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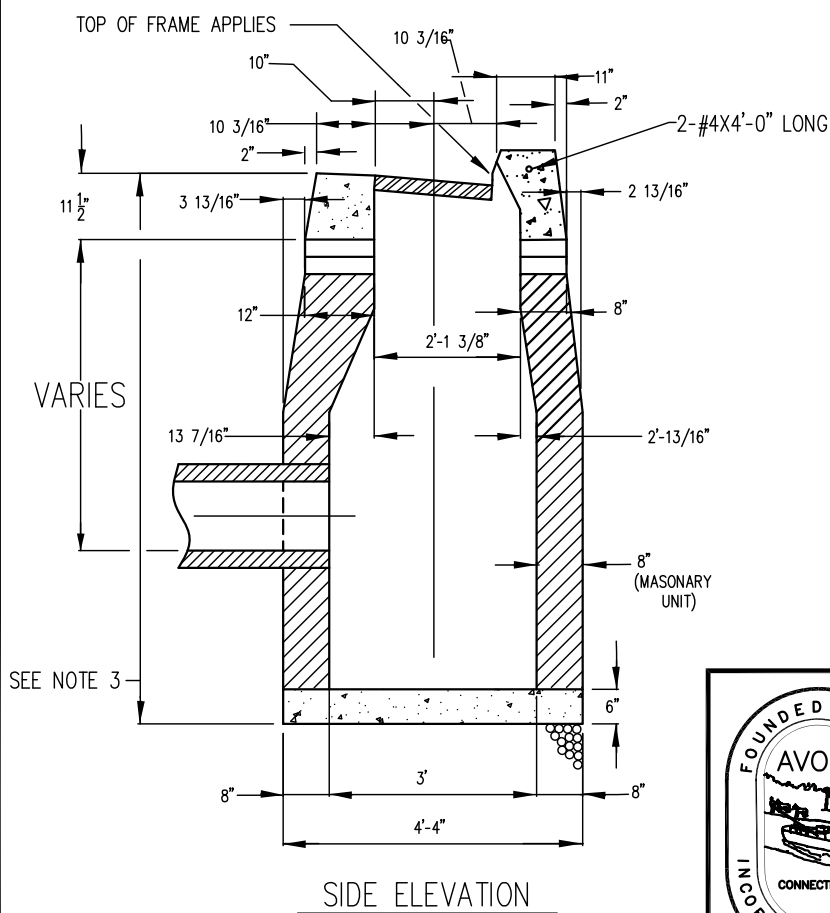
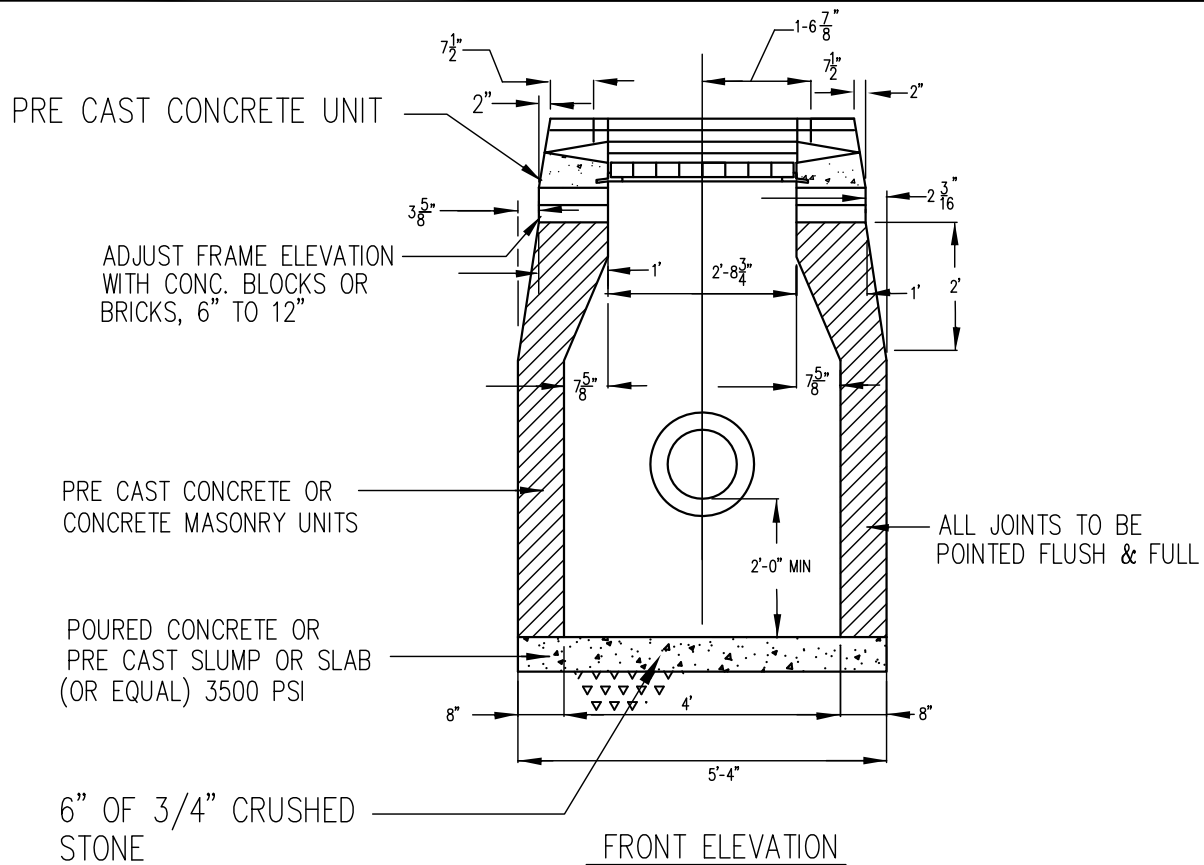
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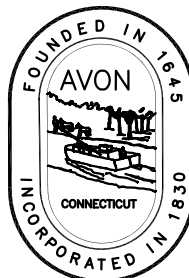
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NOTES:

1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME.
4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
5. ALL BRICKS SHALL BE CONCRETE.
6. TOPS SHALL BE MORTARED ON.
7. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.

ST-1



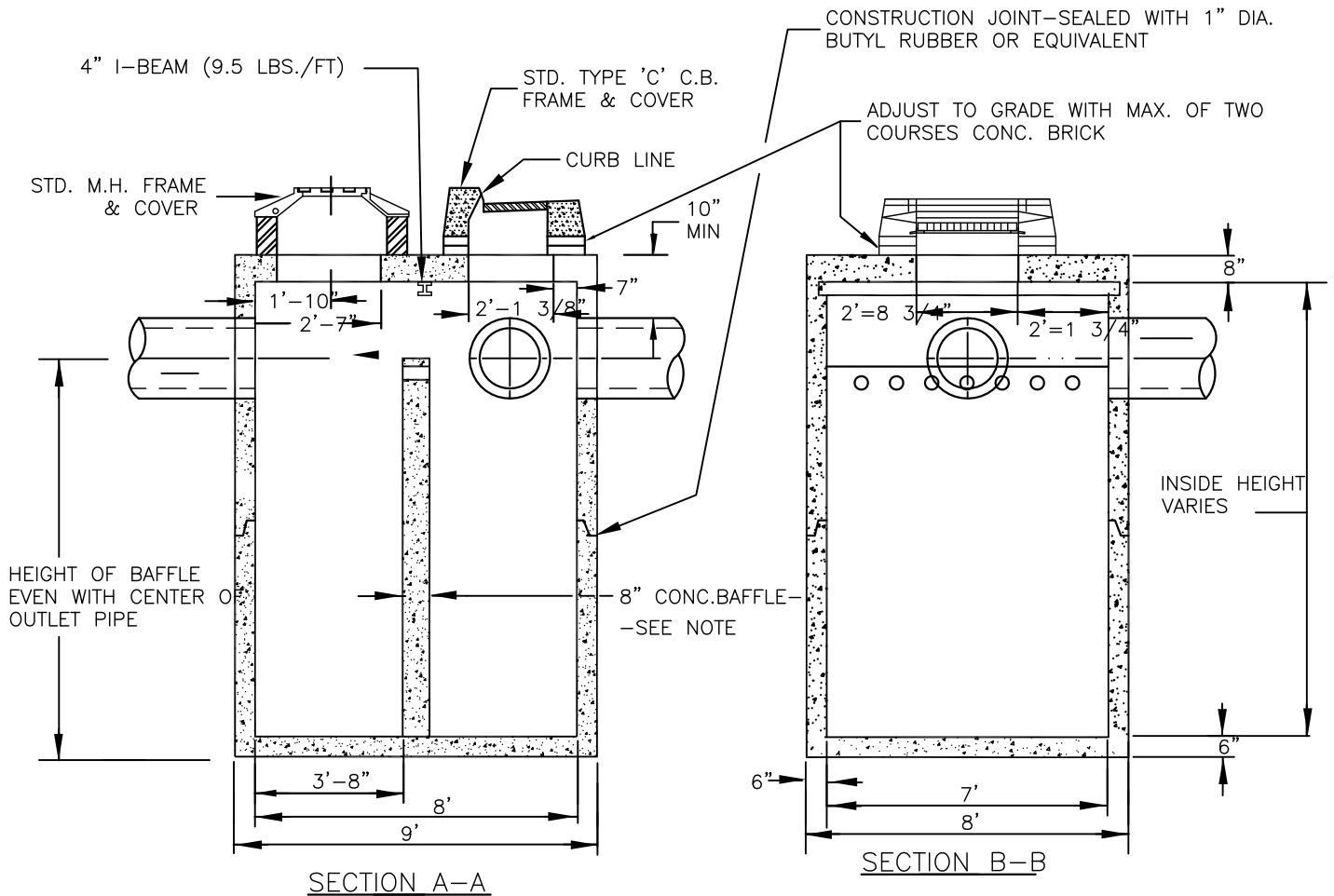
TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

TYPE "C" CATCH BASIN

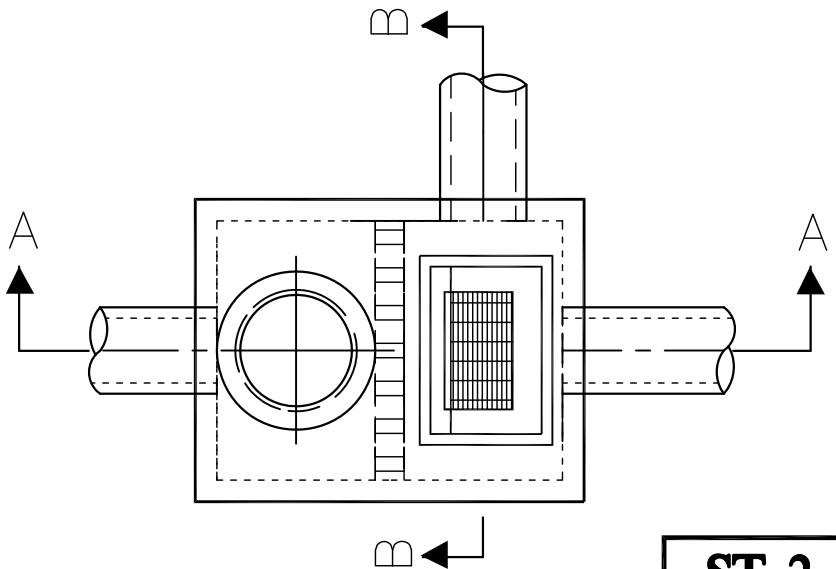
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DATE: 1/3/18

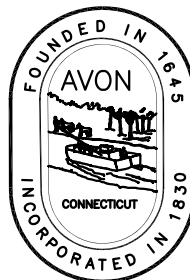


NOTES:

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.
6. TOPS SHALL BE MORTARED ON.
7. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.



ST-2



TOWN OF AVON

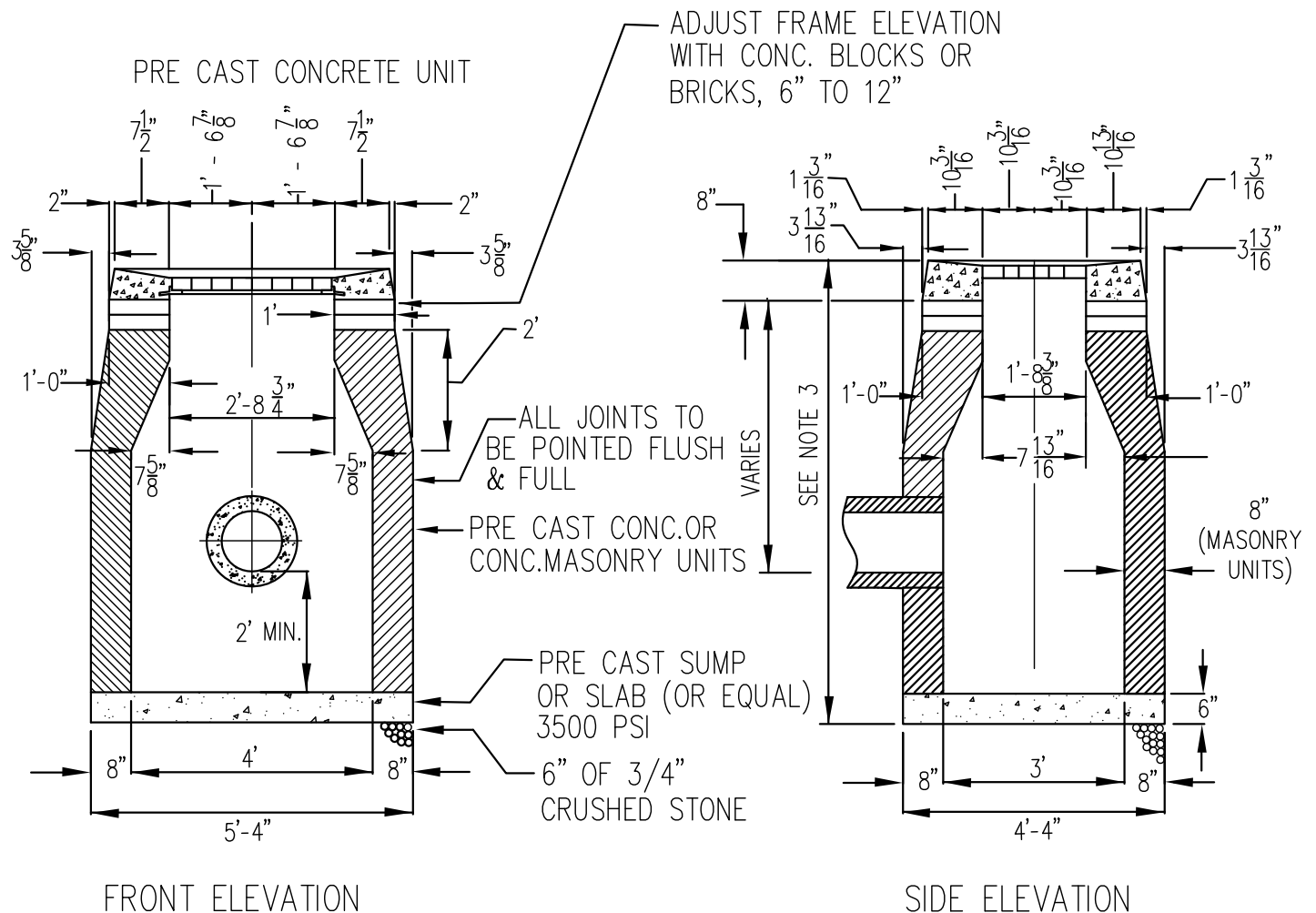
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

**SEDIMENTATION STRUCTURE
TYPE II**

SCALE: NONE

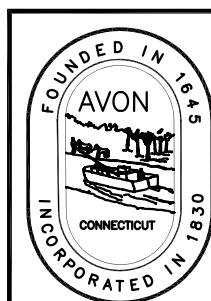
DATE: 1/3/18



NOTES:

1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME.
4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
5. ALL BRICKS SHALL BE CONCRETE
6. TOPS SHALL BE MORTARED ON.
7. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.

ST-3



TOWN OF AVON

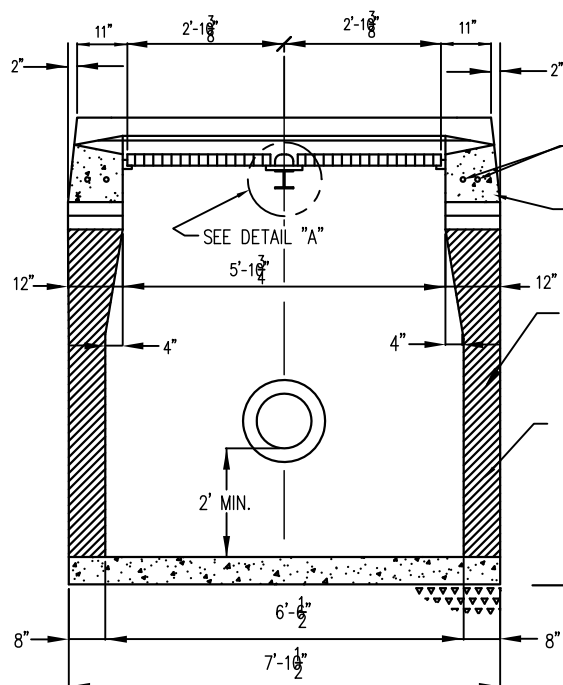
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ENGINEERING DEPT.

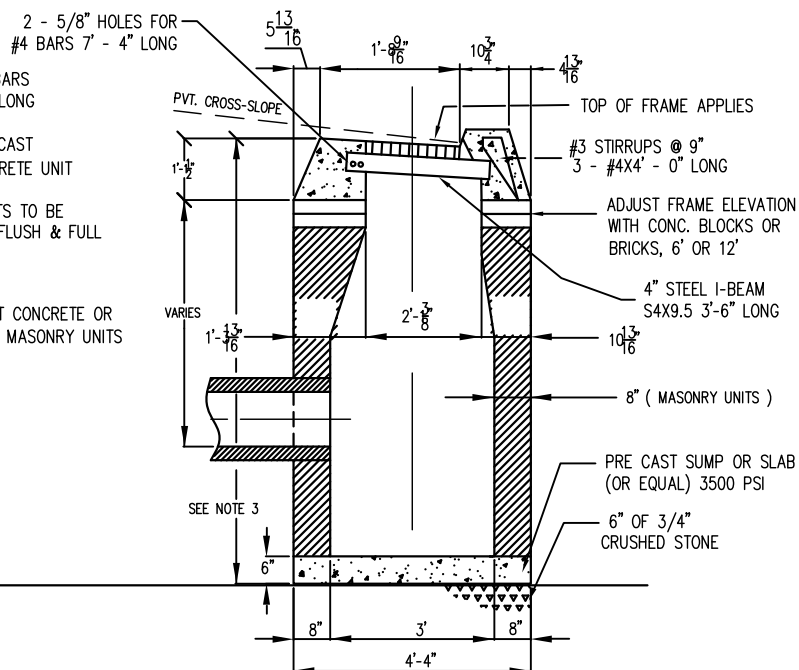
TYPE "C-L" CATCH BASIN

SCALE: NONE

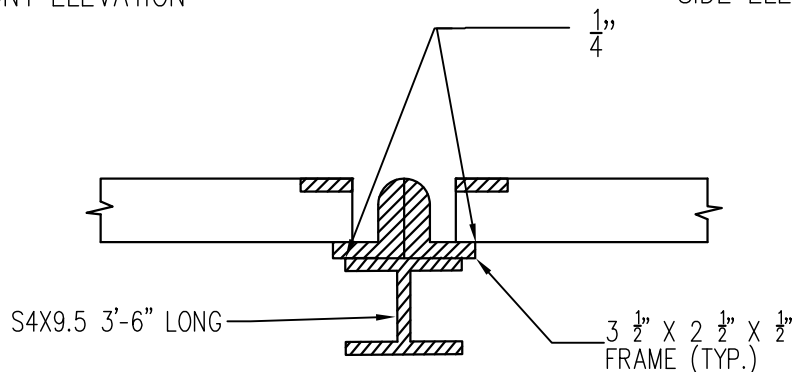
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FRONT ELEVATION



SIDE ELEVATION



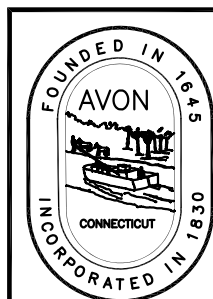
DETAIL "A"

NOTES:

1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME.
4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
5. ALL BRICKS SHALL BE CONCRETE.
6. TOPS SHALL BE MORTARED ON.
7. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.

NOTE: USE C-L GRATE FOR A TYPE C-L DOUBLE GRATE BASIN.

ST-4



TOWN OF AVON

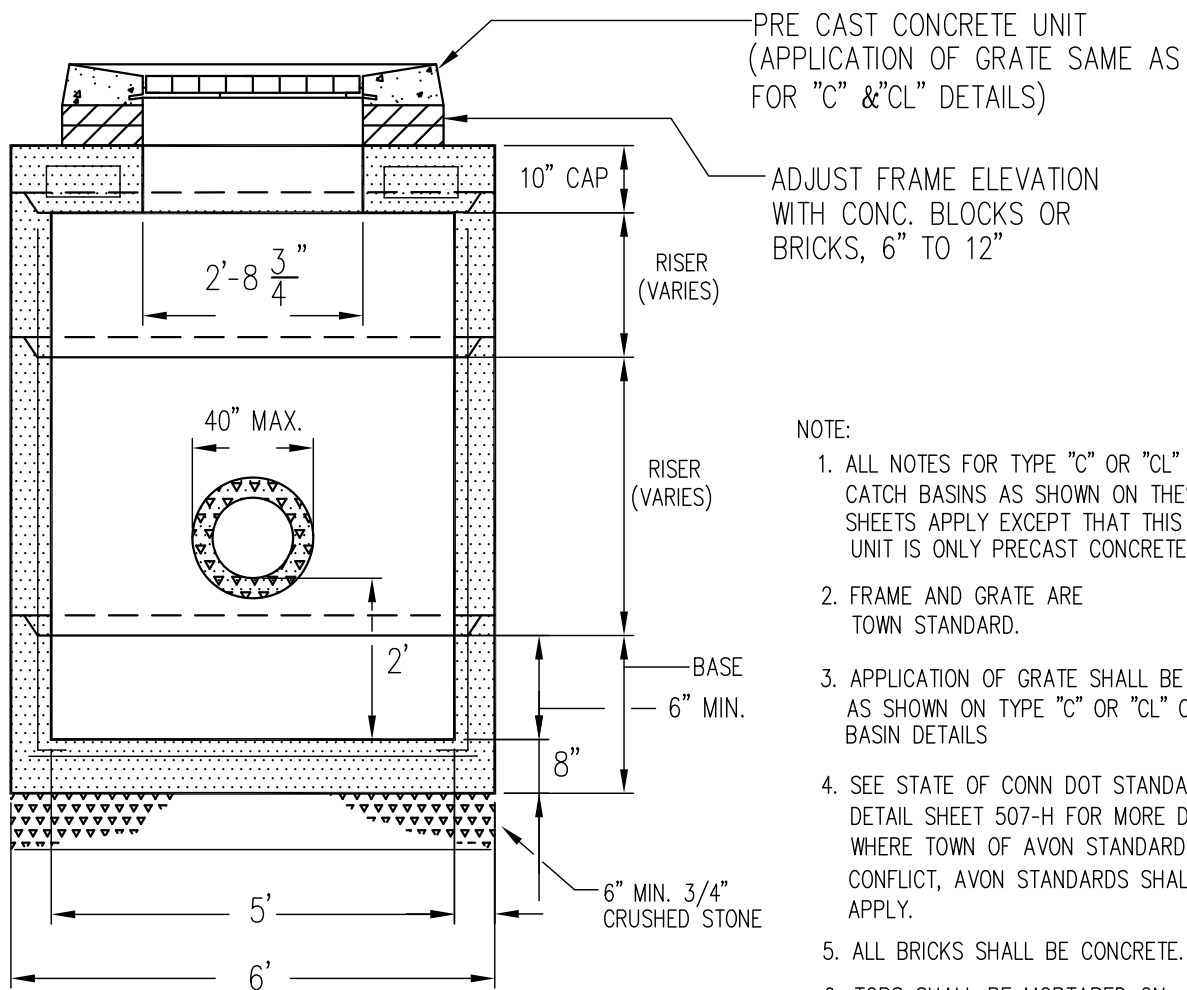
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

TYPE "C" CATCH BASIN
DOUBLE GRATE TYPE II

SCALE: NONE

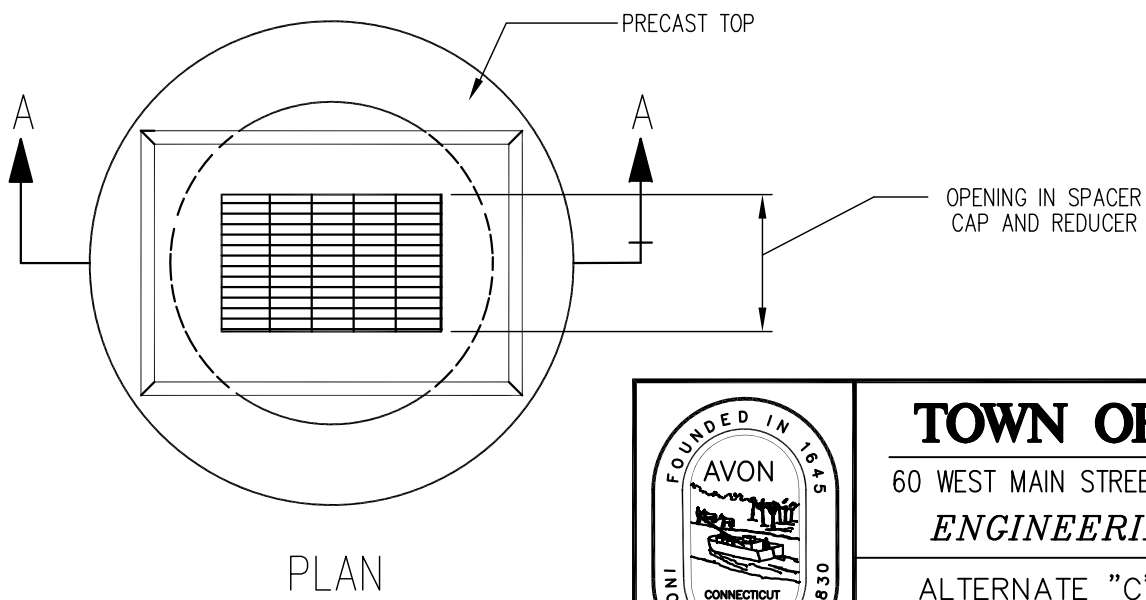
DATE: 1/3/18



NOTE:

1. ALL NOTES FOR TYPE "C" OR "CL"
CATCH BASINS AS SHOWN ON THESE DETAIL
SHEETS APPLY EXCEPT THAT THIS
UNIT IS ONLY PRECAST CONCRETE.
2. FRAME AND GRATE ARE
TOWN STANDARD.
3. APPLICATION OF GRATE SHALL BE SAME
AS SHOWN ON TYPE "C" OR "CL" CATCH
BASIN DETAILS
4. SEE STATE OF CONN DOT STANDARD
DETAIL SHEET 507-H FOR MORE DETAILS.
WHERE TOWN OF AVON STANDARDS
CONFLICT, AVON STANDARDS SHALL
APPLY.
5. ALL BRICKS SHALL BE CONCRETE.
6. TOPS SHALL BE MORTARED ON.
7. PRECAST SECTIONS SHALL BE MORTARED
OR MASTIC BETWEEN THE PRECAST SECTIONS.

SECTION A-A
PRECAST ROUND CATCH BASIN
TYPE "C" OR "C-L" (ALTERNATE)



ST-5



TOWN OF AVON

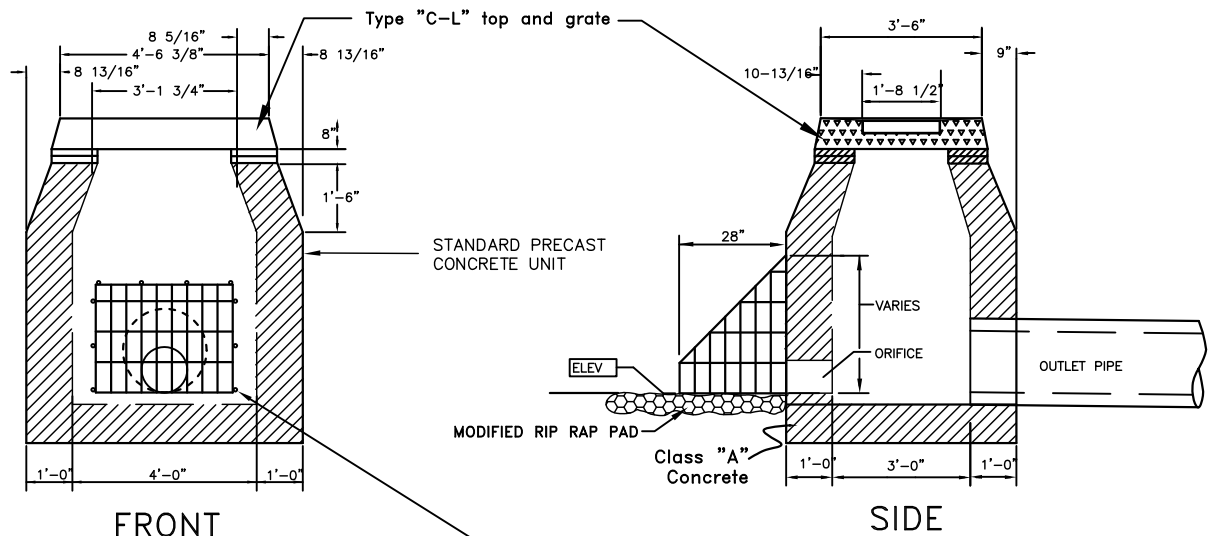
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

ALTERNATE "C" OR "C-L"
CATCH BASIN

SCALE: NONE

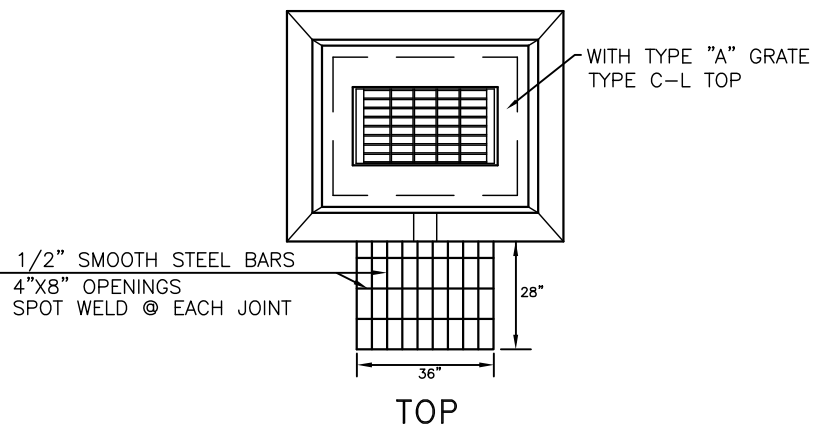
DATE: 1/3/18



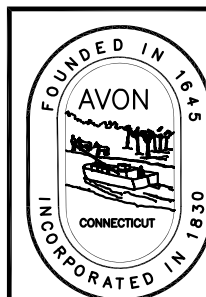
CIRCULAR FASTENERS TO BE SPOT WELDED AS DEPICTED
AND ANCHOR BOLTED INTO FRONT OF STRUCTURE WITH
MINIMUM 1/2"x3" STAINLESS STEEL BOLTS

NOTES:

1. ALL EXTERIOR WALLS OF CATCH BASIN WILL BE FACED, PAINTED AND GROUTED WITH CEMENT.
2. LADDER RUNGS SHALL BE PROVIDED IN CATCH BASIN WHERE HEIGHT OF STRUCTURE EXCEEDS 8 FEET.
3. IN SANDY SOILS APPLY DAMP-PROOFING ON ALL FOUR WALLS.
4. RED BRICK NOT TO BE USED.
5. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.
6. WHERE MASONRY CONCRETE UNITS ARE USED CORBELLING WILL BE PERMITTED. MAX. CORBEL TO BE 3". NO PROJECTION SHALL EXTEND INSIDE OF LIMITS.
7. ADJUST FRAME ELEVATION WITH BRICKS 6" TO 12"
8. PROVIDE MINIMUM 2'-0" OF COVER OVER PIPE AT BELLS
9. PROVIDE 6" OF 3/4" TRAPROCK UNDER EACH STRUCTURE AT BASE.
10. TOP GRATE SHALL BE SECURED TO FRAME.
11. TOPS SHALL BE MORTARED ON.
12. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.



ST-6



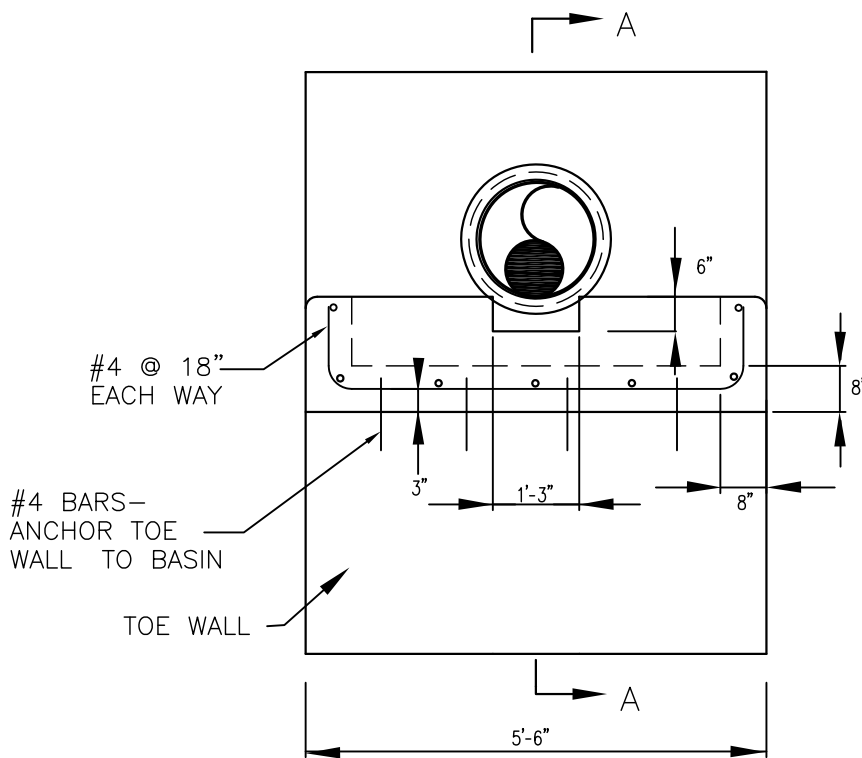
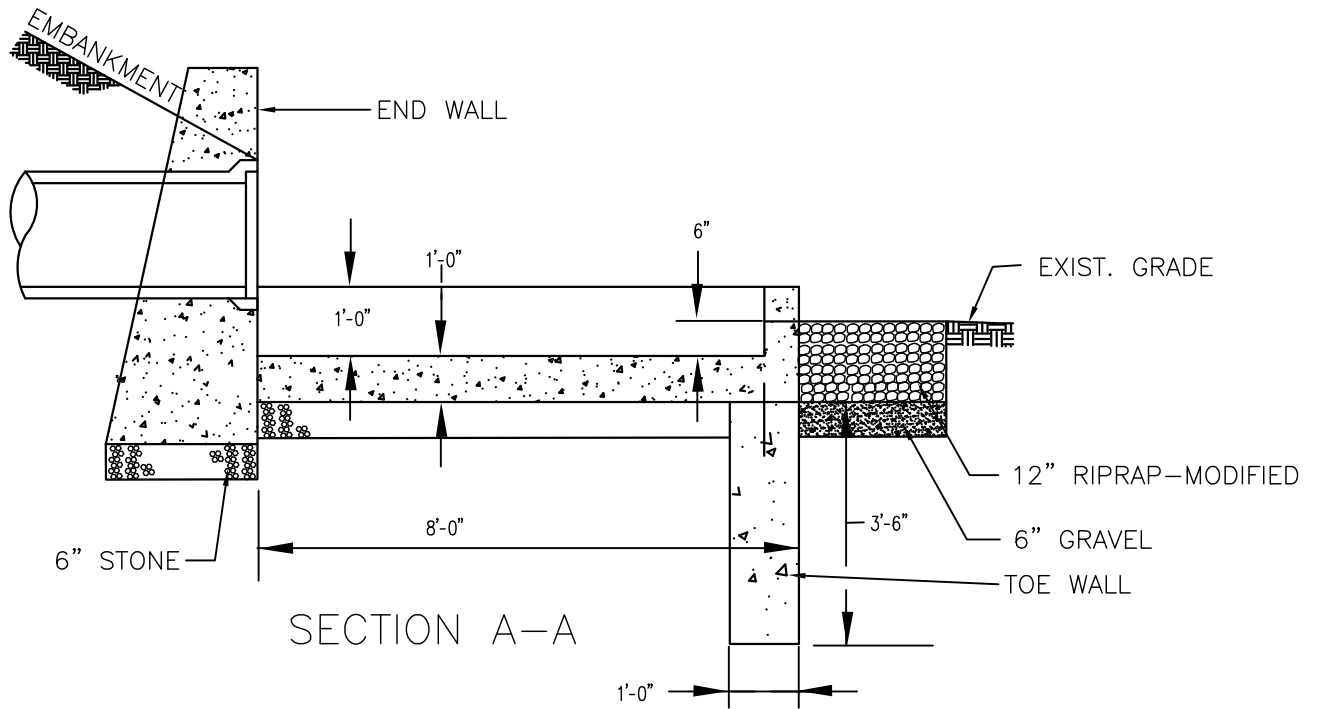
TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

DETENTION BASIN OUTLET

SCALE: NONE

DATE: 1/3/18



NOTE:

THIS DESIGN IS FOR SPECIAL CASES ONLY. USE OF THIS BASINS MUST BE APPROVED BY THE TOWN ENGINEER.

FOR END WALL DIMENSIONING REFER TO THE STANDARD DETAIL FOR CONCRETE END WALL.

ST-7



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

IMPACT BASIN

SCALE: NONE

DATE: 1/3/18

STANDARD FRAME AND COVER
ADJUST FRAME TO FIT WITH
CONC. BRICK (6" TO 12" MAX.)

STANDARD STEPS
(SEE PLASTIC OR FIBERGLASS
MANHOLE STEP DETAIL)

ALL JOINTS TO BE
POINTED FLUSH AND
FULL

PRE CAST CONCRETE OR
CONCRETE MASONRY UNIT

CONCRETE OR BRICK
INVERT.

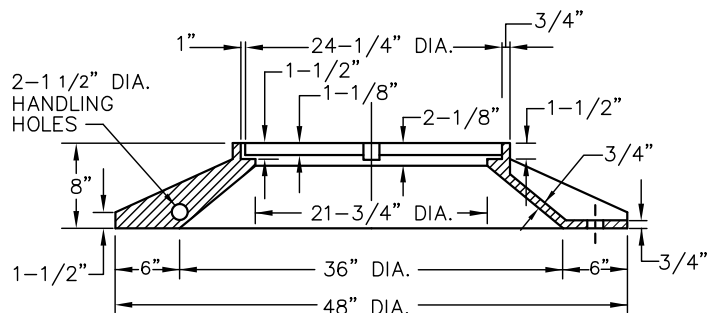
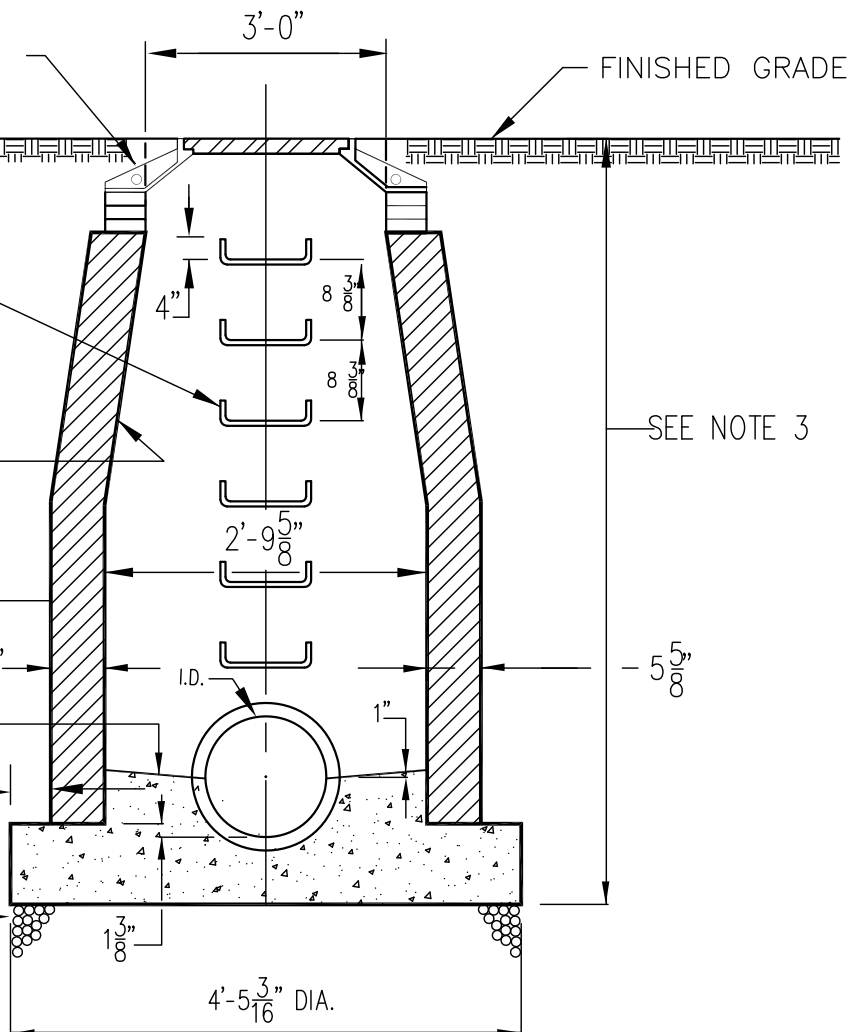
6" OF CRUSHED
STONE

COVER FOR
STORM MH



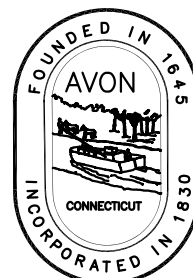
NOTES:

1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME.
4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
5. TOPS SHALL BE MORTARED ON.
6. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.



SECTION B-B

ST-8



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

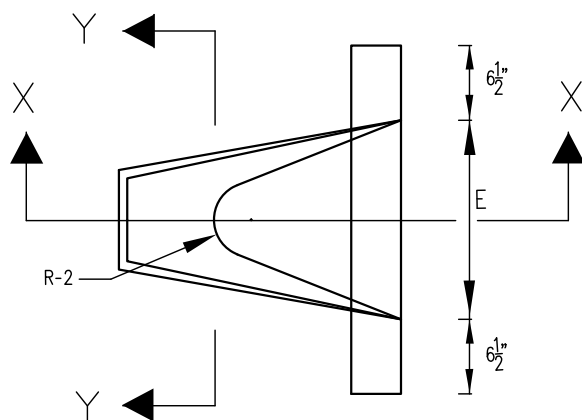
ENGINEERING DEPT.

STORM MANHOLE

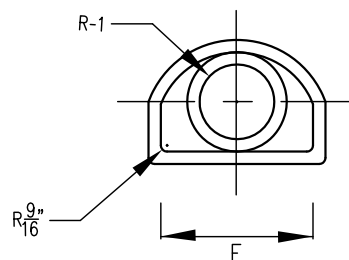
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DATE: 1/3/18

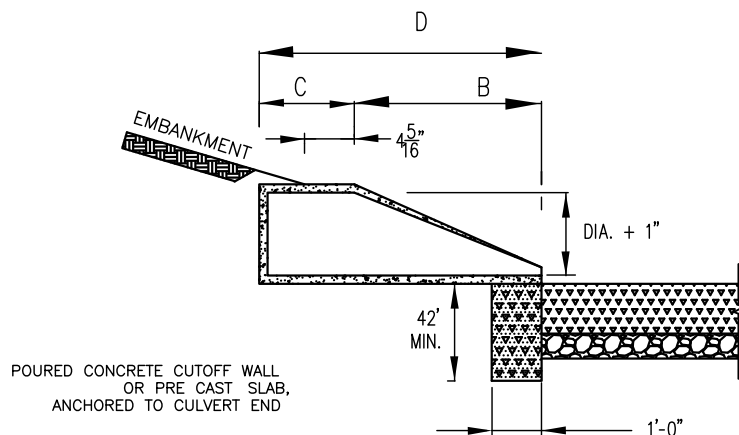
DIMENSIONS								
DIA.	A	B	C	D	E	F	R-1	R-2
12"	4"	2'-0"	6'-0 3/8"	6'-0 3/8"	2'-0"	1'-7 15/16"	1'-0 1/4"	9"
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 5/16"	1'-0 1/2"	11"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"	1'-3 1/2"	1'-0"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 3/16"	1'-4 13/16"	1'-2"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3'-1"	1'-6 1/2"	1'-3"
36"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3'-11 13/16"	2'-0 5/16"	1'-8"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 7/8"	2'-3 1/2"	1'-10"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"	2'-4 1/2"	1'-10"



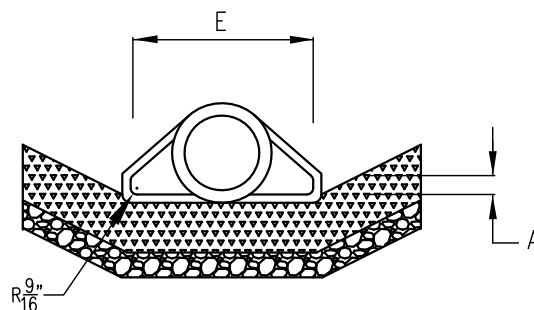
PLAN



SECTION Y-Y



SECTION X-X



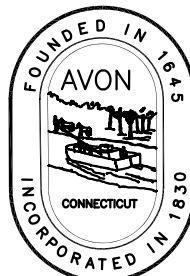
END VIEW

NOTES:

JOINTS SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT AS REQUIRED TO CONFORM TO PIPE.

WALL THICKNESS SHALL CONFORM TO PIPE THICKNESS.

STRUCTURE SHALL BE PLACED ON EXISTING SUITABLE COMPACTED MATERIAL OR 12" GRAVEL BASE.



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

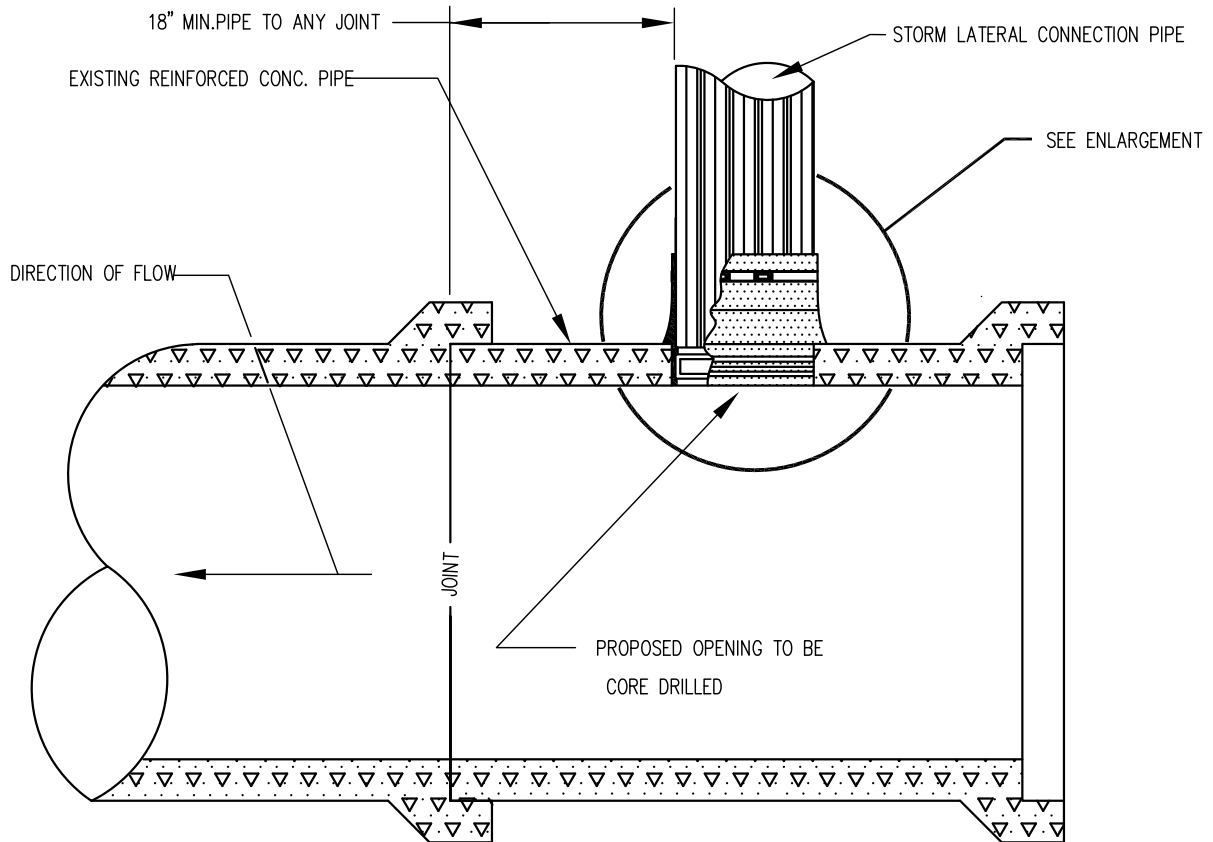
ENGINEERING DEPT.

CONCRETE CULVERT END

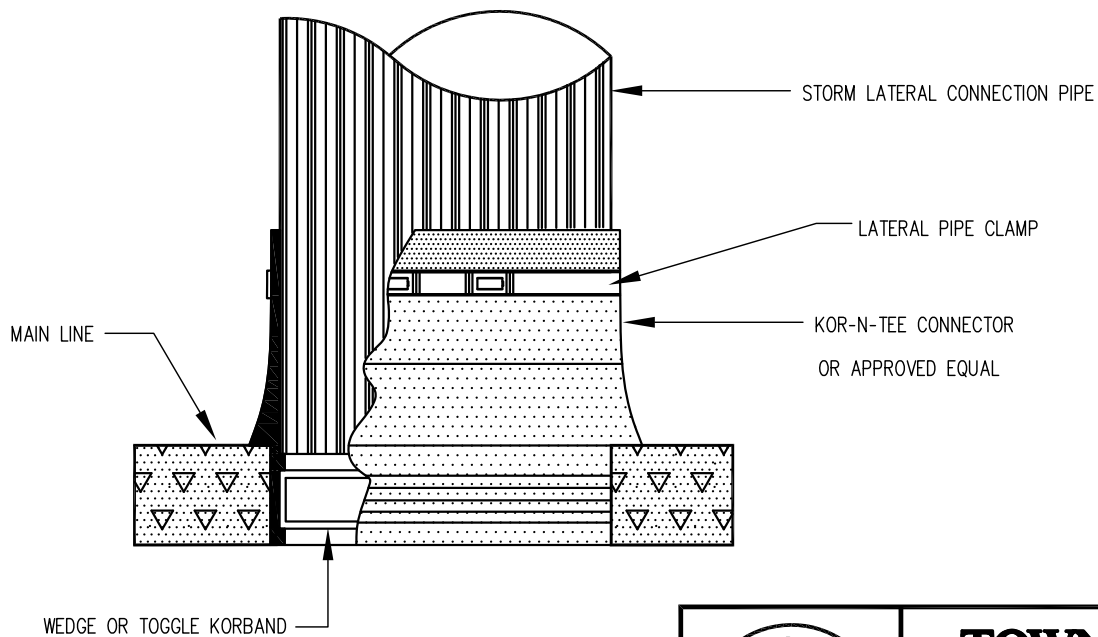
SCALE: NONE

DATE: 1/3/18

ST-9



CUTAWAY VIEW



ENLARGEMENT

ST-10



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

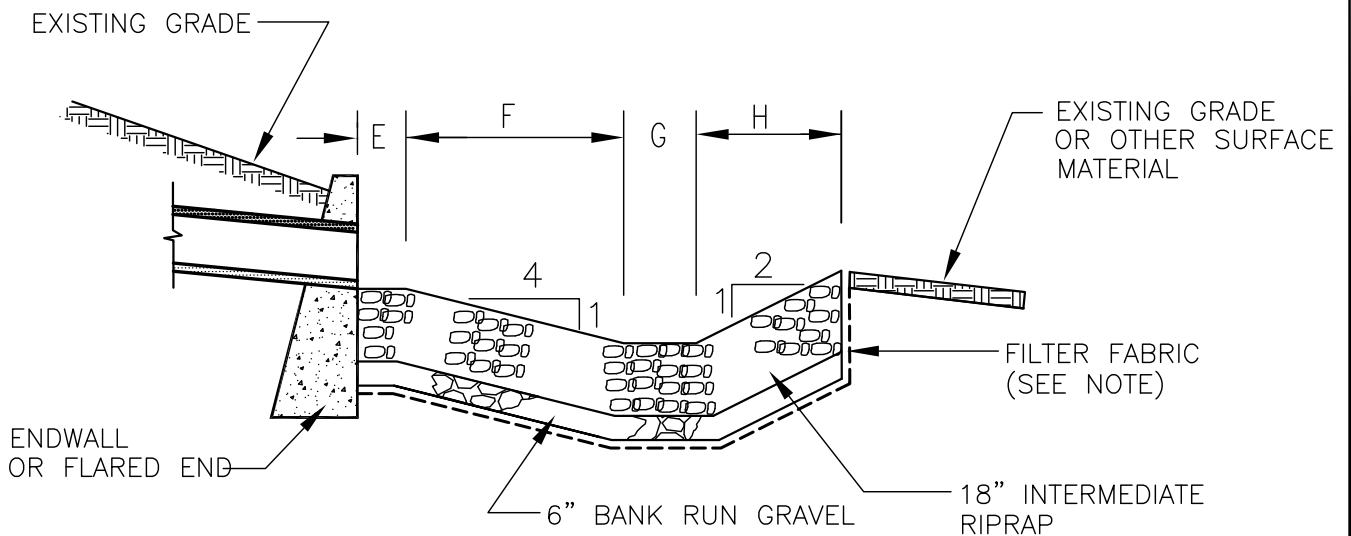
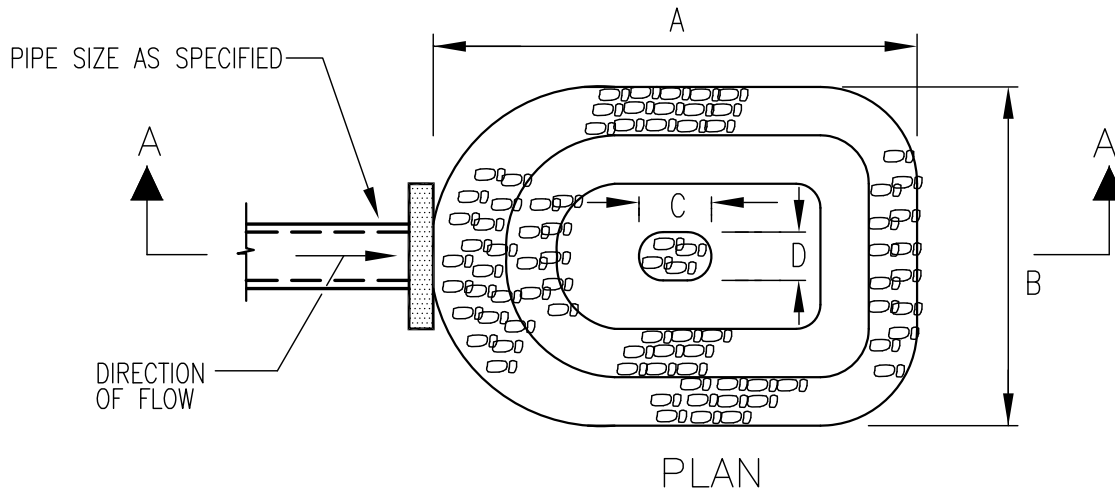
ENGINEERING DEPT.

PIPE TO PIPE
CONNECTION DETAIL

SCALE: NONE

DATE: 1/3/18

PIPE SIZE	A	B	C	D	E	F	G	H	WT RIP-RAP IN TONS
15"	10'	7'	1 1/2'	1'	1'	4 1/2'	1 1/2'	3'	6
18"	12'	8'	2'	1'	1'	5'	2'	4'	8
21"	13'	9'	2 1/2'	1 1/2'	1'	7'	2 1/2'	4 1/2'	12
24"	17'	10'	2 1/2'	1 1/2'	1'	8'	2 1/2'	5 1/2'	15
30"	20'	13'	3'	2'	2'	9'	3'	6'	22
36"	22'	16'	3 1/2'	2'	2'	9 1/2'	3 1/2'	7'	33



NOTES:

1. THIS IS A MINIMUM SIZING OF RIP RAP AND SHALL BE IN ACCORDANCE WITH DOT OR NRCS METHOD
2. FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC- AND AOS OF 0.43 TO 0.22 AND SHALL MEET AASHTO M288-96.

ST-11



TOWN OF AVON

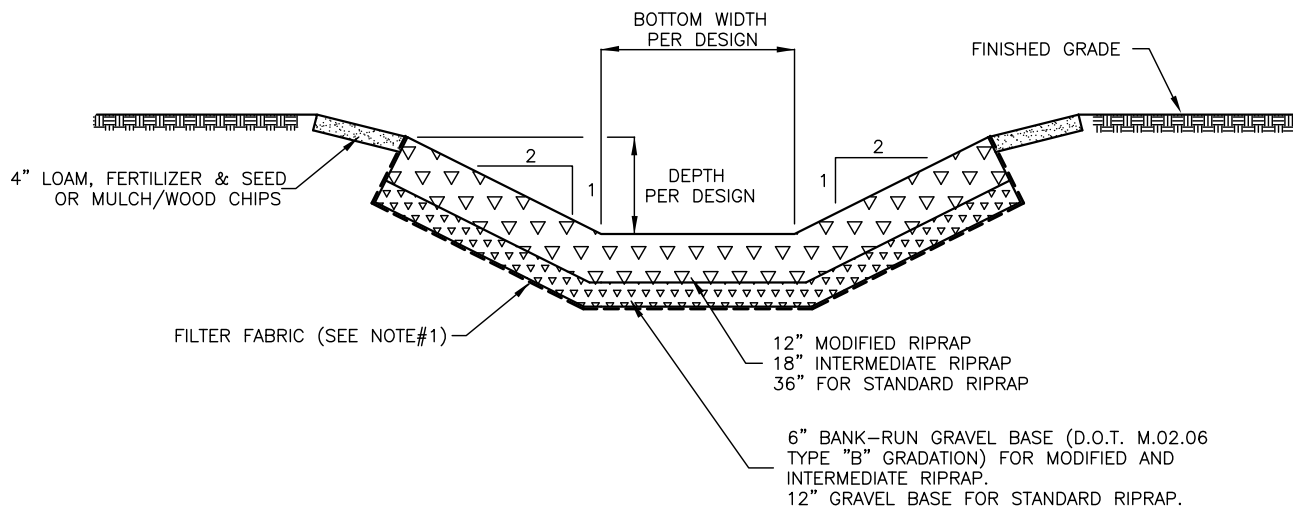
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

ENERGY DISSIPATER

SCALE: NONE

DATE: 1/3/18

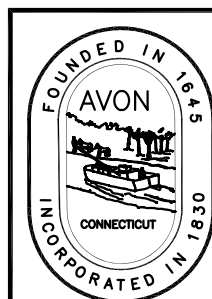


NOTE: STANDARDS GIVEN ARE FOR MIN. REQUIREMENTS. ACTUAL THICKNESS IS TO BE DETERMINED BY DESIGN.

NOTE:

1. FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC^{-1} AND AOS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

ST-12



TOWN OF AVON

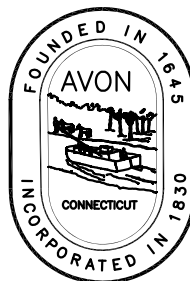
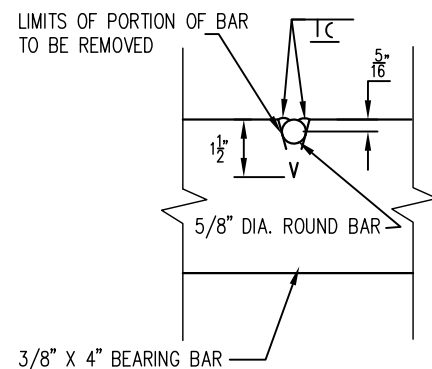
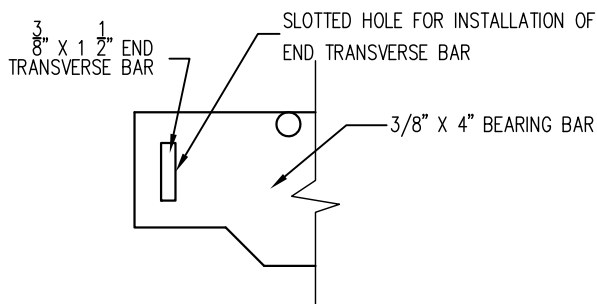
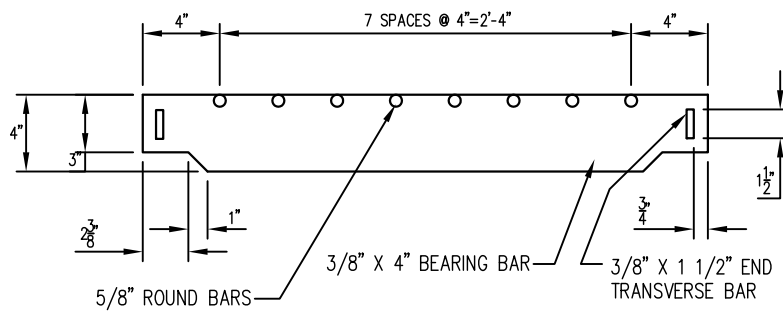
60 WEST MAIN STREET AVON, CONN.

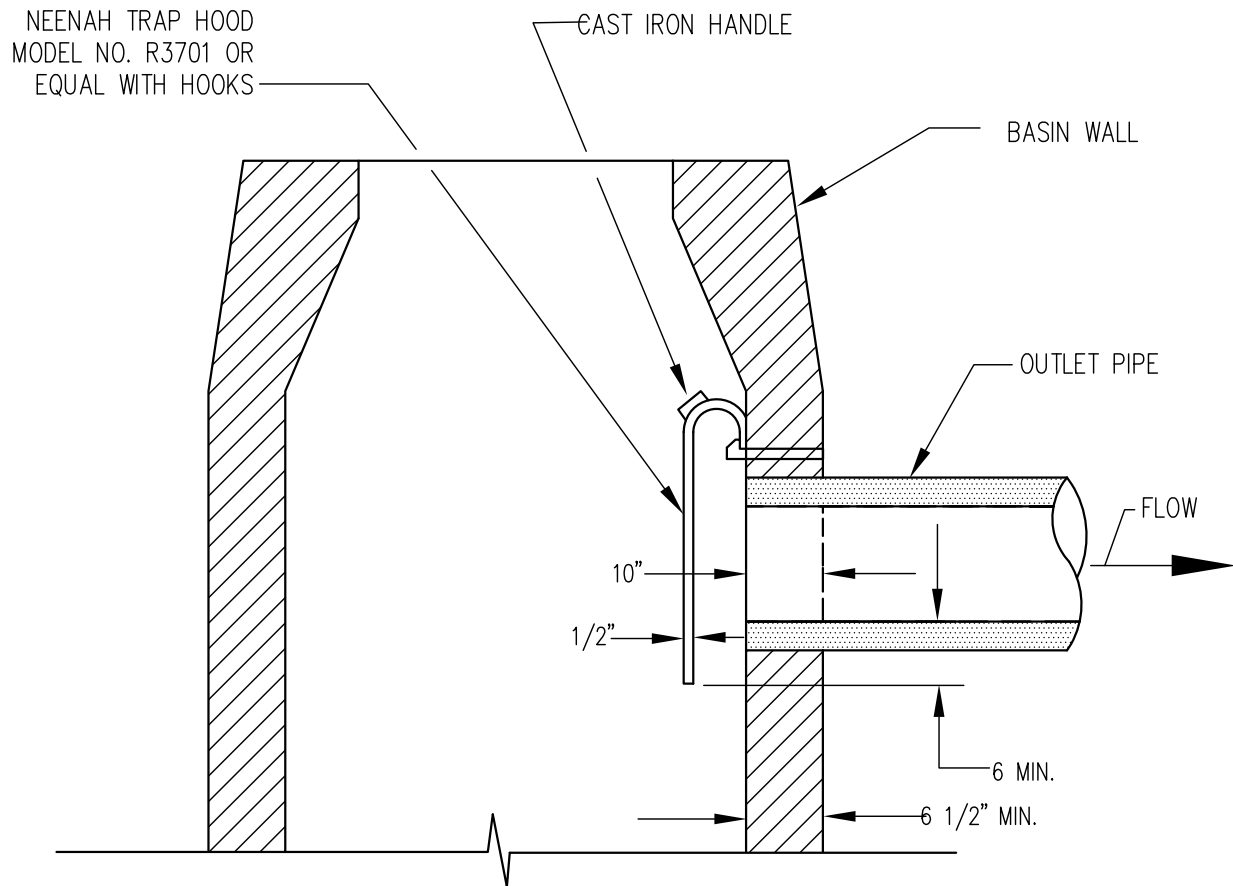
ENGINEERING DEPT.

**RIPRAP DITCH
DETAIL**

SCALE: NONE

DATE: 1/3/18

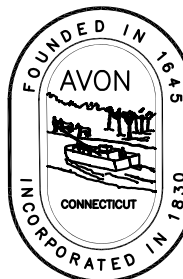




SPECIAL NOTE

1-TRAP HOODS SHALL BE INSTALLED
IN ALL CATCH BASINS, WHERE
REQUIRED BY TOWN ENGINEER TO
SATISFY ENVIRONMENTAL CONCERNS.

ST-14



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

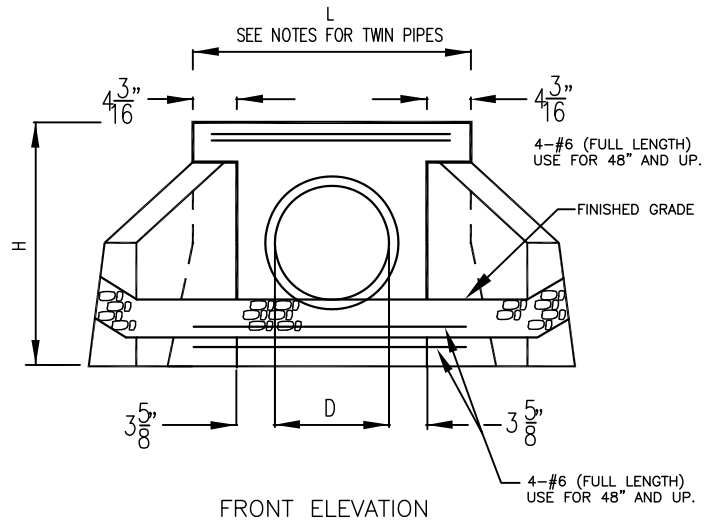
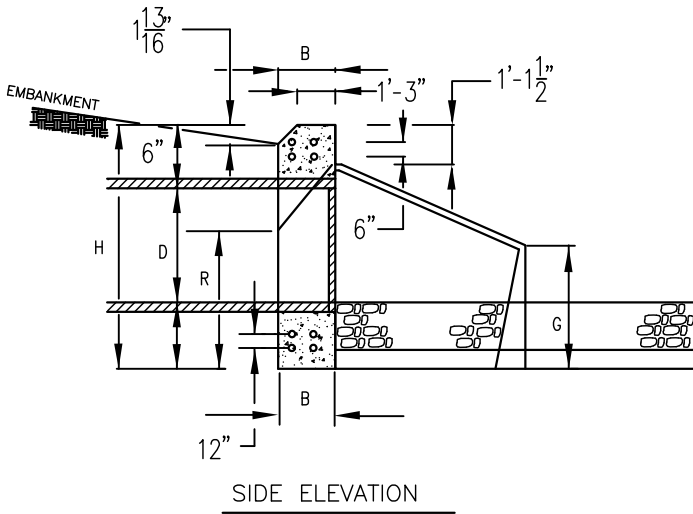
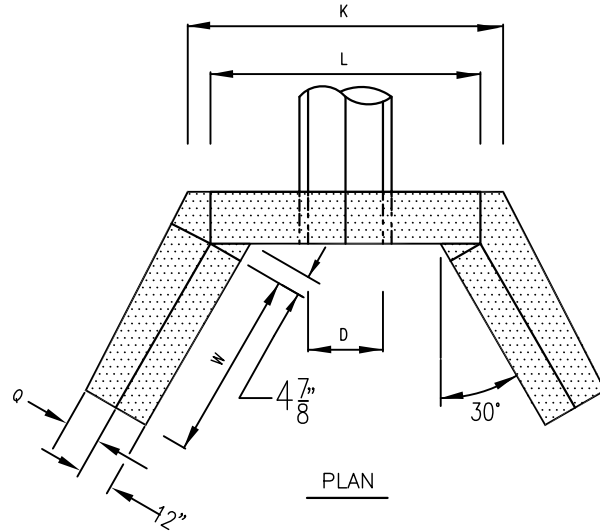
TRAP HOOD INSTALLATION

SCALE: NONE

DATE: 1/3/18

DIMENSIONS

D	B	C	G	H	K	L	P	Q	R	W	CU.YDS.
36"	1'-6"	2'-0"	3'-3"	6'-8"	9'-1 1/2"	7'-3 3/4"	1'-4 7/8"	0'-9 3/4"	3'-4 7/8"	5'-5 3/4"	5.87
42"	1'-6"	2'-0"	3'-3"	7'-2"	9'-10 1/2"	7'-9 3/4"	1'-6 3/8"	0'-9 3/4"	3'-10 1/2"	6'-7 3/4"	6.67
48"	1'-7"	2'-6"	3'-9"	8'-2"	10'-10"	8'-3 3/4"	1'-9 3/8"	0'-11 1/4"	4'-9"	7'-9 1/2"	9.11
60"	1'-7"	2'-6"	3'-9"	9'-2"	12'-4 1/4"	9'-3 3/4"	2'-0 3/8"	0'-11 1/4"	5'-9"	10'-1 1/4"	12.43



CONCRETE WING TYPE "E" ENDWALL

ENDWALL NOTES:

EXPOSED EDGES SHALL BE BEVELED 1"

REINFORCEMENT SHALL HAVE 3" COVER

WHEN ENDWALL IS TO BE USED FOR TWIN PIPES
"L" & "K" DIMENSIONS SHALL BE INCREASED BY O.D.
OF SMALLER PIPE PLUS ONE FOOT. ALL OTHER DIMENSIONS
SHALL CONFORM TO THE LARGER PIPE.

STRUCTURES SHALL BE PLACED ON EXISTING
SUITABLE COMPACTED MATERIAL OR 12"
GRAVEL BASE.

ST-15



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

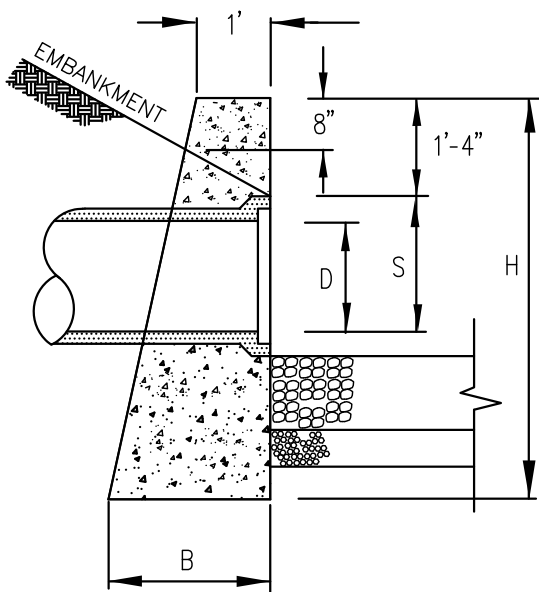
ENGINEERING DEPT.

CONCRETE STANDARD
WING TYPE ENDWALL

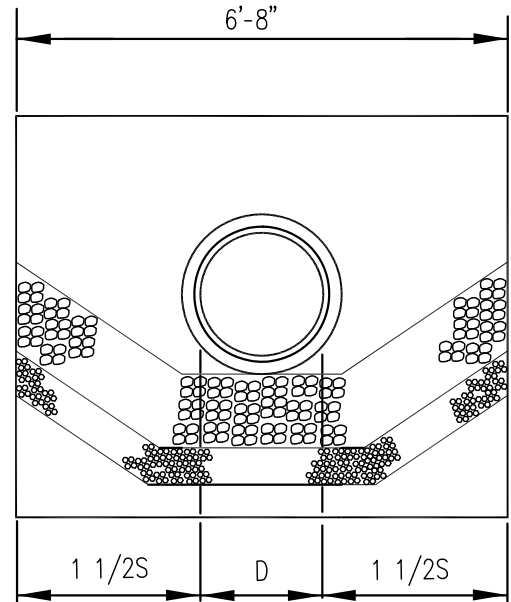
SCALE: NONE

DATE: 1/3/18

DIMENSIONS FOR ONE ENDWALL BASED ON $S=D+2$					
D	S	H	L	BATTER	B
INS	FT & INS	FT & INS	FT & INS	INS & FT	FT & INS
15"	1'-5"	4'-9"	5'-6"	2 1/2"	1'-11 7/8"
18"	1'-8"	5'-0"	6'-6"	2 1/2"	2'-0 1/2"
24"	2'-2"	5'-6"	8'-6"	2 1/2"	2'-1 3/4"
30"	2'-8"	6'-0"	10'-6"	2 1/2"	2'-3"
36"	3'-2"	6'-6"	12'-6"	3"	2'-7 1/2"
42"	3'-6"	7'-0"	14'-6"	3"	2'-9"
48"	4'-2"	7'-6"	16'-6"	3"	2'-10 1/2"



SIDE ELEVATION



FRONT ELEVATION

ENDWALL NOTES

1. EXPOSED EDGES SHALL BE BEVELED 1"
2. REINFORCEMENT SHALL HAVE 3" COVER
3. STRUCTURES SHALL BE PLACED ON EXISTING SUITABLE COMPACTED MATERIAL OR 12" GRAVEL BASE.

ST-16



TOWN OF AVON

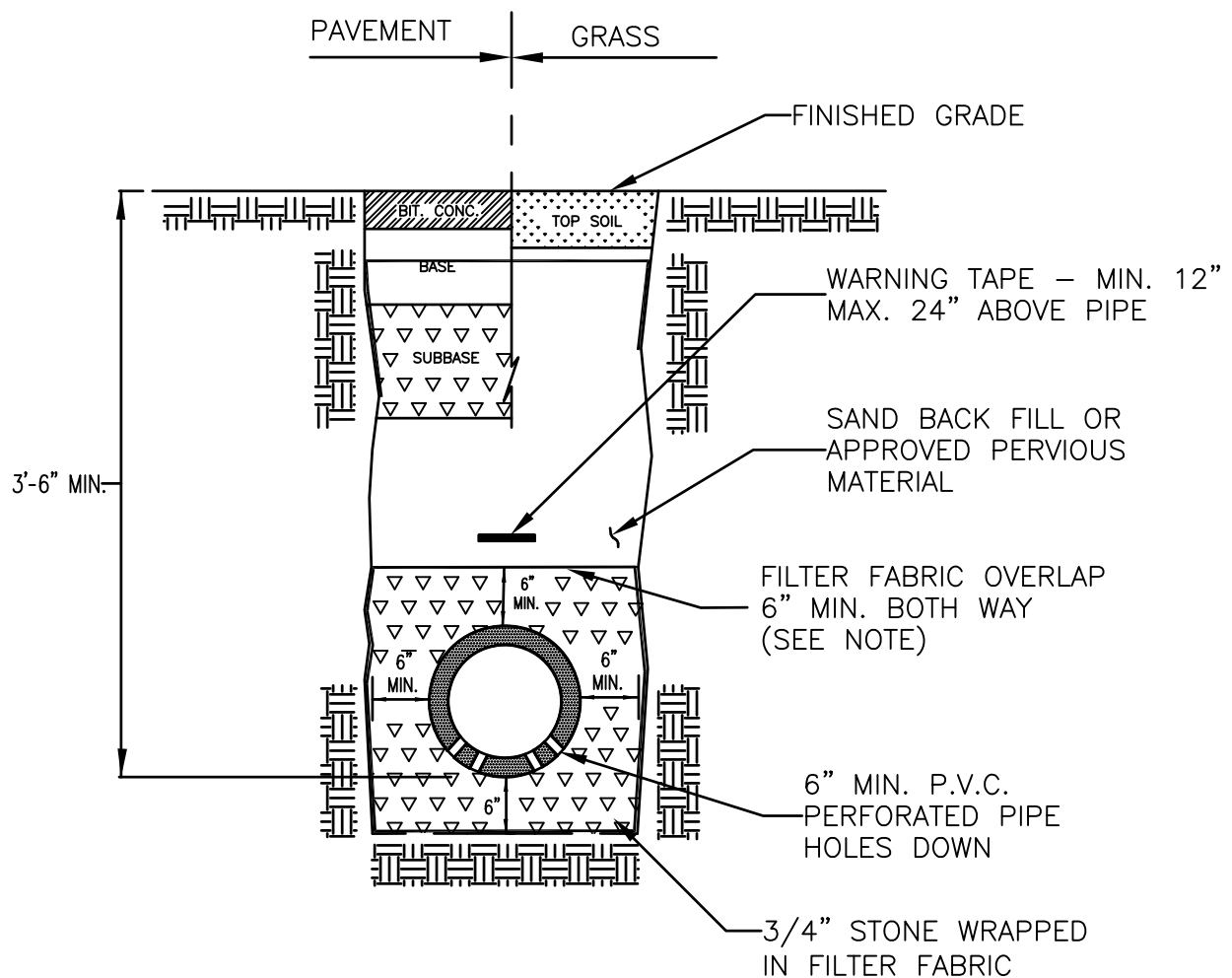
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

CONCRETE STANDARD
ENDWALL

SCALE: NONE

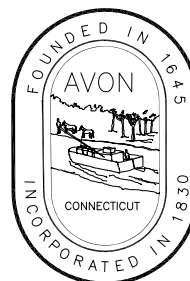
DATE: 1/3/18



NOTE:

FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC¹ AND AOS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

ST-17



TOWN OF AVON

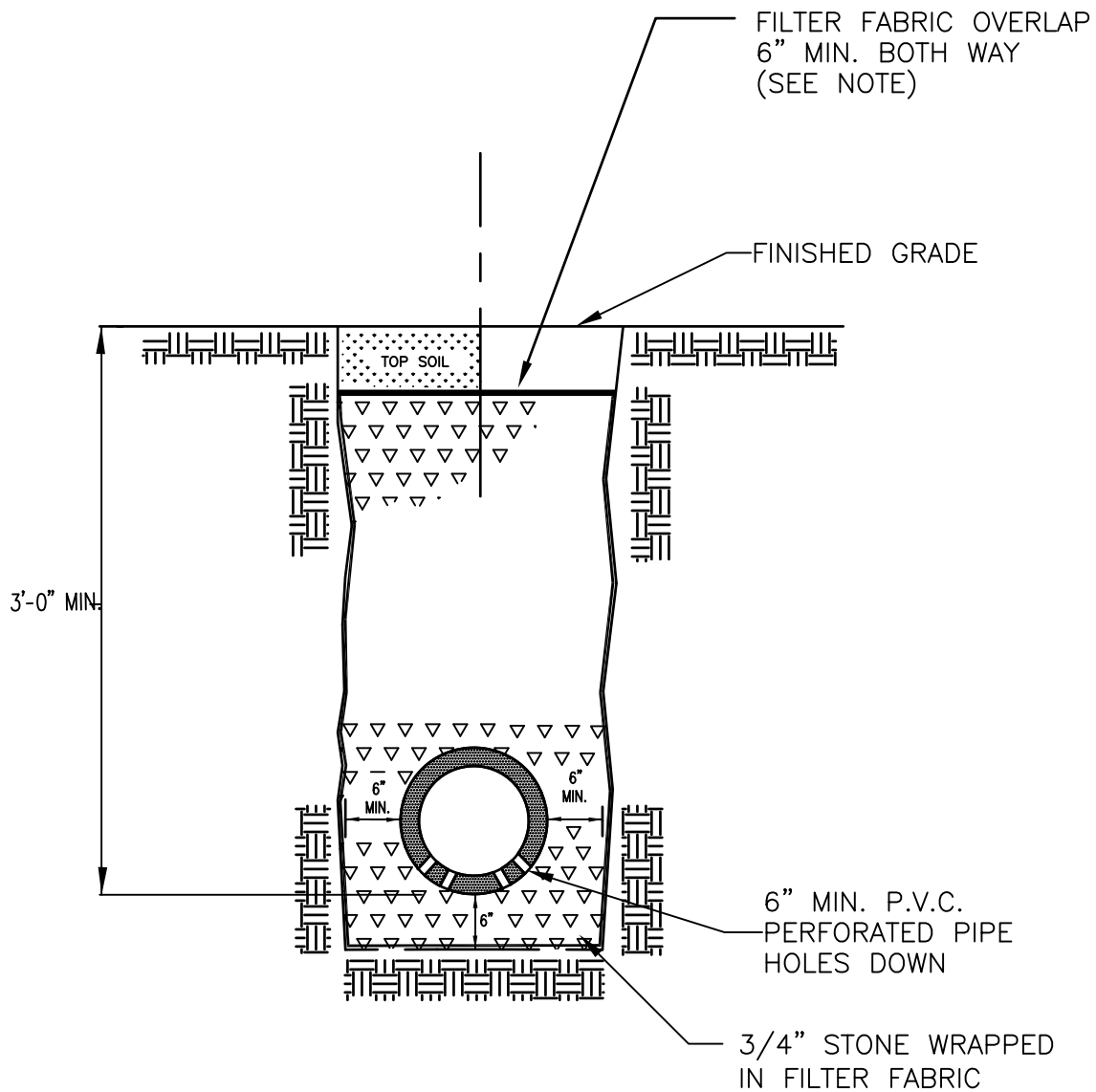
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

UNDERDRAIN DETAIL "A"

SCALE: NONE

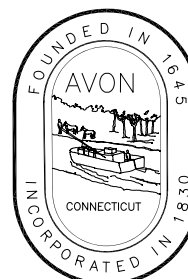
DATE: 5/29/2020



NOTE:

FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC¹ AND AOS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

ST-18



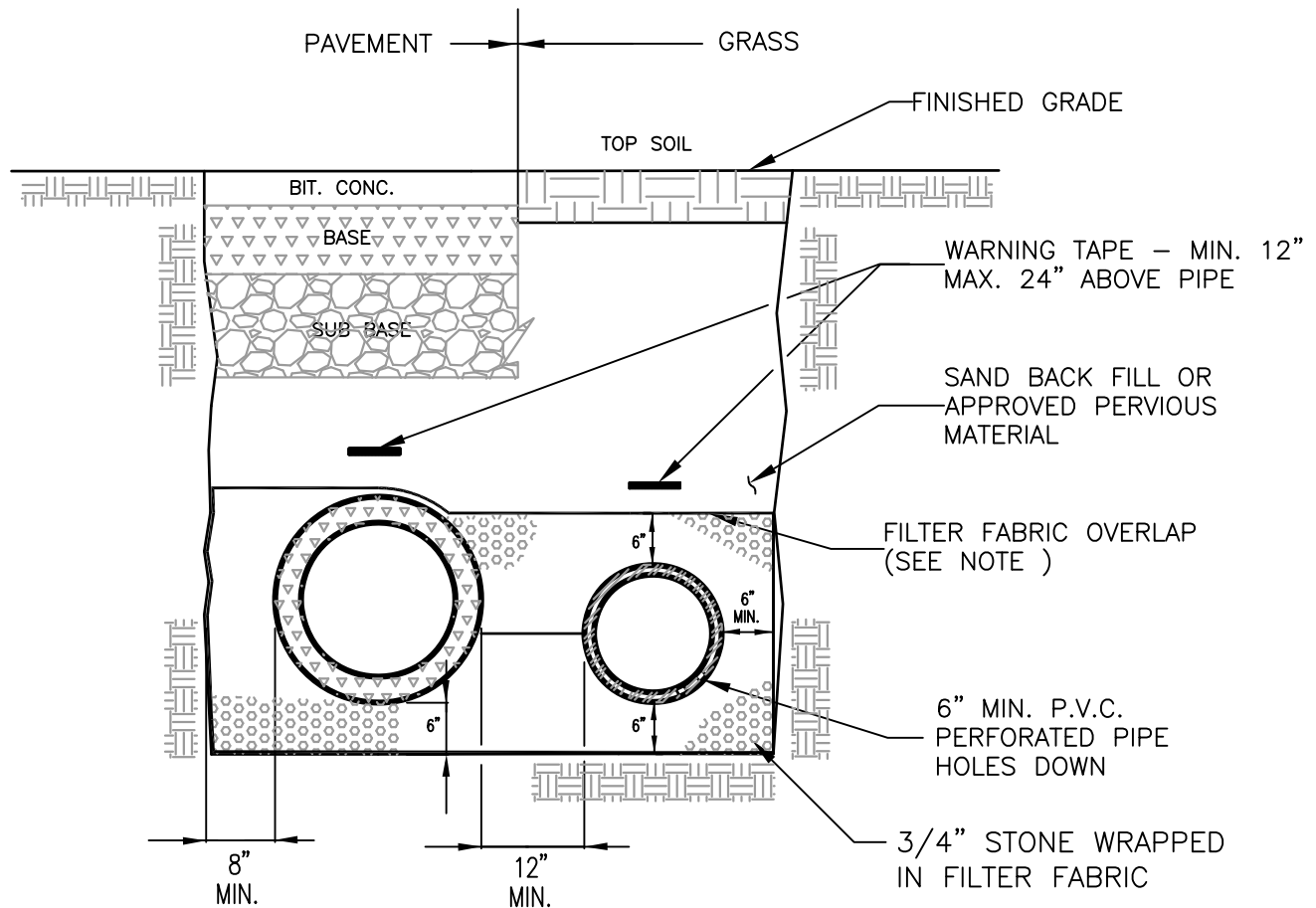
TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

UNDERDRAIN DETAIL "B"

SCALE: NONE

DATE: 5/29/2020

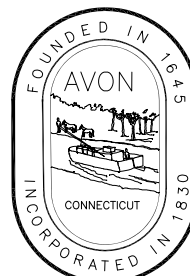


COMBINATION STORM DRAIN/ UNDERDRAIN CROSS-SECTION

NOTE:

FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC^{-1} AND AOS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

ST-19



TOWN OF AVON

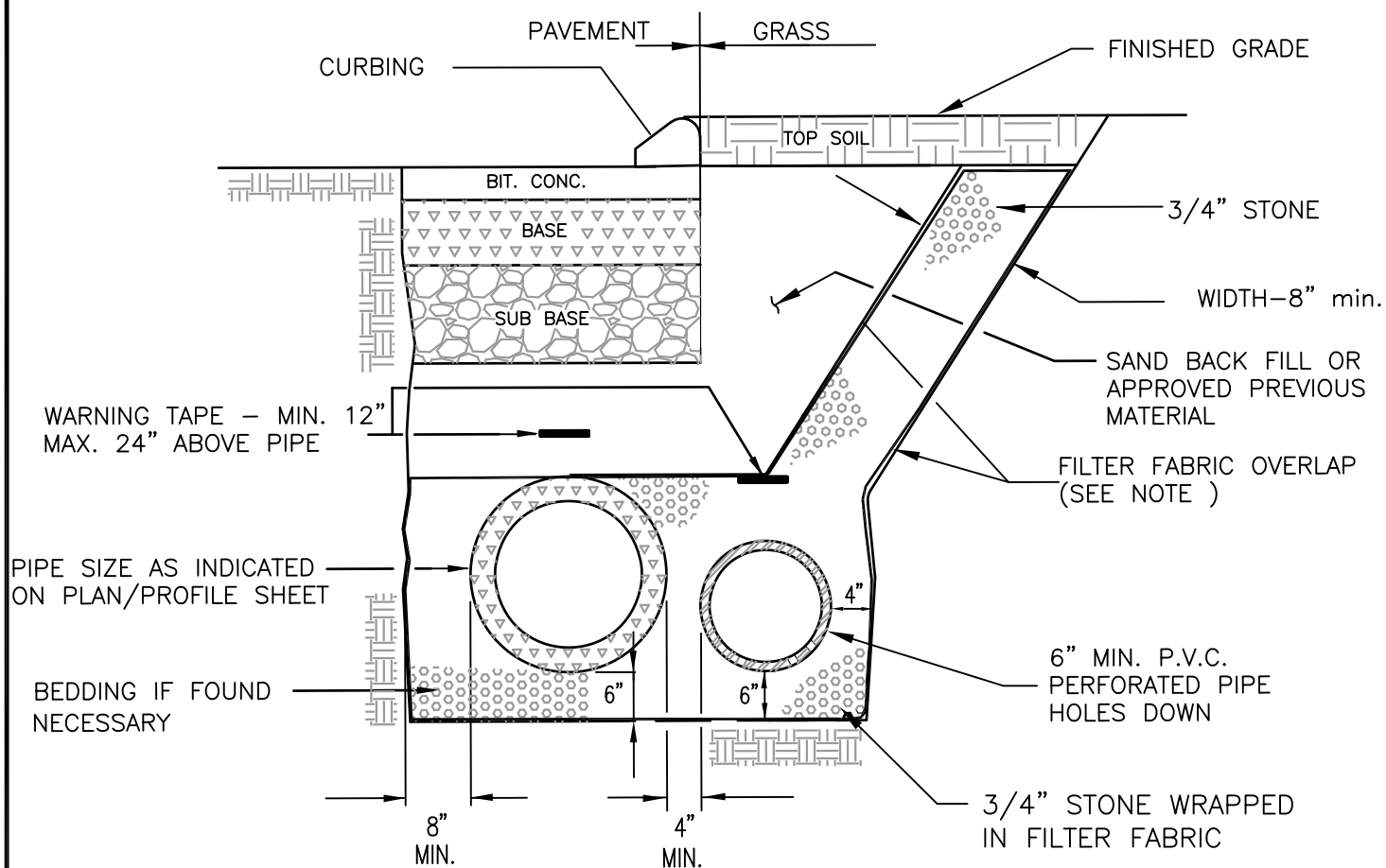
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

COMBINATION UNDERDRAIN

SCALE: NONE

DATE: 5/29/2020

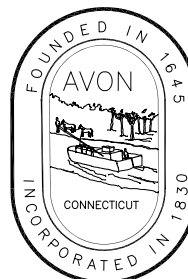


NOTE:

FILTER FABRIC SHALL BE NONWOVEN CLASS 2, WITH PERMITTIVITY OF 0.5 TO 0.1 SEC^{-1} AND AOS OF 0.43 mm TO 0.22mm AND SHALL MEET AASHTO M288-96.

COMBINATION STORM DRAIN/
UNDERDRAIN CROSS-SECTION

ST-20



TOWN OF AVON

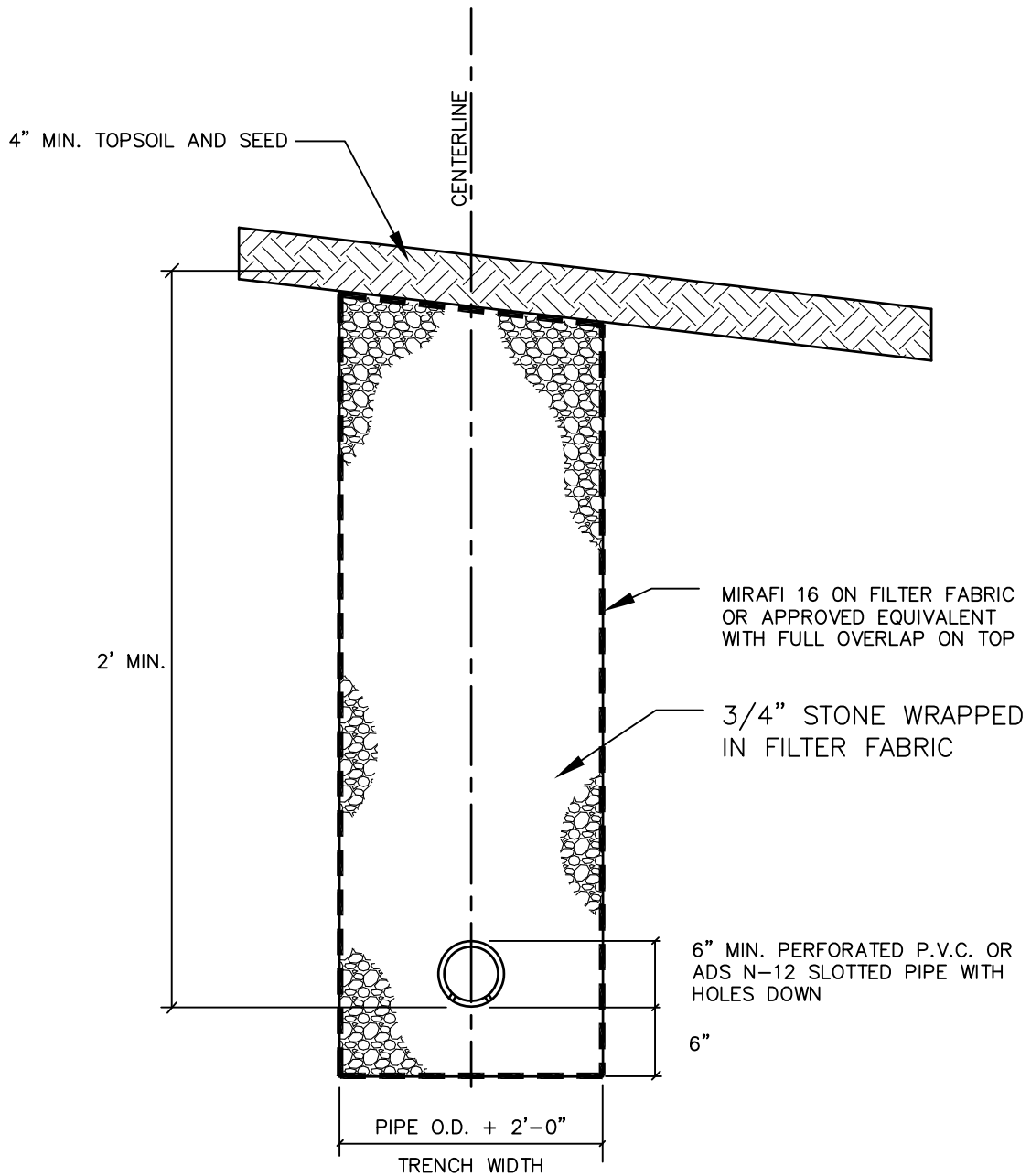
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

COMBINATION UNDERDRAIN 2

SCALE: NONE

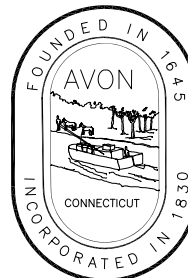
DATE: 5/29/2020



NOTE:

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

ST-21



TOWN OF AVON

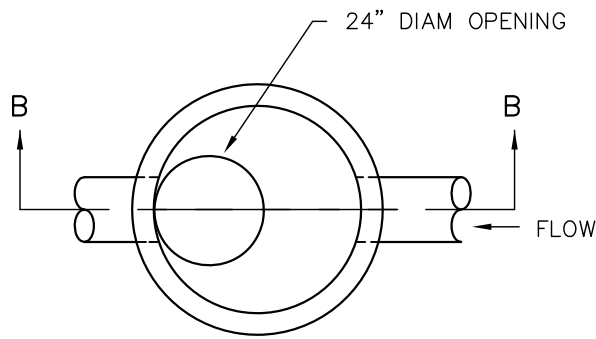
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

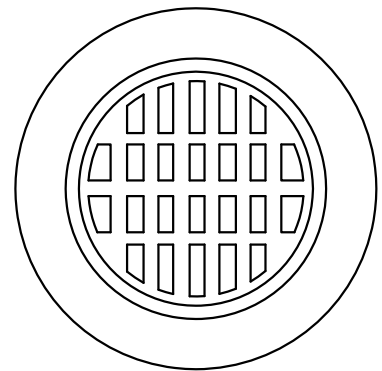
CURTAIN DRAIN

SCALE: NONE

DATE: 5/29/2020

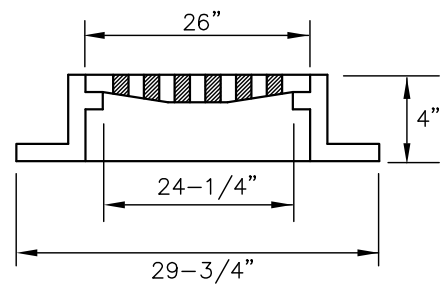
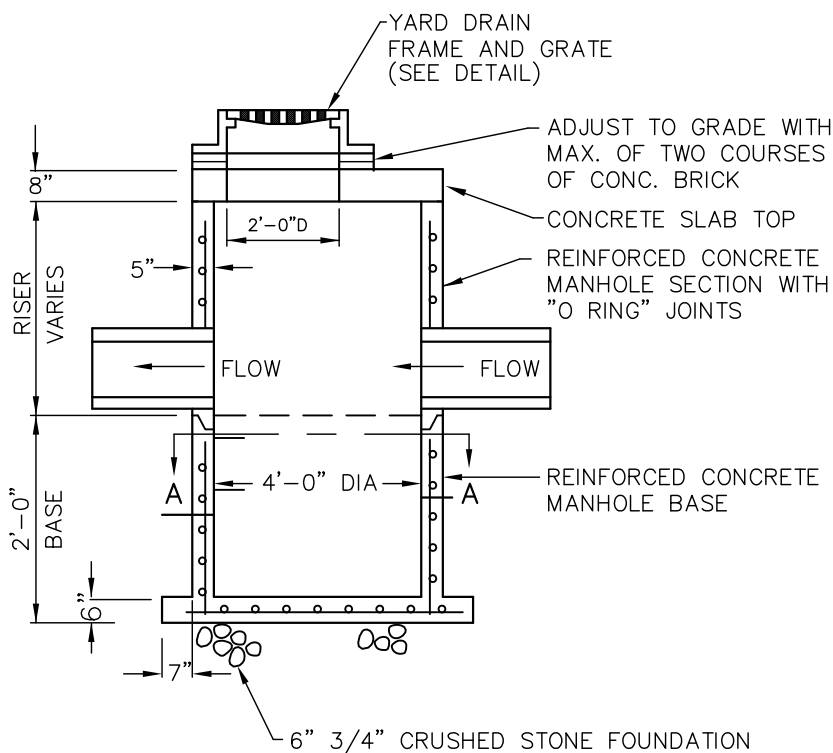


SECTION A-A



FRAME & GRATE TO BE:

Le BARON FOUNDRY MODEL LAM264
OR APPROVED EQUAL

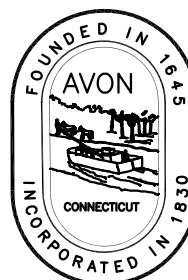


YARD DRAIN FRAME & GRATE

NOT TO SCALE

NOTES:

1. STRUCTURE SHALL MEET HS-20 LOADING CRITERIA.
2. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
3. TOPS SHALL BE MORTARED ON.
4. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

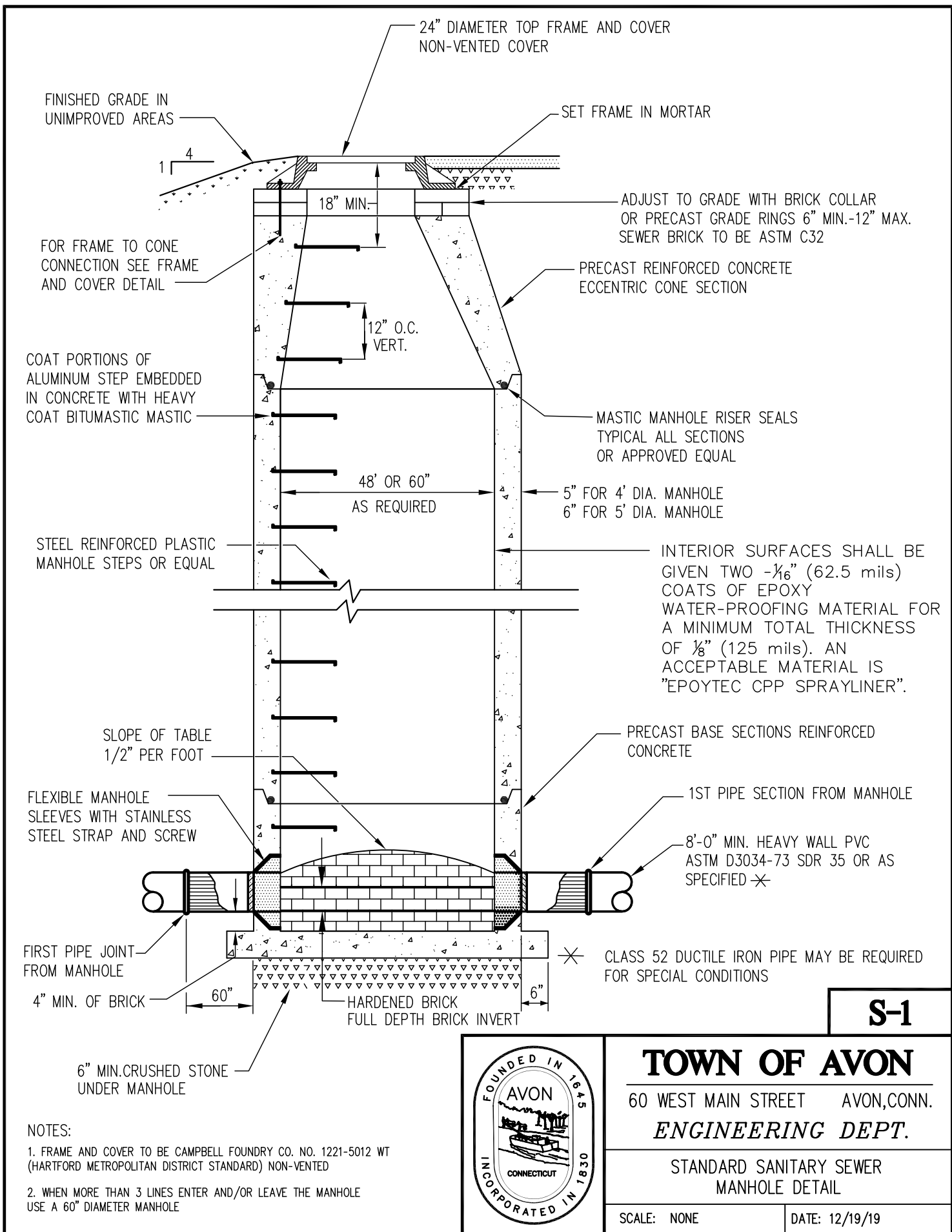
ENGINEERING DEPT.

PRECAST STRUCTURE
FOR YARD DRAIN

SCALE: NONE

DATE: 1/3/18

ST-22



S-1



TOWN OF AVON

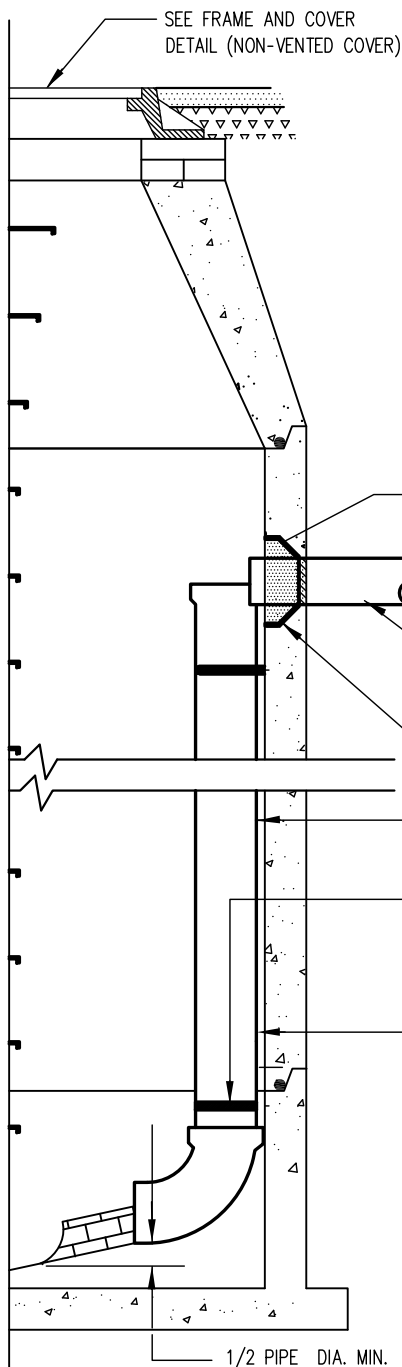
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

STANDARD SANITARY SEWER
MANHOLE DETAIL

SCALE: NONE

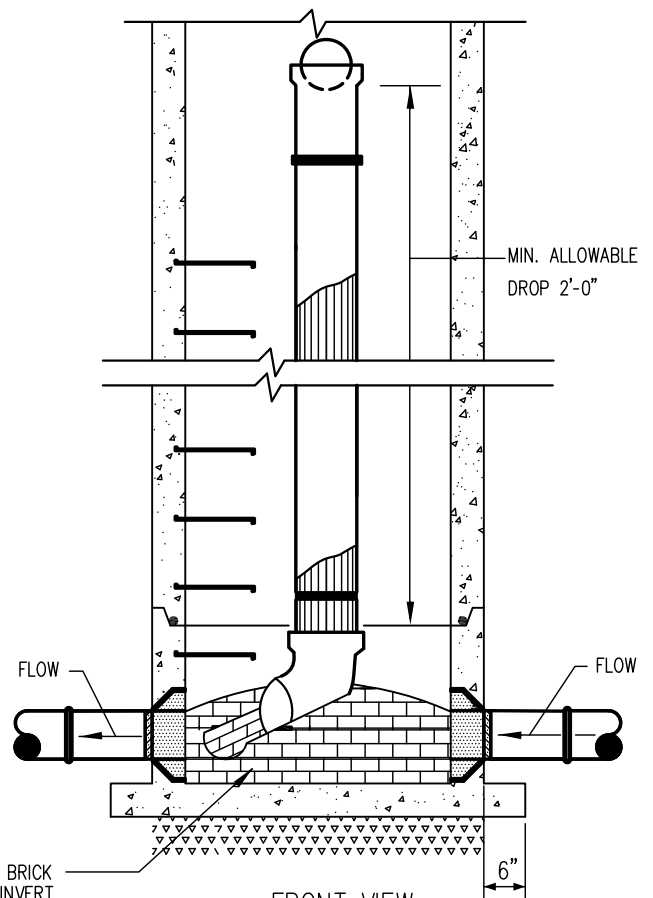
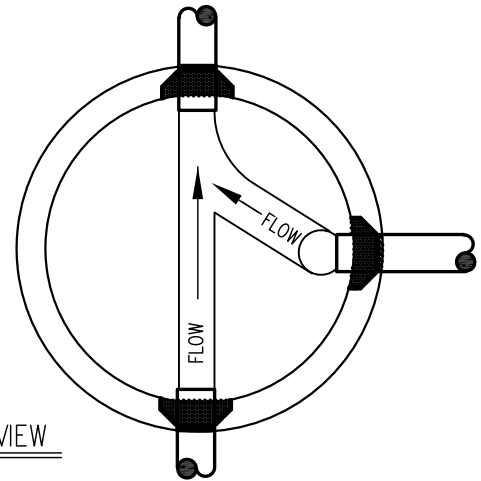
DATE: 12/19/19



SECTION VIEW

INTERIOR SURFACES SHALL BE
GIVEN TWO - 1/16" (62.5 mils)
COATS OF EPOXY
WATER-PROOFING MATERIAL FOR
A MINIMUM TOTAL THICKNESS
OF 1/8" (125 mils). AN
ACCEPTABLE MATERIAL IS
"EPOYTEC CPP SPRAYLINER".

PLAN VIEW

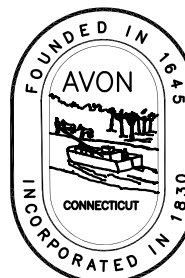


FRONT VIEW

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.
- 6) CONNECTION BETWEEN DUCTILE IRON PIPE AND PVC TO BE MADE USING A H.A.R.C.O. TYPE PVC FITTING.

S-2



TOWN OF AVON

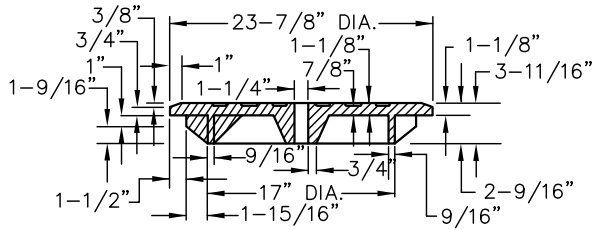
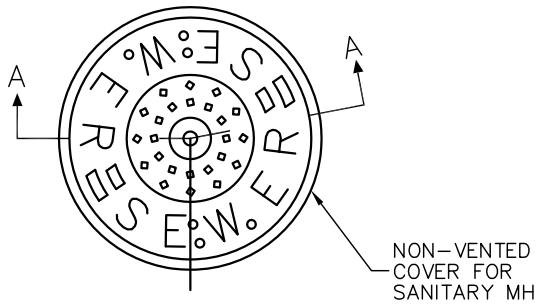
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

STANDARD DROP MANHOLE DETAIL

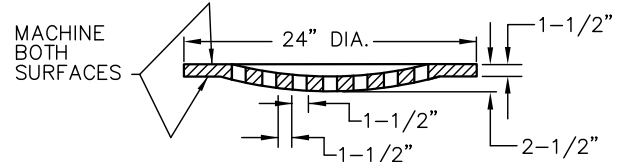
SCALE: NONE

DATE: 12/19/19



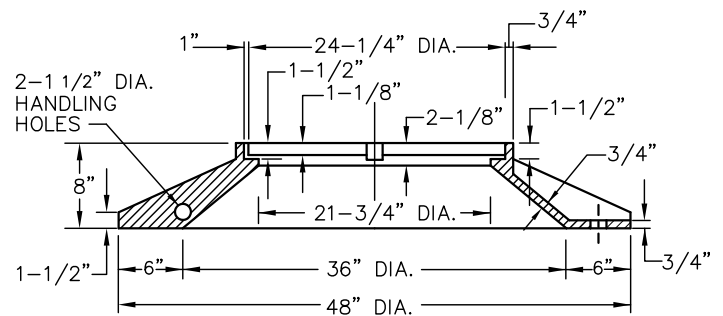
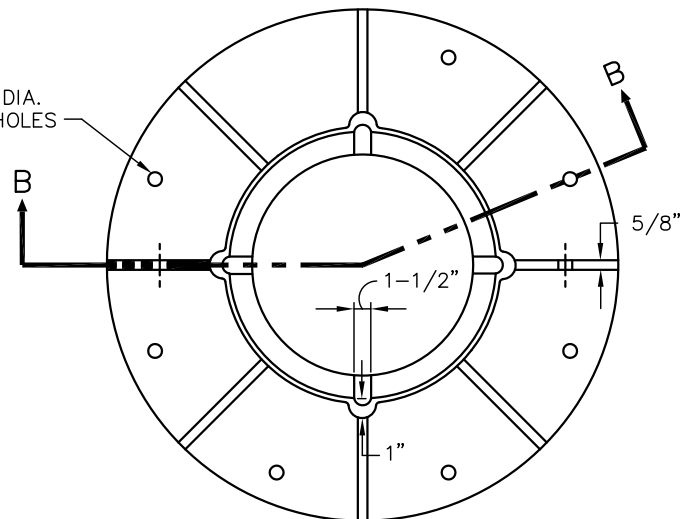
SECTION A-A

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

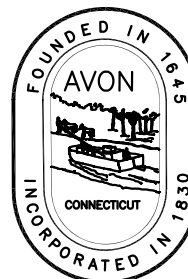


SECTION B-B

SPECIFICATIONS:

1. Pattern shall be no. 1221/5102 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

S-3



TOWN OF AVON

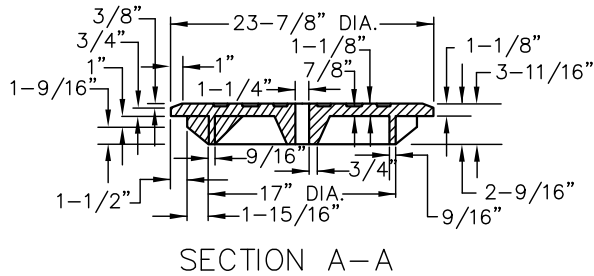
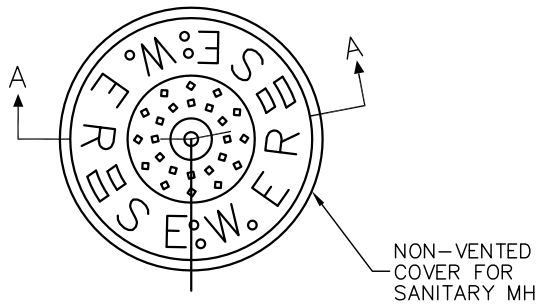
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

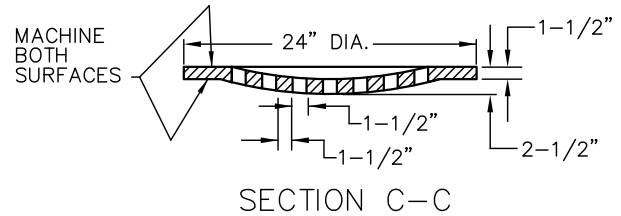
STANDARD MANHOLE FRAME & COVER

SCALE: NONE

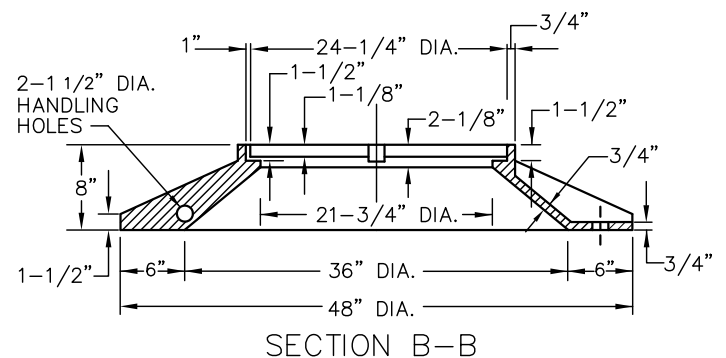
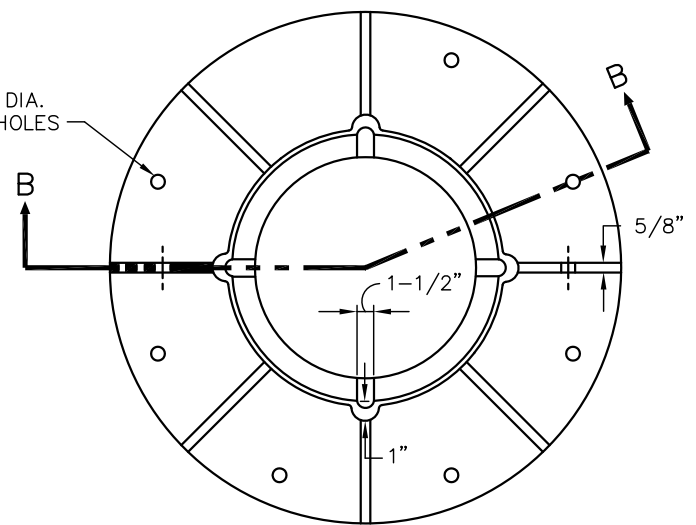
DATE: 1/3/18



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.



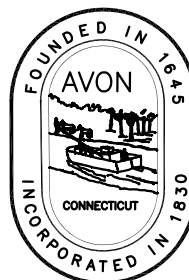
8-1 1/2" DIA.
BONDING HOLES



SPECIFICATIONS:

1. Pattern shall be no. 1221/5102 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

S-4



TOWN OF AVON

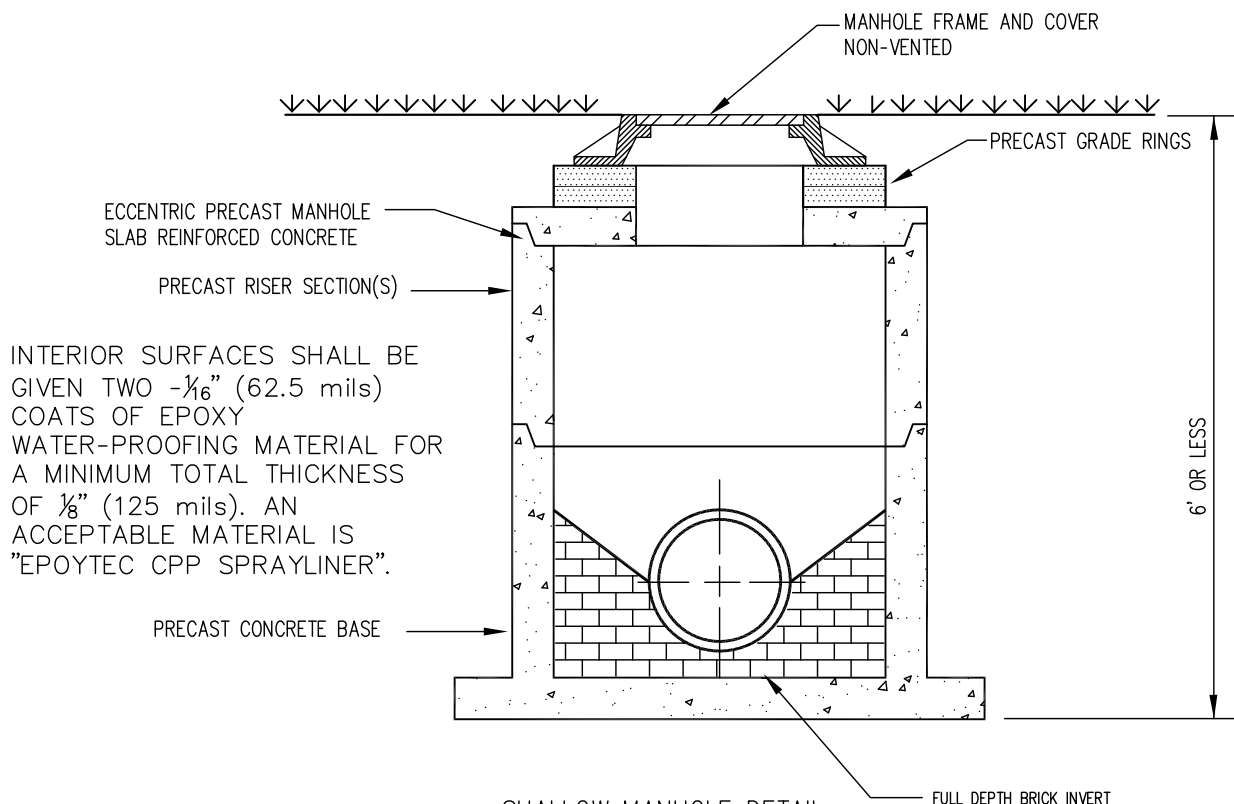
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

STANDARD WATERTIGHT
MANHOLE FRAME & COVER

SCALE: NONE

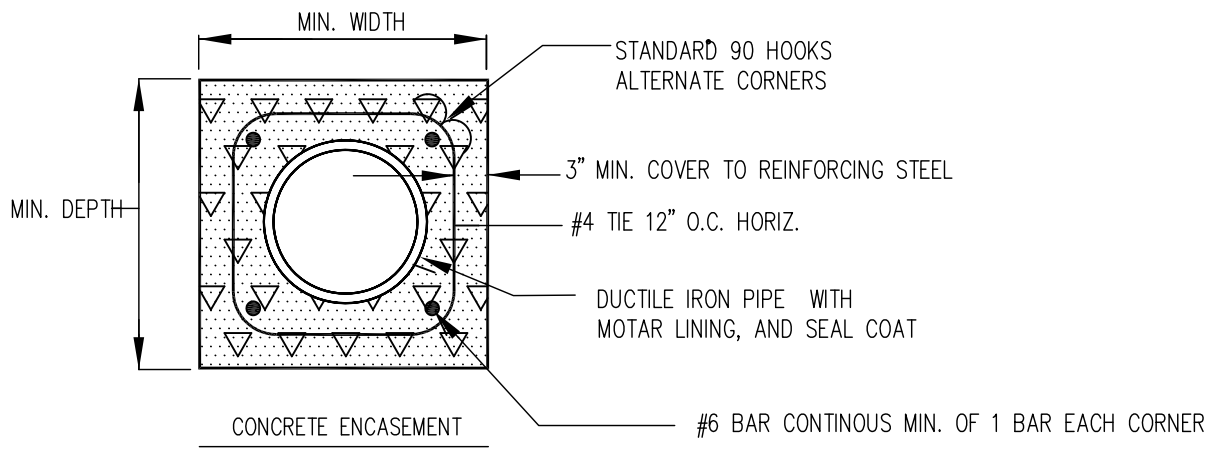
DATE: 1/3/18



SHALLOW MANHOLE DETAIL

NOTES

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



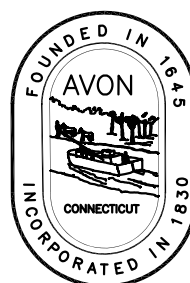
CONCRETE ENCASEMENT TABLE

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

S-5

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



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

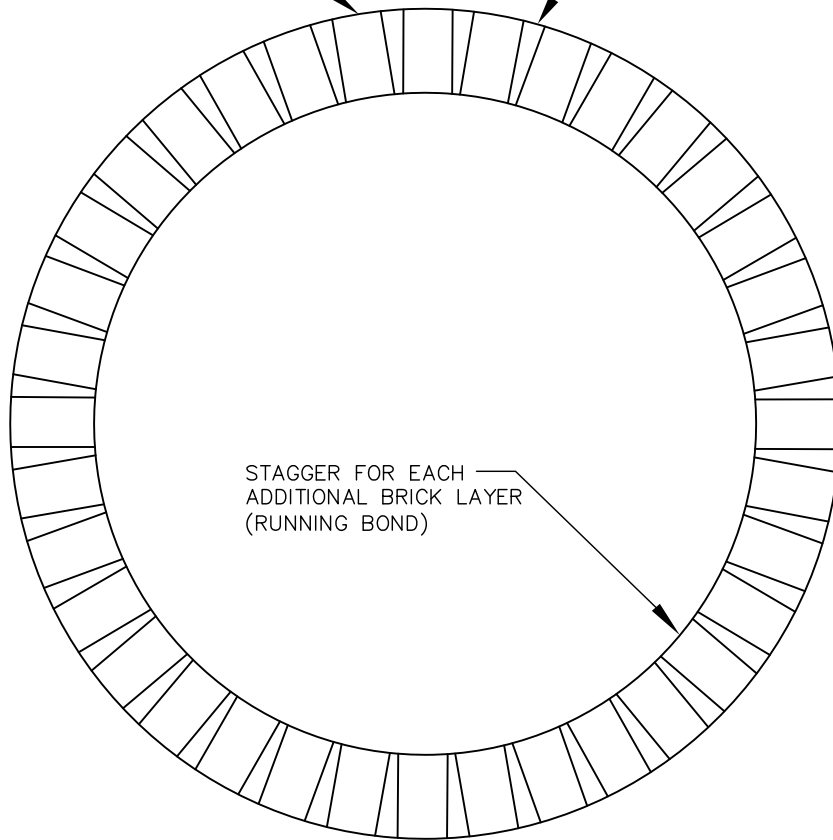
SHALLOW MANHOLE CONSTRUCTION
CONCRETE ENCASEMENT

SCALE: NONE

DATE: 12/19/19

FULL BRICKS WITH MORTARED
JOINTS AROUND EDGE LAID FLAT

FULL PARGE MORTAR OVER
BRICKS AND PRECAST ON
OUTSIDE ONLY



STAGGER FOR EACH
ADDITIONAL BRICK LAYER
(RUNNING BOND)

NOTE: PRECAST CONCRETE GRADE
RINGS MAY BE SUBSTITUTED FOR BRICK

S-6



TOWN OF AVON

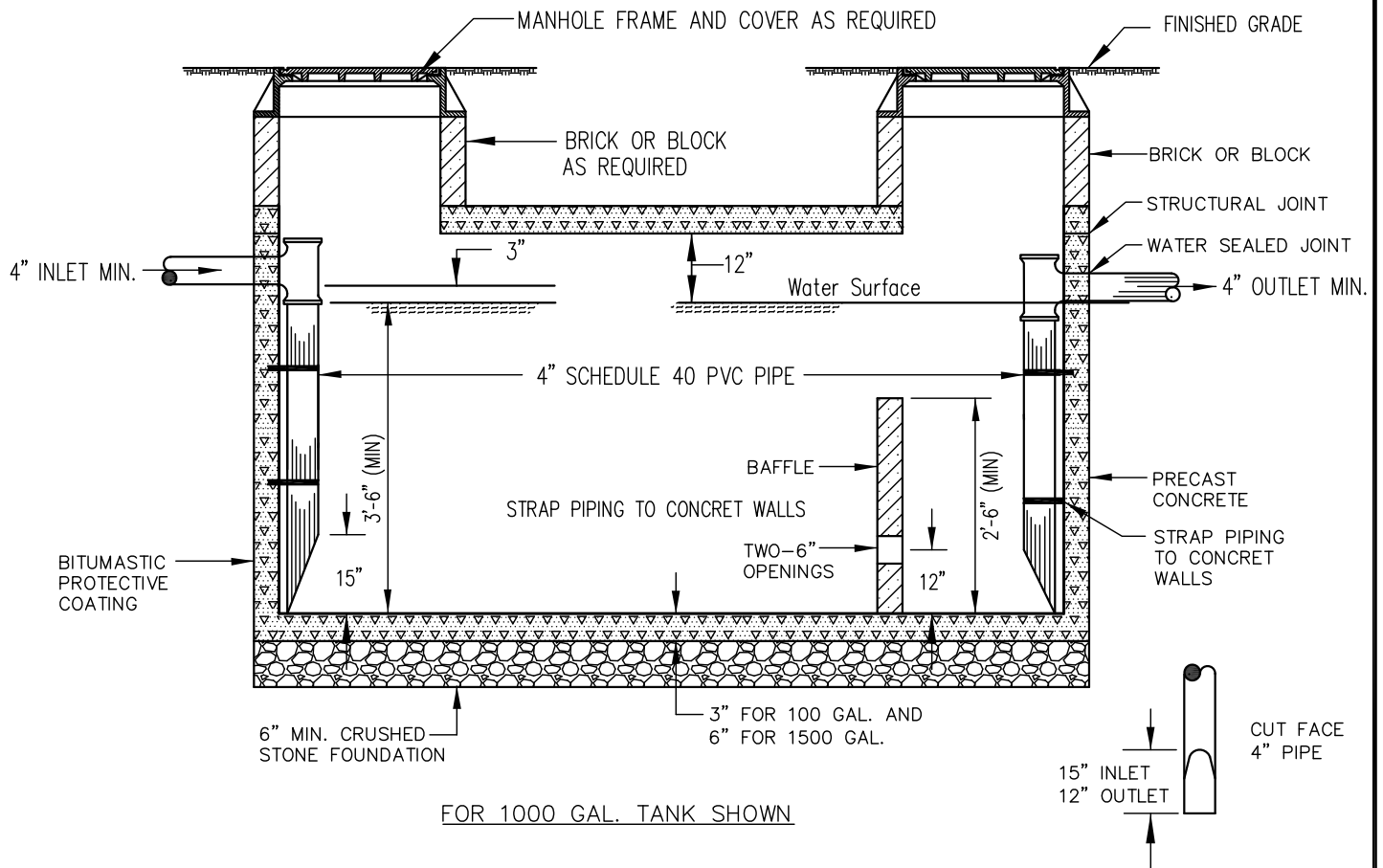
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

BRICK LEVELING COURSE FOR
NEW MANHOLES

SCALE: NONE

DATE: 1/3/18

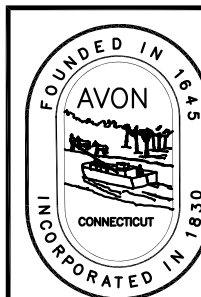


OUTSIDE GREASE SEPARATOR SPECIFICATIONS:

1. TANK SHALL HAVE A MINIMUM CAPACITY SUFFICIENT TO PRE-TREAT THE MAXIMUM DAILY FLOW PROPOSED AND NO LESS THAN 1000 GALLONS. TANK SHALL BE CONSTRUCTED OF PRECAST CONCRETE.
2. EXTERIOR OF THE TANK AND EXTENSION TO GRADE MANHOLES SHALL BE COATED WITH A WATERPROOF FOUNDATION SEALANT. THIS INCLUDED THE TANK EXTERIORS TOP AND BOTTOM.
3. STRUCTURAL SEAM OF THE TANK SHALL BE FILLED IN WITH NON-SHRINKING GROUT OR WATER PLUG AND COATED WITH A WATERPROOF SEALANT.
4. VOIDS BETWEEN INLET AND OUTLET PIPING OF THE TANK SHALL BE FILLED WITH NON-SHRINKING GROUT AND COATED WITH A WATERPROOF SEALANT.
5. THE TANK SHALL HAVE EXTENSIONS TO GRADE ABOVE THE INLET AND OUTLET PIPING. THE EXTENSION SHALL HAVE FRAMES AND MANHOLE COVERS.
6. THE OUTLET PIPING SHALL UTILIZE A TEE-PIPE ON THE INTERIOR OF THE TANK. THE TEE-PIPE SHALL BE EQUIPPED WITH A STAND PIPE RISER EXTENDING UP THE EXTENSION TO GRADE BUT NO CLOSER THAN EIGHT (8) INCHES FROM THE MANHOLE COVER. THE TEE-PIPE SHALL EXTEND SIX (6) TO TWELVE (12) INCHES FROM THE BOTTOM OF THE TANK.
7. THE HORIZONTAL STRUCTURAL SEAM OF THE TANK SHALL BE LOCATED ABOVE THE STATIC LIQUID LEVEL OF THE TANK.
8. THE INCOMING PIPE SHALL NOT INCLUDE ANY SOURCES OF DOMESTIC WASTEWATER OR STORMWATER. THE OUTLET PIPE SHALL BE CONNECTED TO THE SANITARY SEWER. THE OUTLET PIPE SHALL BE AT LEAST THE SIZE OF THE INLET PIPE OR GREATER AND AT A MINIMUM SHOULD BE 4.0 INCHES IN DIAMETER.
9. IF HEAVY PIPING, SUCH AS CAST IRON IS USED, ALL PIPING MUST BE STRUCTURALLY SECURED.

S-7

DESIGN LOAD HS20-44
CONCRETE MIN. 5000 PSI @ 28 DAYS
STEEL REINFORCEMENT - ASTM A-615-79 GR. 60



TOWN OF AVON

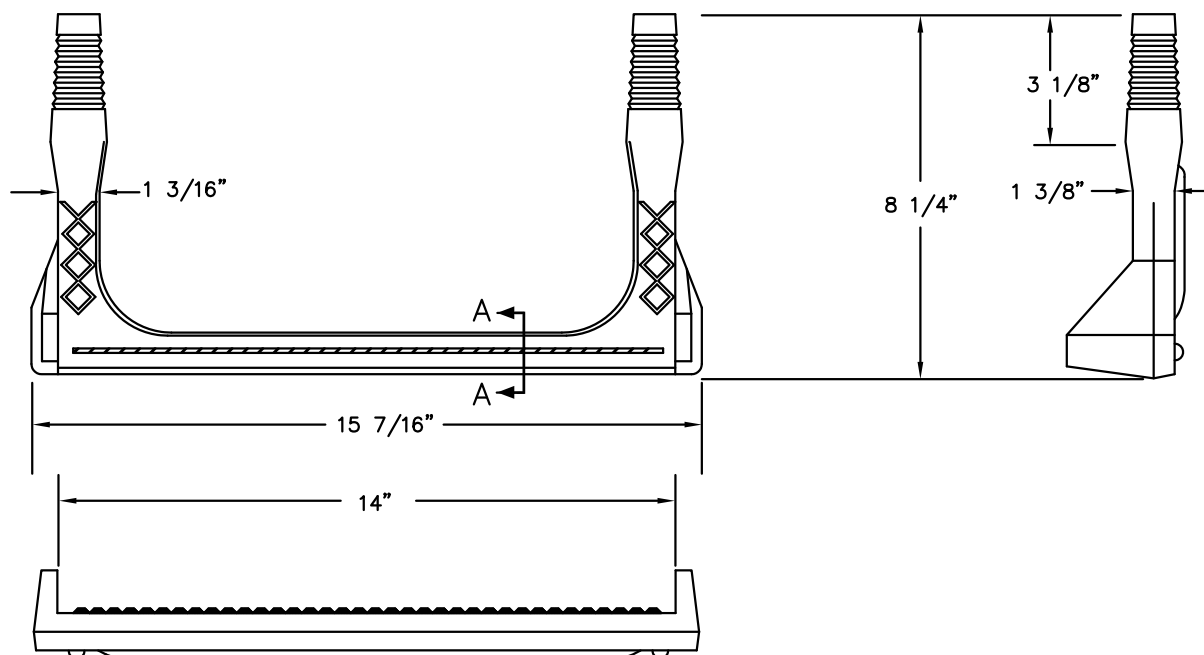
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

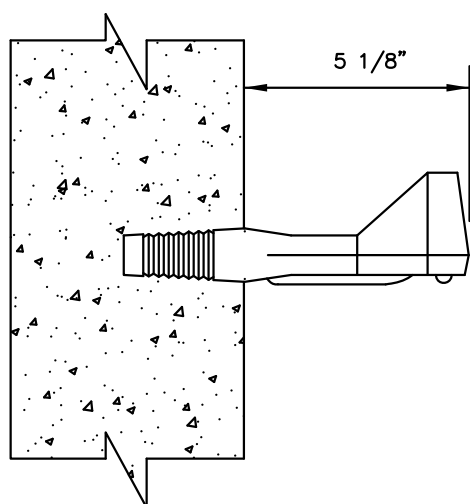
OUTSIDE GREASE SEPARATOR FOR
KITCHEN WASTE LINES

SCALE: NONE

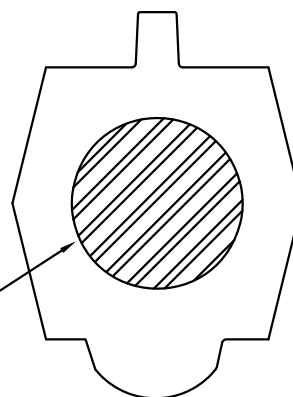
DATE: 1/3/18



Copolymer Polypropylene Plastic



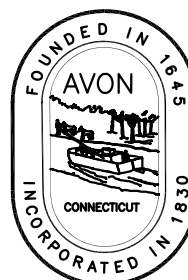
1/2" GRADE 60 STEEL
REINFORCEMENT



SECTION A-A

PLASTIC MANHOLE STEP
(FOR INSTALLATION IN PRE-CAST CONCRETE)

S-8



TOWN OF AVON

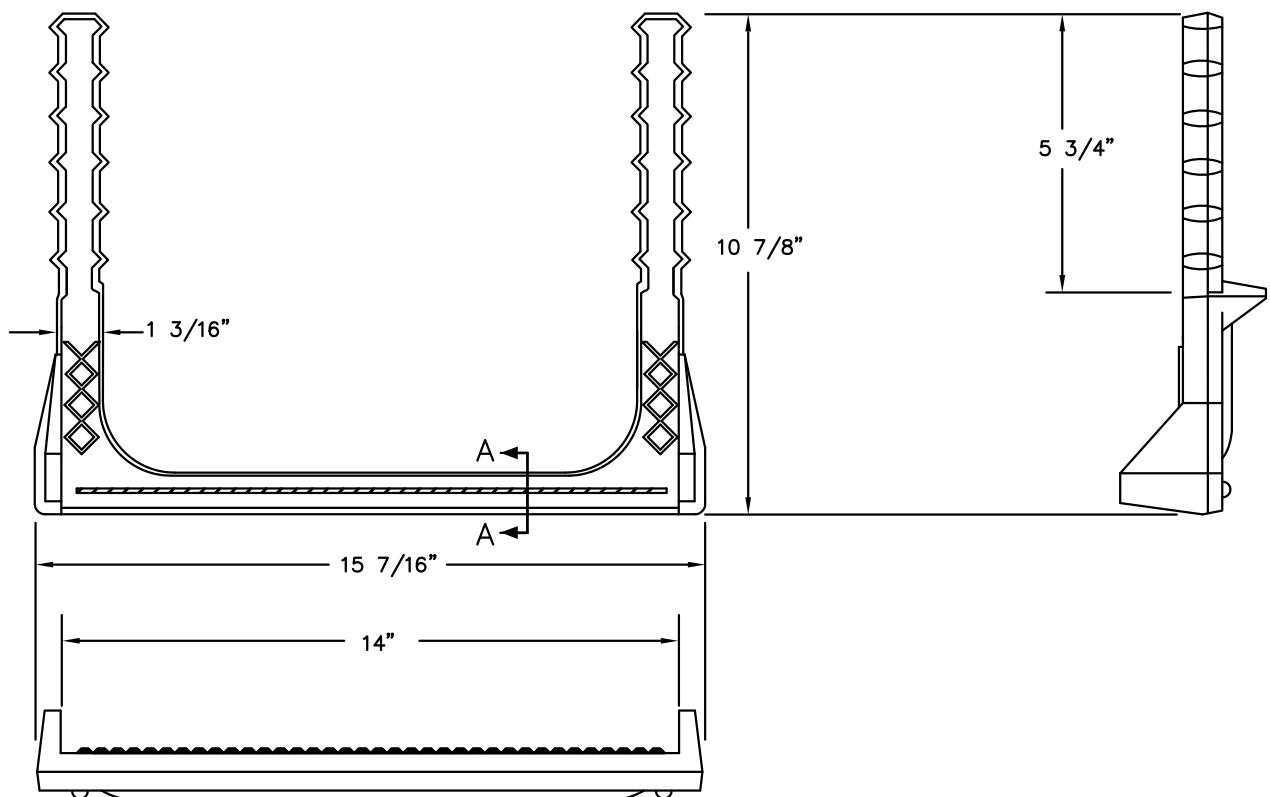
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

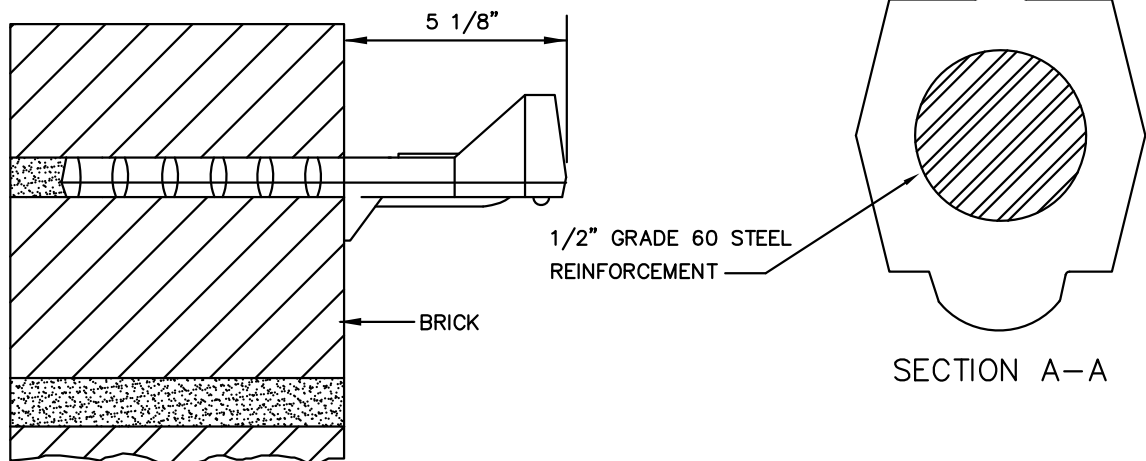
PLASTIC MANHOLE STEP
(FOR INSTALLATION IN PRE-CAST CONCRETE)

SCALE: NONE

DATE: 1/3/18



Copolymer Polypropylene Plastic



PLASTIC MANHOLE STEP
(FOR INSTALLATION IN BRICK OR CONCRETE BLOCK)

S-9



TOWN OF AVON

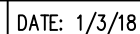
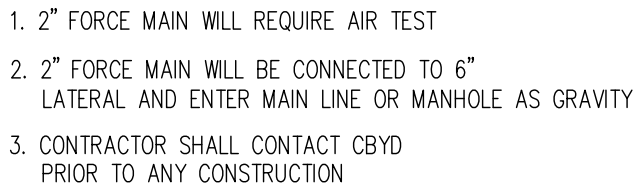
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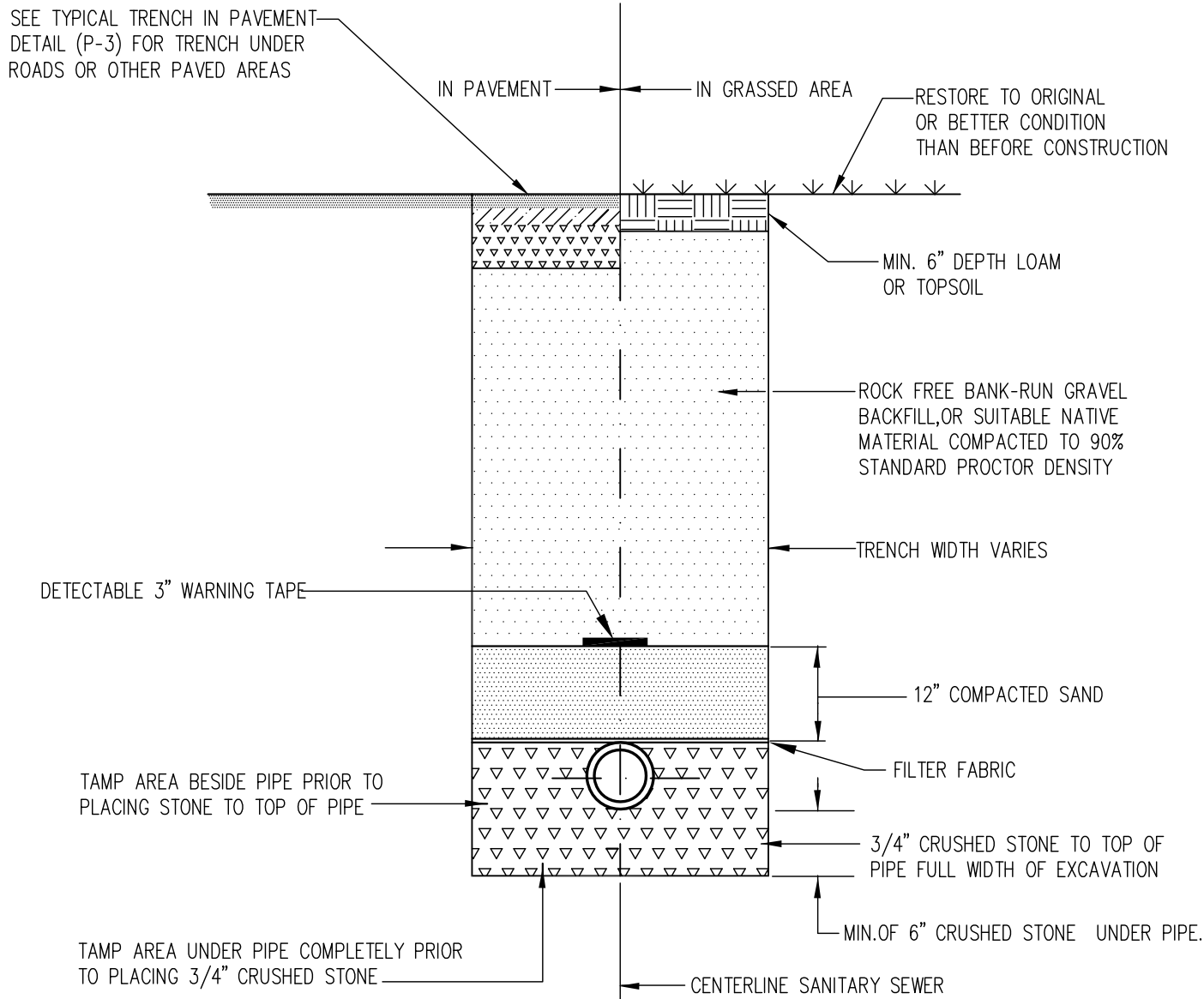
ENGINEERING DEPT.

PLASTIC MANHOLE STEP
(FOR INSTALLATION IN BRICK OR CONCRETE BLOCK)

SCALE: NONE

DATE: 1/3/18



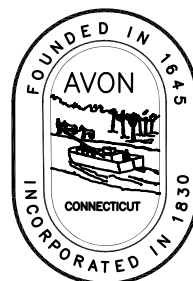


TYPICAL TRENCH & BEDDING DETAIL

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.

S-11



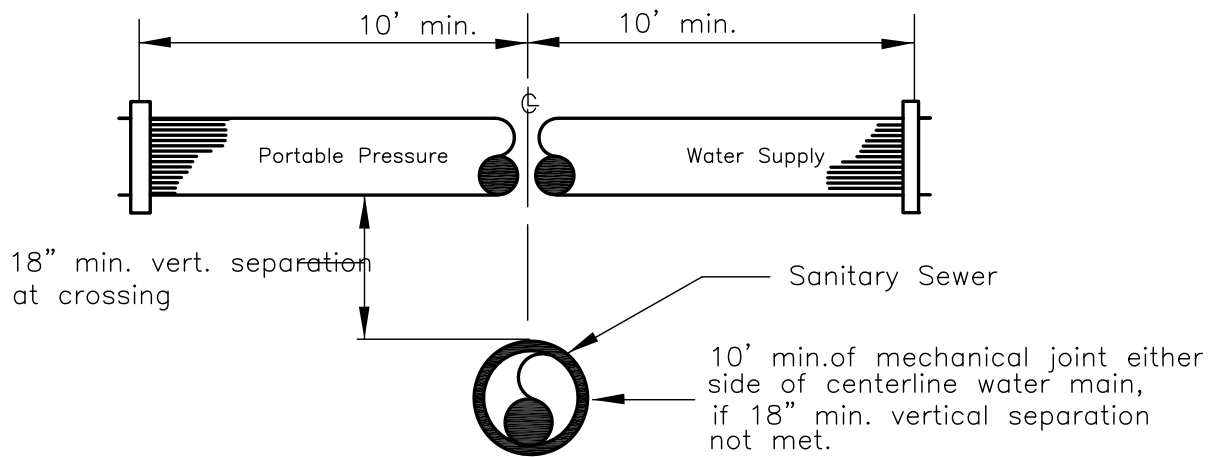
TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

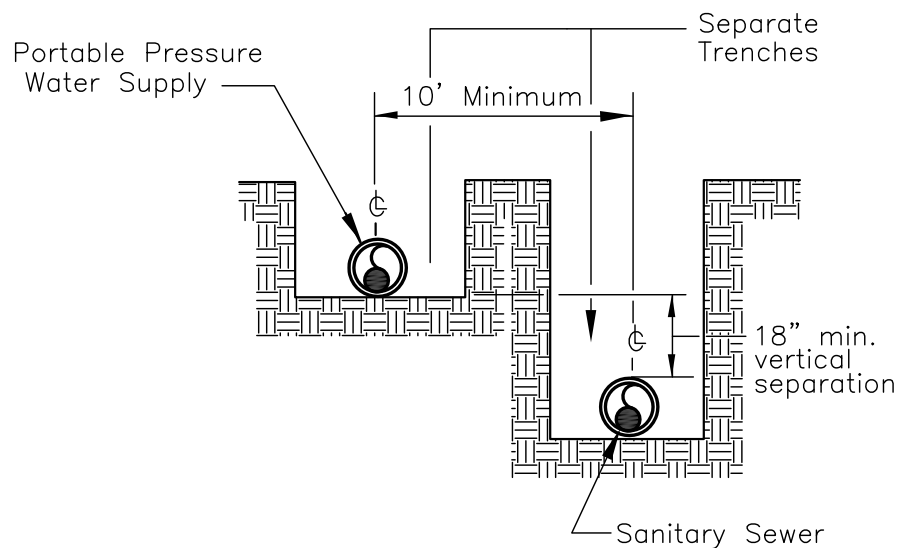
SANITARY SEWER
TYPICAL TRENCH & BEDDING DETAIL

SCALE: NONE

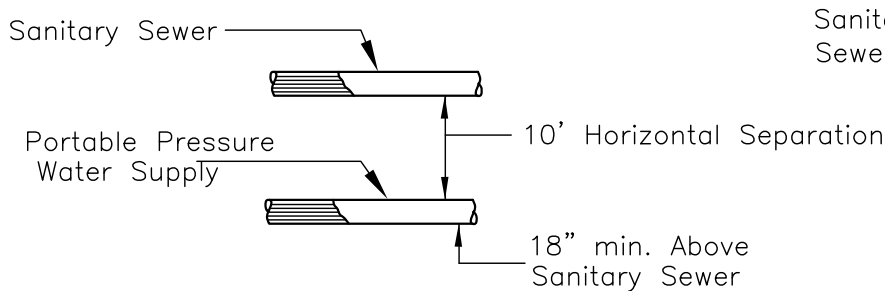
DATE: 1/3/18



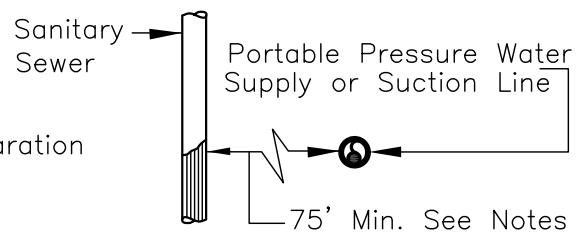
MINIMUM VERTICAL SEPARATION



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.



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

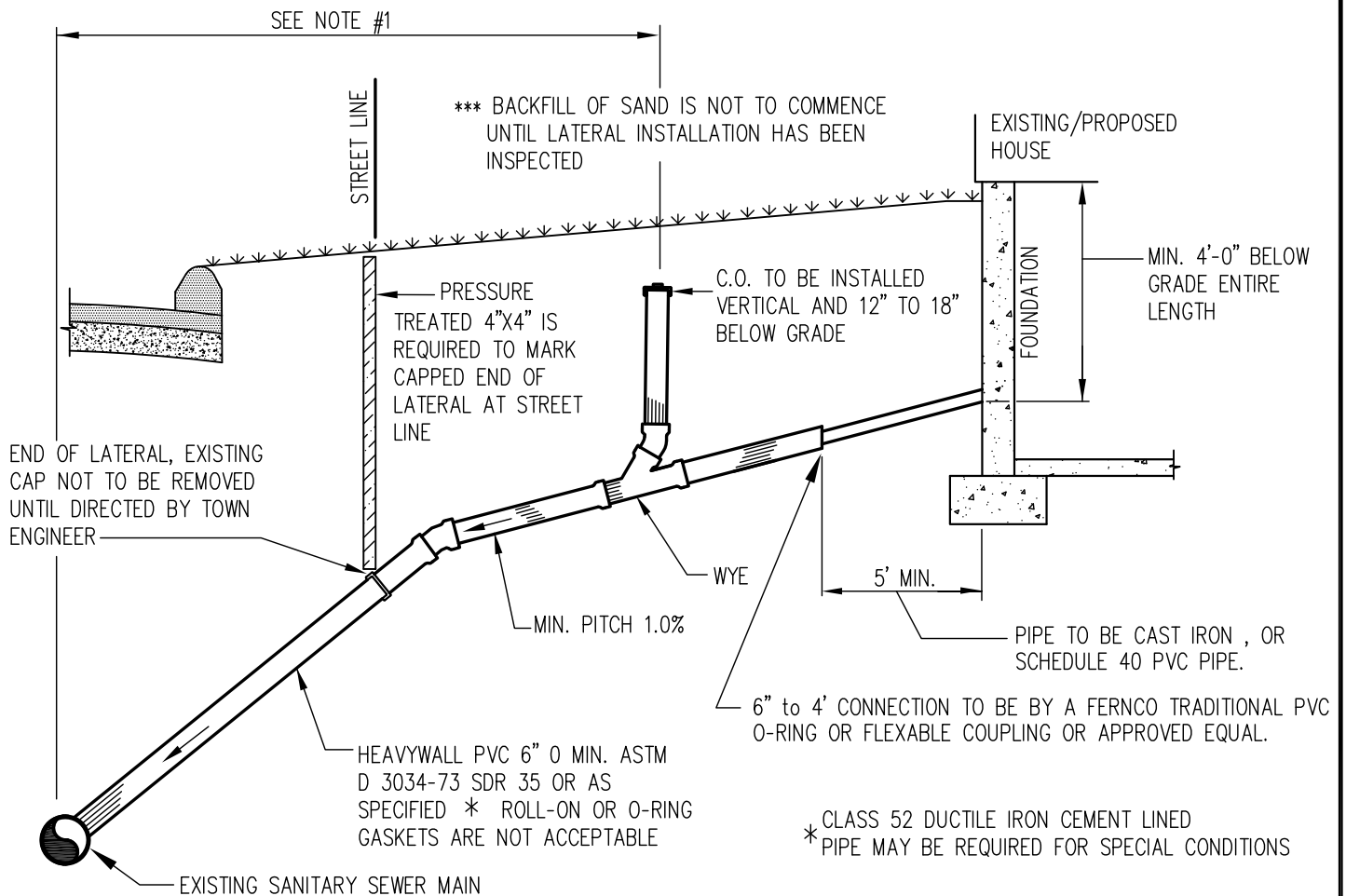
ENGINEERING DEPT.

SEWER LINE LOCATION
ADJACENT TO WATER LINES

SCALE: NONE

DATE: 1/3/18

S-12



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.

S-13



TOWN OF AVON

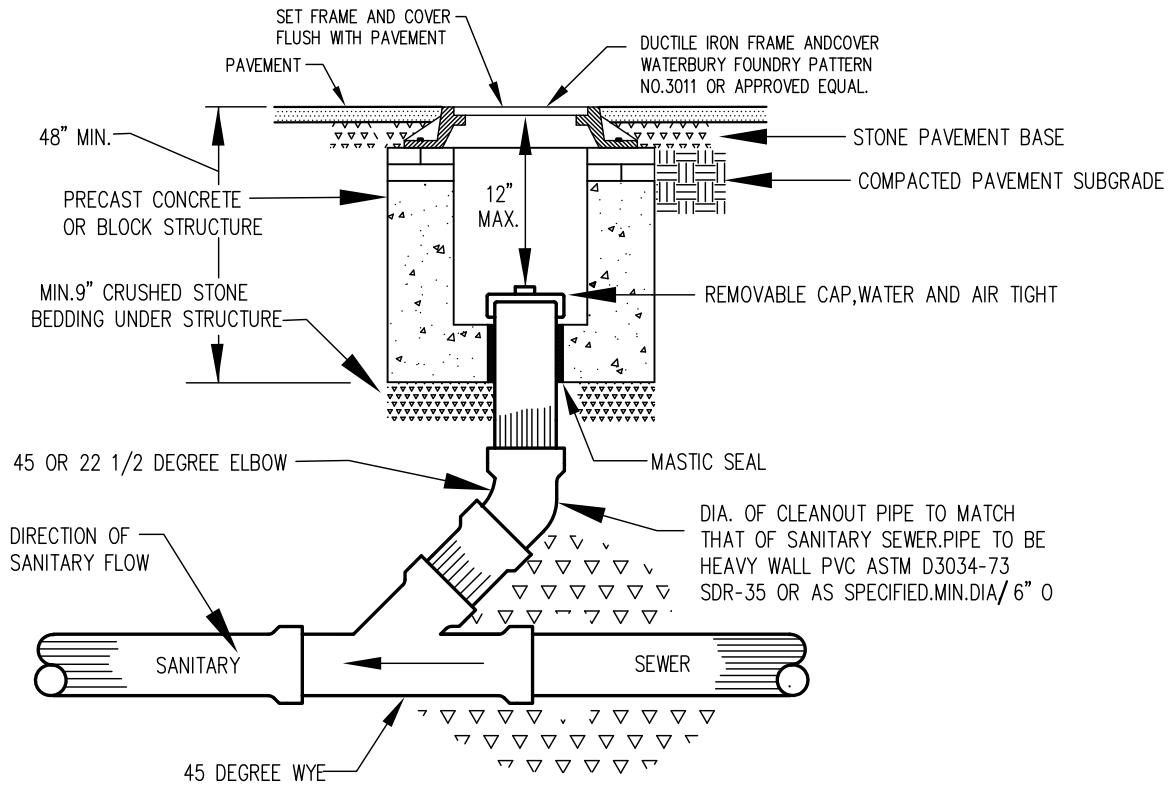
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

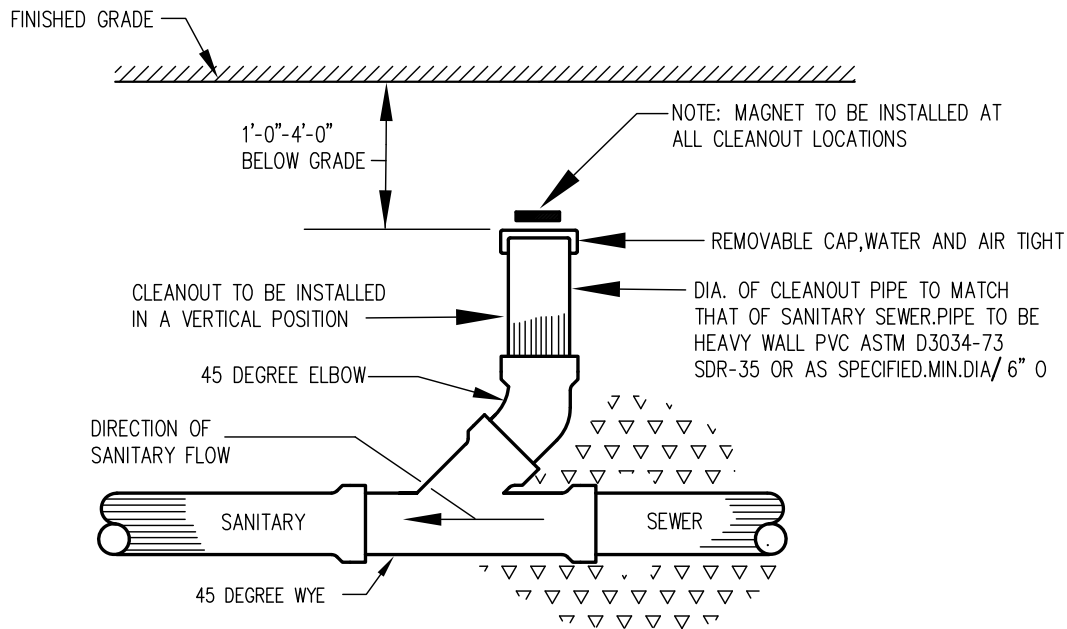
TYPICAL HOUSE LATERAL

SCALE: NONE

DATE: 1/3/18



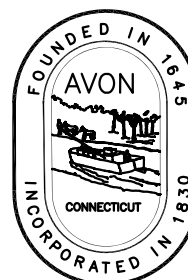
HOUSE CONNECTION CLEAN-OUT-- PAVED AREAS



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.

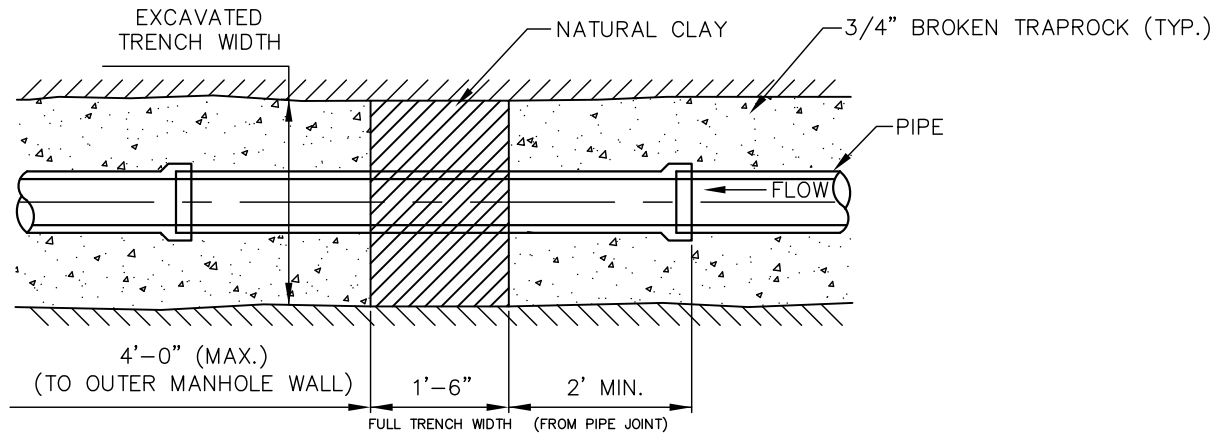
ENGINEERING DEPT.

TYPICAL CLEANOUT

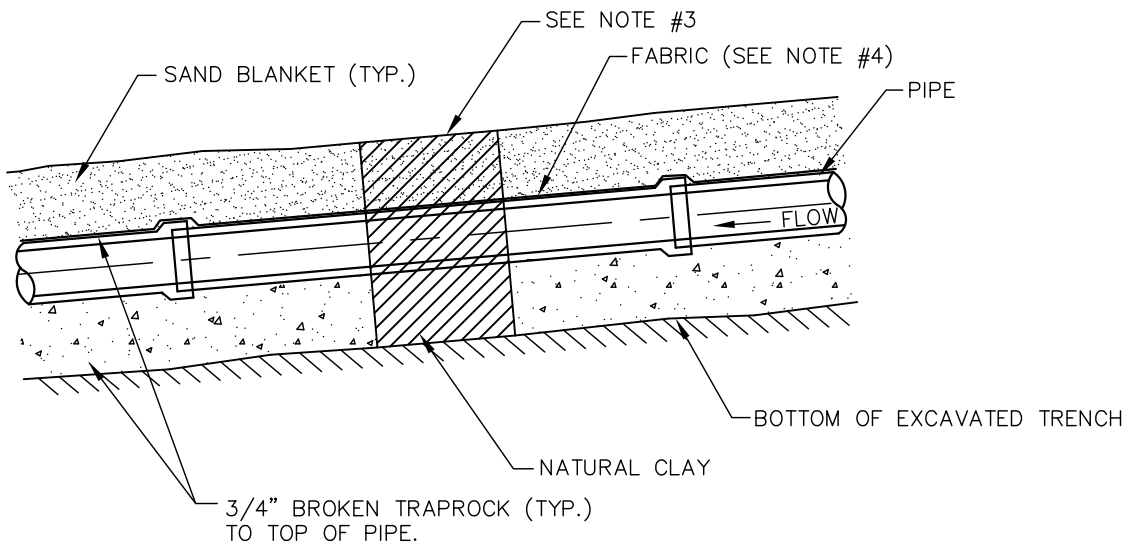
SCALE: NONE

DATE: 1/3/18

S-14



PLAN VIEW

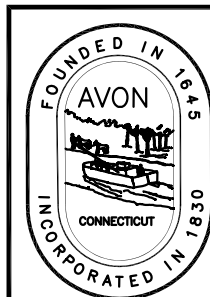


PROFILE VIEW

NOTES:

1. CLAY DRAINAGE STOPS TO BE LOCATED ON UPSTREAM SIDE OF MANHOLES, AND SPACED A MAXIMUM OF 100' +/- APART, OR AS DIRECTED BY THE TOWN ENGINEER.
2. WIDTH OF STOP SHALL EXTEND TO UNDISTURBED MATERIAL ON BOTH SIDES OF TRENCH.
3. WHERE ROCK IS ENCOUNTERED, HEIGHT OF STOP SHALL EXTEND TO THE TOP OF ROCK.
4. FILTER FABRIC SHALL BE NONWOVEN AND SHALL MEET AASHTO M288-00, CLASS 2.

S-15



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

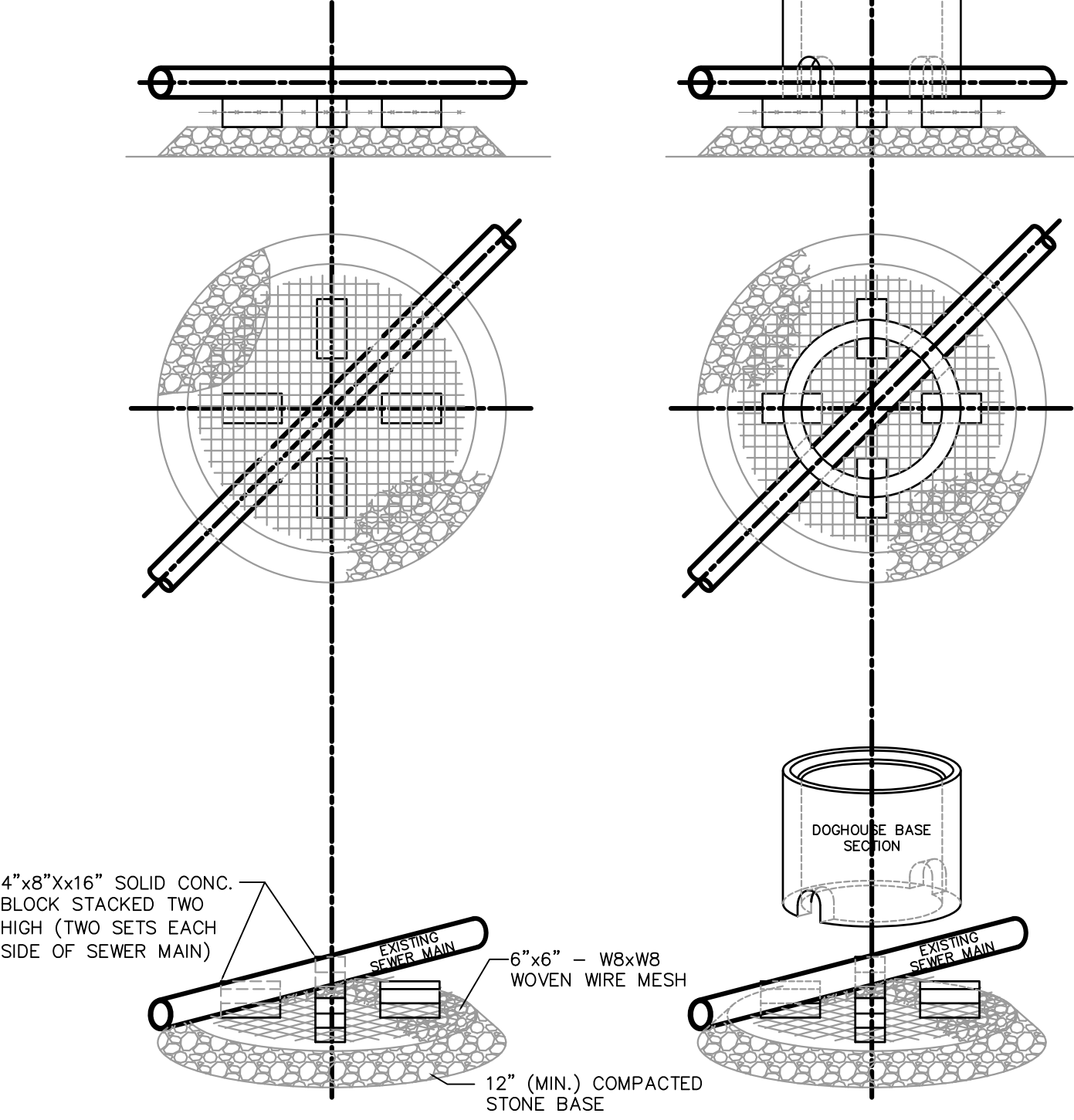
NATURAL CLAY DRAINAGE STOPS

SCALE: NONE

DATE: 1/3/18

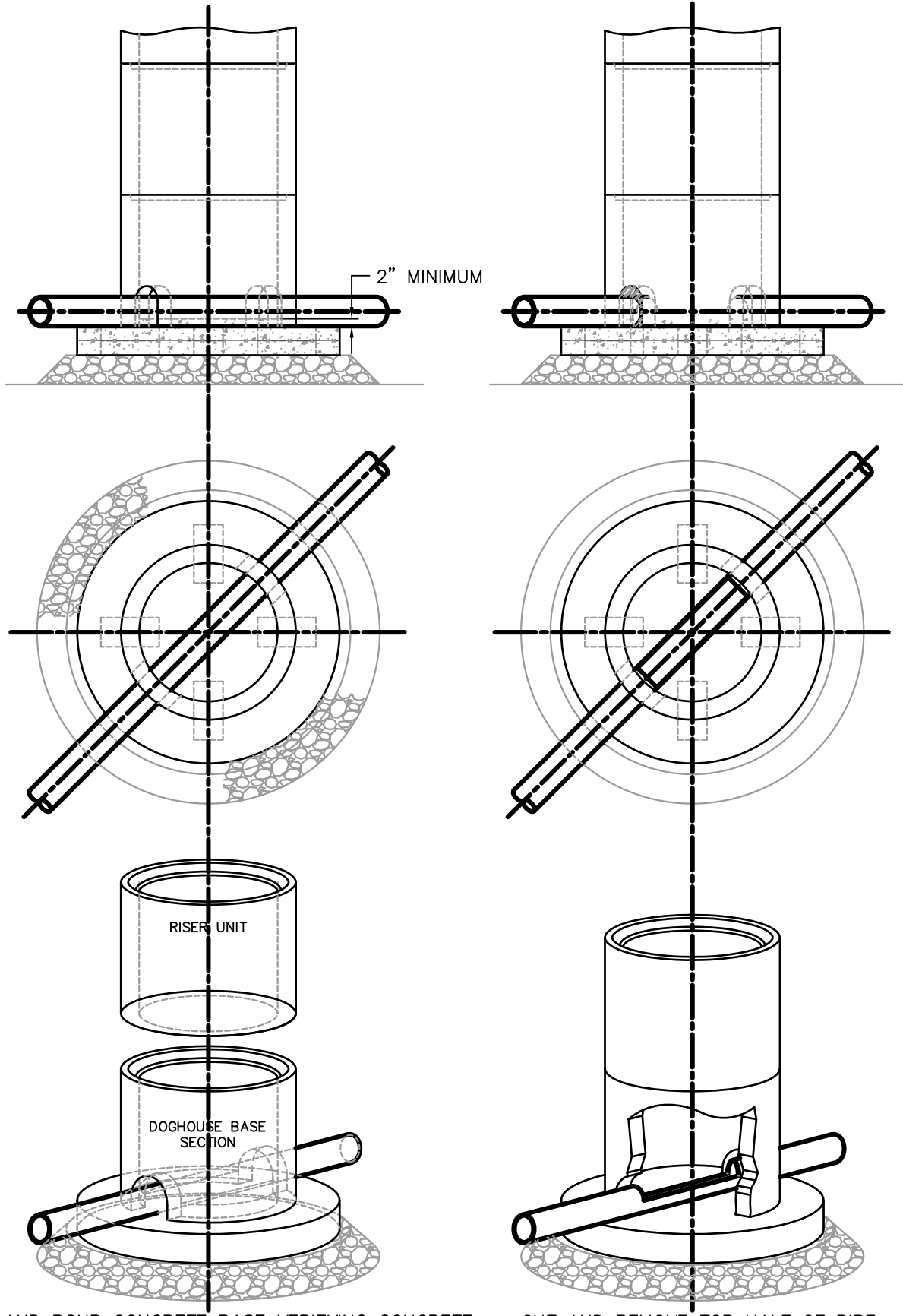
NOTES:

1. SEE AVON DETAIL S-1 FOR CONCRETE, COATINGS, AND OTHER STANDARD MANHOLE REQUIREMENTS.
2. SEE AVON DETAIL S-3 OR S-4 FOR MANHOLE FRAME AND COVER.
3. SEE AVON DETAIL S-8 FOR STEP INFORMATION.
4. SEE AVON DETAIL S-2 FOR DROP-TYPE CONNECTION INFORMATION.
5. THE TOWN OF AVON DISCOURAGES THE USE OF DOG-HOUSE TYPE MANHOLES, DUE TO THE CHALLENGES DURING CONSTRUCTION AND SEALING TO ELIMINATE GROUNDWATER INTRUSION, HOWEVER THEY MAY BE ALLOWED IN UNIQUE CIRCUMSTANCES TO ELIMINATE CUTTING MAINLINE SEWER.



PREPARE COMPACTED CRUSHED STONE BASE
SET STACKED CONCRETE BLOCKS
SET REINFORCING WOVEN WIRE MESH

SET DOGHOUSE BASE ON STACKED CONCRETE BLOCKS; VERIFY LEVEL AND GAP AROUND PIPE



FORM AND POUR CONCRETE BASE VERIFYING CONCRETE FLOWS UNDER DOGHOUSE BASE AND INSIDE BASE 2" MIN.; SET RISER SECTIONS AFTER BASE HAS CURED; FILL GAP BETWEEN PIPE AND DOGHOUSE WITH NON-SHRINKING GROUT; AFTER GROUT HAS CURED, SEAL ENTIRE AREA AROUND PIPE AT EACH END OUTSIDE OF MANHOLE WITH HYDROPHILIC FOAM SEALANT

CUT AND REMOVE TOP HALF OF PIPE AFTER SETTING ALL SECTIONS, SEALING MANHOLE, AND ACHIEVING ACCEPTED VACUUM TESTING. COMPLETE SLOPED TABLE TO PIPE (NOT SHOWN)



DATE: NOVEMBER 1, 2021

SCALE: NTS

TOWN OF AVON Engineering Department

60 West Main Street, Avon, Connecticut 06001
860-409-4322

SANITARY SEWER
DOGHOUSE MANHOLE DETAIL

AVON,

CONNECTICUT

REVISION

DATE

Detail
S-16



TOWN OF AVON

60 West Main St. Avon, CT 06001-3743
www.town.avon.ct.us

POLICE, FIRE & MEDICAL
EMERGENCY - 911

TOWN MANAGER'S OFFICE
Tel. (860) 409-4300
Fax (860) 409-4368

ACCOUNTING
Tel. (860) 409-4339
Fax (860) 409-4366

ASSESSOR'S OFFICE
Tel. (860) 409-4335
Fax (860) 409-4366

BUILDING DEPARTMENT
Tel. (860) 409-4316
Fax (860) 409-4364

COLLECTOR OF REVENUE
Tel. (860) 409-4306
Fax (860) 677-8428

ENGINEERING DEPARTMENT
Tel. (860) 409-4322
Fax (860) 409-4364

FINANCE DEPARTMENT
Tel. (860) 409-4339
Fax (860) 409-4366

FIRE MARSHAL
Tel. (860) 409-4319
Fax (860) 409-4364

HUMAN RESOURCES
Tel. (860) 409-4303
Fax (860) 409-4368

LANDFILL
281 Huckleberry Hill Rd.
Tel. (860) 673-3677

LIBRARY
281 Country Club Road
Tel. (860) 673-9712
Fax (860) 675-6364

PLANNING & ZONING
Tel. (860) 409-4328
Fax (860) 409-4364

POLICE DEPARTMENT
Tel. (860) 409-4200
Fax (860) 409-4206

PROBATE
Tel. (860) 409-4348
Fax (860) 409-4368

PUBLIC WORKS
Tel. (860) 673-6151
Fax (860) 673-0338

RECREATION AND PARKS
Tel. (860) 409-4332
Fax (860) 409-4366
Cancellation (860) 409-4365

REGISTRAR OF VOTERS
Tel. (860) 409-4350
Fax (860) 409-4368

SOCIAL SERVICES
Tel. (860) 409-4346
Fax (860) 409-4366

TOWN CLERK
Tel. (860) 409-4310
Fax (860) 677-8428

TDD HEARING IMPAIRED
Tel. (860) 409-4361

MEMORANDUM

TO: Local Utilities, Contractors and Developers

COPY: Brandon Robertson, Town Manager

FROM: Lawrence E. Baril, P.E., GISP, Town Engineer *LEB*

DATE: May 29, 2013

RE: Town of Avon Pavement Cut Policy

In response to concerns regarding the costs of pavement repair and renovation, the Avon Town Council adopted the attached Pavement Cut Policy, effective immediately, which pertains to all Town of Avon owned pavements. Some highlights of the policy:

- The policy indicates that any Town of Avon owned road or parking lot that has been paved or resurfaced within 5 years can not be cut without written permission from the Town Engineer except in an emergency situation.
- The policy indicates that all excavation work within the Town's property or right-of-way requires an Excavation Permit as issued by the Town of Avon Engineering Department. The permit is required in advance of the commencement of the work except in the case of an emergency, in which case the permit must be obtained within the first business day following the work.
- The policy indicates pavement cuts require a two part repair – temporary and permanent.

Please refer to the Town of Avon's web site in the near future to obtain the pavement schedule. You will notice a list of those roads that have been recently paved and a list referencing roads to be paved within the foreseeable future.

Questions regarding this may be directed to the Avon Engineering Department at either sessex@town.avon.ct.us or 860.409.4322.

TOWN OF AVON
TOWN COUNCIL POLICY

TABLE INSET:

SUBJECT:	Pavement Cut Policy	NO.	25
		DATE:	May 2, 2013

The purpose of this policy is to preserve the life of street pavement, to provide an improved driving surface and to maintain a more pleasing appearance of our roadway surfaces by minimizing the impact of utility cuts on them. For the purposes of this policy, public roads and public streets are considered identical.

Policy

A. No cutting of initial or restorative structural paving will be permitted for a period of five years from completion date of installation or resurfacing of a Town of Avon owned road except as an emergency utility repair or under special conditions, such as utility replacement/installation, as approved by the Town Engineer. Structural paving shall be considered as a designed new paving or overlay consisting of an average of not less than 1 ½ inches of hot mix asphalt over an existing hard surfaced road.

B. Emergency utility repair can generally be defined as a circumstance in which a vital infrastructure service has been damaged, compromised, or has failed resulting in loss of service or constituting a hazard to public safety. New development is not considered an emergency.

C. All pavement cuts within the Town's right-of-way, including emergency repairs, require an Excavation Permit issued by the Town of Avon Engineering Department. The contractor performing the work shall be responsible to take out a permit prior to any work being performed, excluding an emergency repair as defined in Section B. When the work is considered an emergency repair the contractor performing the emergency repair shall take out a permit on the first regular business day following the initial repair work.

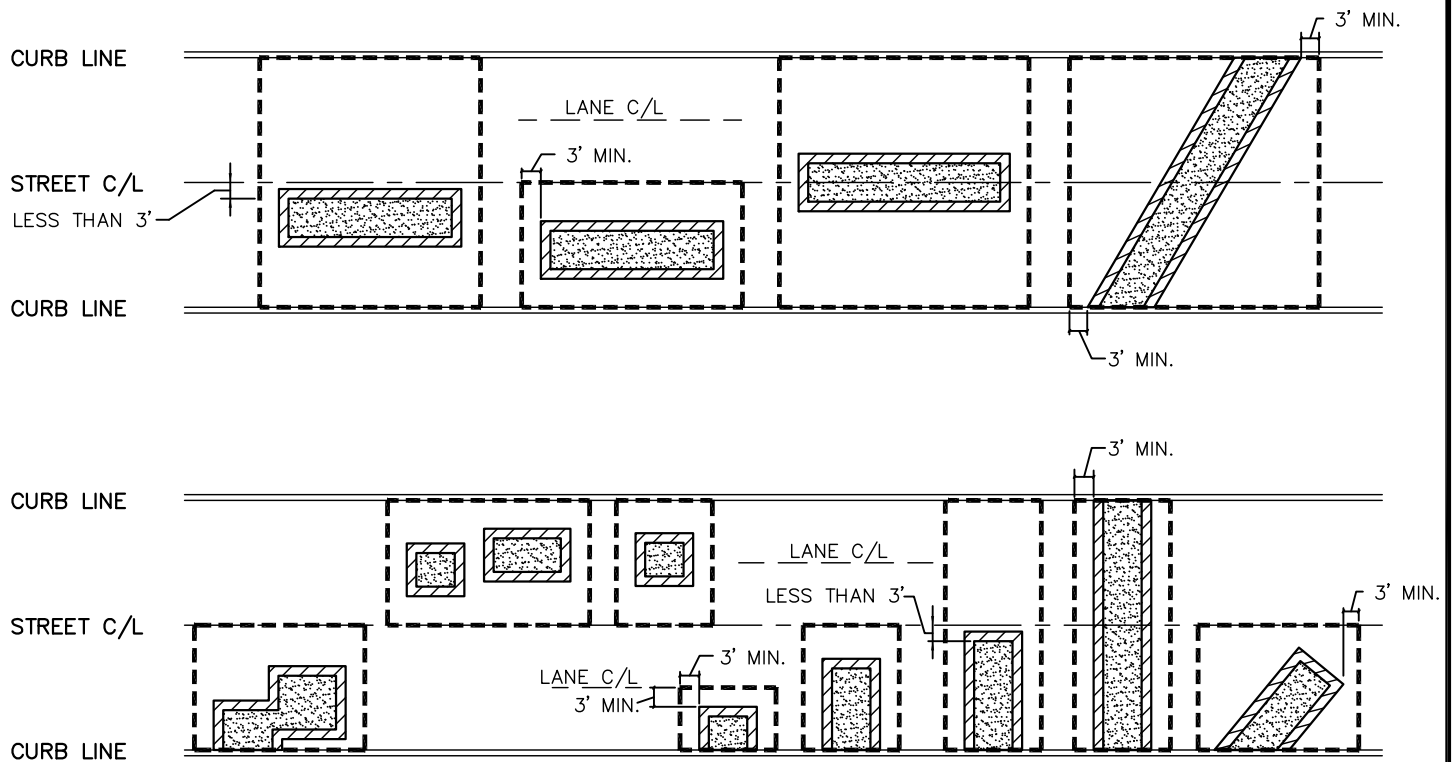
D. All cuts of initial or restorative paving shall include a bond to cover the performance of the repair. The bond shall be held for a period of twelve months from the date of acceptance of final pavement repair. The value of the bond shall be in value of 100% of the estimated cost by the Town to repair.

E. The contractor shall carry all the necessary insurance required by the Town of Avon to perform work within the Town's Right-of-Way

F. The Town of Avon Engineering Department is responsible for administering this policy. The details & technical specifications required for pavement cuts are available from the Avon Engineering Department.

G. Pavement restoration within a cul-de-sac will be determined on a case-by-case basis by the Town Engineer.

H. Directional boring or bore and jack methods of utility construction are strongly encouraged.



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

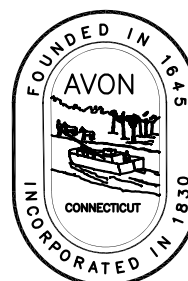


AREA OF FULL DEPTH PAVEMENT REPLACEMENT



EDGE OF MILLING AREA

P-1



TOWN OF AVON

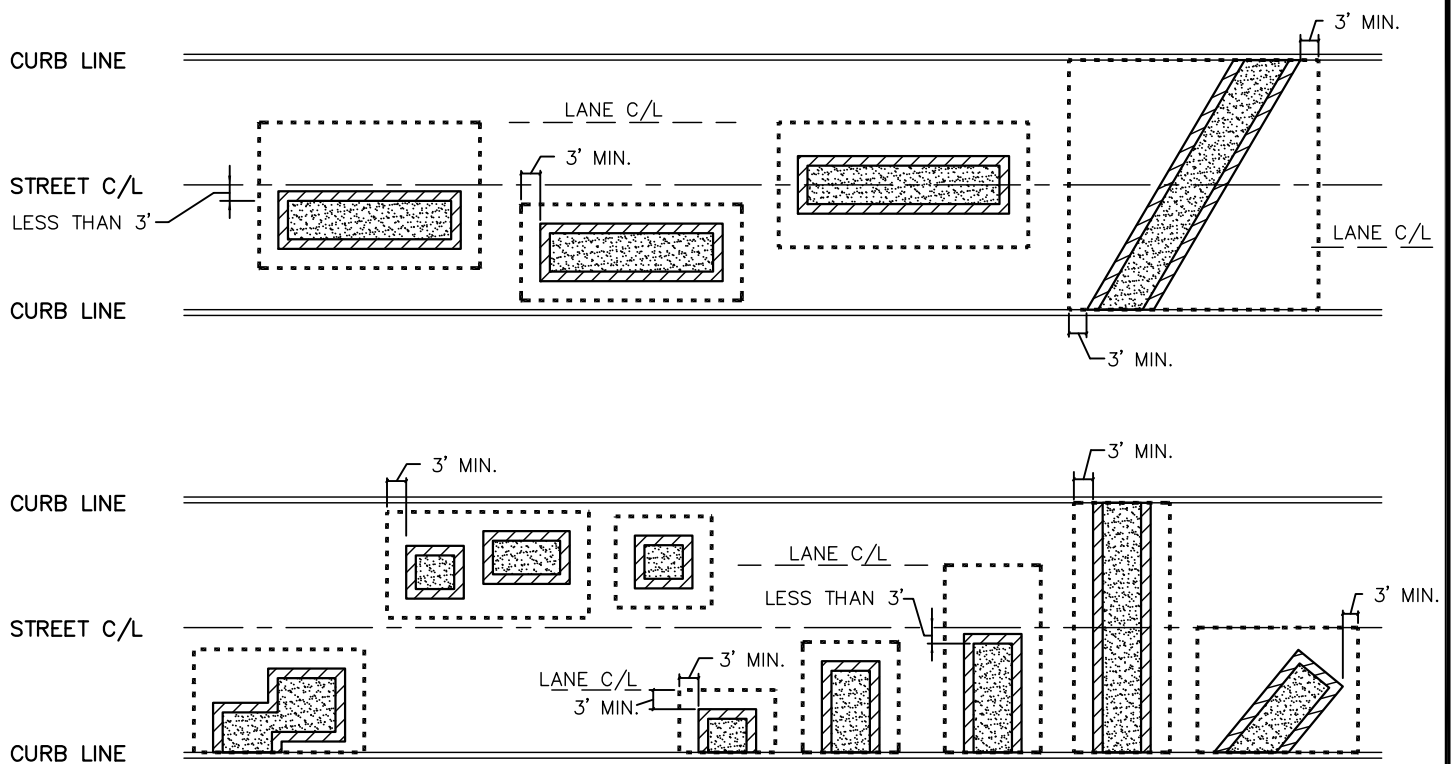
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

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

SCALE: NONE

DATE: 1/3/18



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

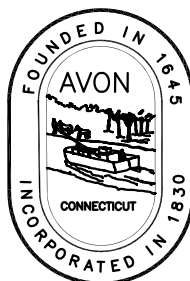


AREA OF FULL DEPTH PAVEMENT REPLACEMENT



EDGE OF MILLING AREA

P-2



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

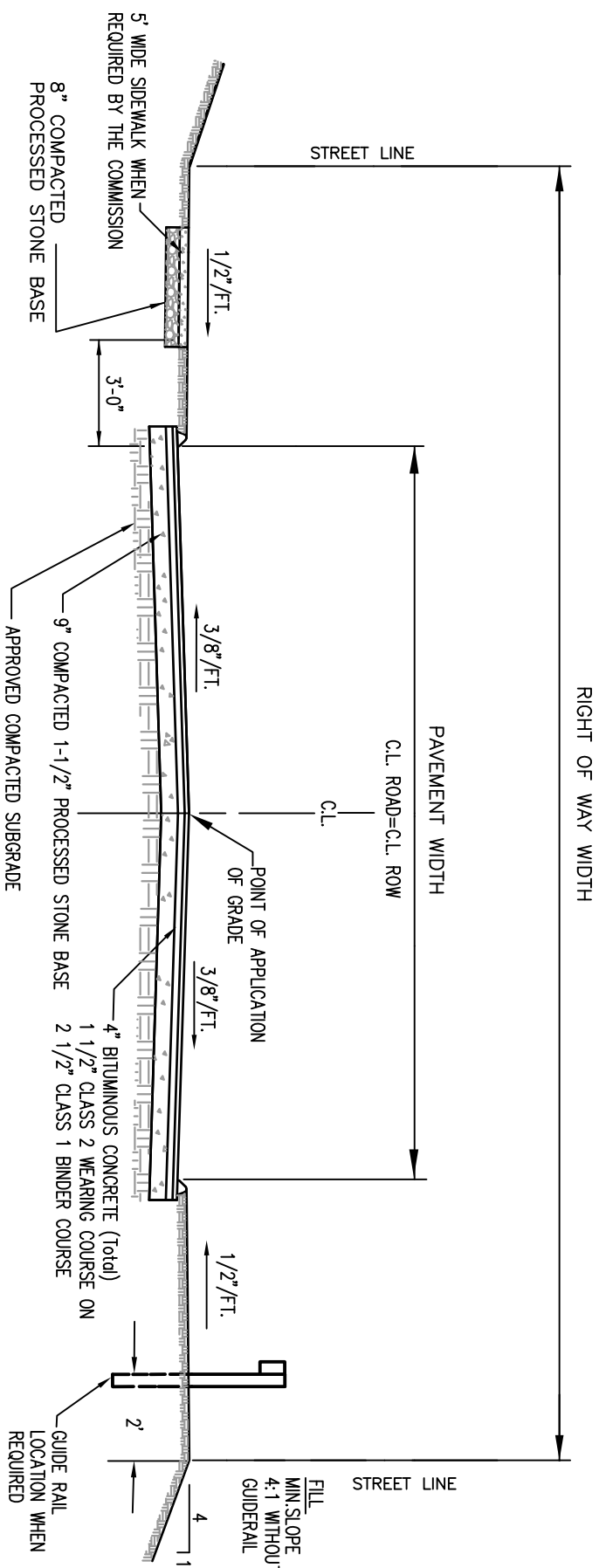
ENGINEERING DEPT.

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

SCALE: NONE

DATE: 1/3/18

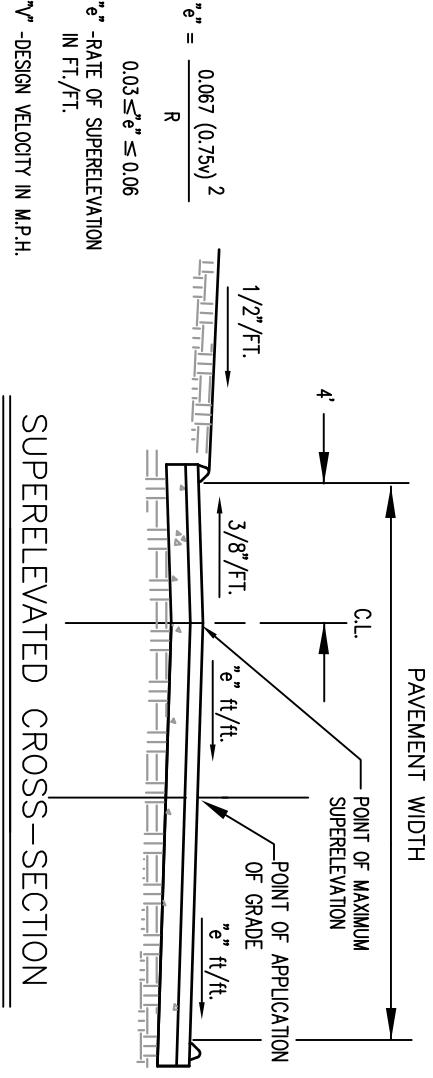




NOTES:

1. REINFORCED CONCRETE SURFACE MAY BE SUBSTITUTED WITH APPROVAL OF THE COMMISSION AND THE TOWN ENGINEER
2. COMPACTION TESTING FOR SUBGRADE AND PAVEMENT PER CONDOT FORM 816 AND AS REQUIRED BY TOWN ENGINEER
3. PROCESSED STONE FOR ROAD BASE SHALL NOT BE "RECLAIMED" MATERIAL BUT SHALL FOLLOW ALL OTHER CT DOT REQUIREMENTS.

NON-SUPERELEVATED CROSS-SECTION



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

$$0.03 \leq e'' \leq 0.06$$

e'' - RATE OF SUPERELEVATION IN FT./FT.

v - DESIGN VELOCITY IN M.P.H.

R - RADIUS OF CURVE



TOWN OF AVON

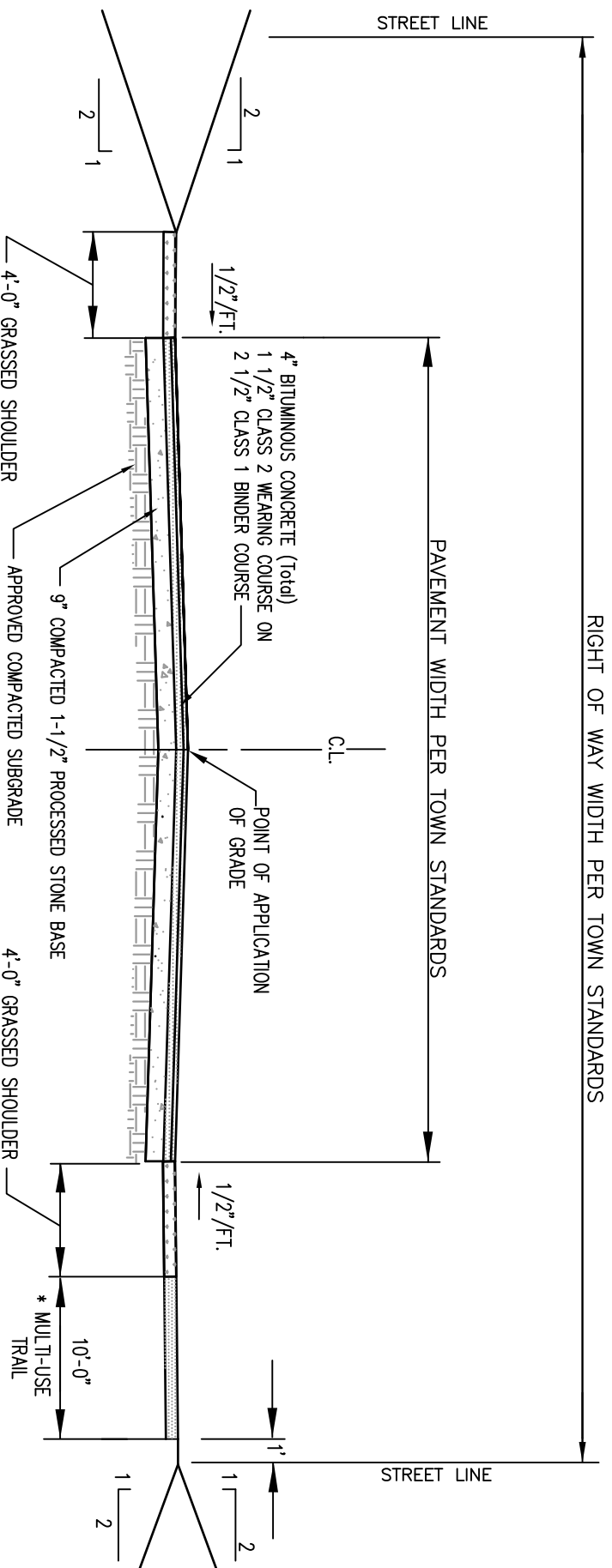
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

TYPICAL RIGHT OF WAY
GRADING AND DESIGN DATA

SCALE: NONE DATE: 2/17/23

P-4



NOTES:

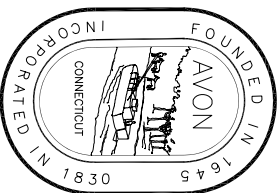
1. REINFORCED CONCRETE SURFACE MAY BE SUBSTITUTED WITH APPROVAL OF THE COMMISSION AND THE TOWN ENGINEER
2. COMPACTION TESTING FOR SUBGRADE AND PAVEMENT PER CONNDOT FORM 816 AND AS REQUIRED BY TOWN ENGINEER
3. PROCESSED STONE FOR ROAD BASE SHALL NOT BE "RECLAIMED" MATERIAL BUT SHALL FOLLOW ALL OTHER CT DOT REQUIREMENTS.

TYPICAL SECTION

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.



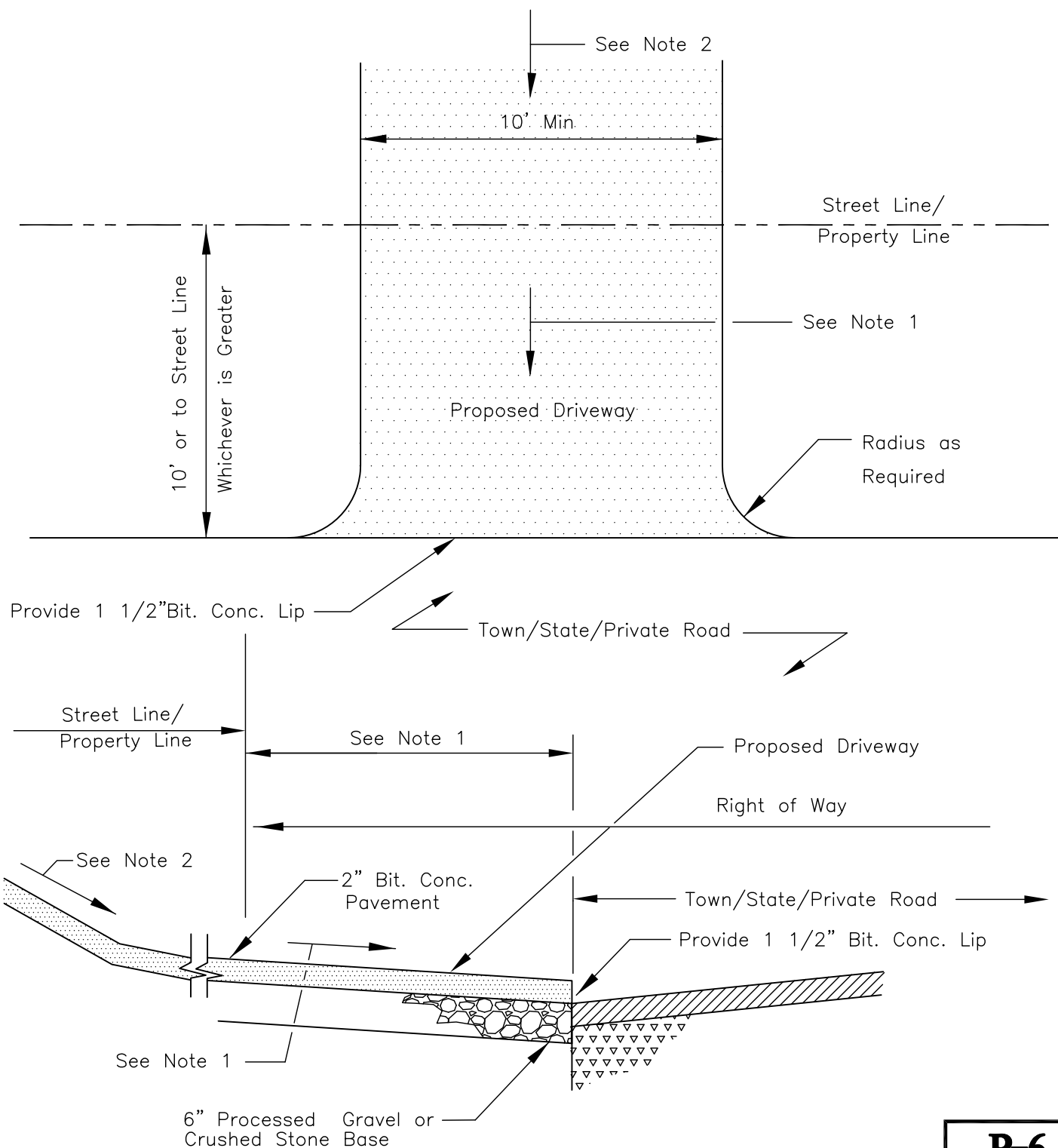
TOWN OF AVON
60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

P-5

TYPICAL ROADWAY CONSTRUCTION

SCALE: NONE

DATE: 2/27/20



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.

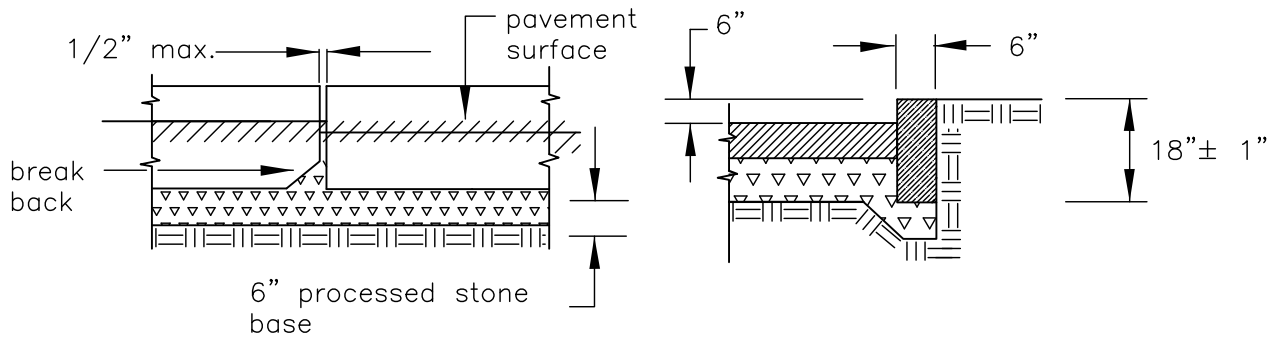
TYPICAL DRIVEWAY SECTION

SCALE: NONE

DATE: 1/3/18

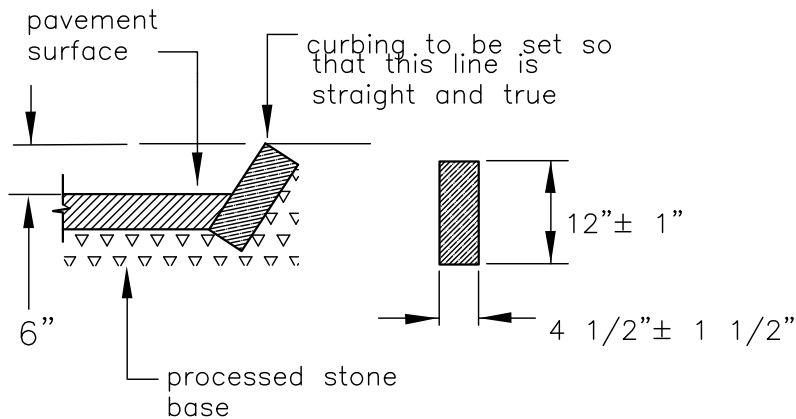
P-6

VERTICAL GRANITE CURBING



SLOPED GRANITE CURBING

Minimum length 2'

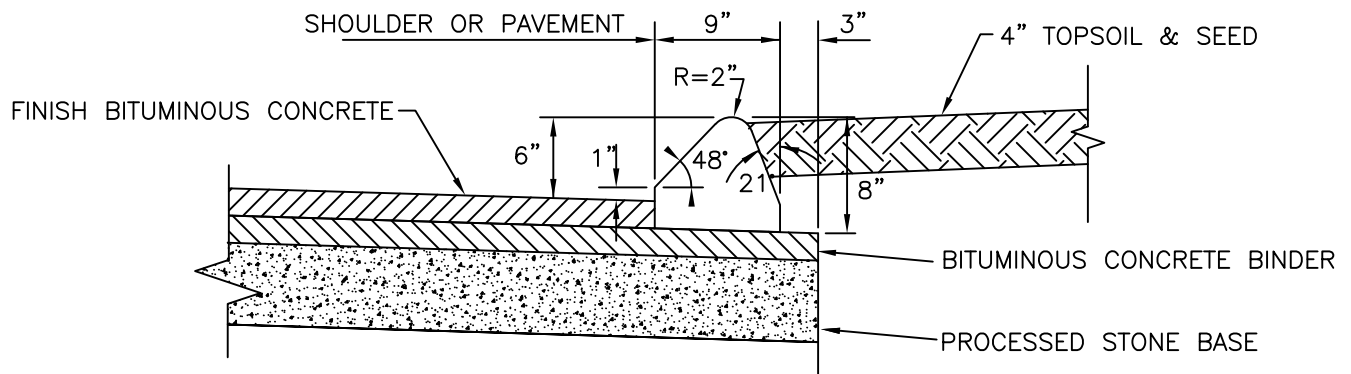


NOTES:

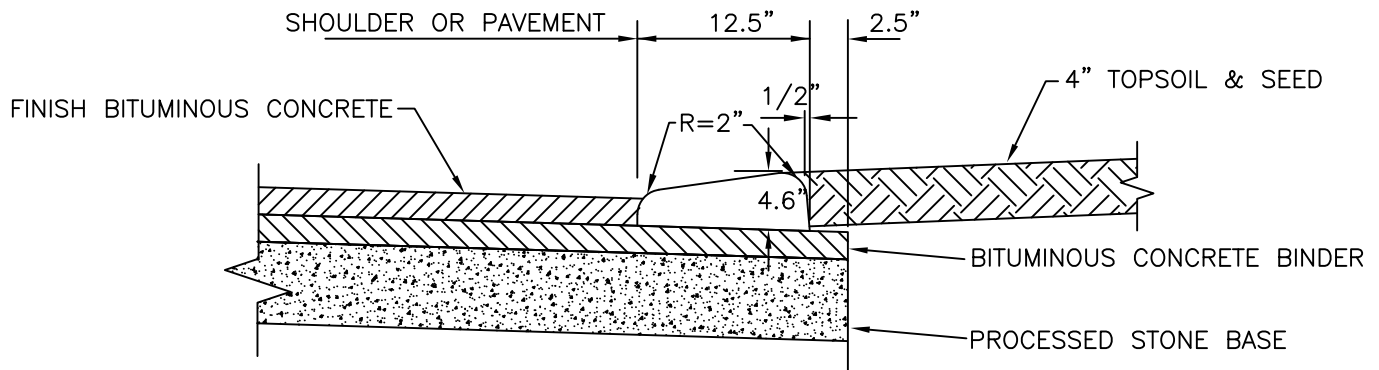
1. Finish to be sawn top, split face, with jointed 8" smooth quarry split from top.
2. Breakback:
9" for curb lengths
6' or more
6" for curb lengths less than 6'
3. Minimum length is 6'.

P-7

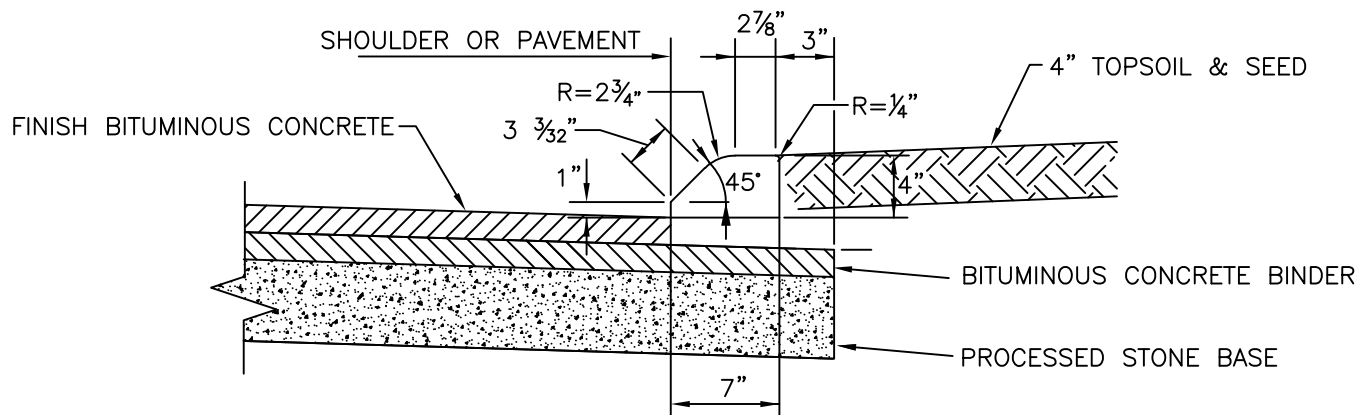
	TOWN OF AVON	
	60 WEST MAIN STREET AVON, CONN.	
	ENGINEERING DEPT.	
	GRANITE CURB SECTIONS	
SCALE: NONE		DATE: 1/3/18



BITUMINOUS CONCRETE
LIP CURB



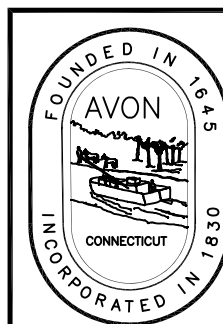
BITUMINOUS CONCRETE
CAPE COD SLOPE CURBING



BITUMINOUS CONCRETE
PARK CURBING

NOTES:

1. CURBING MATERIAL TO BE CLASS 3 BITUMINOUS CONCRETE PER CONN. D.O.T. FORM 817 AS AMENDED.
2. CURBING TO BE LAID ON TOP OF BINDER COURSE.
3. TACK COAT TO BE APPLIED PRIOR TO CURB PLACEMENT AS REQUIRED BY TOWN. COATING TO BE APPLIED PER M 04.01.1.d.4, FORM 817 AS AMENDED.
4. PROCESSED STONE FOR ROAD BASE SHALL NOT BE "RECLAIMED" MATERIAL BUT SHALL FOLLOW ALL OTHER CTDOT REQUIREMENTS.



TOWN OF AVON

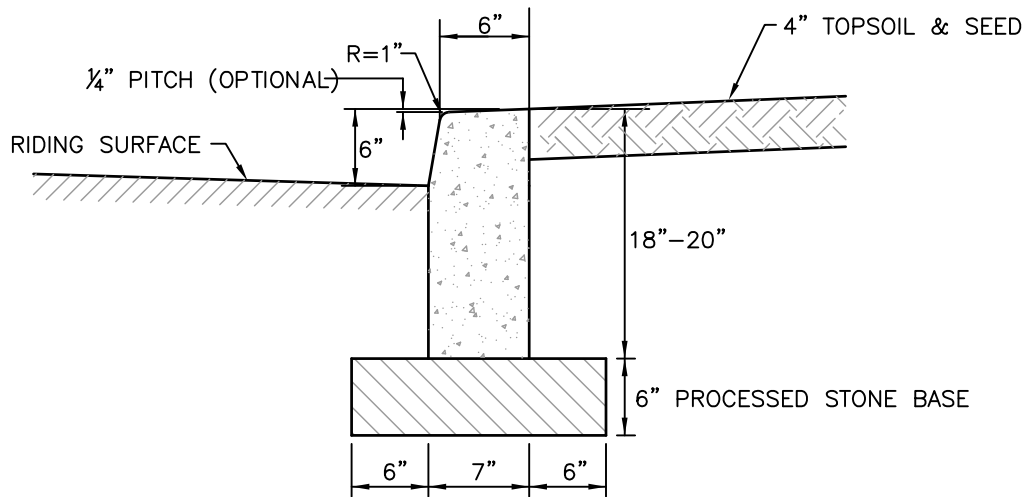
60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

BITUMINOUS CONCRETE CURBING

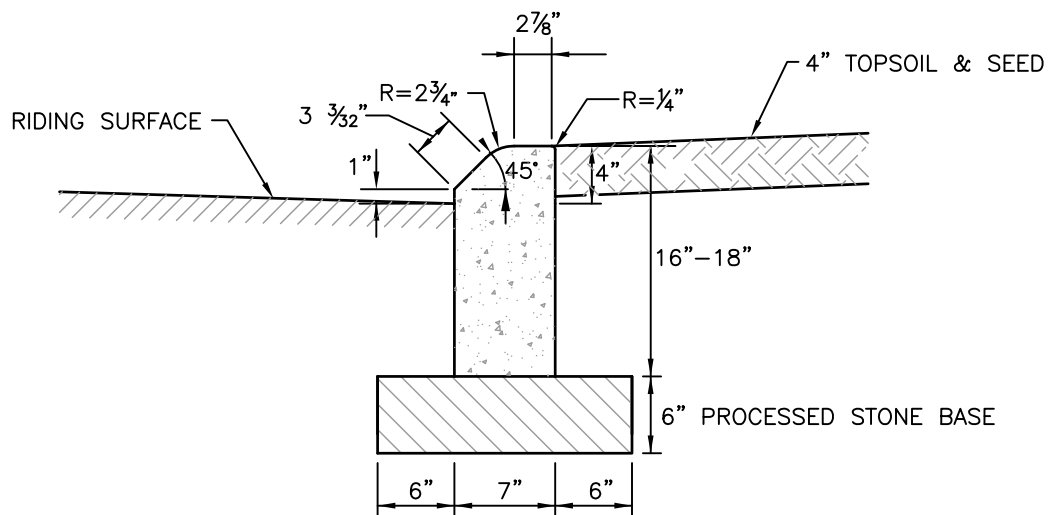
SCALE: NONE

DATE: 2/27/20

P-8

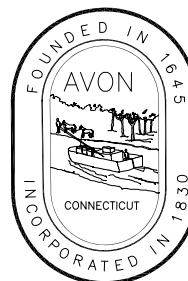


CONCRETE CURBING
(6" REVEAL)



CONCRETE PARK CURBING
(4" REVEAL)

P-8A



TOWN OF AVON

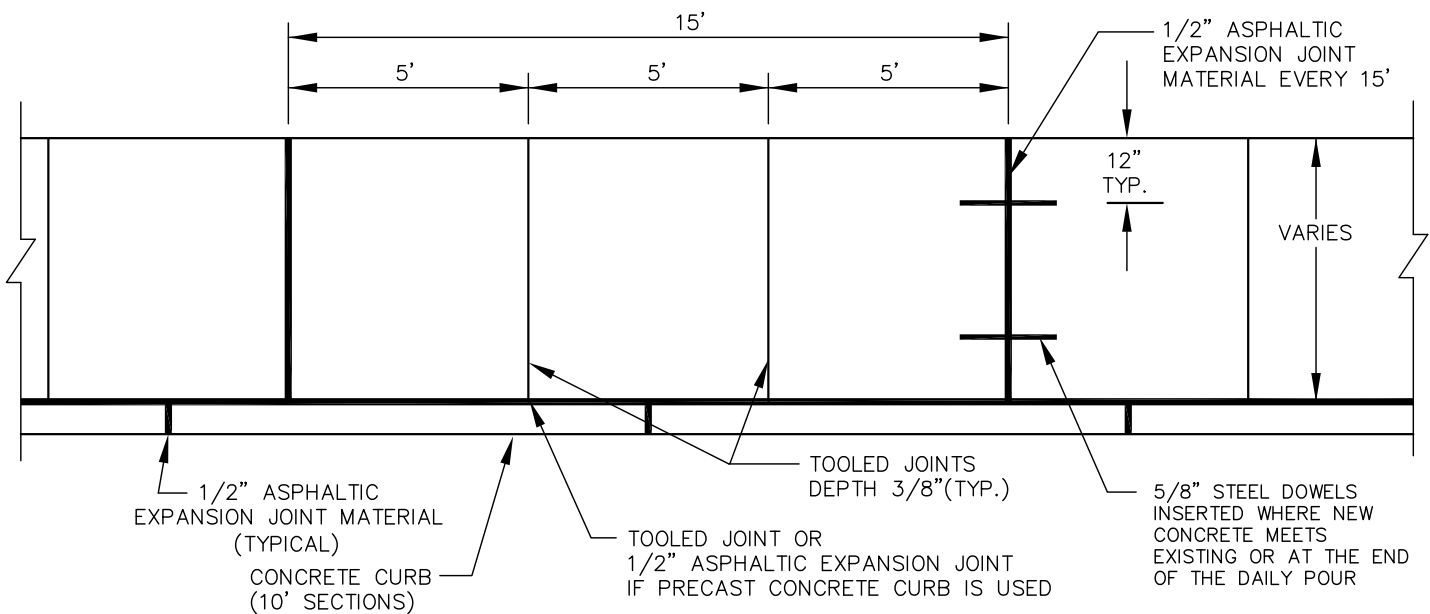
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

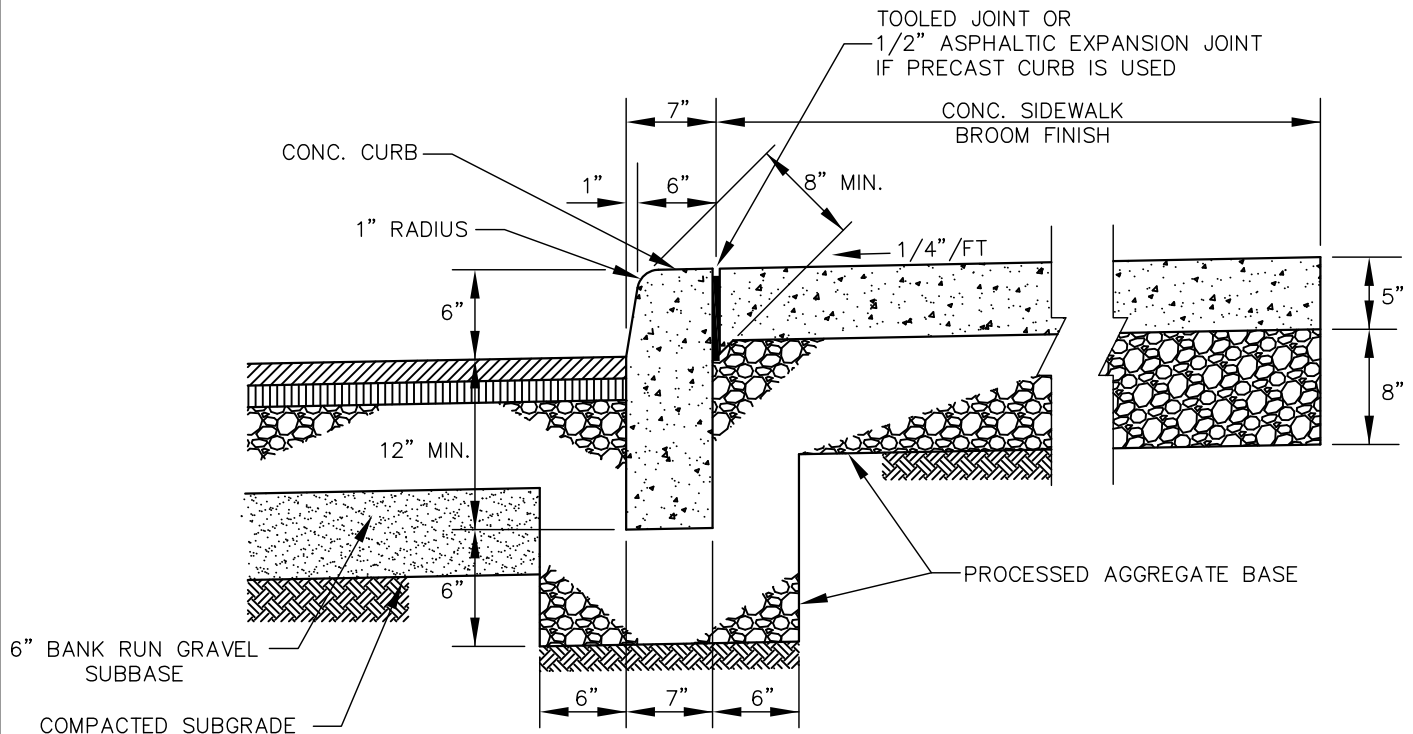
CONCRETE CURBING

SCALE: NONE

DATE: 3/14/22

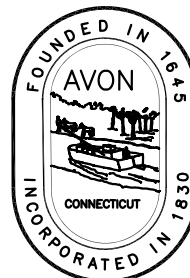


NOTE: 5000 PSI CONCRETE TO BE USED FOR WALK



PAVEMENT/ SIDEWALK SECTION

P-9



TOWN OF AVON

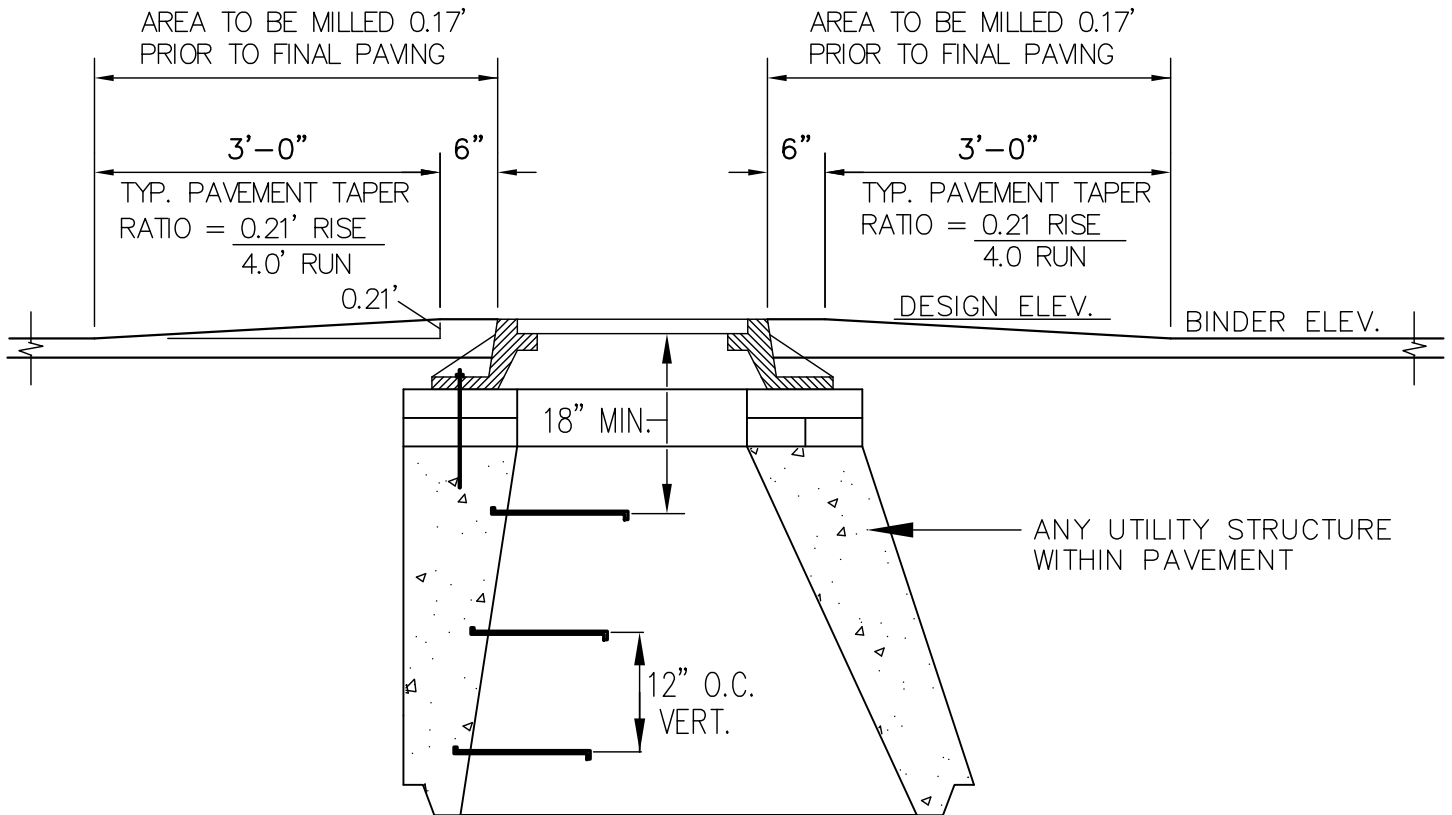
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

INTEGRAL CONCRETE CURB DETAIL

SCALE: NONE

DATE: 10/22/19



NOTES:

1. THIS DETAIL IS FOR TEMPORARY PAVEMENT AT UTILITY STRUCTURES SET AT FINISHED DESIGN ELEVATIONS, WHILE PAVEMENT IS AT BINDER ELEVATION.
2. TRANSITIONAL PAVEMENT TO BE SET IN PLACE AS ONE CONTIGUOUS PAVE WITH THE BINDER COURSE. SHIMMING AFTER THE BINDER COURSE IN IN PLACE IS PROHIBITED.
3. THE PRIMARY PURPOSE OF THIS DETAIL IS TO ENSURE THAT THE TRANSITION OF PAVEMENT TO THE EDGES OF THE STRUCTURES IS SAFE FOR PUBLIC TRAVEL AND TO REDUCE THE NEGATIVE EFFECTS OF IMPACTS FROM WINTER MAINTENANCE OPERATIONS.
4. TEMPORARY TRANSITION PAVEMENT IS TO BE HIGHER THAN THE STRUCTURE FRAME OR TOP IN ALL CIRCUMSTANCES.

P-10



TOWN OF AVON

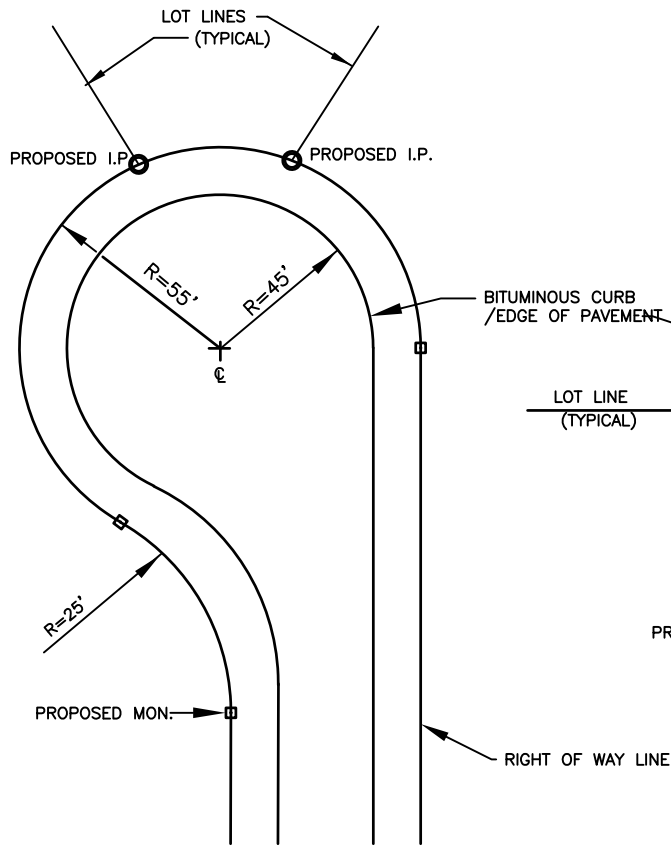
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ENGINEERING DEPT.

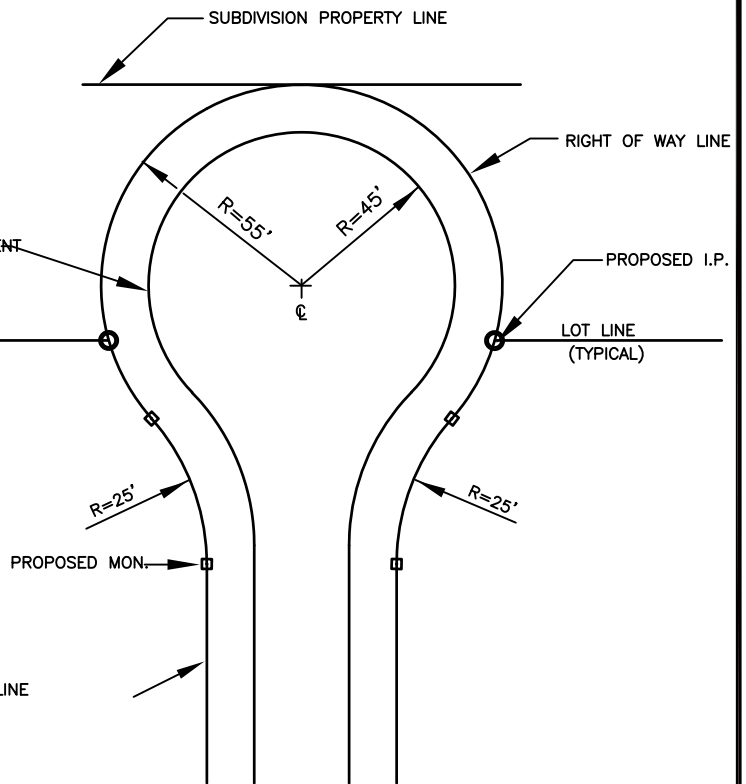
PAVEMENT TRANSITION
FOR STRUCTURES SET AT
FINISHED PAVEMENT GRADE

SCALE: NONE

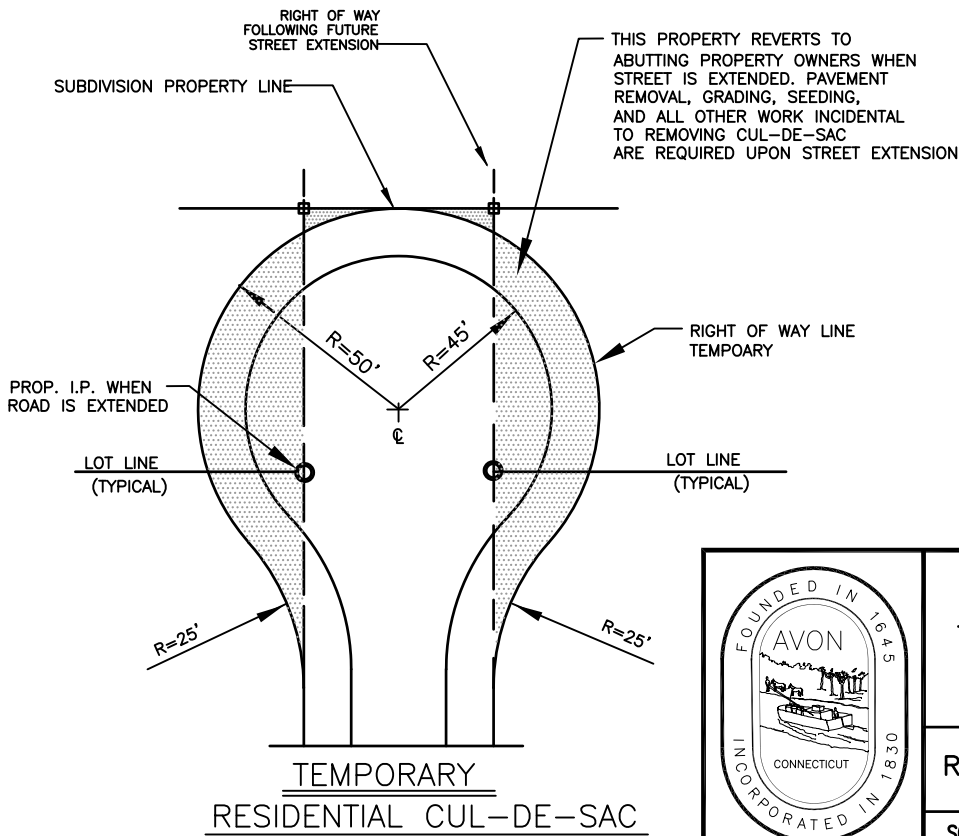
DATE: 1/3/18



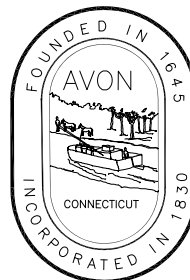
PERMANENT RESIDENTIAL
CUL-DE-SAC



PERMANENT RESIDENTIAL
CUL-DE-SAC



P-11



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

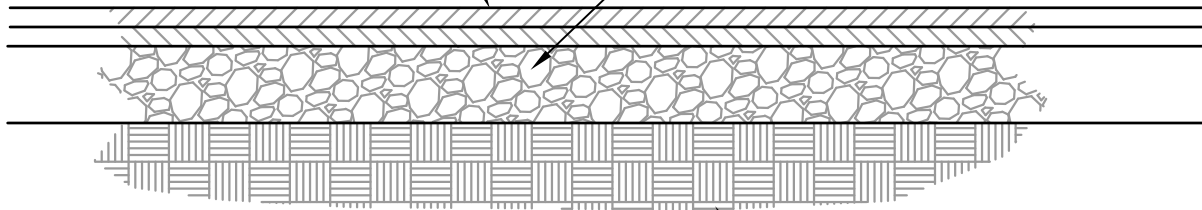
RESIDENTIAL CUL-DE-SAC DETAILS

SCALE: NONE

DATE: 2/27/23

BITUMINOUS PAVING:
MIN. 2" CLASS I BINDER AND 1
2" CLASS II WEARING

6" MINIMUM 1-1/2" PROCESSED
STONE BASE COMPACTED TO 95%
PROCTOR DENSITY



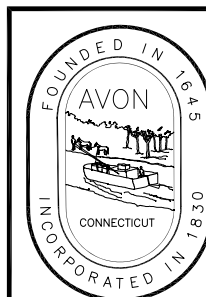
SUITABLE NATIVE MATERIAL OR
ROCK FREE BANK RUN GRAVEL
BACKFILL COMPACTED TO 95%
PROCTOR DENSITY

TYPICAL PARKING LOT BASE AND PAVING DETAIL

NOTES:

1. IF MATCHING WITH EXISTING ROADWAY OR PAVING, EXISTING PAVEMENT IS TO BE SAW-CUT AND KEYED AND TACK COAT IS TO BE APPLIED AS REQUIRED.
2. WITHIN LIMITS OF CONN. STATE HIGHWAYS, CONNDOT REQUIREMENTS SHALL GOVERN FOR PAVEMENT, BASE, AND RELATED SPECIFICATIONS.
3. THICKNESSES SHOWN ARE MINIMUMS AFTER FINAL COMPACTION.

P-12



TOWN OF AVON

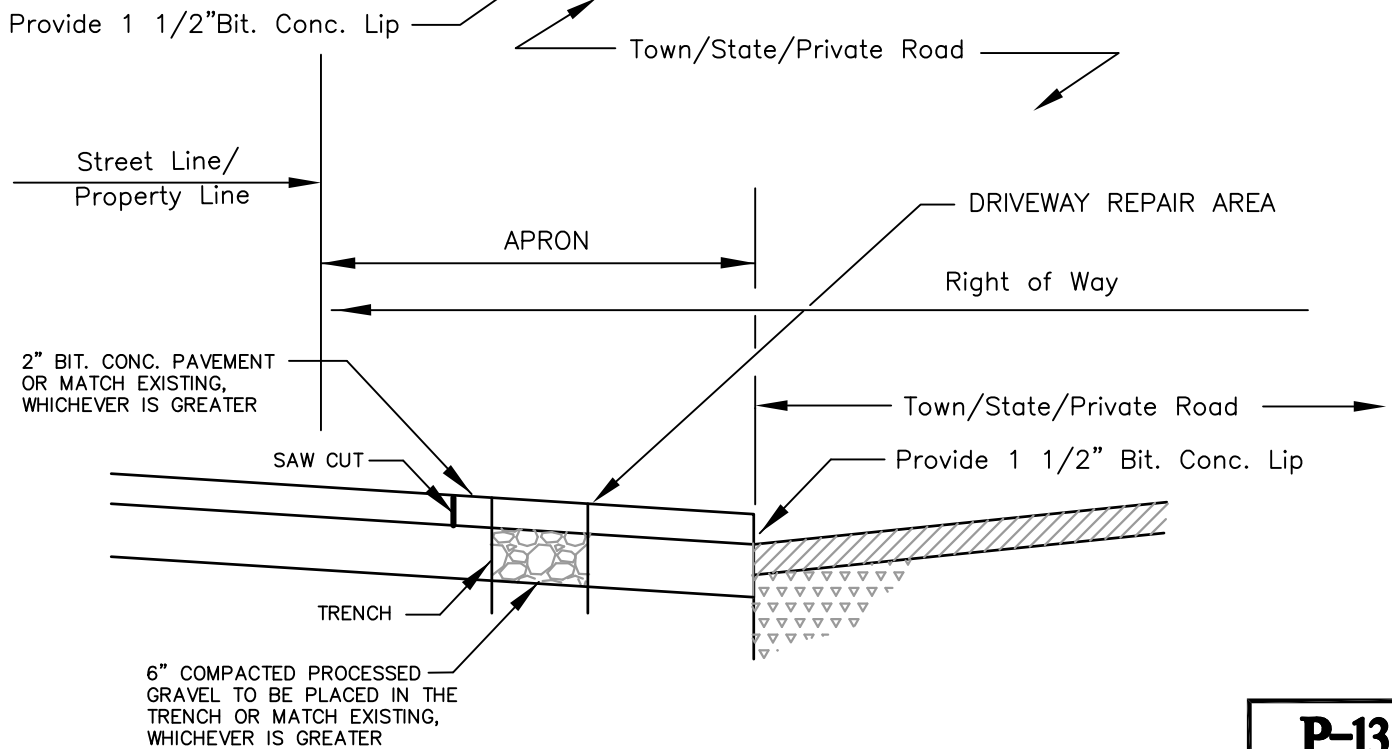
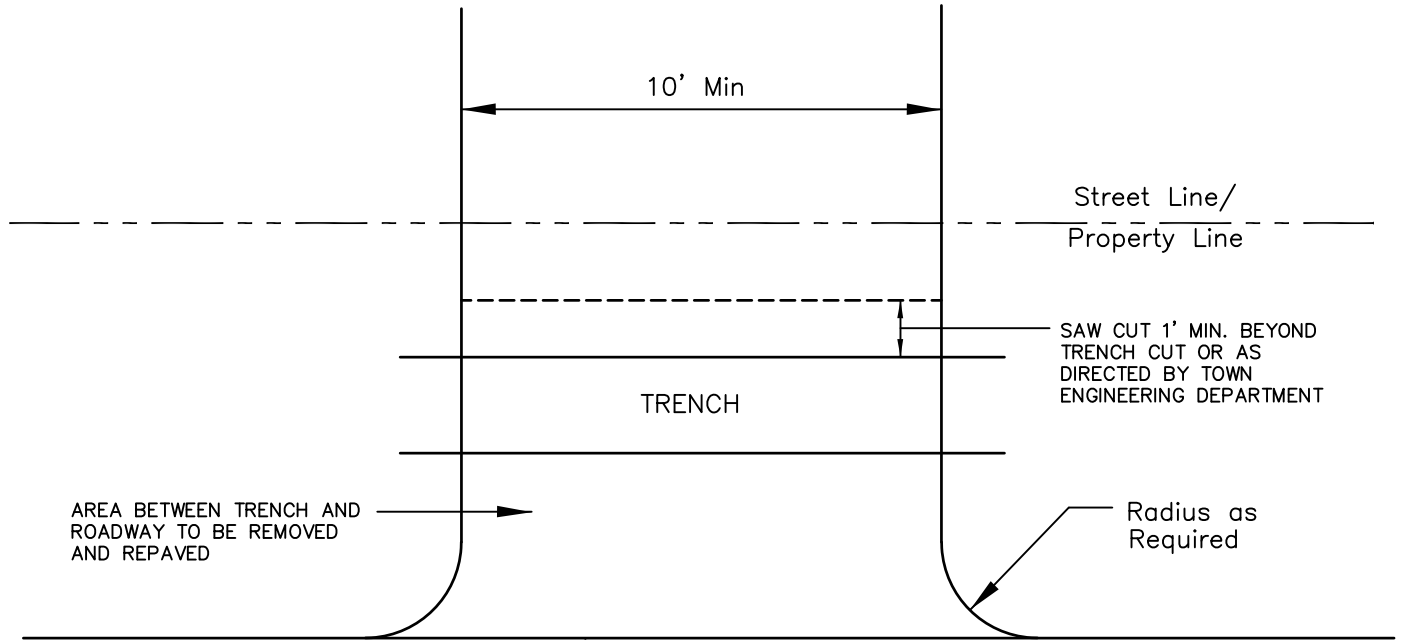
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

PARKING LOT PAVING DETAIL

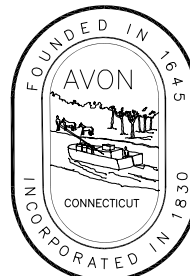
SCALE: NONE

DATE: 10/22/19



NOTES:

1. ALL MATERIALS ARE TO MEET THE REQUIREMENTS OF THE CTDOT STANDARDS, FORM 818 AS AMENDED.
2. THE SEAM FROM EXISTING DRIVEWAY TO THE NEW APRON MUST BE A STRAIGHT LINE SAW CUT, AND MUST BE CRACK-SEALED WITH HIGHWAY-GRADE MATERIAL AND METHOD.
3. THE EXTENT OF APRON REPLACEMENTS IS TO BE DETERMINED BY AVON ENGINEERING STAFF, BASED ON THE CONDITION OF THE EXISTING APRON.
4. APRONS BEING REPLACED WITHIN DRIVEWAYS THAT ARE LESS THAN OR EQUAL TO 5 YEARS OLD MUST HAVE THE SEAM BETWEEN EXISTING DRIVEWAY AND NEW APRON INFRARED BONDED



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

TRENCH CUT THROUGH
EXISTING DRIVEWAY APRON

SCALE: NONE

DATE: 7/13/23

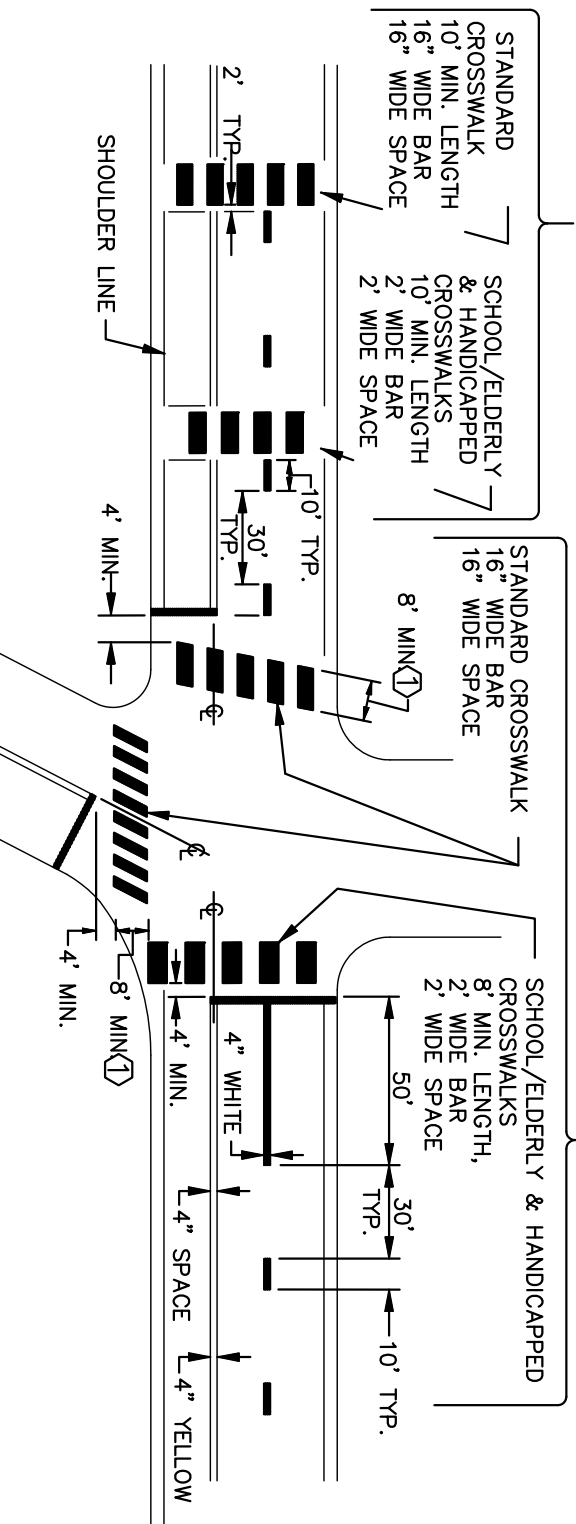
P-13

PAVEMENT MARKINGS – CROSSWALKS

AT MID BLOCK
AND UNSIGNALIZED
INTERSECTIONS (EXCEPT
ALL-WAY STOP
CONTROLLED
INTERSECTIONS)

16" WIDE BARS ARE TO BE
CENTERED ON YELLOW CENTERLINE
2' WIDE BARS – CENTER SPACE
ON YELLOW CENTERLINE

AT SIGNALIZED
AND ALL-WAY STOP
CONTROLLED INTERSECTIONS



NOTE: (CROSS-WALKS)

- ① AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO C AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
- ② SCRAMBLE WALKS TO BE MARKED WITH ONE 24" WIDE LINE ACROSS EACH APPROACH.
- ③ BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB LINE/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOP THIS DISTANCE MAY BE DECREASED TO 1'.
- ④ ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.

P-14

TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

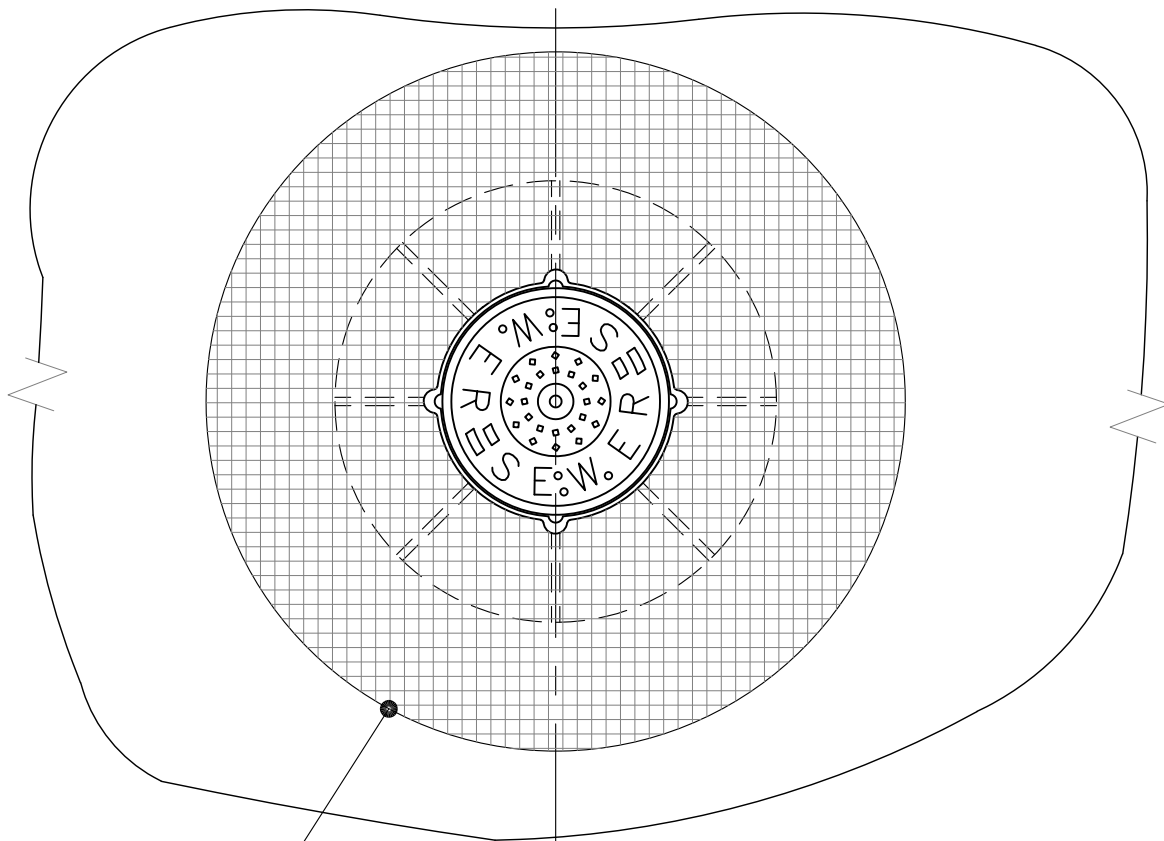
ENGINEERING DEPT.

PAVEMENT MARKINGS – CROSSWALKS

SCALE: NONE

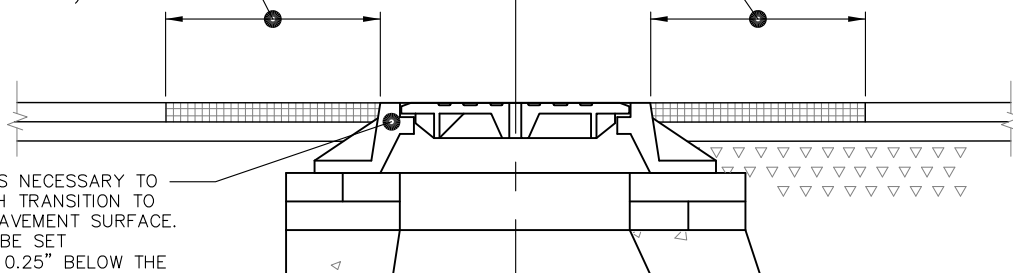
DATE: 1/3/18





MILL THIS AREA 2" DEEP AND 24" OUTSIDE OF MANHOLE FRAME AND REPAVE WITH CLASS 2 HOT MIX ASPHALT TAKING CARE THAT FRAME IS BELOW TOP OF PAVEMENT (SEE NOTE 2)

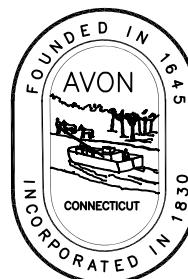
RESET FRAME AS NECESSARY TO PROVIDE SMOOTH TRANSITION TO SURROUNDING PAVEMENT SURFACE. FRAME SHOULD BE SET APPROXIMATELY 0.25" BELOW THE PLANE OF THE SURROUNDING PAVEMENT.



P-15

NOTES:

1. THE PURPOSE OF THIS DETAIL IS TO DESCRIBE MANHOLE FRAME RESET AND PAVEMENT REPAIR AT MANHOLE FRAMES THAT ARE EITHER TOO FAR BELOW OR TOO HIGH ABOVE SURROUNDING PAVEMENT.
2. THE AREA TO BE MILLED AND REPAVED AS SHOWN ABOVE IS TO BE BASED ON FIELD CONDITIONS AND AS REQUIRED BY AVON ENGINEERING STAFF



TOWN OF AVON

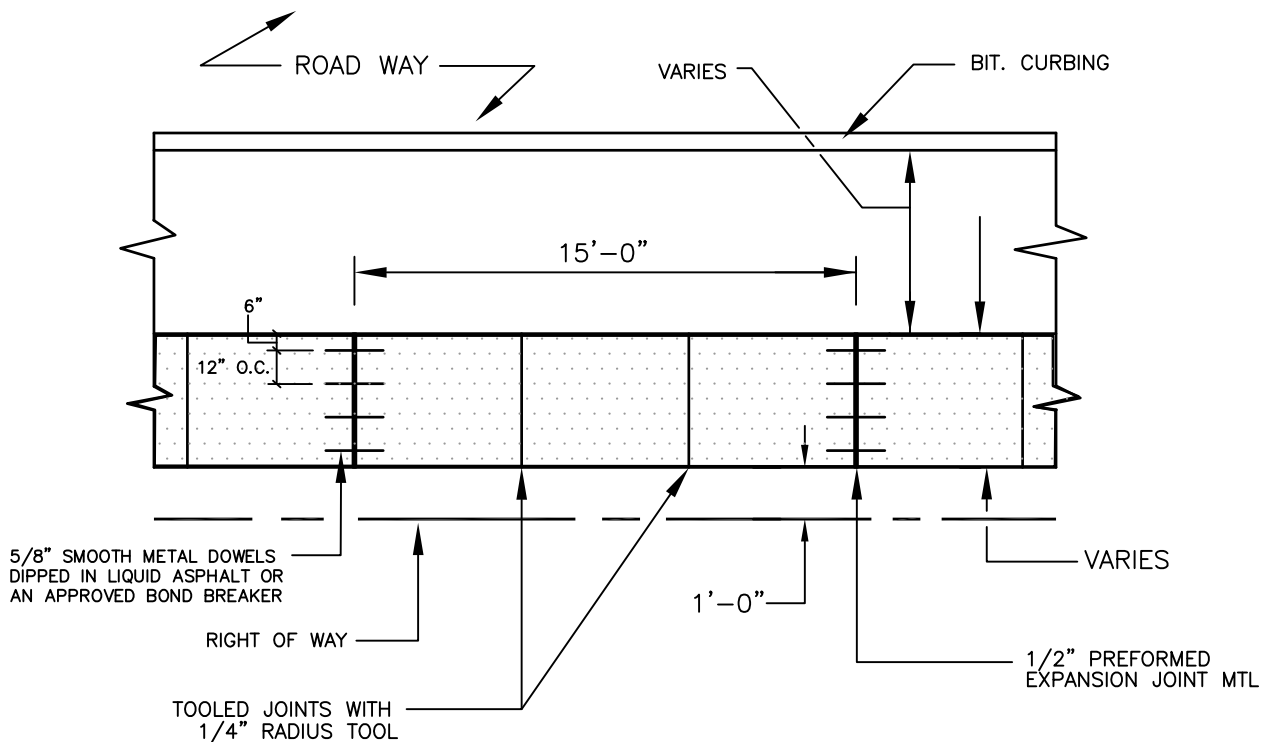
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

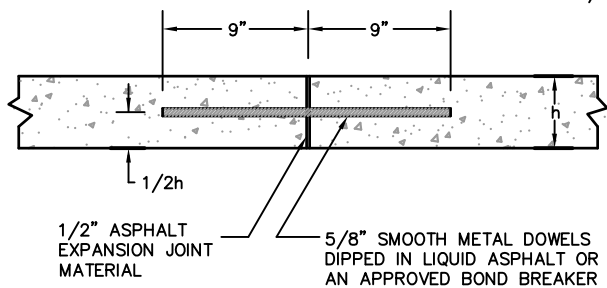
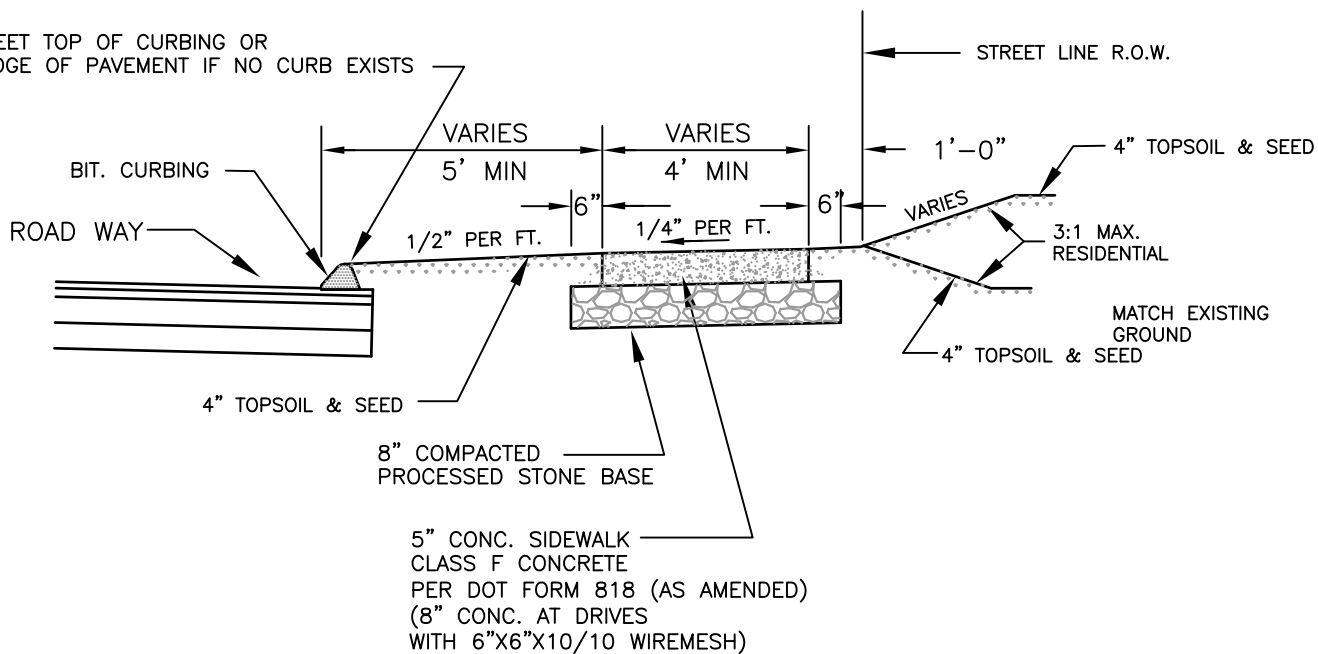
PAVEMENT REPAIR AT
MANHOLE DETAIL

SCALE: NONE

DATE: 1/4/22

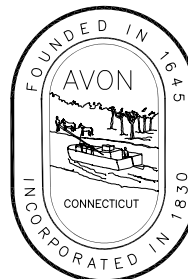


MEET TOP OF CURBING OR
EDGE OF PAVEMENT IF NO CURB EXISTS



EXPANSION JOINT - DETAIL

SW-1



TOWN OF AVON

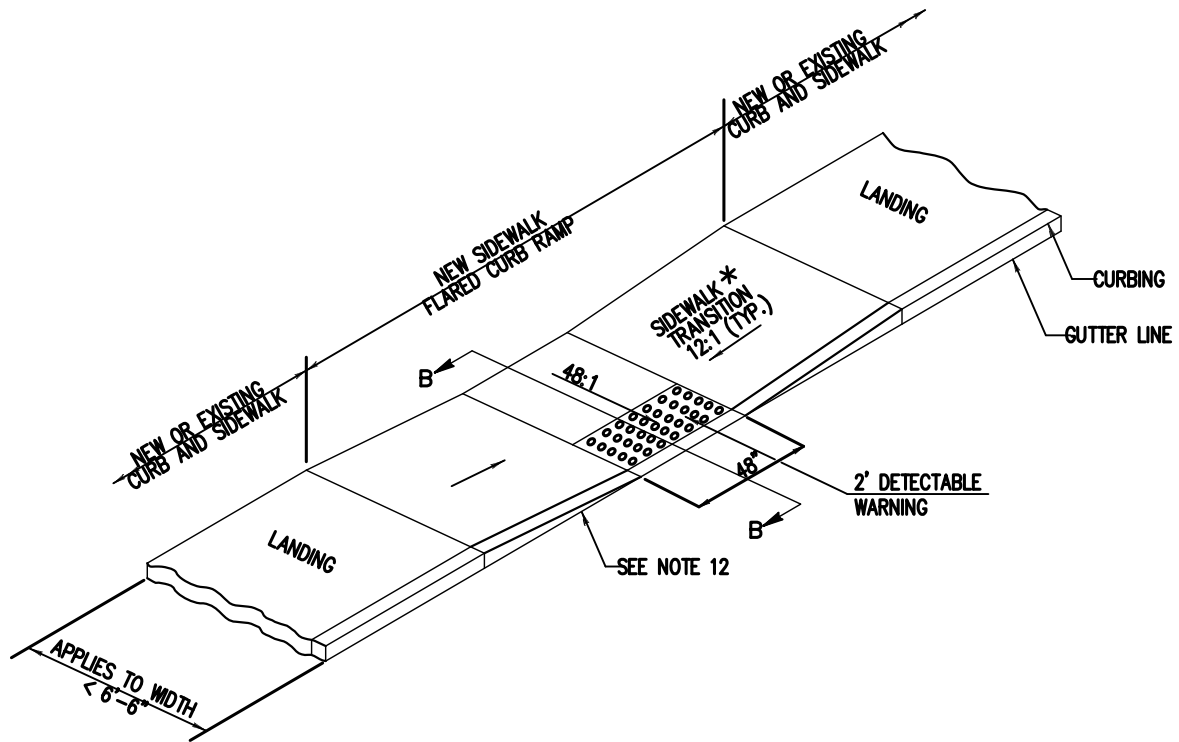
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

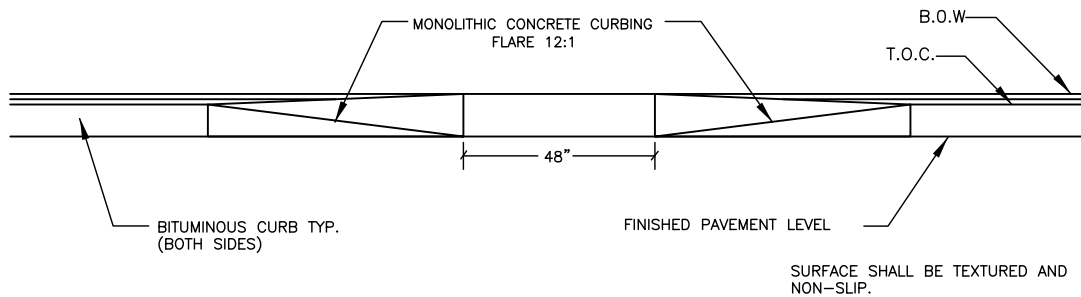
TYPICAL SIDEWALK
DETAIL

SCALE: NONE

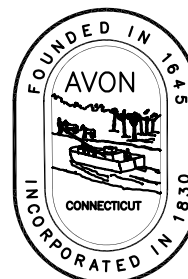
DATE: 8/22/22



PARALLEL SIDEWALK RAMP (TYPE 1)



SW-2



TOWN OF AVON

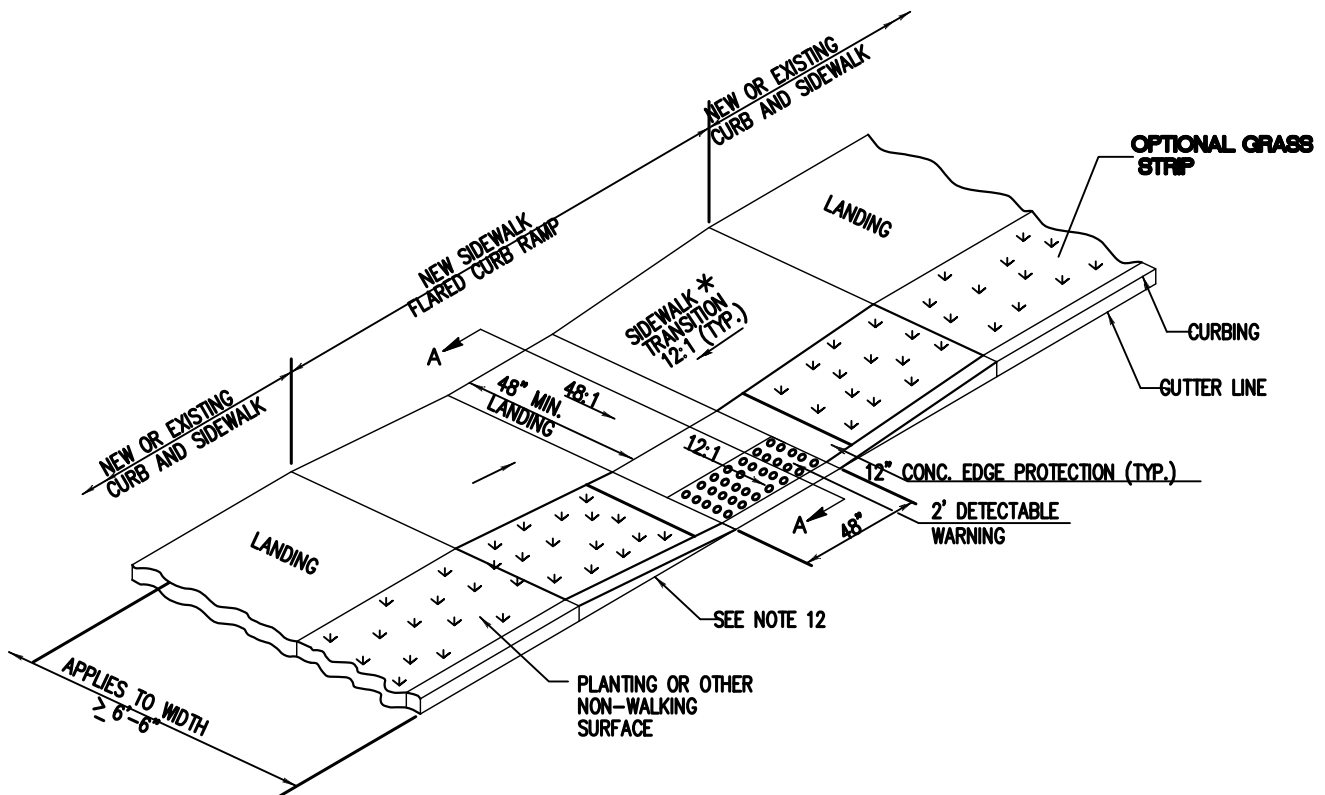
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ENGINEERING DEPT.

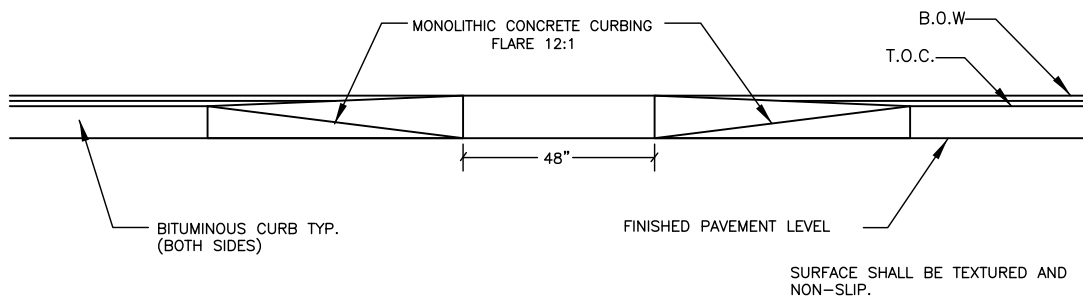
CONCRETE SIDEWALK
HANDICAP RAMP (TYPE 1)

SCALE: NONE

DATE: 1/3/18



PERPENDICULAR SIDEWALK RAMP (TYPE 2)



SW-3



TOWN OF AVON

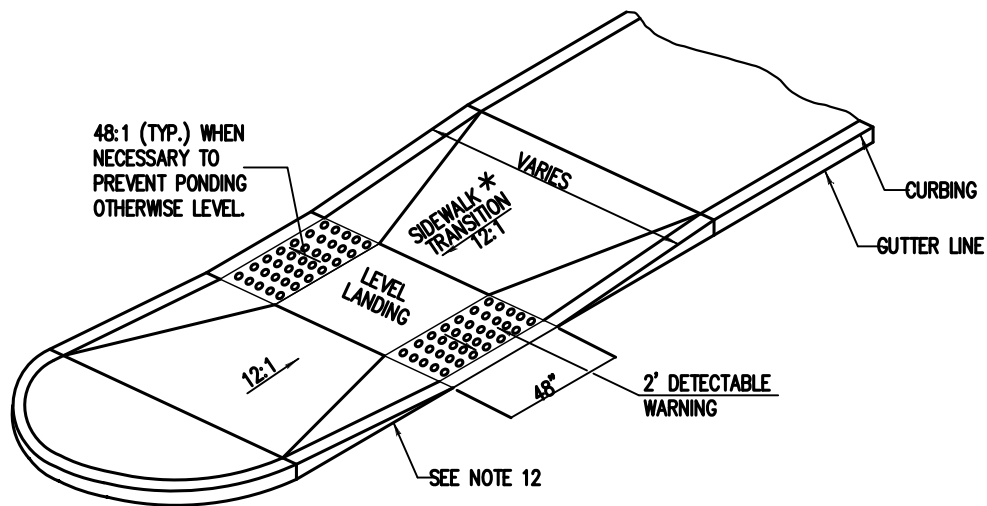
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ENGINEERING DEPT.

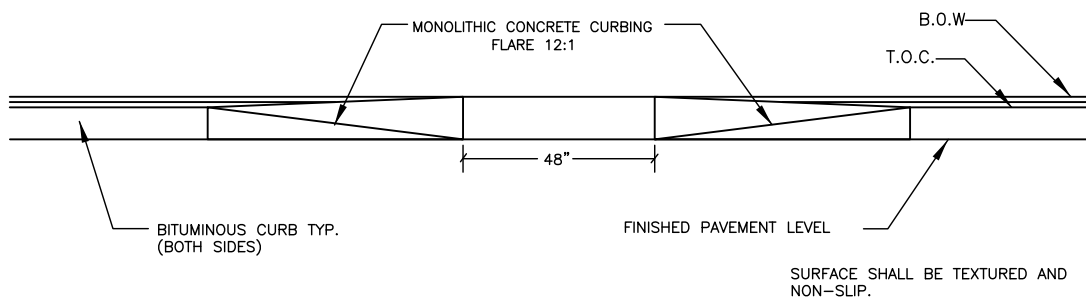
CONCRETE SIDEWALK
HANDICAP RAMP (TYPE 2)

SCALE: NONE

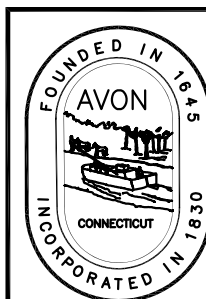
DATE: 1/3/18



RAISED ISLAND SIDEWALK RAMP (TYPE 3)



SW-4



TOWN OF AVON

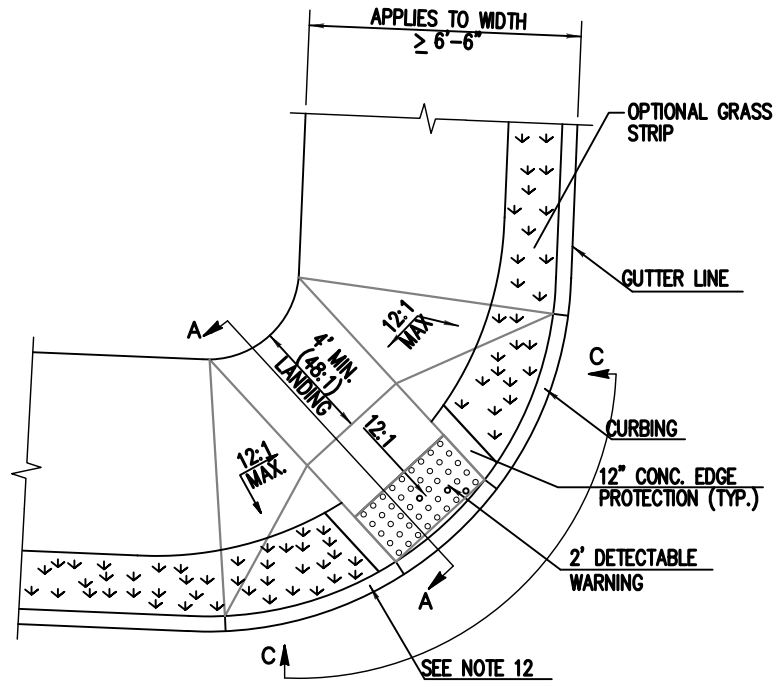
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ENGINEERING DEPT.

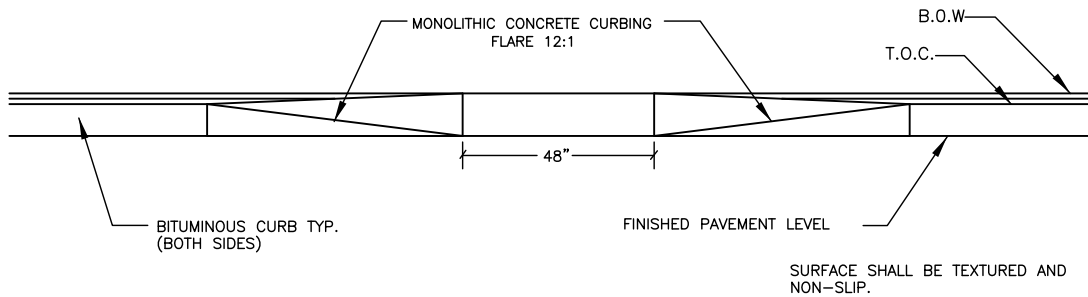
CONCRETE SIDEWALK
HANDICAP RAMP (TYPE 3)

SCALE: NONE

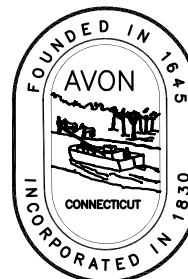
DATE: 1/3/18



DIAGONAL SIDEWALK RAMP (TYPE 4a)



SW-5



TOWN OF AVON

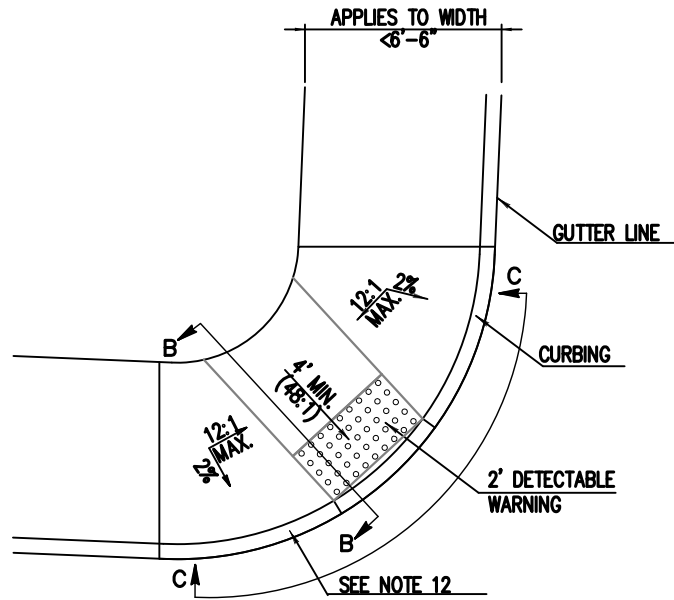
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ENGINEERING DEPT.

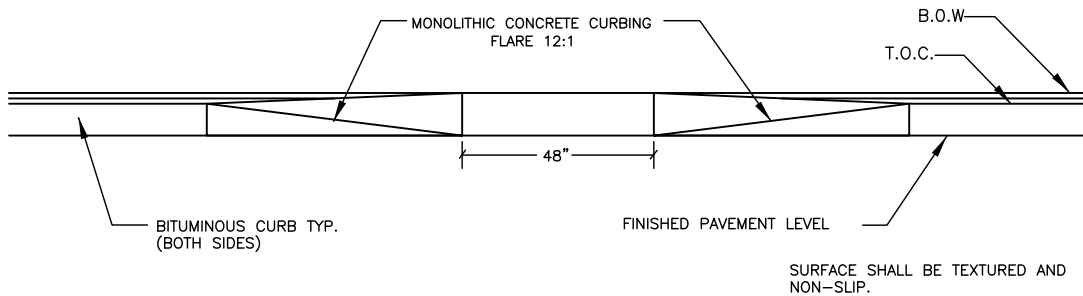
CONCRETE SIDEWALK
HANDICAP RAMP

SCALE: NONE

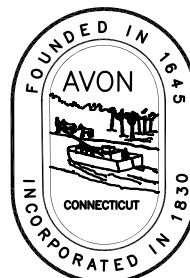
DATE: 1/3/18



DIAGONAL/PARALLEL SIDEWALK RAMP (TYPE 4b)



SW-6



TOWN OF AVON

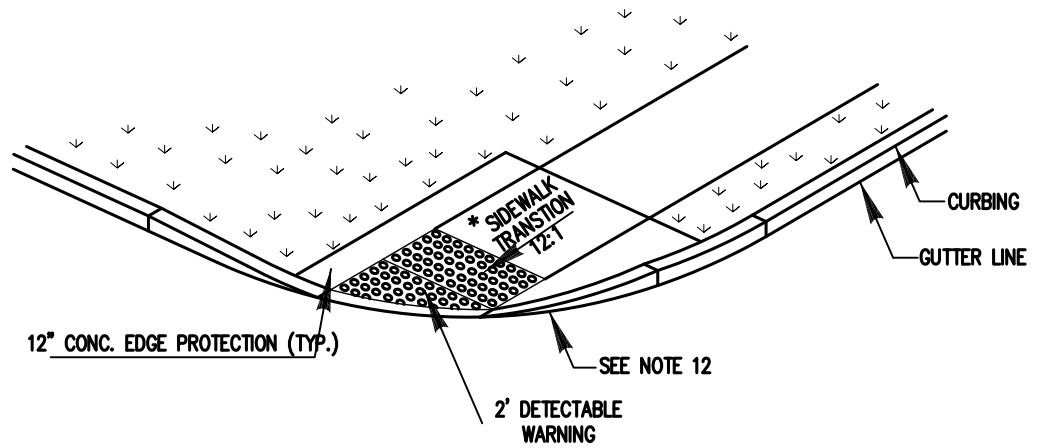
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ENGINEERING DEPT.

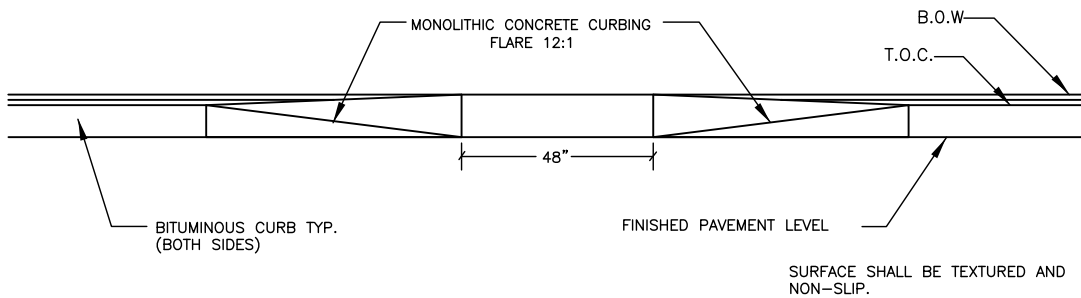
CONCRETE SIDEWALK
HANDICAP RAMP

SCALE: NONE

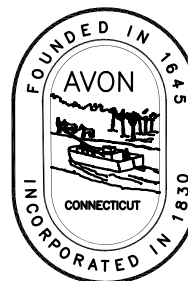
DATE: 1/3/18



DIAGONAL SIDEWALK RAMP (TYPE 4c)



SW-7



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

CONCRETE SIDEWALK
HANDICAP RAMP

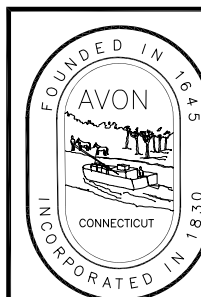
SCALE: NONE

DATE: 1/3/18

GENERAL NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "F" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS ARTICLE M.03.01.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSABLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADAAG SECTION 4.5.
5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 2' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. RAISED ISLANDS IN MARKED CROSSINGS SHALL HAVE SIDEWALK RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 4' LONG BETWEEN THE RAMPS. IF THIS CAN NOT BE ACHIEVED, THE RAISED ISLAND SHALL BE CUT THROUGH LEVEL WITH THE ROADWAY AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED AND PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK", INCLUDING CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP AND DETECTABLE WARNING STRIPS.
10. CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF FORM 818 SECTIONS 8.11 AND 8.13.
11. HANDICAP RAMPS CONFORMING WITH CONNECTICUT GENERAL STATUTES, SEC. 7-118a, SHALL BE INCORPORATED IN ALL PROPOSED SIDEWALKS AT ALL STREET INTERSECTIONS, AND AT ALL OTHER LOCATIONS WHERE THE GRADE OF A DRIVEWAY OR OTHER FACILITY TAKES PRECEDENCE OVER THE GRADE OF THE PROPOSED SIDEWALK.
12. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
13. INSTALL THE EDGE OF THE DETECTABLE WARNING 6" FROM THE EDGE OF ROAD.
14. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID. IN THE DIRECTION OF PEDESTRIAN TRAVEL.

SW-8



TOWN OF AVON

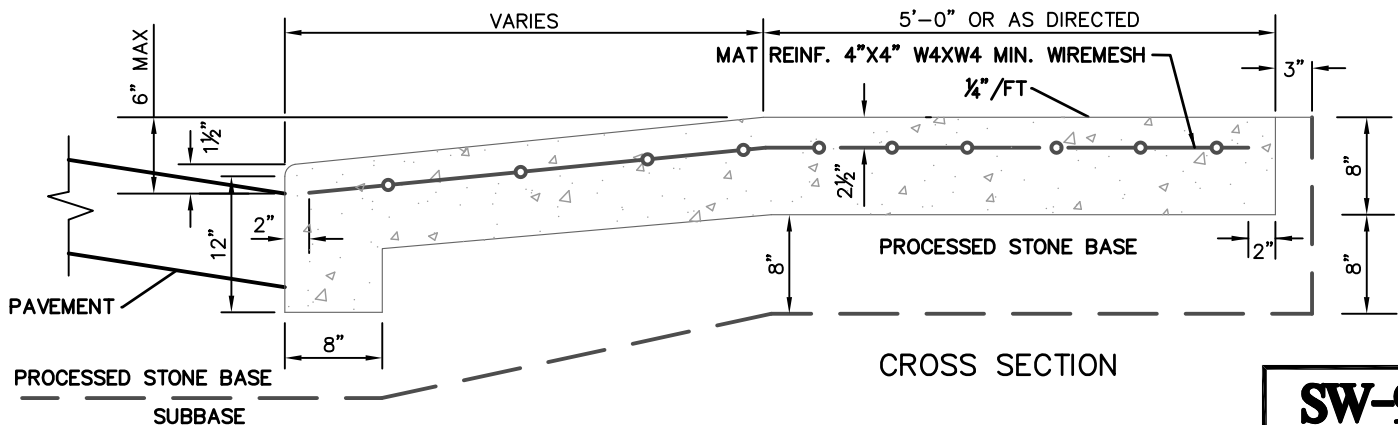
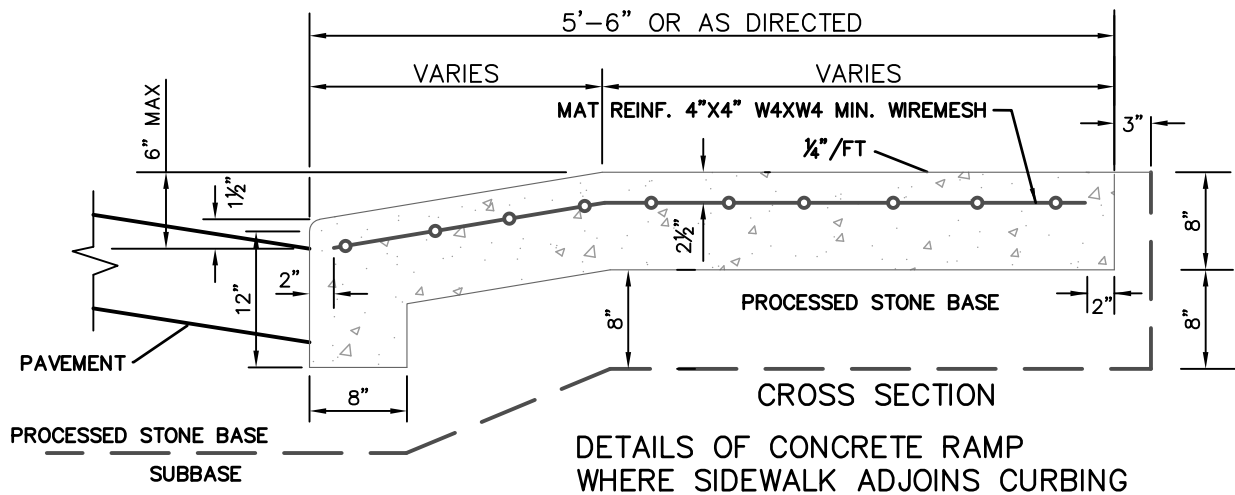
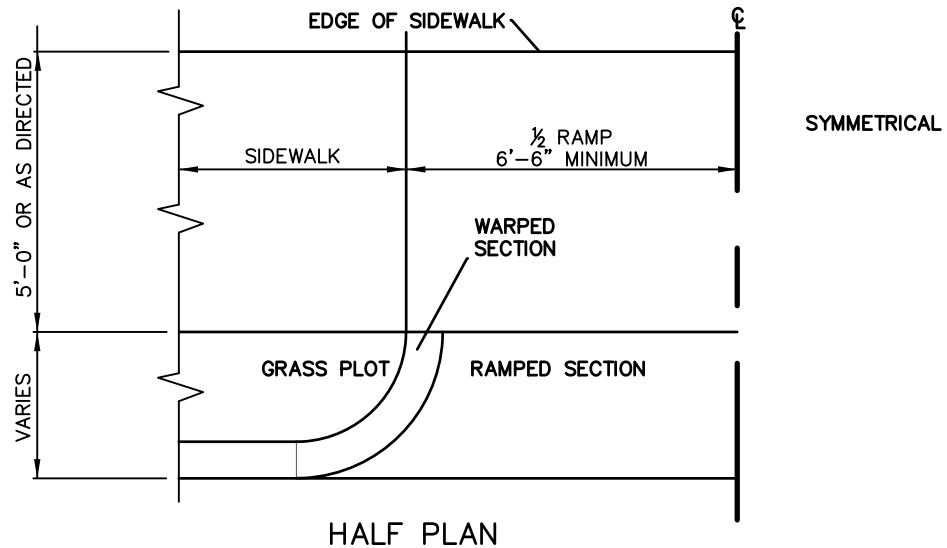
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

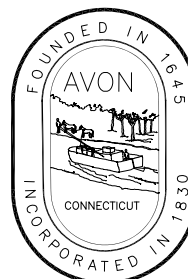
CONCRETE SIDEWALK
HANDICAP RAMP NOTES

SCALE: NONE

DATE: 1/3/18



SW-9



TOWN OF AVON

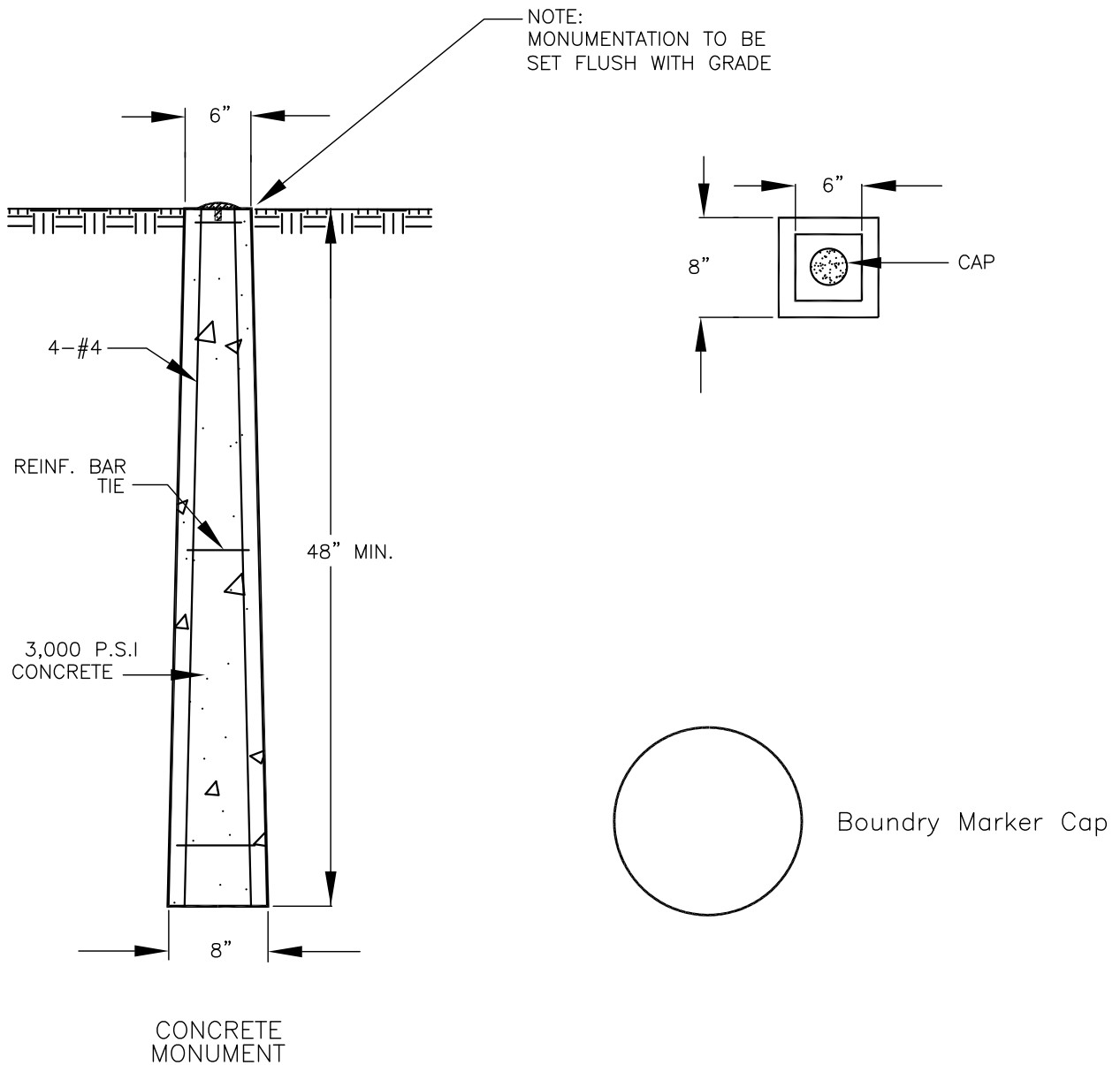
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

CONCRETE DRIVEWAY RAMP

SCALE: NONE

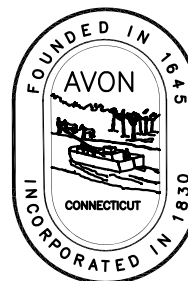
DATE: 3/3/22



NOTES:

1. Concrete to be 3000 p.s.i.
2. Reinforcement to be #4 deformed bars for vertical and ties.
3. Cut granite merestones of the equialent dimensions may be used as alternative to reinforced concrete merestone.
4. Cap should be brass or bronze.

M-1



TOWN OF AVON

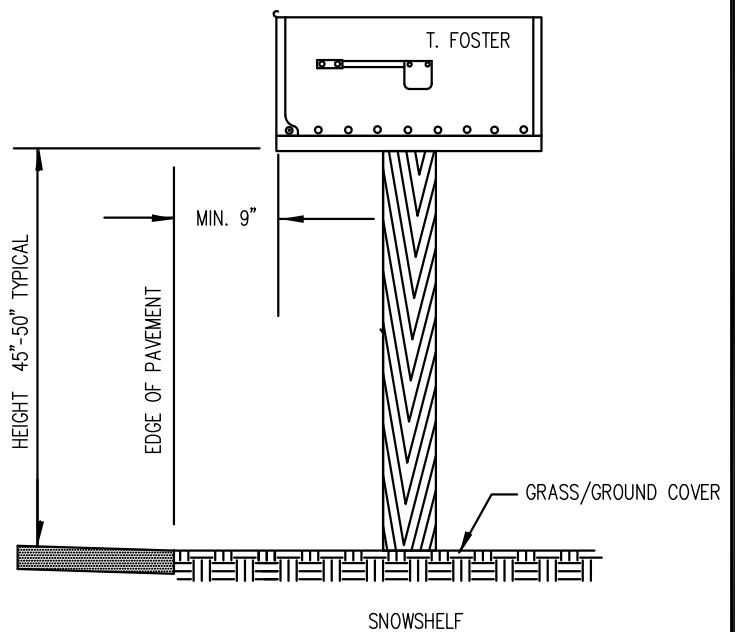
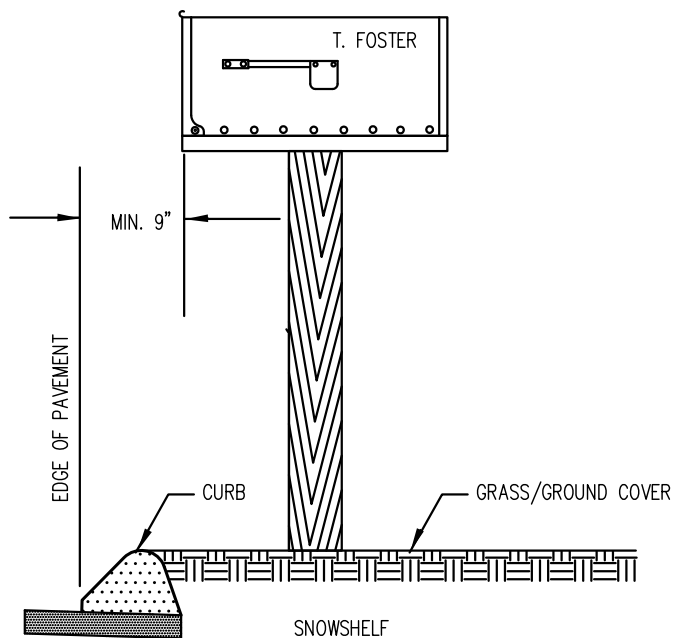
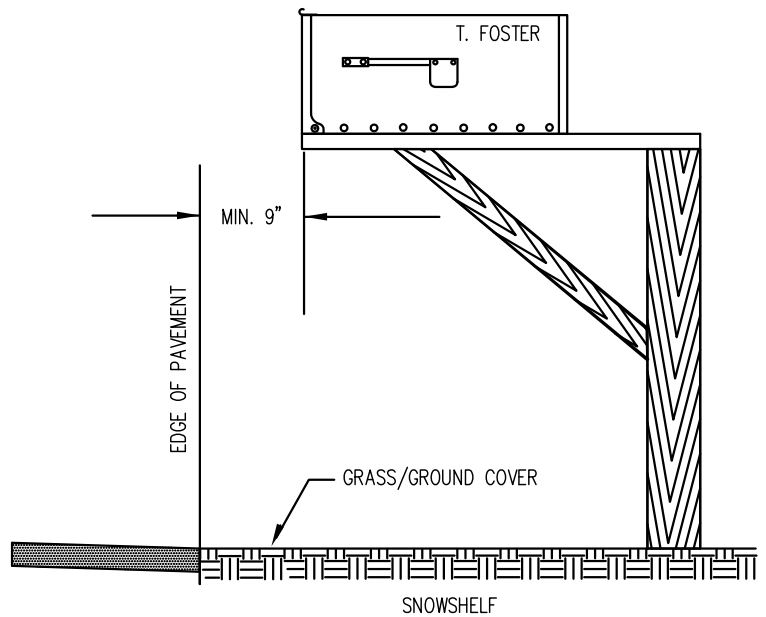
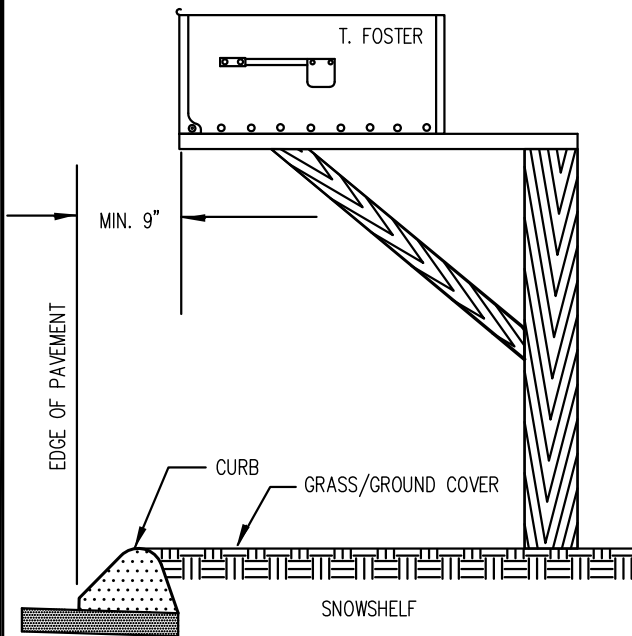
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

STANDARD TOWN OF AVON
MERESTONE

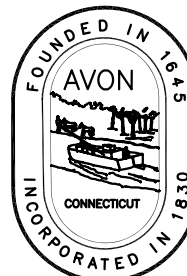
SCALE: NONE

DATE: 1/3/18



M-2

SUGGESTED METHODS FOR
INSTALLATION OF MAILBOX



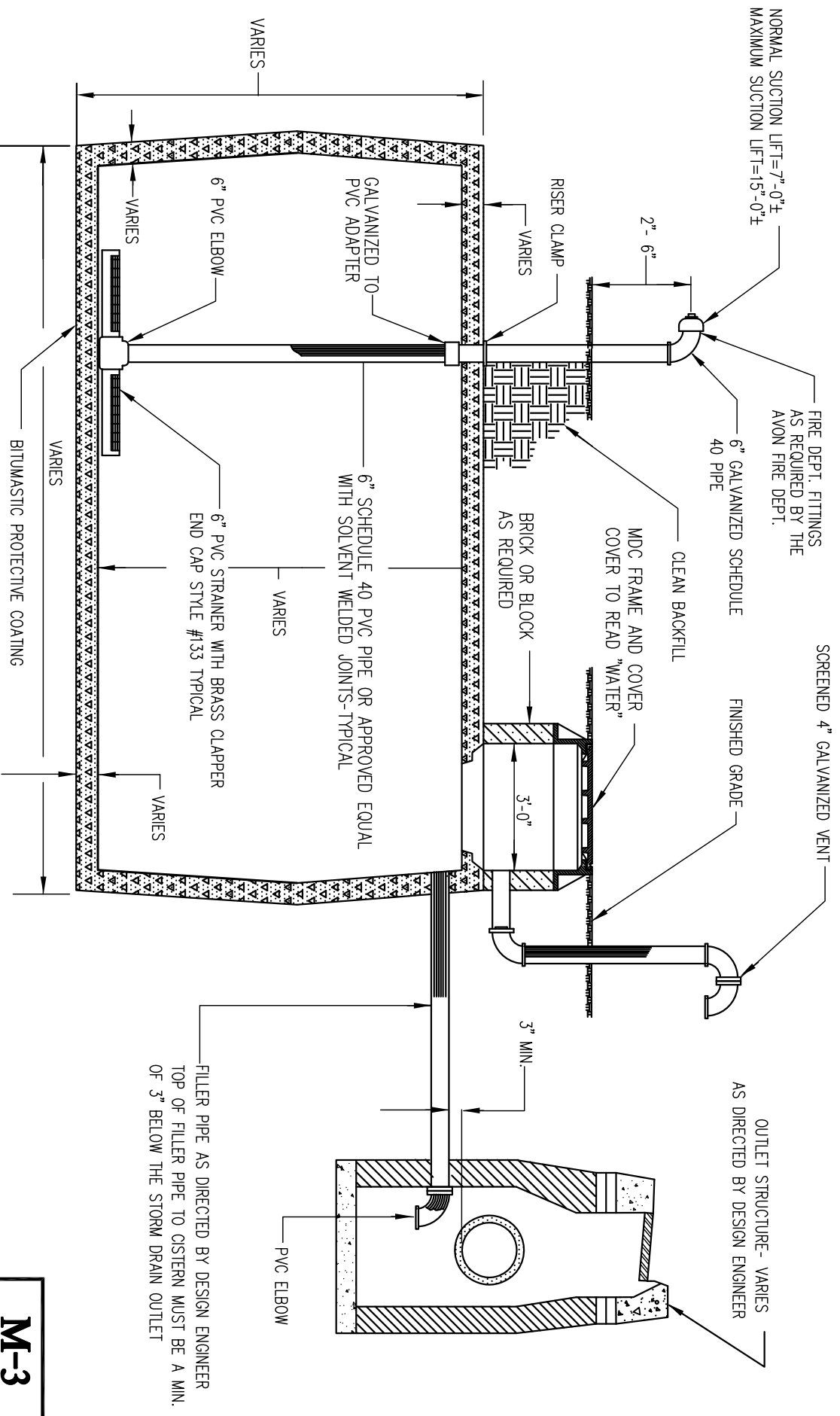
TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

MAILBOX LOCATIONS

SCALE: NONE

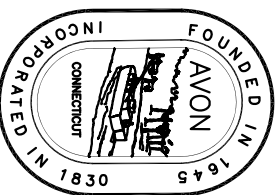
DATE: 1/3/18



M-3

NOTES:

- 1) PIPE P.V.C. STRAINER AND CONNECTION ELBOW AVAILABLE FROM HEIMAN FIRE EQUIPMENT CO., ASHTON, IOWA, 51232 (712) 724-8212, 1-800-831-8547
- 2) TANK SHALL PASS A LEAKAGE TEST OF NOT MORE THAN 1/8" OF WATER PER DAY AFTER INSTALLATION AND BACKFILLED
- 2) SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE TOWN ENGINEER AND OR FIRE MARSHALL PRIOR TO ANY FABRICATION.

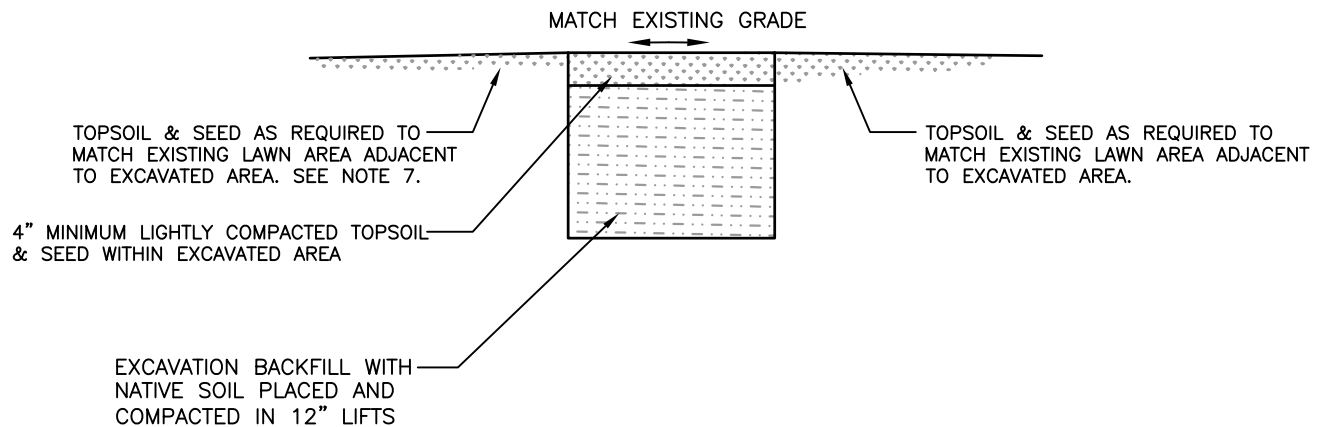


TOWN OF AVON
60 WEST MAIN STREET AVON, CONN.
ENGINEERING DEPT.

FIRE PROTECTION
CISTERN DETAIL

SCALE: NONE

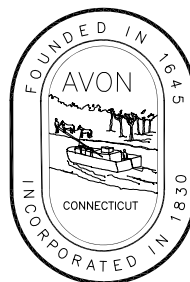
DATE: 1/3/18



NOTES:

1. LAWN AREA RESTORATION IS TO RESULT IN AS-GOOD OR BETTER LAWN AREA AT THE COMPLETION OF THE WORK.
2. THE PERMIT BOND MUST REMAIN IN PLACE UNTIL TOWN STAFF HAVE APPROVED THE RESTORATION QUALITY.
3. IT IS THE PERMIT HOLDER'S RESPONSIBILITY TO REPAIR OR REPLACE UNDERGROUND FACILITIES SUCH AS PET FENCES AND IRRIGATION SYSTEMS IMPACTED BY THE PROJECT TO THE SATISFACTION OF THE ADJUTING PROPERTY OWNER.
4. SPECIFICATIONS FOR THE TOPSOIL, SEED AND RESTORATION ARE TO COMPLY WITH CTDOT FORM 818 M.13 AS AMENDED.
5. IN LOCATIONS WHERE TRENCHING IS WITHIN FORESTED OR OTHER GROUND CONDITIONS, TOWN ENGINEERING STAFF WILL DETERMINE THE RESTORATION MATERIAL REQUIREMENTS.
6. IF WORK IS DONE OUTSIDE OF THE SPRING AND FALL GROWING SEASONS, THE ENGINEERING DEPARTMENT MAY REQUIRE THE PERMIT HOLDER TO RETURN TO THE SITE AND RE-SEED DURING THE PEAK GROWING SEASONS.

M-4



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

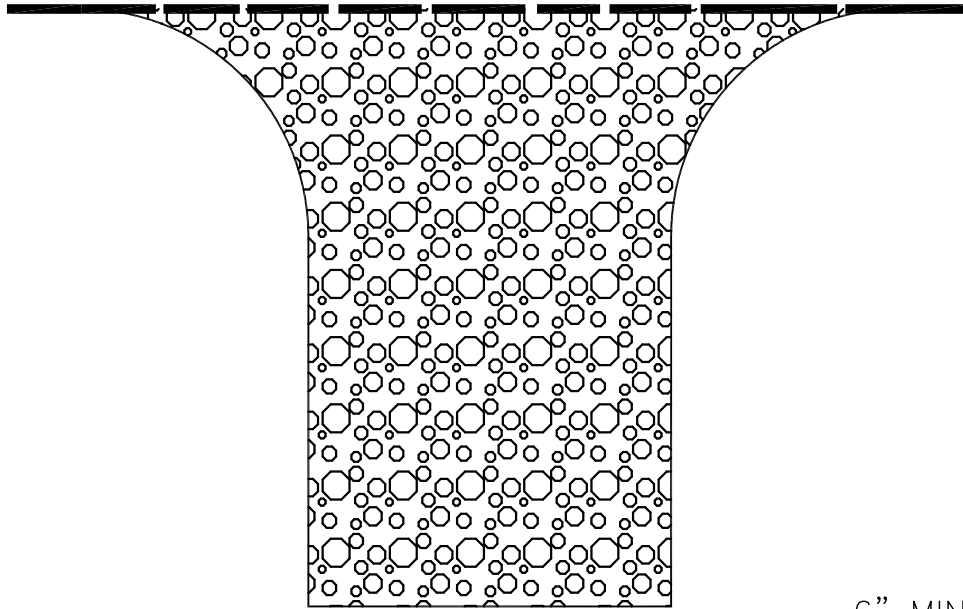
ENGINEERING DEPT.

**NON-PAVEMENT RESTORATION
DETAIL**

SCALE: NONE

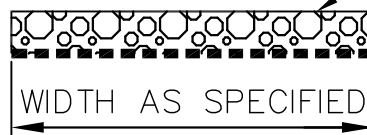
DATE: 7/13/23

EXISTING PAVEMENT



PLAN

6" MINIMUM CONN.
DOT 2" STONE



FILTER FABRIC

WIDTH AS SPECIFIED

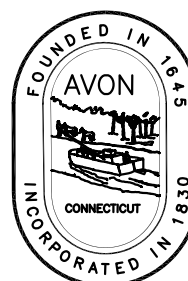
ON PLAN

SECTION

NOTES:

1. The purpose of a stabilized construction entrance is to reduce the tracking or flowage or sediment onto existing pavement.
2. Before construction entrance installation, the area of the entrance should be cleared of all vegetation, roots and other undesirable material.
3. The entrance should be maintained in a condition which will prevent tracking or flowing of sediment onto existing pavement. This will require periodic top dressing with additional stone or additional length as conditions require.

E-1



TOWN OF AVON

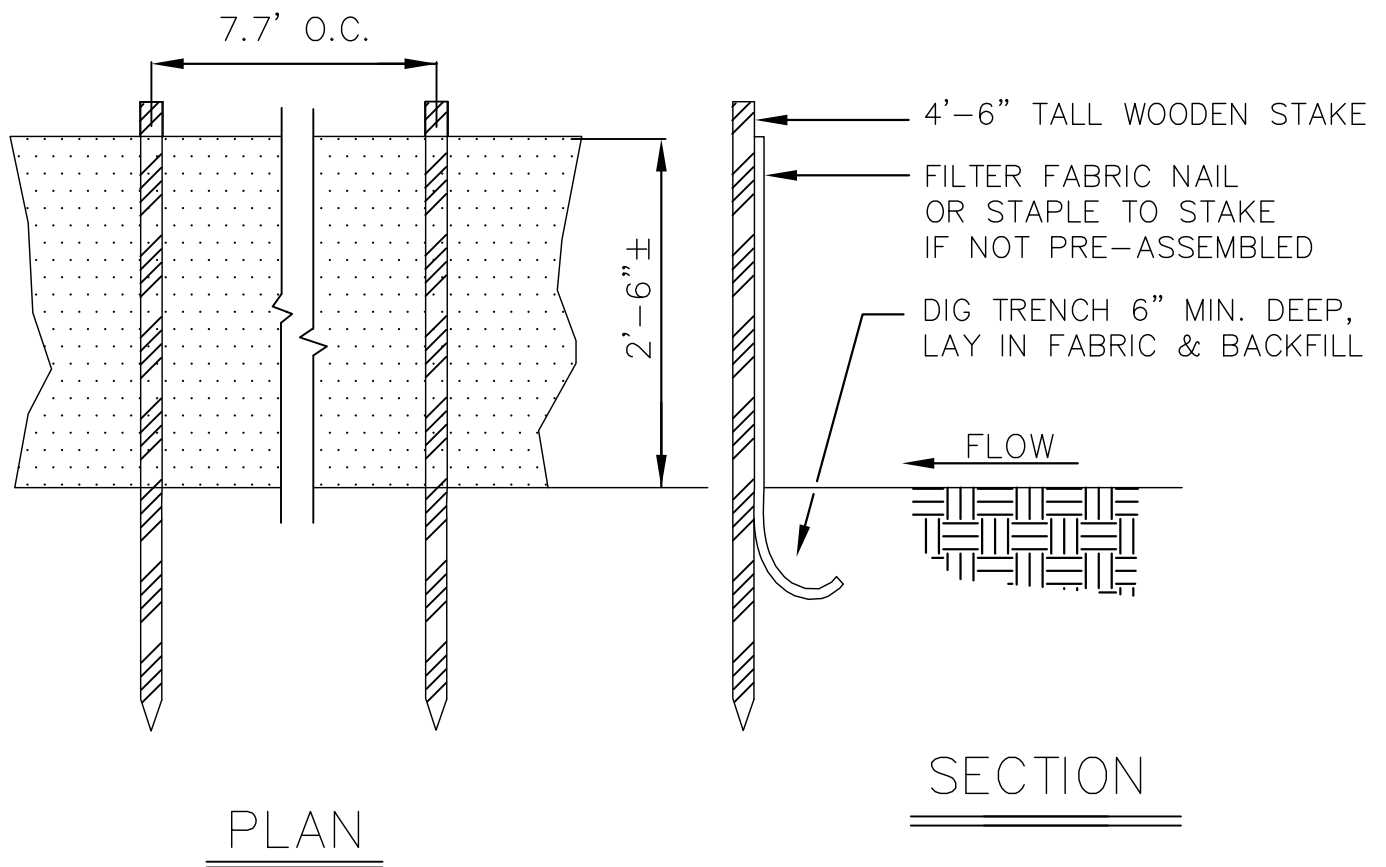
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

CONSTRUCTION ENTRANCE PAD

SCALE: NONE

DATE: 1/3/18



NOTE:

IF PRE-ASSEMBLED SYSTEM IS USED, DIMENSIONS MAY VARY WITH MANUFACTURER.

E-2



TOWN OF AVON

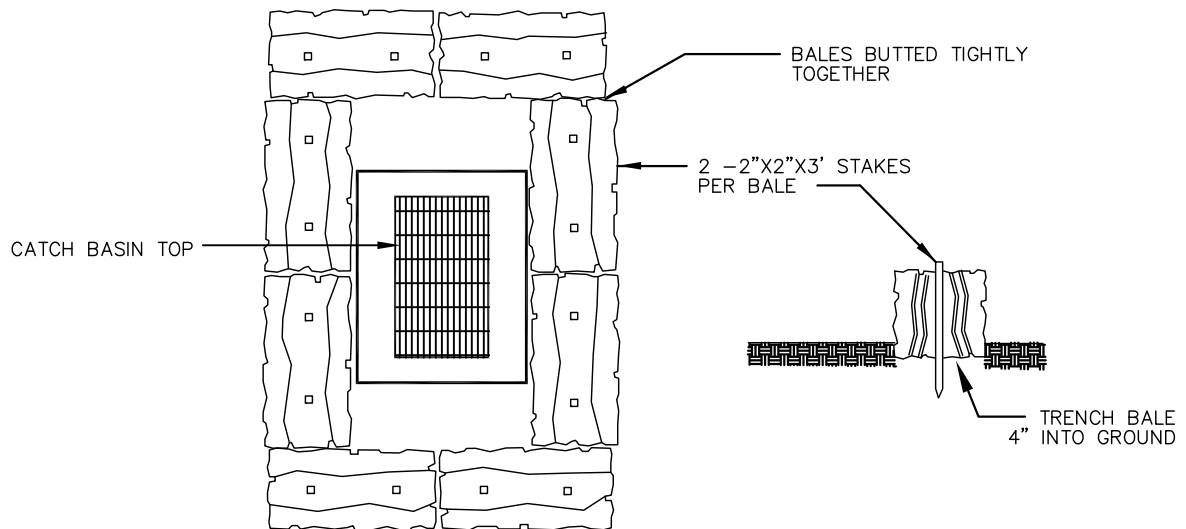
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

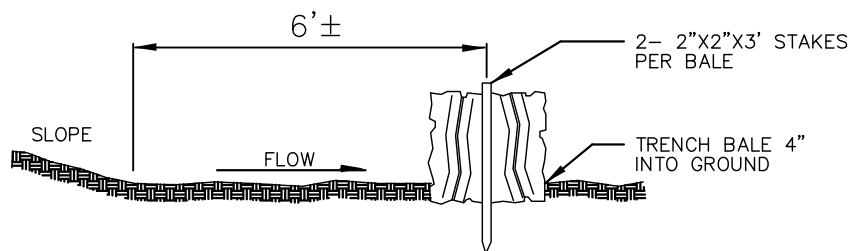
FILTER FABRIC FENCE

SCALE: NONE

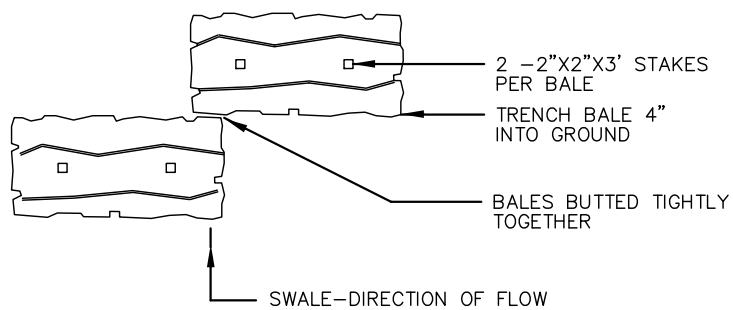
DATE: 1/3/18



HAY BALE BULKHEAD

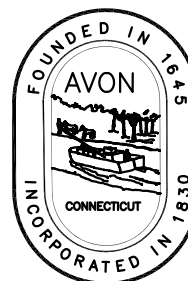


HAY BALES AT BASE OF SLOPE



HAY BALES ACROSS SWALE

E-3



TOWN OF AVON

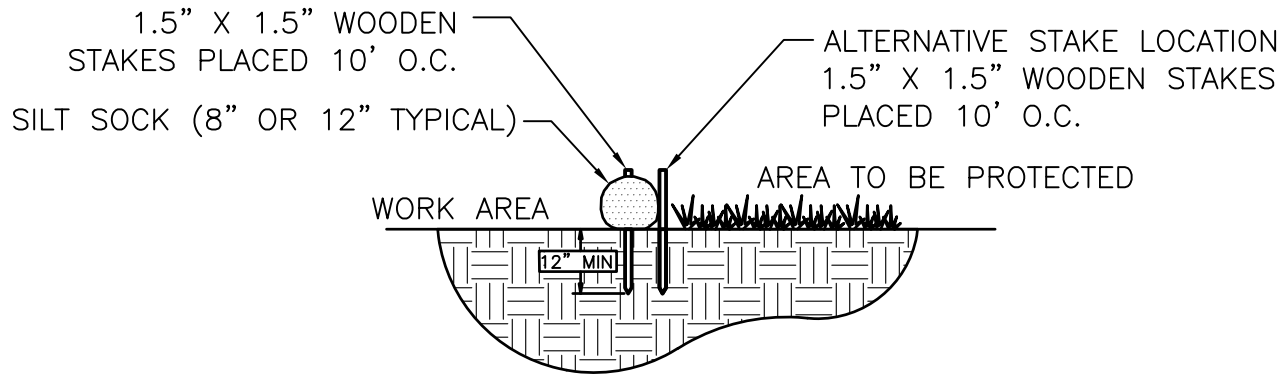
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

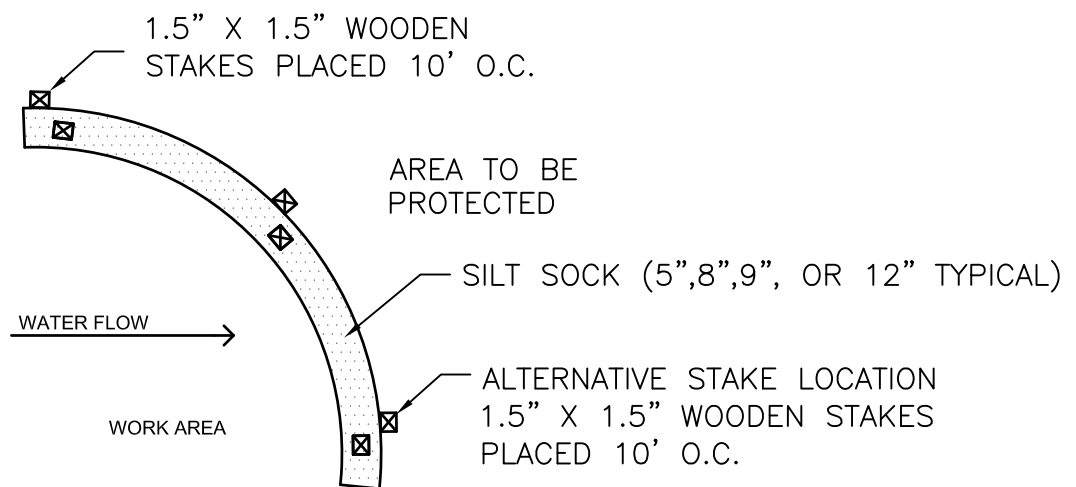
HAY BALES

SCALE: NONE

DATE: 1/3/18



SECTION



PLAN

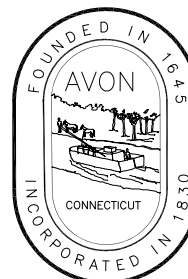
NOTES:

1. ALL MATERIAL TO MEET SPECIFICATIONS.
2. COMPOST SOCK FILL TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA MAY BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

STRAW WATTLE & COMPOST SOCK FOR SEDIMENT CONTROL

NTS

E-4



TOWN OF AVON

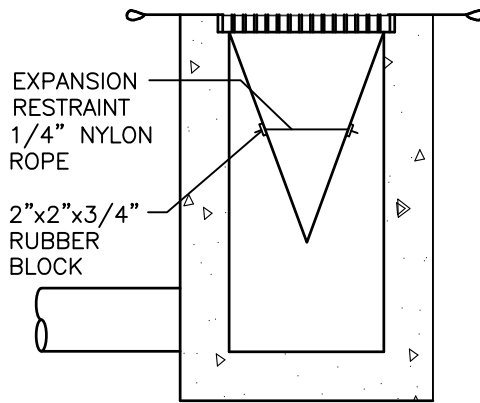
60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

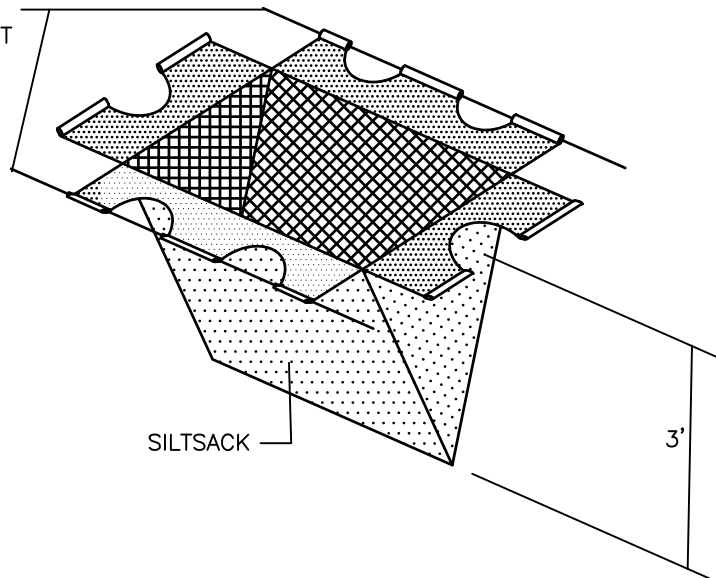
EROSION CONTROL SOCK
DETAIL

SCALE: NONE

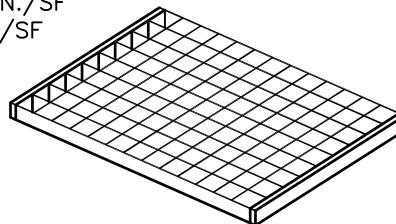
DATE: 1/6/22



1" REBAR FOR BAG
REMOVAL FROM INLET



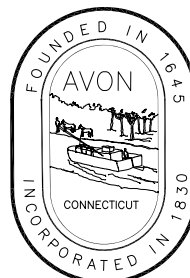
NOTE:
REGULAR FLOW = 40 GAL./MIN./SF
HIGH FLOW = 200 GAL./MIN./SF



SILT SACK DETAIL

NTS

E-5



TOWN OF AVON

60 WEST MAIN STREET AVON, CONN.

ENGINEERING DEPT.

SILT SACK DETAIL

SCALE: NONE

DATE: 3/3/22