

NO.	DWG	DESCRIPTION
1	C1	COVER SHEET
2	C2	GENERAL NOTES SHEET
3	C3	PROJECT DATA AND MISCELLANEOUS NOTES SHEET
4	IG	INTERIM CHANNEL GRADING PLAN
5	G1	GRADING PLAN I
6	G2	GRADING PLAN II
7	G3	GRADING PLAN III
8	G4	GRADING PLAN IV
9	G5	GRADING PLAN V
10	G6	GRADING PLAN VI
11	G7	GRADING PLAN VII
12	G8	GRADING PLAN VIII
13	G9	GRADING PLAN IX
14	G10	GRADING PLAN X
15	G11	GRADING PLAN XI
16	G12	GRADING PLAN XII
17	G13	GRADING PLAN XIII
18	G14	GRADING PLAN XIV
19	P1	STORM CHANNEL PLAN AND PROFILE – STA 13+50 TO STA 19+00
		8'X9' RCB PLAN AND PROFILE
20	P2	RECTANGULAR CHANNEL PLAN AND PROFILE – STA 19+00 TO STA 25+00
21	P3	RECTANGULAR CHANNEL PLAN AND PROFILE – STA 25+00 TO STA 31+00
22	P4	RECTANGULAR CHANNEL PLAN AND PROFILE – STA 31+00 TO STA 37+00
23	P5	RECTANGULAR CHANNEL PLAN AND PROFILE – STA 37+00 TO STA 44+00
24	P6	RECTANGULAR CHANNEL PLAN AND PROFILE – STA 44+00 TO STA 49+81.21
25	P7	STORM DRAIN PLAN AND PROFILE – STA 8+00 TO STA 14+00
26	P8	STORM DRAIN PLAN AND PROFILE – STA 14+00 TO STA 19+00
27	P9	STORM DRAIN PLAN AND PROFILE – STA 19+00 TO STA 23+00
28	P10	STORM DRAIN PLAN AND PROFILE – STA 23+00 TO STA 28+00
29	P11	STORM DRAIN PLAN AND PROFILE – STA 28+00 TO STA 33+50
30	P12	STORM DRAIN PLAN AND PROFILE – STA 33+50 TO STA 39+00
31	P13	STORM DRAIN PLAN AND PROFILE – STA 39+00 TO STA 45+00
32	P14	STORM DRAIN PLAN AND PROFILE – STA 45+00 TO STA 49+50
33	P15	STORM DRAIN PLAN AND PROFILE – STA 49+50 TO STA 54+00
34	P16	48" RCP LATERAL PLAN AND PROFILE – STA 18+59.89
		42" RCP LATERAL PLAN AND PROFILE – STA 33+95.00
35	P17	36" RCP LATERAL PLAN AND PROFILE – STA 44+49.18
		42" RCP LATERAL PLAN AND PROFILE – STA 49+94.73
36	P18	36" NUISANCE STORM DRAIN PLAN AND PROFILE
37	P19	DETENTION BASIN STORM DRAIN 1 PLAN AND PROFILE – BEGIN TO STA 4+00
38	P20	DETENTION BASIN STORM DRAIN 1 PLAN AND PROFILE – STA 4+00 TO END
39	P21	DETENTION BASIN STORM DRAIN 2 PLAN AND PROFILE
40	P22	DETENTION BASIN STORM DRAIN 3 PLAN AND PROFILE
		LEFT CHANNEL 24" STUB – STA 10+46.66
41	MG1	MASS GRADING I
42	MG2	MASS GRADING II
43	MG3	MASS GRADING III
44	MG4	MASS GRADING IV
45	MG5	MASS GRADING V
46	MG6	MASS GRADING VI
47	MG7	MASS GRADING VII
48	MG8	MASS GRADING VIII
49	MG9	MASS GRADING IX
50	MG10	MASS GRADING X
51	MG11	MASS GRADING XI
52	MG12	MASS GRADING XII
53	MG13	MASS GRADING XIII
54	MG14	MASS GRADING XIV
55	MG15	MASS GRADING XV
56	MG16	MASS GRADING XVI
57	MG17	MASS GRADING XVII
58	MG18	MASS GRADING XVIII
59	DB	OVERALL DETENTION BASIN
60	D1	DETAIL SHEET I
61	D2	DETAIL SHEET II
62	D3	DETAIL SHEET III
63	D4	DETAIL SHEET IV
64	D5	DETAIL SHEET V
65	D6	DETAIL SHEET VI
66	D7	DETAIL SHEET VII
67	D8	STAGE/STORAGE BASIN PARAMETERS
68	D9	MONITOR STATION DETAILS
69	D10	MONITOR STATION GRADING PLAN AND DETAILS

APN #137-13-101-007 APN #137-13-101-008
APN #137-14-601-002 APN #137-14-501-005
APN #137-14-601-003 APN #137-13-101-009



SACRA ENGINEERING LLC
RCBC DECK REMOVAL
DRAWING INDEX

CLIF PAVEMENT WAY

DEWEY HOLLOW

OFFENSE BLVD

RECREATION CENTER

400 BELLEVUE

LAKE MEAD BLVD

CLIF PAVEMENT WAY

KEYMAP
NOT TO SCALE

NO.	DWG	DESCRIPTION
70	S1	GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS
71	S2	TYPICAL RECTANGULAR CHANNEL DETAILS
72	S3	TYPICAL RECTANGULAR CHANNEL SECTIONS
73	S4	RECTANGULAR CHANNEL WALL SECTIONS
74	S5	CHANNEL TRANSITION DETAILS
75	S6	CHANNEL TRANSITION DETAILS II
76	S7	TYPICAL RECTANGULAR CHANNEL ACCESS RAMP DETAILS
77	S8	RECTANGULAR CHANNEL TO TRAPEZOIDAL CHANNEL TRANSITION STRUCTURE
78	S9	(2)'10'X14' RCB TO 10'X14' RCB TRANSITION STRUCTURE
79	S10	DEBRIS BASIN SPILLWAY
80	S11	DEBRIS BASIN SPILLWAY SECTION
81	S12	DEBRIS BASIN SPILLWAY
82	S13	DEBRIS BASIN RETAINING WALLS
83	S14	DETENTION BASIN SPILLWAY
84	S15	DETENTION BASIN SPILLWAY DETAILS
85	S16	TYPICAL RCB SECTIONS
86	S17	STILLING BASIN
87	S18	DEBRIS BASIN RETAINING WALLS
88	S19	MISCELLANEOUS DETAILS
89	S20	WATER QUALITY STANDPIPE AND OUTFALL

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 124631 DATE: _____
SHEETS: C1, C2, G1, G2, G5, G6, G10, P5, P8, P13, P15, P16, P17, MG18, D2, (D10), S2

NV ENERGY	DATE
NEVADA POWER COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.	
NV ENERGY - TRANSMISSION ENGINEERING	DATE

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

H#	64315	CLV DWG#	107Y5040-DI
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AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.

**CALL BEFORE
YOU DO
OVERHEAD**

1-702-227-2929

GCV
ENGINEERS & SURVEYORS

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

PN II, INC
7255 S. TENAYA WAY #200
LAS VEGAS, NV 89113
(702) 914-4800

PN II, INC
7255 S. TENAYA WAY #200
LAS VEGAS, NV 89113
(702) 914-4800

DATE: 07-27-17

REV	DATE	DESCRIPTION	DATE	AGEN APP	DATE	GCW APP
5	5/7/2014	REMOVE MANHOLE AND REUSE RBE COFF RAIL				
4	10/14/18	ASPH CURB/RAIL REVISION (SGL 3 PER STRUCTURAL PLANS)				

764-204-013

DESIGN: HN

DRAWN:

CHECK: WP

PLOT DATE: 07-27-17

PLOT TIME: 09:13:34

1535 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

GCL
ENGINEERS & SURVEYORS

PULTE HOMES

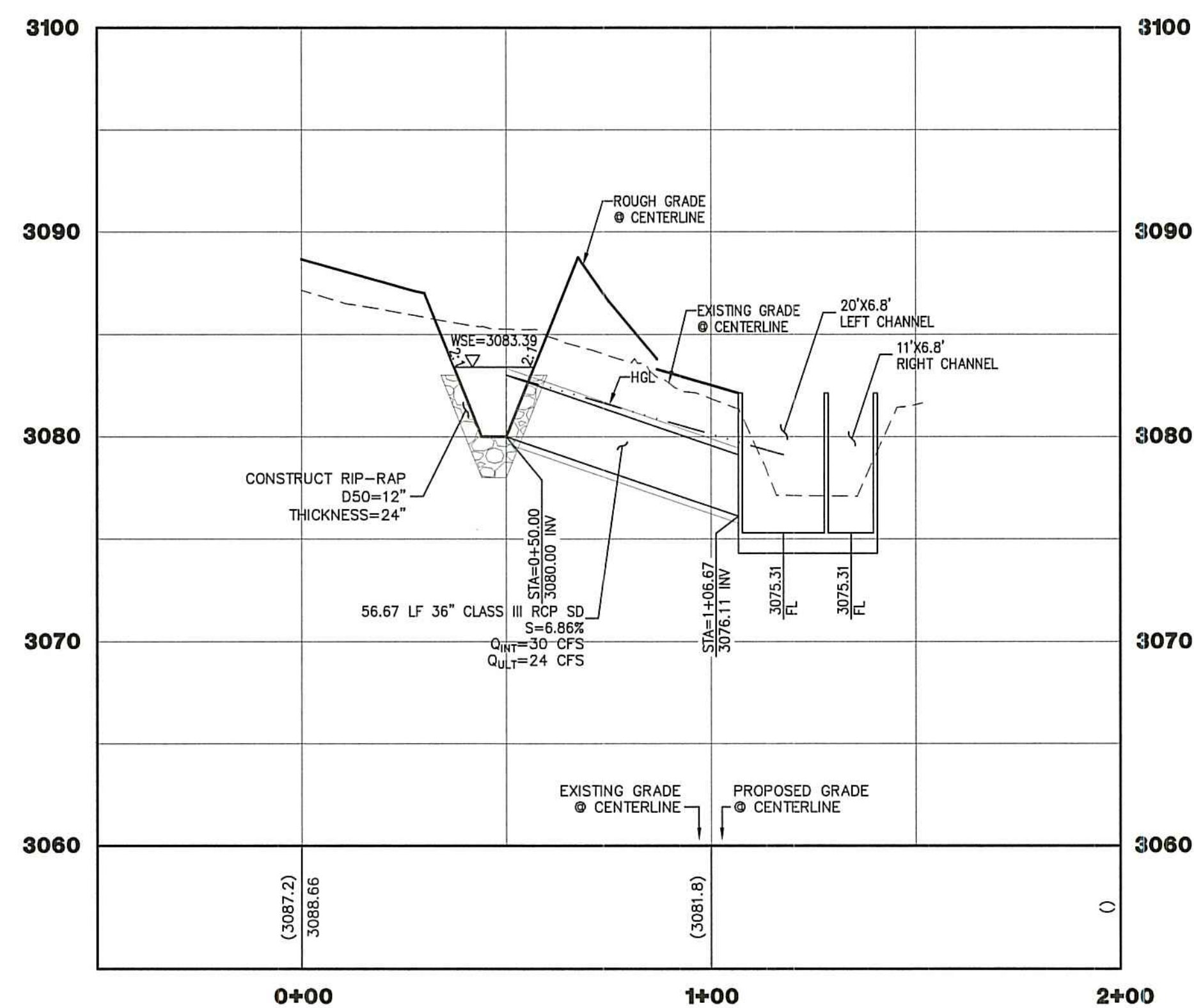
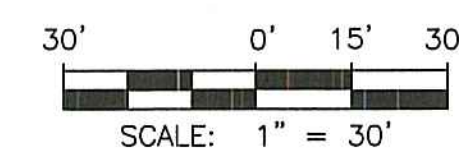
SUMMERLIN VILLAGE 26 - REVERENCE
OFFSITE DRAINAGE IMPROVEMENTS

COVER SHEET

DRAWING

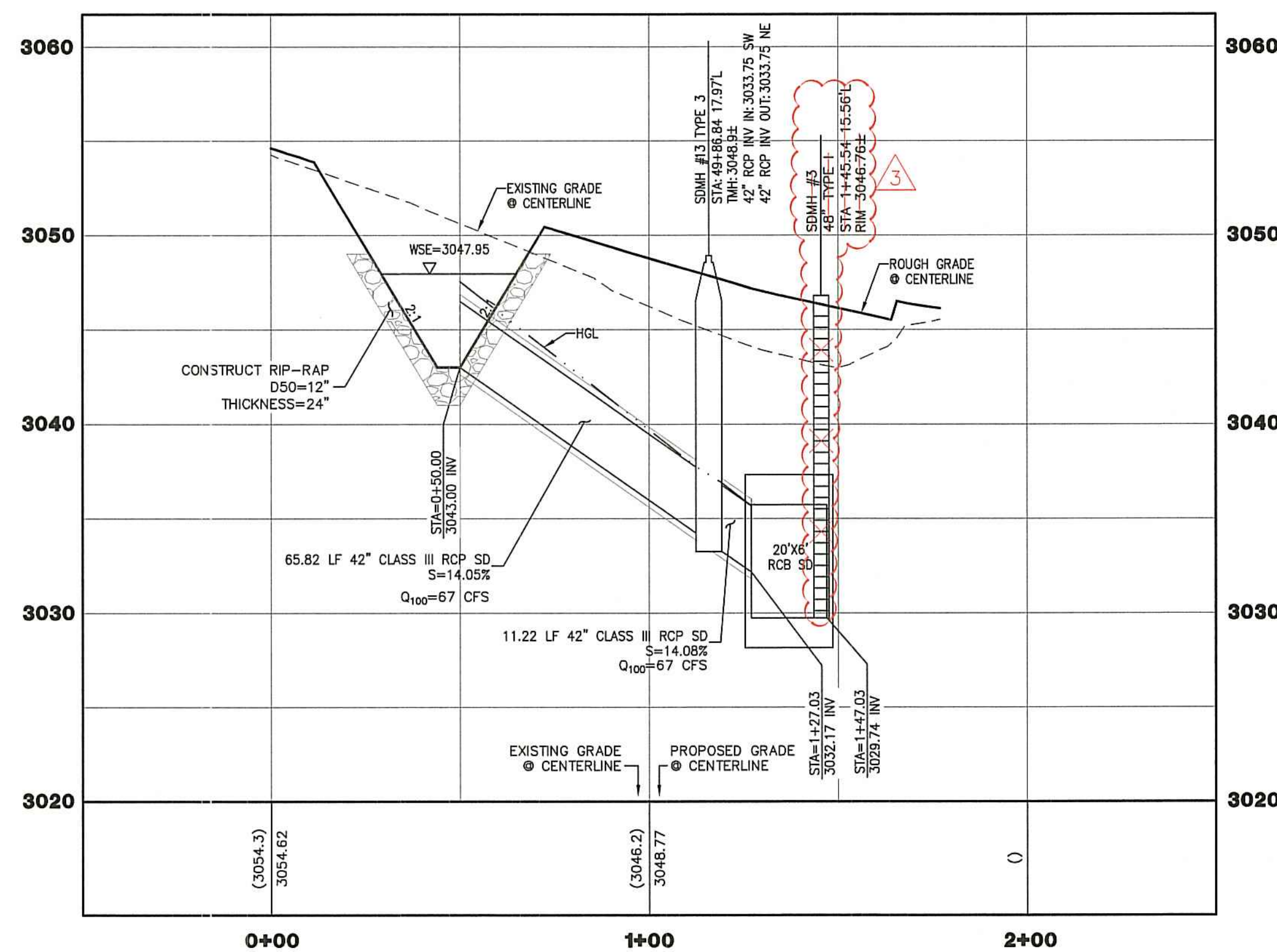
C1

1 OF 89 SHTS



PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 6'



PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 6'

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 124631 DATE: _____

STORM DRAIN NOTES:

- | | |
|------------|--|
| (A) | CONSTRUCT 48" TYPE I MANHOLE PER USDOCA DWG NO. 403. SEE DETAIL 1 ON SHEET S1 FOR PIPE PENETRATION DETAIL. |
| (B) | CONSTRUCT 48" TYPE I MANHOLE PER USDOCA DWG NO. 403.1. |
| (C) | CONSTRUCT 48" TYPE II MANHOLE PER USDOCA DWG NO. 405.1. |
| (D) | CONSTRUCT 60" TYPE III MANHOLE PER USDOCA DWG NO. 406.1. |
| (E) | CONSTRUCT LADDER PER DETAIL 11 ON SHEET S2. SEE SHEET C3 FOR LOCATION TABLE. |
| (F) | CONSTRUCT SPLASH GUARD AT CHANNEL ACCESS RAMP WALL PER DETAIL 3 ON SHEET S7. |
| (G) | CONSTRUCT 2" AC PAVEMENT OVER 4" TYPE II AB. |
| (H) | CONSTRUCT 2" CRUSHED GRAVEL OVER 4" TYPE II 95% COMPACTION FOR H2O DRIVABLE SURFACE. |
| (I) | CONSTRUCT 6' WIDE FLUME PER DETAIL B ON SHEET S19. |

NOTE TO CONTRACTOR

CONTRACTOR TO VERIFY ALL EXISTING SEWER, STORM DRAIN, & WATER SIZES, INVERTS AND LOCATIONS. IF A DISCREPANCY EXISTS, CONTRACTOR TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION.

BASIS OF BEARING

SOUTH 89°39'55" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK

PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: 5LV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVD88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42
FEET TO NAVD88 DATUM.

NOTE.

ALL EXISTING UTILITIES SHOWN FOR GRAPHICAL PURPOSES ONLY, CONTRACTOR RESPONSIBLE FOR UTILITY LOCATE AND VERIFICATION ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES.



H# 64315

CLV DWG# 107Y5040-DI

DATE: 07-27-17

[illegible]

PROJECT NO.	764-204-013
DESIGN:	HN
DRAWN:	
CHECK:	WP
PLOT DATE:	07-27-17
PLOT TIME:	09:18:04

LVD.
46

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89119
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

GCV
ENGINEERS & SURVEYORS

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	9+94.73

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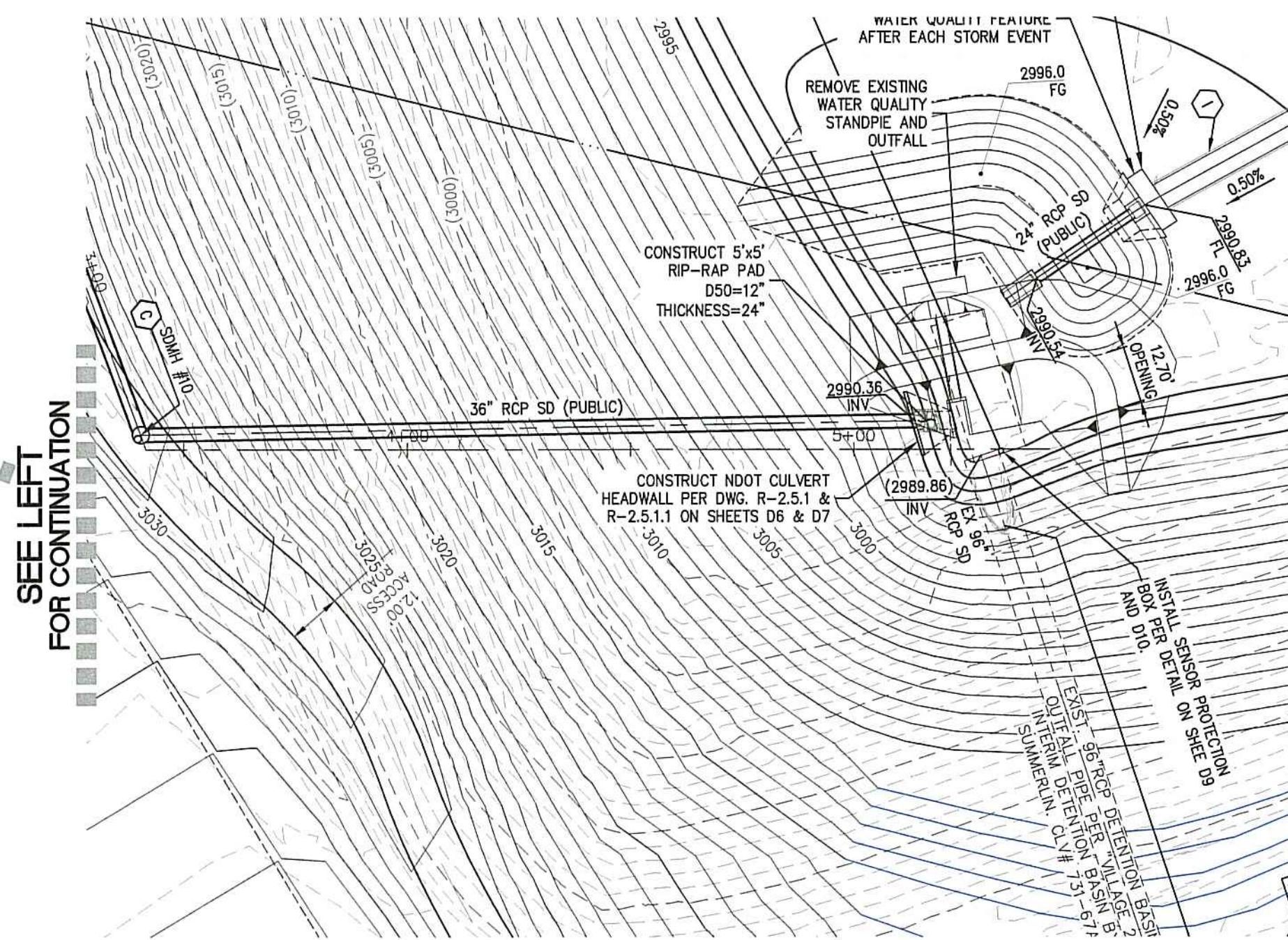
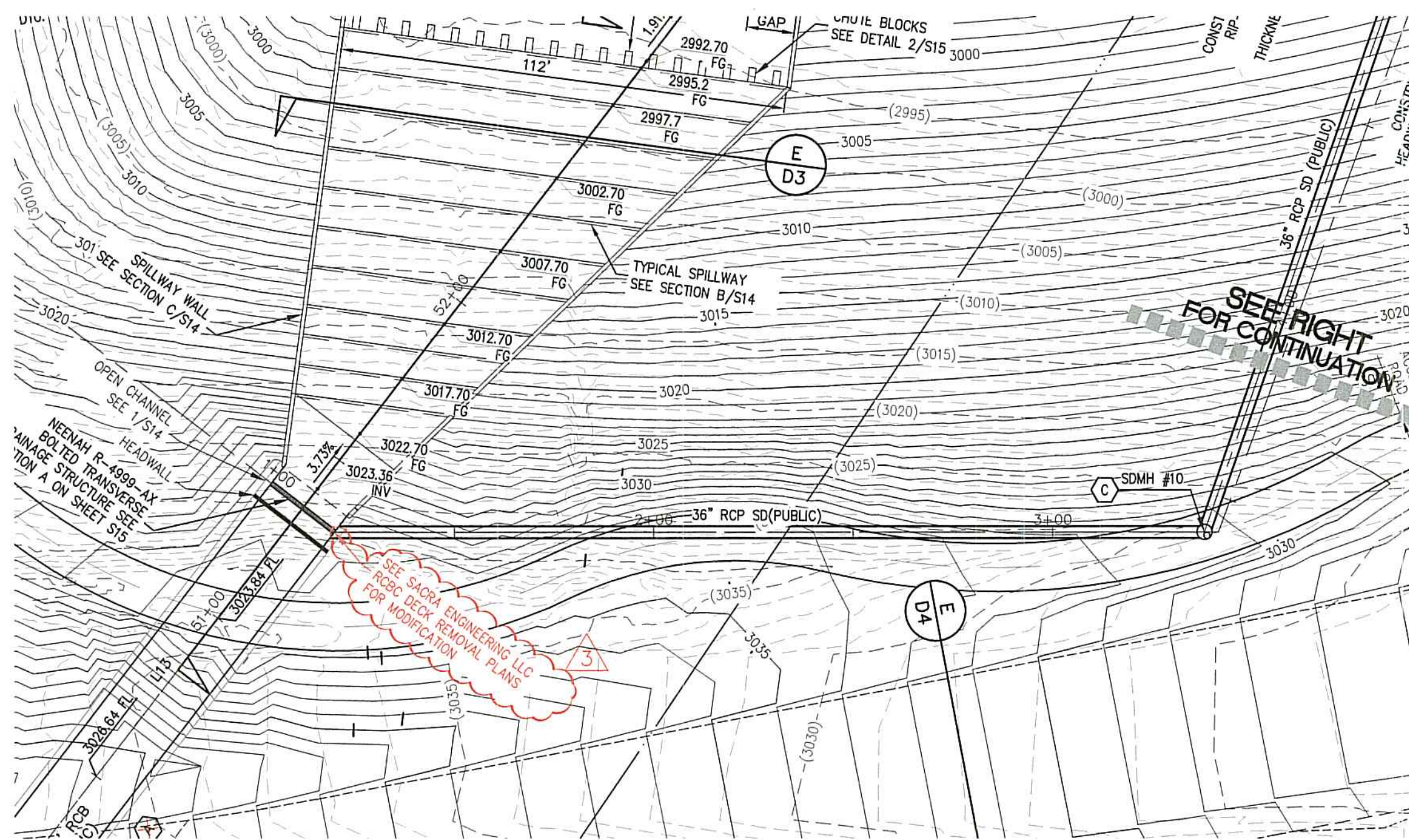
6" RC
2" RC

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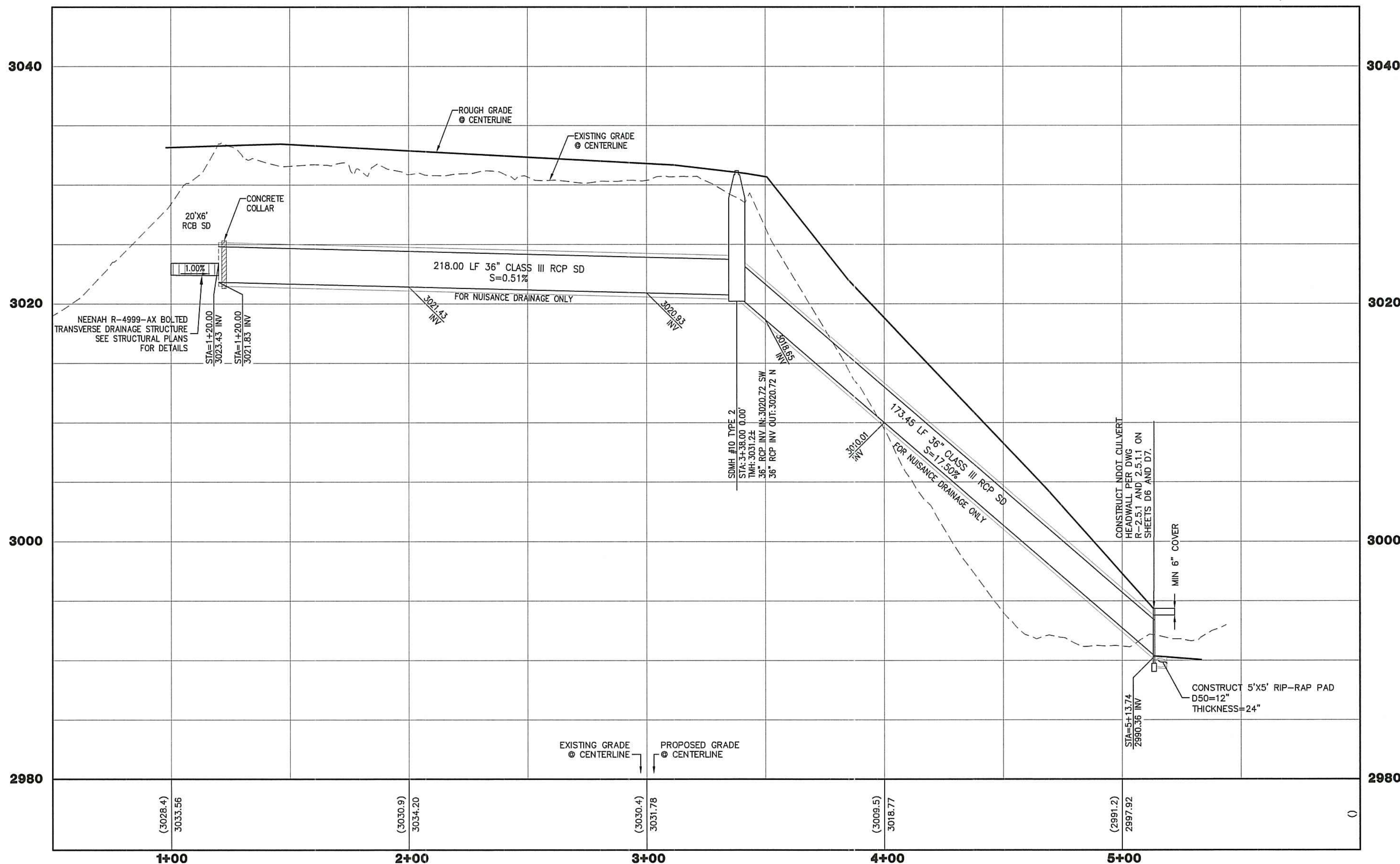
DRAWING

P17

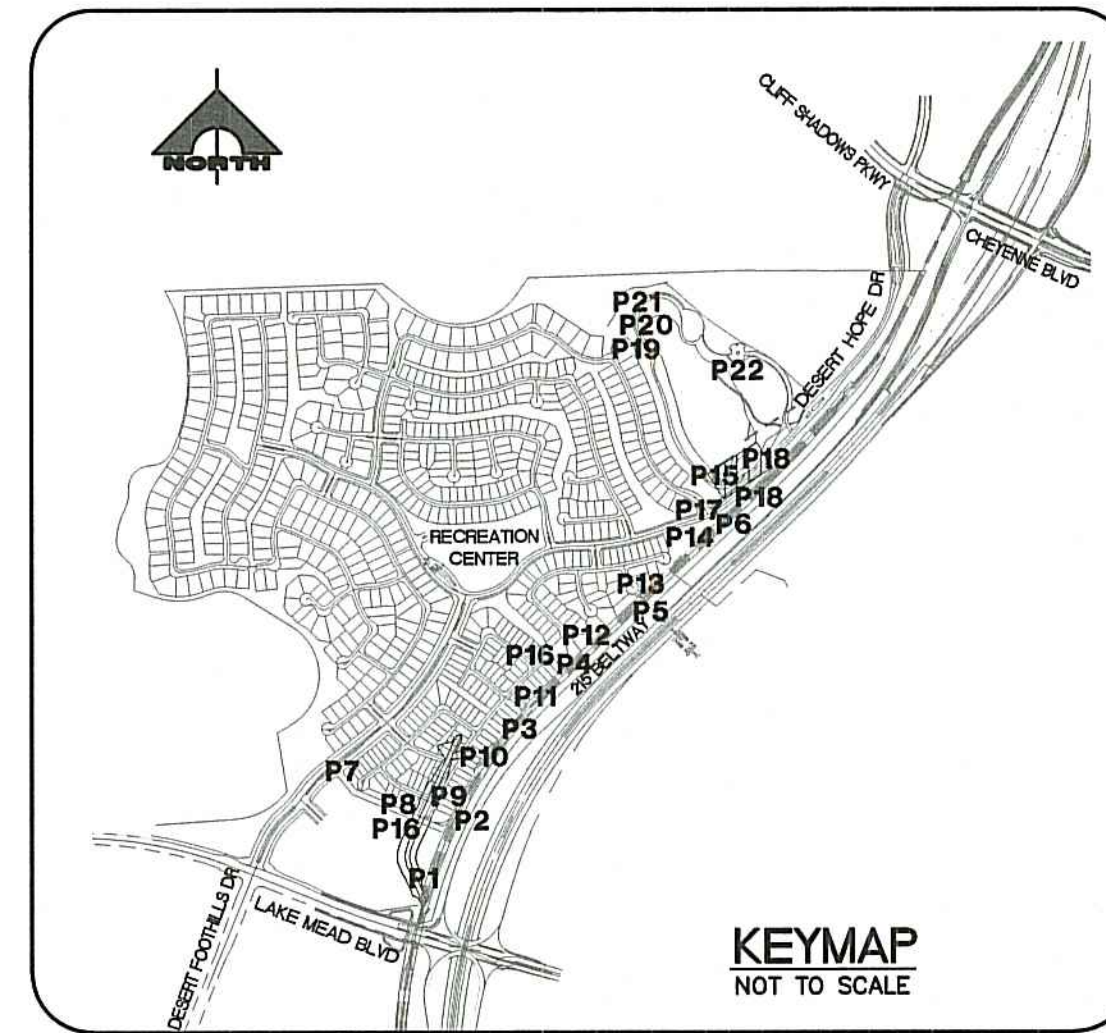
35 OF 89 SHTS



36' NUISANCE STORM DRAIN
(PUBLIC)
SCALE: 1"=30'



PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 6'



30' 0' 15' 30'
SCALE: 1" = 30'



STORM DRAIN NOTES:

- CONSTRUCT 48" TYPE I MANHOLE PER USDOCA DWG NO. 403. SEE DETAIL 1 ON SHEET S1 FOR PIPE PENETRATION DETAIL.
- CONSTRUCT 48" TYPE I MANHOLE PER USDOCA DWG NO. 403.1.
- CONSTRUCT 48" TYPE II MANHOLE PER USDOCA DWG NO. 405.1.
- CONSTRUCT 60" TYPE III MANHOLE PER USDOCA DWG NO. 406.1.
- CONSTRUCT LADDER PER DETAIL 11 ON SHEET S2. SEE SHEET C3 FOR LOCATION TABLE.
- CONSTRUCT SPLASH GUARD AT CHANNEL ACCESS RAMP WALL PER DETAIL 3 ON SHEET S7.
- CONSTRUCT 2" AC PAVEMENT OVER 4" TYPE II AB.
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NOTE TO CONTRACTOR

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BASIS OF BEARING

SOUTH 89°39'55" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK

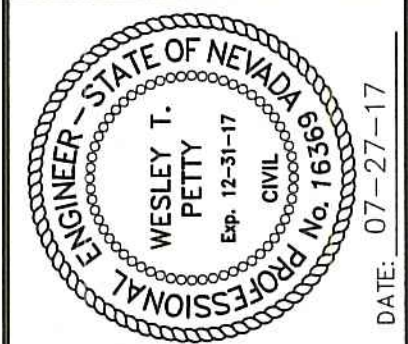
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET NAVD88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD88 DATUM.



NOTE:

ALL EXISTING UTILITIES SHOWN FOR GRAPHICAL PURPOSES ONLY. CONTRACTOR RESPONSIBLE FOR UTILITY LOCATE AND VERIFICATION ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES.

H# 64315 CLV DWG# 107Y5040-D1



PROJECT NO.	DATE	DESCRIPTION
764-204-013		
DESIGN: HN		
DRAWN: WP		
CHECK: WP		
PLOT DATE: 07-27-17		
PLOT TIME: 09:18:29		
REV	DATE	DESCRIPTION
1	07/26/17	REMOVE MANHOLE AND REUSE RCB OUTFALL

PROJECT NO.
764-204-013
DESIGN: HN
DRAWN: WP
CHECK: WP
PLOT DATE: 07-27-17
PLOT TIME: 09:18:29

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
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F: 702.804.2299
gcnengineering.com
ENGINEERS & SURVEYORS
NATHAN LIM

PULTE HOMES
SUMMERLIN VILLAGE 26 - REVERENCE
OFFSITE DRAINAGE IMPROVEMENTS
36' NUISANCE STORM DRAIN
PLAN AND PROFILE

DRAWING
P18
36 OF 89 SHTS

GENERAL NOTES

I. GENERAL:

A. DESIGN SPECIFICATIONS:

1. GENERAL: "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH ED.," 2014.
2. IBC 2012 (WITH SOUTHERN NEVADA AMENDMENTS)

B. CONSTRUCTION SPECIFICATIONS: CLARK COUNTY UNIFORM STANDARDS FOR PUBLIC WORKS CONSTRUCTION.

C. DESIGN METHODOLOGY: REINFORCED CONCRETE ARCH DESIGN IS BASED ON FINITE ELEMENT, SOIL-STRUCTURE INTERACTION COMPUTER MODEL ANALYSIS.

D. DESIGN LOADS:

1. DEAD LOADS: SELF WEIGHT OF STRUCTURE CONCRETE = 150 PCF
SOIL BACKFILL = 120 PCF.
2. LIVE LOADS: HL-93 TRUCK LOAD

3. SOIL LOADS:

- a. SOIL BEARING PRESSURE 4000 PSF
b. ACTIVE EARTH PRESSURE 35 PSF/FT

E. VERIFY ALL CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO START OF WORK. ESTABLISH AND VERIFY ALL OPENINGS, BLOCKOUTS, AND INSERTS. RESOLVE ALL DISCREPANCIES PRIOR TO START OF CONSTRUCTION.

F. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.

G. DETAILS ON CONSTRUCTION DRAWINGS ARE TYPICAL WHETHER SPECIFICALLY INDICATED BY CUTS, REFERENCES, TITLES, OR NOT. IN CASE OF CONFLICTS, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.

II. FOUNDATIONS AND EARTHWORK:

A. EXCAVATION:

1. INSTALL CRIBBING, SHEATHING, AND SHORING TO SAFELY RETAIN ALL EARTH EMBANKMENTS PER OSHA.

B. BACKFILLING

1. ARCH BACKFILLING MAY TAKE PLACE WHEN THE CONCRETE HAS REACHED A MINIMUM STRENGTH OF F'C = 3000 PSI.
2. BACKFILL SHALL BE PLACED IN ONE FOOT MAXIMUM LIFTS AND IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT. BACKFILL SHALL BE COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D698.
3. MATERIALS USED FOR BACKFILL SHALL BE NATIVE OR IMPORTED GRANULAR SOILS WITH A MAXIMUM P.I.=15 AND A MAXIMUM PARTICLE SIZE OF 3".

III. CONCRETE:

A. CONCRETE

1. CONCRETE SHALL BE CLASS D MODIFIED, SHALL HAVE A W/C RATIO OF .45 AND HAVE A MINIMUM 28 DAY STRENGTH OF F'C =4500 PSI @ 28 DAYS USING TYPE V CEMENT. CONCRETE SLUMP SHALL BE 4-6 INCHES.
2. ALL CONCRETE SHALL BE READY MIX CONFORMING WITH ASTM C-94.

B. REINFORCING STEEL (MATERIALS):

1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.

C. REINFORCING STEEL (PLACEMENT & INSTALLATION):

1. ALL REINFORCING SHALL BE PLACED AND INSTALLED IN ACCORDANCE WITH ACI 318.
2. ALL BENDS AND HOOKS SHALL CONFORM TO ACI 315 U.N.O. BEND DIMENSIONS ARE MEASURED FROM OUT TO OUT. BARS SHALL NOT BE UNBENT AND RE-BENT EXCEPT AS NOTED.
3. REINFORCING BARS SHALL BE CONTINUOUS OR LAPPED NOT LESS THAN 40 BAR DIAMETERS. LAPS SHALL BE STAGGERED A MINIMUM OF ONE LAP LENGTH U.N.O.
4. MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE SHOWN ON DRAWINGS:
a. CONCRETE PLACED DIRECTLY AGAINST EARTH 3 INCHES.
b. FORMED CONCRETE 2 INCHES.

D. ALL REINFORCING BARS, ANCHOR BOLTS, LIGHTING CONDUITS, AND CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.

E. FINISHING

1. CHAMFER EXPOSED CORNERS 3/4" U.N.O.

F. CURING (LIQUID-MEMBRANE METHOD)

1. CONCRETE SURFACES SHALL BE CURED USING LIQUID-MEMBRANE CURING COMPOUND, TYPE I, CONFORMING TO THE REQUIREMENTS OF ASTM C 309.
2. APPLICATION RATE SHALL BE 100 SQUARE FEET (MIN) PER GALLON.
3. CURE ALL UNFORMED SURFACES IMMEDIATELY AFTER ANY REQUIRED SURFACE FINISHING HAS TAKEN PLACE.
4. CURE ALL FORMED CONCRETE SURFACES IMMEDIATELY AFTER FORM REMOVAL HAS TAKEN PLACE, UNLESS A SEVEN- DAY FORM CURE HAS TAKEN PLACE.
5. CURING COMPOUND SHALL FORM A CONTINUOUS, UNBROKEN MEMBRANE. IF THE MEMBRANE FILM IS BROKEN DURING THE CURING PERIOD IT SHALL BE RESTORED TO ORIGINAL REQUIREMENTS.
6. PROVIDE A BULKHEAD TO PREVENT "WIND TUNNEL DRYING EFFECT" AT ONE END OF ARCH AT ALL TIMES UNTIL COMPLETION OF CURING PROCESS.

IV. SPECIAL INSPECTIONS:

A. THE SPECIAL INSPECTORS SHALL PROVIDE INSPECTIONS DURING PLACEMENT OF BACKFILL, REINFORCEMENT, CONCRETE, AND EPOXY DOWELING. THE INSPECTOR SHALL SUBMIT A STATEMENT TO THE OWNER, CONTRACTOR, AND ENGINEERING SYSTEM SOLUTIONS INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

B. SPECIAL INSPECTION OF THE FILL AROUND THE CULVERT SHALL BE PROVIDED AT A FREQUENCY AS NECESSARY TO ENSURE THAT PROPER FILL AND COMPACTION IS ACHIEVED. COMPACTION TESTS FOR EACH LIFT SHALL BE TAKEN FOR EVERY 2500 SQUARE FEET PLACED AS A MINIMUM. THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLIANCE REPORT TO THE OWNER, CONTRACTOR, AND ENGINEERING SYSTEM SOLUTIONS DOCUMENTING FILL TYPE AND PROCEDURES OF PLACEMENT.

A. SPECIALTY ITEMS

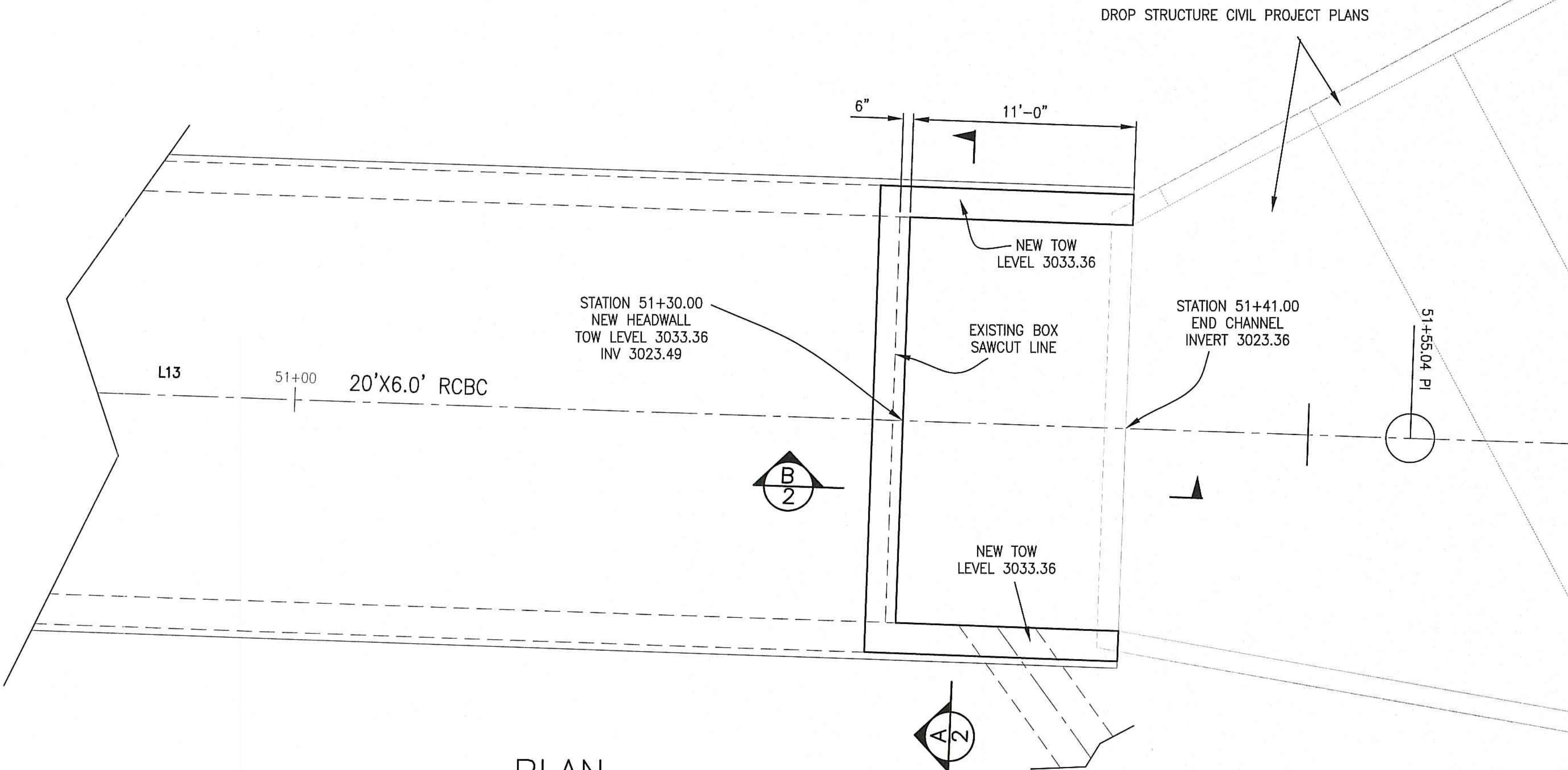
PREFABRICATED OR SPECIALTY ITEMS AND THEIR COMPONENTS, WHICH ARE INDICATED BY THE STRUCTURAL DRAWINGS TO BE DESIGNED BY OTHERS, MAY BE SUBMITTED TO THE ARCHITECT AND/OR ENGINEER OF RECORD FOR REVIEW AS A DEFERRED SUBMITTAL PROVIDED THAT SUCH SUBMITTAL IS AUTHORIZED BY THE BUILDING DEPARTMENT. DEFERRED SUBMITTALS REQUIRED TO BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

-REBAR PLACEMENT SHOP DRAWINGS

B. PREPARATION

ALL DEFERRED SUBMITTALS SHALL INCLUDE CALCULATIONS AND DRAWINGS PREPARED IN ACCORDANCE WITH ALL APPLICATION BUILDING CODES AND STAMPED BY AN APPROPRIATELY LICENSED PROFESSIONAL ENGINEER. SUBMITTALS SHALL SHOW LOCATION AND MAGNITUDE OF LOADS, SIZE AND CONFIGURATIONS OF MEMBERS, AND COMPATIBILITY WITH THE PRIMARY STRUCTURAL SYSTEM.

LINE TABLE		
LINE	LENGTH	BEARING
L13	158.41'	N1° 50' 58.38"E



PLAN
SCALE 1/4"=1'-0"

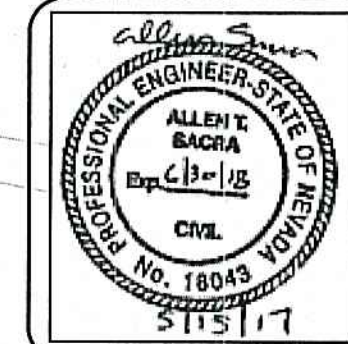
DEMO EXISTING BOX DECK FROM STA 51+30 TO 51+41

SACRA ENGINEERING LLC

CONSULTING ENGINEERS
65141 E DIAMOND RIDGE CT
TUCSON, ARIZONA 85739
PH: (520) 444-4501

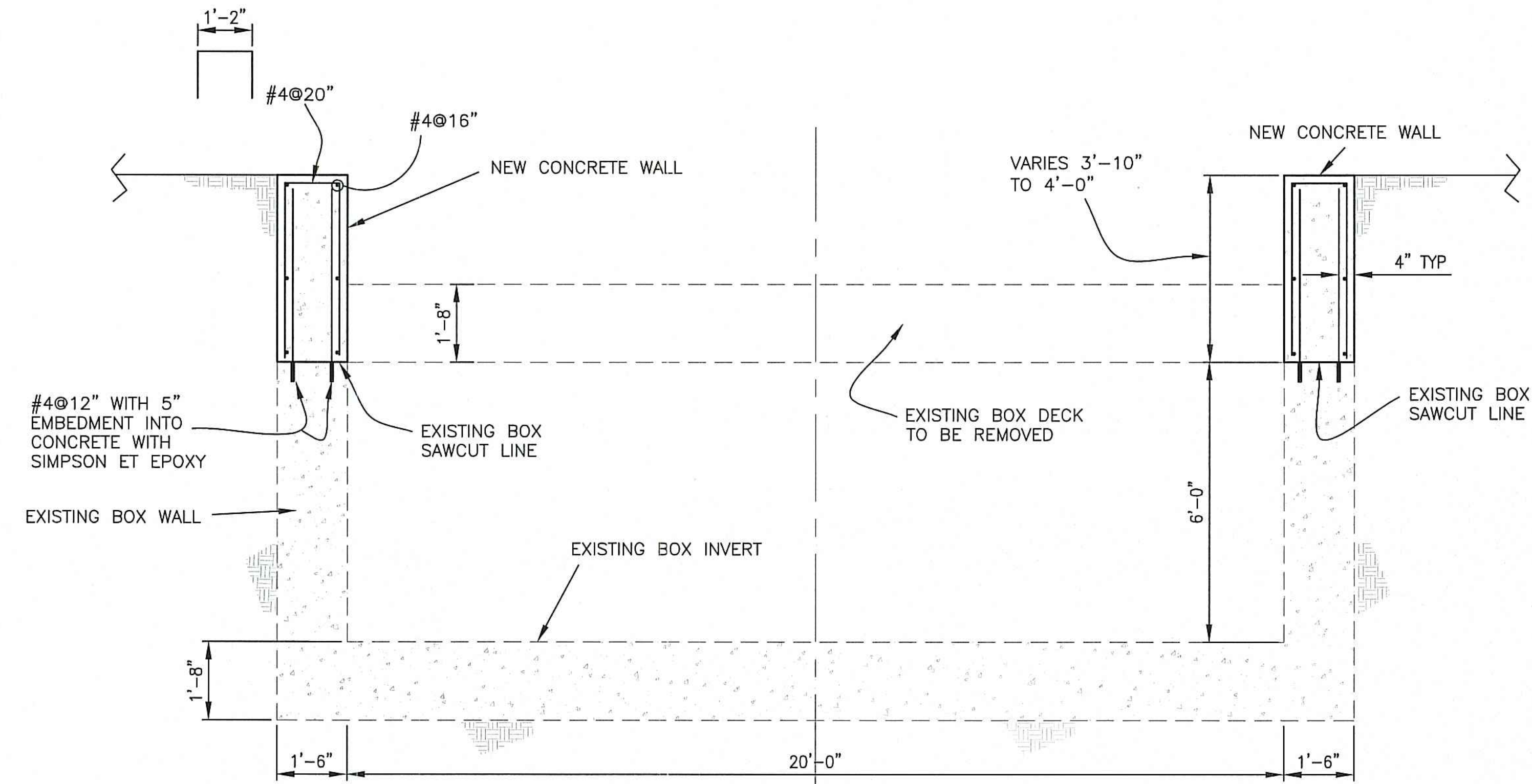
SUMMERLIN VILLAGE 26 REVERENCE
RCBC DECK REMOVAL

CITY OF LAS VEGAS, NEVADA

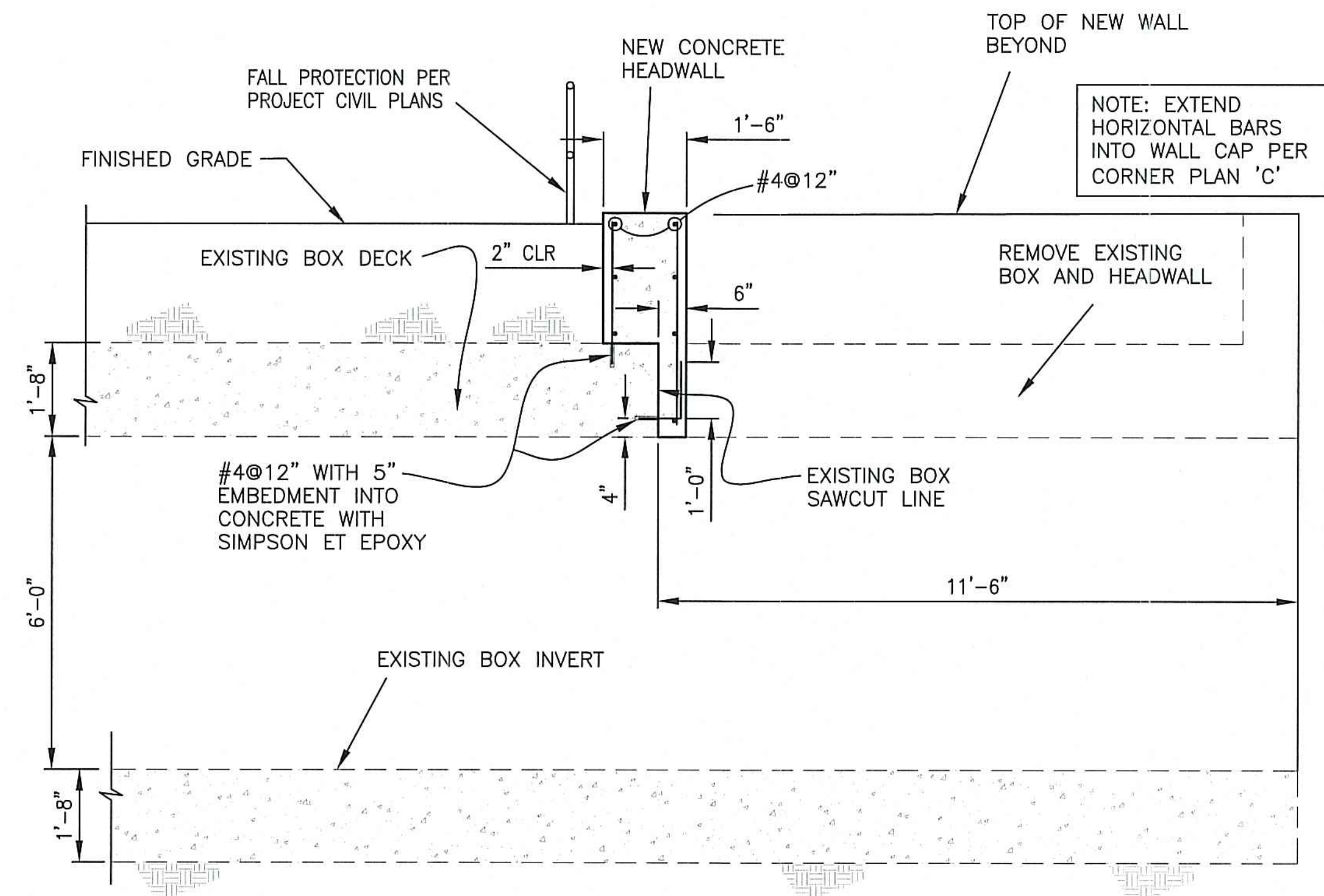


Dsgn: ATS
Drwn: ATS
Rvsd: --
Chk: ATS
Date: 5/15/17
SCALE: AS NOTED
SHEET NO. 1 OF 2
Proj. No. 1616

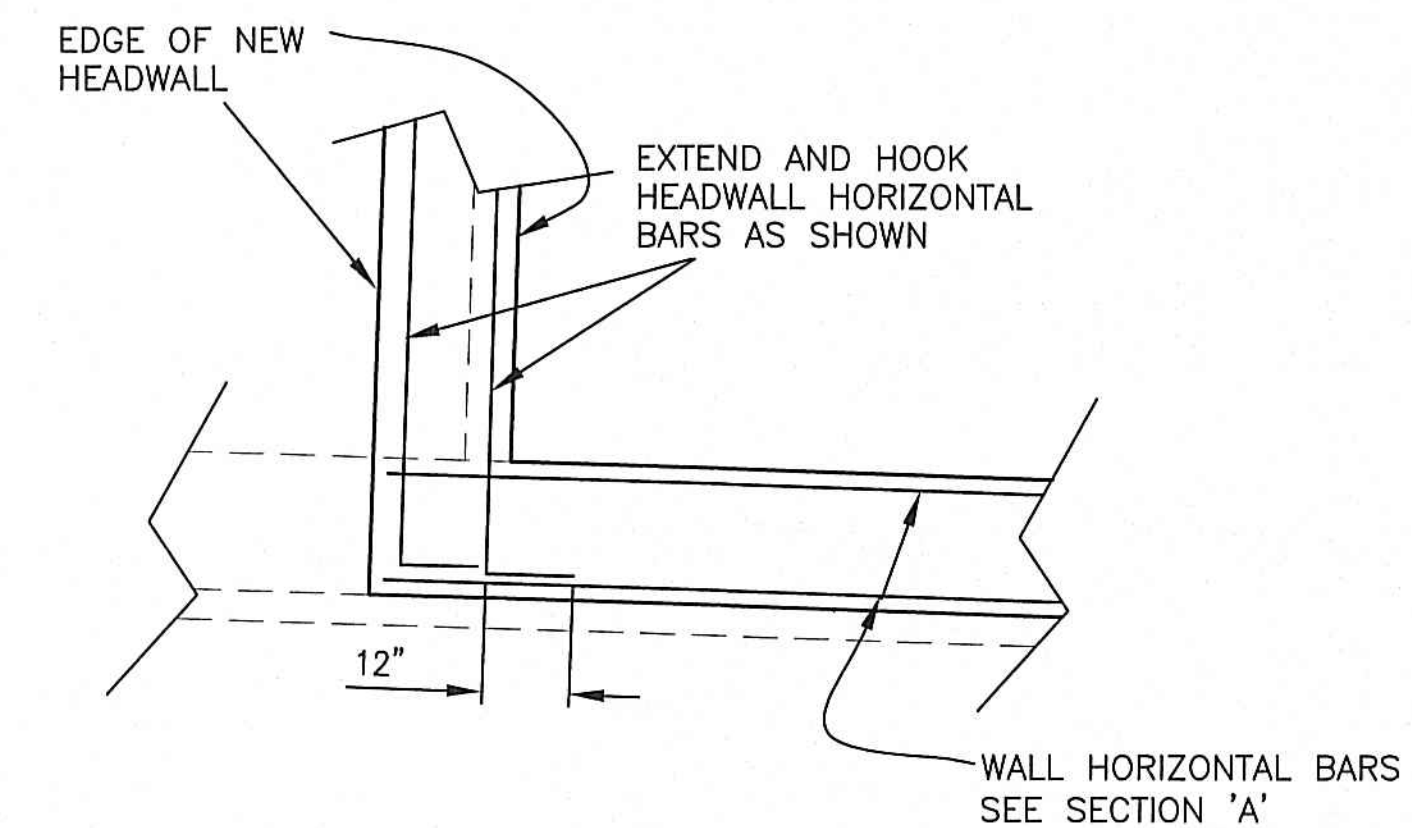
NO	DATE	REVISION	BY
1			



(A) SECTION
1/2"=1'-0"



(B) SECTION
1/2"=1'-0"



(C) CORNER PLAN
1/2"=1'-0"

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Chk: ATS
Date: 5/15/17
SCALE: AS NOTED
SHEET NO. 2 OF 2
Proj. No. 1616

NO	DATE	REVISION	BY
1			
2			