DWG No. 24590 BOF C2 900 00001

CONSTRUCTION FACILITIES KEY

1	MAIN CONSTRUCTION SITE OFFICE	60,000 SF
	FIRST AID STATION	
	TRAINING FACILITY	
	LABORATORY FIELD OFFICE	
TBD	PRETREATMENT CONSTRUCTION AREA OFFICE	3,600 SF
3	HLW CONSTRUCTION AREA OFFICE	3,600 SF
TBD	LAW CONSTRUCTION AREA OFFICE	3,600 SF
TBD	PRETREATMENT/LAW CRAFT CHANGE HOUSE	8,000 SF
TBD	HLW CRAFT CHANGE HOUSE	8,000 SF
7	LAW/BOF CRAFT CHANGE HOUSE	8,000 SF
8	PRETREATMENT COMFORT STATION	500 SF
9	HLW COMFORT STATION	500 SF
10	LAW COMFORT STATION	500 SF
11	YARD/BOF CONSTRUCTION AREA OFFICE	3,600 SF
12	YARD/BOF COMFORT STATION	500 SF
13	FIELD CONSTRUCTION WAREHOUSE	35,150 SF
14	FIELD CONSTRUCTION WAREHOUSE OFFICE	6,100 SF
	RESIDENT ENGINEERING OFFICE (SECOND FLOOR)	38,400 SF
15	COMBINATION SHOP	28,050 SF
16	COMBINATION SHOP OFFICE	750 SF
17	CONCRETE BATCH PLANT - S/C	4,500 SF
18	CONCRETE BATCH PLANT WATER PUMP HOUSE	500 SF
19	CIVIL MATERIALS TESTING/LAB/OFFICE - S/C	1,600 SF
20	IRONWORKER FABRICATION SHOP	2,400 SF
21	CARPENTER SHOP	3,750 SF
22	TANK FABRICATION FACILITY/SHOP/OFFICE - S/C	15,000 SF
23	SOUTH GATE SECURITY STATION	240 SF
24	WELD ROD CONTROL TRAILER	400 SF
25		
26	TIME KEEPING TRAILER/ENTRY GATES EAST	512 SF
27	TIME KEEPING TRAILER/ENTRY GATES WEST	512 SF
28	SITE OBSERVATION FACILITY	3,200 SF
29		
30		
31	NORTH GATE SECURITY STATION	240 SF
32		
33	ELECTRICAL MATERIALS DISTRIBUTION CENTER - S/C	25,000 SF
34	SURVEY EQUIPMENT STORAGE/OFFICE	1,600 SF
35	LAB COMFORT STATION	500 SF
36	LAB GF TRAILER	1,440 SF
TBD	PRETREAT GF TRAILER	1,440 SF
38	HLW GF TRAILER	1,440 SF
39	LAW GF TRAILER	1,440 SF
40	BOF GF TRAILER	1,440 SF

REFERENCE DOCUMENTS:

DOCUMENT NO.	TITLE
1. 24590-BOF-C2-C12T-00002	RPP-WTP SITE GENERAL ARRANGEMENT PLAN
2. 24590-BOF-C2-C11-00001	RPP-WTP PLOT PLAN
3. 24590-WTP-ICD-MG-01-009	INTERFACE CONTROL DOCUMENT FOR LAND AND SITING.
4. DWG-W375BF-C00010	ROADS, PARKING AND WALKWAY PLAN
5. 24590-BOF-C0-000-00001	SITE FENCE PLAN
6. 24590-BOF-C0-980-00001	SANITARY SEWER YARD PIPING COLLECTION PLAN
7. DWG-W375BF-C00040	COOLING WATER, CHILLED WATER, DEMIN WATER, CONDENSATE AND HIGH PRESSURE STEAM YARD PIPING COMPOSITE PLAN
8. DWG-W375BF-C00041	RAD WASTE FEED, RAD EFF, NON-RAD NON-DANGER EFF, RAD TRANSFER LINES YARD PIPING COMPOSITE PLAN
9. DWG-W375BF-C00042	COMPRESSED AIR, INSTR AIR, SAMPLE PNEUMATIC TRANSFER, FUEL OIL AND REAGENTS YARD PIPING COMPOSITE PLAN
10. DWG-W375BF-C00045	RAW WATER, PROCESS WATER YARD PIPING DISTRIBUTION PLAN
11. DWG-W375BF-C00055	POTABLE WATER YARD PIPING DISTRIBUTION PLAN
12. DWG-W375BF-C00065	FIRE WATER YARD PIPING DISTRIBUTION PLAN
13. DWG-W375LP-M00199	HYDRAULIC STUDY PRETREATMENT AND LAW PRETREATMENT INTERSITE INTERFACES.
14. DWG-24590BF-E00001	RPP-WTP SITE ELECTRICAL DISTRIBUTION DUCT BANK PLAN
15. DWG-24590BF-E00003	RPP-WTP SITE AREA GROUNDING PLAN
16. DWG-W375BF-PL00048	RPP-WTP YARD PIPING ABOVE GROUND PLAN

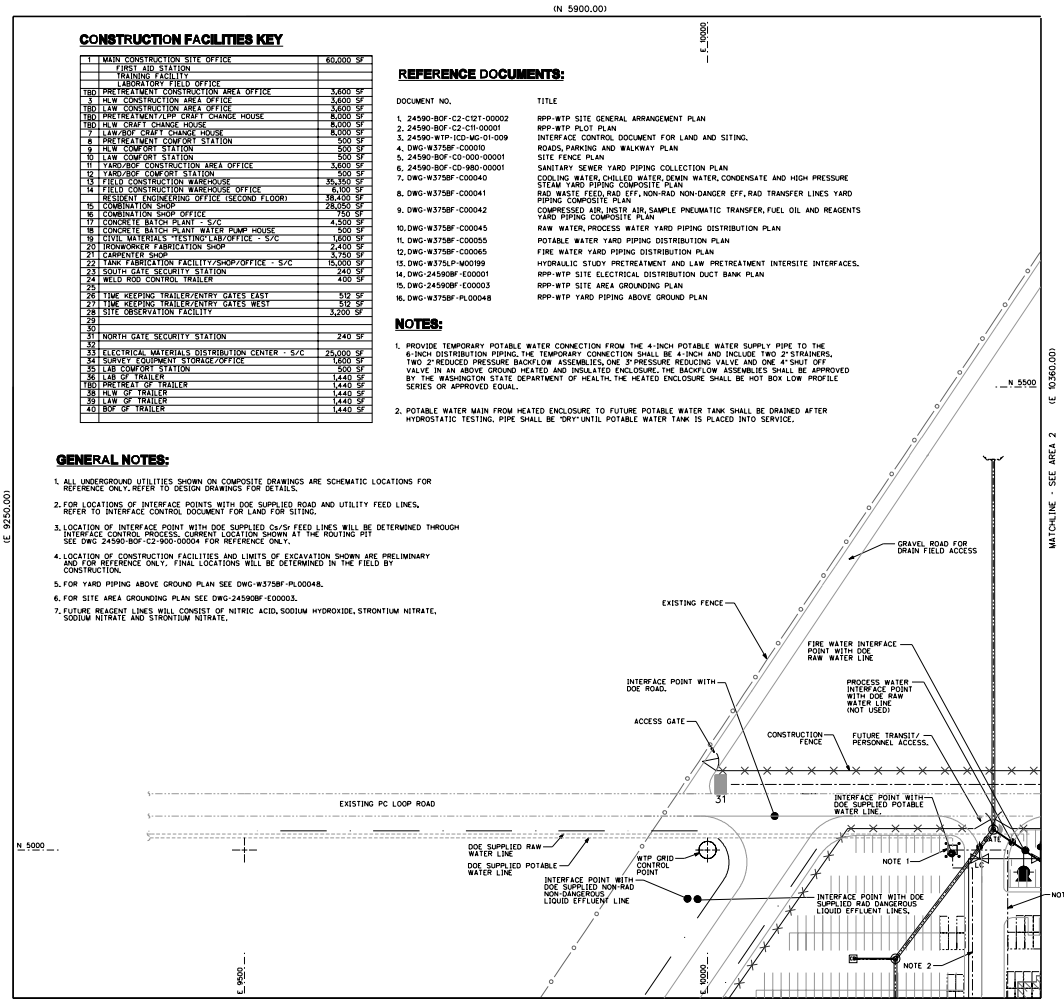
NOTES:

1. PROVIDE TEMPORARY POTABLE WATER CONNECTION FROM THE 4-INCH POTABLE WATER SUPPLY PIPE TO THE 6-INCH DISTRIBUTION PIPING. THE TEMPORARY CONNECTION SHALL BE 4-INCH AND INCLUDE TWO 2" STRAINERS, TWO 2" REDUCED PRESSURE BACKFLOW ASSEMBLIES, ONE 3" PRESSURE REDUCING VALVE AND ONE 4" SHUT OFF VALVE IN AN ABOVE GROUND HEATED AND INSULATED ENCLOSURE. THE BACKFLOW ASSEMBLIES SHALL BE APPROVED BY THE WASHINGTON STATE DEPARTMENT OF HEALTH. THE HEATED ENCLOSURE SHALL BE HOT BOX LOW PROFILE SERIES OR APPROVED EQUAL.

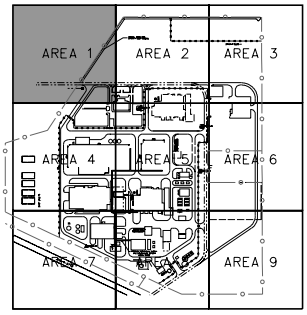
2. POTABLE WATER MAIN FROM HEATED ENCLOSURE TO FUTURE POTABLE WATER TANK SHALL BE DRAINED AFTER HYDROSTATIC TESTING. PIPE SHALL BE "DRY" UNTIL POTABLE WATER TANK IS PLACED INTO SERVICE.

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON COMPOSITE DRAWINGS ARE SCHEMATIC LOCATIONS FOR REFERENCE ONLY. REFER TO DESIGN DRAWINGS FOR DETAILS.
2. FOR LOCATIONS OF INTERFACE POINTS WITH DOE SUPPLIED ROAD AND UTILITY FEED LINES, REFER TO INTERFACE CONTROL DOCUMENT FOR LAND FOR SITING.
3. LOCATION OF INTERFACE POINT WITH DOE SUPPLIED Cs/Sr FEED LINES WILL BE DETERMINED THROUGH INTERFACE CONTROL PROCESS. CURRENT LOCATION SHOWN AT THE ROUTING PIT SEE DWG 24590-BOF-C2-900-00004 FOR REFERENCE ONLY.
4. LOCATION OF CONSTRUCTION FACILITIES AND LIMITS OF EXCAVATION SHOWN ARE PRELIMINARY AND FOR REFERENCE ONLY. FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY CONSTRUCTION.
5. FOR YARD PIPING ABOVE GROUND PLAN SEE DWG-W375BF-PL00048.
6. FOR SITE AREA GROUNDING PLAN SEE DWG-24590BF-E00003.
7. FUTURE REAGENT LINES WILL CONSIST OF NITRIC ACID, SODIUM HYDROXIDE, STRONTIUM NITRATE, SODIUM NITRATE AND STRONTIUM NITRATE.



PLAN



KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

40 20 0 40 80 FT
GRAPHIC SCALE

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-C00001 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 1

SCALE: 1"=40'

24590 BOF C2 900 00001 REV A

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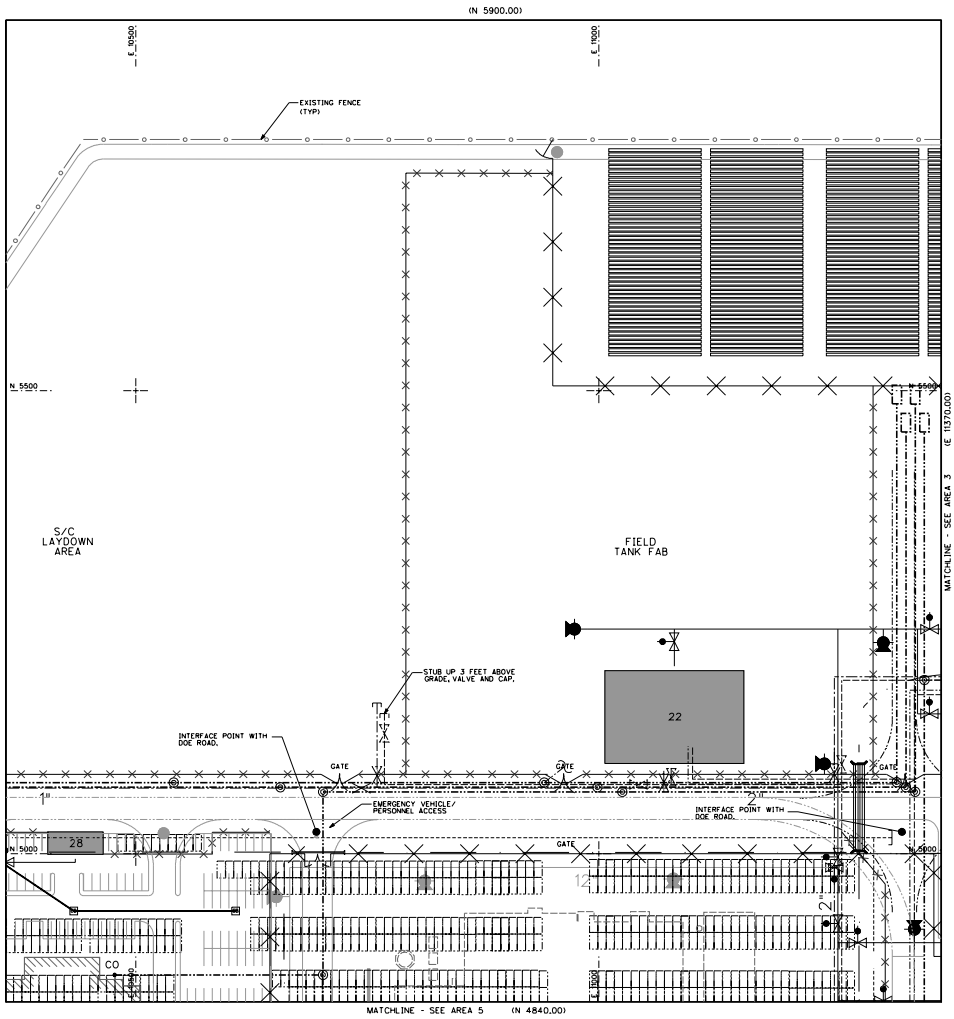

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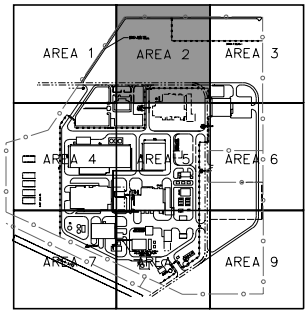

KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-C00002 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 2

SCALE: 1"=40'

24590 BOF C2 900 00002 REV A

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WHEN REFERENCING DRAWING AND DGN NUMBERS IN DIALOGUE, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS

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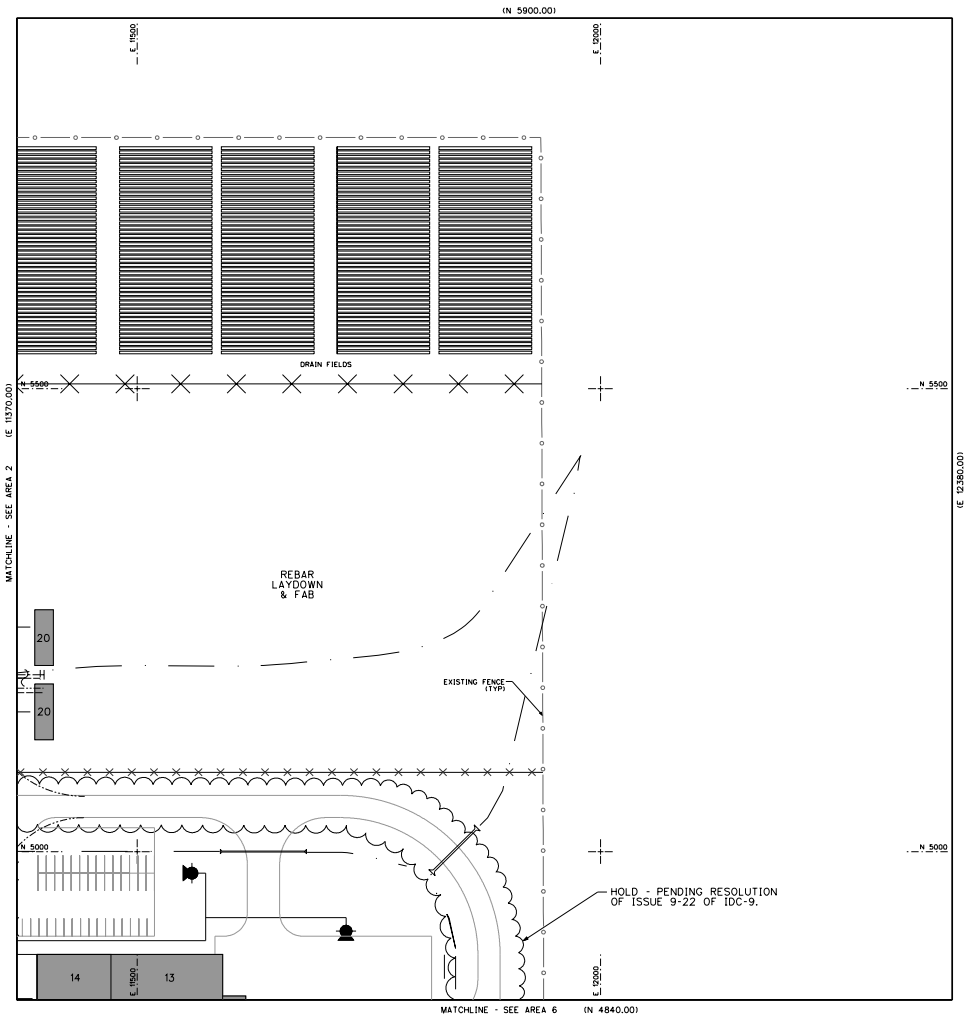
GRAPHIC SCALE 40 20 0 40 80 FT

DWG No. 24590 BOF C2 900 00003



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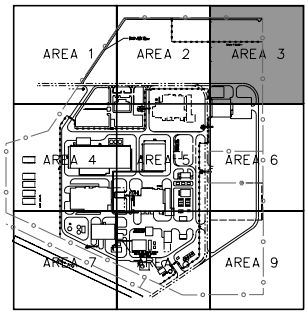

KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED (LC)
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- SD — STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
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REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 3

SCALE: 1"=40'

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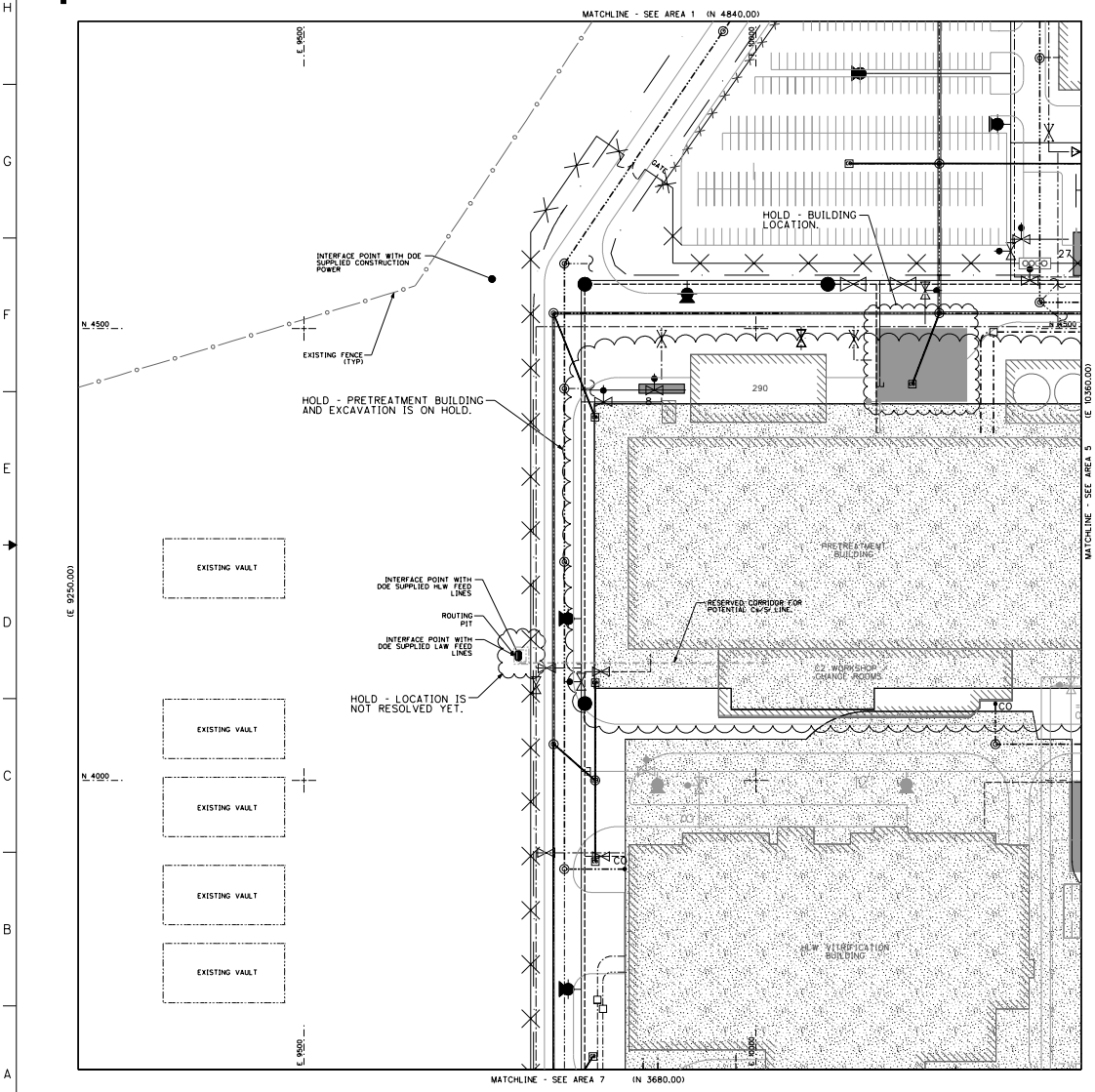

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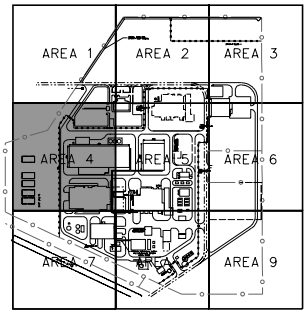

KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
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REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 4

SCALE: 1"=40'

24590 BOF C2 900 00004 REV A

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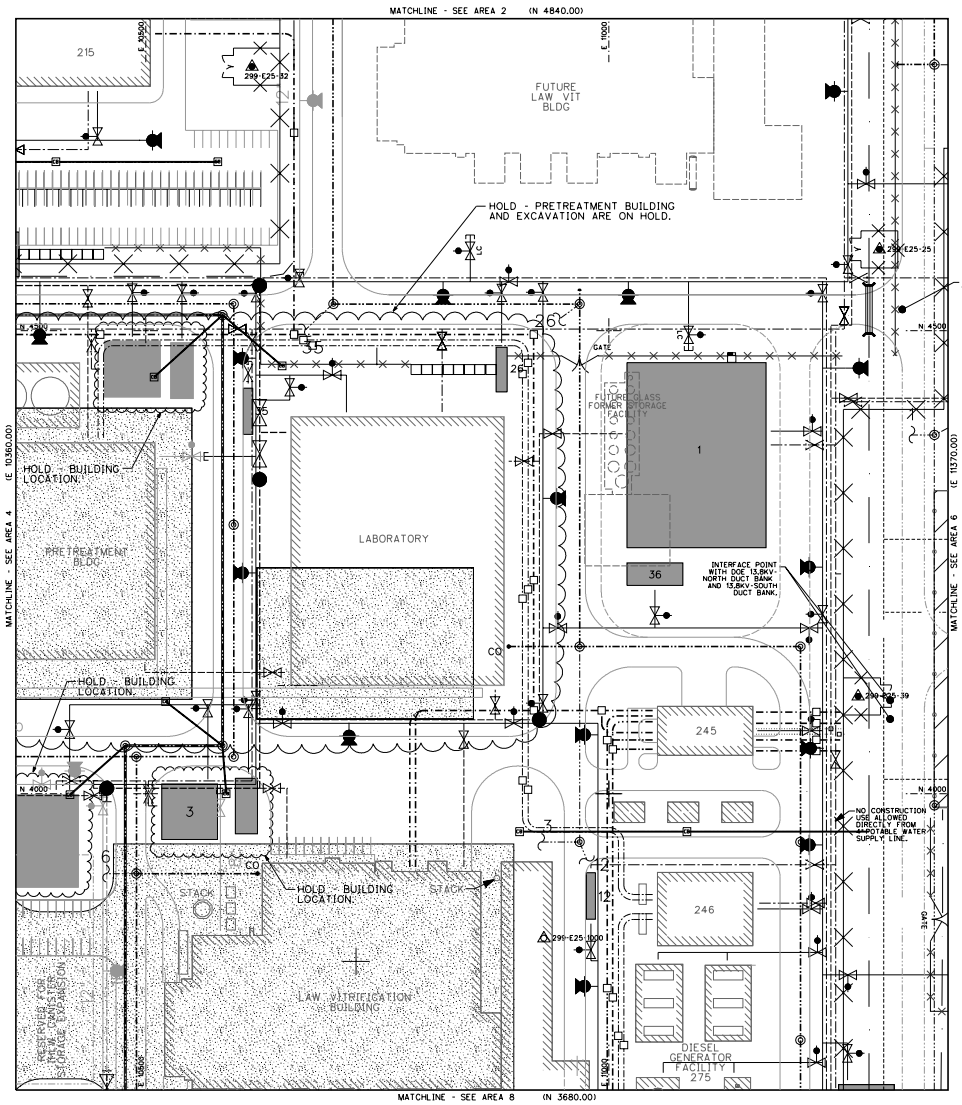

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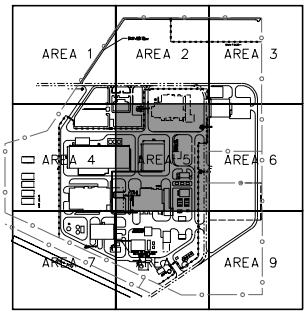

KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-C00005 REV. B				

REVISION HISTORY

PROJECT No.	24590		
SITE	HANFORD		
AREA	200E		
BUILDING No.			
	BY	DATE	
ORIGINATOR			
CHECKER			
APPROVED			

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 5

SCALE: 1"=40'

24590 BOF C2 900 00005 REV A

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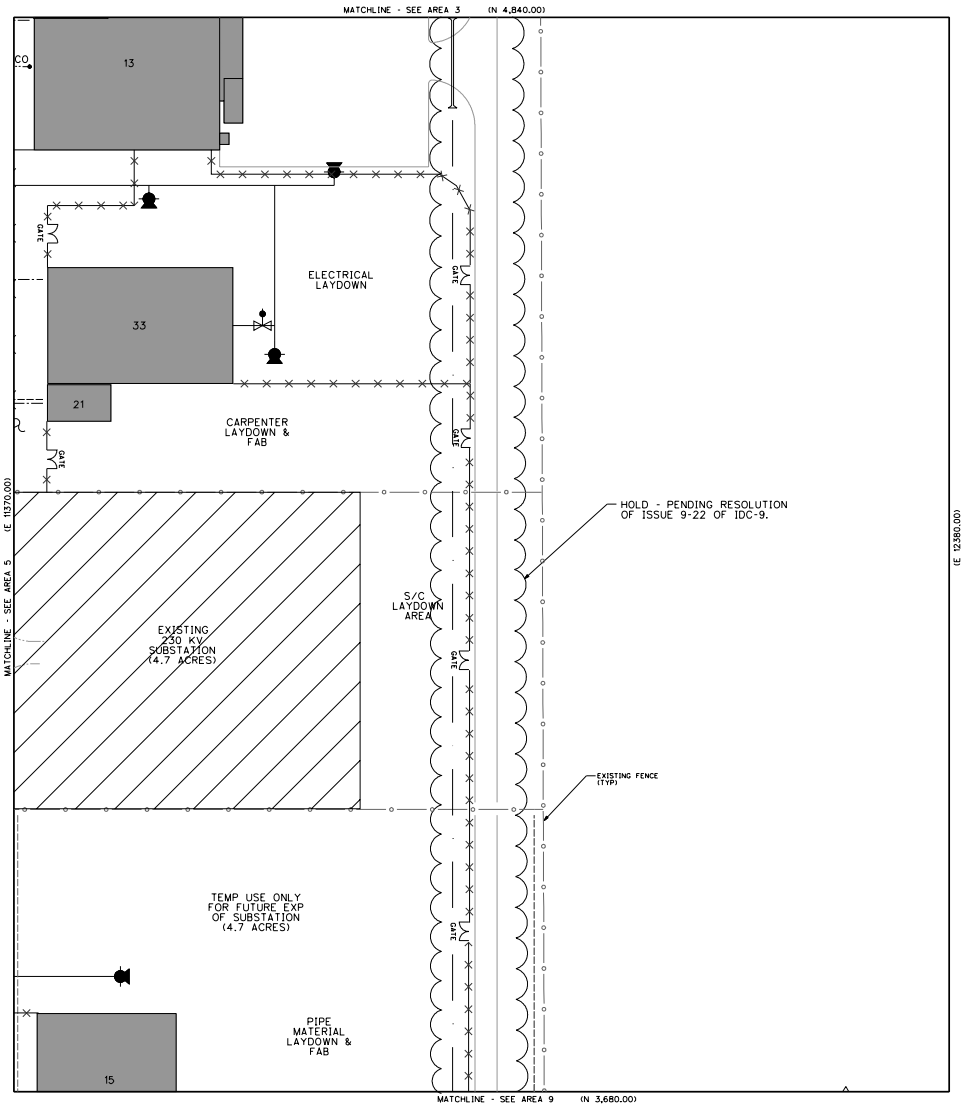
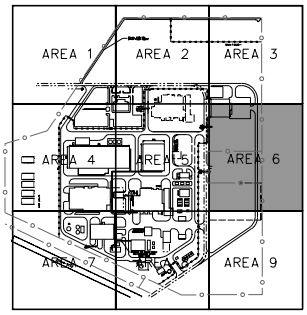


PLAN



KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-C00006 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 6

SCALE: 1"=40'

24590 BOF C2 900 00006 REV A

DWG REFERENCE No. 24590 BOF C2 900 00006 A

E SIZE 44x34 COMPUTER GENERATED - MANUAL CHANGES NOT PERMITTED

WHEN REFERENCING DRAWING AND DWG NUMBERS IN DIAGRAMS, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS

08/07/2001 04:24:30 PM

GRAPHIC SCALE 40 20 0 40 80 FT

FORM E.SONJON 07/2001

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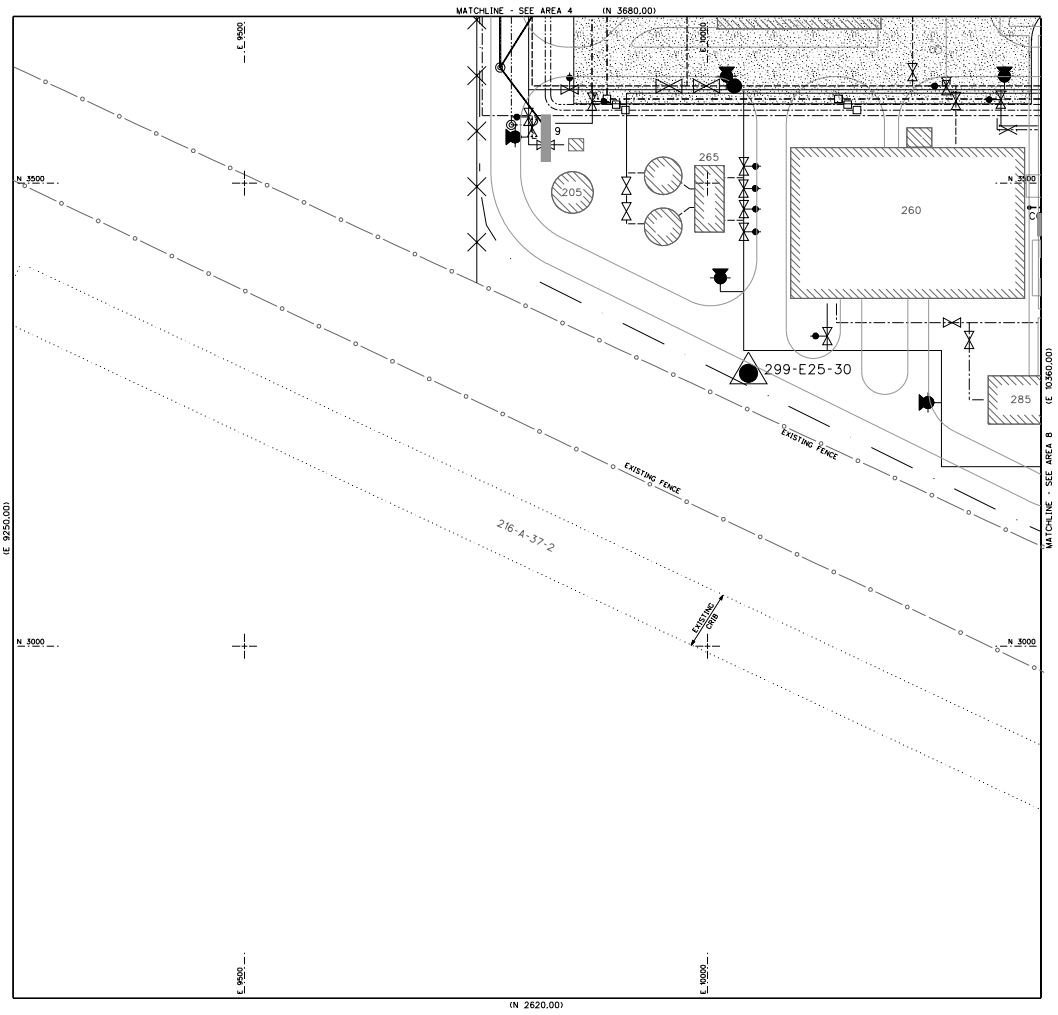
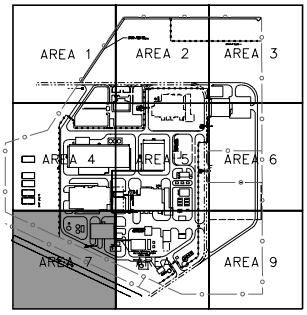
DWG No. 24590 BOF C2 900 00007



PLAN



KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEMPORARY CONSTRUCTION (TEXT)
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED (LC)
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN (CB)

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-245908F-C00007 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 7

SCALE: 1"=40'

24590 BOF C2 900 00007 REV A

DGN REFERENCE No. 24590 BOF C2 900 00007 | A | 1"=40' | E SIZE 44x34 | COMPUTER GENERATED - MANUAL CHANGES NOT PERMITTED | WHEN REFERENCING DRAWING AND DGN NUMBERS IN SUCCESSIVE, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS | 08/07/2001 04:26:44 PM

GRAPHIC SCALE: 40 20 0 40 80 FT

FORM E.SONJON 07/2001

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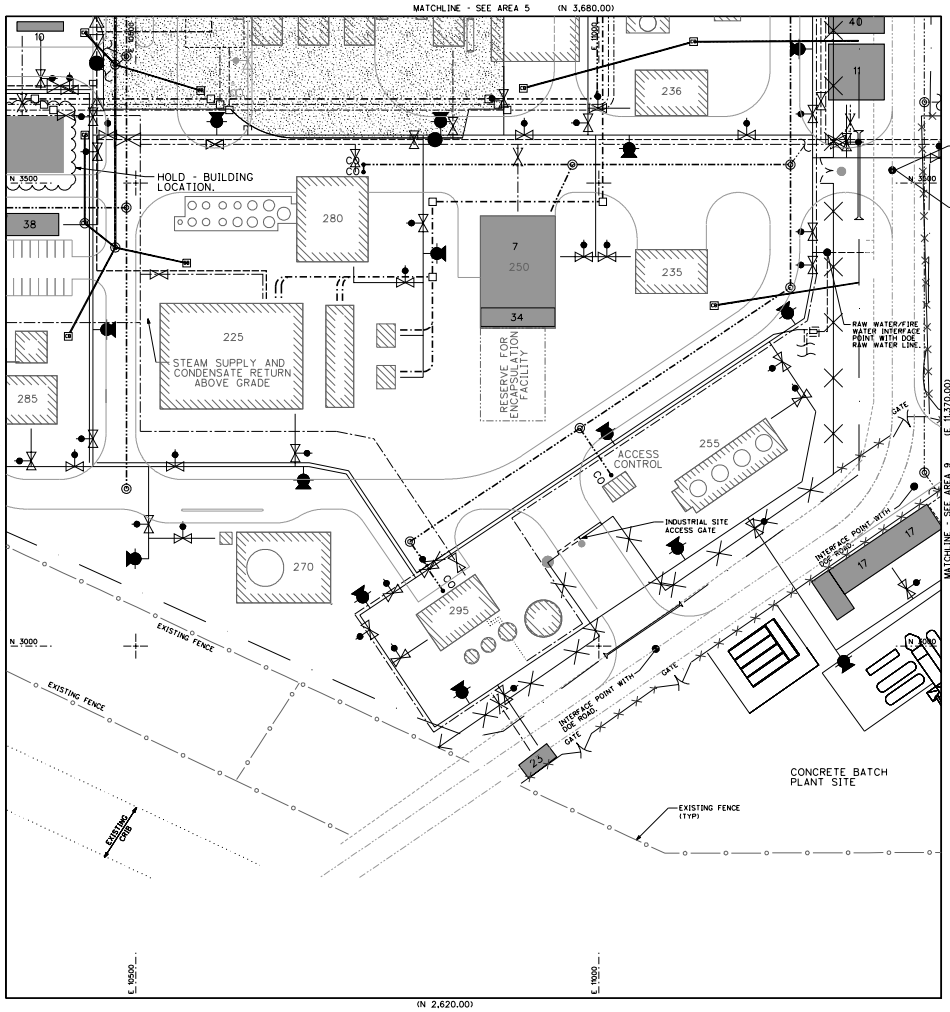
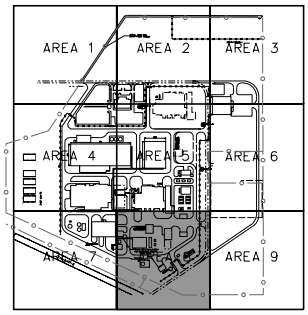
DWG No. 24590 BOF C2 900 00008



PLAN



KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-C00008 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 8

SCALE: 1"=40'

24590 BOF C2 900 00008 REV A

DGN REFERENCE No. 24590 BOF C2 900 00008 | A | 1"=40' | 1" SIZE - 44x34 | COMPUTER GENERATED - MANUAL CHANGES NOT PERMITTED | WHEN REFERENCING DRAWING AND DGN NUMBERS IN SUBJECTS, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS | 08/07/2001 04:28:51 PM

GRAPHIC SCALE: 40 20 0 40 80 FT

FORM E.SONJON 07/2001

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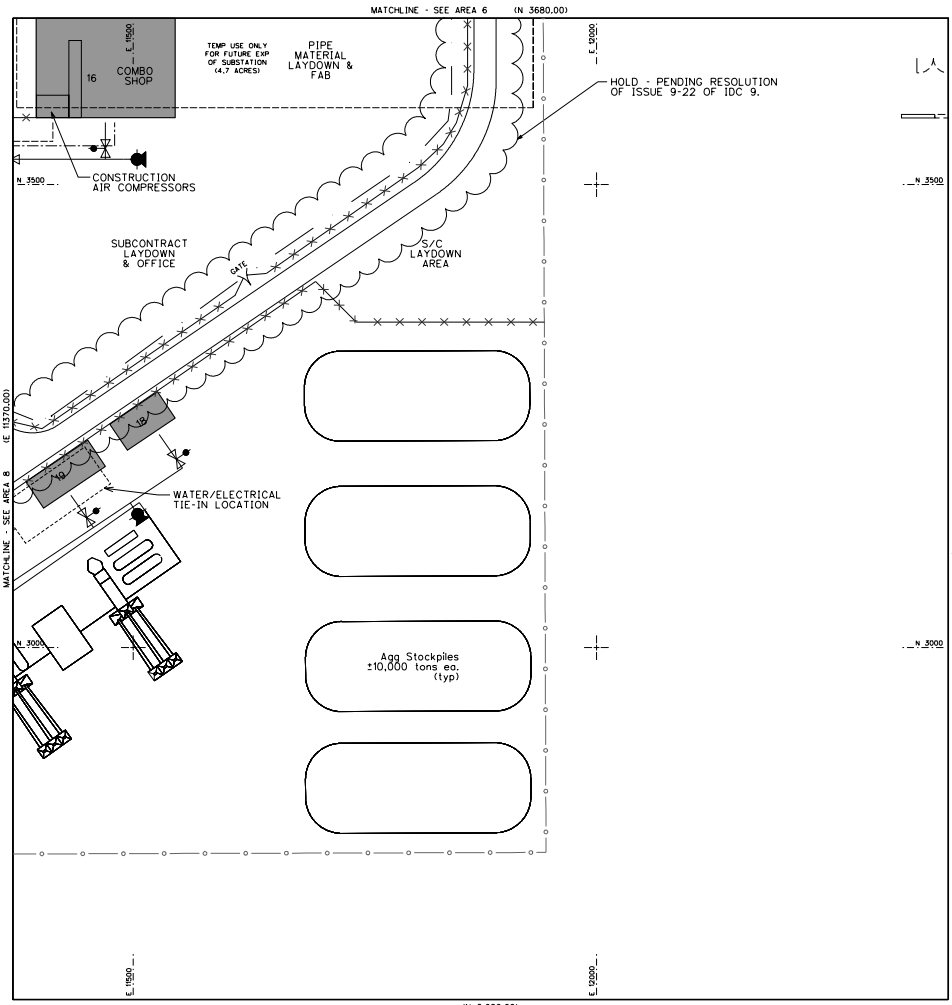
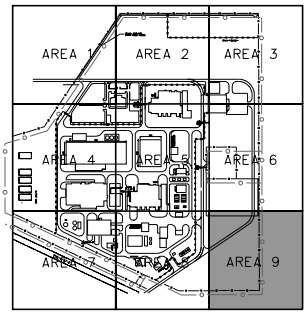
DWG No. 24590 BOF C2 900 00009



PLAN



KEY PLAN

LEGEND:

- DOE SUPPLIED WATER LINES
- FIRE WATER LINE
- FUTURE FIRE WATER LINE
- POTABLE WATER LINE
- FUTURE POTABLE WATER LINE
- GRAVITY SEWER LINE
- FUTURE GRAVITY SEWER LINE
- COMPRESSED AIR
- FUTURE COMPRESSED AIR
- ELECTRICAL DUCT BANK (13.8KV)
- ELECTRICAL DUCT BANK (4.16KV)
- ROADWAY DITCH
- STORM DRAIN PIPE
- TEMPORARY FIRE WATER LINE
- TEMPORARY POTABLE WATER LINE
- TEMPORARY SEWER LINE
- TEMPORARY COMPRESSED AIR
- EXISTING FENCE
- FUTURE PERIMETER FENCE
- FUTURE INTERIOR FENCE
- CONSTRUCTION FENCE
- TEXT — TEMPORARY CONSTRUCTION
- EXISTING CONDITIONS
- FUTURE FACILITY
- BLDG EXCAVATION AREA
- FUTURE BUILDING

SYMBOLS:

- FIRE HYDRANT
- POST INDICATOR VALVE EXISTING
- POST INDICATOR VALVE OPEN
- POST INDICATOR VALVE LOCK CLOSED
- POTABLE WATER GATE VALVE
- DOE GROUNDWATER MONITORING WELL
- DECOMMISSIONED DOE GROUNDWATER MONITORING WELL
- CO — CLEANOUT
- MANHOLE
- SEPTIC TANK
- ELECTRICAL MANHOLE
- COMPRESSED AIR RISER
- COMPRESSED AIR GATE VALVE
- COMPRESSED AIR BUTTERFLY VALVE
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED FOR BID - THIS DRAWING SUPERCEDES DWG-24590BF-00009 REV. B				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		

BIM STAMP

	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP SITE COMPOSITE UNDERGROUND YARD UTILITIES PLAN AREA 9

SCALE: 1"=40'

24590 BOF C2 900 00009 — REV A

BIM REFERENCE No. 24590 BOF C2 900 00009 | A | 1"=40' | 1" SIZE - 44x34 | COMPUTER GENERATED - MANUAL CHANGES NOT PERMITTED | WHEN REFERENCING DRAWING AND BIM NUMBERS IN SUBGROUPS, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS | 08/07/2001 04:29:41 PM

40 20 0 40 80 FT
GRAPHIC SCALE

FORM E.SONJON 07/2001

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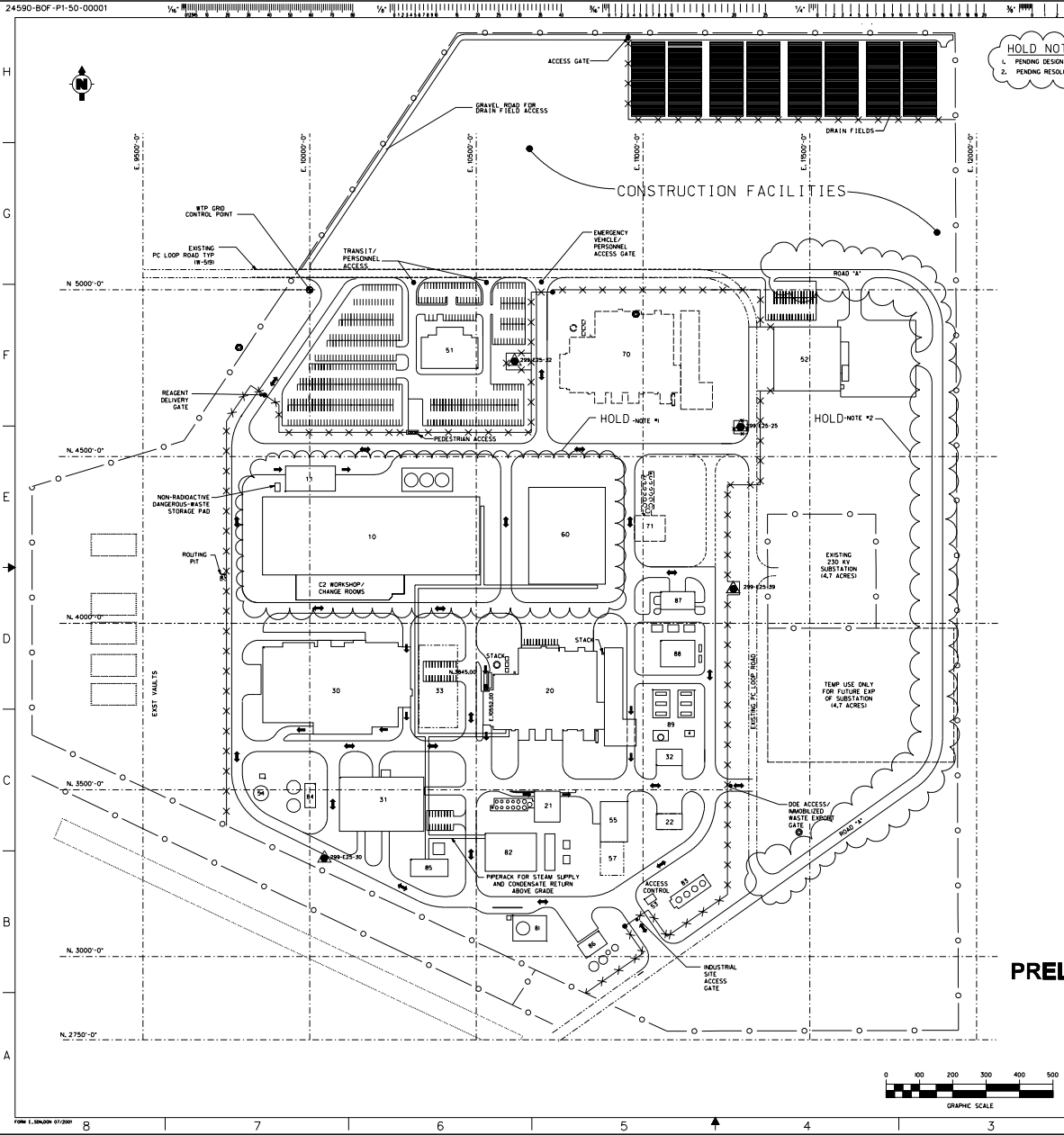
DWG No. 24590-BOF-P1-50-00001



HOLD NOTES

1. PENDING DESIGN DEVELOPMENT.
2. PENDING RESOLUTION OF ISSUE 9-22 OF ICD-9.

WIND CLASS

WIND ROSE FOR : 200E AREA
STATION NO. 6
PERIOD COVERED 1/1/93 - 12/31/93

1 2 3 4 5 6 7

PADDLES INDICATE DIRECTION WIND IS COMING FROM. RADIAL GRIDS REPRESENT 5.0% AND 10% OCURRENCE.

WIND CLASS	MILES/HOUR
1	>1.0 - 3.0
2	4.0 - 7.0
3	8.0 - 12.0
4	13.0 - 18.0
5	19.0 - 24.0
6	25.0 - 31.0
7	32.0 +

LEGEND

- RPP-WTP SITE SECURITY FENCE
- RPP-WTP INTERIOR FENCE
- DOE EXISTING FENCE
- DOE GROUND WATER MONITORING WELL

NOTES

1. RPP-WTP SITE GRID COORDINATES IS SHOWN IN FEET AND INCHES.
2. FOR AVAILABLE BELOW GRADE STRUCTURES, PIPING AND INSTRUMENT SYSTEMS, SEE DRAWING 24590-BOF-C2-900-00001 THRU 00009.
3. FOR RPP-WTP SITE GENERAL ARRANGEMENT PLAN SEE CIVIL DRAWING 24590-BOF-C2-C127-00002

REFERENCE DRAWINGS

BLDG. NO.	FACILITIES	GENERAL ARRANGEMENT DRAWING NO.
10	PRETREATMENT FACILITY	-
11	WET CHEMICAL STORAGE FACILITY	DWG-W375BF-PL00013
20	LAW VITRIFICATION BUILDING	DWG-W375LV-PL00043
21	GLASS FORMER STORAGE FACILITY	DWG-W375BF-PL00007
22	SPENT MELTER STAGING	DWG-W375BF-PL00021
30	HLW VITRIFICATION BUILDING	DWG-W375HV-PL00016
31	MELTER ASSEMBLY BUILDING	DWG-W375BF-PL00008
32	FAILED MELTER STORAGE	DWG-W375BF-PL00020
33	RESERVED FOR HLW CANISTER STORAGE EXPANSION	-
51	ADMINSTRATION BUILDING	DWG-W375BF-PL00015
52	WAREHOUSE	-
53	ACCESS CONTROL FACILITY	-
54	NON-DANGEROUS, NON-RADIOACTIVE EFFLUENT FACILITY	DWG-W375BF-PL00019
55	CENTRAL WASTE STORAGE	DWG-W375BF-PL00022
57	RESERVED FOR ENCAPSULATION FACILITY	-
60	LABORATORY	-
70	FUTURE LAW VIT BUILDING	-
71	FUTURE GLASSFORMER STORAGE FACILITY	-
81	FUEL OIL FACILITY	DWG-W375BF-PL00010
82	CHILLER/COMPRESSOR PLANT	DWG-W375BF-PL00002
83	COOLING TOWER FACILITY	DWG-W375BF-PL00005
84	FIRE WATER PUMP HOUSE FACILITY	DWG-W375BF-PL00006
85	STEAM PLANT FACILITY	DWG-W375BF-PL00003
86	WATER TREATMENT BUILDING	DWG-W375BF-PL00004
87	SWITCHGEAR BUILDING	DWG-W375BF-PL00024
88	ITS SWITCHGEAR BUILDING	DWG-W375BF-PL00023
89	DIESEL GENERATORS FACILITY	DWG-W375BF-PL00012

PRELIMINARY

REV	DESCRIPTION	DWN	CHKD	APVD	DATE
A	ISSUED TO SUPPORT LIMITED CONSTRUCTION AUTHORIZATION REQUEST (LCAR), SUPERSEDES DWG. W375-BF-C00002 Rev. N				

REVISION HISTORY

PROJECT No.	24590	
SITE	HANFORD	
AREA	200E	
BUILDING No.		
	BY	DATE
ORIGINATOR		
CHECKER		
APPROVED		

RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
3000 GEORGE WASHINGTON WAY
RICHLAND, WA 99352

CONTRACT No: DE-AC27-01RV14136

RPP-WTP PLOT PLAN

SCALE: 1"=100'-0"

24590-BOF- P1-50-00001 REV A

DBM REFERENCE No. DBM-24590-BOF-P1-50-00001

1" SIZE - 44x34 COMPUTER GENERATED - MANUAL CHANGES NOT PERMITTED

WHEN REFERENCING DRAWING AND DBM NUMBERS IN DOCUMENTS, BE SURE TO INCLUDE DASHES BETWEEN ELEMENTS

08/23/2001 10:00:01 AM

LAST PLOTTED BY: rdbgen
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FORM E.SONJON 07/2001