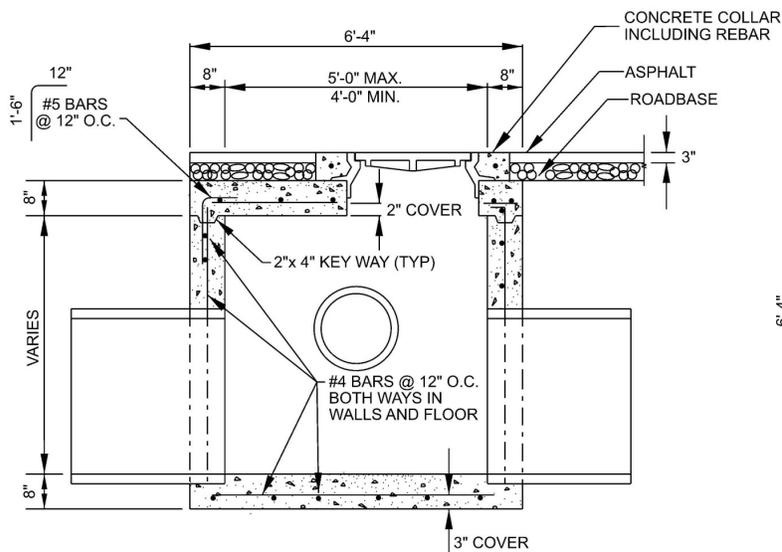


SECTION A-A

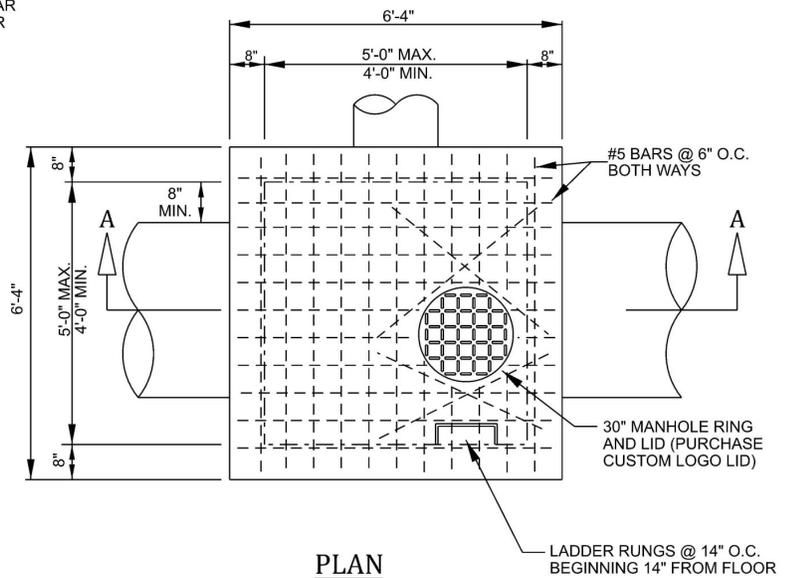


SECTION B-B

NOTE:
PRE-CAST BOXES MUST MEET H-20 LOADING REQUIREMENTS



SECTION A-A



PLAN

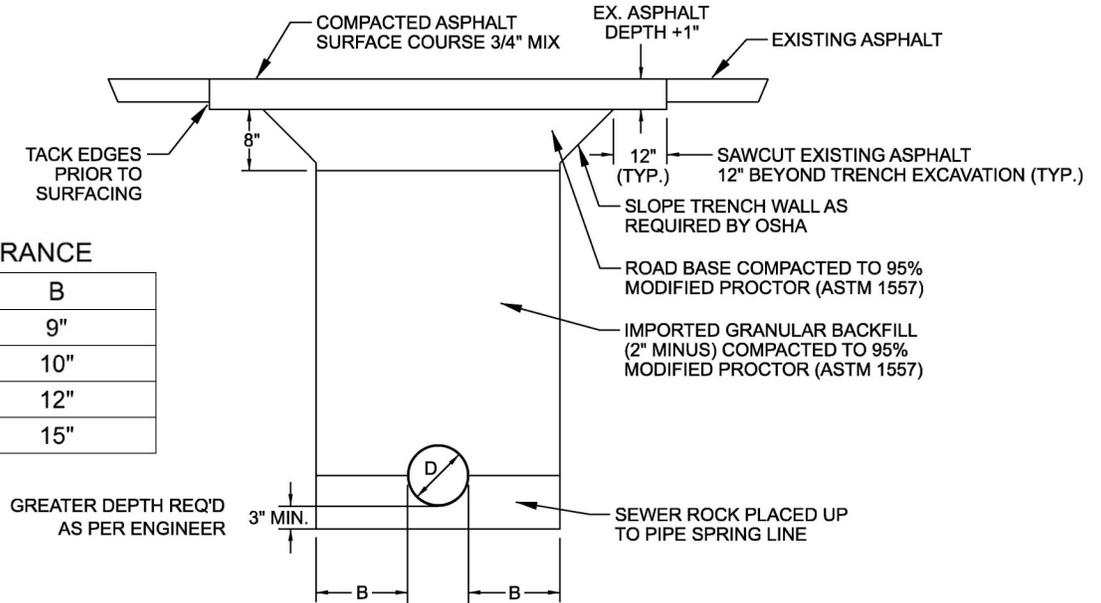
CLEANOUT BOX

NTS



Installation

Trench Sections & Junction Box



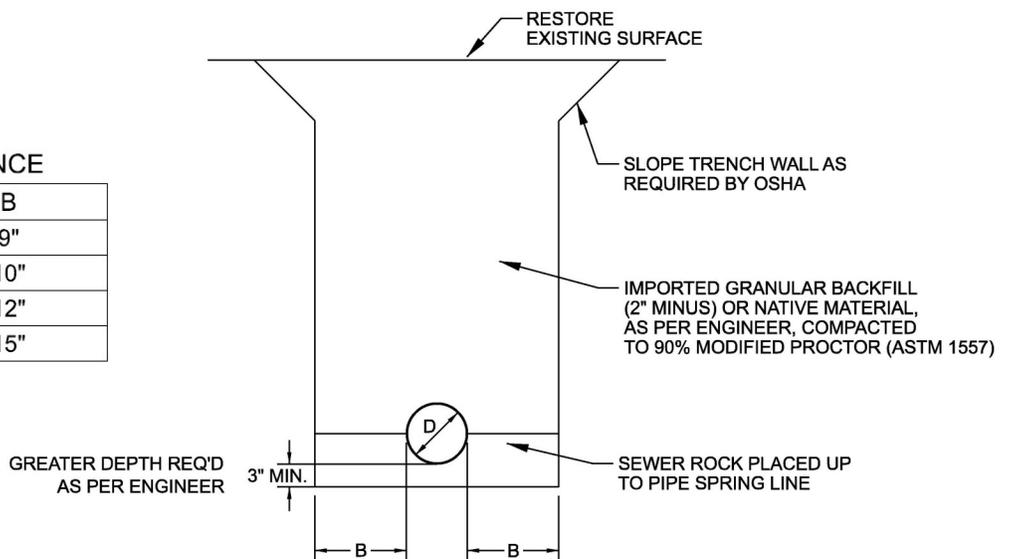
TRENCH - PIPE CLEARANCE

D	B
18" OR SMALLER	9"
21" TO 27"	10"
30" TO 48"	12"
54" OR LARGER	15"

GREATER DEPTH REQ'D
AS PER ENGINEER

STORM DRAIN TRENCH WITHIN CITY STREET RIGHT-OF-WAY

NTS



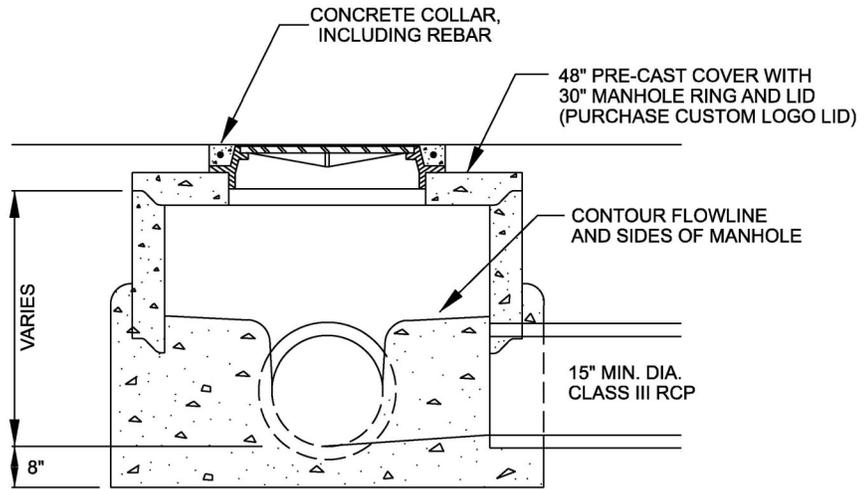
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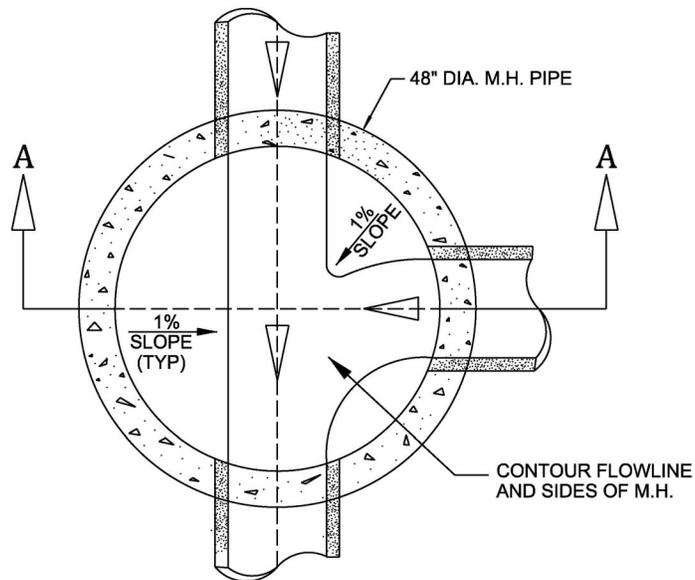
GREATER DEPTH REQ'D
AS PER ENGINEER

STORM DRAIN TRENCH OUTSIDE CITY STREET RIGHT-OF-WAY

NTS



SECTION A-A



PLAN

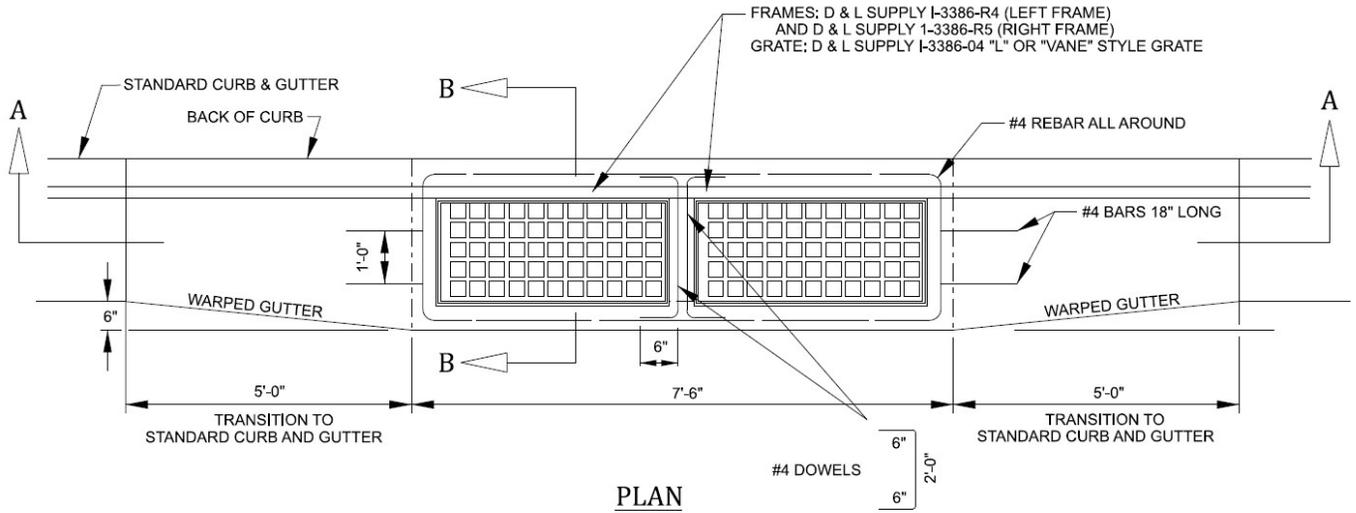
MANHOLE BASE

NTS



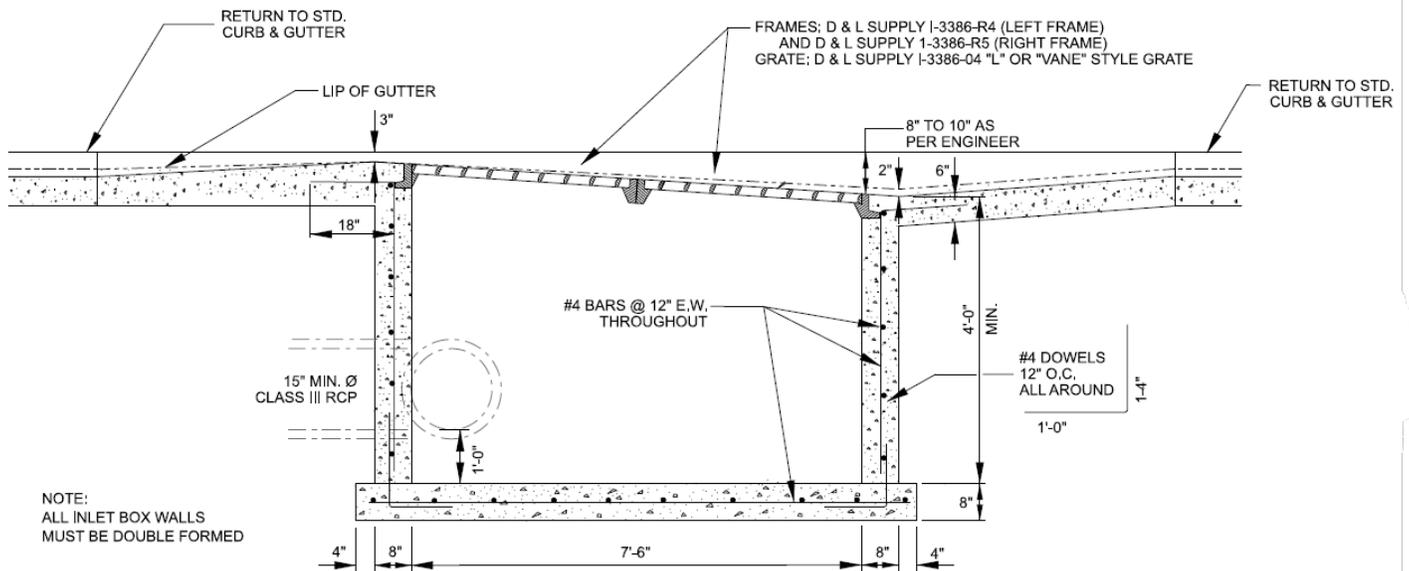
Installation

Cast-in-place Inlet Box in Sloped Street



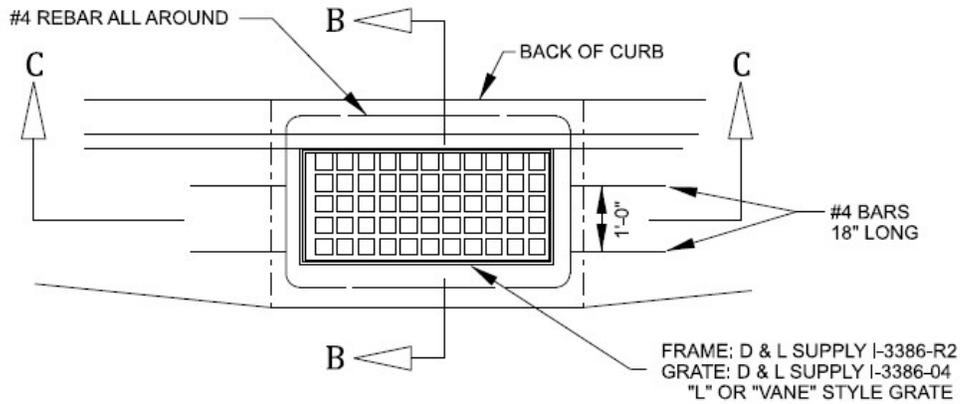
INLET BOX - TYPE I DOUBLE

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NOTE:

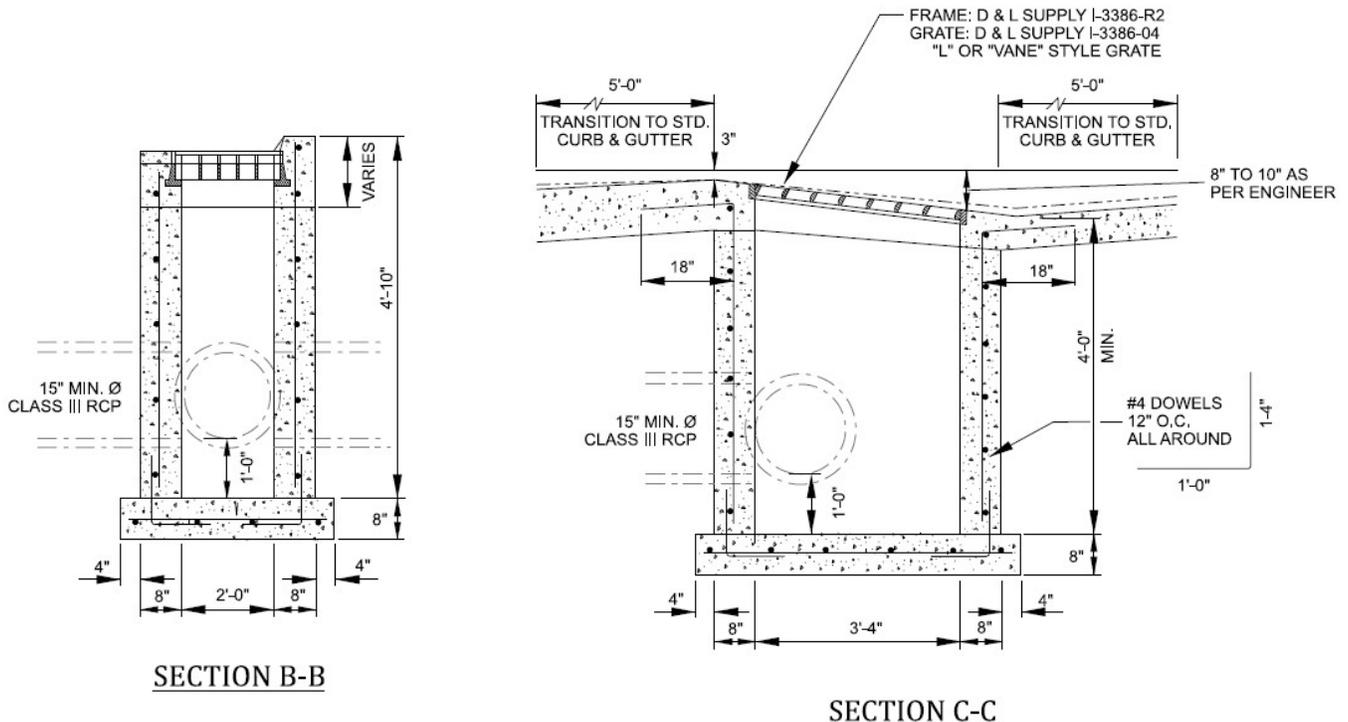
STANDARD PRECAST COMBINATION AND CLEANOUT BOXES ARE ACCEPTED, DETAILS PROVIDED ARE FOR REBAR REQUIREMENTS FOR CAST-IN-PLACE BOXES. ENSURE PROPOSED PRECAST BOXES WITH KNOCKOUTS ARE THE CORRECT SIZE TO ACCOMMODATE STORM DRAIN PIPE DIMENSIONS.



PLAN

INLET BOX - TYPE I SINGLE

NTS



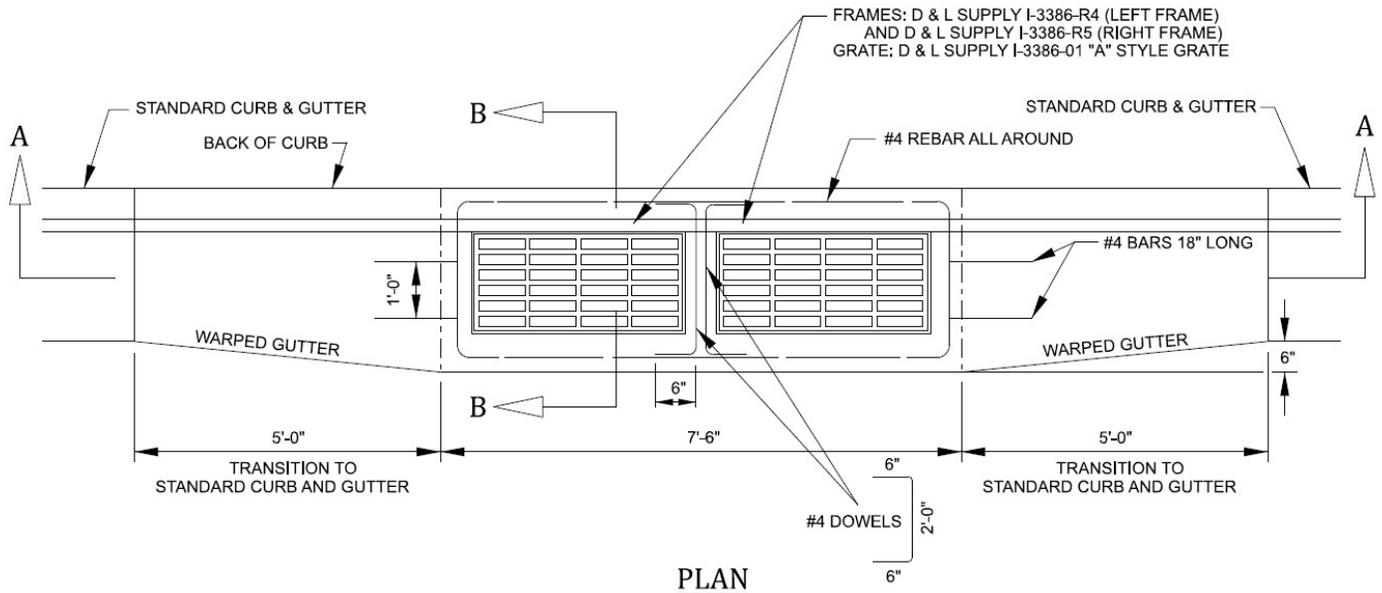
SECTION B-B

SECTION C-C

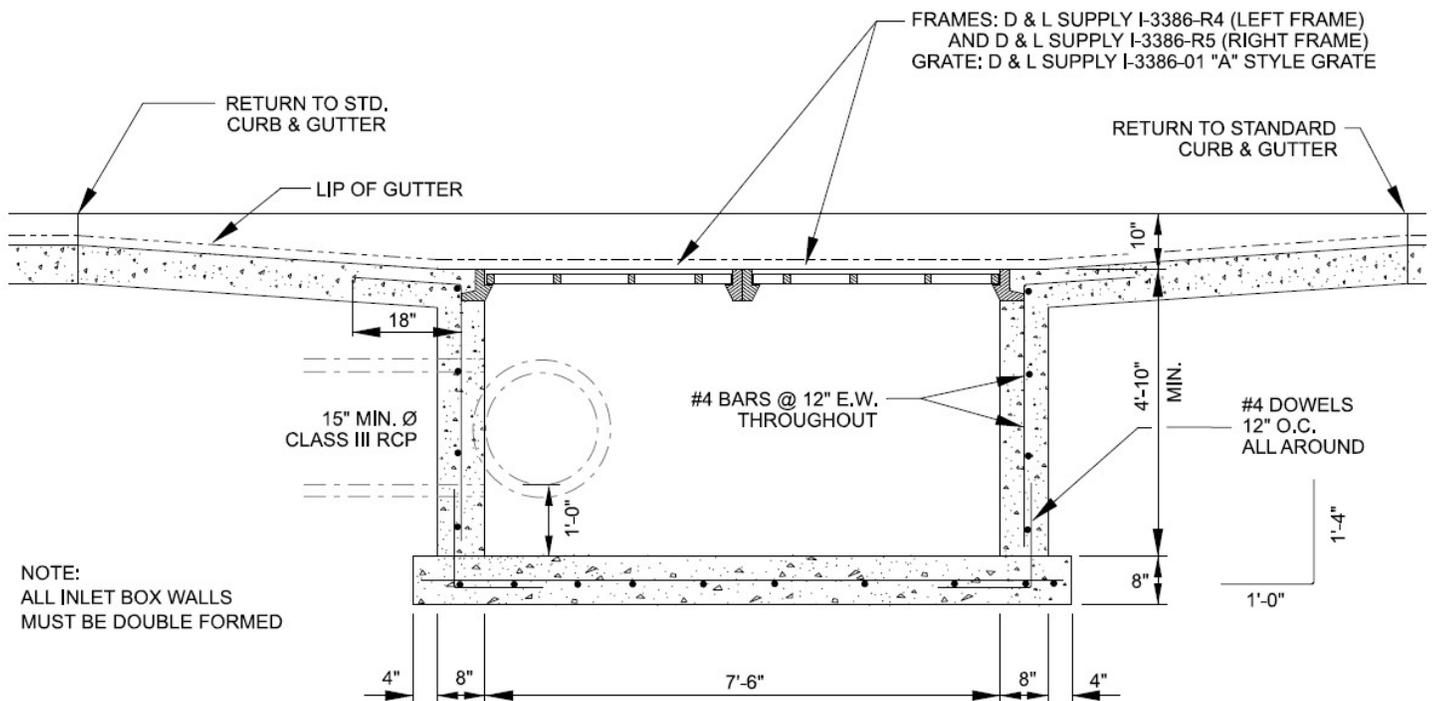


Installation

Cast-in-place Inlet Boxes in Low Point



INLET BOX - TYPE II DOUBLE
 NTS

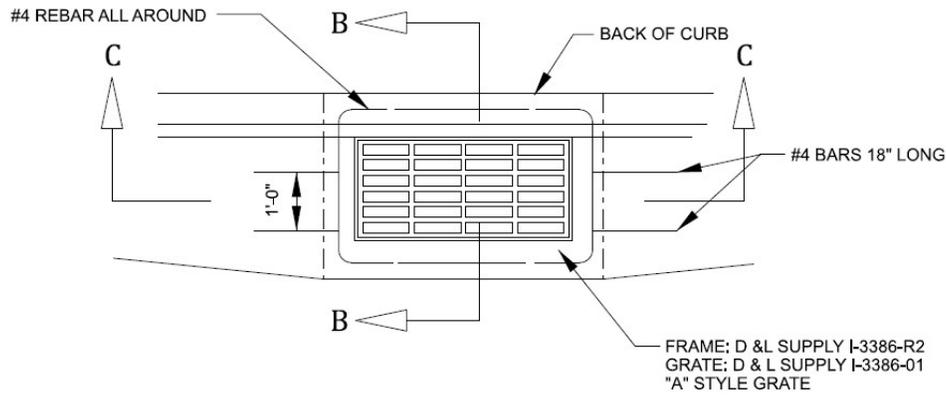


SECTION A-A

NOTE:
 ALL INLET BOX WALLS
 MUST BE DOUBLE FORMED

NOTE:

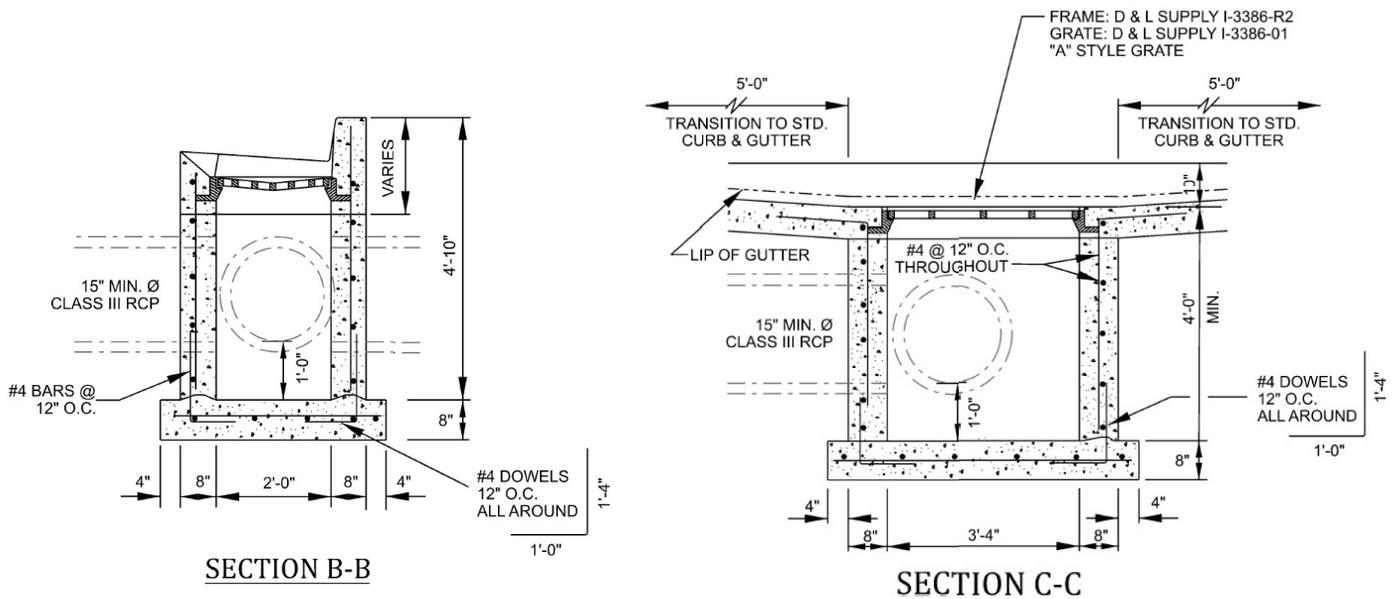
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PLAN

INLET BOX - TYPE II SINGLE

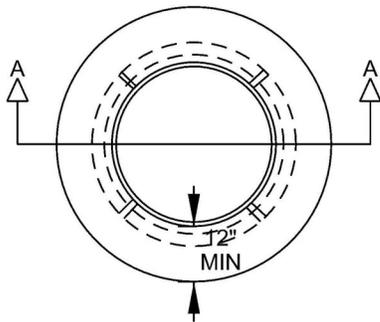
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Installation

Manhole Collar Section



MANHOLE PLAN VIEW

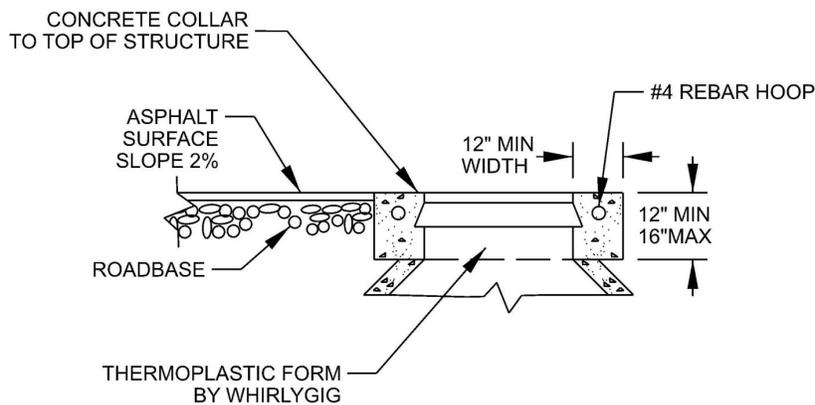
NTS

NOTE:

CONCRETE COLLARS ARE REQUIRED ON ALL MANHOLES IN STREETS, ROADWAYS & OTHER PAVED AREAS. CONSTRUCT CAST-IN-PLACE RISER/COLLAR WITH THERMOPLASTIC FORM BY WHIRLYGIG.

THE TOP OF THE CONE (WHICH MAY BE ADJUSTED AS NECESSARY WITH 1, 6-INCH CONCRETE GRADE RING) SHOULD BE NO LESS THAN 12 INCHES BELOW FINISHED GRADE AND NO MORE THAN 16 INCHES BELOW FINISHED GRADE. MULTIPLE GRADE RINGS ARE NOT PERMITTED.

EXCEPTIONS TO THE DEPTH OF COVER FOR STORM DRAIN MANHOLES DUE TO EXISTING CONFLICTING UTILITIES MAY BE APPROVED BY THE CITY ENGINEER OR PUBLIC WORKS INSPECTOR.



MANHOLE COLLAR SECTION A-A

NTS

NOTE: FOR SEWER MANHOLES

CURRENT SOUTH DAVIS SEWER DISTRICT DETAIL SHOULD BE CONSULTED FOR ALL SEWER MANHOLES.

SOUTH DAVIS SEWER DISTRICT	
CONCRETE COLLAR DETAIL	



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PUBLIC WORKS

