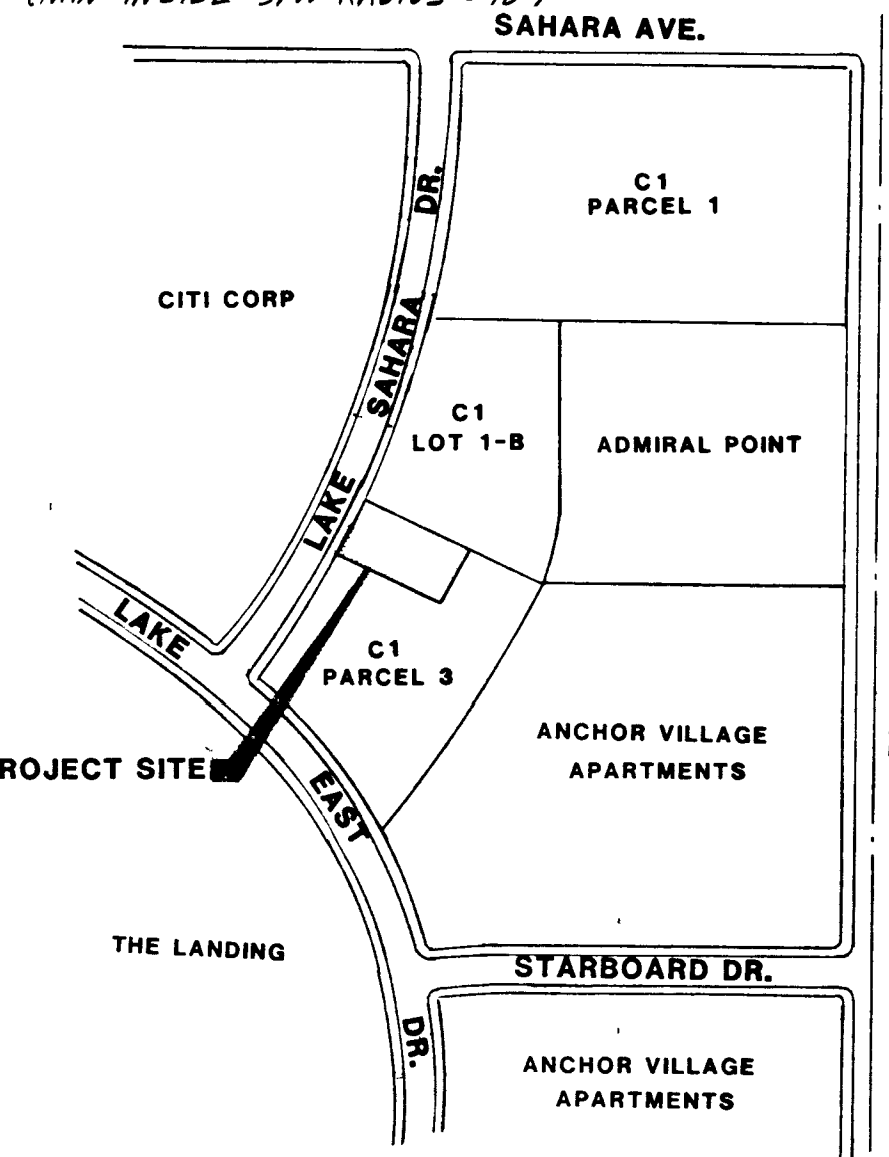


NOTE 1. EXISTING IRRIGATION SYSTEM IN LANDSCAPED BERM WILL REQUIRE MODIFICATION.

2. TRANSITION EXISTING SIDEWALKS TO MEET WHEELCHAIR RAMPS AT VALLEY GUTTERS. (MIN INSIDE S/W RADIUS = 10')

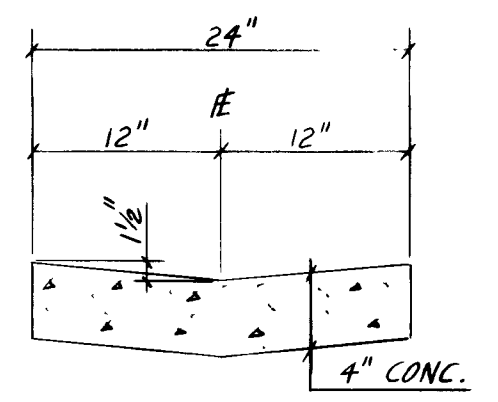


LEGEND

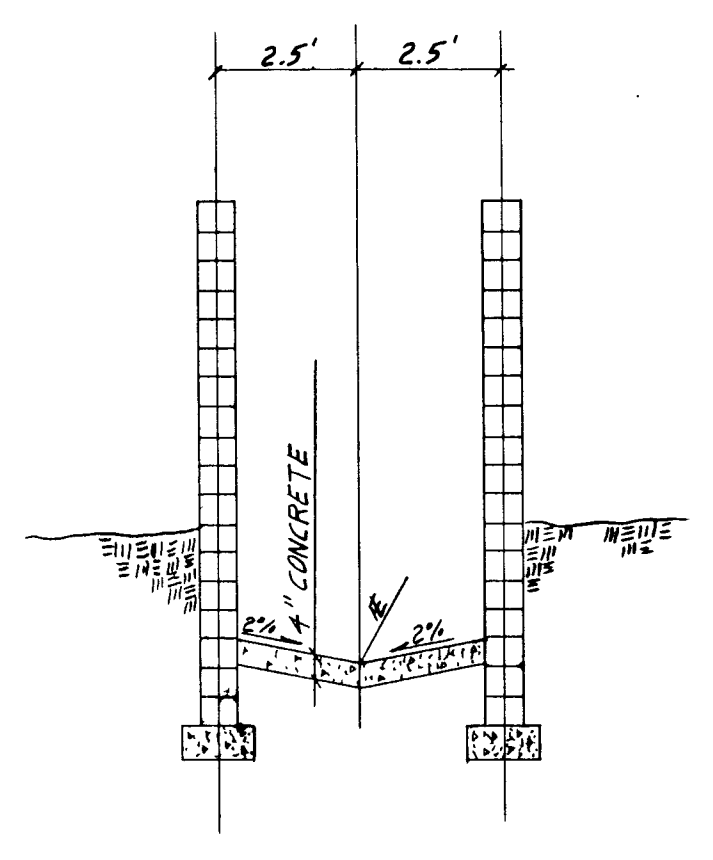
- SCARP
- SWALE
- RATE AND DIRECTION OF FLOW
- NATURAL GROUND CONTOUR
- T.C. TOP OF CURB
- F.F. FINISH GRADE
- FL. FLOW LINE
- G.B. GRADE BREAK

GENERAL NOTES

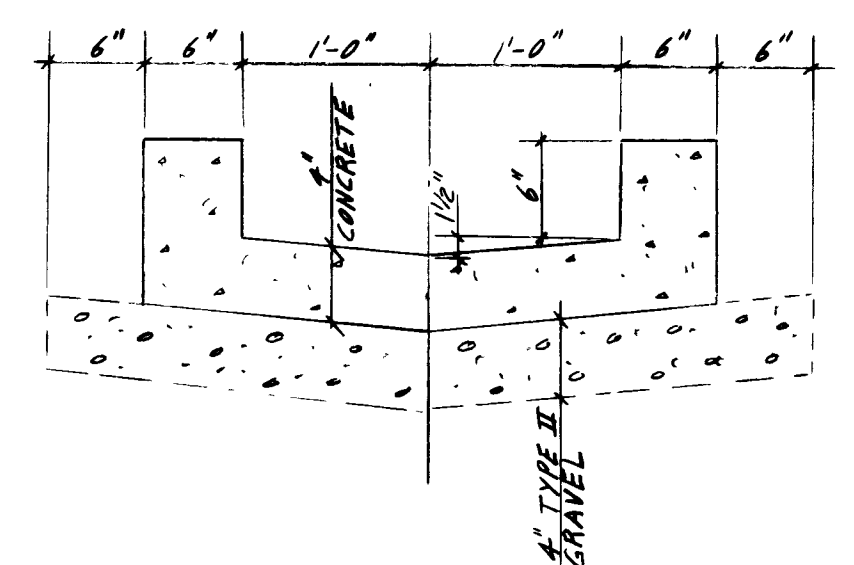
1. ALL GRADES SHOWN HEREON ARE TO ROUGH GRADE ONLY AND ARE 0.3 FEET LOW TO ALLOW FOR LANDSCAPING EXCEPT T.C., F.L. AND F.G., WHICH ARE TO FINISH GRADE.
2. THE QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
3. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL GRADING TO CONFORM TO SOILS REPORT BY GEOTECHNICAL SERVICES.
5. FINISH FLOOR ELEVATION TO BE 1.0 FOOT ABOVE PAD GRADE.



SECTION C - C  
(2' VALLEY GUTTER)



SECTION A - A



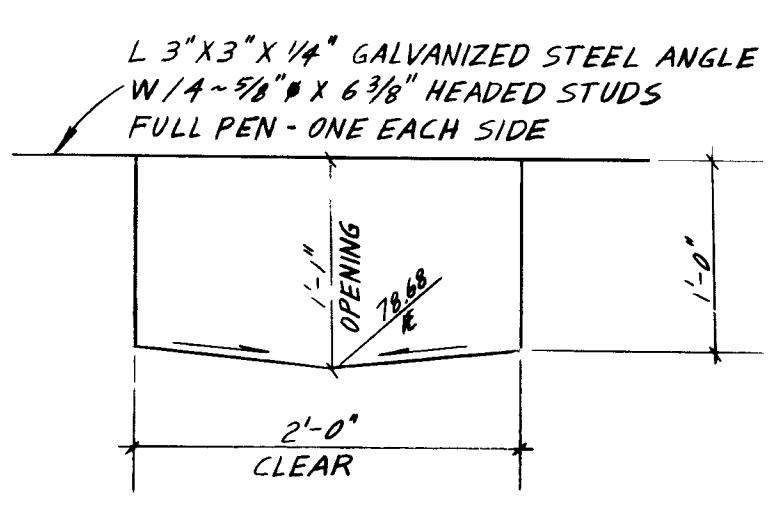
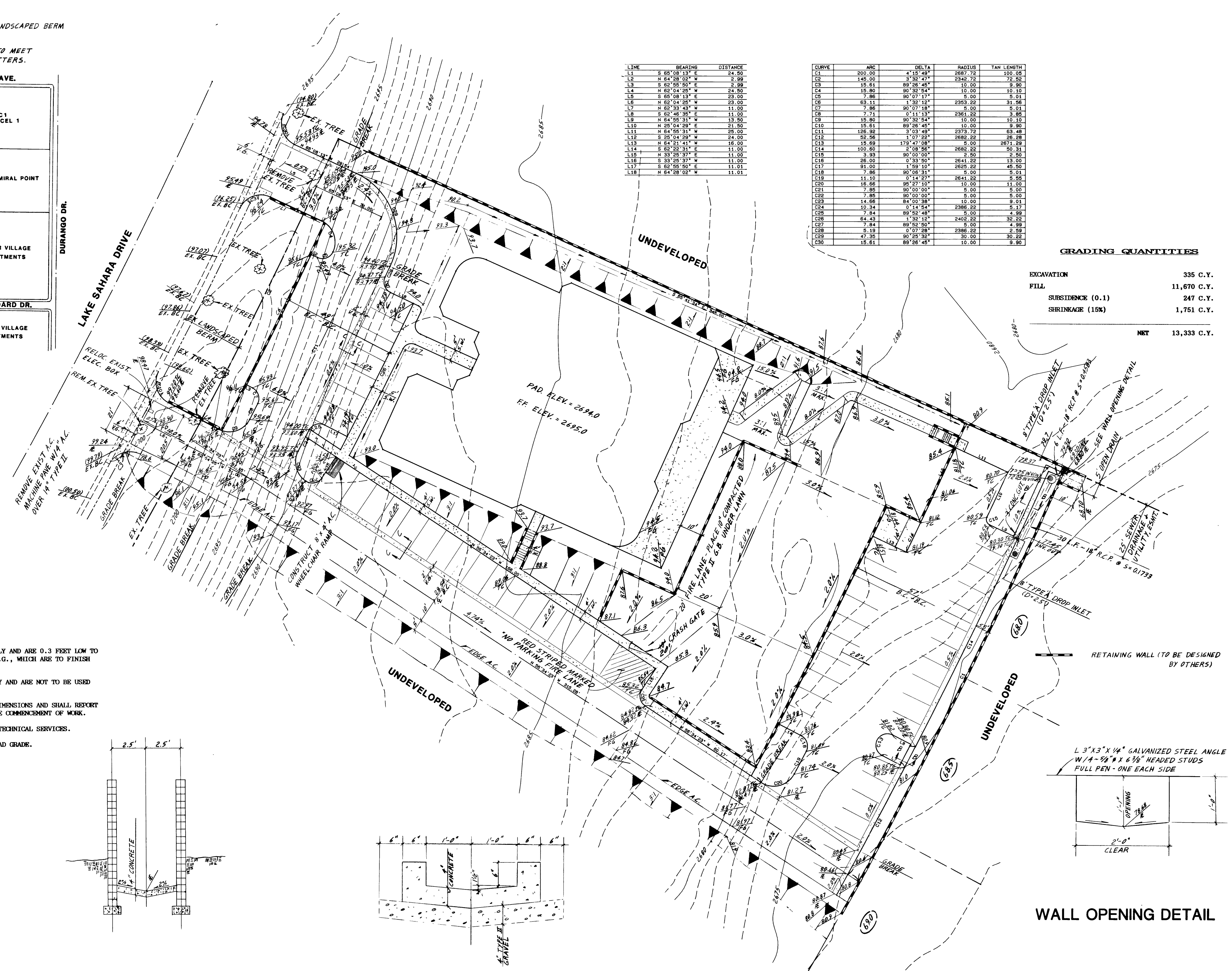
SECTION B - B  
(3' CONCRETE GUTTER)

LINE	BEARING	DISTANCE
L1	S 89° 08' 13" E	24.50
L2	N 84° 28' 02" W	2.98
L3	S 82° 55' 50" E	2.98
L4	N 82° 04' 25" W	24.50
L5	S 85° 08' 13" E	23.00
L6	N 82° 04' 25" W	23.00
L7	N 82° 53' 43" W	11.00
L8	S 82° 46' 35" E	11.00
L9	N 84° 25' 31" W	13.50
L10	N 85° 04' 08" E	23.50
L11	N 84° 55' 31" W	29.00
L12	S 85° 04' 29" W	24.00
L13	N 84° 21' 41" W	16.00
L14	S 82° 22' 31" E	11.00
L15	N 83° 23' 37" E	11.00
L16	S 83° 23' 37" W	11.00
L17	S 82° 46' 35" E	11.01
L18	N 84° 28' 02" W	11.01

CURVE	ARC	DELTA	RADIUS	TAN LENGTH
C1	200.00	4° 15' 49"	2897.72	100.00
C2	145.00	3° 35' 47"	2343.72	72.50
C3	15.81	89° 26' 45"	10.00	9.90
C4	15.80	90° 36' 54"	10.00	10.10
C5	7.86	90° 07' 17"	5.00	5.01
C6	63.11	1° 32' 12"	2353.22	31.56
C7	7.86	90° 07' 18"	5.00	5.01
C8	7.71	0° 11' 13"	2361.22	3.85
C9	15.80	90° 36' 54"	10.00	10.10
C10	15.81	89° 26' 45"	10.00	9.90
C11	126.92	3° 03' 49"	2373.72	63.48
C12	52.56	1° 07' 23"	2662.22	28.28
C13	15.69	179° 47' 08"	5.00	2671.29
C14	100.80	0° 08' 56"	2682.22	50.31
C15	3.93	90° 00' 00"	2.00	2.50
C16	26.00	0° 33' 50"	2641.22	13.00
C17	81.00	1° 58' 18"	2622.22	45.20
C18	7.86	90° 08' 31"	5.00	5.01
C19	11.10	0° 14' 27"	2641.22	5.55
C20	18.66	89° 27' 10"	10.00	11.00
C21	7.85	90° 00' 00"	5.00	5.00
C22	7.85	90° 00' 00"	5.00	5.00
C23	14.66	84° 00' 59"	10.00	9.01
C24	10.34	0° 14' 54"	2386.22	5.17
C25	7.84	89° 55' 48"	5.00	4.99
C26	64.43	1° 32' 12"	2402.22	32.22
C27	7.84	89° 55' 50"	5.00	4.99
C28	5.19	0° 07' 28"	2386.22	2.59
C29	47.35	90° 25' 32"	30.00	30.22
C30	15.81	89° 26' 45"	10.00	9.90

GRADING QUANTITIES

EXCAVATION	335 C.Y.
FILL	11,670 C.Y.
SUBSIDENCE (0.1)	247 C.Y.
SHRINKAGE (15%)	1,751 C.Y.
<b>TOTAL</b>	<b>13,333 C.Y.</b>



WALL OPENING DETAIL

REV	DATE	BY	REVISION
1	1/15/88	G.S.	ADDED NORTH ARROW
2	1/29/88	G.S.	ADDED NORTH ARROW SECTION C-C, LEGEND, NOTES QUANT EST, W.C. RAMP CORR. GRADES.
3	2/12/88	G.S.	ADDED SAWCUT J.A.C. REPLACEMENT.
4	2/15/88	G.S.	MODIFIED GRADES - OPEN DRAIN.
5	2/23/88	G.S.	CHANGED ST. PARKING GRADES, OPEN DR. S/W.
6	3/17/88	G.S.	REV. V.S. S/W, L.A.M. GRADES, ADDED FIRE LINE.
7	3/15/88	G.S.	CORR. PER L.V. FIRE DEPT.
8	3/14/88	G.S.	REV. CHAIN GATE.

ESI ENGINEERS & ARCHITECTS INC.  
700 NEW BRIDGE  
171702P-383-9415

REGISTERED PROFESSIONAL ENGINEER  
STATE OF NEW YORK  
No. 10118  
VALERIE SHUL

SUBMITTED BY: [Signature]

GRADING PLAN

THE LAKES TOWN CENTER II  
CHILD CARE FACILITY

TITLE

PROJECT

WO NO	5085
BY	G SPENCER
DATE	1/15/88
SCALE	1"=20'

SHEET	2
OF 4 SHEETS	

107-V1541  
L-3-24

1. ALL WALL OPENINGS SHALL BE PROVIDED WITH PROPERLY ANCHORED AND PROPERLY DETAILLED WALL OPENING DETAIL.  
 2. ALL WALL OPENINGS SHALL BE PROVIDED WITH PROPERLY ANCHORED AND PROPERLY DETAILLED WALL OPENING DETAIL.  
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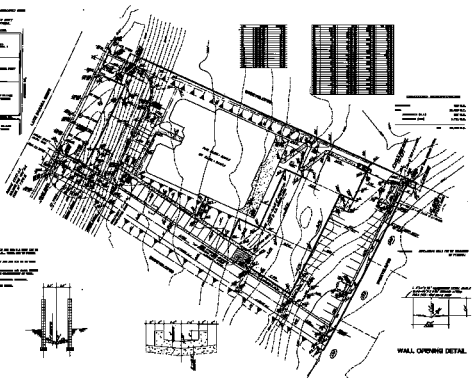
SECTION C - C  
12' WALL OPENING



SECTION A - A  
17' CORNER DETAIL



SECTION B - B  
17' CORNER DETAIL



NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1	CONCRETE	100	CU YD	100
2	REINFORCEMENT	500	LB	500
3	FORMWORK	200	SQ YD	200
4	PAINT	10	GA	10
5	FINISH	10	SQ YD	10



WALL OPENING DETAIL

DESIGNER'S SEAL

ENGINEERING FIRM

THE LAMAR UNIVERSITY II

OLD CAMPUS FACILITY II

2