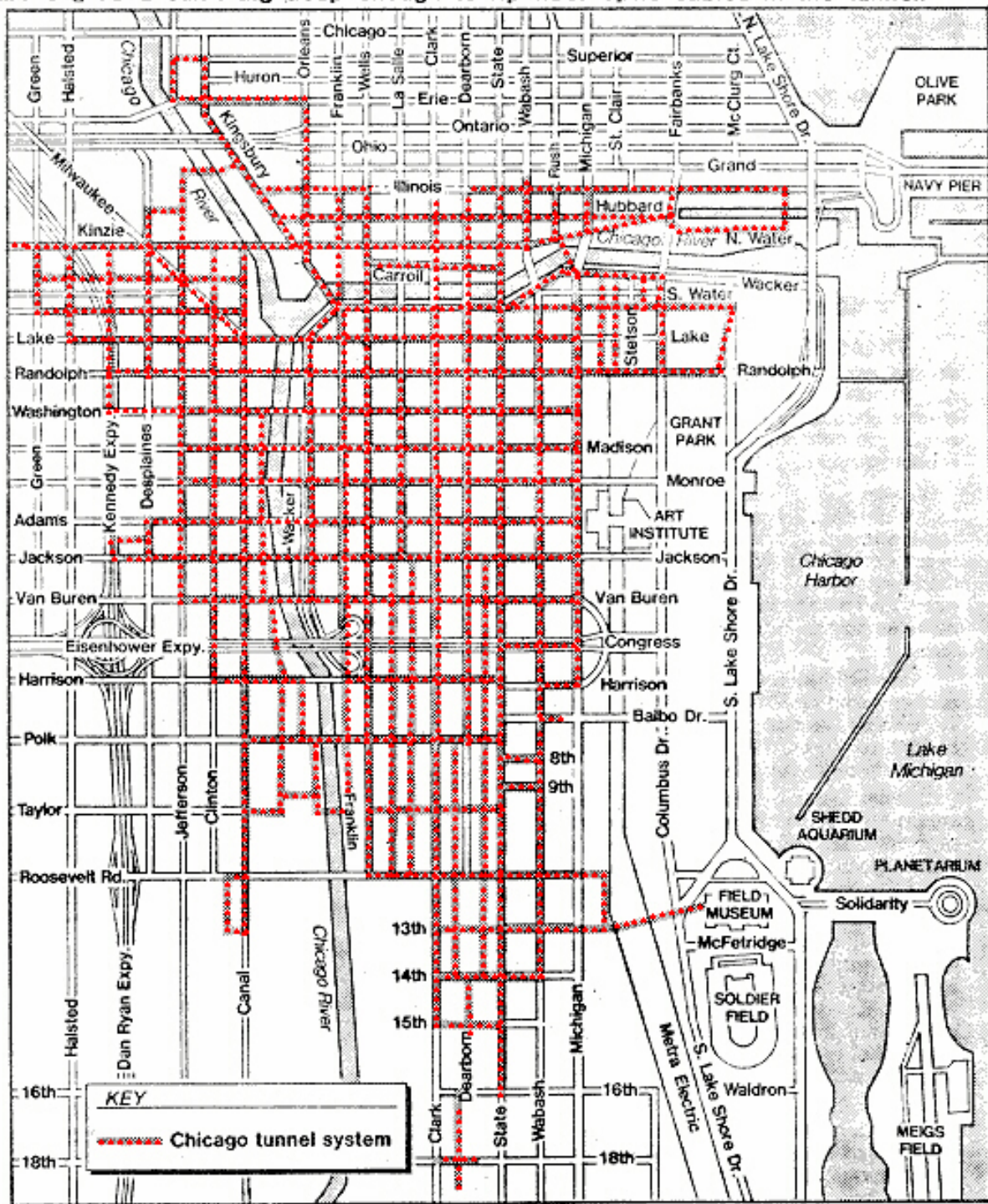


DPU Underground





KEY
 Chicago tunnel system





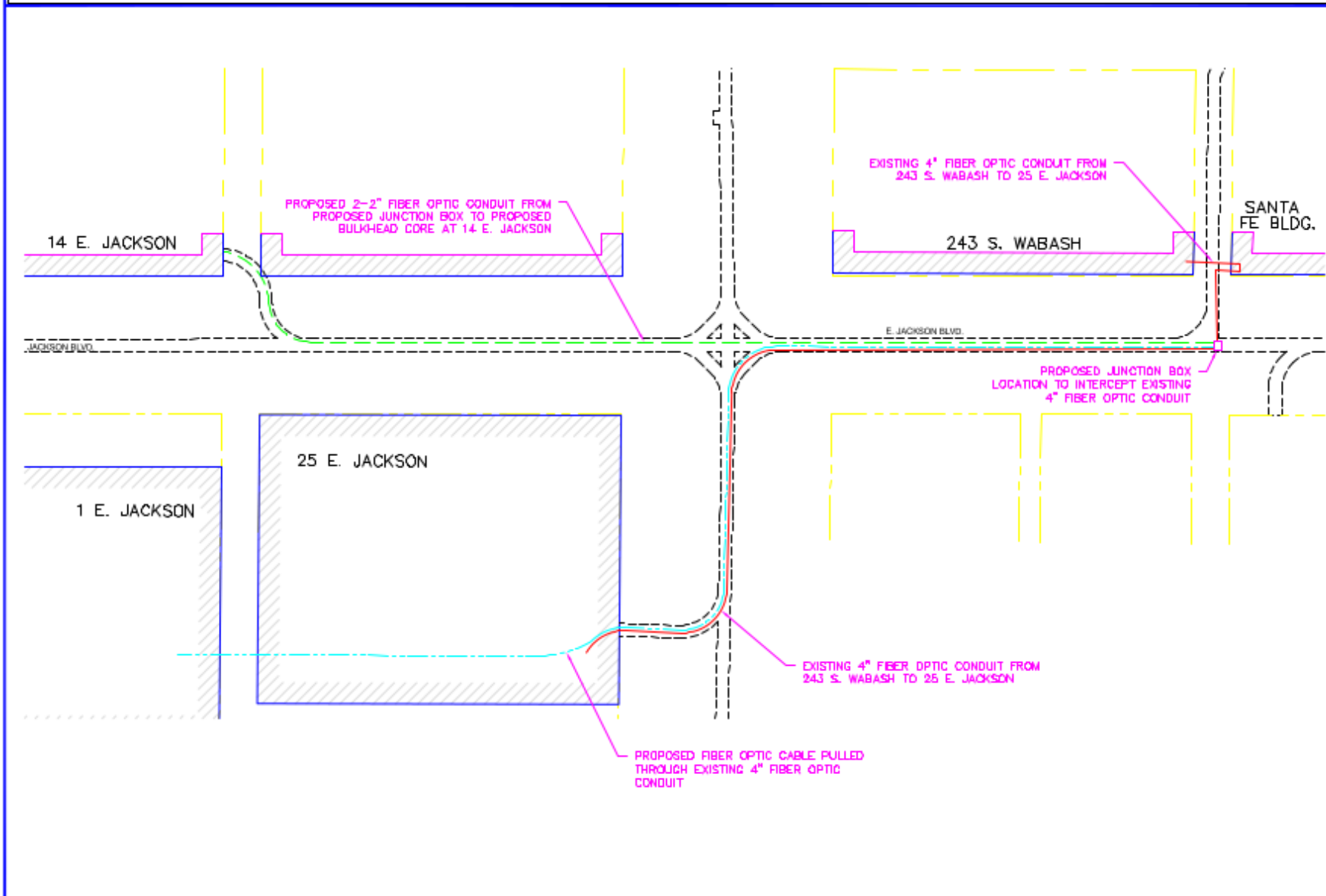
N LA SALLE ST

WASHINGTON ST









SEGMENT: **08-365**

ENGINEER:



321 WEST VAN BUREN STREET, SUITE 800
CHICAGO, ILLINOIS 60607
STATE OF ILLINOIS DEPARTMENT
OF PROFESSIONAL REGULATION
LICENSE NO. 0840288

OWNER/DEVELOPER:



DEPAUL

CONTRACTOR:

TITLE:
DEPAUL UNIVERSITY
FIBER OPTIC CONNECTION
1 E. JACKSON
CHICAGO, ILLINOIS

REVISIONS

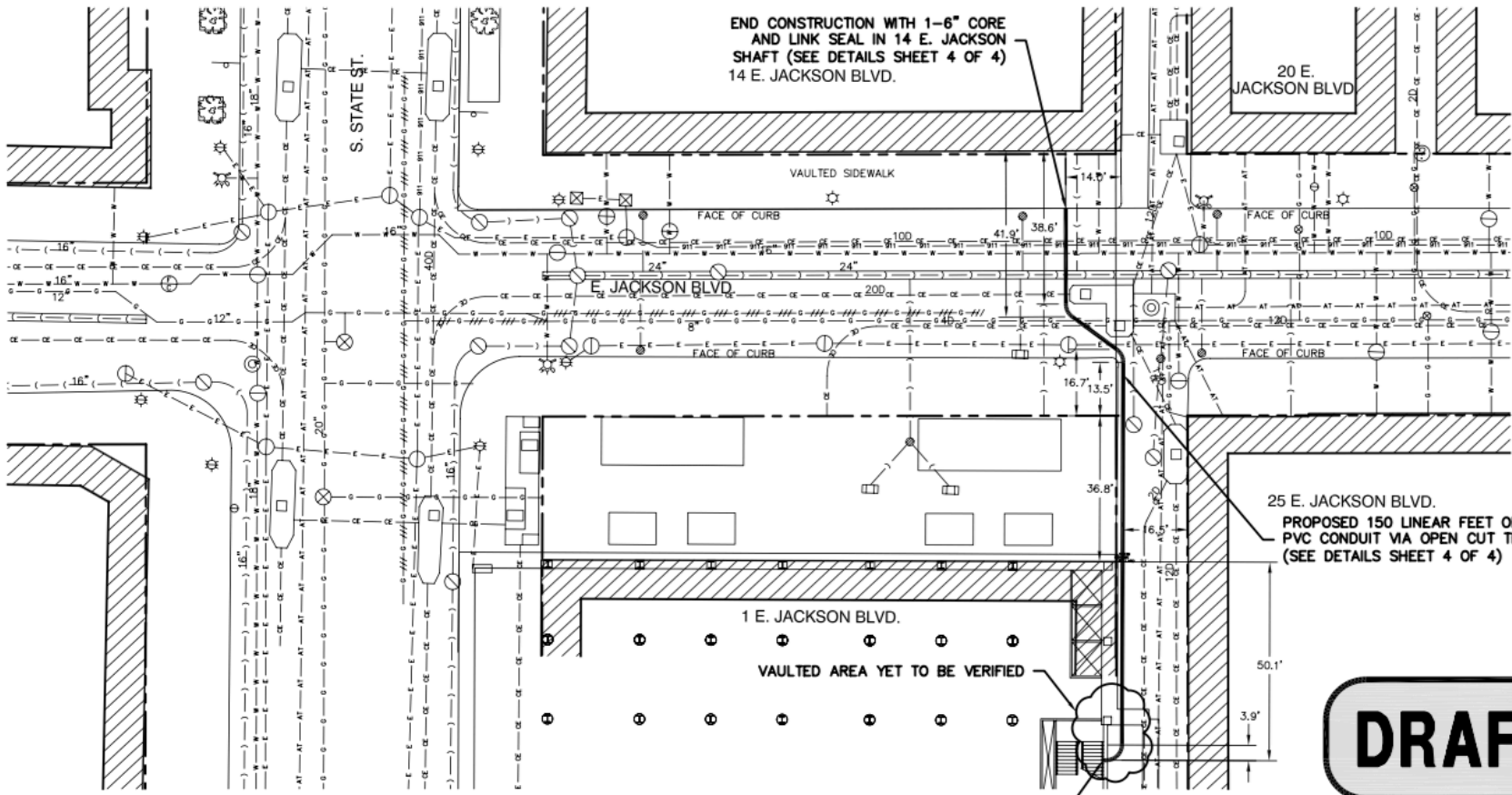
REV	DATE	DESCRIPTION	BY
01	10/09/08	FOR DEPAUL REVIEW	MCT
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DRAWN BY:	CHECKED BY:	APPROVED BY:
MCT	MCT	ERB

PROJECT NUMBER:	08-365
DWG NUMBER:	08365
DATE REVISION:	10-09-08
SCALE:	N.T.S.

PROJECT PLAN VIEW

PROJECT MANAGER: MICHAEL C. TEDESCHI



DRAFT

NOTES:

THE UNDERGROUND UTILITY LOCATIONS SHOWN ON THIS PLAN WERE DERIVED FROM DRAWINGS PROVIDED BY THE CHICAGO DEPARTMENT OF TRANSPORTATION - OFFICE OF UNDERGROUND'S UTILITY SEARCH PROCEDURE. EXISTING FACILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION. "DIGGER" IS TO BE NOTIFIED 48 HOURS PRIOR TO THE START OF ANY WORK ON THIS PROJECT. (312-744-7000)

CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT, SEWER SECTION IS TO BE NOTIFIED 48 HOURS PRIOR TO THE START OF CONSTRUCTION AT (312) 747-7047.

AN EIGHTEEN (18) INCH MINIMUM VERTICAL SEPARATION AND A THREE (3) FOOT MINIMUM

HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN ALL PROPOSED CONDUIT INSTALLATIONS AND ALL EXISTING WATER MAINS.

RESTORATION TO BE IN COMPLIANCE WITH DEPARTMENT OF TRANSPORTATION STANDARDS.

CONTRACTOR IS CAUTIONED TO PROTECT SEWER MANHOLES, CATCH BASINS, LATERALS AND INLETS. A FOUR (4) FOOT MINIMUM HORIZONTAL SEPARATION AND A TWO (2) FOOT MINIMUM VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN ALL PROPOSED CONDUIT INSTALLATIONS AND EXISTING SEWER MANHOLES, CATCH BASINS, LATERALS AND INLETS.

CONTRACTOR WILL PROVIDE BARRICADING TO INSURE CORRECT TRAFFIC CONTROL PER THE CHICAGO DEPARTMENT OF TRANSPORTATION, REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY WHILE MAINTAINING VEHICULAR TRAFFIC AT ALL TIMES.

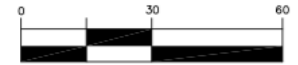
THE EXISTING ABOVE GROUND UTILITY STRUCTURES AND IMPROVEMENTS SHOWN ON THESE DRAWINGS WERE FIELD LOCATED BY HBK ENGINEERING, LLC UTILIZING CONVENTIONAL (TOTAL STATION) DATA COLLECTION METHODS, DURING THE WEEK OF SEPTEMBER 19, 2008.



PROFESSIONAL ENGINEER
EXPIRES 11-30-2009

SIGNATURE

DATE



1 inch = 30 ft.



SEGMENT: **DP-ST-1**

ENGINEER:

hbk
ENGINEERING

921 WEST VAN BUREN STREET, SUITE 109
CHICAGO, ILLINOIS 60607
STATE OF ILLINOIS DEPARTMENT
OF PROFESSIONAL REGULATION.
LICENSE NO. 084-00288

OWNER/DEVELOPER:

DePAUL

CONTRACTOR:

TITLE:
**DEPAUL UNIVERSITY
FIBER OPTIC CONNECTION
1 E. JACKSON
CHICAGO, ILLINOIS**

REVISIONS

REV	DATE	DESCRIPTION	BY
01	11-07-08	FOR DEPAUL REVIEW	MCT
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DRAWN BY:	CHECKED BY:	APPROVED BY:
MCT	ERB	DNK

PROJECT NUMBER:	08-365
FILE NUMBER:	08365
DATE DRAWN:	10-09-08
SCALE:	1"=30'

SHEET: **3 OF 4**

Permit # 964195335

AMENDED



Received Date: May 21, 2009 5:6:25

**DEPAUL UNIVERSITY
25 E. JACKSON BLVD.
CHICAGO, IL 60604**

**City of Chicago
Department of Transportation
(312) 744-4652**

JAMES KOHL 312-362-8682

ACTIVITY HOURS

See **RESTRICTIONS** for permitted hours

DATES

May 21, 2009 through Nov 30, 2009

ACTIVITIES

Freight Tunnel:

CONDUIT INSTALLATION will be performed in the Freight Tunnel for 40 Day(s).

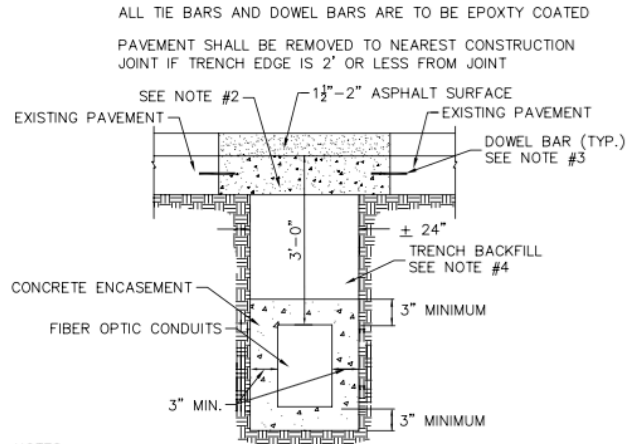
1 - 42 E JACKSON BV

PERMISSION TO: ACCESS THE CHICAGO FREIGHT TUNNEL SYSTEM
TO PERFORM CONDUIT INSTALLATION..

THE BORE LOCATIONS ARE DESCRIBED IN EXHIBIT B OF THE
CHICAGO FREIGHT TUNNEL CONSTRUCTION AND MAINTENANCE
AGREEMENT.

THE WORK IS TO BE PERFORMED BY: REX ELECTRIC. HBK
ENGINEERING.

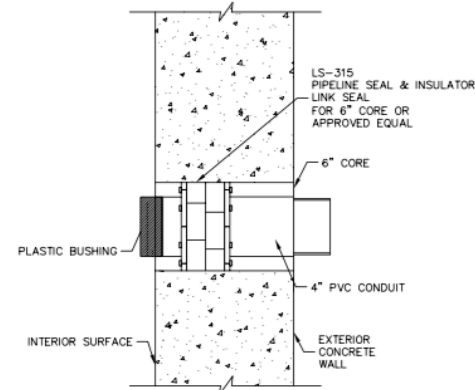
RESTRICTIONS: THIS PERMIT IS ISSUED PURSUANT TO AND IS
SUBJECT TO ALL CONDITIONS AND REQUIREMENTS TO THE CHICAGO
FREIGHT TUNNEL CONSTRUCTION AND MAINTENANCE AGREEMENT
BETWEEN THE PERMITTEE AND THE CITY OF CHICAGO.



- NOTES:
1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 9 OR MORE INCHES FOR CONCRETE STREETS. THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING 1' OVERLAP) AND FINISHED.
 2. ALL EXISTING PAVEMENTS SHALL BE CUT 1' EITHER SIDE OF TRENCH OR PAVEMENT OPENING. UNDERMINED PAVEMENT, OR DISTURBED SOIL MUST BE REMOVED AND PROPERLY RESTORED PER CITY OF CHICAGO SPECIFICATIONS.
 3. ALL ARTERIAL STREET PAVEMENTS WHICH HAVE BEEN RECONSTRUCTED IN THE LAST SEVEN YEARS WILL REQUIRE PLACEMENT OF #5 DOWEL BARS, 18" LONG, DRILLED AND GROUTED (NON-SHRINK) AT 30" CENTERS ON ALL SIDES. A MINIMUM OF TWO DOWEL BARS WILL BE REQUIRED ON EACH SIDE OF THE SAW CUT BOUNDARIES.
 4. ALL TRENCH BACKFILL MATERIAL AND PROCEDURES FOR PLACEMENT MUST ADHERE TO THE REQUIREMENTS OUTLINED IN CHAPTER 5 OF THE "CHICAGO DEPARTMENT OF TRANSPORTATION REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY," LATEST EDITION.

PROJECT TRENCHING DETAIL

DRAFT



EXTERIOR WALL PENETRATION DETAIL



PROFESSIONAL ENGINEER
EXPIRES 11-30-2009

SIGNATURE

DATE

SEGMENT: **DP-ST-1**

ENGINEER:

921 WEST VAN BUREN STREET, SUITE 100
CHICAGO, ILLINOIS 60607
STATE OF ILLINOIS DEPARTMENT
OF PROFESSIONAL REGULATION.
LICENSE NO. 184-002308

OWNER/DEVELOPER:

DEPAUL

CONTRACTOR:

TITLE:
**DEPAUL UNIVERSITY
FIBER OPTIC CONNECTION
1 E. JACKSON
CHICAGO, ILLINOIS**

REVISIONS			
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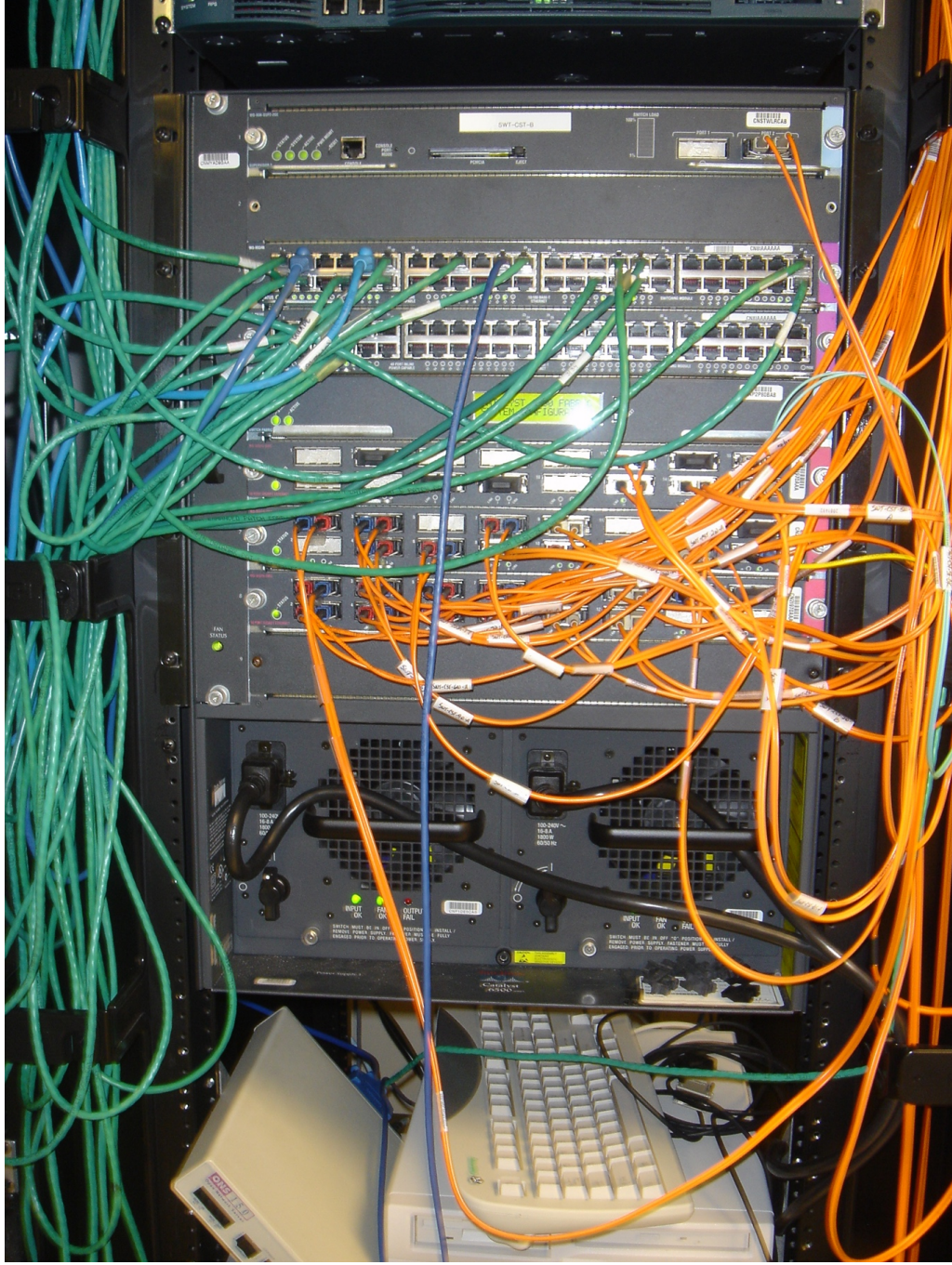
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MCT	ERB	DNK

PROJECT NUMBER:	08-365
FILE NUMBER:	08365
DATE DRAWN:	10-09-08
SCALE:	N.T.S.

SHEET: **4 OF 4**

Before we go...







DePaul WAN Service Rack

1000-100 Gigabit Ethernet Extender

MODEL 1000

TRACEROUTE 2000

AS5300

Cisco AS5300

MODEL 1000

1000-100 Gigabit Ethernet Extender

Ameritech

Fiber Optic Shelf

Lucent