



GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'-0"

Handwritten calculations and notes:

- $57.5 \times 68.2 = (463) \frac{40}{(3) 1m^2}$
- $394' 36" \times 12 = (4728) \frac{1}{1m^2}$
- $28' 12" \times 12 = (336) \frac{1}{1m^2}$
- $97.5 \times 11.5 = (1121) \frac{1}{1m^2}$
- $57.5 \times 25.8 = (1471) \frac{1}{1m^2}$
- $260' 30" \times 536 \text{ ft}^2$
- 106.70 ft^2
- 21.99 ft^2
- 1764.69 ft^2
- $393' 36"$
- $260' 30"$

SCOPE OF WORK:

1. INSTALL NEW 4x4x8" DEEP PRECAST CATCH BASIN. INSTALL NEW 12" RCP TO CONNECT NEW BOX TO EXISTING BOX IN STREET. INSTALL ORIFICE PLATE IN DETAIL E/C5.01. ORIFICE SIZE IS 1.39". THE OVERFLOW ELEVATION IS 96.35 MAX. ALLOWABLE DISCHARGE IS .1 CFS. SEE SHEET C1.02 AND DETAIL J/C5.01.
2. INSTALL (3) NEW STANDARD MANHOLE WHERE SHOWN ON SITE PLAN. SEE DETAIL G/C5.02. INSTALL BOX OF MANHOLE WILL NEED TO BE AT LEAST 4x4x4" AT EAST END OF WATERWAYS AND CURB AND GUTTER FOR MAINTENANCE PURPOSES.
3. INSTALL (2) 2x2x2" DEEP PRECAST CATCH BASINS WHERE SHOWN ON SITE PLAN. SEE DETAIL G/C5.01. CONNECT BOX IN ASPHALT AREA WITH 12" RCP PIPE. CONNECT BOX IS LANDSCAPING AREA WITH 6" SDR35 PIPE.
4. INSTALL NEW 36" Ø RCP AND 30" ELLIPTICAL RCP WHERE INDICATED ON PLAN.
5. REMOVE 223 CU. YD. OF SOFT SUBGRADE (12" DEEP). INSTALL 8020 SQ. FT. OF STABILIZATION FABRIC AND FILL WITH 12" PIT-RUN MATERIAL. CONTACT ENGINEER BEFORE WORK IS STARTED.
6. INSTALL NEW 3'-0" WIDE CONCRETE WATERWAY. SEE DETAIL A/C5.01.
7. INSTALL NEW RELEASE CURB AND GUTTER. SEE DETAIL C/C5.01.
8. INSTALL NEW CURB WALL SEE DETAIL E/C5.02.
9. INSTALL ACCESSIBLE RAMP ALONG BUILDING. SEE DETAILS A&D/C5.02.
10. INSTALL NEW INTEGRAL SIDEWALK WHERE SHOWN. SEE DETAIL F/C5.01.
11. INSTALL NEW CONCRETE SIDEWALK. SEE DETAIL H/C5.01.
12. INSTALL NEW SIDEWALK AND STAIRS TO EXISTING PAVILION. SEE DETAIL F/C5.02. INSTALL 6" MONSTRIP ALONG BOTH SIDES OF NEW STAIR.
13. INSTALL (8) NEW ACCESSIBLE SIGNS. SEE DETAIL B, C&J/C5.02.
14. REINSTALL EXISTING FLAG POLE TO NEW ELEVATION. INSTALL NEW 10' Ø x 6" THICK CONCRETE PAD AROUND EXISTING FLAG POLE.
15. INSTALL NEW SIDEWALKS AND RAMPS NEAR CULTURAL CENTER. DEPRESS CURB IN AREA FOR ACCESS TO CONCRETE RAMP TO PAVILION AREA AND CULTURAL CENTER BUILDING. REPLACE END OF EXISTING RAMP TO PAVILION AND RAMP TO CULTURAL CENTER TO ADA REGULATIONS.
16. FILL IN AREA IN FRONT AND ALONG WEST SIDE OF SHED WITH 4" THICK CONCRETE PAD. DEPRESS CURB FOR DRIVE ACCESS TO SHED. INSTALL NEW PAD AT EXISTING ASPHALT ELEVATION. REMOVE EXISTING MONSTRIP ALONG WEST SIDE FOR NEW CONCRETE.
17. GRADE WITH UNIFORM SLOPE AND INSTALL 6" ROAD BASE WITH 3" ASPHALT. MAXIMUM SLOPE IN ALL ACCESSIBLE PARKING AREAS IS 2%. CHECK ALL SPRINKLER VALVES, AND ELECTRICAL WIRING TO ADDITIONAL BUILDINGS, AND LIGHT POLES FOR PROPER WORKING CONDITION BEFORE ASPHALT IS INSTALLED.
18. SEE SHEET C3.01 FOR TYPE 1 SLURRY AND ADDITIONAL ASPHALT REQUIREMENTS.
19. SEE LANDSCAPING SHEETS FOR ALL LANDSCAPING REQUIREMENTS.
20. STRIPE PARKING LOT AS SHOWN. SEE SHEET C3.01 FOR FULL PARKING LOT STRIPING LAYOUT. RESTRIPE ALL EXISTING STALLS ALONG 4100 WEST STREET. SEE DETAILS D/C5.01 AND B/C5.02.

NOTE:
ALL QUANTITIES GIVEN IN SCOPE OF WORK IS FOR BIDDING PURPOSES ONLY. ACTUAL QUANTITIES WILL BE FIELD VERIFIED DURING CONSTRUCTION. UNIT PRICES ARE LISTED IN THE SPECIFICATIONS AND QUANTITIES WILL BE ADDED OR DEDUCTED FROM THE CONTRACT AMOUNT AT THESE RATES.

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
Call Before You Dig
1-800-662-4111

NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

McNEIL GROUP
Designing for the Future Since 1983™
8610 So. Sandy Parkway, Suite 200 Sandy, Utah 84070
TEL. (801) 255-7700 FAX (801) 255-8071
E-MAIL: info@mcneileng.com WEB SITE: AT www.mcneil-group.com



WEST WEBER 1, 2, 3, & OGDEN UTAH WEBER NORTH STAKE
4080 WEST 900 SOUTH
WEST WEBER, UTAH

The Church of Jesus Christ of Latter-Day Saints

REV.	DATE	DESCRIPTION

PROJECT NO: 11358
CAD DWG. FILE: 11358-tilt.dwg
DRAWN BY: NMD/MGS
PROPERTY NO: 502-2681
DESIGNED BY: NMD
FIELD CREW: NMD/MGS
CHECKED BY: RJD
DATE: MAY 2012

SHEET TITLE
GRADING AND DRAINAGE PLAN

C1.02
SHEET 6 OF 17