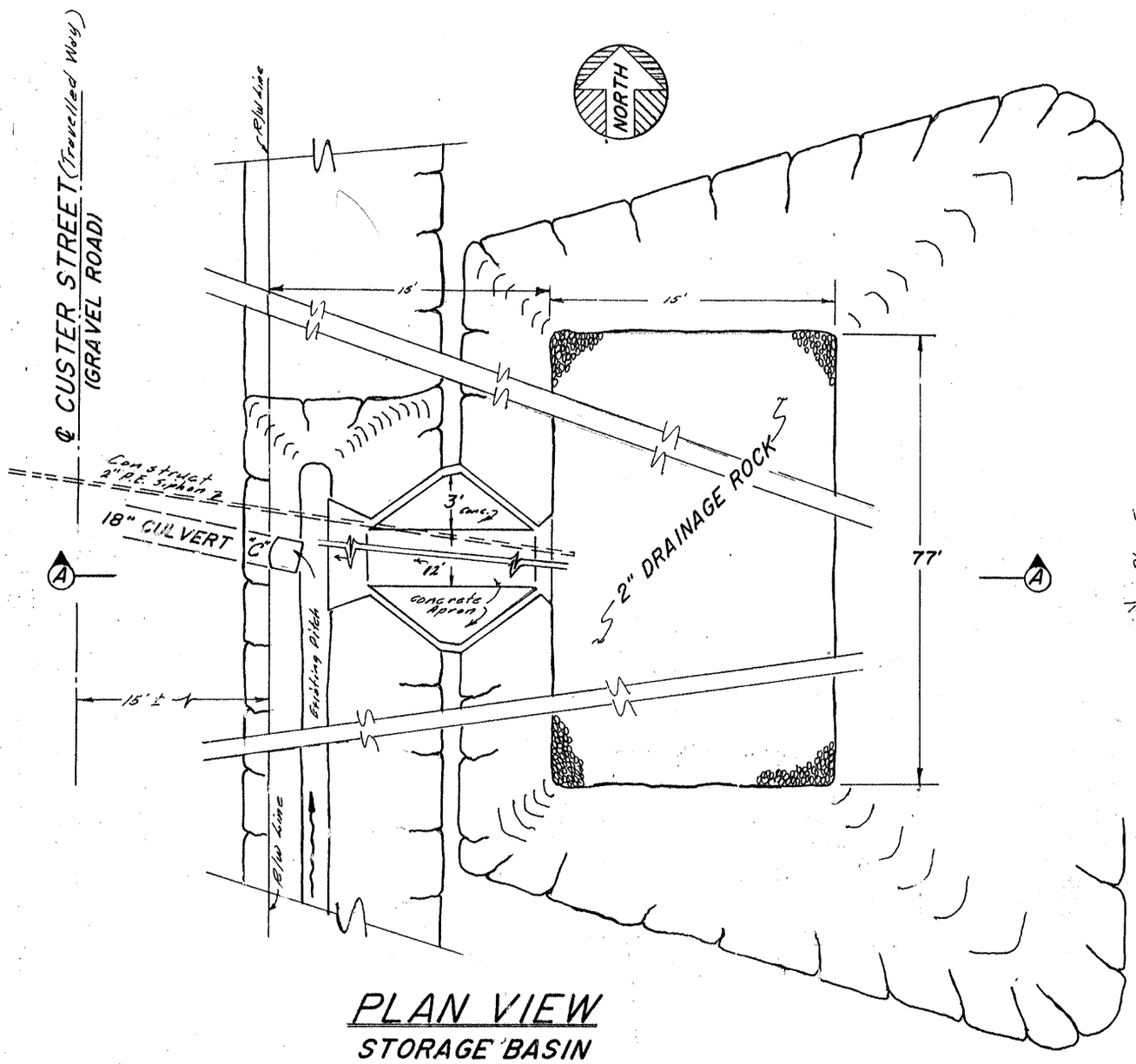
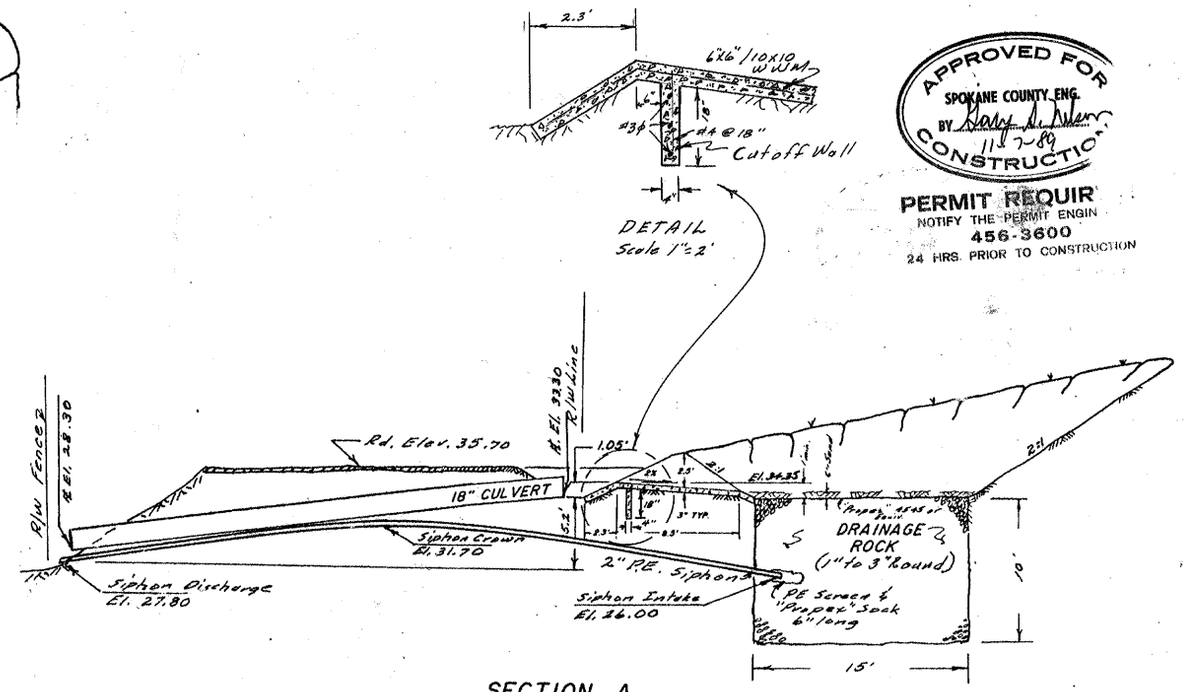
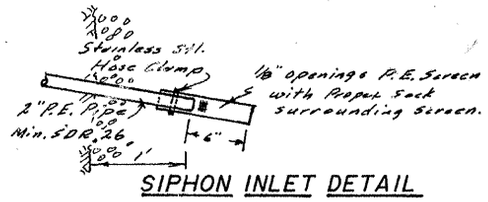


PLAN VIEW
STORAGE BASIN
219' SOUTH OF 57th



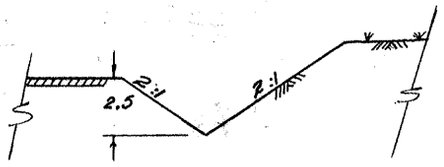
SECTION A
(NTS)



SIPHON INLET DETAIL
(NTS)

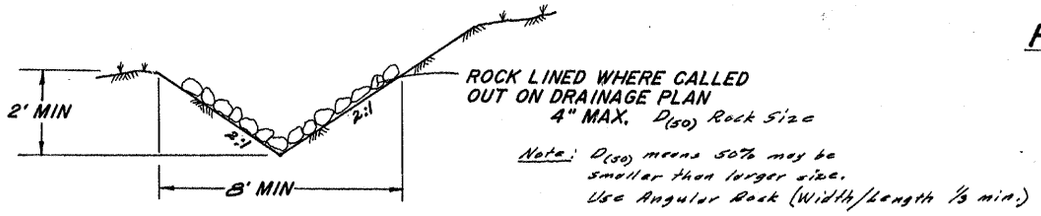
APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY Gary A. Nelson 11-7-89

PERMIT REQUIR
NOTIFY THE PERMIT ENGIN
456-3600
24 HRS. PRIOR TO CONSTRUCTION



ROADWAY DITCH SECTION "B-B"
N.T.S.
Custer St: Sta. 0+45 to Sta. 6+00
S= 0.047 (Average)

DEVELOPER APPROVAL
DATE 11-7-89



OPEN DITCH SECTION "A-A"
N.T.S.

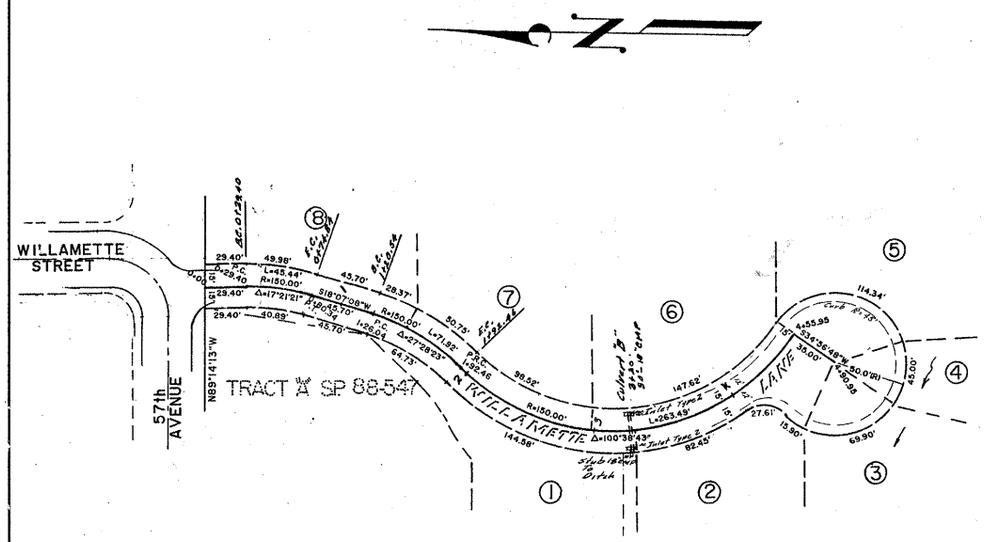
J. PAUL RAMER
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER AND LAND SURVEYOR

DRAINAGE PLAN

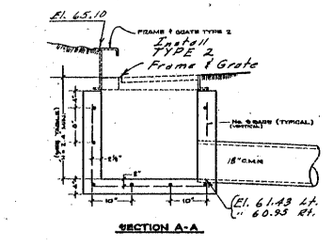
Gen. Revisions 6/10/89 JPR
Rev. 2/28/89 Chg. Slopes from 1½:1 to 2:1 JPR
Add "Proper"

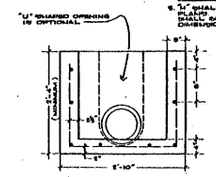
J. PAUL RAMER & ASSOCIATES, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
N. 10115 NEWPORT HWY., SPOKANE, WASHINGTON 99208 (509) 467-5261

Date: 12/30/88 Scale: 1" = 5' Drawn: GWR Checked: Field Book:	CRAIG JACOBS SOUTH 6107 RANCH PARK LANE SPOKANE, WASHINGTON 99206	Project No. 89020 Sht 2 of 2



A
PRIVATE ROAD





NOTES...

1. REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 'A'. ALL PRECAST CONCRETE SHALL BE CLASS 'AX'.
2. CONCRETE INLETS SHALL BE SET ON COMPACTED OR UNDISTURBED FOUNDATION.
3. BASE WALLS MAY ALSO BE CONSTRUCTED OF CEMENT CONCRETE BLOCKS.
4. A REINFORCING ALTERNATIVE UTILIZING 4 x 4 W 2.0 x W 2.0 (4 x 4 8/8) WELDED WIRE FABRIC MAY BE USED. LAP FABRIC 8" MINIMUM.

PIPE DIAMETER	"H"
10"	2'-4"
12"	2'-8½"
16"	2'-9"
18"	3'-0"
21"	3'-6"
24"	3'-6"

← TABLE
← H (Min.)

5. "H" SHALL BE SHOWN ON THE CONSTRUCTION PLANS. MORTARED MASONARY BRICKS SHALL BE USED FOR ADJUSTING TO SPECIFIED DIMENSION.

STANDARD
CONCRETE INLET TYPE 2
FOR CURB & GUTTER CASTINGS

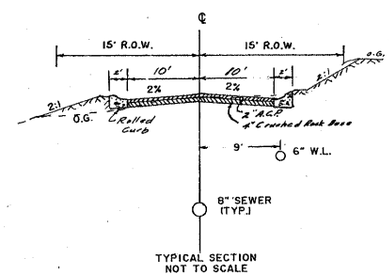
OFFICE OF
COUNTY ENGINEER
SPOKANE COUNTY, WASHINGTON
APPROVED ..... SPOKANE COUNTY ENG'R.
DATE 12-20-78

NOT TO SCALE

SHEET D-6

APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY 11-7-89

PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION



TYPICAL SECTION
NOT TO SCALE

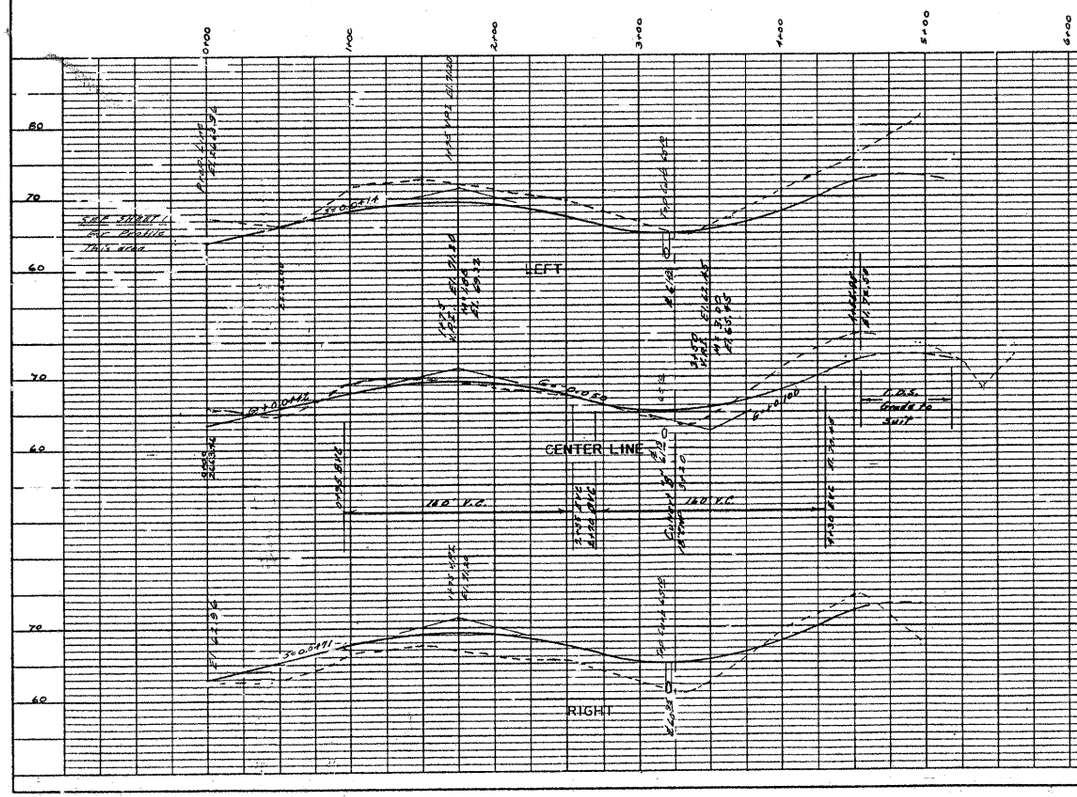
DEVELOPER APPROVAL
DATE 11-7-89

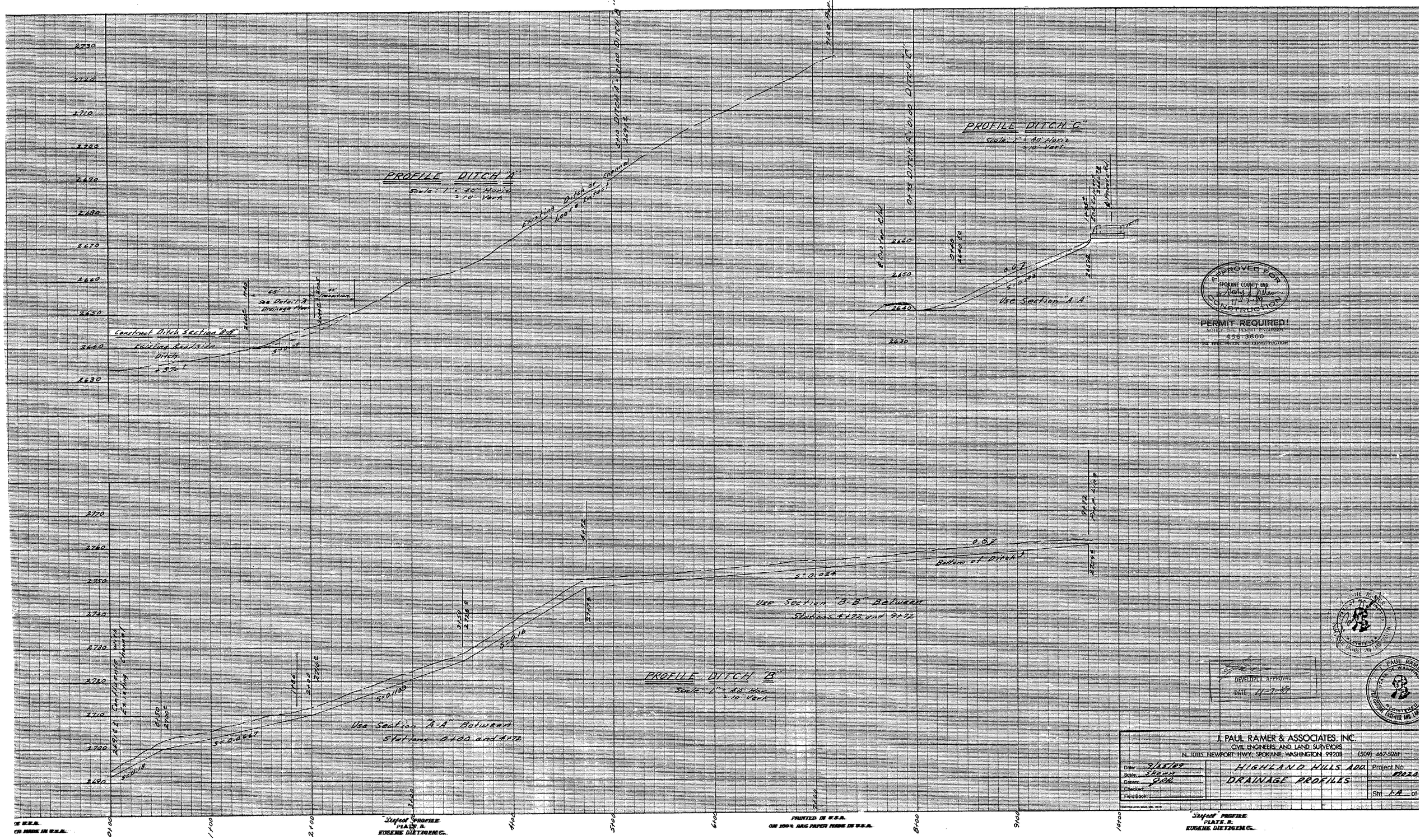
J. PAUL RAMER
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER AND LAND SURVEYOR

HIGHLAND HILLS ADDITION

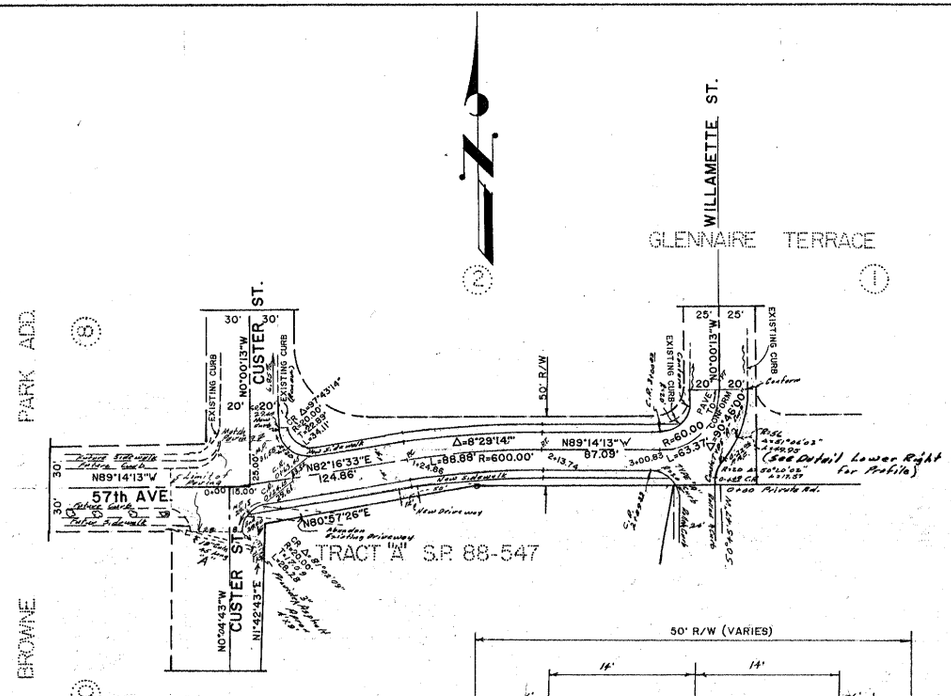
REVISIONS	WILLAMETTE LANE (A PRIVATE ROAD)
	DR. CRAIG JACOBS S. 6107 RANCH PARK LANE SPOKANE, WA. 99206

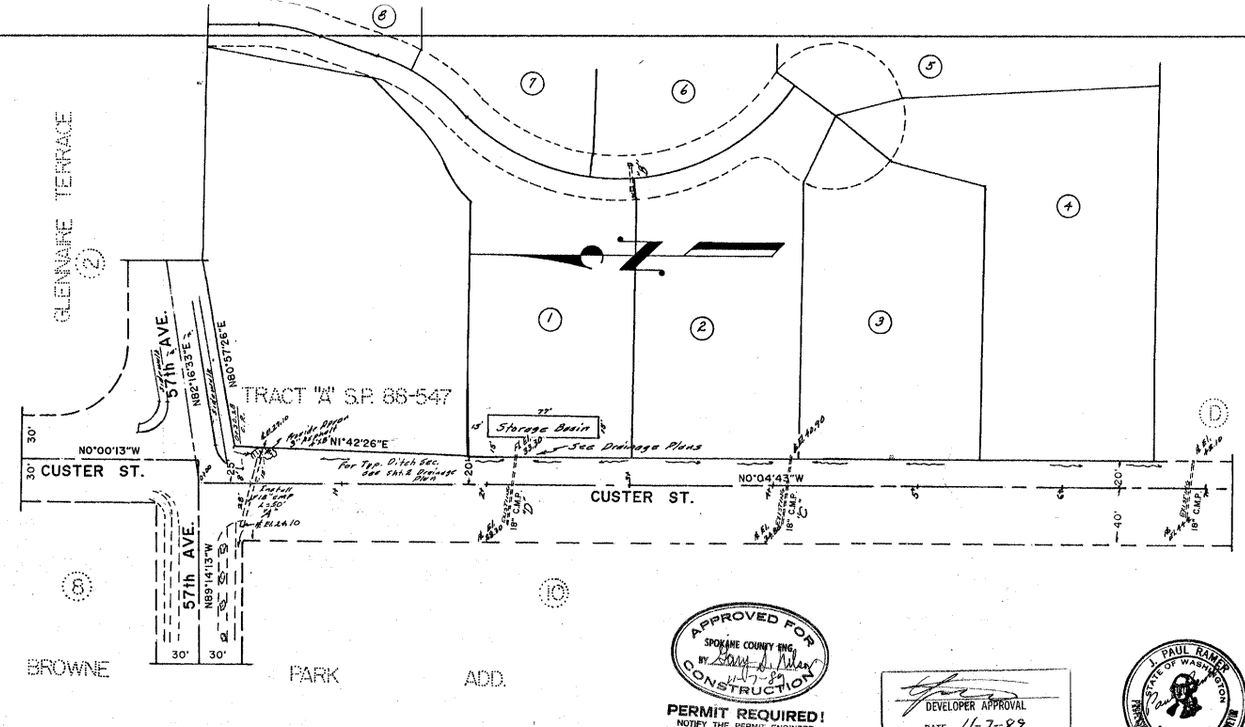
Date 13 FEB. 1989 Drawn DWM Checked Field Book	SCALE Horizontal 1"=50' Vertical 1"=10'	J. Paul Ramer & Associates, Inc. Consulting Civil Engineers & Land Surveyors P.O. Box 18779 Spokane, Washington 99208-0779 Phone — 487-5261	Project No. 99020 Sht 2 of 2





LP1563-DRAIN-2.TIF





TBM East Headbolt Fire Hyd. 57th & WILLAMETTE
ELEV. 2663.46 (City Datum)

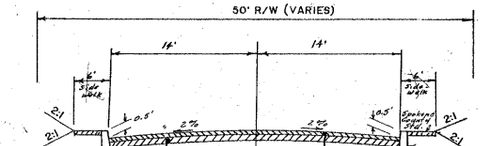
APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY 11-7-89

PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION

DEVELOPER APPROVAL
DATE 11-7-89

J. PAUL RAMER
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER AND LAND SURVEYOR

50' R/W (VARIES)



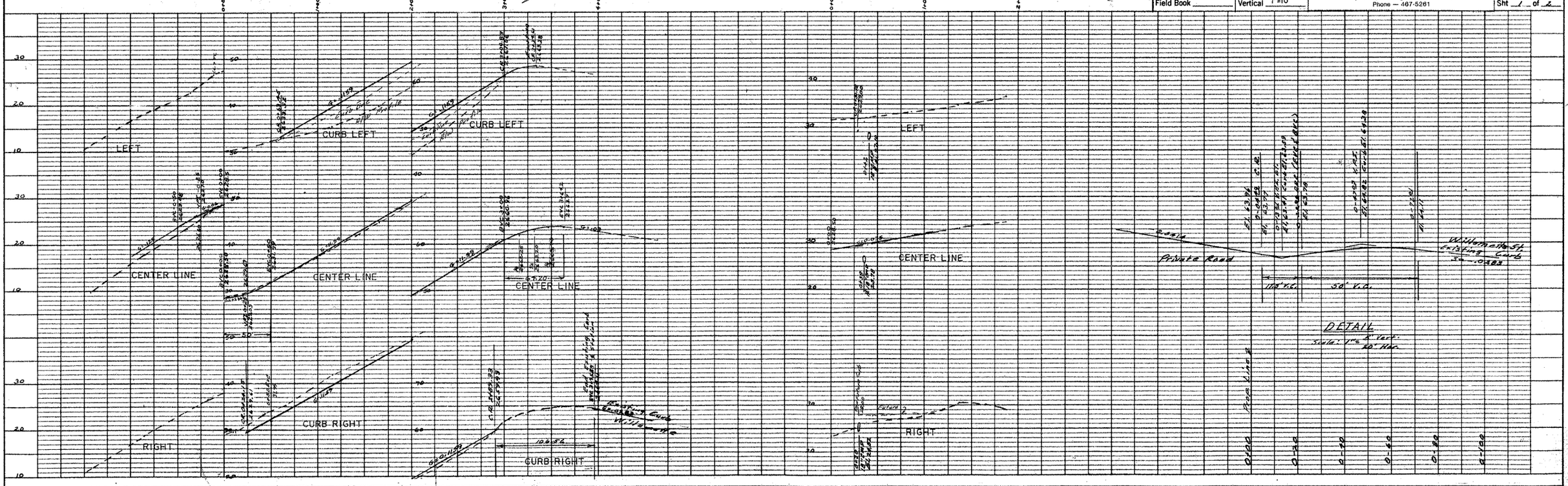
* 6" COMPACTED DEPTH CRUSHED SURFACING TOP COURSE, W.S.H.D. SPEC.

TYPICAL SECTION NOT TO SCALE

2" COMPACTED DEPTH CLASS "B" A.C. W.S.H.D. SPEC.

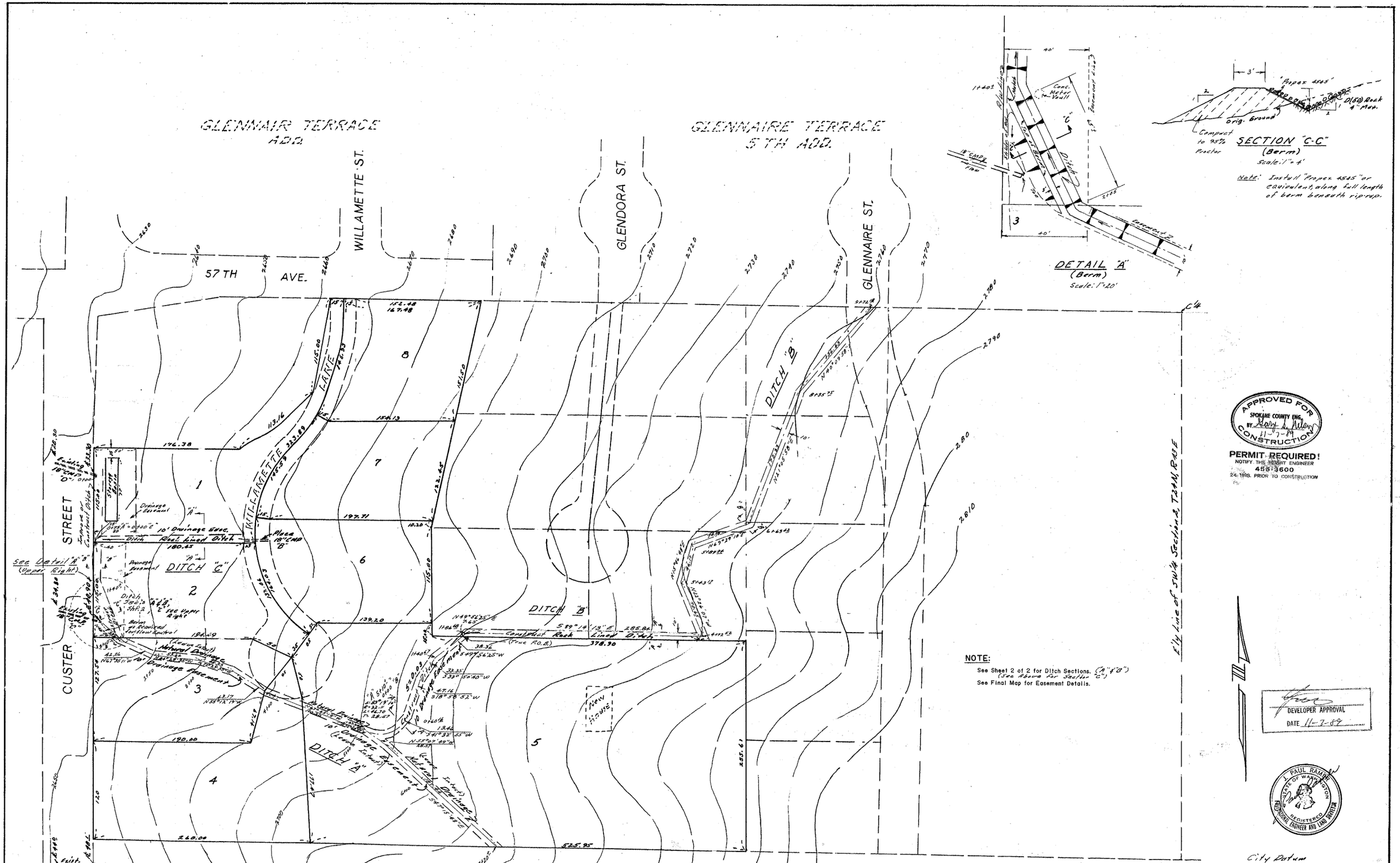
Construction of sidewalks shown hereon are not a required improvement pertinent to the HIGHLAND HILLS development.

* IF SILTY SOIL CONDITIONS ARE ENCOUNTERED ADDITIONAL SURFACING SHALL BE USED AS DIRECTED BY CO. ENG.



REVISIONS	STREET PLANS 57th AVE. & CUSTER ST.
	DR.CRAIG JACOBS S. 6107 RANCH PARK LANE SPOKANE, WA. 99206

Date 13 FEB. 1989 Drawn DWM Checked Field Book	SCALE Horizontal 1"=50' Vertical 1"=10'	J. Paul Ramer & Associates, Inc. Consulting Civil Engineers & Land Surveyors P.O. Box 18779 Spokane, Washington 99208-0779 Phone — 467-5261	Project No. 89020 Sht 1 of 2



NOTE:

See Sheet 2 of 2 for Ditch Sections. (See above for Section "C")
See Final Map for Easement Details.

REVISIONS	

HIGHLAND HILLS ADDITION

DRAINAGE PLAN

Date 3/5/89	SCALE	J. Paul Ramer & Associates, Inc.	Project No.
Drawn JPR	Horizontal 1"= 50'	Consulting Civil Engineers & Land Surveyors	89020
Checked	Vertical NA	P.O. Box 18779	
Field Book		Spokane, Washington 99208-0779	Sht 1 of 2
		Phone — 467-5261	