

DATUM: NAVD 1988  
 BENCH: SNOHOMISH COUNTY SURVEY CONTROL POINT #12843  
 3 1/2" U.S.G.S. BRASS DISK SET IN THE N.E. CORNER  
 IN CONCRETE BUILDING (CITY HALL), 4.3' ABOVE A  
 CONCRETE WALK AT THE S.W. CORNER OF THE  
 INTERSECTION OF NORTH OLYMPIC AVENUE AND  
 3RD STREET IN THE CITY OF ARLINGTON.  
 ELEVATION = 119.36' NAVD 88

Removable Bollards shall be per detail Sheet D2.1

Limit of work

Relocate exist trail sign as directed in field.

Swale shall extend to existing catch basin. CB shall be lowered to be 12" above invert of swale, for overflow.

Gravel Parking Lot is currently partially paved. Contractor shall pave remaining portion with 3" HMA and 4" CSTC.

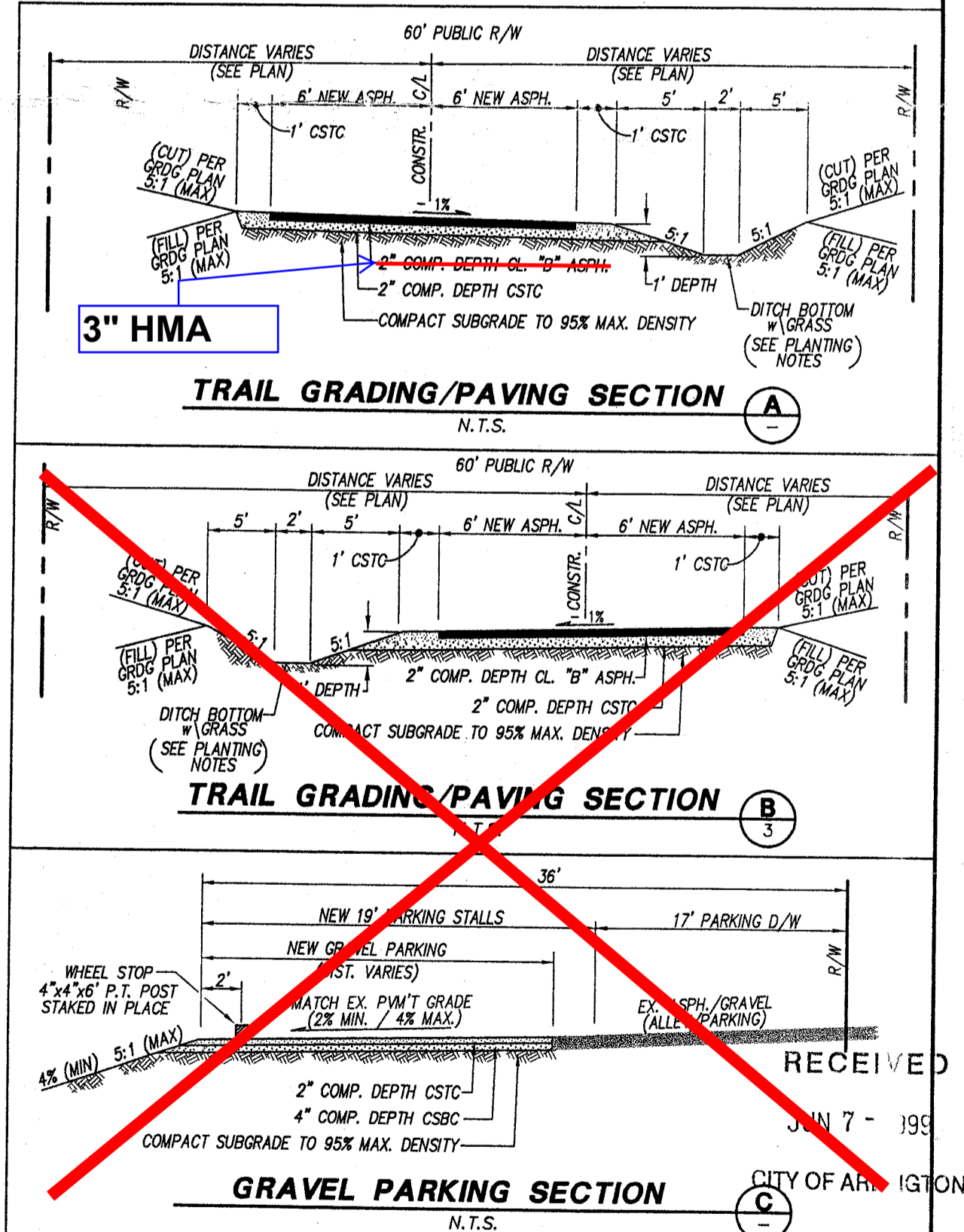
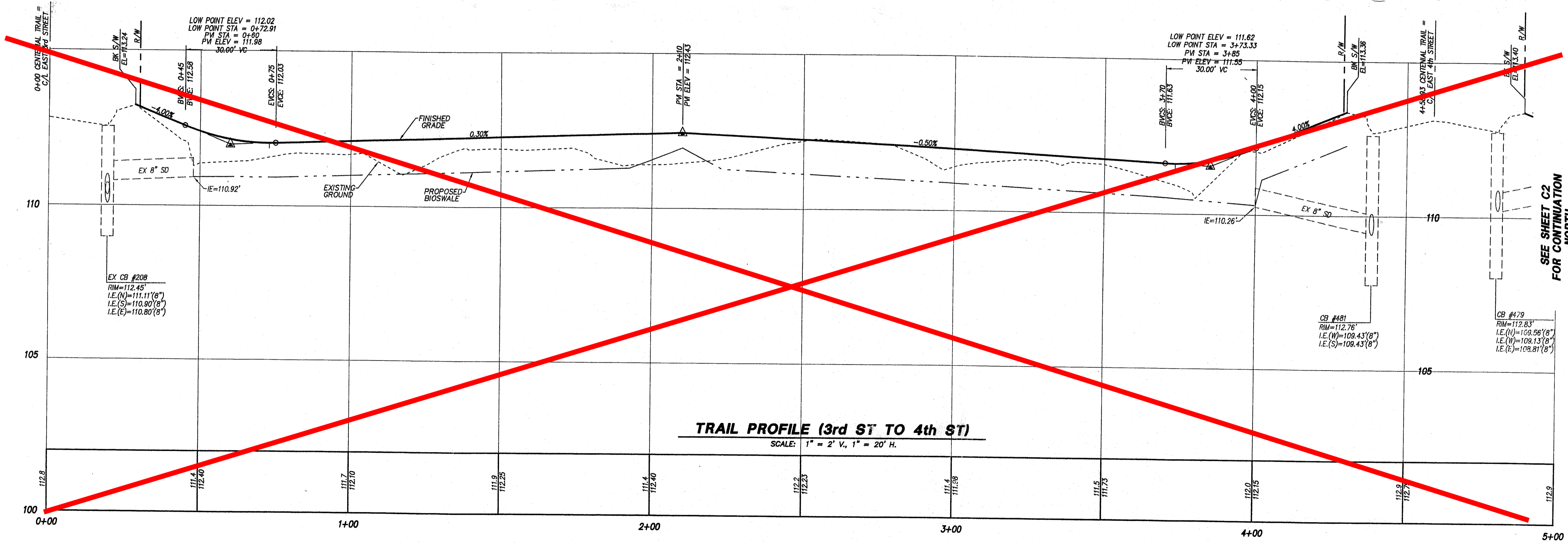
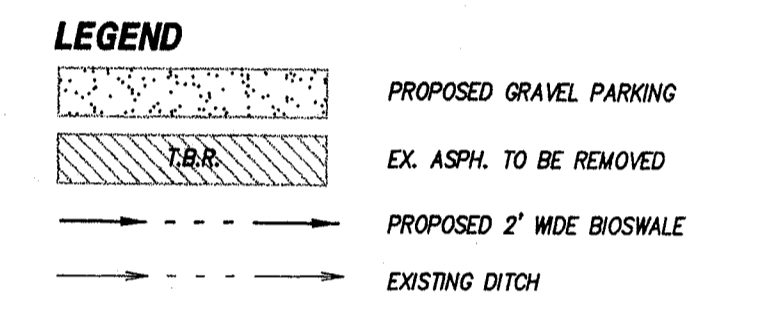
Demo exist asphalt between back of existing trail and new trail alignment

LINE TABLE

LINE	LENGTH	BEARING
L1	28.54	N01°33'25"E
L2	49.52	N16°59'08"W
L3	40.92	N26°24'42"W
L4	11.65	N00°00'00"E
L5	37.87	N08°10'22"E
L6	28.38	N12°44'55"W
L7	48.10	N26°49'13"W
L8	66.71	N00°46'41"E
L9	42.55	N28°08'44"W
L10	26.35	N35°34'16"E
L11	27.46	N17°19'24"W
L12	12.69	N29°30'53"E
L13	63.19	N03°46'41"E
L14	25.72	N48°33'10"W
L15	25.87	N27°17'43"E
L16	26.16	N27°17'43"E
L17	15.08	N00°46'41"E
L18	13.81	N38°43'05"W
L19	22.63	N31°51'07"E
L20	205.06	N00°46'41"E

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	100.00	5.07	02°54'17"	2.54
C2	100.00	11.38	06°31'17"	5.70
C3	32.00	31.62	56°36'52"	17.24
C4	50.00	26.36	30°12'09"	13.49
C5	100.00	14.26	08°10'21"	7.14
C6	60.00	22.40	21°23'37"	11.33
C7	60.00	41.44	39°34'08"	21.58
C8	30.00	27.27	26°02'32"	13.88
C9	30.00	23.43	44°44'21"	12.35
C10	60.00	68.14	85°07'20"	55.10
C11	40.00	48.39	69°18'23"	27.65
C12	40.00	44.43	63°43'00"	24.86
C13	40.00	36.93	52°53'40"	19.90
C14	40.00	32.70	46°50'17"	17.33
C15	40.00	20.06	28°44'12"	10.25
C16	40.00	18.51	26°31'03"	9.43
C17	40.00	27.57	39°29'46"	14.36
C18	40.00	48.27	70°34'07"	28.31
C19	40.00	21.69	31°04'21"	11.12
C20	50.00	37.91	43°26'13"	18.92
C21	32.00	41.78	74°48'24"	24.47
C22	40.00	38.47	56°32'26"	21.51



DATE	REVISION/ISSUED	CITY OF ARLINGTON
5/31/99	ISSUED	APPROVED FOR CONSTRUCTION

**PEAK ENGINEERING INC.**  
 1720 GROVE STREET, MARYSVILLE, WASHINGTON 98270  
 (360) 658-6986 FAX: (360) 658-7828

**SCOTT STEWART**  
 PROFESSIONAL ENGINEER  
 EXPIRES 07/16/01  
 DATE: 4/1/99

SURVEY & TOPOGRAPHIC INFORMATION PROVIDED BY:  
 METRON AND ASSOCIATES, INC.  
 307 N. OLYMPIC, STE 205  
 ARLINGTON, WASHINGTON 98287  
 360-435-3777

APPLICANT  
 CITY OF ARLINGTON

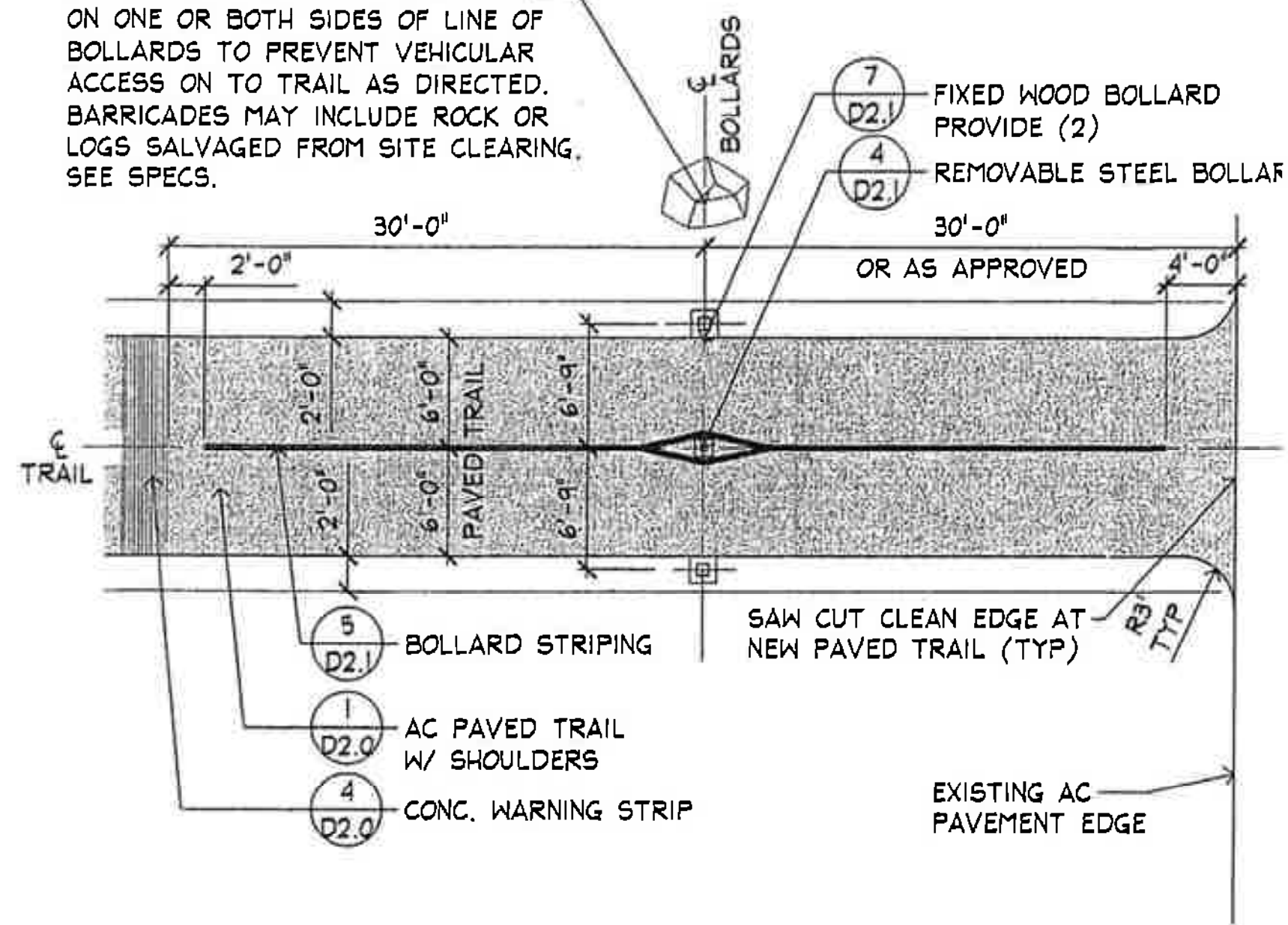
GRADING QUANTITIES  
 CUT: 1,000 CY's  
 FILL: 1,000 CY's

AS-BUILT DECLARATION  
 WE HEREBY DECLARE THAT ROAD AND STORM DRAINAGE IMPROVEMENTS ARE LOCATED AS SHOWN ON THESE RECORD DRAWINGS.

**CENTENNIAL TRAIL**  
 CENTRAL TRAIL SEGMENT  
 (3rd STREET TO 4th STREET)  
 TESC, GRADING & DRAINAGE PLAN

PROJECT NO. 99228  
 DWG C1  
 4

PROVIDE ADDITIONAL BARRICADES ON ONE OR BOTH SIDES OF LINE OF BOLLARDS TO PREVENT VEHICULAR ACCESS ON TO TRAIL AS DIRECTED. BARRICADES MAY INCLUDE ROCK OR LOGS SALVAGED FROM SITE CLEARING. SEE SPECS.

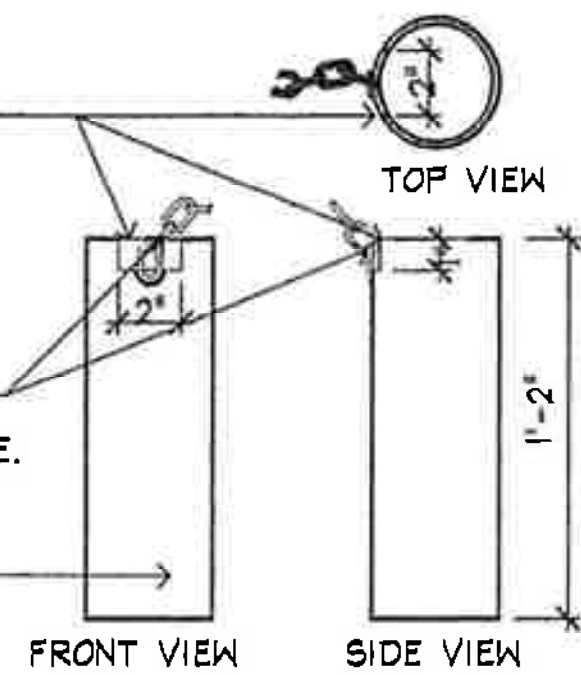


**1 TYPICAL APPROACH TO CROSSING**

SCALE: 1/8" = 1'-0"

CUT AND REMOVE 1" X 2" SLOT IN 4" PIPE TO ACCOMMODATE CHAIN. GRIND EDGES SMOOTH.

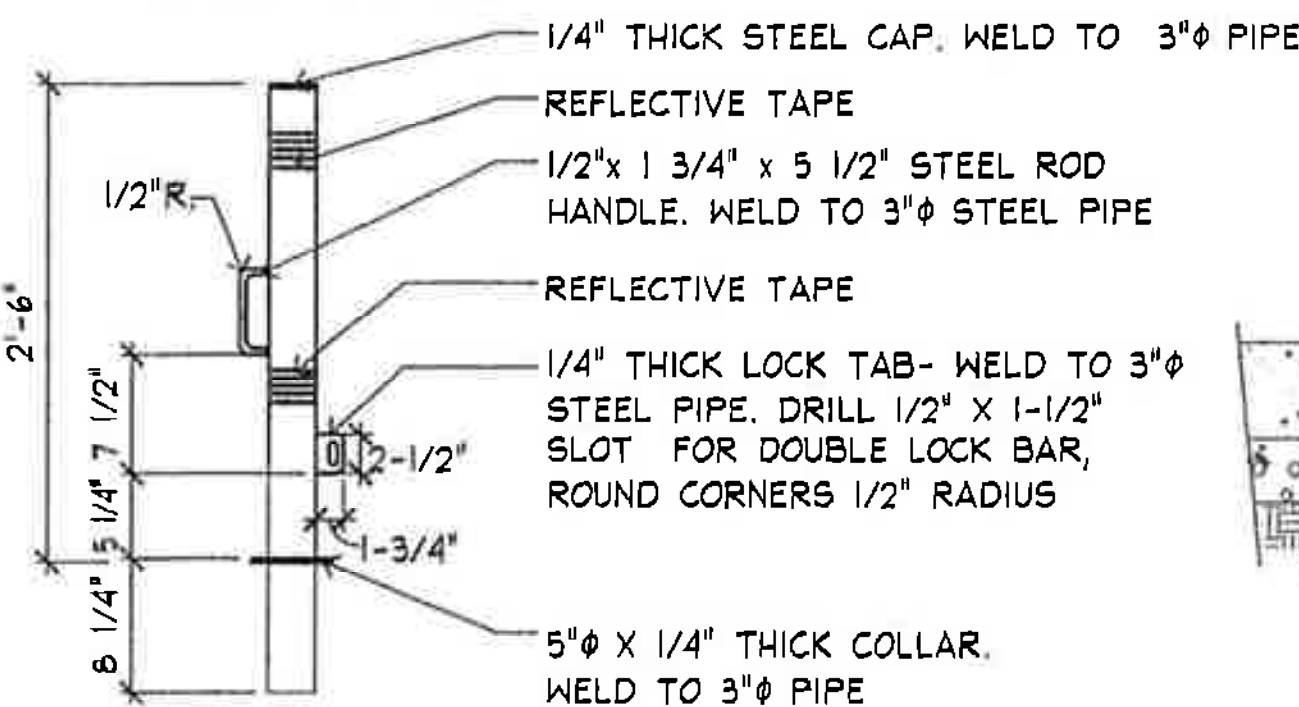
1/4" STEEL CHAIN, 10" LENGTH. WELD TO 4" PIPE.  
1'-2" LONG, 4" SCH 40 STEEL PIPE



**C GALVANIZED PIPE SLEEVE**

5" COLLAR  
3" SCH. 40 STEEL PIPE  
STEEL LOCK TAB  
STEEL ROD HANDLE

BOLLARD PLAN VIEW



**A BOLLARD ELEVATION**

**4 REMOVABLE STEEL BOLLARD**

SCALE: NOT TO SCALE

3/8" X 1" X 4" STEEL FLAT BAR - 5/8" HOLE DRILLED IN EACH END  
PADLOCK (TYP.)

CUT AND REMOVE 3" X 1/2" SLOT IN 1/4" THICK STEEL CAP FOR LOCK TAB. GRIND EDGES SMOOTH.

1/4" THICK STEEL CAP  
1/4" STEEL CHAIN, 10" LENGTH. WELD TO BOTTOM OF 1/4" STEEL CAP.

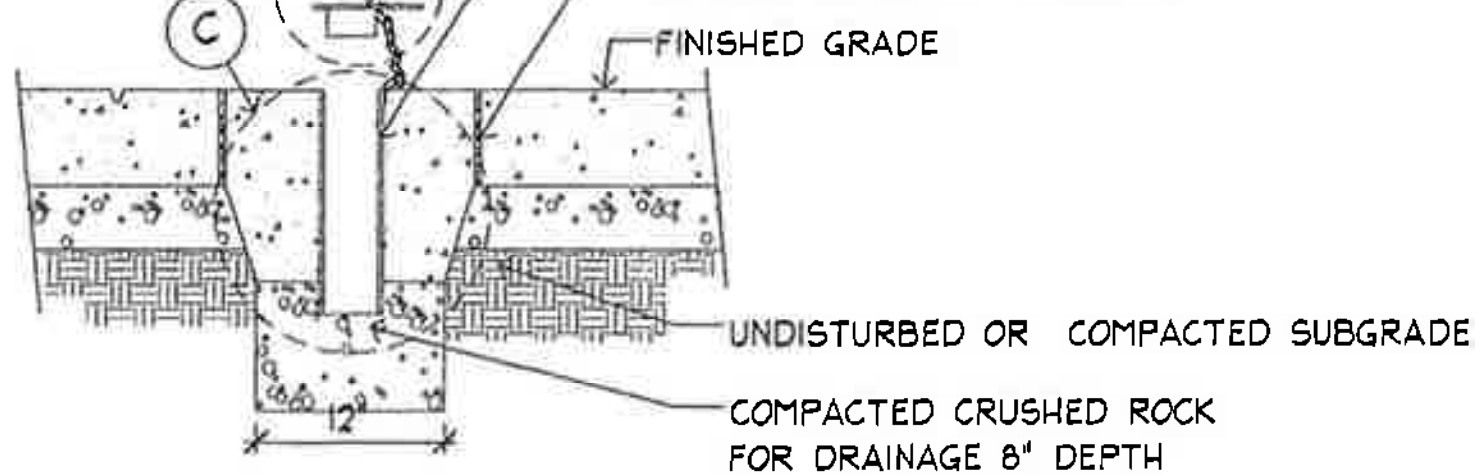
3" SCH. 40 PIPE - 2" LENGTH. WELD TO STEEL CAP  
1/4" STEEL CHAIN, 10" LENGTH. WELD TO BOTTOM OF 1/4" STEEL CAP.

3" SCH. 40 PIPE - 2" LENGTH. WELD TO STEEL CAP  
CUT AND REMOVE 2" WIDE X FULL DEPTH SLOT IN 3" PIPE PRIOR TO ATTACHMENT. GRIND EDGES SMOOTH.

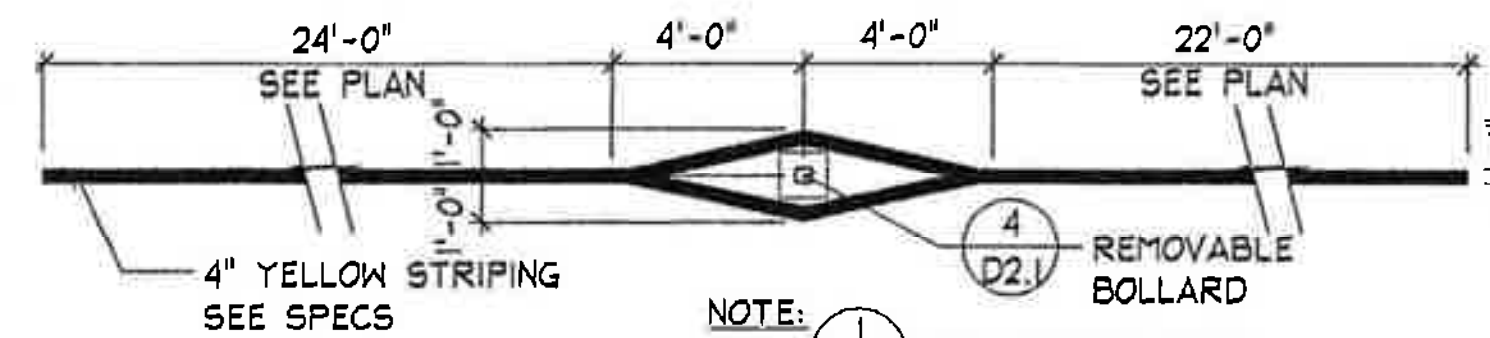
**D STEEL LID**

STEEL LID WITH CONNECTING CHAIN PROVIDE 3/8" RECESS IN CONCRETE TO ACCOMMODATE CAP

4" SCH. 40 STEEL PIPE SLEEVE. SET TOP AT 3/8" BELOW FINISHED GRADE FORM CONCRETE TO ACCOMMODATE CHAIN  
CONCRETE PAVING, THICKEN TO 12" DEPTH AND INSTALL EXPANSION MATERIAL



**B SLEEVE IN CONCRETE SECTION VIEW**



**5 BOLLARD STRIPING**

SCALE: 1/4" = 1'-0"

45° CHAMFER  
AFFIX REFLECTIVE BUTTON HERE AND ON OPPOSITE SIDE PER WSDOT SPECS.

8" X 8" ROUGH SAWN PRESSURE TREATED WOOD POST 4'-6" INSIDE DIMENSION, SET PLUMB

FINISH GRADE

CONCRETE

UNDISTURBED SUB-GRADE

**7 FIXED WOOD BOLLARD**

SCALE: 1" = 1'-0"

REVISIONS:	DATE

**CENTENNIAL TRAIL**

SCALE: AS NOTED  
DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
JOB NO.: \_\_\_\_\_

**CONSTRUCTION DETAILS**

SHEET  
**D2.1**