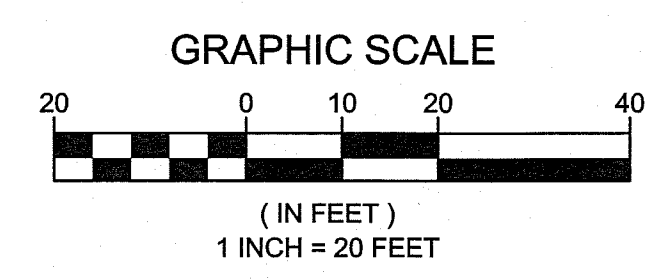


**OUTFALL 1**

**OUTFALL 2**

**GENERAL NOTES:**

1. PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES. CALL 811
2. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE SITE AND AND SET DRAINAGE STRUCTURES SO THAT RUNOFF IS DIRECTED INTO THE NEW DROP INLET AND OUTLET CONTROL STRUCTURE AS SHOWN ON THE PLAN
3. CONTRACTOR SHALL RE-LAY EXISTING 2" GALVANIZED SERVICE LINE TO SCHOOL AND PROVIDE A MINIMUM 12" SEPARATION BETWEEN NEW STORM DRAINAGE.
4. TIE ALL EXISTING DOWNSPOUTS TO DRAINAGE INLETS.
5. ALL UTILITIES SHALL BE UNDERGROUND.
6. CONTACT BREMCO FOR LOCATION OF POWER. (828-264-8894)
7. CONTACT AT&T FOR PHONE SERVICE (828-262-4908).
8. CONTACT CHARTER COMMUNICATIONS FOR CABLE SERVICE (828-733-1510).
9. ALL SIDEWALKS WITHIN THE TOWN OF BLOWING ROCK RIGHT OF WAY SHALL CONFORM TO ALL REQUIREMENTS OF TOWN'S DEVELOPMENT ORDINANCE.
10. TOPOGRAPHIC DATA PREPARED BY MUNICIPAL ENGINEERING SERVICES COMPANY, JOB NO. B15019.3, DATED 09-15-16.
11. SITE IS PRESENTLY ZONED OI.
12. SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 3710280700J, EFFECTIVE DATE 12-03-09.



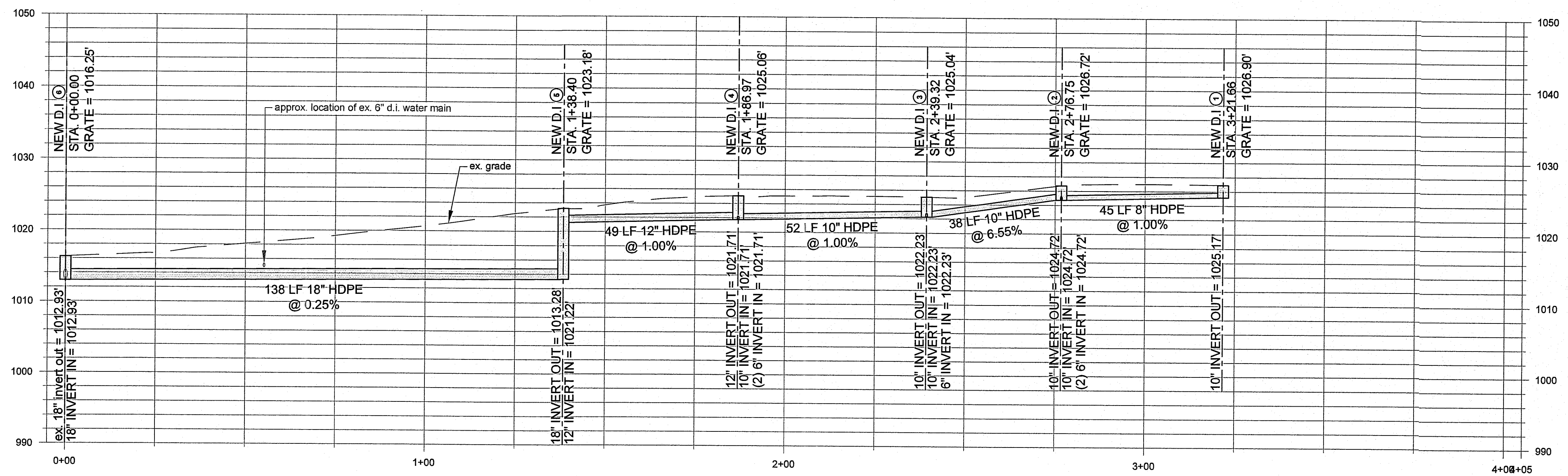
**PRELIMINARY**  
FOR REGULATORY REVIEW ONLY

**BLOWING ROCK ELEMENTARY SCHOOL  
DRAINAGE IMPROVEMENTS  
BLOWING ROCK, NC**

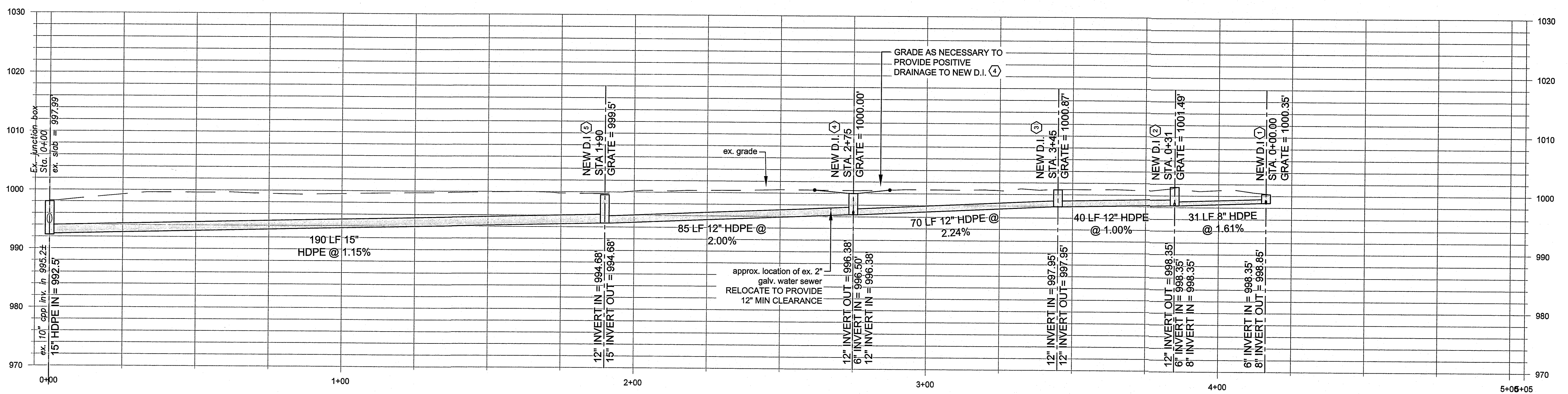
DATE	BY	REV.	DESCRIPTION

SITE PLAN

SCALE: 1" = 20'	
DATE: 04-04-17	
DRWN. BY: SGJ	
CHKD. BY: MPT	
PROJECT NUMBER B15019.3	
DRAWING NO. C-2	SHEET NO. 2 OF 4



**OUTFALL 1**



**OUTFALL 2**

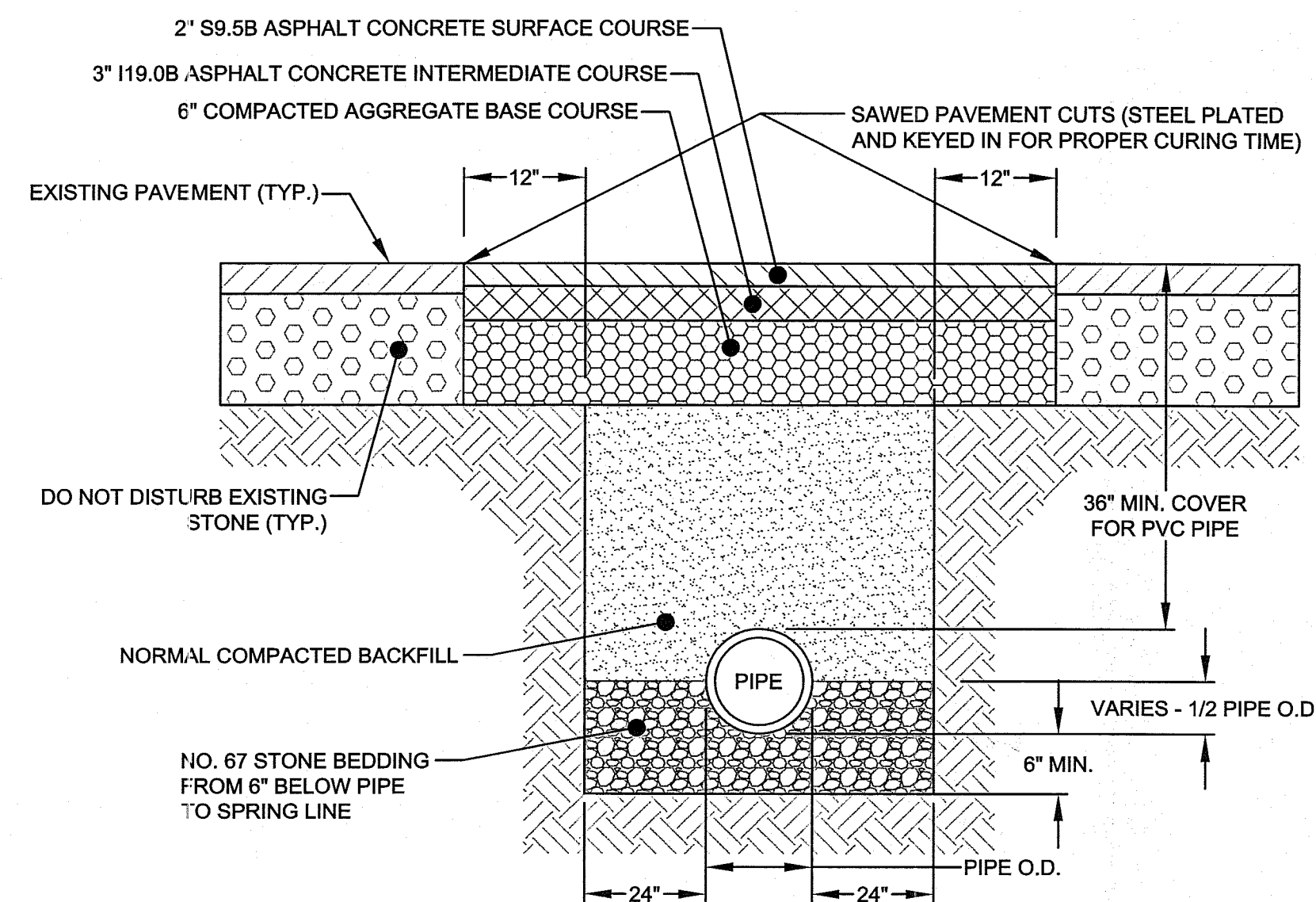
PROFILE VIEW  
 VERTICAL SCALE: 1" = 10'  
 HORIZONTAL SCALE: 1" = 20'

**PRELIMINARY**  
 FOR REGULATORY REVIEW ONLY

DATE		BY		REVISION	DESCRIPTION

PROJECT NUMBER  
**B15019.3**

DRAWING NO. SHEET NO.  
 C-3 3 OF 4

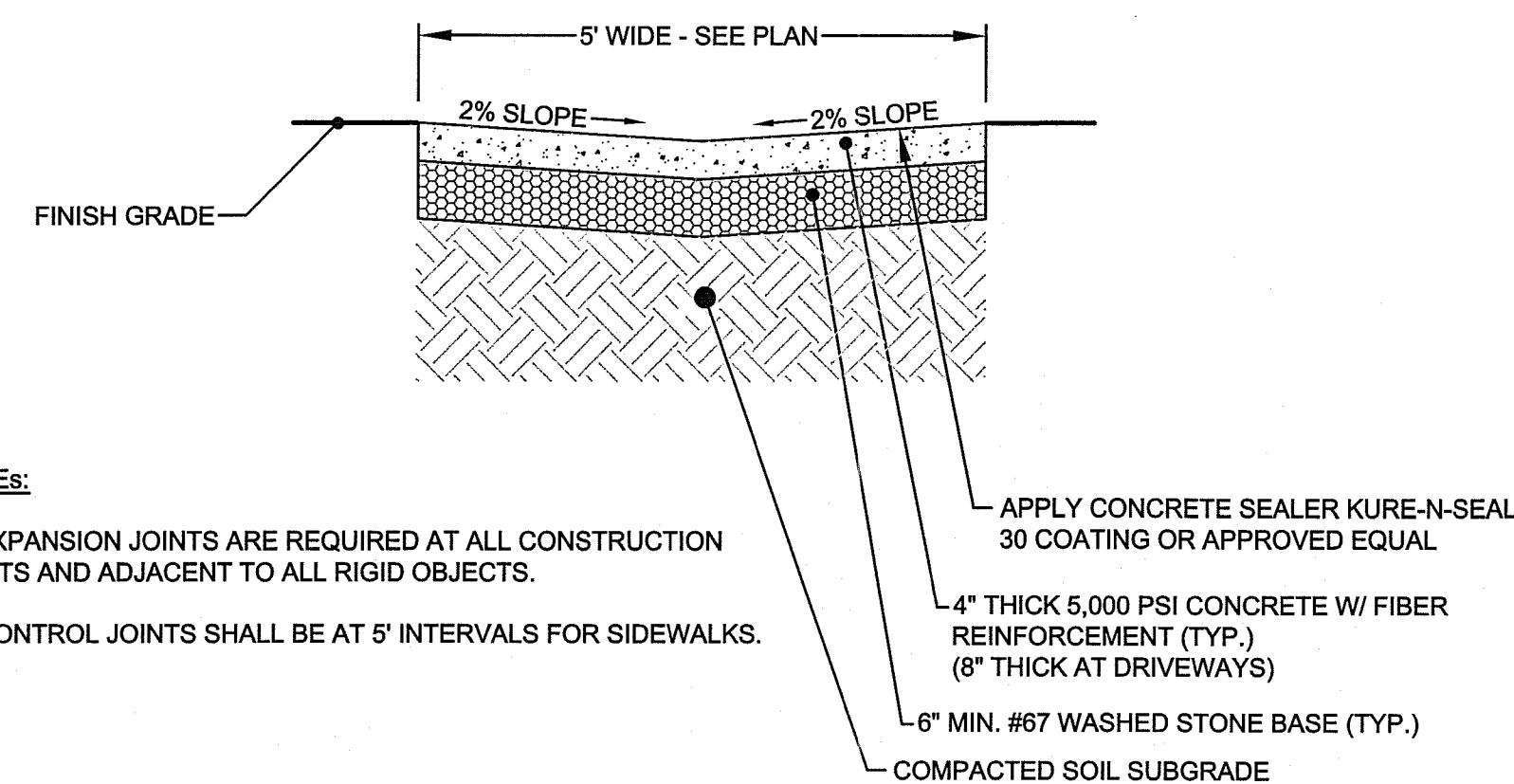


**NOTES:**

1. ALL PAVEMENT CUTS SHALL BE REPAIRED THE SAME DAY THE CUT IS MADE.
2. BEDDING STONE TO SPRING LINE FOR DEPTHS UP TO 12'. BACKFILL WITH STONE TO TOP OF PIPE FOR DEPTHS GREATER THAN 12'.

**OPEN CUT ASPHALT PAVEMENT REPAIR SECTION FOR STORM DRAIN TRENCHES ON TOWN STREETS**

NOT TO SCALE

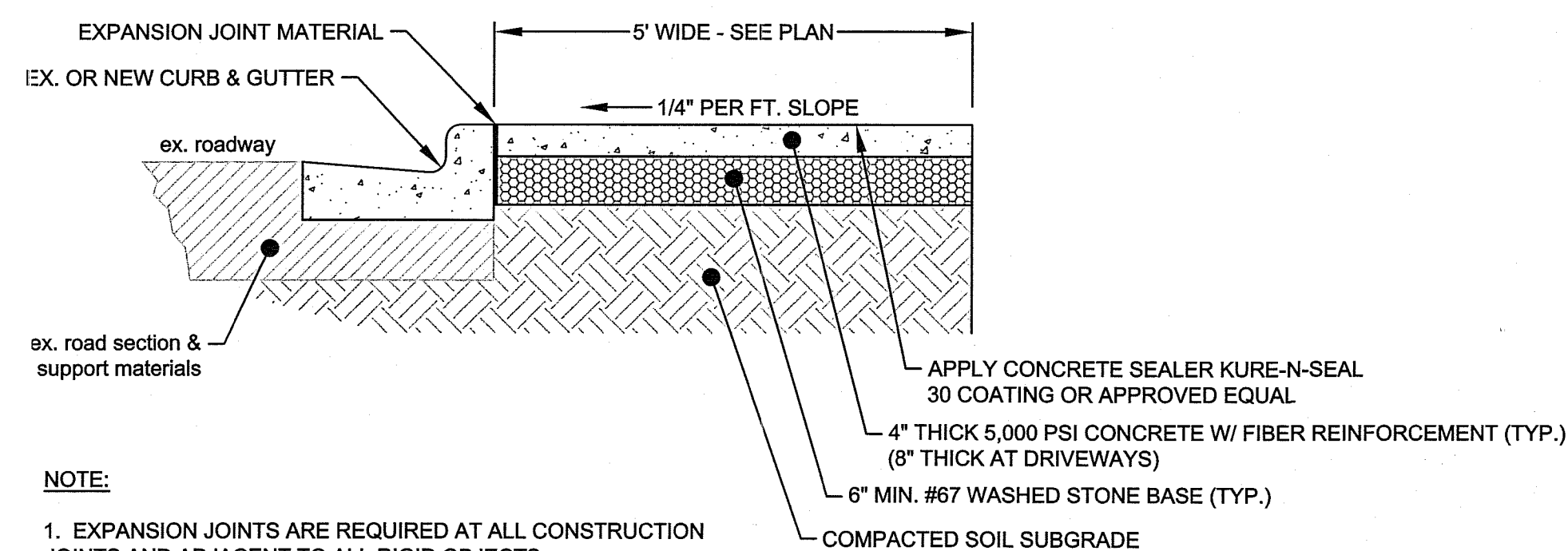


**NOTES:**

1. EXPANSION JOINTS ARE REQUIRED AT ALL CONSTRUCTION JOINTS AND ADJACENT TO ALL RIGID OBJECTS.
2. CONTROL JOINTS SHALL BE AT 5' INTERVALS FOR SIDEWALKS.

**SIDEWALK TO REPLACE BESIDE THEATER**

NOT TO SCALE



**NOTE:**

1. EXPANSION JOINTS ARE REQUIRED AT ALL CONSTRUCTION JOINTS AND ADJACENT TO ALL RIGID OBJECTS.
2. CONTROL JOINTS SHALL BE AT 5' INTERVALS FOR SIDEWALKS.

**SIDEWALK REPAIR ALONG ROADWAY**

NOT TO SCALE

**SOIL TESTS**

LIME AND FERTILIZER NEEDS SHOULD BE DETERMINED BY SOIL TESTS. SOIL TESTING IS PERFORMED FREE OF CHARGE BY THE NC DEPT. OF AGRICULTURE. SOIL TESTING LABORATORY. DIRECTIONS, SAMPLE CARTONS, AND INFORMATION ARE AVAILABLE THROUGH COUNTY AGRICULTURAL EXTENSION OFFICES OR FROM NCDA. BECAUSE THE NCDA SOIL TESTING LAB REQUIRES 1-6 WEEKS FOR SAMPLE TURN-AROUND, SAMPLING MUST BE PLANNED WELL IN ADVANCE OF FINAL GRADING. TESTING IS ALSO DONE BY COMMERCIAL LABORATORIES.

**SEEDBED PREPARATION**

1. ROUGHEN SURFACES IN ACCORDANCE WITH THE NOTES ON SURFACE ROUGHENING ON THIS SHEET.
2. BREAK UP LARGE CLODS AND RAKING INTO A SMOOTH, UNIFORM SURFACE (SLOPES LESS THAN 3:1.) FILL IN OR LEVEL DEPRESSIONS THAT CAN COLLECT WATER. BROADCAST SEED INTO A FRESHLY LOOSENEED SEEDBED THAT HAS NOT BEEN SEALED BY RAINFALL.

**SEEDING MIXTURE**

SPECIES	RATE (LB/ACRE)
TALL FESCUE	100
SERICA LESPEDeza	20
KOREAN LESPEDeza	10
KENTUCKY BLUEGRASS	5
REDTOP	5

**SEEDING NOTE**

1. AFTER AUGUST 15, USE UNSCARIFIED SERICEA LESPEDeza SEED.
2. WHERE APPEARANCE IS A CONSIDERATION, OMIT SERICEA LESPEDeza AND INCREASE KOREAN LESPEDeza TO 40 LB/ACRE.

**NURSE PLANTS**

BETWEEN MAY 1 AND AUGUST 15 ADD 10 LB/ACRE GERMAN MILLET OR 15 LB/ACRE TALL FESCUE. PRIOR TO MAY 1 OR AFTER AUGUST 15, ADD 40 LB/ACRE RYE (GRAIN). IT MAY BE BENEFICIAL TO PLANT THE GRASSES IN LATE SUMMER AND OVERSEED THE LESPEDezAS IN MARCH.

**SEEDING DATES**

	BEST	POSSIBLE
BELOW 2500 FT:	AUG. 15 - SEPT. 1 MAR. 1 - APR. 1	JULY 25 - SEPT. 15 MAR. 1 - MAY 10
ABOVE 2500 FT:	JULY 25 - AUG. 15 MAR. 20 - APR. 20	JULY 15 - AUG. 30 MAR. 5 - MAY 15

COMPLETE SEEDING EARLIER IN FALL, AND START LATER IN SPRING ON NORTH AND EAST FACING SLOPES.

**SOIL AMENDMENTS**

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. IF SOIL TESTS ARE NOT AVAILABLE, APPLY 4,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 5-10-10 FERTILIZER.

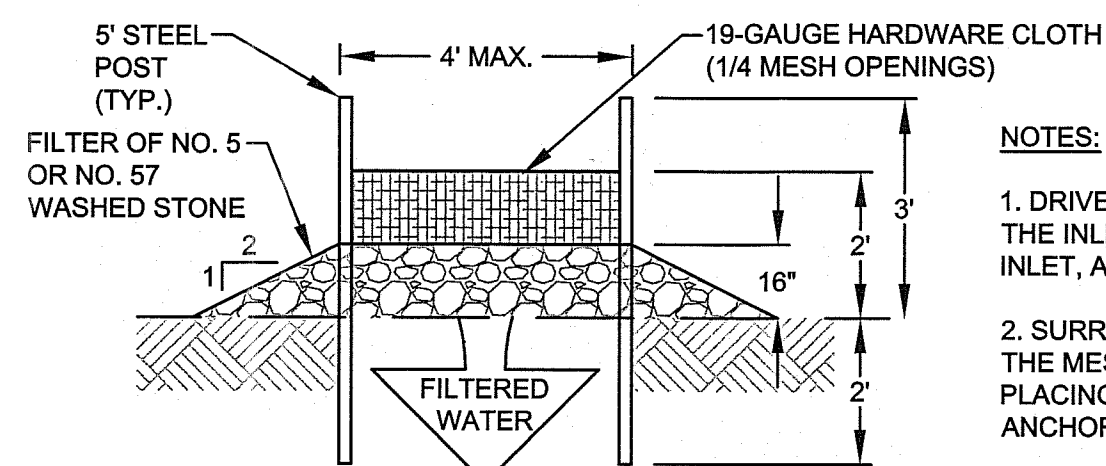
**MULCH**

APPLY 4,000 - 5,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCHING MATERIAL. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR ROVING. NETTING IS THE PREFERRED ANCHORING METHOD ON STEEP SLOPES.

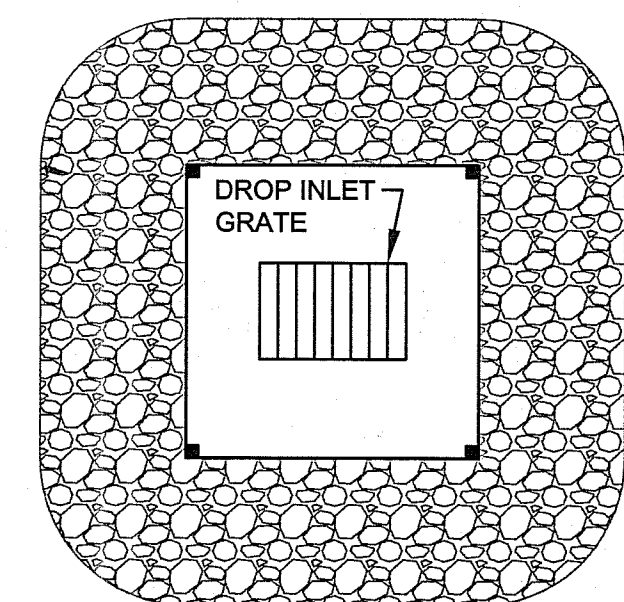
**MAINTENANCE**

REFERTILIZE THE SECOND YEAR UNLESS GROWTH IS FULLY ADEQUATE. MOW NO MORE THAN ONCE PER YEAR. RESEED, FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY.

**PERMANENT SEEDING SCHEDULE**



**SECTION**



**PLAN**

**HARDWARE CLOTH & GRAVEL INLET PROTECTION**

NOT TO SCALE

**NOTES:**

1. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
2. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2-FOOT FLAP OF WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
3. PLACE CLEAN GRAVEL (NC DOT NO. 5 OR NO. 57 STONE) ON A 2:1 SLOPE TO A HEIGHT OF 16\"/>
- 4. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT AND ESTABLISH FINAL GRADING ELEVATIONS.
- 5. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUND COVER.

FILTER OF NO. 5 OR NO. 57 WASHED STONE

DATE	BY	REV.	DESCRIPTION

SCALE:	AS SHOWN
DATE:	04-04-17
DRWN. BY:	SGJ
CHKD. BY:	MPT
PROJECT NUMBER	B15019.3
DRAWING NO.	C-4
SHEET NO.	4 OF 4

**PRELIMINARY**  
 FOR REGULATORY REVIEW ONLY