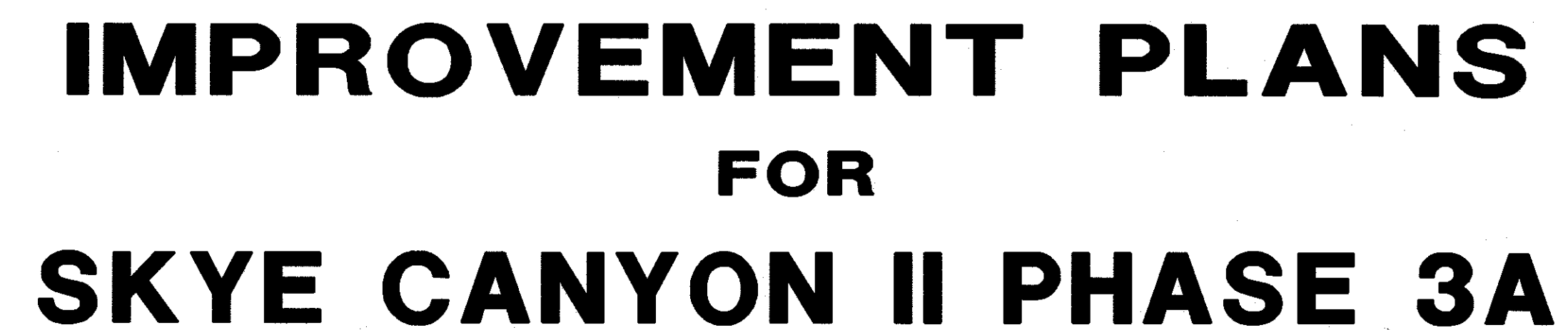




COX COMMUNICATIONS LAS VEGAS, INC. DATE

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SHEET 1 OF 31

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE LATEST EDITIONS OF THE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W OR LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN 80' FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TIE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN 15" OR LARGER MAINS, THE LATERAL SHALL BE 12" OR LARGER.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWDG STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO REQUIRE ANY MAIN WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1') OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
10. INSTALLATION OF CURBED SEWER REQUIRES THE USE OF 90° PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

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, ON, OR OFF OF THE PROJECT SITE BY ANY PERSONS OR VEHICLES AS A RESULT 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 IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARD IN THE USDOCA AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE 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 THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR1000000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCES AND LOCATIONS, AND LOCATIONS WHERE THERE IS A RISK OF LEAKAGE OF OILS AND GREASE. MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS WHEN THERE IS REFUSAL OF ACCESS TO THE SITE TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR 100000, SECTION III.A.12.
5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWING THE PLANS' STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE BLACK SHEETING.

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:30 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. **WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.**
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). **THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.**
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802. TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE. ANY DECORATIVE PAVING MATERIALS WITHIN THE RIGHT-OF-WAY ARE THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OF PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PATCH. INCH CONCRETE OR ASPHALT WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF ANY DECORATIVE PAVING SURFACE WITH THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
15. NO LEAD COMPLIANCE NOTE:
TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

WALL NOTES:

- ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS, FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- 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.
- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF AECQ OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SUBJECT TO INTERVIEW.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING OF ANY OF THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE CITY ENGINEER AND TESTING CERTIFICATES. ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
- SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF 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 STORM DRAIN LATERAL, THE LOCATION OF SEWER SERVICE LATERALS TO THE SEWER 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 CURVE DATA FOR THE CITY OF LAS VEGAS. NEW LOCATIONS TO BE SUBMITTED TO THE CITY ENGINEER BY A LICENSED PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTANTIES OF 40.0 METERS (130.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
- OR
- ~~SANITARY SEWER AND STORM DRAIN FACILITIES SHOWN ON THESE PLANS SHALL BE USED TO MEET THE REQUIREMENTS OF NRS 465-03 AND SHALL SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY. AN APPROVED VIDEO FROM THE INSPECTION SHALL BE NOTED AND SUBMITTED AS A REVISION TO THE PLANS AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION.~~
- 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.
- A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS--APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FOR LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. [CFC § 105.7.12]
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FLUSHED AT LEAST 30 DAYS BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. [CFC § 3310, § 3312]
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. [CFC § 507.5.7.3]
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. [CFC § 106.3]
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A. APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. [CFC § 507.2.1, NFPA 24]
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY/RPFR PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. [CFC § 507]
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. [CFC § 507.5.7.1]
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. [CFC § 507]
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: [CFC § C102]
 - RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED
 - COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. [CFC § C102.8]
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. [CFC § C102.12]
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. [CFC § C102.4]
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. [CFC § C102.7]
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. [CFC § C102.6]

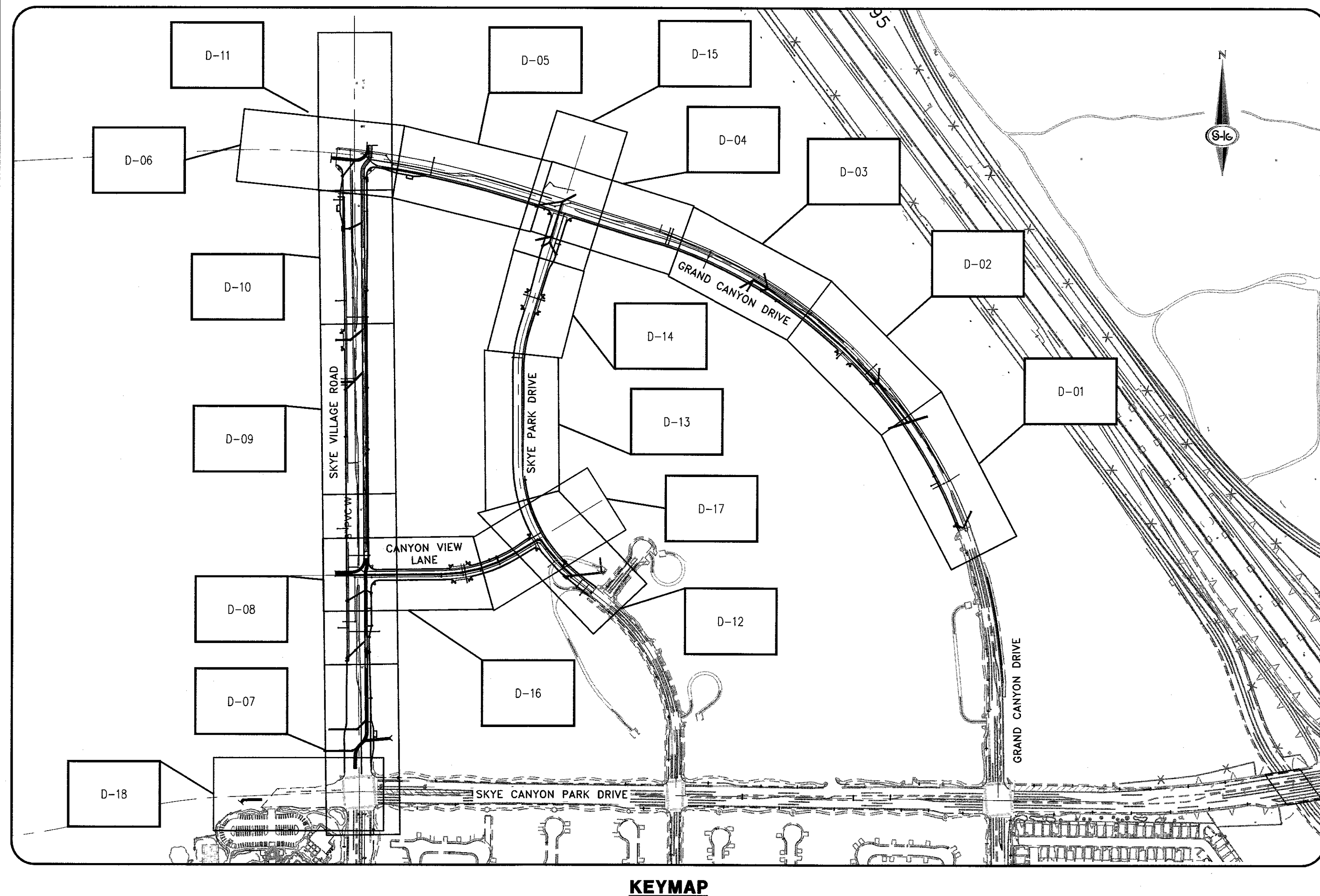
REVISÉ 05/05/08

	EXISTING TELEPHONE CABLE		STREET CENTERLINE
	EXISTING SANITARY SEWER LINE		EASEMENT LINE
	EXISTING WATER LINE		AEP
	EXISTING STORM DRAIN LINE		PROPOSED SIGN
	EXISTING UNDERGROUND ELECTRICAL LINE		CONCRETE SURFACE
	EXISTING OVERHEAD POWER LINE		PLANTMIX BITUMINOUS SURFACE
	EXISTING OVERHEAD POWER AND TELEPHONE LINE		FLOWLINE
	EXISTING GAS LINE		SAWCUT LINE
	EXISTING CABLE TELEVISION LINE		CONTOUR LINE
	EXISTING CURB & GUTTER		ELEVATION
	EXISTING RIGHT-OF-WAY LINE		STORM DRAIN MANHOLE
	EXISTING PROPERTY LINE		SANITARY SEWER MANHOLE
	EXISTING CHAIN-LINK FENCE		100 WATT STREET LIGHT
	EXISTING STREET LIGHT CONDUIT		250 WATT STREET LIGHT
	EXISTING MANHOLE OR VAULT		FAST ITS CONDUIT
	EXISTING VALVE (GAS OR WATER)		FAST P30 PULLBOX
	EXISTING FIRE HYDRANT		FAST TYPE 200 SPLICE VAULT
	EXISTING POWER OR TELEPHONE POLE		
	EXISTING PADMOUNTED SERVICE PEDESTAL		
	EXISTING NV ENERGY TRANSFORMER		
	EXISTING SWING GATE		
	EXISTING STREET LIGHT		
	EXISTING ON-SITE LIGHT		

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SKYE CANYON II PHASE 3A

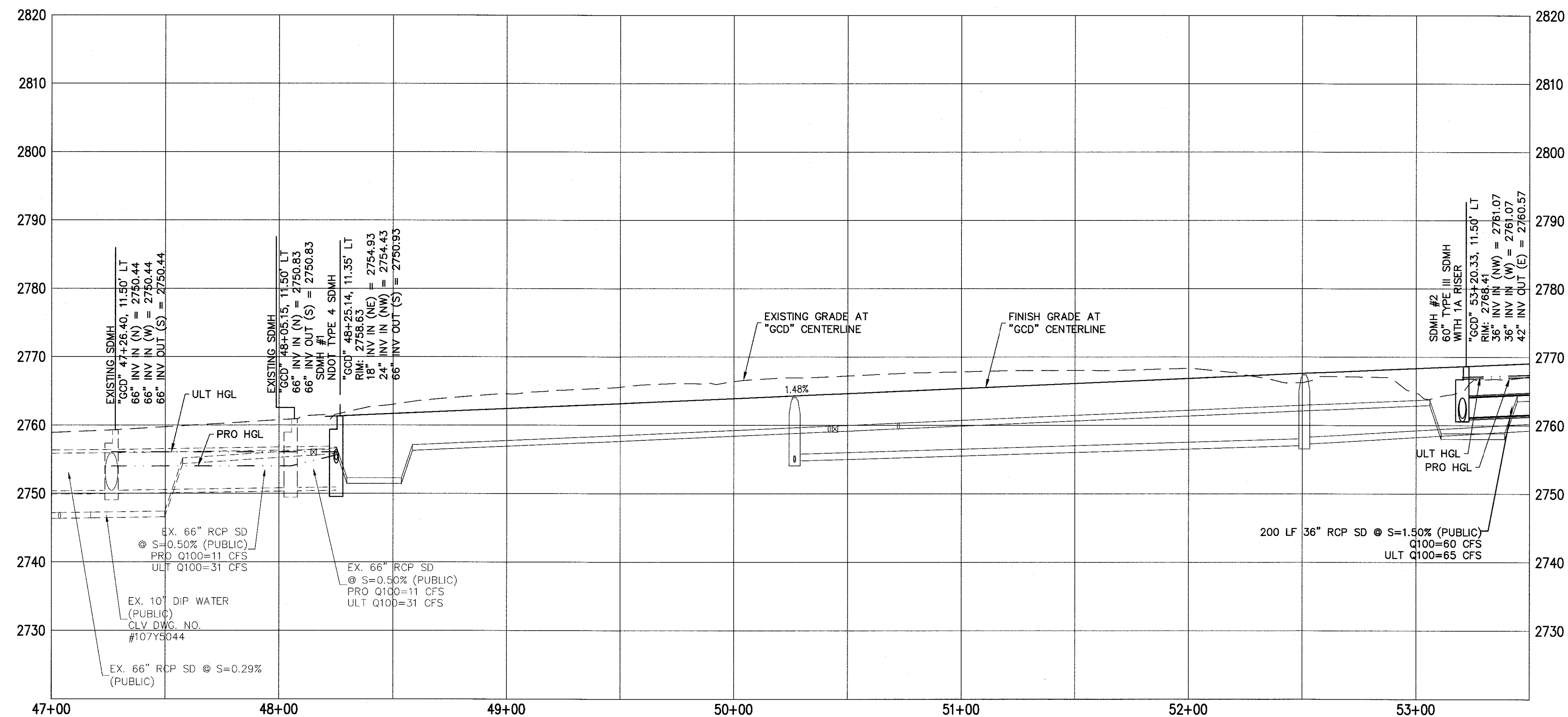
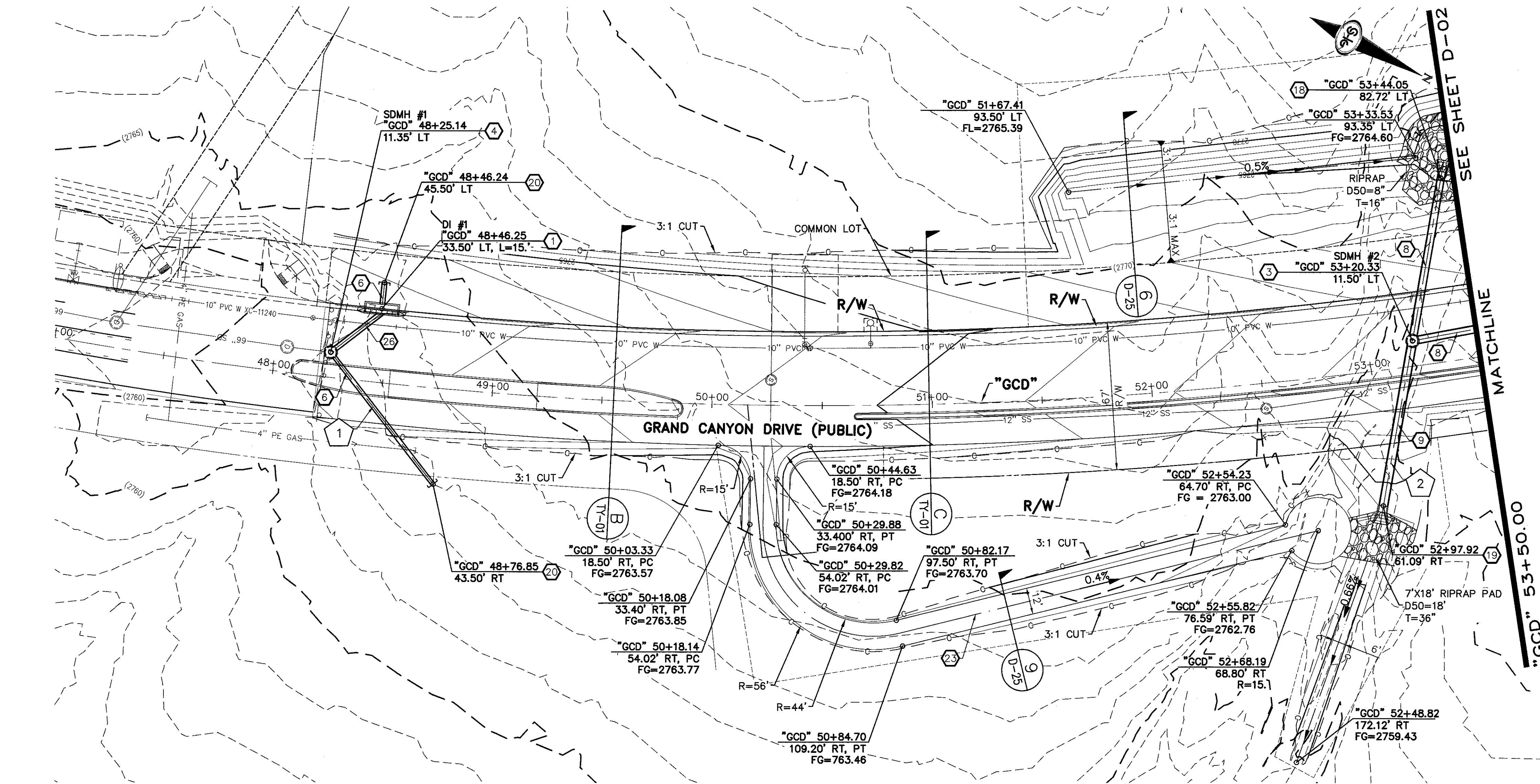
ABBREVIATIONS, KEYMAP, LEGEND AND QUANTITIES



ABOUT	ABUTMENT	GND	GROUND	R/W	RIGHT-OF-WAY
AC	ALUMINUM CAP/ASPHALTIC CONCRETE	RT	RIGHT	RT	RIGHT
ACP	AUTHORIZATION TO ENTER PROPERTY	HGL	HYDRAULIC GRADE LINE	S	SOUTH
AP	ANGLE POINT	HORIZ	HORIZONTAL	SCH	SCHEDULED
APN	ASSESSOR'S PARCEL NUMBER	HIGHW	HIGHWAY	SD	STORM DRAIN
AVE	AVENUE	INV	INVERT	SDMH	STORM DRAIN MANHOLE
BC	BEGIN CURVE/BRASS CAP/BACK OF CURB	ITS	INTELLIGENT TRANSPORTATION SYSTEM	SECT	SECTION
BCR	BEGIN CURB RETURN	JT	JOINT	SF	SQUARE FOOT/FEET
BLVD	BOULEVARD	LF	LINEAR (LINEAL) FEET	SHULDR	SHOULDER
BM	BENCHMARK	LIP	LIP OF GUTTER	SHT	SHEET
BOT	BOTTOM	LT	LEFT	SM	SIMILAR
BRG	BEARING	LUM	LUMINAIRE	SP	SERVICE POINT
BSW	BACK OF SIDEWALK	LVMW	LAS VEGAS VALLEY WATER DISTRICT	SPA	SQUARE
BVCE	BEGIN VERTICAL CURVE ELEVATION	MAX	MAXIMUM	SO	SQUARE
BVCS	BEGIN VERTICAL CURVE STATION	MH	MANHOLE	SS	SANITARY SEWER
CATV	UNDERGROUND CABLE TV	MIN	MINIMUM	SSMH	SANITARY SEWER MANHOLE
CG	CURB AND GUTTER	MLCP	MULTI-LAYERED COMPOSITE PIPE	STA	STATION
CCSD	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS	MOD	MODIFY/MODIFIED	STD	STANDARD
		MON	MONUMENT	STL	STREET
CKT	CIRCUIT	MPH	MILES PER HOUR	STL	STEEL
CLR	CLEAR/CLEARANCE	NORTH	NORTH	SL	STREET LIGHT
CLBM	CITY OF LAS VEGAS BENCHMARK	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION	STRUCT	STRUCTURE
CLV	CITY OF LAS VEGAS	NUMBER	NUMBER	SW	SIDEWALK
CMU	CONCRETE MASONRY UNIT	NVE	NV ENERGY	SNBORS	SOUTHERN NEVADA BUILDING OFFICIALS
CONC	CONCRETE	NOT	NOT TO SCALE		REGIONAL STANDARDS
C/C/L	CENTERLINE	OC	ON CENTER	SWG	SOUTHWEST GAS
CQB	CENTER OF BOLLARD	OHP	OVERHEAD POWER LINE	T	TELEPHONE/TOP
COL	COLUMN	PAT	PATENT	TAN	TANGENT
CONST	CONSTRUCT/CONSTRUCTION	PB	PULL BOX	TC	TOP OF CURB
COORD	COORDINATE	PBS	PLANT MIX BITUMINOUS SURFACE	TEMP	TEMPORARY
CORNER	CORNER	PC	POINT OF CURVE, PHOTO CELL	TF	TOP OF FOOTING
CY	CUBIC YARD(S)	PCC	POINT OF COMPOUND CURVE	TOF	TOP OF GRATE
Δ	DELTA	PD	PONDING DEPTH	TMH	TOP OF MANHOLE
DBL	DOUBLE	PE	PROJECT ENGINEER/POLYETHYLENE	TRANS	TRANSITION STRUCTURE
DI	DROP INLET	PED	PEDESTRIAN	THW	TOP OF HEADWALL
DIAMETER	DIAMETER	PG	PROFILE GRADE (FG ON CONTROL LINE)	TRW	TOP OF RETAINING WALL
DIST	DISTANCE	PH	POTHOLE	TW	TOP OF WALL
DRIVE	DRIVE	PI	POINT OF INTERSECTION	TS	TRAFFIC SIGNAL
DW	DRIVEWAY	PKWY	PARKWAY	TYP	TYPICAL
DWG	DRAWING	PL	PROPERTY LINE	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
CCR	END CURB RETURN	PL	PROPERTY LINE		FOR WATER DISTRIBUTION SYSTEMS
E	EAST	PMW	PAVEMENT MARKING	USDCCA	UNIFORM STD. DRAWINGS FOR PUBLIC WORKS'
EACH	EACH	POB	POINT OF BEGINNING		CONSTRUCTION OFF-SITE IMPROVEMENTS
ESMT	EASEMENT	POC	POINT ON CURVE		CLARK COUNTY AREA, NEVADA
ECR	END CURB RETURN	POE	POINT OF ENDING	UT	UNDERGROUND TELEPHONE
ELEC	ELECTRICAL	POT	POINT ON TANGENT	VAR	VARIABLE/VARIABLES
ELEV/EL	ELEVATION	PP	POWER POLE	VC	VERTICAL CURVE
EP/EOP	EDGE OF PAVEMENT	PCBR	PORABLE PRECAST CONCRETE BARRIER RAIL	VERT	VERTICAL
EQUA	EQUAL	PFM	POLYUREA PAVEMENT MARKINGS	VG	VALLEY GUTTER
EST	ESTIMATED	PAIR	PAIR	W	WEST
EVC	END VERTICAL CURVE	PROP	PROPOSED	WY	WEIGHT
EX/EXIST	EXISTING	PRC	POINT OF REVERSE CURVE	WT	WEIGHT
EXP	EXPANSION JOINT	PRVC	POINT REVERSE VERTICAL CURVE	XING	CROSSING
EW	EACH WAY	PSI	POUNDS PER SQUARE INCH		
FC	FACE OF CURB	PT	POINT OF TANGENCY		
FG	FINISH GRADE	PVI	POINT OF VERTICAL INTERSECTION		
FI	FIRE HYDRANT	PVMT	PAVEMENT		
FL	FLOW LINE	R	RADIUS	"GCD"	GRAND CANYON DRIVE (SKYE CANYON PARK DRIVE TO SKYE VILLAGE ROAD)
FO	FIBER OPTIC	RCB	REINFORCED CONCRETE BOX		
FS	FINISH SURFACE	RCP	REINFORCED CONCRETE PIPE	"SVR"	SKYE VILLAGE ROAD (SKYE VILLAGE PARK DRIVE TO GRAND CANYON DRIVE)
FT	FOOT/FEET	RD	ROAD		
FTG	FOOTING	ROWAY	ROADWAY	"SE"	CANYON VIEW LANE (SKYE VILLAGE ROAD TO SKYE PARK DRIVE)
FW	FACE OF WALL	REC	RECTANGULAR		
FYA	FLASHING YELLOW ARROW	REIN	REINFORCED		
G	GAS	REQD	REQUIRED	"SPD"	SKYE PARK DRIVE (SKYE CANYON PARK DRIVE TO GRAND CANYON DRIVE)
GA	GAUGE	RND	ROUND		
GB	GRADE BREAK	RP	RADIUS POINT		
		RPM	RAISED PAVEMENT MARKERS	"SCP"	SKYE CANYON PARK DRIVE

SHEET 3





- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 - CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 - CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
 - CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
 - INSTALL 18" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 30" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 36" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 42" RCP (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 60" RCP (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 72" RCP (USDCCA STD. DWG. NO. 503.2)
 - CONSTRUCT 48" TYPE II MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 - CONSTRUCT 6' X 6' RCB (NDOT STD. PLAN B-20.1.2)
 - CONSTRUCT 7' X 5' RCB (NDOT STD. PLAN B-20.1.2)
 - CONSTRUCT 8' X 7' RCA (PER STRUCTURAL DETAIL)
 - CONSTRUCT 10' X 9' RCA (PER STRUCTURAL DETAIL)
 - INSTALL 30" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
 - INSTALL 36" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
 - INSTALL 42" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
 - CONSTRUCT BRICK AND MORTAR PLUG (SEE DETAIL 3, DRAWING D-25)
 - CONSTRUCT INTERIM PLUG PER STRUCTURAL DETAIL
 - INSTALL 54" RCP (USDCCA STD. DWG. NO. 503.2)
 - 12" WIDE X 6" THICK TYPE II MAINTENANCE ACCESS PATH
 - CONSTRUCT CULVERT HEADWALL (NDOT STD. PLAN R-2.5.2 & R-2.5.2.1)
 - CONSTRUCT CONCRETE COLLAR (SEE DETAIL 1, DRAWING D-25)
 - INSTALL 24" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 18" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
 - CONSTRUCT DROP INLET PER STRUCTURAL DETAIL
 - CONSTRUCT HEADWALL PER STRUCTURAL DETAIL
 - INSTALL CHAIN LINK FENCE (USDCCA STD. DWG. NO. 252)
 - INSTALL CHAIN LINK GATES (USDCCA STD. DWG. NO. 253)
 - CONSTRUCT CONCRETE PAD WITH 3' CUTOFF WALL (SEE DETAIL 14, DRAWING D-25)
 - CONSTRUCT 3' CUTOFF WALL (SEE DETAIL 15, DRAWING D-25)

- ### NOTES
- ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
 - ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
 - ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
 - SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 - ALL PIPES ARE PUBLICLY MAINTAINED.
 - ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

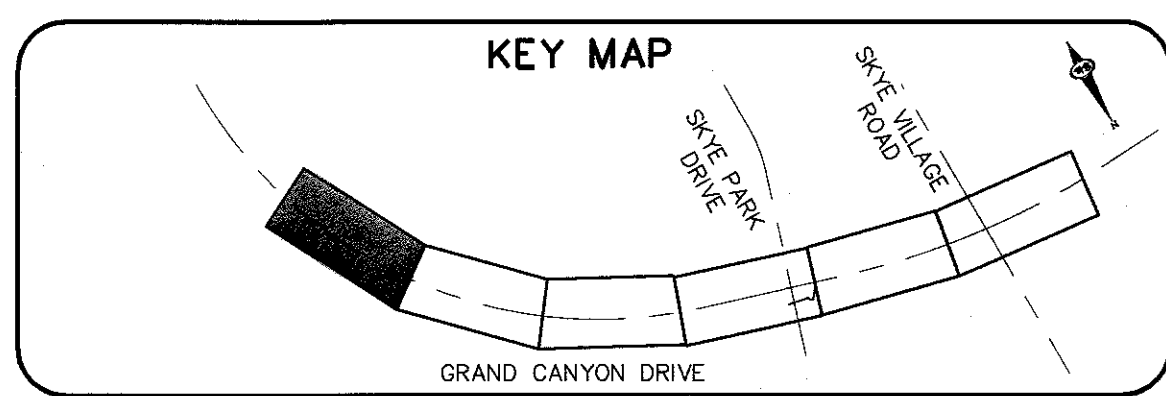
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735E, DATED SEPTEMBER 27, 2002

NOTE:

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.



30 0 30 60
SCALE FEET

AVOID HITTING OVERHEAD POWER LINES. IT'S YOUR RESPONSIBILITY TO CHECK FOR OVERHEAD LINES.

FAST
Call before you Dig
Underground.
1-702-432-5300
FIREWORKS AND EXPLOSIVES, ETC. OF TRANSPORTATION

Call before you Dig
Avoid hitting underground utility lines. It's your responsibility.
Call
811
1-800-227-2800

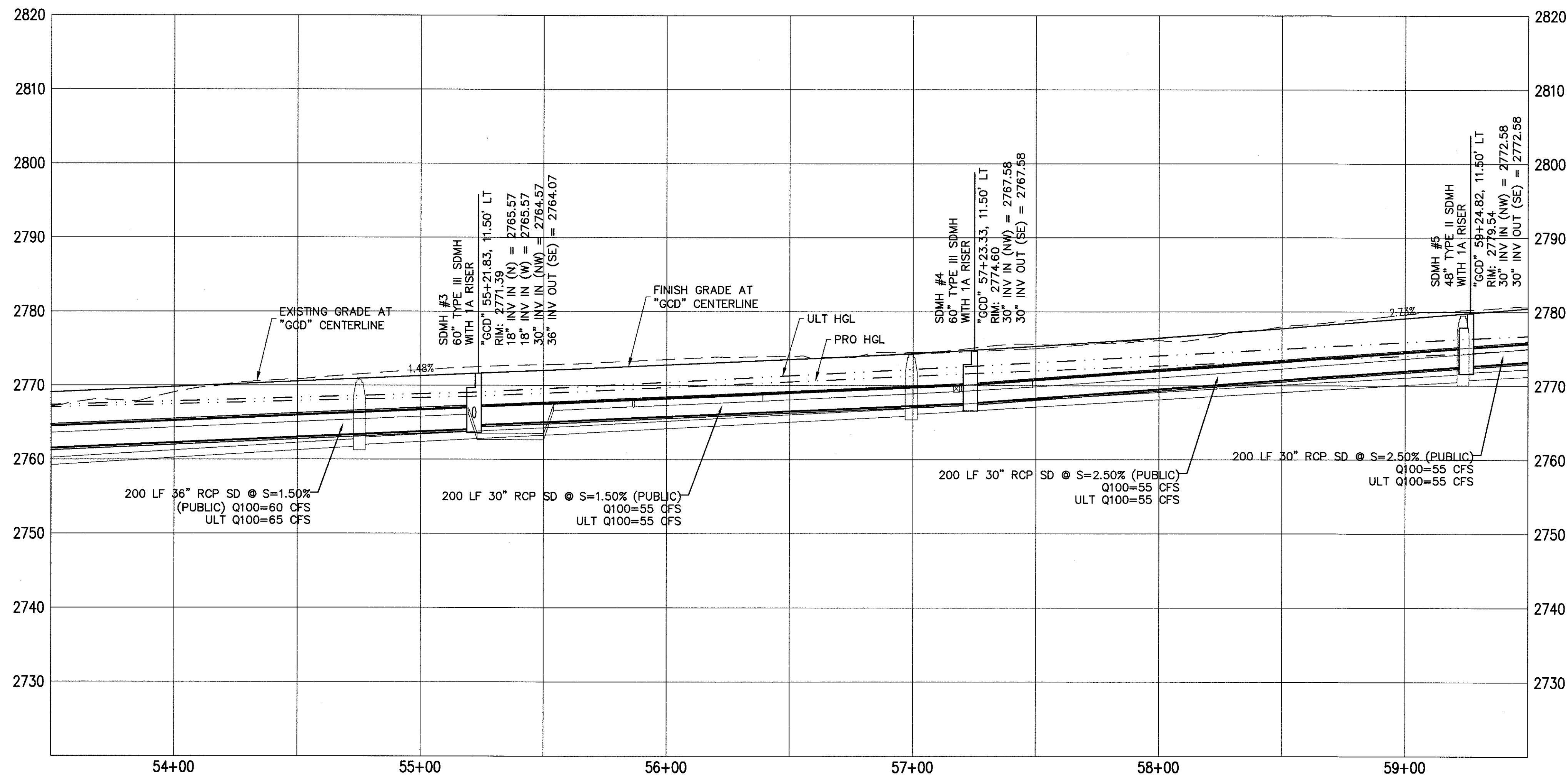
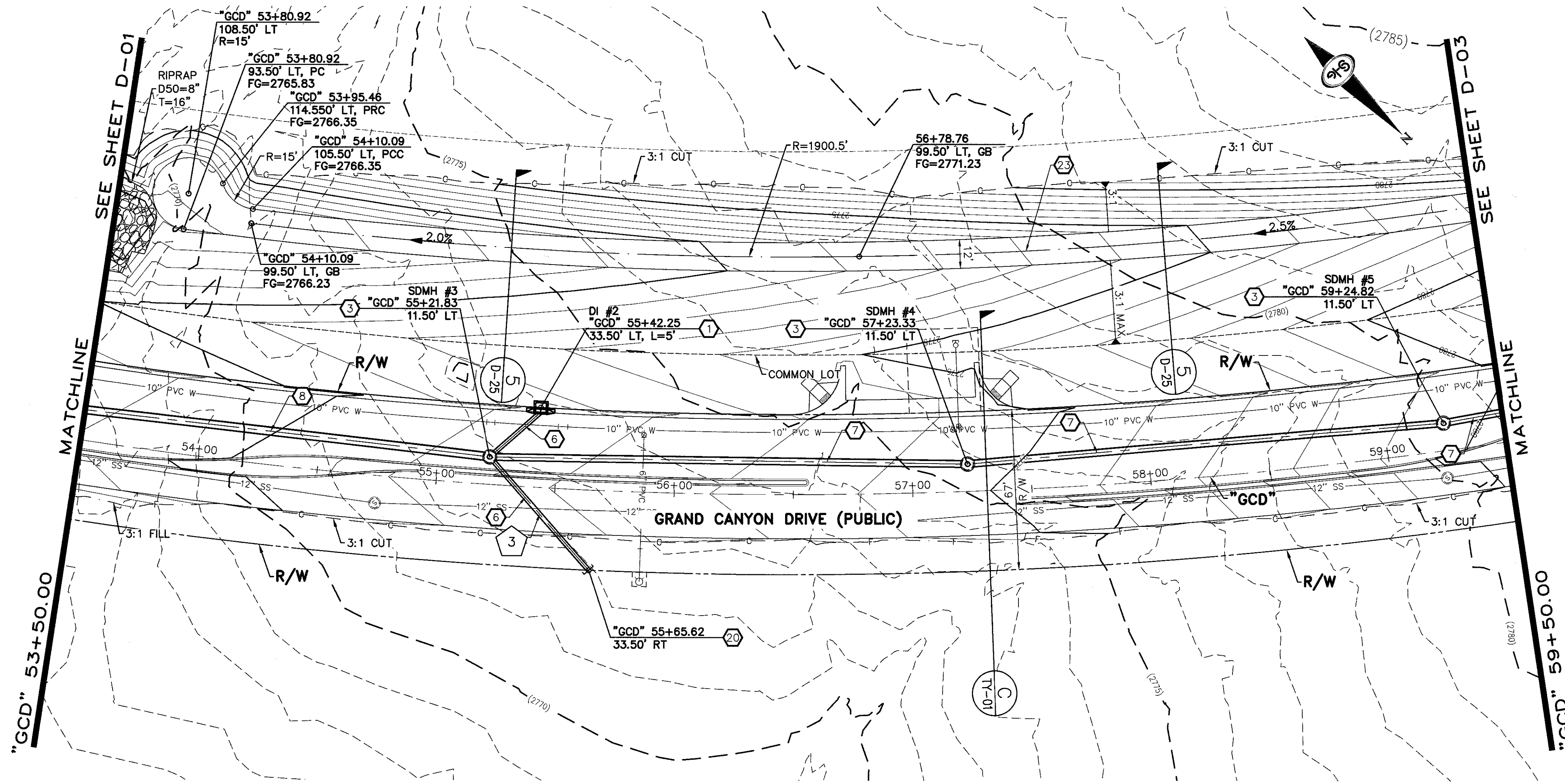
SLATER HANFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5399 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3A
GRAND CANYON DRIVE
STORM DRAIN PLAN AND PROFILE - "GCD" 47+00.00 TO "GCD" 53+50.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1609-000

JERRY SLATER
P.E. 14167
Exp. 06/30/2025
CIVIL
Professional Engineer - State of Nevada
No. 14167

D-01
SHEET 5 OF 31



- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 - CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 - CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
 - CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
 - INSTALL 18" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 30" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
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 - INSTALL CHAIN LINK GATES (USDCCA STD. DWG. NO. 253)
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LEGEND

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I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

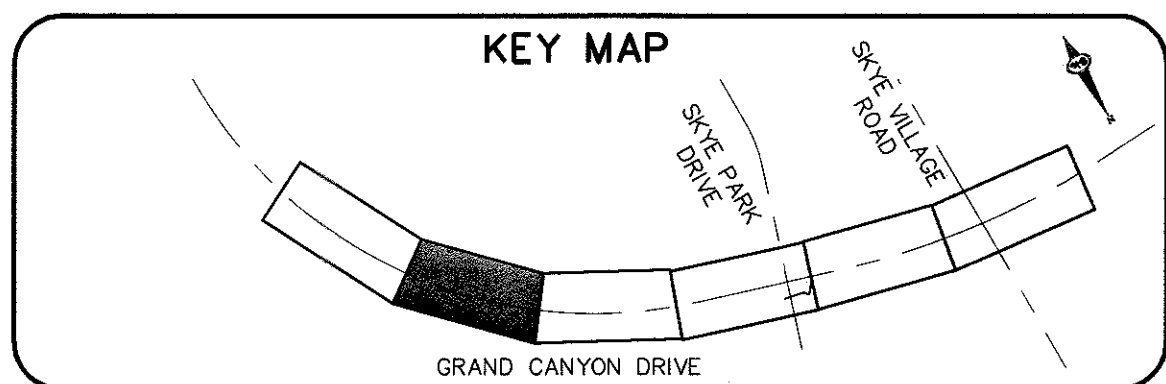
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL:32003C1735E, DATED SEPTEMBER 27, 2002

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NINETY-FIVE MANAGEMENT LLC

**SLATER
HANIFAN
GROUP**
CONSULTING ENGINEERS & PLANNERS
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PHONE (702) 284-5300 FAX (702) 284-5399

SKYE CANYON II PHASE 3A
GRAND CANYON DRIVE

STORM DRAIN PLAN AND PROFILE - "GCD" 53+50.00 TO "GCD" 59+50.00

DATE: 4/5/18

DRAFTER: AM

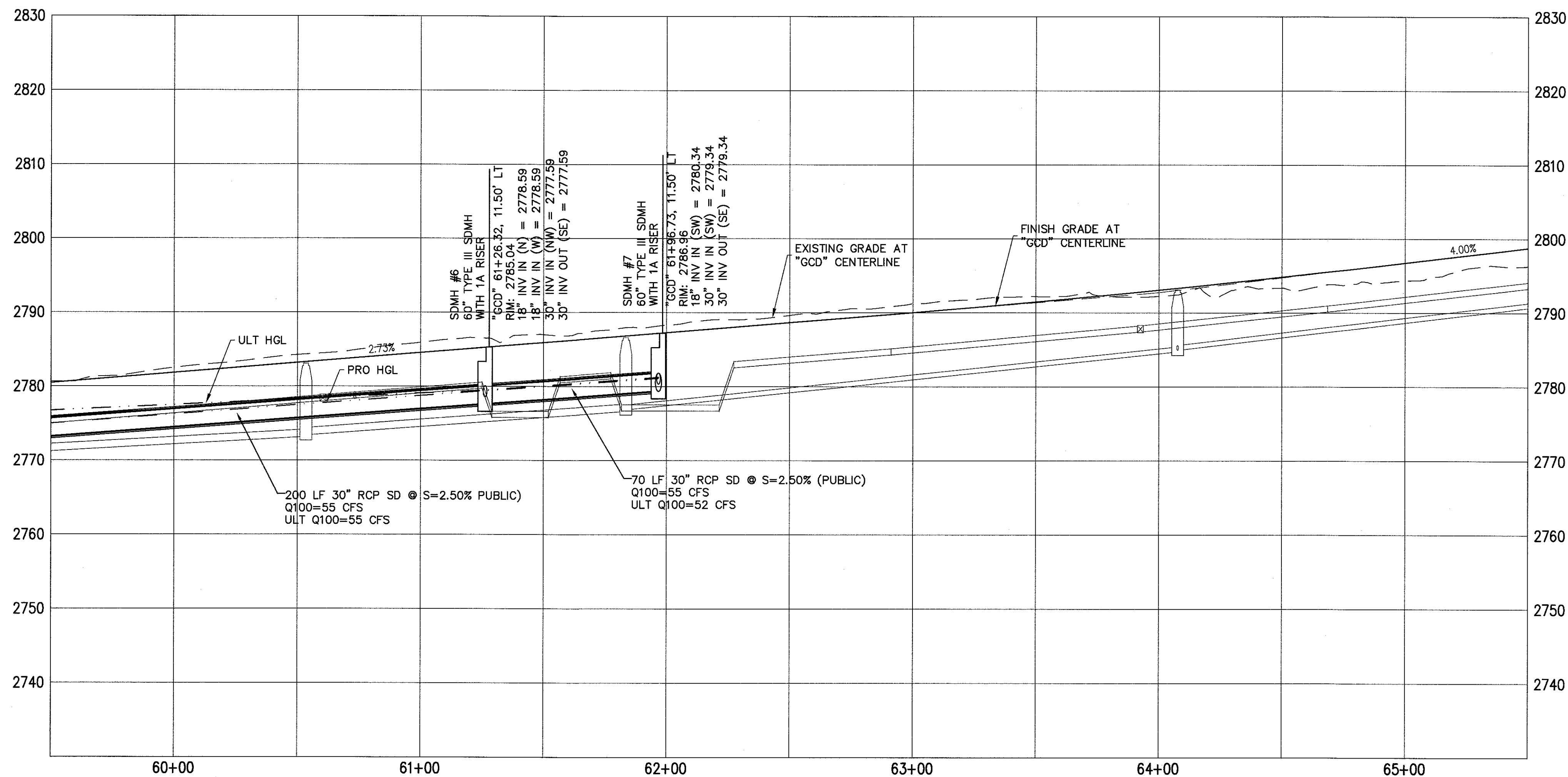
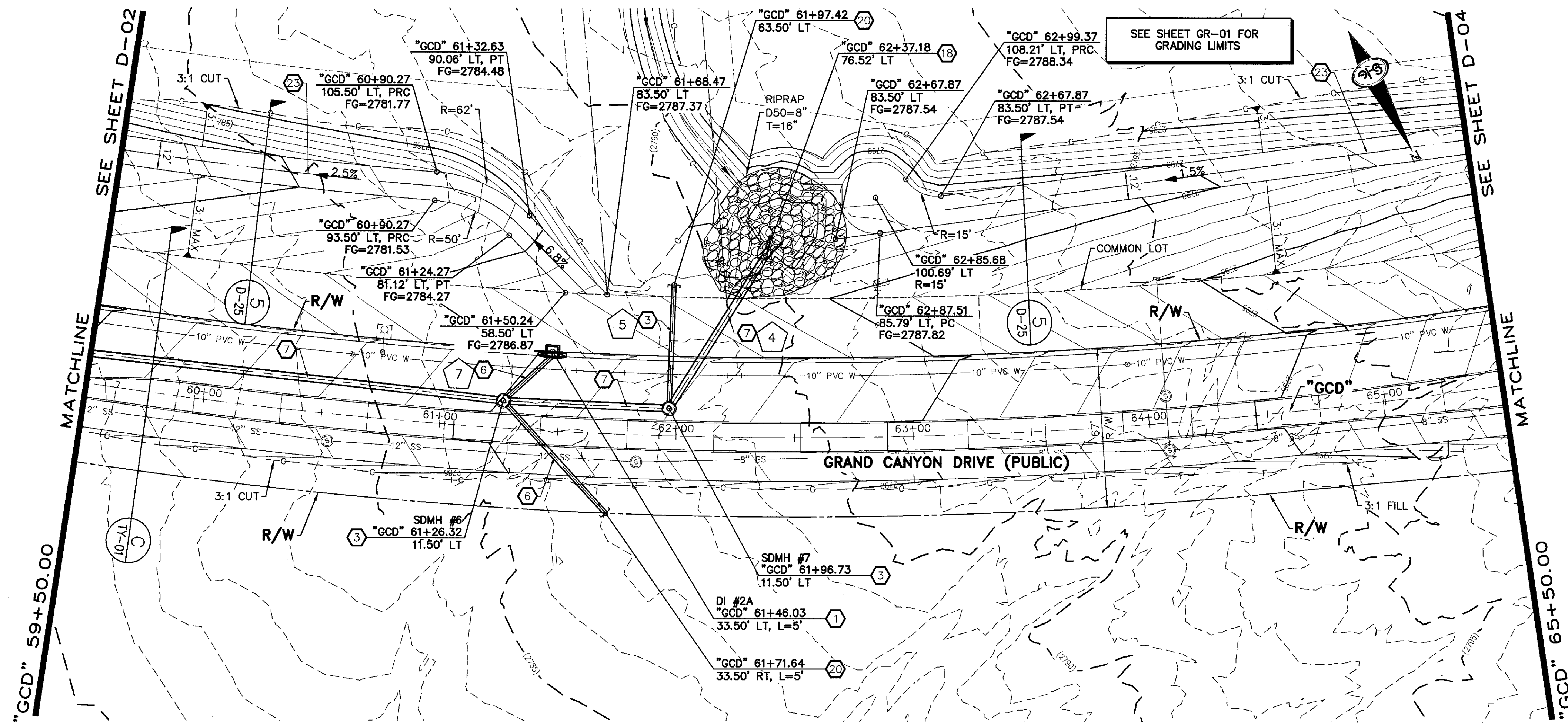
DESIGNER: DAM

CHECKED: JSR

PROJECT NO.
OLY1609-000

D-02

SHEET 6 OF 31



- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
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LEGEND

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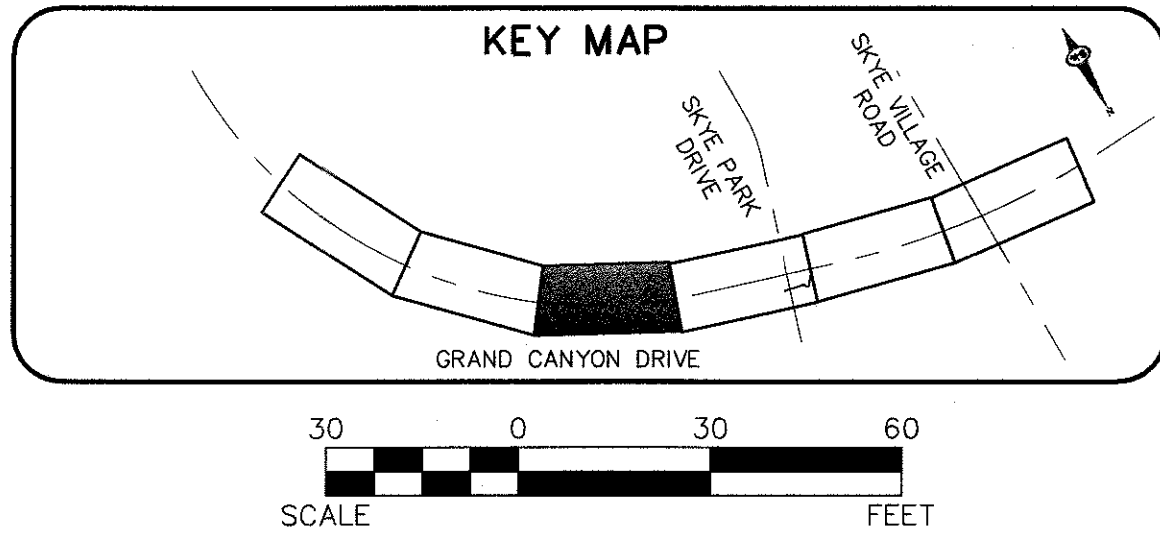
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

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5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1609-000

D-03
SHEET 7 OF 31

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A
GRAND CANYON DRIVE

STORM DRAIN PLAN AND PROFILE - "GCD" 59+50.00 TO "GCD" 65+50.00

- STORM DRAIN NOTES**
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 31. INSTALL CHAIN LINK GATES (USDCCA STD. DWG. NO. 253)
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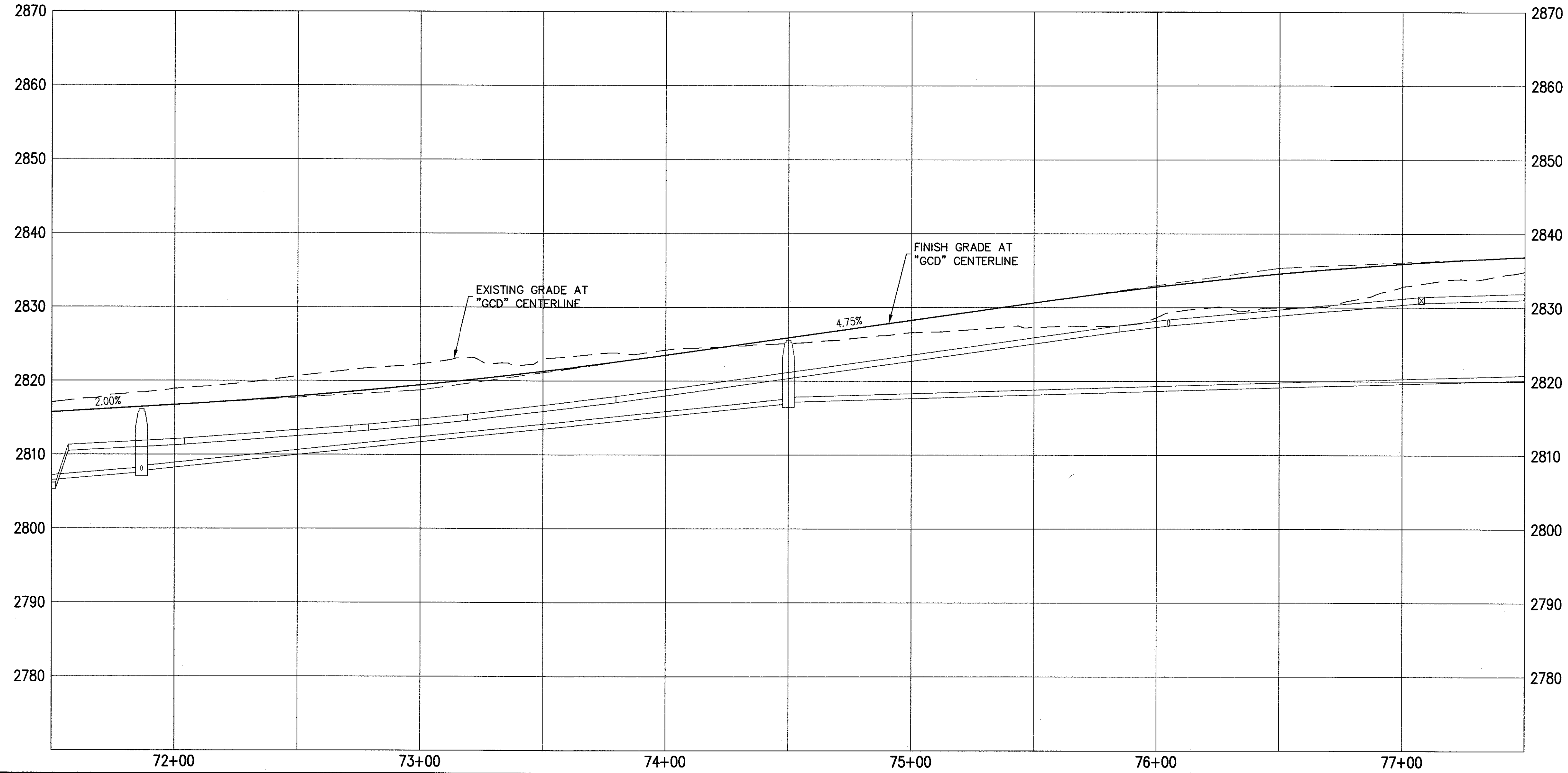
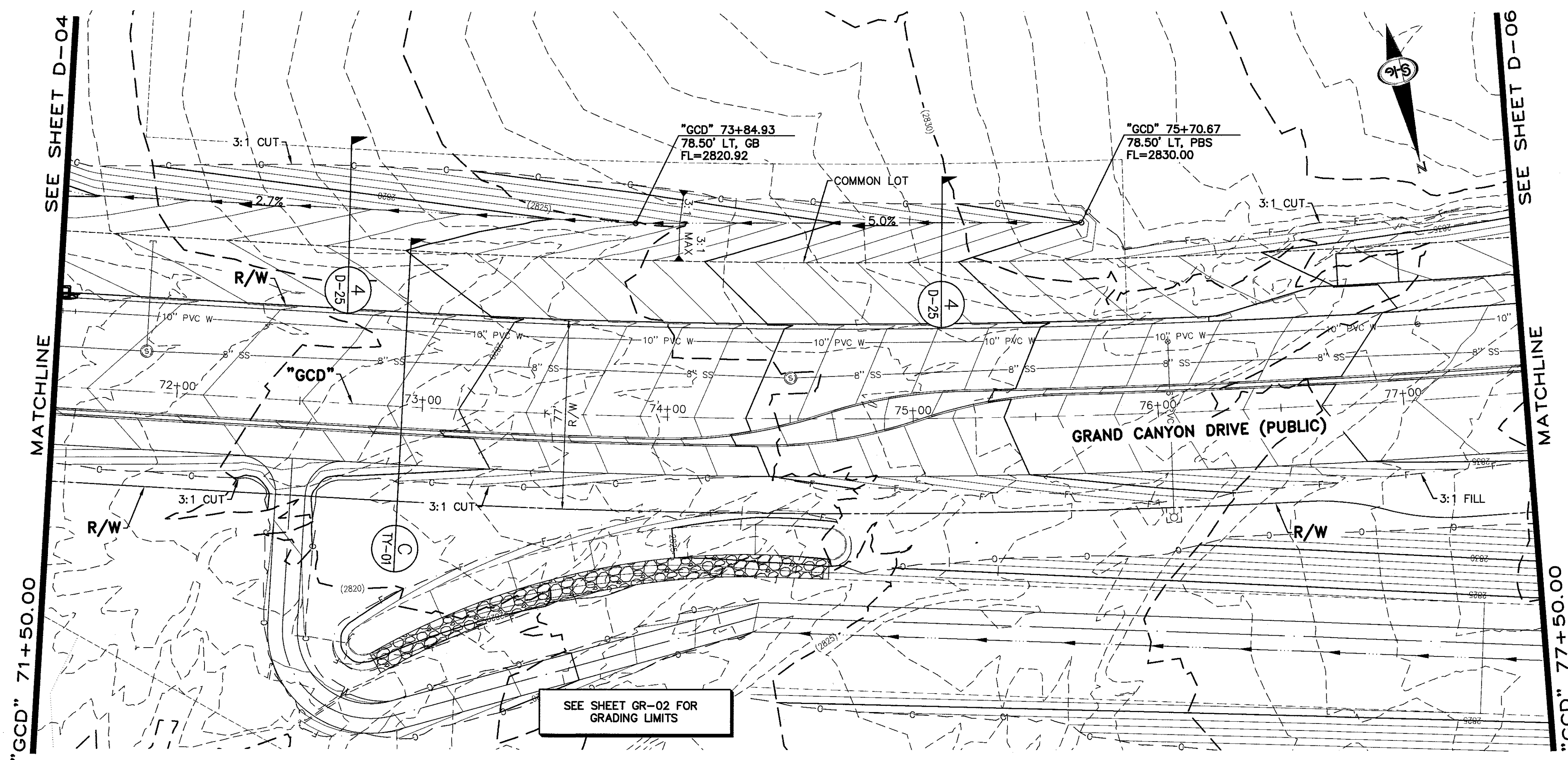
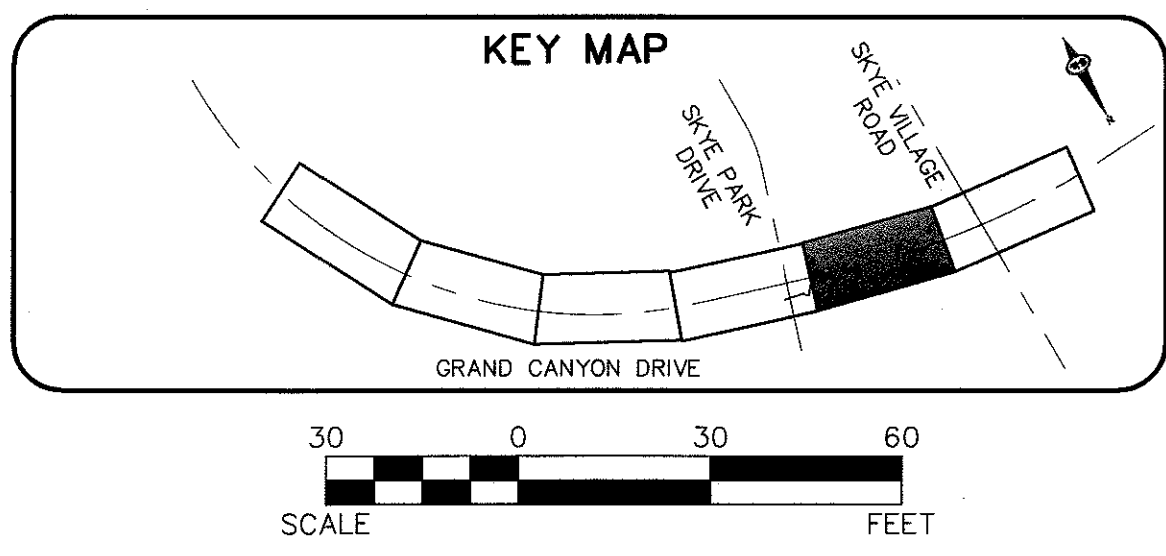
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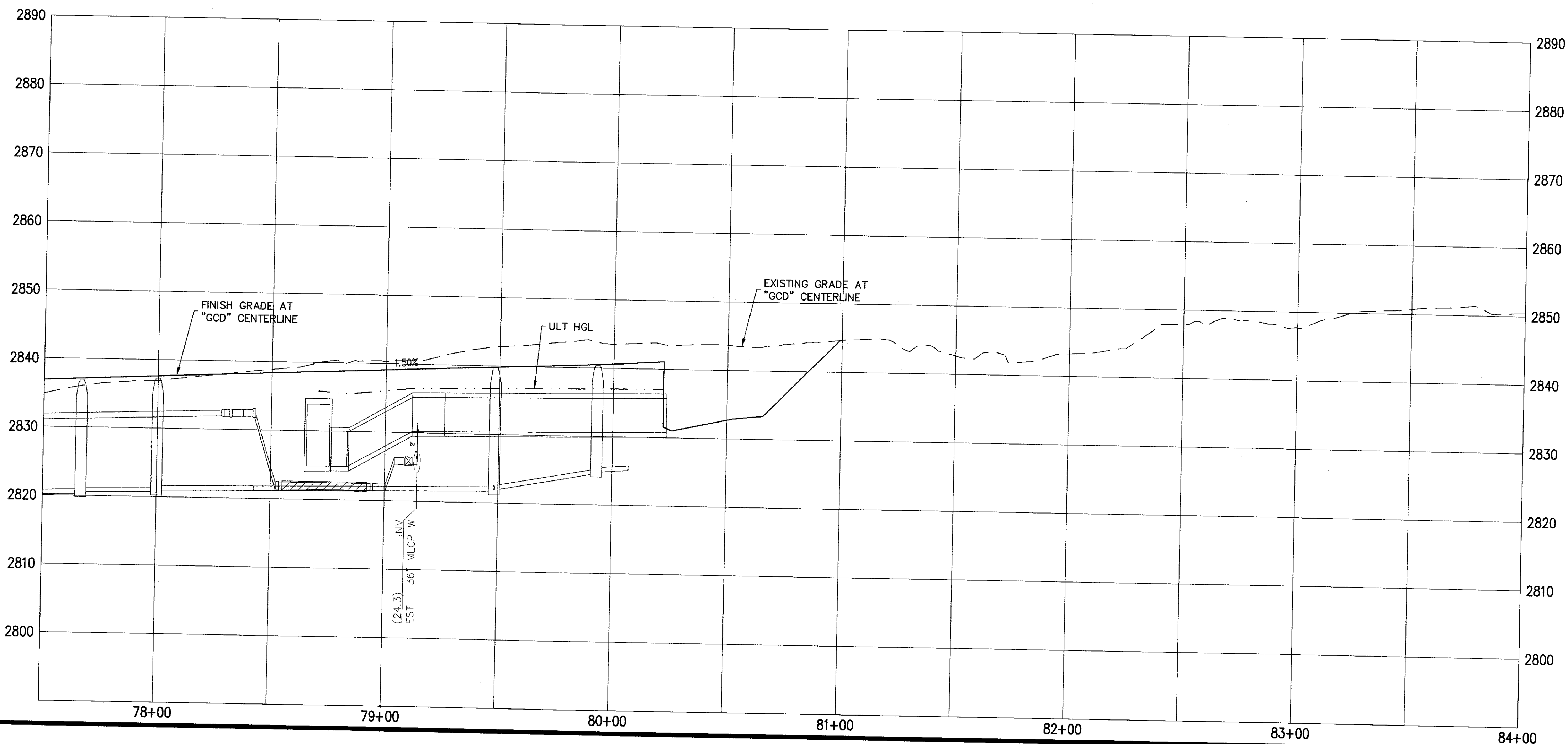
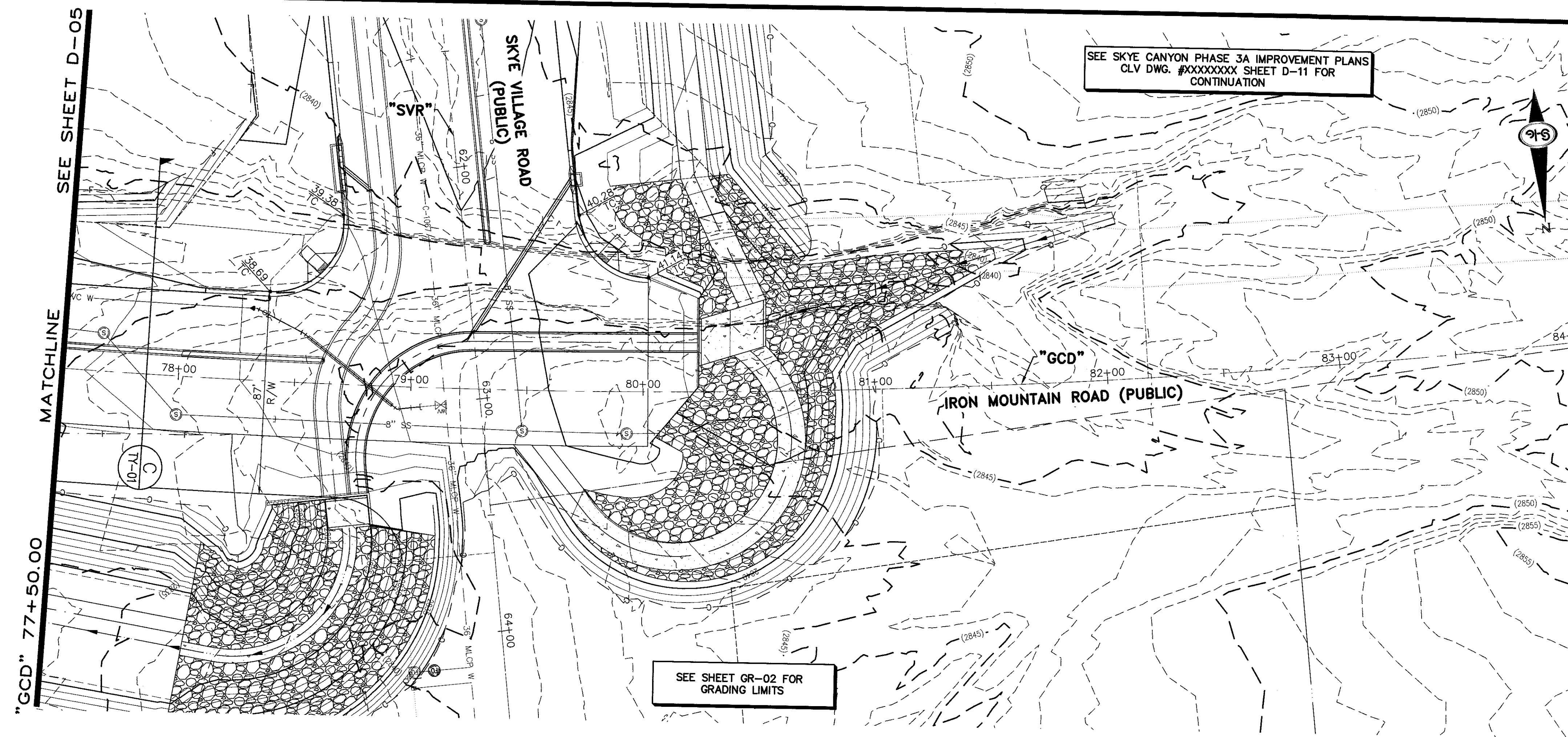
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 - CONSTRUCT CONCRETE PAD WITH 3' CUTOFF WALL (SEE DETAIL 14, DRAWING D-25)
 - CONSTRUCT 3' CUTOFF WALL (SEE DETAIL 15, DRAWING D-25)

- ### NOTES
- ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
 - ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
 - ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
 - SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 - ALL PIPES ARE PUBLICLY MAINTAINED.
 - ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

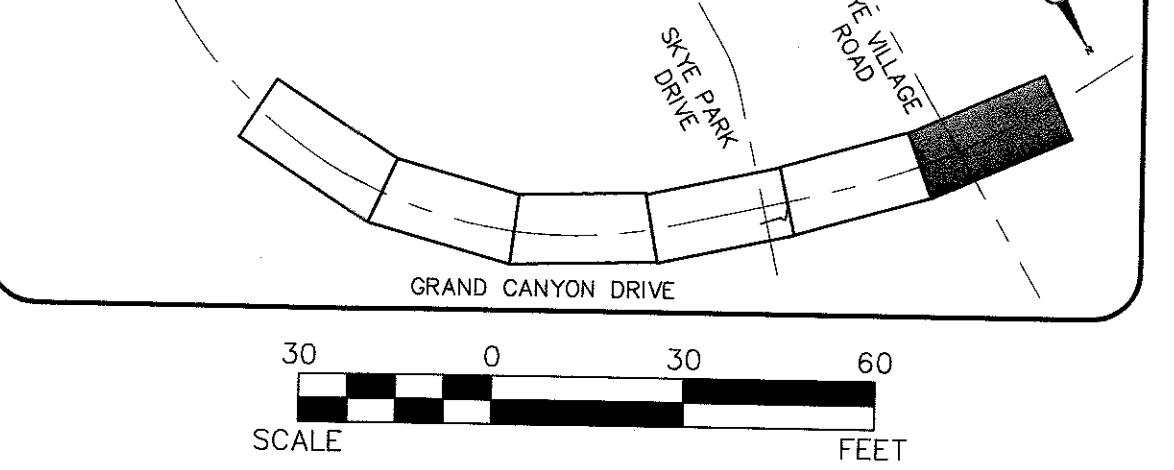
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL:32003C1735E, DATED SEPTEMBER 27, 2002

NOTE:

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

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SLATER HANFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118

PHONE (702) 284-5399 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A

GRAND CANYON DRIVE

STORM DRAIN PLAN AND PROFILE - "GCD" 77+50.00 TO "GCD" 84+00.00

DATE: 4/5/18

DRAFTER: AM

DESIGNER: DAM

CHECKED: JSR

PROJECT NO. OLY1609-000

PROFESSIONAL ENGINEER - STATE OF NEVADA

JERRY J. SLATER

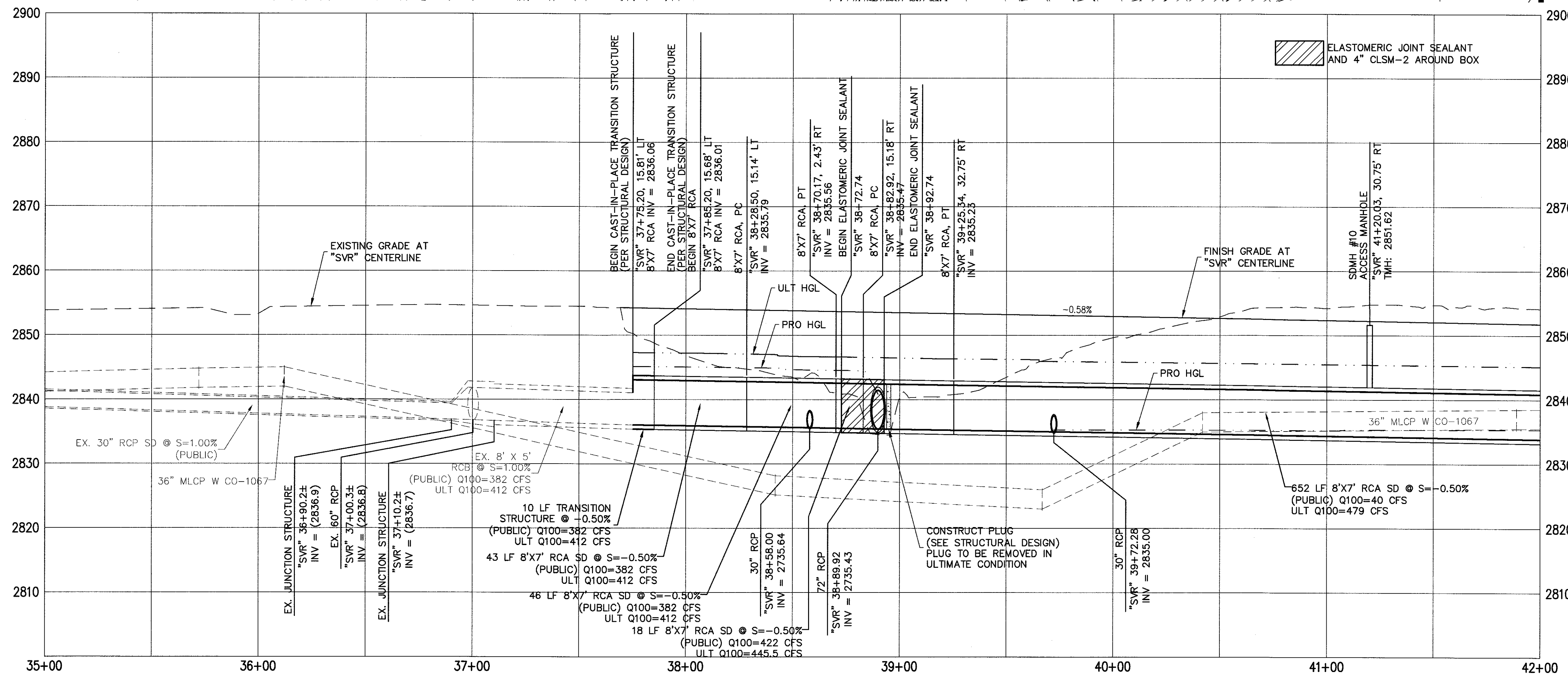
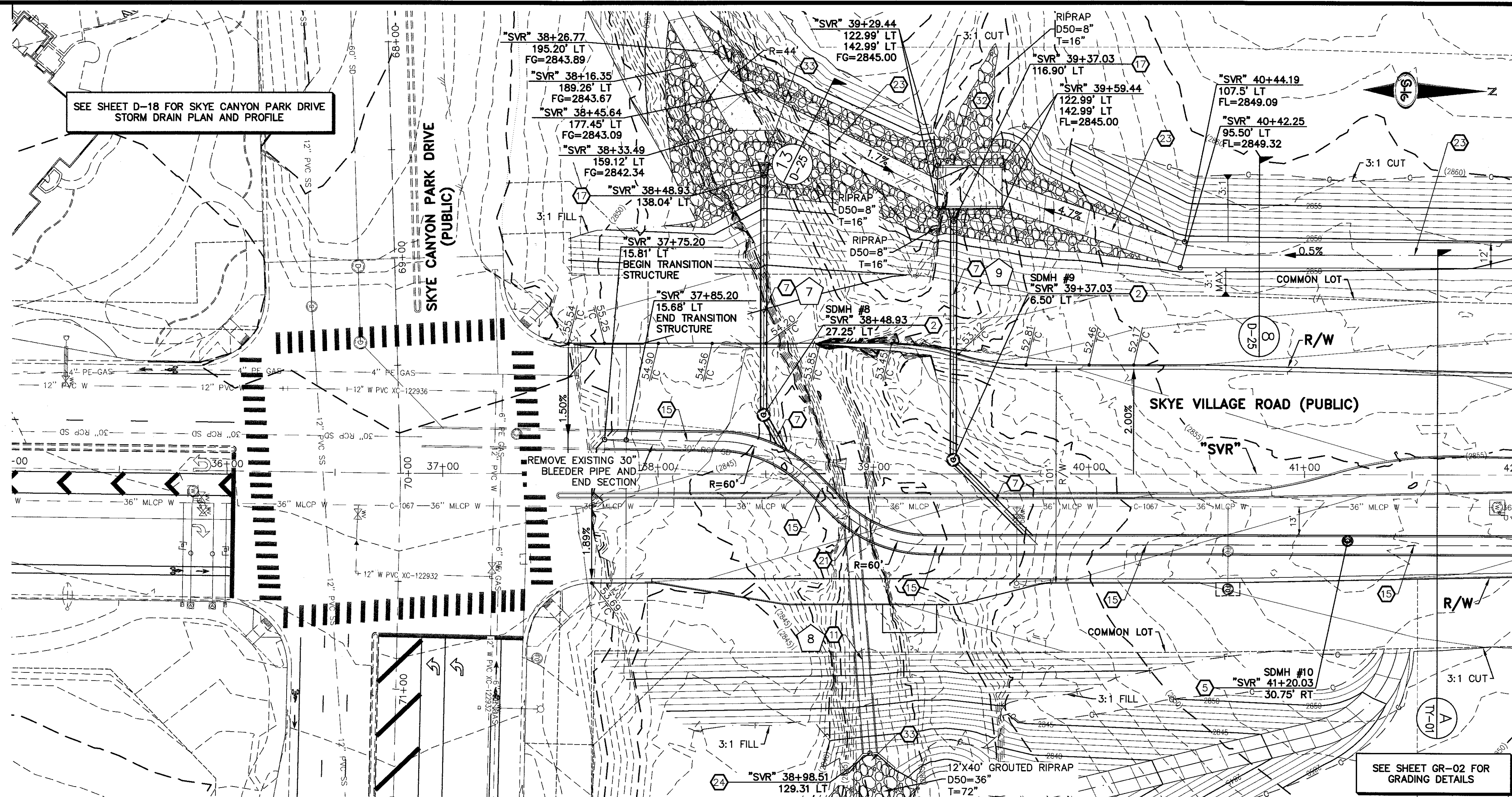
Exp. 06/30/2020

CIVIL

No. 14167

D-06

SHEET 10 OF 31



- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 - CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 - CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
 - CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
 - INSTALL 18" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
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 - INSTALL 36" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 42" RCP (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 60" RCP (USDCCA STD. DWG. NO. 503.2)
 - INSTALL 72" RCP (USDCCA STD. DWG. NO. 503.2)
 - CONSTRUCT 48" TYPE II MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 - CONSTRUCT 6' X 6' RCB (NDOT STD. PLAN B-20.1.2)
 - CONSTRUCT 7' X 5' RCB (NDOT STD. PLAN B-20.1.2)
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 - INSTALL 30" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
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 - INSTALL 42" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
 - CONSTRUCT BRICK AND MORTAR PLUG (SEE DETAIL 3, DRAWING D-25)
 - CONSTRUCT INTERIM PLUG PER STRUCTURAL DETAIL
 - INSTALL 54" RCP (USDCCA STD. DWG. NO. 503.2)
 - 12' WIDE X 6" THICK TYPE II MAINTENANCE ACCESS PATH
 - CONSTRUCT CULVERT HEADWALL (NDOT STD. PLAN R-2.5.2 & R-2.5.2.1)
 - CONSTRUCT CONCRETE COLLAR (SEE DETAIL 1, DRAWING D-25)
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LEGEND

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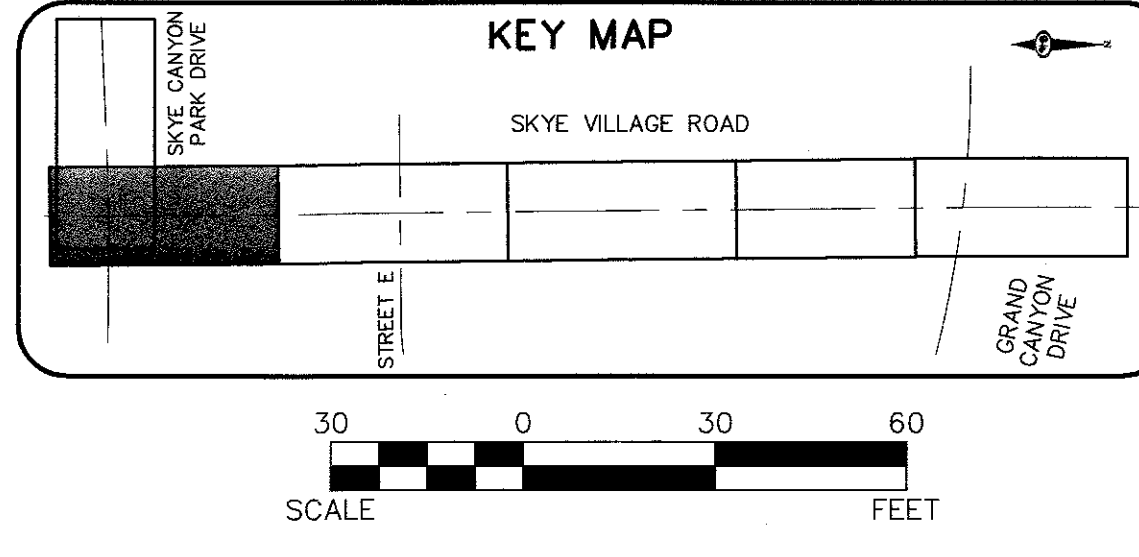
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735E, DATED SEPTEMBER 27, 2002

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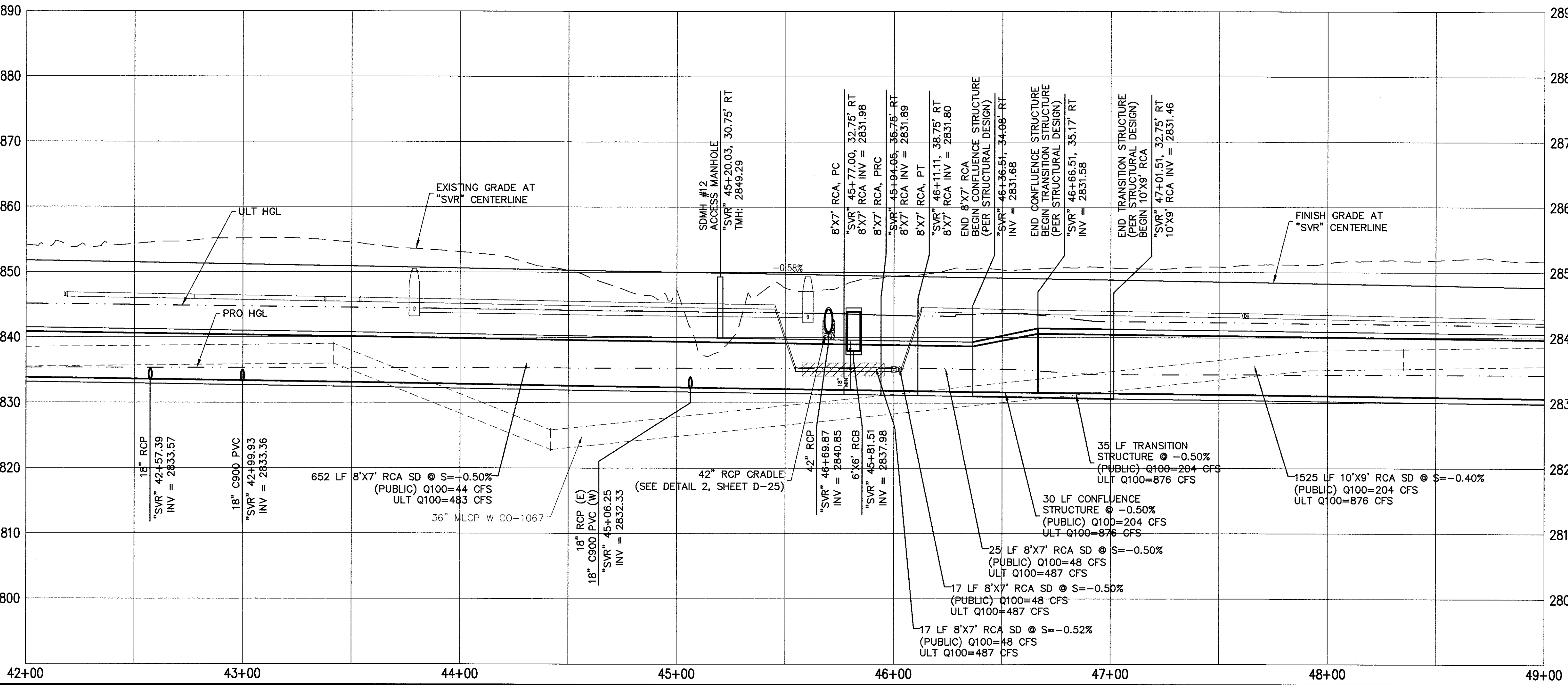
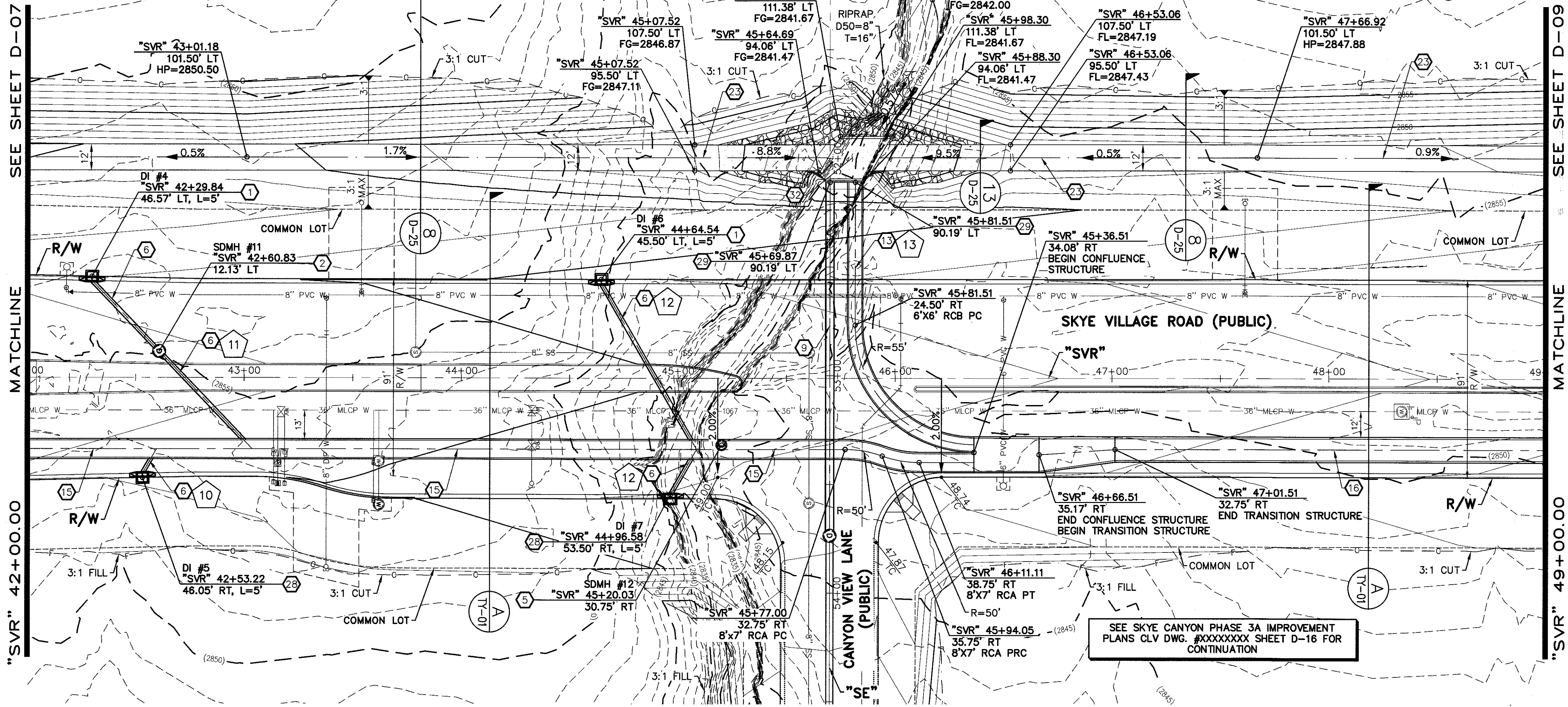


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 CONSULTING ENGINEERS & PLANNERS
 5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
 PHONE (702) 284-5399 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
 SKYE CANYON II PHASE 3A
 SKYE VILLAGE ROAD
 STORM DRAIN PLAN AND PROFILE - "SVR" 35+00.00 TO "SVR" 42+00.00

DATE: 4/5/18
 DRAFTER: AM
 DESIGNER: DAM
 CHECKED: JSR
 PROJECT NO.: OLY1609-000

D-07
 SHEET 11 OF 31



- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 - CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
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LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

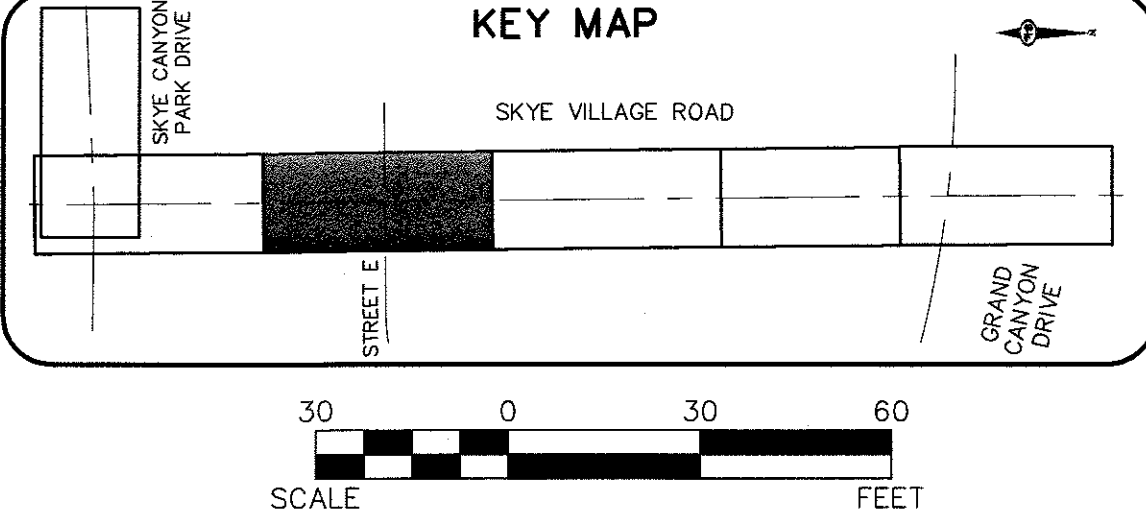
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JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

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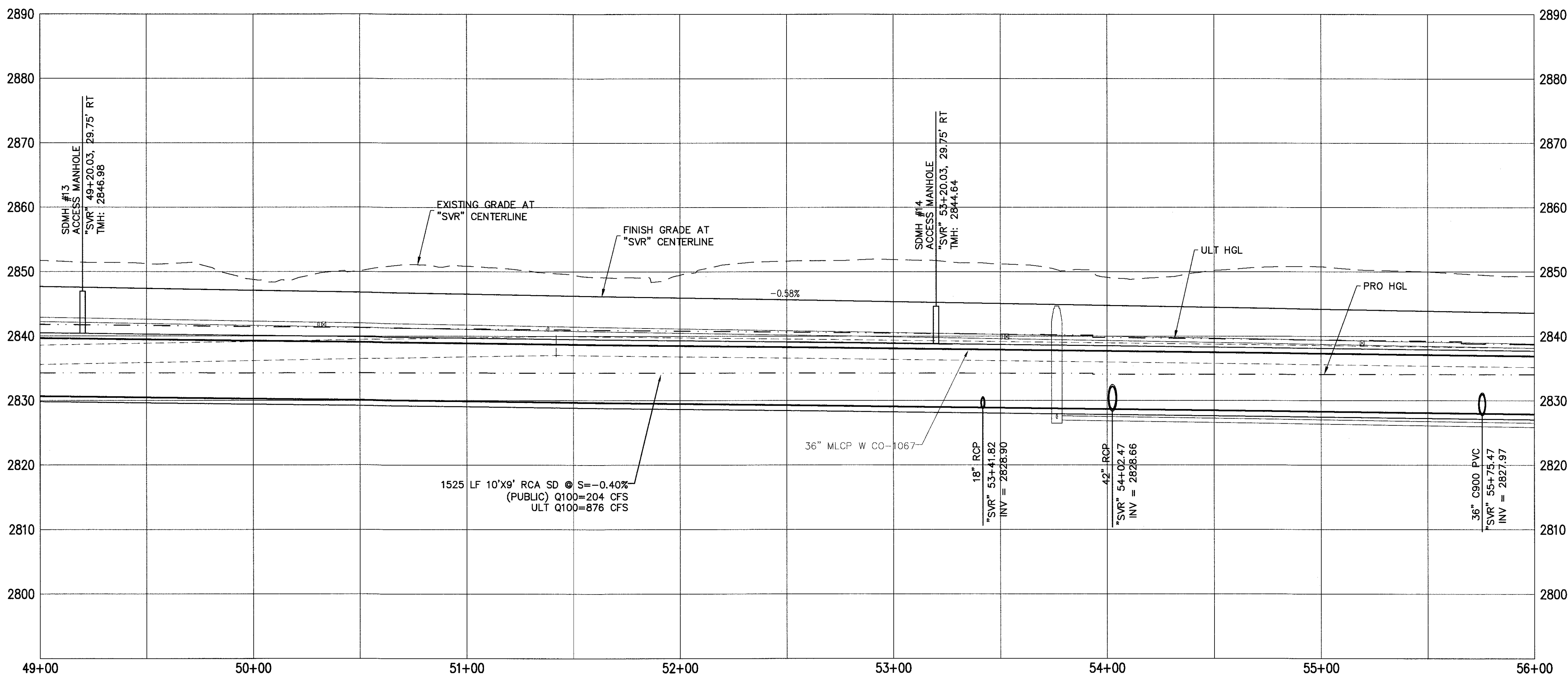
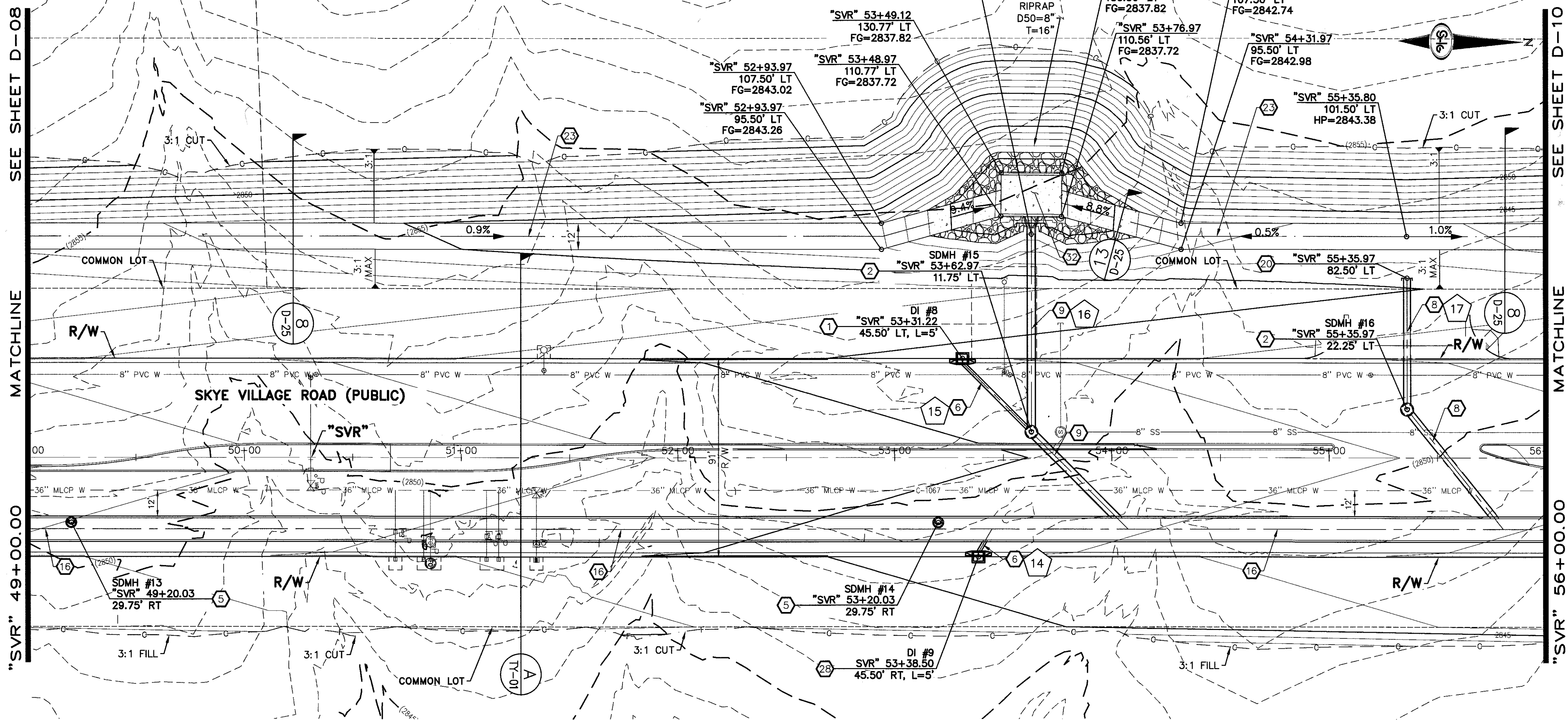


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5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3A
SKYE VILLAGE ROAD
STORM DRAIN PLAN AND PROFILE - "SVR" 42+00.00 TO "SVR" 49+00.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.
OLY1609-000

D-08
SHEET 12 OF 31



- ### STORM DRAIN NOTES
- CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 - CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 - CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
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LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

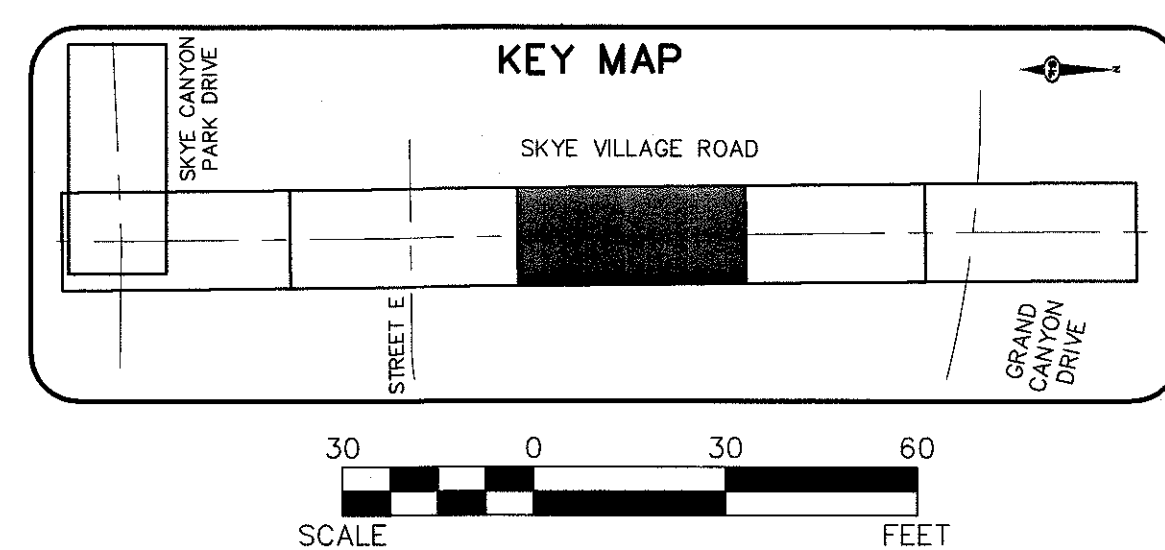
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735E, DATED SEPTEMBER 27, 2002

JERRY SLATER, P.E. 14167 DATE

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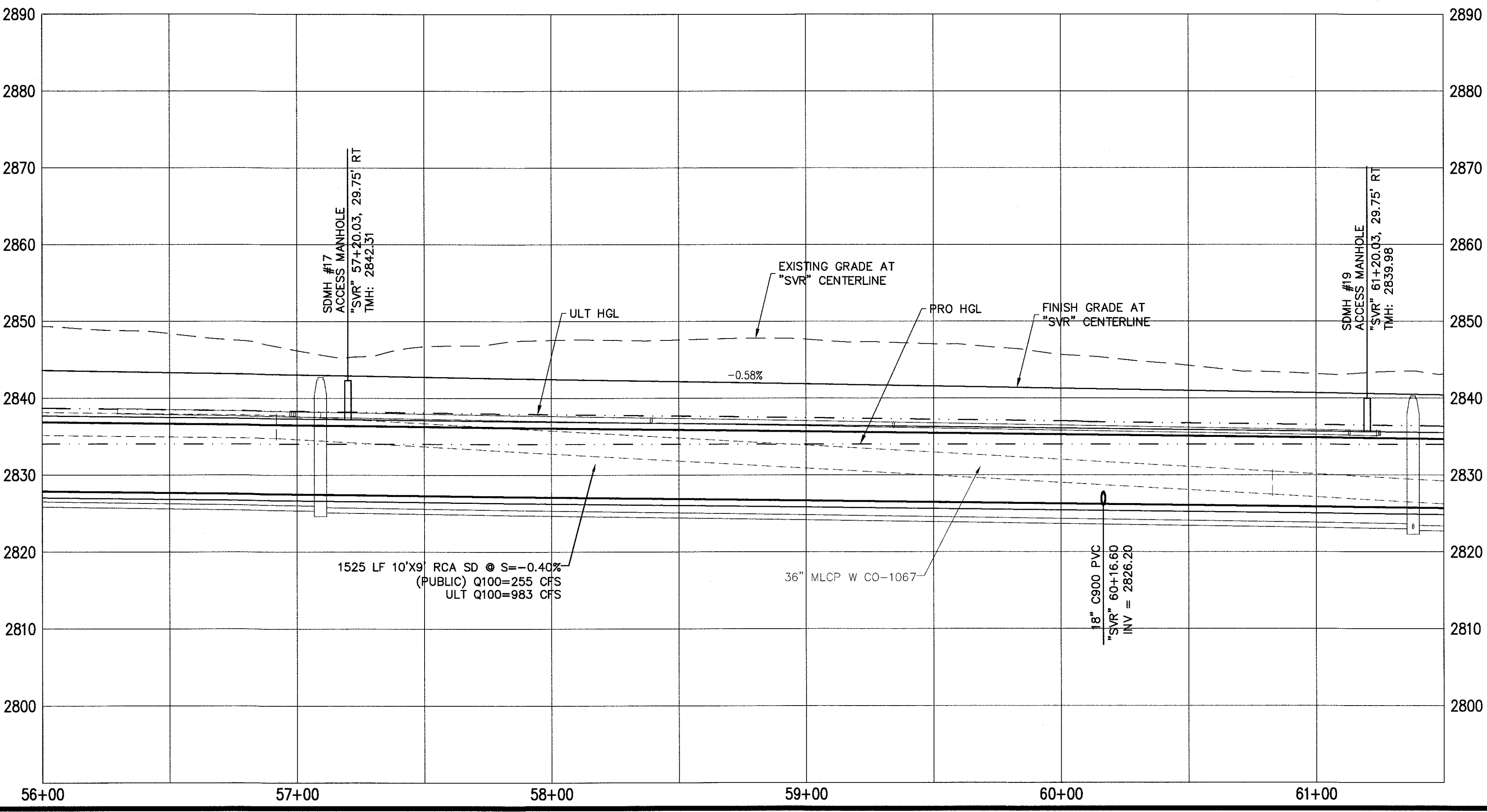
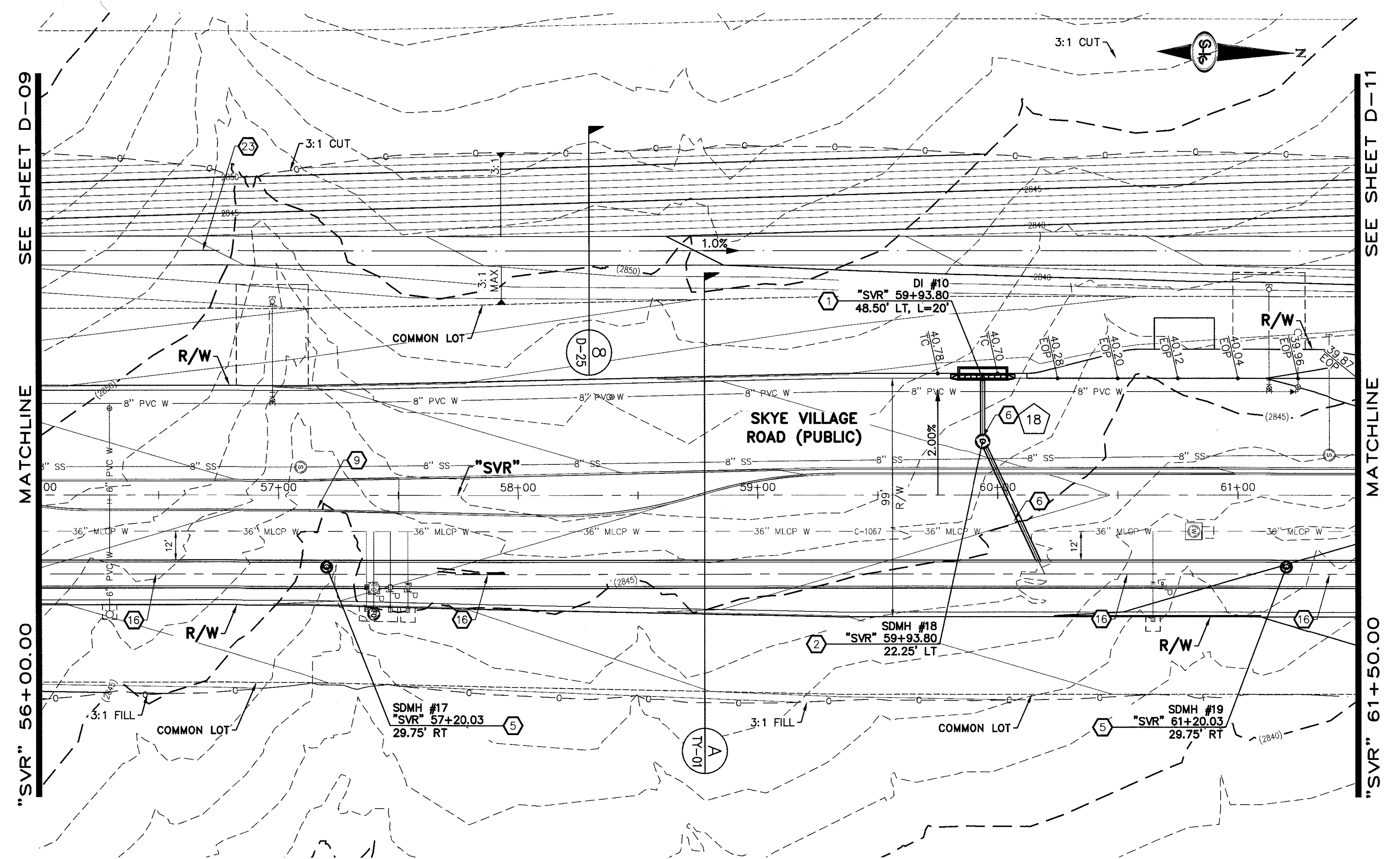
NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A
SKYE VILLAGE ROAD
STORM DRAIN PLAN AND PROFILE - "SVR" 49+00.00 TO "SVR" 56+00.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1609-000

JERRY SLATER
P.E. 14167
CIVIL
Exp. 06/30/2020

D-09
SHEET 13 OF 31



- ### STORM DRAIN NOTES
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LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

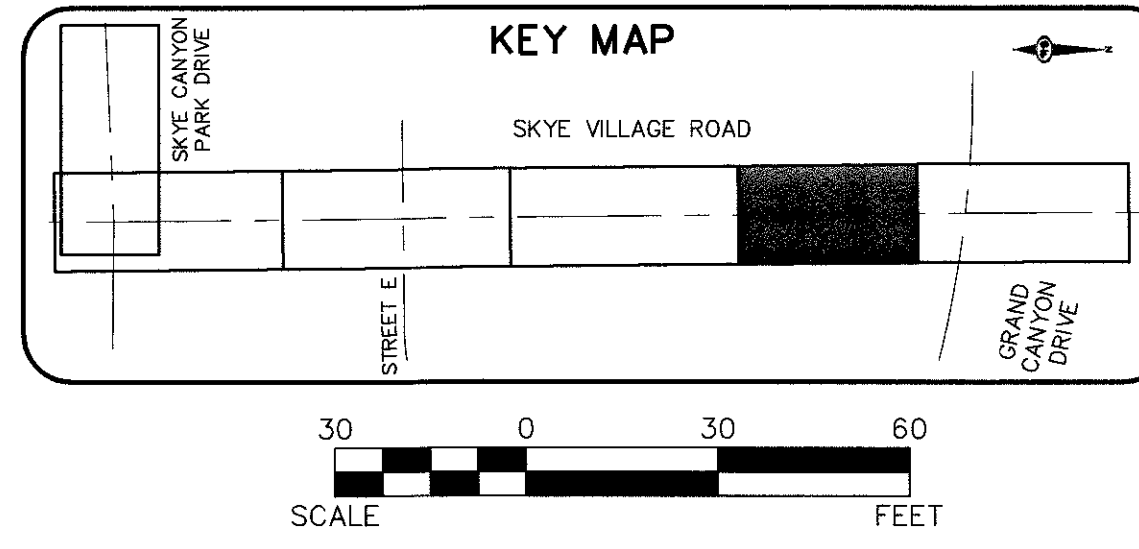
JERRY SLATER, P.E. 14167 DATE

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL:32003C1735E, DATED SEPTEMBER 27, 2002

NOTE:

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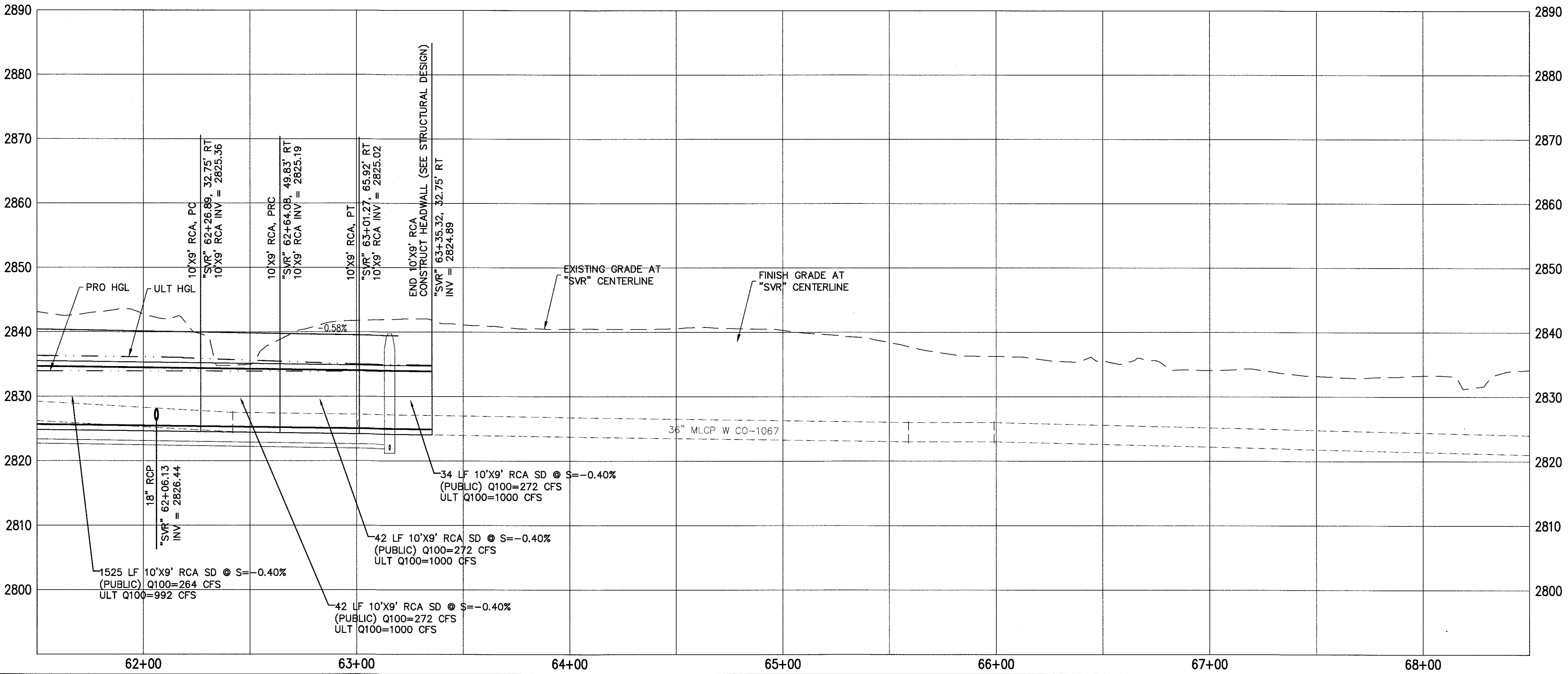
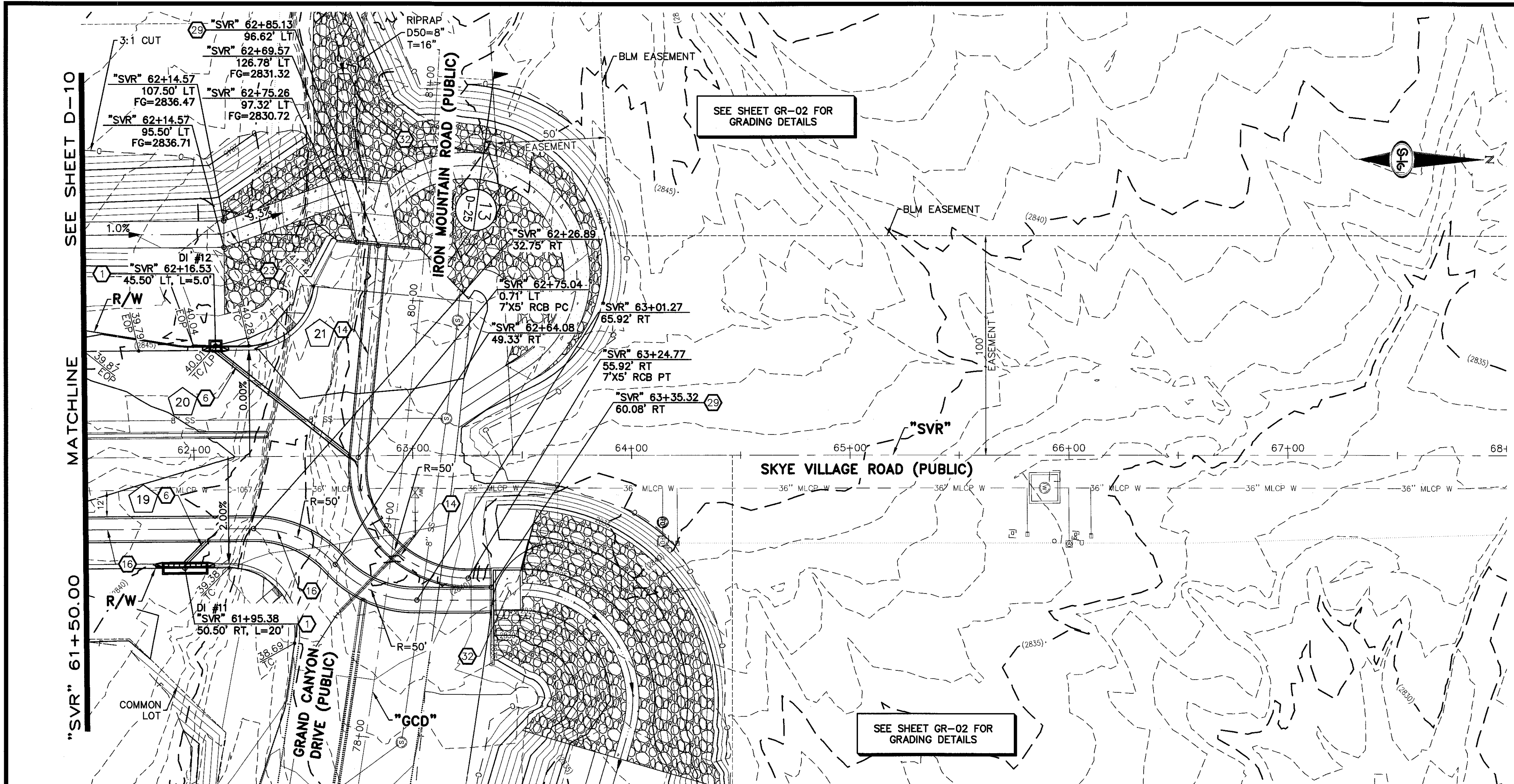
SLATER HANIFAN GROUP
 CONSULTING ENGINEERS & PLANNERS
 5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
 PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A
SKYE VILLAGE ROAD
STORM DRAIN PLAN AND PROFILE - "SVR" 56+00.00 TO "SVR" 61+50.00

DATE: 4/5/18
 DRAFTER: AM
 DESIGNER: DAM
 CHECKED: JSR
 PROJECT NO. OLY1609-000

D-10
 SHEET 14 OF 31



- ### STORM DRAIN NOTES
1. CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 2. CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 3. CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
 4. CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
 5. CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
 6. INSTALL 18" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
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 12. CONSTRUCT 48" TYPE II MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
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 32. CONSTRUCT CONCRETE PAD WITH 3' CUTOFF WALL (SEE DETAIL 14, DRAWING D-25)
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 4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 5. ALL PIPES ARE PUBLICLY MAINTAINED.
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DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
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LEGEND

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FLOOD ZONE

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JERRY SLATER, P.E. 14167 DATE

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KEY MAP

SKYE VILLAGE ROAD

SKYE CANYON PARK DRIVE

GRAND CANYON DRIVE

30 0 30 60 FEET

SCALE

1-702-227-2929

FAST

Call before you Dig

1-702-432-5300

Call before you Dig

1-800-227-2800

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

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NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A

SKYE VILLAGE ROAD

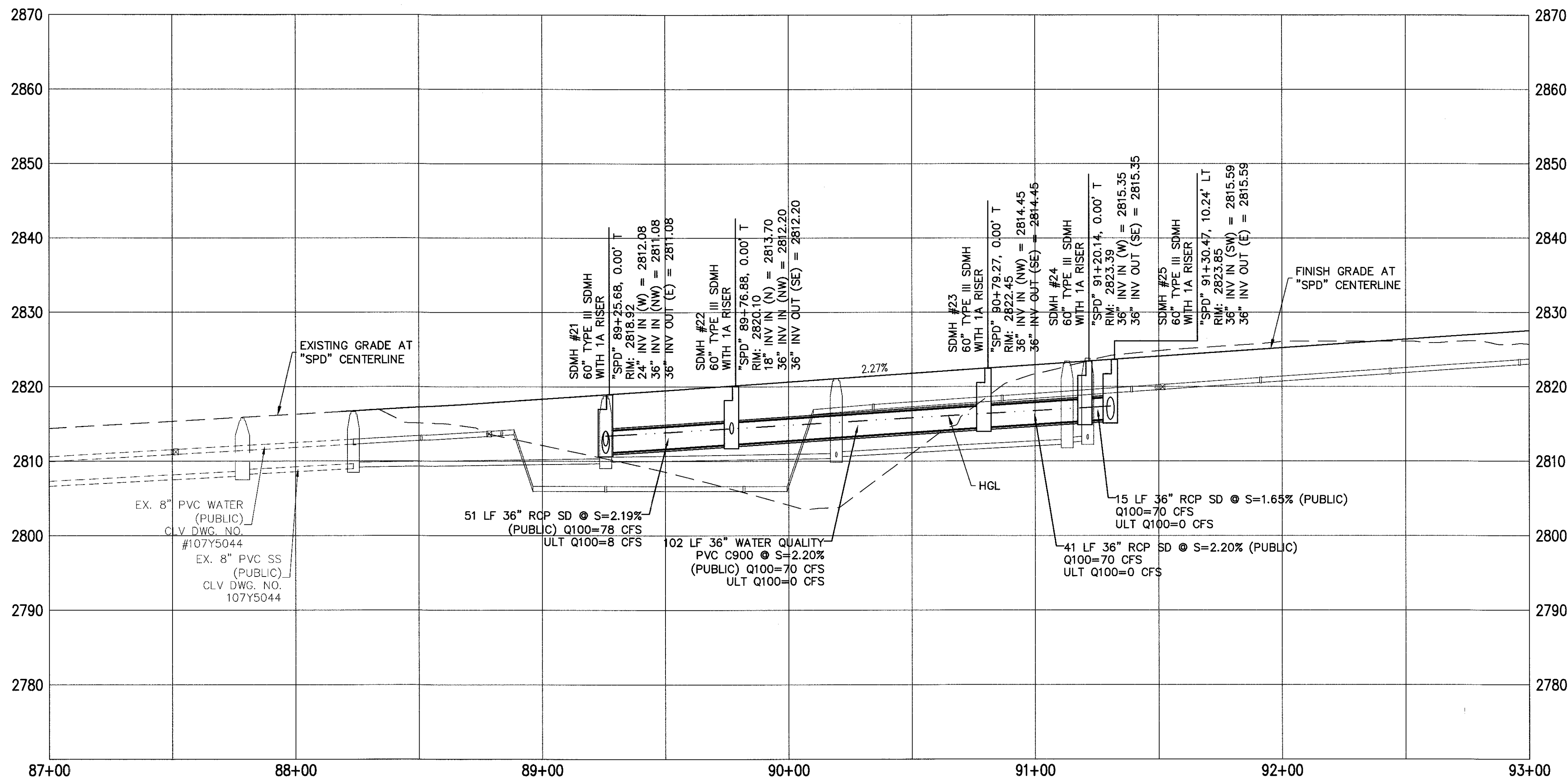
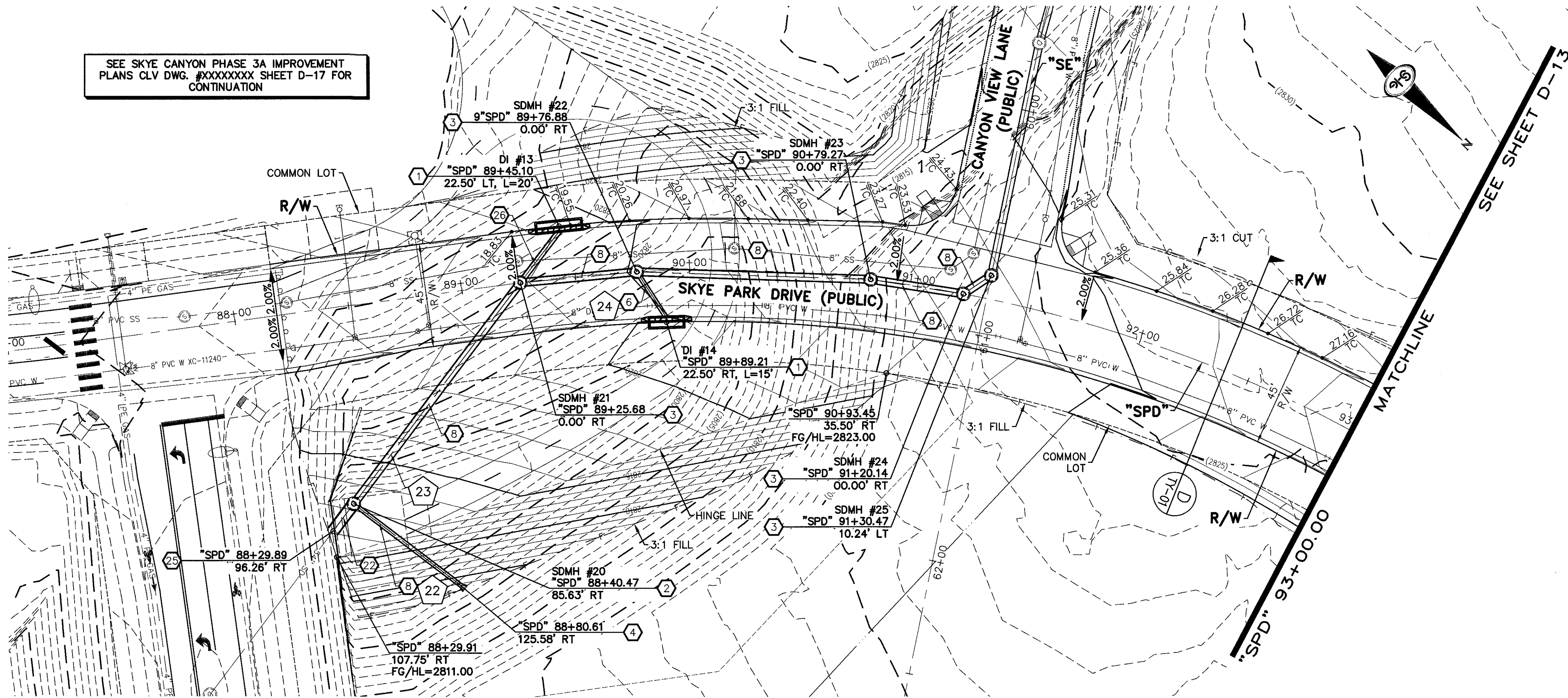
STORM DRAIN PLAN AND PROFILE - "SVR" 61+50.00 TO "SVR" 68+00.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1609-000

JERRY J. SLATER
P.E. 14167
CIVIL ENGINEER

D-11
SHEET 15 OF 31

SEE SKYE CANYON PHASE 3A IMPROVEMENT
PLANS CLV DWG. #XXXXXXX SHEET D-17 FOR
CONTINUATION



STORM DRAIN NOTES

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LEGEND



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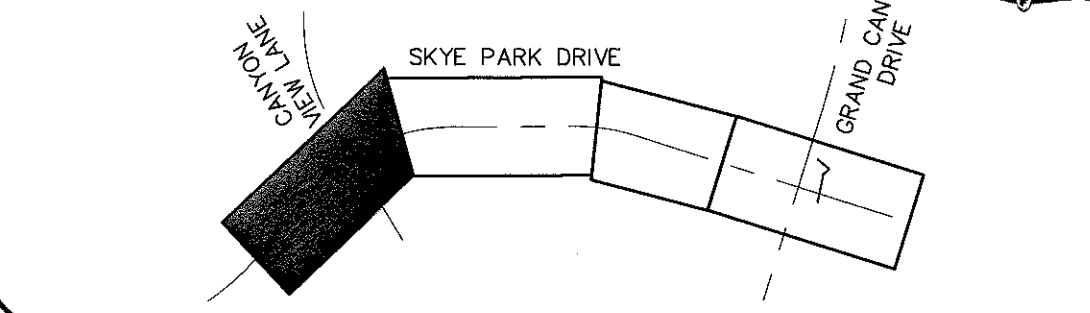
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KEY MAP



SCALE 30 0 30 60 FEET



SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

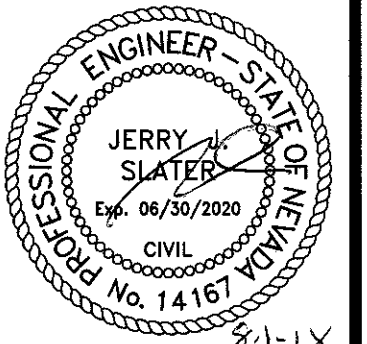
NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A
SKYE PARK DRIVE

STORM DRAIN PLAN AND PROFILE - "SPD" 87+00.00 TO "SPD" 93+00.00

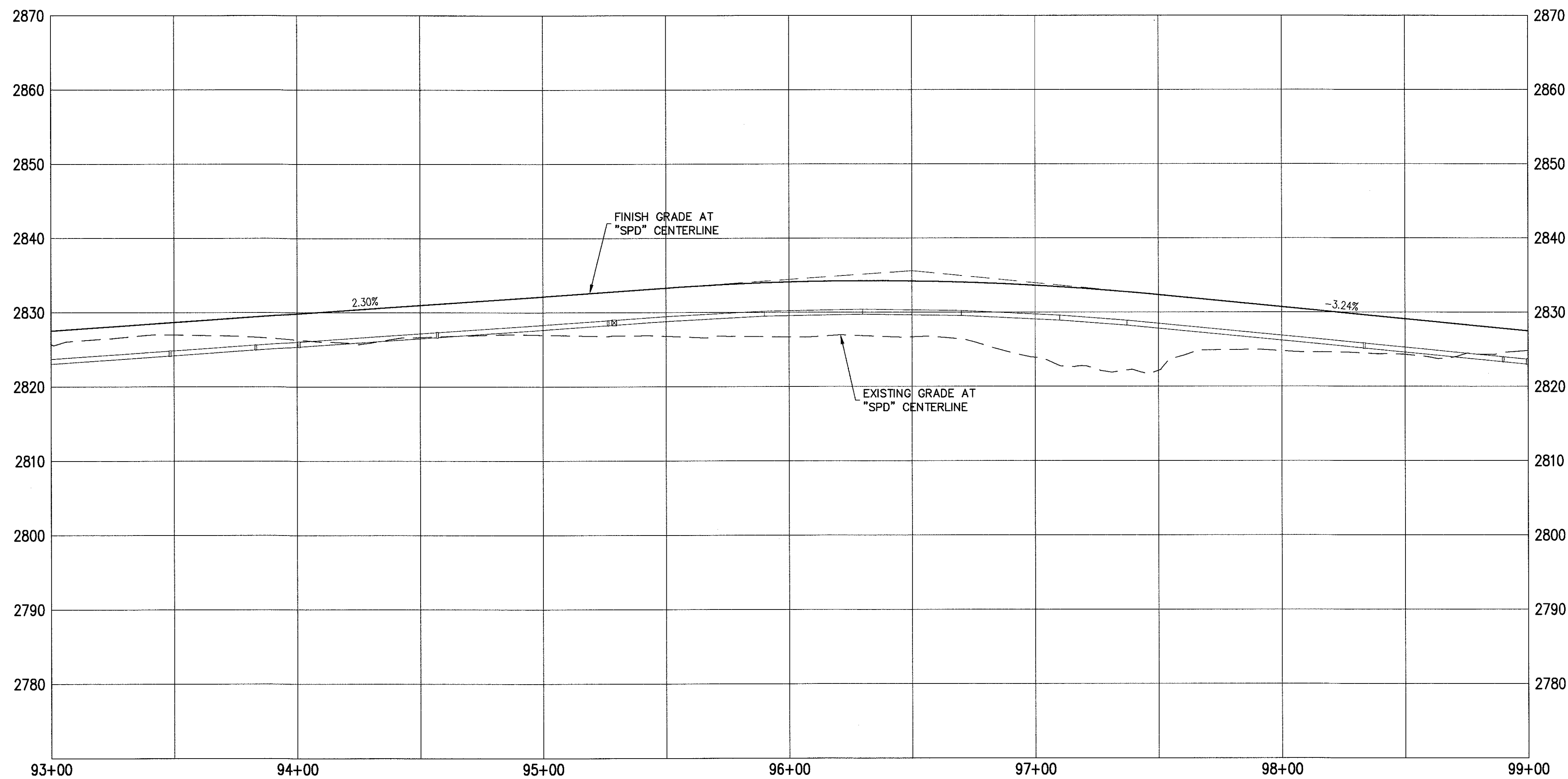
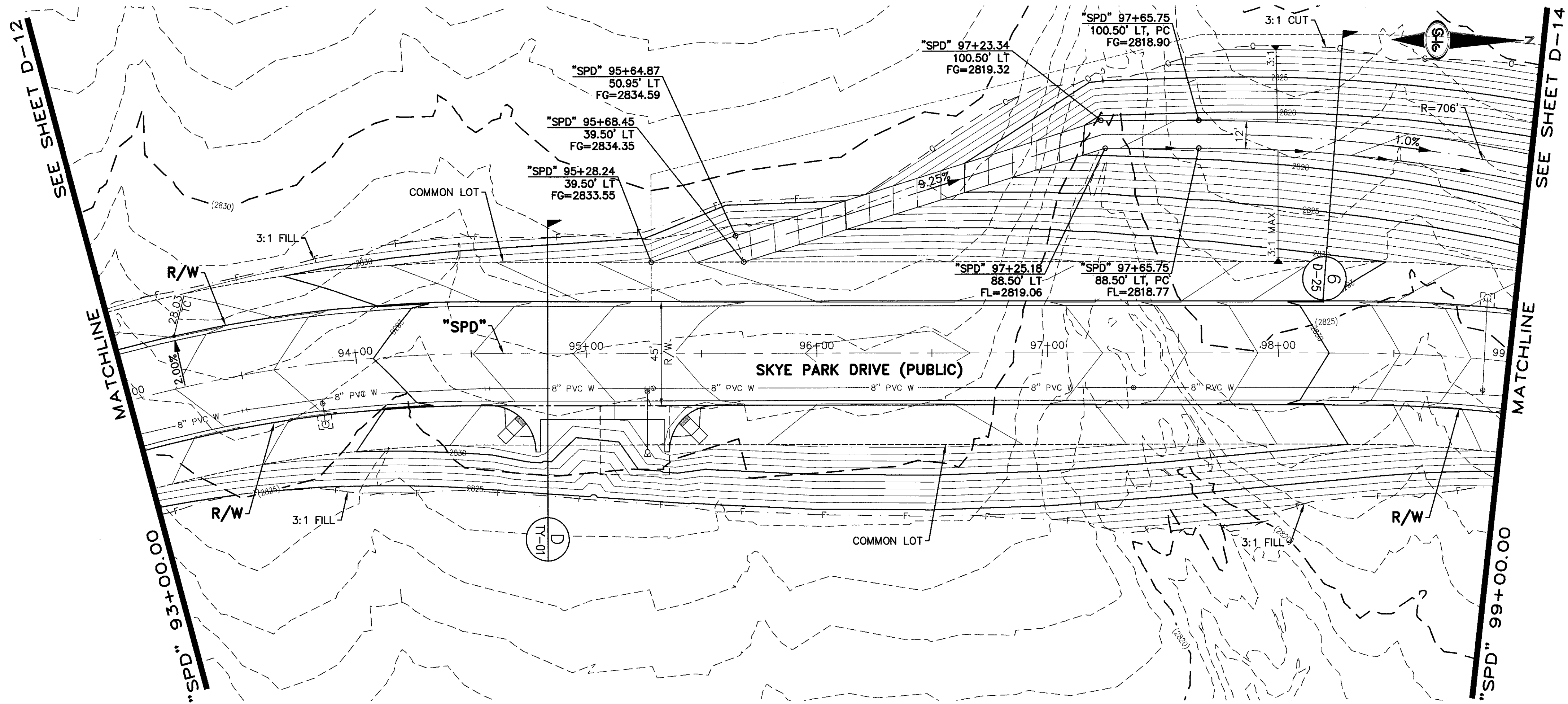
DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR

PROJECT NO.
OLY1609-000



D-12

SHEET 16 OF 31



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LEGEND

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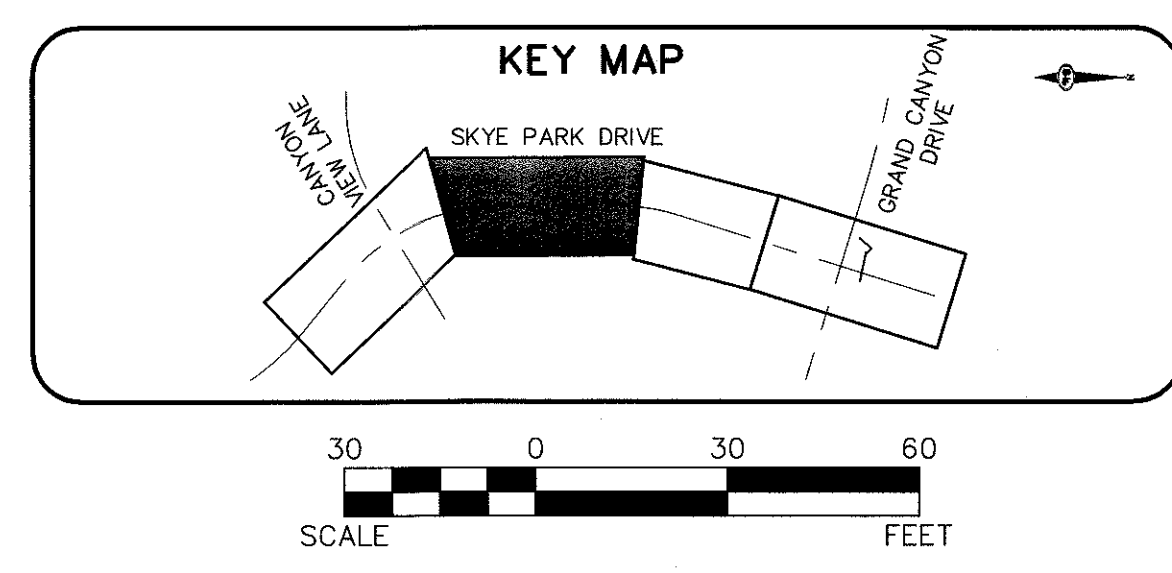
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SLATER HANIFAN GROUP

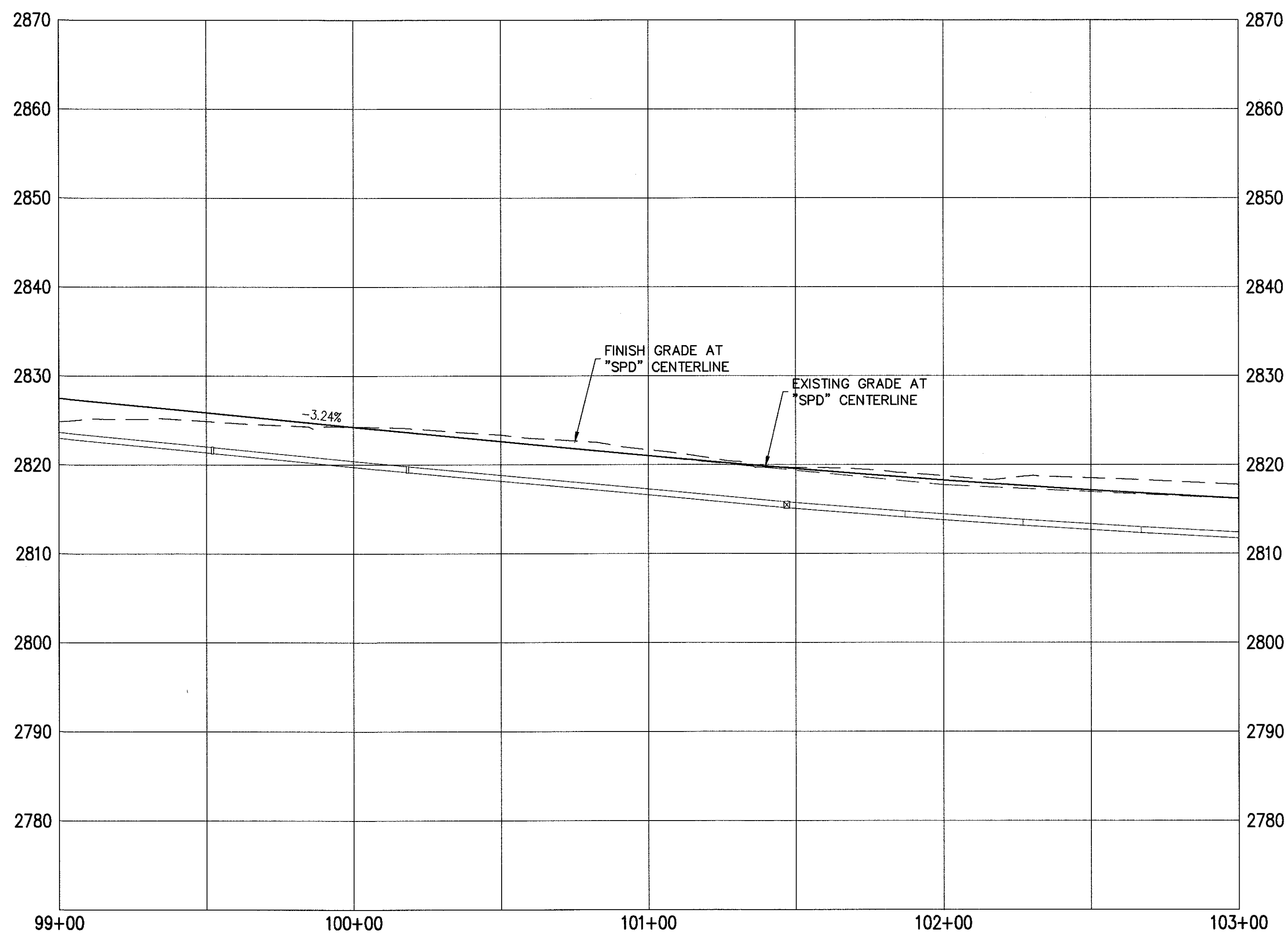
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DATE: 4/5/18
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OLY1609-000

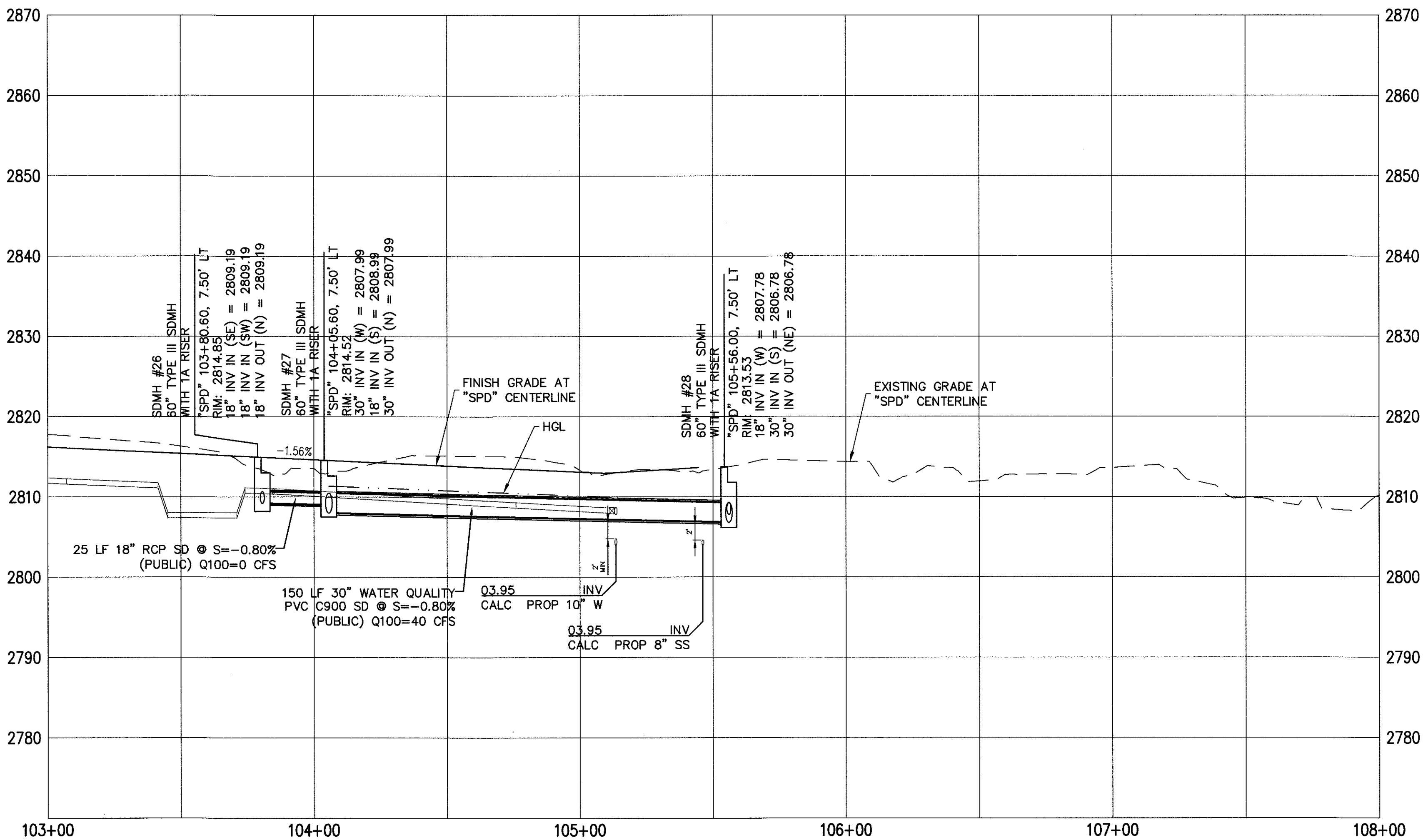
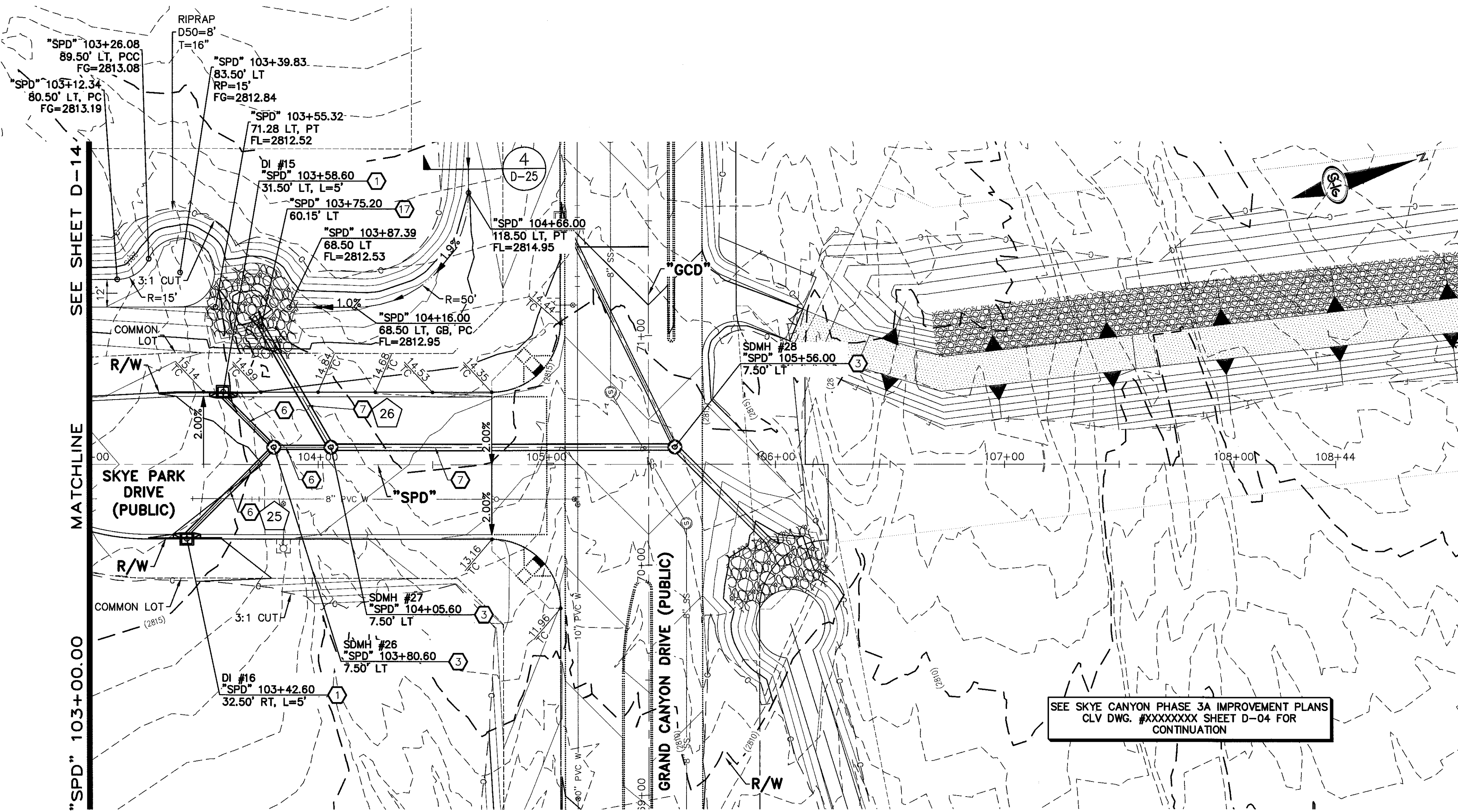
D-13
SHEET 17 OF 31



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

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811

OR
1-800-227-2600



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LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

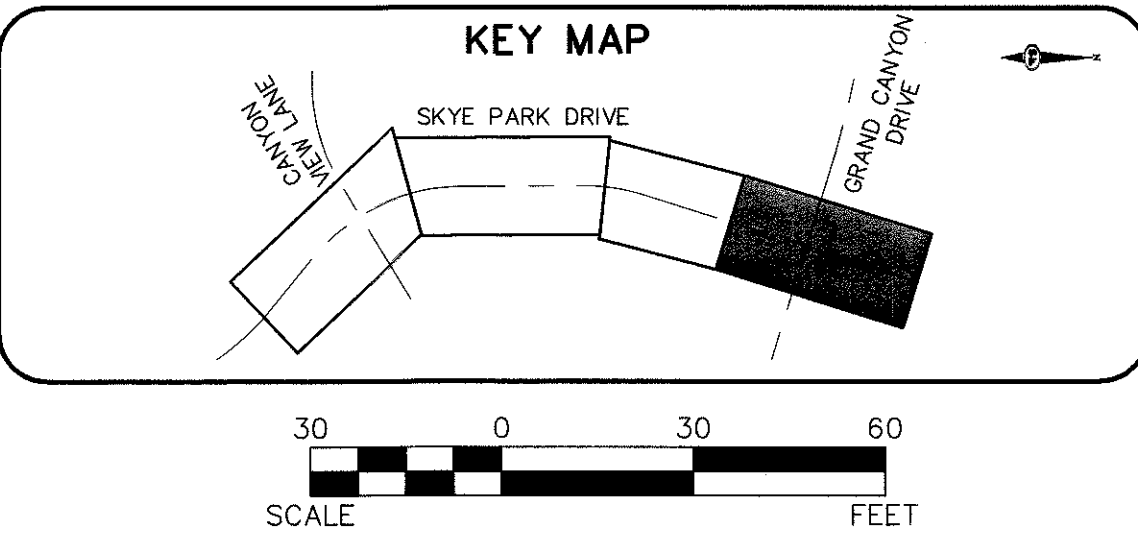
FLOOD ZONE

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735E, DATED SEPTEMBER 27, 2002

NOTE:

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.



SLATER HANIFAN GROUP

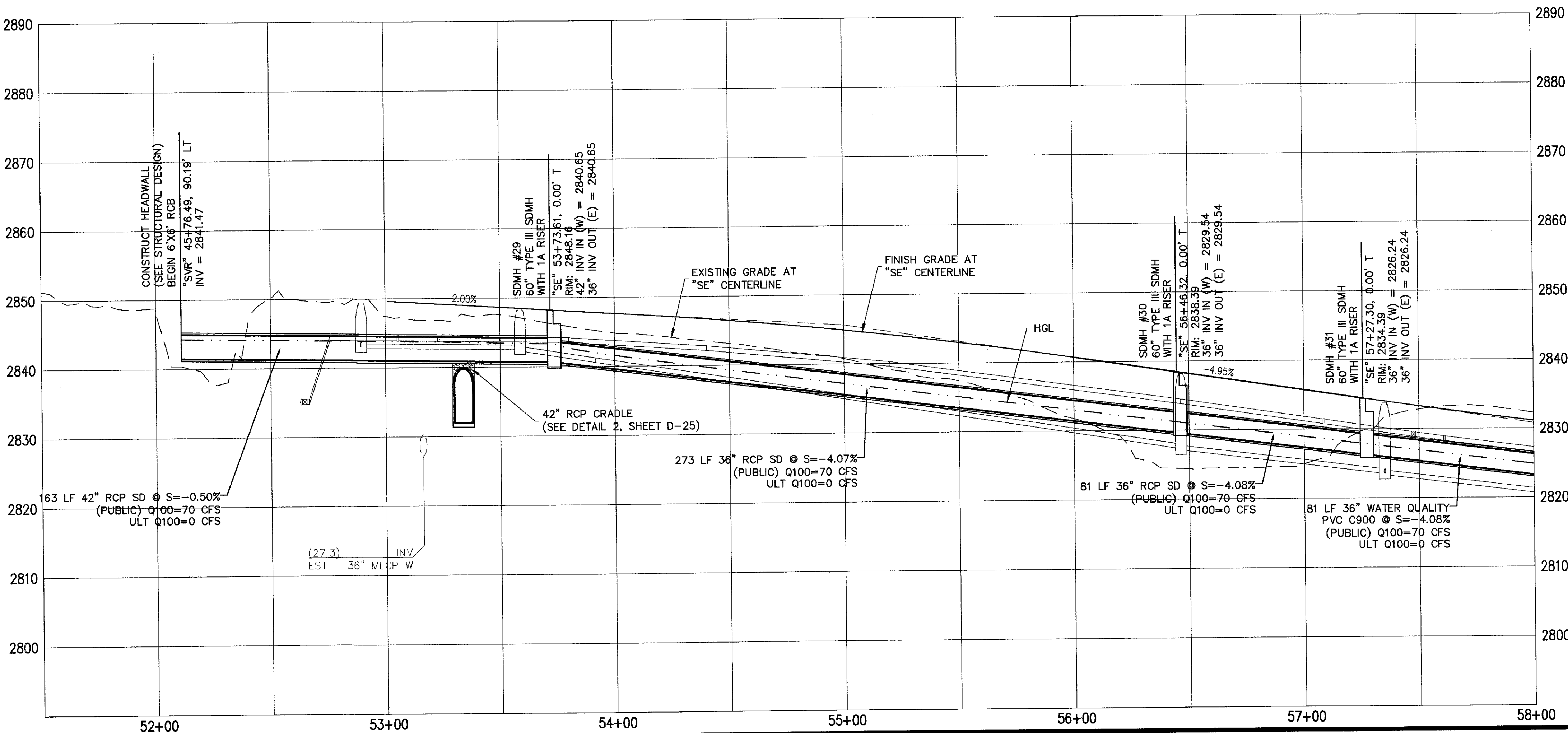
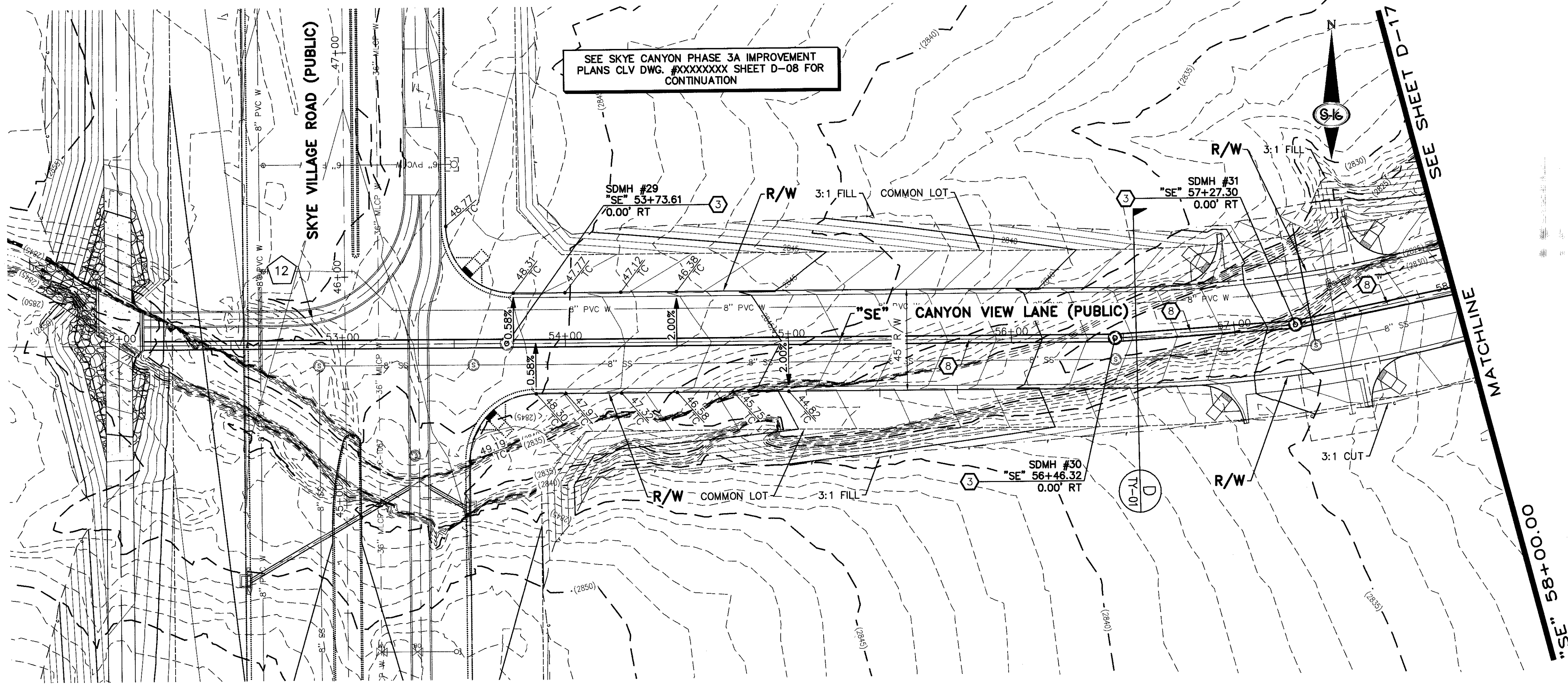
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3A
SKYE PARK DRIVE
STORM DRAIN PLAN AND PROFILE - "SPD" 103+00.00 TO "SPD" 108+44.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.: OLY1609-000

D-15
SHEET 19 OF 31



STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
2. CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
3. CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
4. CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
5. CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
6. INSTALL 18" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
7. INSTALL 30" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
8. INSTALL 36" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
9. INSTALL 42" RCP (USDCCA STD. DWG. NO. 503.2)
10. INSTALL 60" RCP (USDCCA STD. DWG. NO. 503.2)
11. INSTALL 72" RCP (USDCCA STD. DWG. NO. 503.2)
12. CONSTRUCT 48" TYPE II MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
13. CONSTRUCT 6' X 6' RCB (NDOT STD. PLAN B-20.1.2)
14. CONSTRUCT 7' X 5' RCB (NDOT STD. PLAN B-20.1.2)
15. CONSTRUCT 8' X 7' RCA (PER STRUCTURAL DETAIL)
16. CONSTRUCT 10' X 9' RCA (PER STRUCTURAL DETAIL)
17. INSTALL 30" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
18. INSTALL 36" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
19. INSTALL 42" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
20. CONSTRUCT BRICK AND MORTAR PLUG (SEE DETAIL 3, DRAWING D-25)
21. CONSTRUCT INTERIM PLUG PER STRUCTURAL DETAIL
22. INSTALL 54" RCP (USDCCA STD. DWG. NO. 503.2)
23. 12" WIDE X 6" THICK TYPE II MAINTENANCE ACCESS PATH
24. CONSTRUCT CULVERT HEADWALL (NDOT STD. PLAN R-2.5.2 & R-2.5.2.1)
25. CONSTRUCT CONCRETE COLLAR (SEE DETAIL 1, DRAWING D-25)
26. INSTALL 24" RCP OR WATER QUALITY C900 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
27. INSTALL 18" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
28. CONSTRUCT DROP INLET PER STRUCTURAL DETAIL
29. CONSTRUCT HEADWALL PER STRUCTURAL DETAIL
30. INSTALL CHAIN LINK FENCE (USDCCA STD. DWG. NO. 252)
31. INSTALL CHAIN LINK GATES (USDCCA STD. DWG. NO. 253)
32. CONSTRUCT CONCRETE PAD WITH 3' CUTOFF WALL (SEE DETAIL 14, DRAWING D-25)
33. CONSTRUCT 3' CUTOFF WALL (SEE DETAIL 15, DRAWING D-25)

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

1. STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

FLOOD ZONE

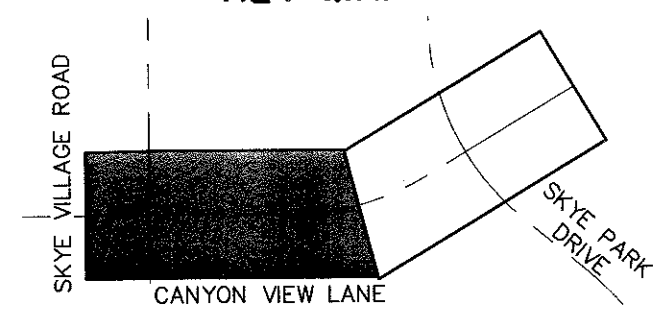
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL:32003C1735E, DATED SEPTEMBER 27, 2002.

NOTE:

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

KEY MAP



SCALE 30 0 30 60 FEET



SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

**SKYE CANYON II PHASE 3A
CANYON VIEW LANE**

STORM DRAIN PLAN AND PROFILE - "SE" 51+50.00 TO "SE" 58+00.00

DATE: 4/5/18

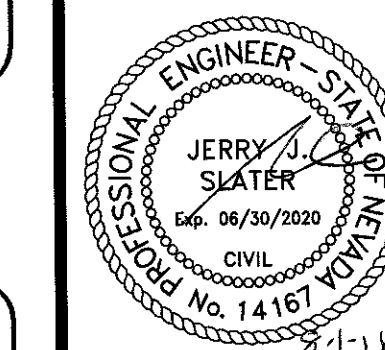
DRAFTER: AM

DESIGNER: DAM

CHECKED: JSR

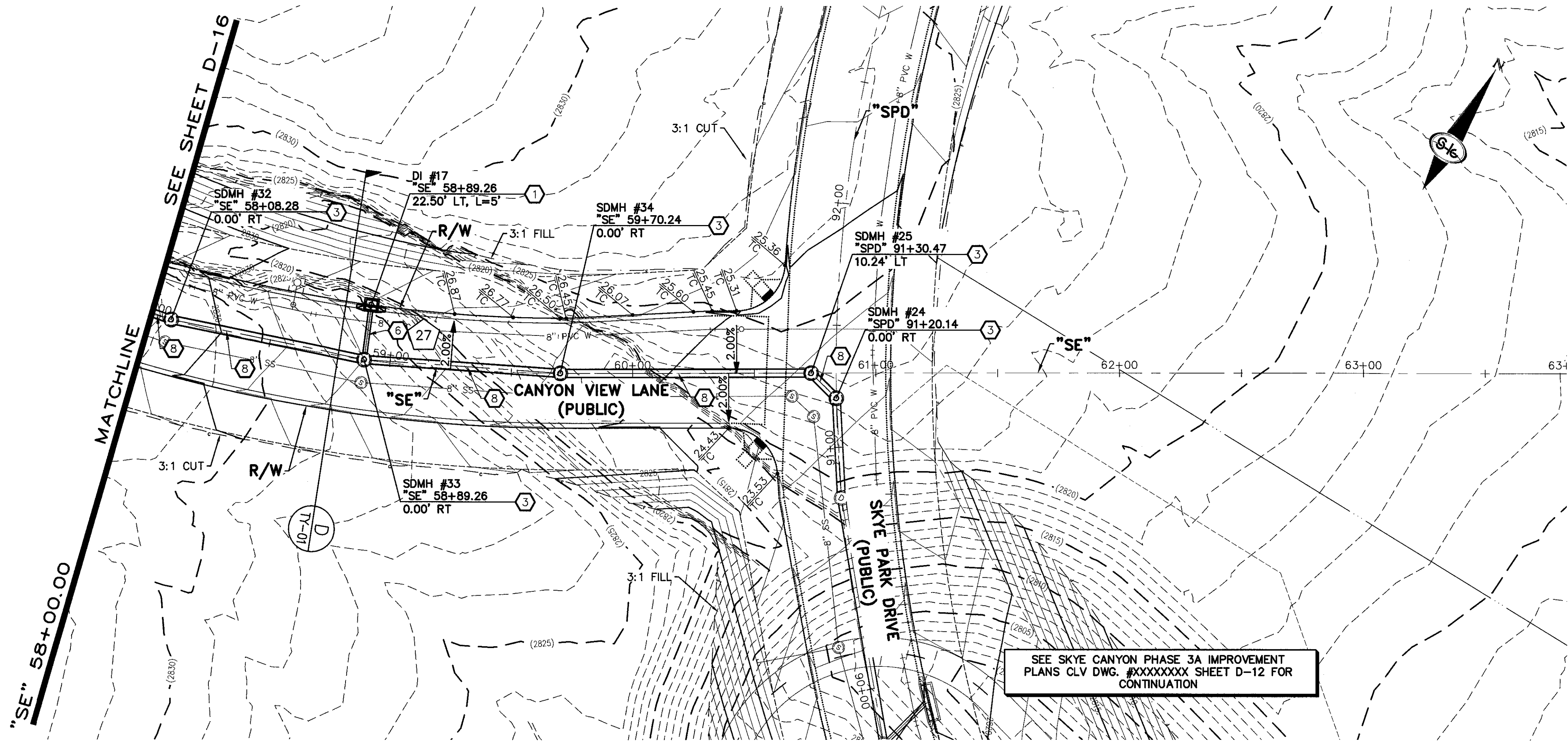
PROJECT NO.

OLY1609-000

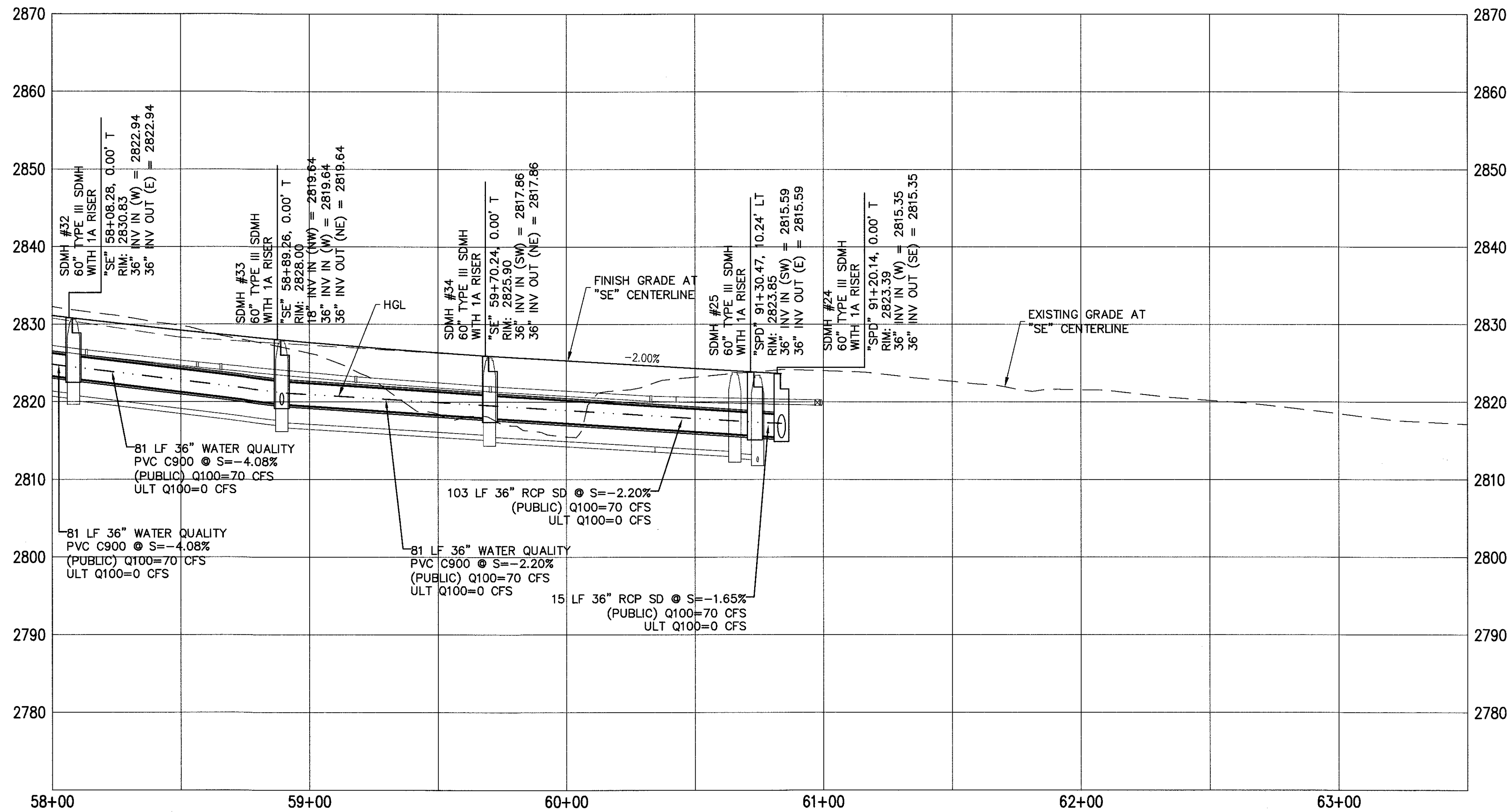


D-16

SHEET 20 OF 31



SEE SKYE CANYON PHASE 3A IMPROVEMENT
PLANS CLV DWG. #XXXXXXX SHEET D-12 FOR
CONTINUATION



STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
2. CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
3. CONSTRUCT 60" TYPE III MANHOLE WITH TYPE IA RISER (USDCCA STD. DWG. NO. 404.1 AND 406.1)
4. CONSTRUCT NDOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
5. CONSTRUCT RCA ACCESS MANHOLE PER STRUCTURAL DETAIL
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32. CONSTRUCT CONCRETE PAD WITH 3' CUTOFF WALL (SEE DETAIL 14, DRAWING D-25)
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NOTES

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DROP INLET NOTE

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BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB,
OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

- 1 STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

I CERTIFY THAT THIS GRADING PLAN IS IN
CONFORMANCE WITH THE APPROVED TECHNICAL
DRAINAGE STUDY DS-XXXX ON FILE AT THE CITY
OF LAS VEGAS FOR THE SUBJECT PROJECT

JERRY SLATER, P.E. 14167 DATE

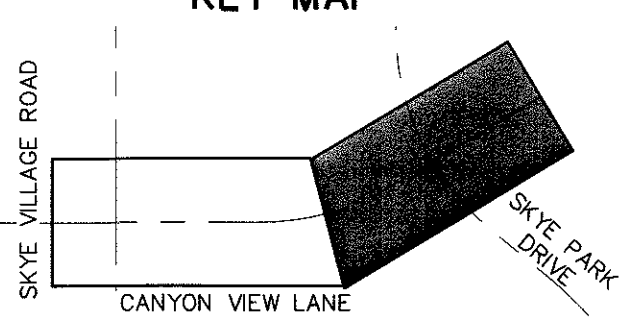
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA
DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR
FLOOD PLAIN) ON THE FLOOD INSURANCE RATE
MAP (FIRM) PANEL:32003C1735E, DATED
SEPTEMBER 27, 2002

NOTE:

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KEY MAP



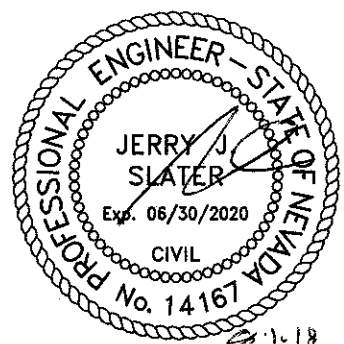
**SLATER
HANIFAN
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NINETY-FIVE MANAGEMENT LLC

**SKYE CANYON II PHASE 3A
CANYON VIEW LANE**

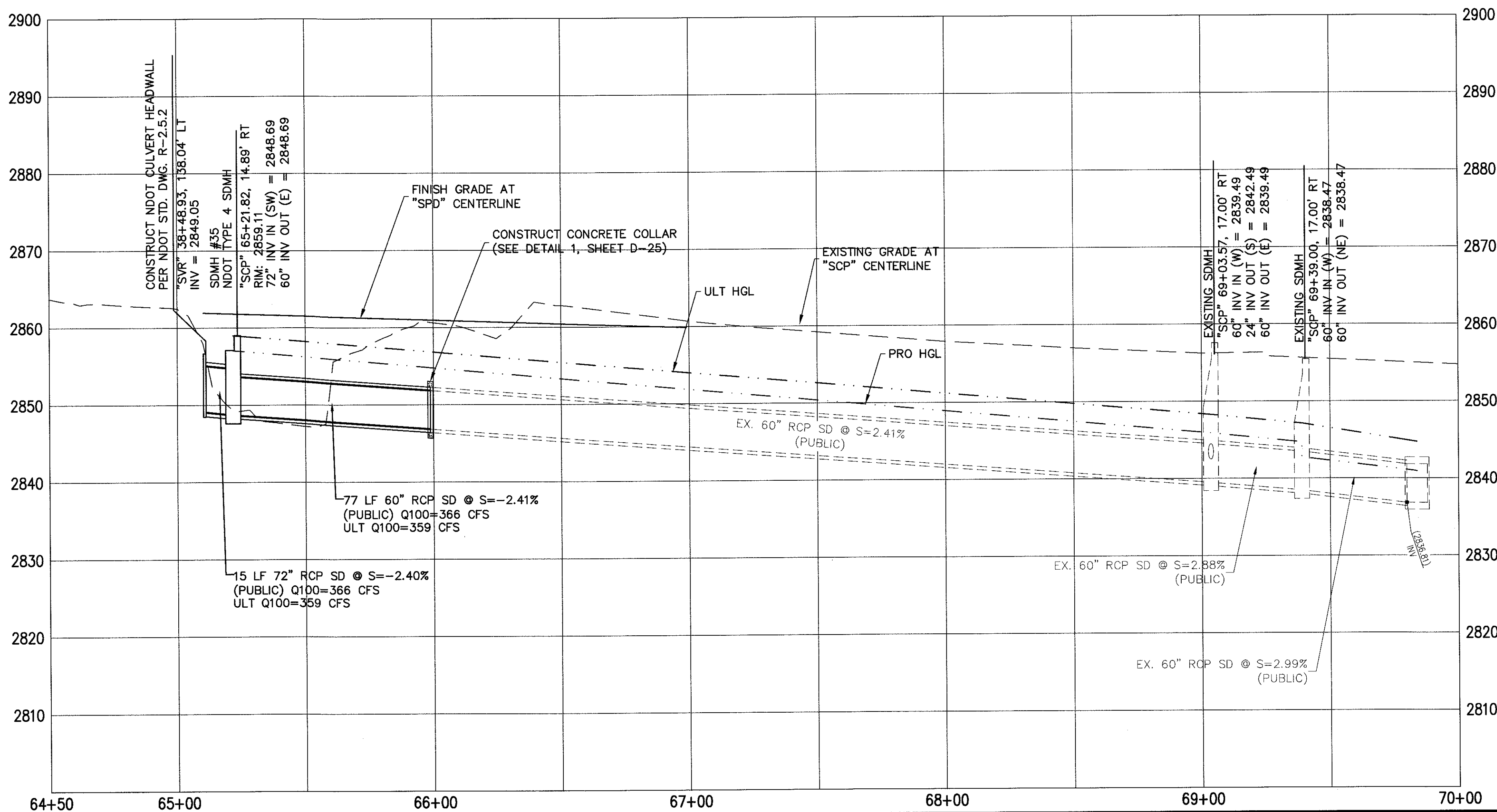
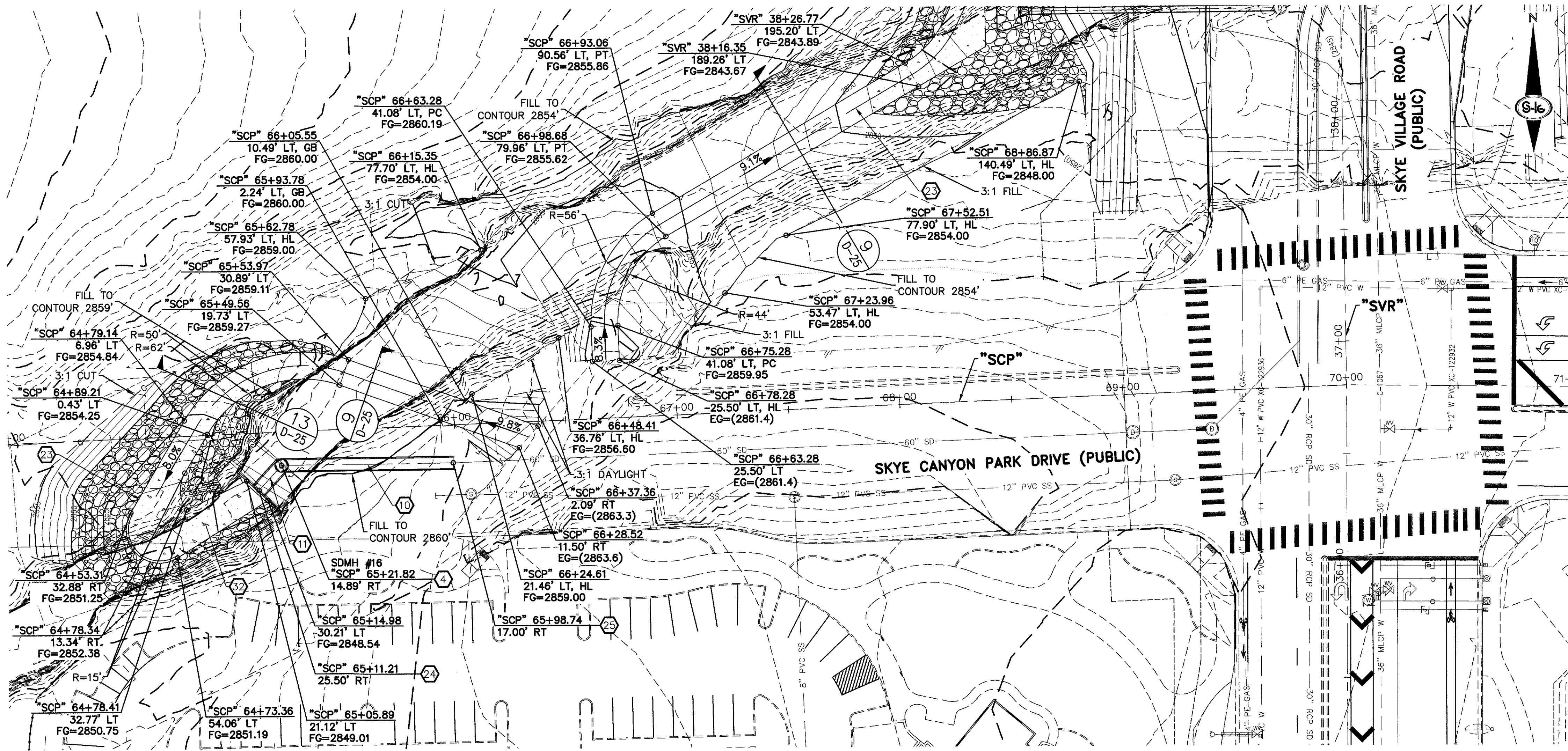
STORM DRAIN PLAN AND PROFILE - "SE" 58+00.00 TO "SE" 63+00.00

DATE: 4/5/18
DRAFTER: AM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.
OLY1609-000



D-17

SHEET 21 OF 31



STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
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DROP INLET NOTE

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LEGEND

1. STORM DRAIN LATERAL # (SEE SHEETS D-19 THRU D-24)

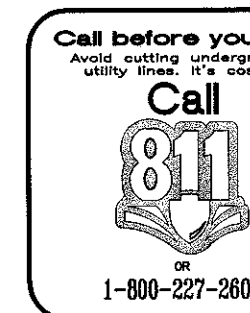
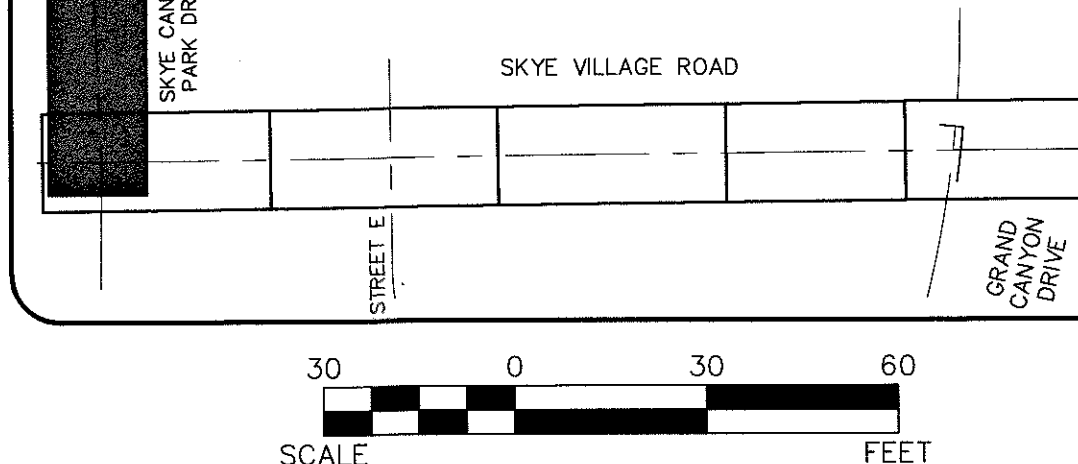
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735C, DATED SEPTEMBER 27, 2002.

NOTE:

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KEY MAP



DATE: 4/5/18

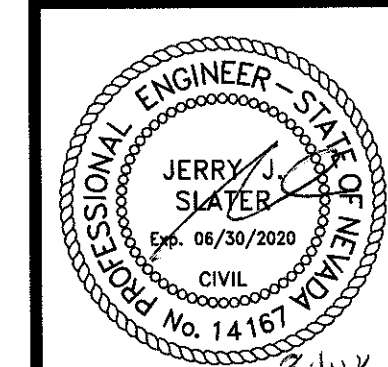
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DESIGNER: DAM

CHECKED: JSR

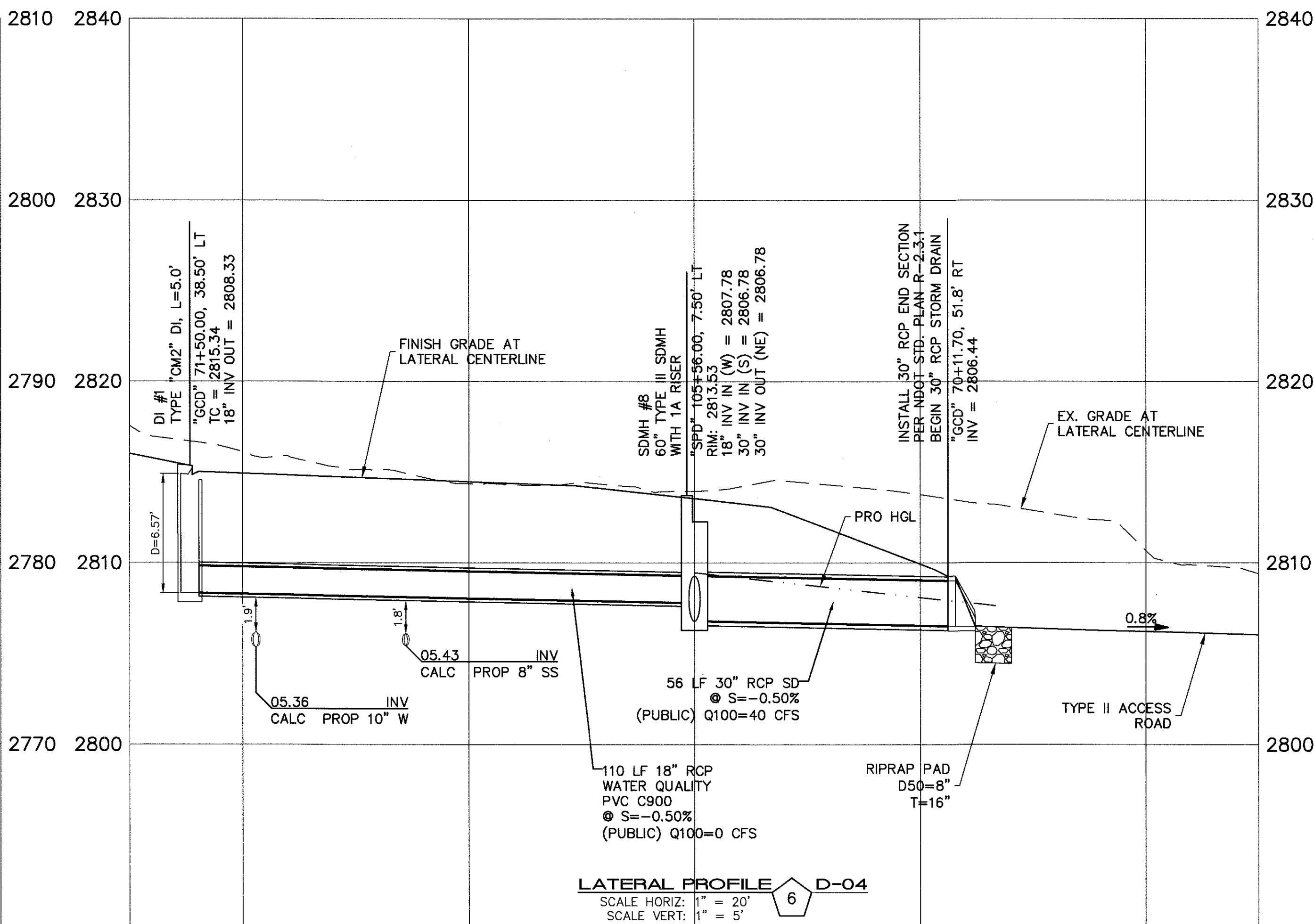
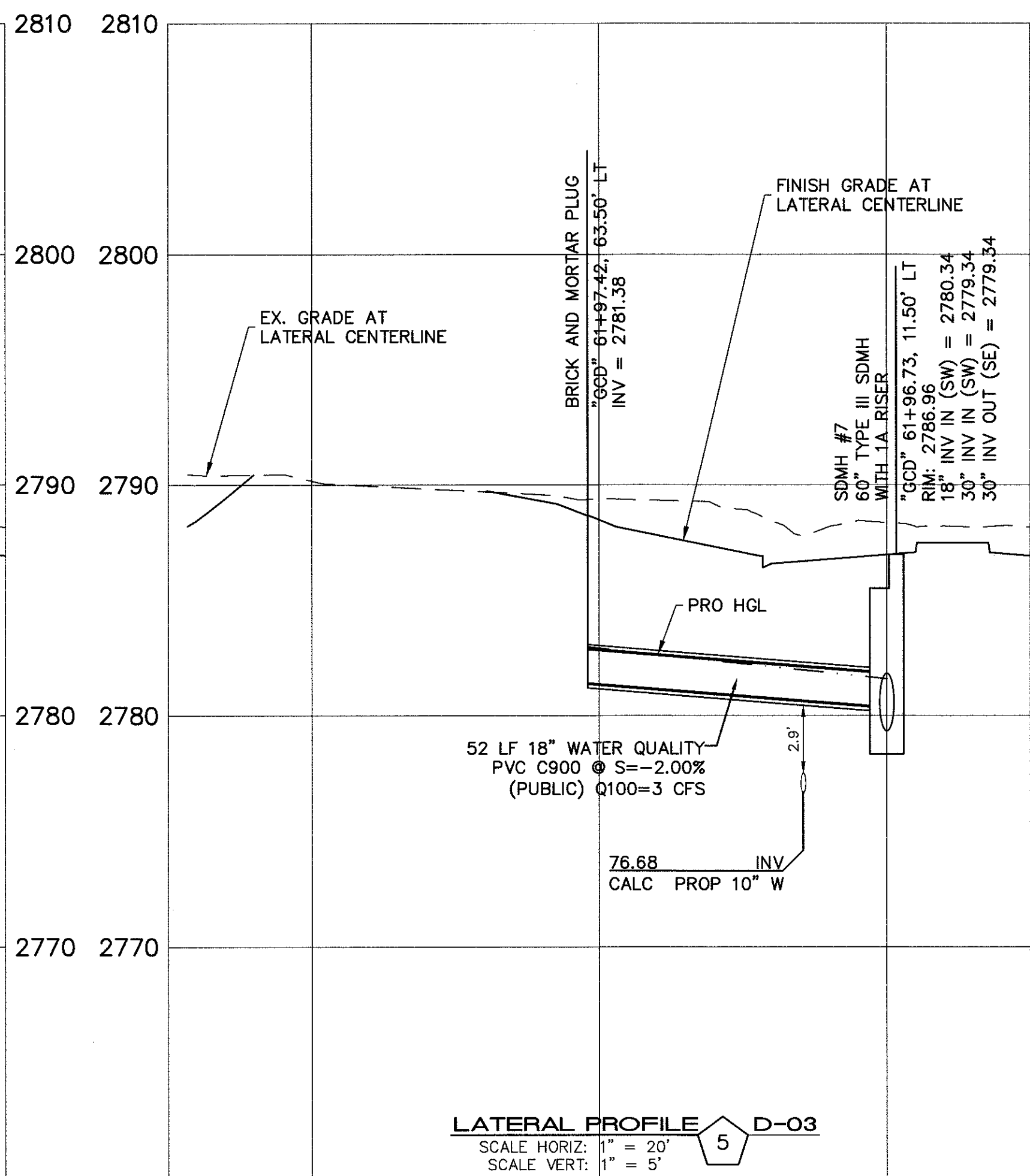
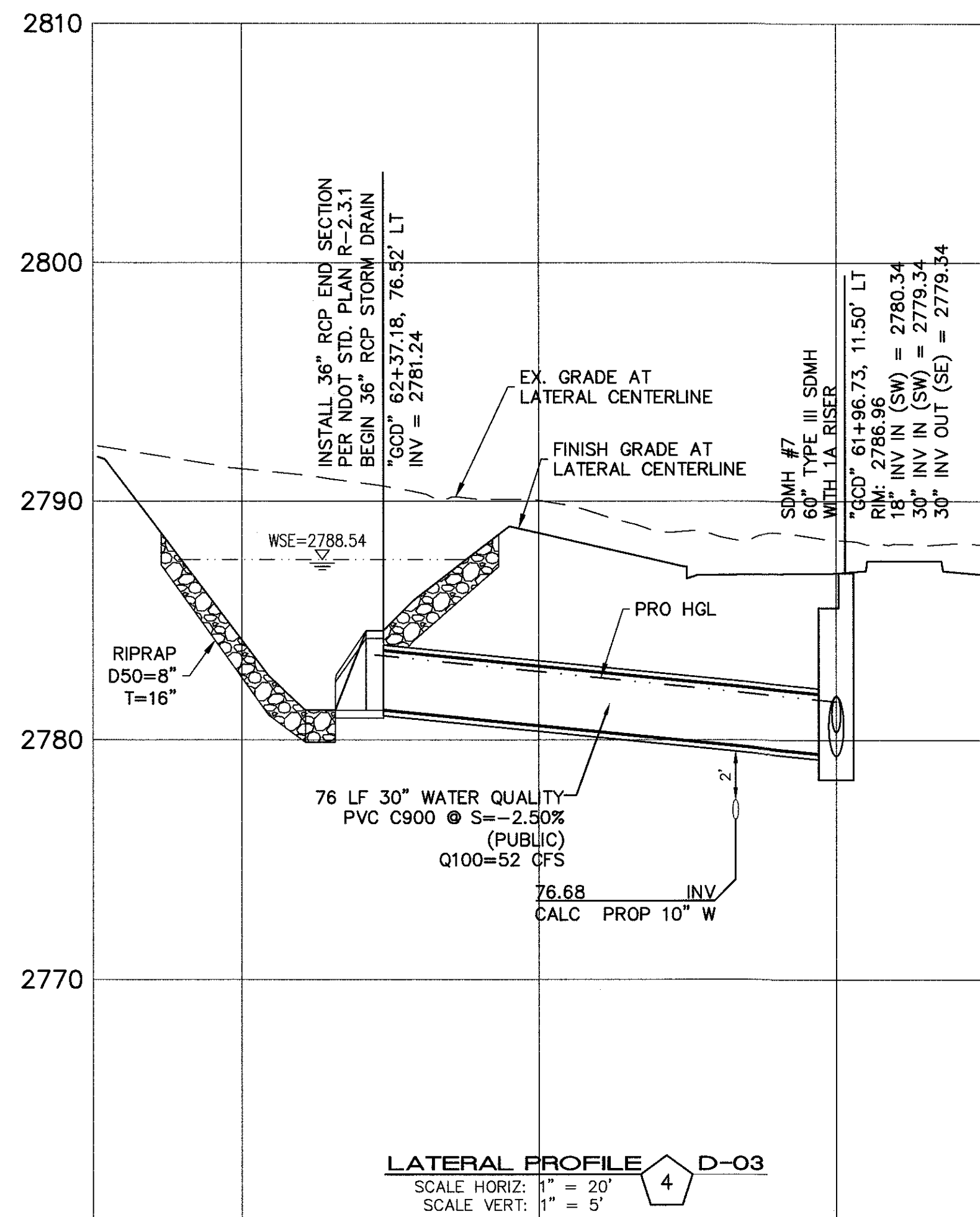
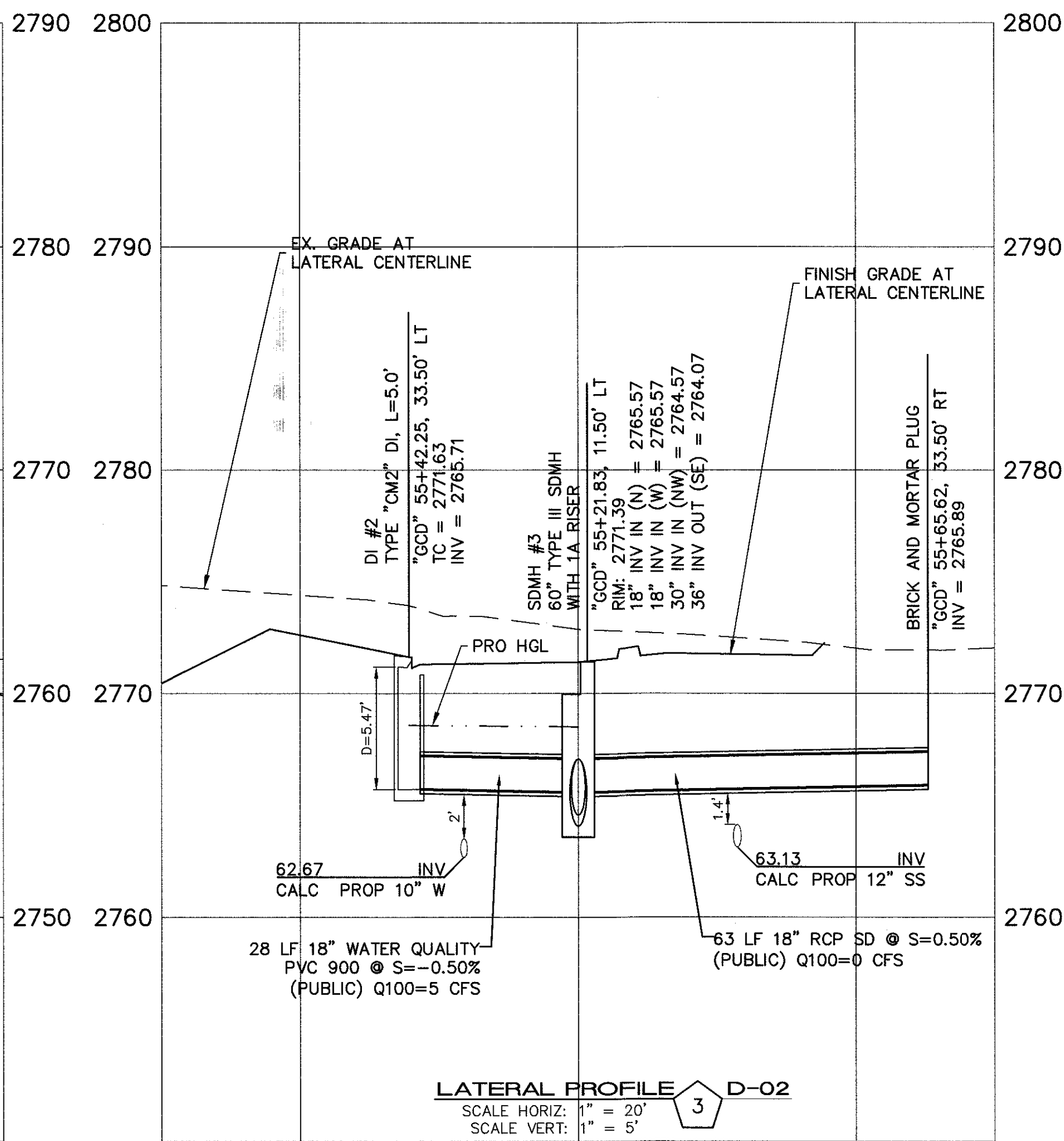
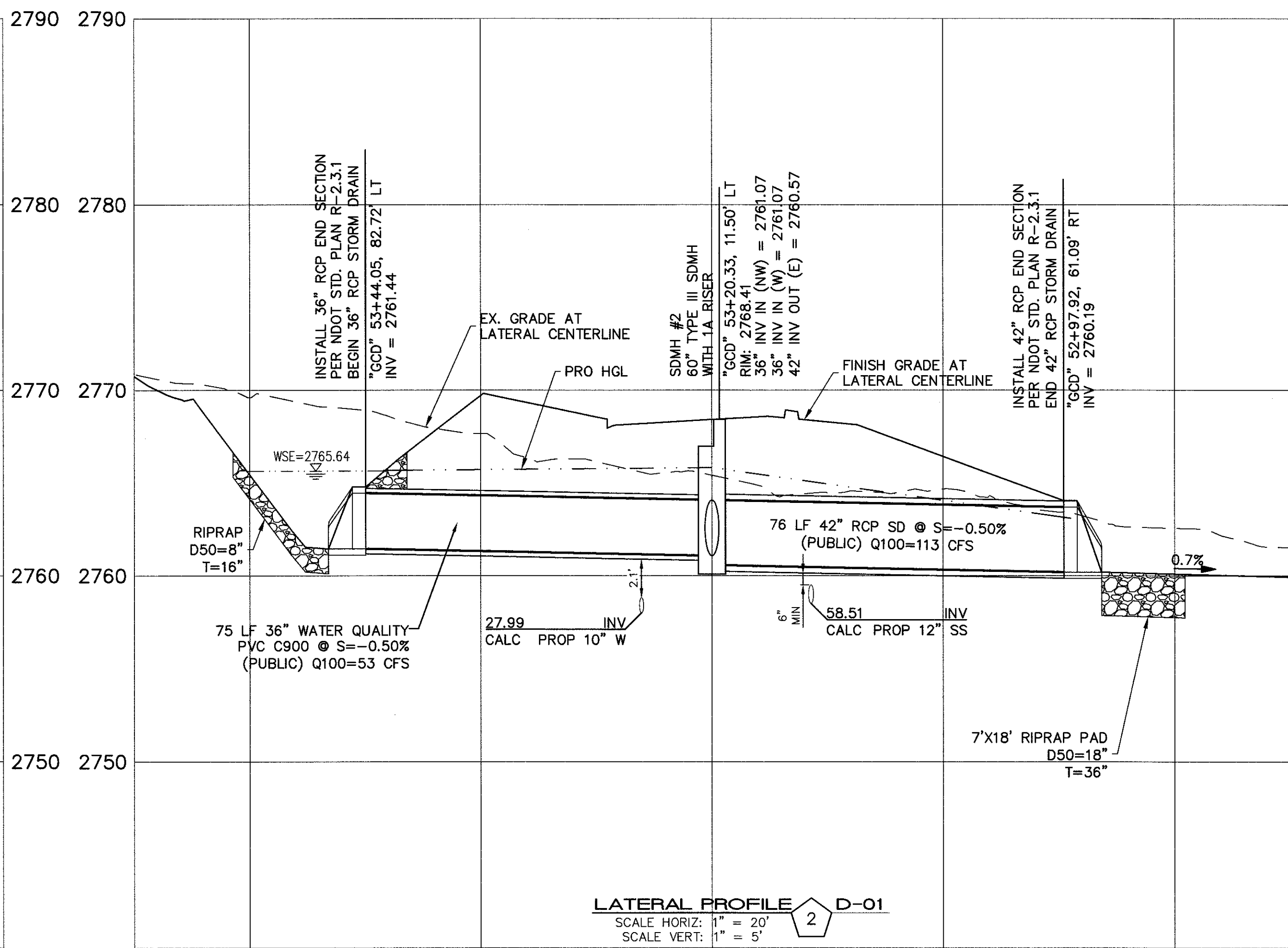
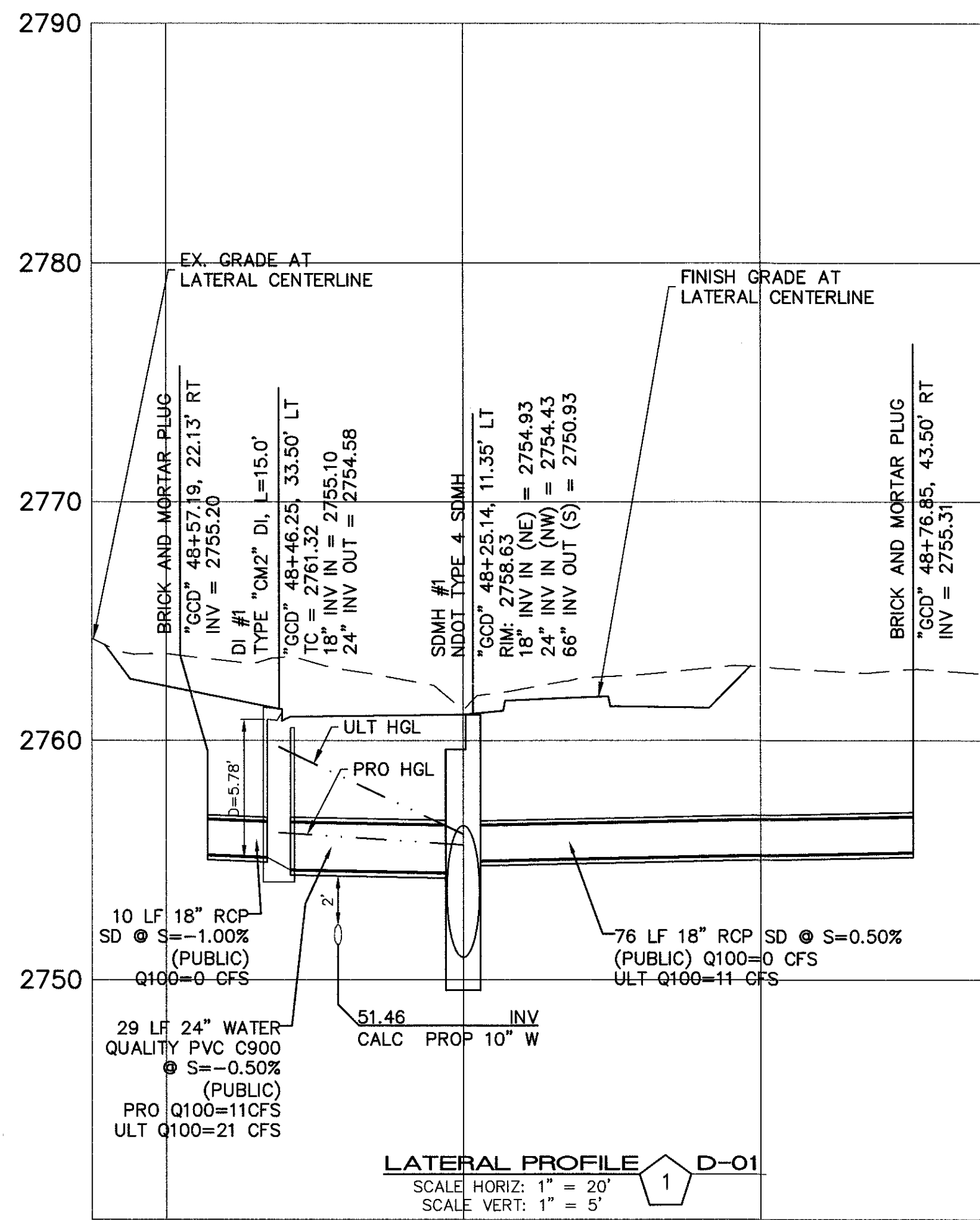
PROJECT NO.

OLY1609-000



D-18

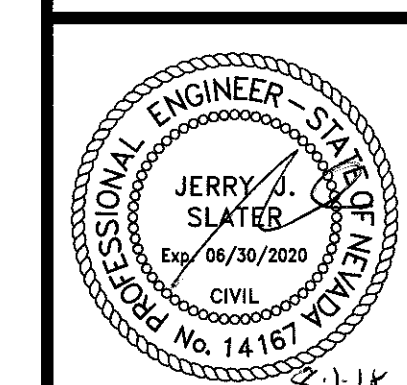
SHEET 22 OF 31

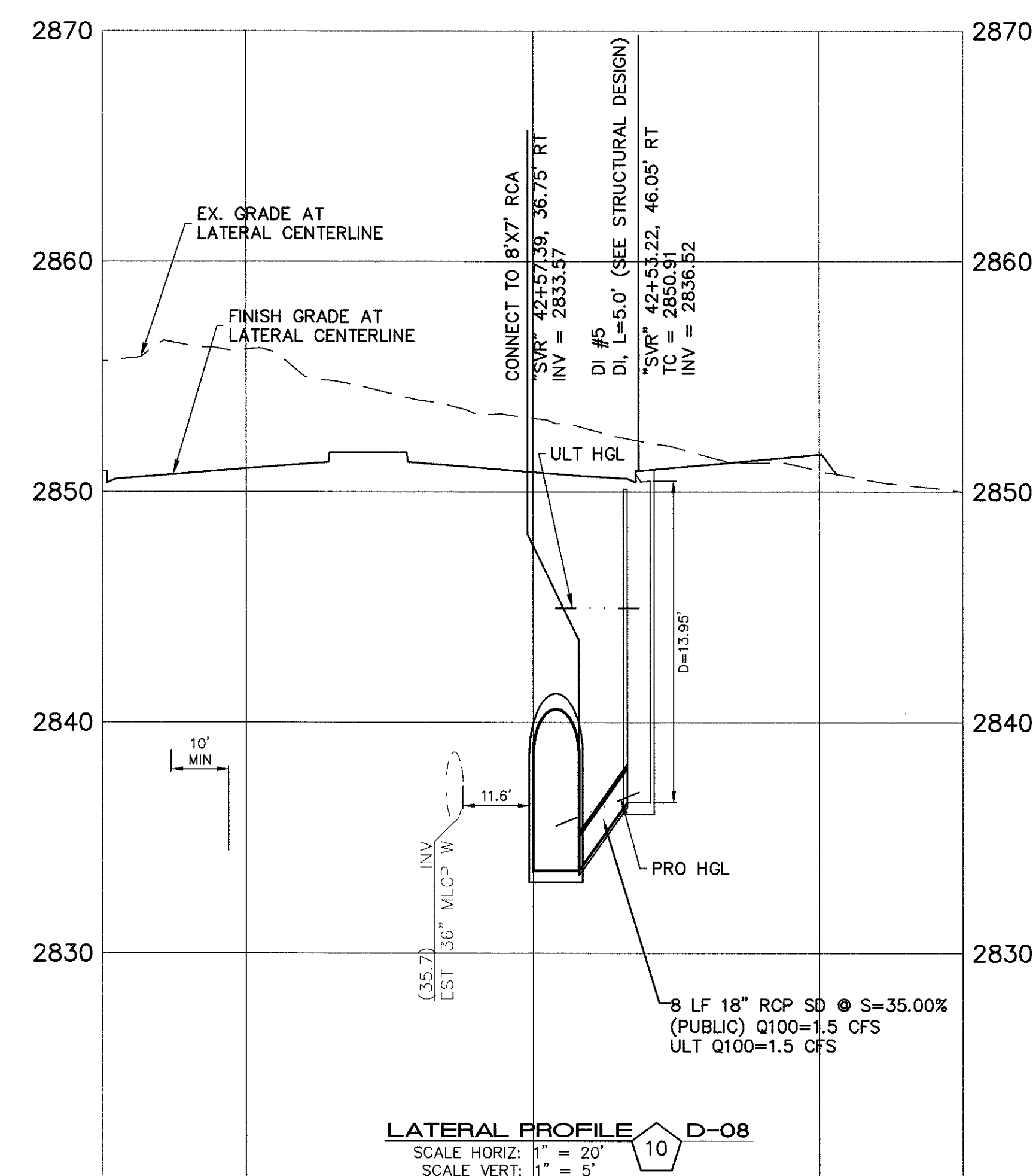
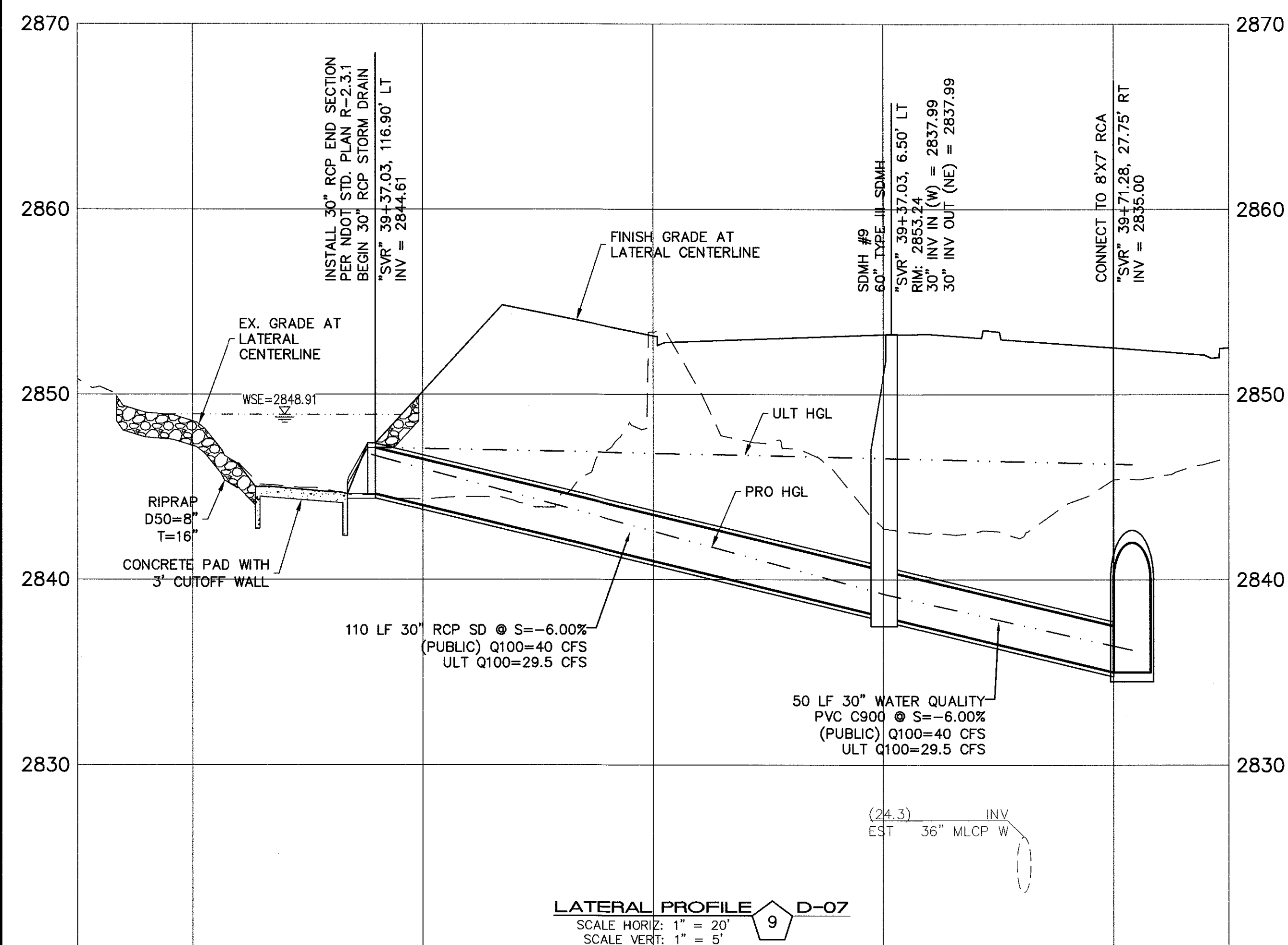
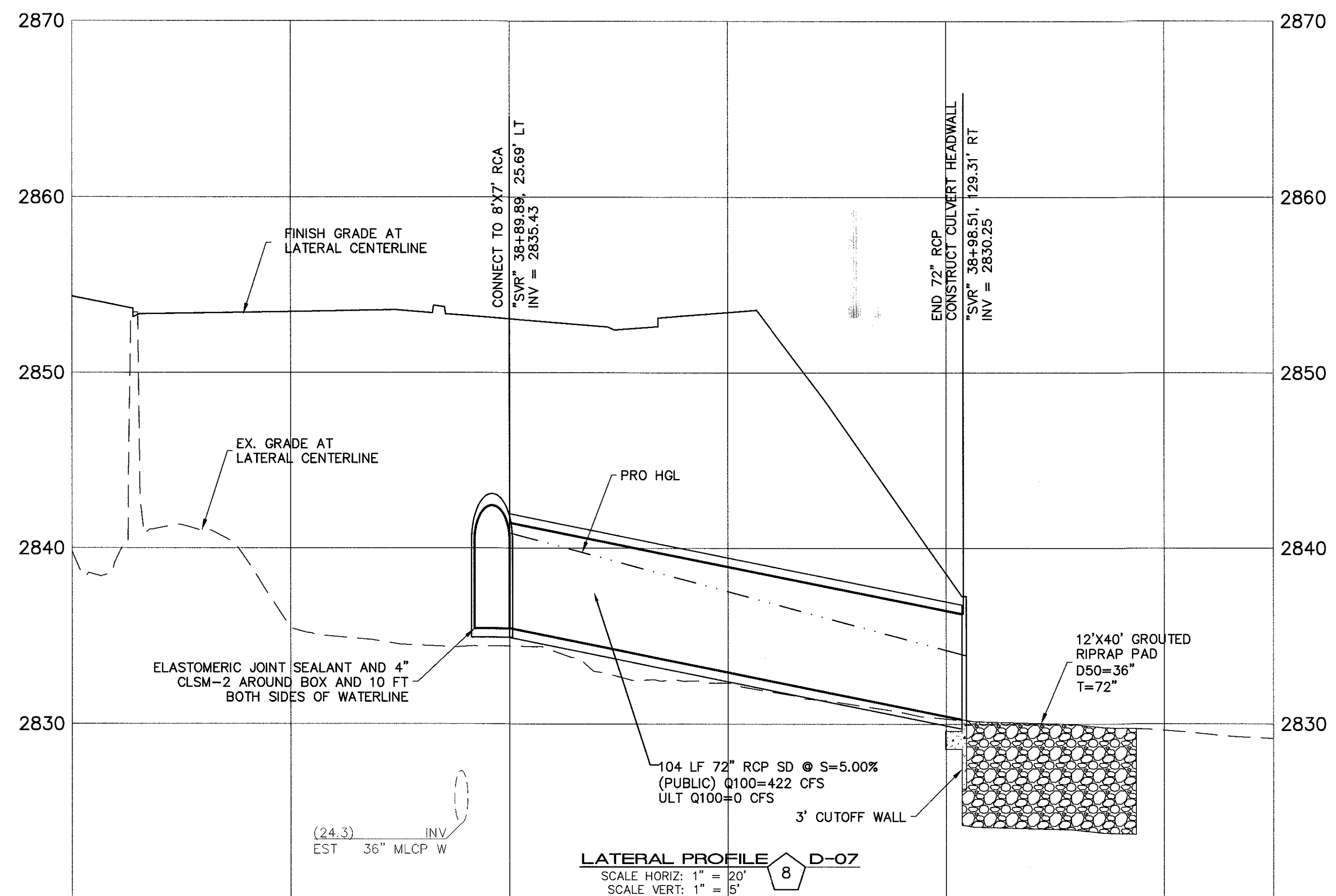
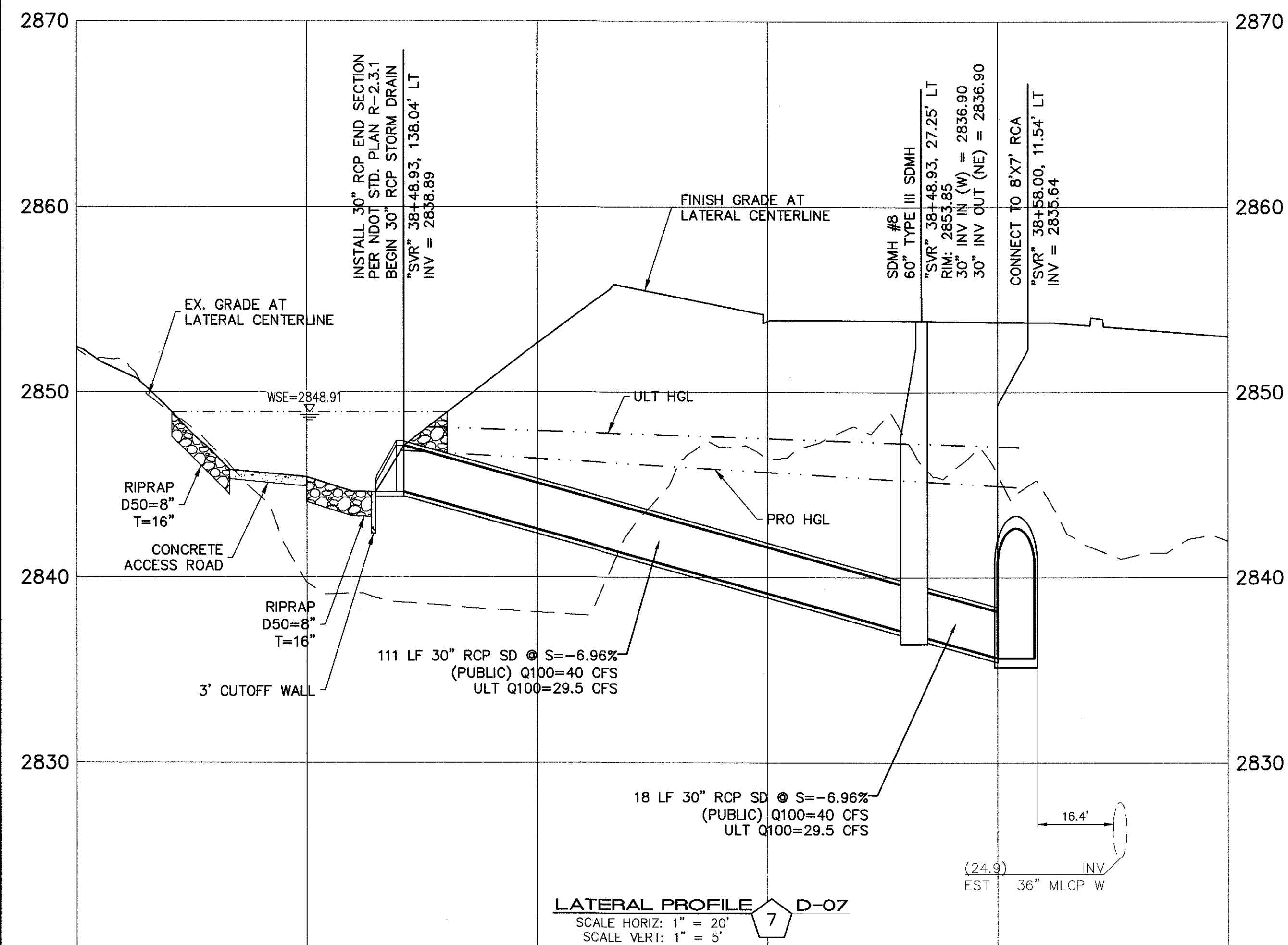


NO.	DESCRIPTION	DATE	BY	APP.

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3A
STORM DRAIN LATERAL PROFILE

DATE: 4/5/18
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.
OLY1609-000



[illegible]

NINETY-FIVE MANAGEMENT LLC

**SKYE CANYON II PHASE 3A
STORM DRAIN LATERAL PROFILE**

DATE: 4/5/18

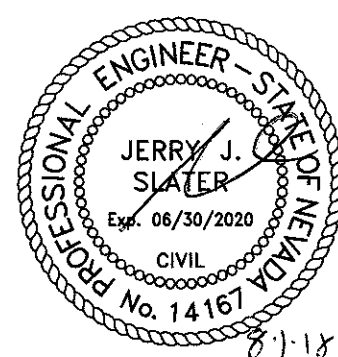
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DESIGNER: DAM

CHECKED: JSR

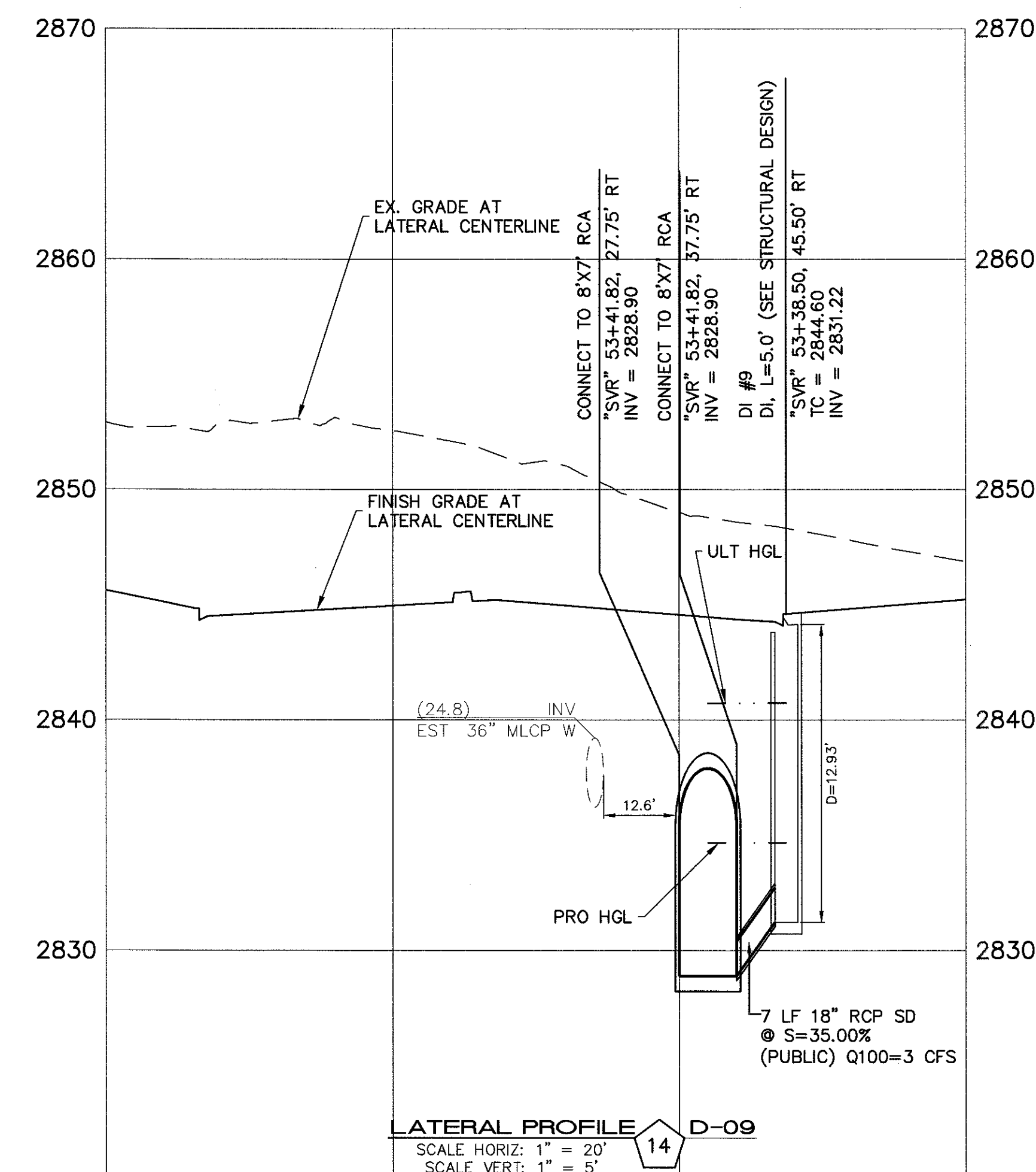
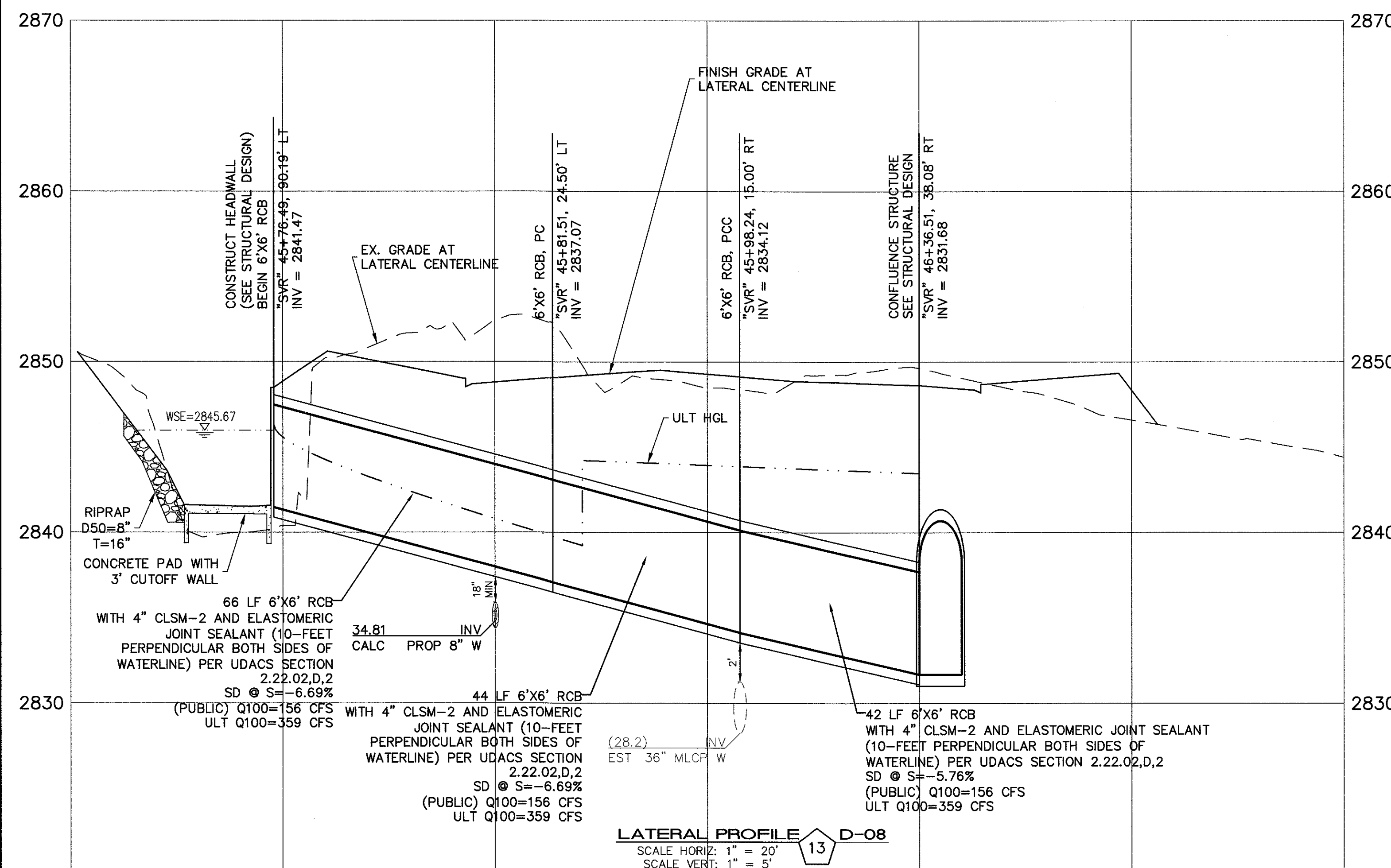
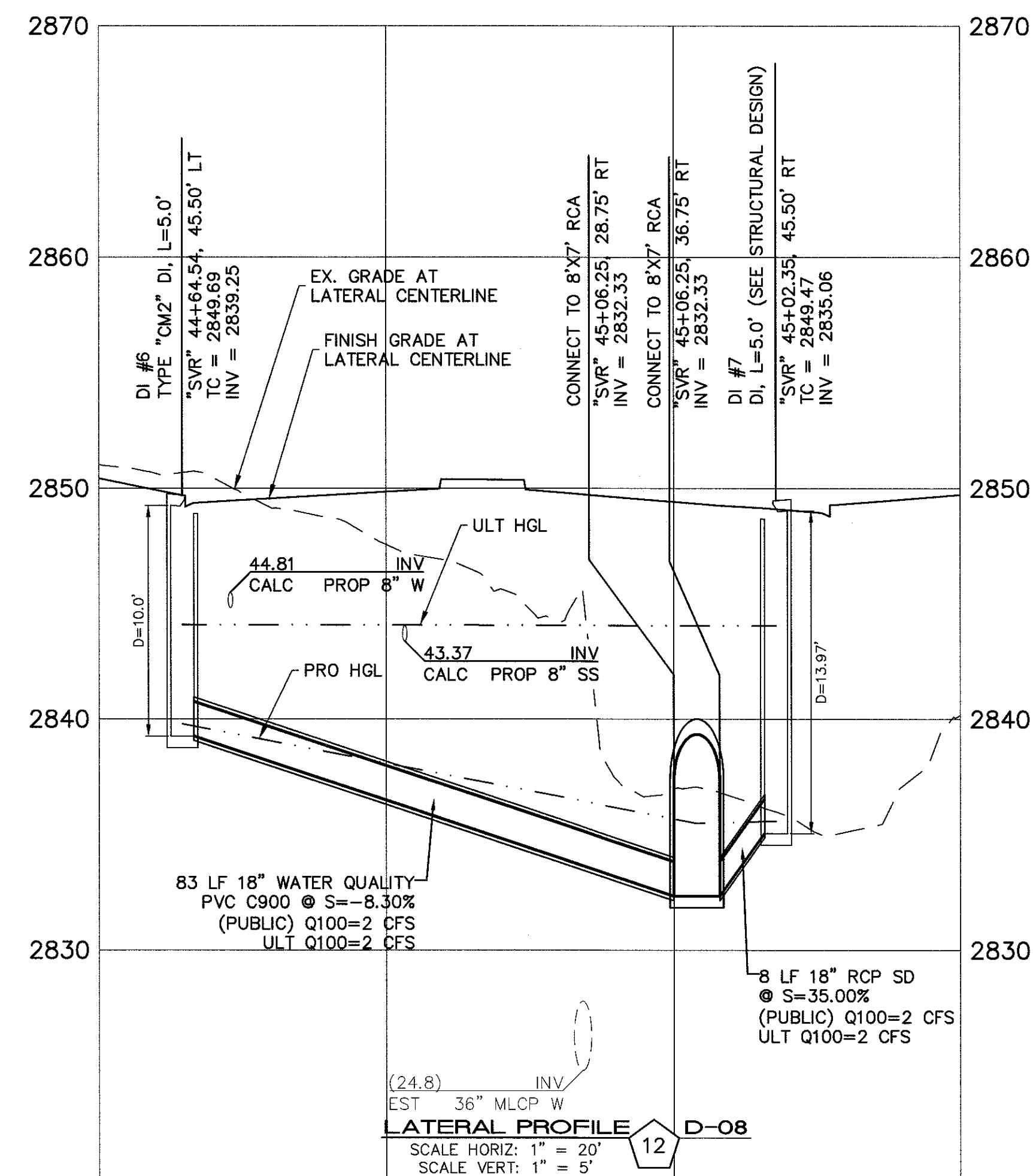
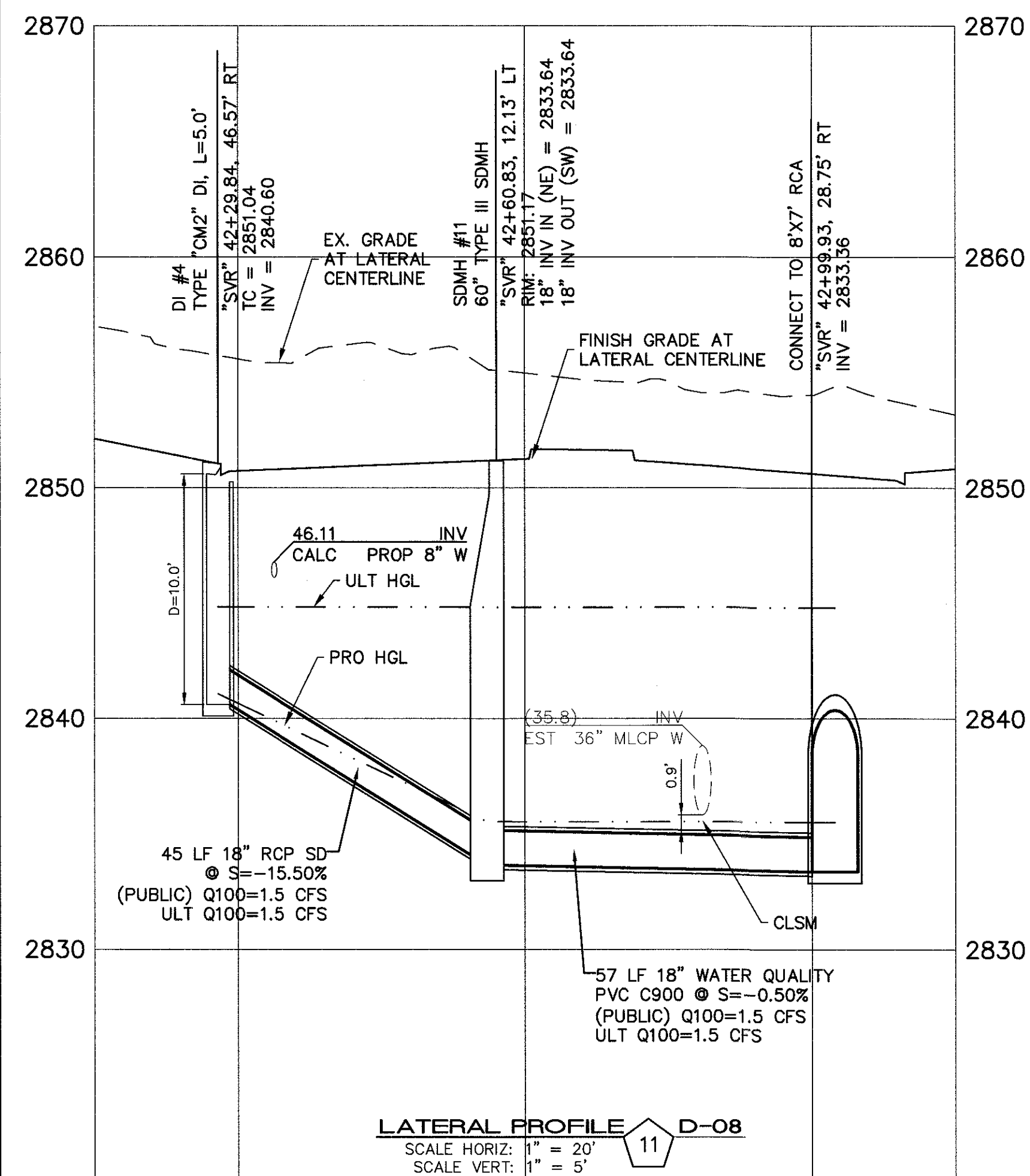
PROJECT NO.

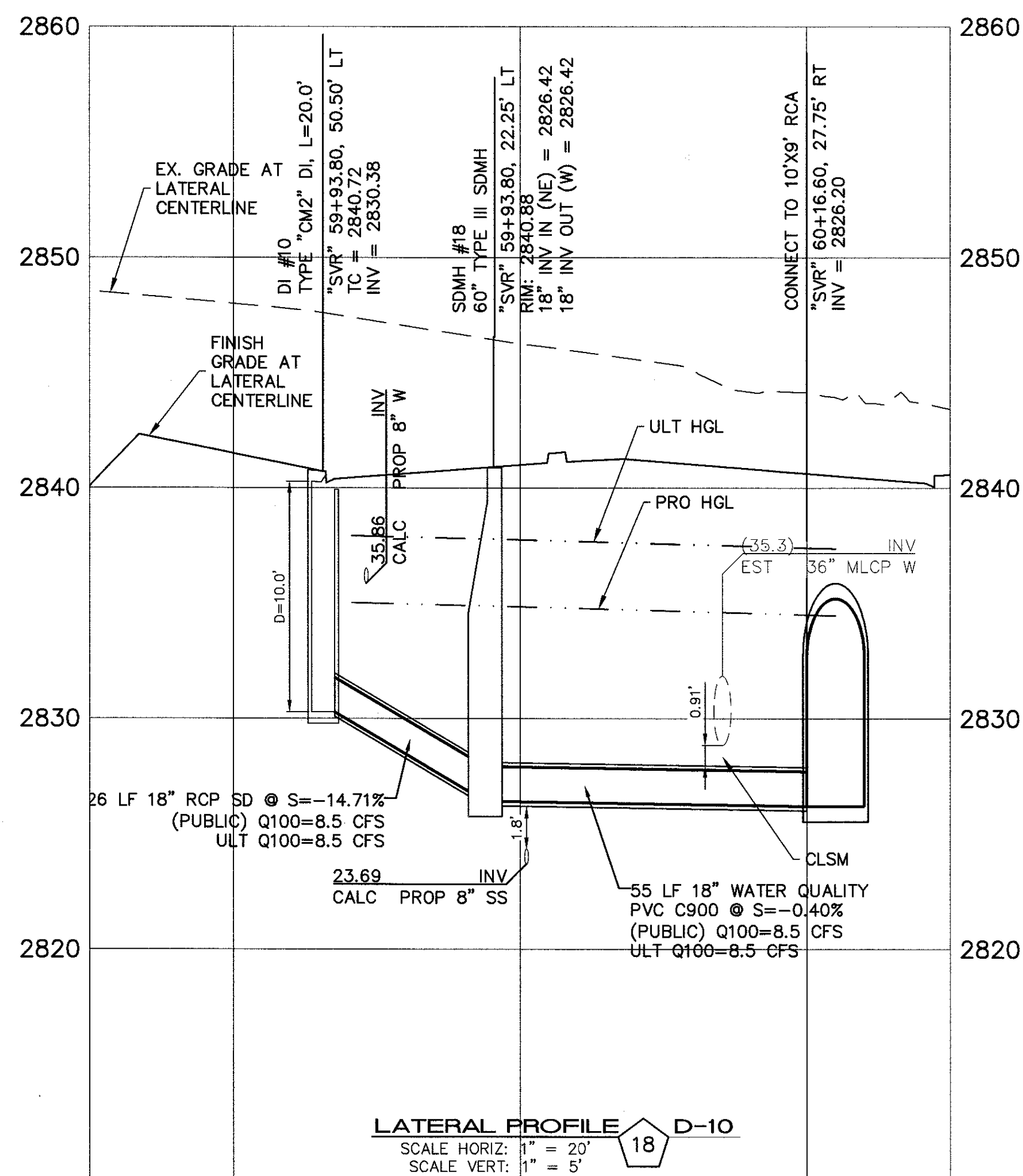
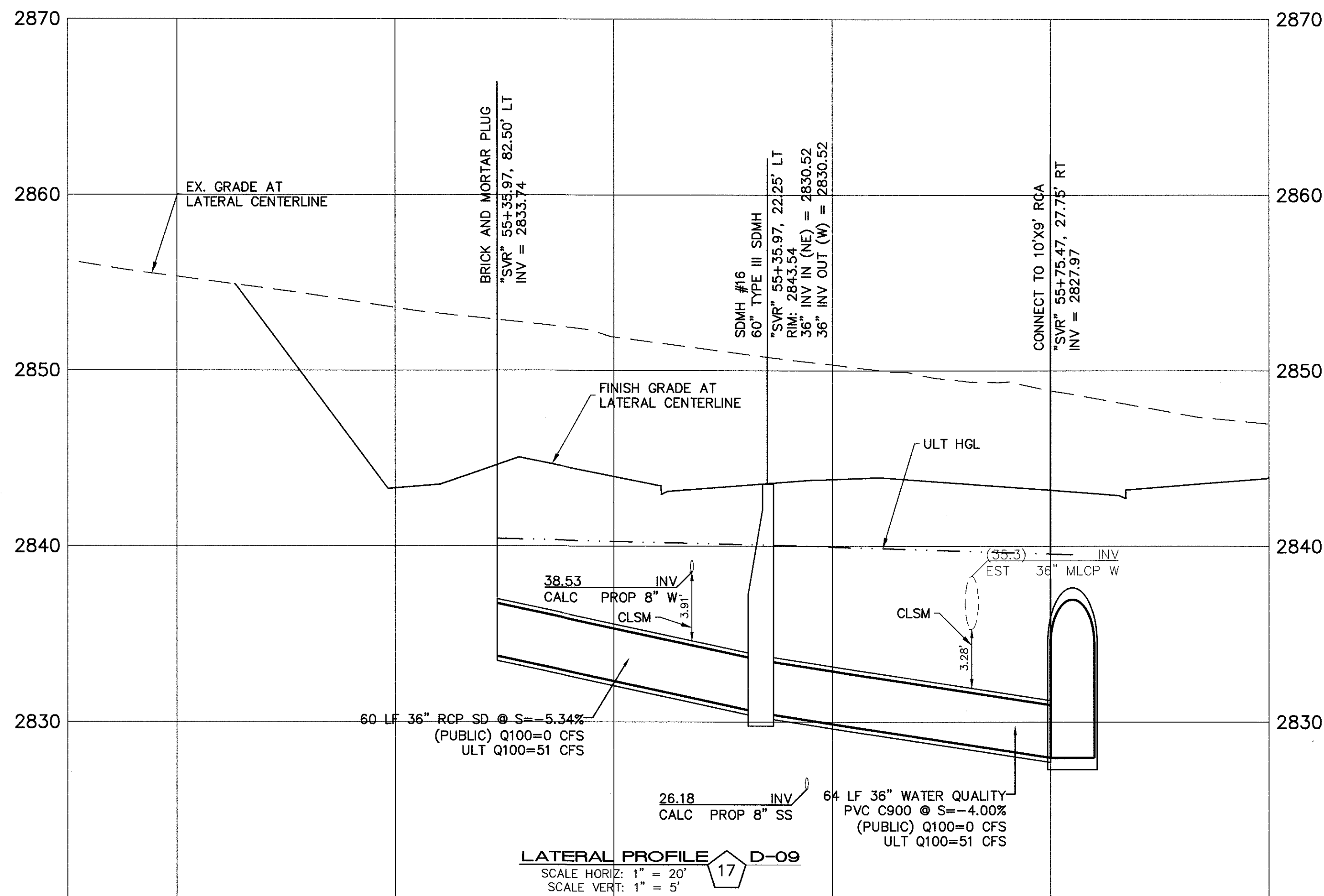
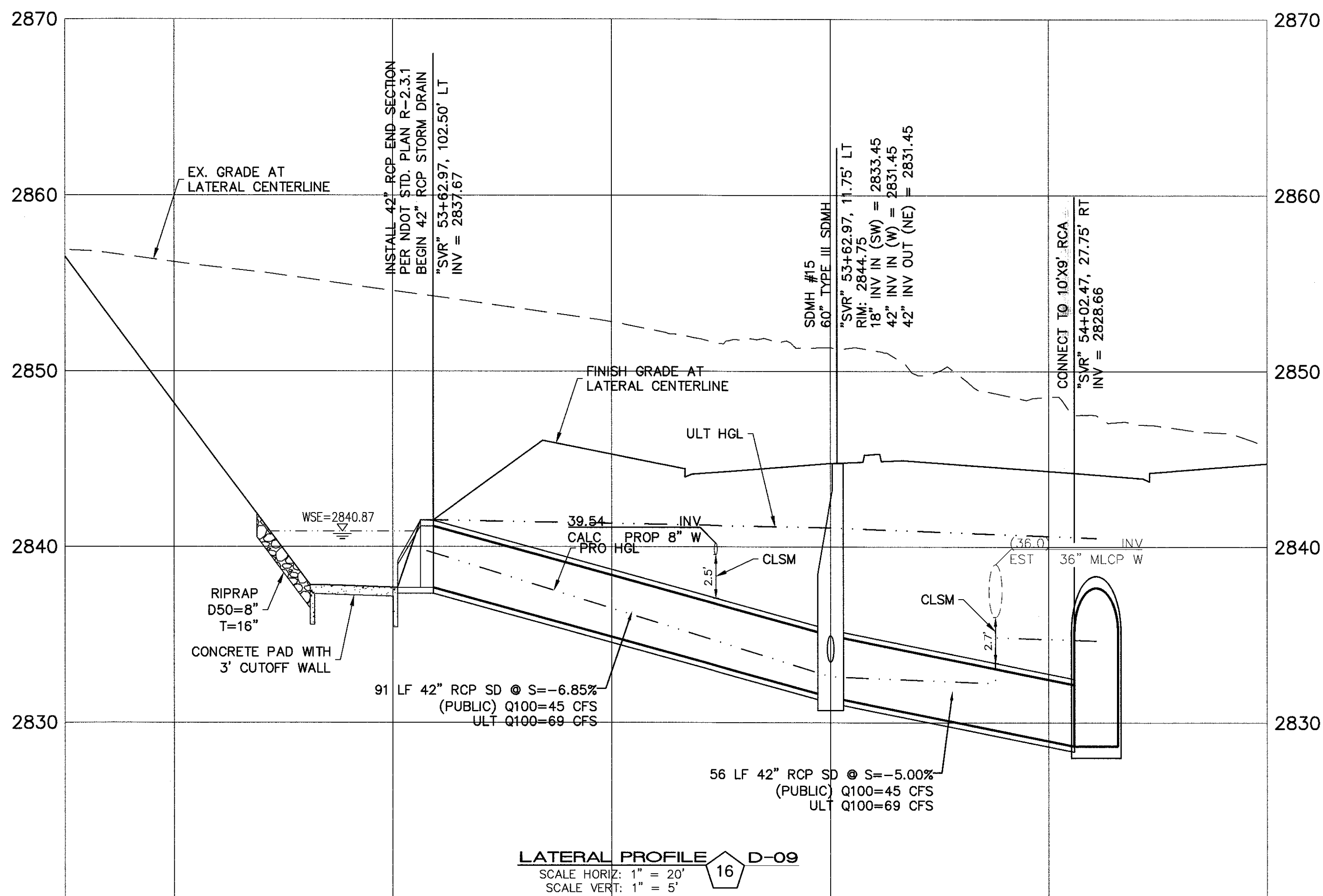
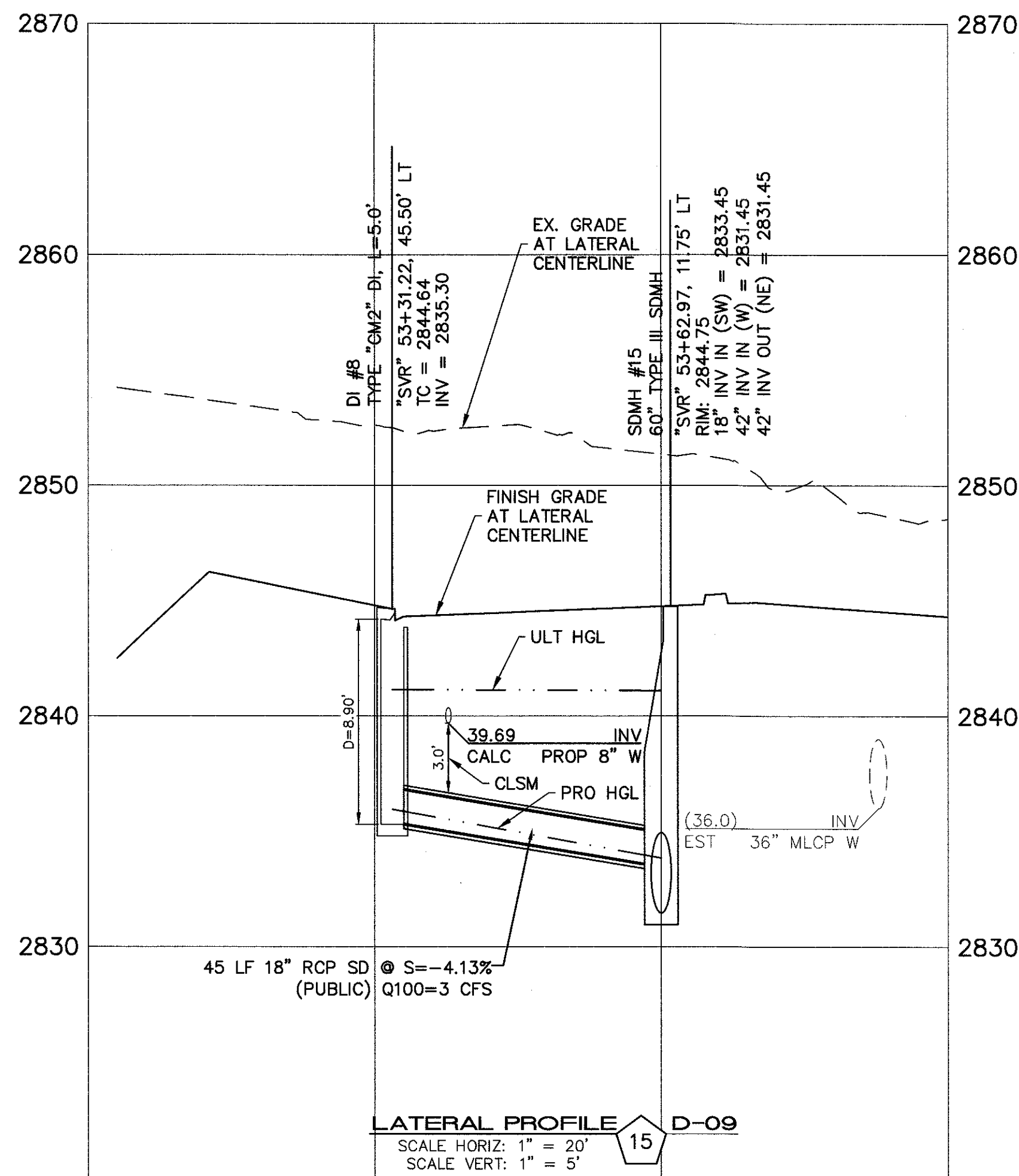
OLY1609-000



D-20

SHEET 24 OF 31

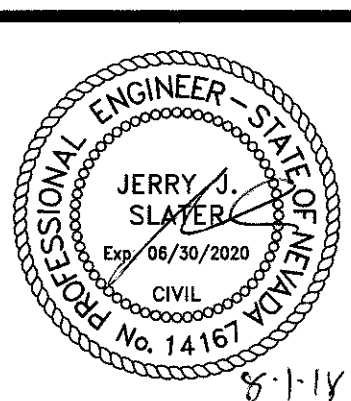


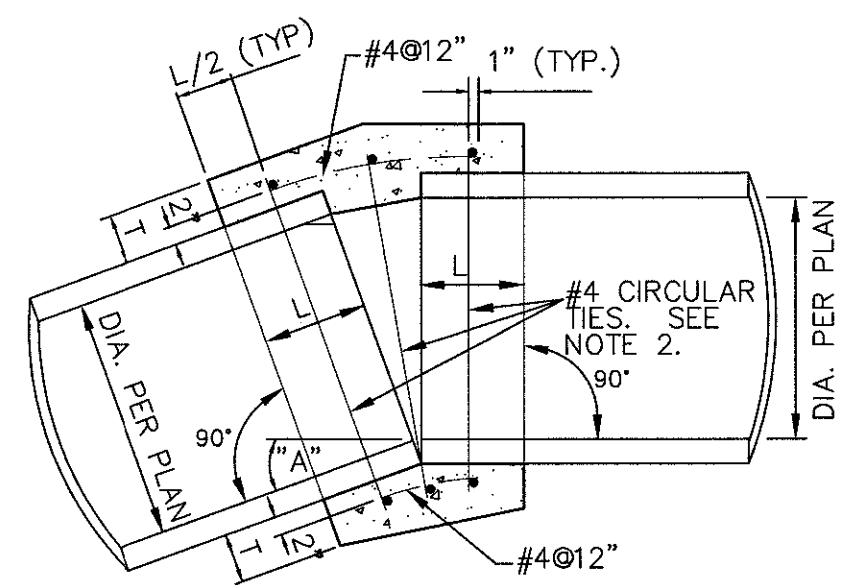


NO.	DESCRIPTION	DATE	BY	APP.

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3A
STORM DRAIN LATERAL PROFILE

DATE: 4/5/18
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.
OLY1609-000





NOTES:

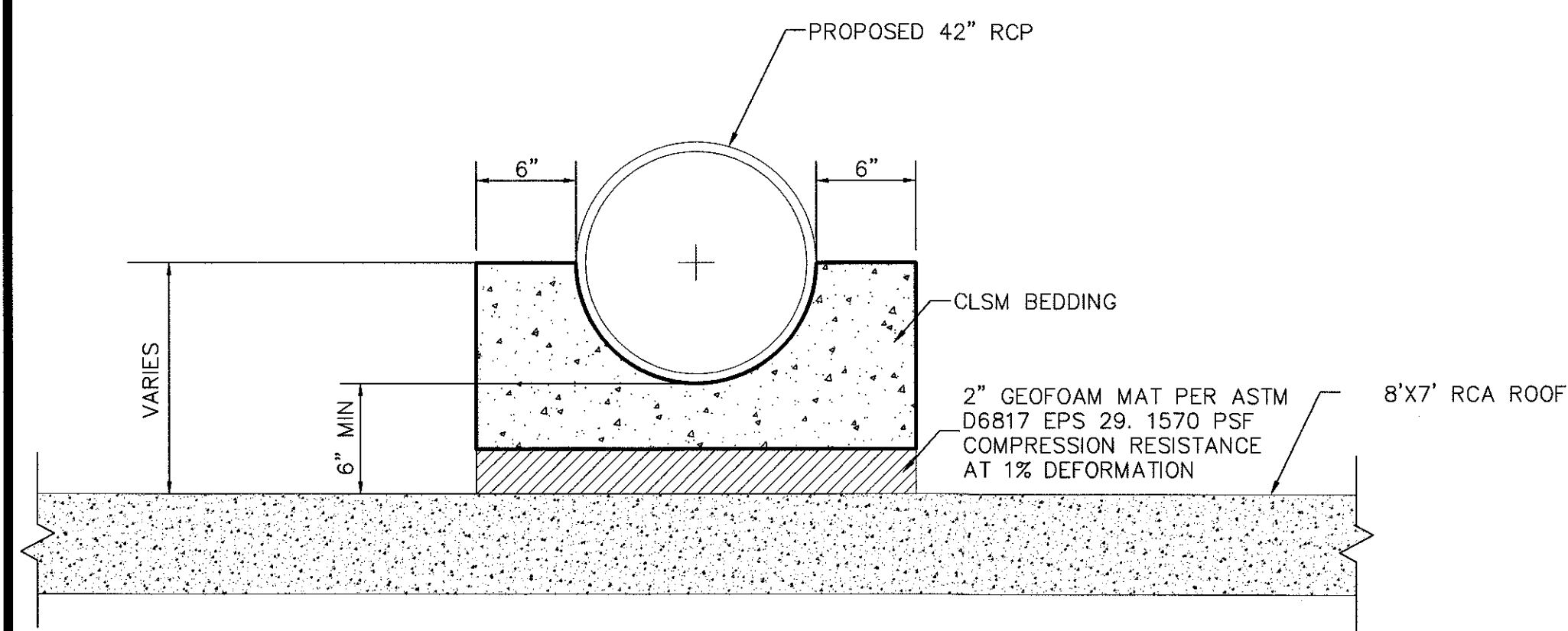
- WHERE THE SLOPE OF THE UPSTREAM PIPE IS GREATER THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN SOFFITS. WHERE THE SLOPE OF THE UPSTREAM PIPE IS LESS THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN INVERTS.
- WHERE THE SPACE BETWEEN THE PIPE EXTREMITIES EXCEEDS 2 1/2 INCHES, THE NUMBER OF CIRCULAR TIES SHALL BE INCREASED TO MAINTAIN A MAXIMUM SPACING OF 6 INCHES CENTER TO CENTER. CIRCULAR TIES SHALL HAVE A DIAMETER 5 INCHES GREATER THAN THE OUTSIDE DIAMETER OF THE LARGER PIPE.

CIRCULAR TIES

PIPE DIAMETER	SPACE BETWEEN PIPE EXTREMITIES	NO. OF CIRCULAR TIES	L	T
18"	2 1/2"	3	12"	5"
24"	2 1/2"	3	12"	6"
30"	2 1/2"	3	12"	7"
36"	2 1/2" or less	4	18"	9"
60"	2 1/2" or less	5	21"	11"

CONCRETE COLLAR

NOT TO SCALE



42" RCP CRADLE DETAIL

NOT TO SCALE

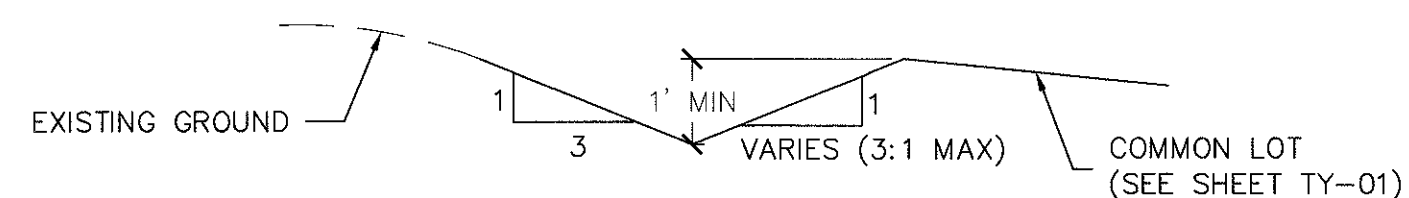
MINIMUM OF 1500 PSI MORTAR GROUT, FULL DEPTH

PIPE SIZE VARIES

2-1/4" x 4" x 8" BRICK

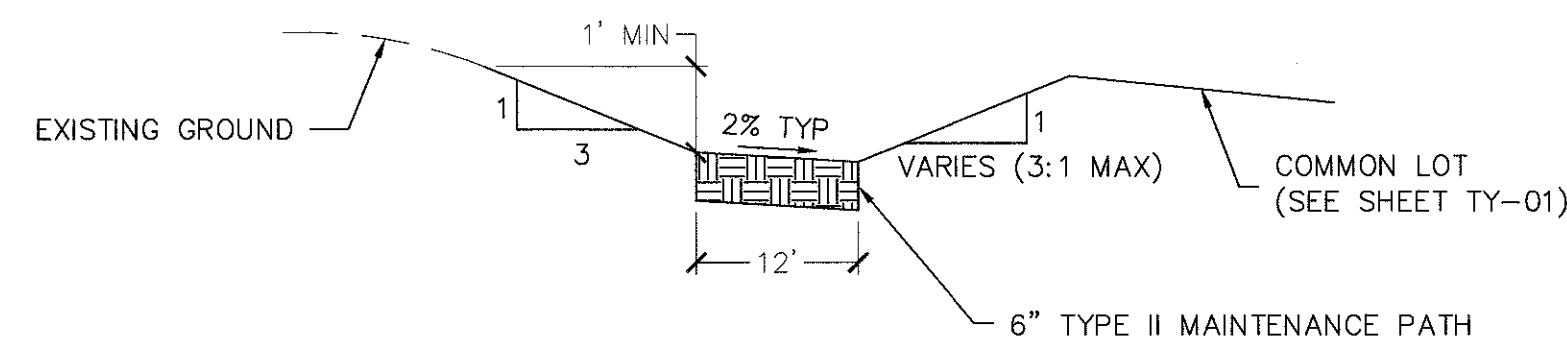
BRICK AND MORTAR PLUG

NOT TO SCALE



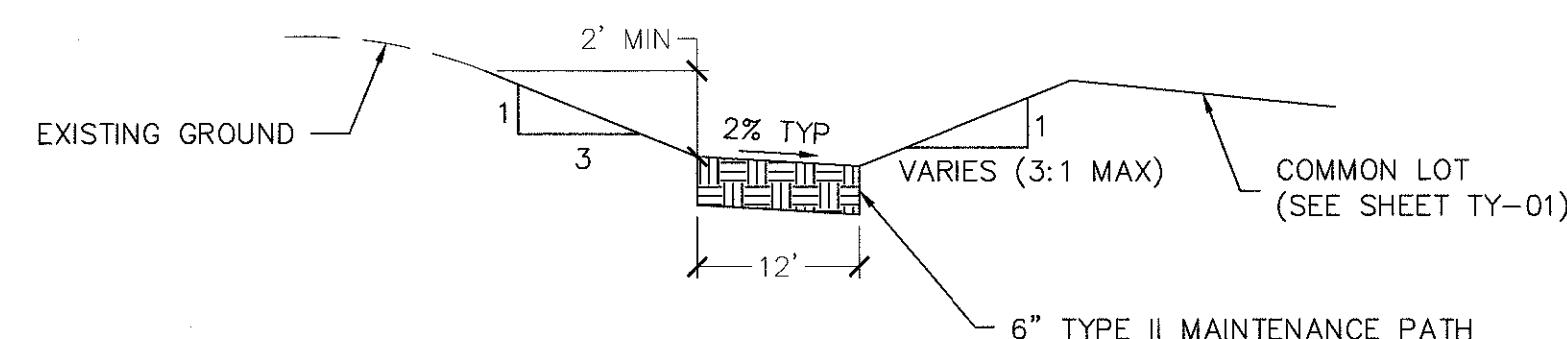
EARTHEN DITCH

NOT TO SCALE



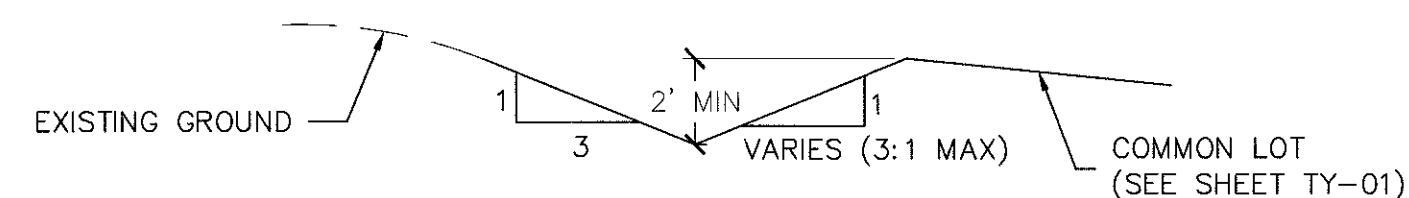
12' TYPE II MAINTENANCE ACCESS PATH

NOT TO SCALE



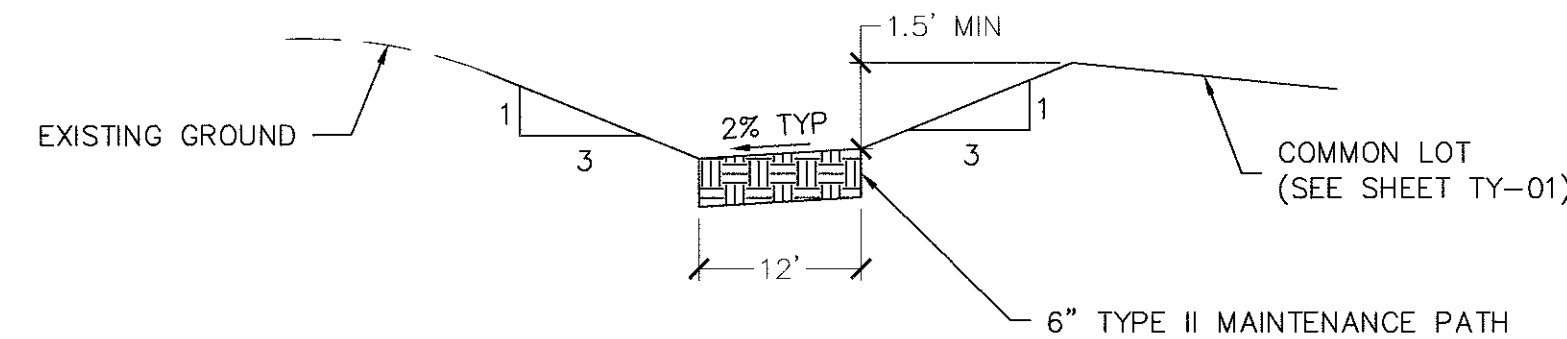
12' TYPE II MAINTENANCE ACCESS PATH

NOT TO SCALE



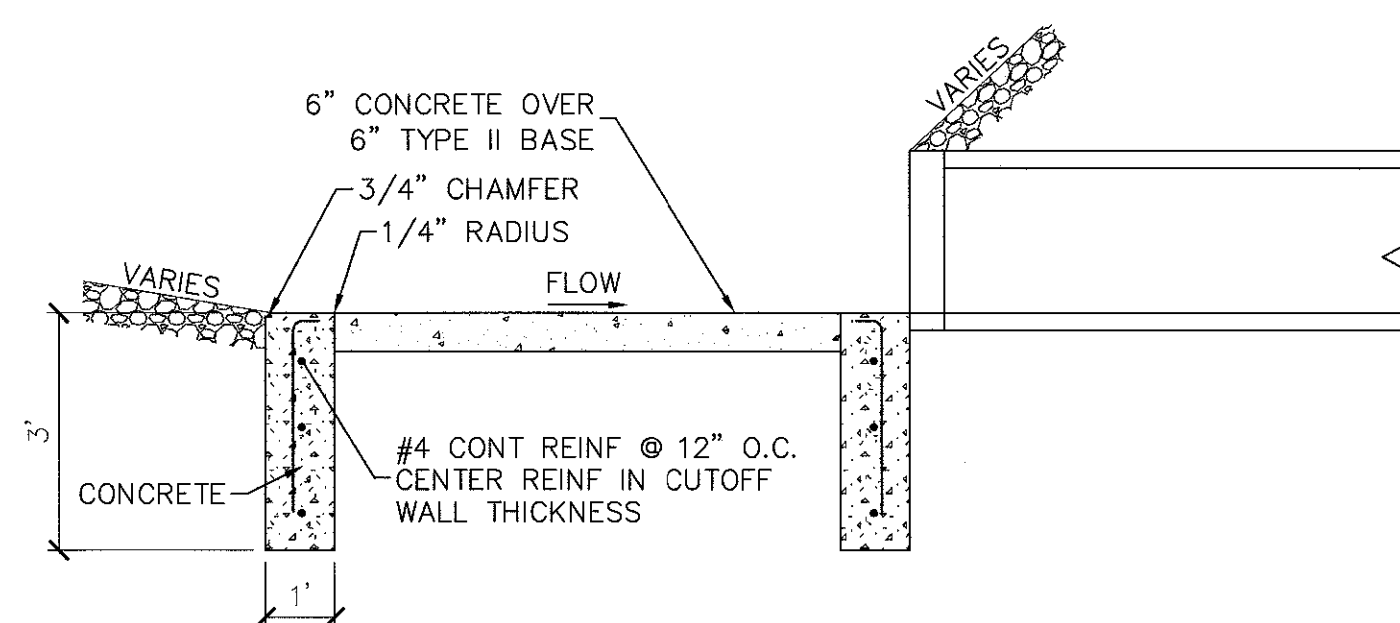
EARTHEN DITCH

NOT TO SCALE



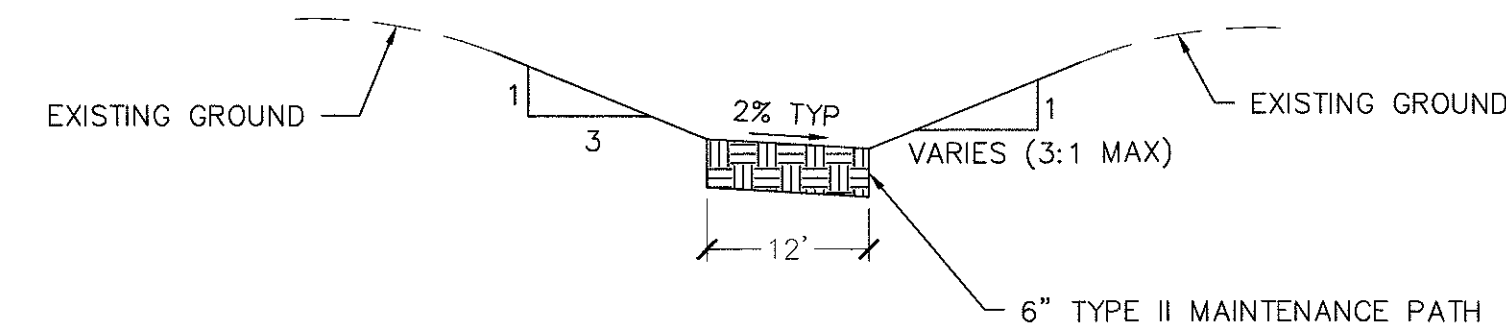
12' TYPE II MAINTENANCE ACCESS PATH

NOT TO SCALE



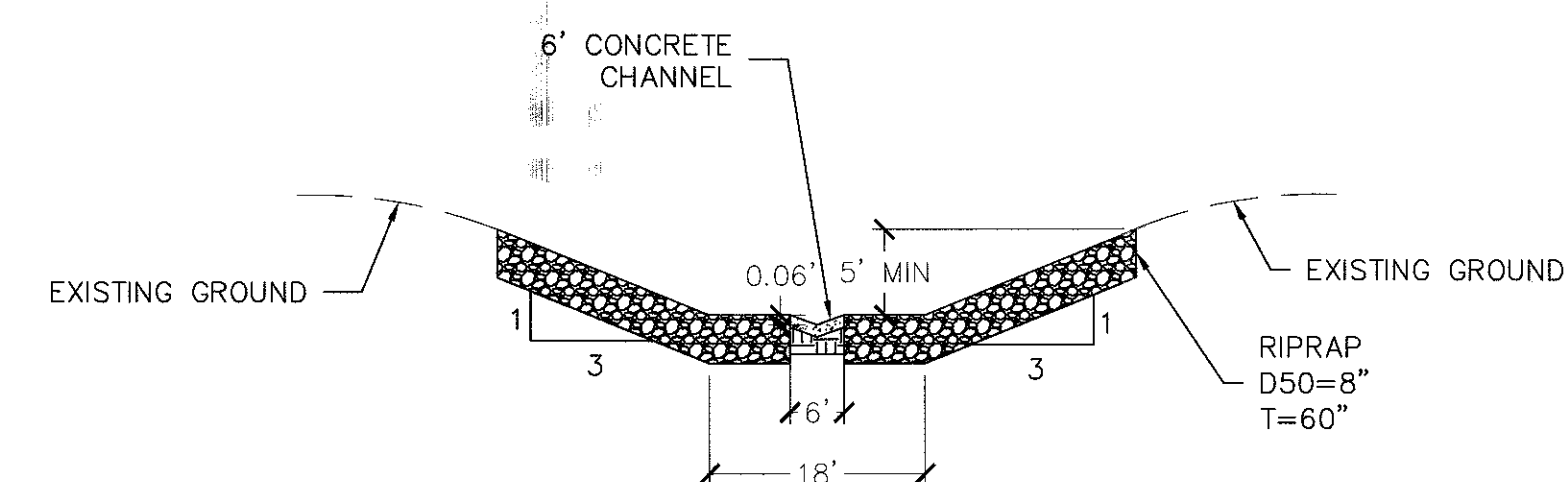
CONCRETE PAD WITH 3' CUT-OFF WALL

NOT TO SCALE



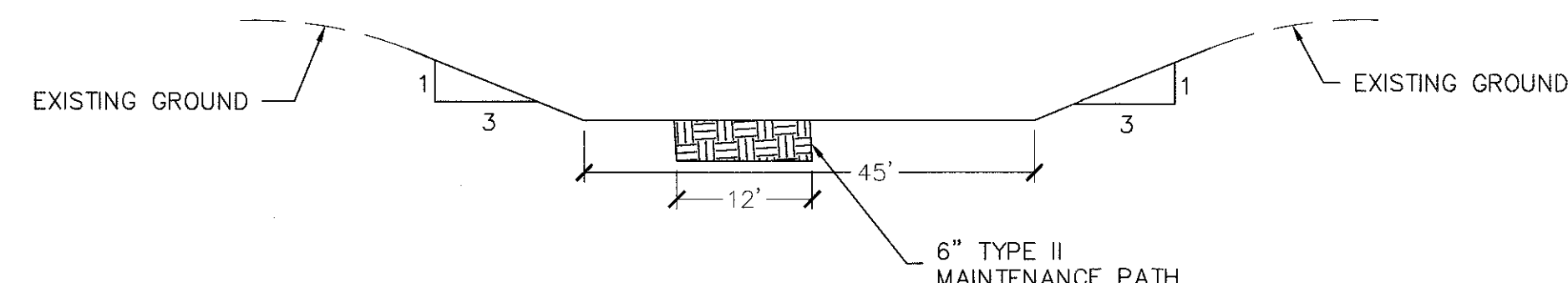
12' TYPE II MAINTENANCE ACCESS PATH

NOT TO SCALE



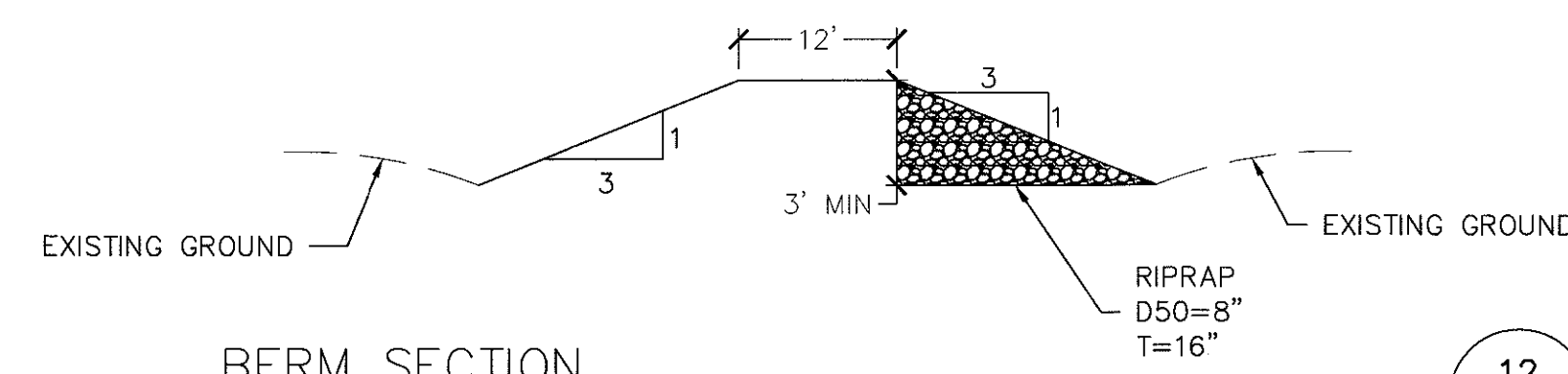
RIPRAP DITCH

NOT TO SCALE



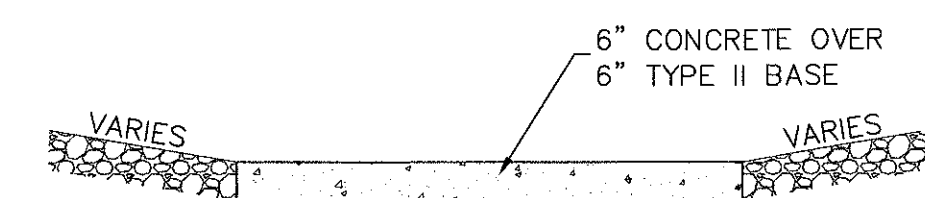
EARTHEN DITCH

NOT TO SCALE



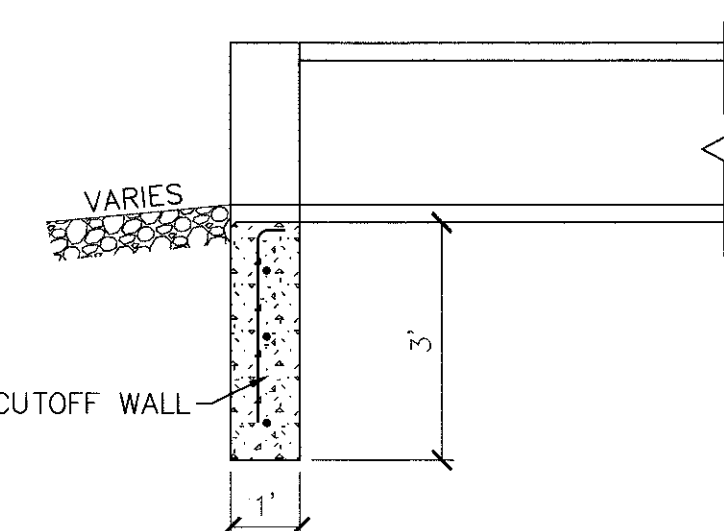
BERM SECTION

NOT TO SCALE



12' CONCRETE ACCESS ROAD

NOT TO SCALE

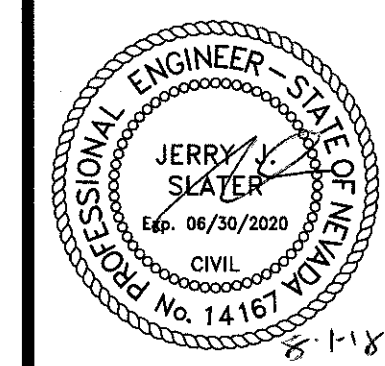


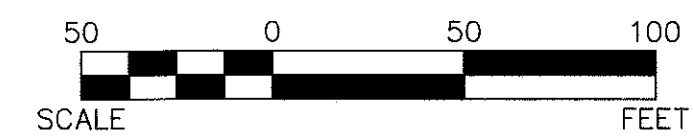
3' CUT-OFF WALL

NOT TO SCALE

NO.	DESCRIPTION	DATE	BY	APP.

DATE:	4/5/18
DRAFTER:	AM
DESIGNER:	DAM
CHECKED:	JSR
PROJECT NO.	OLY1609-000





PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.



GR-01
SHEET 30 OF 31

S-I-G **SLATER**
HANIFAN
GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #218, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399



PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.



GR-02
HEET 31 OF 31