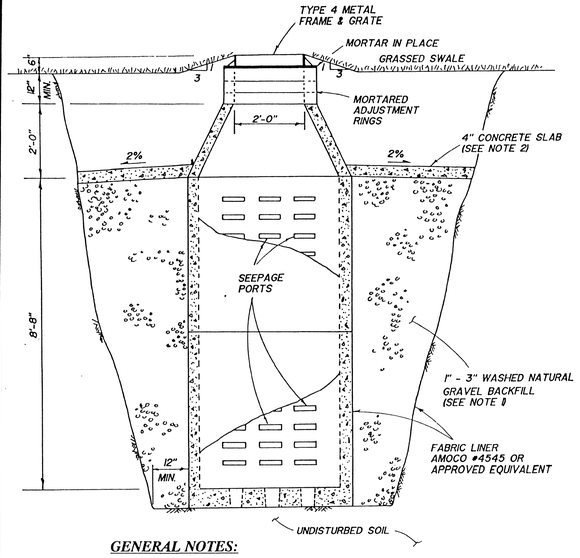
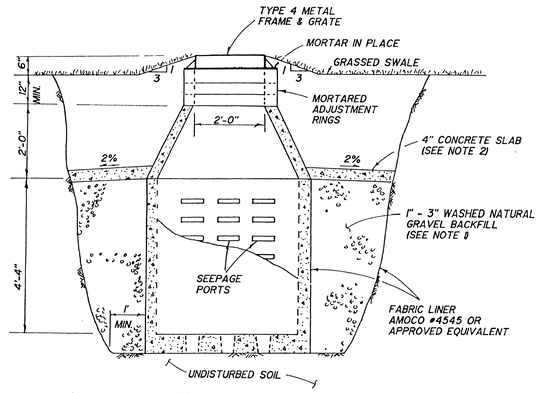


GENERAL NOTES:

1. GRAVEL BACKFILL QUANTITY FOR DRYWELL TYPE "B" - 40 CUBIC YARDS MINIMUM / 56 TONS
2. CONCRETE SLAB SHALL BE CLASS 3000 CONCRETE.
3. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE.
4. PRECAST RISER MAY BE USED IN COMBINATION WITH OR IN LIEU OF ADJUSTING BLOCKS.

DRYWELL - TYPE "B"

SCALE: 1" = 2'-0"

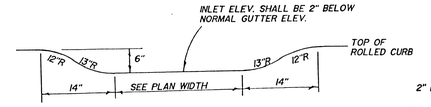


GENERAL NOTES:

1. GRAVEL BACKFILL QUANTITY FOR DRYWELL TYPE "A" - 30 CUBIC YARDS MINIMUM / 42 TONS
2. CONCRETE SLAB SHALL BE CLASS 3000 CONCRETE.
3. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE.
4. PRECAST RISER MAY BE USED IN COMBINATION WITH OR IN LIEU OF ADJUSTING BLOCKS.

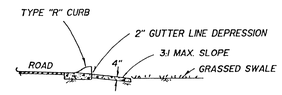
DRYWELL - TYPE "A"

SCALE: 1" = 2'-0"

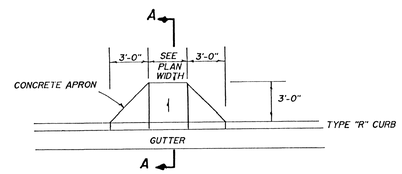


CURB DROP

N.T.S.



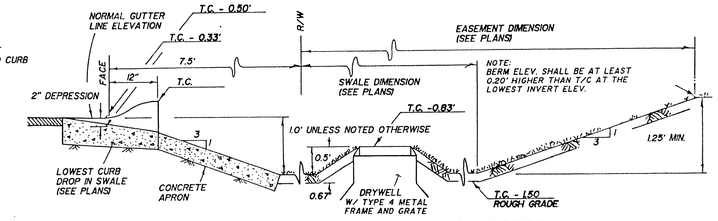
SECTION A-A



PLAN

CURB DROP APRON

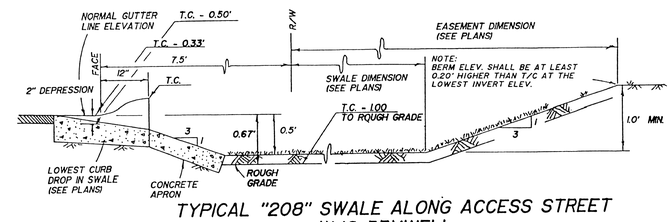
SCALE: 1" = 5'-0"



TYPICAL "208" SWALE ALONG ACCESS STREET WITH DRYWELL

N.T.S.

NOTE: SWALES ARE TO BE LANDSCAPED AT LOT OWNER'S DISCRETION.



TYPICAL "208" SWALE ALONG ACCESS STREET W/O DRYWELL

N.T.S.

SWALE INFORMATION

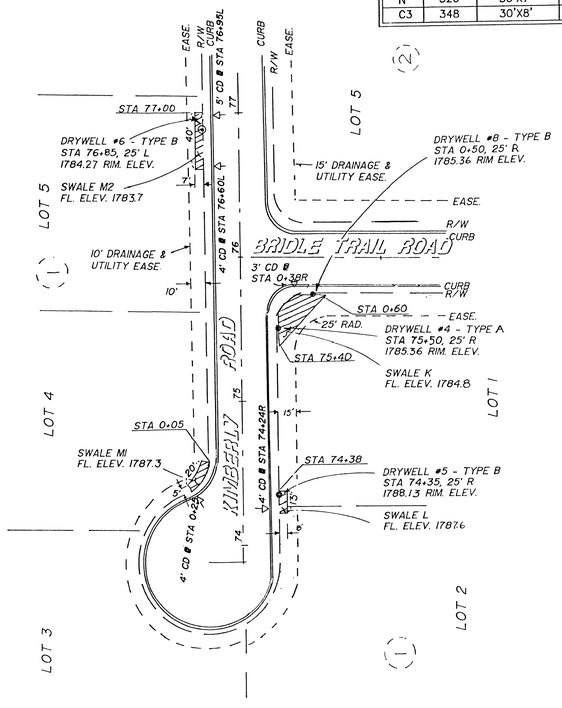
SWALE	REQ. VOLUME (cu. ft.)	FLOOR DIMENSIONS	DEPTH	VOLUME (cu. ft.)	BEGIN STATION	END STATION	BOTTOM ELEVATION
H	200	18'X7'	12"	201	83+32L KIMBERLY	83+50L KIMBERLY	1784.9
I	251	21'X8'	12"	255	83+29R KIMBERLY	83+50R KIMBERLY	1784.9
J1	591	53'X8'	12"	607	79+08R KIMBERLY	79+61R KIMBERLY	1781.5
K	611	b=50' h=20'	12"	665	75+40R KIMBERLY	0+60R BRIDLE TRAIL	1784.8
L	102	13'X8'	12"	167	74+25R KIMBERLY	74+38R KIMBERLY	1787.6
M1	543	20'X5'	12"	163	0+5L CUL-DE-SAC	0+25L CUL-DE-SAC	1787.3
M2		40'X7'	12"	421	76+60L KIMBERLY	77+00L KIMBERLY	1783.7
N	520	50'X7'	12"	521	79+00L KIMBERLY	79+50L KIMBERLY	1781.5
C3	348	30'X8'	12"	354	86+45R KIMBERLY	86+75R KIMBERLY	1786.5

CURB DROP INFORMATION

SWALE	STATION	CURB DROP WIDTH	NORMAL T.C. ELEVATION
H	83+38L KIMBERLY RD.	2'	1786.30
I	83+38R KIMBERLY RD.	3'	1786.30
J1	79+34R KIMBERLY RD.	4'	1782.85
K	0+38R BRIDLE TRAIL RD.	3'	1786.19
L	74+24R KIMBERLY RD.	4'	1788.96
M1	0+25L CUL-DE-SAC	4'	1788.66
M2	76+60L KIMBERLY RD.	4'	1785.45
M2	76+95L KIMBERLY RD.	5'	1785.10
N	79+34L KIMBERLY RD.	4'	1782.85
C3	86+60R KIMBERLY RD.	3'	1787.87

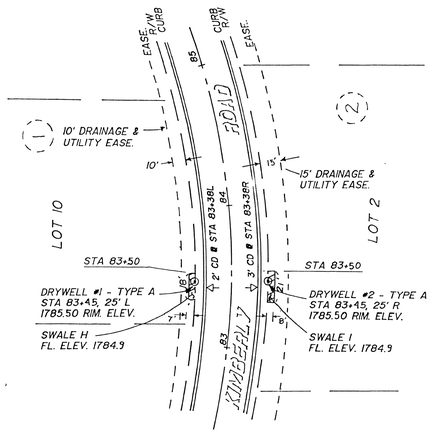
DRYWELL INFORMATION

DRYWELL NUMBER	DRYWELL TYPE	STATION	SWALE	OFFSET FROM CENTERLINE	RIM ELEVATION
1	A	83+45 KIMBERLY RD.	H	25' LEFT	1785.50
2	A	83+45 KIMBERLY RD.	I	25' RIGHT	1785.50
3	A	79+40 KIMBERLY RD.	J1	25' RIGHT	1782.02
4	A	75+50 KIMBERLY RD.	K2	25' RIGHT	1785.36
5	B	74+35 KIMBERLY RD.	L1	25' RIGHT	1788.13
6	B	76+85 KIMBERLY RD.	M2	25' LEFT	1784.27
7	A	79+40 KIMBERLY RD.	N	25' LEFT	1782.02
8	B	0+50 BRIDLE TRAIL RD.	K2	25' RIGHT	1785.36



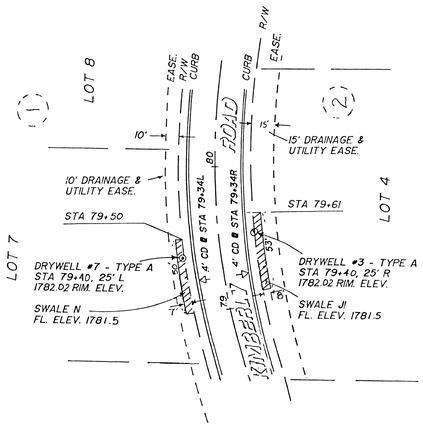
SWALE K, LI, L2, MI & M2 DETAIL

SCALE: 1" = 50'



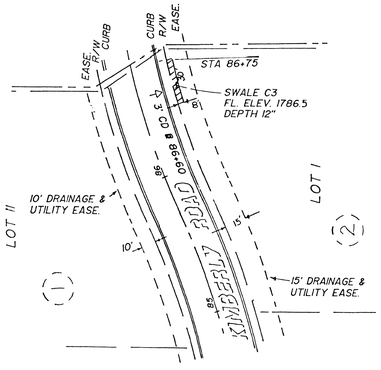
SWALE H & I DETAIL

SCALE: 1" = 50'



SWALE N & JI DETAIL

SCALE: 1" = 50'



SWALE C3 DETAIL

SCALE: 1" = 50'

Douglas W. Burks 8.10.98

SCALE: 1" = 50'

0 20 40 100 FEET

10 30 50 150

DEVELOPER'S APPROVAL

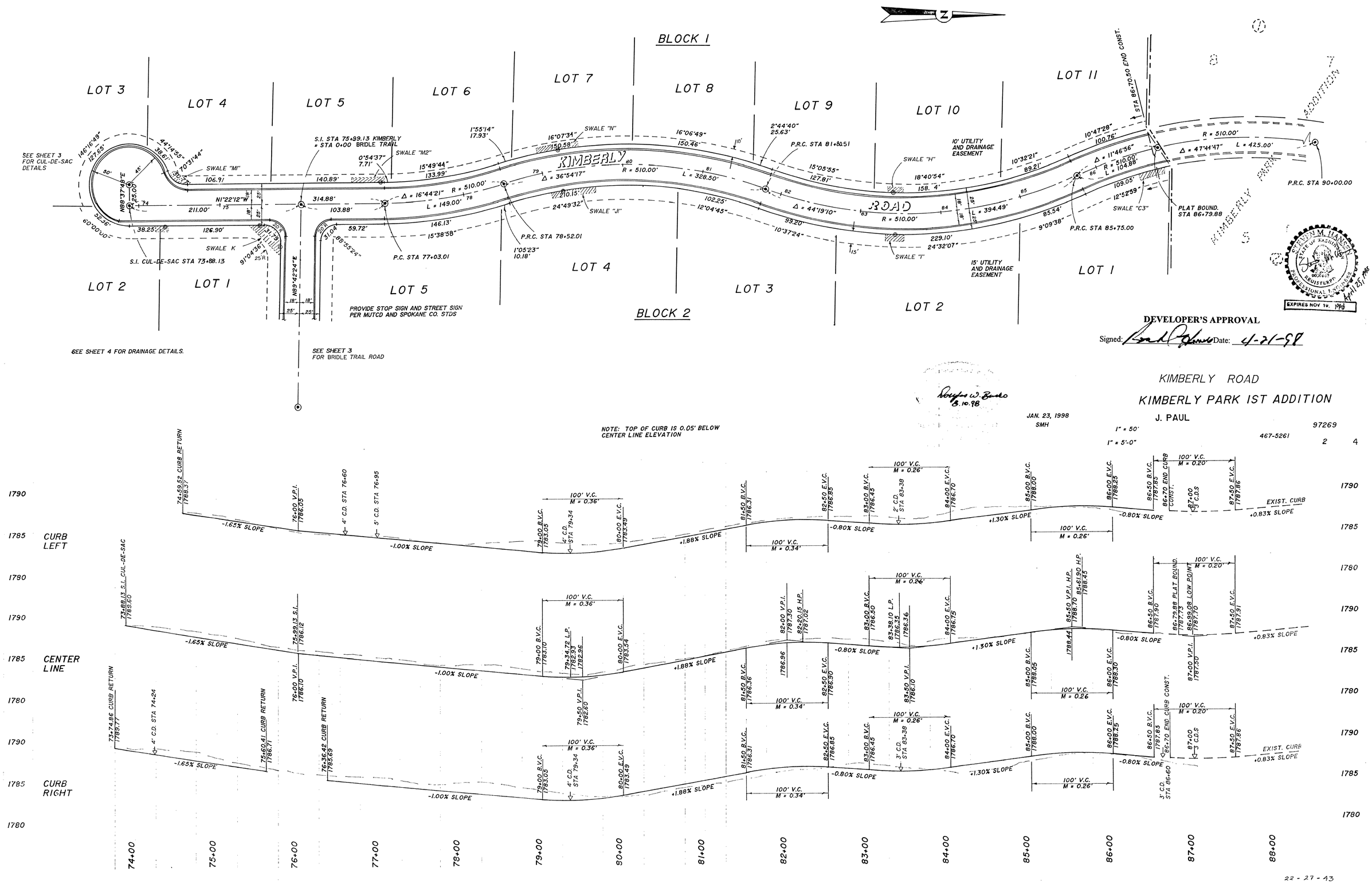
Signed: [signature] Date: 4-27-98

STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 13036 April 23, 1998

EXPIRES NOV 19, 1998

REVISIONS		DRAINAGE DETAILS
		KIMBERLY PARK 1st ADDITION - PN 1713-96

Date MARCH 1998	SCALE	J. PAUL RAMER & ASSOC., INC.	Project No. 97269
Drawn TMJ	Horizontal	CIVIL ENGINEERS & LAND SURVEYORS	
Checked SMH	Vertical	N. 10115 NEWPORT HWY. PH: 509-467-5261	
Field Book		SPOKANE, WASHINGTON 99208	Sht 4 of 4



DEVELOPER'S APPROVAL

Signed: [signature] Date: 4-21-98

KIMBERLY ROAD

KIMBERLY PARK 1ST ADDITION

J. PAUL

JAN. 23, 1998

SMH

1" = 50'

1" = 5'-0"

467-5261

97269

2 4

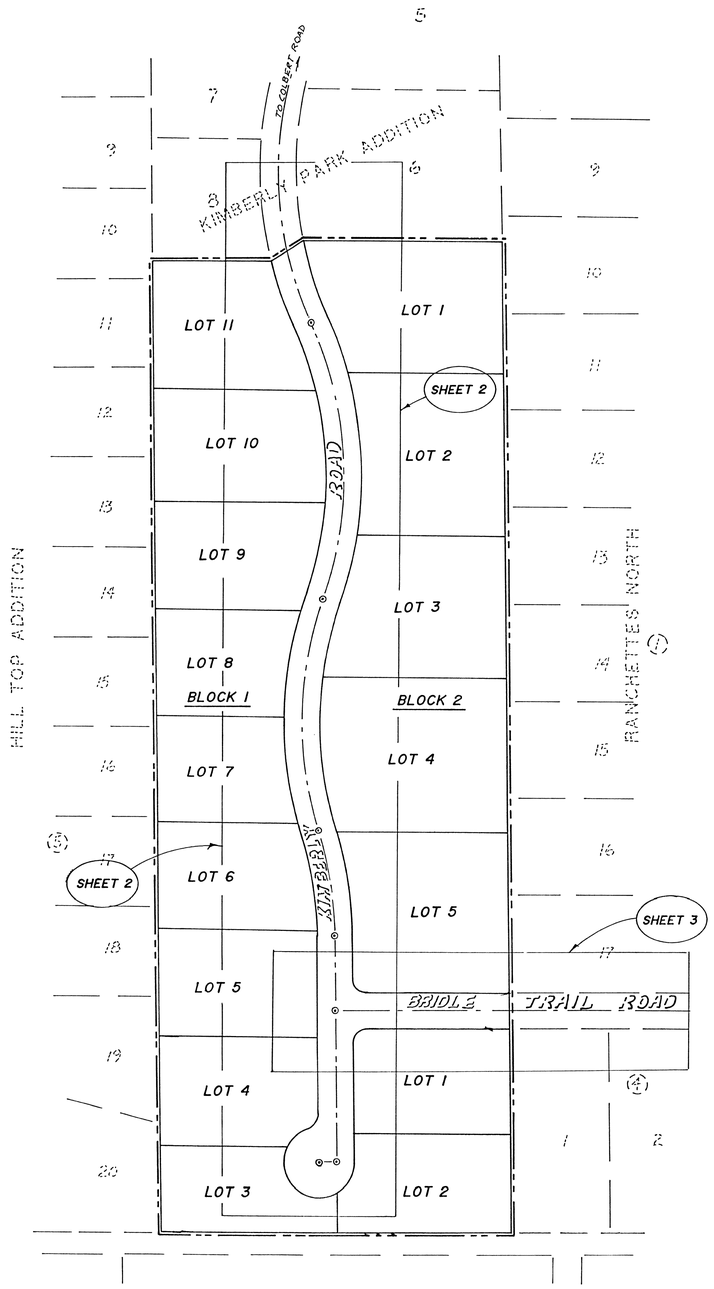
22 - 27 - 43

TITLE SHEET

FOR

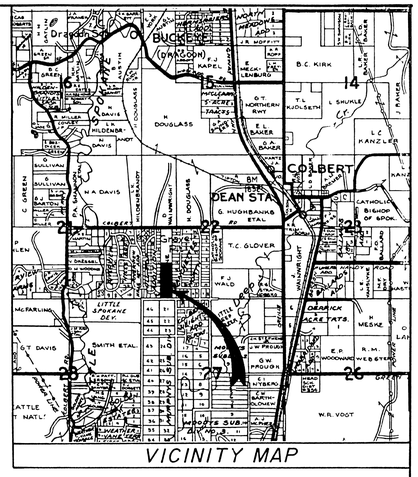
KIMBERLY PARK 1ST ADDITION–ROAD PLANS

PORTION SW1/4 OF SECTION 22, T27N, R43E, W.M., SPOKANE COUNTY, WASHINGTON



SCALE: 1" = 100'

0 20 40 100 300 FEET
10 30 50 200



GENERAL NOTES

1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1995", and as amended.

2) Locations of existing utilities shown in the plans are approximate. The Contractor shall be responsible for locating all underground utilities. Any conflicting utilities shall be relocated prior to construction of road and drainage facilities.

3) The Contractor is required to have a complete set of the approved road and drainage plans on the job site whenever construction is in progress.

4) If the Contractor discovers any discrepancies between the plans and existing conditions encountered, the Contractor shall immediately notify the Design Engineer and the Spokane County Engineers Office.

5) For construction of drywells, install filter fabric (Amoco 4545 or approved equivalent) between the drywell barrel and the washed drainrock, and between the washed drainrock and the native soils.

6) Prior to site construction, the Contractor is responsible for locating underground utilities. Call the underground utility location service at 456–8000 before you dig.

7) An Erosion/Sedimentation Control (ESC) plan is required for this project. Implementation of the ESC plan, and construction, maintenance, and upgrading of the ESC facilities are the responsibility of the Developer until all construction is completed and accepted by Spokane County, or until vegetation is established throughout the site, and accepted by Spokane County, whichever is later.

8) Approval of the ESC plan does not constitute approval of any of the proposed road, storm drainage, grading or utility design elements shown on the ESC plan.

9) The erosion/sedimentation control measures shown are the minimum requirements for the anticipated site conditions. The Contractor shall inspect and maintain these ESC measures daily, and shall maintain and upgrade these measures as necessary to prevent sediment–laden water from either flowing off the site, or into new/existing storm drainage facilities, such as drywells, culverts, or gravel galleries.

10) The Contractor/Developer is responsible for installing Rock Construction Entries at any and all locations used to enter or exit the project site.

The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County guidelines for Stormwater Managements. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

DEVELOPER

DATE: 4-21-98

INDEX TO DRAWINGS

SHEET NO.	TITLE
1.	VICINITY MAP AND INDEX TO DRAWINGS - TITLE SHEET
2.	KIMBERLY ROAD
3.	BRIDLE TRAIL ROAD & DETAILS
4.	DETAILS & DRAINAGE

BASIS OF BEARINGS

N01°22'12"W- WESTERLY LINE OF RANCHETTES NORTH PER BOOK 13 OF LONG PLATS AT PAGE 73 SPOKANE COUNTY RECORDS

BASIS OF ELEVATIONS

1822.25 - T.B.M. SPIKE IN POWER POLE AT TOP OF HILL EAST OF PROJECT ON NORTH SIDE OF COLBERT ROAD

Douglas W. Zeller 8.10.98

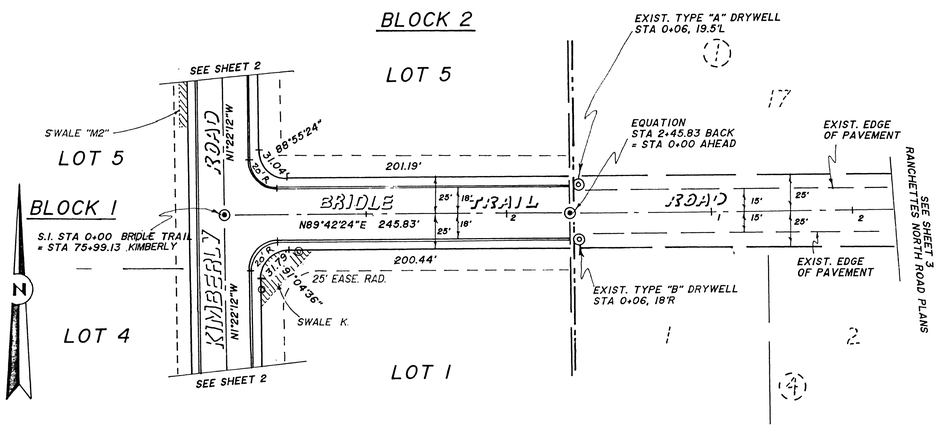
STEPHEN M. HANSEN STATE OF WASHINGTON 20024 REGISTERED PROFESSIONAL ENGINEER
Apr 28, 1998
EXPIRES NOV 18 1998

REVISIONS		TITLE SHEET
		KIMBERLY PARK IST ADDITION - PN 1713-93
Date JANUARY 30, 1998	SCALE	J. PAUL RAMER & ASSOC., INC.
Drawn SMH	Horizontal 1" = 100'	CIVIL ENGINEERS & LAND SURVEYORS
Checked	Vertical	N. 10115 NEWPORT HWY. PH: 467-5261
Field Book		SPOKANE, WASHINGTON 99208

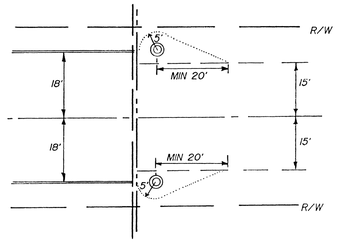
Project No. 97269

Sht 1 of 4

1713-A



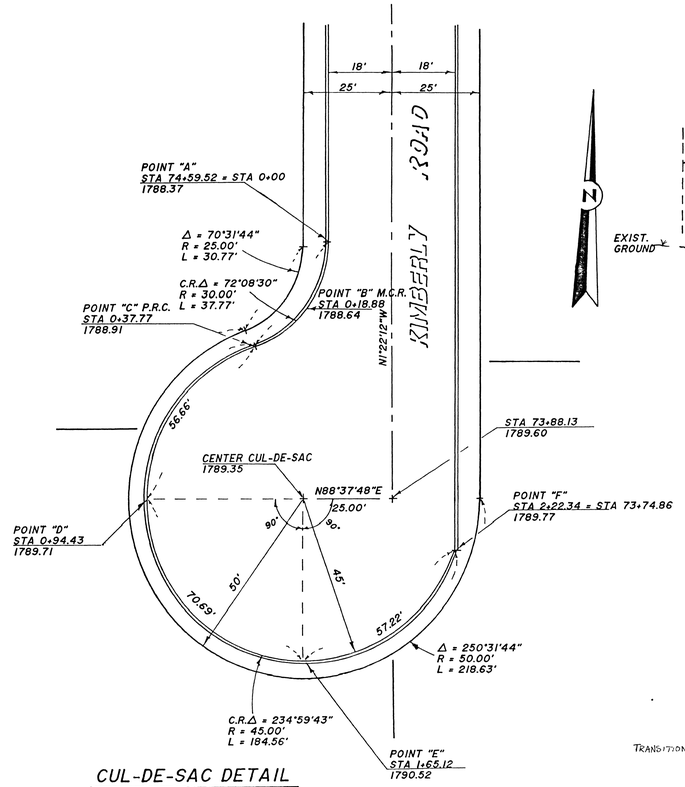
SEE SHEET 4 FOR DRAINAGE DETAILS



NOTE: ASPHALT AROUND EXISTING DRYWELLS WITH A 5' RADIUS AND 20' MIN TAPER. MATCH ASPHALT TO EXISTING SO THAT APRON FUNNELS TO DRYWELL.

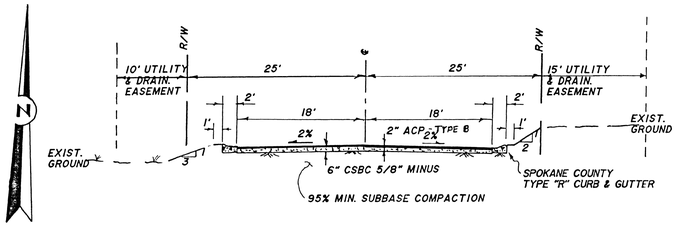
BRIDLE TRAIL TRANSITION & DRYWELL APRON

SCALE: 1" = 20'



CUL-DE-SAC DETAIL

SCALE: 1" = 20'



TYPICAL ROAD SECTION

SCALE: 1" = 10'

EROSION CONTROL PLAN

Temporary erosion control will be required where extensive filling or grading disturbs the natural ground surface.

A. Where possible, maintain natural vegetation for silt control.
B. Protect drywells from siltation by wrapping lids with filter fabric or staking straw bales around the perimeter of drywell.
C. Temporary siltation fences are to be constructed across siltation pathways down slope of any unfinished grading susceptible to erosion at the end of each work day.
D. All temporary erosion control devices shall be maintained in a satisfactory condition until such time that clearing and/or construction is completed and the permanent drainage facilities are operational.
E. Return siltation control areas to original ground conditions.

DEVELOPER'S APPROVAL

Signed: Ron A. Hans Date: 4-21-98

TRANSITION DETAIL 7/98

JAN. 29, 1998
SMH

1" = 50'
1" = 5'-0"

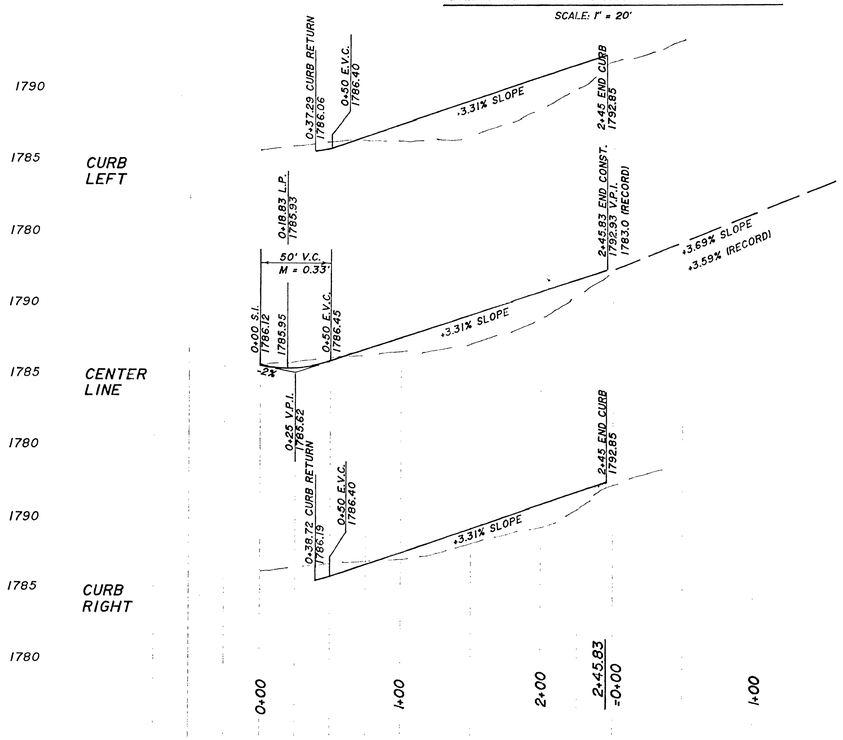
BRIDLE TRAIL ROAD
KIMBERLY PARK IST ADDITION

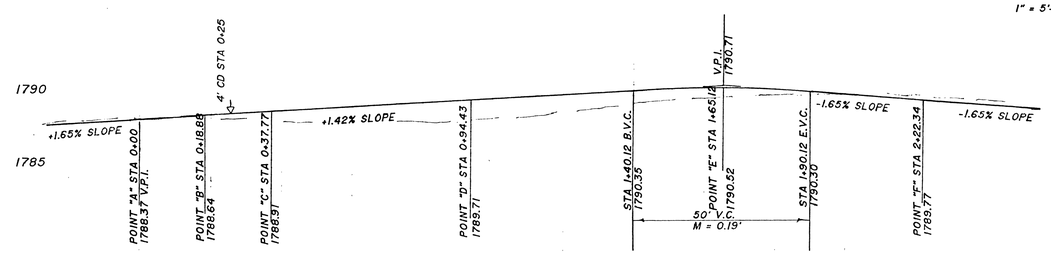
J. PAUL

97269

467-5261

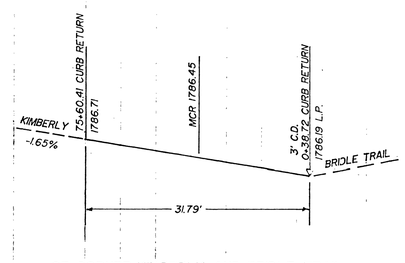
3 4



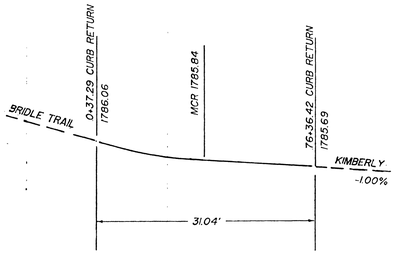


CUL-DE-SAC PROFILE

SCALE: 1" = 20' HOR.
1" = 5'-0" VERT.



SE CORNER KIMBERLY AND BRIDLE TRAIL



NE CORNER KIMBERLY AND BRIDLE TRAIL

CURB RETURN PROFILES

SCALE: 1" = 10' HOR.
1" = 10' VERT.

STEVEN M. HANSON
STATE OF WASHINGTON
00306443
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES NOV 19, 1998

April 23, 1998

Douglas W. Zeeb
8.10.98

REQUIR