SOUTHERN UTAH UNIVERSITY

GIBSON SCIENCE CENTER ADDITION
DEMOLITION PACKAGE #1

MHTN ARCHITECTS

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ABBREVIATIONS

AC	Air Conditioning	EIFS	Exterior Insulation, & Finish System	OC	On Center
AFF	Above Finish Floor			OPP	Opposite
ALT	Alternate	FT	Feet	OD	Outside Diameter
APPROX	Approximate	FLR	Floor	OA	Overall
ARCH	Architect	FIN FLR	Finish Floor	OH DR	Overhead Door
BD	Board	FE	Fire Extinguisher	PR	Pair
BRG	Bearing	FIN	Finish	PERP	Perpendicular
BLKG	Blocking	FD	Floor Drain	PLAM	Plastic Laminate
BLDG	Building	FR	Frame	PL GL	Plate Glass
BOT	Bottom	FTG	Footing	PLBG	Plumbing
CLG	Ceiling	FDTN	Foundation	PREFAB	Prefabricate
CL	CenterLine	GA	Gage	PL	Property Line
CO	Cleanout	GALV	Galvanize	REFR	Refrigeration
CONC	Concrete	GI	Galvanized Iron	REINF	Reinforce
CONF	Conference	GLU-LAM	Glue Laminated	REQD	Required
CONSTR	Construction	GYP BD	Gypsum Board	RD	Roof Drain
CONT	Continue	HDW	Hardware	SCHED	Schedule
CONTR	Contractor	HC	Handicap	SIM	Similar
CJ	Control Joint	HVAC	Heating Ventilation & Air Conditioning	SPEC	Specification
COORD	Coordinate			SQ	Square
CORR	Corridor	HORIZ	Horizontal	STD	Standard
CSK	Countersunk	HM	Hollow Metal	STRUCT	Structural
COMM	Communication	ID	Inside Diameter	SUSP CLG	Suspended Ceiling
CIP	Cast in Place	INT	Interior	THK	Thick
CMU	Concrete Masonry Unit	ISO	Isometric	T&G	Tongue and Groove
		JAN	Janitor	TO	Top Of
DEM0	Demolition	KOP	Knockout Panel	TOB	Top of Beam
DIAG	Diagonal	KD	Knock Down	TOS	Top of Slab
DIA	Diameter	LAB	Laboratory	TOW	Top of PARTITION
DIM	Dimension	LAV	Lavatory	XFMR	Transformer
DN	Down	MAINT	Maintenance	TYP	Typical
DS	Downspout	MH	Manhole	UNO	Unless Noted
DWG	Drawing	MFR	Manufacturer		Otherwise
ELEC	Electric	MO	Masonry Opening	VTR	Vent Through Roof
EL	Elevation	MAX	Maximum	VERT	Vertical
ELEV	Elevator	MECH	Mechanical	VEST	Vestibule
EQ	Equal	MEZZ	Mezzanine	VCT	Vinyl Composition Tile
EQUIP	Equipment	MIN	Minimum	WC	Water Closet
EXIST	Existing	MISC	Miscellaneous	WH	Water Heater
EXP	Expansion	NOM	Nominal	WWF	Welded Wire Fabric
EJ	Expansion Joint	NIC	Not In Contract	W/	With
EXT	Exterior	NO	Number		
EWC	Electric Water Cooler	NTS	Not to Scale		

GENERAL SYMBOLS

SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS

- AE302 — SHEET NUMBER; Sheet Number Sequence; Sheet Type; Discipline
- 1 / A — GRID REFERENCE MARK; A1 Starts at lower left corner; Number Horizontal; Letters Vertical
- B2 / AE303 — BUILDING SECTION; SHEET WHERE DRAWN
- T.O. DECK EL. 108'-0" — SPOT ELEVATION
- B3 / AE301 — WALL SECTION; SHEET WHERE DRAWN
- LEVEL 1 EL. 100'-0" — VERTICAL ELEVATION
- D2 / AE501 — DETAIL; SHEET WHERE DRAWN
- N — NORTH ARROW
- B2 / AE303 — EXTERIOR ELEVATION; SHEET WHERE DRAWN
- A1 / AE410 — INTERIOR ELEVATION; SHEET WHERE DRAWN
- 1 — DRAWING REVISION; Revision Number
- 101A — DOOR NUMBER
- OFFICE 101 — ROOM NAME; ROOM NUMBER
- 10 — WINDOW NUMBER
- 1 — KEYED NOTES
- 8 — PARTITION TYPE

MATERIALS

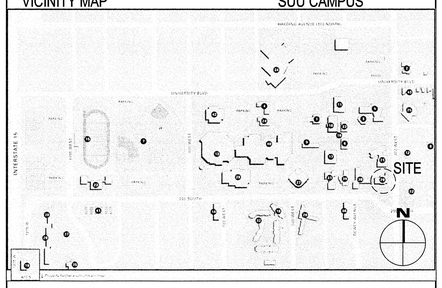
EARTH, BRICK, GYPSUM BOARD, GRAVEL, STONE, EIFS, CONCRETE, PRE-CAST CONCRETE, BATT INSULATION, CMU, WOOD & BLOCKING, RIGID INSULATION

PROJECT DATA

Applicable Codes:	Year
Uniform Building Code:	2006
American Disability Act:	1997
International Mechanical Code:	2006
International Plumbing Code:	2006
Model Energy Code:	2006
National Electrical Code:	2008

VICINITY MAP

SUU CAMPUS



APPROVALS

INDEX TO DRAWINGS - CONSTRUCTION DOCUMENTS

GENERAL
GI001 COVER SHEET

CIVIL
CE101 EXISTING CONDITIONS MAP
CE102 DEMOLITION PLAN

ELECTRICAL
ES100 ELECTRICAL SITE PLAN
EL100 ELECTRICAL SITE LIGHTING PLAN
EX100 ELECTRICAL ONE-LINE DRAWING & DETAILS

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SOUTHERN UTAH UNIVERSITY
GIBSON SCIENCE CENTER ADDITION

SOUTHERN UTAH UNIVERSITY
CEDAR CITY, UTAH

DFCM PROJECT NO. 07297730

SEAL

State of Utah
KYLE S. TAFT
#5124405-0301
Licensed Architect

MHTN PROJECT NO. 2009536.00

DRAWN BY: CHECKED BY:

ISSUED:

NO.	DATE	DESCRIPTION

REVISION DATE:

NO.	DATE	DESCRIPTION

SHEET NAME

DESIGN DEVELOPMENT
14 JULY 2009

SHEET NUMBER

GI001

By: jeremy, Jul 23, 2009 - 1:06pm
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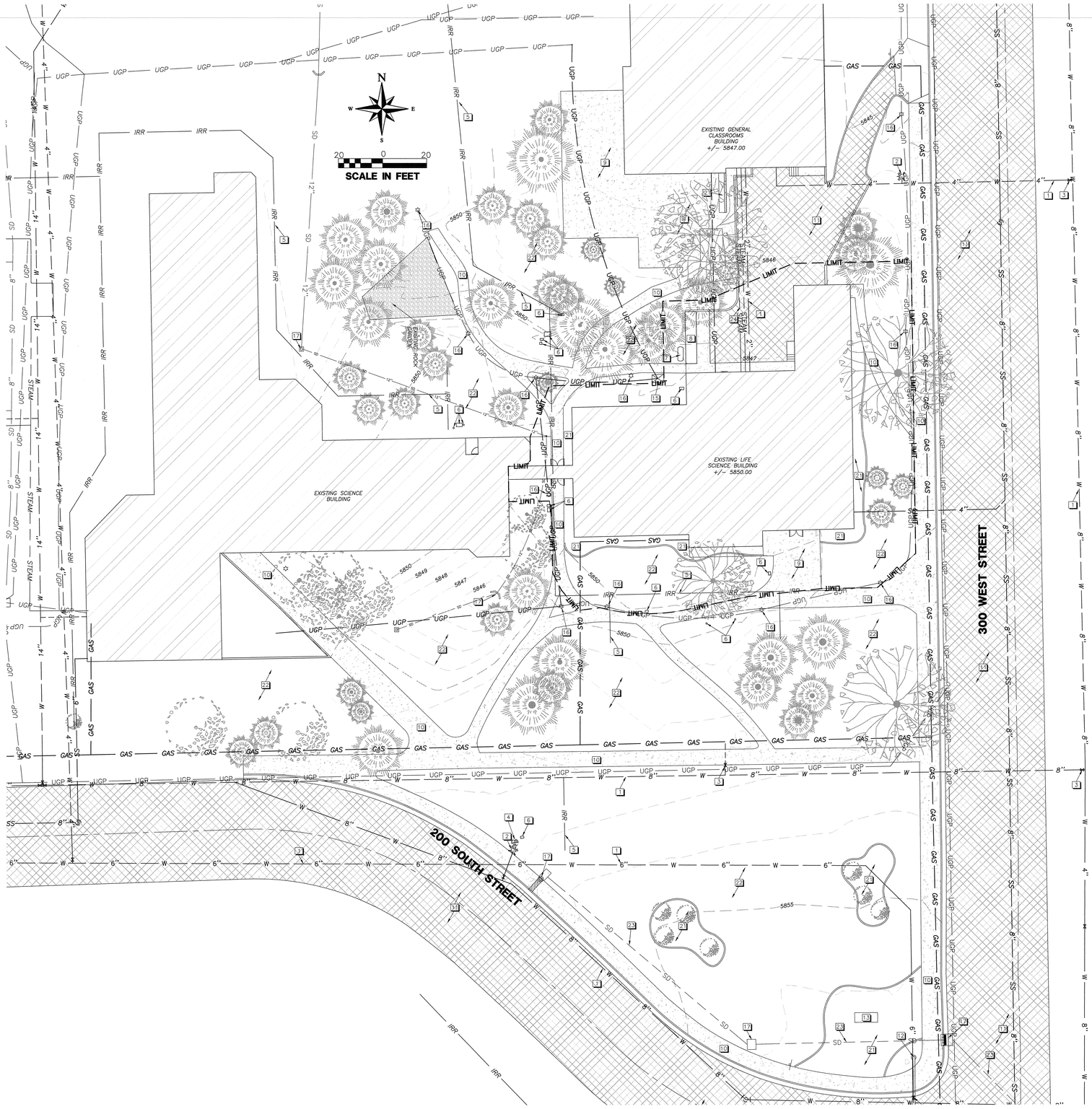

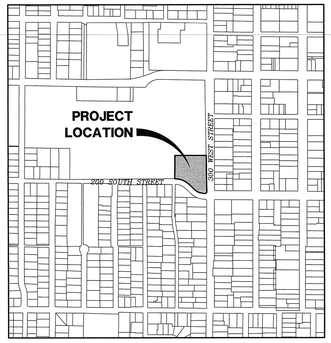

VICINITY MAP

N.T.S.

PROJECT LEGEND

- EXISTING POWER POLE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING SANITARY SEWER
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
- EXISTING UNDERGROUND STEAM LINE
- EXISTING STORM DRAIN LINE
- EXISTING IRRIGATION LINE
- EXISTING ASPHALT
- EXISTING CONCRETE
- EXISTING TREE

EXISTING CONDITION NOTES

1. EXISTING WATER LINE
2. EXISTING FIRE HYDRANT
3. EXISTING WATER VALVE
4. EXISTING WATER VAULT
5. EXISTING IRR. LINE
6. EXISTING IRR. BOX
7. EXISTING PROPANE TANK
8. STORAGE SHED
9. EXISTING CONCRETE SLAB
10. EXISTING SIDEWALK
11. EXISTING ASPHALT
12. EXISTING STOP LIGHT
13. EXISTING MONUMENT SIGN
14. EXISTING ELECTRICAL BOX
15. EXISTING TRANSFORMER
16. EXISTING LIGHT POLE
17. EXISTING STORM DRAIN INLET
18. EXISTING CURB & GUTTER
19. EXISTING BUILDING
20. EXISTING TREE
21. EXISTING PLANTER AREA
22. EXISTING SOD
23. EXISTING 14"X23" CONC. PIPE
24. EXISTING STEAM LINE

SHEET INDEX

SHT.	DESCRIPTION
C101	EXISTING CONDITIONS MAP
C102	SITE DEMO PLAN

ALL EXISTING UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

SOUTHERN UTAH UNIVERSITY
GIBSON SCIENCE CENTER ADDITION

SOUTHERN UTAH UNIVERSITY
CEDAR CITY, UTAH

DFCM PROJECT NO. 07297730

SEAL

LICENSED PROFESSIONAL ENGINEER No. 188156 RONALD J. LARSEN STATE OF UTAH
6-14-9

MHTN PROJECT NO. 2009536.00

DRAWN BY: CHECKED BY:

ISSUED:

NO.	DATE	DESCRIPTION

REVISION DATE:

NO.	DATE	DESCRIPTION

SHEET NAME

EXISTING CONDITIONS MAP

DEMOLITION PACKAGE
23 JUNE 2009

SHEET NUMBER

CE101

By: Tim, Jun 23, 2009
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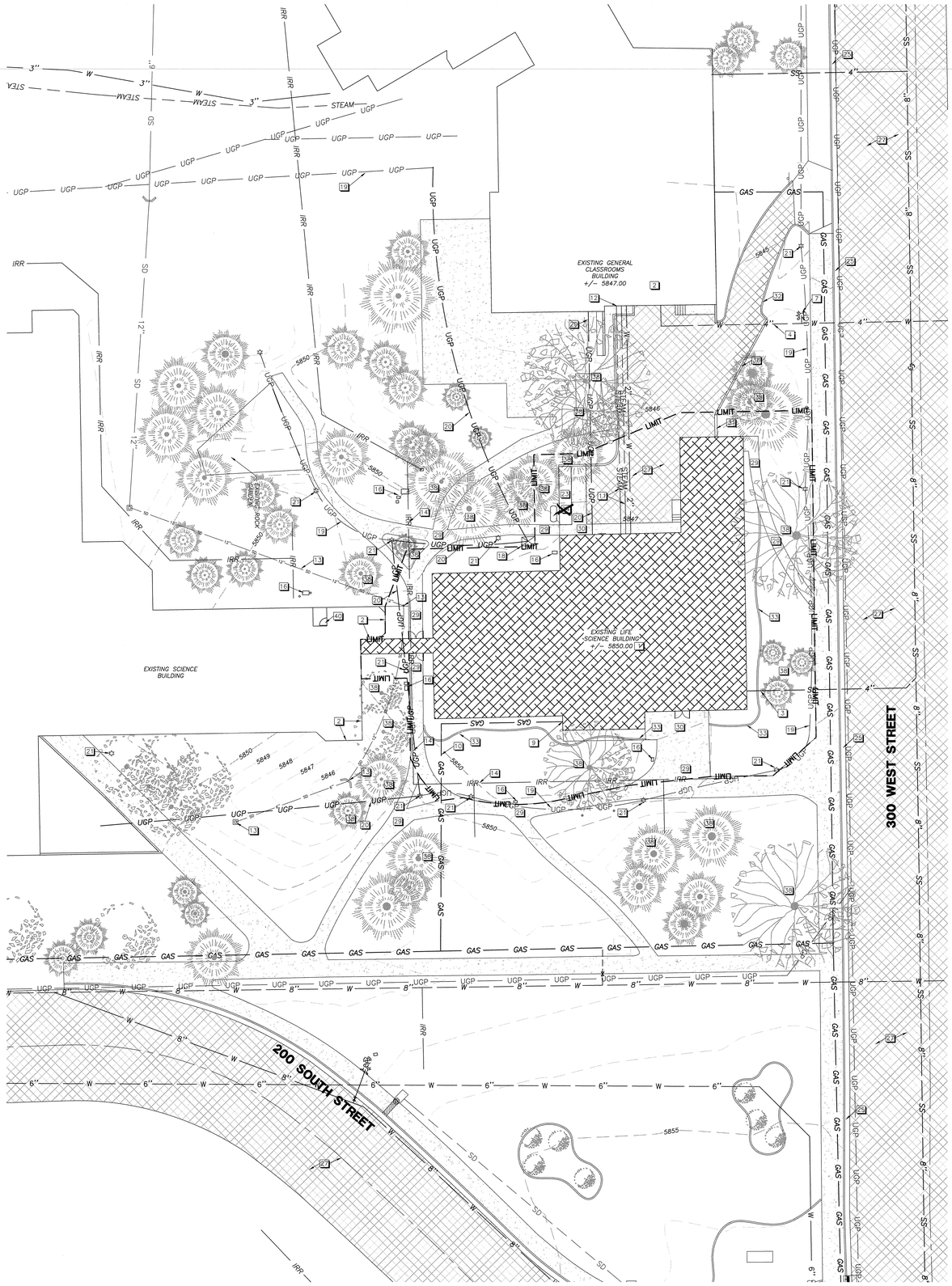


N
W E
S
20 0 20
SCALE IN FEET

DEMO LEGEND

- DEMOLITION EXTENTS
- LIMIT — FENCED LIMIT OF CONSTRUCTION
- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- SS — EXISTING SANITARY SEWER
- GAS — EXISTING GAS LINE
- UGP — EXISTING UNDERGROUND POWER
- STEAM — EXISTING UNDERGROUND STEAM LINE
- SD — EXISTING STORM DRAIN LINE
- IRR — EXISTING IRRIGATION LINE
- EXISTING ASPHALT TO REMAIN
- EXISTING ASPHALT TO REMOVE
- EXISTING CONCRETE
- EXISTING CONCRETE TO REMOVE
- EXISTING BUILDING TO BE REMOVED
- EXISTING TREE

GENERAL NOTES

1. UTILITY LOCATIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR MUST CALL SUU FACILITIES MANAGEMENT AND BLUE STAKES PRIOR TO ANY EXCAVATION.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING FEATURES THAT ARE ENCOUNTERED DURING THE DEMOLITION OF THIS SITE TO INCLUDE ANY UNKNOWN SEPTIC TANKS, BURIED TANKS, ETC.

3. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY ONSITE DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

4. THE CONTRACTOR IS RESPOSIBLE TO WALK THE SITE WITH THE SUU GROUNDS STAFF PRIOR TO BEGINNING PROJECT.

5. CARE MUST BE TAKEN NOT TO UNREASONABLY DISTURB THE ADJACENT BUILDINGS DURING ALTERNATE PHASES OF DEMOLITION AND CONSTRUCTION.

6. THE RELOCATION AND REMOVAL OF EXISTING UTILITIES MUST BE COORDINATED WITH THE PROPER UTILITY COMPANY. THIS COORDINATION IS THE RESPONSIBILITY OF THE CONTRACTOR.

7. EXISTING FEATURES MUST BE DISPOSED OF TO AN OFF SITE LOCATION DURING THE DEMOLITION PHASE.

8. ALL FILLS THAT ARE PLACED DURING THE DEMOLITION PHASE MUST BE TESTED BY THE GEOTECHNICAL TESTING COMPANY.

DEMOLITION NOTES

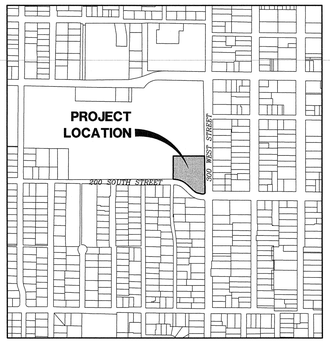
1. MAINTAIN IRRIGATION LINE ON WEST END OF BUILDING FROM THE NORTH SIDE TO SOUTH SIDE OF THE BUILDING.

2. REMOVE SPRINKLER CLOCK AND WIRES FROM EXISTING LIFE SCIENCE BUILDING. INSTALL (4) "UNIX" BATTERY OPERATED VALVES FOR TEMPORARY CONTROL OF THE IRRIGATION, AND COORDINATE WITH THE OWNER'S GROUNDS KEEPING FOR FINAL PLACEMENT.

3. TREES MUST BE PROTECTED BY CONTRACTOR. NO PARKING OR DRIVING WILL BE ALLOWED UNDER OR AROUND TREES CANOPY.

4. GROUNDS STAFF APPROVAL IS REQUIRED PRIOR TO REMOVING TREE.

5. ALL TREES TO BE WATERED USING DRIP SOAKER TUBE OUT AWAY FROM THE TRUNK, WRAPPED AT LEAST (2) TIMES AROUND EACH TREE.



VICINITY MAP

N.T.S.

DEMOLITION PLAN NOTES

1. EXISTING BUILDING TO BE DEMOLISHED AND ALL MATERIAL TO BE REMOVED FROM SITE.
2. EXISTING BUILDING TO REMAIN
3. CAP EXISTING SEWER LATERAL
4. EXISTING WATER LINE TO REMAIN
5. EXISTING WATER VALVE TO REMAIN
6. EXISTING WATER VALVE TO BE REMOVED
7. EXISTING FIRE HYDRANT TO REMAIN
8. EXISTING FIRE HYDRANT TO BE RELOCATED
9. EXISTING GAS CONNECTION TO BE REMOVED
10. CAP EXISTING GAS LINE FOR FUTURE USE
11. ABANDON EXISTING WATER LINE AND STEAM LINE AND SHOW LOCATION ON AS-BUILT PLANS
12. CAP EXISTING STEAM LINES AND WATER LINE IN MECHANICAL ROOM OF EXISTING GENERAL CLASSROOMS BUILDING
13. EXISTING STORM DRAIN TO REMAIN
14. EXISTING IRRIGATION LINE TO BE MAINTAINED DURING THE DEMOLITION AND CONSTRUCTION PHASES OF THIS PROJECT
15. EXISTING IRRIGATION LINE TO BE REMOVED
16. EXISTING IRRIGATION BOX TO REMAIN
17. EXISTING IRRIGATION BOX TO BE RELOCATED
18. EXISTING ELECTRICAL TRANSFORMER AND PAD TO BE REMOVED
19. EXISTING UNDERGROUND POWER TO REMAIN
20. DEMOLISH ALL 15 KV CABLES AND DUCTBANK TO SITE BOUNDARY
21. EXISTING LIGHT POLE TO REMAIN
22. EXISTING LIGHT POLE TO BE REMOVED
23. EXISTING SHED TO BE REMOVED
24. ~~EXISTING ASPHALT TO BE REMOVED~~ NOT USED
25. EXISTING CURB & GUTTER TO REMAIN
26. EXISTING CURB & GUTTER TO BE REMOVED
27. EXISTING ASPHALT TO REMAIN
28. EXISTING ASPHALT TO BE REMOVED
29. EXISTING SIDEWALK TO REMAIN
30. EXISTING SIDEWALK TO BE REMOVED
31. EXISTING CONCRETE WALL TO BE REMOVED
32. EXISTING 6" CURB TO REMAIN
33. EXISTING 6" CURB TO BE REMOVED
34. EXISTING SIGN TO REMAIN
35. EXISTING SIGN TO BE REMOVED
36. EXISTING FENCE TO REMAIN
37. EXISTING FENCE TO BE REMOVED
38. EXISTING TREE TO REMAIN
39. EXISTING TREE TO BE REMOVED
40. PROPOSED TEMPORARY EXIT FROM EXISTING BUILDING

ALL EXISTING UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

SOUTHERN UTAH UNIVERSITY
GIBSON SCIENCE CENTER ADDITION

SOUTHERN UTAH UNIVERSITY
CEDAR CITY, UTAH

DFCM PROJECT NO. 07297730

SEAL

LICENSED PROFESSIONAL ENGINEER
No. 188156
RONALD J. LARSEN
STATE OF UTAH
7/14/09

MHTN PROJECT NO. 2009536.00
DRAWN BY: CHECKED BY:

ISSUED:

NO.	DATE	DESCRIPTION

REVISION DATE:

NO.	DATE	DESCRIPTION
1	7-10-09	REVISIONS PER SUU REVIEW

SHEET NAME

DEMOLITION PLAN

DEMOLITION PACKAGE
23 JUNE 2009

SHEET NUMBER

CE102

By: Tony, Jun 22, 2009 - 2:54pm
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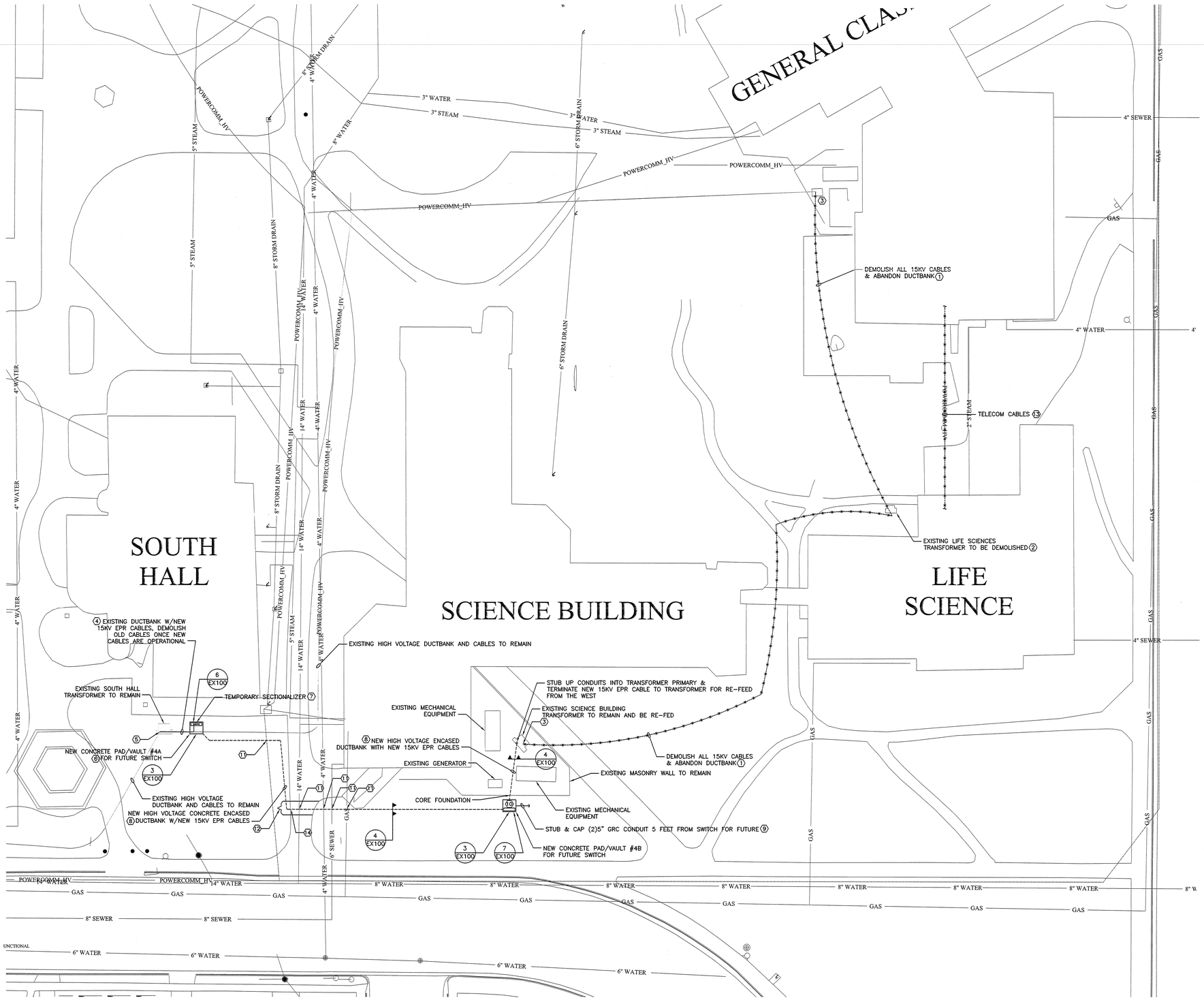

1 ES100 ELECTRICAL SITE PLAN
SCALE: 1" = 20'

KEYED NOTES - SHEET ES100

1. PULL OUT ALL 15KV POWER CABLES IN EXISTING DUCTBANK AND DELIVER TO OWNER AT LOCATION DEFINED BY OWNER, DUCTBANK TO BE ABANDONED. SCIENCE BUILDING TRANSFORMER MUST BE RE-FED, TESTED AND OPERATING PRIOR TO REMOVAL AND DISCONNECTION OF CABLES.
2. DEMOLISH TRANSFORMER AFTER THE SCIENCE BUILDING TRANSFORMER HAS BEEN RE-FED, TESTED AND IS OPERATING PROPERLY. DEMOLISH PANELS AND ALL OTHER ELECTRICAL EQUIPMENT MOUNTED TO THE TRANSFORMER. THE SITE LIGHTING MUST ALSO BE RE-FED FROM THE AUDITORIUM BUILDING PRIOR TO DEMOLITION.
3. DISCONNECT 15KV CABLES AT TRANSFORMER TO THE LIFE SCIENCES TRANSFORMER PRIOR TO DEMOLITION OF CABLES.
4. OLD 15KV CABLES FROM TEMPORARY SECTIONALIZER TO SOUTH HALL TRANSFORMER TO BE DEMOLISHED ONCE NEW CABLES HAVE BEEN TERMINATED, TESTED AND ARE OPERATIONAL.
5. DISCONNECT EXISTING 15KV CABLES AT TRANSFORMER RUNNING EAST AND TERMINATE NEW 15KV EPR CABLES TO TRANSFORMER FROM TEMPORARY SECTIONALIZING CABINET.
6. NEW CONCRETE PAD/VAULT. COORDINATE EXACT LOCATION TO INSTALL OVER THE TOP OF THE EXISTING DUCTBANK. CAREFULLY CHIP AWAY CONCRETE, INTERCEPT THE EXISTING SPARE CONDUIT TO SOUTH HALL TRANSFORMER AND INTERCEPT THE EXISTING CABLE THAT HEADS NORTH-EAST. PULL PLENTY OF THE EXISTING CABLE BACK TO ENSURE EXISTING CABLE CAN EASILY BE TERMINATED ONTO THE TEMPORARY SECTIONALIZER. EXTEND NEW CABLES FROM SECTIONALIZER THROUGH EXISTING SPARE DUCT TO FEED THE SOUTH HALL TRANSFORMER.
7. TEMPORARY SECTIONALIZER PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO PICKUP SECTIONALIZER AND DELIVER TO SITE, INCLUDE UP TO 3 MILES FOR TRANSPORTATION. COORDINATE WITH SUU ELECTRIC SHOP. INSTALL ON NEW PAD/VAULT, PROVIDE & SECURELY FASTEN 1/8" STEEL PLATE TO COVER ANY EXPOSED OPENINGS BETWEEN SECTIONALIZER AND VAULT OPENING WHICH IS SIZED FOR FUTURE SWITCHES.
8. TRENCH AND INSTALL CONCRETE DUCTBANK SO CONDUITS ARE A MINIMUM OF 36" BELOW GRADE. DUCTBANK HEIGHT SHALL BE ADJUSTED AT UTILITY CROSSINGS OR OTHER CONFLICTS UP TO 60" BELOW GRADE AS DETERMINED BY THE ARCHITECT IN THE FIELD AT NO ADDITIONAL COST TO THE OWNER. REFILL, INSTALL DETECTABLE MAGNETIC RIBBON AT 12" BELOW GRADE, COMPACT AND REPAIR LANDSCAPE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR, RELOCATE AND ADJUST IRRIGATION SYSTEMS WHICH ARE AFFECTED BY THIS WORK.
9. CONDUITS TO BE INSTALLED AT 36" BELOW GRADE TO TOP OF CONDUIT.
10. PROVIDE AND SECURELY FASTEN CUSTOM 1/8" STEEL PLATE OVER SWITCH PAD/VAULT OPENING TO ENSURE VAULT ACCESS IS COMPLETELY COVERED.
11. POSSIBLE UTILITY CROSSING, POTHOLE AND FIELD LOCATE EXISTING UTILITY PRIOR TO TRENCHING; PROTECT AND MAINTAIN EXISTING UTILITY LINE.
12. DEMOLISH A COMPLETE SECTION OF CONCRETE SIDEWALK, AFTER TRENCHING BACKFILL AND COMPACTION IS COMPLETE, REPOUR CONCRETE SIDEWALK TO MATCH EXISTING PREVIOUS CONDITION.
13. DEMOLISH EXISTING TELECOM CABLES FROM GENERAL CLASSROOM BUILDING TO LIFE SCIENCE BUILDING FROM ABANDON CONDUIT.
14. ALL CONDUIT BENDS SHALL DONE IN GRC, PROVIDE ALL ADAPTERS REQUIRED TO GO FROM PVC-GRC-PVC.

GENERAL NOTES - SHEET ES100

A. INFORMATION IS PARTIALLY BASED ON AS-BUILT DRAWINGS, NOT ALL CONDITIONS HAVE BEEN VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL INFORMATION SHOWN.
B. CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE AND LOCATE ALL UTILITIES WHETHER SHOWN OR NOT. PROTECT AND MAINTAIN ALL EXISTING UTILITIES.

CONTACTS

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Project #: 59026.00

SOUTHERN UTAH UNIVERSITY
GIBSON SCIENCE CENTER ADDITION
SOUTHERN UTAH UNIVERSITY
CEDAR CITY, UTAH
DFCM PROJECT NO. 07297730

SEAL

MHTN PROJECT NO. 2009536.00
DRAWN BY: CHECKED BY:

ISSUED:

NO.	DATE	DESCRIPTION

REVISION DATE:

NO.	DATE	DESCRIPTION

SHEET NAME
ELECTRICAL SITE PLAN

DEMOLITION PACKAGE
23 JUNE 2009

SHEET NUMBER
ES100

By: dportreres; Jul 13, 2009 - 1:53pm
H:\2009\SUU Gibson Science Center Addition 59026\Cad\Demo Package\ES100.dwg

KEYED NOTES - SHEET EL100

1. PEDESTRIAN SCALE POLE MOUNT LIGHT CURRENTLY FED FROM LIFE SCIENCES LIGHTING CONTACTOR TO BE MAINTAINED AND RE-FED FROM THE EXISTING AUDITORIUM LIGHTING CONTACTOR.
2. CAREFULLY REMOVE EXISTING POLE MOUNT LIGHT INCLUDING POLE BASE, POLE AND LIGHT; TRANSPORT AND SECURELY PROTECT. DEMOLISH CONCRETE POLE BASE. INSTALL NEW CONDUIT AND WIRE TO TIE NEW POLE BASE INTO AUDITORIUM LIGHTING CONTACTORS. PROVIDE NEW CONCRETE POLE BASE, REFER TO DETAIL 5-EX100. RE-INSTALL SALVAGED POLE BASE, POLE AND LIGHT IN SAME LOCATION. RE-CIRCUIT LIGHTING TO AUDITORIUM CIRCUIT.
3. TRENCH AND INSTALL CONDUIT AT 24" BELOW GRADE TO TOP OF CONDUIT, PROVIDE YELLOW DETECTABLE MAGNETIC RIBBON AT 12" BELOW GRADE, REFILL, COMPACT AND LANDSCAPE TO MATCH EXISTING CONDITIONS.
4. MAINTAIN EXISTING LIGHT AND POLE BASES, EXTEND NEW 1-1/4" CONDUIT FROM EXISTING POLE BASE TO NEW POLE BASE TO RE-FEED LIGHTING FROM THE AUDITORIUM LIGHTING CONTACTORS.
5. DEMOLISH SECTION(S) OF CONCRETE SIDEWALK AS REQUIRED TO INSTALL CONDUIT, PROVIDE NEW CONCRETE SIDEWALK AFTER CONDUIT HAS BEEN INSTALLED.
6. SPLICE NEW (3) #8 THWN CONDUCTORS TO EXISTING SPARE CONDUCTORS IN POLE BASE.
7. SPLICE NEW (3) #8 THWN CONDUCTORS TO EXISTING CONDUCTORS IN POLE BASE TO RE-FEED THE LIGHTING CIRCUIT.
8. EXISTING LIGHTING CONTACTOR W/SPARE CONTACT TO RE-FEED LIFE SCIENCE SITE LIGHTING LOCATED IN TRANSFORMER SECONDARY. CONTACT MATT VANDENBERGHE (435-559-1859) FOR ACCESS TO THE TRANSFORMER.
9. EXISTING CONDUIT FOR AUDITORIUM SITE LIGHTING PLUS SPARE (1) 1-1/4" AND (3) #8 TO BE USED TO RE-FEED THE LIFE SCIENCES SITE LIGHTING CIRCUIT.
10. EXISTING SITE LIGHTING CIRCUIT TO REMAIN, EXACT LOCATION AND CIRCUITING UNKNOWN.
11. DISCONNECT SITE LIGHTING CIRCUIT AND DEMOLISH LIGHTING CONTACTORS LOCATED ON TRANSFORMER.
12. DEMOLISH CABLES FROM LIGHTING CONTACTOR TO FIRST POLE BASE, ONCE LIGHTING HAS BEEN RE-FED FROM THE AUDITORIUM LIGHTING CONTACTORS. ABANDON CONDUIT.

GENERAL NOTES - SHEET EL100

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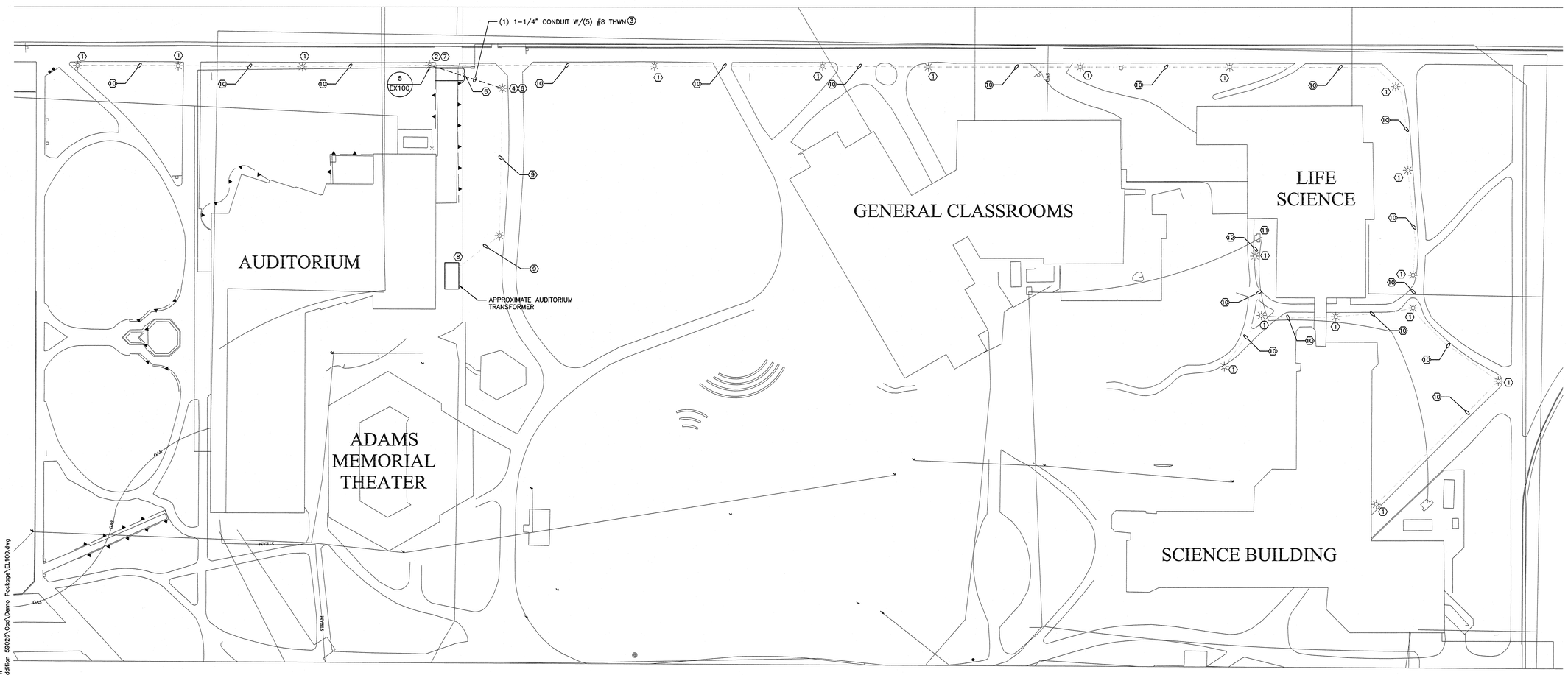

1 / EL100 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 30'

By: dcontreras; Jul 13, 2009 - 1:53pm
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SOUTHERN UTAH UNIVERSITY
GIBSON SCIENCE CENTER ADDITION

SOUTHERN UTAH UNIVERSITY
CEDAR CITY, UTAH

DFCM PROJECT NO. 07297730

SEAL:

REGISTERED PROFESSIONAL ENGINEER
No. 271888
KENNETH D. GARNER
STATE OF UTAH
07-13-09

MHTN PROJECT NO: 2009536.00

DRAWN BY: CHECKED BY:

ISSUED:

NO.	DATE	DESCRIPTION:

REVISION DATE:

NO.	DATE	DESCRIPTION:

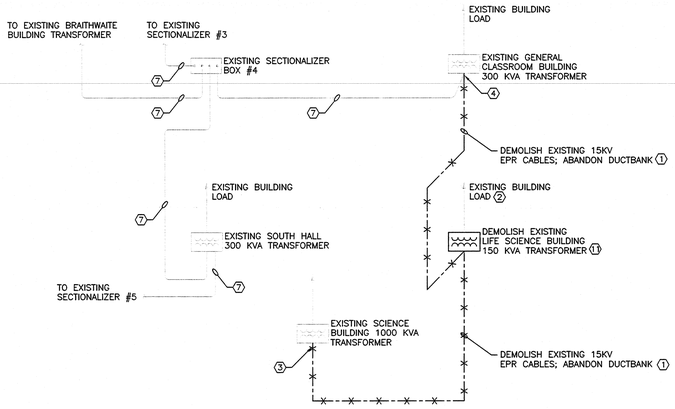
SHEET NAME

ELECTRICAL SITE LIGHTING PLAN

DEMOLITION PACKAGE
23 JUNE 2009

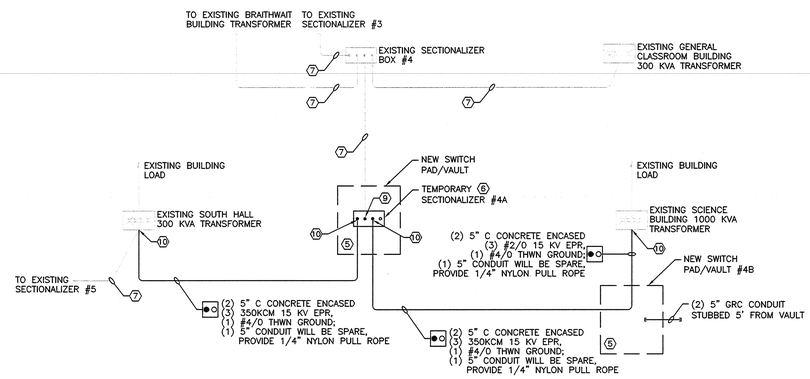
SHEET NUMBER

EL100



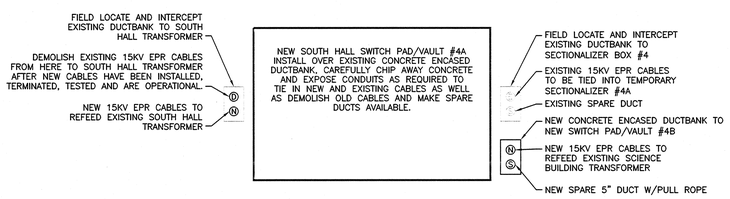
1 EX100 — 12,470 VOLT DEMOLITION ONELINE DIAGRAM

SCALE: NTS



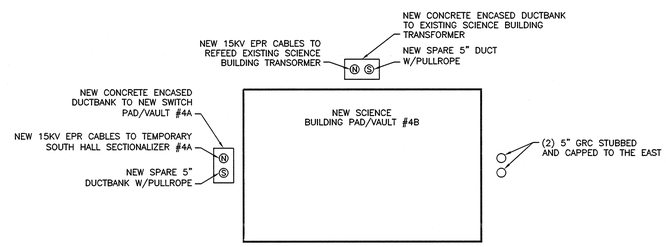
2 EX100 — 12,470 VOLT ONELINE DIAGRAM

SCALE: NTS



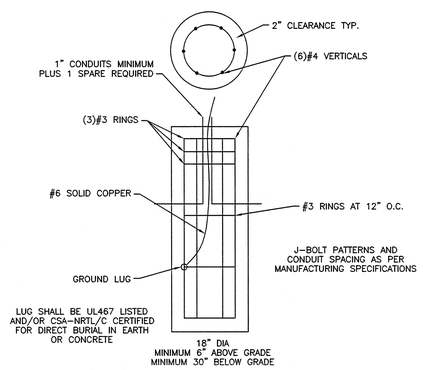
3 EX100 — NEW SOUTH HALL PAD/VAULT #4A DUCTBANK DETAIL

SCALE: NTS



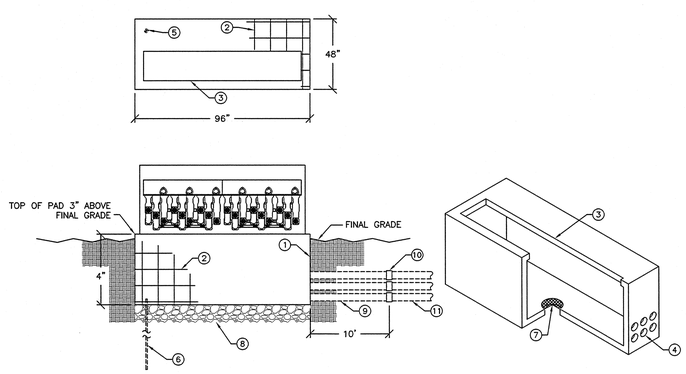
4 EX100 — NEW SCIENCE BUILDING PAD/VAULT #4B DUCTBANK DETAIL

SCALE: NTS



5 EX100 — LIGHT POLE BASE DETAIL

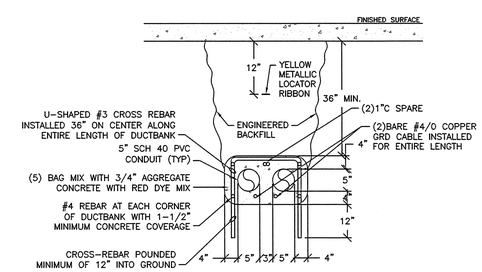
SCALE: NTS



1. CONCRETE VAULT TO BE 4" THICK ON ALL SIDES. DIMENSIONS ARE TO BE 48" X 48" x 96" TOP OF SLAB IS TO PROJECT 3" ABOVE FINISHED GRADE.
2. #4 REBAR AT 12" ON CENTER MAXIMUM SPACING AND PLACED IN THE CENTER OF CONCRETE SLAB.
3. KNOCKOUT IS TO BE 20" X 84", PROVIDE CUSTOM 1/8" STEEL PLATE TO COVER ANY EXPOSED KNOCKOUT.
4. 5" KNOCKOUT(S) FOR FEEDER ENTRANCE INTO VAULT. TO BE LOCATED TOWARD THE MIDDLE AND BOTTOM OF THE WALL. QUANTITY AS REQUIRED.
5. 2 1/2" KNOCKOUT FOR GROUND ROD TO BE LOCATED IN CORNER
6. 3/4" COPPER CLAD SOLID STEEL AND GROUND ROD. MINIMUM OF 10' IN LENGTH. GROUNDING CABLE TO BE BONDED TO GROUND ROD.
7. 12" DRAIN WITH GRATE IN CENTER OF VAULT.
8. 12" MINIMUM OF 3/4" MINUS GRAVEL BENEATH VAULT
9. 5" GRC CONDUIT(S) FOR FEEDER(S). QUANTITY AS REQUIRED FOR 10' FROM VAULT
10. GRC TO PVC ADAPTER
11. 5" PVC CONDUIT(S) FOR FEEDER(S). QUANTITY AS REQUIRED

6 EX100 — TYPICAL PAD STYLE SWITCH DETAIL

SCALE: NTS



7 EX100 — 2-WAY POWER DUCT BANK DETAIL

SCALE: NTS

KEYED NOTES - SHEET EX100

1. DEMOLITION CANNOT OCCUR UNTIL THE EXISTING SCIENCE BUILDING HAS BEEN REFED. REMOVE CABLES AND DELIVER TO OWNER TRANSPORT UP TO 3 MILES.
2. BUILDING TO BE DEMOLISHED BY OTHERS.
3. DISCONNECT OLD PRIMARY CABLES AND TERMINATE NEW CABLES FOR REFEEDING OF TRANSFORMER.
4. DISCONNECT PRIMARY CABLES THAT ARE BEING DEMOLISHED AT TRANSFORMER PRIMARY.
5. PROVIDE AS MUCH SLACK AS POSSIBLE FOR CABLES WITHIN THE PAD/VAULT TO ALL FOR FUTURE CONNECTION TO PAD SWITCHES.
6. TEMPORARY SECTIONALIZER PROVIDED BY OWNER. CONTRACTOR TO PICKUP, TRANSPORT UP TO 3 MILES AND INSTALL.
7. EXISTING CABLES AND DUCTBANK TO BE PROTECTED AND MAINTAINED.
8. INTERCEPT EXISTING DUCTBANK. INSTALL NEW PAD/VAULT AND SECTIONALIZER. TERMINATE EXISTING FEEDER TO SECTIONALIZER.
9. PROVIDE AND INSTALL 200A MOLDED PRODUCT LOADBREAK TERMINATIONS FOR EXISTING CABLES, FIELD VERIFY AND COORDINATE WITH SIZE OF CABLES PRIOR TO ORDERING.
10. PROVIDE AND INSTALL 200A MOLDED PRODUCT LOADBREAK TERMINATIONS FOR NEW CABLES.
11. PERFORM PCB TESTING OF TRANSFORMER OIL TO CONFIRM IT IS NON-PCB CONTAINING OIL PRIOR TO DEMOLITION AND DISPOSAL OF OIL.

GENERAL NOTES - SHEET EX100

A. ALL OUTAGES SHALL BE COORDINATED WITH SUU. PROVIDE 2 WEEK MINIMUM NOTICES.
B. ALL OUTAGES SHALL BE MINIMIZED AS MUCH AS POSSIBLE. CONTRACTOR IS RESPONSIBLE FOR PHASING AND COORDINATION.

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SHEET NAME

ELECTRICAL ONELINES AND DETAILS

DEMOLITION PACKAGE
23 JUNE 2009

SHEET NUMBER

EX100

By: doorfrance, Jul 13, 2009 - 1:54pm
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