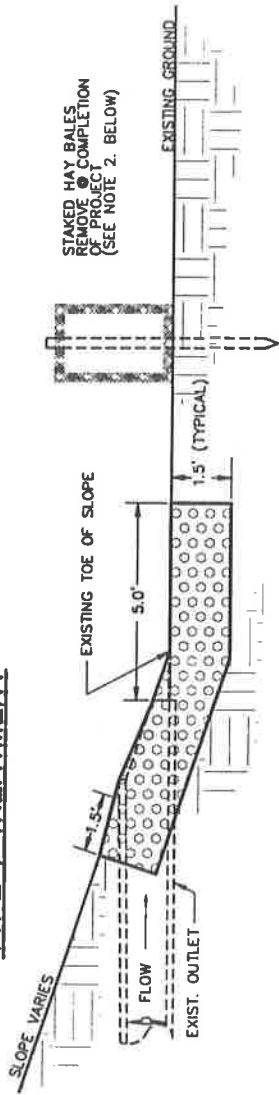


STONE PAD AREA TYPICALS @ EXISTING OUTLETS

TYPE I TREATMENT

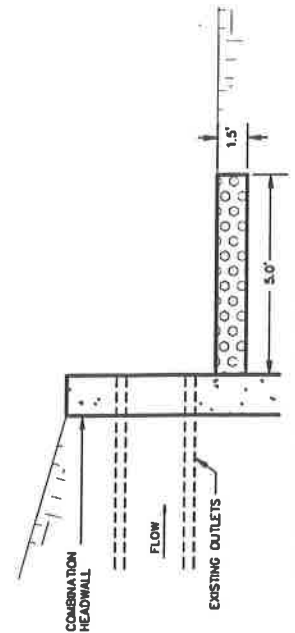
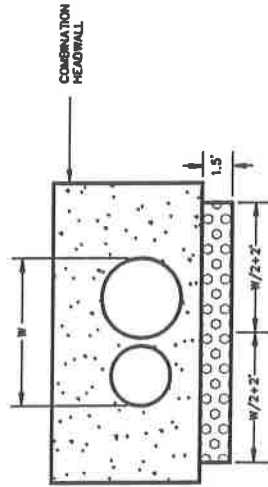


ELEVATION VIEW

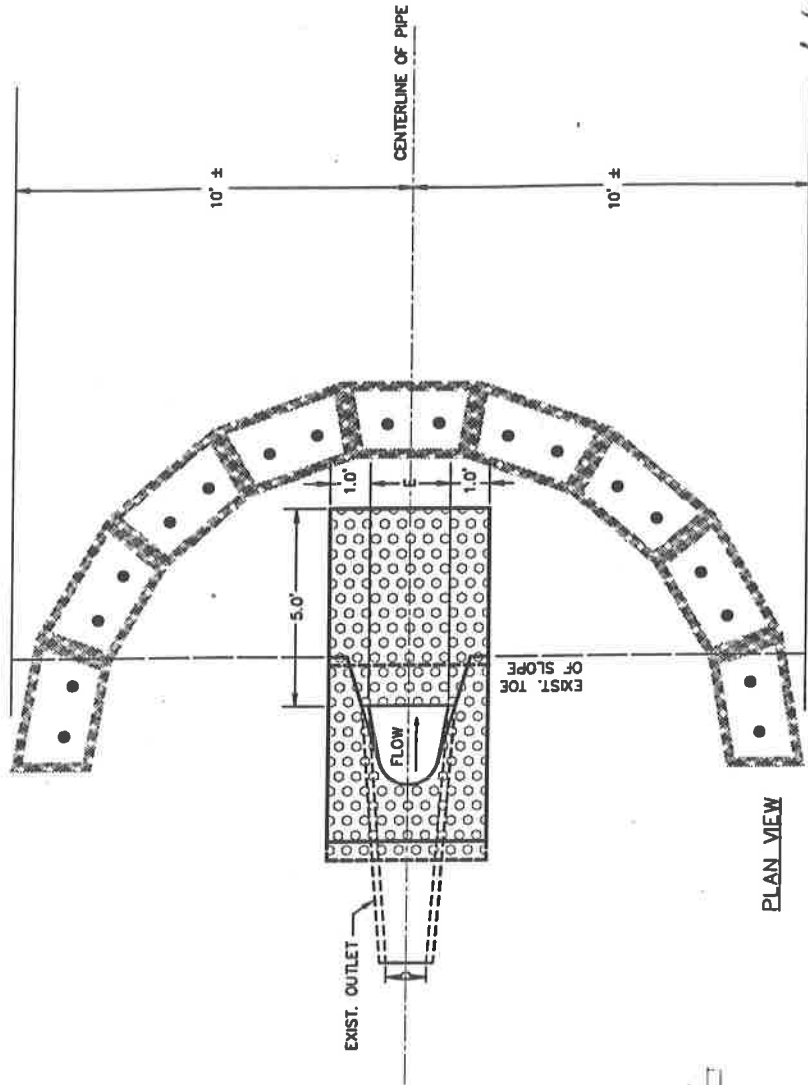
DIA	E	PAD WIDTH	PAD LENGTH	VOLUME
12"	2'-0"	4'-6"	8'-6"	51 CF
15"	2'-6"	4'-6"	8'-9"	59 CF
18"	3'-0"	5'-0"	8'-9"	66 CF
21"	3'-6"	5'-6"	9'-0"	74 CF
24"	4'-0"	6'-0"	10'-2"	92 CF
30"	5'-0"	7'-0"	11'-0"	116 CF
36"	6'-0"	8'-0"	11'-9"	141 CF
42"	6'-6"	8'-6"	11'-9"	150 CF

- NOTES:
- STONE PAD TO BE COMPOSED OF MODIFIED ROCKFILL AS DESCRIBED UNDER ITEM 986. OF THE SPECIAL PROVISIONS
 - HAY BALES TO BE PLACED ONLY WHEN WORK IS BEING PERFORMED WITHIN 100' OF BORDERING VEGETATED WETLAND AREA.

COMBINATION ENDWALL TREATMENT



FOR SINGLE PIPE HEADWALLS, PAD WIDTH SHALL BE PIPE DIA. + 2.0'

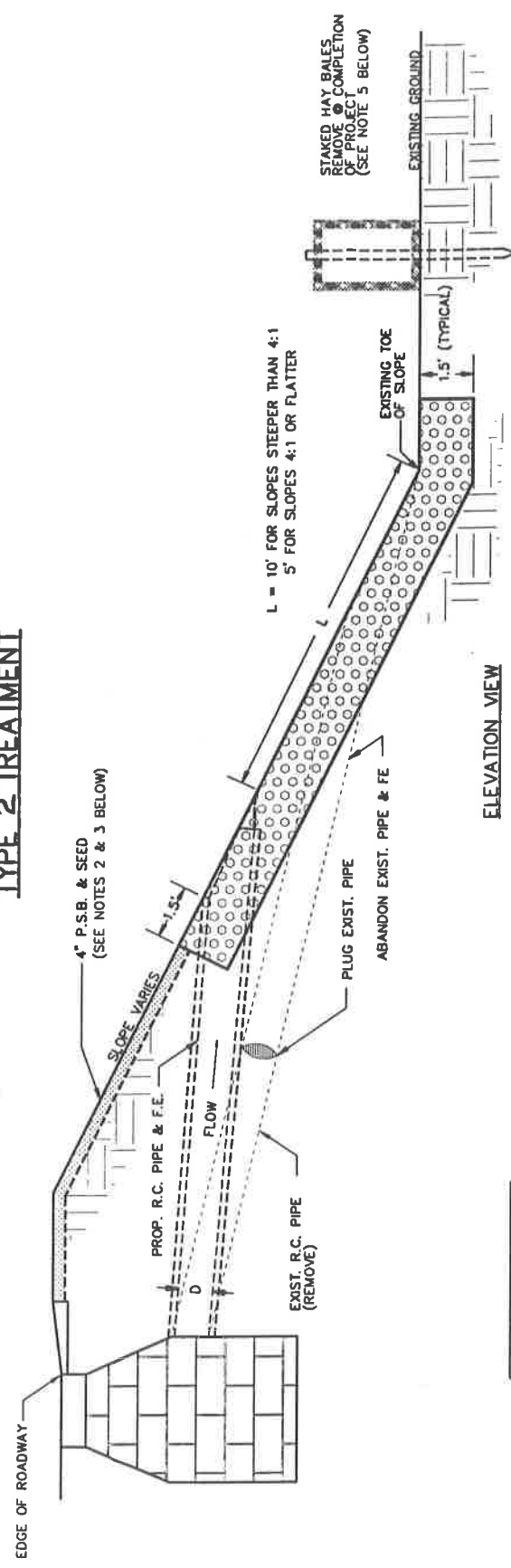


PLAN VIEW

5/12/99

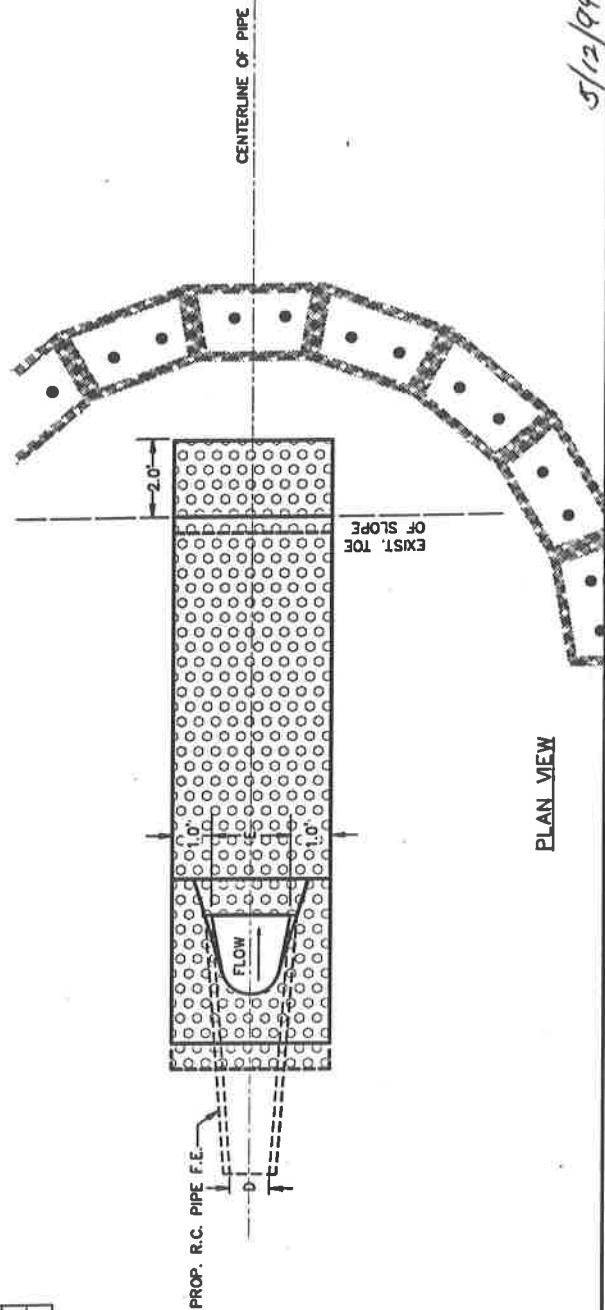
STONE PAD AREA TYPICALS @ EXISTING OUTLETS

TYPE 2 TREATMENT



ELEVATION VIEW

DIA	E	PAD WIDTH
12"	2'-0"	4'-0"
18"	3'-0"	5'-0"

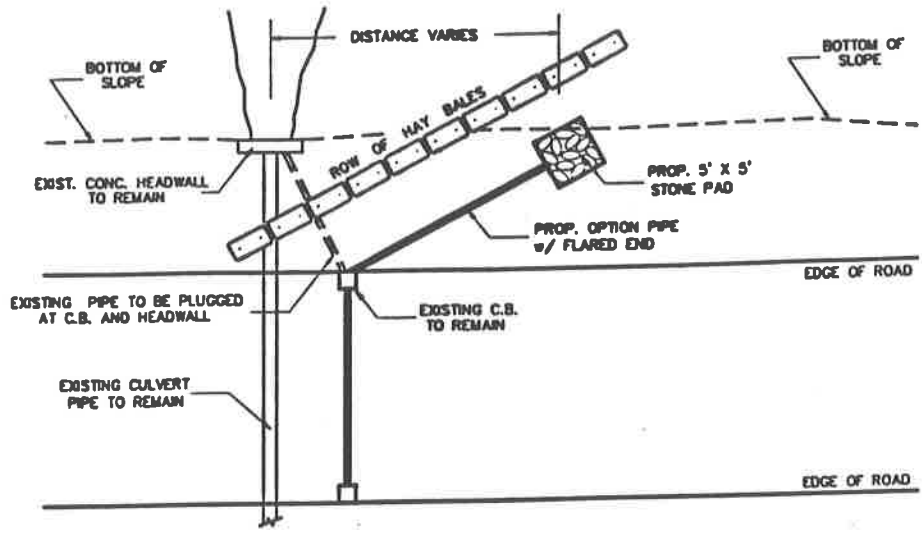


PLAN VIEW

- NOTES:
1. STONE PAD TO BE COMPOSED OF MODIFIED ROCKFILL AS DESCRIBED UNDER ITEM 986. OF THE SPECIAL PROVISIONS
 2. PLANTABLE SOIL BORROW AND SEED IS TO BE PLACED TO THE BACK OF PAVEMENT MILLINGS MULCH IN GUARDRAIL LOCATIONS, AND TO THE BACK OF EDGE TREATMENT IN ALL OTHER LOCATIONS.
 3. WIDTH OF P.S.B. & SEED TO BE EQUAL TO THE DIAMETER OF THE PROPOSED PIPE PLUS FIVE (5) FEET.
 4. OMIT 2' PAD AT BOTTOM OF SLOPE IF IT WILL ENCROACH ON A WETLAND AREA
 5. HAY BALES TO BE PLACED AROUND PAD IN CONFIGURATION SIMILAR TO THE ONE SHOWN FOR A TYPE 1 TREATMENT.

TYPICAL TREATMENT 3

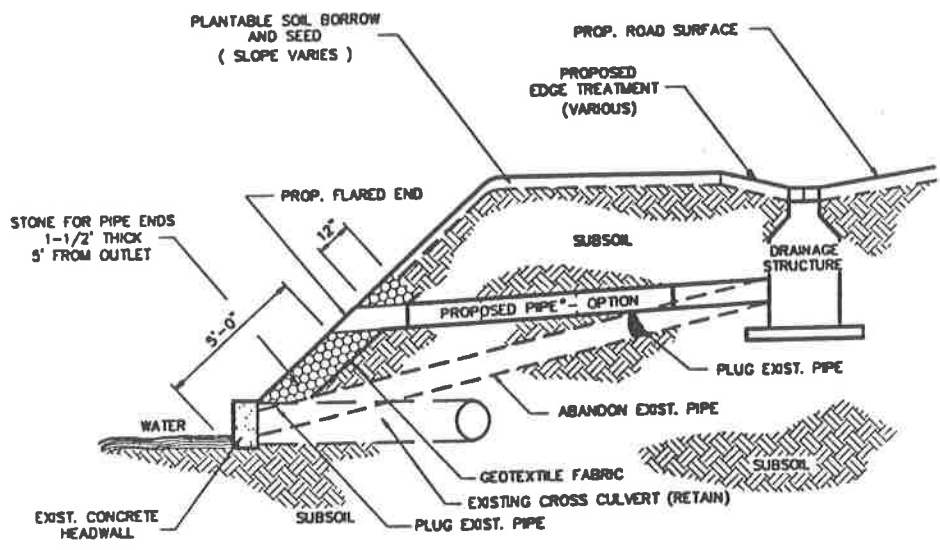
SLOPE TREATMENT AT RELOCATED DRAINAGE OUTLETS



PLAN VIEW

NOTES:

1. TO BE USED TO ELIMINATE COMBINATION ENDS OR OTHER DIRECT DISCHARGE INTO SURFACE WATER.
2. PIPE SHALL BE RE-DIRECTED UPGRADE FROM EXISTING OUTLET LOCATION.



SECTION

* PROP. PIPE SIZE TO BE THE SAME AS THE EXISTING PIPE.

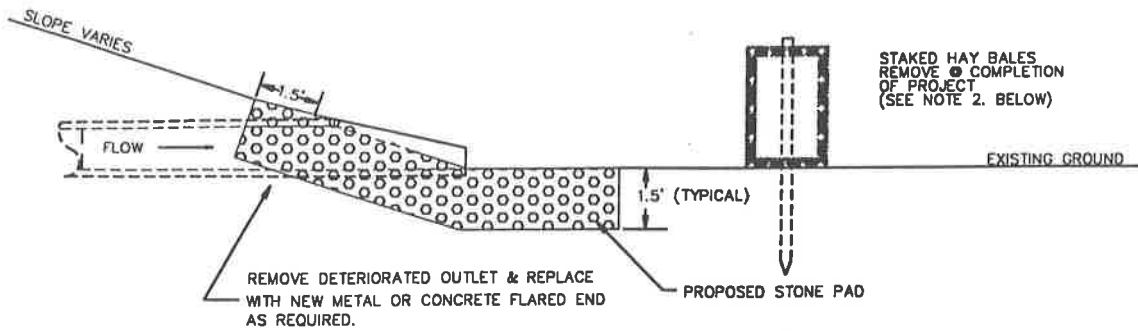
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TYPICAL TYPE 4 TREATMENT

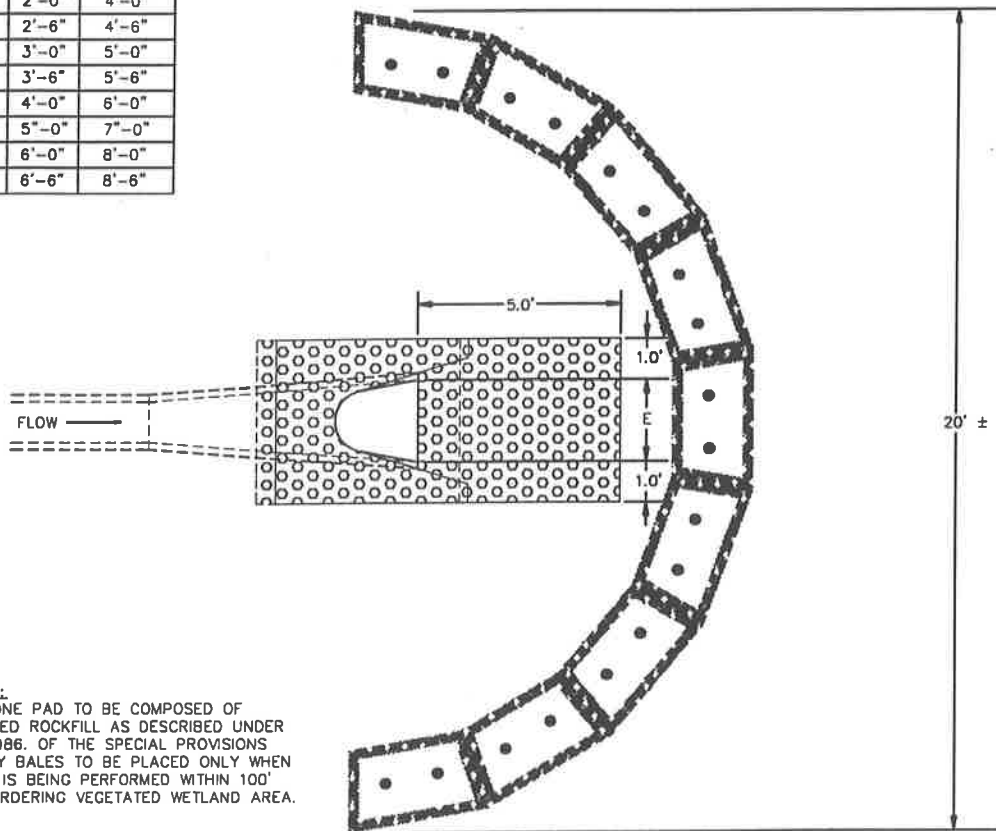
REPLACE DETERIORATED OUTLET - ADD STONE PAD

NOT TO SCALE



ELEVATION VIEW

DIA	E	PAD WIDTH
12"	2'-0"	4'-0"
15"	2'-6"	4'-6"
18"	3'-0"	5'-0"
21"	3'-6"	5'-6"
24"	4'-0"	6'-0"
30"	5'-0"	7'-0"
36"	6'-0"	8'-0"
42"	6'-6"	8'-6"



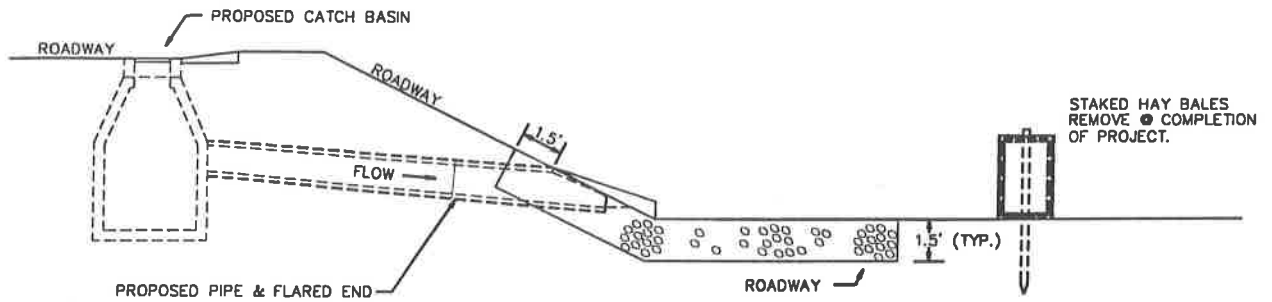
- NOTES:**
1. STONE PAD TO BE COMPOSED OF MODIFIED ROCKFILL AS DESCRIBED UNDER ITEM 986. OF THE SPECIAL PROVISIONS
 2. HAY BALES TO BE PLACED ONLY WHEN WORK IS BEING PERFORMED WITHIN 100' OF BORDERING VEGETATED WETLAND AREA.

PLAN VIEW

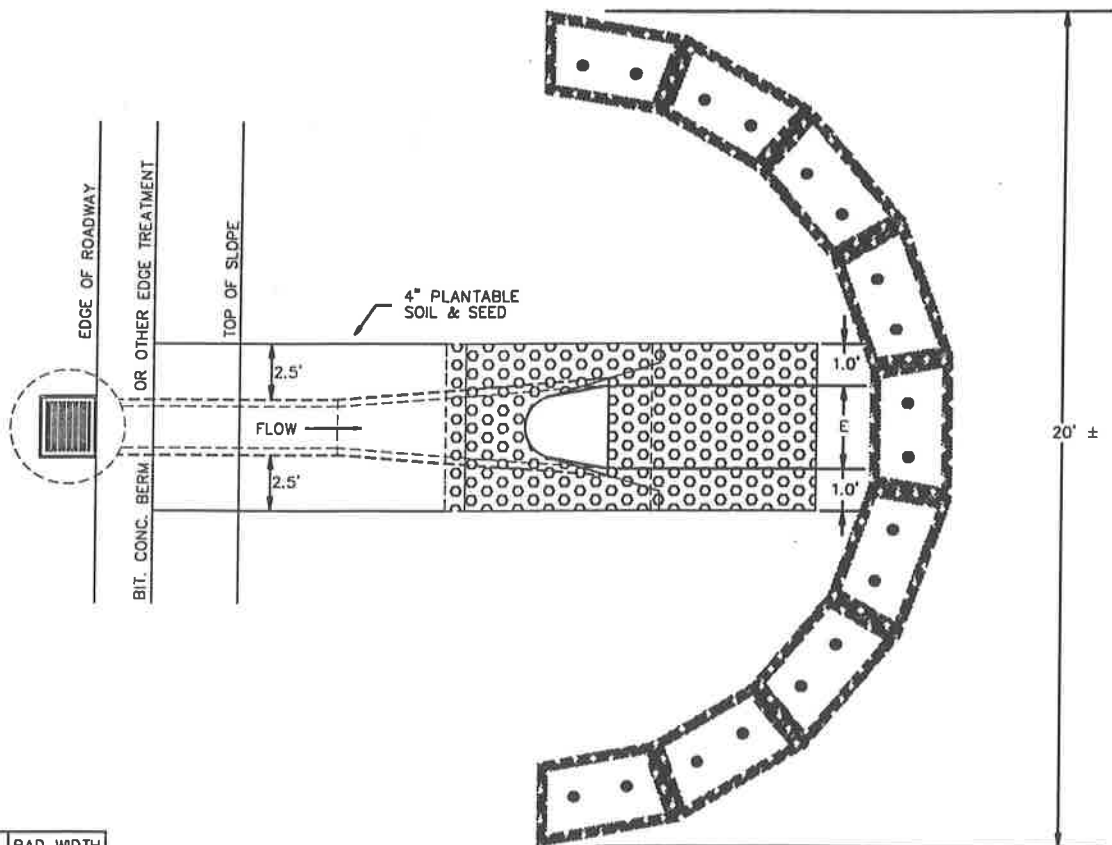
TYPICAL TYPE 5 TREATMENT

NEW BASIN WITH OUTLET & STONE PAD

NOT TO SCALE



ELEVATION



PLAN VIEW

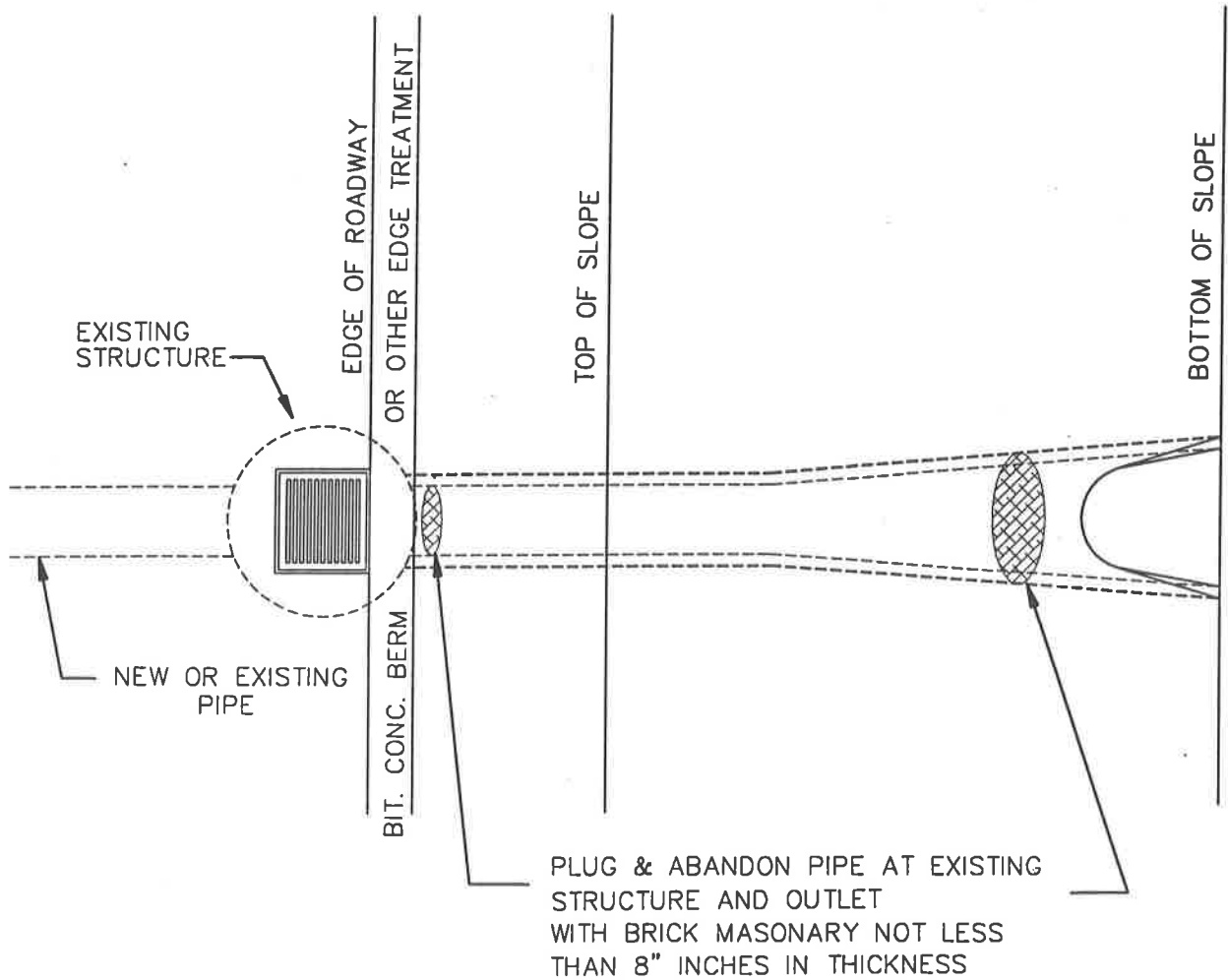
DIA	E	PAD WIDTH
12"	2'-0"	4'-0"
15"	2'-6"	4'-6"
18"	3'-0"	5'-0"
21"	3'-6"	5'-6"
24"	4'-0"	6'-0"
30"	5'-0"	7'-0"
36"	6'-0"	8'-0"

- NOTES:**
1. STONE PAD TO BE COMPOSED OF MODIFIED ROCKFILL AS DESCRIBED UNDER ITEM 986. OF THE SPECIAL PROVISIONS
 2. HAY BALES TO BE PLACED ONLY WHEN WORK IS BEING PERFORMED WITHIN 100' OF BORDERING VEGETATED WETLAND AREA.

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TYPICAL TYPE 6 TREATMENT
PLUG & ABANDON EXISTING OUTLET

NOT TO SCALE



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