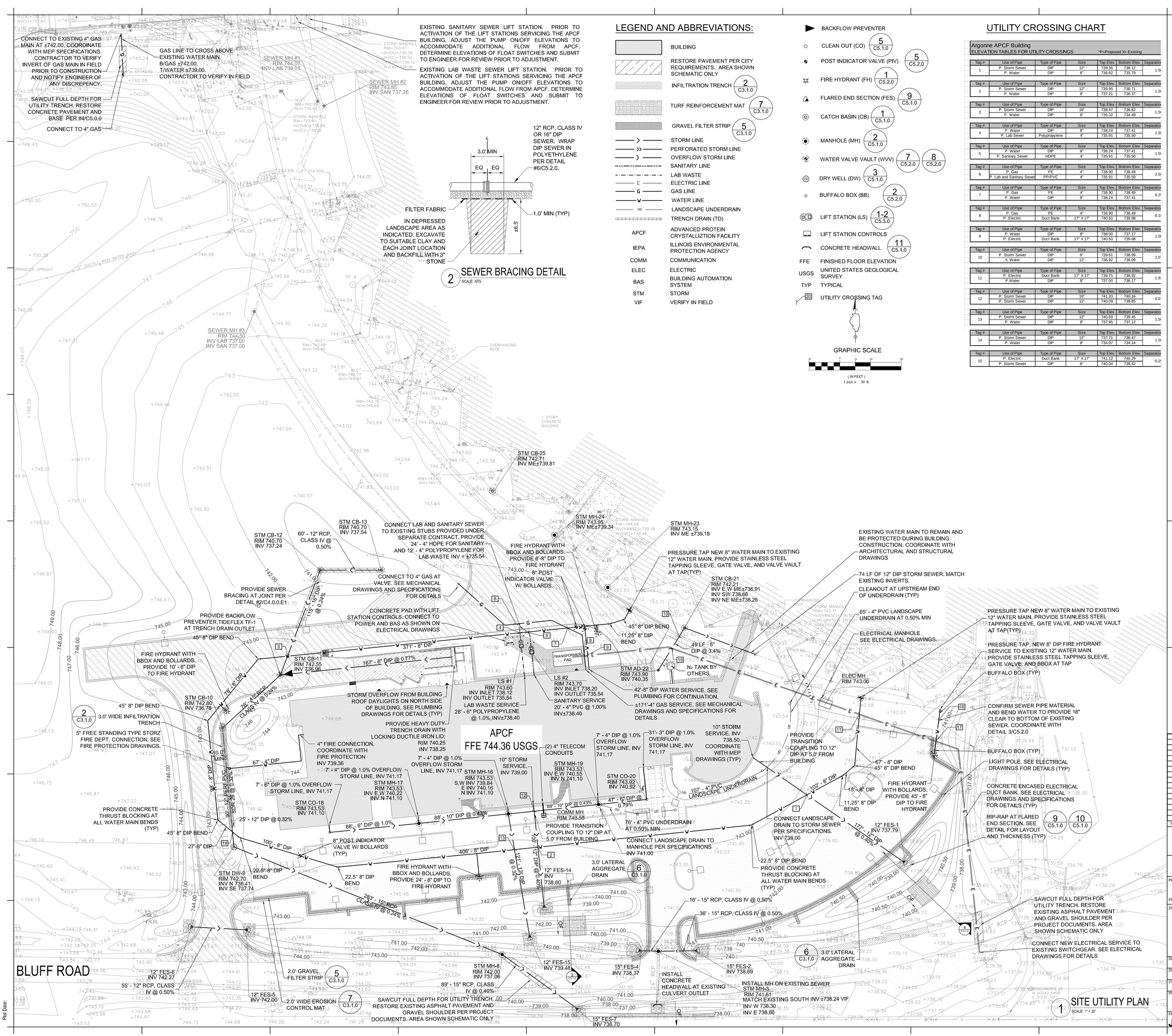

EXISTING SANITARY SEWER LIFT STATION. PRIOR TO ACTIVATION OF THE LIFT STATIONS SERVICING THE APCF BUILDING, ADJUST THE PUMP ON/OFF ELEVATIONS TO ACCOMMODATE ADDITIONAL FLOW FROM APCF. DETERMINE ELEVATIONS OF FLOAT SWITCHES AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO ADJUSTMENT.

EXISTING LAB WASTE SEWER LIFT STATION. PRIOR TO ACTIVATION OF THE LIFT STATIONS SERVICING THE APCF BUILDING, ADJUST THE PUMP ON/OFF ELEVATIONS TO ACCOMMODATE ADDITIONAL FLOW FROM APCF. DETERMINE ELEVATIONS OF FLOAT SWITCHES AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO ADJUSTMENT.

2 SEWER BRACING DETAIL
SCALE: NTS

LEGEND AND ABBREVIATIONS:

- BUILDING
- RESTORE PAVEMENT PER CITY REQUIREMENTS. AREA SHOWN SCHEMATIC ONLY
- INFILTRATION TRENCH (2 / C3.1.0)
- TURF REINFORCEMENT MAT (7 / C3.1.0)
- GRAVEL FILTER STRIP (5 / C3.1.0)
- STORM LINE
- PERFORATED STORM LINE
- OVERFLOW STORM LINE
- SANITARY LINE
- LAB WASTE
- ELECTRIC LINE
- GAS LINE
- WATER LINE
- LANDSCAPE UNDERDRAIN
- TRENCH DRAIN (TD)
- APCF — ADVANCED PROTEIN CRYSTALLIZTION FACILITY
- IEPA — ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
- COMM — COMMUNICATION
- ELEC — ELECTRIC
- BAS — BUILDING AUTOMATION SYSTEM
- STM — STORM
- VIF — VERIFY IN FIELD
- BACKFLOW PREVENTER
- CLEAN OUT (CO) (5 / C5.1.0)
- POST INDICATOR VALVE (PIV) (5 / C5.2.0)
- FIRE HYDRANT (FH) (1 / C5.2.0)
- FLARED END SECTION (FES) (9 / C5.1.0)
- CATCH BASIN (CB) (1 / C5.1.0)
- MANHOLE (MH) (2 / C5.1.0)
- WATER VALVE VAULT (WVV) (7 / C5.2.0) (8 / C5.2.0)
- DRY WELL (DW) (3 / C5.1.0)
- BUFFALO BOX (BB) (2 / C5.2.0)
- LIFT STATION (LS) (1-2 / C5.3.0)
- LIFT STATION CONTROLS
- CONCRETE HEADWALL (11 / C5.1.0)
- FFE — FINISHED FLOOR ELEVATION
- USGS — UNITED STATES GEOLOGICAL SURVEY
- TYP — TYPICAL
- 20 — UTILITY CROSSING TAG

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

UTILITY CROSSING CHART

Argonne APCF Building
ELEVATION TABLES FOR UTILITY CROSSINGS *P=Proposed X= Existing

Tag #	Use of Pipe	Type of Pipe	Size	Top Elev.	Bottom Elev.	Separatio
1	P. Storm Sewer	DIP	12"	739.36	738.12	1.5
	P. Water	DIP	8"	736.62	735.79	
2	P. Storm Sewer	DIP	12"	739.95	738.71	1.5
	P. Water	DIP	8"	737.21	736.37	
3	P. Storm Sewer	DIP	16"	738.47	736.82	1.5
	P. Water	DIP	8"	735.32	734.49	
4	P. Water	DIP	8"	738.24	737.41	1.5
	P. Lab Sewer	Polypropylene	4"	735.91	735.50	
5	P. Water	DIP	8"	738.24	737.41	1.5
	P. Sanitary Sewer	HDPE	4"	735.91	735.50	
6	P. Gas	PE	4"	738.90	738.49	2.5
	P. Lab and Sanitary Sewer	PP/PVC	4"	735.91	735.50	
7	P. Gas	PE	4"	738.90	738.49	0.2
	P. Water	DIP	8"	738.24	737.41	
8	P. Gas	PE	4"	738.90	738.49	0.1
	P. Electric	Duct Bank	17" X 17"	740.50	739.08	
9	P. Water	DIP	8"	738.00	737.17	1.0
	P. Electric	Duct Bank	17" X 17"	740.50	739.08	
10	P. Storm Sewer	DIP	6"	739.61	738.99	2.0
	X. Water	DIP	12"	736.92	736.09	
11	P. Electric	Duct Bank	17" X 17"	739.75	738.92	1.9
	P.Water	DIP	8"	737.00	736.17	
12	P. Storm Sewer	DIP	10"	741.20	740.16	0.0
	P. Storm Sewer	DIP	12"	740.09	738.85	
13	P. Storm Sewer	DIP	12"	740.69	739.45	1.5
	P. Water	DIP	8"	737.95	737.12	
14	P. Storm Sewer	DIP	12"	737.71	736.47	1.5
	P. Water	DIP	8"	734.97	734.14	
15	P. Electric	Duct Bank	17" X 17"	741.12	740.29	0.2
	P. Storm Sewer	DIP	6"	740.04	739.42	

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SEALS AND SIGNATURES

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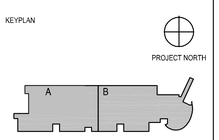
062-047537
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

KEYPLAN



REV. NO.	DESCRIPTION	BY	APVD	DATE
0	ISSUED FOR CONSTRUCTION			07/03/12

Argonne NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO: 22378.000

DRAWING TITLE: SITE UTILITY PLAN

DESIGNED KM	A/E CADD FILE	FACILITY NO(S)
DRAWN AC/CM	A/E DWG. NO.	
CHECKED KS	CAD NO.	
PROJECT MANAGER ANL - JESSE ADAMS DATE - 07.03.2012	DWG STATE	
	BIND ORDER	
FACILITY DOCUMENT NUMBER J446-101-W-C4.0.0.E1		REV. NO.

1 SITE UTILITY PLAN
SCALE: 1" = 30'

Plot Date: