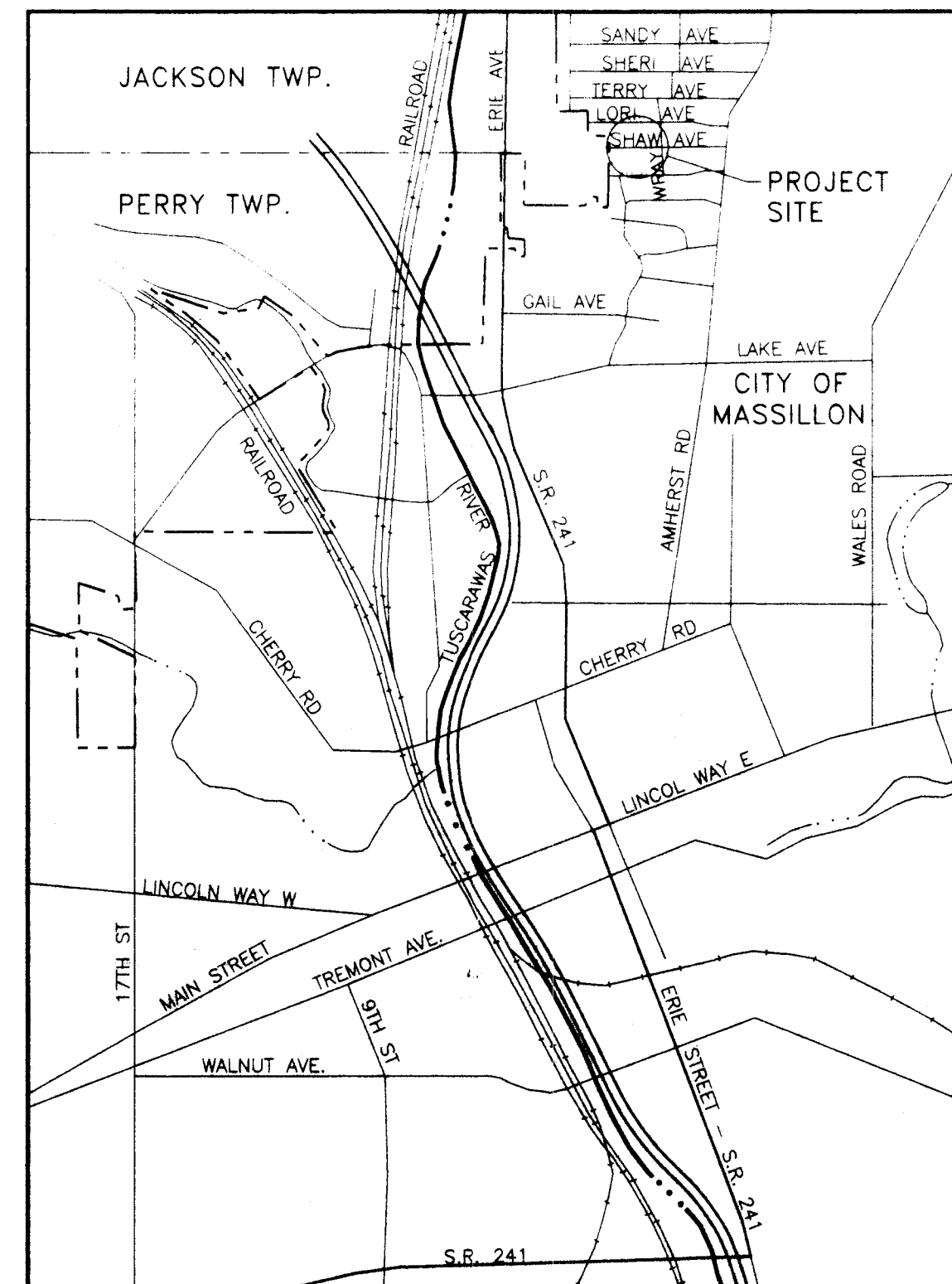


SHAW VIEW ESTATES Phase 1

CITY OF MASSILLON, STARK COUNTY, OHIO
PERRY TWP. N.W. QTR. SEC. 5



LOCATION MAP

DEVELOPER:

AJ. DIANA SONS, INC.
1916 ERIE AVENUE NW
MASSILLON, OHIO 44646

ENGINEERING BY:

HETTLER ENGINEERING SERVICES
1225 NORTH MAIN STREET
NORTH CANTON, OHIO 44720
(330) 966-1776

OWNER OF SANITARY SEWER:

CITY OF MASSILLON
ONE JAMES DUNCAN PLAZA
MASSILLON, OHIO 44646
(330) 830-1722

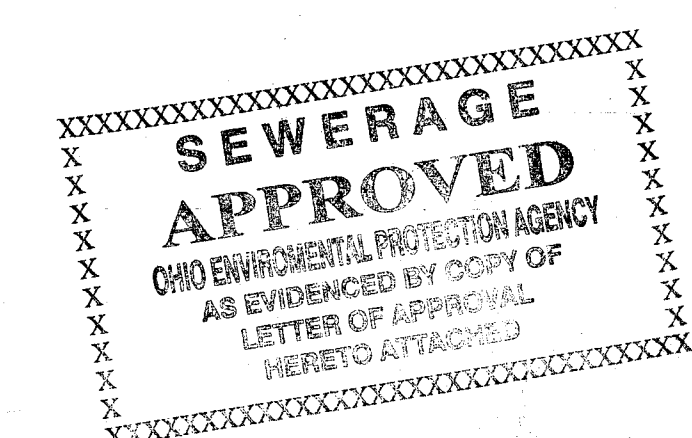
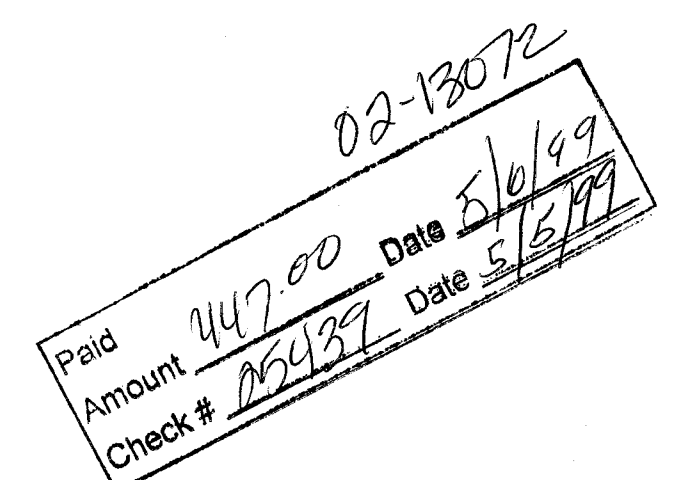
SURVEYING BY:

BUCKEYE SURVEYING SERVICES, INC.
2223 FULTON DRIVE N.W.
CANTON, OHIO 44709
(330) 453-8339

CALL 2 WORKING DAYS
BEFORE YOU DIG
1-800-362-2764
OHIO UTILITIES PROTECTION SERVICE

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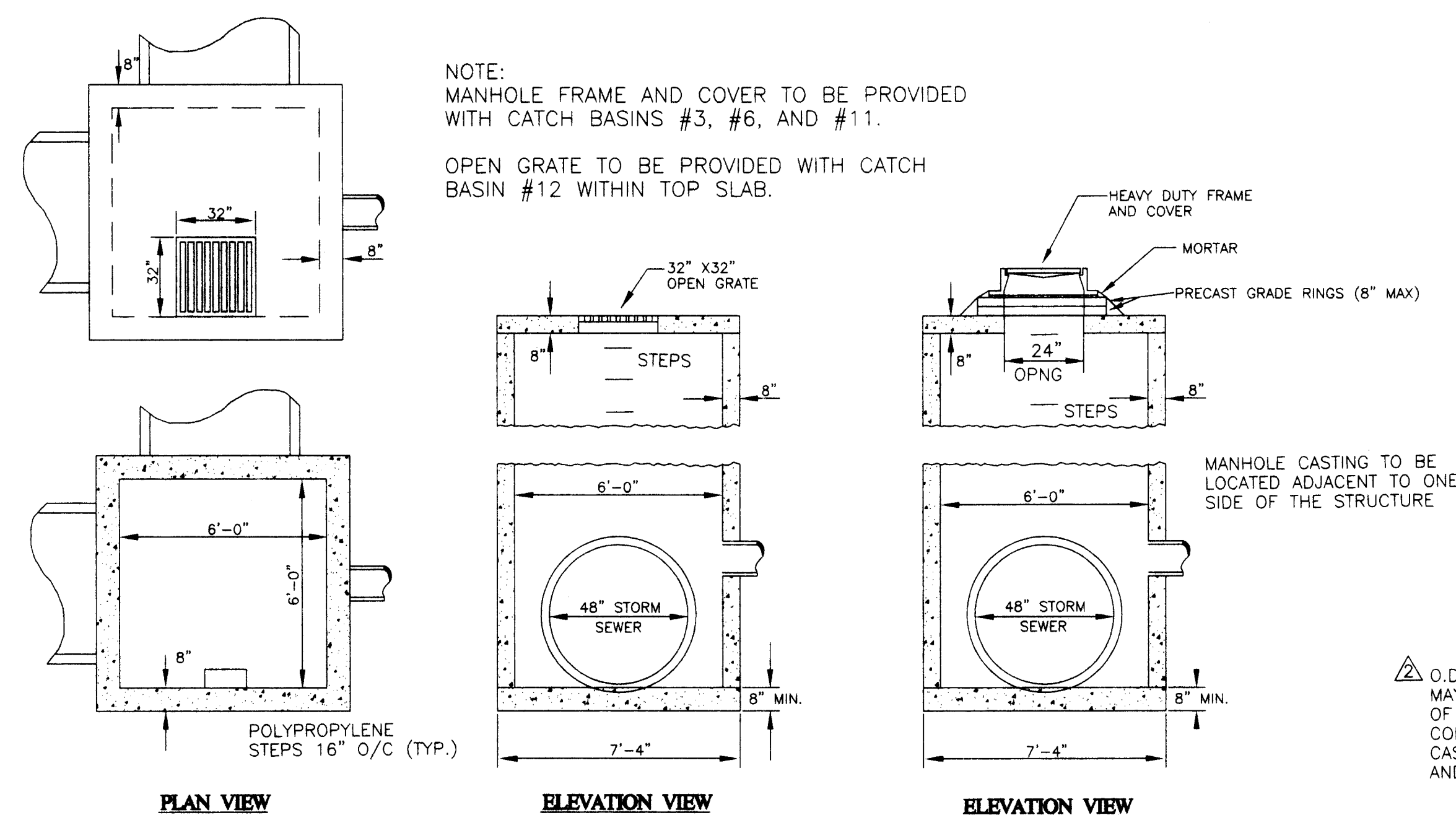
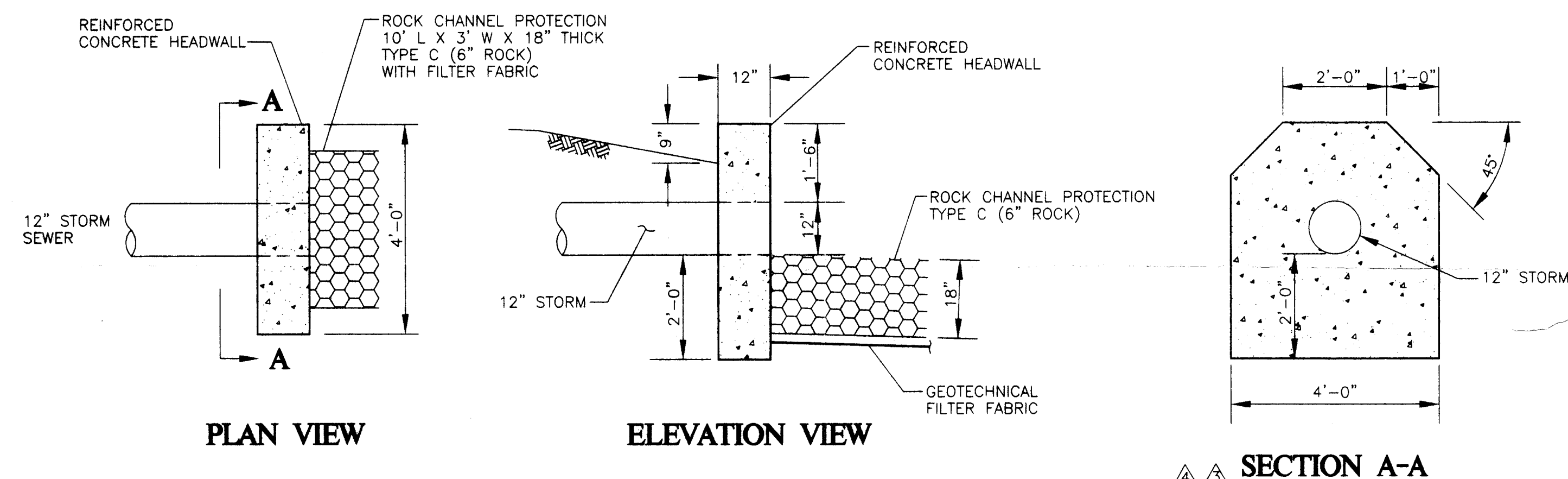
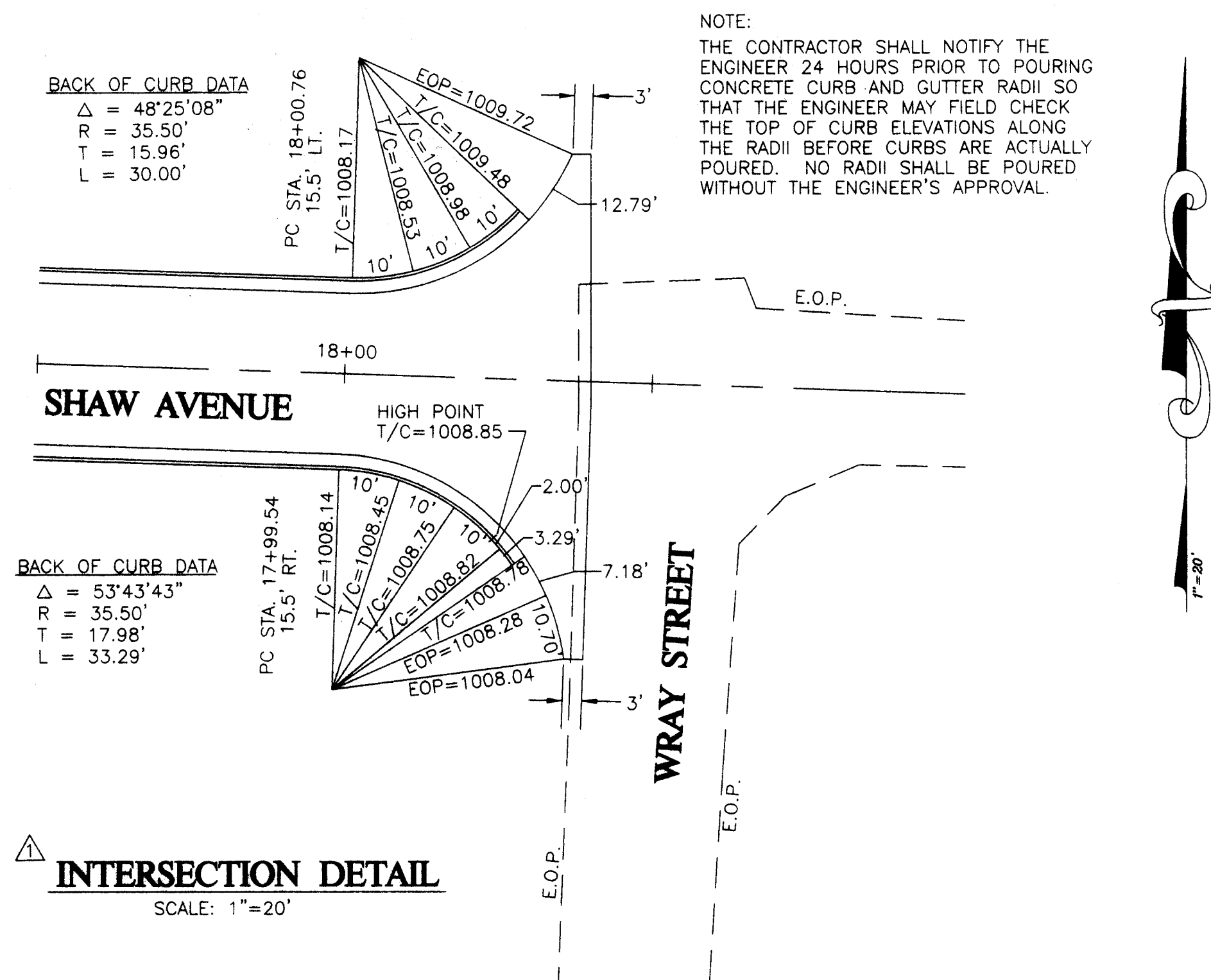


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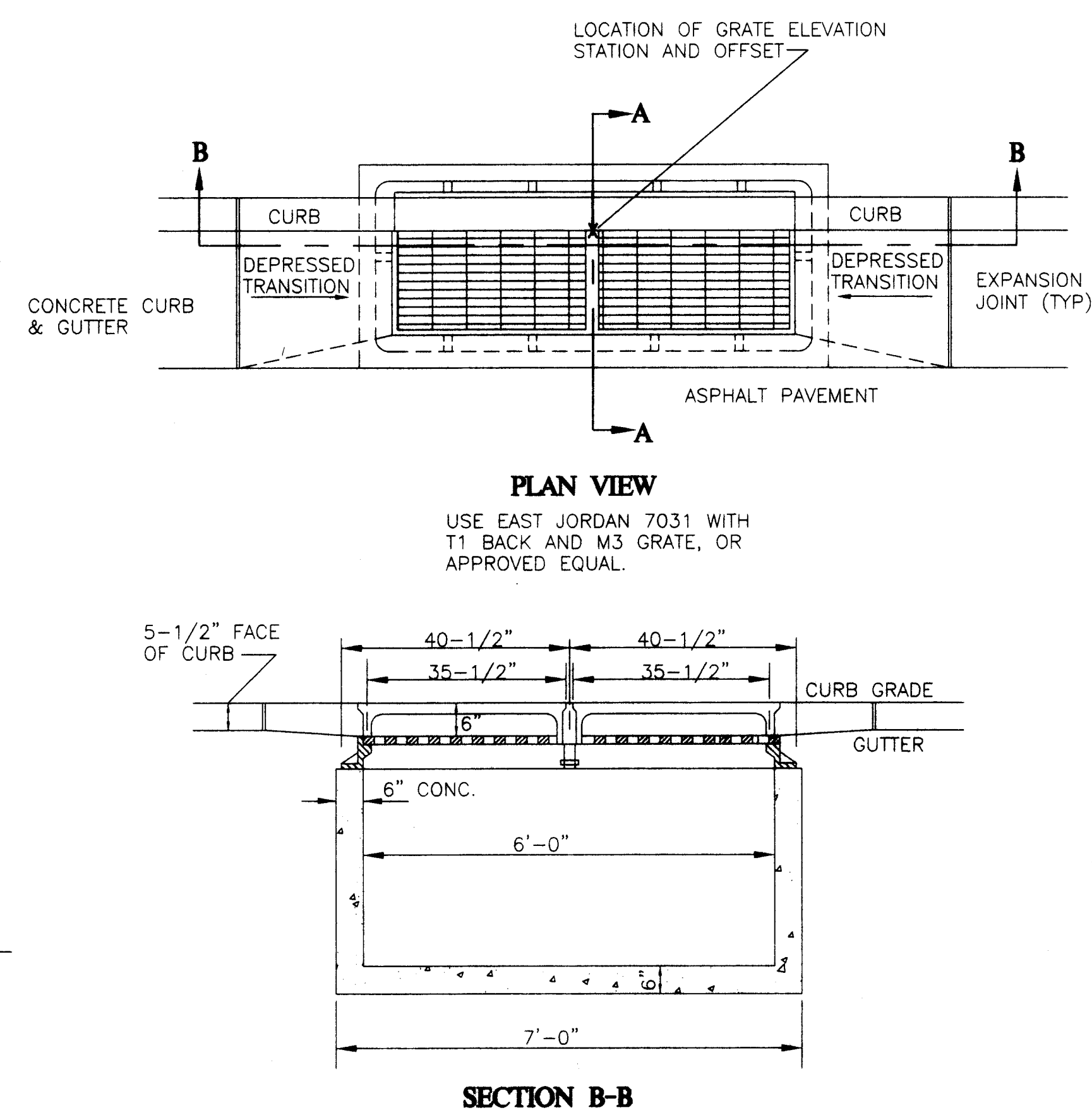
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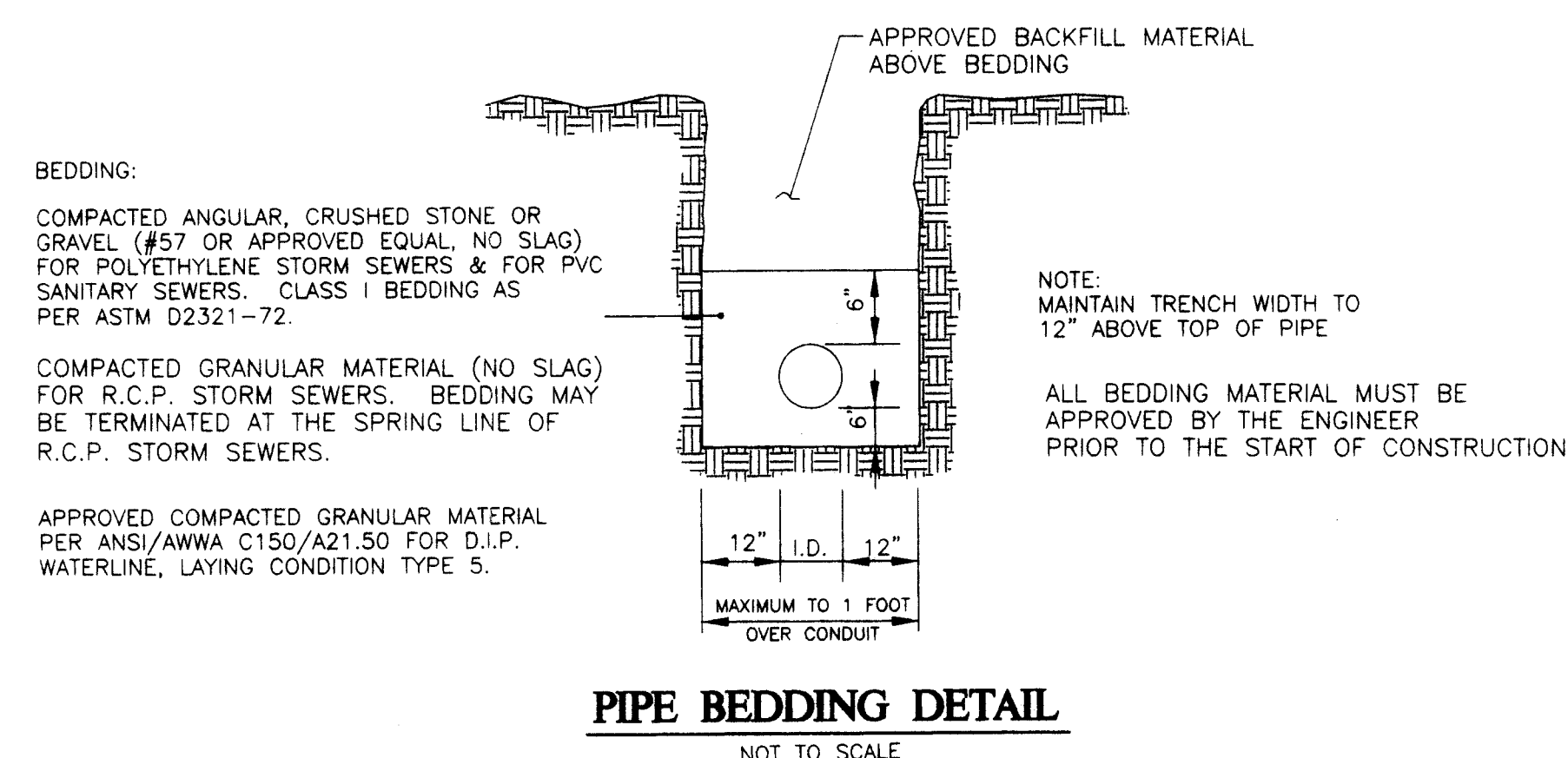
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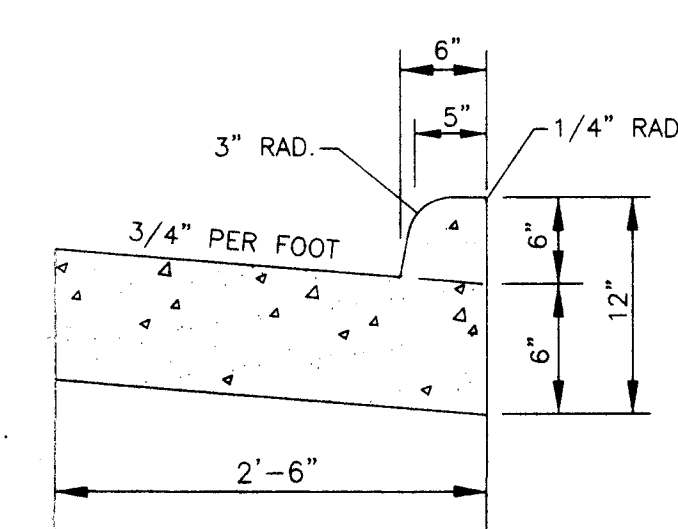
MODIFIED TYPE CB-2-6 PRECAST CONCRETE CATCH BASIN
NOT TO SCALE



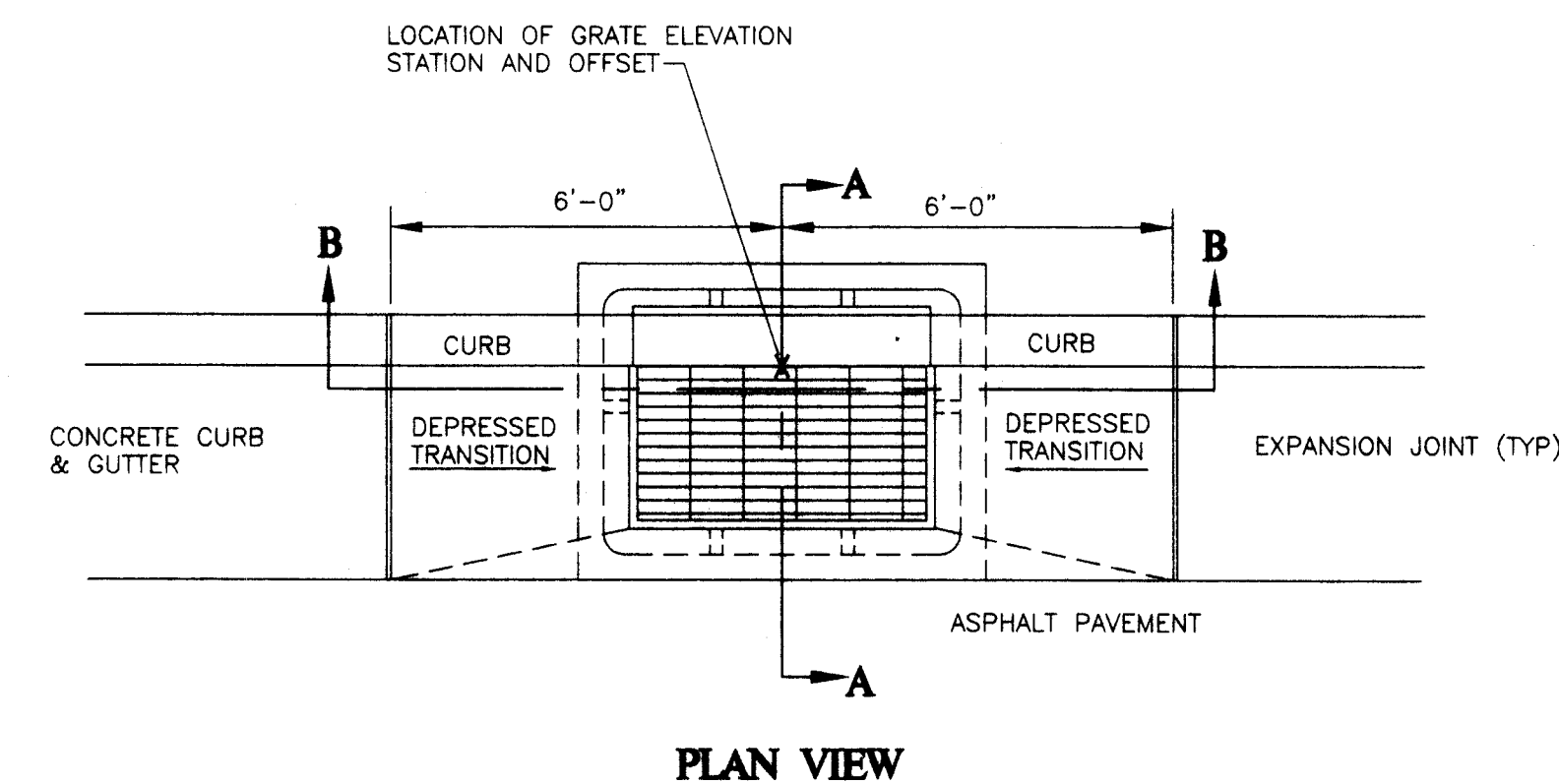
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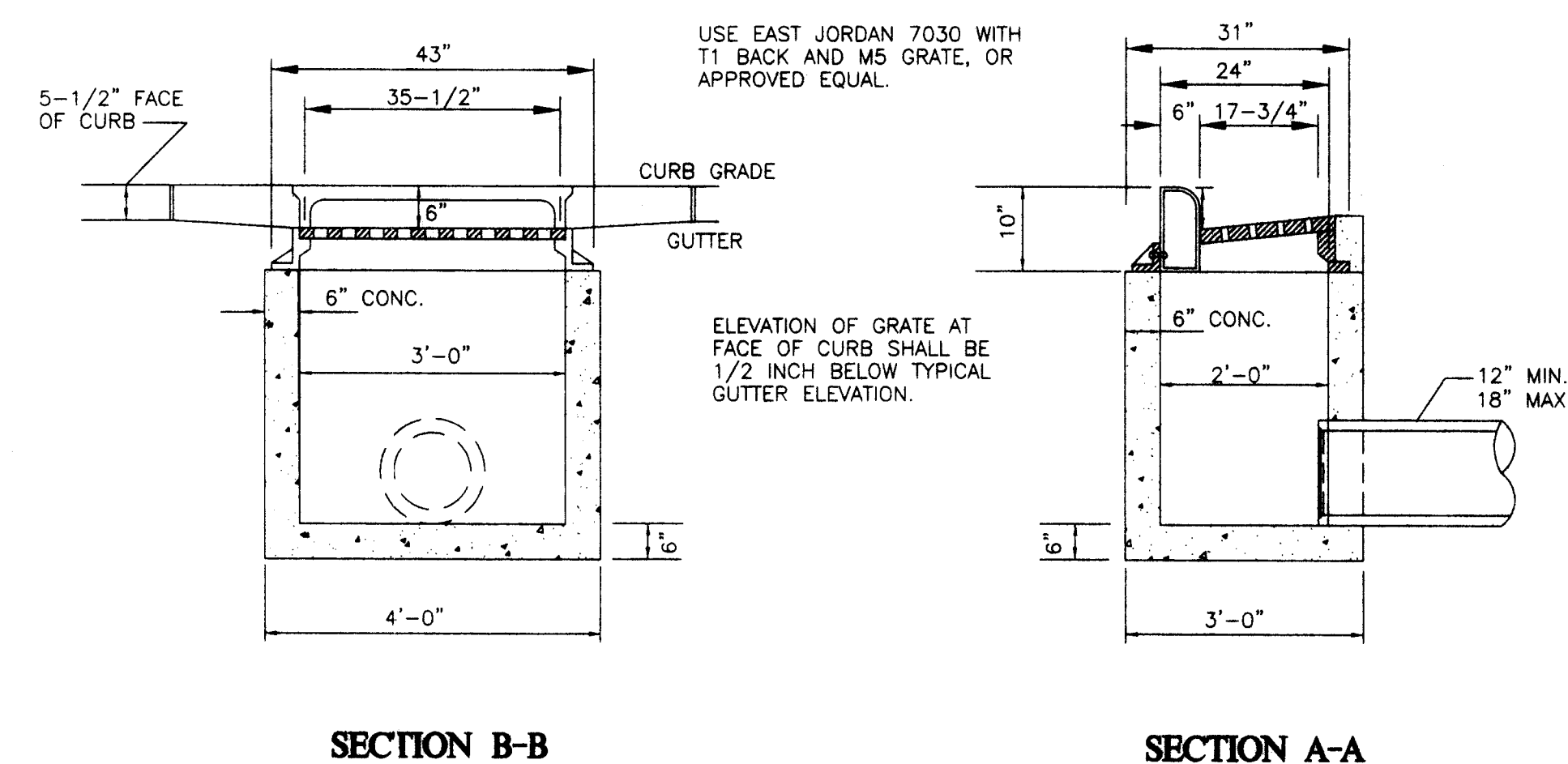
PIPE BEDDING DETAIL



CITY OF MASSILLON - STANDARD
CONCRETE CURB & GUTTER
NOT TO SCALE



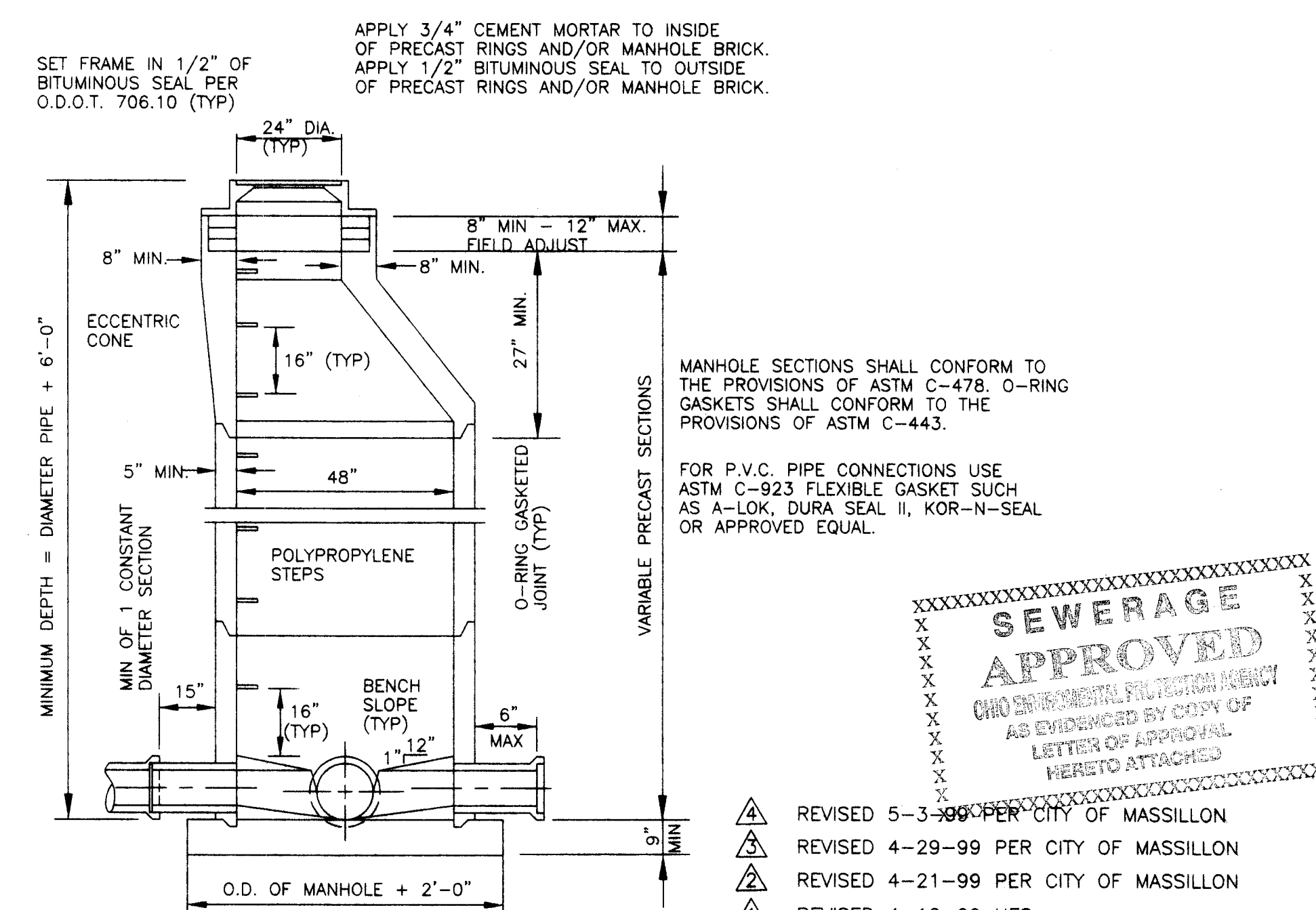
PLAN VIEW



SECTION B-B

SECTION A-A

MODIFIED TYPE 3A PRECAST CONCRETE CATCH BASIN
NOT TO SCALE



PRECAST SANITARY MANHOLE
NOT TO SCALE

SHAW VIEW ESTATES REPLAT 1
CITY OF MASSILLON, STARK COUNTY, OHIO

DETAILS

HETTLER ENGINEERING SERVICES
1225 NORTH MAIN STREET, SUITE A
NORTH CANTON, OHIO 44720
(330) 966-1776

IMPROVEMENT PLANS FOR SHAW VIEW ESTATES NO. 2

CITY OF MASSILLON, OHIO

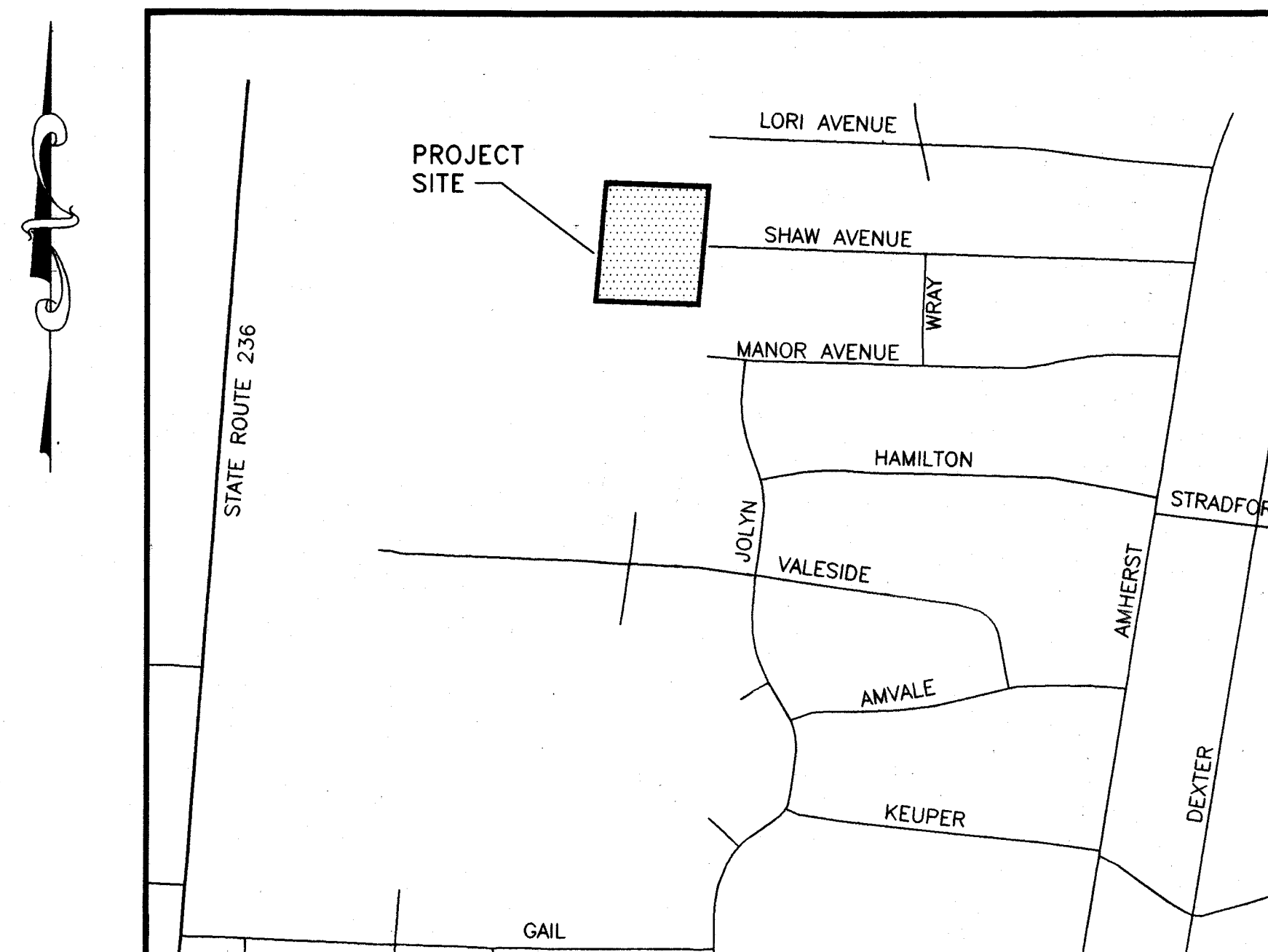
AUGUST 2003

OWNER/DEVELOPER:

A.J. DIANA SONS, INC.
1916 ERIE AVENUE NW
MASSILLON, OHIO 44648
330-832-5904

SURVEYING SERVICES BY:

BUCKEYE SURVEYING SERVICES, INC.
2223 FULTON DRIVE NW
CANTON, OHIO 44718
330-453-8339

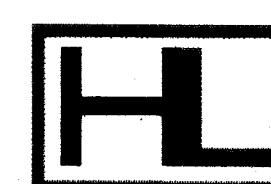


LOCATION MAP
NOT TO SCALE

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**Hettler-Largent
Engineering LLC**

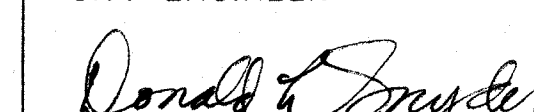
Civil & Construction Consultants

1225 North Main Street • Suite A • North Canton, OH 44720
PH: 330-966-1776 • FX: 330-966-7911 • hettlereng@neo.rr.com

CITY OF MASSILLON MASSILLON, OHIO


CITY ENGINEER

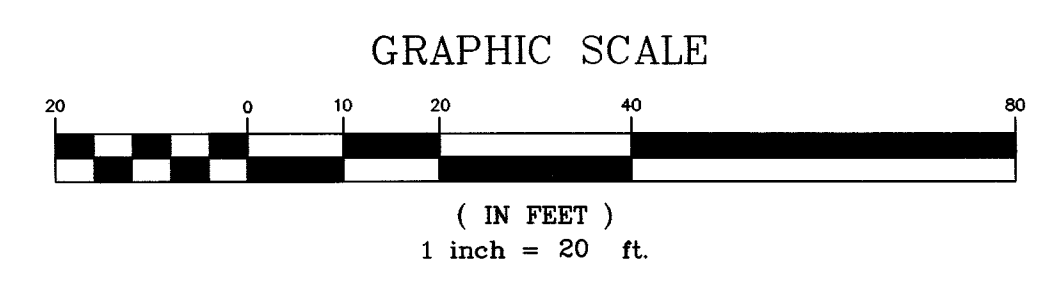
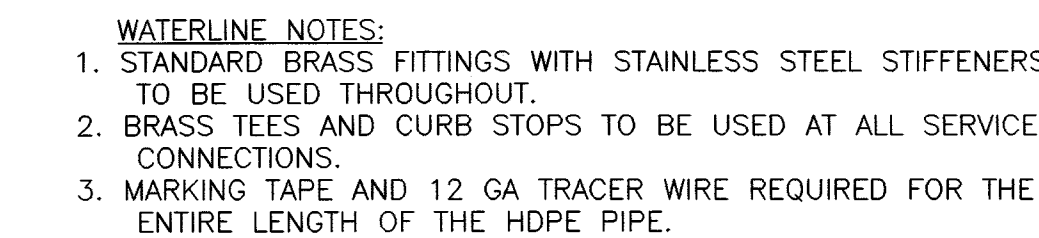
10/14/03
DATE

 *SUBJECT TO CONTRACT
WITH COWC*
CONSUMERS OHIO WATER COMPANY

10/10/03
DATE

OHIO ENVIRONMENTAL PROTECTION AGENCY APPROVAL

NOVEMBER 6, 2003
WATER APPROVED BY LETTER DATED

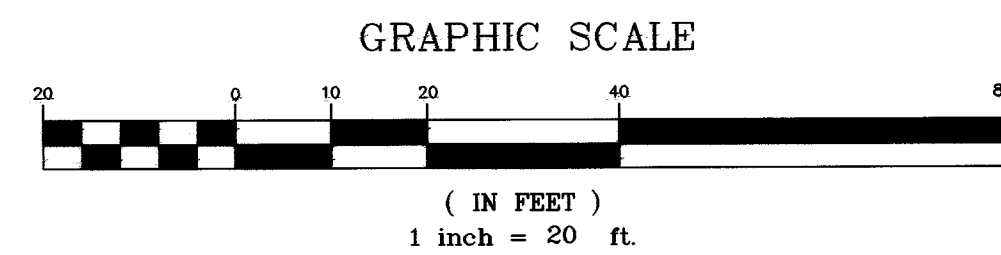
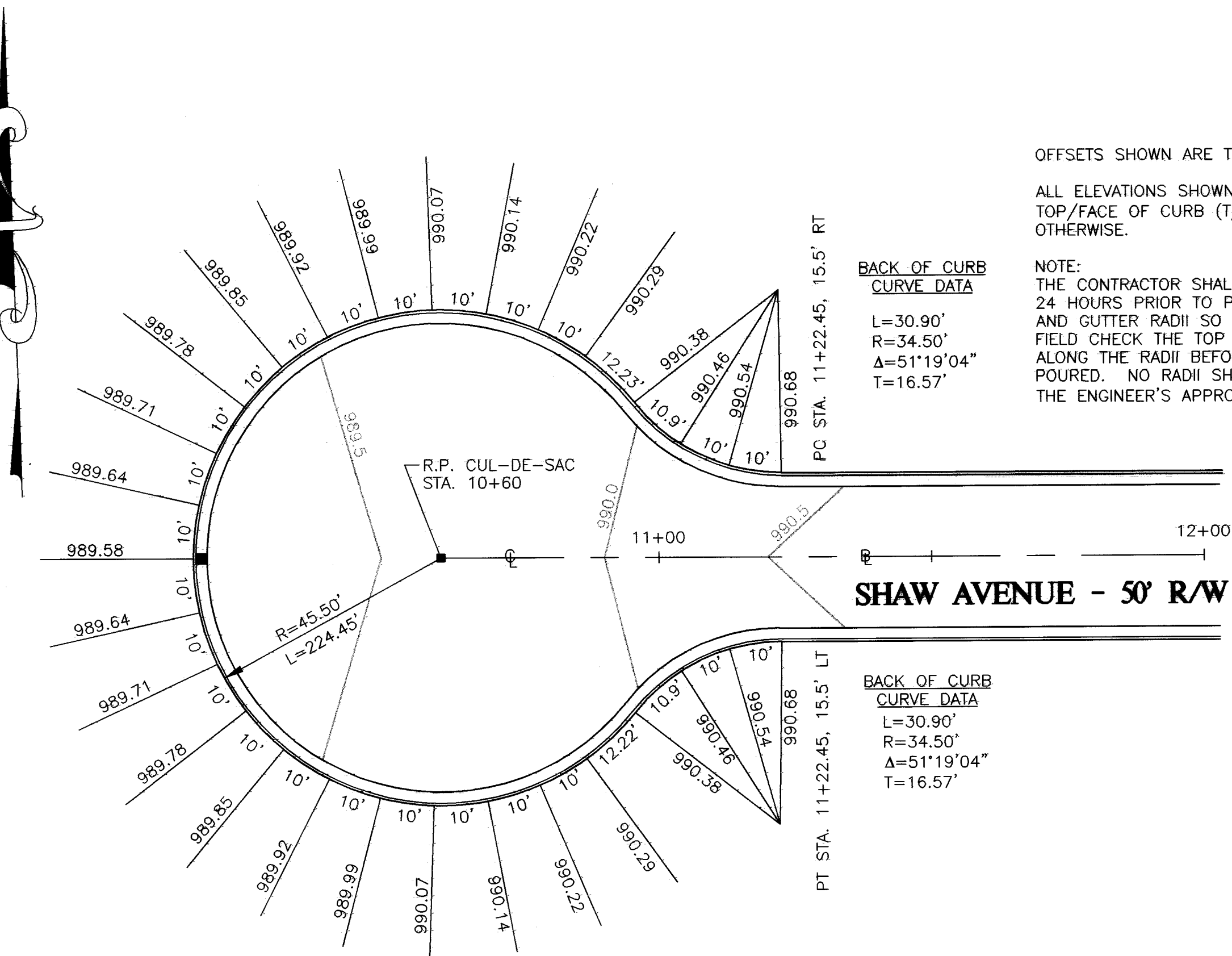


SHAW AVENUE - STA. 9+00 TO STA. 12+00

DETAILS

Hettler Largent
Engineering LLC
Civil & Construction Consultants
1225 North Main Street • Suite A • North Canton, OH 44720
PH: 330-966-1776 • FX: 330-966-7911 • hettlereng@neo.rr.com

SHAW VIEW ESTATES NO. 2
CITY OF MASSILLON
STARK COUNTY, OHIO

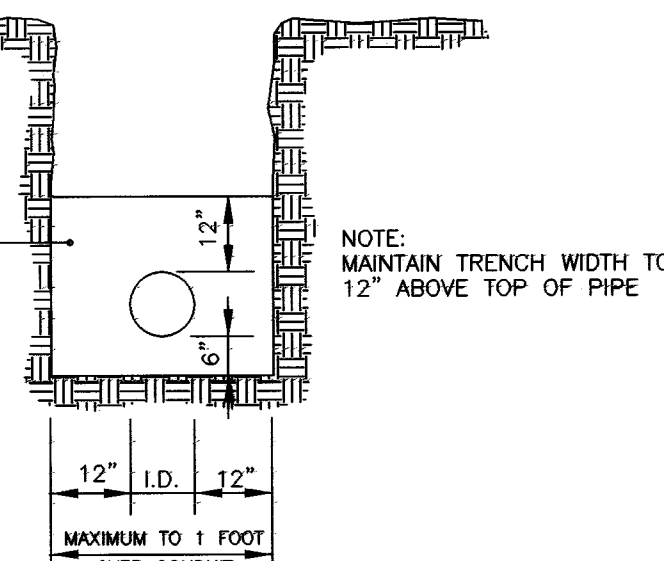


IF MATERIAL MEETING THE REQUIREMENTS FOR ODOT TYPE 2 GRANULAR MATERIAL (ODOT 703.11) IS USED FOR BACKFILL OF TYPE B CONDUITS (ABOVE THE REQUIRED BEDDING MATERIAL) THEN THE CONTRACTOR MUST PROVIDE AND INSTALL AN APPROVED GEOTECHNICAL FABRIC BETWEEN THE BEDDING AND THE BACKFILL TO PREVENT MIGRATION OF THE GRANULAR BACKFILL INTO THE BEDDING MATERIAL.

BEDDING:
COMPACTED ANGULAR, CRUSHED STONE OR GRAVEL (#57 LIMESTONE OR APPROVED EQUAL, NO SLAG) FOR POLYETHYLENE/HDPE AND PVC STORM SEWERS AND FOR PVC SANITARY SEWERS. CLASS 1 BEDDING AS PER ASTM D2321-72.

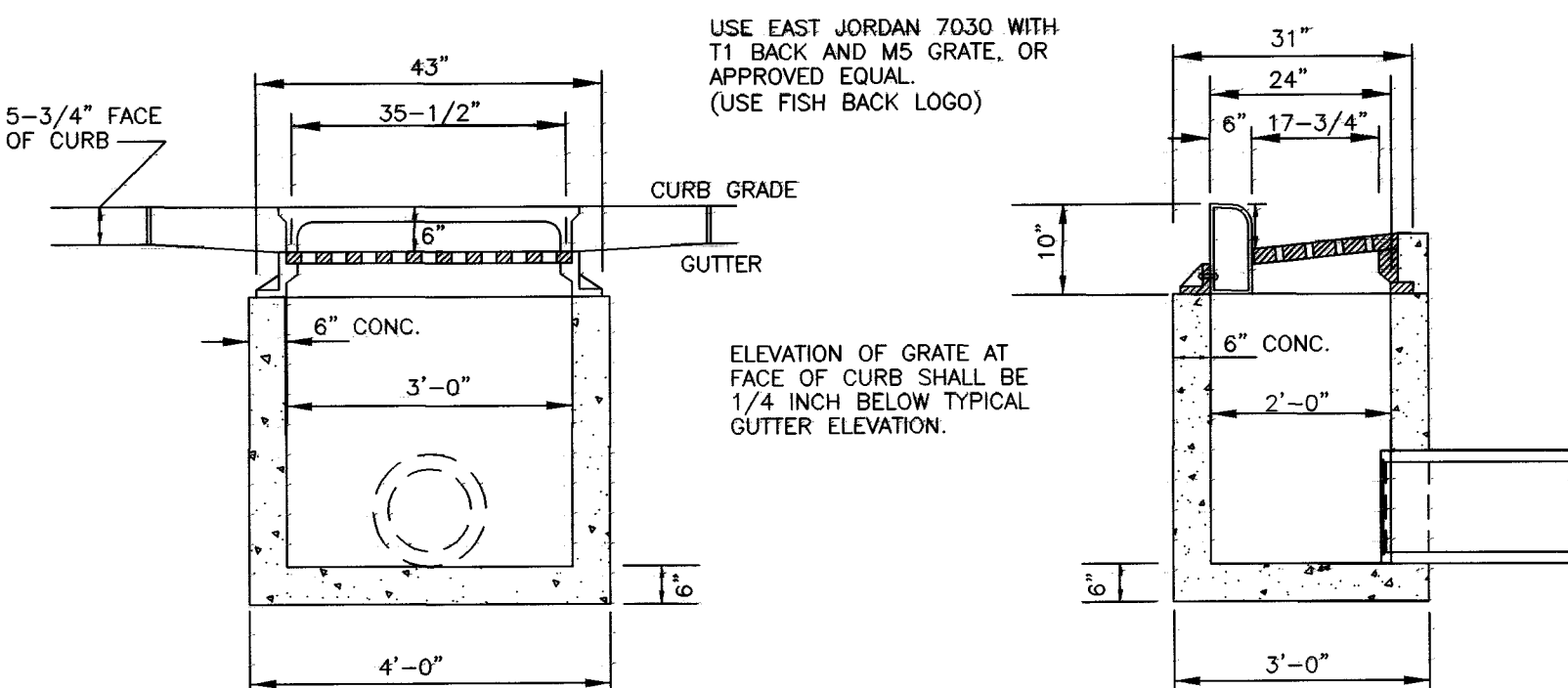
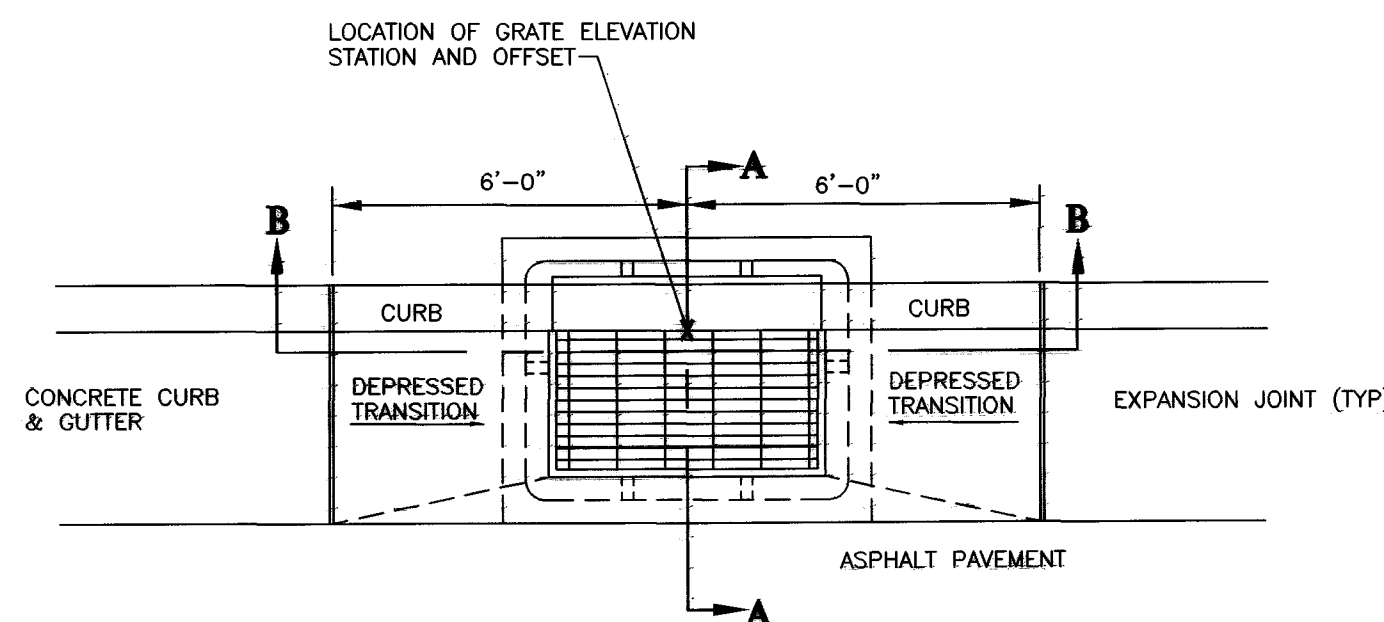
COMPACTED GRANULAR MATERIAL (NO SLAG) FOR R.C.P. STORM SEWERS. BEDDING MAY BE TERMINATED AT THE SPRING LINE OF R.C.P. STORM SEWERS.

APPROVED COMPACTED GRANULAR MATERIAL PER ANSI/AWWA C150/A21.50 FOR D.I.P. WATERLINE, LAYING CONDITION TYPE 5.



PIPE BEDDING DETAIL

NOT TO SCALE

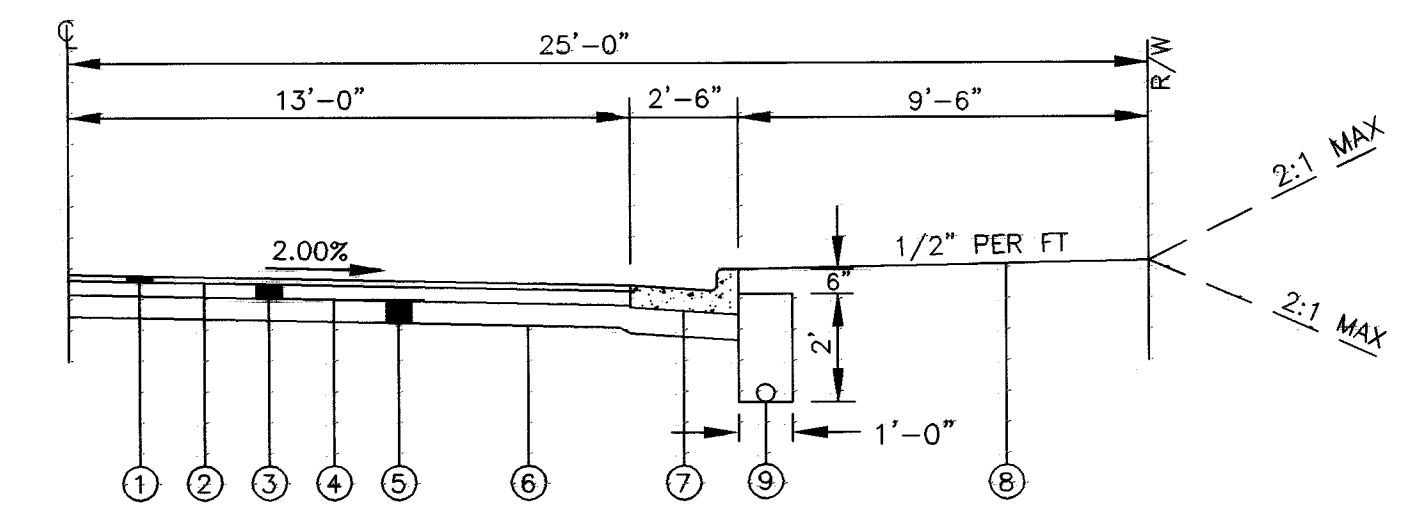


SECTION B-B

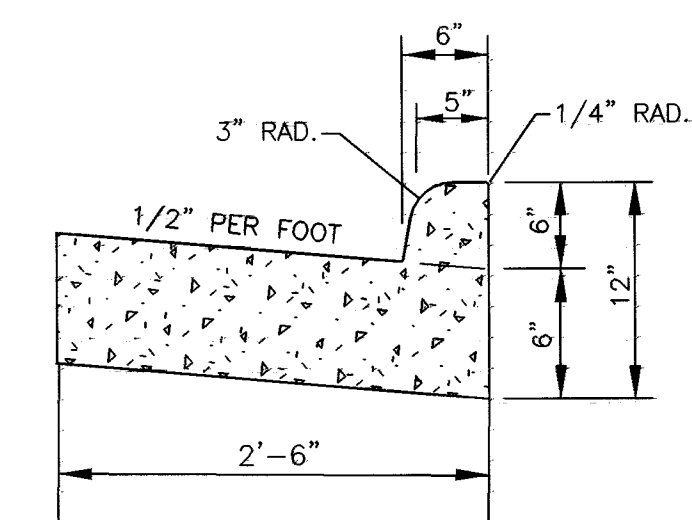
SECTION A-A

MODIFIED TYPE 3A PRECAST CONCRETE CATCH BASIN

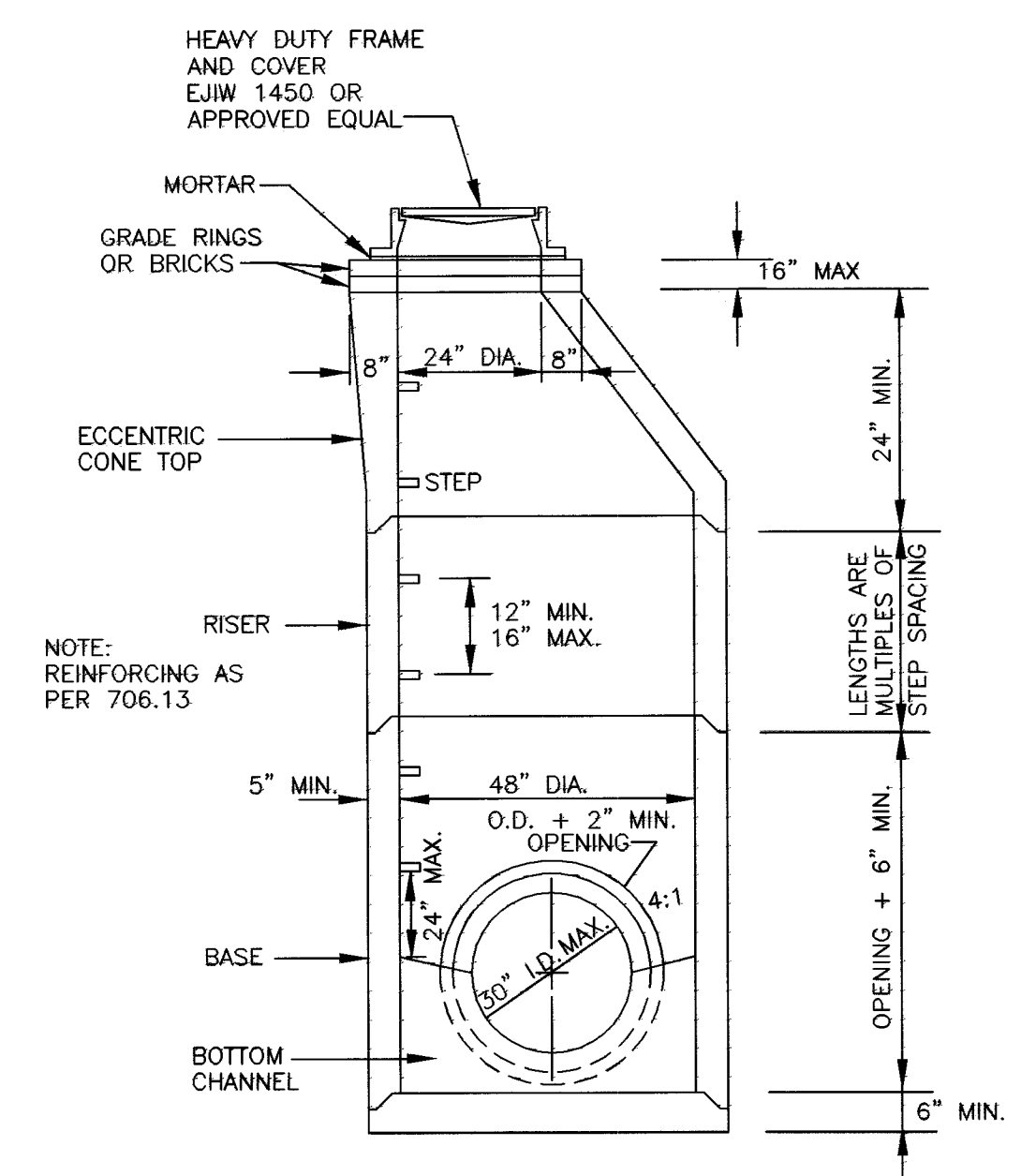
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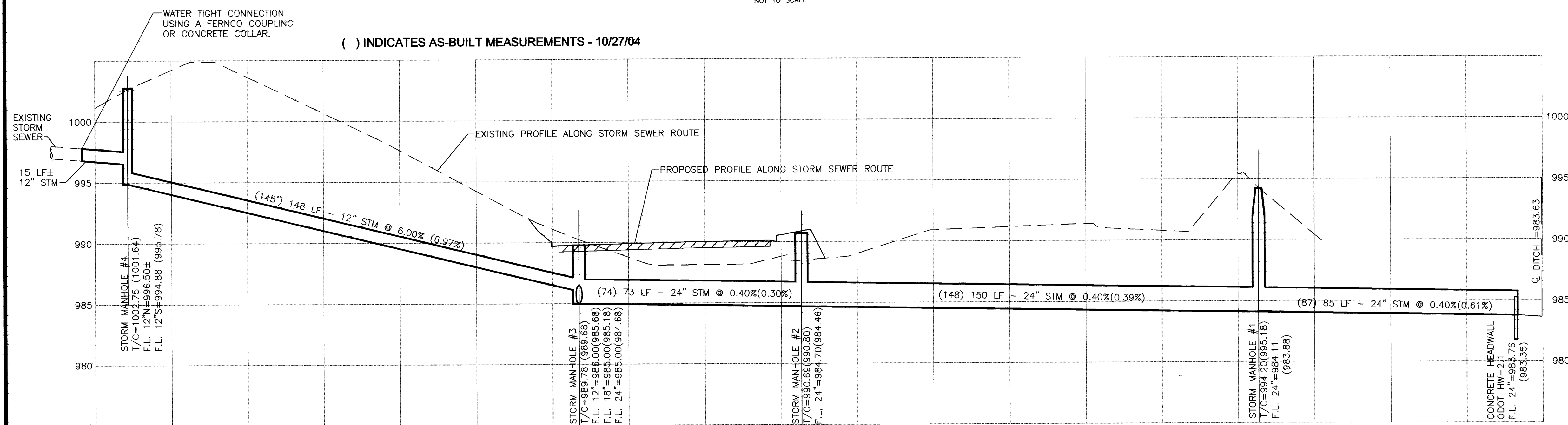
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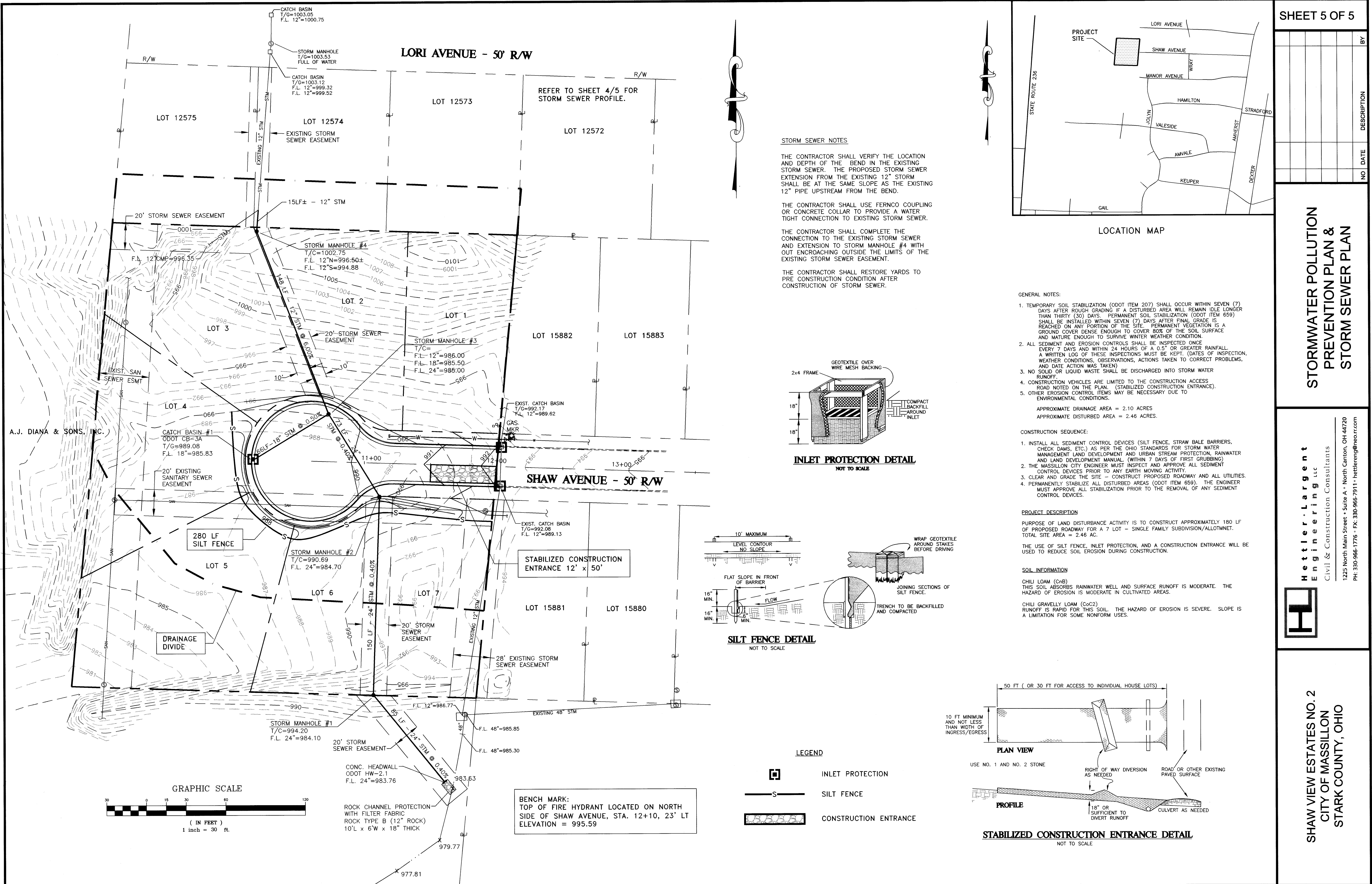


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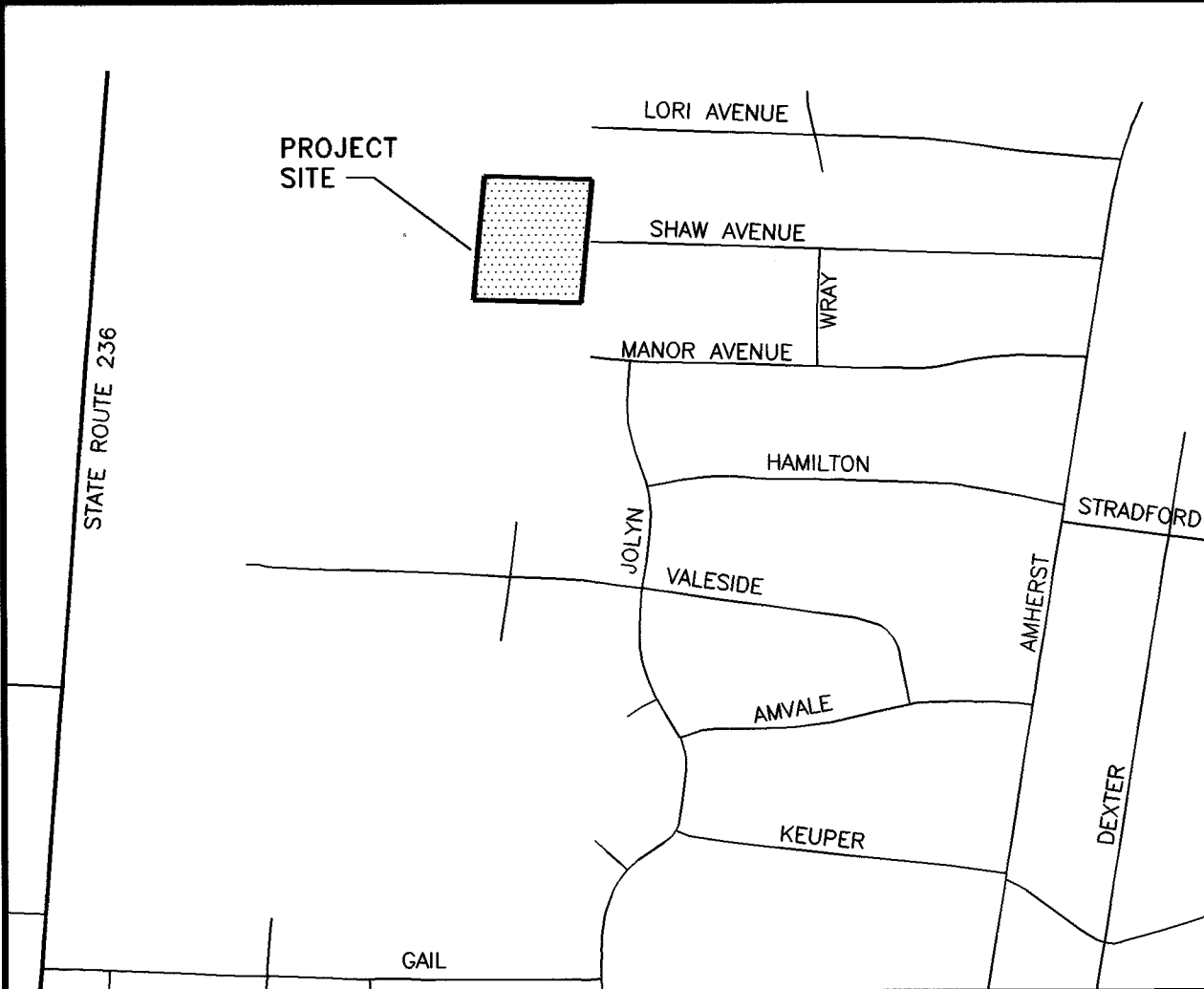


STORM SEWER PROFILE

SCALE: HORIZ. 1"=20', VERT. 1"=5'



SHEET 5 OF 5				
NO.	DATE	DESCRIPTION	BY	



STORM SEWER NOTES

THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE BEND IN THE EXISTING STORM SEWER. THE PROPOSED STORM SEWER EXTENSION FROM THE EXISTING 12" STORM SHALL BE AT THE SAME SLOPE AS THE EXISTING 12" PIPE UPSTREAM FROM THE BEND.

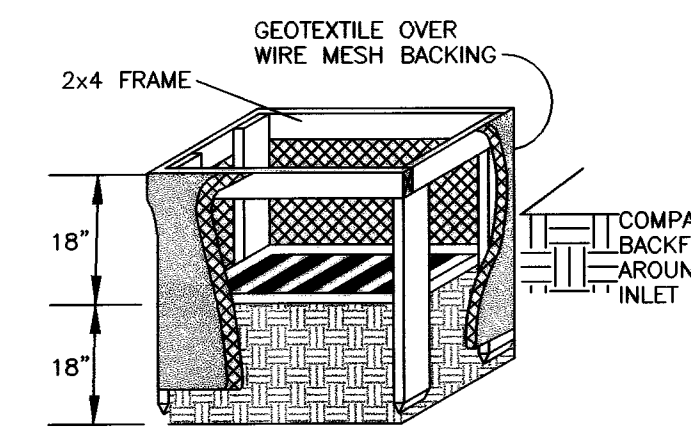
THE CONTRACTOR SHALL USE FERNCO COUPLING OR CONCRETE COLLAR TO PROVIDE A WATER TIGHT CONNECTION TO EXISTING STORM SEWER.

THE CONTRACTOR SHALL COMPLETE THE CONNECTION TO THE EXISTING STORM SEWER AND EXTENSION TO STORM MANHOLE #4 WITH OUT ENCRANCHING OUTSIDE THE LIMITS OF THE EXISTING STORM SEWER EASEMENT.

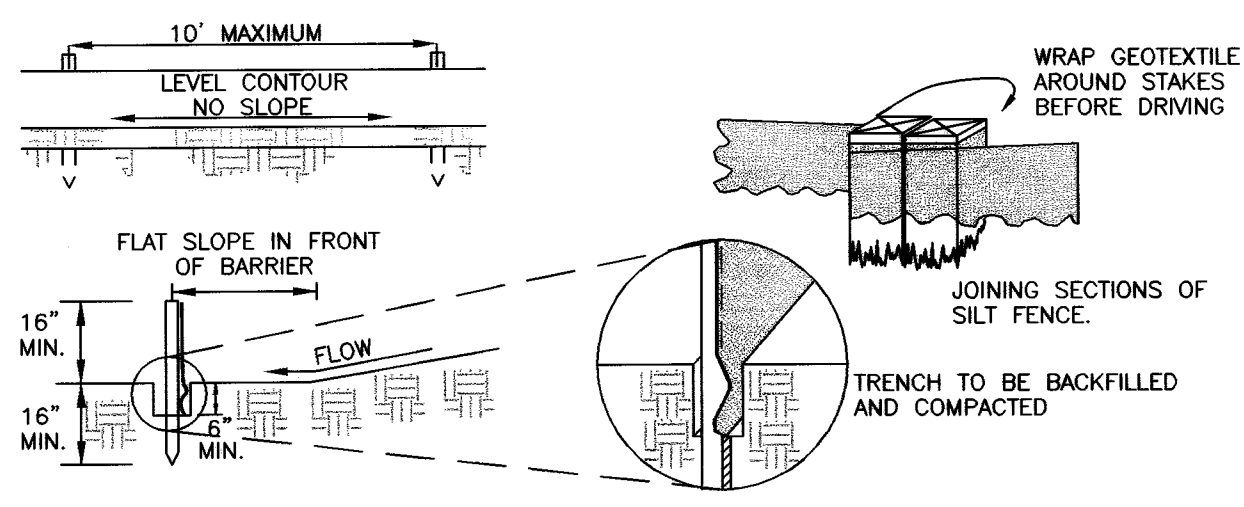
THE CONTRACTOR SHALL RESTORE YARDS TO PRE CONSTRUCTION CONDITION AFTER CONSTRUCTION OF STORM SEWER.

GENERAL NOTES:

- TEMPORARY SOIL STABILIZATION (ODOT ITEM 207) SHALL OCCUR WITHIN SEVEN (7) DAYS AFTER ROUGH GRADING IF A DISTURBED AREA WILL REMAIN IDLE LONGER THAN THIRTY (30) DAYS. PERMANENT SOIL STABILIZATION (ODOT ITEM 659) SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITION.
 - ALL SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. A WRITTEN LOG OF THESE INSPECTIONS MUST BE KEPT. (DATES OF INSPECTION, WEATHER CONDITIONS, OBSERVATIONS, ACTIONS TAKEN TO CORRECT PROBLEMS, AND DATE ACTION WAS TAKEN)
 - NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
 - CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD NOTED ON THE PLAN. (STABILIZED CONSTRUCTION ENTRANCE).
 - OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
- APPROXIMATE DRAINAGE AREA = 2.10 ACRES
APPROXIMATE DISTURBED AREA = 2.46 ACRES.



INLET PROTECTION DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE

LEGEND

- INLET PROTECTION
- SILT FENCE
- CONSTRUCTION ENTRANCE

CONSTRUCTION SEQUENCE:

- INSTALL ALL SEDIMENT CONTROL DEVICES (SILT FENCE, STRAW BALE BARRIERS, CHECK DAMS, ETC.) AS PER THE OHIO STANDARDS FOR STORM WATER MANAGEMENT LAND DEVELOPMENT AND URBAN STREAM PROTECTION, RAINWATER AND LAND DEVELOPMENT MANUAL (WITHIN 7 DAYS OF FIRST GRUBBING)
- THE MASSILLON CITY ENGINEER MUST INSPECT AND APPROVE ALL SEDIMENT CONTROL DEVICES PRIOR TO ANY EARTH MOVING ACTIVITY.
- CLEAR AND GRADE THE SITE - CONSTRUCT PROPOSED ROADWAY AND ALL UTILITIES.
- PERMANENTLY STABILIZE ALL DISTURBED AREAS (ODOT ITEM 659). THE ENGINEER MUST APPROVE ALL STABILIZATION PRIOR TO THE REMOVAL OF ANY SEDIMENT CONTROL DEVICES.

PROJECT DESCRIPTION

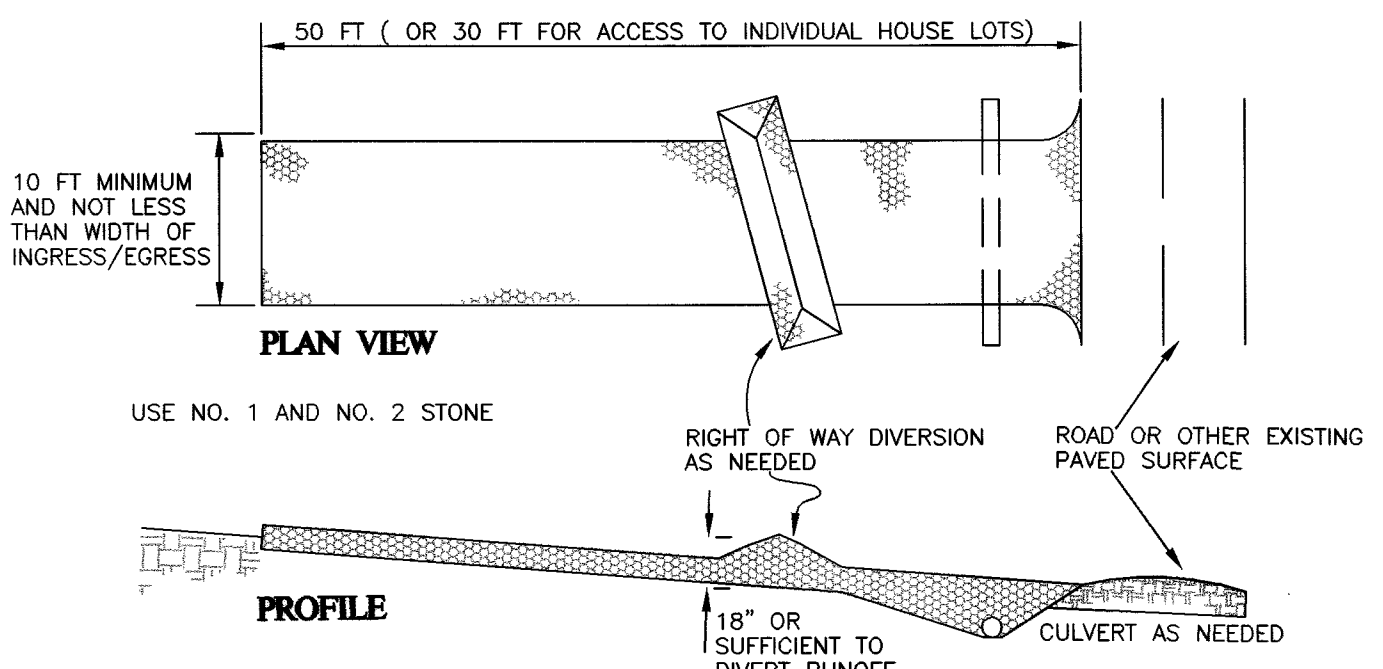
PURPOSE OF LAND DISTURBANCE ACTIVITY IS TO CONSTRUCT APPROXIMATELY 180 LF OF PROPOSED ROADWAY FOR A 7 LOT - SINGLE FAMILY SUBDIVISION/ALLOTMENT. TOTAL SITE AREA = 2.46 AC.

THE USE OF SILT FENCE, INLET PROTECTION, AND A CONSTRUCTION ENTRANCE WILL BE USED TO REDUCE SOIL EROSION DURING CONSTRUCTION.

SOIL INFORMATION

CHILI LOAM (ChB)
THIS SOIL ABSORBS RAINWATER WELL AND SURFACE RUNOFF IS MODERATE. THE HAZARD OF EROSION IS MODERATE IN CULTIVATED AREAS.

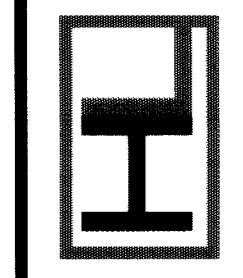
CHILI GRAVELLY LOAM (CoC2)
RUNOFF IS RAPID FOR THIS SOIL. THE HAZARD OF EROSION IS SEVERE. SLOPE IS A LIMITATION FOR SOME NONFORM USES.



STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

STORMWATER POLLUTION PREVENTION PLAN & STORM SEWER PLAN

Hettler Largent Engineering LLC
Civil & Construction Consultants
1225 North Main Street • Suite A • North Canton, OH 44720
PH: 330-966-1776 • FX: 330-966-7911 • hettlereng@neo.rr.com



SHAW VIEW ESTATES NO. 2
CITY OF MASSILLON
STARK COUNTY, OHIO