

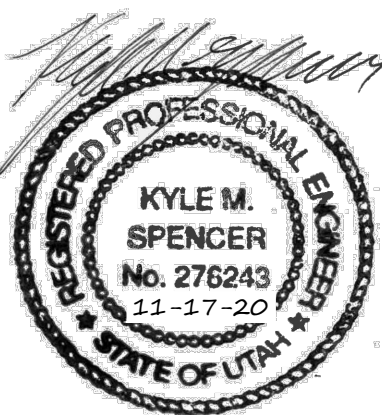
SEWER

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST PAYSON CITY SEWER DEPARTMENT DESIGN STANDARDS & CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS.
2. FINAL APPROVAL AND ACCEPTANCE OF ALL SEWER CONSTRUCTION WILL BE BY THE PAYSON CITY SEWER DEPARTMENT.
3. MANHOLES SHALL BE CONSTRUCTED AS PER PAYSON SEWER DEPARTMENT.
4. SEWER PIPE WITH COVER OF GREATER THAN 4 FEET . SHALL BE BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D-3034.
5. SEWER INSPECTIONS WILL BE BY THE PAYSON CITY SEWER DEPARTMENT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER. THE CONTRACTOR WILL NOTIFY THE PAYSON CITY SEWER DEPARTMENT 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REIMBURSE THE PAYSON CITY SEWER DEPARTMENT AT RATES ESTABLISHED BY THE PAYSON CITY SEWER DEPARTMENT FOR INSPECTION IN EXCESS OF THE NORMAL WORK WEEK, INCLUDING LEGAL HOLIDAYS, AND OVERTIME INSPECTION RATES.
6. STUBOUTS FOR SERVICE LINES SHALL BE MARKED IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER WHEN THIS IS ACCOMPLISHED SO THAT ANY DESTRUCTION OF SAME IS NOT BACK CHARGED TO THE SEWER CONTRACTOR.
7. PRIOR TO FINAL ACCEPTANCE, AFTER ALL UTILITIES ARE IN AND PRIOR TO PAVING, AN AIR TEST SHALL BE CONDUCTED. ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH PAYSON CITY SEWER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS.
8. ALL MANHOLES SHALL BE CONSTRUCTED SO AS TO BE WATER TIGHT AND WITH THE TOP OF CONE LOCATED WITHIN ONE (1) FOOT OF THE FINISHED GRADE. THE SEWER CONTRACTOR SHALL SUPPLY ALL LID ASSEMBLIES AND THE REQUIRED NUMBER OF RISER AND GRADE RINGS. THE SEWER CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF THE TOP OF THE MANHOLE CONE TO ASSURE THAT ALL RING ELEVATIONS MATCH FINAL STREET GRADES MANHOLES SHALL HAVE 12 INCH MAXIMUM GRADE RINGS.
9. THE CONTRACTOR SHALL NOTIFY THE DEVELOPER'S ENGINEER AND THE PAYSON CITY SEWER DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO COMMENCING CONSTRUCTION OF THE SANITARY SEWER. PAYSON CITY SEWER DEPARTMENT SHALL HAVE THE RIGHT TO INSPECT AND REJECT ALL CONSTRUCTION ASSOCIATED WITH SAID SANITARY SEWER CONSTRUCTION.
10. SERVICE STUBOUTS SHALL BE 4" IN DIA. AND WILL BE TO THE POINTS SHOWN ON THE DRAWINGS (5' FROM BLDG.) OR AS MARKED BY THE ENGINEER IN THE FIELD. SERVICE LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH PAYSON CITY SEWER DEPARTMENT STANDARDS. THOSE SEWER SERVICE STUBOUTS BEGINNING AT A MANHOLE IF ANY WILL HAVE THE TOP OF THE FOUR (4) INCH PIPE MATCH THE TOP OF THE EIGHT INCH PIPE. THE SEWER SERVICE MARKER SHALL BE IN PLACE FOR THE FINAL INSPECTION.
11. THE HORIZONTAL SEPARATION OF THE WATER AND SEWER MAINS SHALL BE A MINIMUM OF TEN (10) FEET.
12. GROUNDWATER LEVELS SHALL BE MAINTAINED BELOW THE BOTTOM OF THE TRENCH DURING THE PIPE LAYING AND PIPE JOINING OPERATIONS. BEDDING MATERIAL SHALL CONFORM TO THE PAYSON CITY SEWER DEPARTMENT REQUIREMENTS.
13. THE TRENCH BACKFILL ABOVE THE PIPE ZONE SHALL BE INSPECTED BY THE PAYSON CITY SEWER DEPARTMENT. COMPACTION TESTS FOR SAID BACKFILL SHALL BE CONDUCTED AND THE RESULTS SUBMITTED TO THE PAYSON CITY SEWER DEPARTMENT FOR FINAL ACCEPTANCE. CONTRACTOR IS RESPONSIBLE FOR ALL COMPACTION COSTS.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPACTION TESTING IN ACCORDANCE WITH THE UTAH PUBLIC WORKS STANDARDS CONSTRUCTION, PAYSON CITY AND PAYSON CITY SEWER DEPARTMENT.
15. ALL SEWER TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE PAYSON CITY SEWER DEPARTMENT SPECIFICATIONS. THE SEWER PIPE BEDDING SHALL BE IN ACCORDANCE WITH PAYSON CITY SEWER DEPARTMENT SPECIFICATIONS.
16. THE CONTRACTOR SHALL LEAVE THE EXCAVATION FOR THE UPSTREAM END OF ALL SERVICE LINES OPEN FOR FIELD VERIFICATION OF THE INVERT ELEVATION BY THE INSPECTOR. THE CONTRACTOR SHALL NOT BACKFILL THE ENDS OF SERVICE LINES UNTIL HE HAS OBTAINED APPROVAL FROM THE INSPECTOR.
17. THE CONTRACTOR SHALL PROVIDE PAYSON CITY SEWER DEPARTMENT INSPECTOR WITH "CUT SHEETS" FOR THE STAKING PROVIDED FOR CONSTRUCTION OF THE SANITARY SEWER. "CUT SHEETS" SHALL BE PROVIDED TO THE PAYSON CITY SEWER DEPARTMENT PRIOR TO CONSTRUCTION. ADDITIONALLY, TEMPORARY BENCH MARKS MUST BE PROVIDED TO THE PAYSON CITY SEWER DEPARTMENT, INSPECTION DEPARTMENT, BY THE OWNER, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
18. THE CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER IN ACCORDANCE WITH THE STAMPED PLANS APPROVED BY THE PAYSON CITY SEWER DEPARTMENT. THESE PLANS WILL BE PROVIDED TO THE CONTRACTOR BY THE PROJECT INSPECTOR PRIOR TO CONSTRUCTION. WORK SHALL NOT BE DONE WITHOUT THE CURRENT SET OF APPROVED PLANS.
19. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES & OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY NEW SEWER LINES.
20. MINIMUM OF FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.

ROADWAY/PARKING/STORM DRAIN

1. ALL ROADWAYS CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF THE PAYSON CITY SPECIFICATIONS. ALL IMPROVEMENTS WITHIN UDOT S.R. 198 SHALL REQUIRE UDOT APPROVAL AND MEET UDOT SPECIFICATIONS.
2. WHEN DISCREPANCIES OCCUR BETWEEN PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY NORTHERN ENGINEERING. UNTIMELY NOTIFICATION SHALL NEGATE ANY CONTRACTORS CLAIM FOR ADDITIONAL COMPENSATION.
3. INSPECTION OF WORK WITHIN THE PUBLIC RIGHT-OF WAY SHALL BE BY PAYSON CITY.
4. ALL TOPS OF VALVE BOXES AND SEWER MANHOLES SHALL BE SET FLUSH WITH THE SLOPE OF THE FINISHED STREET GRADES. THE ROADWAY CONTRACTOR SHALL INSTALL AND ADJUST ALL SPACERS, GRADE RINGS, MANHOLE RINGS AND LIDS. CONCRETE COLLARS SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT A.P.W.A. STANDARDS & SPECIFICATIONS. CONTRACTOR SHALL NOTIFY PAYSON CITY AND THE ENGINEER 24 HOURS PRIOR TO POURING CONCRETE COLLARS (STANDARD PLAN 343).
5. ALL COSTS OF TESTING & RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE THE CONTRACTOR RESPONSIBILITY.
6. ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
7. ALL STORM DRAINAGE APPURTENANCES SHALL BE INSPECTED AND CERTIFIED BY PAYSON CITY.
8. ALL WORK SHALL BE INSPECTED BY THE CITY OF PAYSON.
9. ALL MATERIAL PLACED AS FILL OR BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH CURRENT A.P.W.A. STANDARD & SPECIFICATION.
10. OVER EXCAVATION AND ADDITIONAL GRANULAR BACKFILL MAY BE REQUIRED IN HIGH GROUNDWATER AREAS WHICH ARE TO BE DETERMINED BY PAYSON CITY.
11. CURB, GUTTER, AND SIDEWALK SHALL BE POURED MONOLITHICALLY. SLOPE THE SIDEWALK TOWARD THE CURB AT 1/4" PER FOOT.
12. UNTREATED BASE COURSE: PROVIDE MATERIAL SPECIFIED IN APWA SECTION 32 11 23. ~~DO NOT USE GRAVEL OR SEWER ROCK~~ . PLACE PER APWA SECTION 32 05 10. COMPACT PER APWA SECTION 31 23 26 TO A MODIFIED PROCTOR DENSITY OF 95-PERCENT OR GREATER. MAXIMUM LOOSE LIFT THICKNESS IS 8-INCHES.

COUNTY BENCHMARK & ELEVATION
SOUTHWEST CORNER SECTION 10
TOWNSHIP 9 SOUTH, RANGE 2 EAST
S.L.B.&M.
N. 7,183,894.01
E. 1,581,302.05
ELEV. 4603.68'
NAD 83



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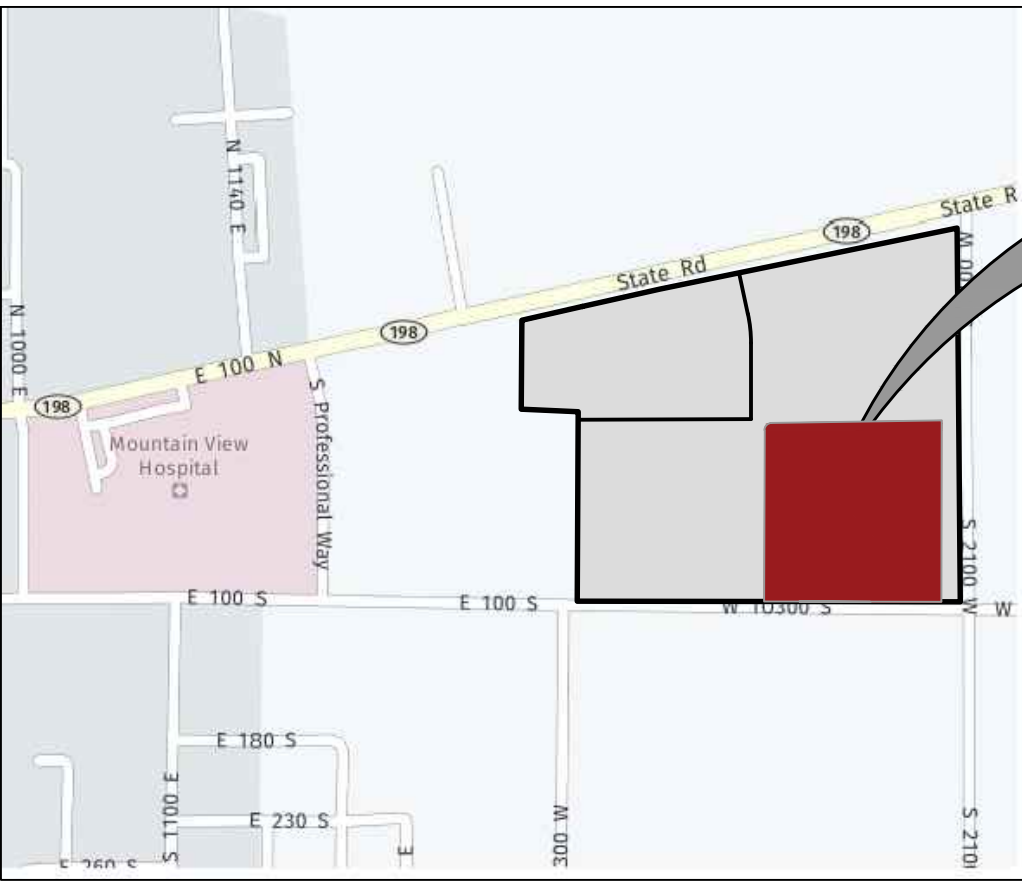
DEVELOPER
JEFF SOUTHARD
801-473-8660

RESIDENCE AT SOUTH HAVEN FARMS

1449 EAST 100 SOUTH
BUILDING A-1
PAYSON CITY, UTAH 84651

-INDEX OF PLAN SHEETS-

SHEET	DESCRIPTION
1	COVER SHEET & NOTES
2	SITE PLAN
3	UTILITY & INDEX SHEET
4	LIGHTING & SIGNING PLAN
5	GRADING & DRAINAGE PLAN
PS-01	PUBLIC SAFETY
ADD-01	APARTMENTS ADDRESSING PLAN
PCP-01	PEDESTRIAN CIRCULATION PLAN
DT-01	DETAILS SHEET
DT-02	DETAILS SHEET
ECP-01	EROSION CONTROL PLAN
ECP-02	EROSION CONTROL PLAN DETAILS

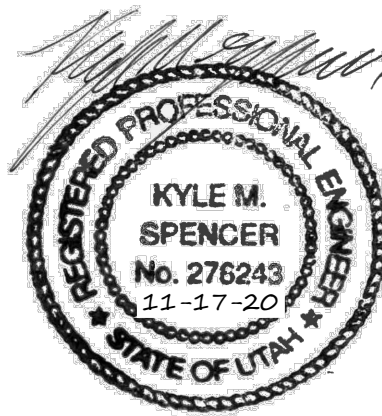




BUILDING SQ. FT.
BUILDING 1 = 34,438 S.F. (3 STORY)
BUILDING 2 = 29,515 S.F. (3 STORY)
BUILDING HEIGHT = 38'9"

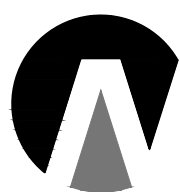
RESIDENCE AT SOUTH HAVEN FARMS
BUILDING TYPE = S-A, R-2
TOTAL UNITS = 210
LOT 3 SOUTH HAVEN FARMS (REVISED) = 369,482 sq.ft. OR 8.48 acres
CLUBHOUSE AREA = 38265 sq.ft. OR 0.88 acres
OVERALL AREA = LOT 3 & CLUBHOUSE = 407747 OR 9.36 acres
BUILDING AREA = 98,148 sq.ft. OR 2.25 acres
LOT 3 OPEN/Common AREA = 79,601 sq.ft. 1.83 acres
CLUBHOUSE OPEN/Common AREA = 34666 sq.ft. OR 0.80 acres
1500 EAST OPEN/Common AREA = 16441 sq.ft. OR 0.37 acres
TOTAL OPEN SPACE AREA = 130708 sq.ft. OR 3.00 acres = 32.06%
PARKING OPEN SPACES = 271
PARKING COVERED = 158
PARKING GARAGE = 84
PARKING ADA VAN ACCESS = 3
PARKING ADA = 9
TOTAL PARKING SPACES = 525
PARKING PER UNIT = 2.50

CONST. TYPE E CURB & GUTTER
CONST. REVERSED LIP CURB & GUTTER
FUTURE CURB. & GUTTER



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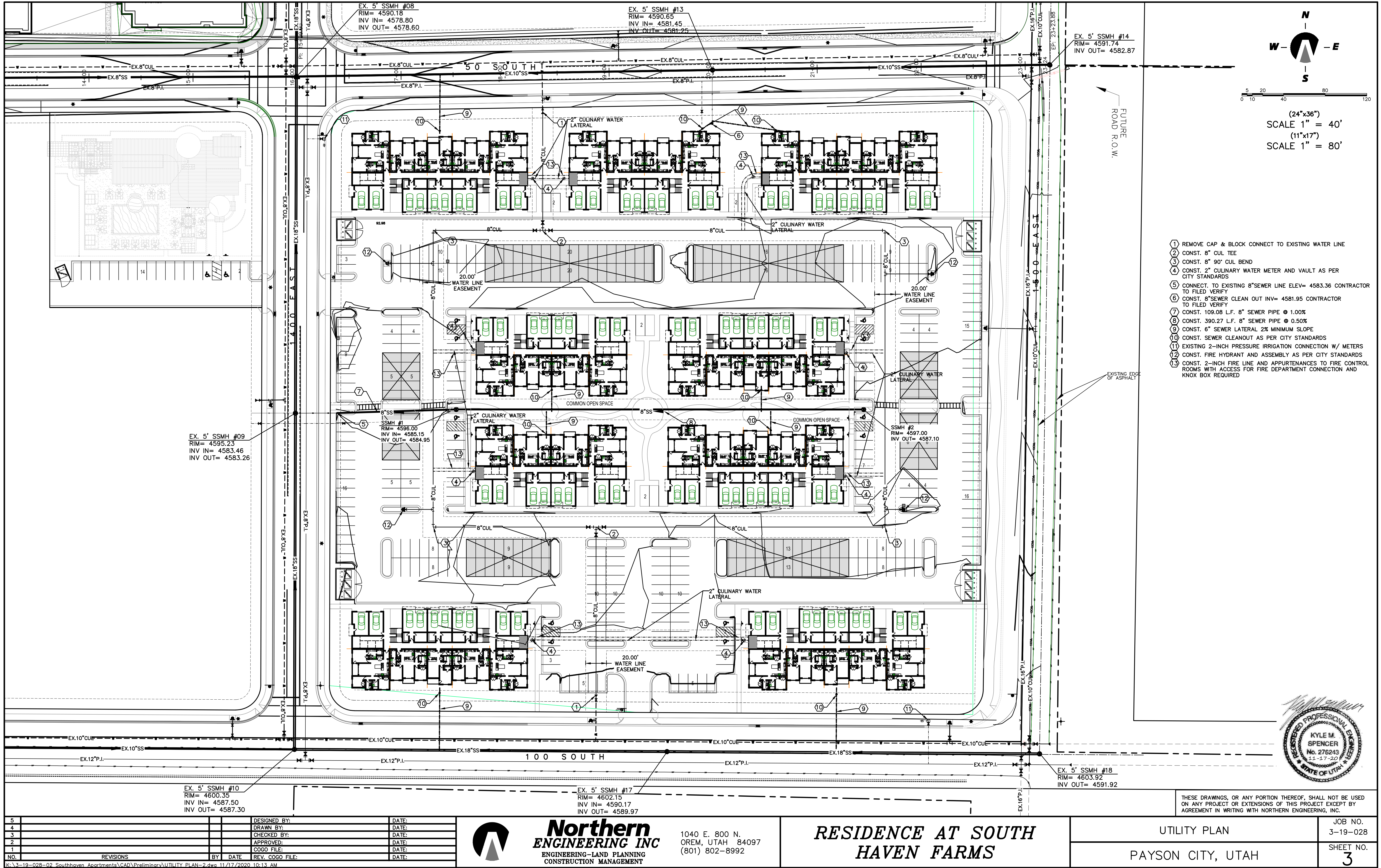
**Northern
ENGINEERING INC**
ENGINEERING-LAND PLANNING
CONSTRUCTION MANAGEMENT

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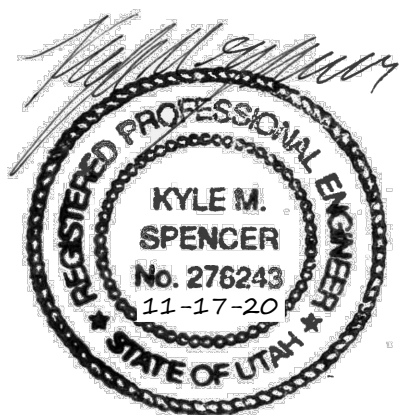
RESIDENCE AT SOUTH HAVEN FARMS

SITE PLAN
PAYSON CITY, UTAH

JOB NO.
3-19-028
SHEET NO.
2



- 1 REMOVE CAP & BLOCK CONNECT TO EXISTING WATER LINE
- 2 CONST. 8" CUL TEE
- 3 CONST. 8" 90° CUL BEND
- 4 CONST. 2" CULINARY WATER METER AND VAULT AS PER CITY STANDARDS
- 5 CONNECT TO EXISTING 8" SEWER LINE ELEV= 4583.36 CONTRACTOR TO FILED VERIFY
- 6 CONST. 8" SEWER CLEAN OUT INV= 4581.95 CONTRACTOR TO FILED VERIFY
- 7 CONST. 109.08 L.F. 8" SEWER PIPE @ 1.00%
- 8 CONST. 390.27 L.F. 8" SEWER PIPE @ 0.50%
- 9 CONST. 6" SEWER LATERAL 2% MINIMUM SLOPE
- 10 CONST. SEWER CLEANOUT AS PER CITY STANDARDS
- 11 EXISTING 2-INCH PRESSURE IRRIGATION CONNECTION W/ METERS
- 12 CONST. FIRE HYDRANT AND ASSEMBLY AS PER CITY STANDARDS
- 13 CONST. 2-INCH FIRE LINE AND APPURTENANCES TO FIRE CONTROL ROOMS WITH ACCESS FOR FIRE DEPARTMENT CONNECTION AND KNOX BOX REQUIRED



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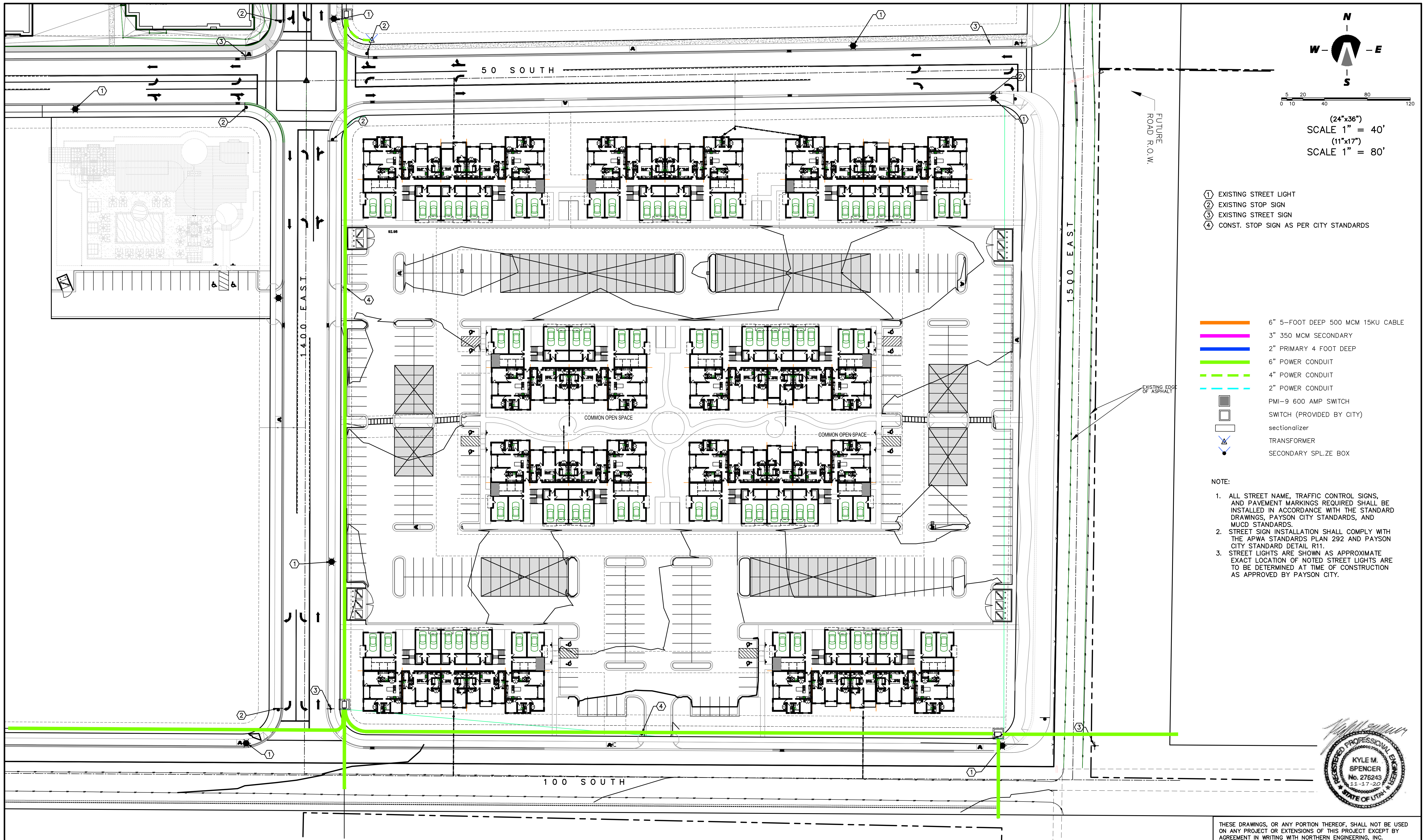


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RESIDENCE AT SOUTH HAVEN FARMS

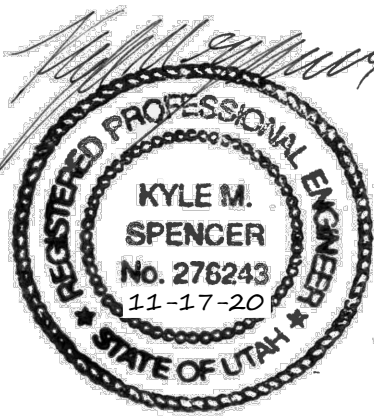
UTILITY PLAN	JOB NO. 3-19-028
PAYSON CITY, UTAH	SHEET NO. 3



- ① EXISTING STREET LIGHT
② EXISTING STOP SIGN
③ EXISTING STREET SIGN
④ CONST. STOP SIGN AS PER CITY STANDARDS

- 6" 5-FOOT DEEP 500 MCM 15KV CABLE
3" 350 MCM SECONDARY
2" PRIMARY 4 FOOT DEEP
6" POWER CONDUIT
4" POWER CONDUIT
2" POWER CONDUIT
PMI-9 600 AMP SWITCH
SWITCH (PROVIDED BY CITY)
sectionalizer
TRANSFORMER
SECONDARY SPL. ZE BOX

- NOTE:
1. ALL STREET NAME, TRAFFIC CONTROL SIGNS, AND PAVEMENT MARKINGS REQUIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS, PAYSON CITY STANDARDS, AND MUCD STANDARDS.
2. STREET SIGN INSTALLATION SHALL COMPLY WITH THE APWA STANDARDS PLAN 292 AND PAYSON CITY STANDARD DETAIL R11.
3. STREET LIGHTS ARE SHOWN AS APPROXIMATE EXACT LOCATION OF NOTED STREET LIGHTS ARE TO BE DETERMINED AT TIME OF CONSTRUCTION AS APPROVED BY PAYSON CITY.



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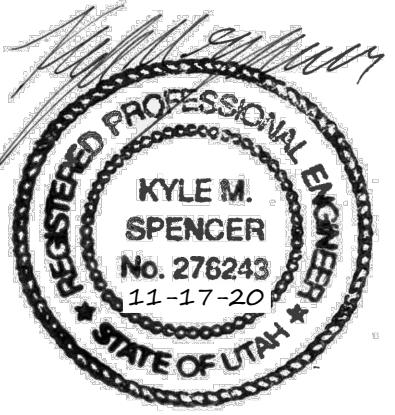
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RESIDENCE AT SOUTH
HAVEN FARMS

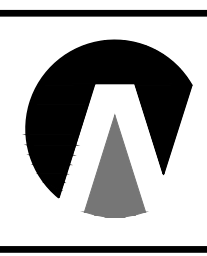
LIGHTING & SIGNING PLAN	JOB NO. 3-19-028
PAYSON CITY, UTAH	SHEET NO. 4



NOTE:
REFER TO STORM DRAINAGE REPORT AND
CALCULATIONS FOR STORM WATER STORAGE
REQUIREMENTS.



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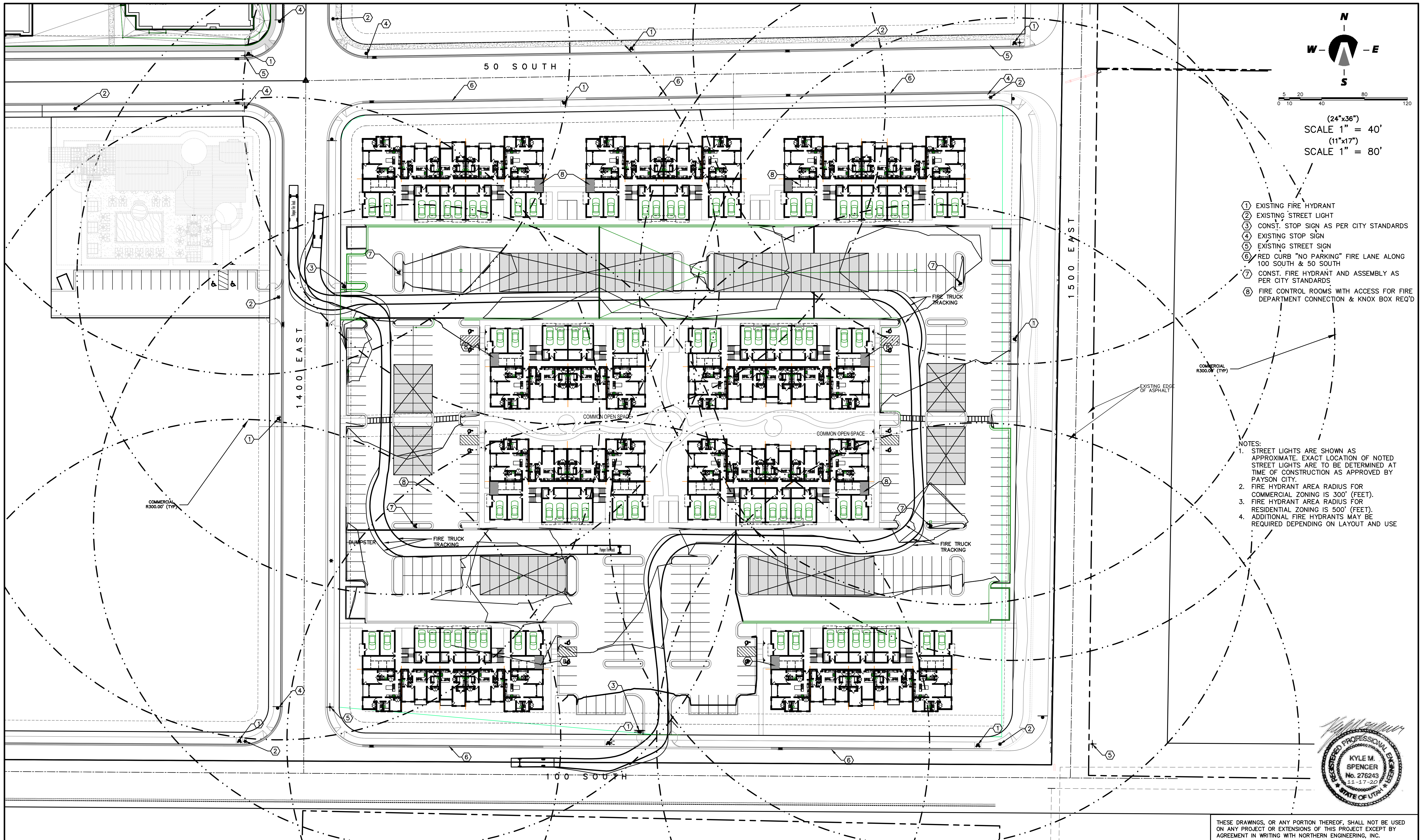
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**RESIDENCE AT SOUTH
HAVEN FARMS**

GRADING & DRAINAGE	JOB NO. 3-19-028
PAYSON CITY, UTAH	SHEET NO. 5

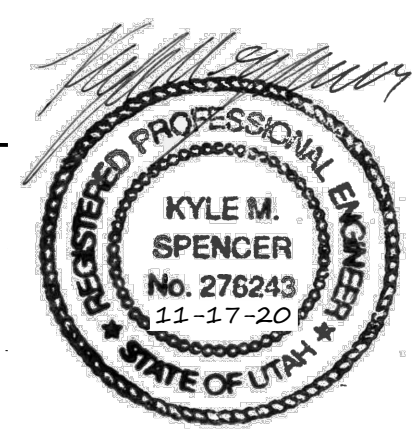
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- 1 EXISTING FIRE HYDRANT
- 2 EXISTING STREET LIGHT
- 3 CONST. STOP SIGN AS PER CITY STANDARDS
- 4 EXISTING STOP SIGN
- 5 EXISTING STREET SIGN
- 6 RED CURB "NO PARKING" FIRE LANE ALONG 100 SOUTH & 50 SOUTH
- 7 CONST. FIRE HYDRANT AND ASSEMBLY AS PER CITY STANDARDS
- 8 FIRE CONTROL ROOMS WITH ACCESS FOR FIRE DEPARTMENT CONNECTION & KNOX BOX REQ'D

NOTES:

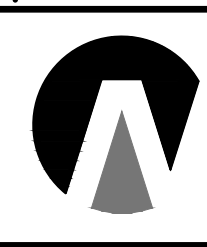
1. STREET LIGHTS ARE SHOWN AS APPROXIMATE. EXACT LOCATION OF NOTED STREET LIGHTS ARE TO BE DETERMINED AT TIME OF CONSTRUCTION AS APPROVED BY PAYSON CITY.
2. FIRE HYDRANT AREA RADIUS FOR COMMERCIAL ZONING IS 300' (FEET).
3. FIRE HYDRANT AREA RADIUS FOR RESIDENTIAL ZONING IS 500' (FEET). ADDITIONAL FIRE HYDRANTS MAY BE REQUIRED DEPENDING ON LAYOUT AND USE



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RESIDENCE AT SOUTH HAVEN FARMS

PUBLIC SAFETY PLAN	JOB NO. 3-19-028
PAYSON CITY, UTAH	SHEET NO. 6

Provide information on address detail for each building.



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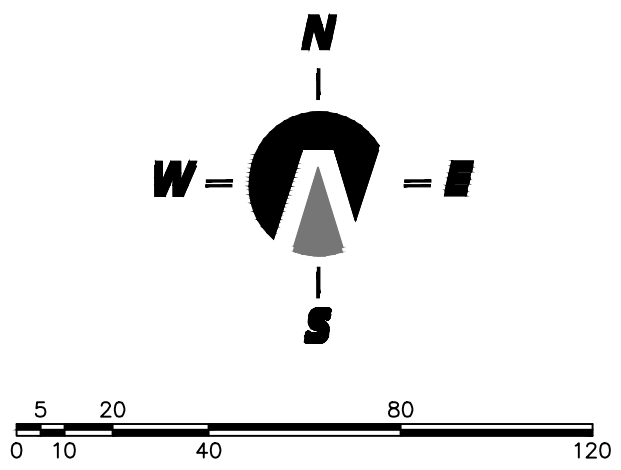
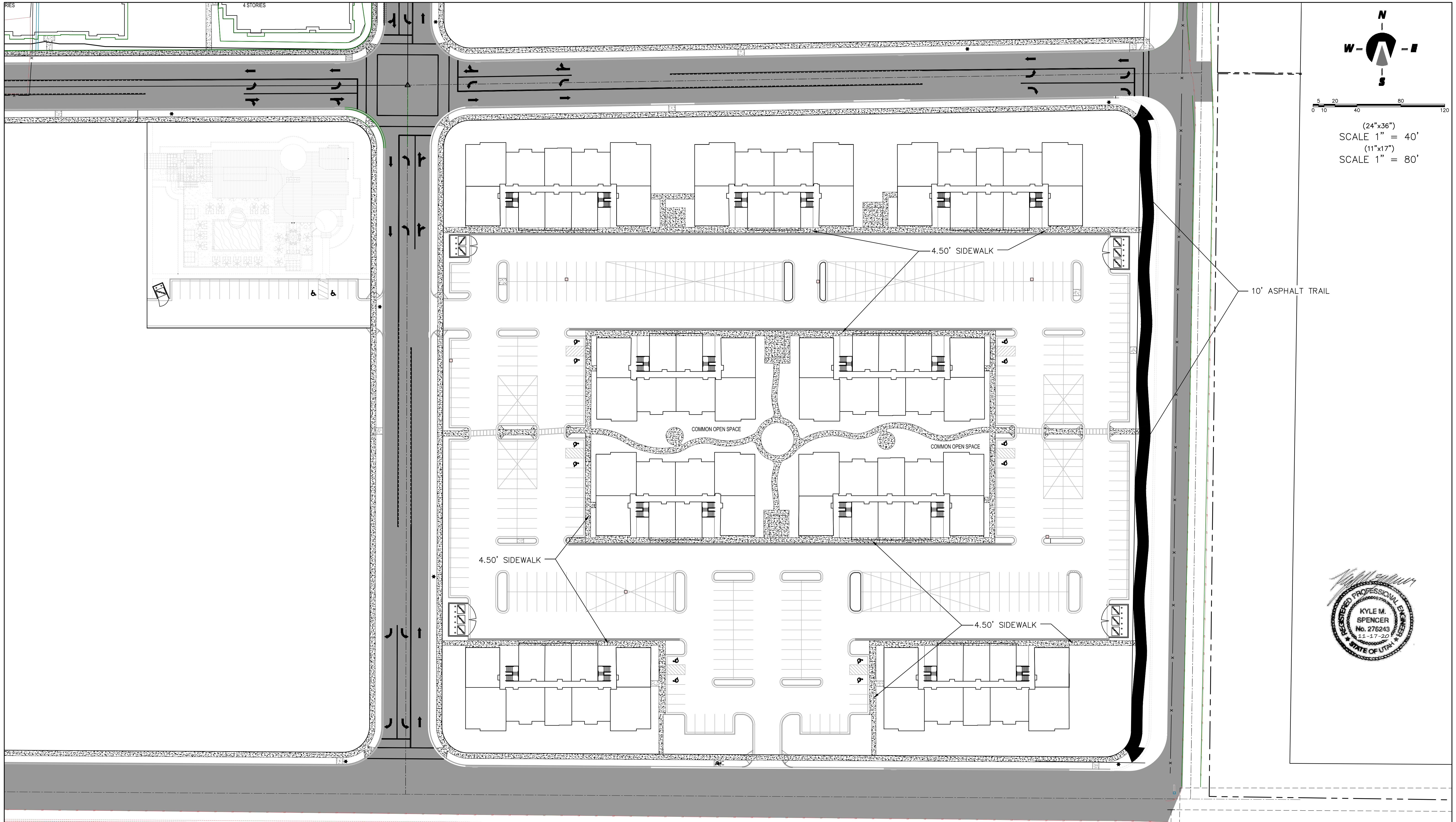


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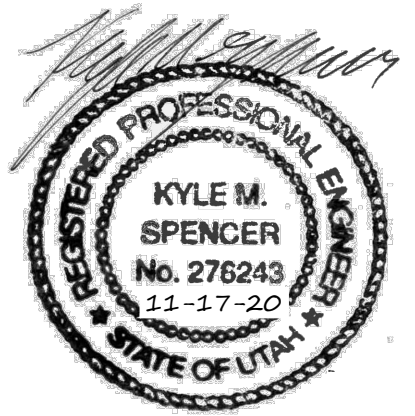
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SOUTH HAVEN		APARTMENT ADDRESS PLAN	JOB NO. 3-19-028
PAYSON CITY, UTAH			SHEET NO. AAP-01

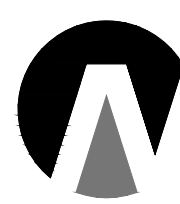
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(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'



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SOUTH HAVEN

APARTMENTS PEDESTRIAN CIRCULATION PLAN

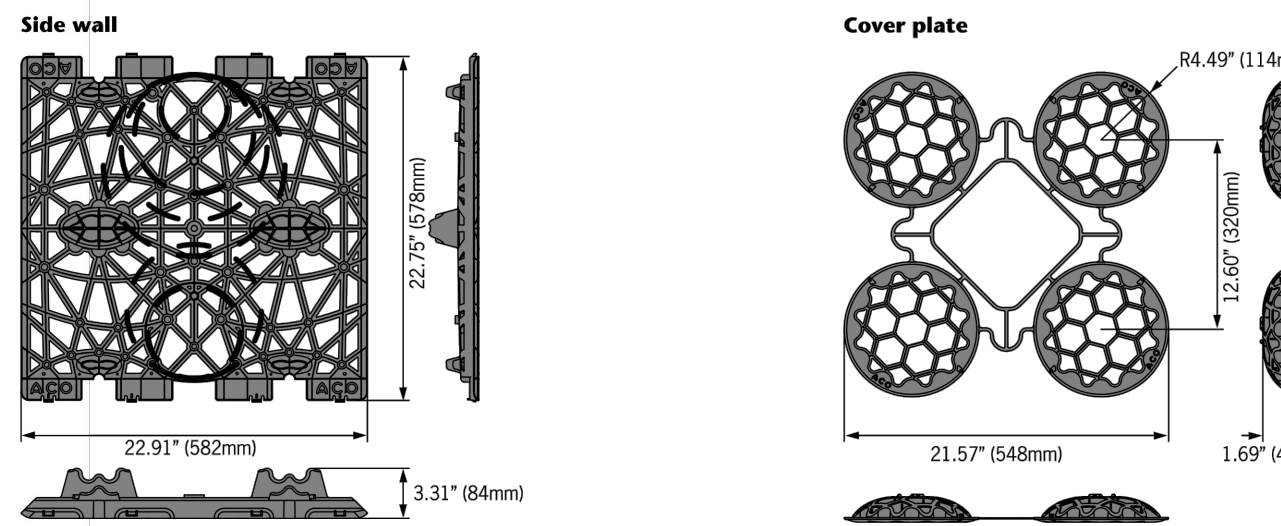
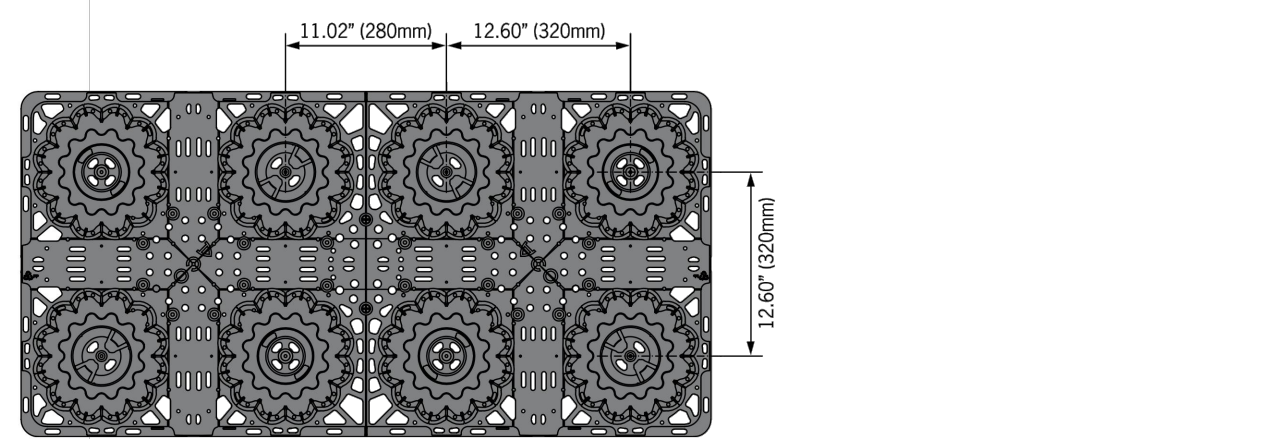
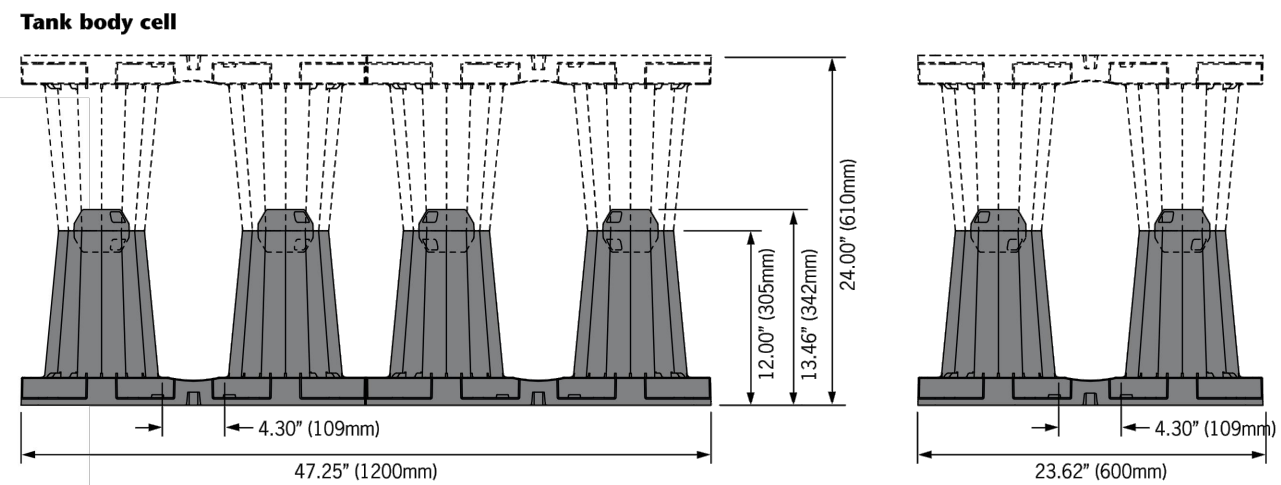
PAYSON CITY, UTAH

JOB NO.
3-19-028

SHEET NO.
PCP-01

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ACO STORMBRIXX
Stormwater Detention/Infiltration/Retention System



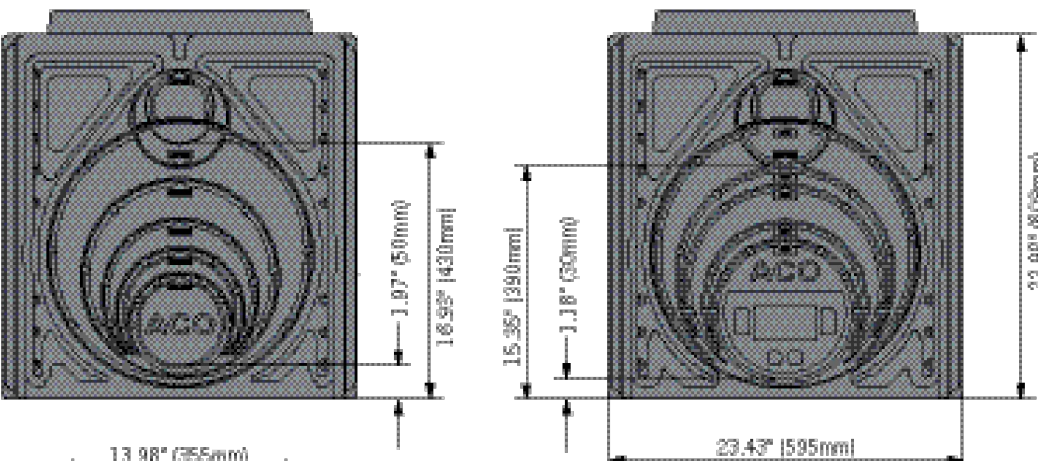
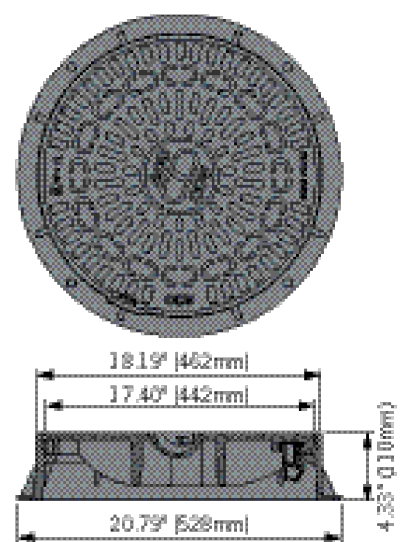
	B	C	H	W	L
	Inches (mm)				
Sch 40 - 4"	2.00 (51)	6.25 (159)	8.25 (210)	6.25 (159)	8.00 (203)
Sch 40 - 6"	2.00 (51)	8.25 (210)	10.25 (260)	10.25 (260)	8.00 (203)
Sch 40 - 8"	2.00 (51)	9.63 (245)	11.50 (292)	11.63 (295)	10.00 (254)
Sch 40 - 12"	1.50 (38)	15.00 (381)	17.25 (438)	17.75 (450)	9.50 (241)

April 2018

www.acousa.com

ACO STORMBRIXX
Stormwater Detention/Infiltration/Retention System

Access chamber - body, shaft and cover



www.acousa.com

STORMBRIXX - Stormwater Detention/Infiltration/Retention

Parts Table	Dimensions			Weight	Part No.
	Length in (mm)	Width in (mm)	Depth in (mm)		
StormBrixx tank body	47.24 (1200)	23.62 (600)	13.46 (342)	22.0	314020
StormBrixx side wall	22.91 (582)	23.11 (587)	2.16 (55)	3.5	314021
StormBrixx top cover	21.65 (550)	21.65 (550)	1.69 (43)	1.8	314022
Layer connectors	3.94 (100)	1.57 (40)	1.81 (46)	0.2	314023
Pipe connection flange - 4" Sch 40	-	-	-	0.9	93145
Pipe connection flange - 6" Sch 40	-	-	-	1.5	93146
Pipe connection flange - 8" Sch 40	-	-	-	2.9	93147
Pipe connection flange - 12" Sch 40	-	-	-	7.3	93148
Access chamber - body	23.39 (594)	23.39 (594)	24.02 (610)	70.4	27034
Access chamber - shaft	-	Ø 17.72 (450)	-	5.7	314038
Access chamber ductile iron cover (40 ton load rating)	-	Ø 20.79 (528)	4.33 (110)	83.6	314043
Inspection point shaft (with flange)	-	Ø 8.86 (225)	7.87 (200)	5.5	27018
Inspection point ductile iron cover (40 ton load rating)	16.14 (410)	16.14 (410)	7.09 (180)	114.4	314045

Specifications

General
The storm water Detention/Infiltration/Retention* system shall be ACO Stormbrixx as manufactured by ACO, Inc.

Materials
The tank body shall be manufactured from high density polyethylene (HDPE) and have minimum properties as follows:
Tensile impact strength: 152 ftlb/in²
Tensile strength, ultimate: 3,480 psi
Water absorption 0.01%
Frost proof, salt proof and fuels and oils resistant

The stormwater tank shall provide an average 95% open area¹, holding up to 110.17' net gallons per cell (2 tank bodies assembled) and offer full access to all areas and levels for maintenance.

Geomembranes/Geotextiles
The StormBrixx system shall be wrapped in appropriate permeable geotextile* or impermeable geomembrane and protection fleece* (supplied by others) as recommended by project design engineer.

Accessories
The storm water system shall be used in conjunction with inspection shaft**/access chamber** - See separate Spec info sheets for further details.

Installation
Storm water system shall be installed in strict accordance with the manufacturer's installation instructions and recommendations.

* Choose one/** Choose none, one or more
¹ Configuration and use of side/top panels will marginally impact these figures

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Fax: (520) 421-9989

Southeast Sales Office
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Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1063

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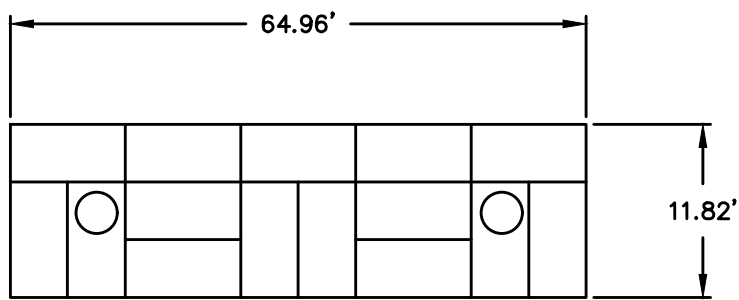
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April 2018

www.acousa.com



ACO STORMBRIXX SD TANK
TANK STRUCTURAL AREA 524 CF
TOTAL HOLDING VOLUME 508 CF
NUMBER OF LAYERS TYP. OF 1
A8-17



product details



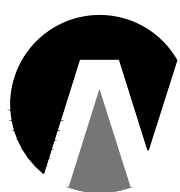
	Length (in)	Width Overall (in)	Depth Overall (in)	Weight (lbs)	Part #
Half Module					
	47.25	23.63	19.45	20.90	314090
Side Panel					
	35.71	23.31	4.10	6.82	314091
Top Cover					
	21.66	21.66	1.78	1.76	314092
Layer Connectors					
	2.11	1.75	1.05	0.23	314093
Remote Access Plate					
	25.99	25.99	4.73	13.70	314083
Access Chamber Ductile Iron Vented Cover (Load Class D400)					
	20.79	20.79	4.34	83.60	314053
Vertical Inspection Point Connector					
	-	Ø8.86"	7.88	5.52	27018
Access Chamber Ductile Iron Cover (Load Class D400)					
	20.79	20.79	4.34	83.60	314056
Inspection Point Ductile Iron Cover (Load Class D400)					
	16.15 Ø8.86"	16.15 Ø8.86"	7.09	114.64	314045
Inspection Shaft					
	17.21	17.21	13.78	5.52	314038
Horizontal Pipe Connectors					
	-	4.00 (Sch. 40)*	-	1.66	93145
	-	6.00 (Sch. 40)*	-	2.76	93146
	-	8.00 (Sch. 40)*	-	3.09	93147
	-	12.00*	-	3.86	93148

*Internal Width

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1			COGO FILE:	DATE:
NO.	REVISIONS	BY	DATE	REV. COGO FILE:

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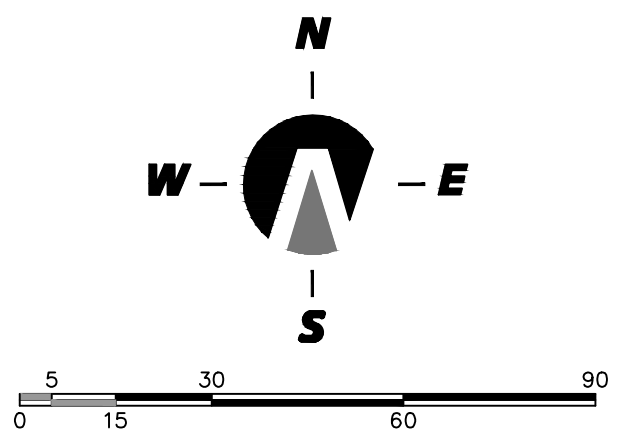
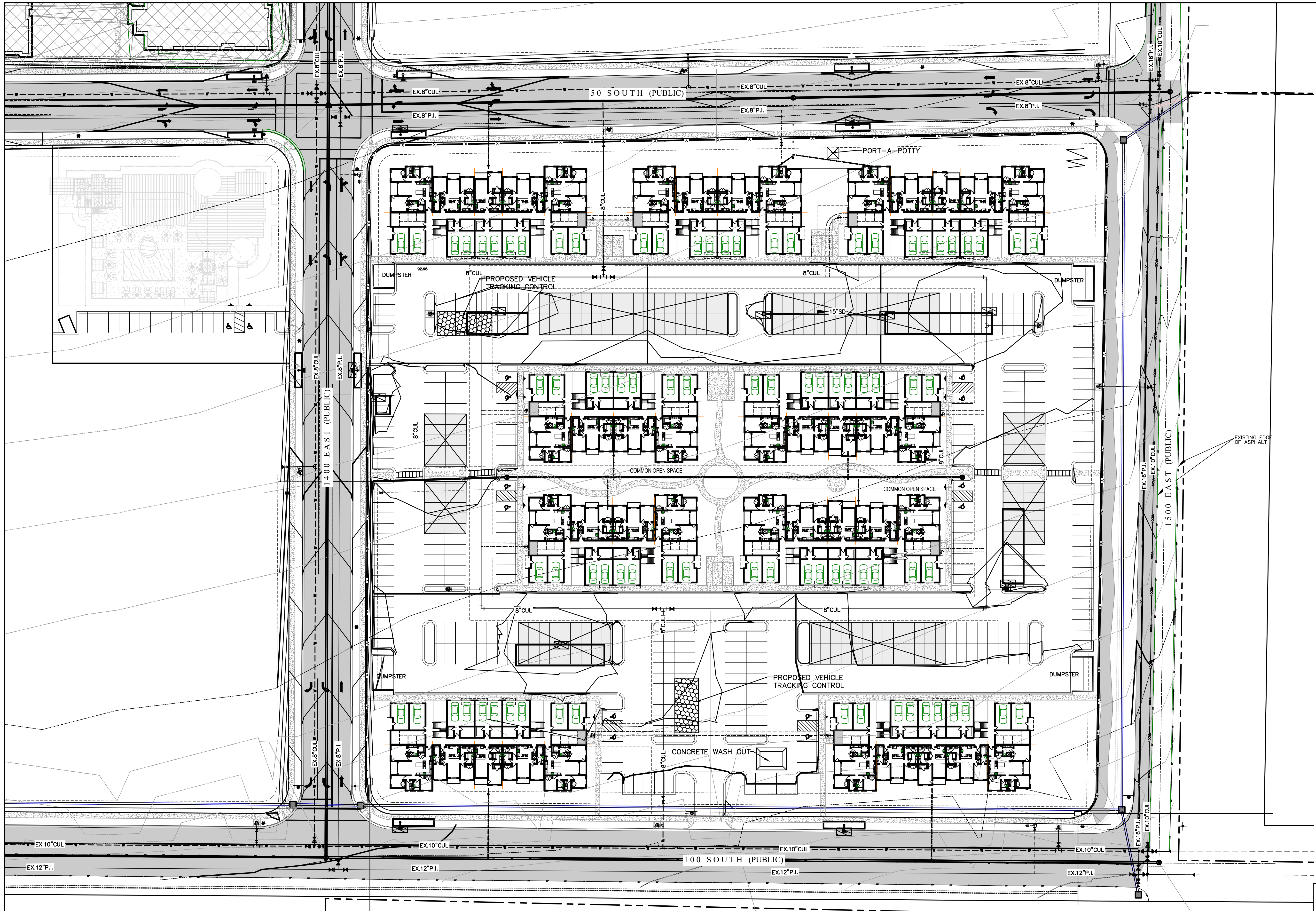
**Northern
ENGINEERING INC**
ENGINEERING—LAND PLANNING
CONSTRUCTION MANAGEMENT

1040 E. 800 N.
OREM, UTAH 84097
(801) 802-8992

**RESIDENCE AT SOUTH
HAVEN FARMS**

DETAILS
PAYSON, UTAH

JOB NO.
3-19-028
SHEET NO.
DT-02



(24"x36")
SCALE 1" = 30'
(11"x17")
SCALE 1" = 60'

LEGEND

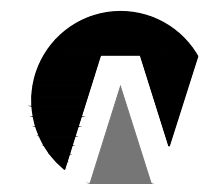
- PROPOSED SILT FENCE OR BERMING
(SEE DETAIL - A)
- PROPOSED VEHICLE TRACKING CONTROL
(SEE DETAIL - D)
- PROPOSED CURB INLET PROTECTION
(SEE DETAIL - C, E, OR F)
- PORT-A-POTTY
- CONCRETE WASH OUT
(SEE DETAIL - B)



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NO.	REVISIONS	BY	DATE
1		REV. COGO FILE:	DATE:

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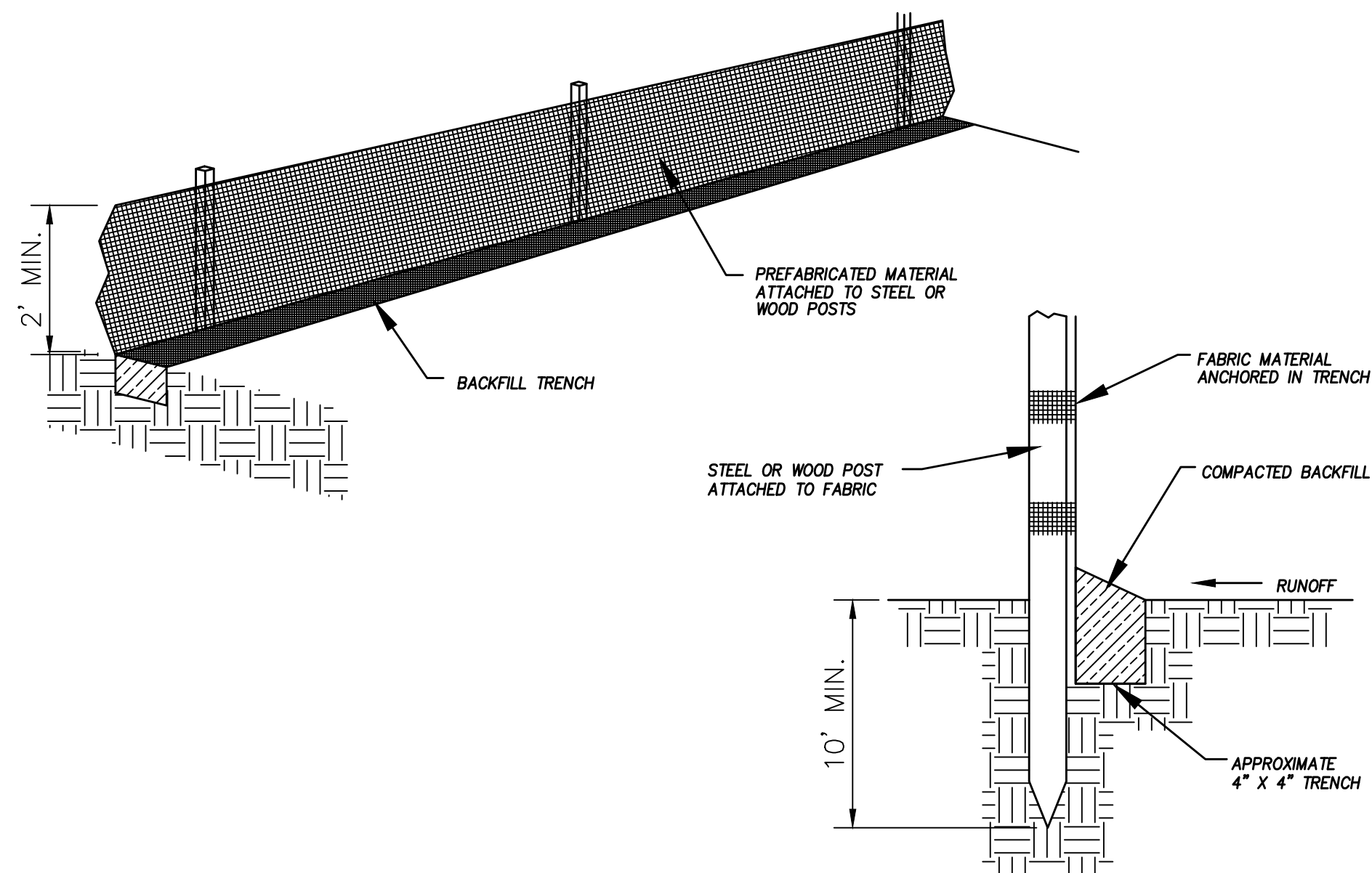


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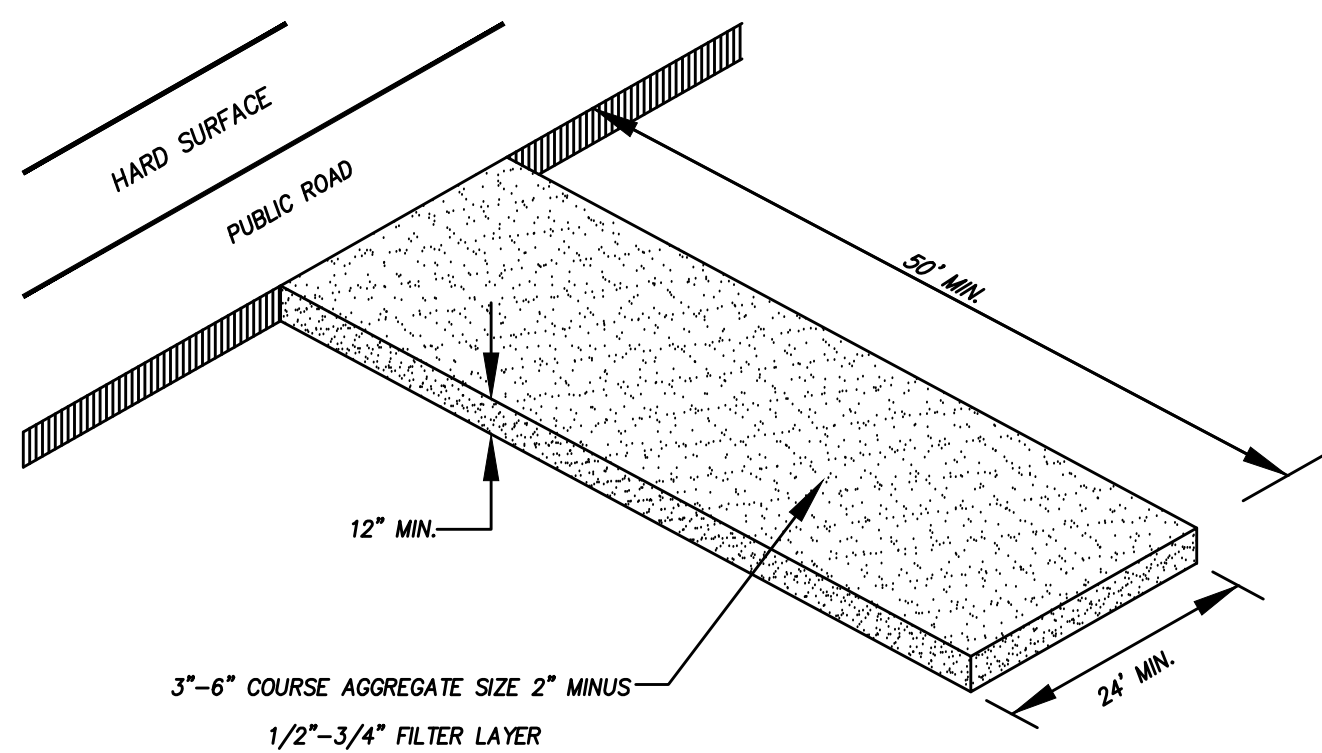
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**RESIDENCE AT SOUTH
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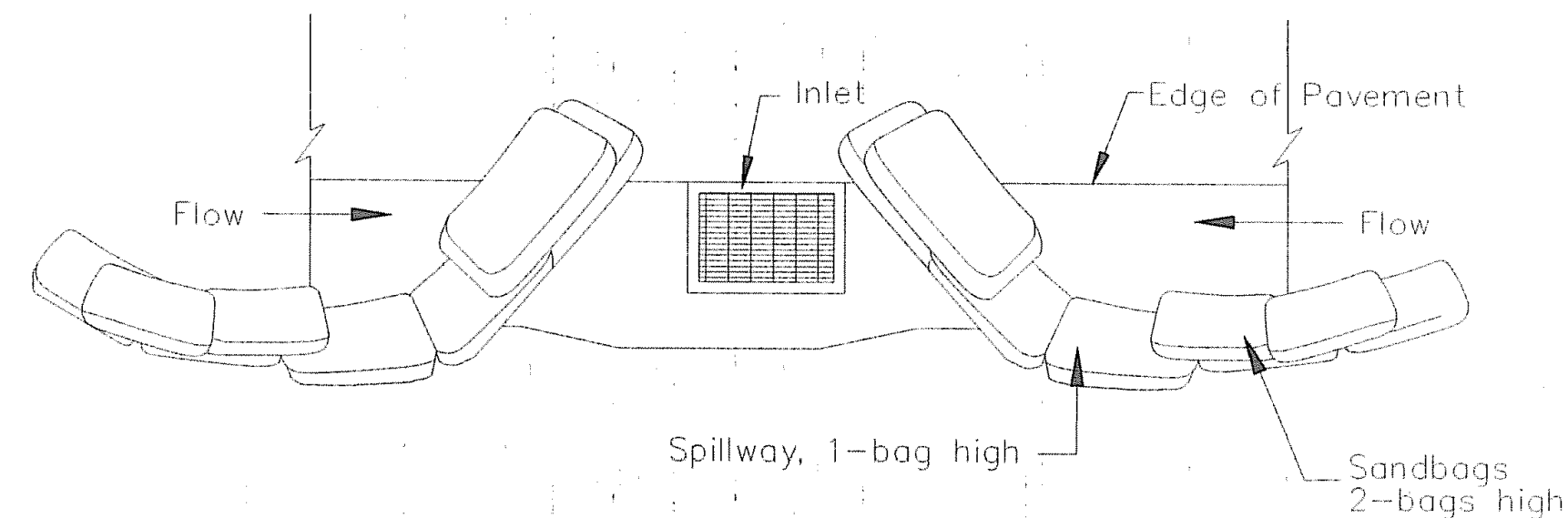
EROSION CONTROL PLAN	JOB NO. 3-19-028
PAYSON, UTAH	SHEET NO. ECP-01



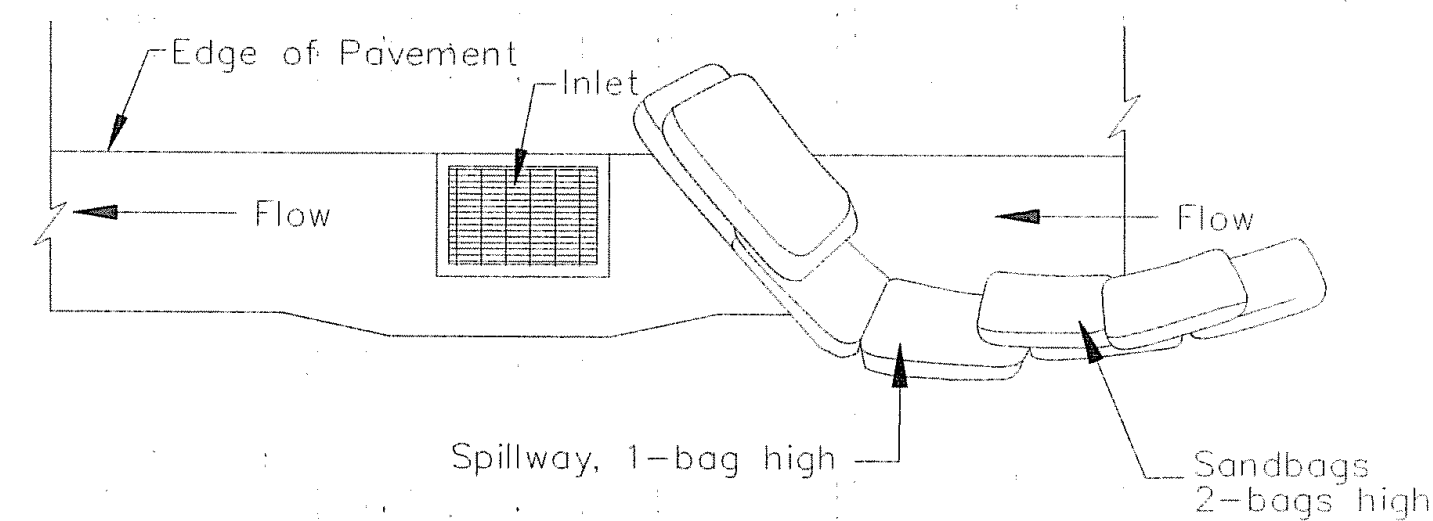
DETAIL-A
SILT FENCE DETAIL
-NTS-



DETAIL-B
VEHICLE TRACKING DETAIL
-NTS-



TYPICAL PROTECTION FOR INLET ON SUMP



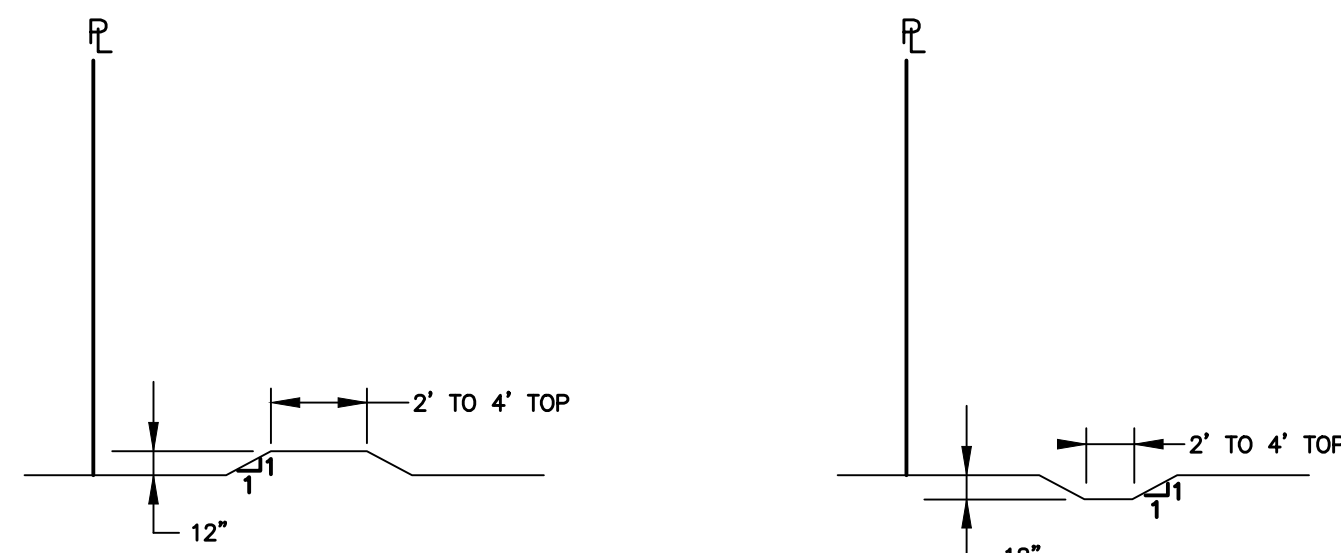
TYPICAL PROTECTION FOR INLET ON GRADE
DETAIL-C

- NOTES:
1. Intended for short-term use.
 2. Use to inhibit non-storm water flow.
 3. Allow for proper maintenance and cleanup.
 4. Bags must be removed after adjacent operation is completed.
 5. Not applicable in areas with high silts and clays without filter fabric.

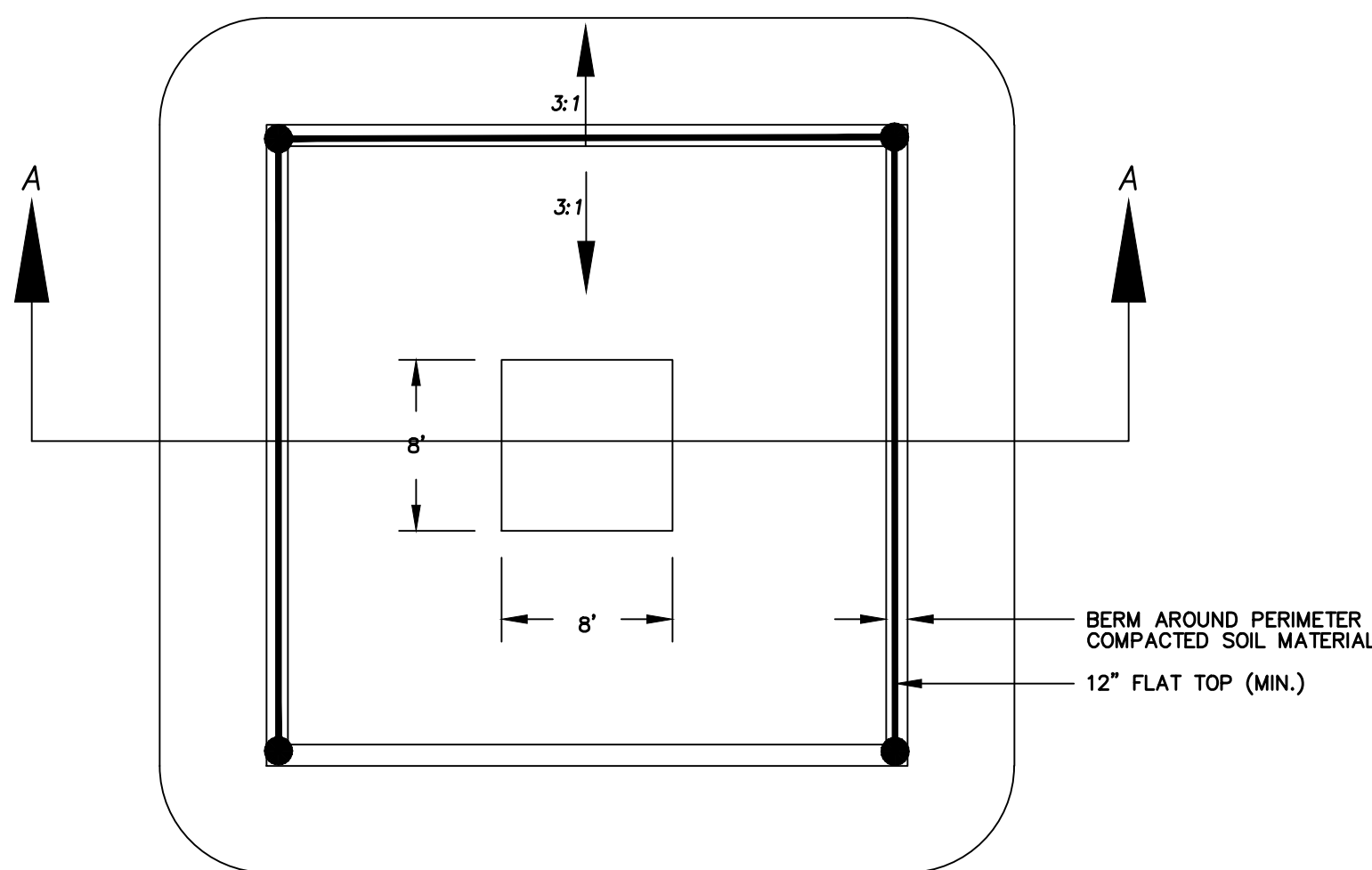
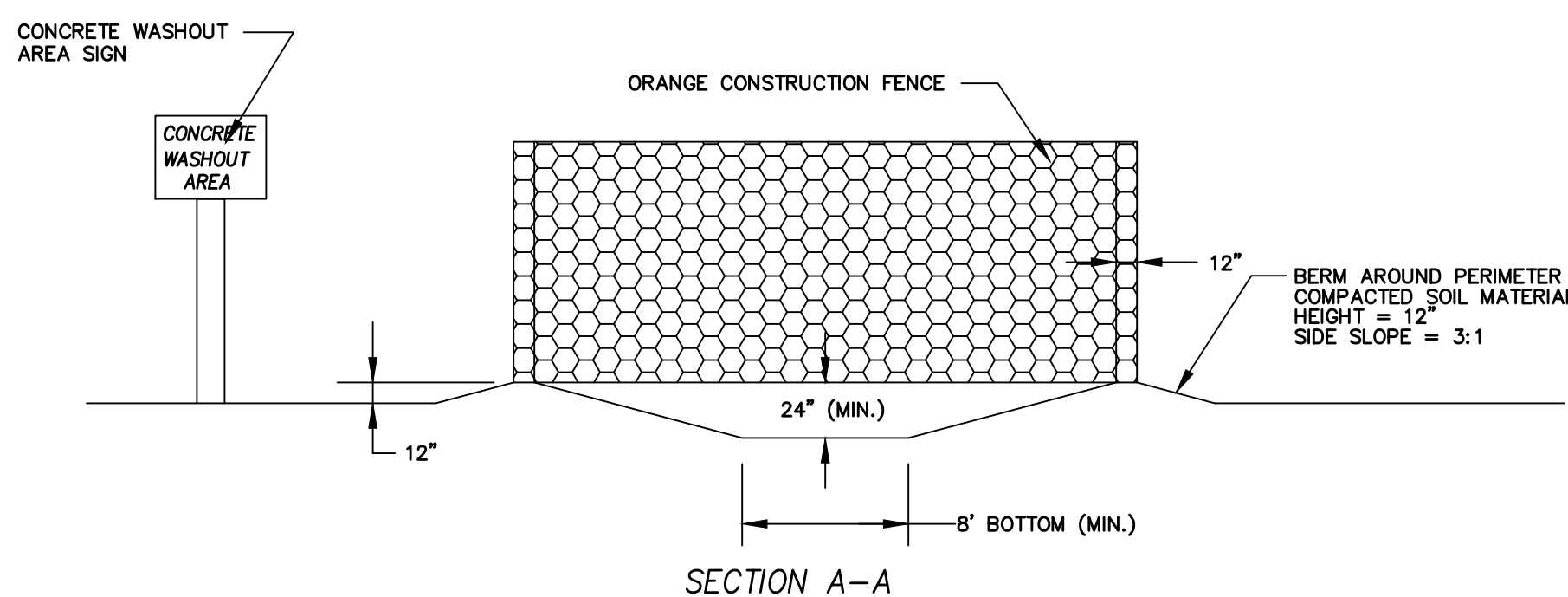
GENERAL NOTES:

1. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING ONSITE EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL FACILITIES SHOWN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DRAINAGE AND EROSION CONTROL FACILITIES AS REQUIRED. STREETS SHALL BE KEPT CLEAN OF DEBRIS FROM SITE TRAFFIC.
3. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. A REPRESENTATIVE OF THE CITY OR COUNTY PUBLIC WORKS DEPARTMENT MAY REQUIRE ADDITIONAL CONTROL DEVICES UPON INSPECTION OF PROPOSED FACILITIES.
4. CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES WILL ENTER OR EXIT THE SITE. CONTROL FACILITIES WILL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY, AND REMOVED WHEN THE SITE IS PAVED.
5. ALL SWPPP DRAINAGE SYSTEMS USING A GEOTECHNICAL FABRIC FOR INLET GRATE PROTECTION MUST HAVE FABRIC REGULARLY CLEANED (14 DAY INTERVAL MAX, MORE FREQUENTLY IF NEEDED) TO INSURE THAT SILT DOES NOT FORM IMPERMEABLE BARRIER OVER INLET.

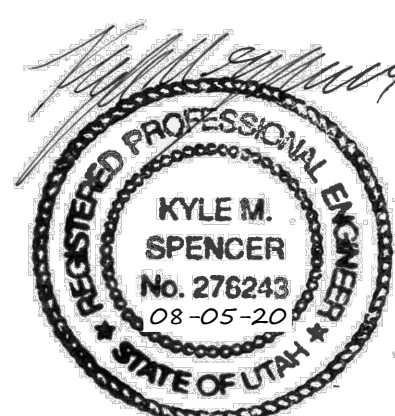
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12" BERM / SWALE
-NTS-



CONCRETE WASHOUT PIT
-NTS-



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**RESIDENCE AT SOUTH
HAVEN FARMS**

EROSION CONTROL PLAN DETAILS

PAYSON, UTAH

JOB NO.

3-19-028

SHEET NO.

ECP-02