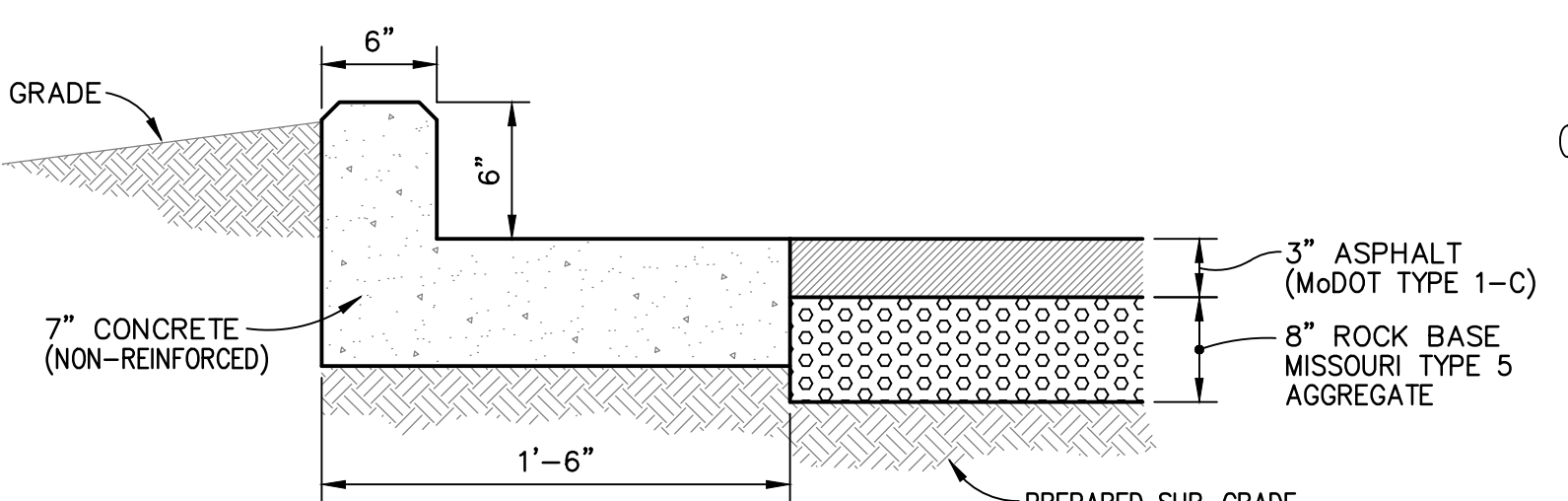


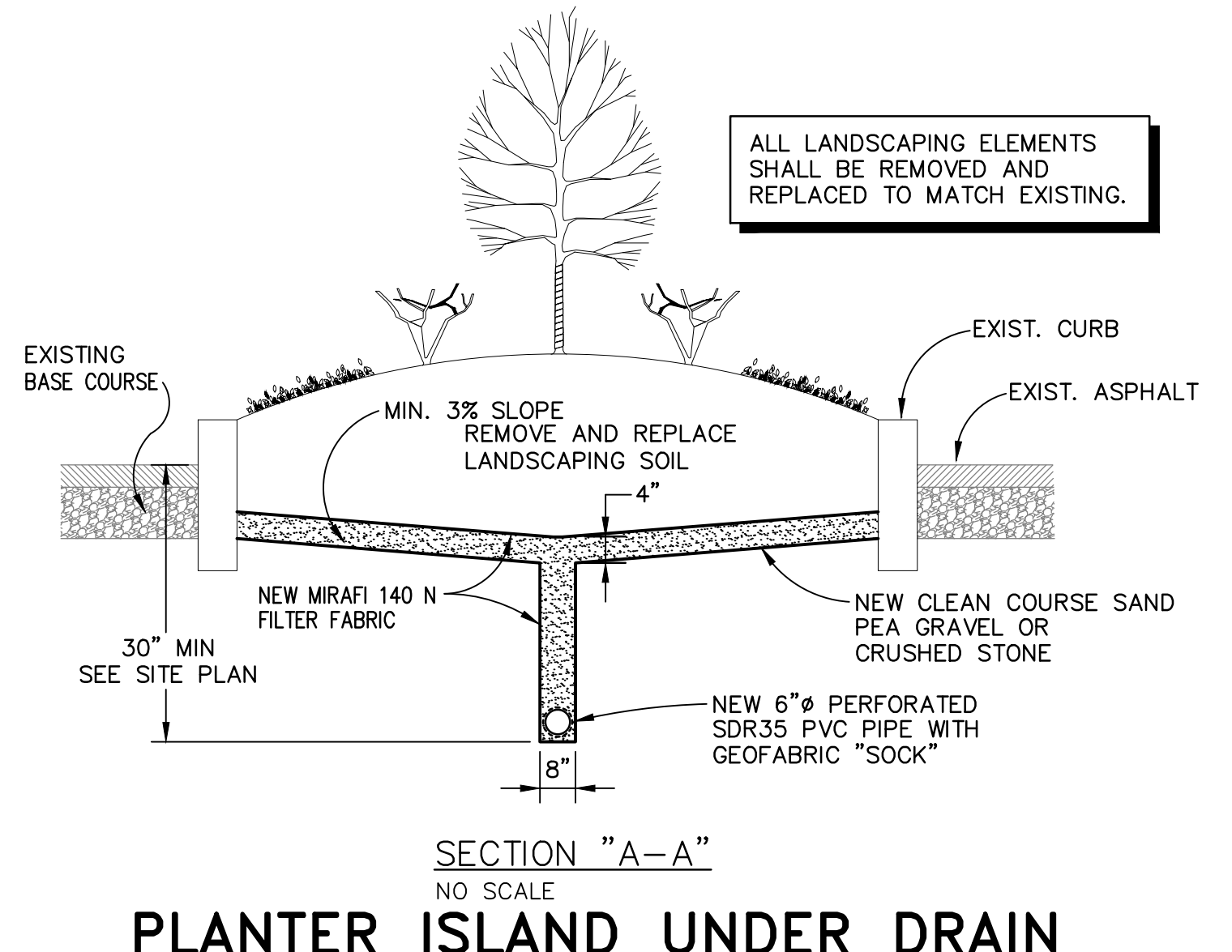
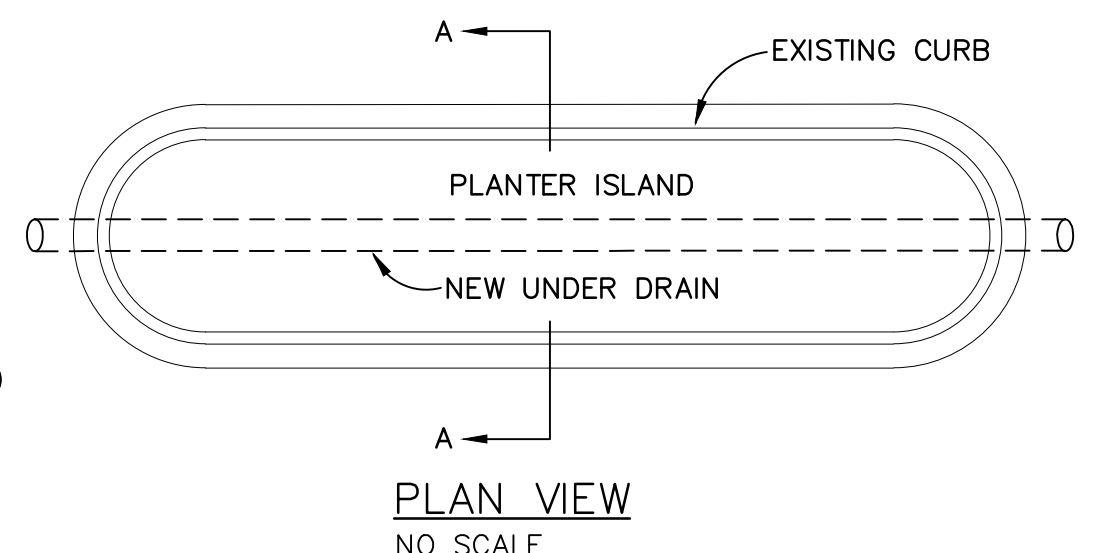
GENERAL NOTES:
 1. AREAS NOTED AS SHOWING ALLIGATOR CRACKING SHALL BE SAWCUT FULL DEPTH AT A MINIMUM OF 1'-0" BEYOND THE CRACKED AREA. THE SAWCUT AREA SHALL BE RECTANGULAR IN SHAPE WITH VERTICAL FACES. SUBGRADE SOIL SHALL BE COMPACTED TO 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D698. THE ASPHALT AND AGGREGATE BASE MATERIAL SHALL BE REMOVED AND REPLACED. REPLACEMENT AGGREGATE BASE SHALL BE 8" THICK MINIMUM AND COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D698. APPLY EMULSIFIED ASPHALT TACK COAT TO VERTICAL SAWCUT FACES OF ASPHALT PAVEMENT. CONTRACTOR SHALL PROTECT EXISTING PAVEMENT, CURBS OR SIDEWALKS FROM OVER SPRAY OF TACK COAT. PLACE FULL DEPTH ASPHALT PATCH IN LIFTS NOT TO EXCEED 6". UNLESS NOTED OTHERWISE, THE SURFACE OF THE PATCH SHALL BE FLUSH WITH EXISTING SURROUNDING PAVEMENT UPON COMPLETION.

FULL DEPTH ASPHALT PATCHING DETAIL
 1/2" = 1'-0"



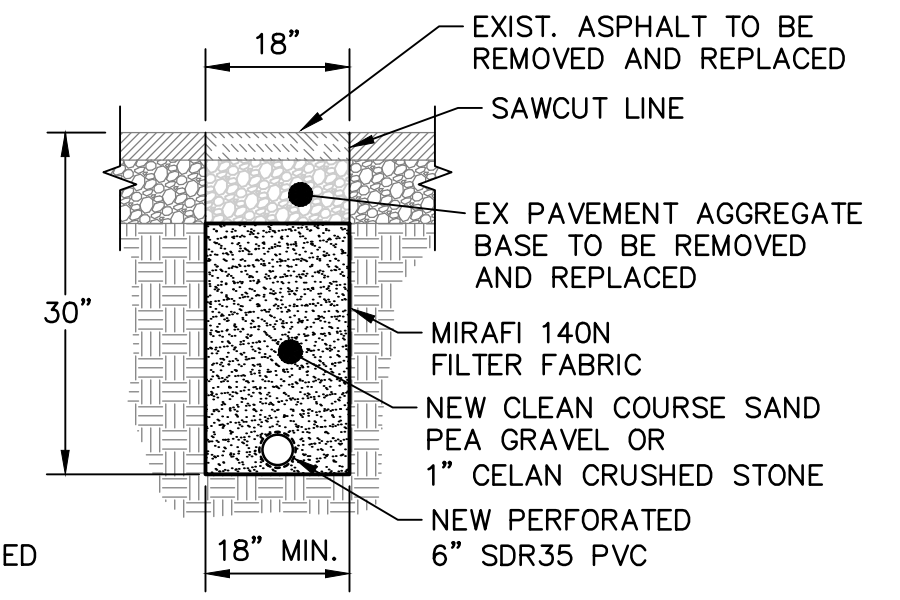
NOTES:
 1. ALL CONCRETE SHALL BE MIN. FC.=4000 P.S.I. (UNLESS OTHERWISE NOTED)
 2. ANY UNSUITABLE SOIL (AS DETERMINED BY SOILS ENGINEER) BELOW STRUCTURE SHALL BE REMOVED AND REPLACED WITH SELECT EARTHEN MATERIAL COMPACTED IN PLACE WITH VIBRATORY TAMPER.
 3. ALL EXPOSED CONCRETE EDGES TO HAVE 3/4" CHAMFER.
 4. DIMENSIONS SHOWN ARE TO FACE OF CURB.

CURB & PAVEMENT DETAIL

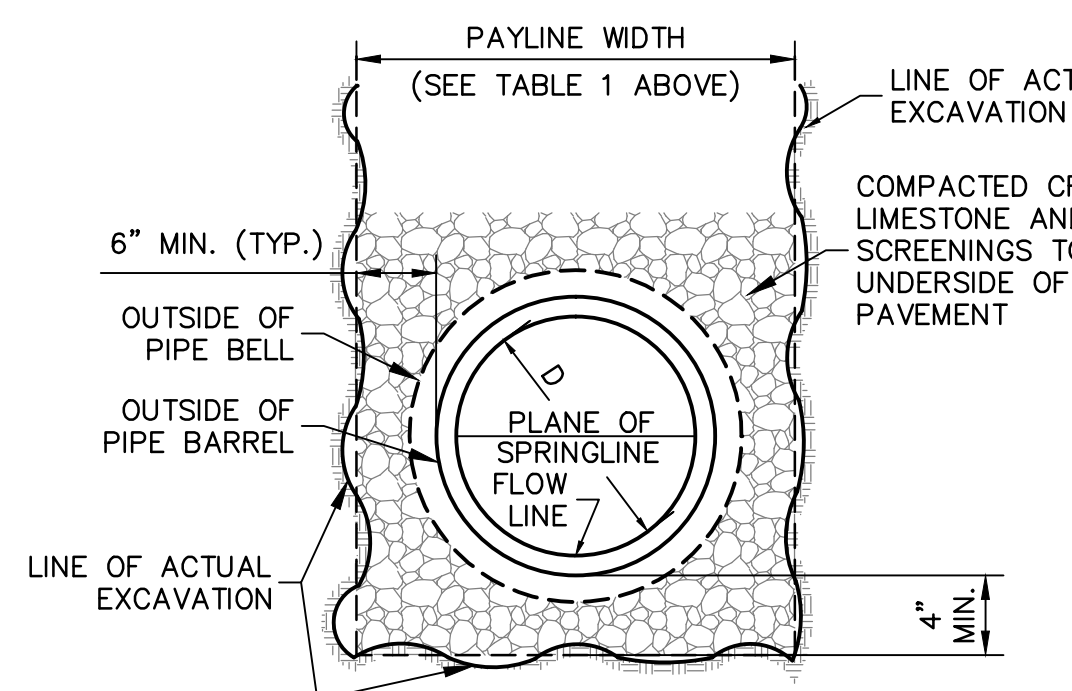


ALL LANDSCAPING ELEMENTS SHALL BE REMOVED AND REPLACED TO MATCH EXISTING.

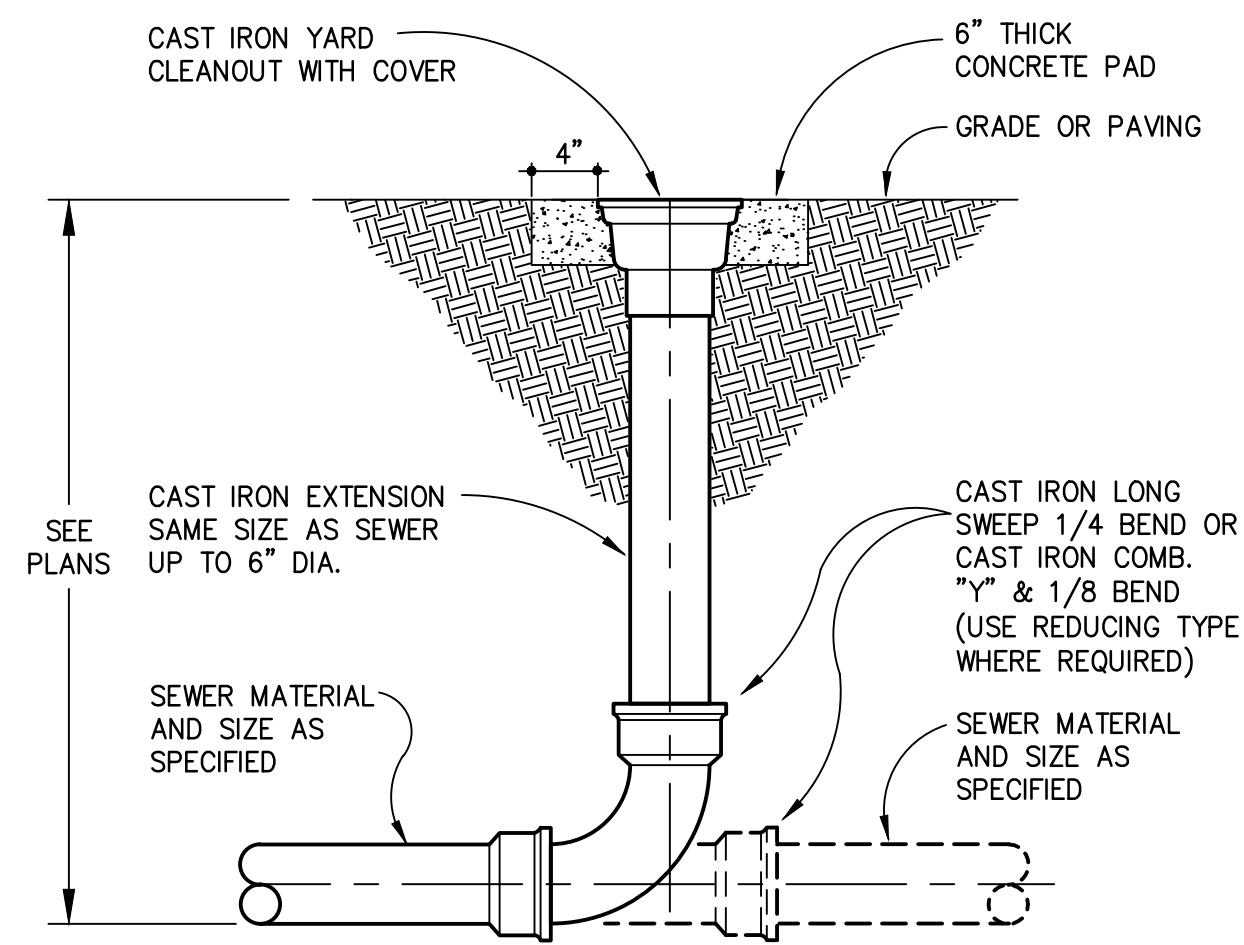
PLANTER ISLAND UNDER DRAIN
 NO SCALE



DRAILTILE UNDER PAVEMENT
 TYPICAL SECTION
 NO SCALE

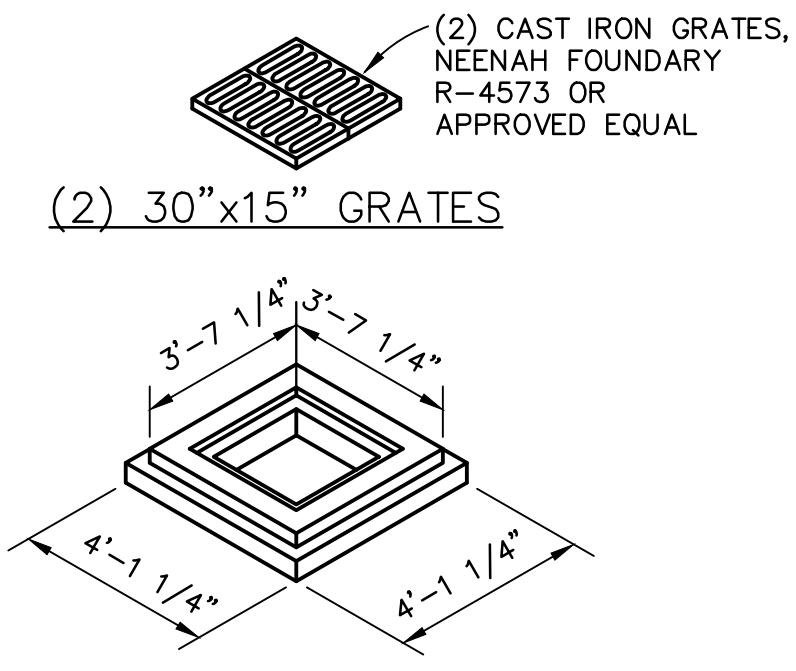


PIPE BEDDING
 NO SCALE

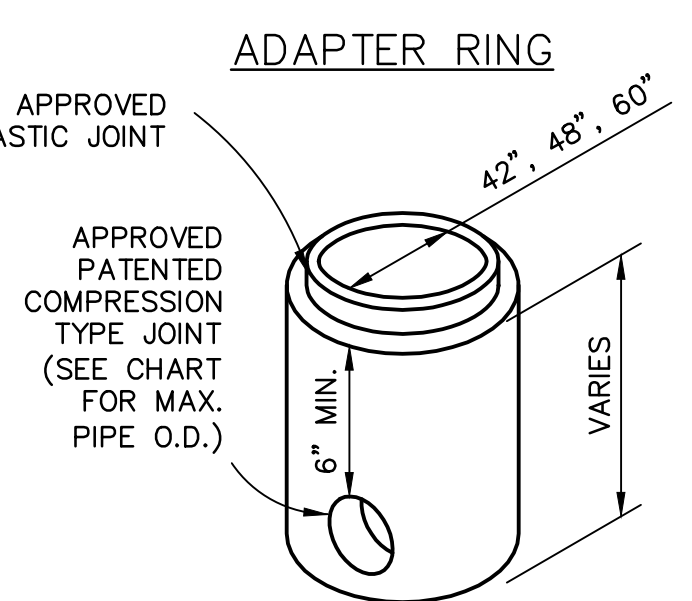
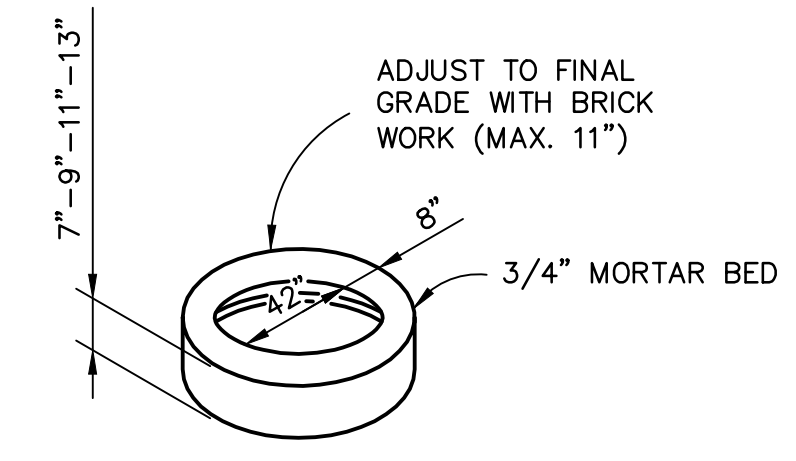


NOTES:
 1. CLEANOUT SHALL BE: JOSAM COMPANY OR APPROVED EQUAL GRAY-IRON, ASME A112.36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORiated, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.
 2. TOP-LOADING CLASSIFICATION: HEAVY DUTY.
 3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM D 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.

CLEANOUT DETAIL
 NO SCALE

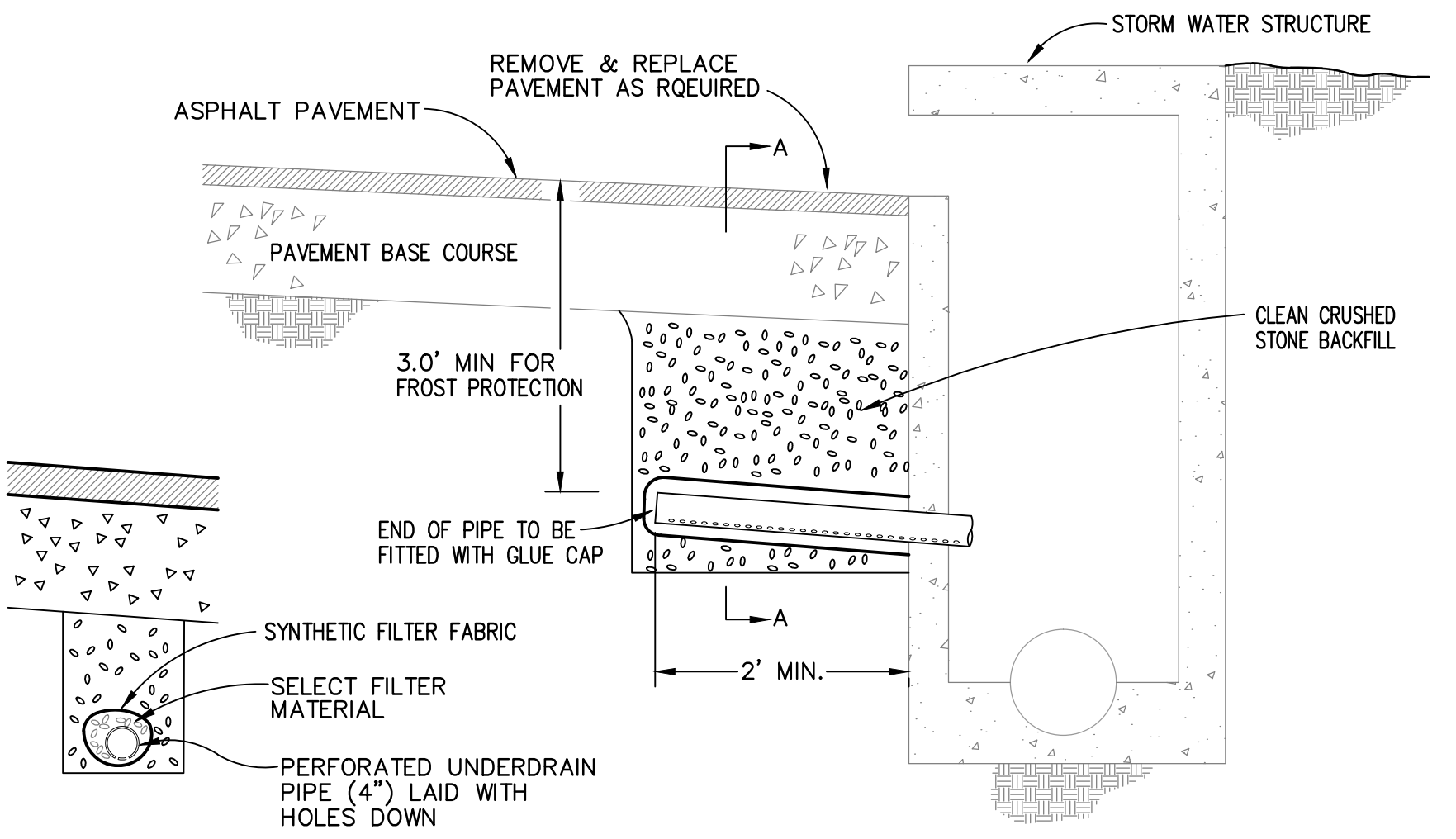


(2) GRATE INLET SEAT



(2) GRATE INLET MANHOLE BASE

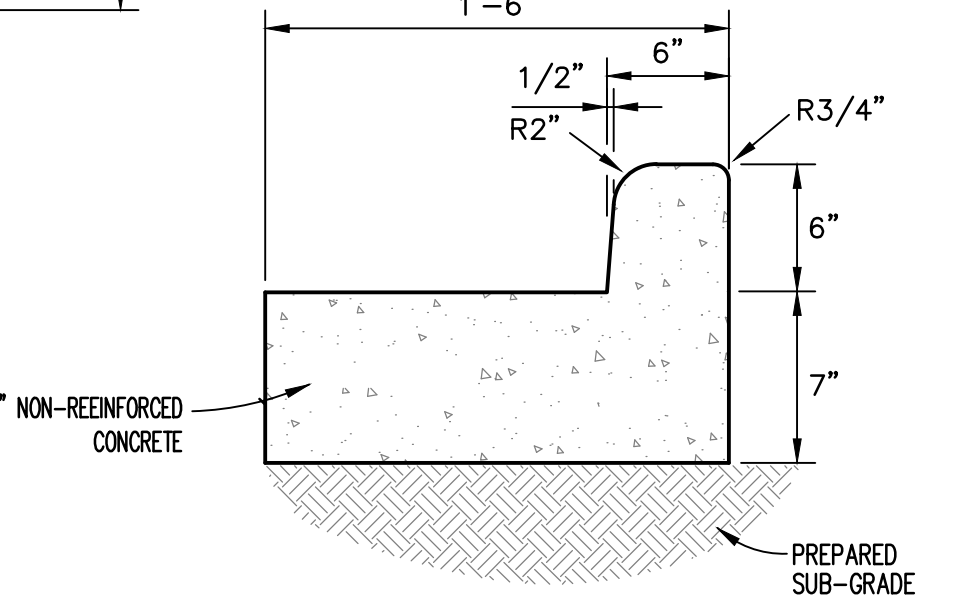
PRECAST CONCRETE (2) GRATE INLETS
 1/4" = 1'-0"



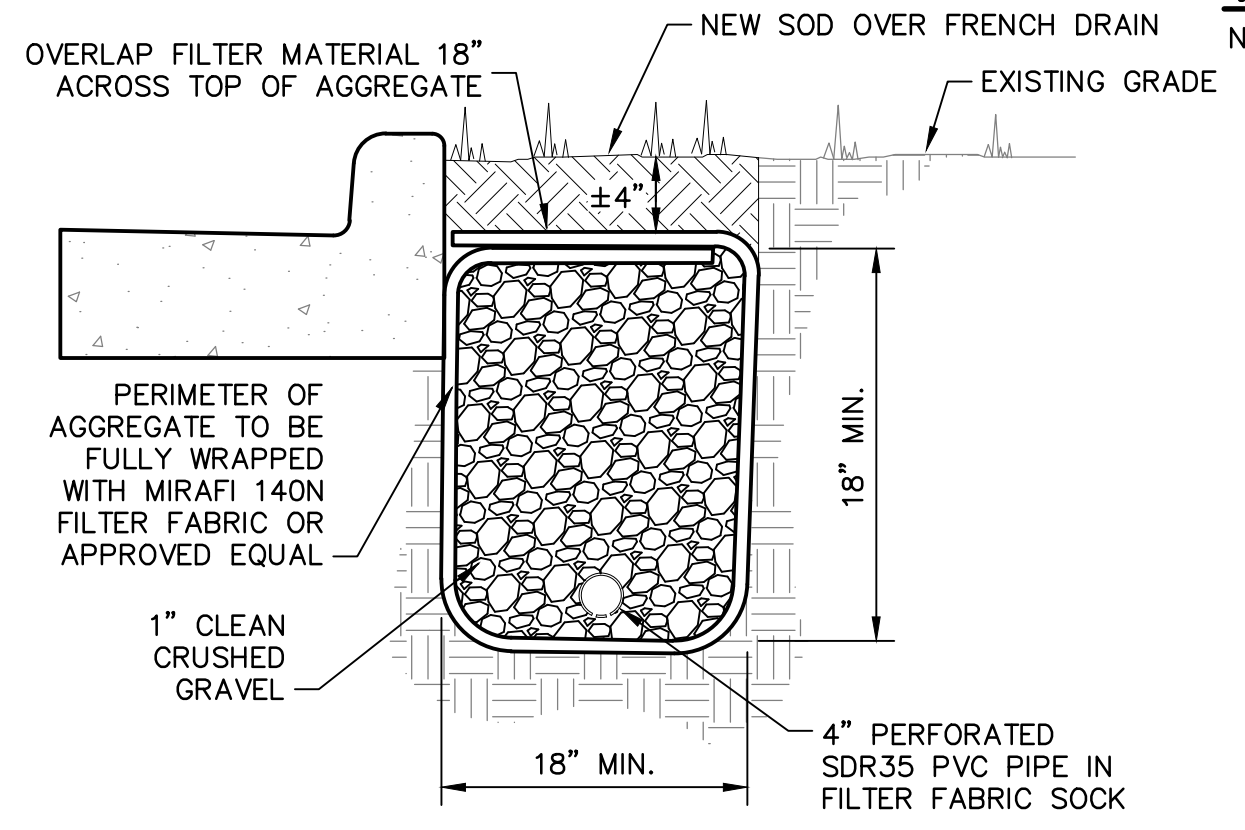
SECTION "A-A"
 NO SCALE

NOTES:
 1. STUB-OUT AGGREGATE DRAINS SHALL BE INSTALLED AT ALL STORM WATER INLET STRUCTURES.
 2. FOUR DRAINS TO BE INSTALLED AT GRATE INLET LOCATIONS - TWO ON EACH UPGRADIENT SIDE.
 3. TWO DRAINS AT CURB INLET LOCATIONS.

STUB DRAIN
 NO SCALE

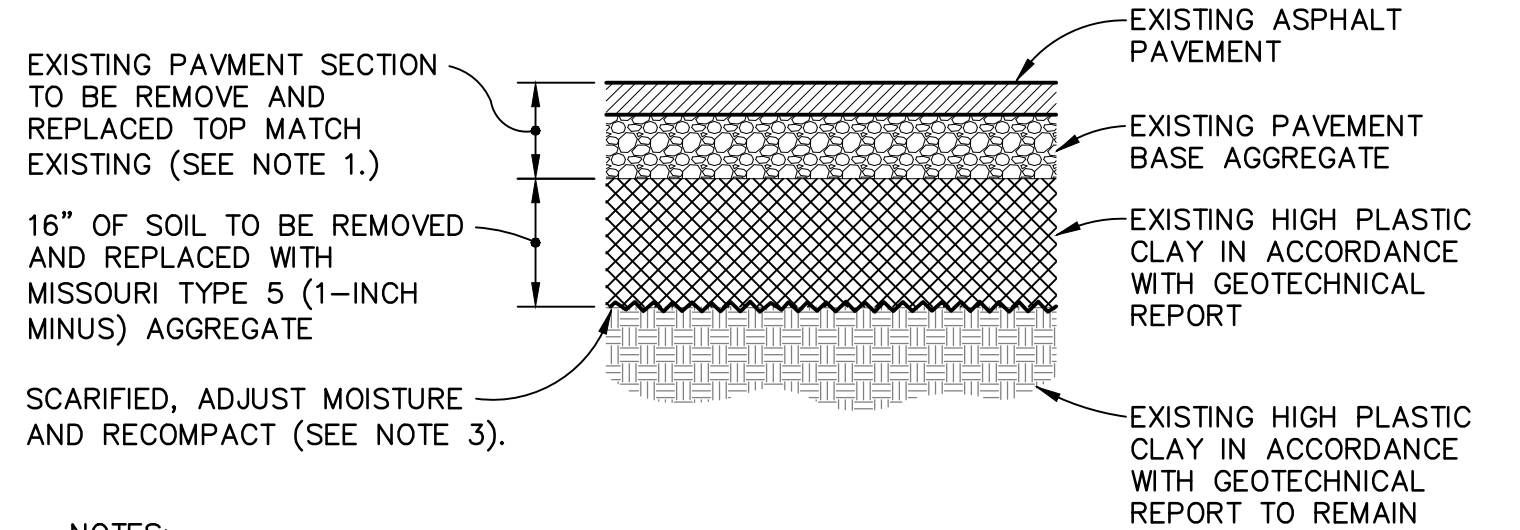


INTEGRAL CURB & GUTTER DETAIL
 NO SCALE



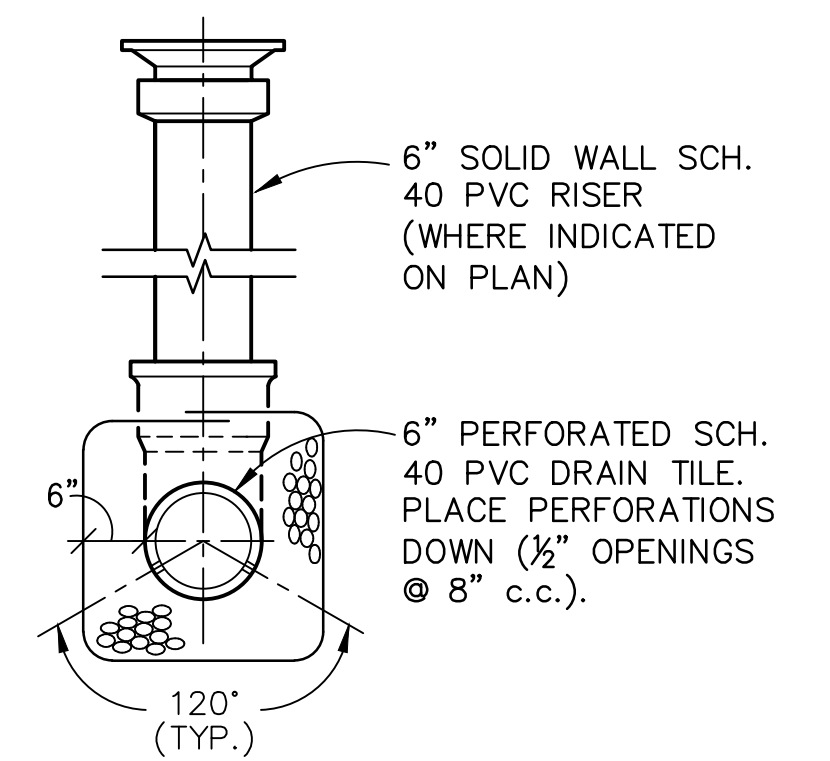
NOTE:
 1. SLOPE TO PROVIDE POSITIVE DRAINAGE TO STORM SEWER.
 2. WRAP FILTER FABRIC AROUND END OF DRAIN.

FRENCH DRAIN DETAIL
 NO SCALE



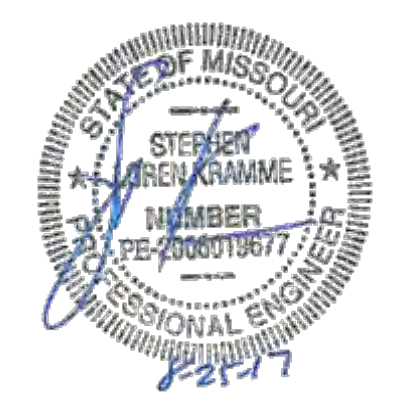
NOTES:
 1. NEW ASPHALT PAVEMENT SHALL BE A MINIMUM OF 3" OF TYPE C ASPHALT CONFORMING TO THE REQUIREMENTS OF THE ST LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC SPECIFICATIONS OVER A MINIMUM OF 8" OF 1-INCH MINUS AGGREGATE IN ACCORDANCE WITH MISSOURI TYPE 5 WITH A MAXIMUM OF 15% BY WEIGHT PASSING THE NO. 200 SIEVE.
 2. EXTENT OF HIGH PLASTIC SOIL REMOVAL SHOWN IS A MINIMUM AND SHALL BE VERIFIED ON SITE BY GEOTECHNICAL ENGINEER DURING CONSTRUCTION.
 3. BASE OF UNDERCUT SOIL SHALL BE SCARIFIED; MOISTURE ADJUSTED TO SUITABLE RANGE AND RECOMPACTED TO 95% OF STANDARD PROCTOR (ASTM D 698) MAXIMUM DRY DENSITY.

TYPICAL OVER-EXCAVATION FOR HEAVED PAVEMENT AREAS
 NO SCALE



PERFORATED PIPE DETAIL
 NO SCALE

SEAL:



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REV	DATE	DESCRIPTION	APPD

DATE ISSUED:	06/12/17
PROJ. NO.:	17008.01
ENGINEER:	SLK
DRAWN BY:	SLK
CHECKED BY:	SLK
DRAWING TITLE:	DETAILS

CIVIL

SHEET NO.: