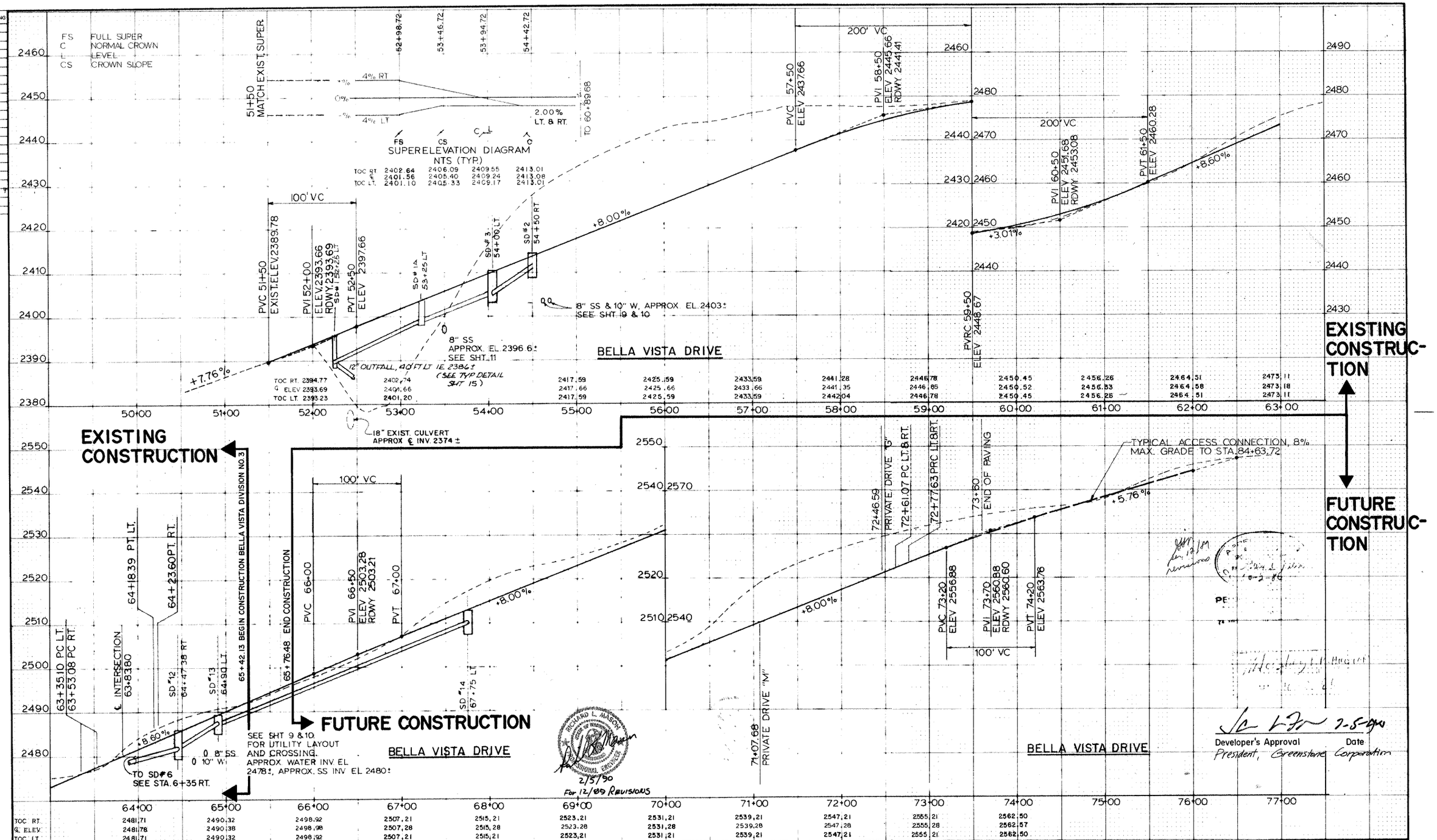


No.	Date	By	Ckd.	Appr.	Revision
6	12-89	BWC			BELLA VISTA DIVISION NO. 3
5	9-86	LSK			COUNTY REVIEW
4	9-86	LSK			ADD STRUCTURE 1A & CONNECT SD 3 TO SD 1
3	9-86	STV			REVISED PER SPOKANE COUNTY REVIEW
1	9-85	GLR			REVISED PER SPOKANE COUNTY REVIEW

JOHN T. BANNON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

LEONARD KONG, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

Approved By:

Drawn By: Beckman 6-1-85
Designed By: LSK 6-1-85
Checked By: RB Hamilton 7-15-85
Approved By:

ENTRANCO Engineers
ENVIRONMENTAL AND TRANSPORTATION CONSULTANTS
BELLEVUE WASHINGTON

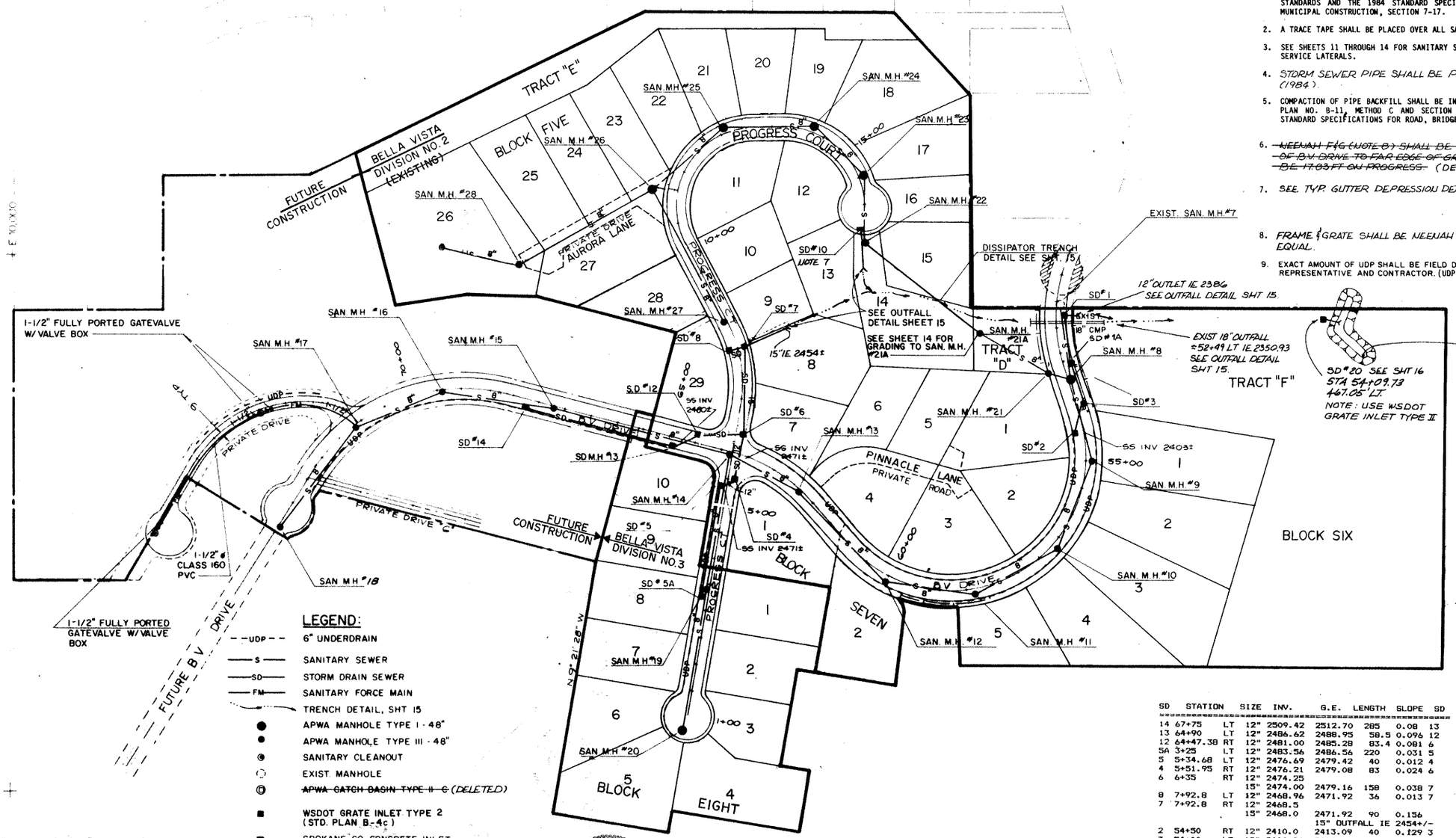
Scale: Horiz. 1" = 50' Vert. 1" = 10'
Job No.: 85034-65

HILL-TOP ENTERPRISES, INC
BELLA VISTA DIVISION 3
BELLA VISTA DRIVE STA. 52+00 TO STA. 73+60
ROADWAY PROFILES

Sheet 5 of 17
SEPT 1986

Sheet 5 of 8 Bella Vista Division No. 3

T24 N. R. 44 E. W.M.



NOTES:

1. SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPOKANE COUNTY STANDARDS AND THE 1984 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, SECTION 7-17.
2. A TRACE TAPE SHALL BE PLACED OVER ALL SANITARY AND STORM SEWERS.
3. SEE SHEETS 11 THROUGH 14 FOR SANITARY SEWER PROFILES AND LOCATIONS AND SERVICE LATERALS.
4. STORM SEWER PIPE SHALL BE PER WSDOT SECT 9-05 (1984).
5. COMPACTION OF PIPE BACKFILL SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN NO. B-11, METHOD C AND SECTION 2-03.3(14)C OF THE WSDOT 1984 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
6. ~~NEENAH F/G (NOTE 8) SHALL BE 19.83 FT FROM CTRLINE OF B.V. DRIVE TO FAR EDGE OF GRATE. THE OFFSET SHALL BE 17.83 FT ON PROGRESS.~~ (DELETED)
7. SEE TYP. GUTTER DEPRESSION DETAIL SHT 3
8. FRAME & GRATE SHALL BE NEENAH TYPE R-3591 OR APPROVED EQUAL.
9. EXACT AMOUNT OF UDP SHALL BE FIELD DETERMINED BY COUNTY REPRESENTATIVE AND CONTRACTOR. (UDP = UNDERDRAIN PIPE)

LEGEND:

- UDP — 6" UNDERDRAIN
- S — SANITARY SEWER
- SD — STORM DRAIN SEWER
- FM — SANITARY FORCE MAIN
- TRENCH DETAIL, SHT 15
- APWA MANHOLE TYPE I - 48"
- APWA MANHOLE TYPE III - 48"
- SANITARY CLEANOUT
- EXIST. MANHOLE
- ~~APWA CATCH BASIN TYPE II - G (DELETED)~~
- WSDOT GRATE INLET TYPE 2 (STD. PLAN B-4c)
- SPOKANE CO. CONCRETE INLET W/ TYPE 2 FRAME & GRATE
- (XX) LOT NUMBER

SD	STATION		SIZE	INV.	G.E.	LENGTH	SLOPE	SD
14	67+75	LT	12"	2509.42	2512.70	285	0.08	13
13	64+90	LT	12"	2486.62	2488.95	58.5	0.096	12
12	64+47.38	RT	12"	2481.00	2485.28	83.4	0.081	6
5A	3+25	LT	12"	2483.56	2486.56	220	0.031	5
5	5+34.68	LT	12"	2476.69	2479.42	40	0.012	4
4	5+51.95	RT	12"	2476.21	2479.08	83	0.024	6
6	6+35	RT	12"	2474.25				
			15"	2474.00	2479.16	158	0.038	7
8	7+92.8	LT	12"	2468.96	2471.92	36	0.013	7
7	7+92.8	RT	12"	2468.5				
			15"	2468.0	2471.92	90	0.136	
					15" OUTFALL IE 2454+/-			
2	54+50	RT	12"	2410.0	2413.09	40	0.129	3
3	54+00	LT	12"	2404.84	2409.09	75	0.077	1A
1A	53+25	LT	12"	2399.04	2402.91	100	0.094	1
1	52+25	LT	12"	2389.69	2394.69	20	0.184	
					12" OUTFALL IE 2386+/-			
10	16+50.87 (5' RT)		12"	2433.76	2436.09	130	0.05	
					12" OUTFALL IE 2427.26			

EXISTING 18" CULVERT:
52+38 46.88' RT EL. 2384.95
52+49 93.7' LT EL. 2350.93
20 54+09.93 467.05 FT LT - SEE SHT 16 OF 17

REVISED DEC. 1989

Inland Pacific Engineering
South 25 Altamont Spokane, Washington 509 535-1410 99202

Developer's Approval — President Greenstone Corporation — Date

8/21/89 FOR 7-89 REVISIONS

2/5/90 FOR 12/89 REVISIONS

DEVELOPER APPROVAL DATE

No.	Date	By	Chd.	Appr.	Revision
7	12-89	MJB			REVISED FOR BELLA VISTA DIVISION NO. 3
6	7-89	MJB			REVISED LOT LINES AND PLAT BOUNDARY
5	9-86	LSK			COUNTY REVIEW.
4	9-86	LSK			REVISE PIPE Ø, ADD SD 1A
3	9-86	STV			REVISED PER SPOKANE COUNTY REVIEW
2	7-86	PDH			REVISED PER SPOKANE COUNTY REVIEW
1	9-85	GLR			REVISED PER SPOKANE COUNTY REVIEW

JOHN T. BANNON — REGISTERED PROFESSIONAL ENGINEER

LEONARD KONG — REGISTERED PROFESSIONAL ENGINEER

Approved By:

Drawn By: Date: 6-1-85
Designed By: KAB 6-1-85
Checked By: 7-18-85
Approved By:

ENTRANCO Engineers
ENVIRONMENTAL AND TRANSPORTATION CONSULTANTS
BELLEVUE WASHINGTON

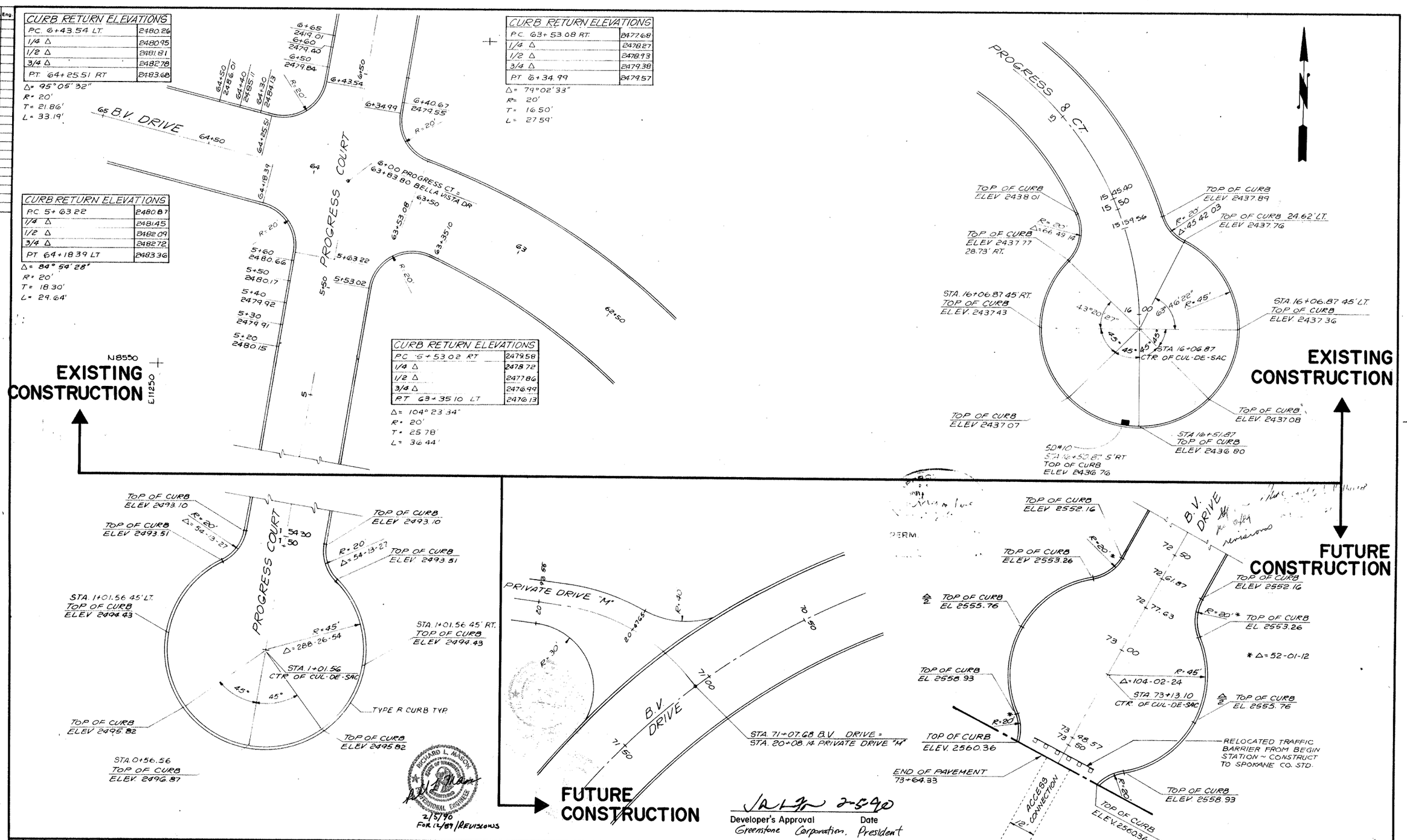
Scale: Horiz. 1"=100' Vert. NA
Job No.: 85034-65

HILL-TOP ENTERPRISES, INC.
BELLA VISTA DIVISION 3
SANITARY & STORM SEWER PLAN

Sheet 10 Of 17

SEP 30

Sheet 8 of 8 Bella Vista Division No. 3



RICHARD L. MASON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
2/5/90
FOR 12/89 REVISIONS

Developer's Approval 2-5-90 Date
Greenstone Corporation, President

No.	Date	By	Ckd.	Appr.	Revision
5	12-89	FWC			REVISED FOR BELLA VISTA DIVISION NO. 3
4	9-86	LSK			COUNTY REVIEW
3	9-86	STV			REVISED PER SPOKANE COUNTY REVIEW
2	7-86	PDH			REVISED PROGRESS COURT PER SPOKANE COUNTY
1	9-85	GLR			REVISED PER SPOKANE COUNTY REVIEW

JOHN T. BANNON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

LEONARD KONG, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

Approved By:

Drawn By: Date: 6-1-85
Designed By: 6-1-85
Checked By: RB Jamison 7-15-85
Approved By:

ENTRANCO Engineers
ENVIRONMENTAL AND TRANSPORTATION CONSULTANTS
BELLEVUE WASHINGTON

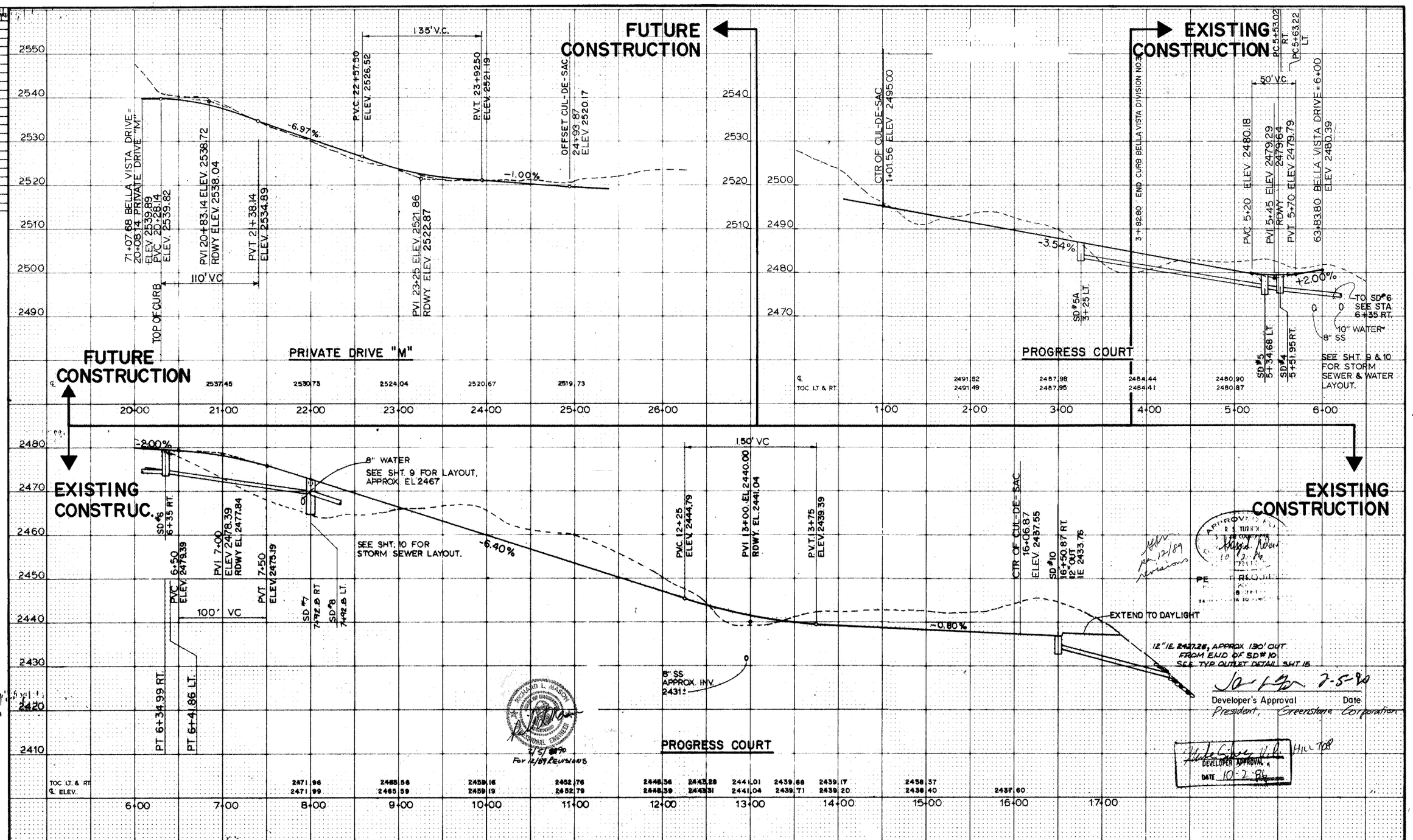
Scale: Horiz. 1"=20' Vert. NA
Job No.: 85034-65

HILL-TOP ENTERPRISES, INC
BELLA VISTA DIVISION 3
CURB DETAILS

Sheet 8 Of 17

Sheet 7 of 8 Bella Vista Division No.3

LP12548-UTIL-1-TIF



No.	Date	By	Chk.	Appr.	Revision
5	12-89	EWC			BELLA VISTA DIVISION No. 3
4	9-86	LSK			COUNTY REVIEW
3	9-86	STV			REVISED PER SPOKANE COUNTY REVIEW
2	7-86	PDH			REVISED PROGRESS COURT PER SPOKANE COUNTY
1	9-85	GLR			REVISED PRIVATE DRIVE "M" PER SPOKANE COUNTY
1	9-85	GLR			REVISED PER SPOKANE COUNTY REVIEW

JOHN T. BANNON — REGISTERED PROFESSIONAL ENGINEER

LEONARD KONG — REGISTERED PROFESSIONAL ENGINEER

Approved By:

Drawn By: [signature] Date: 6-1-85
Designed By: LSK 6-1-85
Checked By: [signature] 7-15-85
Approved By:

ENTRANCO Engineers
ENVIRONMENTAL AND TRANSPORTATION CONSULTANTS
BELLEVUE WASHINGTON

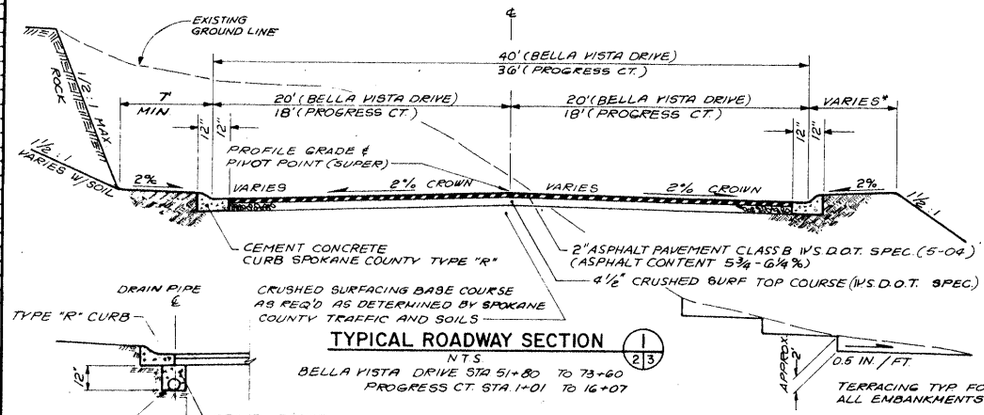
Scale: Horiz. 1" = 50' Vert. 1" = 10'
Job No.: 85034-65

HILL-TOP ENTERPRISES, INC
BELLA VISTA DIVISION 3
PROGRESS COURT STA. 1+00 TO STA. 16+50, ROADWAY PROFILES

Sheet 6 of 17
SEP 30 1990

Sheet 6 of 8 Bella Vista Division No. 3

INT	DATE	DWG	ENG

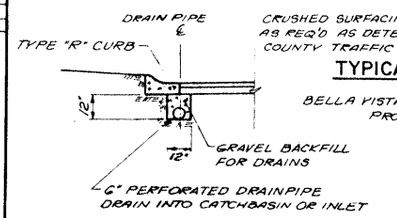


TYPICAL ROADWAY SECTION (1 | 2 | 3)

N.T.S.

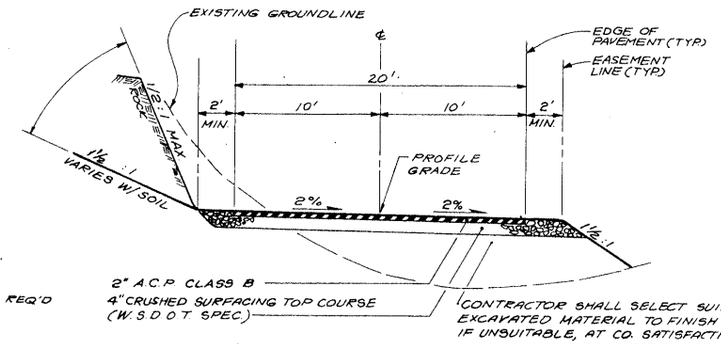
BELLA VISTA DRIVE STA 51+80 TO 73+60
PROGRESS CT. STA. 1+01 TO 16+07

* SHOULDER WIDTH 10' FROM STA. 54+00 RT. TO 62+00 RT. ELSEWHERE, 7' TYPICAL



UNDERDRAIN

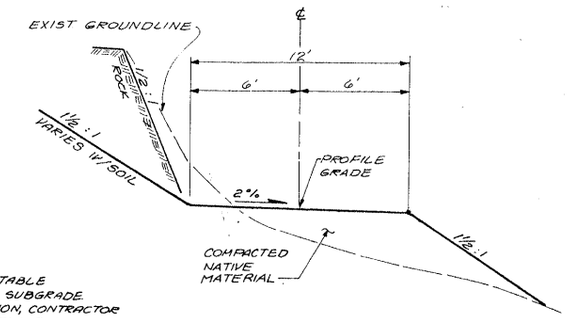
N.T.S.
(WHERE REQUIRED)



PAVED PRIVATE ROAD SECTION (2 | 2 | 3)

N.T.S.

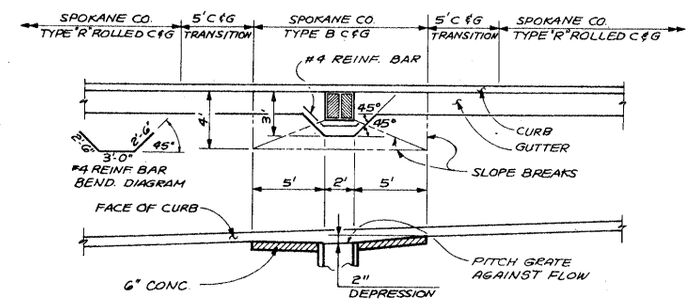
PINNACLE LANE
AURORA LANE



ACCESS CONNECTION (3 | 2 | 3)

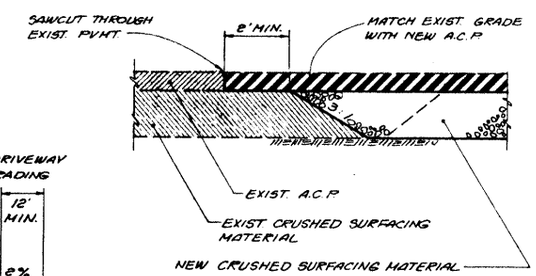
N.T.S.

CONNECTION TO MORROW PARK ROAD
NOTE: CONNECTION TO FOLLOW EXISTING JEEP TRAIL.



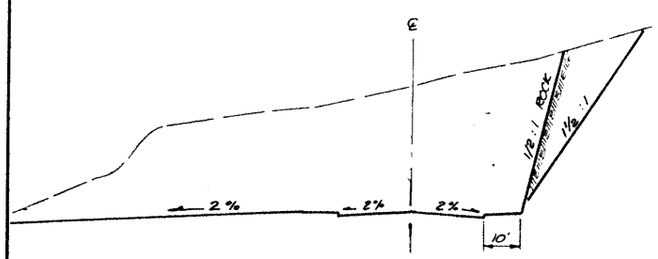
TYPICAL GUTTER DEPRESSION DETAIL

N.T.S.



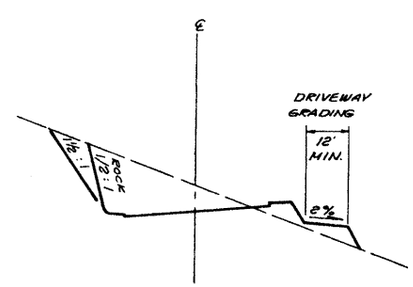
TYPICAL PAVEMENT BUTT JOINT DETAIL (8 | 2 | 3)

N.T.S.



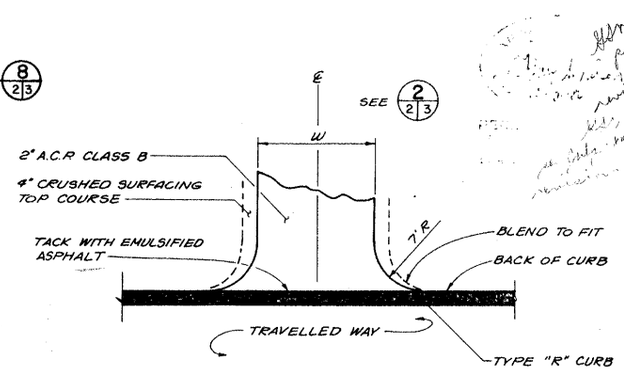
SPECIAL GRADING SECTION (4 | 4 | 3)

SCALE: 1" = 10' VERT, 1" = 20' HORIZ.



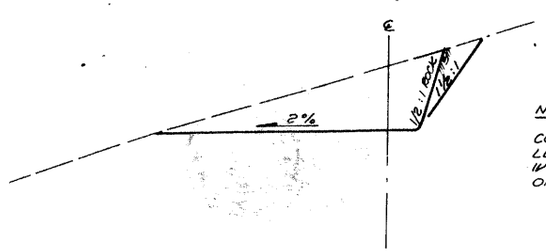
SPECIAL GRADING SECTION (5 | 4 | 3)

SCALE: 1" = 10' VERT, 1" = 20' HORIZ.



TYPICAL PRIVATE ROAD CONNECTION

N.T.S.
ALL PAVED PRIVATE ROADS

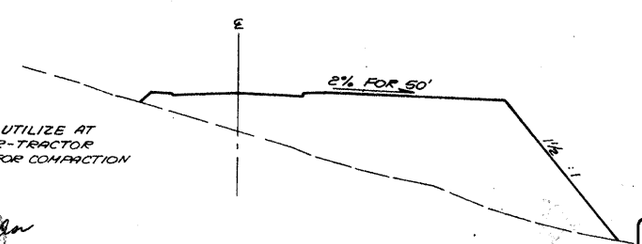


SPECIAL GRADING SECTION (6 | 4 | 3)

SCALE: 1" = 10' VERT, 1" = 20' HORIZ.

NOTE:

CONTRACTOR SHALL UTILIZE AT LEAST ONE CRAWLER-TRACTOR WITH GRID ROLLER FOR COMPACTION OF ALL FILL AREAS.



SPECIAL GRADING SECTION (7 | 4 | 3)

SCALE: 1" = 10' VERT, 1" = 20' HORIZ.

REVISED DEC. 1989

Inland Pacific Engineering
South 25 Altamont 509 535-1410 Spokane, Washington 99202

2/5/90
For 12/89 Revisions

2-5-90
Developer's Approval Date
President, Greenstone Corporation

No.	Date	By	Ckd.	Appr.	Revision
5	12-89	MJB			BELLA VISTA DIVISION No. 3
4	7-89	EWL			PRIVATE & ACCESS CONNECTION TO MORROW PARK RD.
3	9-86	STV			REVISED PER SPOKANE COUNTY REVIEW
1	9-85	GLR			REVISED PER SPOKANE COUNTY REVIEW

JOHN T. BANNON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

LEONARD KONG — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

Approved By:

Drawn By: Date 6-1-85
Designed By: 6-1-85
Checked By: 7-15-85
Approved By:

ENTRANCO Engineers
ENVIRONMENTAL AND TRANSPORTATION CONSULTANTS
BELLEVUE WASHINGTON

Scale: Horiz. NA, Vert. NA
Job No.: 85034-65

HILL-TOP ENTERPRISES, INC
BELLA VISTA DIVISION 3
TYPICAL ROADWAY SECTIONS & DETAILS

Sheet 3 of 17