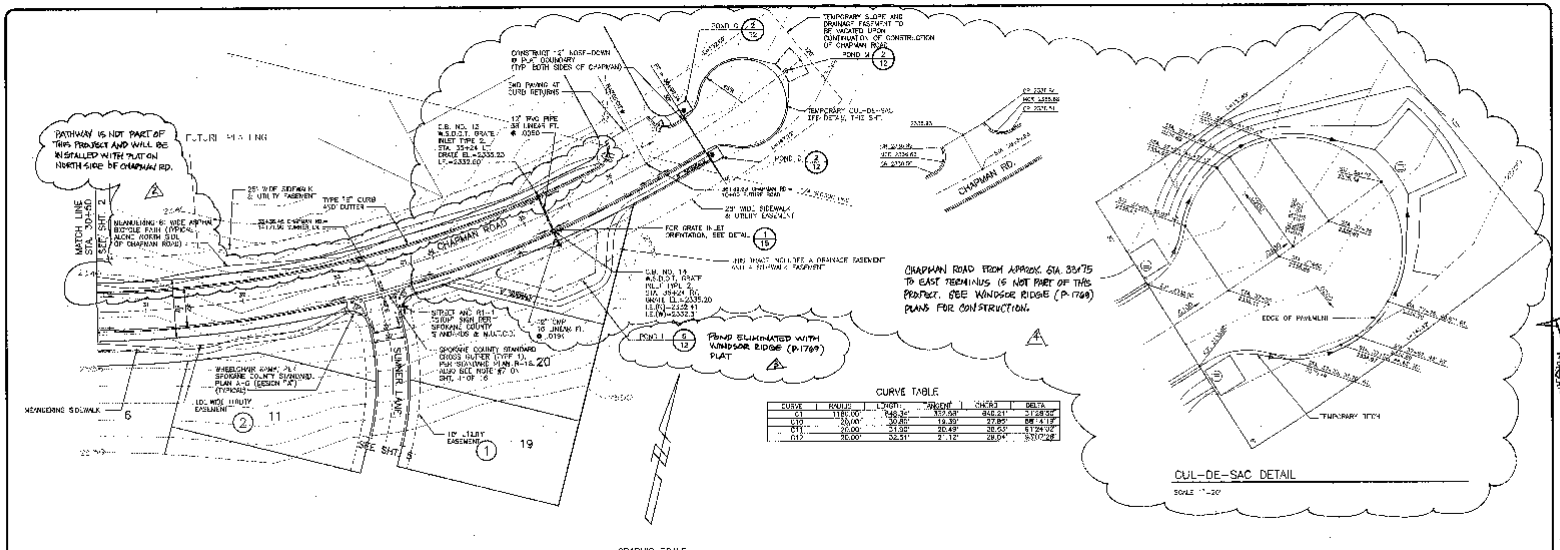


CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	1180.00'	846.34'	442.58'	828.21'	41°28'35"
C10	20.00'	30.80'	19.30'	27.85'	88°41'12"
C11	20.00'	31.90'	20.49'	28.53'	91°24'02"
C12	20.00'	32.31'	21.12'	29.04'	92°07'28"

COUNTY DATUM
PROJECT T.B.M. – P.K. NAIL W. BLOCK OUTCROPPING ELEV.=2386.84 (SEE SHEET 5 FOR LOCATION)

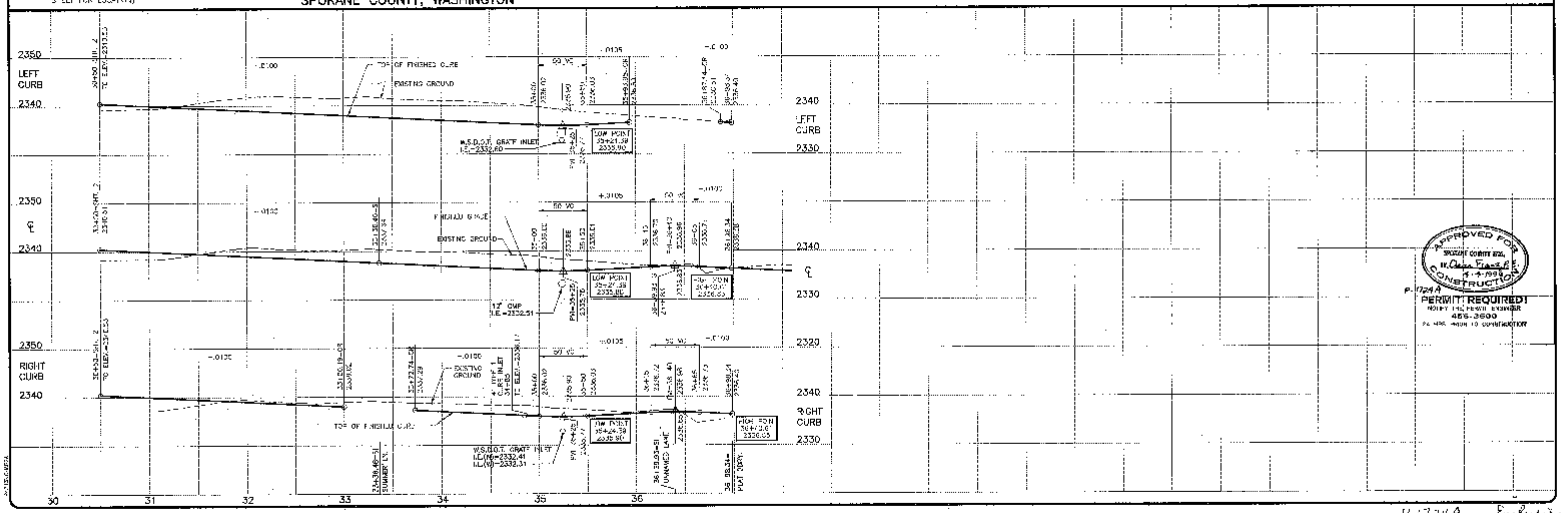
NW 1/4 OF SW 1/4 OF
SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

GRAPHIC SCALE
95 0 25 50 100
(IN FEET)
1 inch = 50 ft.

CALL BEFORE YOU DIG 456-8000

DEVELOPER'S APPROVAL

11/9/05
DATE



REVISIONS	
1	10-25-05 T.S.L. ADDED APPROVAL BLOCK FOR THIS PROJECT
2	10-25-05 T.S.L. ADDED PERMIT REQUIRED BLOCK FOR THIS PROJECT
3	11-9-05 T.S.L. ADDED SIDEWALK BETWEEN CHAPMAN & PARK PROJECT
4	
5	
6	

SEAL

FINAL SUBMITTAL

DATE: 1/09/05
DRAWN BY: RLJ2
DESIGNED BY: JPC
CHECKED BY: TSW

SCALE:
HORIZONTAL 1"=50'
VERTICAL 1"=10'

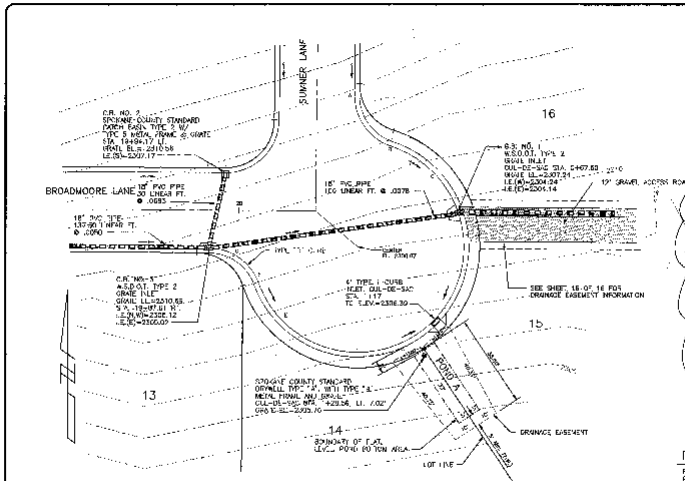
INLAND PACIFIC ENGINEERING
707 W. 2nd, Suite 202
Spokane, WA 99201
(509) 455-8643
FAX: (509) 455-9643

VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 30+50 TO 36+98.34
STREET

SHEET 3 OF 16
JOB NUMBER 94313

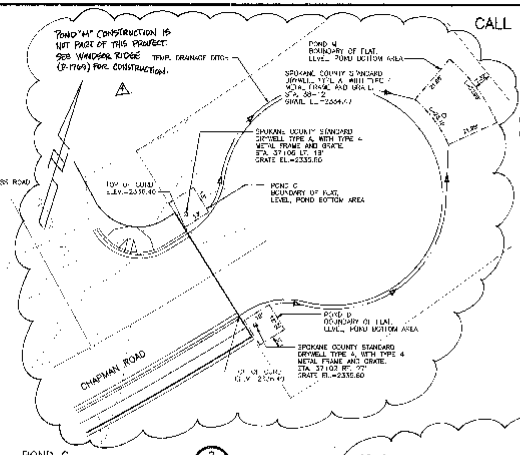
P-1724A Engineering Review

CALL BEFORE YOU DIG 456-8000



POND A (1)

POND BOTTOM ELEV. = 2300.00
POND BOTTOM AREA (BOUNDARY) = 220 S.F.
POND BOTTOM AREA PROVIDED = 333 S.F.
BERM ELEV. = 2308.50



POND C (2)

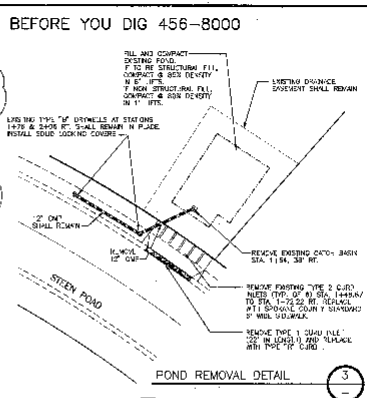
POND BOTTOM ELEV. = 2330.10
POND BOTTOM AREA (BOUNDARY) = 1511 S.F.
POND BOTTOM AREA PROVIDED = 1484 S.F.
BERM ELEV. = 2330.60

POND D

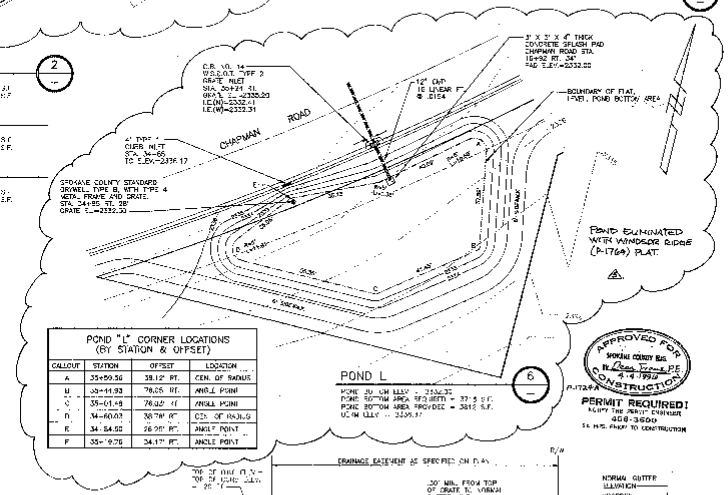
POND BOTTOM ELEV. = 2330.10
POND BOTTOM AREA (BOUNDARY) = 1110 S.F.
POND BOTTOM AREA PROVIDED = 1110 S.F.
BERM ELEV. = 2330.60

POND M

POND BOTTOM ELEV. = 2330.97
POND BOTTOM AREA (BOUNDARY) = 697 S.F.
POND BOTTOM AREA PROVIDED = 697 S.F.
BERM ELEV. = 2331.47



POND REMOVAL DETAIL (3)



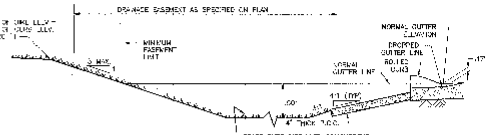
POND L (6)

POND BOTTOM ELEV. = 2330.32
POND BOTTOM AREA (BOUNDARY) = 3315 S.F.
POND BOTTOM AREA PROVIDED = 3315 S.F.
BERM ELEV. = 2330.87

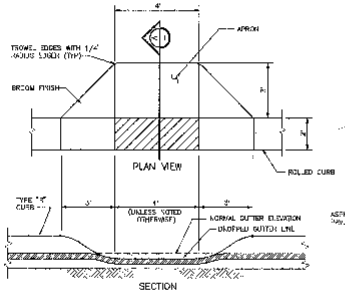
POND "L" CORNER LOCATIONS (BY STATION & OFFSET)			
CALLOUT	STATION	OFFSET	LOCATION
A	35+59.50	38.12 RT.	CEN. OF RADIUS
B	35+41.93	78.05 RT.	ANGLE POINT
C	35+01.45	78.02 RT.	ANGLE POINT
D	34+60.03	38.78 RT.	CEN. OF RADIUS
E	34+54.52	26.29 RT.	ANGLE POINT
F	35+19.76	34.17 RT.	ANGLE POINT

APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ESD
4-4-1997

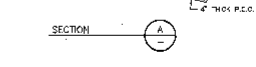
PERMIT REQUIRED!
ALERT THE PROJECT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION



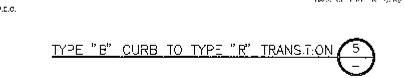
TYPICAL '208' POND
WITHOUT DRAINAGE STUCTURE
SECTIONAL VIEW
(NOT TO SCALE)



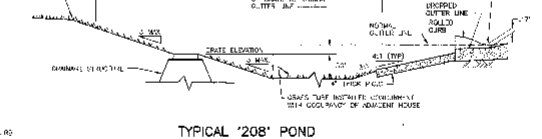
TYPICAL TYPE 1 CJRB INLET
TYPE "R" CURB (NOT TO SCALE) (4)



(A)



TYPE "B" CURB TO TYPE "R" TRANSITION (5)



TYPICAL '208' POND
WITH DRAINAGE STRUCTURE
SECTIONAL VIEW
(NOT TO SCALE)

DEVELOPER'S APPROVAL — DATE 11/3/05

P-17244 Engineer Drawings Revised

REV.	DATE	BY	DESCRIPTION
1	11/03/05		ADDED 208 DRAINAGE
2	11/03/05		ADDED 208 DRAINAGE

REVISIONS

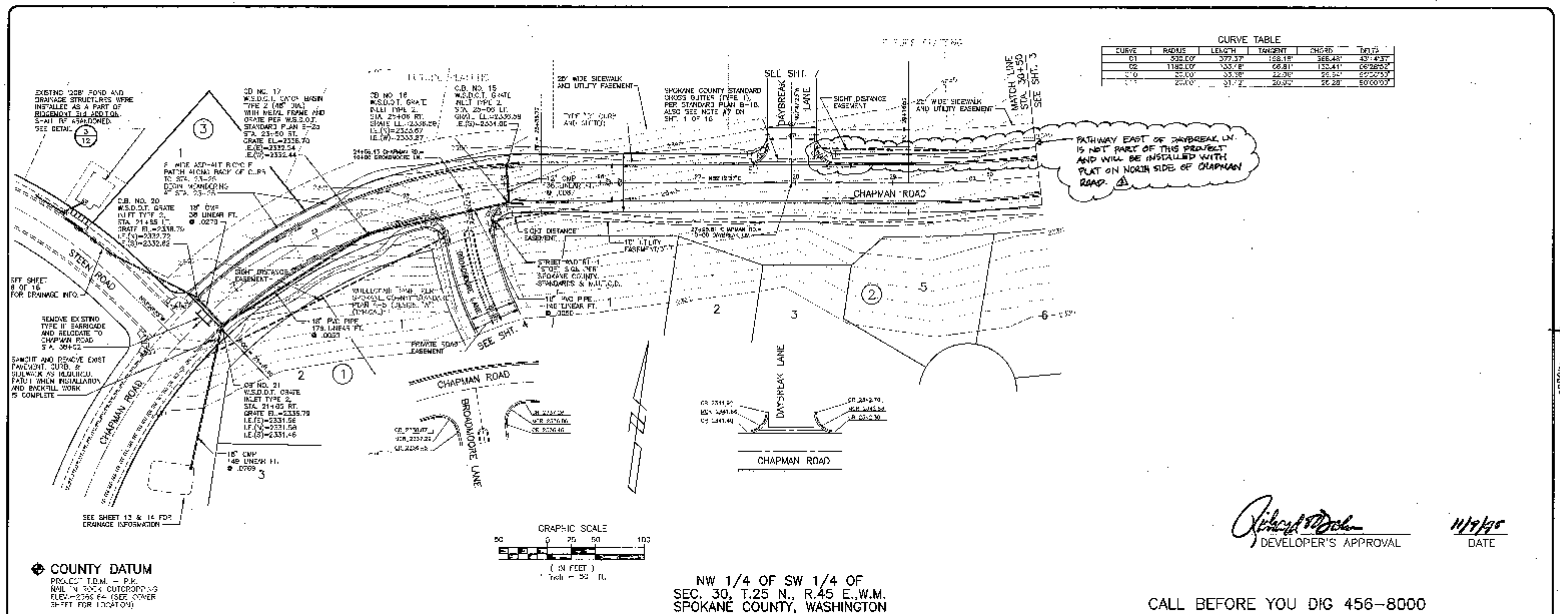
DATE: 11/03/05
DRAWN BY: EJC
CHECKED BY: EJC
DATE: 10/31/05
FILE: P17244

SCALE: HORIZONTAL 1"=20' VERTICAL 1"=10'

INLAND PACIFIC ENGINEERING
107 West 7th, Suite 200 Spokane, WA 99204
(509) 456-8640 FAX (509) 456-8644

VIEWMONT AT MORNINGSIDE
DETAILS
P-17244A
STREET

SHEET 12 of 16
JOB NUMBER 94313



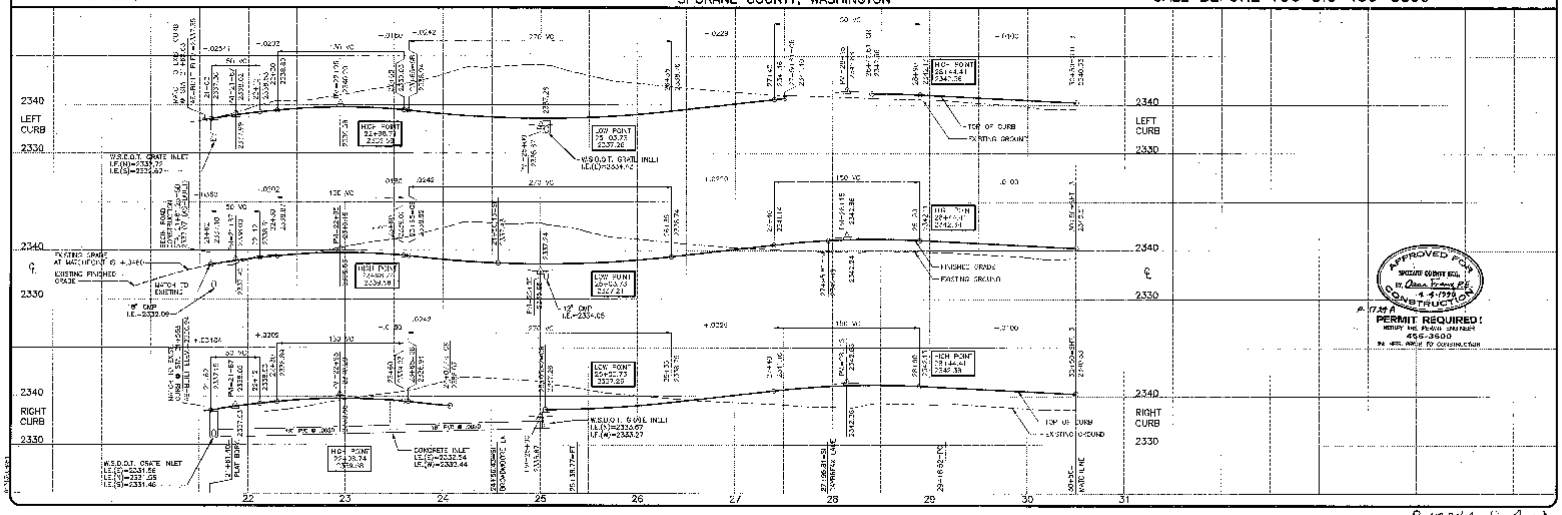
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	532.00'	277.37'	158.18'	268.48'	43°41'37"
C2	1185.00'	333.78'	168.81'	332.41'	06°28'12"
C3	25.00'	33.38'	22.30'	30.90'	85°20'53"
C4	20.00'	31.42'	20.00'	28.28'	90°00'00"

DEVELOPER'S APPROVAL 11/7/95 DATE

COUNTY DATUM
PROJECT T.B.M. - P.K. NAIL IN POWER CUTBOX ELEV.=2350.64 (SEE CORNER SHEET FOR DESCRIPTION)

NW 1/4 OF SW 1/4 OF
SEC. 30, T.25 N., R.45 E.W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000



NO.	DATE	BY	REVISIONS
1	11-9-95	TRS	ADDED NEW SUBMITTER DATA, DELETED TRS PROJECT

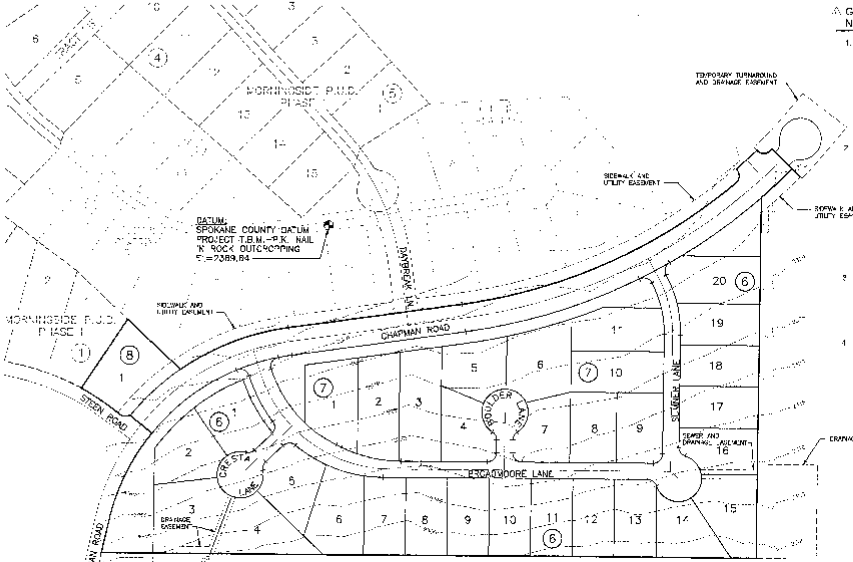
SCALE: HORIZONTAL 1" = 50' VERTICAL 1" = 10'

INLAND PACIFIC ENGINEERING
701 West Riverside, Suite 1001
Spokane, WA 99204
Phone (509) 455-9544
Fax (509) 455-9644

VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 21+61.40 TO 30+50
P-1724A
STREET

SHEET 2 OF 16
JOB SUBJECT 94513

P 1724A Eng Roads Drainage Revised



PROJECT LOCATION MAP
SCALE: 1"=100'

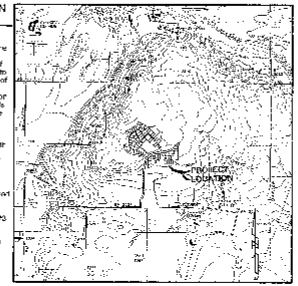
GRAVEL INFILTRATION SYSTEM CONSTRUCTION NOTES:

1. The Contractor shall notify the Civil Engineer-Inland Pacific Engineering, contact Mike Vaile, P.E. at 509-448-0940, and the Geotechnical Engineer (Howard Consultants, contact Mark Stoney, P.E.) at 509-891-1931 prior to beginning construction of the Gravel Infiltration System adjacent to Pond H. This is due to an inspection and certification requirement for the construction of this facility with Spokane County. Excavation and construction activities associated with the construction of this gravel infiltration system without the Civil Engineer's and Geotechnical Engineer's representatives on site at time of construction, may result in the non-acceptance of the constructed facilities and will require reconstruction at the Contractor's expense.

2. The Contractor is advised that the gravel infiltration trench length and location, shown in the plans, is approximate. The exact gravel trench and/or location may need to be moved at time of trench excavation depending upon substrate and conditions encountered. Given the trench or portions of the trench is excavated, the Contractor shall request the Civil Engineer and Geotechnical Engineer (as defined above), to inspect the exposed trench. At that time the Civil Engineer and Geotechnical Engineer shall determine the actual trench dimensions are sufficient needed to meet the design parameters listed in note #3 below, and shall make a determination if the Gravel Infiltration System plan is to be revised. The Civil Engineer and Geotechnical Engineer shall provide the Contractor with revised Gravel Infiltration System plans and dimensions, if infiltration system revisions are needed.

3. Design criteria of the Gravel Infiltration System:
   a) Minimum total impervious capacity of 1.5 cfs at time of completed installation, utilizing only one sidewall of the trench. This provides a Factor of Safety of at least 2.3
   b) Minimum 3.0 ft vertical separation between bottom of gravel envelope in trench and seasonal high groundwater table.

4. Certification
   The Civil Engineer and Geotechnical Engineer shall provide, in writing, a statement to Spokane County certifying that the Gravel Infiltration System meets or exceeds the design criteria listed in Note #3 above. The statement is to be signed and stamped by both licensed engineers. This certification shall be provided to Spokane County prior to establishment of the County roads within this plat. If any revisions to the Gravel Infiltration System are made, these revisions shall also be incorporated in the Plans of Record, on file at the Spokane County Engineer's Office.



VICINITY MAP
NO TO SCALE

INDEX TO PLAN SHEETS

SHEET 1 – COVER SHEET
SHEET 2 – CHAPMAN ROAD
SHEET 3 – CHAPMAN ROAD
SHEET 4 – BROADMOORE LANE
SHEET 5 – SUMMIT LANE
SHEET 6 – BOULDER LANE AND CRESTA LANE
SHEET 7 – DAYBREAK LANE
SHEET 8 – STEEN ROAD
SHEET 9 – 32nd AVENUE
SHEET 10 – CHAPMAN – OFFSITE
SHEET 11 – CHANNELIZATION PLAN
SHEET 12 – DETAILS
SHEET 13 – DETAILS
SHEET 14 – DETAILS
SHEET 15 – CROSS-SECTIONS
SHEET 16 – DETAILS

EROSION AND SEDIMENTATION CONTROL NOTES △

[illegible]

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION, 1992, AND ITS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING THE SAME. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO MAKE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS (INCLUDING, BUT NOT LIMITED TO, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEERS OFFICE.
5. FOR CONSTRUCTION IN INCHOLUS, USUAL, LOOSE ENDING CHECKED ASTM OR APPROVED EQUAL BETWEEN THE SEWER, BASEBY AND THE WASHED DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOIL.
6. PRIOR TO SITE CONSTRUCTION, IF CONTRACTOR IS RESPONSIBLE TO LOCATE UNDERGROUND UTILITIES, CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
7. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-CUTS, FORM, AND, IF THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-CUTTER SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE CUTTER.
8. FOR ANY CUBIC YARDAGE LESS THAN 5,000 CUBIC YARDS, A WASHINGTON STATE-LICENSED PROFESSIONAL ENGINEER PREPARED PLAN & STAMP PLAN BY CUBIC YARDS ARE AT THE GRADES NOTED ON THE APPROVED PLANS PRIOR TO PLAN APPROVAL OUTSIDE MATERIAL THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR RESPONSIBLE FOR SURVEYING THE PROJECT.

CALL BEFORE YOU DIG 456-8000

FIRE DISTRICT NO. 8 APPROVAL — DATE

DEVELOPER'S APPROVAL — DATE

APPROVED FOR SPOKANE COUNTY ENG. 4-4-1995 CONSTRUCTION
P-17244
PERMIT REQUIRED!
NOTIFY THE COUNTY ENGINEER 456-3600
TO BE PAID BY CONTRACTOR

VIEWMONT AT MORNINGSIDE

LOCATED IN PORTIONS OF THE
EAST 1/2 OF SEC. 25, T.25 N., R.44E. WM
AND THE
WEST 1/2 OF SEC. 30, T.25N., R.45E. WM
SPOKANE COUNTY, WASHINGTON
SEPTEMBER 1995

NO.	DATE	BY	REVISIONS

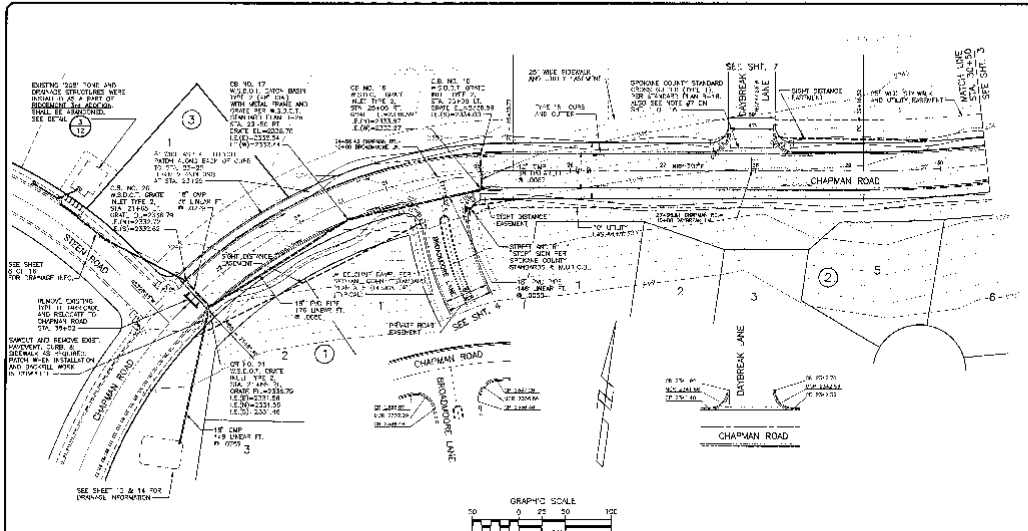
INLAND PACIFIC ENGINEERING
310 SPRAGUE AVE.
SPOKANE, WA. 99204
(509) 456-0940
FAX (509) 456-0944

DATE 1/09/95
DRAWN BY JFC
DESIGNED BY JFC
CHECKED BY TBW

SCALE: 1"=50'-0", AS NOTED
DETAILS: N.A.

VIEWMONT AT MORNINGSIDE
COVER SHEET

SHEET 1 OF 16
JOB NUMBER 94313



CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C	500.00'	377.37'	198.19'	266.48'	42°14'37"
C2	1100.00'	133.43'	66.81'	66.41'	06°58'22"
C3	200.00'	33.38'	23.36'	22.64'	31°34'54"
C4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

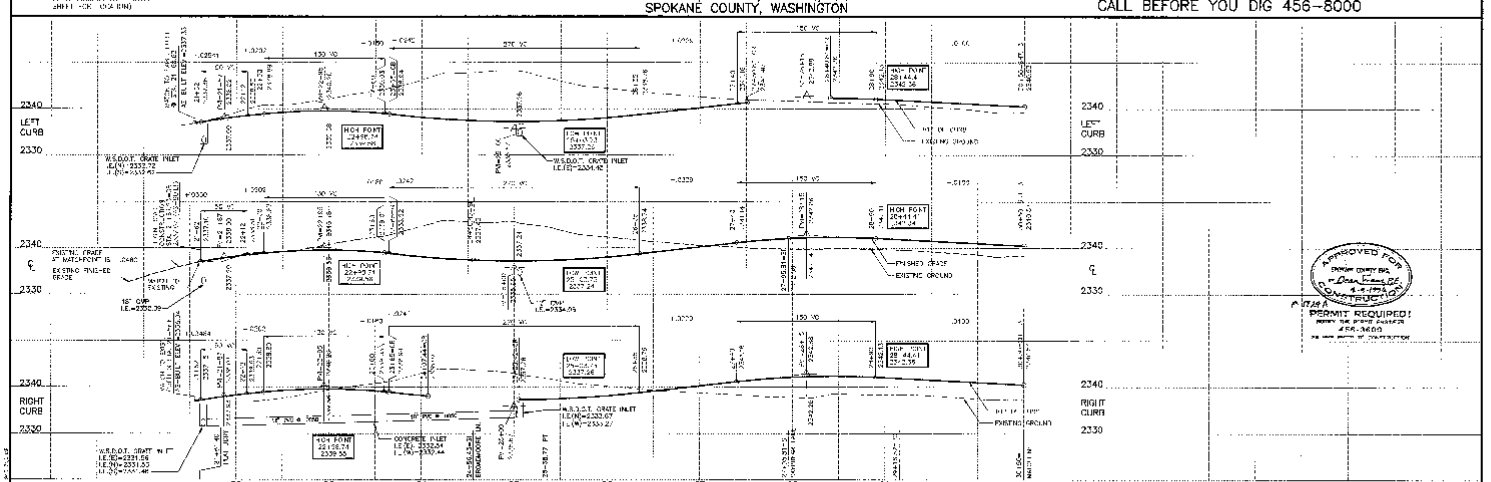
DEVELOPER'S APPROVAL

11/5/05
DATE

COUNTY DATUM

NW 1/4 OF SW 1/4 OF
SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000



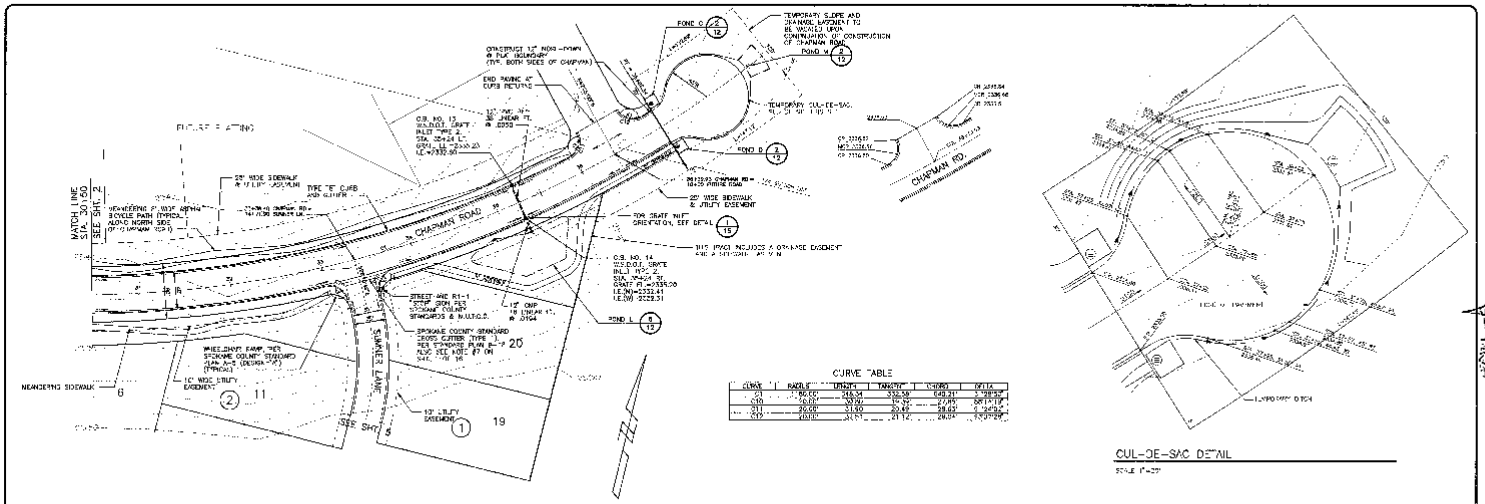
INLAND PACIFIC ENGINEERING

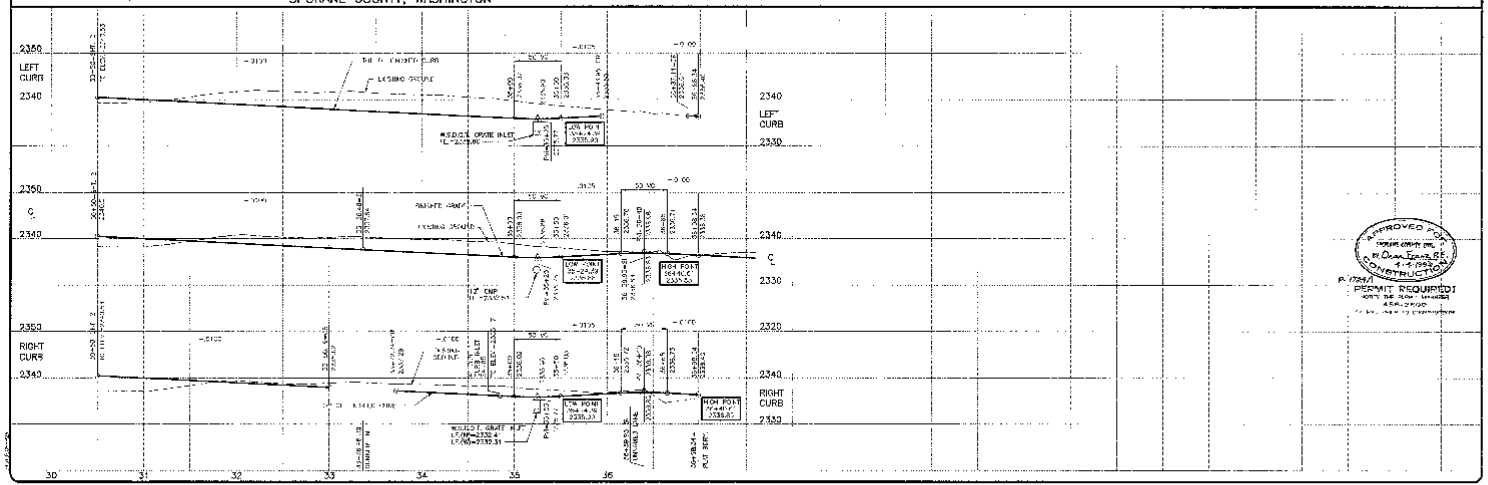
VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 21+61.40 TO 30+50
P-1724A

STREET

SHEET 2 OF 16

JOB NUMBER 94313





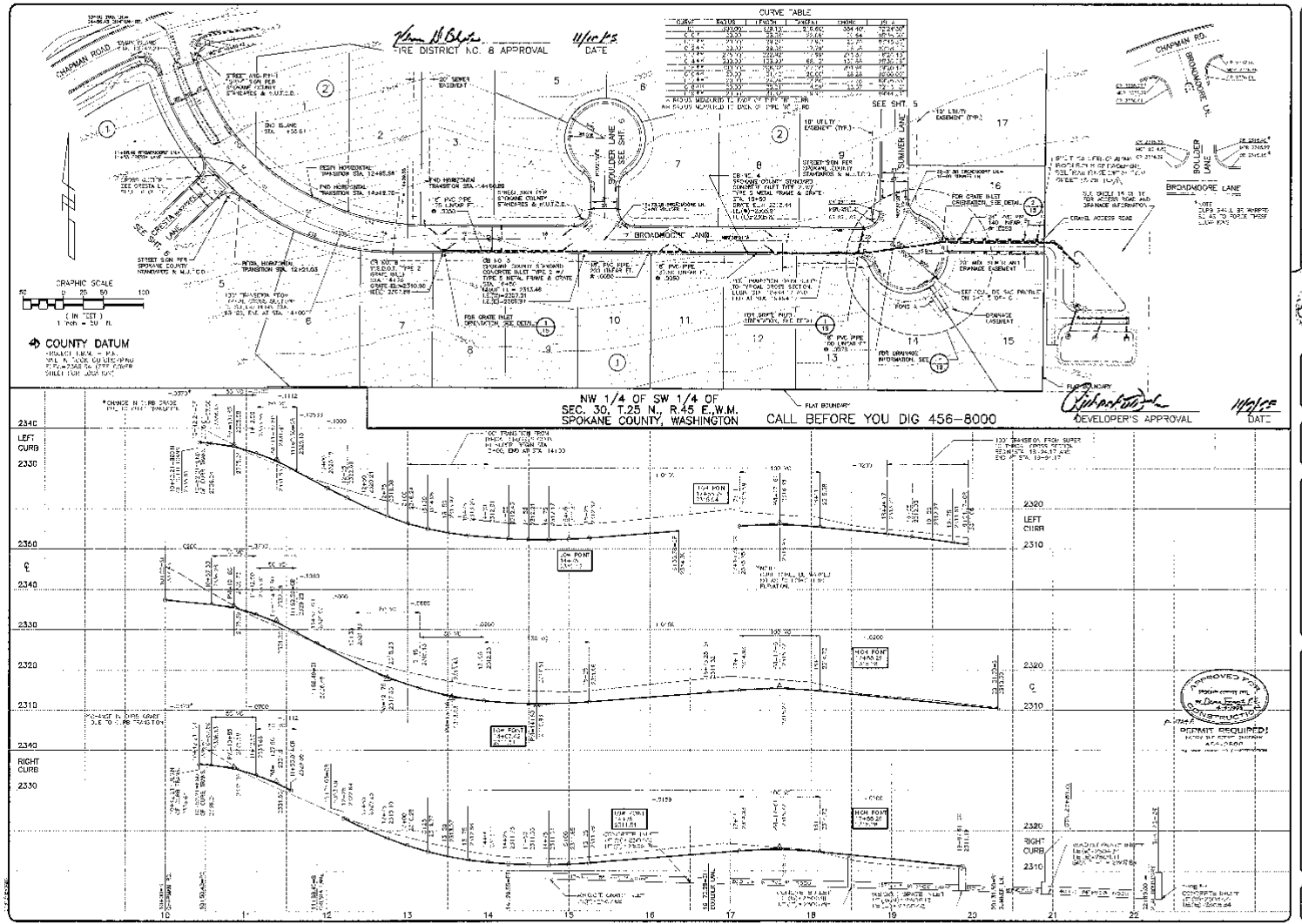
INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 30+50 TO 36+98.34

STREET

SHEET 3 OF 16

JOB NUMBER 94313

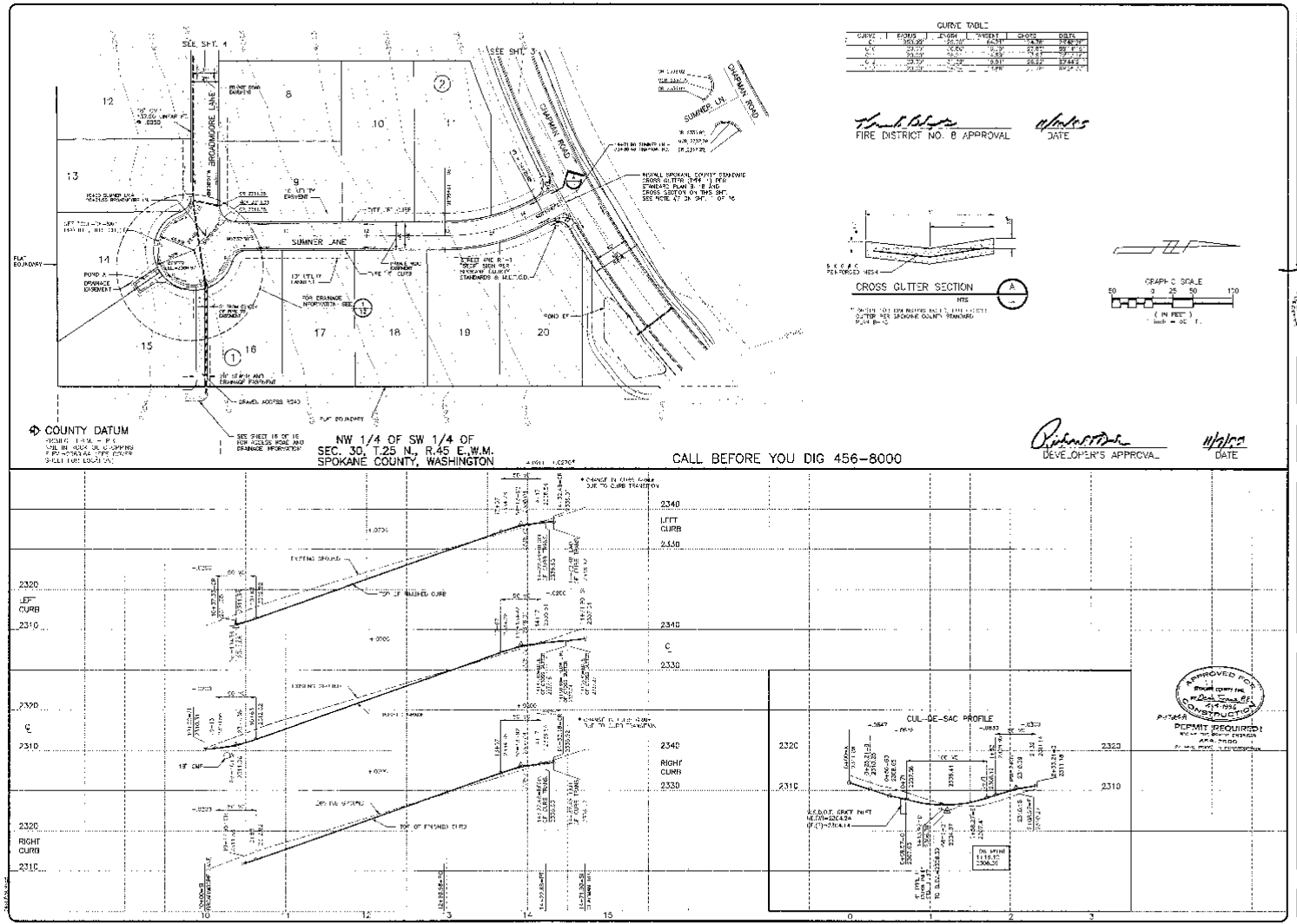


SCALE
1"=50'
1"=10'

INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
BROADMOORE LANE
STREET

SHEET 4 OF 16
JOB NUMBER 94313



INLAND PACIFIC ENGINEERING

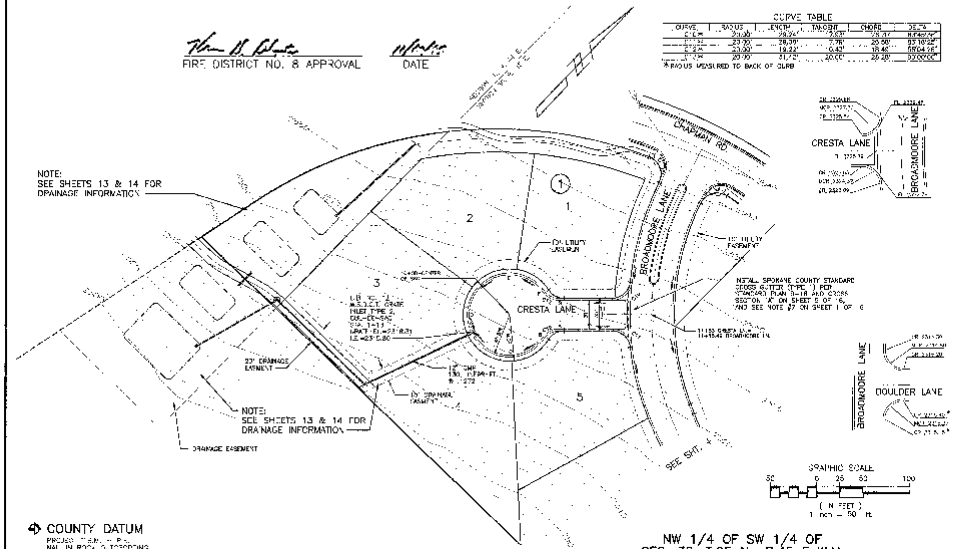
VIEWMONT AT MORNINGSIDE
SUMNER LANE
STREET

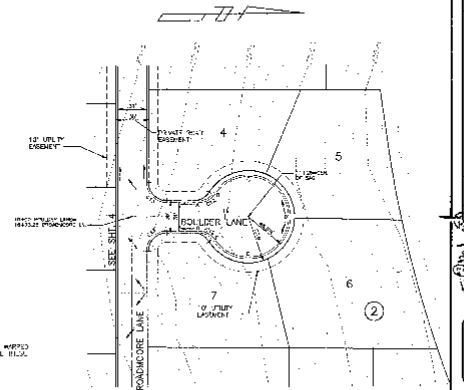
SHEET 5 OF 16

FIRE DISTRICT NO. 8 APPROVAL — DATE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	20.00	28.24	17.30	25.91	80°52'25"
C2	23.00	28.99	7.78	27.08	67°10'24"
C3	23.00	19.22	10.41	18.68	47°04'16"
C4	20.00	31.42	20.00	28.28	90°00'00"

*RADIUS MEASURED TO BACK OF CURB



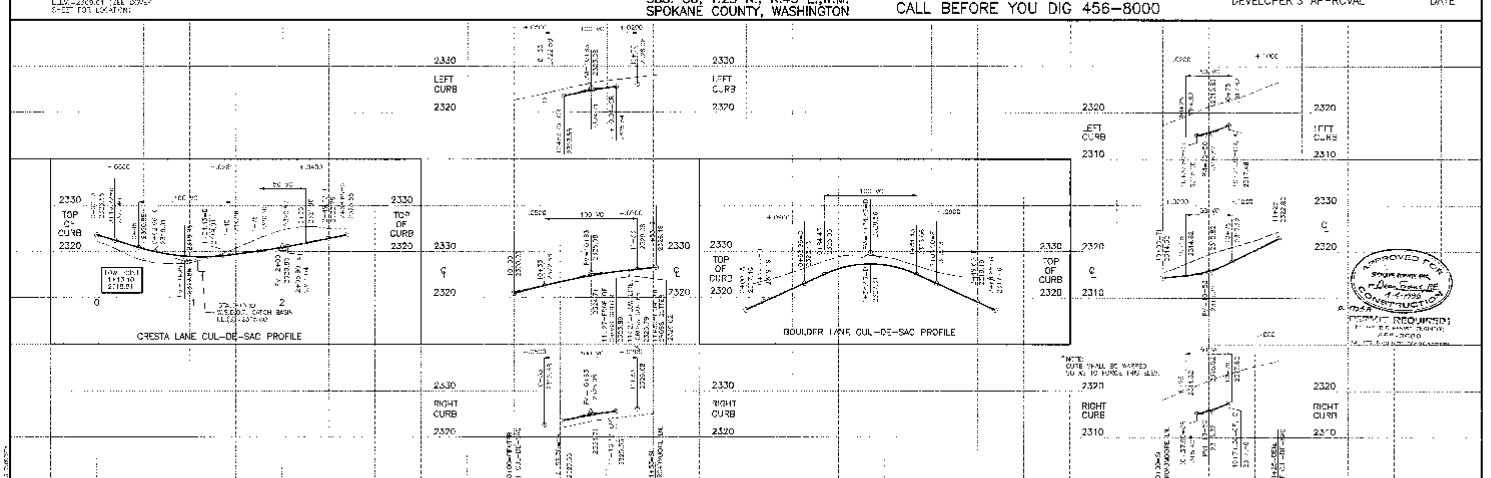


COUNTY DATUM

NW 1/4 OF SW 1/4 OF
SEC. 30, T.25 N., R.45 E.W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

DEVELOPER'S APPROVAL — DATE



INLAND PACIFIC ENGINEERING
703 SOUTH STATE LINE
SPOKANE, WA 99037
(509) 534-0811

VIEWMONT AT MORNINGSIDE
CRESTA LANE
BOULDER LANE
STREET

SHEET 6 OF 16
JOB NUMBER 94313

GRAPHIC SCALE

CONSTRUCTION NOTES

1. EXTEND EXISTING WATER MAIN WITH END CAP AND THRUST BLOCK. END CAP STA 13+73.80, 50.00' LT.
2. ADJUST FIRE HYDRANT TO INSTALL GRADE
3. INSTALL 1" SERVICE AT WATER MAIN STA 13+70.00, 51.25' LT.
4. INSTALL 53.34 L.F. OF 8" SANITARY SEWER PIPE MATCH SLOPE OF EXISTING PIPE
5. ADJUST MANHOLE RIM TO GRADE
6. APPLY ASPHALT TACK COAT TO ALL CURBS TO CLEAN IN ASPHALT PRIOR TO PLACEMENT OF ASPHALT
7. INSTALL 2" SAN. SEWER END CAP STA 2+24.65, 50.00' RT.
8. INSTALL 15.23 L.F. OF 8" SANITARY SEWER PIPE MATCH SLOPE OF EXISTING PIPE
9. TRANSITION 8" CURB TO 6" CURB BEGINNING AT STA 13+70.00 TYPE "B" TO TYPE "A" CURB

COUNTY DATUM

PROJECT DATUM – MSL
NAD 83 BASIS OF BEARINGS
LLV-2 DATUM (FIELD SURVEY
SURVEY FOR LOCATION)

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
1	200.00'	250.00'	142.60'	242.76'	71°59'00"
2	200.00'	14.00'	7.00'	14.00'	4°00'59"
3	200.00'	37.00'	18.53'	37.00'	10°36'00"
4	200.00'	22.00'	11.00'	22.00'	6°18'00"
5	200.00'	14.00'	7.00'	14.00'	4°00'59"
6	200.00'	250.00'	142.60'	242.76'	71°59'00"
7	200.00'	14.00'	7.00'	14.00'	4°00'59"
8	200.00'	37.00'	18.53'	37.00'	10°36'00"
9	200.00'	22.00'	11.00'	22.00'	6°18'00"
10	200.00'	14.00'	7.00'	14.00'	4°00'59"

* CURVE INFORMATION IS FOR CURVE PROV. PG. TO PLAT BOUNDARY
** CURVE INFORMATION IS FOR BACK OF NO. FR. CURB

MORNINGSIDE P.U.D. PHASE

CHAPMAN ROAD

DAYBREAK LANE

FUTURE ROAD

INTERSECTION DETAIL

SEE INTERSECTION DETAIL THIS SHEET

EXISTING PLAT BOUNDARY

TYPICAL CROSS-SECTION
DAYBREAK LANE
(FUTURE ROAD TO STA 13+85.09)

TYPICAL CROSS-SECTION
DAYBREAK LANE
(CHAPMAN ROAD TO FUTURE ROAD)

SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

'DEVELOPER'S APPROVAL

May 14, 1997
DATE

LEFT CURB

RIGHT CURB

PERMIT REQUIRED!

VIEWMONT AT MORNINGSIDE
DAYBREAK LANE
CHAPMAN ROAD TO 13+85.09

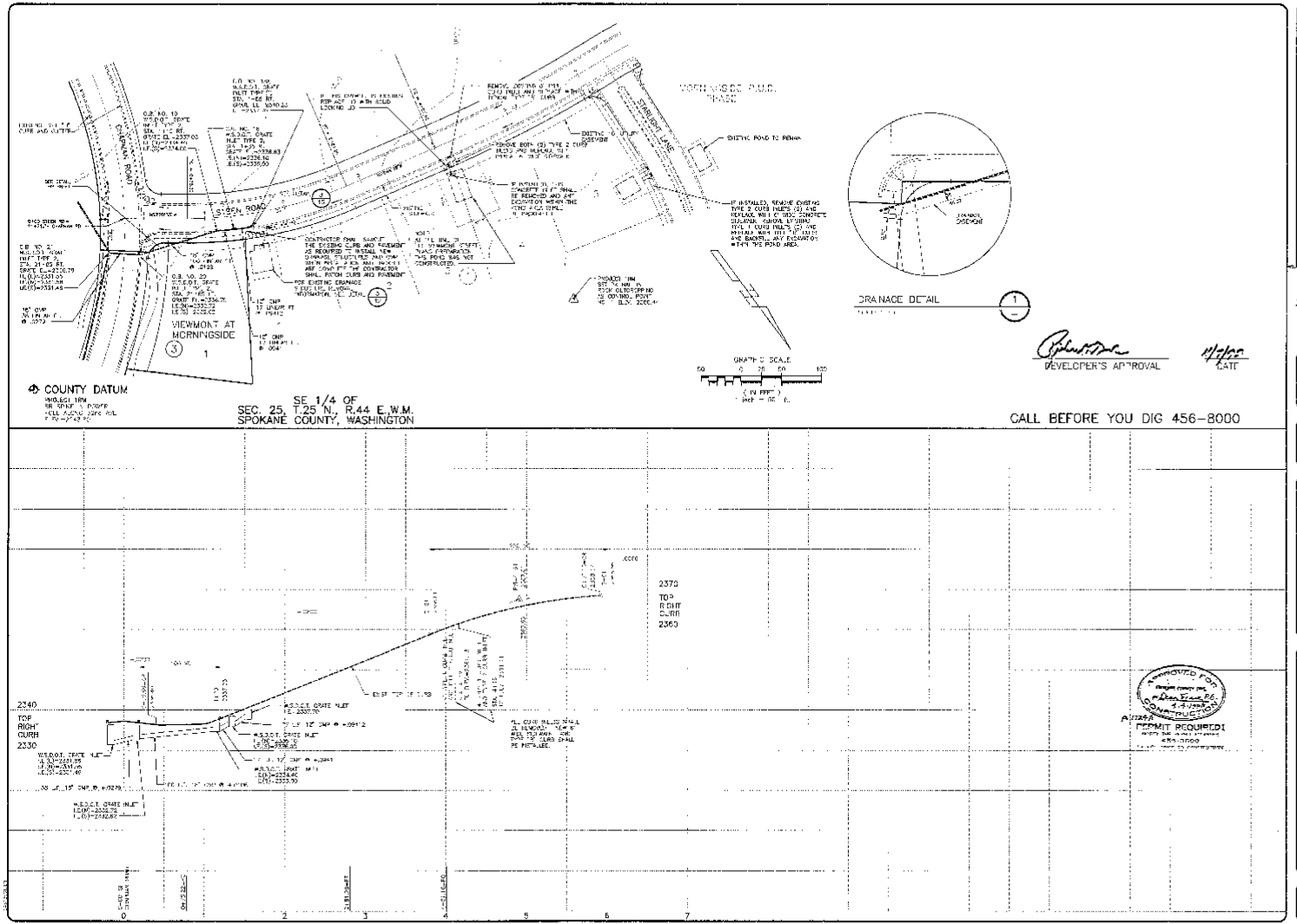
STREET

INLAND PACIFIC ENGINEERING

SCALE: 1"=10'

SHEET 7 of 16

JOB # 94-313



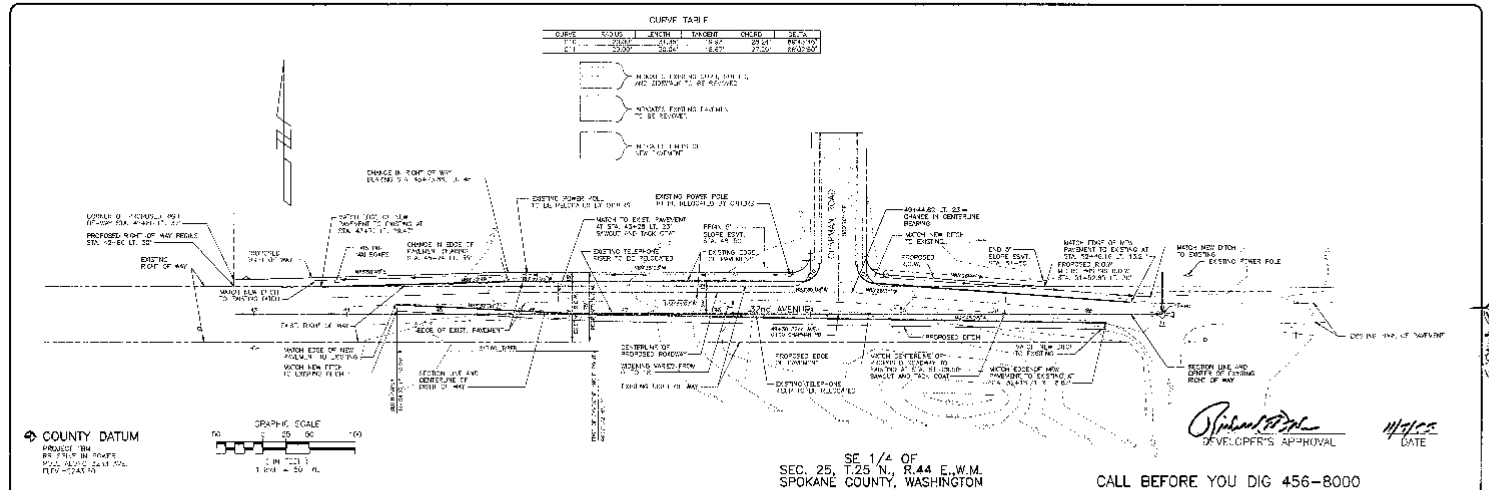
INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
STEEN ROAD
P-1724A
STREET

SCALE:
1"=50'
1"=10'

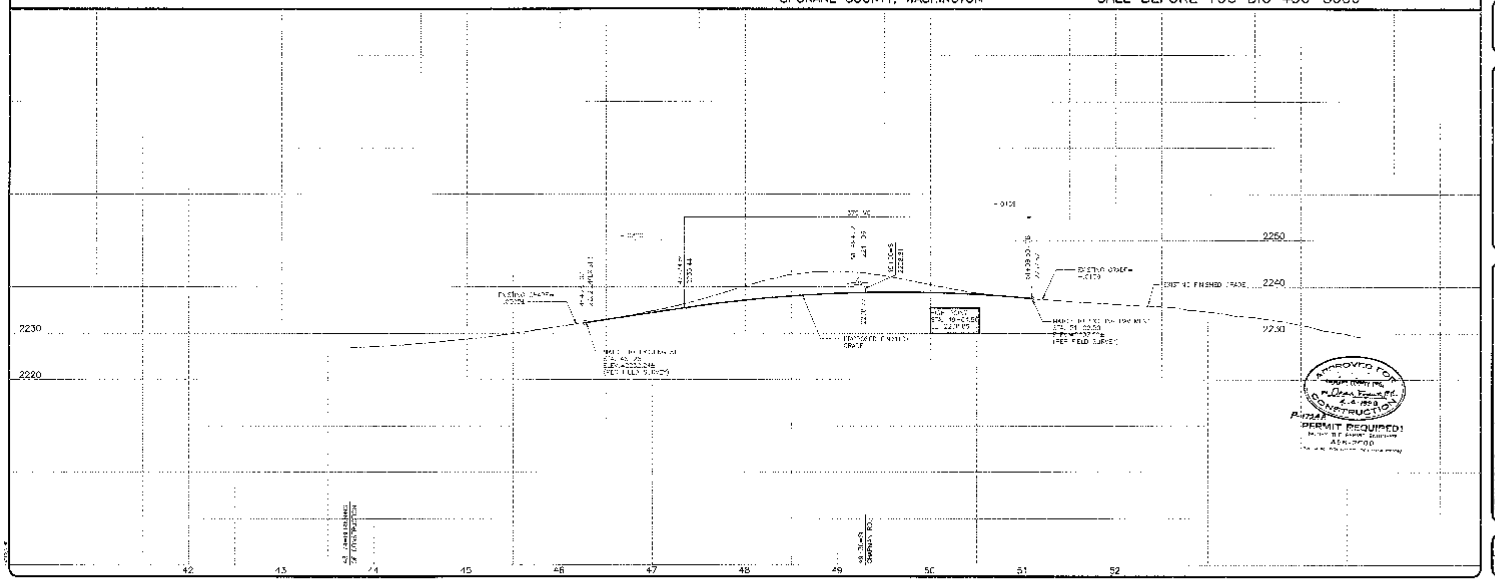
11/01/95
JFC 5/04
TRW JFC
TRW

SHEET
8 of 16



SE 1/4 OF
SEC. 25, T.25 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000



VIEWMONT AT MORNINGSIDE
32nd AVENUE
P-1724A
STREET

INLAND PACIFIC ENGINEERING

SCALE: 1"=50' 1"=10'

SHEET 9 OF 16

94313

CALL BEFORE YOU DIG 456-8000

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING
C	450.00'	242.13'	124.04'	239.06'	S06°09'16"E
C-2	450.00'	242.13'	124.04'	239.06'	S06°09'16"E

RETENTION POND CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING
31	400.00'	42.10'	21.04'	42.08'	S67°09'16"E
32	36.00'	113.18'	72.84'	101.97'	S28°09'16"E
33	400.00'	51.00'	27.50'	50.97'	S67°09'16"E
34	400.00'	122.06'	61.55'	121.71'	S48°38'30"E
35	400.00'	49.10'	24.58'	49.06'	S29°08'02"E

TABLE A

SALSLOT	PIPE	DIA. X LINEAR FT.	GRADE
A	CMP	24" X 7 L.F.	CGCC
B	CMP	24" X 7 L.F.	CGCC
C	CMP	24" X 7 L.F.	CGCC
D	CMP	24" X 7 L.F.	CGCC

TABLE B

STATION	STRUCTURE	GRATE ELEV.	INVERT ELEV.
4+70, 40' LT.	CONCRETE INLET TYPE I	2227.44	2224.90
4+70, 40' RT.	CONCRETE INLET TYPE I	2227.49	2224.90
7+75, 40' LT.	CONCRETE INLET TYPE I	2227.49	2224.90
5+55, 40' RT.	CONCRETE INLET TYPE I	2227.44	2224.90

NOTE:
ALL ROAD INFORMATION SHOWN ON THIS SHEET IS EXISTING INFORMATION SHOWN ON THE RIDDEMONT ESTATES 3RD ADDITION PLANS.
ALL ROADS SHALL BE RECONFIGURED TO MEET THESE REQUIREMENTS INCLUDING IMPROVEMENTS, DRAINAGE, PERCOLATION, FACILITATION, REGRADING, AND DRIVEWAY GRADING.

DEVELOPER'S APPROVAL

11/14/05
DATE

GRAPHIC SCALE
1" = 50' ft.

TYPICAL CROSS SECTION
CHAPMAN ROAD

COUNTY DATUM

SE 1/4 OF
SEC. 25, T.25 N., R.44 E.,W.M.
SPOKANE COUNTY, WASHINGTON

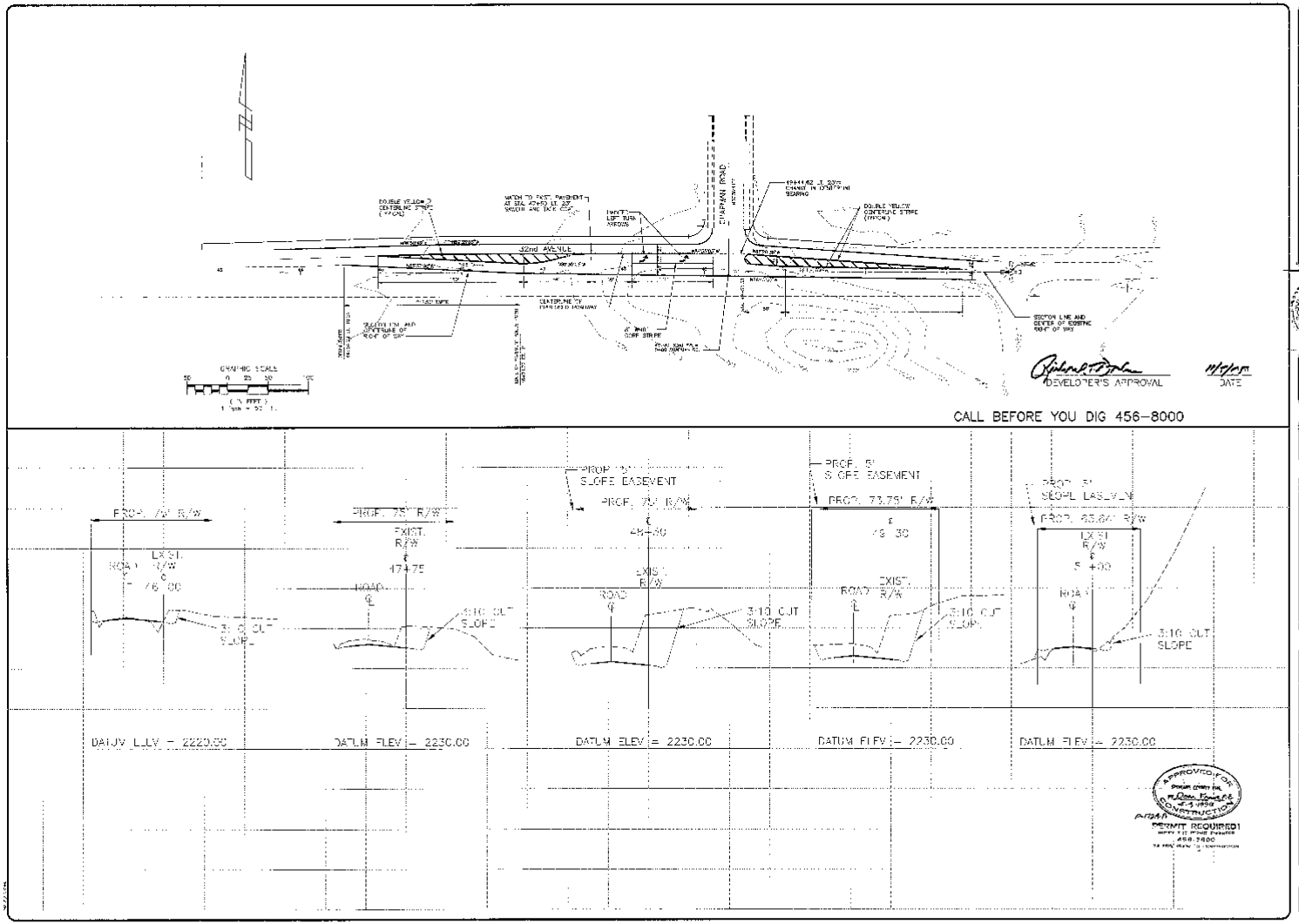
PERMIT REQUIRED!

APPROVED FOR CONSTRUCTION

INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 0+00 TO 24+56
P-1724A

SHEET 10 OF 16



INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
32nd AVENUE CHANNELIZATION
P-1724A

STREET

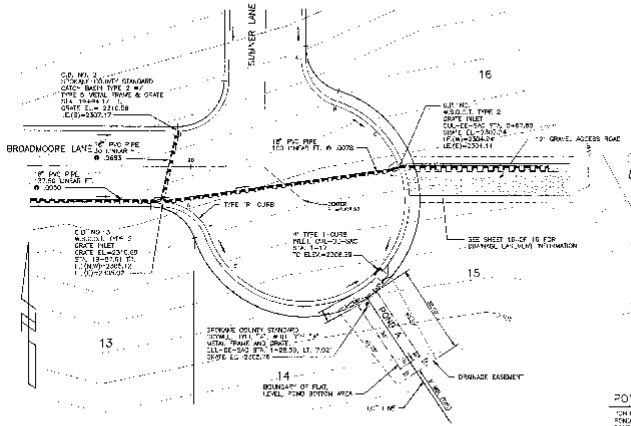
SHEET 1 OF 6

JOB NUMBER 94313

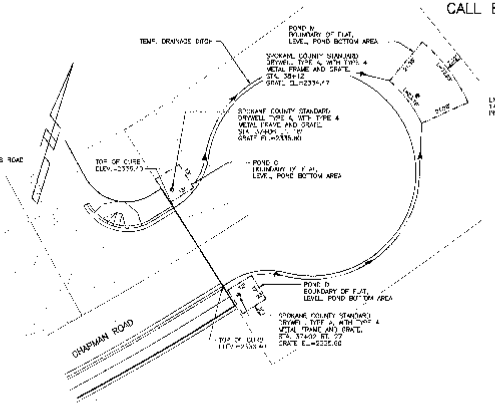
SCALE: HORIZONTAL 1"=50' VERTICAL 1"=10'

DATE 11/04/99

CALL BEFORE YOU DIG 456-8000



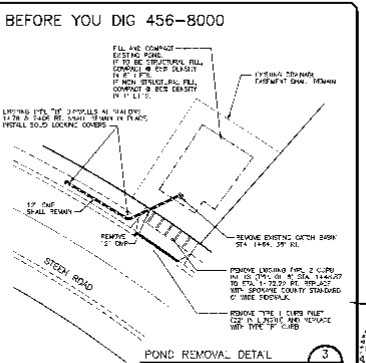
POND A 1



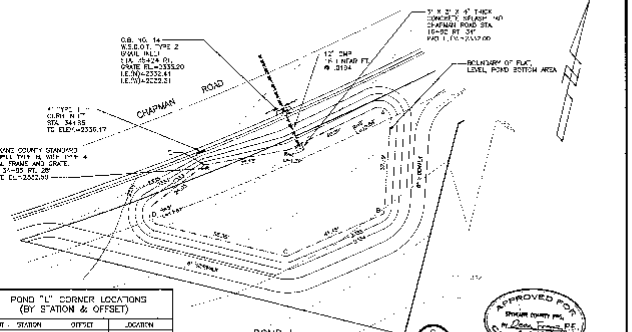
POND C 2

POND D

POND M

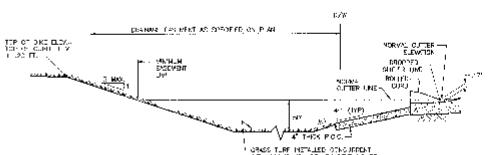


POND REMOVAL DETAIL 3

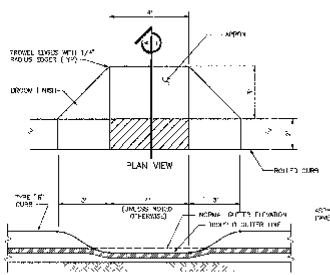


POND L 6

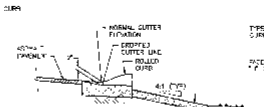
POND "L" CORNER LOCATIONS (BY STATION & OFFSET)			
CALLOUT	STATION	OFFSET	LOCATION
A	35+59.58	38.12' RT	CEN. OF RADIUS
B	35+44.83	76.03' RT.	ANGLE POINT
C	35+31.48	76.03' RT	ANGLE POINT
D	34+80.93	59.70' RT.	CEN. OF RADIUS
E	34+85.50	26.25' RT.	ANGLE POINT
F	35+19.78	34.17' RT.	ANGLE POINT



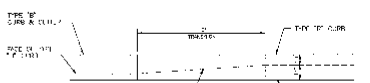
TYPICAL '208' POND
WITHOUT DRAINAGE STUCTURE
SECTIONAL VIEW
(NOT TO SCALE)



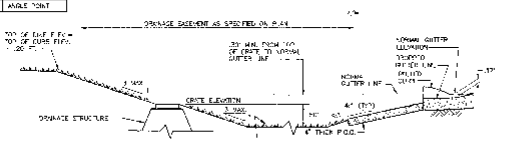
TYPICAL TYPE "R" CURB INLET 4
TYPE "R" CURB (NOT TO SCALE)



SECTION A



TYPE "B" CURB TO TYPE "R" TRANSITION 5



TYPICAL '208' POND
WITH DRAINAGE STRUCTURE
SECTIONAL VIEW
(NOT TO SCALE)

APPROVED FOR CONSTRUCTION
PERMIT REQUIRED!

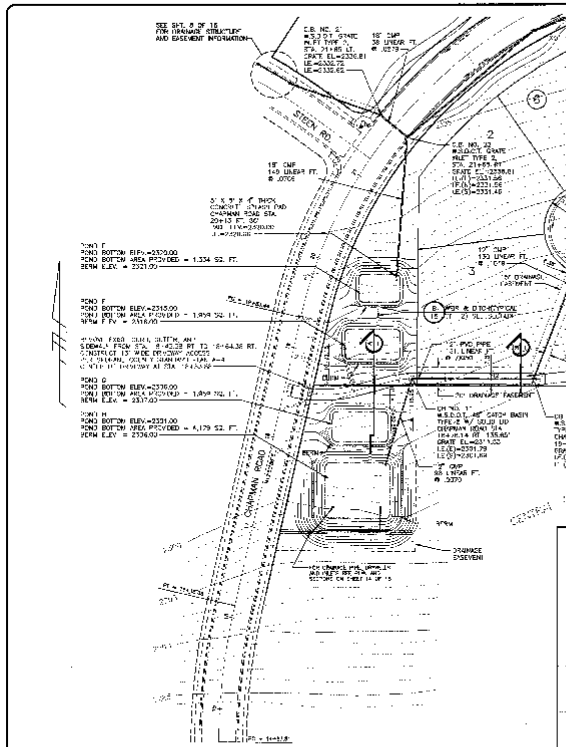
DEVELOPER'S APPROVAL

DATE

INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
DETAILS
P-1724A
STREET

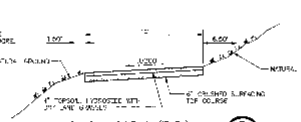
SHEET 12 OF 18
JOB NUMBER 94313



SEEDING NOTE:

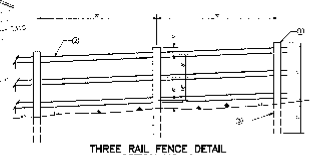
1. NOTE: PRIOR TO, DURING, AND AFTER EARTHWORK, DRAINAGE AND PAVEMENT CONSTRUCTION, SEED ALL CUT BANK SLOPES AND FILL EMBANKMENTS AND OTHER AREAS DISTURBED DURING CONSTRUCTION. SEED MIXTURE SHOULD BE STREAMBANK WHEATGRASS (SEDAR) 33.33%, TALL WHEATGRASS (ALKALI) 33.33% AND INTERMEDIATE WHEATGRASS (OREDAN). APPLICATION SHALL BE AT THE RATE OF 50 LBS. SEED MIXTURE PER ACRE AND SHALL INCLUDE A FERTILIZER MIX WHICH YIELDS 100 LBS./ACRE TOTAL NITROGEN, 45 N, 80 LBS./ACRE AVAILABLE PHOSPHORIC ACID, AND 80 LBS./ACRE SOLUBLE POTASH PLUS 1% SULFUR AND FERTILIZER MIXTURE SHALL BE APPLIED ON AS A MATCH OR BLANKET BY THE MANUFACTURER, AND WITH WOOD CELLULOSE FIBER APPLIED AT 1500 LBS./ACRE.
2. MAINTAIN THE PLANT COVER WITHIN 1.1 ZONE ROADS TO A MINIMUM OF 4 PLANTS PER SQUARE FOOT. NOTE: THIS MAY REQUIRE TEMPORARY IRRIGATION TO ESTABLISH PLANTS UNTIL THE PLANTS ARE WELL ESTABLISHED. SEEDING COULDN'T WILL NOT CONSIDER THE SEEDING TO BE COMPLETE UNTIL THE 4 PLANTS PER SQUARE FOOT REQUIREMENT IS MET OVER THE ENTIRE PONE AREA.

CALL BEFORE YOU DIG 456-8000

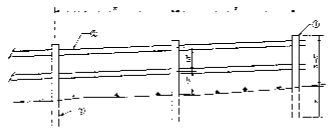


GRAVEL ACCESS (TYP.) B

N.T.S.



THREE RAIL FENCE DETAIL
OPTION NO. 1

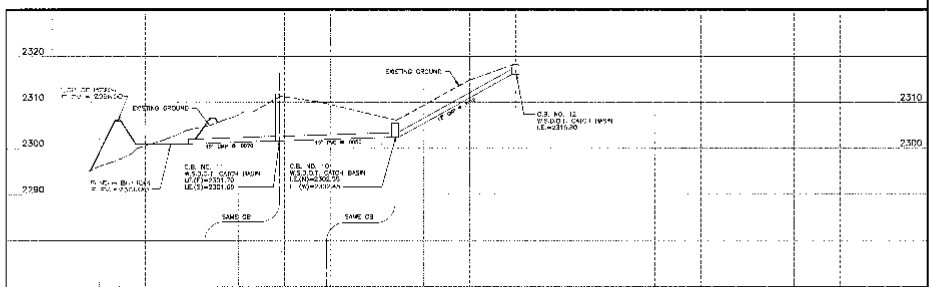


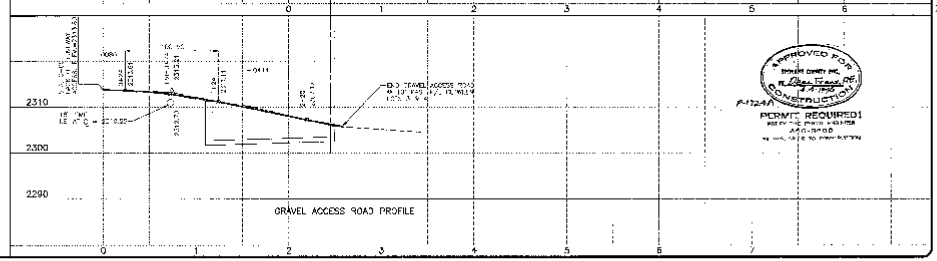
TWO RAIL FENCE DETAIL
OPTION NO. 2

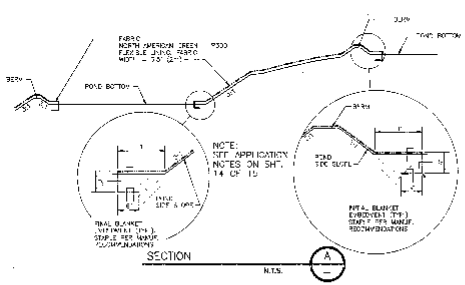
① 8" DIA POST WITH HOLES FOR RAILS.
② 6" DIA. POST WITH HOLES FOR RAILS.
③ 6" WOOD POST, CONTROL BOTTOM 36" OF POST SHALL BE COATED WITH ASPHALT EMULSION.

DEVELOPER'S APPROVAL

DATE







SECTION A

N.T.S.

APPROVED FOR CONSTRUCTION

P-1724A

PERMIT REQUIRED!

REVISIONS

SCALE: HORIZONTAL 1"=20' VERTICAL 1"=10'

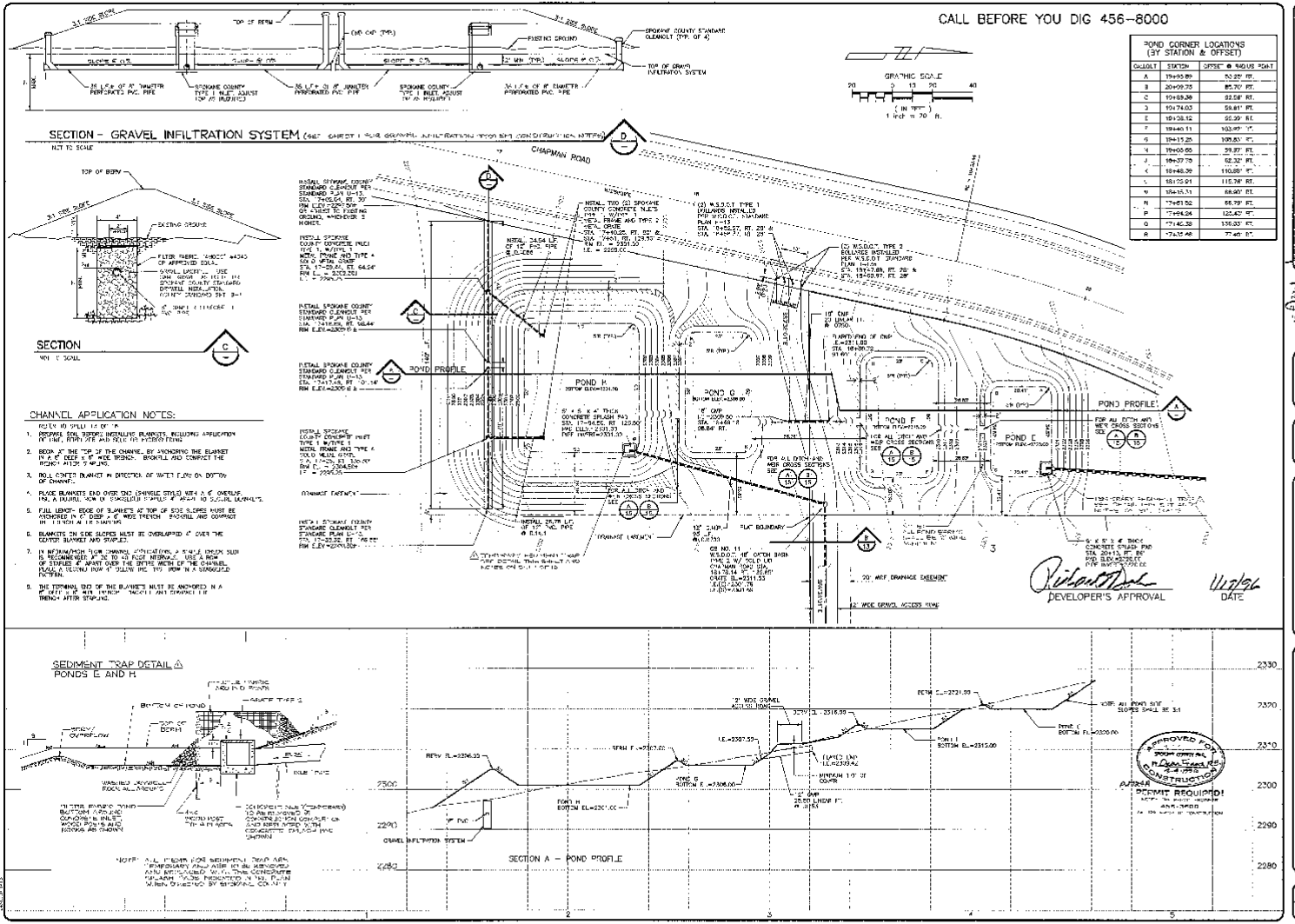
INLAND PACIFIC ENGINEERING

VIEWMONT AT MORNINGSIDE
DRAINAGE DETAIL
STREET

P-1724A

SHEET 13 of 16

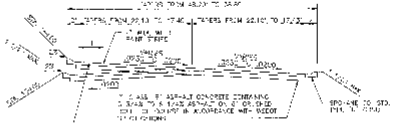
JOB NUMBER 94313



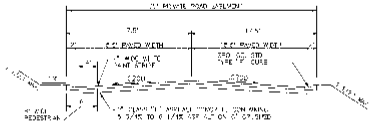
POND CORNER LOCATIONS (BY STATION & OFFSET)

CALLOUT	STATION	OFFSET @ 90.00 POINT
A	19+95.89	50.25' RT.
B	20+09.75	85.70' RT.
C	19+89.39	92.58' RT.
D	19+74.03	59.81' RT.
E	19+38.12	95.39' RT.
F	19+40.11	103.97' RT.
G	19+15.25	109.83' RT.
H	19+00.65	59.97' RT.
J	18+37.75	62.32' RT.
K	18+48.39	110.88' RT.
L	18+25.91	115.78' RT.
M	18+15.31	68.90' RT.
N	17+61.52	66.79' RT.
P	17+64.24	125.43' RT.
Q	17+46.38	136.33' RT.
R	17+35.46	77.45' RT.

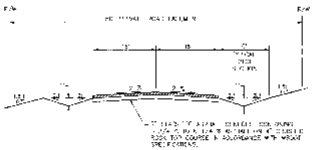
CALL BEFORE YOU DIG 456-8000



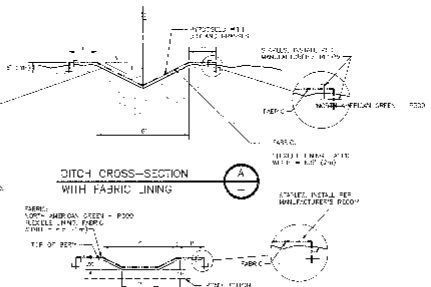
TYPICAL CROSS-SECTION
BROADMOORE LANE
TRANSITION FROM TYP. CROSS-SECTION TO SUPER
STA. 13+00 TO 14+00



TYPICAL CROSS-SECTION
BOULDER LANE
SUMMIT LANE
CRESTA LANE

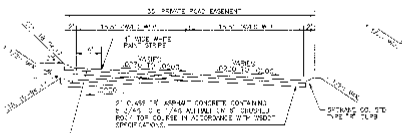


TYPICAL CROSS-SECTION
DAYBREAK LANE

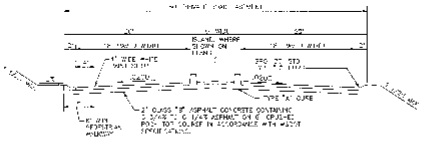


DITCH CROSS-SECTION WITH FABRIC LINING (A)

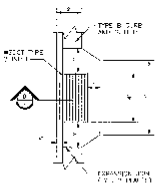
WEIR CROSS-SECTION (TYP.) (B)



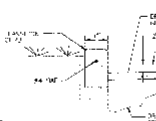
TYPICAL CROSS-SECTION
BROADMOORE LANE
TRANSITION FROM SUPER TO TYP. CROSS-SECTION
STA. 18+94.17 TO 19+04.17



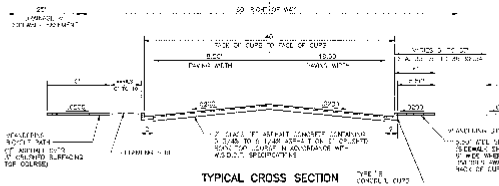
TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 10+47 TO 11+56



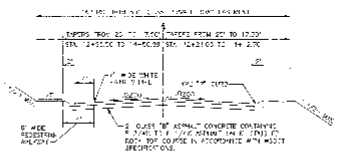
TYPE "B" CURB TRANSITION DETAIL (1)



SECTION (D)

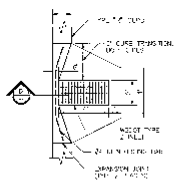


TYPICAL CROSS SECTION
O'AHMAN ROAD

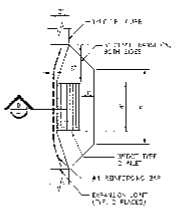


TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 11+56 TO 13+00

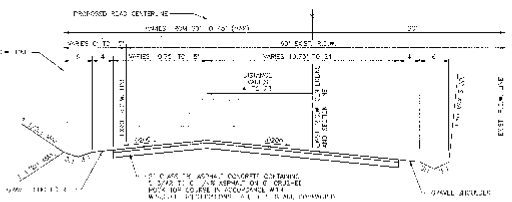
APPROVED FOR CONSTRUCTION
P-1724
PERMIT REQUIRED



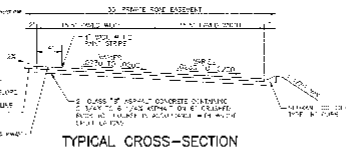
ROLLED CURB TRANSITION DETAIL (2)



ROLLED CURB TRANSITION DETAIL (3)



TYPICAL CROSS SECTION
32nd AVENUE



TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 14+00 TO 18+94.17

ACTIVE OPER'S APPROVAL

DATE

NO.	DATE	BY	REVISIONS

11/04/98
WORK ORDER
SURVEY BOOK
SECTION

SCALE:
HORIZONTAL N.S.
VERTICAL N.S.

INLAND PACIFIC ENGINEERING
(509) 926-0669
FAX: (509) 922-6584

VIEWMONT AT MORNINGSIDE
CROSS-SECTIONS
STREET

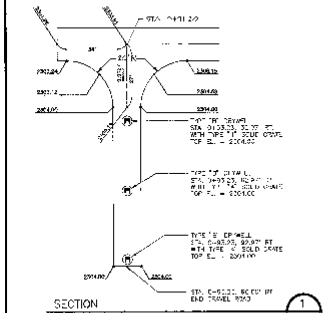
SHEET 15 OF 16
JOB NUMBER 94313

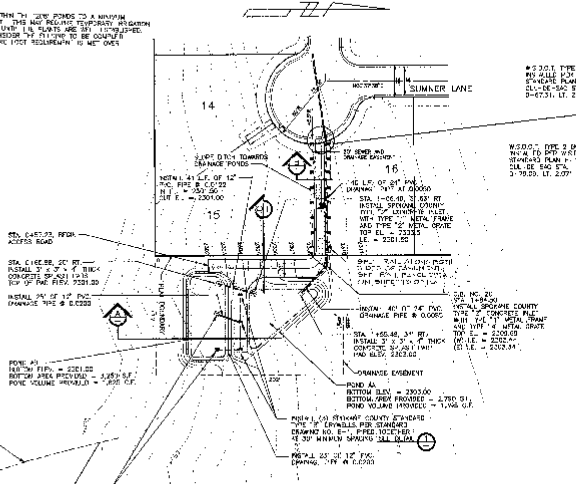
CALL BEFORE YOU DIG 456-8000

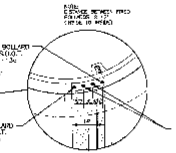
SEEDING NOTE:

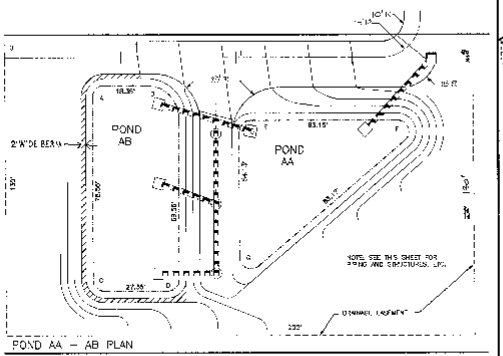
AFTER COMPLETION OF ALL CLEARING, GRUBBING, EXCAVATION AND UNDERGROUND CONSTRUCTION, RAKE ALL CUT EARTH SLOPES AND FILL EMBANKMENTS AND OTHER AREAS DISTURBED DURING CONSTRUCTION. SEED MIXTURE SHOULD BE STREAMBANK WHEATGRASS (SODAR) 20 LBS/ACRE, TALL WHEATGRASS (ALKAR) 20 LBS/ACRE AND INTERMEDIATE WHEATGRASS (OAHE) 4 LBS/ACRE. APPLICATION RATE IS AS FOLLOWS: IN AREAS WITH MORE THAN 20 INCHES ANNUAL PRECIPITATION, A TOTAL OF 100 PLS LBS/ACRE IS TO BE APPLIED. IN AREAS WITH 10 TO 20 INCHES ANNUAL PRECIPITATION, A TOTAL OF 150 PLS LBS/ACRE IS TO BE APPLIED. TOTAL NITROGEN AS N, 50 LBS/ACRE AVAILABLE AS PHOSPHORIC ACID, AND 50 LBS/ACRE SOLUBLE POTASH (K2O). WITH 75 AND 75 PERCENT MIXTURE (SAME PERCENTAGE OF EACH) WITH A TACKIFIER OF TERRA-TAC OR ACCEPTABLE EQUALS AT THE RATE RECOMMENDED BY THE MANUFACTURER, AND WITH WOOD CELLULOSE FIBER APPLIED AT 750 LBS/ACRE.

2. THROUGH THE PLANT COVER WITHIN THE POND BOTTOMS TO A MINIMUM OF 4 PLANTS PER SQUARE FOOT. THIS MAY REQUIRE TEMPORARY IRRIGATION SHOULD TO BE IN OPERATION UNTIL THE PLANTS ARE ESTABLISHED. SECONDARY SEEDING WILL NOT SUFFICE AS THE TIME TO BE COMPLETE. ALL THE 4 PLANTS PER SQUARE FOOT REQUIREMENT IS MET OVER THE ENTIRE POND AREA.





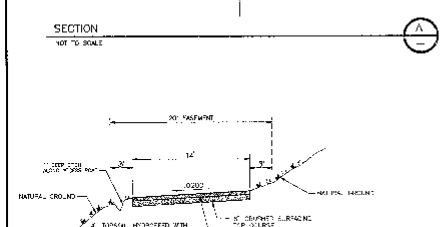




POND AA – AB PLAN

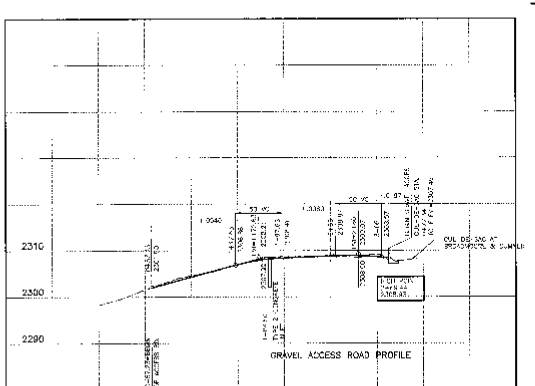
SCALE 1" = 20'

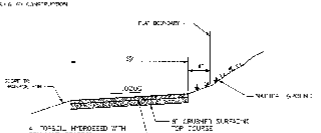
POND CORNER LOCATIONS (BY STATION & OFFSET)		
CALLOUT	STATION	OFFSET @ RADIUS POINT
A	0+42.00	7.00' RT.
B	0+61.23	29.00' RT.
C	0+42.98	85.50' RT.
D	0+70.71	85.50' RT.
E	1+06.23	30.00' RT.
F	1+63.39	31.00' RT.
G	1+06.23	86.50' RT.



GRAVEL ACCESS ROAD FROM BACK OF CURB TO PLAT BOUNDARY (B)

NOT TO SCALE





GRAVEL ACCESS ROAD FROM BACK OF CURB TO PLAT BOUNDARY (C)

NOT TO SCALE

APPROVED FOR CONSTRUCTION

P-17244

PERMIT REQUIRED!

DEVELOPER'S APPROVAL

DATE

INLAND PACIFIC ENGINEERING

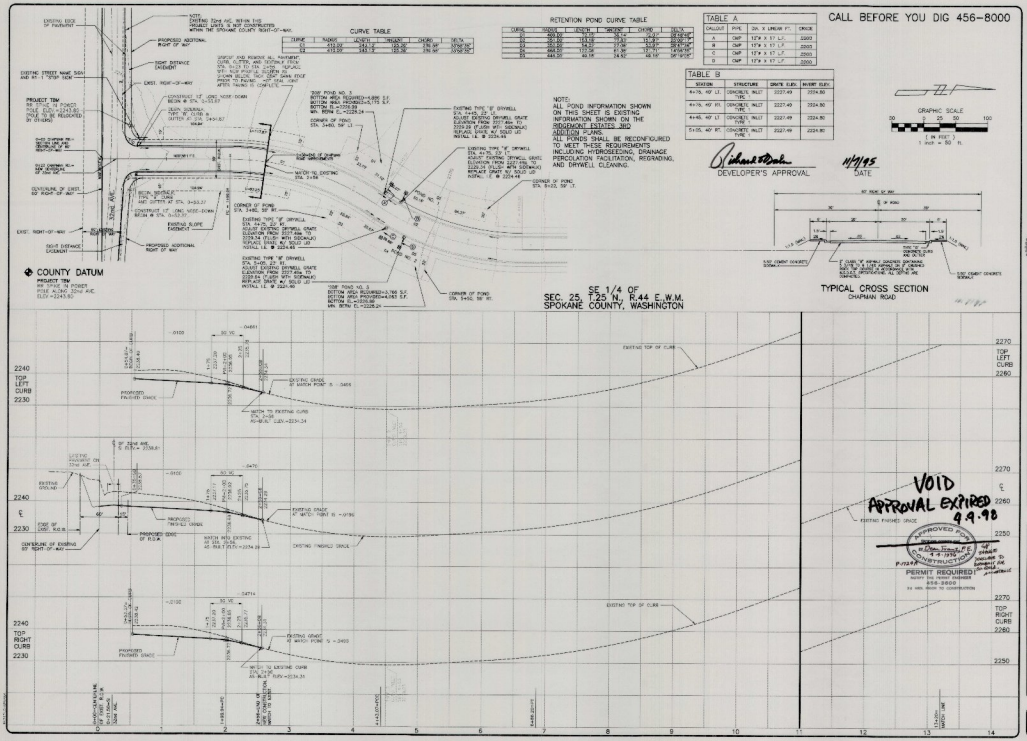
VIEWMONT AT MORNINGSIDE STREET

DRAINAGE DETAIL

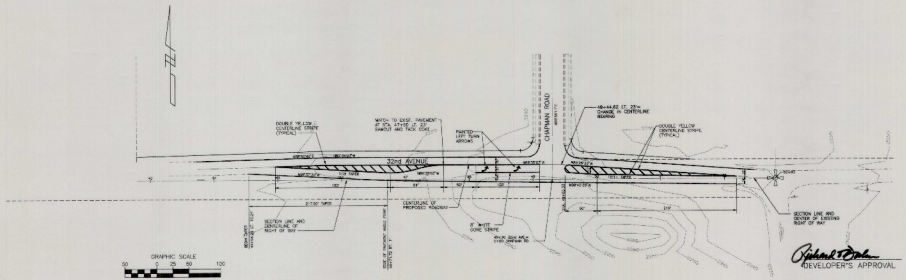
P-17244

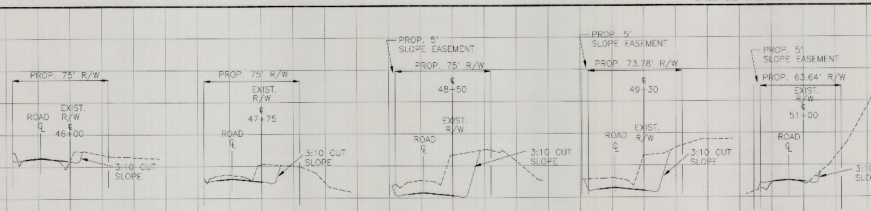
SHEET 16 OF 16

JOB NUMBER 94313



CURVE TABLE
RETENTION POND CURVE TABLE
CALL BEFORE YOU DIG 456-8000
TABLE A
TABLE B
GRAPHIC SCALE
1 IN. (FEET)
1 inch = 50 ft.
DEVELOPER'S APPROVAL
11/9/95
DATE
NOTE:
ALL POND INFORMATION SHOWN ON THIS SHEET IS EXISTING INFORMATION SHOWN ON THE RIDGEMONT ESTATES 3RD ADDITION PLANS.
ALL PONDS SHALL BE RECONFIGURED TO MEET THESE REQUIREMENTS INCLUDING HYDROSEEDING, DRAINAGE PERCOLATION FACILITATION, REGRADING, AND DRYWELL CLEANING.
COUNTY DATUM
PROJECT TBM
TOP LEFT CURB
POST AT PROJECT CORNER
ELEV.=2243.92
SE 1/4 OF
SEC. 25, T.25 N., R.44 E.W.M.
SPOKANE COUNTY, WASHINGTON
TYPICAL CROSS SECTION
CHAPMAN ROAD
VOID
APPROVAL EXPIRED
9.9.98
APPROVED FOR CONSTRUCTION
PERMIT REQUIRED
456-8000
INLAND PACIFIC ENGINEERING
VIEWMONT AT MORNINGSIDE
CHAPMAN ROAD
STA. 0+00 TO 2+56
P-1724A
SHEET 10 OF 16
94313





VOID
APPROVAL EXPIRED 9-9-98

APPROVED FOR CONSTRUCTION
W. Gene Temple
SEP 4 1998
CONSTRUCTION
P-1724
PERMIT REQUIRED!
NOTIFY CONSTRUCTION INSPECTOR
456-2800
24 HRS. PRIOR TO CONSTRUCTION
OK

1	11/4/98		
0	11/1/98		
REVISIONS			

DESIGNED JAC
DRAWN JAC
CHECKED TBW P.E.
DATE 1998

SCALE: 1" = 50' HORIZ. 1" = 10' VERT.

INLAND PACIFIC ENGINEERING
P.O. Box 1000
Colfax, WA 99111
Ph: (509) 397-3441
Fax: (509) 397-3442

VERMONT AT MORNINGSIDE
32nd AVENUE CHANNELIZATION

STREET

P-1724A

SHEET 1.1 OF 16

JOB NUMBER 94313

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C11	20.00'	31.38'	19.97'	28.42'	89°48'58"
C12	20.00'	30.84'	19.67'	27.78'	88°29'32"

INDICATES EXISTING CURB, GUTTER, AND SIDEWALK TO BE REMOVED

INDICATES EXISTING PAVEMENT TO BE REMOVED

INDICATES LIMITS OF NEW PAVEMENT

CHANNEL ROAD

32nd AVENUE

CORNER OF PROPOSED RIGHT OF WAY STA. 42+82 LT. 27'

PROPOSED RIGHT-OF-WAY REMAINS STA. 42+80 L. 30'

EXISTING RIGHT OF WAY

MATCH EDGE OF NEW PAVEMENT TO EXISTING AT STA. 43+13 LT. 29.47'

EXISTING WILLOWS

SHIMMS IN EDGE OF PAVEMENT TO EXISTING AT STA. 43+74 LT. 30'

MATCH NEW DITCH TO EXISTING DITCH

EXIST. RIGHT OF WAY

EDGE OF EXIST. PAVEMENT

MATCH EDGE OF NEW PAVEMENT TO EXISTING

MATCH NEW DITCH TO EXISTING DITCH

SECTION LINE AND CENTERLINE OF RIGHT OF WAY

EXISTING POWER POLE TO BE RELOCATED BY OTHERS

MATCH TO EXIST. PAVEMENT AT STA. 45+38.13 LT. 13' MARKED AND TACK SAWCUT

EXISTING TELEPHONE RISER TO BE RELOCATED

EXISTING POWER POLE TO BE RELOCATED BY OTHERS

BEGIN T-BAR STA. 47+00 OFFSET 15' RT.

EXISTING EDGE OF PAVEMENT

CENTERLINE 32' PROPOSED PAVEMENT

WIDENING VARIES FROM 0' TO 18'

EXISTING RIGHT OF WAY

EXISTING TELEPHONE RISER TO BE RELOCATED

PROPOSED EDGE OF PAVEMENT

MATCH SCHEDULE OF PROPERTY ENGINEER'S EXISTING AT STA. 51+00.58 SAWCUT AND TACK SAWCUT

EXISTING RIGHT OF WAY

48+44.82 LT. 32'± CHANGE IN CENTERLINE BORING

MATCH NEW DITCH TO EXISTING

PROPOSED

END OF SLOPE EDGE STA. 3+50

MATCH EDGE OF NEW PAVEMENT TO EXISTING AT STA. 53+46.19 LT. 13.21'

MATCH EDGE OF NEW PAVEMENT TO EXISTING AT STA. 53+46.19 LT. 31'

MATCH NEW DITCH TO EXISTING

EXISTING POWER POLE

EXISTING EDGE OF PAVEMENT

SECTION LINE AND CENTERLINE OF EXISTING RIGHT OF WAY

MATCH NEW DITCH TO EXISTING

MATCH EDGE OF NEW PAVEMENT TO EXISTING AT STA. 54+16.71 LT. 0.47'

COUNTY DATUM

PROJECT TBM

POLE ELECTRIC TOWER

SOUTH SIDE 32nd AVE

ELEV.=2410.00

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)

1 inch = 50 ft.

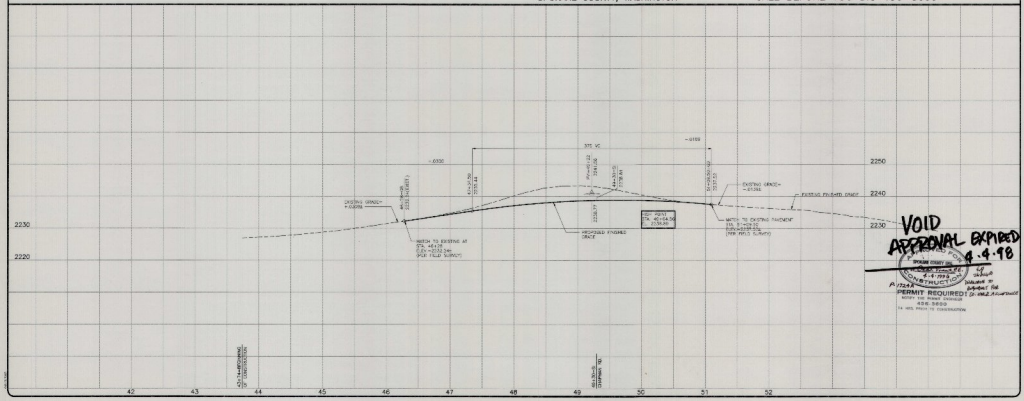
SE 1/4 OF
SEC. 25, T.25 N., R.44 E.W.M.
SPOKANE COUNTY, WASHINGTON

CALL BEFORE YOU DIG 456-8000

DEVELOPER'S APPROVAL

11/7/95

DATE



VOID
APPROVAL EXPIRED
4-4-98

SPOKANE COUNTY ENGINEERS
4-4-1998
CONSTRUCTION
P-17244

PERMIT REQUIRED!
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
TO BE SIGNED PRIOR TO CONSTRUCTION

VIEWMONT AT MORNINGSIDE
32nd AVENUE STREET

P-17244

SHEET 8 OF 16

JOB NUMBER 94313

SCALE 1"=50'
VERT. N/A
DATE 11-6-95

INLAND PACIFIC ENGINEERING
E. 1212 SPRAGUE AVE.
SPOKANE, WA 99202
(509) 535-1865

REVISIONS	BY