

CITY OF RUTLAND, VERMONT EASTERLY AVENUE STORMWATER IMPROVEMENTS

JULY, 2018

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INDEX OF DRAWINGS

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**ISSUED FOR 90% REVIEW
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PROJECT AREA

LOCATION MAP
SCALE: 1"=500'

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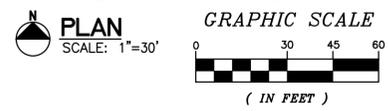
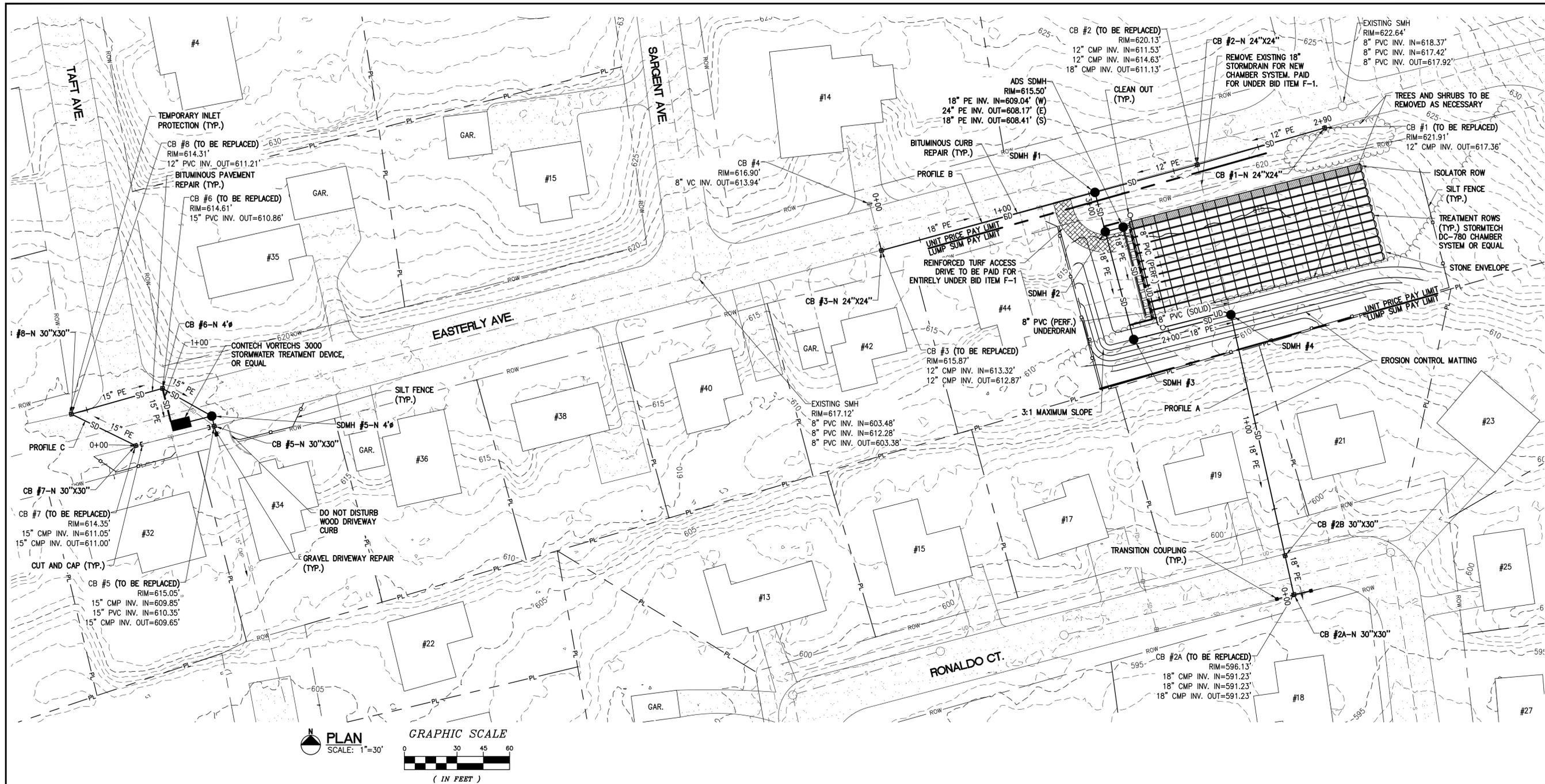
CITY OF RUTLAND, VERMONT

EASTERLY AVENUE STORMWATER IMPROVEMENTS

TITLE SHEET AND INDEX OF DRAWINGS

DESIGNED JAB/JSK	PROJECT NO. 17113
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- NOTES:**
- PROPERTY AND RIGHT OF WAY (ROW) LINES SHOWN ON THESE DRAWINGS WERE OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION (VCGI). THEY SHOW AN APPROXIMATION OF PROPERTY AND ROW LINES AS THEY RELATE TO THE PROJECT DETAILS BASED ON THE SOURCE REFERENCE INFORMATION. A+E DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION. THESE DRAWINGS SHALL NOT BE CONSTRUED AS A PROPERTY PLAT AND DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN 26 V.S.A. 2502(4).

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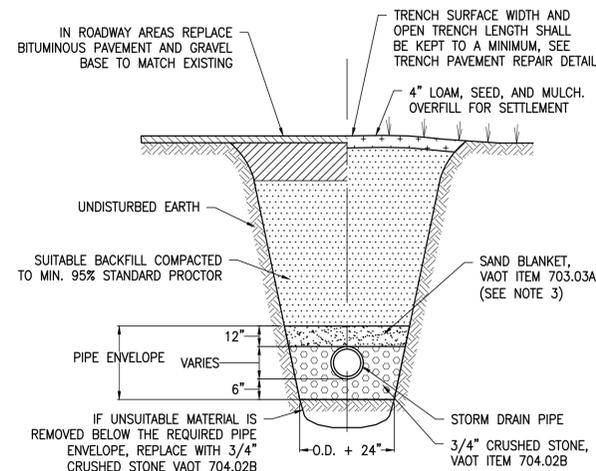
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EASTERLY AVENUE STORMWATER IMPROVEMENTS

EASTERLY AVENUE SITE PLAN

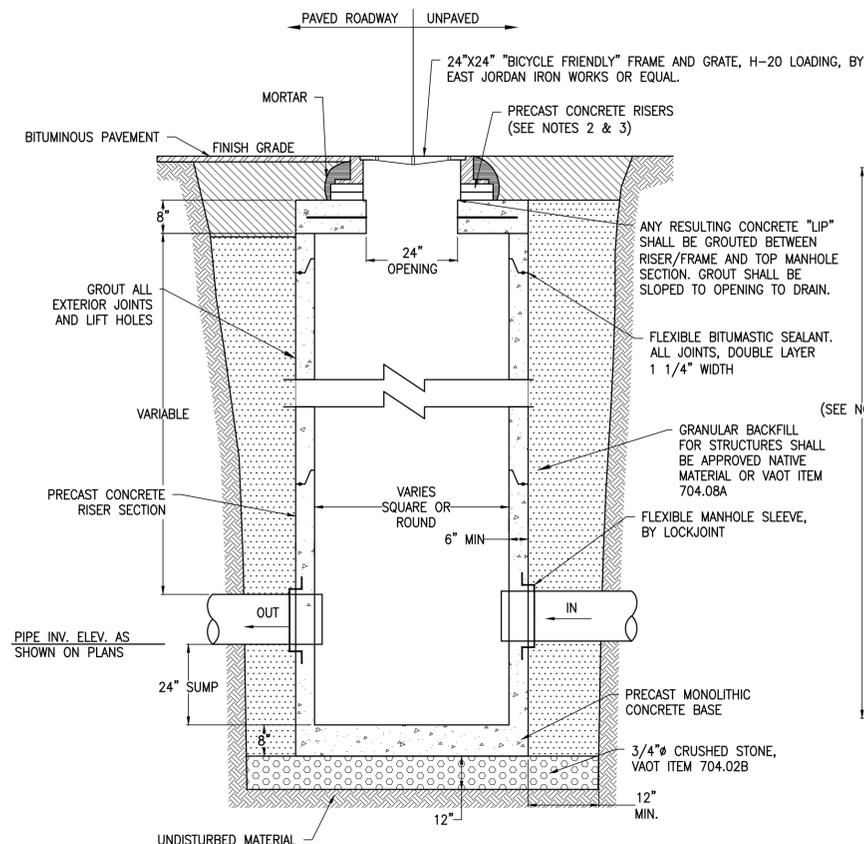
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CHECKED JAB	DATE JULY, 2018

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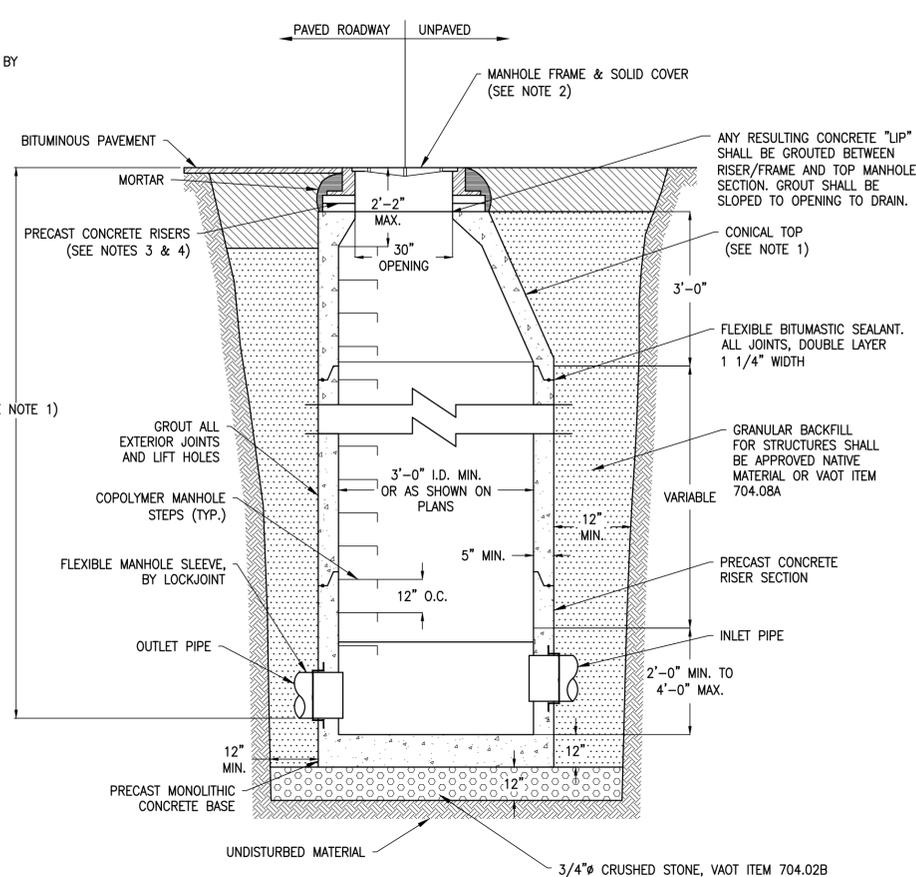
- NOTES:**
1. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PVC PIPE TO ENSURE PIPE IS NOT DAMAGED.
 2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 3. IN LIEU OF SAND BLANKET CONTRACTOR MAY USE 3/4" CRUSHED STONE OR SAND BORROW.

A
4 TYPICAL STORM DRAIN PIPE TRENCH DETAIL
 SCALE: NONE



- NOTES:**
1. CONTRACTOR SHALL USE A MINIMUM 3" PRECAST CONCRETE RISERS. RISERS SHALL BE MORTARED 5/8" THICK ON EXTERIOR SURFACE, AND SHALL BE A MINIMUM OF 12" HIGH. IN LIEU OF PRECAST CONCRETE RISERS CONTRACTOR MAY USE A MINIMUM OF TWO (2) AND A MAXIMUM OF SIX (6) COURSES OF RED DENSE HARD BURNED BRICK MORTARED 5/8" THICK ON EXTERIOR SURFACE.
 2. CONTRACTOR SHALL SIZE RISERS TO EXTEND A MINIMUM 1" BEYOND THE FRAME'S LIP FOR MORTAR.

B
4 TYPICAL CATCH BASIN DETAIL
 SCALE: NONE



- NOTES:**
1. IF DEPTH OF STORM DRAIN MANHOLE IS 7 FEET OR LESS FROM RIM TO CENTERLINE INVERT THEN A FLAT TOP SHALL BE INSTALLED IF DEPTH OF STORM DRAIN MANHOLE FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FEET THEN A CONICAL TOP SHALL BE INSTALLED.
 2. PROVIDE MANHOLE FRAME AND SOLID COVER, STAMPED "STORM" IN TOP OF COVER, BY EAST JORDEN IRON WORKS NEENAH, OR EQUAL.
 3. CONTRACTOR SHALL USE A MINIMUM 3" PRECAST CONCRETE RISERS. RISERS SHALL BE MORTARED 5/8" THICK ON EXTERIOR SURFACE, AND SHALL BE A MINIMUM OF 12" HIGH. IN LIEU OF PRECAST CONCRETE RISERS CONTRACTOR MAY USE A MINIMUM OF TWO (2) AND A MAXIMUM OF SIX (6) COURSES OF RED DENSE HARD BURNED BRICK MORTARED 5/8" THICK ON EXTERIOR SURFACE.
 4. CONTRACTOR SHALL SIZE RISERS TO EXTEND A MINIMUM 1" BEYOND THE FRAME'S LIP FOR MORTAR.

C
4 TYPICAL STORM DRAIN MANHOLE DETAIL
 SCALE: NONE

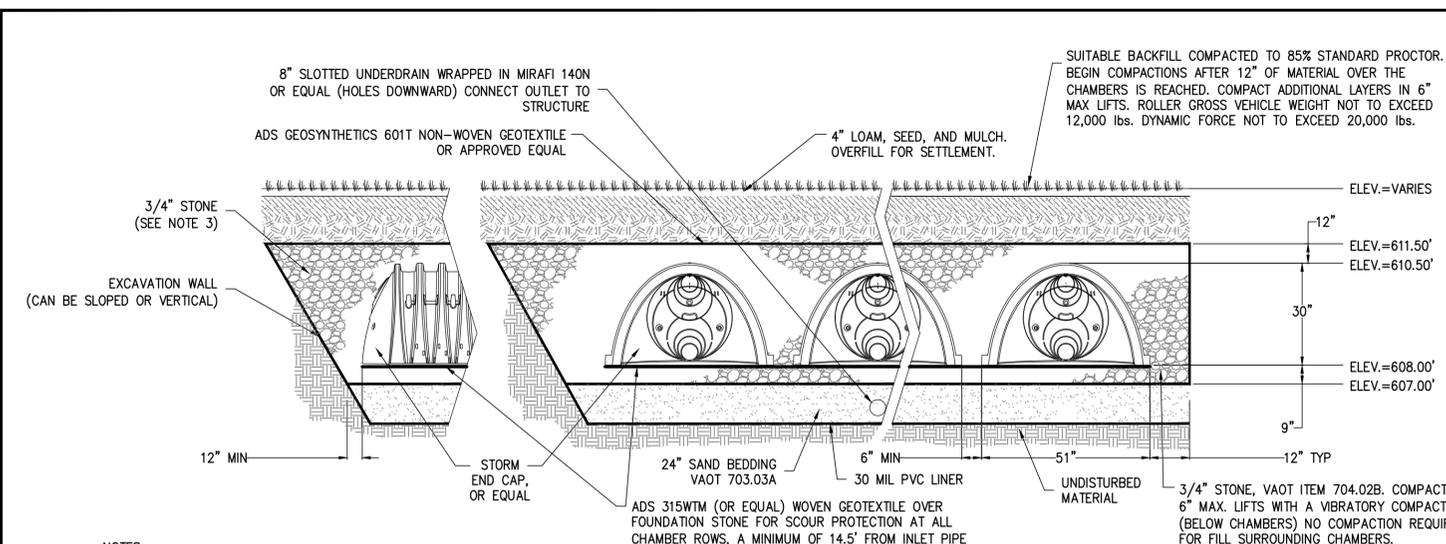
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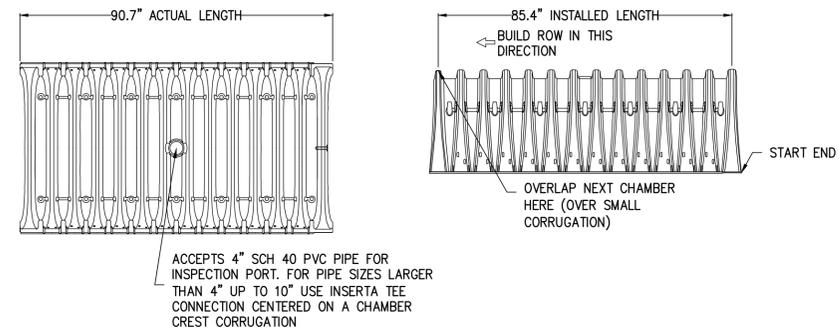
EASTERLY AVENUE STORMWATER IMPROVEMENTS

STORMWATER DETAILS I

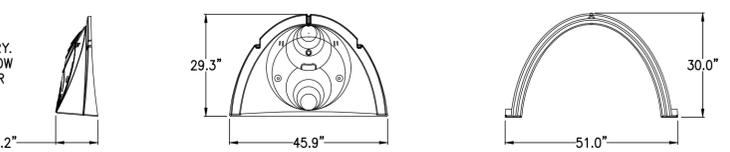
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CHECKED JAB	DATE JULY, 2018



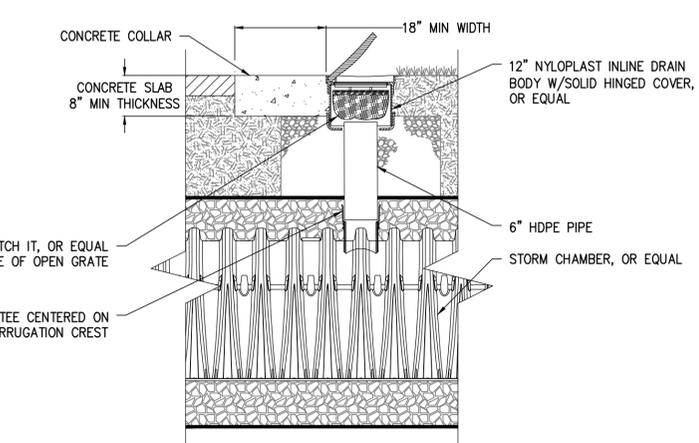
- NOTES:**
- STORM CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - STORM CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - 3/4" STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - SEE SPECIFICATIONS FOR STORM CHAMBER CAPACITY CRITERIA.



- NOTES:**
- CHAMBER END CAP PENETRATION LOCATIONS VARY. SEE PLANS FOR ISOLATOR ROW AND TREATMENT ROW HEADER ELEVATIONS AND PIPE SIZES.

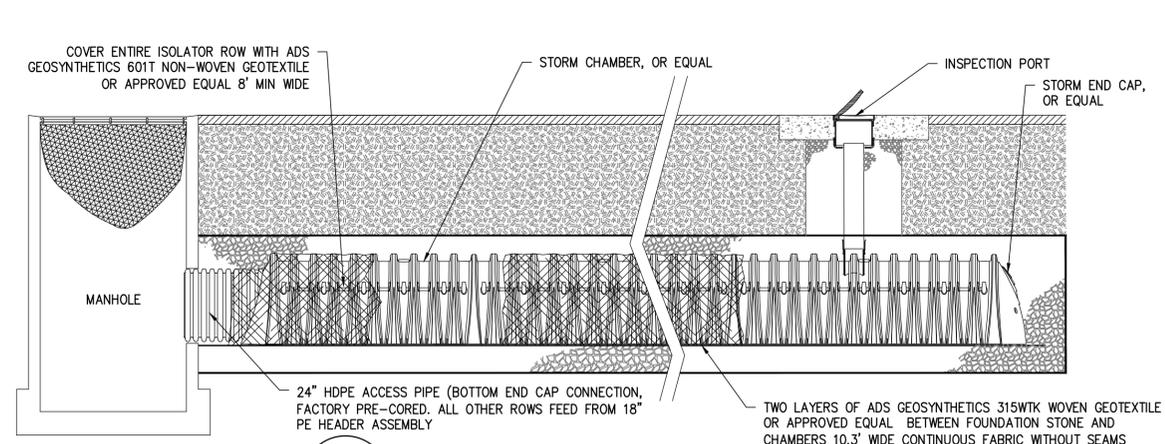


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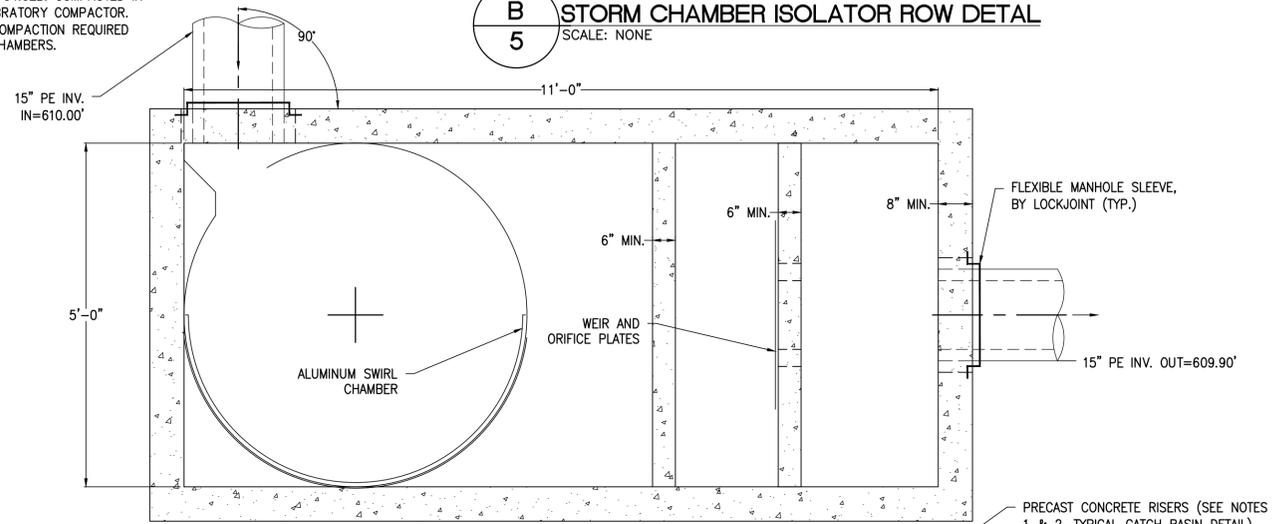


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SCALE: NONE

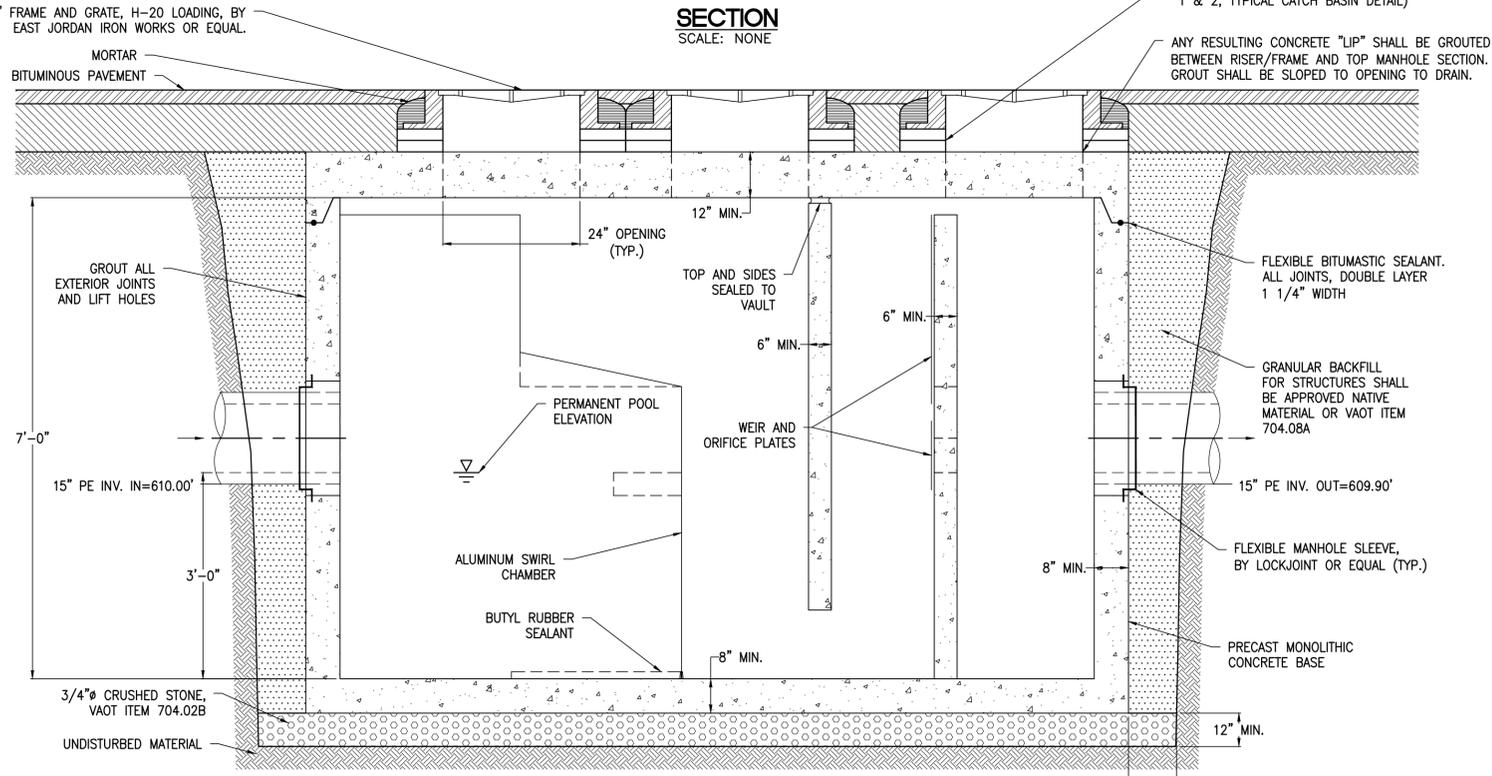
SUITABLE BACKFILL COMPACTED TO 85% STANDARD PROCTOR. BEGIN COMPACTIONS AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.



B
5
SCALE: NONE



SECTION
SCALE: NONE



D
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SCALE: NONE

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EASTERLY AVENUE STORMWATER IMPROVEMENTS

STORMWATER DETAILS II

DESIGNED JAB/JSK	PROJECT NO. 17113
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