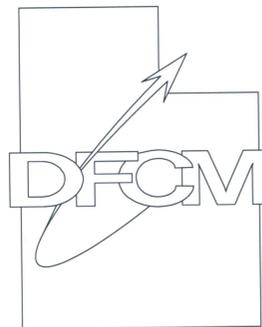


CALVIN RAMPTON COMPLEX PARKING LOT ADDITION

4501 S. 2700 W
SALT LAKE CITY, UTAH
DFCM PROJECT # 08213900

State of Utah
Department of Administrative Services



Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

<http://dfcm.utah.gov>

JULY 2009

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Designing for the Future Since 1983
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CALVIN RAMPTON COMPLEX
STATE OF UTAH - DFCM
4501 SOUTH 2700 WEST
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST

REVISIONS		
REV.	DATE	DESCRIPTION
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PROJECT NO: 290025
CAD DWG. FILE: 290025site.dwg
DRAWN BY: MS
BUILDING #: _____
PROPERTY NO: _____
DESIGNED BY: RJD
FIELD CREW: JSG/JRS
CHECKED BY: RJD
DATE: JULY 2009

SHEET TITLE:
COVER SHEET

C0.00
SHEET: 1 OF 10

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GENERAL NOTES

- 1.1 COMPLIANCE
 1. ALL WORK TO CONFORM TO SALT LAKE CITY'S STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
 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), APWA MANUAL 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 ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
- 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 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 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 CAN BE EASILY OBSERVED.
 3. DO NOT SCALE DRAWING FOR QUANTITIES OR DIMENSIONS. IF THERE IS A QUESTION ON DIMENSIONS CONTACT ENGINEER FOR CLARIFICATION.
- 1.4 SAFETY AND PROTECTION
 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 REQUIREMENTS.
 3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OF 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 STANDARDS.
 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.
 11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION.
 12. 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.

GENERAL NOTES CONTINUED

- 1.5 MATERIALS
 - 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, CURB WALLS, MOUNTINGS, 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-ON-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" GRAVEL BASE OVER A WELL COMPACTED (90%) SUBGRADE.
 - E. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH RUBBED OR BROOKED. ANY "RUBBING" OR STONING 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). CUT ALL NEW EXPANSION JOINT MATERIAL 1/2" BELOW FINISH SURFACE AND INSTALL NEW JOINT SEALANT. SEE SPECIFICATION.
 - G. IF ANY CONCRETE IS CHIPPED OR CRACKED DURING THE REMOVAL OF ASPHALT, CONCRETE, OR CAUSED BY CONSTRUCTION TRAFFIC, ALL SECTIONS OF CONCRETE ARE TO BE REPLACED AT CONTRACTOR'S EXPENSE.
2. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 6" OF COMPACTED (95%) ROADBASE OVER PROPERLY PREPARED AND COMPACTED (90%) SUBGRADE, UNLESS NOTED OTHERWISE. -SEE SPECIFICATIONS, AND DETAIL SHEET.
 - A. ASPHALT COMPACTION SHALL BE A MINIMUM 96% (MARSHALL DESIGN).
 - B. 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.
3. STRIPING WILL BE PER THE PLANS. STRIPING TO INCLUDE ALL HANDICAP INSIGNIAS, SIGNS, CROSSHATCHING, DIRECTION ARROWS, ETC. AS SHOWN.

1.6 GRADING / SOILS

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH 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
- 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 AT RATE OF 100.00 CU. YD. THE BOTTOM OF THE EXCAVATION WILL RECEIVE A STABILIZATION FABRIC, MIRAFI 600X OR APPROVED BY ARCHITECT/ENGINEER, AND THE COMPENSATION FOR THE FABRIC WILL BE 10.13 SQ. FT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE DOCUMENTS.
4. 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.
5. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITH THE AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE DOCUMENTS.
6. ALL EXISTING VALVES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED TO GRADE AS REQUIRED.

GENERAL NOTES CONTINUED

- 1.7 UTILITIES
 1. 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. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND CONNECTIONS.
 3. 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.
 4. 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
 1. CONTRACTOR IS RESPONSIBLE FOR ALL STAKING, GRADES, AND CONTROL POINTS.
 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.
 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.

LEGEND

NEW	EXISTING		NEW	EXISTING	
---	---	SUBJECT PROPERTY LINE	PP	PP	POWER POLE
-X-	-X-	FENCE LINE	UP	UP	UTILITY POLE
-P-	-P-	POWER LINE	GUY	GUY	GUY ANCHOR
-T-	-T-	TELEPHONE LINE	TRANS	TRANS	POWER TRANSFORMER
-ATMS-	-ATMS-	ATM'S CABLE	LP	LP	LIGHT POLE
-FO-	-FO-	FIBER-OPTIC CABLE	TB	TB	TELEPHONE RISER
-G-	-G-	NATURAL GAS LINE	Ⓣ	Ⓣ	TELEPHONE MANHOLE
-W-	-W-	WATER LINE	Ⓜ	Ⓜ	WATER MANHOLE
-SW-	-SW-	SECONDARY WATER LINE	⊗	⊗	WATER VALVE
-S-	-S-	SANITARY SEWER LINE	Ⓜ	Ⓜ	WATER METER
-SD-	-SD-	STORM DRAIN LINE	Ⓜ	Ⓜ	FIRE HYDRANT
-IRR-	-IRR-	IRRIGATION LINE	Ⓜ	Ⓜ	SANITARY SEWER MANHOLE
-RD-	-RD-	ROOF DRAIN LINE	Ⓜ	Ⓜ	SANITARY SEWER CLEANOUT
-DITCH-	-DITCH-	DITCH FLOWLINE	Ⓜ	Ⓜ	STORM DRAIN MANHOLE
---(72)---	---(4572)---	CONTOUR LINE	Ⓜ	Ⓜ	STORM DRAIN CATCH BASIN
---	---	CURB & GUTTER (CATCH)	Ⓜ	Ⓜ	GRATE
---	---	CURB & GUTTER (RELEASE)	Ⓜ	Ⓜ	STORM DRAIN CLEANOUT
---	---	BUILDING	44.00 TOC	44.00 TOC	SPOT ELEVATION
---	---	CONCRETE PAVEMENT	→	→	FLOW DIRECTION
---	---	STD. DUTY ASPHALT	Ⓜ	Ⓜ	CONIFEROUS TREE
			Ⓜ	Ⓜ	DECIDUOUS TREE
			Ⓜ	Ⓜ	SIGN
			Ⓜ	Ⓜ	ELECTRICAL METER
			Ⓜ	Ⓜ	GAS METER
			Ⓜ	Ⓜ	AC UNIT
			Ⓜ	Ⓜ	ROOF DRAIN

ABBREVIATIONS

AC	AIR CONDITIONING	IE	INVERT ELEVATION	SDCB	STORM DRAIN CATCH BASIN
BC	BUILDING	IRR	IRRIGATION	S	SOUTH
B/C	BAR & CAP	LF	LINEAR FEET	SAD	SEE ARCHITECTURAL DRAWINGS
BM	BENCHMARK	LIP	LIP OF CURB	SB	
BOW	BACK OF WALK	MAX	MAXIMUM	SD	
C	CENTERLINE	MIN	MINIMUM	SEC	
CP	CONTROL POINT	MON	MONUMENT	SPEC	
CU FT	CUBIC FOOT	N	NORTH	SQ	
CU YD	CUBIC YARD	NG	NATURAL GROUND	SQ FT	
CONC	CONCRETE	NOTE	SEE NOTE	SQ YD	
CONST	CONSTRUCTION	NTS	NOT TO SCALE	STA	
CMP	COMBUSTIBLE METAL PIPE	OG	ORIGINAL GROUND	STD	
DIA or Ø	DIAMETER	FC	POINT OF CURVATURE	STM	
E	EAST	FCC	POINT OF COMPOUND CURVE	T	
EOA	EDGE OF ASPHALT	PI	POINT OF INTERSECTION	TBC	
EOC	EDGE OF CONCRETE	PRC	POINT OF REVERSE CURVE	TBR	
ELEV	ELEVATION	PT	POINT OF TANGENCY	TOA	
EX	EXISTING	POC	POINT OF CONNECTION	TOC	
FFE	FINISHED FLOOR ELEVATION	PLUR	POWER	TOE	TOE OF SLOPE
FG	FINISHED GRADE	P	PROPERTY LINE	TOP	TOP OF BANK
FT	FEET	PVC	POLYVINYL CHLORIDE PIPE	TOB	TOP OF SIDEWALK
FL	FLOW LINE	R	RANGE	TOW	TOP OF WALL
FOU	FRONT OF WALK	RCP	REINFORCED CONCRETE PIPE	TRANS	TRANSFORMER
GB	GRADE BREAK	RD	ROOF DRAIN	UNO.	UNLESS NOTED OTHERWISE
HDPE	HIGH DENSITY POLYETHYLENE	REV	REVISION	UTR	WATER
HU	HIGH WATER	ROW	RIGHT-OF-WAY	UV	WATER VALVE
HUY	HIGHWAY			W	WEST



VICINITY MAP
NTS.

DESIGN TEAM

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SHEET INDEX

SHEET NO.	SHEET TITLE
C0.00	COVER SHEET
C0.01	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
C1.00	SITE SURVEY
C1.01	TOPOGRAPHICAL SURVEY
C1.02	DEMOLITION PLAN
C1.03	GRADING AND DRAINAGE PLAN
C1.04	COVERED PARKING AND HORIZONTAL CONTROL PLAN
C2.01	CARPORT PLAN, SECTIONS, AND DETAILS
C3.01	MISCELLANEOUS DETAIL SHEET
L1.01	LANDSCAPING SHEET

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CALVIN RAMPTON COMPLEX
STATE OF UTAH - DFCM
4501 SOUTH 2700 WEST
SALT LAKE CITY, UTAH
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST

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PROJECT NO:	290025
CAD DWG. FILE:	290025site.dwg
DRAWN BY:	MS
BUILDING #:	
PROPERTY NO:	
DESIGNED BY:	RJD
FIELD CREW:	JSG/JRS
CHECKED BY:	RJD
DATE:	JULY 2009

SHEET TITLE:
GENERAL NOTES, LEGEND, AND ABBREVIATIONS

C0.01
SHEET: 2 of 10

CENTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN. FOUND BRASS CAP MONUMENT (RING & LID)

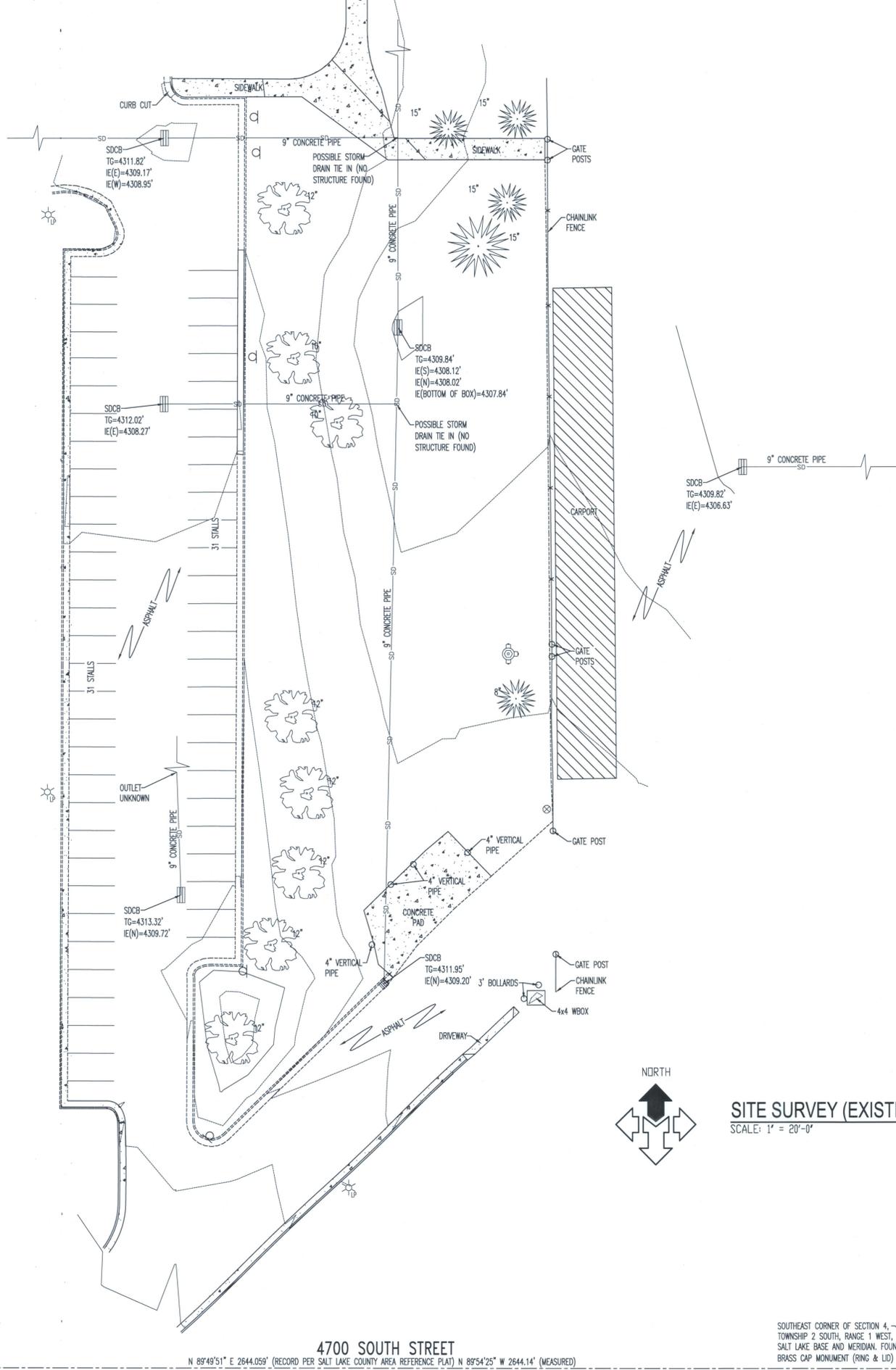
2700 WEST STREET
BASIS OF BEARING N 0°15'41" E 2646.618' (RECORD) 2646.564' (MEASURED)

SOUTH QUARTER CORNER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN. BENCHMARK ELEVATION = 4350.64'

4700 SOUTH STREET
N 89°49'51" E 2644.059' (RECORD PER SALT LAKE COUNTY AREA REFERENCE PLAT) N 89°54'25" W 2644.14' (MEASURED)

SOUTHEAST CORNER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN. FOUND BRASS CAP MONUMENT (RING & LID)

2200 WEST STREET



SITE SURVEY (EXISTING CONDITIONS) PLAN
SCALE: 1" = 20'-0"

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PROPERTY NO:	
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FIELD CREW:	JSG/JRS
CHECKED BY:	RJD
DATE:	JULY 2009

SHEET TITLE:
SITE SURVEY

C1.00
SHEET 3 OF 10

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CENTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN. FOUND BRASS CAP MONUMENT (RING & LID)

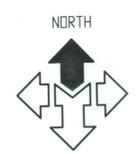
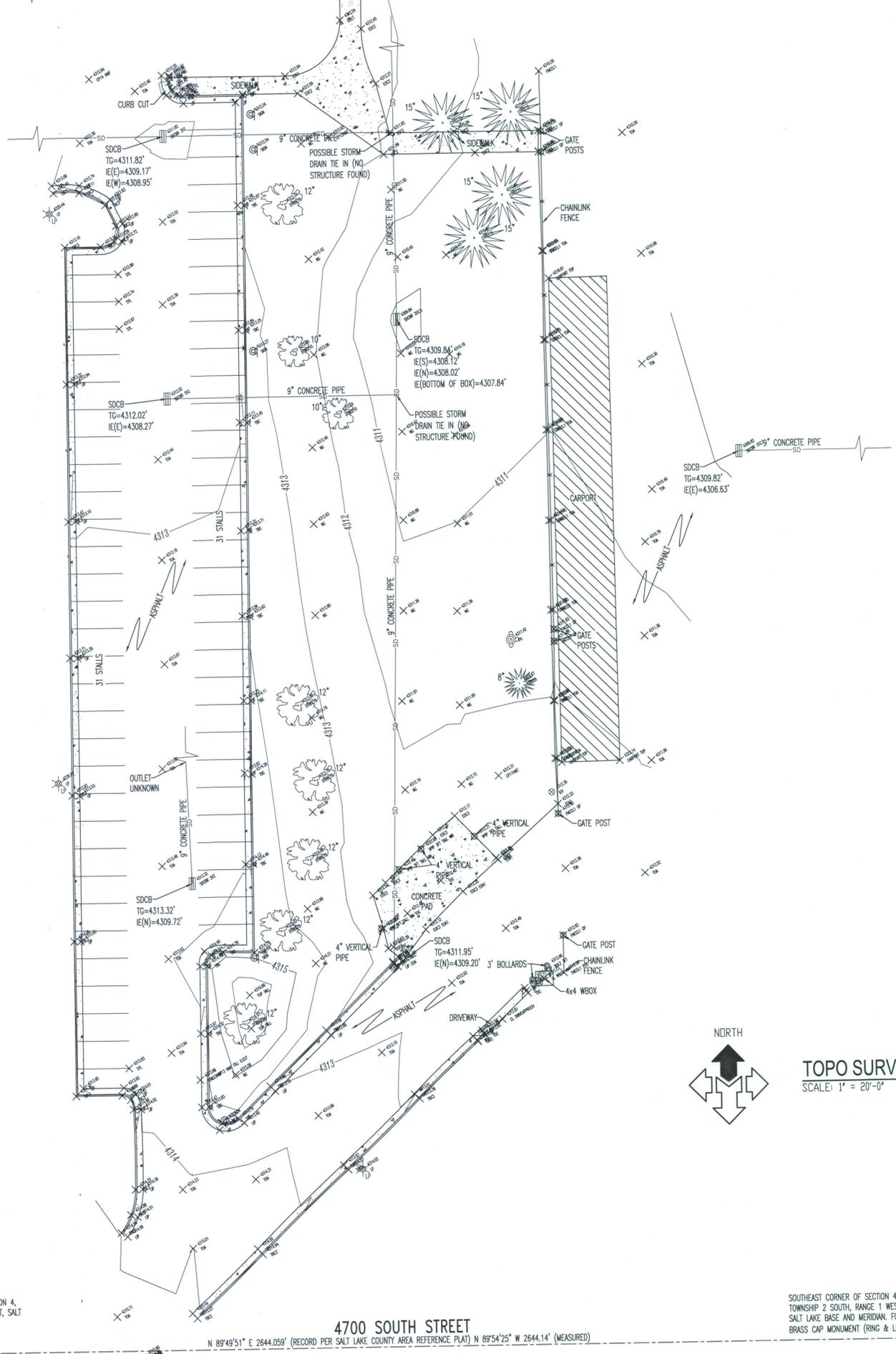
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2200 WEST STREET



TOPO SURVEY (EXISTING CONDITIONS) PLAN
SCALE: 1" = 20'-0"

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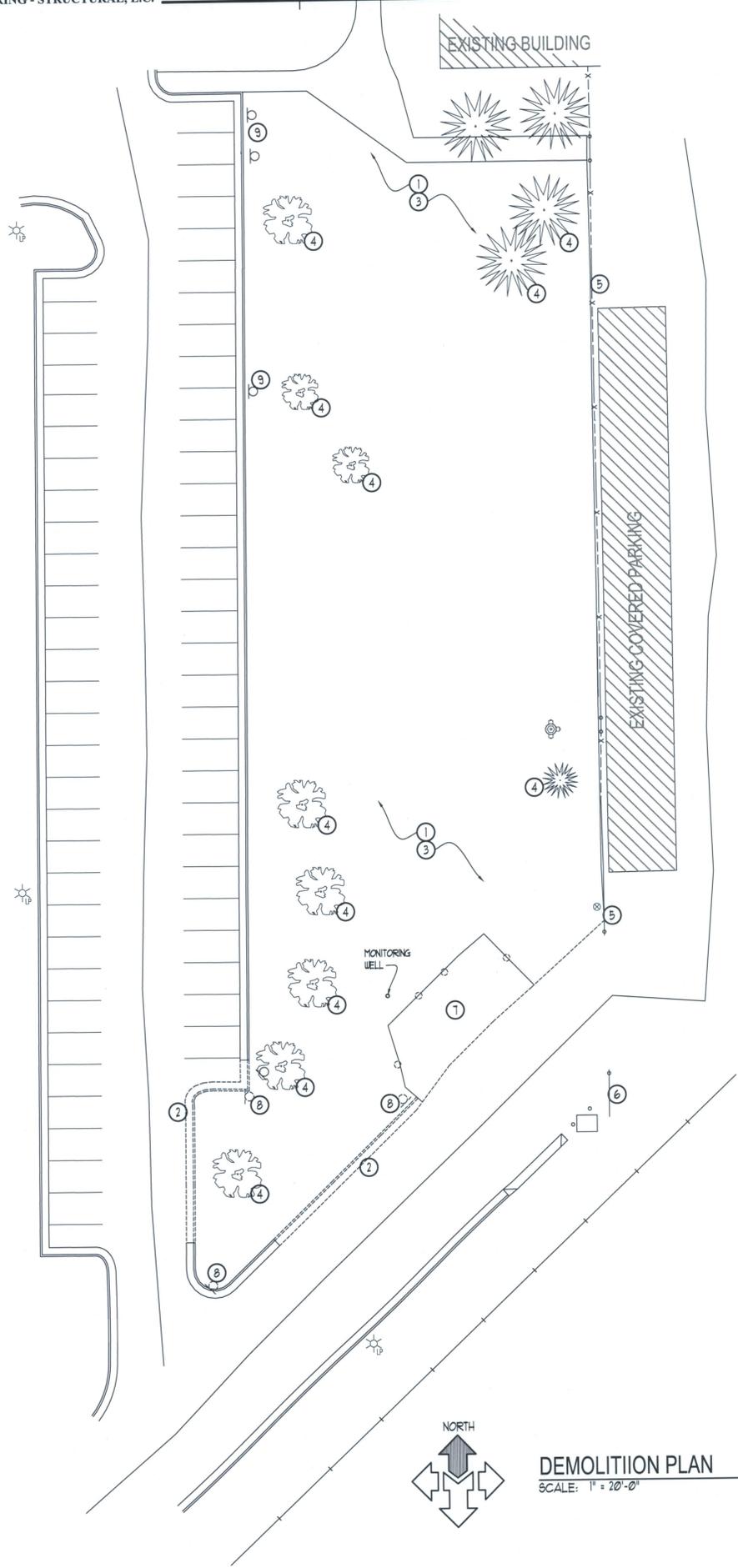
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SHEET TITLE:
TOPOGRAPHICAL SURVEY

C1.01
SHEET 4 OF 10



SCOPE OF WORK

- ① REMOVE EXISTING TOPSOIL AND SUBGRADE DOWN 2" (MIN) BELOW FINISH GRADE. (EXCAVATE DOWN TO 9" BELOW NEW ASPHALT GRADE IN ALL CASES.) OWNER TO REMOVE SOD.
- ② REMOVE EXISTING CONCRETE CURB AND GUTTER LEGALLY DISPOSE.
- ③ REMOVE EXISTING SPRINKLER LINES, HEADS AND VALVES AS REQUIRED FOR OLD LAWN AREA. GIVE HEADS AND VALVES TO OWNER.
- ④ REMOVE (11) EXISTING TREES INCLUDING ROOT BALL.
- ⑤ REMOVE EXISTING CHAIN LINK FENCE.
- ⑥ REMOVE EXISTING POSTS AND CHAIN LINK GATES. CHAIN LINK FENCE TO SOUTH TO REMAIN.
- ⑦ REMOVE EXISTING CONCRETE PAD AND POSTS.
- ⑧ REMOVE EXISTING SIGNS AND RETURN TO OWNER.
- ⑨ REMOVE SIGN & CONCRETE.

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DEMOLITION PLAN

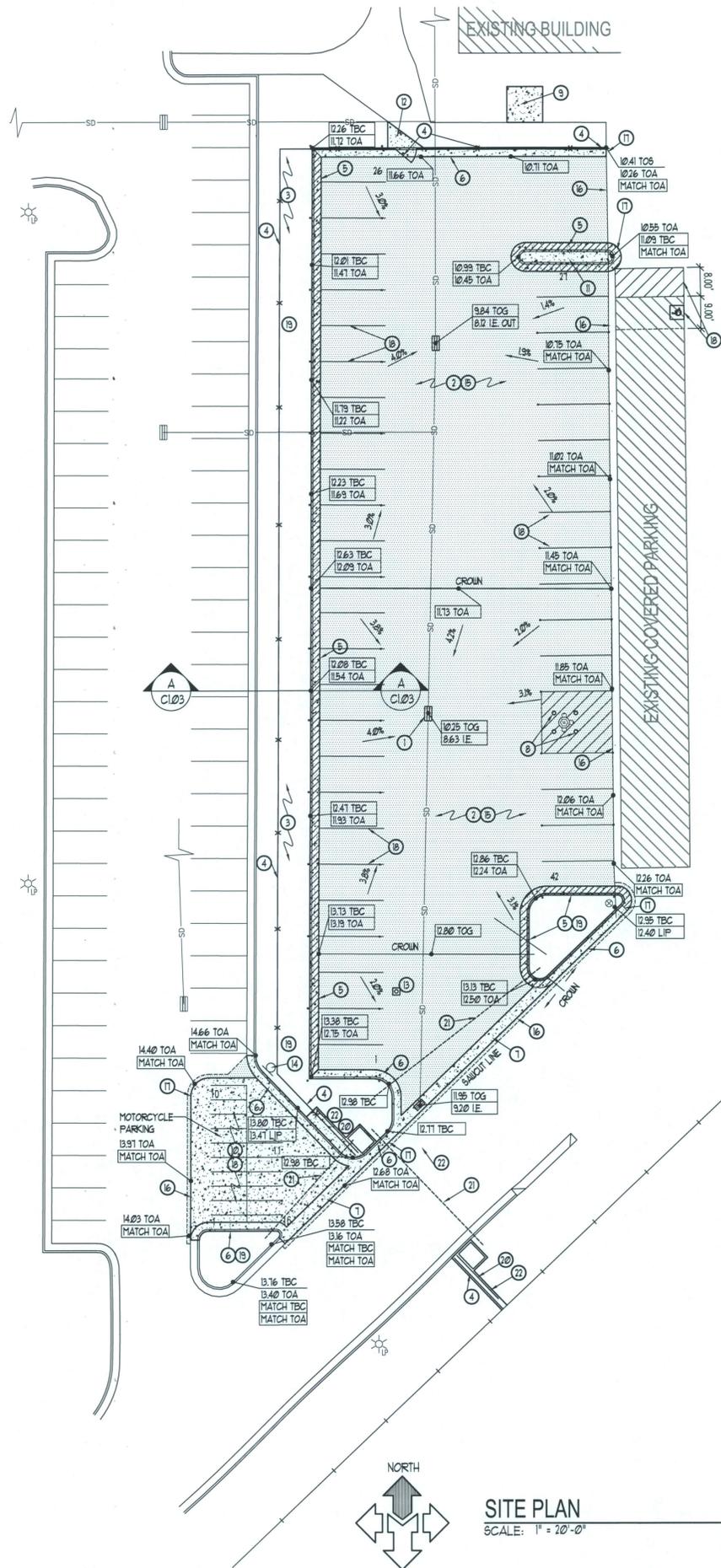
C1.02
 SHEET: 5 of 10

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
Call DJ
 1-800-662-4111

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

DEMOLITION PLAN
 SCALE: 1" = 20'-0"

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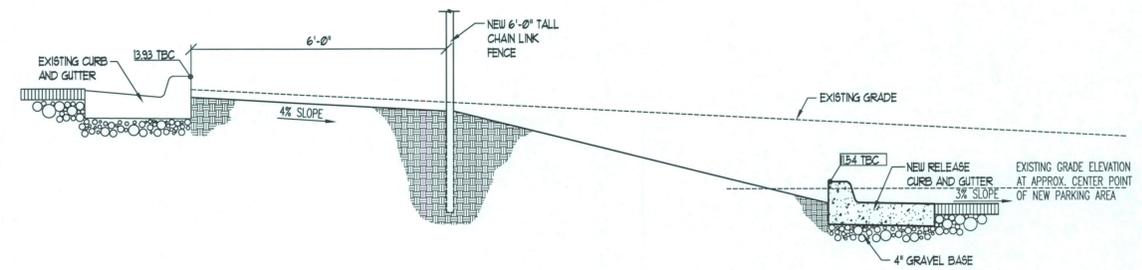


SITE PLAN
SCALE: 1" = 20'-0"

SCOPE OF WORK

1. INSTALL NEW 2X2X4 PRECAST CATCH BASIN (SIMILAR TO EXISTING) OVER EXISTING 3" 4 CONCRETE STORM DRAIN PIPE. SEAL PIPES INTO BOX WATERTIGHT.
2. INSTALL NEW STABILIZATION FABRIC UNDER ENTIRE AREA OF NEW PARKING LOT. INSTALL 12" OF NEW STRUCTURAL FILL OVER AREAS NEEDED TO BRING GRADE TO 3" FROM TOP OF FINISHED ASPHALT GRADES.
3. REGRADE AREA BEHIND EXISTING CURB 4 GUTTER TO BE LEFT IN AND NEW CURB 4 GUTTER AS PER DETAIL A/C5.01.
4. INSTALL NEW 6' TALL CHAIN LINK FENCE W/ 4' WIDE LOCKABLE MAN-GATE AT NORTH END BY SIDEWALK. RUN POSTS TO FENCE IN BACK OF CURB 4 GUTTER AT NORTH END.
5. INSTALL NEW RELEASE CURB 4 GUTTER SEE DETAIL A/C5.01
6. INSTALL NEW CATCH CURB 4 GUTTER SEE DETAIL B/C5.01
7. INSTALL NEW WATERWAY. SEE DETAIL D/C5.01
8. LEAVE FIRE HYDRANT AS IS. INSTALL (4) 6" STEEL BOLLARDS AROUND HYDRANT AS PER DETAIL C/C5.01
9. REMOVE EXISTING BUSHES AND SPRINKLER HEADS AS REQUIRED TO INSTALL NEW 10'X10'X4" THICK CONCRETE PAD FOR PICNIC TABLES. LOCATION BY OWNER.
10. INSTALL NEW 5" THICK CONCRETE SLAB FOR MOTORCYCLE PARKING AREA AS SHOWN. SAW CUT ASPHALT BACK FAR ENOUGH TO SET FORMS.
11. INSTALL 4" THICK CONCRETE SLAB BETWEEN CURB 4 GUTTER AT ISLAND ON NORTH END. SEE DETAIL E/C5.01

12. INSTALL NEW SECTION OF SIDEWALK AT NEW 4' MAN-GATE IN FENCE.
13. LEAVE EXISTING MONITORING HOLE IN PLACE. INSTALL 6" THICK CONCRETE CAP, 12"X12" AROUND OPENING WITH METAL CAP. SET TO NEW GRADE.
14. INSTALL NEW SIGN INDICATING MOTORCYCLE PARKING ONLY BEHIND NEW CURB 4 GUTTER.
15. INSTALL 6" OF NEW ROAD BASE WITH 3" ASPHALT.
16. SAW CUT EDGES OF ASPHALT BEFORE LAYING NEW ASPHALT. SAW CUT ASPHALT WHERE NEW CONCRETE IS TO BE POURED OUT 12" MIN. AND PATCH ASPHALT AFTER CONCRETE INSTALLATION.
17. PATCH ASPHALT AS REQUIRED BACK AGAINST NEW CONCRETE MIN. 3" THICK.
18. STRIPE PARKING LOT AS SHOWN. PAINT STRIPES FOR HANDICAP PARKING UNDER EXISTING METAL CARPORT.
19. INSTALL UEBD BARRIER W/ 2'-4" 4 ROCK IN ALL PLANTER AREAS. SEE LANDSCAPE PLAN SHEET L101
20. INSTALL NEW 20' 4 9' SECTION OF CANTILEVER SLIDING GATE WITH OPENERS. RUN POWER FROM EXISTING GATE CONTROLLER. 6' TALL CHAINLINK 3 Ga. w/ 2 1/2" GAL. GATE FRAME, w/ 4" O.D. GAL. GATE POSTS, w/ ROLLER COVERS. SEE ENLARGED PLAN FOR PAD, AND TRANSITION THROUGH CURB 4 GUTTER.
21. INSTALL 4" PVC CONDUIT BURIED 18" DEEP BETWEEN ISLANDS FOR FUTURE ELECTRICAL LINES.
22. INSTALL (2) 1Q-50000 MASTER/SLAVE SLIDE GATE OPERATORS WITH BUILT-IN BATTERY BACKUP WITH SK1000 CARD/KEYPAD READER. CONTACT WASATCH CONTROLLERS OR UTAH CONTROLLERS.



CROSS SECTION
SCALE: 1/2" = 1'-0"

PARKING STALLS

LOST PARKING STALLS = 6
 NEW PARKING STALLS = 42
 TOTAL NET GAIN PARKING STALLS = 36
 NEW MOTORCYCLE PARKING = 11

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

Call DJ
BEFORE YOU

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 4501 SOUTH 2700 WEST
 SALT LAKE CITY, UTAH
 LOCATED IN THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST

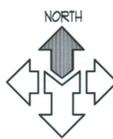
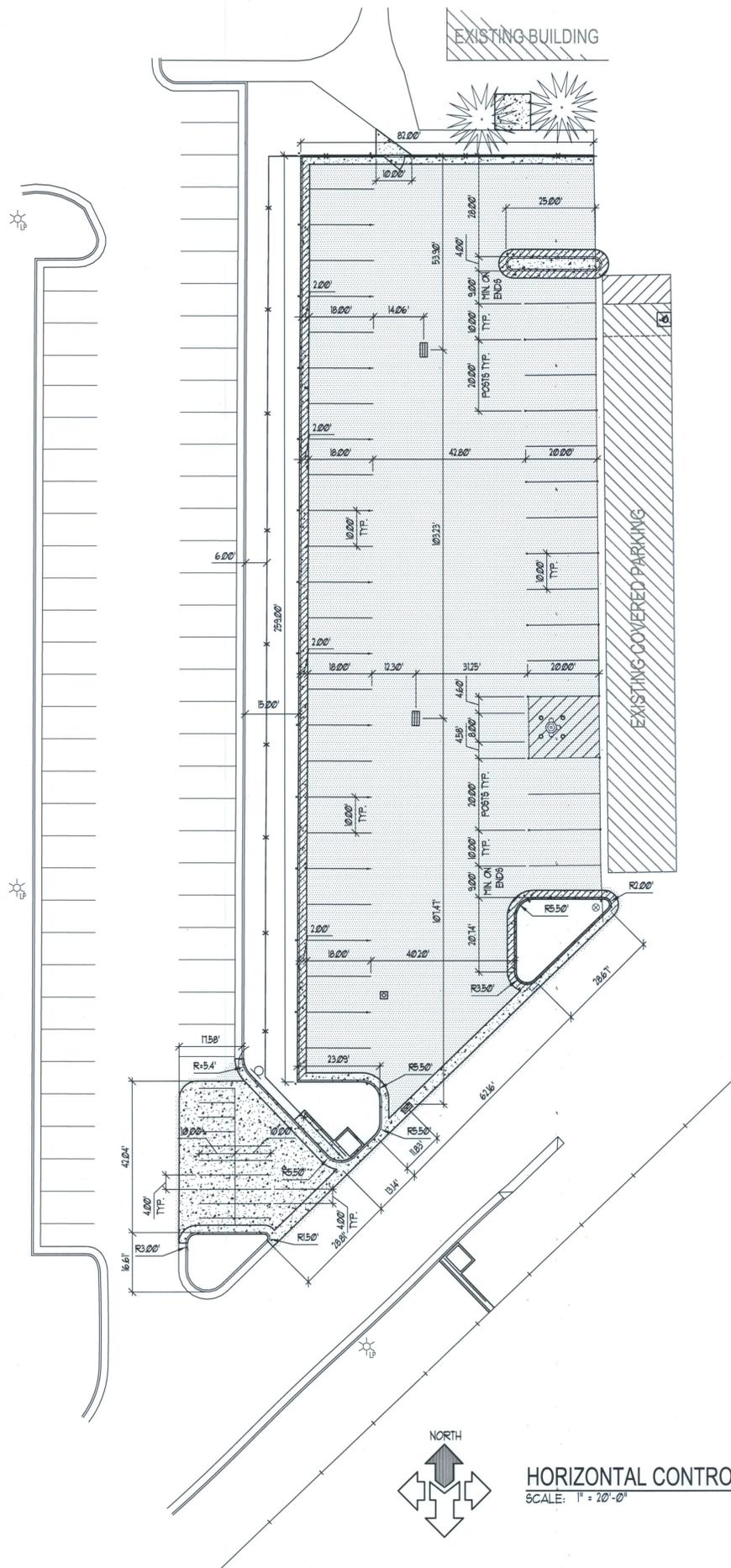
REVISIONS

REV.	DATE	DESCRIPTION

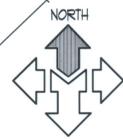
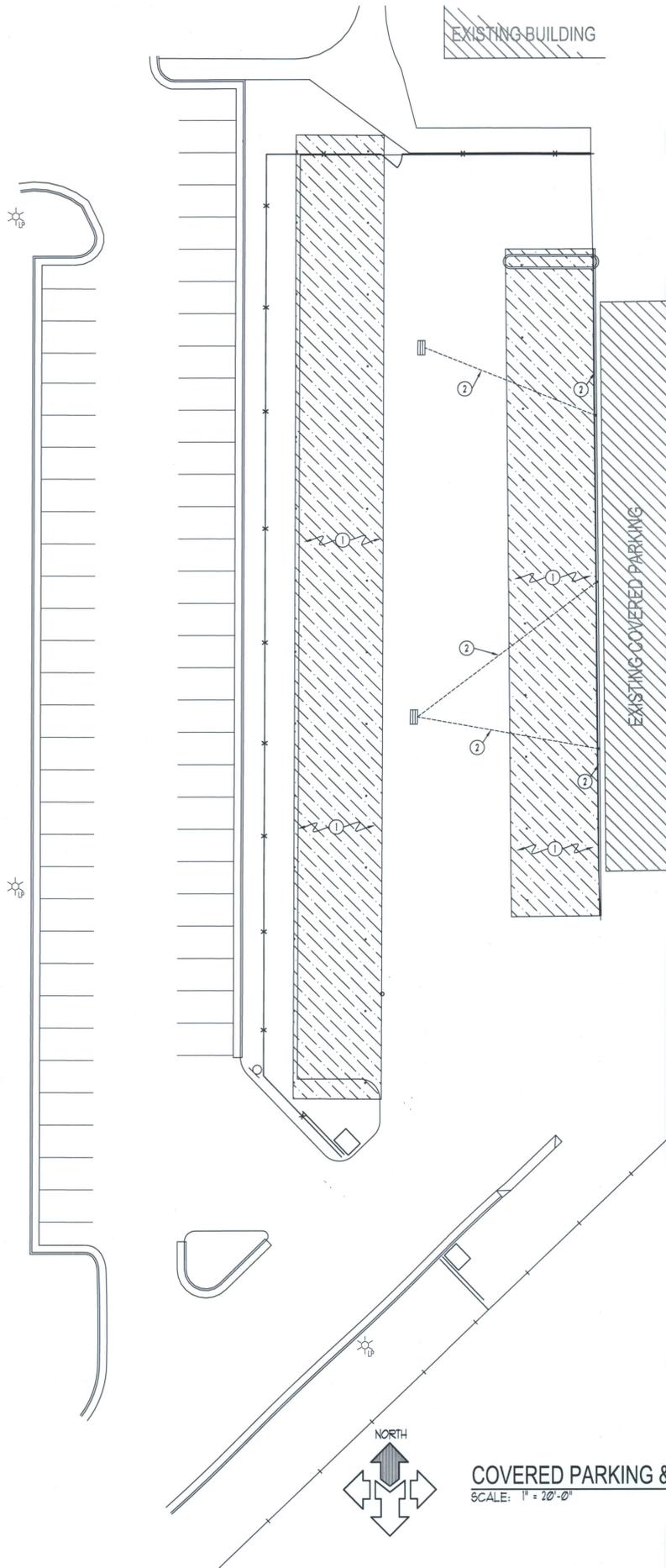
PROJECT NO: 290025
 CAD DWG. FILE: 290025site.dwg
 DRAWN BY: MS
 BUILDING #:
 PROPERTY NO:
 DESIGNED BY: RJD
 FIELD CREW: JSG/JRS
 CHECKED BY: RJD
 DATE: JULY 2009

SHEET TITLE:
GRADING & DRAINAGE PLAN

C1.03
 SHEET: 6 of 10



HORIZONTAL CONTROL PLAN
SCALE: 1" = 20'-0"



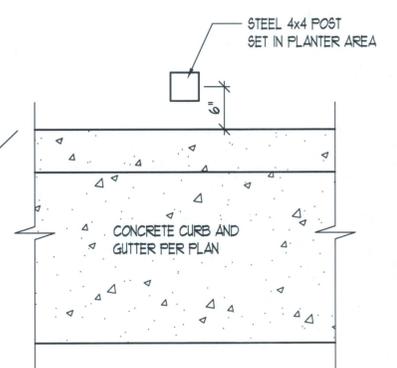
COVERED PARKING & LIGHTING
SCALE: 1" = 20'-0"

SCOPE OF WORK

- ① INSTALL NEW METAL POSTS, FRAMING, AND BACK PANELS FOR COVERED PARKING AS PER SHEET C2.01
- ② INSTALL 24 Ga. PRE-FINISHED METAL RAIN GUTTER AND DOWNSPOUT ON BACK SIDE OF NEW EAST SECTION CARPORT. RUN SOLID PVC PIPE TO CATCH BASINS.

LEGEND

 BACK MOUNTED HIGH PRESSURE SODIUM LITHONIA TUL505-TB-FE WITH PHOTO CELL. COLOR BY OWNER. 12 1/2" x 6 1/2" x 4" DEEP.



POST PLACEMENT DETAIL
SCALE: 1 1/2" = 1'-0"

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

Call Djo

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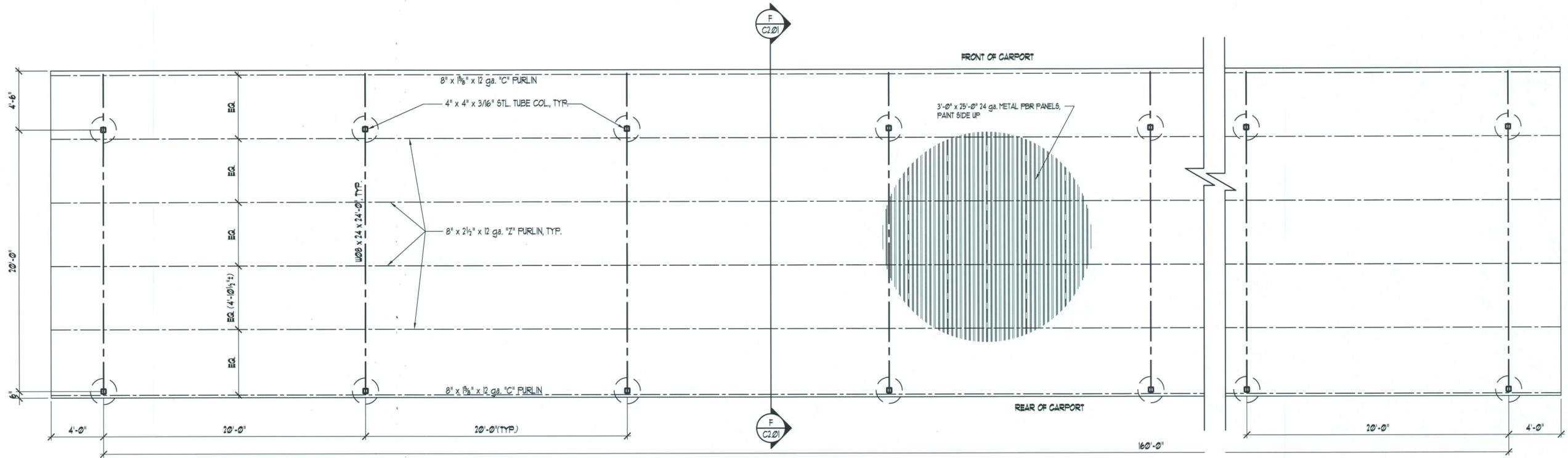
REV.	DATE	DESCRIPTION

PROJECT NO: 290025
CAD DWG. FILE: 290025site.dwg
DRAWN BY: MS
BUILDING #:
PROPERTY NO:
DESIGNED BY: RJD
FIELD CREW: JSG/JRS
CHECKED BY: RJD
DATE: JULY 2009

SHEET TITLE:
COVERED PARKING & HORIZONTAL CONTROL PLAN

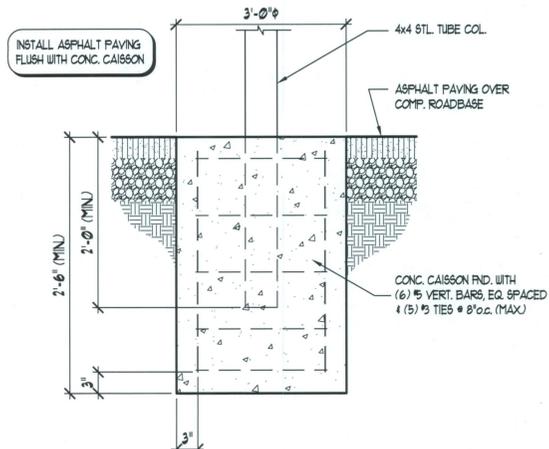
C1.04
SHEET: 7 OF 10

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CARPORT PLAN

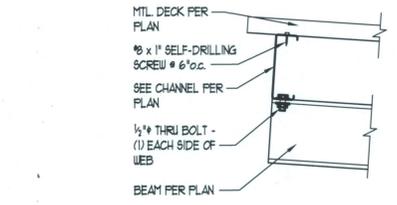
SCALE: 1/4" = 1'-0"



PURLIN TO BEAM CONNECTION

SCALE: 1/2" = 1'-0"

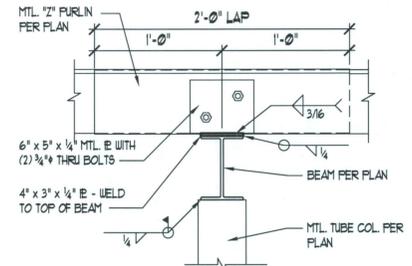
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PURLIN TO BEAM CONNECTION

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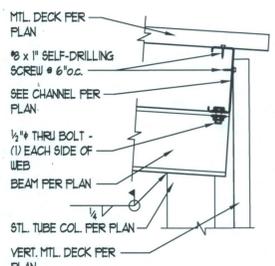
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PURLIN TO BEAM CONNECTION

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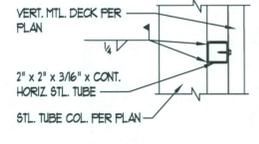
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PURLIN TO BEAM CONNECTION

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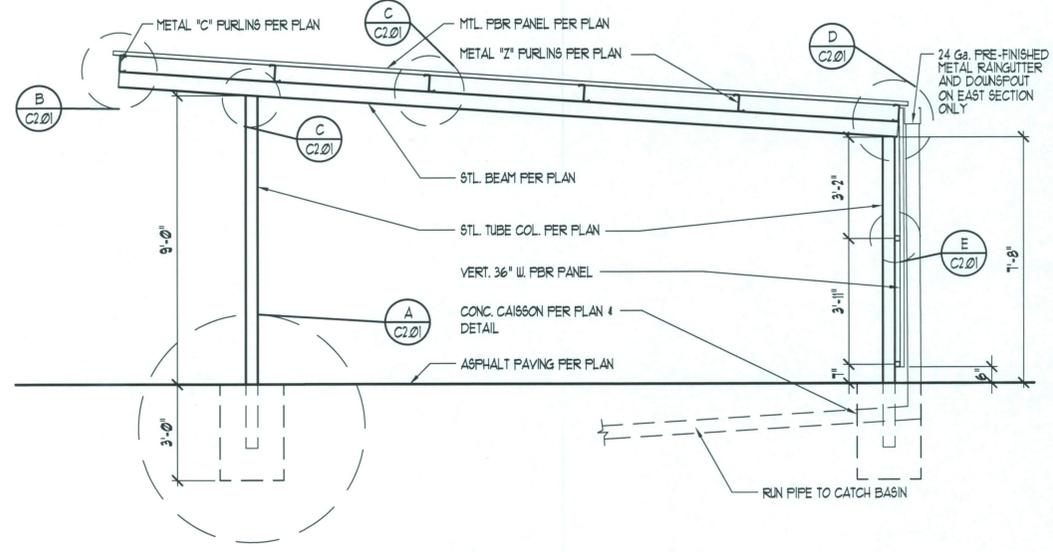
D



SIDING & HORIZONTAL SUPPORT

SCALE: 1/2" = 1'-0"

E



FRAMING SECTION

SCALE: 3/4" = 1'-0"

F

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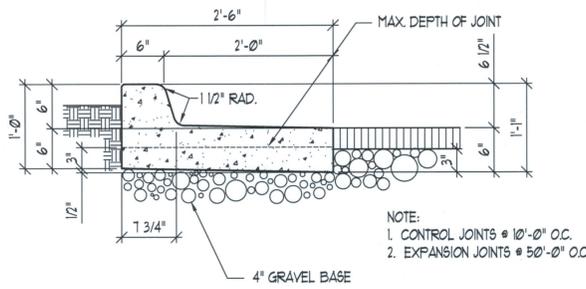
LOCATED IN THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN

REVISIONS		
REV.	DATE	DESCRIPTION

PROJECT NO: 290025
 CAD DWG. FILE: 290025p1n.dwg
 DRAWN BY: RWJ
 BUILDING #:
 PROPERTY NO:
 DESIGNED BY: CEG
 FIELD CREW:
 CHECKED BY: RJD
 DATE: JULY 2009

SHEET TITLE:
CARPORT PLAN SECTION & DETAILS

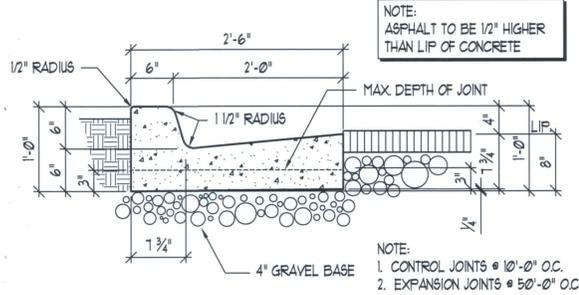
C2.01
 SHEET: 8 OF 10



RELEASE CURB & GUTTER

SCALE: 1" = 1'-0"

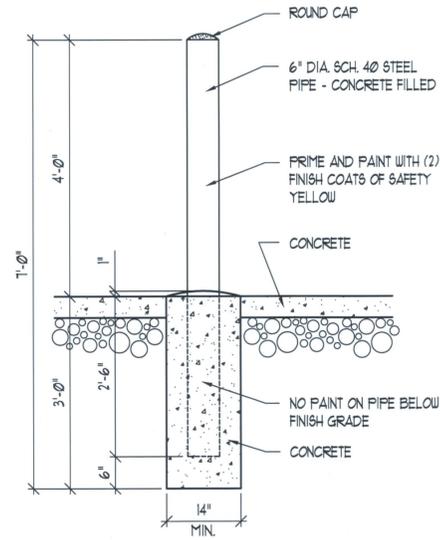
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CURB AND GUTTER

SCALE: 1" = 1'-0"

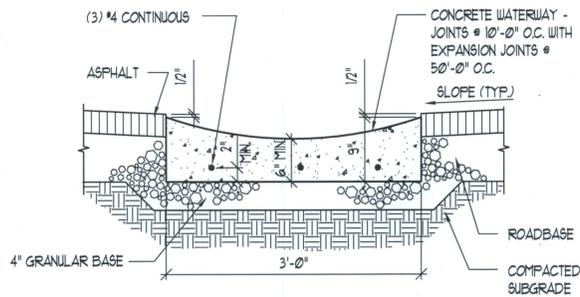
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GUARD POST DETAIL

SCALE: 3/4" = 1'-0"

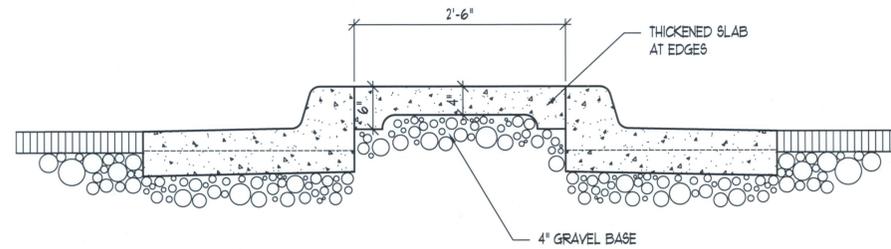
C



CONCRETE WATERWAY

SCALE: 1" = 1'-0"

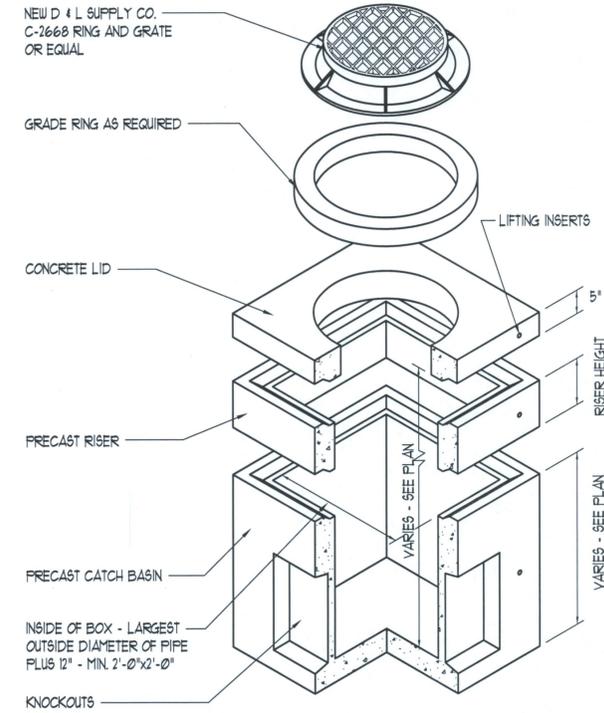
D



CONCRETE SLAB AT ISLAND

SCALE: 1" = 1'-0"

E



STD CATCH BASIN

SCALE: N.T.S.

F

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FIELD CREW:	JSG/JRS
CHECKED BY:	RJD
DATE:	JULY 2009

SHEET TITLE: DETAIL SHEET

C5.01 SHEET: 9 OF 10

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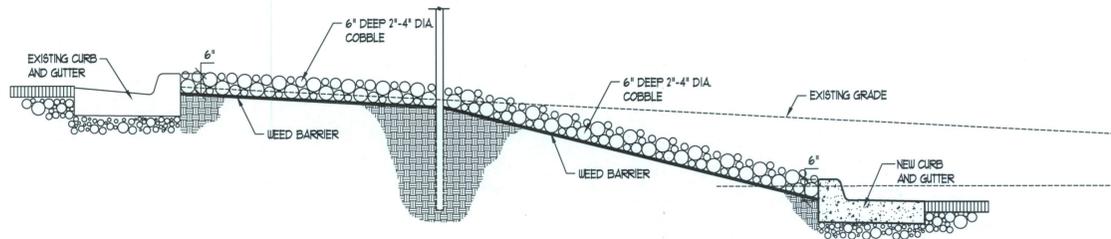
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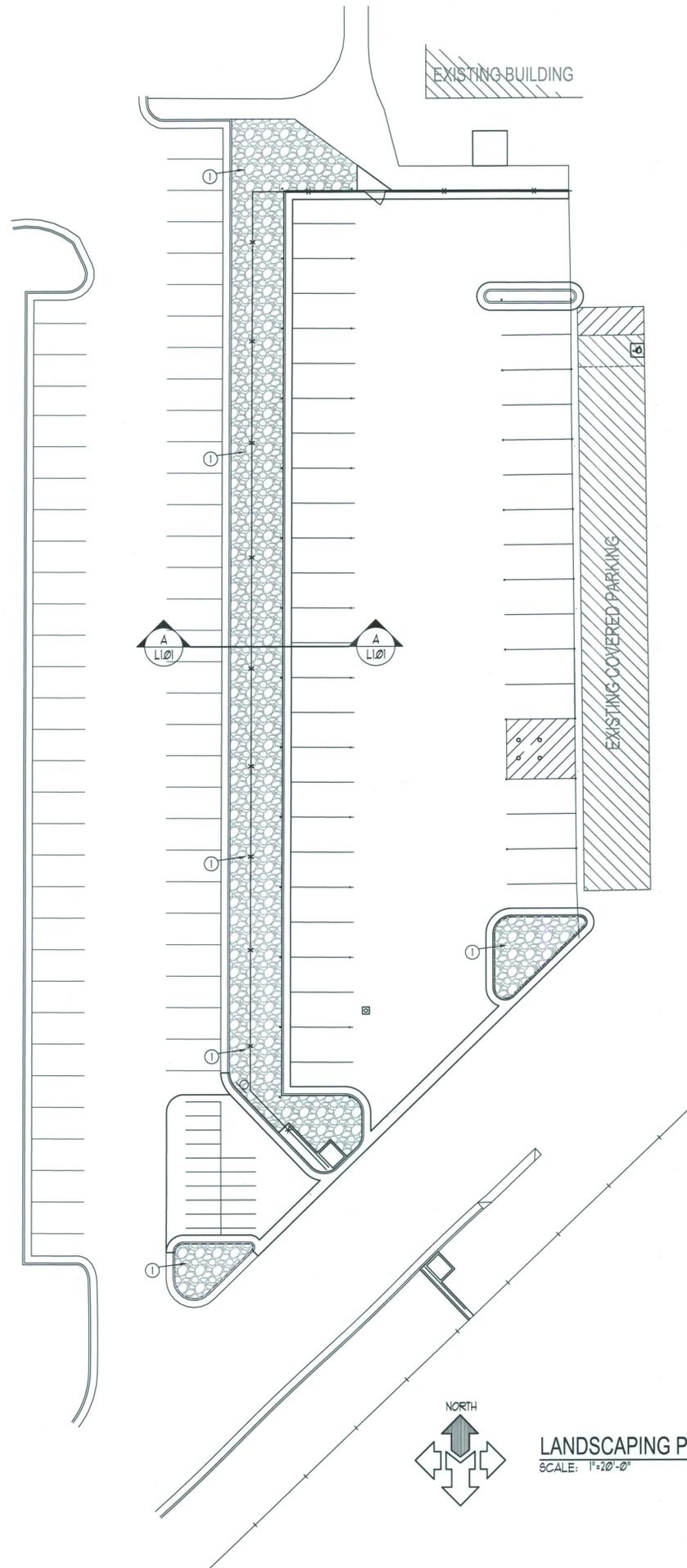
SCOPE OF WORK

- ① GRADE, SMOOTH, & UNIFORM SLOPE AS SHOWN IN DETAIL A/L101. GRADE 6" DOWN BELOW TOP BACK OF CURB AND INSTALL DEWITT-PRO WEED BARRIER (OR APPROVED EQUAL) WITH GREY, 2"-4" DIA. BY NEPHI SANDSTONE (435) 623-2332 (SUBMIT SAMPLES TO OWNER FOR APPROVAL BEFORE INSTALLATION)



CROSS SECTION
SCALE: 1/2" = 1'-0"

A



LANDSCAPING PLAN
SCALE: 1" = 20'-0"



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REVISIONS		
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CAD DWG. FILE:	290025site.dwg
DRAWN BY:	MS
BUILDING #:	
PROPERTY NO:	
DESIGNED BY:	RJD
FIELD CREW:	JSG/JRS
CHECKED BY:	RJD
DATE:	JULY 2009

SHEET TITLE:
LANDSCAPE SHEET

L1.01
SHEET: 10 OF 10

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ELECTRICAL SYMBOLS

NOTE: SYMBOLS SHOWN IN THIS SCHEDULE ARE TYPICAL. NOT ALL ARE USED IN THIS PROJECT.				DOTTED SYMBOLS INDICATE EXISTING FIXTURE, EQUIPMENT, ETC.				
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
ELECTRICAL WIRING								
—	CROSS LINES INDICATE NUMBER OF CONDUCTORS. GROUNDING CONDUCTORS NOT INCLUDED.	N/A	—	SINGLE POLE SWITCH	+48"	TV	TELEVISION OUTLET	AS NOTED
—	BRANCH CIRCUIT CONCEALED IN CEILING OR MALL	N/A	—	3-WAY SWITCH	+48"	V	VOLUME CONTROL	+48"
—	BRANCH CIRCUIT CONCEALED IN GROUND OR FLOOR	N/A	—	4-WAY SWITCH	+48"	S	SPEAKER	CEILING
A-1-3	BRANCH CIRCUIT HOMERUNS TO PANEL. PANEL & CIRCUIT NUMBER DESIGNATIONS.	N/A	—	SWITCH WITH PILOT LIGHT	+48"	M	MICROPHONE JACK	+16"
—	CONDUIT RISER UP	N/A	—	DIMMER SWITCH	+48"	A	AUXILIARY JACK	+16"
—	CONDUIT RISER DOWN	N/A	—	KEYED SWITCH	+48"	IC	INTERCOM STATION	+48"
—	CONDUIT STUB (CAP CONDUIT)	AS NOTED	—	TIMER SWITCH (SPRINGS WOUND)	+48"	B	BELL	+84"
—	CABLE TRAY	AS NOTED	—	MANUAL STARTER WITH THERMAL OVERLOAD	AS NOTED	H	CHIME	+84"
—	BUS DUCT	AS NOTED	—	LOW VOLTAGE SWITCH	+48"	FIRE ALARM		
ELECTRICAL POWER								
⊕	JUNCTION BOX	AS NOTED	⊕	SINGLE POLE SWITCH/OCCUPANCY SENSOR COMBINATION. MANUAL ON/AUTO OFF (WALL MOUNTED) DUAL TECHNOLOGY	+48"	F	FIRE ALARM MANUAL PULL STATION	SEE DETAIL
⊕	DUPLEX RECEPTACLE	+16"	⊕	OCCUPANCY SENSOR DUAL TECHNOLOGY	CEILING	H	FIRE ALARM HORN/STROBE	SEE DETAIL
⊕	QUAD RECEPTACLE	+16"	⊕	TIME SWITCH	+60"	H	FIRE ALARM HORN/STROBE WITH GUARD	SEE DETAIL
⊕	SPLIT WIRED DUPLEX RECEPTACLE	+16"	⊕	LIGHTING CONTACTOR	+60"	H	FIRE ALARM HORN/STROBE WATERPROOF	SEE DETAIL
⊕	DUPLEX RECEPTACLE WEATHERPROOF AND GFCI	+16"	⊕	PHOTOCELL	AS NOTED	⊕	FIRE ALARM STROBE	SEE DETAIL
⊕	DUPLEX RECEPTACLE OUTLET WITH GROUND FAULT CIRCUIT INTERRUPTION PROTECTION	+16"	LIGHTING					
⊕	DUPLEX RECEPTACLE WATER COOLER (EWC) WITH GROUND FAULT CIRCUIT INTERRUPTION PROTECTION	+16"	⊕	FLUORESCENT FIXTURE (TYPICAL)	CEILING	⊕	SMOKE DETECTOR BATTERY-BACKED	CEILING
⊕	EQUIPMENT RECEPTACLE	+16"	⊕	FLUORESCENT EMERGENCY FIXTURE (TYPICAL)	CEILING	⊕	DUCT SMOKE DETECTOR	IN DUCT
⊕	SPECIAL PURPOSE RECEPTACLE	+16"	⊕	SURFACE MOUNTED FIXTURE	CEILING	⊕	SMOKE DETECTOR (ELEVATOR RECALL)	CEILING
⊕	DUPLEX RECEPTACLE FLOOR	FLOOR	⊕	RECESSED FIXTURE	CEILING	⊕	HEAT DETECTOR	CEILING
⊕	QUAD RECEPTACLE FLOOR	FLOOR	⊕	WALL MOUNTED FIXTURE	AS NOTED	⊕	GAS DETECTOR	+16"
⊕	POWER/TELEPHONE POLE	FLOOR	⊕	WALL MOUNTED EMERGENCY EGRESS FIXTURE	AS NOTED	⊕	DOOR HOLDER	AS NOTED
⊕	MULTI-OUTLET WIREWAY	+46"	⊕	FLUORESCENT STRIP	CEILING	⊕	PRESSURE SWITCH	AS NOTED
ELECTRICAL CONNECTIONS								
⊕	NON-FUSED DISCONNECT SWITCH	TOP AT 6'-0"	⊕	EMERGENCY LIGHTING UNIT	+84"	⊕	FIRE ALARM TAMPER SWITCH	AS NOTED
⊕	FUSED DISCONNECT SWITCH	TOP AT 6'-0"	⊕	FIXTURE TYPE SYMBOL (ATTACHED TO FIXTURE SYMBOL)	N/A	⊕	FIRE ALARM FIREFIGHTER PHONE	+48"
⊕	MOTOR STARTER/DISCONNECT SWITCH COMBINATION NON-FUSED	TOP AT 6'-0"	⊕	POST TOP AREA LIGHT POLE & FIXTURE	AS NOTED	⊕	CONTROL MODULE	AS NOTED
⊕	MOTOR STARTER/DISCONNECT SWITCH COMBINATION FUSED	TOP AT 6'-0"	⊕	AREA LIGHT POLE AND FIXTURE (HEAD QTY AS SHOWN ON PLAN)	AS NOTED	⊕	MONITOR MODULE	AS NOTED
⊕	MOTOR STARTER ONLY	TOP AT 6'-0"	⊕	BOLLARD FIXTURE	GROUND	⊕	FIRE/SMOKE DAMPER	AS NOTED
⊕	VARIABLE FREQUENCY DRIVE	+78"	⊕	FLOOD OR SPOT FIXTURE	AS NOTED	⊕	FIRE ALARM RELAY	AS NOTED
⊕	MOTOR CONNECTION	AS NOTED	⊕	WALL MOUNTED EXIT LIGHT (SINGLE FACE)	+84"	⊕	FIRE ALARM GENERATOR ANNUNCIATOR	TOP AT 6'-0"
ELECTRICAL DISTRIBUTION								
⊕	TELEPHONE COMPANY PEDESTAL	AS NOTED	⊕	WALL MOUNTED EXIT LIGHT (DOUBLE FACE)	+84"	⊕	FIRE ALARM TRANSMISSION (MONITORING) DEVICE	AS NOTED
⊕	POWER COMPANY GROUND SLEEVE	AS NOTED	⊕	CEILING MOUNTED EXIT LIGHT (SINGLE FACE)	CEILING	⊕	FIRE ALARM CONTROL PANEL	TOP AT 6'-0"
⊕	POWER COMPANY SITE TRANSFORMER	AS NOTED	⊕	CEILING MOUNTED EXIT LIGHT (DOUBLE FACE)	CEILING	⊕	FIRE ALARM REMOTE ANNUNCIATOR PANEL	TOP AT 6'-0"
⊕	HIGH VOLTAGE (277/480 VOLT) PANELBOARD	TOP AT 6'-0"	SECURITY					
⊕	LOW VOLTAGE (120/208 VOLT) PANELBOARD	TOP AT 6'-0"	⊕	SECURITY SYSTEM DOOR CONTACT	DOOR JAMB	⊕	SECURITY SYSTEM OVERHEAD DOOR CONTACT	AS NOTED
⊕	DRY TYPE TRANSFORMER	AS NOTED	⊕	TELEPHONE OUTLET	+16"	⊕	SECURITY SYSTEM KEYPAD ARM/DISARM	+48"
⊕	DISTRIBUTION SWITCHBOARD	AS NOTED	⊕	COMPUTER DATA OUTLET	+16"	⊕	SECURITY SYSTEM DOOR ELECTRIC STRIKE	AS NOTED
⊕	TELEPHONE AND/OR DATA TERMINAL BOARD	AS NOTED	⊕	VOICE / DATA OUTLET	+16"	⊕	SECURITY SYSTEM MAGNETIC DOOR LOCK	AS NOTED
ELECTRICAL DEVICES								
⊕	PUSHBUTTON	+48"	⊕	TELEPHONE OUTLET FLOOR	FLOOR	⊕	REQUEST TO EXIT MOTION DETECTOR	AS NOTED
⊕	STOP/START STATION	+48"	⊕	COMPUTER DATA OUTLET FLOOR	FLOOR	⊕	SECURITY SYSTEM AREA MOTION SENSOR	AS NOTED
⊕	"EMERGENCY POWER OFF" MUSHROOM TYPE BUTTON	+48"	⊕	NETWORK AND VOICE OUTLET FLOOR	FLOOR	⊕	SECURITY SYSTEM GLASS BREAK SENSOR	AS NOTED
⊕	LINE VOLTAGE THERMOSTAT	+48"	REFERENCE SYMBOLS					
⊕	CLOCK	AS NOTED	⊕	FEEDER TAG (ONE LINE DIAGRAM)	N/A	⊕	SECURITY SYSTEM CARD READER	+48"
⊕	NURSE CALL BED/BATH STATION	+48"	⊕	REVISION TAG INDICATOR	N/A	⊕	SECURITY SYSTEM DOOR ACCESS KEYPAD	+48"
⊕	NURSE CALL LIGHT	+84"	⊕	DETAIL INDICATOR. TOP DETAIL IDENTIFICATION. BOTTOM INDICATES SHEET WHERE DETAIL IS LOCATED.	N/A	⊕	SECURITY SYSTEM CCTV CAMERA	AS NOTED
⊕	NURSE CALL STATION PANEL	TOP AT 6'-0"	⊕	MECHANICAL EQUIPMENT SYMBOL	N/A	⊕	DIGITAL VIDEO RECORDER	AS NOTED
⊕			⊕	KEYED NOTE REFERENCE	N/A	⊕	SECURITY SYSTEM CCTV MONITOR	AS NOTED
ABBREVIATIONS								
AF	ABOVE FINISHED FLOOR	EWC	ELECTRIC WATER COOLER	NO	NEW	CR	SECURITY SYSTEM CARD READER	+48"
AP	ARC FAULT PROTECTOR	EVH	ELECTRIC WATER HEATER	NIC	NOT IN CONTRACT	AK	SECURITY SYSTEM DOOR ACCESS KEYPAD	+48"
AI	AMP INTERRUPTING CURRENT (SYMMETRICAL)	(A)	FUTURE	NL	NIGHT LIGHT	CA	SECURITY SYSTEM CCTV CAMERA	AS NOTED
AL	ALUMINUM	FA	FIRE ALARM	OF	OWNER FURNISHED CONTRACTOR INSTALLED	DVR	DIGITAL VIDEO RECORDER	AS NOTED
BS	BELOW GRADE	FLA	FULL LOAD AMPS	OFI	OWNER FURNISHED OWNER INSTALLED	MON	SECURITY SYSTEM CCTV MONITOR	AS NOTED
C	CONDUIT	GFI	GROUND FAULT INTERRUPTER	PNL	PANEL	SE	SECURITY SYSTEM PANEL	TOP AT 6'-0"
CF	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	GFP	GROUND FAULT PROTECTOR	(R)	RELOCATE	PS	POWER SUPPLY LOW VOLTAGE	AS NOTED
CKT	CIRCUIT	GRC	GALVANIZED RIGID CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR			
CO	CONDUIT ONLY	GRND	GROUND	TYP	TYPICAL			
CU	COPPER	IG	ISOLATED GROUND	UNO	UNLESS NOTED OTHERWISE			
C/W	COMPLETE WITH	MCB	MAIN CIRCUIT BREAKER	VP	WEATHER PROOF			
E	EMERGENCY	MCC	MOTOR CONTROL CENTER	CO	BENLISH/DELETE			
EX	EXISTING	MH	MANHOLE	XMR	TRANSFORMER			
EPO	EMERGENCY POWER OFF	MLD	MAIN LUGS ONLY					

THIS IS A TYPICAL ABBREVIATION LIST. NOT ALL ABBREVIATIONS ARE USED ON THIS PROJECT.

PVE Inc.
Consulting Mechanical Electrical Engineers

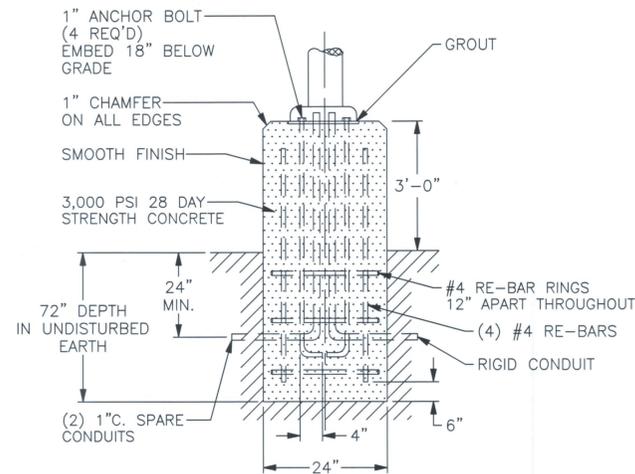
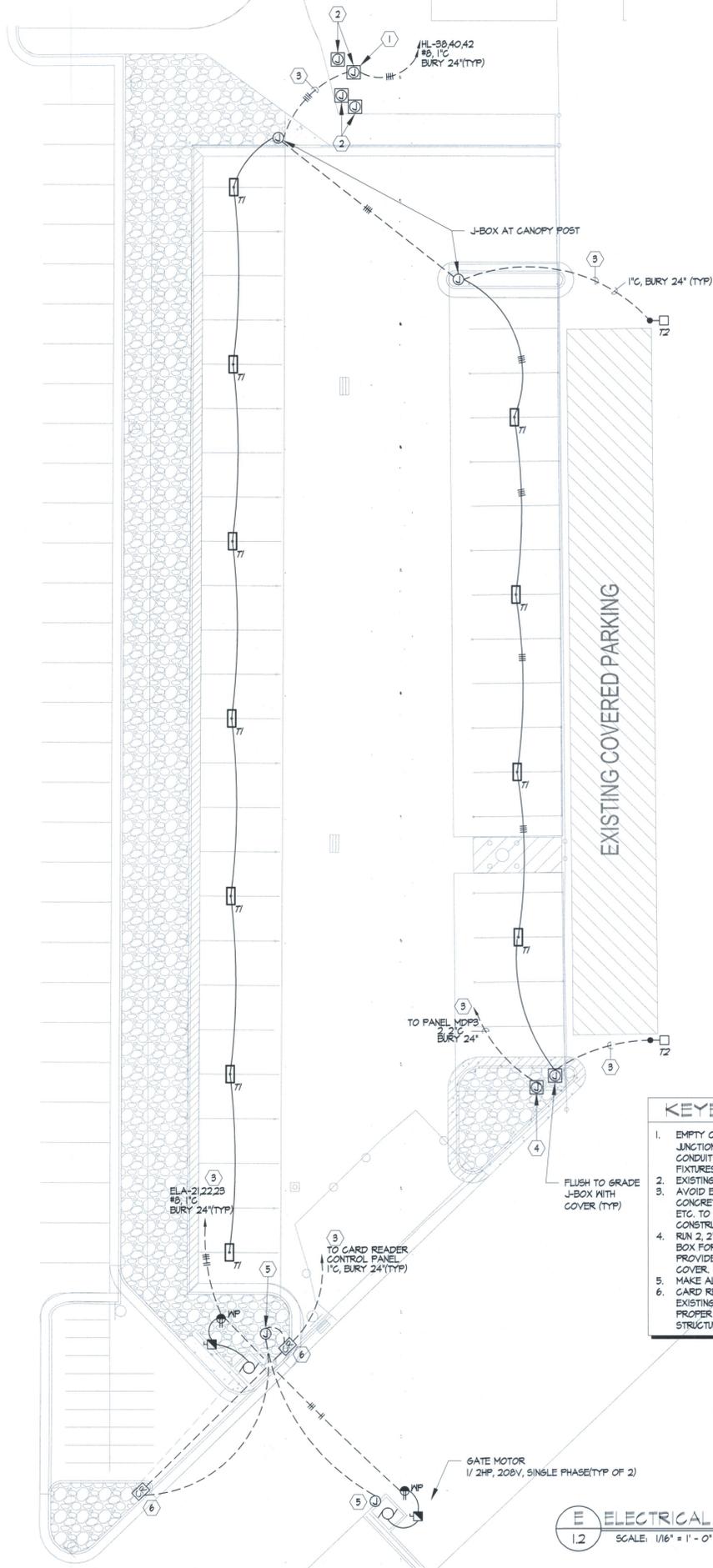
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GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL REVIEW AND COORDINATE WITH ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING AND OTHER DRAWINGS PRIOR TO BID.
- SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS BOUND IN A THREE RING BINDER, INDEXED IN A NEAT AND ORDERLY MANNER WITH TYPE AND MODEL NUMBERS INDICATED. SUBMITTALS SHALL INCLUDE BUT NOT LIMITED TO: LIGHTING FIXTURES, LAMPS, WIRING DEVICES, OCCUPANCY SENSORS, CONTACTORS, TIME CLOCKS, PHOTOCELLS, RELAYS, SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, SAFETY SWITCHES, MOTOR STARTERS, OVERCURRENT PROTECTION DEVICES, TRANSFORMERS, CONDUCTORS OVER 600 VOLTS AND ALL SPECIAL SYSTEMS SUCH AS FIRE ALARM, LIGHTING CONTROLS, SECURITY SYSTEMS, SOUND SYSTEMS ETC.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. MANUFACTURER CATALOG NUMBERS ARE LISTED AS A BASIS OF DESIGN. ELECTRICAL CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION THAT DEVIATES FROM ORIGINAL DESIGN AND SPECIFICATION.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY BUILDING PERMITS AND INSPECTION FEES.
- ALL IMPACT FEES ASSOCIATED WITH CITY, UTILITY OR SERVICE COMPANIES FOR BUT NOT LIMITED TO POWER, TELEPHONE, FIBER OPTIC & INTERNET SHALL BE THE RESPONSIBILITY OF THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL TEMPORARY POWER FOR PROJECT CONSTRUCTION AS REQUIRED. ALL ENERGY COSTS ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO MAKING ANY ROUGH-INS.
- ELECTRICAL CONTRACTOR SHALL REVIEW ALL ARCHITECTS ELEVATIONS, SECTIONS AND FLOOR PLANS PRIOR TO ROUGH IN OF ELECTRICAL DEVICE JUNCTION BOXES.
- CONSULT ARCHITECTS REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES, SPEAKERS, SMOKE DETECTORS ETC.
- ELECTRICAL CONTRACTOR SHALL MEET WITH THE CEILING AND MECHANICAL CONTRACTORS TO COORDINATE LOCATIONS, CLEARANCES, CEILING TYPES AND ROUGH-IN REQUIREMENTS OF ALL LIGHTING FIXTURES PRIOR TO DUCT, PIPING AND CEILING INSTALLATIONS.
- VERIFY EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE ROUGH-IN. CONSULT CONTRACT DOCUMENT DRAWINGS AND SHOP DRAWINGS TO VERIFY AND MAINTAIN REQUIRED CLEARANCES.
- ELECTRICAL ROOM DRAWINGS ARE FOR REFERENCE ONLY OF EQUIPMENT QUANTITIES. ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ELECTRICAL ROOM SHOWING DIMENSIONS AND CLEARANCES OF ALL EQUIPMENT AND ELECTRICAL GEAR PROVIDED. COORDINATE LAYOUT WITH ONE-LINE DRAWINGS.
- CONTRACTOR SHALL VERIFY ACTUAL ELECTRICAL LOADS FROM NAMEPLATE RATINGS OF EACH PIECE OF EQUIPMENT REQUIRING POWER. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE PROJECT ENGINEER.
- WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER, PER INDUSTRY STANDARD AND TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- WORK MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES, STANDARDS AND ORDINANCES.
- FINAL CONNECTIONS TO EQUIPMENT SHALL BE MADE AS PER MANUFACTURERS WRITTEN INSTRUCTIONS AND APPROVED WIRING DIAGRAMS AND DETAILS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A 200LB RATED PULL CORD INSTALLED AND SHALL BE IDENTIFIED AT EACH JUNCTION, PULL AND TERMINATION POINT, USING PERMANENT MARKER IN THE BOX. ID SHALL INDICATE INTENDED USE OF CONDUIT, ORIGIN AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
- ALL PENETRATIONS OF FIRE RATED FLOORS, CEILING AND WALLS SHALL BE SEALED WITH UL LISTED AND RATED FIRE STOP MATERIAL TO MAINTAIN FIRE RATINGS OF ASSEMBLY.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY OR CONCRETE COLUMNS, BOND BEAMS OR GROUTED CELLS OF MASONRY WALLS ADJACENT TO OPENINGS WITHOUT COORDINATION WITH THE MASONRY CONTRACTOR.
- WIRE FOR GENERAL USE SHALL BE COPPER #18 C RATED. WIRING FOR HID FIXTURES WITHIN 9' OF FLUORESCENT BALLAST SHALL BE COPPER, MINIMUM 40' C RATED. CONDUCTOR SIZES INDICATED ARE FOR INSTALLATION IN A MAXIMUM 30' C AMBIENT TEMPERATURE ENVIRONMENT. CONDUCTOR AMPACITY SHALL BE DERATED FOR HIGHER AMBIENT INSTALLATIONS.
- CONDUITS HAVE BEEN SIZED FOR VOLTAGE DROP AS PER PLANS AND DIRECT ROUTING. ANY DEVIATION IN CONDUIT ROUTING MAY INCREASE THE WIRE AND CONDUIT SIZE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INSURE PROPER OPERATING VOLTAGE ON ALL CIRCUITS BOTH INTERIOR AND EXTERIOR. THE VOLTAGE DROP SHALL NOT EXCEED 5% FOR BRANCH CIRCUITS AND 2% FOR FEEDERS FOR A TOTAL OF 5% COMBINED TOGETHER OF BRANCH AND FEEDER CIRCUITS TO THE FARTHEST OUTLET.
- ALL WIRING IN PATIENT TREATMENT AREAS SHALL BE ENCLOSED IN METAL RACEWAYS OR LISTED CABLES WITH A METALLIC ARMOR OR SHEATH. ALL RECEPTACLES SHALL HAVE A SEPARATE INSULATED GROUNDING CONDUCTOR FROM EACH DEVICE TO THE BRANCH PANEL. ELECTRICAL CONTRACTOR SHALL COMPLY WITH ARTICLE 517.13 (A)(1)(B) OF THE 2008 NATIONAL ELECTRICAL CODE (e.g. WIRING, DEVICE PLACEMENT, ETC.).
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL UTILITY METERINGS EQUIPMENT TO COMPLY WITH THE STANDARDS OF THE LOCAL OR PROJECT SPECIFIC POWER COMPANY.
- VERIFY EXACT LOCATIONS OF ALL NEW AND EXISTING UNDERGROUND SITE UTILITIES, PIPING AND RACEWAYS. A UTILITY LOCATING COMPANY SHALL BE USED TO VERIFY AND MARK UTILITIES BEFORE TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL EXCAVATION, SUPPORTS, SERVICE FEEDERS, (CONDUIT AND/OR WIRE), PULL BOXES, TRANSFORMER PADS, SAN CUTTING AND PATCHING, CONCRETE PAVING ETC. REQUIRED. BACKFILL TRENCHES TO 40% COMPACTION. PATCHING SHALL MATCH EXISTING SURROUNDING SURFACES. CONTRACTOR SHALL OBTAIN AND VERIFY UTILITY COMPANY DRAWINGS AND REQUIREMENTS FOR ALL SITE UTILITIES. ELECTRICAL CONTRACTOR SHALL ALSO COORDINATE ELECTRICAL RELATED UTILITIES WITH THE CIVIL, MECHANICAL, AND SITE EXCAVATION CONTRACTORS.
- PULLBOXES, CABINETS, ETC. MOUNTED ON THE EXTERIOR OF THE BUILDING SHALL BE WEATHERPROOF TYPE WITH HINGED GASKETED LOCKABLE COVERS SECURED WITH TAMPERPROOF SCREWS.
- SPRINGS IN EXTERIOR PULLBOXES AND MANHOLES SHALL BE MADE WATERPROOF USING "SCOTCAST" SPLICE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS ENTERING BOXES WITH "DUGTISEAL" OR EQUAL.
- ELECTRICAL CONTRACTOR SHALL TEST AND VERIFY ALL SYSTEMS WITH PROJECT ENGINEER DURING FINAL INSPECTION TO INSURE PROPER OPERATION. IF TESTS RESULT IN DEFECT THE CONTRACTOR SHALL MAKE ANY CORRECTIONS NECESSARY AT NO ADDITIONAL COSTS TO THE OWNER.
- PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION. DEFECTS SHALL BE PROMPTLY CORRECTED.

ELECTRICAL SPECIFICATIONS

- SECTION 16000 - GENERAL PROVISIONS**
- WORK CONSISTS OF FURNISHING LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF ELECTRICAL WORK SHOWN IN THE CONTRACT DOCUMENTS AND SPECIFIED IN DIVISION 16.
- INCLUDE ALL PARTS AND LABOR, WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY LISTED IN THE CONTRACT DOCUMENTS. SUCH ITEMS INCLUDE NUTS, BOLTS, ANCHORS, BRACKETS, SLEEVES, OFFSETS IN CONDUIT, FITTINGS, RELAYS, ETC.
- REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS FOR INSPECTIONS FOR REGULATING AGENCIES OF INSTALLATIONS OF PLANS AND SPECIFICATIONS.
- INCLUDE STATE AND LOCAL SALES TAXES IN THE BID. KEEP ACCURATE RECORDS OF THE SALES TAXES AND FURNISH SUCH RECORDS TO THE OWNER UPON REQUEST.
- MEET OR EXCEED ALL CURRENT APPLICABLE CODES, ORDINANCES AND REGULATIONS FOR ALL INSTALLATIONS. PROMPTLY NOTIFY THE ENGINEER IN WRITING IF THE CONTRACT DOCUMENTS APPEAR TO CONFLICT WITH GOVERNING CODES AND REGULATIONS. CONTRACTOR ASSUMES ALL RESPONSIBILITY AND COSTS FOR CORRECTING NON-COMPLYING WORK. INSTALLED WITHOUT NOTIFYING THE ENGINEER.
- HIGHER QUALITY OF WORKMANSHIP AND MATERIALS INDICATED IN THE CONTRACT DOCUMENTS TAKES PRECEDENCE OVER THAT ALLOWED IN REFERENCED CODES AND STANDARDS.
- THE TERMS DEFINED BELOW APPLY TO ALL WORK INCLUDED IN DIVISION 16.
- a. THE WORK - AS DEFINED IN THE 1997 AIA DOCUMENT A201, THE TERM "WORK" MEANS THE CONSTRUCTION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS WHETHER COMPLETED OR PARTIALLY COMPLETED AND INCLUDES ALL OTHER LABOR, MATERIALS AND EQUIPMENT AND SERVICES PROVIDED OR TO BE PROVIDED BY THE CONTRACTOR TO FULFILL THE CONTRACTORS OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR A PART OF THE PROJECT.
- b. FURNISH - TO OBTAIN IN NEW CONDITION READY FOR INSTALLATION INTO THE WORK.
- c. INSTALL - TO STORE SET IN PLACE, CONNECT AND PLACE INTO OPERATION INTO THE WORK.
- d. PROVIDE - TO FURNISH AND INSTALL.
- e. CONNECT - TO BRING SERVICE TO THE EQUIPMENT AND MAKE FINAL ADJUSTMENTS INCLUDING NECESSARY SWITCHES, OUTLETS, BOXES, TERMINATIONS, ETC.
- f. CONDUIT - INCLUDES IN ADDITION TO CONDUIT, ALL FITTINGS, PULL BOXES, HANGERS AND OTHER SUPPORTS AND ACCESSORIES RELATED TO SUCH CONDUIT.
- g. CONCEALED - HIDDEN FROM SIGHT IN CHASES, FURRED SPACES, SHAFTS, HUNG CEILINGS, EMBEDDED IN CONSTRUCTION IN CRACKS, SPACES OR BURIED.
- h. EXPOSED - NOT INSTALLED UNDERGROUND NOR CONCEALED AS DEFINED ABOVE.
- THE DRAWINGS AND SPECIFICATIONS CONSTITUTE THE CONTRACT DOCUMENTS. ANY ITEM NOTED IN THE SPECIFICATION OR SHOWN ON THE DRAWINGS IS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL ELECTRICAL DETAILS AND DRAWINGS ARE DIAGRAMMATIC, UNLESS SPECIFICALLY NOTED. FIELD VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES, IN WRITING, PRIOR TO INSTALLATION.
- INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY PRECAUTIONS REQUIRED WITHIN AND IN ACCORDANCE WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND OTHER GOVERNING AGENCIES.
- DO NOT REMOVE OR DISTURB ANY ASBESTOS CONTAINING MATERIALS FROM THE PROJECT AREA UNTIL THE SYSTEMS ARE DELETED. IF ASBESTOS CONTAINING MATERIALS ARE SUSPECTED, BEFORE SUBMITTING A PROPOSAL ON THE WORK, CONSULT WITH THE ARCHITECT, EXAMINE THE SITE OF THE PROPOSED WORK AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED NOR BECAUSE OF LACK OF KNOWLEDGE OF EXISTING CONDITIONS WHICH COULD HAVE BEEN DISCOVERED OR REASONABLY ANTICIPATED PRIOR TO BIDDING.
- CONDUITS, PIPES, DUCTS, LIGHTS, DEVICES, SPEAKERS, ETC. SHOWN ON THE DRAWINGS AS EXISTING HAVE BEEN BASED ON THE EXISTING PLANS AND MAY NOT BE INSTALLED AS ORIGINALLY SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE SITE AND MAKE EXACT LOCATION OF THE EXISTENCE LOCATION AND CONDITION OF SUCH FACILITIES PRIOR TO SUBMITTING A BID.
- CONSULT THE DRAWINGS AND SPECIFICATIONS OF MECHANICAL AND OTHER TRADES FOR CORRELATING INFORMATION AND LAY OUT WORK SO THAT IT WILL COORDINATE WITH OTHER TRADES. VERIFY DIMENSIONS AND CONDITIONS (I.E. FINISHED CEILING HEIGHTS, FOOTING AND FOUNDATION ELEVATIONS, BEAM DEPTHS, ETC.) WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS THAT CANNOT BE RESOLVED, IN THE FIELD BY APPLICABLE TRADES. PROVIDE NEW SUPPORTS FROM LACK OF COORDINATION AND FAILURE TO VERIFY EXISTING CONDITIONS WILL BE COMPLETED AT NO COST TO THE OWNER.
- INSTALL ALL CONDUIT, CABLE TRAY, BUBDUST, EQUIPMENT, ETC. ALLOWING PROPER GROUND AND MAINTENANCE CLEARANCES AND TO AVOID BLOCKING PASSENGERS AND ACCESS PANELS.
- WHERE WORK MUST BE REPLACED DUE TO FAILURE OF THE CONTRACTOR TO VERIFY THE CONDITIONS EXISTING ON THE JOB, SUCH REPLACEMENT MUST BE ACCOMPLISHED AT NO COST TO THE OWNER. THIS APPLIES TO SHOP FABRICATED WORK AS WELL AS TO WORK FABRICATED IN PLACE.
- THROUGHOUT THE COURSE OF THE WORK, MINOR CHANGES AND ADJUSTMENTS TO THE INSTALLATION MAY BE REQUESTED BY THE ENGINEER. THE CONTRACTOR SHALL MAKE ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE OWNER, WHERE SUCH ADJUSTMENTS ARE NECESSARY TO THE PROPER INSTALLATION AND OPERATION WITHIN THE INTENT OF THE CONTRACT DOCUMENTS. THIS DOES NOT INCLUDE WORK ALREADY COMPLETED.
- OBTAIN EXACT LOCATION OF CONNECTION TO EQUIPMENT, FURNISHED BY OTHERS, FROM THE PERSON FURNISHING THE EQUIPMENT. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN EITHER ONE IS AS BINDING AS IF CALLED FOR IN BOTH.
- INCLUDE THE BETTER QUALITY, GREATER QUANTITY OR HIGHER COST FOR AN ITEM OR ARRANGEMENT WHERE A DISAGREEMENT EXISTS IN THE DRAWINGS AND SPECIFICATIONS.
- GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS FOR THE PERIOD OF THE CONTRACT AND THE PERIOD FOR THE PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK AS EVIDENCED BY ISSUANCE OF THE FINAL CERTIFICATE BY THE OWNER.
- DEFECTS OF ANY KIND DUE TO FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER. INCLUDE DAMAGE TO THE FINISH OR THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS.
- REPLACE ALL RECEPTACLES, SWITCHES, COVER PLATES, ETC. DAMAGED BY ANY CONTRACTOR DURING THE COURSE OF CONSTRUCTION.
- MATERIALS FURNISHED FOR THE TEMPORARY LIGHT AND POWER SYSTEM REMAIN CONTRACTORS PROPERTY. REMOVE WHEN THERE IS NO LONGER ANY NEED FOR TEMPORARY LIGHT AND POWER.
- COORDINATE/SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE ANY DISRUPTIONS. CONFINE ALL INTERRUPTIONS TO THE SMALLEST POSSIBLE AREA. PROVIDE TEMPORARY CONNECTIONS IF REQUIRED TO PROVIDE CONTINUITY OF SERVICE.
- INSPECT ALL AREAS AFFECTED BY THE INTERRUPTIONS AND RETURN ALL AUTOMATICALLY CONTROLLED EQUIPMENT, ELECTRICALLY OPERATED EQUIPMENT TO THE SAME OPERATING CONDITION PRIOR TO THE INTERRUPTION.
- DO NOT DISTURB NORMAL USE OF THE FACILITY, EXCEPT WITHIN THE IMMEDIATE CONSTRUCTION AREA. KEEP WALKS, DRIVEWAYS, ENTRANCES, ETC. FREE AND CLEAR OF EQUIPMENT, MATERIAL AND DEBRIS.
- STORE ALL EQUIPMENT AND MATERIAL IN A PLACE AND MANNER THAT MINIMIZES CONGESTION AND IS APPROVED BY THE OWNER.
- PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.
- PROVIDE THE HIGHEST QUALITY WORKMANSHIP AND PERFORM ALL WORK ONLY BY SKILLED MECHANICS. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, INSTRUCTIONS AND CURRENT NECA STANDARDS.
- THE OWNER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE SPECIFICATIONS, BEFORE OR AFTER INSTALLATION.
- PERFORM ALL CUTTING AND PATCHING NECESSARY TO WORK. OBTAIN SPECIFIC PERMISSION FROM THE LANDLORD BEFORE CUTTING STRUCTURAL MEMBERS OR FINISHED MATERIAL. PERFORM ALL PATCHING IN SUCH A MANNER AS TO LEAVE NO VISIBLE TRACE AND RETURN THE AREA AFFECTED TO THE CONDITION OF UNDISTURBED WORK. PERFORM ALL PATCHING BY WORKERS EXPERIENCED, SKILLED, AND LICENSED FOR THE PARTICULAR TYPE OF WORK INVOLVED. INTERIOR WORK WILL NOT BE ACCEPTED.
- PATCH ALL HOLES LEFT AS A RESULT OF DEMOLITION OF ELECTRICAL EQUIPMENT AND DEVICES.
- PREVENT THE SPREAD OF DUST, DEBRIS, AND OTHER MATERIAL INTO ADJACENT AREAS.
- REFINISH ALL ELECTRICAL EQUIPMENT DAMAGED DURING SHIPPING AND/OR INSTALLATION TO ITS ORIGINAL CONDITION. REMOVE ALL REST, PRIME, AND PAINT PER MANUFACTURERS RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.
- AFTER TESTS HAVE BEEN MADE AND ACCEPTED, CLEAN LIGHT FIXTURES, PANELS AND OTHER EQUIPMENT INSTALLED BY THE CONTRACTOR, LEAVING THE ENTIRE WORK AREA IN A CLEAN AND COMPLETE WORKING ORDER.
- OPERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL INSPECTION AND OWNER ACCEPTANCE. NOTIFY THE ENGINEER IN WRITING THAT ALL SYSTEMS HAVE BEEN TESTED AND ARE FUNCTIONING AND OPERATING PROPERLY.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL EQUIPMENT OR MATERIALS UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER.
- PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS, INCLUDING TELEPHONE AND DATA SYSTEMS, IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
- EXISTING ELECTRICAL SERVICE. MAINTAIN EXISTING SYSTEM IN SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY AND OBTAIN PERMISSION FROM OWNER/ENGINEER AT LEAST 24 HOURS BEFORE PARTIALLY OR DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.
- EXISTING TELEPHONE, DATA, CCTV & SECURITY SYSTEM MAINTAIN EXISTING SYSTEMS IN SERVICE.
- DEMOLISH AND EXTEND EXISTING ELECTRICAL WORK UNDER AND THIS SECTION AND AS INDICATED ON THE DRAWINGS. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
- PROVIDE SUPPORTS FOR ALL EXISTING ELECTRICAL EQUIPMENT THAT WAS SUPPORTED PREVIOUSLY BY DEMOLISHED WALLS, FLOORS, CEILING OR OTHER STRUCTURES. PROVIDE NEW SUPPORTS FROM STRUCTURAL MEMBERS NOT OBTAIN FOR DEMOLITION PRIOR TO ANY DEMOLITION.
- OWNER RESERVES THE RIGHT OF FIRST REFUSAL TO OBTAIN MATERIAL TO BE REMOVED UNDER THIS CONTRACT. ITEMS NOT RETAINED BY THE OWNER BECOME THE PROPERTY OF THE CONTRACTOR AND MUST BE REMOVED FROM THE PREMISES.
- EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, OR AS SPECIFIED. RELOCATE AND REROUTE CONDUIT AND WIRING AS REQUIRED FOR CONDUIT CONCEALED IN WALLS OR STRUCTURE BEING ALTERED AS PART OF THE REPAIRS. MAINTAIN CONTINUITY TO ALL DEVICES IN AND DOWNSTREAM OF REMODELED WORK.
- REROUTE EXISTING RACEWAY AND WIRING WHICH IS EXPOSED DUE TO REMOVAL OF EXISTING CONSTRUCTION. CONCEAL NEW RACEWAY AND WIRING AND MAINTAIN OPERATION.
- SECTION 16050 - BASIC MATERIALS AND METHODS**
- ENCASE ALL CONDUCTORS IN A CONTINUOUS RACEWAY SYSTEM. PROVIDE PULL AND JUNCTION BOXES AS REQUIRED BY THE NEC. SIZE ALL RACEWAY PER THE NEC WITH OVERSIZED CONDUITS AS INDICATED.
- PROVIDE JUNCTION BOXES OR GUTTER AT BRANCH PANEL AND ROUTE EMT CONDUIT INTO PANELBOARD.
- RUN ALL EXPOSED CONDUIT IN A NEAT, WORKMANLIKE MANNER. PARALLEL TO THE BUILDING LINES, TIGHT TO THE WALL AND CEILING SURFACES, AND FIRMLY SUPPORT WITH CONDUIT CLAMPS OR HANGERS. PROVIDE THE (2) HOLE MOUNTING STRAPS, MINIMUM THREE (3) FEET ON CENTER FOR ALL SURFACE CONDUIT MOUNTED ON WALLS LESS THAN SIX (6) FEET ABOVE FINISHED FLOOR. PLACE CONDUITS AT LEAST 6" AWAY FROM ALL HOT PIPING AND SURFACES INCLUDING DOMESTIC HOT WATER LINES.
- PROVIDE GALVANIZED GAGE STEEL JUNCTION AND PULL BOXES WITH SCREEN ON COVERS OF THE SHAPE AND SIZE REQUIRED TO SUIT EACH INSTALLATION. PROVIDE GASKETS IN DAMP AND DUSTY LOCATIONS. PROVIDE CAST BOXES IN WEATHERPROOF, VAPOR TIGHT AND EXPLOSION PROOF ENVIRONMENTS.
- PROVIDE 4" BOXES THROUGHOUT. PROVIDE 3" DEEP BOXES WHERE INSTALLED IN MASONRY. 2" MINIMUM ELEVATION. VAPOR TIGHT GAINS MID OR THE RING FOR SINGLE DEVICES.
- COORDINATE THE LOCATION OF ALL OUTLETS WITH MECHANICAL DRAWINGS BEFORE INSTALLATION.
- PROVIDE WIRE AND CABLE WITH INSULATION VOLTAGE RATING EQUAL TO OR GREATER THAN THE APPLIED SYSTEM VOLTAGE. PROVIDE SOLID OR STRANDED COPPER CONDUCTORS WITH TYPE THIN, THIN OR XHHN INSULATION FOR NO. 12 AWG AND NO. 10 AWG CONDUCTORS. PROVIDE HERRINGBONE CABLE CONDUCTOR SIZE WHEN NOTED OTHERWISE. USE THE MINIMUM CONDUCTOR SIZE WHEN NO SIZE IS INDICATED. ALL CONDUCTORS TO BE COLOR-CODED.
- SECTION 16090 - BUILDING LIGHTING**
- PROVIDE LIGHTING FIXTURES AS SCHEDULED C/W HOUSINGS, LAMPS, LAMP HOLDERS, REFLECTORS, BALLASTS & WIRING.
- FLUORESCENT LAMP BALLAST FOR 18 & 15 LAMPS SHALL BE ELECTRONIC CBM CERTIFIED W/ THD L869 THAN 20% RAPID START.
- SUPPORT ALL RECESSED LIGHTING FIXTURES W/ 4 * 1026A WIRES INDEPENDENT FROM CEILING SUPPORT SYSTEM.
- SECTION 16091 - BUILDING LIGHTING**
- PROVIDE LIGHTING FIXTURES AS SCHEDULED C/W HOUSINGS, LAMPS, LAMP HOLDERS, REFLECTORS, BALLASTS & WIRING.
- FLUORESCENT LAMP BALLAST FOR 18 & 15 LAMPS SHALL BE ELECTRONIC CBM CERTIFIED W/ THD L869 THAN 20% RAPID



- NOTES:
1. ANCHOR BOLTS SUPPLIED WITH POLE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 2. BOND GROUND CONDUCTOR TO POLE.
 3. PLUG CONDUIT TO PREVENT WATER INFILTRATION.

DETAIL E
1.2 POLE BASE
NTS

LIGHT FIXTURE SCHEDULE									
FIXTURE NUMBER	FIXTURE MANUFACTURER	FIXTURE CATALOG #	DESCRIPTION	LAMPS		FIXTURE MOUNTING		REMARKS	
				TYPE	QTY.	VOLTS			
T1	LUMARK	MHCL250PS-2TT-SCBA	SURFACE UNDER-CANOPY DAMP LOCATION	250W PSMH	1	277	SURFACE	#N/A	
T2	LUMARK	MPTR-3F-400-LL-BZ-480V/565M-32.5-5F-MI-BZ	POLE FIXTURE- WITH SQUARE POLE-AND CONCRETE BASE SEE DETAIL	400W PSMH	1	480	POLE	#N/A	

NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE A 'QUICK DISCONNECT HARNESS' FOR EACH FLUORESCENT LIGHTING FIXTURE TO SERVE AS A MEANS OF DISCONNECT TO ALLOW THE FIXTURE BALLAST TO BE SERVICED IN PLACE, AS PER THE NATIONAL ELECTRICAL CODE 2008, ARTICLE 410.130 (6).

- KEYED NOTES (Ⓢ):**
1. EMPTY CONDUIT (APPROX 1") IS STUBBED TO THIS JUNCTION BOX FLUSH TO GRADE BOX. EXTEND CONDUIT AS SHOWN AND PULL NEW WIRING FROM FIXTURES TO BREAKERS AND CONTACTORS.
 2. EXISTING FLUSH-TO-GRADE JUNCTION BOX.
 3. AVOID EXISTING UTILITIES ETC. REPAIR ALL CONCRETE, ASPHALT, SPRINKLING SYSTEM, LAWN, ETC. TO MATCH EXISTING AFTER NEW CONSTRUCTION IS COMPLETE.
 4. RUN 2 2" FROM PANEL 'MDPS' TO THIS NEW FLUSH BOX FOR FUTURE ELECTRIC CAR PLUG-IN PANELS. PROVIDE FLUSH-TO-GRADE JUNCTION BOX WITH COVER.
 5. MAKE ALL CONNECTIONS FOR GATE CONTROL.
 6. CARD READERS SHALL BE COMPATIBLE WITH EXISTING SYSTEM. MOUNT CARD READERS AT PROPER HEIGHTS PER UDOT. PROVIDE MOUNTING STRUCTURE, ARM, AND CONCRETE BASE.



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CALVIN RAMPTON COMPLEX
 STATE OF UTAH - DFCM
 4500 SOUTH 2700 WEST
 WEST VALLEY CITY, UTAH
 LOCATED IN THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 SOUTH, RANGE 1 WEST

REVISIONS

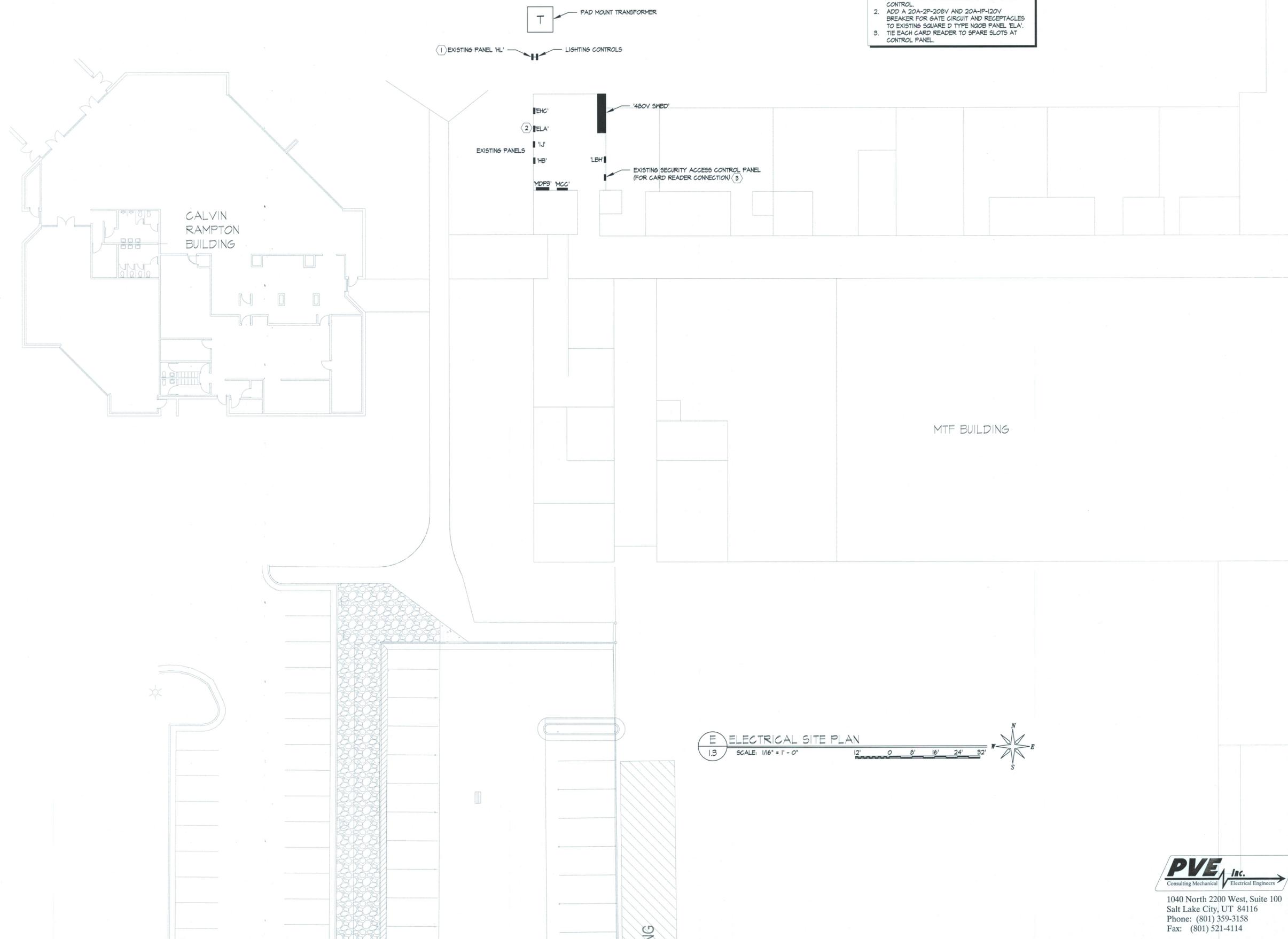
REV.	DATE	DESCRIPTION

PROJECT NO:
 CAD DWG FILE: E-1.2-09992.01.dwg
 DRAWN BY:
 BUILDING #:
 PROPERTY NO:
 DESIGNED BY:
 FIELD CREW:
 CHECKED BY:
 DATE: **JUNE 22, 2009**

SHEET TITLE:
ELECTRICAL SITE PLAN
E1.2
 SHEET: 1 OF

PVE Inc.
 Consulting Mechanical Electrical Engineers
 1040 North 2200 West, Suite 100
 Salt Lake City, UT 84116
 Phone: (801) 359-3158
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- KEYED NOTES (E):**
1. ADD A 20A-2P-480V BREAKER TO EXISTING PANEL 'HL' FOR NEW POLE LIGHT CIRCUIT. USE SPARE 20A-1P-2TTV BREAKER FOR NEW CANOPY LIGHTS. TIE INTO EXISTING CONTROL CONTACTORS AND CONTROLS FOR NEW CIRCUIT CONTROL.
 2. ADD A 20A-2P-208V AND 20A-1P-120V BREAKER FOR GATE CIRCUIT AND RECEPTACLES TO EXISTING SQUARE D TYPE NOOB PANEL 'ELA'.
 3. TIE EACH CARD READER TO SPARE SLOTS AT CONTROL PANEL.

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REVISIONS

REV.	DATE	DESCRIPTION

PROJECT NO:
 CAD DWG. FILE: E-12-09092.01.dwg
 DRAWN BY:
 BUILDING #:
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EXISTING PANEL LOCATIONS
E13
 SHEET: 1 OF

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