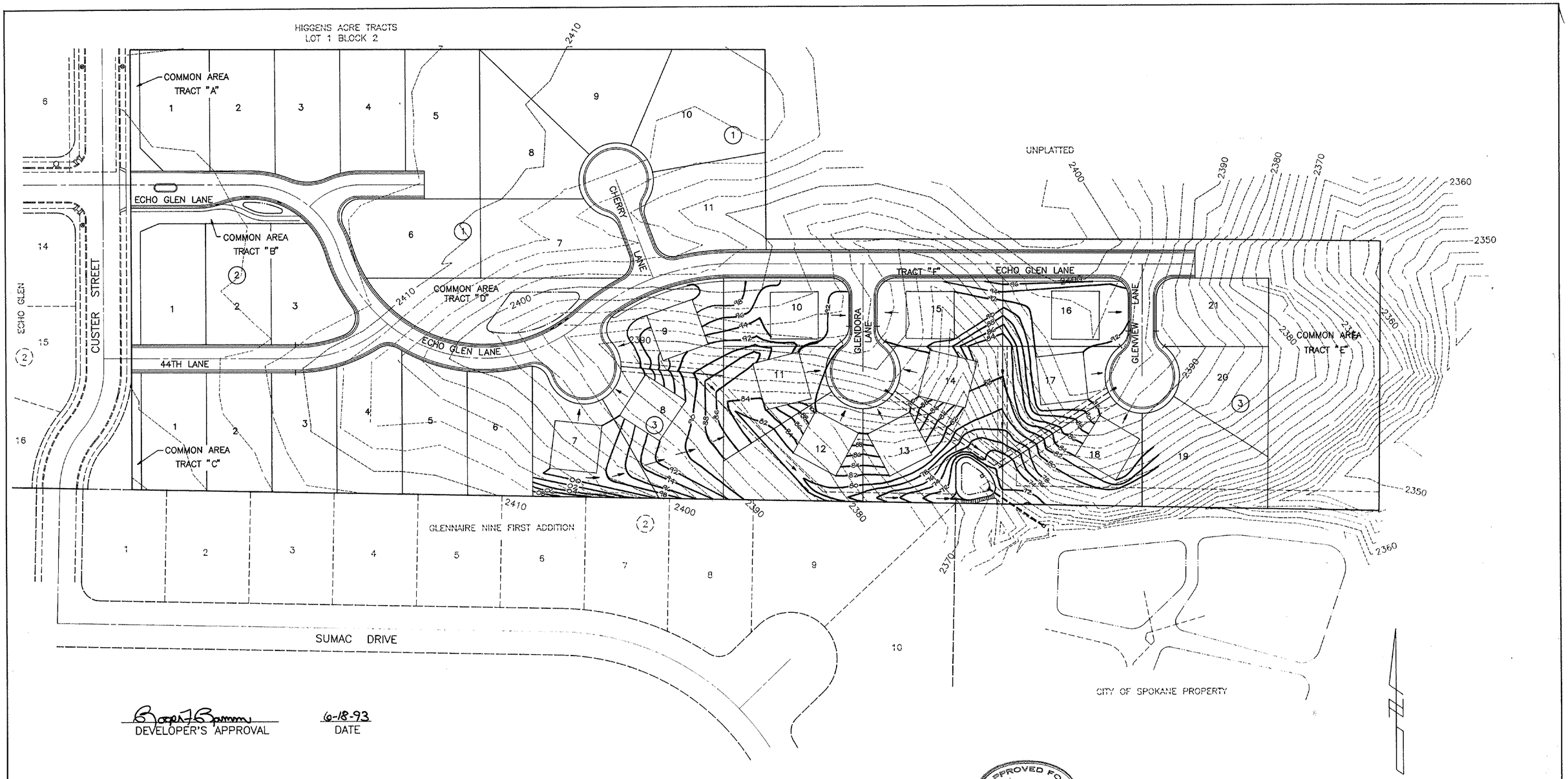


DEVELOPER'S APPROVAL

6-18-93
DATE

APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY
7.7.93
PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION

STEVEN P. SOLTYS
STATE OF WASHINGTON
29883
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 1-10-94

GRADING PLAN
FOR
ECHO GLEN P.U.D.
LOTS 7 THROUGH 18, BLOCK 3

INLAND PACIFIC ENGINEERING
South 25 Altamont Spokane, Washington
(509) 535-1410 99202

SHEET 1 OF 1

LP1658-GRAD-1.TIF

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	100.00'	69.83'	36.41'	68.42'	40°00'32"
C2	75.00'	60.91'	32.25'	59.25'	46°32'01"
C3	100.00'	57.68'	29.67'	56.88'	33°02'55"
C4	162.59'	95.63'	49.24'	94.26'	33°41'59"
C5	162.59'	202.48'	116.73'	189.64'	71°20'58"
C6	162.59'	27.29'	13.68'	27.26'	09°36'57"
C7	240.00'	87.09'	44.03'	86.61'	20°47'26"
C8	240.00'	87.20'	44.09'	86.72'	20°49'02"
* C10	50.00'	40.55'	21.46'	39.45'	46°28'01"
* C11	20.00'	40.42'	31.89'	33.89'	115°48'32"
* C12	20.00'	36.28'	25.57'	31.51'	103°56'35"
* C13	20.00'	22.48'	12.59'	21.31'	64°23'16"
* C14	20.00'	31.01'	19.60'	28.00'	88°50'51"
* C15	20.00'	34.40'	23.23'	30.31'	98°32'41"
* C16	20.00'	28.96'	17.68'	26.50'	82°57'52"
* C17	20.00'	31.42'	20.00'	28.28'	90°00'00"
* C18	20.00'	31.42'	20.00'	28.28'	90°00'00"

* CURVE INFORMATION REFERS TO BACK OF CURB

NOTE:
ANY CONFLICTING UTILITIES SHALL BE RELOACTED PRIOR TO CONSTRUCTION

CITY DATUM
BRASS CAP AT NE CORNER
36th AND MYRTLE
ELEVATION=2294.34

SEC. 35, T.25 N., R.43 E.,W.M.

APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY 7-7-93
PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION

DEVELOPER'S APPROVAL

6-18-93
DATE

CALL BEFORE YOU DIG 456-8000

STATION	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00
LEFT CURB	2413.49	N/A	2412.49	2411.23	2408.32	2404.56	2400.83	2398.06	2396.70	2396.75	N/A	N/A	2399.53	2397.61	2394.42	2393.10	2392.53	2392.63	2394.72	2397.31	2398.38	2397.28	2394.06
C/L	2413.49	2412.99	2412.49	2411.18	2408.23	2404.47	2400.74	2397.97	2396.61	2396.66	2398.13	2399.82	2399.32	2396.59	2393.85	N/A	2392.63	2394.15	2396.74	2397.81	2396.71	2393.49	N/A
RIGHT CURB	2413.49	2412.99	2412.49	2411.47	N/A	2405.04	2401.31	2398.54	2397.18	2397.23	2398.70	2400.39	2399.77	2396.80	2393.94	N/A	2392.72	2394.24	2396.83	2397.90	2396.80	N/A	2388.63

STATION	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00
LEFT CURB	2413.49	N/A	2412.49	2411.23	2408.32	2404.56	2400.83	2398.06	2396.70	2396.75	N/A	N/A	2399.53	2397.61	2394.42	2393.10	2392.53	2392.63	2394.72	2397.31	2398.38	2397.28	2394.06
C/L	2413.49	2412.99	2412.49	2411.18	2408.23	2404.47	2400.74	2397.97	2396.61	2396.66	2398.13	2399.82	2399.32	2396.59	2393.85	N/A	2392.63	2394.15	2396.74	2397.81	2396.71	2393.49	N/A
RIGHT CURB	2413.49	2412.99	2412.49	2411.47	N/A	2405.04	2401.31	2398.54	2397.18	2397.23	2398.70	2400.39	2399.77	2396.80	2393.94	N/A	2392.72	2394.24	2396.83	2397.90	2396.80	N/A	2388.63

INLAND PACIFIC ENGINEERING
South 25 Altamont Spokane, Washington 99202
(509) 535-1410

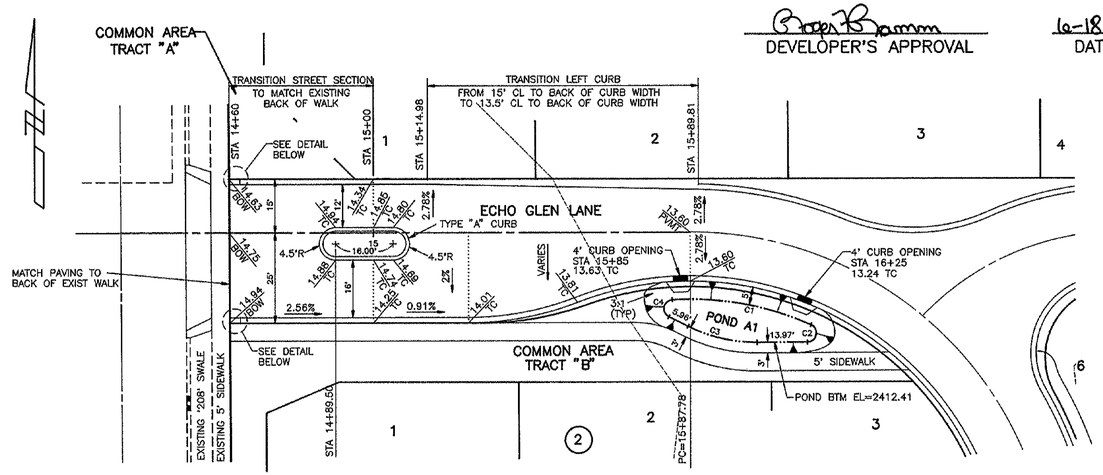
SCALE: HORIZONTAL 1"=50' VERTICAL 1"=10'
DATE 6/18/93 DWN. MWK CHK. SPS APP. SPS
REVISIONS: NO. DATE BY

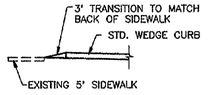
ECHO GLEN ESTATES P.U.D.
ECHO GLEN LANE
STREET

SHEET 1 OF 4
JOB NUMBER 92047

L.P1658-PP-1.TIF

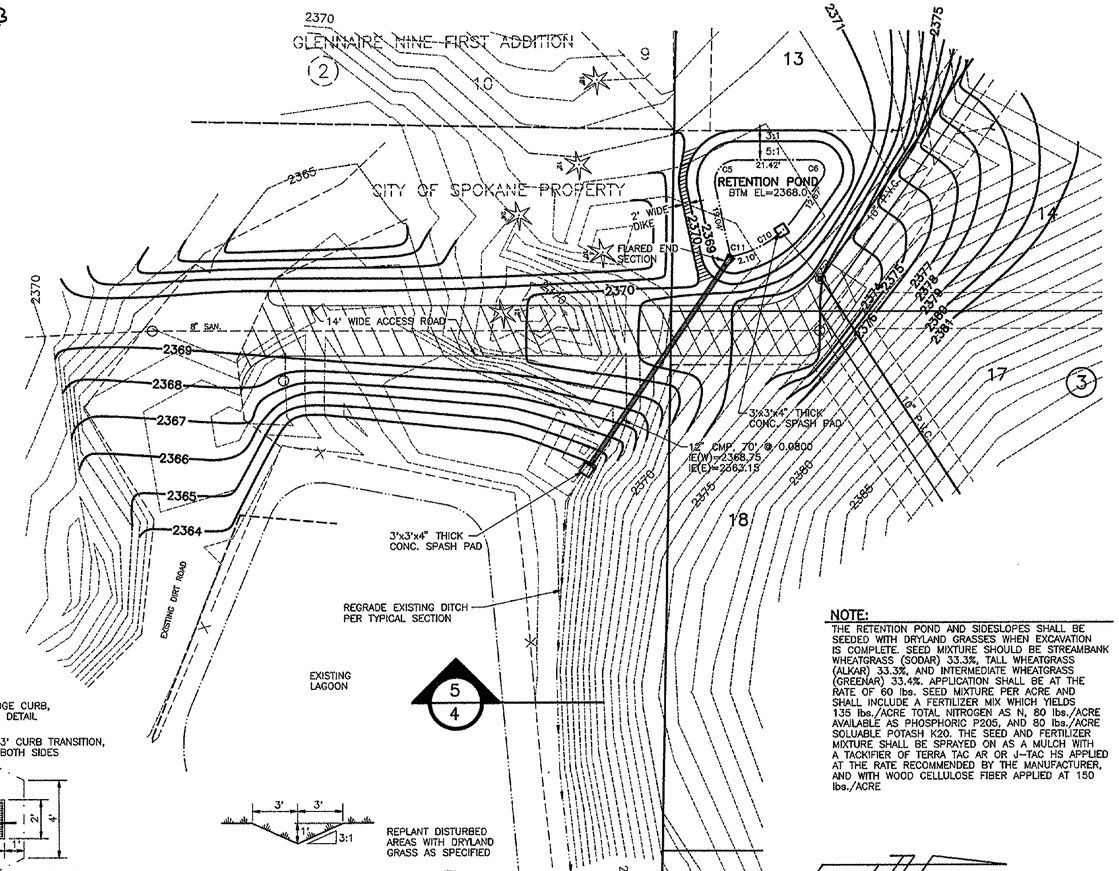
Roger Bamm — DEVELOPER'S APPROVAL — 6-18-93 DATE





ENTRANCE DETAIL / POND A1 — 1/4

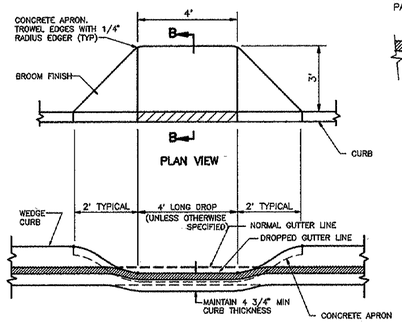
SCALE: 1"=20'



NOTE:
THE RETENTION POND AND SIDESLOPES SHALL BE SEEDED WITH DRYLAND GRASSES WHEN EXCAVATION IS COMPLETE. SEED MIXTURE SHOULD BE STREAMBANK WHEATGRASS (SODAR) 33.3%, TALL WHEATGRASS (ALKAR) 33.3%, AND INTERMEDIATE WHEATGRASS (GREENAR) 33.4%. APPLICATION SHALL BE AT THE RATE OF 60 lbs. SEED MIXTURE PER ACRE AND SHALL INCLUDE A FERTILIZER MIX WHICH YIELDS 135 lbs./ACRE TOTAL NITROGEN AS N, 80 lbs./ACRE AVAILABLE AS PHOSPHORIC P205, AND 80 lbs./ACRE SOLUABLE POTASH K20. THE SEED AND FERTILIZER MIXTURE SHALL BE SPRAYED ON AS A MULCH WITH A TACKIFIER OF TERRA TAC AR OR J-TAC HS APPLIED AT THE RATE RECOMMENDED BY THE MANUFACTURER, AND WITH WOOD CELLULOSE FIBER APPLIED AT 150 lbs./ACRE

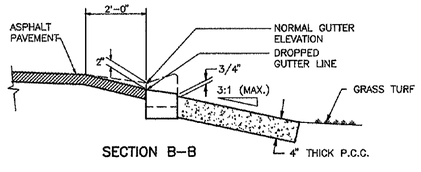
TRANSITION DETAIL

N.T.S.

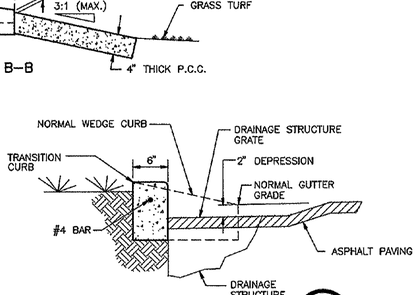


TYPICAL CURB INLET

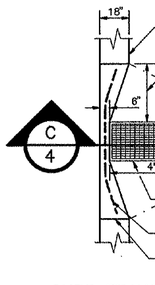
(NOT TO SCALE)



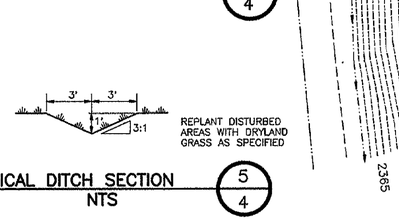
SECTION B–B



SECTION — NTS — C/4



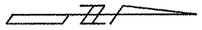
CURB TRANSITION DETAIL — NTS — 3/4



TYPICAL DITCH SECTION — NTS — 5/4

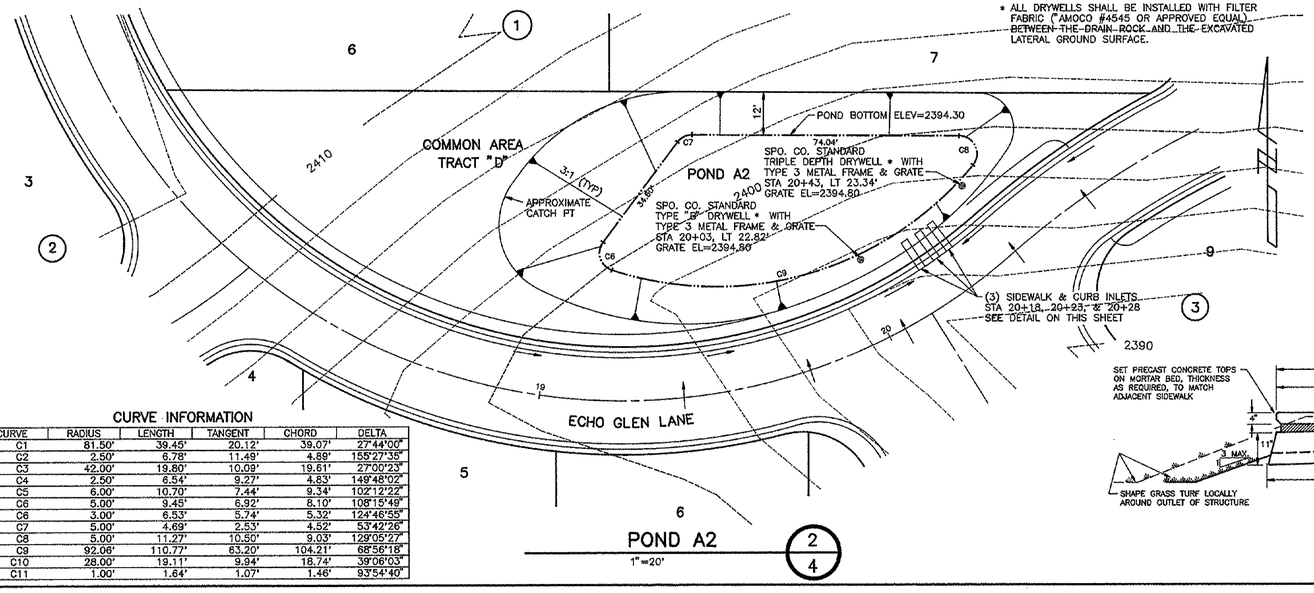
RETENTION POND / ACCESS ROAD — 4/4

SCALE 1"=20'



APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY [signature]
7-7-93

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



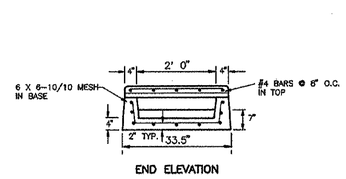
* ALL DRYWELLS SHALL BE INSTALLED WITH FILTER FABRIC ("AMOCO #4545 OR APPROVED EQUAL) BETWEEN THE DRAIN ROCK AND THE EXCAVATED LATERAL GROUND SURFACE.

CURVE INFORMATION

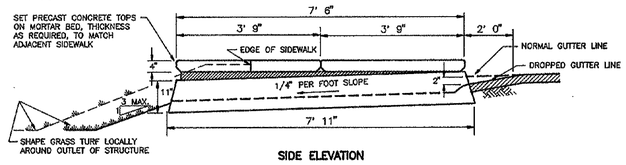
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	81.50'	39.45'	20.12'	39.07'	27°44'00"
C2	2.50'	6.78'	11.49'	4.89'	155°27'35"
C3	42.00'	19.80'	10.09'	19.61'	27°00'23"
C4	2.50'	6.54'	9.27'	4.83'	149°48'02"
C5	6.00'	10.70'	7.44'	9.34'	102°12'22"
C6	5.00'	9.45'	6.92'	8.10'	108°15'49"
C6	3.00'	6.53'	5.74'	5.32'	124°46'55"
C7	5.00'	4.69'	2.53'	4.52'	53°42'26"
C8	5.00'	11.27'	10.50'	9.03'	129°05'27"
C9	92.06'	110.77'	63.20'	104.21'	68°56'18"
C10	28.00'	19.11'	9.94'	18.74'	39°06'03"
C11	1.00'	1.64'	1.07'	1.46'	93°54'40"

POND A2 — 2/4

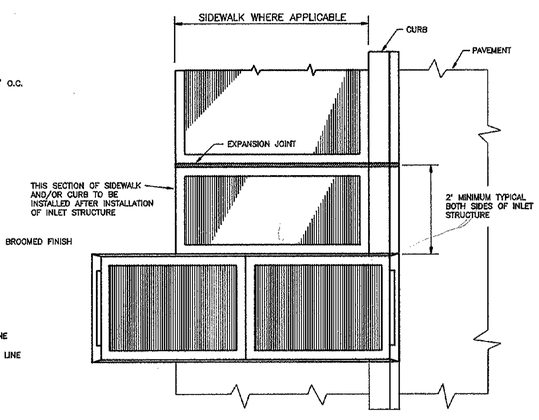
1"=20'



END ELEVATION



SIDE ELEVATION



PLAN VIEW

SIDEWALK & CURB INLET

SCALE	HORIZONTAL 1"=20'	VERTICAL 1"=20'
DATE	6/18/93	
DWN.	MWK	
CHK.	SPS	
APP.	SPS	

NO.	DATE	BY

REVISIONS

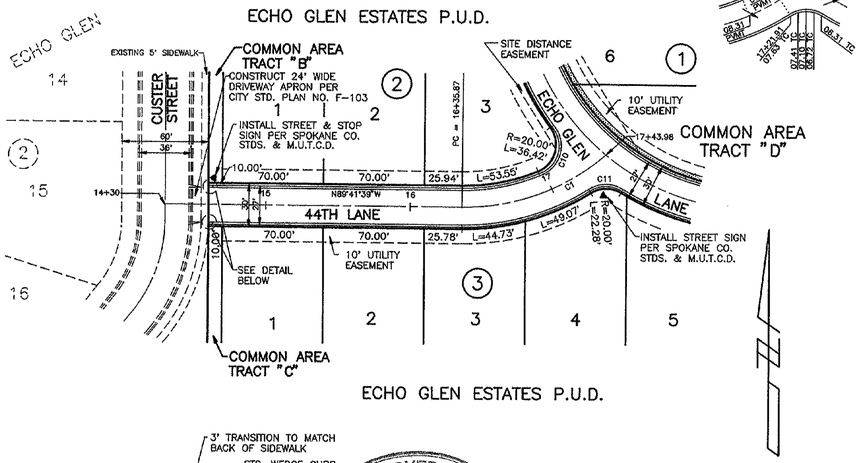
INLAND PACIFIC ENGINEERING
South 25 Altamont Spokane, Washington 99202
(509) 535-1410

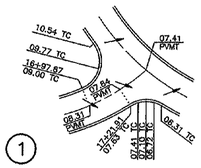
STREET

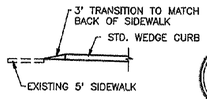
ECHO GLEN P.U.D.
STREET DETAIL SHEET

SHEET 4 OF 4
JOB NUMBER 92047

LP1658-0792L-1.TIF





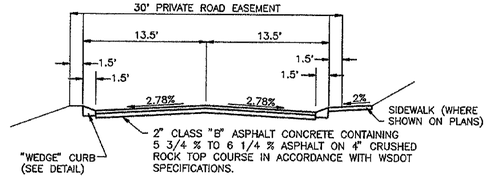


TRANSITION DETAIL
N.T.S.

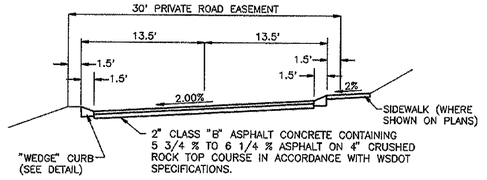
APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY 7-7-93

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

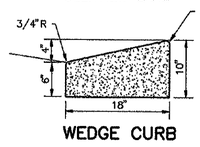
CITY DATUM
BRASS CAP AT NE CORNER
36th AND MYRTLE
ELEVATION=2294.34



TYPICAL CROSS-SECTION
44TH LANE
CHERRY LANE
ECHO GLEN LANE (STA 15+89.91 TO STA 17+25)



TYPICAL CROSS-SECTION
ECHO GLEN LANE (STA 17+75 TO 21+75 & STA 22+75 TO 27+11.36)
GLENDORA LANE
GLENVIEW LANE

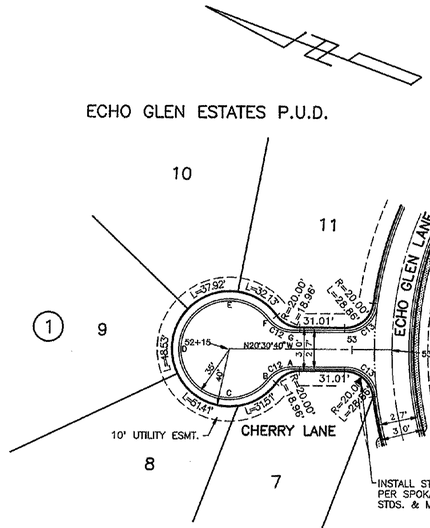


WEDGE CURB

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	150.00'	108.11'	56.53'	105.79'	41°17'48"
* C10	20.00'	36.28'	25.57'	31.51'	103°56'35"
* C11	20.00'	22.48'	12.89'	21.31'	64°23'16"
* C12	20.00'	18.39'	9.86'	17.68'	52°28'34"
* C13	20.00'	28.96'	17.68'	26.50'	82°57'52"

* CURVE INFORMATION REFERS TO BACK OF CURB

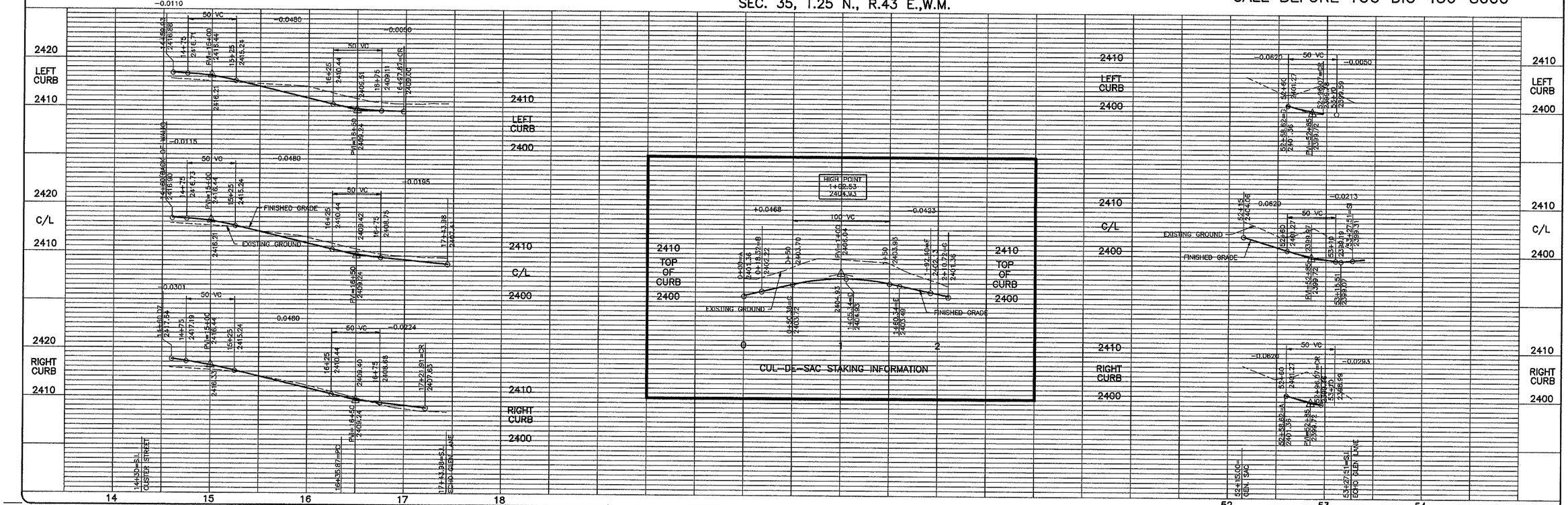


DEVELOPER'S APPROVAL

6-18-93
DATE

CALL BEFORE YOU DIG 456-8000

SEC. 35, T.25 N., R.43 E.,W.M.



LP1658-P9-2.TIF

INLAND PACIFIC ENGINEERING
South 25 Altamont Spokane,Washington 99202
(509) 535-1410

ECHO GLEN ESTATES P.U.D.
44TH LANE
CHERRY LANE
STREET

NO.	DATE	BY

REVISIONS

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

DATE 6/18/93
DWN. MWK
CHK. SPS
APP. SPS

SHEET 2 OF 4
JOB NUMBER 92047

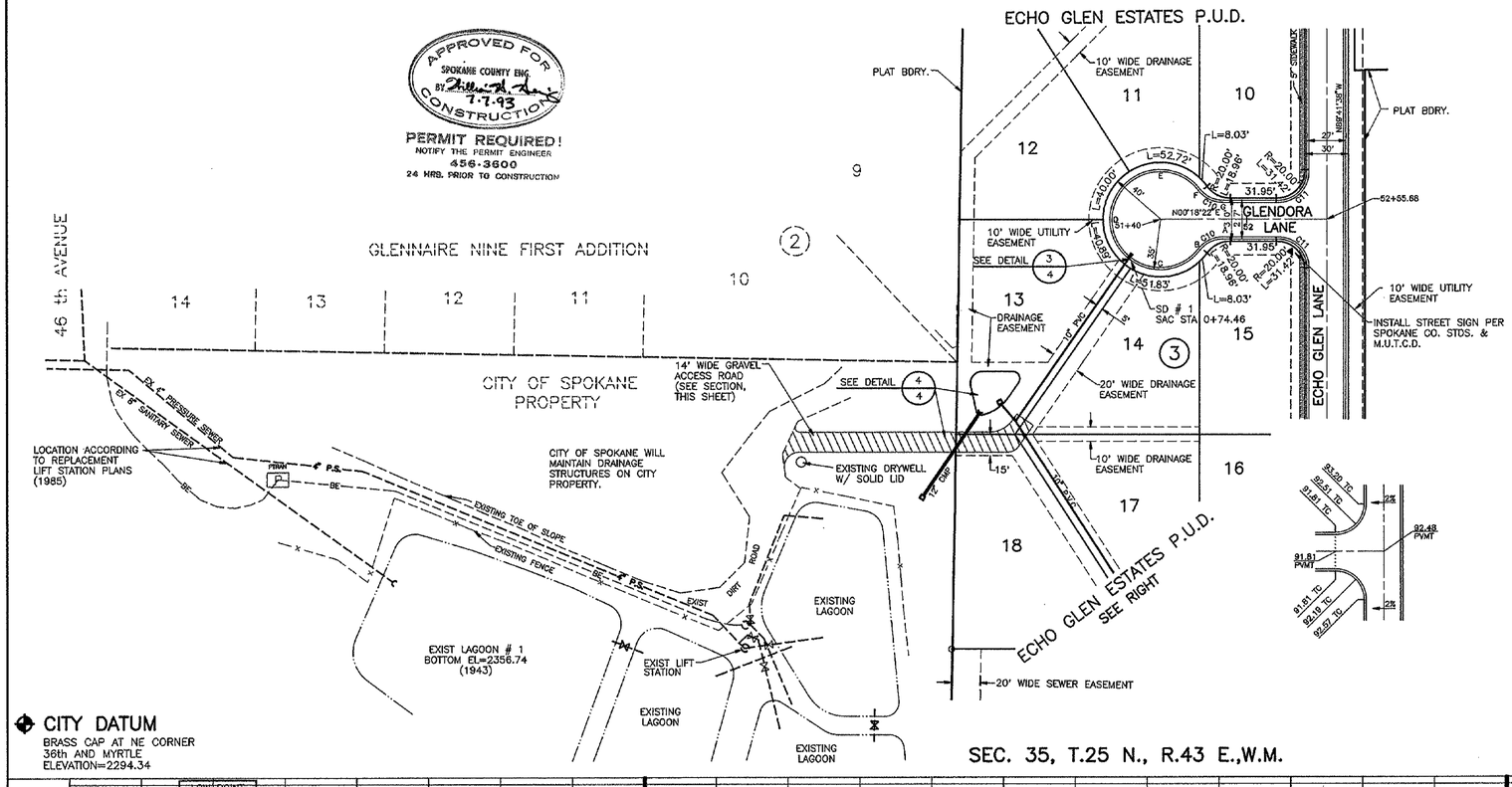
APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG
BY 7-7-93

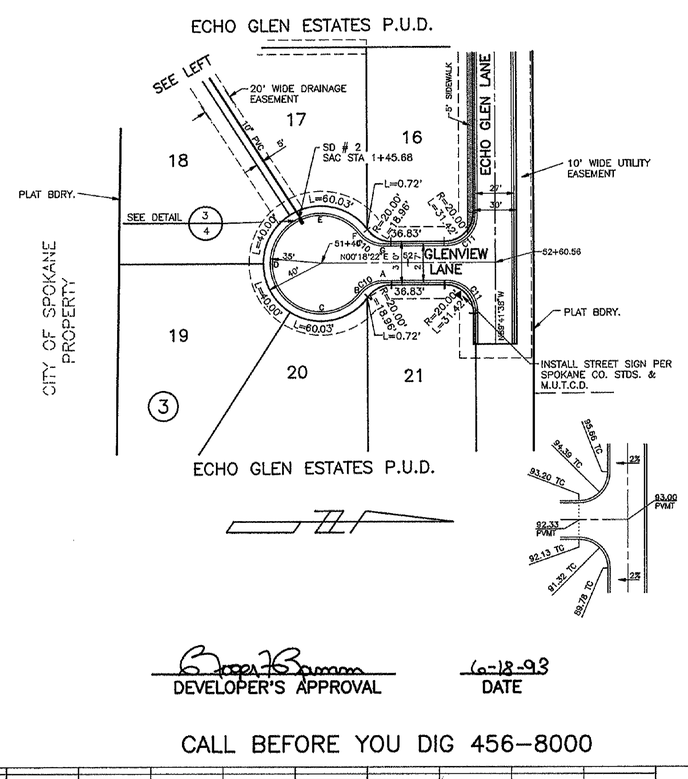
PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
* C10	20.00'	18.32'	9.86'	17.68'	52°28'34"
* C11	20.00'	31.42'	20.00'	28.28'	90°00'00"

* CURVE INFORMATION REFERS TO BACK OF CURB





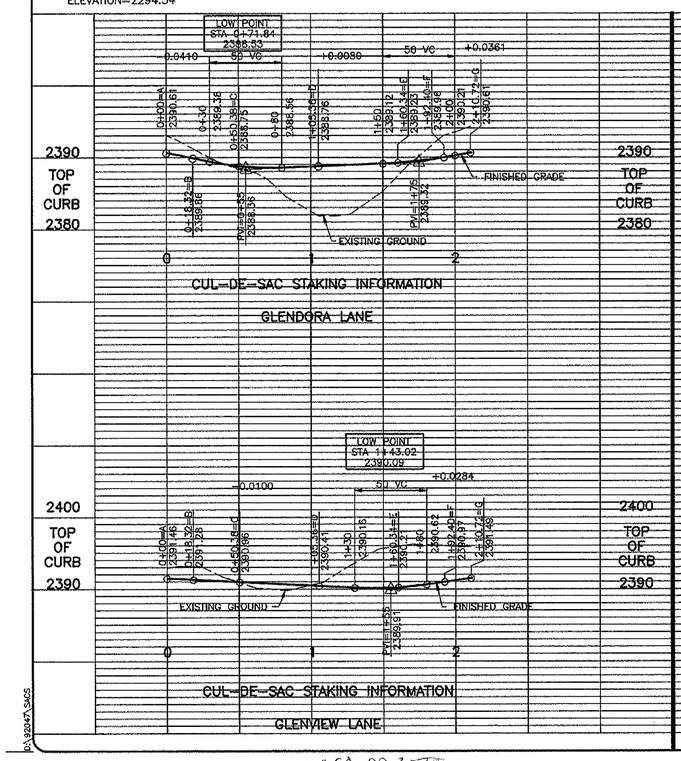
DEVELOPER'S APPROVAL

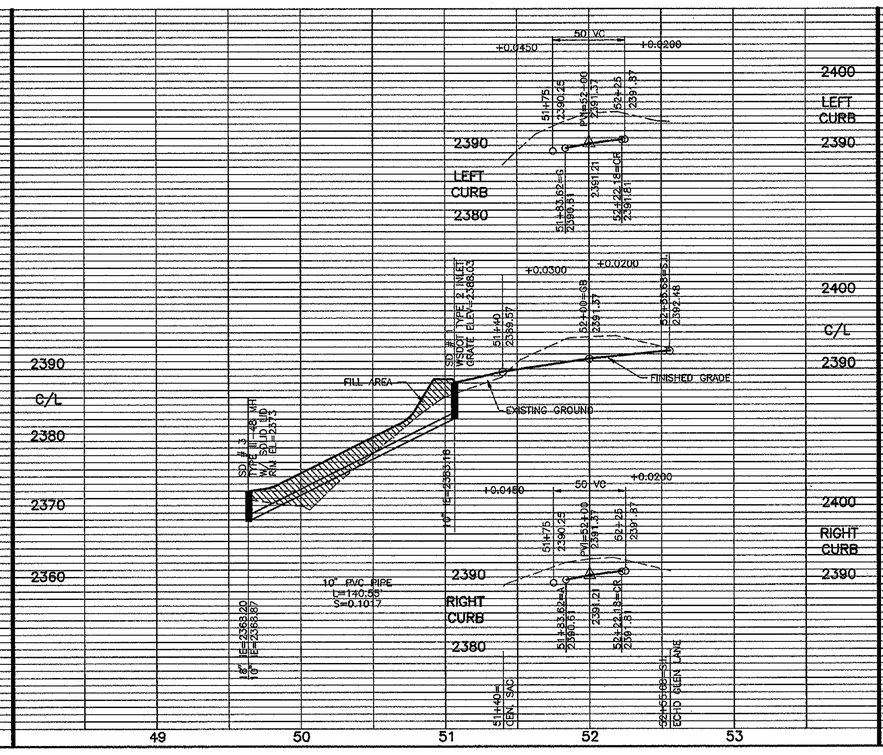
6-18-93
DATE

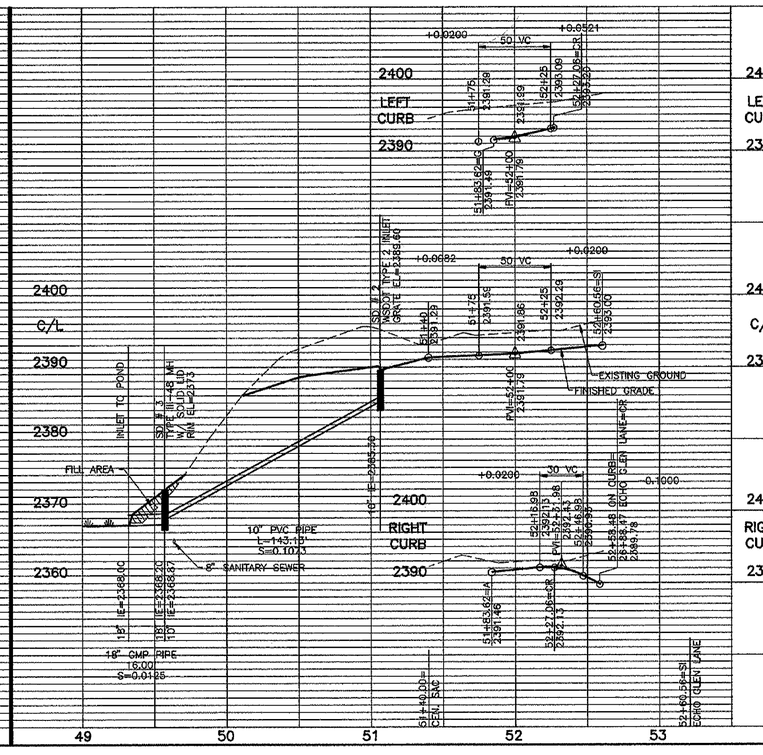
SEC. 35, T.25 N., R.43 E.,W.M.

CALL BEFORE YOU DIG 456-8000

CITY DATUM
BRASS CAP AT NE CORNER
36th AND MYRTLE
ELEVATION=2294.34







INLAND PACIFIC ENGINEERING
South 25 Altamont Spokane,Washington 99202
(509) 535-1410

ECHO GLEN ESTATES P.U.D.
GLENDORA LANE
GLENVIEW LANE
STREET

SHEET 3 OF 4
JOB NUMBER 92047

SCALE HORIZONTAL 1"=50' VERTICAL 1"=10'
DATE 6/16/93 DWN. MWK CHK. SPS APP. SPS
REVISIONS NO. DATE BY

LP1658-PP-3.TIFF