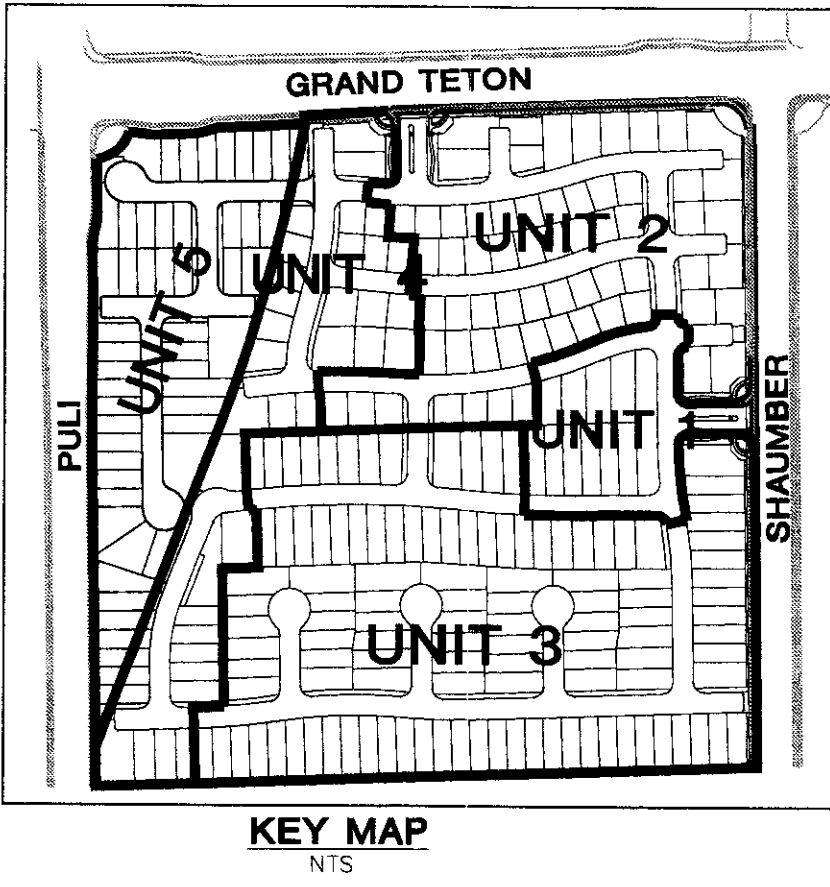
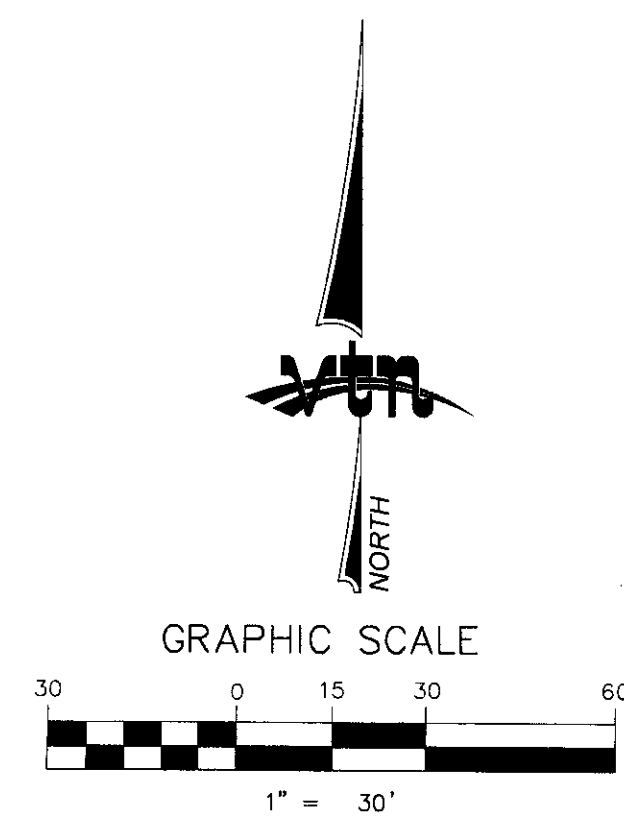
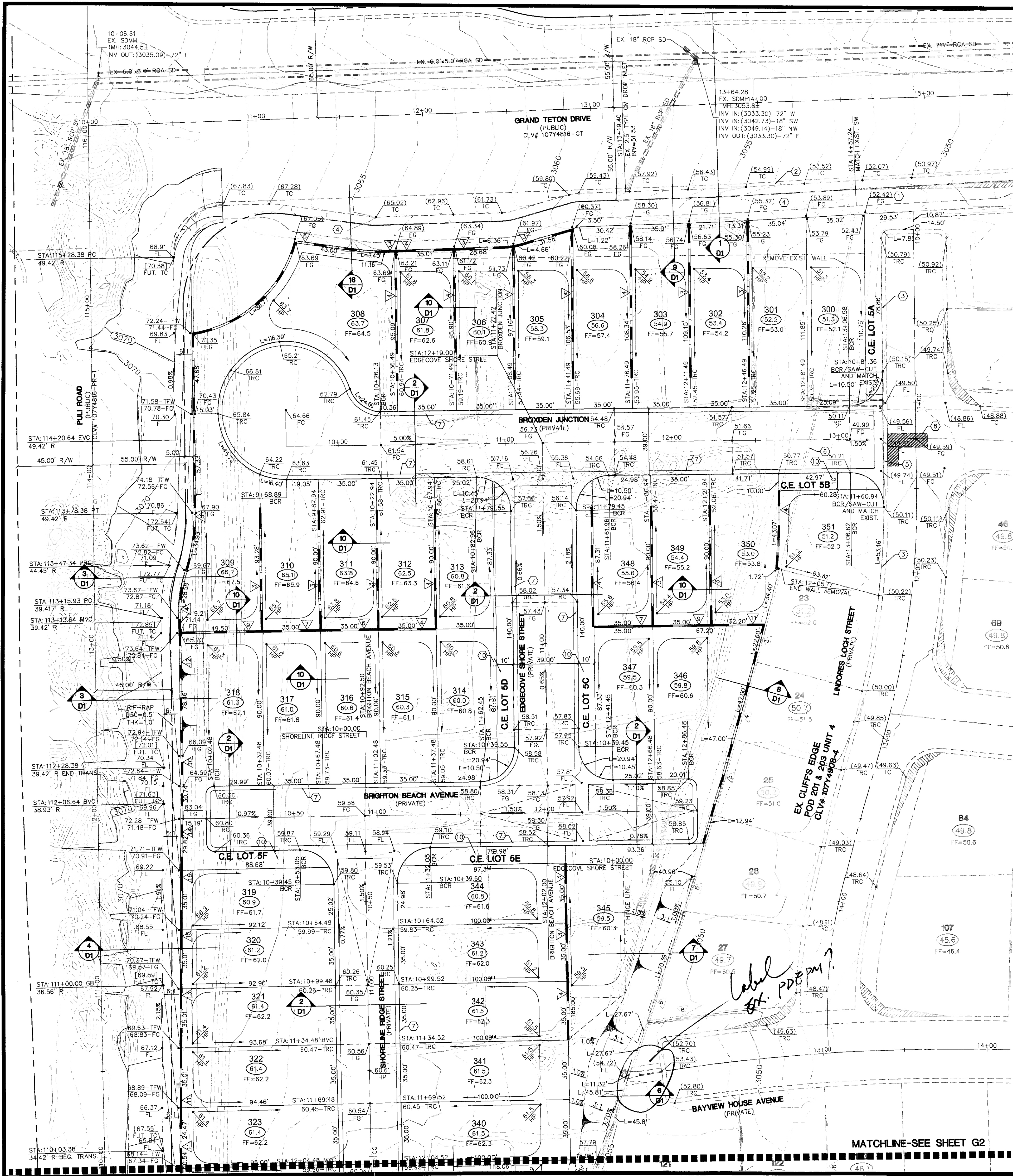




RETAINING WALL TABLE	
NUMBER OF COURSES	HEIGHT OF RETAINING WALL
1	1.00' - 1.67'
2	1.67' - 2.34'
3	2.34' - 3.01'
4	3.01' - 3.68'
5	3.68' - 4.35'
6	4.35' - 5.02'
7	5.02' - 5.69'
8	5.69' - 6.36'
9	6.36' - 7.03'
10	7.03' - 7.70'
11	7.70' - 8.37'
12	8.37' - 9.04'
13	9.04' - 9.71'
14	9.71' - 10.38'

NOTE:

1. ALL OF THE RETAINING WALL HEIGHTS ARE DETERMINED WITH THE TOP OF THE FOOTING BEING APPROXIMATELY 4" BELOW EXISTING GRADE. WITH THE EXCEPTION OF RETAINING WALLS WHICH ARE NEXT TO A SIDEWALK. ALL OF THESE ARE FIGURED TO HAVE THE TOP OF FOOTING BEING 8" BELOW THE TOP OF THE SIDEWALK.

2. TOP OF RETAINING WALL TO BE AT OR ABOVE UPPER PAD ELEVATION.

3. ELEVATION DIFFERENCE OF 1' OR LESS DOES NOT REQUIRE RETAINING

LEGEND			
DESCRIPTION	PROPOSED	EXISTING	FUTURE
CONTOUR (5' INTERVAL)	-2450	-(2450)	-(2450)
CONTOUR (1' INTERVAL)			
EDGE OF PAVEMENT			
RETAINING WALL			
RIGHT OF WAY			
CENTER LINE			
BACK OF CURB			
LIP OF GUTTER			
FACE OF CURB			
SIDEWALK			
UNIT BOUNDARY LINE			
PROPERTY LINE			
SCARP AND FLOW DIRECTION			
SCARP AREA			
MATCHLINE			
SIDEWALK RAMP			
SIGHT VISIBILITY ZONES			
PAVED ROAD			

QUANTITY ESTIMATE FOR DRAINAGE IMPROVEMENTS	
8" CMU FLOOD WALL	2,025 SF
6" CONCRETE	925 SF
6" TYPE II AGGREGATE BASE	925 SF
RIP-RAP	12,253 SF

CONSTRUCTION NOTES LEGEND	
No.	DESCRIPTION
1	EXISTING SIDEWALK
2	EXISTING L-CURB
3	EXISTING "ROLL" CURB
4	CONSTRUCT 10' TRAIL
5	EXISTING "ROLL" CURB TO BE REMOVED
6	EXISTING WALL TO BE REMOVED
7	CONSTRUCT "ROLL" CURB & GUTTER PER CCUSD #217A
8	REMOVE AND REPLACE EXIST. AC PAVE. UDACS 500AL AND 500AT
9	CONSTRUCT DEPRESSIONED CURB PER DETAIL 12 SHEET D1
10	CONSTRUCT 10' LANDSCAPING
11	CONSTRUCT REMOVABLE BALLARDS 5' O.C. PER CLV STD. DWG. 431A AND 421B
12	CONSTRUCT BLOCK WALL OPENING PER DETAIL 14 SHEET D1
13	COMMON LOT, PUBLIC ACCESS, UTILITY AND PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION. WIDTH VARIES FROM 53.56' TO 57.65'. SEE DETAIL 13 SHEET D1

Call before you Dig

1-800-227-2600

Call before you Overhead

1-702-227-2929

Underground

1-702-455-7511

1-702-229-6611

Call before you Dig

1-800-227-2600

Call before you Overhead

1-702-227-2929

Underground

1-702-455-7511

1-702-229-6611

CITY OF LAS VEGAS

2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 852-2597 WEB WWW.VTNV.COM

KB HOME

3655 S. DURAN AVENUE
SUITE 100
LAS VEGAS, NV 89119
(702) 266-8400

GRADING PLAN

CLIFF'S EDGE
POD 201 AND 203
UNIT 5

DESIGNED BY: OCT. '10

CHECKED BY: OCT. '10

PROJECT NO.: 6335-5

SCALE: 1"=30' HORIZ.
1"=1' VERT.

PROFESSIONAL ENGINEER

KENNETH J. NICHOLSON

CIVIL

NO. 10539

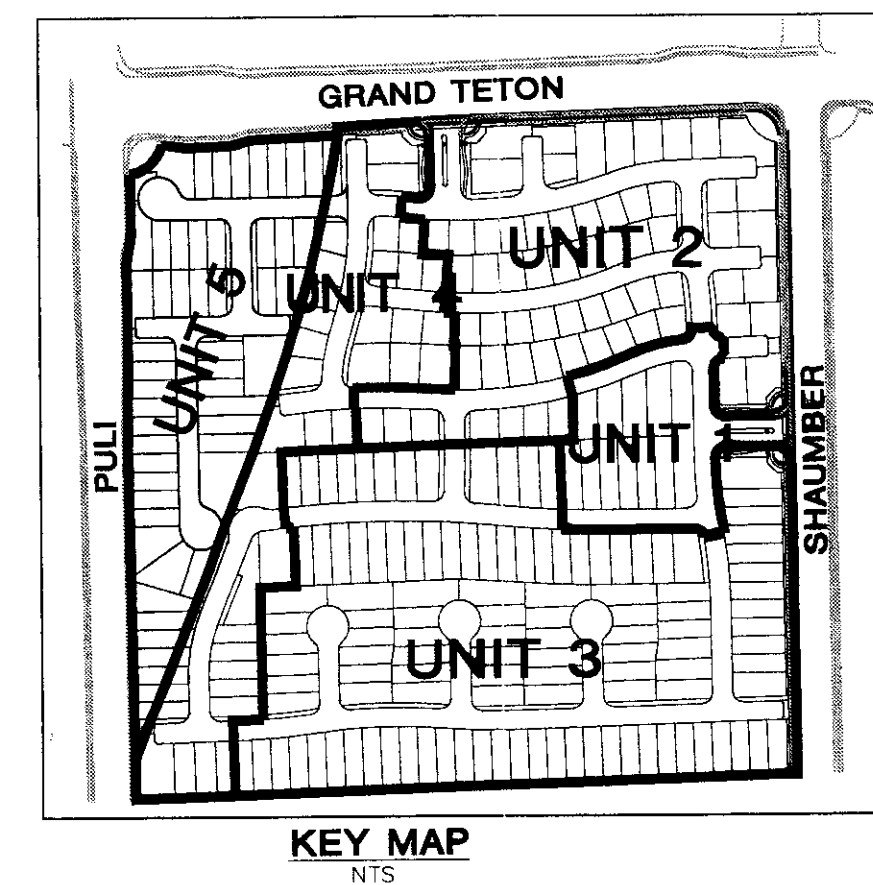
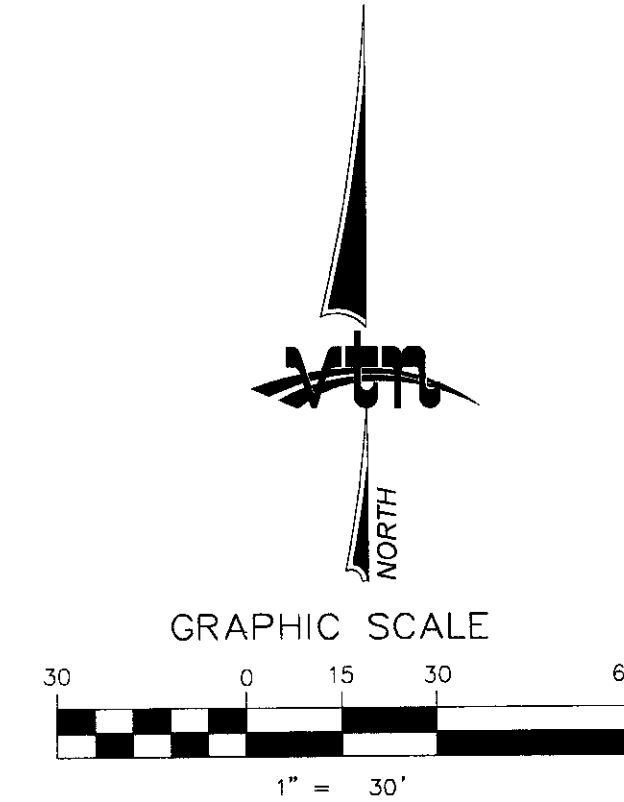
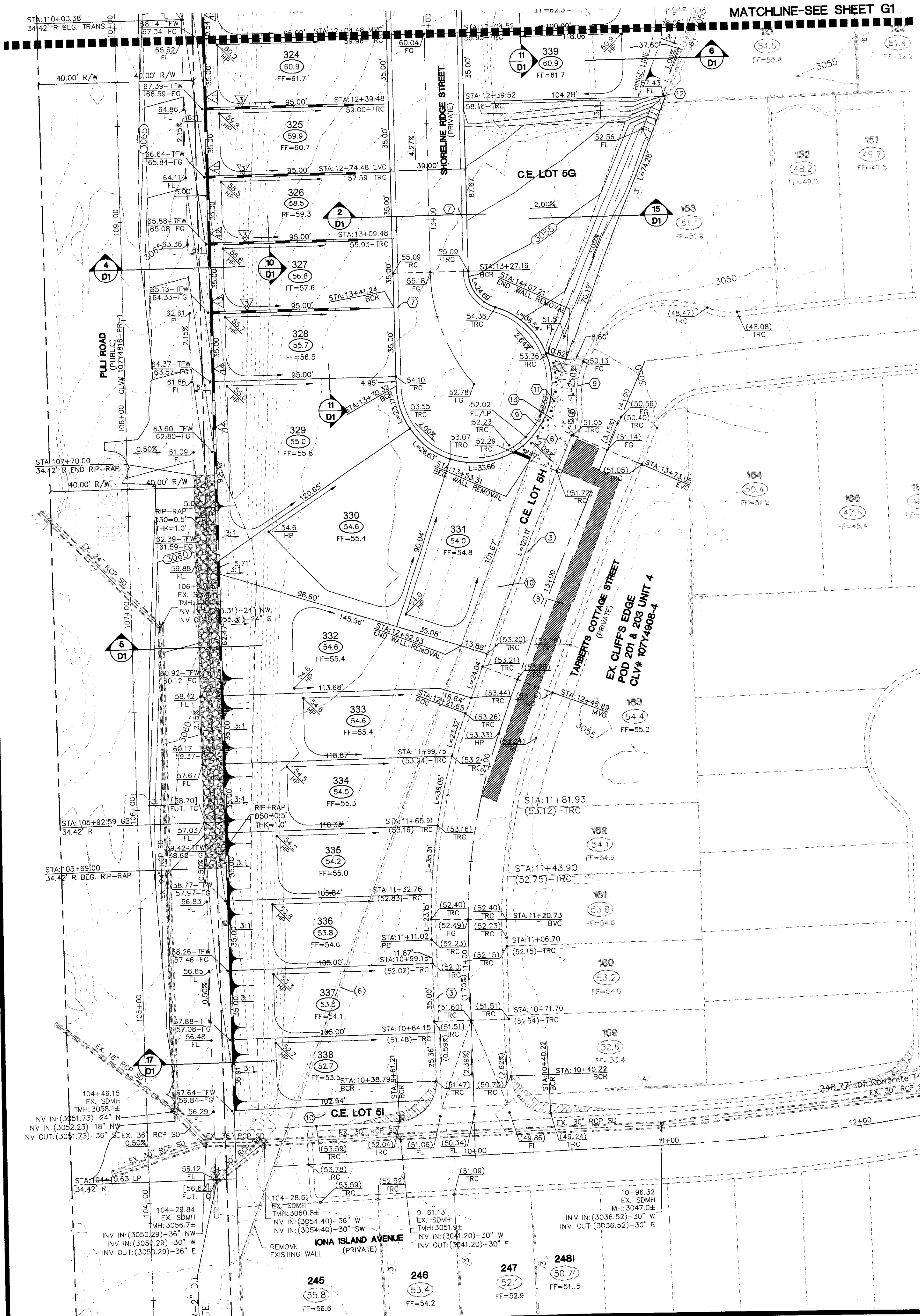
EXPIRES 12-31-11

SHEET

G1

OF SHEETS

DRAWING NO.



RETAINING WALL TABLE

NUMBER OF COURSES	HEIGHT OF RETAINING WALL
1	1.00'-1.67'
2	1.67'-2.34'
3	2.34'-3.01'
4	3.02'-3.68'
5	3.69'-4.35'
6	4.36'-5.02'
7	5.03'-5.69'
8	5.70'-6.36'
9	6.37'-7.03'
10	7.04'-7.70'
11	7.71'-8.37'
12	8.38'-9.04'
13	9.05'-9.71'
14	9.72'-10.38'

NOTE:

- ALL OF THE RETAINING WALL HEIGHTS ARE DETERMINED WITH THE TOP OF THE FOOTING BEING APPROXIMATELY 4" BELOW EXISTING GRADE. WITH THE EXCEPTION OF RETAINING WALLS WHICH ARE NEXT TO A SIDEWALK, ALL OF THESE ARE FIGURED TO HAVE THE TOP OF FOOTING BEING 8" BELOW THE TOP OF THE SIDEWALK.
- TOP OF RETAINING WALL TO BE AT OR ABOVE UPPER PAD ELEVATION.
- ELEVATION DIFFERENCE OF 1" OR LESS DOES NOT REQUIRE RETAINING.

QUANTITY ESTIMATE FOR DRAINAGE IMPROVEMENTS

8" CMU FLOOD WALL.....	2,025 SF
6" CONCRETE.....	925 SF
6" TYPE II AGGREGATE BASE.....	925 SF
RIP-RAP.....	12,253 SF

LEGEND

DESCRIPTION	PROPOSED	EXISTING	FUTURE
CONTOUR (5' INTERVAL)	-2450-	(2450)-	(2450)-
CONTOUR (1' INTERVAL)			
EDGE OF PAVEMENT			
RETAINING WALL			
RIGHT OF WAY			
CENTER LINE			
BACK OF CURB			
LIP OF GUTTER			
FACE OF CURB			
SIDEWALK			
UNIT BOUNDARY LINE			
PROPERTY LINE			
SLOPE AND FLOW DIRECTION	1.00%	1.00%	1.00%
SCARP AREA			
MATCHLINE			
SIDEWALK RAMP			
SIGHT VISIBILITY ZONES			
PAVED ROAD			

CONSTRUCTION NOTES LEGEND

No.	DESCRIPTION
1	EXISTING SIDEWALK
2	EXISTING L-CURB
3	EXISTING "ROLL" CURB
4	CONSTRUCT 10" TRAIL
5	EXISTING "ROLL" CURB TO BE REMOVED
6	EXISTING WALL TO BE REMOVED
7	CONSTRUCT "ROLL" CURB & GUTTER PER CCUSD #217A
8	REMOVE AND REPLACE EXIST. AC PAVE. UDACS 500AL AND 500AT
9	CONSTRUCT DEPRESSED CURB PER DETAIL 12 SHEET D1
10	CONSTRUCT 10" LANDSCAPING
11	CONSTRUCT REMOVABLE BALLARDS 5' O.C. PER CLV STD. DWG. 431A AND 421B
12	CONSTRUCT BLOCK WALL OPENING PER DETAIL 14 SHEET D1
13	COMMON LOT, PUBLIC ACCESS, UTILITY AND PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION. WIDTH VARIES FROM 53.55' TO 57.65' SEE DETAIL 13 SHEET D1

Call before you Dig
1-800-227-2600
Call before you Overhead
1-702-227-2929

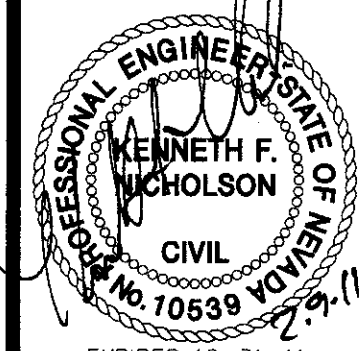
This grading plan is a part of drainage study #4501 which was received on 10/27/11 and approved on 11/1/11. Call before you Dig. Call before you Overhead. For typical street sections see sheet G2. This grading plan is a part of drainage study #4501 which was received on 10/27/11 and approved on 11/1/11. Call before you Dig. Call before you Overhead. For typical street sections see sheet G2.

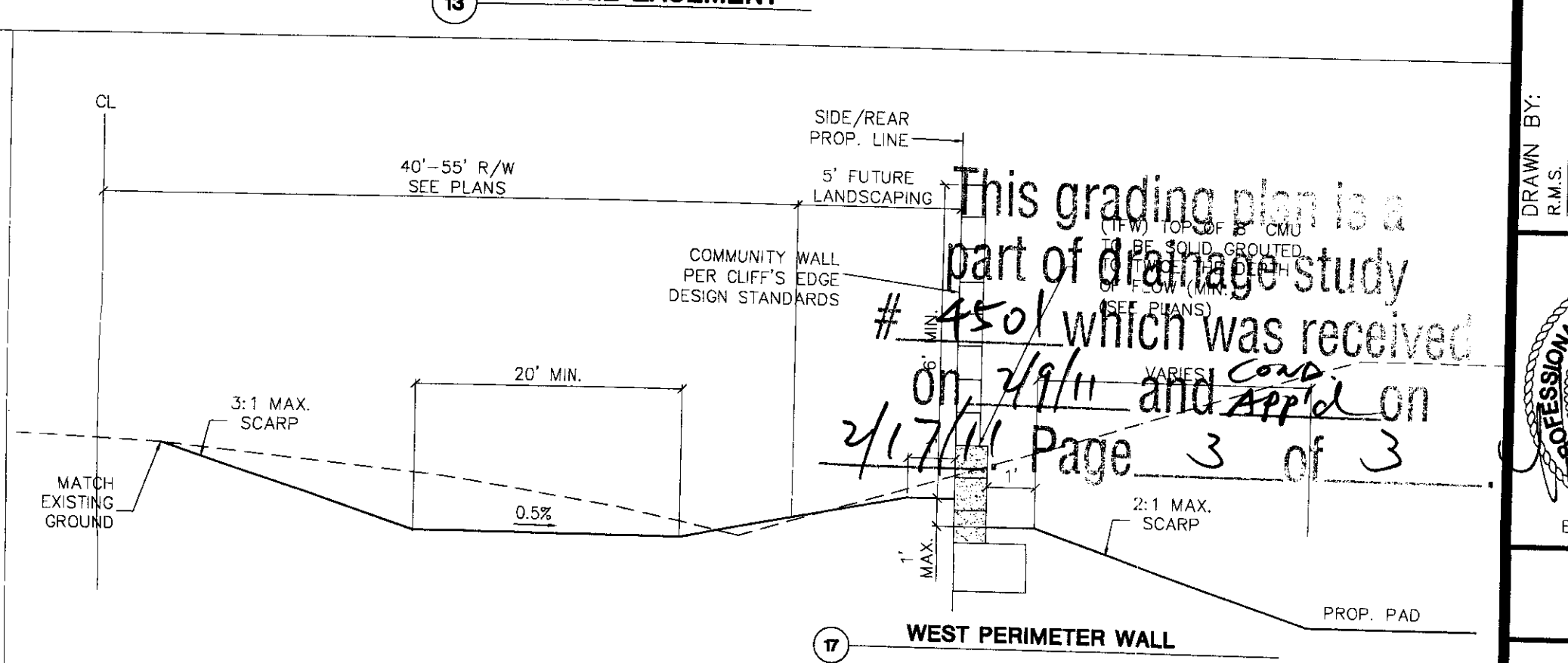
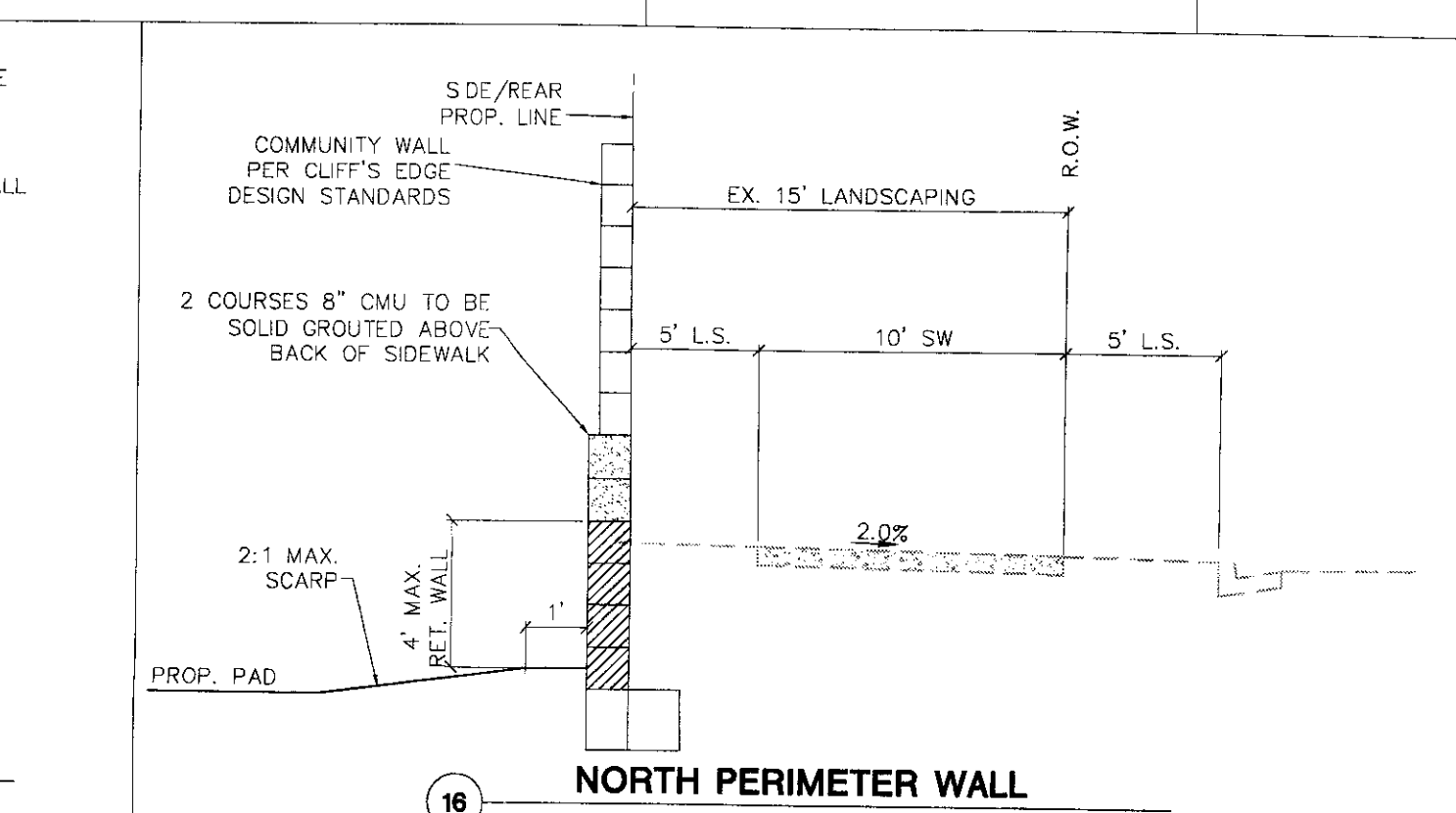
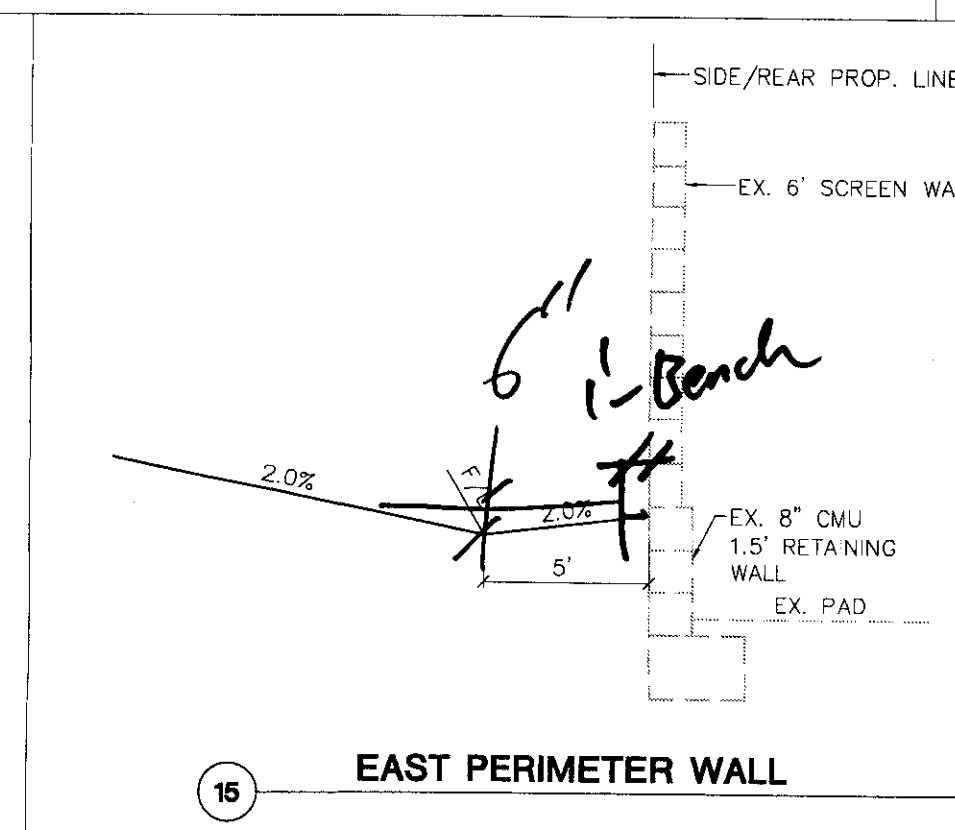
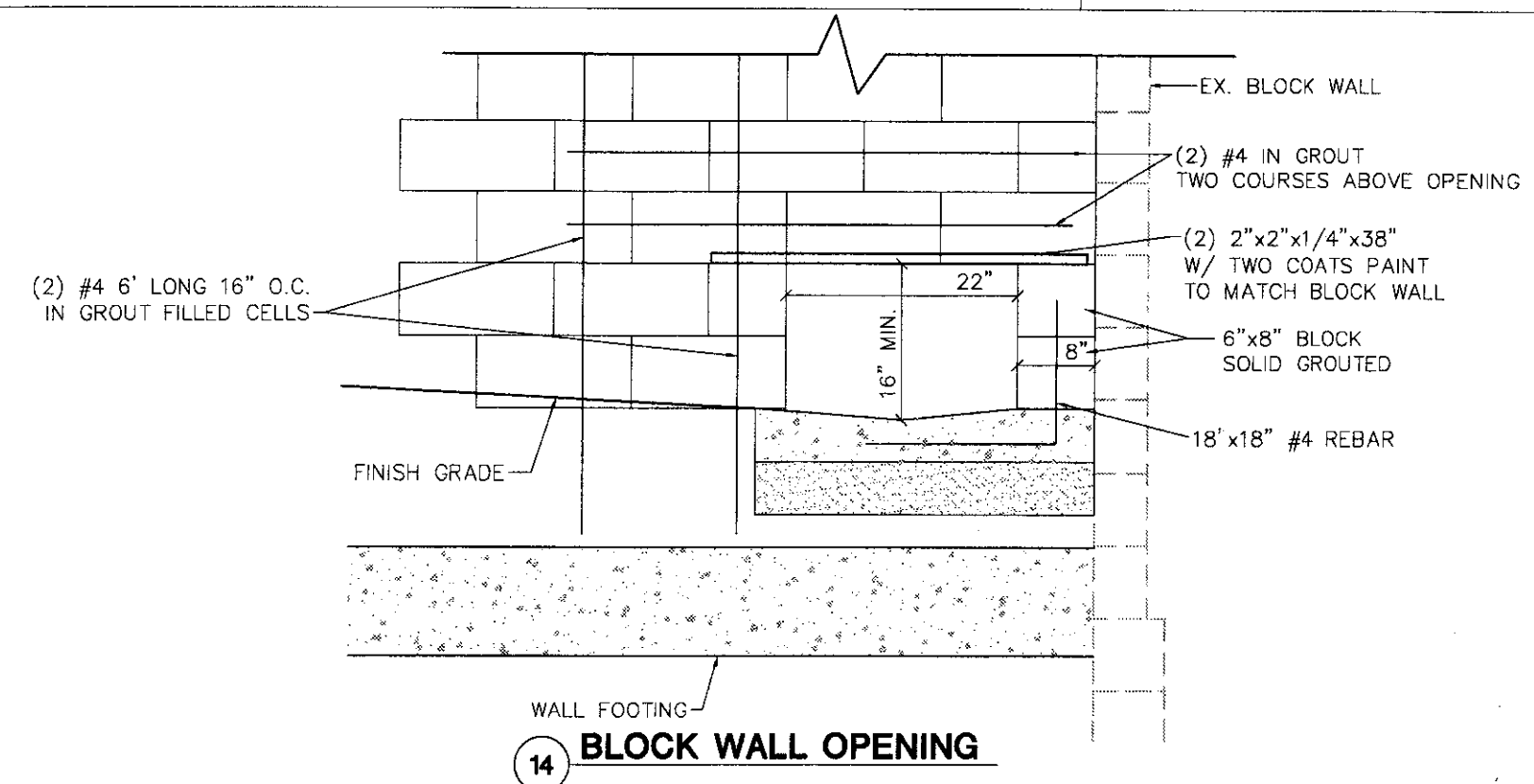
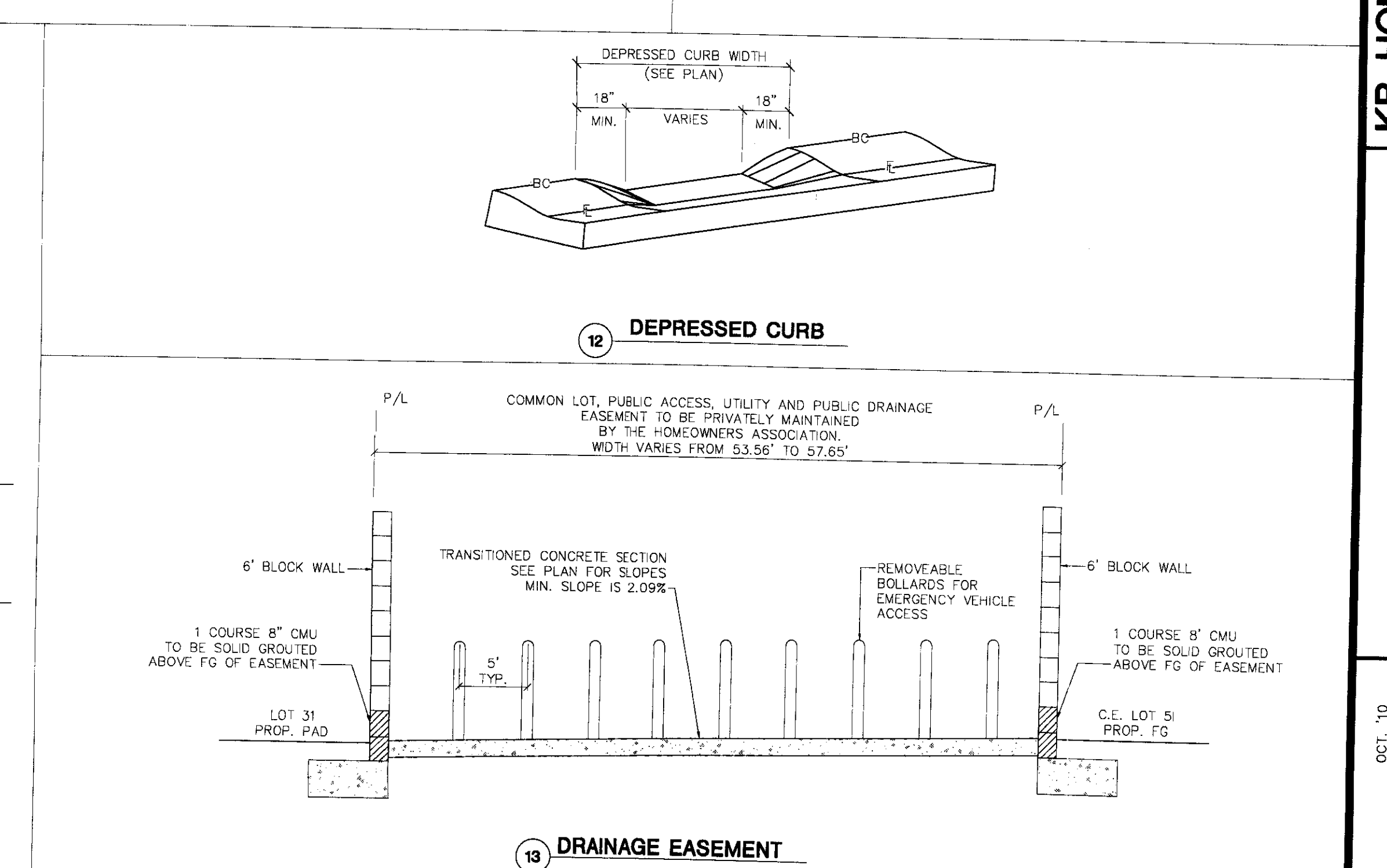
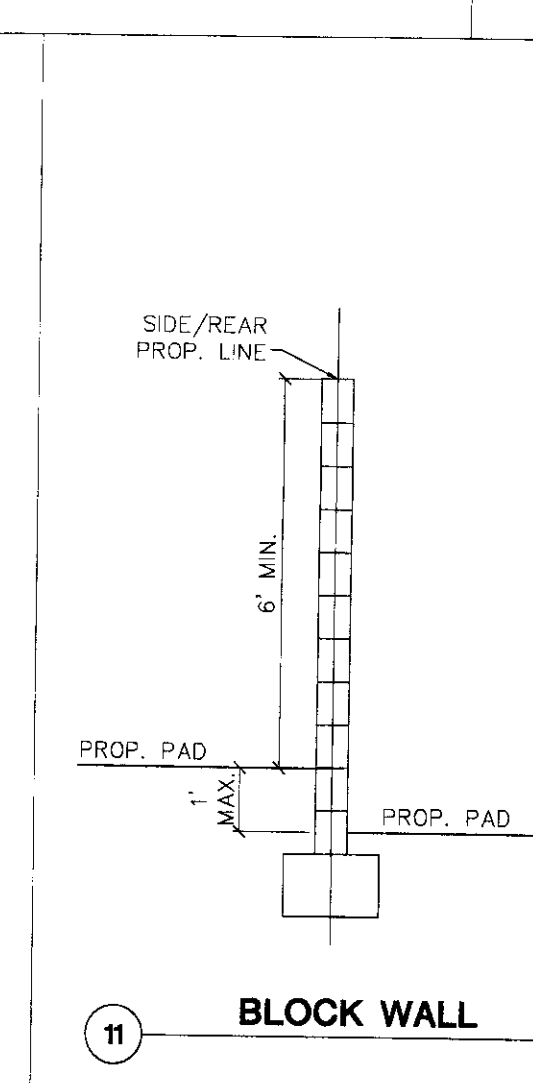
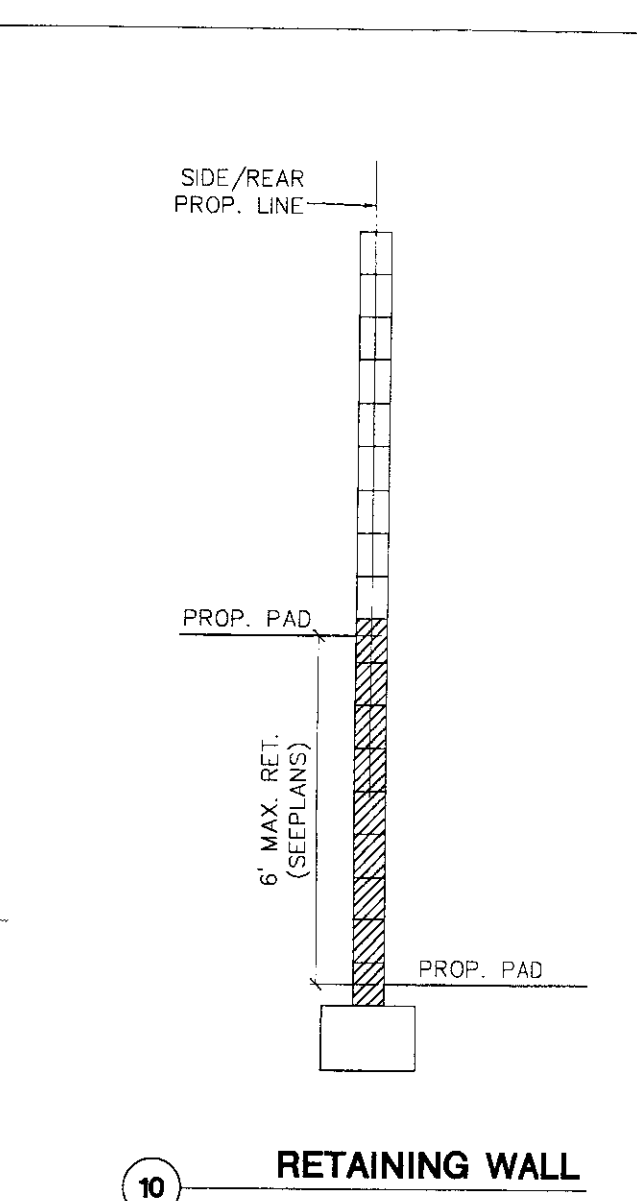
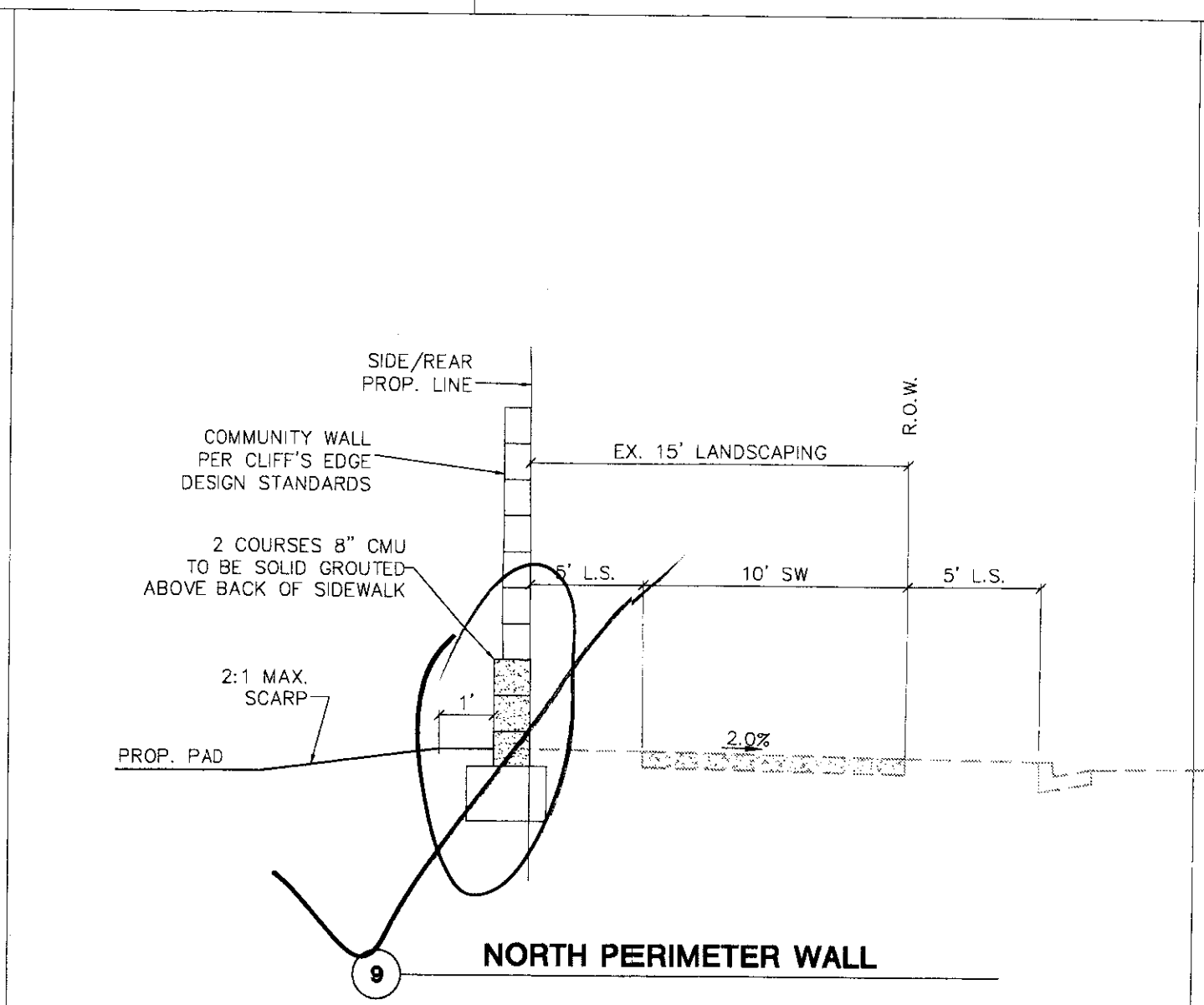
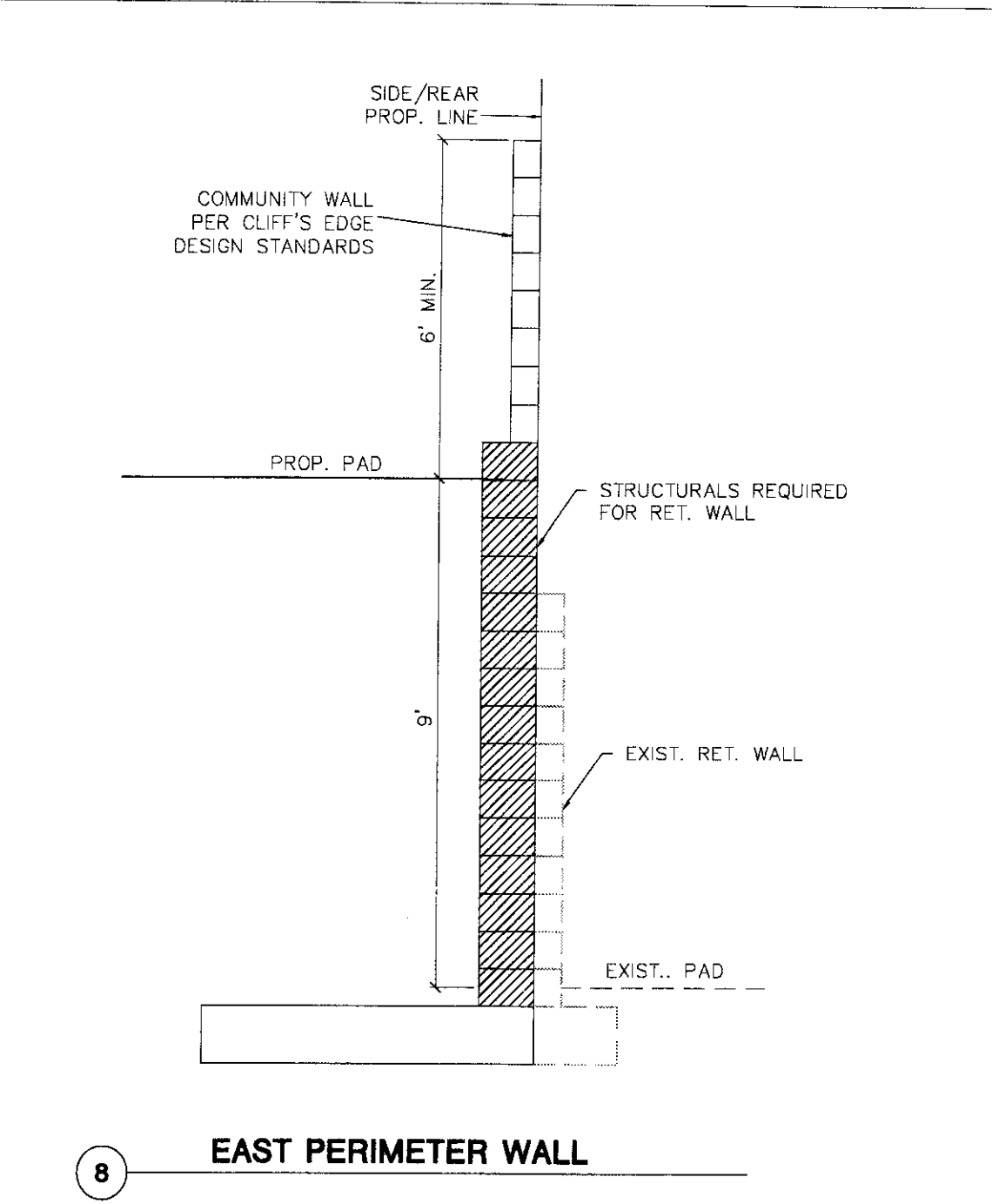
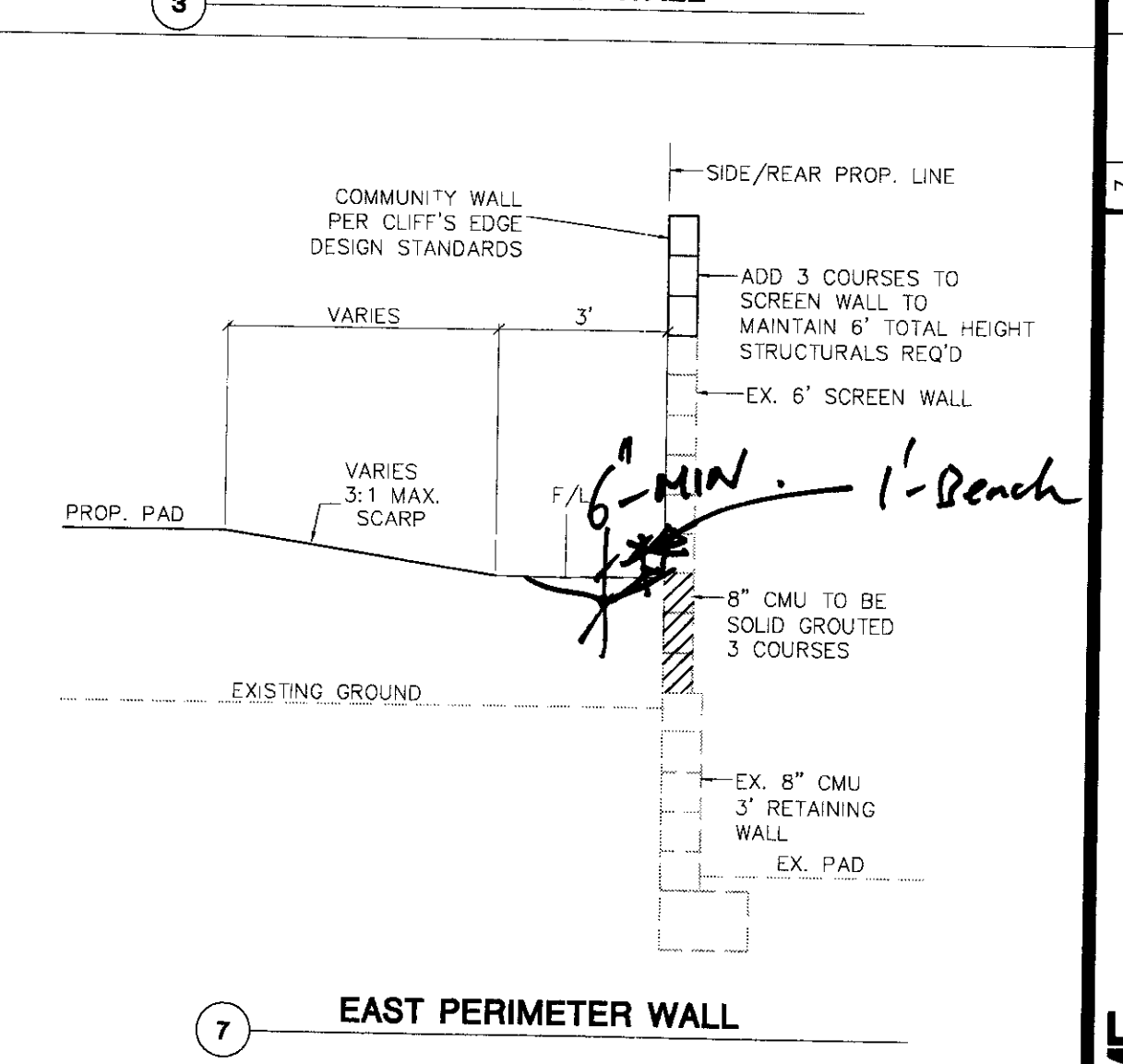
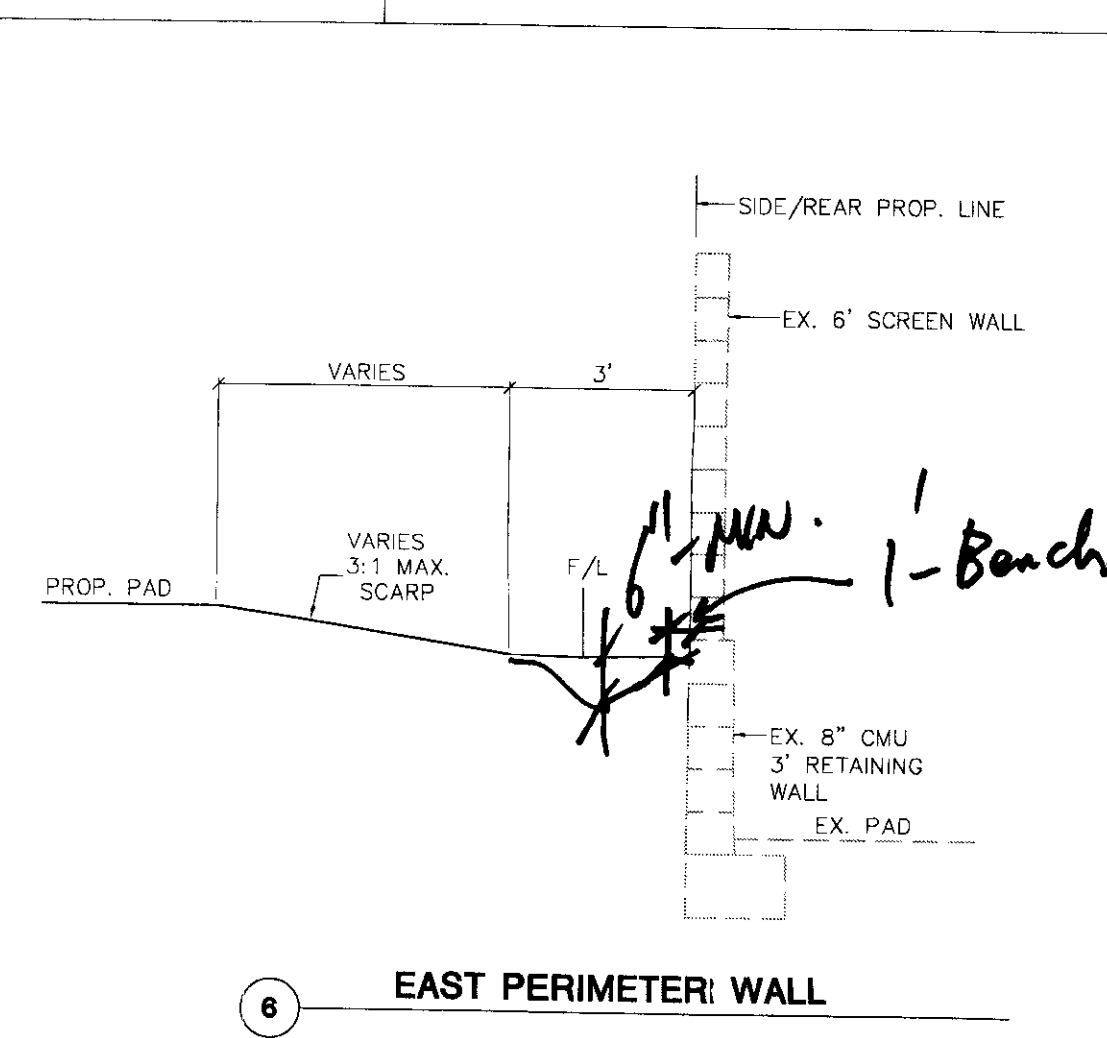
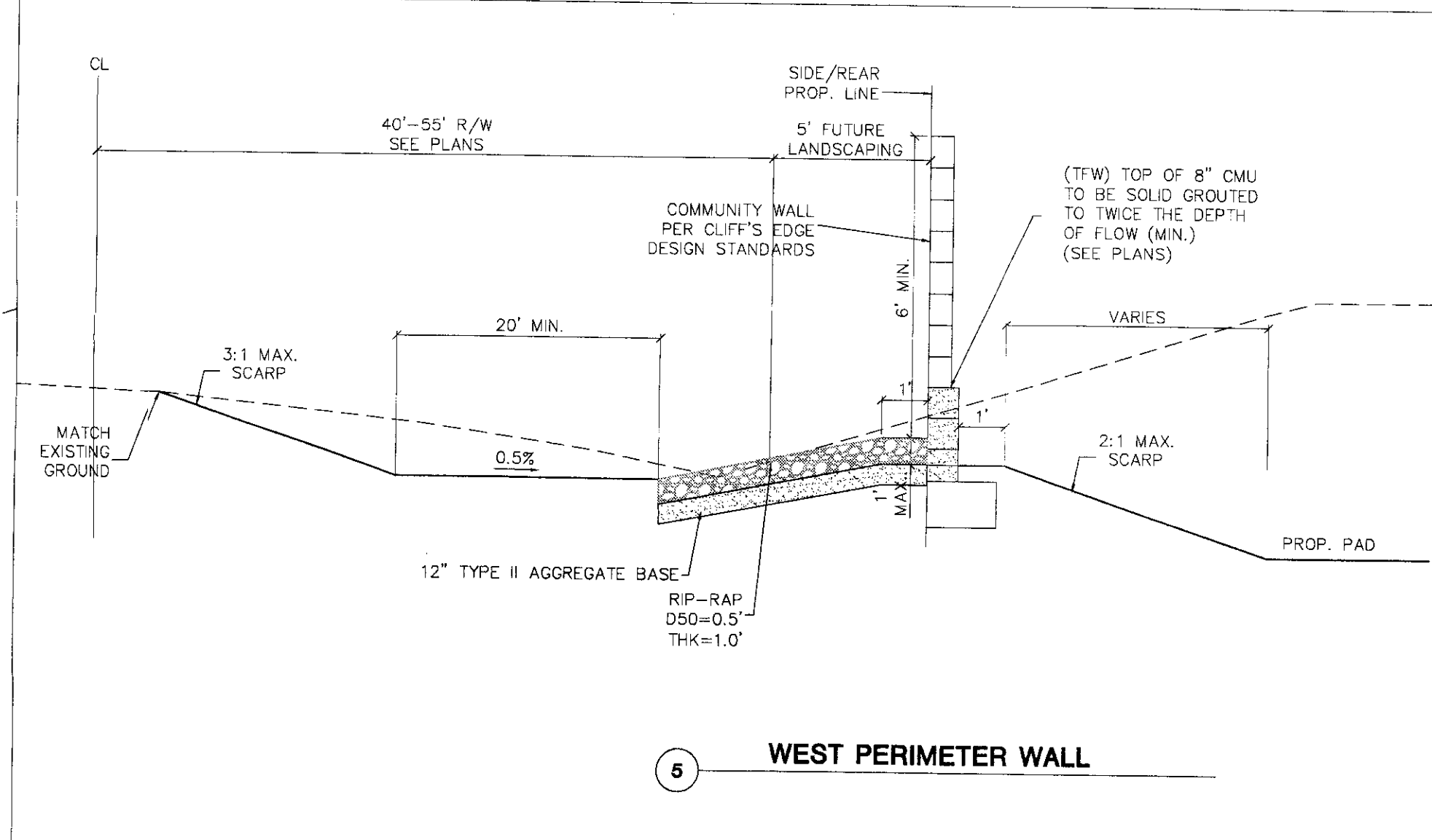
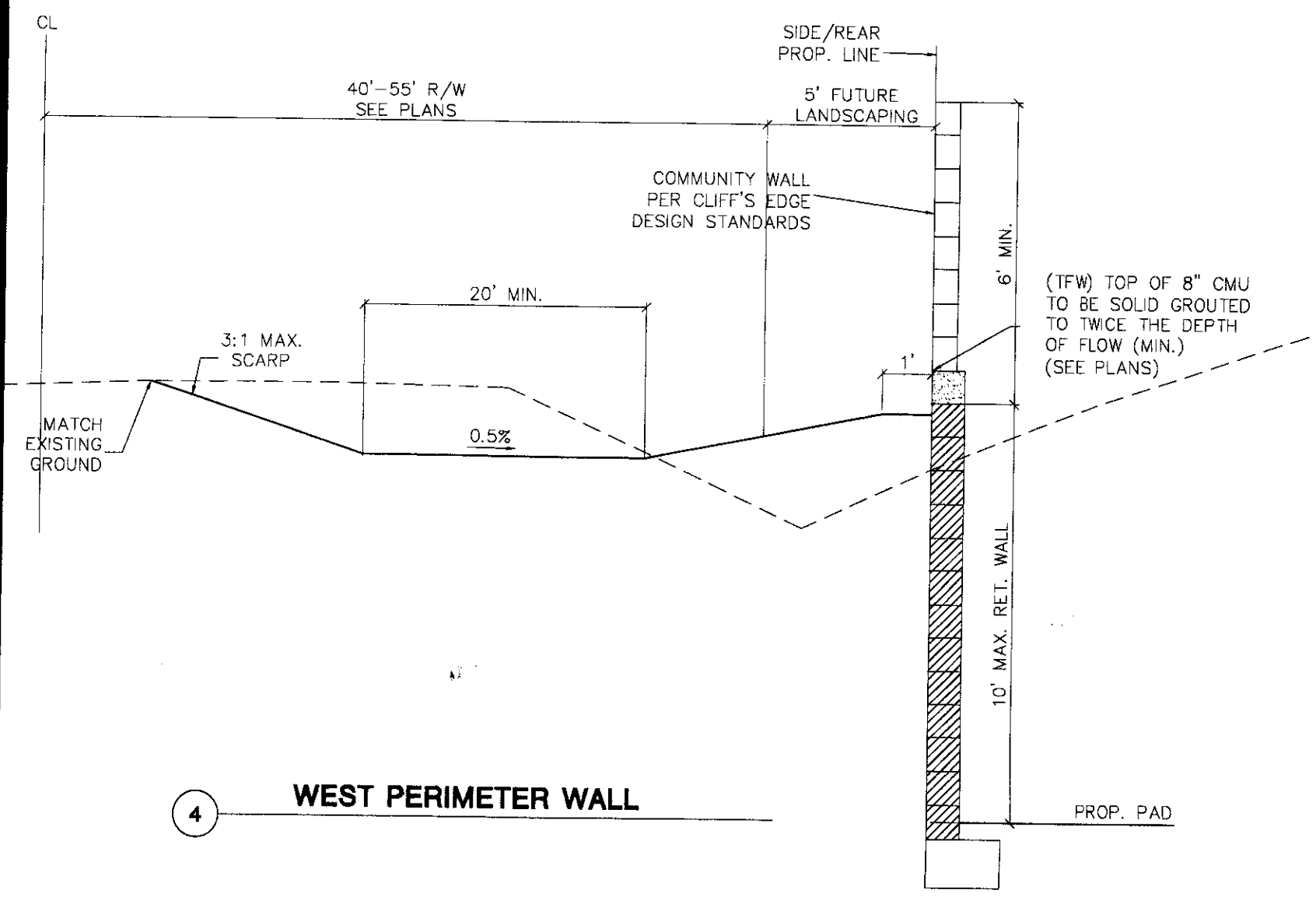
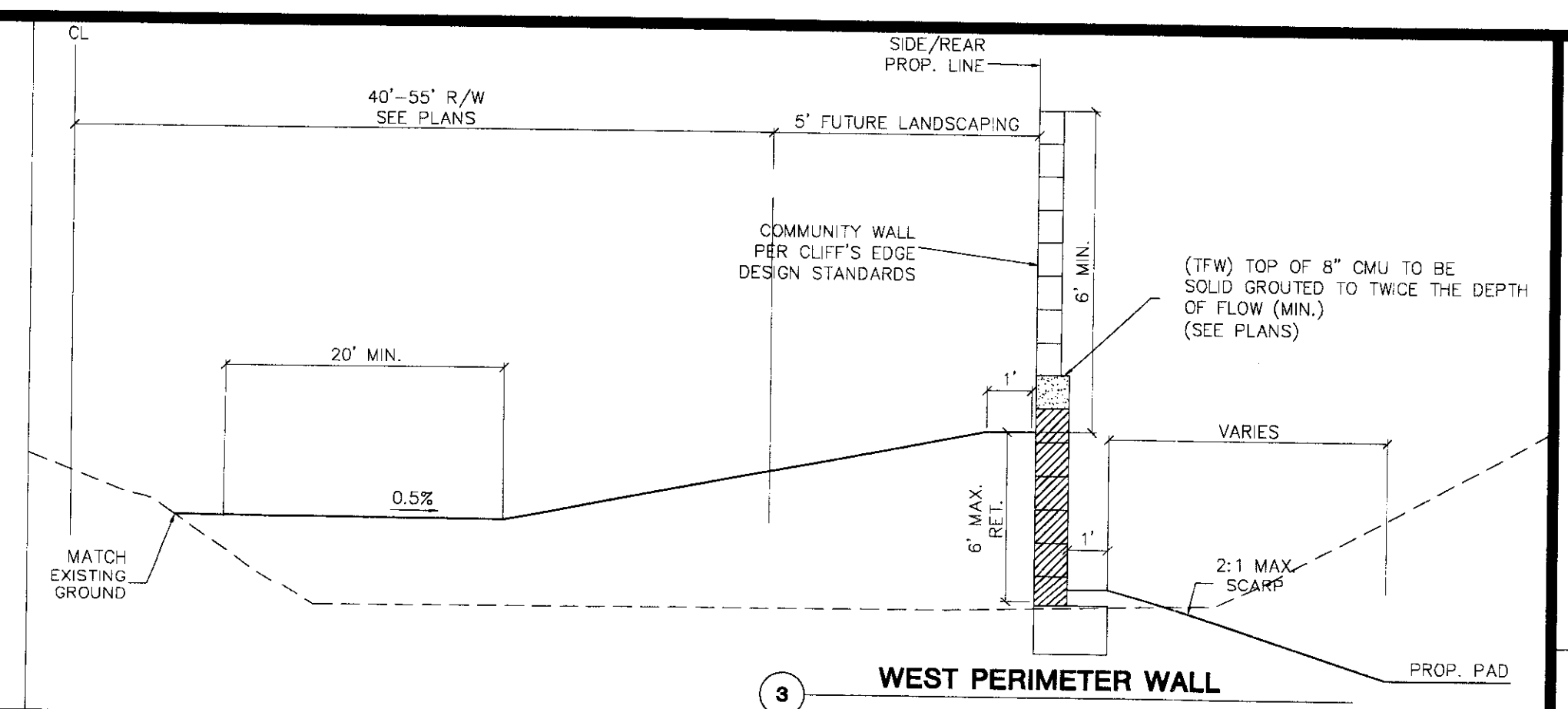
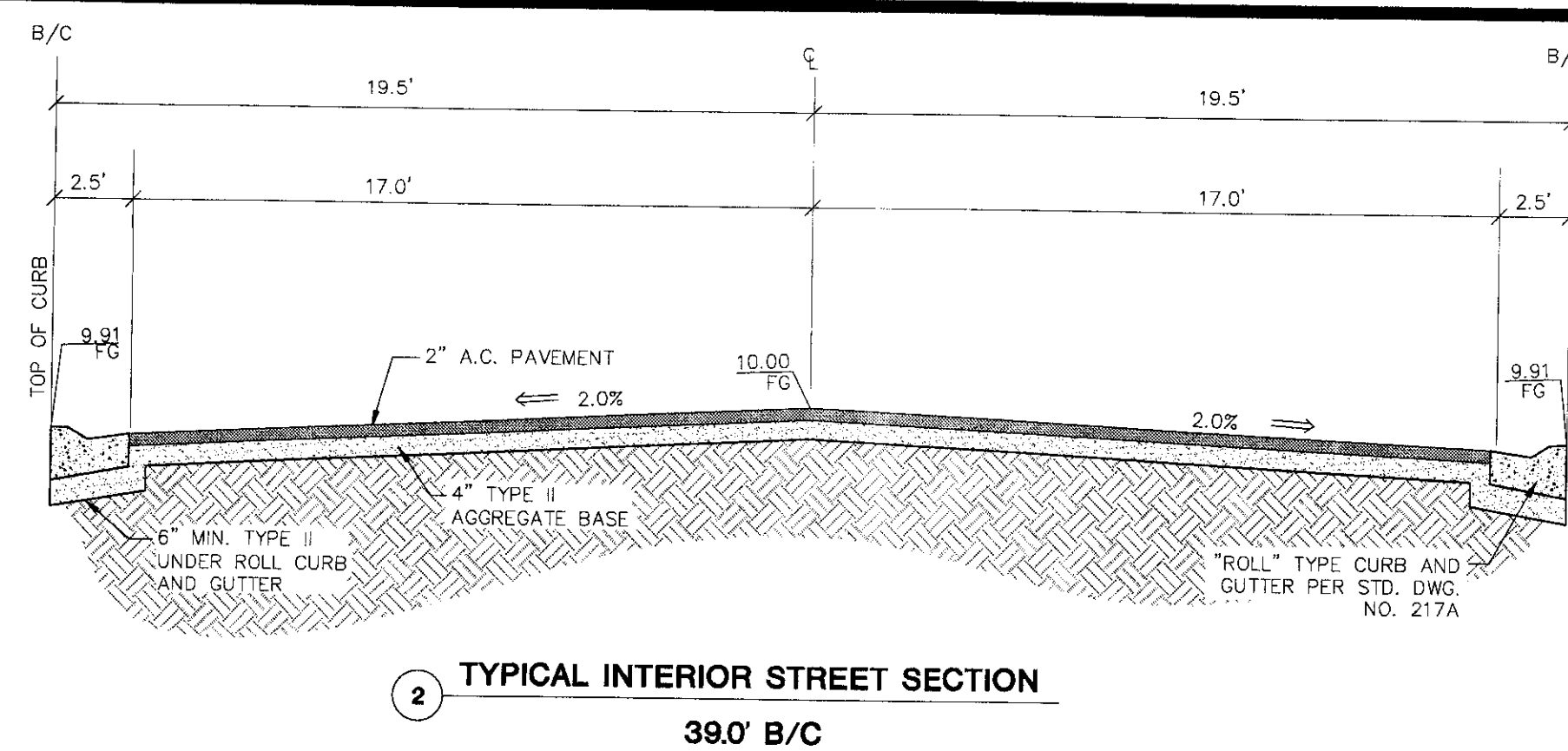
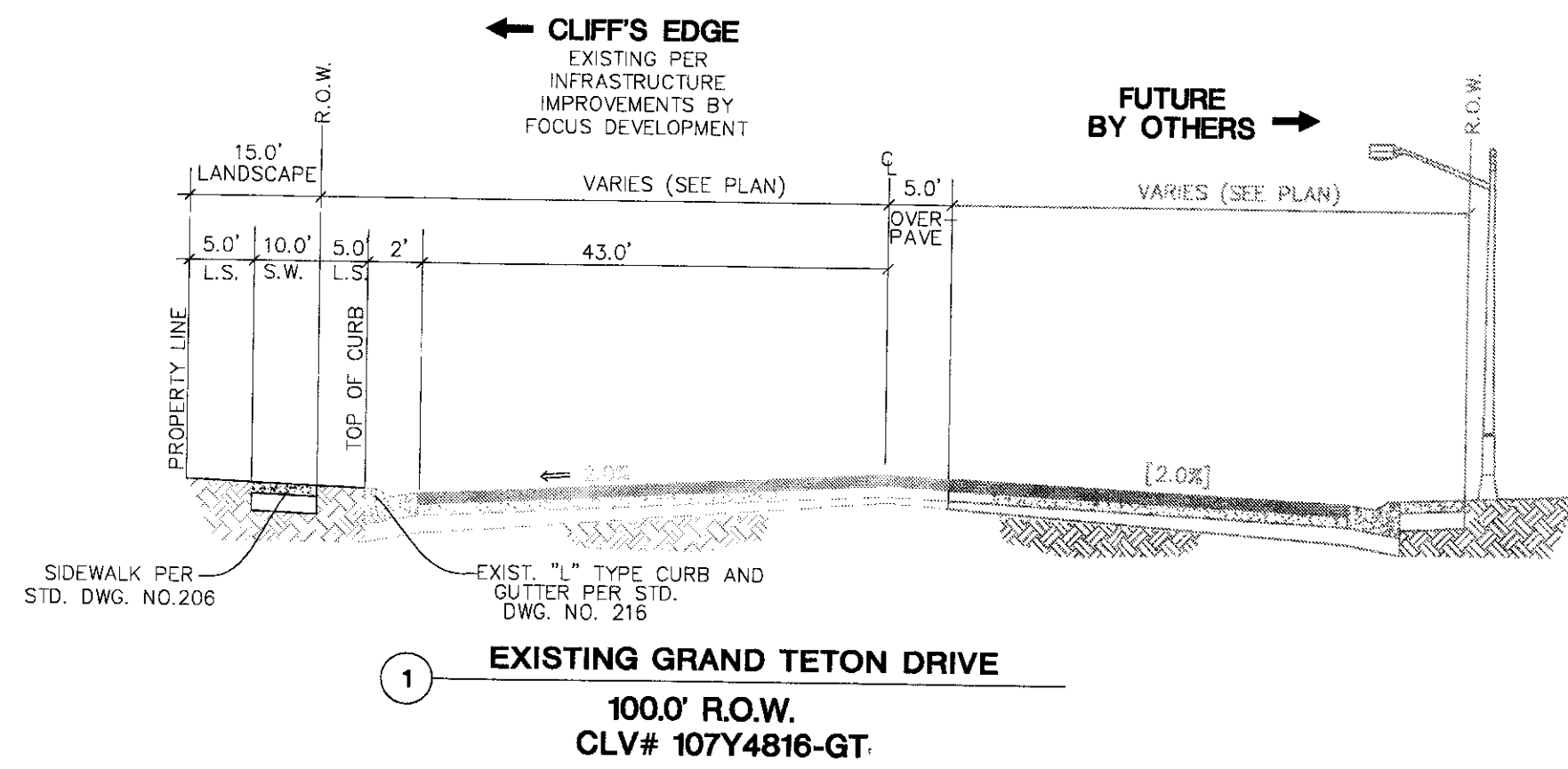
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7511
1-702-229-6611
BASIS OF BEARING
THE BASIS OF BEARING FOR THIS PROJECT IS NORTH 00°00'00" EAST BEING THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDS' OFFICE IN FILE 123 AT PAGE 32.
PROJECT BENCHMARK
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD83)
CLARK COUNTY VERTICAL CONTROL: BLVD 1084
MAJOR ELEVATION: 842.624 METERS (2764.47 FEET)
BLM CAP @ GRAND TETON & GRAND CANYON

CITY OF LAS VEGAS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH (702) 873-7550 FAX (702) 362-2957 WEB WWW.VTNV.COM
CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

KB HOME
5655 BADURA AVENUE
LAS VEGAS, NV 89118
(702) 266-8400

GRADING PLAN
CLIFF'S EDGE
POD 201 AND 203
UNIT 5
DESIGNED BY: OCT. '10
CHECKED BY: OCT. '10
PROJECT NO: 6335-5
SCALE: 1"=30' HORIZ. 1"=10' VERT.
SHEET G2
OF SHEETS
DRAWING NO.





KB HOME
5845 SADDLERIDGE DRIVE
LAS VEGAS, NV 89116
(702) 266-8400

CITY OF LAS VEGAS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH: (702) 873-7550 FAX: (702) 362-2597 WEB: WWW.VTNV.COM
CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

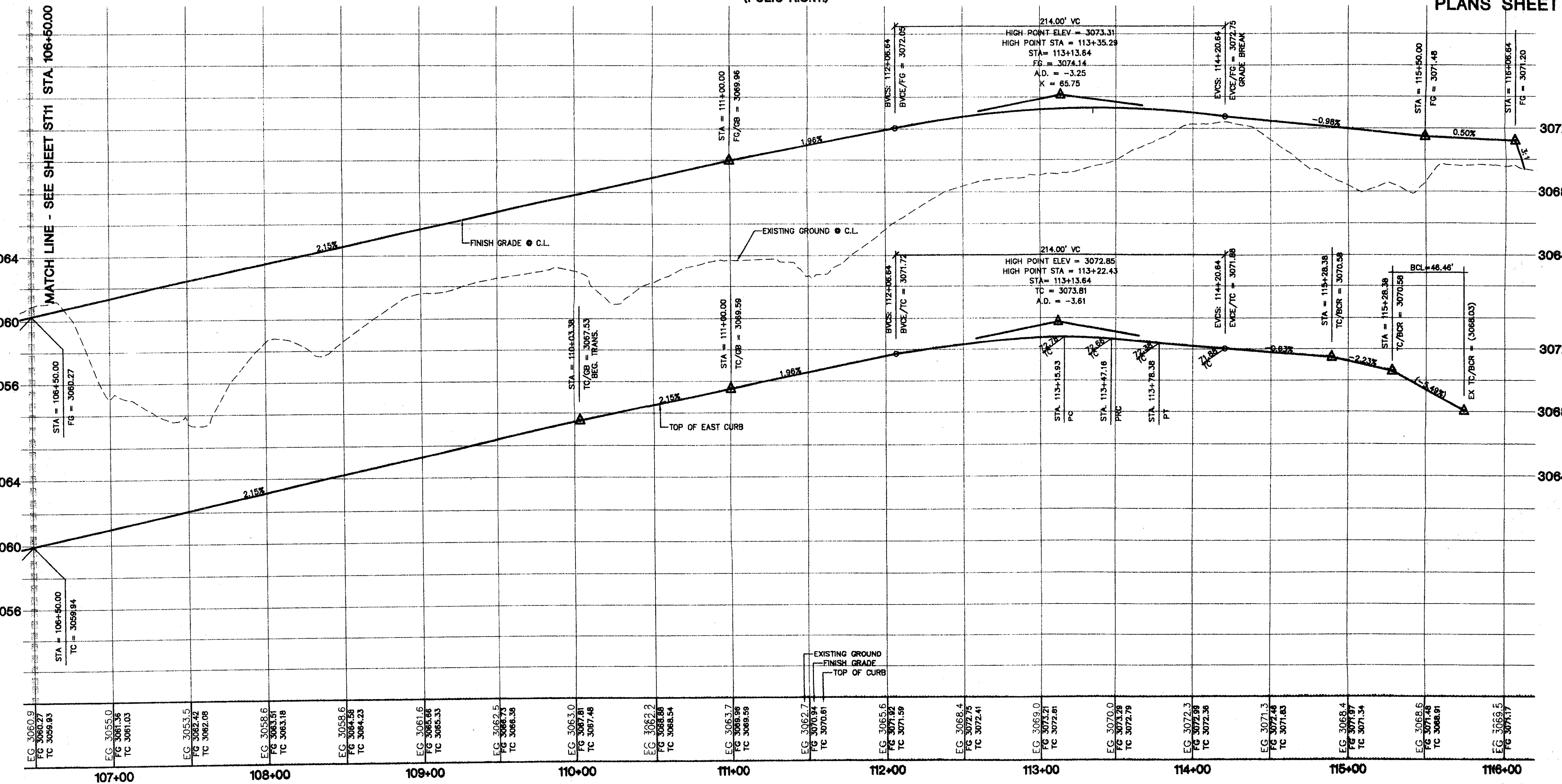
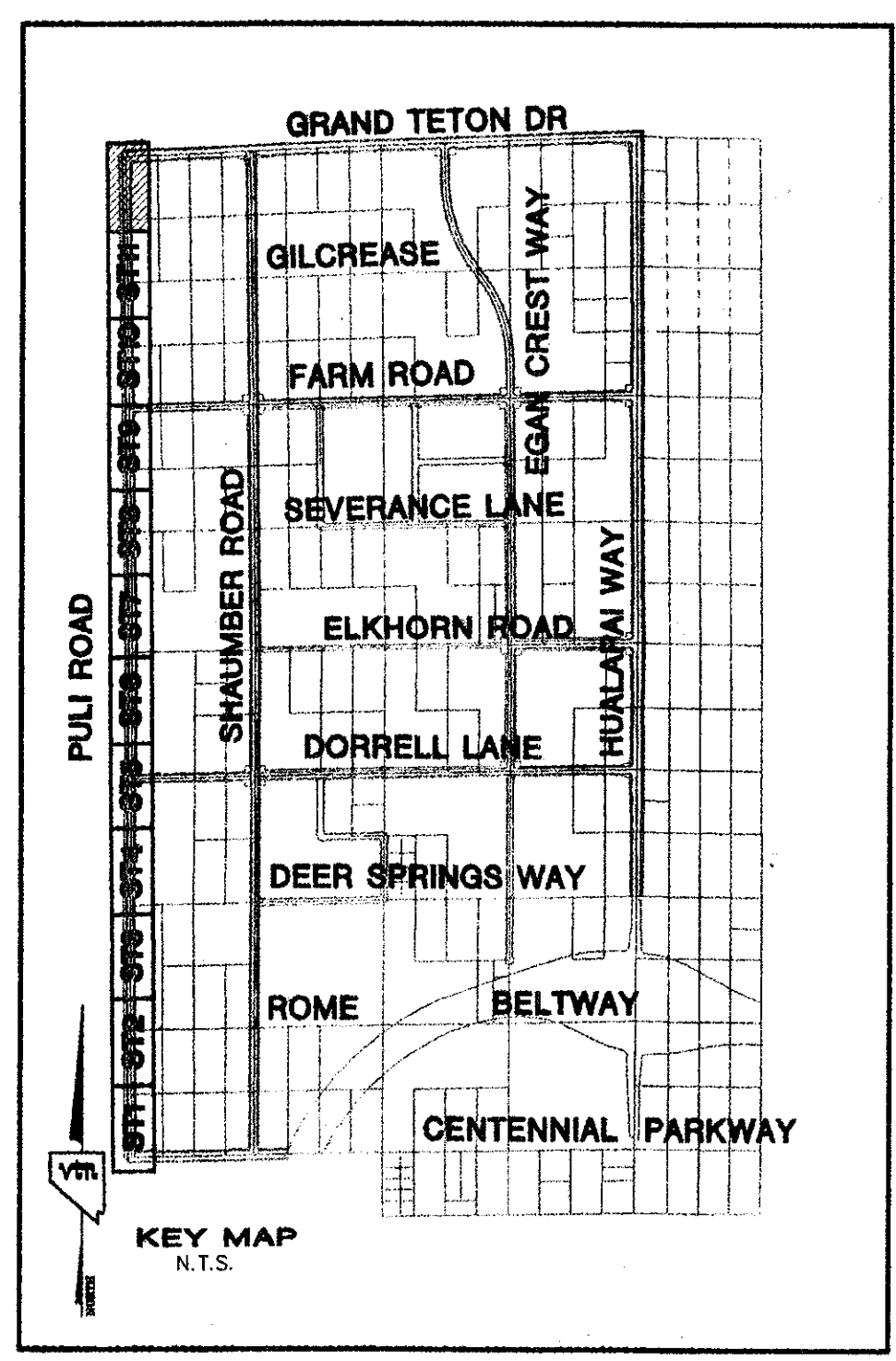
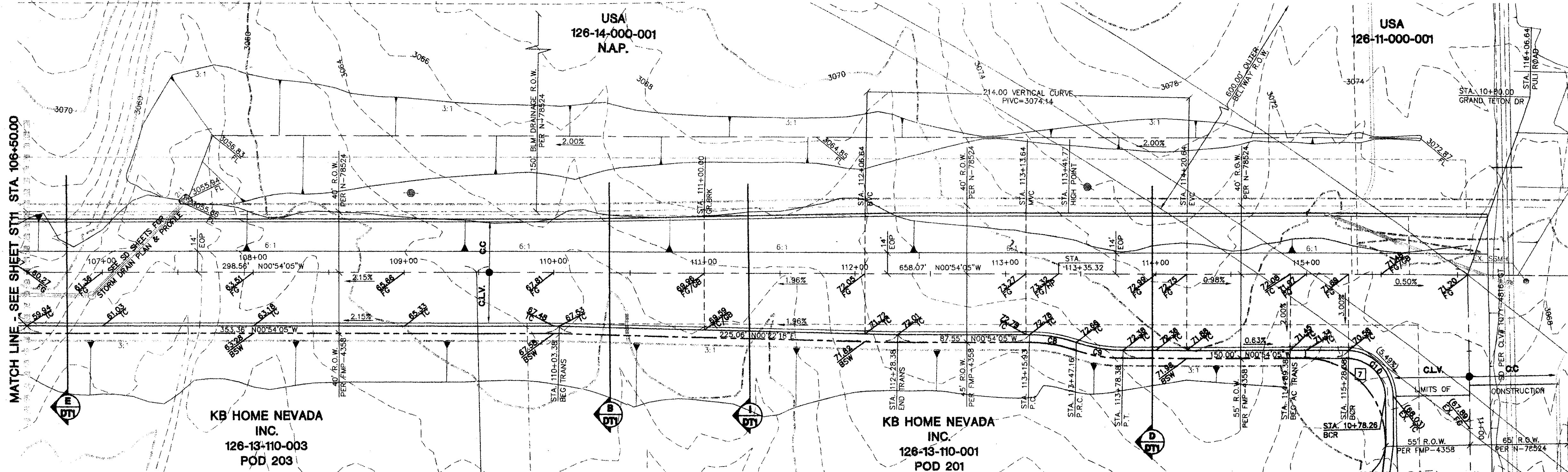
GRADING DETAILS
CLIFF'S EDGE
POD 201 AND 203
UNIT 5

DRAWN BY: R.M.S. OCT. '10
DESIGNED BY: R.M.S. OCT. '10
CHECKED BY: K.N. OCT. '10
PROJECT NO: 6335-5
SCALE: 1"=30' HORIZ. 1"=3' VERT.
EXPIRES 12-31-11

PROFESSIONAL ENGINEER
KENNETH F. WATSON
CIVIL
NO. 10639
EXPIRES 12-31-11

SHEET
D1
OF SHEETS
DRAWING NO.

This grading plan is a part of drainage study # 4501 which was received on 2/9/11 and App'd on 2/17/11 Page 3 of 3



CURVE TABLE

NO.	LENGTH	RADIUS	DELTA	TANGENT
C1	47.41	30.00	90°32'26"	30.28
C2	31.78	100.00	18°11'42"	16.01
C3	31.78	100.00	18°11'42"	16.01
C4	46.33	30.00	88°29'17"	29.22
C5	47.92	30.00	91°30'43"	30.80
C6	46.75	30.00	89°18'41"	29.62
C7	47.87	30.00	91°28'54"	30.76
C8	31.78	100.00	18°11'42"	16.01
C9	31.78	100.00	18°11'42"	16.01
C10	46.48	30.00	88°44'20"	29.35
C11	38.97	30.00	89°19'04"	24.70
C12	39.57	25.00	90°40'58"	25.30

SIDEWALK RAMPS

NO.	"A"	"B"	CASE
1	4.5'	21.5'	II

CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES
 Acceptance of plans for filing
 By *Josh Schuman* 12-14-05
 Acceptance of these plans for filing shall not be construed to be a permit for or an approval of any violation of any of the provisions of the state or county laws and/or specifications. Clark County shall be held free from damages which may result from the construction of the improvements from the engineering design depicted herein.
 NOTE: Power poles and/or other existing facilities not in proper location based on proposed improvements shown herein will be re-located at no expense to Clark County.

Call before you Dig
 1-702-455-7511
 CLARK COUNTY TRAFFIC OPERATIONS
 AND
 1-702-229-6811
 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig
 1-800-227-2600

Call before you Overhead
 1-702-227-2929

BASIS OF BEARINGS
 THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°08'16" EAST BEING THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

PROJECT BENCHMARK
 PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
 CLARK COUNTY VERTICAL CONTROL: 1000:6N6
 NAVD88 ELEVATION: 787.794 METERS (2584.62 FEET)

RIVET AND SQUARE ALUMINUM PLATE IN A CONCRETE CYLINDER, LOCATED 25' SOUTH & 50' EAST OF GRAND CANYON DRIVE AND RED COACH AVENUE, 1' WEST OF ELECTRICAL VAULT.

CITY OF LAS VEGAS BENCHMARK
 DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
 CITY OF LAS VEGAS BENCHMARK: BLY99:13SES
 NAVD88 ELEVATION: 869.806 METERS (2853.03 FEET)

RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN

NOTE: ADD 0.34' TO ABOVE CITY OF LAS VEGAS BENCHMARK BLY99:13SES TO MATCH ORIGINAL PROJECT BENCHMARK CLARK COUNTY BENCHMARK 1000-6N6 (2584.62 FEET) AS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 54.

* RAISE ALL EXISTING SANITARY SEWER MANHOLES TO GRADE - PROVIDE CONCRETE COLLAR FOR 80' R.O.W.

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.
 DANIEL J. HODG NO. 12811 DATE 11-7-05

CLIFFS EDGE LLC
 3455 CLIFF SHADOWS PARKWAY, SUITE 290
 LAS VEGAS, NEVADA 89129
 (702) 777-1221

STREET PLAN & PROFILE
PULI ROAD
 STA. 106+50.00 TO 116+06.64

CLIFFS EDGE / PROVIDENCE
PULI ROAD - PHASE I

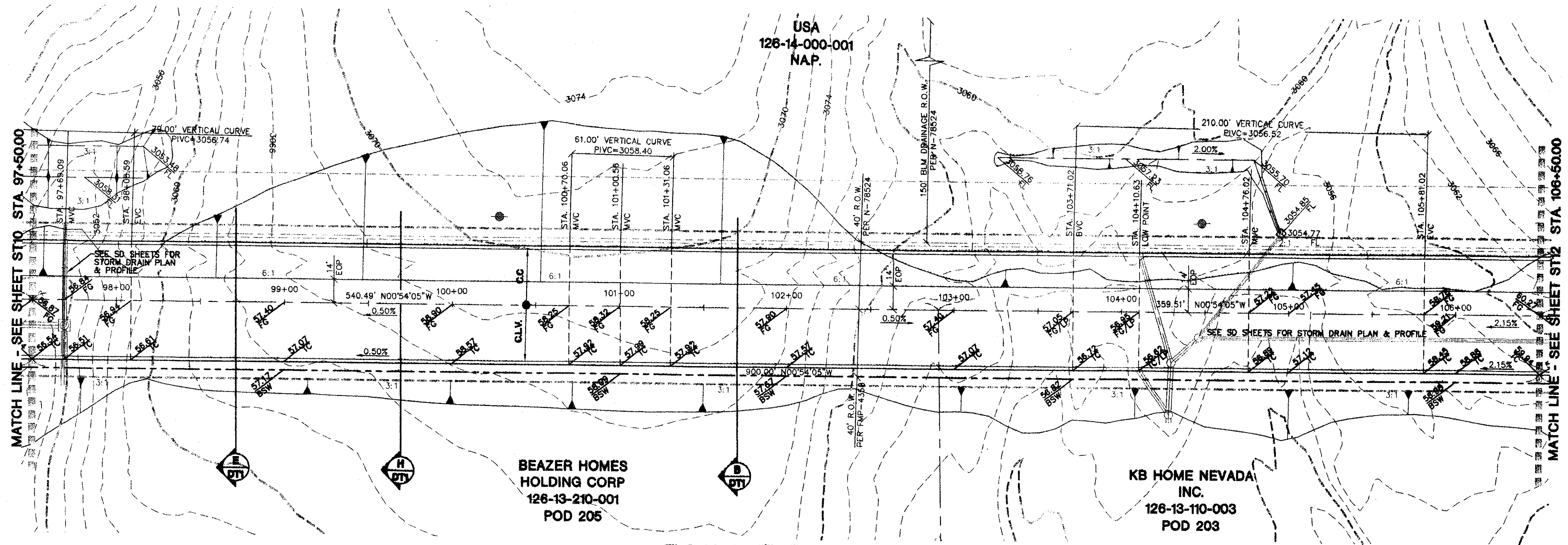
DRAWN BY: M.V.P. JUNE 04
 DESIGNED BY: B.F. JUNE 04
 CHECKED BY: L.M. JUNE 04
 PROJECT NO: 5969
 SCALE: 1"=40' HORIZ.
 1"=4' VERT.

EXPIRES: 06-30-07

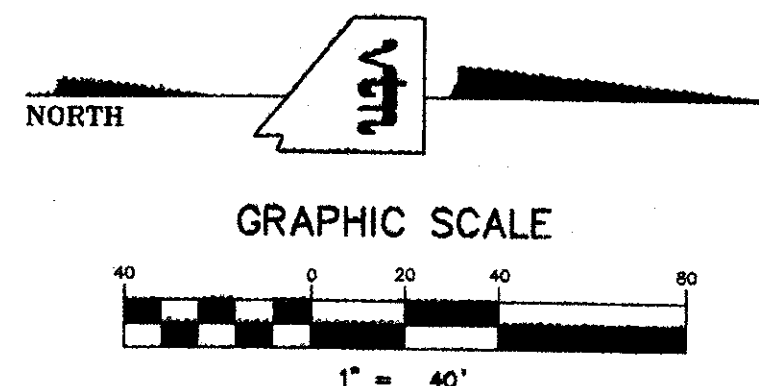
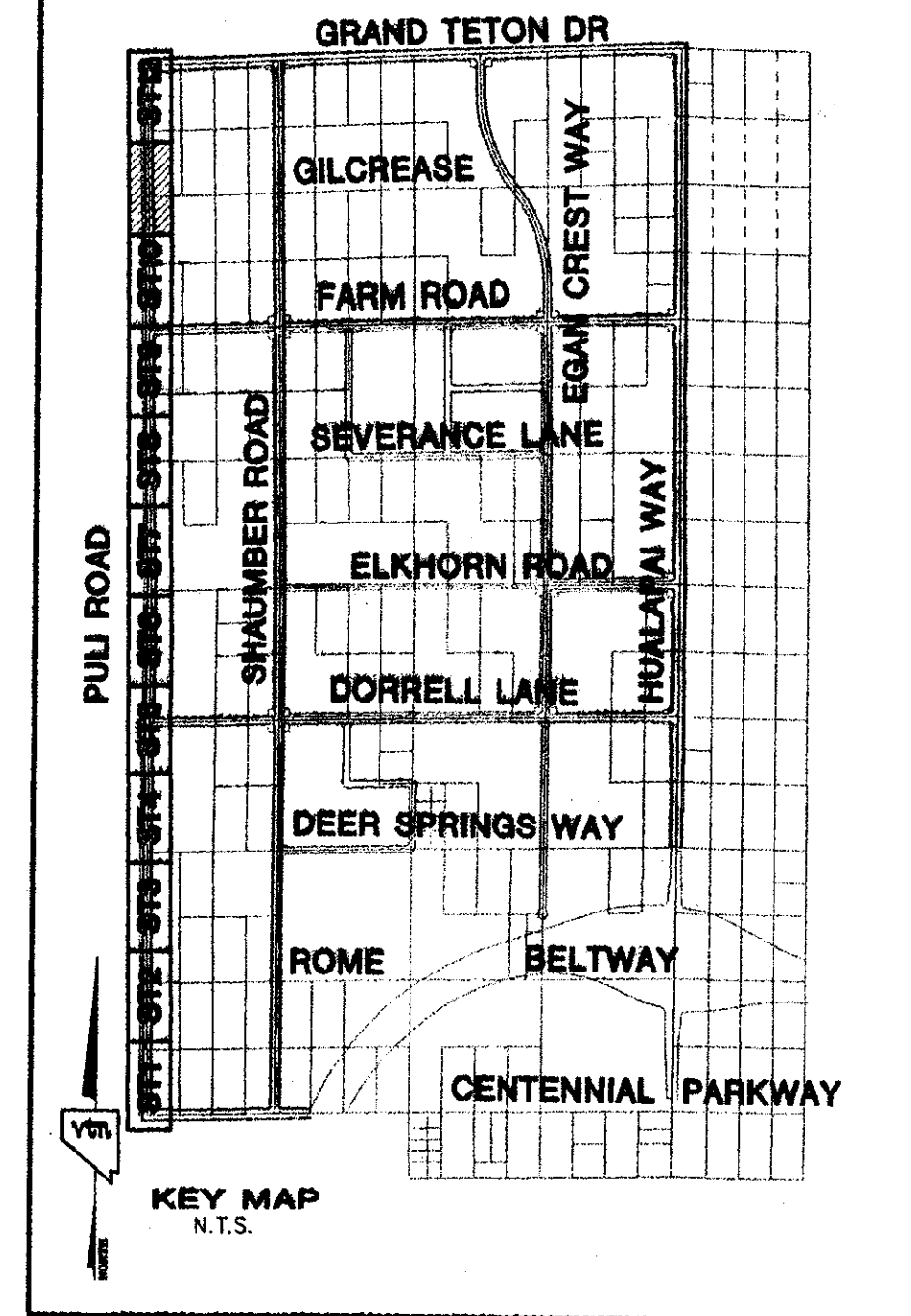
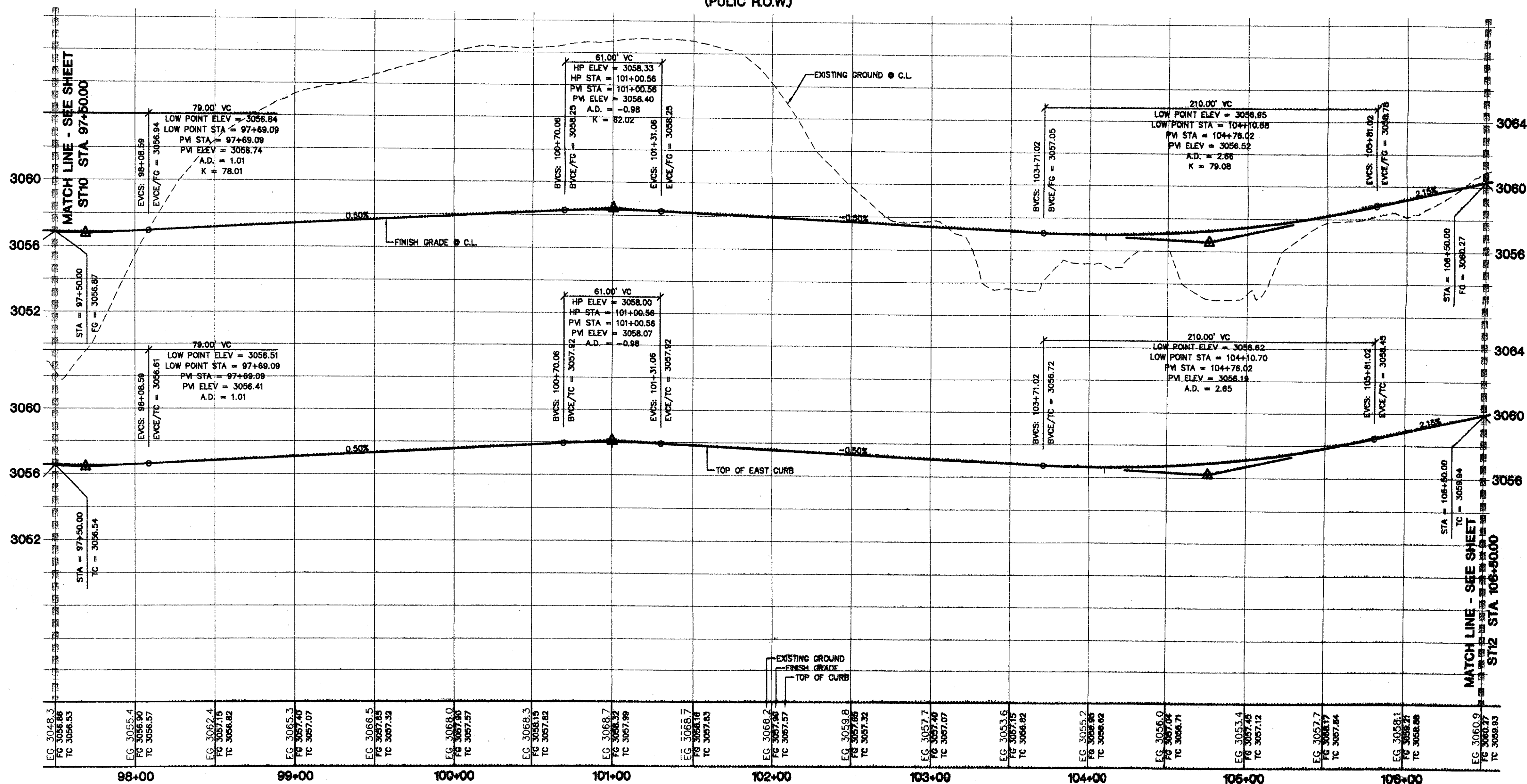
PROFESSIONAL ENGINEER STATE OF NEVADA
 NO. 12811 (POWER)
 DANIEL J. HODG
 SHEET
 ST12
 15 OF 40 SHEETS
 DRAWING NO.
 1574-4816-FR1

REVISION
 1 DATE BY
 2
 3
 4
 5
 6
 7

5969 PULI 5969ST-PULLING(S12)



PULI ROAD (PULIC R.O.W.)



CONTRACTOR NOTE:
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

Call before you Dig
1-702-465-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-223-0611
FREEWAY AND INTERNAL SYSTEM OF TRANSPORTATION

CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES
Acceptance of plans for filing
By: *Jack B. Berman* 12-14-05
Acceptance of these plans for filing shall not be construed to be a permit for or an approval of any violation of any of the provisions of the state or county laws and/or specifications. Clark County shall be held free from damages which may result from the construction of the improvements from the engineering design depicted herein.
NOTE: Power poles and/or other existing facilities not in proper location based on proposed improvements shown herein will be re-located at no expense to Clark County.

Call before you Dig
1-800-227-2600

Call before you Overhead
1-702-227-2929

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°06'18" EAST BEING THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, N.M.P.M. CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

PROJECT BENCHMARK
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
CLARK COUNTY VERTICAL CONTROL: 1000-6N8
NAV88 ELEVATION: 787.794 METERS (2584.82 FEET)

RIVET AND SQUARE ALUMINUM PLATE IN A CONCRETE CYLINDER, LOCATED 25' SOUTH & 50' EAST OF GRAND CANYON DRIVE AND RED COUCH AVENUE, 1' WEST OF ELECTRICAL VAULT.

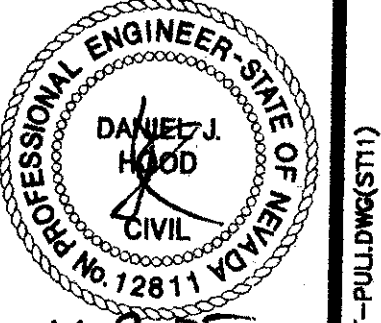
CITY OF LAS VEGAS BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88)
CITY OF LAS VEGAS BENCHMARK: BLV98-135ES
NAV88 ELEVATION: 859.608 METERS (2821.03 FEET)

RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN

NOTE: ADD 0.34' TO ABOVE CITY OF LAS VEGAS BENCHMARK: BLV98-135ES TO MATCH ORIGINAL PROJECT BENCHMARK, CLARK COUNTY BENCHMARK 1000-6N8 (2584.82 FEET) AS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 84.

"I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT." 0535871
DANIEL J. HODD NO. 12811 DATE 11-7-05

CLIFFS EDGE LLC 3455 CLIFF SHADOWS PARKWAY, SUITE 280 LAS VEGAS, NEVADA 89129 (702) 777-1221		CITY OF LAS VEGAS, NEVADA 2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH. (702) 873-7550 FAX (702) 382-2597 nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS	
STREET PLAN & PROFILE PULI ROAD STA 97+50.00 TO 106+50.00		CLIFFS EDGE / PROVIDENCE PULI ROAD - PHASE I	
DRAWN BY: JUNE 04	DESIGNED BY: JUNE 04	CHECKED BY: JUNE 04	PROJECT NO: 9989
EXPIRES 06-30-07		SCALE: 1"=40' HORIZ 1"=4' VERT.	
SHEET ST11 14 OF 40 SHEETS		DRAWING NO. 10744816-P2-1	



HTF# 05-42782