

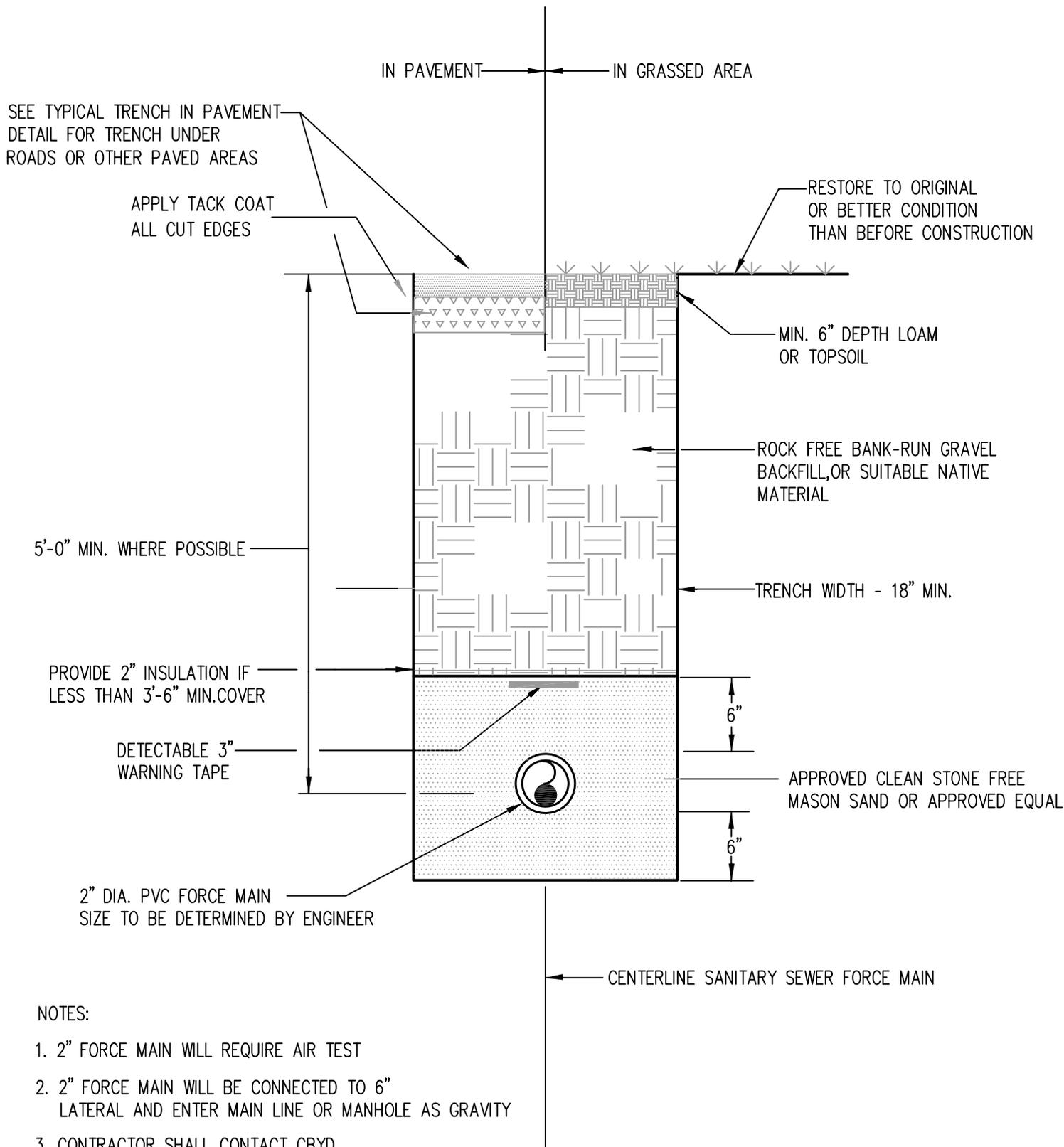
NOTE:

FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC<sup>-1</sup> AND ADS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

<p><b>TOWN OF AVON</b>          60 WEST MAIN STREET AVON, CONN.  <b>ENGINEERING DEPT.</b></p>	
<p><b>COMBINATION UNDERDRAIN</b></p>	
<p>SCALE: NONE</p>	<p>DATE: 9-03-2006</p>



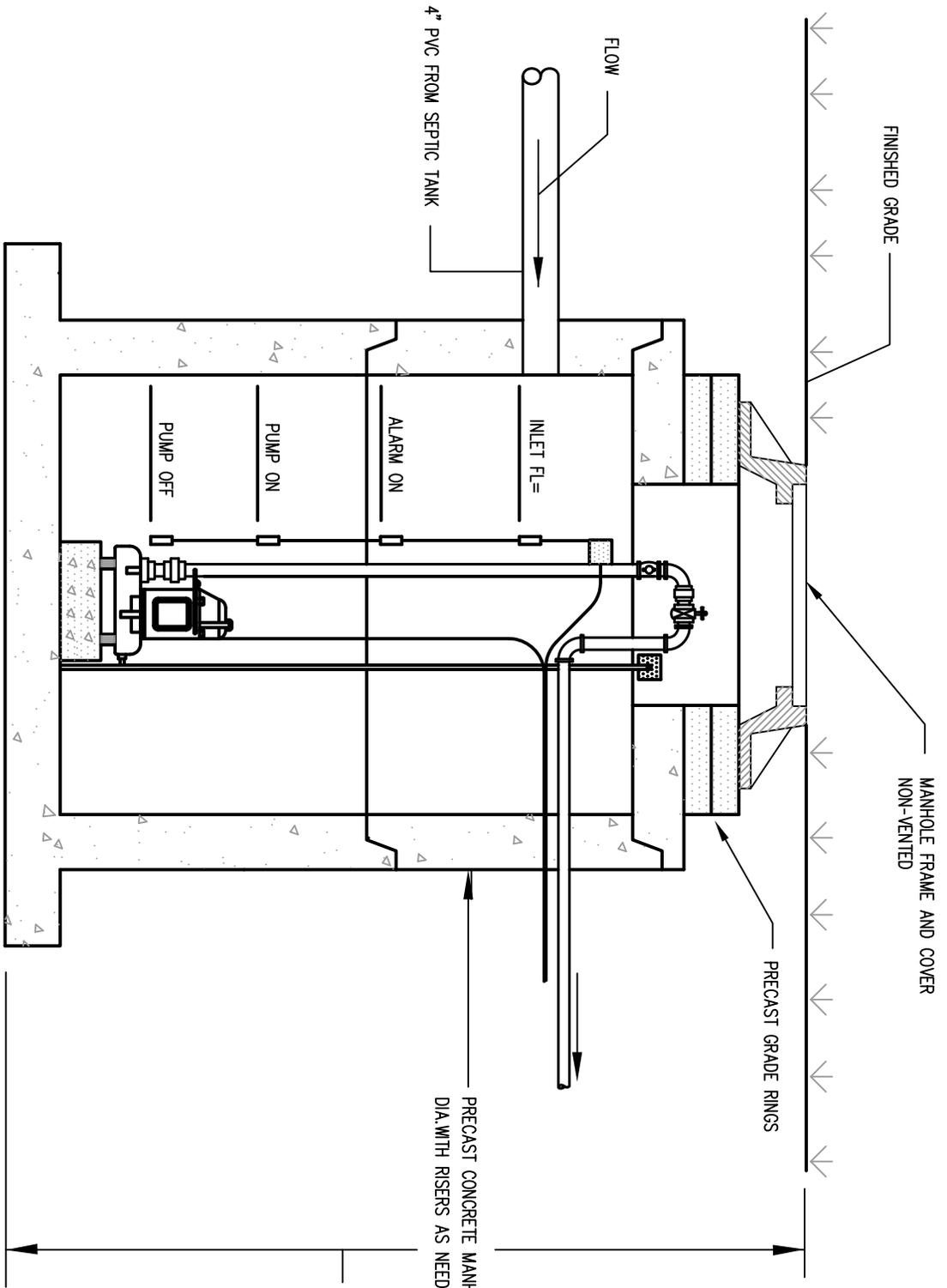
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NOTES:

1. 2" FORCE MAIN WILL REQUIRE AIR TEST
2. 2" FORCE MAIN WILL BE CONNECTED TO 6" LATERAL AND ENTER MAIN LINE OR MANHOLE AS GRAVITY
3. CONTRACTOR SHALL CONTACT CBYD PRIOR TO ANY CONSTRUCTION

<b>TOWN OF AVON</b> 60 WEST MAIN STREET AVON, CONN. <b>ENGINEERING DEPT.</b>	
<b>RESIDENTIAL FORCE MAIN</b>	
<b>SCALE: NONE</b>	<b>DATE: 6-13-11</b>



FINISHED GRADE

MANHOLE FRAME AND COVER  
NON-VENTED

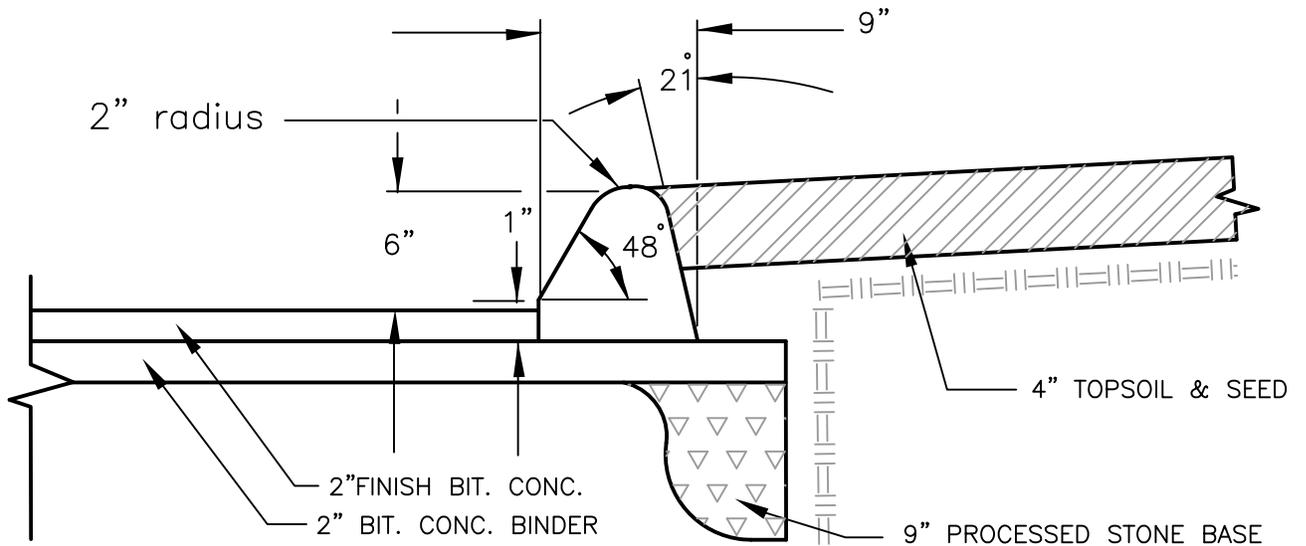
PRECAST CONCRETE MANHOLE RISER 3'  
DIA. WITH RISERS AS NEEDED OR APPROVED EQUAL.

PRECAST CONCRETE MANHOLE RISER 3'  
DIA. WITH RISERS AS NEEDED OR APPROVED EQUAL.

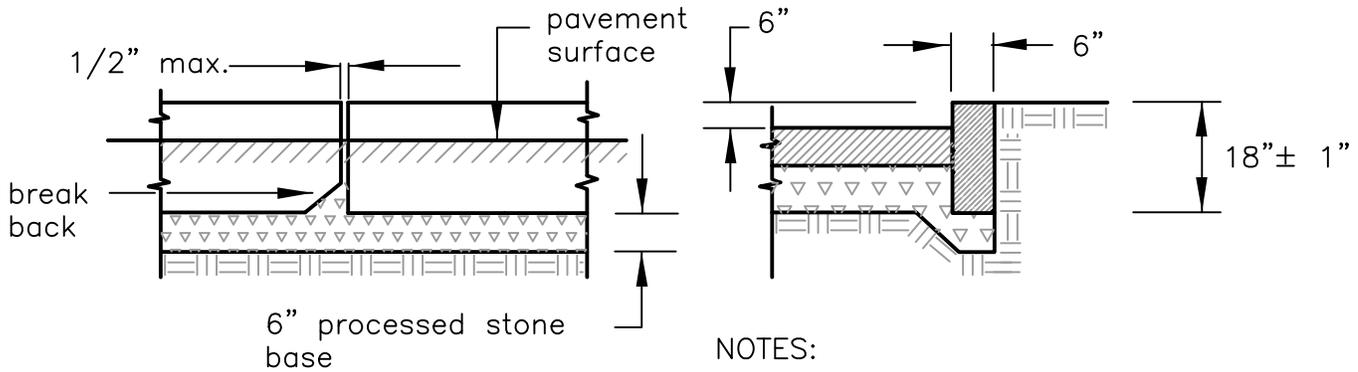
VARIES

<b>TOWN OF AVON</b>	
60 WEST MAIN STREET	AVON, CONN.
<b>ENGINEERING DEPT.</b>	
<b>RESIDENTIAL PUMP CHAMBER</b>	
SCALE: NONE	DATE: 10-29-07

BITUMINOUS CONCRETE LIP CURBING



GRANITE VERTICAL CURBING

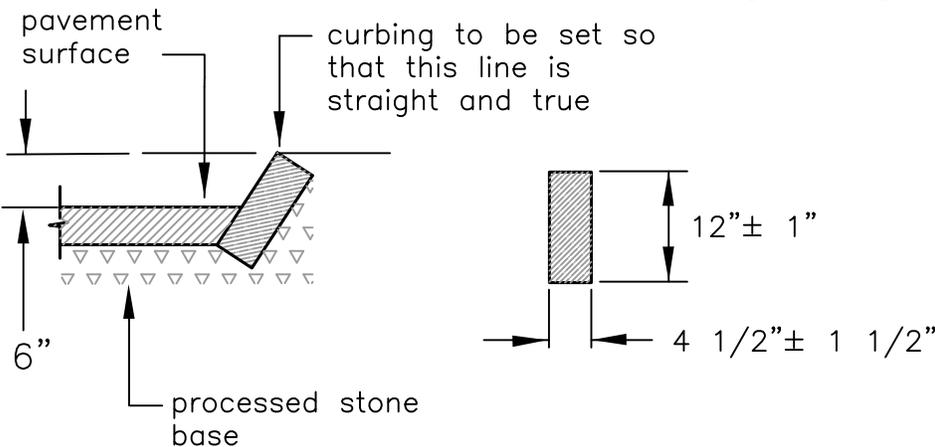


NOTES:

1. Finish to be sawn top, split face, with jointed 8" smooth quarry split from top.
2. Breakback:  
 9" for curb lengths  
 6' or more  
 6" for curb lengths less than 6'
3. Minimum length is 6'.

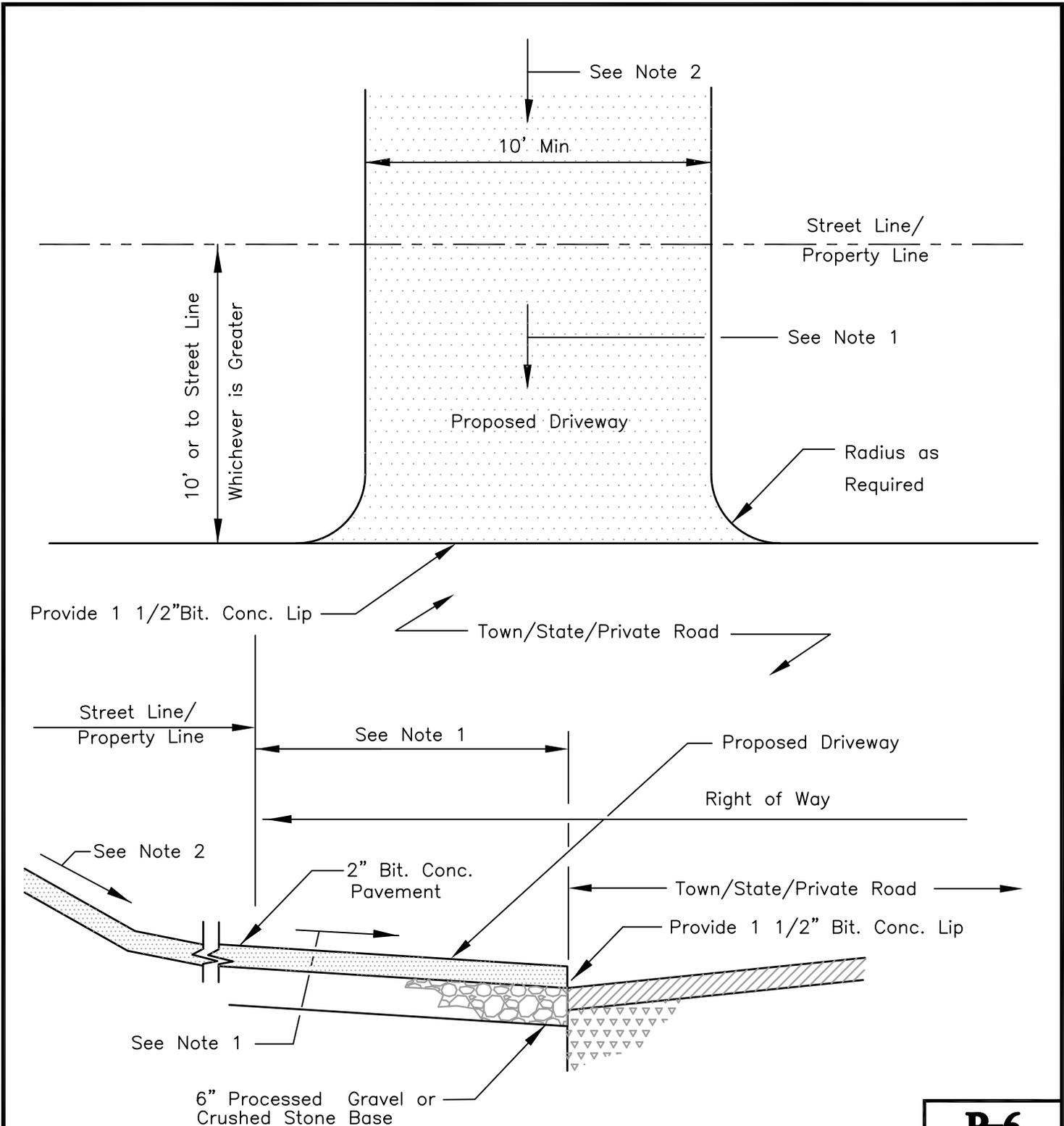
GRANITE SLOPE CURBING

Minimum length 2'



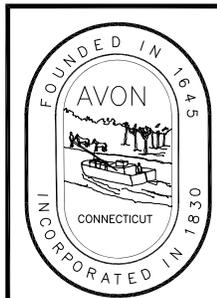
<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
<b>ENGINEERING DEPT.</b>	
STANDARD TOWN OF AVON BITUMINOUS CONCRETE LIP & GRANITE CURB SECTIONS	
SCALE: NONE	DATE: 6-18-04

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**NOTES:**

1. REQUIRED GRADE OF +1% TO +5% IN CUT OR FILL AREAS TO BE MAINTAINED FOR A DISTANCE OF 10FT. FROM GUTTER LINE OR TO THE STREET LINE, WHICHEVER IS GREATER OR AS DIRECTED BY THE TOWN ENGINEER.
2. MAXIMUM ALLOWABLE GRADE IS 14% AT ANY POINT ON THE DRIVEWAY, OUTSIDE OF THE RIGHT-OF-WAY.
3. ALL MATERIALS ARE TO MEET THE REQUIREMENTS OF THE CONNECTICUT D.O.T. STANDARDS, FORM 816 AS AMENDED.



**TOWN OF AVON**

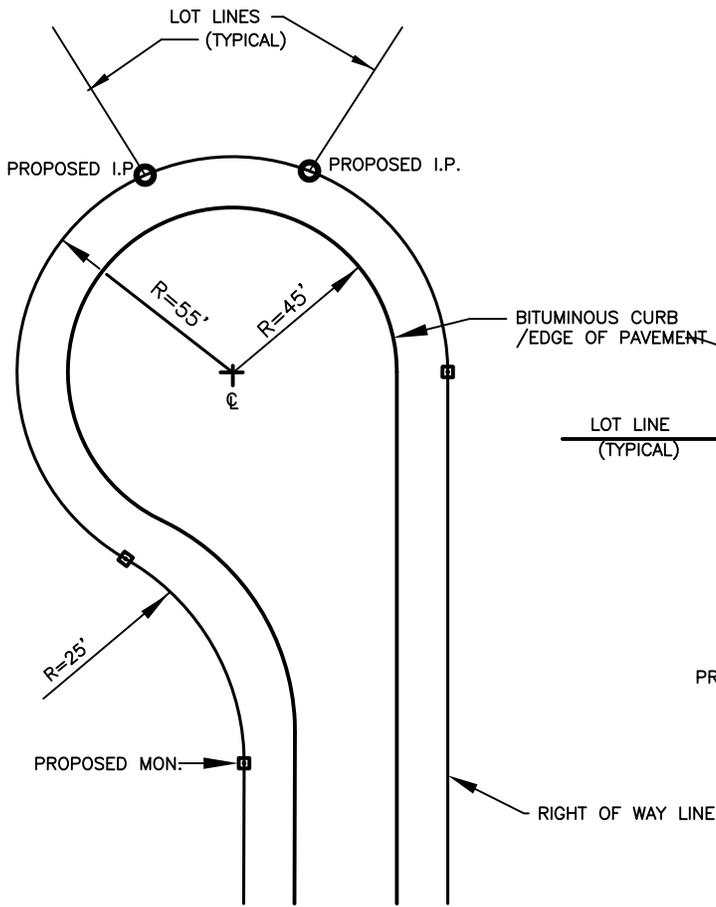
60 WEST MAIN STREET AVON, CONN.  
ENGINEERING DEPT.

**TYPICAL DRIVEWAY SECTION**

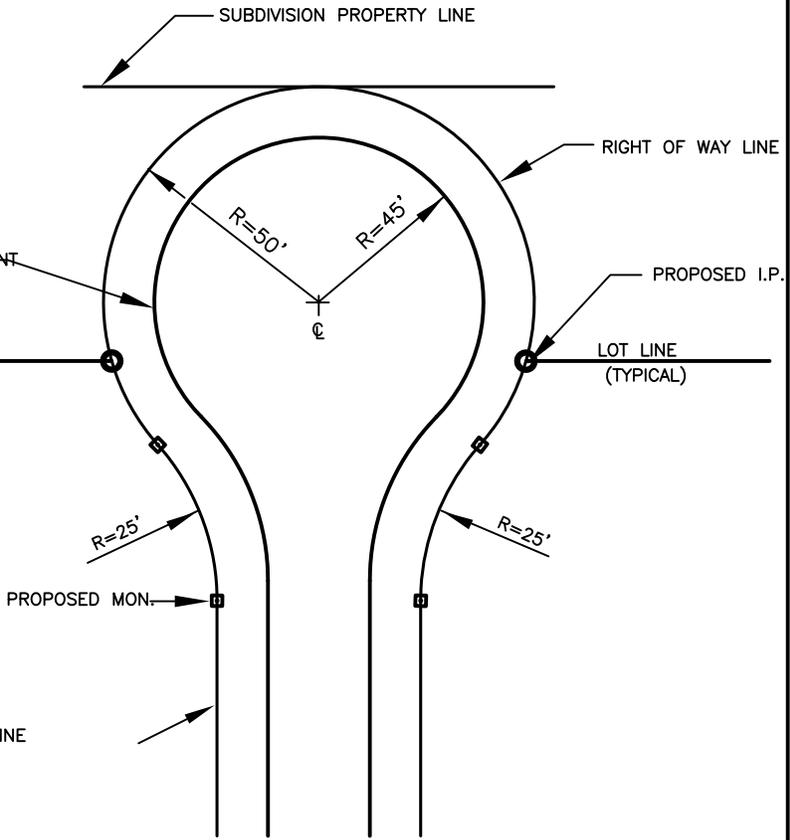
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DATE: 5/1/13

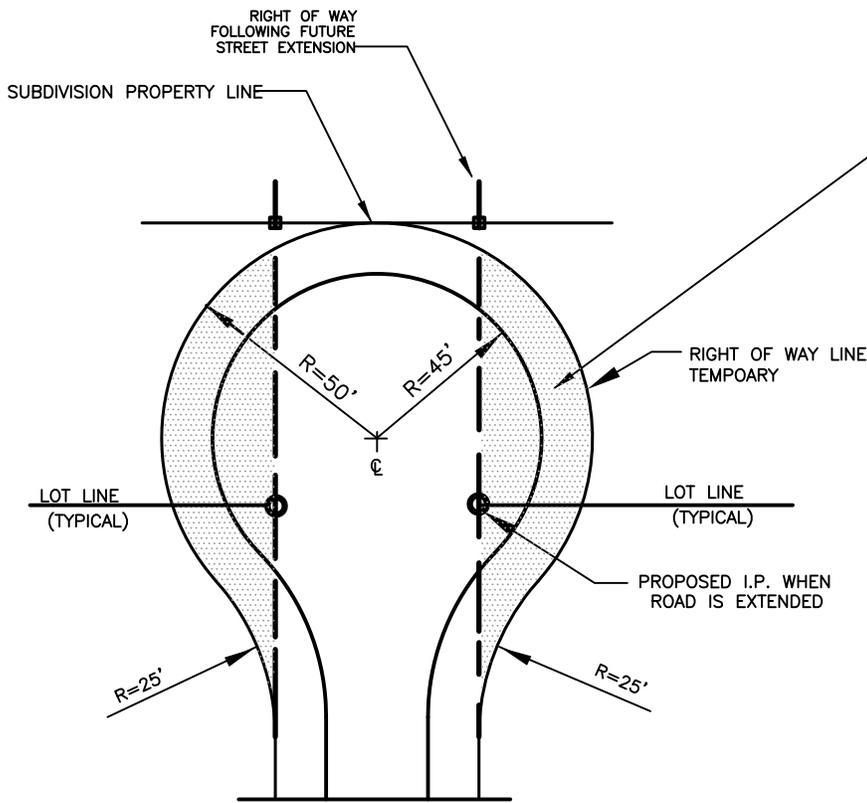
**P-6**



PERMANENT RESIDENTIAL  
CUL-DE-SAC



PERMANENT RESIDENTIAL  
CUL-DE-SAC



TEMPORARY  
RESIDENTIAL CUL-DE-SAC

THIS PROPERTY REVERTS TO ABUTTING PROPERTY OWNERS WHEN STREET IS EXTENDED. PAVEMENT REMOVAL, GRADING, SEEDING, AND ALL OTHER WORK INCIDENTAL TO REMOVING CUL-DE-SAC ARE REQUIRED UPON STREET EXTENSION

**TOWN OF AVON**  
**60 WEST MAIN STREET AVON, CONN.**  
**ENGINEERING DEPT.**

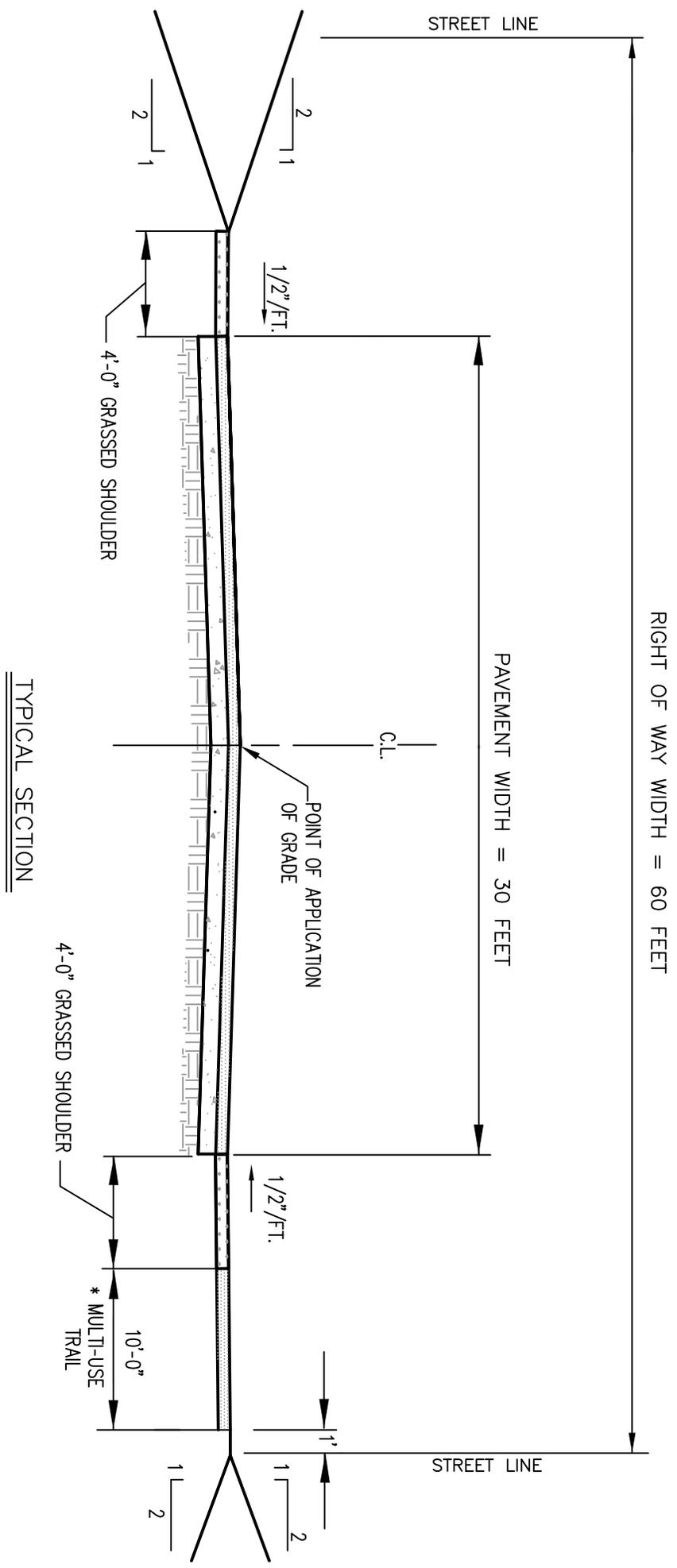
**RESIDENTIAL CUL-DE-SAC**  
**DETAILS**

**DESIGN: L.E.B.**

**DRAWN BY: L.J.P.**

**SCALE: NONE**

**DATE: 4-26-05**

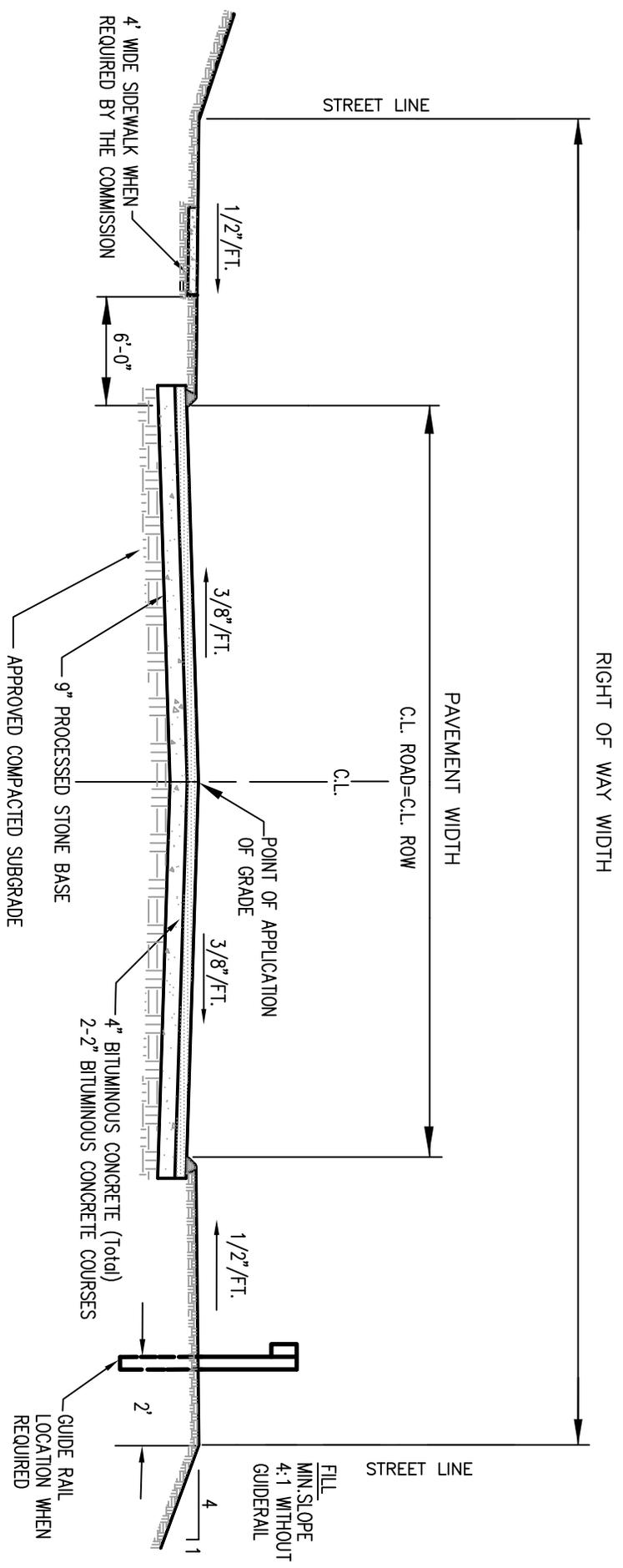


FUNCTIONAL CLASSIFICATION  
 MINOR ARTERIAL – URBAN – RURAL

DESIGN SPEED – 40 m.p.h.

\* LOCATION OF MULTI-USE TRAIL MAY VARY SIGNIFICANTLY FROM TYPICAL SECTION IN ORDER TO MINIMIZE GRADING.

<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
ENGINEERING DEPT.	
TYPICAL ROADWAY CONSTRUCTION	
SCALE: NONE	DATE: 3-28-2011

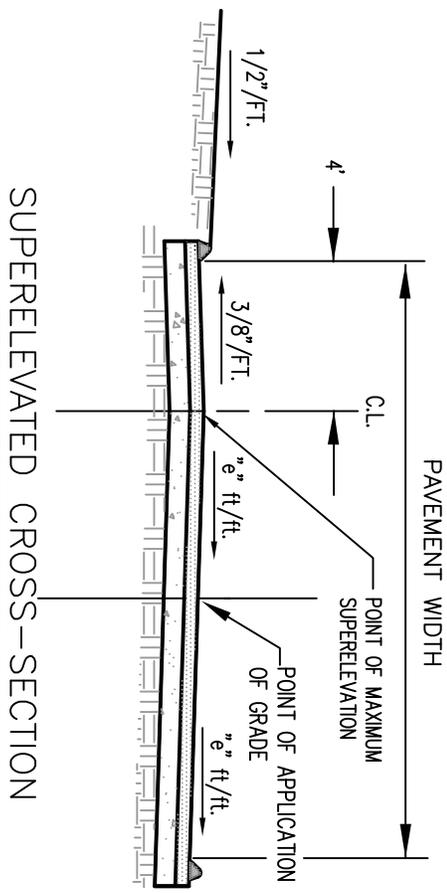


\* REINFORCED CONCRETE SURFACE MAY BE SUBSTITUTED WITH APPROVAL OF THE COMMISSION  
 \* COMPACTION TESTING FOR SUBGRADE AND PAVEMENT REQUIRED BY TOWN ENGINEER

NON-SUPERELEVATED CROSS-SECTION

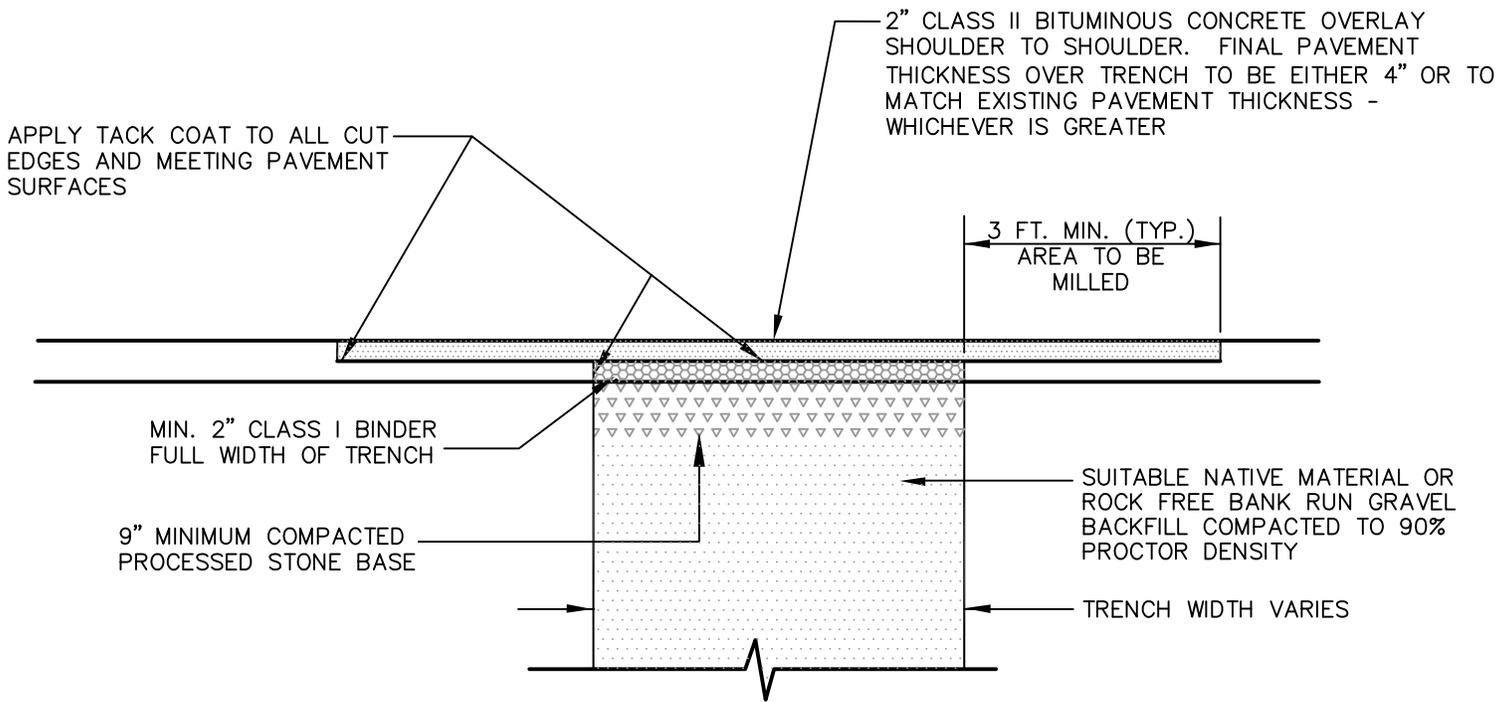
$$e^{90} = \frac{0.067 (0.75v)^2}{R}$$

$0.03 \leq e^{90} \leq 0.06$   
 $e^{90}$  - RATE OF SUPERELEVATION IN FT./FT.  
 $v^{90}$  - DESIGN VELOCITY IN M.P.H.  
 R - RADIUS OF CURVE

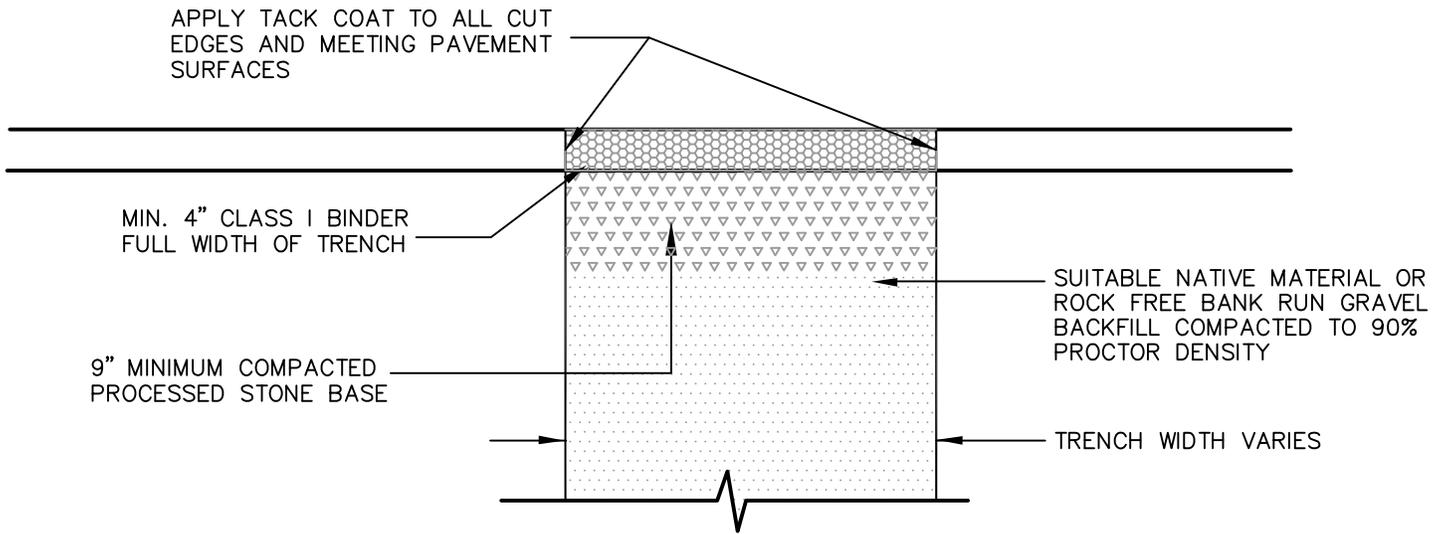


SUPERELEVATED CROSS-SECTION

<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
<b>ENGINEERING DEPT.</b>	
TYPICAL RIGHT OF WAY GRADING AND DESIGN DATA	
SCALE: NONE	DATE: 2-06-09



TYPICAL PERMANENT TRENCH IN PAVEMENT DETAIL



TYPICAL TEMPORARY TRENCH IN PAVEMENT DETAIL

**NOTES:**

1. PAVEMENT IS TO BE SAW-CUT UPON COMPLETION OF BACKFILL AND COMPACTION. TACK COAT IS TO BE APPLIED AND TEMPORARY PAVEMENT PLACED AND COMPACTION.
2. PERMANENT PAVEMENT PATCH TO BE COMPLETED 6 TO 9 MONTHS AFTER CONSTRUCTION OF TEMPORARY PAVEMENT PATCH. THIS WORK IS TO BE COORDINATED WITH AVON ENGINEERING DEPARTMENT.
3. FOR PERMANENT PATCH, EXISTING ROAD (AND TEMPORARY PATCH) IS TO BE MILLED TO A DEPTH OF 2" MIN. FOR THE WIDTH OF THE TRENCH AND A DISTANCE OF 3 FT OUTSIDE OF SAW-CUT EDGE. NEW PAVEMENT THICKNESS TO BE 4" MINIMUM OR TO MATCH EXISTING PAVEMENT THICKNESS - WHICHEVER IS GREATER.
4. WITHIN LIMITS OF CONN. STATE HIGHWAYS, CONNDOT REQUIREMENTS SHALL GOVERN FOR PAVEMENT, BASE, AND RELATED SPECIFICATIONS.

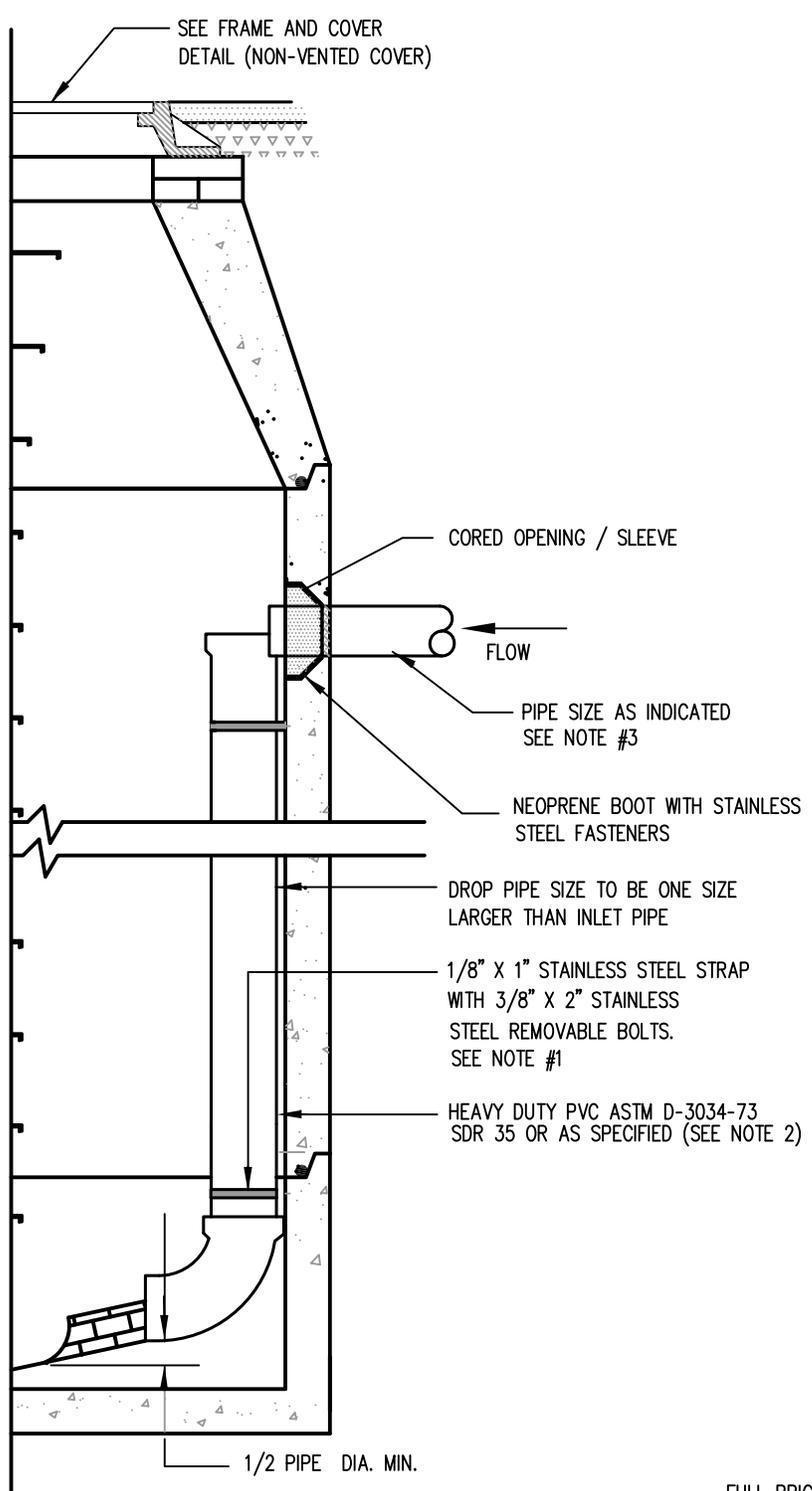
**TOWN OF AVON**  
**60 WEST MAIN STREET AVON, CONN.**  
**ENGINEERING DEPT.**

**TYPICAL TRENCH IN PAVEMENT DETAIL**

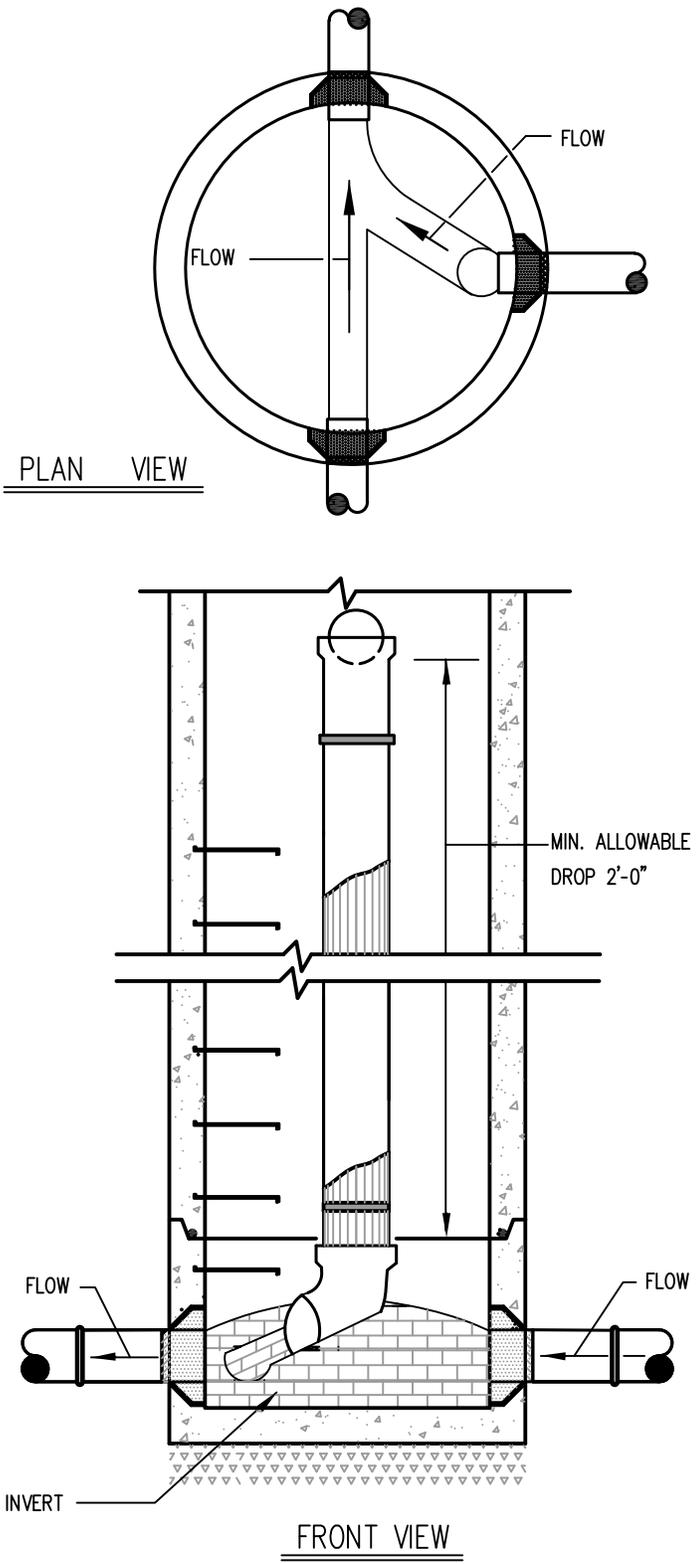
**SCALE: NONE**

**DATE: 6-13-11**

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SECTION VIEW



PLAN VIEW

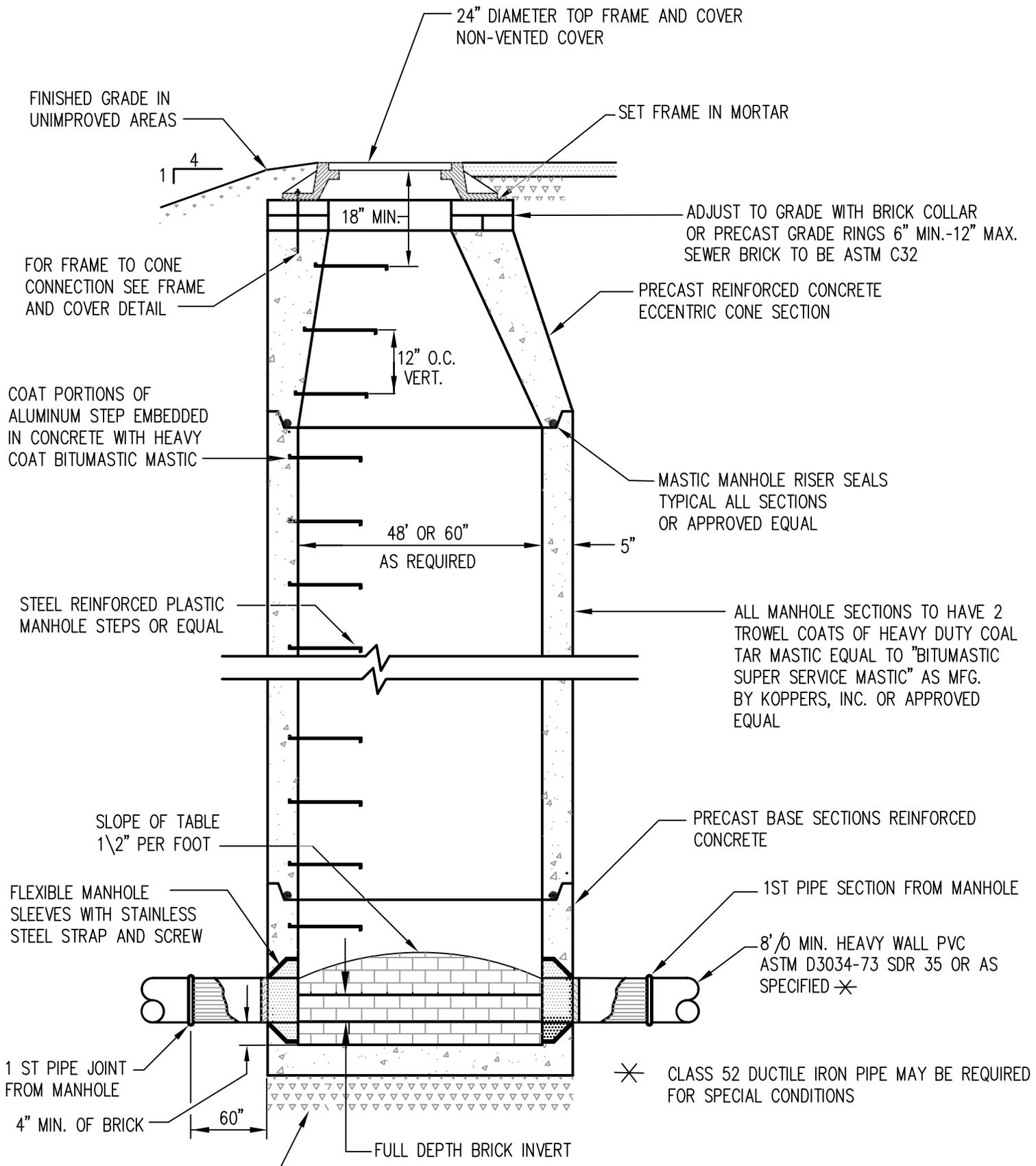
FRONT VIEW

NOTES

- 1) STRAPS SHALL BE PLACED A MAX. OF 4'-0" O.C. WITH END STRAPS LOCATED A MAX. DISTANCE OF 12" FROM THE BELL END AND 90 DEGREE ELBOW
- 2) CLASS 52 DUCTILE IRON PIPE MAY BE REQUIRED FOR SPECIAL CONDITIONS
- 3) DUCTILE IRON PIPE SHALL BE USED AS THE INLET TO THE DROP (MIN. 10' LONG)
- 4) INVERT BRICK CHANNEL DEPTH SHALL BE BETWEEN 1/2 DIA. OF OUTLET PIPE
- 5) NEOPRENE BOOT SHALL BE CAST IN PLACE OR INSTALLED IN A CORED HOLE. THE CORED HOLE SHALL BE A MIN. OF 6" FROM A SECTIONAL JOINT.

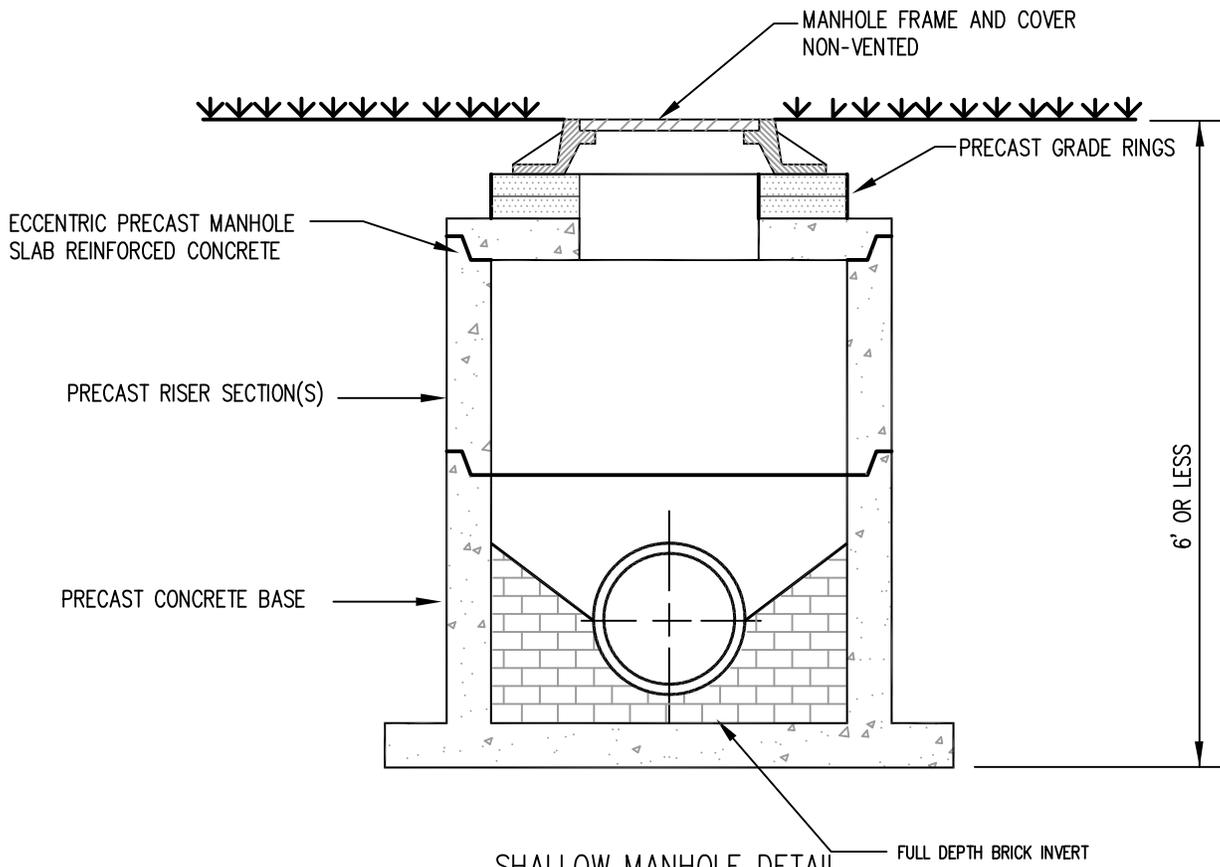
<b>TOWN OF AVON</b>	
<b>60 WEST MAIN STREET AVON, CONN.</b>	
<b>ENGINEERING DEPT.</b>	
<b>STANDARD DROP MANHOLE DETAIL</b>	
<b>SCALE: NONE</b>	<b>DATE: 6-13-11</b>

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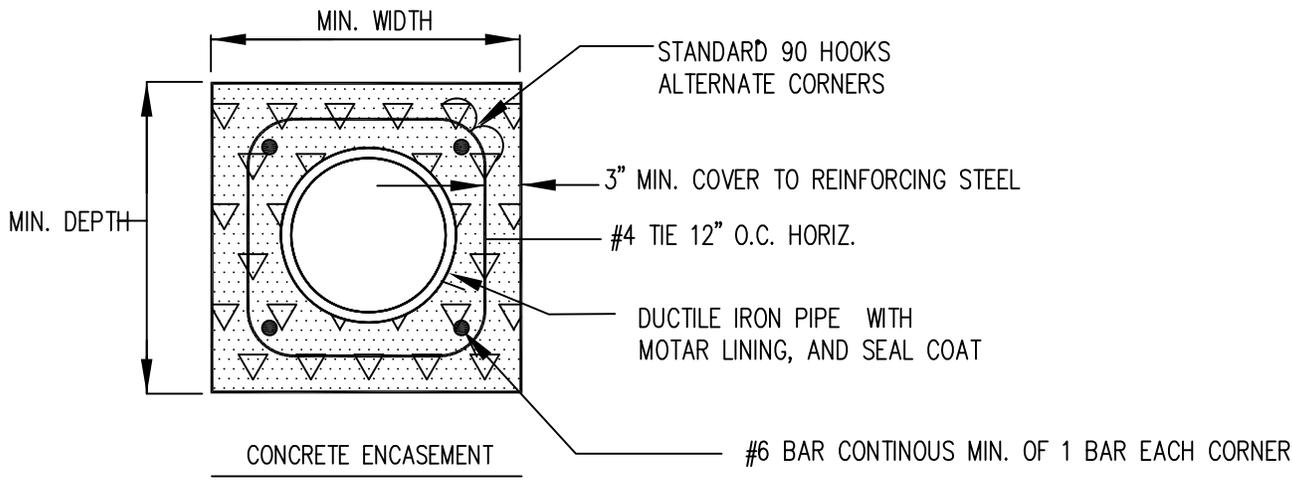
- NOTES:
1. FRAME AND COVER TO BE EQUAL TO WATERBURY FOUNDRY PATTERN NO. 3424 MDC (HARTFORD METROPOLITAN DISTRICT STANDARD) OR APPROVED EQUAL
  2. WHEN MORE THAN 3 LINES ENTER AND/OR LEAVE THE MANHOLE USE A 60" DIAMETER MANHOLE

<b>TOWN OF AVON</b>	
<b>60 WEST MAIN STREET AVON, CONN.</b>	
<b>ENGINEERING DEPT.</b>	
<b>STANDARD MANHOLE DETAIL</b>	
<b>SCALE: NONE</b>	<b>DATE: 6-13-11</b>



NOTES

1. MANHOLE TO BE REINFORCED TO MEET ASTM C478 AND AASHTO H-20-44 LOADING
2. SEE STANDARD MH DETAIL FOR DETAILED REQUIREMENTS



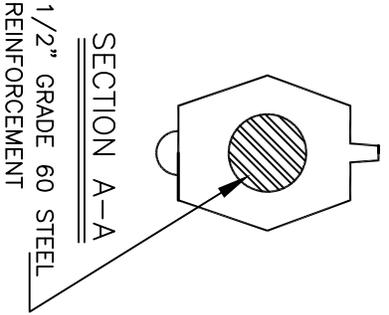
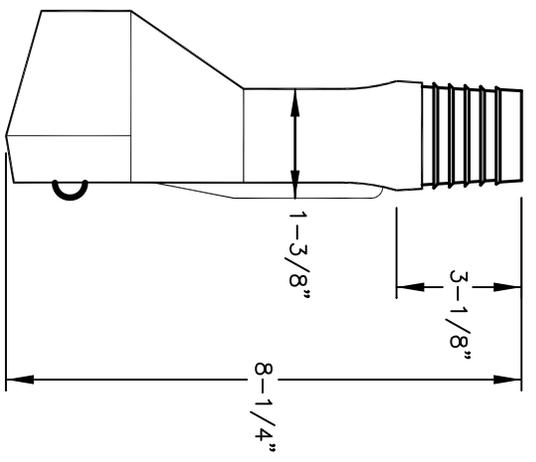
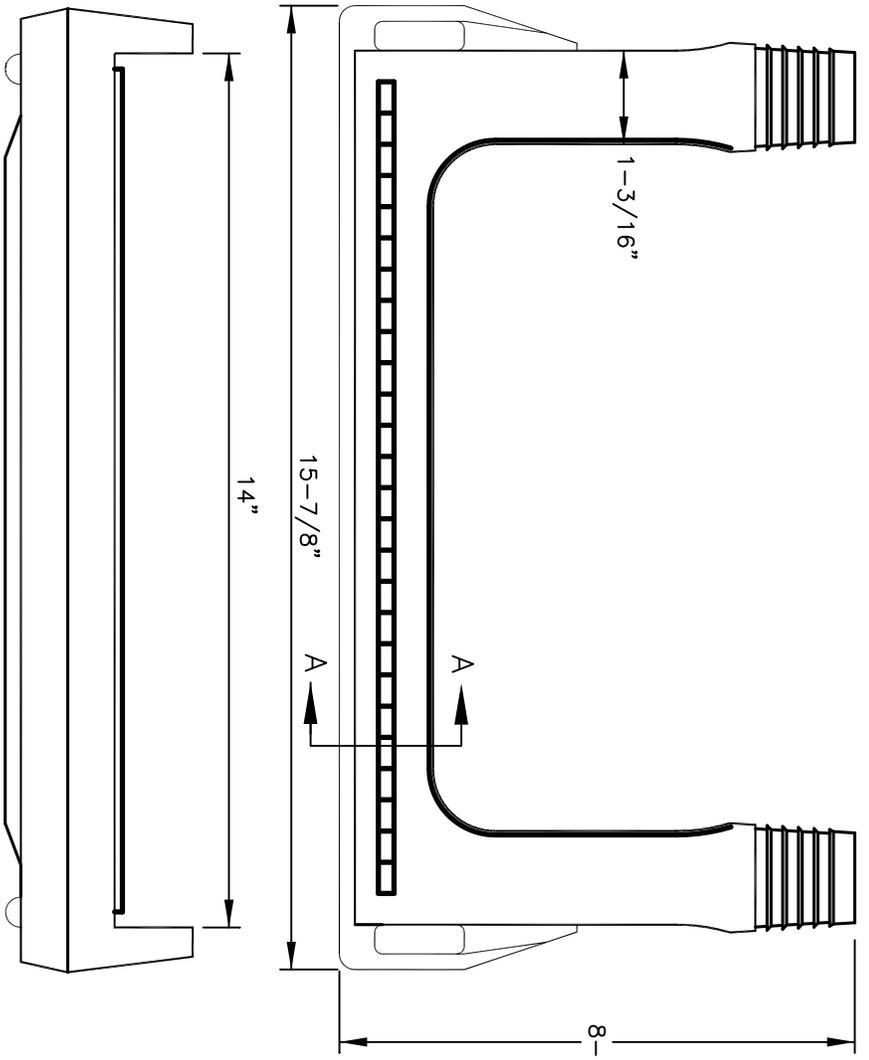
CONCRETE ENCASEMENT TABLE				
PIPE DIA.	6"	8"	12"	15"
WIDTH AND DEPTH	18"	20"	24"	30"

NOTES

- 1) CONCRETE TO BE 2500 PSI
- 2) REINFORCEMENT TO BE DEFORMED BARS GRADE 40
- 3) WITHIN LIMITS OF ENCASEMENT PIPE TO BE DUCTILE IRON

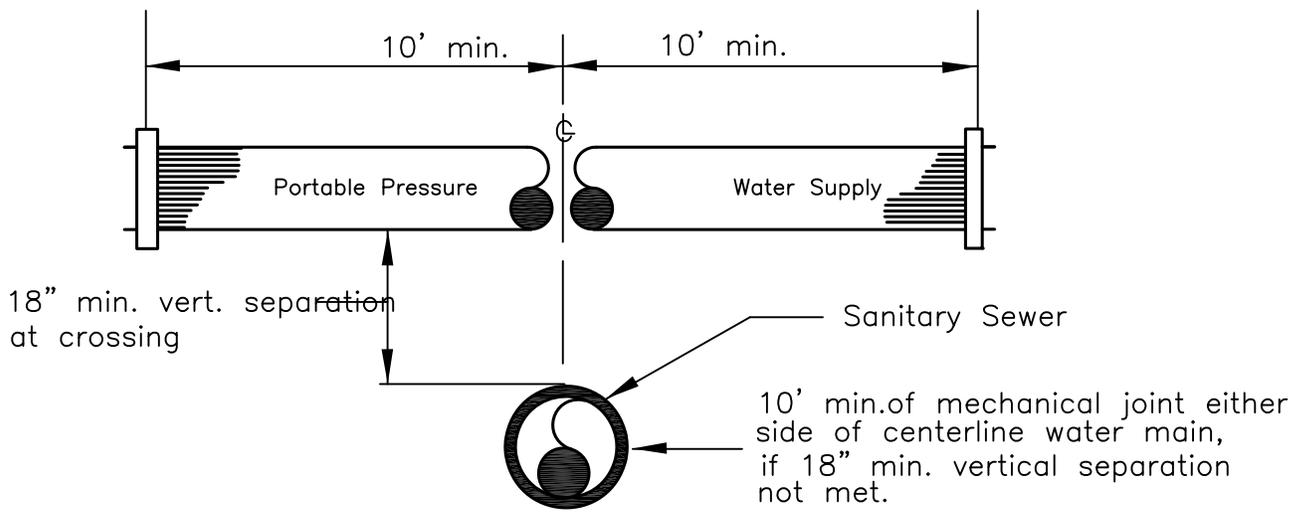
<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
<b>ENGINEERING DEPT.</b>	
<b>SHALLOW MANHOLE CONSTRUCTION CONCRETE ENCASEMENT</b>	
<b>SCALE: NONE</b>	<b>DATE: 10-25-07</b>

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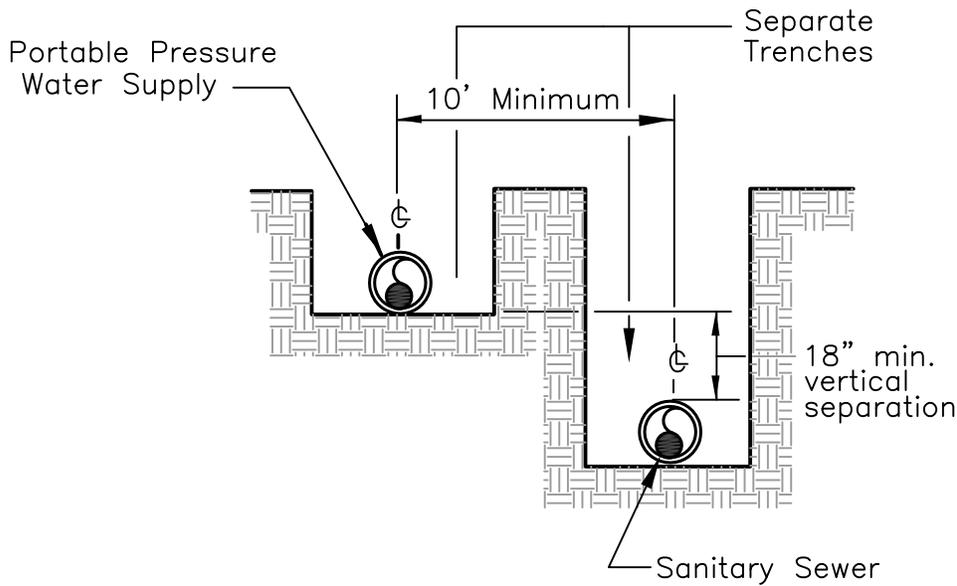


PLASTIC OR FIBERGLASS MANHOLE STEP

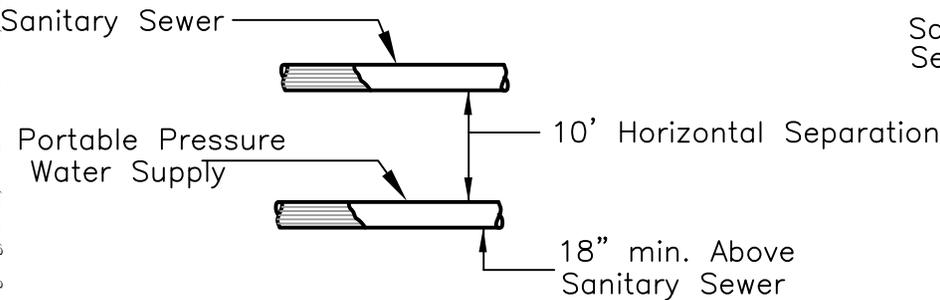
<b>TOWN OF AVON</b>	
60 WEST MAIN STREET	AVON, CONN.
<b>ENGINEERING DEPT.</b>	
<b>PLASTIC OR FIBERGLASS MANHOLE STEP</b>	
SCALE: NONE	DATE: 8-20-99



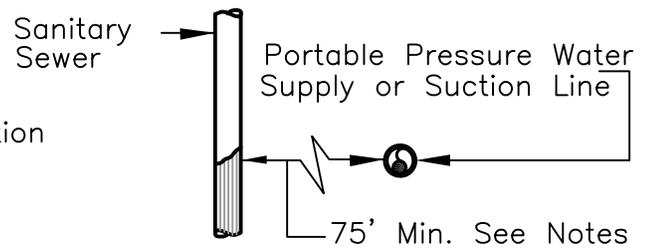
MINIMUM VERTICAL SEPARATION



TRENCH SECTION



PREFERRED HORIZONTAL SEPARATION



HORIZONTAL SEPARATION TO WELL

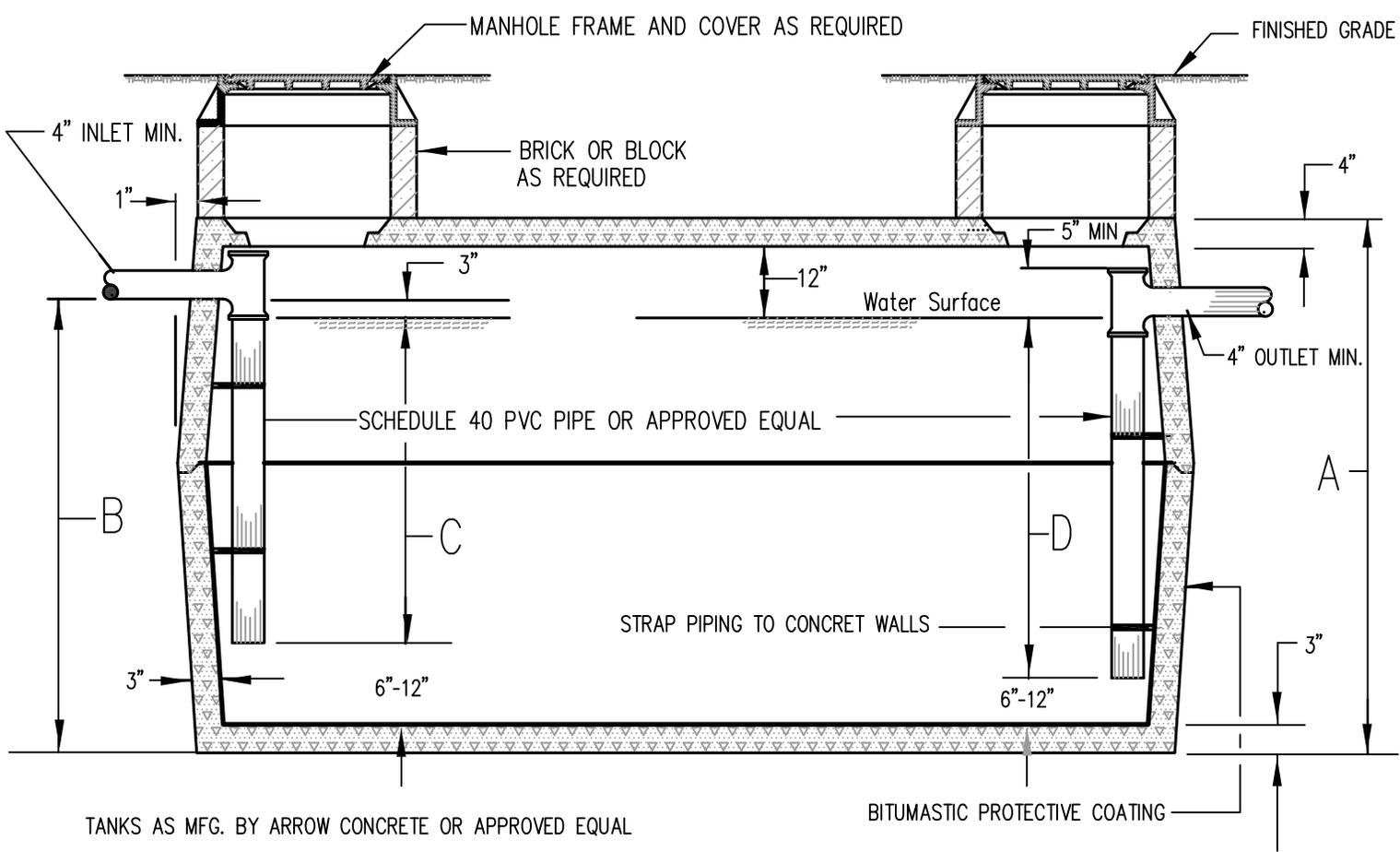
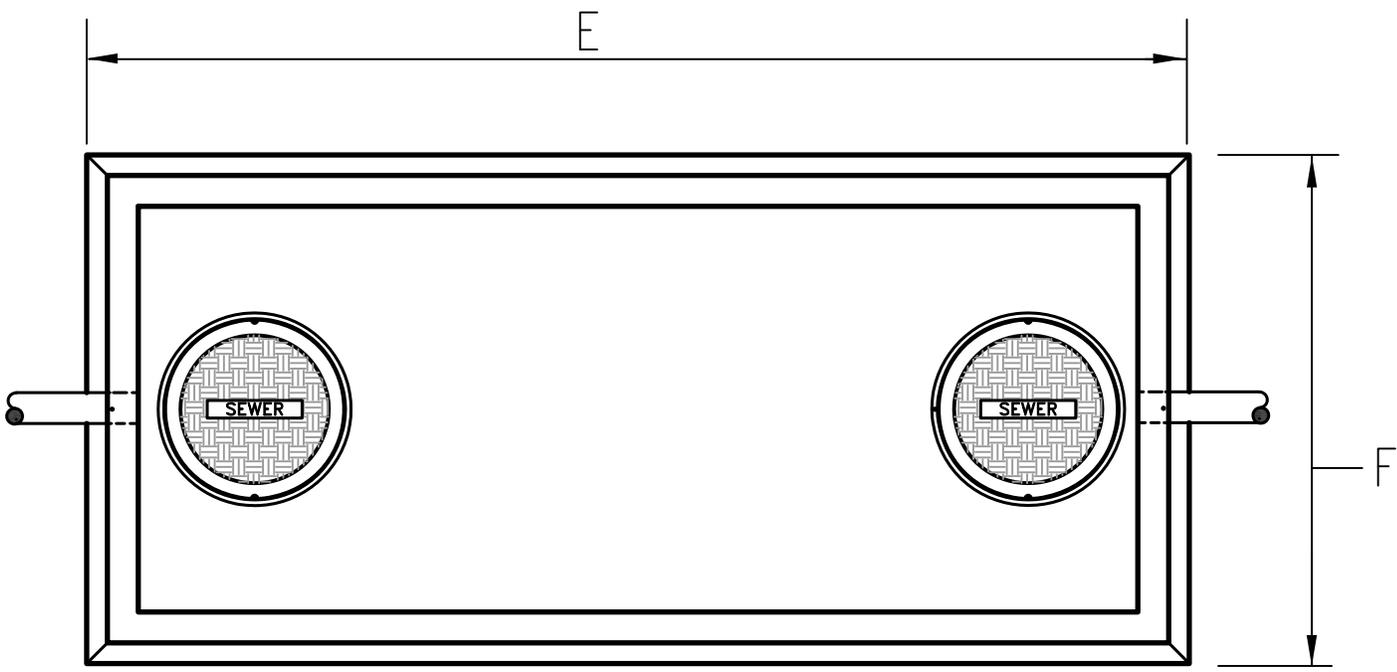
Notes

1. When it is impossible to obtain proper horizontal and or vertical separation as shown above both the water supply and the sanitary sewer shall be constructed of ductile iron pipe and shall be pressure tested to assure water tightness.

2. Min. separation of 75' to water supply well or suction line may be modified due to high yield or unusual soil formations.

<p><b>TOWN OF AVON</b>  <b>60 WEST MAIN STREET AVON, CONN.</b>  <b>ENGINEERING DEPT.</b></p>	
<p><b>SEWER LINE LOCATION</b>  <b>ADJACENT TO WATER LINES</b></p>	
<p><b>SCALE: NONE</b></p>	<p><b>DATE: 6-13-11</b></p>

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TANKS AS MFG. BY ARROW CONCRETE OR APPROVED EQUAL

BITUMASTIC PROTECTIVE COATING

PRODUCT#	A	B	C	D	E	F
AC-3-1000 GT	5'-4"	4'-6"	2'-10"	3'-4"	8'-6"	5'-0"
AC-3 1500 GT	5'-4"	4'-6"	2'-10"	3'-4"	10'-6"	5'-8"

**NOTES**

- 1) CONCRETE - 4000 PSI AT 28 DAYS
- 2) REINFORCEMENT- STEEL WIRE MESH 6" X 6", 10 GAGE
- 3) TONGUE AND GROOVE JOINT SEALED WITH MASTIC SEALANT
- 4) TEES SUPPLIED BY OTHERS

**TOWN OF AVON**  
 60 WEST MAIN STREET AVON, CONN.  
**ENGINEERING DEPT.**

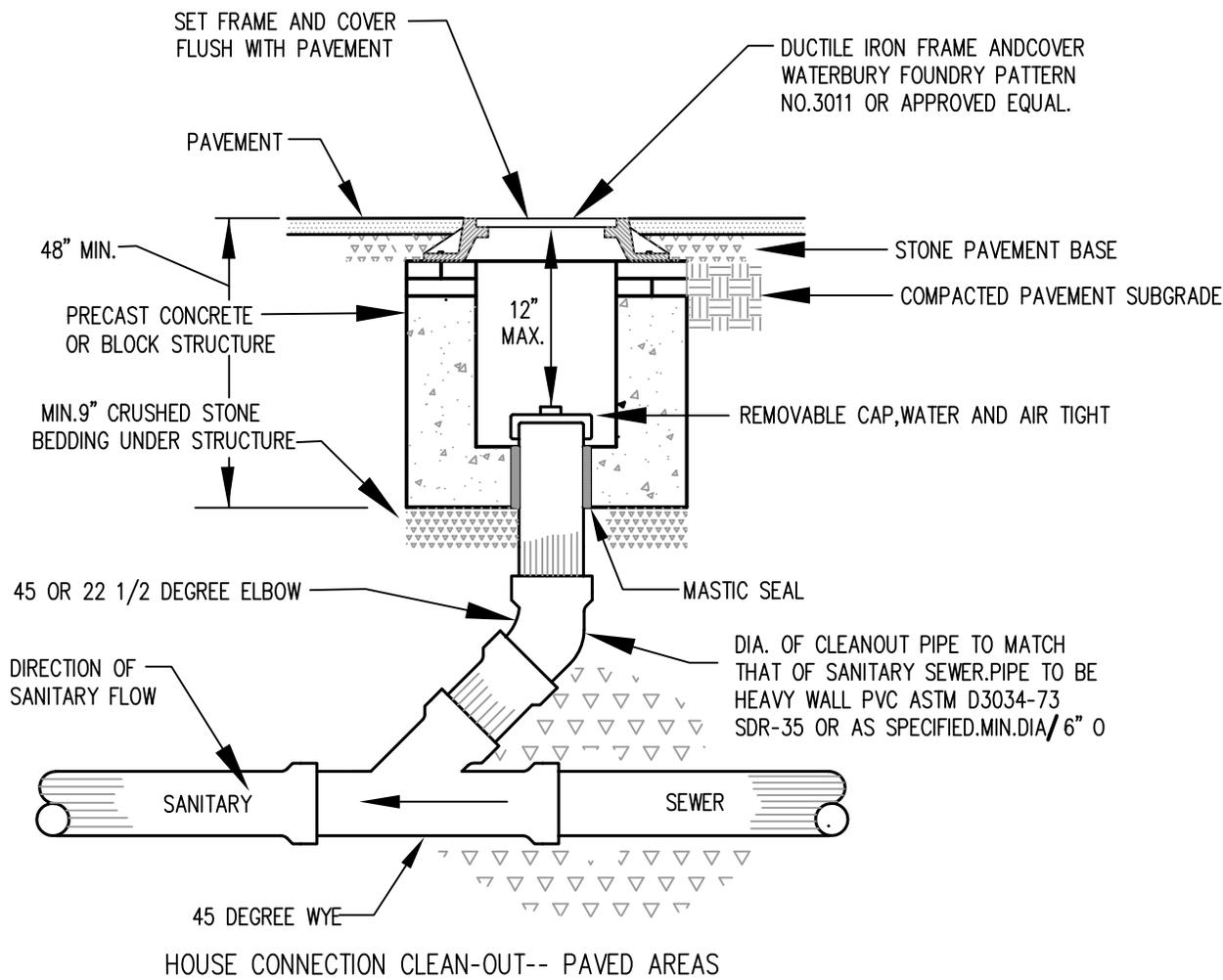
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**STANDARD OUTSIDE  
 GREASE SEPARATOR TANK**

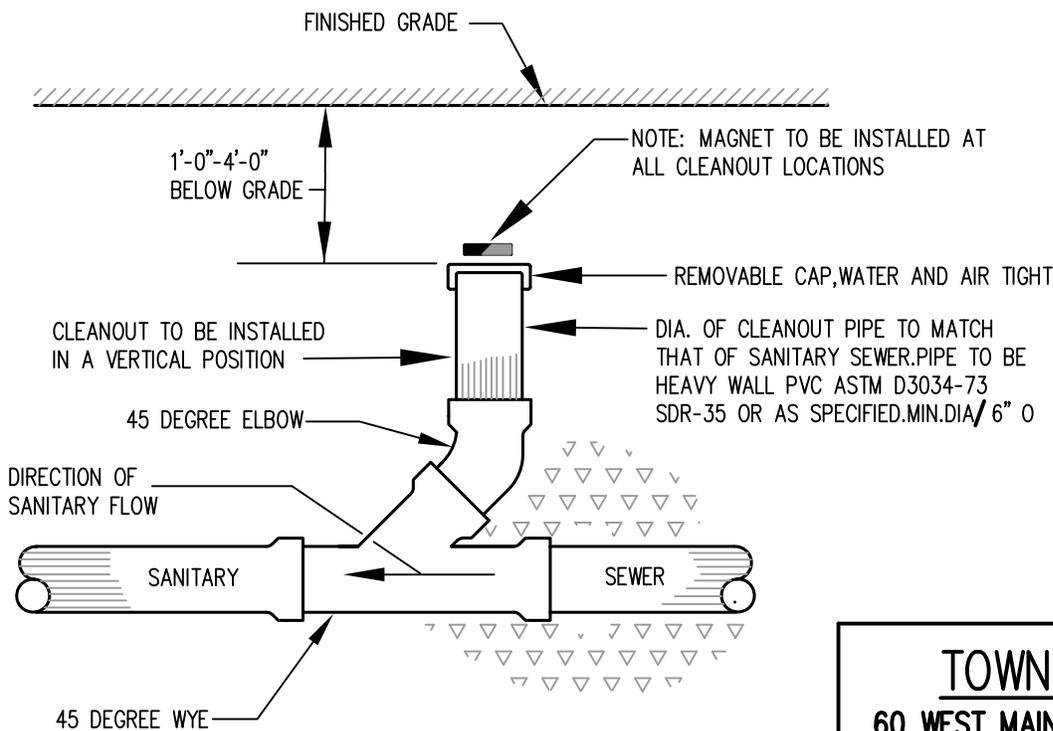
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SCALE: NONE      DATE: 8-20-99

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HOUSE CONNECTION CLEAN-OUT-- PAVED AREAS



HOUSE CONNECTION CLEAN-OUT--NON PAVED AREAS

NOTES:

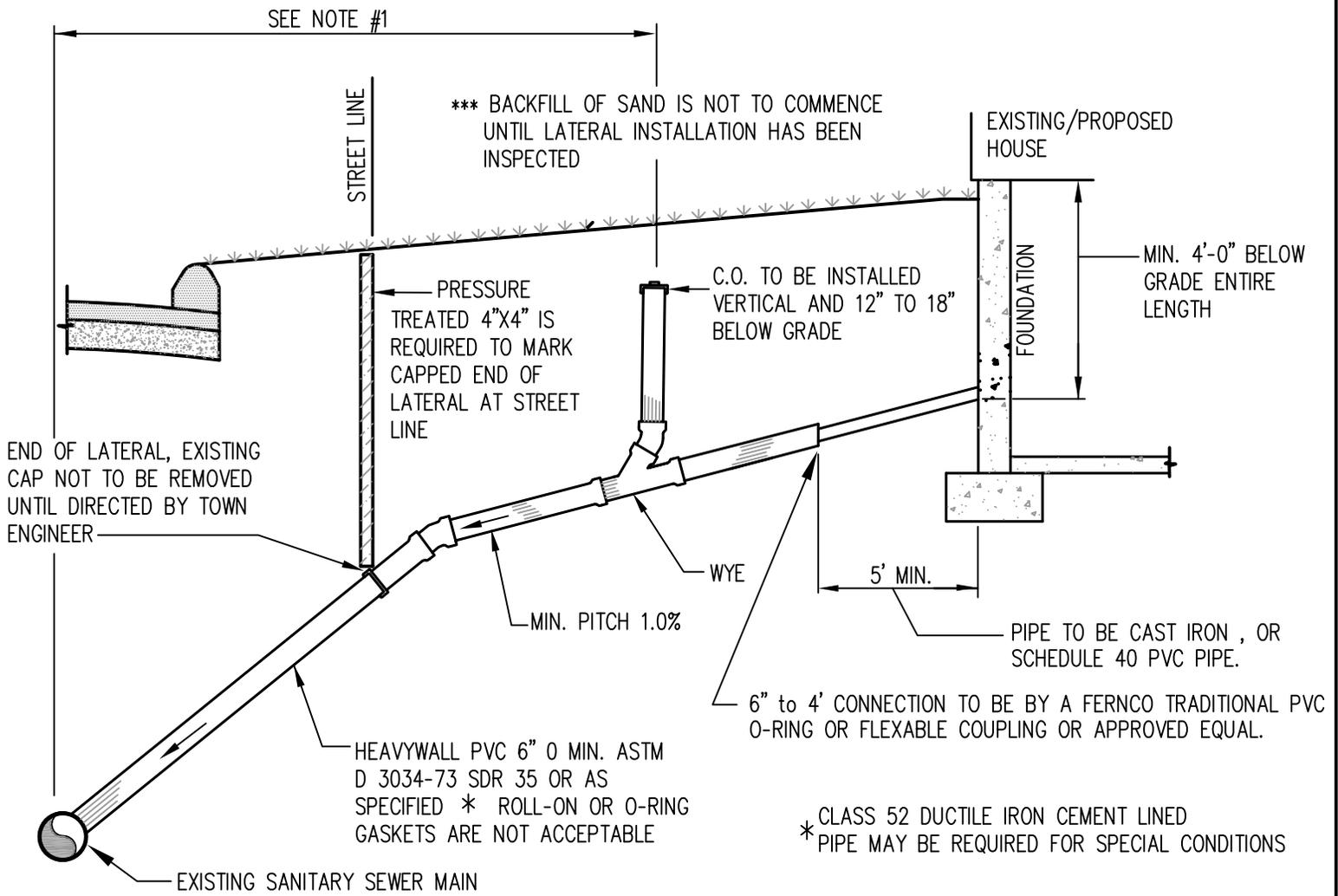
1. CONCRETE ENCASEMENT REQUIRED WHEN DIRECTED BY ENGINEER.
2. WHEN CONCRETE ENCASED, PIPE TO BE DUCTILE CAST IRON.

**TOWN OF AVON**  
**60 WEST MAIN STREET AVON, CONN.**  
**ENGINEERING DEPT.**

**TYPICAL CLEANOUT**

**SCALE: NONE**

**DATE: 2-22-00**



## LATERAL CONNECTION NOTES

- 1) CLEAN OUT OR STRUCTURE IS REQUIRED WITHIN THE FIRST 100' FROM THE MAIN AND EVERY 100 LINEAR FEET THEREAFTER
- 2) CHANGES IN DIRECTION IN EXCESS OF 45 SHALL HAVE A CLEANOUT OR STRUCTURE PROVIDED
- 3) SEE "TYPICAL TRENCH AND BEDDING DETAIL" FOR BACKFILL AND BEDDING REQUIREMENTS
- 4) ACTUAL LOCATION OF CLEANOUTS SHALL BE AS DIRECTED BY THE TOWN ENGINEER
- 5) THE TOWN ENGINEER RESERVES THE RIGHT TO CHANGE REQUIREMENTS TO MEET SPECIAL CONSIDERATIONS
- 6) IF THE ADJACENT UP STREAM MANHOLE TOP OF FRAME ELEVATION IS HIGHER THAN THE FIRST FLOOR ELEVATION OF THE BUILDING A BACK WATER VALVE WILL BE REQUIRED. A BACKWATER VALVE IS RECOMMENDED FOR ALL SEWER LATERAL CONNECTIONS.
- 7) ALL CLEANOUTS SHALL BE FITTED WITH AN EXTERNAL TYPE END CAP.
- 8) CONNECTIONS LESS THAN 4' IN DEPTH WILL REQUIRE RIDGID FOAM INSULATION AS DIRECTED.

**TOWN OF AVON**  
**60 WEST MAIN STREET AVON, CONN.**  
**ENGINEERING DEPT.**

**TYPICAL HOUSE LATERAL**

**SCALE: NONE**

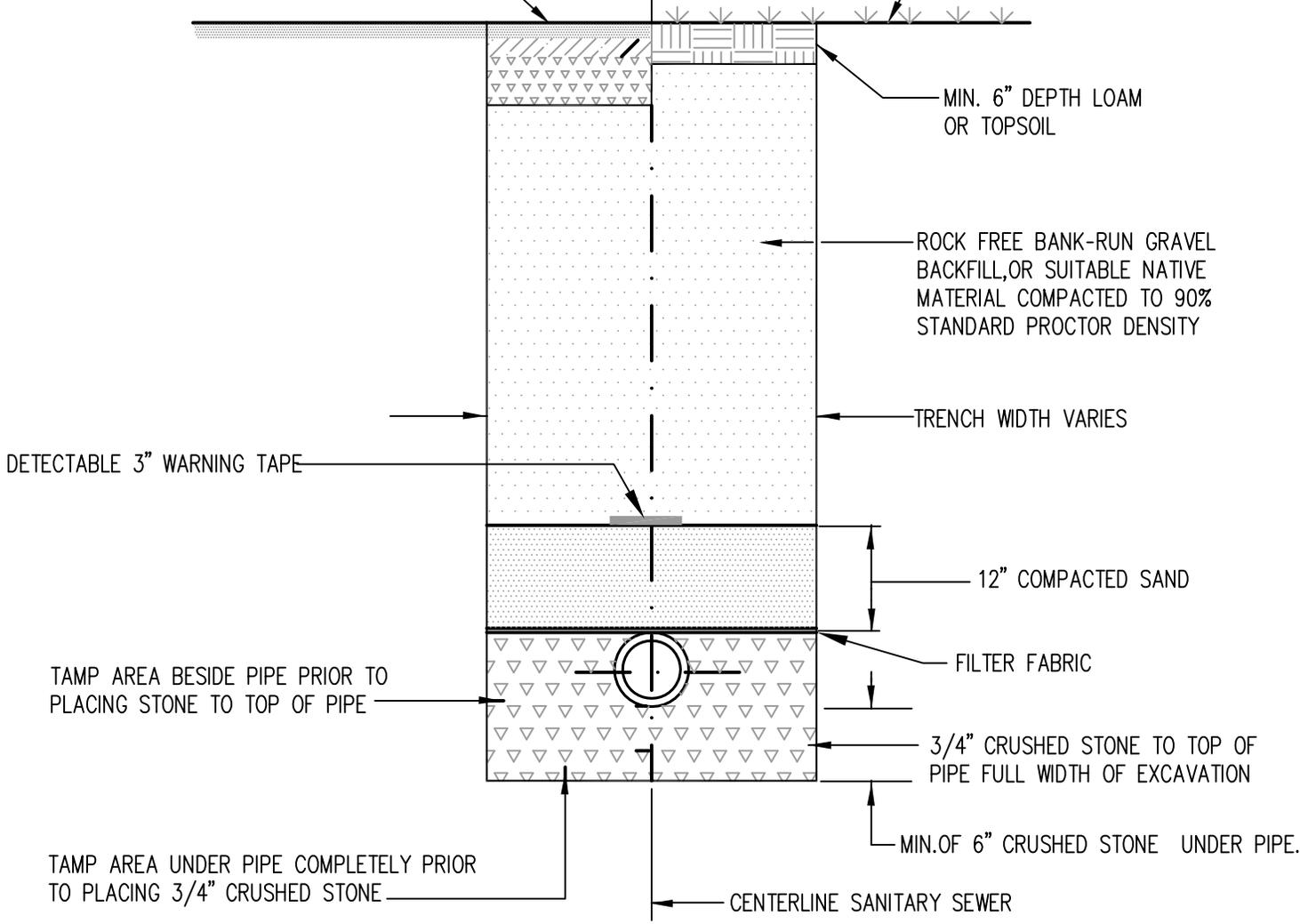
**DATE: 2-22-00**

SEE TYPICAL TRENCH IN PAVEMENT  
DETAIL FOR TRENCH UNDER  
ROADS OR OTHER PAVED AREAS

IN PAVEMENT

IN GRASSED AREA

RESTORE TO ORIGINAL  
OR BETTER CONDITION  
THAN BEFORE CONSTRUCTION



## TYPICAL TRENCH & BEDDING DETAIL

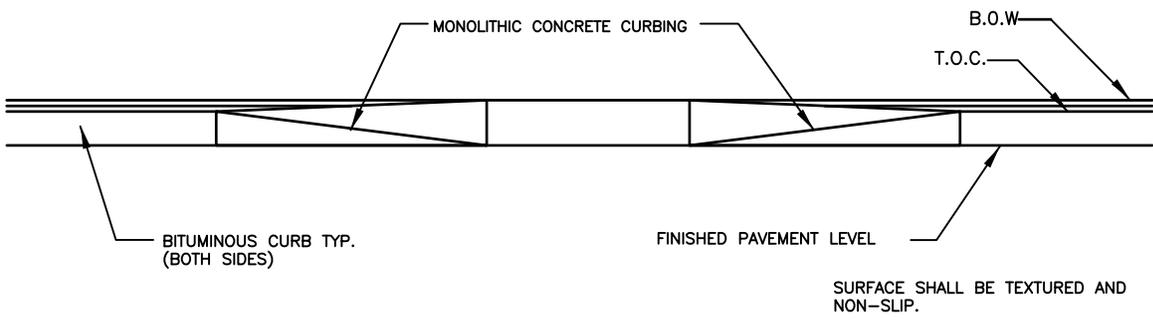
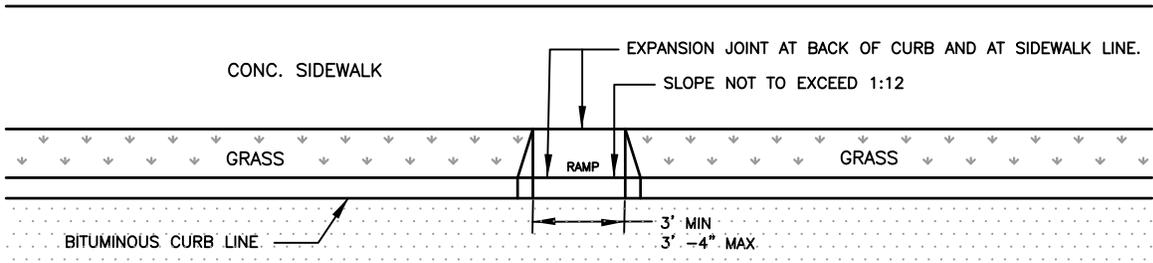
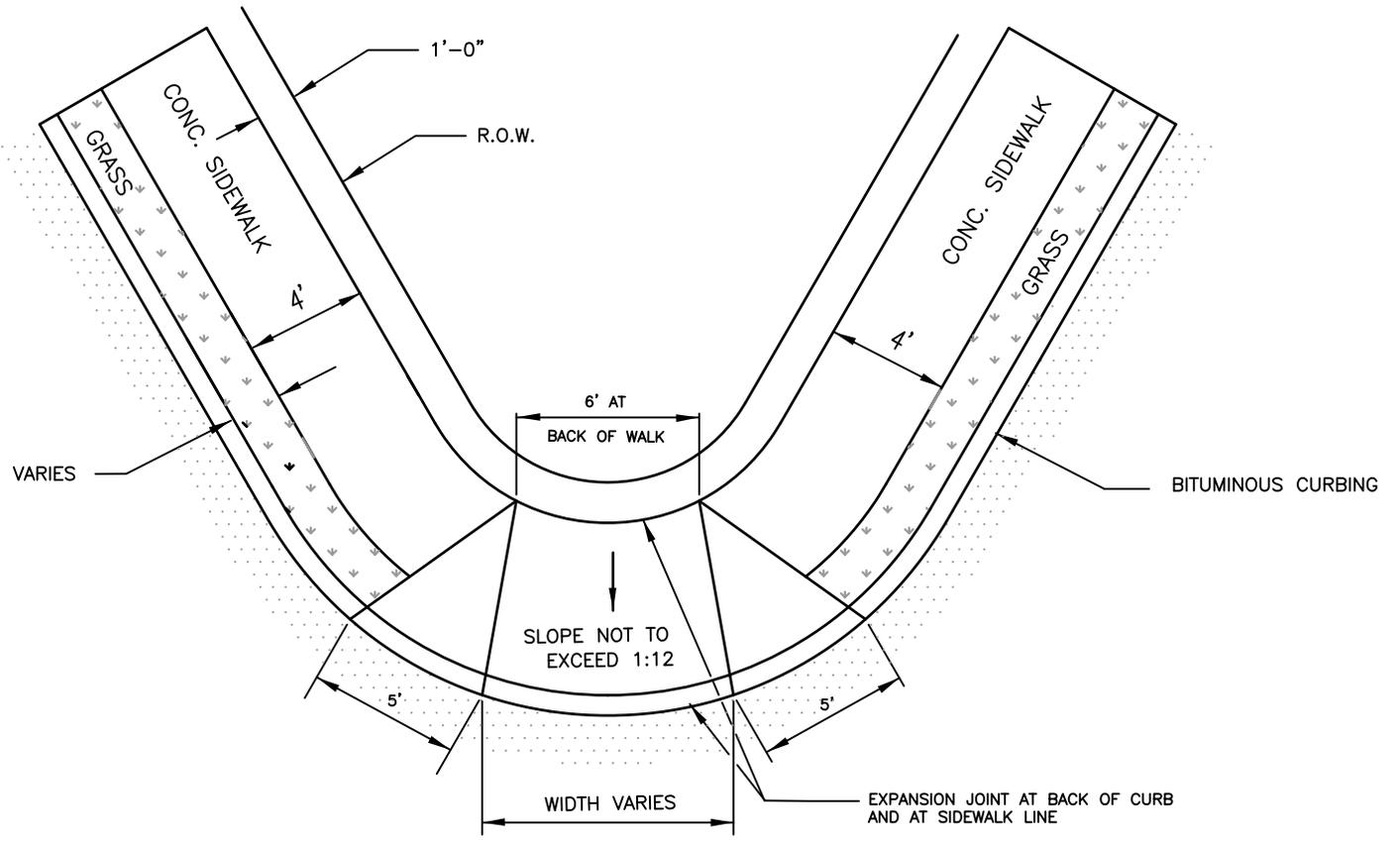
NOTES:

1. WITHIN LIMITS OF CONN. STATE HIGHWAY, D.O.T. REQUIREMENTS SHALL GOVERN FOR PAVEMENT & BASE SPECIFICATIONS.
2. UNUSUAL SOIL CONDITIONS AND/OR DEEP TRENCH MAY REQUIRE CONCRETE ENCASEMENT OR EXTRA DEPTH OF CRUSHED STONE BEDDING
3. FILTER FABRIC IS REQUIRED ON ALL MAIN LINE SEWERS AND ALL LATERALS IN ROADWAY AS SHOWN.

<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
<b>ENGINEERING DEPT.</b>	
<b>TYPICAL TRENCH &amp; BEDDING DETAIL</b>	
SCALE: NONE	DATE: 12-15-10

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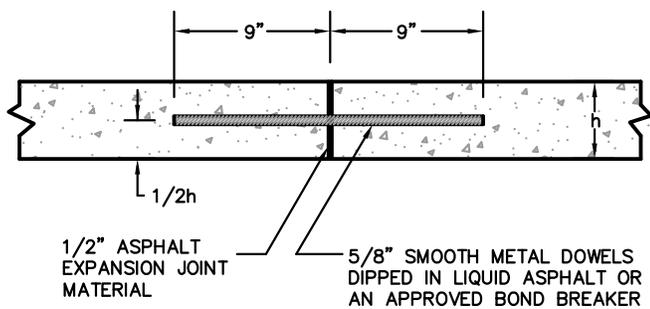
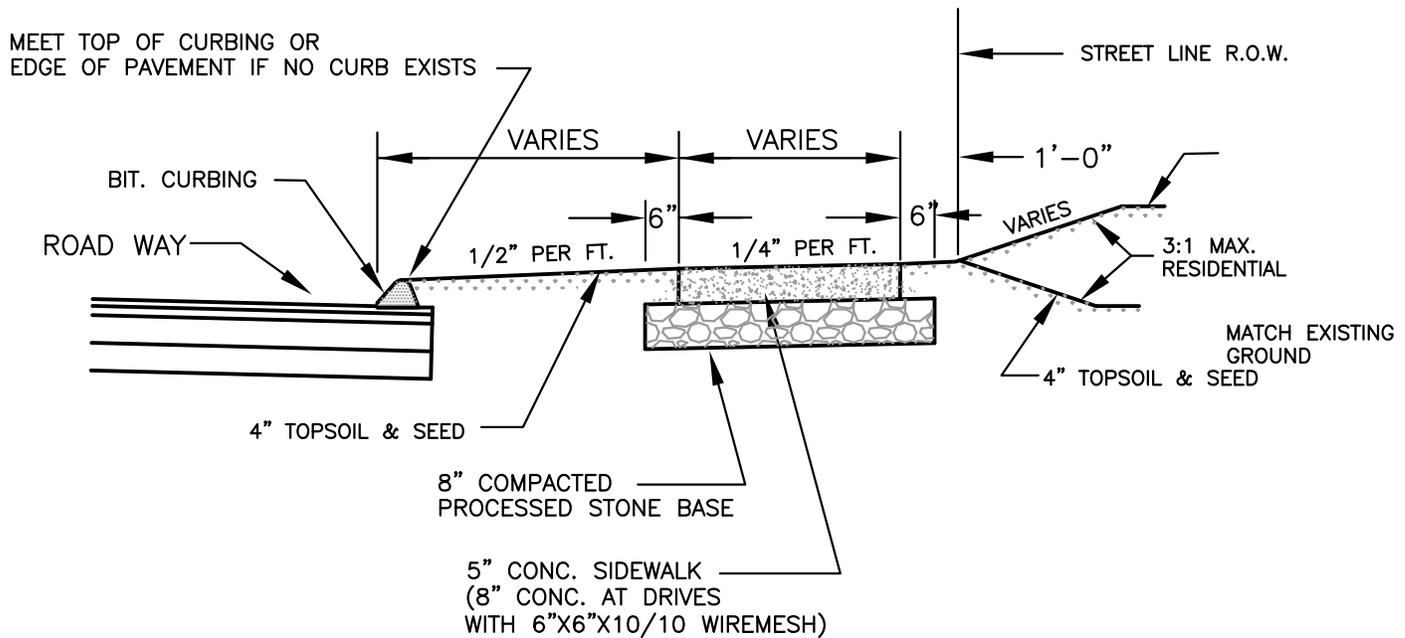
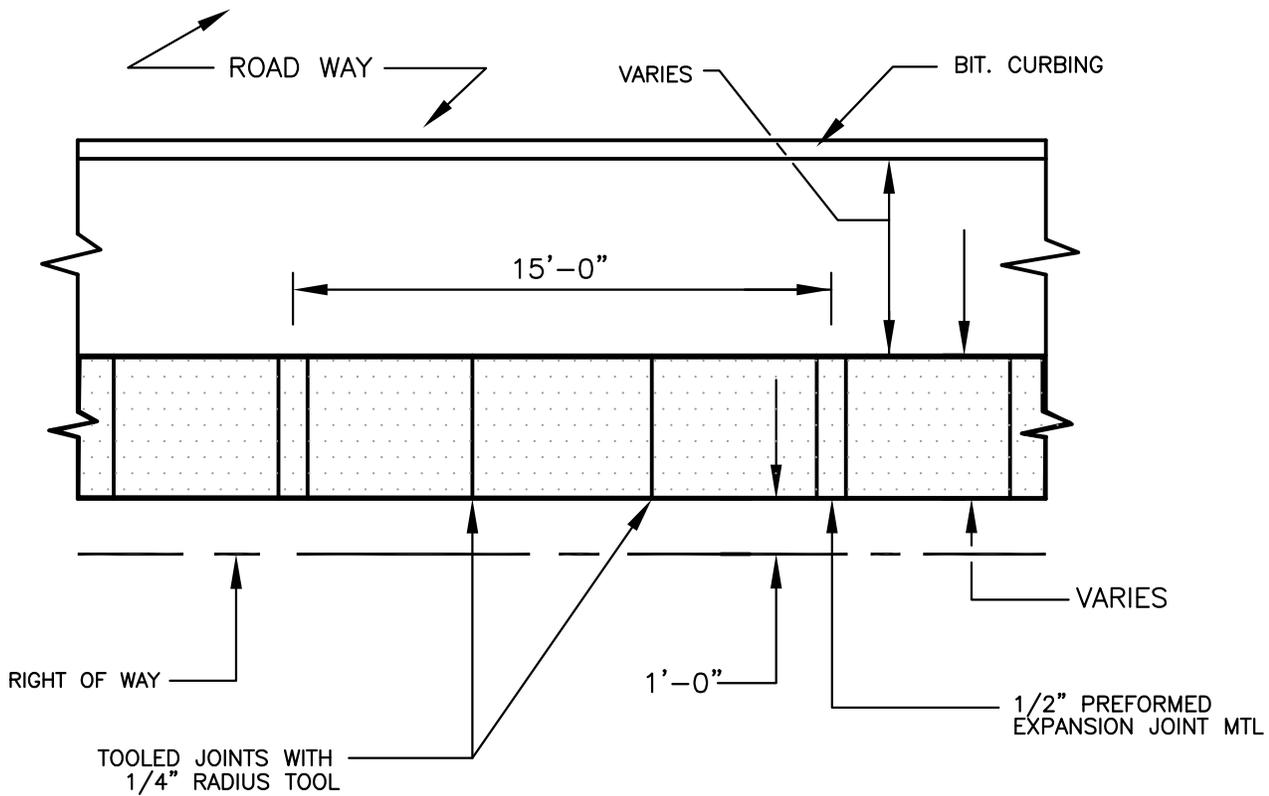
ALL MATERIALS ARE TO MEET CONN. D.O.T. SPECIFICATIONS FORM 816 AS AMENDED



NOTE

DRAINAGE DESIGN IN THE VICINITY OF RAMPS SHALL BE AN INTEGRAL PART OF THE RAMP DESIGN. NO DRAINAGE STRUCTURE SHALL BE PLACED WITHIN THE LIMITS OF THE RAMP.

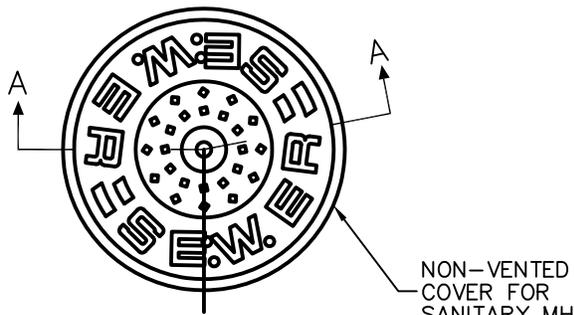
<p><b>TOWN OF AVON</b>          60 WEST MAIN STREET AVON, CONN.  <b>ENGINEERING DEPT.</b></p>	
<p><b>CONCRETE SIDEWALK          HANDICAP RAMP</b></p>	
SCALE: NONE	DATE: 8-20-99



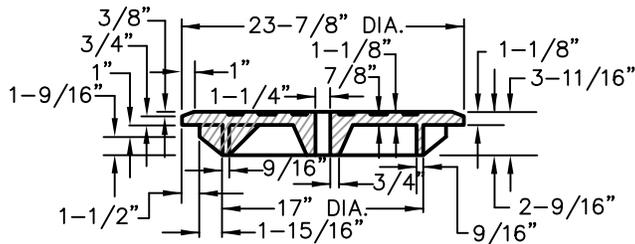
**EXPANSION JOINT - DETAIL**

<p><b>TOWN OF AVON</b></p> <p>60 WEST MAIN STREET AVON, CONN.</p> <p><b>ENGINEERING DEPT.</b></p>	
<p><b>TYPICAL SIDEWALK DETAIL</b></p>	
<p><b>SCALE: NONE</b></p>	<p><b>DATE: 6-13-11</b></p>

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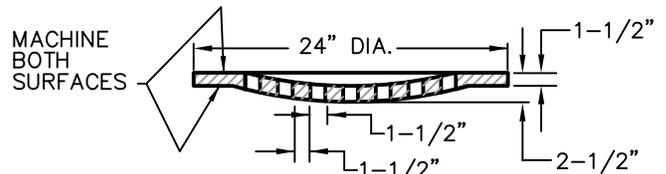


NON-VENTED  
COVER FOR  
SANITARY MH



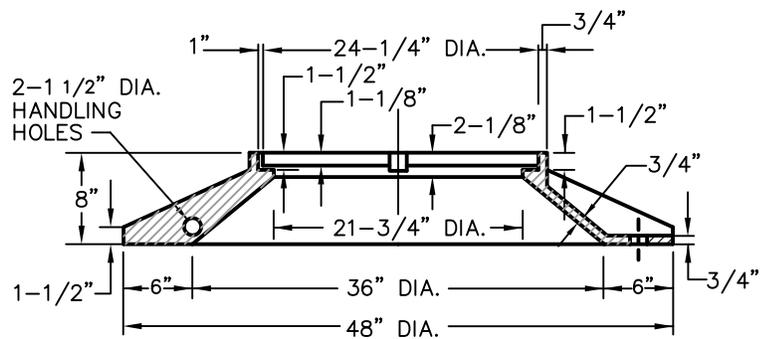
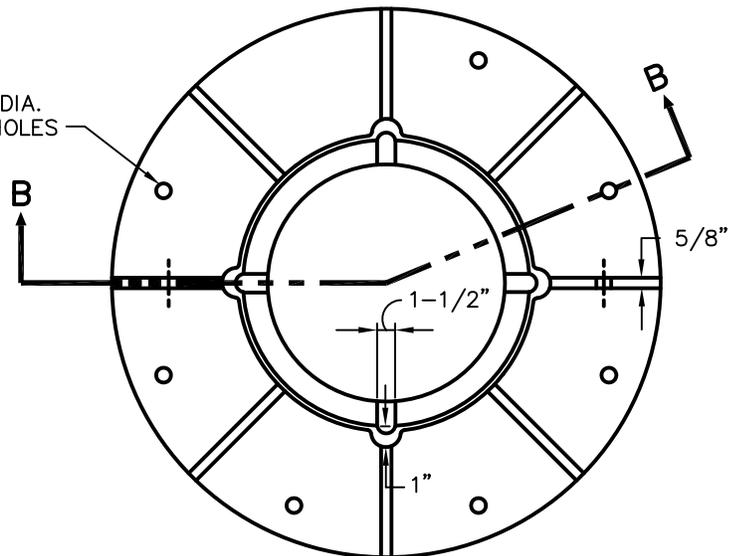
SECTION A-A

THE LOWER SURFACE OF THE COVER  
AND THE CORRESPONDING UPPER SURFACE  
OF THE FRAME SHALL BE MACHINE FINISHED  
TO PROVIDE A SMOOTH FLAT CONTACT OR  
FIT WITHOUT ANY TENDENCY FOR THE COVER  
OR GRATE TO ROCK OR RATTLE.



SECTION C-C

8-1 1/2" DIA.  
BONDING HOLES



SECTION B-B

SPECIFICATIONS:

1. Pattern shall be no. 1221/5012 WT cover type manufactured by The Campbell Foundry Co. or approved equal.
2. AASHTO HS20-44 highway loading.
3. Material shall be gray cast iron which meets or exceeds ASTM A48-83, class 30B.
4. All castings supplied with:
  - Machined bearing surfaces
  - Non-penetrating pick holes
  - 1/4" flat neoprene gasket
  - 1/2" diameter stainless steel cap screws

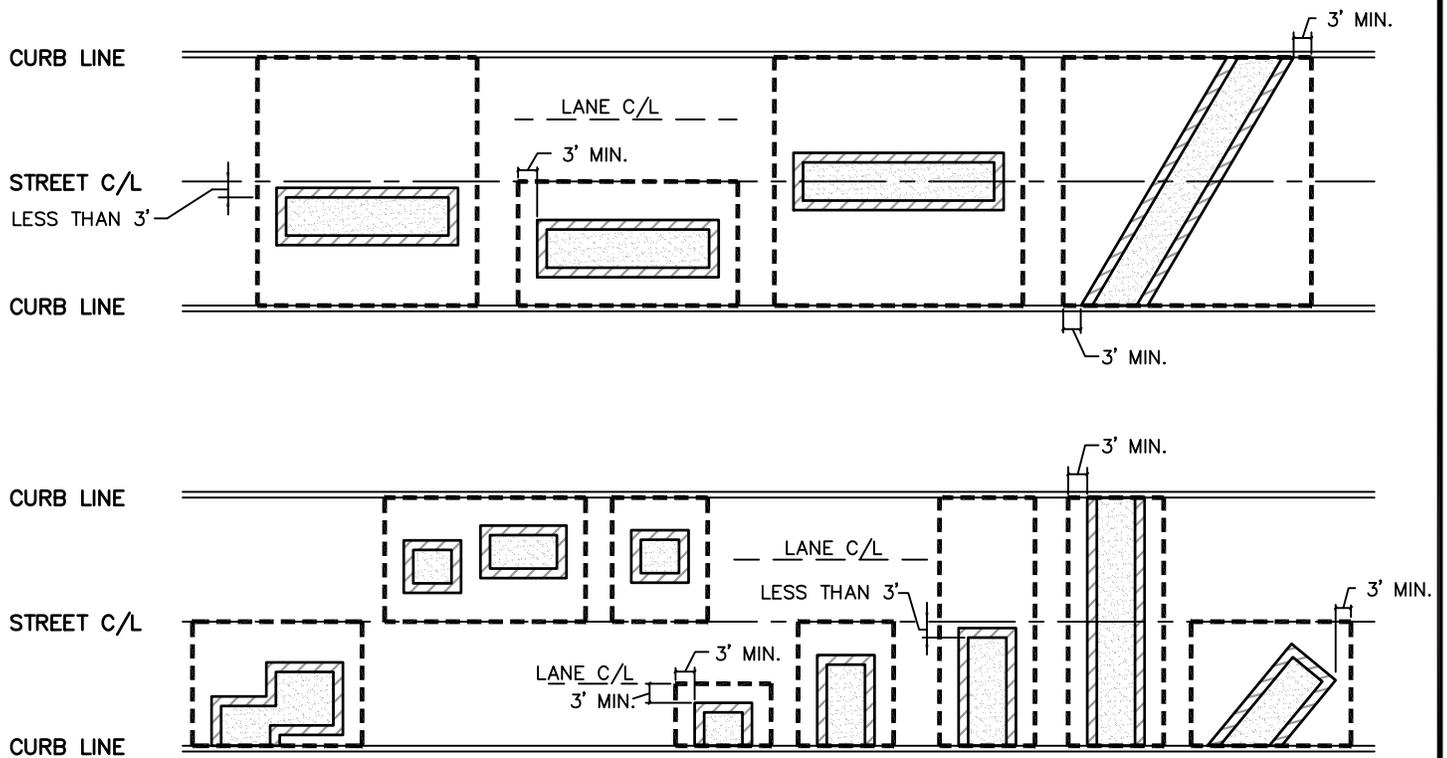
**TOWN OF AVON**  
60 WEST MAIN STREET AVON, CONN.  
**ENGINEERING DEPT.**

**STANDARD WATERTIGHT  
MANHOLE FRAME & COVER**

SCALE: N.T.S.

DATE: 6-13-11





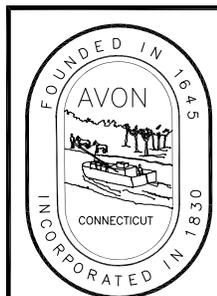
**NOTES: WHEN PAVEMENT IS LESS THAN 5 YRS OLD**

1. FULL DEPTH PAVEMENT REPLACEMENT IS REQUIRED TO 1-FT BEYOND TRENCH LIMITS. (SEE DETAIL P-3)
2. FULL DEPTH REPLACEMENT IS REQ'D TO CURB LINE WHEN REMAINING DISTANCE BETWEEN CURB AND TRENCH IS LESS THAN 3-FT.
3. PAVEMENT PATCH JOINTS SHALL BE SEALED USING INFRARED TECHNIQUES.
4. LONGITUDINAL CUT- WHEN REMAINING DISTANCE BETWEEN TRENCH AND CENTER LINE OF ROAD IS LESS THAN 3-FT, PAVEMENT IS TO BE MILLED THE FULL WIDTH OF THE ROAD.
5. WHEN TWO TRENCHES ARE WITHIN 20 FT OF EACH OTHER, THE TRENCHES SHALL BE TREATED AS ONE AREA AND MILLED TOGETHER FOR ONE PATCH.
6. APPLY TACK COAT TO ALL CUT EDGES AND MEETING PAVEMENT SURFACES PRIOR TO FINAL PAVING.

**LEGEND**

-  TRENCH LIMITS AT TOP OF PAVEMENT
-  AREA OF FULL DEPTH PAVEMENT REPLACEMENT
-  EDGE OF MILLING AREA

**P-1**



**TOWN OF AVON**

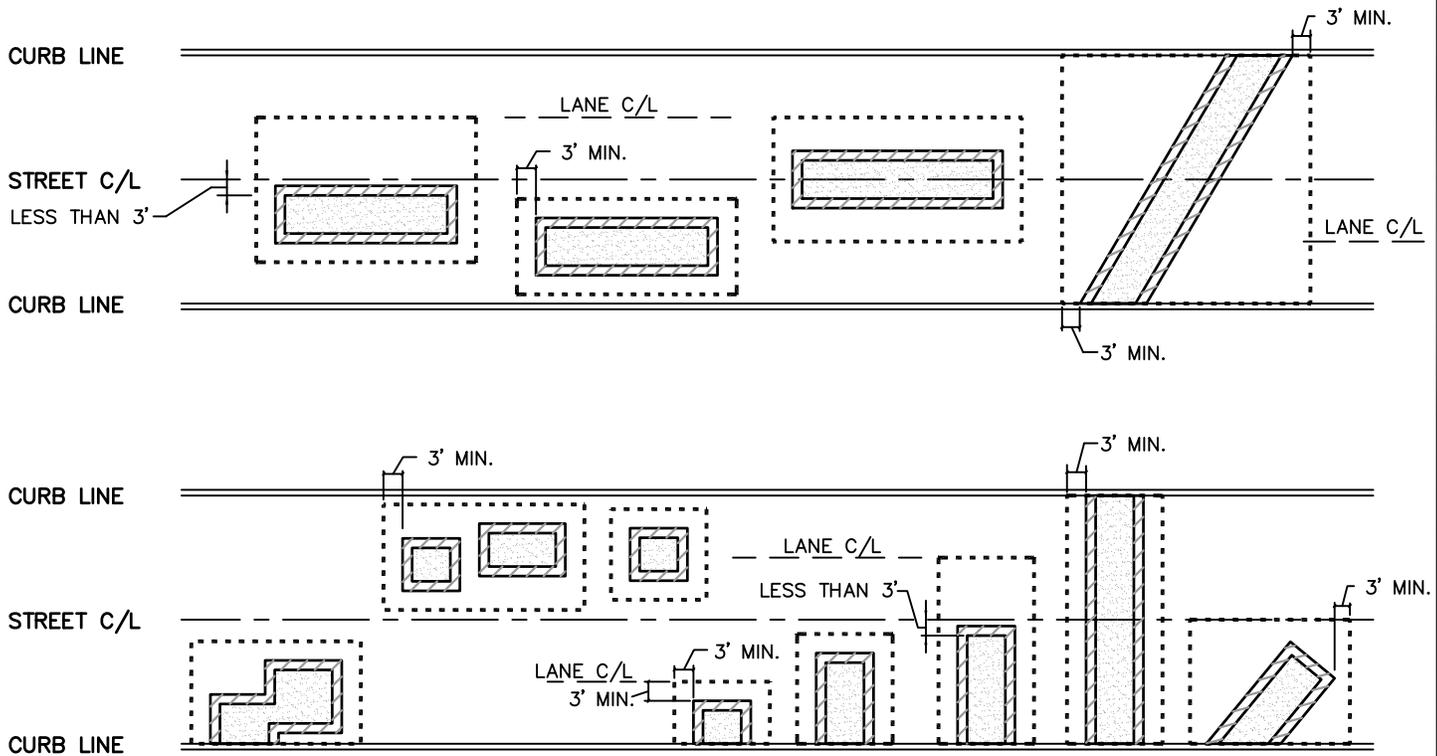
60 WEST MAIN STREET AVON, CONN.

*ENGINEERING DEPT.*

TYPICAL TRENCH IN PAVEMENT DETAIL  
PAVEMENT IS LESS THAN 5 YRS OLD

SCALE: NONE

DATE: 3/21/13



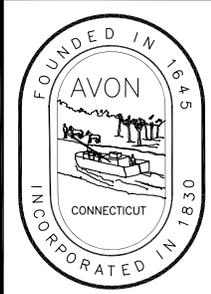
**NOTES: WHEN PAVEMENT IS GREATER THAN 5 YRS OLD**

1. FULL DEPTH PAVEMENT REPLACEMENT IS REQUIRED TO 1-FT BEYOND TRENCH LIMITS. (SEE DETAIL P-3)
2. FULL DEPTH REPLACEMENT IS REQ'D TO CURB LINE WHEN REMAINING DISTANCE BETWEEN CURB AND TRENCH IS LESS THAN 3-FT.
3. LONGITUDINAL CUT- WHEN A TRENCH STRADDLES THE CENTER LINE OF A STREET, CONTRACTOR TO PAVE TO CENTER LINE IN TWO PASSES FOR THE PURPOSE OF MAINTAINING THE CROWN OF THE ROAD.
4. LONGITUDINAL CUT- WHEN REMAINING DISTANCE BETWEEN TRENCH AND CENTER LINE OF ROAD IS LESS THAN 3-FT, PAVEMENT IS TO BE MILLED TO THE CENTER LINE OF THE OPPOSING LANE.
5. PAVEMENT PATCH JOINTS SHALL BE SEALED.
6. WHEN TWO TRENCHES ARE WITHIN 10 FT OF EACH OTHER, THE TRENCHES SHALL BE TREATED AS ONE AREA AND MILLED TOGETHER FOR ONE PATCH.
7. APPLY TACK COAT TO ALL CUT EDGES AND MEETING PAVEMENT SURFACES PRIOR TO FINAL PAVING.

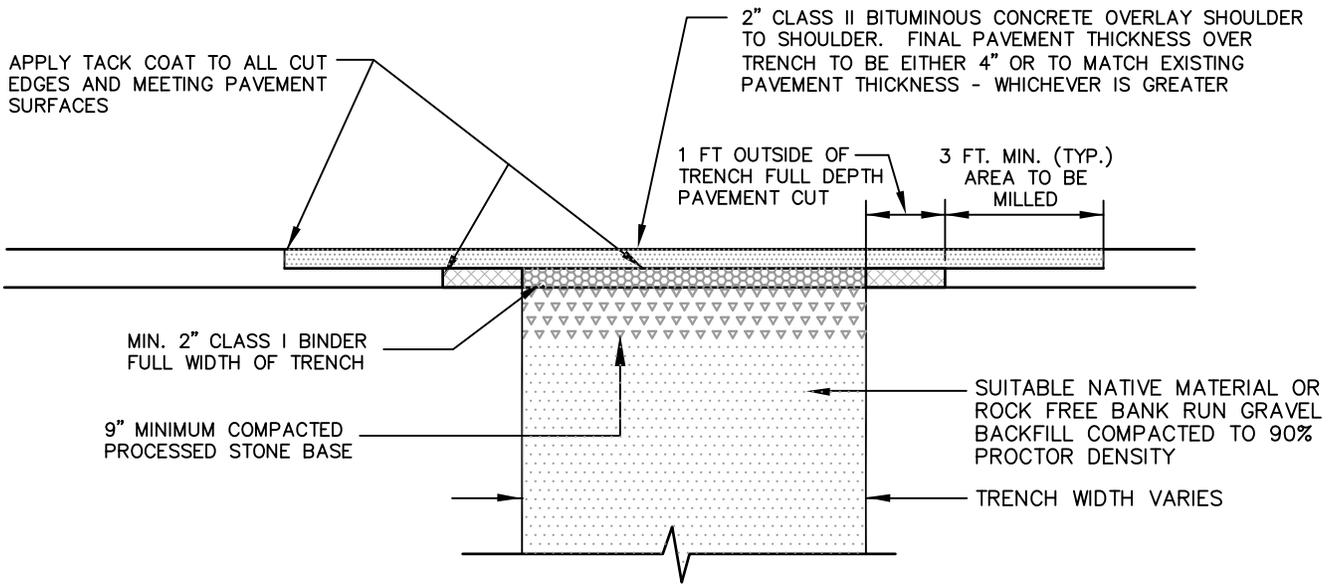
**LEGEND**

-  TRENCH LIMITS AT TOP OF PAVEMENT
-  AREA OF FULL DEPTH PAVEMENT REPLACEMENT
-  EDGE OF MILLING AREA

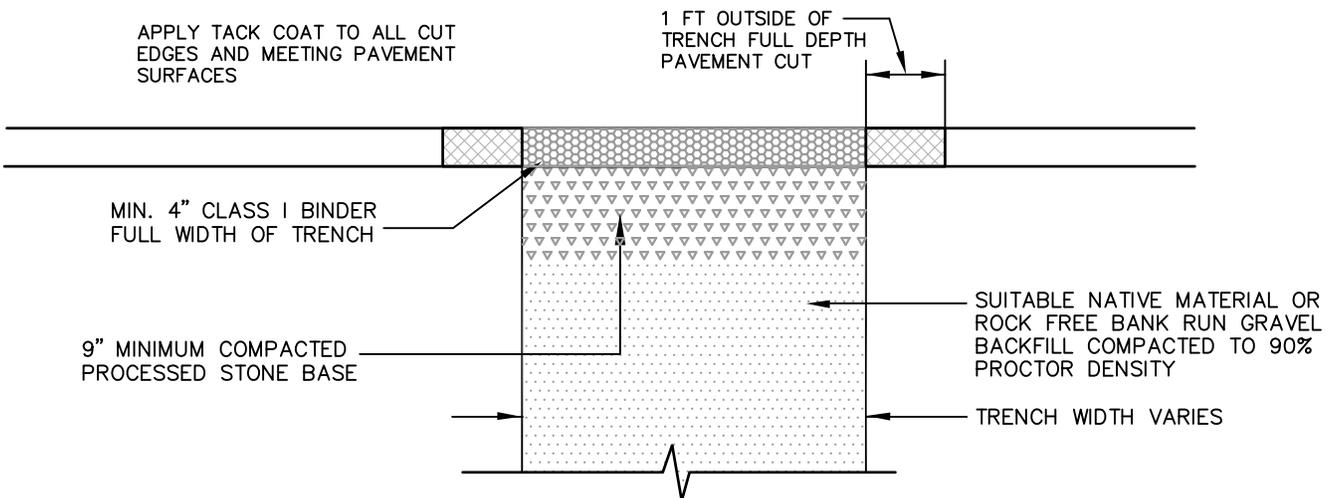
**P-2**



**TOWN OF AVON**  
 60 WEST MAIN STREET AVON, CONN.  
 ENGINEERING DEPT.  
 TYPICAL TRENCH IN PAVEMENT DETAIL  
 PAVEMENT IS GREATER THAN 5 YRS OLD  
 SCALE: NONE      DATE: 3/21/13



TYPICAL PERMANENT TRENCH IN PAVEMENT DETAIL

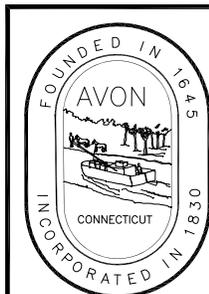


TYPICAL TEMPORARY TRENCH IN PAVEMENT DETAIL

**NOTES:**

1. PAVEMENT IS TO BE SAW-CUT TO 1 FT BEYOND TRENCH LIMIT UPON COMPLETION OF BACKFILL AND COMPACTION. TACK COAT IS TO BE APPLIED AND TEMPORARY PAVEMENT PLACED AND COMPACTION.
2. PERMANENT PAVEMENT PATCH TO BE COMPLETED 6 TO 9 MONTHS AFTER CONSTRUCTION OF TEMPORARY PAVEMENT PATCH. THIS WORK IS TO BE COORDINATED WITH AVON ENGINEERING DEPARTMENT.
3. FOR PERMANENT PATCH, EXISTING ROAD (AND TEMPORARY PATCH) IS TO BE MILLED TO A DEPTH OF 2" MIN. FOR THE WIDTH OF THE TRENCH AND A DISTANCE OF 3 FT OUTSIDE OF SAW-CUT EDGE. NEW PAVEMENT THICKNESS TO BE 4" MINIMUM OR TO MATCH EXISTING PAVEMENT THICKNESS - WHICHEVER IS GREATER.
4. WITHIN LIMITS OF CONN. STATE HIGHWAYS, CONNDOT REQUIREMENTS SHALL GOVERN FOR PAVEMENT, BASE, AND RELATED SPECIFICATIONS.

**P-3**



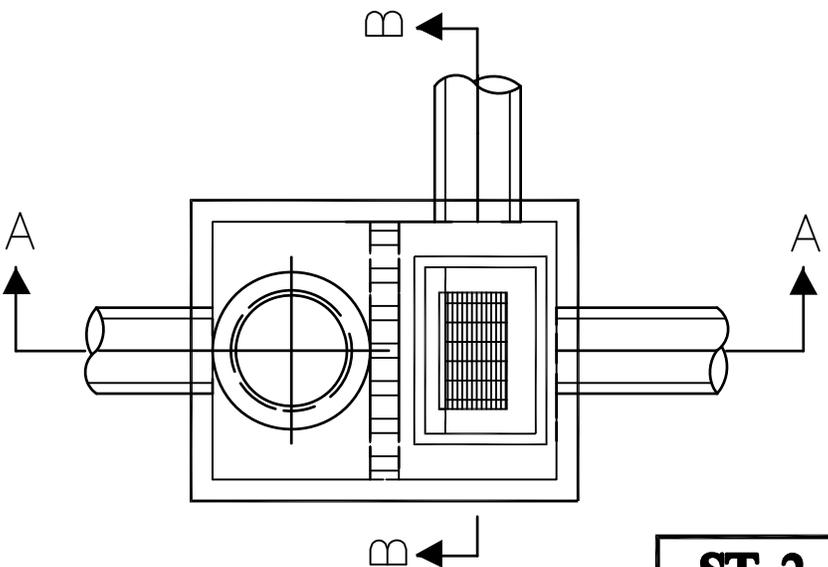
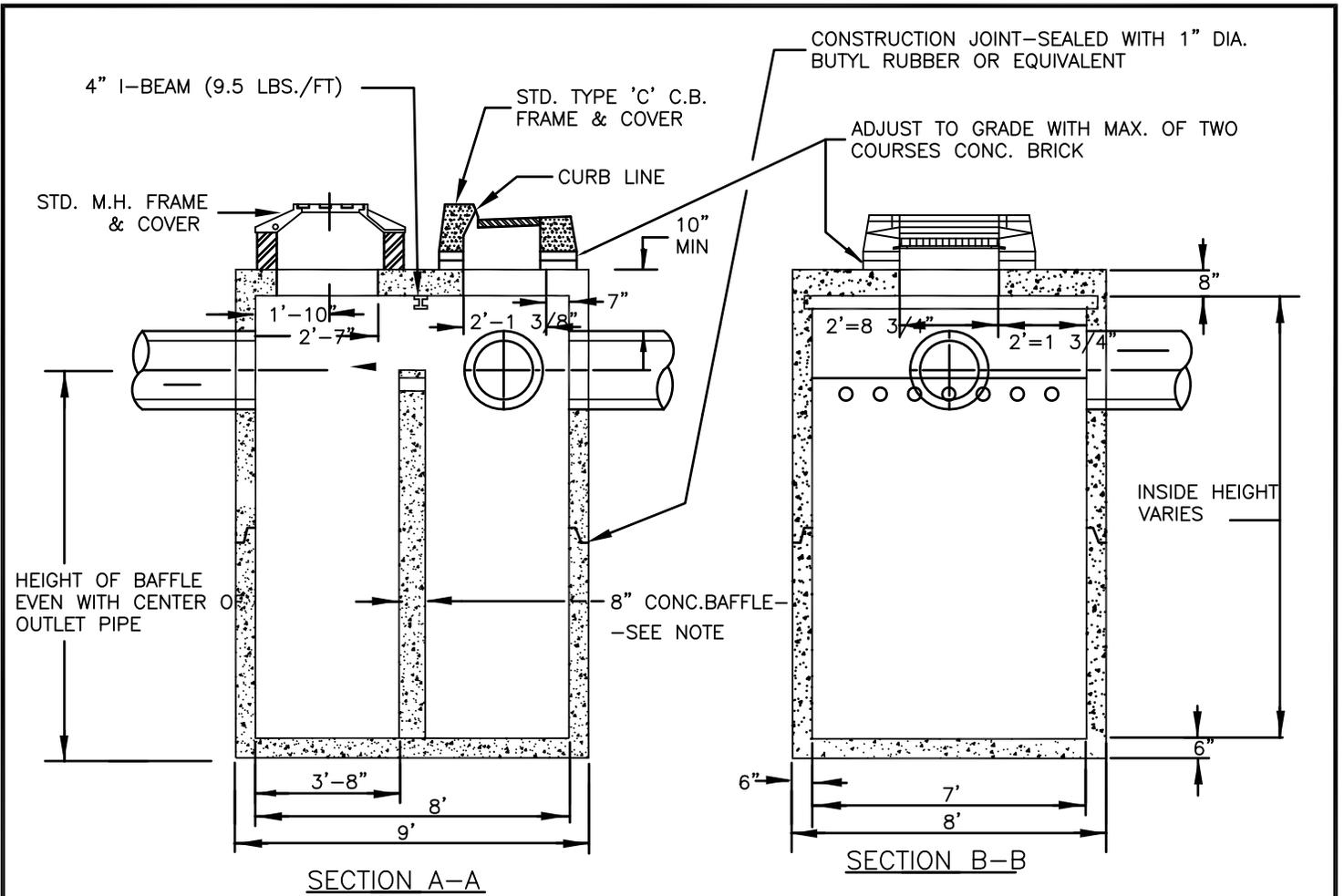
**TOWN OF AVON**

60 WEST MAIN STREET AVON, CONN.  
ENGINEERING DEPT.

TYPICAL TRENCH IN PAVEMENT DETAIL

SCALE: NONE

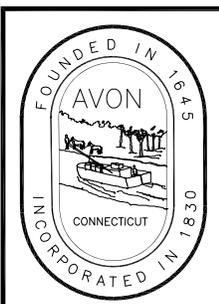
DATE: 3/21/13



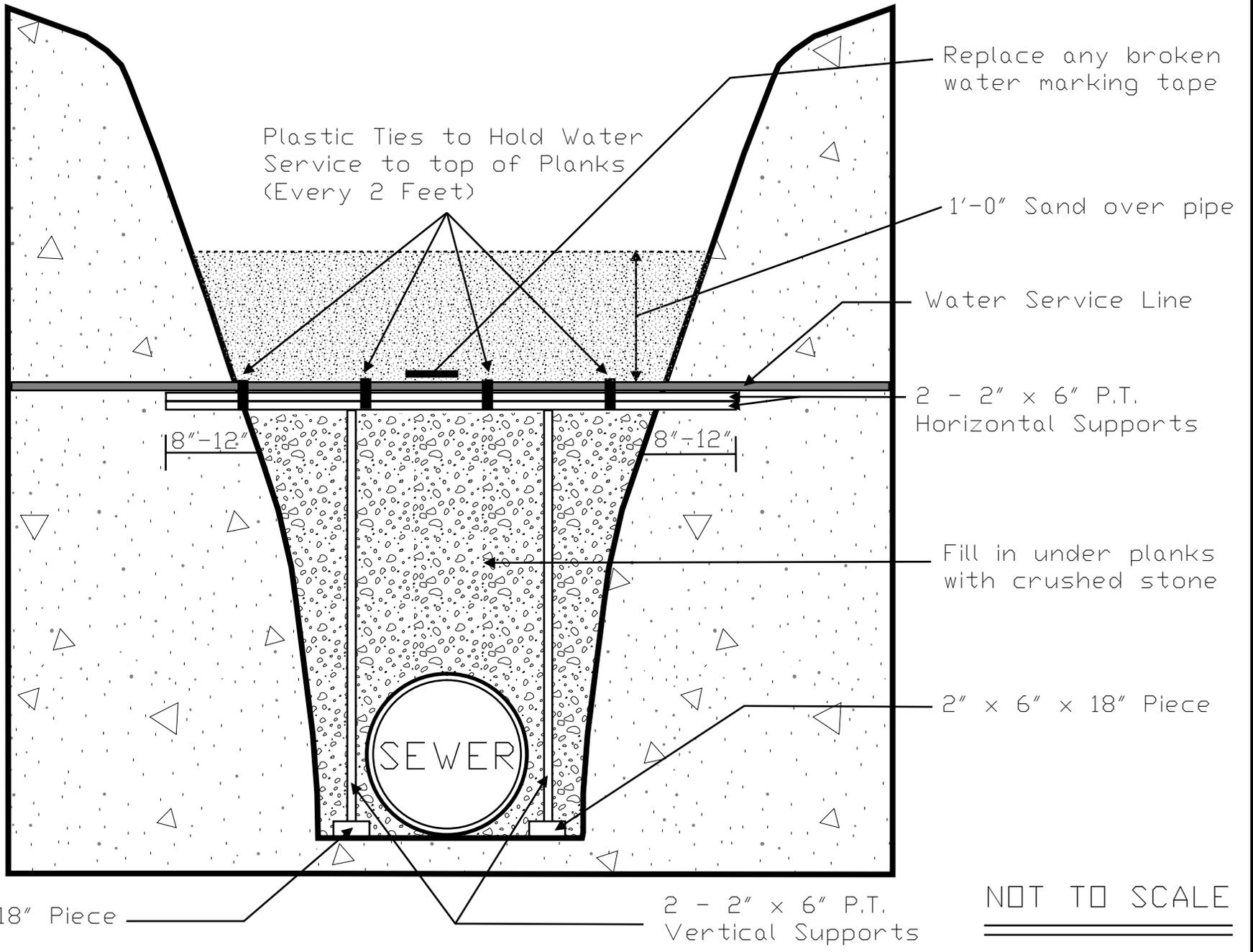
**NOTES:**

1. BAFFLE CONSTRUCTION TO BE OF CAST MATERIAL WITH THRU HOLES AT OUTLET FLOW LINE, OR MORTARED CEMENT BLOCKS WITH WEEP HOLES AT OUTLET FLOW LINE.
2. SEE STANDARD DETAIL FOR TYPE 'C' CATCH BASIN FRAME & COVER, CAST IRON MANHOLE FRAME & COVER, MISCELLANEOUS MANHOLE DETAILS, AND TYPICAL TRENCH SECTION.
3. FIBERGLASS OR PLASTIC STEPS SHALL BE INSTALLED AT 12" VERTICAL INTERVALS FROM 12" (MAX.) BELOW TOP OF FRAME ELEVATION TO 12" (MAX.) ABOVE INSIDE BOTTOM ELEVATION AT EACH ACCESS POINT. (SEE STEP DETAIL, IN MISCELLANEOUS MANHOLE DETAILS)
4. STRUCTURE SHALL MEET HS-20 LOADING CRITERIA.
5. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.

**ST-2**

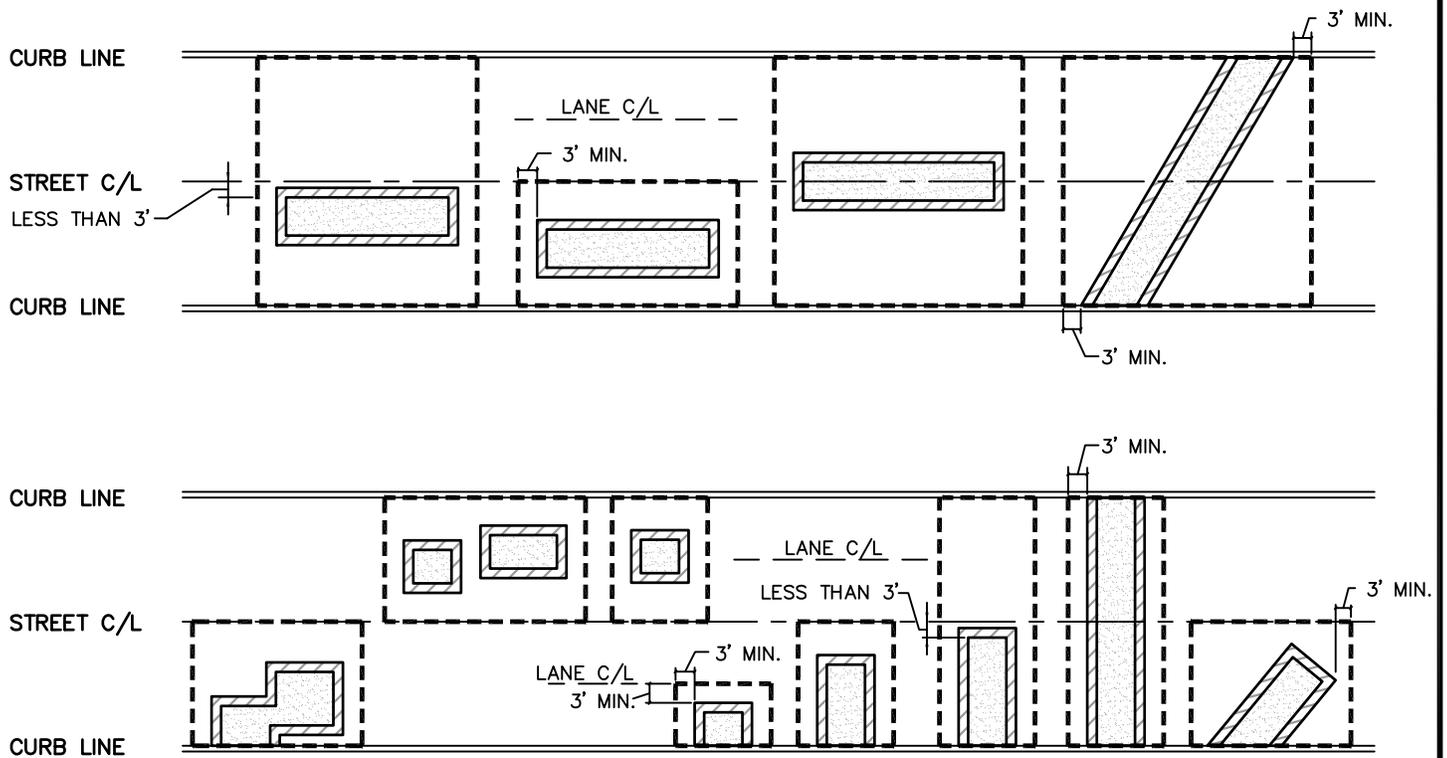


<b>TOWN OF AVON</b>	
60 WEST MAIN STREET AVON, CONN.	
<i>ENGINEERING DEPT.</i>	
<b>SEDIMENTATION STRUCTURE TYPE II</b>	
SCALE: NONE	DATE: 3/21/13



**AVON WATER COMPANY**  
**14 WEST MAIN STREET**  
**AVON, CT 06001**

**PERMANENT STRUCTURAL SUPPORT FOR DOMESTIC SERVICE LINES**



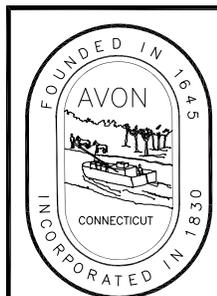
**NOTES: WHEN PAVEMENT IS LESS THAN 5 YRS OLD**

1. FULL DEPTH PAVEMENT REPLACEMENT IS REQUIRED TO 1-FT BEYOND TRENCH LIMITS. (SEE DETAIL P-3)
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**LEGEND**

-  TRENCH LIMITS AT TOP OF PAVEMENT
-  AREA OF FULL DEPTH PAVEMENT REPLACEMENT
-  EDGE OF MILLING AREA

**P-1**



**TOWN OF AVON**

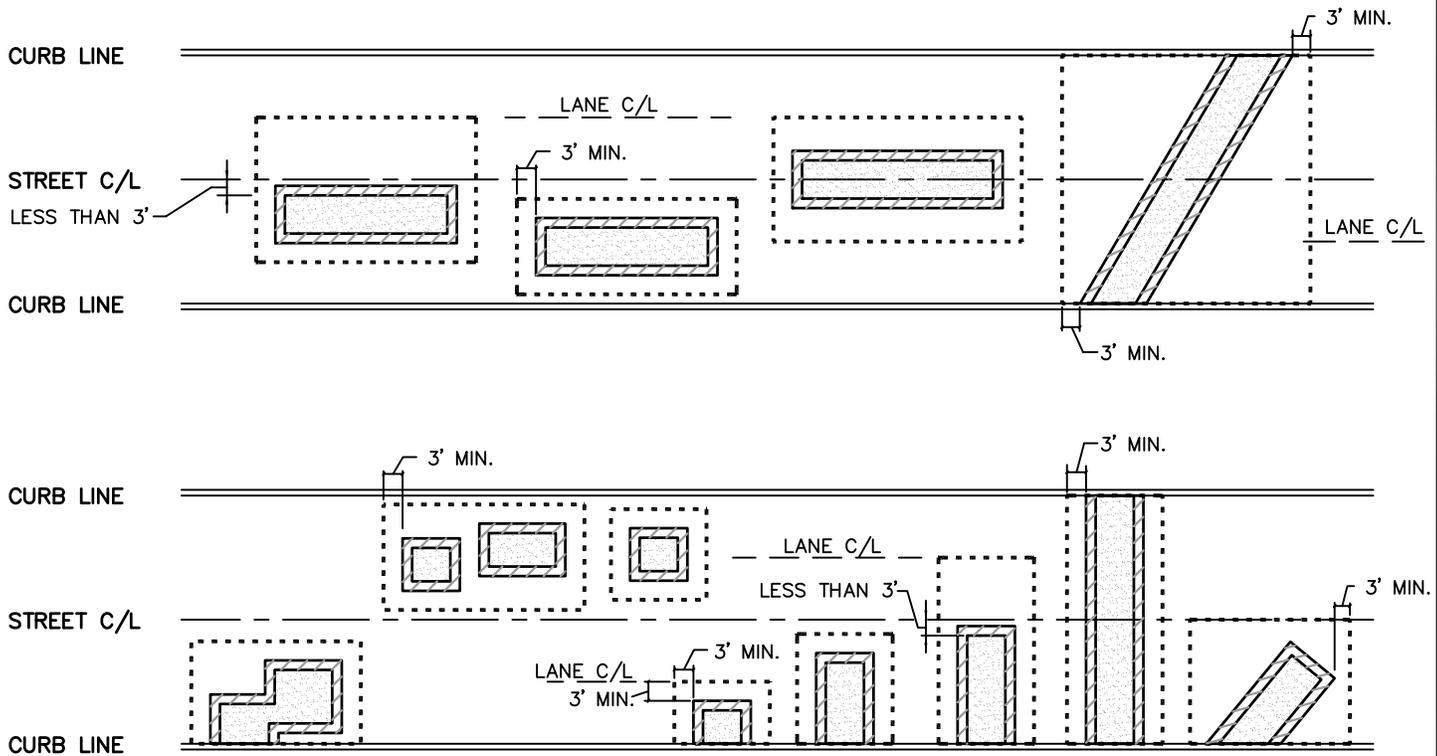
60 WEST MAIN STREET AVON, CONN.

*ENGINEERING DEPT.*

TYPICAL TRENCH IN PAVEMENT DETAIL  
PAVEMENT IS LESS THAN 5 YRS OLD

SCALE: NONE

DATE: 3/21/13



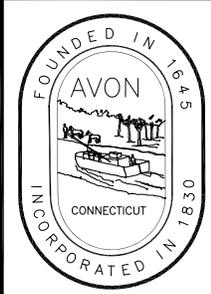
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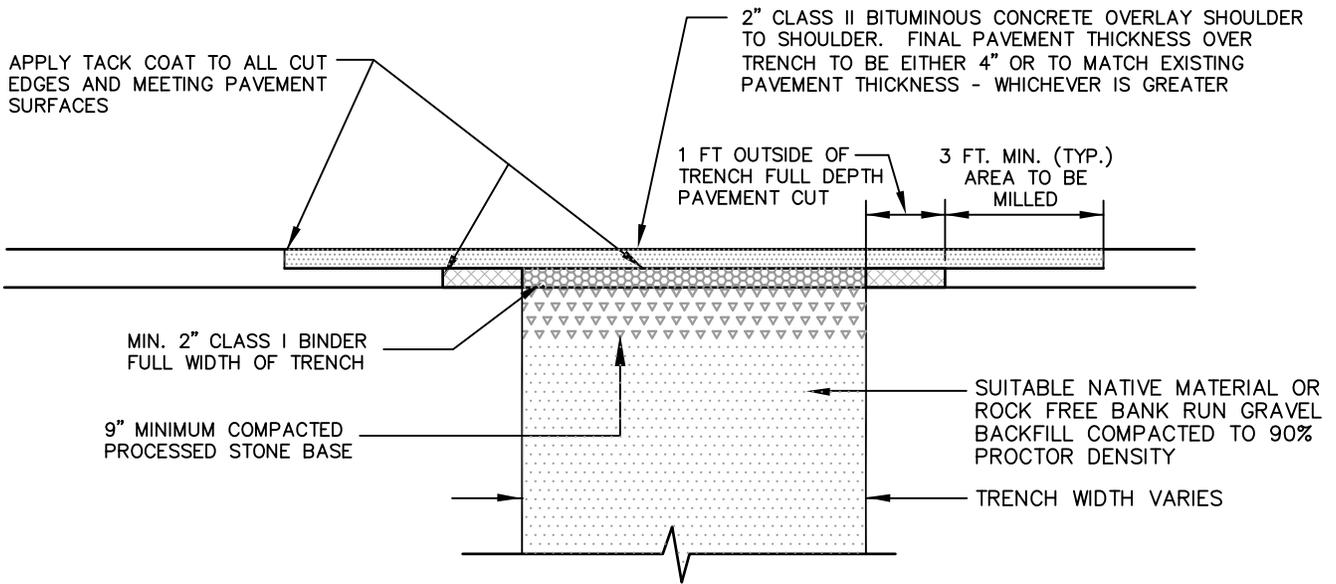
**LEGEND**

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-  AREA OF FULL DEPTH PAVEMENT REPLACEMENT
-  EDGE OF MILLING AREA

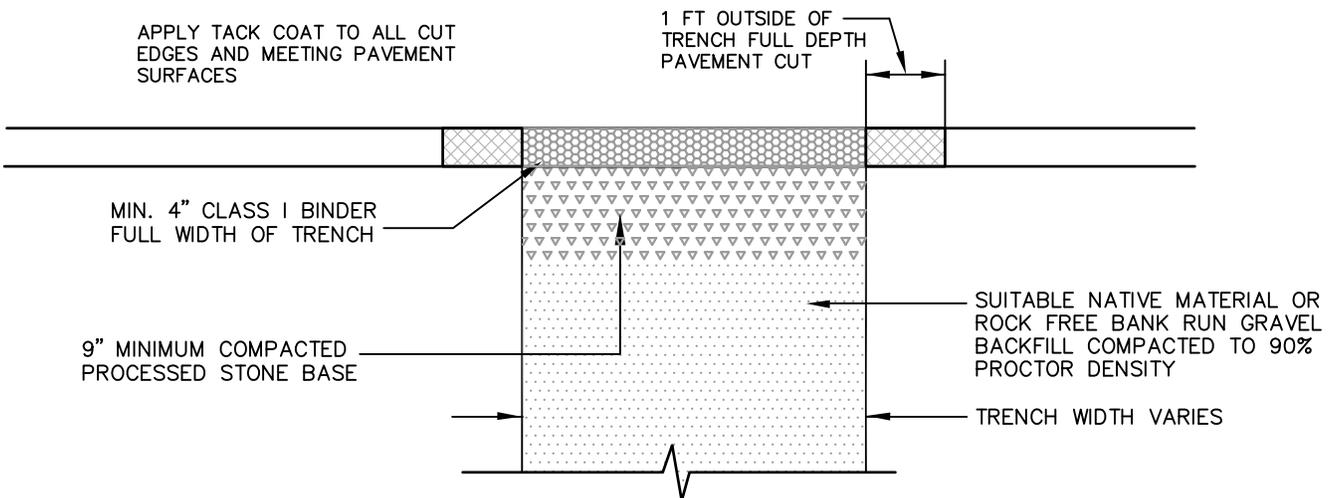
**P-2**



**TOWN OF AVON**  
 60 WEST MAIN STREET AVON, CONN.  
 ENGINEERING DEPT.  
 TYPICAL TRENCH IN PAVEMENT DETAIL  
 PAVEMENT IS GREATER THAN 5 YRS OLD  
 SCALE: NONE      DATE: 3/21/13



TYPICAL PERMANENT TRENCH IN PAVEMENT DETAIL

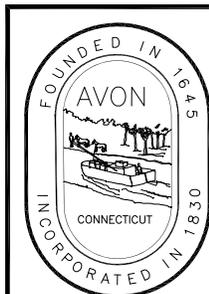


TYPICAL TEMPORARY TRENCH IN PAVEMENT DETAIL

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**P-3**



**TOWN OF AVON**

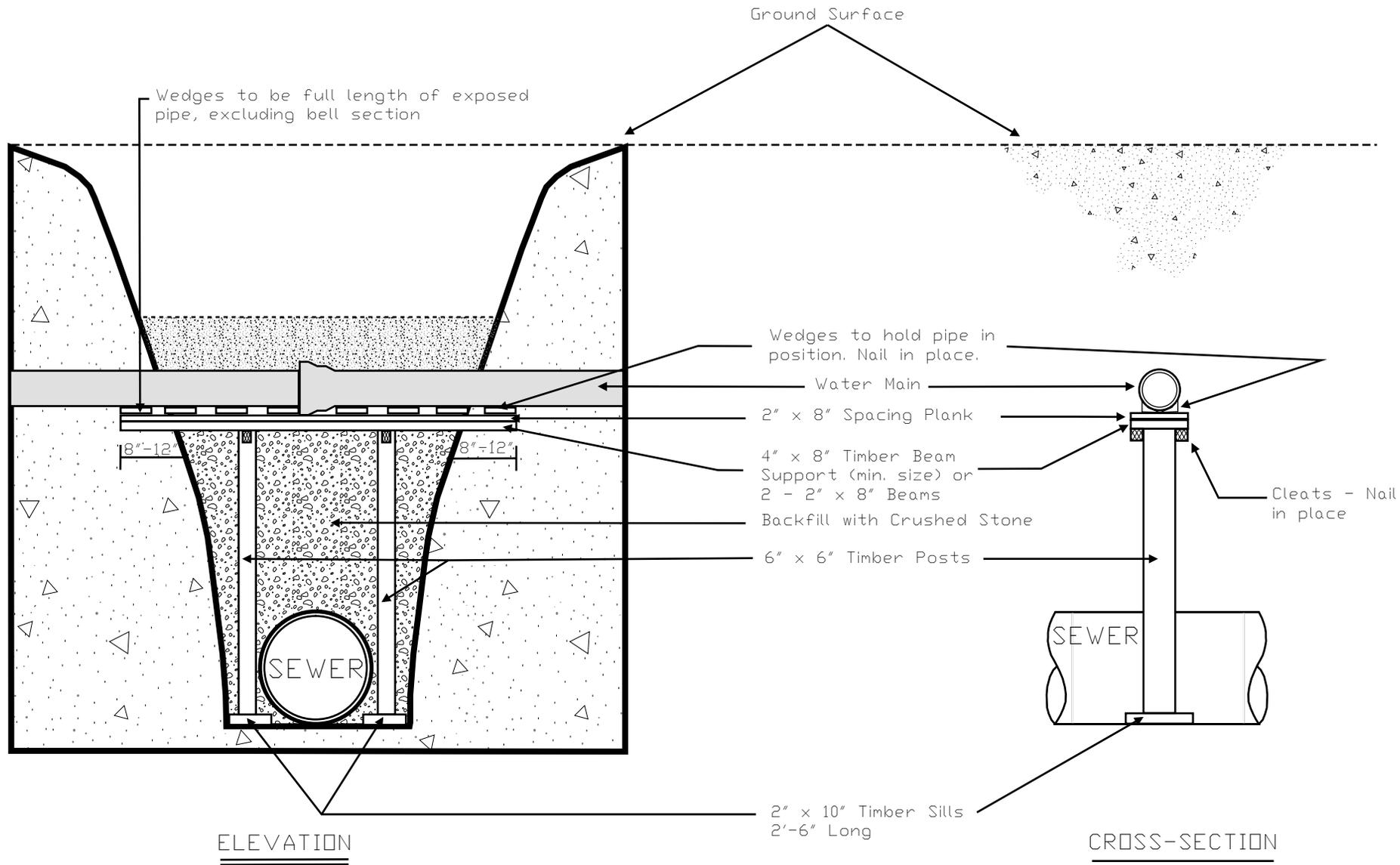
60 WEST MAIN STREET AVON, CONN.

*ENGINEERING DEPT.*

TYPICAL TRENCH IN PAVEMENT DETAIL

SCALE: NONE

DATE: 3/21/13



Note:  
 Installed by Contractor as directed by the Avon Water Company. The backfill around water main must be thoroughly compacted with gravel conforming to Grade "B" gravel under CT State Department of Transportation Form 811 Section M02.07-1 gradation and to the satisfaction of the Avon Water Company. Contractor to submit details of pipe support for approval from the Avon Water Company. Temporary support installation must be approved by the Avon Water Company. Gravel to be compacted to 95% density.

NOT TO SCALE

**AVON WATER COMPANY**  
**14 WEST MAIN STREET**  
**AVON, CT 06001**

**PERMANENT STRUCTURAL SUPPORT FOR WATER MAINS**