F09-12-11-020-001

GREENE COUNTY, PENNSYLVANIA
MONONGALIA COUNTY, WEST VIRGINIA

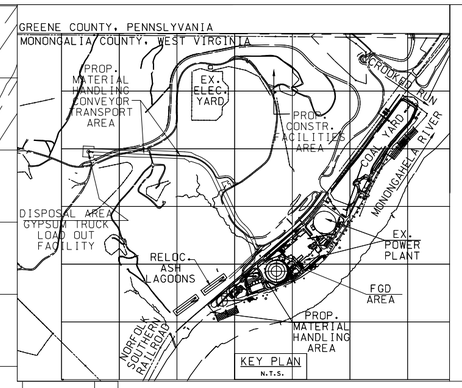
STATE PLANE TRUNCATED PLANT NORTH

E 5250 E 5500 E 5750 E 6000 E 6250 E 6500 E 6750 E 7000 E 7250 E 7500 E 7750 E 8000 E 8250 E 8500 E 8750 E 9000 E 9250 E 9500 E 9750 E 10000 E 10250 E 10500
E 1,845,250 E 1,845,500 E 1,845,750 E 1,846,000 E 1,846,250 E 1,846,500 E 1,846,750 E 1,847,000 E 1,847,250 E 1,847,500 E 1,847,750 E 1,848,000 E 1,848,250 E 1,848,500 E 1,848,750 E 1,849,000 E 1,849,250 E 1,849,500 E 1,849,750 E 1,850,000 E 1,850,250 E 1,850,500

N 14750 N 444,750
N 14500 N 444,500
N 14250 N 444,250
N 14000 N 444,000
N13,750 N 443,750
N 13500 N 443,500
N 443,250 N 13250
N 13000 N 443,000
N 12500 N 442,500
N 12250 N 442,250
N 12000 N 442,000
N 11750 N 441,750
N 11500 N 441,500
N11,250 N 441,250
N11,000 N 441,000
N 10750 N 440,750
N 10500 N 440,500
N 10250 N 440,250
N 10000 N 440,000
N 9750 N 439,750
N 9500 N 439,500
N 9250 N 439,250
N 9000 N 439,000
N 8750 N 438,750
N 8500 N 438,500

E 4750 E 1,844,750

PROPOSED CONSTRUCTION PARKING
CONSTRUCTION OFFICES (9) 12'X60'
CONSTRUCTION PARKING
PROPOSED BASIN
WAREHOUSE 100'X100'
EXISTING ELECTRICAL YARD
FENCED CABLE STORAGE AREA
CONSTRUCTION FACILITIES AREA
WATER TANK
MATERIAL HANDLING CONVEYOR TRANSPORT & DRIVE
GYPSUM PIPE CONVEYOR (PC)
DISPOSAL AREA GYPSUM TRUCK LOAD OUT FACILITY
EMPTY LIMESTONE BARGES
EX. COAL PILE AREA
EX. COOLING TOWER
EX. POWER PLANT
MONONGAHELA RIVER
WATER & WASTE WATER TREATMENT AREA
ID FANS AREA
RELOCATED ASH LAGOONS AREA
FLUE GAS DESULFERIZATION AREA
STACK
BASIN
REAGENT PREPARATION BUILDING
MATERIAL HANDLING UNLOADING AREA
LIMESTONE PILE
RAILROAD PROPERTY LINE
NORFOLK SOUTHERN RAILROAD
W.E.



STATE PLANE TRUNCATED PLANT NORTH

DRAWING LIST

F09-12-11-020-001	1"=200'	SITE PLAN
F09-12-11-060-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-061-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-062-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-063-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-064-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-065-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-066-001	1"=30'	EROSION AND SEDIMENT CONTROL PLAN
F09-12-11-069-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-070-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-071-001	AS NOTED	EROSION AND SEDIMENT CONTROL DETAILS
F09-12-11-090-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-091-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-092-001	1"=30'	HORIZONTAL LAYOUT PLAN
F09-12-11-093-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-094-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-095-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-096-001	1"=50'	HORIZONTAL LAYOUT PLAN
F09-12-11-100-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-101-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-102-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-103-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-104-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-105-001	1"=50'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-106-001	1"=30'	SITE PREP GRADING & DRAINAGE PLAN
F09-12-11-108-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL PLAN
F09-12-11-108-002	1"=40'	FGD FAB AREA FOUNDATION LOCATION PLAN
F09-12-11-109-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL PLAN
F09-12-11-110-001	1"=40'	FGD FAB AREA EROSION & SEDIMENT CONTROL NOTES
F09-12-11-111-001	N/A	FGD FAB AREA EROSION & SEDIMENT CONTROL DETIALS
F09-12-11-112-001	1"=40'	FGD FAB AREA SURFACING PLAN
F09-12-11-113-001	1"=40'	FGD FAB AREA SURFACING PLAN
F09-12-11-114-001	1"=200'	PRE-DEVELOPMENT DRAINAGE AREA PLAN
F09-12-11-115-001	1"=200'	POST-DEVELOPMENT MATL. HANDLING CONVEYOR ROUTING
F09-12-11-116-001	1"=60'	PRE-DEVELOPMENT PLAN CONSTRUCTION FACILITIES AREA
F09-12-11-116-002	1"=60'	POST-DEVELOPMENT PLAN CONSTRUCTION FACILITIES AREA
F09-12-11-117-001	1"=100'	PRE-DEVELOPMENT MATERIAL HANDLING AREA
F09-12-11-117-002	1"=100'	POST-DEVELOPMENT MATERIAL HANDLING AREA
F09-12-11-120-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-121-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-122-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-123-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-124-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-125-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-126-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-127-001	1"=30'	FINAL GRADING AND DRAINAGE PLAN
F09-12-11-135-001	1"=50'	ROAD PROFILE MATL. HANDLING CONVEYOR ACCESS ROAD
F09-12-11-140-001	1"=30'	SURFACING PLAN
F09-12-11-141-001	1"=30'	SURFACING PLAN
F09-12-11-142-001	1"=30'	SURFACING PLAN
F09-12-11-143-001	1"=50'	SURFACING PLAN
F09-12-11-144-001	1"=50'	SURFACING PLAN
F09-12-11-145-001	1"=50'	SURFACING PLAN
F09-12-11-146-001	1"=50'	SURFACING PLAN
F09-12-11-210-001	AS NOTED	FENCING DETAILS
F09-12-11-220-001	AS NOTED	MISCELLANEOUS DETAILS
F09-12-11-221-001	AS NOTED	MISCELLANEOUS DETAILS
F09-12-11-320-001	AS NOTED	RAILROAD CROSSING PLAN AND DETAILS
F09-12-11-321-001	AS NOTED	RAILROAD CROSSING PROFILE & SECTIONS
F09-12-11-323-001	AS NOTED	RAILROAD CROSSING DRAINAGE PLAN

GENERAL NOTES

1. THE SURVEY & TOPOGRAPHIC INFORMATION WAS PROVIDED BY ALLEGHENY ENERGY SUPPLY. SURVEY PERFORMED BY GAI CONLSULTANTS' PITTSBURGH OFFICE DRAWING D-F013 SHEETS 1-7 OF 7 DATED 07/17/2006. HORIZONTAL DATUM BASED ON NORTH AMERICAN DATUM SPC WV NORTH ZONE 4701. VERTICAL DATUM IS BASED ON NAVD88.

2. THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN REPRESENT THE INFORMATION REASONABLY AVAILABLE WHEN THE PLAN WAS PREPARED. CONTRACTORS AND OTHER USERS OF THIS PLAN ARE RESPONSIBLE FOR VERIFICATION OF UNDERGROUND UTILITIES PRIOR TO DESIGN OR CONSTRUCTION WORK AT LOCATIONS SHOWN HEREON. OTHER UNDERGROUND UTILITIES MAY ALSO BE PRESENT ON SITE, BUT ARE NOT SHOWN ON THE PLANS THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PLANT FACILITIES, I.E. UTILITIES ETC. PRIOR TO AND DURING CONSTRUCTION.

3. NO BLASTING SHALL BE ALLOWED ON THIS PROJECT.

4. EXCAVATION WORK SHALL BE IN ACCORDANCE WITH ALL OSHA REGULATIONS. THE CONTRACTOR SHALL BE THE "ENGINEER OF RECORD" FOR THE DESIGN OF ALL DEWATERING AND SHORED AND OPEN EXCAVATIONS.

5. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, PENNSYLVANIA DEPARTMENT OF TRANSPORTATION AND THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

6. REFER TO PROJECT SPECIFICATIONS.

7. SUBSURFACE SOIL AND GEOLOGICAL INFORMATION INDICATED ON THESE PLANS IS BASED UPON EXISTING AVAILABLE MAPPING RECORDS AND ON-SITE TESTING. SUITABLE BORROW MATERIALS FOR FILL MAY BE OBTAINED IN THE OFF-SITE OR ON-SITE WITHIN THE AREA OF DISTURBANCE. AREAS WHERE SOFT OR UNSUITABLE MATERIAL IS DETECTED IN EXCAVATIONS SHALL BE BROUGHT TO THE ENGINEER OR GEOTECHNICAL PERSONNEL ATTENTION IMMEDIATELY. THE ENGINEER OR GEOTECHNICAL PERSONNEL SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE MATERIAL. SOIL EXCAVATION, REMOVAL OF SOILS AND PLACEMENT ASSUMPTION THAT SOILS AND ASSOCIATED MATERIALS ARE FREE OF CONTAMINATION AND HAZARDOUS SUBSTANCES.

8. EXCAVATIONS WITHIN SIX (6) FEET OF A ROADWAY SHALL BE PROTECTED WITH THE USE OF "JERSEY BARRIERS" BUTTED TOGETHER TO PROVIDE PERSONNEL PROTECTION.

9. CONTRACTOR TO VERIFY LOCATION OF TIE-IN WITH EXISTING DRIVES AND/OR ROADS DISCREPANCIES TO BE REPORTED AND ANY ADJUSTMENTS COORDINATED AND APPROVED BY THE ENGINEER.

10. THE CONTRACTOR IS TO USE CAUTION DURING EXCAVATION AND CONSTRUCTION SO AS NOT TO DISTURB EXISTING FOUNDATIONS.

11. REFER TO ALLEGHENY ENERGY SUPPLY FOR PROJECT SPECIFIC REQUIREMENTS FOR SAFETY AND CLEARANCE REQUIREMENTS.

12. EXCAVATION AND FILL SLOPE REQUIREMENTS ARE:
    FOR CUT: 1 : 2 IN ROCK
    FOR CUT: 2 : 1 IN OVERBURDEN
    FOR FILL: 2 : 1(MAX)

13. COORDINATES EQUALITY EQUATION.
    STATE PLANE TO PLANT COORDINATE CONVERSION TO PLANT SYSTEM
    EAST (STATE PLANE) -1,840,000 = EAST (PLANT)
    NORTH (STATE PLANE) -430,000 = NORTH (PLANT)

BENCHMARK: EXISTING PLANT COORDINATE SYSTEM DATUM NGVD 1929
CONVERSION FORMULA: (AS PROVIDED BY GAI)
PLANT DATUM (NGVD29) MINUS .36' = GAI DATUM (NAVD1988)

0 200' 400' 600'
SCALE: 1"=200'

CALL 48 HOURS BEFORE YOU DIG.

NOTIFICATION OF PROPOSED EXCAVATION, DEMOLITION OR ANY OTHER EARTH DISTURBING ACTIVITIES ARE REQUIRED TO BE PLACED TO MUWV NOT LESS THAN 48 BUSINESS HOURS BEFORE ANY SUCH WORK IS TO BEGIN. A NOTIFICATION MUST NOT BE MADE MORE THAN 10 BUSINESS WORKING DAYS IN ADVANCE OF THE BEGINNING OF ANY SUCH WORK DUE TO THE POSSIBLE DETERIORATION OF THE LOCATE MARKINGS. THE TIME REQUIREMENTS ARE EXCLUSIVE OF SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS.

REVISION APPROVAL RECORD						REV NO	DATE	REVISIONS	BY	CHKR
DISCIPLINE	BY	DATE	DISCIPLINE	BY	DATE	0	05-11-07	ISSUE FOR CONSTRUCTION	ZY	ERH
ARCH.			MECHANICAL			1	09-20-07	REVISED ARRANGEMENT	CT	ERH
CIVIL			NUCLEAR			2	01-04-08	REVISED ARRANGEMENT	CT	ERH
ELECTRICAL			PIPING			3	03-27-08	REVISED ARRANGEMENT	CT	ERH
ENVIRON.			PROCESS			4	05-06-09	ISSUED FOR BID PHASE I. SITE FINALIZATION SUBCONTRACT	AL	HP
GEN. ARRANG.			QA / QC			5	06-08-09	ISSUED FOR BID PHASE II. SITE FINALIZATION SUBCONTRACT		
HVAC			STRUCTURAL							
I & C										

DRAWING STATUS				
ISSUED	REV	DATE	SDE	PEM
PRELIMINARY				
REVISED	5	06-08-09		
APPROVED FOR CONSTRUCTION	0	05-11-07		
NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED. DESTROY ALL PRINTS BEARING EARLIER DATE &/OR REV.NO.				

PROJECT NO.:
DRAWN: Z.YAN DATE:
CHECKED: E.R.HENDRICKS DATE:
SCALE: 1"=200'

SITE PLAN

MONONGAHELA POWER CO.
FORT MARTIN FGD PROJECT

Washington Group International
510 CARNEGIE CTR, PRINCETON NJ 08543 - (609)720-2000

DWG. NO. F09-12-11-020-001 REV 5

INCHES CENTIMETERS