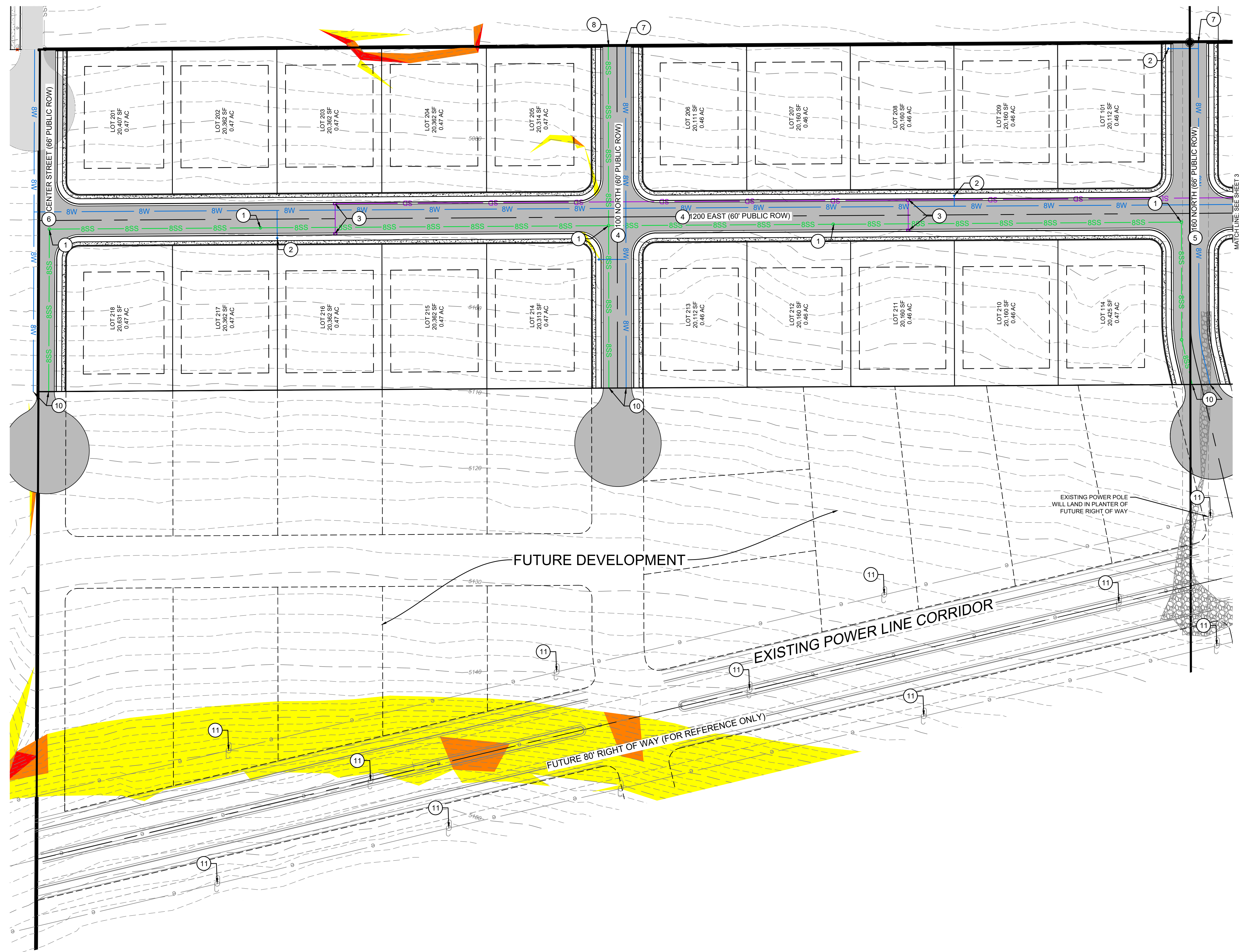


**LEGEND:**

SUBDIVISION BOUNDARY
PROPOSED PROPERTY LINE
SETBACK LINE
EXISTING PROPERTY LINE
EXISTING ROW CENTERLINE
PROPOSED ROW CENTERLINE
EXISTING ASPHALT
PROPOSED ASPHALT
SANITARY SEWER LINE

STORM DRAIN LINE
CULINARY WATER LINE
WATER VALVE
FIRE HYDRANT
WATER METER
STORM DRAIN BOX
STORM WATER CATCH BASIN
SEWER MANHOLE
EXISTING POWER LINE
EXISTING POWER POLE

SD
W
W
W
W
W
W
W
W
W

STORMWATER NARRATIVE:

THIS SITE IS TO BE DESIGNED IN ACCORDANCE WITH THE CACHE VALLEY STORMWATER DESIGN STANDARDS. THIS SITE WILL BE DESIGNED TO CONVEY ADDITIONAL OFFSITE DRAINAGE AS APPLICABLE.

ALL STORMWATER RUNOFF IS TO BE CONVEYED & STORED IN "DRAINAGE PARCEL 1". THIS PARCEL WILL CONSIST OF EITHER AN ABOVE GROUND POND OR UNDERGROUND SUMP. (PENDING FINAL DESIGN) STORMWATER WILL BE RELEASED FROM THIS SITE AT THE CACHE VALLEY STANDARD OF 0.20 CFS/AC (4.33 CFS). RUNOFF WILL ULTIMATELY DISCHARGE INTO THE EXISTING DRAINAGE NORTH OF THE PROPOSED SUBDIVISION. SEE THIS SHEET FOR ALL STORMWATER CALCULATIONS.

REQUIRED DETENTION VOLUME: 31,655 CF
PROVIDED DETENTION VOLUME: 32,158 CF

REQUIRED RETENTION VOLUME: 31,655 CF

GENERAL NOTES:

- CONSTRUCTION TO BE COMPLETE IN ONE PHASE
- AREAS OF CLASS 2 SLOPE ARE SHOWN ACCORDING TO SURFACE SLOPE TABULATION (SEE CURRENT SHEET)
- DRIVEWAY LOCATIONS FOR ALL LOTS SHALL CONFORM TO CITY STANDARD DETAIL RD-02A

UTILITY GENERAL NOTES:

- ALL LOTS TO BE SERVICED WITH A 1" Ø CULINARY WATER LATERAL & A 4" Ø SANITARY SEWER LATERAL

① SITE SHEET KEY NOTES:

- SEWER MANHOLE
- FIRE HYDRANT
- STORM WATER STRUCTURE
- 60'-FT ROW CROSS-SECTION (SEE SHEET 3)
- 66'-FT ROW CROSS-SECTION (SEE SHEET 3)
- 66'-FT PARTIAL ROW CROSS-SECTION (SEE SHEET 3)
- CONNECTION TO EXISTING WATER LINE (PENDING FURTHER COORDINATION WITH ADJACENT SUBDIVISIONS)
- CONNECTION TO EXISTING SANITARY SEWER MANHOLE (PENDING FURTHER COORDINATION WITH ADJACENT SUBDIVISIONS)
- SWALES TO CONVEY OFFSITE DRAINAGE TO PUBLIC ROW
- UTILITY STUB FOR FUTURE DEVELOPMENT
- EXISTING POWER STRUCTURE

Slopes Table			
Number	Minimum Slope	Maximum Slope	Color
1	20.00%	33.00%	Yellow
2	33.00%	50.00%	Orange
3	50.00%	100.00%	Red

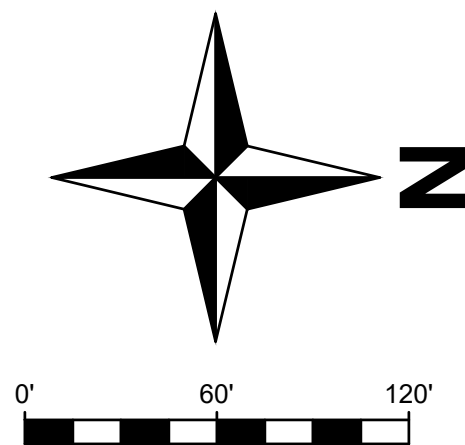
Civil Solutions Group, Inc.

Project: HORMAN SUBDIVISION
Date: 7-Sep-23
Location: Smithfield, UT
Method: Rational

Post Development Area:

Condition	Area (acres)	Runoff Coefficient	Weighted Area
Impervious (Building Pads, Limited Common Space, Driveways, Roadways)	7.11	0.90	6.40
Pervious Landscaped Areas	14.56	0.20	2.91
Total Area	21.67 acres		
Total Weighted Area:			9.31
Design Storm:	100 year, 24-hr storm		
Release Rate:	4.33 cfs		

Duration (min)	Intensity (in/ hr)	Post-Dev. Runoff (cfs)	Total Runoff (CF)	Cumulative Allow. Discharge (CF)	Detention Storage Req'd (CF)
5	5.40	50.27	15,081	1,300	13,781
10	4.08	37.98	22,789	2,600	20,190
15	3.40	31.65	28,487	3,900	24,587
30	2.28	21.23	38,206	7,800	30,406
60	1.41	13.13	47,255	15,599	31,655
120	0.81	7.49	53,957	31,198	22,759
180	0.57	5.31	57,309	46,797	10,511
360	0.34	3.18	68,703	93,594	-24,891
720	0.21	1.95	84,455	187,189	-102,734
1440	0.13	1.17	101,212	374,378	-273,166
2880	0.07	0.66	114,617	748,756	-634,138
Required Storage Volume Retention				31,655	Cubic Feet



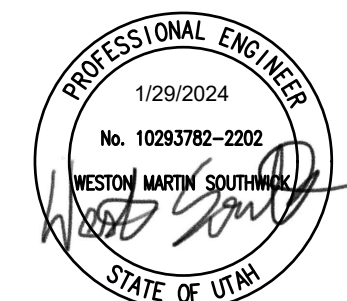
Know what's below. **811** before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

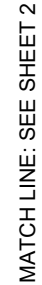
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY 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.

**HORMAN SUBDIVISION
PRELIMINARY PLAT
200 NORTH 1200 EAST
HYDE PARK, 84341**

MARK: DATE: DESCRIPTION:

PROJECT #: 21-095
DRAWN BY: L. WESTON
PROJECT MANAGER: W. SOUTHWICK
ISSUED: 1/29/2024

**CIVIL PLAN**



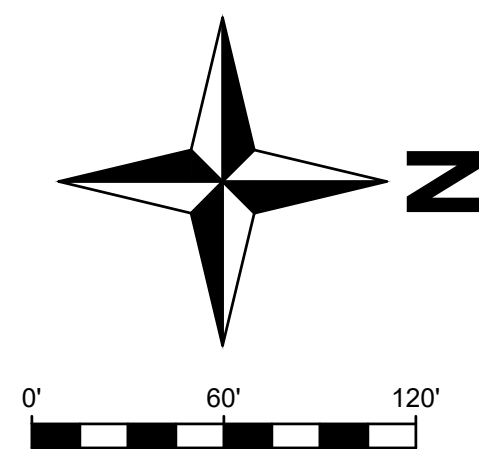
1. SEWER MANHOLE
2. FIRE HYDRANT
3. STORM WATER STRUCTURE
4. 60-FT ROW CROSS-SECTION (SEE SHEET 3)
5. 66-FT ROW CROSS-SECTION (SEE SHEET 3)
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9. SWALES TO CONVEY OFFSITE DRAINAGE TO PUBLIC ROW
10. UTILITY STUB FOR FUTURE DEVELOPMENT.
11. EXISTING POWER STRUCTURE

Slopes Table			
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Project: HORMAN SUBDIVISION
Date: 7-Sep-23
Location: Smithfield, UT
Method: Rational

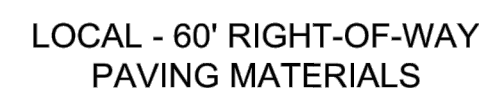
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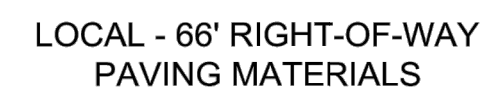


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NOTE:
ALL ROADS WEST OF 200 WEST SHALL HAVE 15" PIT RUN GRAVEL AND FILTER FIBER ABOVE NATIVE SOIL



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ALL ROADS WEST OF 200 WEST SHALL HAVE 15" PIT RUN GRAVEL AND FILTER FIBER ABOVE NATIVE SOIL



PROJECT #: 21-095
DRAWN BY: L. WESTON
PROJECT MANAGER: W. SOUTHWICK
ISSUED: 1/29/2024



CACHE VALLEY | P: 435.213.3762
SALT LAKE | P: 801.216.3192
UTAH VALLEY | P: 801.874.1432
info@civilsolutionsgroup.net
www.civilsolutionsgroup.net

**HORMAN SUBDIVISION
PRELIMINARY PLAT**
200 NORTH 1200 EAST
HYDE PARK, 84341