NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

SHEET INDEX

1 TITLE SHEET
2 NORTHVIEW LANE PLAN & PROFILE
3 NORTHVIEW LANE PLAN & PROFILE
4 NORTHVIEW LANE PLAN & PROFILE
5 BRAEDEN LANE AND EDNA LANE PLAN & PROFILE
6 STORM DRAIN PLAN & PROFILE
7 CATCH BASIN PROFILES
8 ROADWAY SECTION & DETAILS
9 MISCELLANEOUS DETAILS

STANDARD CONSTRUCTION NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, 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 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 ENGINEER'S OFFICE.
5. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES.
6. FOR ANY CURB GRADES LESS THAN 0.8 % (0.008 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

STANDARD DRAWINGS / SYMBOL

CURBS & GUTTERS, TYPE R	A-3	
STREET NAME SIGNS	A-16	
CATCH BASIN, TYPE 1	B-4	
METAL FRAME & GRATE, TYPE 5	B-16	
MANHOLE, TYPE I-48	U-2	
MANHOLE, TYPE III-48	U-5	
MANHOLE, TYPE III-96	U-6	
CURB INLET, TYPE 1	B-8	

NOTE: STORM SEWER STUBS SHALL BE CONSTRUCTED FOR ALL LOTS EXCEPT FOR LOTS 1 -4 IN BLOCK 3; LOTS 1-5 IN BLOCK 1; AND LOT 10 IN BLOCK 2. STORM SEWER STUBS SHALL BE CONSTRUCTED PER SPOKANE COUNTY STANDARD DRAWING U-15, SERVICE CONNECTION USING ADS N-12 PIPE AND AIR TIGHT FITTINGS.

ENGINEER'S CERTIFICATE

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 STORM WATER MANAGEMENT. THE SPOKANE COUNTY ENGINEER HAS APPROVED ALL DESIGN DEVIATIONS. I APPROVE THESE PLANS FOR CONSTRUCTION.

BASIS OF BEARING

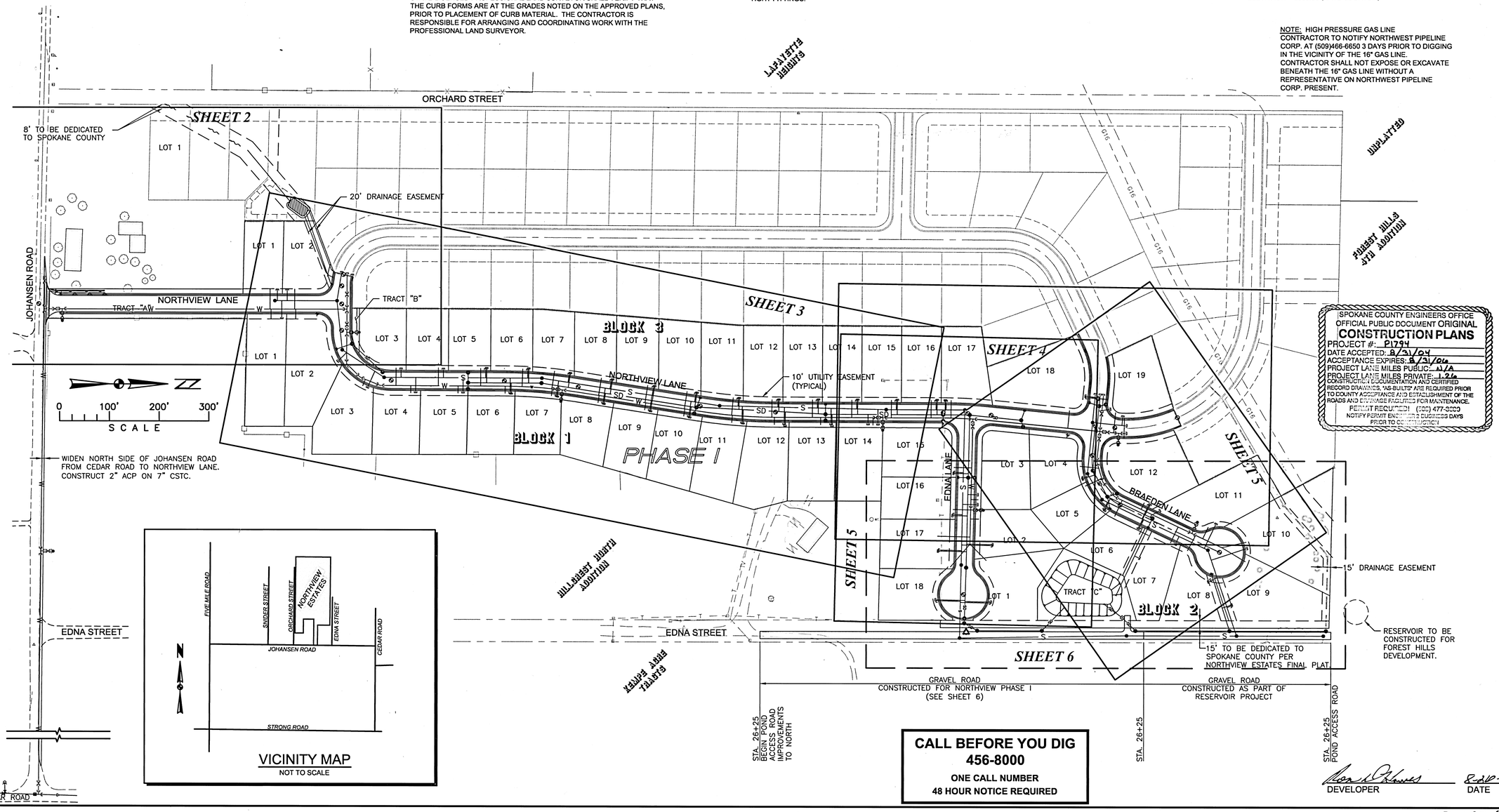
THE BASIS OF BEARING (N88°44'00"W) IS THE SOUTH SECTION LINE OF SECTION 13, TOWNSHIP 26 NORTH, RANGE 42 EAST, W.M., SPOKANE COUNTY, WASHINGTON.

BENCHMARK

BRASS CAP IN MONUMENT CASE AT INTERSECTION OF FIVE MILE ROAD AND JOHANSEN ROAD.

ELEVATION = 2388.56 (NAVD 88 DATUM)

NOTE: HIGH PRESSURE GAS LINE CONTRACTOR TO NOTIFY NORTHWEST PIPELINE CORP. AT (509)466-6650 3 DAYS PRIOR TO DIGGING IN THE VICINITY OF THE 16" GAS LINE. CONTRACTOR SHALL NOT EXPOSE OR EXCAVATE BENEATH THE 16" GAS LINE WITHOUT A REPRESENTATIVE ON NORTHWEST PIPELINE CORP. PRESENT.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 8/31/04
ACCEPTANCE EXPIRES: 8/31/06
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 1.26
CONSTRUCTIONAL DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HOUR NOTICE REQUIRED

DEVELOPER — DATE 8-26-04

J:\2001\S01-062\Land Development\S01-062\dwg\S01-062-SD01T.dwg, 8/25/2004 12:22:14 PM, TDH SPOKANE.EJD

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

EXPIRES: 10/23/05

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE LEWISTON
MONTANA WASHINGTON IDAHO

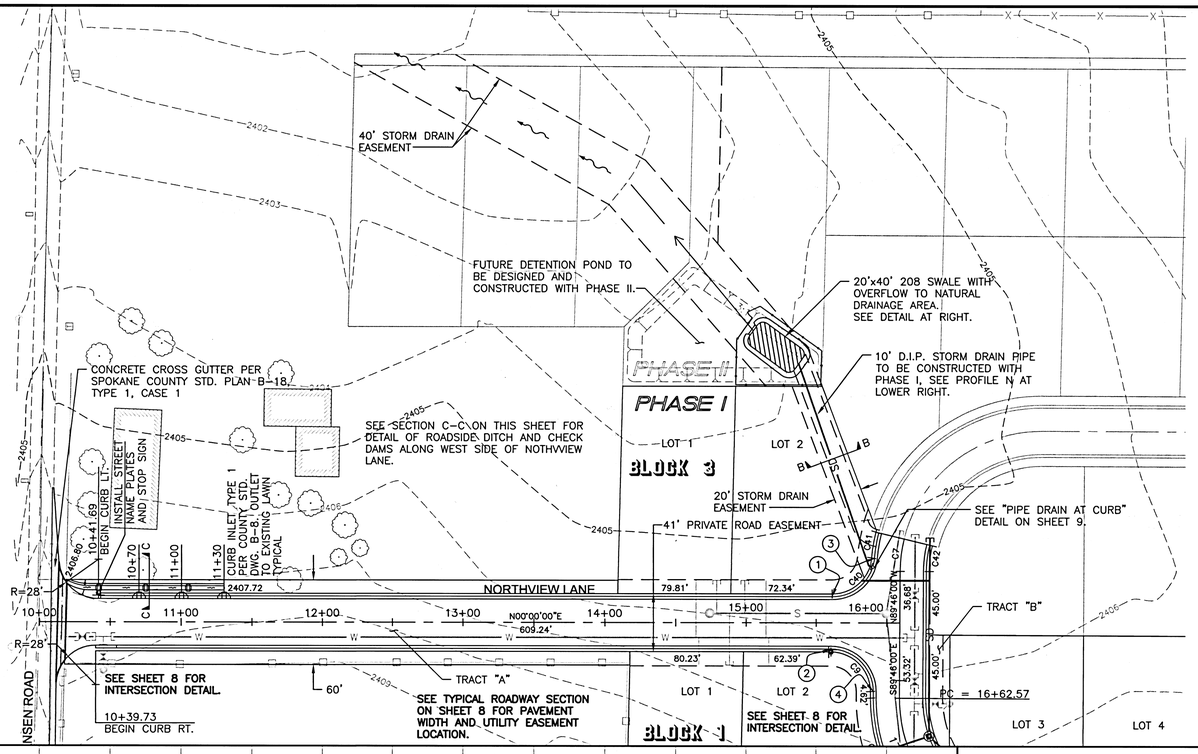
DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

TITLE SHEET

CAD NOS01-062-SD01.DWG
SHEET 1 OF 9

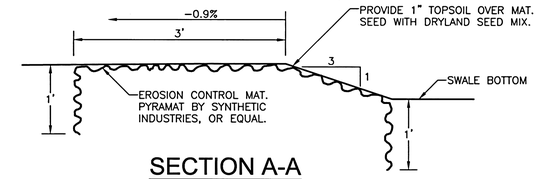
P-1794 Eng Road Drainage



CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°00'00"	100.00	157.08	100.00
C7	13°21'43"	100.00	23.32	11.71
C9	90°14'00"	28.00	44.10	28.11
C10	34°52'09"	120.50	73.33	37.84
C40	85°16'35"	28.00	41.67	25.78
C41	8°52'19"	120.50	18.66	9.35
C42	13°21'43"	79.50	18.54	9.31
C43	90°00'00"	79.50	124.88	79.50

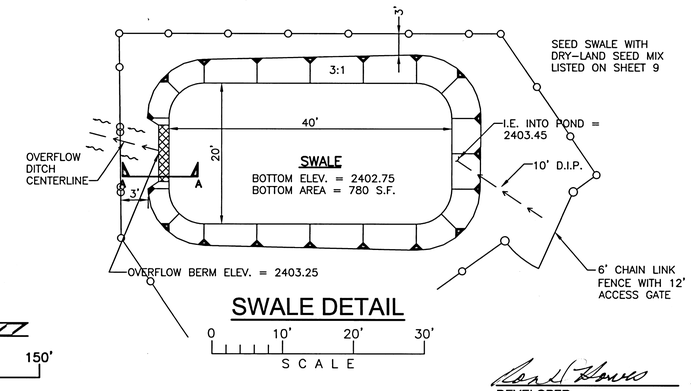
CURVE DATA IS TO 41' PRIVATE EASEMENT.

BACK OF CURB PC/PT TABLE				
		ALIGN	STATION	OFFSET
1	PC	A	15+61.40	18.50' LT.
2	PC	A	15+60.55	18.50' RT.
3	PT	B	15+64.72	18.50' RT.
4	PT	B	16+59.94'	18.50' RT.



SECTION A-A

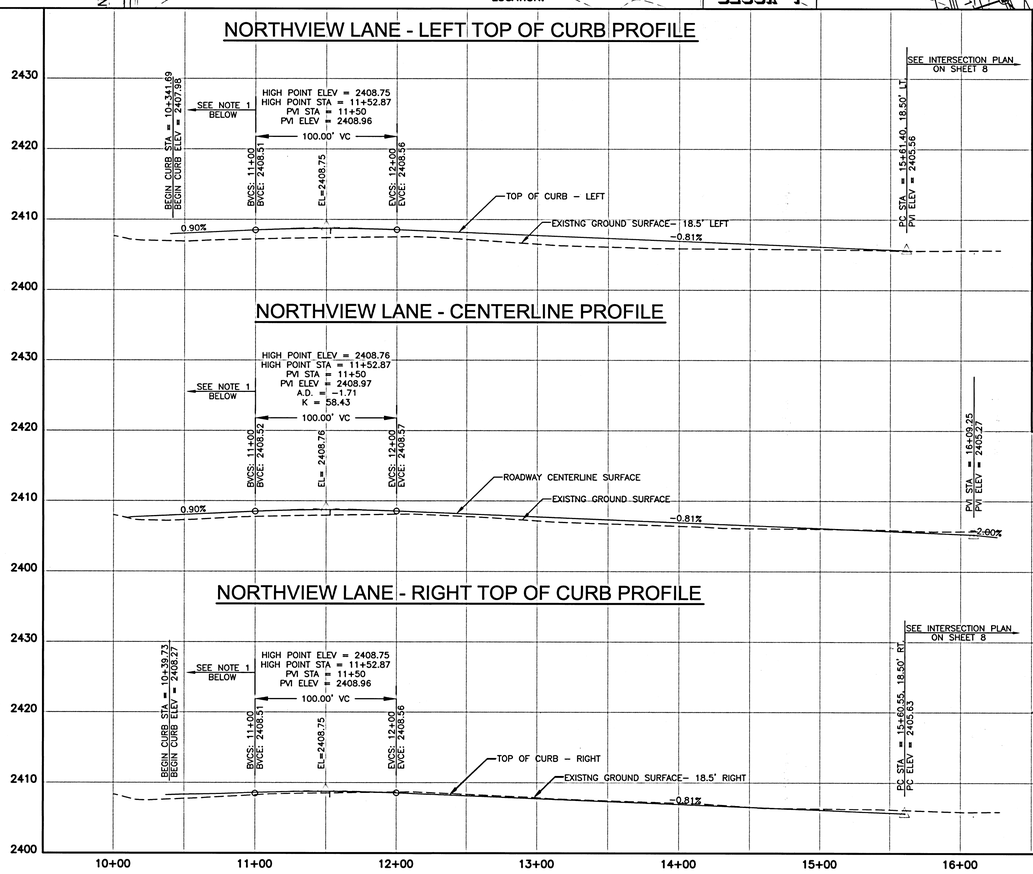
OVERFLOW BERM

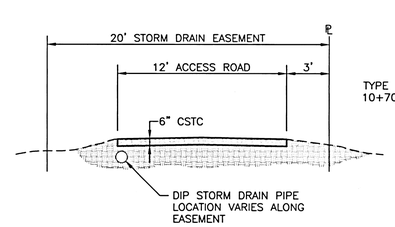


SWALE DETAIL

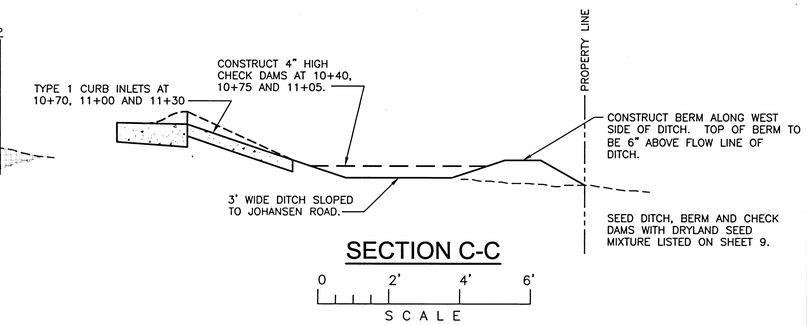
DEVELOPER

8-26-04
DATE



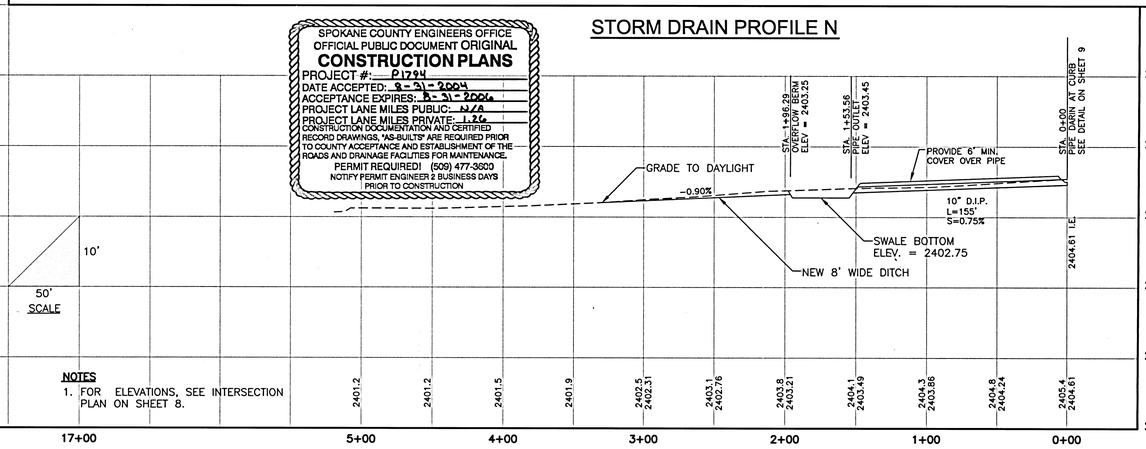


SECTION B-B



SECTION C-C

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 9-21-2004
ACCEPTANCE EXPIRES: 9-21-2006
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 1.26
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



10'
50'
SCALE

NOTES

1. FOR ELEVATIONS, SEE INTERSECTION PLAN ON SHEET 8.

DAVID A. HOSKINS
STATE OF MONTANA
31812
REGISTERED PROFESSIONAL ENGINEER
8/25/04
EXPIRES: 10/23/05

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
MONTANA WASHINGTON IDAHO

TD&H

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

PLAN AND PROFILE
NORTHVIEW LANE - STA. 10+00 TO STA. 16+09.24

CAD NCS01-062-SD02.DWG
SHEET 2 OF 9

P-1794 Eng Road Drainage

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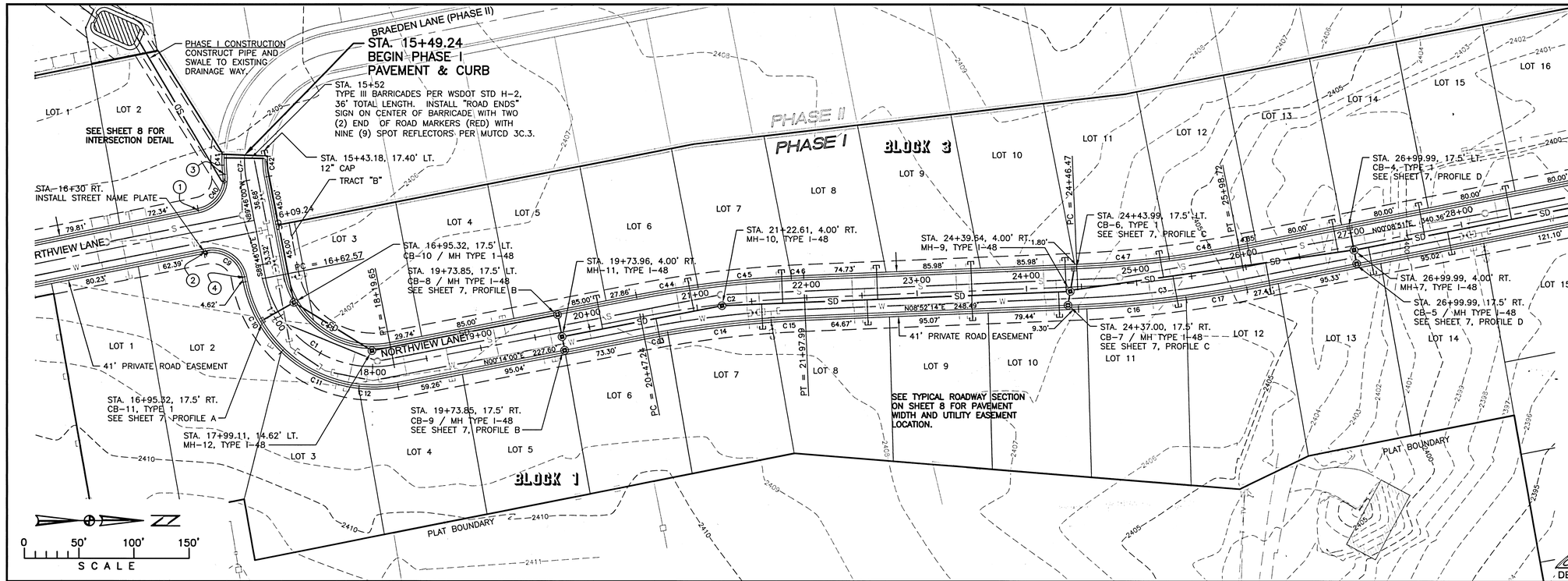


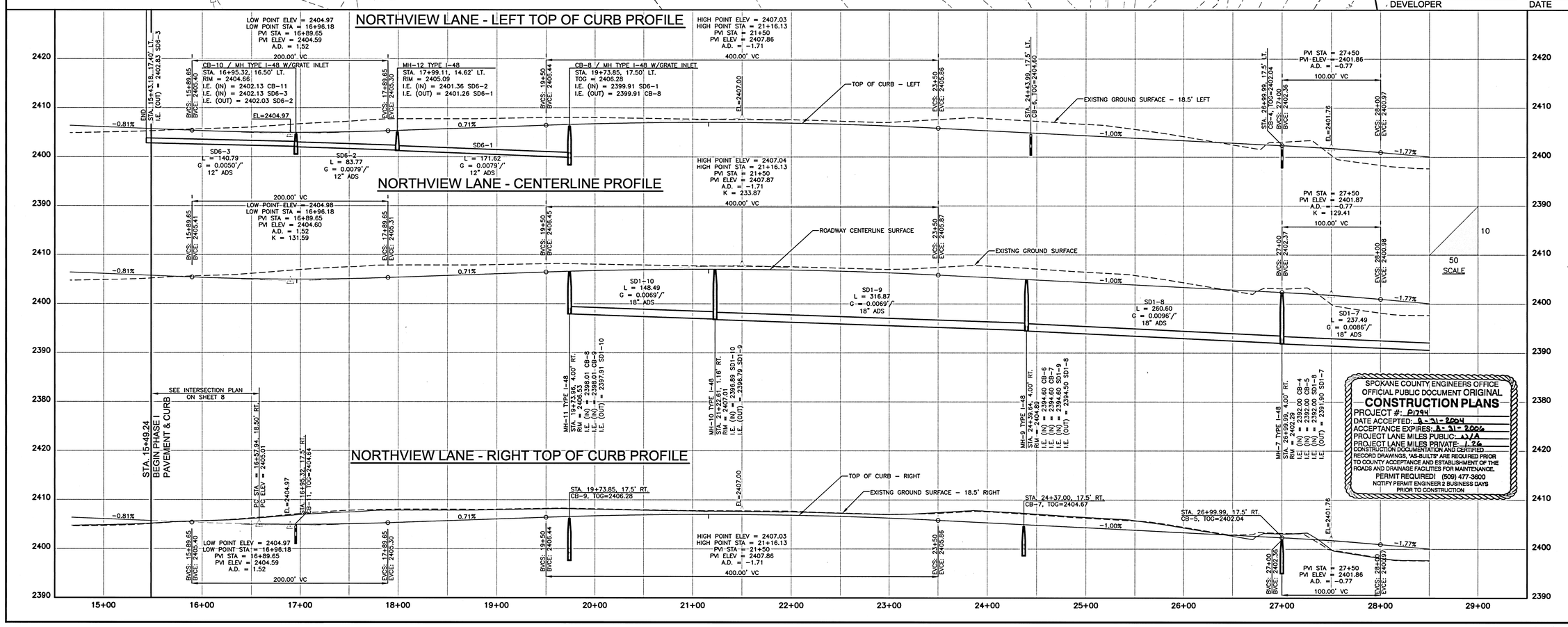
NOTE: OFFSET TO DRAINAGE STRUCTURES IS MEASURED TO THE CENTER OF THE GRATE.

BACK OF CURB PC/PT TABLE				
		ALIGN	STATION	OFFSET
1	PC	A	15+61.40	18.50' LT.
2	PC	A	15+60.55	18.50' RT.
3	PT	B	15+64.72	18.50' RT.
4	PT	B	16+57.94'	18.50' RT.

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°00'00"	100.00	157.08	100.00
C2	8°38'14"	1000.00	150.75	75.52
C3	8°34'23"	1000.00	152.10	75.27
C7	13°21'43"	100.00	23.32	11.71
C9	90°14'00"	28.00	44.10	28.11
C10	34°52'09"	120.50	73.33	37.84
C11	37°55'42"	120.50	79.77	41.41
C12	17°12'09"	120.50	36.18	18.23
C13	1°16'11"	979.50	21.71	10.85
C14	5°33'04"	979.50	94.90	47.49
C15	1°48'59"	979.50	31.05	15.53
C16	5°29'18"	1020.50	97.75	48.91
C17	3°14'05"	1020.50	56.61	28.81
C40	85°16'35"	28.00	41.67	27.78
C41	8°52'19"	120.50	18.66	9.35
C42	13°21'43"	79.50	18.54	9.31
C43	90°00'00"	79.50	124.88	79.50
C44	3°12'36"	1020.50	57.17	28.59
C45	4°47'48"	1020.50	85.43	42.74
C46	0°37'51"	1020.50	11.23	5.62
C47	4°53'52"	979.50	83.72	41.89
C48	3°49'30"	979.50	63.39	32.17

CURVE DATA IS 41' PRIVATE EASEMENT.

DEVELOPER DATE



SPOKANE COUNTY ENGINEERS OFFICE
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

STATE OF MONTANA 31612 REGISTERED PROFESSIONAL ENGINEER
8/25/04
EXPIRES: 10/23/05

REVISIONS
DATE BY DESCR
DATE BY DESCR
DATE BY DESCR

TD&H
THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE–LEWISTON
MONTANA WASHINGTON IDAHO

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

PLAN AND PROFILE
NORTHVIEW LANE - STA. 15+50 TO STA. 28+50

CAD NOS01-062-SD03.DWG
SHEET 3 OF 9

P-1794 Eng Road Drainage

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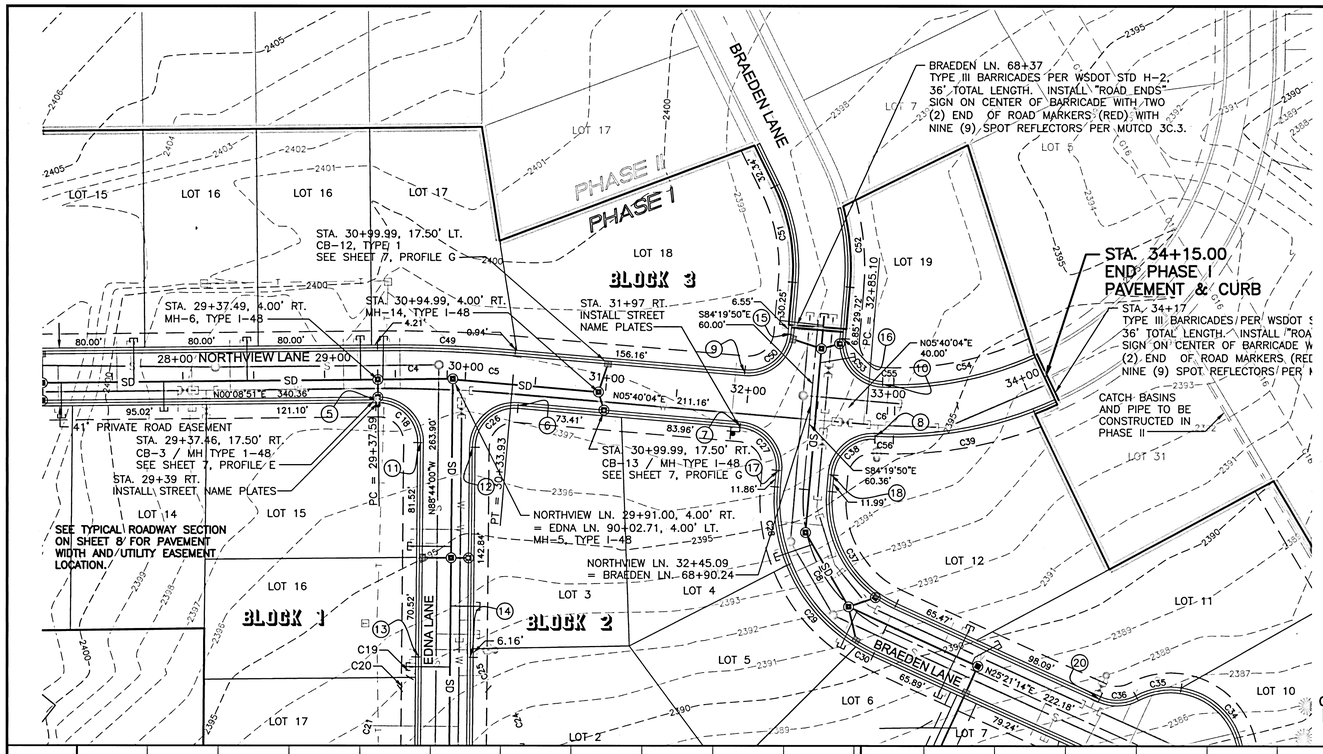

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C4	2°49'34"	1000.00	49.33	24.67
C5	2°41'38"	1000.00	47.02	23.51
C6	4°35'04"	250.00	20.00	10.01
C18	91°07'09"	28.00	44.53	28.55
C19	31°21'13"	28.00	15.32	7.86
C20	21°19'40"	28.00	10.42	5.27
C21	79°41'25"	52.00	64.29	37.45
C24	66°11'28"	52.00	72.32	43.39
C25	52°40'52"	28.00	25.74	13.86
C26	94°24'04"	28.00	46.13	32.24
C27	90°00'06"	28.00	43.98	28.00
C28	27°03'22"	120.50	56.90	28.99
C29	36°36'35"	120.50	76.99	39.86
C30	6°38'59"	120.50	13.99	7.00
C34	84°22'25"	52.00	76.58	47.13
C35	36°30'00"	52.00	33.13	25.74
C36	52°40'52"	28.00	25.74	13.86
C37	70°18'56"	79.50	97.57	55.99
C38	88°22'02"	28.00	45.18	27.21
C39	21°44'38"	270.50	102.66	51.95
C49	5°31'12"	1020.50	98.32	49.20
C50	89°59'54"	28.00	47.98	28.00
C51	30°55'46"	129.50	69.91	35.83
C52	19°28'42"	170.50	57.96	29.26
C53	92°25'09"	28.00	45.16	29.21
C54	25°27'23"	229.50	100.98	51.84
C55	1°59'39"	229.50	7.99	3.99
C56	2°46'50"	270.50	13.13	6.56

CURVE DATA IS TO 41' PRIVATE EASEMENT.

BACK OF CURB PC/PT TABLE				
		ALIGN	STATION	OFFSET
5	PC	B	29+37.46	18.50' RT.
6	PT	B	30+39.22	18.50' RT.
7	PT	B	31+96.59	18.50' RT.
8	PT	B	32+92.21	18.50' RT.
9	PC	B	31+96.59	18.50' LT.
10	PT	B	32+95.64	18.50' LT.
11	PT	D	90+48.24	18.50' LT.
12	PC	D	90+51.27	18.50' LT.
13	PC	D	92+00.28	18.50' RT.
14	PC	D	92+00.29	18.50' RT.
15	PT	C	68+41.74	18.50' RT.
16	PC	C	68+41.56	18.50' LT.
17	PT	C	69+38.74	18.50' RT.
18	PC	C	69+38.62	18.50' LT.
20	PC	C	72+31.88	18.50' LT.

NOTE: OFFSET TO DRAINAGE STRUCTURES IS MEASURED TO THE CENTER OF THE GRATE.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
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DATE ACCEPTED: 8-31-2004
ACCEPTANCE EXPIRES: 8-31-2006
PROJECT LANE MILES PUBLIC: N/A
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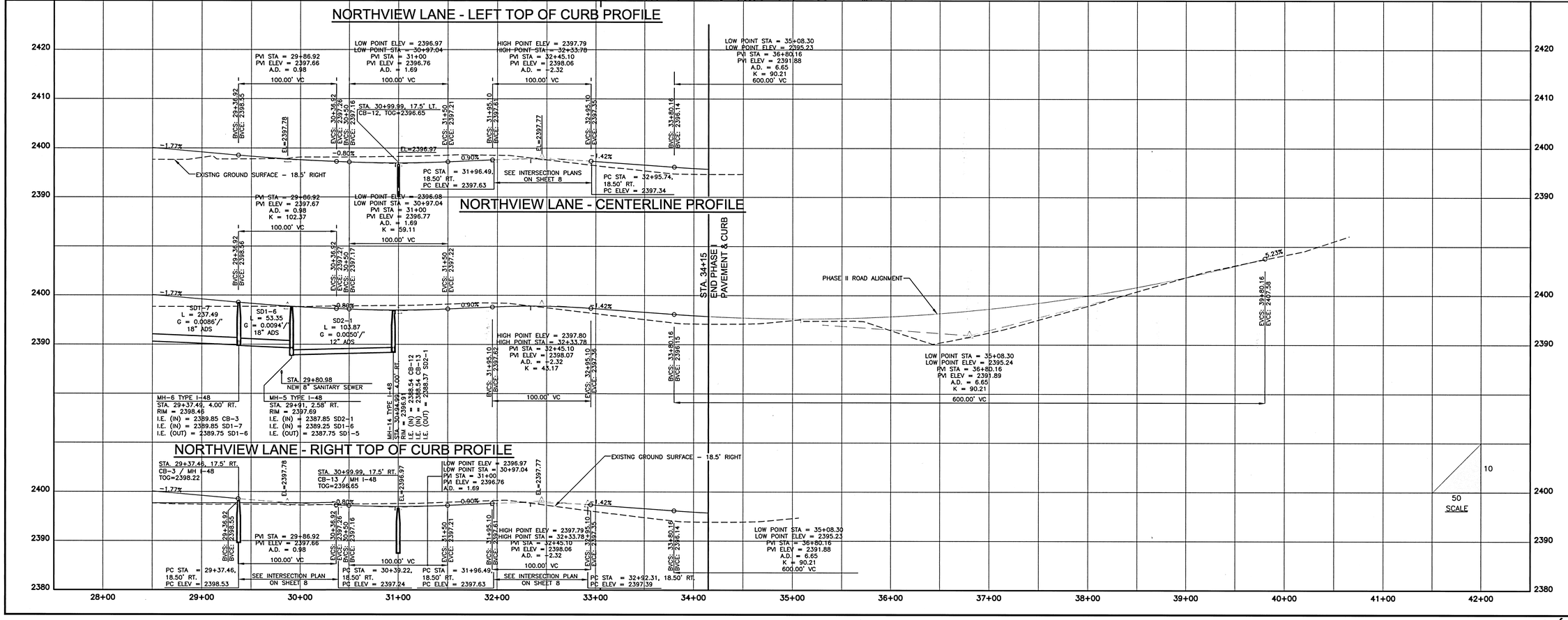
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER — DATE 8-24-04



REVISIONS
BY ____ DATE ____ DESCR ____
BY ____ DATE ____ DESCR ____
BY ____ DATE ____ DESCR ____

TD&H
THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE–LEWISTON
MONTANA
WASHINGTON
IDAHO

STATE OF WASHINGTON — EDWARD J. DOWNS — 31812 — REGISTERED PROFESSIONAL ENGINEER — 8-25-04
EXPIRES: 10/23/05

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

PLAN AND PROFILE
NORTHVIEW LANE - STA. 28+50 TO STA. 34+00

CAD NCS01-062-SD04.DWG
SHEET 4 OF 9

P-1794 Eng Road Drainage

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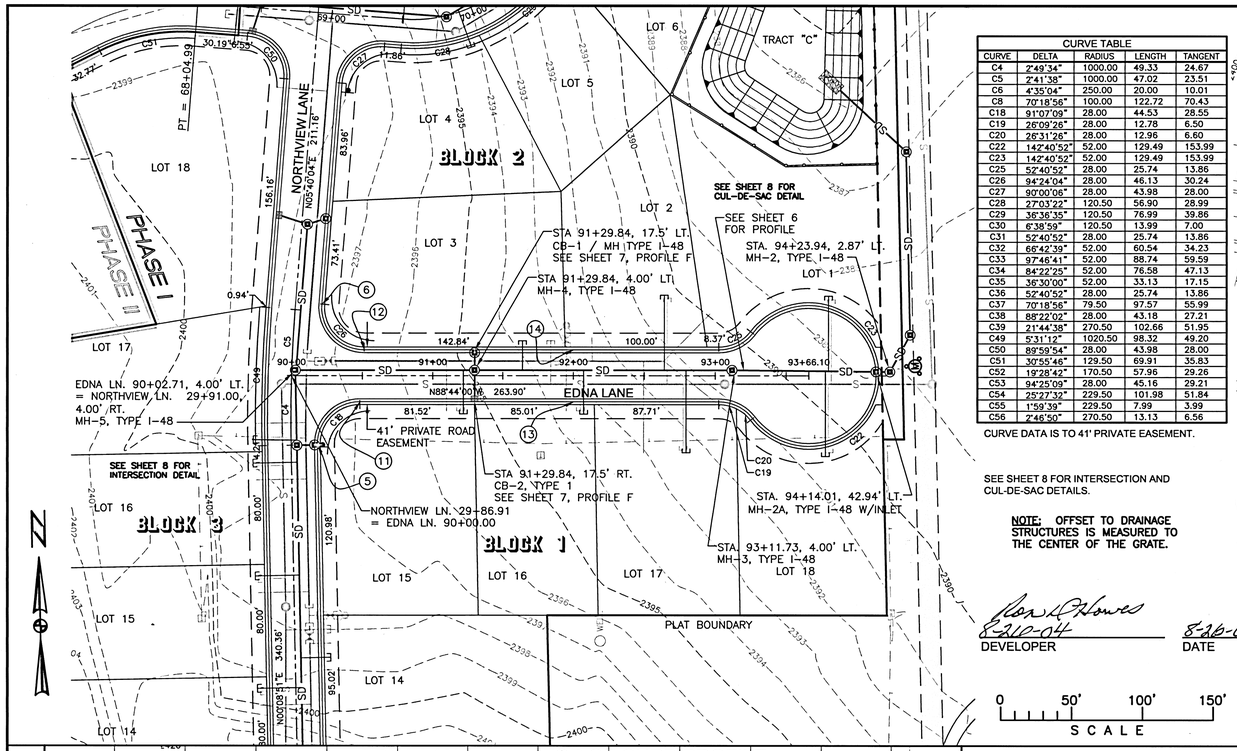

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C8	70°18'56"	100.00	122.72	70.43
C18	91°07'09"	28.00	44.53	28.55
C19	26°09'26"	28.00	12.78	6.50
C20	26°31'26"	28.00	12.96	6.60
C22	142°40'52"	52.00	129.49	153.99
C23	142°40'52"	52.00	129.49	153.99
C25	52°40'52"	28.00	25.74	13.86
C26	94°24'04"	28.00	46.13	30.24
C27	90°00'08"	28.00	43.98	28.00
C28	27°03'22"	120.50	56.90	28.99
C29	36°36'35"	120.50	76.99	39.86
C30	6°38'59"	120.50	13.99	7.00
C31	52°40'52"	28.00	25.74	13.86
C32	66°42'39"	52.00	60.54	34.23
C33	97°46'41"	52.00	88.74	59.59
C34	84°22'25"	52.00	76.58	47.13
C35	36°30'00"	52.00	33.13	17.15
C36	52°40'52"	28.00	25.74	13.86
C37	70°18'56"	79.50	97.57	55.99
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C55	1°59'39"	229.50	7.99	3.99
C56	2°46'50"	270.50	13.13	6.56

CURVE DATA IS TO 41' PRIVATE EASEMENT.

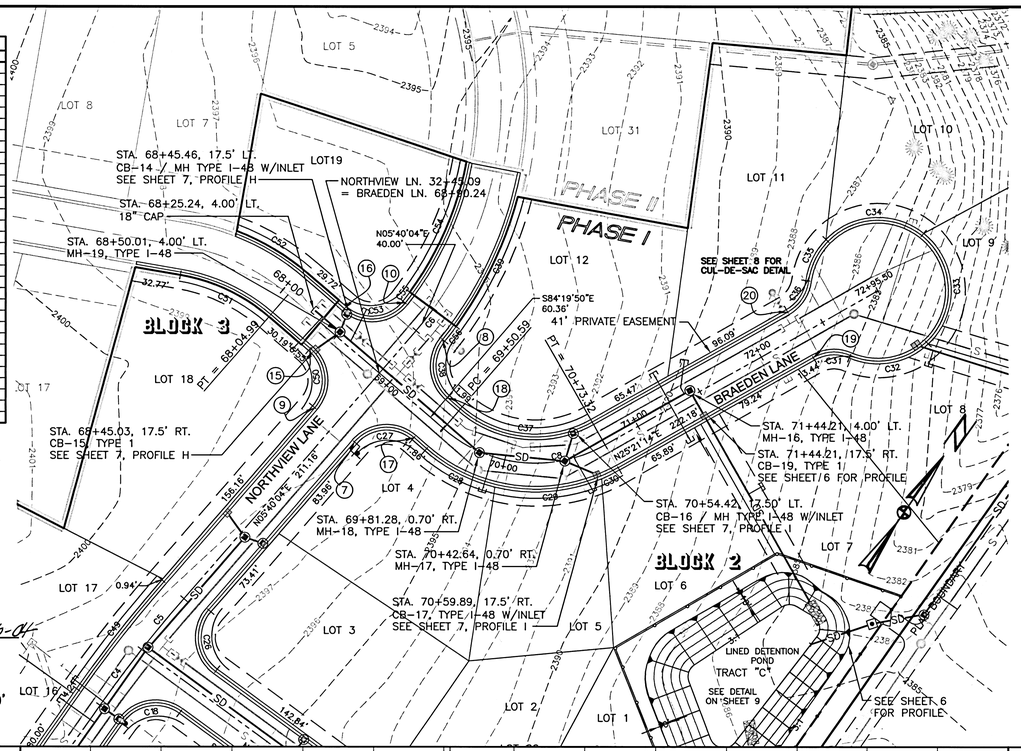
SEE SHEET 8 FOR INTERSECTION AND CUL-DE-SAC DETAILS.

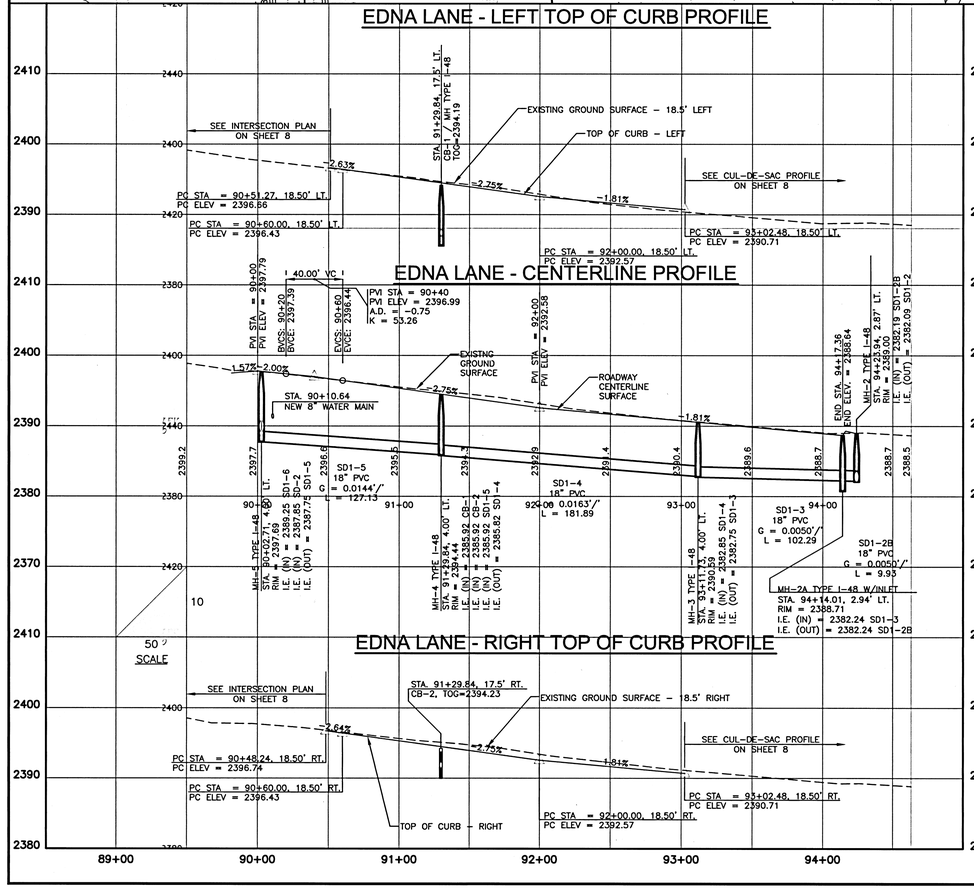
NOTE: OFFSET TO DRAINAGE STRUCTURES IS MEASURED TO THE CENTER OF THE GRATE.

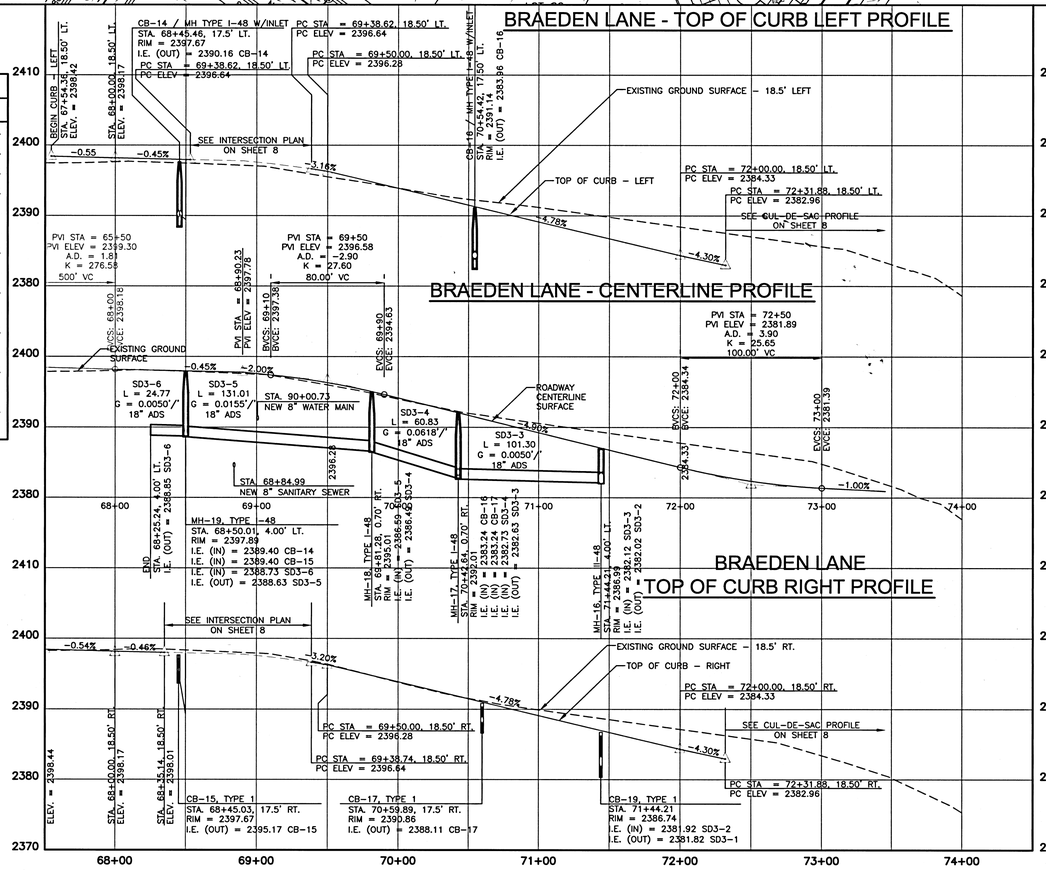
8-26-04
DEVELOPER

8-26-04
DATE

0 50' 100' 150'
SCALE







BACK OF CURB PC/PT TABLE				
		ALIGN	STATION	OFFSET
5	PC	B	29+37.46	18.50' RT.
6	PT	B	30+39.22	18.50' RT.
7	PT	B	31+96.59	18.50' RT.
8	PT	B	32+92.21	18.50' RT.
9	PC	B	31+96.59	18.50' LT.
10	PT	B	32+95.64	18.50' LT.
11	PT	D	90+48.24	18.50' RT.
12	PC	D	90+51.27	18.50' LT.
13	PC	D	92+00.28	18.50' RT.
14	PC	D	92+00.29	18.50' LT.
15	PT	C	68+41.74	18.50' RT.
16	PC	C	68+41.56	18.50' LT.
17	PT	C	69+38.74	18.50' RT.
18	PC	C	69+38.62	18.50' LT.
19	PC	C	72+31.88	18.50' LT.
20	PC	C	72+31.88	18.50' LT.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1794
DATE ACCEPTED: 8-31-2004
ACCEPTANCE EXPIRES: 8-31-2006
PROJECT LANE MILES PUBLIC: 0.44
PROJECT LANE MILES PRIVATE: 0.44
RECORD DRAWINGS "AS-BUILTS" ARE REQUIRED PRIOR TO ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DISTRIBUTION OF PUBLIC FUNDS.
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
PERMIT REQUIRED! (509) 477-3600

EXPIRES: 10/23/05

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

TD&H
THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
MONTANA WASHINGTON IDAHO

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

PLAN AND PROFILE
EDNA LANE AND BRAEDEN LANE

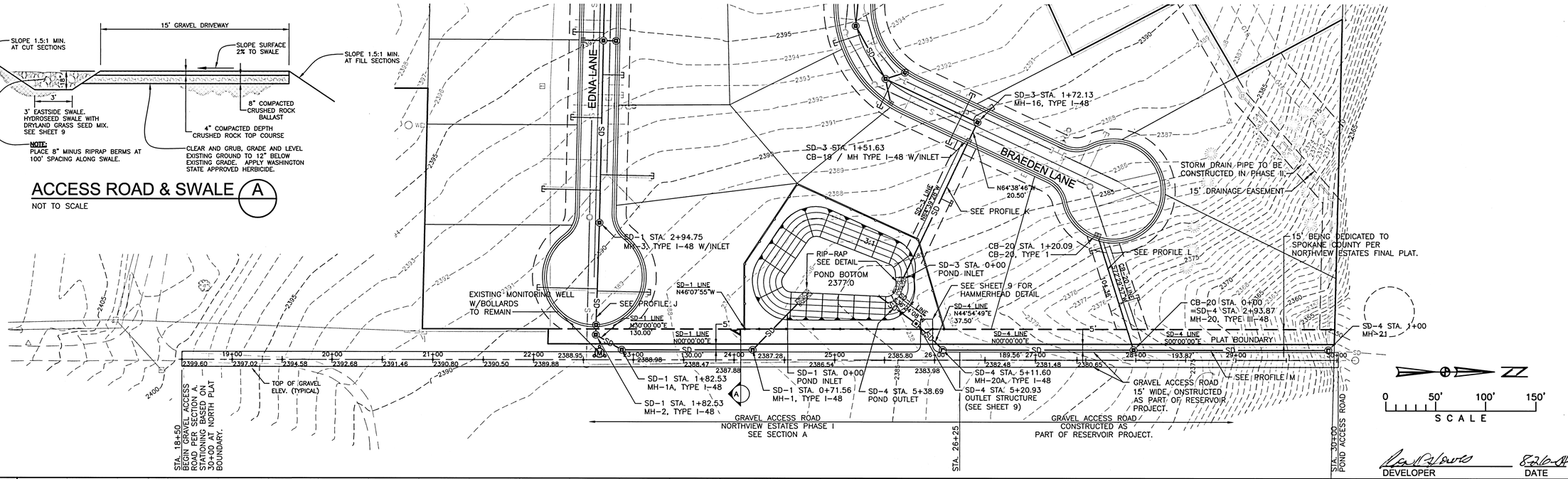
CAD NCS01-062-SD05.DWG
SHEET 5 OF 9

J:\2001\S01-062\Land Development\S01-062\dwg\S01-062-SD05T.dwg, 8/25/2004 12:19:25 PM, TDH SPOKANE,EJD

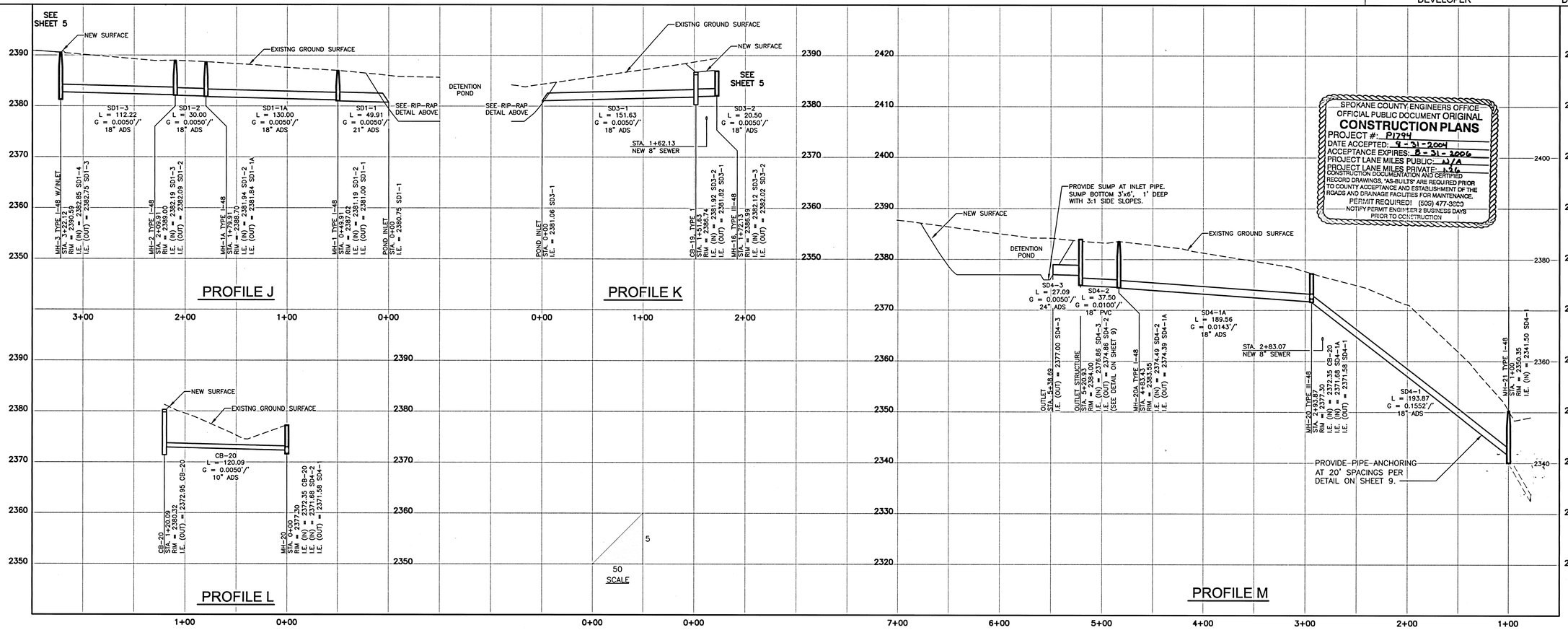
P-1794 Eng Road Drainage

ACCESS ROAD & SWALE (A)

NOT TO SCALE



DEVELOPER DATE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 9-31-2004
ACCEPTANCE EXPIRES: 8-31-2006
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 1.36
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

STATE OF WASHINGTON DAVID A. DEAN 31872 REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 10/23/05

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE LEWISTON
MONTANA WASHINGTON IDAHO
TD&H

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

DRAINAGE STRUCTURES PAN AND PROFILES

CAD NCS01-062-SD06.DWG

SHEET 6 OF 9

P-1794 Eng. Road Drainage

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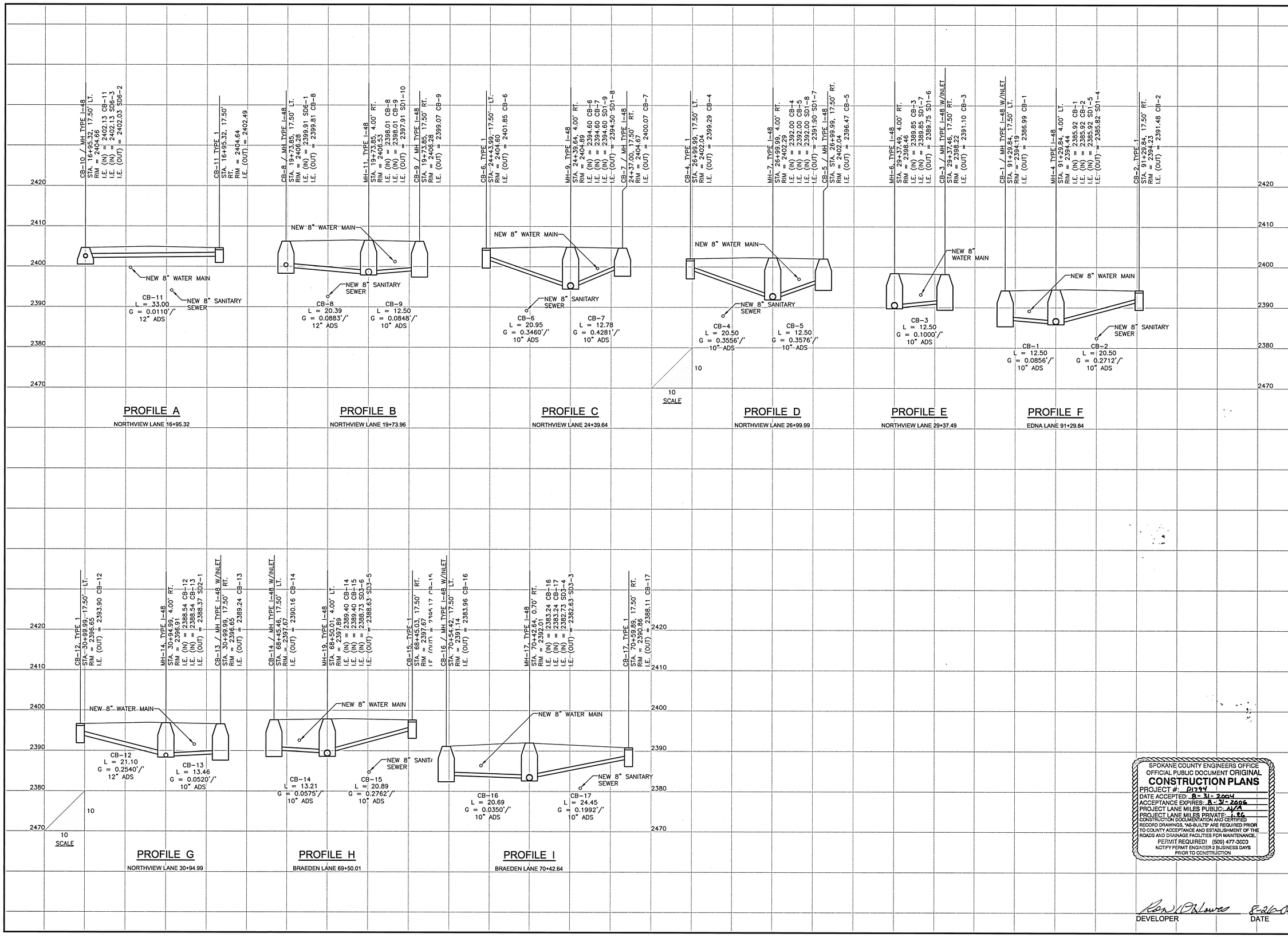

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 8-31-2004
ACCEPTANCE EXPIRES: 8-31-2006
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 1.86
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER — DATE 8-26-04

EXPIRES: 10/23/05

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE
LEWISTON
MONTANA
WASHINGTON
IDAHO

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

DRAINAGE STRUCTURES
CATCH BASIN PROFILES

CAD NCS01-062-SD07 .DWG
SHEET 7 OF 9

P-1794 Eng Bond Drainage

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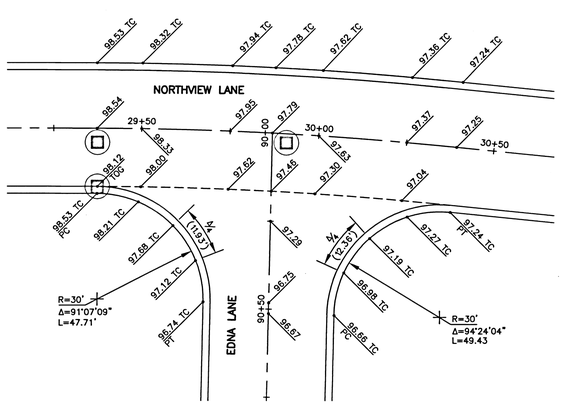
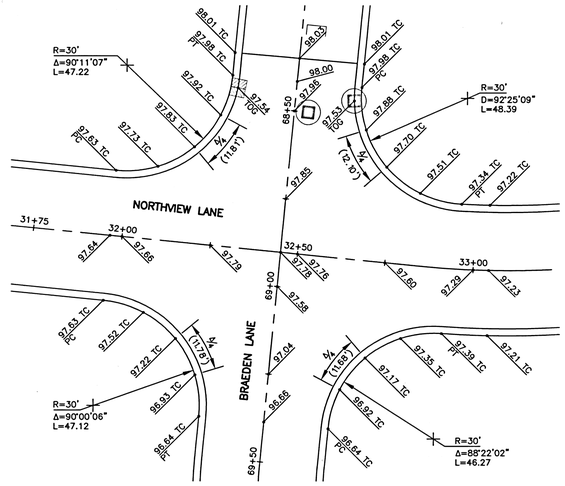
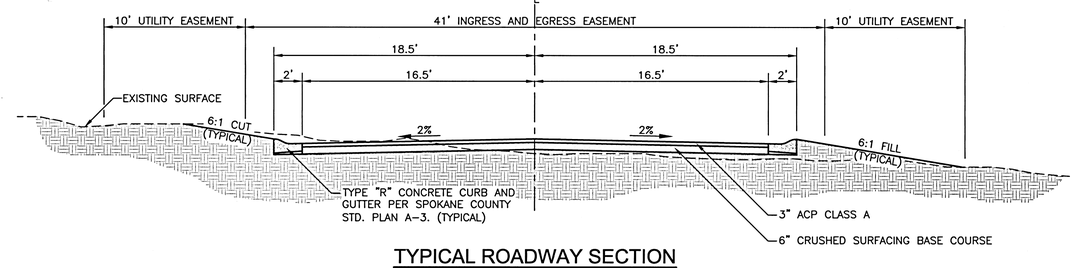


NORTHVIEW LANE & EDNA LANE INTERSECTION

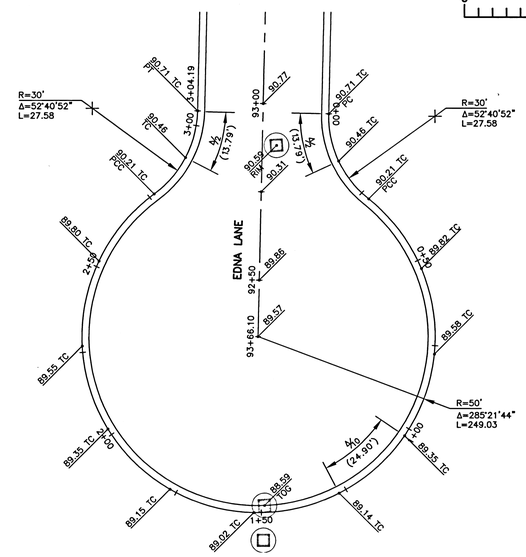


NORTHVIEW & BRAEDEN LANES INTERSECTION (NORTH)

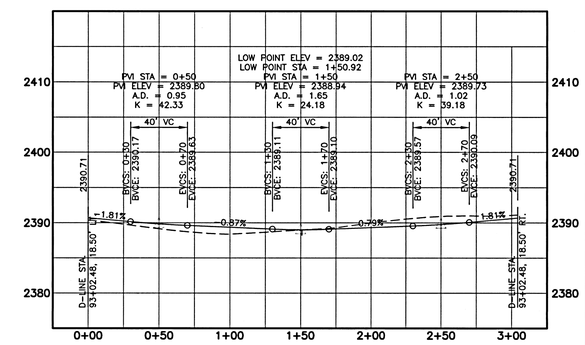


TYPICAL ROADWAY SECTION

0 5' 10' 15'
SCALE

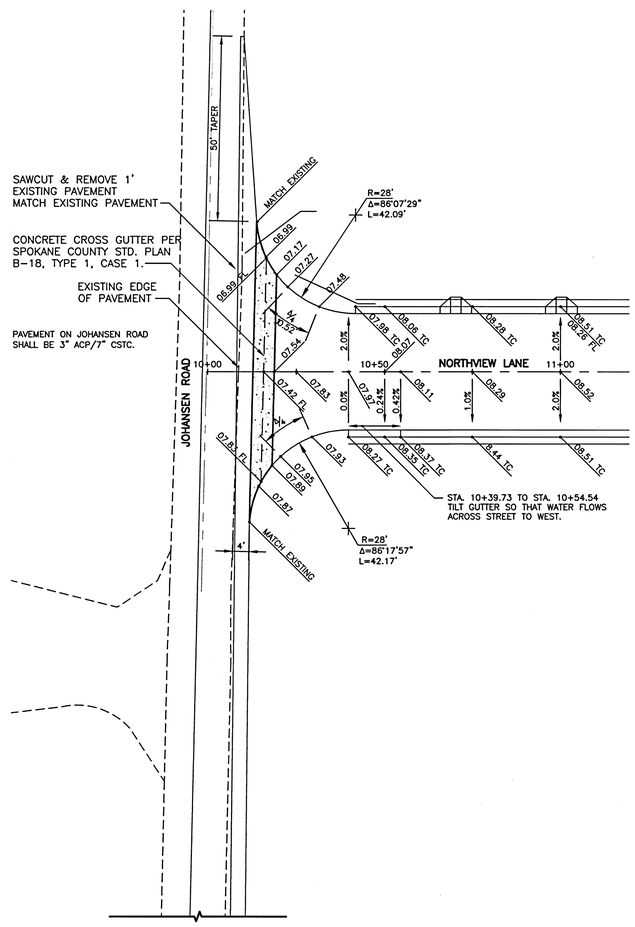


EDNA LANE CUL DE SAC

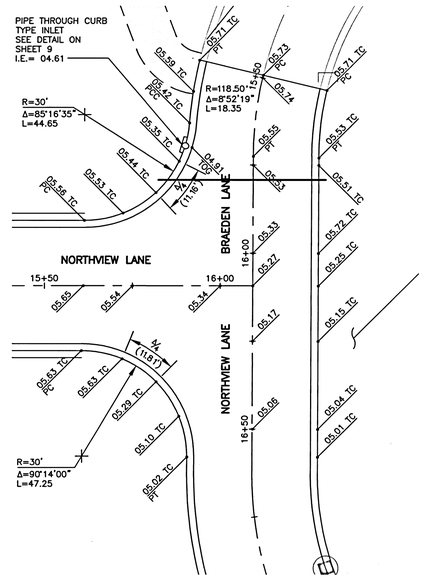


EDNA LANE CUL DE SAC
PROFILE - TOP OF CURB

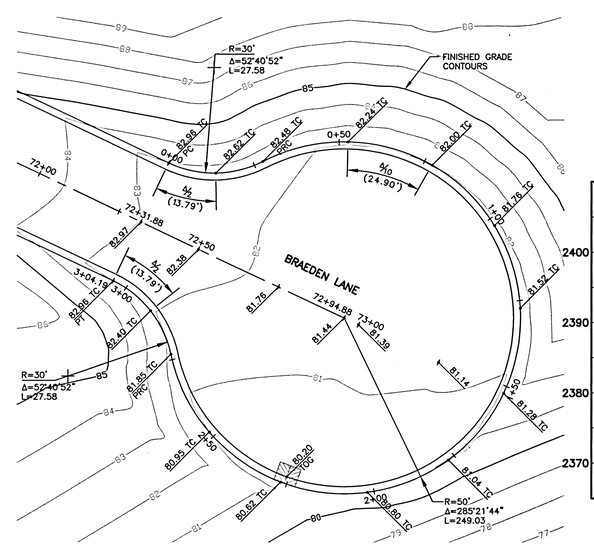
10'
50'
SCALE



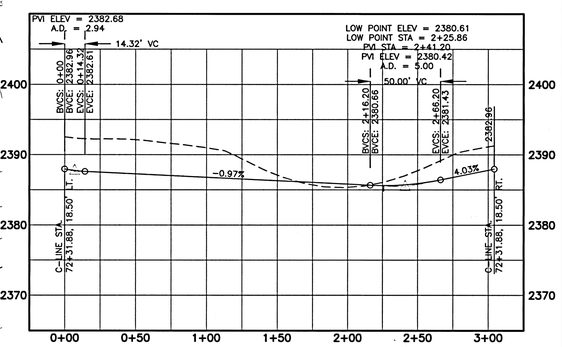
NORTHVIEW LANE & JOHANSEN ROAD



NORTHVIEW & BRAEDEN LANES INTERSECTION (SOUTH)



BRAEDEN LANE CUL DE SAC



BRAEDEN LANE CUL DE SAC
PROFILE - TOP OF CURB

10'
50'
SCALE

0 20' 40' 60'
SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 9-31-2004
ACCEPTANCE EXPIRES: 9-31-2006
PROJECT LANE MILES PUBLIC: n/a
PROJECT LANE MILES PRIVATE: 1.26
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER DATE 8-31-04

P-1794 Eng Road-Drainage

STATE OF WASHINGTON DAVID A. DEAN 31872 REGISTERED PROFESSIONAL ENGINEER 8/25/04
EXPIRES: 10/23/05

REVISIONS
DESCR
DESCR
DESCR
BY DATE
BY DATE
BY DATE

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE
LEWISTON
MONTANA
WASHINGTON
IDAHO
TD&H

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

TYPICAL ROADWAY SECTION, INTERSECTION PLANS AND CUL-DE-SAC PLANS & PROFILES

CAD NOS01-062-SD08.DWG
SHEET 8 OF 9

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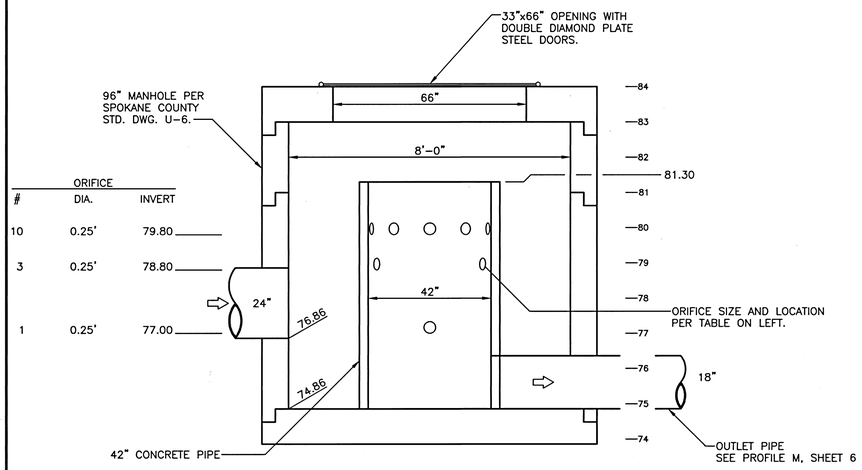
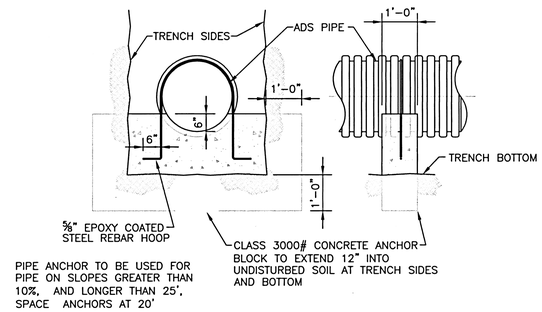


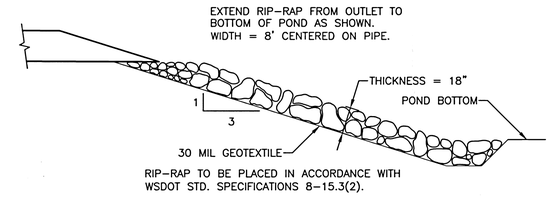
DETENTION POND OUTLET STRUCTURE DETAIL

0 2' 4' 6'
SCALE



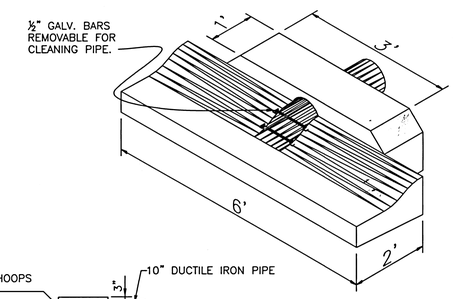
PIPE ANCHOR DETAIL

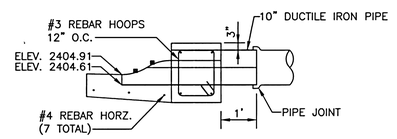
0 2' 4' 6'
SCALE



RIP-RAP DETAIL

NOT TO SCALE

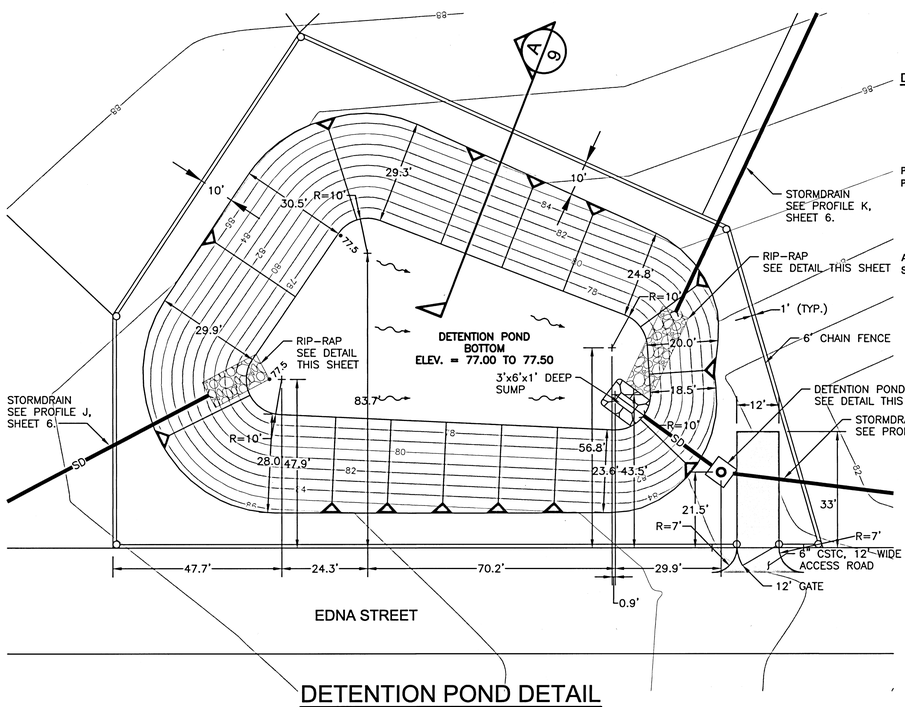




NOTE: REINFORCE 6' SECTION OF CURB. MAKE CONSTRUCTION JOINT AT EACH END.

PIPE DRAIN AT CURB

NOT TO SCALE



DETENTION POND DETAIL

0 20' 40' 60'
SCALE

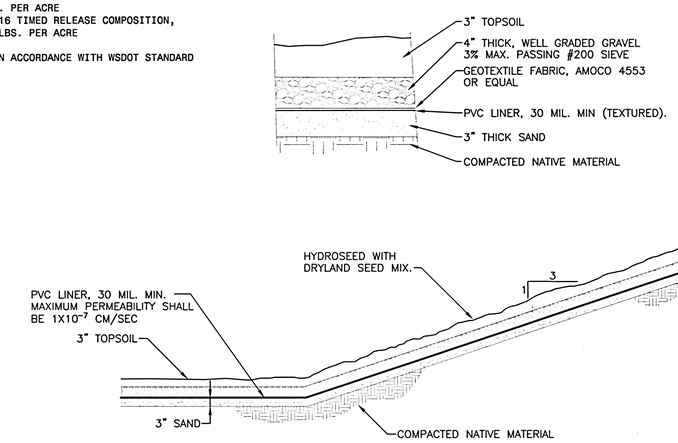
DRYLAND GRASS SEED MIX FOR POND BOTTOM AND SLOPES

20 PERCENT	ELKA PERENNIAL RYE
20 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR SHEEP/FESCUE
15 PERCENT	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING SHALL BE DONE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.



DETENTION POND SECTION A/9

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1794
DATE ACCEPTED: 8-31-2004
ACCEPTANCE EXPIRES: 8-31-2006
PROJECT LANE MILES PUBLIC: N/A
PROJECT LANE MILES PRIVATE: 1.26
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER DATE 8-31-04

P-1794 Eng Road + Drainage

EXPIRES: 10/23/05

REVISIONS
BY DATE DESCR
BY DATE DESCR
BY DATE DESCR

THOMAS, DEAN & HOSKINS, INC.
ENGINEERING CONSULTANTS
GREAT FALLS–BOZEMAN–KALISPELL
SPOKANE LEWISTON
MONTANA WASHINGTON IDAHO

TD&H

DRAWN BY:	EJD
DESIGNED BY:	DAW
QUALITY CHECK:	CWM
DATE:	8/25/04
JOB NO.	S01-062
FIELDBOOK	SDR

NORTHVIEW ESTATES
SPOKANE COUNTY, WASHINGTON

MISCELLANEOUS DETAILS

CAD NCS01-062-SD09.DWG
SHEET 9 OF 9

J:\2001\S01-062\Land Development\S01-062\dwg\S01-062-SD09.dwg, 8/25/2004 12:16:32 PM, TDH SPOKANE,EJD