

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORKS AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION, ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1±	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5±	+0.1' TO -0.1'	SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE. COMPACTION SHALL COMPLY WITH THE REQUIREMENTS OF THE ENGINEER.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE IMMEDIATELY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, SUCH ITEM SHALL BE PROVIDED, AS DIRECTED BY THE CITY ENGINEER, AT THE EXPENSE TO THE CITY OF LAS VEGAS. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHT-OF-WAY. THIS SHALL BE AS A RESULT OF CONSTRUCTION OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SET FORTH IN THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS AT LEAST ONCE FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICULAR TRAFFIC, OR OTHER SOURCES OF POLLUTION. INSPECTIONS WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY TO REFLECT ANY CHANGES TO THE PROJECT. THIS SHALL APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT. IF THE BMP IS EARTHEN, SEDIMENT SHALL BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY ORDINANCES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON THE PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE DURING CONSTRUCTION OF SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' UP IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE' UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE INTERSECTIONS, NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DIVISION OF HIGHWAY AND THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREIN.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF ALL PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO THE INLET FOR THE CONNECTION OF SEWER SERVICE LATERALS TO THE STORM DRAIN MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATE DATA SHALL ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

NO PORTION OF THE SITE FALLS WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA. SITE LOCATED ON PANEL 32003C2150E, DATED SEPTEMBER 27, 2002, TO REFLECT A LOWR. THIS PANEL SHOWS THAT THE PROJECT IS LOCATED WITHIN A ZONE X AND NOT LOCATED WITHIN A FEMA DESIGNATED 100-YEAR ZONE A OR SPECIAL FLOOD HAZARD AREA.

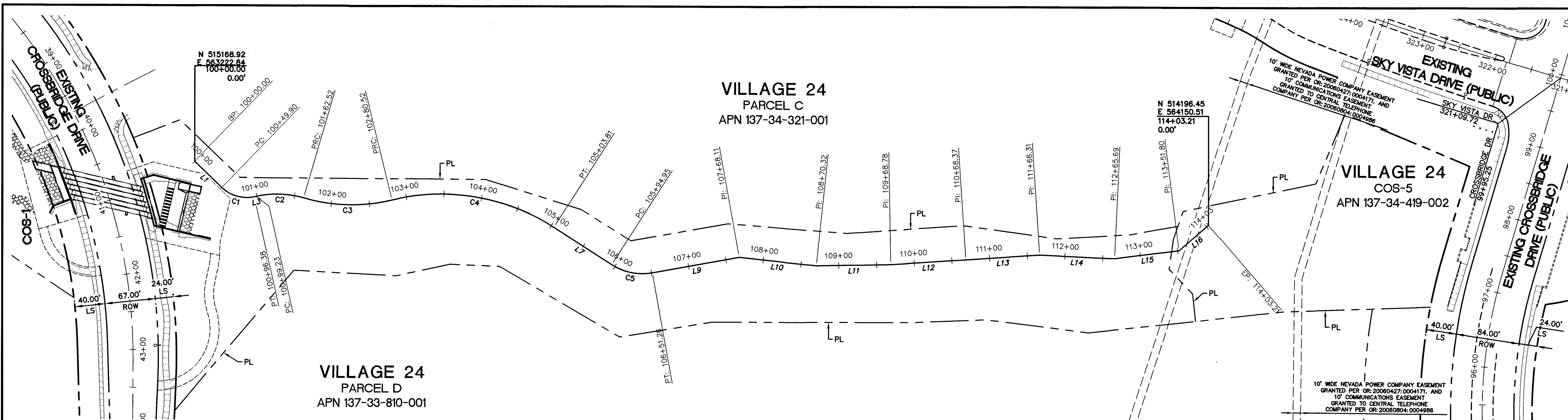
	PROPOSED UTILITIES		DRAWING NUMBER FOR THE SHEET W/ REF. TO THE SHEET WHERE IT IS SHOWN
	EXISTING UTILITIES		STANDARD DRAWING NUMBER
	FUTURE UTILITIES		GOVERNING AGENCY
	SECTION LINE		BENCHMARK
	EASEMENT LINE		POTHOLE LOCATION
	RIGHT-OF-WAY LINE		EXISTING NVR RS-100
	PROPERTY LINE		EXISTING DROP INLET
	CENTERLINE		PROPOSED DROP INLET
	100 YR HYDRAULIC GRADE LINE (ULT)		FUTURE DROP INLET
	100 YR HYDRAULIC GRADE LINE (INT)		EXISTING GATE VALVE
	PROPOSED UTILITY (BY OTHERS)		PROPOSED GATE VALVE
	PROPOSED SEWER LINE W/MH		FUTURE GATE VALVE
	FUTURE SEWER LINE W/MH		EXISTING WATER METER
	EXISTING SEWER LINE W/MH		PROPOSED WATER METER
	EXISTING WATER LINE & GATE VALVE		EXISTING TRAFFIC SIGNAL PULL BOX
	PROPOSED WATER LINE & GATE VALVE		PROPOSED SIGNAL PULLBOX
	FUTURE WATER LINE & GATE VALVE		EXISTING TELEPHONE MANHOLE
	2" G		EXISTING POWER POLE
	EXISTING GAS LINE		EXISTING ELEC MARKER
	2.6" E		EXISTING TRAFFIC SIGNAL
	EXISTING UNDERGROUND ELECTRICAL		PROPOSED TRAFFIC SIGNAL
	CATV		EXISTING FIRE HYDRANT
	EXISTING CABLE TV		PROPOSED FIRE HYDRANT
	TEL		FUTURE FIRE HYDRANT
	EXISTING TELEPHONE		EXISTING UTILITY BOX
	OHP		EXISTING METER BOX
	EXISTING OVERHEAD AND POWER POLES		PROPOSED CONTOUR
	PROPOSED STORM DRAIN W/MH		EXISTING CONTOUR
	EXISTING STORM DRAIN W/MH		SPOT ELEVATION
	FUTURE STORM DRAIN W/MH		EXISTING SPOT ELEVATION
	EXISTING SIDEWALK AND RAMP		FUTURE SPOT ELEVATION
	CONSTRUCT CURB DEPRESSION FOR FUTURE HANDICAP RAMP		EXISTING CLARK COUNTY STREET LIGHT (STLT)
	VIEW FENCE		ROAD SLOPE
	NEW ABANDONED PIPE		EXISTING SUMMERLIN STREET LIGHT (STLT)
	EXISTING ABANDONMENT		PROPOSED SUMMERLIN STREET LIGHT (STLT)
	SAWCUT		TOP SLOPE
	STEEL CASING		TOE SLOPE
	APPROXIMATE PAVEMENT RESTORATION		3:1 SLOPE UNLESS OTHERWISE NOTED ON PLAN
	TO BE ABANDONED PROFILE HATCH		
	WATER STUB WITH BLOW-OFF		
	FUTURE WATER STUB WITH BLOW-OFF		
	SEWER STUB WITH CAP		
	FUTURE SEWER STUB WITH CAP		
	EDGE OF PAVEMENT		
	CUT LIMIT LINE		
	FILL LIMIT LINE		

AC	ASPHALT CONCRETE, ACRE	FH	FIRE HYDRANT	RCB	REINFORCED CONCRETE BOX
ACP	ASBESTOS CEMENT PIPE	FL	FLOW LINE	RCP	REINFORCED CONCRETE PIPE
ADCL	ADDITIONAL	FO	FIBER OPTIC	RD	ROAD
ADL	ANGLE POINT	FR	FIBERGLASS REINFORCED PLASTIC	RDM	ROADWAY
APN	ASSESSOR'S PARCEL NUMBER	FS	FINISH SURFACE	REC	RECTANGULAR
APPROX	APPROXIMATELY	FT	FOOT/FEET	REF	REFERENCE
ASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	FTG	FOOTING	REFIN	REINFORCED
		TU	FUTURE	REQD	REQUIRED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	G	GAS	RIM	TOP OF RIM ELEVATION
		GA	GAGE, GUY ANCHOR	RND	ROUND
AVE	AVENUE	GB	GRADE BREAK	RQW/R	RIGHT OF WAY
AVAR	AIR VALVE, AIR RELEASE	GND	GROUND	RP	RADIUS POINT
		GRD	GRADE, GROUND	RPM	RAISED PAVEMENT MARKERS
AWWA	AMERICAN WATER WORKS ASSOCIATION	H	HEIGHT	RSVG	RESILIENT SEAT GATE VALVE
		HGT	HEADWALL	S	SOUTH
BCR	BEGIN CURB RETURN	HGL	HYDRAULIC GRADE LINE	SCH	SCHEDULE
BC	BEGIN CURB RETURN	HORIZ	HORIZONTAL	SD	STORM DRAIN
BLVD	BULEVARD OF LAND MANAGEMENT	HPC	HIGH POINT, HIGH PRESSURE	SDM	STORM DRAIN MANHOLE
BLM	BULEVARD	HPS	HIGH PRESSURE SODIUM	SECT	SECTION
BW	BENCHMARK	IBC	INTERNATIONAL BUILDING CODE	SF	SQUARE FOOT/FEET
BVCE	BLOW-OFF	INV	INVERT	SHLDR	SHOULDER
BO	BEGIN VERTICAL CURVE ELEVATION	INT	INTERIM	SHT	SHEET
BOS	BEGIN VERTICAL CURVE STATION	JT	JOINT	SIS	SUMMERLIN IMPROVEMENT
BW	BACK OF SIDEWALK	L	LENGTH	SL	STANDARDS
C	CENTERLINE	LT	LEFT	SP	STREET LIGHT
C	CURB AND GUTTER	LIP	LIP OF GUTTER	SQ	SQUARE
C&G	CURB AND GUTTER	LN	LANE	SR	SEWER RECLAIM. MAIN
C&M	CURB AND GUTTER	LPL	LIP POLE	SS	SANITARY SEWER
CCB	CLARK COUNTY BENCH MARK	LSCP	LANDSCAPE	SSMH	SANITARY SEWER MANHOLE
CCPW	CLARK COUNTY PUBLIC WORKS	LWWD	LAS VEGAS VALLEY WATER DISTRICT	STA	STATION
CCW	CLOSED CIRCUIT TELEVISION	MAX	MAXIMUM	ST	STREET
CCWD	CLARK COUNTY WATER RECLAMATION DISTRICT	MH	MANHOLE	STD	STANDARD
CFS	CUBIC FEET PER SECOND	MIN	MINIMUM	STL	STEEL
		MLCP	MORTAR LINED AND COATED PIPE	STRUCT	STRUCTURE
		MSA	MESA AREA	SW	SWELLABILITY ZONE
		MOD	MODIFY/MODIFIED	SW	SIDEWALK
		MON	MONUMENT	SWG	SOUTHWEST GAS
		MPH	MILES PER HOUR	TAN	TANGENT
CIP	CAST-IN-PLACE MANHOLE	MOD	MODIFY/MODIFIED	TB	TOP OF BERM
CIR	CAST-IN-PLACE PIPE	N	NEVADA DEPARTMENT OF TRANSPORTATION	TC	TOP OF CURB
CLR	CLEAR OR CLEARANCE	N	NEVADA DEPARTMENT OF TRANSPORTATION	TE	TEMPORARY CONSTRUCTION ESMT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	NOSHA	STATE OF NEVADA OCCUPATIONAL SAFETY AND HEALTH	TELE	TELEPHONE
			ADMINISTRATION	TEMP	TEMPORARY
CLV	CORRUGATED METAL PIPE	NVE	NEVADA ENERGY	TF	TOP OF FOOTING
CML	CONCRETE MASONRY UNIT	NV	NEVADA	TO	TOP OF
CNV	CITY OF NORTH LAS VEGAS	NT	NOT TO SCALE	TMH	TOP OF MANHOLE
CNO	CLEANOUT	OB	OVERBUILD	TOP	TOP OF PIPE
COND	CONDUIT	OC	ON CENTER	TOP	TOP OF PHONE POLE
COND	CONDUIT	OHC	OVERHEAD COX COMMUNICATION	TRANS	TRANSITION
CONST	CONSTRUCT OR CONSTRUCTION	OHP	OVERHEAD POWER LINE	TRW	TOP OF RETAINING WALL
COORD	COORDINATE	P	POWER LINE	TS	TRAFFIC SIGNAL
CEP	CORRUGATED POLYETHYLENE PIPE	PB	PULL BOX	TOP	TOP OF
CT	COURT	PBS	PLANTIXM BITUMINOUS SURFACE	TYP,(TYP)	TYPICAL
CD	CUBIC YARD(S)	PC	POINT OF CURVE, PRESSURE	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (LATEST EDITION)
DBL	DOUBLE	PC	POINT OF CURVE, PRESSURE	UG	UNDERGROUND
		PCC	CLASS OF COMPOUND CURE	UL	UNDERGROUND
DES	DESIGN AND CONSTRUCTION STANDARDS FOR WATERS	PE	PROJECT ENGINEER OR POLYETHYLENE	USD	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
		PED	PEDESTRIAN	USCCA	UNIFORM STD. DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION
DEF	DEFLECTION	PGL	PROFILE GRADE LINE		OFF-SITE IMPROVEMENTS CLARK COUNTY AREA, NEVADA (LATEST EDITION)
DEFL	DEFLECTION	PH	PTHOLE		
DE	DEGREE	PI	POINT OF INTERSECTION		
DIA, Ø	DIAMETER	PV	POST INDICATOR VALVE		
DIP	DIPT IRON PIPE	PLCP	POLYURETHANE LINED AND COATED STEEL PIPE		
DIST	DISTANCE				
DR	DRIVE	PMF	PAVEMENT MARKING FINE	UT	UNDERGROUND TELEPHONE
DSL	DOWNSPOUT	POB	POINT OF BEGINNING	VAR	VARIABLE/VARIES
DTL	DETAIL	POC	POINT OF CURVE	VC	VERTICAL CURVE
DW	DRIVEWAY	P.O.C.	POINT OF CONNECTION	VCP	VERTICAL CLAY PIPE
DWG	DRAWING	POT	POINT ON TANGENT	VERT	VERTICAL
E	EAST	PP	POWER POLE	VG	VALLEY GUTTER
ECR	END CURB RETURN	PRO	PROPOSED	VOL	VOLUME
ELE,ELEC	ELECTRICAL	PRC	POINT OF REVERSE CURVE	W	WATER, WEST
ELEV	ELEVATION	PRVC	POINT OF REVERSE CURVE	W/	WITH
EP, EOP	EDGE OF PAVEMENT	PSI	POUNDS PER SQUARE INCH	WOTUS	WATERS OF THE UNITED STATES
ESC	EDGE OF CURB	PT	POINT OF TANGENCY	WS	WATER SUPPLY
EV	EXISTING	PVC	POLYVINYL CHLORIDE	WTR	WATER
EXIST,EX	EXISTING	PVT	POINT OF VERTICAL INTERSECTION	XING	CROSSING
EXP	EXPANSION JOINT	PVMT	PAVEMENT	YD	YARD, YARD DRAIN
FF	FINISH FLOOR ELEVATION	PZ	PRESSURE ZONE	Z	PRESSURE ZONE
FG					

EAST

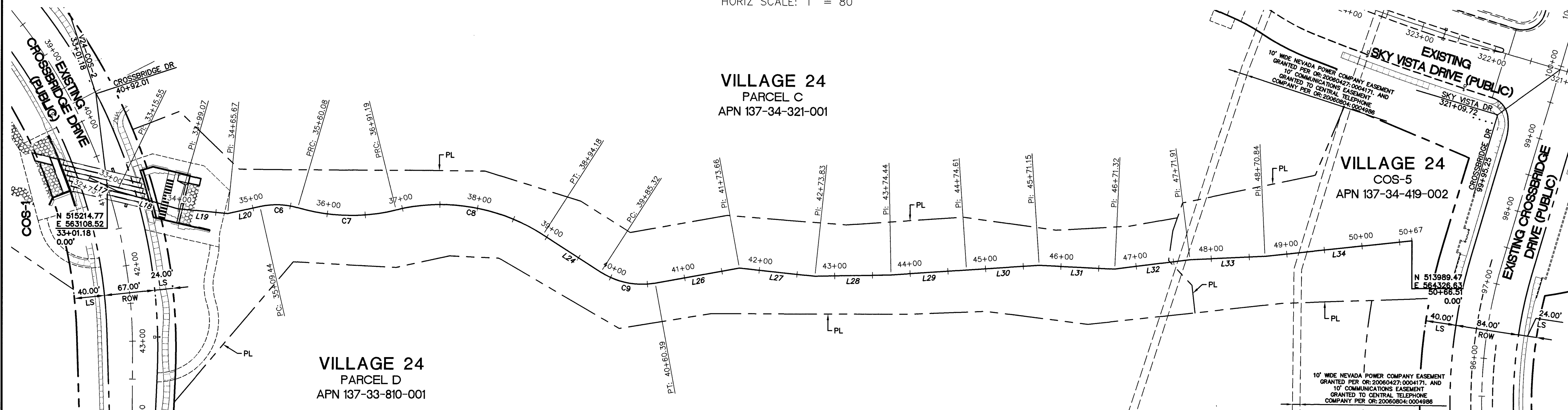
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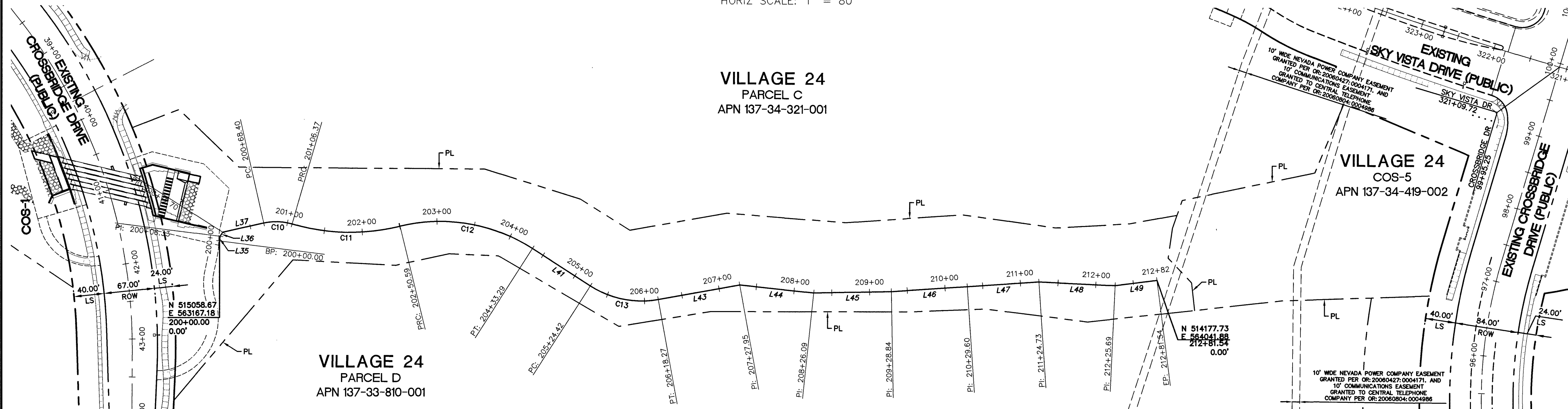
COS-2 LEFT ALIGNMENT (ALONG CUTOFF WALL)

HORIZ SCALE: 1" = 80'



COS-2 PROPOSED WOTUS CENTER LINE ALIGNMENT

HORIZ SCALE: 1" = 80'

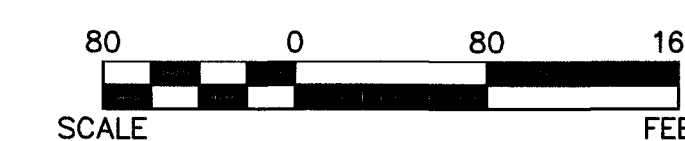
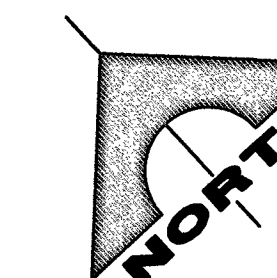


COS-2 RIGHT ALIGNMENT (ALONG CUTOFF WALL)

HORIZ SCALE: 1" = 80'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	TANGENT	DELTA
C1	46.48'	47.00'	25.34'	56°39'49"
C2	63.29'	125.00'	32.34'	29°00'43"
C3	118.00'	225.00'	60.39'	30°02'53"
C4	223.29'	275.00'	118.21'	46°31'21"
C5	56.31'	75.00'	29.56'	43°00'59"
C6	50.64'	100.00'	25.87'	29°00'43"
C7	131.11'	250.00'	67.10'	30°02'53"
C8	202.99'	250.00'	107.47'	46°31'21"
C9	75.08'	100.00'	39.41'	43°00'59"
C10	37.98'	75.00'	19.40'	29°00'43"
C11	144.22'	275.00'	73.81'	30°02'53"
C12	182.69'	225.00'	96.72'	46°31'21"
C13	93.85'	125.00'	49.26'	43°00'59"

LINE TABLE			LINE TABLE		
LINE #	LENGTH	DIRECTION	LINE #	LENGTH	DIRECTION
L1	49.90'	S31°13'16"E	L28	100.61'	S48°09'13"E
L3	2.85'	S59°53'05"E	L29	100.17'	S50°54'13"E
L7	91.14'	S14°22'53"E	L30	96.54'	S50°50'41"E
L9	116.85'	S57°23'51"E	L31	100.17'	S44°27'28"E
L10	102.21'	S41°05'02"E	L32	100.59'	S54°26'16"E
L11	98.46'	S48°09'13"E	L33	98.93'	S49°42'13"E
L12	99.59'	S50°54'13"E	L34	195.67'	S53°09'23"E
L13	97.94'	S50°50'41"E	L35	6.33'	N49°55'36"E
L14	99.38'	S44°27'28"E	L36	6.36'	N75°07'57"E
L15	86.10'	S54°26'16"E	L37	55.70'	S59°52'03"E
L16	51.42'	S87°57'43"E	L41	91.14'	S14°22'53"E
L17	40.55'	S21°09'36"E	L43	109.68'	S57°23'51"E
L18	83.52'	S31°09'49"E	L44	98.13'	S41°05'02"E
L19	66.60'	S41°29'09"E	L45	102.75'	S48°09'13"E
L20	43.77'	S59°52'03"E	L46	100.76'	S50°54'13"E
L24	91.14'	S14°22'53"E	L47	95.13'	S50°50'41"E
L26	113.26'	S57°23'51"E	L48	100.96'	S44°27'28"E
L27	100.17'	S41°05'02"E	L49	55.85'	S54°26'16"E



NOTE
THIS SET OF DRAWINGS IS BASED UPON NAVD 88 DATUM. PREVIOUS DRAWINGS MAY BE BASED ON OTHER DATUM. CARE SHOULD BE OBSERVED WHEN UTILIZING THIS SET OF DRAWINGS

BASIS OF BEARINGS
SOUTH 89°47'23" EAST, BEING THE BEARING OF THE NORTH LINE OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 118, PAGE 100 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK		
BM #	DESCRIPTION	NAVD 88 DATUM
CLV BM No. D368	U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD & WEST OF DETENTION BASIN.	3246.63 (FEET) 989.574 (METERS)

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CLV # 107Y6769

PROJECT NO.
62024-232

DESIGN: MGB
DRAWN: MGB
CHECK: ILJ

PLOT DATE: 01-20-17
PLOT TIME: 08:43:19
REV:

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

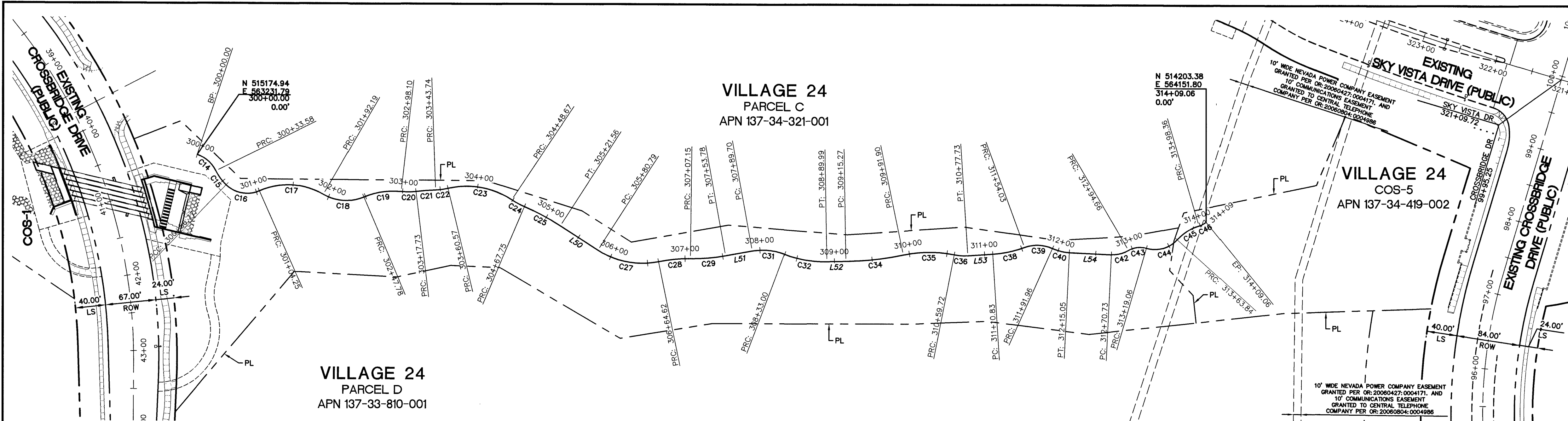
THE HOWARD HUGHES COMPANY, LLC

**VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS**

HORIZONTAL CONTROL PLAN 1

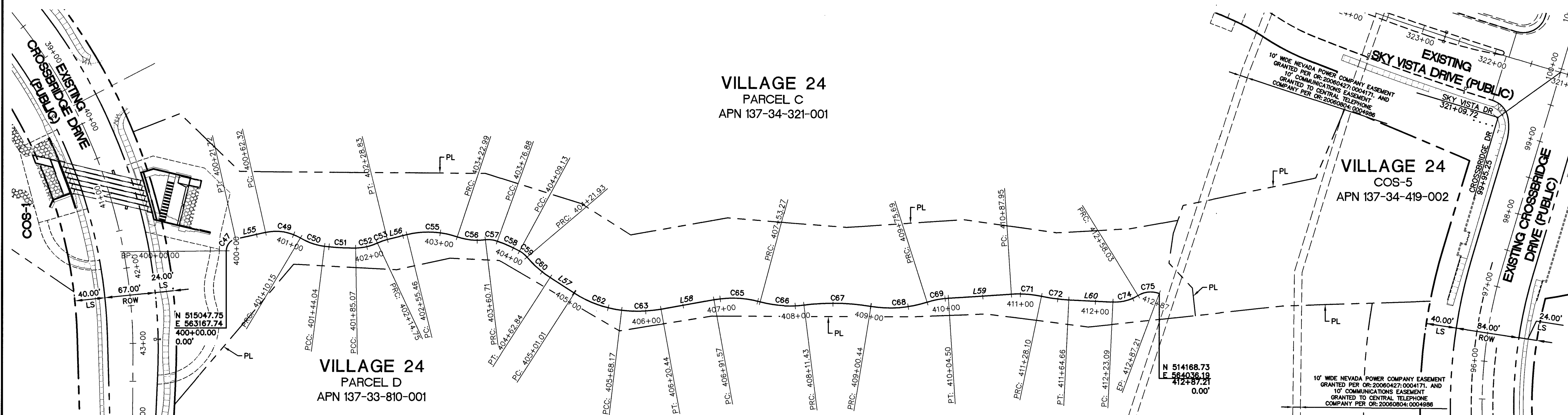
DRAWING
3
3 OF 16 SHTS

1468365



COS-2 LEFT TOP ALIGNMENT

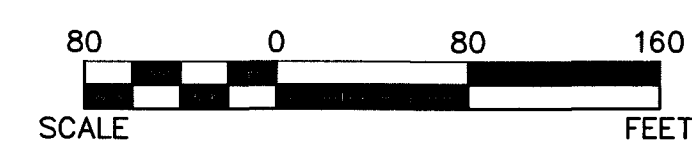
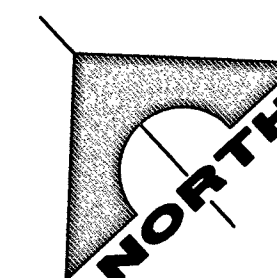
HORIZ SCALE: 1" = 80'



COS-2 RIGHT TOP ALIGNMENT

HORIZ SCALE: 1" = 80'

CURVE TABLE					CURVE TABLE					CURVE TABLE					CURVE TABLE					LINE TABLE		
CURVE #	LENGTH	RADIUS	TANGENT	DELTA	CURVE #	LENGTH	RADIUS	TANGENT	DELTA	CURVE #	LENGTH	RADIUS	TANGENT	DELTA	CURVE #	LENGTH	RADIUS	TANGENT	DELTA	LINE #	LENGTH	DIRECTION
C14	33.58'	42.52'	17.72'	45°14'50"	C31	43.30'	80.00'	22.20'	31°00'45"	C50	33.89'	82.00'	17.19'	23°40'59"	C68	75.25'	160.00'	38.33'	26°56'45"	L50	59.23'	S14°19'31"E
C15	23.19'	67.48'	11.71'	19°41'16"	C32	56.99'	150.00'	28.84'	21°46'07"	C51	41.03'	290.00'	20.55'	8°06'23"	C69	28.81'	118.00'	14.48'	13°59'21"	L51	35.92'	S57°23'51"E
C16	47.48'	40.00'	26.99'	68°00'55"	C34	76.63'	408.00'	38.43'	10°45'42"	C52	29.68'	70.00'	15.06'	24°17'23"	C71	40.14'	149.00'	20.19'	15°26'09"	L52	25.27'	S48°09'13"E
C17	87.94'	93.00'	47.57'	54°10'45"	C35	67.82'	170.00'	34.37'	22°51'26"	C53	14.09'	70.00'	7.07'	11°31'44"	C72	36.57'	232.00'	18.32'	9°01'51"	L53	33.10'	S50°47'44"E
C18	55.58'	60.00'	29.97'	53°04'42"	C36	18.01'	70.00'	9.05'	14°44'16"	C55	67.52'	120.00'	34.68'	32°14'21"	C74	34.93'	58.00'	18.01'	34°30'33"	L54	55.68'	S44°27'28"E
C19	50.33'	98.00'	25.73'	29°25'22"	C38	43.20'	150.00'	21.75'	16°30'09"	C56	37.73'	85.00'	19.18'	25°25'53"	C75	29.19'	32.00'	15.70'	52°15'32"	L55	40.59'	S59°52'03"E
C20	19.63'	84.00'	9.86'	13°23'13"	C39	37.93'	49.00'	19.97'	44°20'59"	C57	16.17'	34.50'	8.24'	26°51'02"						L56	26.63'	S60°54'13"E
C21	26.01'	300.00'	13.01'	4°58'04"	C40	23.09'	61.50'	11.68'	21°30'33"	C58	32.25'	218.00'	16.15'	8°28'33"						L57	38.17'	S14°22'53"E
C22	16.83'	84.00'	8.44'	11°28'42"	C42	23.92'	41.50'	12.30'	33°01'37"	C59	12.80'	34.50'	6.47'	21°15'11"						L58	71.12'	S57°23'51"E
C23	88.10'	107.00'	46.72'	47°10'25"	C43	24.40'	30.00'	12.92'	46°36'00"	C60	40.91'	139.00'	20.61'	16°51'54"						L59	83.45'	S50°51'46"E
C24	19.08'	103.00'	9.57'	10°36'53"	C44	44.79'	40.00'	25.07'	64°09'11"	C62	67.16'	148.00'	34.17'	26°00'00"						L60	58.43'	S44°27'28"E
C25	53.81'	317.00'	26.97'	9°43'33"	C45	34.52'	63.00'	17.70'	31°23'30"	C63	52.27'	176.00'	26.33'	17°01'04"								
C27	83.83'	108.00'	44.16'	44°28'30"	C46	10.70'	27.00'	5.42'	22°42'22"	C65	61.71'	140.00'	31.36'	25°15'11"								
C28	42.53'	198.00'	21.35'	12°18'29"	C47	21.72'	16.00'	12.91'	77°47'28"	C66	58.16'	150.00'	29.45'	22°12'49"								
C29	46.63'	245.00'	23.39'	10°54'19"	C49	47.83'	63.00'	25.14'	43°30'07"	C67	89.01'	310.00'	44.82'	16°27'07"								



NOTE
THIS SET OF DRAWINGS IS BASED UPON NAVD 88 DATUM. PREVIOUS DRAWINGS MAY BE BASED ON OTHER DATUM. CARE SHOULD BE OBSERVED WHEN UTILIZING THIS SET OF DRAWINGS.

BASIS OF BEARINGS
SOUTH 89°47'23" EAST, BEING THE BEARING OF THE NORTH LINE OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 118, PAGE 100 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK			NAVD 88 DATUM	NAVD 88 DATUM
BM #	DESCRIPTION		3246.63 (FEET)	989.574 (METERS)
CLV BM No. D368	U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.			

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CLV # 1076769

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS

HORIZONTAL CONTROL PLAN 2

DRAWING
4
4 OF 16 SHEETS

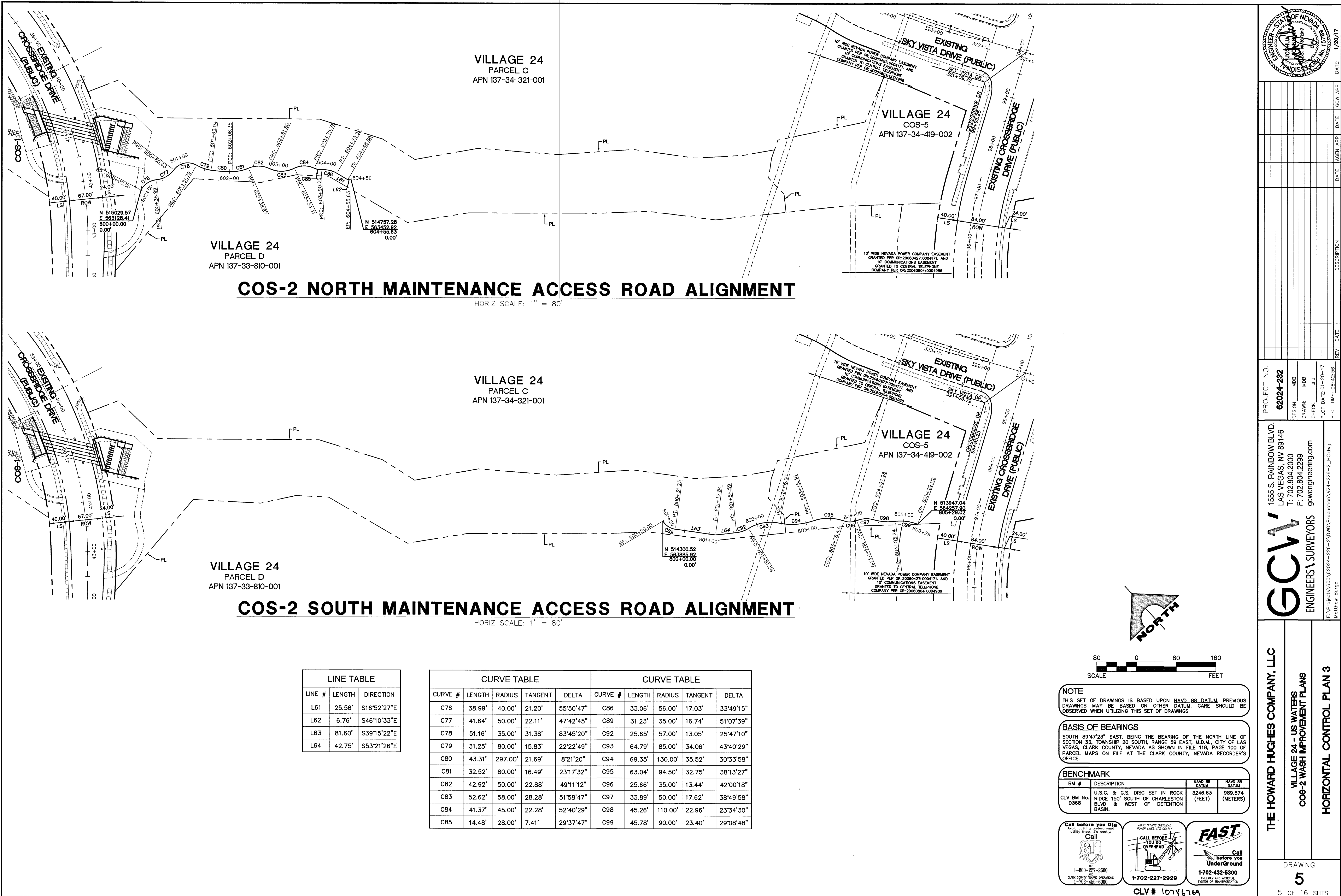
GCH
ENGINEERS & SURVEYORS

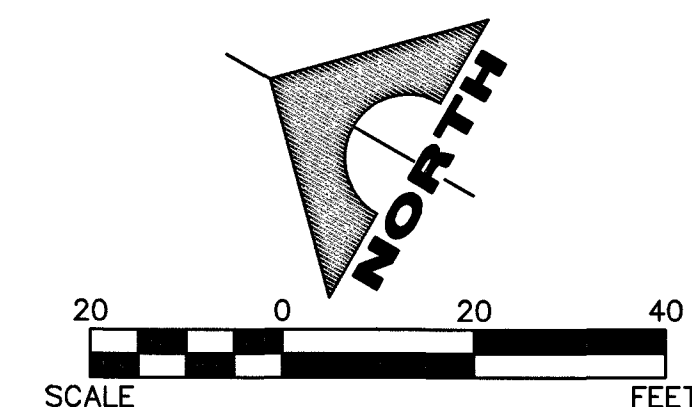
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LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
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PROJECT NO.
62024-232

DESIGN: MJB
DRAWN: MJB
CHECK: JJJ
PLOT DATE: 01-20-17
PLOT TIME: 08:43:07

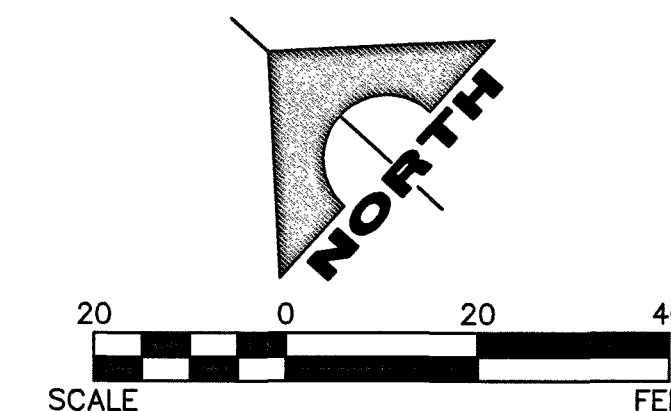
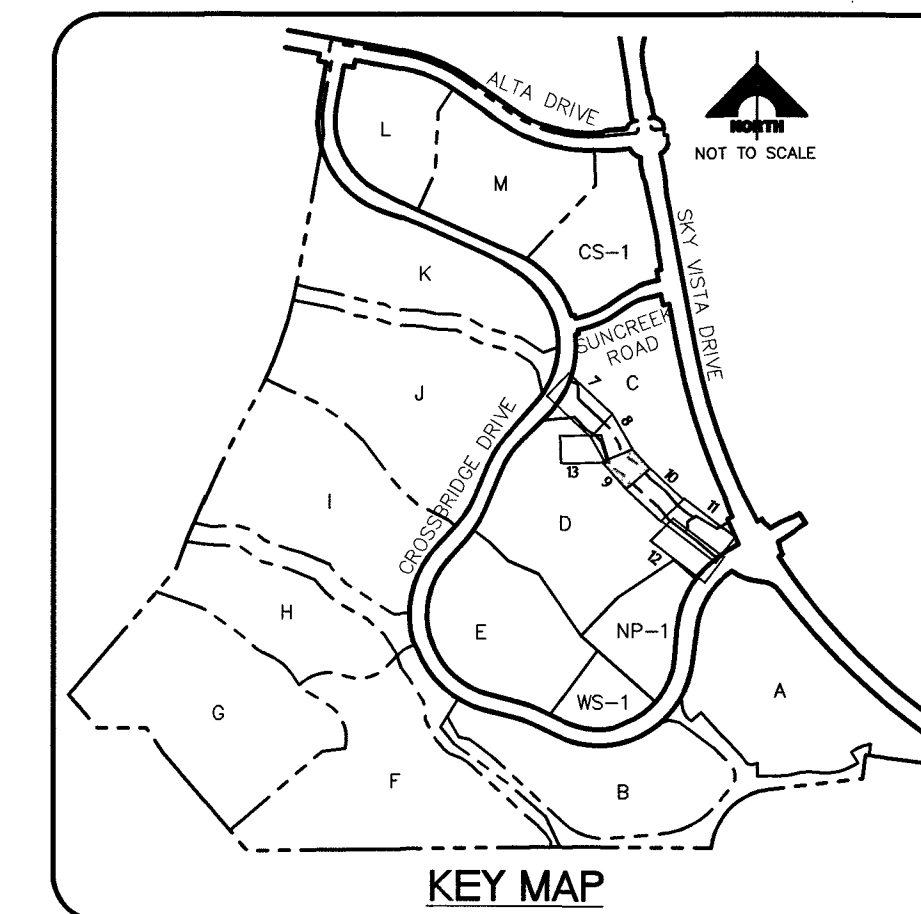
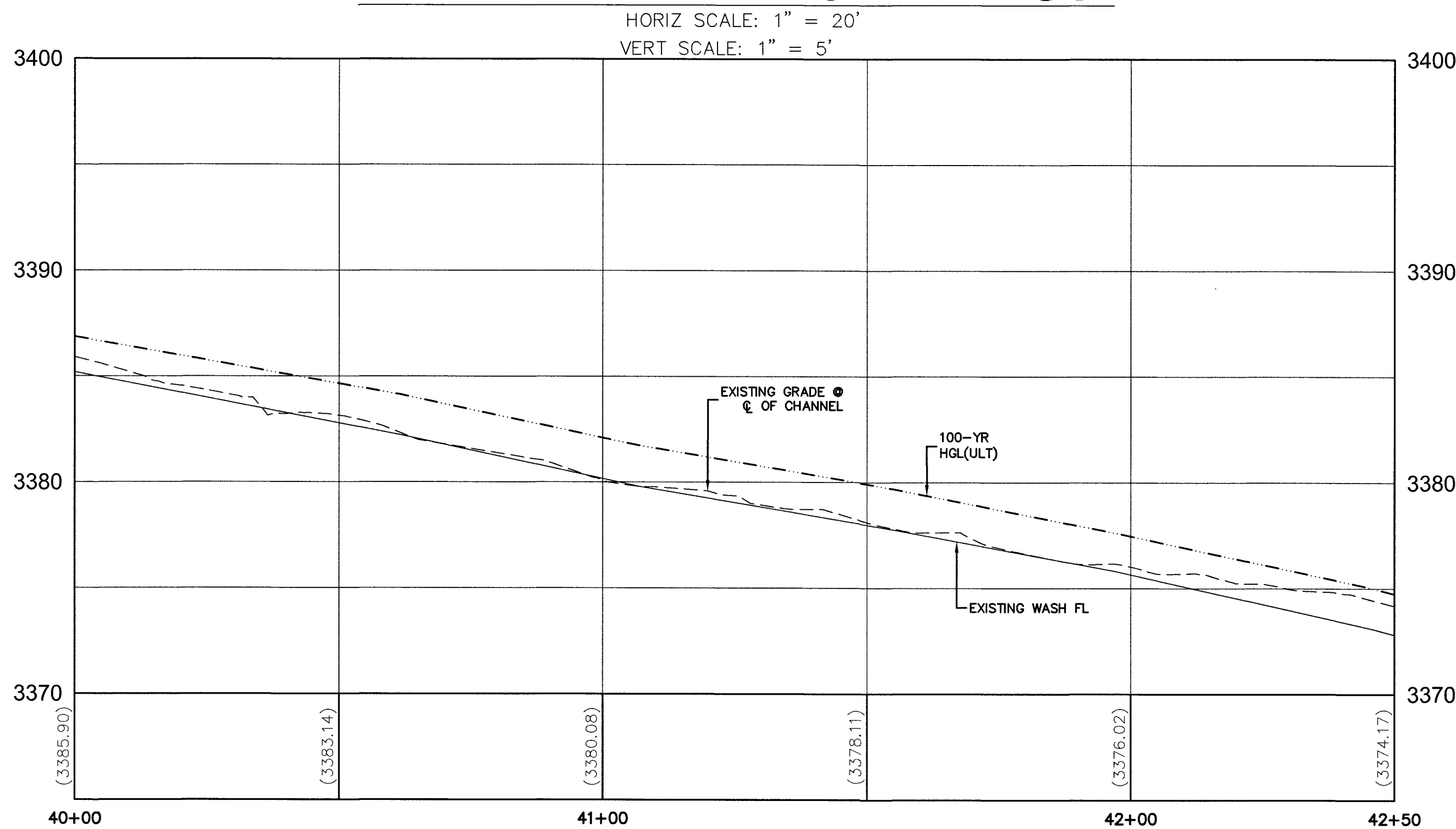
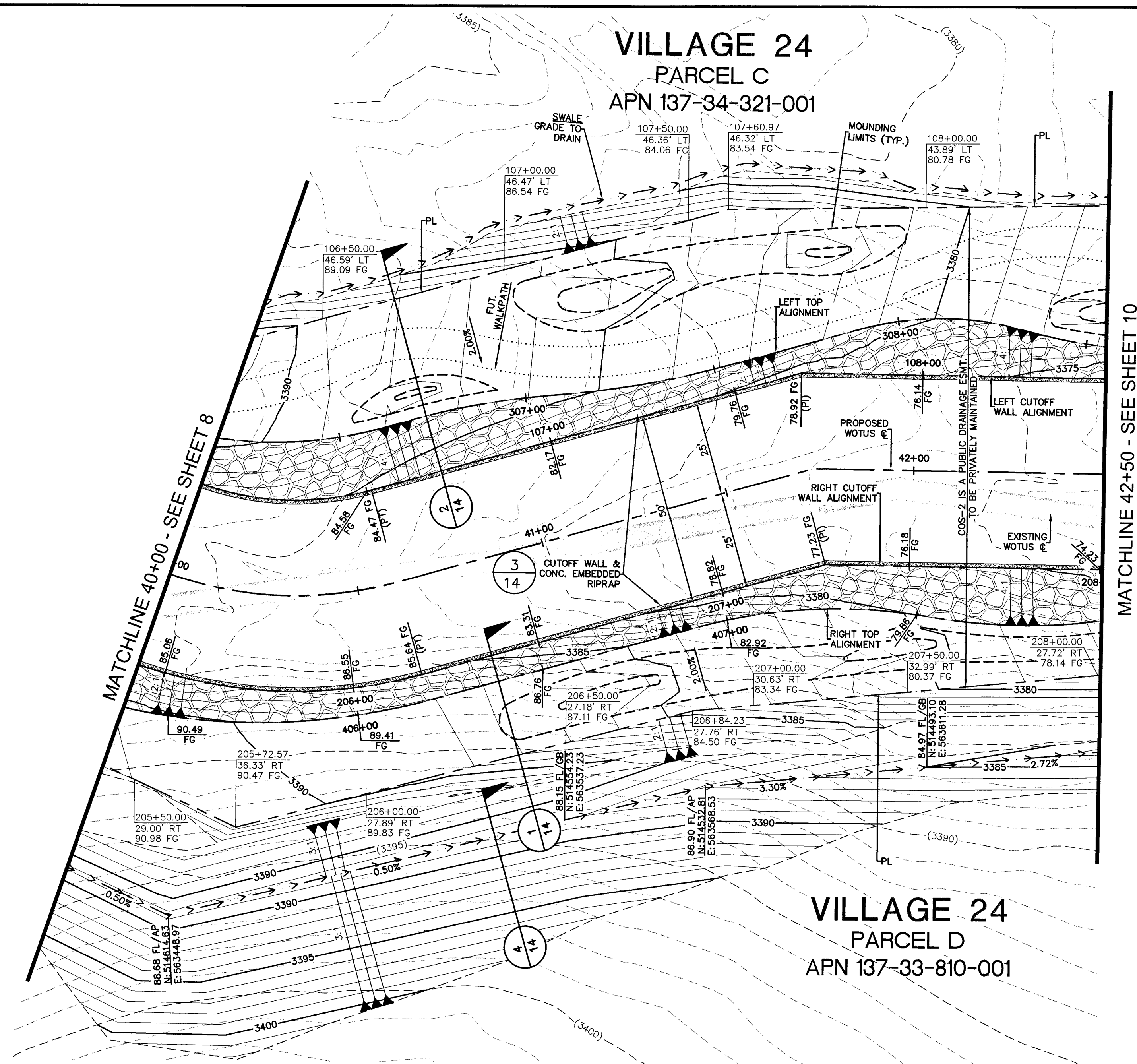
DATE: 1/20/17





2" CRUSHED ROCK/GRAVEL @ 95%





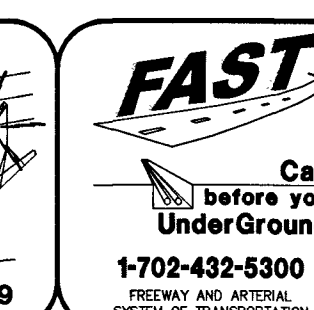
RIPRAP GENERAL NOTE:
ALL RIPRAP SHALL ADHERE TO REQUIREMENTS OF UNIFORM STANDARD SPECIFICATION SECTION 610 "SLOPE AND CHANNEL PROTECTION."
FOR GROUTED RIPRAP LARGE ROCK, SEE ADDITIONAL REQUIREMENTS TO SECTION 610 "SLOPE AND CHANNEL PROTECTION ADDITIONAL NOTES" PER DETAIL 3 SHEET 14.

COS WASH MAINTENANCE GENERAL NOTE:
HOA TO MAINTAIN DESIGN GRADES AND RIPRAP ALONG CUTOFF WALLS AFTER EVERY MEASURABLE STORM EVENT. IF THERE IS MEASURABLE RAINFALL DEPTH IN THE CORFCD GAUGES 4329 AND 4344, THE COS WASH SHOULD BE INSPECTED BY HOA AFTER CESSATION OF THE STORM EVENT.
CORFCD RAINFALL GAUGE 4329 IS LOCATED IN BROWNSTONE CANYON UPSTREAM OF VILLAGE 24.
CORFCD RAINFALL GAUGE 4344 IS LOCATED IN THE RED ROCK DETENTION BASIN DOWNSTREAM OF VILLAGE 24.

NOTE
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BENCHMARK		NAVD 88 DATUM	NAVD 88 DATUM
BM #	DESCRIPTION		
CLV BM No. D368	U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD & WEST OF DETENTION BASIN.	3246.63 (FEET)	989.574 (METERS)



CLV # 101Y6767

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS

GRADING PLAN 3

DRAWING
9

9 OF 16 SHTS

PROJECT NO. 62024-232

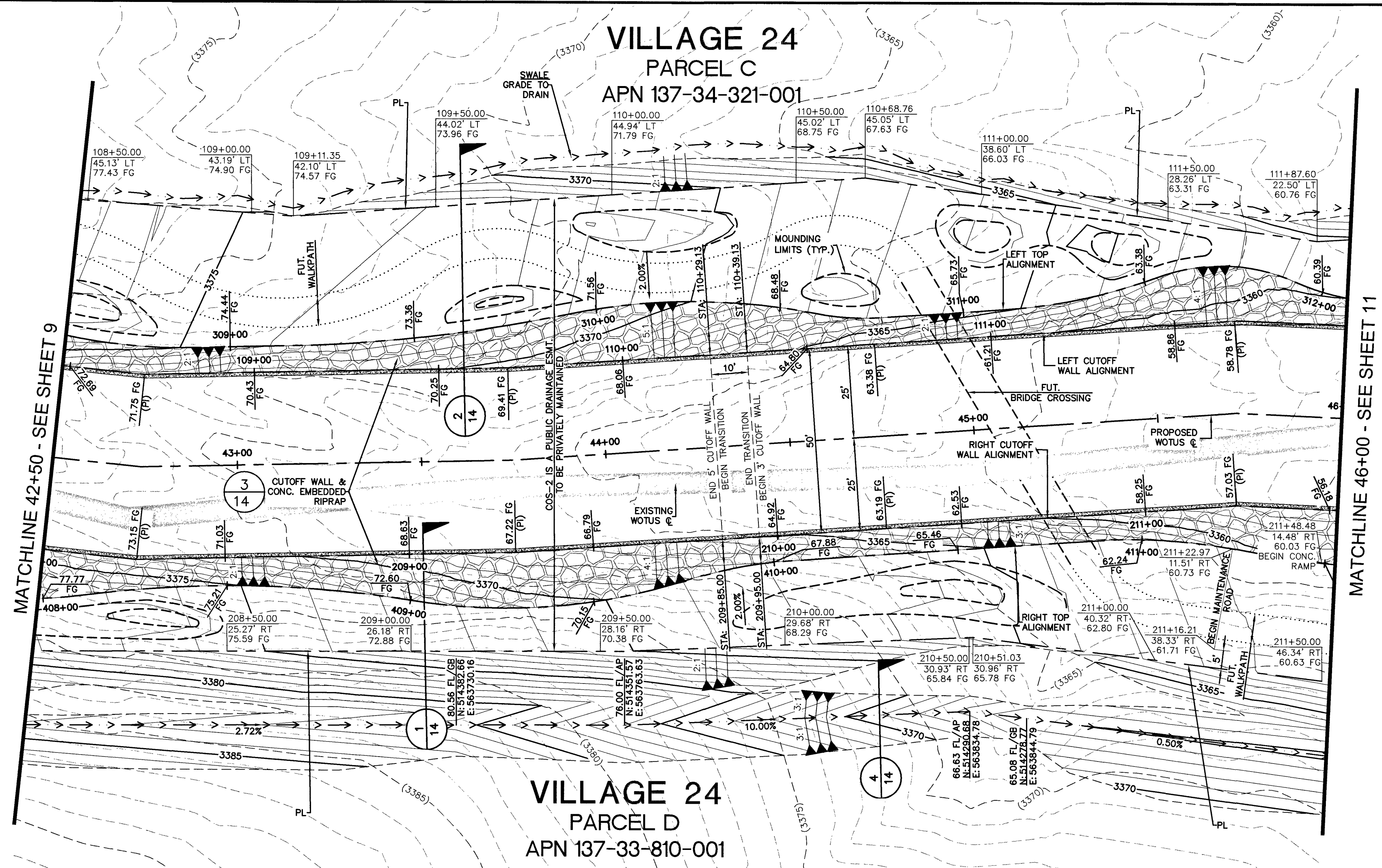
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DRAWN: MJB
CHECK: JJJ
PLOT DATE: 01-20-17
PLOT TIME: 08:41:46

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CLV # 101Y6767

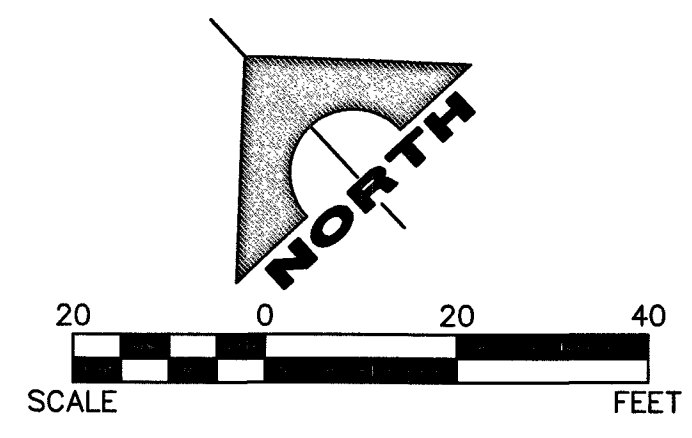
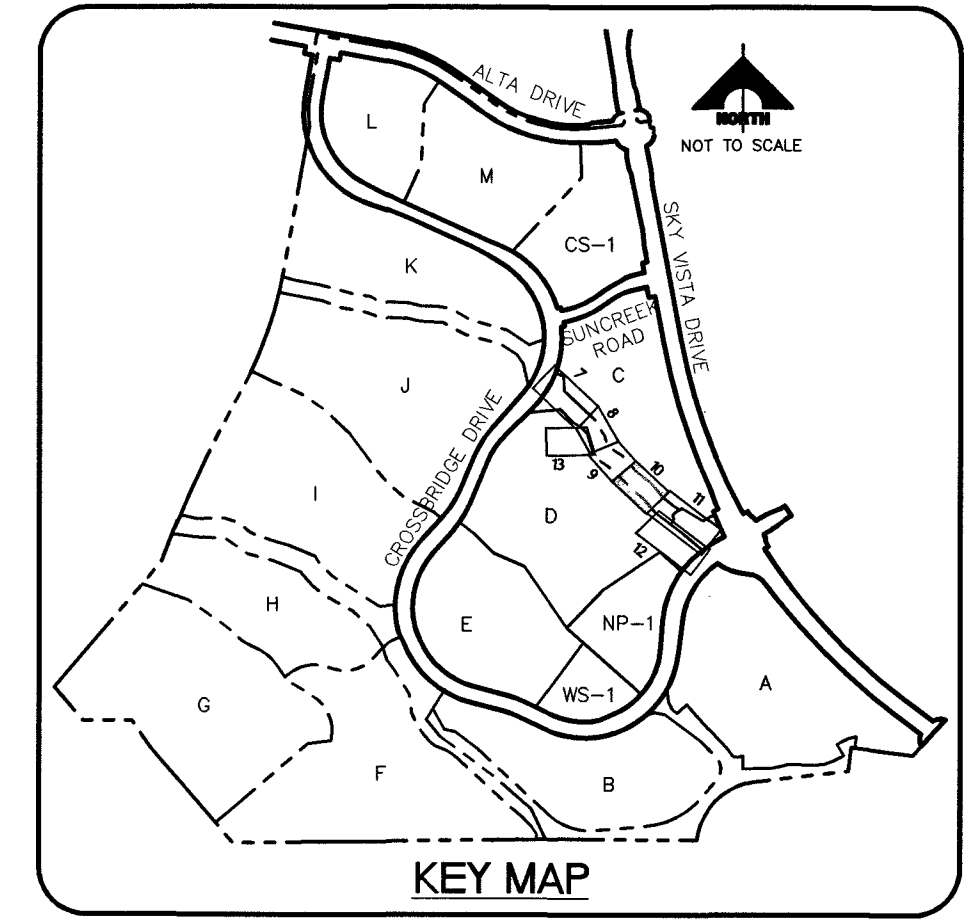
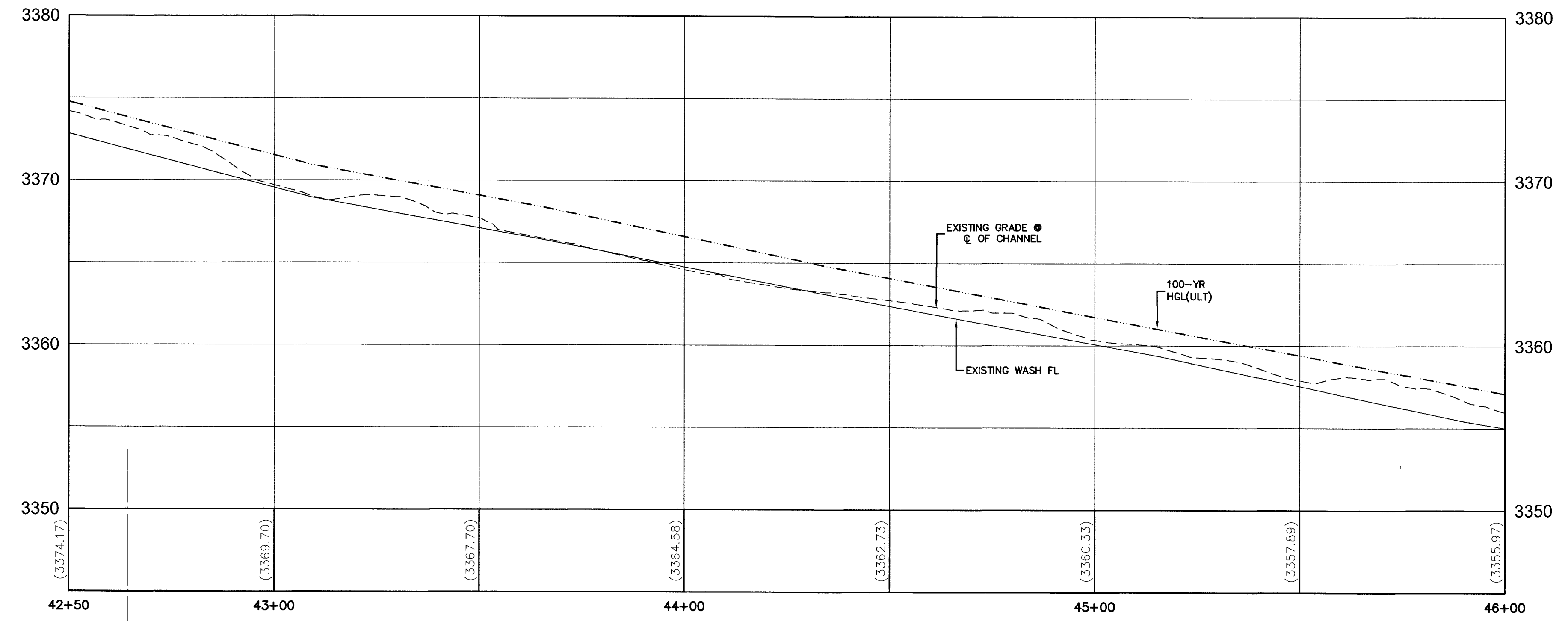
1/20/17



COS-2 (WATERS OF THE US)

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

- GRAVEL MAINTENANCE ROAD**
2" CRUSHED ROCK/GRAVEL @ 95%
- CONCRETE RAMP**
6" THICK CONCRETE RAMP PER
DETAIL 1 DRAWING 16.



- RIPRAP GENERAL NOTE:**
ALL RIPRAP SHALL ADHERE TO REQUIREMENTS OF UNIFORM STANDARD SPECIFICATION SECTION 610 "SLOPE AND CHANNEL PROTECTION."
- FOR GROUTED RIPRAP LARGE ROCK, SEE ADDITIONAL REQUIREMENTS TO SECTION 610 "SLOPE AND CHANNEL PROTECTION ADDITIONAL NOTES" PER DETAIL 3 SHEET 14.
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CLV BM No. D368	U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.	3246.63	989.574

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CLARK COUNTY PUBLIC OPERATIONS
1-702-455-6000

CALL BEFORE YOU DIG OVERHEAD
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1-702-227-2929

FAST
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THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS

GRADING PLAN 4

PROJECT NO. **62024-232**

DESIGN: MGB
DRAWN: MGB
CHECK: JJJ

PLOT DATE: 01-20-17
PLOT TIME: 08:41:28

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

F:\Projects\600\62024-228-2\DWG\Production\24-228-2_00.dwg
Matthew Buge

ENGINEER'S SURVEYORS

DATE: 1/20/17

DATE: JAGN APP

DATE: GSW APP

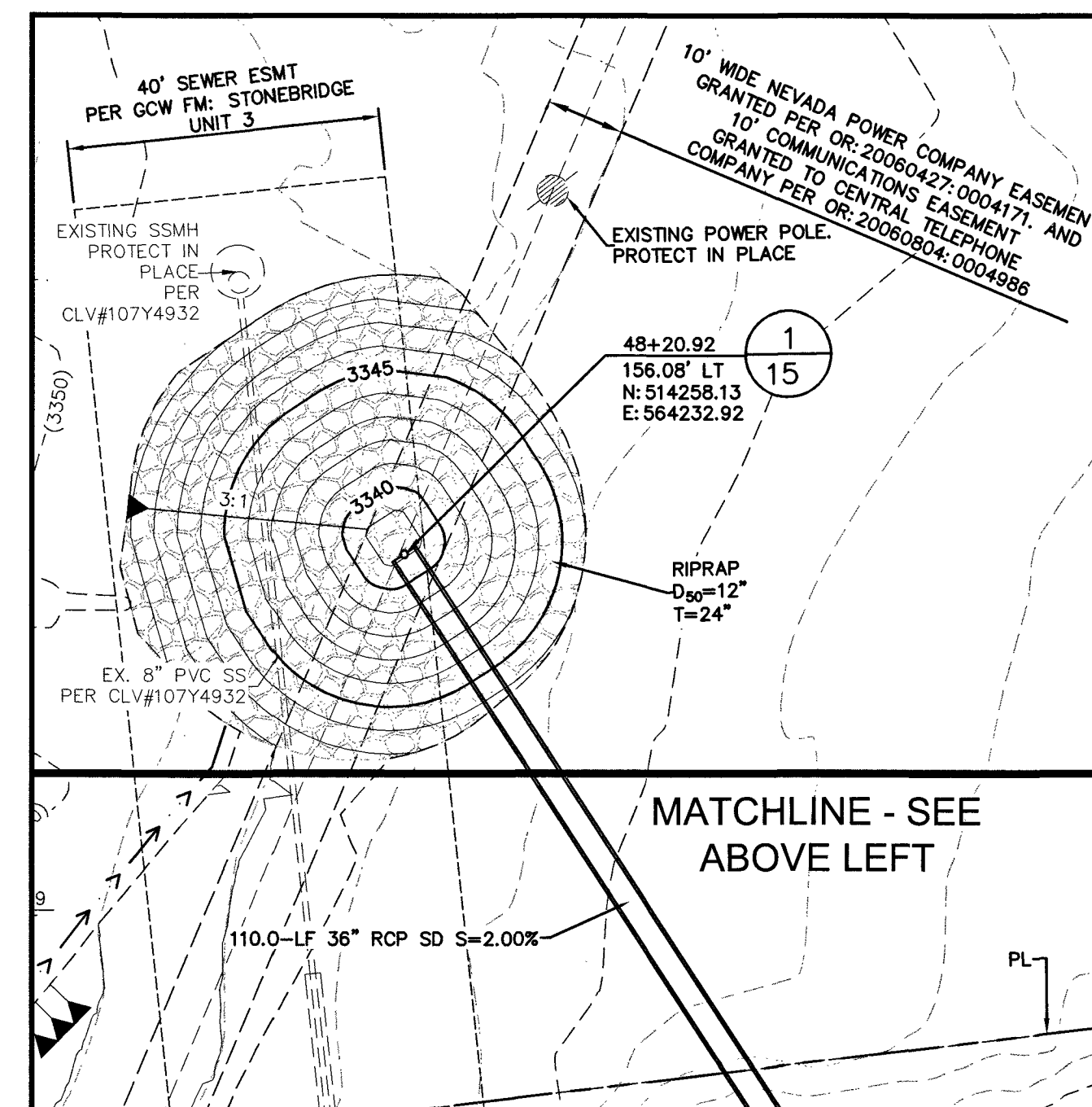
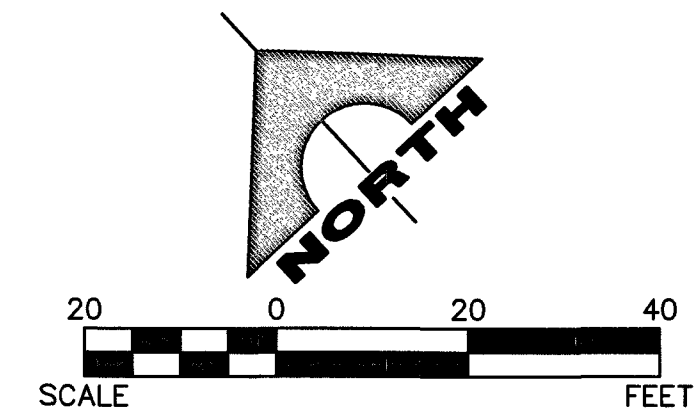
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DATE

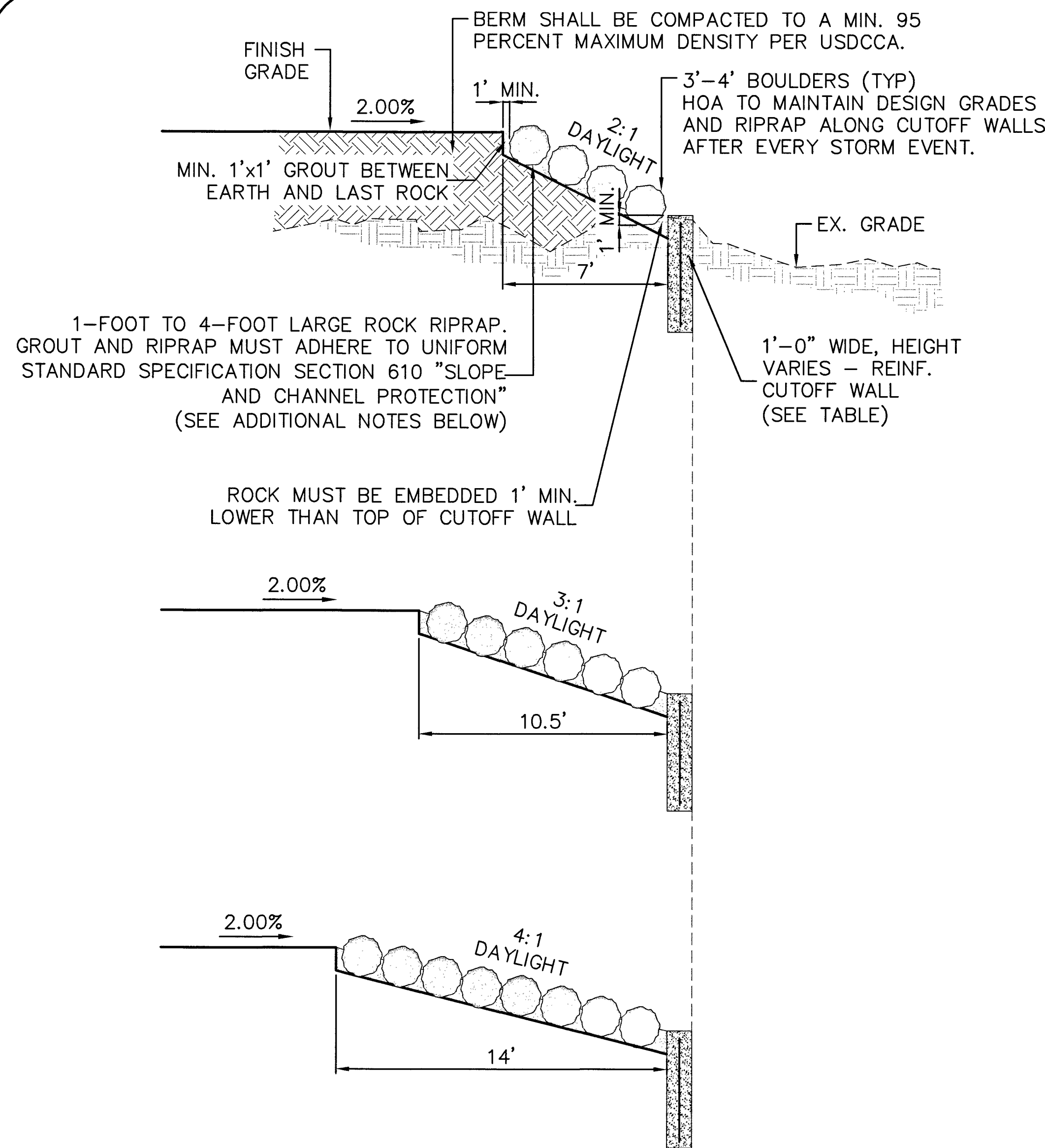
DRAWING
10
10 OF 16 SHEETS

1-H68365



Call before you Dig Avoid cutting underground utility lines at a costly expense. Call  1-800-487-2600 or 1-800-487-2600 TOLL FREE 24 HOURS A DAY 7 DAYS A WEEK CLARK COUNTY UTILITIES 702-465-6000	CALL BEFORE YOU DO OVERHEAD  1-702-227-2929	AVOID HITTING AIRCRAFT POWER LINES. IT'S COSTLY.  FAST Call before you go Under Ground 1-702-432-5300 FREEWAY AND AIRPORT SYSTEMS OF TRANSPORTATION
--	--	---

DRAWING 11 11 OF 16 SHTS	THE HOWARD HUGHES COMPANY, LLC
	VILLAGE 24 - US WATERS COS-2 WASH IMPROVEMENT PLANS
	GRADING PLAN 5



NOTES:

1. WASHES MUST BE INSPECTED AND MAINTAINED AFTER EACH STORM EVENT. IF THE CUT-OFF WALL IS EXPOSED, BACKFILL MUST BE PLACED TO THE TOP OF CUT-OFF WALL, BENCHED 1-FOOT HORIZONTALLY AND GRADED TO A 3:1 SLOPE.
2. CONTRACTOR SHALL USE PRIMARILY 3-FOOT AND 4-FOOT LARGE ROCK (BOULDER) RIPRAP FOR SLOPE PROTECTION, WITH 1-FOOT AND 2-FOOT ROCK USED TO FILL VOIDS BETWEEN THE 3-FOOT AND 4-FOOT BOULDERS.
3. ALL VOIDS SHALL BE FILLED WITH GROUT TO A MINIMUM DEPTH OF HALF THE DEPTH OF THE ROCK/BOULDER.
4. BOTTOM ROW OF ROCK/BOULDER ADJACENT TO THE CUT-OFF WALL MUST BE EMBEDDED 1-FOOT BELOW THE TOP OF THE CUT-OFF WALL.
5. EXCLUDING THE BOTTOM ROW OF ROCK/BOULDER, THE BOTTOM OF ALL 3-FOOT AND 4-FOOT ROCK/BOULDER MUST BE A MINIMUM OF 1-FOOT BELOW THE TOP OF THE LOWER ROCK, AND 1-FOOT AND 2-FOOT ROCK MUST BE A MINIMUM OF 6" BELOW THE TOP OF THE LOWER ROCK.

SECTION 610
SLOPE AND CHANNEL PROTECTION ADDITIONAL NOTES

610.02.04 STONES FOR RIPRAP

- A. STONES USED FOR RIPRAP SHALL BE HARD, DURABLE, ANGULAR IN SHAPE, RESISTANT TO WEATHERING AND EROSION, AND FREE FROM SPOILS, CRACKS, AND ORGANIC MATTER.

ADD 4 AND 5 TO THIS SUBSECTION:

4. THE SPECIFIC GRAVITY OF THE CONCRETE EMBEDDED RIPRAP SHALL NOT BE LESS THAN 2.45.
5. THE NOMINAL STONE SIZE FOR THE GROUTED RIPRAP LARGE ROCK SHALL BE 3-FOOT TO 4-FOOT, WITH 1-FOOT TO 2-FOOT FILLER ROCK.
- C. CONTROL OF GRADATION WILL BE BY VISUAL INSPECTION.

REVISE SUBSECTION AS FOLLOWS:

1. THE CONTRACTOR SHALL PROVIDE A SAMPLE OF STONE OF AT LEAST 5 TONS MEETING THE GRADATION FOR GROUTED RIPRAP LARGE ROCK.

REVISE SUBSECTION D. AS FOLLOWS:

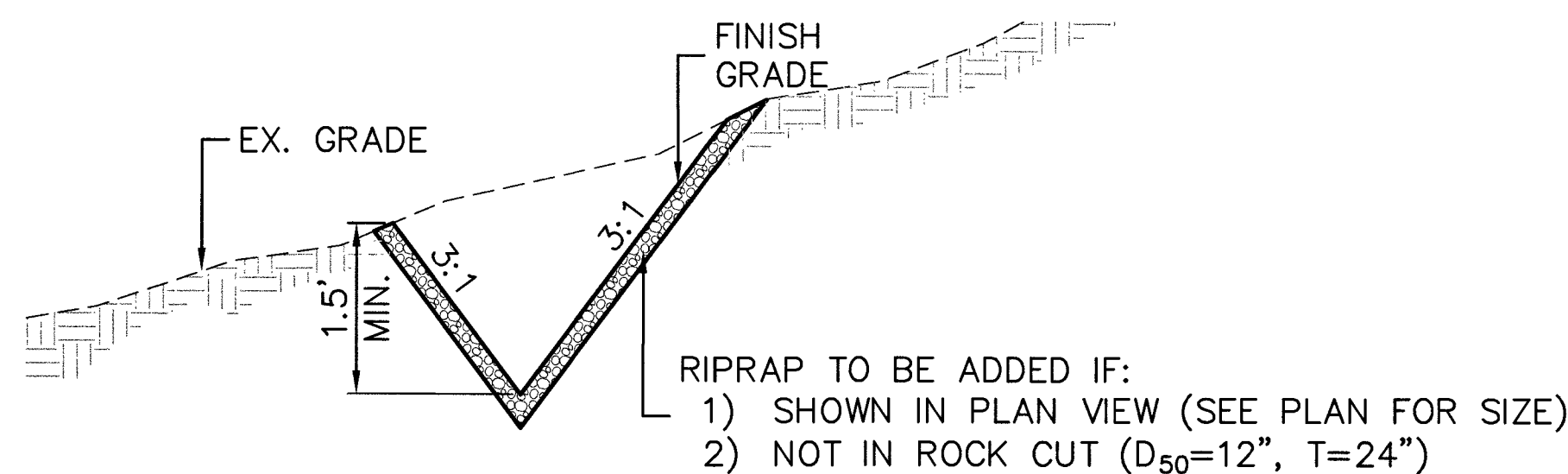
- D. CALICHE STONE OR CEMENTITIOUS MATERIALS MEETING THE REQUIREMENTS OF THIS SECTION MAY BE USED AS RIPRAP WITH PRIOR APPROVAL OF THE ENGINEER. CALICHE STONE OR CEMENTITIOUS MATERIAL MAY NOT BE USED FOR GROUTED RIPRAP LARGE ROCK.

APPROXIMATE STATIONING OF CUTOFF WALLS FOR COS-2		
HEIGHT	STATION	COMMENTS
7'	100+00.00 & 200+00.00	BEGIN
TRANS	105+45.02 & 204+69.11	10' TRANSITION
5'	105+55.02 & 204+79.11	-
TRANS	110+29.13 & 209+85.00	10' TRANSITION
3'	110+39.13 & 209+95.00	-
	114+03.21 & 212+82.00	END

GROUTED RIPRAP LARGE ROCK

NOT TO SCALE

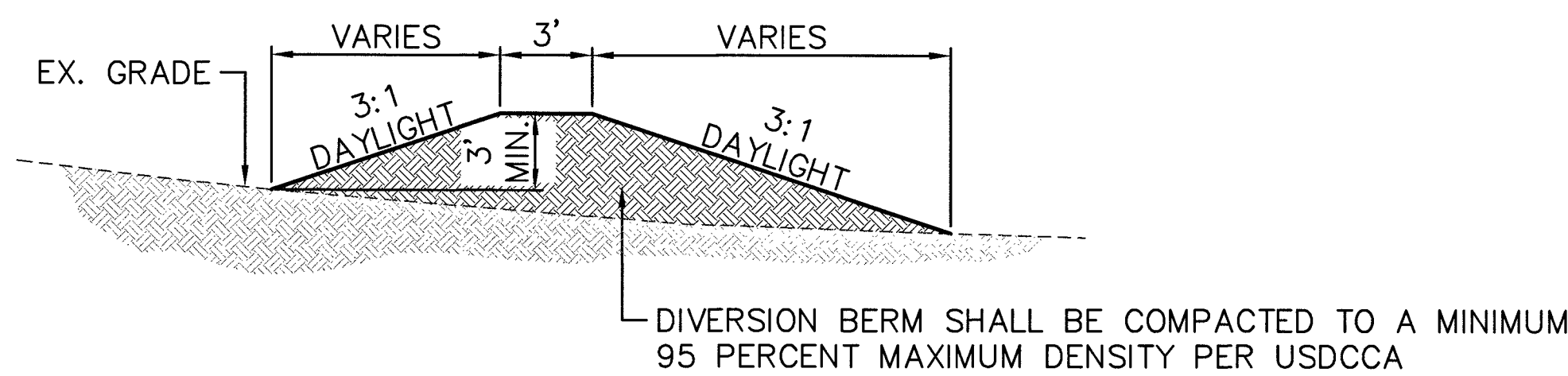
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TYPICAL V-DITCH SECTION

NOT TO SCALE

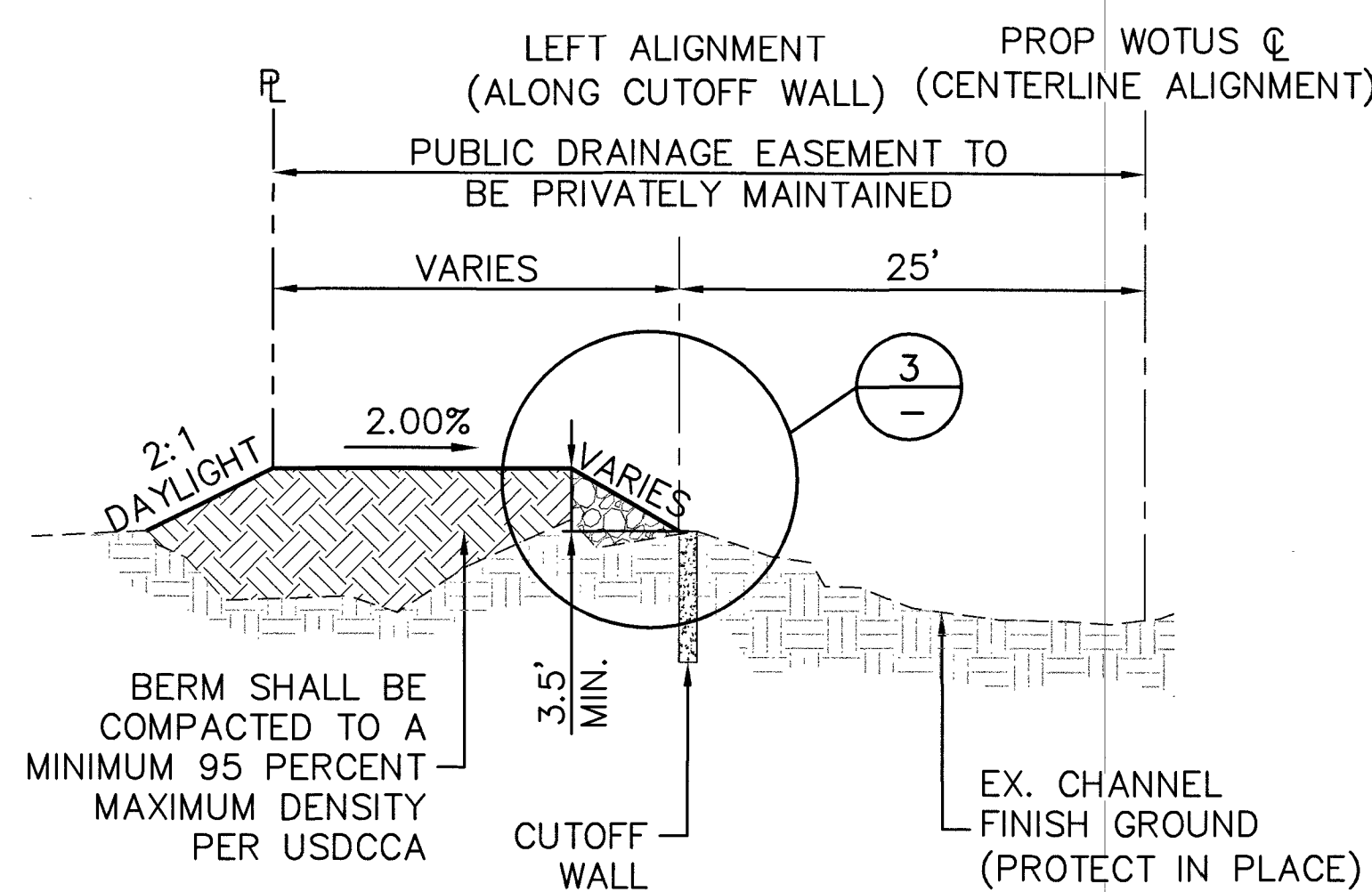
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TYPICAL UNLINED BERM SECTION

NOT TO SCALE

5
-

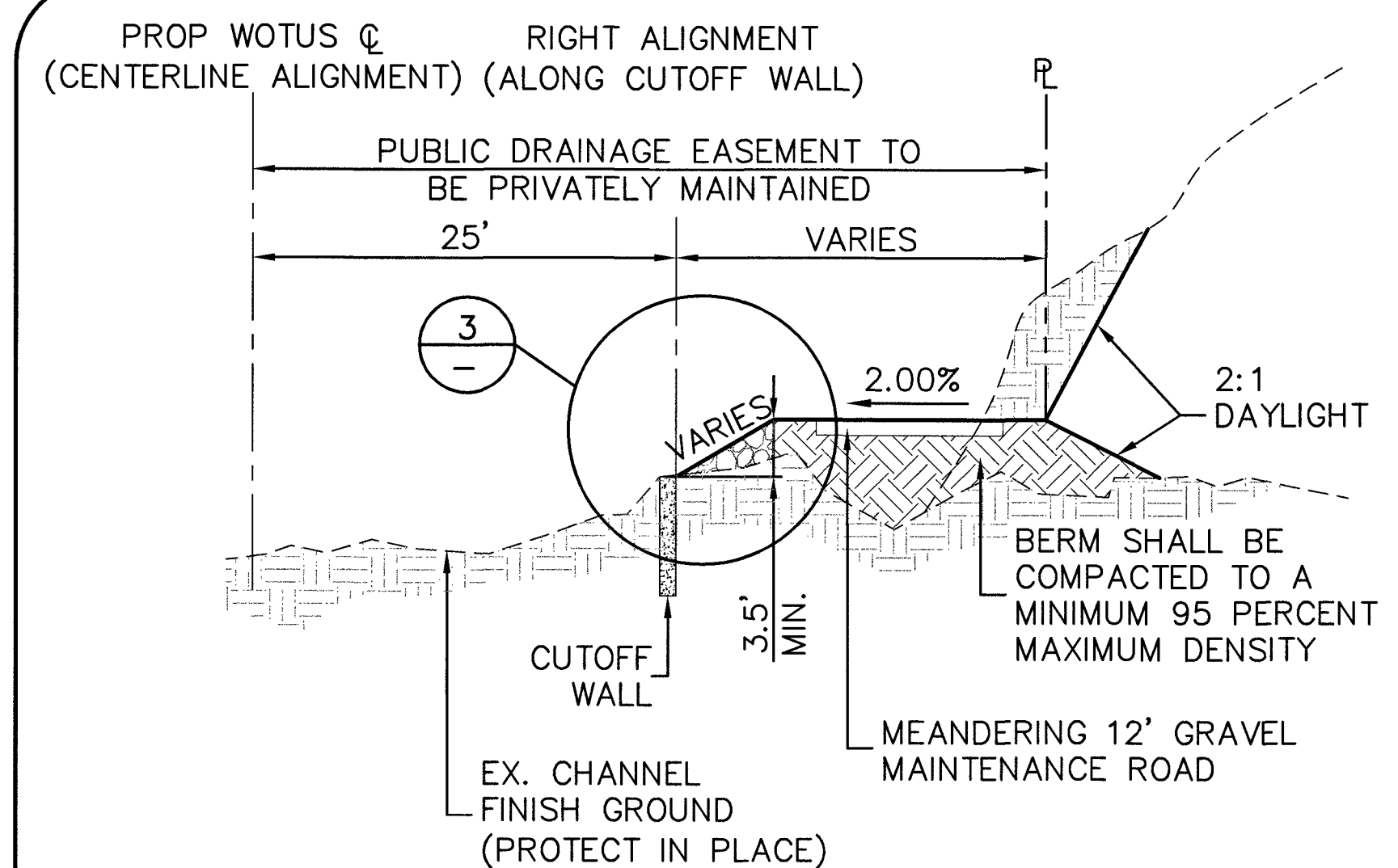


TYPICAL COS-2 LEFT ALIGNMENT BERM

STATION 100+00.00 TO 114+09.00

NOT TO SCALE

2
-



TYPICAL COS-2 RIGHT ALIGNMENT BERM

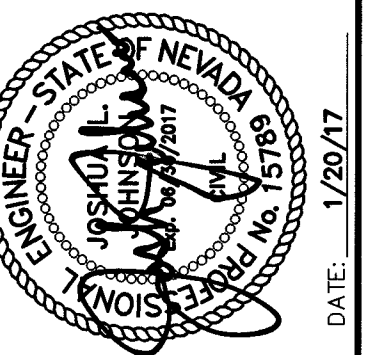
STATION 200+00.00 TO 212+82.00

NOT TO SCALE

1
-

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FOR GROUTED RIPRAP LARGE ROCK, SEE ADDITIONAL REQUIREMENTS TO SECTION 610 "SLOPE AND CHANNEL PROTECTION ADDITIONAL NOTES" PER DETAIL 3 SHEET 14.



DATE	DATE	DATE	DATE
1/20/17			

DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE

CLV # 10746769

DRAWING

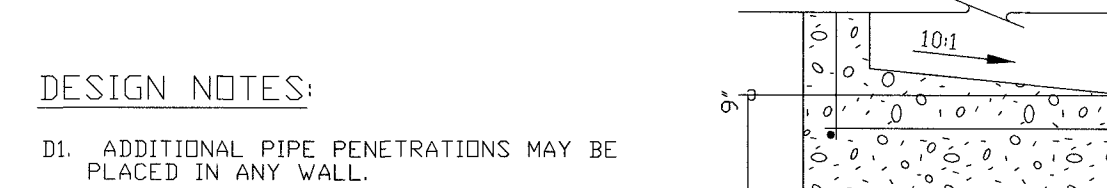
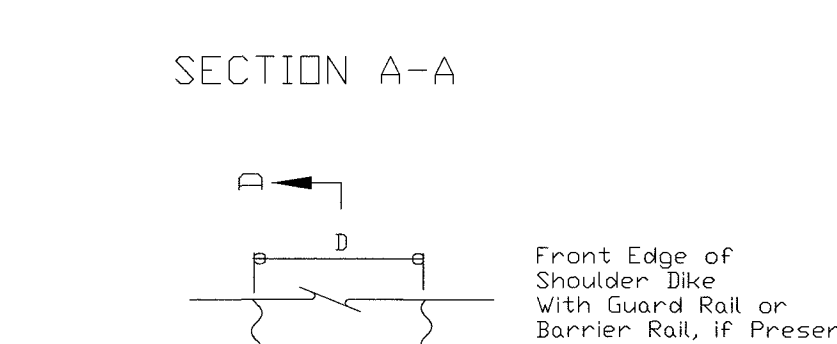
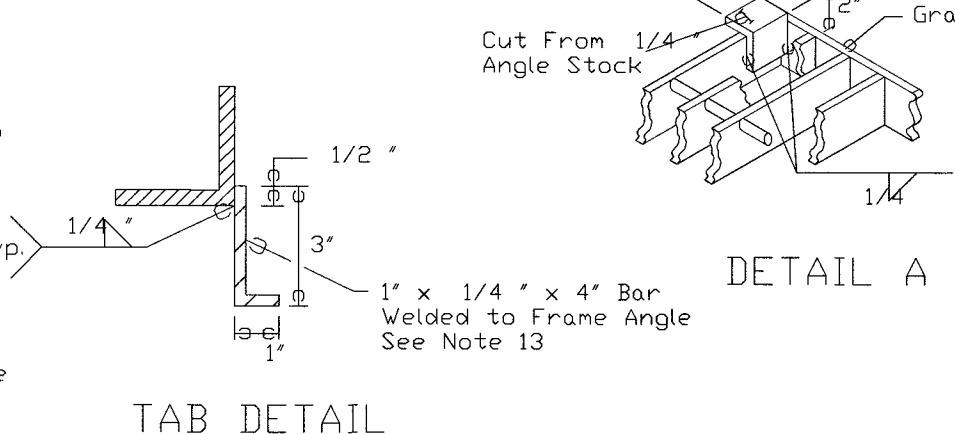
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14 OF 16 SHTS

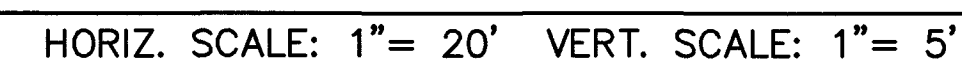
1468365

*The Concrete And Reinforcing Quantities Are Based On The H Min. Shown. Increase The Concrete And Reinforcing Base Quantity By The Corresponding Add Rate (Per Foot Of Increased H) If The H Specified Is Larger Than H Min.

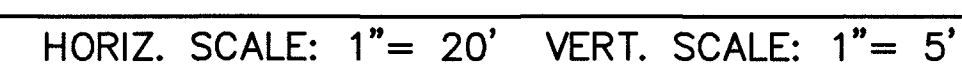
6"
(Type)



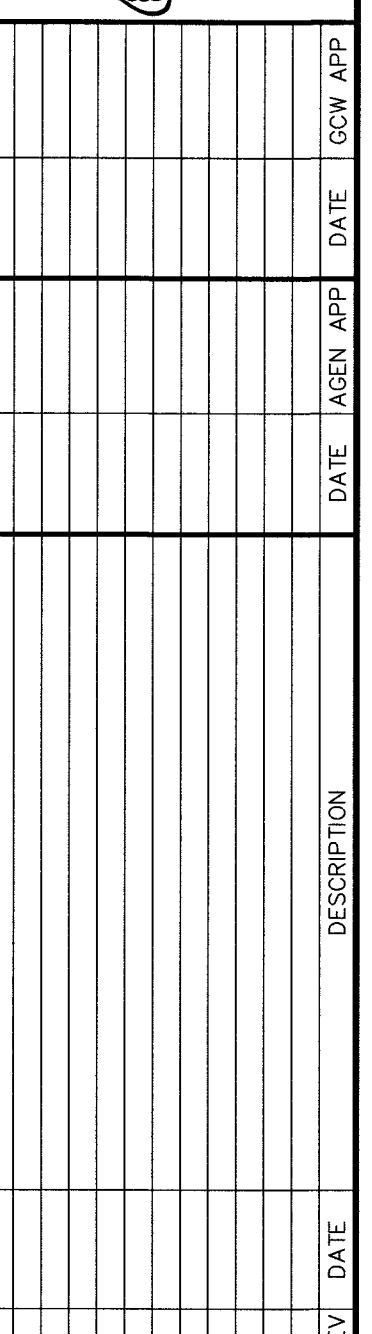
NOT TO SCALE



2
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$$\frac{1}{-}$$

CLV# 10746769



GN:	MDB
WN:	MDB
CK:	JLJ
T DATE: 01-20-17	
T TIME: 08:40:08	

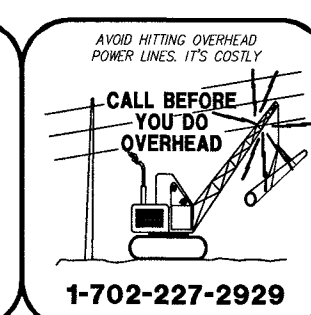
	F	M
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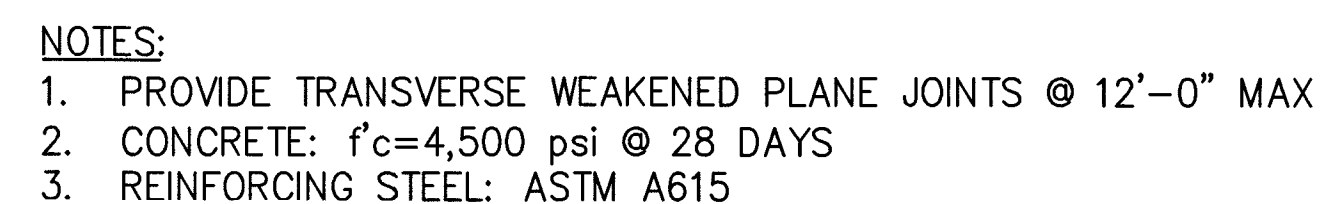
VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS

DETAIL SHEET 2

DRAWING
15
15 OF 16 SHTS

H#68365





NOT TO SCALE



NOT TO SCALE

SECTION A-A

NEVADA DEPARTMENT OF TRANSPORTATION		
DROP INLET CONCRETE APRON		
Signed Original On File	R-4.2.7	(609)
CHIEF HYDRAULICS ENGINEER	ADOPTED <i>5/10/92</i>	REVISION

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

Call
811

OR
1-800-227-2600

CLARK COUNTY TRAFFIC OPERATION
1-702-455-6000



FAST
Call before you dig
UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION

CLV # 10746769

[illegible]PROJECT NO.
62024-232

DESIGN:	MDB
DRAWN:	MDB
CHECK:	JLJ
PLOT DATE: 01-20-17	
PLOT TIME: 08:39:58	

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146

T: 702.804.2000
F: 702.804.2299
gcwengineering.com

celly

GCW
ENGINEERS & SURVEYORS

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 - US WATERS
COS-2 WASH IMPROVEMENT PLANS

DETAIL SHEET 3

DRAWING

16

16 OF 16 SHTS

H#68365