RULON SMALL FLEX SPACE
CONSTRUCTION DRAWINGS

4/30/2024

VICINITY MAP
NTS

GENERAL NOTES:

1. APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A NOTICE TO PROCEED HAS BEEN ISSUED.
2. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY WEBER COUNTY DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A SURVEY CREW MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR VERTICAL CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, A SURVEY CREW SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE VERTICAL CONTROLLING MONUMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
4. CONTRACTOR SHALL CONTACT "BLUE STAKES" PRIOR TO START OF CONSTRUCTION ACTIVITIES BY CALLING 811 OR SUBMITTING AN ONLINE UTILITY LOCATION REQUEST AT WWW.BLUESTAKES.ORG.
5. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT GRADING AND/OR CONSTRUCTION ACTIVITIES, THE PROGRAM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE STATE OF UTAH AND WEBER COUNTY.
6. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT- ISSUING AUTHORITY.
7. ALL EXISTING AND/OR PROPOSED PUBLIC UTILITY SYSTEM AND SERVICE FACILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH THE RESPECTIVE UTILITY PROVIDERS STANDARDS AND SPECIFICATIONS.
8. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH WEBER COUNTY.,
9. DEVIATIONS FROM THESE SIGNED PLANS WILL NOT BE ALLOWED UNLESS A CONSTRUCTION CHANGE IS APPROVED BY THE COUNTY ENGINEER OR THE CHANGE IS REQUIRED BY THE COUNTY INSPECTOR.

PROJECT CONTACTS:

1. DEVELOPER:

   ISAAC BUNDY
   UNITED COMMERCIAL CAPITAL
   3765 WEST 12280 SOUTH
   RIVERTON, UT 84065
   IBUNDY@UCCFUND.COM
   801-783-9770

2. CIVIL ENGINEER:

   JOEY DAY
   498 WEST 100 SOUTH
   PROVIDENCE, UT 84332
   801-654-0589
   JDAY@CSG.WORK

3. SURVEYOR

   CURTIS BOWN
   498 WEST 100 SOUTH
   PROVIDENCE, UT 84332
   CBOWN@CSG.WORK
   P. 435.720.3767

STANDARD DRAWINGS & SPECIFICATIONS:

1. WEBER COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
2. WEBER COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD CONSTRUCTION DRAWINGS.
3. STORM WATER SPECIFICATIONS ARE PER THE EPA NATIONAL MENU OF STORMWATER BEST MANAGEMENT PRACTICES UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND THE UTAH DEPARTMENT OF WATER QUALITY STORMWATER MANAGMENT PROGRAM.
4. THE SPECIFICATIONS MENTIONED IN ITEMS ONE AND TWO SHALL SUPERSEDE ANY CONFLICTING SPECIFICATIONS CONTAINED WITHIN THESE PLANS.

WEBER COUNTY ENGINEERING DEPARTMENT APPROVAL:

THE IMPROVEMENT FOR THIS SUBDIVISION HAVE BEEN REVIEWED BY THE COUNTY ENGINEER FOR GENERAL CONFORMANCE WITH THE REQUIREMENTS OF THE COUNTY SUBDIVISION ORDINANCE. THIS SET OF COUNTY-APPROVED DRAWINGS SHALL BE USED FOR CONSTRUCTION OF THE REQUIRED SUBDIVISION IMPROVEMENTS. THE DEVELOPER'S ENGINEER, WHOSE STAMP IS ON THESE DRAWINGS, IS RESPONSIBLE FOR THE ENGINEERING DESIGN, DRAFTING, AND RELATED FIELD INFORMATION. THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS OR HER WORK WITH THAT OF ALL OTHER TRADES, AND THE SATISFACTORY PERFORMANCES OF HIS OR HER WORK.

BY:_____ _____ DATE:_____

LEGEND EXISTING

- PROPERTY BOUNDARY
- sd — STORM DRAIN LINE
- w — WATER LINE
- ir — IRRIGATION LINE
- g — GAS LINE
- ss — SEWER LINE
- BURIED POWER LINE
- e — AERIAL POWER LINE
- c — COMMUNICATION LINE
- #### — CONTOUR MINOR
- #### — CONTOUR MAJOR
- ASPHALT
- OPEN FACE CURB AND GUTTER
- FENCE
- CONCRETE
- EXISTING TO BE REMOVED
- WATER VALVE
- FIRE HYDRANT
- STORMDRAIN BOX
- WATER METER
- SEWER MANHOLE

LEGEND PROPOSED

- W — WATER LINE (SIZE SHOWN ON PLAN)
- SD — STORM DRAIN LINE (SIZE SHOWN ON PLAN)
- IRR — IRRIGATION LINE (SIZE SHOWN ON PLAN)
- G — GAS LINE
- SS — SANITARY SEWER LINE (SIZE SHOWN ON PLAN)
- BURIED POWER LINE
- C — BURIED COMMUNICATION LINE
- #### — CONTOUR MAJOR
- #### — CONTOUR MINOR
- ASPHALT
- CATCH CURB AND GUTTER
- SPILL CURB AND GUTTER
- CONCRETE SIDEWALK.
- BUILDING SETBACK
- WATER VALVE
- FIRE HYDRANT
- SEWER MANHOLE
- WATER METER
- STORMDRAIN BOX
- STORM WATER CATCH BASIN

Sheet List Table

Sheet Number	Sheet Title
C001	COVER
C101	DEMOLITION PLAN
C201	SITE PLAN
C202	UTILITY PLAN
C203	WATERLINE PLAN & PROFILE
C301	GRADING PLAN
C302	STORMWATER PLAN
C303	EROSION CONTROL PLAN
C501	DETAILS
C502	DETAILS

Know what's below. Call 811 before you dig.
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UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

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SALT LAKE | P: 801.216.3192
UTAH VALLEY | P: 801.874.1432
info@civilsolutionsgroup.net
www.civilsolutionsgroup.net

RULON SMALL FLEX SPACE
2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

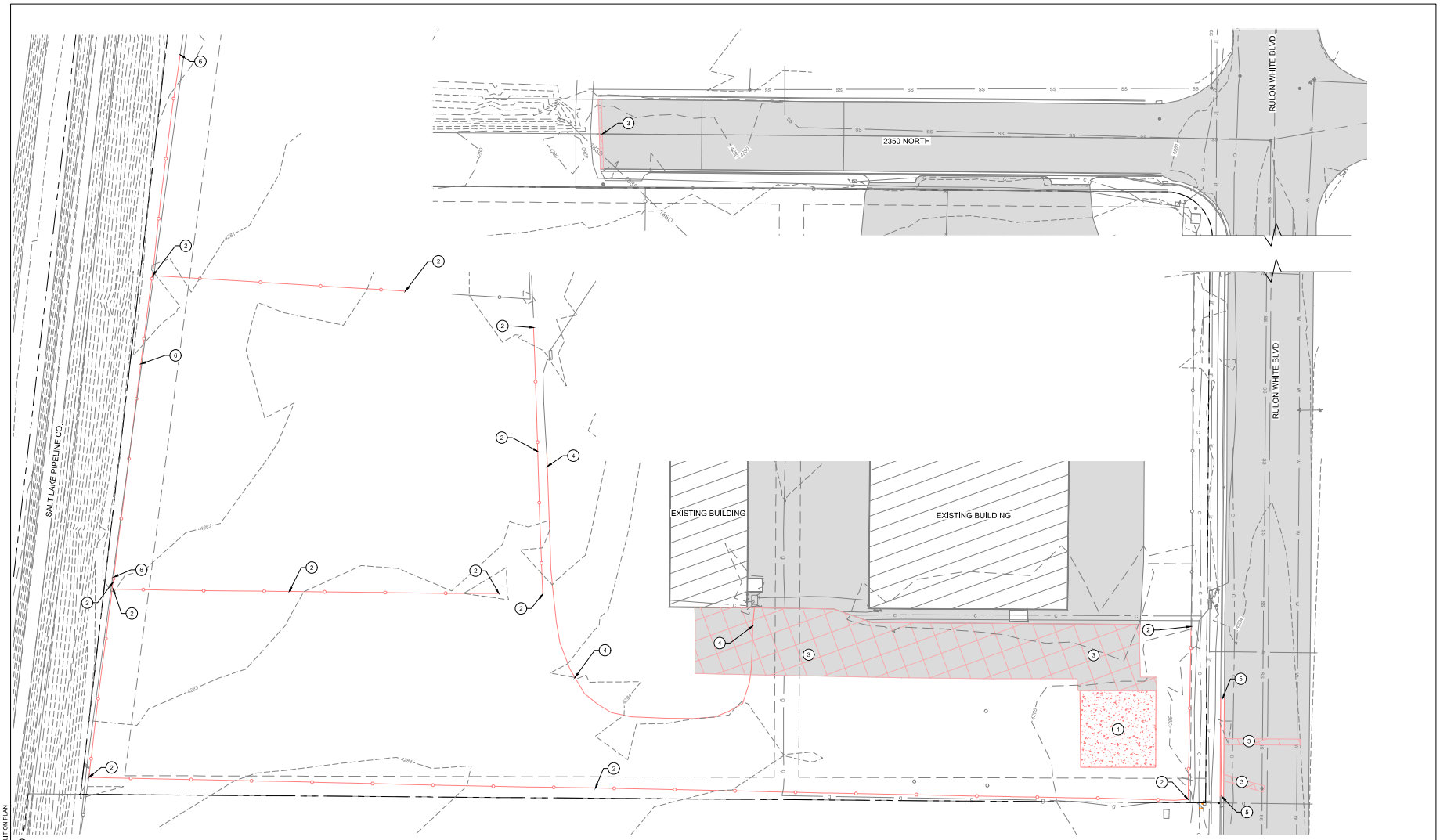
MARK	DATE	DESCRIPTION

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

COVER

C001

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 COVER & LEGEND



① DEMOLITION PLAN SHEET KEY NOTES:

ALL ITEMS CALLED OUT TO BE REMOVED SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER AND LOCATION:

1. REMOVE CONCRETE PAD
2. REMOVE FENCE TO NEAREST POST
3. SAWCUT AND REMOVE ASPHALT PAVEMENT
4. RELOCATE POWER LINE. COORDINATE WITH PROPOSED POWER LINE ON UTILITY PLAN
5. SAWCUT AND REMOVE CURB & GUTTER TO NEAREST JOINT
6. ADJUST FENCE TO NEW GRADE

N

0 30 60 Feet

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DESIGNING OUR FUTURE

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 DEMOLITION PLAN

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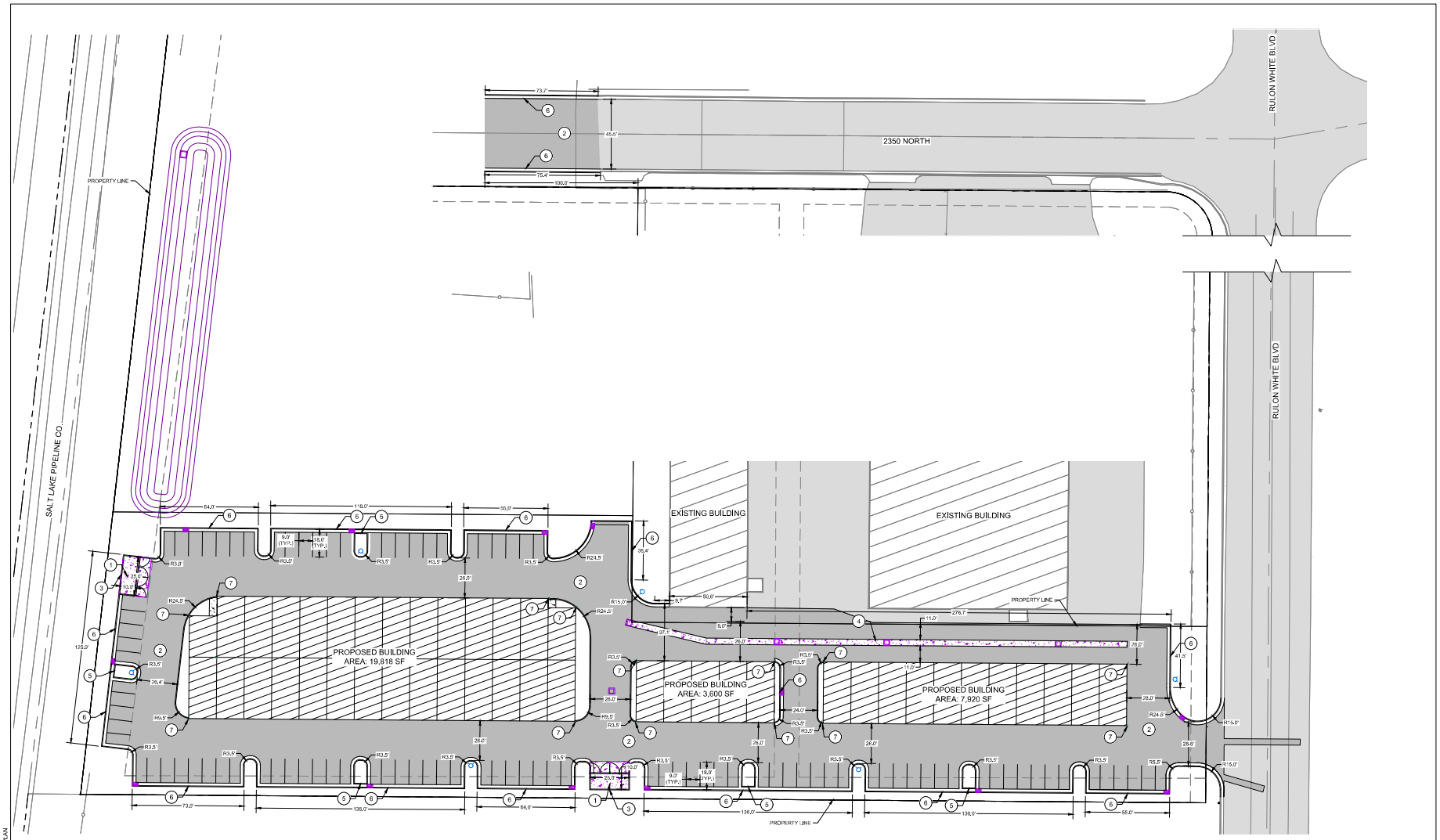
MARK	DATE	DESCRIPTION

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

JAMES A. DAY
12766905-0301
4/30/2024
STATE OF UTAH

DEMOLITION PLAN

C101



① SITE SHEET KEY NOTES:

PROVIDE, INSTALL, AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. HEAVY DUTY CONCRETE PAVEMENT (4/C501)
2. STANDARD DUTY ASPHALT PAVEMENT (3/C501)
3. DUMPSTER ENCLOSURE; SEE ARCHITECTURAL PLANS
4. 4' CONCRETE WATERWAY (2/C501)
5. PASS THROUGH CURB
6. 30" CATCH CURB & GUTTER (1/C501)
7. STEEL BOLLARD (6/C502)

GENERAL NOTES:

1. PARCEL TAX ID: 19-065-0012
2. PARCEL ZONING: LIMITED MANUFACTURING (M-1)
3. PARCEL AREA: 2.43 AC.±
4. PARKING CALCS:
   1 STALL PER 500 SQ FT REQUIRED
   STALLS REQUIRED: 63
   STALLS PROVIDED: 98
5. LEGAL DESCRIPTION:
   PART OF LOT 11, WEBER INDUSTRIAL PARK, PLAT A OF THE WEBER COUNTY RECORDER, PART OF SECTION 36, TOWNSHIP 7, RANGE 2 WEST, SLB&M.

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RULON SMALL FLEX SPACE

2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

MARK	DATE	DESCRIPTION:

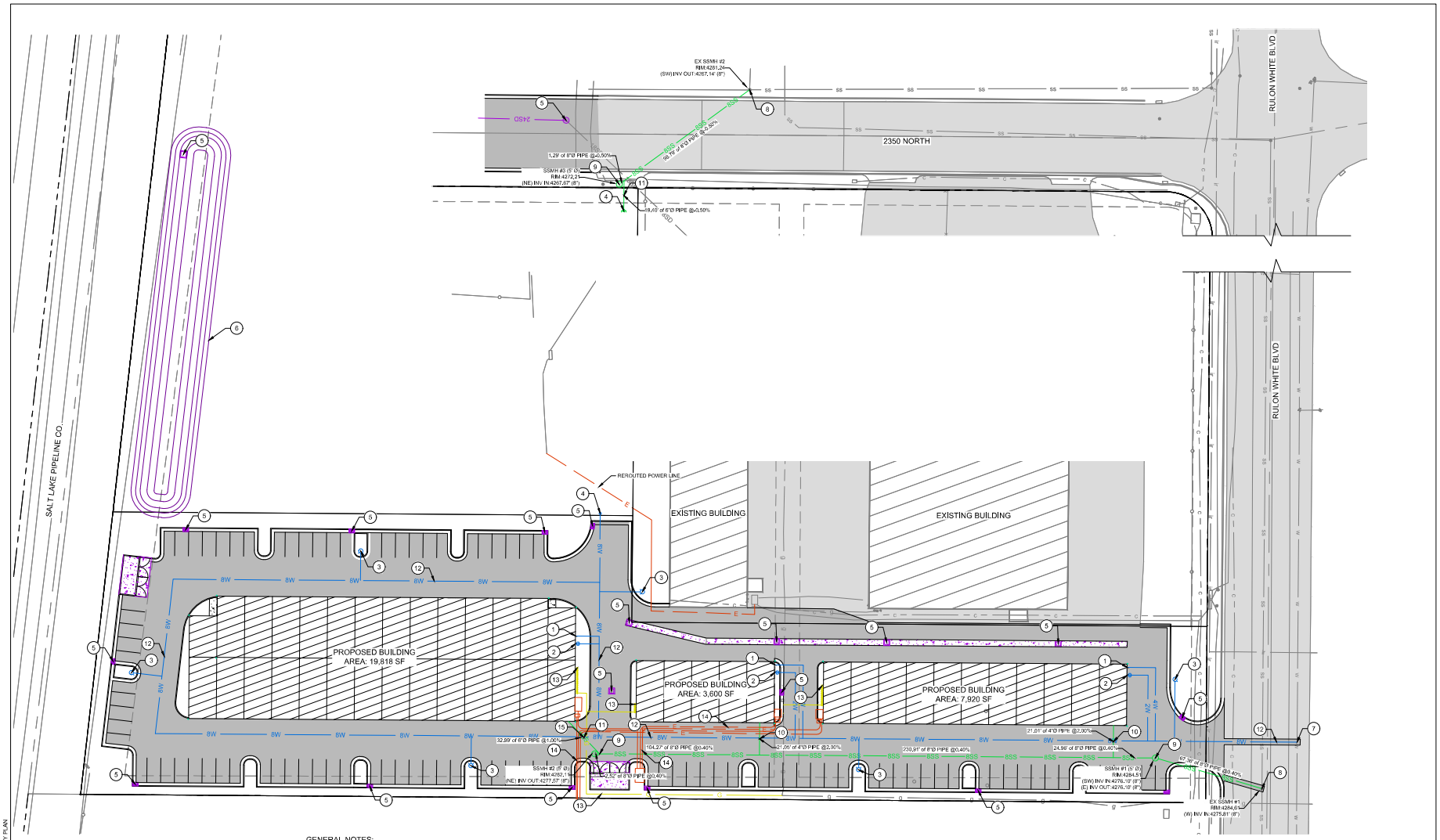
PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

DANIEL J. FALSLEV
12766840-2202
4/30/2024
STATE OF UTAH

SITE PLAN

C201

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 SITE PLAN



① SITE SHEET KEY NOTES:

PROVIDE, INSTALL, AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS

1. 4"Ø FIRE LINE WITH BACKFLOW PREVENTER AT CONNECTION
2. 4"Ø SECONDARY WATER SERVICE & METER (5/C501 & 18/C501)
3. FIRE HYDRANT ASSEMBLY (8/C501)
4. BLOW-OFF VALVE (6/C501)
5. SCHEDULE 40 CONDUIT (SEE STORMWATER PLAN SHEET C302 FOR DESIGN)
6. STORM WATER POND (SEE STORMWATER PLAN SHEET C302 FOR DESIGN)
7. CONNECT TO EXISTING 12" Ø90 WATERLINE. WATERLINE IS ALL PRIVATE FROM HOT TAP IN ROADWAY
8. CONNECT TO EXISTING MANHOLE
9. SANITARY SEWER MANHOLE (3/C502)
10. 4"Ø SANITARY SEWER SERVICE (2/C502)
11. 8"Ø SANITARY SEWER SERVICE (4/C502)
12. 4"Ø PRIVATE SALINARY WATER LINE
13. CONTRACT CONTINUE TO COORDINATE WITH UTILITY OWNER
14. UNDERGROUND POWER LINES, SEE ELECTRICAL PLANS
15. LOOP WATER LINE (7/C501)

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND CONTACT ENGINEER IF DIFFERENT FROM LOCATIONS DISPLAYED ON THESE PLANS.
2. MINIMUM 18" OF VERTICAL SEPARATION REQUIRED BETWEEN WATER MAIN AND SEWER MAIN WHERE LINES INTERSECT.
3. MINIMUM OF 10' FROM OUTSIDE-OF-PIPE TO OUTSIDE-OF-PIPE REQUIRED BETWEEN CULINARY WATER LINE AND ALL OTHER WET UTILITIES.
4. ALL SEWER, STORM DRAIN AND CULINARY WATER LINES SHALL BE INSTALLED PER UTILITY TRENCHING DETAIL FOUND IN STANDARD DRAWING 06 ON SHEET C501.
5. ALL CULINARY WATER LINES SHALL BE AWWA C900 DR18. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 5' OF COVER.
6. DONA VISTA TO MAINTAIN WATER METERS ONLY. WATER LINE AND SERVICES TO BE MAINTAINED BY PROPERTY OWNER.
7. CONTRACTOR TO LOCATE TIE-IN POINTS IN WHICH MAY AT THEIR OWN RISK.
8. PROVIDE 1'-4'T HORIZONTAL SEPARATION BETWEEN CENTERLINES OF WATER & SEWER.
9. ALL WATER SERVICES SHALL BE INSTALLED PER STANDARD DETAIL 05 ON SHEET C501.
10. ALL SEWER SERVICES SHALL BE INSTALLED PER STANDARD DETAIL 02 ON SHEET C502.
11. ALL SEWER LINES SHALL BE CONSTRUCTED OF PVC SDR-35 MATERIAL.
12. CONTRACTOR SHALL PLACE CONCRETE THRUST BLOCKS ON ALL TEES, WYES, BENDS, ANGLES, ETC ON ALL WATER LINES AS SHOWN IN DETAIL 04 ON SHEET C502.
13. POWER - CONTRACTOR SHALL COORDINATE WITH OWNER AND ROCKY MOUNTAIN POWER TO DETERMINE PRECISE LOCATION AND LAYOUT OF POWER LINES THROUGH DEVELOPMENT. CONTRACTOR SHALL BE RESPONSIBLE TO TRENCH, BED, INSTALL AND FILL IN THE POWER TRENCH AND PROVIDE THE REQUIRED PVC SCHEDULE 40 CONDUIT.
14. TELEPHONE AND CABLE - CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR LOCATION OF CONDUIT CROSSINGS AND SHALL INSTALL ALL CONDUITS.
15. GAS - CONTRACTOR SHALL COORDINATE INSTALLATION OF GAS WITH DOMINION ENERGY.

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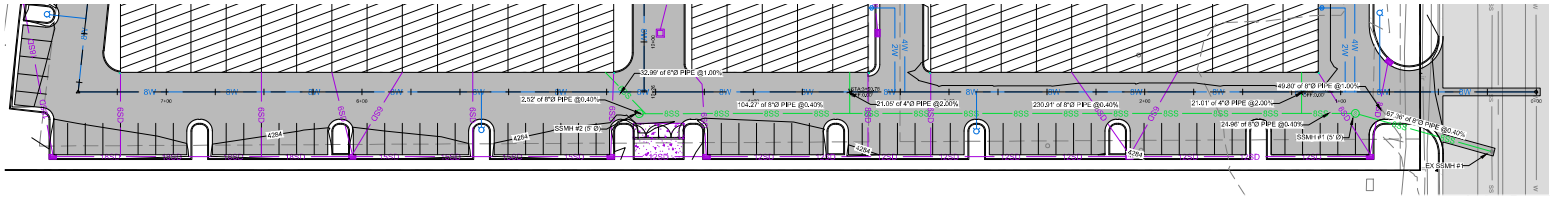
MARK	DATE	DESCRIPTION

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

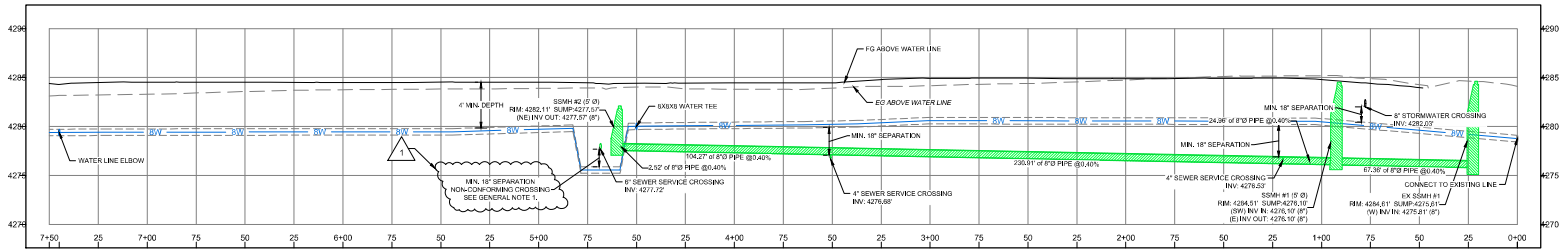
UTILITY PLAN

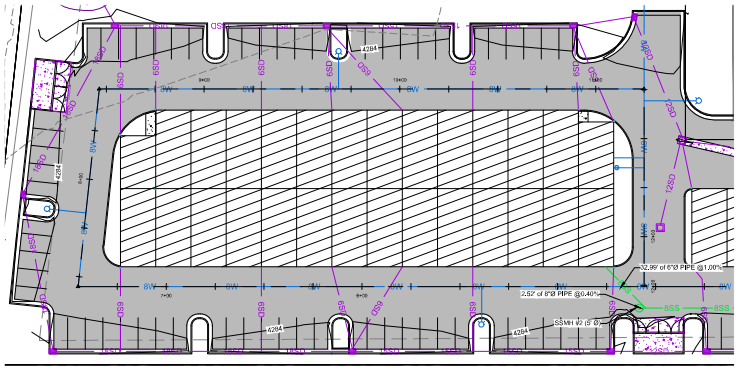
C202

P:\2023\23-069 rulon small flex space\CivilCAD\sheet set\23-069 UTILITY PLAN



WATER LINE PROFILE

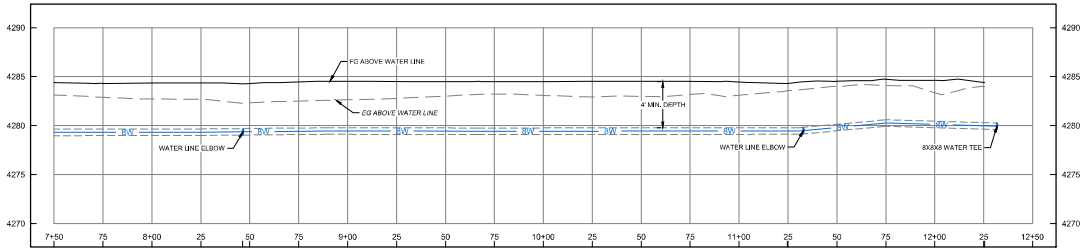


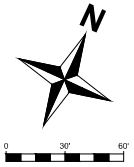


GENERAL NOTES:

1. NON-CONFORMING WATER AND SEWER CROSSINGS MAY BE MITIGATED BY PROVIDING A WATER-TIGHT CASING FOR EACH CROSSING FOR A MINIMUM DISTANCE OF 10 FEET HORIZONTALLY FROM THE CROSSING. THIS DISTANCE IS MEASURED PERPENDICULARLY FROM THE WATER MAIN. THE REQUEST FOR EXCEPTION MUST BE SUBMITTED BY THE DISTRICT ENGINEER.
2. WATER LINE INSTALLATIONS SHALL CONFORM TO BONA VISTA STANDARDS FOR CULINARY WATER.

WATER LINE PROFILE





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RULON SMALL FLEX SPACE
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NORTH OGDEN, UT 84414

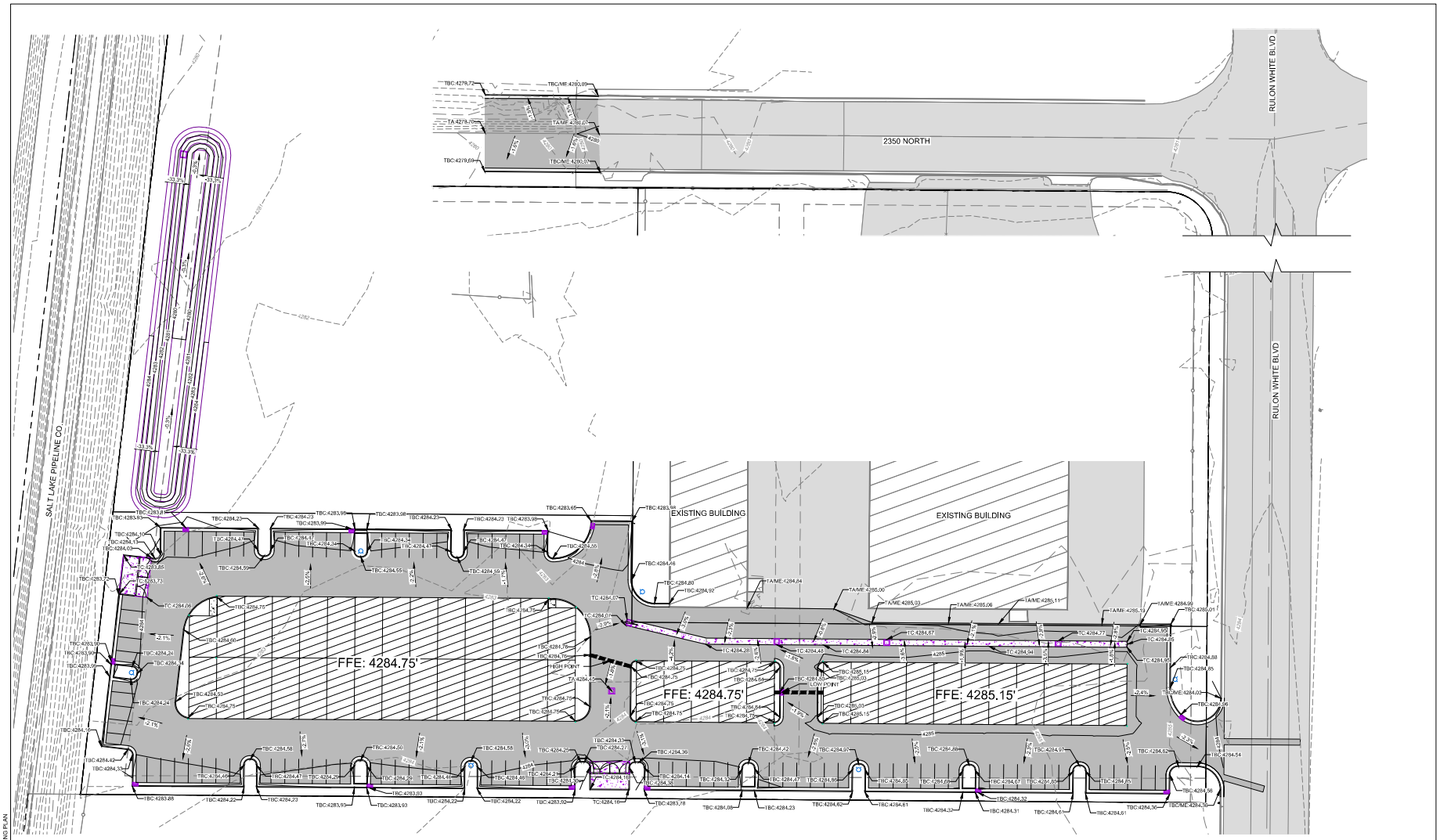
MARK:	DATE:	DESCRIPTION:
1	4/30/24	BONA VISTA COMMENTS

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

WATERLINE PLAN & PROFILE

C203

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\plans\ sol\23-069 WATERLINE PLAN & PROFILE



GRADING GENERAL NOTES:

1. ALL TBC CALLOUTS ARE AT FULL HEIGHT AT BACK OF CURB.
2. MAINTAIN A MINIMUM OF 0.3% LONGITUDINAL SLOPE IN ALL GUTTERS.
3. MAINTAIN A MAXIMUM OF 2.0% CROSS-SLOPE ON ALL SIDEWALKS AND AT ALL BUILDING DOORWAY ENTRANCES AND EXITS.

GRADING LEGEND:

TA = TOP OF ASPHALT
TC = TOP OF CONCRETE
TBC = TOP BACK OF CURB
ME = MATCH EXISTING

LEGEND:

GRADE BREAK

N

0 30 60 Feet

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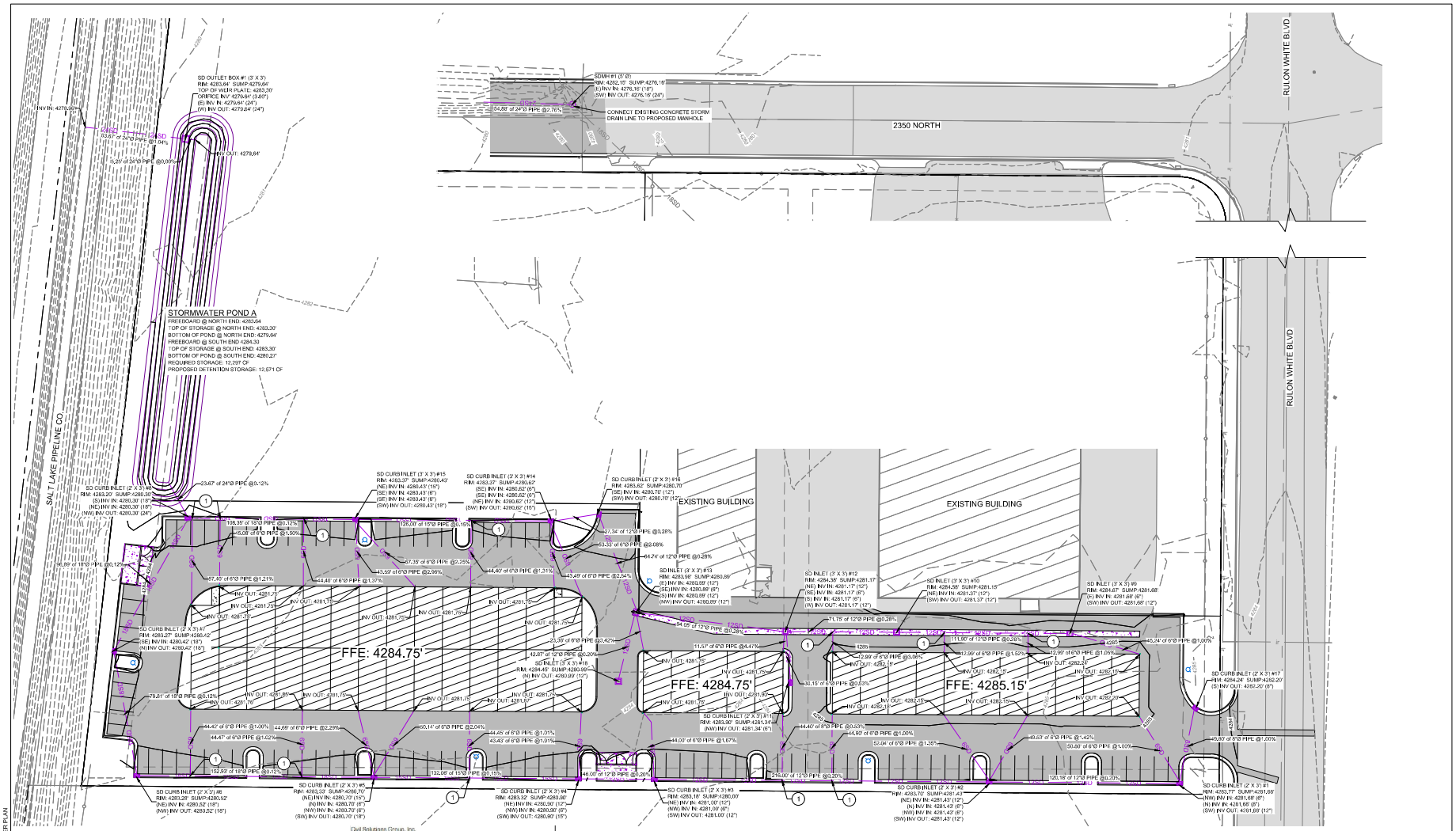
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

CIVIL SOLUTIONS GROUP, INC. JAMES A. DAY 12760804-2202 4/30/2024 STATE OF UTAH

GRADING PLAN

C301

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 GRADING PLAN



STORMWATER NARRATIVE:

THIS SITE SHALL BE DESIGNED TO DETAIN THE WEBER COUNTY 100-YR 24-HR STORM. DUE TO SUB-OPTIMAL INFILTRATION RATES, A RETENTION DESIGN IS NOT RECOMMENDED. IT IS THEREFORE PROPOSED FOR THIS SITE TO INCLUDE A DETENTION ONLY FACILITY. STORMWATER WILL BE RELEASED AT THE SITE'S PRE-DEVELOPMENT RUNOFF RATE OF 0.25 CFS. THIS SITE SHALL CONFORM TO ALL STANDARDS OUTLINED IN THE WEBER COUNTY STORMWATER DESIGN STANDARDS. SEE THIS SHEET FOR STORMWATER CALCULATIONS.

ALL RUNOFF WILL BE CONVEYED AND STORED IN THE STORMWATER POND. THIS POND WILL BE SIZED TO STORE THE ENTIRETY OF THE SITE. THIS POND WILL BE APPROXIMATELY (3' + 1' OF FREEBOARD). THE POINT OF DISCHARGE WILL BE INTO THE EXISTING DITCH THAT RUNS ALONG THE WEST SIDE OF THE PROPERTY.

① STORMWATER SHEET KEY NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. INSERT A TEE (11/C501)

Civil Solutions Group, Inc.
Designing Our Future

Project: Rulon Flex Space
Date: 5-Feb-24
Location: Weber County, UT
Method: Rational

Post Development Area

	Area (acres)	Runoff Coefficient	Weighted Area
Hardscape	2.19	0.80	1.87
Open Space	0.30	0.10	0.03
Total Area	2.50 acres		
Total Weighted Area			2.00

Design Storm: 100 year, 24-hr storm
Release Rate (0.1 cfs/acre to same): 0.25 cfs

Duration (min)	Intensity (in/hr)	Post-Dev. Runoff (cfs)	Total Runoff (CF)	Cumulative Allow Discharge (CF)	Detention Storage Req'd (CF)
5	6.76	13.53	4,064	75	3,989
10	5.14	10.30	6,179	150	6,030
15	4.04	8.10	7,646	225	7,421
30	2.96	5.73	10,319	450	9,869
60	1.77	3.55	12,793	898	11,895
120	0.96	1.92	14,025	1,795	12,231
180	0.67	1.34	14,434	2,697	11,737
360	0.37	0.75	16,100	5,393	10,707
720	0.22	0.45	19,735	10,786	8,950
1440	0.13	0.25	21,813	21,572	241
2880	0.07	0.14	24,583	43,144	-18,561

Total Storage Required: 12,297 CF
90th Percentile Storm Volume (0.8-inches): 9,458 CF

Orifice Size Calculation (OUTLET BOX #1)

H = Head = W.S.E. - INV =	3.00 ft
P.Q. = Peak Allowable Discharge =	0.25 cfs
Orifice Diameter in inches = 6.12*(P.Q./(H*(1/2))*(1/2)) =	2.33 inches
Orifice Diameter for Maintenance Purposes =	3.00 inches

Know what's below. Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

N

0 30 60 Feet

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

civilsolutionsgroup inc.
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SALT LAKE | P: 801.216.3192
UTAH VALLEY | P: 801.874.1432
info@civilsolutionsgroup.net
www.civilsolutionsgroup.net

RULON SMALL FLEX SPACE

2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

MARK	DATE	DESCRIPTION:

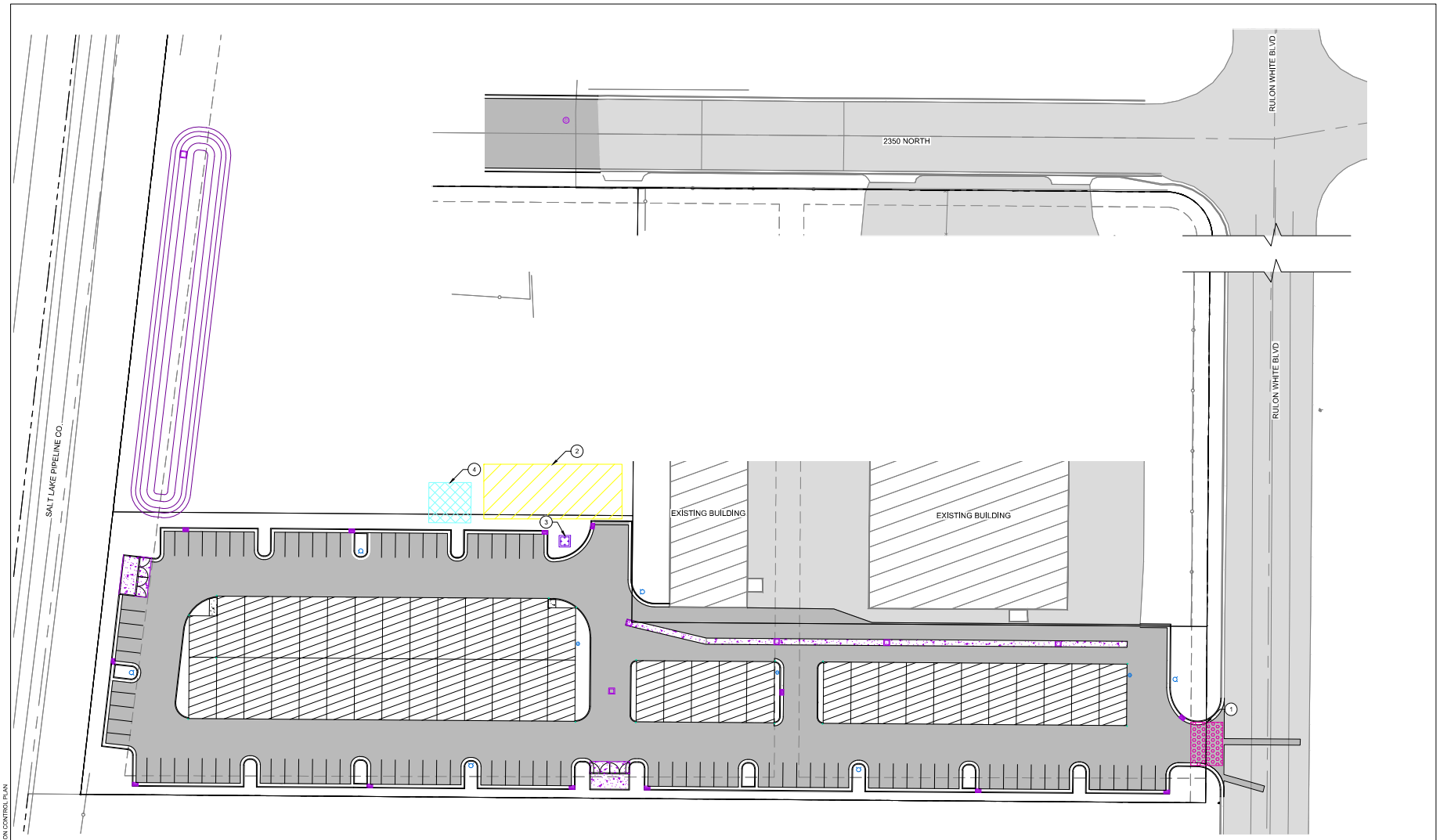
PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

DANIEL J. FALSLEV
12766804-2202
4/30/2024
STATE OF UTAH

STORMWATER PLAN

C302

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 STORMWATER PLAN



EROSION CONTROL GENERAL NOTES:

1. ALL PROPOSED CATCH BASINS AND EXISTING CATCH BASINS WITHIN 100' OF PROJECT SHOULD HAVE A GRAVEL SOCK.
2. SEE DETAIL 7C502 FOR ALL STORMWATER POLLUTION PREVENTION PLAN DETAILS.

1 EROSION CONTROL SHEET KEY NOTES:

PROVIDE, INSTALL, AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED. THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. VEHICLE TRACK OUT PAD
2. MATERIAL STAGING AREA
3. PORTABLE TOILET
4. CONCRETE WASHOUT FACILITY

N

0 30 60 Feet

Know what's below. Call 811 before you dig.
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UTILITY NOTIFICATION CENTER, INC.
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RULON SMALL FLEX SPACE
2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

MARK	DATE	DESCRIPTION

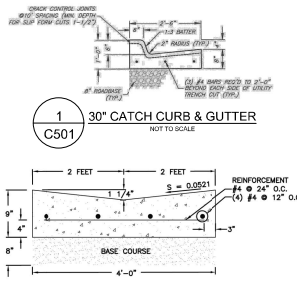
PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

JAMES DAY
12766847-2202
4/30/2024
STATE OF UTAH

EROSION CONTROL PLAN

C303

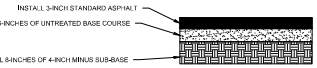
P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 EROSION CONTROL PLAN



1 C501 — 30" CATCH CURB & GUTTER
NOT TO SCALE

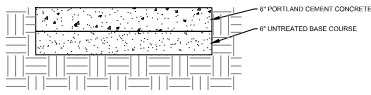
4'-0" WATERWAY
CONCRETE AREA = 2.583 SQ. FT.

2 C501 — 4' CONCRETE WATERWAY
NOT TO SCALE

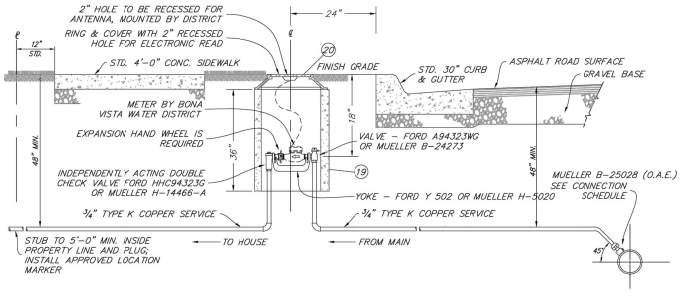


NOTE:
1. COMPACTION TESTS ARE REQUIRED FOR BOTH SUBGRADE MATERIALS

3 C501 — STANDARD DUTY ASPHALT PAVEMENT
NOT TO SCALE



4 C501 — HEAVY DUTY CONCRETE PAVEMENT
NOT TO SCALE



NO.	3/4" SERVICE	1" SERVICE
19	18"x36" METER BOX-CONCRETE OR CORRUGATED PVC (DOUBLE WALL)	24"x36" METER BOX-CONCRETE OR CORRUGATED PVC (DOUBLE WALL)
20	CAST IRON COVER W/ LOCKING NUT (D & L SUPPLY MODEL L-2240-15)	24" MANHOLE RING & COVER W/ CAMLOCK (D & L SUPPLY MODEL B-5024-03)

TYPICAL CULINARY WATER SERVICE CONNECTION

OWNERS RESPONSIBILITY:

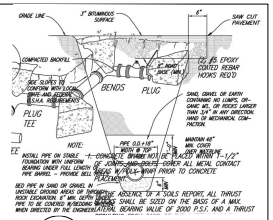
THE OWNER OR CONTRACTOR SHALL PAY CONNECTION FEE AND SECURE PERMITS.

1. THE OWNER OR CONTRACTOR SHALL PAY FOR ALL COSTS OF INSTALLATION INCLUDING ALL MATERIALS, (SADDLE, NECESSARY PIPE, YOKE/SETTER, CHECK VALVE, METER ANGLE VALVE & EXPANSION FITTING, METER BOX, CAST RING & COVER, - METER PROVIDED BY BONA VISTA WATER DISTRICT) ALL EXCAVATION AND FILL, ASPHALT REPLACEMENT, WATER MAIN CONNECTION, AND LABOR.
2. NOTIFY THE DISTRICT 24 HOURS IN ADVANCE FOR LINE LOCATIONS AND/OR TAP ON MAIN. ALL WORK MUST BE INSPECTED AND APPROVED BY BONA VISTA WATER DISTRICT.
3. PROPER GRADE IS THE OWNERS/CONTRACTORS RESPONSIBILITY. THE DISTRICT WILL NOT SET METER UNLESS THE YOKE AND METER BOX ARE AT THE PROPER GRADE. WORK MAY BE DONE BY OWNER OR LICENSED PLUMBER OR CONTRACTOR. ALL WORK IS THE RESPONSIBILITY OF THE OWNER.
4. OWNER OR CONTRACTOR SHALL CALL BLUE STAKES OR DIRECT TO UTILITY COMPANIES FOR LOCATION OF UNDERGROUND GAS, TELEPHONES, ELECTRIC, CABLE T.V., IRRIGATION, PETROLEUM, AND SEWER LINES BEFORE DIGGING.
5. DISTRICTS RESPONSIBILITY:
   1. BONA VISTA WATER DISTRICT WILL FURNISH AND INSTALL METER AT NO COST.
   2. THE DISTRICT WILL LOCATE WATER MAIN PRIOR TO EXCAVATION - 24 HOUR NOTICE.
   3. THE OWNER WILL MAKE THE TAP ON THE WATER MAIN INCLUDING FURNISHING THE CORPORATION STOP.
   4. THE DISTRICT WILL FURNISH AND SET WATER METER IN CUSTOMERS YOKE.
   5. THE DISTRICT WILL INSPECT AND APPROVE ALL WORK - 24 HOUR NOTICE.

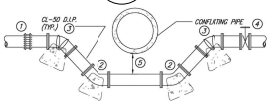
CONNECTION SCHEDULE		
MATERIAL	SIZE	CONNECTION (B)
STEEL AND/OR ASBESTOS CEMENT	≥6"	ROMAC 101 N
STEEL AND/OR ASBESTOS CEMENT	>6"	ROMAC 202 N DOUBLE STRAP
CAST IRON AND/OR DUCTILE IRON	≥6"	CORPORATION STOP-MUELLER B-25028
CAST IRON AND/OR DUCTILE IRON	>6"	CORPORATION STOP-MUELLER B-25028
PVC C-900	≥6"	ROMAC 101 N (FOR PVC) W/ I.P. CORPORATION STOP MUELLER B-25028
PVC C-900	>6"	ROMAC 202 N DBL. STRAP (FOR PVC) W/ I.P. CORP. STOP
PVC CLASS 200	<8"	CONTROLLED O.D. SADDLE

(A) SADDLE CAN BE COMPARABLE TO ABOVE BUT SAME CORROSION PROOF BODY AND WIDE STRAPS ARE REQUIRED.
(B) ALL NEW SUB CONNECTION TAPS SHALL BE DONE BY DEVELOPER. DISTRICT PROJECT TAPS SMALL BE COORDINATED BY THE DISTRCT.

5 C501 — CULINARY WATER SERVICE
NOT TO SCALE

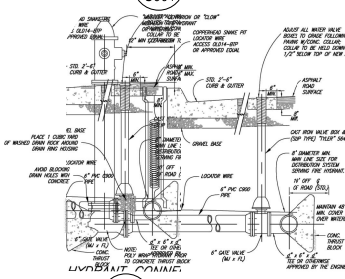


6 C501 — UTILITY TRENCH
NOT TO SCALE

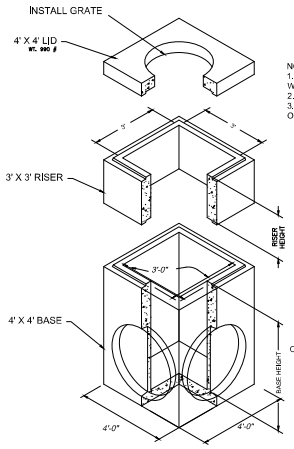


1. TRANSITION COUPLING; ROCKWELL MODEL 441 OR ROMAC MODEL 501.
2. MJ 45° BEND W/RETAINER GLANDS.
3. CONSTRUCT THRUST BLOCKS AT EACH 45° BEND W/(3) #6 REBARS SECURING BLOCK TO FITTING (EPOXY COATING).
4. FURNISH & INSTALL MJ GATE VALVE & BOX IF REQUIRED BY THE DISTRICT ENGINEER
5. MINIMUM OF 12" SEPERATION BETWEEN THE WATERLINE AND CONFLICTING PIPE TO BE CROSSED. IF CONFLICTING PIPE IS A SEWER PIPE THEN THE WATERLINE MUST CROSS OVER THE SEWER PIPE WITH A MINIMUM CLEARANCE OF 18" BETWEEN PIPES.

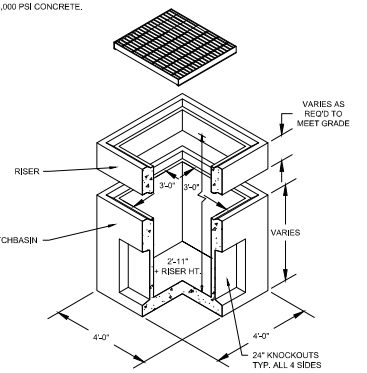
7 C501 — CULINARY WATER LOOP
NOT TO SCALE



8 C501 — FIRE HYDRANT ASSEMBLY
NOT TO SCALE



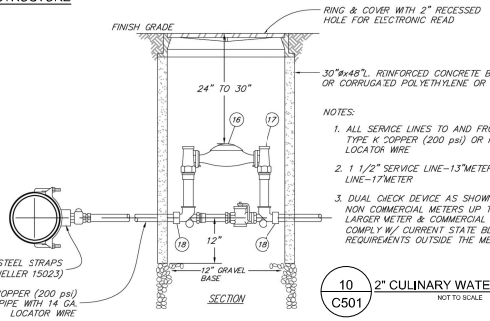
NOTE:
1. CATCH BASINS AND GRATE SHALL MEET ASTM C858 WITH AASHTO HS-20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.



NOTE:
1. CATCH BASINS AND GRATE SHALL MEET ASTM C858 WITH AASHTO HS-20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.

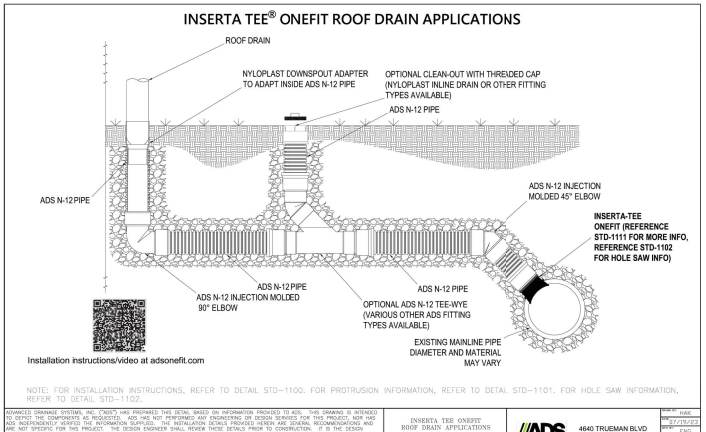
9 C501 — 3'x3' STORM DRAIN OUTLET STRUCTURE
NOT TO SCALE

NO.	DESCRIPTION (1 1/2" & 2" METER STA.)	JOINT TYPE	1 1/2" LINE	2" LINE
16	WATER METER	FL	1 1/2"	2"
17	"MUELLER" B-2423-2 METER YOKE (18" HEIGHT)	–	1 1/2"	2"
18	"MUELLER" 110 COMPRESSION CONN. COUPLING	–	1 1/2"	2"



NOTES:
1. ALL SERVICE LINES TO AND FROM METER TO BE TYPE K COPPER (200 psi) OR POLY PIPE WITH 14 GA. LOCATOR WIRE
2. 1 1/2" SERVICE LINE-13"METER 2" SERVICE LINE-17"METER
3. DUAL CHECK DEVICE AS SHOWN ARE APPLICABLE FOR NON COMMERCIAL METERS UP TO 2" ONLY. ALL LARGER METER & COMMERCIAL APPLICATION SHALL COMPLY W/ CURRENT STATE BLACK FLOW PREVENTION REQUIREMENTS OUTSIDE THE METER.

10 C501 — 2" CULINARY WATER METER
NOT TO SCALE



11 C501 — INSERTA TEE ROOF DRAIN
NOT TO SCALE

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www.civilsolutionsgroup.net

RULON SMALL FLEX SPACE
2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

MARK	DATE	DESCRIPTION

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

DETAILS

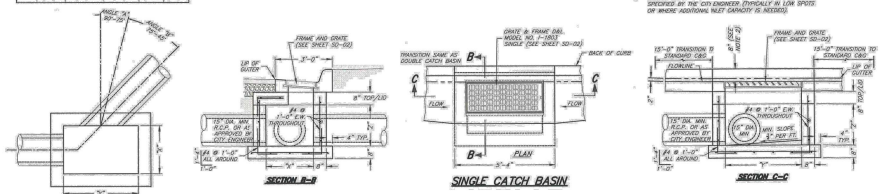
C501

P:\2023\23-069 rulon small flex space\Civil\AutoCAD\sheet set\23-069 DETAILS

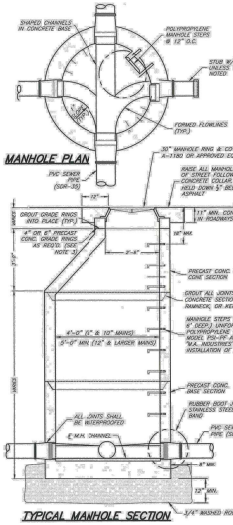
STANDARD CATCH BASIN DIMENSION TABLE					
PIPE SIZE (IN.)	"X"	SINGLE CATCH BASIN (ANGLE 'A') 75°	(ANGLE 'B') 75°	DOUBLE 75°	"X" MIN.
12	2'-0.5"	4'-0"	4'-0"	8'-0"	2'-0"
18	2'-0.5"	4'-0"	4'-0"	8'-0"	2'-0"
21	4'-0"	4'-0"	4'-0"	8'-0"	3'-0"
24	4'-0"	4'-0"	5'-0"	8'-0"	3'-0"
30	4'-0"	4'-0"	6'-0"	8'-0"	3'-6"
36	4'-0"	5'-0"	6'-0"	8'-0"	4'-0"
42	6'-0"	6'-0"	7'-0"	8'-0"	5'-0"
48	6'-0"	8'-0"	8'-0"	8'-0"	5'-0"

NOTES:

1. ALL CATCH BASIN BOX SIZES REFLECT DIMENSIONS FOR THE MINIMUM 15"Ø PIPE SIZE. BOX DIMENSIONS MUST INCREASE PROPORTIONALLY TO ACCOMMODATE LARGER PIPE SIZES.
2. DEPTH MAY VARY FROM 6" TO 10'-6" AS DIRECTED BY THE CITY ENGINEER
3. CAST-IN-PLACE CONCRETE CATCH BASINS CAN BE REPLACED WITH PRECAST CONCRETE CATCH BASINS WITH HS-20 DECK LOADING AND COMPARABLE SIZE.
4. ALL INLETS SHALL BE FORMED ON THE INSIDE AND OUTSIDE OF THE BOX AND INSPECTED BY THE CITY PRIOR TO THE PLACING OF CONCRETE.
5. DOUBLE CATCH BASINS WILL BE REQUIRED IN LOCATIONS SPECIFIED BY THE CITY ENGINEER (TYPICALLY IN LOW SPOTS OR WHERE ADDITIONAL INLET CAPACITY IS NEEDED).



1 C502 STORMWATER CATCH BASIN
NOT TO SCALE



3 C502 SANITARY SEWER MANHOLE
NOT TO SCALE

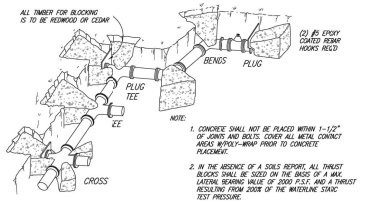
THRUST PER P.S.I. OF WATER PRESSURE AT VARIOUS FITTINGS				
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22 1/2° ELBOW
4	19	27	15	7
6	39	55	30	15
8	67	94	51	26
10	109	154	84	43
12	155	218	119	61
14	210	296	161	82
16	272	383	209	106
18	351	494	269	137
20	434	611	333	169
24	623	878	478	244

EXAMPLE:

8-INCH 90° ELBOW, PRESSURE 200 LB./SQ. IN.
FROM TABLE : THRUST = 94 x 200 = 18,800 LB.
ASSUME BEARING STRENGTH OF SOIL = 2000 LB./SQ. FT.
18,800 / 2,000 = 9.4 SQ. FT. AREA OF BEARING REQUIRED FOR THRUST BLOCK

NOTES:

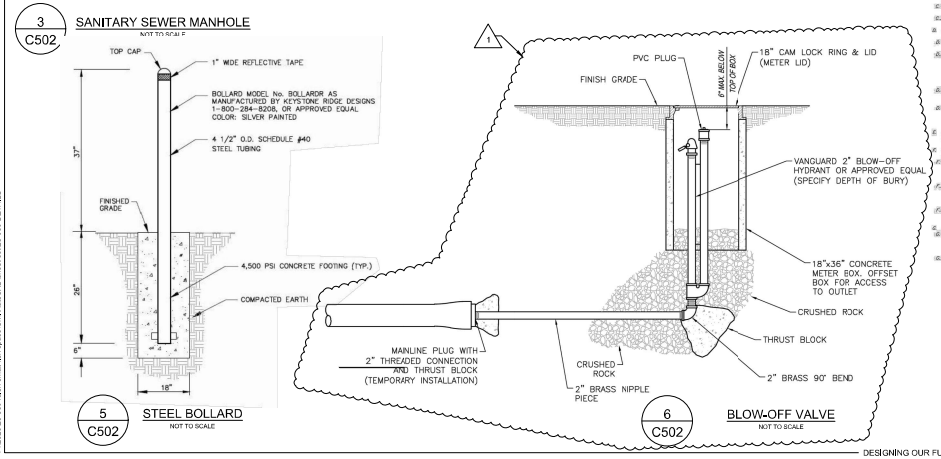
1. IN USING THE ABOVE TABLES, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (I.E. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT OFF, ETC.).
2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL. IN THE ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADAGLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.



NOTE:

1. CONCRETE SHALL NOT BE PLACED WITHIN 1-1/2" OF JOINTS AND BOLTS. COVER ALL METAL CONTACT AREAS WITH POLY-WRAP PRIOR TO CONCRETE PLACEMENT.
2. IN THE ABSENCE OF A SOILS REPORT, ALL THRUST BLOCKS SHALL BE SIZED ON THE BASIS OF A MAX. LATERAL BEARING VALUE OF 2000 P.S.F. AND A THRUST RESULTING FROM 200% OF THE WATERLINE STATIC TEST PRESSURE.
3. THRUST BLOCKS ARE REQ'D. AT ALL BENDS OF 22-1/2° OR MORE.
4. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 2500 PSI IN 28 DAYS.

4 C502 THRUST BLOCKING
NOT TO SCALE

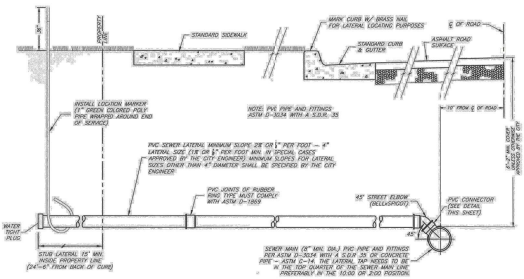


5 C502 STEEL BOLLARD
NOT TO SCALE

6 C502 BLOW-OFF VALVE
NOT TO SCALE

GENERAL NOTES:

1. ALL SANITARY SEWER LATERAL CONNECTIONS ON SEWER MAINS IN NEW SUBDIVISIONS SHALL BE MADE WITH IN-LINE PRE-FORMED WYES OR TEES UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. FLOWLINE ELEVATION OF LATERALS SHALL EQUAL THE INSIDE TOP OF PIPE ON MAINLINE AT THE CONNECTION POINT.
3. ALL WYE LINES MUST BE A MINIMUM OF 8" DIAMETER PIPE.
4. PVC SANITARY SEWER MAIN LINES SHALL BE "GREEN" IN COLOR. LAND DRAIN LINES SHALL BE "WHITE" IN COLOR. IRRIGATION PIPES SHALL BE "PURPLE" IN COLOR. CONTRACTOR TO VERIFY EXISTING PIPE PRIOR TO MAKING ANY CONNECTION
5. SANITARY SEWER LATERALS AND WYES SHALL HAVE GREEN WARNING TAPE AND GREEN TRACER WIRE FOR LOCATING PURPOSES.
6. SANITARY SEWER SERVICE LATERAL CONNECTIONS SHALL NOT BE ALLOWED IN SEWER MANHOLES.
7. SEWER LINES SHALL BE CONSTRUCTED INSIDE OF THE RIGHT-OF-WAY.
8. THE LOCATION OF NEW SEWER LATERALS MUST BE DOCUMENTED AND SUBMITTED TO THE CITY ON SCALED AS-BUILT DRAWINGS.
9. SEWER LATERALS ARE THE RESPONSIBILITY OF THE INDIVIDUAL OWNER TO THE MAIN.
10. CLEANOUTS ARE NOT ALLOWED ON SEWER MAINS. MAINS TO BE TERMINATED WITH A CITY STANDARD MANHOLE.
11. MODERN TEE PRODUCT IS NOT APPROVED BY THE CITY.
12. ALL CLEANUPS WATER MAINS AND SERVICES MUST MAINTAIN A MINIMUM SEPARATION FROM ALL SEWER MAINS AND LATERALS OF 10'-0" HORIZONTAL AND 18" VERTICAL (WITH THE WATER MAIN ABOVE THE SEWER MAIN) IN ACCORDANCE WITH THE STATE OF UTAH DIVISION OF DRINKING WATER RULES SECTION R309-550-7
13. ALL SANITARY SEWER LINES SHALL BE AIR TESTED AND INSPECTED BY MEANS OF VIDEO CAMERA FOLLOWING CONSTRUCTION. PRIOR TO VIDEO, PIPE SHALL BE FLUSHED WITH A PRESSURIZED CLEANING TRUCK. ALL WATER & DEBRIS SHALL BE SUCKED OUT & REMOVED FROM THE LINE AND MANHOLE. CONNECTIONS TO EXISTING SEWER LINES SHALL BE BLOCKED TO PREVENT FLUSHED DEBRIS FROM ENTERING SEWER. CLEAN WATER SHALL BE ADDED TO THE LINE WHILE RECEIVING TO HELP EXPEDITE FLOW CONDITIONS. AFTER CORRECTING PROBLEMS, PIPES SHALL BE RE-INSPECTED BY THE SAME PROCEDURE. VIDEO RECORDINGS TO BE DELIVERED TO THE CITY.
14. ALL WORK WITHIN THE CITY'S RIGHT OF WAY TO BE PERFORMED BY A LICENSED CONTRACTOR W/ ALL APPLICABLE PERMITS.



TYPICAL SEWER LATERALS CONNECTION

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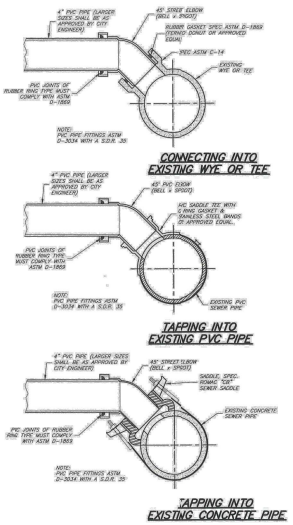


GENERAL NOTES AND PROCEDURE FOR CONSTRUCTION SITE ACTIVITIES:

SECTION 1 — GENERAL REQUIREMENTS: PREVENTIVE MEASURES SHALL BE TAKEN TO MINIMIZE OR ELIMINATE THE DISCHARGE OF POLLUTED STORM WATER INTO OFFSITE STORM DRAIN FACILITIES. OFFSITE SOURCES SHALL INCLUDE BUT NOT LIMITED TO: ROADS, PARKING LOTS, SIDEWALKS, BUILDINGS, PARKS, TRAILS, PATHS, WALKS, LANES, STREAMS, ETC. BY LAW THE CONTRACTOR SHALL KEEP A COPY OF THE POLLUTION PREVENTION PLAN ON SITE AND MAKE IT AVAILABLE UPON REQUEST TO A REPRESENTATIVE OF THE REGIONAL WATER BOARD OR OTHER RELATED AGENCIES.

SECTION 2 — EROSION: SEDIMENT IN STORM WATER IS THE PRIMARY POLLUTANT OF CONCERN FOR CONSTRUCTION ACTIVITIES. OTHER POLLUTANTS INCLUDING HEAVY METALS, NUTRIENTS, OILS, FUELS, AND ADDITIONAL TOXICS (CONSTRUCTION MATERIALS AND CHEMICALS) ARE OFTEN FOUND IN RUNOFF WHERE FOR CONSTRUCTION SITES.

SECTION 3 — PREVENTIVE MEASURES: PREVENTIVE MEASURES SHALL BE A PART OF ANY CONSTRUCTION ACTIVITY THAT MAY LEAD TO THE POLLUTION OF OFFSITE STORM WATER. THE FOLLOWING CONSTRUCTION ACTIVITIES SHALL BE ADDRESSED BY THE CONTRACTOR IN ORDER TO MINIMIZE OR ELIMINATE POLLUTED STORM WATER:

A. CLEARING AND GRUBBING CAN EXPOSE SOIL TO EROSION BY WIND AND WATER.
A.1. PROTECT AREAS EXPOSED TO WIND WITH EROSION CONTROL BLANKETS OR BY USING DUST MANAGEMENT METHODS SUCH AS A WATERING TRUCK.
A.2. CREATE BERMS OF SNOWS TO DIVERT RUNOFF AWAY FROM AREAS EXPOSED TO EROSION BY WATER.
A.3. STAKE-IN SOILS THAT ARE UNAVOIDABLY EXPOSED TO RUNOFF SUCH AS HAY OR LOAND EROSION CONTROL BLANKETS, TERRACING OR PLANTING NEW VEGETATION.
A.4. NATURAL WOODED EXPOSED AREAS CAN HELP CONTAIN RUNOFF AND PREVENT IT FROM ENTERING THE STORM DRAIN SYSTEM.

B. EXCAVATION AND GRADING CAN ALSO EXPOSE SOIL TO EROSION BY WIND AND WATER.
B.1. PROTECT AREAS EXPOSED TO WIND AND WATER WITH THE METHODS MENTIONED ABOVE.
B.2. SOIL CAN BE WRICKED DOWN DURING EXCAVATION BY APPLYING WATER USING A HOSE AND NOZZLE.

C. HAUL OR TRANSPORT OF MATERIALS OR WASTES TO OFFSITE DISPOSAL AREAS CAN RESULT IN TRACKING MUD ONTO ADJACENT CITY STREETS.
C.1. CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE TO MINIMIZE TRACKING DEBRIS ONTO CITY STREETS.
C.2. STREETS AND TO BE SWEPT WHERE TRACKING OCCURS.

D. REFUELING EQUIPMENT AND BRUSH EQUIPMENT MAINTENANCE ON SITE CAN ALSO CONTRIBUTE POLLUTE OFFSITE STORM DRAIN FACILITIES IF SPILLS OCCUR.
D.1. MAINTAIN EQUIPMENT IN GOOD OPERATING CONDITION. FIX LEAKS OF FUEL, OIL, AND OTHER SUBSTANCES IMMEDIATELY.
D.2. WHERE ONSITE FUELING IS PERMITTED, REDEMPTS ARE AREA WHERE SPILLS CAN BE CONTAINED. USE DRIP PANS WHEN FUELING EQUIPMENT SUCH AS A DRAIN PAN OR DROP CLOTH TO CATCH SPILLS AND PREVENT SPREADING. THE AREA SHALL NOT BE LOCATED NEAR STREAMS, RIVERS, RESERVOIRS, WELLS OR ADJACENT TO THE STORM WATER COLLECTION SYSTEM.
D.3. KEEP CLEANUP MATERIALS ON HAND TO ABSORB SPILLS. EDUCATE PERSONNEL ON PREVENTION AND CLEAN-UP TECHNIQUES. CLEAN UP SPILLS IMMEDIATELY AND PROPERLY.
D.4. EXCAVATE AND DISPOSE OF CONTAMINATED SOILS AS HAZARDOUS WASTE. CONTACT STATE AND LOCAL OFFICIALS FOR ANY SPILL OF REPORTABLE QUANTITY.

E. ON SITE EQUIPMENT OF VEHICLE WASH DOWN IS ONLY TO BE USED TO REMOVE SEDIMENT BUILD UP ON MACHINERY.

F. FORMING, PLACING AND POURING CONCRETE CAN BE A SOURCE OF POLLUTION TO THE STORM DRAIN SYSTEM.
F.1. SALE AND RELEASE ADDITIVE FOR CONCRETE FORMS SHOULD ONLY BE USED AS RECOMMENDED BY THE MANUFACTURER. DO NOT PERMIT THESE TO ENTER THE STORM DRAIN SYSTEM, ESPECIALLY STREAMS, LAKES AND RESERVOIRS.
F.2. USE SEALED CONTAINERS FOR CONCRETE WASHOUT WHERE OFFSITE WASHOUT IS NOT POSSIBLE. THIS AREA MUST PROVIDE CONTAINMENT OF WASHOUT MATERIALS AND PREVENT THEM FROM ENTERING INTO THE STORM DRAIN SYSTEM, ESPECIALLY STREAMS, LAKES AND RESERVOIRS.
F.3. TRAIN PERSONNEL ABOUT PROPER CONCRETE WASTE MANAGEMENT PROCEDURES.

G. PAINTS, SOLVENTS AND CLEANERS CAN BE A SOURCE OF POLLUTION.
G.1. TRAIN PERSONNEL ON THE PROPER STORAGE AND DISPOSAL OF TOXIC MATERIALS. EDUCATE THEM ON PREVENTION AND CLEAN-UP TECHNIQUES. KEEP CONTAINERS CLOSED AND OUT OF THE WET WHEN NOT IN USE.
G.2. ALWAYS USE SECONDARY CONTAINMENT SUCH AS A DROP CLOTH TO CATCH SPILLS AND PREVENT SPREADING.
G.3. THE LOCATION FOR CLEANING STATIONS SHALL NOT BE NEAR STREAMS, RIVERS, RESERVOIRS, WELLS, OR ADJACENT TO THE STORM WATER COLLECTION SYSTEM. THIS AREA MUST PROVIDE CONTAINMENT OF WASHOUT MATERIALS AND PREVENT THEM FROM ENTERING INTO THE STORM DRAIN SYSTEM. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND PRESSURE.
G.4. ASSIST CLEANUP MATERIALS ON HAND TO ABSORB SPILLS. CLEAN UP SPILLS IMMEDIATELY AND PROPERLY DISPOSE.
G.5. EXCAVATE AND DISPOSE OF CONTAMINATED SOILS AS HAZARDOUS WASTE. CONTACT STATE AND LOCAL OFFICIALS FOR ANY SPILL OF REPORTABLE QUANTITY.

H. EXCESSIVE USE OF LANDSCAPING FERTILIZERS, NUTRIENTS, CHEMICALS AND PESTICIDES CAN LEAD TO UNNECESSARY POLLUTION.
H.1. ONLY USE THE REQUIRED OR MINIMUM AMOUNTS OF THESE MATERIALS. ALWAYS FOLLOW MANUFACTURER'S RECOMMENDATIONS.
H.2. PROTECT THE STORM DRAIN SYSTEM BY NOT OVER WATERING FERTILIZED OR PESTICIDE LADEN AREAS.

I. CONSTRUCTION SITES AND OTHER WASTE MATERIALS CAN ENTER THE STORM DRAIN SYSTEM WHEN NOT DISPOSED OF PROPERLY.
I.1. PROVIDE ADEQUATE TRASH CONTAINMENT AND CONVENIENT TRASH RECEPTACLES AROUND THE CONSTRUCTION SITE.
I.2. KEEP TRASH CONTAINERS COVERED.
I.3. EMPTY CONTAINERS IN A TIMELY MANNER TO PREVENT SPILLING OVER.

J. ON-SITE STORM DRAIN INLETS CAN PERMIT SEDIMENTS TO ENTER OFFSITE STORM DRAIN FACILITIES.
J.1. INLETS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION TO PREVENT BOGGY MATERIAL FROM ENTERING INTO INLET BOXES.
J.2. WHERE ON-SITE COLLECTION BOXES ARE LIKELY TO COLLECT WATER CONTAINING SEDIMENTS, A FILTERING SYSTEM SHALL BE CONSTRUCTED OVER OR AROUND THE INLET GRATE TO TRAP SEDIMENTS AND ALLOW WATER TO DRIPLE OUT BEFORE THE WATER ENTERS THE STORM DRAIN SYSTEM.

SECTION 4 — MAINTENANCE, INSPECTIONS & REVISIONS: ALL PREVENTIVE MEASURES DESIGNED TO ELIMINATE OR MINIMIZE POLLUTION ENTERING THE OFFSITE STORM DRAIN SYSTEM SHALL BE MAINTAINED AND INSPECTED REGULARLY BY THE CONTRACTOR. INSPECTION SHOULD ALSO BE PLANNED BEFORE AND AFTER STORM EVENTS TO VERIFY THAT THESE MEASURES ARE WORKING PROPERLY.

A. THE CONTRACTOR SHALL KEEP A RECORD OF ALL INSPECTIONS WITH DOCUMENTATION INCLUDING THE DATE, WHICH BEST MANAGEMENT PRACTICES (BMPS) ARE BEING IMPLEMENTED, HOW ONE BMP IS PERFORMING AND ANY DEFICIENCIES OBSERVED IN THE FIELD OR MAINTENANCE OF THE BMP. INSPECTION BY THE CONTRACTOR SHALL ALSO INCLUDE LABORATORY ANALYSIS RESULTS AS DEEMED NECESSARY BY THE CONTRACTOR OR AS REQUESTED BY THE CITY.

B. WHEN PREVENTIVE MEASURES ARE FOUND TO BE INADEQUATE, THEY ARE TO BE BROUGHT TO THE ATTENTION OF THE CITY. ALTERNATIVES TO THE STORM WATER POLLUTION PREVENTION PLAN MAY BE REQUIRED.

C. IF IS THE GENERAL CONTRACTORS RESPONSIBILITY TO INSPECT THE ENTIRE SITE AND IDENTIFY ADDITIONAL SOURCES THAT MAY LEAD TO OFFSITE STORM WATER POLLUTION. WHEN A POSSIBLE POLLUTION SOURCE HAS BEEN OVERLOOKED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE CITY. ADDITIONAL PREVENTIVE MEASURES MAY BE INCORPORATED INTO THE STORM WATER POLLUTION PREVENTION PLAN.

D. PROVIDE COPIES OF ALL INSPECTION REPORTS AND LABORATORY RESULTS TO THE CITY OR OTHER GOVERNING AGENCIES IMMEDIATELY UPON REQUEST.

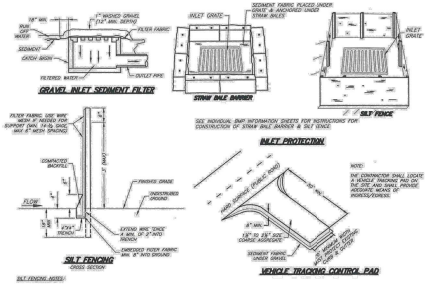
SECTION 5 — POLLUTION INCIDENT REPORTS: ALL REPORTABLE RELEASES OF ANY POLLUTANT MAY BE DOCUMENTED BY THE CONTRACTOR AND PROMPTLY BROUGHT TO THE ATTENTION OF THE CITY INSPECTOR. REPORTABLE RELEASES ARE DEFINED BY 40 OF THE CODE OF FEDERAL REGULATIONS (CFR), PART 117; SECTION 3 OR TITLE 40, PART 302, SECTION 4.

SECTION 6 — REPORTABLE VIOLATIONS: IF THERE IS A VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN, IT SHALL BE REMEDIED IMMEDIATELY AND BROUGHT TO THE ATTENTION OF THE CITY. ALL VIOLATIONS SHALL BE DOCUMENTED PROPERLY.

SECTION 7 — TRAINING: IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE COMPLIANCE. ALL PERSONNEL ON THE CONSTRUCTION SITE WITH RESPECT TO THE STORM WATER POLLUTION PREVENTION PLAN.

SECTION 8 — COMPLIANCE WITH ALL GOVERNING REGULATIONS: ALL DISCHARGES INTO THE STORM WATER SYSTEM MUST COMPLY WITH THE REGULATIONS ESTABLISHED BY CITY, COUNTY, STATE, FEDERAL, AND OTHER RELATED AGENCIES.

SECTION 9 — HAZARDOUS WASTE: HAZARDOUS OR TOXIC WASTE SHALL BE STORED OF PROPERLY, FOLLOWING STATE LAWS TO THE PROPER HANDLING AND DISPOSAL OF HAZARDOUS OR TOXIC WASTE ARE NOT COVERED IN THIS PLAN.



7 C502 STORMWATER POLLUTION PREVENTION PLAN DETAILS
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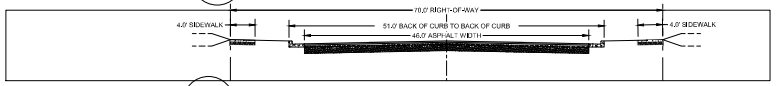

8 C502 70' RIGHT-OF-WAY
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DESIGNING OUR FUTURE

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RULON SMALL FLEX SPACE
2241 NORTH RULON WHITE BLVD
NORTH OGDEN, UT 84414

MARK	DATE	DESCRIPTION

PROJECT #: 23-069
DRAWN BY: D FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 4/30/2024

DETAILS

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