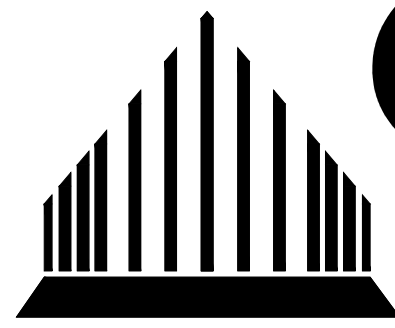
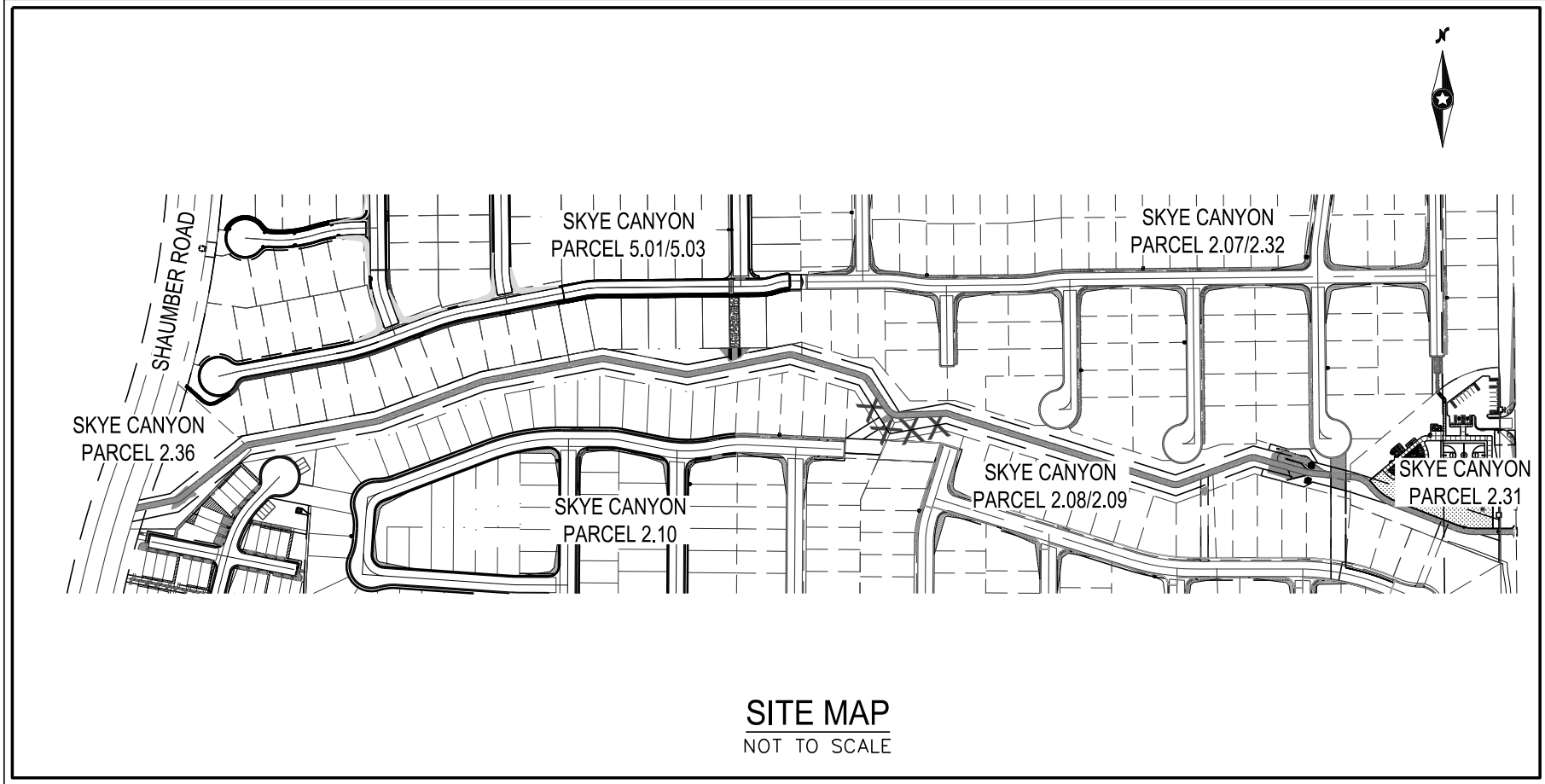
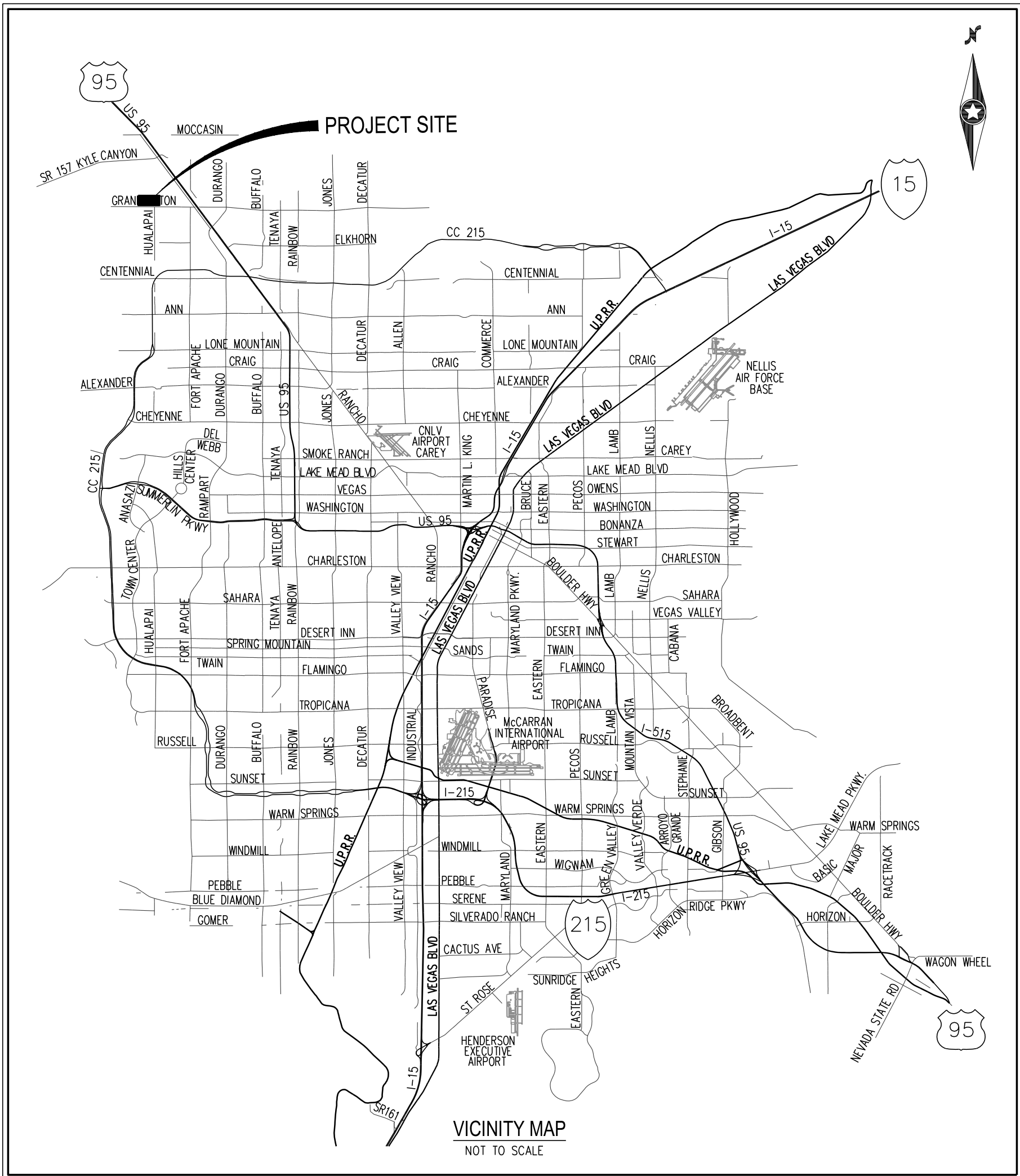


J:\env2018-000 skye north arroyo storm drain\env2018-000.dwg 10/26/2022 2:00 PM Abel Garcia Morales



CENTURY COMMUNITIES IMPROVEMENT PLANS FOR SKYE CANYON NORTH ARROYO STORM DRAIN

CITY OF LAS VEGAS, NEVADA
STORM DRAINAGE INFRASTRUCTURE
APN: A PORTION OF 126-12-610-001, 126-12-511-003,
126-12-610-006, 126-12-610-005; AND 126-12-614-120,
126-12-616-082, 126-12-613-014, AND 126-12-611-010



DEVIATIONS FROM STANDARDS

NONE

SWPPP NOTE

NOTE: ALL LAND SURFACE AREA DISTURBANCES OVER 1 ACRE REQUIRE A STORMWATER DISCHARGE PERMIT ISSUED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP). A PHASED CONSTRUCTION UNIT IN A CONTIGUOUS SUBDIVISION IS CONSIDERED UNDER CONSTRUCTION UNTIL ALL STRIPPED SURFACE AREAS HAVE BEEN COVERED BY PAVING, BUILDING CONSTRUCTION OR PLANTING. A STORMWATER DISCHARGE PERMIT APPLICATION AND ASSOCIATED INFORMATION MAY BE DOWNLOADED FROM THE WEB SITE: [HTTP://WWW.STATE.NV.US/BWPC/STORM01.HTM](http://www.state.nv.us/bwpc/storm01.htm) PROJECTS THAT DISTURB MORE THAN ONE ACRE OF LAND MUST SUBMIT TO NDEP A "NOTICE OF INTENT" FOR INCLUSION UNDER STORMWATER PERMIT NO. NVR100000 ALONG WITH THE APPROPRIATE FILING FEE.

FEMA FLOOD ZONE INFORMATION

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 32003C1750E, DATED SEPTEMBER 27, 2002. A ZONE X (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

PROJECT INFORMATION

EARTHWORK SUMMARY (UNADJUSTED)

CUT	2,394 CY
FILL	14,281 CY
NET	11,887 CY (FILL)

GEOTECHNICAL ENGINEER

PREPARED BY: GEOTEK RESIDENTIAL, LLC
ADDRESS: 6835 SOUTH ESCONDIDO AVE.
PHONE: 702-897-2213
PROJECT No. 12203.SRC-LVR
DATED: 7/1/20

Sheet List Table		
Sheet Number	Sheet Description	Sheet Title
1	C-1	COVER SHEET
2	C-2	STANDARD NOTES
3	C-3	QUANTITIES AND LEGEND
4	R-1	REMOVAL PLAN
5	PP-1	PLAN AND PROFILE - STORM DRAIN I
6	PP-2	PLAN AND PROFILE - STORM DRAIN II
7	PP-3	PLAN AND PROFILE - STORM DRAIN III
8	PP-4	PLAN AND PROFILE - STORM DRAIN IV
9	PP-5	PLAN AND PROFILE - STORM DRAIN V
10	PP-6	PLAN AND PROFILE - STORM DRAIN VI
11	PP-7	PLAN AND PROFILE - STORM DRAIN LATERALS I
12	PP-8	PLAN AND PROFILE - STORM DRAIN LATERALS II
13	PP-9	PLAN AND PROFILE - STORM DRAIN LATERALS III
14	D-1	GRADING DETAILS I
15	D-2	NDOT DETAILS I

APPROVALS

CITY OF LAS VEGAS ENGINEERING

CLV FIRE & RESCUE

CLV PLANNING DEPARTMENT
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE DEPARTMENT OF PLANNING

CENTRAL TELEPHONE CO. DBA CENTURYLINK DATE

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

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. ##### FIRST APPROVED DATE: _____
LYVWD APPROVED FIRE FLOW 1,500 _____ GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW _____ 20 _____ GPM
SHEETS: _____

NV ENERGY DATE

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

SOUTHWEST GAS CORPORATION SWG UID DATE

COX COMMUNICATIONS LAS VEGAS, INC. DATE

OWNER/DEVELOPER

CENTURY COMMUNITIES OF NEVADA, LLC
6345 SOUTH JONES BLVD.
LAS VEGAS, NV 89118
PH: (702) 873-5338
CONTACT: PAULO CHAVEZ

ENGINEER

WESTWOOD PS
5725 W. BADURA AVE., SUITE 100
LAS VEGAS, NV 89118
PH: (702) 284-5300
FX: (702) 284-5399
CONTACT: LANT LEAVITT

LEGAL DESCRIPTION

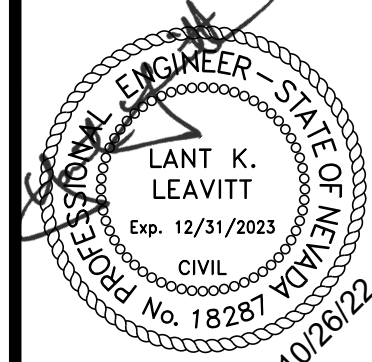
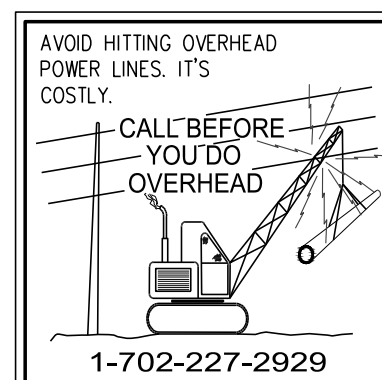
A PORTION OF SECTION 12, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

BENCHMARK

BENCHMARK NUMBER: USD1934
U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT THE SOUTHWEST CORNER OF U.S. 95 AND KYLE CANYON ROAD.
ELEVATION = 2817.61 FEET, 858.81 METERS
N.A.V.D. 88 DATUM
PER THE CITY OF LAS VEGAS VERTICAL CONTROL WEBSITE

BASIS OF BEARINGS

SOUTH 00°34'18" EAST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE1/4) OF SECTION 12, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 157, PAGE 41 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.



C-1

SHEET 1 OF 15

CENTURY
COMMUNITIES
SKYE CANYON NORTH ARROYO STORM DRAIN
COVER SHEET

CITY OF LAS VEGAS, NV

DATE: 10/26/2022

DRAFTER: LA

DESIGNER: LA

CHECKED: LL

PROJECT NO.

CEN2018

10/26/22

10/26/22

STORMWATER RUNOFF MANAGEMENT

- STANDARD NOTE NO. 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 ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CITY OF LAS VEGAS 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.
- STANDARD NOTE NO. 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 SPECIFIED IN THE LVMD 14.18.130 AND CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT'S HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL SECTION 1500 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- STANDARD NOTE NO. 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 NV100000, SECTION III.A.5.
- STANDARD NOTE NO. 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 ENTRANCE, AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR 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 SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV100000, SECTION III.A.5.
- STANDARD NOTE NO. 5: ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

REVISED JANUARY 2022

SOUTHERN NEVADA - SOUTHWEST GAS CORPORATION GENERAL NOTES

- IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020.
- MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS.
A) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES.
- FOR VALVE ADJUSTMENT CONTACT 702-528-7855 14 DAYS PRIOR TO CONSTRUCTION.
- FOR ADJUSTMENT OF CATHODIC PROTECTION TEST POINTS CONTACT 702-528-7873 14 DAYS PRIOR TO CONSTRUCTION.
- IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099.
- FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702-278-8451 46 HOURS PRIOR TO CONSTRUCTION.

REVISED 1/12/2022

LEGAL DESCRIPTION

A PORTION OF SECTION 12, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

BENCHMARK NUMBER: USDA1934

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GRADING NOTES

- INDICATED GRADES OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADES.
- THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
- CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
- ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.1' OF THE PAD ELEVATIONS SHOWN ON THE PLANS. WHEN GRADING IS COMPLETE PER THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE LOTS CAN BE INSPECTED. AT THAT TIME THE ENGINEER SHALL ALSO DECIDE IF ANY ADDITIONAL DITCHES OR BERMS ARE REQUIRED. THE CONTRACTOR IS REQUESTED NOT TO REMOVE ANY OF HIS ROUGH GRADING EQUIPMENT UNTIL HE RECEIVES GRADING APPROVAL FROM THE ENGINEER.
- SOILS REPORT PREPARED BY GEOTEK RESIDENTIAL, LLC, PROJECT NO. 12203.38C-LVR, DATED 7/11/20.
- EARTHWORK QUANTITIES (RAW):
- CUT = 2,394 CUBIC YARDS
- FILL = 14,281 CUBIC YARDS
A) THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
B) THE ABOVE QUANTITIES DO REFLECT USING NATIVE MATERIAL IN LIEU OF TYPE I GRAVEL BASE MATERIAL. FOR STREET SECTIONS.
C) THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

CITY OF LAS VEGAS SEWER NOTES

- 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 OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
- 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.
- CHISEL "S" OR "C" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE I AGGREGATE BASE.
- ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
- TEE 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 LINE "Y" SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
- WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVMD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
- 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.
- THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS 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 PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
- INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.
- SEWER SERVICES AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVE ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN THE EVENT THAT THE PARCEL AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE SEWER SERVICES TO EACH.

REVISED 09/16/2020

LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES

LVVWD PROJECT # ADD FIELD (REVISED 10/18/2021)

- 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 (258-777) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION FOR FUTURE INSPECTIONS. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
- 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.
- 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 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
- ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
- 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.
- 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.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
- TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444.
- THE INSTALLATION OF 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 SURFACE WITHIN THE STREET IS 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 OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN 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.

- PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISH GRADE PER UDACS PLATES. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
- DRY UTILITY NOTES:** MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSINGS. MAINTAIN A MINIMUM 3' PARALLEL SEPARATION.

RTC FAST NOTES

- CONTRACTOR IS TO MAINTAIN AND KEEP OPERATIONAL ALL EXISTING INFRASTRUCTURE WITHIN THE CONSTRUCTION LIMITS. IF ANY EXISTING INFRASTRUCTURE IS DAMAGED DUE TO CONSTRUCTION, WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT MR. LONNIE BROWN (RTC FAST MANAGER TRAFFIC SYSTEMS MAINTENANCE) AT 702-280-1979 CELL OR 702-432-5300 GENERAL.
- IF ANY EXISTING FIBER OPTIC CABLE IS TO BE CUT, SPliced AND OR PULLED, ALONG OR ADJACENT TO THE PROJECT LIMITS, THE CONTRACTOR IS TO CONTACT MR. LONNIE BROWN TWO (2) WEEKS IN ADVANCE FOR SYSTEM SHUTDOWN COORDINATION.
- CONTRACTOR SHALL NOTIFY MR. LONNIE BROWN AT 702-290-1979 CELL, 702-432-5300 GENERAL, OR AT BROWN@RTCFAST.COM, ONCE ALL PROJECT FIBER OPTIC WORK IS COMPLETE.

REVISED 05/01/2020

CITY OF LAS VEGAS FIRE AND RESCUE GENERAL NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
- ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS - APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
- A PERMIT IS REQUIRED FROM 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. IFC #1006.16
- ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED 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. IFC #3310, #3312
- 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. IFC #507.5.7.3
- 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. IFC #106.3
- 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. IFC #507.2.1, NPA 24
- PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC #507
- PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC #507.5.7.1
- 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. IFC #507
- FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC #C102
• RESIDENTIAL - 500 FT UNSPRINKLERED, 600 FT SPRINKLERED
• COMMERCIAL - 300 FT UNSPRINKLERED, 400 FT SPRINKLERED
- 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. IFC #C102.8
- 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. THE CONTRACTOR SHALL AVOID THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC #C102.10
- A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC #C102.4
- THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC #C102.7
- THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC #C102.6
- TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM, FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC #C104
- ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC #503.2.3
- THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROAD SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% OR 15 FT PER 10 FT OF THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC #503.2.7, #503.2.8
- THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC #503.2.4
- VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. IFC #503.2.1
- FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB, NOT LESS THAN 28 FT WIDE WITHIN THE RIGHT OF WAY. ONE SIDE MEASURED TO FACE OF CURB, NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB. FIRE LINES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC #503.2.1.1
- A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC #503.1.1
- APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD- ENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, CLV REGULATION AND MOU
- ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LINES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
- ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LINES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING OR OTHER SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT IN EXCESS OF 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC #503.3
- ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. IFC #503.6
- WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION

CITY OF LAS VEGAS GRADING NOTES

- 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.
- 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 WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- 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.
- 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.
- 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.
- 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:
A. PAVEMENT AREA SUBGRADE
HORIZONTAL 0.1+/- +0.0 TO -0.1" SEE SOILS REPORT
COMPACTION 0.5+/- +0.1 TO -0.1" SEE SOILS REPORT
B. UNIMPROVED FILL
HORIZONTAL 0.1+/- +0.0 TO -0.1" SEE SOILS REPORT
COMPACTION 0.5+/- +0.1 TO -0.1" SEE SOILS REPORT

UTILITY LOCATION NOTE TO CONTRACTOR

- EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: 1 (800) 277-2600; SOUTHWEST GAS CORPORATION: 702-278-8451 (STANDBY CONTACT NUMBER)
- COMPACTING TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- 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.
- 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 PROMPTLY 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.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED 04/15/10

UTILITY LOCATION NOTE TO CONTRACTOR

- EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: 1 (800) 277-2600; SOUTHWEST GAS CORPORATION: 702-278-8451 (STANDBY CONTACT NUMBER)

CITY OF LAS VEGAS GENERAL NOTES

- 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 REVISION 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 CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- 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 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 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.
- 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, AND ALL 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.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 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.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTENDED-TYPE CURB.
- AC PAVEMENT TO BE ONE-AND-ONE-HALF INCH (3/4") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
- CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
- 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.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INCREASED AND EXPOSURE TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY GEOTEK RESIDENTIAL, LLC, REPORT #12203.38C-LVR, 07/01/2020 APPROVED BY THE CITY ENGINEER AND AS SHOWN ON THESE PLANS.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- 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 NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO 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.
- AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM 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 A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.
(MAY BE USED ONLY ON PROJECTS ASSOCIATED WITH A TENTATIVE MAP CONTAINING 5 OR MORE LOTS)
SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY ENGINEER PRIOR TO THE ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF THE 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 A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE LOCATED BY CLV. COORDINATES SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAP(S) MUST BE SEALED AND SIGNED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTY OF ± 0.09 METERS (A 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATION OF MINIMUM 10 FEET SHALL BE MAINTAINED FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES. SHALL ALSO COMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
- 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 ADDITION.
- A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 06/04/2018

CITY OF LAS VEGAS TRAFFIC NOTES

- ALL CONSTRUCTION SIGNING, BARRICADE, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
- BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD", THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF THE THAT THE CHILDREN ARE LIKELY TO BE PRESENT.
- WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD", THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF THE THAT THE CHILDREN ARE LIKELY TO BE PRESENT.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE XI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CCAUSS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
- WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
- ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN THE PROPER POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR NWSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
- WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
- GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
- ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAINAGE OR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPENDING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

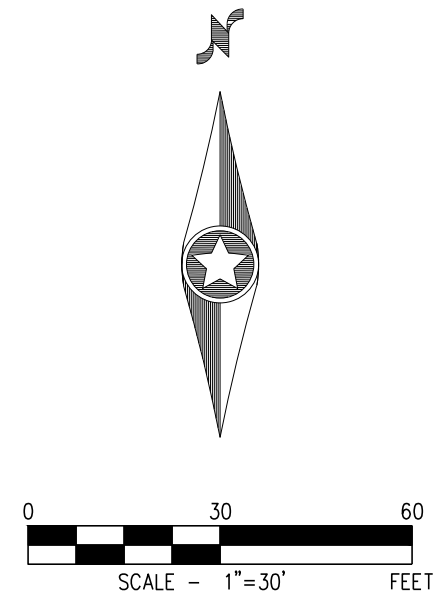
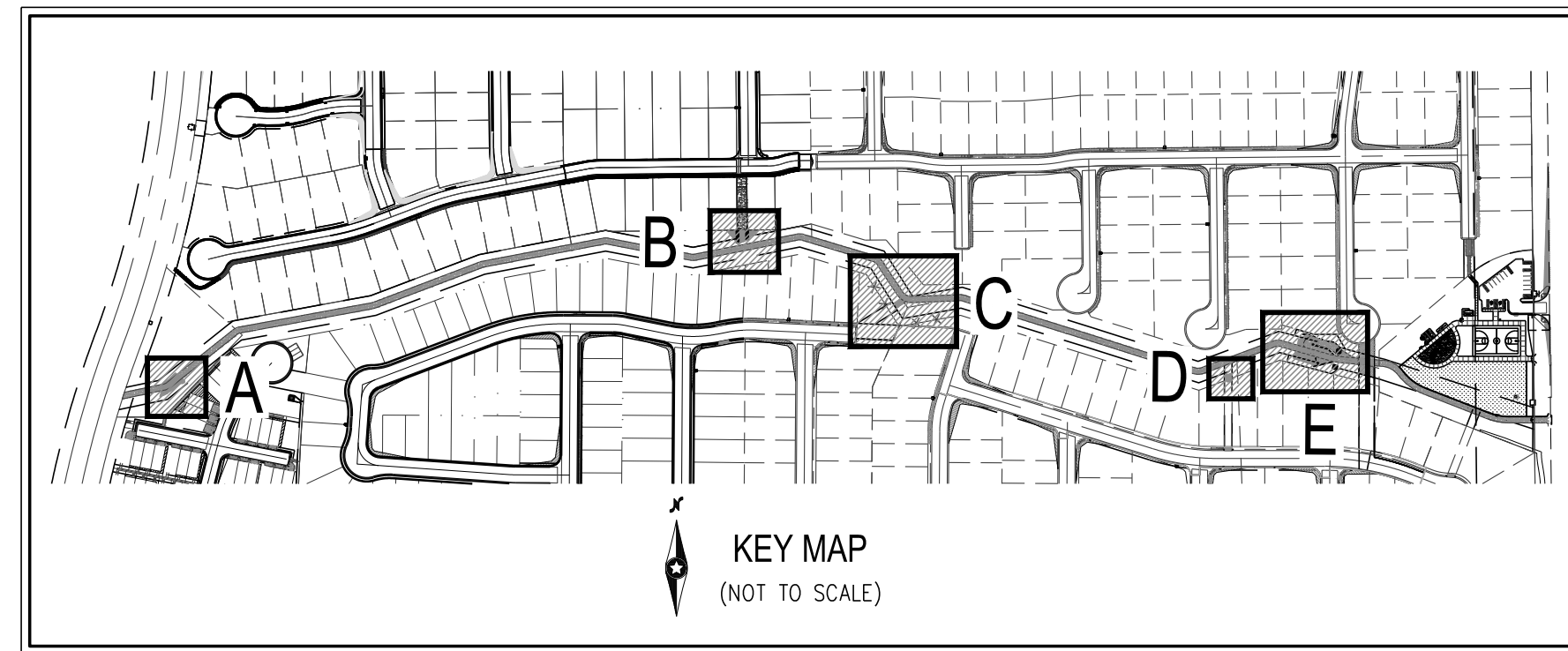
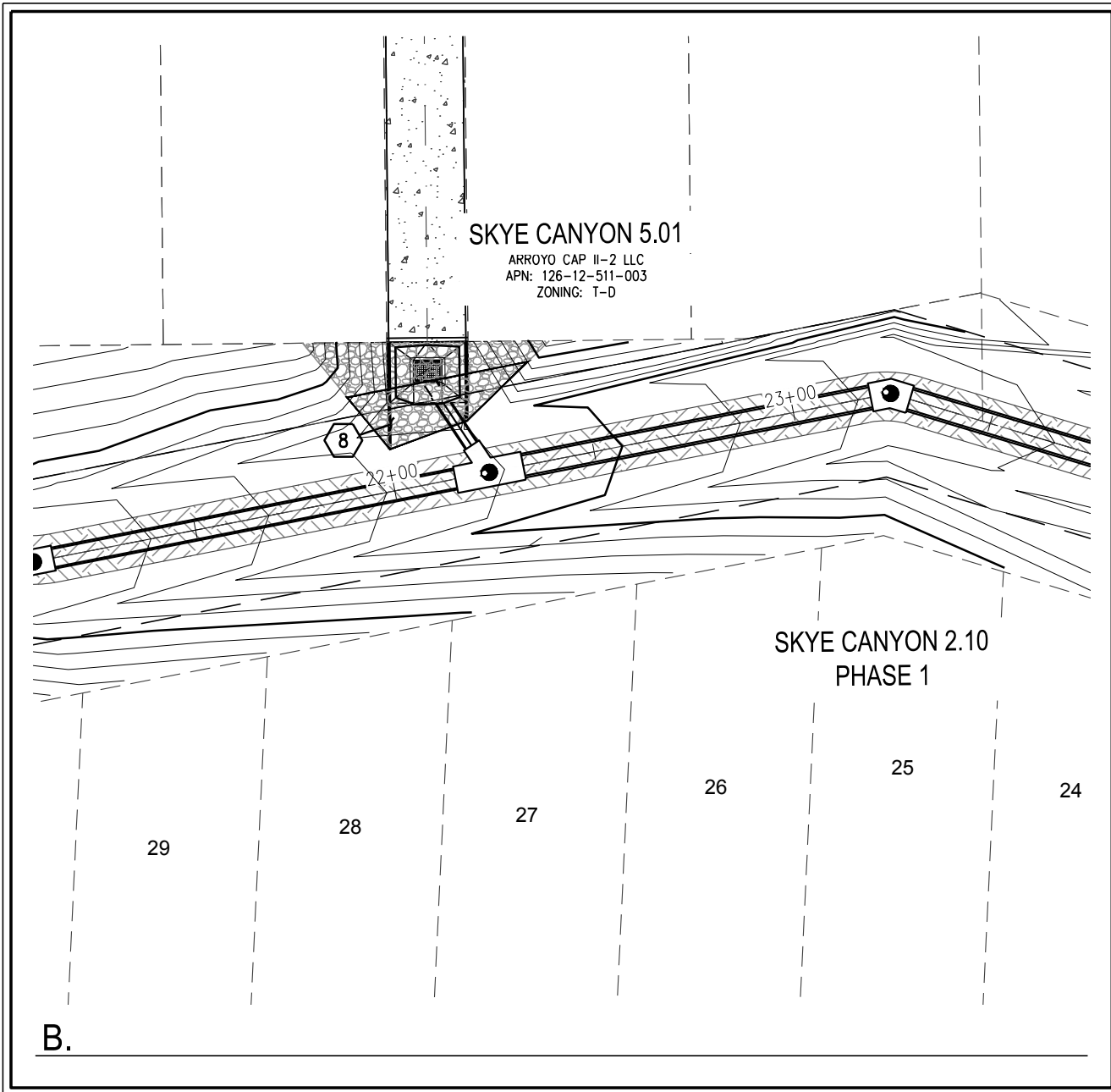
REVISED JUNE 4, 2018

CITY OF LAS VEGAS STREETLIGHT NOTES

- ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.
- DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BIDDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
- LUMINAIRES SHALL BE WARNED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE

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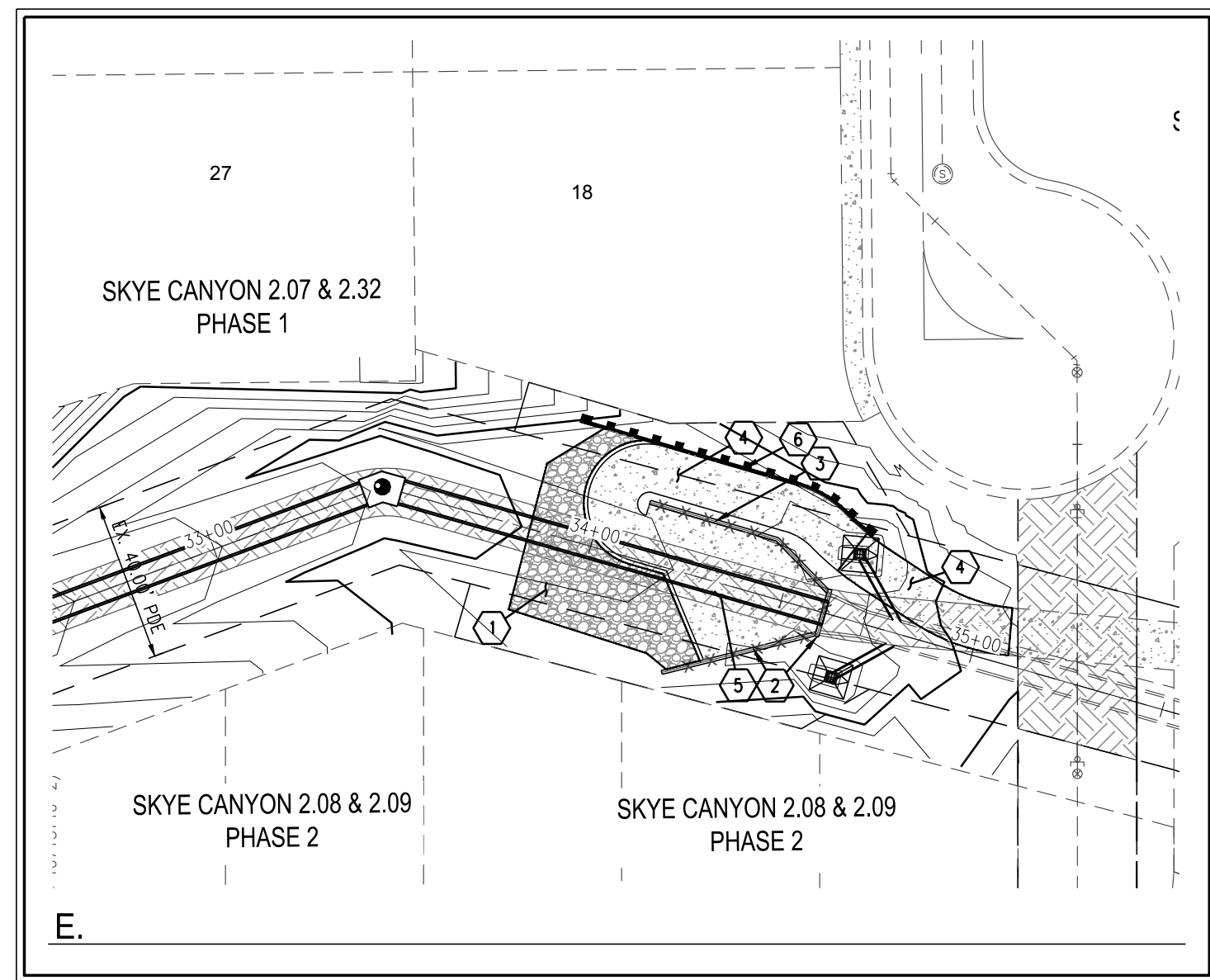
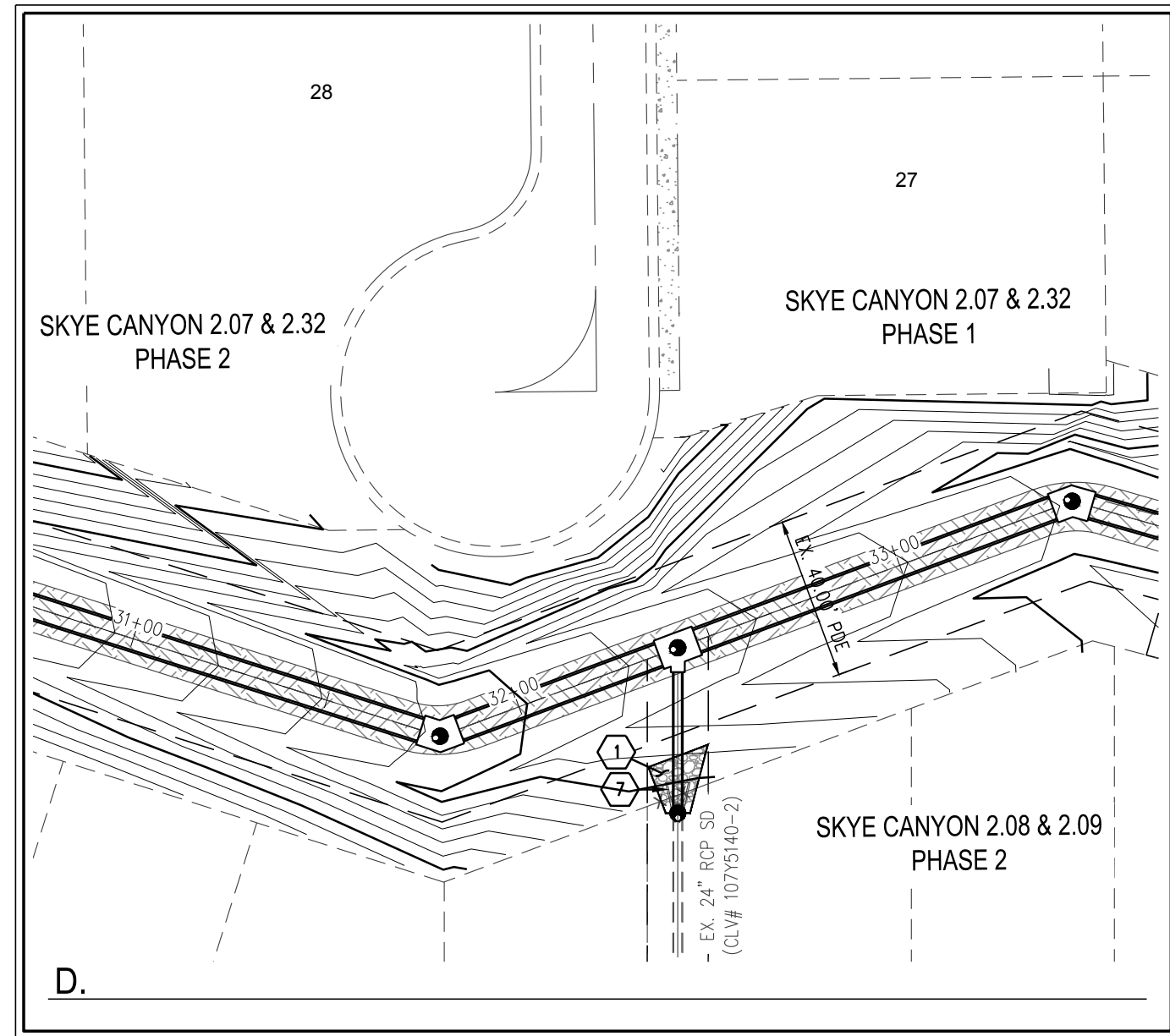
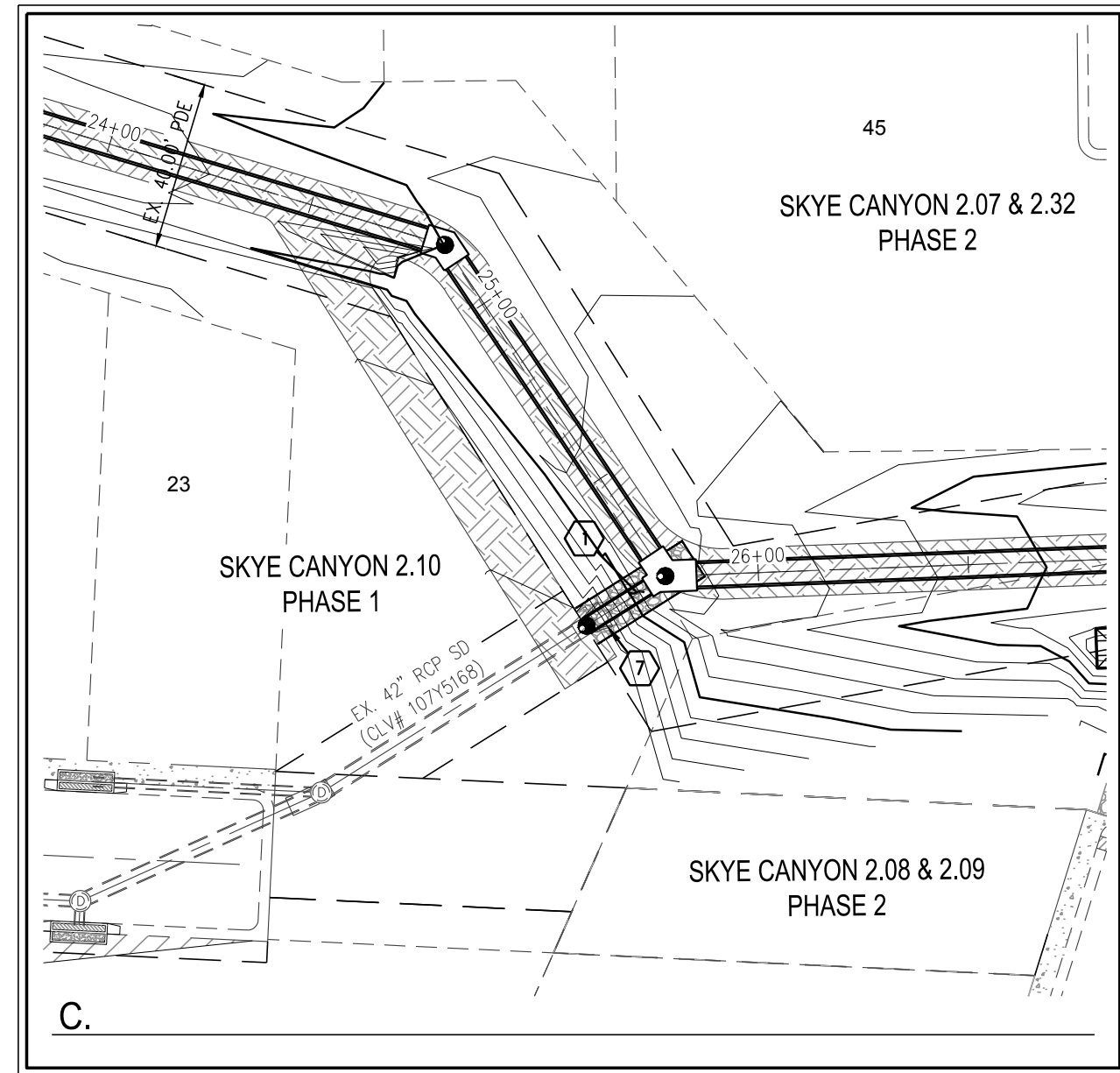


REMOVAL NOTES

- 1) REMOVE AND RECYCLE EXISTING RIP RAP
- 2) REMOVE EXISTING HEADWALL PER STRUCTURAL DETAIL S-#
- 3) REMOVE EXISTING POST AND CABLE FENCING
- 4) REMOVE EXISTING ACCESS PATH
- 5) REMOVE EXISTING CONCRETE APRON
- 6) REMOVE EXISTING WALL
- 7) REMOVE EXISTING RCP END SECTION
- 8) REMOVE AND RESET EXISTING RIP RAP (SEE PLAN AND PROFILE SHEETS FOR RESET LOCATION)
- 9) REMOVE CONCRETE APRON
- 10) REMOVE DROP INLET
- 11) REMOVE 54" RCP STORM DRAIN PIPE

DISCLAIMER NOTE

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LIP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.



CITY OF LAS VEGAS, NV



SKYE CANYON NORTH ARROYO STORM DRAIN REMOVAL PLAN

512
1185
1396

DATE: 10/26/2022

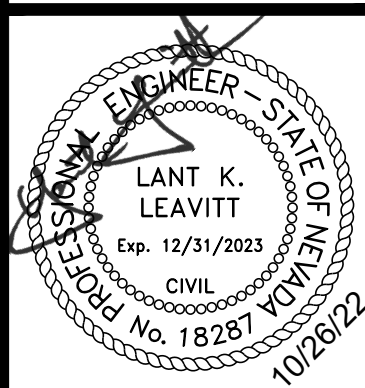
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PROJECT NO.

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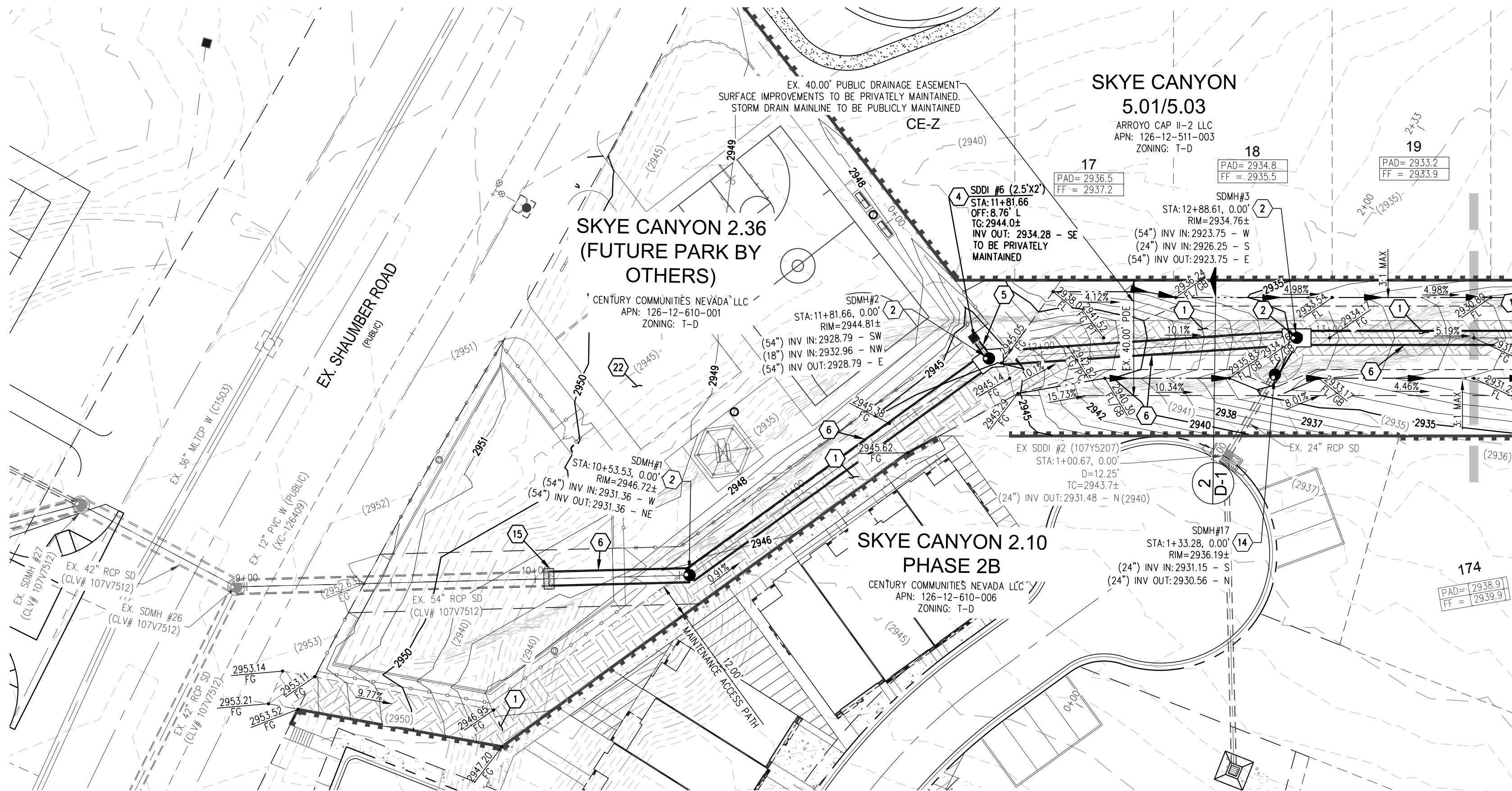
SHEET 4 OF 15

Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118

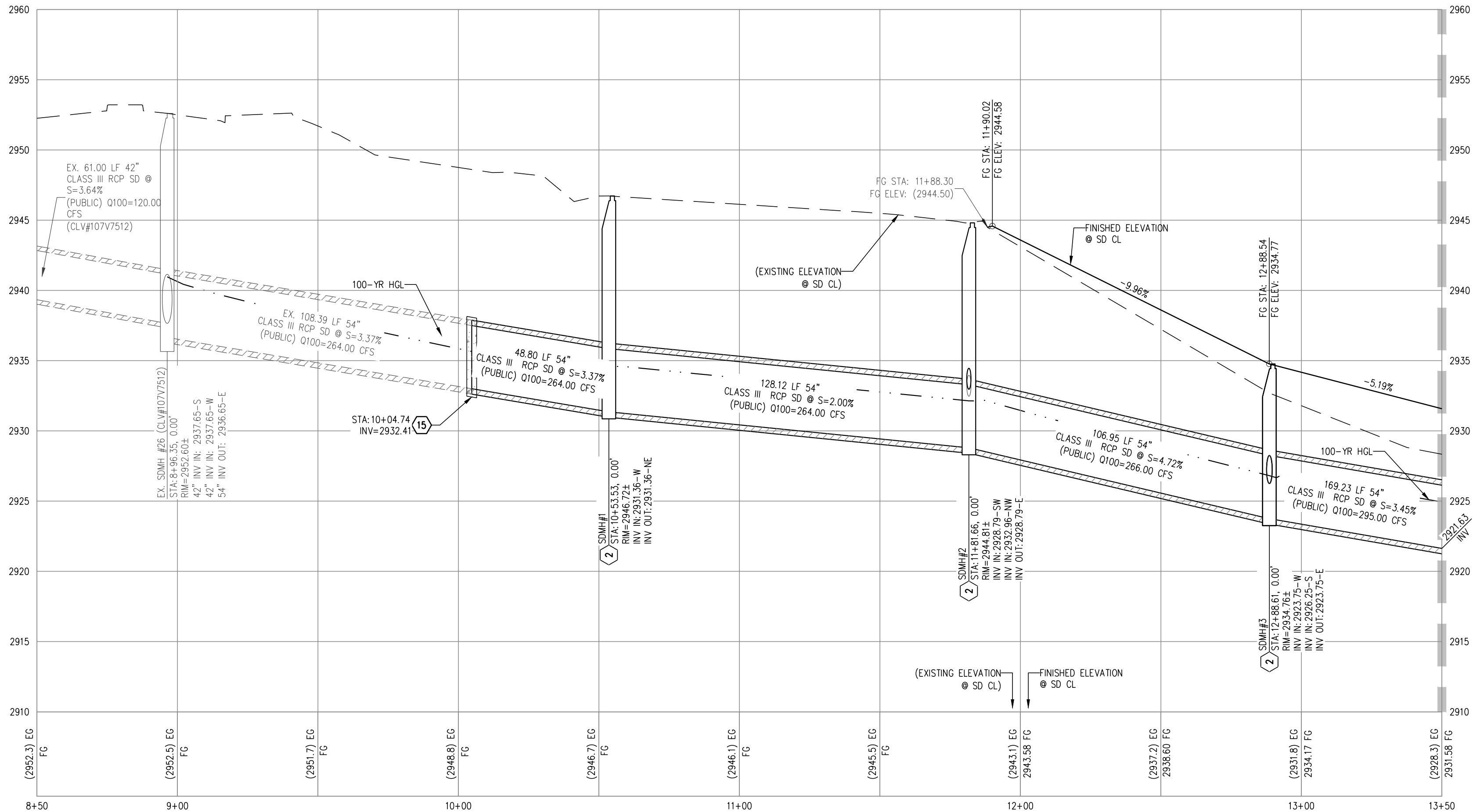
Phone (702) 284-5300

westwoodps.com
Westwood Professional Services, Inc.



STORM DRAIN - PLAN VIEW

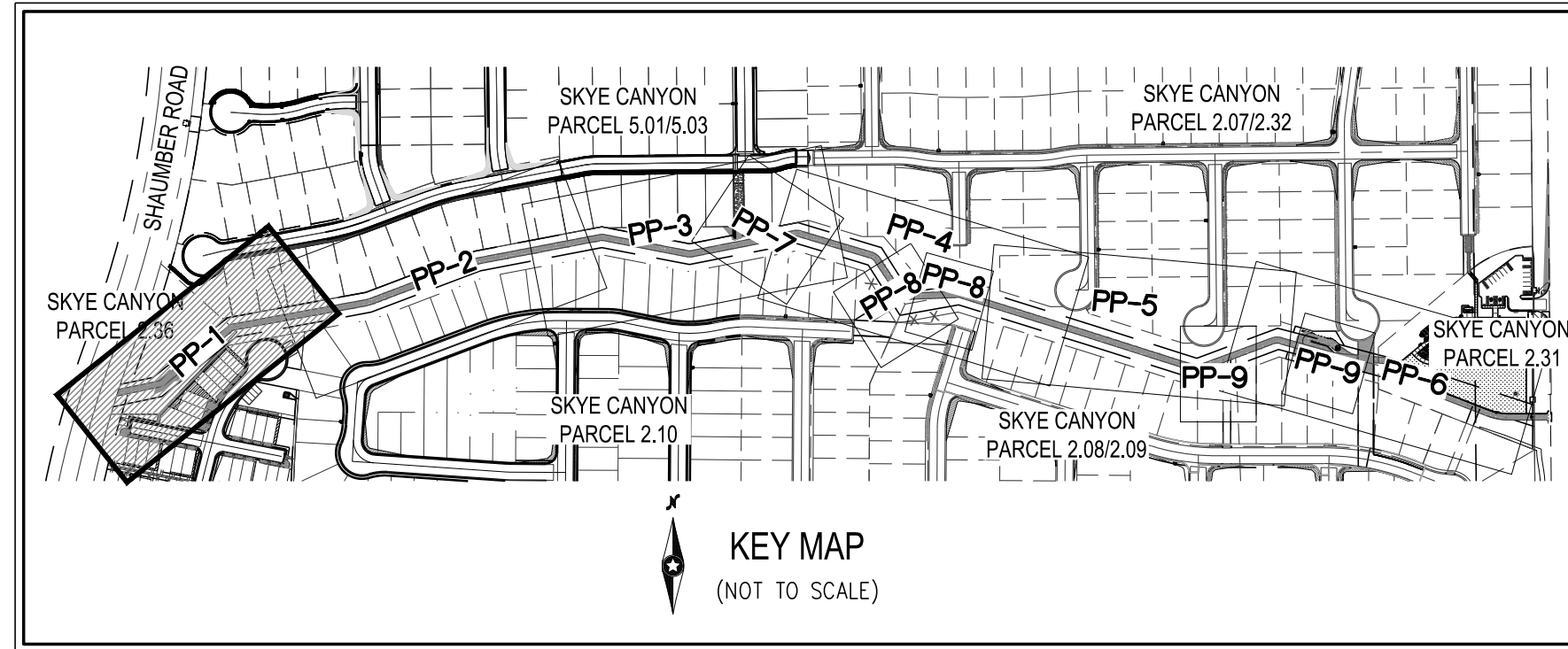
MATCHLINE AT STA: 13+50
SEE SHEET PP-2 FOR
CONTINUATION



STORM DRAIN - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'

MATCHLINE AT STA: 13+50
SEE SHEET PP-2 FOR
CONTINUATION



KEY MAP
(NOT TO SCALE)

LEGEND



DISCLAIMER NOTE

- EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LIP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GRADING NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
- ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
- MAXIMUM/MINIMUM SLOPES NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
- ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
- CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CITY OF LAS VEGAS BUILDING DEPARTMENT.
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLENISHING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
- NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

- 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 ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY 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.
- 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 SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- 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 NVR100000, SECTION III.A.5.
- 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 ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR 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 SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
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FLOOD ZONE

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 320030755C, DATED SEPTEMBER 27, 2002. A ZONE (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

CONSTRUCTION NOTES

- CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- INSTALL 18" CLASS III RCP STORM DRAIN
- INSTALL 54" CLASS III RCP STORM DRAIN
- INSTALL 60" CLASS III RCP STORM DRAIN
- INSTALL 66" CLASS III RCP STORM DRAIN
- CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL NDOT TYPE 2 STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 36" CLASS III RCP STORM DRAIN
- RESET EXISTING RIP RAP
- INSTALL RIP-RAP (D50=6", THICKNESS = 12")
- INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- INSTALL 42" RCP STORM DRAIN
- INSTALL 24" RCP STORM DRAIN
- CONSTRUCT 66" RCP TO 9'X7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 11 ON SHEET D-2 (SIZE PER PLANS)
- 6-INCH CURBS
- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- MASS GRADE PARCEL 2.36 (FUTURE PARK)
- CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA --	17
2. 60" TYPE IA STORM DRAIN MANHOLE	EA --	1
3. 48" TYPE III STORM DRAIN MANHOLE	EA --	1
4. NDOT TYPE 2 DROP INLET	EA --	6
5. 18" RCP CLASS III STORM DRAIN	LF --	104
6. 24" RCP CLASS III STORM DRAIN	LF --	57
7. 36" RCP CLASS III STORM DRAIN	LF --	30
8. 42" RCP CLASS III STORM DRAIN	LF --	23
9. 54" RCP CLASS III STORM DRAIN	LF --	1220
10. 60" RCP CLASS III STORM DRAIN	LF --	355
11. 66" RCP CLASS III STORM DRAIN	LF --	884
12. RIP RAP (D50=6", THICKNESS=12")	CY --	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE

SOILS REPORT

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/7/21

EARTHWORKS

EARTHWORK QUANTITIES (RAW):
CUT= 2,394 CU YDS
FILL= 14,281 CU YDS

EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.



Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
westwoodps.com
Westwood Professional Services, Inc.

CITY OF LAS VEGAS, NV

CENTURY
COMMUNITIES

SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN I

S12

T185

R39E

DATE: 10/26/2022

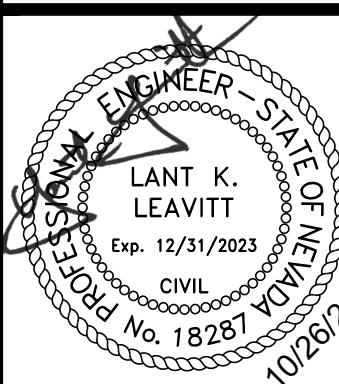
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DESIGNER: LA

CHECKED: LL

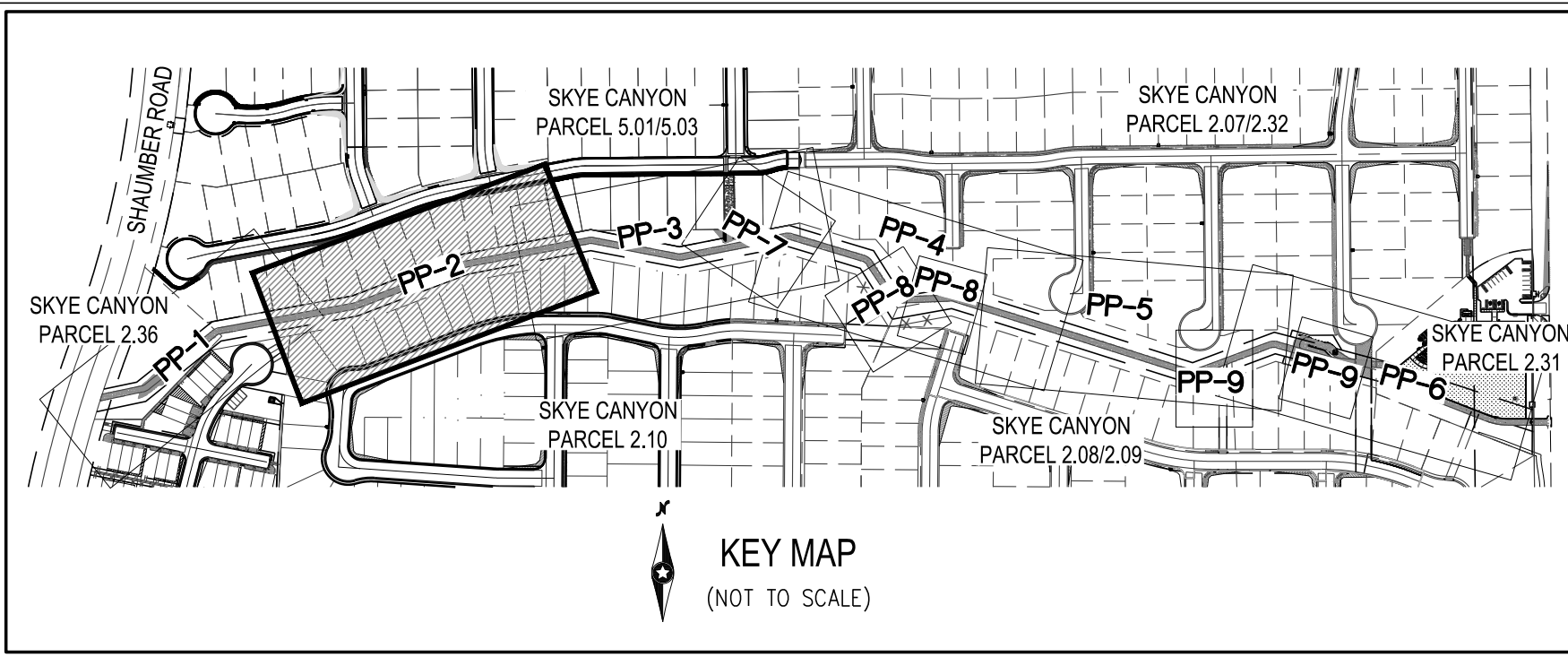
PROJECT NO.

CEN2018



PP-1

SHEET 5 OF 15



LEGEND

- 
- PEDESTRIAN AND MAINTENANCE
ACCESS PATH

DISCLAIMER NOTE

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- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES AND EXISTING PAVEMENT SANGUIT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LINE OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
2. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
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7. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB OR EXIST) WITHIN THE ADJACENT MOBILITY ZONES.

LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

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- 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.
- ADDITIONAL CONSTRUCTION SITE DECONTAMINATION BEST MANAGEMENT PRACTICES MAY BE REQUIRED IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- 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 NVRI000100, SECTION III.A.5.
- 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 TRAFFIC, OR OTHER SOURCES OF POLLUTION, AT LEAST TWICE EACH WEEK AFTER A RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN, AS NECESSARY, SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000100, SECTION III.A.12.
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FLOOD ZONE

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 32003C1750E, DATED SEPTEMBER 27, 2002. A ZONE X (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.3BC-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC

EARTHWORKS

EARTHWORK QUANTITIES (RAW):
CUT= 2,394 CU YDS
FILL= 14,281 CU YDS

EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED
LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED
AND ACTIVE GRADING PERMIT.



Call before you Dig
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.
Call

OR
1-800-642-2444



1. CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
2. INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401
3. INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET 5--
4. INSTALL NODOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
5. INSTALL 18" CLASS III RCP STORM DRAIN
6. INSTALL 54" CLASS III RCP STORM DRAIN
7. INSTALL 60" CLASS III RCP STORM DRAIN
8. INSTALL 66" CLASS III RCP STORM DRAIN
9. CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET 5--
10. INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
11. INSTALL 36" CLASS III RCP STORM DRAIN
12. RESET EXISTING RIP RAP
13. INSTALL RIP-RAP (D50=6", THICKNESS = 12")
14. INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
15. INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
16. INSTALL 42" RCP STORM DRAIN
17. INSTALL 24" RCP STORM DRAIN
18. CONSTRUCT 66" RCP TO 9'x7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL 5--
19. INSTALL NODOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
20. 6-INCH CURB
21. CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
22. MASS GRADE PARCEL 2.36 (FUTURE PARK)
23. CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

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QUANTITIES		PRIVATE	PUBLIC	
DRAINAGE				
1.	60" TYPE III STORM DRAIN MANHOLE	EA	-	17
2.	60" TYPE IA STORM DRAIN MANHOLE	EA	-	1
3.	48" TYPE III STORM DRAIN MANHOLE	EA	-	1
4.	NDOT TYPE 2 DROP INLET	EA	-	6
5.	18" RCP CLASS III STORM DRAIN	LF	-	104
6.	24" RCP CLASS III STORM DRAIN	LF	-	57
7.	36" RCP CLASS III STORM DRAIN	LF	-	30
8.	42" RCP CLASS III STORM DRAIN	LF	-	23
9.	54" RCP CLASS III STORM DRAIN	LF	-	1220
10.	60" RCP CLASS III STORM DRAIN	LF	-	355
11.	66" RCP CLASS III STORM DRAIN	LF	-	884
12.	RIP RAP (D50=6", THICKNESS=12")	CY	-	22
13.				
14.				

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE _____

CITY OF LAS VEGAS, NV



CENTURY
COMMUNITIES

**SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN II**

S12
T19S

DATE: 10/26/2022

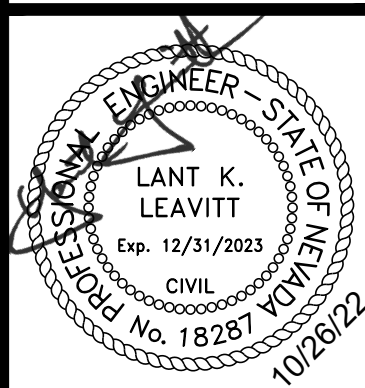
DRAFTER: JA

DESIGNER: LA

QUEVEDO, J.

PROJECT NO.

CEN2018



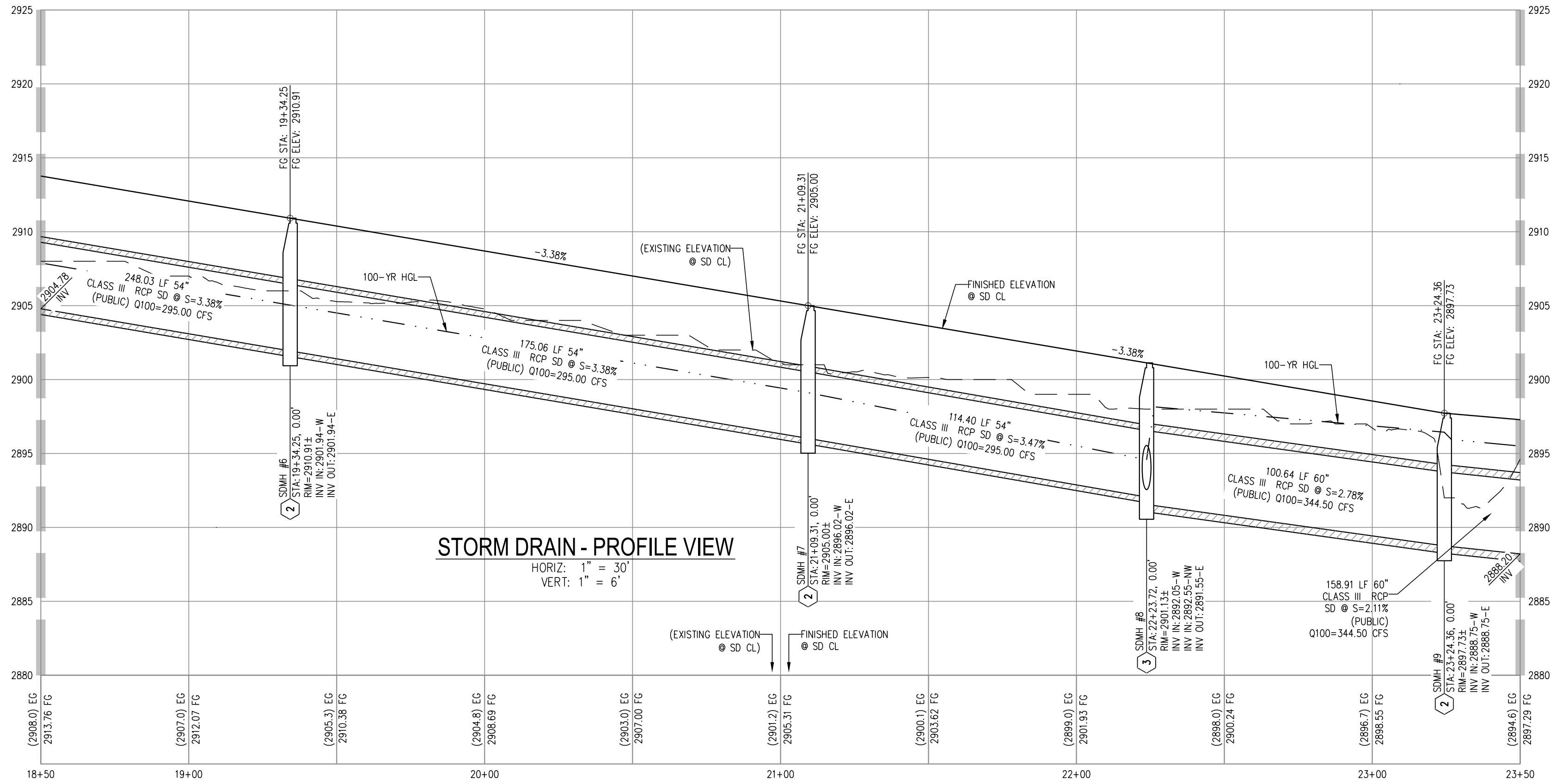
PP-2

SHEET 6 OF 15

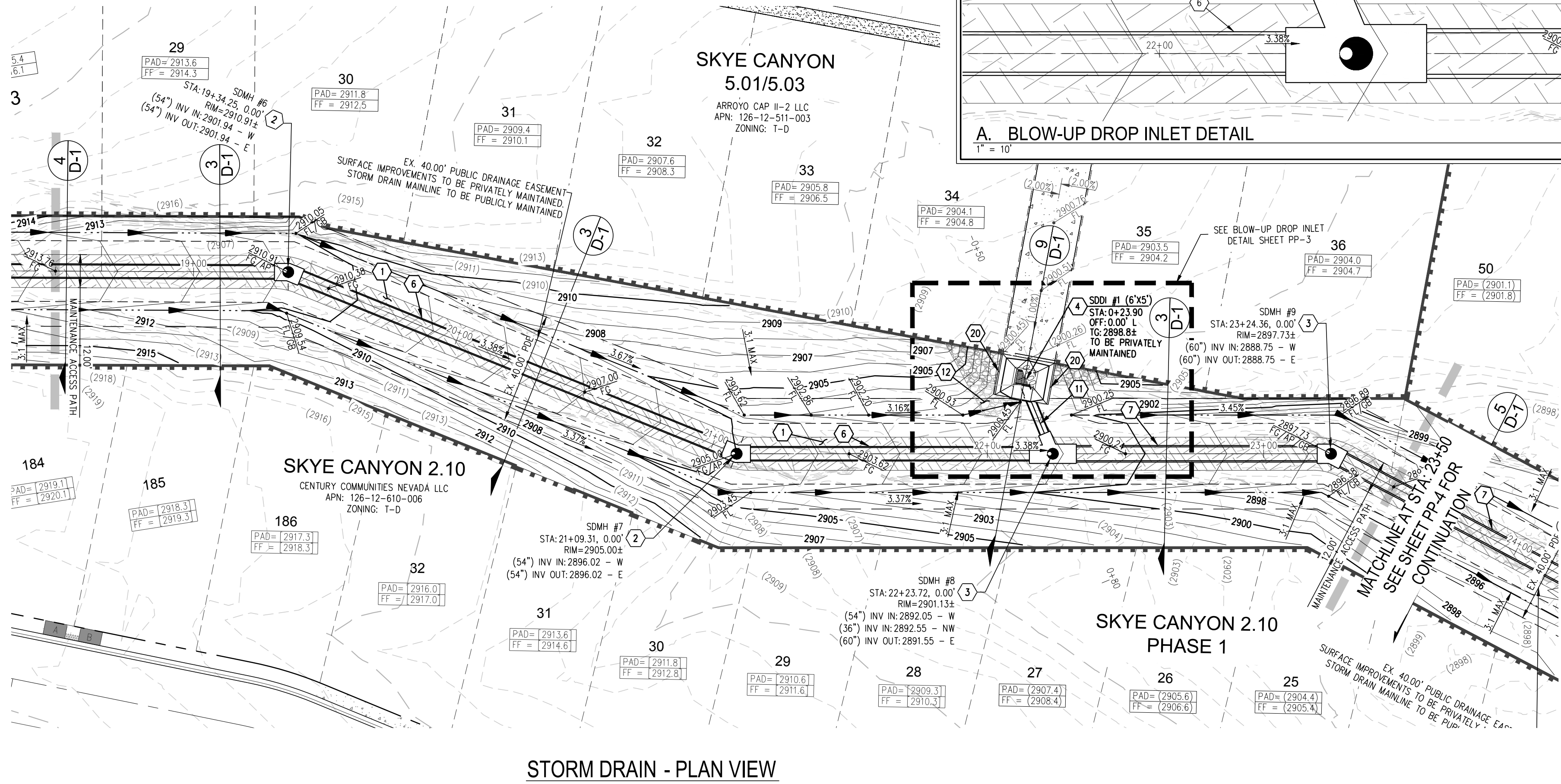
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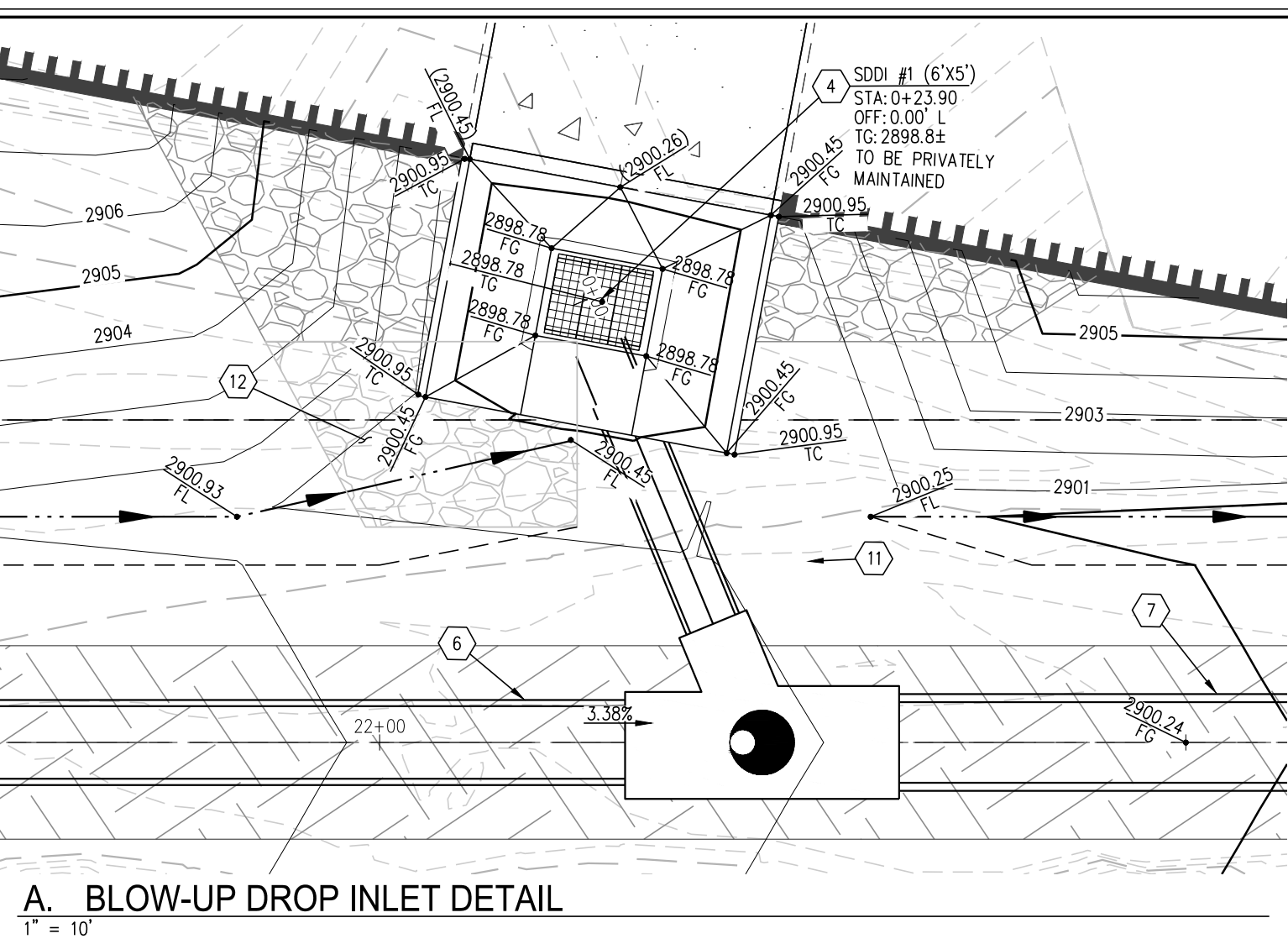
MATCHLINE AT STA: 18+50
SEE SHEET PP-2 FOR
CONTINUATION



MATCHLINE AT STA: 18+50
SEE SHEET PP-2 FOR
CONTINUATION



A. BLOW-UP DROP INLET DETAIL
1" = 10'



LEGEND



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LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

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FLOOD ZONE

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SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/7/21

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FILL= 14,291 CU YDS

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- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- INSTALL 18" CLASS III RCP STORM DRAIN
- INSTALL 54" CLASS III RCP STORM DRAIN
- INSTALL 60" CLASS III RCP STORM DRAIN
- INSTALL 66" CLASS III RCP STORM DRAIN
- CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 36" CLASS III RCP STORM DRAIN
- RESET EXISTING RIP RAP
- INSTALL RIP-RAP (D50=6", THICKNESS = 12")
- INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- INSTALL 42" RCP STORM DRAIN
- INSTALL 24" RCP STORM DRAIN
- CONSTRUCT 66" RCP TO 9'X7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 11 ON SHEET D-2 (SIZE PER PLANS)
- 6-INCH CURB
- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- MASS GRADE PARCEL 2.36 (FUTURE PARK)
- CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA -	17
2. 60" TYPE IA STORM DRAIN MANHOLE	EA -	1
3. 48" TYPE III STORM DRAIN MANHOLE	EA -	1
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6. 24" RCP CLASS III STORM DRAIN	LF -	57
7. 36" RCP CLASS III STORM DRAIN	LF -	30
8. 42" RCP CLASS III STORM DRAIN	LF -	23
9. 54" RCP CLASS III STORM DRAIN	LF -	1220
10. 60" RCP CLASS III STORM DRAIN	LF -	355
11. 66" RCP CLASS III STORM DRAIN	LF -	884
12. RIP RAP (D50=6", THICKNESS=12")	CY -	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287 DATE

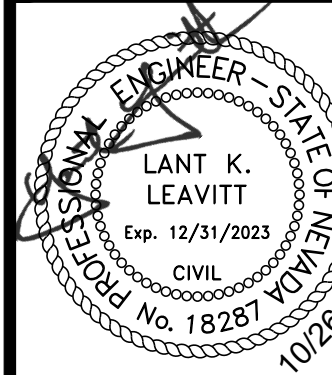
CITY OF LAS VEGAS, NV

CENTURY COMMUNITIES

SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN III

DATE: 10/26/2022
DRAFTER: LA
DESIGNER: LA
CHECKED: LL

PROJECT NO.
CEN2018

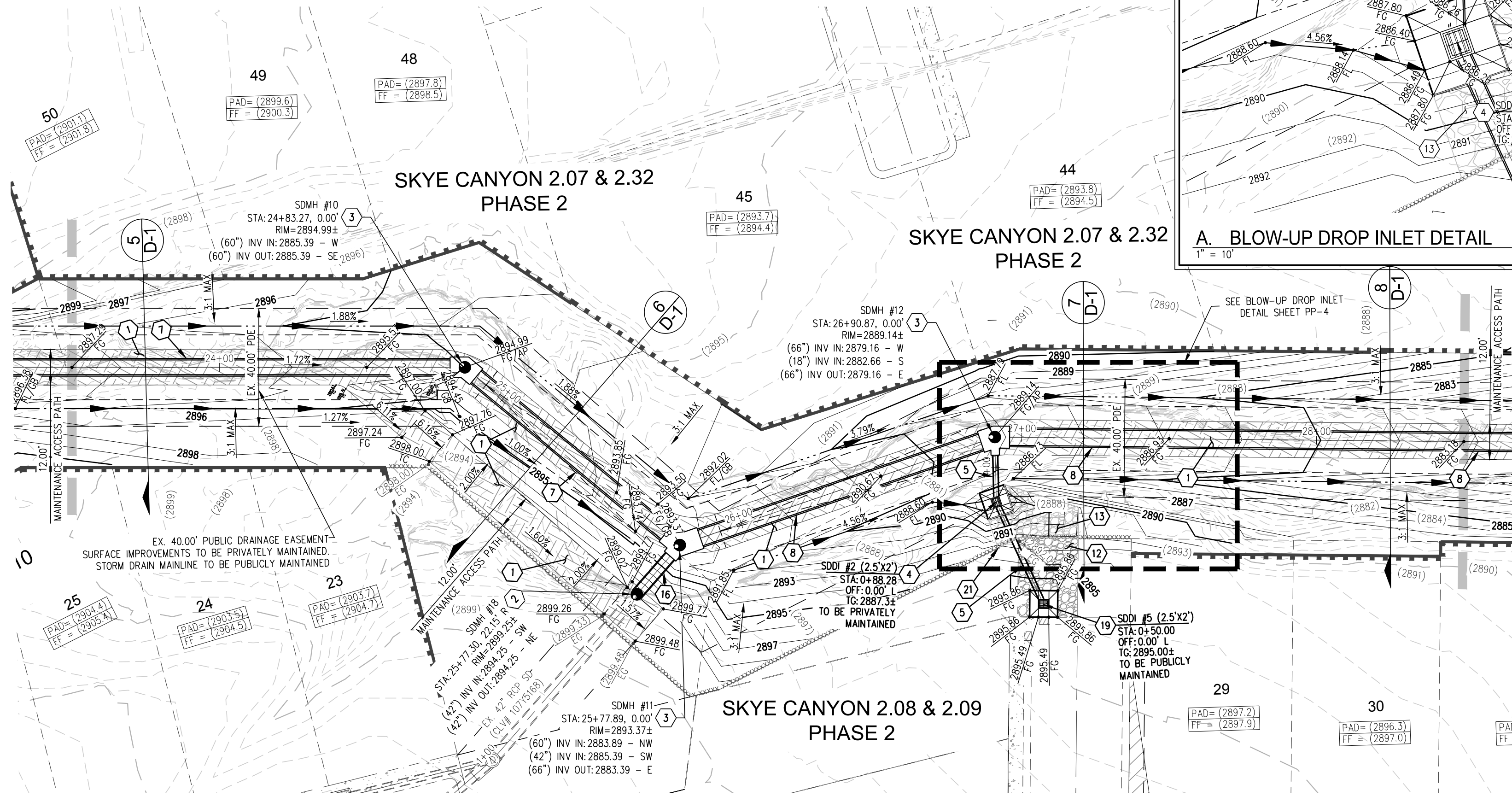


PP-3
SHEET 7 OF 15

Westwood
Phone (702) 284-5300
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
westwoodps.com
Westwood Professional Services, Inc.

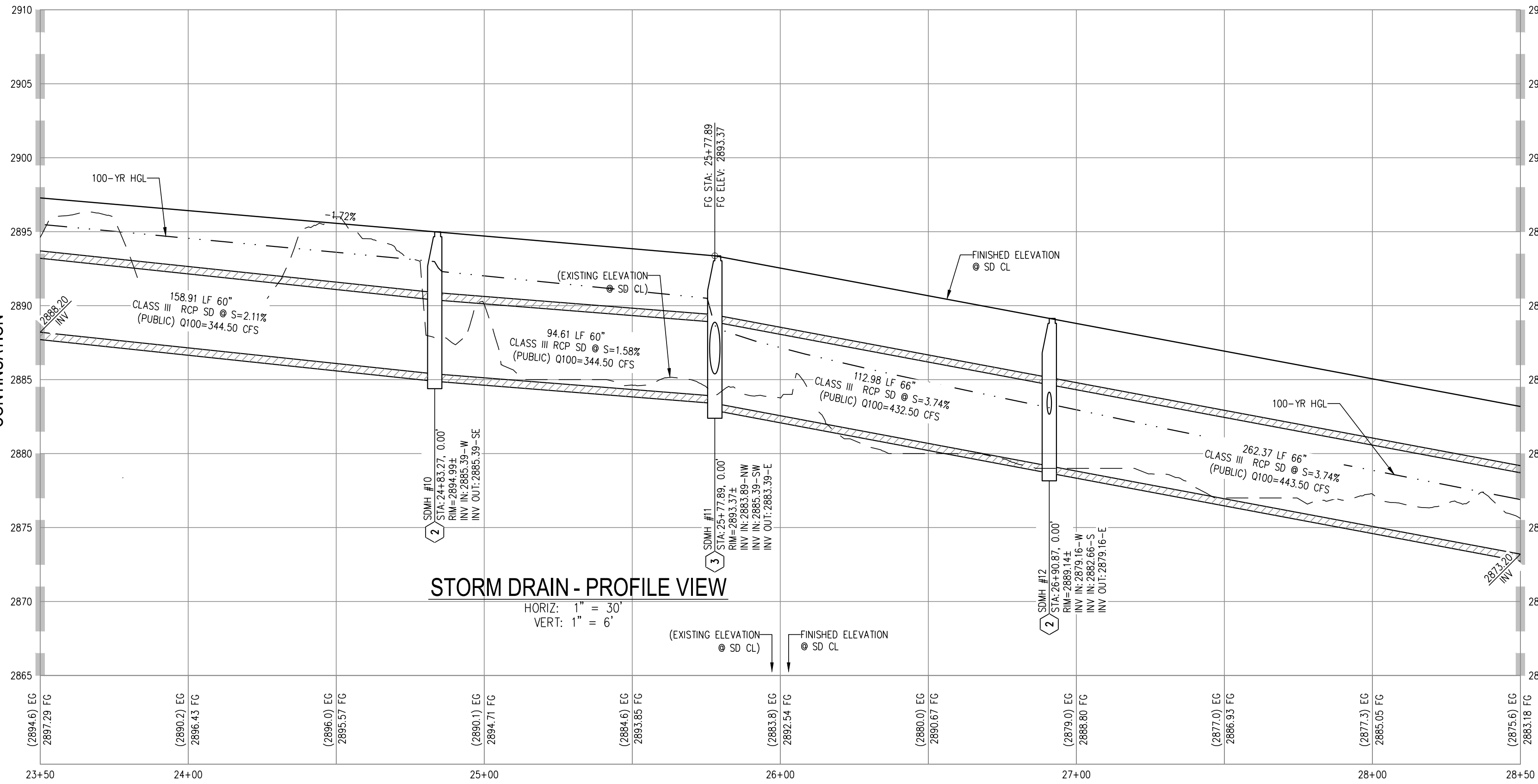
J:\cve2018-c00d\skye north arroyo storm drain.dwg(J:\cve2018-c00d\skye north arroyo storm drain.dwg) 10/26/2022 2:05 PM Abel Garcia Morales

MATCHLINE AT STA: 23+50
SEE SHEET PP-3 FOR
CONTINUATION



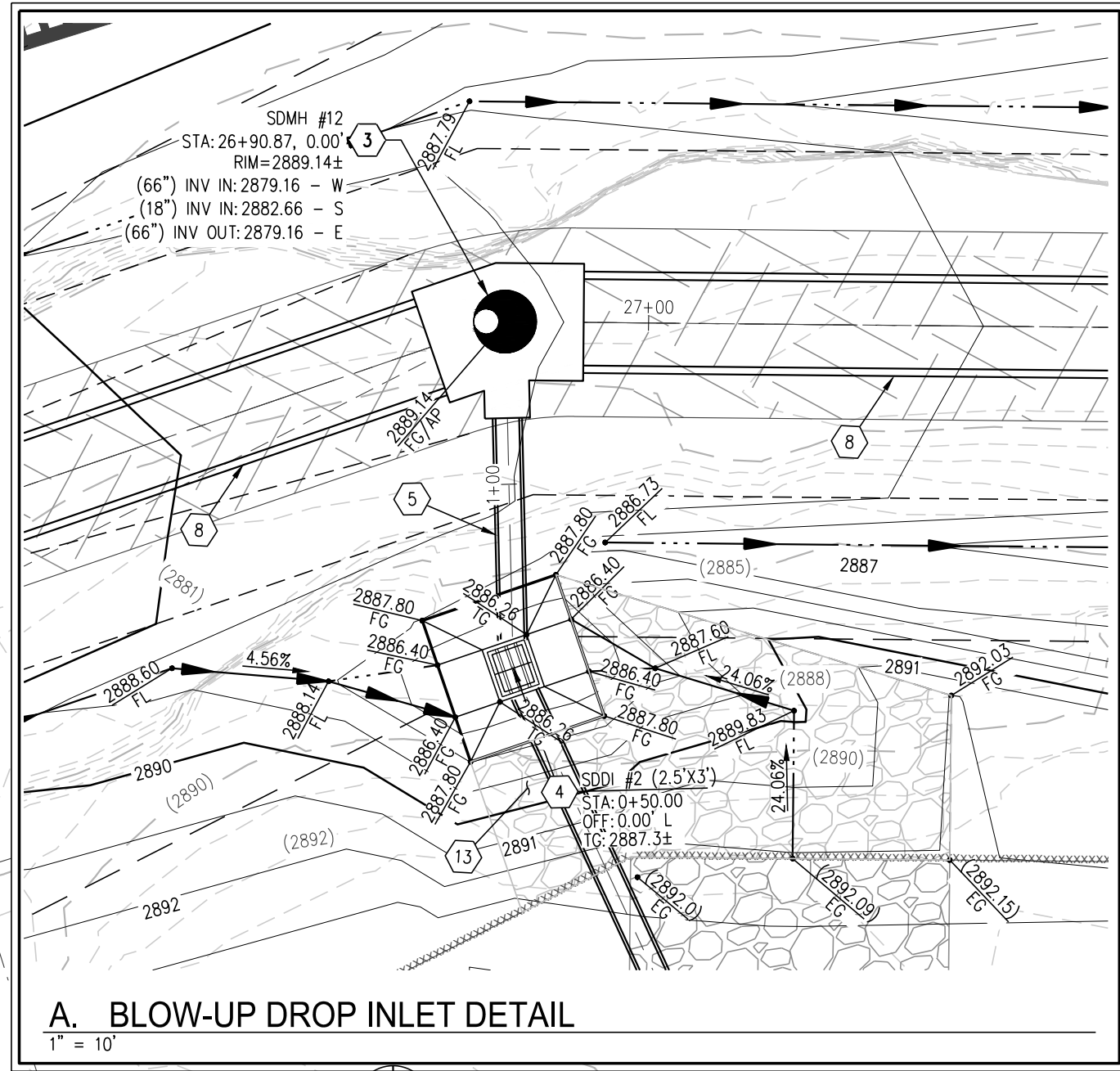
STORM DRAIN - PLAN VIEW

MATCHLINE AT STA: 23+50
SEE SHEET PP-3 FOR
CONTINUATION



STORM DRAIN - PROFILE VIEW

MATCHLINE AT STA: 28+50
SEE SHEET PP-5 FOR
CONTINUATION



A. BLOW-UP DROP INLET DETAIL

LEGEND



DISCLAIMER NOTE

- EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED UP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GRADING NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
- ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
- MAXIMUM/MINIMUM SLOPES NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
- ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
- CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CITY OF LAS VEGAS BUILDING DEPARTMENT.
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEERS OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLENISHING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
- NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

- 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 ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY 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.
- 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 SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- 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 NVRI00000, SECTION III.A.5.
- 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 ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR 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 SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION III.A.12.
- ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

FLOOD ZONE

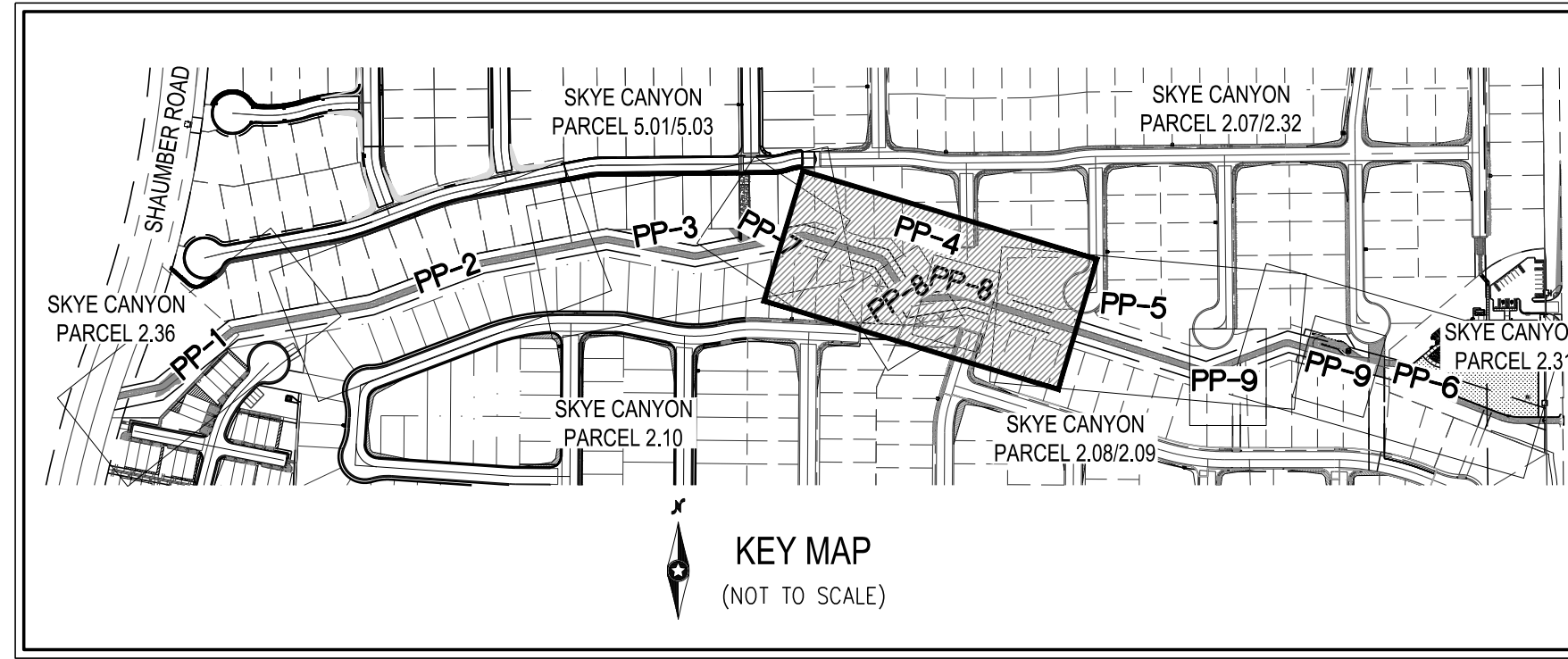
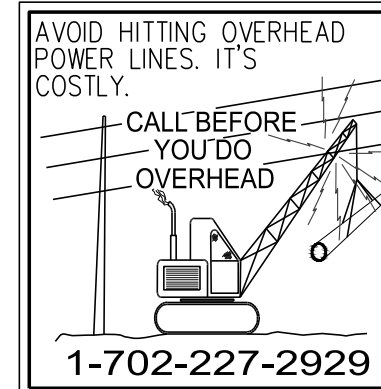
THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 320030750C, DATED SEPTEMBER 27, 2002. A ZONE X (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.38C-LVR DATED 7/7/21

EARTHWORKS

EARTHWORK QUANTITIES (RAW):
CUT= 2,394 CU YDS
FILL= 14,291 CU YDS
EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.



KEY MAP
(NOT TO SCALE)

CONSTRUCTION NOTES

- CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
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- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
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- 6-INCH CURB
- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
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SURVEY NOTE

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	PRIVATE	PUBLIC
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9. 54" RCP CLASS III STORM DRAIN	LF -	1220
10. 60" RCP CLASS III STORM DRAIN	LF -	355
11. 66" RCP CLASS III STORM DRAIN	LF -	884
12. RIP RAP (D50=6", THICKNESS=12")	CY -	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE

Westwood
Phone (702) 284-5300
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
westwoodps.com
Westwood Professional Services, Inc.

DATE	BY	APP.
DESCRIPTION	NO.	

CITY OF LAS VEGAS, NV

CENTURY
COMMUNITIES

SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN IV

512
1185
1895

DATE: 10/26/2022

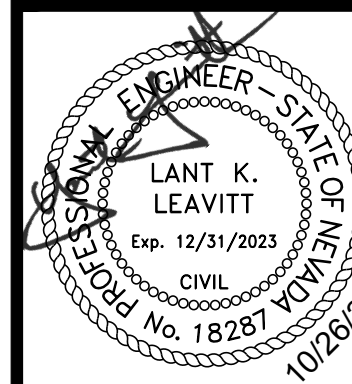
DRAFTER: LA

DESIGNER: LA

CHECKED: LL

PROJECT NO.

CEN2018

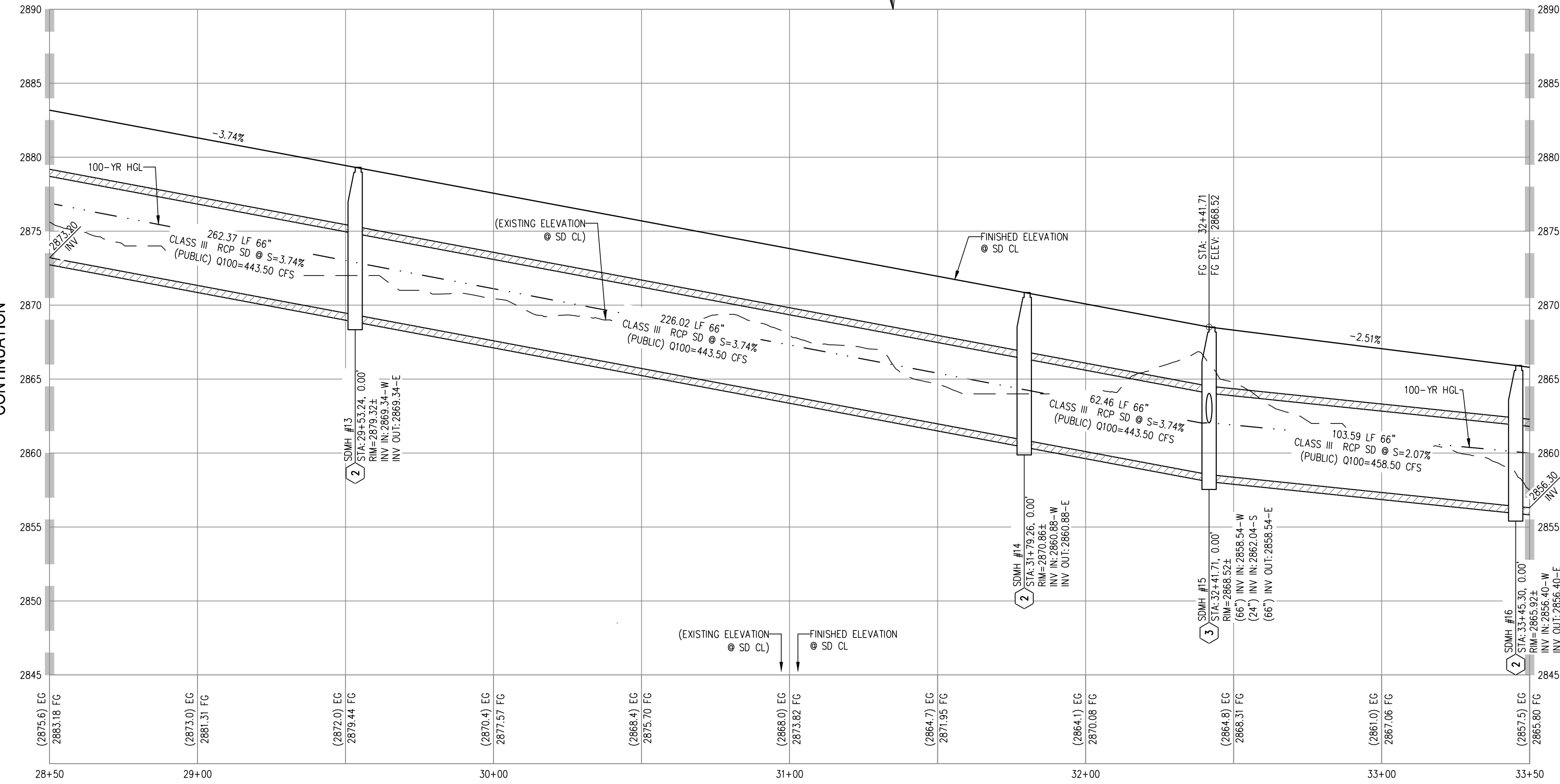


PP-4

SHEET 8 OF 15

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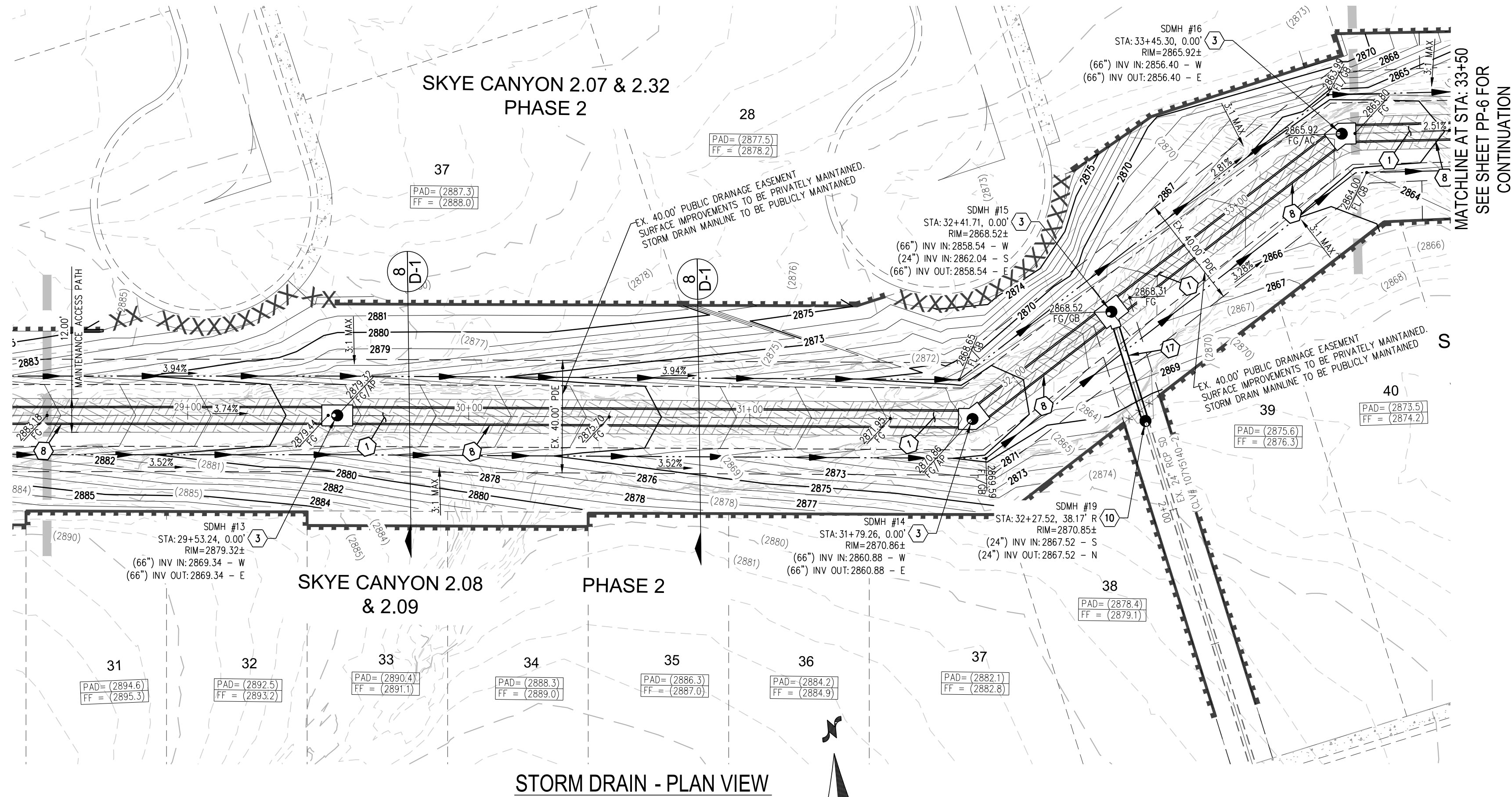
MATCHLINE AT STA: 28+50
SEE SHEET PP-4 FOR
CONTINUATION



STORM DRAIN - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'

MATCHLINE AT STA: 28+50
SEE SHEET PP-4 FOR
CONTINUATION



STORM DRAIN - PLAN VIEW

MATCHLINE AT STA: 33+50
SEE SHEET PP-6 FOR
CONTINUATION

MATCHLINE AT STA: 33+50
SEE SHEET PP-6 FOR
CONTINUATION

LEGEND



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LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

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FLOOD ZONE

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 320030750C, DATED SEPTEMBER 27, 2002. A ZONE X (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

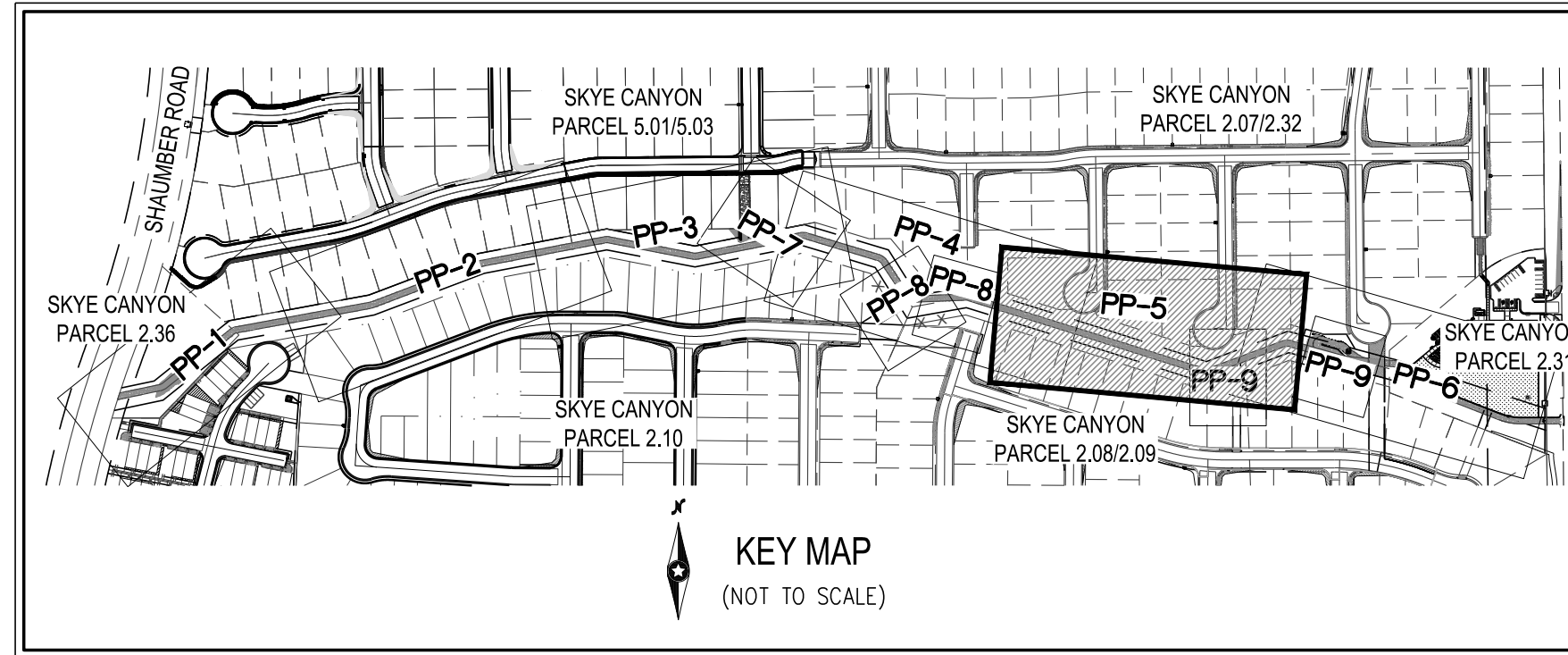
SOILS REPORT

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.39C-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.39C-LVR DATED 7/7/21

EARTHWORKS

EARTHWORK QUANTITIES (RAW):
CUT= 2,394 CU YDS
FILL= 14,281 CU YDS

EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.



CONSTRUCTION NOTES

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- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 405.2
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- RESET EXISTING RIP RAP
- INSTALL RIP-RAP (D50=6", THICKNESS = 12")
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- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- MASS GRADE PARCEL 2.36 (FUTURE PARK)
- CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

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QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA -	17
2. 60" TYPE IA STORM DRAIN MANHOLE	EA -	1
3. 48" TYPE III STORM DRAIN MANHOLE	EA -	1
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10. 60" RCP CLASS III STORM DRAIN	LF -	355
11. 66" RCP CLASS III STORM DRAIN	LF -	884
12. RIP RAP (D50=6", THICKNESS=12")	CY -	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE

CITY OF LAS VEGAS, NV



SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN V

512

1185

DATE: 10/26/2022

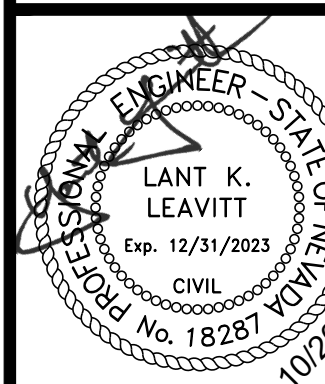
DRAFTER: LA

DESIGNER: LA

CHECKED: LL

PROJECT NO.

CEN2018



PP-5

SHEET 9 OF 15

Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118

Phone (702) 284-5300

westwoodps.com
Westwood Professional Services, Inc.



- 1) CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
- 2) INSTALL 60" TYPE I STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
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- 9) CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET 5-#
- 10) INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- 11) INSTALL 36" CLASS III RCP STORM DRAIN
- 12) RESET EXISTING RIP RAP
- 13) INSTALL RIP-RAP ("D50=6", THICKNESS = 12")
- 14) INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- 15) INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- 16) INSTALL 42" RCP STORM DRAIN
- 17) INSTALL 24" RCP STORM DRAIN
- 18) CONSTRUCT 66" RCP TO 9'x7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL 5-#
- 19) INSTALL 180" TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- 20) 6-INCH CURB
- 21) CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- 22) MASS GRADE PARCEL 2.36 (FUTURE PARK)
- 23) CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

PEDESTRIAN AND MAINTENANCE
ACCESS PATH

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LINE OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
2. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
3. MAXIMUM/MINIMUM SLOPES NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
4. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
5. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CITY OF LAS VEGAS BUILDING DEPARTMENT.
6. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLACING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
7. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SPECIFIED SLOPE ZONES.

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

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 BE EXPOSED TO THE ADJACENT NAVADO STORMWATER CHANNEL. THE REMOVAL OF SUCH MATERIALS SHALL BE 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 OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS FEASIBLE. ANY TEMPORARY OR PERMANENT STABILIZATION PRACTICES OR ANY OTHER ACTIVITY ON ANY PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NAVADO STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV1000000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS UNDER CONSTRUCTION OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STABILIZATION PRACTICES AND/OR STABILIZATION MATERIALS AS NECESSARY. ADDITIONAL INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES, REFER TO THE NAVADO STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV1000000, 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, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 32003C1750E, DATED SEPTEMBER 27, 2002. A ZONE : (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC

PROJECT NO. 12203.3BC-LVR DATED 7/1/20

UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC

PROJECT NO. 12203.3BC-LVR DATED 7/7/21

EARTHWORKS

EARTHWORK QUANTITIES (RAW):

CUT= 2,394 CU YDS

FILL= 14,281 CU YDS

EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPLICENSED DISPOSAL FACILITY OR AT A SITE WITH AN ACTIVE GRADING PERMIT.



Westwood

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Westwood Professional Services, Inc.

CITY OF LAS VEGAS, NV



CENTURY
COMMUNITIES

**SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN VI**

S12
T106

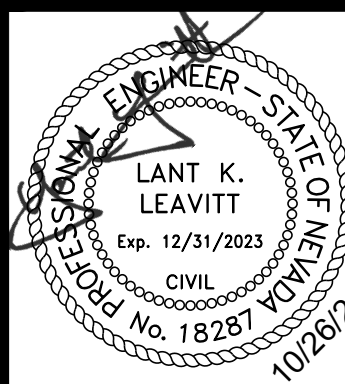
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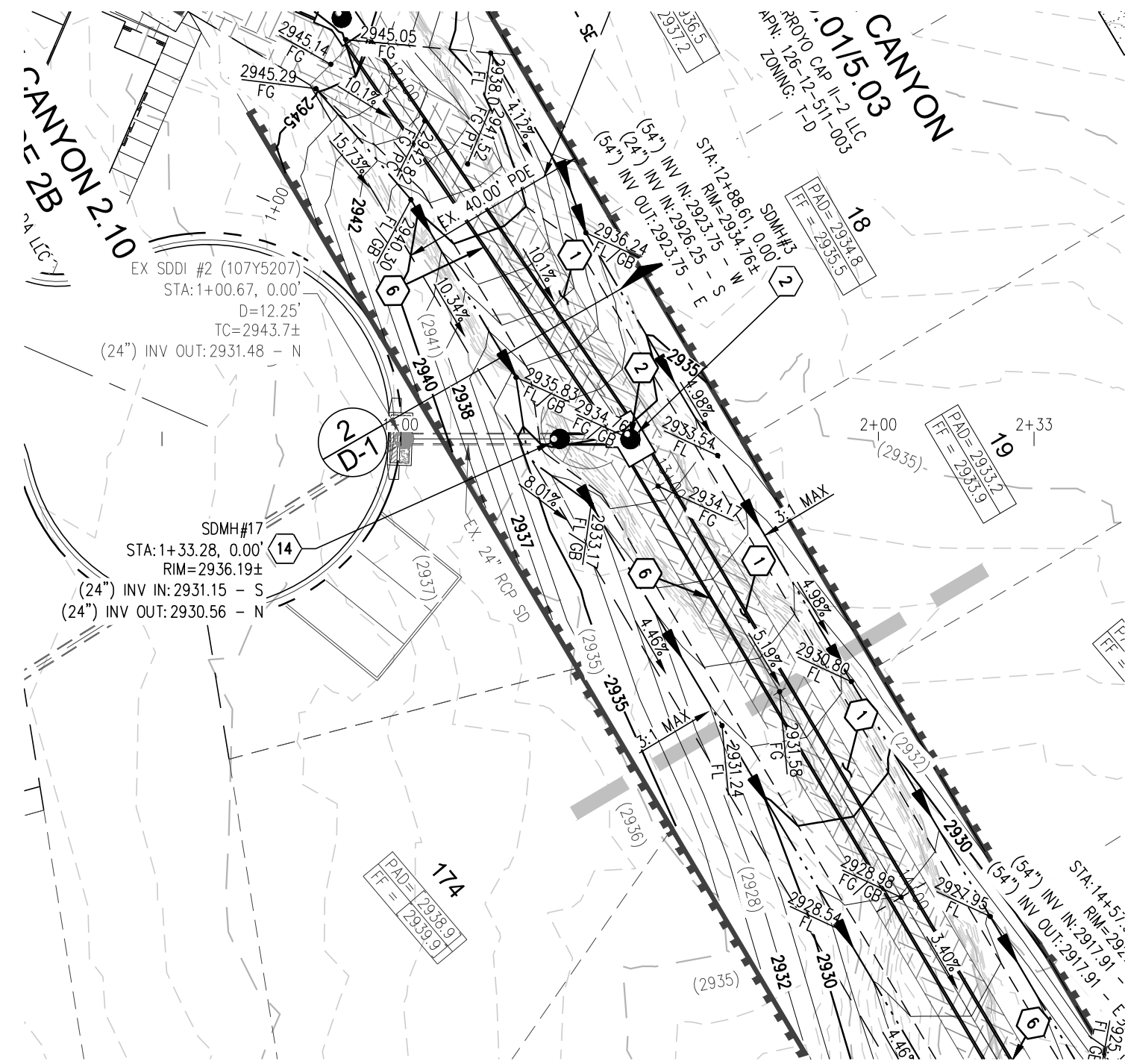
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PROJECT NO.
CEN2018

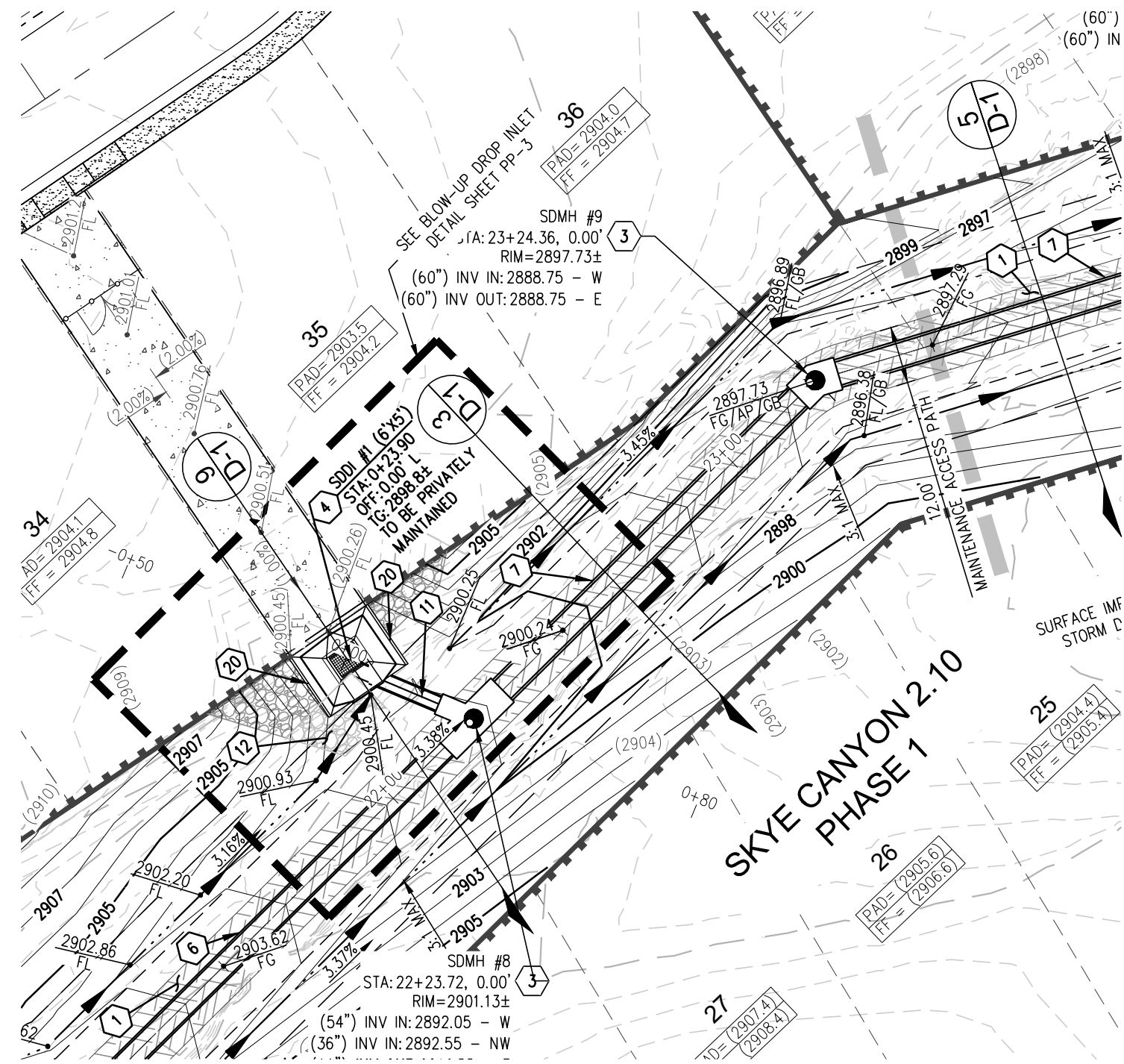


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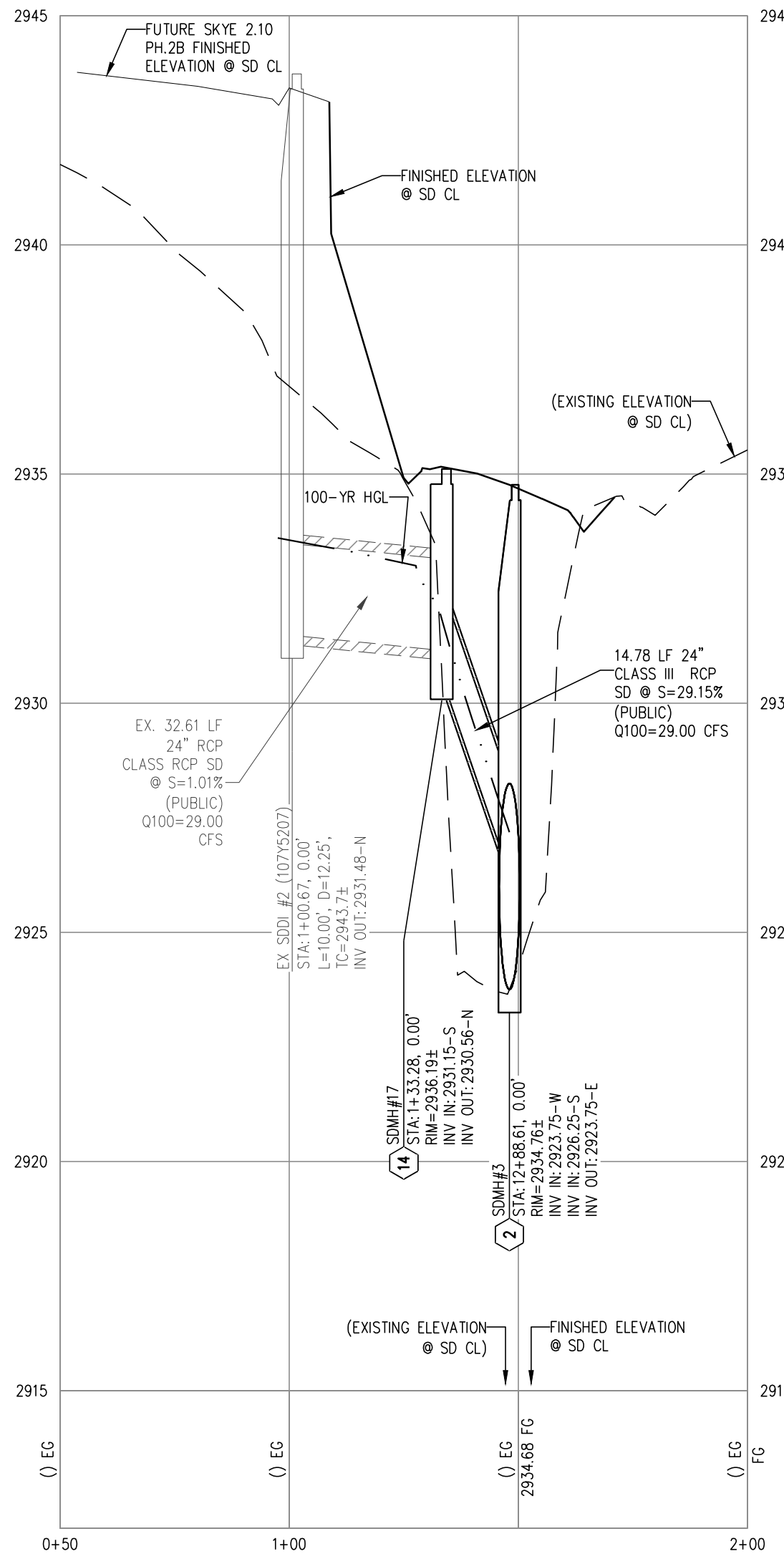
SHEET 10 OF 15



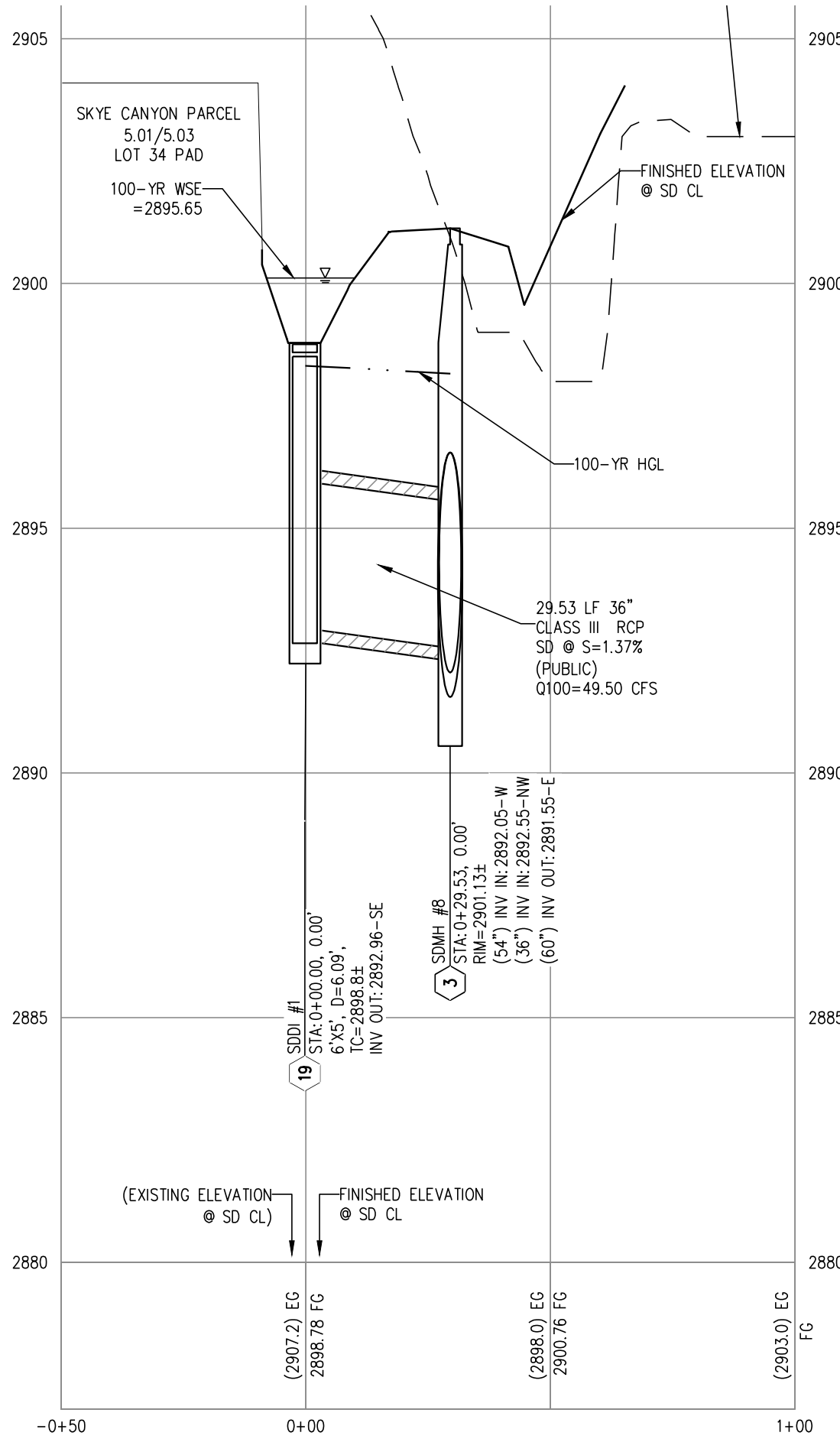
STORM DRAIN LATERAL #1 - PLAN VIEW



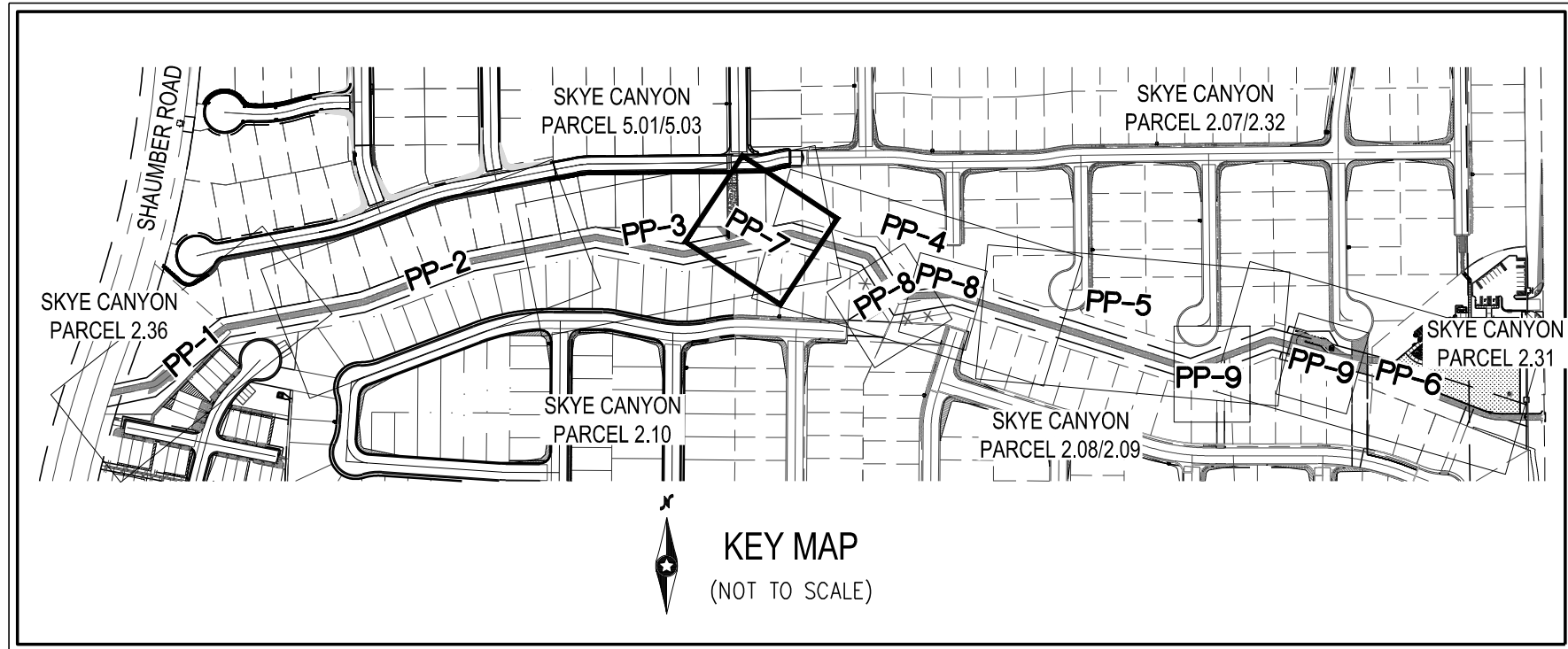
STORM DRAIN LATERAL #2 - PLAN VIEW



STORM DRAIN LATERAL #1 - PROFILE VIEW



STORM DRAIN LATERAL #2 - PROFILE VIEW



KEY MAP
(NOT TO SCALE)

LEGEND

- PEDESTRIAN AND MAINTENANCE ACCESS PATH

DISCLAIMER NOTE

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GRADING NOTES

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LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

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- 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 SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- 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 NVR100000, SECTION III.A.5.
- 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 ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR 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 SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
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FLOOD ZONE

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 3200303750E, DATED SEPTEMBER 27, 2002. A ZONE (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

CONSTRUCTION NOTES

- CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- INSTALL 18" CLASS III RCP STORM DRAIN
- INSTALL 54" CLASS III RCP STORM DRAIN
- INSTALL 60" CLASS III RCP STORM DRAIN
- INSTALL 66" CLASS III RCP STORM DRAIN
- CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 36" CLASS III RCP STORM DRAIN
- RESET EXISTING RIP RAP
- INSTALL RIP-RAP (D50=6", THICKNESS = 12")
- INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- INSTALL 42" RCP STORM DRAIN
- INSTALL 24" RCP STORM DRAIN
- CONSTRUCT 66" RCP TO 9'X7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 11 ON SHEET D-2 (SIZE PER PLANS)
- 6-INCH CURB
- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- MASS GRADE PARCEL 2.36 (FUTURE PARK)
- CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA -	17
2. 60" TYPE IA STORM DRAIN MANHOLE	EA -	1
3. 48" TYPE III STORM DRAIN MANHOLE	EA -	1
4. NDOT TYPE 2 DROP INLET	EA -	6
5. 18" RCP CLASS III STORM DRAIN	LF -	104
6. 24" RCP CLASS III STORM DRAIN	LF -	57
7. 36" RCP CLASS III STORM DRAIN	LF -	30
8. 42" RCP CLASS III STORM DRAIN	LF -	23
9. 54" RCP CLASS III STORM DRAIN	LF -	1220
10. 60" RCP CLASS III STORM DRAIN	LF -	355
11. 66" RCP CLASS III STORM DRAIN	LF -	884
12. RIP RAP (D50=6", THICKNESS=12")	CY -	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287 DATE

SOILS REPORT

SOILS REPORT BY GEOTEK RESIDENTIAL, LLC

PROJECT NO. 12203.38C-LVR DATED 7/1/20

UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC

PROJECT NO. 12203.38C-LVR DATED 7/7/21

EARTHWORKS

EARTHWORK QUANTITIES (RAW):

CUT= 2,394 CU YDS

FILL= 14,281 CU YDS

EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.



Westwood

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westwoodps.com

Westwood Professional Services, Inc.

CITY OF LAS VEGAS, NV



SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN LATERALS I

DATE:

10/26/2022

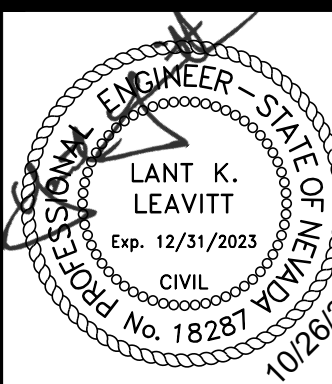
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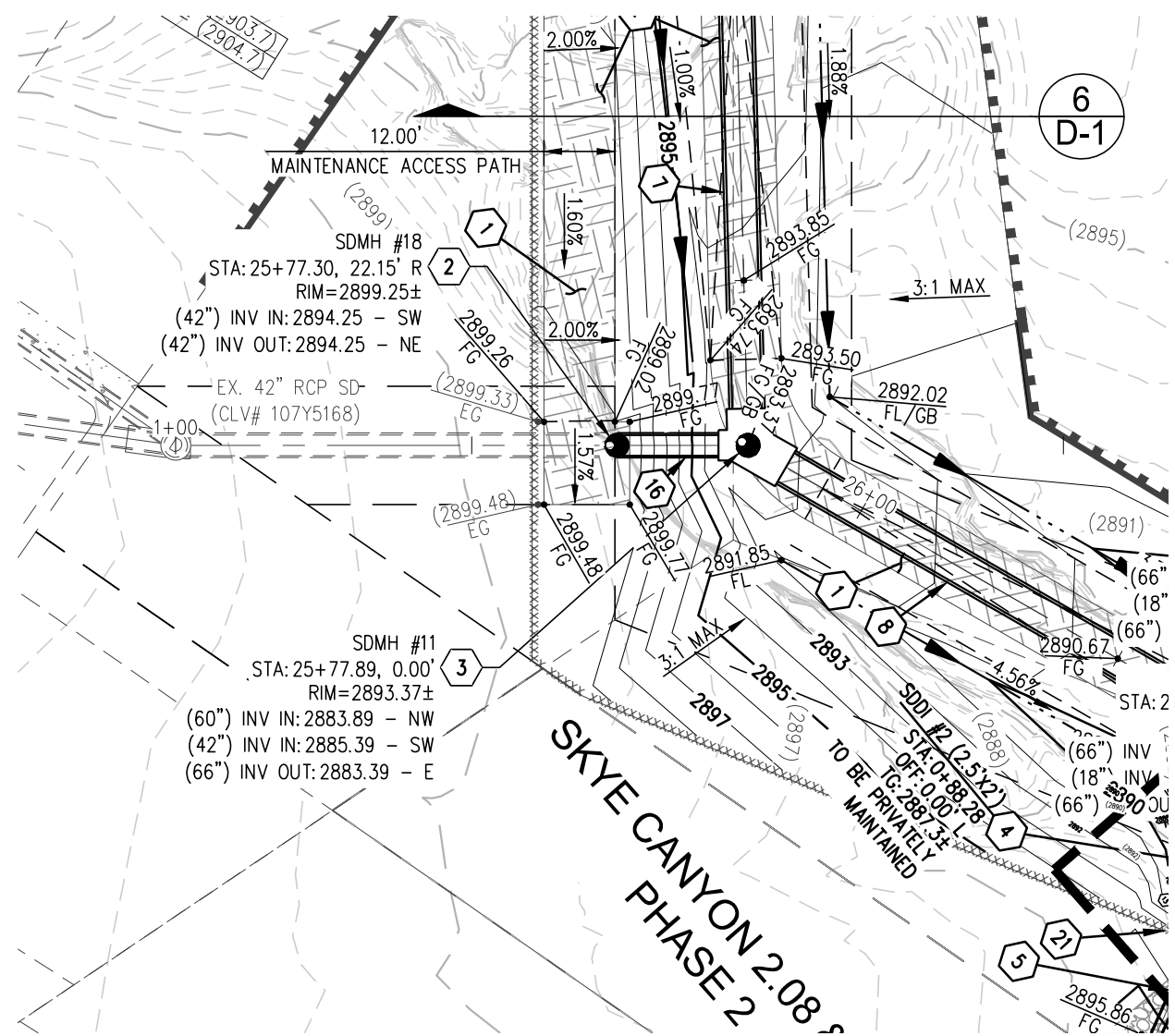
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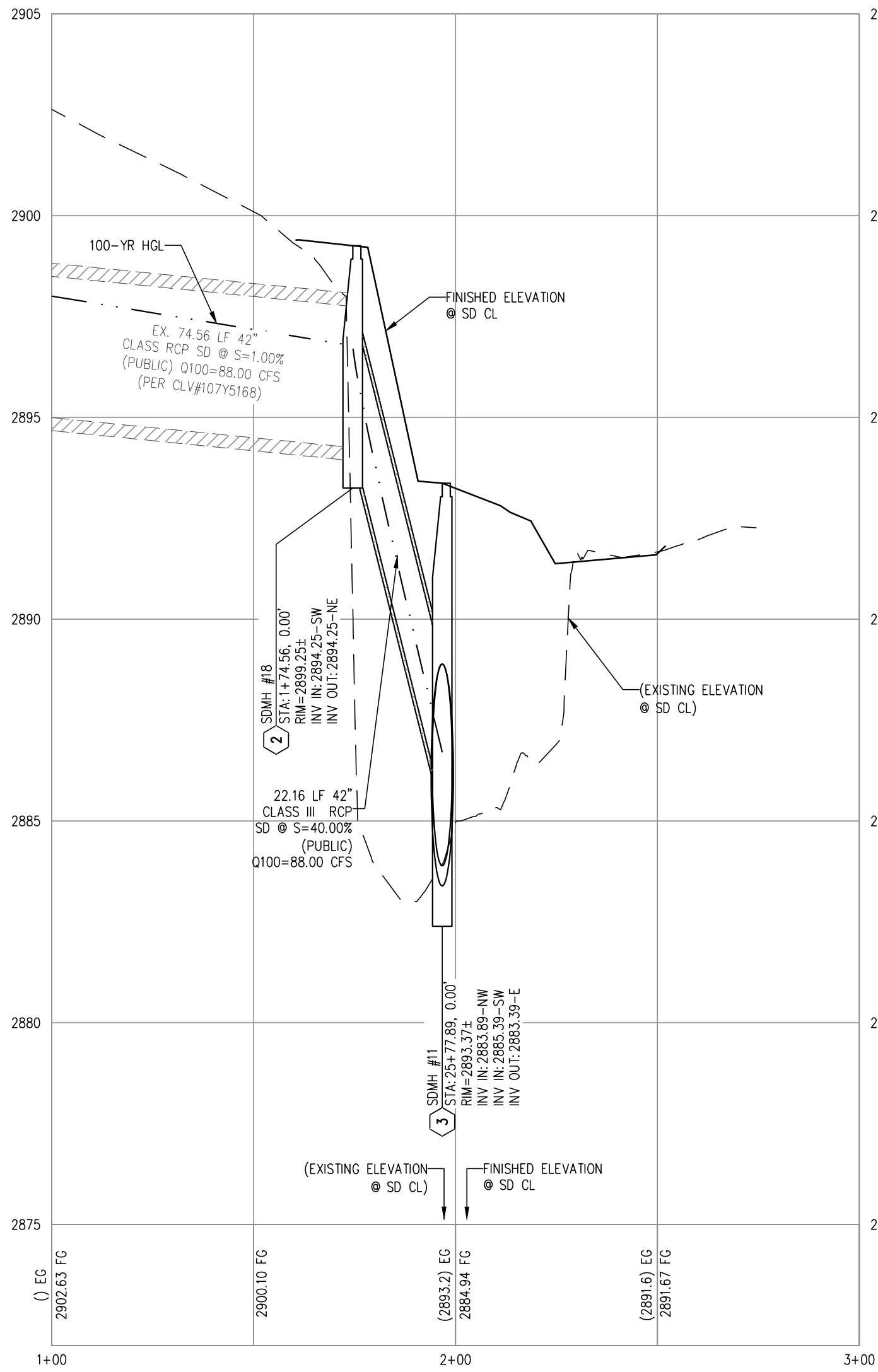


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SHEET 11 OF 15

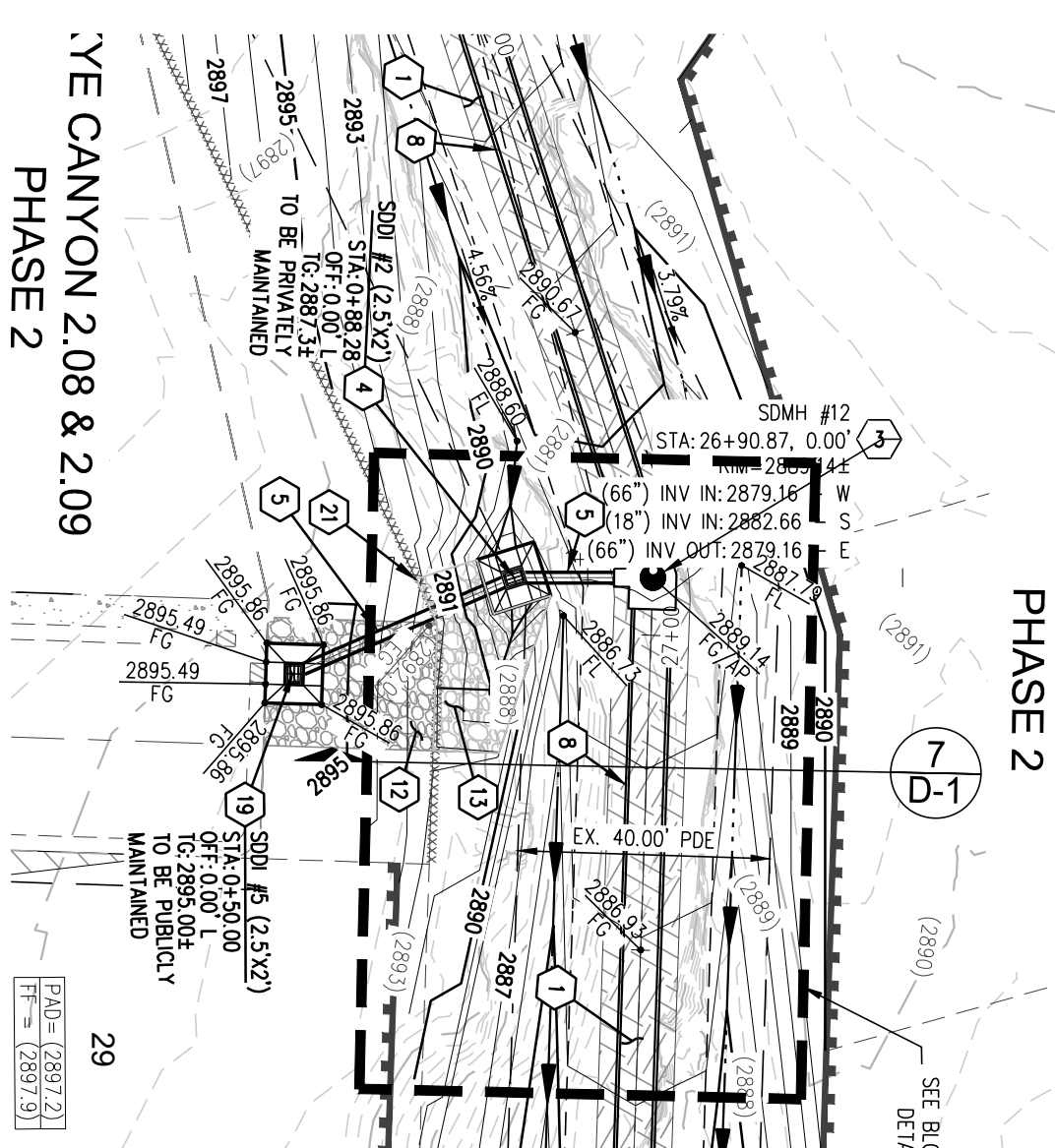


STORM DRAIN LATERAL #3 - PLAN VIEW

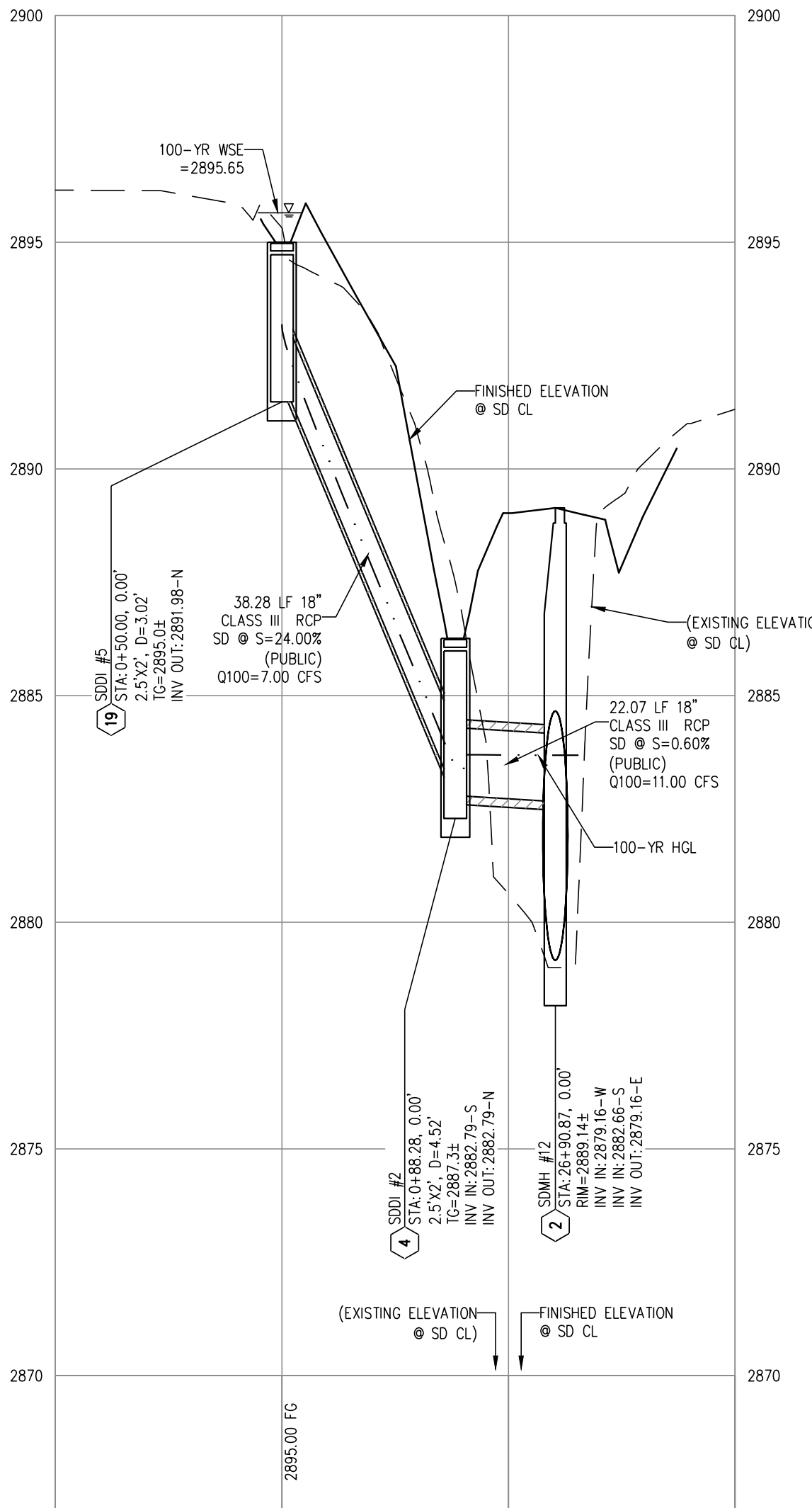


STORM DRAIN LATERAL #3 - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 3'

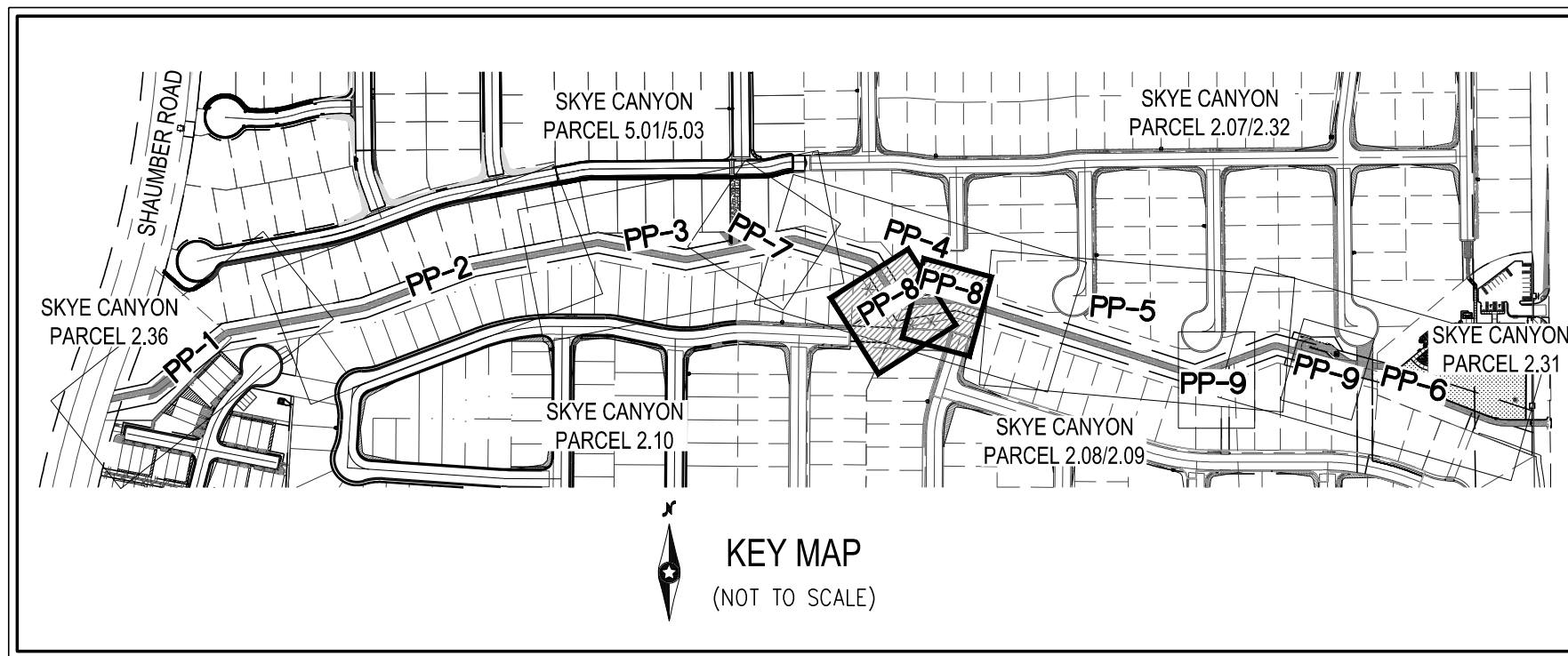


STORM DRAIN LATERAL #4 - PLAN VIEW



STORM DRAIN LATERAL #4 - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 3'



KEY MAP
(NOT TO SCALE)

LEGEND

PEDESTRIAN AND MAINTENANCE ACCESS PATH

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GRADING NOTES

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LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

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FLOOD ZONE

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SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.39C-LVR DATED 7/1/20
UPDATED SOILS REPORT BY GEOTEK RESIDENTIAL, LLC
PROJECT NO. 12203.39C-LVR DATED 7/7/21

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EXPORTED MATERIAL TO BE DISPOSED OF AT AN APPROVED LICENSED DISPOSAL FACILITY OR AT A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.



CONSTRUCTION NOTES

- CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
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- INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- INSTALL 18" CLASS III RCP STORM DRAIN
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- INSTALL 60" CLASS III RCP STORM DRAIN
- INSTALL 66" CLASS III RCP STORM DRAIN
- CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET S-#
- INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- INSTALL 36" CLASS III RCP STORM DRAIN
- RESET EXISTING RIP RAP
- INSTALL RIP-RAP (D50=6", THICKNESS = 12")
- INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- INSTALL 42" RCP STORM DRAIN
- INSTALL 24" RCP STORM DRAIN
- CONSTRUCT 66" RCP TO 9'X7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL S-#
- INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 11 ON SHEET D-2 (SIZE PER PLANS)
- 6-INCH CURB
- CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- MASS GRADE PARCEL 2.36 (FUTURE PARK)
- CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBLITERATED DURING CONSTRUCTION.

QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA -	17
2. 60" TYPE IA STORM DRAIN MANHOLE	EA -	1
3. 48" TYPE III STORM DRAIN MANHOLE	EA -	1
4. NDOT TYPE 2 DROP INLET	EA -	6
5. 18" RCP CLASS III STORM DRAIN	LF -	104
6. 24" RCP CLASS III STORM DRAIN	LF -	57
7. 36" RCP CLASS III STORM DRAIN	LF -	30
8. 42" RCP CLASS III STORM DRAIN	LF -	23
9. 54" RCP CLASS III STORM DRAIN	LF -	1220
10. 60" RCP CLASS III STORM DRAIN	LF -	355
11. 66" RCP CLASS III STORM DRAIN	LF -	884
12. RIP RAP (D50=6", THICKNESS=12")	CY -	22
13.		
14.		

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE

CITY OF LAS VEGAS, NV

CENTURY COMMUNITIES

SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN LATERALS II

DATE: 10/26/2022

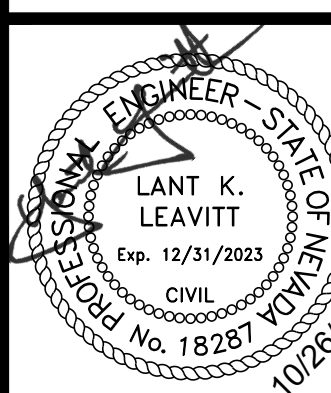
DRAFTER: LA

DESIGNER: LA

CHECKED: LL

PROJECT NO.

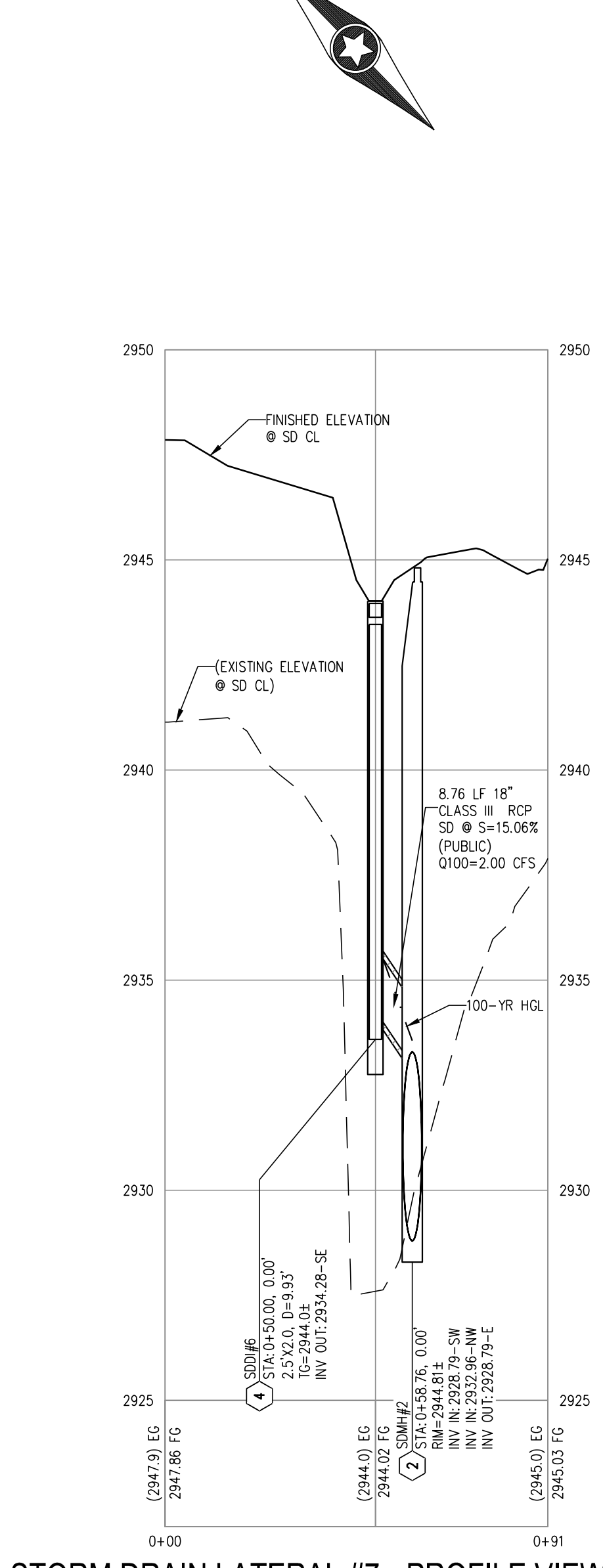
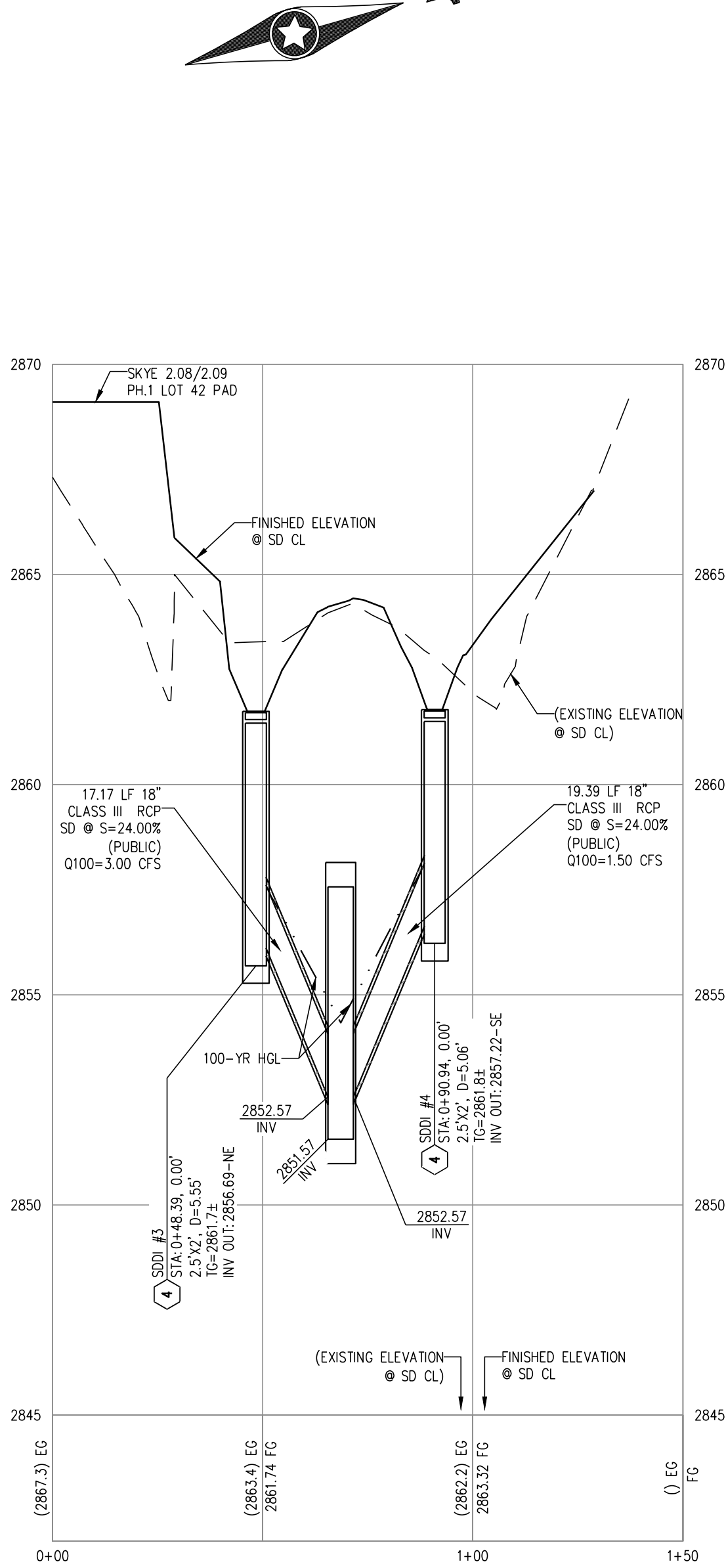
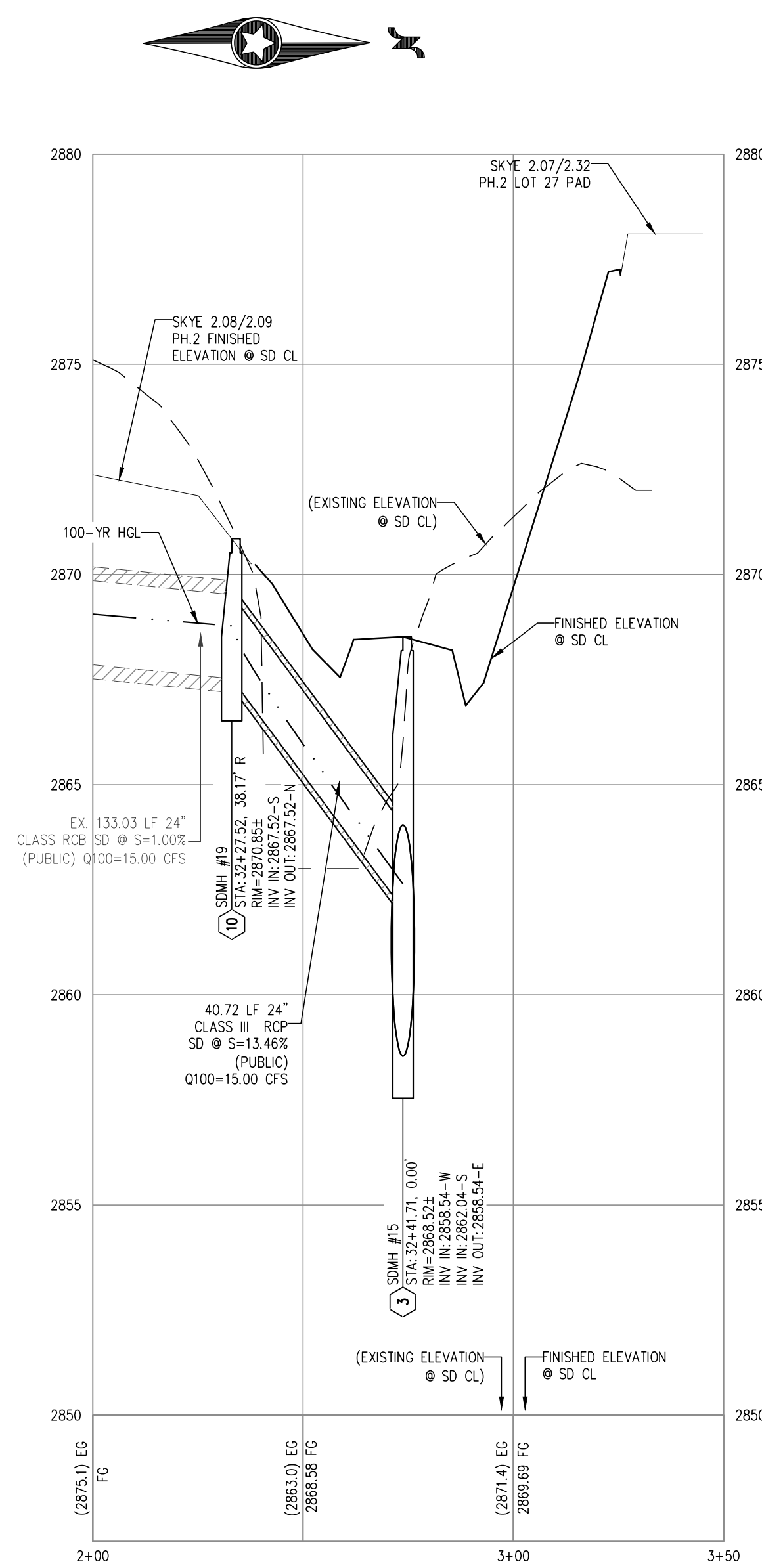
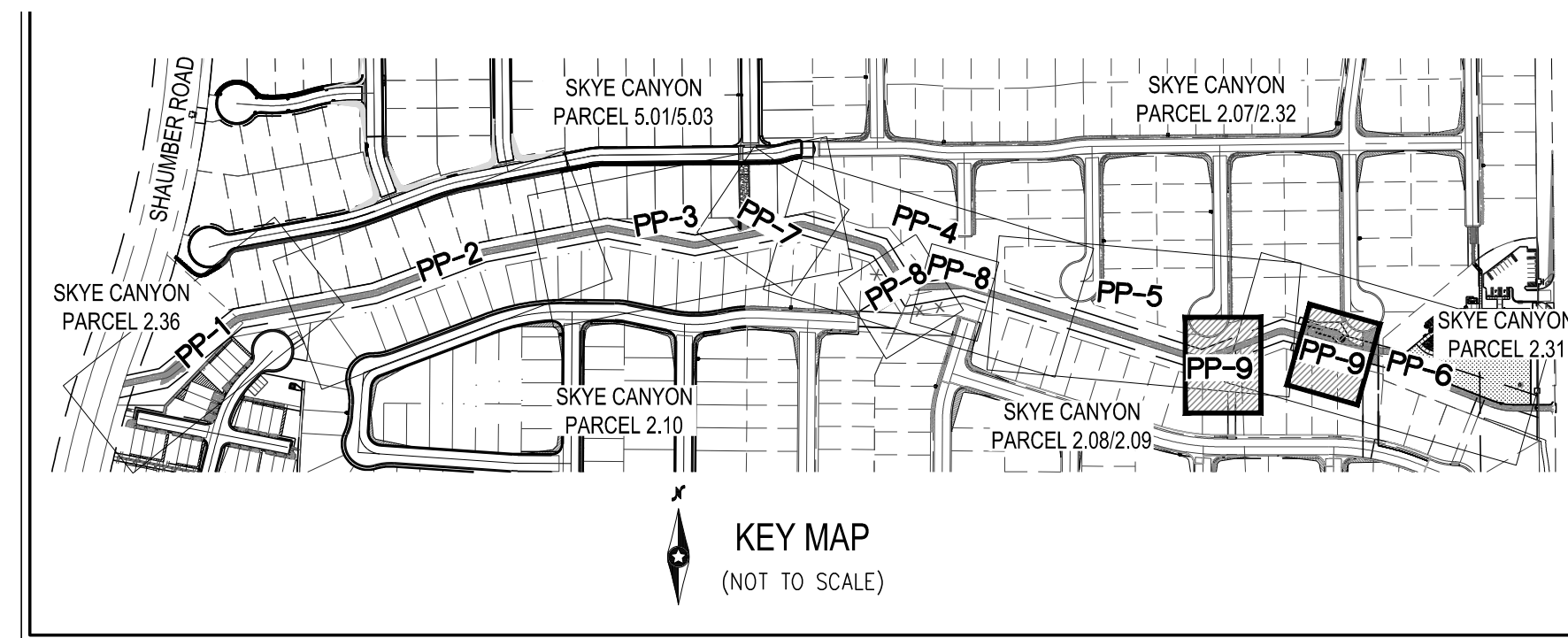
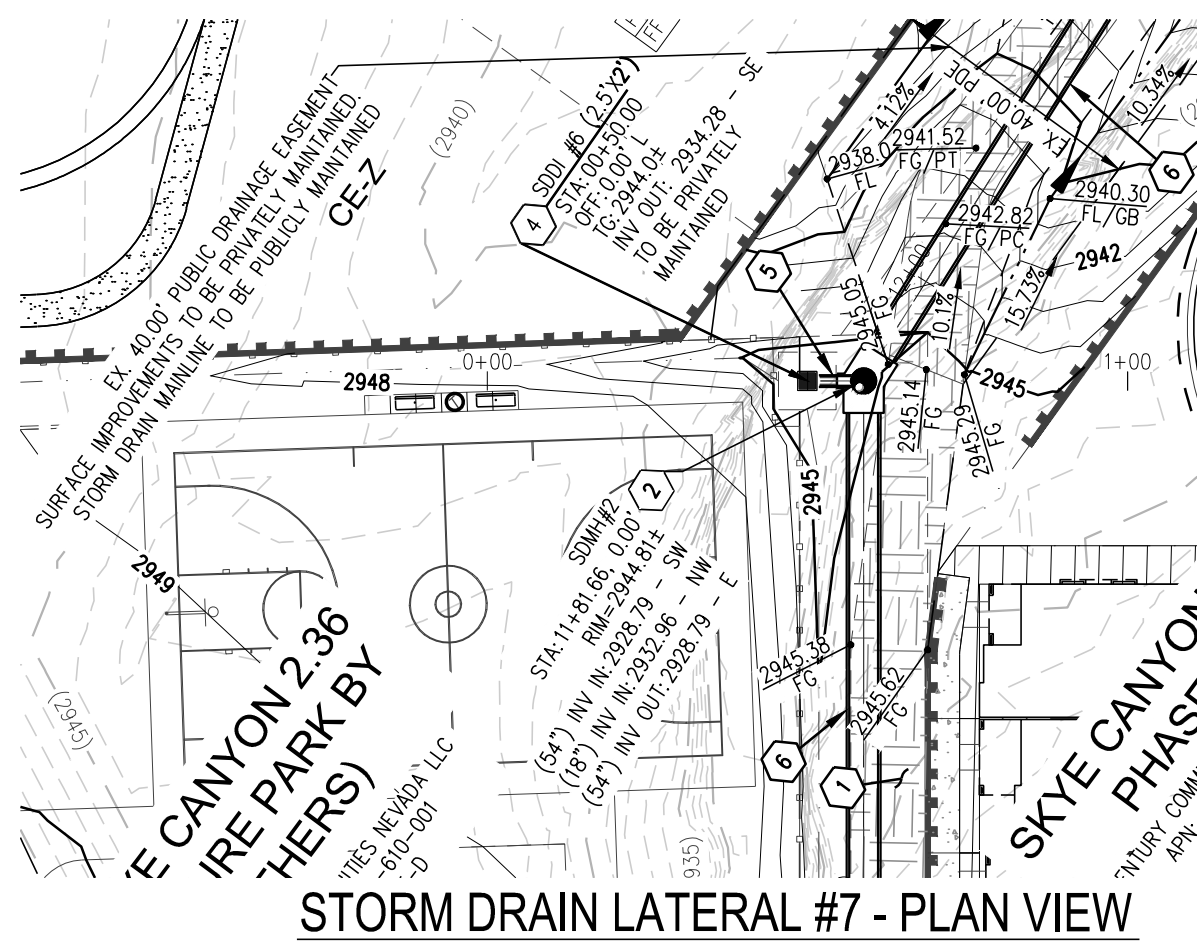
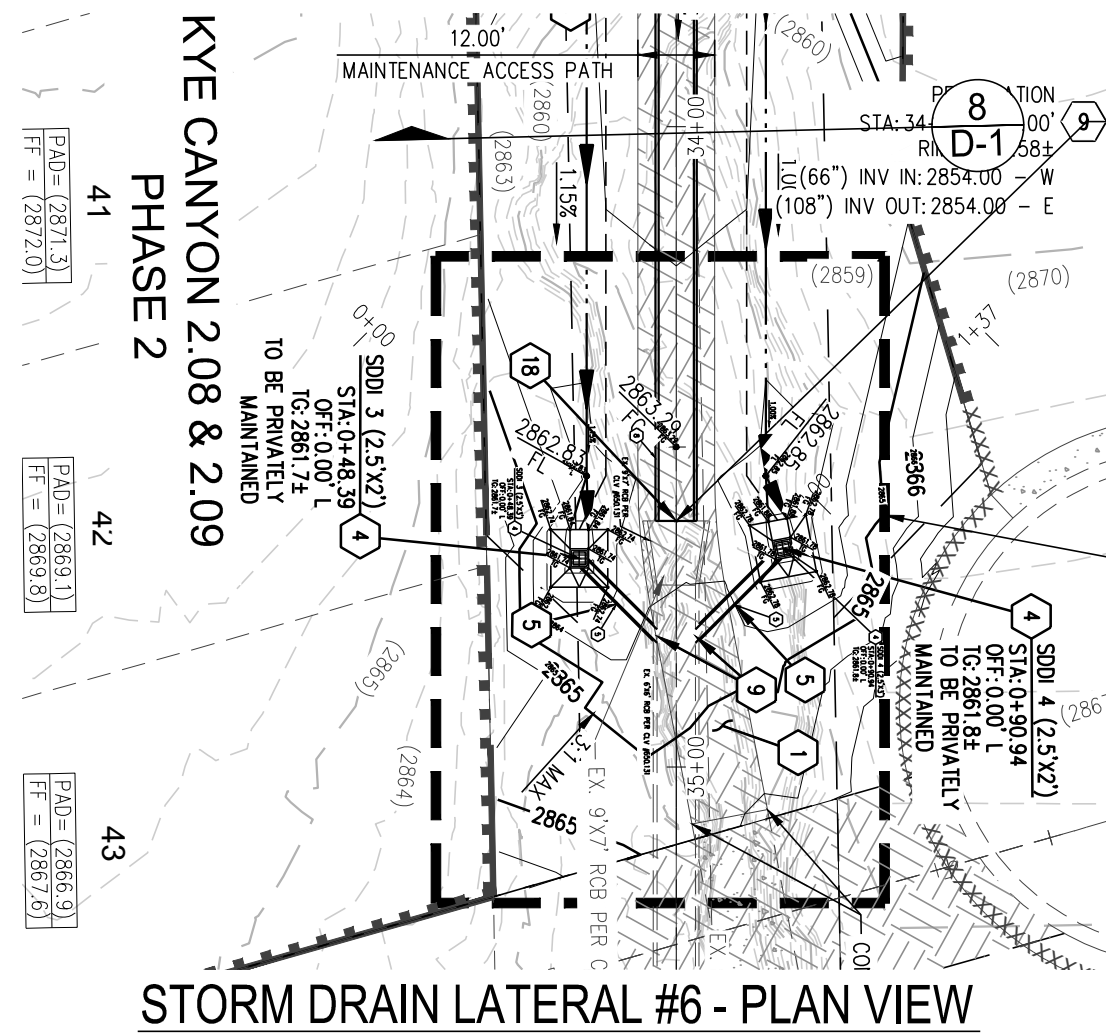
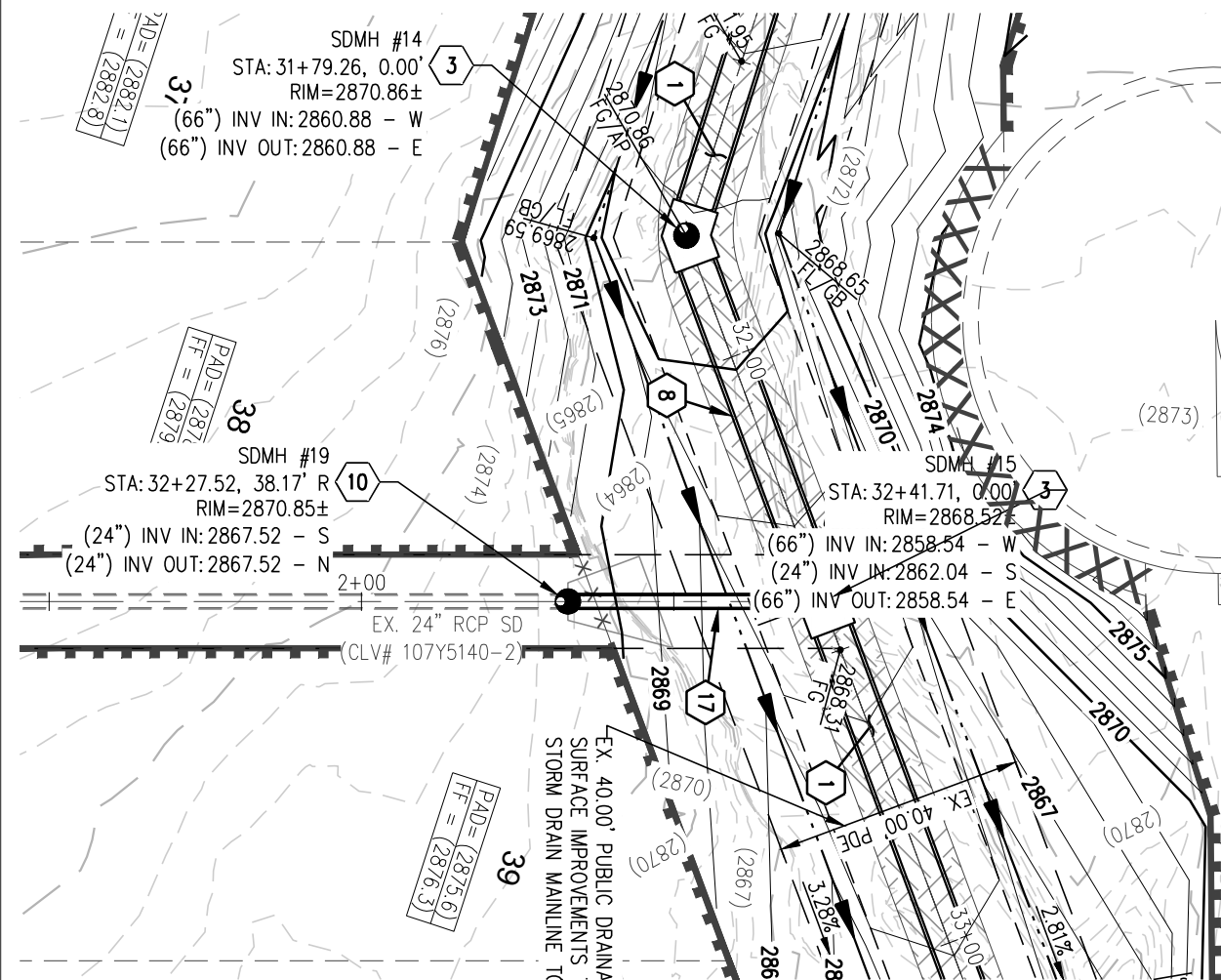
CEN2018



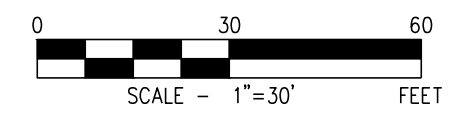
PP-8

SHEET 12 OF 15

Westwood
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
westwoodps.com
Westwood Professional Services, Inc.



LEGEND



CALL SOUTHWEST GAS AT 702-651-2111 FOR
STANDBY WHEN EXCAVATING OVER OR NEAR HIGH
PRESSURE GAS LINES

DISCLAIMER NOTE

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES AND EXISTING DRAINAGE SAVENMENT SHANK LINE TO PROPOSED EDGE OF PAVEMENT OR PROPOSED LINE OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
2. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
3. MAXIMUM/MINIMUM SLOPES NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
4. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
5. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CITY OF LAS VEGAS BUILDING DEPARTMENT.
6. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLEF FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
7. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) FEET IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE FIRST VISIBILITY ZONE.

LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDELINES

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

- 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 BE EXPOSED TO THE STORMWATER RUNOFF EVENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEBRIS 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 IF THE OWNER AND HIS OR HER AGENTS ARE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND IN 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 AREA OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SUCH EXCEPTIONS MAY REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION II.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 TRAFFIC, OR EXISTING OR POTENTIAL POLLUTANTS. IF THERE IS ANY EVIDENCE OF EROSION AFTER A RAIN EVENT OF 0.5 INCHES OR MORE, THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SUCH EXCEPTIONS TO WEEKLY INSPECTIONS MAY BE REQUESTED BY THE CONTRACTOR OR HIS AGENT TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION II.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, WHICHEVER IS EARLIER. SEDIMENT SHALL BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

FLOOD ZONE

THE PROJECT SITE IS NOT LOCATED WITHIN A FEMA DESIGNATED ZONE X (UNSHADED) AS DEPICTED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 32003C1750E, DATED SEPTEMBER 27, 2002. A ZONE X (UNSHADED) IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

CONSTRUCTION NOTES

- (1) CONSTRUCT 12" PEDESTRIAN AND MAINTENANCE ACCESS PATH (SEE LANDSCAPE PLAN FOR MATERIAL)
- (2) INSTALL 60" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401
- (3) INSTALL 60" TYPE III STORM DRAIN MANHOLE PER STRUCTURAL DETAIL # ON SHEET S-#
- (4) INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 10 ON SHEET D-2 (SIZE PER PLANS)
- (5) INSTALL 18" CLASS III RCP STORM DRAIN
- (6) INSTALL 54" CLASS III RCP STORM DRAIN
- (7) INSTALL 60" CLASS III RCP STORM DRAIN
- (8) INSTALL 66" CLASS III RCP STORM DRAIN
- (9) CONSTRUCT RCP TO RCB PENETRATION PER STRUCTURAL DETAIL # ON SHEET S-#
- (10) INSTALL 48" TYPE III STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 406.2
- (11) INSTALL 36" CLASS III RCP STORM DRAIN
- (12) RESET EXISTING RIP
- (13) INSTALL RIP-RAP (OD=6", THICKNESS = 12")
- (14) INSTALL 60" TYPE IA STORM DRAIN MANHOLE PER CCAUSD NO. 404
- (15) INSTALL CONCRETE COLLAR PER DETAIL 9 ON SHEET D-2
- (16) INSTALL 42" RCP STORM DRAIN
- (17) INSTALL 24" RCP STORM DRAIN
- (18) CONSTRUCT 66" RCP TO 9'x7' RCB TRANSITION STRUCTURE PER STRUCTURAL DETAIL S-#
- (19) INSTALL NDOT TYPE 2 DROP INLET AND CONCRETE APRON PER DETAIL 11 ON SHEET D-2 (SIZE PER PLANS)
- (20) 6-INCH CURB
- (21) CONTRACTOR TO REMOVE AND RE-INSTALL FENCE IF REQUIRED BY STORM DRAIN INSTALLATION
- (22) MASS GRADE PARCEL 2.36 (FUTURE PARK)
- (23) CONSTRUCT BRICK AND MORTAR PLUG PER DETAIL 13 ON SHEET D-2

SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

QUANTITIES

DRAINAGE			
1.	60" TYPE III STORM DRAIN MANHOLE	EA	17
2.	60" TYPE IA STORM DRAIN MANHOLE	EA	1
3.	48" TYPE III STORM DRAIN MANHOLE	EA	1
4.	NDOT TYPE 2 DROP INLET	EA	6
5.	18" RCP CLASS III STORM DRAIN	LF	104
6.	24" RCP CLASS III STORM DRAIN	LF	57
7.	36" RCP CLASS III STORM DRAIN	LF	30
8.	42" RCP CLASS III STORM DRAIN	LF	23
9.	54" RCP CLASS III STORM DRAIN	LF	1220
10.	60" RCP CLASS III STORM DRAIN	LF	355
11.	66" RCP CLASS III STORM DRAIN	LF	884
12.	RIP RAP (50=6", THICKNESS=12")	CY	22
13.			
14.			

FLOOD CERTIFICATION

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

LANT K. LEAVITT, P.E. 18287

DATE _____

Westwood

Phone (702) 284-5300
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 891
westwoodps.com
Westwood Professional Services, Inc.

CITY OF LAS VEGAS, NV



**SKYE CANYON NORTH ARROYO STORM DRAIN
PLAN AND PROFILE - STORM DRAIN LATERALS III**

S12
T19S
R59E

DATE: 10/26/2022

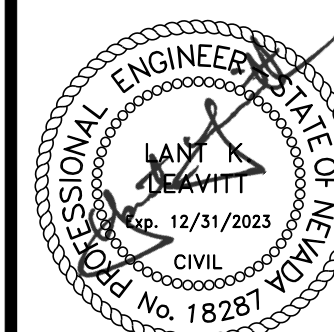
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DESIGNER: J.A.

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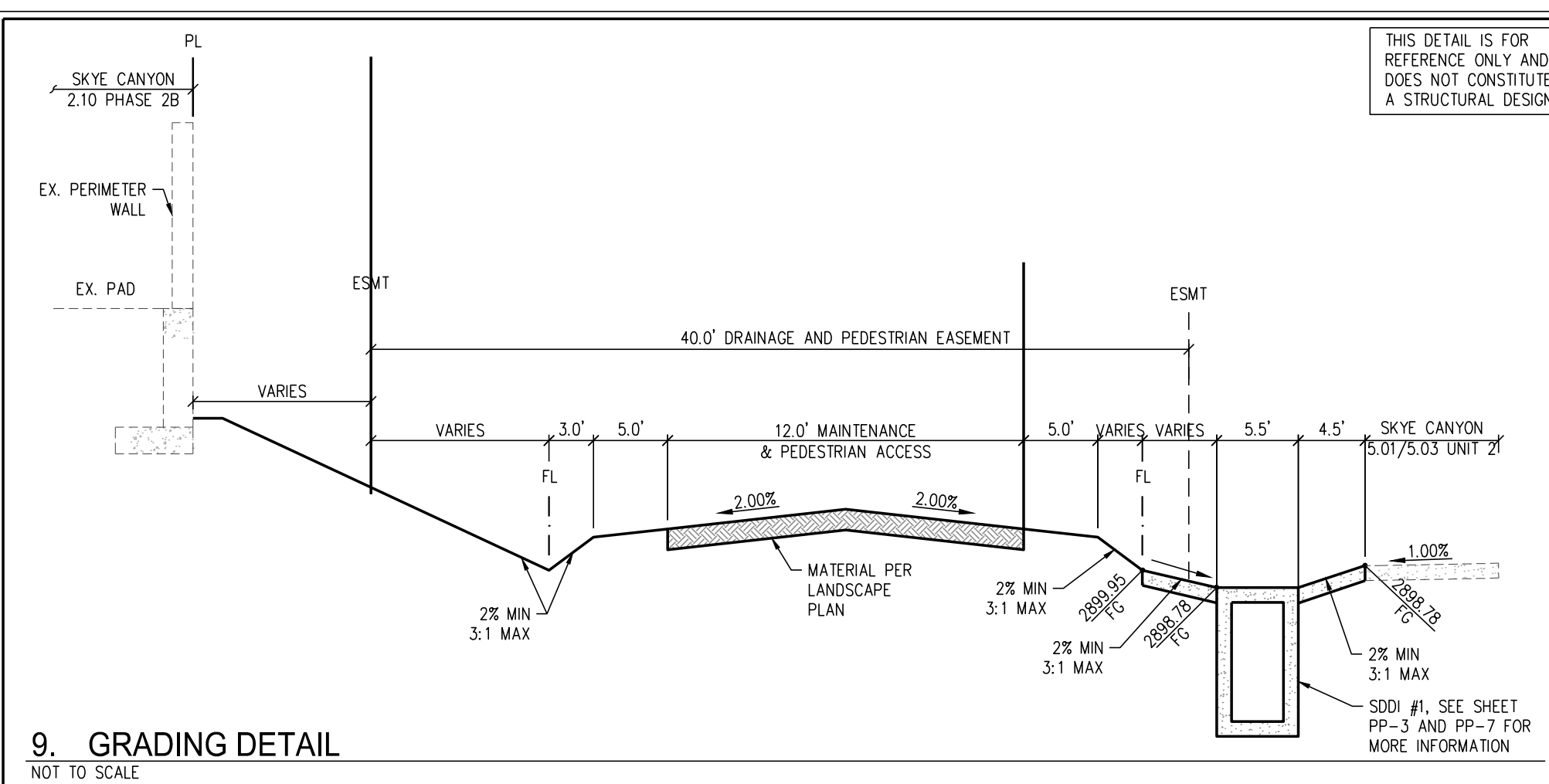
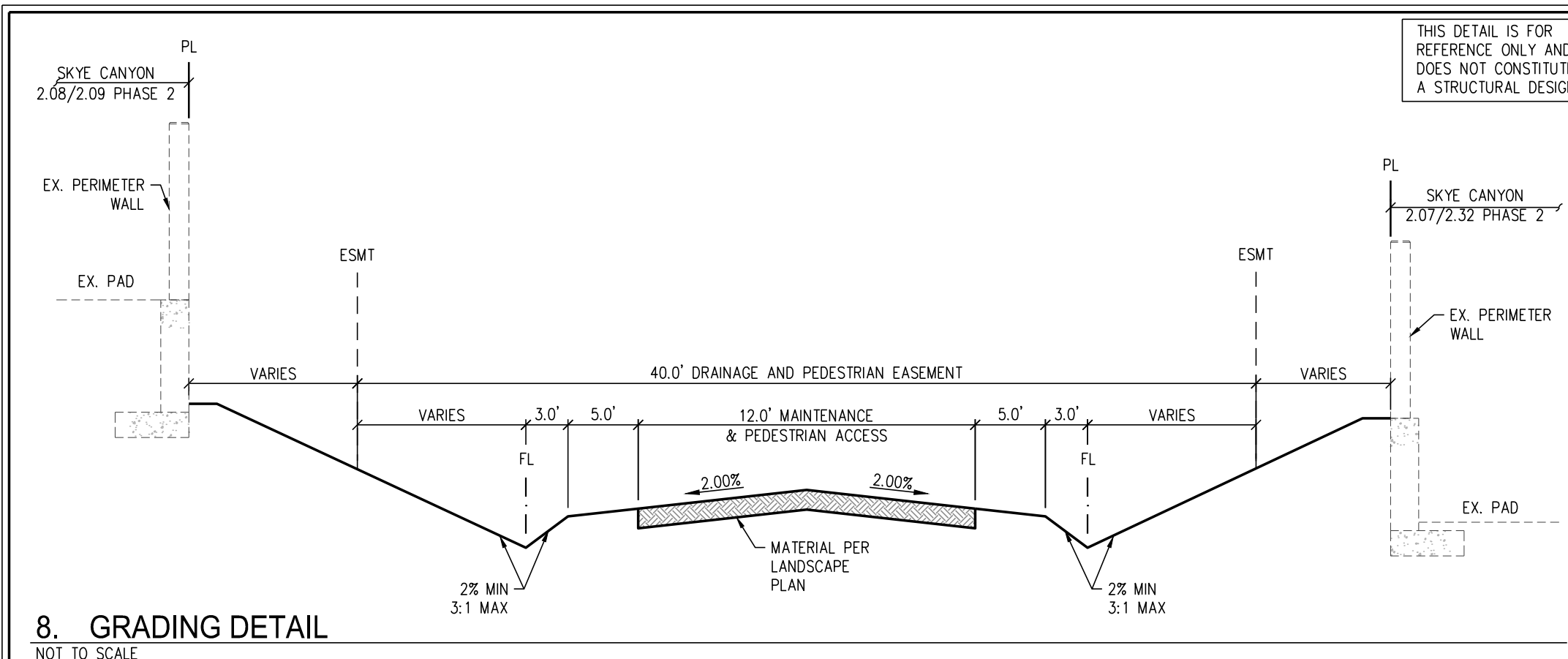
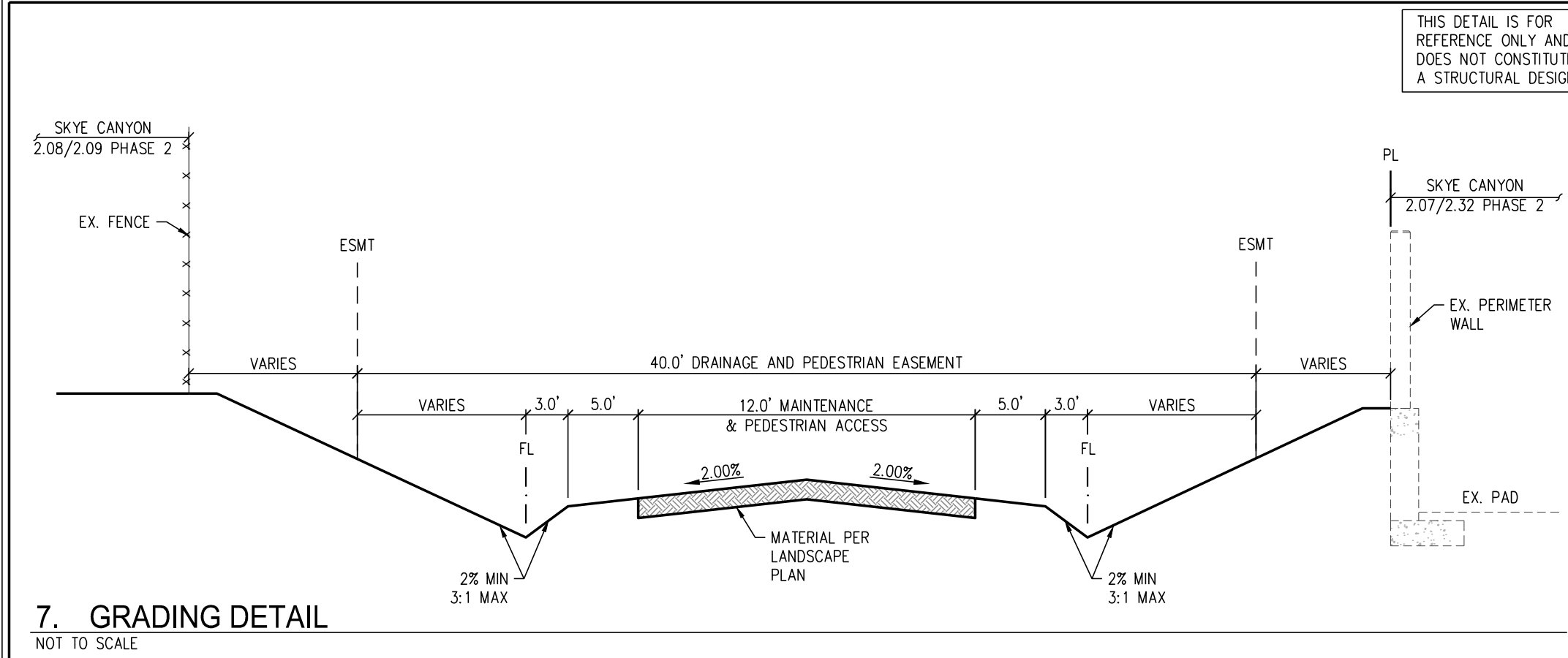
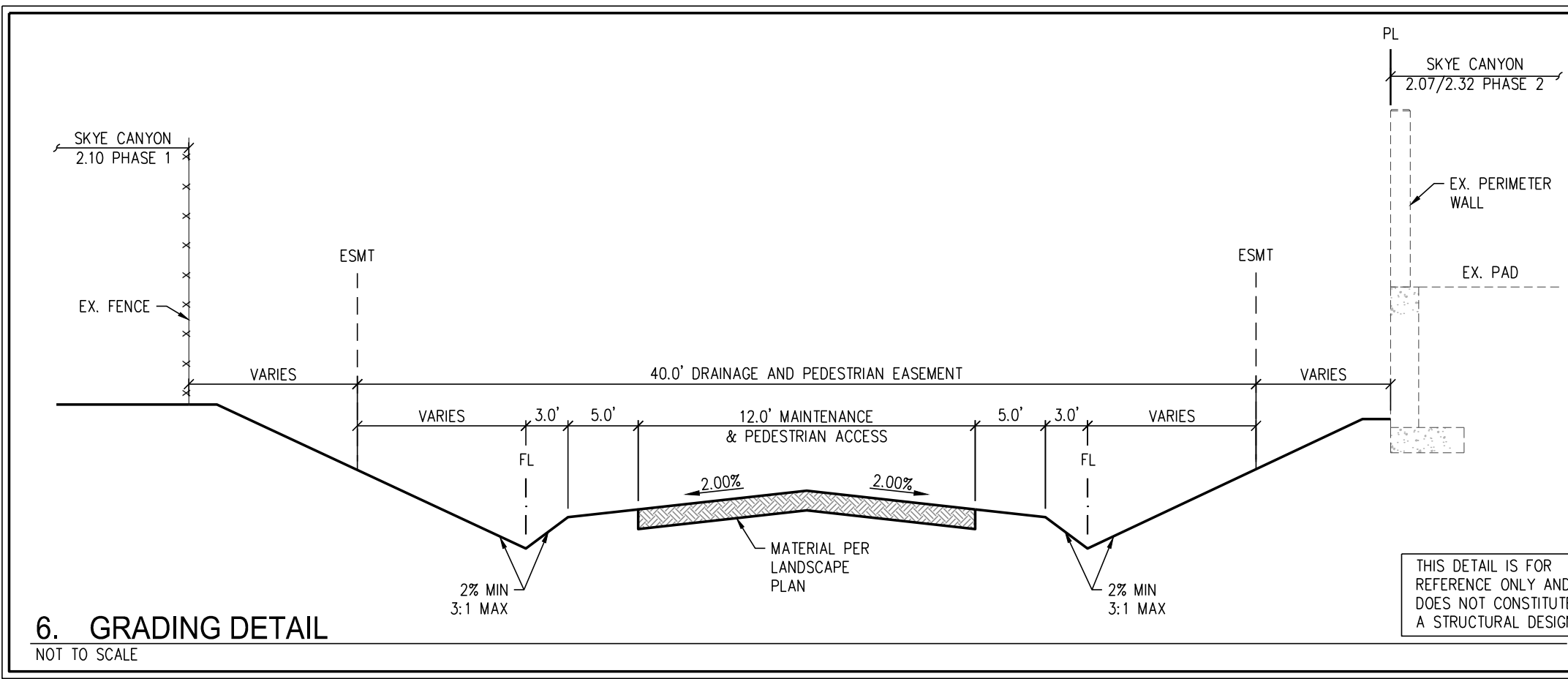
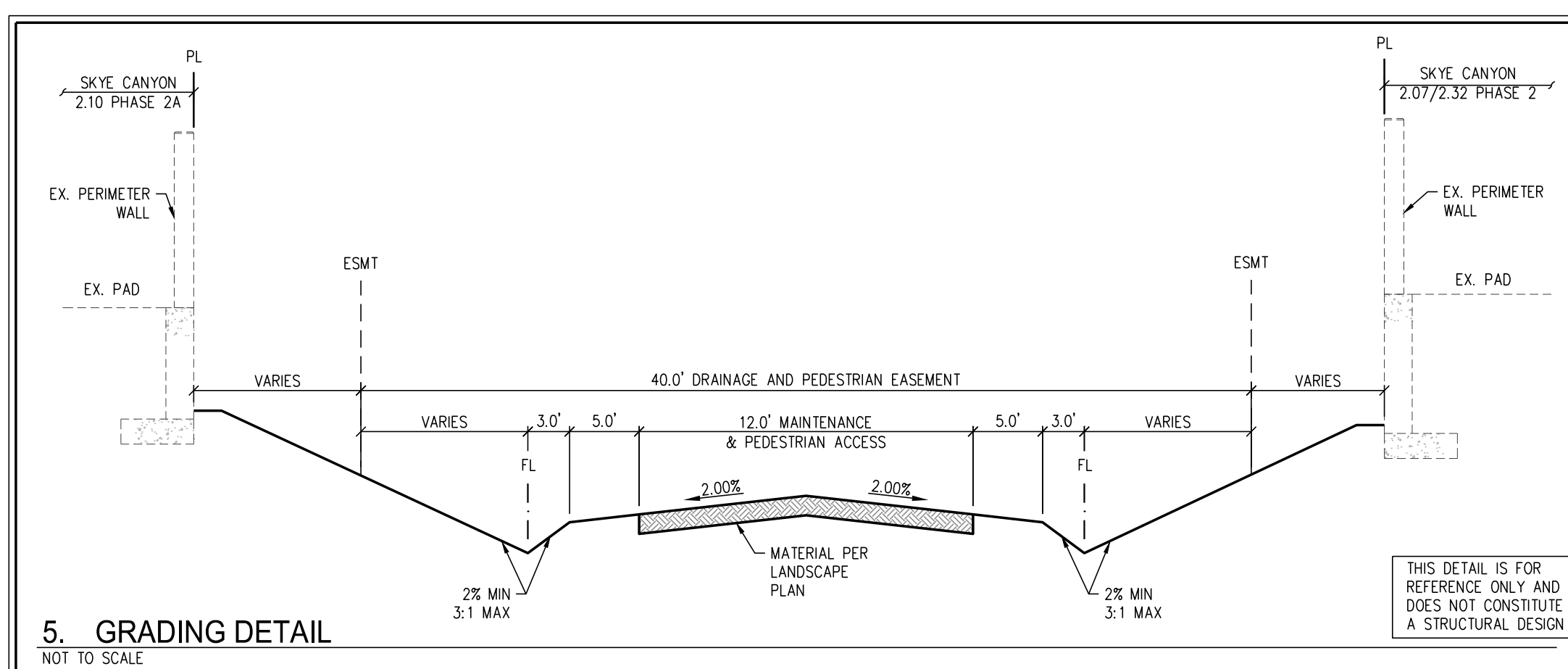
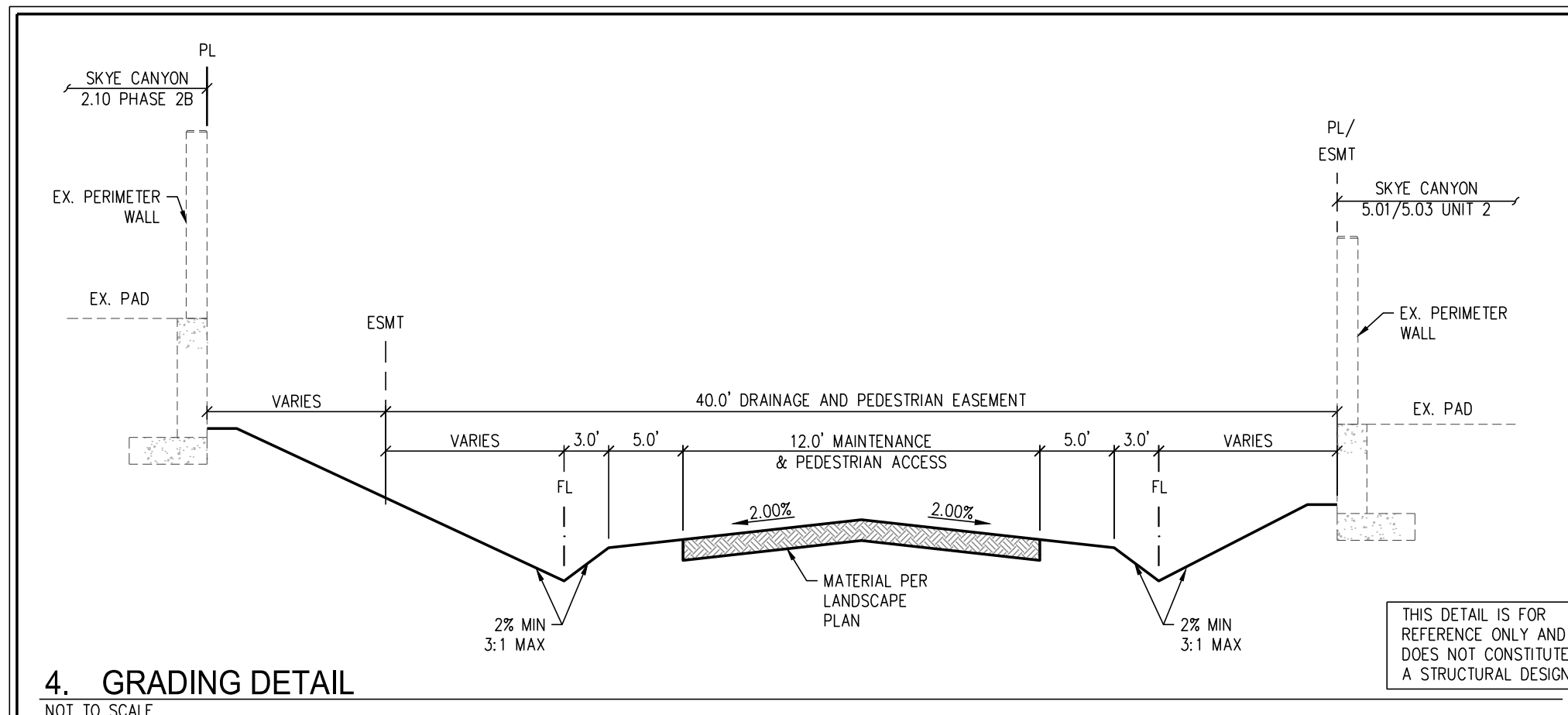
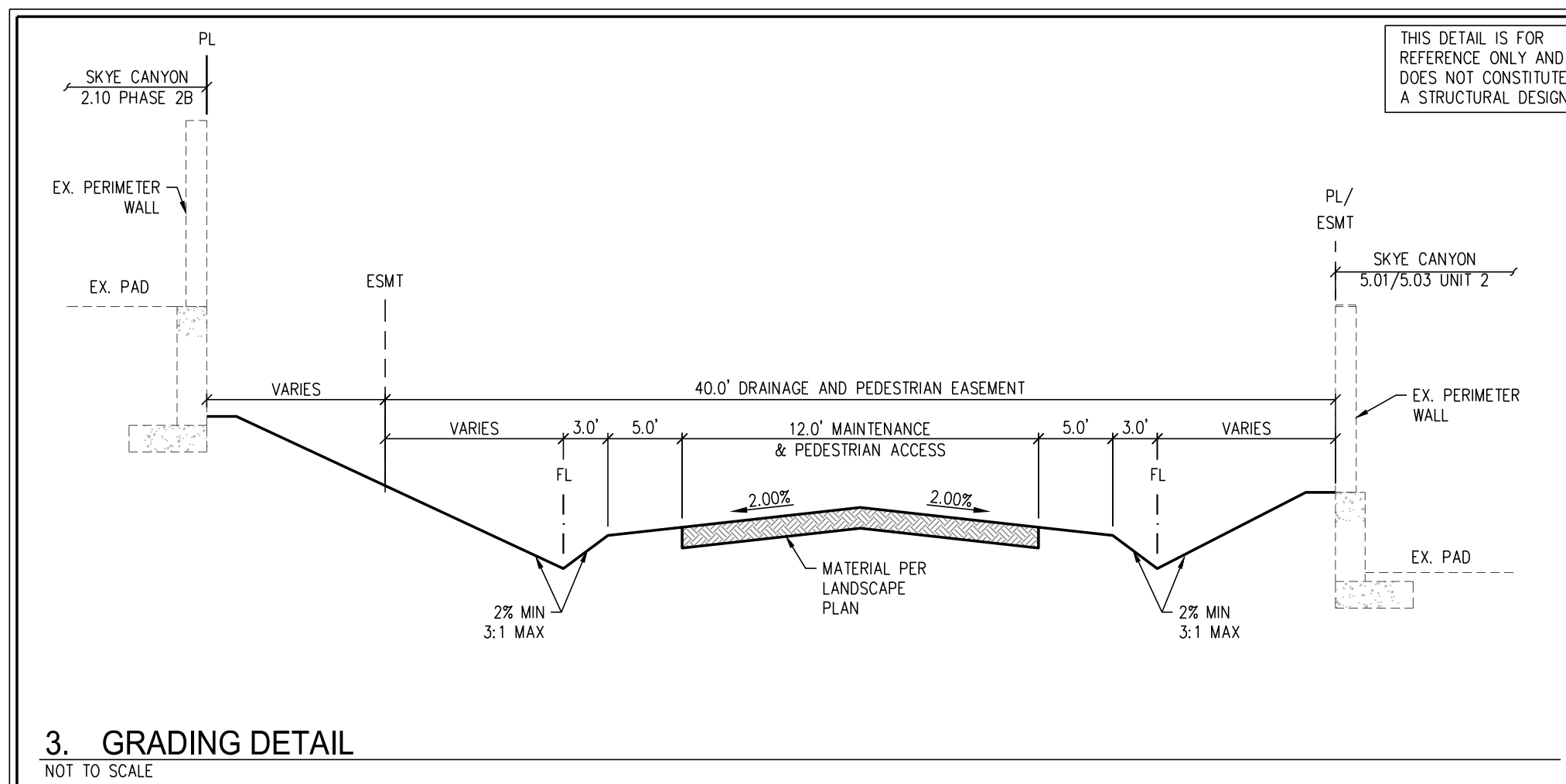
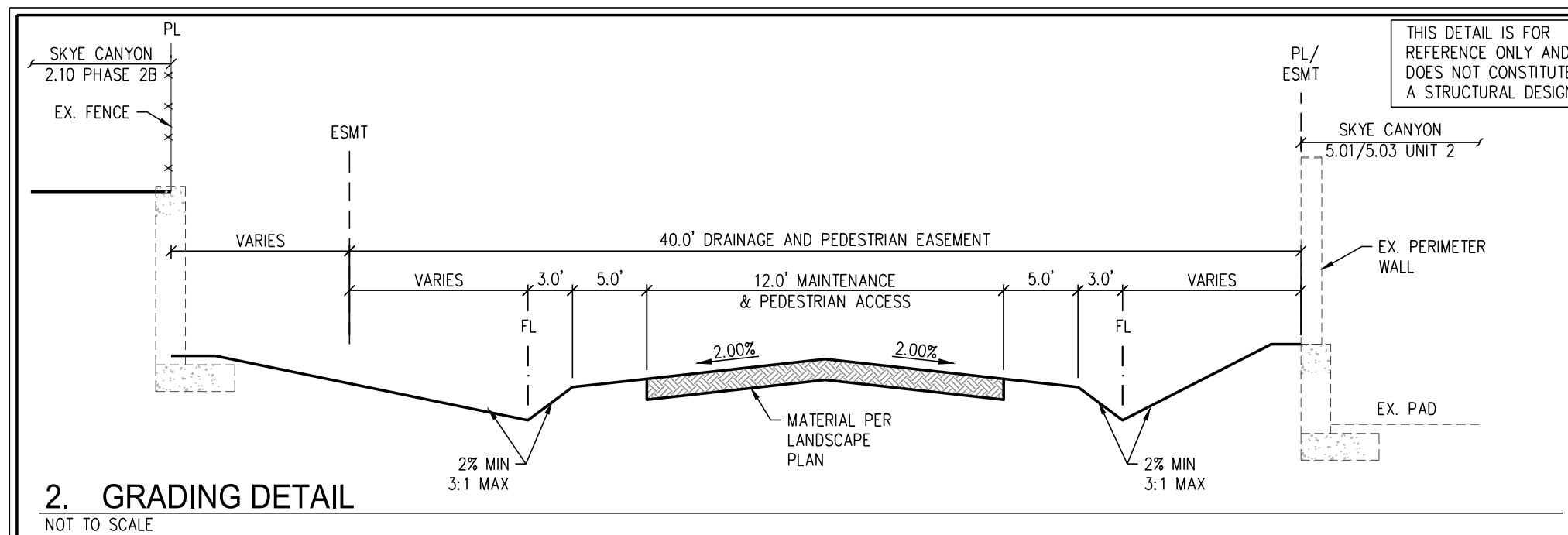
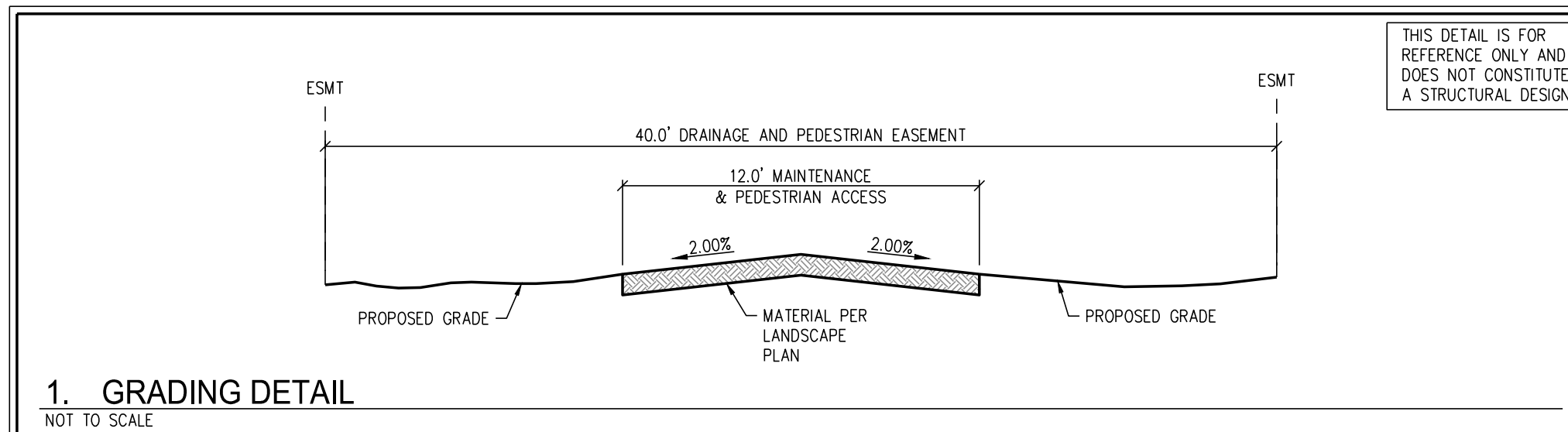
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CEN2018

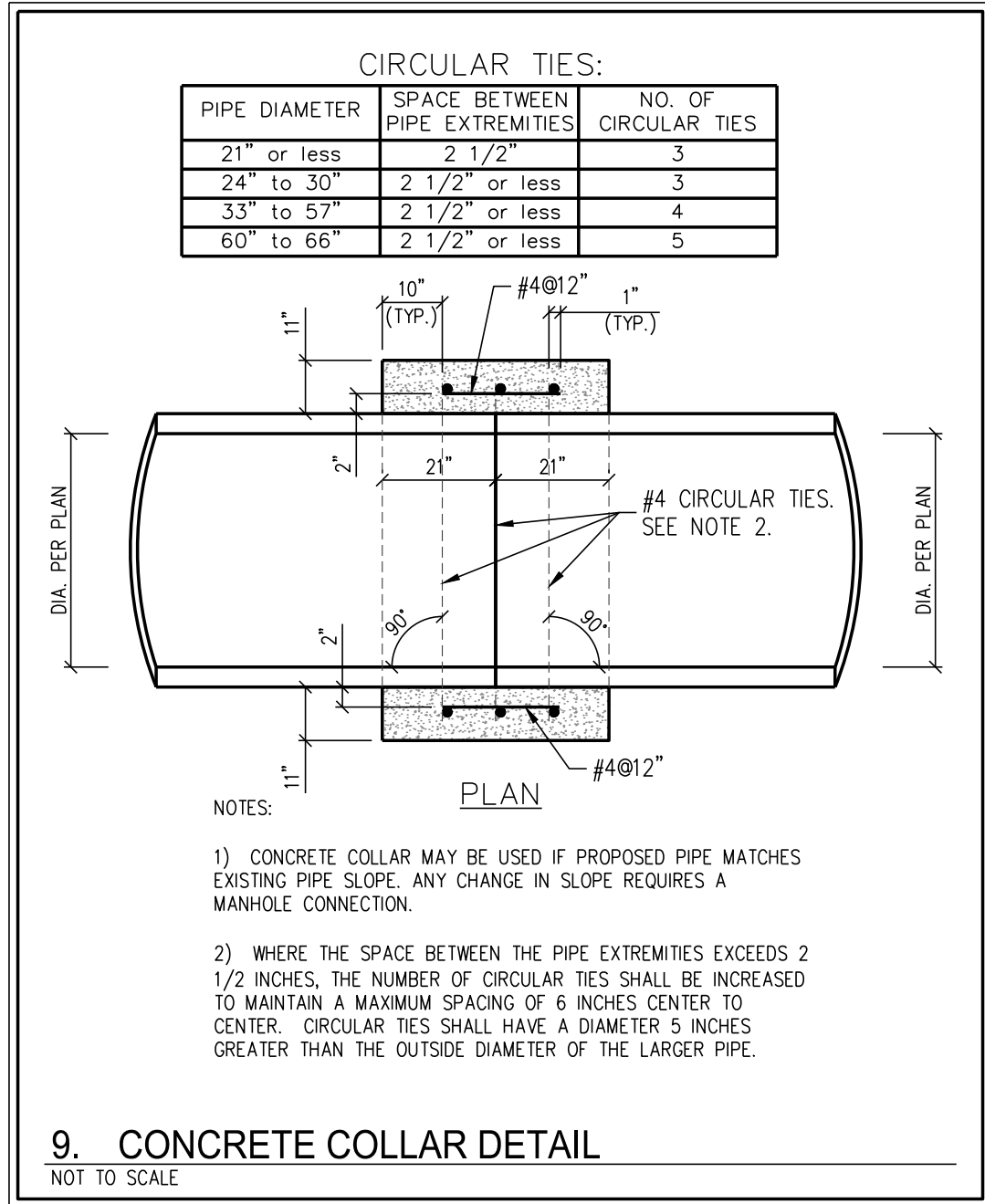


PP-9

SHEET 13 OF 15



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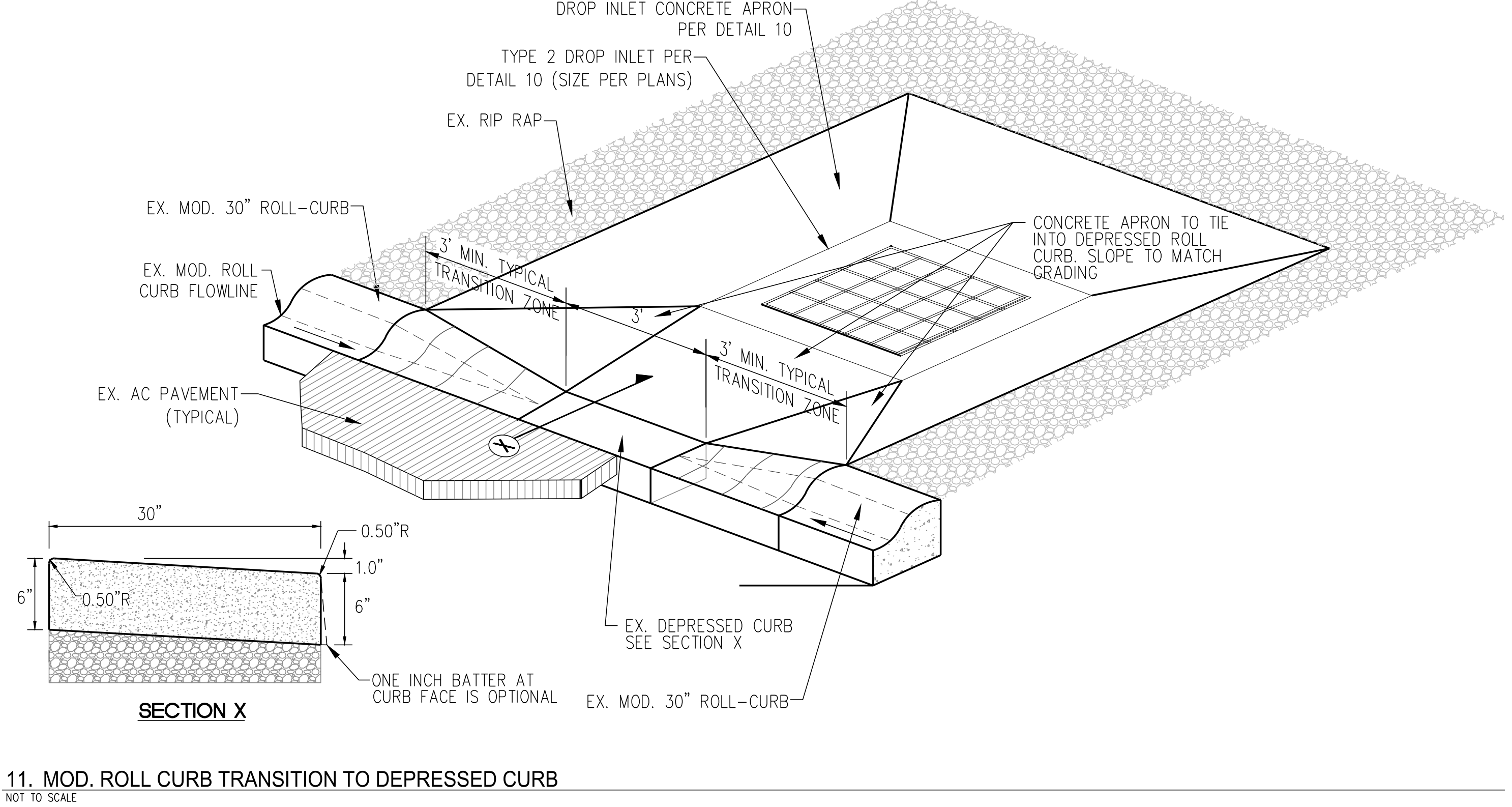
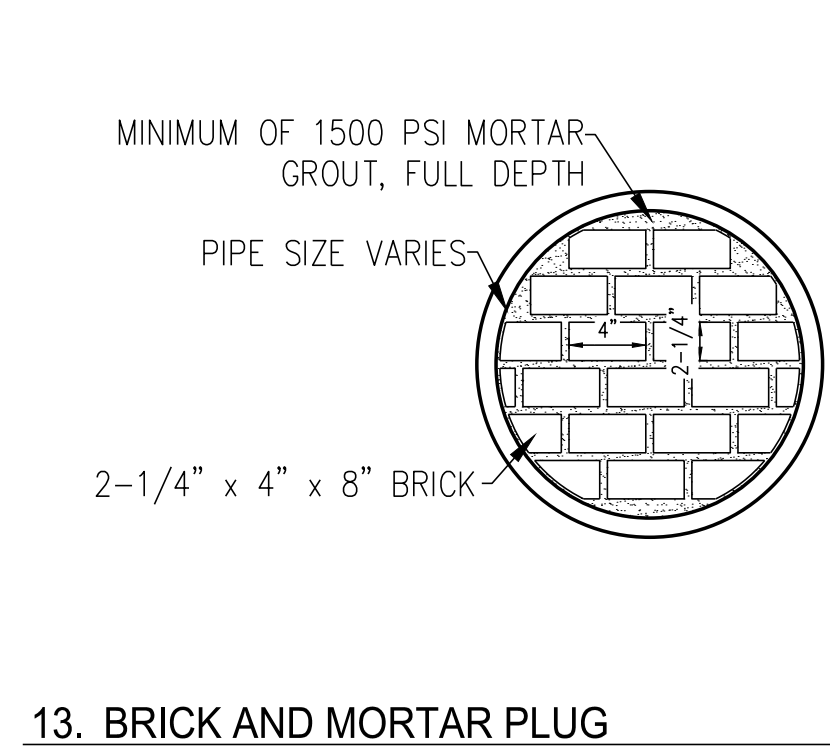
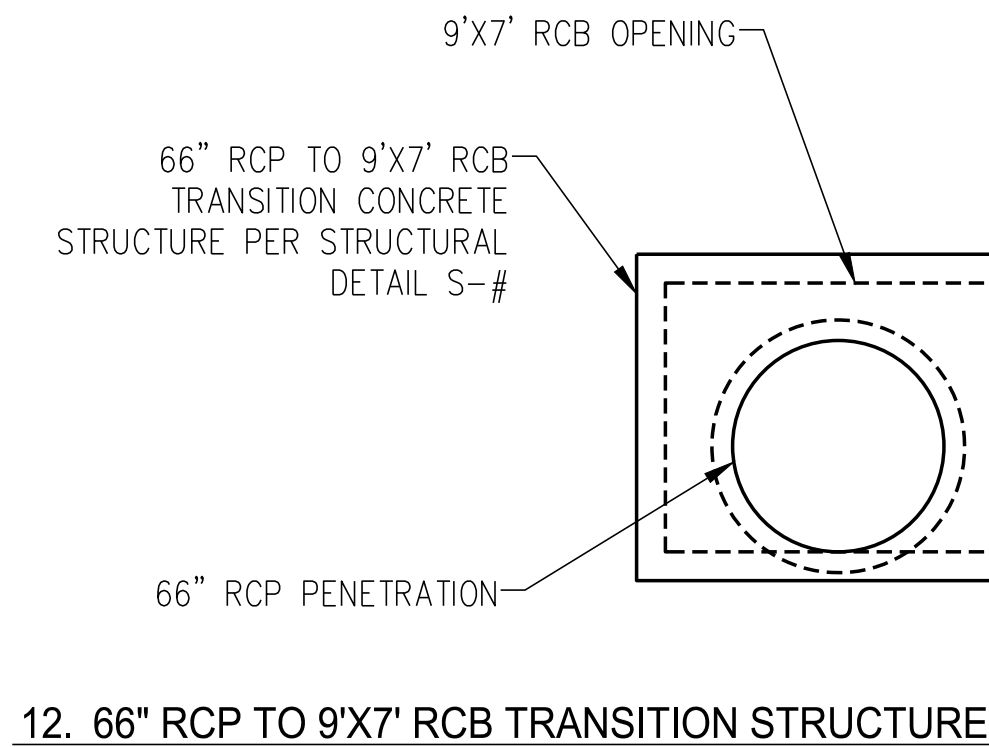
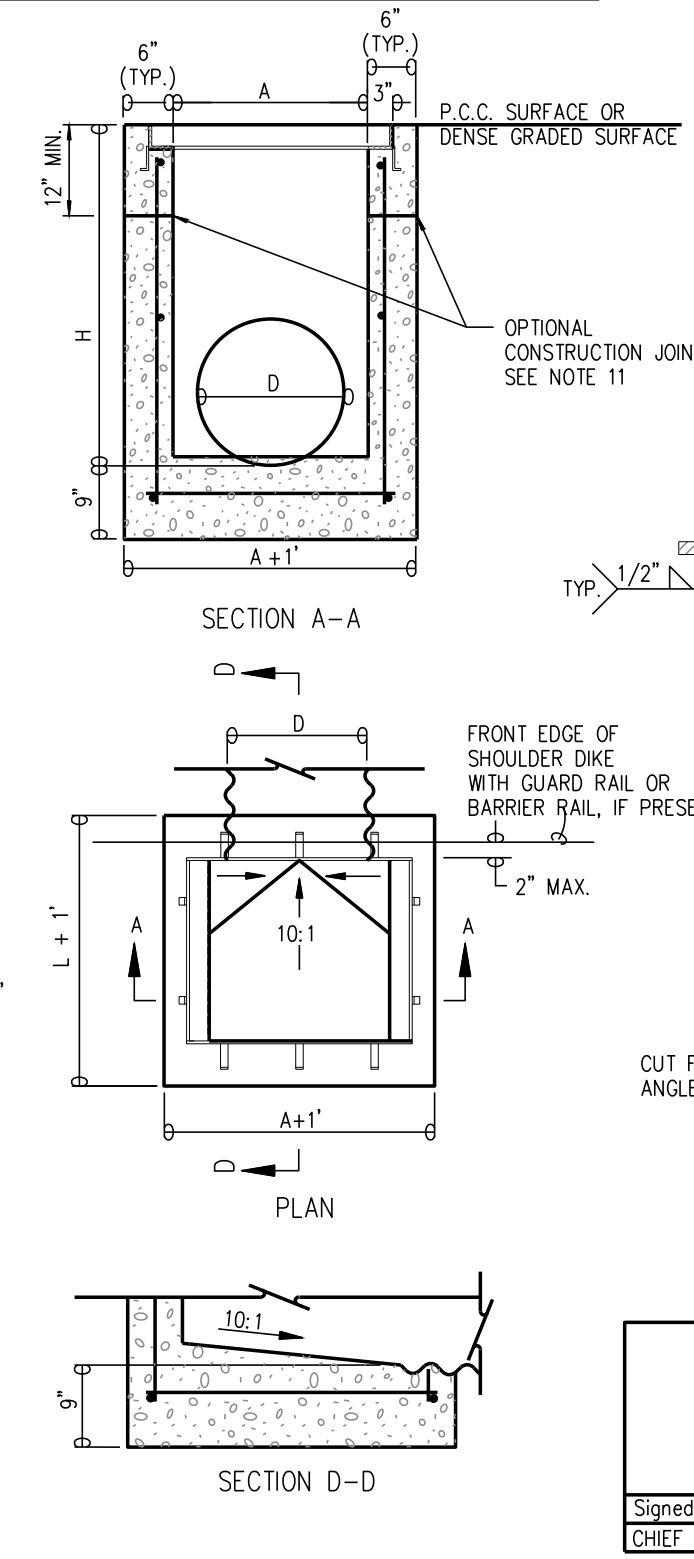
BILL OF MATERIALS (RCP HDPE CMP)

PIPE SIZE (INCH)	H MIN. (FEET)	SINGLE (ONE GRATE)			DOUBLE (TWO GRATES)			TRIPLE (THREE GRATES)								
		* CONCRETE (CY)	* REINF. (LB.)	* STR. QUAN. (CY/FT)	* CONCRETE (CY)	* REINF. (LB.)	* STR. QUAN. (CY/FT)	* CONCRETE (CY)	* REINF. (LB.)	* STR. QUAN. (CY/FT)						
		BASE RATE (H MIN.)	ADD QUAN. (CY/FT)	ADD RATE (CY/FT)	BASE RATE (H MIN.)	ADD QUAN. (CY/FT)	ADD RATE (CY/FT)	BASE RATE (H MIN.)	ADD QUAN. (CY/FT)	ADD RATE (CY/FT)						
15	2.50	0.71	0.19	36	10	211	1.06	0.26	50	13	397	1.41	0.33	70	17	583
18	3.00	0.89	0.20	40	10	306	1.31	0.28	56	13	574	1.72	0.35	77	18	842
24	3.50	1.08	0.22	58	12	349	1.56	0.30	80	15	652	2.04	0.37	105	20	956
30	4.00	1.28	0.24	63	12	390	1.83	0.31	86	16	729	2.38	0.39	113	20	1068
36	4.50	1.50	0.26	67	13	524	2.11	0.33	92	16	980	2.72	0.41	120	21	1435
42	5.00	1.71	0.28	90	15	575	2.39	0.35	120	18	1073	3.07	0.43	154	22	1571
48	5.50	1.94	0.30	95	15	707	2.68	0.37	127	18	1329	3.42	0.44	163	23	1951

* 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.

10. TYPE 2 DROP INLET
NOT TO SCALE

TABLE OF DIMENSIONS (RCP HDPE CMP)										
PIPE SIZE (INCH)	A	H (FT)	MAIN BARS (INCH)	FRAME ANGLES (INCH)		FRAME BARS (INCH)		L (FT)		
				SINGLE GRATE	DOUBLE GRATE	TRIPLE GRATE				
15	2'	2.50	3" x 3"	4" x 3" x 3"	4" x 3"	2	4	6		
18	2'	3.00	4" x 3"	5" x 3" x 3"	5" x 3"	2	4	6		
24	3'	3.50	4" x 3"	5" x 3" x 3"	5" x 3"	2	4	6		
30	4'	4.00	4" x 3"	5" x 3" x 3"	5" x 3"	2	4	6		
36	4'	4.50	5" x 3"	6" x 3" x 3"	6" x 3"	2	4	6		
42	5'	5.00	5" x 3"	6" x 3" x 3"	6" x 3"	2	4	6		
48	5'	5.50	5" x 3"	6" x 3" x 3"	6" x 3"	2	4	6		



NO.	DESCRIPTION	DATE	BY	APP.