



CHECKED BY: _____ DATE: 3-8-11 DRAWN BY: CC JOB NUMBER: 32801.00

BASE: NAPA OAKS BASE FILES, SENT VIA EMAIL DATED 12-8-10, PREPARED BY DK CONSULTING

PLATE 2

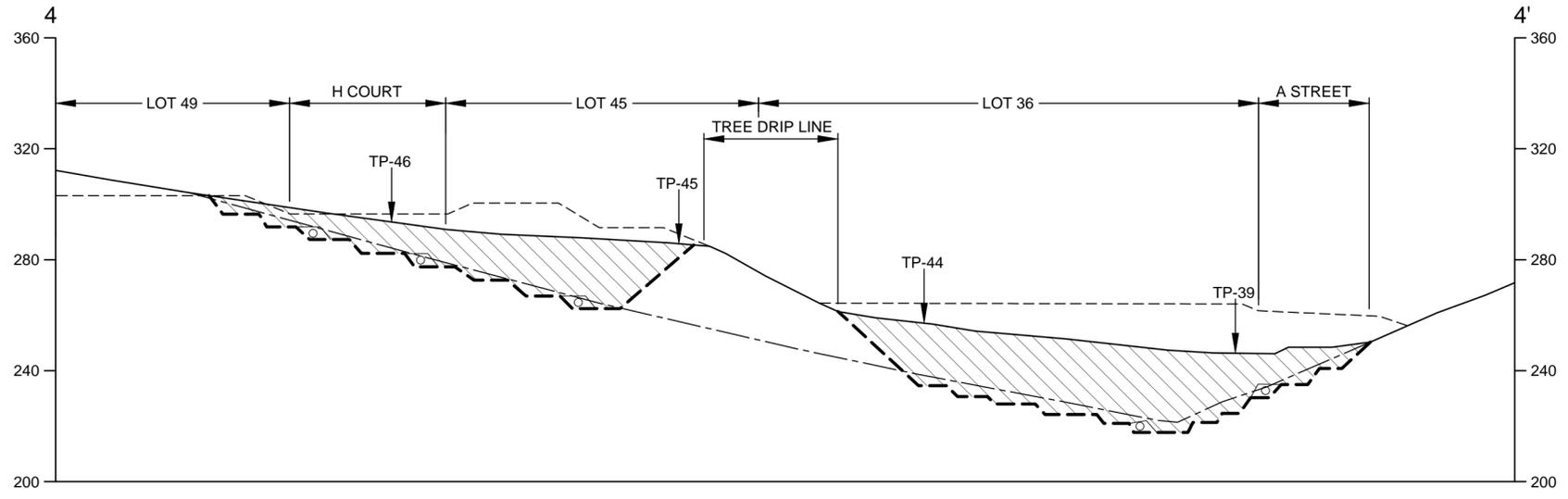
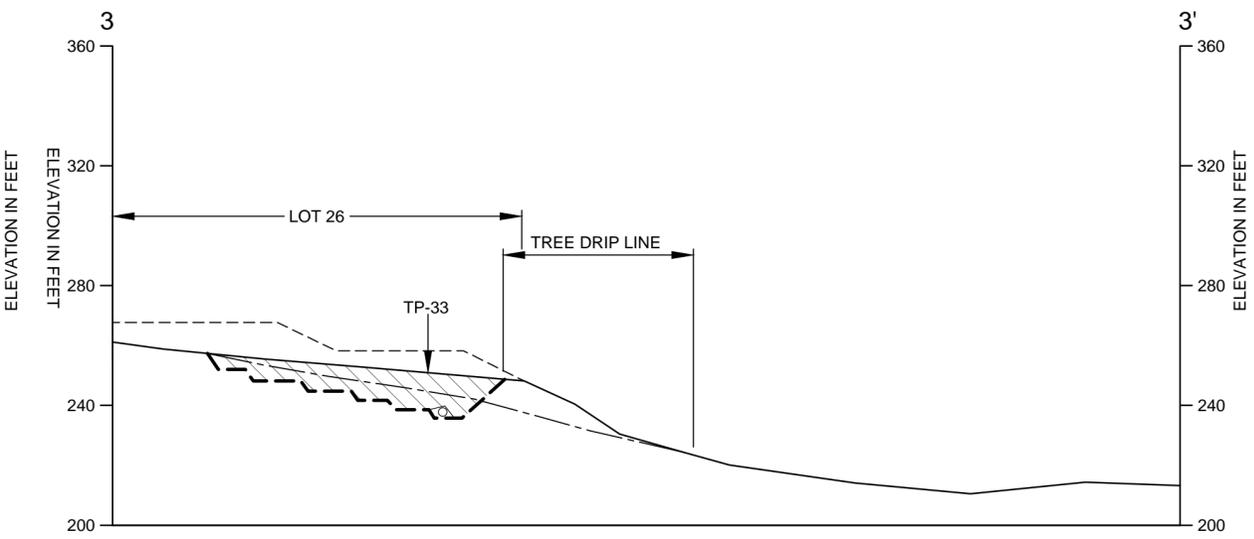
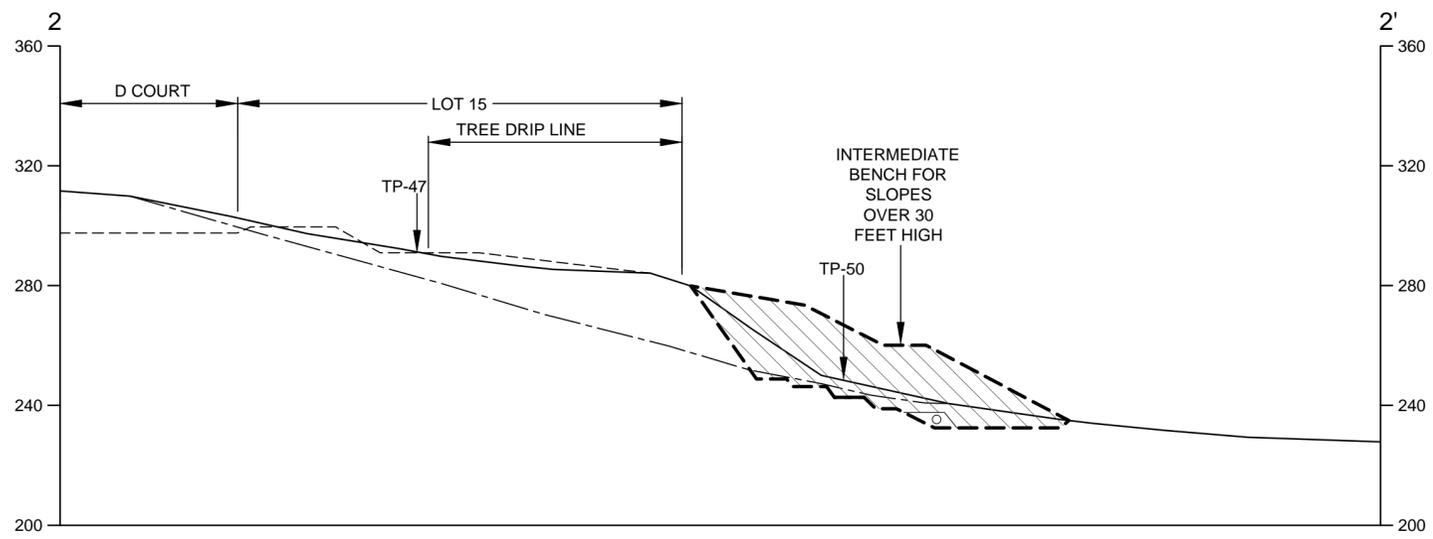
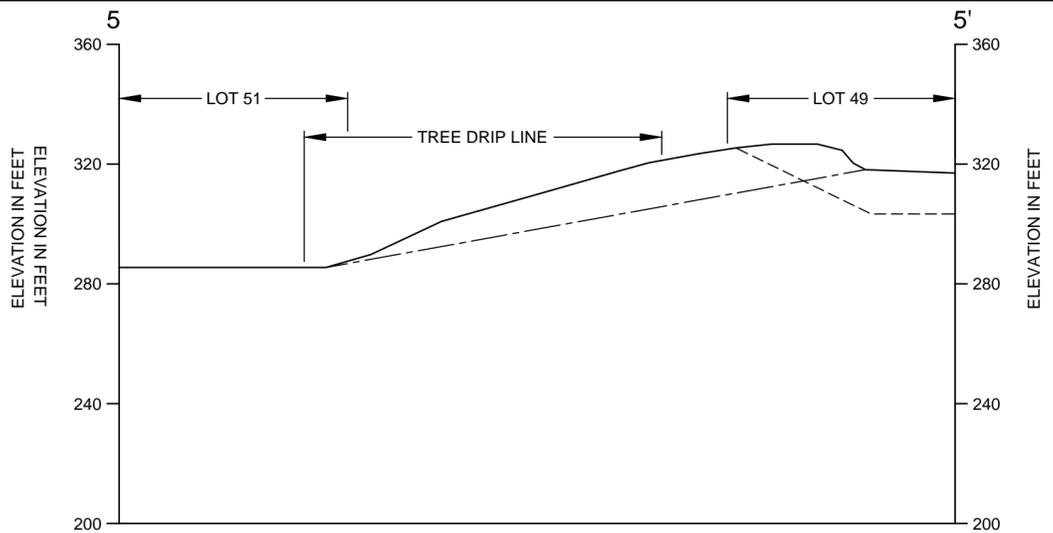
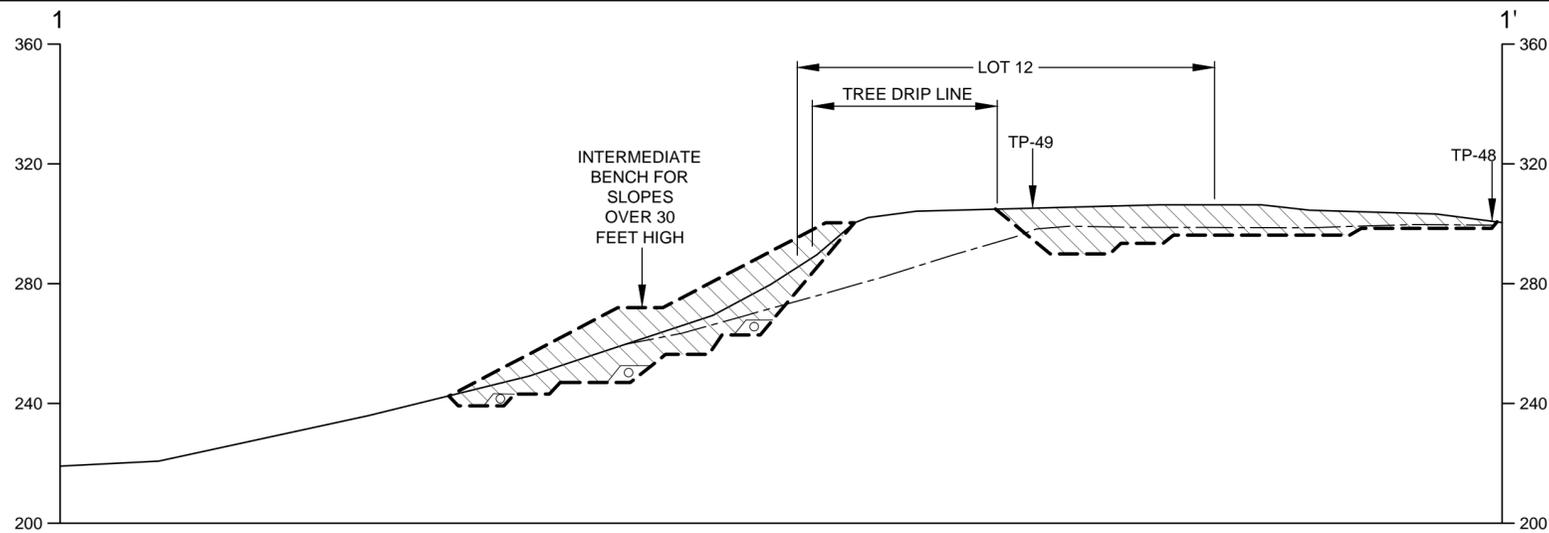


EXPLANATION	
	PROJECT BOUNDARY
	APPROXIMATE GEOLOGIC CONTACT
	APPROXIMATE EXISTING FILL AREAS
	CROSS SECTION LOCATION
	TEST PIT LOCATION (BSA, THIS STUDY)
	TEST PIT LOCATION (PHEONIX 9/93)
	TEST PIT LOCATION (ENGO 4/89)
	TEST PIT LOCATION (HERZOG 1987)
	BORING LOCATION (PHEONIX 7/93)
	BORING LOCATION (ENGO 5/89)
	LANDSLIDE
	COLLUVIUM
	ALLUVIUM
	CREEPING EXPANSIVE SOILS
	ESTIMATED DEPTH OF EXISTING UNDOCUMENTED FILL IN FEET
	DEPTH OF EXISTING FILL FOUND IN TEST PIT IN FEET (BSA, THIS STUDY)
	SEASONALLY MOIST AREA

SITE PLAN
NAPA OAKS
 OLD SONOMA ROAD AND
 CASSWALL STREET
 NAPA, CALIFORNIA
 FOR
 DAVIDON HOMES

SOIL ENGINEERS * ENGINEERING GEOLOGISTS

JOB NUMBER: 3280.100 DATE: 2-2-11 DRAWN BY: CC CHECKED BY:



- EXPLANATION**
- TP-50 TESTPIT LOCATION (BSA, THIS STUDY)
 - EXISTING GRADE
 - - - PROPOSED GRADE
 - - - ESTIMATED BOTTOM OF FILL
 - [Hatched Area] REMOVE AND REPLACE WITH ENGINEERED FILL
 - [Circle with X] SUBDRAIN LOCATION



CROSS SECTIONS
NAPA OAS
 OLD SONOMA ROAD AND
 CASSWALL STREET
 NAPA, CALIFORNIA
 FOR
 DAVIDON HOMES

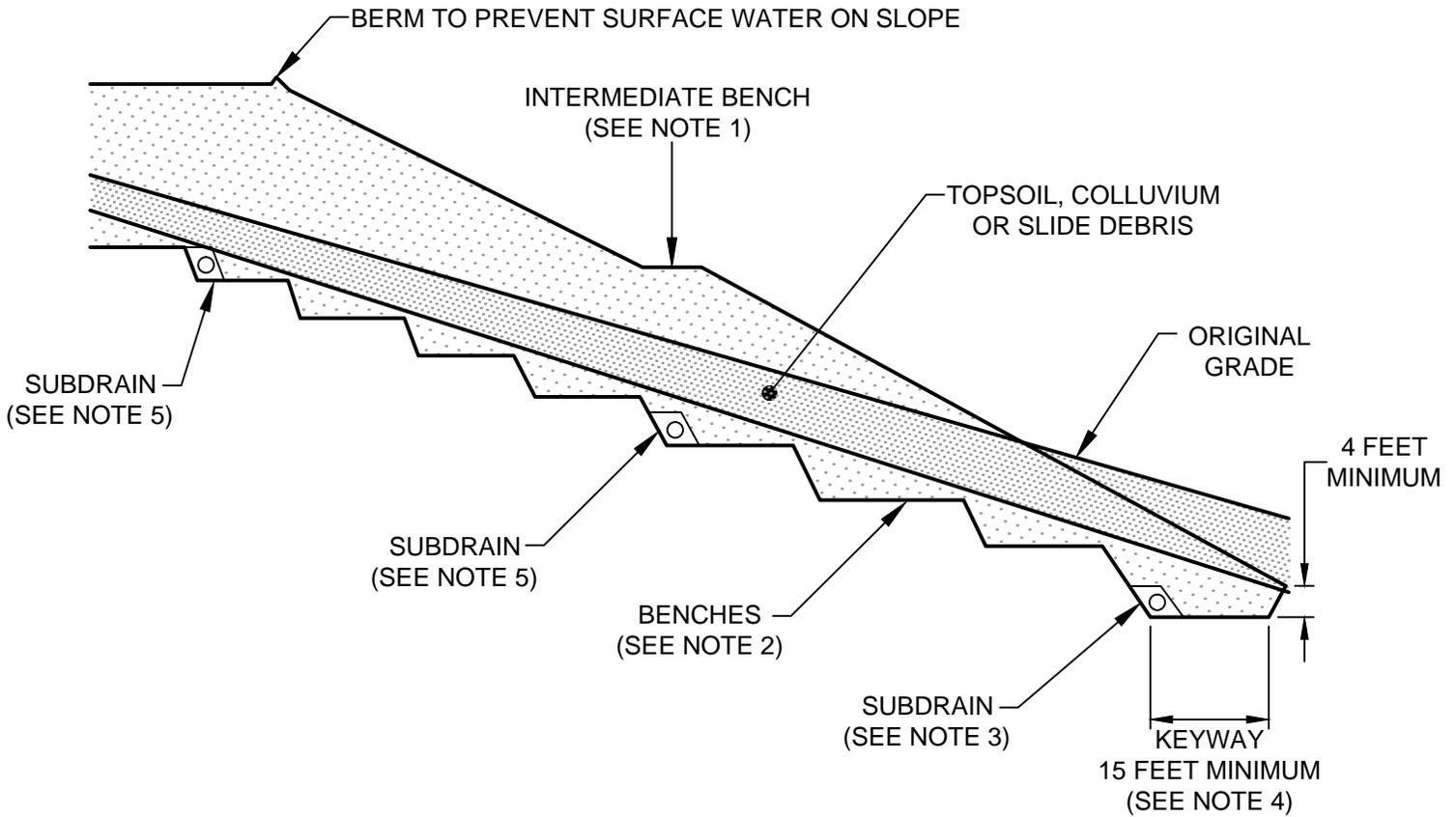
SOIL ENGINEERS * ENGINEERING GEOLOGISTS

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DATE: 2-4-11

JOB NUMBER: 3280.100



NOT TO SCALE

NOTES □

1. INTERMEDIATE BENCHES SHOULD BE SPACED EVERY 25 VERTICAL FEET ON SLOPES HIGHER THAN 30 FEET.
2. WHERE NATURAL GRADE IS STEEPER THAN 7:1, BENCH INTO STIFF SOIL OR BEDROCK AS DETERMINED BY SOIL ENGINEER.
3. SUBDRAIN SHOULD DISCHARGE VIA A CLOSED PIPE TO STORM DRAIN OR SUITABLE NATURAL DRAINAGE.
4. KEYWAY SHOULD EXTEND AT LEAST 4 FEET INTO STIFF SOIL OR BEDROCK AS DETERMINED BY THE SOIL ENGINEER. KEYWAY WIDTH SHOULD BE A MINIMUM OF 15 FEET OR 1/2 OF THE FILL SLOPE HEIGHT, WHICHEVER IS GREATER.
5. SUBDRAIN SPACING MAXIMUM 20 FEET VERTICAL.

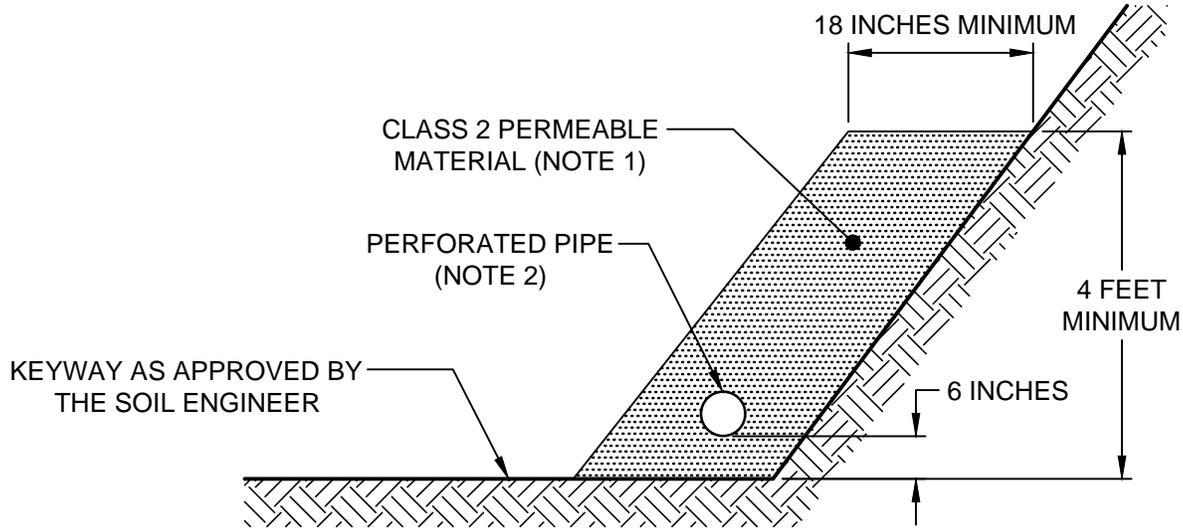
FILL SLOPE DETAIL

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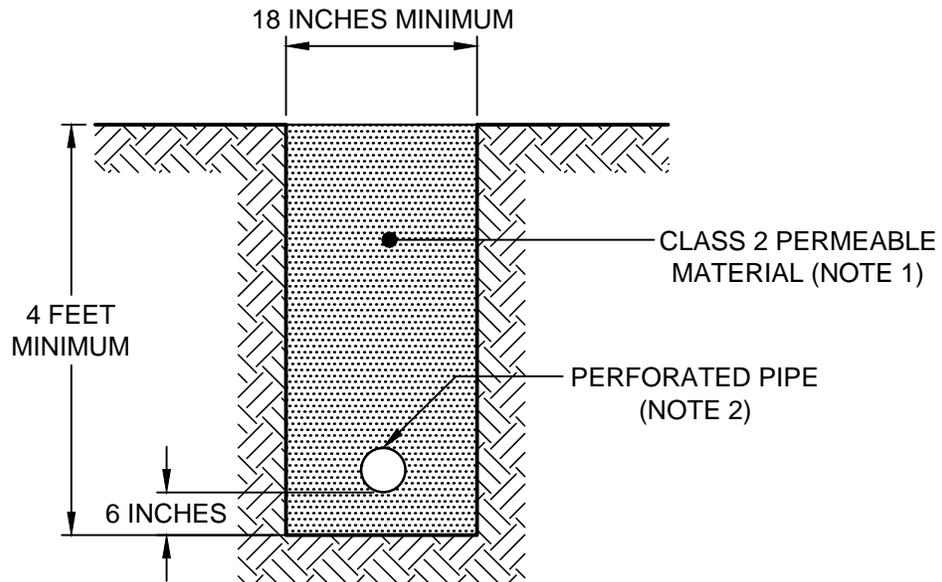
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DATE: 2-4-11

JOB NUMBER: 3280.100



EY AY SU DRAIN



COLLECTOR SU DRAIN

NOT TO SCALE

NOTES

1. CLASS 2 PERMEABLE MATERIAL AS GIVEN IN SECTION 68 - 1.025, STATE OF CALIFORNIA STANDARD SPECIFICATIONS, MAY, 2006 EDITION.
2. PERFORATED PIPE PLACED PERFORATIONS DOWN, PVC PIPE WITH A MINIMUM DIAMETER OF SIX (6) INCHES, CONFORMING TO ASTM D-3034 SDR 35, FOR DEPTHS LESS THAN 30 FEET, AND SDR 23.5 FOR DEPTHS GREATER THAN 30 FEET.

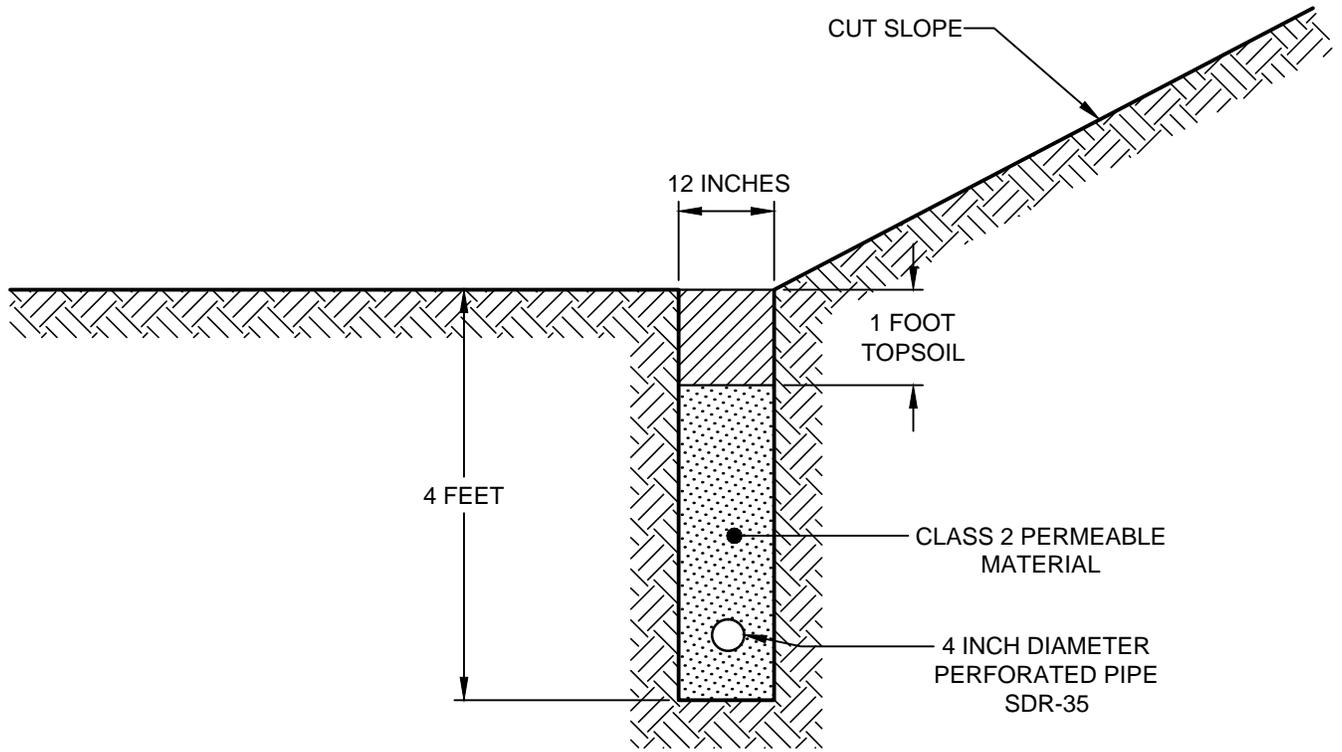
TYPICAL SU DRAIN DETAILS

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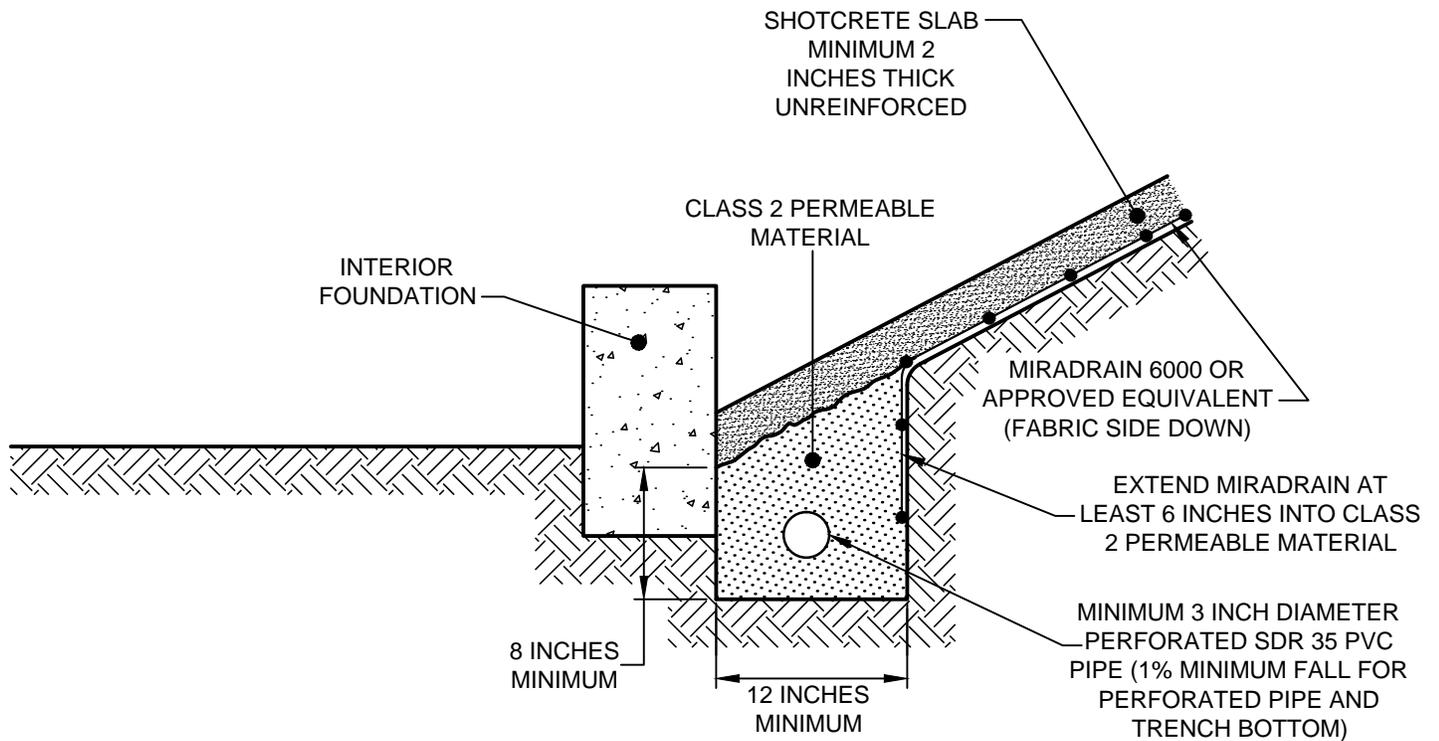
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LOT CUT SLOPE SUDRAIN



UNDERFLOOR SLOPE SUDRAIN

NOT TO SCALE

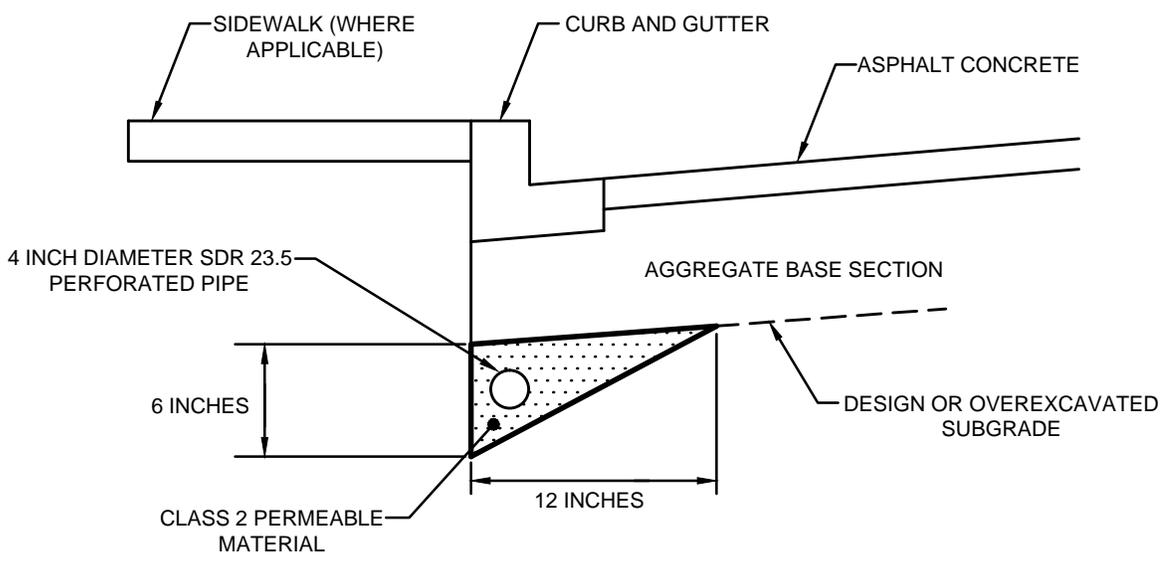
SUDRAIN DETAILS

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NOTES

1. 4 INCH DIAMETER PERFORATED PIPE TO BE SURROUNDED BY AT LEAST 2 INCHES OF CLASS 2 PERMEABLE MATERIAL.
2. 4 INCH DIAMETER PERFORATED PIPE TO DISCHARGE INTO EACH CATCH BASIN/DRAIN INLET.
3. PERFORATED PIPE TO BE LOCATED BELOW EXISTING SHALLOW UNDERGROUND UTILITIES WHERE THEY CROSS.

SCALE N T S

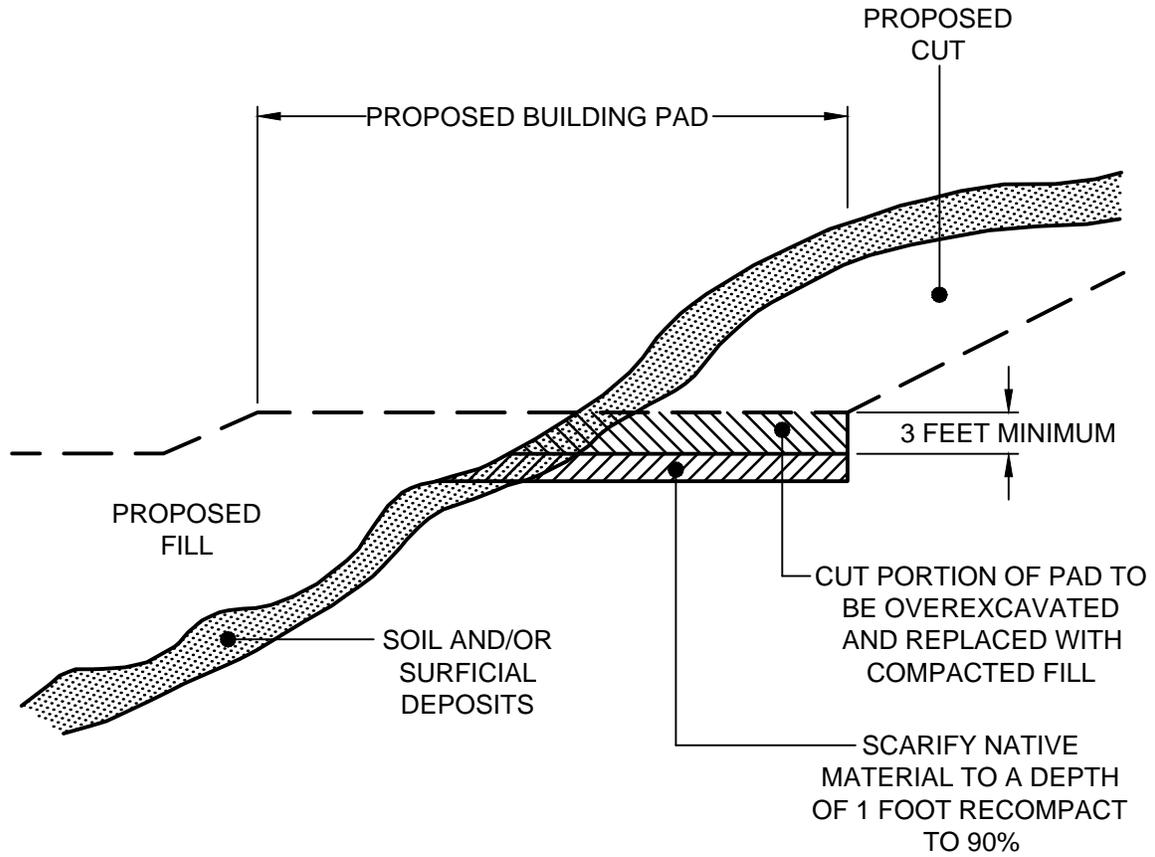
ROAD AY UNDERDRAIN

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**NOT TO
SCALE**

TYPICAL CUT/FILL TRANSITION LOT OVEREXCAVATION DETAIL