PARK 1, 4, 10 PHASE II OREM UT PARK STAKE PARKING AND DRAINAGE UPGRADE

50 SOUTH 750 WEST OREM, UTAH 84058 PROPERTY # 505069319020101

AUGUST 2020

**MCNEIL ENGINEERRING

Economic and Sustainable Designs, Professionals You Know and Trust

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PARK 1, 4, 10 - PHASE 2

nurch of Jesus Christ of Latter-Day Sain

OREM UT PARK STAKE

PROJECT NO: 18107.A

DRAWN BY: MGS

CHECKED BY: RJP/CEG

DATE: AUGUST 2020

COVER SHEET

G1.00

- 1. ALL WORK TO CONFORM TO GOVERNING MUNICIPALITY'S STANDARDS, SPECIFICATIONS AND
- 2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT, ADOPTED EDITIONS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL PLUMBING CODE, STATE DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY
- 3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.
- 1.2 PERMITTING AND INSPECTIONS
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE
- PERMITTING AUTHORITIES. 2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF
- CONSTRUCTION REQUIRING OBSERVATION. 3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.
- 1.3 COORDINATION & VERIFICATION
- 1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE
- INCORRECTLY ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. 2. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS

CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN

1.4 SAFETY AND PROTECTION

THAT CAN BE EASILY OBSERVED.

- 1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, 2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA
- 3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR
- WORKERS AND PUBLIC. 4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT
- HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS. 5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING,
- MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR
- WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS. 7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE
- "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION. 8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS.
- 9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY

AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION.

- 10.CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION. SUBMIT A STORM WATER POLLUTION PREVENTION PLAN, IF REQUIRED. 11.CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE
- 12.NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ONE APPROACH TO THE SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER OR GOVERNING AGENCY.
- 13. THE CONTRACTOR SHALL TAKE REASONABLE MEASURE TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER/OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.

- 1.5 MATERIALS
- 1. SITE CONCRETE SHALL BE A MINIMUM 4500 P.S.I. @ 28 DAYS, 4" MAXIMUM SLUMP WITH 5 + OR -1% AIR ENTRAINMENT, UNLESS SPECIFIED OTHERWISE. -SEE SPECIFICATION A. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/4 THE DEPTH) AT INTERVALS NOT TO
- EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH, WHICHEVER IS LESS, SCORING WILL BE PLACED TO PREVENT RANDOM CRACKING. FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION AND AT EQUAL INTERVALS NOT TO EXCEED 50 FEET.
- B. CONCRETE WATERWAYS, CURBWALLS, MOWSTRIPS, CURB AND GUTTER, ETC. WILL TYPICALLY BE SCORED (1/4 THE DEPTH AT INTERVALS NOT TO EXCEED 10 FEET AND HAVE FULL DEPTH EXPANSION JOINTS AT EQUAL SPACING NOT TO EXCEED 50 FEET). C. UNLESS OTHERWISE NOTED, ALL SLABS-0N-GRADE WILL HAVE A MINIMUM 8" TURNED-DOWN
- EDGE TO HELP CONTROL FROST HEAVE. D. UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACED ON A MINIMUM 4"
- BASE COURSE OVER A WELL COMPACTED (90%) SUBGRADE. E. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GREEN".
- F. ALL JOINTS (CONTROL, CONSTRUCTION OR EXPANSION JOINTS, ETC.) WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION).
- 2. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 6" OF COMPACTED (95%) ROAD BASE OVER PROPERLY PREPARED AND COMPACTED (90%) SUBGRADE, UNLESS NOTED OTHERWISE. -SEE SPECIFICATIONS.
- A. ASPHALT COMPACTION SHALL BE A MINIMUM 96% (MARSHALL DESIGN). B. SURFACE COARSE SHALL BE ½ " MINUS. MIX DESIGN TO BE SUBMITTED FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO ANTICIPATED PAVING SCHEDULE.
- C. AC PAVEMENT TO BE A 1/4" ABOVE LIP OF ALL GUTTER AFTER COMPACTION D. THICKNESSES OVER 3" WILL BE LAID IN TWO LIFTS WITH THE FIRST LIFT BEING AN APPROVED
- 3/4" MINUS DESIGN.
- 1.6 GRADING/SOILS 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT, WHICH BY
- REFERENCE ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS, OR IN THE SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND THESE PLANS AND SPECIFICATIONS.
- 2. PROCEDURE FOR UNSUITABLE MATERIALS: A. EXCAVATE TO SUBGRADE.
- B. SCARIFY A MINIMUM OF 12" DEEP AND ALLOW TO DRY. RESCARIFY EVERY 2-3 DAYS. C. PROOFROLL AND COMPACT.
- 3. IF, WHILE PROOFROLLING, SOFT SPOTS TURN UP, IT WILL BE RESCARIFIED AND ALLOWED TO DRY (UP TO TWO WEEKS). AFTER TWO WEEKS, THE SOFT AREAS WILL BE MEASURED UP AND OVEREXCAVATED. THE OVEREXCAVATION WILL BE UNDER DIRECTION OF THE ARCHITECT/ENGINEER. THE SOFT MATERIAL WILL BE REMOVED AND REPLACED WITH SUITABLE MATERIALS. THE BOTTOM OF THE EXCAVATION WILL RECEIVE A STABILIZATION FABRIC, MIRAFI
- 160N OR APPROVED BY ARCHITECT/ENGINEER. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS
- SPECIFIED IN THE SOILS REPORT. 5. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557, EXCEPT UNDER BUILDING FOUNDATIONS WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
- 6. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITH THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS
- 7. SITE CLEARING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UNDERGROUND TANKS,
- 8. ALL EXISTING VALVES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED TO GRADE AS
- REQUIRED. PROVIDE CONCRETE RING OR APRON AROUND RAISED OR NEW ELEMENTS. 9. ALL ELEMENTS SUCH AS VALVES, MANHOLES, INLET COVERS, ETC. ARE REQUIRED TO HAVE A NEW 6" THICK x 2x DIA. WIDE CONCRETE APRON INSTALLED, UNLESS DETAILED OTHERWISE.
- 1.7 UTILITIES
- 1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES EITHER DIRECT OR THROUGH BLUE STAKE TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.
- 2. CONTRACTOR TO VERIFY BY POTHOLING BOTH THE VERTICAL AND HORIZONTAL LOCATION O ALL EXISTING UTILITIES PRIOR TO INSTALLING ANY NEW LINES. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED
- BY HIS WORK FORCE 3. CONTRACTOR MUST START AT LOW END OF ALL NEW GRAVITY UTILITY LINES. MECHANICAL SUB-CONTRACTOR MUST BE PROVIDED CIVIL SITE DRAWINGS FOR COORDINATION AND TO CHECK THE FLOW FROM THE LOWEST POINT IN BUILDING TO THE FIELD VERIFIED CONNECTION AT THE EXISTING MAIN. NO EXTRA COMPENSATION IS TO BE PAID TO THE CONTRACTOR FOR

- WORK HAVING TO BE REDONE DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS.
- 4. CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, TYPE, AND OUTSIDE DIAMETERS OF UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AHEAD, PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. EXISTING UTILITY INFORMATION SHOWN ON PLANS OR OBTAINED FROM UTILITY COMPANIES OR BLUE STAKED
- MUST BE ASSUMED AS APPROXIMATE, REQUIRING FIELD VERIFICATION. 5. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS
- AND CONNECTIONS. 6. ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER
- TIGHT SEALS ON THE OUTSIDE AND GROUTED SMOOTH WITH A NON-SHRINK GROUT ON THE INSIDE. CONDUITS SHALL BE CUT OFF FLUSH WITH THE INSIDE OF THE BOX. 7. NO CHANGE IN THE DESIGN OF UTILITIES AS SHOWN WILL BE MADE BY THE CONTRACTOR

WITHOUT THE WRITTEN APPROVAL OF THE GOVERNING MUNICIPALITY, OR OTHER AUTHORITY

- HAVING JURISDICTION OVER THAT UTILITY. 8. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROCKS, DIRT, AND CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.
- 1.8 SURVEY CONTROL CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE
- SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE APPROVED GRADE OF THE MAIN AND OR FACILITY AS SHOWN ON
- 2. THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS FOR VERIFICATION PURPOSES.
- 3. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.
- 1.9 AMERICAN DISABILITIES ACT
- 1. PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS: *ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM CROSS SLOPE.
- *ROUTES SHALL HAVE A 5.00% (1:20) MAXIMUM RUNNING SLOPE.
- *RAMPS SHALL HAVE A 8.33% (1:12) MAXIMUM RUNNING SLOPE. 2. ADA PARKING STALLS AND ADJACENT ROUTES SHALL HAVE A 2.00% MAXIMUM SURFACE SLOPE
- IN ANY DIRECTION.
- DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE
- 3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.

LEGEND

NEW	EXISTING		NEW	EXISTING	
		MONUMENT LINE		lack	SECTION CORNER (FOUND)
		CENTER LINE		\wedge	
		SUBJECT PROPERTY LINE		\bigoplus	SECTION CORNER (NOT FOUND)
		ADJACENT PROPERTY LINE		•	STREET MONUMENT
		EASEMENT LINE		•	BRASS CAP MONUMENT
	<u>- · · · — · · — · · </u>	DITCH FLOWLINE	↔ PP	↔ PP	POWER POLE
x	х	FENCE LINE	↔ UP	⊕ UP	UTILITY POLE
ATMS	atms	ATMS CABLE	GUY	GUY	GUY ANCHOR
CATV	catv	CABLE TV LINE	TRANS	TRANS	POWER TRANSFORMER
c	c_	COMMUNICATIONS LINE	NAINS	IRANS	TRAFFIC SIGNAL CABINET
FO	fo	FIBER-OPTIC CABLE	× _{LP}	× LP	LIGHT POLE
F	f	FIRE LINE	□ _{TR}	□ TR	TELEPHONE RISER
G	g	NATURAL GAS LINE	①	(T)	TELEPHONE MANHOLE
IRR	——— irr ———	IRRIGATION LINE	\bowtie	\bowtie	TRAFFIC SIGNAL BOX
—— OHP ———	ohp	OVERHEAD POWER LINE	W	W	WATER MANHOLE
P	p	POWER LINE	\otimes	\otimes	WATER VALVE
—— P/C ———	p/c	POWER/COMMUNICATIONS LINE	(M)	⟨WM⟩	WATER METER
—— Р/Т ———	p/t	POWER/TELEPHONE LINE			FIRE HYDRANT
— Р/Т/С ——	p/t/c	POWER/TELE/COMM LINE	S	(\$)	SANITARY SEWER MANHOLE
RD	rd	ROOF DRAIN LINE	°ssco	°ssco	SANITARY SEWER CLEANOUT
sw	sw	SECONDARY WATER LINE	S	S D	STORM DRAIN MANHOLE
s	s	SANITARY SEWER LINE			STORM DRAIN CURB INLET
ST	st	STEAM LINE			STORM DRAIN CATCH BASIN
SD	sd	STORM DRAIN LINE	S	(SD)	STORM DRAIN CLEANOUT
T	t	TELEPHONE LINE			STORM DRAIN COMBO BOX
			MB	MB	MAILBOX
T/C	t/c	TELEPHONE/COMM LINE	þ	d	SIGN
——— UGP ————	ugp	UNDERGROUND POWER LINE	egthankowskip	\triangleleft	FLOW DIRECTION
	w 4572	WATER LINE	96.03 TOC	⊕ 97.25	SPOT ELEVATION
		CONTOUR LINE	Ψ	.July	
		CURB & GUTTER (STD)	Sully Sunday	months of the second	CONIFEROUS TREE
		CURB & GUTTER (OUTFALL)	M	hope	
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CONCRETE PAVEMENT			DECIDUOUS TREE
		CTD DLITY ACDUALT			

STD. DUTY ASPHALT

ABBREVIATIONS

HGL

NGRET

NW

NTS

OHTV

POWER BOX

POINT OF CURVATURE

OG

建築		
ONSI		
- 12		
E		
S S		

BLUFO

BLUG

BLUSD

BLUSS

BLUW

BOF

BOB

BOL

BOW

CATV

CBR

COL

COMM

CONC

CONST

CTREE

CUFT

CMP

DELINEATOR AMERICANS WITH DIA or Ø DIAMETER **DISABILITIES ACT DUCTILE IRON PIPE** ADVANCED TRAFFIC MGMT. DTREE **DECIDUOUS TREE** DOUBLE YELLOW LINE BAR & CAP BUILDING CORNER **ELECTRIC BOX** BOTTOM FINISH GRADE EGL **ENERGY GRADE LINE** BLUE STAKED ELECTRIC BLUE STAKED FIBER OPTIC **ELECTRIC METER ELECTRIC MANHOLE** BLUE STAKED NATURAL GAS EMH BLUE STAKED IRRIGATION EOA **EDGE OF ASPHALT** BLUE STAKED STORM DRAIN EOC **EDGE OF CONCRETE** BLUE STAKED SANITARY **EDGE OF GRAVEL** EDGE OF LAWN BLUE STAKED TELEPHONE EX or EXIST EXISTING BLUE STAKED WATER BENCHMARK FOUNDATION CORNER BOTTOM OF FOOTING FOUND or FOUNDATION DRAIN MAX BOTTOM OF BOX FIRE DEPT. CONNECTION BOLLARD FOUND MONUMENT BOTTOM **FDSC** FOUND SECTION CORNER BLOW-OFF VALVE FINISHED FLOOR ELEVATION MW BACK OF WALK FINISHED GRADE FINISH GRADE AT BOTTOM OF FH FIRE HYDRANT FLOW LINE WALL **FENCE** CENTERLINE **FNCCL** CHAIN LINK FENCE CABLE TELEVISION **FNCIRN** IRON FENCE CONCRETE BARRIER VINYL FENCE **FNCVYL** CURB CUT WOOD FENCE **FNCWD** COLUMN **FNCWR** WIRE FENCE COMMUNICATIONS FIBER OPTIC CONCRETE FOW FRONT OF WALK CONSTRUCTION FEET CORRUGATED METAL PIPE NATURAL GAS CONTROL POINT GAR GARAGE **CONIFEROUS TREE** GB GRADE BREAK CUBIC FOOT GROUND LIGHT CUBIC YARD

GAS METER GAS MANHOLE **GUY WIRE** GAS VALVE HIGH DENSITY POLYETHYLENE HEADGATE HYDRAULIC GRADE LINE HIGH POINT PVC HEADWALL or HIGH WATER HIGHWAY IRRIGATION CLEANOUT IRRIGATION CONTROL VALVE INVERT ELEVATION IRRIGATION LINEAR FEET ROW LIP OF GUTTER LOW POINT or LIGHT POLE MAXIMUM MINIMUM MONUMENT METAL PIPE SDCB MONITORING WELL SDCO NORTH NATURAL GROUND SDMH NG AT RETAINING WALL SEC NAIL & RIBBON SPECS NAIL & WASHER SLB&M NOT TO SCALE SQ ORIGINAL GROUND SQFT OVERHANG OVERHEAD COMMUNICATIONS OVERHEAD POWER SSMH **OVERHEAD TELEPHONE** ST OVERHEAD TELEVISION STA STD PROPERTY LINE

STM

SYL

POLYVINYL CHLORIDE PIPE TOC RANGE REINFORCED CONCRETE **ROOF DRAIN** REVISION RIGHT-OF-WAY RAILROAD SOUTH SEE ARCHITECTURAL DRAWINGS STORM DRAIN STORM DRAIN CATCH BASIN TSP STORM DRAIN CLEOUNOUT TSB STORM DRAIN MANHOLE UGC SECTION **SPECIFICATIONS** SALT LAKE BASE & MERIDIAN UGT SQUARE SQUARE FEET SQUARE YARD SANITARY SEWER SANITARY SEWER CLEANOUT VP SANITARY SEWER MANHOLE STEAM STATION STANDARD STORM

SOLID YELLOW LINE

POINT OF COMPOUND CURVE SWL

POINT OF INTERSECTION

POINT OF REVERSE CURVE

POINT OF CONNECTION

POINT OF TANGENCY

PARKING METER

PARKING STRIPE

POWER POLE

POWER

SOLID WHITE LINE

TOP BACK OF CURB

TOP FACE OF CURB

TOP FINISH GRADE

TOP OF ASPHALT

TOP OF FOOTING

TOP OF GRATE

TOE OF SLOPE

TOP OF WALL

TELEVISION

TRANSFORMER

UNDERGROUND

UTILITY POLE

VERTICAL PIPE

WEST or WATER

WATER METER

WATER MANHOLE

WATER SURFACE

WATER VALVE

WATERWAY

WATER

COMMUNICATIONS

VITRIFIED CLAY PIPE

UNDERGROUND POWER

UNDERGROUND TELEPHONE

UNDERGROUND TELEVISION

UNLESS NOTED OTHERWISE

WALL

TELEPHONE RISER

TOP OF CONCRETE

TELEPHONE MANHOLE

TOP OF SLOPE or TOP OF

FINISH GRADE AT TOP OF

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL BOX UNDERDRAIN

TOWNSHIP

TELEPHONE

TREE LINE

DRAWING INDEX				
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VICINITY MAP

GENERAL NOTES LEGEND, AND **ABBREVIATIONS** G0.01

PROJECT NO: 18107.A

CHECKED BY: RJP/CEG

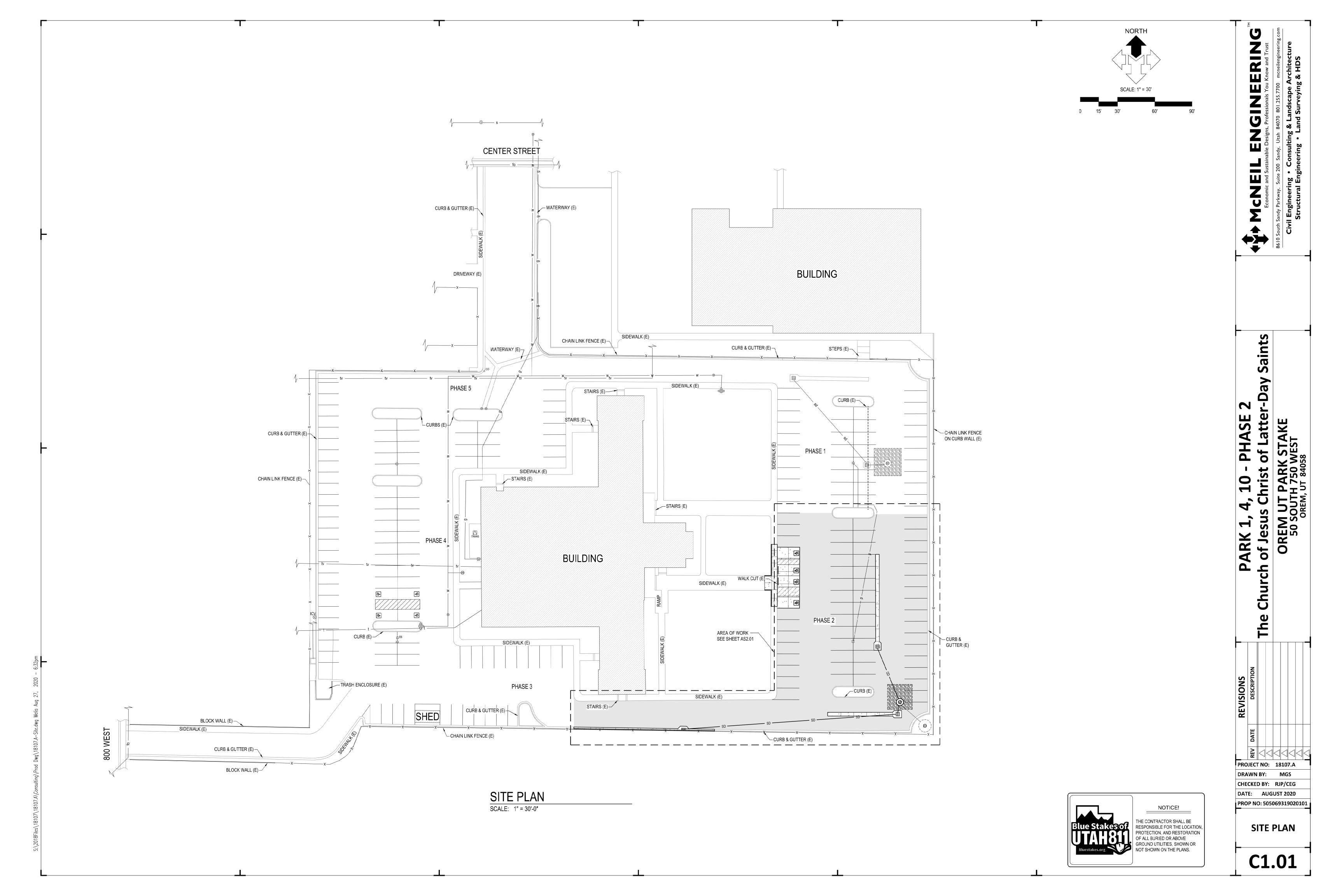
DATE: AUGUST 2020

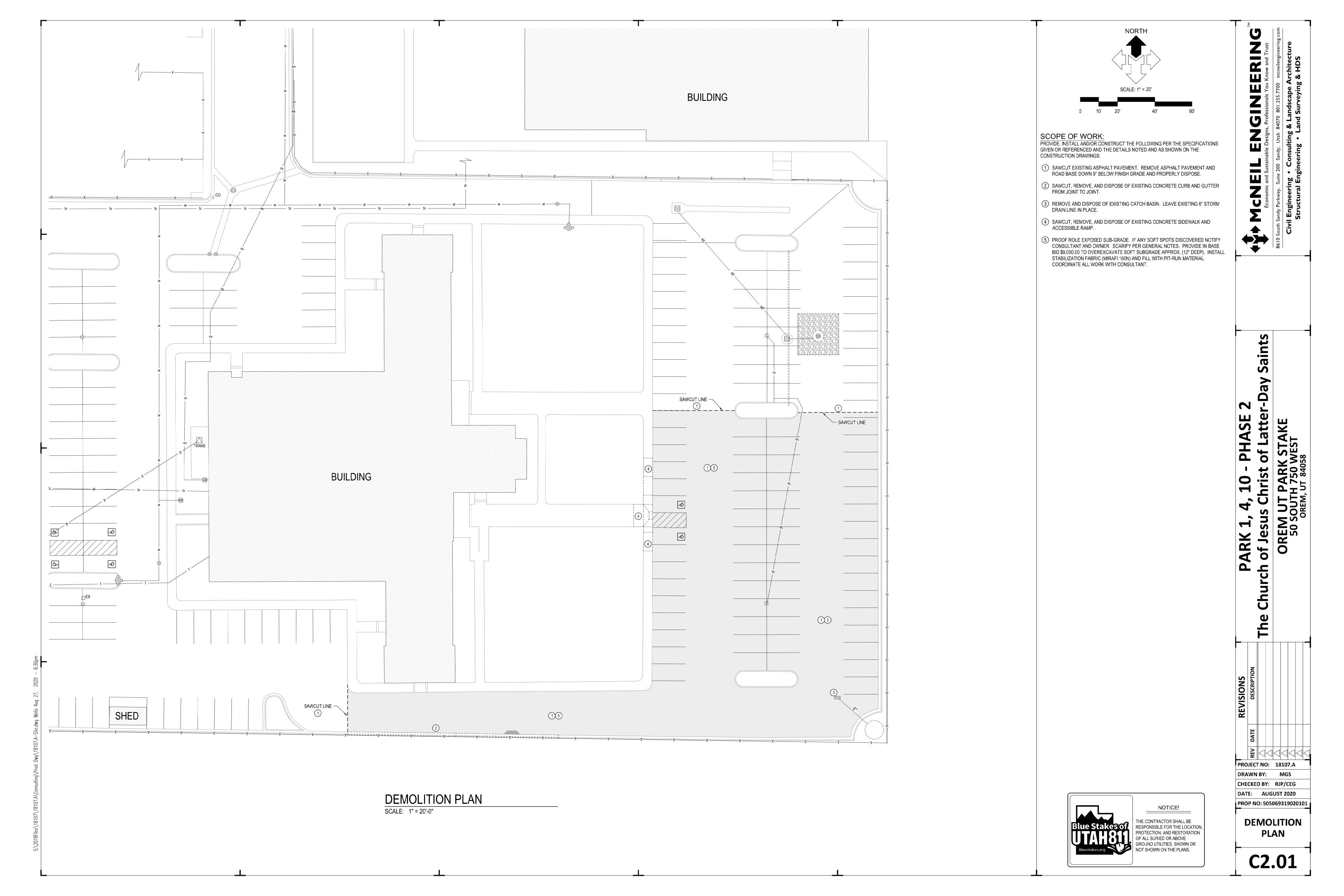
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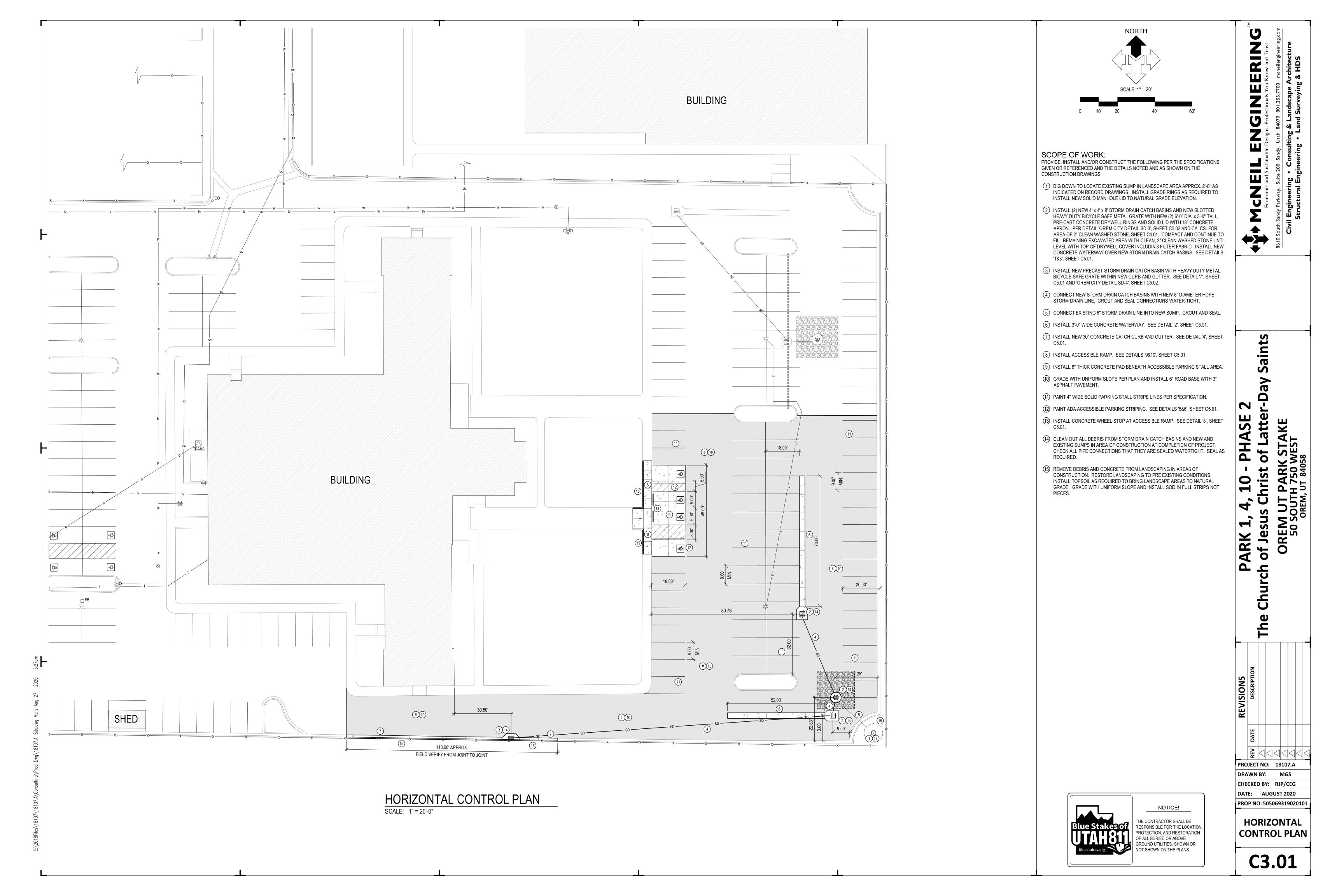
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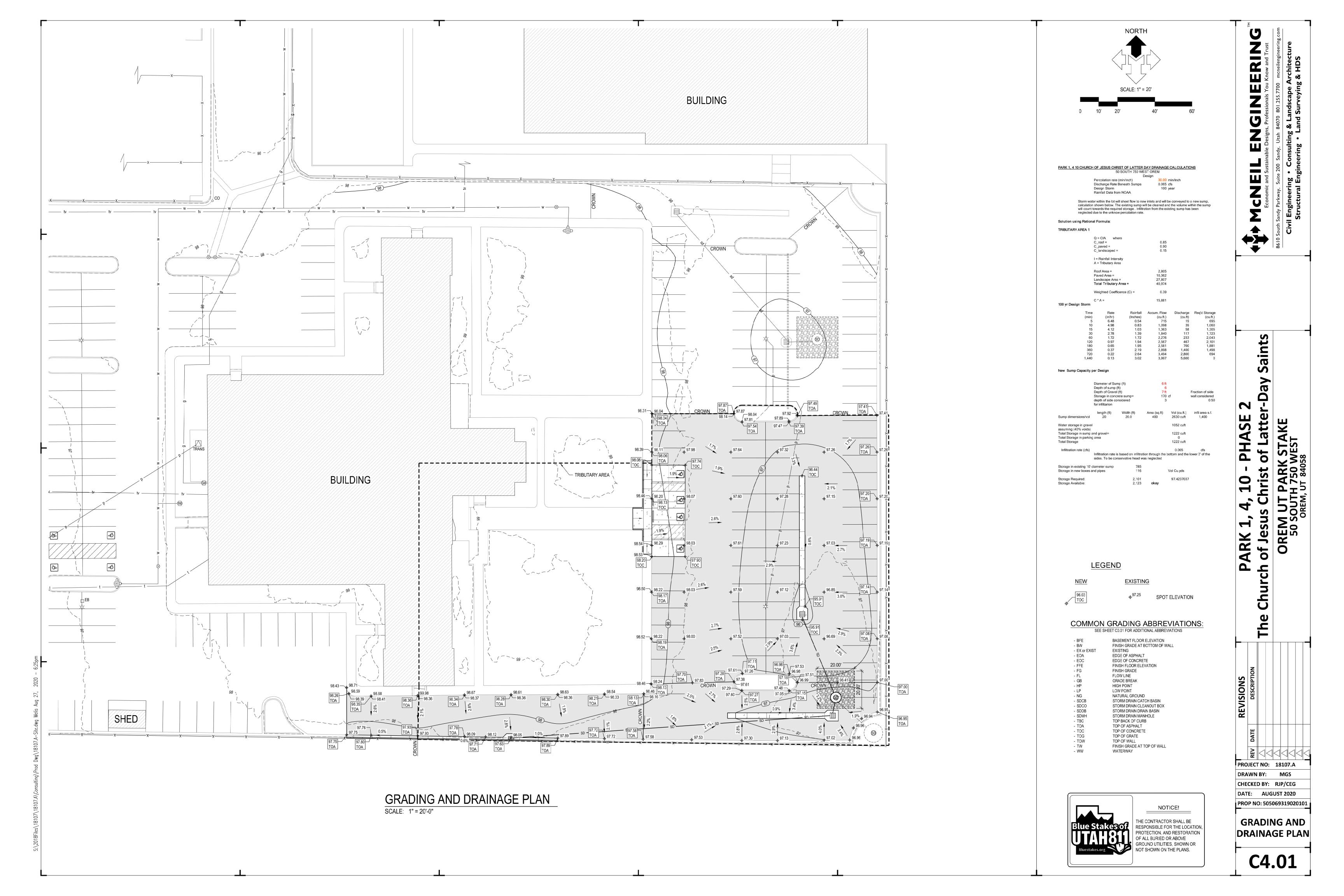
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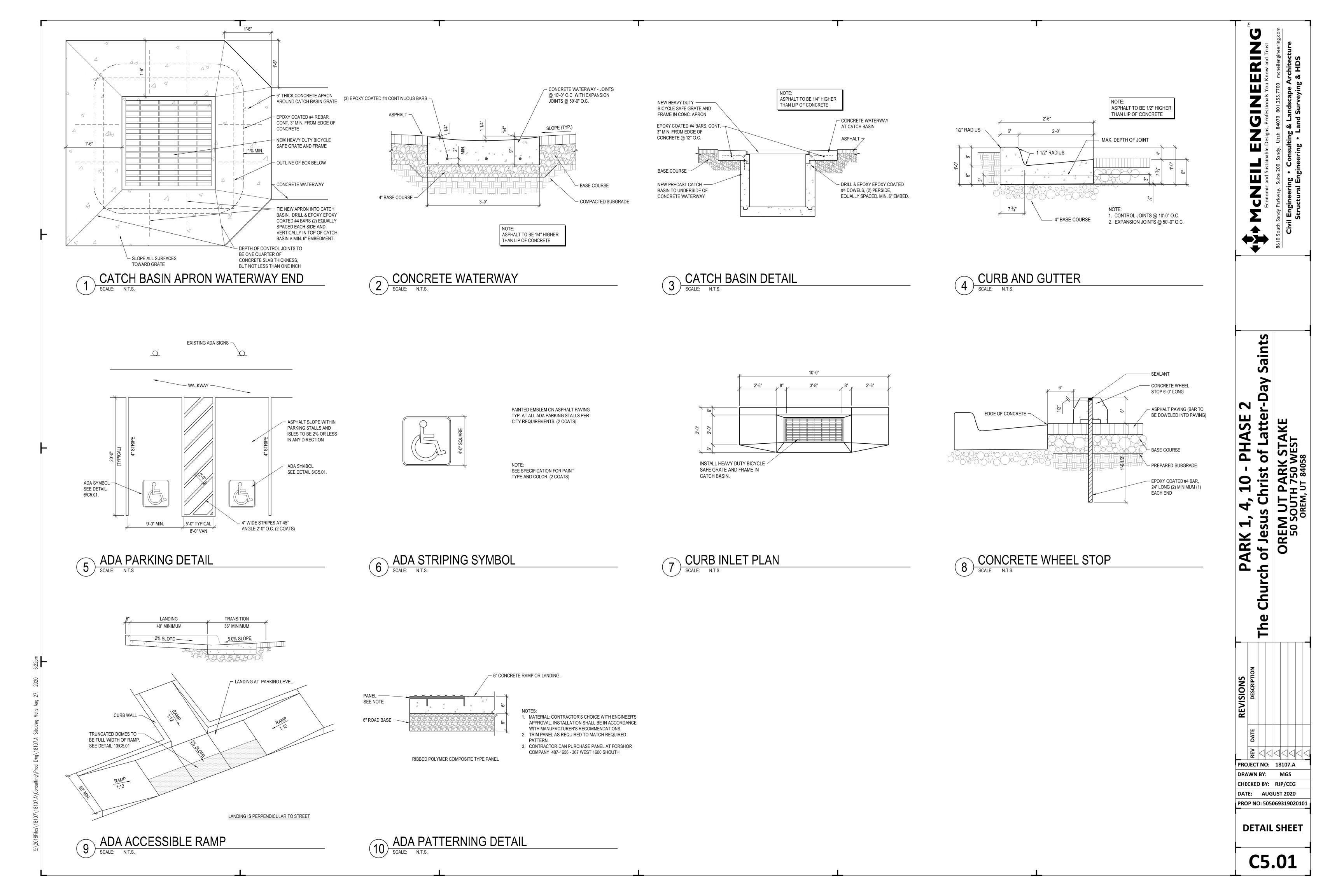
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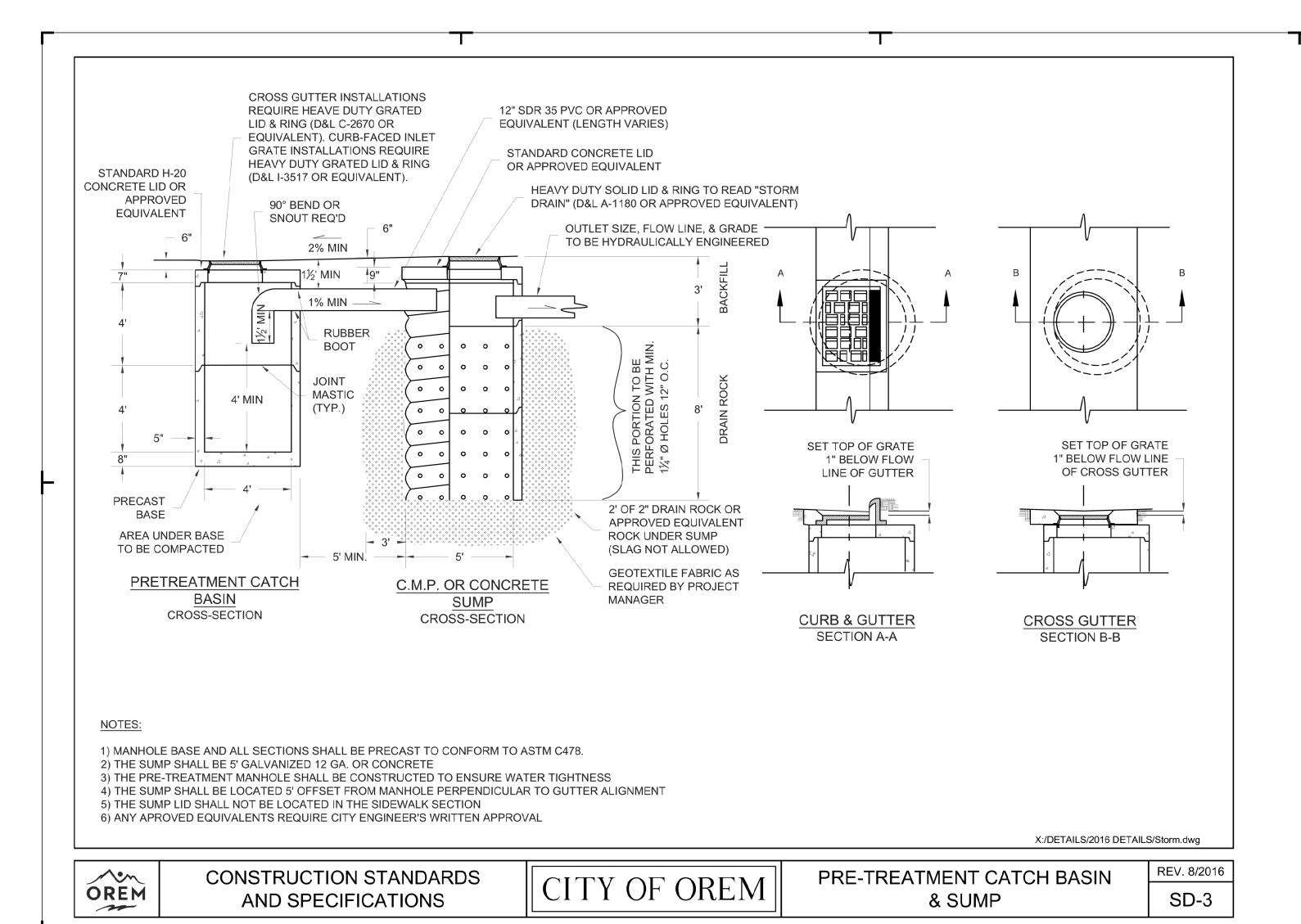


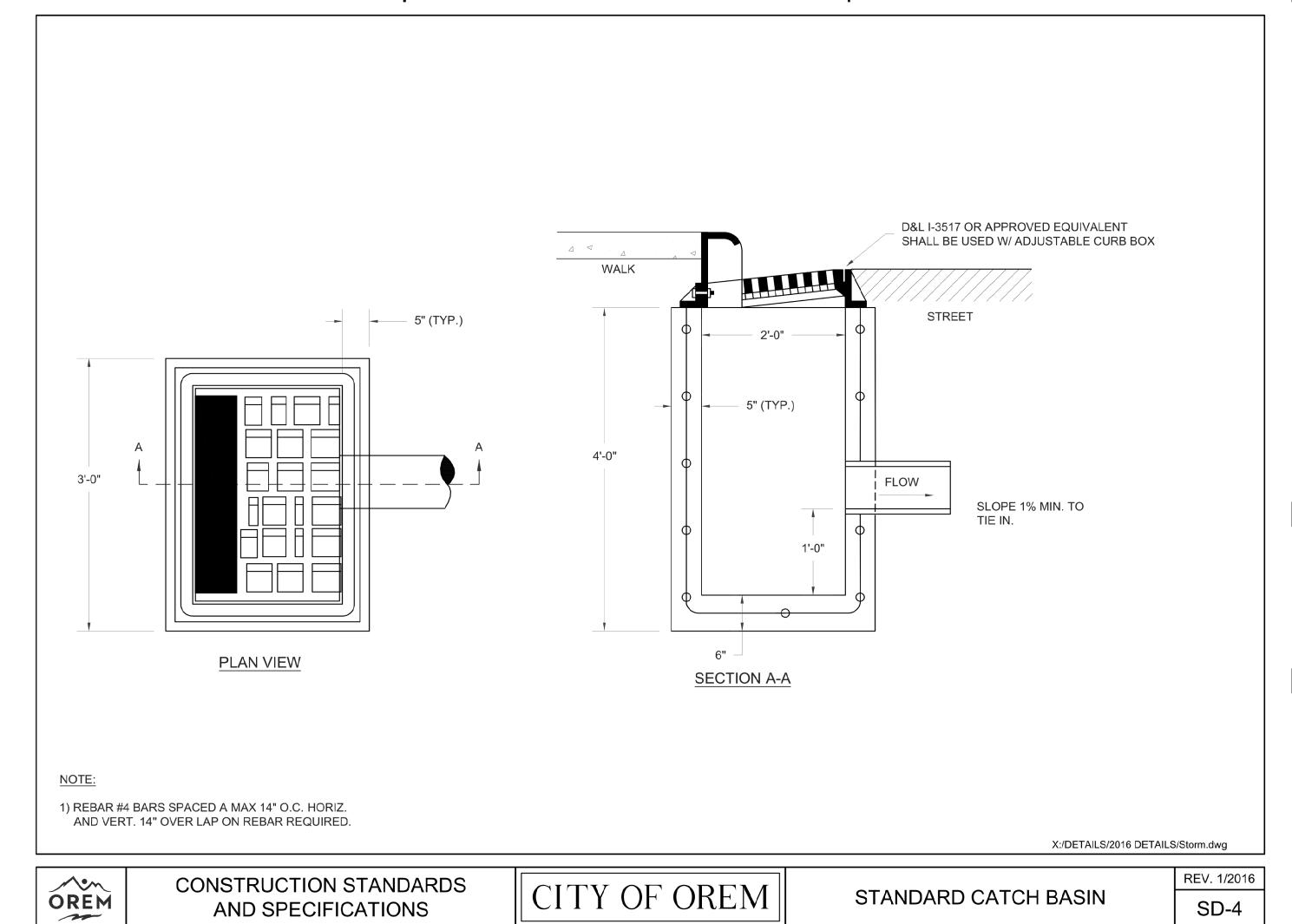












The Church of Jesus Christ of Latter-Day Saints
OREM UT PARK STAKE
50 SOUTH 750 WEST

NGINEERIN

MCNE

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DETAIL SHEET

C5.02