THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS SITE PLAN

CITY COUNCIL MEETING JUNE 20, 2024

Summary: Carl Green representing The Church of Jesus Christ of Latter-day

Saints is seeking site plan approval to expand the parking lot located at

125 North 400 West.

ZONING: R-2 Residential

UTILITIES:

Power: Existing
Culinary: Existing
Sewer: Existing
Irrigation: N/A

PARKING & ROADS: To be expanded

NOTES:

Applicant desires to expand the parking lot to provide parking on-site to alleviate street parking. This will include additional lighting and stormwater retention.

PLANNING COMMISSION NOTES:

Recommended for approval with no conditions.

Access to the additional parking will be through the existing entrances.

Parking is being added to accommodate multiple congregation use and multicongregation events. The main reason for this is to prevent the need for patrons to rely on street parking. The open space for the ball field and pavilion are to be preserved.

Snow removal was discussed. Areas have been delineated for snow removal to maximize parking and limit damage to fences. An additional catch basin has been added to allow redundancy in case of clogging and snow storage obstruction.

Drainage and stormwater handling has been modified to allow for stormwater capture. The existing areas will still drain to the previous sumps with a new sump sized and provided for this addition.

Landscaping has been designed for low water usage. The proposed landscaping will provide for more trees and shrubs while eliminating some turf.

Light pole height was discussed. Concern was raised over the height of the poles. Code states that residential lighting should not be over 15 feet but this is not a residential facility. Lighting was designed to prevent light spillage into adjoining residential lots. Examples of lighting in commercial zones that are adjacent to residential zones were discussed.

17.04.070 Definitions

Lighting-Exterior - "Exterior lighting means temporary or permanent lighting that is installed, located or used in such a manner to cause light rays to shine outdoors. New construction requires dark sky fixtures. Residential lighting shall be mounted at a height equal to or less than the sum of H = (D/3) + 3, where D is the distance in feet to the nearest property boundary, but shall not be higher than fifteen feet (15') from the ground level to the top of the luminaire, whichever is less. Example:

Mounting Pole Height: 15 feet

Distance to Property Line: 36 feet (36/3 = 12 + 3 = 15)

17.28.260 Parking Lot Regulations

Every parcel of land hereafter used as a parking lot shall be paved with a surfacing material of asphalt or concrete composition and shall have appropriate bumper guards, where needed, as determined by the City Engineer. Any lights used to illuminate the lot shall be so arranged as to reflect the light away from adjoining premises in any residential zone.

HYRUM 1, 5, 10 HYRUM UTAH WEST STAKE PARKING ADDITION

125 NORTH 400 WEST HYRUM, UTAH

No. 3/54/3-2202 ROBERT J. POIRIER 05-29-24

5, 10 PARKING ADDITION

HYRUM 1, 5, 10 PARKIN 125 NORTH 400 V HYRUM, UT 8431

REVISIONS

DESCRIPTION

ROJECT NO: 240

PROJECT NO: 24072

DRAWN BY: BKL

CHECKED BY: CEG

DATE: 05/17/24

COVER SHEET

G1.00

MAY, 2024

OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES. 3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.

1.2 PERMITTING AND INSPECTIONS

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

3. CONTRACTOR TO COORDINATE WITH ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO: LANDSCAPE PLANS, SITE ELECTRICAL SITE LIGHTING PLANS AND ELECTRICAL SERVICE TO THE BUILDING(S), MECHANICAL PLANS FOR LOCATION OF SERVICES TO THE BUILDING(S), INCLUDING FIRE PROTECTION, ARCHITECTURAL SITE PLAN FOR DIMENSIONS, ACCESSIBLE ROUTES, ETC., NOT SHOWN ON CIVIL PLANS.

4. CONTRACTOR IS TO COORDINATE LOCATION OF NEW TELEPHONE SERVICE, GAS SERVICE, CABLE, ETC. TO BUILDING WITH THE APPROPRIATE UTILITY COMPANY. FOR TELEPHONE, CONTRACTOR TO FURNISH CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE, AS REQUIRED.

1.4 SAFETY AND PROTECTION

STANDARDS.

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

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

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. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING

12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR

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.

14. 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

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 (95%) 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 (95%) SUBGRADE, UNLESS NOTED OTHERWISE. -SEE SPECIFICATIONS, AND DETAIL 'D1' SHEET C5.01

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. SCARIFY A MINIMUM OF 12" DEEP AND ALLOW TO DRY. RESCARIFY EVERY 2-3 DAYS. 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

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 REPORT.

7. SITE CLEARING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.

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 OF 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

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 RFDONE 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. CULINARY WATER AND FIRE SERVICE LINES TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.

6. SANITARY SEWER MAINS AND LATERALS TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY SEWER DISTRICT STANDARDS AND SPECIFICATIONS. 7. STORM SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING MUNICIPALITY

STANDARDS AND SPECIFICATIONS. 8. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND

9. 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.

10. 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.

11. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROCKS, DIRT, AND CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.

CONDUITS SHALL BE CUT OFF FLUSH WITH THE INSIDE OF THE BOX.

1.8 SURVEY CONTROL

1. 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 THE PLANS. 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

BLUFO BLUG **BLUIRR** BLUSD BLUSS

BLUW

BOB

CBR

COL

CONST

CTREE CUFT

CMP

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

3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.

EXISTING

EXISTING

INLV	LXIOTINO		IVEVV	<u>LXIOTII10</u>	
		MONUMENT LINE		lack	SECTION CORNER (FOUND)
		CENTER LINE		V	
		SUBJECT PROPERTY LINE			SECTION CORNER (NOT FOUND)
		ADJACENT PROPERTY LINE		•	STREET MONUMENT
		EASEMENT LINE		• ⊕	BRASS CAP MONUMENT
		DITCH FLOWLINE	0		POWER POLE
x	x	FENCE LINE	⊕ _{PP}	⊕ _{PP}	UTILITY POLE
ATMS	atms	ATMS CABLE	Ф _{UР}	⊕UP	GUY ANCHOR
CATV	catv	CABLE TV LINE	GUY)	GUY	POWER TRANSFORMER
——с—	c	COMMUNICATIONS LINE	TRANS	TRANS	TRAFFIC SIGNAL CABINET
FO	fo	FIBER-OPTIC CABLE	× _L	∸	LIGHT POLE
———F———	f	FIRE LINE			TELEPHONE RISER
————G———	g	NATURAL GAS LINE	□ _{TR}	□ TR ①	TELEPHONE MANHOLE
IRR	irr	IRRIGATION LINE	(M)	(GM)	GAS METER
——ОНР———	ohp	OVERHEAD POWER LINE	\boxtimes	\boxtimes	TRAFFIC SIGNAL BOX
———P———	p	POWER LINE	(W)	W	WATER MANHOLE
——— P/C ———	——— p/c ———	POWER/COMMUNICATIONS LINE	⊗	\otimes	WATER VALVE
——— P/T ———	p/t	POWER/TELEPHONE LINE	⟨ ₩}	(MM)	WATER METER
——————————————————————————————————————	p/t/c	POWER/TELE/COMM LINE	٥		FIRE HYDRANT
RD	rd	ROOF DRAIN LINE	(§)	S	SANITARY SEWER MANHOLE
sw	sw	SECONDARY WATER LINE	ossco	$^{\circ}$ ssco	SANITARY SEWER CLEANOUT
s	s	SANITARY SEWER LINE	(D)	(SD)	STORM DRAIN MANHOLE
st	st	STEAM LINE			STORM DRAIN CURB INLET
sp	sd	STORM DRAIN LINE			STORM DRAIN CATCH BASIN
——т—	t	TELEPHONE LINE	S D	(SD)	STORM DRAIN CLEANOUT
T/C	t/c	TELEPHONE/COMM LINE	ОВ	ОВ	BOLLARD
UGP	ugp	UNDERGROUND POWER LINE	MB	MB	MAILBOX
W	w	WATER LINE	þ	d	SIGN
[72]	4572	CONTOUR LINE	ightharpoons	ightharpoons	FLOW DIRECTION
		CURB & GUTTER (STD)	96.03 TOC	97.25 EX TOC	SPOT ELEVATION
// \$ // // // / ₂ // \$ // †		CURB & GUTTER (OUTFALL)	July E	Rolling	COMPERANCE THE
		CONCRETE PAVEMENT	Mary Comment	May we will be a second of the	CONIFEROUS TREE
		ASPHALT PAVEMENT			DECIDUOUS TREE

ABBREVIATIONS

ELECTRICAL SCHEDULES

										SHEET	DESCRIPTION
	ACRE AMERICANS WITH	DEL DIA or Ø	DELINEATOR DIAMETER	GM GMH	GAS METER GAS MANHOLE	PCC PI	POINT OF COMPOUND CURV	E SWL	SOLID WHITE LINE TOWNSHIP	G1.00	COVER SHEET
S	DISABILITIES ACT ADVANCED TRAFFIC MGMT.	DIP DTREE	DUCTILE IRON PIPE DECIDUOUS TREE	GUY GV	GUY WIRE GAS VALVE	PM PP	PARKING METER POWER POLE	TBC TELE	TOP BACK OF CURB TELEPHONE	G1.01	GENERAL NOTES, LEGEND AND ABBREVIATIONS
O	SYSTEM BAR & CAP	DYL E	DOUBLE YELLOW LINE EAST	HDPE	HIGH DENSITY POLYETHYLENE	PRC PRK	POINT OF REVERSE CURVE PARKING STRIPE	TFC TFG	TOP FACE OF CURB TOP FINISH GRADE	C0.01	SITE PLAN
	BUILDING CORNER BOTTOM FINISH GRADE	EB EGL	ELECTRIC BOX ENERGY GRADE LINE	HG HGL	HEADGATE HYDRAULIC GRADE LINE	POC PT	POINT OF CONNECTION POINT OF TANGENCY	TL TMH	TREE LINE TELEPHONE MANHOLE	C1.01	DEMOLITION PLAN
<u> </u>	BLUE STAKED ELECTRIC BLUE STAKED FIBER OPTIC	ELEV EM	ELEVATION ELECTRIC METER	HP HW	HIGH POINT HEADWALL or HIGH WATER	PWR PVC	POWER POLYVINYL CHLORIDE PIPE	TOA TOC	TOP OF ASPHALT TOP OF CONCRETE	C2.01	HORIZONTAL CONTROL PLAN
∃ RR	BLUE STAKED NATURAL GAS BLUE STAKED IRRIGATION	EOA	ELECTRIC MANHOLE EDGE OF ASPHALT	HWY ICO	HIGHWAY IRRIGATION CLEANOUT	R RCP	RANGE REINFORCED CONCRETE	TOF TOG	TOP OF FOOTING TOP OF GRATE	C3.01	GRADING AND DRAINAGE PLAN
SD SS	BLUE STAKED STORM DRAIN BLUE STAKED SANITARY	EOG	EDGE OF CONCRETE EDGE OF GRAVEL	ICV IE	IRRIGATION CONTROL VALVE INVERT ELEVATION	RD	PIPE ROOF DRAIN	TOE TOP	TOE OF SLOPE TOP OF SLOPE or TOP OF	C3.02	EROSION CONTROL PLAN
<u>-</u>	SEWER BLUE STAKED TELEPHONE	EOL EX or EXIST	EDGE OF LAWN EXISTING	IRR LF	IRRIGATION LINEAR FEET	REV ROW	REVISION RIGHT-OF-WAY	TOW	PIPE TOP OF WALL TELEPHONE RISER	C5.01	MISCELLANEOUS SITE DETAILS
V	BLUE STAKED WATER BENCHMARK BOTTOM OF FOOTING	F FC FD	FIRE FOUNDATION CORNER FOUND or FOUNDATION DRAI	LIP LP	LIP OF GUTTER LOW POINT or LIGHT POLE MAXIMUM	RR S SAD	RAILROAD SOUTH SEE ARCHITECTURAL	TR TV TW	TELEPHONE RISER TELEVISION FINISH GRADE AT TOP OF	C5.02	EROSION CONTROL DETAILS
	BOTTOM OF POOTING BOTTOM OF BOX BOLLARD	FDC FDMN	FIRE DEPT. CONNECTION FOUND MONUMENT	MIN MON	MINIMUM MONUMENT	SD	DRAWINGS STORM DRAIN	TRANS	WALL TRANSFORMER		
	BOTTOM BLOW-OFF VALVE	FDSC FFE	FOUND SECTION CORNER FINISHED FLOOR ELEVATION	MP	METAL PIPE MONITORING WELL	SDCB SDCO	STORM DRAIN CATCH BASIN STORM DRAIN CLEOUNOUT	I TSP	TRAFFIC SIGNAL POLE TRAFFIC SIGNAL BOX	L111	LANDSCAPE PLANTING PLAN
	BACK OF WALK FINISH GRADE AT BOTTOM C	FG	FINISHED GRADE FIRE HYDRANT	N NG	NORTH NATURAL GROUND	SDMH	BOX STORM DRAIN MANHOLE	UD UGC	UNDERDRAIN UNDERGROUND	L121	LANDSCAPE IRRIGATION PLAN
	WALL CENTERLINE	FL FNC	FLOW LINE FENCE	NGRET NR	NG AT RETAINING WALL NAIL & RIBBON	SEC SPECS	SECTION SPECIFICATIONS	UGP	COMMUNICATIONS UNDERGROUND POWER	L501	LANDSCAPE DETAILS
/	CABLE TELEVISION CONCRETE BARRIER	FNCCL FNCIRN	CHAIN LINK FENCE IRON FENCE	NW NTS	NAIL & WASHER NOT TO SCALE	SLB&M SQ	SALT LAKE BASE & MERIDIAI SQUARE		UNDERGROUND TELEPHONE UNDERGROUND TELEVISION	L502	LANDSCAPE IRRIGATION DETAILS
	CURB CUT COLUMN	FNCVYL FNCWD	VINYL FENCE WOOD FENCE	OG OH	ORIGINAL GROUND OVERHANG	SQFT SQYD	SQUARE FEET SQUARE YARD	U.N.O. UP	UNLESS NOTED OTHERWISE UTILITY POLE	L503	LANDSCAPE IRRIGATION DETAILS
M C	COMMUNICATIONS CONCRETE	FNCWR FO	WIRE FENCE FIBER OPTIC	OHC	OVERHEAD COMMUNICATIONS	SS SSCO	SANITARY SEWER SANITARY SEWER CLEANOU		VITRIFIED CLAY PIPE VERTICAL PIPE	E0.1	ELECTRICAL COVER SHEET
ST	CONSTRUCTION CORRUGATED METAL PIPE	FOW FT	FRONT OF WALK FEET	OHP OHT	OVERHEAD POWER OVERHEAD TELEPHONE	SSMH ST	SANITARY SEWER MANHOLE STEAM	WM	WEST or WATER WATER METER	E0.2	ELECTRICAL SITE PLAN
ΞE	CONTROL POINT CONIFEROUS TREE	G GAR	NATURAL GAS GARAGE	OHTV የ L	OVERHEAD TELEVISION PROPERTY LINE	STA STD	STATION STANDARD	WMH WS	WATER MANHOLE WATER SURFACE	E0.3	SITE PHOTO-METRIC PLAN
Γ D	CUBIC FOOT CUBIC YARD	GB GL	GRADE BREAK GROUND LIGHT	PB PC	POWER BOX POINT OF CURVATURE	STM SYL	STORM SOLID YELLOW LINE	WTR WV	WATER WATER VALVE	E6.1	ELECTRICAL SCHEDULES
								WW	WATERWAY		+

VICINITY MAP

DRAWING INDEX

PROJECT NO: 24072 DRAWN BY:

U

O

N

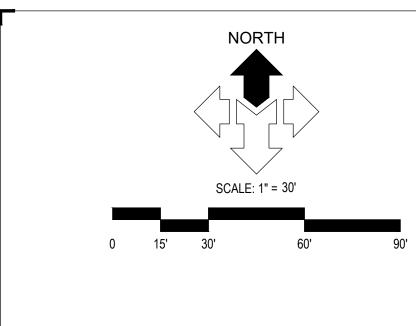
Σ

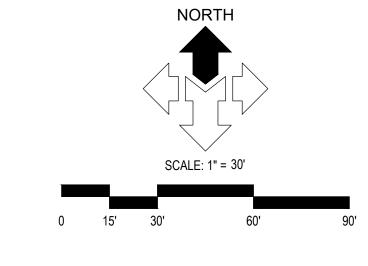
X

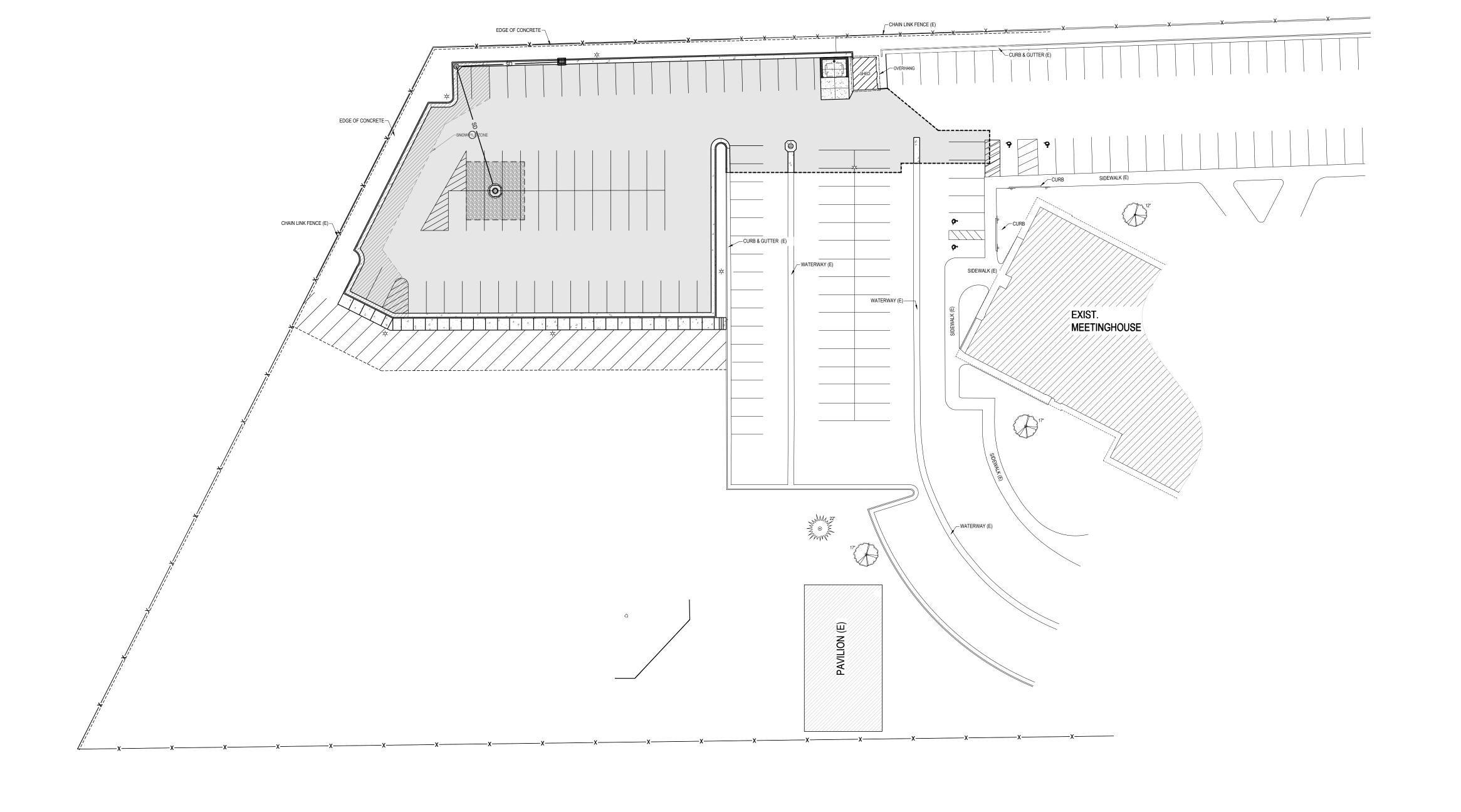
04

CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101 **GENERAL NOTES** LEGEND, AND

ABBREVIATIONS

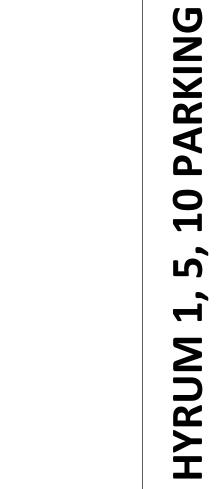






SITE PLAN

SCALE: 1" = 30'-0"



ADDITION

PROJECT NO: 24072

DRAWN BY: BKL CHECKED BY: CEG DATE: 05/17/24

PROP# 516922423010101

SITE PLAN

C0.01

30 WEST 84319 ST STAKE

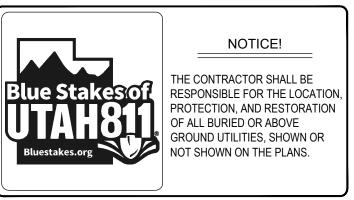
ENGINEERING

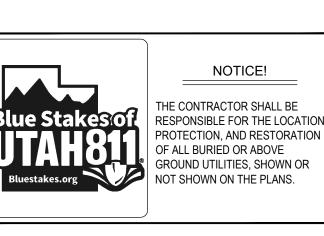
AREA	%
25,116 SQFT	18%
70,308 SQFT	49%
46,755 SQFT	33%
142,179 SQFT	100%
,	
	25,116 SQFT 70,308 SQFT 46,755 SQFT

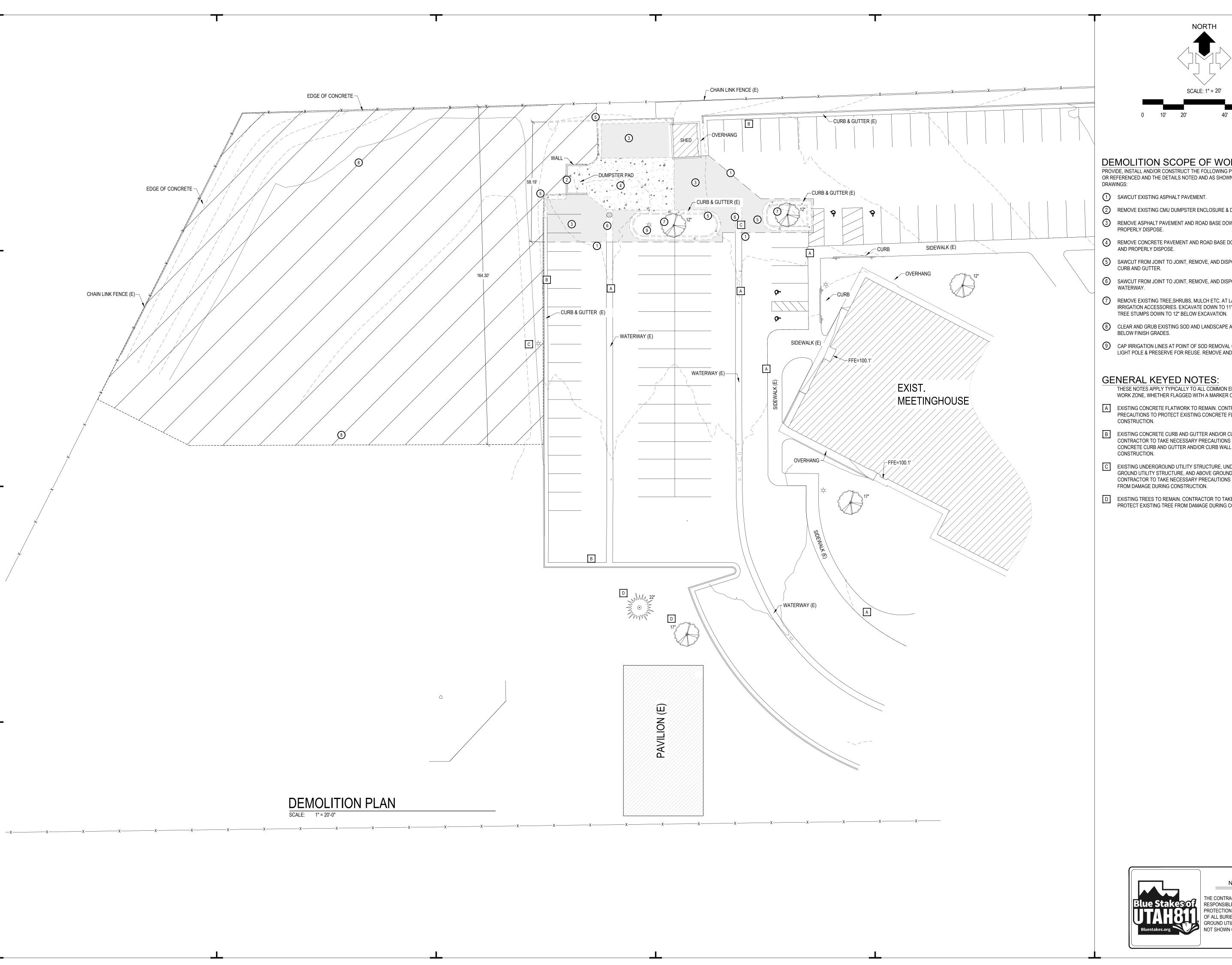
166
3
65
228

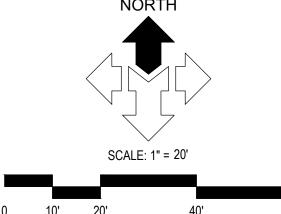
HARDSCAPE LANDSCAPE

BUILDINGS TOTAL









DEMOLITION SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION

- SAWCUT EXISTING ASPHALT PAVEMENT.
- 2 REMOVE EXISTING CMU DUMPSTER ENCLOSURE & DISPOSE.
- 3 REMOVE ASPHALT PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE AND
- 4 REMOVE CONCRETE PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE
- 5 SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER.
- 6 SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE
- 7 REMOVE EXISTING TREE, SHRUBS, MULCH ETC. AT LANDSCAPE ISLAND. REMOVE IRRIGATION ACCESSORIES. EXCAVATE DOWN TO 11" BELOW FINISH GRADES.GRIND
- 8 CLEAR AND GRUB EXISTING SOD AND LANDSCAPE AREAS. EXCAVATE DOWN TO 11"
- 9 CAP IRRIGATION LINES AT POINT OF SOD REMOVAL CARFEFULLY DISCONNECT EXIST. LIGHT POLE & PRESERVE FOR REUSE. REMOVE AND DISPOSE OF CONCRETE BASE

GENERAL KEYED NOTES:

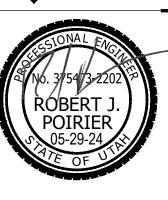
- THESE NOTES APPLY TYPICALLY TO ALL COMMON ELEMENTS THROUGHOUT THE WORK ZONE, WHETHER FLAGGED WITH A MARKER OR NOT:
- A EXISTING CONCRETE FLATWORK TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE FLATWORK FROM DAMAGE DURING
- B EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL FROM DAMAGE DURING
- C EXISTING UNDERGROUND UTILITY STRUCTURE, UNDERGROUND UTILITY LINE, ABOVE GROUND UTILITY STRUCTURE, AND ABOVE GROUND UTILITY LINE TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FROM DAMAGE DURING CONSTRUCTION.
- D EXISTING TREES TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO

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.



U



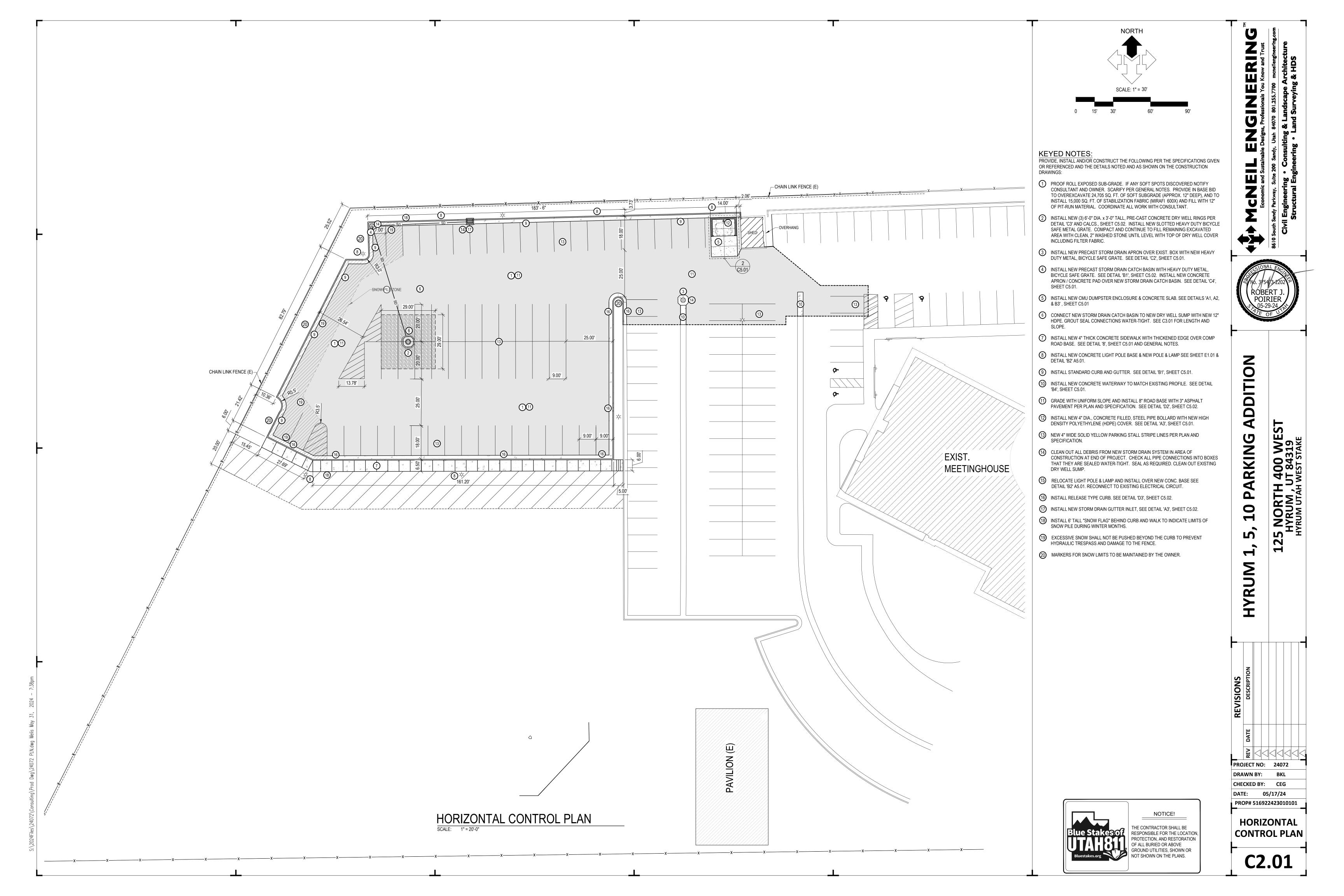
0 W| 34319 T STAKE 1,

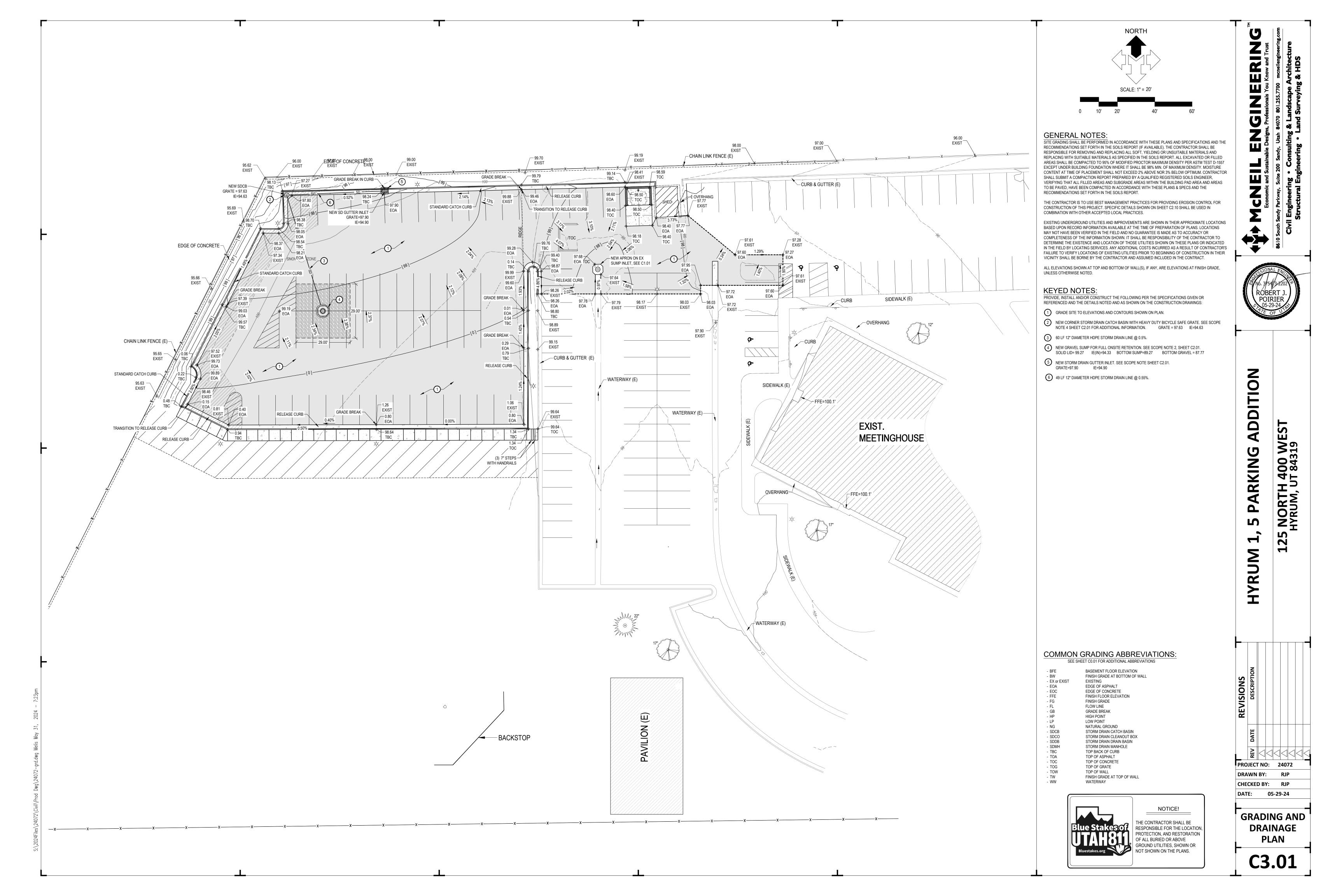
HYRUM

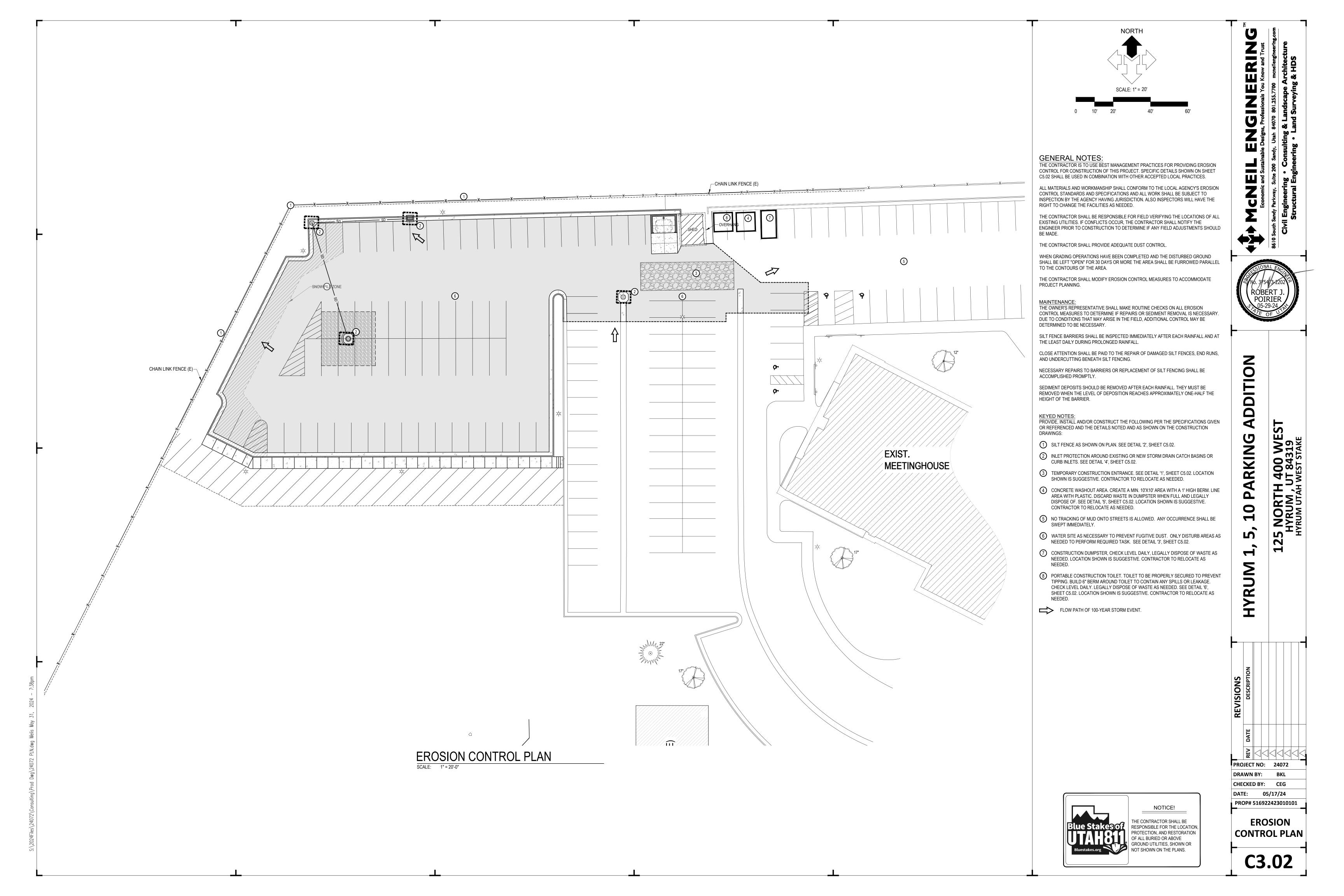
PROJECT NO: 24072 DRAWN BY: CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101

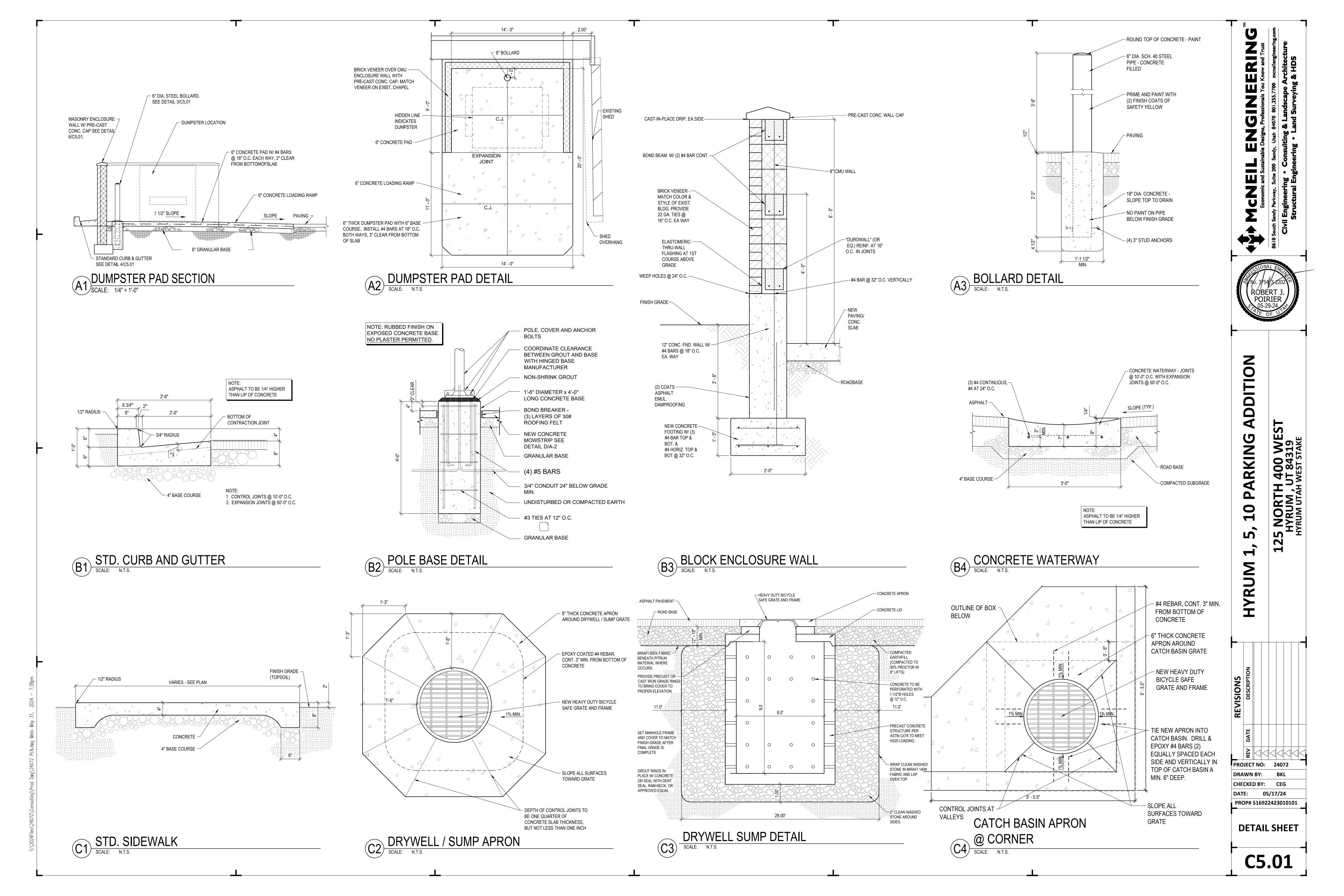
DEMO PLAN

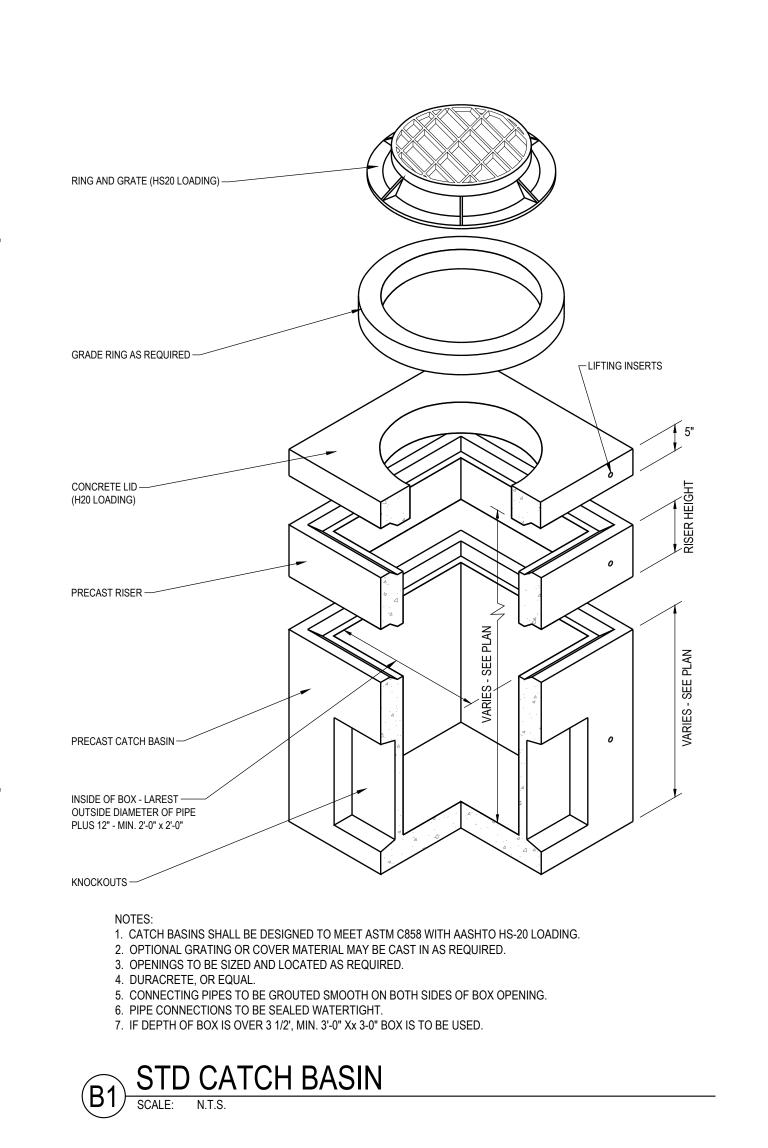
C1.01









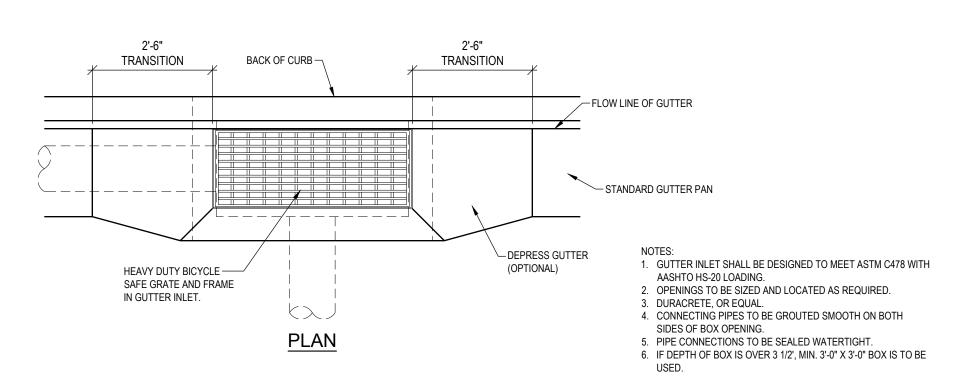


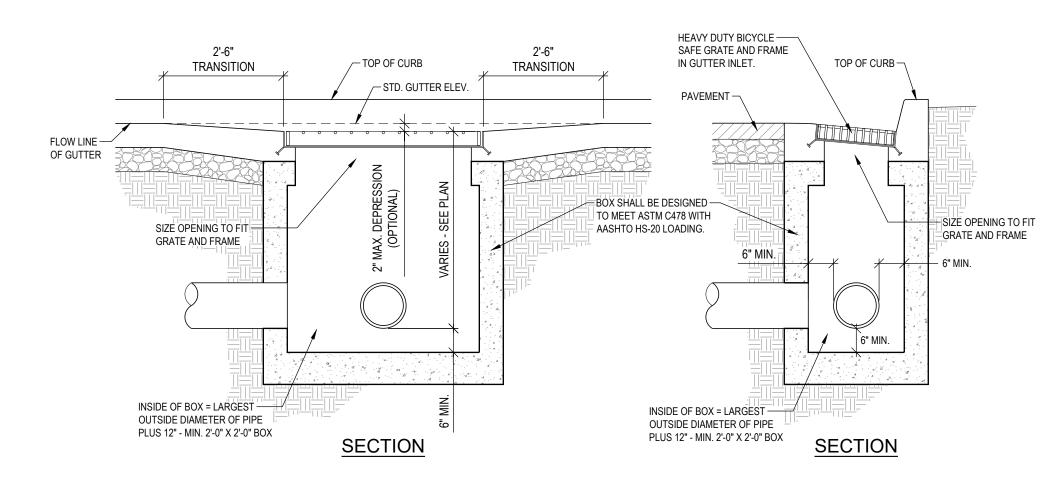
∕-MIRAFI 600X FABRIC BENEATH PITRUN MATERIAL WHERE OCCURS - ASPHALT PAVEMENT, (SEE SPECIFICATIONS) - ROAD BASE PREPARED SUBGRADE. UNDISTURBED SOILS PARKING AREAS **ASPHALT ROAD BASE** PREPARED SUBGRADE NOTE: REFER TO SOILS REPORT FOR PROJECT SECTION SOILS REPORT OVERIDES.

TIP GUTTER 1/2" AWAY FROM CURB AS INDICATED BY DRAINAGE PLAN - MAX. DEPTH OF JOINT CONST. JOINTS @ 10'-0" O.C. EXPANSION JOINTS @ 50'-0" O.C.

D2 ASPHALTIC PAVEMENT SECTION
SCALE: N.T.S.

D3 SCALE: N.T.S.







HYRUM 1, 5 PAR	ITION		
125 N 400 W HYF	RUM, UTAH		
	Design		
Percolation rate (min/inch)	60.00	min/inch	
Discharge Rate Beneath Sumps	0.046	cfs	
Design Storm	100	year	
Rainfall Data from NOAA			

Storm water within the new parking lot will sheet flow to the northwest corner of the site where it will be collected by a pair catch basins and conveyed via 12" HDPE pipe to the new sump in the parking area. The runoff will infiltrate into the surrounding gravel. To be conservative pressure head was neglected in the calculations to increase longevity

olution using Rationa	l Formula:				
RIBUTARY AREA 1					
	Q = CIA w	here			
	C_roof =	riere	0.85		
	C_paved =		0.90		
	C_landscaped	=	0.15		
	<u></u>		0110		
	I = Rainfall Inte	nsity			
	A = Tributary A	-			
	•				
	Roof Area =		0		
	Paved Area =		26,893		
	Landscape Are	ea =	0		
	Total Tributar	y Area =	26,893		
	Weighted Coef	ficence (C) =	0.90		
5 N N N N N N N N N N N N N N N N N N N	C * A =		24,204		
00 yr Design Storm					
	5 .	5		D: 1	D 110:
Time		Rainfall	Accum. Flow	Discharge	Req'd Storage
(min)	(in/hr)	(Inches)	(cu.ft.)	(cu.ft)	(cu.ft.)
5		0.54	1,089	14	1,075
10		0.82	1,654	28	1,626
15		1.01	2,037	42	1,995

(in/hr) 6.48 4.92 4.04 2.72 1.68 0.92	(Inches) 0.54 0.82 1.01 1.36 1.68	(cu.ft.) 1,089 1,654 2,037 2,743 3,389	(cu.ft) 14 28 42 83 167	(cu.ft.) 1,075 1,626 1,995 2,660 3,222
4.92 4.04 2.72 1.68	0.82 1.01 1.36 1.68	1,654 2,037 2,743	28 42 83	1,626 1,995 2,660
4.04 2.72 1.68	1.01 1.36 1.68	2,037 2,743	42 83	1,995 2,660
2.72 1.68	1.36 1.68	2,743	83	2,660
1.68	1.68			,
		3,389	167	3 222
0.92	101			3,222
	1.84	3,711	334	3,378
0.62	1.86	3,752	500	3,251
0.33	1.99	4,014	1,001	3,013
0.20	2.34	4,720	2,001	2,719
0.10	2.46	4,962	4,002	960
Design				
	Design	Design	Design	Design

	Diameter of Sun	np (ft)	6 ft			
	Depth of sump ((ft)	9			
	Depth of Gravel	(ft)	10 ft		Fraction of side wall considered	
	Storage in conc	rete sump=	254	cf		
	depth of side considered		9	1.0		
	for infiltarion					
	length (ft)	Width (ft)	Area (sq.ft)	Vol (cu.ft.)	infil area s.f.	
Sump dimensions/vol	29	29.0	841	8156 cuft	2,001	
Water storage in gravel				3262 cuft		
assuming (40% voids)						
Total Storage in sump a	ind gravel=			3517 cuft		
Total Storage in parking	j area			0		
Total Storage				3517 cuft		
Infiltration rate (cfs)				0.046	cfs	

Infiltration rate is based on infiltration through the bottom and

	sides. To be conservative hea	ıd was neglected	
		_	Vol Cu.yds
Storage Required:	3	,378	302.0614815
Storage Available:	3	,517 okay	

ADDITIO SUNE **34319** ST STAKE **PARI** 10 5

7

HYRUM

NGINEERING

CNEIL

PROJECT NO: 24072 DRAWN BY: BKL CHECKED BY: CEG DATE: 05/17/24 PROP# 516922423010101

DETAIL SHEET

C5.02

A STABILIZED PAD OF CRUSHED STONE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE FROM OR TO PAVED SURFACE.

AT ANY POINT OF INGRESS OR EGRESS AT A CONSTRUCTION SITE WHERE ADJACENT TRAVELED WAY IS PAVED. GENERALLY APPLIES TO SITES OVER 2 ACRES UNLESS SPECIAL

INSTALLATION/APPLICATION CRITERIA: CLEAR GRUB AREA AND GRADE TO PROVIDE MAXIMUM SLOPE OF 2%. COMPACT SUB GRADE AND PLACE FILTER FABRIC IF DESIRED (RECOMMENDED FOR

ENTRANCES TO REMAIN FOR MORE THAN 3 MONTHS. PLACE COARSE AGGREGATE, 1 TO 2-1/2 INCHES IN SIZE, TO A MINIMUM DEPTH OF 8 INCHES.

LIMITATIONS: REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONES.

 SHOULD BE USED IN CONJUNCTION WITH STREET SWEEPING ON ADJACENT PUBLIC RIGHT-OF-WAY.

MAINTENANCE:

- INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP. INSPECT ADJACENT ROADWAY FOR SEDIMENT DEPOSIT AND CLEAN BY SWEEPING OR
- REPAIR ENTRANCE AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.
- EXPAND STABILIZED AREA AS REQUIRED TO ACCOMMODATE TRAFFIC AND PREVENT EROSION AT DRIVEWAYS.

OBJECTIVES

- HOUSEKEEPING PRACTICES
- MINIMIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER □ CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- OIL & GREASE
- □ FLOATABLE MATERIALS
- HIGH IMPACT

IMPLEMENTATION REQUIREMENTS

- & M COSTS
- □ TRAINING

(2X4 WOOD POSTS OR STEEL

SECURE FABRIC TO MESH

APPLICATIONS:

MAINTENANCE

PROLONGED RAINFALL.

WITH TWINE, STAPLES OR SIMILAR

A TEMPORARY SEDIMENT BARRIER CONSISTING OF ENTRENCHED FILTER FABRIC

PERIMETER CONTROL: PLACE BARRIER AT DOWNGRADE LIMITS OF DISTURBANCE.

PROTECTION OF EXISTING WATERWAYS: PLACE BARRIER AT TOP OF STREAM BANK

PLACE POSTS 6 FEET APART ON CENTER ALONG CONTOUR (OR USE PRE-ASSEMBLED

SECURE WIRE MESH (14 GAGE MIN. WITH 6 INCH OPENINGS) TO UPSLOPE SIDE OF

CUT FABRIC TO REQUIRED WIDTH, UNROLL ALONG LENGTH OF BARRIER AND DRAPE

RECOMMENDED MAXIMUM DRAINAGE AREA OF 0.5 ACRE PER 100 FEET OF FENCE.

RECOMMENDED MAXIMUM UPGRADIENT SLOPE LENGTH OF 150 FEET.

INSPECT IMMEDIATELY AFTER ANY RAINFALL AND AT LEAST DAILY DURING

REANCHOR FENCE AS NECESSARY TO PREVENT SHORTCUTTING.

LOOK FOR RUNOFF BYPASSING ENDS OF BARRIERS OR UNDERCUTTING BARRIERS.

REPAIR OR REPLACE DAMAGED AREAS OF THE BARRIER AND REMOVE ACCUMULATED

REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.

UNIT) AND DRIVE 2 FEET MINIMUM INTO GROUND. EXCAVATE AN ANCHOR TRENCH

POSTS. ATTACH WITH HEAVY DUTY 1 INCH LONG WIRE STAPLES, TIE WIRES OR HOG

OVER BARRIER. SECURE FABRIC TO MESH WITH TWINE, STAPLES, OR SIMILAR, WITH

SEDIMENT BARRIER: PLACE BARRIER AT TOE OF SLOPE OR SOIL STOCKPILE.

INLET PROTECTION: PLACE FENCE SURROUNDING CATCH BASINS

STRETCHED ACROSS AND SECURED TO SUPPORTING POSTS.

INSTALLATION/APPLICATION CRITERIA:

IMMEDIATELY UPGRADIENT OF POSTS

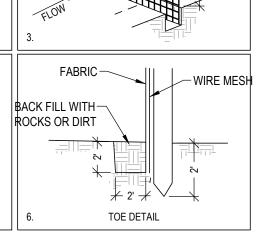
BACKFILL OVER FILTER FABRIC TO ANCHOR.

TRAILING EDGE EXTENDING INTO ANCHOR TRENCH.

RECOMMENDED MAXIMUM UPHILL GRADE OF 2:1 (50%).

RECOMMENDED MAXIMUM FLOW RATE OF 0.5 CFS.

PONDING SHOULD NOT BE ALLOWED BEHIND FENCE.



SECURE MESH TO POSTS WITH

WIRE STAPLES 1" LONG OR TIE WIRES OR HOG RINGS

- HOUSEKEEPING PRACTICES CONTAIN WASTE
- MINIMIZE DISTURBED AREA
- STABILIZE DISTURBED AREA
- PROTÆCT SLOPES/CHANNELS CONTROL SITE PERIMETER
- CONTROL INTERNAL EROSION

TARGETED POLLUTANTS

- SEDIMENT
- NUTRIENTS
- TOXIC MATERIALS
- OIL & GREASE □ FLOATABLE MATERIALS
- OTHER WASTE
- HIGH IMPACT
- MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS

- CAPITAL COSTS
- O & M COSTS
- MAINTENANCE
- □ TRAINING

DUST CONTROLS

- 1.0 DESCRIPTION: DUST CONTROL MEASURES ARE USED TO STABILIZE SOIL FROM WIND EROSION, AND REDUCE DUST BY CONSTRUCTION ACTIVITIES.
- 2.0 APPLICATION:
 - 1. DUST CONTROL IS USEFUL IN ANY PROCESS AREA, LOADING AND UNLOADING AREA, MATERIAL HANDLING AREAS, AND TRANSFER AREAS WHERE DUST IS GENERATED. STREET SWEEPING IS LIMITED TO AREAS THAT ARE PAVED.
- 3.0 INSTALLATION/APPLICATION CRITERIA: 1. MECHANICAL DUST COLLECTION SYSTEMS ARE DESIGNED ACCORDING TO THE SIZE OF
- DUST PARTICLES AND THE AMOUNT OF AIR TO BE PROCESSED. MANUFACTURERS RECOMMENDATIONS SHOULD BE FOLLOWED FOR INSTALLATION (AS WELL AS THE DESIGN OF THE EQUIPMENT)
- 2. TWO KINDS OF STREET SWEEPERS ARE COMMON: BRUSH AND VACUUM. VACUUM SWEEPERS ARE MORE EFFICIENT AND WORK BEST WHEN THE AREA IS DRY. 3. MECHANICAL EQUIPMENT SHOULD BE OPERATED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND SHOULD BE INSPECTED REGULARLY.

4.0 LIMITATIONS: 1. IS GENERALLY MORE EXPENSIVE THAN MANUAL SYSTEMS.

- 2. MAY BE IMPOSSIBLE TO MAINTAIN BY PLANT PERSONNEL (THE MORE ELABORATE
- 3. IS LABOR AND EQUIPMENT INTENSIVE AND MAY NOT BE EFFECTIVE FOR ALL POLLUTANTS (STREET SWEEPERS).

5.0 MAINTENANCE

1. IF WATER SPRAYER ARE USED, DUST-CONTAMINATED WATERS SHOULD BE COLLECTED AND TAKEN FOR TREATMENT. AREAS WILL PROBABLY NEED TO BE RESPRAYED TO KEEP DUST FROM SPREADING.

OBJECTIVES

- HOUSEKEEPING PRACTICES
- CONTAIN WASTE
- MINIMIZE DISTURBED AREA
- STABILIZE DISTURBED AREA PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER

CONTROL INTERNAL EROSION

U

TARGETED POLLUTANTS

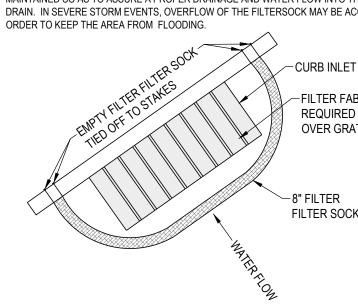
- SEDIMENT
- NUTRIENTS TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS OTHER WASTE
- HIGH IMPACT
- MEDIUM IMPACT □ LOW OR UNKNOWN IMPACT

- IMPLEMENTATION REQUIREMENTS CAPITAL COSTS
- □ O & M COSTS
- MAINTENANCE
- ▼ TRAINING



FILTERSOCK SPECIFICATION:

- THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.
- FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC
- FOR COMPOST"
- LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION"
- D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.
- E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- 1. FILTREXX FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION ON CONSTRUCTION
- BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS
- COMPLETE PROTECTION OF THE INLET AREA INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE.
- IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE 5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2. 6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE



- CONTAIN WASTE
- □ STABILIZE DISTURBED AREA

- NUTRIENTS
- TOXIC MATERIALS
- OTHER WASTE
- MEDIUM IMPACT

□ LOW OR UNKNOWN IMPACT

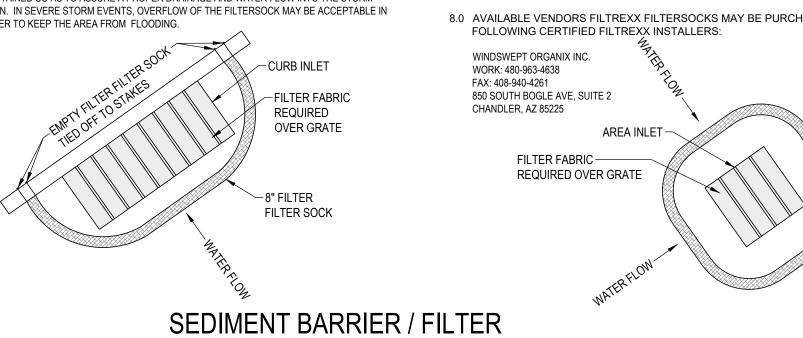
- CAPITAL COSTS
- MAINTENANCE

■ HIGH ⋈ MEDIUM □ LOW

STABILIZED CONSTRUCTION ENTRANCE

FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

- 1.0 DESCRIPTION: NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS
- 1. COMPOST: COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED PRODUCED USING AN AFROBIC COMPOSTING PROCESS MEETING CER 503 REGULATIONS INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE
- GUIDELINES FOR LABORATORY PROCEDURES:
- A. PH 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A 1/2" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98 % SHALL NOT EXCEED 3 INCHES IN
- C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
- 3.0 CONSTRUCTION AND INSTALLATION OF FILTREXX FILTERSOCKS:
- SITES WHICH REQUIRE PROTECTION AGAINST SEDIMENT LADEN WATER AFTER STORM 2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED
- ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE 4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS.
- MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN

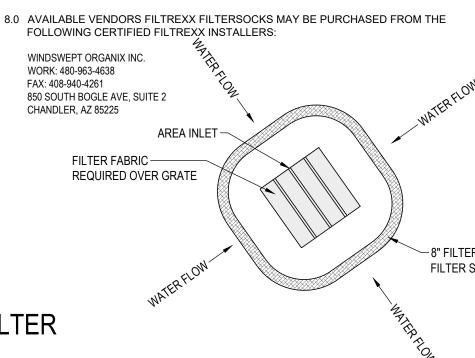


SOCK PROTECTION

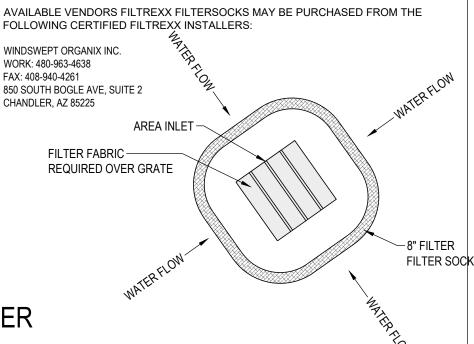
- LANDSCAPE, FILTERSOCKS MAY BE SEEDED DURING TIME OF MANUFACTURE TO CREATE A ABOVE WITH "LIVING FILTREXX FILTERSOCKS"
- 1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT
- 1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM
- REQUIREMENTS AS NEEDED A MORE EFFECTIVE ALTERNATIVE. FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM).

© REPLENISH

- 7.0 APPLICATION GUIDELINES: 1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOBSITE
- PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0. 2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOB SITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8"
- APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC. 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM).



- 7 THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER TO THE DRAIN ITSELF. ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE
- 8. FOR AREAS WHERE FILTERSOCKS ARE TO BE LEFT AS A PERMANENT PART OF THE
- 3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY THE ENGINEER 4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS
- UNDER THEM AS SEDIMENT COLLECTS. 5.0 METHOD OF MEASUREMENT:
- 2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY
- - USING A 3 MIL TUBULAR HDPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST
- MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS
- DURING TIME OF BID OR AT TIME OF APPLICATION.



- FILTERSOCKS. SEE BELOW SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION. LIVING SOCK. FOR SEEDING OPTIONS, THE ENGINEER MAY SIMPLY REPLACE ALL LANGUAGE
- ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED. 2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
- DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR. 5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING

BID ITEMS SHALL SHOW MEASUREMENT AS `FILTREXX FILTERSOCK' PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER.

- AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION
- CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.
- CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN

— CONTAINMENT EARCH BERM ALL AROUND LOCATE 50' FROM NEAREST -DRAINAGE AREA

- **OBJECTIVES** HOUSEKEEPING PRACTICES
- MINIMIZE DISTURBED AREA

□ STABILIZE DISTURBED AREA

□ PROTECT SLOPES/CHANNELS

□ CONTROL SITE PERIMETER

- □ CONTROL INTERNAL EROSION
- SEDIMENT
- NUTRIENTS TOXIC MATERIALS

PONDING STORAGE

 STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE. PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS

AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER WITHIN A BERMED

 DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS. DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED.

PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM

IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

THIS TECHNIQUE IS APPLICABLE TO ALL TYPES OF SITES.

INSTALLATION/APPLICATION CRITERIA:

CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETÉ WASTE

INSPECT SUBCONTRACTORS T ENSURE THAT CONCRETE WASTES ARE BEING

WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE

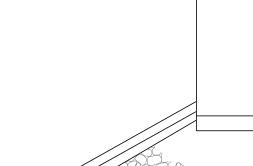
OR LEVEL AREA (SEE EARTH BERM BARRIER INFORMATION SHEET.)

- OFF-SITE WASHOUT OF CONCRETE WASTES MAY NOT ALWAYS BE POSSIBLE.

IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS.

- CAPITAL COSTS

CONCRETE WASTE MANAGEMENT



- TARGETED POLLUTANTS
- □ OIL & GREASE □ FLOATABLE MATERIALS

OTHER WASTE

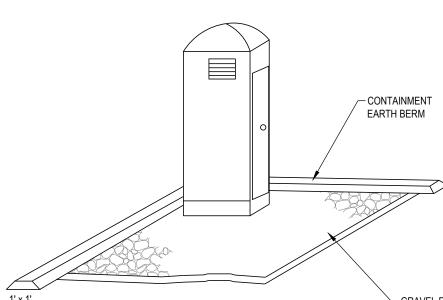
MEDIUM IMPACT

- HIGH IMPACT
- □ LOW OR UNKNOWN IMPACT
- IMPLEMENTATION REQUIREMENTS

□ O & M COSTS

MAINTENANCE

WITH APPROPRIATE AGENCY APPROVAL.



STABILIZE DISTURBED AREA

- SEDIMENT
- TEMPORARY ON-SITE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL.
- INSTALLATION/APPLICATION CRITERIA: LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE. PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS

ALL SITES WITH NO PERMANENT SANITARY FACILITIES OR WHERE PERMANENT

CONSTRUCT EARTH BERM PERIMETER (SEE EARTH BERM BARRIER INFORMATION SHEET), CONTROL FOR SPILL/PROTECTION LEAK.

FACILITY IS TO FAR FROM ACTIVITIES.

FOR SERVICING AND FOR ON-SITE PERSONNEL

LIMITATIONS: NO LIMITATIONS

- PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED
- SERVICE WITH DAILY OBSERVATION FOR LEAK DETECTION. REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE. ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT



OBJECTIVES

- CONTAIN WASTE □ MINIMIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS □ CONTROL SITE PERIMETER

CONTROL INTERNAL EROSION

- TARGETED POLLUTANTS
- NUTRIENTS TOXIC MATERIALS

□ OIL & GREASE

HIGH IMPACT

MEDIUM IMPACT

OTHER WASTE

FLOATABLE MATERIALS

□ LOW OR UNKNOWN IMPACT

- IMPLEMENTATION REQUIREMENTS
- □ CAPITAL COSTS □ O & M COSTS

MAINTENANCE

PROJECT NO: 24072 DRAWN BY: BKL CHECKED BY: CEG DATE: 05/17/24

PROP# 516922423010101 **EROSION** CONTROL

DETAIL SHEET

DETAIL

D/L501

B/L501

B/L501

A/L501

DETAIL

G/L501

E/L501

CHANSHARE FARMS (866) SOD-EASY OR APPROVED

CRUSHED ROCK FROM BROWN'S CANYON QUARRY. CONTACT ONE SOURCE MATERIALS, ONESOURCEMATERIALS.COM, (385) 447-9374.

NOTICE!

2'-4' DIAMETER IN ALL DIRECTIONS

BOULDERS FROM BROWN'S CANYON QUARRY. CONTACT ONE SOURCE MATERIALS, ONESOURCEMATERIALS.COM,

(385) 447-9374.

PARKING

5

APRIL 2024

DESCRIPTION

DATE:

REV DATE

LANDSCAPE PLANTING PLAN

LANDSCAPE SCHEDULE QTY. COMMON NAME DECIDUOUS TREES

AMERICAN HORNBEAM CARPINUS CAROLINIANA

BOTANICAL NAME

ULMUS PARVIFLORA 'ELMER II'

PINUS SYLVESTRIS 'HILLSIDE CREEPER'

INSTRUCTIONS

CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'

INSTALL OVER MINIMUM 5" TOPSOIL LAYER.

BURY 1/3 THE DEPTH OF THE BOULDER INTO FINISH GRADE. DO NOT USE BOULDERS THAT ARE LESS THAN 24" DIAMETER. BOULDER SHALL BE WASHED AND FREE OF DIRT AND OTHER FOREIGN

2" CAL. D/L501

SIZE

2" CAL.

EXISTING DECIDUOUS TREE TO REMAIN

ALLEE LACEBARK ELM

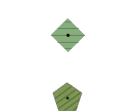
EVERGREEN TREES SHRUBS

CHAIN LINK FENCE (E

WATERWAY (E) ----

CURB & GUTTER (E)

- WATERWAY (E)



SYMBOL LAWN

BOULDERS

CRUSHED ROCK

HILLSIDE CREEPER SCOTCH PINE ORNAMENTAL GRASSES

PAWNEE BUTTES WESTERN SAND CHERRY PRUNUS BESSEYI 'PAWNEE BUTTES'

20 FOERSTER'S FEATHER REED GRASS DESCRIPTION

1,067 S.F. "IMPERIAL BLUE" LAWN SOD

7 "BROWNS CANYON" BOULDERS

INSTALLED A MINIMUM 3" DEEP. INSTALL OVER DEWITTS 4.1 WEED BARRIER FABRIC. CRUSHED ROCK SHALL BE FREE OF DIRT & OTHER FOREIGN 3,629 S.F. "BROWNS CANYON" CRUSHED ROCK

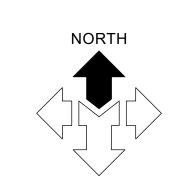
ALWAYS PLANT ACCORDING TO CENTER POINT OF THE SYMBOL

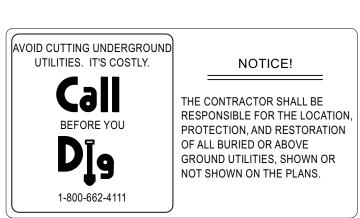
DETAIL H/L501 L-2. PROVIDE A SMOOTH AND STRAIGHT GRADE FROM TOP

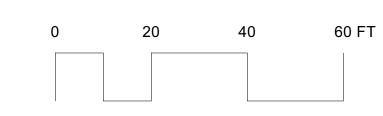
REFERENCE NOTES

L-1. NEW CONCRETE MOWSTRIP

OF NEW WALKWAY TO EXISTING LAWN. FEATHER GRADE AS NEEDED.







CHAIN LINK FENCE (E)-\

L-1)

EXISTING LAWN TO REMAIN

CHAIN LINK FENCE (E

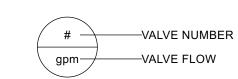
WATERWAY (E) ----

CURB & GUTTER (E)

— BACKSTOP

-WATERWAY (E)

IRRIGATION	N SCHEDULE			
SYMBOL	TYPE	MANUFACTURER		DETAIL
O	NEW ROTOR HEAD TO MATCH EXISTING			A/L502
DRIP AREAS				
	TREE DRIP RING AT NEW TREES SPACED @ 24" O.C.	NETAFIM	TLCV9-12	H/L502
SYMBOL	TYPE	MANUFACTURER	DESCRIPTION	DETAIL
VALVES				
	DRIP CIRCUIT CONTROL VALVE	RAIN BIRD	XCZ-100-PRB-COM DRIP ZONE KIT WITH 100-PEB CONTROL VALVE AND BASKET FILTER WITH BUILT-IN PRV	E/L502
OTHER EQUIPMENT				
С	EXISTING SMART CONTROLLER TO REMAIN			
	NEW FILTER ASSEMBLY AND ENCLOSURE			A/L503
SYMBOL	TYPE		MATERIAL	DETAIL
PIPE				
	1" DRIP SUPPLY LINE. 1/2" FUNNY PIPE AND EMITTERS NOT SHOWN ON PLAN FOR GRAPHIC CLARITY.		SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502
	2" MAIN LINE		SCHEDULE 40 PVC PIPE WITH SCHEDULE 80 PVC FITTINGS.	C/L502
	1" LATERAL LINE		SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502
	PIPE SLEEVE UNDER NEW PAVING		SCHEDULE 40 PVC	D/L502



EMITTER SCHEDULE

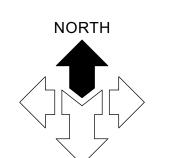
PLANT NAME	DRIP EMISSION DEVICE	MANUFACTURER	MODEL	DETAIL
ALLEE LACEBARK ELM	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
AMERICAN HORNBEAM	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
FOERSTER'S FEATHER REED GRASS	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
HILLSIDE CREEPER SCOTCH PINE	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
PAWNEE BUTTES WESTERN SAND CHERRY	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501

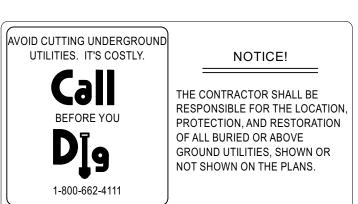
REFERENCE NOTES

- I-1. REMOVE EXISTING FILTER ASSEMBLY AND FITTINGS AS NEEDED FOR PROPER INSTALLATION OF NEW AUTOMATIC FILTER ASSEMBLY, INCLUDING NEW DRAIN VALVE, QUICK COUPLER VALVE, AND ISOLATION VAVLE -SEE DETAIL C/L503. CONNECT NEW 2" MAINLINE ONTO
- EXISTING 2" MAINLINE AS NEEDED. I-2. INSTALL NEW DRIP CONTROL VALVE ONTO THE NEW MAINLINE PRIOR TO CONNECTING BACK INTO THE EXISTING MAINLINE.
- I-3. EXISTING LATERAL LINE TO REMAIN FIELD VERIFY LOCATION, SIZE, AND DEPTH.
- I-4. NEW ROTOR HEAD TYPE TO MATCH EXISTING IN ORDER TO MATCH EXISTING PRECIPITATION RATE. CONNECT ONTO EXISTING LATERAL LINE AS NEEDED.
- I-5. CONTROL WIRES FOR NEW DRIP VALVE AND HYDROMETER HOUSED IN A 1" PVC CONDUIT TO BE CONNECTED TO EXISTING CONTROLLER LOCATED WITHIN PAVILLION. REPAIR DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION AS NEEDED.

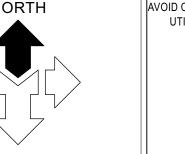
GENERAL NOTE

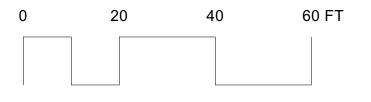
I-1. REPROGRAM THE EXISTING SMART CONTROLLER AS NEEDED TO INCLUDE THE NEW DRIP IRRIGATION CONTROL VALVE AND HYDROMETER. ALL WORK REQUIRED FOR THE COMPLETE AND PROPER SETUP OF THE NEW HYDROMETER TO THE EXISTING SMART CONTROLLER SHALL BE A PART OF THIS CONTRACT.





NOTICE!

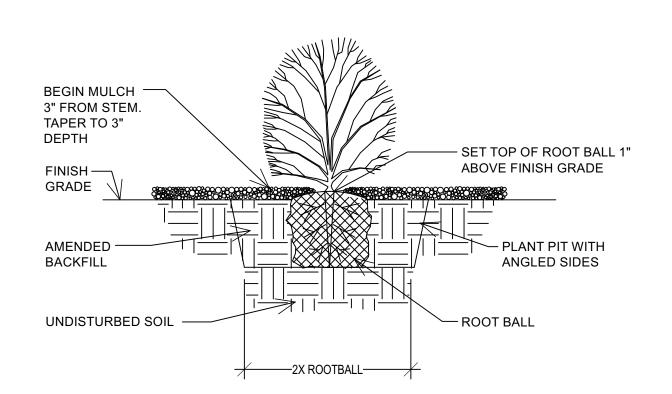


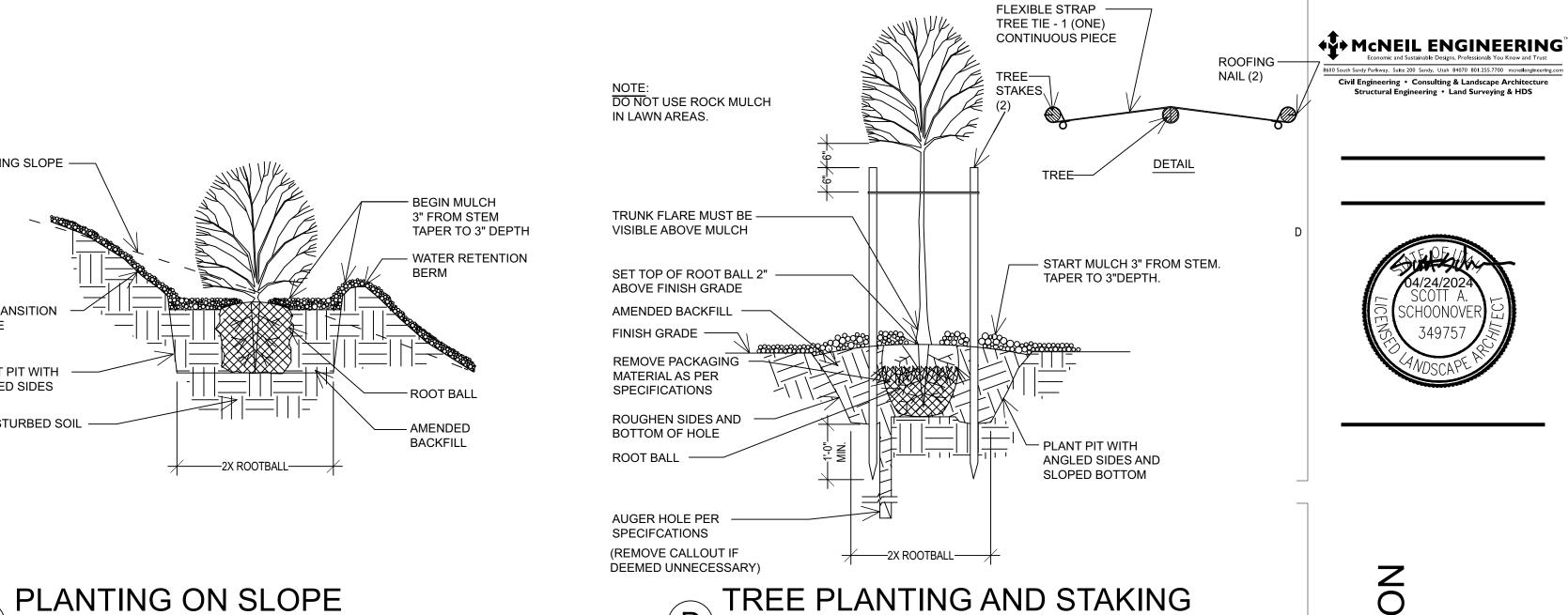


CHAIN LINK FENCE (E)-

APPROX. 30'

EDGE OF CONCRETE





ORNAMENTAL GRASSES PLANTING

—2X ROOTBALL

SHRUB PLANTING

A. LAYING OF SOD: 1. APPLY PRE-EMERGENT HERBICIDE TO SHRUB AND

EXISTING SLOPE -

2:1 TRANSITION

PLANT PIT WITH

UNDISTURBED SOIL

ANGLED SIDES

SLOPE

WEED BARRIER FABRIC AND MULCH. 2. PRE-EMERGENT SHALL BE "SURFLAN AS" (LIQUID) BY

GROUND COVER PLANTING AREAS AND GRASS-FREE

AREAS AT TREES IN LAWN PRIOR TO PLACEMENT OF

- UNITED PHOSPHORUS INC, TRENTON, NJ, OR APPROVED EQUAL.
- 3. INSTALL MULCH TO UNIFORM DEPTH AND RAKE TO NEAT FINISHED APPEARANCE FREE OF HUMPS AND

CONCRETE PAVING

BARK OR STONE MULCH (SEE PLANT SCHEDULE FOR TYPE). HOLD

DOWN 1" FROM TOP OF WALLS,

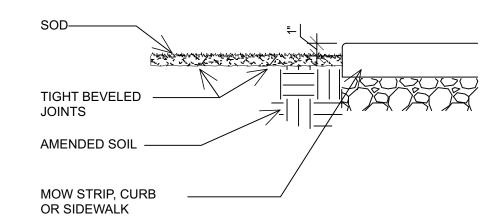
WEED BARRIER FABRIC (REFER TO

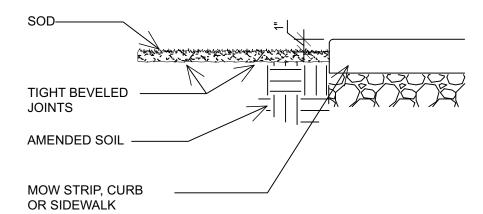
WALKS, AND CONCRETE PADS

PLANT SCHEDULE FOR TYPE)

UNDISTURBED SUB-GRADE

COMPACTED OR





1. MOW STRIP TO BE 4,500 PSI CONCRETE WITH 6% AIR \pm 1 1/2.

EFFECT WITH PLACEMENT OF MOW STRIP.

6. RAISE THE LAWN GRADE 1" WHEN SEEDING.

4. MAXIMUM 1/2" WIDTH VARIATION.

DIMENSION PLAN.

CONCRETE MOW

STRIP-

JOINTS

AMENDED -

2. INSTALL EXPANSION AND CONTROL JOINTS AS PER SPECIFICATIONS.

5. FOLLOW LAYOUT PLAN PRECISELY AS SHOWN ON MOW STRIP/EDGING

3. PROVIDE POSITIVE DRAINAGE AROUND MOW STRIPS. DO NOT CREATE A DAM

STONE MULCH

WEED BARRIER FABRIC

(WHEN REQUIRED)

GRAVEL TAMPED IN

PLACE USING HAND

-6" DEPTH OF 3/4"

TAMPER

PREPARED

SUB-GRADE

CONCRETE MOW STRIP

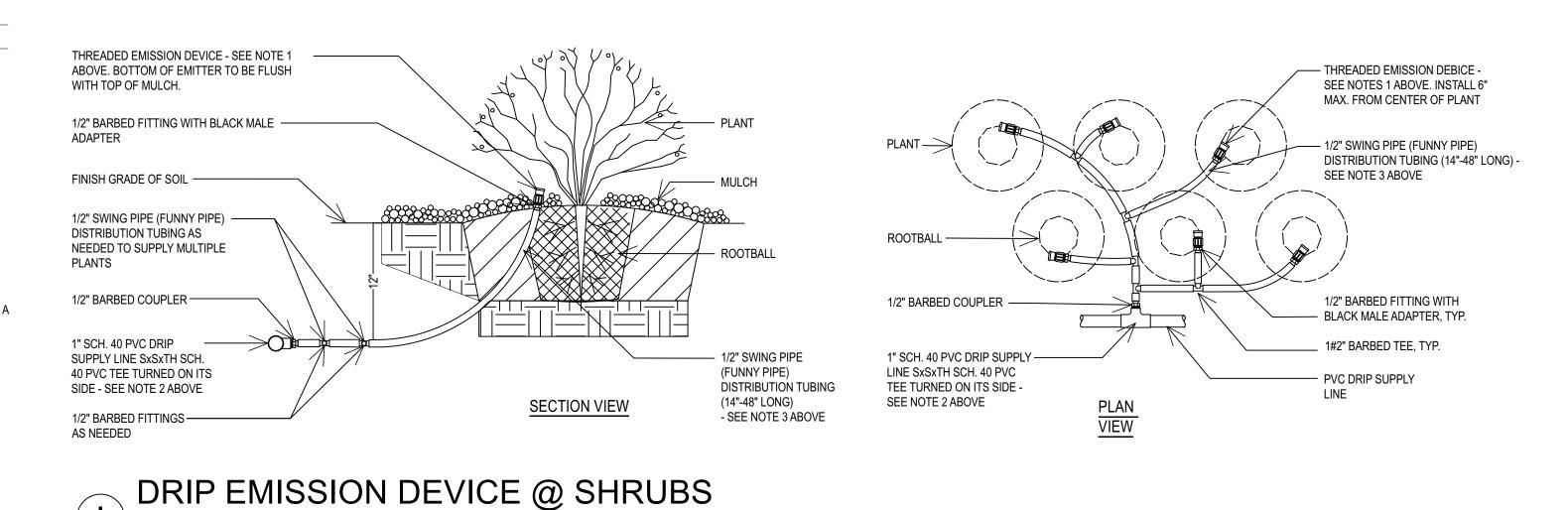
- MULCH — FINISH GRADE



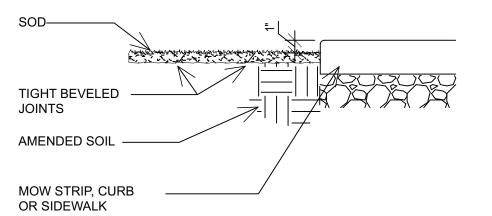
MULCH

NOTES:

- 1. SEE EMISSION DEVICE SCHEDULE ON IRRIGATION PLAN FOR TYPE, QUANTITY AND SIZE OF EMISSION DEVICE PER PLANT.
- 2. INSTALL A MAX. OF (6) EMISSION DEVICES PER PVC CONNECTION.
- 3. DISTRIBUTION TUBING SHALL BE INSTALLED A MINIMUM OF 12" BELOW FINISHED GRADE AND ONLY BE BROUGHT TO THE SURFACE AT EACH PLANT.



- 1. LAY SOD DURING GROWING SEASON AND WITHIN 48 HOURS OF BEING LIFTED. 2. LAY SOD WHILE TOP 6 INCHES OF SOIL IS DAMP, BUT NOT MUDDY. SODDING DURING FREEZING TEMPERATURES OR OVER
- FROZEN SOIL IS NOT ACCEPTABLE. 3. LAY SOD IN ROWS PERPENDICULAR TO SLOPE WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
- 4. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED SURFACES. 5. DO NOT SOD SLOPES STEEPER THAN 3:1. CONSULT WITH ARCHITECT FOR ALTERNATE TREATMENT.
- B. AFTER LAYING OF SOD IS COMPLETE: 1. ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER.
- 2. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS, OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT I RREGULARITIES IN GRADE WILL NOT BE PERMITTED.
- 3. WATER SODDED AREAS IMMEDIATELY AFTER LAYING SOD TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 6



SOD INSTALLATION

Structural Engineering • Land Surveying & HDS

EXPANSION PARKING

Project For:

Property Number: 516-9224 JOB NUMBER: OWNER: LDS CHURCH APRIL 2024 DESCRIPTION REV DATE

> LANDSCAPE **DETAILS**

L501

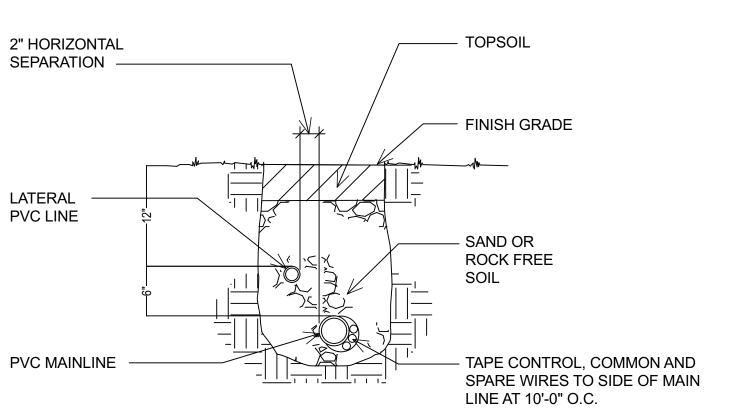
♦ McNEIL ENGINEERING

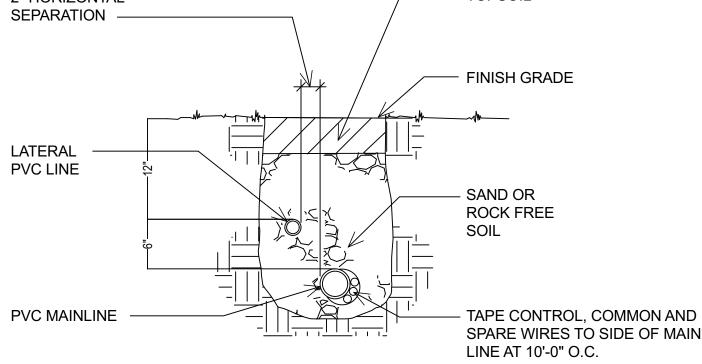
REV DATE

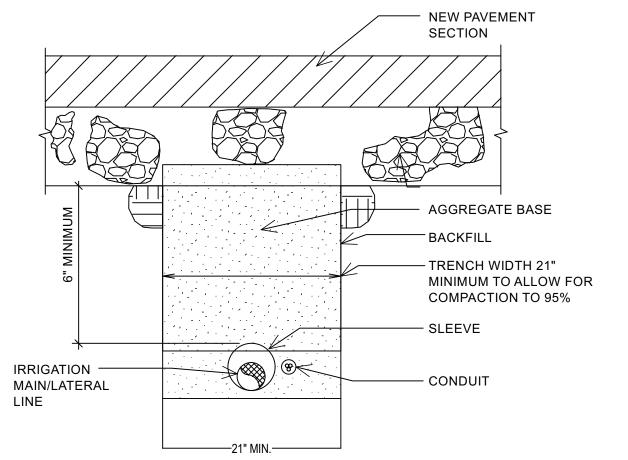
DESCRIPTION

DETAILS

L502







— TOP OF MULCH

EQUIVALENT

— WEED BARRIER FABRIC

— INLINE EMITTER TUBING

UNDER WEED FABRIC

- 3/4" MALE NPT X 1/2"

SCH 40 TEE OR -

PVC LATERAL LINE

PVC TO IN-LINE EMITTER

1. USE AT TREE RINGS AND AS CONNECTION FROM SUPPLY AND

2. DO NOT EXCEED (3) GPM FLOW THROUGH SINGLE CONNECTION.

1/2" MALE IPS INSERT ELL

— FLEXIBLE POLYETHYLENE PIPE

BARB ADAPTER

 BARB TEE FEMALE ADAPTER 17mm X 3/4" FPT X 17mm OR



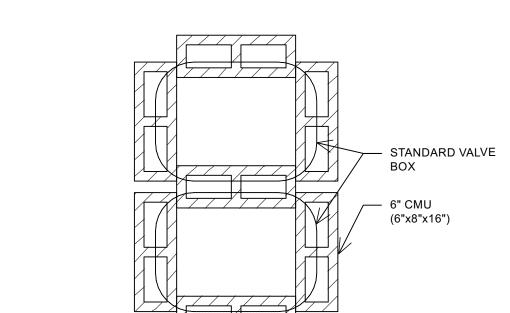
1. VALVE BOX TO REST ON (4) CMU BLOCKS (ONE FOR EACH SIDE).

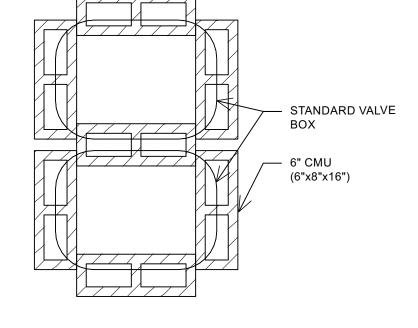
2. CLUSTERED VALVE BOXES MAY SHARE A CMU BLOCK.



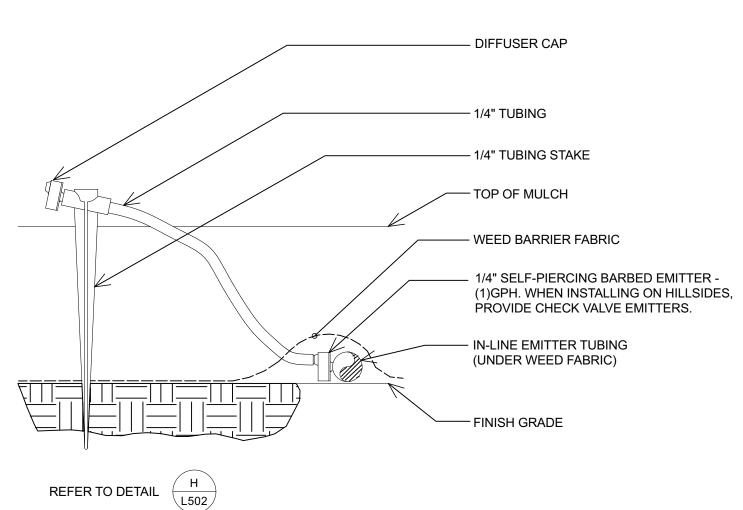
FINISH GRADE

EXHAUST HEADERS.



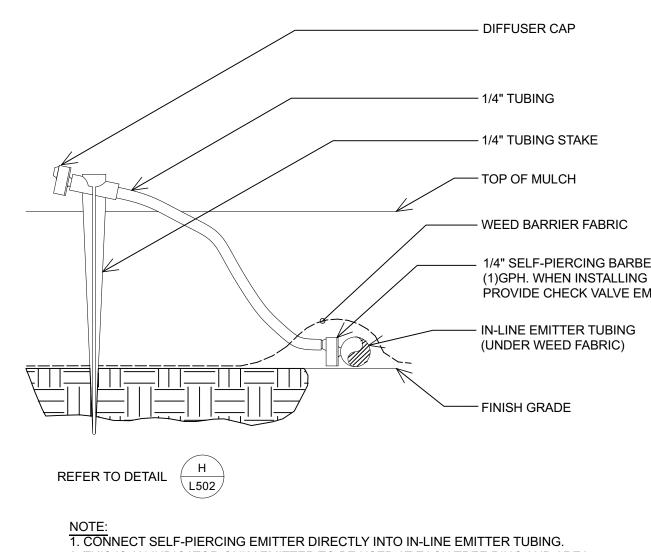


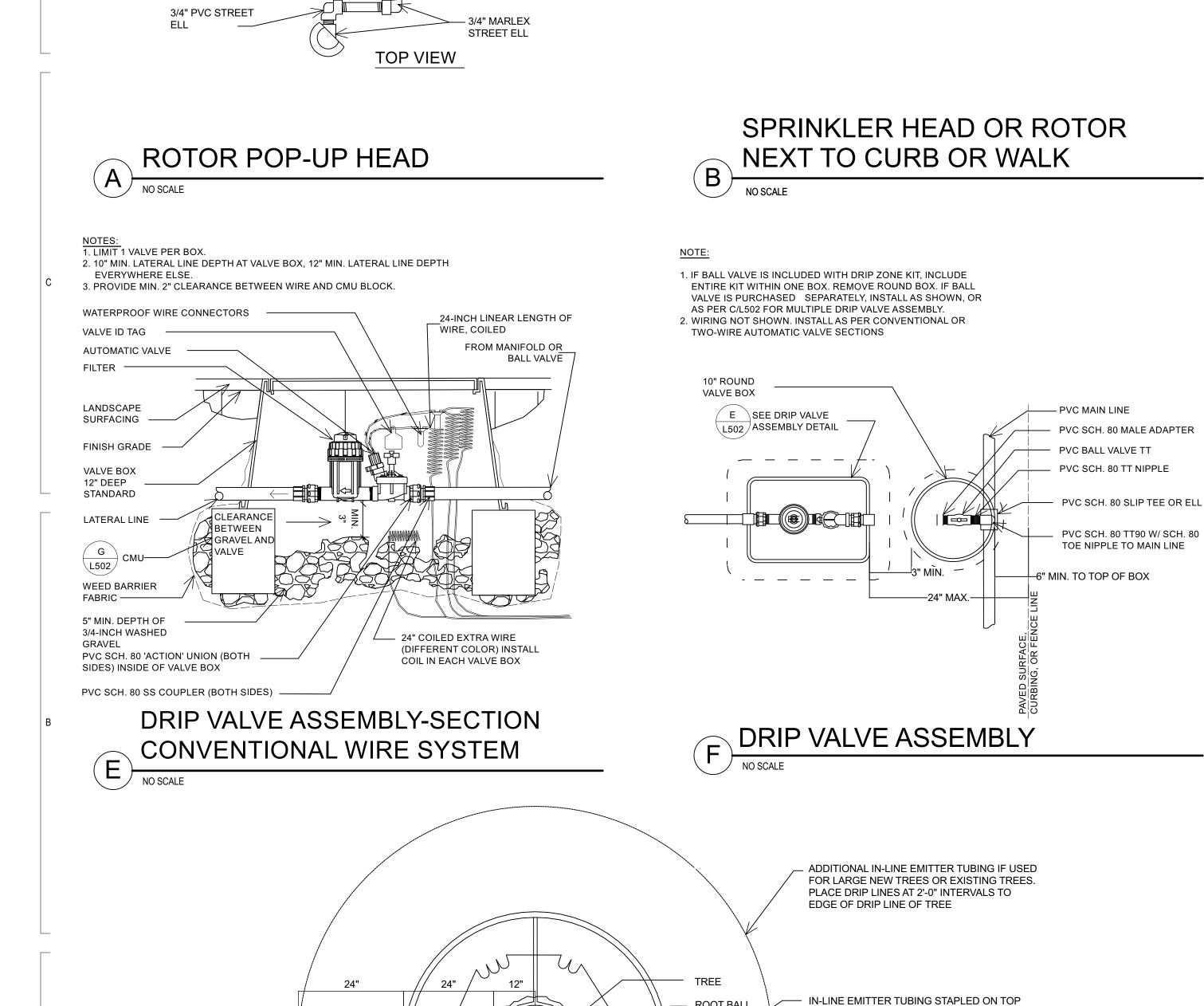




1. CONNECT SELF-PIERCING EMITTER DIRECTLY INTO IN-LINE EMITTER TUBING. 2. THIS IS AN INDICATOR ONLY EMITTER TO BE USED AT EACH TREE RING AND AREA WHERE IN-LINE EMITTER TUBING IS INSTALLED. 3. 1/4" TUBING LENGTH: MINIMUM 14", MAXIMUM 24".







- FINISH GRADE

ROTOR POP-UP

3/4" MARLEX STREET

- 3/4" PVC STREET ELL

SPRINKLER

- 3/4" MARLEX

STREET ELL

SIDE VIEW

(1) 1 GPH

TREE DRIP - PLAN VIEW (Planter Areas)

NO SCALE

NOTE: FITTINGS TO INLINE DRIP TUBING TO BE INSERT FITTINGS. USE OETICKER

INSTALL IN-LINE EMITTER TUBING

ON TOP OF ROOT BALL

WITH EMITTERS SPACED EVENLY-

INDICATOR

EMITTER INTO IN-LINE EMITTER TUBING AT BASE OF

L502

COMPACTED

PVC SCH. 80 NIPPLE

EXCEED 45 DEG

PVC LATERAL LINE

ANGLE

8" LONG MIN. NOT TO

POP UP SPRAY

TOP OF SEED

BED OR SOD

OR ROTOR HEAD —

OF FINISH GRADE. INSTALL IN-LINE EMITTER

MULCH PLACED ON TOP. NO KINKS IN LINE.

NOTE: FOR EVERGREEN TREES, LOCATE

PVC TO PE PIPE CONNECTION

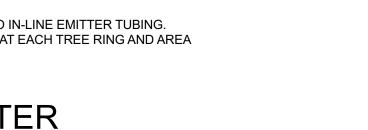
PVC LATERAL LINE (12"

INDICATOR EMITTER ON OUTSIDE OF OUTER

TUBING UNDER WEED BARRIER FABRIC WITH

CURB, WALK OR

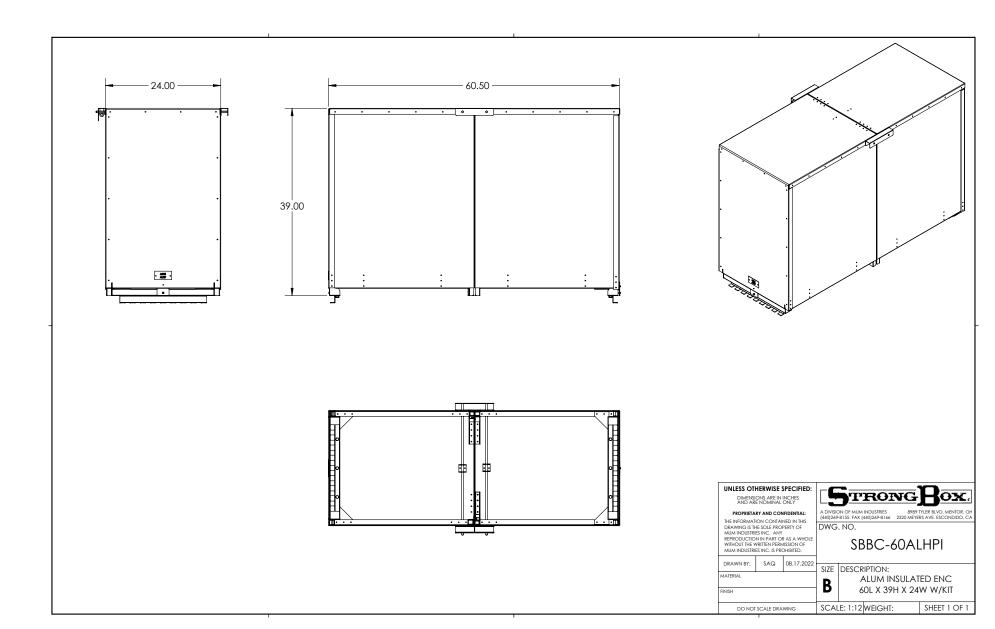
MOW STRIP



125 NORTI HYRUM, U

DETAILS

L503



-BRASS SWIVEL HOSE ELL

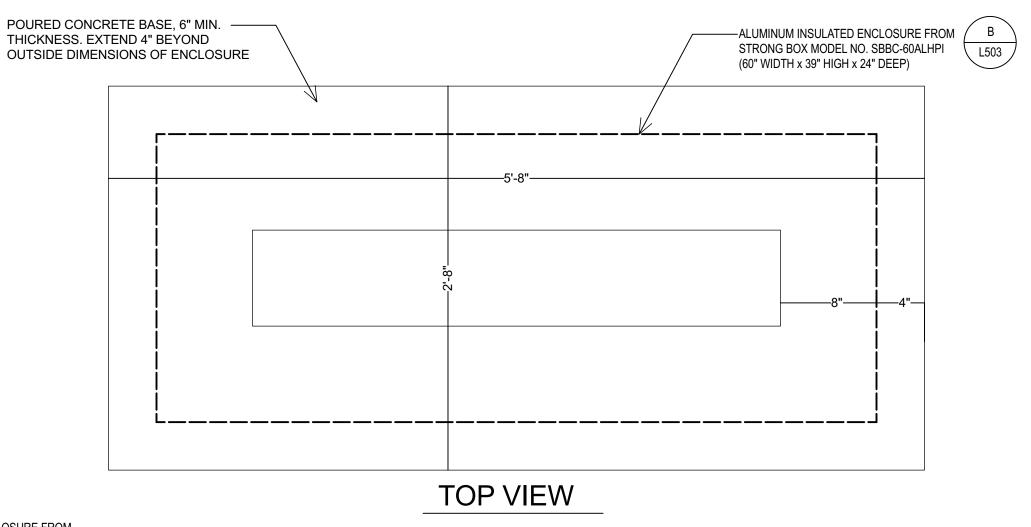
VALVE COVER

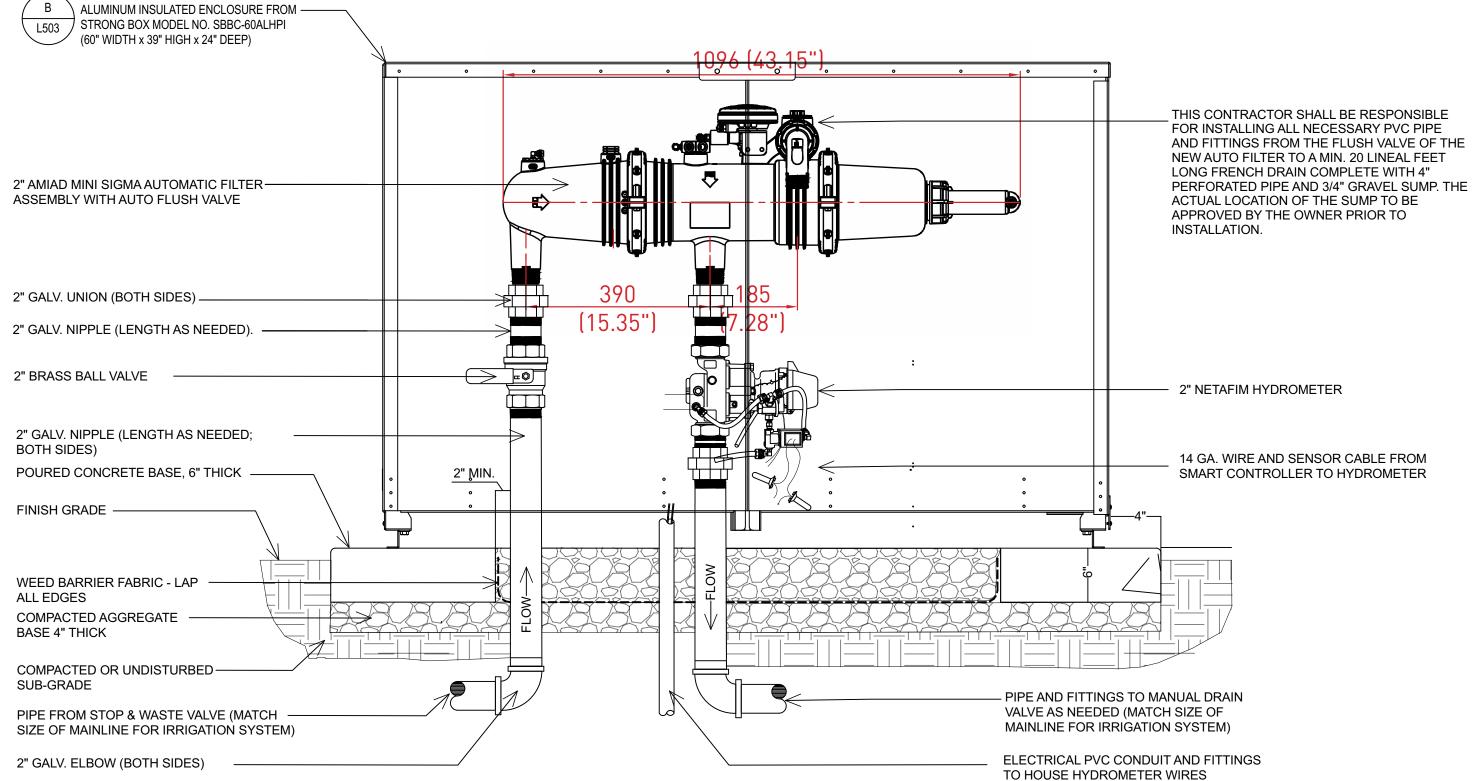
— FINISH GRADE

VALVE BOX,

EXTENSIONS

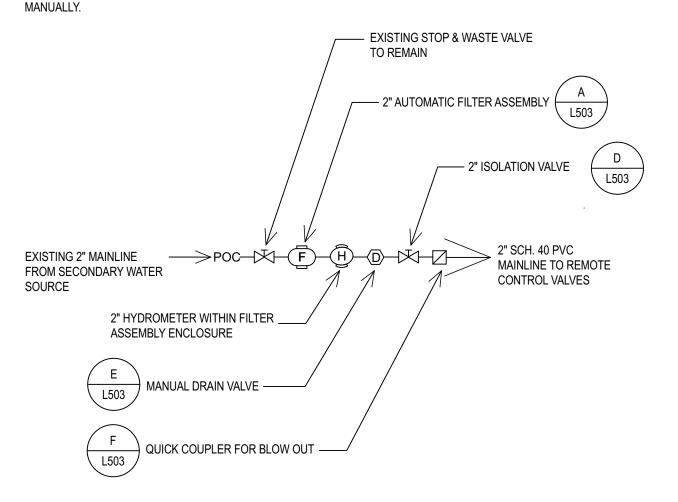
GALVANIZED 3/4" STREET ELL

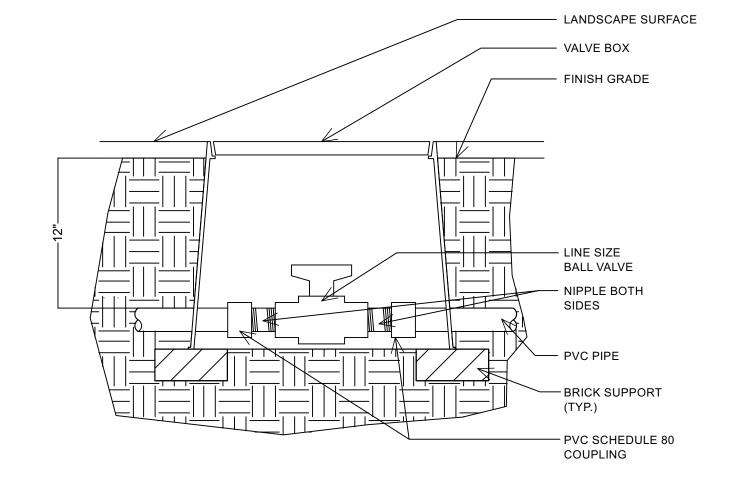




FILTER ASSEMBLY ENCLOSURE

NOTE: INSTALL ISOLATION VALVE AFTER THE HYDROMETER AND BEFORE THE QUICK COUPLER. THE FLOW SENSOR, MASTER VALVE, AND FILTER ASSEMBLY IS TO BE DRAINED





POC SCHEMATIC LAYOUT

~========

SIDE VIEW

VALVE COUPLER KEY

TWO-PIECE BODY DESIGN QUICK COUPLING VALVE

LANDSCAPE SURFACING

GALVANIZED

GALVANIZED

3/4" STREET ELL

GRAVEL (EXTEND UNDER

3/4" ELL

BRICKS)

SCH 40

PVC MAIN



(2) 3/4" GALVANIZED STEEL

NIPPLES. LENGTH AS

NEEDED

SCH 80 PVC

FITTING

SCH 40 PVC

TOP VIEW

- GALVANIZED 3/4" ELL

MAIN

2" LENGTH 3/4" SCH. 80 THREADED NIPPLE — 3/4" PVC ELL (ST) **TOP VIEW**

NOTE: DRAIN INTO CENTER OF

SCH. 80 TEE IN MAIN LINE 4" LENGTH 3/4" SCH. 80 THREADED NIPPLE 2" CLASS 200 PVC SLEEVE ____

MAIN LINE

QUICK COUPLING VALVE

SCH. 80 TEE IN — MAIN LINE FILTER FABRIC TO SURROUND GRAVEL MAIN LINE BUT STILL ALLOW ACCESS TO MANUAL _ 2" LENGTH 3/4" SCH. 80 THREADED NIPPLE 3/4" PVC ELL (ST) 3/4" MARLEX STREET ELL 4" LENGTH 3/4" SCH. 80 THREADED NIPPLE -VALVE -SIDE VIEW SUMP MIN. UPSIZE AS REQUIRED

- 3'-0"x 3-0"x 3'-0" GRAVEL

A AUTOMATIC FILTER ASSEMBLY WITH HYDROMETER
No scale

- FINISH GRADE

LAWN AREAS

SLEEVE

2" CLASS 200 PVC

10" DIA. ROUND VALVE BOX IN SHRUB AND

MAIN LINE MANUAL DRAIN VALVE

SURFACING

LANDSCAPE

LDS CHURCH APRIL 2024

REV DATE DESCRIPTION

> LANDSCAPE **IRRIGATION**

ELECTRICAL GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD ROUTING WITH EXISTING EQUIPMENT. PROVIDE ALL NECESSARY OFFSETS TO AVOID CONFLICTS WITH EXISTING EQUIPMENT OR OTHER OBSTRUCTIONS.
- ELECTRICAL CONTRACTOR IS TO REFER TO THE ARCHITECTURAL DEMOLITION DRAWINGS. THE ARCHITECTURAL DEMOLITION DRAWINGS ARE PART OF THIS CONTRACT.
- ELECTRICAL CONTRACTOR TO REFER TO THE CIVIL ENGINEER'S DRAWING AND COORDINATE ELECTRICAL INSTALLATION WITH ALL UTILITIES.
- EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE PER NEC 408.4(A).
- MULTI-WIRE BRANCH CIRCUITS: ELECTRICAL CONTRACTOR TO COMPLY WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 210.4. MULTI-WIRE BRANCH CIRCUITS. ELECTRICAL CONTRACTOR TO ALLOW FOR MULTI-WIRE BRANCH CIRCUITS WIRE AMPACITY ADJUSTMENT AS PER ARTICLE 310, TABLE 310.15(B)(2)(A) OF THE NATIONAL ELECTRICAL CODE.
- NEW INSTALLATION SHALL CONFORM TO THE NEC REVISION OBSERVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL INCLUDED PROVISIONS IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS. REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING. COORDINATION SHALL BE DONE TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.
- MAINTAIN CIRCUIT INTEGRITY & CONTINUITY OF ALL EXISTING CIRCUITS, FEEDERS & SYSTEMS THAT INTERFERE WITH OR ARE INTERRUPTED BY REMODEL WORK, UNLESS THOSE CIRCUITS, FEEDERS & SYSTEMS ARE IN OPERATION DURING CONSTRUCTION. PROVIDE TEMPORARY PANELS, TEMPORARY WIRING & CONDUITS, ETC. AS REQUIRED.
- . ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC, IN PORTIONS OF THE BUILDING NOT BEING REMODELED SHALL REMAIN IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
- 10. EXISTING ELECTRICAL DEVICES TO REMAIN UNLESS NOTED
- 1. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER, PER INDUSTRY STANDARD AND TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- 12. WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES, STANDARDS AND ORDINANCES.
- 13. THE MINIMUM SIZE OF THE CONDUCTORS ARE TO BE #12 AWG THHN COPPER, UNLESS INDICATED OTHERWISE ON THE" DRAWINGS. STRANDED CONDUCTORS ARE NOT ALLOWED IN THE CONDUCTORS SMALLER THAN #10 AWG.
- 14. DETAILS ARE SHOWN ON DIFFERENT SHEETS. THE CONTRACTOR SHALL REFER TO THOSE DETAILS WHETHER OR NOT CALLED IN REFERENCE NOTES.
- 15. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED AND NEW.
- 16. CONTRACTOR SHALL MEASURE STEADY STATE LOAD CURRENTS AT EACH PANEL BOARD FEEDER FOR ALL ALTERED PANEL BOARDS. SHOULD THE DIFFERENCE BETWEEN PHASES EXCEED 20 PERCENT AT ANY PANEL BOARD, REARRANGE CIRCUITS IN PANEL BOARD TO BALANCE THE PHASE LOAD WITHIN 20 PERCENT. TAKE CARE TO MAINTAIN PROPER PHASING FOR MULTI-WIRE BRANCH CIRCUITS. UPDATE DIRECTORIES ACCORDINGLY.
- 7. CONTRACTOR SHALL PROVIDE MINIMUM OF ONE WEEK NOTICE IN WRITING TO THE OWNER PRIOR TO ANY POWER OUTAGE. OUTAGES SHOULD BE PLANNED AROUND HOLIDAYS OR WEEKENDS. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR

ALL POWER OUTAGES PRIOR TO COMMENCING WORK.

	ELECTRICAL SYMBOLS								
	SYMBOL	EXPLANATION	SYMBOL	EXPLANATION	SYMBOL	EXPLANATION			
		BRANCH CIRCUIT CONCEALED IN CEILING OR WALL	F1	FIXTURE TYPE SYMBOL	(†)	TAMPER AND FLOW			
		BRANCH CIRCUIT CONCEALED IN GROUND OR FLOOR		LINIER FIXTURE (TYPICAL)	FACP	FIRE ALARM CONTROL PANEL			
	 A−1,3	BRANCH CIRCUIT HOMERUNS TO PANEL	0	EMERGENCY LIGHTING UNIT	RFAA	REMOTE FIRE ALARM ANNUNCIATOR PANEL			
	135	ROOM NUMBER	<u> </u>	SURFACE OR PENDANT MOUNTED FIXTURE	NAC	FIRE ALARM NAC PANEL			
	CH 1	MECHANICAL EQUIPMENT SYMBOL		RECESSED FIXTURE	VOICE	FIRE ALARM VOICE PANEL			
	1)	KEYED NOTE REFERENCE	-0	WALL MOUNTED FIXTURE	D/H	DOOR HOLDER			
	(42X)	FEEDER TAG (SEE FEEDER SCHEDULE)		WALL PACK	F/S	FIRE/SMOKE DAMPER			
	FLUSH SURFACE	LIGHTING AND POWER PANELBOARD		STRIP FIXTURE	F	FIRE ALARM PULL STATION			
L	- Non-Fused - Fused	DISCONNECT SWITCH	$\nabla \nabla$	TRACK LIGHTING	Ø	FIRE ALARM STROBE			
'	NON-FUSED FUSED	DISCONNECT SWITCH WITH MOTOR STARTER	BUGEYE EGRESS	EMERGENCY LIGHTING UNIT		FIRE ALARM HORN/STROBE			
	\boxtimes	MOTOR STARTER	⊦⊗	WALL MOUNTED EXIT LIGHT (SINGLE FACE)	⊠√LF	FIRE ALARM HORN/STROBE (LF = LOW FREQUENCY)			
	VFD	VARIABLE FREQUENCY DRIVE	⊦₫	WALL MOUNTED EXIT LIGHT (DOUBLE FACE)		FIRE ALARM HORN/STROBE WITH PROTECTIVE COVER			
	©	CONDUIT STUB	⊗	CEILING MOUNTED EXIT LIGHT (SINGLE FACE)		FIRE ALARM SPEAKER/STROBE			
	<u> </u>	JUNCTION BOX		CEILING MOUNTED EXIT LIGHT (DOUBLE FACE)	⊠⊲LF	FIRE ALARM SPEAKER/STROBE (LF = LOW FREQUENCY)			
	The state of the s	ELECTRIC VEHICLE CHARGING STATION (EVSE)	⊗)	EXIT LIGHT WITH PROTECTIVE COVER		FIRE ALARM SPEAKER			
	₩ A-3 -	MODIFIER —PANEL SPACE ASSIGNMENT —EQUIPMENT DESIGNATION	\$	SINGLE POLE SWITCH (SUBSCRIPT AS INDICATED BELOW)		FIRE ALARM SPEAKER (LF = LOW FREQUENCY)			
	+44 GFCI	MOUNTING HEIGHT ABOVE FLOOR OR GRADE GIVEN IN INCHES. PROTECTED BY FAULT CIRCUIT INTERRUPTER	2	TWO POLE SWITCH 3-WAY SWITCH		FIRE ALARM HORN			
	TR	TAMPER RESISTANT	4	4-WAY SWITCH		FIRE ALARM HORN (LF = LOW FREQUENCY)			
	WP DISP	WEATHERPROOF COVER & LISTED WEATHER RESISTANT DEVICE DISPOSAL	D к	DIMMER SWITCH KEYED SWITCH		FIRE ALARM STROBE CEILING MOUNTED			
	DW EWC	DISHWASHER ELECTRIC WATER COOLER	Т М	TIMER SWITCH MANUAL STARTER WITH THERMAL OVERLOAD					
	REF	REFRIGERATOR HUBBELL USB15AC5W OR EQUAL DUPLEX PLUS USB CHARGER	F	PADDLE FAN SPEED CONTROL. (CANARM "CN" SERIES) OCCUPANCY SENSOR SWITCH	<u></u>	FIRE ALARM HORN/STROBE CEILING MOUNTED			
	USB WASH	WASHING MACHINE	OC LV	LOW VOLTAGE CONTROL SWITCH	Ø ↓ LF	FIRE ALARM HORN/STROBE CEILING MOUNTED (LF = LOW FREQUENCY)			
			LV/D OC/D	LOW VOLTAGE CONTROL SWITCH WITH DIMMER OCCUPANCY SENSOR CONTROL SWITCH WITH DIMMER	O1	FIRE ALARM HORN CEILING MOUNTED			
	ф	SIMPLEX RECEPTACLE OUTLET	OC/2	DUAL RELAY OCCUPANCY SENSOR CONTROL SWITCH	Olf	FIRE ALARM HORN CEILING MOUNTED (LF = LOW FREQUENCY)			
	\oplus	DUPLEX RECEPTACLE OUTLET	\$\$	DOUBLE GANG SWITCH	0	SMOKE DETECTOR (SUBSCRIPT AS INDICATED BELOW)			
	—	QUAD RECEPTACLE OUTLET	\$a,b,c S	LOW VOLTAGE MULTI BUTTON CONTROL SWITCH (LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES)	В	SMOKE ALARM BATTERY-BACKED SMOKE/CARBON MONOXIDE ALARM COMBO BATTERY-BACKED			
	——— 	SPLIT WIRED DUPLEX RECEPTACLE OUTLET	\$°\$°	CONTROLLING SWITCH	CS/LF	SMOKE/CARBON MONOXIDE DETECTOR WITH LOW FREQUENCY SOUNDER BASE			
╽┟		220V RECEPTACLE OUTLET	\$	(LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES) OCCUPANCY SENSOR (CEILING MOUNTED)	D R	DUCT SMOKE DETECTOR SMOKE DETECTOR WITH ADDRESSABLE RELAY			
			DT	DUAL TECHNOLOGY OCCUPANCY SENSOR (CEILING MOUNTED)	S/LF	SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE			
	<u>+</u>	ISOLATED GROUND RECEPTACLE OUTLET	PIR	PASSIVE INFRARED OCCUPANCY SENSOR (CEILING MOUNTED)	1	HEAT DETECTOR			
	<u> </u>	SPECIAL RECEPTACLE OUTLET	(RC)	ROOM CONTROLLER	CO	GAS DETECTOR CARBON MONOXIDE DETECTOR			
	<u> </u>	THERMOSTAT OUTLET	(LS)	DAYLIGHT SENSOR	CO/NO2	CARBON MONOXIDE/NITROGEN DIOXIDE SENSOR (GARAGE)			
	S	REMOTE SENSOR OUTLET	P	PHOTOCELL		ADA TWO-WAY COMMUNICATIONS SYSTEM			
	▽(#)	COMPUTER DATA OUTLET (#) INDICATES JACK QUANTITIES	<u> </u>	VOLUME CONTROL	KP	ACCESS CONTROL KEY PAD			
	$\overline{\mathbb{V}}$	NETWORK AND VOICE OUTLET		WALL SPEAKER	CR	ACCESS CONTROL CARD READER			
		WIRELESS ACCESS POINT CEILING MOUNTED		CEILING SPEAKER	Sds	ACCESS CONTROL DOOR STRIKE			
	TV	TELEVISION OUTLET		SURVEILLANCE CAMERA	ML	ACCESS CONTROL MAG LOCK			
	9	MOTOR OUTLET	DVR	SURVEILLANCE DIGITAL VIDEO RECORDER	DS	ACCESS CONTROL DOOR SENSOR			
		EXHAUST FAN	NURSE	NURSE CALL ANNUNCIATOR PANEL	0	ACCESS CONTROL REQUEST TO EXIT			
	$\bigcirc \bigcirc$	FLOOR MOUNTED DEVICE	.−N	NURSE CALL EMERGENCY CALL DEVICE	0	PUSHBUTTON			
	\bigcirc	CEILING MOUNTED DEVICE	M	NURSE CALL EMERGENCY CALL LIGHT	-B	BELL			
t	NOTE: ALL SYMBO	DLS MAY NOT BE USED.	•	•	•	•			

ABBREVIATIONS INDEX									
#	NUMBER	DC	DIRECT CURRENT	KW	KILOWATT	PT	POTENTIAL TRANSFORMER		
ф	PHASE	DISP	DISPOSAL	LRA	LOCKED ROTOR AMPS	PV	PHOTOVOLTAIC		
1φ	SINGLE PHASE	DRY	DRYER	LTG	LIGHTING	PVC	POLYVINYL CHLORIDE		
2P	TWO-POLE	DW	DISHWASHER	MATV	MASTER ANTENNA TELEVISION	(R)	RELOCATE		
3 ф	THREE PHASE	DWG	DRAWING	MAX	MAXIMUM	RECP	RECEPTACLE		
4P	FOUR-POLE	EC	EMPTY CONDUIT	MB	MAIN BUS	REF	REFRIGERATOR		
AC	ALTERNATING CURRENT	EM	EMERGENCY	MCB	MAIN CIRCUIT BREAKER	REQ	REQUIRED		
AFF	ABOVE FINISHED FLOOR	EMG	EMERGENCY GENERATOR	MCC	MOTOR CONTROL CENTER	RLA	RATED LOAD AMPS		
AFG	ABOVE FINISHED GRADE	EMT	ELECTRICAL METALLIC TUBING	MCM	1000 CIRCULAR MILLS	RMS	ROOT MEAN SQUARE		
AFP	ARC FAULT PROTECTOR	EP0	EMERGENCY POWER OFF	MH	MANHOLE	SE	SERVICE ENTRANCE		
AHJ	AUTHORITY HAVING JURISDICTION	EWC	ELECTRIC WATER COOLER	MIC	MICROPHONE	SPD	SURGE PROTECTION DEVICE		
AIC	AMP INTERRUPTING CURRENT (SYMMETRICAL)	EWH	ELECTRIC WALL HEATER	MIN	MINIMUM	SPEC	SPECIFICATION		
AL	ALUMINUM	(E) (F) FA	EXISTING	MLO	MAIN LUGS ONLY	SPK	SPEAKER		
AM	AMPS METER	(F)	FUTURE	MNF	MANUFACTURER	SS	SELECTOR SWITCH		
AMP	AMPERE	FA	FIRE ALARM	MTG	MOUNTING	SW	SWITCH		
ANN	ANNUNCIATOR	FACP	FIRE ALARM CONTROL PANEL	MTR	MOTOR	SWBD	SWITCHBOARD		
ATS	AUTOMATIC TRANSFER SWITCH	FC	FOOT CANDLE	MW	MICROWAVE	SWGR	SWITCHGEAR		
AUX	AUXILIARY	FLA	FULL LOAD AMPS	(N) N/A	NEW	TTB	TELEPHONE TERMINAL BOARD		
AWG	AMERICAN WIRE GAUGE	FT	FOOT	N/A	NOT APPLICABLE	TBC	TELEPHONE TERMINAL CABINET		
BC	BARE COPPER	FRZ	FREEZER	NC	NORMALLY CLOSED	TV	TELEVISION		
BFG	BELOW FINISH GRADE	FS	FUSED SWITCH	NEC	NATIONAL ELECTRICAL CODE	TYP	TYPICAL		
С	CONDUIT	GFAF	DUAL FUNCTION GFCI/AFCI CIRCUIT BREAKER	NEMA	NATIONAL MANUFACTURING ASSOCIATION	UG	UNDERGROUND		
CAB	CABINET	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NFC	NATIONAL FIRE CODE	UNO	UNLESS NOTED OTHERWISE		
CATB	COMMUNITY ANTENNA TELEVISION	GFEP	GROUND-FAULT EQUIPMENT PROTECTION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UPS	UNINTERRUPTIBLE POWER SUPPLY		
CATV	CABLE TELEVISION	GFP	GROUND FAULT PROTECTOR	NFS	NON FUSED SWITCH	٧	VOLT (KV-KILOVOLT)		
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	GRC	GALVANIZED RIGID CONDUIT	NIC	NOT IN CONTRACT	VA/R	VOLT-AMPS/REACTIVE		
CKT	CIRCUIT	GRD	GROUND	NL	NIGHT LIGHT	VM	VOLT METER		
CLG	CEILING	HP	HORSE POWER	NO	NORMALLY OPEN	W	WATTS		
CNTR	CONTRACTOR	HZ	HERTZ	NTS	NOT TO SCALE	W/	WITH		
CO	CONVENIENCE OUTLET	IG	ISOLATED GROUND	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WASH	WASHER		
CRT	COMPUTER TERMINAL	IMC	INTERMEDIATE METALLIC CONDUIT	OFOI	OWNER FURNISHED OWNER INSTALLED	WH	WATTHOUR		
CT	CURRENT TRANSFORMER	IN	INCH	OS&Y	OUTSIDE SCREW AND YOKE	W/O	WITHOUT		
CU	COPPER	J-B0X	JUNCTION BOX	PB	PUSH BUTTON	WP	WEATHER PROOF		
C/W	CONDUIT WITH	ΚV	KILOVOLT	PF	POWER FACTOR	XFMR	TRANSFORMER		
(Ď)	DEMOLISH/DELETE	KVA	KILOVOLT AMPERES	PFR	PHASE FAILURE RELAY	XFMR-SW			
DB	DECIBEL	KVAR	KILOVARS	PNL	PANEL	XP	EXPLOSION PROOF		
	IS A TYPICAL ABBREVIATION LIST. NOT ALL ABBREVIATIONS MAY BE USED ON			,	,	1 / 11			

DESIGN CONTACTS								
ELECTRICAL ENGINEER:	RYAN BEAGLES							
ELECTRICAL TEAM LEAD:	JOE HUTCHINGS							
ELECTRICAL DESIGNER:	RICH LARSEN							

SHEET INDEX								
SHEET NUMBER	SHEET TITLE							
E0.1	ELECTRICAL COVER SHEET							
E0.2	ELECTRICAL SITE PLAN							
E0.3	SITE PHOTOMETRICS PLAN							
E6.1	ELECTRICAL SCHEDULES							
E6.2	ELECTRICAL SCHEDULES							

COMMISSIONING NOTES:

C408.3 LIGHTING SYSTEM FUNCTIONAL TESTING. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3.

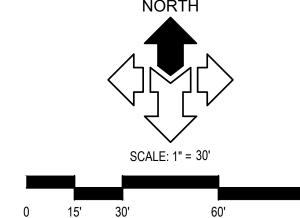
C408.3.1 FUNCTIONAL TESTING. TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PROVIDE DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF SECTION C405. WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS

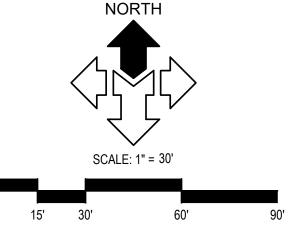
CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.

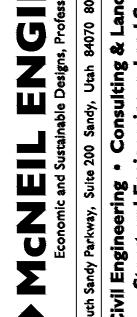
OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING

PROCEDURES SHALL BE PERFORMED:

CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.









0

AD

SUIS

AR

0

H

L

04⁺ **4** ₽ ≥

ENGINEERING MECHANICAL PROVO, UTAH 84606 PROJECT NO: 24072 DRAWN BY:

> CHECKED BY: MRB DATE: 05/16/24

PHONE: 801.375.2228 FAX: 801.375.2676 COPYRIGHT JOB# J24132.00 DATE PLOTTED: 05/16/2024



ELECTRICAL

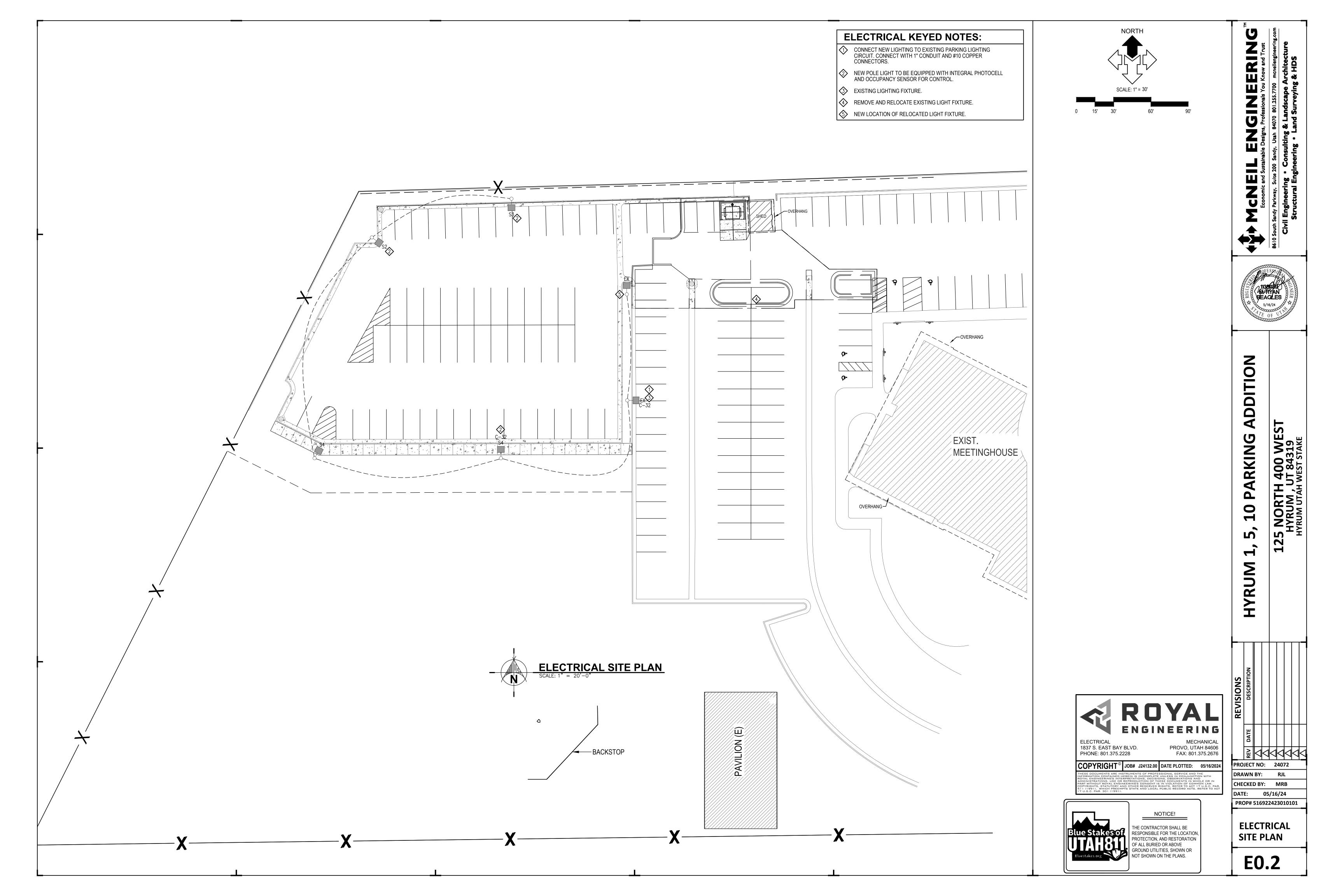
1837 S. EAST BAY BLVD.

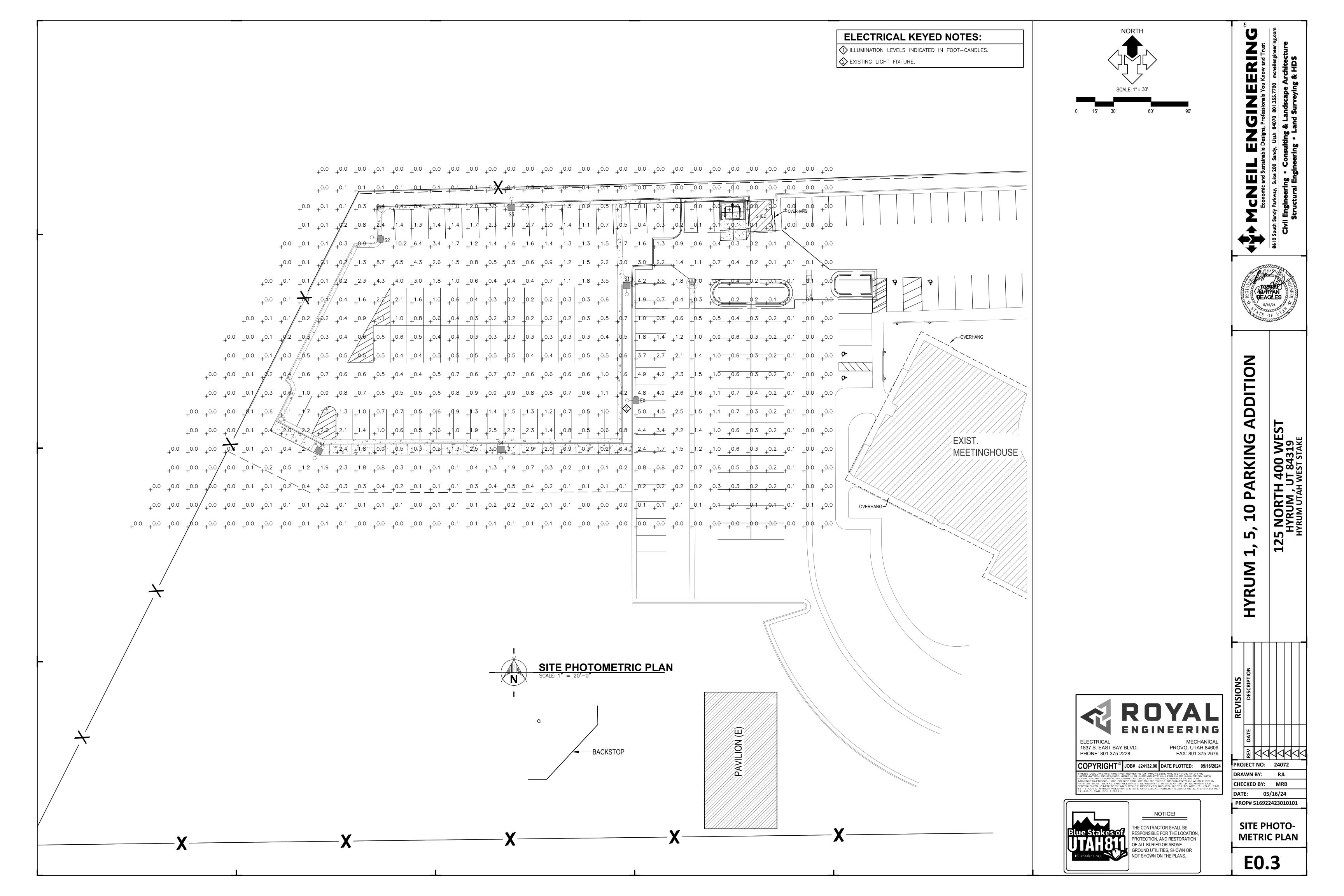


ELECTRICAL COVER SHEET

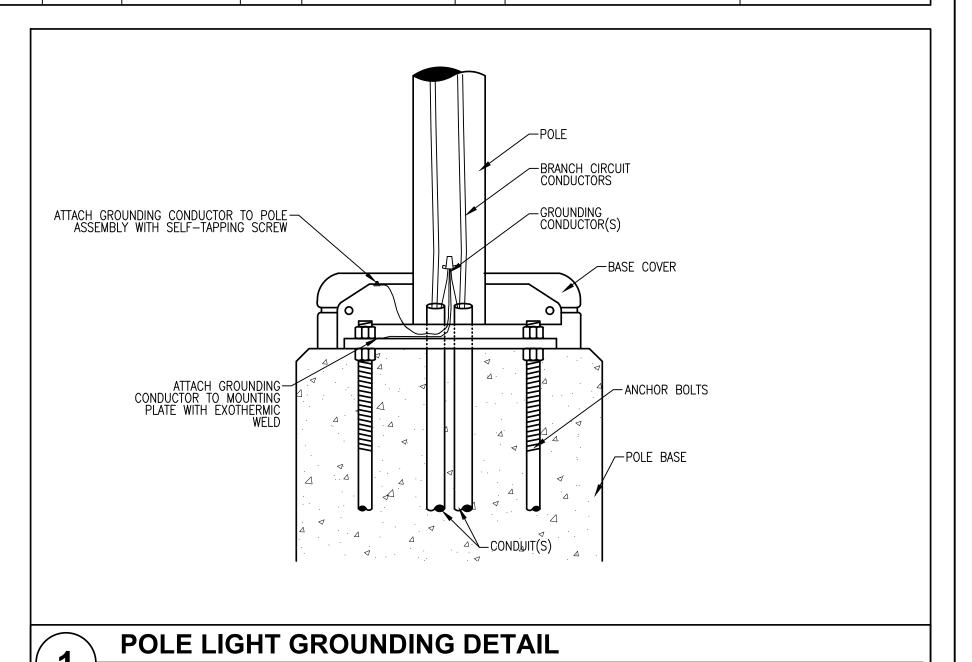
PROP# 516922423010101

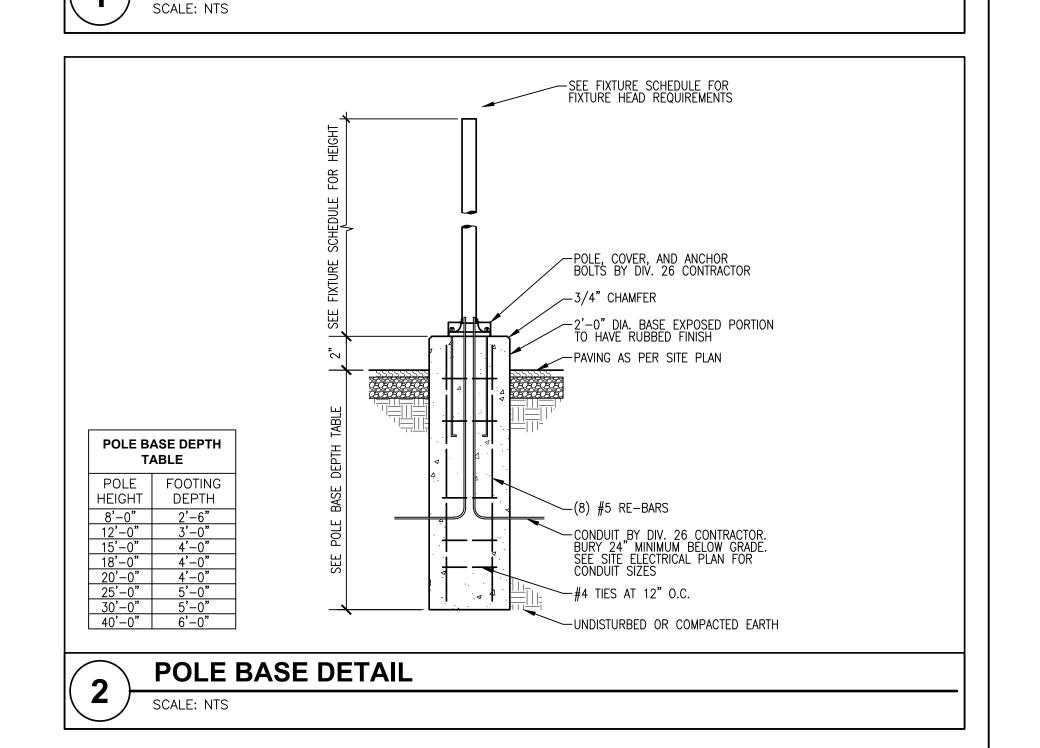
E0.1

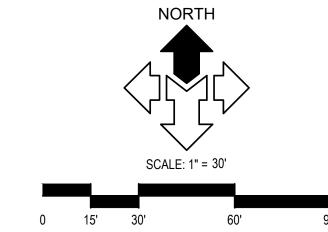


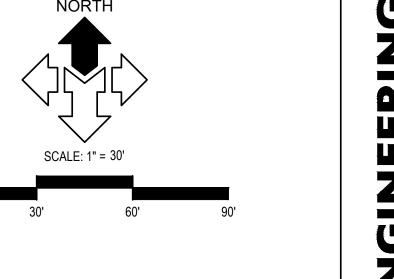


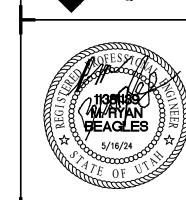
SITE LIGHTING FIXTURE SCHEDULE												
FIXT	FIXTURE								POLE			REMARKS
#	MANUFACTURER	CATALOG #	VOLTS #/POLE WATTS MOUNTING		TYPE	QTY/FIXT.	MANUFACTURER	HEIGHT CATALOG #		REWARNS		
S1	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S2	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA2D-830-U-SLR	120	1	129	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S3	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2-HSS	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.
S4	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T4FT	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPAULDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-4A16-SFXXX SSS-16-40-1-**-SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.





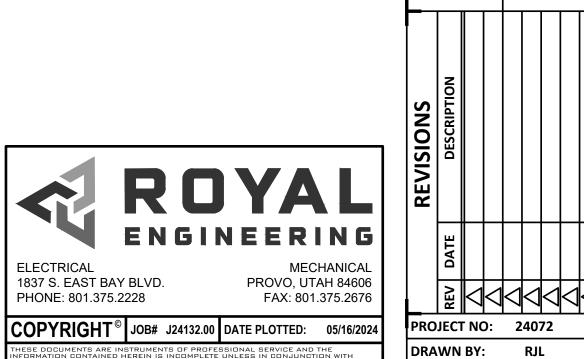






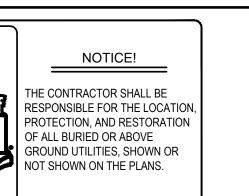
ADDITION

10 PARKING 125 NORTH 400 HYRUM , UT 84 HYRUM UTAH WEST 5 1, HYRUM



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 PI AMS

ELECTRICAL 1837 S. EAST BAY BLVD. PHONE: 801.375.2228



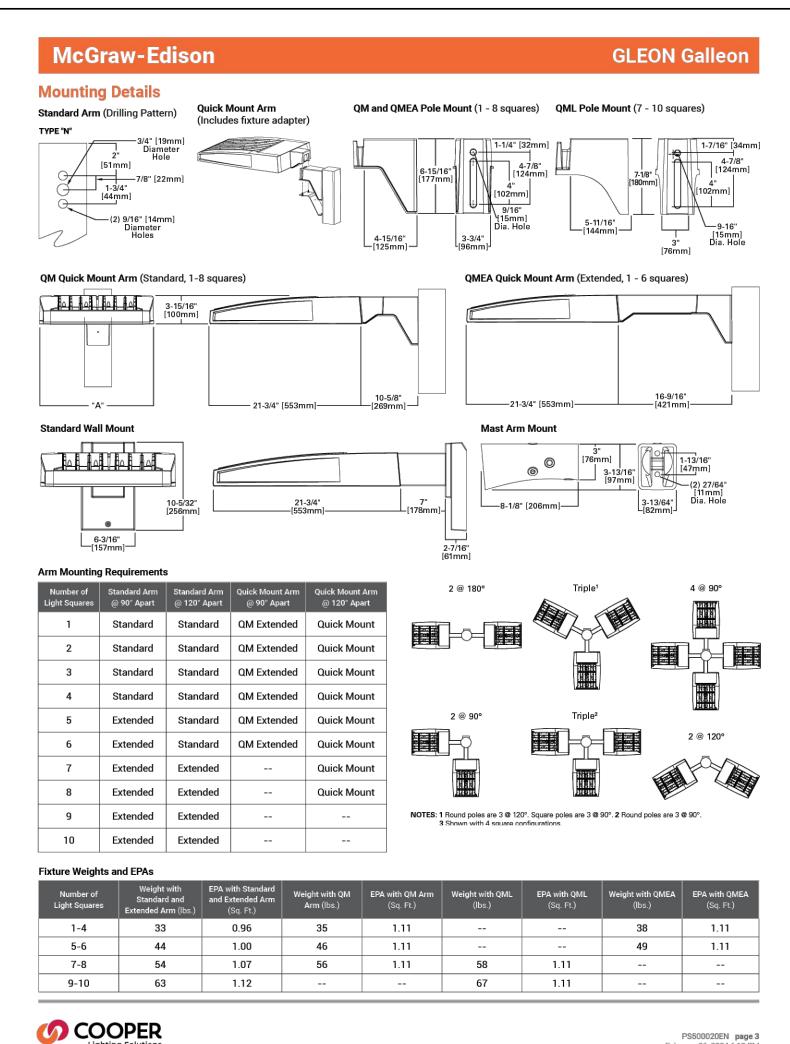
ELECTRICAL SCHEDULES

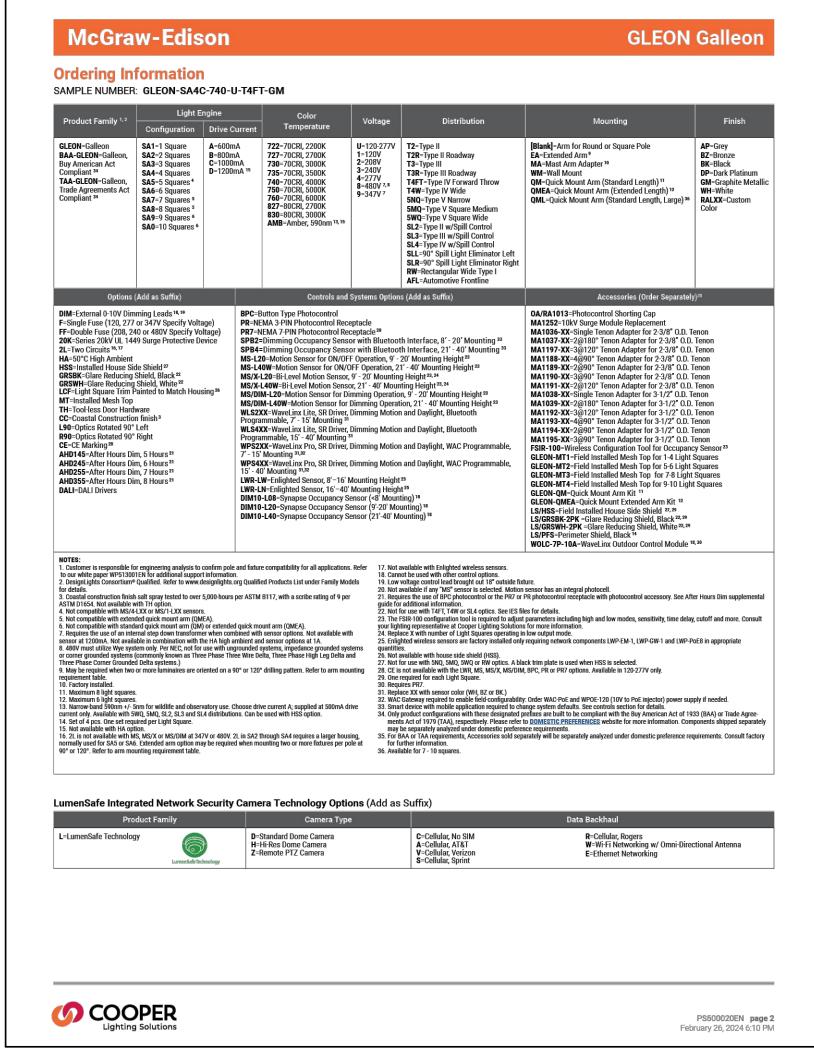
PROP# 516922423010101

CHECKED BY: MRB

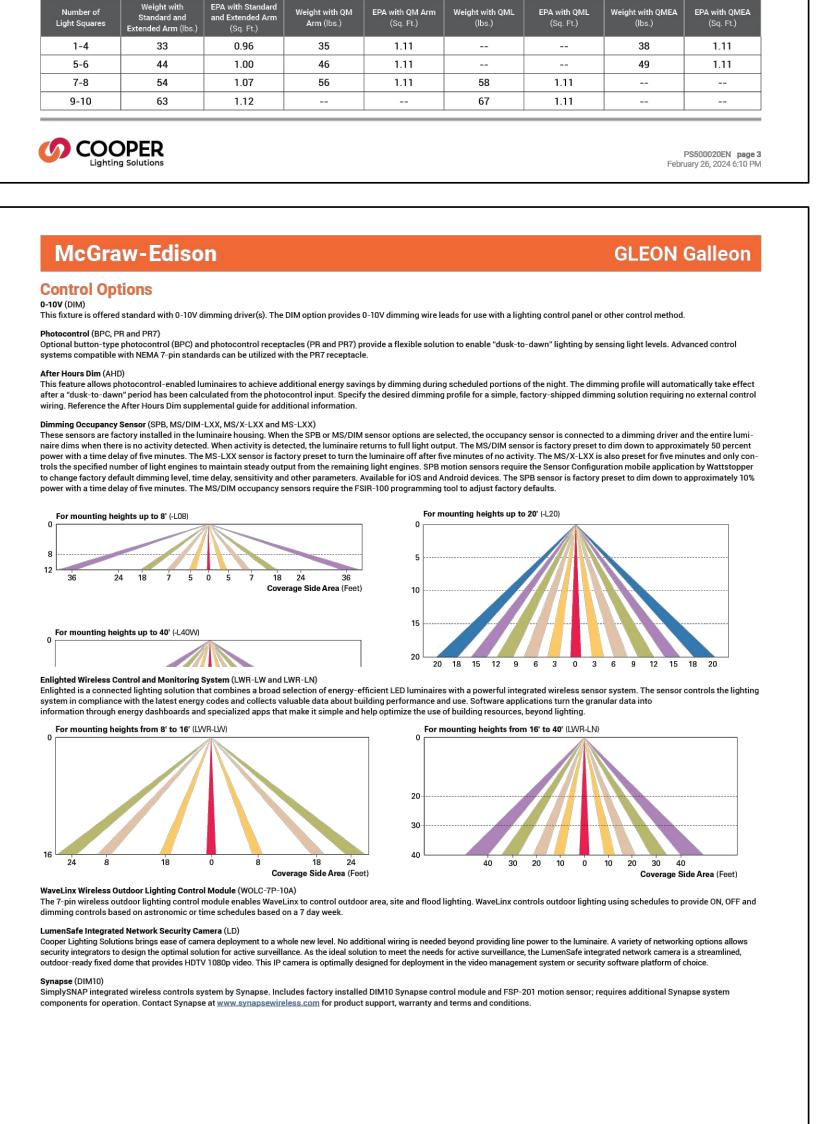
DATE: 05/16/24

E6.1



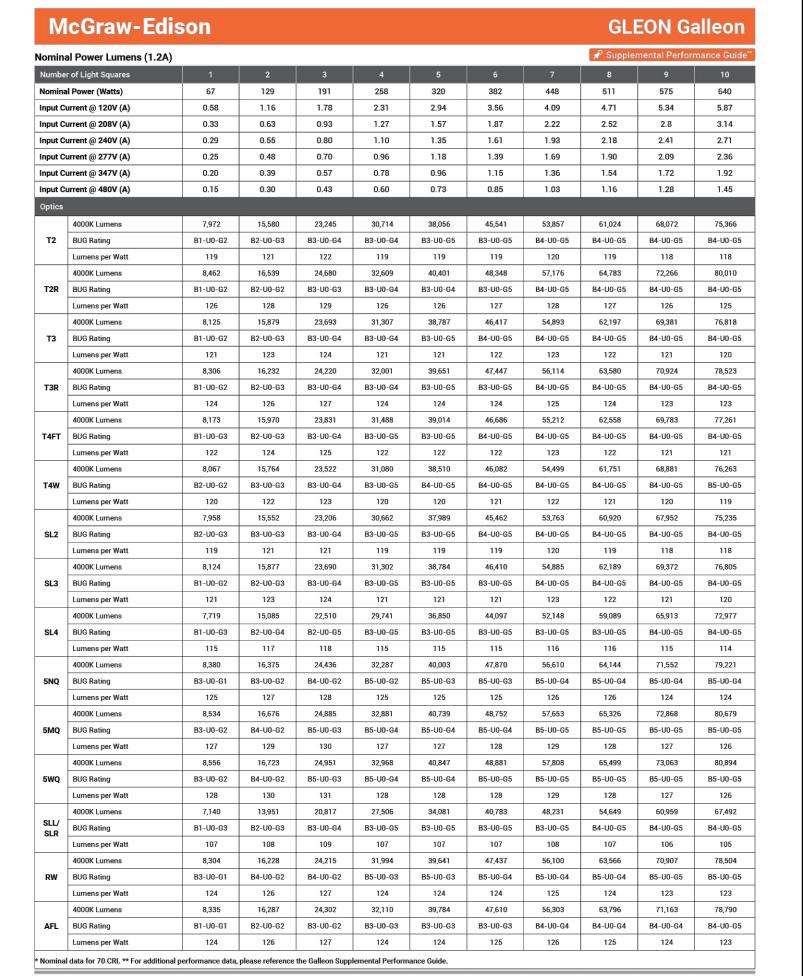






© 2024 Cooper Lighting Solution: All Rights Reserved.

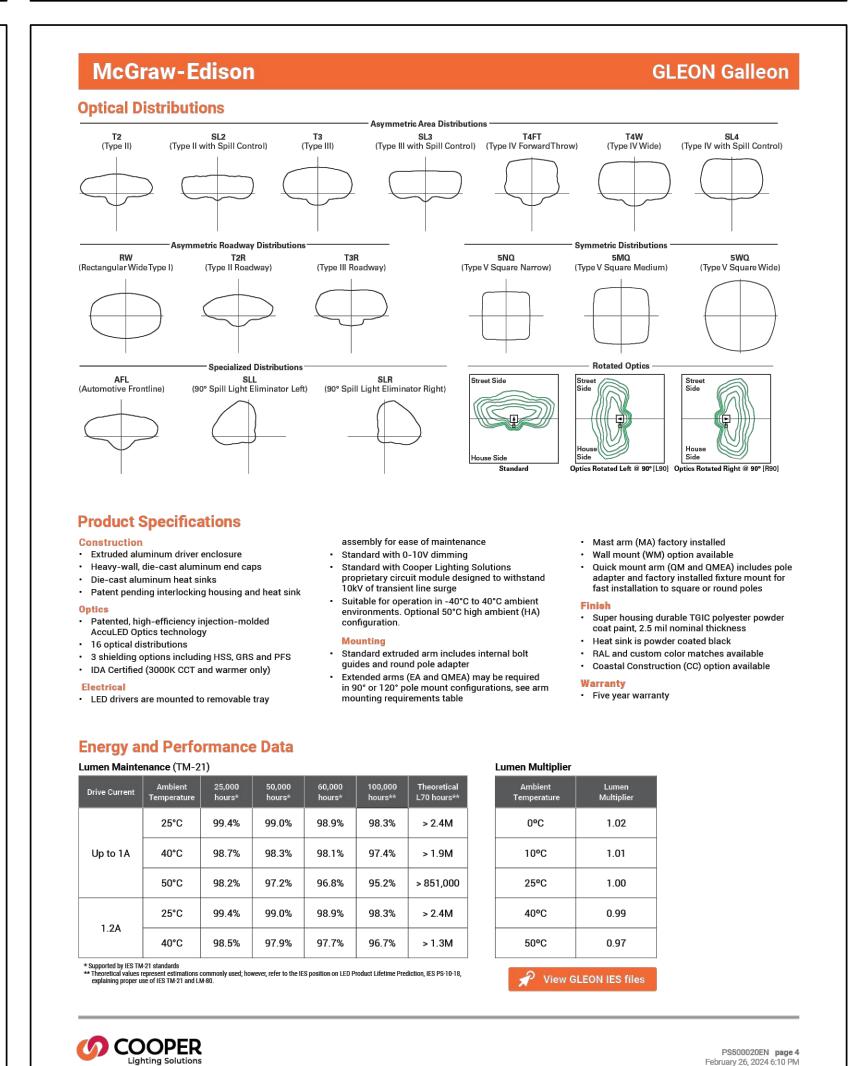
O COOPER

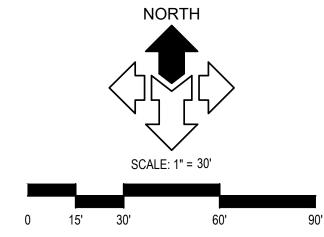


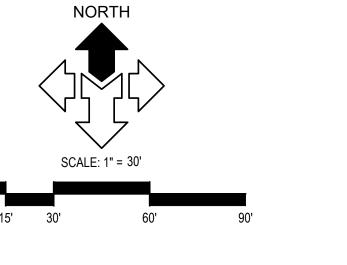
PS500020EN page 5

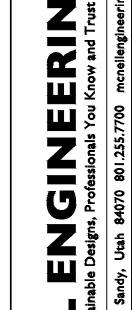
(COOPER

PS500020EN page 9









U

U



0

SUIY Ш **W**119 04 40 17 8 AR 4 0 H **L** $\overline{}$

PROJECT NO: 24072

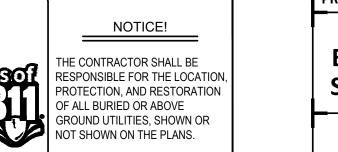
DRAWN BY: CHECKED BY: MRB 05/16/24

COPYRIGHT[©] JOB# J24132.00 DATE PLOTTED: 05/16/2024 PROP# 516922423010101

MECHANICAL

PROVO, UTAH 84606

FAX: 801.375.2676



ENGINEERING

ELECTRICAL SCHEDULES

E6.2

ART WITHOUT ROYAL ENGINEERING'S CONSENT IS IN VIOLATION OF COMMON LAW.

1 PYRIGHTS, STATUTORY AND OTHER RESERVED RIGHTS, REFER TO ACT 17 U.S.C. PAI

1 (1991). WHICH PREEMPTS STATE AND LOCAL PUBLIC RECORD ACTS. REFER TO AC

ELECTRICAL

1837 S. EAST BAY BLVD.

PHONE: 801.375.2228