

SOUTH RIDGE FARMS ROAD
SANTAQUIN CITY, UTAH 84655

JUNE 4, 2025
REVISED JUNE 23, 2025

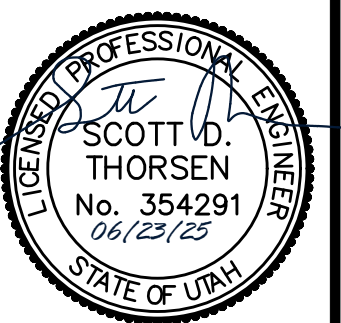
	NQ	REVISIONS	BY	DATE
DESIGNER: SDT				
PROJECT ENGINEER: SDT				

**CIVIL ENGINEERING
+ SURVEYING**

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 801-949-6296

COVER SHEET

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

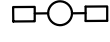
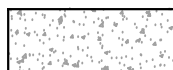
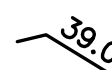


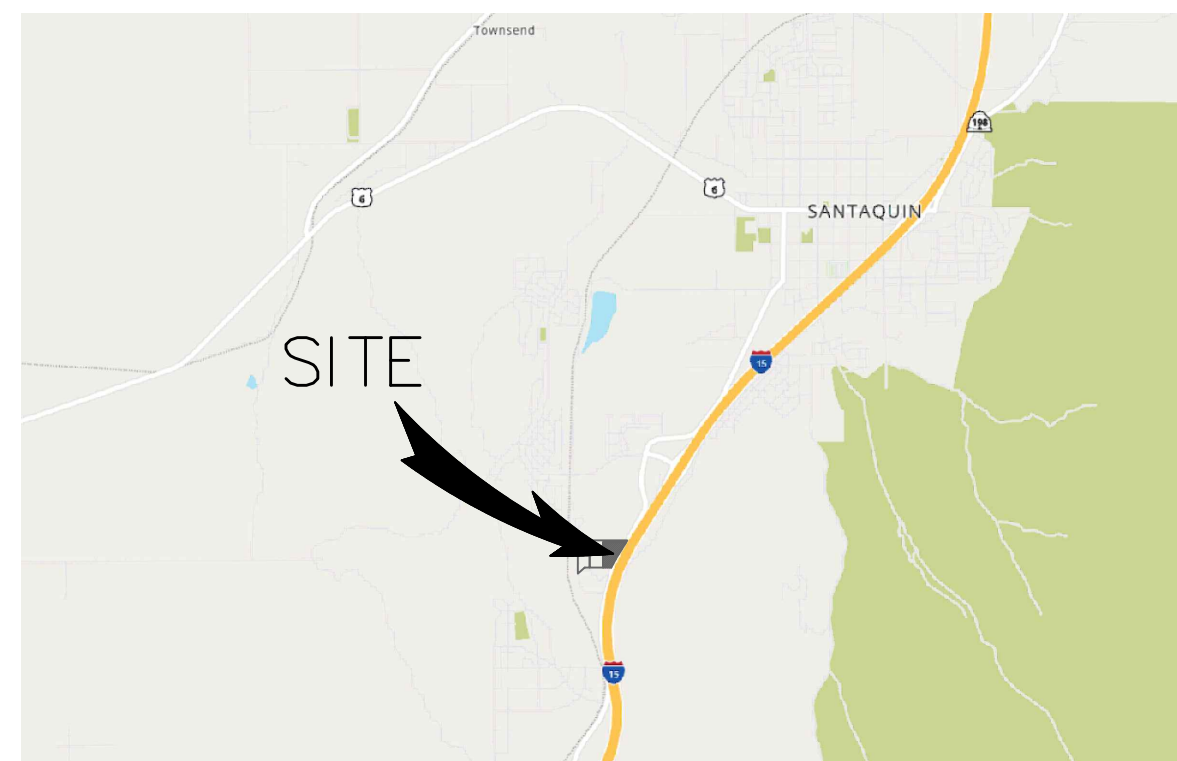
SHEET NO.

CV

PROJECT ID	DATE:
E23-143	06/23/25
FILE NAME:	SCALE:
BB1-61	

LEGEND

- | | | | |
|---|----------------------------|---|---|
| ---- | PROPERTY LINE |  | EXISTING FIRE HYDRANT |
| ---- | EASEMENT LINE |  | PROPOSED FIRE HYDRANT |
| -4240.0---- | PROPOSED GRADE CONTOURS |  | EXISTING STREET LIGHT |
| -4240.0---- | EXISTING GRADE CONTOURS |  | PROPOSED STREET LIGHT |
| ===== | EXISTING CURB |  | PROPOSED PARKING LOT LIGHT |
| ===== | PROPOSED CURB AND GUTTER |  | EXISTING WATER METER |
| ===== | PROPOSED CURB WALL |  | EXISTING WATER VALVE |
| ===== | REVERSE PAN CURB & GUTTER |  | EXISTING GATE VALVE |
| ---SS--- | EXISTING SEWER |  | EXISTING OVERHEAD POWER POLE |
| ---SS--- | PROPOSED SEWER | TBC | TOP BACK CONCRETE |
| ---W--- | EXISTING WATER | FF | FINISHED FLOOR |
| ---W--- | PROPOSED WATER | HW | HIGH WATER |
| ---F--- | EXISTING FIRE LINE | TOL | TOP OF GRADE |
| ---F--- | PROPOSED FIRE LINE | TG | TOP OF GRATE |
| ---SD--- | EXISTING STORM DRAIN | TOL | TOP OF LID |
| ---SD--- | PROPOSED STORM DRAIN | IE | INVERT ELEVATION |
| ---RD--- | PROPOSED ROOF DRAIN | EX | EXISTING |
| ---G--- | EXISTING GAS | NG | NATURAL GROUND |
| ---G--- | PROPOSED GAS | TA | TOP OF ASPHALT |
| ---OHP--- | EXISTING OVERHEAD POWER | TC | TOP OF CONCRETE |
| ---UGP--- | EXISTING UNDERGROUND POWER | EC | EDGE OF CONCRETE |
| ---UGP--- | PROPOSED UNDERGROUND POWER | EA | EDGE OF ASPHALT |
| ---T--- | EXISTING TELEPHONE LINE | TOW | TOP OF WALL |
| ---T--- | PROPOSED TELEPHONE LINE | TG | TOP OF GRAVEL |
| ---FO--- | EXISTING FIBER OPTIC LINE | TL | TOP OF LANDSCAPING |
| ---FO--- | PROPOSED FIBER OPTIC LINE | TS | TOP OF SIDEWALK |
| | | PROP | PROPOSED |
|  | PROPOSED CONCRETE |  | TBC CALLOUT UNLESS OTHERWISE DESIGNATED |
|  | PROPOSED ASPHALT | | |
|  | PROPOSED LANDSCAPING | | |



VICINITY MAP
NOT TO SCALE

PROJECT CONSTRUCTION NOTES:

1. CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION, 1-800-662-4111.
2. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. SEE SOILS REPORT FOR PAVEMENT SECTION DETAILS, INSTALLATION SPECIFICATIONS AND ALL SITE EARTHWORK REQUIREMENTS.
4. ALL CONSTRUCTION SHALL CONFORM TO CITY STANDARDS AND SPECIFICATIONS. IF A CONFLICT BETWEEN THESE PLANS AND THE CITY STANDARDS AND SPECIFICATIONS OCCURS, THE CITY STANDARDS AND SPECIFICATIONS SHALL GOVERN.
5. ALL HANDICAP PARKING STALLS TO BE INSTALLED PER ADA STANDARDS. SLOPE ON ANY ADA STALL IS TO BE LESS THAN 2% IN ALL DIRECTIONS.
6. CONTRACTOR TO VERIFY PRIOR TO ANY CONSTRUCTION THAT THE BUILDING AND BUILDING LOCATION SHOWN ON CIVIL DRAWINGS MATCHES THE ARCHITECTURAL PLANS.
7. CONTRACTOR TO VERIFY, WITH ARCHITECT, THAT F.F. ELEVATION SHOWN ON CIVIL PLANS EQUALS THE ARCHITECTS 100.0' ELEVATION.
8. CONTRACTOR TO REPLACE IN KIND ANY AREAS THAT ARE DAMAGED DURING CONSTRUCTION.
9. INSTALL ALL SIDEWALKS PER CITY STANDARDS.
10. INSTALL ALL CONCRETE PAVEMENT JOINTS PER CITY STANDARDS.
11. ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL PER CITY STANDARDS AND SPECIFICATIONS.
12. ALL CATCH BASINS AND MANHOLES TO BE INSTALLED PER CITY STANDARDS.
13. ALL STORM DRAIN PIPING TO BE CUT OFF FLUSH WITH INSIDE WALL OF DRAINAGE BOX. INSIDE WALL TO BE GROUTED SMOOTH WITH A NON-SHRINK GROUT.
14. FOR STORM DRAIN INLET BOXES AND MANHOLES THE I.E. IN AND I.E. OUT ELEVATIONS ARE THE SAME UNLESS OTHERWISE CALLED OUT ON THE PLANS
15. ALL WATER LINES TO HAVE A MINIMUM 5' OF COVER WITH A MINIMUM VERTICAL CLEARANCE OF 1' OF COVER BETWEEN OTHER UTILITY LINES (1.5' VERTICAL SEPARATION WITH SEWER).
16. CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS AND CABLE TV SERVICES WITH THE RESPECTIVE UTILITY COMPANY.
17. THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITY PIPES, LINES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED AND SHOWN FROM SURVEYED INFORMATION AND EXISTING UTILITY LOCATIONS PROVIDED BY OTHERS. THERE IS NO WARRANTY THAT ALL EXISTING UTILITY INFORMATION IS SHOWN ON THESE PLANS; CONTRACTOR IS RESPONSIBLE FOR CONTACTING BLUE STAKES AND FIELD VERIFYING THE LOCATION AND ELEVATION OF ALL EXISTING UTILITY PIPES, LINES AND STRUCTURES, PRIOR TO CONSTRUCTION.
18. ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
19. ALL ACCESSIBLE ROUTES AND ACCESSIBLE MEANS OF EGRESS ROUTES, THE MAXIMUM SLOPE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. ALL EXTERIOR LANDINGS AT DOORS SHALL NOT EXCEED 2% SLOPE.

SHEET INDEX

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(STA: 26+50 TO 33+00) |
| C1.1 | SITE PLAN | C5.1 | UTILITY PLAN & PROFILE
(STA: 20+00 TO 26+00) |
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(STA: 26+00 TO 32+00) |
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CIVIL ENGINEER:

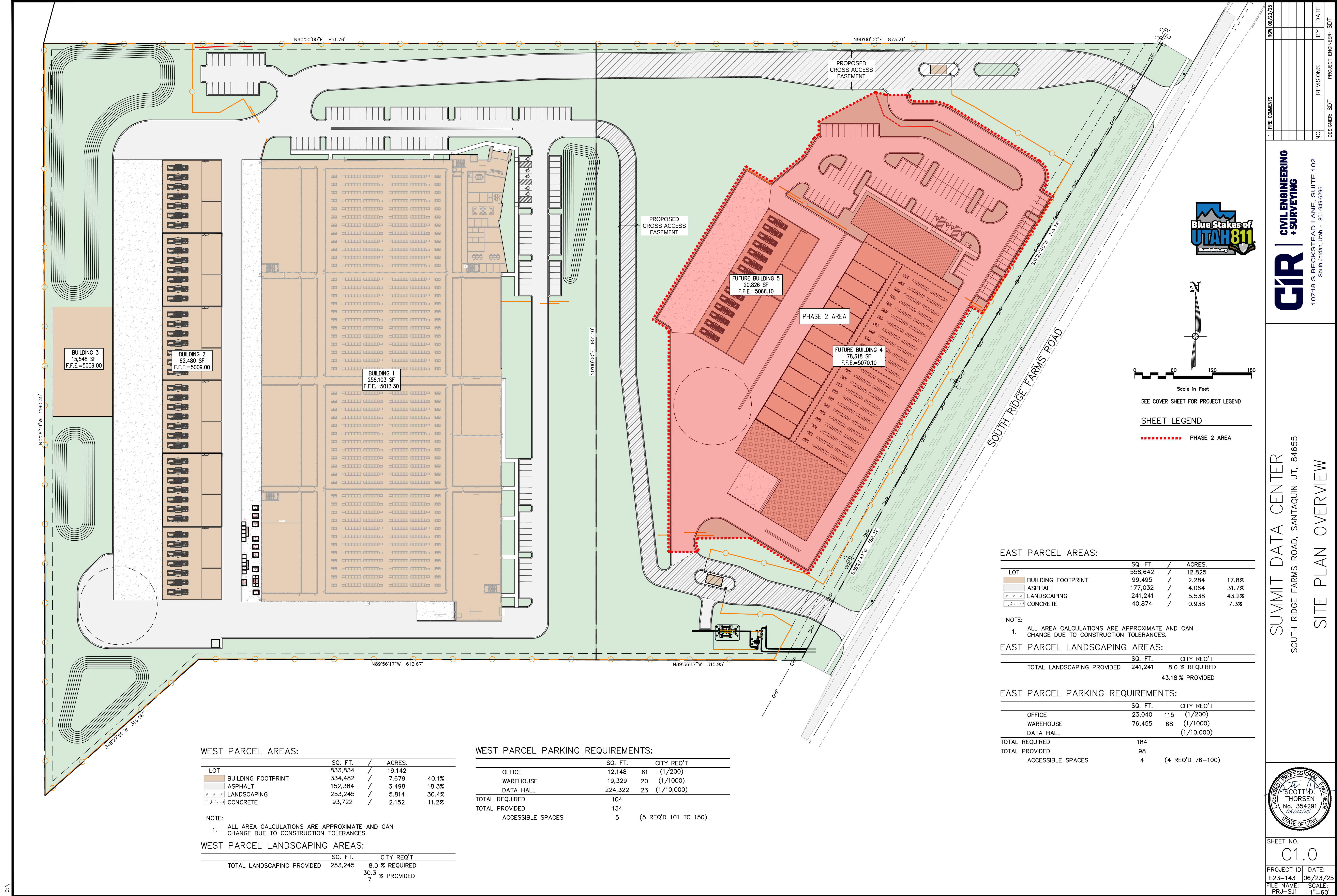


ARCHITECT:

AE URBIA

909 W SOUTH JORDAN PARKWAY
SOUTH JORDAN, UTAH 84095
CONTACT PERSON: ANDREW BOLLSCHWEILER
PH: (801) 746-0456





WEST PARCEL AREAS:

LOT	SQ. FT.	/	ACRES.	
BUILDING FOOTPRINT	833,834	/	19.142	40.1%
ASPHALT	334,482	/	7.679	18.3%
LANDSCAPING	152,384	/	3.498	30.4%
CONCRETE	253,245	/	5.814	11.2%

NOTE:
1. ALL AREA CALCULATIONS ARE APPROXIMATE AND CAN CHANGE DUE TO CONSTRUCTION TOLERANCES.

WEST PARCEL LANDSCAPING AREAS:

	SQ. FT.	CITY REQ'T
TOTAL LANDSCAPING PROVIDED	253,245	8.0 % REQUIRED 30.3 % PROVIDED

WEST PARCEL PARKING REQUIREMENTS:

	SQ. FT.	CITY REQ'T
OFFICE	12,148	61 (1/200)
WAREHOUSE	19,329	20 (1/1000)
DATA HALL	224,322	23 (1/10,000)
TOTAL REQUIRED	104	
TOTAL PROVIDED	134	
ACCESSIBLE SPACES	5	(5 REQ'D 101 TO 150)

EAST PARCEL AREAS:

LOT	SQ. FT.	/	ACRES.	
BUILDING FOOTPRINT	558,642	/	12.825	17.8%
ASPHALT	99,495	/	2.284	31.7%
LANDSCAPING	177,032	/	4.064	43.2%
CONCRETE	241,241	/	5.538	7.3%

NOTE:
1. ALL AREA CALCULATIONS ARE APPROXIMATE AND CAN CHANGE DUE TO CONSTRUCTION TOLERANCES.

EAST PARCEL LANDSCAPING AREAS:

	SQ. FT.	CITY REQ'T
TOTAL LANDSCAPING PROVIDED	241,241	8.0 % REQUIRED 43.18 % PROVIDED

EAST PARCEL PARKING REQUIREMENTS:

	SQ. FT.	CITY REQ'T
OFFICE	23,040	115 (1/200)
WAREHOUSE	76,455	68 (1/1000)
DATA HALL		(1/10,000)
TOTAL REQUIRED	184	
TOTAL PROVIDED	98	
ACCESSIBLE SPACES	4	(4 REQ'D 76-100)

1

PRE COMMENTS

ROW

06/23/25

NO

REVISIONS

BY

DATE

DESIGNER: SDT

PROJECT ENGINEER: SDT

CIVIL ENGINEERING

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10718 S BECKSTEAD LANE, SUITE 102

South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER

SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

SITE PLAN OVERVIEW

SCOTT B. THORSEN

No. 354291

06/23/25

STATE OF UTAH

SHEET NO.

C1.0

PROJECT ID: E23-143

DATE: 06/23/25

FILE NAME: PRJ-SJ

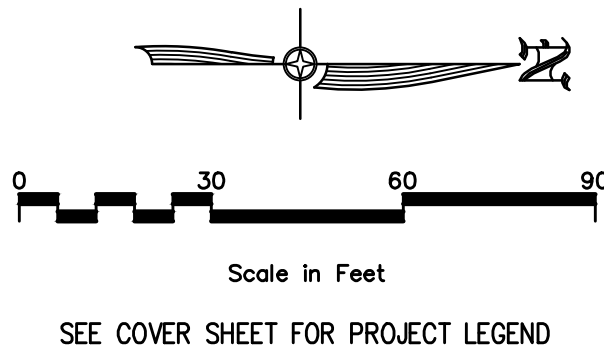
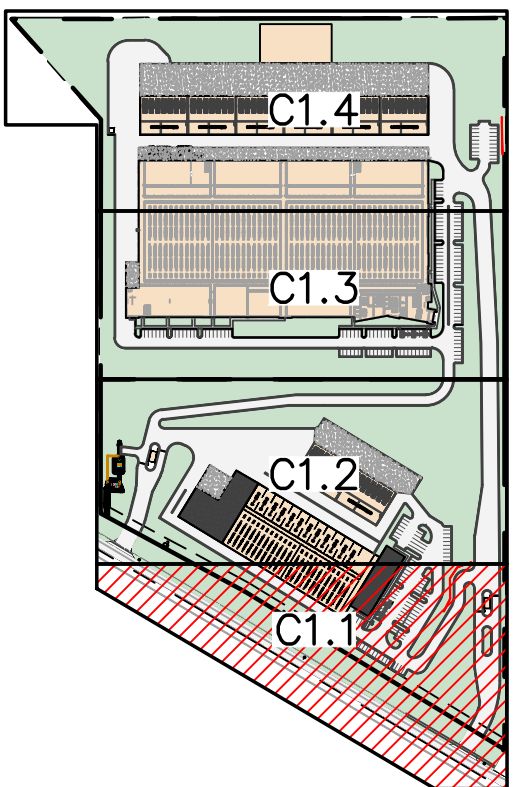
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SITE PLAN KEYNOTES:

- ① INSTALL 24" CATCH CURB & GUTTER PER APWA STD. PLAN NO. 205.1 TYPE E. SEE DETAIL 1/C5.0.
- ② INSTALL 24" REVERSE PAN CURB & GUTTER PER APWA STD. PLAN NO. 205. SEE DETAIL 2/C5.0.
- ③ PROVIDE SMOOTH TRANSITION FROM CATCH TO REVERSE PAN CURB & GUTTER.
- ④ INSTALL DRIVE APPROACH PER SANTAQUIN CITY STANDARDS. SEE DETAIL CG3/CG6.1.
- ⑤ PROPOSED SECURITY FENCE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- ⑥ INSTALL RETAINING WALL, TO BE DESIGNED BY OTHERS.

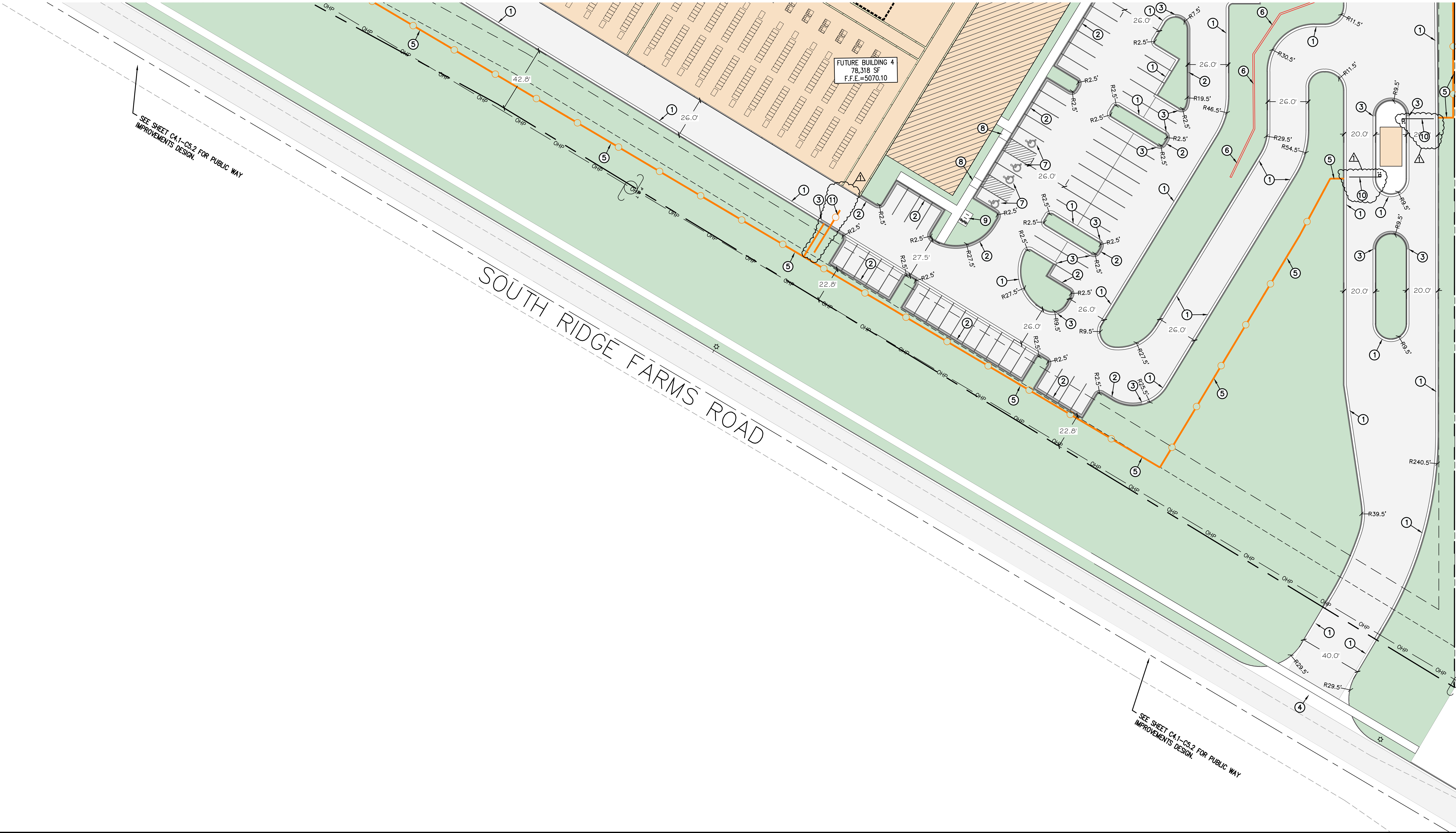
- ⑦ INSTALL ADA PARKING STALLS PER ADA STANDARDS. SLOPES TO BE LESS THAN 2% IN ALL DIRECTIONS. SEE DETAIL 9/C5.0.
- ⑧ INSTALL PEDESTRIAN ACCESS RAMP. RAMP TO MEET ADA STANDARDS. RAMP SLOPE TO BE LESS THAN 8.33%. SEE DETAIL 5/C5.0 & 6/5.0.

- ⑨ INSTALL "U" STYLE BIKE RACKS PER SLC STANDARDS. SEE DETAILS ON SHEET C5.1.
- ⑩ INSTALL BARRIER ARM W/ SIREN CONTROLLED ACCESS SENSOR.
- ⑪ INSTALL 26' WIDE SLIDE GATE W/ SIREN CONTROLLED ACCESS SENSOR.



KEYMAP

MATCHLINE -SEE SHEET C1.2



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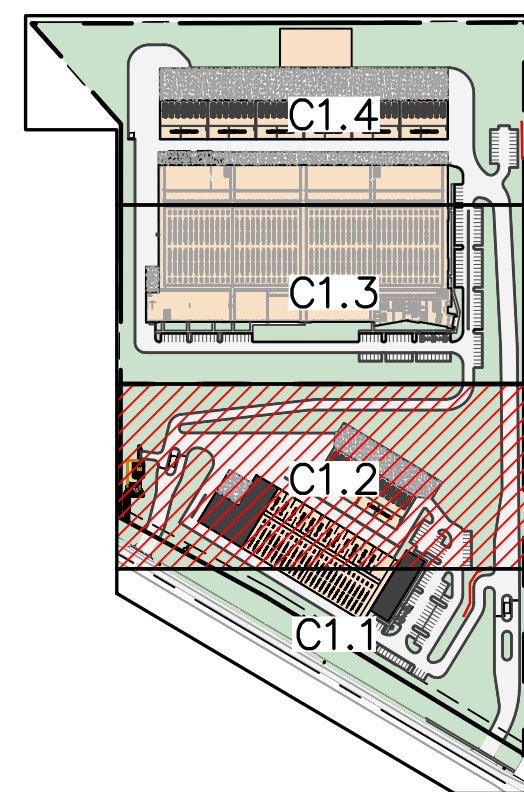
SITE PLAN



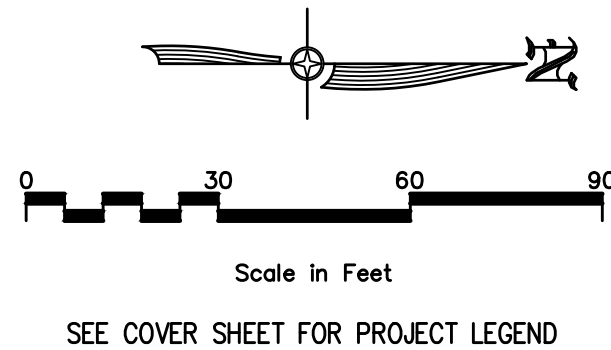
SHEET NO.	C1.1
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJI
SCALE	1"=30'

SITE PLAN KEYNOTES:

1. INSTALL 24" CATCH CURB & GUTTER PER APWA STD. PLAN NO. 205.1 TYPE E. SEE DETAIL 1/C5.0.
2. INSTALL 24" REVERSE PAN CURB & GUTTER PER APWA STD. PLAN NO. 205. SEE DETAIL 2/C5.0.
3. PROVIDE SMOOTH TRANSITION FROM CATCH TO REVERSE PAN CURB & GUTTER.
4. INSTALL DRIVE APPROACH PER SANTAQUIN CITY STANDARDS. SEE DETAIL CG3/C6.1.
5. PROPOSED SECURITY FENCE. SEE ARCHITECTURAL PLANS FOR DETAILS.
6. INSTALL 3' WIDE CONCRETE WATERWAY PER APWA STD. PLAN NO. 211. SEE DETAIL 4/C5.0
7. INSTALL BARRIER ARM W/ SIREN CONTROLLED ACCESS SENSOR.

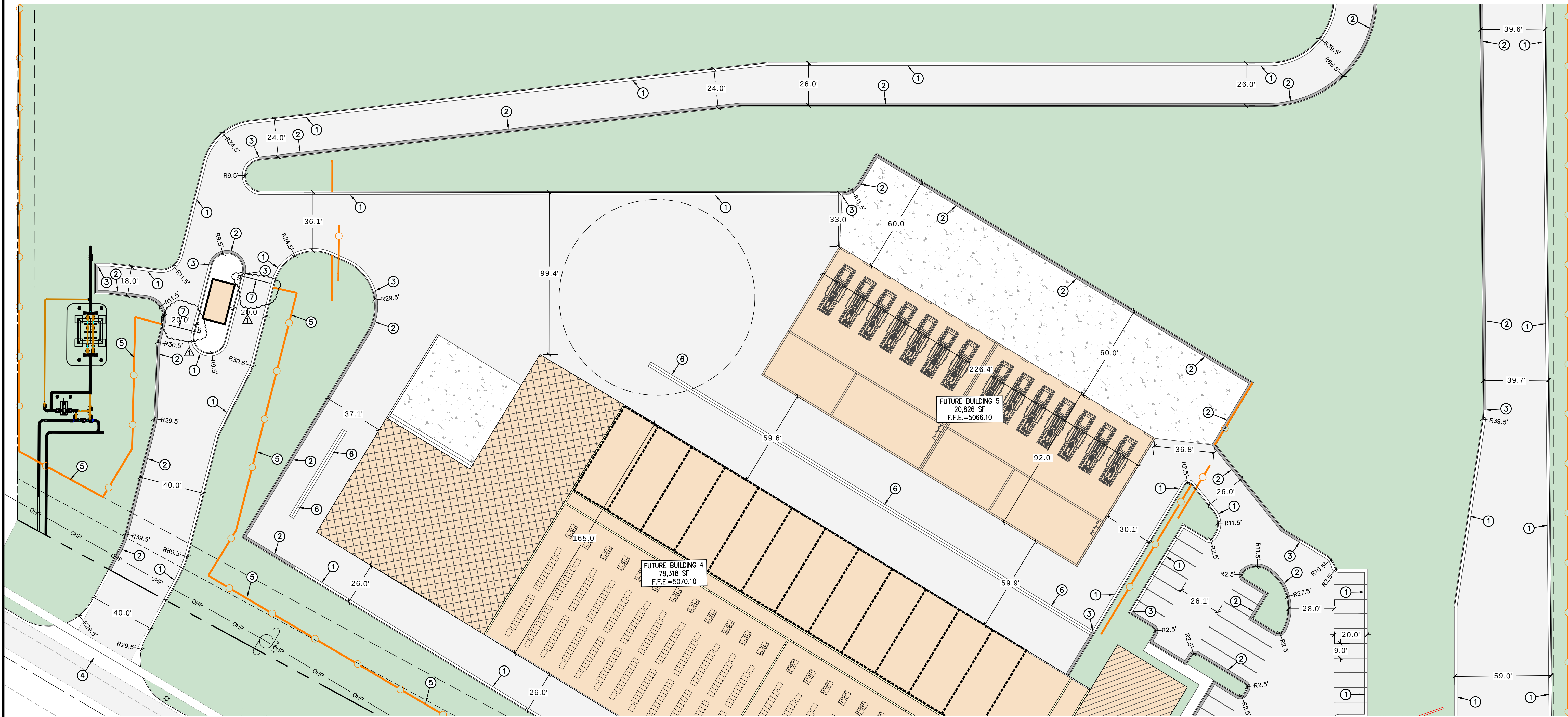


KEYMAP



MATCHLINE -SEE SHEET C1.3

MATCHLINE -SEE SHEET C1.1



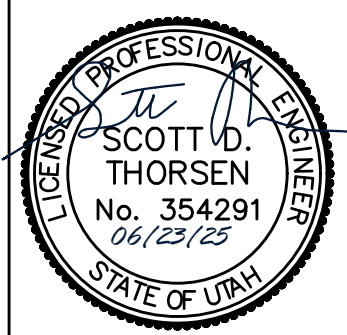
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CIVIL ENGINEERING
+ SURVEYING

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South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

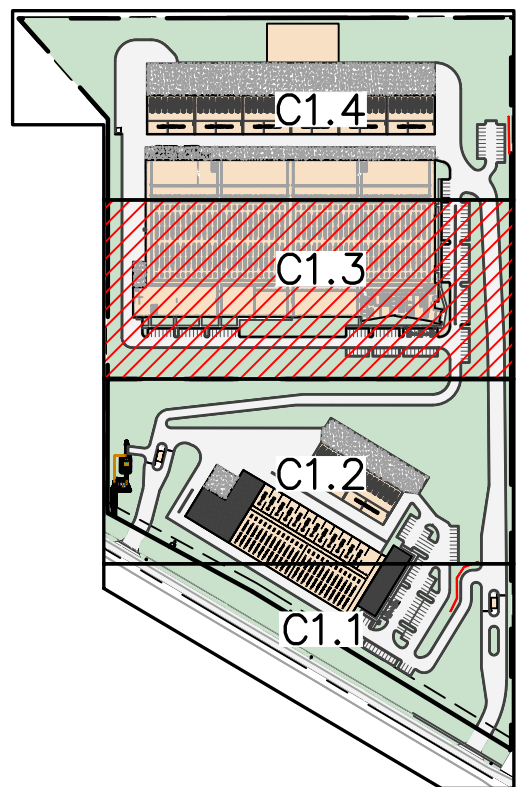
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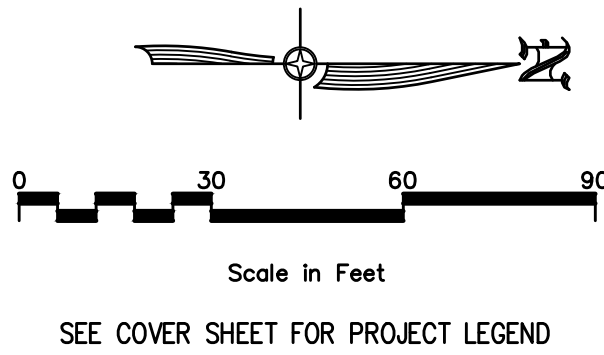
SHEET NO.	C1.2
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJ1
SCALE	1"=30'

SITE PLAN KEYNOTES:

1. INSTALL 24" CATCH CURB & GUTTER PER APWA STD. PLAN NO. 205.1 TYPE E. SEE DETAIL 1/C5.0.
2. INSTALL 24" REVERSE PAN CURB & GUTTER PER APWA STD. PLAN NO. 205. SEE DETAIL 2/C5.0.
3. PROVIDE SMOOTH TRANSITION FROM CATCH TO REVERSE PAN CURB & GUTTER.
4. PROPOSED SECURITY FENCE. SEE ARCHITECTURAL PLANS FOR DETAILS.
5. INSTALL ADA PARKING STALLS PER ADA STANDARDS. SLOPES TO BE LESS THAN 2% IN ALL DIRECTIONS. SEE DETAIL 9/C5.0.
6. INSTALL PEDESTRIAN ACCESS RAMP. RAMP TO MEET ADA STANDARDS. RAMP SLOPE TO BE LESS THAN 8.33%. SEE DETAIL 5/C5.0 & 6/5.0.
7. INSTALL 3' WIDE CONCRETE WATERWAY PER APWA STD. PLAN NO. 211. SEE DETAIL 4/C5.0.
8. INSTALL 4' WIDE WARPED ROLL GUTTER. SEE DETAIL ON SHEET C5.0.
9. INSTALL 26' WIDE SLIDE GATE W/ SIREN CONTROLLED ACCESS SENSOR.



KEYMAP



MATCHLINE -SEE SHEET C1.4

BUILDING 1
256,103 SF
F.F.E.=5013.30

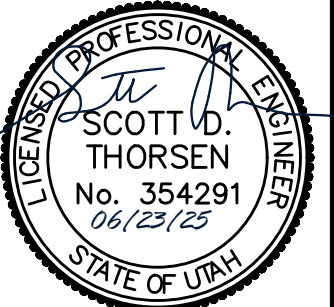
MATCHLINE -SEE SHEET C1.2

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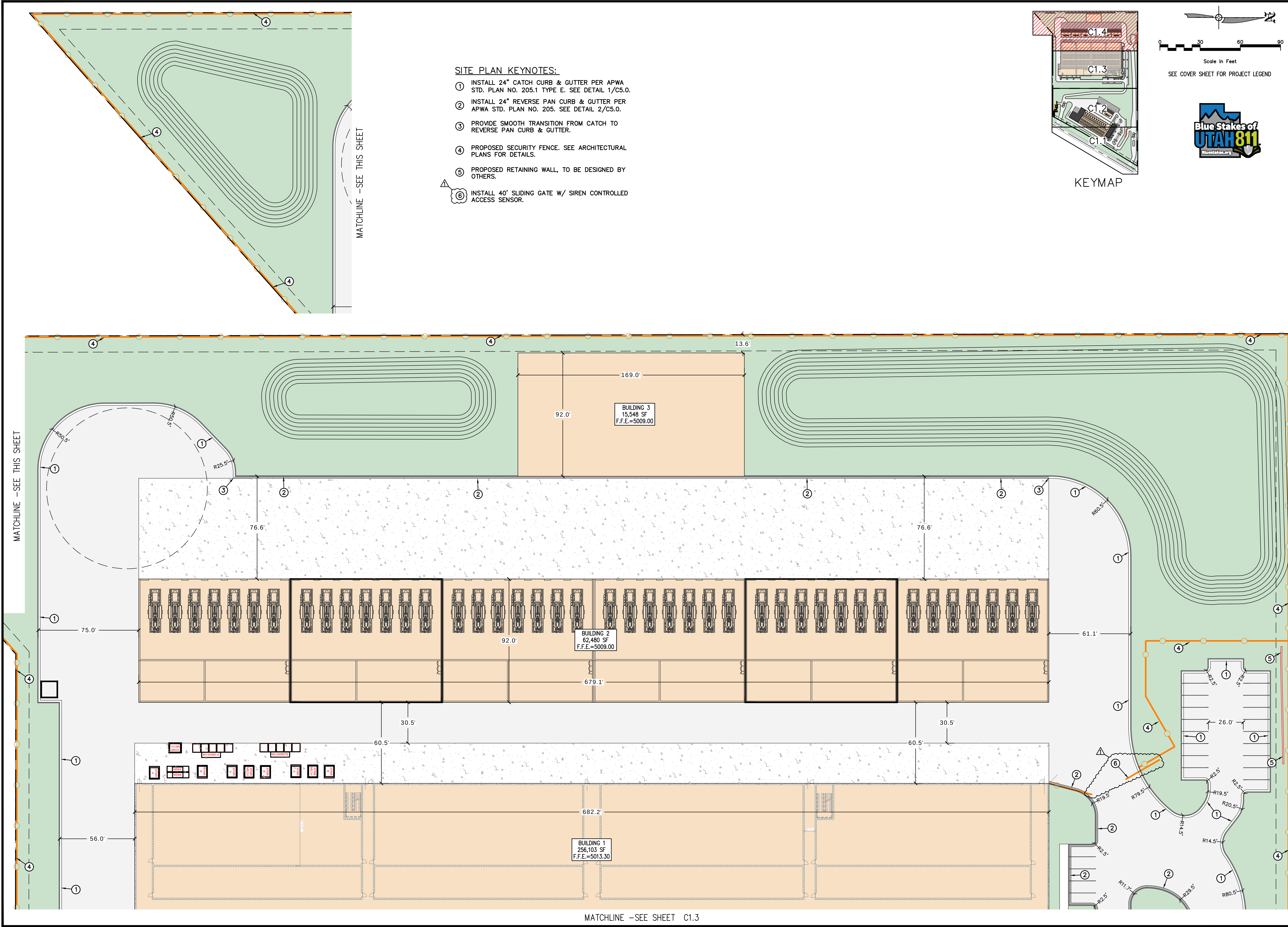
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+ SURVEYING**

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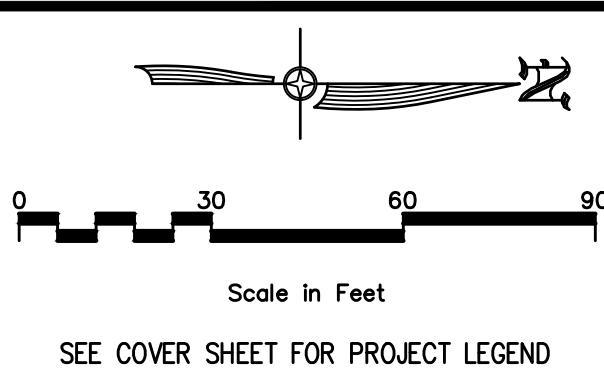
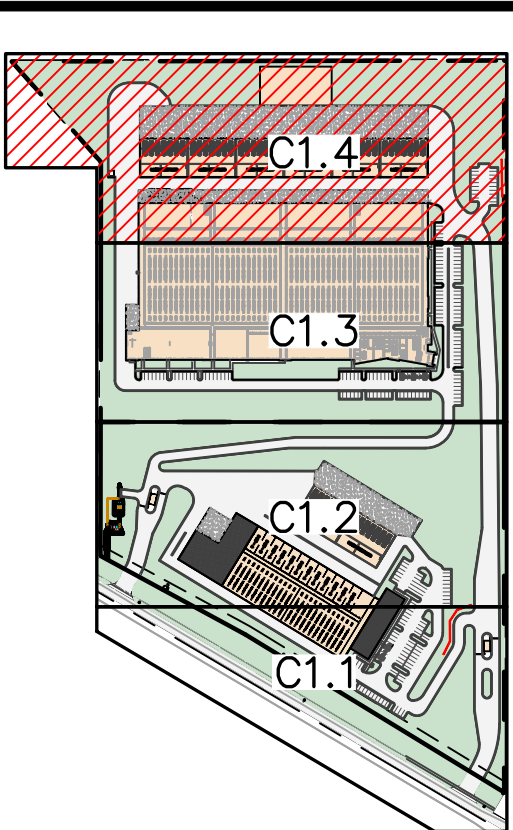
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SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655



SHEET NO.	C1.3
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJI
SCALE	1"=30'



- SITE PLAN KEYNOTES:**
- ① INSTALL 24" CATCH CURB & GUTTER PER APWA STD. PLAN NO. 205.1 TYPE E. SEE DETAIL 1/C5.0.
 - ② INSTALL 24" REVERSE PAN CURB & GUTTER PER APWA STD. PLAN NO. 205. SEE DETAIL 2/C5.0.
 - ③ PROVIDE SMOOTH TRANSITION FROM CATCH TO REVERSE PAN CURB & GUTTER.
 - ④ PROPOSED SECURITY FENCE. SEE ARCHITECTURAL PLANS FOR DETAILS.
 - ⑤ PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS.
 - ⑥ INSTALL 40' SLIDING GATE W/ SIREN CONTROLLED ACCESS SENSOR.



NO.	REVISIONS	BY	DATE
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2			
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1	PRE COMMENTS	ROW	06/23/25
2			
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4			
5			
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DESIGNER: SDT
PROJECT ENGINEER: SDT

CIR | **CIVIL ENGINEERING**
+ SURVEYING

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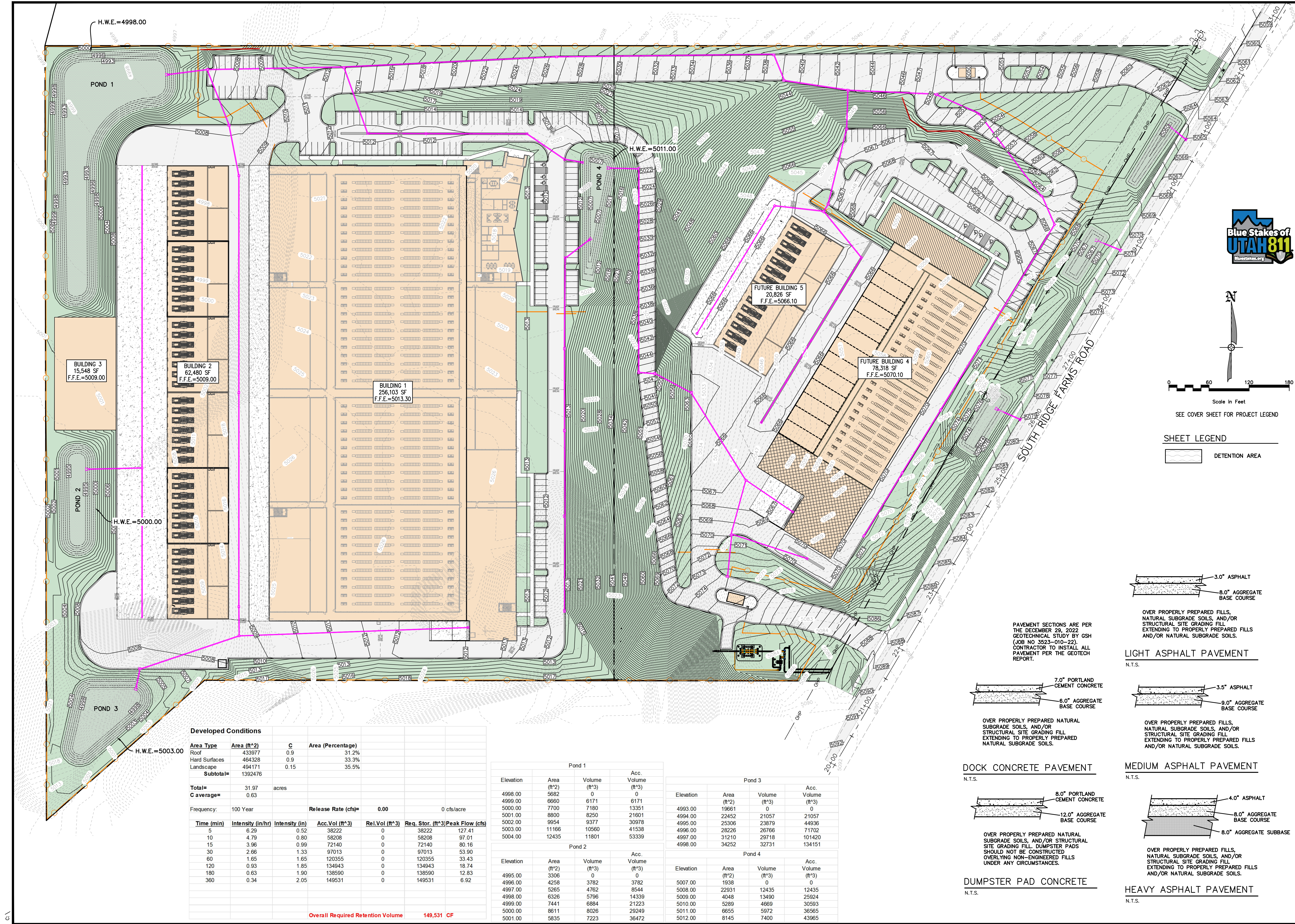
SITE PLAN

SCOTT D. THORSEN
No. 354291
06/23/25
STATE OF UTAH

SHEET NO. C1.4

PROJECT ID: E23-143
FILE NAME: PRJ-SJT

DATE: 06/23/25
SCALE: 1"=30'



Developed Conditions									
Area Type	Area (ft²)	C	Area (Percentage)						
Roof	433977	0.9	31.2%						
Hard Surfaces	464328	0.9	33.3%						
Landscape	494171	0.15	35.5%						
Subtotal=	1392476								
Total=	31.97	acres							
C average=	0.63								
Frequency:	100 Year	Release Rate (cfs)=	0.00	0 cfs/acre					
Time (min)	Intensity (in/hr)	Intensity (in)	Acc.Vol (ft³)	Rel.Vol (ft³)	Reg.Stor. (ft³)	Peak Flow (cfs)			
5	6.29	0.52	38222	0	38222	127.41			
10	4.79	0.80	58208	0	58208	97.01			
15	3.96	0.99	72140	0	72140	80.16			
30	2.66	1.33	97013	0	97013	53.90			
60	1.65	1.65	120355	0	120355	33.43			
120	0.93	1.85	134943	0	134943	18.74			
180	0.63	1.90	138590	0	138590	12.83			
360	0.34	2.05	149531	0	149531	6.92			
Overall Required Retention Volume							149,531 CF		

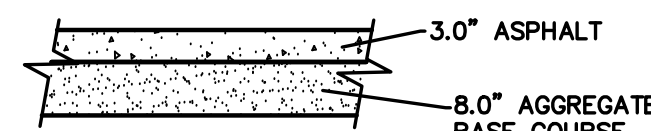
Pond 1				Pond 3			
Elevation	Area (ft²)	Volume (ft³)	Acc. Volume (ft³)	Elevation	Area (ft²)	Volume (ft³)	Acc. Volume (ft³)
4998.00	5682	0	0	4993.00	19661	0	0
4999.00	6660	6171	6171	4994.00	22452	21057	21057
5000.00	7700	7180	13351	4995.00	25306	23879	44936
5001.00	8800	8250	21601	4996.00	28226	26766	71702
5002.00	9954	9377	30978	4997.00	31210	29718	101420
5003.00	11166	10560	41538	4998.00	34252	32731	134151
5004.00	12435	11801	53339				
Pond 2				Pond 4			
Elevation	Area (ft²)	Volume (ft³)	Acc. Volume (ft³)	Elevation	Area (ft²)	Volume (ft³)	Acc. Volume (ft³)
4995.00	3306	0	0	5007.00	1938	0	0
4996.00	4258	3782	3782	5008.00	22931	12435	12435
4997.00	5265	4762	8544	5009.00	4048	13490	25924
4998.00	6326	5796	14339	5010.00	5289	4669	30593
4999.00	7441	6884	21223	5011.00	6655	5972	36565
5000.00	8611	8026	29249	5012.00	8145	7400	43965
5001.00	5835	7223	36472				



SEE COVER SHEET FOR PROJECT LEGEND

SHEET LEGEND

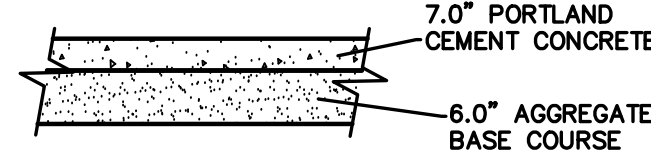
DETENTION AREA



OVER PROPERLY PREPARED FILLS, NATURAL SUBGRADE SOILS, AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO PROPERLY PREPARED FILLS AND/OR NATURAL SUBGRADE SOILS.

LIGHT ASPHALT PAVEMENT

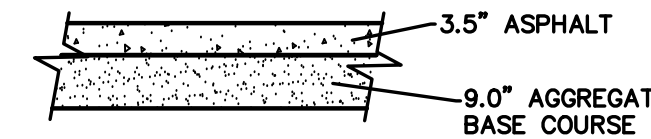
N.T.S.



OVER PROPERLY PREPARED NATURAL SUBGRADE SOILS, AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO PROPERLY PREPARED NATURAL SUBGRADE SOILS.

DOCK CONCRETE PAVEMENT

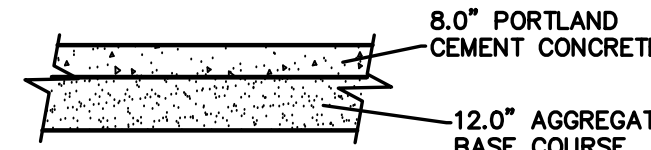
N.T.S.



OVER PROPERLY PREPARED FILLS, NATURAL SUBGRADE SOILS, AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO PROPERLY PREPARED FILLS AND/OR NATURAL SUBGRADE SOILS.

MEDIUM ASPHALT PAVEMENT

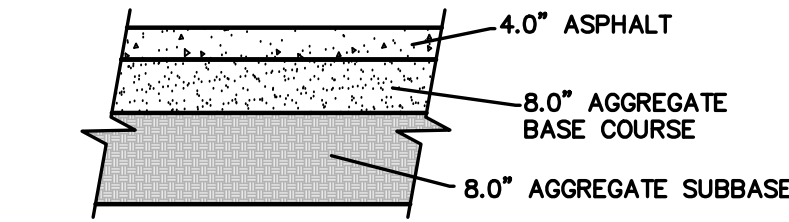
N.T.S.



OVER PROPERLY PREPARED NATURAL SUBGRADE SOILS, AND/OR STRUCTURAL SITE GRADING FILL. DUMPSTER PADS SHOULD NOT BE CONSTRUCTED OVERLAPPING NON-ENGINEERED FILLS UNDER ANY CIRCUMSTANCES.

DUMPSTER PAD CONCRETE

N.T.S.



OVER PROPERLY PREPARED FILLS, NATURAL SUBGRADE SOILS, AND/OR STRUCTURAL SITE GRADING FILL EXTENDING TO PROPERLY PREPARED FILLS AND/OR NATURAL SUBGRADE SOILS.

HEAVY ASPHALT PAVEMENT

N.T.S.

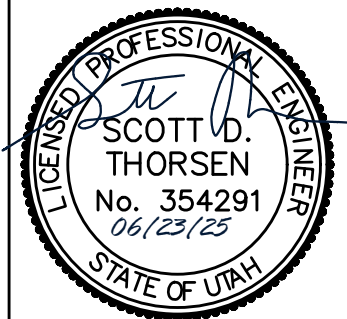


1	REV	COMMENTS	DATE

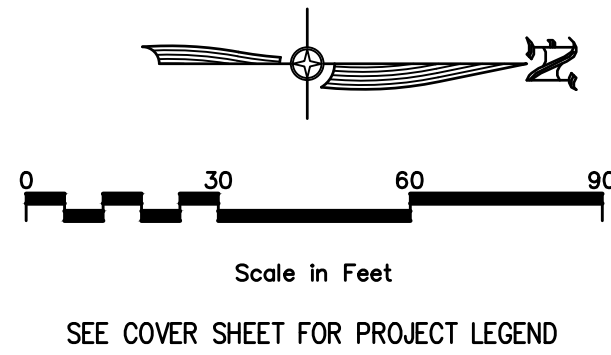
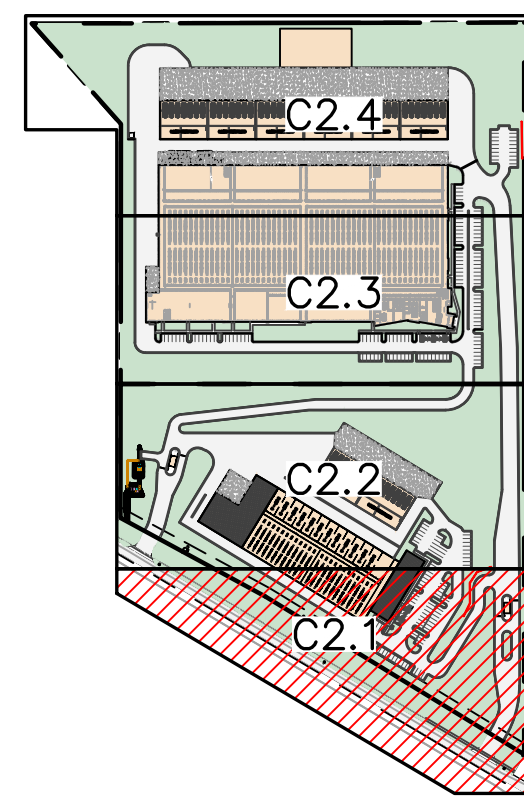
CIVIL ENGINEERING
+ SURVEYING

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
OVERALL GRADING PLAN



SHEET NO.	C2.0
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJ1
SCALE	1"=60'



KEYMAP

MATCHLINE -SEE SHEET C2.2

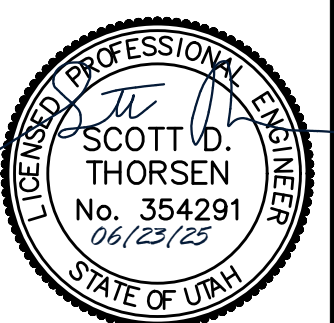


NO.	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

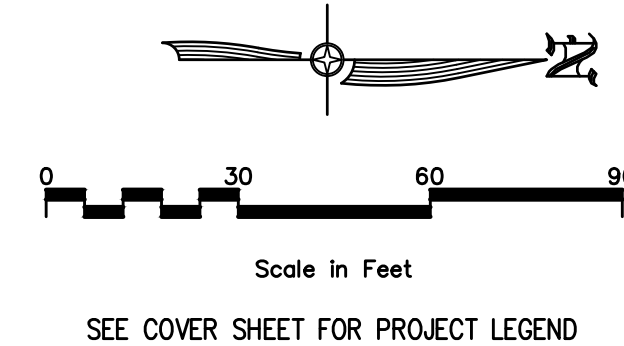
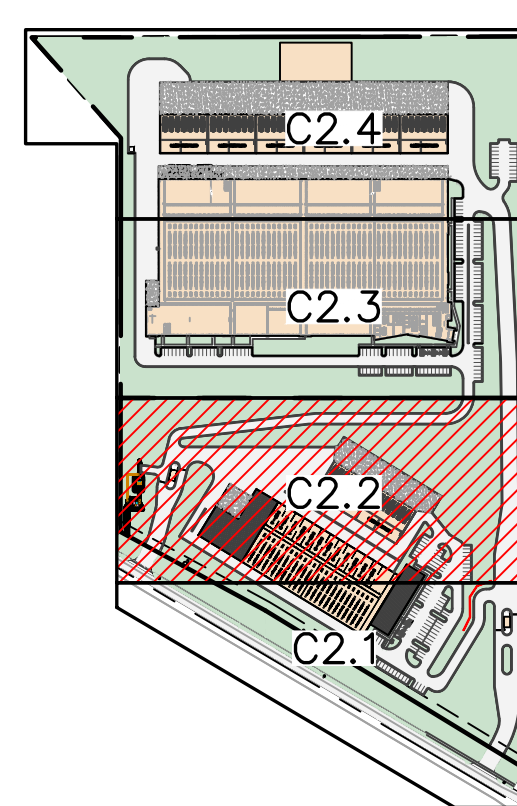
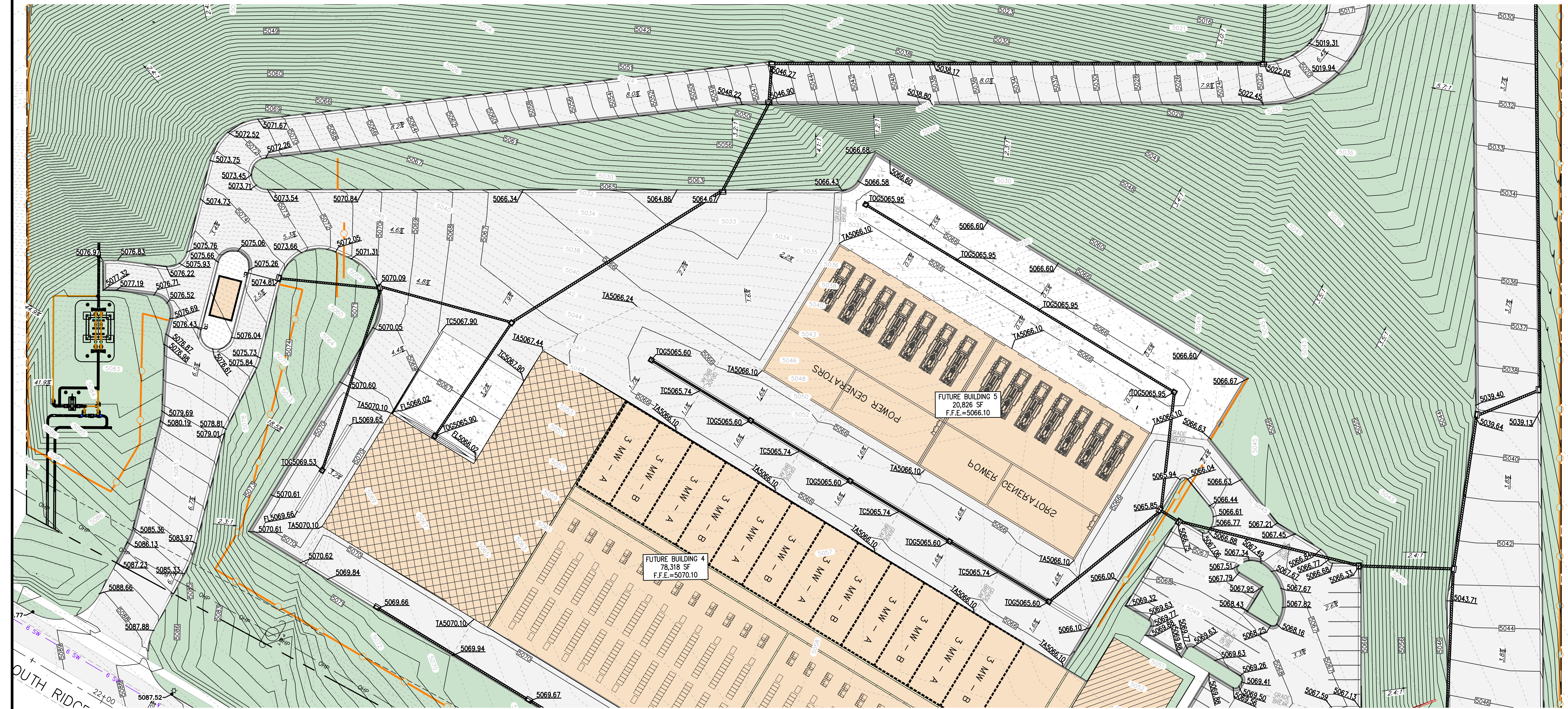
CIVIL ENGINEERING
+ SURVEYING

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
GRADING PLAN



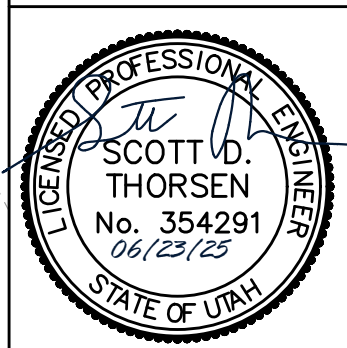
SHEET NO.	C2.1
PROJECT ID	E23-143
DATE:	06/23/25
FILE NAME:	PRJ-SJ1
SCALE:	1"=30'



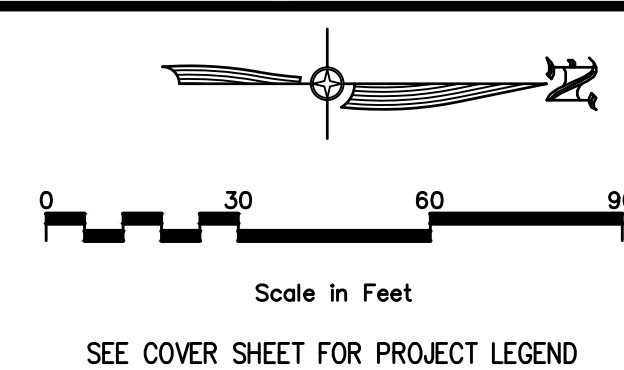
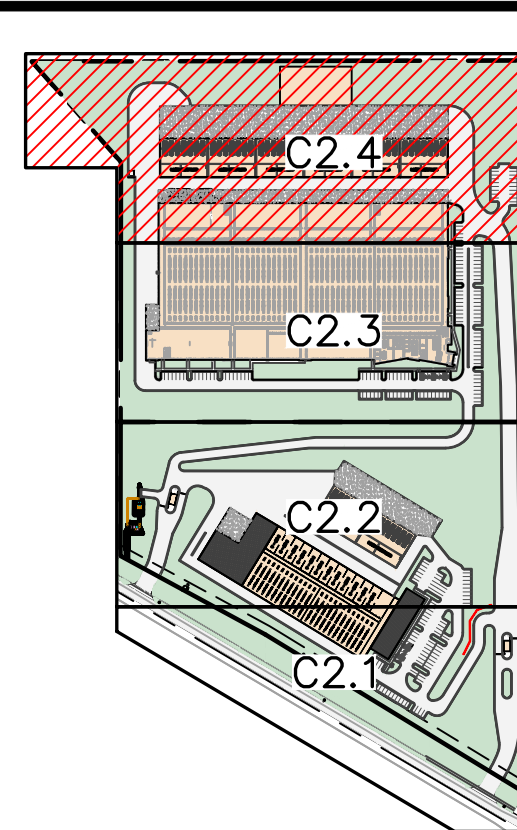
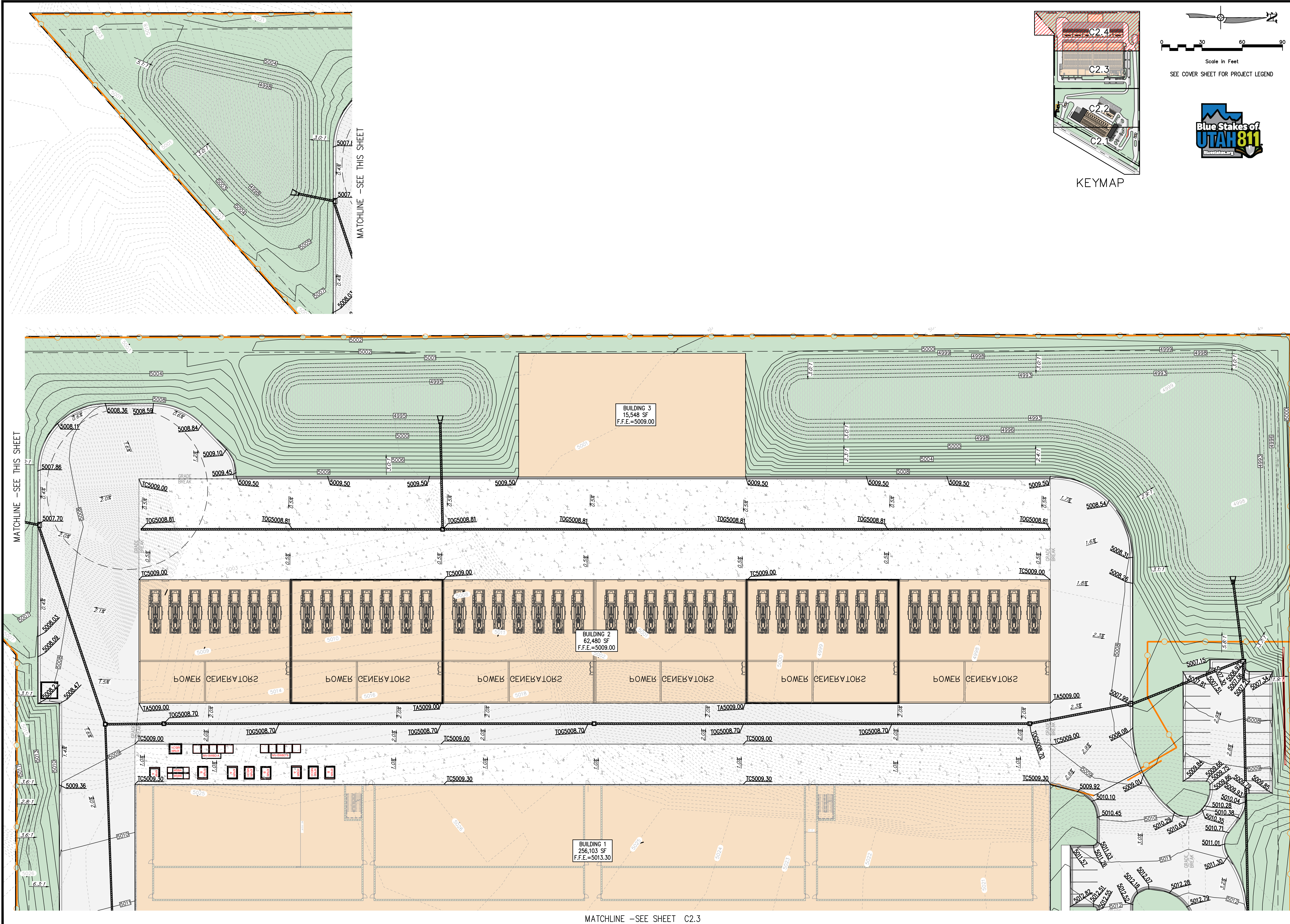
NO.	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

**CIVIL ENGINEERING
+ SURVEYING**
10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296
DESIGNER: SDT PROJECT ENGINEER: SDT

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
GRADING PLAN



SHEET NO. **C2.2**
PROJECT ID: E23-143
DATE: 06/23/25
FILE NAME: PRJ-SJ1
SCALE: 1"=30'



CIVIL ENGINEERING + SURVEYING	
10718 S BECKSTEAD LANE, SUITE 102 South Jordan, Utah - 801-949-6296	
PROJECT NO.	DESIGNER: SDT
NO.	REVISIONS
BY	DATE
PROJECT ENGINEER: SDT	

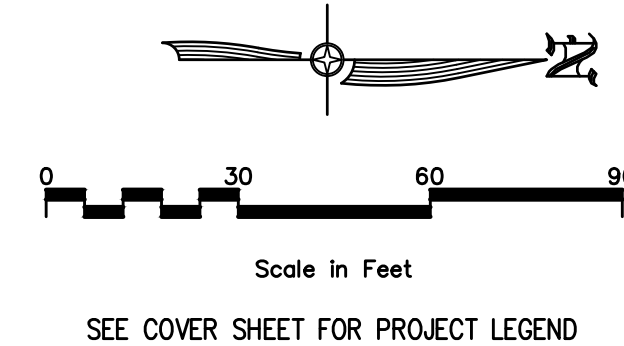
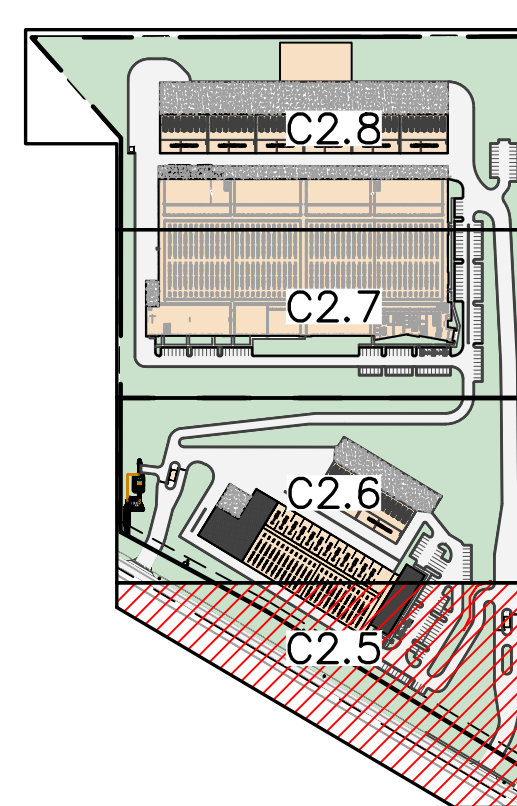
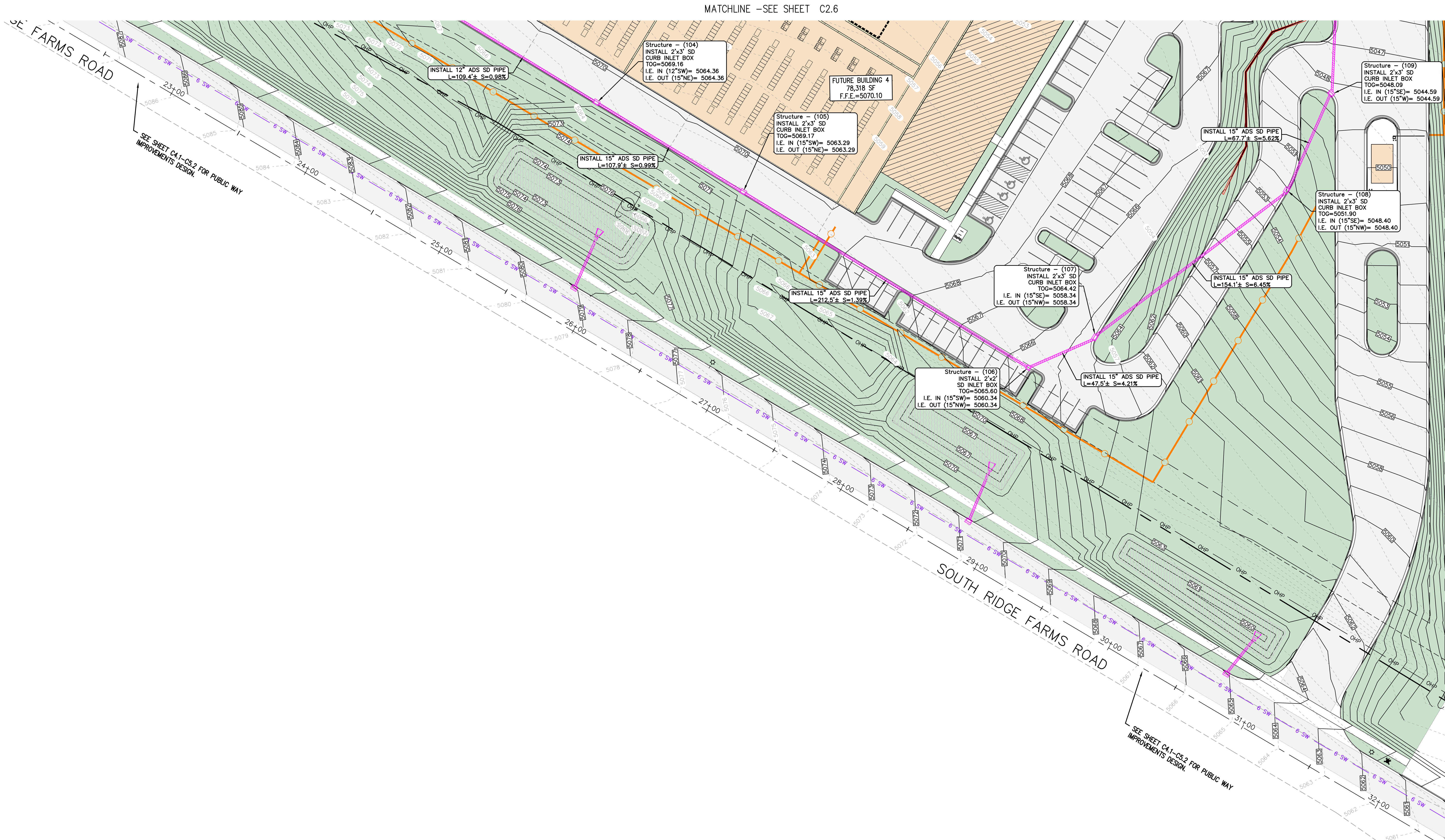
SHEET NO. C2.4

PROJECT ID: E23-143
FILE NAME: PRJ-SJ1

DATE: 06/23/25
SCALE: 1"=30'

SCOTT D. THORSEN
No. 354291
06/23/25
STATE OF UTAH

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
GRADING PLAN



MATCHLINE -SEE SHEET C2.6

SEE SHEET C4.1-C5.2 FOR PUBLIC WAY IMPROVEMENTS DESIGN.

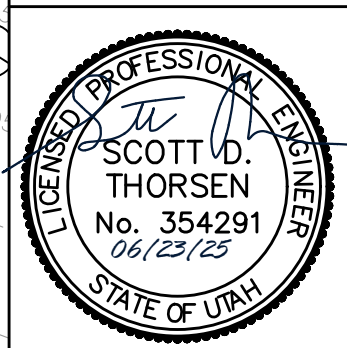
SEE SHEET C4.1-C5.2 FOR PUBLIC WAY IMPROVEMENTS DESIGN.

NO.	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

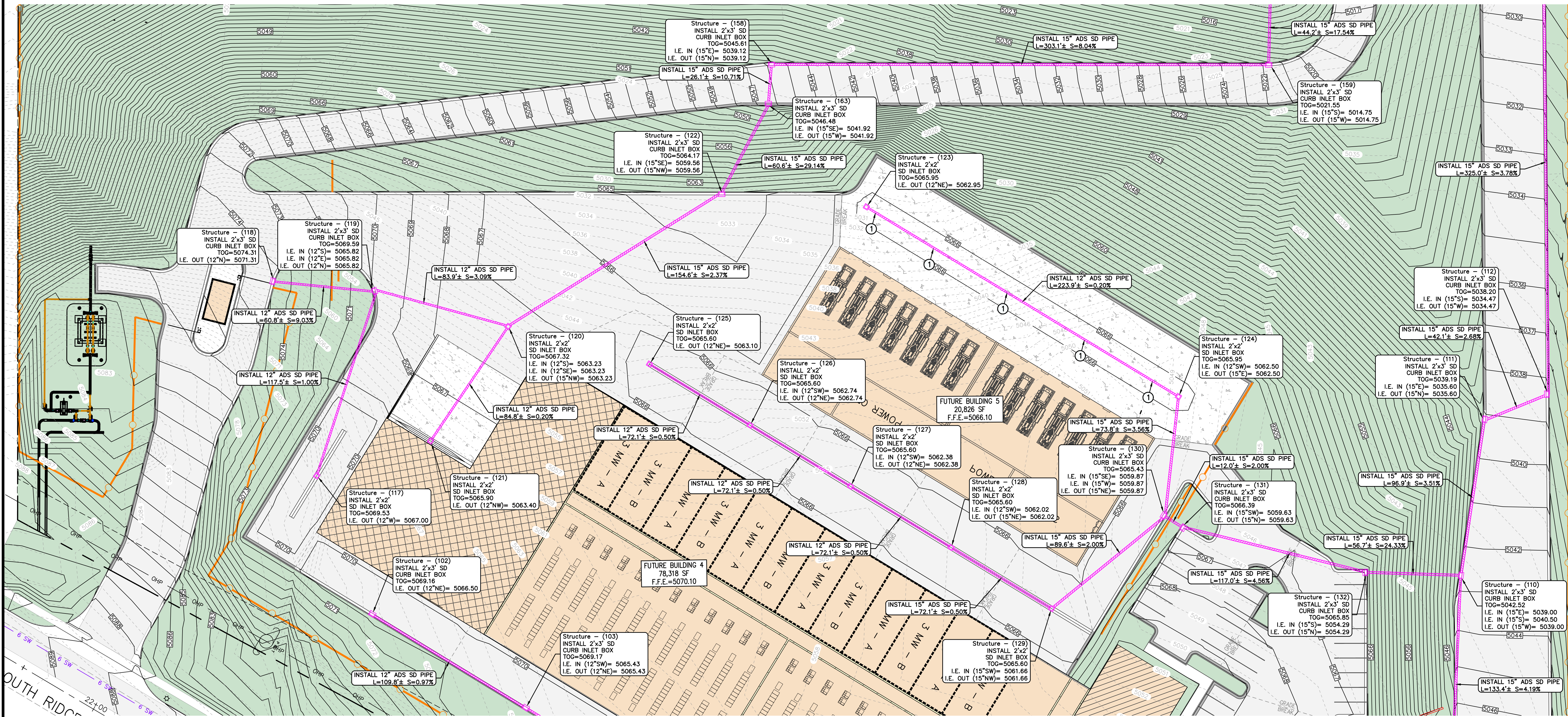
CIVIL ENGINEERING
+ SURVEYING

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

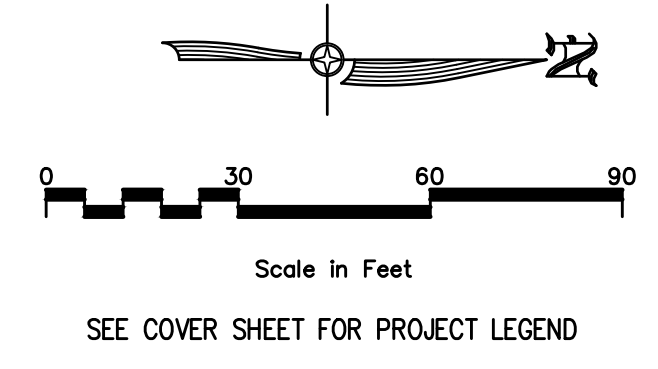
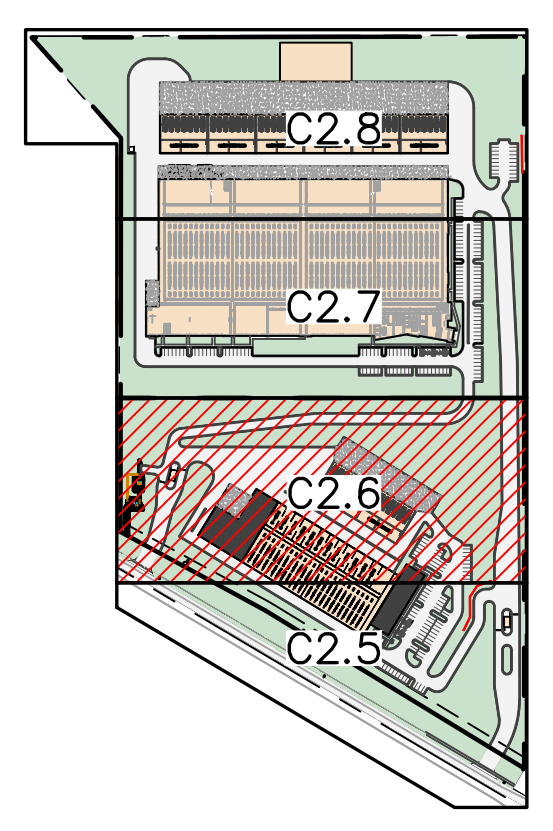
SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
DRAINAGE PLAN



SHEET NO.	C2.5
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJ
SCALE	1"=30'



PLAN KEYNOTE:
① INSTALL ADS DURASLOT XL TRENCH
DRAIN OVER N-12 PIPE.
TOG=5065.95.



NO.	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

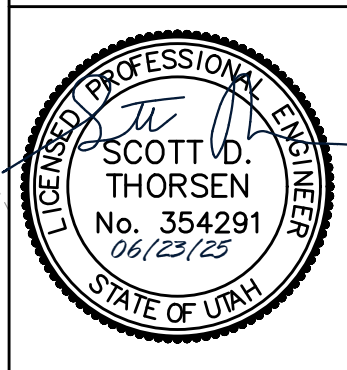
DESIGNER: SDT
PROJECT ENGINEER: SDT

**CIVIL ENGINEERING
+ SURVEYING**

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

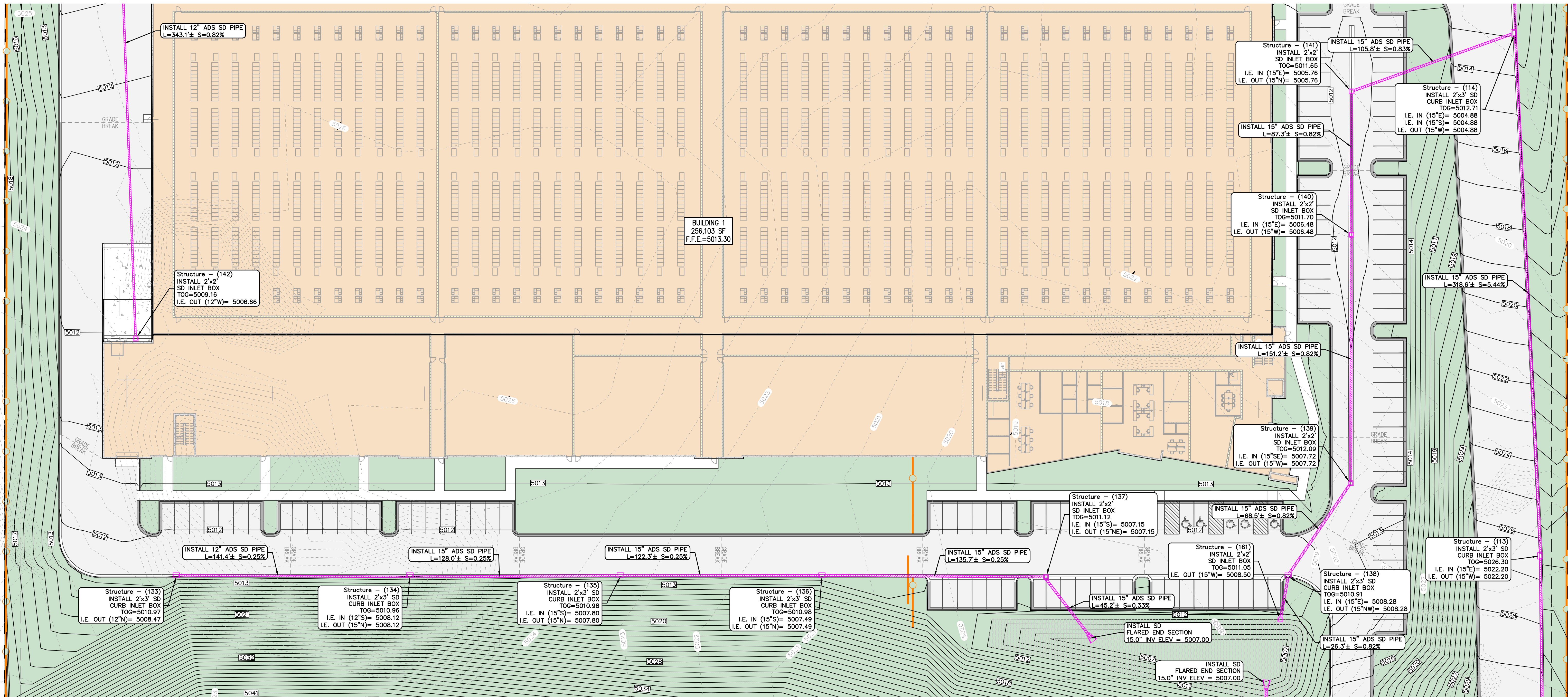
SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

DRAINAGE PLAN



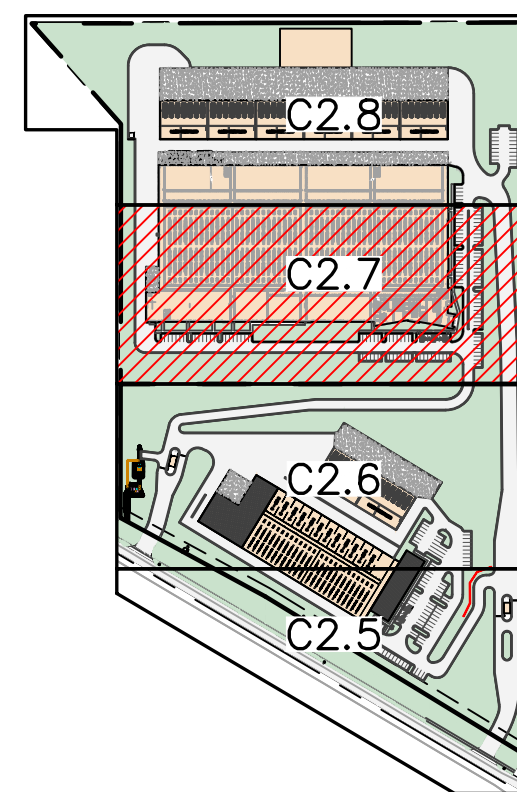
SHEET NO.
C2.6

PROJECT ID: E23-143
DATE: 06/23/25
FILE NAME: PRJ-SJ1
SCALE: 1"=30'

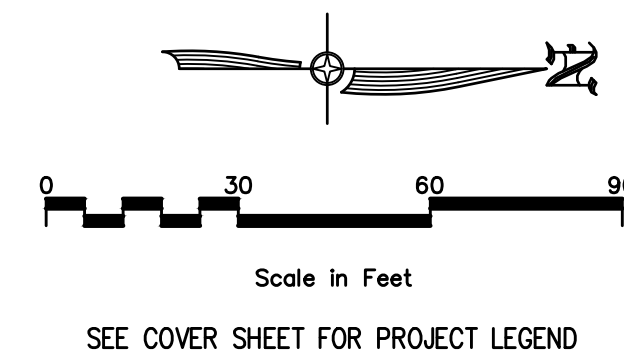


MATCHLINE -SEE SHEET C2.8

MATCHLINE -SEE SHEET C2.6



KEYMAP



NO	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

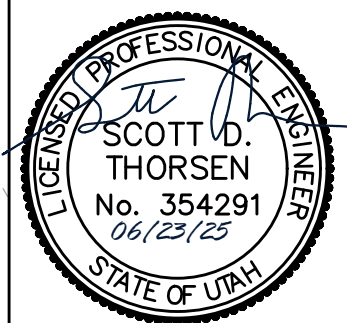
CIR | CIVIL ENGINEERING
+ SURVEYING

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

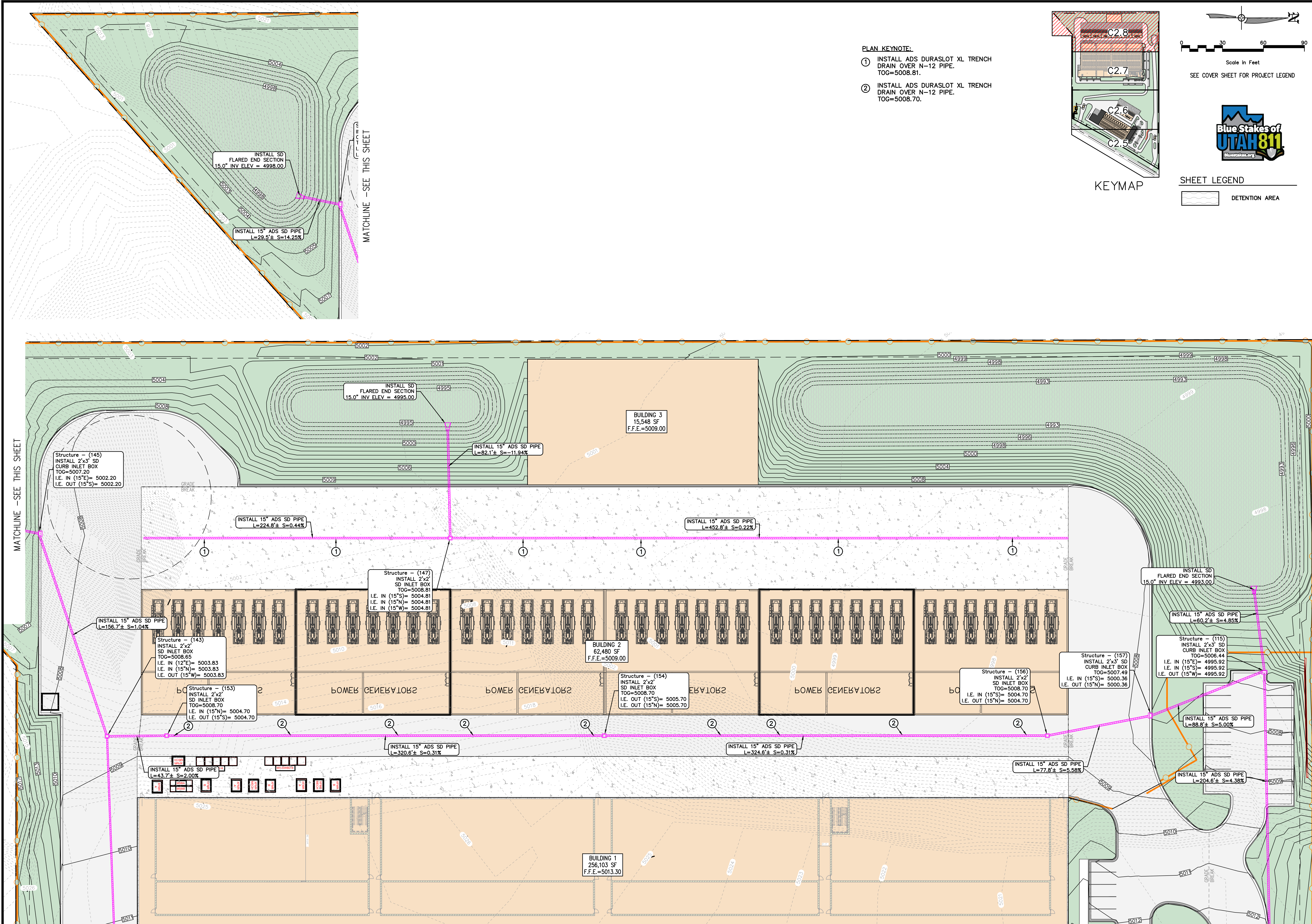
DESIGNER: SDT PROJECT ENGINEER: SDT

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

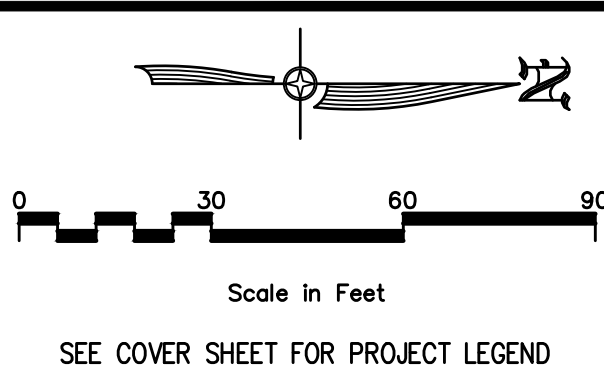
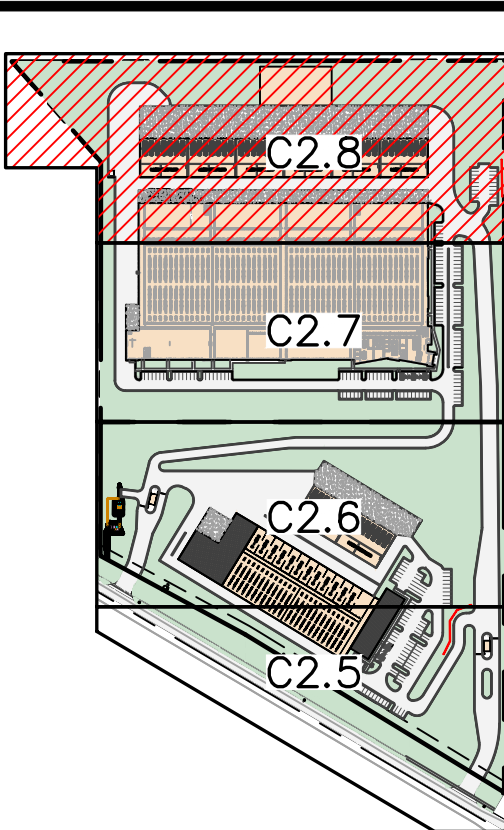
DRAINAGE PLAN



SHEET NO.	C2.7
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJ1
SCALE	1"=30'



- PLAN KEYNOTE:
- ① INSTALL ADS DURASLOT XL TRENCH DRAIN OVER N-12 PIPE. TOG=5008.81.
 - ② INSTALL ADS DURASLOT XL TRENCH DRAIN OVER N-12 PIPE. TOG=5008.70.



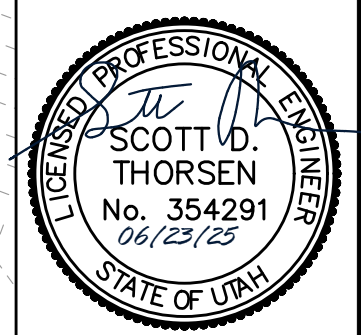
ROW	DATE	BY	DATE
1	06/23/25		
NO	REVISIONS	DESIGNER	PROJECT ENGINEER
		SDT	

CIR | CIVIL ENGINEERING + SURVEYING

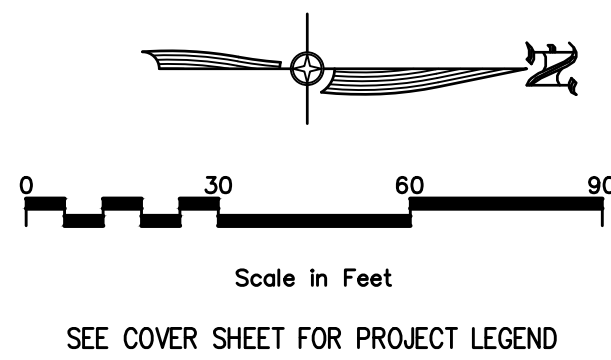
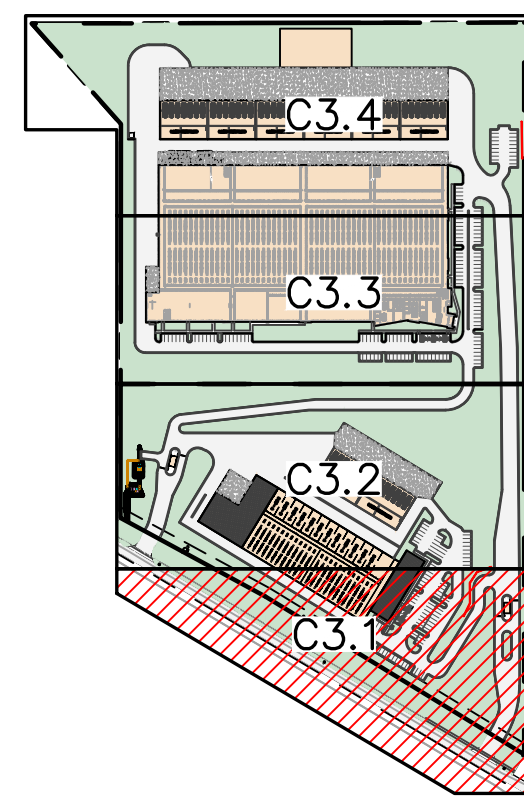
10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

DRAINAGE PLAN



SHEET NO.	C2.8
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJT
SCALE	1"=30'



KEYMAP

MATCHLINE -SEE SHEET C3.2

FUTURE BUILDING 4
78,318 SF
F.F.E.=5070.10

SEE SHEET C4.1-C5.2 FOR PUBLIC WAY
IMPROVEMENTS DESIGN.

UTILITY PLAN NOTES:

- 1 INSTALL 2" POLY PIPE WITH BENDS. END WATER LINE 5' FROM BUILDING AND SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING.
- 2 INSTALL 2" WATER METER PER SANTAQUIN CITY STANDARDS.
- 3 PROPOSED 8" PVC C-900 FIRE LINE.
- 4 INSTALL 8" 45° BEND W/THRUST BLOCK.
- 5 INSTALL 8"x8"x6" TEE W/6" GATE VALVE W/THRUST BLOCKS
- 6 INSTALL 8"x8"x8"x10" CROSS W/8" GATE VALVES W/THRUST BLOCKS
- 7 INSTALL WALL MOUNTED FDC PER SANTAQUIN STANDARDS.
- 8 END 8" PVC C-900 FIRE LINE 5' FROM BUILDING AND SEE FIRE SPRINKLER PLANS FOR CONTINUATION TO FIRE RISER.
- 9 INSTALL FIRE HYDRANT WITH VALVE PER SANTAQUIN SEE DETAIL C6.0.
- 10 FIRE HYDRANT INSTALLED AS PART OF ROAD IMPROVEMENT PLANS (SEE SHEETS C4.0-4.2 AND C5.1-C5.2 FOR DETAILS).
- 11 INSTALL KNOX BOX 3500 SERIES KEY BOX FOR FIRE DEPARTMENT ACCESS TO FIRE RISER ROOM.
- 12 CONNECT TO PROPOSED SEWER MAIN AND INSTALL 6" SEWER LATERAL. I.E.(6")=5059.12
- 13 INSTALL A TOTAL OF 282'± OF 6" PVC SDR-35 SEWER PIPE, S=1.0%. INSTALL CLEANOUTS EVERY 100' AND AT BENDS. END PIPE 5' FROM BUILDING (I.E.=5061.94) AND SEE PLUMBING PLANS FOR CONTINUATION INTO BUILDING.
- 14 INSTALL 10" PVC C-900 FIRE LINE.
- 15 INSTALL 4" PRESSURIZED SEWER PIPE.
- 16 INSTALL 4' SEWER MANHOLE. TOL=5060.00, IE(6")=5054.14, I.E.(4")=5054.24
- 17 INSTALL 85'± OF 6" PVC SDR-35 SEWER PIPE, S=2.0%.
- 18 CONNECT TO PROPOSED SEWER MAIN AND INSTALL 6" SEWER LATERAL. I.E.(6")=5052.45
- 19 INSTALL 10" TEE AND 10" GATE VALVE W/THRUST BLOCKS

**CIVIL ENGINEERING
+ SURVEYING**

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER

SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

UTILITY PLAN

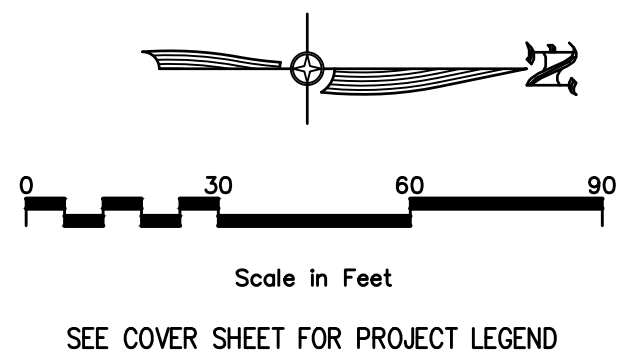
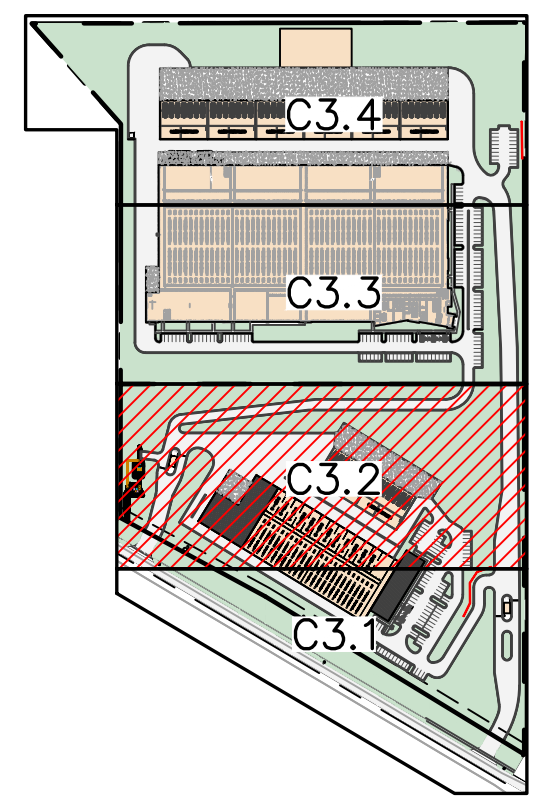


SHEET NO.
C3.1

PROJECT ID: E23-143
DATE: 06/23/25
FILE NAME: PRJ-SJ1
SCALE: 1"=30'

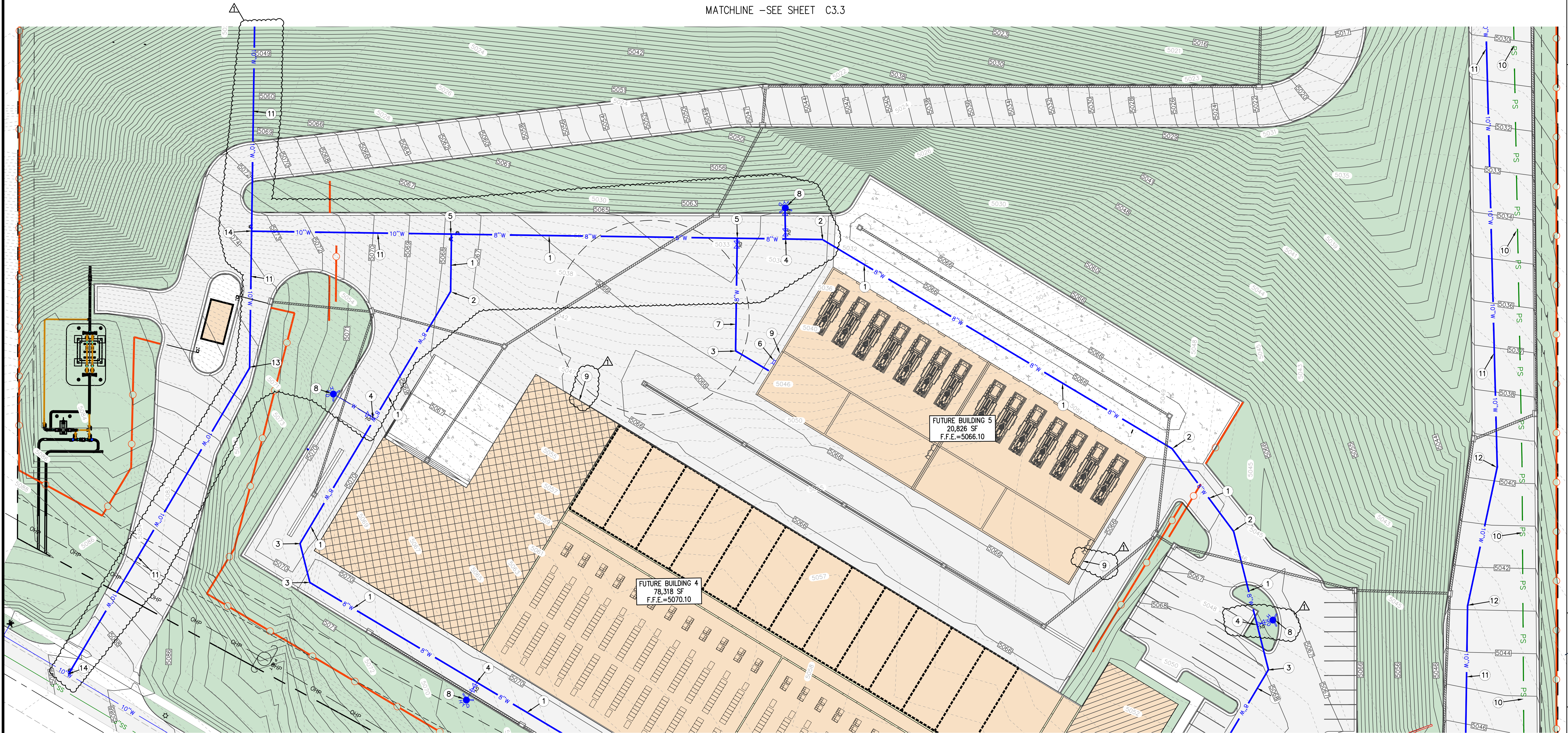
UTILITY PLAN NOTES:

- 1 INSTALL 8" PVC C-900 FIRE LINE.
- 2 INSTALL 8" 22.5° BEND W/THRUST BLOCK.
- 3 INSTALL 8" 45° BEND W/THRUST BLOCK.
- 4 INSTALL 8"x8"x6" TEE W/6" GATE VALVE W/THRUST BLOCKS
- 5 INSTALL 8"x8"x8" TEE W/8" GATE VALVE W/THRUST BLOCKS
- 6 INSTALL WALL MOUNTED FDC PER SANTAQUIN STANDARDS.
- 7 END 8" PVC C-900 FIRE LINE 5' FROM BUILDING AND SEE FIRE SPRINKLER PLANS FOR CONTINUATION TO FIRE RISER.
- 8 INSTALL FIRE HYDRANT WITH VALVE PER SANTAQUIN SEE DETAIL C6.0.
- 9 INSTALL KNOX BOX 3500 SERIES KEY BOX FOR FIRE DEPARTMENT ACCESS TO FIRE RISER ROOM.
- 10 INSTALL 4" PRESSURIZED SEWER PIPE.
- 11 INSTALL 10" PVC C-900 FIRE LINE.
- 12 INSTALL 10" 11.25° BEND W/THRUST BLOCK.
- 13 INSTALL 10" 22.5° BEND W/THRUST BLOCK.
- 14 INSTALL 10" TEE AND GATE VALVE W/THRUST BLOCK.



KEYMAP

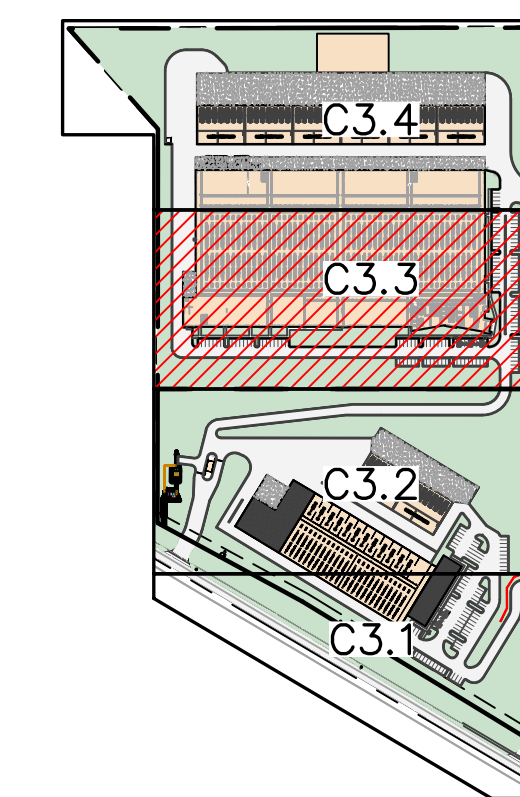
MATCHLINE -SEE SHEET C3.3



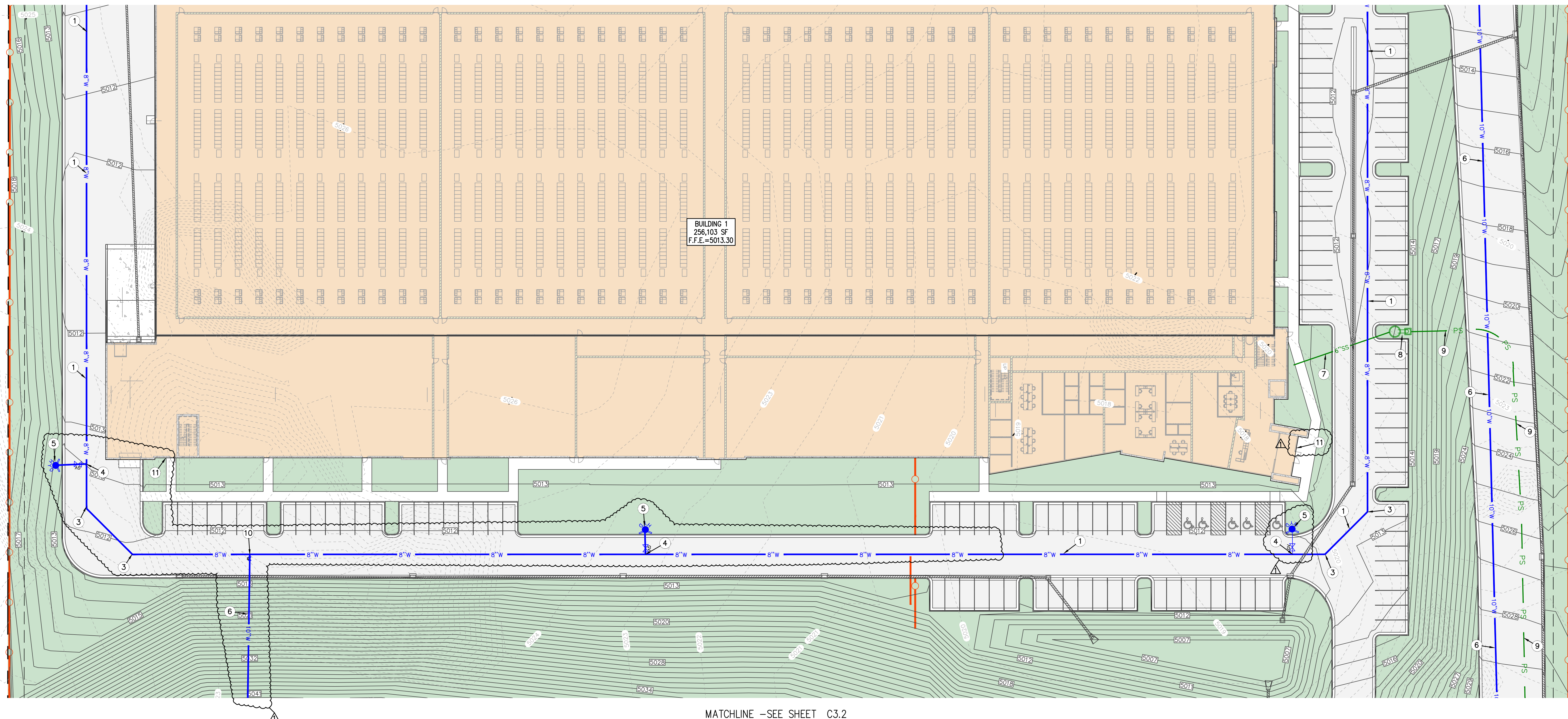
MATCHLINE -SEE SHEET C3.1

- 1 INSTALL 8" PVC C-900 FIRE LINE.
- 2 INSTALL 8" 22.5° BEND W/THRUST BLOCK.
- 3 INSTALL 8" 45° BEND W/THRUST BLOCK.
- 4 INSTALL 8"X8"x6" TEE W/6" GATE VALVE W/THRUST BLOCKS
- 5 INSTALL FIRE HYDRANT WITH VALVE PER SANTAQUIN SEE DETAIL C6.0.
- 6 INSTALL 10" PVC C-900 FIRE LINE.

- 7 INSTALL 62'± OF 6" PVC SDR-35 SEWER PIPE, S=1.0%. END PIPE 5' FROM BUILDING (I.E.=4996.50) AND SEE PLUMBING PLANS FOR CONTINUATION INTO BUILDING.
- 8 INSTALL SEWER LIFT PUMP. TOL=5013.10, I.E.(6")=4995.88, I.E.(4")=5008.00
- 9 INSTALL 4" PRESSURIZED SEWER PIPE.
- 10 INSTALL 8"x10"x8" TEE AND GATE VALVE W/THRUST BLOCK.
- 11 INSTALL KNOX BOX 3500 SERIES KEY BOX FOR FIRE DEPARTMENT ACCESS TO FIRE RISER ROOM.



BUILDING 1
256,103 SF
F.F.E.=5013.30



MATCHLINE -SEE SHEET C3.2

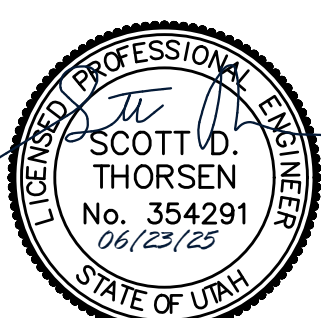


**CIVIL ENGINEERING
+ SURVEYING**

10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 801-949-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

UTILITY PLAN

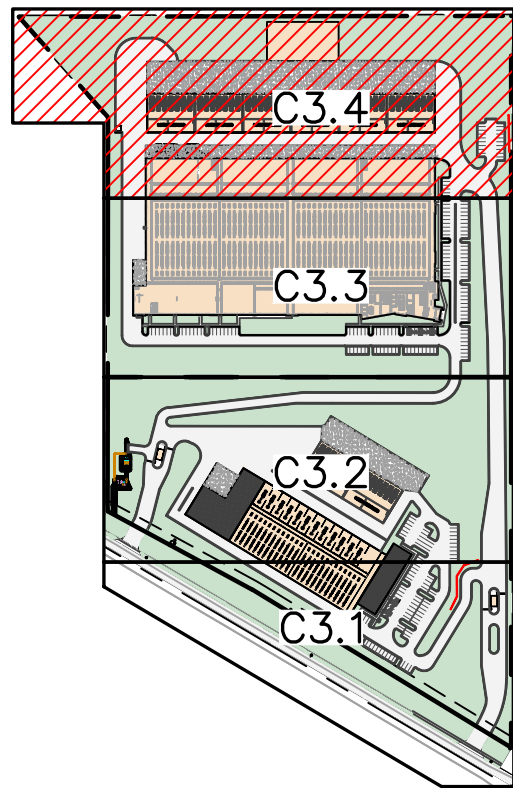
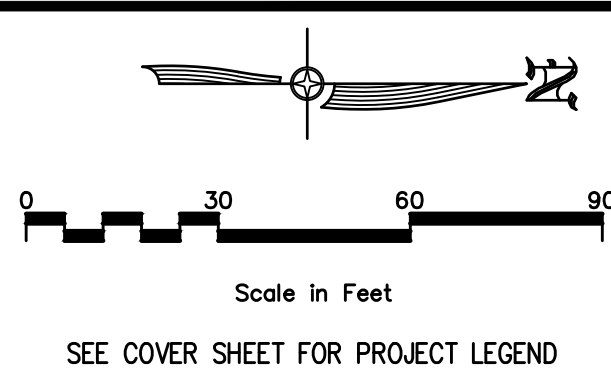


SHEET NO.	
C3.3	
PROJECT ID	DATE:
E23-143	06/23/20
FILE NAME:	SCALE:
PRJ-SJ1	1"=30'

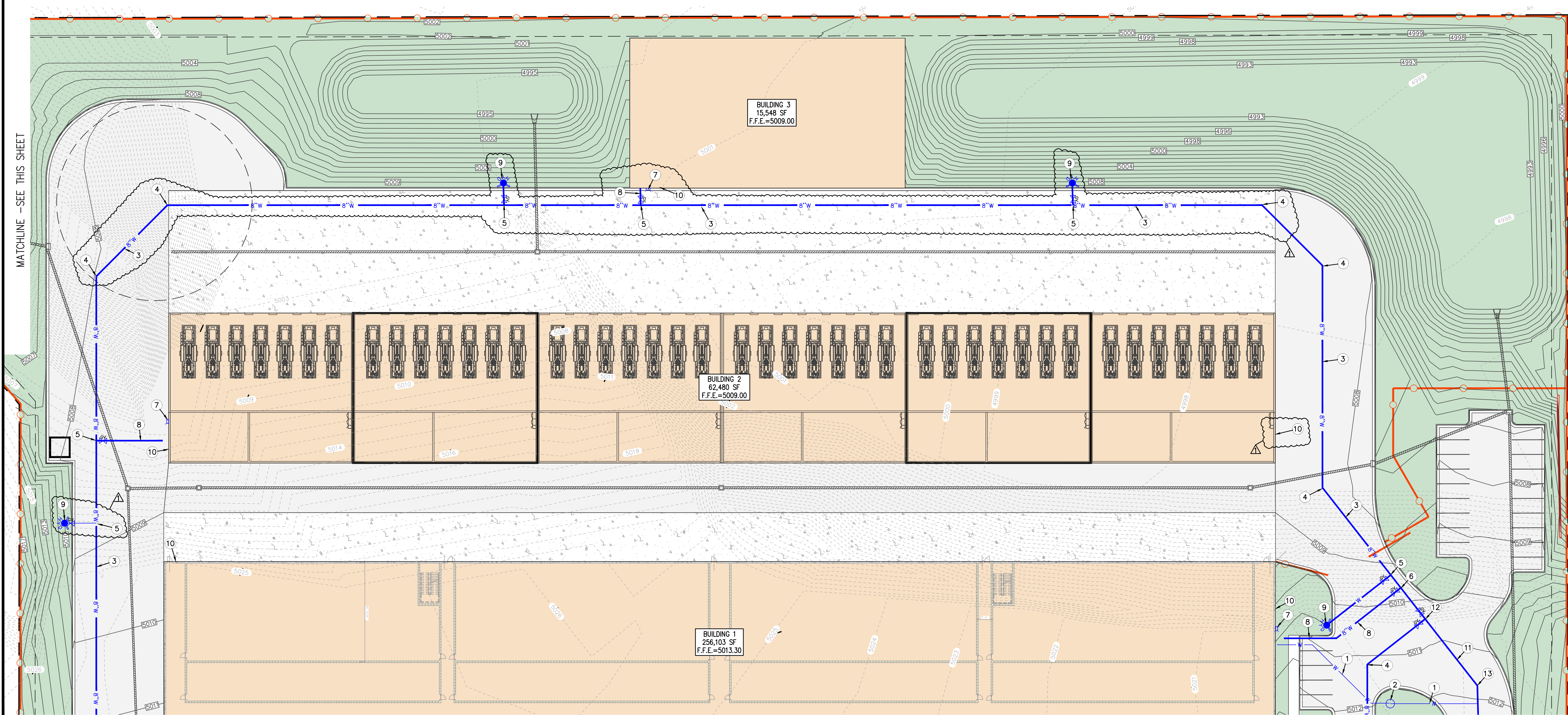


UTILITY PLAN NOTES:

1. INSTALL 2" POLY PIPE WITH BENDS. END WATER LINE 5' FROM BUILDING AND SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING.
2. INSTALL 2" WATER METER PER SANTAQUIN CITY STANDARDS.
3. PROPOSED 8" PVC C-900 FIRE LINE.
4. INSTALL 8" 45° BEND W/THRUST BLOCK.
5. INSTALL 8"x8"x6" TEE W/6" GATE VALVE W/THRUST BLOCKS
6. INSTALL 8"x8"x8" TEE W/8" GATE VALVE W/THRUST BLOCKS
7. INSTALL WALL MOUNTED FDC PER SANTAQUIN STANDARDS.
8. END 8" PVC C-900 FIRE LINE 5' FROM BUILDING AND SEE FIRE SPRINKLER PLANS FOR CONTINUATION TO FIRE RISER.
9. INSTALL FIRE HYDRANT WITH VALVE PER SANTAQUIN SEE DETAIL C6.0.
10. INSTALL KNOX BOX 3500 SERIES KEY BOX FOR FIRE DEPARTMENT ACCESS TO FIRE RISER ROOM.
11. PROPOSED 10" PVC C-900 FIRE LINE.
12. INSTALL 8"x8"x10" TEE W/ TWO 8" GATE VALVE W/THRUST BLOCKS
13. INSTALL 10" 45° BEND W/THRUST BLOCK.



KEYMAP



MATCHLINE -SEE SHEET C3.3

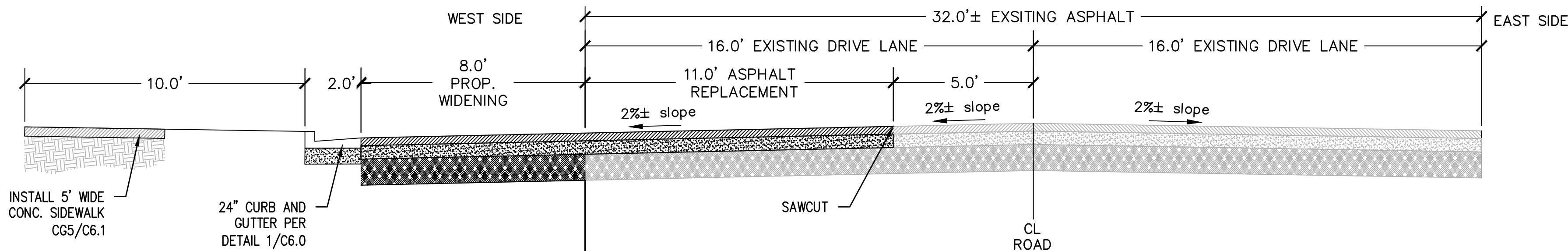
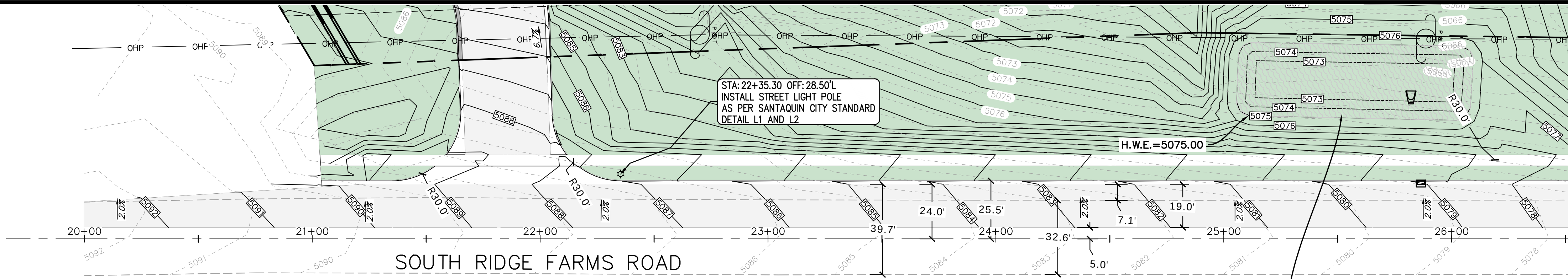
ROW	DATE	BY	DATE
1	06/23/25		
NO	REVISIONS	DESIGNER	PROJECT ENGINEER
		SDT	

CIR | CIVIL ENGINEERING
+ SURVEYING
10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
UTILITY PLAN

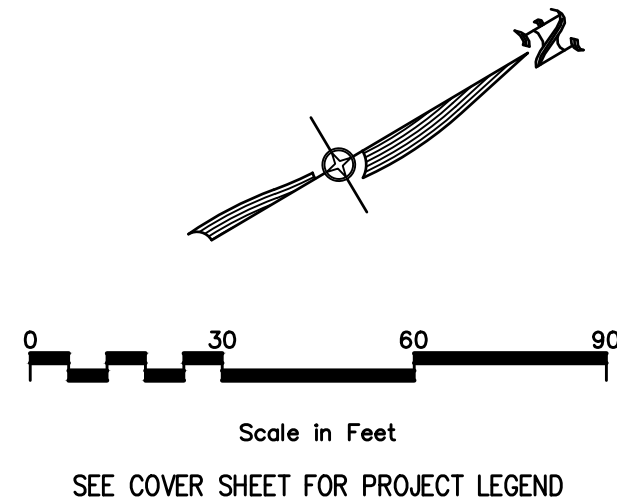


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PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJT
SCALE	1"=30'

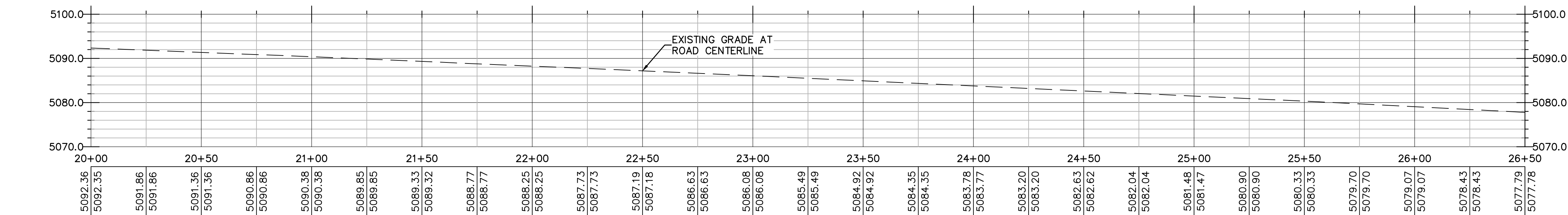


SOUTH RIDGE FARMS ROAD CROSS-SECTION
STA: 20+00 TO 33+00

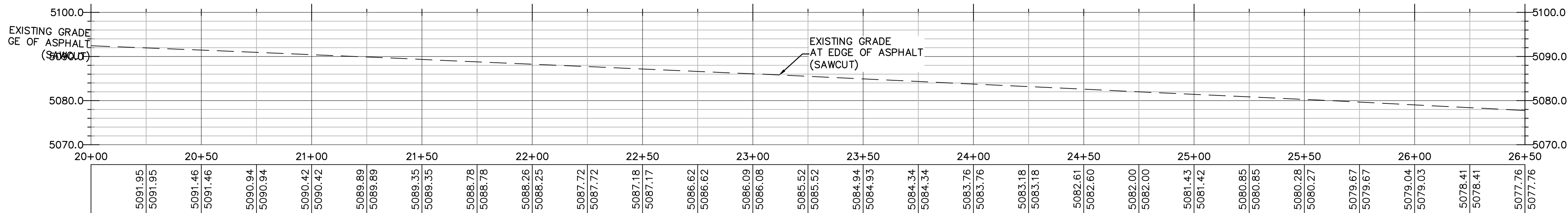
PROPOSED RETENTION POND 1 OF 3
DESIGN STORM EVENT = 100 YEAR 24 HOUR
RELEASE RATE = 0 CFS (FULL RETENTION)
REQUIRED RETENTION VOLUME = 5,635 CF
PROVIDED RETENTION VOLUME = 9,120 CF
FREEBOARD = 1.0 FEET
SIDE SLOPES = 4:1 MAX
TOP OF POND ELE. = 5076.0
BOTTOM OF POND ELE. = 5072.0
H.W.E. = 5075.0



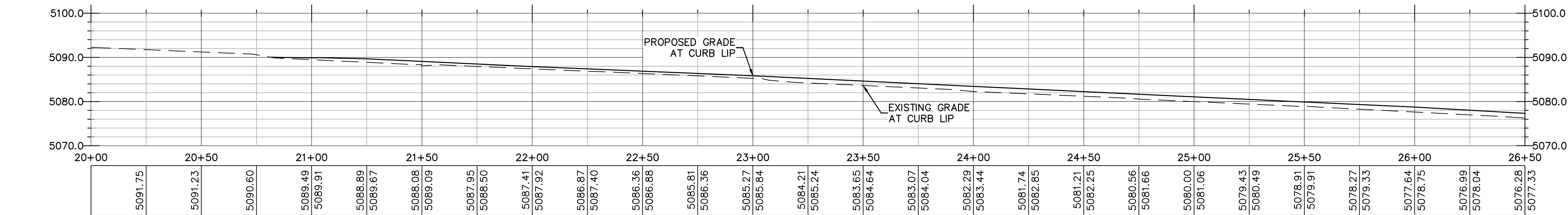
SHEET LEGEND
[Symbol] DETENTION AREA
[Symbol] PROP. ASPHALT



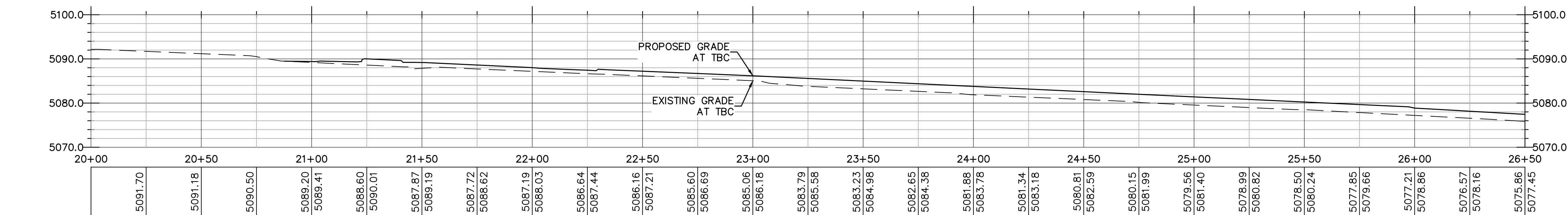
CENTERLINE PROFILE



EDGE OF ASPHALT PROFILE (SAWCUT)



CURB LIP PROFILE



TBC PROFILE

MATCHLINE - STA 26+50
SEE SHEET C4.2

MATCHLINE - STA 26+50
SEE SHEET C4.2

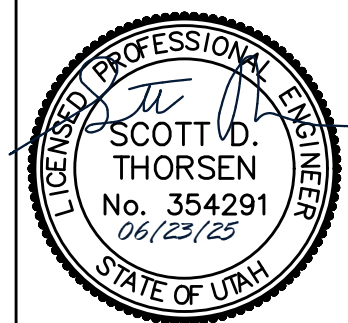
MATCHLINE - STA 26+50
SEE SHEET C4.2

MATCHLINE - STA 26+50
SEE SHEET C4.2

ROW	DATE	REVISIONS	BY	DATE
1	06/23/25			

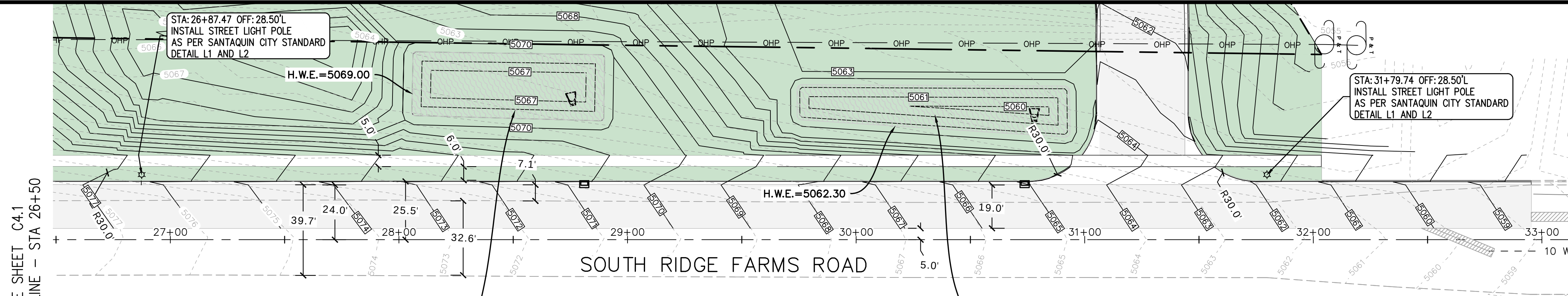
CIVIL ENGINEERING + SURVEYING
10718 S BECKSTEAD LANE, SUITE 102
South Jordan, Utah - 84094-6296
DESIGNER: SDT PROJECT ENGINEER: SDT

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTIAGUI UT, 84655
ROAD WIDENING PLAN AND PROFILE
STA: 20+00 STA: 20+00 TO 26+50



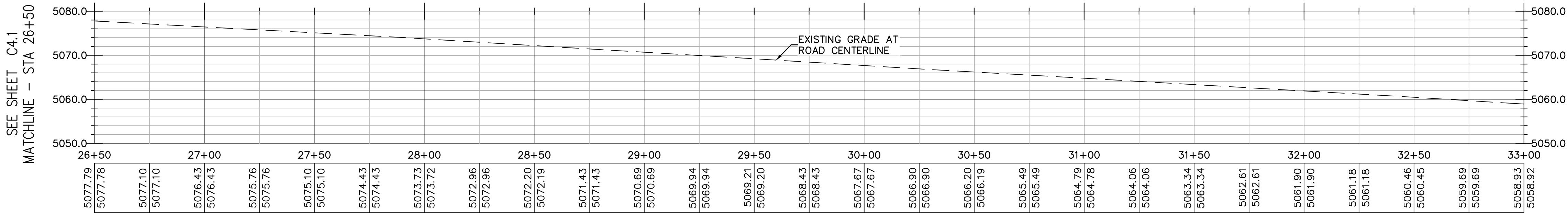
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PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJI
SCALE	1"=30'



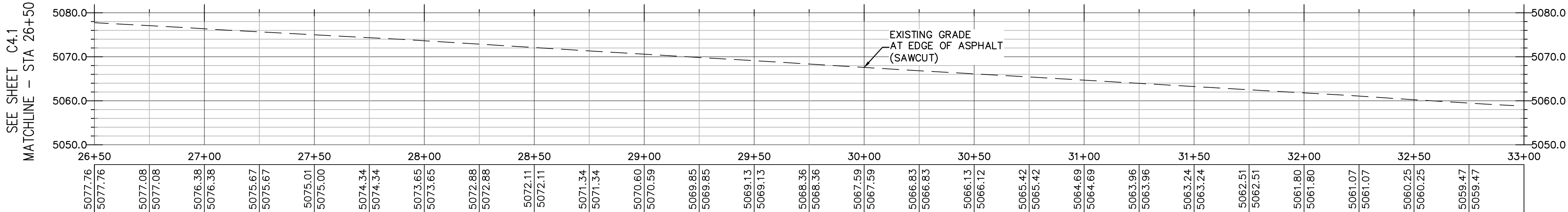


PROPOSED RETENTION POND 2 OF 3
DESIGN STORM EVENT = 100 YEAR 24 HOUR
RELEASE RATE = 0 CFS (FULL RETENTION)
REQUIRED RETENTION VOLUME = 3,675 CF
PROVIDED RETENTION VOLUME = 6,204 CF
FREEBOARD = 1.0 FEET
SIDE SLOPES = 4:1 MAX
TOP OF POND ELE. = 5070.0
BOTTOM OF POND ELE. = 5066.0
H.W.E. = 5069.0

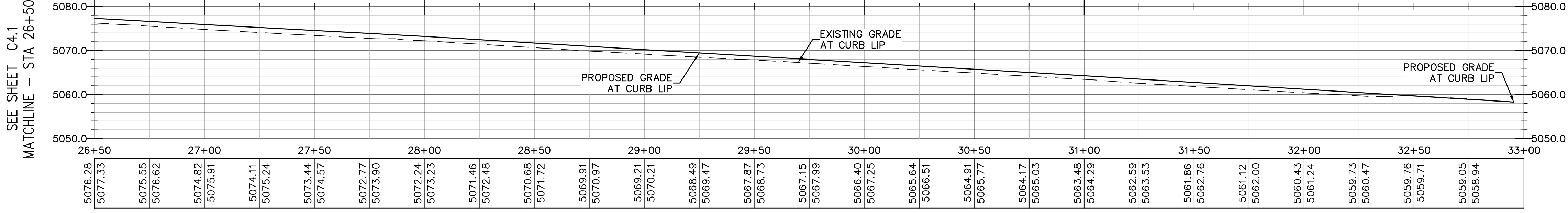
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DESIGN STORM EVENT = 100 YEAR 24 HOUR
RELEASE RATE = 0 CFS (FULL RETENTION)
REQUIRED RETENTION VOLUME = 2,450 CF
PROVIDED RETENTION VOLUME = 4,069 CF
FREEBOARD = 0.7 FEET
SIDE SLOPES = 4:1 MAX
TOP OF POND ELE. = 5063.0
BOTTOM OF POND ELE. = 5060.0
H.W.E. = 5062.3



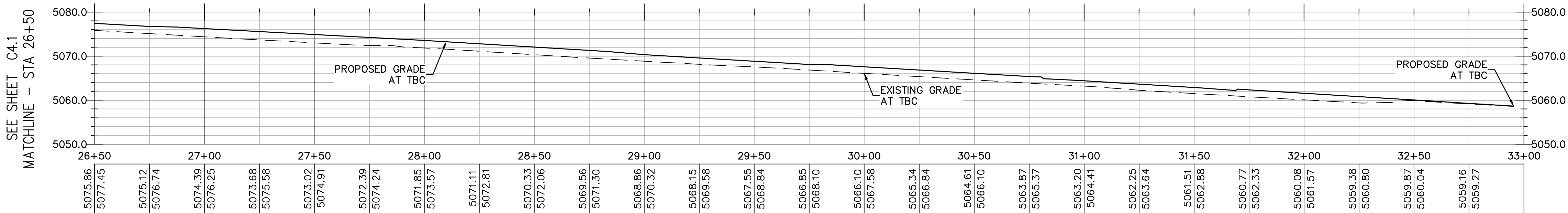
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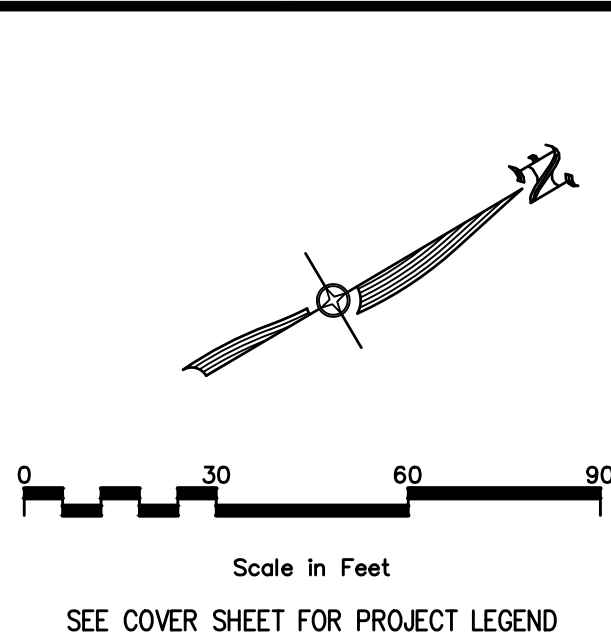
EDGE OF ASPHALT PROFILE



CURB LIP PROFILE



TBC PROFILE



SHEET LEGEND

	DETENTION AREA
	ASPHALT REPLACEMENT
	PROP. ASPHALT

ROW	DATE	REVISIONS	BY	DATE
1	06/23/25			

DESIGNER: SDT PROJECT ENGINEER: SDT

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SUMMIT DATA CENTER

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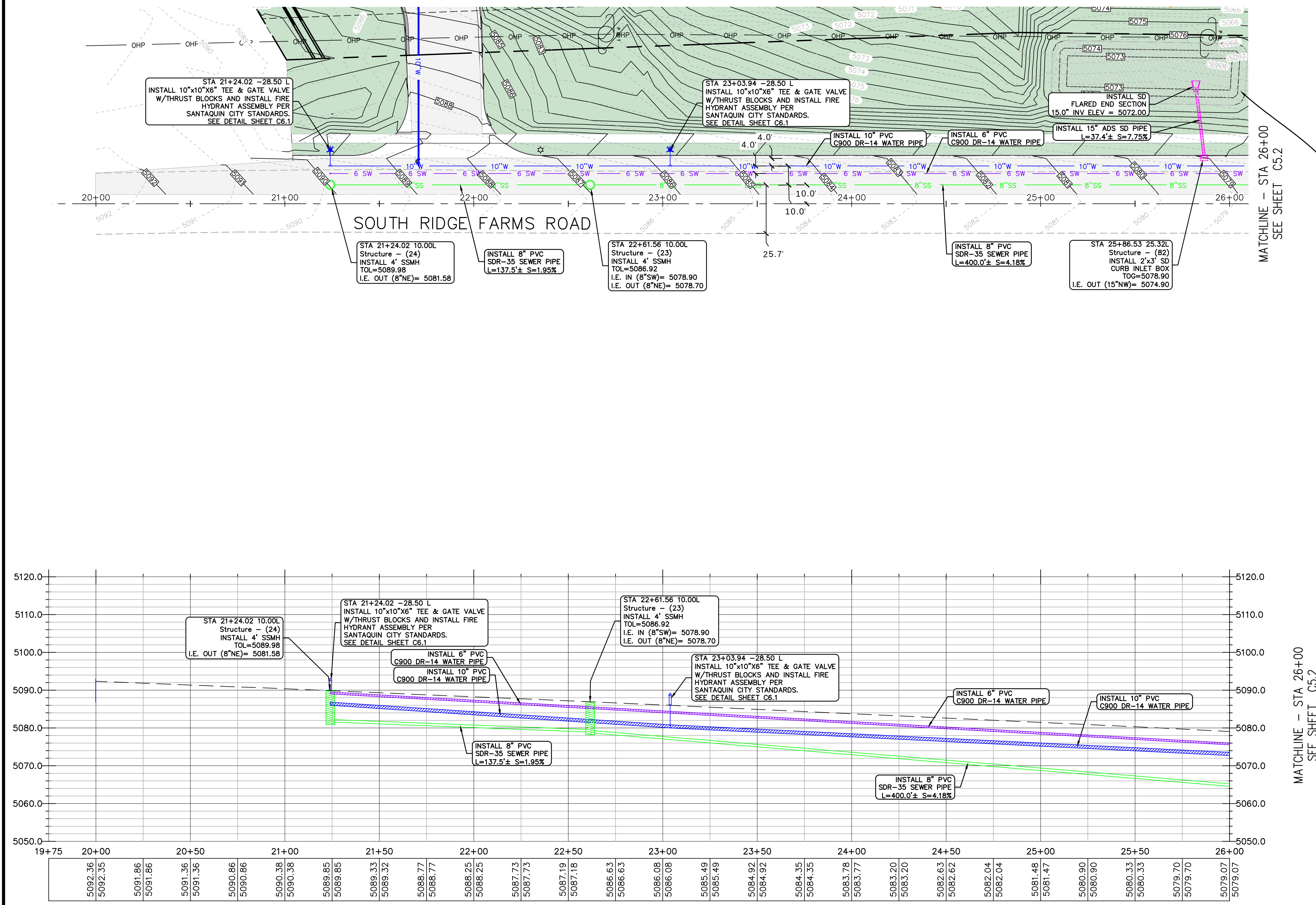
ROAD WIDENING PLAN AND PROFILE

STA: 26+50 TO 33+00



SHEET NO.	C4.2
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJT
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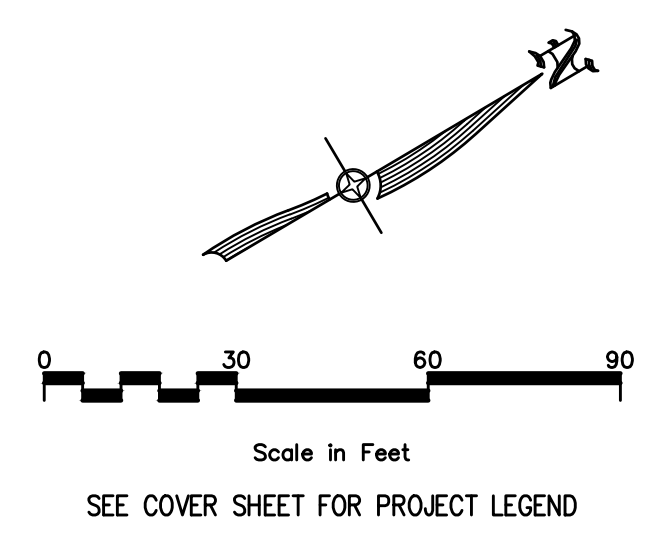




MATCHLINE - STA 26+00
SEE SHEET C5.2

MATCHLINE - STA 26+00
SEE SHEET C5.2

PROPOSED RETENTION POND 1 OF 3
DESIGN STORM EVENT = 100 YEAR 24 HOUR
RELEASE RATE = 0 CFS (FULL RETENTION)
REQUIRED RETENTION VOLUME = 5,635 CF
PROVIDED RETENTION VOLUME = 9,120 CF
FREEBOARD = 1.0 FEET
SIDE SLOPES = 4:1 MAX
TOP OF POND ELE. = 5076.0
BOTTOM OF POND ELE. = 5072.0
H.W.E. = 5075.0

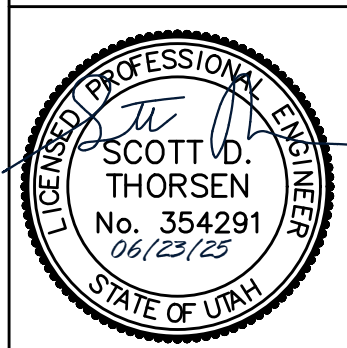


NO.	REVISIONS	BY	DATE
1	PRE COMMENTS		06/23/25

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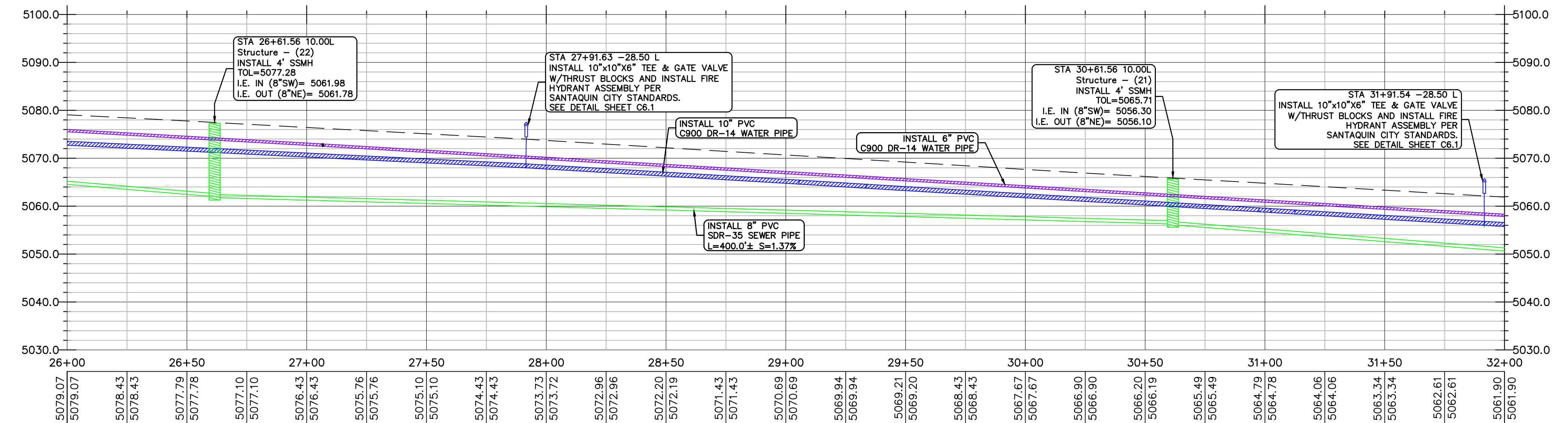
SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
UTILITY PLAN AND PROFILE
STA: 20+00 TO 26+00



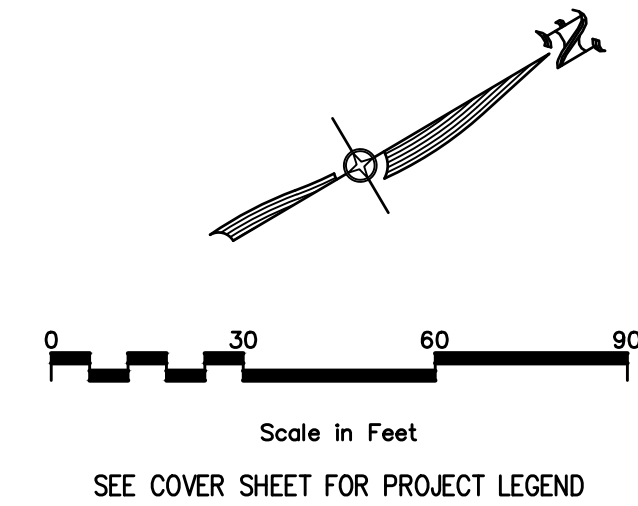
SHEET NO.	C5.1
PROJECT ID	E23-143
DATE	06/23/25
FILE NAME	PRJ-SJ1
SCALE	1"=30'



PROPOSED RETENTION POND 3 OF 3	
DESIGN STORM EVENT	= 100 YEAR 24 HOUR
RELEASE RATE	= 0 CFS (FULL RETENTION)
REQUIRED RETENTION VOLUME	= 2,450 CF
PROVIDED RETENTION VOLUME	= 4,069 CF
FREEBOARD	= 0.7 FEET
SIDE SLOPES	= 4:1 MAX
TOP OF POND ELE.	= 5063.0
BOTTOM OF POND ELE.	= 5060.0
H.W.E.	= 5062.3



- ① CONNECT TO PROPOSED 10" WATER MAIN AND INSTALL 2" WATER LATERAL AND 2" WATER METER FOR CULINARY PURPOSES. CAP AND MARK LATERAL 5' PAST PROPERTY LINE FOR FUTURE CONNECTION. ALL WORK TO BE DONE PER SANTAQUIN STANDARDS.
- ② CONNECT TO PROPOSED 10" WATER MAIN VIA TEE (W/8" GATE VALVE AND THRUST BLOCKS) AND INSTALL 8" FIRE LINE LATERAL. CAP AND MARK LATERAL 5' PAST PROPERTY LINE FOR FUTURE CONNECTION.
- ③ CONNECT TO PROPOSED 8" SEWER MAIN (I.E.(8"MAIN)=5058.26, I.E.(6"LAT)=5068.93) AND INSTALL 84.9' OF 6" PVC SDR-35 SEWER LATERAL, S=1.48%, CAP AND MARK LATERAL 5' PAST PROPERTY LINE FOR FUTURE CONNECTION (I.E.(CAP)=5060.19). ALL WORK TO BE DONE PER SANTAQUIN STANDARDS.
- ④ CONNECT TO PROPOSED 10" WATER MAIN VIA TEE (W/10" GATE VALVE AND THRUST BLOCKS) AND INSTALL 10" FIRE LINE LATERAL. CAP AND MARK LATERAL 10' PAST PROPERTY LINE FOR FUTURE CONNECTION.



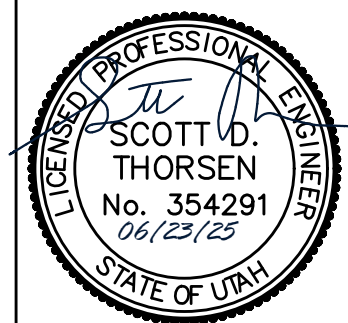
	NQ	REVISIONS	BY	DATE	DESIGNER: SDT	PROJECT ENGINEER: SDT
1	FIRE COMMENTS		ROW	06/23/25		

**CIVIL ENGINEERING
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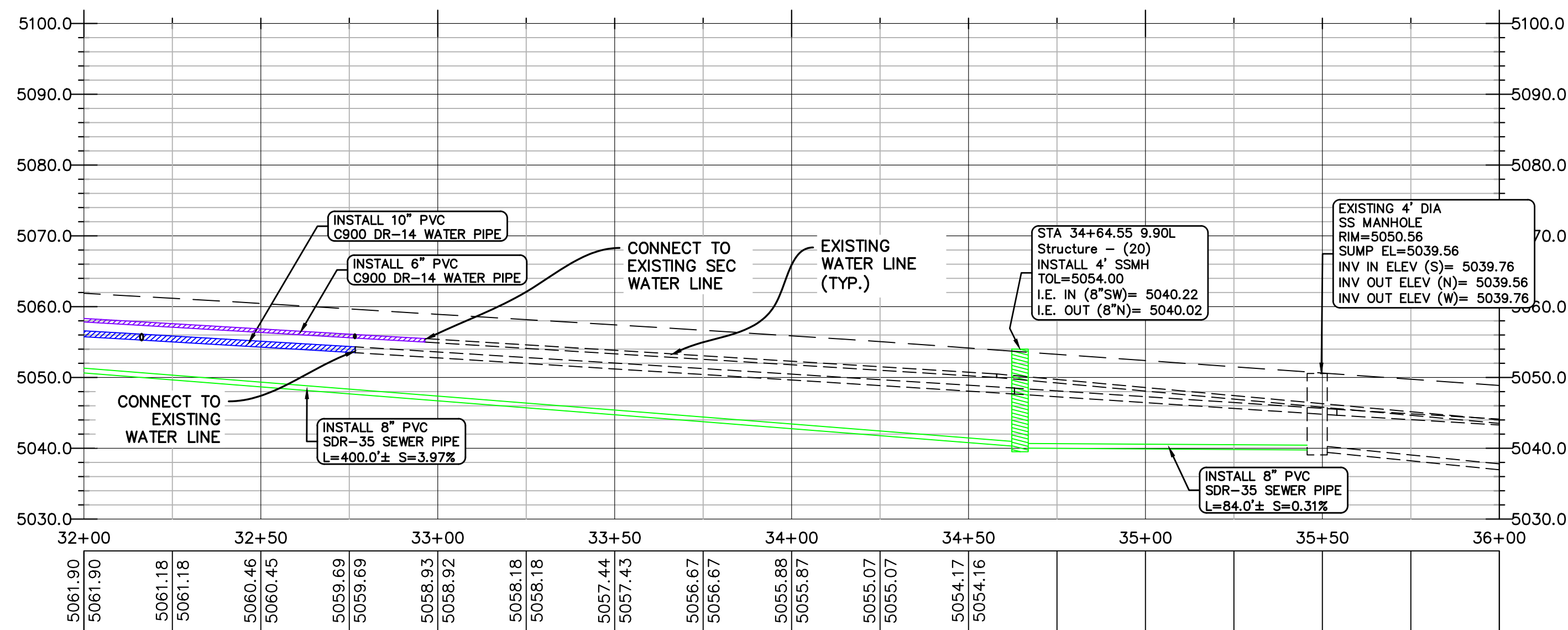
SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
UTILITY PLAN AND PROFILE
STA: 26+00 TO 32+00



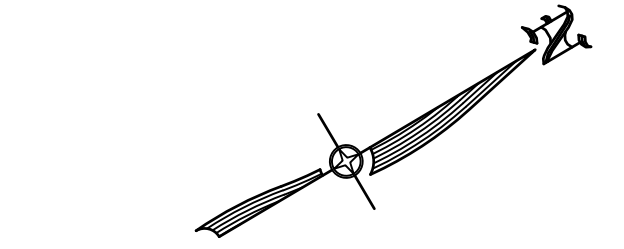
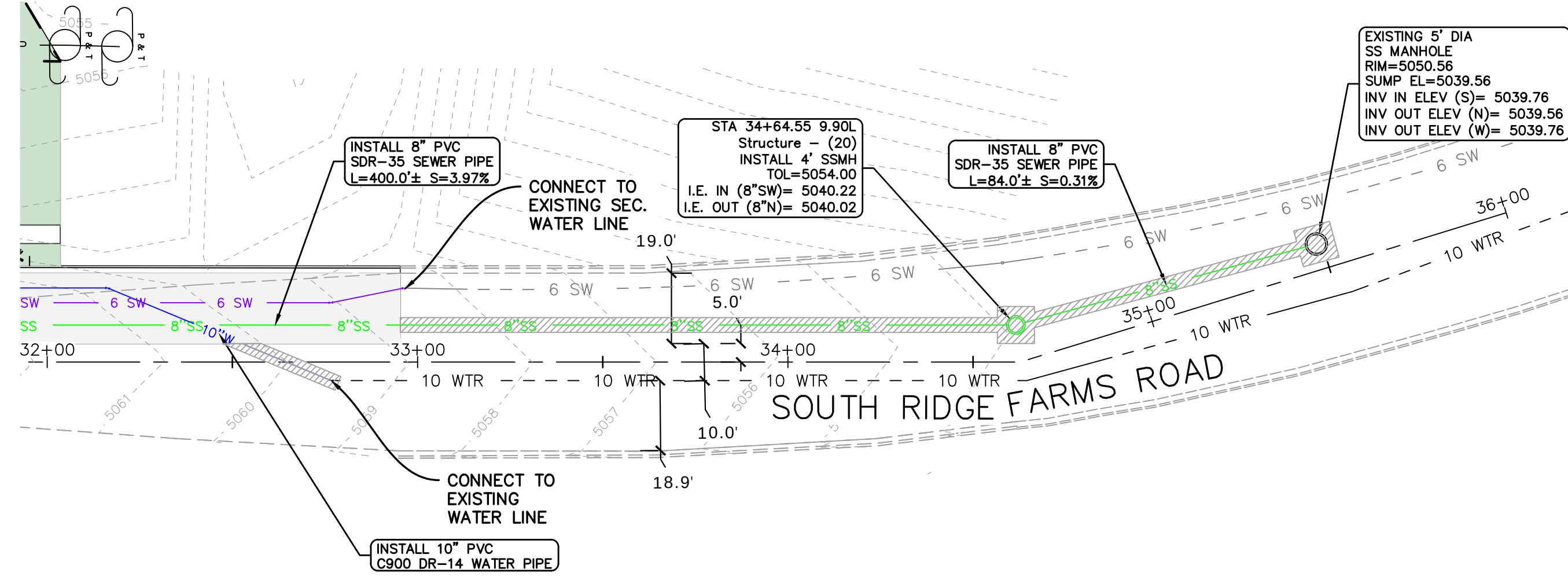
SHEET NO. C5.2	
PROJECT ID E23-143	DATE: 06/23/25
FILE NAME: PRJ-SJ1	SCALE: 1"=30'



SEE SHEET C5.2
MATCHLINE - STA 32+00



SEE SHEET C5.2
MATCHLINE - STA 32+00



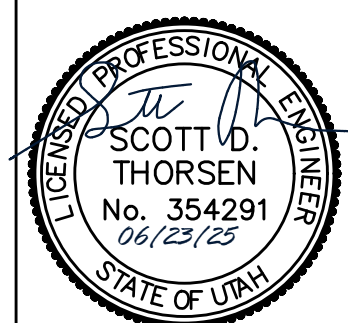
Scale in Feet
0 30 60 90

SEE COVER SHEET FOR PROJECT LEGEND

SHEET LEGEND

- PROPOSED ASPHALT
- ASPHALT REPLACEMENT

SUMMIT DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655
UTILITY PLAN AND PROFILE
STA: 32+00 TO 36+00

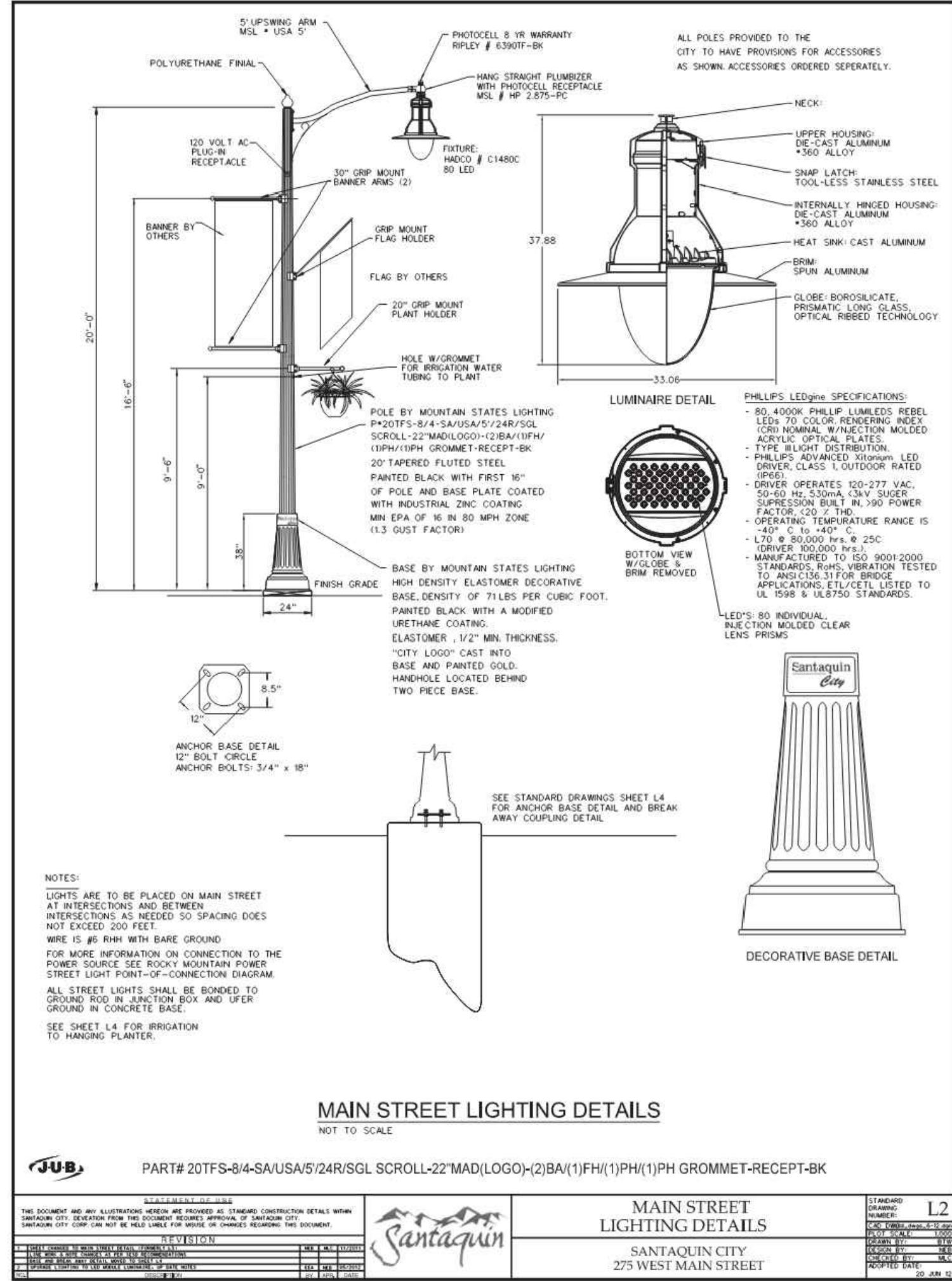
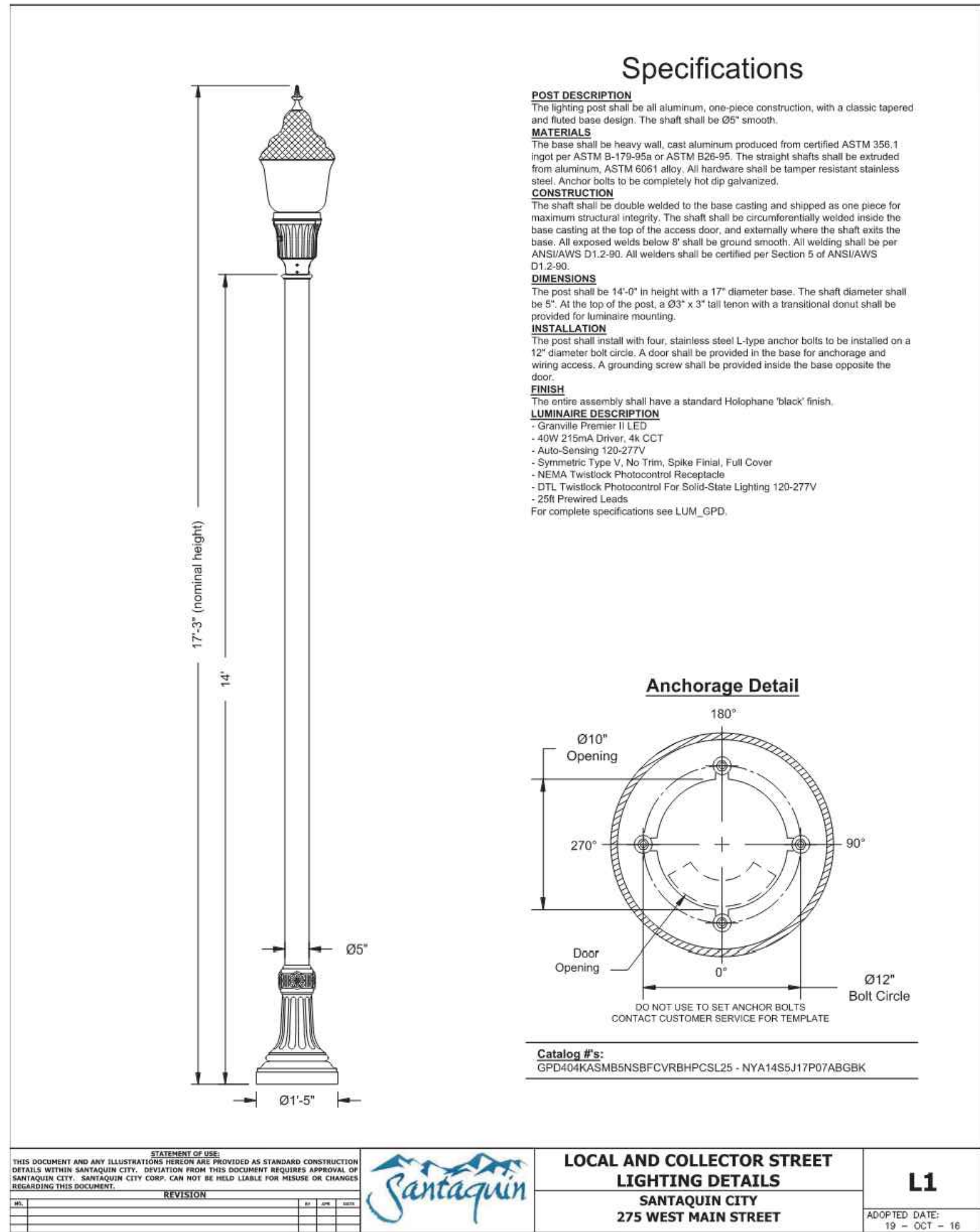
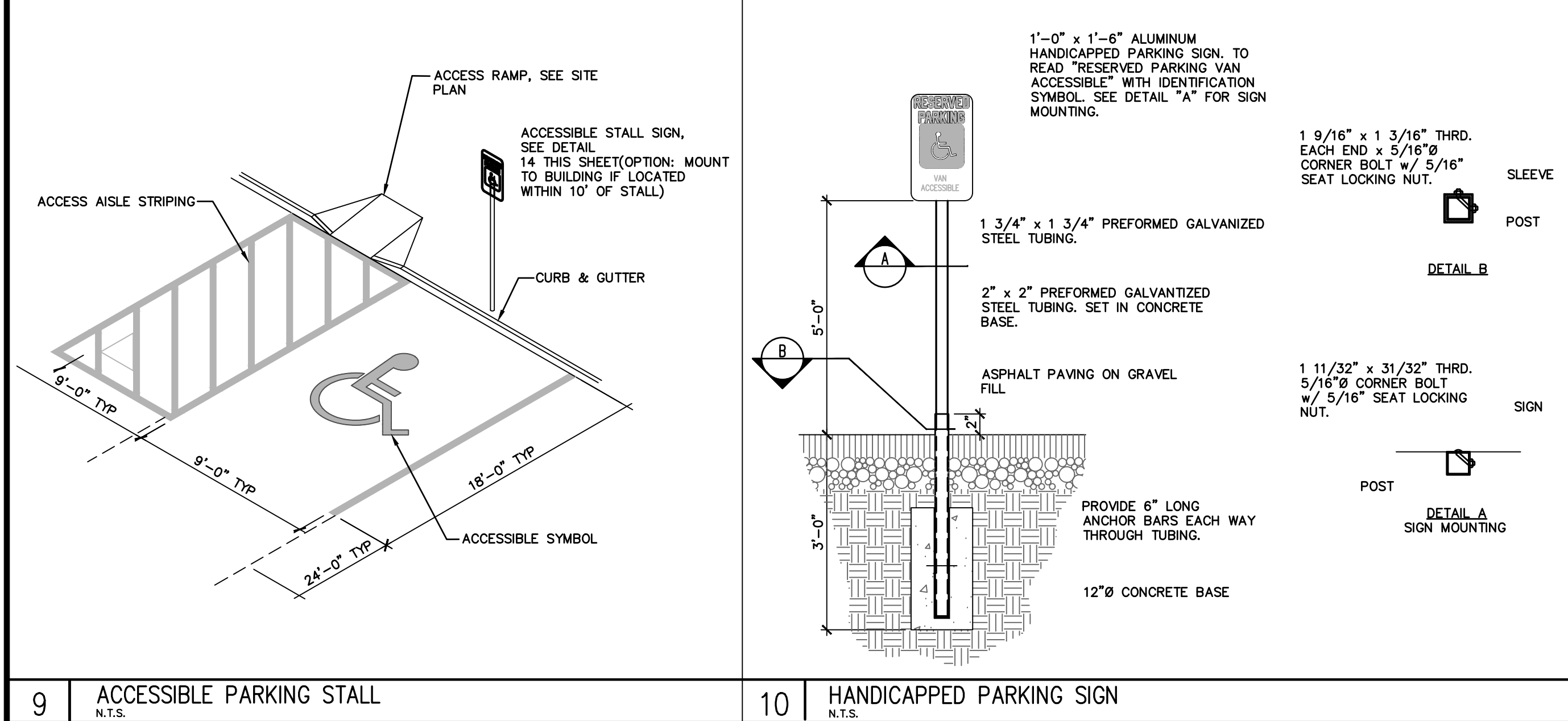
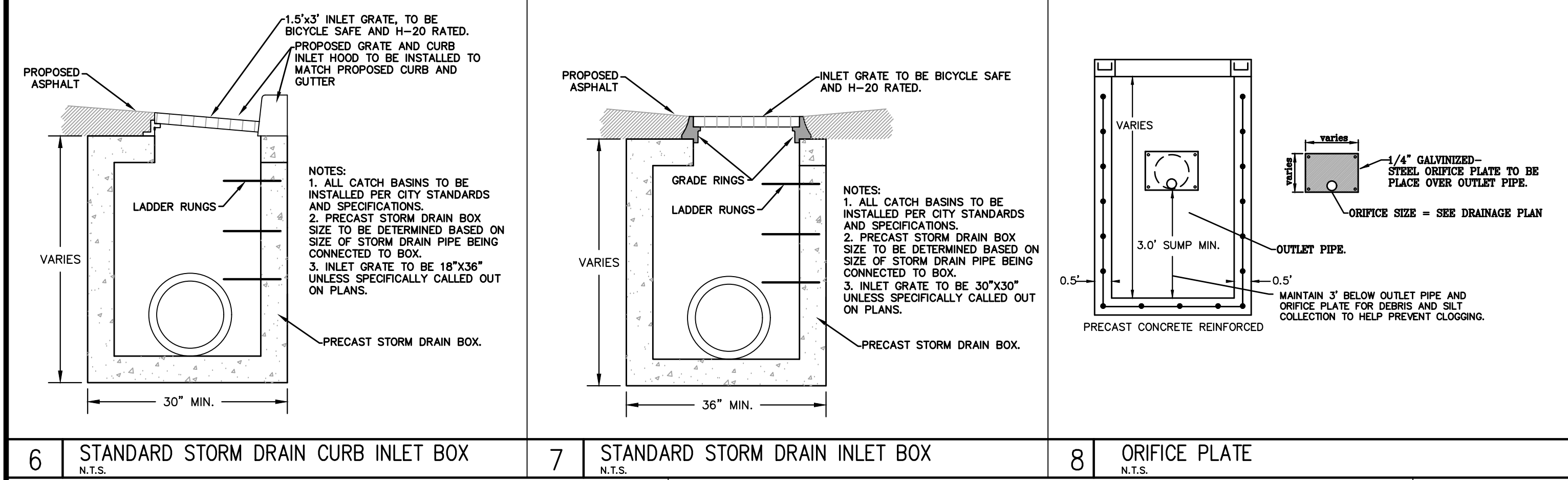
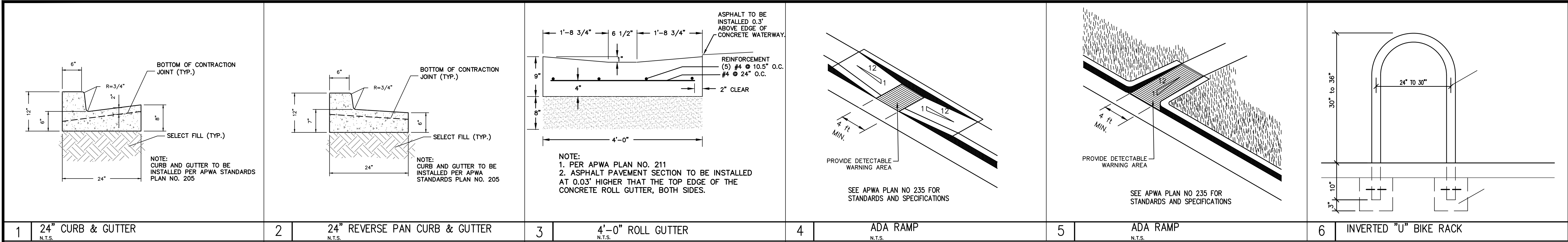


SHEET NO.
C5.3
PROJECT ID: E23-143
DATE: 06/23/25
FILE NAME: PRJ-SJ1
SCALE: 1"=30'

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South Jordan, Utah - 84094-6296

NO.	REVISIONS	BY	DATE
1			

DESIGNER: SDT PROJECT ENGINEER: SDT



ROW	DATE	REVISIONS	BY	DATE
1	06/23/25			

CIVIL ENGINEERING
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South Jordan, Utah - 84094-6296

SUMMIT DATA CENTER

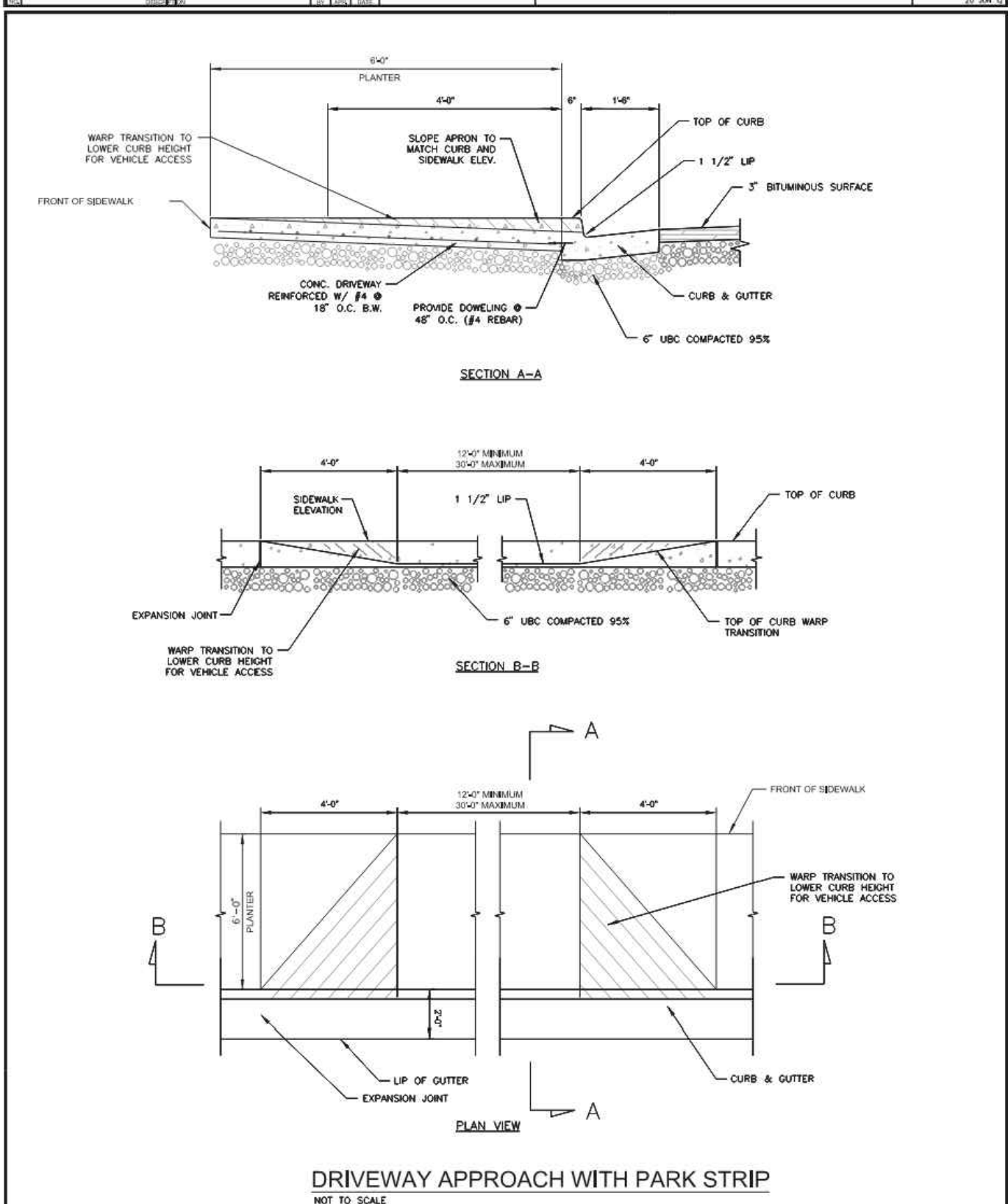
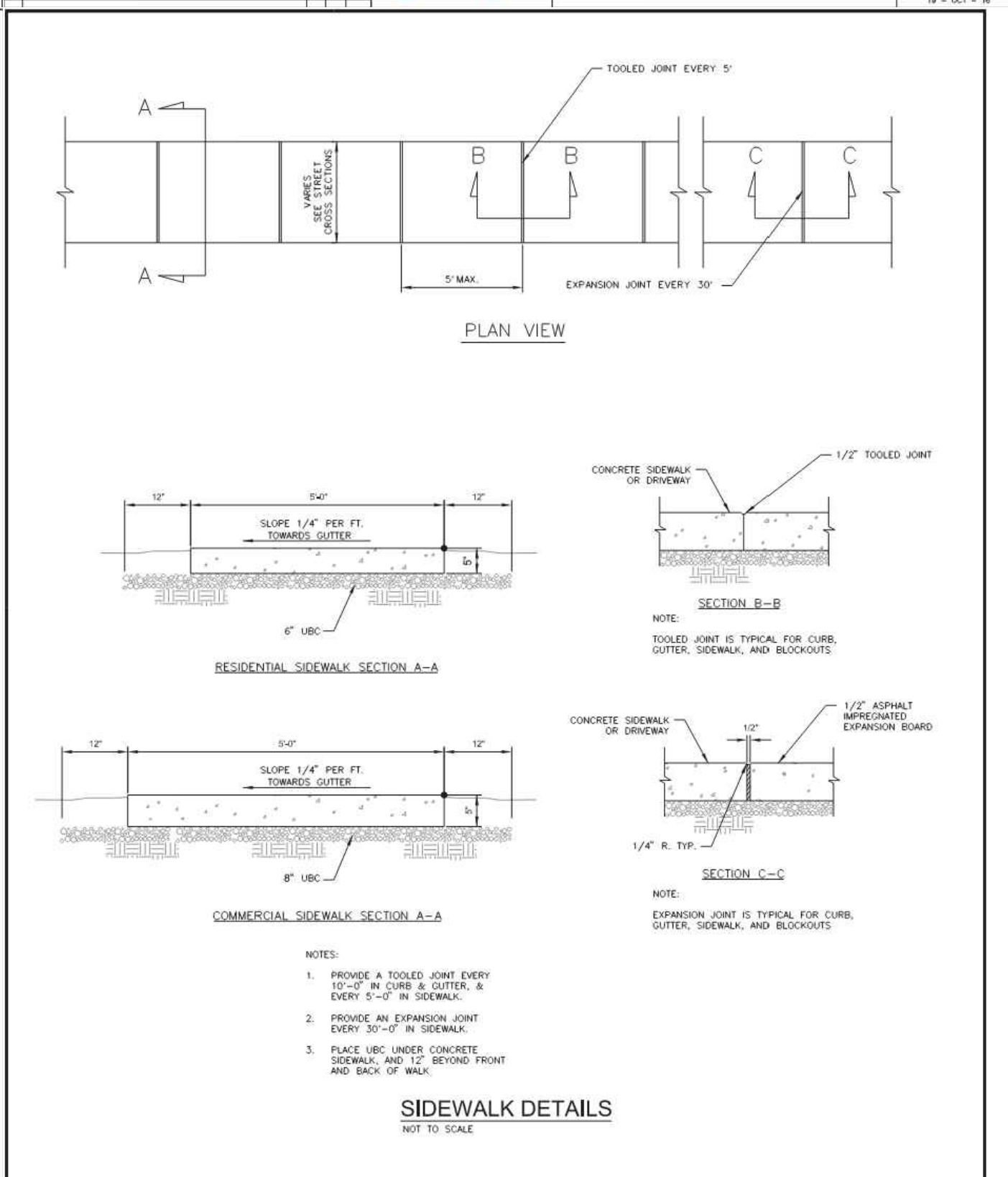
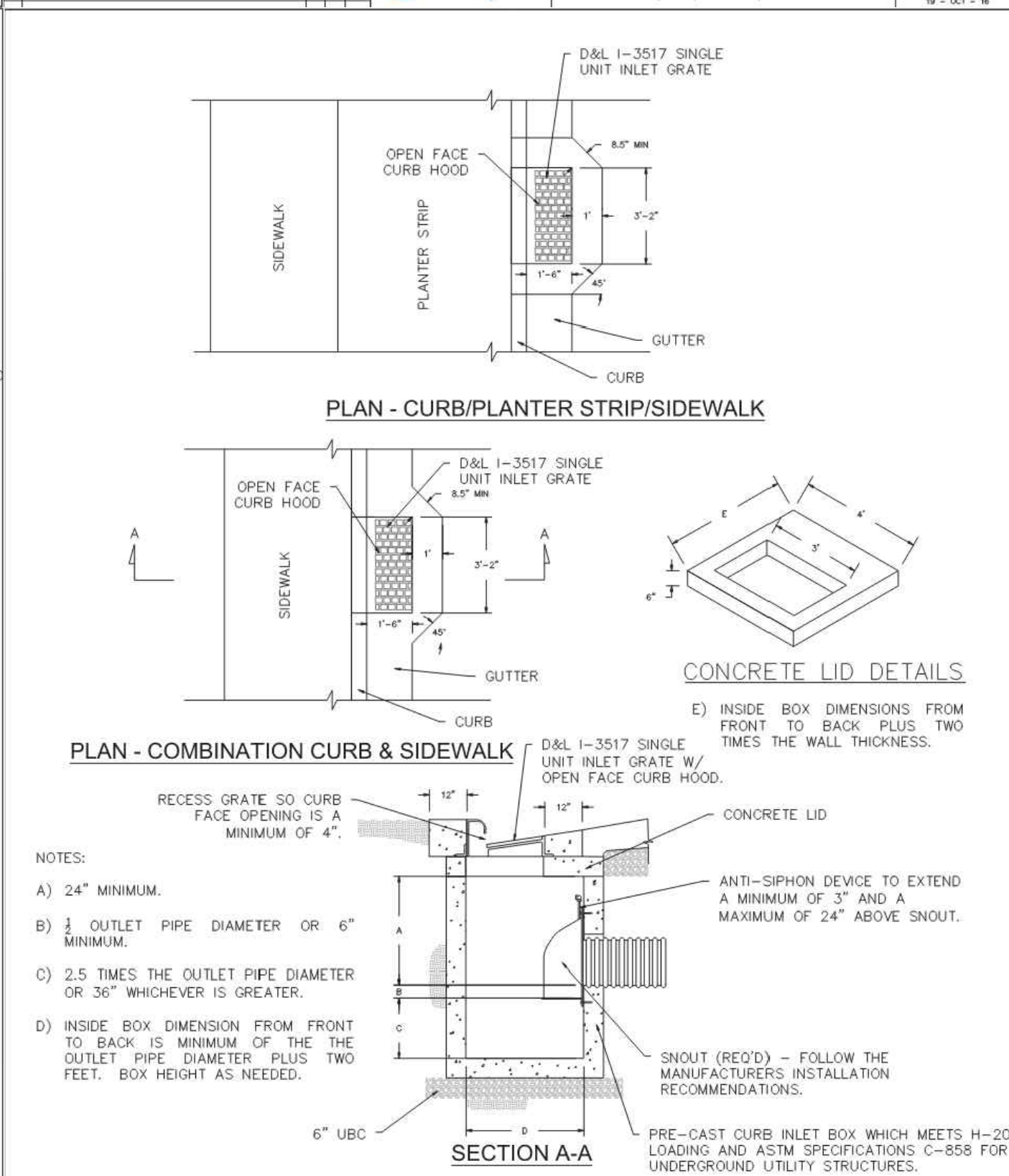
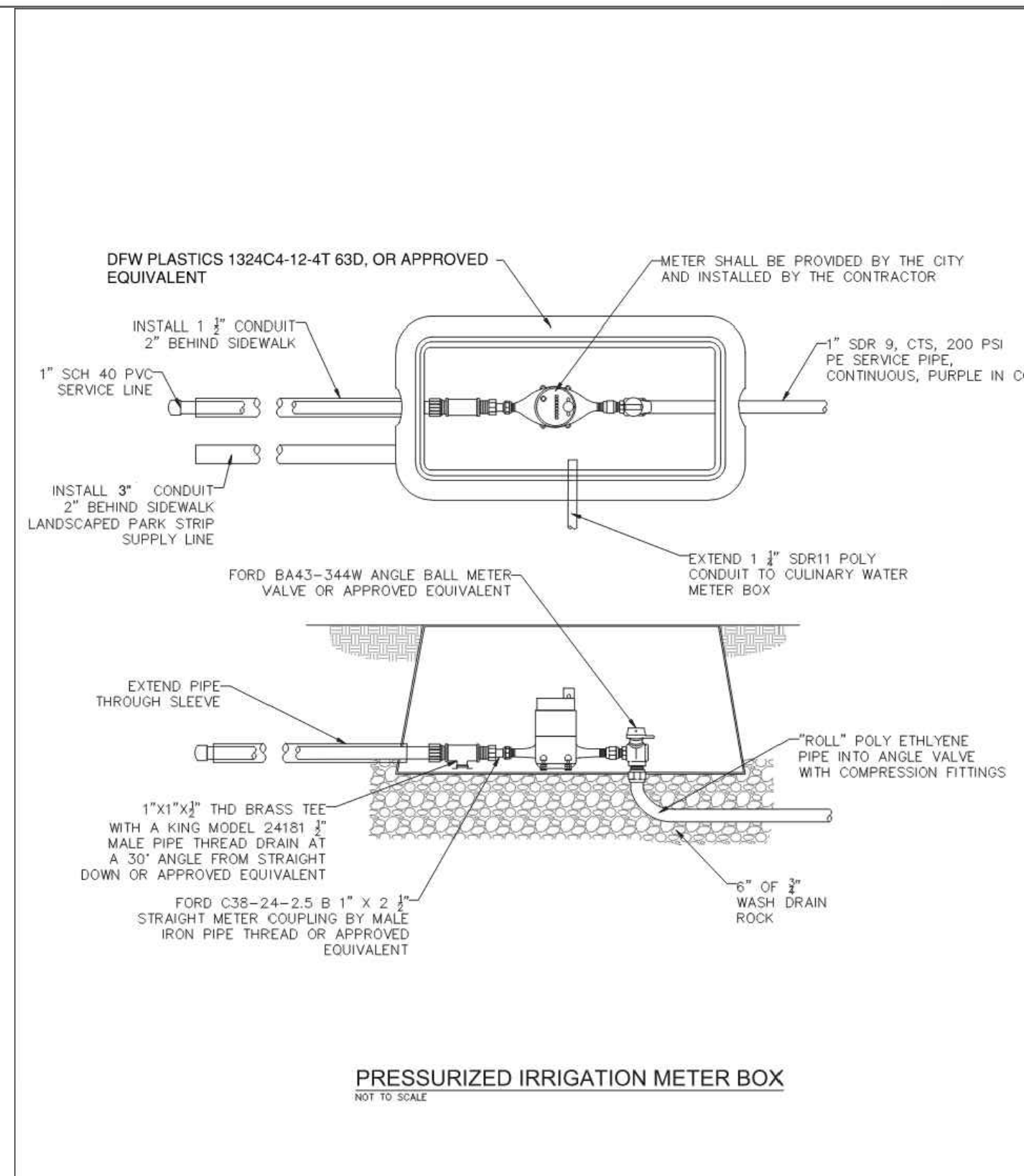
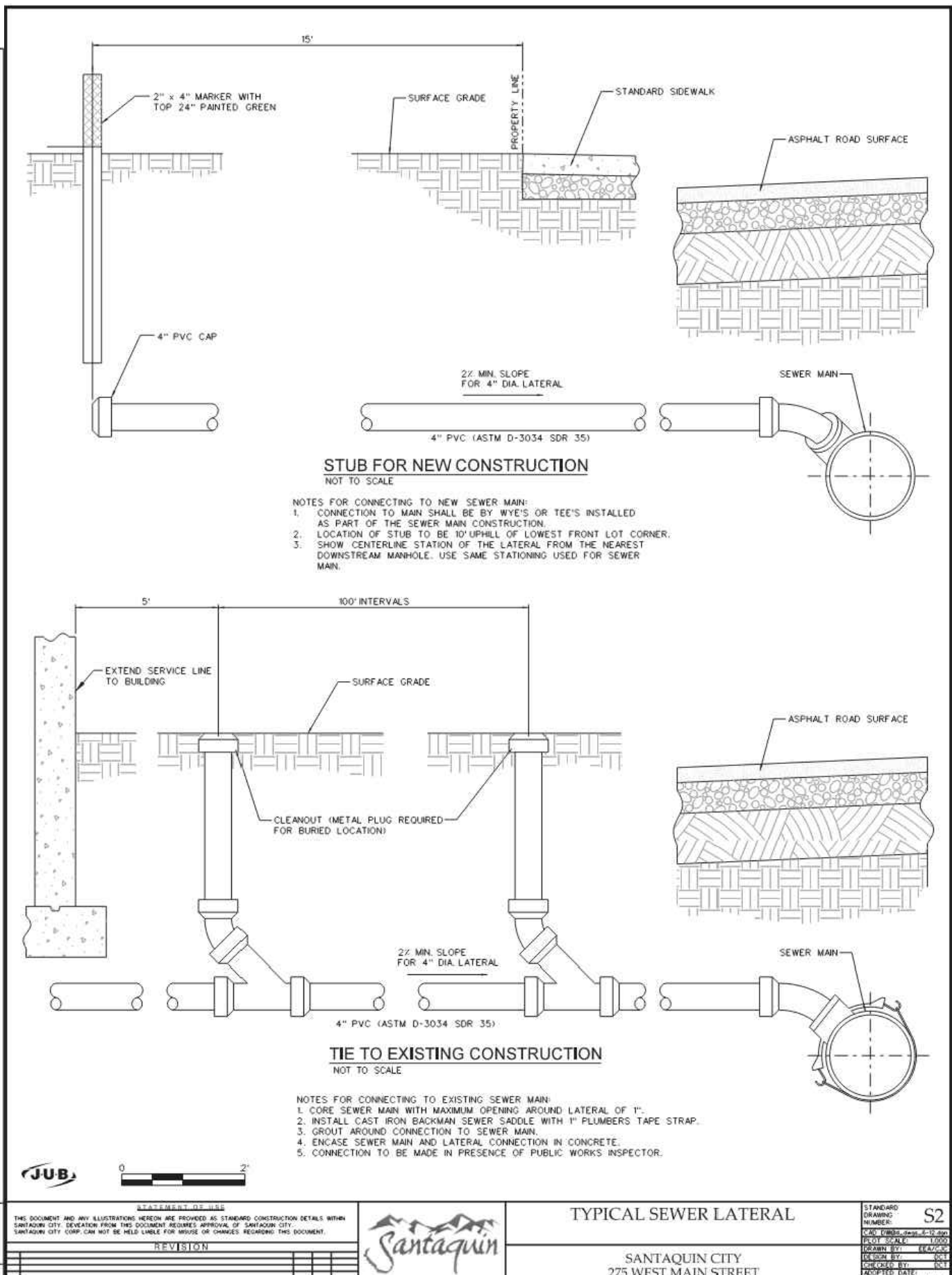
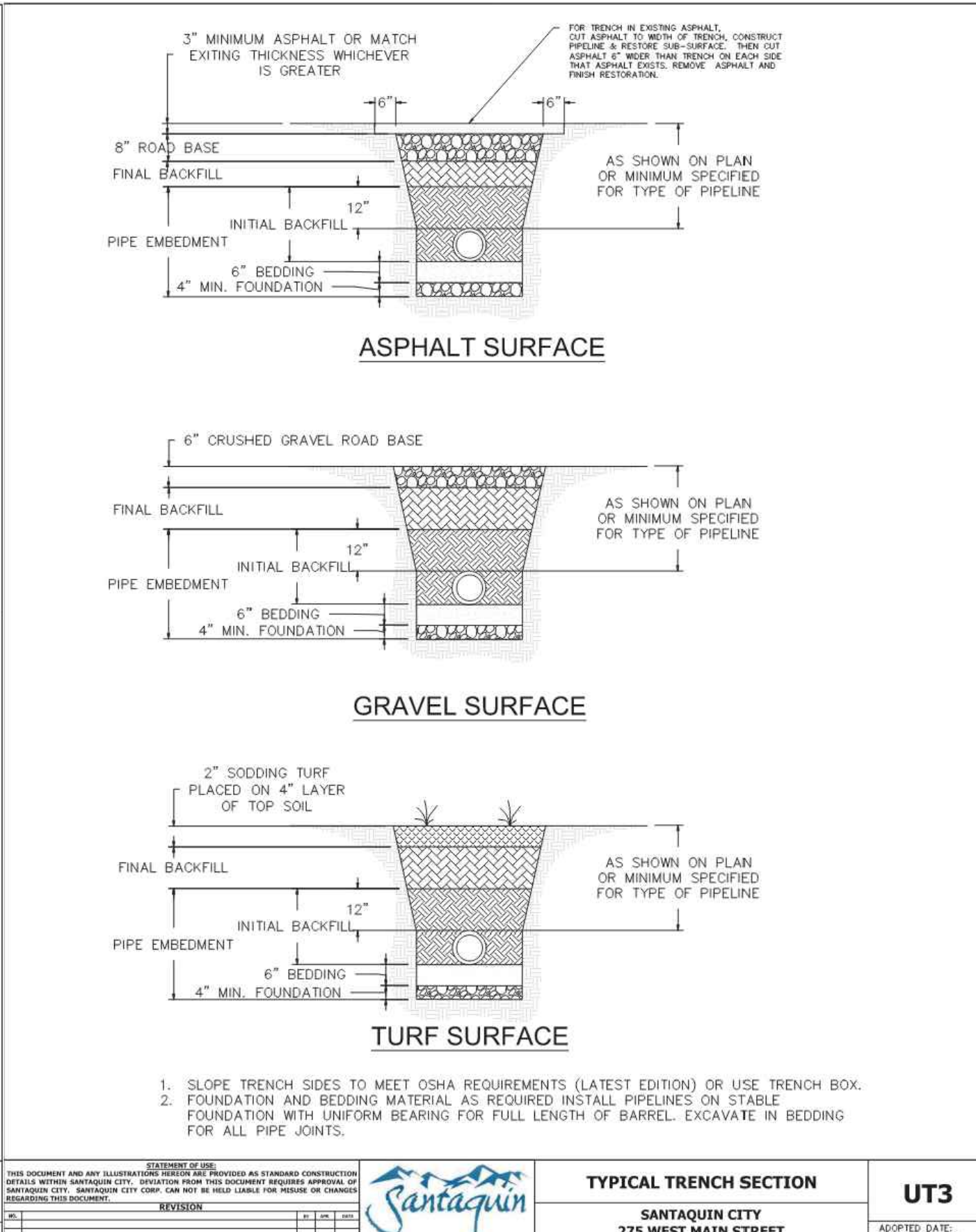
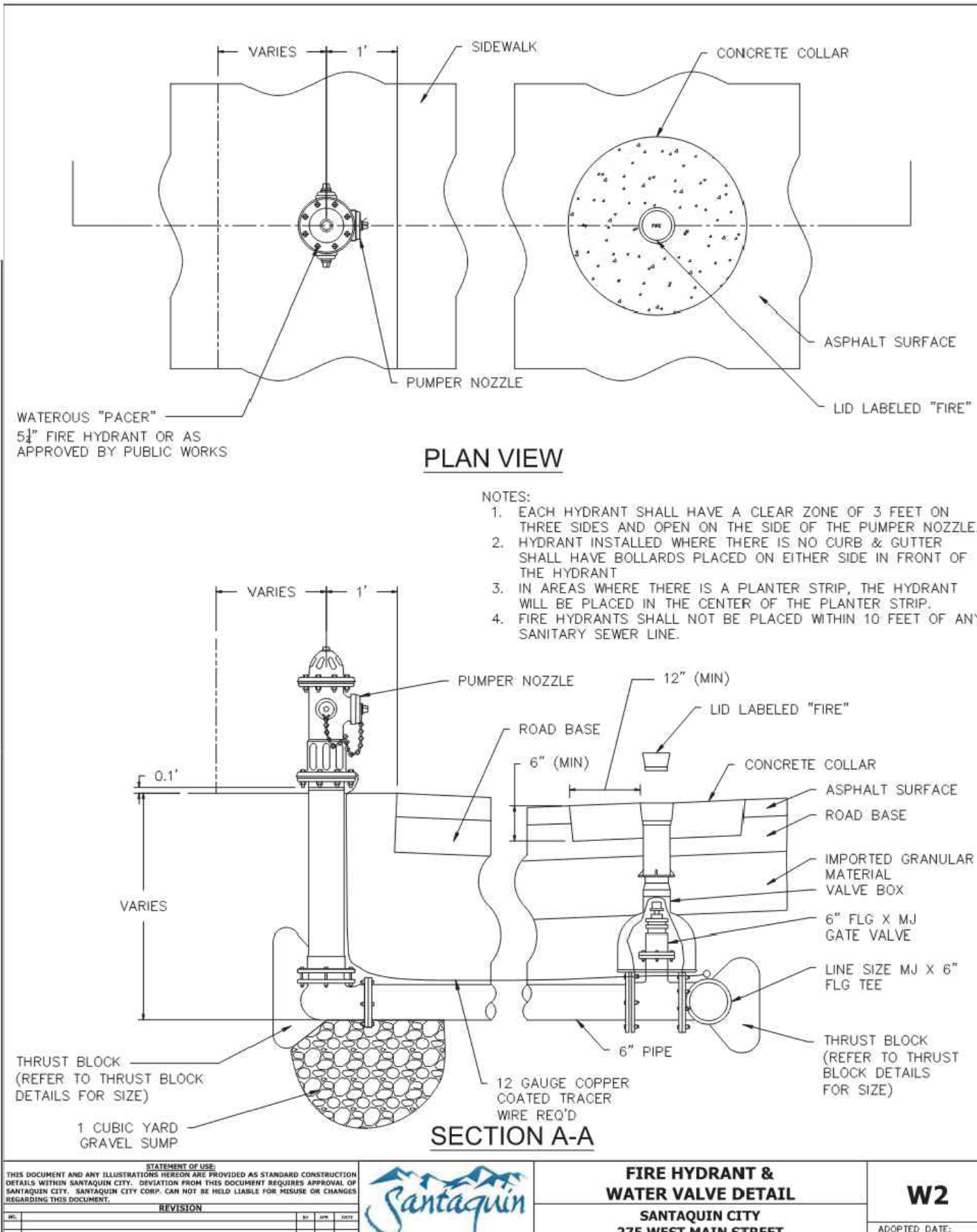
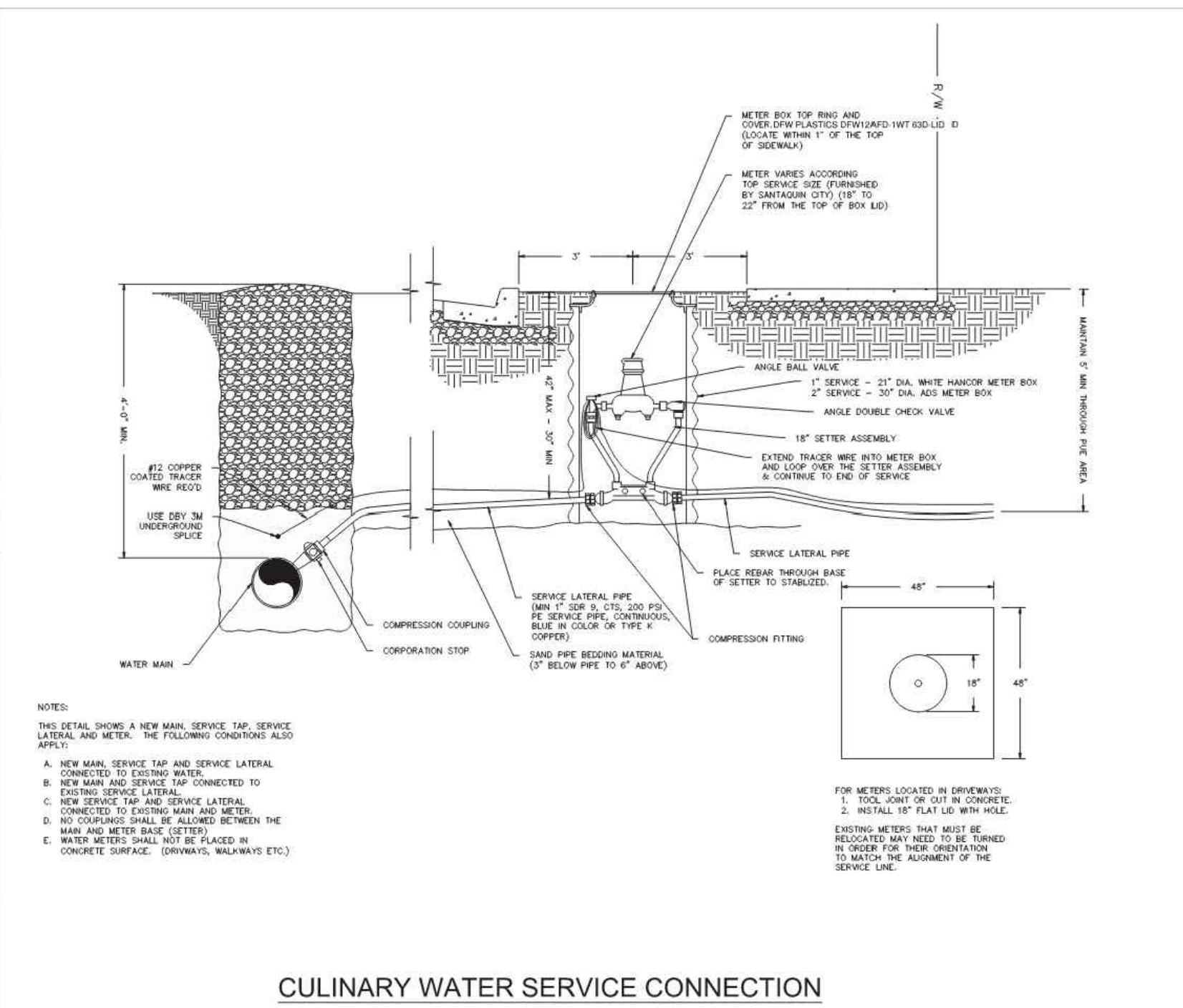
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

DETAIL SHEET

PROFESSIONAL ENGINEER
SCOTT B. THORSEN
No. 354291
06/23/25
STATE OF UTAH

SHEET NO.
C6.0

PROJECT ID: E23-143
DATE: 06/23/25
FILE NAME: PRJ-SJ1
SCALE:

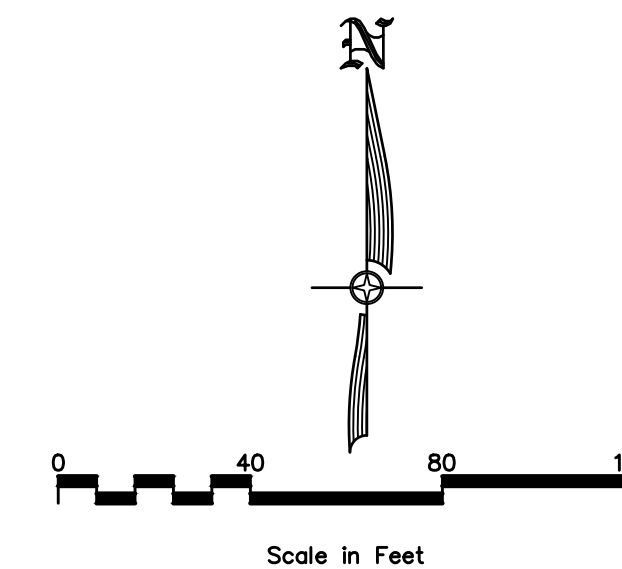
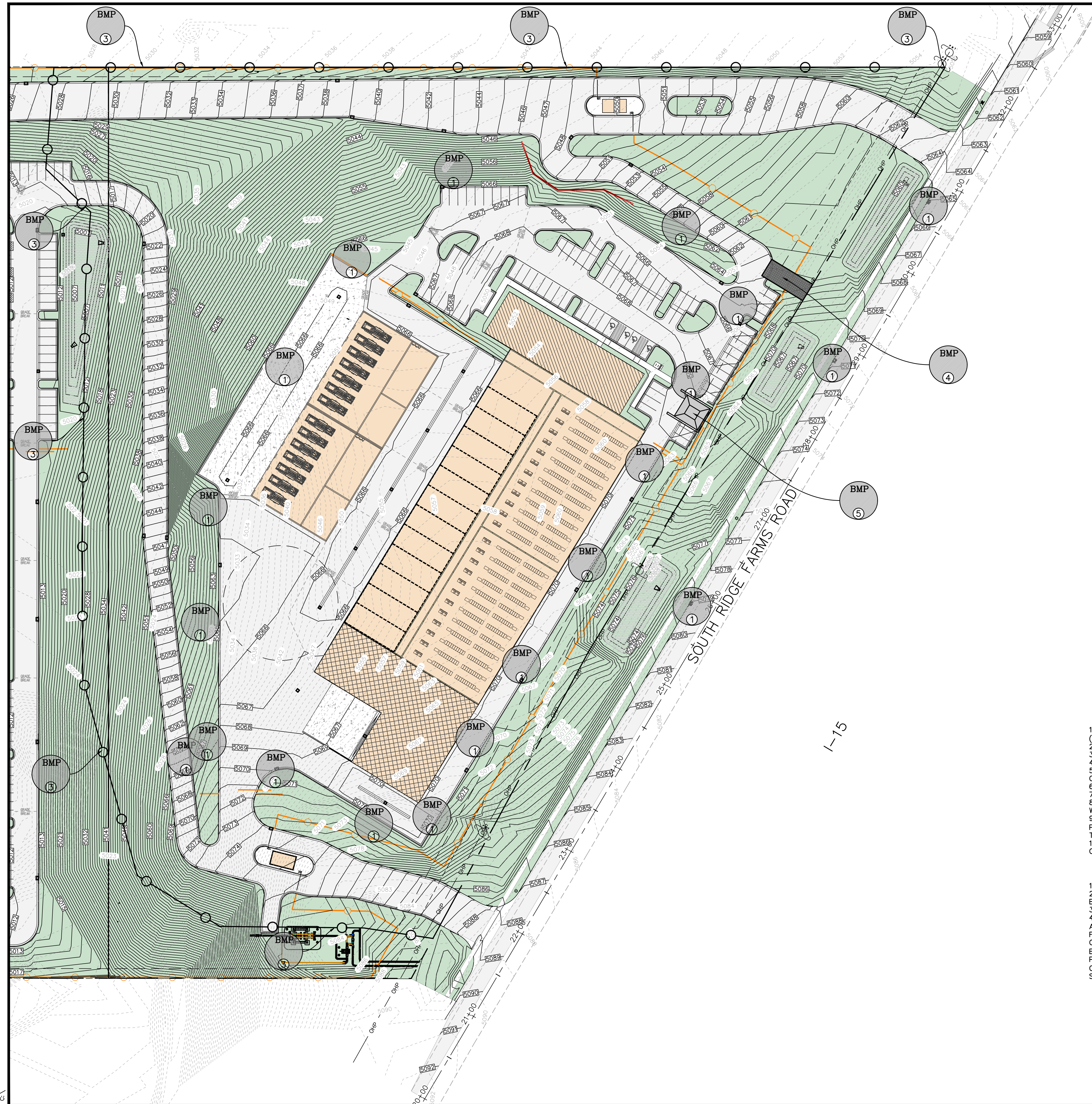


REVISION	DATE	BY	CHKD
1	19-01-18		

REVISION	DATE	BY	CHKD
1	19-01-18		

REVISION	DATE	BY	CHKD
1	19-01-18		

REVISION	DATE	BY	CHKD
1	19-01-18		



SHEET LEGEND

-
- The diagram illustrates a stormwater management system layout with the following components:
- SILT FENCE**: Represented by a horizontal line with a circle in the middle.
 - WHEEL WASH AREA**: Represented by a rectangular area filled with a pattern of small circles.
 - BMP AREA**: Represented by a large circle containing the text "BMP" and a small circle with an "X" inside.
 - CONCRETE WASHOUT**: Represented by a square area with a pattern of small squares.

BMP CALLOUTS

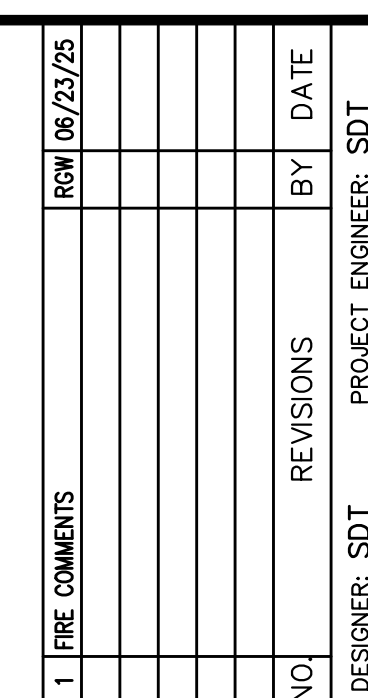
- ① PLACE A SILT FENCE AROUND THE PERIMETER OF THE INLET, ONCE PAVEMENT AND/OR CURB HAS BEEN INSTALLED. PLACE GRAVEL BAGS AROUND THE INLET. GRAVEL BAGS TO BE USED ON PAVED OR CONCRETE SURFACES AND SILT FENCE TO BE USED ON UNIMPROVED SURFACES.
NOTE: IN HIGH TRAFFIC AREAS CONTRACTOR TO USE INSERT FILTER FABRIC. IF INLET HAS CURB OPENING, THE FILTER FABRIC IS TO BE EXTENDED UP TO COVER THE CURB OPENING AND GRAVEL BAGS PLACED IN BUTTRESS AT EACH SIDE OF OPENING TO KEEP FILTER FABRIC SNUG AGAINST CURB WALL.
- ② PLACE GRAVEL BAGS AS NECESSARY TO PREVENT SEDIMENT FROM DRAINING INTO EXISTING CATCH BASINS.
SEE NOTE IN CALLOUT 1.
- ③ INSTALL TYPICAL SILT FENCE, SILT FENCE TO BE INSTALLED PERPENDICULAR TO STORM WATER FLOW. INSTALLATION TO BE DONE SO AS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
NOTE: CONTRACTOR TO USE VEGETATIVE BUFFER AND OR CUT BACK INSTEAD OF SILT FENCE WHERE POSSIBLE.
- ④ CONTRACTOR TO INSTALL A MINIMUM OF 6" DEEP GRAVEL (3" TO 6") OF SUFFICIENT SIZE (MINIMUM OF 50" IN LENGTH AND 20" WIDE) AS TO PROVIDE A WHEEL WASH AREA TO PREVENT THE TRACKING OF MUD OFFSITE. THE LOCATION OF WHEEL WASH MAY VARY FROM LOCATION SHOWN ON PLANS SO AS TO PROVIDE THE BEST PROTECTION AGAINST TRACKING MUD OFFSITE.
CONTRACTOR TO MAINTAIN AND CLEAN WHEEL WASH AREA AS NEEDED TO PREVENT THE TRACKING OF MUD OFFSITE.
- ⑤ CONTRACTOR TO INSTALL CONCRETE WASHOUT AREA. THE LOCATION MAY VARY FROM LOCATION SHOWN ON PLANS.

DURING CONSTRUCTION

1. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED AND MAINTAINED REGULARLY (MINIMUM ONCE A WEEK) AND AFTER EVERY STORM EVENT
2. CONTRACTOR TO KEEP LAND DISTURBANCE TO MINIMUM TO CONTROL RUNOFF FROM THE SITE
3. LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE
4. STAGED SEEDING TO RE-VEGETATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS
5. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION
6. MAINTENANCE OF STREET; STREETS TO BE KEPT CLEAR AND FREE FROM DEBRIS
7. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.
8. CONTRACTOR TO HAVE WATER TRUCK AVAILABLE AS WATER SOURCE FOR WHEEL WASH AREA, OR ALTERNATE WATER SOURCE MAY BE USED IF APPROVED BY CITY.
9. IF GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION ACTIVITIES AND REQUIRES PUMPING OFF THE PROJECT, THE CONTRACTOR IS TO FILTER THE WATER THROUGH THE USE OF SAND BAGS AND/OR GEO FABRIC. THE IS TO BE USED TO BE DISCHARGED INTO THE PUBLIC STORM DRAIN SYSTEM.
10. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON THE SITE DURING ALL CONSTRUCTION ACTIVITY.

POST CONSTRUCTION

1. EROSION CONTROL STRUCTURES MAY BE REMOVED ONCE FINAL LANDSCAPING IS IN PLACE
2. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS BEEN ESTABLISHED
3. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE
4. THE FOLLOWING PRECAUTIONS SHALL BE PERFORMED:
 - A) PERIODIC INSPECTION OF CATCH BASIN SEDIMENT TRAPS AND CLEANING WHEN THE BASIN IS MORE THAN 1/4 FULL. INSPECTION SHALL BE DONE AFTER EVERY MAJOR RAINFALL AND EVERY 6 MONTHS AS A MINIMUM. DISPOSAL OF ANY GREASE OR OIL MUST BE DONE IN ACCORDANCE WITH CURRENT ENVIRONMENTAL REGULATIONS
 - B) LITTER, DEBRIS AND CHEMICALS MUST BE PICKED UP AND KEPT IN A CONTAINED LOCATION TO PREVENT POLLUTION OF STORM WATER DISCHARGE
 - C) PARKING AREAS SHALL BE KEPT FREE FROM AUTOMOBILE FLUIDS THAT COULD WASH INTO THE STORM DRAIN SYSTEM



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BECKSTEAD LANE, SU
South Jordan Utah - 801-949-6296

IONS	BY	DATE
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PROJECT ENGINEER: SDT

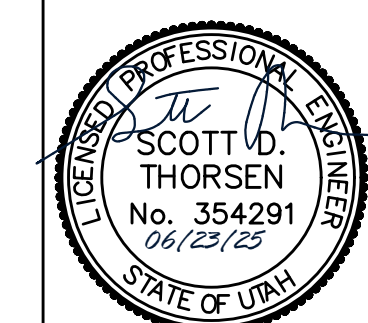
NO.	F
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DESIGNER: SDT

SUMMIT DATA CENTER

JOHNNIE DATA CENTER
SOUTH RIDGE FARMS ROAD, SANTAQUIN UT, 84655

EROSION CONTROL PLAN (SWPPP)



SHEET NO.
C6.0

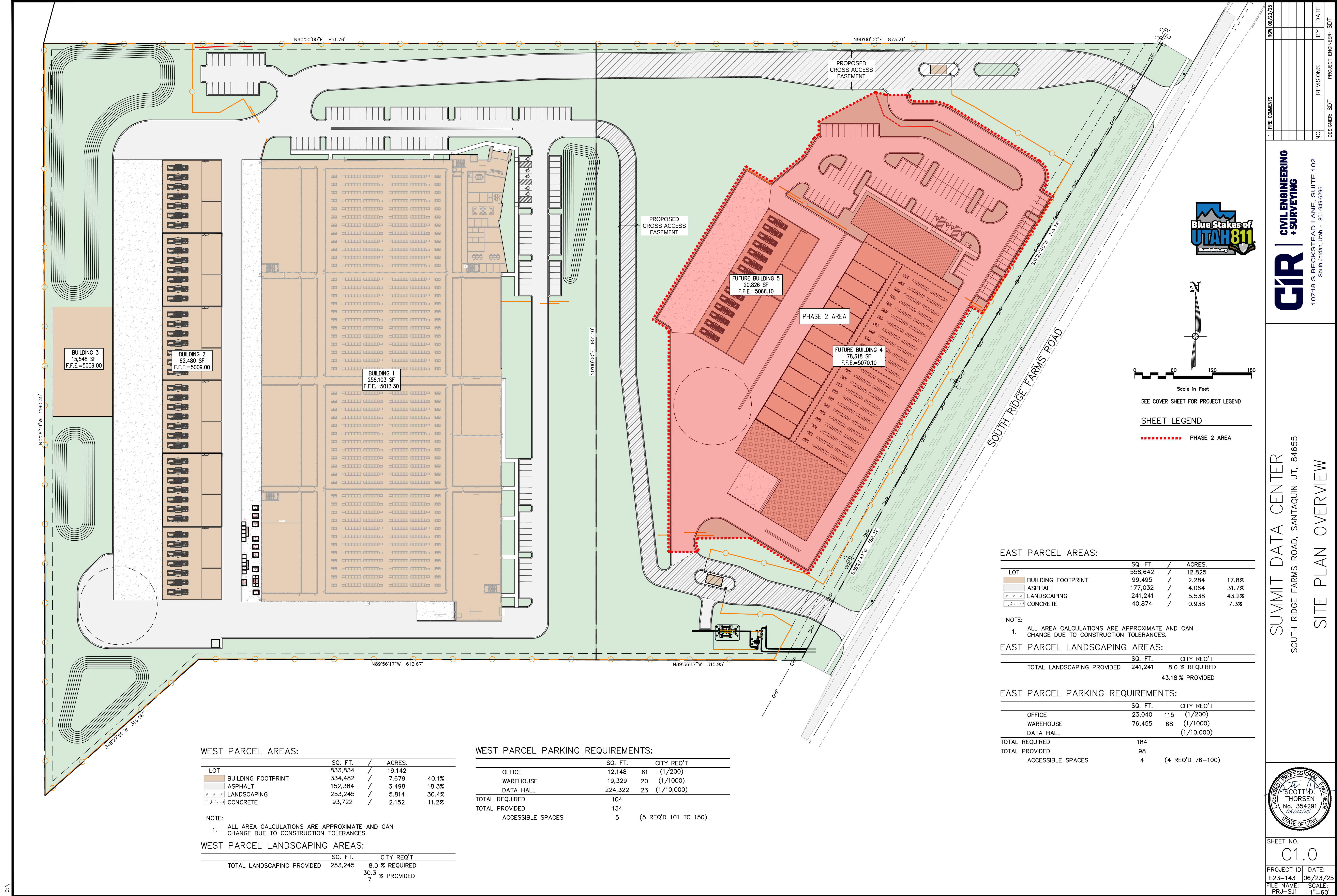
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FILE NAME: PRJ-SJ1	SCALE: 1"=60'

ID	DATE:
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E23-143	06/23/25
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06/23/25





- 1) Type of Construction will determine the required fire flow. Please provide this information

Type IIB Construction. Based on the type of construction and the largest building size of 256,000 square feet, per IFC Table B105.1(2) the required fire flow would be 8,000 GPM. Because the building is fire sprinkled, per Table B105.2 a 75% reduction can be applied, which would result in a required fire flow of 2,000 GPM. We would like to verify that the 2,000 GPM is the design flow we'll need to meet.

- 2) Please list the type of Fire Suppression system planned to be used. This will help determine the needed flow for the suppression system. The use of the Victaulic Vortex System is advised due to the nature of contents, as well as the reduced water needs.

NFPA 13 & NFPA 20. Three systems: Dry 5%, pre-action double interlock 70% and wet 25%

- 3) A second means of access is required to site at all times. This includes during the construction phase, and must be maintained 24/7/365. If gates are to be installed, Siren Controlled access will be required.

Understood. The second means of access will be provided and maintained and if gates are used, Siren Controlled Access will be provided.

- 4) Multiple KNOXBOXs will be required on building due to size. Each Building will require these boxes. Understood. Knoxbox's are called out at the fire riser rooms and any additional knoxbox locations that are required can be provided as part of the building submittal and approval.

- 5) Fire Alarm system required with the suppression system.

Understood, this will be detailed and approved during building submittal.

- 6) Need to provide water line looping to all hydrants. This project will require a second water line to the property to provide looping to ensure the system is not only fed by one line

Understood. A second connection off the 10" main in the road (South Ridge Farms Road) has been added to the plans at the south end of the site and connected to both building loops. All hydrants are now on a looped system. It is also understood that a second, parallel, water main may be required from the 12" main in Summitt Ridge Parkway, running parallel to the 10" main in South Ridge Farms Road, to the site for a second water line connection to the site. We will be doing a fire hydrant flow test to evaluate flows and pressures to determine the second water line size and resulting fire flow being provided.

- 7) Need to add additional FH's and reduce the spacing. Some are greater than 700' apart. No more than 400' spacing is allowed by fire code.

Plans have been updated to provide hydrant spacing that does not exceed 400'.

- 8) All buildings with a suppression system must have a hydrant within 100' of the FDC. This will be accomplished with additional hydrants to the system.

Some hydrants as currently designed, if accessed and used, would restrict additional suppression vehicles from accessing the site and area.

Understood, all FDC locations have a hydrant within 100 feet of the FDC. Also, hydrants have been relocated, where possible, to not be on the opposite side of the drive area to address the restriction of additional suppression vehicles.

