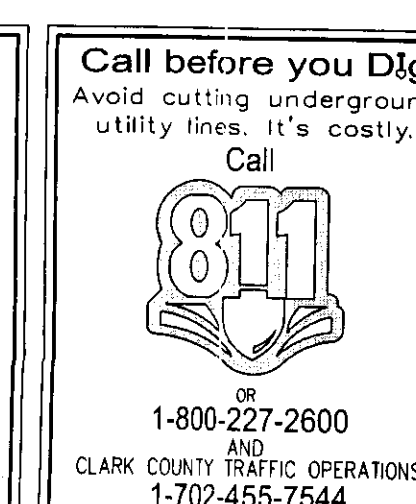
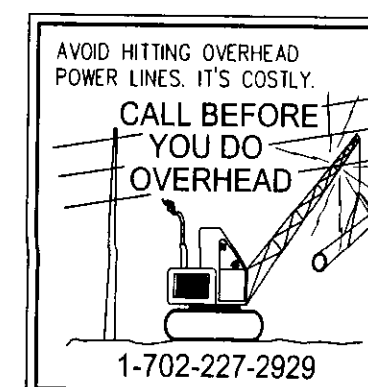
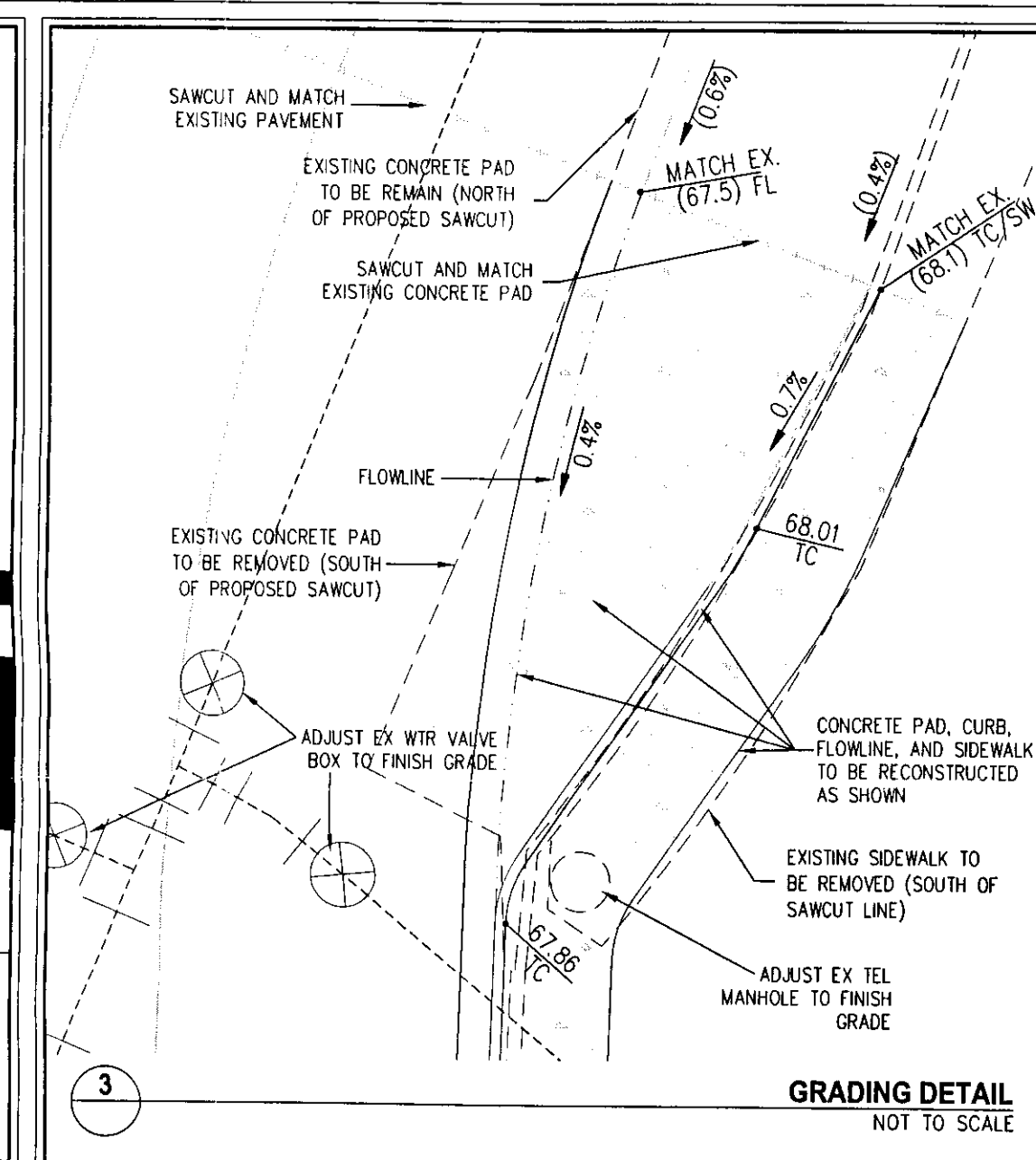
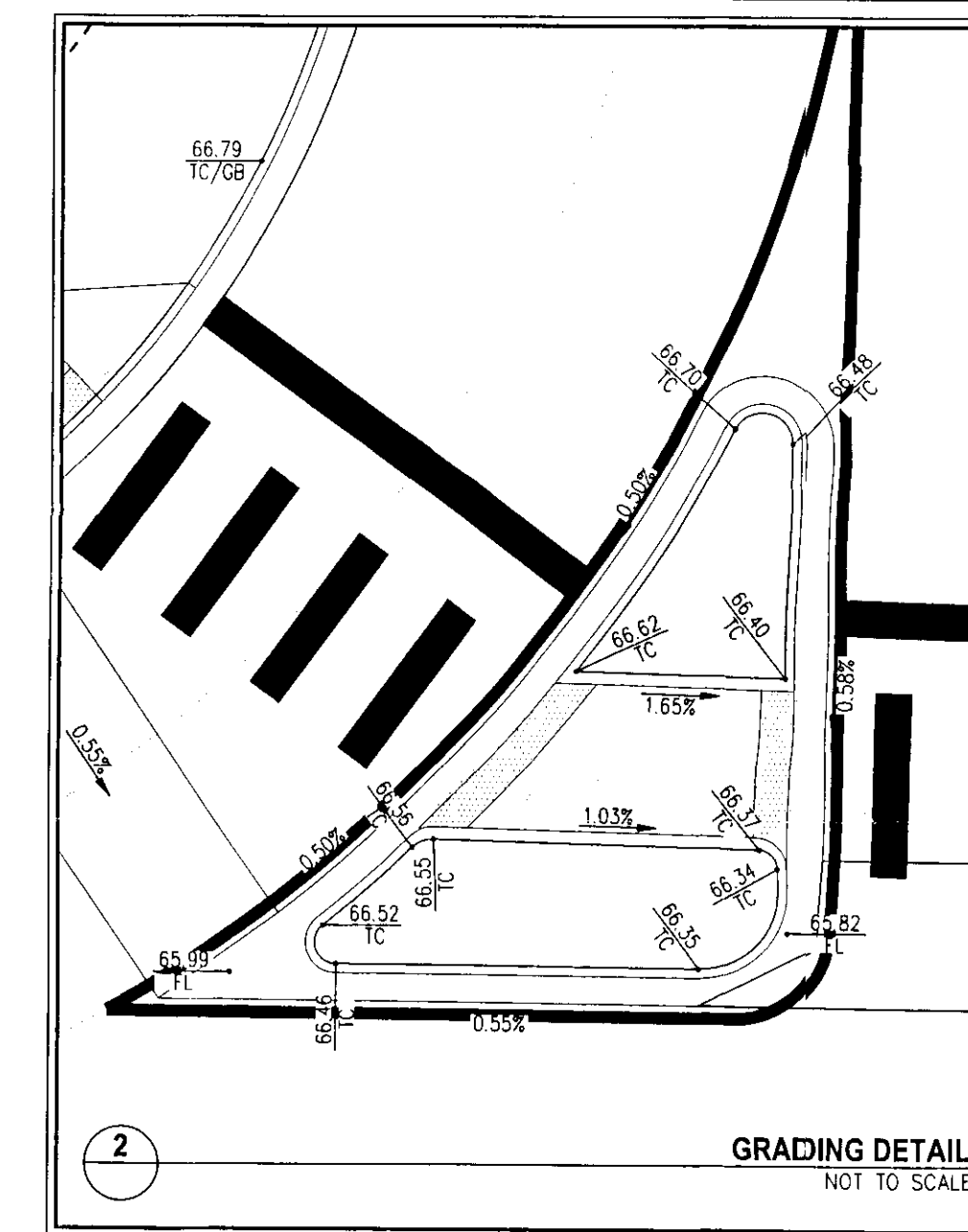
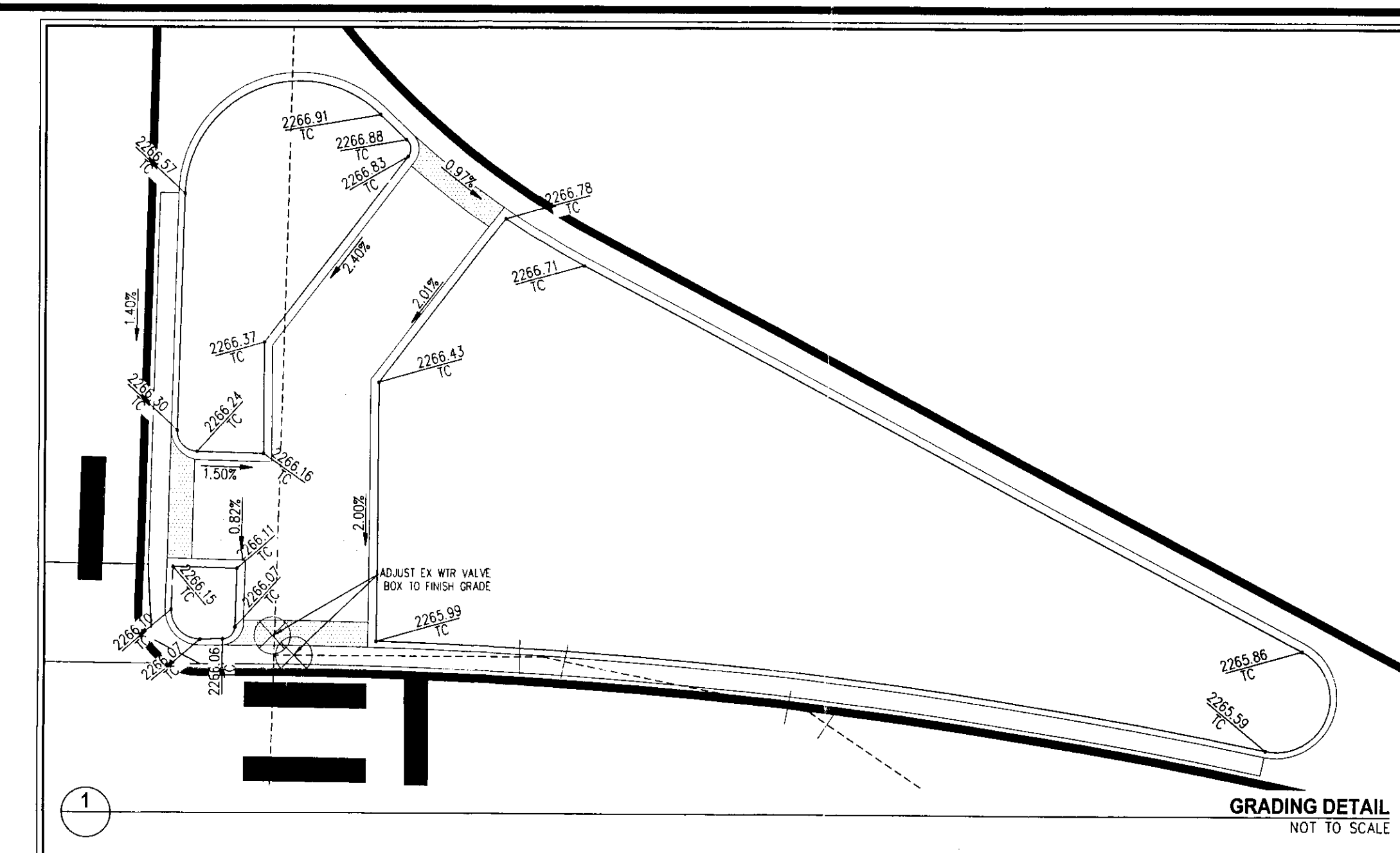
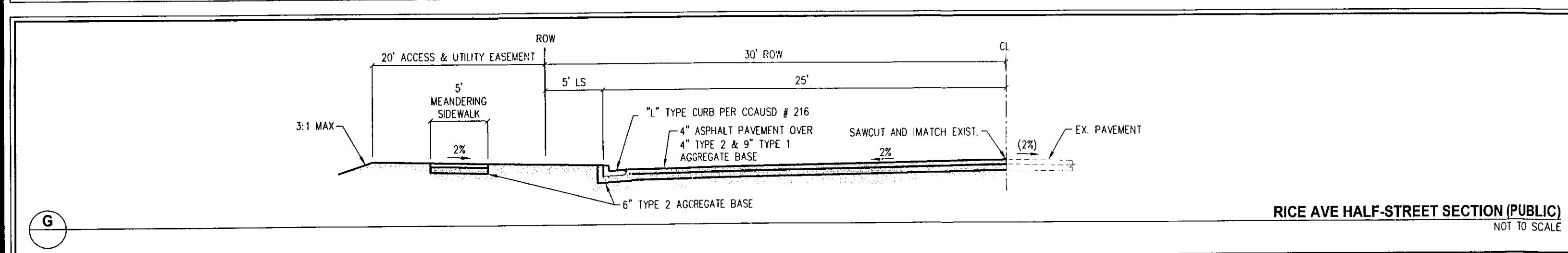
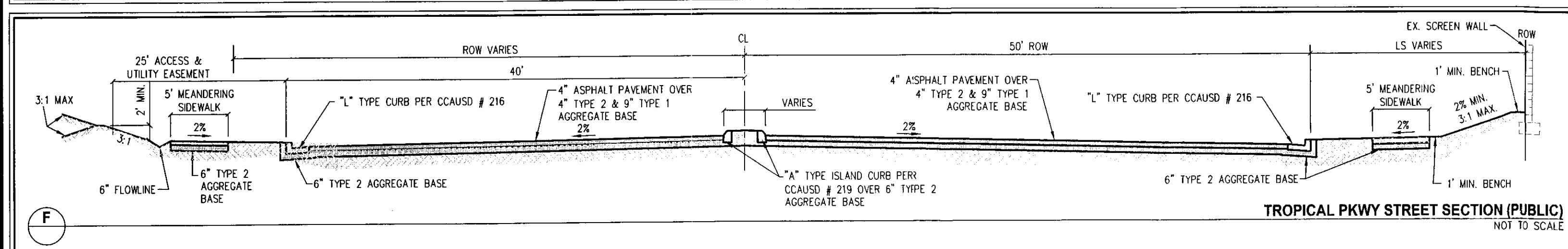
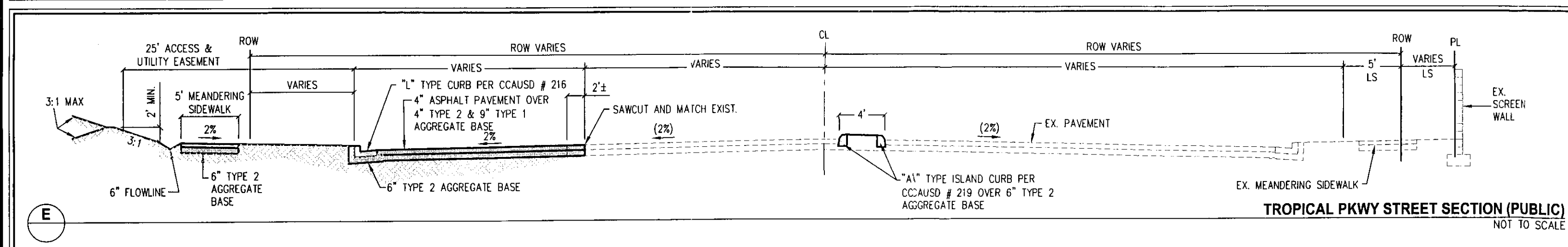
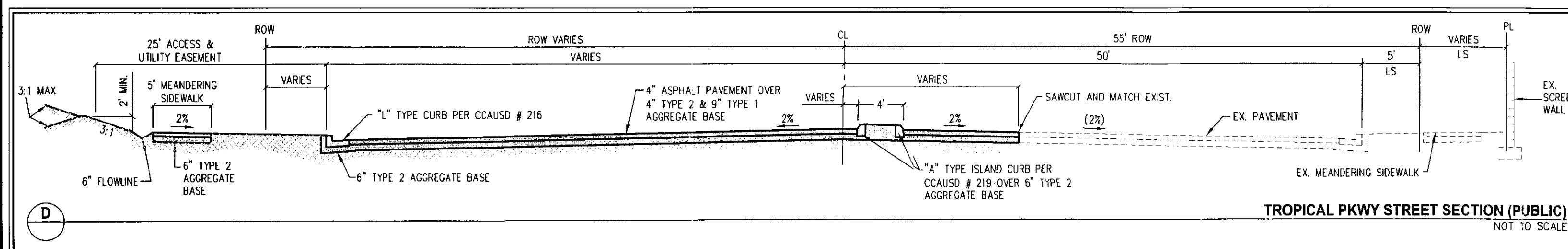
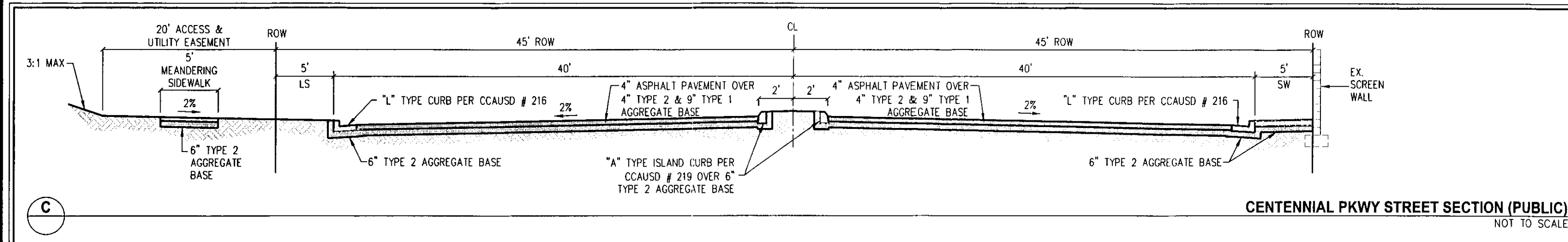
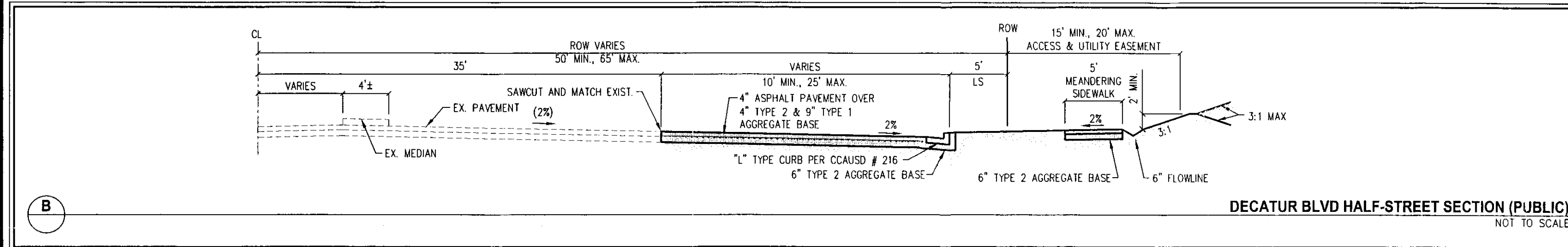
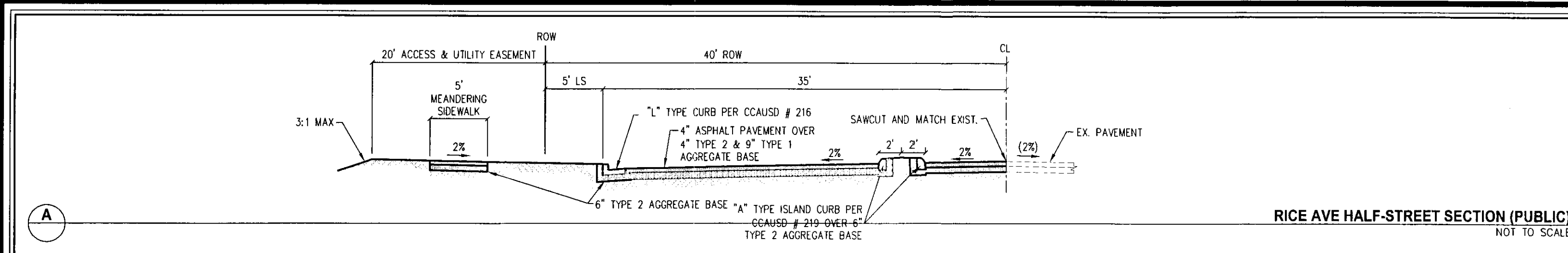


The seal of the City of Phoenix is a circular emblem. It features a large, stylized mountain peak in the center, which is a representation of Camelback Mountain. The mountain is divided into three horizontal bands of different shades of gray. In the foreground, there are several smaller, stylized mountain peaks. To the left of the central mountain, there is a winding path or river that leads towards a small, stylized house or building. The entire scene is enclosed within a circular border. Below the seal, the words "CITY OF" are written in a bold, sans-serif font.

SHEET INDEX.		
NUMBER	SHEET	DESCRIPTION
1	C-1	COVER SHEET
2	C-2	GENERAL NOTES AND QUANTITIES
3	P-1	PLAN AND PROFILE - RICE AVE
4	P-2	PLAN AND PROFILE - CENTENNIAL PKWY
5	P-3	PLAN AND PROFILE - TROPICAL PKWY
6	P-4	PLAN AND PROFILE - TROPICAL PKWY
7	P-5	PLAN AND PROFILE - DECATUR BLVD
8	P-6	PLAN AND PROFILE - STORM DRAIN LATERALS
9	D-1	SECTIONS AND DETAILS
10	T-1	TRAFFIC PLAN - RICE AND DECATUR
11	T-2	TRAFFIC PLAN - TROPICAL PKWY
12	T-3	TRAFFIC PLAN - CENTENNIAL PKWY
13	DM-1	DEMOLITION PLAN I
14	DM-2	DEMOLITION PLAN II



"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND / OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS."



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This grading plan is a
part of drainage study
4543 which was received
on 1/9/12 and App'd on
1/19/12. Page 8 of 8

S-I GROUP
SLATER HANFAN GROUP
CONSULTING ENGINEERS & PLANNERS
 575/410-1100 FAX 575/410-1101
 575/410-1102 FAX 575/410-1103
 575/410-1104 FAX 575/410-1105
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**LL PKWY
IMPROVEMENTS**

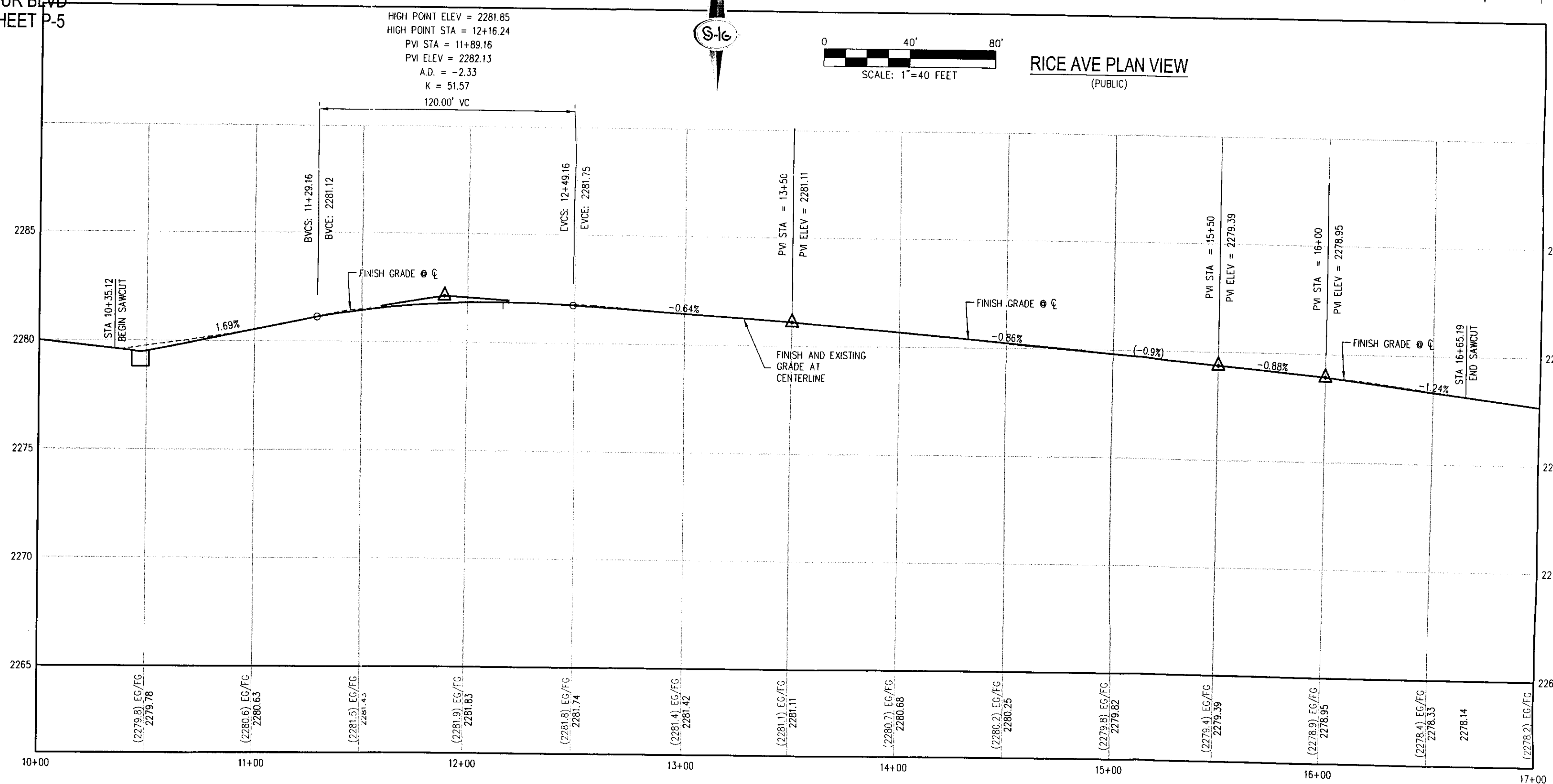
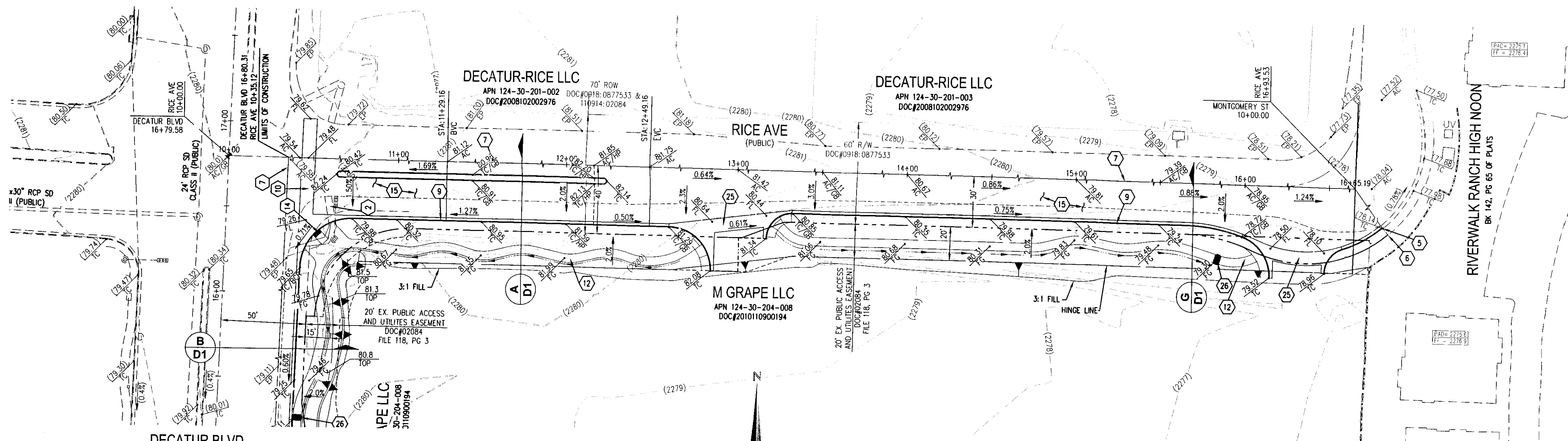
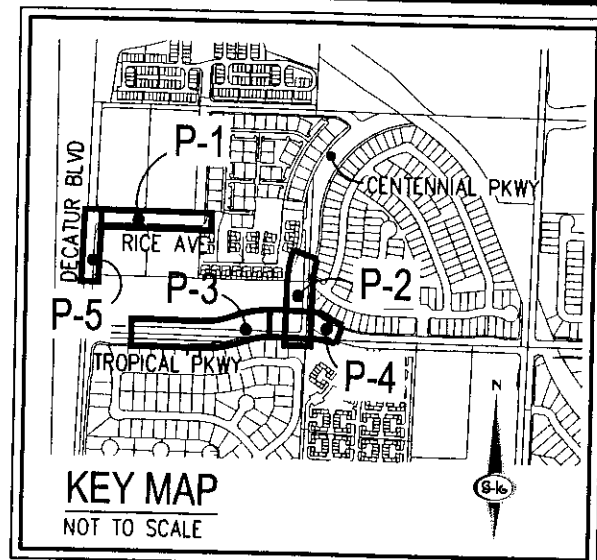
M GRAPE LLC
PLANS FOR TROPICAL
HWY ROADWAY IMPROVEMENTS AND DETAILS

79
T-79
R01

DATE: 12/12/11
DRAFTER: BC
DESIGNER: BC
CHECKED: RF
PROJECT NO.
MGL1101.000

PROFESSIONAL ENGINEER - STATE OF MARYLAND
RAY F. FREDERICKSEN
Exp. 06/30/13
CIVIL
No. 17471
12/19/11

D-1
SHEET 9 OF 14



- ### GRADING NOTES

- 1 EXISTING CURB TO BE REMOVED
- 2 EXISTING SIDEWALK TO BE REMOVED
- 3 EXISTING VALLEY GUTTER TO BE REMOVED
- 4 EXISTING SIDEWALK TO BE REMOVED
- 5 SAWCUT AND MATCH EXISTING CURB
- 6 SAWCUT AND MATCH EXISTING SIDEWALK
- 7 SAWCUT AND MATCH EXISTING PAVEMENT
- 8 SAWCUT AND MATCH EXISTING CONCRETE PAD
- 9 INSTALL "L" TYPE CURB AND GUTTER PER CCAUSD #216
- 10 INSTALL 8'-FT CROSS GUTTER PER CCAUSD #228
- 11 INSTALL "A" TYPE CURB PER CCAUSD #219
- 12 INSTALL 5" WIDE CONCRETE SIDEWALK (4" THICK OVER 6" TYPE 2 AGGREGATE BASE) PER CCAUSD #234
- 13 INSTALL ADA COMPLIANT ARMOR TILE TRUNCATED DUMES
- 14 INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DUMES PER CCAUSD NO. 235
- 15 INSTALL 4" AC OVER 4" TYPE I, OVER 9" TYPE I AGGREGATE BASE
- 16 SEE DETAIL 3 ON SHEET D-1
- 17 INSTALL MUD, TYPE "C" DROP INLET WITH 3" MIN. CURB TRANSITION PER CCAUSD #412.1 AND 421 (SEE PROFILE SHEET P-5 FOR SIZE AND GRATES)
- 18 EXISTING CATV VAULT TO BE RELOCATED (BY OTHERS)
- 19 EXISTING SERVICE PEDESTAL TO BE RELOCATED (BY OTHERS)
- 20 EXISTING CATV BOX. ADJUST TO FINISH GRADE
- 21 EXISTING CONCRETE FLUME. EXTEND AND TIE TO "L" TYPE CURB
- 22 INSTALL ____ CONCRETE PAD OVER ____ TYPE II AGGREGATE BASE
- 24 EXISTING TIE MANHOLE. ADJUST TO FINISH GRADE
- 26 CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD # 225
- 28 CONSTRUCT 2'-FT SIDEWALK UNDERDRAIN PER CCAUSD # 236

- ### LEGEND

-
-  ROADWAY CENTERLINE
 RIGHT-OF-WAY
 PROPERTY LINE
 CURB AND GUTTER
 EXISTING CURB AND GUTTER
 FLOWLINE
 EDGE OF PAVEMENT (EP)
 SAWCUT LINE
 PROPOSED ELEVATION
 EXISTING ELEVATION
 EXISTING CONTOUR (5-FT)
 EXISTING CONTOUR (1-FT)
 SCARP
 STREETLIGHT
 EXISTING STREETLIGHT
 MATCH LINE

NOTICE TO CONTRACTOR

QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN/HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: (800) 227-2600

CERTIFICATION

THIS PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY APPLICATION # CNLV No. _____, ON FILE WITH THE CITY OF NORTH LAS VEGAS.

DATE _____ RAY F. FREDERICKSEN

CITY OF NORTH LAS VEGAS
UTILITIES DEPARTMENT

UTILITIES DEPARTMENT- ENGINEERING SERVICES DIVISION DATE: _____

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION, A COMMITMENT TO SUPPLY WATER AND/OR SEWER SERVICE, OR AN APPROVAL OF ANY VIOLATION OF CNLV WATER AND/OR SEWER SERVICE RULES AND REGULATIONS OR DESIGN AND CONSTRUCTION STANDARDS.

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

**CITY OF NORTH LAS VEGAS UTILITY
DEPARTMENT DISCLAIMER**

A STATEMENT OF UNDERSTANDING BETWEEN THE CITY OF NORTH LAS VEGAS
UTILITY DEPARTMENT (CITY) AND ANY AND ALL SUBSEQUENT USERS OF
INFORMATION CONTAINED HEREFROM:

THE PLANS AND SUPPORTING INFORMATION IS FURNISHED BY THE CITY, AND ACCEPTED/USED BY THE RECIPIENT WITH THE UNDERSTANDING THAT THE CITY MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY, COMPLETENESS, RELIABILITY, OR SUITABILITY OF SAID PLANS OR ANY SUPPORTING DATA AND FURTHER UNDERSTANDS THAT ALL USERS ARE ACTING AT THEIR OWN RISK. THE CITY SHALL BE UNDER NO LIABILITY WHATSOEVER RESULTING FROM ANY USE OF THIS INFORMATION

THIS INFORMATION SHOULD NOT BE RELIED UPON AS THE SOLE BASIS FOR EXISTING WATER AND/OR SEWER LOCATIONS. THE ENGINEER SHALL CHECK AND VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES.

CONTACT ONLY UTILITIES @ 633-1277 24 HOURS PRIOR TO BEGINNING
ANY WORK FOR SCHEDULING INSPECTIONS AND APPROVALS.

LEGAL DESCRIPTION

LYING WITHIN PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 61 EAST, M.D.M. CITY OF NORTH LAS VEGAS, CLARK COUNTY, NEVADA.

BASIS OF BEARING

BEING THE CENTERLINE OF DECATUR BOULEVARD NORTH 02°01'35" EAST BETWEEN TROPICAL PARKWAY AND RICE AVENUE, AS SHOWN ON PLAT MAP BOOK 140 PAGE 42 AS RECORDED IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA ON JUNE 25, 2008.

BENCHMARK

BEING A RIVET AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS BM NO. NLV9025E4, SET IN THE TOP OF CURB, LOCATED APPROX. 18 FEET SOUTH OF THE SOUTHWEST SOUTH BCR AT THE INTERSECTION OF TROPICAL PKWY. AND DECATUR BLVD. NAVD88 ELEVATION OF 2275.79 FEET.

Call before you Dig

Call before you dig
Avoid cutting underground utility lines. It's costly.



OR
1-800-227-2600
AND
ARK COUNTY TRAFFIC OFFER
1-702-455-7544

AVOID HITTING UNDERGROUND
TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM
CONDUITS. IT'S COSTLY.

 Call

 before you
do UnderGround

1-702-455-7511

CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-432-5300

LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.
CALL BEFORE
YOU DO
OVERHEAD

1-702-227-2929

A diagram showing a horizontal beam supported by a vertical stand on the right. Three rectangular weights are suspended from the beam at different distances from the support. The beam is tilted downwards towards the support, indicating that the center of mass of the system is to the left of the support point.

AVOID HITTING UNDERGROUND
TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM
CONDUITS. IT'S COSTLY.

 Call

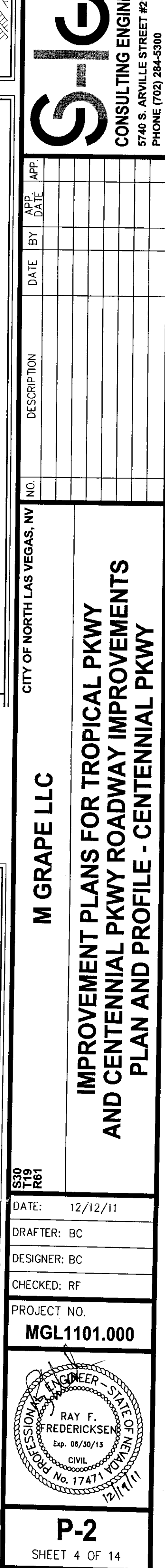
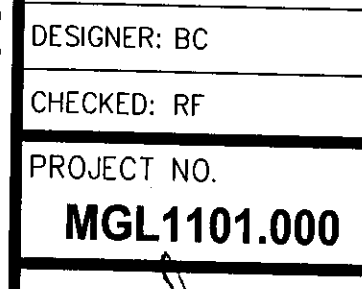
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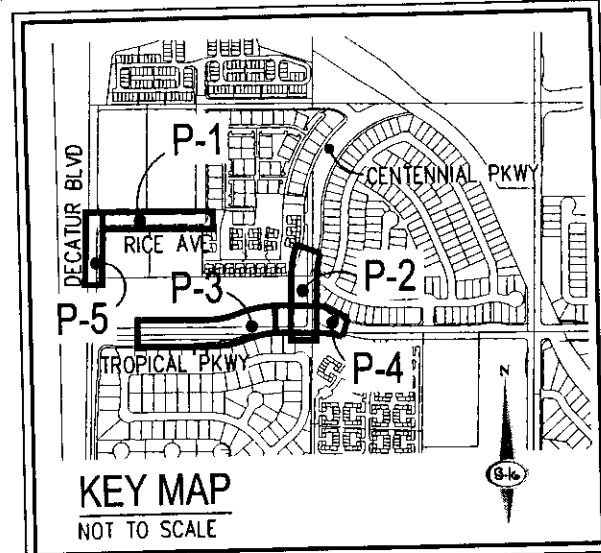
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CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-432-5300

LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

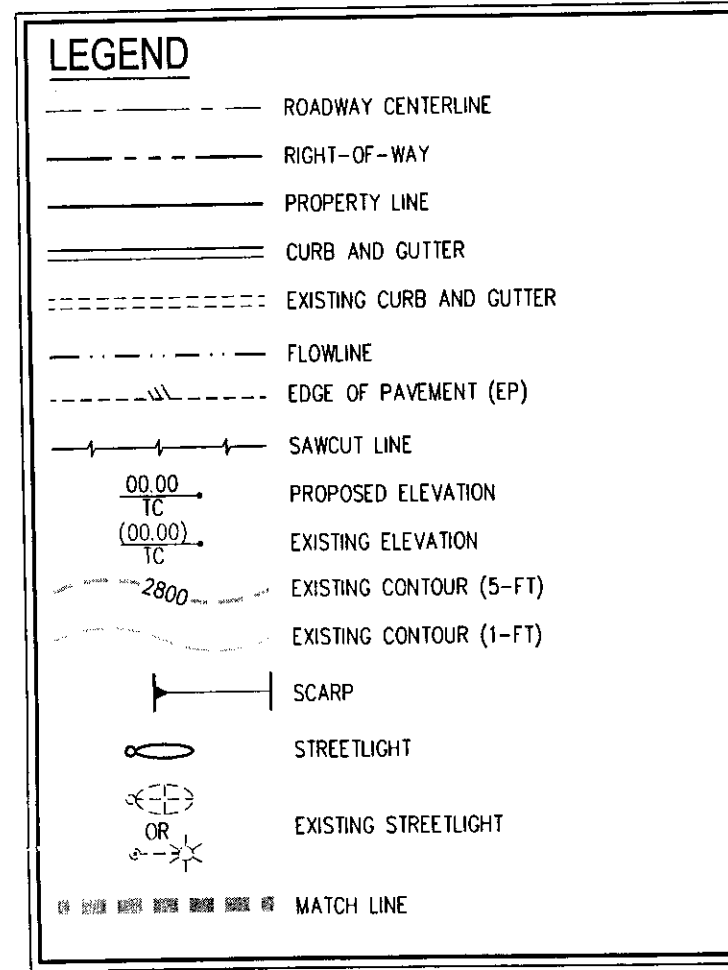
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S-I-G
SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
3075740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

- (1) EXISTING CURB TO BE REMOVED
 - (2) EXISTING SIDEWALK TO BE REMOVED
 - (3) EXISTING VALLEY GUTTER TO BE REMOVED
 - (4) EXISTING PAVEMENT TO BE REMOVED
 - (5) SAWCUT AND MATCH EXISTING CURB
 - (6) SAWCUT AND MATCH EXISTING SIDEWALK
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 - (15) INSTALL 4" AC OVER 4" TYPE II, OVER 9" TYPE I AGGREGATE BASE
 - (16) SEE DETAIL 3 ON SHEET D-1
 - (17) INSTALL WOD, TYPE "C" DOW INLET WITH 3" MIN. CURB TRANSITION PER CCAUSD #412.1 AND 421 (SEE PROFILE SHEET P-5 FOR SIZE AND GRATES)
 - (18) EXISTING CATV VAULT TO BE RELOCATED (BY OTHERS)
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 - (20) EXISTING CATV BOX ADJUST TO FINISH GRADE
 - (21) EXISTING CONCRETE FLUME, EXTEND AND TIE TO "L" TYPE CURB
 - (22) INSTALL ____ CONCRETE PAD OVER ____ TYPE II AGGREGATE BASE
 - (23) EXISTING TIE MANHOLE, ADJUST TO FINISH GRADE
 - (24) CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD # 225
 - (25) CONSTRUCT 2-FIT SIDEWALK UNDERDRAIN PER CCAUSD # 236
- SSF SHEET C-2 FOR LEGEND, GENERAL NOTES, AND QUANTITIES



M GRAPE LLC

S30
T19
R61

DATE: 12/12/11

DRAFTER: BC

DESIGNER: BC

CHECKED: RF

PROJECT NO.

MGI 1101.000



Professional Engineer Seal

RAY F.
FREDERICKSEN

EXP. 06/30/13

CIVIL

№ 17471

12/19

P-3

SHEET 6 OF 14

STREET 3 3 11

1000 1000 1000 1000

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

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DATE _____ RAY F. FREDERICKS

D 3

F-3

SHEET 5 OF 14

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12/19/2011 9:41 AM Ray.Frederickson

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CALL BEFORE YOU DO OVERHEAD

CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7511
1-702-432-5300
LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.

Call before you do UnderGround

CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7511
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LAS VEGAS AREA
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1-702-455-7544

LEGAL DESCRIPTION

LYING WITHIN PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 61 EAST, M.D.M. CITY OF NORTH LAS VEGAS, CLARK COUNTY, NEVADA

BASIS OF BEARING

BEING THE CENTERLINE OF DECATUR BOULEVARD NORTH 02°01'35" EAST BETWEEN TROPICAL PARKWAY AND RICE AVENUE, AS SHOWN ON PLAT MAP BOOK 140 PAGE 42 AS RECORDED IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA ON JUNE 25, 2008.

BENCHMARK

BEING A RIVET AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS BM NO. NLV902554, SET IN THE TOP OF CURB, LOCATED APPROX. 18 FEET SOUTH OF THE SOUTHWEST SOUTH CORNER AT THE INTERSECTION OF TROPICAL PKWY. AND DECATUR BLVD.
NAVD80 ELEVATION OF 2275.79 FEET.

CITY OF NORTH LAS VEGAS UTILITY DEPARTMENT DISCLAIMER

A STATEMENT OF UNDERSTANDING BETWEEN THE CITY OF NORTH LAS VEGAS UTILITY DEPARTMENT (CITY) AND ANY AND ALL SUBSEQUENT USERS OF INFORMATION CONTAINED HEREFROM:

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THIS INFORMATION SHOULD NOT BE RELIED UPON AS THE SOLE BASIS FOR EXISTING WATER AND/OR SEWER LOCATIONS. THE ENGINEER SHALL CHECK AND VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES.

CONTACT ONLY UTILITIES @ 633-1277 24 HOURS PRIOR TO BEGINNING ANY WORK FOR SCHEDULING INSPECTIONS AND APPROVALS.

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NOTICE TO CONTRACTOR

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CITY OF NORTH LAS VEGAS UTILITIES DEPARTMENT

UTILITIES DEPARTMENT- ENGINEERING SERVICES DIVISION DATE:

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION, A COMMITMENT TO SUPPLY WATER AND/OR SEWER SERVICE, OR AN APPROVAL OF ANY VIOLATION OF ONLY WATER AND/OR SEWER SERVICE RULES AND REGULATIONS OR DESIGN AND CONSTRUCTION STANDARDS.

CERTIFICATION

THIS PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY APPLICATION # ONLY No. _____ ON FILE WITH THE CITY OF NORTH LAS VEGAS.

DATE _____ RAY F. FREDERICKSEN

APPROVALS:

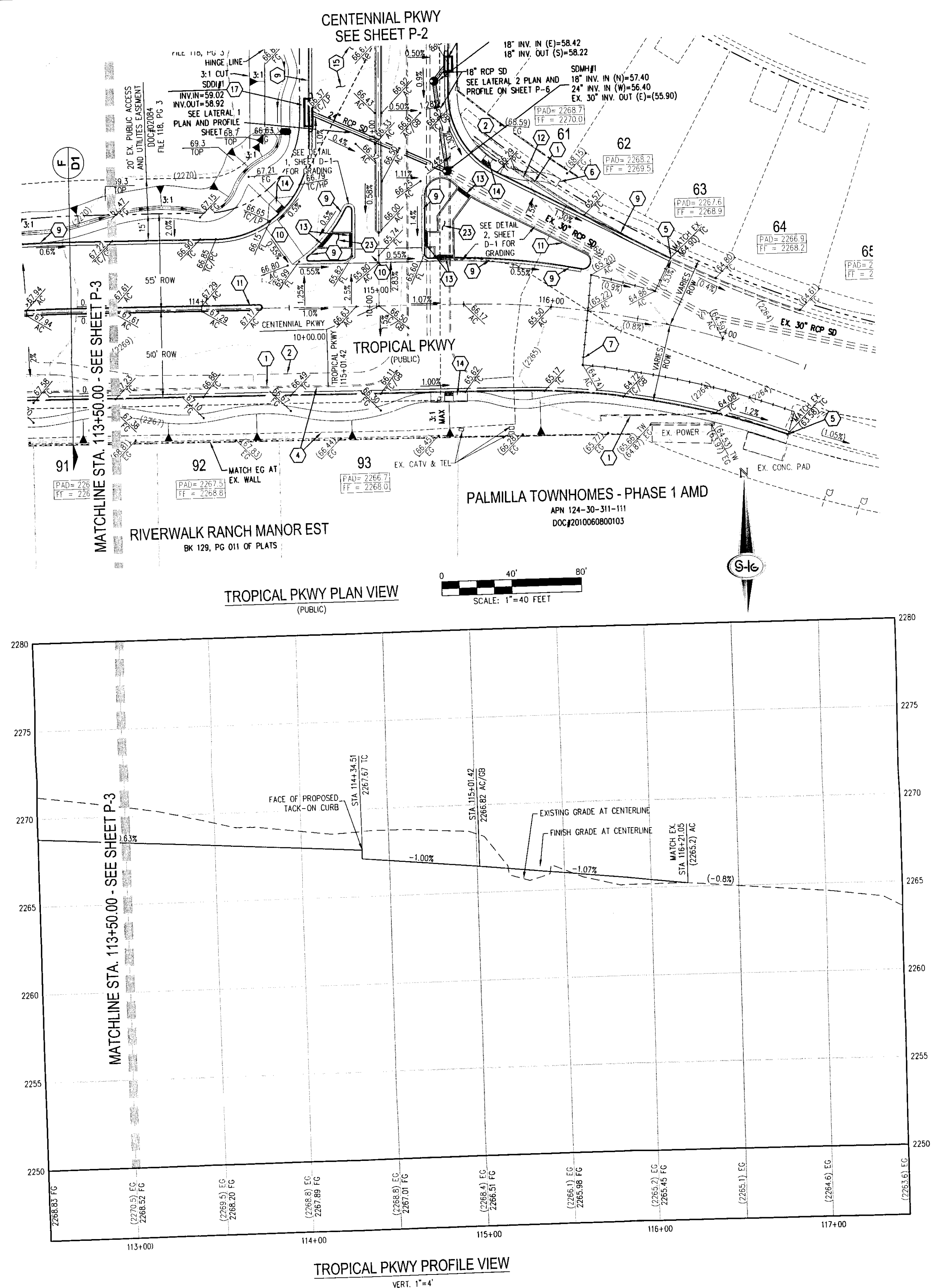
This grading plan is a part of drainage study #4543 which was received on 1/9/12 and App'd on 1/19/12 Page 5 of 8

JENNIFER DODD, P.E. MANAGER, DEVELOPMENT AND ROAD CONTROL DIVISION

ENGINEER

RAY F. FREDERICKSEN
Exp. 08/30/13
CIVIL
Professional No. 17471

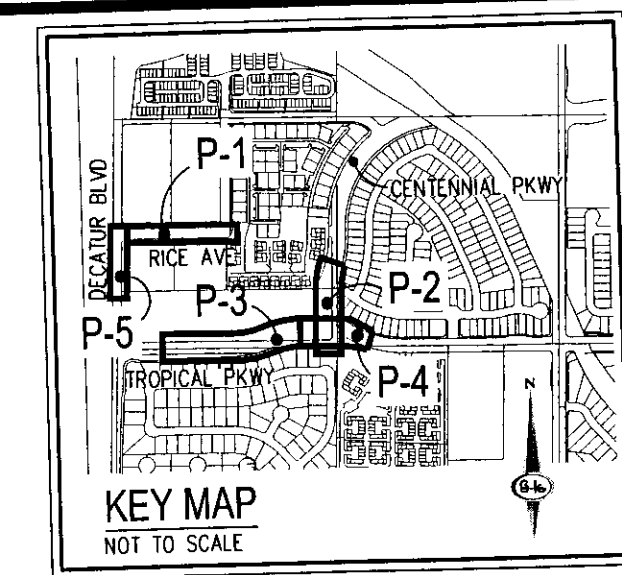
P-4
SHEET 6 OF 14



- GRADING NOTES**
- EXISTING CURB TO BE REMOVED
 - EXISTING SIDEWALK TO BE REMOVED
 - EXISTING VALLEY GUTTER TO BE REMOVED
 - EXISTING PAVEMENT TO BE REMOVED
 - SAWCUT AND MATCH EXISTING CURB
 - SAWCUT AND MATCH EXISTING SIDEWALK
 - SAWCUT AND MATCH EXISTING PAVEMENT
 - SAWCUT AND MATCH EXISTING CONCRETE PAD
 - INSTALL 8'-FT CROSS GUTTER PER CCAUSD #216
 - INSTALL 8'-FT CROSS GUTTER PER CCAUSD #228
 - INSTALL "A" TYPE CURB PER CCAUSD #219
 - INSTALL 5' WIDE CONCRETE SIDEWALK (4" THICK OVER 6" TYPE 2 AGGREGATE BASE) PER CCAUSD #234
 - INSTALL ADA COMPLIANT ARMOR TILE TRUNCATED DOMES
 - INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES PER CCAUSD NO. 235
 - INSTALL 4" AC OVER 4" TYPE II, OVER 9" TYPE I AGGREGATE BASE
 - SEE DETAIL 3 ON SHEET D-1
 - INSTALL MOD. TYPE "C" DROP INLET WITH 3' MIN. CURB TRANSITION PER CCAUSD #412.1 AND 421 (SEE PROFILE SHEET P-5 FOR SIZE AND GRATES)
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 - EXISTING SERVICE PEDESTAL TO BE RELOCATED (BY OTHERS)
 - EXISTING CATV BOX. ADJUST TO FINISH GRADE
 - EXISTING CONCRETE FLUME. EXTEND AND TIE TO "L" TYPE CURB
 - INSTALL CONCRETE PAD OVER TYPE II AGGREGATE BASE
 - EXISTING TEL MAINHOLE. ADJUST TO FINISH GRADE
 - CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD # 225
 - CONSTRUCT 2'-FT SIDEWALK UNDERDRAIN PER CCAUSD # 236
- SEE SHEET C-2 FOR LEGEND, GENERAL NOTES, AND QUANTITIES

LEGEND

- ROADWAY CENTERLINE
- RIGHT-OF-WAY
- PROPERTY LINE
- CURB AND GUTTER
- EXISTING CURB AND GUTTER
- FLOWLINE
- EDGE OF PAVEMENT (EP)
- SAWCUT LINE
- PROPOSED ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR (5'-FT)
- EXISTING CONTOUR (1'-FT)
- SCARP
- STREETLIGHT
- EXISTING STREETLIGHT
- MATCH LINE



SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

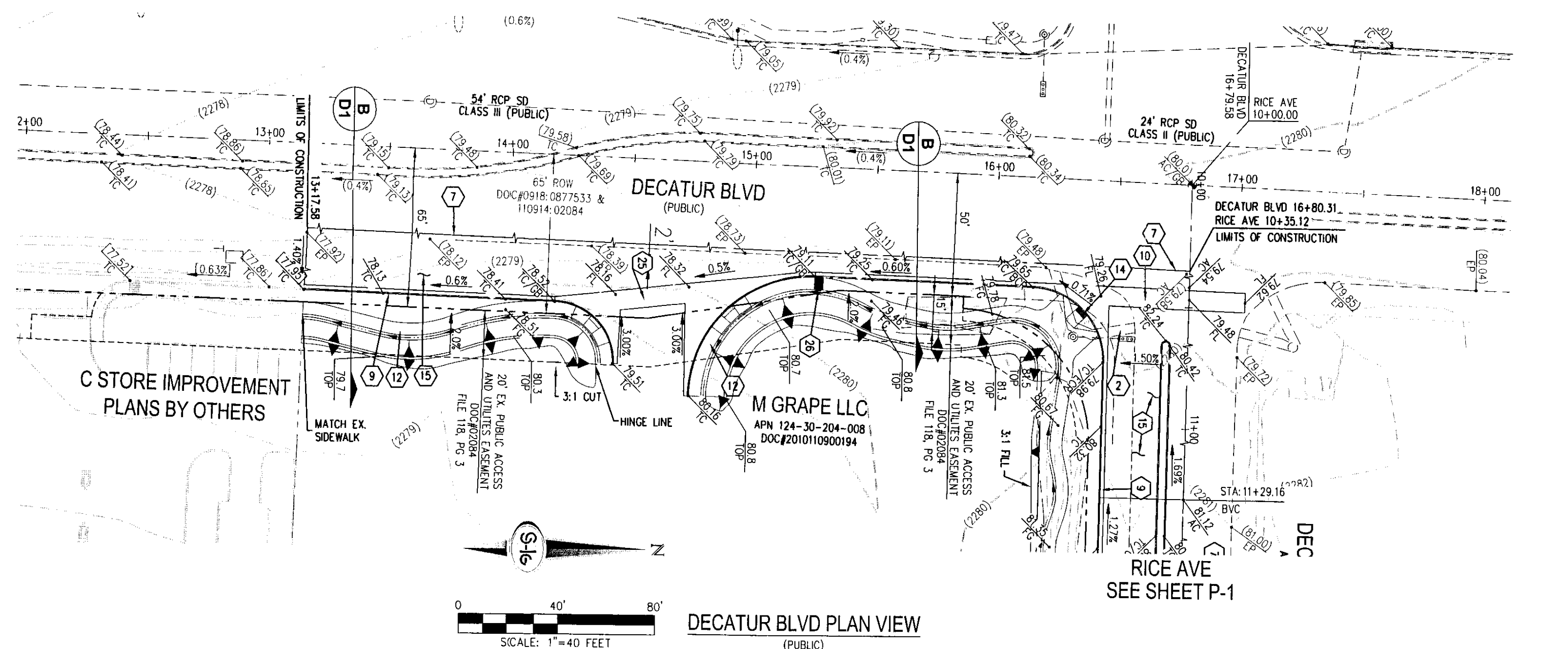
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-3300 FAX (702) 284-3399

IMPROVEMENT PLANS FOR TROPICAL PKWY AND CENTENNIAL PKWY ROADWAY IMPROVEMENTS PLAN AND PROFILE - TROPICAL PKWY

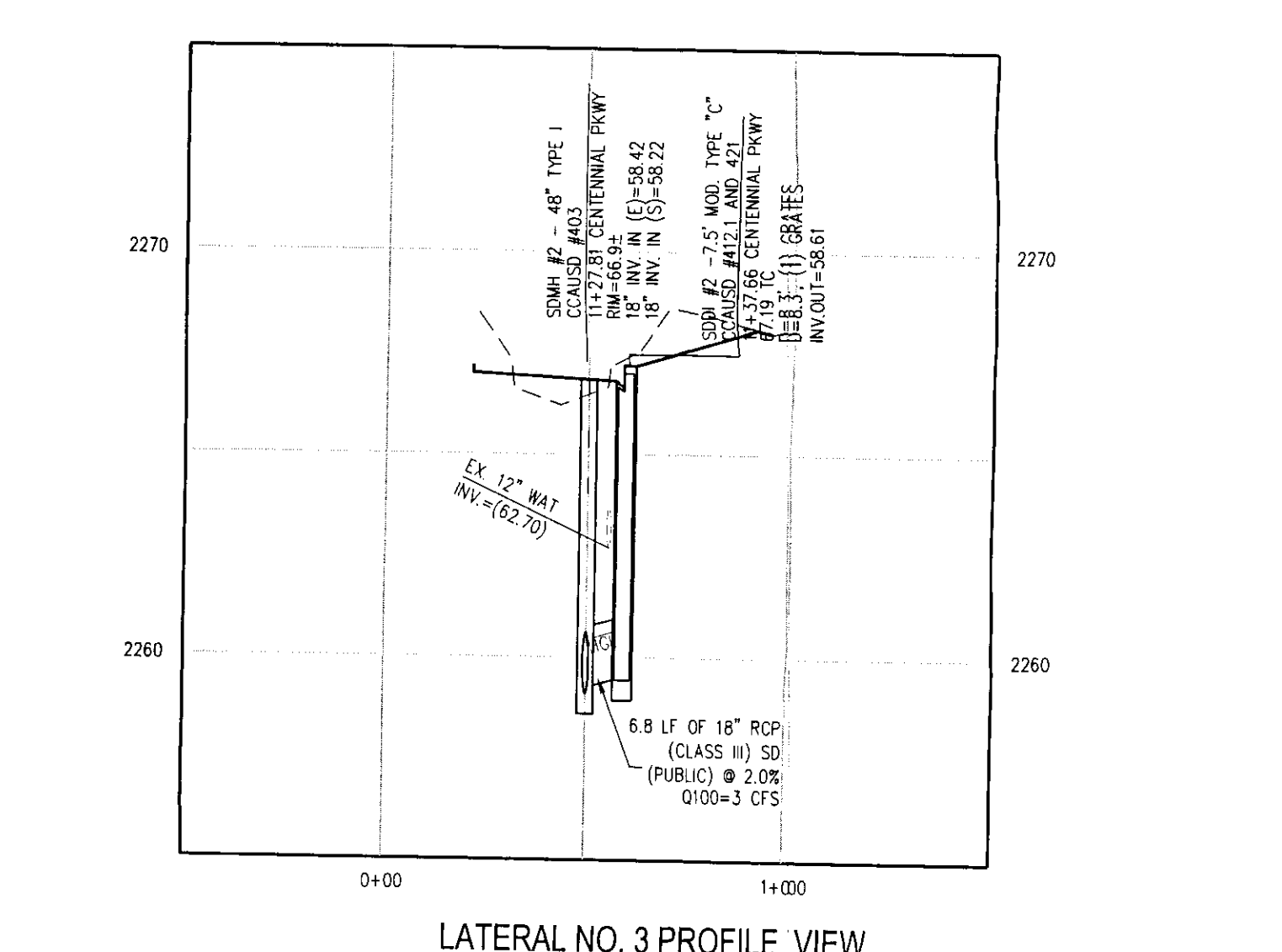
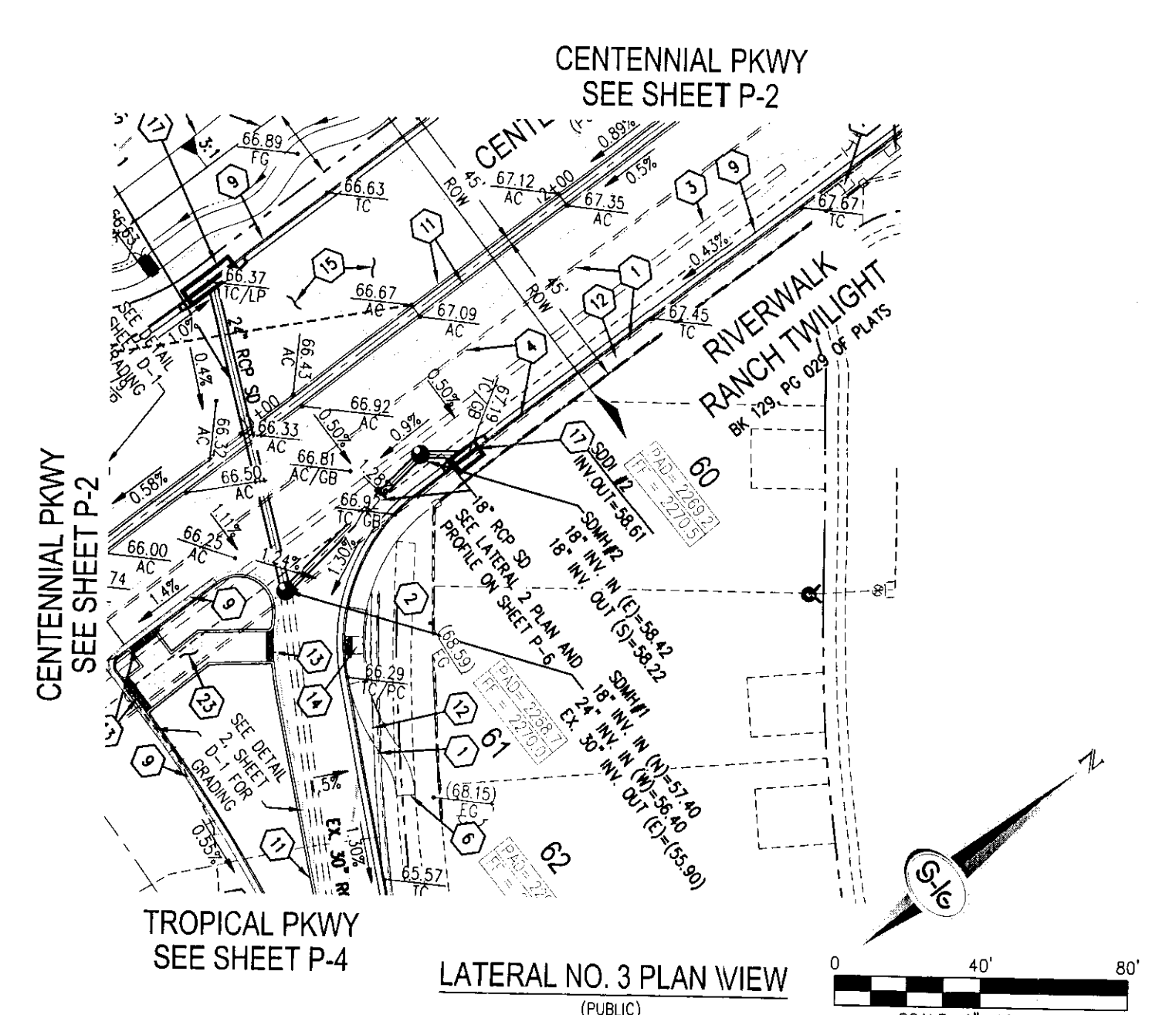
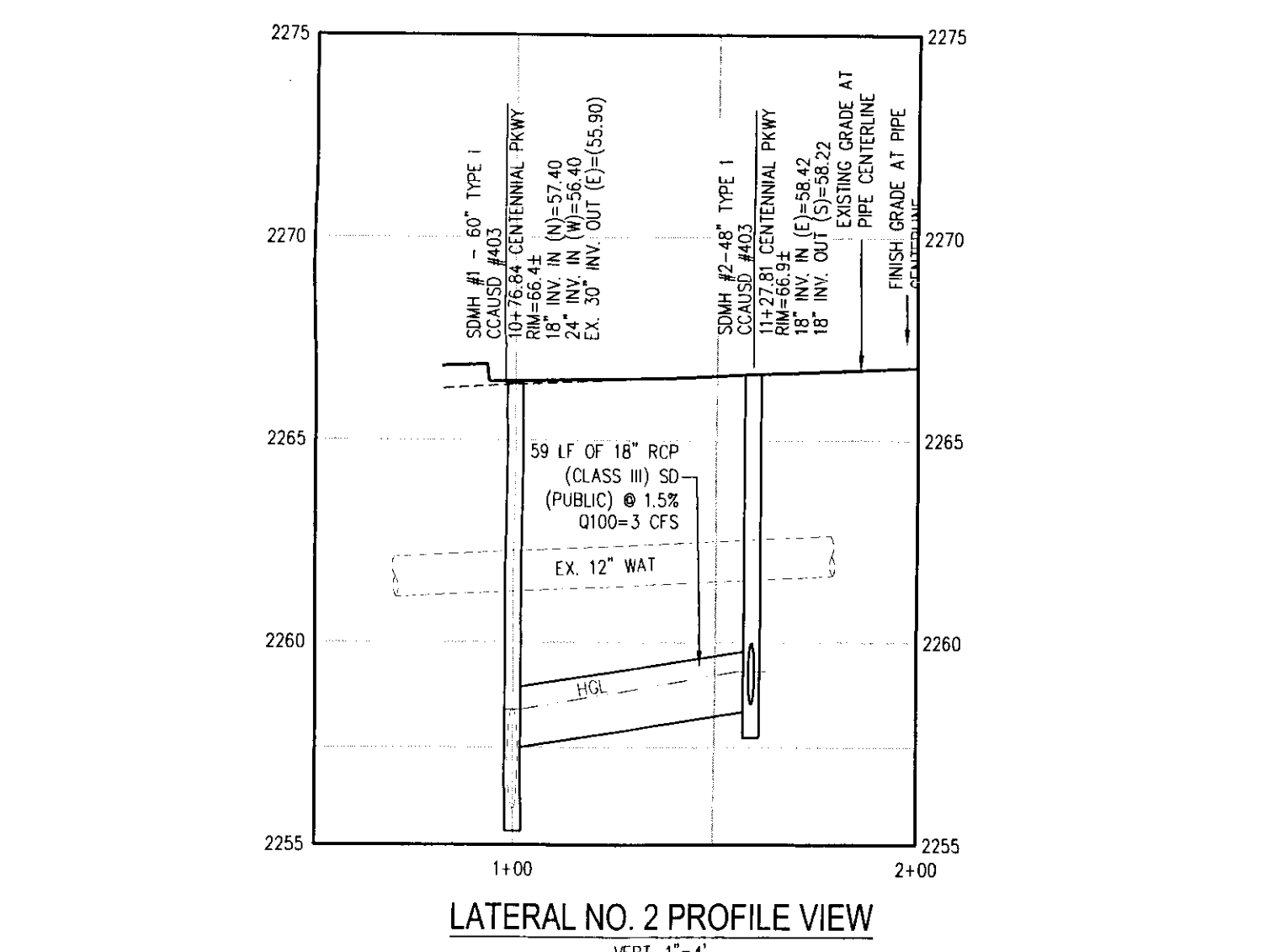
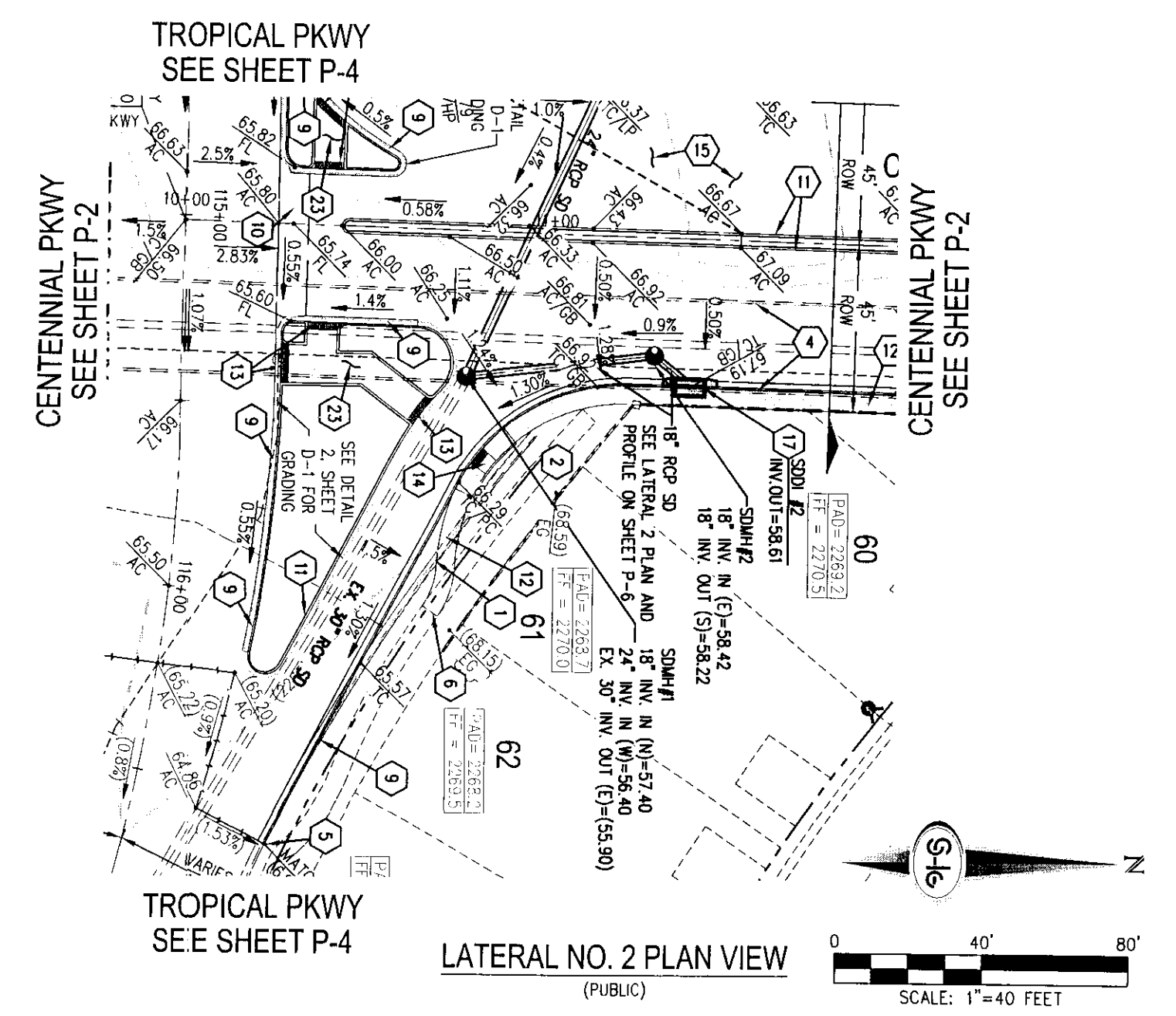
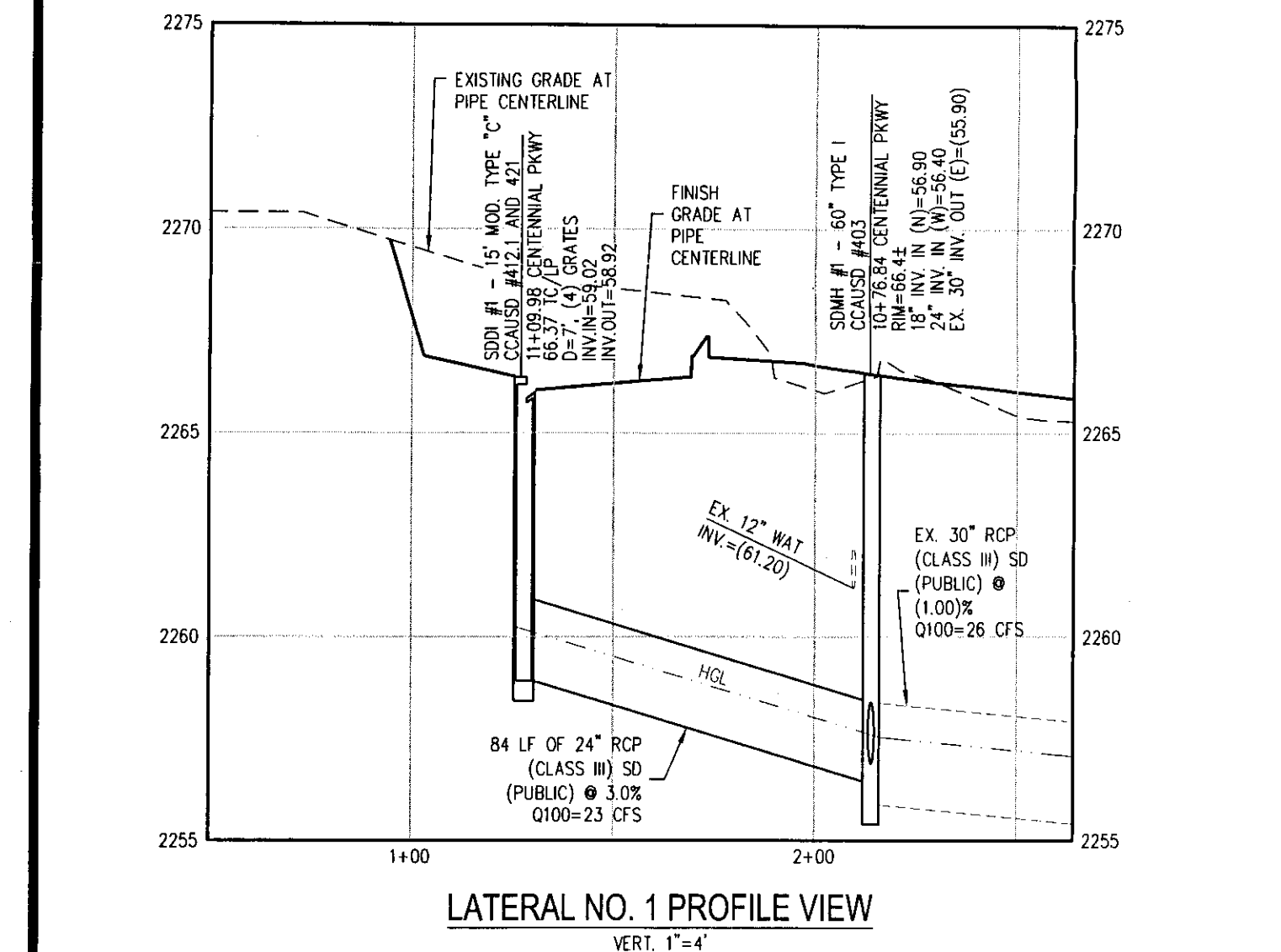
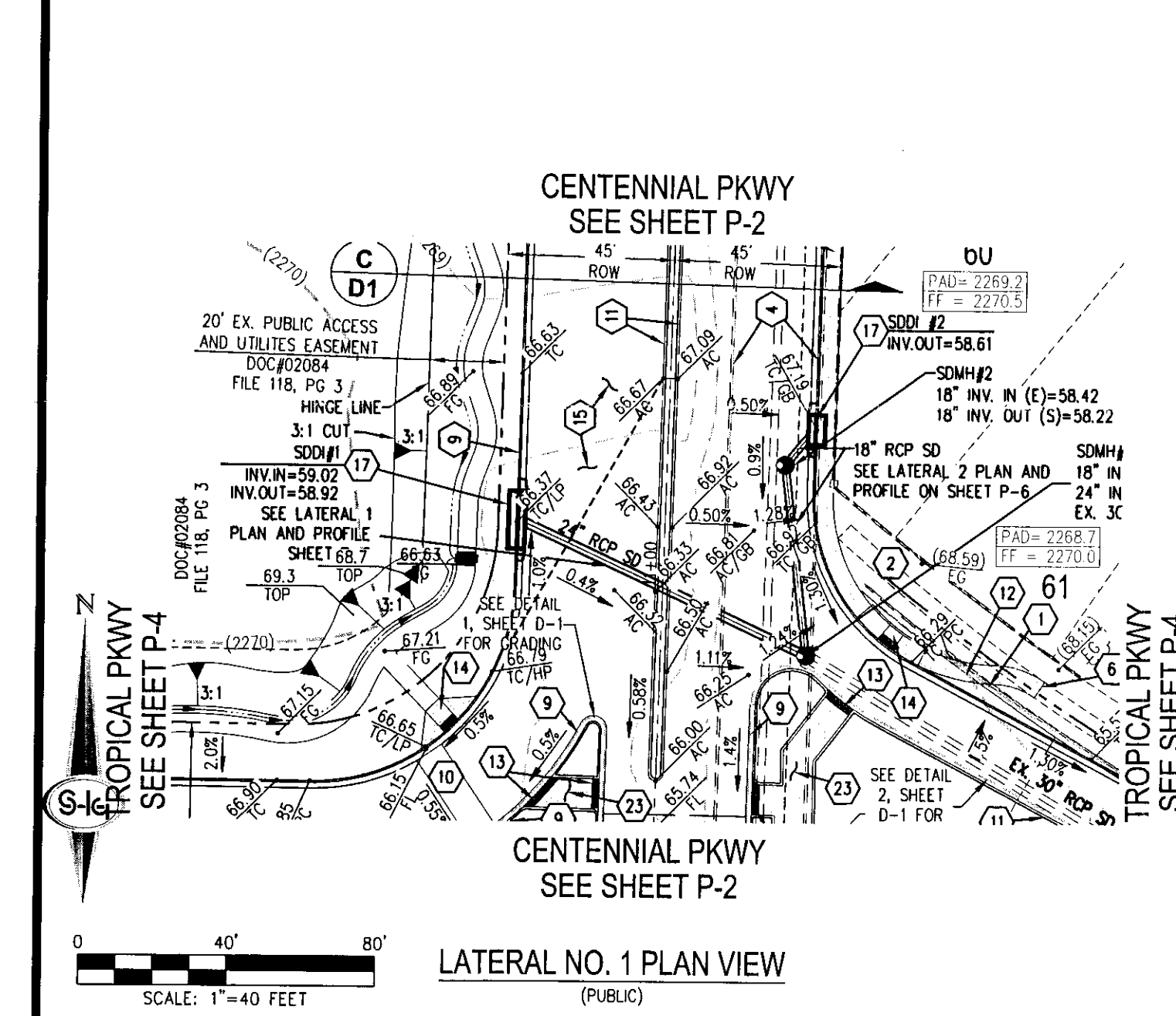
M GRAPE LLC

CITY OF NORTH LAS VEGAS, NV

DATE: 12/12/11
DRAFTER: BC
DESIGNER: BC
CHECKED: RF
PROJECT NO. **MGL1101.000**

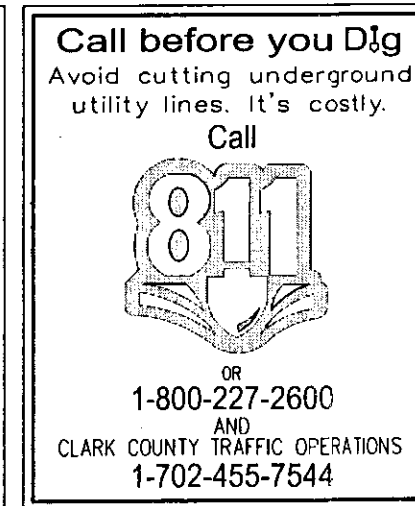
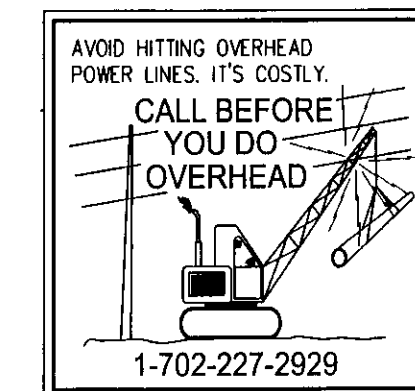


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JENNIFER DOODY, P.E. MANAGER, DEVELOPMENT AND PLANNING DIVISION DATE: _____

SL HA GR

CONSULTING ENGINEERS & ARCHITECTS

5740 S. ARVILLE STREET #216 LAS VEGAS, NV 89119

PHONE (702) 284-5300

DATE: 12/12/11

DRAFTER: BC

DESIGNER: BC

CHECKED: RF

PROJECT NO. MGL1101.000

RAY F. FREDERICKSEN

12/19/11

P-6

SHEET 8 OF 14