



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

F. KEITH STEPAN
Director

ADDENDUM #1

Date: April 27, 2007

To: Contractors

From: Craig Wessman, Project Manager, DFCM

Reference: Utility Tunnel Expansion – Redwood Road Campus
Salt Lake Community College – Salt Lake City, Utah
DFCM Project No. 06163660

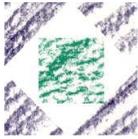
Subject: **Addendum No. 1**

Pages	Addendum	1	page
	<u>HFS Addendum</u>	<u>15</u>	<u>pages</u>
	Total	16	pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

- 1.1 **SCHEDULE CHANGES – There are no changes to the Project Schedule.**
- 1.2 **GENERAL – HFS Architects Specs. and Drawings**

End of Addendum #1



HFS ARCHITECTS

1484 South State Street
Salt Lake City, Utah 84115
801-596-0691 • Fax: 596-0693 • www.hfsa.com

Addendum No. 1

Project:	Utility Tunnel Expansion - Redwood Road Campus	Date:	27 April 2006
Address:	4600 South Redwood Road	Project No.:	0647.01
City, State:	Salt Lake City, Utah 84130-0808	Owner No.:	06163660
Owner:	DFCM	Agency:	Salt Lake Community College

To all Bidders of Record:

This addendum forms a part of the contract documents and modifies the original specifications and drawings as noted below. Items of general information are included without reference to the plans and specifications. Revisions to the specifications are referenced by page number and paragraph heading on that page. Revisions to the drawings are reference by the drawing number. Unless otherwise stated, any changes herein offset only the specific drawings, words, or paragraphs mentioned, and the balance of the drawings and specifications remain in full force. Acknowledge receipt of this addendum in the space provided on the Bid form. Failure to do so will subject the Bidder to disqualification.

ARCHITECTURAL ADDENDUM

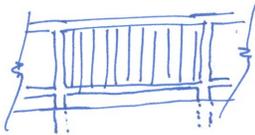
Item No.	Section or Sheet No.	Description
General Items:		
1 -1	Clarification	The new tunnel is shown on drawing AE101, it is represented by a dashed line or double line on the sidewalk.
1 -2	Clarification	This project will be tax exempt and Salt Lake Community College will provide their tax exempt number. Add the following as a Supplemental General Condition: <ul style="list-style-type: none"> 1. State of Utah Sales and Use Tax: <ul style="list-style-type: none"> a. Utah State Sales and Use Tax should not be added. b. The Seller is responsible for complying with all Utah State Sales and Use Tax exemption requirements. The Seller is responsible for payment of all Utah State Sales and Use Tax obligations that arise from the Seller’s failure to comply with exemption requirements.
1 -3	Questions	1. Please clarify how to deal with all of the existing utilities (water hydrant, storm drain, electrical, etc.) that appear to interfere with the proposed tunnel location. <p>Answer: We have tried to address all situations where the utilities cross the are of the new tunnel, see the drawings of the respective disciplines.</p>

Item No.	Section or Sheet No.	Description
		<p>2. What exactly is the requirement for pedestrian traffic in and through the construction site (tunnel work) as well as in and out of the Construction Trades Building. On sheet AS101 the construction limit line is where I will plan on fencing for the duration of the project. Please confirm that I don't have to allow pedestrian access into the Construction Trades Building or the main entrance for the Administration Building while I'm working.</p> <p>Answer: The hope is that by starting work on the north end of the tunnel that the area of the north half of the Administration Building on the west can be opened up for pedestrian traffic relatively quickly after the start of the project.</p>
		<p>3. Is it possible to access the tunnel from any other direction than from the parking lot at the southwest corner of the project?</p> <p>Answer: No.</p>
		<p>4. Is the existing soil suitable for backfilling the tunnel once it is in place? Is there room to stock pile this material on site?</p> <p>Answer: No, see item 1-5 below.</p>
		<p>5. The detail shown for the sump pits doesn't appear to work for our box culvert suppliers. All they can do is provide a block-out in the tunnel floor in the center of a tunnel section. Also the detail doesn't show the topping slab. Please revise this detail.</p> <p>Answer:</p>
		<p>6. Please add some references to Alternate Number 1 on the mechanical plan sheets.</p> <p>Answer: See Note #1 on sheet ME101.</p>
		<p>7. Where is the main boiler plant building in relation to this project?</p> <p>Answer: It is north of the Student Center, but it's location has no bearing on this project.</p>

Specifications Items:

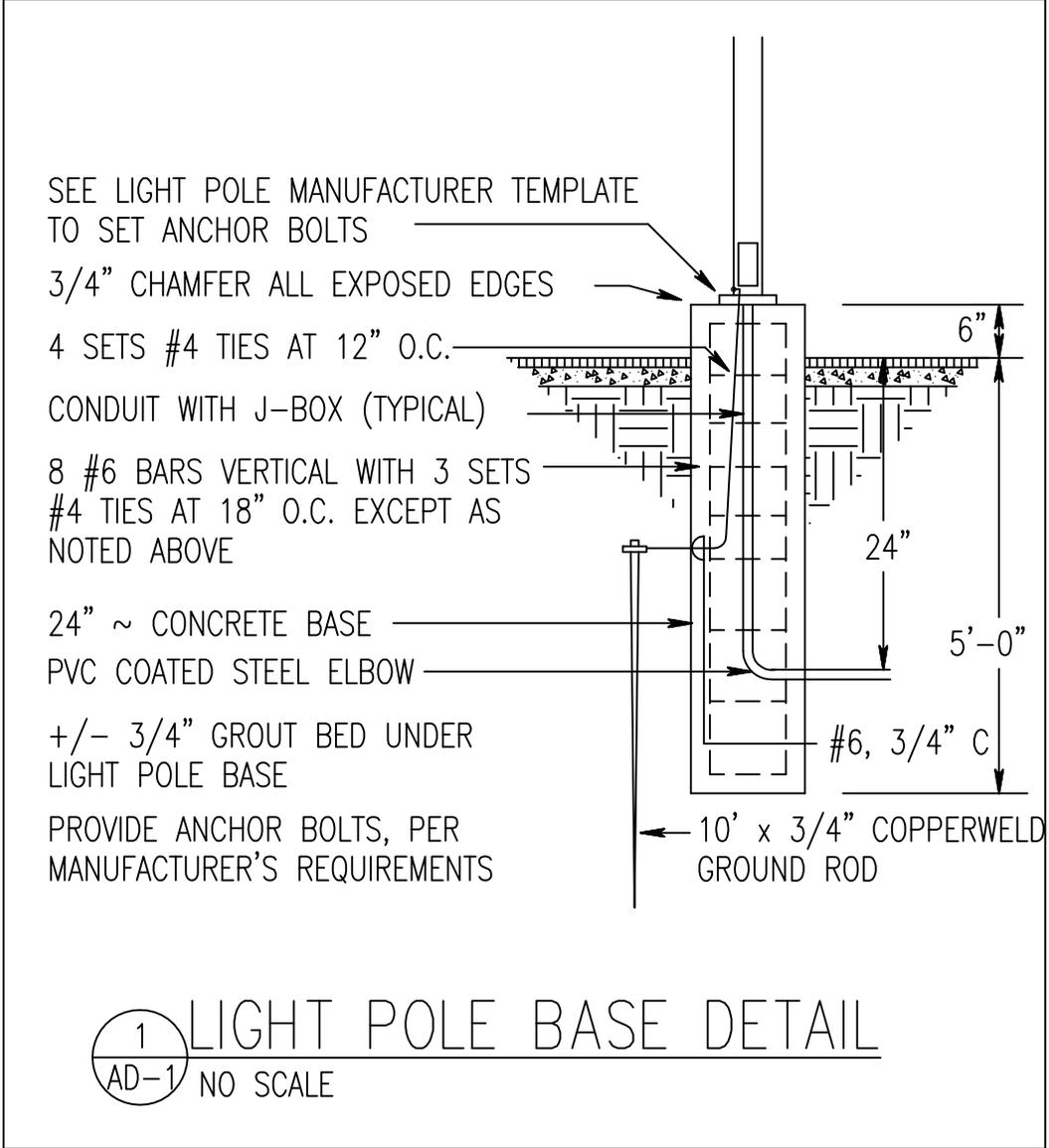
1 -4	01230-2	Sect. 3.1: Add the following paragraph at the end of the section: B. Alternate No. 2: PVC/Metal Insulation Jackets.
1 -5	02200-9	Sect. 3.19, Para A: Replace the text with the following: "Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property."
1 -6	03300-10	Sect. 3.7, Para B-1: Add to the end "to receive a rubbed finish.
1 -7	03300-10	Sect. 3.7: Add the following paragraph after B: C. Rubbed Finish: Apply the following to smooth-formed finish as-cast concrete.

Item No.	Section or Sheet No.	Description	
Drawing Items:		1. Smooth-Rubbed Finish: Not later than one day after form removed, moisten concrete surfaces and rub with carborundum brick or another abrasive until producing a uniform color and texture. Do not apply cement grout other than that created by the rubbing process. Match existing adjacent surfaces.	
	1 -8	AD101	At the service drive on the south side at the center of the Construction Trades building, change the pattern from "EXISTING ASPHALT" to "EXISTING CONCRETE".
	1 -9	AE101	Clarification: The two manholes located at the southeast corner of the construction trades building go into and existing grease trap. Completely remove the grease trap and cap the piping.
	1 -10	AE101	Provide curb cuts at the two service drive approaches on the east side of the Construction Trades building.
	1 -11	AE101	At the service drive at the center of the south side of the Construction Trades building, delete keyed note 23 and change the asphalt "pattern" to concrete. See photo E1/AD101 for what this should look like. Provide 7" of concrete over 8" granular base. Compact top 12" of subgrade to 90% proctor.
	1 -12	AE101	All parking lot striping disturbed by construction will be replaced in the same pattern and color. All curb painting disturbed by construction will be re-painted.
	1 -13	AE101	<p>Repair leak at joint between Administration building wall and the south wall of existing tunnel spur (to the Administration building) as follows:</p> <p>Step 1. Rout out faulty concrete to sound concrete.</p> <p>Step 2. Remove all loose material and saturate area with water. Allow time for concrete to absorb water, and then remove any free-standing water.</p> <p>Step 3. To stop the flow of water, fill the cavity to surface with Xypex Patch Plug. For large cavities, first handrub a layer of Patch Plug into the cavity to help "key" the patch. Large patches may require the addition of aggregate to the Patch Plug. For the size and amount of aggregate, please refer to the product data sheet. Where increased bonding is required, use suitable bonding agent.</p> <p>Step 4. After the patch has set, apply a slurry coat of Xypex Concentrate over repaired area at a coverage of 1.5 lb./sq. yd. (0.8 kg/m²).</p>

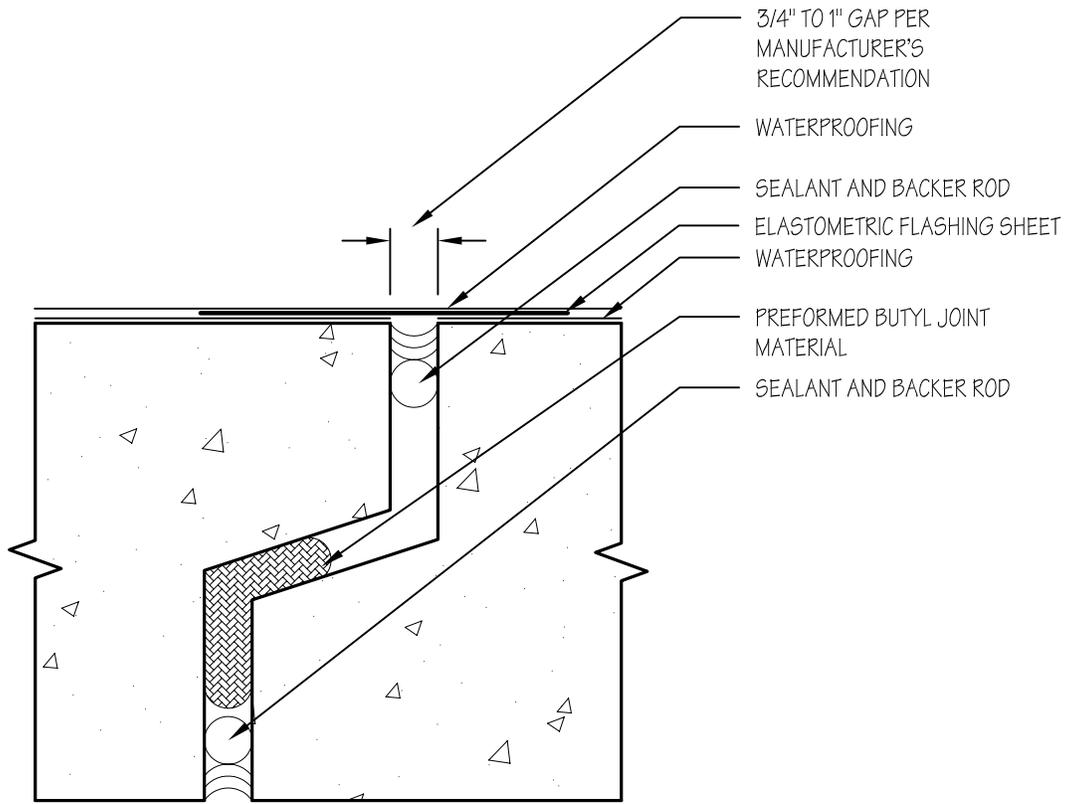
Item No.	Section or Sheet No.	Description
		Step 5. Cure by fog spraying periodically with water for two days or apply Xypex Gamma cure immediately after the slurry coat has set.
1 -14	AE101	Revise east-west sidewalk at southwest corner of the Administration building to be just a 5'-0"x5'-0" concrete pad at the door.
1 -15	AE101	Provide cleanouts (E4/AE501 sim.) at change of direction and/or every 200'-0" for the perforated foundation drain which runs along the tunnel. Provided vertical drops from foundation drain every 200'-0".
1 -16	AE301	Details A1, A3, A5 - Clarification: The materials wrapped on the outside of the new tunnel, typically, shall be protection board, drainage mat, and hot fluid-applied waterproofing. 2-inch rigid insulation is only on the walls adjacent to the new and existing retaining walls.
1 -17	AE301	Details A1, A3: Change note "(N) 12" ASPHALT BASE COURSE", replace 12" with 8".
1 -18	AE301	Detail A3: Change note "#5 @ 90 HORIZ." to read "#5 @ 9" O.C. HORIZ.." Note: this wall is 10" thick.
1 -19	AE302	Detail A5 - Clarification: The materials wrapped on the outside of the new tunnel, typically, shall be protection board, drainage mat, and hot fluid-applied waterproofing. 2-inch rigid insulation is only on the walls adjacent to the new and existing retaining walls.
1 -20	AE401	Details C3, E3: New stainless steel guardrail; vertical, top and bottom horizontal elements are 1-1/2" I.D. stainless steel pipe (1.9" O.D.). Replace intermediate horizontal elements with vertical 1/2"x1/2" stainless steel bar at 4" O.C.
		
1 -21	AE401	Detail C3: Handrail shown is an existing stainless steel handrail removed from the original stair and reinstalled. Modify the bottom extension to meet code. Rail to extend 12" past last riser at the slope of the stair, and then 12" more horizontally.
1 -22	AE501	Detail E6a: Assume control joints at 10'-0" o.c. and at all intersections and corners. Detail E6b: Assume expansion joints at 40'-0" o.c. and at changes in material. Detail E6c: Delete reference to 6" dimension, Note: all sidewalks are 6" thick U.N.O.

Item No.	Section or Sheet No.	Description
		Change title of detail to read: "CONCRETE SIDEWALK & DRIVEWAY JOINT DETAILS"
1 -23	AE501	Add the attached light pole base detail, (1/AD-1) to this page.
1 -24	AE501	Details C6, B6: Delete these details and replace with the following description: At the seven (7) sump pump locations - see ME101, provide a 24" round block out in the bottom of the precast tunnel sections. After the tunnel sections are set, hand excavate at these locations to allow placing 18" dia. X 30" deep (I.D.) Water meter boxes. Pour 6" floor in the bottom of the water meter box, and grout at top to form tight seal with the tunnel section. Provide 18"X18" metal bar grate with frame - all hot dip galvanized and place frame in topping slab.
1 -25	ME101	At the southeast corner of the tunnel, at the floor sink location, extend the 3" drain line approximately 10'-0" south and tie into the top half of the existing 8" sanitary sewer. The elevation of the line is approximately the bottom of the tunnel.
1 -26	MH401	Replace drawing with the attached MH401.
1 -27	MH402	Replace drawing with the attached MH402.
1 -28	MH403	Replace drawing with the attached MH403.
Prior Approvals:		
1 -29	Protecto Wrap	by Daly & Associates, not approved.
Attachments:		
1 -30	1/AD-1	Light Pole Base Detail, 1 page.
1 -31	2/AD-1	Joint at Precast Sections Details, 1 page.
1 -32	Mech. Add. 1	6 pages (4 drawings).
1 -33	Elec. Add. 1	2 pages.

End of Addendum No. 1



1 LIGHT POLE BASE DETAIL
 AD-1 NO SCALE



2 JOINTS AT PRECAST SECTIONS
 AD-1 3"=1'-0"

ADDENDUM

Project Name: SLCC Tunnel Addition

Mechanical Addendum No.: 1

DFCM Project # 06163660

Date: 04-26-07

From: WHW Engineering Inc
1354 East 3300 South Suite 200
Salt Lake City, Utah 84106
Phone (80) 466-4021 Fax (801) 466-8536

To: All bidders

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated March 2007 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 2 pages and 1 drawing.

I - CHANGES TO PRIOR ADDENDA: NA

II - CHANGES/CLARIFICATIONS TO SPECIFICATIONS: None

III - CHANGES/CLARIFICATIONS TO DRAWINGS:

Item III-1. Sheet MD101 and Sheet ME402 - A1/ADMIN BUILDING TUNNEL PIPING DEMOLITION PLAN: The two butterfly valves shown south of the admin piping branches, just before the chilled water piping leaves the tunnel do not exist, and will not be installed in a previous contract. When it is time to remove the buried chilled water piping shown on sheet MD101, it will be this contractor's responsibility to provide a temporary means to cap this piping when the buried pipe is removed. The valves upstream of the admin building take-offs will be able isolate this section of pipe while installing the temporary caps. The temporary caps will need to be installed after hours, so that the admin building will not be without cooling during normal business hours.

Towards the end of the project, the new chilled water piping connections at this tunnel junction will also have to be done after hours (over a weekend) in order to minimize the amount of time that the admin building will be without cooling.

Item III-2. Sheet MD101: Added the demolition of existing fire lines that run in the path of the new tunnel.

PRIOR APPROVALS

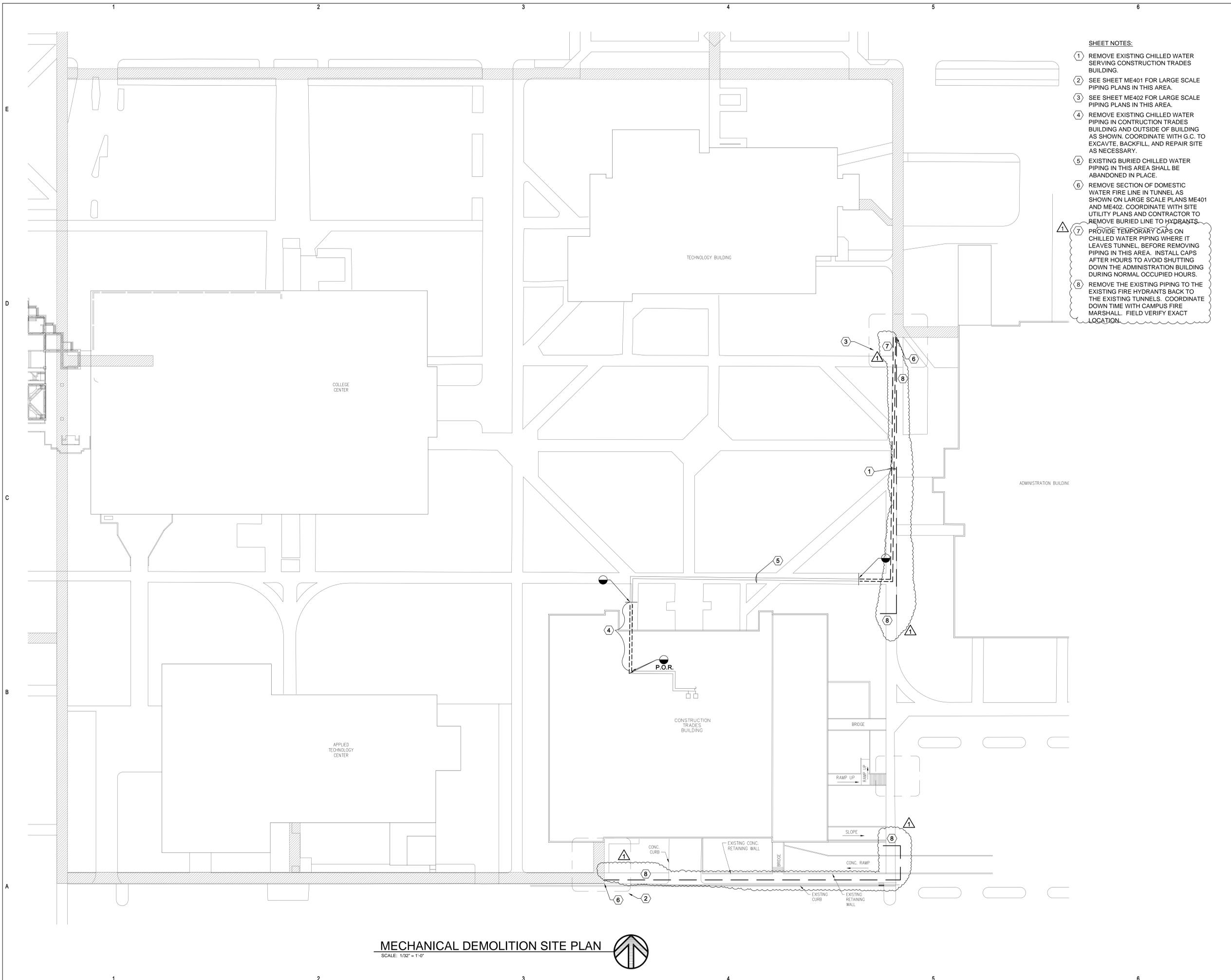
THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OR SUPPLIER OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS, NOR DOES IT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. ALL DIMENSIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

Description

Manufacturer

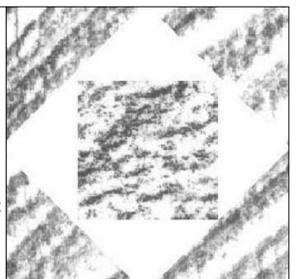
15854 – Louvers and Vents

Cesco



- SHEET NOTES:**
- ① REMOVE EXISTING CHILLED WATER SERVING CONSTRUCTION TRADES BUILDING.
 - ② SEE SHEET ME401 FOR LARGE SCALE PIPING PLANS IN THIS AREA.
 - ③ SEE SHEET ME402 FOR LARGE SCALE PIPING PLANS IN THIS AREA.
 - ④ REMOVE EXISTING CHILLED WATER PIPING IN CONSTRUCTION TRADES BUILDING AND OUTSIDE OF BUILDING AS SHOWN. COORDINATE WITH G.C. TO EXCAVTE, BACKFILL, AND REPAIR SITE AS NECESSARY.
 - ⑤ EXISTING BURIED CHILLED WATER PIPING IN THIS AREA SHALL BE ABANDONED IN PLACE.
 - ⑥ REMOVE SECTION OF DOMESTIC WATER FIRE LINE IN TUNNEL AS SHOWN ON LARGE SCALE PLANS ME401 AND ME402. COORDINATE WITH SITE UTILITY PLANS AND CONTRACTOR TO REMOVE BURIED LINE TO HYDRANTS.
 - ⑦ PROVIDE TEMPORARY CAPS ON CHILLED WATER PIPING WHERE IT LEAVES TUNNEL, BEFORE REMOVING PIPING IN THIS AREA. INSTALL CAPS AFTER HOURS TO AVOID SHUTTING DOWN THE ADMINISTRATION BUILDING DURING NORMAL OCCUPIED HOURS.
 - ⑧ REMOVE THE EXISTING PIPING TO THE EXISTING FIRE HYDRANTS BACK TO THE EXISTING TUNNELS. COORDINATE DOWN TIME WITH CAMPUS FIRE MARSHALL. FIELD VERIFY EXACT LOCATION.

MECHANICAL DEMOLITION SITE PLAN
 SCALE: 1/32" = 1'-0"



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CONSULTANT

WHW ENGINEERING INC.
 PROFESSIONAL MECHANICAL ENGINEERING
 1354 East 3300 South Suite 200
 SALT LAKE CITY, UTAH 84108
 (801)465-4021, FAX: 465-8238
 EMAIL: excellence@whw-engineering.com

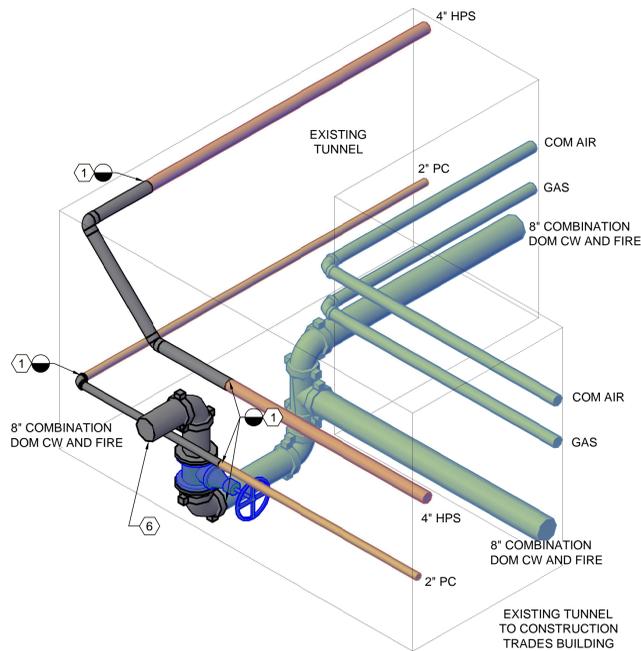
**UTILITY TUNNEL
 EXPANSION
 REDWOOD ROAD CAMPUS**

SALT LAKE COMMUNITY COLLEGE
 REDWOOD CAMPUS
 SALT LAKE CITY, UTAH

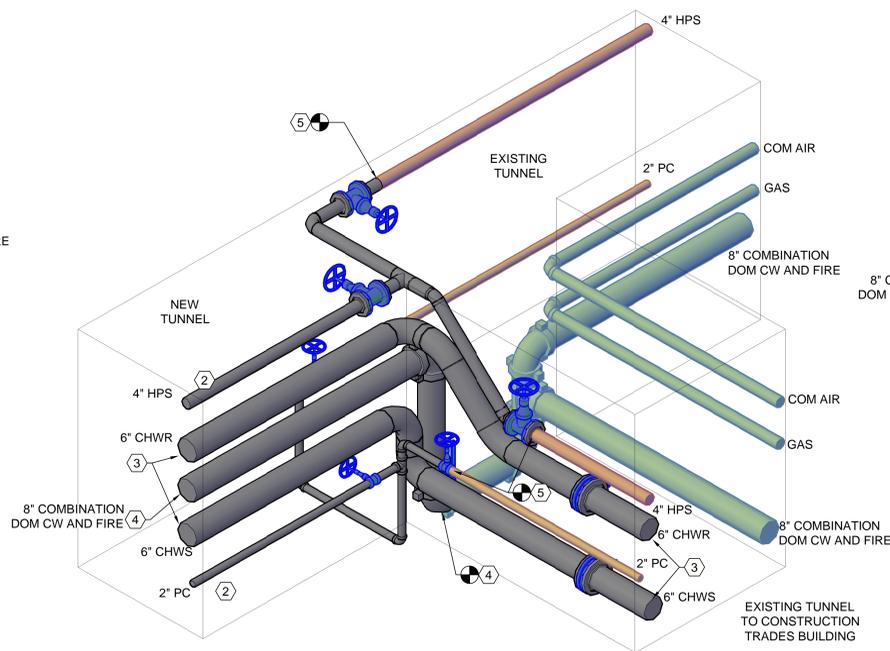
MARK	DATE	DESCRIPTION
△	04-26-07	ADDENDUM

DATE: 16 MARCH 2007
 PROJECT NO: 06163660
 HFSA PROJECT NO: 0647.01
 CAD DWG FILE NO:
 DRAWN BY: RB
 CHECKED BY: SW
 DESIGNED BY: WP
 DWG TYPE: MECHANICAL
 ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

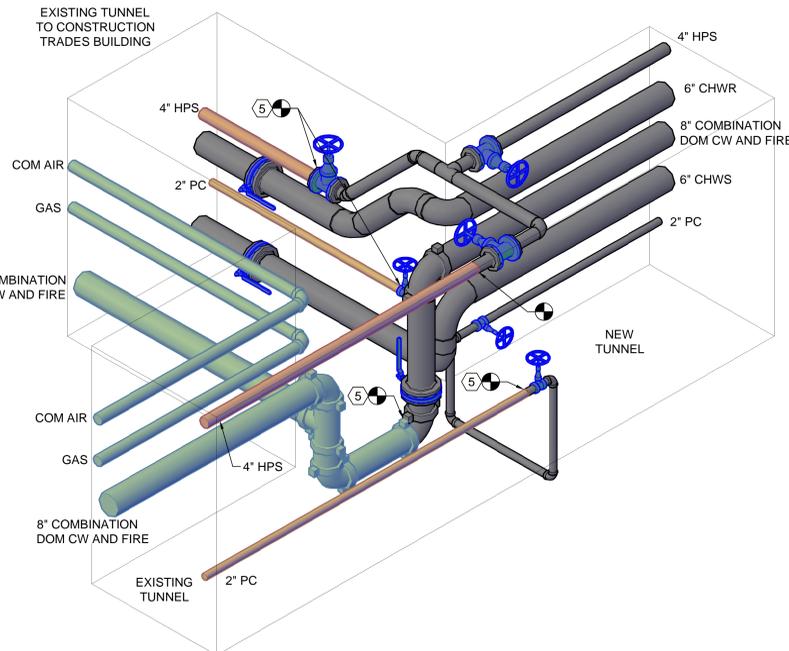
SHEET TITLE
**MECHANICAL
 DEMOLITION SITE
 PLAN**
MD101
 SHEET 18 OF 27



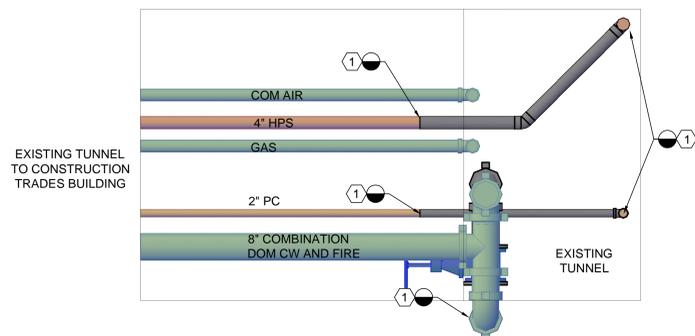
D1 CONSTRUCTION TRADES TUNNEL PIPING DEMOLITION ISOMETRIC
SCALE: NONE



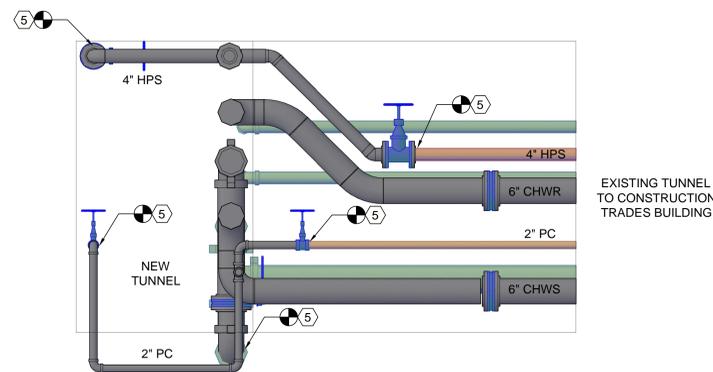
D3 CONSTRUCTION TRADES TUNNEL NEW PIPING ISOMETRIC LOOKING SOUTHWEST
SCALE: NONE



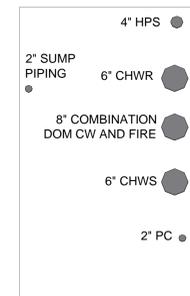
D3 CONSTRUCTION TRADES TUNNEL NEW PIPING ISOMETRIC LOOKING NORTH EAST
SCALE: NONE



B1 CONSTRUCTION TRADES TUNNEL SECTION PIPING DEMOLITION PLAN
SCALE: 1/2"=1'-0"



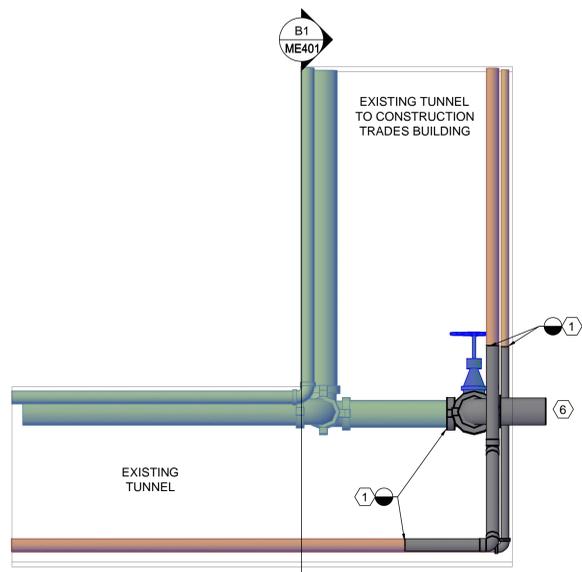
B3 CONSTRUCTION TRADES TUNNEL NEW PIPING SECTION
SCALE: 1/2"=1'-0"



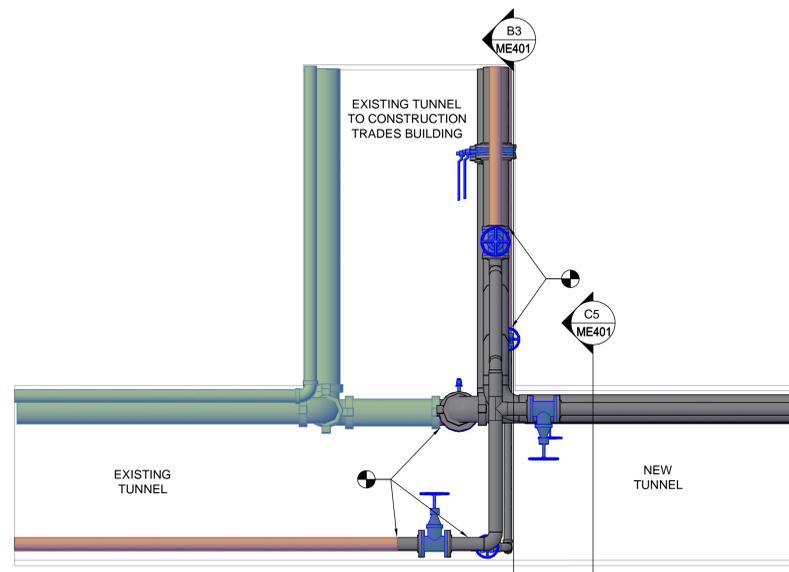
SECTION NOTES:

1. FIELD VERIFY EXACT LOCATION, ROUTING, AND SLOPING OF PIPING.
2. SEE ARCHITECTURAL PLANS FOR UNISTRUT SUPPORTS.
3. SEE DETAIL D4 ON ME501 FOR PIPE ROLLER AND SADDLE DETAIL.
4. SEE SHEET ME101 FOR GENERAL ROUTING.

B5 NEW TUNNEL TYPICAL PIPING SECTION
SCALE: 1/2"=1'-0"



A1 CONSTRUCTION TRADES TUNNEL PIPING DEMOLITION PLAN
SCALE: 1/2"=1'-0"



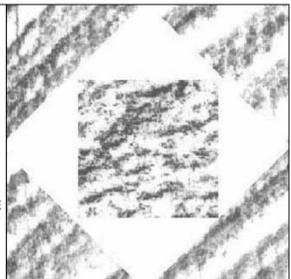
A3 CONSTRUCTION TRADES TUNNEL NEW PIPING PLAN
SCALE: 1/2"=1'-0"

SHEET NOTES:

- ① REMOVE SECTION OF EXISTING PIPING AS SHOWN. PROVIDE ISOLATION VALVES AT POINT OF REMOVAL. SEE MD101.
- ② PROVIDE NEW STEAM AND CONDENSATE PIPING IN NEW TUNNEL. SEE PLAN VIEW ME101.
- ③ NEW CHILLED WATER PIPING SEE ME101 AND ME102.
- ④ NEW DOMESTIC WATER PIPING IN TUNNEL.
- ⑤ RE-CONNECT TO EXISTING PIPING IN TUNNEL. PROVIDE ISOLATION VALVE AT POINT OF CONNECTION. SEE DEMOLITION PLANS AND DETAILS.
- ⑥ REMOVE EXISTING DOMESTIC WATER FIRE LINE IN TUNNEL AS SHOWN. COORDINATE WITH SITE UTILITY CONTRACTOR TO REMOVE BURIED PIPING TO HYDRANTS.

GENERAL NOTE:

1. FIELD VERIFY EXACT LOCATION, DIMENSION, ETC. PRIOR TO ORDERING OR FABRICATING ANY PIPING.
2. HIGH PRESSURE STEAM SHALL BE SCHEDULE 80 BLACK STEEL WITH WELDED AND FLANGED FITTINGS. SEE SPECIFICATIONS.
3. PUMPED CONDENSATE SHALL BE SCHEDULE 80 STEEL WITH THREADED FITTINGS. SEE SPECIFICATIONS.
4. CHILLED WATER PIPING SHALL BE SCHEDULE 40 STEEL WITH WELDED AND FLANGED FITTINGS. SEE SPECIFICATIONS.
5. COORDINATE EXACT PIPING LOCATION AND ROUTING WITH ALL OTHER PLANS, DISCIPLINES, FIELD CONDITIONS, ETC.



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**UTILITY TUNNEL EXPANSION
REDWOOD ROAD CAMPUS**

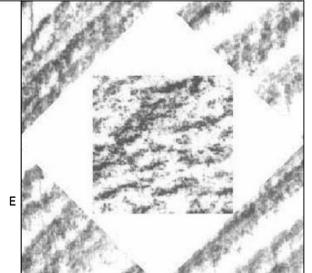
SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS
SALT LAKE CITY, UTAH

MARK	DATE	DESCRIPTION

DATE: 16 MARCH 2007
PROJECT NO: 06163660
HFSA PROJECT NO: 0647.01
CAD DWG FILE NO:
DRAWN BY: RB
CHECKED BY: SW
DESIGNED BY: WP
DWG TYPE: MECHANICAL
ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS
SHEET TITLE

**LARGE SCALE PIPING
PLANS, SECTIONS,
AND ISOMETRICS**

ME401
SHEET 20 OF 27



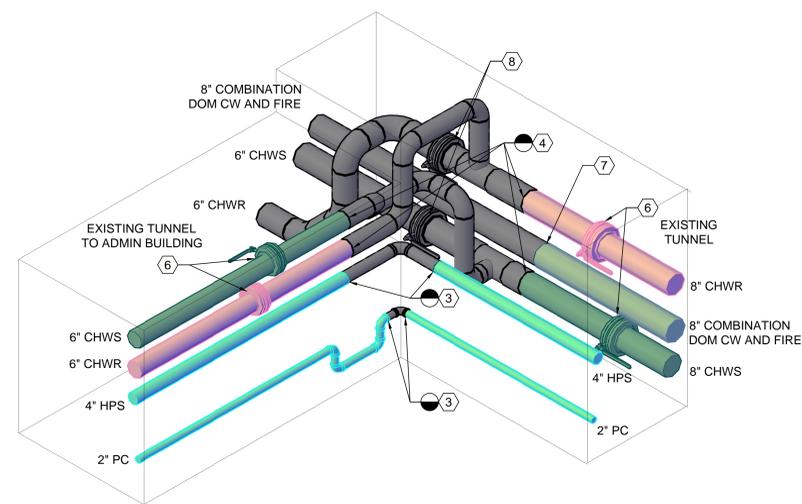
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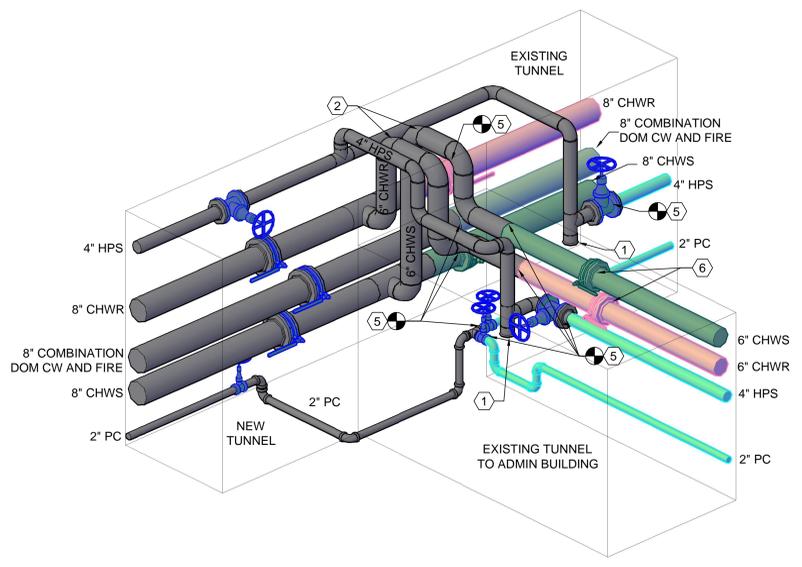
WHW
 ENGINEERING INC.
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 EMAIL: excellence@whw-engineering.com

**UTILITY TUNNEL
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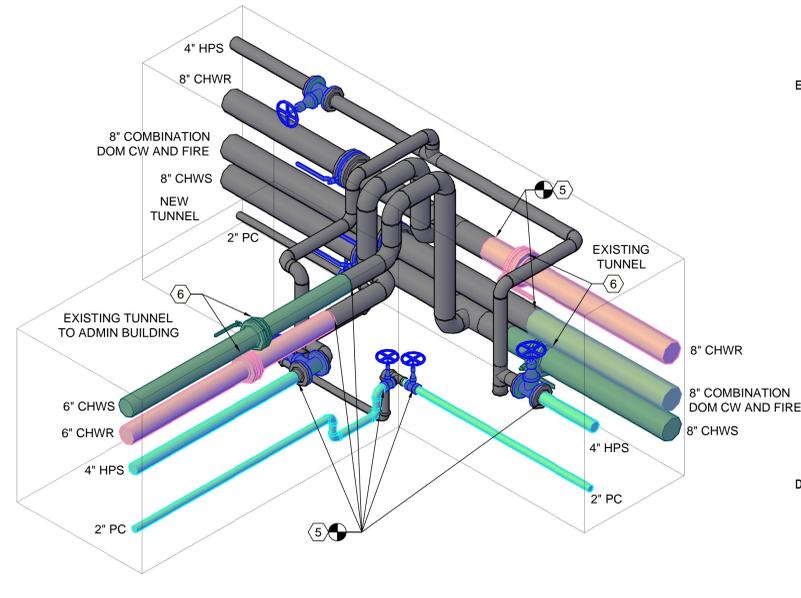
SALT LAKE COMMUNITY COLLEGE
 REDWOOD CAMPUS
 SALT LAKE CITY, UTAH



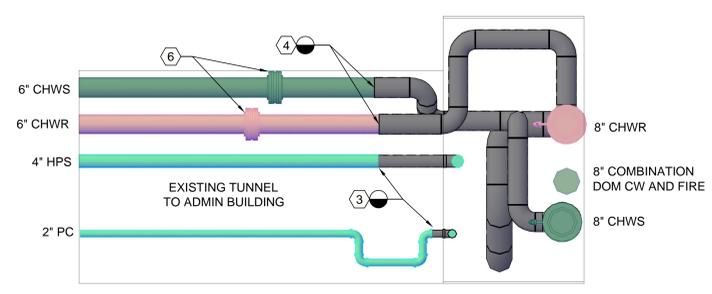
**D1 ADMIN BUILDING TUNNEL ISOMETRIC
 PIPING DEMOLITION PLAN**
 SCALE: NONE



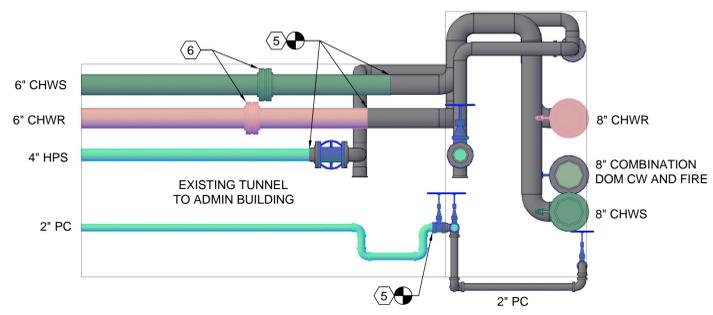
D3 ADMIN BUILDING TUNNEL NEW PIPING ISOMETRIC
 SCALE: NONE



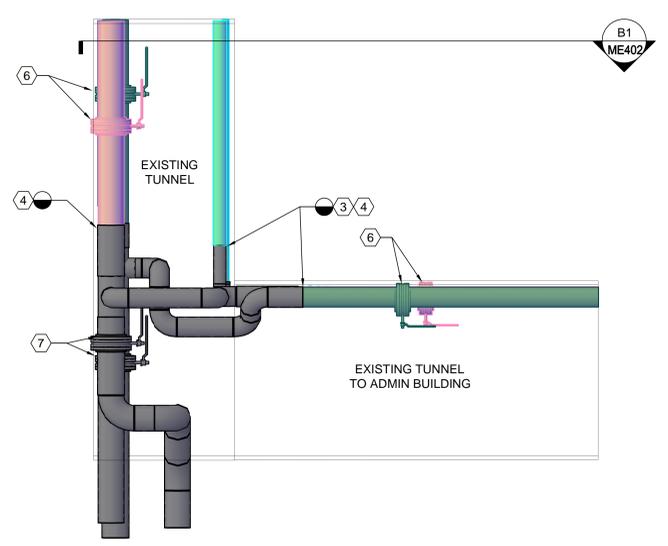
D5 ADMIN BUILDING TUNNEL NEW PIPING ISOMETRIC
 SCALE: NONE



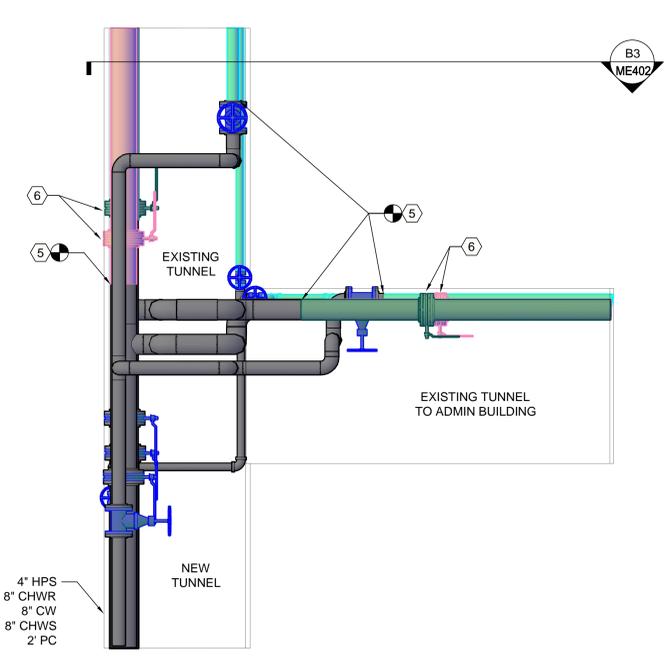
**C1 ADMIN BUILDING TUNNEL SECTION
 PIPING DEMOLITION PLAN**
 SCALE: 1/2"=1'-0"



C3 ADMIN BUILDING TUNNEL NEW PIPING SECTION
 SCALE: 1/2"=1'-0"



**A1 ADMIN BUILDING TUNNEL PIPING
 DEMOLITION PLAN**
 SCALE: 1/2"=1'-0"



A3 ADMIN BUILDING TUNNEL NEW PIPING PLAN
 SCALE: 1/2"=1'-0"

- SHEET NOTES:**
- 1 PROVIDE DRIP LEG AND TRAP. SEE DETAIL ON SHEET ME501.
 - 2 PROVIDE MANUAL AIR VENTS AT HIGH POINTS IN PIPING.
 - 3 REMOVE EXISTING STEAM AND CONDENSATE PIPING AS SHOWN. COORDINATE SHUTDOWNS WITH OWNER.
 - 4 REMOVE EXISTING CHILLED WATER PIPING TO APPROXIMATE LOCATIONS SHOWN.
 - 5 RE-CONNECT TO EXISTING PIPING WHERE SHOWN.
 - 6 EXISTING BUTTERFLY VALVES, (INSTALLED IN PREVIOUS CONTRACT) SHALL REMAIN.
 - 7 REMOVE DOMESTIC WATER FIRE LINE IN TUNNEL AS SHOWN. COORDINATE WITH CIVIL SITE UTILITY CONTRACTOR TO REMOVE BURIED WATER LINE TO HYDRANTS.
 - 8 REMOVE EXISTING VALVES THAT WERE INSTALLED IN PREVIOUS CONTRACT.

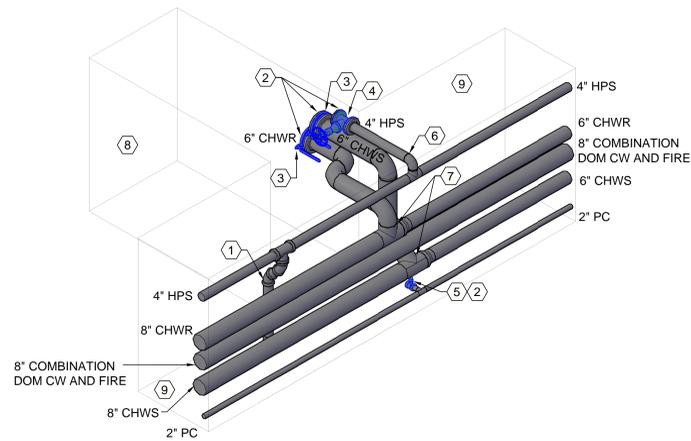
- GENERAL NOTE:**
1. FIELD VERIFY EXACT LOCATION, DIMENSION, ETC. PRIOR TO ORDERING OR FABRICATING ANY PIPING.
 2. HIGH PRESSURE STEAM SHALL BE SCHEDULE 80 BLACK STEEL WITH WELDED AND FLANGED FITTINGS. SEE SPECIFICATIONS.
 3. PUMPED CONDENSATE SHALL BE SCHEDULE 80 STEEL WITH THREADED FITTINGS. SEE SPECIFICATIONS.
 4. CHILLED WATER PIPING SHALL BE SCHEDULE 40 STEEL WITH WELDED AND FLANGED FITTINGS. SEE SPECIFICATIONS.
 5. COORDINATE EXACT PIPING LOCATION AND ROUTING WITH ALL OTHER PLANS, DISCIPLINES, FIELD CONDITIONS, ETC.

MARK	DATE	DESCRIPTION

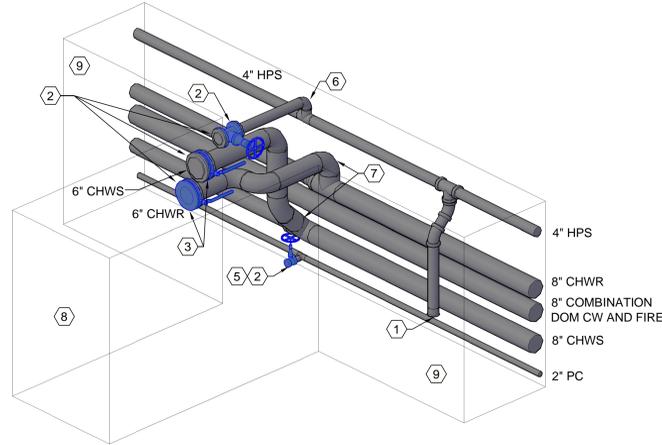
DATE: 16 MARCH 2007
 PROJECT NO: 06163660
 HFSA PROJECT NO: 0647.01
 CAD DWG FILE NO:
 DRAWN BY: RB
 CHECKED BY: SW
 DESIGNED BY: WP
 DWG TYPE: MECHANICAL
 ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

**LARGE SCALE PIPING
 PLANS, SECTIONS,
 AND ISOMETRICS**

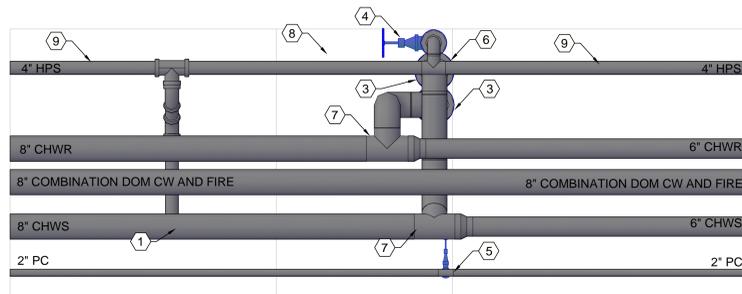
ME402
 SHEET 21 OF 27



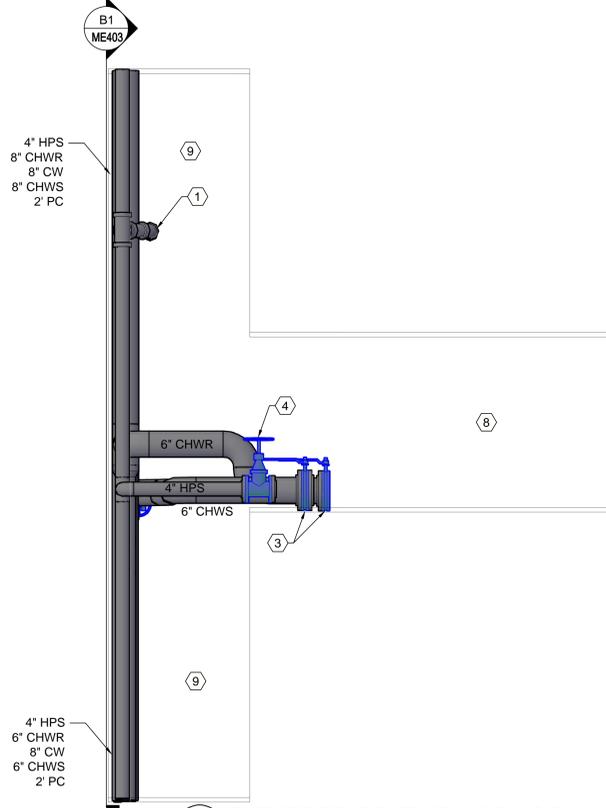
D1 FUTURE STUBOUT PIPING LOOKING SOUTH EAST ISOMETRIC
SCALE: NONE



D3 FUTURE STUBOUT PIPING LOOKING SOUTH WEST ISOMETRIC
SCALE: NONE



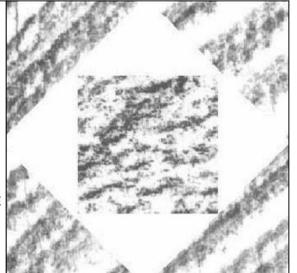
B1 FUTURE STUBOUT NEW PIPING SECTION LOOKING EAST
SCALE: 1/2" = 1'-0"



A3 FUTURE STUBOUT NEW PIPING PLAN
SCALE: 1/2" = 1'-0"

- SHEET NOTES:**
- ① PROVIDE DRIP LEG AND TRAP. SEE DETAIL D3 ON ME501.
 - ② PROVIDE STUB-OUTS WITH ISOLATION VALVES AND BLIND FLANGE FOR FUTURE CONNECTION. PIPING 2" AND UNDER SHALL BE PROVIDED WITH CAP.
 - ③ NEW 6" BUTTERFLY VALVES WITH BLIND FLANGES ON CHWS AND CHWR.
 - ④ NEW 4"-150# FLANGED GATE VALVE WITH BLIND FLANGE ON HPS.
 - ⑤ NEW 2" PC - 3 PEICE BALL VALVE WITH OUTLET NIPPLE AND CAP.
 - ⑥ ALL STEAM TAKE-OFFS SHALL BE FROM THE TOP OR AT A 45° FROM TOP OF TRUNK PIPING.
 - ⑦ CHILLED WATER TAKE-OFFS SHALL BE FROM THE TOP, SIDE, OR AT A 45° FROM TOP OF TRUNK PIPING.
 - ⑧ TUNNEL STUB-OUT SEE ARCHITECTURAL TUNNEL DRAWINGS.
 - ⑨ MAIN TUNNEL. SEE ARCHITETURAL TUNNEL DRAWINGS.

- GENERAL NOTE:**
1. FIELD VERIFY EXACT LOCATION, DIMENSION, ETC. PRIOR TO ORDERING OR FABRICATING ANY PIPING.
 2. HIGH PRESSURE STEAM SHALL BE SCHEDULE 80 BLACK STEEL WITH WELDED AND FLANGED FITTINGS. SEE SPECIFICATIONS.
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**UTILITY TUNNEL
EXPANSION
REDWOOD ROAD CAMPUS**

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS
SALT LAKE CITY, UTAH

MARK	DATE	DESCRIPTION

DATE:	16 MARCH 2007
PROJECT NO:	06163660
HFS PROJECT NO:	0647.01
CAD DWG FILE NO:	
DRAWN BY:	RB
CHECKED BY:	SW
DESIGNED BY:	WP
DWG TYPE:	MECHANICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE
**LARGE SCALE PIPING
PLANS, SECTIONS,
AND ISOMETRICS**

ME403
SHEET 22 OF 27

Electrical Addendum No. 1

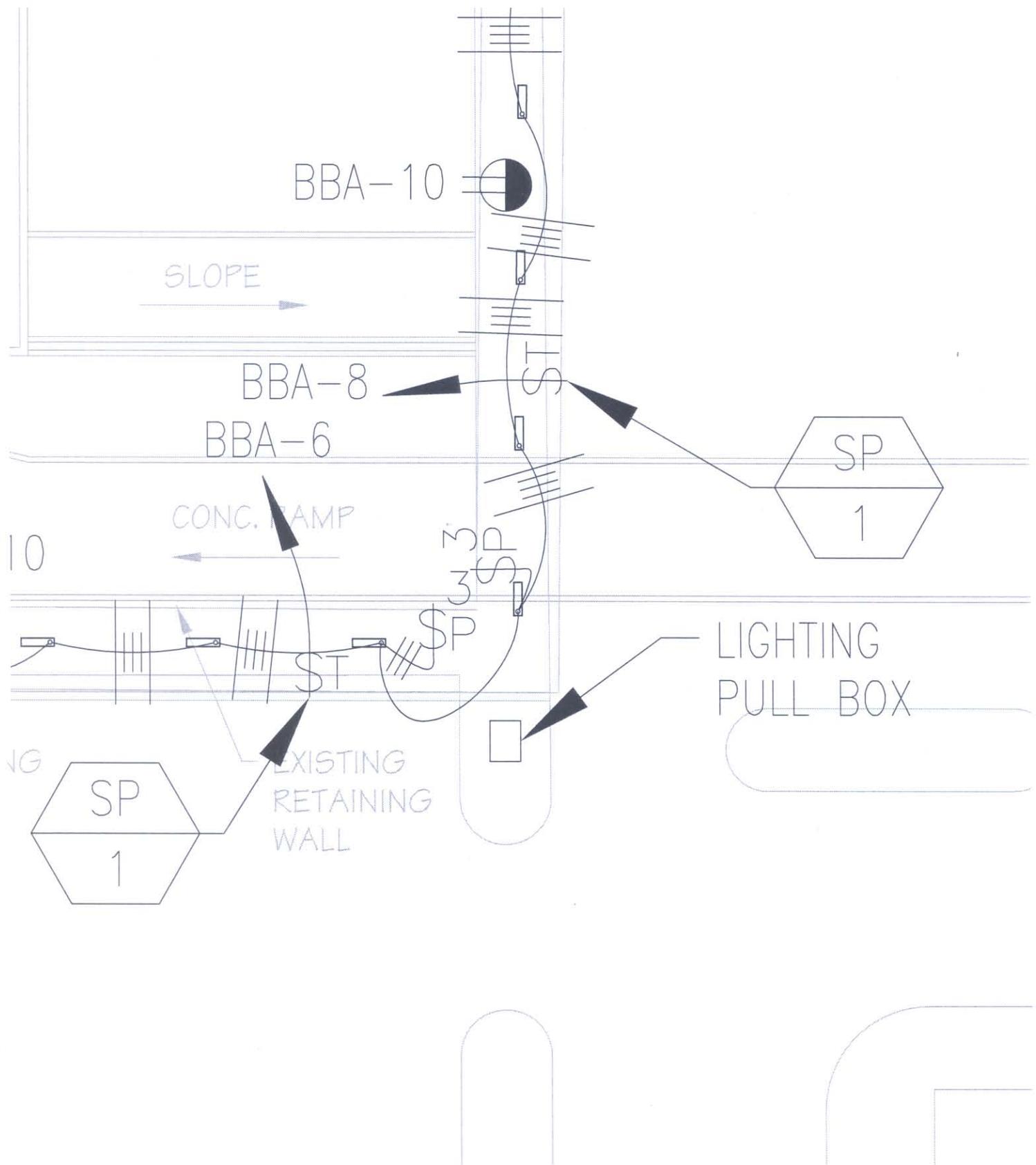
Utility Tunnel Expansion – Redwood Road Campus

The following is a description of changes to the electrical bid documents.

Sheet E100

Electrical Plan

1. The electrical contractor shall locate and protect the four (4) conduits that route through the lighting pull box (see attached drawing ESD-1). The two circuits that route through the box shall be maintained during the duration of the project. Contractor shall provide all necessary materials and labor.



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UTILITY TUNNEL EXPANSION

SCALE 1/16" = 1'-0"		DATE 04/26/2007
DRAWN BNA	CHECKED RW	SHEET NUMBER
JOB NUMBER 07015A		ESD-1
REF. SHEET NUMBER E100		