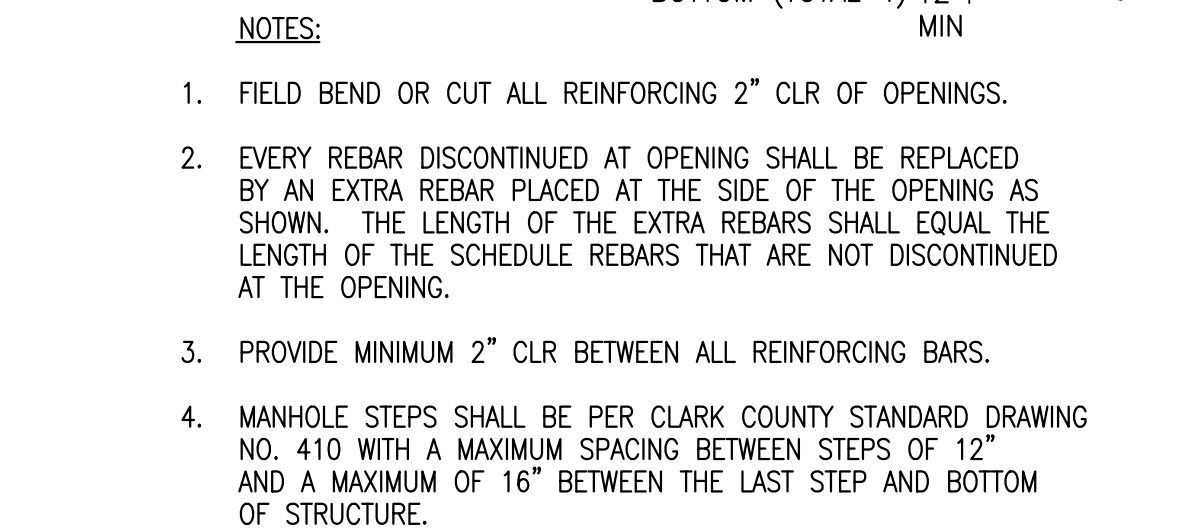
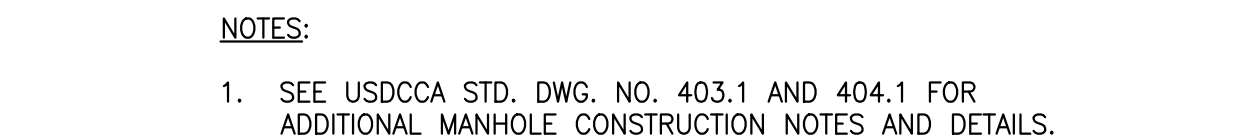




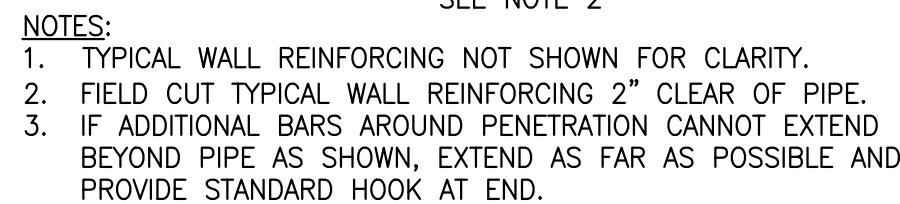
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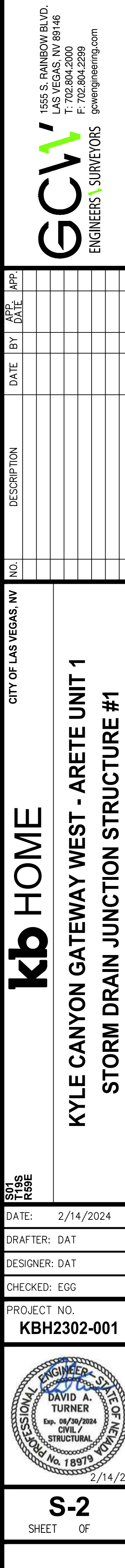
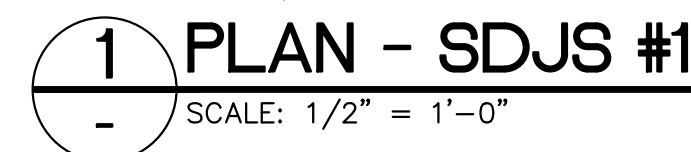
1. DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, EIGHTH EDITION, 2017
2. CONSTRUCTION SPECIFICATIONS: CLARK COUNTY UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. EXISTING UTILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN THE WORK AREA, AND PROVIDING PROTECTION FOR THE VARIOUS UTILITIES AFFECTED PRIOR TO PROCEEDING WITH THE WORK.
4. CONCRETE: CONCRETE SHALL BE CLASS D MODIFIED AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF $f'_c=4,500$ PSI AND A MAXIMUM WATER TO CEMENT RATIO, BY WEIGHT, OF 0.45. USE TYPE V V CEMENT PER ASTM C-150. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE.
5. REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. DIMENSIONS ARE FROM OUT TO OUT OF BARS. MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 3" WHERE CONCRETE IS CAST AGAINST SOIL AND 2" ELSEWHERE, UNLESS NOTED OTHERWISE. HOOKS MAY BE ROTATED OR TILTED AS NECESSARY TO PROVIDE THE PROPER CLEARANCES.
6. BEDDING MATERIAL: BEDDING MATERIAL SHALL BE 6-INCHES OF TYPE II AGGREGATE BASE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. EXPOSED NATIVE SOILS IN BOTTOMS OF EXCAVATIONS SHALL BE SCARIFIED TO A DEPTH OF 6-INCHES, MOISTURE-CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED TO 90%.
7. INVERTS, SLOPES, BEARINGS, ALIGNMENTS, AND ELEVATIONS SHOWN ARE FOR "REFERENCE ONLY". INFORMATION ON CIVIL DRAWINGS SHALL GOVERN.
9. EPOXY: ADHESIVE ANCHORS SHALL BE INSTALLED WITH SIMPSON STRONG-TIE "SET -3G" (10G-ES ESR-4057) OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS. INSTALLERS SHALL HAVE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION. PROVIDE CONTINUOUS SPECIAL INSPECTION.
10. STRUCTURAL STEEL: STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITIONS AND SUPPLEMENTS OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

11. GALVANIZING: ALL EXPOSED METAL AND METAL PARTS SHALL BE GALVANIZED OR PAINTED. GALVANIZING DAMAGED BY FABRICATION SHALL RECEIVE TWO COATS OF ZINC RICH PAINT (GALVANOX OR EQUAL).
12. WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS WITH EXPERIENCE WITH THE WELDING PROCESSES AND TYPES BEING PERFORMED.
13. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. ALL FILTER MATERIAL SHALL HAVE A MINIMUM ULTIMATE STRENGTH OF 70 ksi. PROVIDE AISC MINIMUM WELD WHERE CONTROLLING OVER WELD SIZES SHOWN.

ALLOWABLE SOILS BEARING PRESSURE = 2,000 psf
SOIL ACTIVE PRESSURE, EFP = 45 psf/ft
SOIL AT-REST PRESSURE, EFP = 65 psf/ft
SOIL PASSIVE PRESSURE, EFP = 350 psf/ft
COEFFICIENT OF FRICTION = 0.45
SITE CLASS = D

	CONTINUOUS MONITORING	PERIODIC MONITORING
FOUNDATION SOILS, EXCAVATIONS		X
FILL MATERIALS AND PLACEMENT	X	
FOUNDATION SUB-GRADES		X
REBAR PLACEMENT IN CONCRETE		X
VERIFICATION OF CONCRETE MIX DESIGN, CURING, FORMWORK		X
CONCRETE SAMPLING AND TESTING	X	
INSPECTION OF CONCRETE PLACEMENT	X	

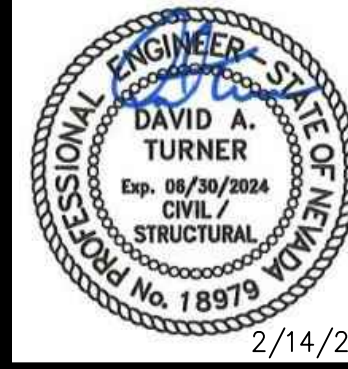
1. SPECIAL INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED FIRMS OR PERSONNEL. THE SPECIAL INSPECTOR MUST BE ICC CERTIFIED AND APPROVED BY THE GOVERNING JURISDICTION IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
2. THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE GOVERNING JURISDICTION, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS, AND EQUIPMENTS.
3. AS IDENTIFIED WITHIN THE CONTRACT DOCUMENTS, AND THE IBC 2021 BUILDING CODE, CHAPTER 17, THE SPECIAL INSPECTORS SHALL MAINTAIN RECORDS OF ALL INSPECTIONS PERTAINING TO THE PORTIONS OF WORK THEY ARE TO INSPECT. PROVIDE COPIES OF REPORTS TO THE OWNER AND ARCHITECT/ ENGINEER PERIODICALLY AND AS REQUIRED FOR ADEQUATE COMMUNICATION AS WORK PROGRESSES.

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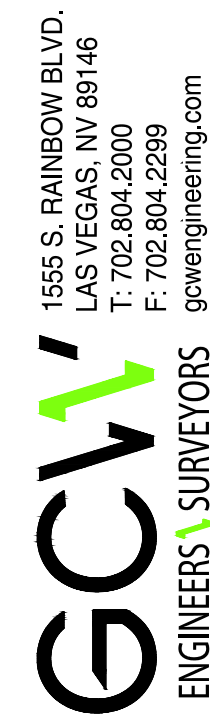
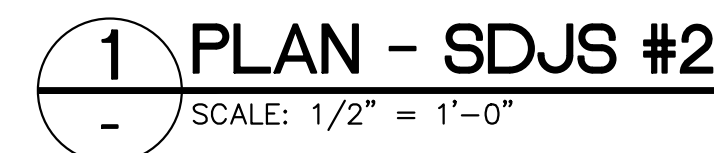
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kb HOME

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DATE:	2/14/2024
DRAFTER:	DAT
DESIGNER:	DAT
CHECKED:	EGG
PROJECT NO.	
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SHEET OF

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CITY OF LAS VEGAS, NV

kpb HOME

KYLE CANYON GATEWAY WEST - ARETE UNIT 1
STORM DRAIN JUNCTION STRUCTURE #2

S01
T19S
R59E

DATE: 2/14/2024

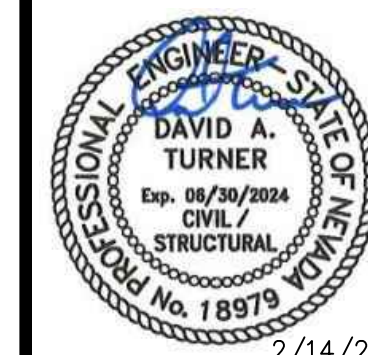
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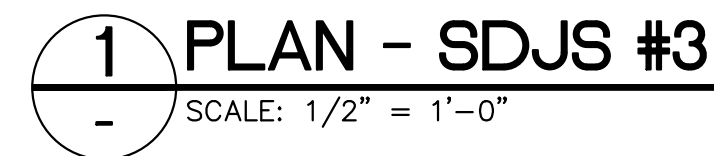
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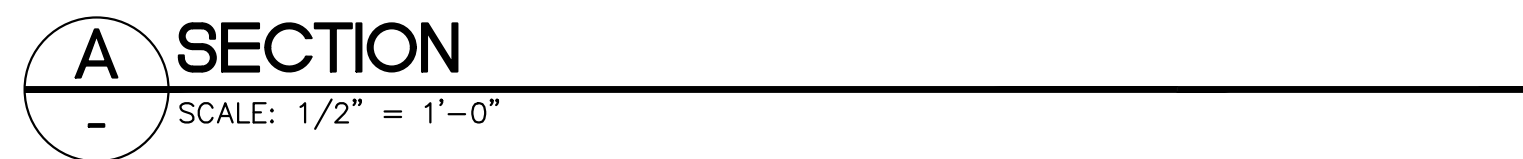
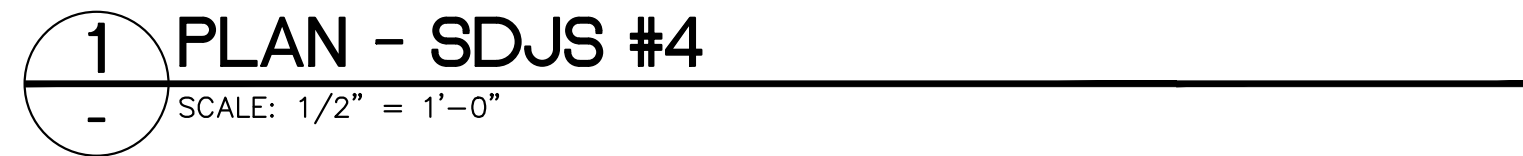
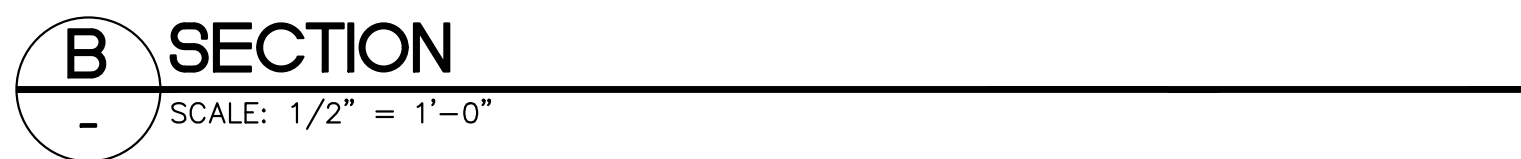
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SHEET OF

CITY OF LAS VEGAS, NV

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SHEET OF



S04
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CITY OF LAS VEGAS - NV

PROJECT NO.
KBH2302-001

