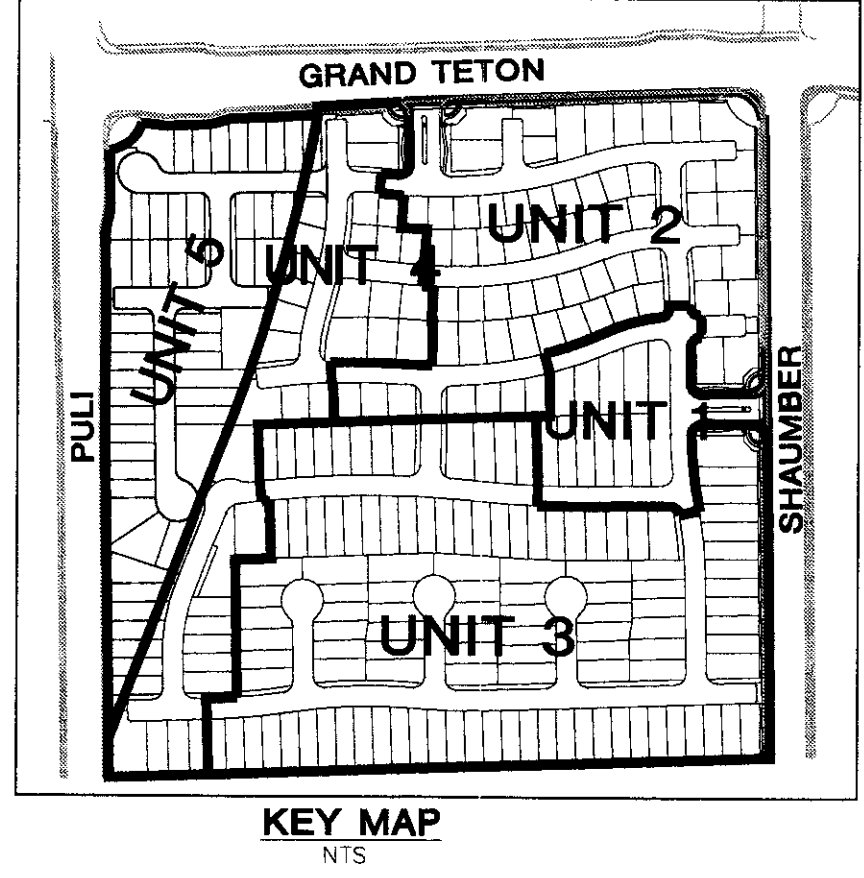
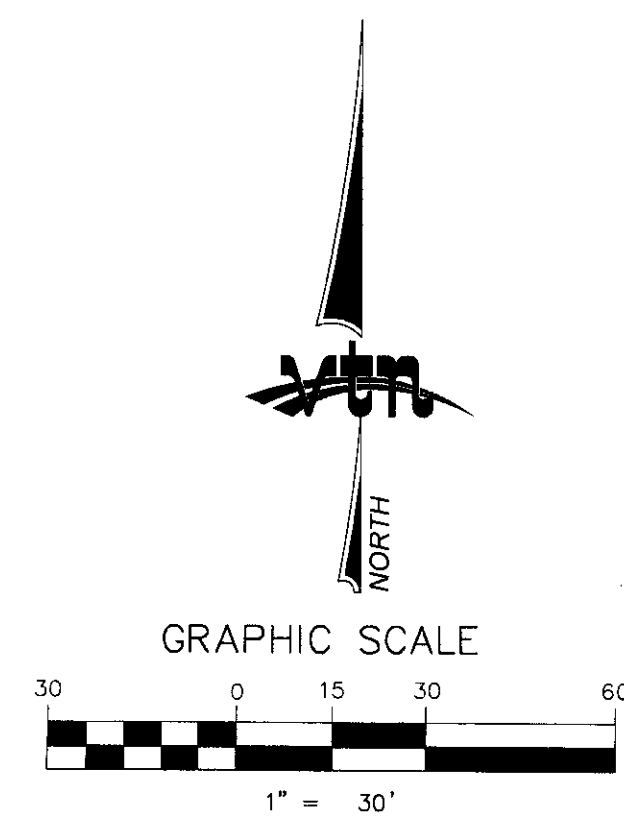
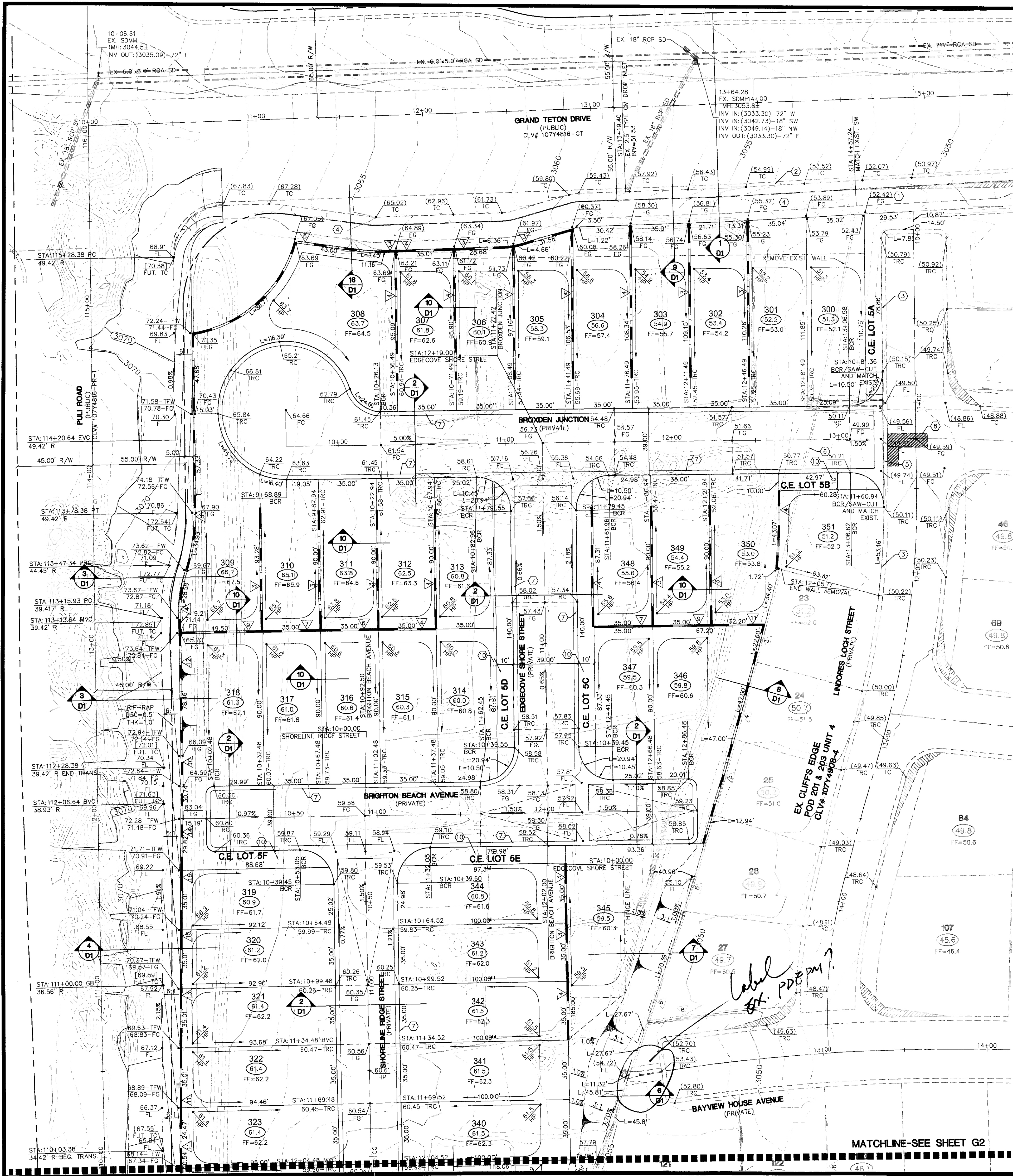




RETAINING WALL TABLE	
NUMBER OF COURSES	HEIGHT OF RETAINING WALL
1	1.00'-1.67'
2	1.67'-2.34'
3	2.34'-3.01'
4	3.01'-3.68'
5	3.68'-4.35'
6	4.35'-5.02'
7	5.02'-5.69'
8	5.69'-6.36'
9	6.36'-7.03'
10	7.03'-7.70'
11	7.70'-8.37'
12	8.37'-9.04'
13	9.04'-9.71'
14	9.71'-10.38'

NOTE:

- 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

LEGEND		
DESCRIPTION	PROPOSED	EXISTING
CONTOUR (5' INTERVAL)	-2450	-2450
CONTOUR (1' INTERVAL)		-2450
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 DEPRESSURED 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

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. RAINBOW AVENUE
SUITE 100
LAS VEGAS, NV 89116
(702) 266-8400

GRADING PLAN

CLIFF'S EDGE
POD 201 AND 203
UNIT 5

DESIGNED BY: KEN NICHOLSON

CHECKED BY: KEN NICHOLSON

PROJECT NO: 6335-5

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

DATE: 10/10/10

REVISION: 1

PROFESSIONAL ENGINEER

KEN NICHOLSON

CIVIL

NO. 10539

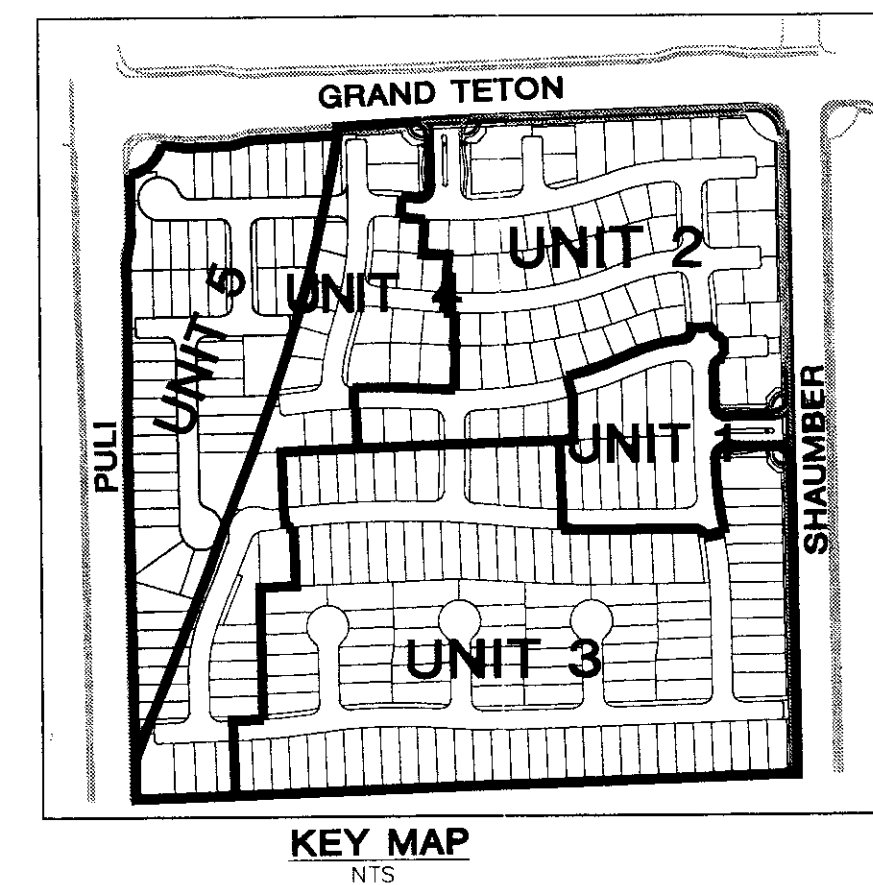
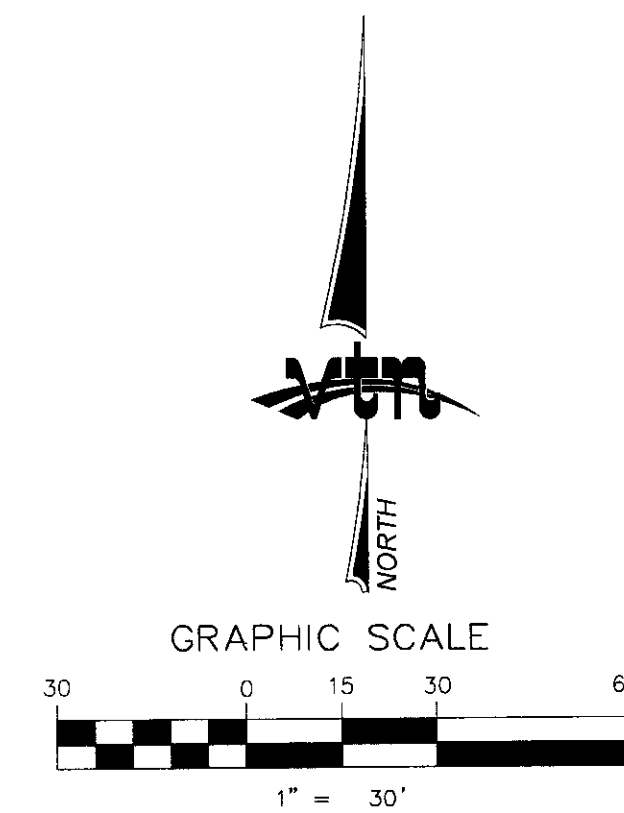
EXPIRES 12-31-11

SHEET

G1

OF SHEETS

DRAWING NO.



RETAINING WALL TABLE	
NUMBER OF COURSES	HEIGHT OF RETAINING WALL
3	1.00" - 1.67'
4	1.67" - 2.34'
5	2.34" - 3.01'
6	3.02" - 3.68'
7	3.69" - 4.35'
8	4.36" - 5.02'
9	5.03" - 5.69'
10	5.70" - 6.36'
11	6.37" - 7.03'
12	7.04" - 7.70'
13	7.71" - 8.37'
14	8.38" - 9.04'
15	9.05" - 9.71'
16	9.72" - 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	_____	_____	_____
SLOPE AND FLOW DIRECTION			
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 DEPRESSSED 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 EASEMENTS TO BE PRIVATELY MAINTAINED BY THE 'HOMEOWNERS' ASSOCIATION. WIDTH VARIES FROM 53.56' TO 57.65'. SEE DETAIL 13 SHEET D1

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

Avoid cutting underground
utility lines. It's costly.

**Call
before you
Dig**

1-800-227-2600

Avoid overhead power
line contact. It's costly.

**Call
before you
Overhead**

1-702-227-2929

This grading plan is a
 part of drainage study
 # 4501 which was receive
 on 2/1/11 and submitted on 2/1/11
 Call before you dig
 FOR TYPICAL STREET SECTIONS SEE SHEET 1
 ALL PRIVATE STREETS ARE P.U.E. PUBLIC SCHOOL
 EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE
 PROVIDED. UNPAVED ARE TO BE
 GRAVING CERTIFICATE NOTE
 I CERTIFY THAT THIS GRADING PLAN CONFORMS TO
 THE APPROVED DRAINAGE STUDY FOR THIS SITE ON
 FILE WITH THE CITY OF LAS VEGAS.

TRAFFIC OPERATIONS
ANG
2-29-6611
COMPUTERIZED TRAFFIC SYSTEM

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS PROJECT IS N00°00'16" EAST BE
EAST OF THE NORTHWEST QUARTER (NE 1/4)' OF THE SECTION 24,
SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON
OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE
123 AT PAGE 32.

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CLARK COUNTY VERTICAL CONTROL: BLV80:18N4
NAVD88 ELEVATION: 842.6124 METERS (2764.47 FEET)

BLM CAP @ GRAND TETON & MOUNT CANYON

KB HOME
1685 BADURA AVENUE
LAS VEGAS, NV 89118
(702) 264-8400

City of Las Vegas
2737 SOUTH TARBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH. (702) 871-7540 FAX (702) 862-2187 WEB WWW.VTNNY.COM
CONCRETE & BLASTERS AND SLUGS OPS

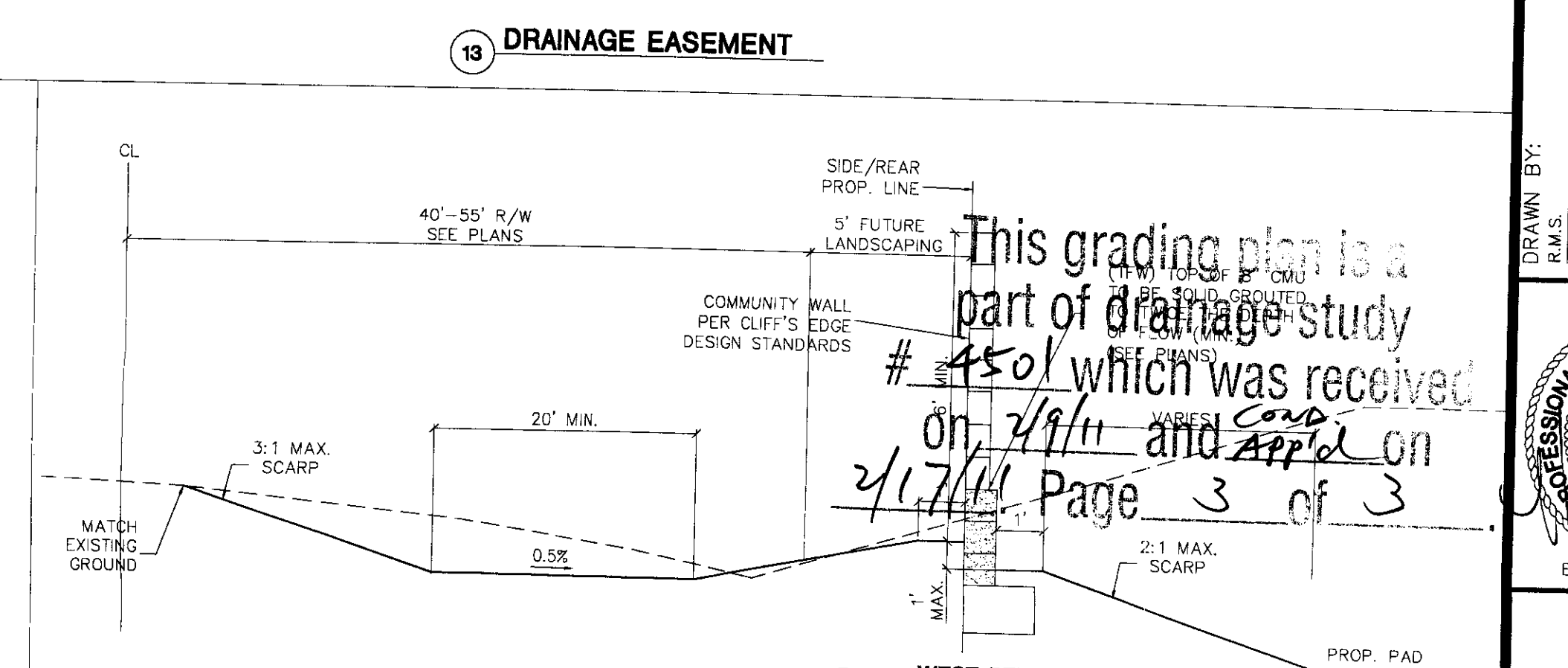
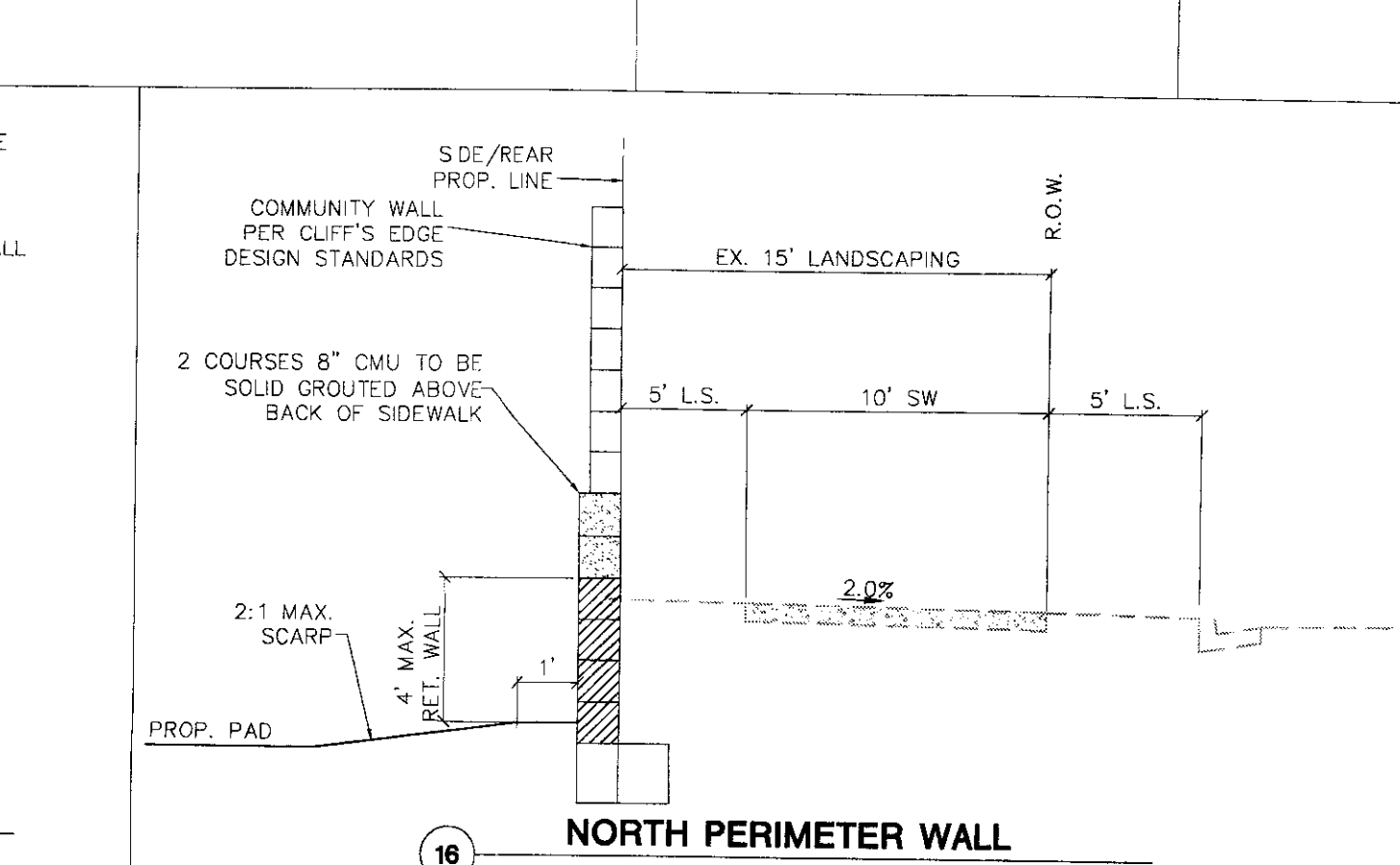
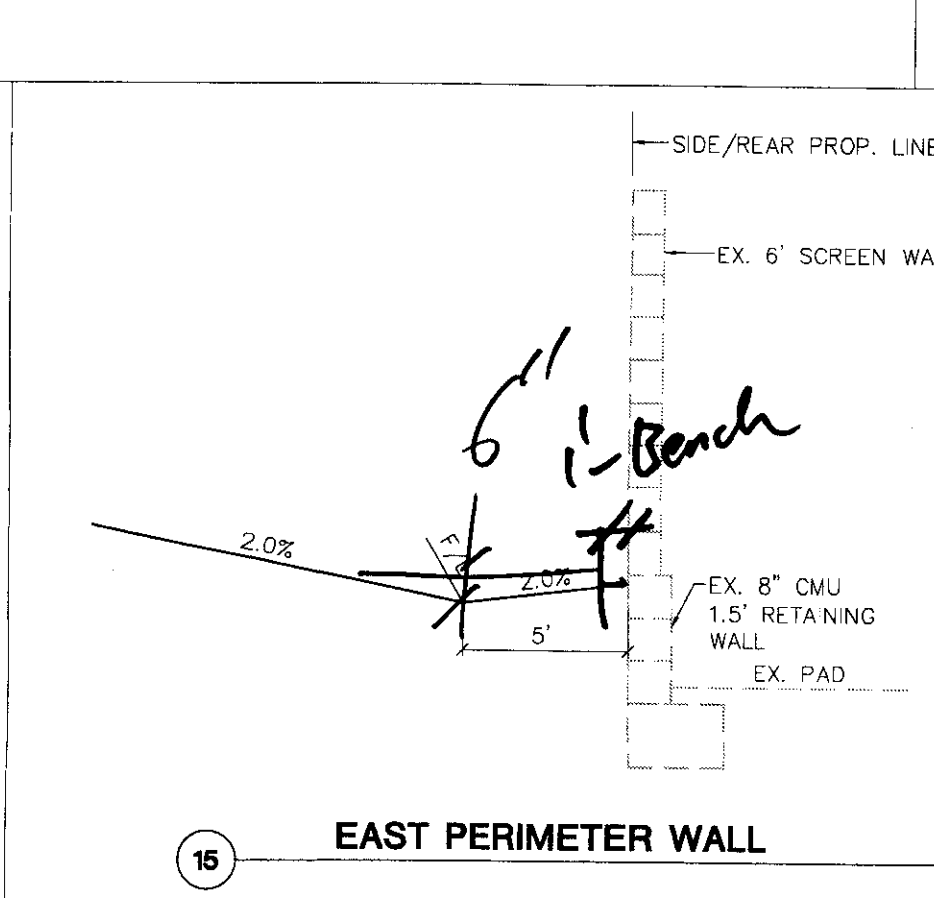
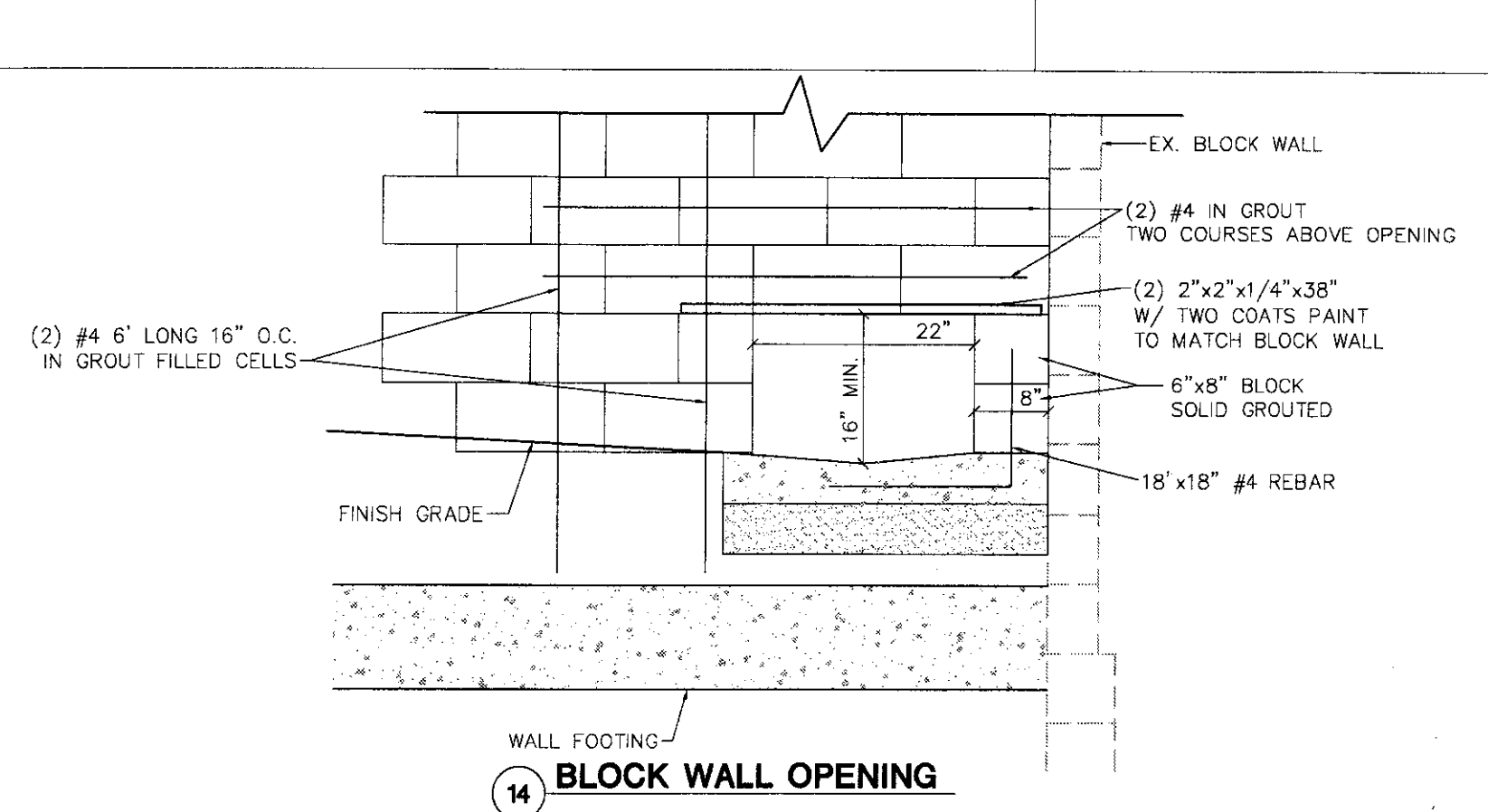
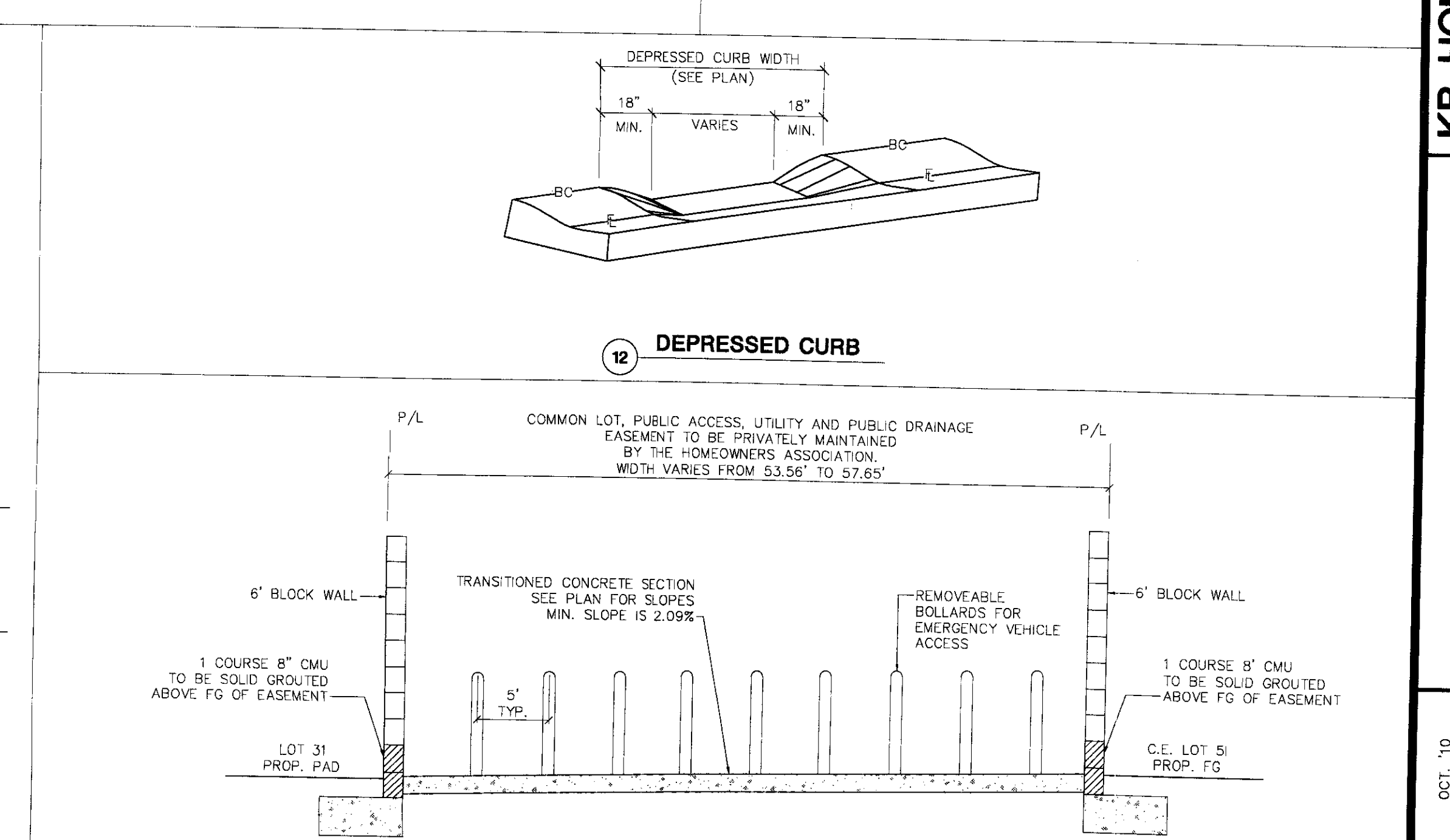
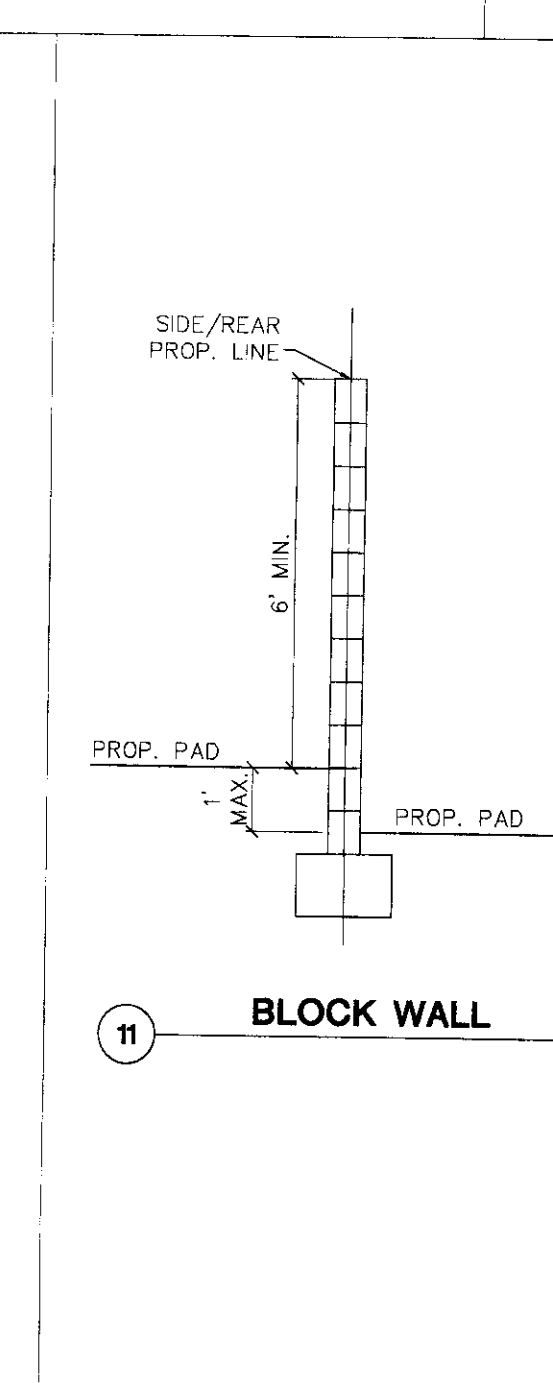
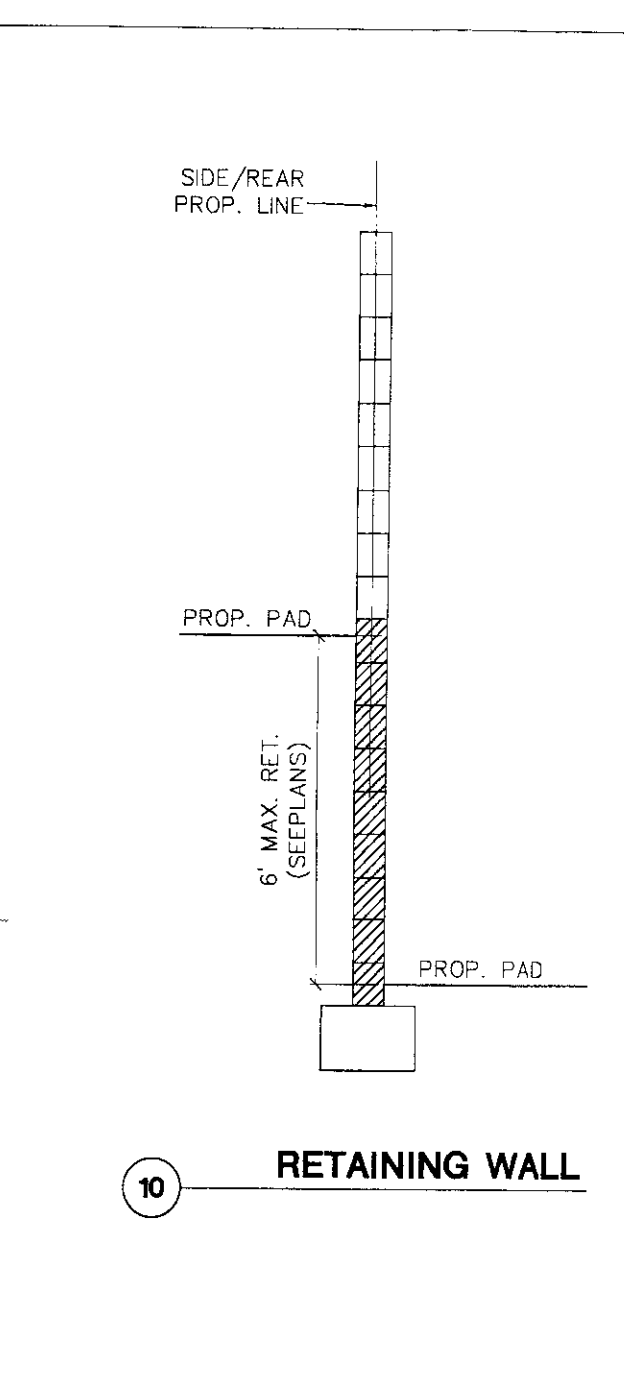
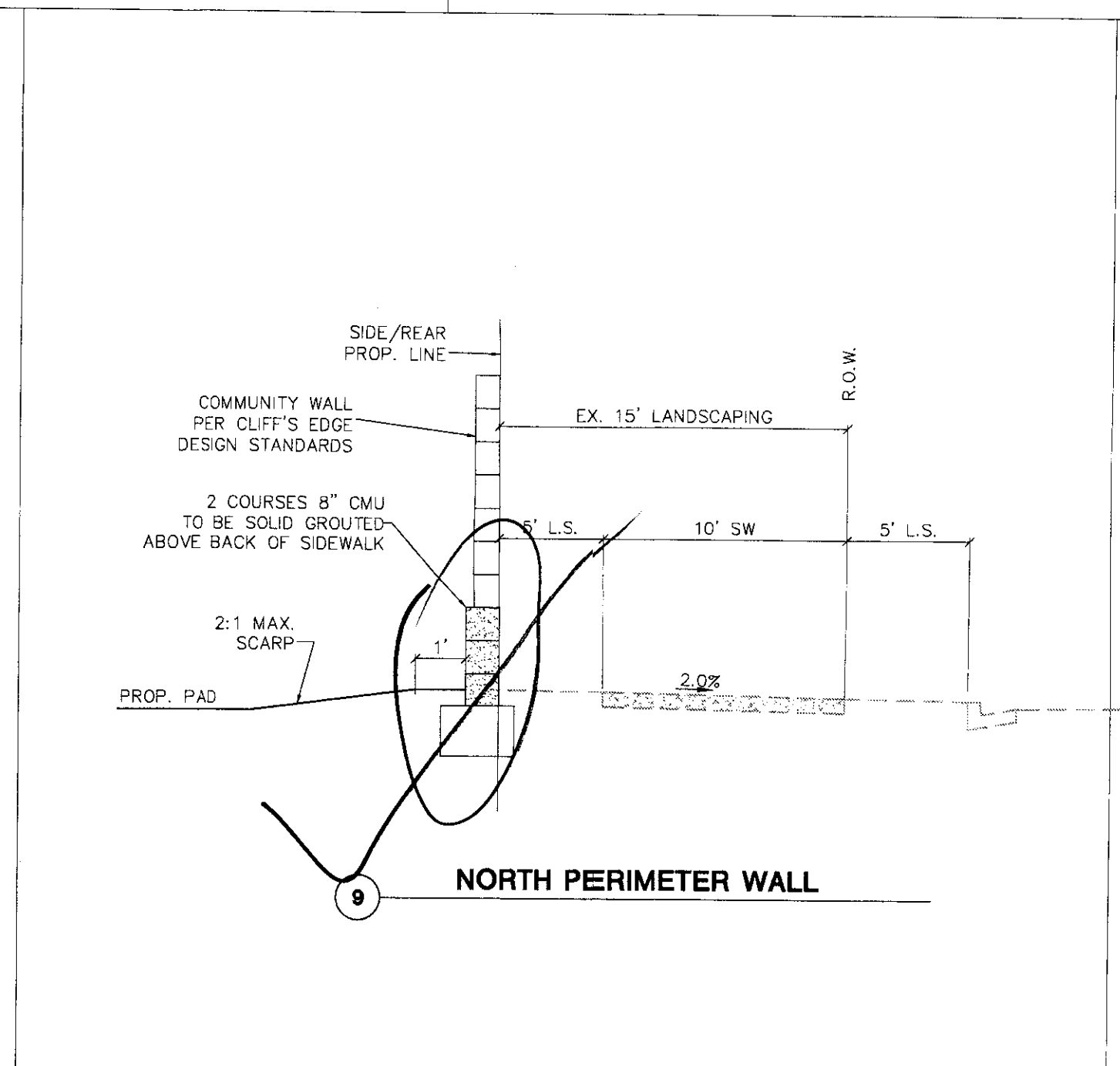
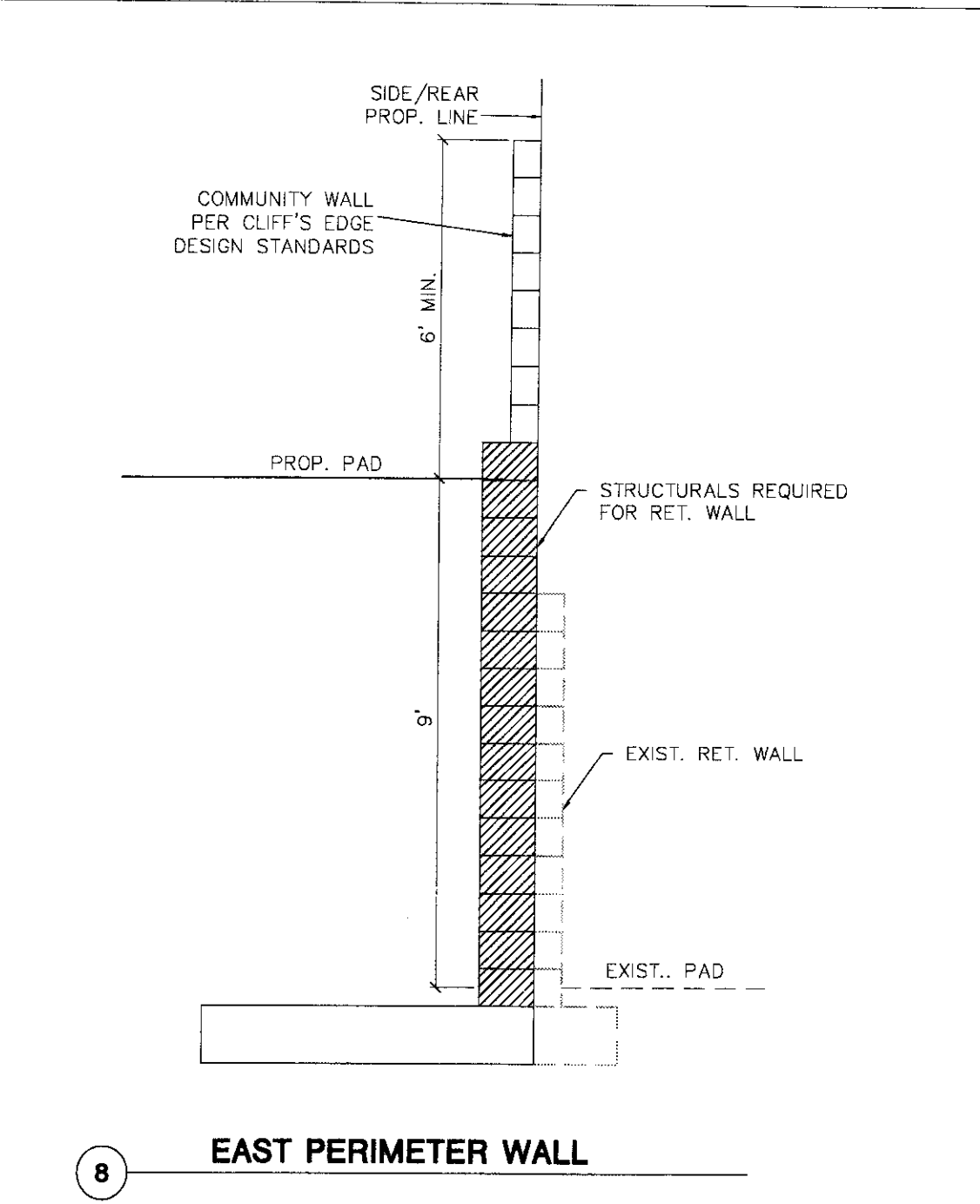
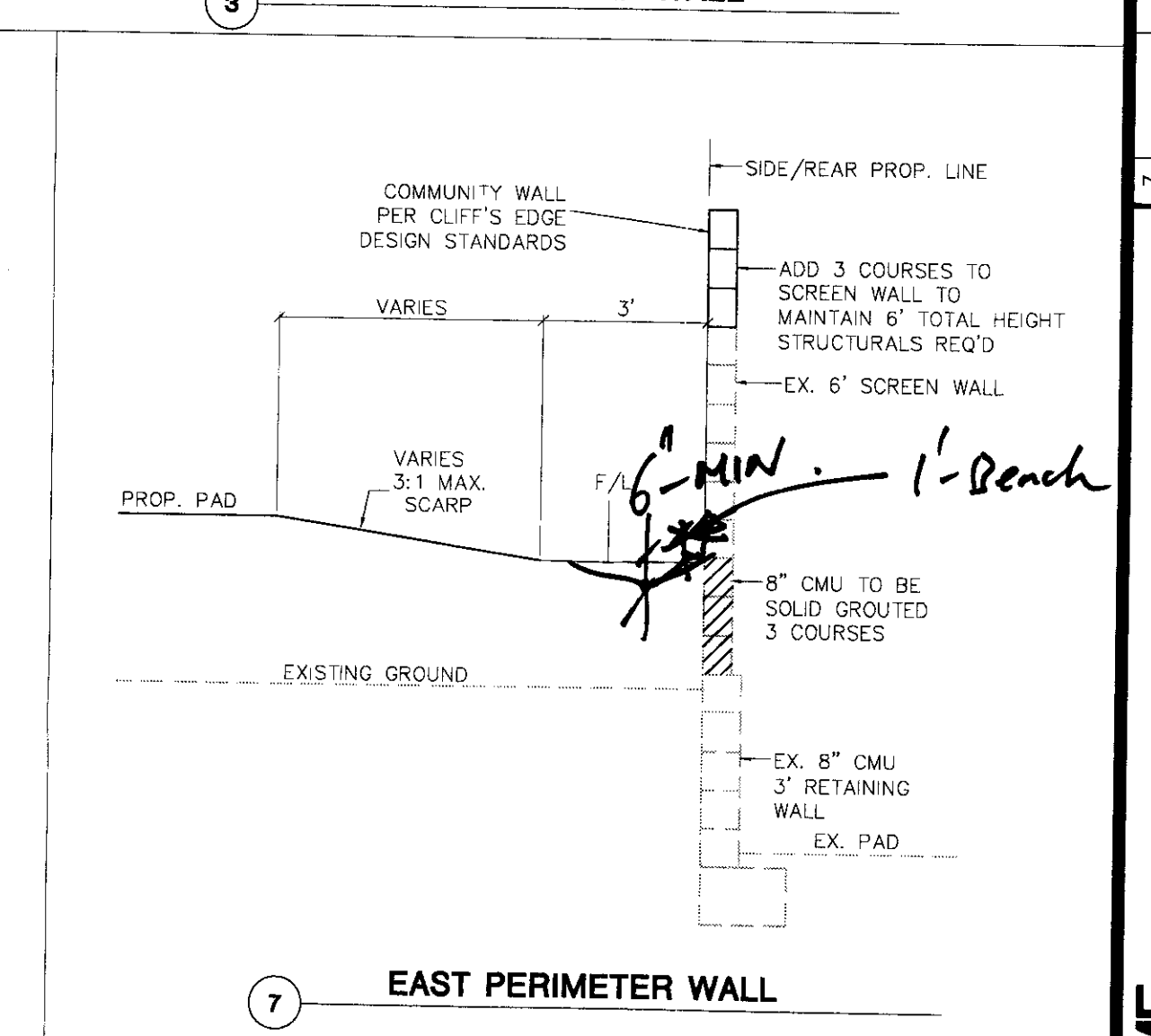
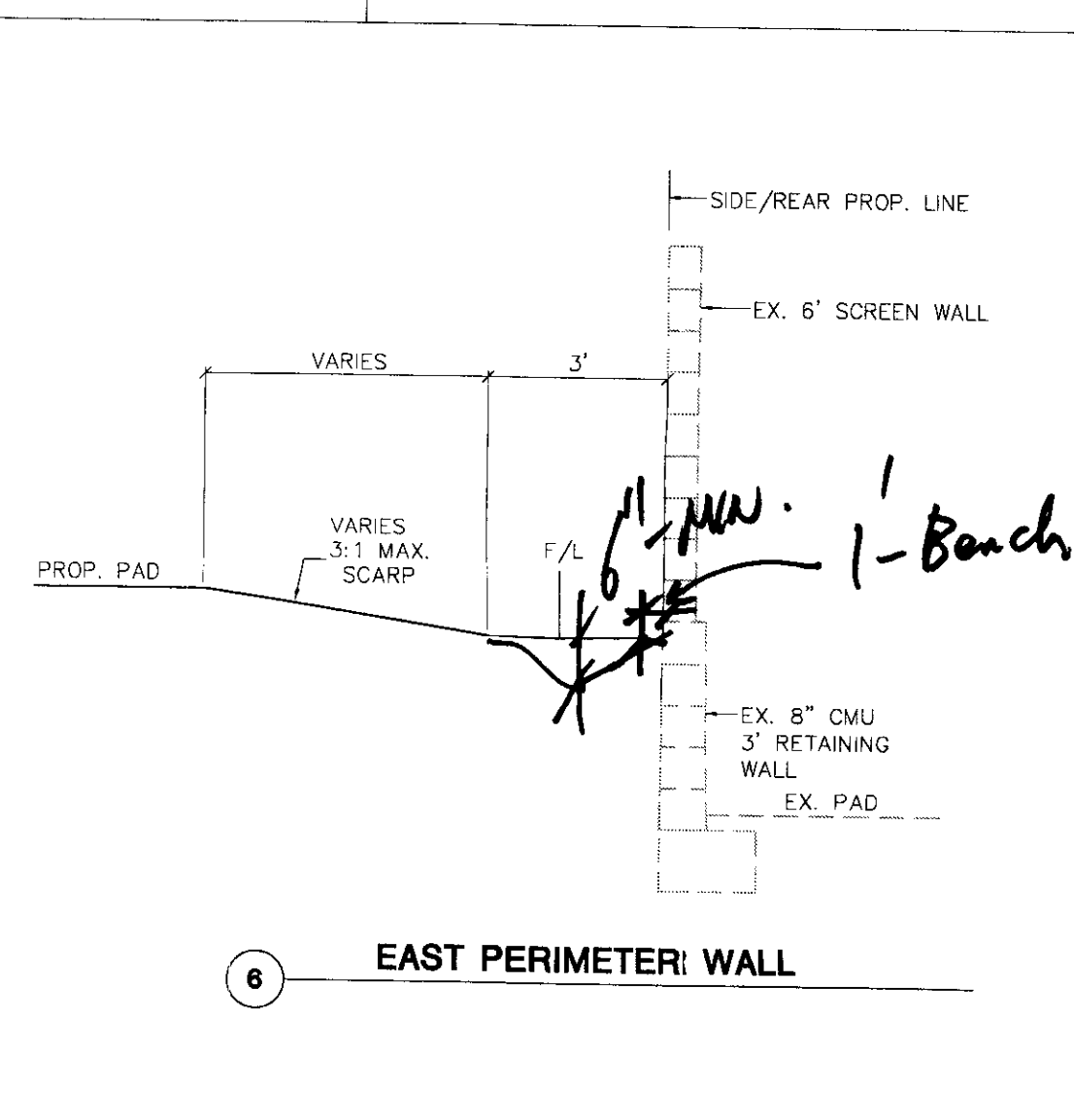
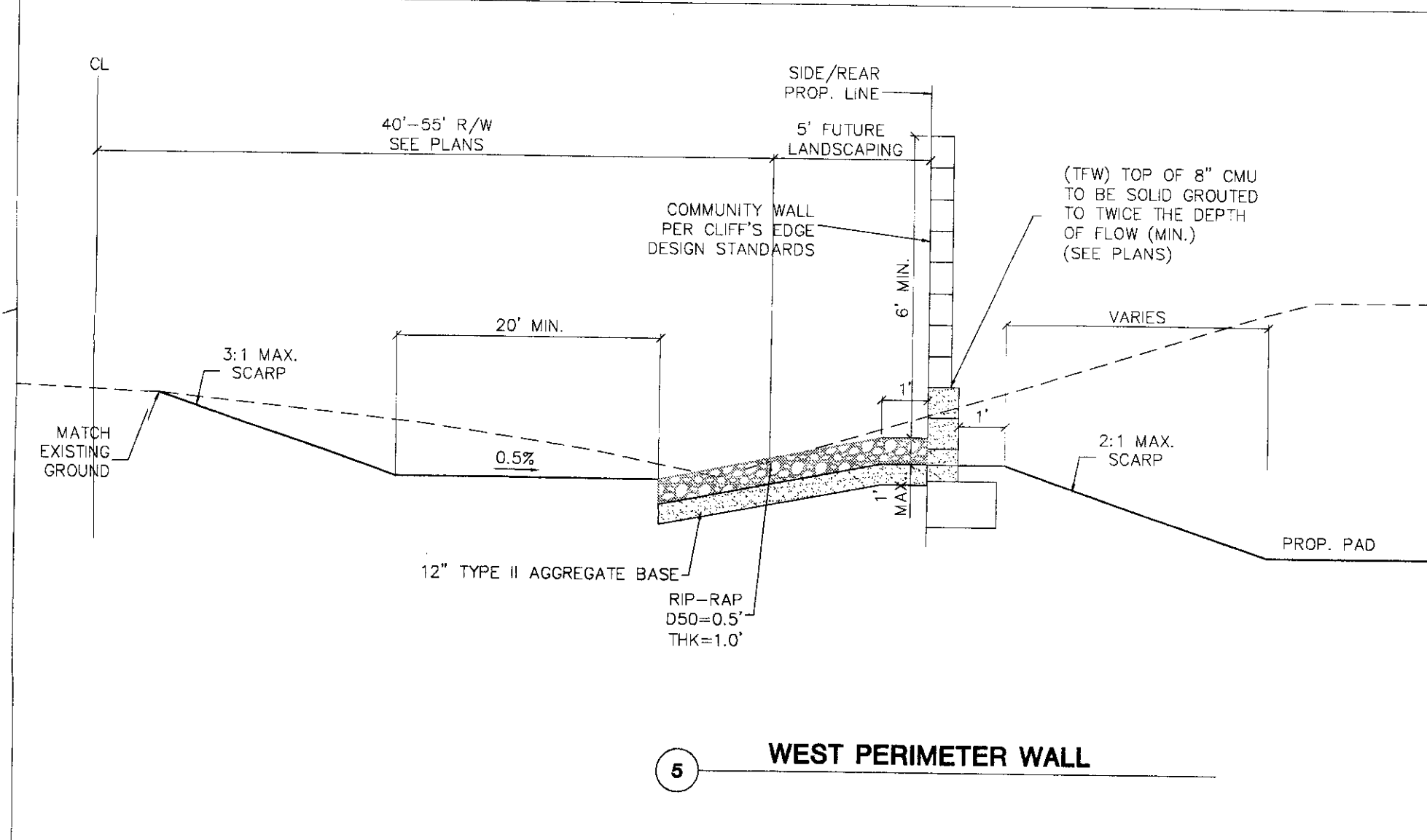
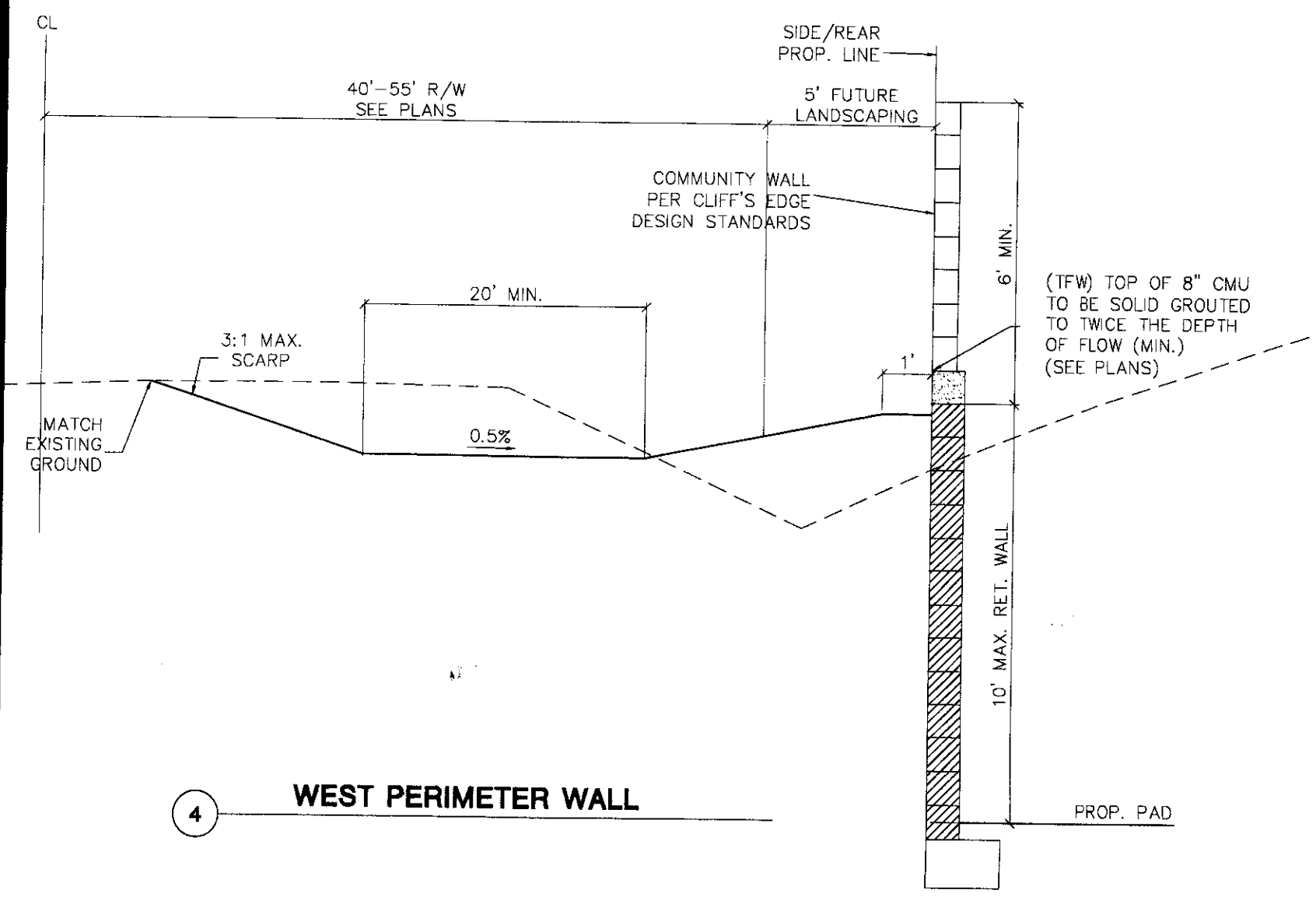
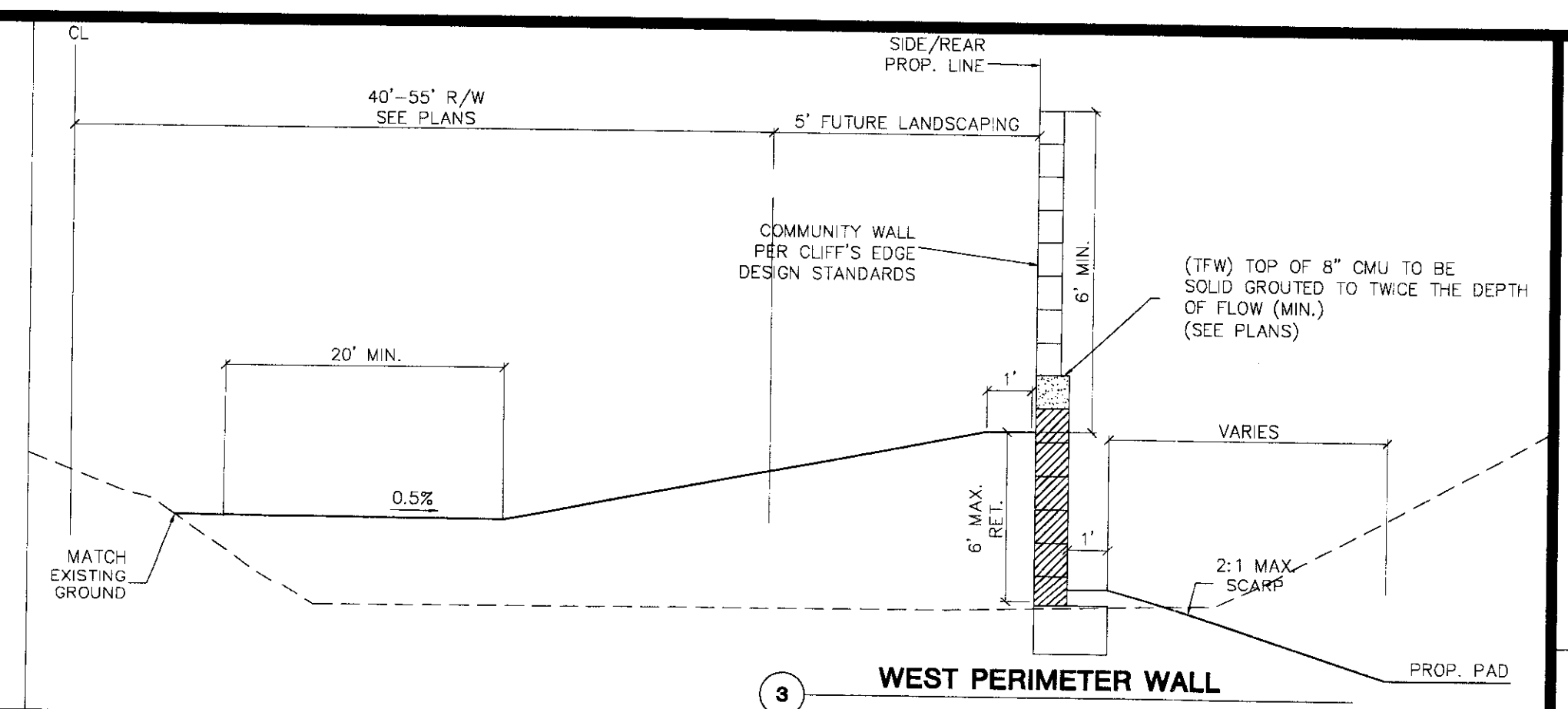
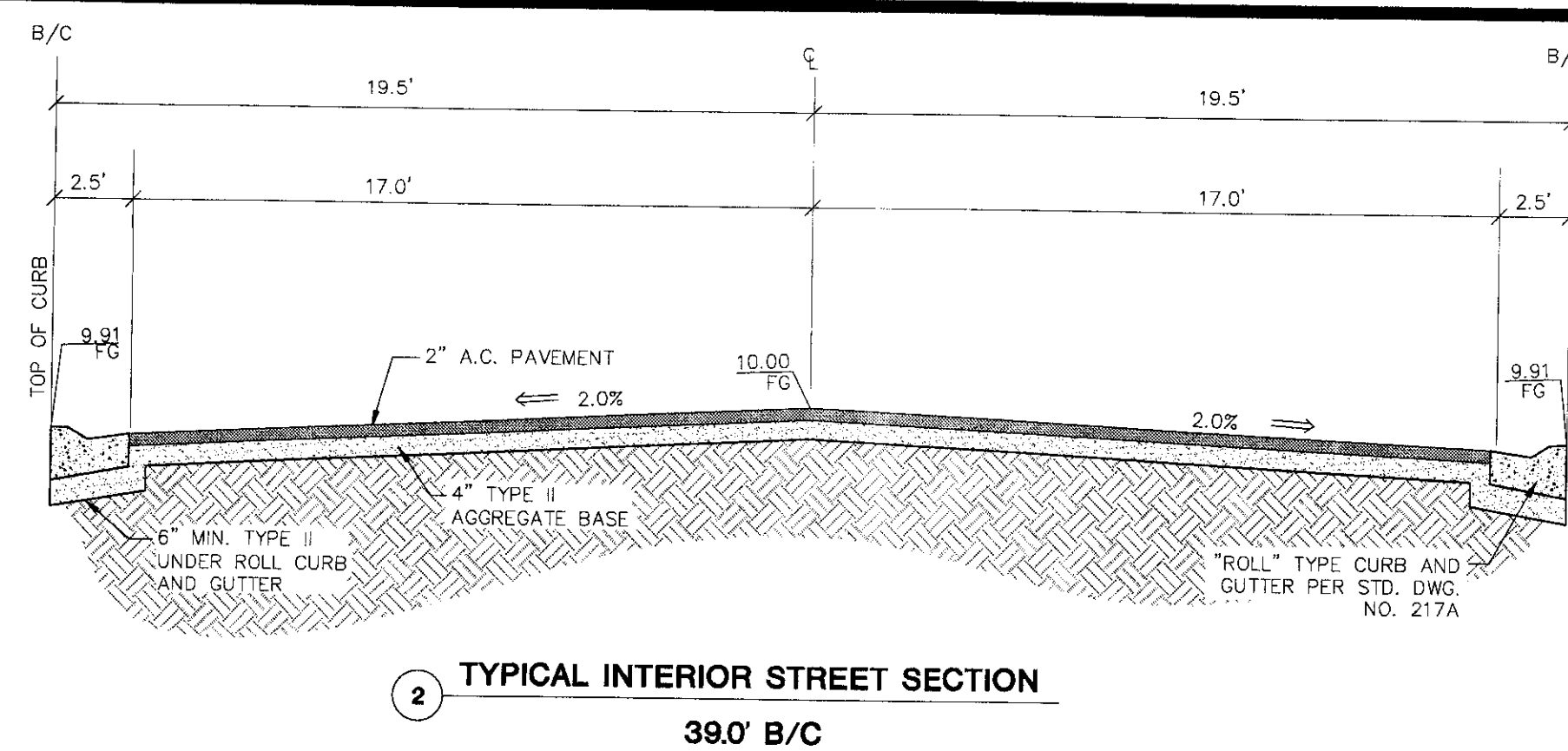
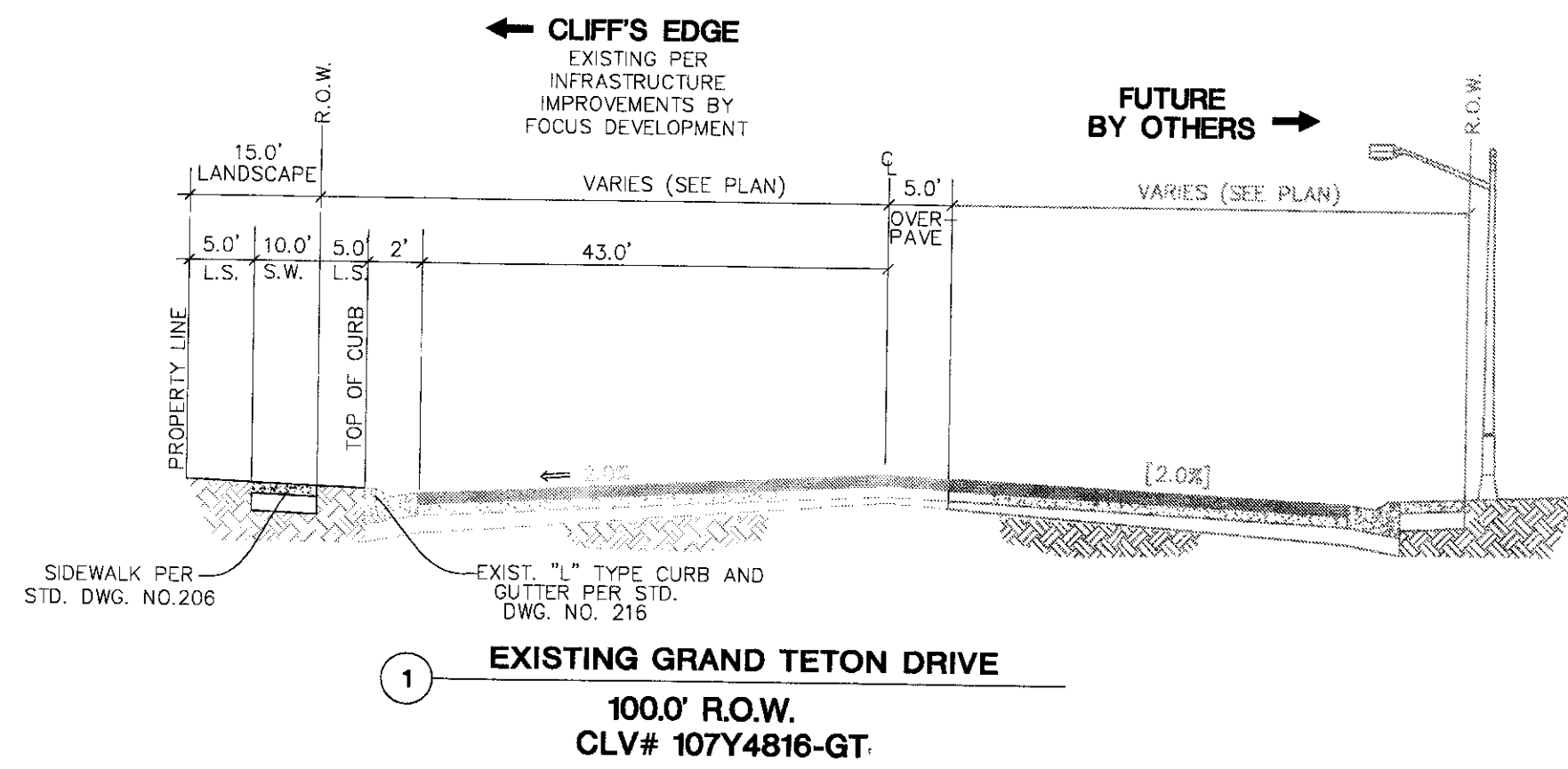
GRADING PLAN

CLIFF'S EDGE
POD 201 AND 202
UNIT 5

RAWN BY: _____	OCT. '10
M.S.	
DESIGNED BY: _____	OCT. '10
M.S.	
CHECKED BY: _____	OCT. '10
EN	
PROJECT NO: _____	SCALE: 1"=30'
335-5	

SHEET
G2
OF SHEETS
DRAWING NO.

H:\6335-5\Production\6335-5-gr.dwg



KB HOME
5845 SADDLER CREEK 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

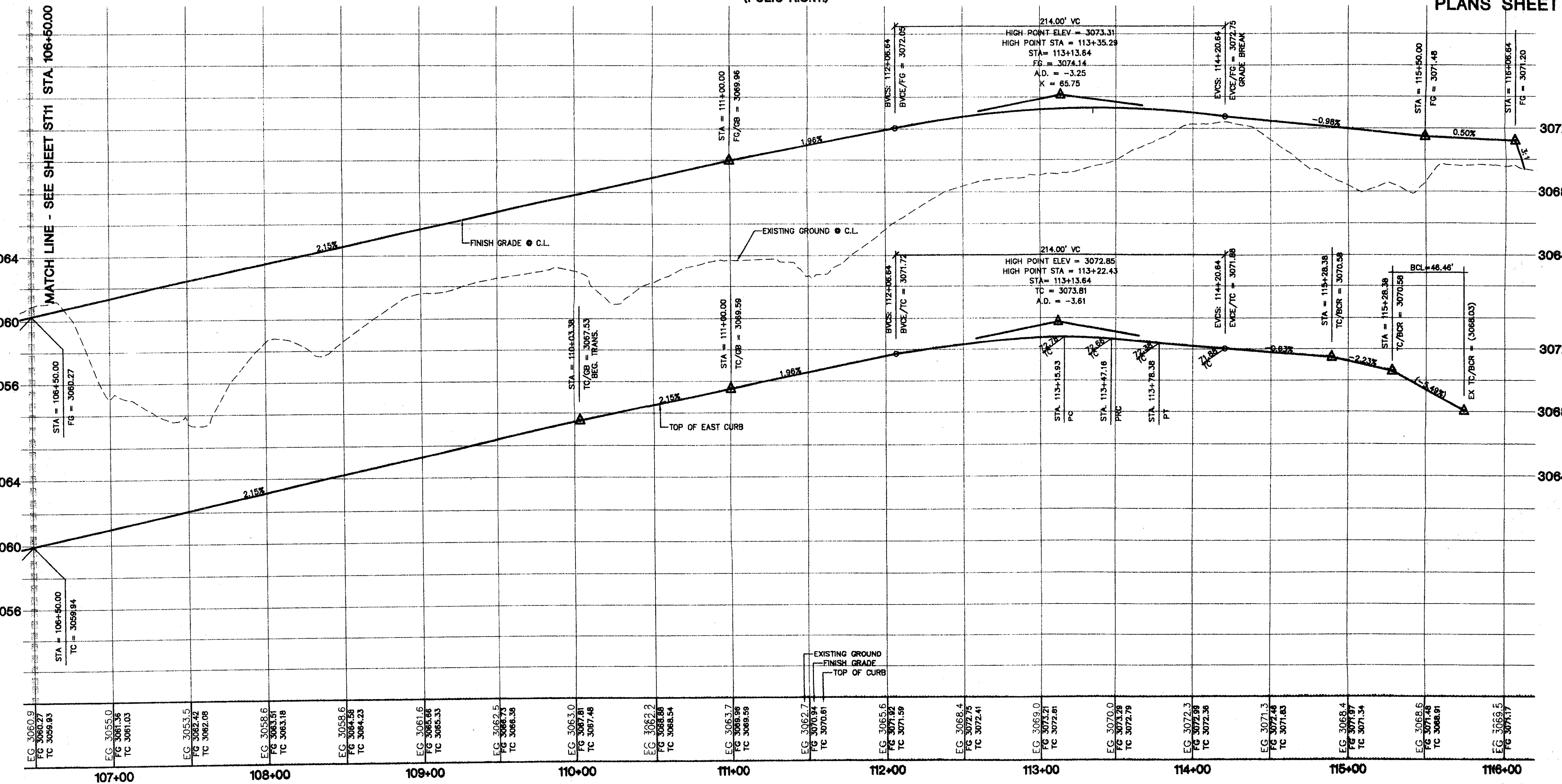
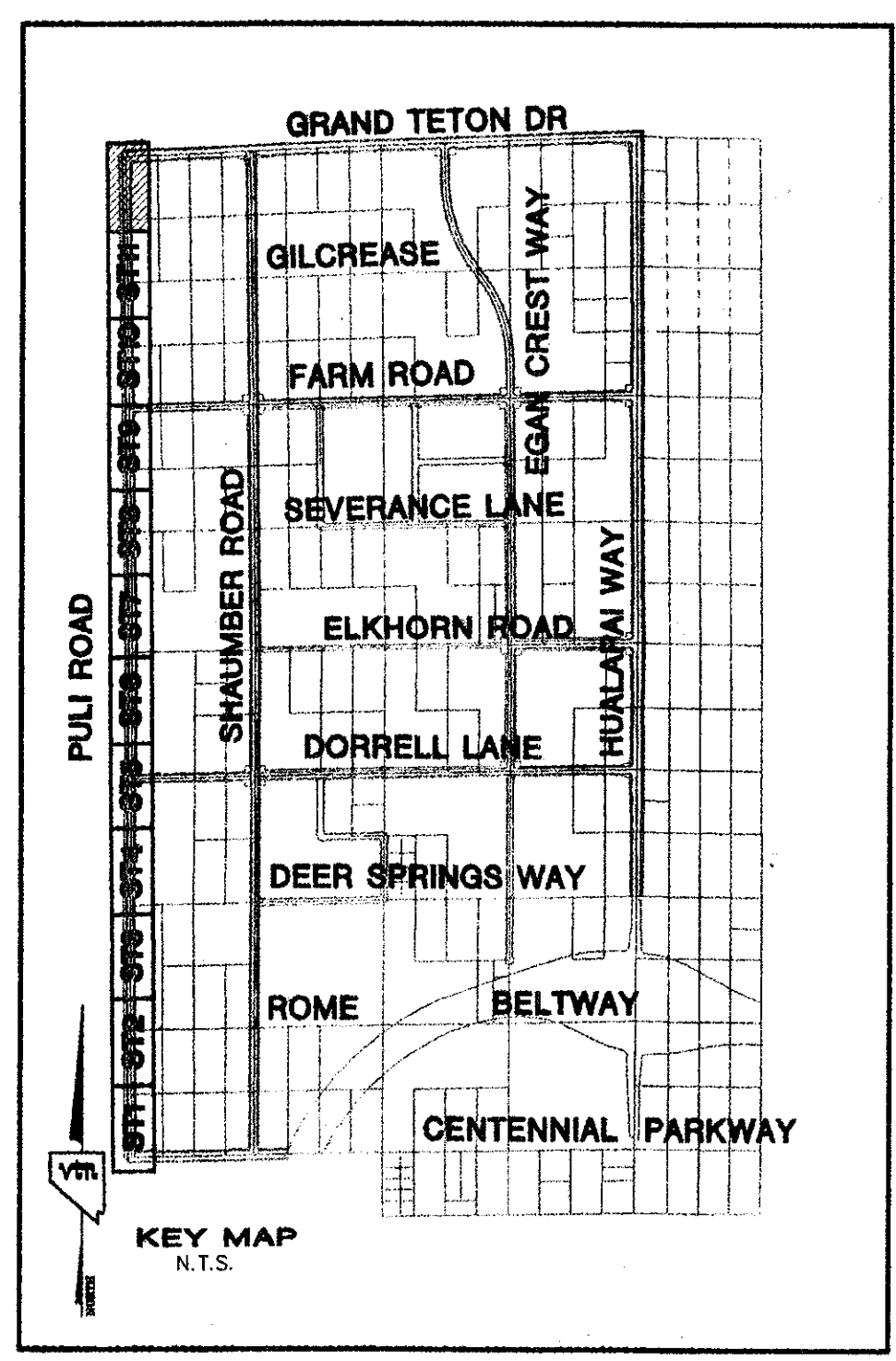
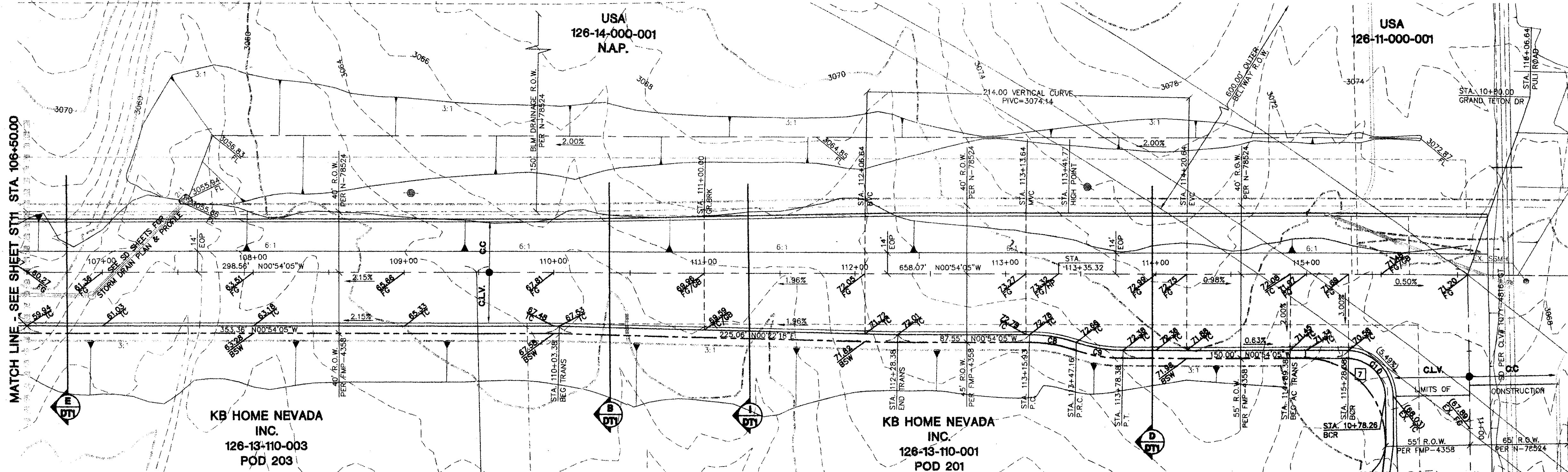
GRADING DETAILS
CLIFF'S EDGE
POD 201 AND 203
UNIT 5

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\"/>

PROFESSIONAL ENGINEER
KENNETH F. WATSON
CIVIL
EXPIRES 12-31-11

SHEET D1
OF 3 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



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

NO.	LENGTH	RADIUS	DELTA	TANGENT
C1	47.41	30.00	90°32'26"	30.28
C2	31.78	100.00	18°11'42"	18.01
C3	31.78	100.00	18°11'42"	18.01
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"	30.78
C8	31.78	100.00	18°11'42"	18.01
C9	31.78	100.00	18°11'42"	18.01
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

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. 053871
DANIEL J. HODG NO. 12811 DATE 11-7-05

HTC# 05-42792

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

DESIGNED BY: JUNE 04
CHECKED BY: JUNE 04
PROJECT NO.: 5969
SCALE: 1"=40' HORIZ.
1"=4' VERT.

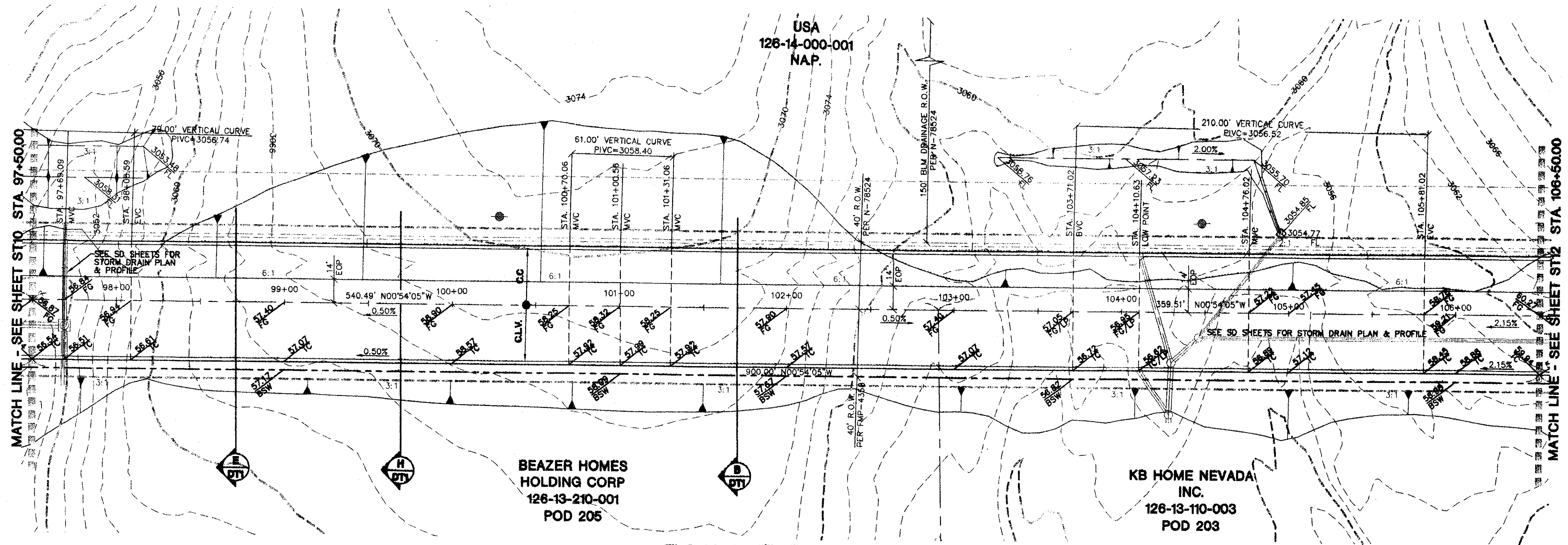
EXPIRES: 06-30-07

PROFESSIONAL ENGINEER STATE OF NEVADA
NO. 12811 (POWER)
DANIEL J. HODG
11-7-05

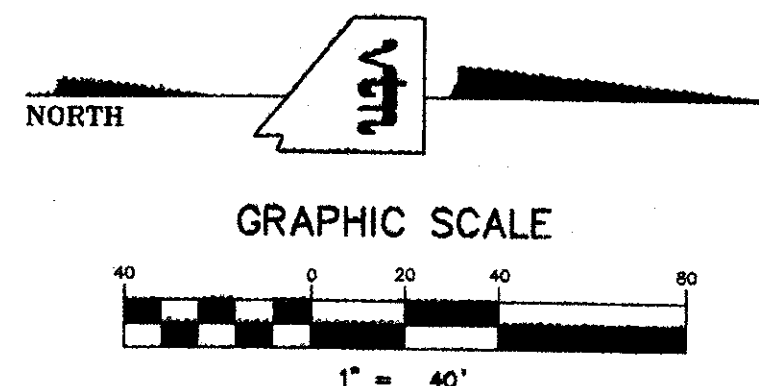
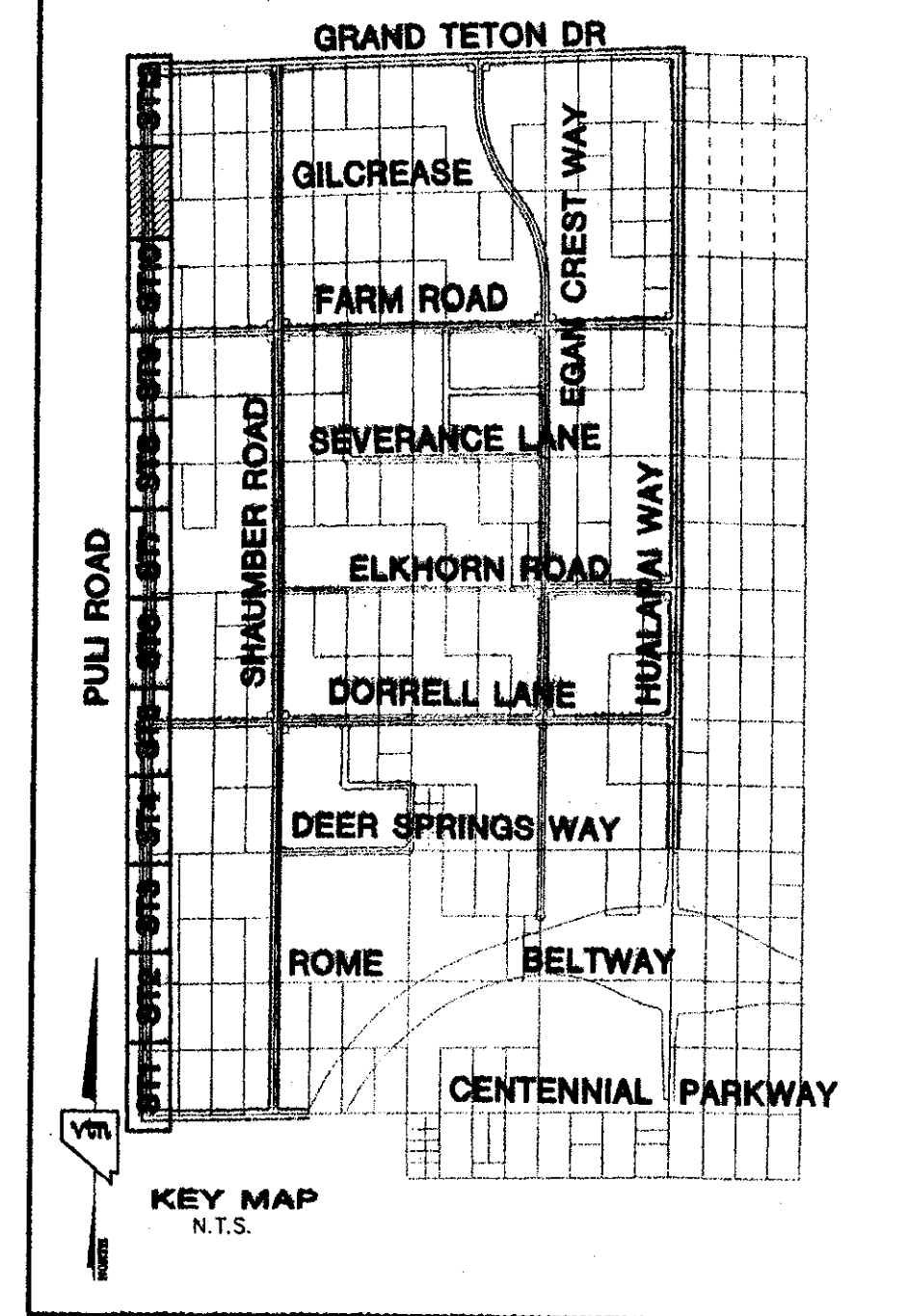
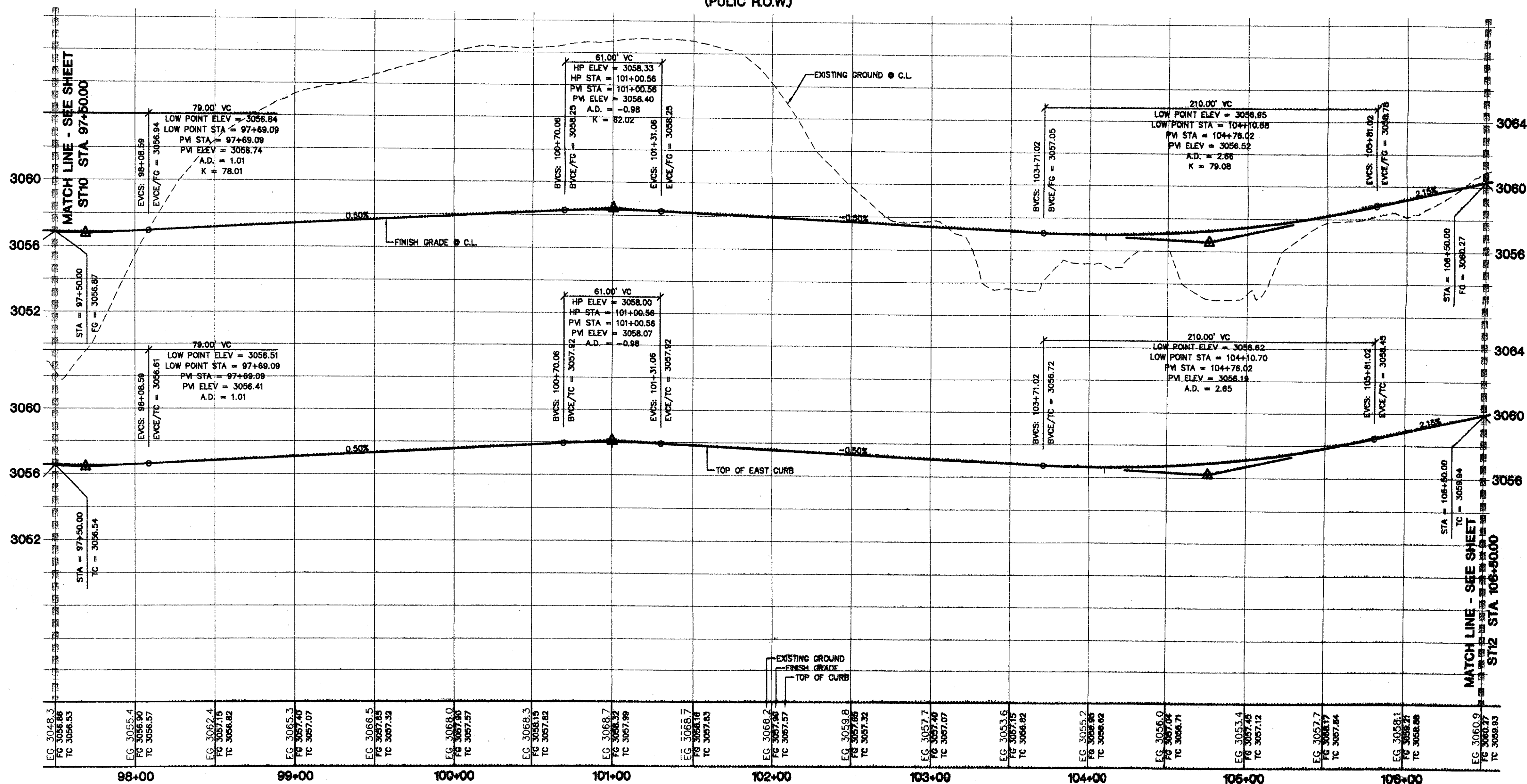
SHEET
ST12
15 OF 40 SHEETS
DRAWING NO.
157Y4816-FR1

REVISION

REV	DATE	BY
1		
2		
3		
4		
5		
6		
7		



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

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 CORN 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

CITY OF LAS VEGAS BENCHMARK
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.

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 CORN AVENUE, 1' WEST OF ELECTRICAL VAULT.

CITY OF LAS VEGAS BENCHMARK
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.

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
SCALE: 1"=40' HORIZ		SCALE: 1"=4' VERT.	
EXPIRES 06-30-07		SHEET ST11	
14 OF 40 SHEETS		DRAWING NO. 10744816-P2-1	

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT. 1053871
DANIEL J. HODD NO. 12811 DATE 11.7.05

HTF# 05-42782