CITY OF SCOTTSDALE NOTES:

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OGF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPLEMENTAL STANDARD DETAILS WILL
- THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE
- SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF ASSOCIATED PERMIT HAS NOT BEEN ISSUED WITHIN THIS TIME FRAME, THI PLANS MUST BE RESUBMITTED TO THE CITY FOR
- A CITY INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE. NOTIFY INSPECTION SERVICES 72 HOURS BEFORE
- WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 811, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. PERMISSION TO WORK IN THE RIGHT-OF-WAY (PWR) PERMITS ARE REQUIRED FOR ALL WORKS WITHIN THE RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.

ALL LANDSCAPE AREAS AND MATERIALS, INCLUDING THOSE LOCATED IN PUBLIC RIGHTS-OF-WAY, SHALL BE MAINTAINED IN A HEALTHY, NEAT, CLEAN, AND WEED-FREE CONDITION. ANSI A300 STANDARD PRACTICES FOR PRUINING, SUPPORT SYSTEMS, AND SAFETY SHALL BE USED FOR MAINTENANCE CRITERIA. THIS SHALL BE THE RESPONSIBLITY OF THE	LEGI →	END flow arrow 6" curb
PROPERTY OWNER/DEVELOPER/HOA.		TRASH ENCLOSURE
40 DUIL T OFFICATION		BUILDING DUTLINE
AS-BUILT CERTFICATION: I HEREBY CERTIFY THAT THE THE RECORD DRAWING MEASUREMENTS WERE MADE UNDER MY SUPERVISION OR AS NOTED AND IS CORRECT TO THE BEST OF MY		ADA ACCESS
KNOWLEDGE AND BELIEF.	•	FIRE HYDRANT
	0	CLEANDUT
REGISTERED LAND SURVEYOR DATE		WATER METER
REGISTRATION NUMBER DATE		BACKFLOW PREVENTOR -1" W
FIRM NAME		- — — PROPERTY L

NO CONFLICT SIGNATURE BLOCK

UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE	DATE SENT	
ELECTRIC	SRP				
TELEPHONE	COX COMMUNICATIONS				
NATURAL GAS	SW GAS				
CABLE TV	COX COMMUNICATIONS				
OTHER					
OTHER					
ENGINEER'S CERTIFICATION					

I, KIRK SMITH AS THE ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL IMPROVEMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.

SIGNATURE	DATE

FEMA INFORMATION:

NOTE: ALL WORK PERFORMED SHALL MEET THE

STANDARDS OUTLINED IN THE ENCLOSED PLANS AND

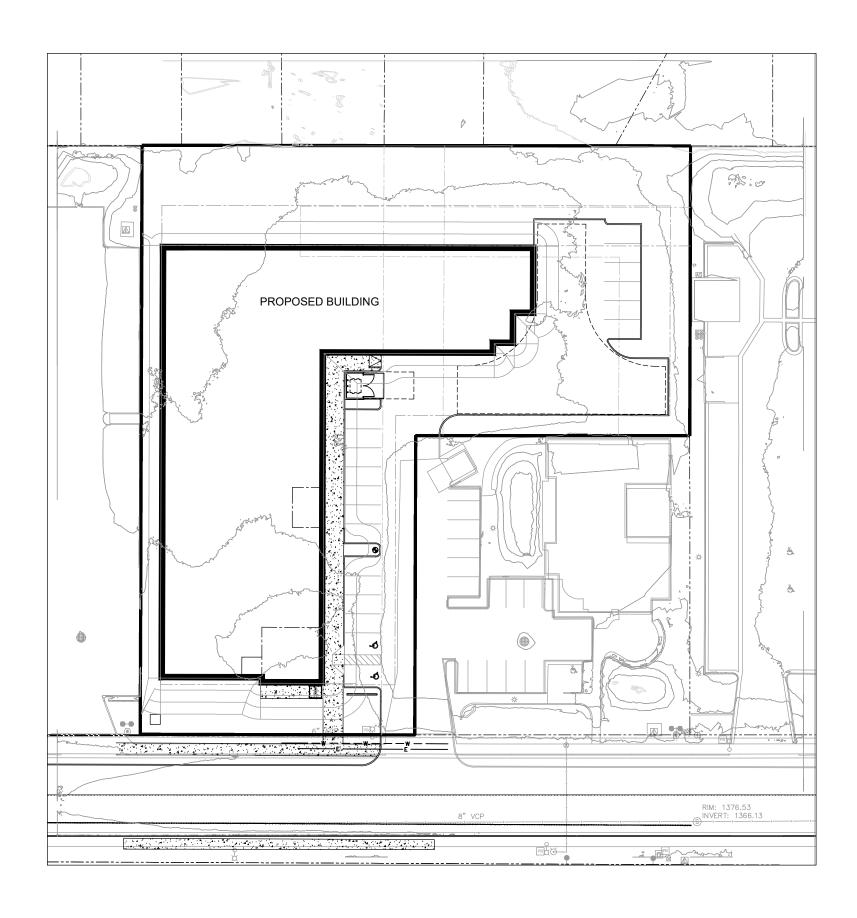
COMMUNITY NUMBER	PANEL # PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)		DEPTH (FT)
		V		X	N/A
		^		AO	1

THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 -FLOODPLAIN AND STORMWATER REGULATION

PRELIMINARY IMPROVEMENT PLANS

DESERT COVE SELF STORAGE

8888 E DESERT COVE AVE, SCOTTSDALE, AZ 85260





BENCHMARK:

CITY OF SCOTTSDALE BENCHMARK #8194 BRASS CAP IN HANDHOLE AT INTERSECTION OF NORTH 92ND STREET AND EAST CHOLLA STREET. ELEVATION = 1388.481 (NAVD88 DATUM).

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON NAVD1988 AND MEET THE FEMA BENCHMARK MAINTENANCE (BMM) CRITERIA.

KIRK SMITH, P.E. 9.08.22 NAME & TITLE SIGNATURE DATE

ASSESSOR PARCEL NUMBERS: APN: 217-25-002Q

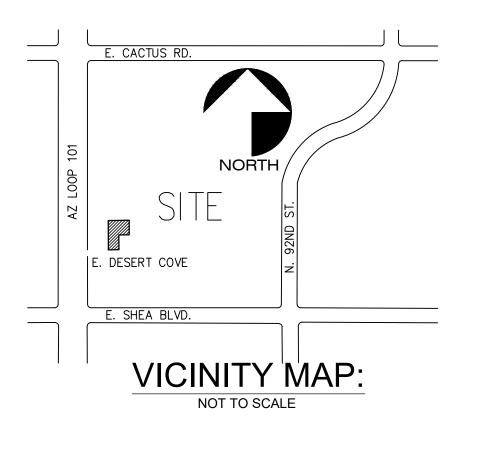
ZONING:

LEGAL DESCRIPTION:

THAT PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER (GOVERNMENT LOT 4) OF SECTION 19, TOWNSHIP 3 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 19, FROM WHICH THE SOUTHWEST CORNER OF SAID SECTION 19 BEARS SOUTH 00 DEGREES 20 MINUTES 21 SECONDS WEST, 1320.40 FEET;

- THENCE SOUTH 89 DEGREES 52 MINUTES 33 SECONDS EAST, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 19, A DISTANCE OF 365.39 FEET TO THE POINT OF BEGINNING;
- THENCE CONTINUING SOUTH 89 DEGREES 52 MINUTES 33 SECONDS EAST, 237.99 FEET TO THE NORTHWEST CORNER OF EDWARDS BUSINESS PARK, A SUBDIVISION RECORDED IN BOOK 287 OF MAPS, PAGE 20, MARICOPA COUNTY RECORDS;
- THENCE SOUTH 00 DEGREES 11 MINUTES 34 SECONDS WEST, ALONG THE WEST LINE OF SAID EDWARDS BUSINESS PARK, 145.00 FEET;
- THENCE NORTH 89 DEGREES 52 MINUTES 33 SECONDS WEST, PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER, 137.00 FEET;
- THENCE SOUTH 00 DEGREES 11 MINUTES 34 SECONDS WEST, A DISTANCE OF 180,00 FEET:
- THENCE NORTH 89 DEGREES 52 MINUTES 33 MINUTES WEST, PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER, A DISTANCE OF 136.99 FEET;
- THENCE NORTH 00 DEGREES 11 MINUTES 34 SECONDS EAST, 325.00 FEET TO THE POINT OF BEGINNING



PROJECT CONTACTS:

DEVELOPER:

RAN PROPERTIES, LLC. 6501 EAST GREENWAY PKWY., 103-577 SCOTTSDALE, ARIZONA 85254 POINT OF CONTACT: RJ DELORTO PHONE: 480.220.2280 EMAIL: RJDELORTO@GMAIL.COM

ENGINEER:

LARSON ENGINEERING, INC. 6380 E. THOMAS ROAD, STE 300 SCOTTSDALE, AZ 85251 TEL: 480.212.4200 EMAIL: KSMITH@LARSONENGR.COM CONTACT: KIRK SMITH, P.E.

ARCHITECT:

EAPC ARCHITECTS ENGINEERS 901 E. MADISON ST. PHOENIX, AZ 85034 TEL: 602.441.4505 EMAIL: MICHELLE.BACH@EAPC.NET CONTACT: MICHELLE BACH

SHEET INDEX

C1	COVER SHEET
C2	GRADING & DRAINAGE PLAN
C3	UTILITY PLAN
C4	NOTES & DETAILS
C5	NOTES & DETAILS

SITE DATA:

SITE ADDRESS: 8888 E DESERT COVE AVE SCOTTSDALE, AZ 85260

217-25-002Q EXISTING ZONING:

NET SITE AREA: **1.38 ACRES** 64,479 SF

> 60,000 SF **1.38 ACRES**

1.48 ACRES

QUANTITIES CUT/FILL: CUT = 873 CY

FILL = 3033 CY NET FILL = 1,189 CY

SEWER QUANTITIES:

6" SDR 35 PVC SEWER PIPE	67 LF
SANITARY SEWER CLEANOUT	1 EA
WATER QUANTITIES:	

2" TYPE K COPPER LINE, MAINTAIN 3' COVER MIN. 24 LF INSTALL 6" D.I.P. FIRELINE 104 LF 2" WATER METER 1 EA 2" BACKFLOW PREVENTOR 1 EA PAVEMENT REPLACEMENT PER COS STD DTL 2200 32 SY FIRE HYDRANT COMPLETE ASSEMBLY PER MAG STD DTL 360-3 1 EA TAPPING SLEEVE & VALVE

CITY OF SCOTTSDALE

CIVIL APPROVAL ENGINEERING COORDINATION MGR (OR DESIGNEE) DATE

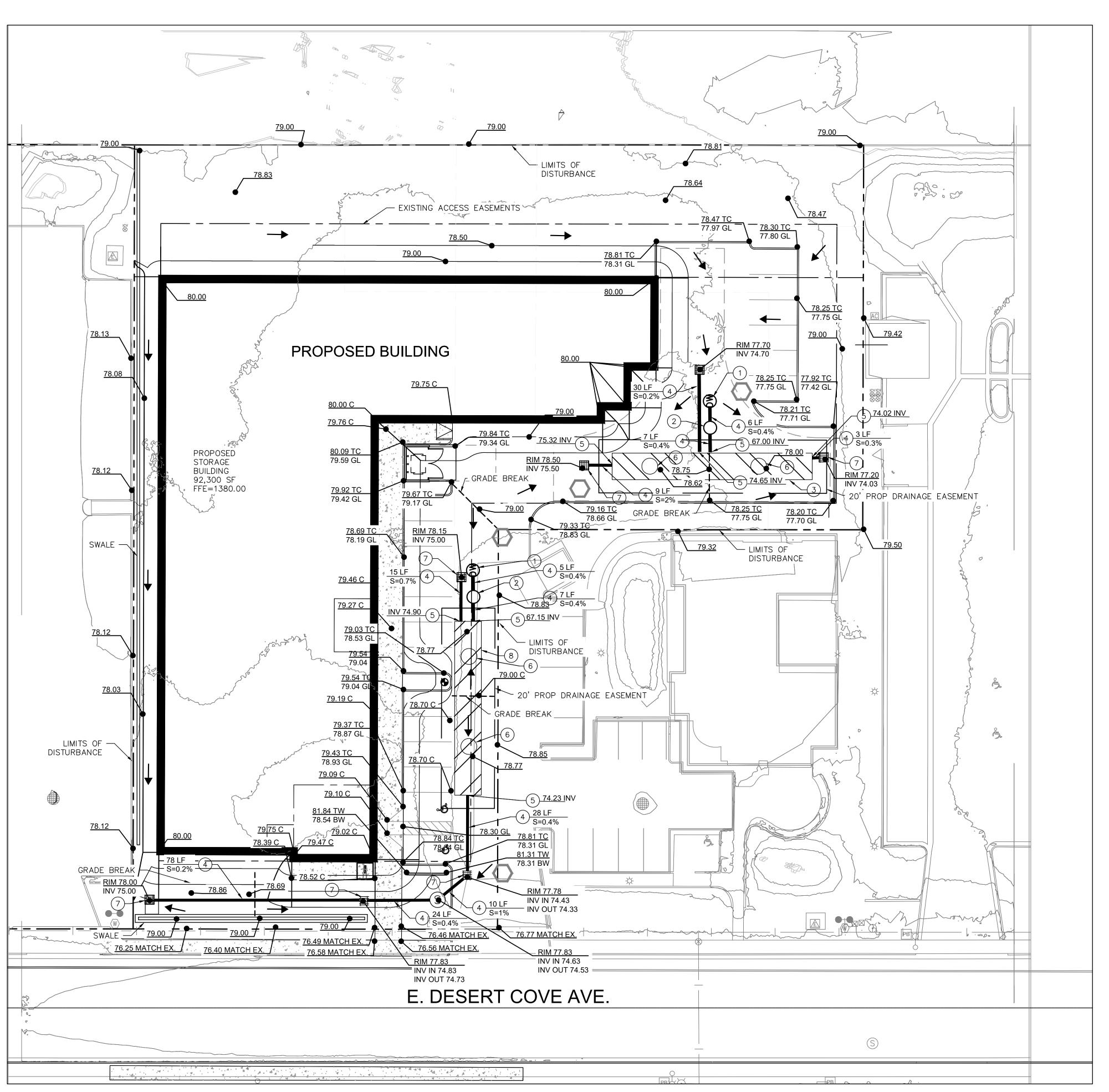
ORAGE က စို

Project #: 6220035 Drawn By: JL

Checked By: DC ssue Date: 09.08.2022 Sheet Title:

SHEET

SPECIFICATIONS UNLESS NOTED OTHERWISE. G:\Projects\2022 Projects\6222 - 2022 - CIVIL\62220035.000 - Desert Cove Self Storage - Scottsdale\4-Design\Cover Sheet.dwg



**Retention required = C*D/12*A

			D	esert Cove Self	Storage		
			F	Retention Calcu	lations		
						RETENTION PROV'D (CF)	
60,000	2.21	0.95	0.45	10,996	4,973	10,498	10,996
*D from City of Appendix	Scottsdale I	sopluvial Map l	ocated in Ap	pendix, C factor fro	m Scottsdale Design Stan	dards Manual Page	20 Included in

LEGEND

950	EXISTING CONTOURS
950 ———	PROPOSED CONTOURS - MAJOR INTERVAL
949	PROPOSED CONTOURS - MINOR INTERVAL
	GRADE BREAK LINE
2.0%	GRADE SLOPE
	WARNING SIGNS
—	FLOW ARROW
	SPOT ABBREVIATIONS:
950.00 TC	TC - TOP OF CURB
949.50 GL	GL - GUTTER LINE

B - BITUMUNOUS C - CONCRETE

EO - EMERGENCY OVERFLOW TW - TOP OF WALL BW - BOTTOM OF WALL (F/G) (*) - EXISTING TO BE VERIFIED

GRADING NOTES

- 1. Tree protection consisting of snow fence or safety fence installed at the drip line shall be in place prior to beginning any grading or demolition work at the site.
- 2. All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
- 3. Grades shown in paved areas represent finish elevation.
- 4. Restore all disturbed areas with 4" of good quality topsoil and seed,
- 5. All construction shall be performed in accordance with state and local standard specifications for construction.

GRADING CONSTRUCTION NOTES

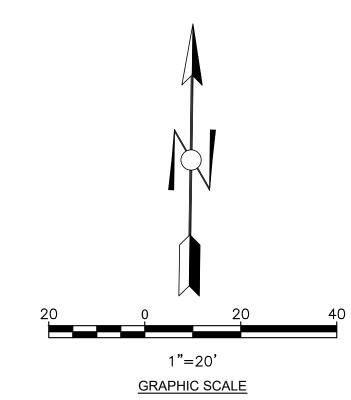
- INSTALL MAXWELL PLUS DUAL CHAMBER DRYWELL. REFER TO ATTACHED CONTECH DETAILS SHEET C4-P5
- 2 INSTALL ACCESS COVER WITH MARKINGS. REFER TO ATTACHED CONTECH DETAILS. C4-P4
- INSTALL CONTECH 10' DIAMETER UNDERGROUND
- CORRUGATED STEEL PIPE 75 LF TOP=76.75 BTM=66.75 PIPE TO HAVE SMOOTH INTERIOR FINISH BOTTOM PER MANUFACTURER'S SPECIFICATIONS ON CONTECH DETAILS PER MAG STD DTL 2254. ACCESS MANHOLE MARKINGS PER CONTECH DETAILS. SEE CONTECH DETAILS FOR PROFILE BOTTOM OF PIPE TO BE SLOPED TO DRYWELL BLEED OFF
- (4) INSTALL 12" PVC STORM DRAIN PIPE, LENGTH PER PLAN
- CONNECT 12" HDPE OR CSP OUTLET W/ SMOOTH SLEEVE ADAPTOR
- 6 INSTALL GRATED ACCESS COVER/INLET. REFER TO ATTACHED CONTECH DETAIL ON PAGE C5.
- 7 INSTALL MAG 535 CATCH BASIN

PIPE. SEE DETAIL ON PAGE C4 - P2.

- INSTALL CONTECH 10' DIAMETER UNDERGROUND
- CORRUGATED STEEL PIPE 65 LF TOP=76.77 BTM=66.77 PIPE TO HAVE SMOOTH INTERIOR FINISH BOTTOM PER MANUFACTURER'S SPECIFICATIONS ON CONTECH DETAILS PER MAG STD DTL 2254. ACCESS MANHOLE MARKINGS PER CONTECH DETAILS. SEE CONTECH DETAILS FOR PROFILE BOTTOM OF PIPE TO BE SLOPED TO DRYWELL BLEED OFF PIPE. SEE DETAIL ON PAGE C4 - P2.

BENCHMARK:

CITY OF SCOTTSDALE BENCHMARK #8194 BRASS CAP IN HANDHOLE AT INTERSECTION OF NORTH 92ND STREET AND EAST CHOLLA STREET. ELEVATION = 1388.481 (NAVD88 DATUM).

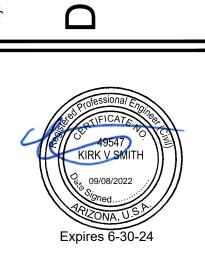


Desert Cove Self Storage					
	Retention Calculations				
Volume Storage (CF)	Percolation Rate Drywell (cfs)	Percolation Time (hours)	Drywells Req'd (EA)		
10996	0.10	30.5	1.0		

	Desert Cove Self Storage					
	Underground Storage Tanks					
Pipe Diameter (ft)	Volume per LF (cf)	Retention Req'd (cf)	Length Pipe Req'd (LF)	Total Length of Pipe Prov'd (If)	Total Volume Prov'd	
10	78.5	10,498	133.7	140	10,996	



ORAGE

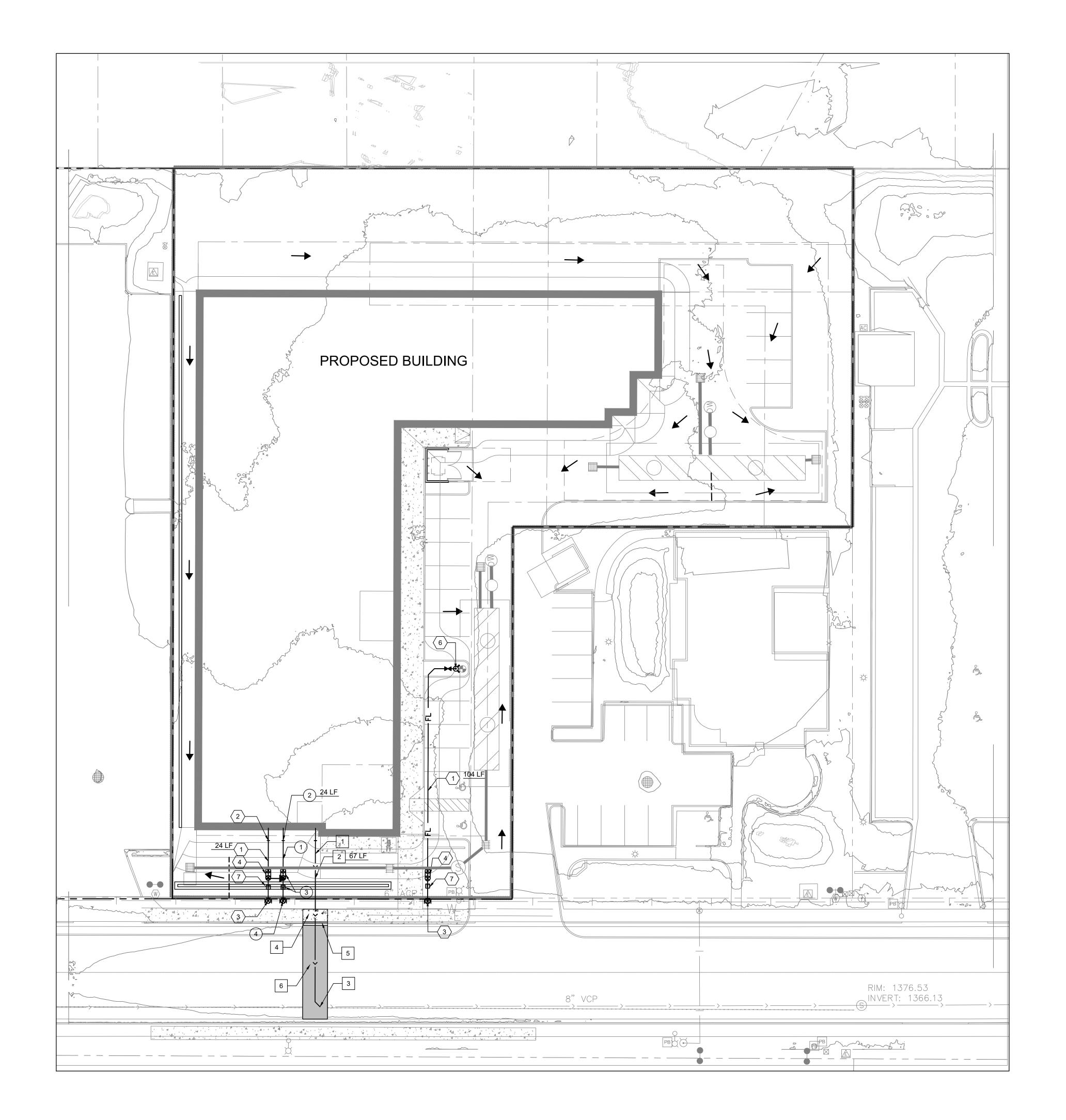


က ယ

Rev. Date Description Project #: 6220035

Drawn By: JL Checked By: DC Issue Date: 09.08.2022 Sheet Title:

GRADING PLAN



SEWER CONSTRUCTION NOTES

CONNECT SANITARY SERVICE AT 5' OUTSIDE BLDG. SEE PLUMBING PLANS FOR CONTINUATION

INSTALL 6" PVC SEWER PIPE @ 1.0% MIN. PROVIDE TRACER WIRE FOR NON-METALLIC PIPES.

3 CONNECT TO EXISTING SEWER MAIN PER MAG STD DTL 440-2.

REMOVE AND REPLACE EXISTING 4" THICK CONCRETE SIDEWALK PER MAG STD DTL 230. MATCH EXISTING SIDEWALK SECTION IF THICKNESS IS GREATER THAN 4"

5 REMOVE AND REPLACE EXISTING VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1.

REMOVE AND REPLACE EXISTING BITUMINOUS ROAD SECTION. MATCH EXISTING THICKNESS OF AGGREGATE AND BITUMINOUS.

) WATER CONSTRUCTION NOTES

1) INSTALL 2" TYPE 'K' COPPER WATER LINE

CONNECT WATER SERVICE AT 5' OUTSIDE BLDG. SEE PLUMBING PLANS FOR CONTINUATION

3 INSTALL 2" WATER METER WITH 2" BACKFLOW PREVENTOR AND CAGE PER MAG STD DTL 320

INSTALL TAPPING SLEEVE WITH VALVE BOX AND COVER PER MAG STD DTL 340. CONTRACTOR TO VIF SIZE AND LOCATION OF EXISTING WATERMAIN.

FIRE LINE CONSTRUCTION NOTES

1 INSTALL 6" DUCTILE IRON FIRE SUPPRESSION SERVICE

CONNECT FIRE SUPPRESSION SERVICE AT 5' OUTSIDE BLDG - SEE PLUMBING PLANS FOR CONTINUATION

INSTALL TEE WITH VALVE BOX AND COVER PER COS DTL 2362-1 & DSPM 6-1.504, OR MAG STD DTL 391-1 TYPE C AND MAG STD DET 270

4 INSTALL 6" DOUBLE CHECK BACKFLOW PREVENTOR

REMOVE AND REPLACE EXISTING 4" THICK CONCRETE SIDEWALK PER MAG STD DTL 230. MATCH EXISTING SIDEWALK SECTION IF THICKNESS IS GREATER THAN 4"

6 INSTALL FIRE HYDRANT PER MAG STD DTL 360-2

INSTALL FIRE LINE VALVE BOX AND COVER PER MAG STD DET 391-1 TYPE C AND MAG STD DET 270, SEE CITY OF SCOTTSDALE STD DET 2362-2

LEGEND

NEW FIRE HYDRANT

--- WATERLINE FIRELINE SEWERLINE

> 1"=20' **GRAPHIC SCALE**

TORAGE LE, AZ 85260

SERT 8888 E DESE

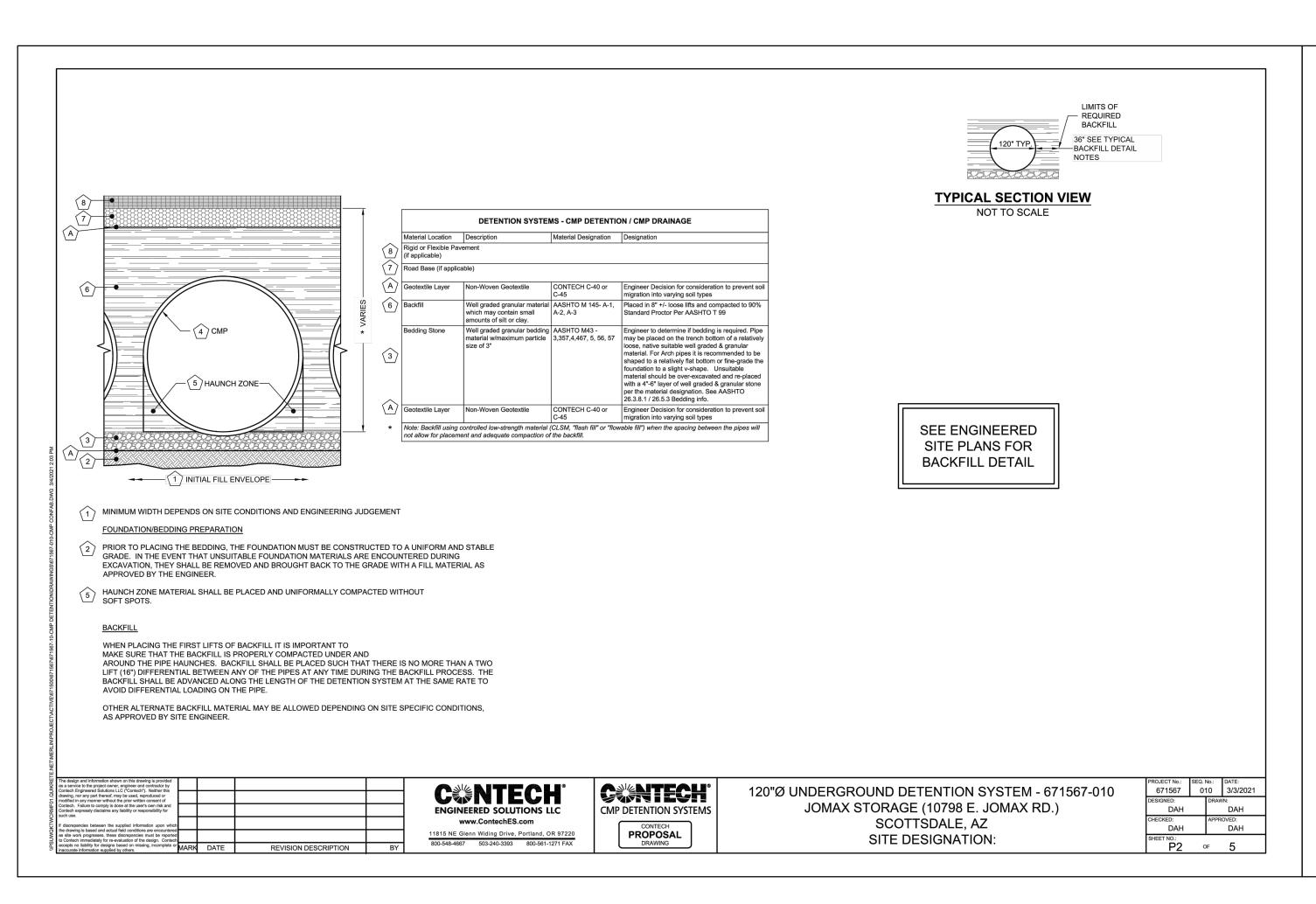


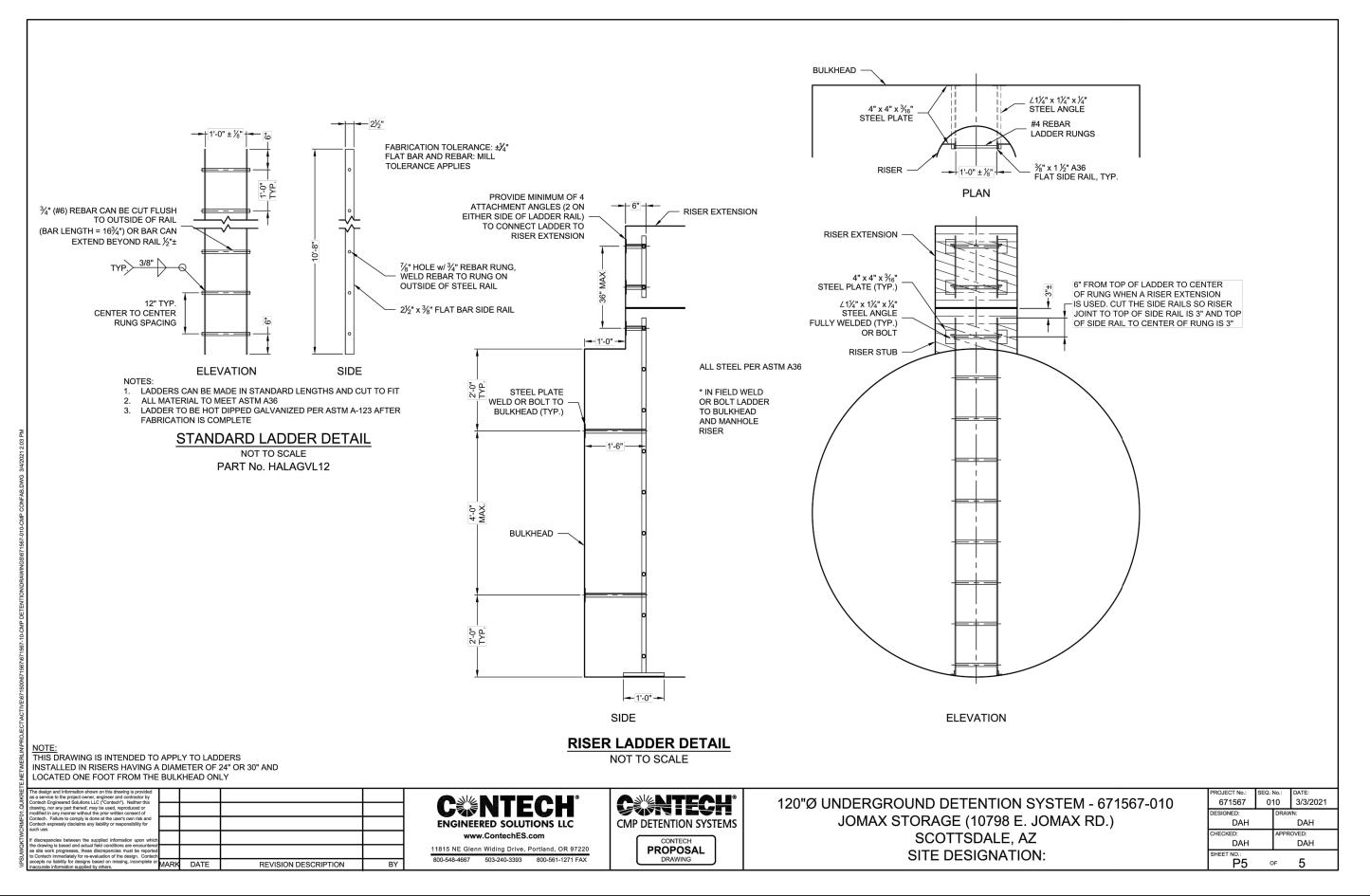
٧.	Date	Description	_

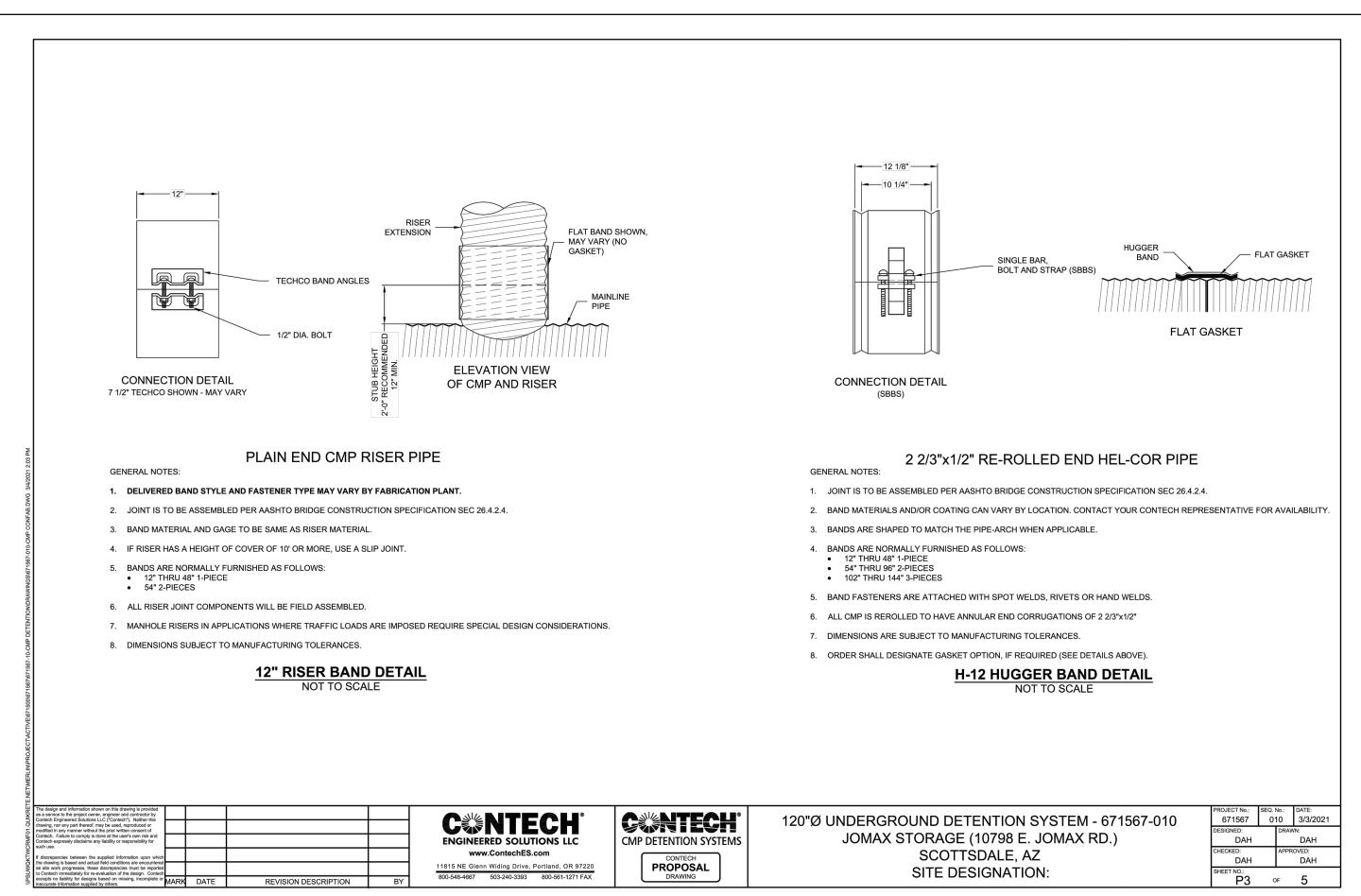
Project #: 6220035 Drawn By: JL

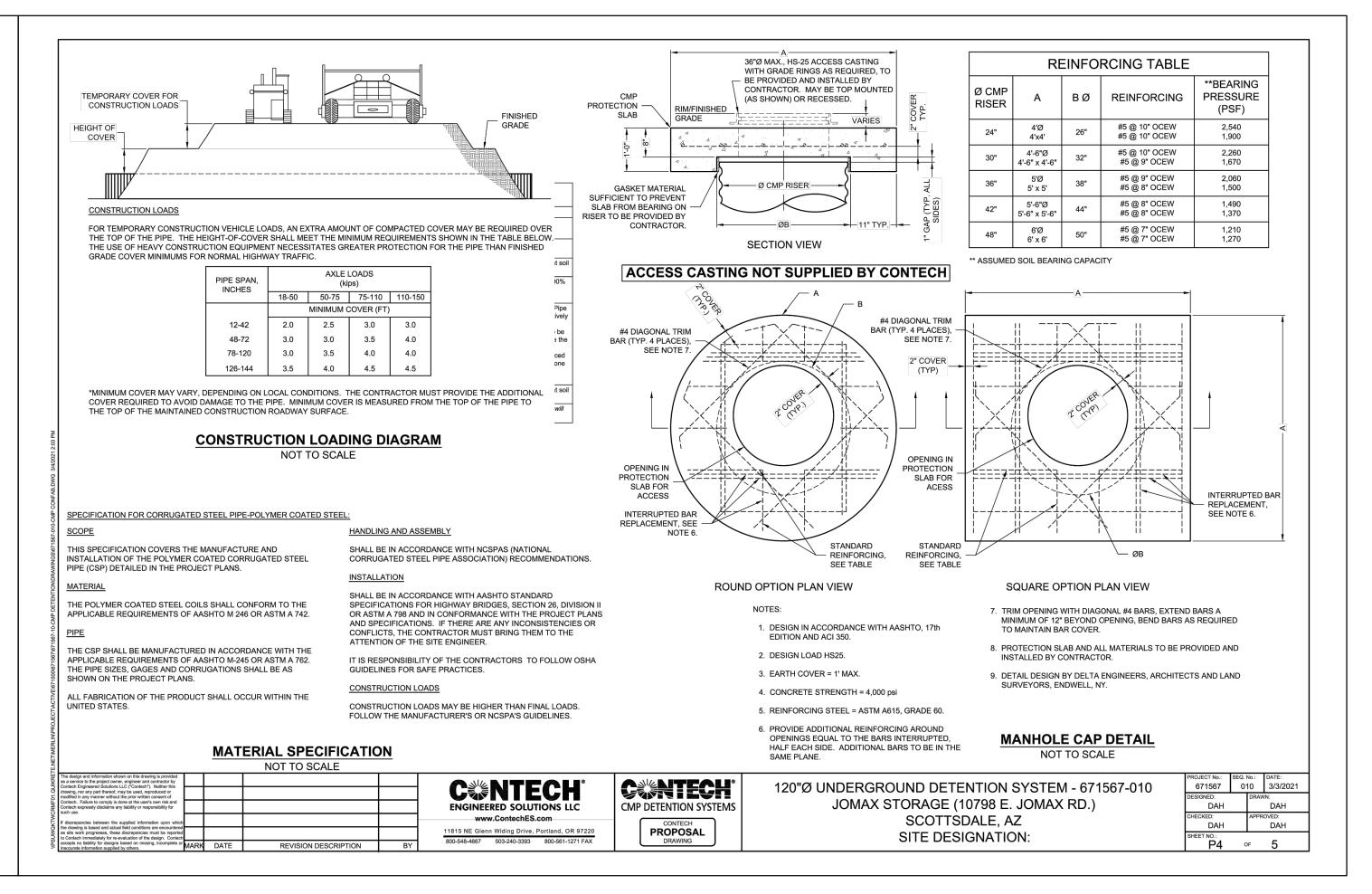
Checked By: DC Issue Date: 09.08.2022 Sheet Title:

UTILITY PLAN









Ш

S

(D)

<

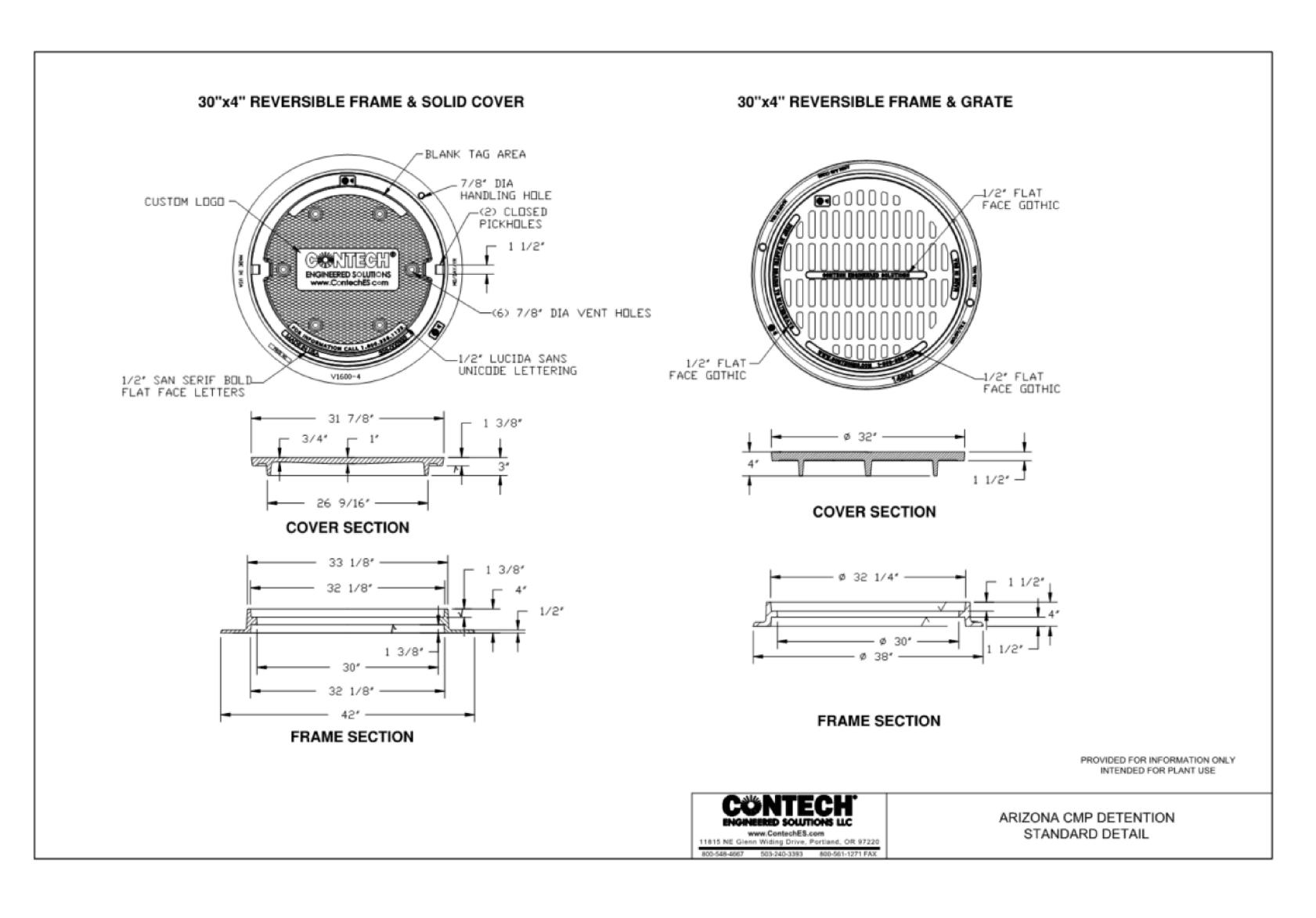
0 R

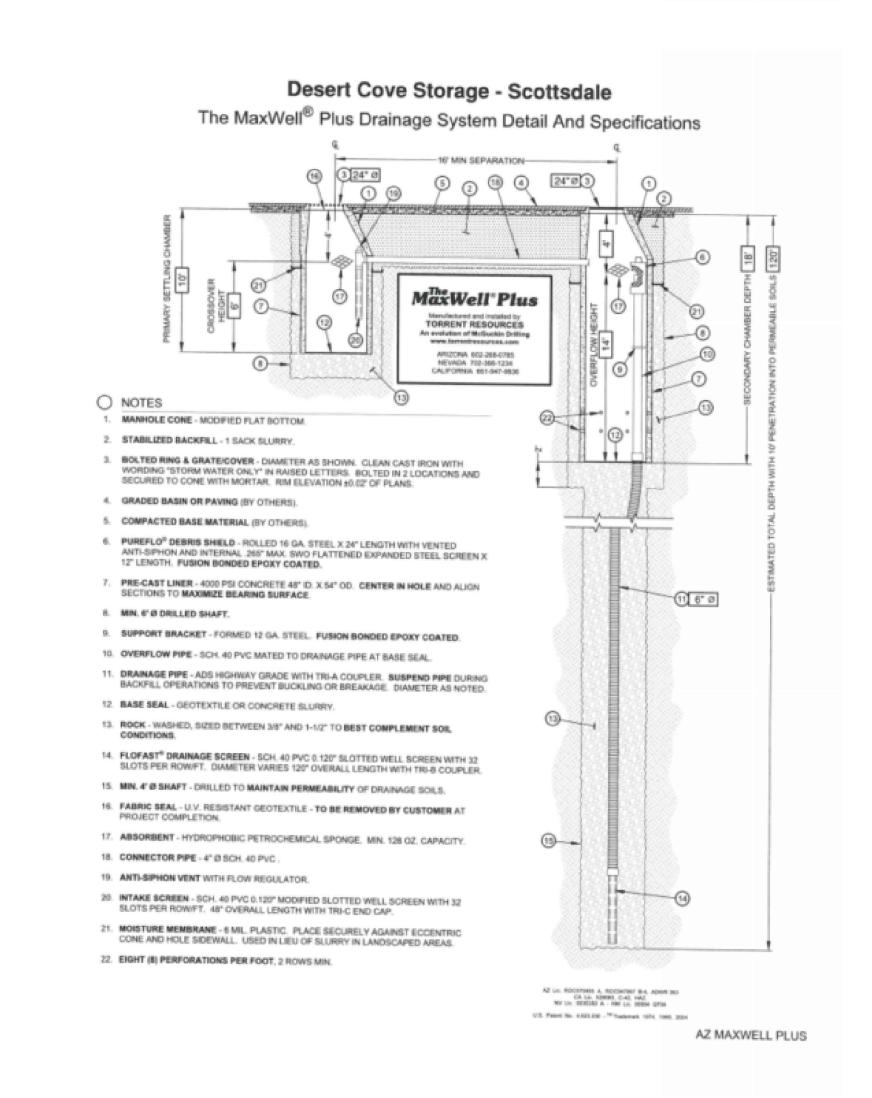
Date Description

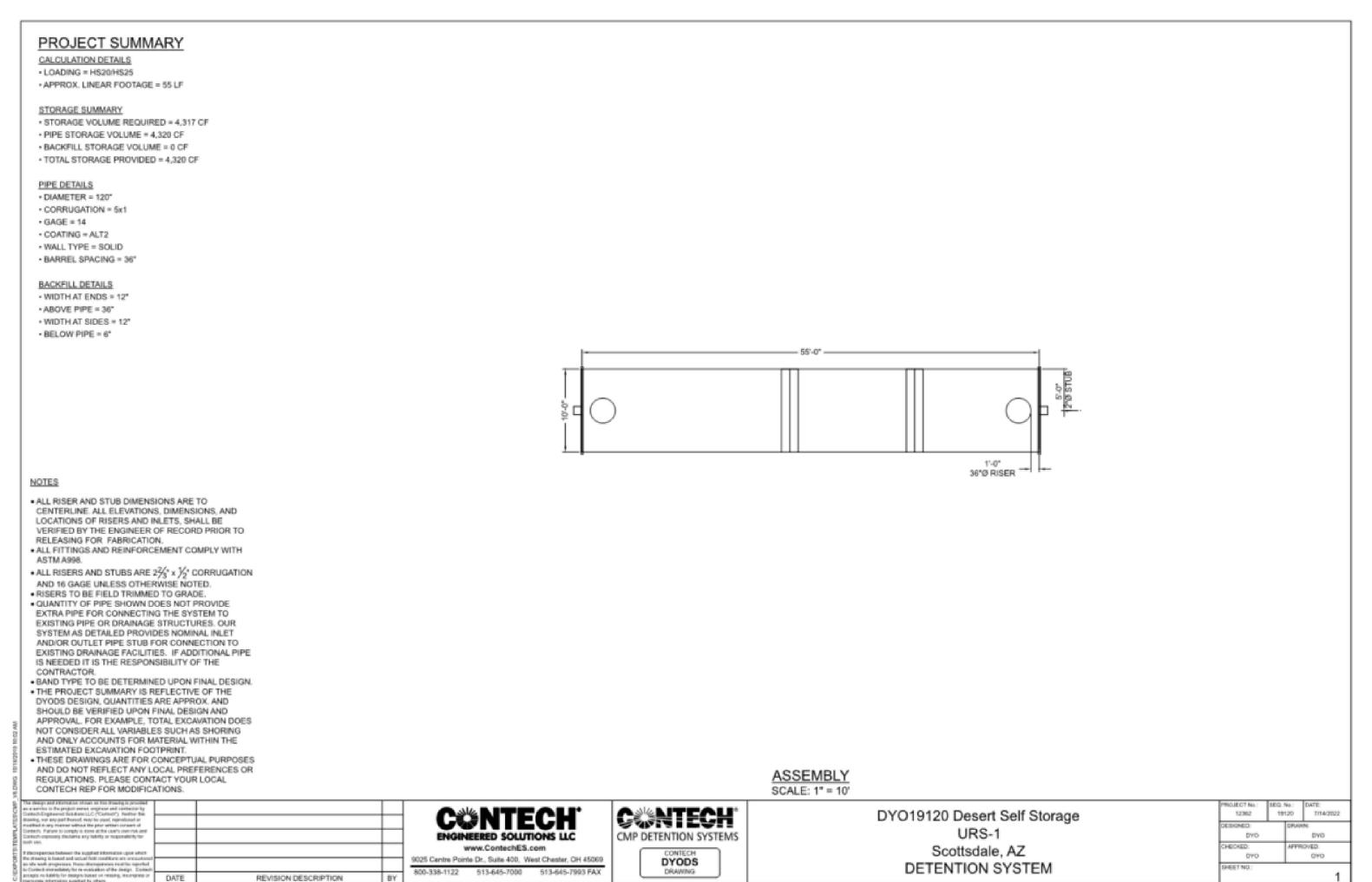
Project #: 6220035 Drawn By: JL Checked By: DC Issue Date: 09.08.2022

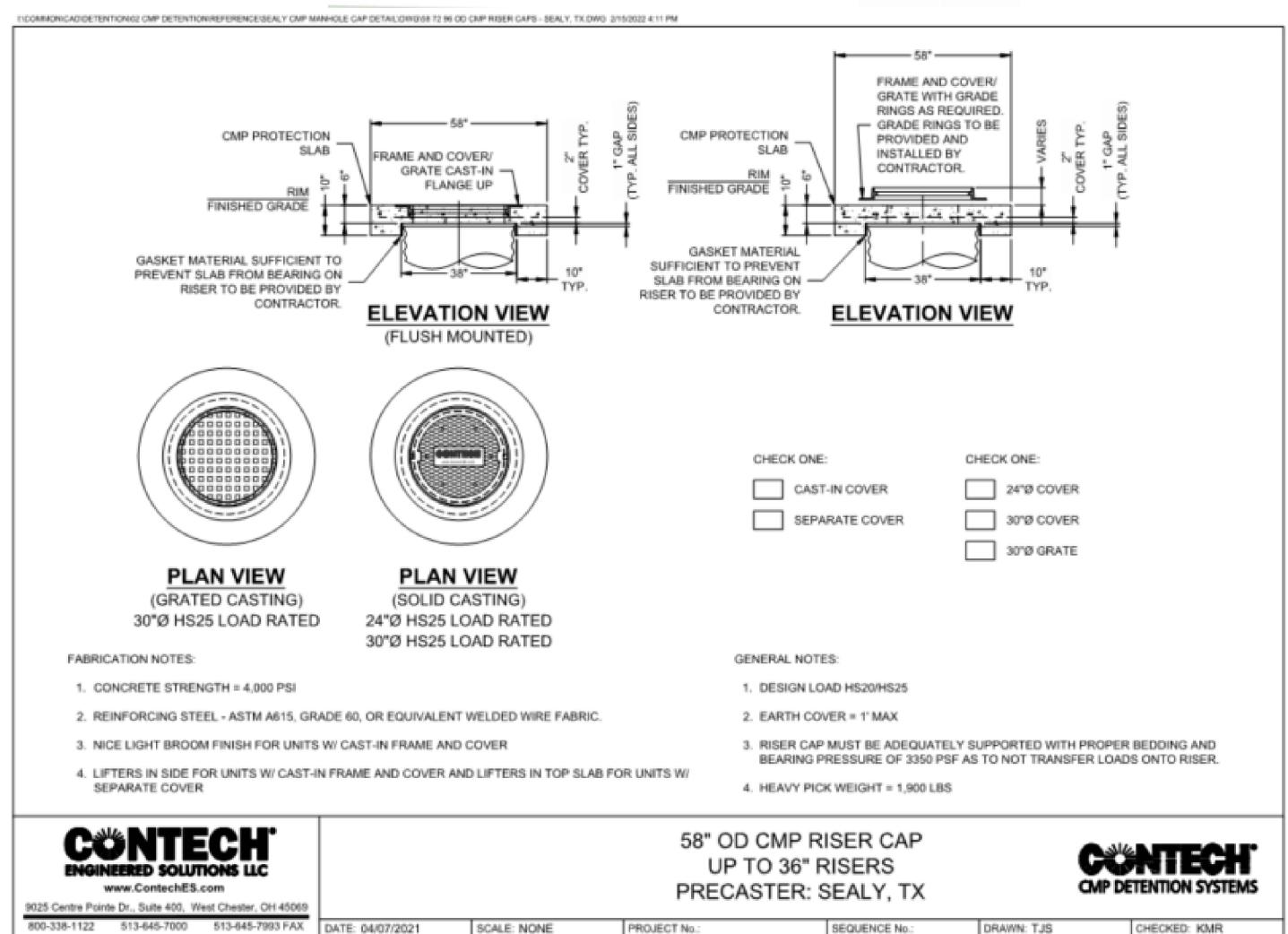
Sheet Title:

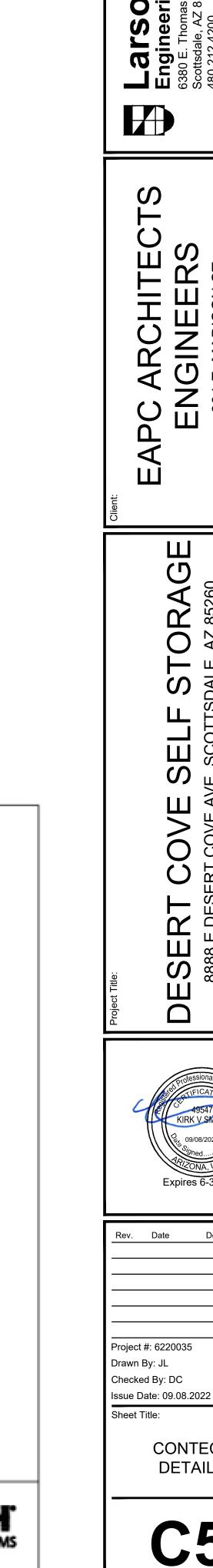
CONTECH **DETAILS**











(J

S

Description

CONTECH

DETAILS