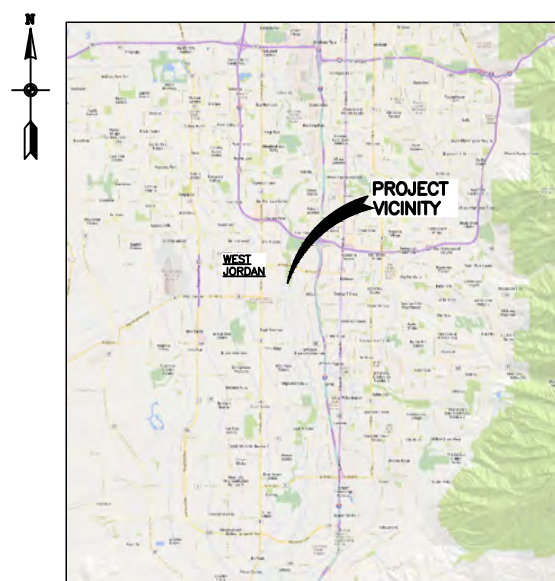


CONSTRUCTION DRAWINGS FOR

SOUTH VALLEY WATER RECLAMATION FACILITY

2025 DAFT REHABILITATION PROJECT



PROJECT VICINITY MAP
NTS

INDEX OF DRAWINGS		
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GENERAL		
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3	SITE PLAN	C01
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PROJECT LOCATION MAP
NTS



801-828-7805
1307 N LOCUST LANE
PROVO UT 84604



VERIFY SCALE: BAR IS 1"
IN ORIGINAL DRAWING

REVISION BLOCK		
#	DATE	DESCRIPTION

PROJECT: #014-2024-001 DRAWN BY: JPL
DATE: 9/2025 CHECKED BY: JWO

SOUTH VALLEY WATER
RECLAMATION FACILITY
2025 DAFT
REHABILITATION
PROJECT

DRAWING G01
SHEET 1 OF 6

GENERAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH SOUTH VALLEY WATER RECLAMATION FACILITY DESIGN STANDARDS AND PUBLIC IMPROVEMENT SPECIFICATIONS.
2. CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR SAFETY OF THE JOBSITE.
3. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS (INCLUDING PERMIT FEES) AND COMPLY WITH THE REGULATIONS AND REQUIREMENTS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN (PER MUTCD SPECIFICATIONS AND STANDARDS) BY A CERTIFIED TRAFFIC CONTROL TECHNICIAN TO THE CITY FOR REVIEW AND TO ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION AT THE PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING CONSTRUCTION. A 24 HOUR EMERGENCY CONTACT PERSON SHALL BE IDENTIFIED IN THE TRAFFIC CONTROL PLAN. FLAGGERS MUST BE CERTIFIED. CONTRACTOR SHALL CONTACT AND COORDINATE WITH LOCAL RESIDENTS TO MINIMIZE INCONVENIENCE AND INTERRUPTION OF ACCESS ONE WEEK BEFORE THE START OF THE PROJECT AND THROUGHOUT THE CONSTRUCTION IN THE ROAD RIGHT-OF-WAY.
5. CONTRACTOR SHALL KEEP ALL CONSTRUCTION WORK WITHIN THE EXISTING ROAD RIGHT -OF-WAY OR EASEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLES AND EQUIPMENT, MATERIALS, TRENCH EXCAVATION AND BACKFILL MATERIAL.
6. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PRESERVE AND PROTECT EXISTING STRUCTURES, WALLS, DRIVEWAYS, FENCES, LANDSCAPING, TREES, CURB AND GUTTER, MAILBOXES, SIDEWALK, AND OTHER IMPROVEMENTS. ANY SUCH IMPROVEMENTS REMOVED OR DAMAGED BY CONTRACTOR'S ACTIVITY SHALL BE REPLACED OR REPAIRED TO ORIGINAL OR BETTER CONDITION ACCORDING TO THE SPECIFICATIONS OF THE GOVERNMENTAL ENTITY HAVING JURISDICTION, AT THE SOLE EXPENSE OF THE CONTRACTOR.
7. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES, PIPE SIZES AND OTHER UTILITIES BEFORE ANY CONSTRUCTION.
8. UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION PROVIDED BY OTHERS, AND SHOULD BE CONSIDERED APPROXIMATE AND FOR GENERAL INFORMATION ONLY. CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKES AND IS RESPONSIBLE TO LOCATE AND PROTECT ALL UTILITIES IN THE PROJECT AREA, INCLUDING THOSE THAT MAY NOT BE SHOWN OR THAT MAY BE SHOWN INCORRECTLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY UTILITY DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS. RELOCATIONS AND/OR REPLACEMENTS OF EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR WITH THE UTILITY OWNER. CONTRACTOR SHALL CONTACT, SCHEDULE, AND ESTABLISH ANY REQUIRED UTILITY SHUT DOWN TIMES AND DETERMINE THE RELOCATION AND/OR REPLACEMENT REQUIREMENTS OF EXISTING UTILITIES PRIOR TO THE START OF ANY WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS. ANY DISCREPANCIES OBSERVED BY THE CONTRACTOR SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
9. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY PROPERTY OR STREET SURVEY MONUMENTATION THAT IS DISTURBED BY HIS OPERATIONS AT NO ADDITIONAL EXPENSE TO THE CITY. SURVEY MONUMENT WORK SHALL BE DONE IN ACCORDANCE WITH GOVERNING AGENCY REQUIREMENTS.
10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY ACCESS FOR ALL BUSINESSES AND RESIDENTS IMPACTED BY CONSTRUCTION OF THE PROJECT
11. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMANCE WITH LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND PROTECTION OF PERSONNEL AND WORKERS. TRENCH SUPPORTS AND DE-WATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEDIMENT CONTROL AND THE PREVENTION OF EROSION. STABILIZING DISTURBED EARTH SURFACES AND PROTECTION OF MATERIAL STOCKPILES SHALL BE CONDUCTED TO MINIMIZE EROSION.

PROJECT NOTES

1. ALL COATING SHALL BE APPLIED BY ROLLER BRUSH PER SPECIFICATIONS. NO SPRAY APPLICATION WILL BE PERMITTED.
2. EQUIPMENT MAY BE DISMANTLED OR REMOVED TO FACILITATE THOROUGH CLEANING AND ROLLER BRUSH COATING PER SPECIFICATIONS, BUT SHALL BE REASSEMBLED AND PUT BACK TO OPERATIONAL SERVICE.
3. SVWRF WILL PROVIDE NEW RUBBER WEAR PADS FOR THE SCUM SCRAPER.
4. CONTRACTOR SHOULD REMOVE, PRESERVE AND PROTECT AND REUSE ANY HARDWARE REMOVED FOR COATING APPLICATION OR OTHER WORK.

CONTACTS

- OWNER

SOUTH VALLEY WATER RECLAMATION FACILITY
TAIGON WORTHEN P.E. 801-495-5469

DESIGN FIRM

- ENGINEER

JWO ENGINEERING, PLLC
JARED OLDROYD P.E.
801-828-7805

OTHER CONTACTS

- GAS QUESTAR GAS (EMERGENCY)

800-767-1689
- BLUE STAKES

811

ABBREVIATIONS

Ⓢ	AT	MATL	MATERIAL
AB	ANCHOR BOLT	MAX	MAXIMUM
ADD'L	ADDITIONAL	MFR	MANUFACTURER
AL	ALUMINUM	MH	MANHOLE
APPROX	APPROXIMATE	MUTCD	MANUAL UNIFORM
ASSY	ASSEMBLY		TRAFFIC CONTROL DEVICES
		MIN	MINIMUM
BEG	BEGINNING	MISC	MISCELLANEOUS
BLDG	BUILDING		
		N	NORTH
C	CONDUIT	NTS	NOT TO SCALE
CB	CATCH BASIN		
CFM	CUBIC FEET PER MINUTE	OC	ON CENTER
CFS	CUBIC FEET PER SECOND	OPNG	OPENING
CL	CENTERLINE		
CLR	CLEAR, CLEARANCE	PH	POTHOLE
CO	CLEAN OUT BOX	PI	PRESSURE IRRIGATION
CONC	CONCRETE	PS	PUMPED SEWER
CONN	CONNECTION	PT	POINT
CONST	CONSTRUCTION	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	PW	POTABLE WATER
CPLG	COUPLING		
CTRD	CENTERED		
CTR	CENTER	R	RADIUS
CU FT	CUBIC FOOT	RCP	REINFORCED CONCRTE PIPE
		RCB	REINFORCED BOX CULVERT
DEFL	DEFLECTION	RDCR	REDUCER
DI	DUCTILE IRON	REINF	REINFORCED, REINFORCING
DIA	DIAMETER	REQD	REQUIRED
DWG	DRAWING	RT	RIGHT
DWL	DOWEL	RW	RAW WATER
		S	SOUTH
E	EAST	SCH	SCHEDULE
EA	EACH	SD	STORM DRAIN
EG	EXISTING GRADE	SIM	SIMILAR
EL	ELEVATION	SLP	SLOPE
ELB	ELBOW	SPD	SUMP PUMP DISCHARGE
ELEV	ELEVATION	SPEC	SPECIFICATION (S)
EQ	EQUAL	SQ	SQUARE
EQL SP	EQUALLY SPACED	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	SST	STAINLESS STEEL
EQUIP	EQUIPMENT	STA	STATION
EW	EACH WAY	STD	STANDARD
EXIST	EXISTING	STL	STEEL
		STRL	STRUCTURAL
FG	FINISH GRADE	STRUCT	STRUCTURE
FL	FLOW LINE		
FLG	FLANGE	T&B	TOP AND BOTTOM
FLR	FLOOR	TBC	TOP BACK CURB
FNSH	FINISH	TDH	TOTAL DEPTH IN HEAD
FT	FEET OR FOOT	TEL	TELEPHONE
FTG	FOOTING	THK	THICK OR THICKNESS
		TOA	TOP OF ASPHALT
G	GAS	TOG	TOP OF GRATE
GA	GAGE OR GAUGE	TOW	TOP OF WALL
GALV	GALVANIZED	TYP	TYPICAL
GE	GROOVED END	UTBC	UNTREATED BASE COURSE
GPM	GALLONS PER MINUTE		
GS	GAS SERVICE LATERAL	VCP	VENT PIPING
HORIZ	HORIZONTAL	W	WATER OR WEST
HP	HORSE POWER	W/	WITH
HSS	HIGH STRENGTH STEEL	W/O	WITHOUT
		WV	WATER VALVE
IE	INVERT ELEVATION	WSTP	WATERSTOP
INV	INVERT	WS	WATER SERVICE LATERAL
JT	JOINT		
LF	LINEAR FEET		
LG	LONG		
LT	LEFT		



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SOUTH VALLEY WATER
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2025 DAFT
REHABILITATION
PROJECT

DRAWING G-02
SHEET 2 OF 6



SITE PLAN



801-828-7805
1307 N LOCUST LANE
PROVO UT 84604



CONSTRUCTION NOTES

1. TO REMAIN IN PLACE.
2. REMOVE INTERIOR EQUIPMENT AS NEEDED.
3. REMOVE EXISTING COATINGS AND CLEAN SURFACES OF METAL EQUIPMENT PER SPECIFICATIONS.
4. APPLY NEW PROTECTIVE COATING SYSTEMS BY ROLLER APPLICATION PER SPECIFICATIONS.
5. BAFFLE WALL ELEVATION TO BE ADJUSTED AND VERIFIED BY OWNER FOR PROJECT COMPLETION.
6. ALL EQUIPMENT TO BE REPLACED AND PUT BACK INTO OPERATIONAL SERVICE FOR PROJECT COMPLETION.
7. EXISTING DRIVE UNIT SHOULD BE POWER TOOL CLEANED AND REPAINTED (NO SANDBLASTING OF DRIVE).
8. EXISTING COLLECTION WELL SHALL BE PROTECTED FROM BLAST MEDIA (KEEP SAND AND MEDIA OUT OF COLLECTION WELL).

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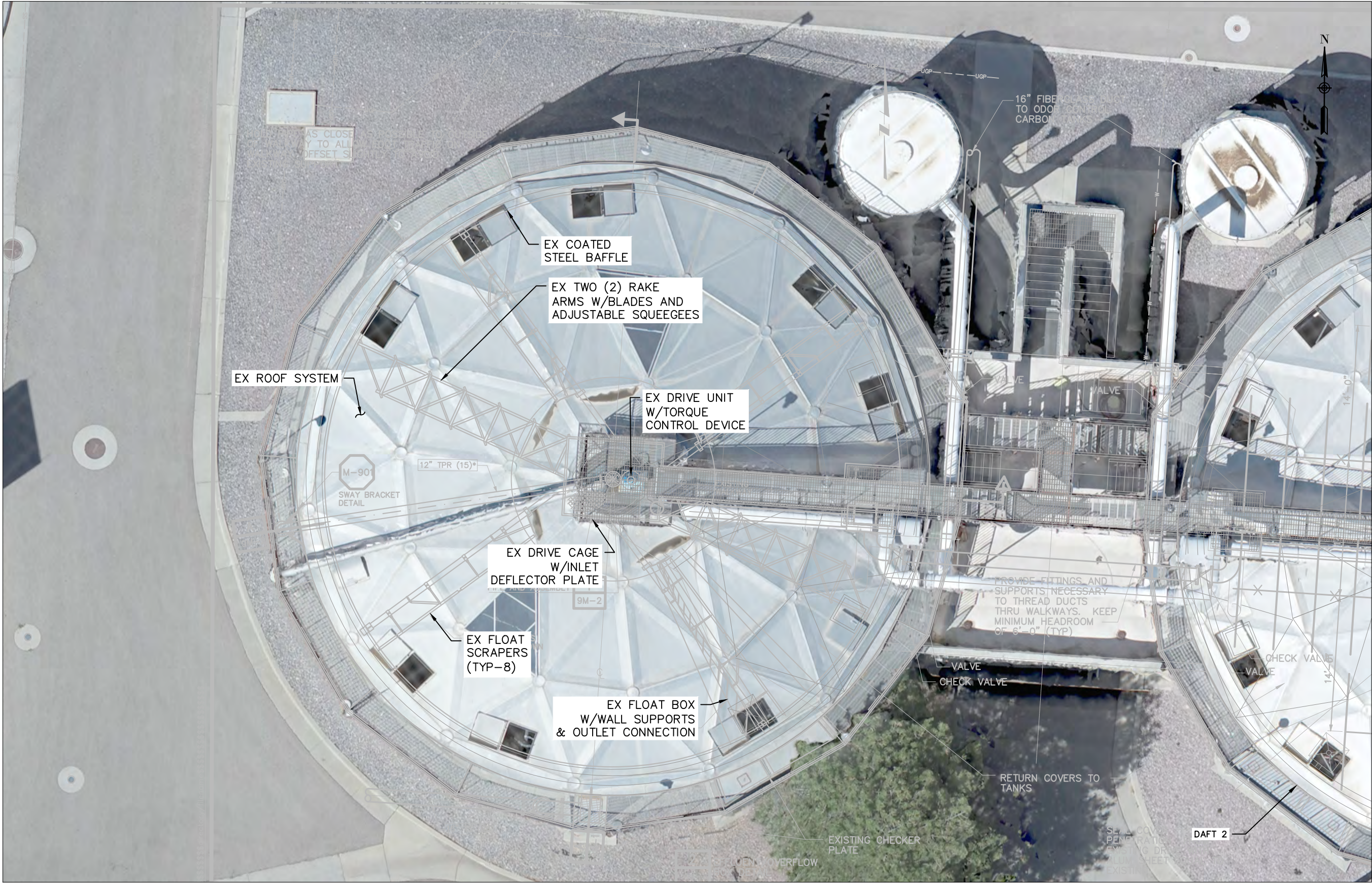
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**SOUTH VALLEY WATER
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DRAWING C01
SHEET 3 OF 6



EX DAFT 1 PLAN VIEW



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CONSTRUCTION NOTES

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**SOUTH VALLEY WATER RECLAMATION FACILITY
2025 DAFT REHABILITATION PROJECT**

DRAWING C02
SHEET 4 OF 6



801-828-7805
1307 N LOCUST LANE
PROVO UT 84604



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COATING SYSTEMS

1. SUBMERGED METALS (BAFFLE, FLOAT BOX, RAKES, FLOAT SCRAPERS, DRIVE CAGE, WEIR AND SUPPORTS, EXCEPT SS SUPPORTS)
2. NON-SUBMERGED METALS (DRIVE UNIT)
3. GALVANIZED METAL REPAIR (HAND RAIL SYSTEMS OR OTHER MISCELLANEOUS REPAIR)
4. NO COATING

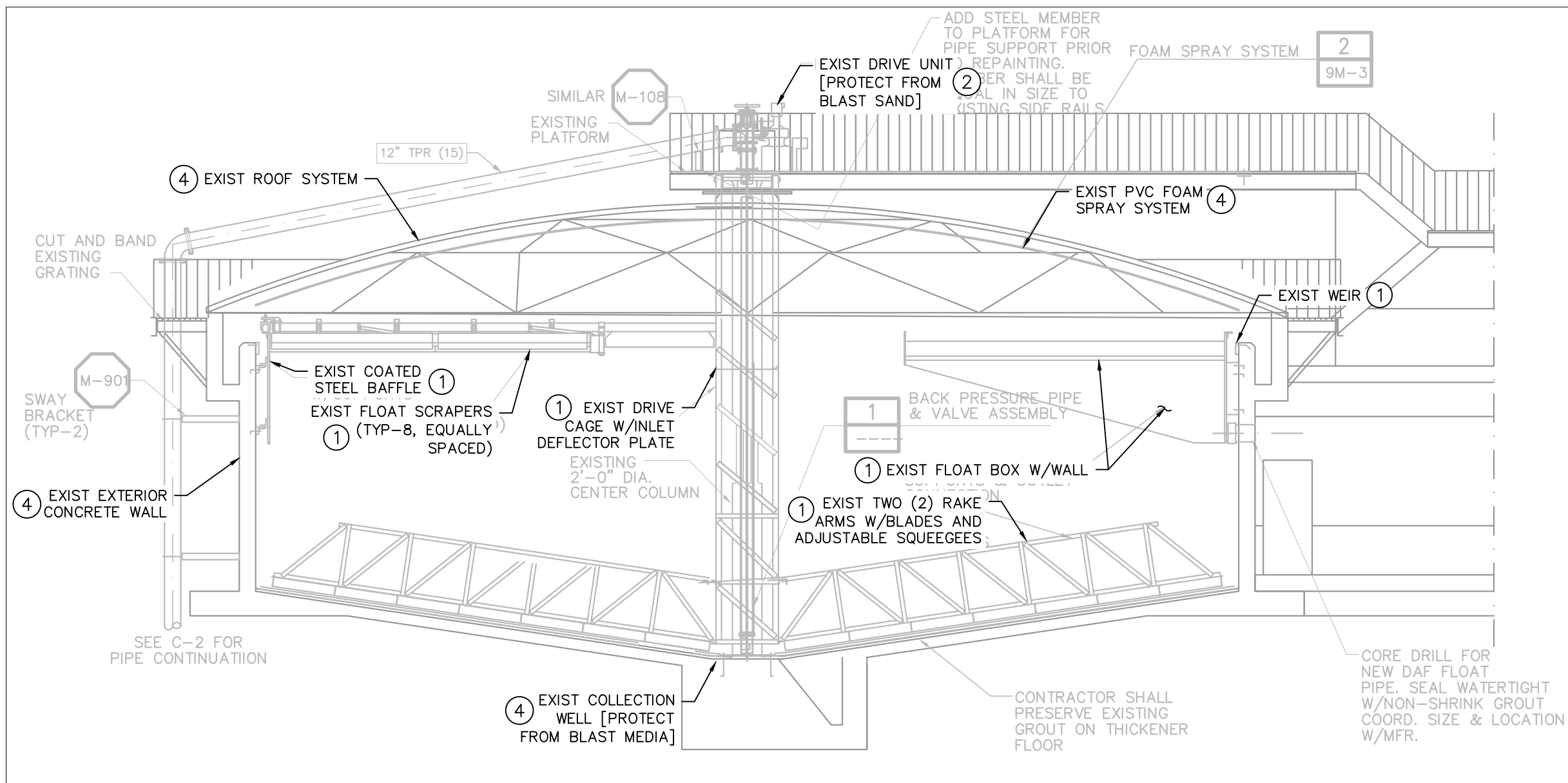
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SOUTH VALLEY WATER
RECLAMATION FACILITY
2025 DAF
REHABILITATION
PROJECT

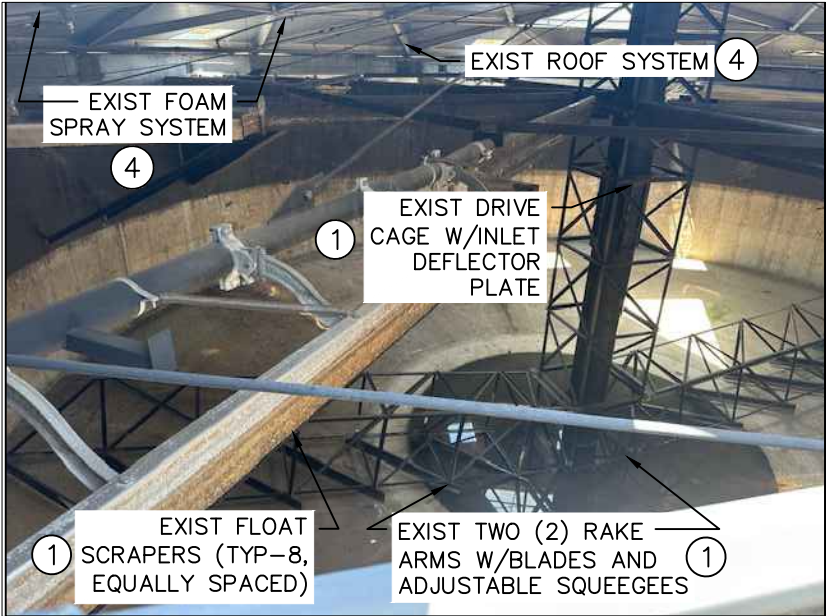
DRAWING C03
SHEET 5 OF 6



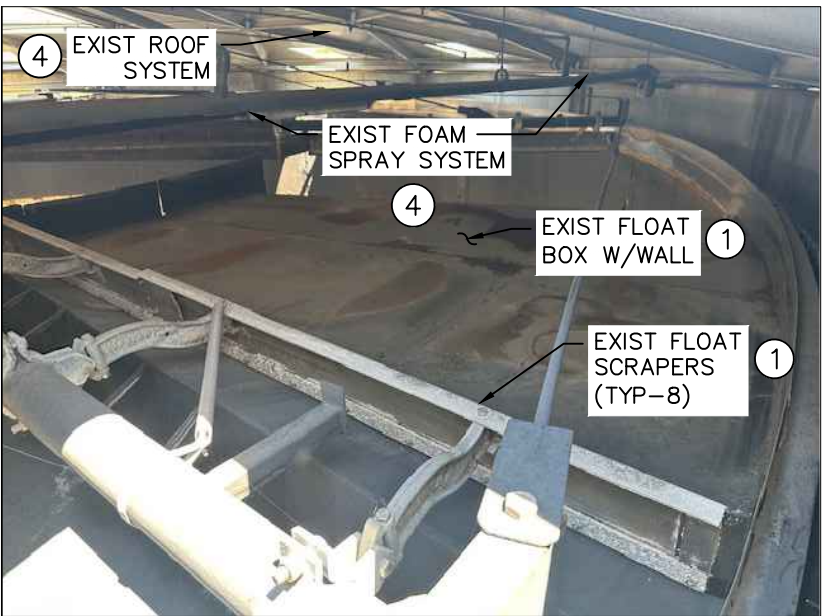
EX DAF THICKENER SECTION

NTS

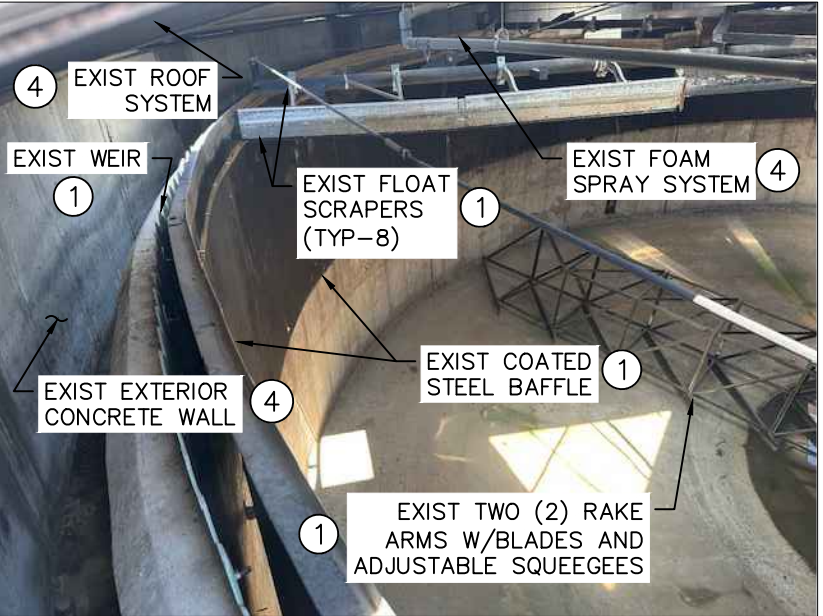
CONTRACTOR SHALL REMOVE, PRESERVE AND PROTECT AND REUSE ANY HARDWARE REMOVED FOR COATING OR OTHER WORK.



DAFT 1 IMAGE
NTS

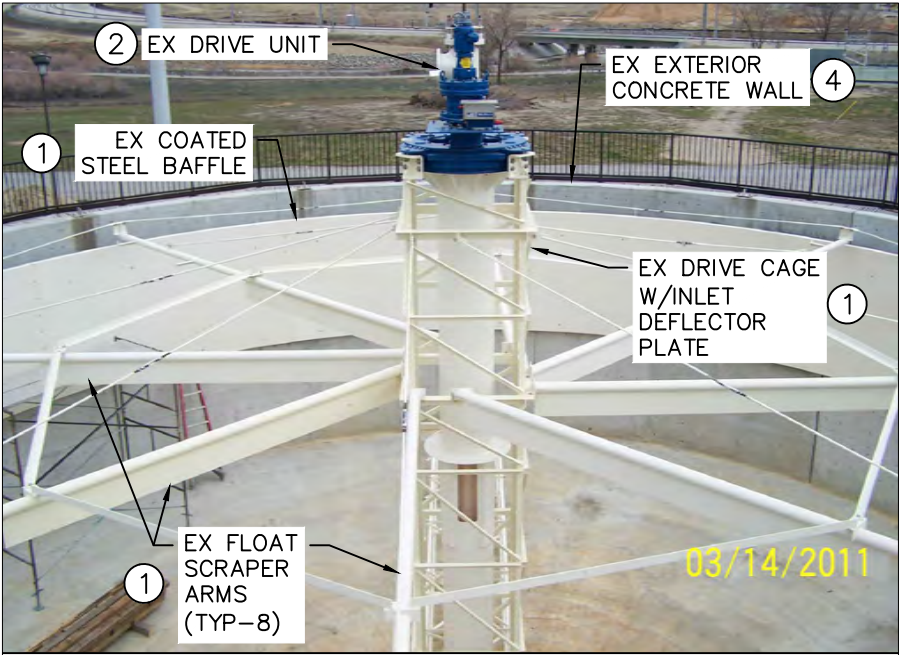


DAFT 1 IMAGE
NTS

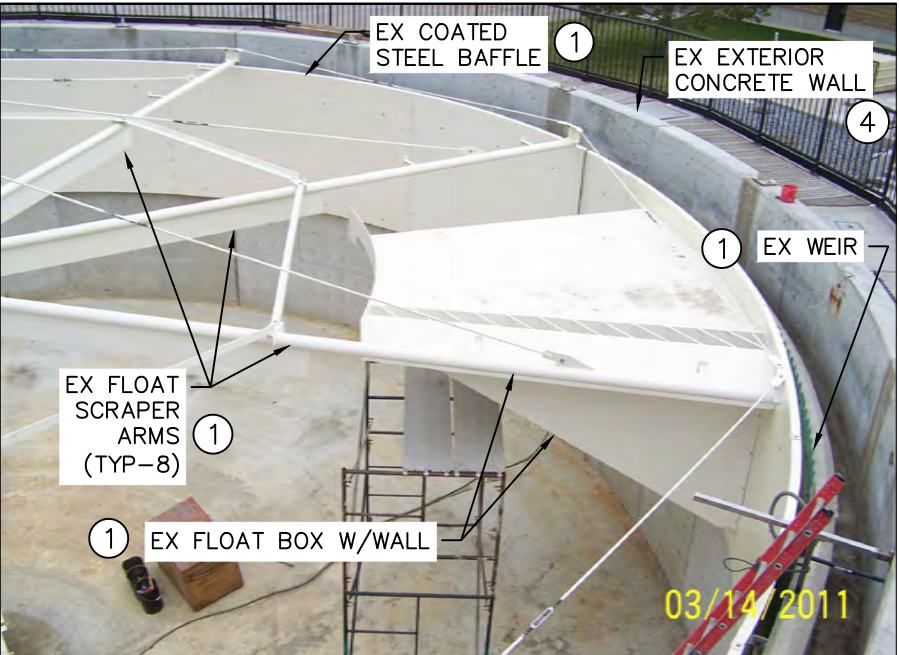


DAFT 1 IMAGE
NTS

DAFT 2 UNIT IS SIMILAR TO DAFT 1. DAFT 2 IMAGES ARE USED FOR VISUAL INFORMATIONAL PURPOSES ONLY.



DAFT 2 IMAGE
NTS



DAFT 2 IMAGE
NTS



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DRAWING C04
SHEET 6 OF 6