Staff Report

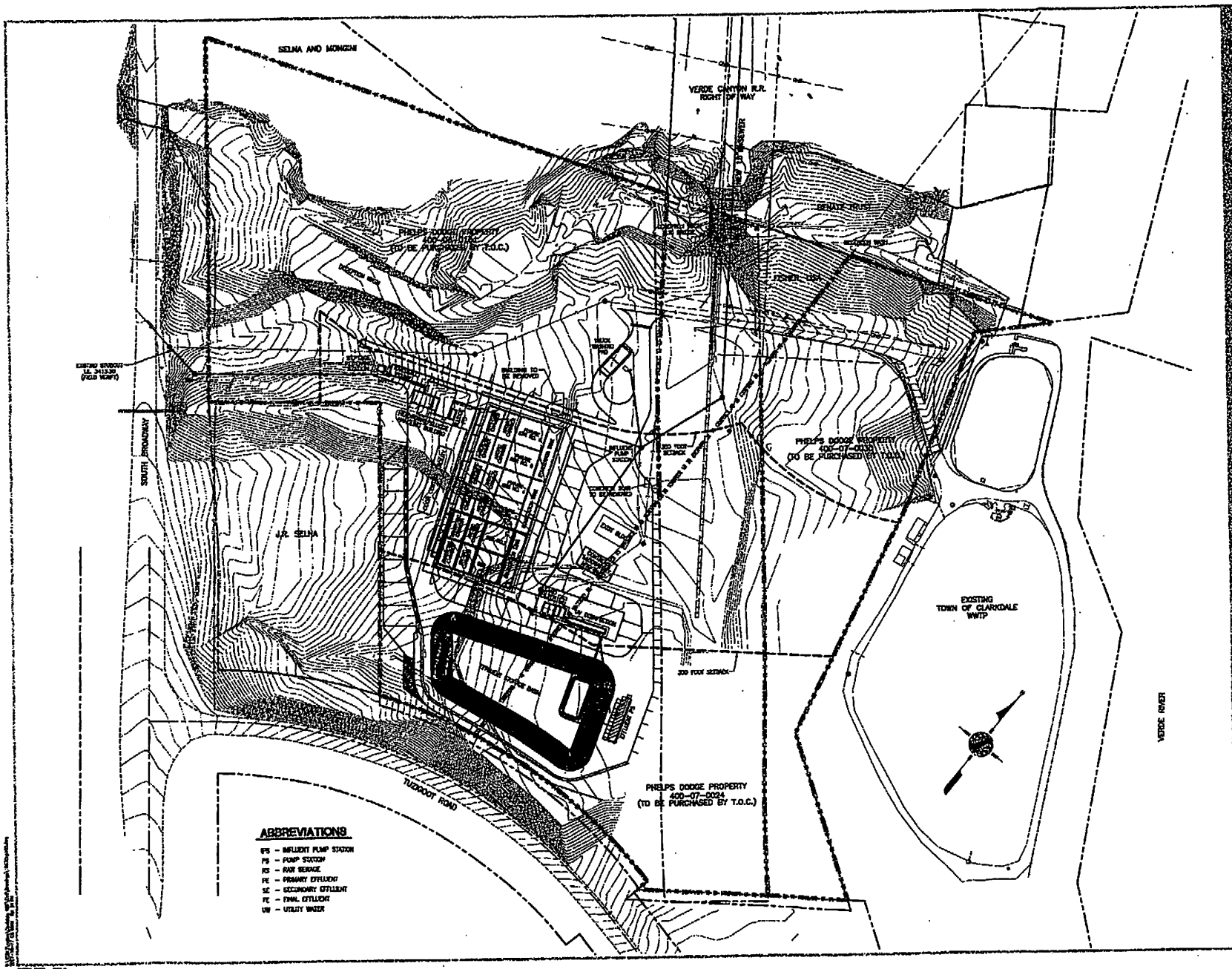
Agenda Item: WORKSESSION – A Worksession to discuss and update Council on the Wastewater Treatment Plant Designs.

Staff Contact: Steven Burroughs, Public Works Director

Meeting Date: November 13, 2007

Background: The Design Documents of the Wastewater Treatment Plant (Broadway Water Reclamation Facility) has been given to the Town for a preliminary review. The current documents are at approximately 50% completion.
Chris Simko, Stantec Engineer will be bring design documents for an in-depth review with Council on the November 27th meeting with final 100% documents due December 7th

Recommendation: This is a Worksession only, and requires no formal action from the council. Staff would appreciate any input the council may have.



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PRELIMINARY PLAN
50%
SUBMITTAL

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: 100701100.dwg	JTH	CJT	SL	02.12.95
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Seal

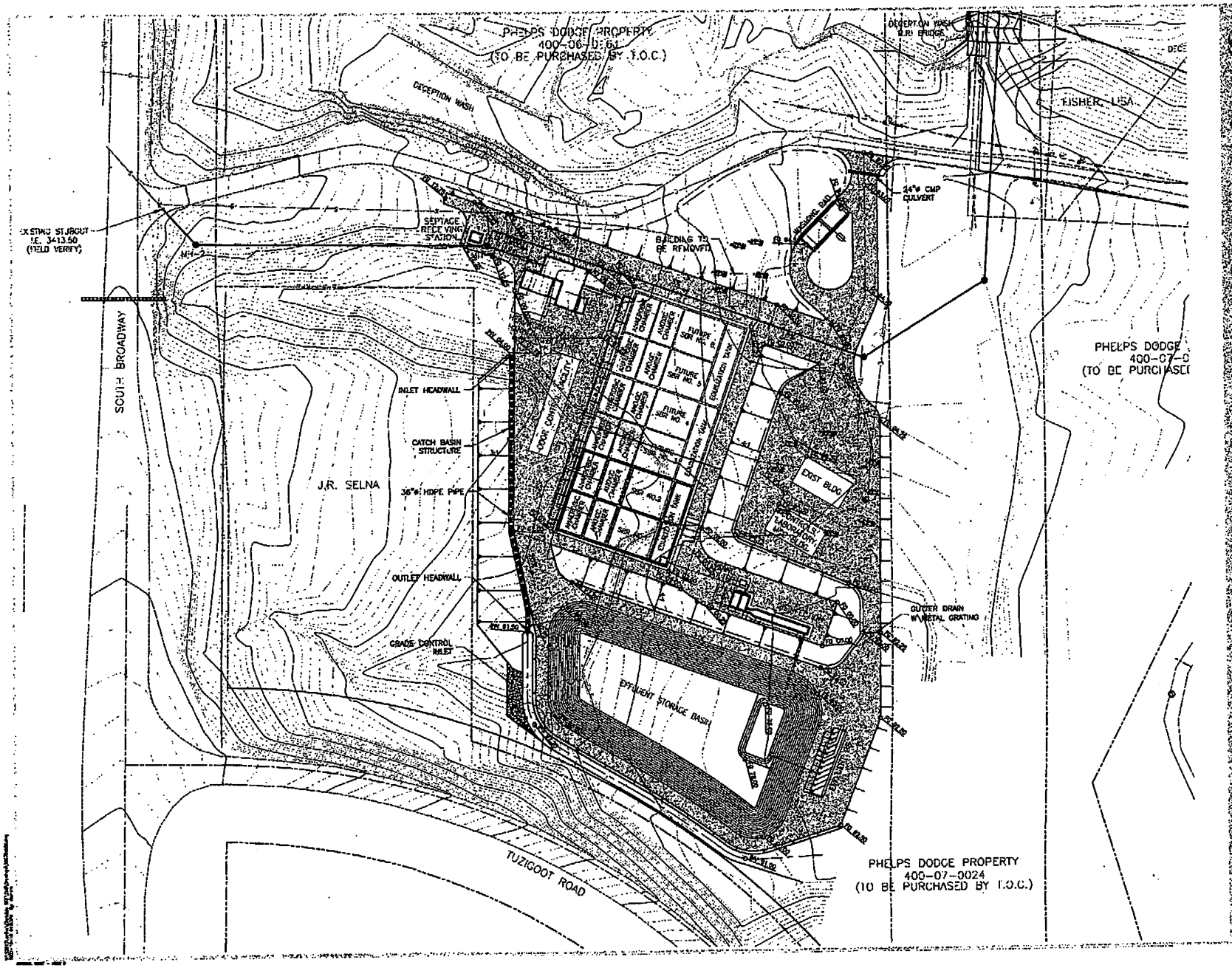
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER RECLAMATION FACILITY
Clarkdale, AZ

Title
SITE AND COORDINATE CONTROL PLAN

Project No.	Scale	
131310570	1"=60'-0"	
Drawing No.	Sheet	Revision
C100	X of X	0

2



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ABBREVIATIONS

IPS – INFLUENT PUMP STATION
PS – PUMP STATION
RS – RAW SEWAGE
PE – PRIMARY EFFLUENT
SE – SECONDARY EFFLUENT
FE – FINAL EFFLUENT
UW – UTILITY WATER

PRELIMINARY PLAN
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Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: 50976C200.dwg	DES	DDB	C.K.	07.10.19
	Dsn.	Chkd.	Dwgn.	YY.MM.DD

Seal

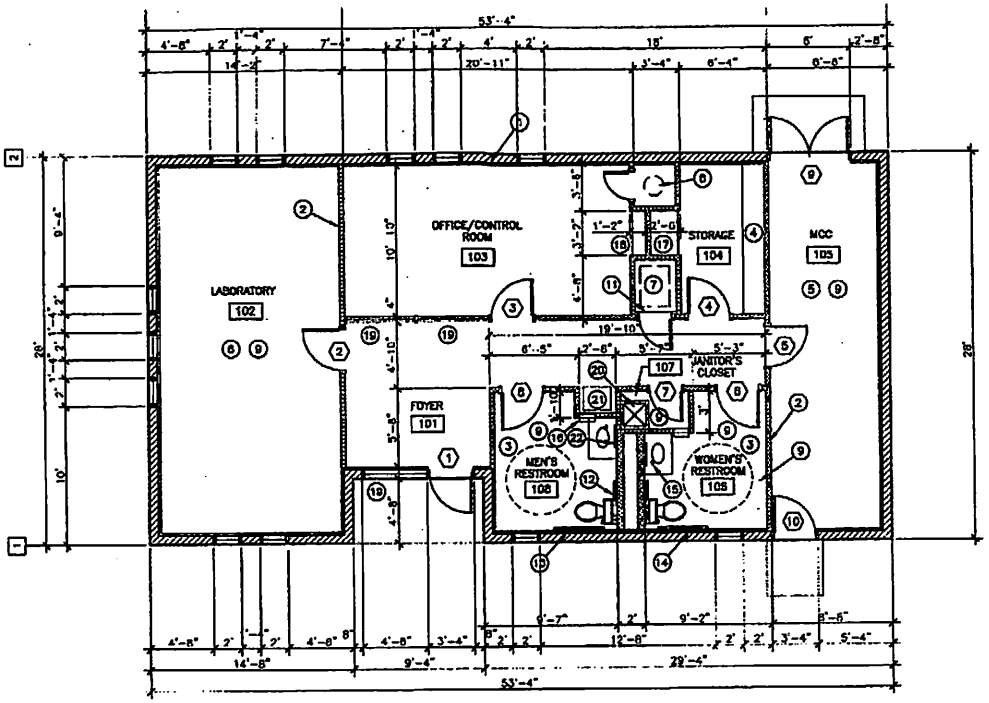
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER
RECLAMATION FACILITY
Clarkdale, AZ

Title
SITE GRADING AND DRAINAGE PLAN

Project No.	Scale	
181310070	1"=40'-0"	
Drawing No.	Sheet	Revision
C200	of X	

3



1 DETAIL TITLE PAPER SPACE SCALE
1/4" = 1'-0"

PLAN NORTH

KEYNOTES

1. 8x8x16" CONCRETE MASONRY UNIT (CMU) WALL. EXTERIOR SHALL HAVE 1" STYROFOAM INSULATION AND SMOOTH STUCCO FINISH (EIFS). INTERIOR SHALL HAVE 1 1/2" FOAM INSULATION WITH FURRING AT 16" O.C. AND 5/8" GYPSUM WALL BOARD.
2. 2"x4" WOOD STUDS AT 16" O.C. WITH 5/8" GYPSUM WALL BOARD EACH SIDE.
3. 5' ACCESSIBLE TURNING RADIUS
4. (5) 1" X 18" MDF PARTICLE ADJUSTABLE SHELVES WITH 1" X 2" HARDWOOD FRONT EDGE. SEE INTERIOR ELEVATION DTL. X/X.
5. SEE ELECTRICAL PLANS FOR EQUIPMENT IN MCC ROOM.
6. SEE LABORATORY EQUIPMENT LAYOUT DTL. X/X FOR EQUIPMENT IN LABORATORY.
7. FURNACE/AIR HANDLER. SEE MECHANICAL PLANS.
8. FIRE SPRINKLER RISER. SEE FIRE SPRINKLER PLANS.
9. VCT FLOORING
10. CARPET FLOORING
11. RAISED PLYWOOD PLENNUM WITH GALVANIZED SHEETMETAL COVER.
12. GRAB BAR, TYP.
13. TOILET TISSUE DISPENSER.
14. TOILET TISSUE DISPENSER/SANITARY NAPKIN DISPOSAL.
15. SOAP DISPENSER, TYP.
16. PAPER TOWEL DISPENSER AND DISPOSAL.
17. (5) 1" X 28" MDF PARTICLE ADJUSTABLE SHELVES WITH 1" X 2" HARDWOOD FRONT EDGE. SEE INTERIOR ELEVATION DTL. X/X.
18. (5) 1" X 12" MDF PARTICLE ADJUSTABLE SHELVES WITH 1" X 2" HARDWOOD FRONT EDGE. SEE INTERIOR ELEVATION DTL. X/X.
19. WINDOW, TYP.
20. MOP SINK
21. ELECTRIC WATER COOLER
22. MIRROR

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	MH	CS	MH	10/10/07

Seal

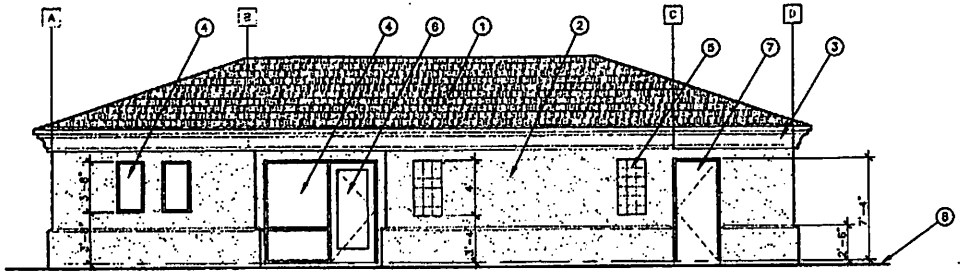
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER RECLAMATION FACILITY
Clarkdale, AZ

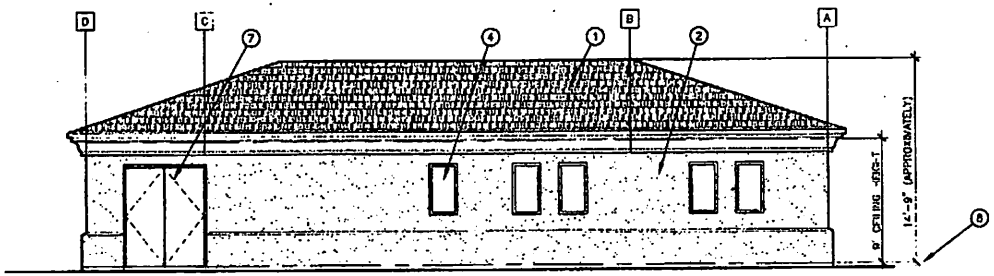
Title
OPERATIONS AND LABORATORY BUILDING FLOOR PLAN

Project No.	Scale	
181310070	1/4" = 1'-0"	
Drawing No.	**Sheet**	**Revision**
A200	X of X	0

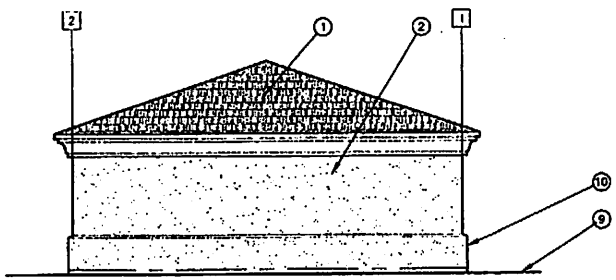
4



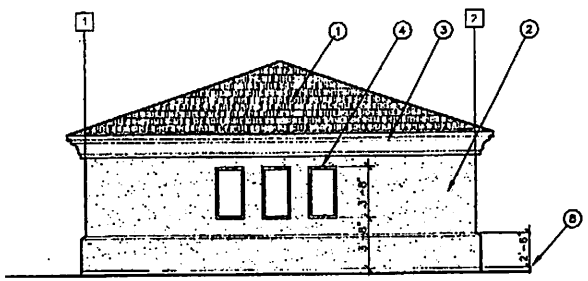
1 FRONT ELEVATION
1/4" = 1'-0"



2 REAR ELEVATION
1/4" = 1'-0"



3 RIGHT SIDE ELEVATION
1/4" = 1'-0"



4 LEFT SIDE ELEVATION
1/4" = 1'-0"

(X) KEYNOTES

1. ASPHALT SHINGLES ON 30# ROOFING FELT ON OSB DECK ON WOOD ROOF FRAMING. SEE STRUCTURAL FOR FRAMING AND DECK THICKNESS.
2. 8"x8"x16" CONCRETE MASONRY UNIT (CMU) WALL WITH EXTERIOR INSULATED FINISH SYSTEM (E.I.F.S.).
3. FOAM CORNICE WITH E.I.F.S. SYSTEM.
4. DOUBLE-PANE FIXED GLASS WINDOW.
5. 8"x8"x4" THICK GLASS BLOCK WINDOW.
6. GLASS DOOR IN HOLLOW METAL FRAME.
7. HOLLOW METAL DOOR AND FRAME.
8. FINISH FLOOR ELEVATION (F.F.E.)
9. FINISH GRADE
10. E.I.F.S. WAINSCOT

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	Dsn.	Chkd.	Dwgs.	YY.MM.DD

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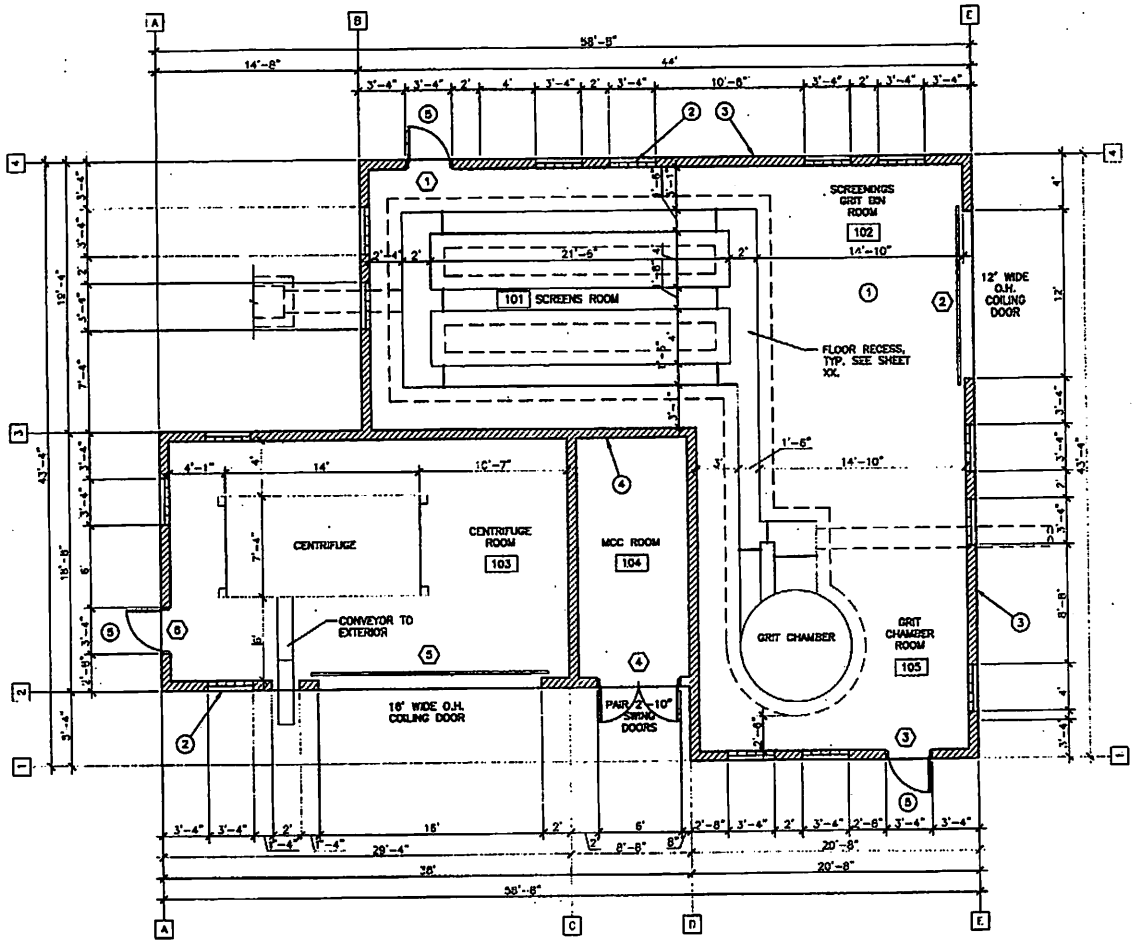
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER
RECLAMATION FACILITY
Clarkdale, AZ

Title
OPERATIONS AND
LABORATORY BUILDING
EXTERIOR ELEVATIONS

Project No.	Scale	
191310570	1/4" = 1'-0"	
Drawing No.	Sheet	Revision
A201	X of X	0

5



1. HEADWORKS FLOOR PLAN

1/4" = 1'-0"

PLAN NORTH

KEYNOTES

1. FOR EQUIPMENT SEE CIVIL ELECTRICAL PLANS.
2. 8"x8"x4" THICK GLASS BLOCK WINDOW
3. 8"x8"x16" CONCRETE MASONRY UNITS (CMU) WALL WITH EXTERIOR INSULATED FINISH SYSTEM (E.I.F.S.), PAINTED ON INTERIOR.
4. EXPOSED PAINTED CMU WALL, TYP. AT INTERIOR.
5. SEE EXTERIOR ELEVATIONS FOR MAKE-UP AIR LOUVERS ABOVE DOORS

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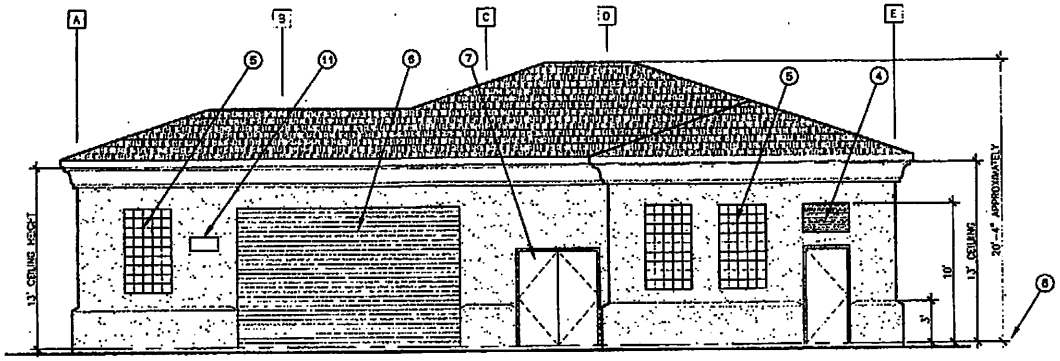
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER RECLAMATION FACILITY
Clarkdale, AZ

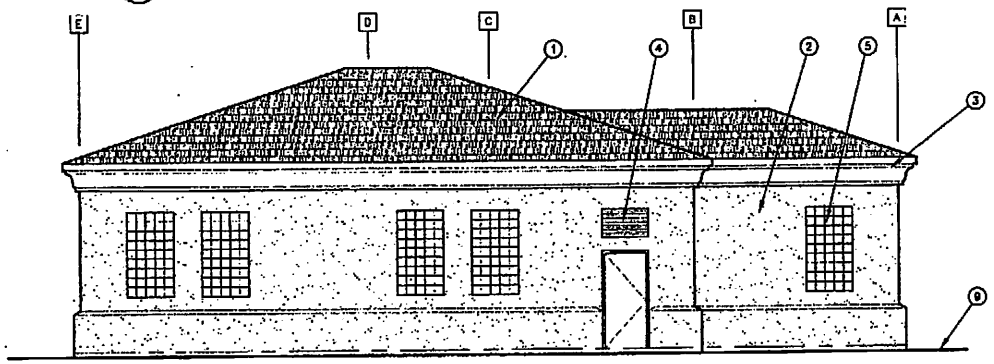
Title
HEADWORKS BUILDING FLOOR PLAN

Project No.	Scale	
161370570	1/4" = 1'-0"	
Drawing No.	**Sheet**	**Revision**
A100	X of X	0

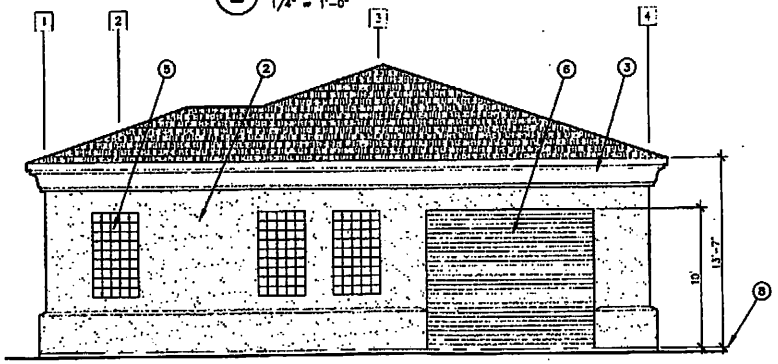
6



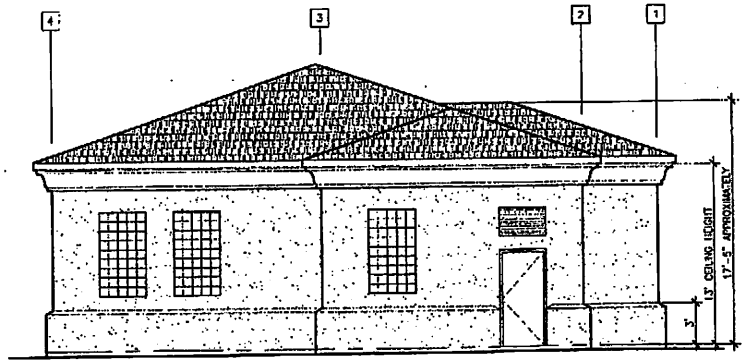
1 SOUTH ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



4 EAST ELEVATION
1/4" = 1'-0"



3 WEST ELEVATION
1/4" = 1'-0"

KEYNOTES

1. ASPHALT SHINGLES ON 30# ROOFING FELT ON OSB DECK ON WOOD ROOF FRAMING. SEE STRUCTURAL FOR FRAMING AND DECK THICKNESS.
2. 8"x8"x16" CONCRETE MASONRY UNIT (CMU) WALL WITH EXTERIOR INSULATED FINISH SYSTEM (E.I.F.S.).
3. FOAM CORNICE WITH E.I.F.S. SYSTEM
4. MAKE UP AIR LOUVER
5. 8"x8"x4" THICK GLASS BLOCK WINDOW.
6. ALUMINUM OVERHEAD COILING DOOR
7. HOLLOW METAL DOOR AND FRAME
8. FINISH FLOOR ELEVATION (F.F.E.)
9. FINISH GRADE
10. E.I.F.S. WAINSCOT
11. OPENING FOR CENTRIFUGE CONVEYOR BELT

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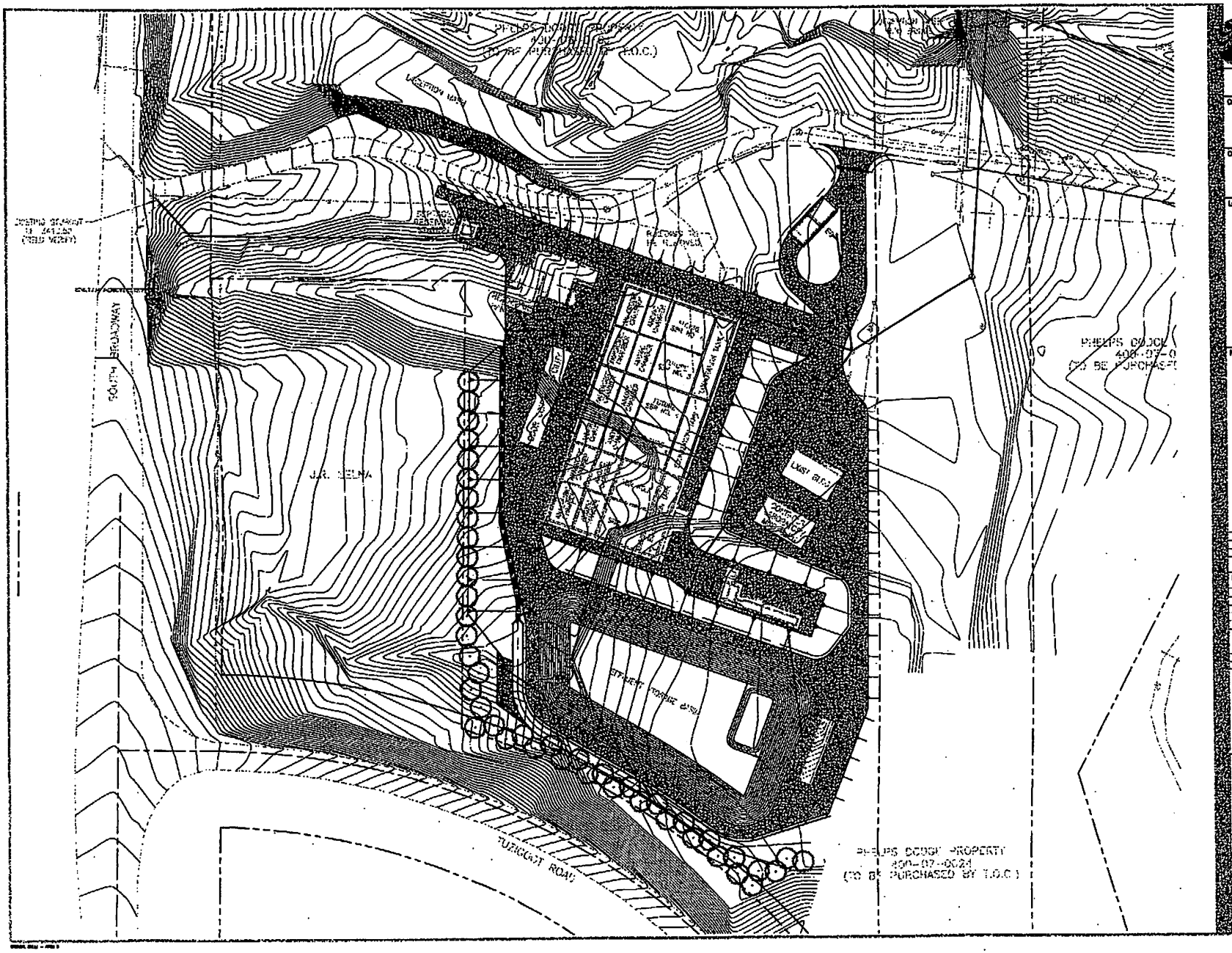
Client/Project
TOWN OF CLARKDALE

BROADWAY WATER RECLAMATION FACILITY
Clarkdale, AZ

Title
HEADWORKS BUILDING EXTERIOR ELEVATIONS

Project No.	Scale	
131310670	1/4" = 1'-0"	
Drawing No.	**Sheet**	**Revision**
A101	X of X	0


PHELPS DODGE PROPERTY
400-07-002A
(TO BE PURCHASED BY T.O.C.)
VACATION WAY
EXISTING SEWER
(FIELD VERIFY)
SOUTH BROADWAY
J.R. SELNA
EXISTING BUILDING
TO BE REMOVED
EXISTING WATER
EXISTING SEWER
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