

<u>GENERAL NOTES:</u> 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.

6" MIN. (TYP.)

OUTSIDE OF

PIPE BELL

OUTSIDE OF

PIPE BARREL

**EXCAVATION** 

LINE OF ACTUAL

0' 20' 40'

PAYLINE WIDTH

(SEE TABLE 1 ABOVE)

PLANE OF SPRINGLINE

PIPE BEDDING

FLOW

80'

120'

EXCAVATION

LIMESTONE AND

SCREENINGS TO

UNDERSIDE OF

7" NON-REEINFORCED —

CONCRETE

NO SCALE

PERIMETER OF

AGGREGATE TO BE

FULLY WRAPPED

WITH MIRAFI 140N

APPROVED EQUAL

1" CLEAN

CRUSHED

GRAVEL -

**PAVEMENT** 

### GRADE~ (MoDOT TYPE 1-C) 7" CONCRETE (NON-REINFORCED) 1'-6" 1. ALL CONCRETE SHALL BE MIN. FC.=4000 P.S.I. (UNLESS OTHERWISE NOTED) SELECT EARTHEN MATERIAL COMPACTED IN PLACE WITH VIBRATORY TAMPER.

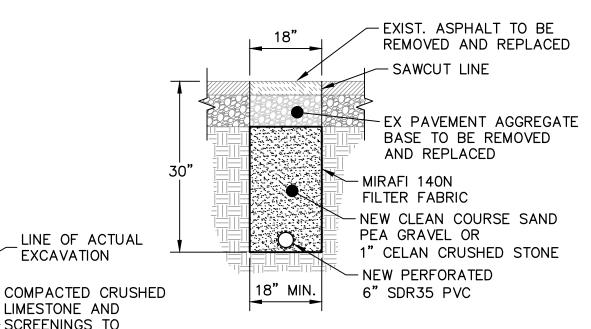
25' 50'

100'

### -8" ROCK BASE MISSOURI TYPE 5 AGGREGATE 2. ANY UNSUITABLE SOIL (AS DETERMINED BY SOILS ENGINEER) BELOW STRUCTURE SHALL BE REMOVED AND REPLACED WITH

3. ALL EXPOSED CONCRETE EDGES TO HAVE 3/4" CHAMFER. 4. DIMENSIONS SHOWN ARE TO FACE OF CURB.

## **CURB & PAVEMENT DETAIL**



TYPICAL SECTION

6"

NO SCALE

1'-6"

**INTEGRAL CURB & GUTTER DETAIL** 

# DRAILTILE UNDER PAVEMENT

30" MIN

SEE SITE PLAN

50' 100'

" ASPHALT

**EXISTING** 

BASE COURSE

200'

300'

A <del>-----</del>

NO SCALE

MIN. 3% SLOPE

NEW MIRAFI 140 N

FILTER FABRIC

PLAN VIEW

PLANTER ISLAND

-NEW UNDER DRAIN

0' 100' 200'

EXISTING CURB

ALL LANDSCAPING ELEMENTS

REPLACED TO MATCH EXISTING

EXIST. CURB

NEW CLEAN COURSE SAND

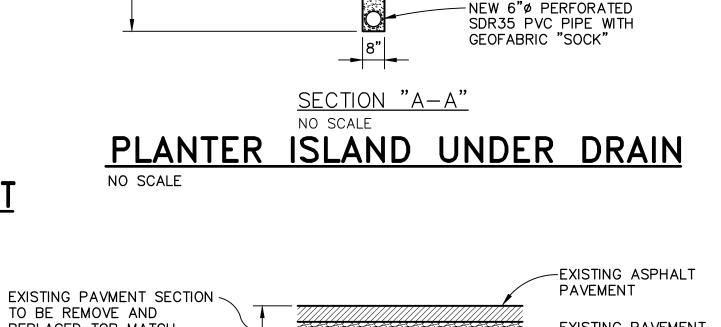
PEA GRAVEL OR

CRUSHED STONE

-EXIST. ASPHALT

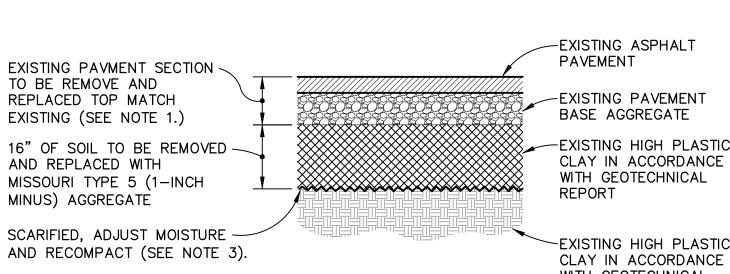
SHALL BE REMOVED AND

400'



REMOVE AND REPLACE

LANDSCAPING SOIL

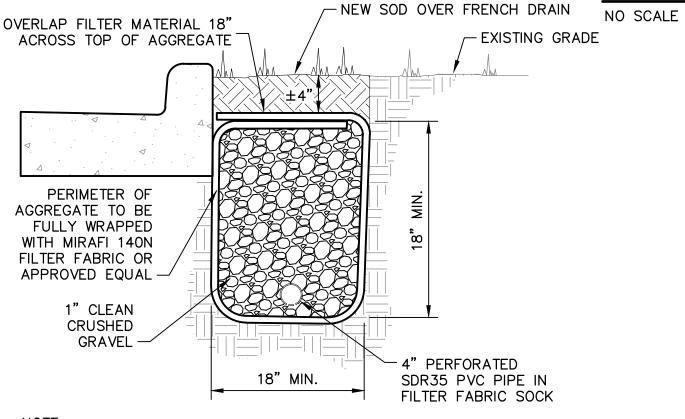


EXISTING HIGH PLASTIC CLAY IN ACCORDANCE WITH GEOTECHNICAL REPORT TO REMAIN 1. NEW ASPHALT PAVEMENT SHALL BE A MINIMUM OF 3" OF TYPE C ASPHALT

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

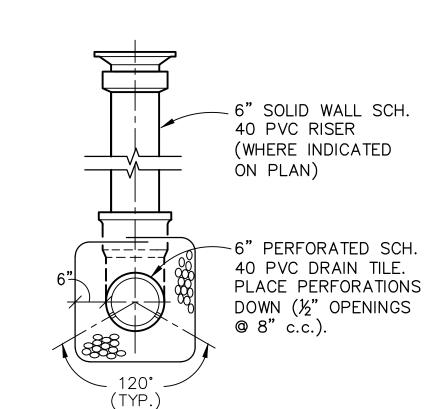
### TYPICAL OVER-EXCAVATION FOR HEAVED PAVEMENT AREAS



SUB-GRADE

SLOPE TO PROVIDE POSITIVE DRAINAGE TO STORM SEWER. WRAP FILTER FABRIC AROUND END OF DRAIN.

FRENCH DRAIN DETAIL



**PERFORATED** PIPE DETAIL NO SCALE



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REPAIRS

**PARKING** 

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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.:

# **CLEANOUT DETAIL**

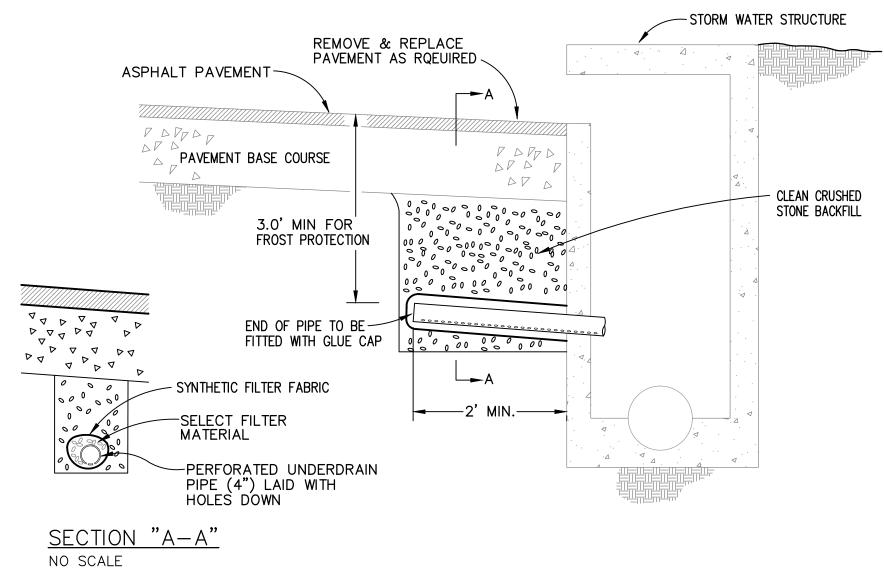
AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.

3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM D 74, SERVICE

2. TOP-LOADING CLASSIFICATION: HEAVY DUTY.

CLASS, CAST-IRON SOIL PIPE AND FITTINGS.

INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION



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

SLK 8/25/17 9:53 AM J: \AUTO\17008.01\CIVL\17008.01.C.D1\_DETL.N-C.DWG

(2) GRATE INLET MANHOLE BASE

PRECAST CONCRETE (2) GRATE INLETS

R-4573 OR

ADJUST TO FINAL

GRADE WITH BRICK

WORK (MAX. 11")

3/4" MORTAR BED

(2) 30"x15" GRATES

(2) GRATE INLET SEAT

ADAPTER RING

**APPROVED** MASTIC JOINT

APPROVED PATENTED

COMPRESSION

TYPE JOINT

(SEE CHART

FOR MAX.

PIPE O.D.)