

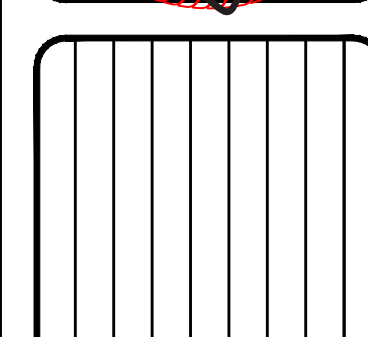






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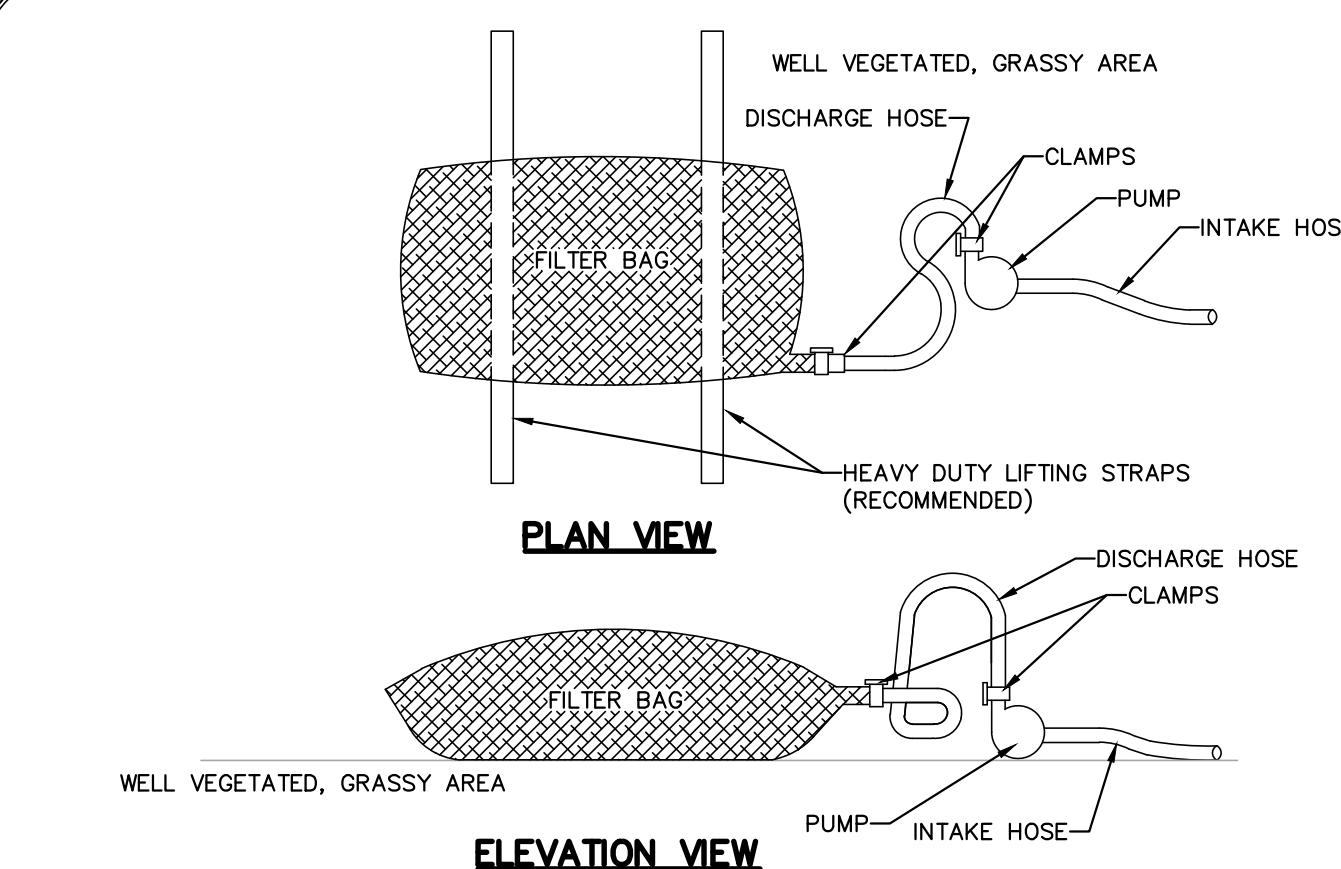
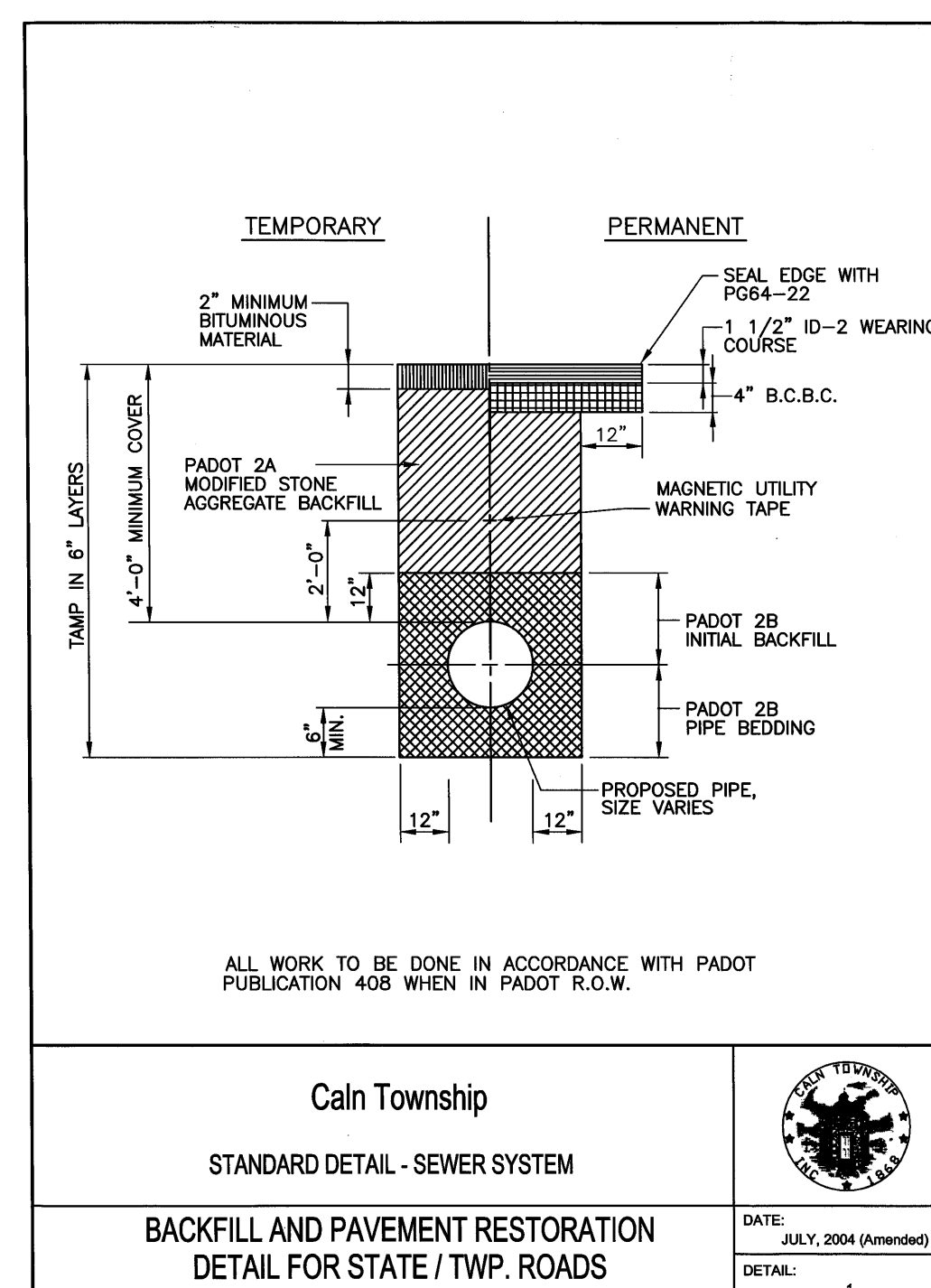
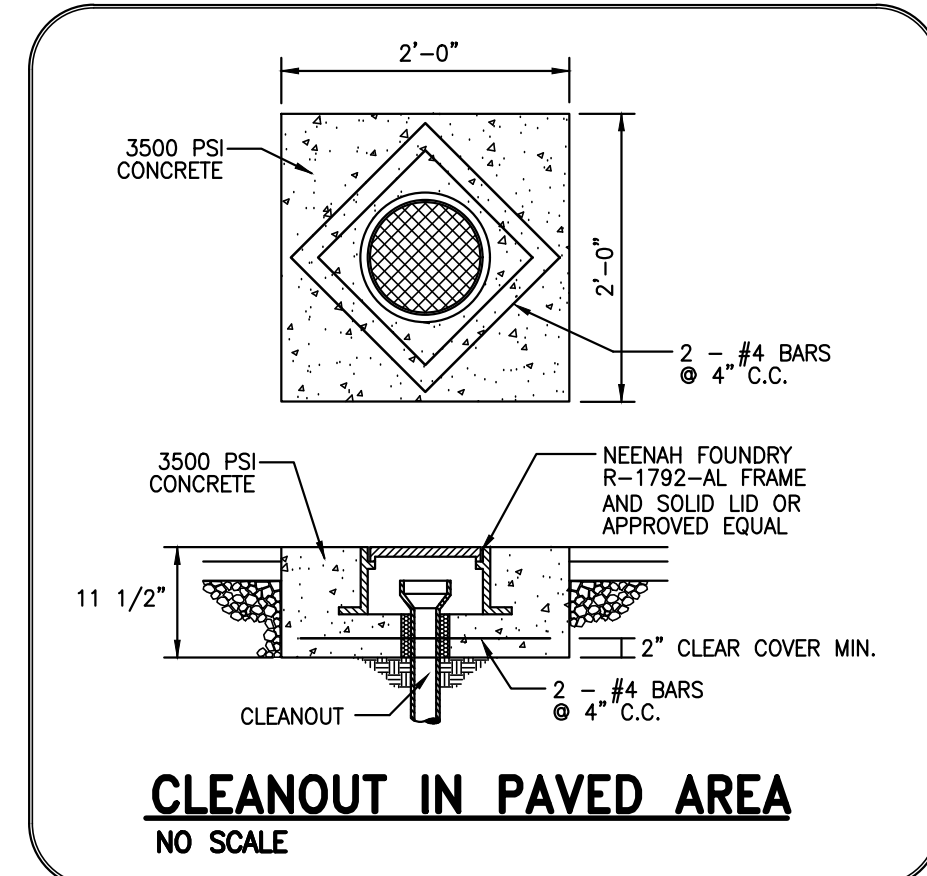
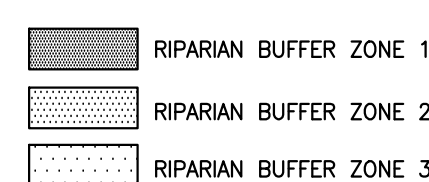
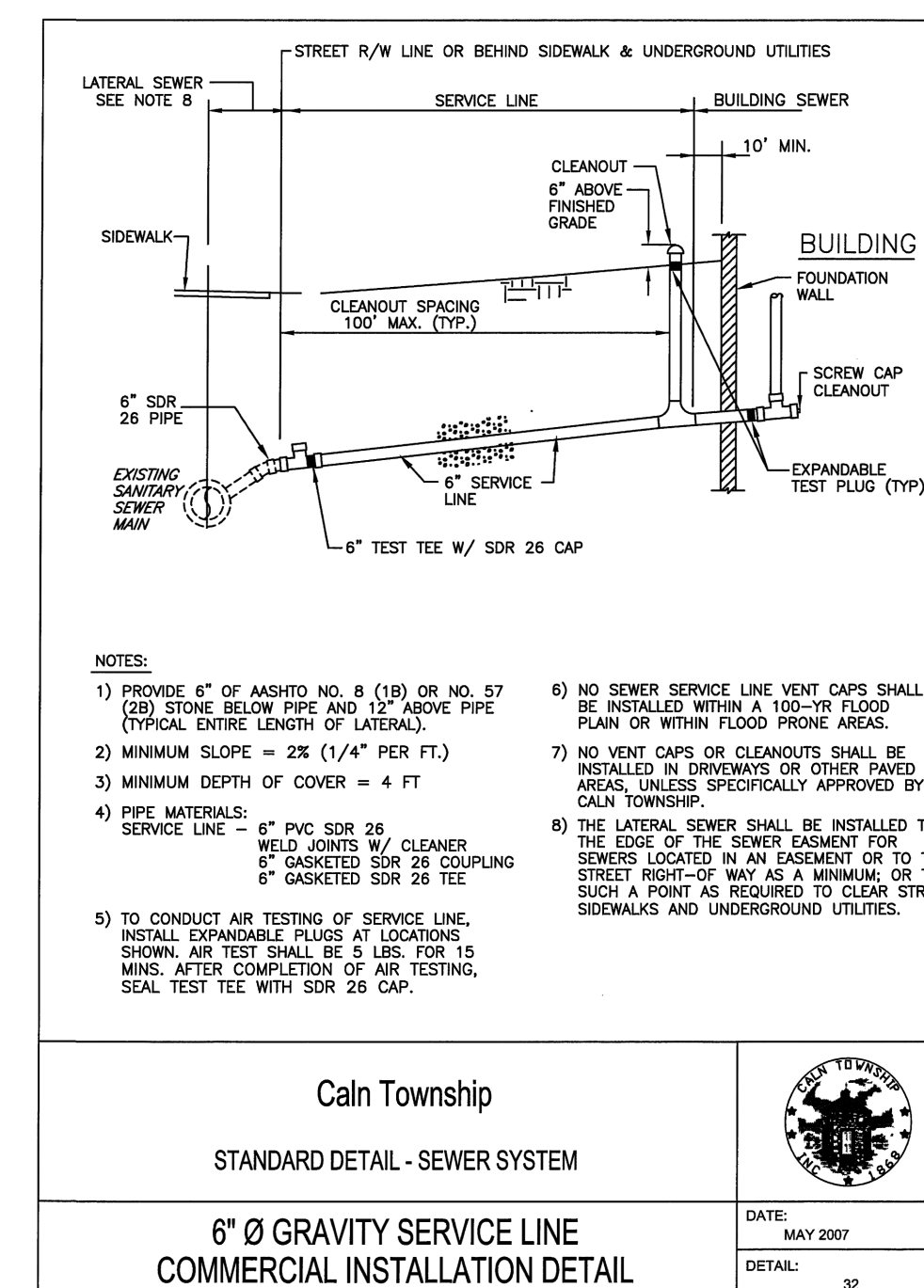
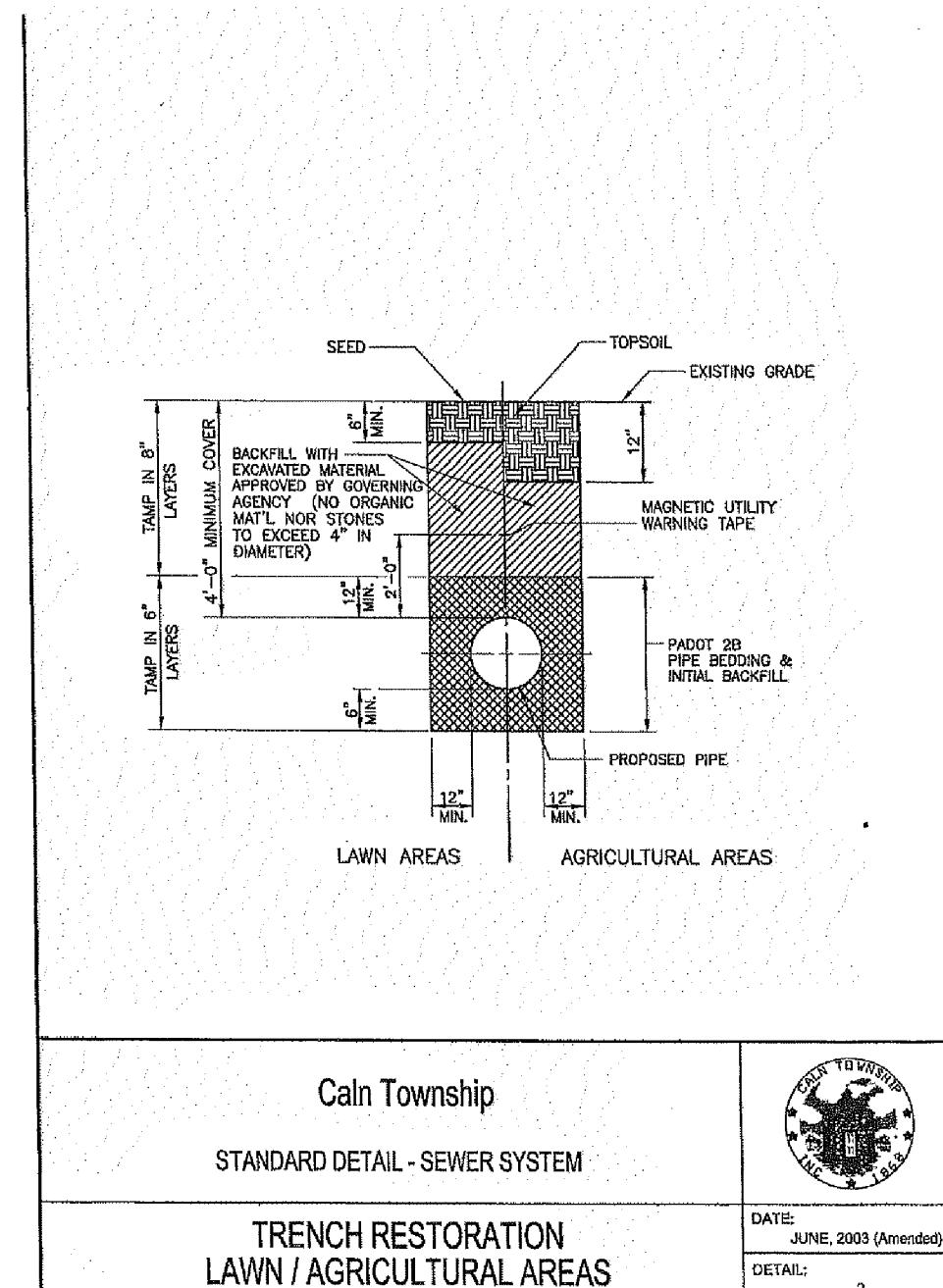
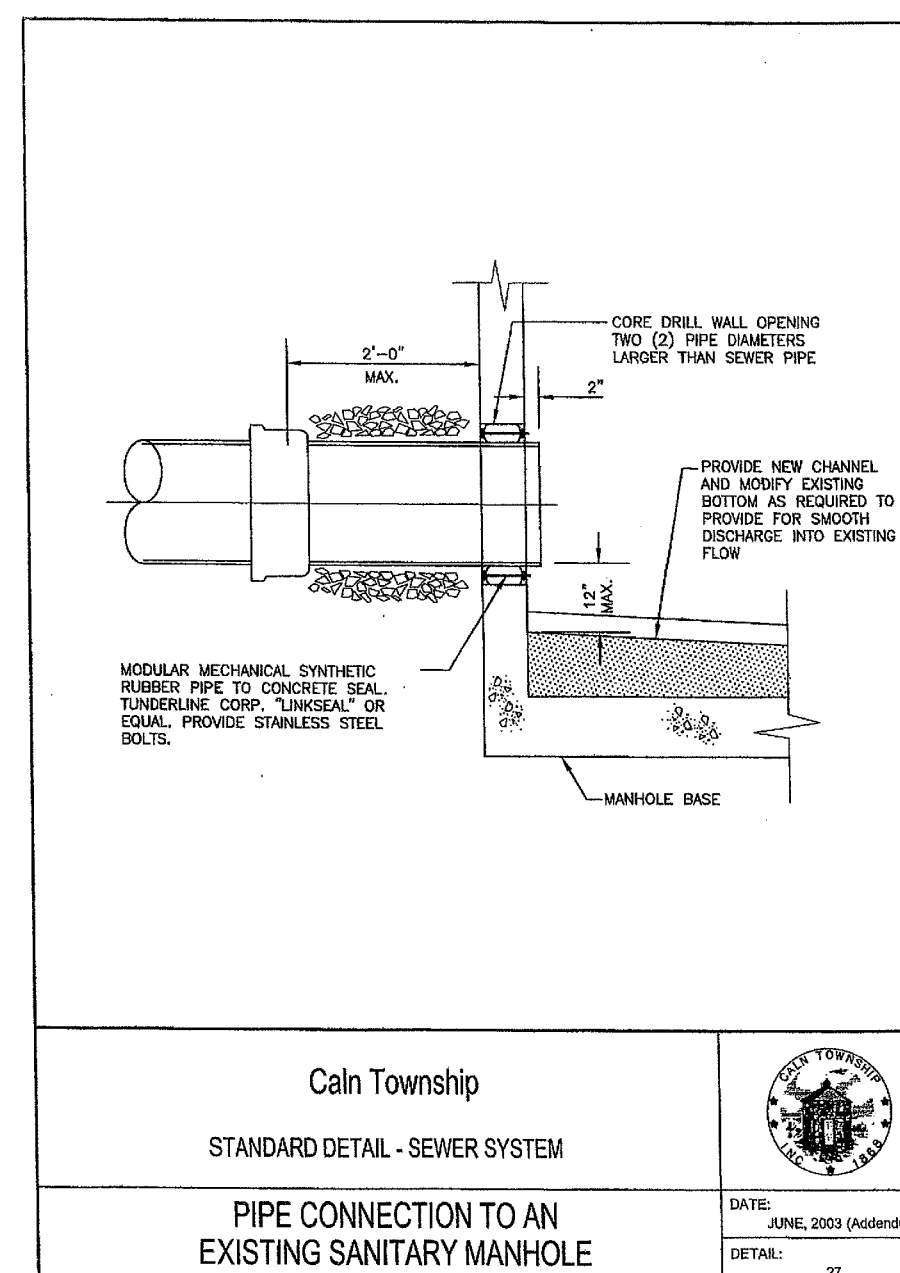
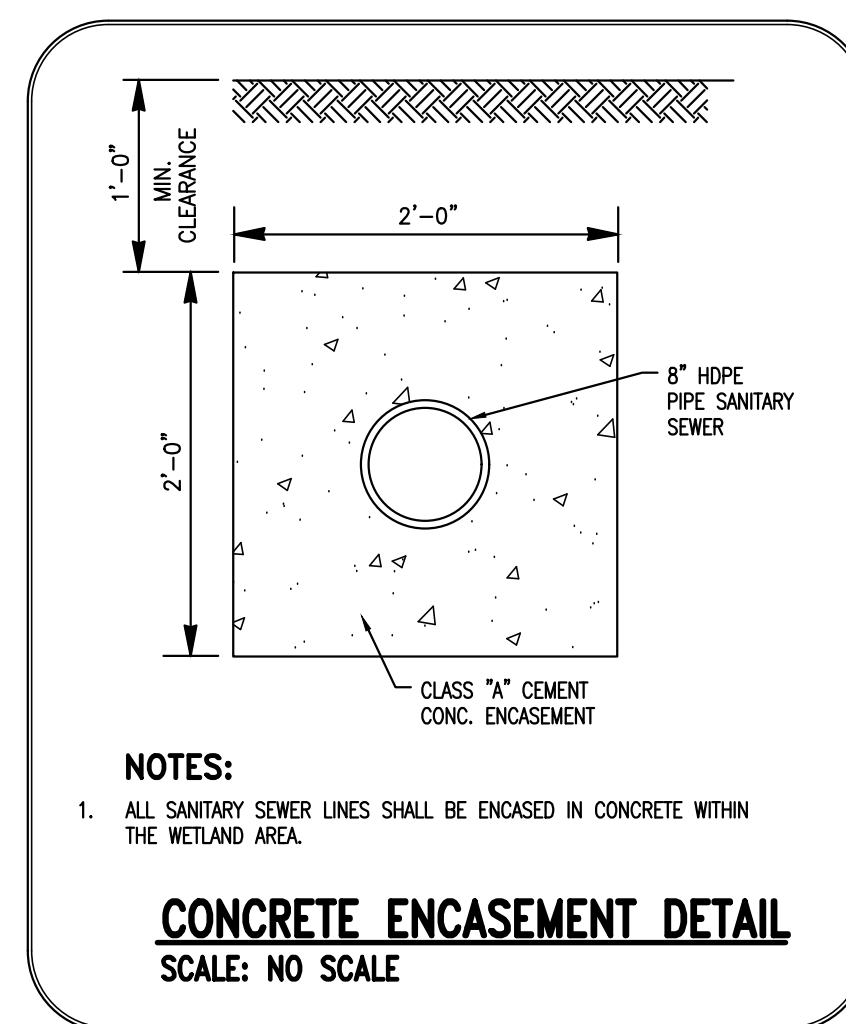
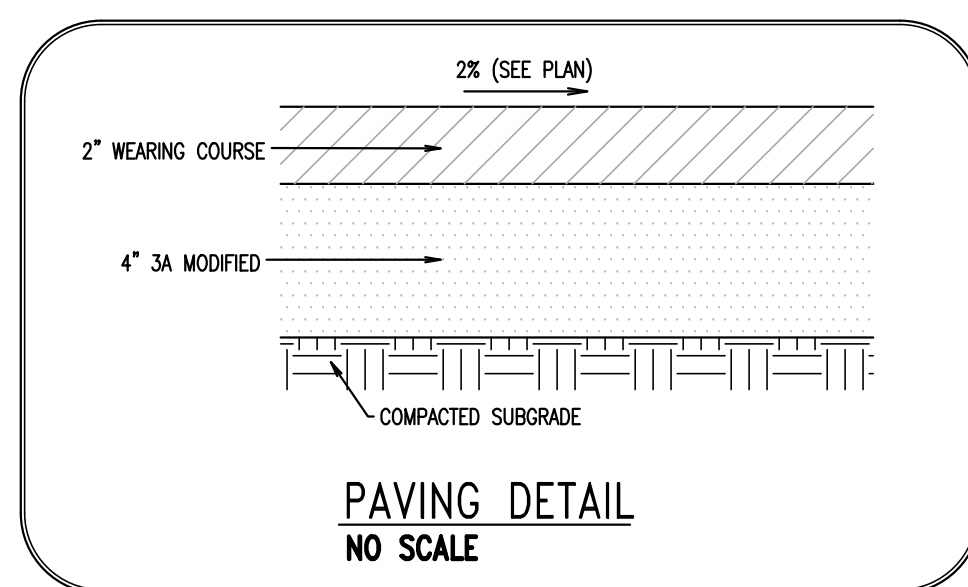


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1	03/06/20
RPN	DATE
REVISIONS PER TOWNSHIP REVIEW LETTERS DATED 01/13/20	
DESCRIPTION	

**DETAILS**

CLIENT: JAMES DIDOMENICO  
 PROJECT: SANITARY LINE  
 LOCATION: 4575 W LINCOLN HIGHWAY  
 CALN TOWNSHIP, CHESTER COUNTY, PA

DATE:	11/15/19
SCALE:	AS SHOWN
DRAWN BY:	ADM
CHECKED BY:	CMD
PROJECT NO.:	3310
CAO FILE:	3310 PR.dwg
PLOTTED:	03/06/20
DRAWING NO.:	C02.1
SHEET	02 of 04



NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

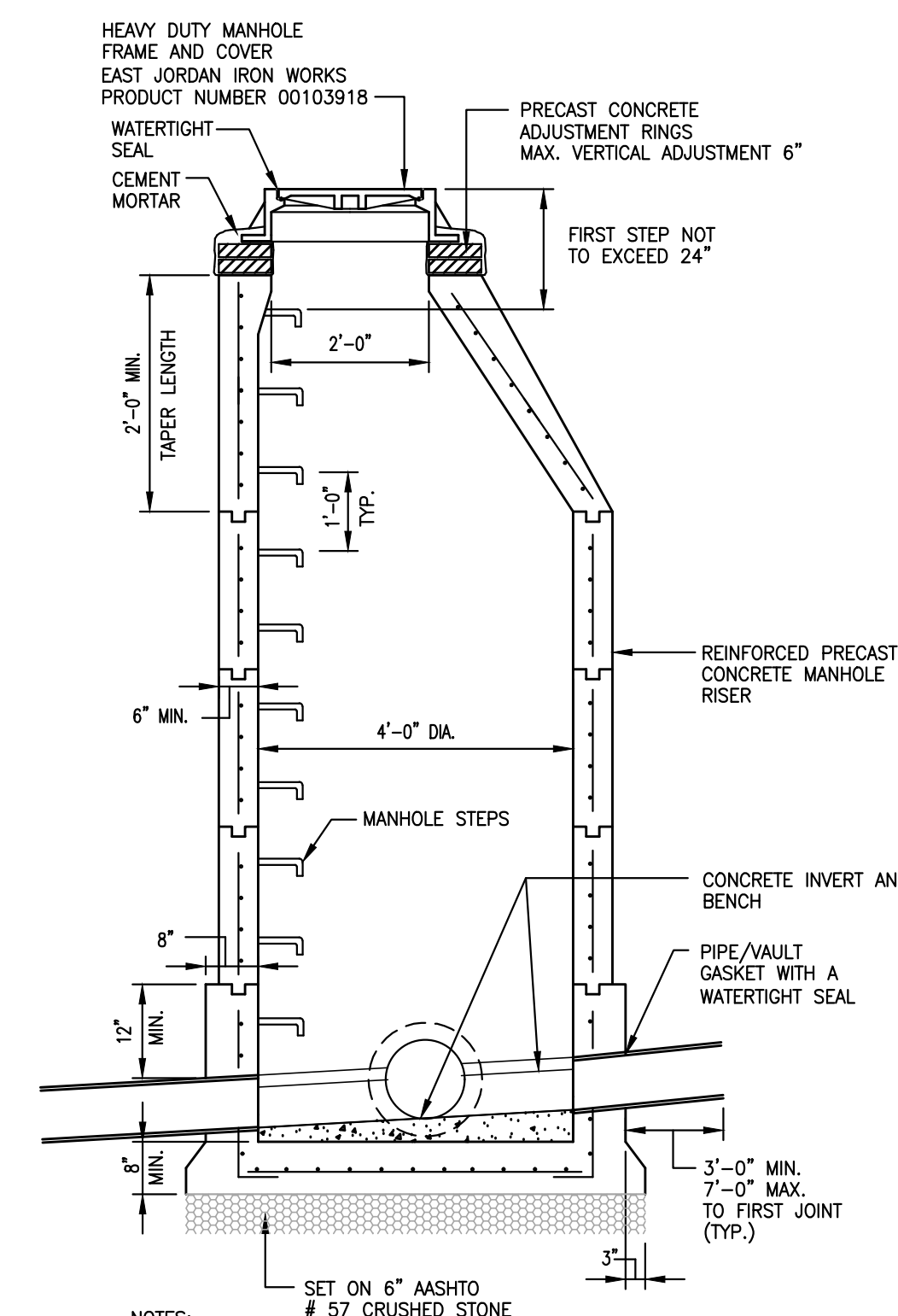
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**STANDARD CONSTRUCTION DETAIL #3-16**  
**PUMPED WATER FILTER BAG**

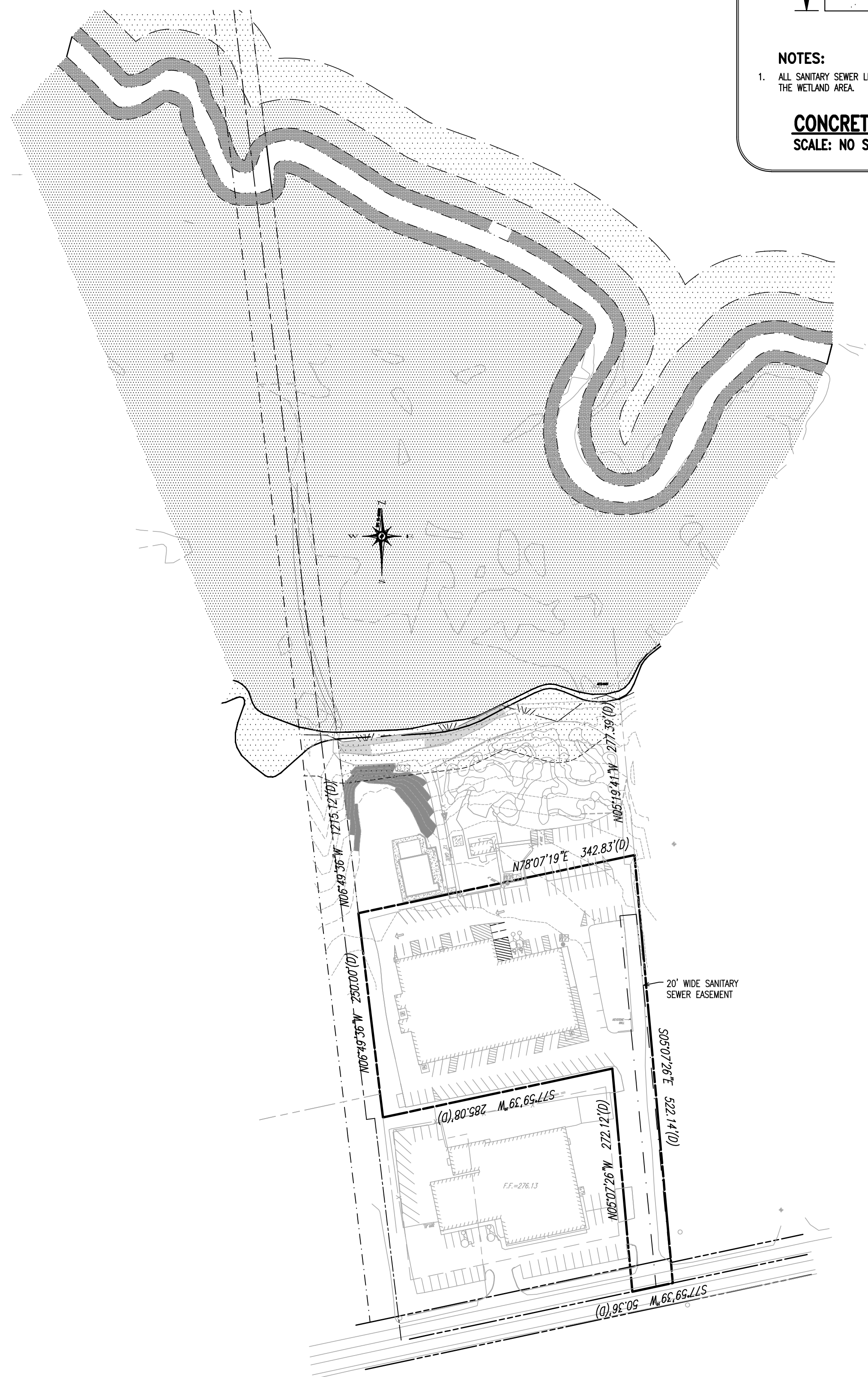
NOT TO SCALE



## NOTES

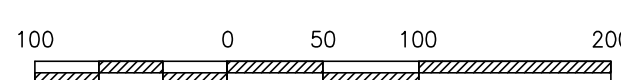
1. CONSTRUCT PRECAST CONCRETE MANHOLE IN ACCORDANCE WITH PADOT PUBLICATION 408 SPECIFICATIONS, DATED 1994 AND WITH PADOT STANDARDS FOR ROADWAY CONSTRUCTION PUBLICATION #72, RC-39 SHEETS 1 OF 5 THROUGH 5 OF 5 DATED 1995.
2. CONCRETE FOR PRECAST CONSTRUCTION SHALL BE 4,000 PSI MIN.
3. MANHOLE STEPS SHALL BE SPACED AS SHOWN IN A SINGLE VERTICAL ALIGNMENT. THE STEPS SHALL NOT BE STAGGERED.
4. TOP OF BENCH TO MATCH CORNER OF PIPE.
5. SEE THIS SHEET FOR DETAIL OF MANHOLE FRAME AND COVER.
6. ALL STORM MANHOLES AND INLETS SHALL HAVE SMOOTH FLOW-LINES GROUNED TO A HEIGHT OF  $3/4$  THE DIAMETER OF THE PIPE AND 3/8" TO 3/4" PSI GRINDING.
7. ADJUST TO GRADE WITH PRE-FORMED RUBBER OR CONCRETE GRADE RINGS (MAX VERTICAL ADJUST 6").

**PRECAST CONCRETE MANHOLE**  
NO SCALE



## OVERALL SITE PLAN

SCALE: 1" = 100'



GRAPHIC SCALE  
1 inch = 100 feet

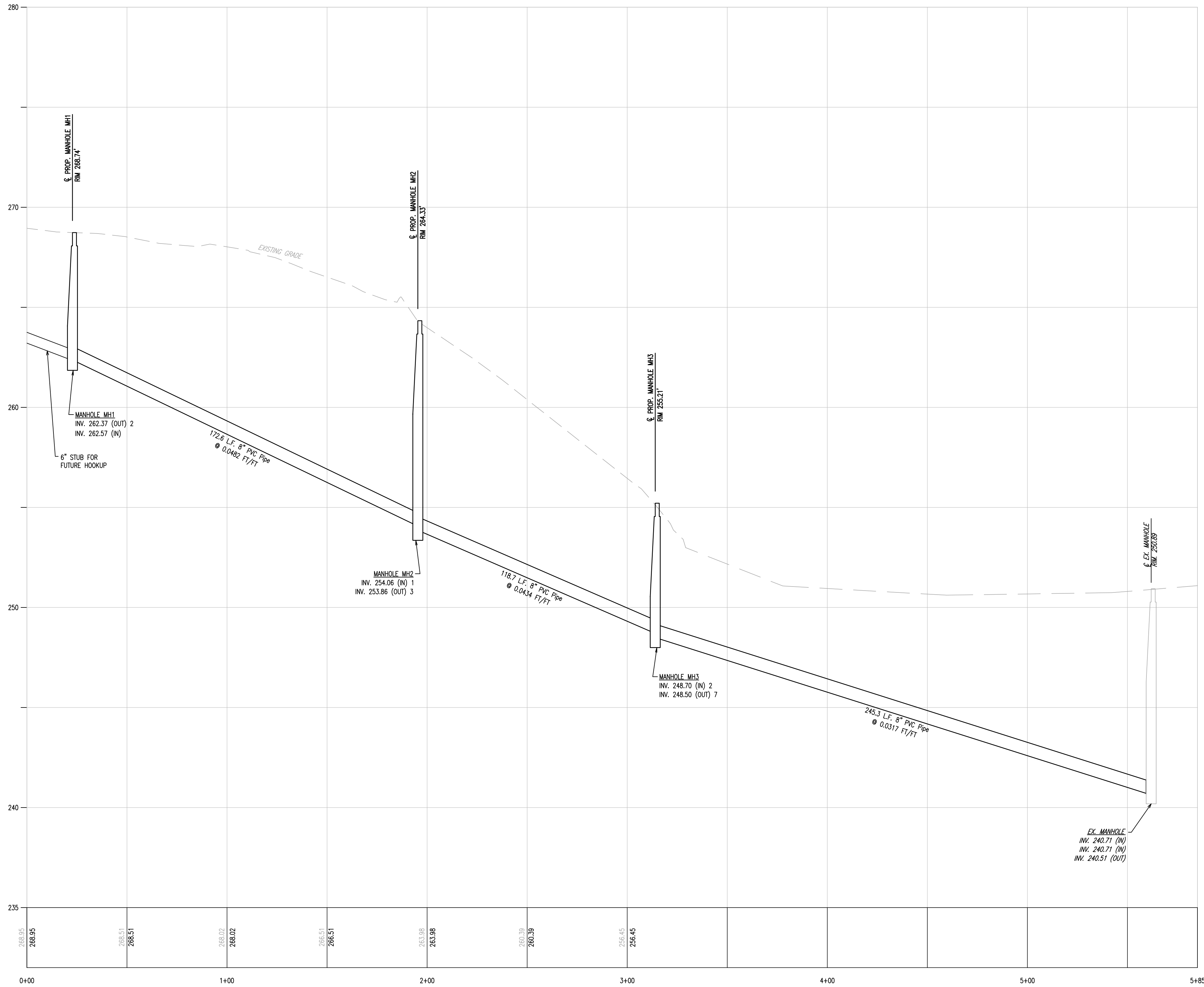




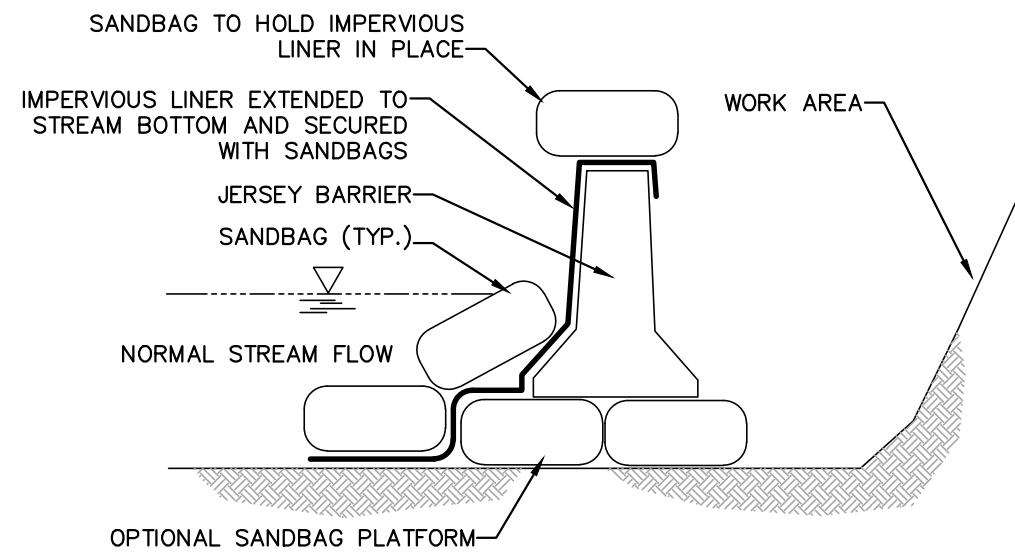
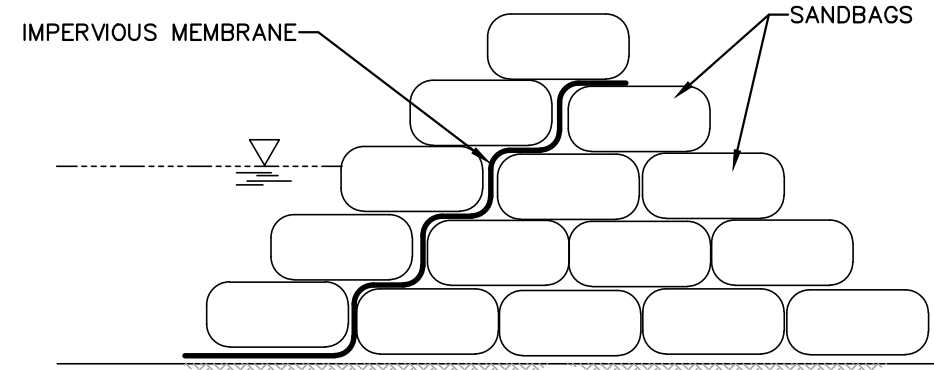
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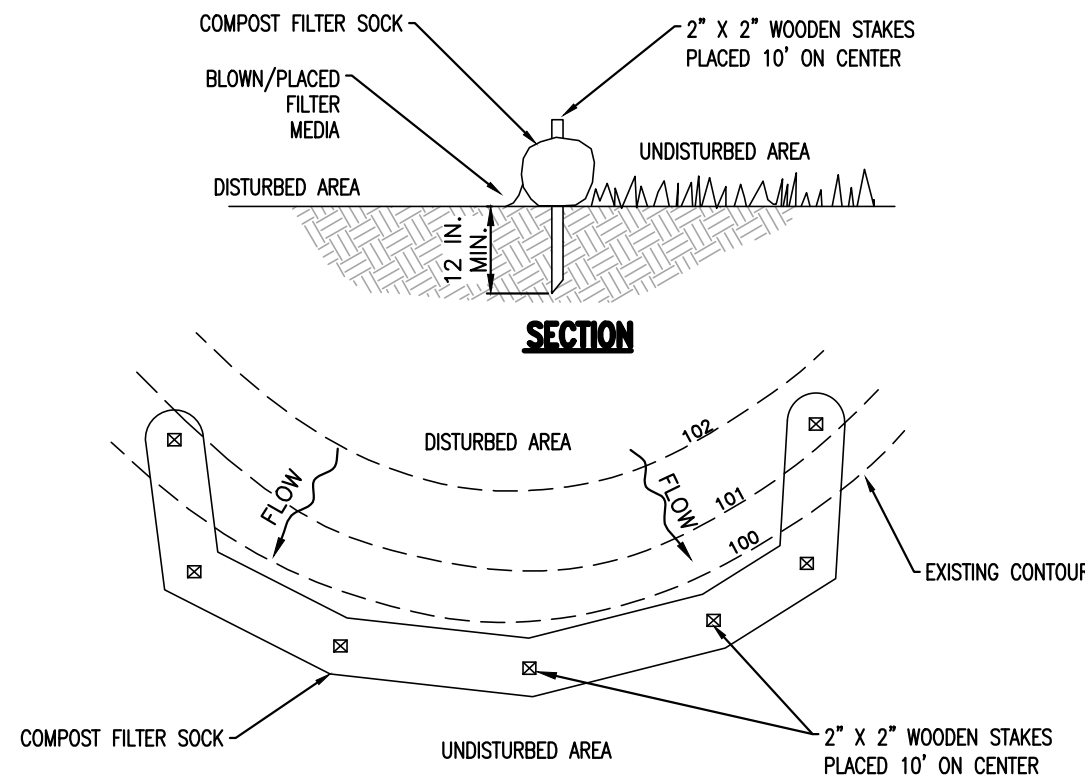
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Fax: (610) 918-9003



ALIGNMENT -- (1) PROFILE STA 0+00 -- 5+85.00  
HORIZ SCALE: 1"=30'  
VERT SCALE: 1"=3'



STANDARD CONSTRUCTION DETAIL #3-15  
SANDBAG DIVERSION DAM OR COFFERDAM  
NOT TO SCALE



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL #4-1  
COMPOST FILTER SOCK  
NOT TO SCALE



REV.	DATE	DESCRIPTION
1	03/06/20	REVISIONS PER TOWNSHIP REVIEW LETTERS DATED 01/13/20
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#### DETAILS

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PROJECT: SANTARY LINE  
LOCATION: 4575 W LINCOLN HIGHWAY  
CALN TOWNSHIP, CHESTER COUNTY, PA

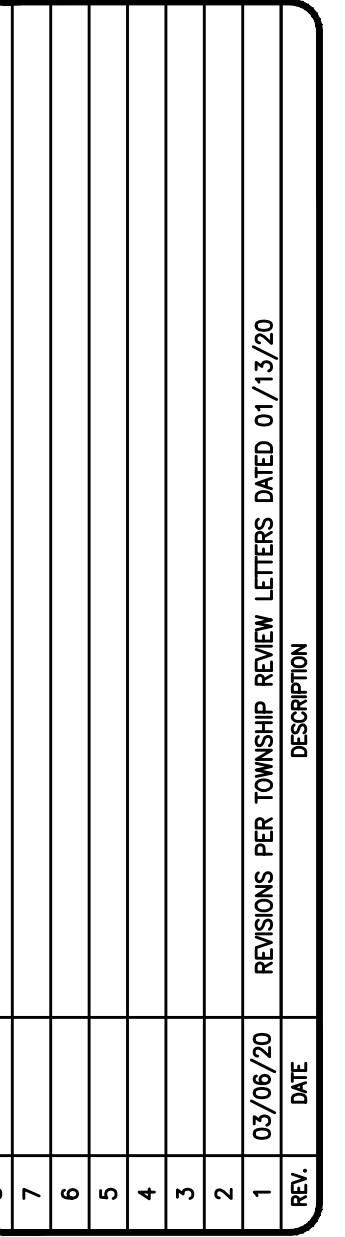
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1	03/06/20
REV.	DATE

## EXISTING OVERALL SITE PLAN

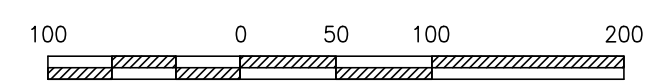
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PROJECT: SANITARY LINE  
LOCATION: 4575 W LINCOLN HIGHWAY  
CALN TOWNSHIP, CHESTER COUNTY, PA

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## OVERALL SITE PLAN

SCALE: 1" = 100'



**GRAPHIC SCALE**  
1 inch = 100 feet