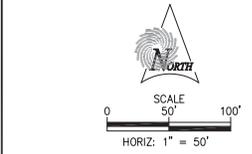


LEGEND

- MANHOLE
- ⊙ POWER POLE
- ✱ LIGHT POLE
- ⊖ GUY WIRE
- ⊕ FIRE HYDRANT
- ⊙ WATER METER
- ⊕ WATER VALVE
- ⊕ WATER VALVE
- ⊖ SIGN
- ☐ TELEPHONE JUNCTION BOX
- ☐ CABLE RISER
- ☐ ELECTRICAL JUNCTION BOX
- ☐ CATCH BASIN
- ⊙ EMERGENCY SHUT OFF SWITCH
- BALLARD



CLICK OR SCAN FOR SITE VIDEO



SCAN QR CODE FOR SITE PDF



CLICK LINK FOR SITE IMAGE

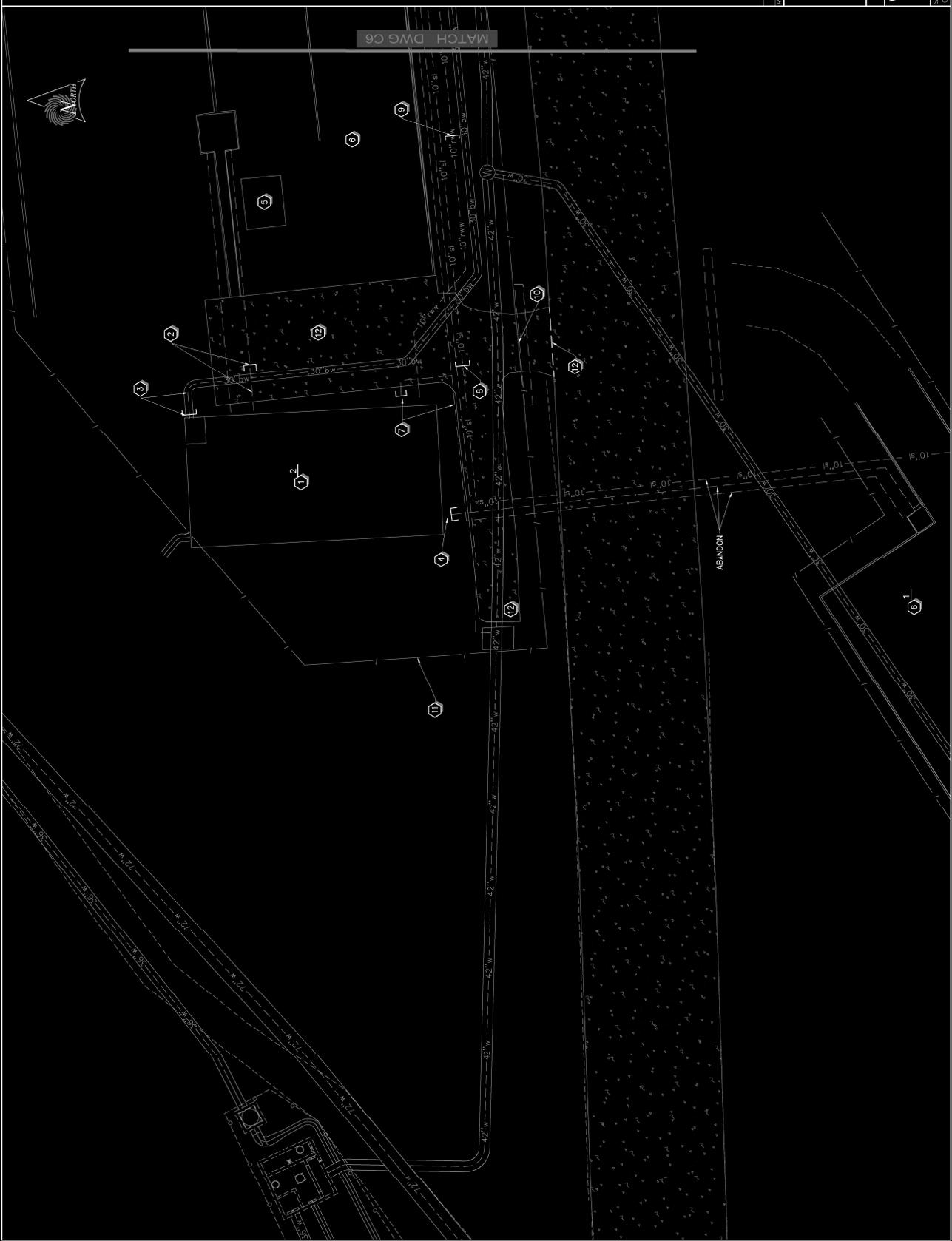
REV. NO.	REVISIONS PER WHO?	DATE
0		



SUNRISE ENGINEERING
 12227 S. BUSINESS PARK DR., SUITE 220
 DRAPER, UTAH 84020
 TEL 801.523.0100 • FAX 801.523.0990
 www.sunrise-eng.com

OGDEN CITY
 WATER TREATMENT PLANT
 3D SCAN SITE PLAN

SET NO. 04655	SURVEYED CL	DRAWN KD	CHECKED CL	SHEET NO. 14 of 244	C2
------------------	----------------	-------------	---------------	------------------------	-----------



DEMOLITION SCHEDULE

- 1) CONVERT EXISTING FWV BASIN TO SLURRY SLUDGE VAULT
- 2) DEMOLISH 20 LF OF 8" RETURN DECANT PIPE, CAP & ABANDON REMAINING LINE
- 3) ABANDON 30" FWV PIPE & SEAL VAULT ENTRANCE, DEMO AS NEEDED
- 4) ABANDON 8" RETURN DECANT PIPE & SEAL VAULT ENTRANCE
- 5) DEMOLISH EXISTING STORAGE SHED
- 6) DEMOLISH SLUDGE DRYING BED #2 & #3
- 7) ABANDON 6" UTILITY WATER PIPE & SEAL VAULT ENTRANCE
- 8) CAP 10" SLUDGELINE PIPE & RE-ROUTE TO SLURRY SLUDGE VAULT, ABANDON REMAINING PIPE LENGTH
- 9) CAP EXISTING 10" RWV LINE AND ABANDON 380 LF OF REMAINING PIPE HEADING EASTWARD
- 10) REMOVE & REPLACE FENCE & GATE TO MATCH NEW ENTRANCE
- 11) REMOVE & REPLACE EXISTING FENCE AROUND ENTIRE SITE
- 12) SAWPAIT & REMOVE EXISTING ASPHALT FOR NEW IMPROVEMENTS

NOTES:

- 1) PROTECT EXISTING 30" OVERFLOW LINE WITH DEMOLITION OF SLUDGE DRYING BED #3
- 2) REMOVE EXISTING RWV SUBMERSIBLE PUMPS

SCALE
 1" = 15'
 HORIZ: 1" = 15'
 1" = 30'
 1" = 181.7'

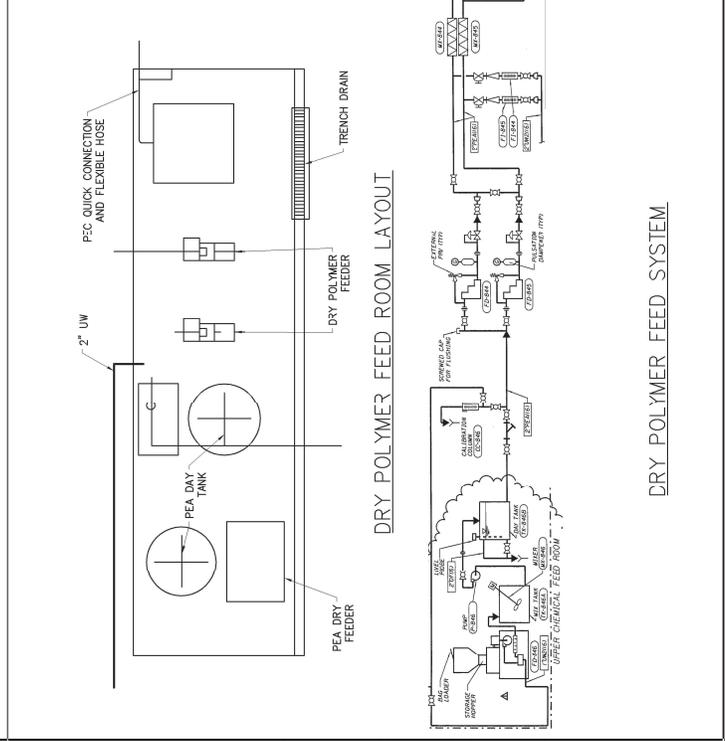
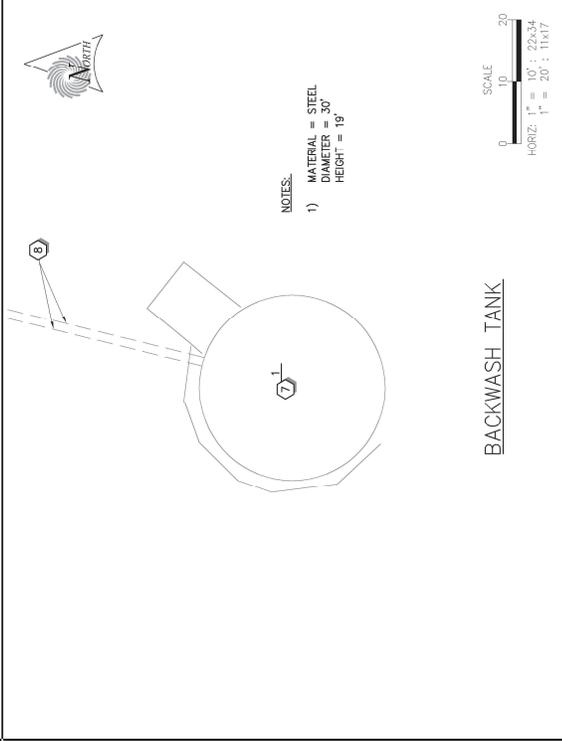
DATE	COMMENTS

SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DRAAPER, UTAH 84002
 (801) 533-0999
 WWW.SUNRISE-ENG.COM

OCDEN CITY

UTAH PROFESSIONAL ENGINEERING
 LICENSE NO. 11774
 EXPIRES 12/31/2018

WATER TREATMENT PLANT RECONSTR.	
DEMOLITION PLAN	
DATE	PROJECT NO.
11/7/24	11774
SCALE	CL.
C5	C5



DEMOLITION SCHEDULE

- 1 DEMOLISH ALL UTILITY WATER LINES WITHIN NEW MEMBRANE BLDG. FOOTPRINT
- 2 DEMOLISH & REMOVE EXISTING ASPHALT
- 3 CAP 24" SANITARY SEWER LINE AND ABANDON PIPE AS NEEDED
- 4 DEMOLISH EXISTING SIDEWALK
- 5 DEMOLISH EXISTING FENCE AROUND ENTIRE SITE
- 6 ABANDON & REMOVE PIPE AS NEEDED FOR UTILITY IMPROVEMENTS
- 7 DEMOLISH & REMOVE BACKWASH TANK
- 8 CUT, CAP & ABANDON BACKWASH TANK WATER LINES
- 9 DEMOLISH & REMOVE DRY POLYMER FEED SYSTEM
- 10 DEMOLISH & REMOVE EXISTING CURB & GUTTER
- 11 DEMOLISH FIRE HYDRANT ASSEMBLY



SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DANDY, UTAH 84002
 801.533.6999
 WWW.SUNRISE-ENG.COM

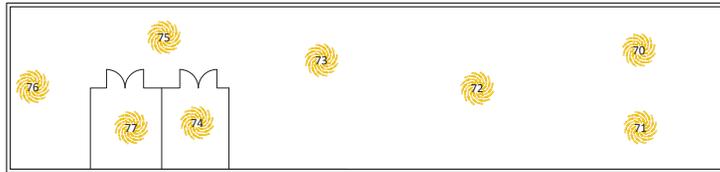
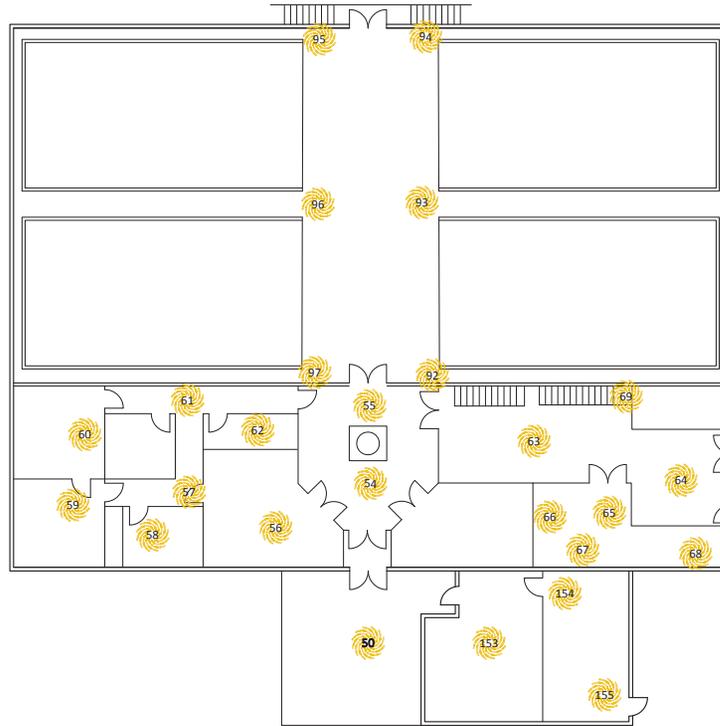
PROJECT NO.	19455	SHEET NO.	13 OF 24
DATE	06/05	SCALE	C7

OCDEN CITY
WATER TREATMENT PLANT RECONSTR.
DEMOLITION PLAN

A BASEMENT FLOOR
~



B MAIN FLOOR
~



C SECOND FLOOR
~



CLICK OR SCAN FOR SITE VIDEO



SCAN QR CODE FOR SITE PDF



CLICK LINK FOR SITE IMAGE

NOT TO SCALE

REV. NO.	DESCRIPTION	DATE
0	final draft	



SUNRISE ENGINEERING
12227 S. BUSINESS PARK DR., SUITE 220
DRAPER, UTAH 84020
TEL 801.523.0100 • FAX 801.523.0990
www.sunrise-eng.com

OGDEN CITY
WATER TREATMENT PLANT
DEMOLITION FLOOR PLAN
FILTER BUILDING

SET NO.	SURVEYED	DRAWN	CHECKED	SHEET NO.
04655	CL	KD	CL	20 of 244

C8



A NORTH ELEVATION VIEW



B SOUTH ELEVATION VIEW



CLICK OR SCAN FOR SITE VIDEO





SCAN QR CODE FOR SITE PDF



SCALE
0 5' 10'

HORIZ: 1" = 5'

REV. NO.	final draft COMMENT	DATE
0		





SUNRISE ENGINEERING

12227 S. BUSINESS PARK DR., SUITE 220
DRAPER, UTAH 84020
TEL: 801.523.0100 • FAX: 801.523.0990
www.sunrise-eng.com

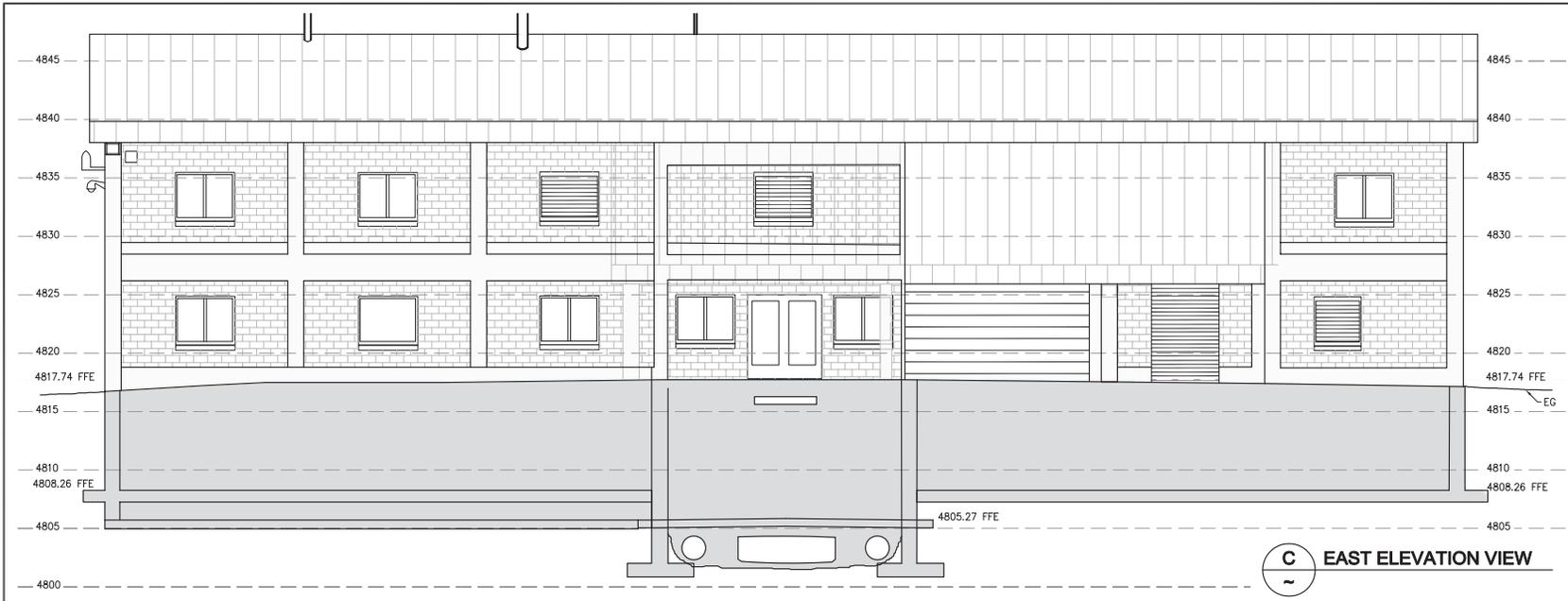
OGDEN CITY

WATER TREATMENT PLANT

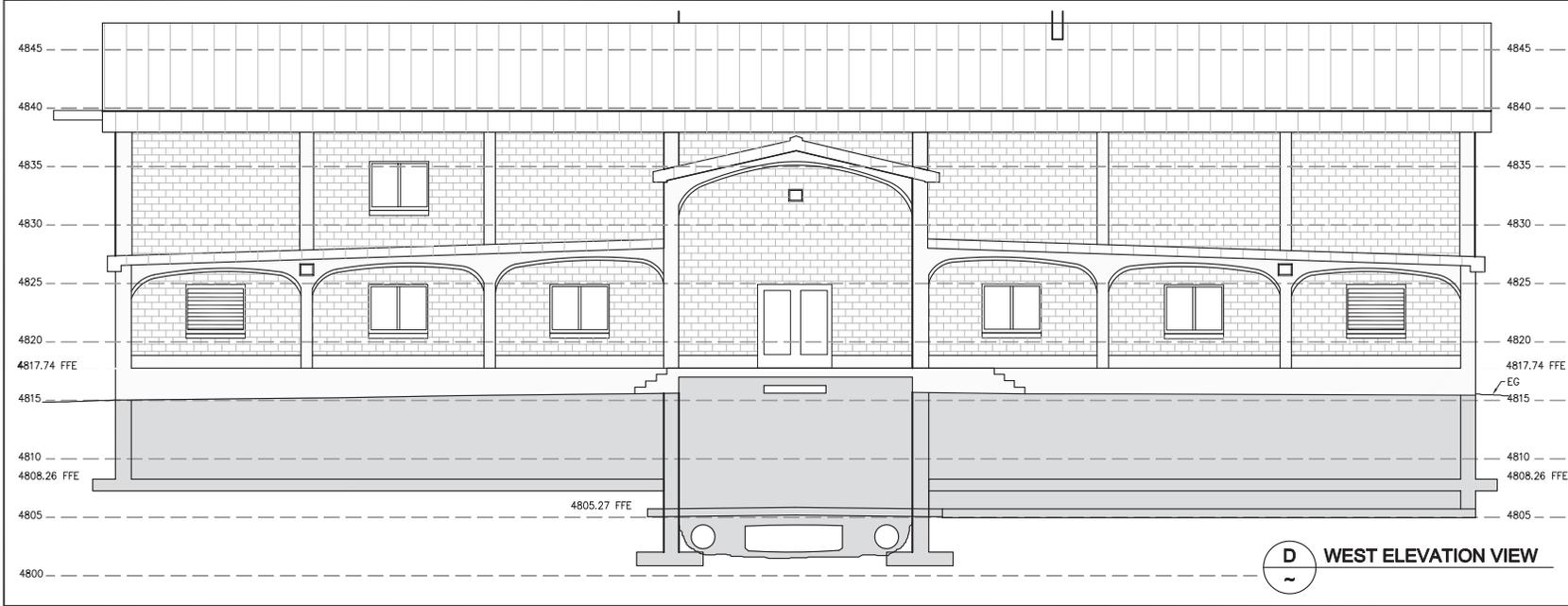
DEMOLITION ELEVATION PLAN

SET NO.	SURVEYED	DRAWN	CHECKED	SHEET NO.	
04655	CL	KD	CL	21 of 244	C9

P:\Ogden City\OGSD\Ogden Treatment Plant\Design\3\Sheets\Treatment Plant\North-South\W3_ang_0m_21_2014_2-23pm.kds



C EAST ELEVATION VIEW



D WEST ELEVATION VIEW



CLICK OR SCAN FOR SITE VIDEO





SCAN QR CODE FOR SITE PDF



SCALE
0 5' 10'

HORIZ: 1" = 5'

REV. NO.	final draft COMMENT	DATE
0		





SUNRISE ENGINEERING

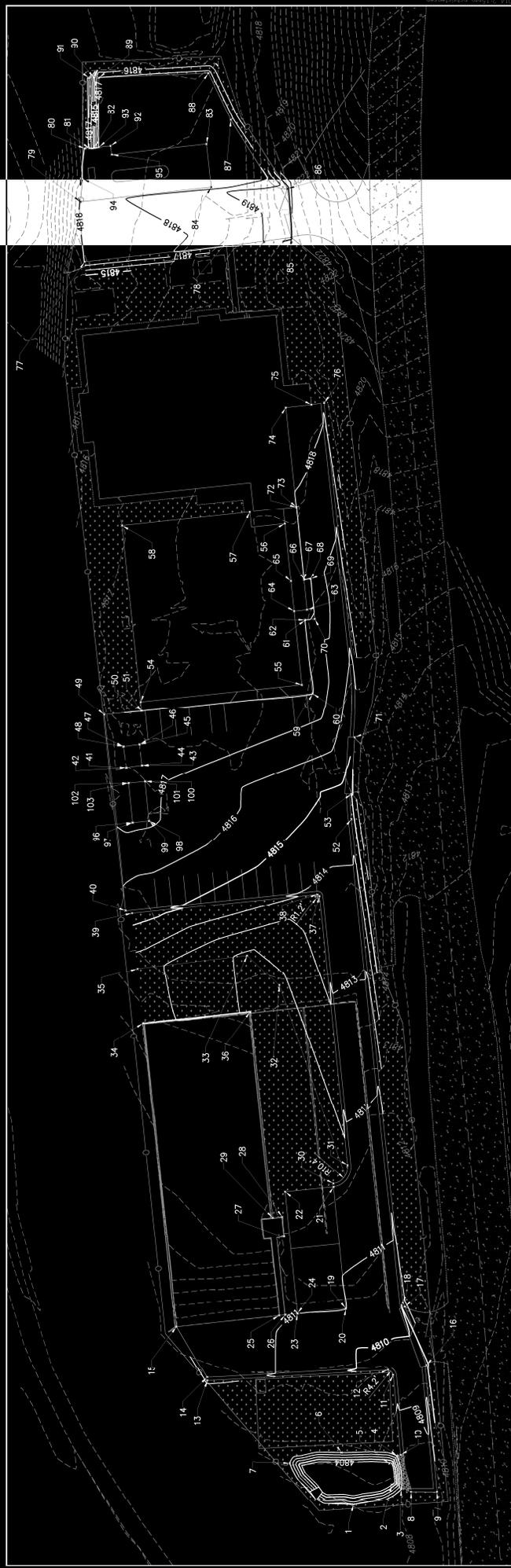
12227 S. BUSINESS PARK DR., SUITE 220
DRAPER, UTAH 84020
TEL 801.523.0100 • FAX 801.523.0990
www.sunrise-eng.com

OGDEN CITY

WATER TREATMENT PLANT

DEMOLITION ELEVATION PLAN

SET NO.	SURVEYED	DRAWN	CHECKED	SHEET NO.	
04655	CL	KD	CL	22 of 244	C10



Point Table

Point #	Description	Elevation	Northing	Easting
1	TOP	4808.00	3616488.42	1544205.50
2	BOT	4804.00	3616464.39	1544218.39
3	TOP	4808.00	3616459.03	1544215.57
4	TOP	4808.00	3616461.53	1544235.78
5	BOT	4804.00	3616466.39	1544231.12
6	TOP	4808.00	3616495.82	1544237.83
7	TOP	4808.00	3616277.65	1544231.29
8	TBC	4806.32	3616452.89	1544214.00
9	TBC	4806.62	3616436.89	1544213.92
10	TBC	4806.34	3616459.47	1544236.38
11	TBC	4808.48	3616464.01	1544285.60
12	TBC	4806.60	3616467.13	1544288.71
13	TBC	4811.68	3616578.61	1544282.17
14	EA	4811.68	3616578.70	1544284.17
15	EA	4811.77	3616597.61	1544315.65
16	TBC	4808.54	3616443.47	1544292.11
17	TBC	4810.45	3616456.73	1544327.88
18	TBC	4810.53	3616457.49	1544330.31
19	OBC	4811.75	3616494.13	1544326.75
20	TA	4810.75	3616493.05	1544326.68
21	OBC	4811.75	3616500.72	1544402.04
22	OBC	4811.75	3616530.37	1544389.03
23	TA	4810.75	3616523.00	1544333.66
24	OBC	4811.75	3616523.00	1544333.75
25	EA	4811.79	3616534.29	1544322.48

Point Table

Point #	Description	Elevation	Northing	Easting
26	EA	4811.81	3616330.52	1544322.84
27	FG	4811.81	3616331.14	1544370.88
28	FG	4811.92	3616332.40	1544333.71
29	FG	4811.87	3616338.29	1544333.14
30	TBC	4811.67	3616300.93	1544404.02
31	TBC	4811.67	3616492.06	1544415.51
32	FG	4811.75	3616343.16	1544526.50
33	FG	4811.80	3616554.07	1544545.17
34	FG	4813.53	3616618.25	1544503.11
35	FG	4813.39	3616621.62	1544537.04
36	FG	4811.84	3616525.09	1544510.24
37	TBC	4813.81	3616508.38	1544581.78
38	TBC	4813.83	3616510.76	1544582.74
39	TBC	4815.44	3616225.00	1544570.88
40	EA	4815.54	3616228.98	1544572.53
41	TA	4817.44	3616228.53	1544651.03
42	HEC	4817.65	3616228.46	1544681.12
43	TA	4817.40	3616181.78	1544682.40
44	HEC	4817.65	3616181.87	1544682.47
45	HEC	4817.65	3616203.39	1544652.27
46	TA	4817.44	3616202.32	1544675.36
47	TA	4817.57	3616303.37	1544674.07
48	HEC	4817.65	3616303.27	1544674.00
49	EA	4817.65	3616303.19	1544683.58
50	HEC	4818.13	3616191.15	1544693.89

Point Table

Point #	Description	Elevation	Northing	Easting
51	TA	4817.80	3616161.14	1544695.91
52	TBC	4814.40	3616488.72	1544623.44
53	TBC	4814.69	3616489.75	1544644.75
54	OBC	4818.25	3616618.72	1544701.86
55	OBC	4818.25	3616620.27	1544712.37
56	OBC	4818.25	3616530.77	1544811.61
57	OBC	4818.25	3616552.34	1544818.92
58	OBC	4818.25	3616631.20	1544810.59
59	TA	4817.80	3616513.58	1544708.96
60	HEC	4818.13	3616513.67	1544707.03
61	TA	4817.80	3616518.28	1544732.24
62	HEC	4818.13	3616518.36	1544732.30
63	OBC	4818.25	3616517.01	1544738.50
64	OBC	4818.25	3616525.05	1544771.65
65	OBC	4818.25	3616228.99	1544776.00
66	OBC	4818.25	3616515.91	1544776.85
67	TA	4817.92	3616518.84	1544776.84
68	HEC	4818.17	3616514.93	1544777.26
69	TA	4817.80	3616514.84	1544777.36
70	TA	4817.72	3616512.30	1544782.87
71	TBC	4815.40	3616487.68	1544679.69
72	HEC	4818.26	3616223.62	1544822.11
73	TA	4817.53	3616233.54	1544822.12
74	OBC	4818.39	3616303.19	1544833.62
75	OBC	4818.25	3616514.29	1544895.33

Point Table

Point #	Description	Elevation	Northing	Easting
76	TBC	487.59	3616506.53	1544898.41
77	TA	487.73	3616654.25	1544973.50
78	TA	488.15	3616569.57	1544933.26
79	TA	487.55	3616656.88	1545010.76
80	TOC	487.55	3616654.08	1545003.16
81	ID	487.08	3616651.27	1545034.91
82	BD	484.88	3616648.42	1545004.33
83	TOC	487.55	3616579.15	1545006.48
84	TOC	487.55	3616576.12	1545019.71
85	TA	489.60	3616526.79	1544988.84
86	TA	489.60	3616529.11	1545018.75
87	TA	487.55	3616564.08	1545061.21
88	TA	487.50	3616577.97	1545080.27
89	TA	487.06	3616646.54	1545087.45
90	BD	484.56	3616646.54	1545087.44
91	ID	487.06	3616651.54	1545087.43
92	TOC	487.55	3616638.31	1545005.37
93	ID	487.08	3616645.42	1545004.57
94	TOC	487.55	3616655.38	1545024.88
95	TOC	487.55	3616637.47	1545004.02
96	HEC	487.56	3616624.59	1544627.34
97	TA	487.18	3616624.66	1544627.23
98	HEC	487.56	3616614.51	1544628.39
99	TA	487.14	3616614.42	1544628.32
100	HEC	487.56	3616617.01	1544652.44

Point Table

Point #	Description	Elevation	Northing	Easting
101	HEC	4817.56	3616627.09	1544481.39
102	TA	4817.31	3616627.18	1544481.46
103	TA	4817.31	3616627.18	1544481.46



SCALE
 1" = 30'
 1" = 60'

SUNRISE ENGINEERING
 CLUTING LINDORF WARD
 2222 S. BUSINESS PARK DR. SUITE 200
 DOWNEY, UTAH 84003
 801.533.8999
 WWW.SUNRISE-ENG.COM

OGDEN CITY

WATER TREATMENT PLANT RECONSTRUCTION

HORIZONTAL CONTROL PLAN

DATE	2/1/24
PROJECT NO.	C11
ISSUED FOR	
ISSUED BY	
DATE	2/1/24



SCALE
 1" = 15' 2.2x34
 1" = 30' 1.1x17



SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DANDY, UTAH 84000
 (435) 533-9999
 WWW.SUNRISE-ENG.COM

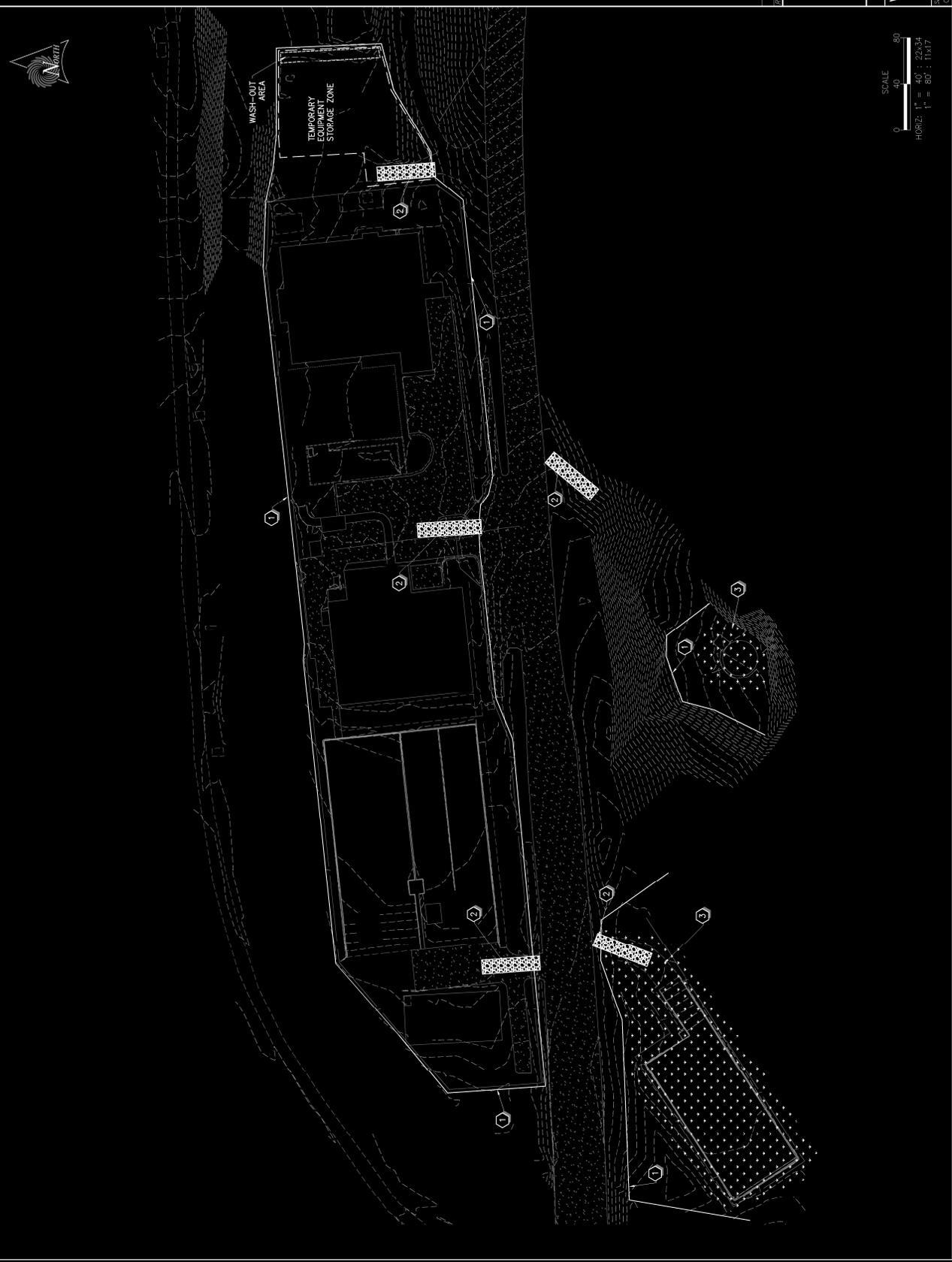
NO.	REVISION	DATE
1	ISSUED FOR PERMIT	05/14/24
2	REVISED	05/14/24

OGDEN CITY
WATER TREATMENT PLANT RECONSTRUCTION
GRADING PLAN

C13

CONSTRUCTION NOTES

- ① INSTALL SILT FENCE AROUND ENTIRE SITE
- ② INSTALL 12" X 50' CONSTRUCTION ENTRANCES USING 6" COBBLE
- ③ HYDROSEED

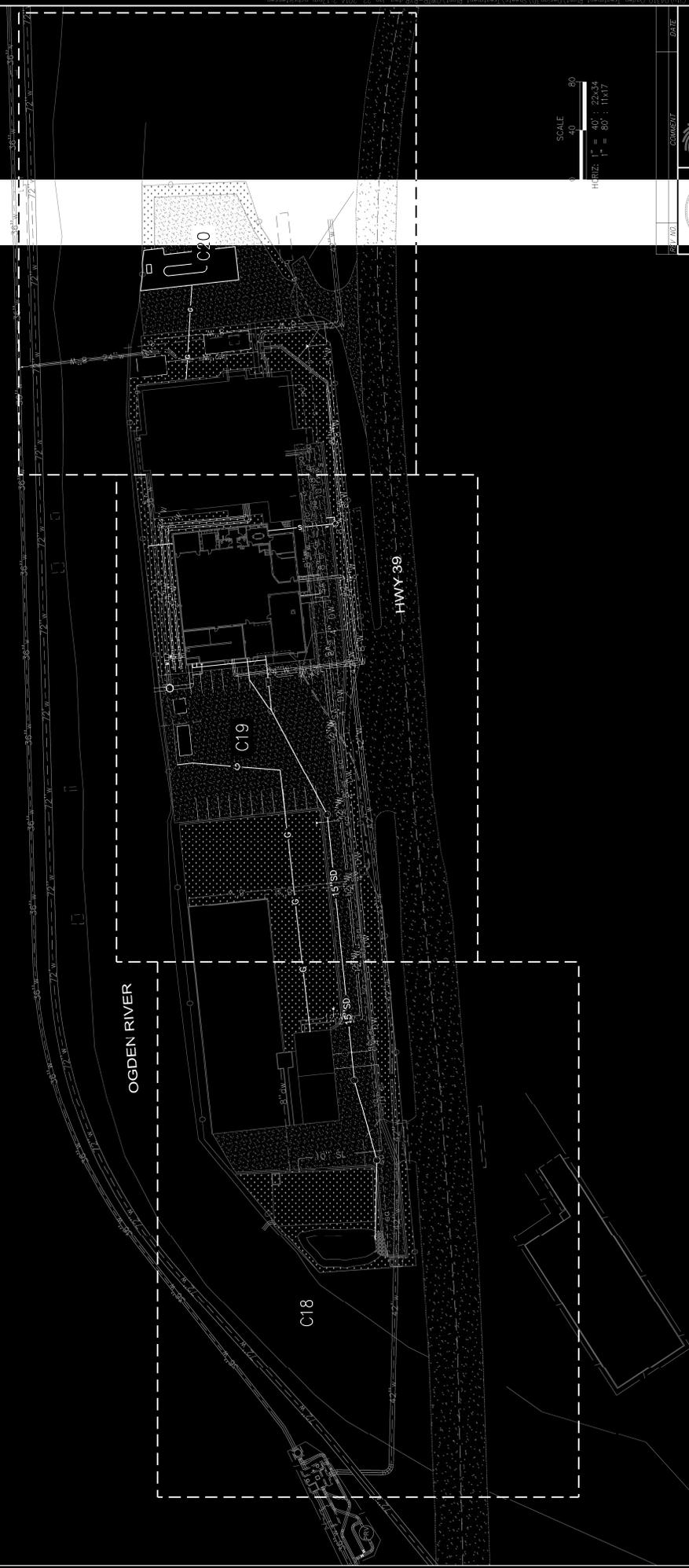


SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DUNSMUIR, UTAH 84005
 WWW.SUNRISE-ENG.COM PH. 801.523.0990

OCDEN CITY
WATER TREATMENT PLANT RECONST.
 SWPP

DATE	COMMENTS
12/17/20	
12/17/20	
12/17/20	

PROJECT NO. 22174
 SHEET NO. C15



SCALE
 0 40 80
 HORIZ: 1" = 40', 2x4x4
 1" = 80', 11x17

DATE	
COMMENT	
 SUNRISE ENGINEERING 2222 S. BUSINESS PARK DR. SUITE 200 DAVIS, UTAH 84002 PHONE: 801.533.6999 WWW.SUNRISE-ENG.COM	
	

OGDEN CITY	
WATER TREATMENT PLANT RECONSTR.	
PROPOSED YARD UTILITIES	
DATE	PROJECT NO.
2/20/24	24-001
DESIGNED BY	CHECKED BY
JAS	JAS
SCALE	DATE
AS SHOWN	2/20/24
C17	

OSDEN RIVER



CONSTRUCTION NOTES

- 1 42" RCP CLASS III
- 2 36" RCP CLASS III
- 3 36" DUCTILE IRON PIPE
- 4 24" DUCTILE IRON PIPE
- 5 12" DUCTILE IRON PIPE
- 6 8" DUCTILE IRON PIPE
- 7 15" PVC
- 8 10" PVC
- 9 4" PVC
- 10 2" PVC
- 11 1.5" PVC
- 12 7" PVP
- 13 FIRE HYDRANT ASSEMBLY
- 14 BUTTERFLY VALVE
- 15 GATE VALVE
- 16 60" STORMDRAIN MANHOLE
- 17 OIL/WATER SEPARATOR
- 18 72" MANHOLE
- 19 PUMP
- 20 LIFT STATION MANHOLE



SCALE
 1" = 15'
 1" = 30'

SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DANDY, UTAH 84003
 801.533.6999

OCDEN CITY
 WATER TREATMENT PLANT RECONSTRUCTION
 PROPOSED YARD UTILITIES

PROJECT NO.	314724
DATE	3/14/24
DESIGNED BY	CL
CHECKED BY	CL
IN CHARGE	CL
DATE	3/14/24

HWY 39

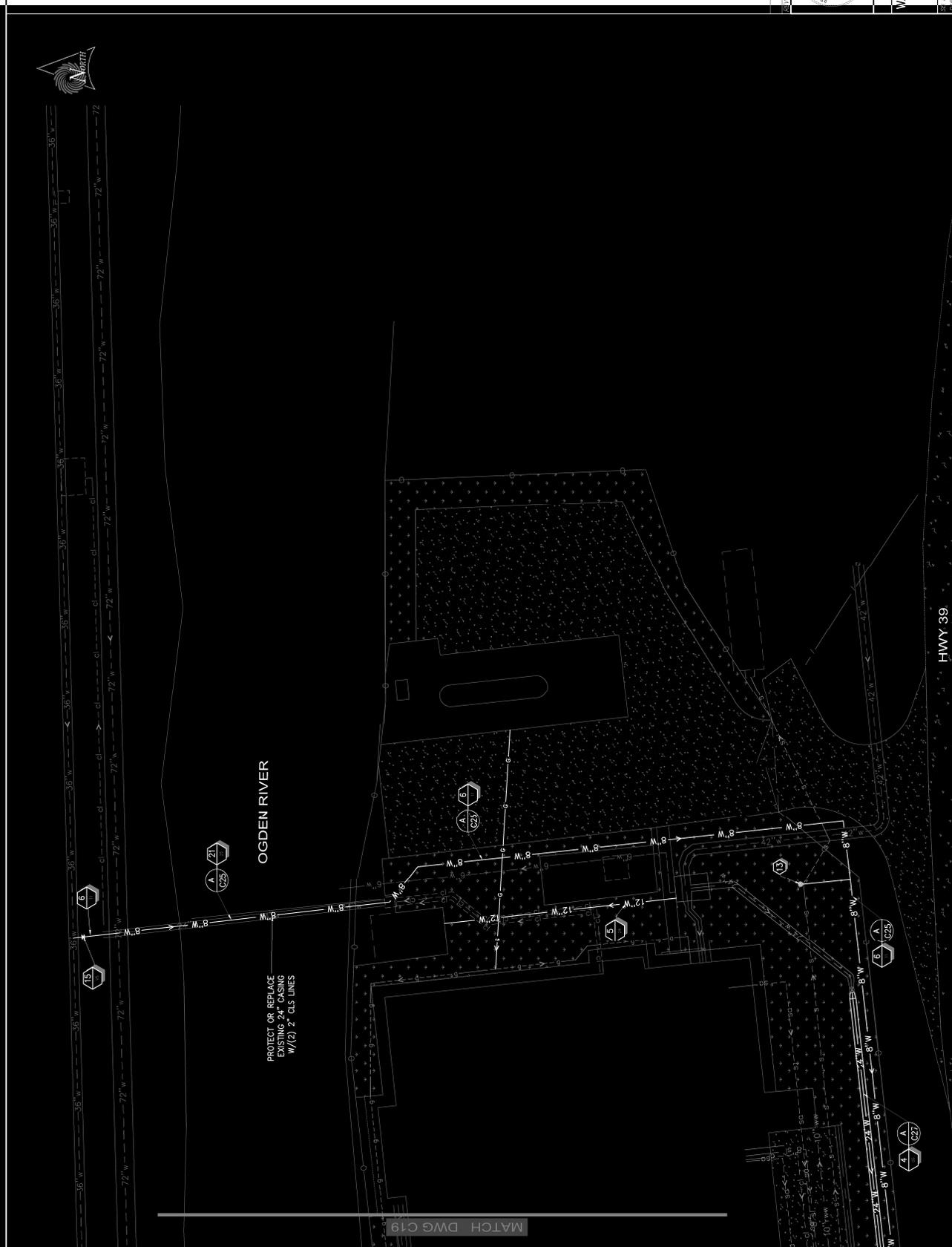
MATCH DWG C20

MATCH DWG C18

SEE SHEET C22

SEE SHEET MF704

SEE SHEET C21



CONSTRUCTION NOTES

- 1 42" RFP CLASS III
- 2 36" RFP CLASS III
- 3 36" DUCTILE IRON PIPE
- 4 24" DUCTILE IRON PIPE
- 5 12" DUCTILE IRON PIPE
- 6 8" DUCTILE IRON PIPE
- 7 15" PVC
- 8 10" PVC
- 9 4" PVC
- 10 2" PVC
- 11 1.5" PVC
- 12 2" PVC
- 13 FIRE HYDRANT ASSEMBLY
- 14 BUTTERFLY VALVE
- 15 GATE VALVE
- 16 60" STORMDRAIN MANHOLE
- 17 OIL/WATER SEPARATOR
- 18 72" MANHOLE
- 19 PUMP
- 20 LIFT STATION MANHOLE
- 21 8" HDPE

SCALE
 1" = 15' - 22x34
 1" = 30' - 1x17

DATE	COMMENTS

SUNRISE ENGINEERING
 12222 S. BUSINESS PARK DR. SUITE 200
 DRAAPER, UTAH 84002
 1-801-533-0990
 WWW.SUNRISE-ENG.COM

OGDEN CITY	
WATER TREATMENT PLANT RECONSTR.	
PROPOSED YARD UTILITIES	
PROJECT NO.	15274105
DATE	05/24/16
SCALE	AS SHOWN
PROJECT	C20

HWY 39

MATCH DWG C19

CONSTRUCTION NOTES

- 1 42" RFP CLASS III
- 2 36" RFP CLASS III
- 3 36" DUCTILE IRON PIPE
- 4 24" DUCTILE IRON PIPE
- 5 12" DUCTILE IRON PIPE
- 6 8" DUCTILE IRON PIPE
- 7 15" PVC
- 8 10" PVC
- 9 4" PVC
- 10 2" PVC
- 11 1.5" FVC
- 12 7" PVP
- 13 FIRE INDRANT ASSEMBLY (CD6)
- 14 BUTTERFLY VALVE (CD6)
- 15 GATE VALVE (CD5)
- 16 60" STORMDRAIN MANHOLE (A)
- 17 OIL/WATER SEPARATOR (B)
- 18 72" MANHOLE (A)
- 19 PUMP (A)
- 20 LIFT/STATION MANHOLE (A)

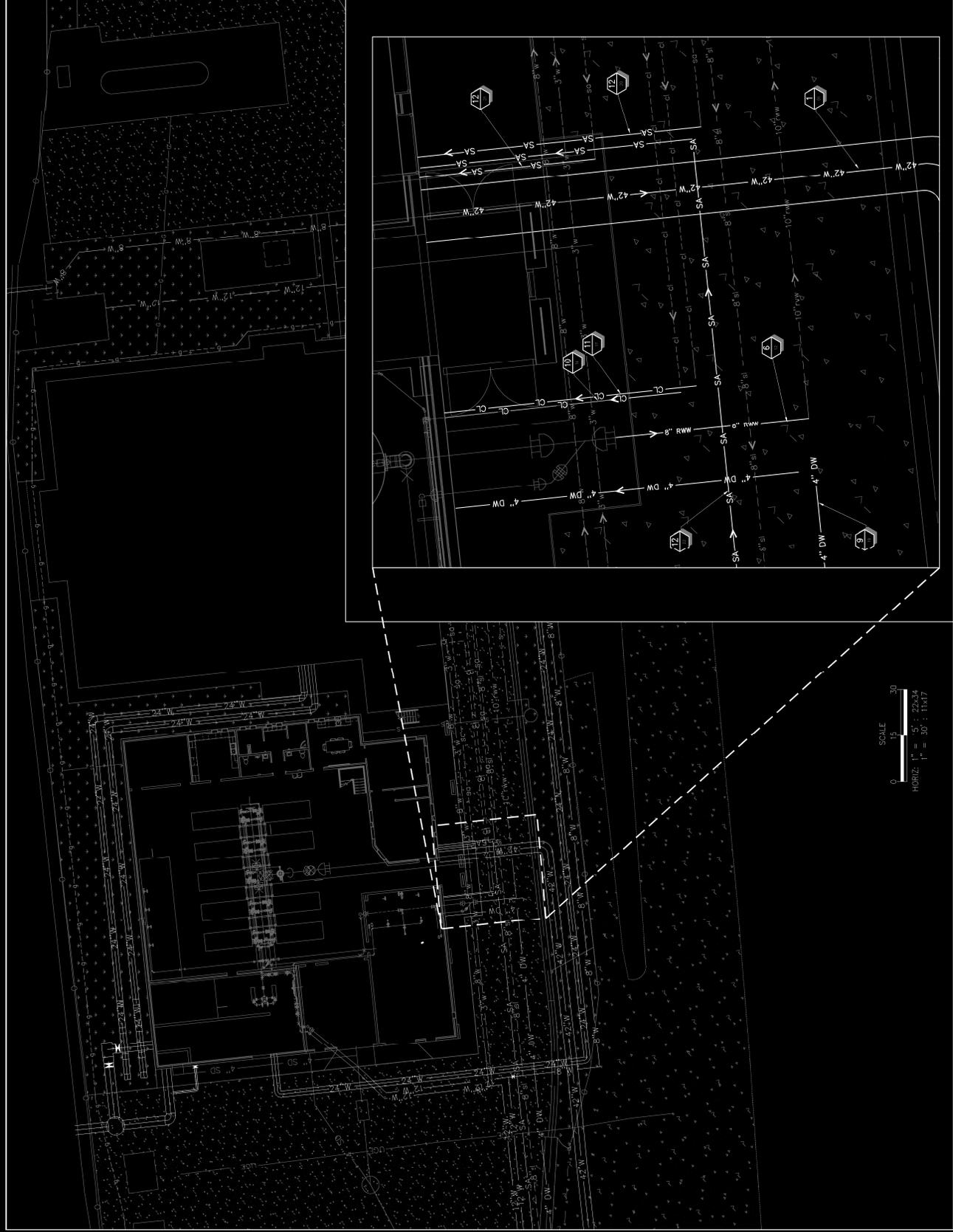


SCALE
 HORIZ. 1" = 3' : 22/34
 VERT. 1" = 6' : 11/17

DATE	COMMENT

SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DAVIS, UTAH 84005
 (801) 463-5999
 WWW.SUNRISE-ENG.COM

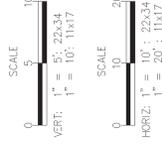
OGDEN CITY	
WATER TREATMENT PLANT RECONSTR.	
PROPOSED YARD UTILITIES	
PROJECT NO.	331424
DATE	
SCALE	



SCALE
 0 10 20 30
 HORIZ. 1" = 30' : 11/17

CONSTRUCTION NOTES

- 1 42" RFP CLASS III
- 2 36" RFP CLASS III
- 3 36" DUCTILE IRON PIPE
- 4 24" DUCTILE IRON PIPE
- 5 12" DUCTILE IRON PIPE
- 6 8" DUCTILE IRON PIPE
- 7 15" P.C.
- 8 10" P.C.
- 9 4" P.C.
- 10 2" P.C.
- 11 1.5" P.C.
- 12 7" P.C.
- 13 FIRE RESISTANT ASSEMBLY
- 14 BUTTERFLY VALVE
- 15 GATE VALVE
- 16 60" STORMDRAIN MANHOLE
- 17 OIL/WATER SEPARATOR
- 18 72" MANHOLE
- 19 PUMP
- 20 LIFT STATION MANHOLE

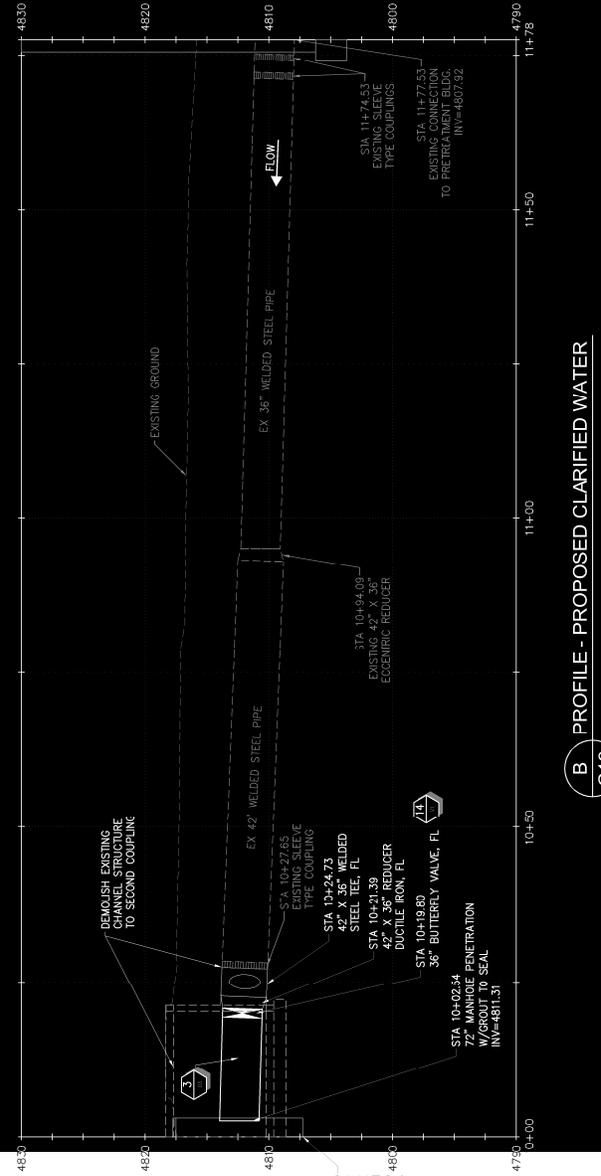
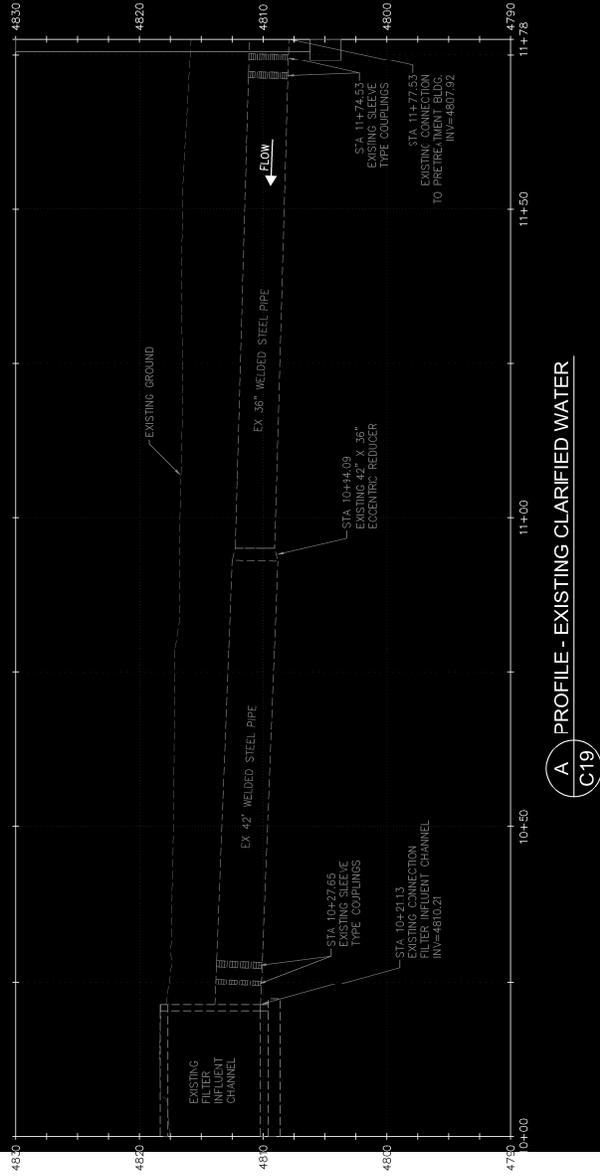


SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DRYDEN, UTAH 84002
 WWW.SUNRISE-ENG.COM TEL: 801.523.6999

OGDEN CITY
WATER TREATMENT PLANT RECONSTRUCTION
PLAN & PROFILE SHEET
CLARIFIED WATER

DATE: _____
 SHEET NO. 11 OF 12
 DRAWING NO. 15474

DATE: _____
 SHEET NO. 11 OF 12
 DRAWING NO. 15474



STA 10+00.00
 72" PRECAST CONCRETE MANHOLE
 INVERT ELEV. = 4807.41
 RW ELEV. = 4807.25

STA 10+27.65
 EXISTING SLEEVE TYPE COUPLINGS

STA 10+21.13
 EXISTING CONNECTION FILLER INFLUENT CHANNEL INV=4810.21

STA 10+14.09
 EXISTING 42" X 36" ECCENTRIC REDUCER

STA 10+19.80
 36" BUTTERFLY VALVE, FL

STA 10+02.54
 PENETRATION W/GROUT TO SEAL INV=4811.31



CONSTRUCTION NOTES

- 1) 42" RCP CLASS III
- 2) 36" RCP CLASS III
- 3) 36" DUCTILE IRON PIPE
- 4) 24" DUCTILE IRON PIPE
- 5) 12" DUCTILE IRON PIPE
- 6) 8" DUCTILE IRON PIPE
- 7) 15" P.C.
- 8) 10" P.C.
- 9) 4" P.V.
- 10) 2" P.V.
- 11) 1.5" P.C.
- 12) 2" P.V.
- 13) FIRE RESISTANT ASSEMBLY
- 14) BUTTERFLY VALVE
- 15) GATE VALVE
- 16) 60" STORMDRAIN MANHOLE
- 17) OIL/WATER SEPARATOR
- 18) 72" MANHOLE
- 19) PUMP
- 20) LIFT STATION MANHOLE

- NOTES:**
- 1) CUT AND DEMOLISH APPROX. 9 LF OF EXISTING 24" WELDED STEEL PIPE (ENCASED IN CONCRETE)
 - 2) CUT AND DEMOLISH APPROX. 2 LF OF EXISTING 24" WELDED STEEL PIPE (ENCASED IN CONCRETE)
 - 3) INSTALL WATER LOOP W/WHI - 1 FOOT CLEARANCE BELOW VAULT INFLUENT PIPE INVERT

REV	NO.	DATE	COMMENT

SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DAVIS, UTAH 84005
 WWW.SUNRISE-ENG.COM TEL: 801.523.6999

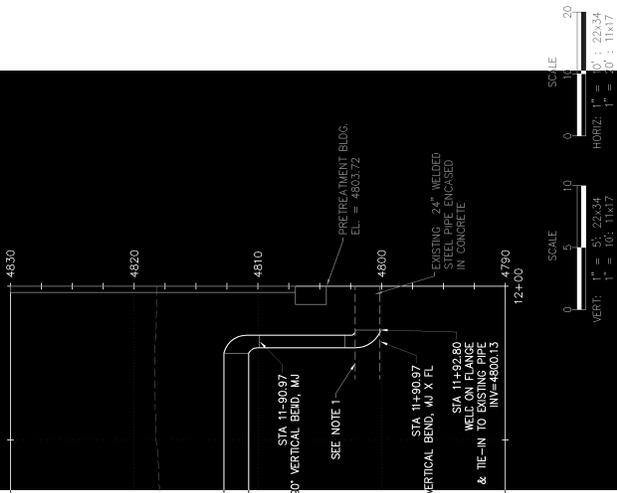
OGDEN CITY

WATER TREATMENT PLANT RECONSTRUCTION PLAN & PROFILE SHEET

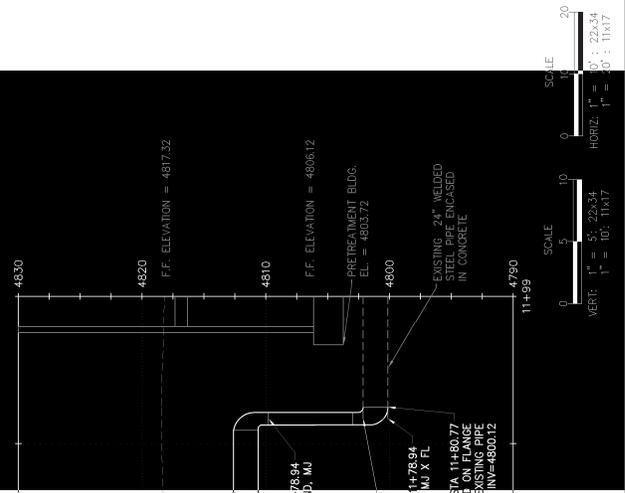
WATER STUB-OUTS

DATE	BY	CHECKED	IN CHARGE
08/24/24			

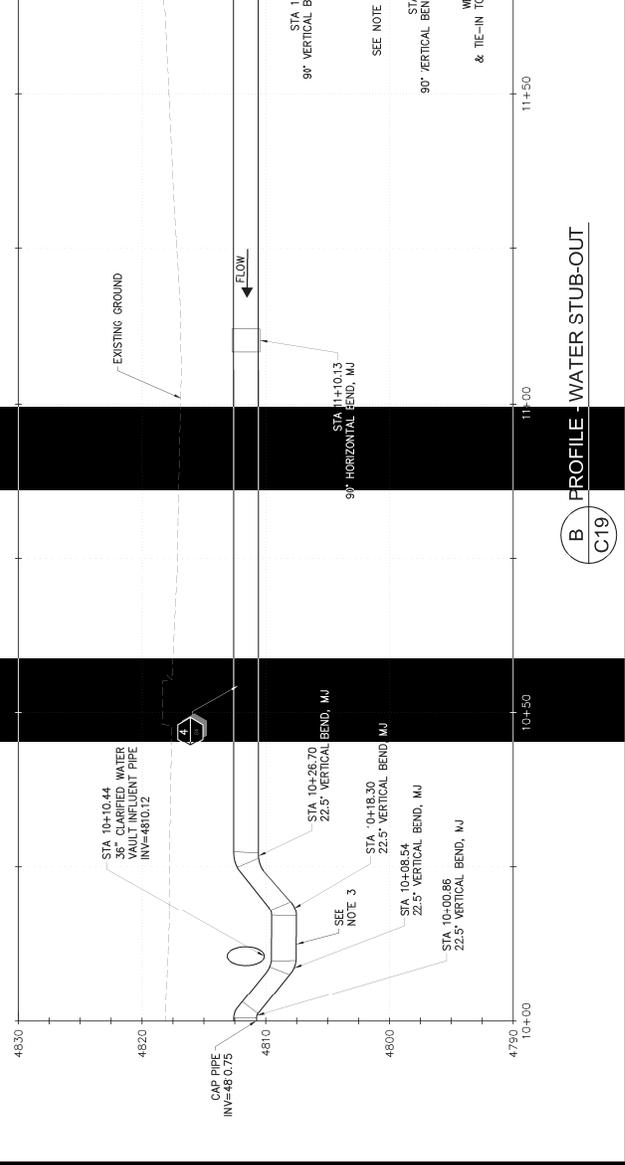
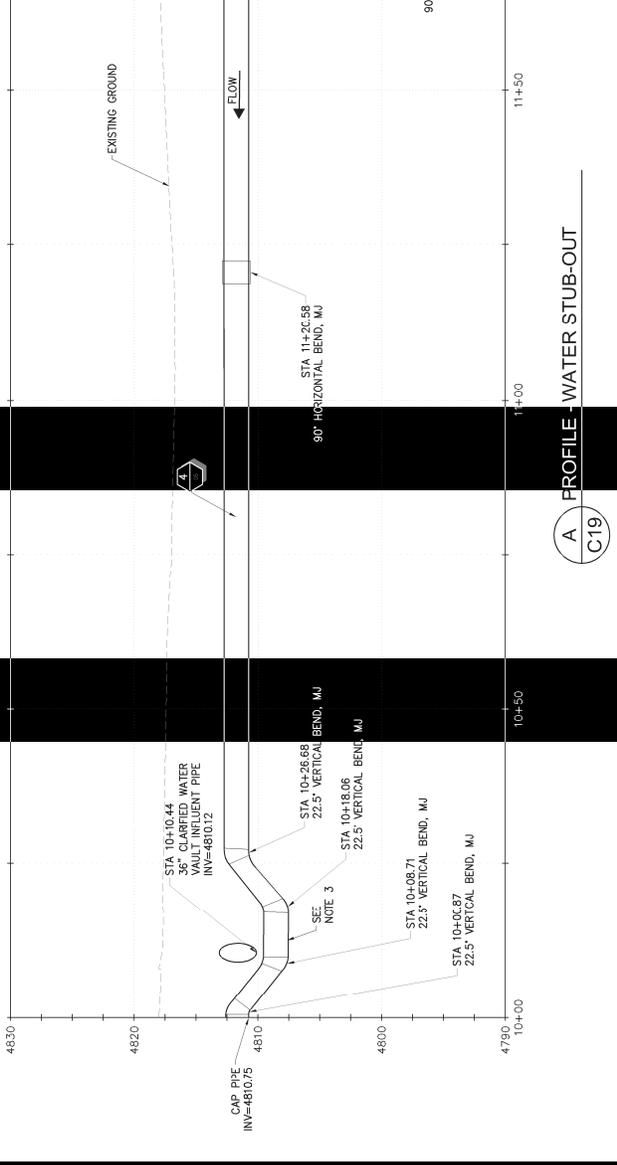
C24



A
C19

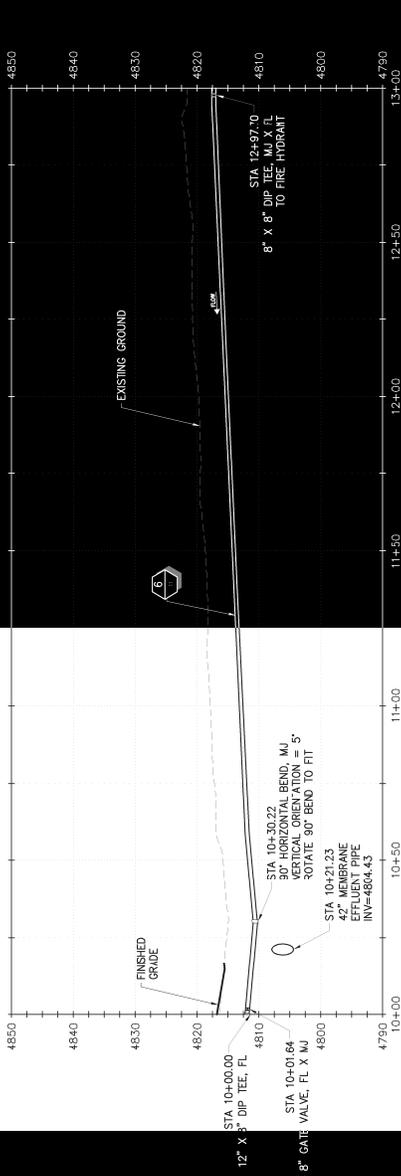
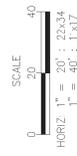


B
C19

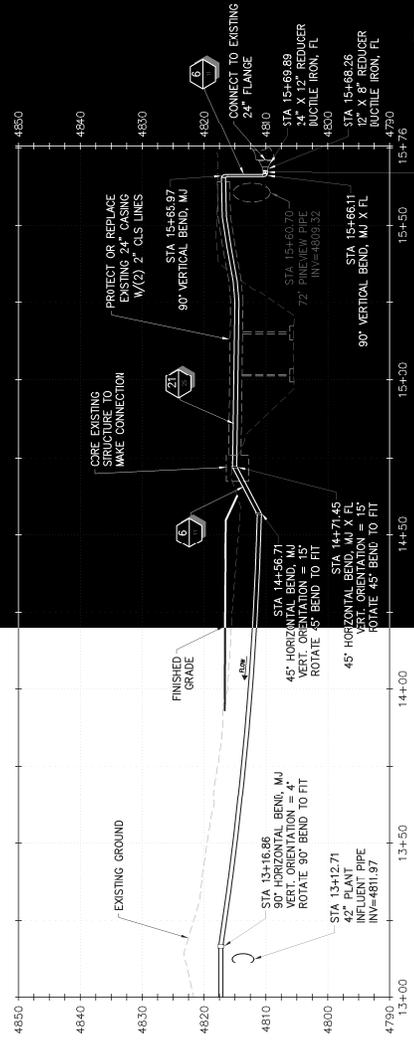


CONSTRUCTION NOTES

- 1 42" RPP CLASS III
- 2 36" RPP CLASS III
- 3 36" DUCTILE IRON PIPE
- 4 24" DUCTILE IRON PIPE
- 5 12" DUCTILE IRON PIPE
- 6 8" DUCTILE IRON PIPE
- 7 15" PVC
- 8 10" PVC
- 9 4" PVC
- 10 2" PVC
- 11 1.5" PVC
- 12 2" PVC
- 13 FIRE HYDRANT ASSEMBLY
- 14 BUTTERFLY VALVE
- 15 GATE VALVE
- 16 60" STORMDRAIN MANHOLE
- 17 OIL/WATER SEPARATOR
- 18 72" MANHOLE
- 19 PUMP
- 20 LIFT STATION MANHOLE
- 21 8" HDPE



A PROFILE - RAW WATER BYPASS
C19



B PROFILE - RAW WATER BYPASS
C20



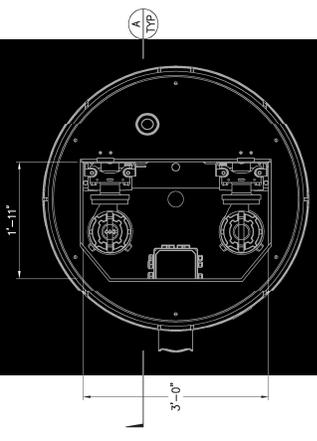
SUNRISE ENGINEERING
2222 S. BUSINESS PARK DR. SUITE 220
DUNN, UTAH 84003
WWW.SUNRISE-ENG.COM TEL: 801.533.6999

REV	NO.	COMMENT	DATE

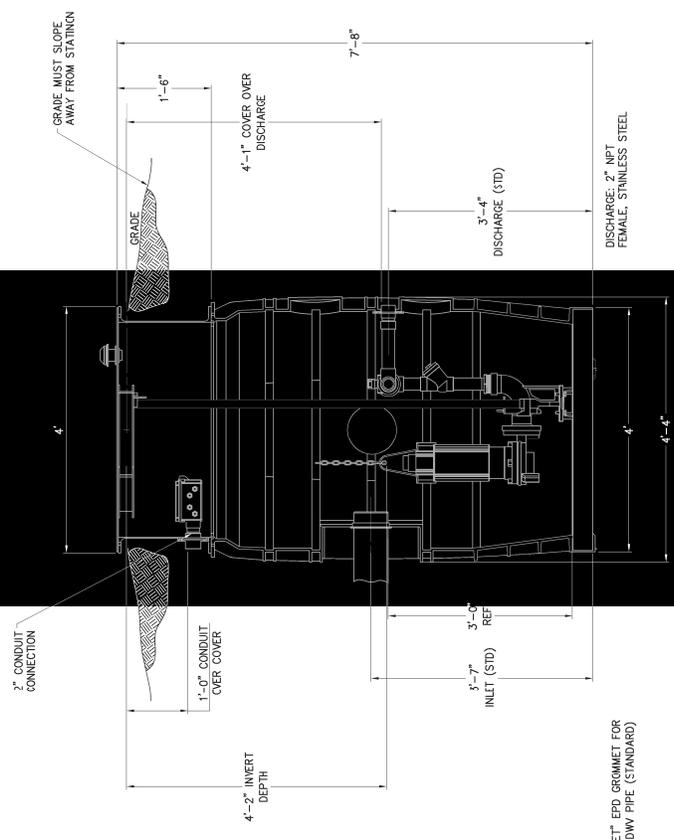
OGDEN CITY
WATER TREATMENT PLANT RECONSTRUCTION
PLAN & PROFILE SHEET
WELL WATER

BY: JAS	DESIGNED: JAS	CHECKED: JAS	DATE: 07/24/18
DATE: 06/05	SCALE: 1" = 40'	SCALE: 1" = 20'	SCALE: 1" = 40'

C25



PLAN VIEW



SECTION VIEW - A

INLET EPD GROMMET FOR 6" DWV PIPE (STANDARD)

A TYP
DETAIL - MANHOLE LIFT STATION
 GRINDER PUMP 3000 SERIES MODEL 3048P-92



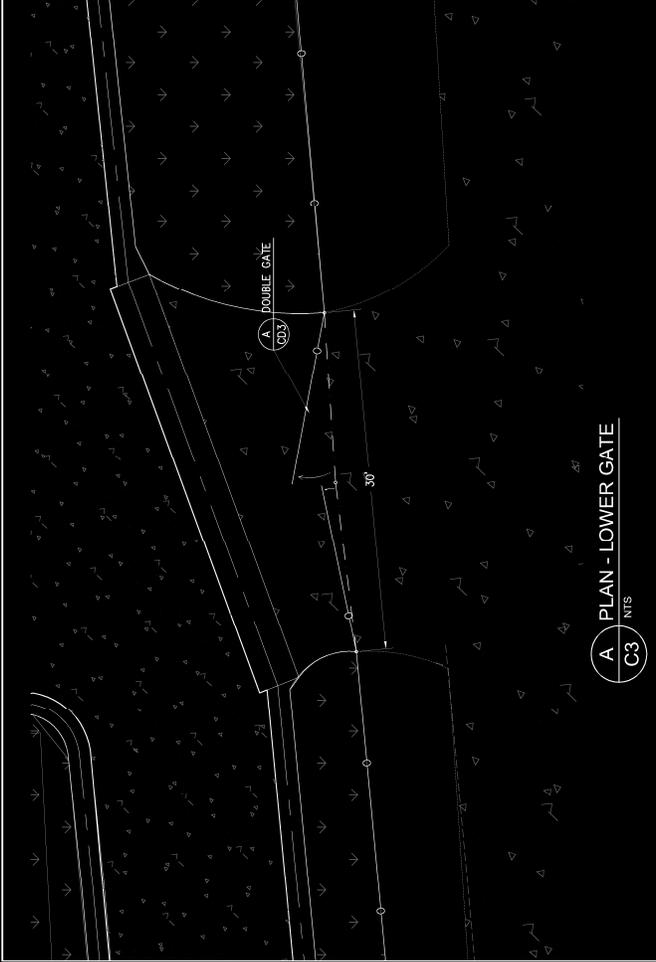
SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 OGDEN, UTAH 84403
 TEL: 435.766.8888 FAX: 435.766.8899
 WWW.SUNRISE-ENG.COM

REV	NO.	DESCRIPTION	DATE

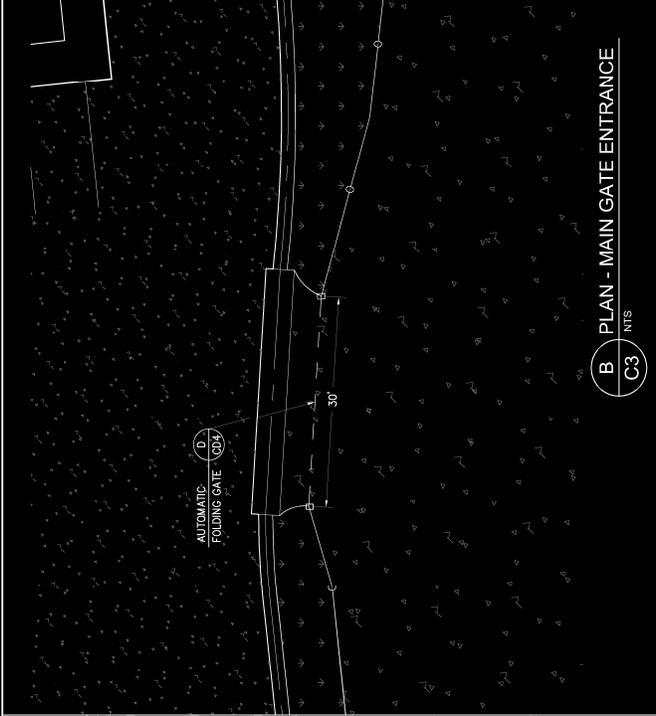
OGDEN CITY
WATER TREATMENT PLANT RECONSTRUCTION
SANITARY SEWER LIFT STATION
DETAIL SHEET

NO.	REV	DATE	BY	CHK
001	01	03/14/24		

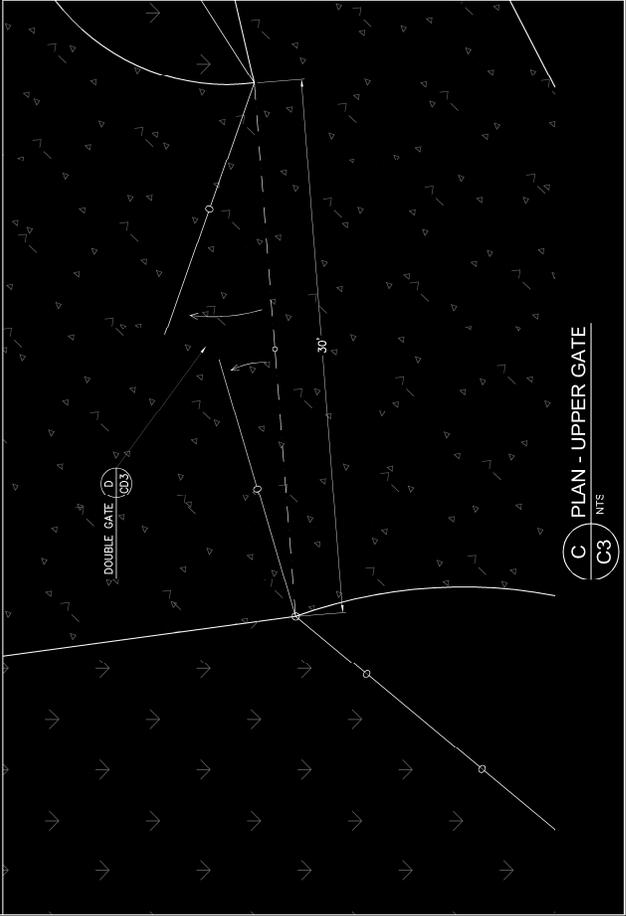
CD1



A PLAN - LOWER GATE
C3 NTS



B PLAN - MAIN GATE ENTRANCE
C3 NTS



C PLAN - UPPER GATE
C3 NTS

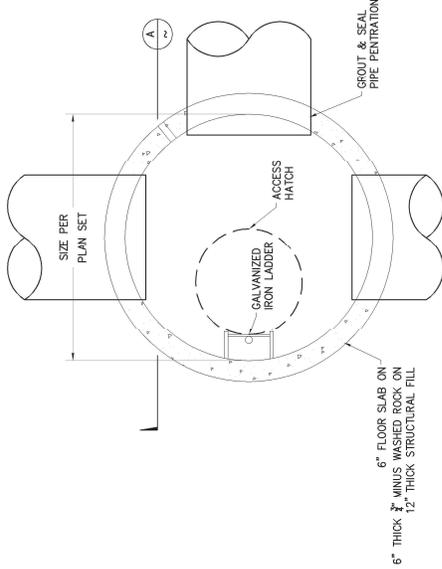
NO.	REVISION	DATE
1	ISSUED FOR PERMITS	11/17/24
2	REVISED	11/27/24
3	REVISED	11/27/24
4	REVISED	11/27/24
5	REVISED	11/27/24
6	REVISED	11/27/24
7	REVISED	11/27/24
8	REVISED	11/27/24
9	REVISED	11/27/24
10	REVISED	11/27/24
11	REVISED	11/27/24
12	REVISED	11/27/24
13	REVISED	11/27/24
14	REVISED	11/27/24
15	REVISED	11/27/24
16	REVISED	11/27/24
17	REVISED	11/27/24
18	REVISED	11/27/24
19	REVISED	11/27/24
20	REVISED	11/27/24
21	REVISED	11/27/24
22	REVISED	11/27/24
23	REVISED	11/27/24
24	REVISED	11/27/24
25	REVISED	11/27/24
26	REVISED	11/27/24
27	REVISED	11/27/24
28	REVISED	11/27/24
29	REVISED	11/27/24
30	REVISED	11/27/24
31	REVISED	11/27/24
32	REVISED	11/27/24
33	REVISED	11/27/24
34	REVISED	11/27/24
35	REVISED	11/27/24
36	REVISED	11/27/24
37	REVISED	11/27/24
38	REVISED	11/27/24
39	REVISED	11/27/24
40	REVISED	11/27/24
41	REVISED	11/27/24
42	REVISED	11/27/24
43	REVISED	11/27/24
44	REVISED	11/27/24
45	REVISED	11/27/24
46	REVISED	11/27/24
47	REVISED	11/27/24
48	REVISED	11/27/24
49	REVISED	11/27/24
50	REVISED	11/27/24
51	REVISED	11/27/24
52	REVISED	11/27/24
53	REVISED	11/27/24
54	REVISED	11/27/24
55	REVISED	11/27/24
56	REVISED	11/27/24
57	REVISED	11/27/24
58	REVISED	11/27/24
59	REVISED	11/27/24
60	REVISED	11/27/24
61	REVISED	11/27/24
62	REVISED	11/27/24
63	REVISED	11/27/24
64	REVISED	11/27/24
65	REVISED	11/27/24
66	REVISED	11/27/24
67	REVISED	11/27/24
68	REVISED	11/27/24
69	REVISED	11/27/24
70	REVISED	11/27/24
71	REVISED	11/27/24
72	REVISED	11/27/24
73	REVISED	11/27/24
74	REVISED	11/27/24
75	REVISED	11/27/24
76	REVISED	11/27/24
77	REVISED	11/27/24
78	REVISED	11/27/24
79	REVISED	11/27/24
80	REVISED	11/27/24
81	REVISED	11/27/24
82	REVISED	11/27/24
83	REVISED	11/27/24
84	REVISED	11/27/24
85	REVISED	11/27/24
86	REVISED	11/27/24
87	REVISED	11/27/24
88	REVISED	11/27/24
89	REVISED	11/27/24
90	REVISED	11/27/24
91	REVISED	11/27/24
92	REVISED	11/27/24
93	REVISED	11/27/24
94	REVISED	11/27/24
95	REVISED	11/27/24
96	REVISED	11/27/24
97	REVISED	11/27/24
98	REVISED	11/27/24
99	REVISED	11/27/24
100	REVISED	11/27/24



SUNRISE ENGINEERING
 2222 S. BUSINESS PARK DR. SUITE 200
 DUNSMuir, UTAH 84002
 PH: 801.533.0990
 WWW.SUNRISE-ENG.COM

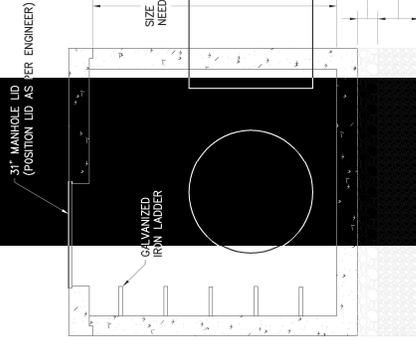
OCDEN CITY
WATER TREATMENT PLANT RECONSTRUCTION
FENCE & GATES
DETAIL SHEET

CD2

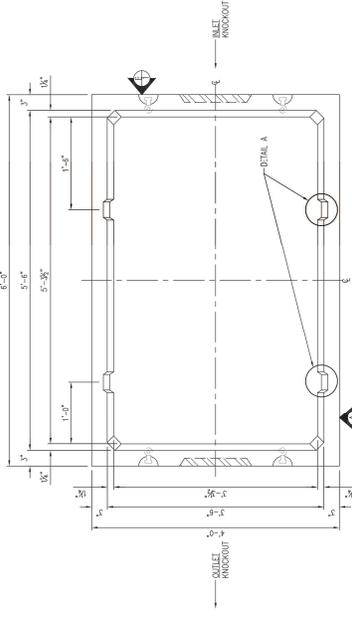


PLAN VIEW

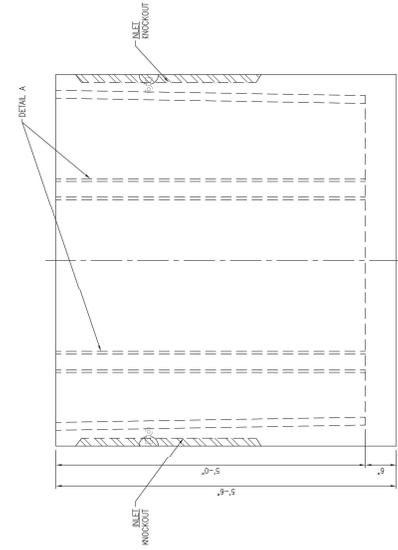
A 60" & 72" PRECAST CONCRETE MANHOLE
TYP NTS



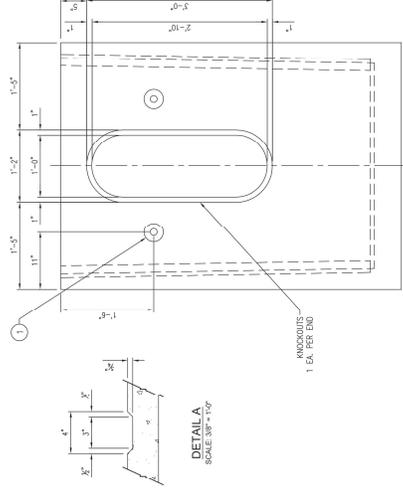
SECTION VIEW - A



B OIL WATER SEPARATOR - PLAN VIEW
TYP NTS

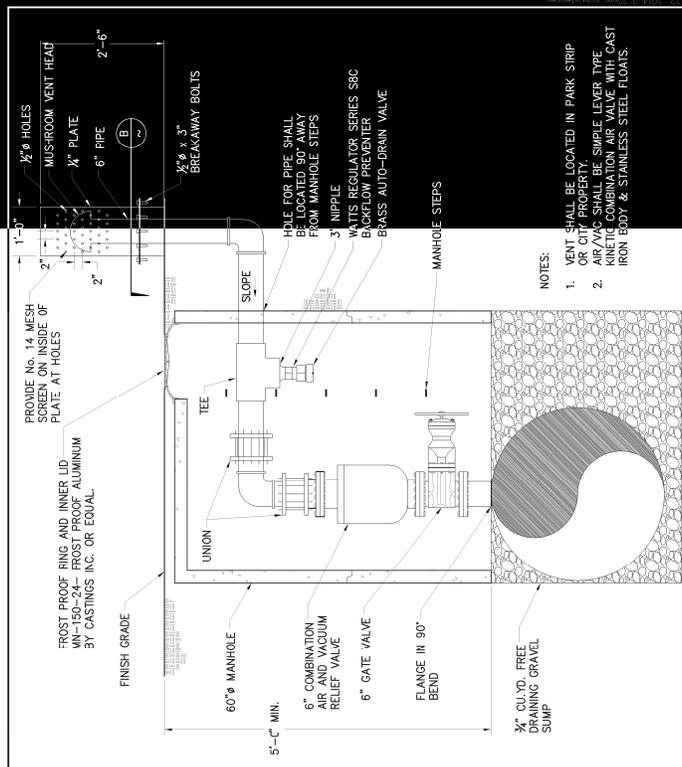


C OIL WATER SEPARATOR - VIEW A
TYP NTS

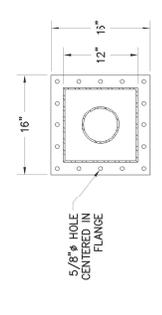


D OIL WATER SEPARATOR - VIEW B
TYP NTS

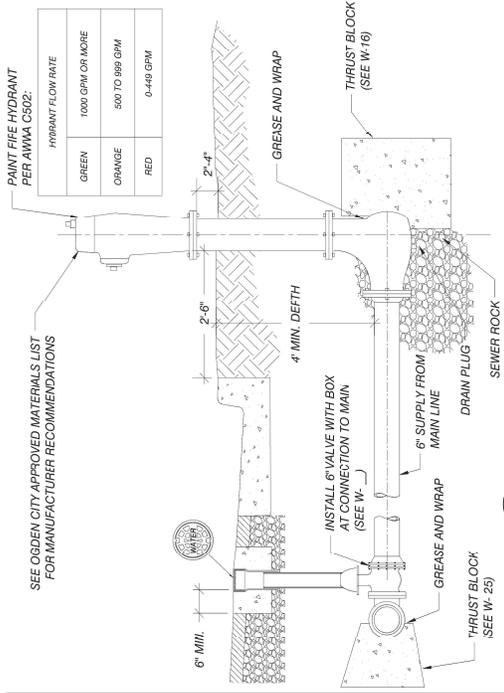
REV	NO.	COMMENT	DATE
 SUNRISE ENGINEERING 12222 S. BUSINESS PARK DR. SUITE 200 DANDY, UTAH 84000 (435) 249-7000 FAX: (435) 249-7008 WWW.SUNRISE-ENG.COM			
PROFESSIONAL ENGINEER LICENSE NO. 38818 EXPIRES 12/31/2018			
OGDEN CITY WATER TREATMENT PLANT RECONSTRUCTION MANHOLE & OIL/WATER SEPARATOR DETAIL SHEET			
BY	DESIGNED	CHECKED	DATE
04/05/15	04/05/15	04/05/15	04/24/15
			05



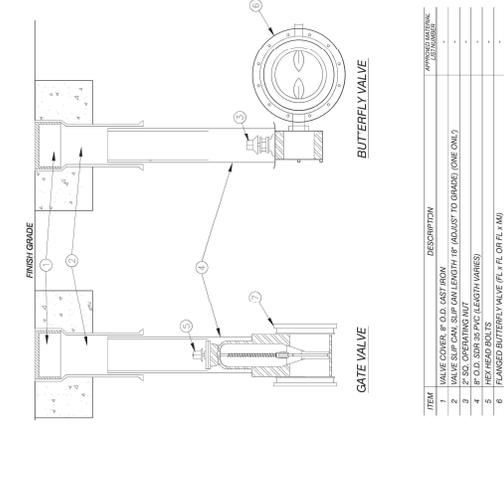
A DETAIL - TRENCH & T-PATCH
NTS
TYP



B SECTION - VENT & COVER
NTS
TYP

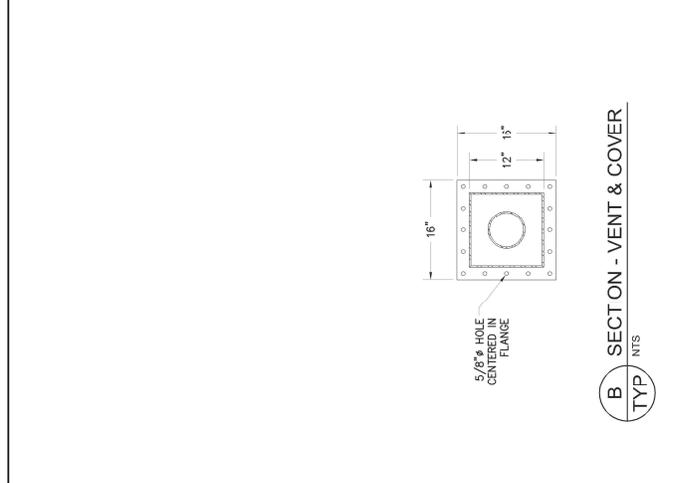


D DETAIL - FIRE HYDRANT ASSEMBLY
NTS - OGDEN CITY STANDARDS W-1
TYP

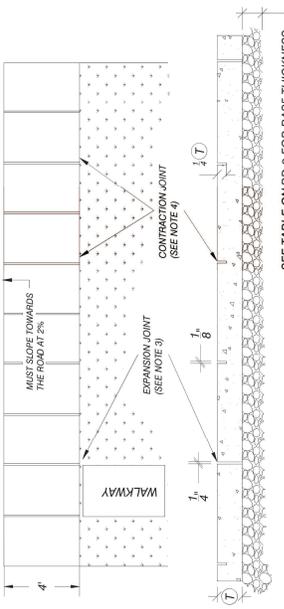


E DETAIL - VALVES
NTS - OGDEN CITY STANDARDS W-11
TYP

C DETAIL - 6" AIR COMBINATION VALVE
NTS
C26

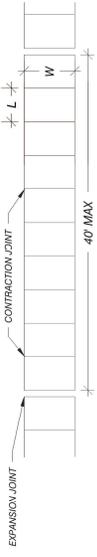


KEY NO.	COMMENT	DATE
 SUNRISE ENGINEERING 12222 S. BUSINESS PARK DR. SUITE 200 DANDY, UTAH 84002 (435) 333-0999 WWW.SUNRISE-ENG.COM		
OGDEN CITY WATER TREATMENT PLANT RECONSTRUCTION WATER IMPROVEMENTS DETAIL SHEET		
REV. NO.	DESCRIPTION	DATE
01	ISSUED FOR PERMITS	05/14/24
02	REVISED	05/14/24
03	REVISED	05/14/24
04	REVISED	05/14/24
05	REVISED	05/14/24
06	REVISED	05/14/24

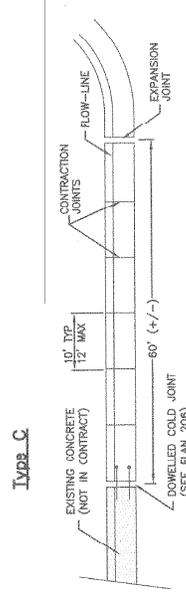
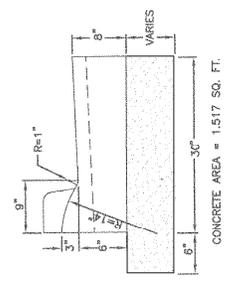


STREET TYPE	(T)
NOT SUBJECT TO VEHICULAR TRAFFIC	4"
SUBJECT TO VEHICULAR TRAFFIC	6"
COMMERCIAL SUBJECT TO VEHICULAR TRAFFIC	8"

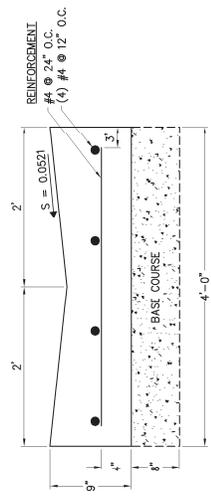
REPLACEMENTS
MATCH EXISTING, 4" MIN.



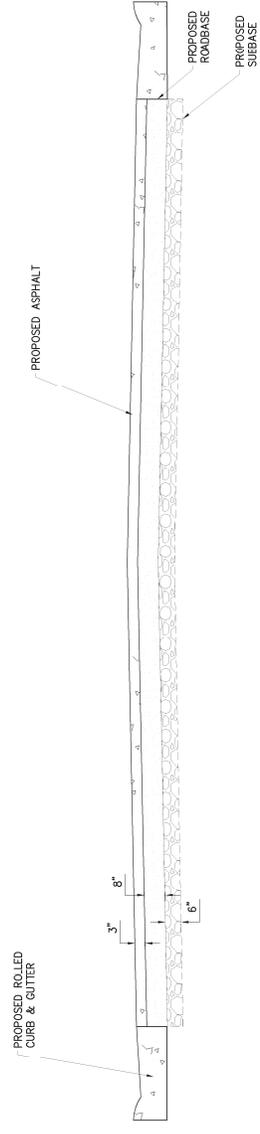
C DETAIL - SIDEWALK
TYP NTS - OGDEN CITY STANDARDS RD-5



B DETAIL - ROLLED CURB & GUTTER
TYP NTS - APWA 205



A DETAIL - 4' WATERWAY
TYP NTS - APWA 211



D DETAIL - ASPHALT CROSS SECTION
TYP NTS

REV. NO.	COMMENT	DATE
 SUNRISE ENGINEERING 12222 S. BUSINESS PARK DR., SUITE 200 DANDY, UTAH 84000 PHONE: (435) 333-8999 WWW.SUNRISE-ENG.COM		
OGDEN CITY WATER TREATMENT PLANT RECONSTRUCTION SURFACE FEATURES DETAIL SHEET		
REV. NO.	DESCRIPTION	DATE
01/05/20	ISSUED FOR PERMITS	01/05/20
02/05/20	REVISED	02/05/20

PROJECT NO.	19-0000
SHEET NO.	66 of 244
DATE	02/05/20
CDT	CDT

