

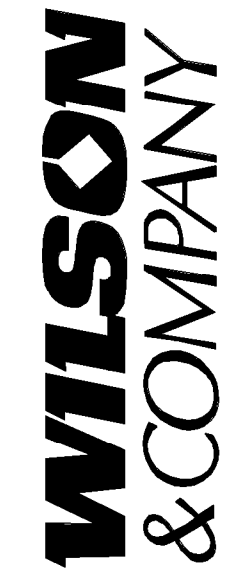
ROCA HONDA RESOURCES L.L.C.

ATTACHMENT 1 SELECTED CONSTRUCTION DRAWINGS FOR ROCA HONDA URANIUM MINE MINE OPERATIONS PLAN, REVISION 1 SECTIONS 9, 10 and 16 SITE IMPROVEMENTS INDEX

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SEAL

STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

PROJECT NAME

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD

DATE: JANUARY, 2012

SHEET TITLE
COVER

SHEET NO:
SHEET 1 OF 85

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ABBREVIATIONS

ABBREVIATION	TERM	ABBREVIATION	TERM
A/C	AIR CONDITION	SD	STORM DRAIN
A/C UNIT	AIR CONDITION UNIT	SDMH	STORM DRAIN MANHOLE
AD	AREA DRAIN	SEP TNK	SEPTIC TANK
ADJ	ADJOINING	SHLDR	SHOULDER
ALUM	ALUMINUM	SIG	SIGNAL
BALC	BALCONY	SP EL	SPOT ELEVATION
BC	BACK OF CURB	SS	SANITARY SEWER; STORM SEWER
BDRY	BOUNDARY	SW	SIDEWALK
BITUM	BITUMINOUS	TE	TOP ELEVATION
BL	BASE LINE	TOC	TOP OF CURB
BLDG	BUILDING	TOC WALL	TOP OF CONCRETE WALL
BM	BENCHMARK	TOPO	TOPOGRAPHY
BRG	BEARING	TOW	TOP OF WALL
BSMT	BASEMENT	TYP	TYPICAL
BU	BUSHEL	UGND	UNDERGROUND
C&G	CURB AND GUTTER	UTIL	UTILITY
CEM	CEMENT	WTR	WATER
CI	CURB INLET	YCO	YARD CLEANOUT
CNR	CORNER	YD	YARD DRAIN; YARD DRAIN PIPE
CO	CLEANOUT	YH	YARD HYDRANT
CONC	CONCRETE	YI	YARD INLET
CP	CONCRETE PIPE; CONTROL POINT		
CRT YD	COURTYARD		
CSP	CONCRETE SEWER PIPE		
CTR	CONTOUR		
CTRL	CONTROL		
D	DEPTH		
DA	DRAINAGE AREA		
DET	DETAIL		
DETN	DETENTION		
DI	DROP INLET		
DIM	DIMENSION		
DIR	DIRECTION		
DIST	DISTANCE		
DR	DRIVE; DRAIN		
DS	DOWNSPOUT		
EC	EDGE OF CURB		
EL	ELEVATION; EASEMENT LINE		
EOS	EDGE OF SLAB		
EP	EDGE OF PAVEMENT (PAVING)		
ES	EDGE OF SHOULDER		
ESMT	EASEMENT		
EXIST	EXISTING		
FD	FLOOR DRAIN		
FF EL	FINISHED FLOOR ELEVATION		
FLL	FLOW LINE		
FOC	FACE OF CURB		
G	GROUND		
GDR	GUARD RAIL		
HC	HANDICAP		
HDWL	HEADWALL		
HNDRL	HANDRAIL		
HT	HEIGHT		
HWY	HIGHWAY		
IMH	INLET MANHOLE		
INV	INVERT		
INV EL	INVERT ELEVATION		
J-BOX	JUNCTION BOX		
LDG	LANDING		
LDMK	LANDMARK		
LNDSOP	LANDSCAPE		
MH	MANHOLE		
MON	MONUMENT		
NTS	NOT TO SCALE		
OUT	OUTLET		
PB	PULLBOX		
PC	POINT OF CURVE		
PED	PEDESTAL		
PK LOT	PARKING LOT		
PL	PROPERTY LINE		
PP	PANEL POINT		
PRKG	PARKING		
PV	PAVED		
PV RD	PAVED ROAD		
R	RADIUS		
RR	RAILROAD (TIE)		
RD	ROAD; ROOF DRAIN		
SAN	SANITARY		

LEGENDS

UTILITIES LEGEND

EXISTING	NEW	
⊙	⊙	DEWATERING WELL
⊙	⊙	MONITORING WELL
⊗	⊗	WATER VALVE
□	□	REDUCER
⊗	⊗	FIRE HYDRANT
⊙	⊙	SANITARY SEWER MANHOLE
⊙	⊙	STORM DRAIN MANHOLE
⊙	⊙	LIFT STATION
■	■	SUMP PUMP
□	□	DRAINAGE INLET
—	—	DRAINAGE CULVERTS
⊗	⊗	GAS VALVE
⊙	⊙	LIGHT POLE
⊙	⊙	POWER POLE
⊗	⊗	TRANSFORMER ELECTRIC BOX
⊙	⊙	ELECTRIC METER
⊙	⊙	TELEPHONE MANHOLE
⊙	⊙	TELEPHONE PEDESTAL
— W —	— W —	POTABLE WATER LINE
— WR —	— WR —	WATER REUSE LINE
— MDW —	— MDW —	MINE DEWATERING LINE FROM SHAFT
— DW —	— DW —	MINE DEWATERING LINE FROM DEWATERING WELL
— SAS —	— SAS —	SANITARY SEWER LINE
— FM —	— FM —	SANITARY SEWER FORCE MAIN
— SD —	— SD —	STORM DRAIN LINE
— G —	— G —	PROPANE GAS LINE
— UGE —	— UGE —	UNDERGROUND ELECTRIC LINE
— OHE —	— OHE —	OVERHEAD ELECTRIC LINE
— UGT —	— UGT —	UNDERGROUND TELEPHONE LINE
— FO —	— FO —	UNDERGROUND FIBER OPTIC LINE

LEGEND

EXISTING	NEW	
△	△	HORIZONTAL & VERTICAL BENCHMARK
△	△	CONTROL POINT
X 7200	X 7200	SPOT ELEVATION
7200	7200	INDEX CONTOUR
~	~	INTERMEDIATE CONTOUR
~	~	DEPRESSION CONTOUR
▬	▬	BASE COURSE ROAD
▬	▬	IMPROVED DIRT ROAD
▬	▬	UNIMPROVED DIRT ROAD
—	—	CENTERLINE
—	—	CHAIN LINK FENCE
— X —	— X —	WIRE FENCE
—	—	GUARD RAIL
—	—	APPROXIMATE SECTION LINE
—	—	BOUNDARY
▨	▨	BUILDING
▨	▨	BASE COURSE MISC
▨	▨	RIPRAP
▨	▨	UNDISTURBED EARTH
▨	▨	COMPACTED EARTH



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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

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DESIGNED BY:	DMD	
DRAWN BY:	STAFF	
CHECKED BY:	DMD	
DATE:	JANUARY, 2012	
SHEET TITLE	LEGEND AND ABBREVIATIONS SHEET	
SHEET NO:	SHEET 2 OF 85	

UTILITY COMPANY	CONTACT NAME	PHONE NUMBER	UTILITY SERVICE
CONTINENTAL DIVIDE ELECTRIC	BRUCE PRICHARD	505-285-6656	CONTINENTAL DIVIDE ELECTRIC
OMI	ANTHONY MARTINEZ	505-290-1969	WATER
OMI	ANTHONY MARTINEZ	505-290-1969	WASTEWATER
NEW MEXICO GAS COMPANY	DAVID RIOS	505-287-3740	GAS
COMCAST	COMCAST	800-266-2270	CABLE
CENTURY LINK	CENTURY LINK	800-972-8805	PHONE

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Division 00 – Procurement and Contracting Requirements
 00 0101 Table of Contents
 00 0107 Seals Page
 00 7200 General Conditions

Division 01 – General Requirements
 01 1000 Summary
 01 2300 Additive Bid Items
 01 3000 Administrative Requirements
 01 3101 General Site Management Practices
 01 3300 Submittal Procedures
 01 4000 Quality Requirements
 01 5000 Temporary Facilities and Controls
 01 6000 Product Requirements
 01 7000 Execution and Closeout Requirements

Division 03 – Concrete
 03 3000 Cast-in-Place Concrete
 03 3900 Concrete Curing

Division 04 – Masonry
 04 2731 Reinforced Unit Masonry

Division 05 – Metals
 05 1200 Structural Steel Framing
 05 4000 Cold-Formed Metal Framing
 05 5000 Metal Fabrications
 05 5100 Metal Stairs
 05 5213 Pipe and Tube Railings

Division 06 – Wood and Plastics
 06 1000 Rough Carpentry
 06 4100 Architectural Wood Casework
 06 8201 Glass-Fiber Reinforced Plastic Panels

Division 07 – Thermal & Moisture Protection
 07 9005 Joint Sealers

Division 08 – Openings
 08 1113 Steel Doors and Frames
 08 1416 Flush Wood Doors
 08 3100 Access Doors and Panels
 08 3313 Coiling Counter Doors
 08 3323 Overhead Coiling Doors
 08 5113 Aluminum Windows
 08 7100 Door Hardware
 08 8000 Glazing
 08 8300 Mirrors

Division 22 - Plumbing
 22 0553 Identification for Plumbing Piping and Equipment
 22 0719 Plumbing Piping Insulation
 22 1005 Plumbing Piping
 22 4000 Plumbing Fixtures

Division 23 - Heating, Ventilating, and Air-Conditioning (HVAC)
 23 0553 Identification for HVAC Piping and Equipment
 23 0593 Testing, Adjusting, and Balancing for HVAC
 23 0713 Duct Insulation
 23 3100 HVAC Ducts and Casings
 23 3300 Air Duct Accessories
 23 3700 Air Outlets and Inlets
 23 7400 Heat Pump

Division 26 – Electrical
 26 0500 Basic Electrical Materials and Methods
 26 0513 Medium Voltage Cables
 26 0519 Conductors and Cables
 26 0526 Grounding and Bonding
 26 0533 Raceway and Boxes
 26 0536 Cable Tray
 26 0553 Electrical Identification
 26 0923 Lighting Control Devices
 26 1213 Medium Voltage Transformers
 26 1800 Overhead Electrical Distribution
 26 1819 Lightning Arrestors, Medium Voltage
 26 2416 Panelboards
 26 2417 Load Centers
 26 2726 Wiring Devices
 26 2816 Safety Switches and Enclosed Circuit Breakers
 26 3213 Standby Generator
 26 3623 Automatic Transfer Switch
 26 4113 Lightning Protection for Structures
 26 4313 Surge Protective Devices (SPD)
 26 5100 Lighting

Division 27 – Communications
 27 1000 Communications

Division 28 – Electronic Safety and Security
 28 3100 Fire Detection and Alarm

Division 31 – Earthwork
 31 1000 Site Clearing
 31 2000 Earth Moving
 31 2136 Excavation
 31 2323 Fill
 31 2500 Erosion and Sedimentation Controls

NOTE: COMPLETE SPECIFICATIONS PACKAGE WILL
 BE INCLUDED WITH FINAL CONSTRUCTION
 PACKAGE



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 ROCA HONDA MINES
 SECTION 9, 10 & 16
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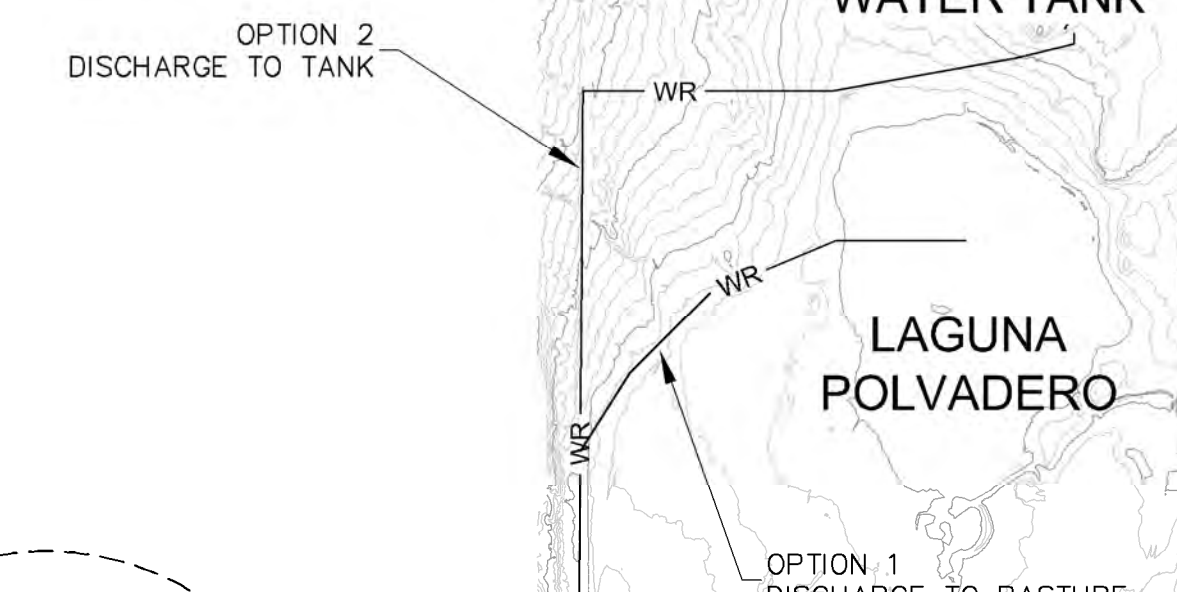
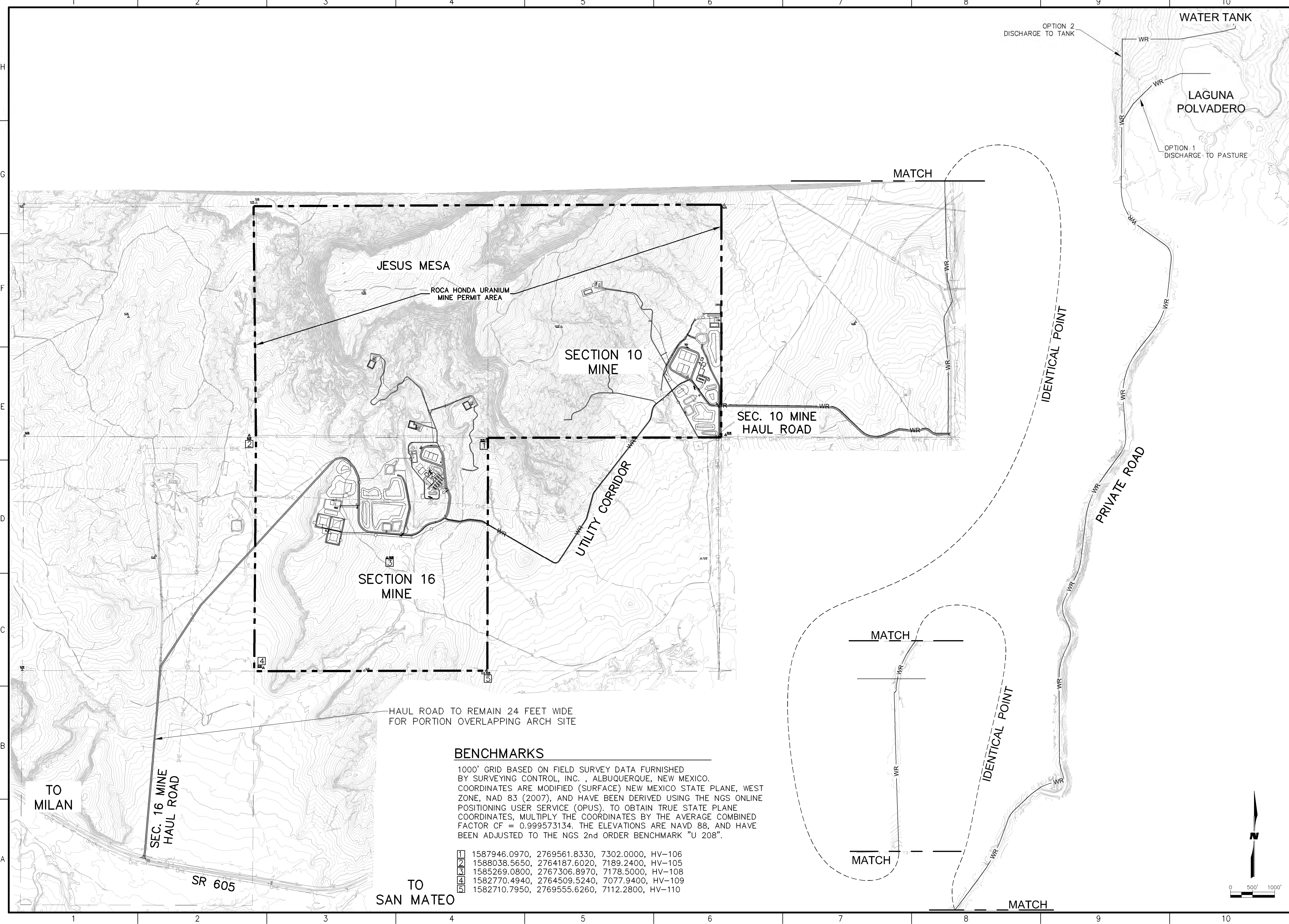
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SHEET TITLE
 SPECIFICATIONS SHEET

SHEET NO:
 SHEET 3 OF 85

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JESUS MESA

ROCA HONDA URANIUM MINE PERMIT AREA

SECTION 10 MINE

SEC. 10 MINE HAUL ROAD

UTILITY CORRIDOR

SECTION 16 MINE

HAUL ROAD TO REMAIN 24 FEET WIDE FOR PORTION OVERLAPPING ARCH SITE

TO MILAN

SEC. 16 MINE HAUL ROAD

SR 605

TO SAN MATEO

BENCHMARKS

1000' GRID BASED ON FIELD SURVEY DATA FURNISHED BY SURVEYING CONTROL, INC., ALBUQUERQUE, NEW MEXICO. COORDINATES ARE MODIFIED (SURFACE) NEW MEXICO STATE PLANE, WEST ZONE, NAD 83 (2007), AND HAVE BEEN DERIVED USING THE NGS ONLINE POSITIONING USER SERVICE (OPUS). TO OBTAIN TRUE STATE PLANE COORDINATES, MULTIPLY THE COORDINATES BY THE AVERAGE COMBINED FACTOR OF = 0.999573134. THE ELEVATIONS ARE NAVD 88, AND HAVE BEEN ADJUSTED TO THE NGS 2nd ORDER BENCHMARK "U 208".

- 1 1587946.0970, 2769561.8330, 7302.0000, HV-106
- 2 1588038.5650, 2764187.6020, 7189.2400, HV-105
- 3 1585269.0800, 2767306.8970, 7178.5000, HV-108
- 4 1582770.4940, 2764509.5240, 7077.9400, HV-109
- 5 1582710.7950, 2769555.6260, 7112.2800, HV-110



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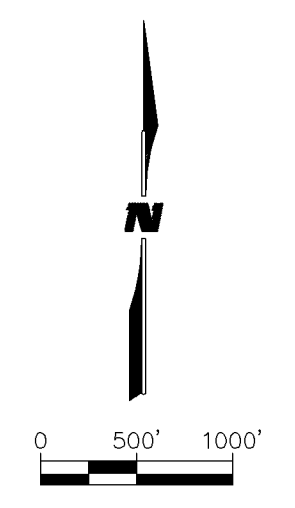
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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

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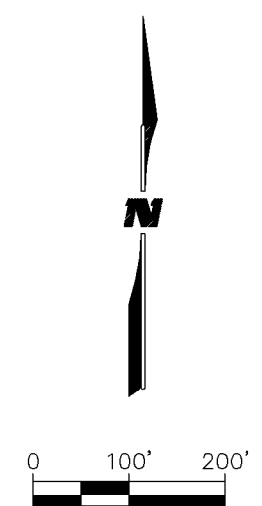
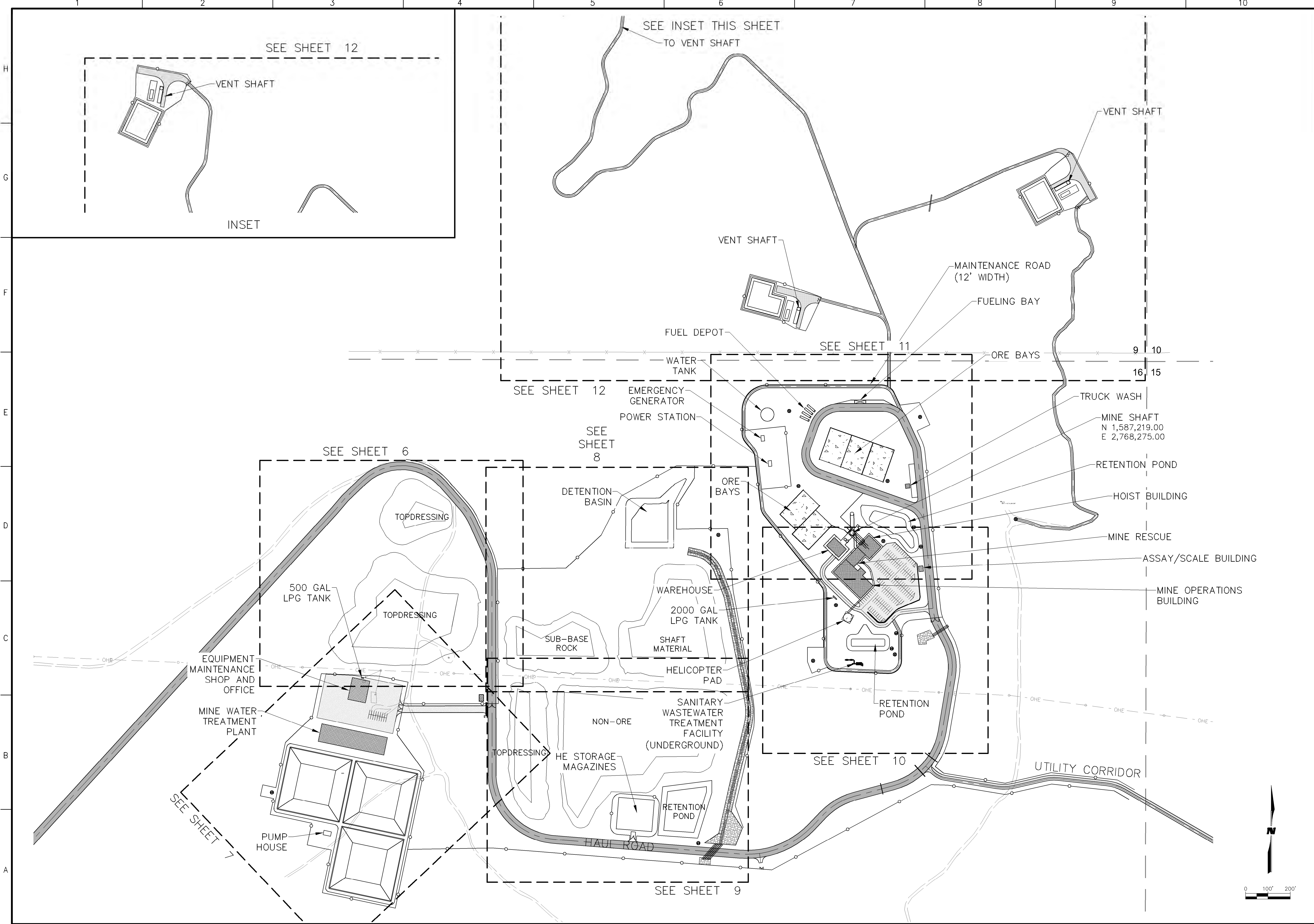
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SHEET TITLE
ROCA HONDA MINES
OVERALL SITE
PLAN

SHEET NO:
SHEET 4 OF 85



M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_05 MINE 16 OVERALL SITE.DWG
9/27/11



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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

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DESIGNED BY: DMD
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CHECKED BY: DMD

DATE: JANUARY, 2012
SHEET TITLE
**SECTION 16 MINE
OVERALL
SITE PLAN**

SHEET NO:
SHEET 5 OF 85

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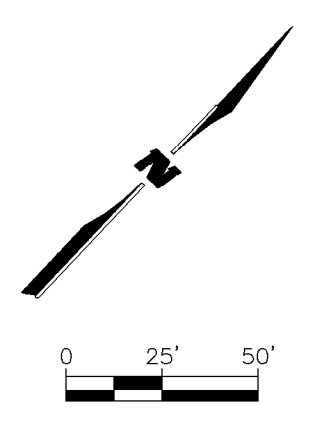
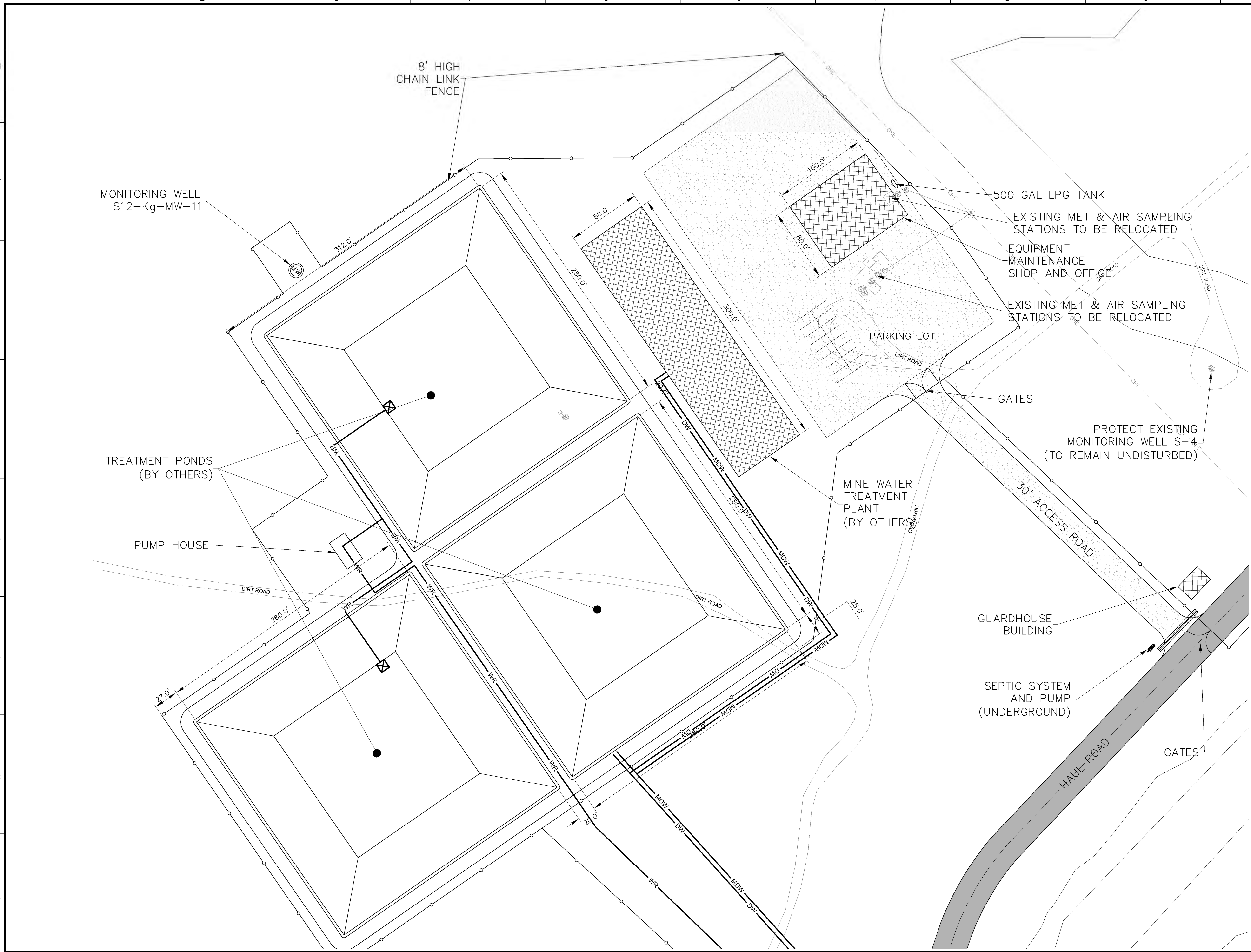
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SHEET TITLE
SECTION 16 MINE
NW STOCKPILE
SITE PLAN

SHEET NO:
SHEET 6 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_05 MINE 16 SITE 1.DWG
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ROCA HONDA MINES
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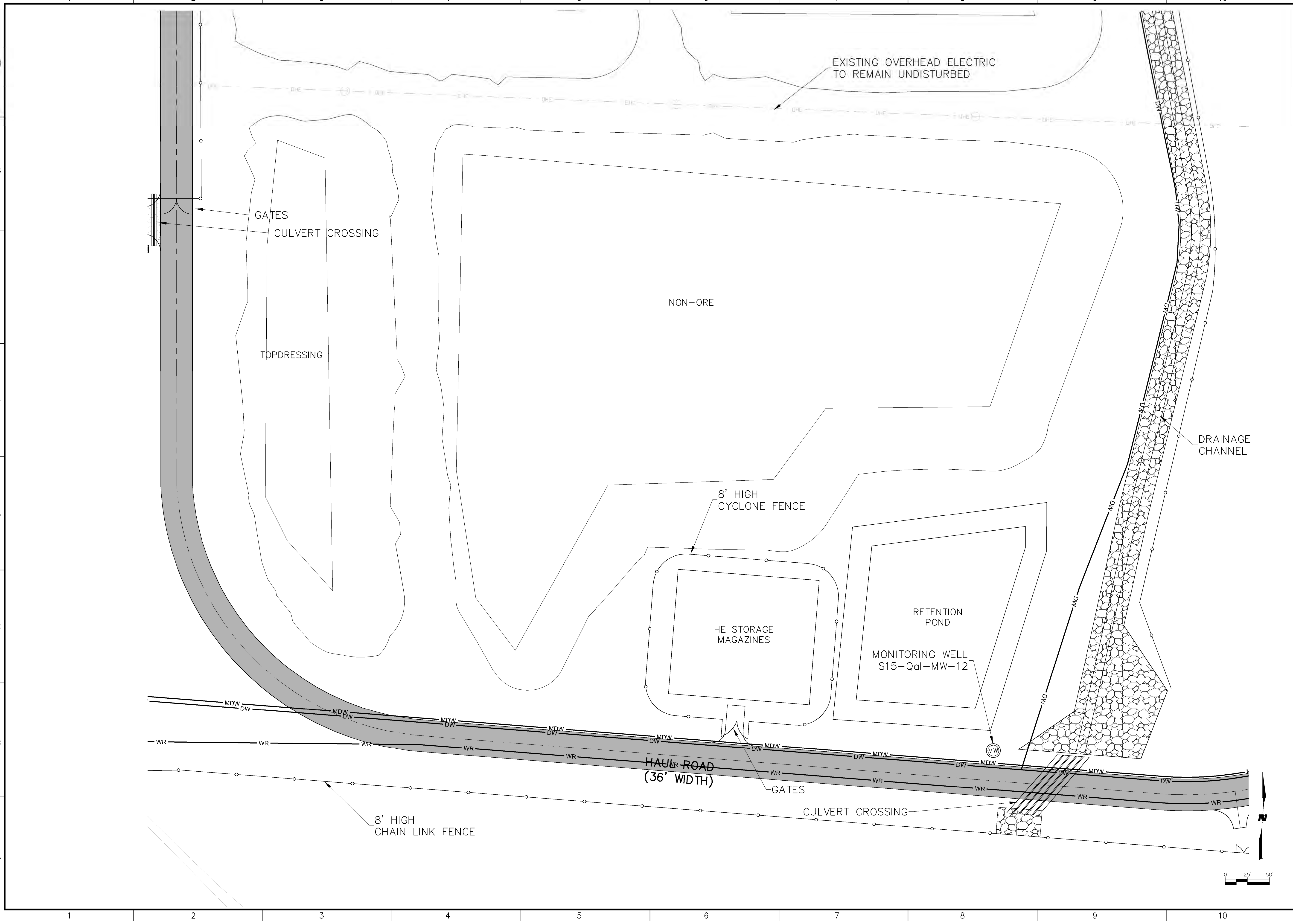
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SHEET TITLE
SECTION 16 MINE
WTP
SITE PLAN

SHEET NO:
SHEET 7 OF 85

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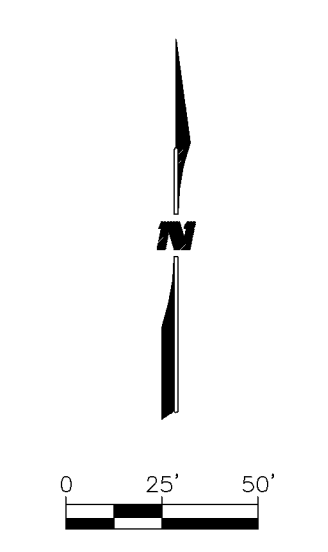
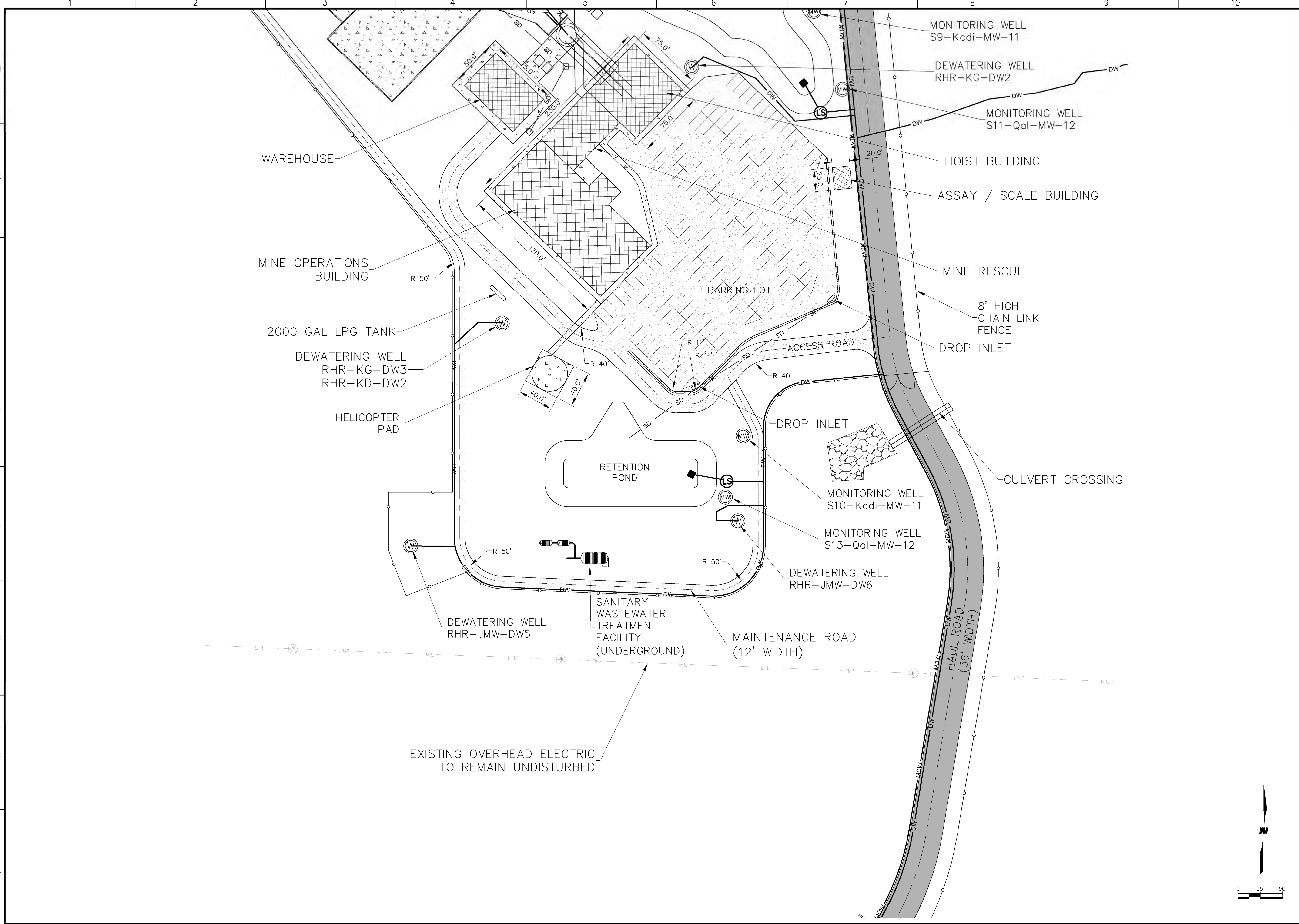
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SHEET TITLE
SECTION 16 MINE
SOUTH STOCKPILE
SITE PLAN

SHEET NO:
SHEET 9 OF 85

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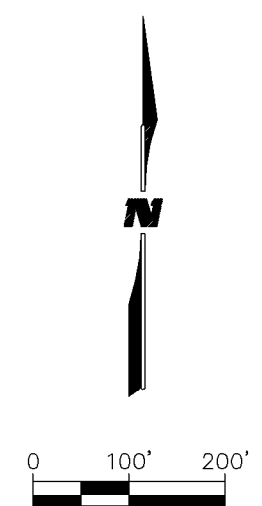
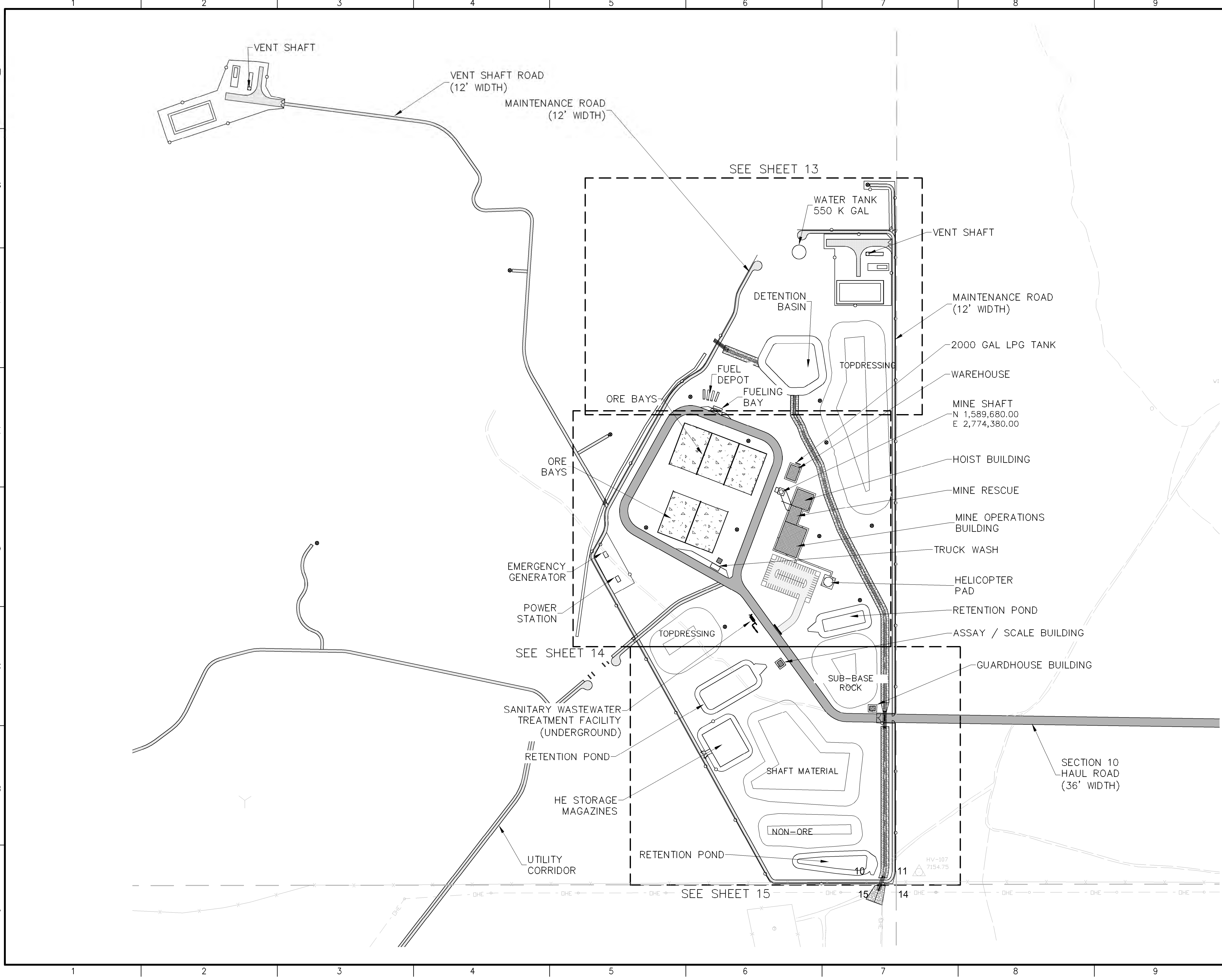
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SHEET TITLE
**SECTION 16 MINE
SOUTH FACILITY
SITE PLAN**
SHEET NO:
SHEET 11 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019_05 MINE 10 OVERALL SITE.DWG
1/6/12



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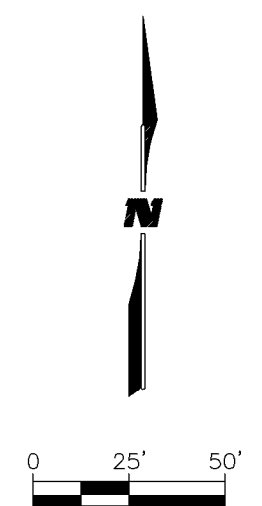
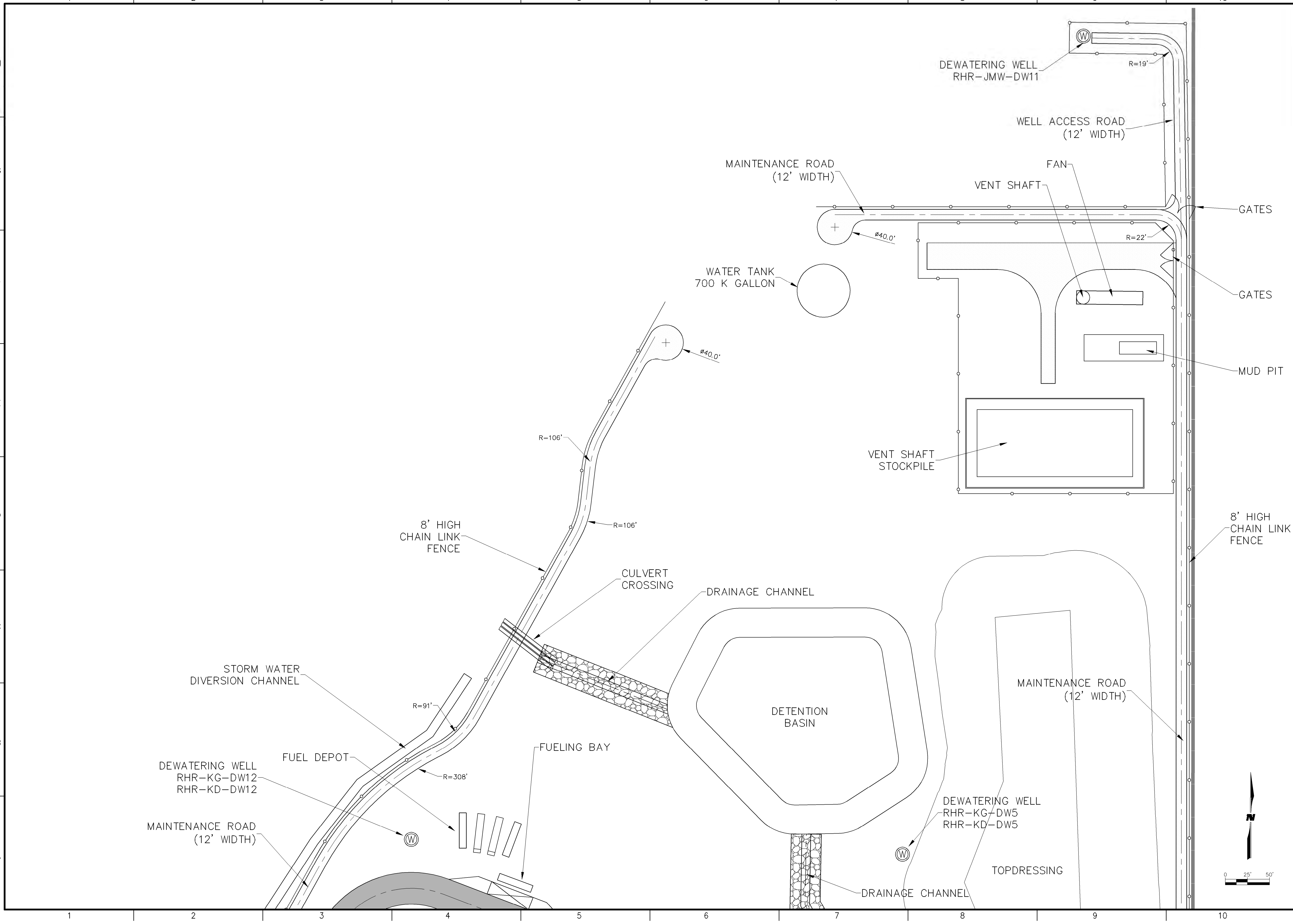
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SHEET TITLE
SECTION 10 MINE
OVERALL
SITE PLAN

SHEET NO:
SHEET 12 OF 85

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1/6/12



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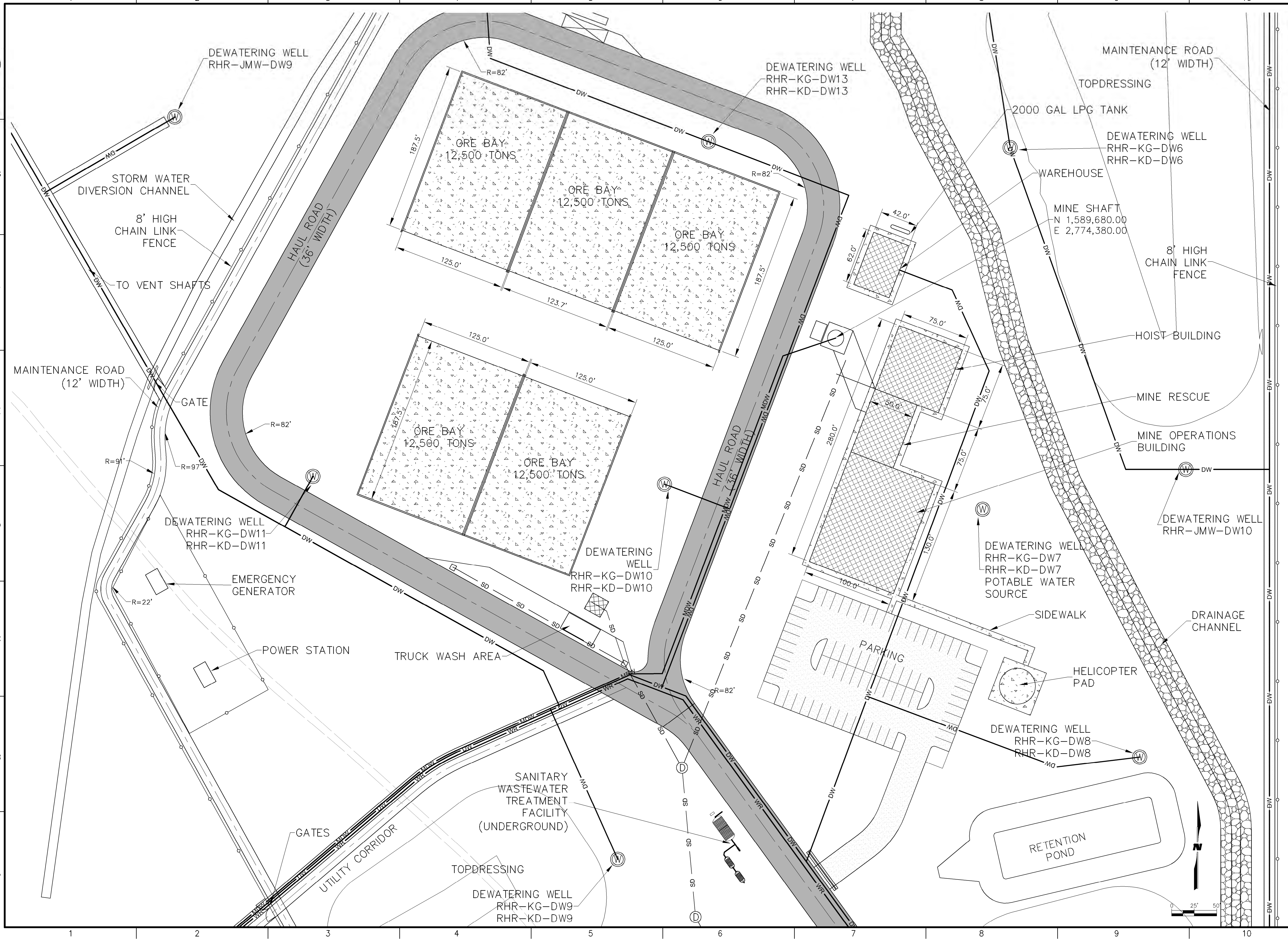
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**SECTION 10 MINE
SITE PLAN**

SHEET NO:
SHEET 13 OF 85

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1/6/12



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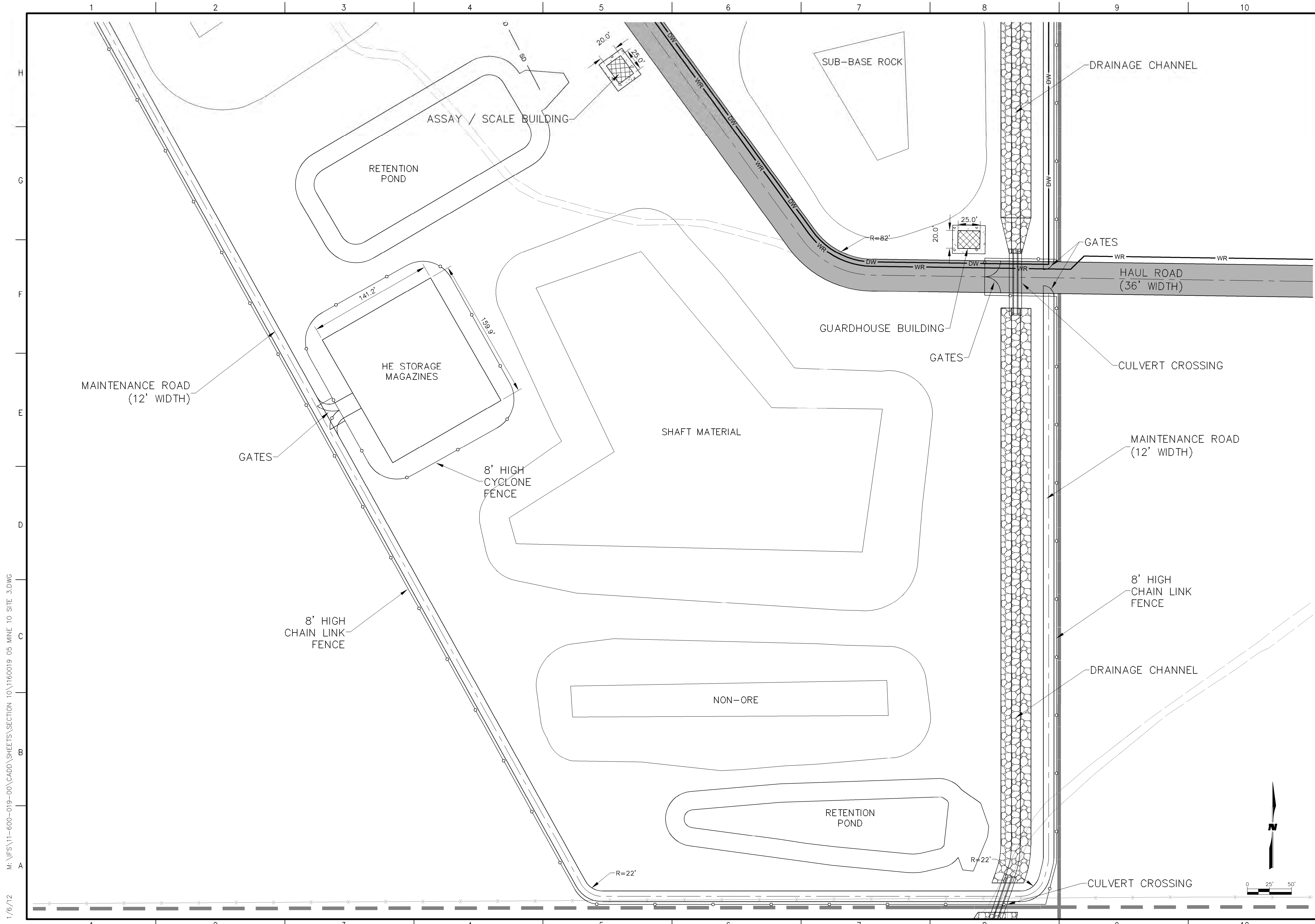
PROJECT NAME
**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 10 MINE
SITE PLAN**

SHEET NO:
SHEET 14 OF 85



M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019_05 MINE 10 SITE 3.DWG
1/6/12



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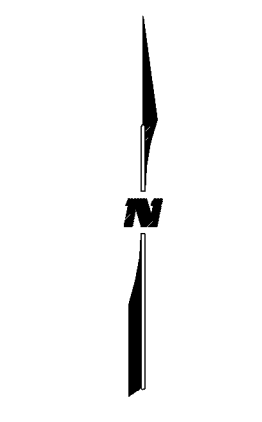
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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

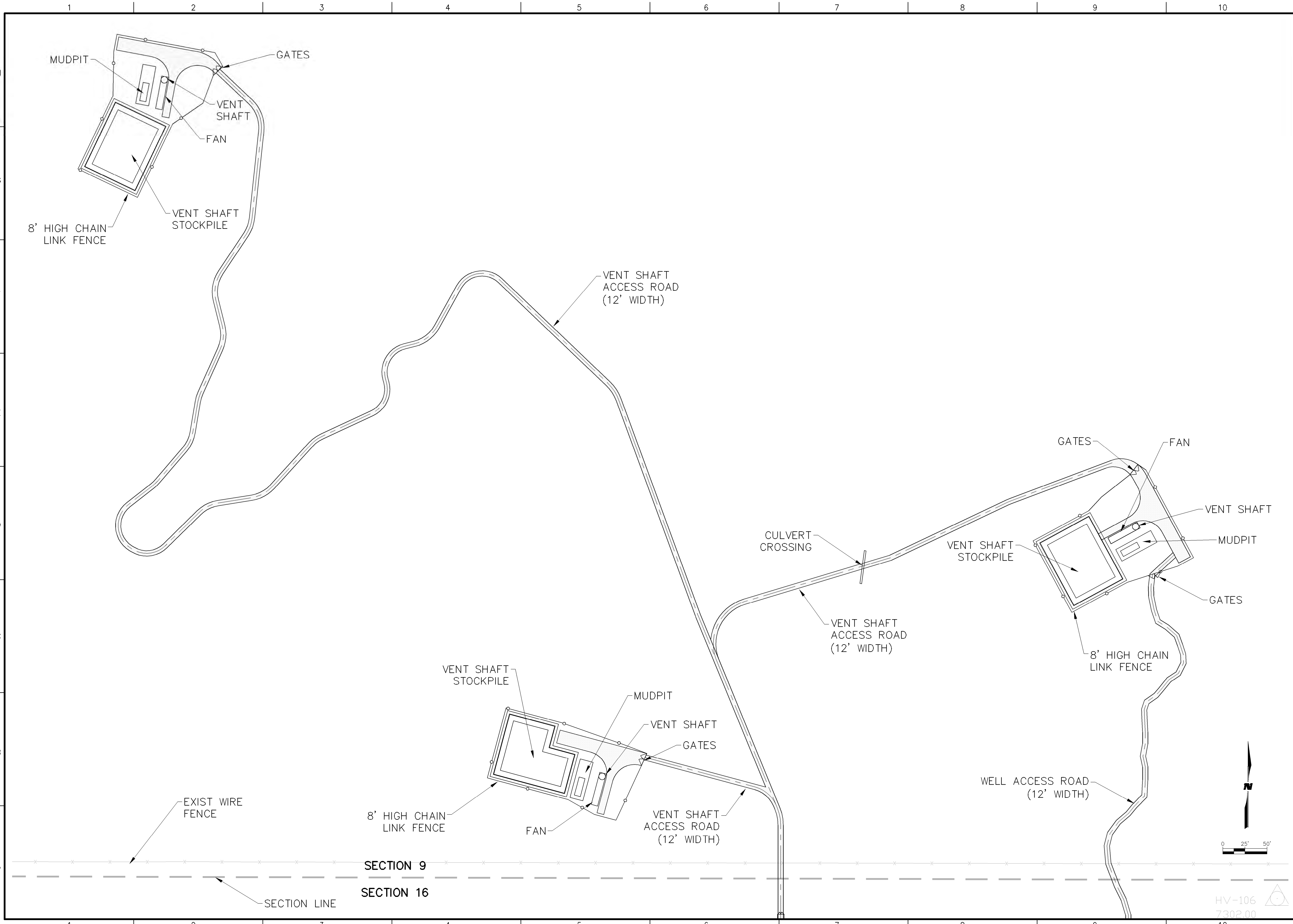
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 10 MINE
SITE PLAN

SHEET NO:
SHEET 15 OF 85



9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_05 MINE 16 SITES SEC 9.DWG



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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
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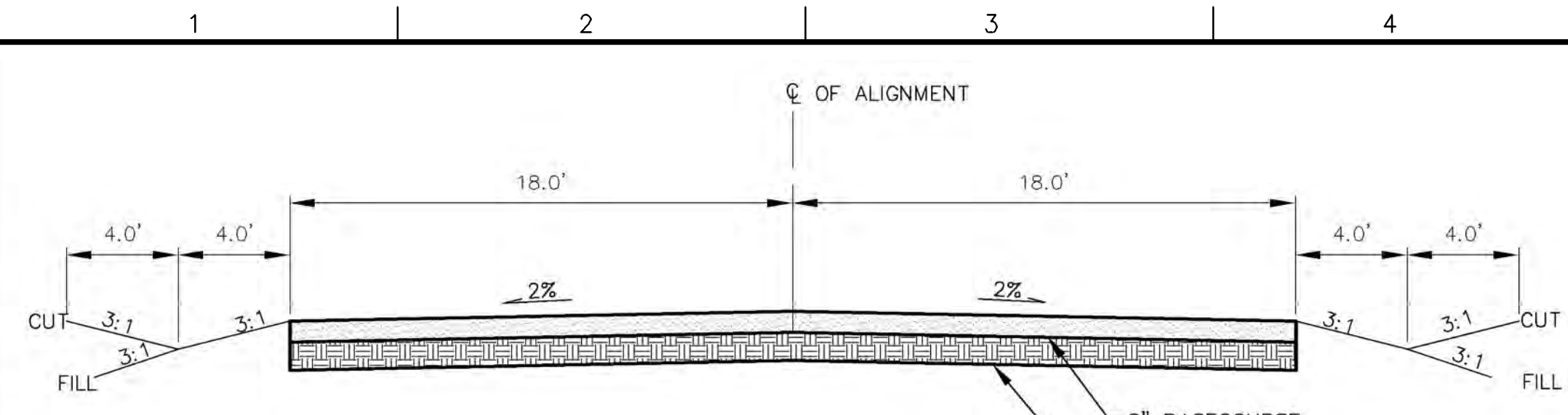
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**SECTION 9
SITE PLAN**

SHEET NO:
SHEET 16 OF 85

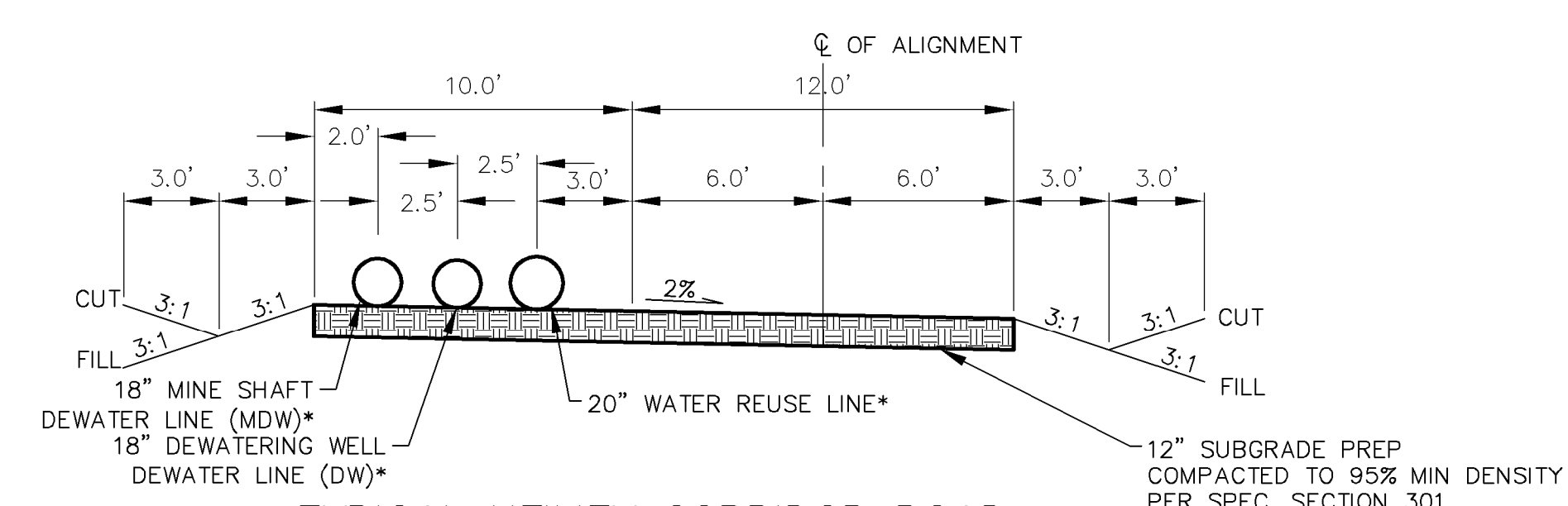
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7302.00

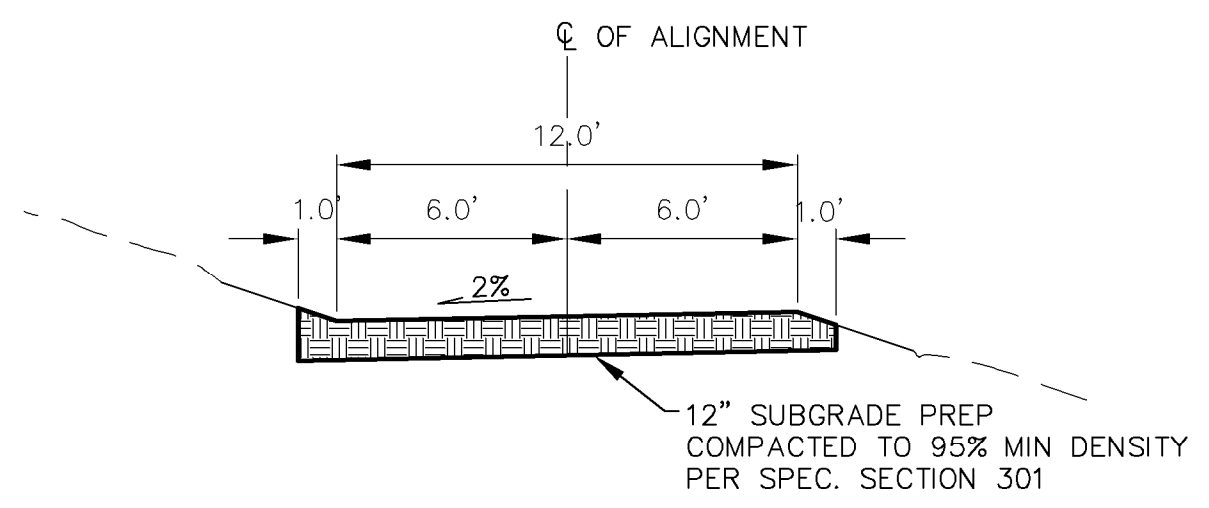
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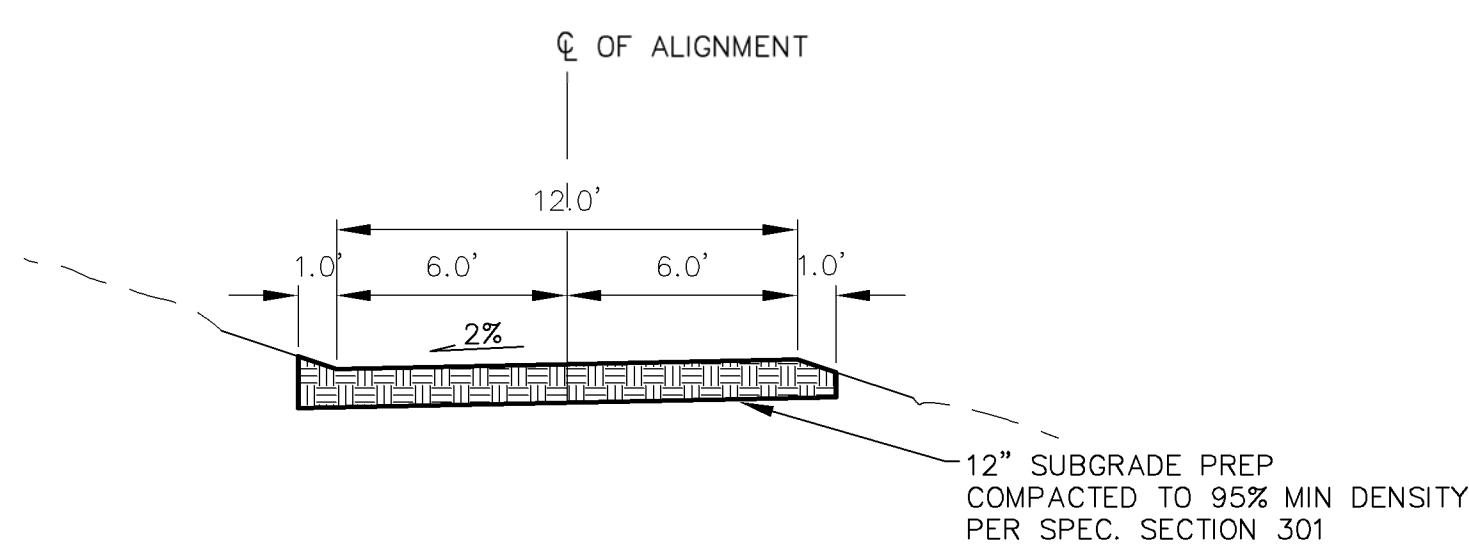
TYPICAL HAUL ROAD
SCALE: 1" = 5'



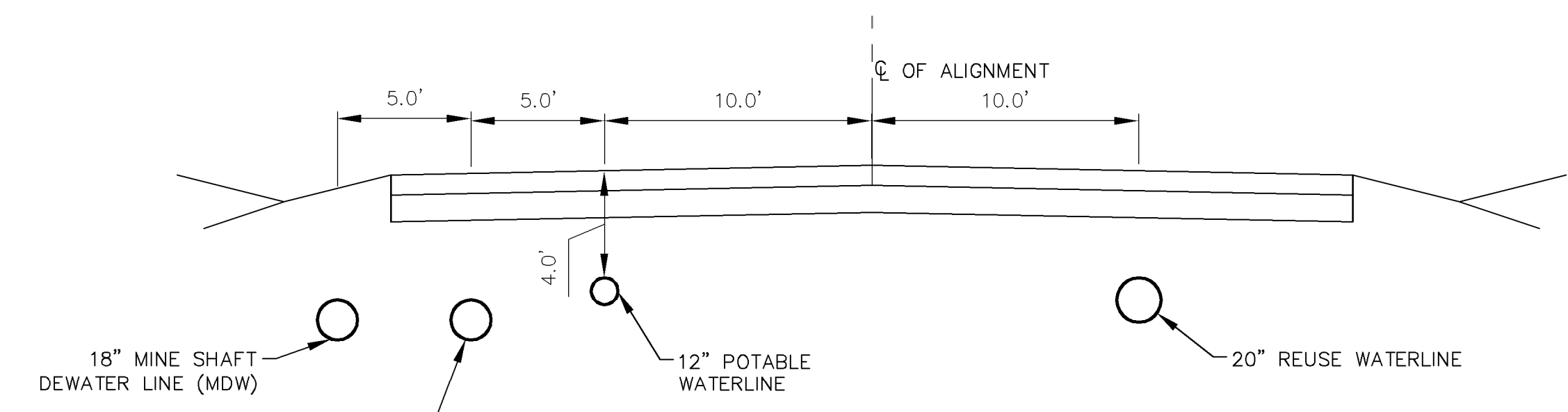
TYPICAL UTILITY CORRIDOR ROAD
SCALE: 1" = 5'
*SPACING DEVICE TO ENSURE PIPES STAY WITH SHOWN SPACING IS TBD IN 90% DESIGN



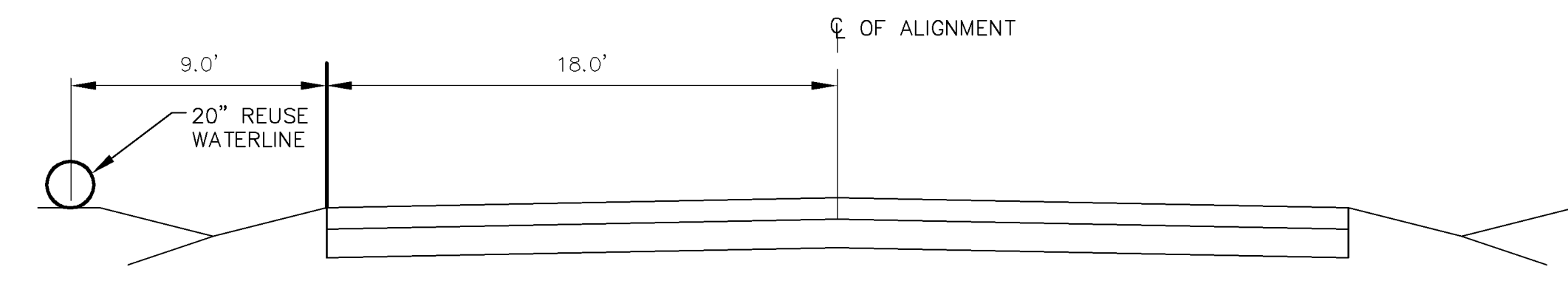
TYPICAL MAINTENANCE ROAD
SCALE: 1" = 5'



TYPICAL VENT SHAFT ROAD
SCALE: 1" = 5'



SECTIONS 10 & 16 SOUTH FACILITY HAUL ROAD
TYPICAL UTILITY LOCATION
SCALE: 1" = 5'



SECTIONS 10 & 11 HAUL ROAD
TYPICAL UTILITY LOCATION
SCALE: 1" = 5'



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**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

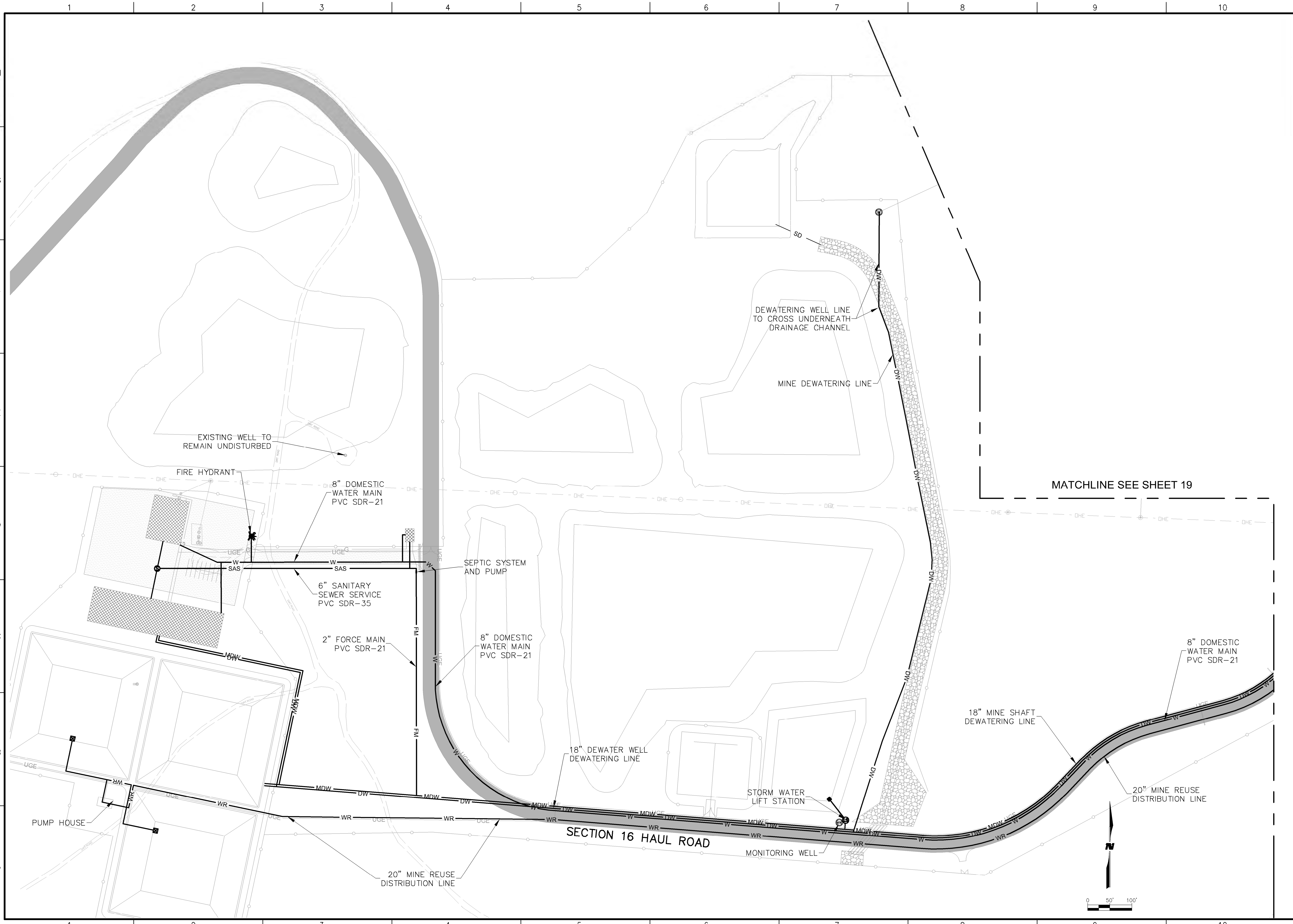
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
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CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**TYPICAL
SECTIONS**

SHEET NO:
SHEET 17 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_09 UTILITY PLAN.DWG
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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

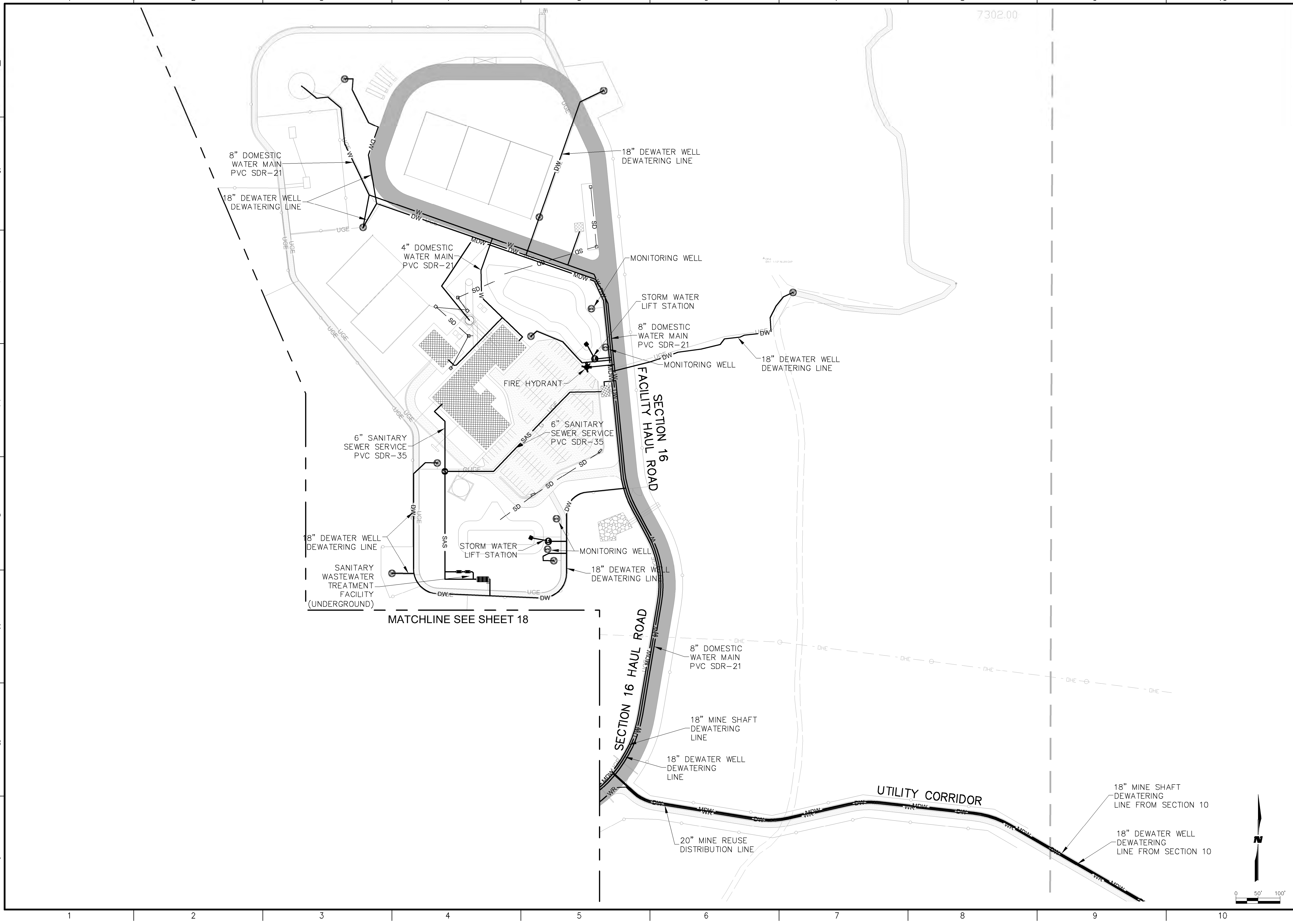
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
OVERALL UTILITY
PLAN**

SHEET NO:
SHEET 18 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_09 UTILITY PLAN.DWG
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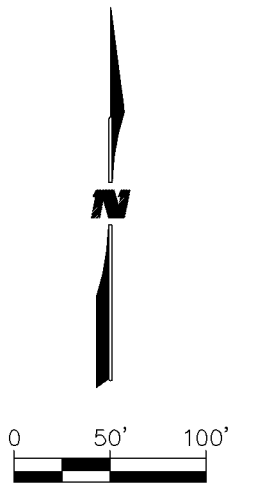
PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

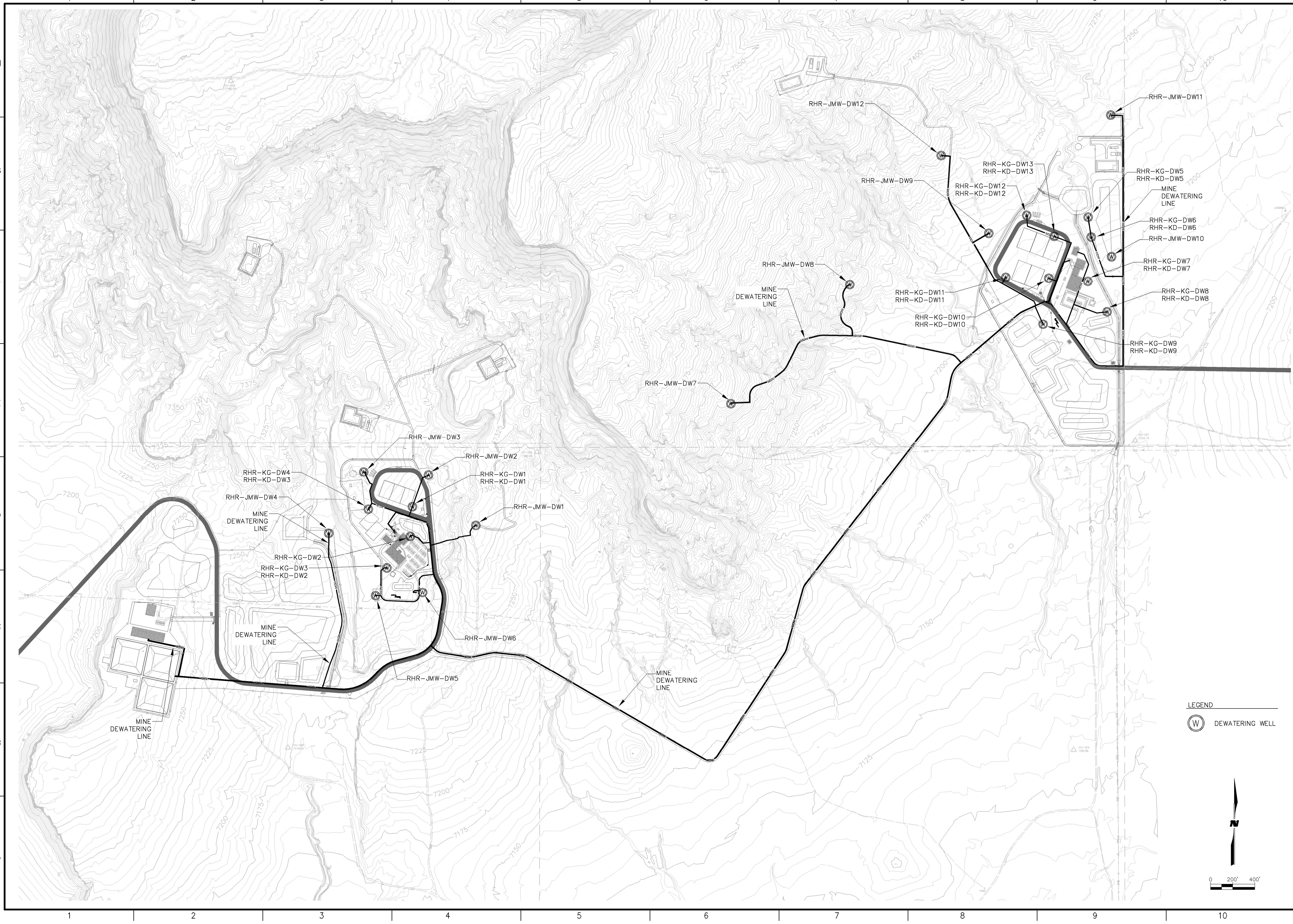
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DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012
SHEET TITLE

SECTION 16
OVERALL UTILITY
PLAN

SHEET NO:
SHEET 19 OF 85



M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 10 DEWATER PLAN.DWG
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SECTION 9, 10 & 16
SITE DEVELOPMENT

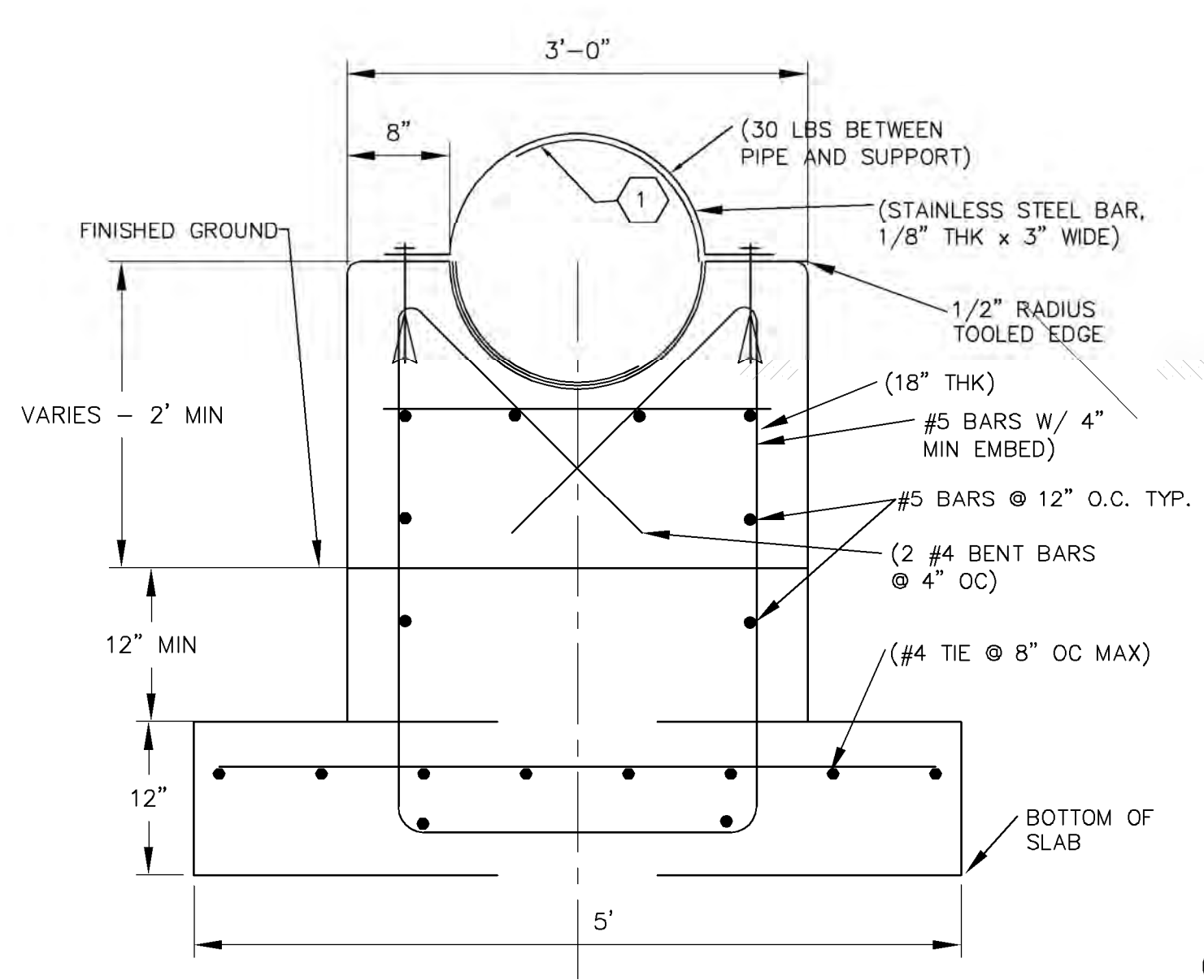
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DESIGNED BY: DMD
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DATE: JANUARY, 2012

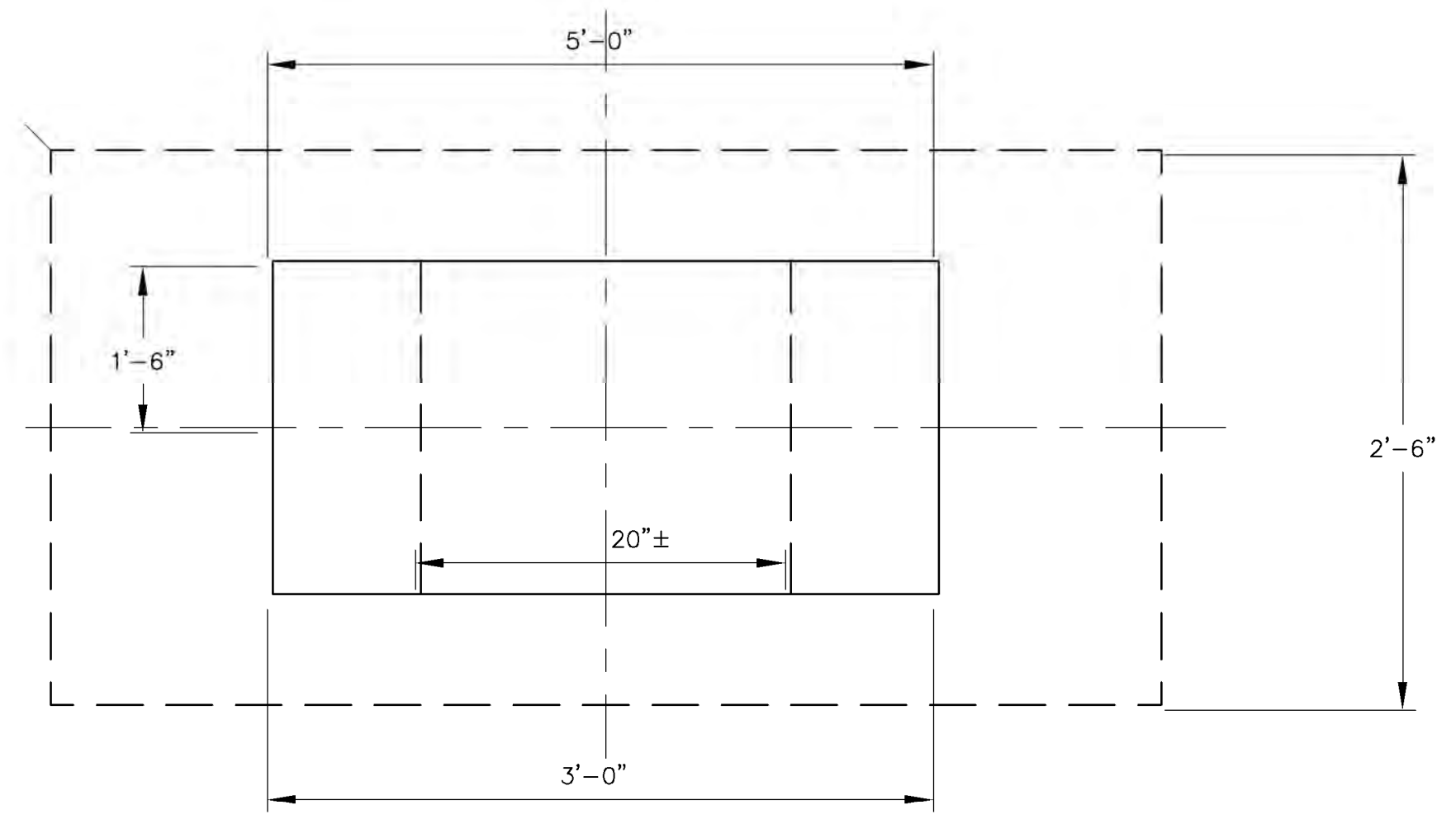
SHEET TITLE
MINE DEWATERING PLAN

SHEET NO:
SHEET 21 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 10B WATER REUSE PL-DT.LS.DWG
9/27/11

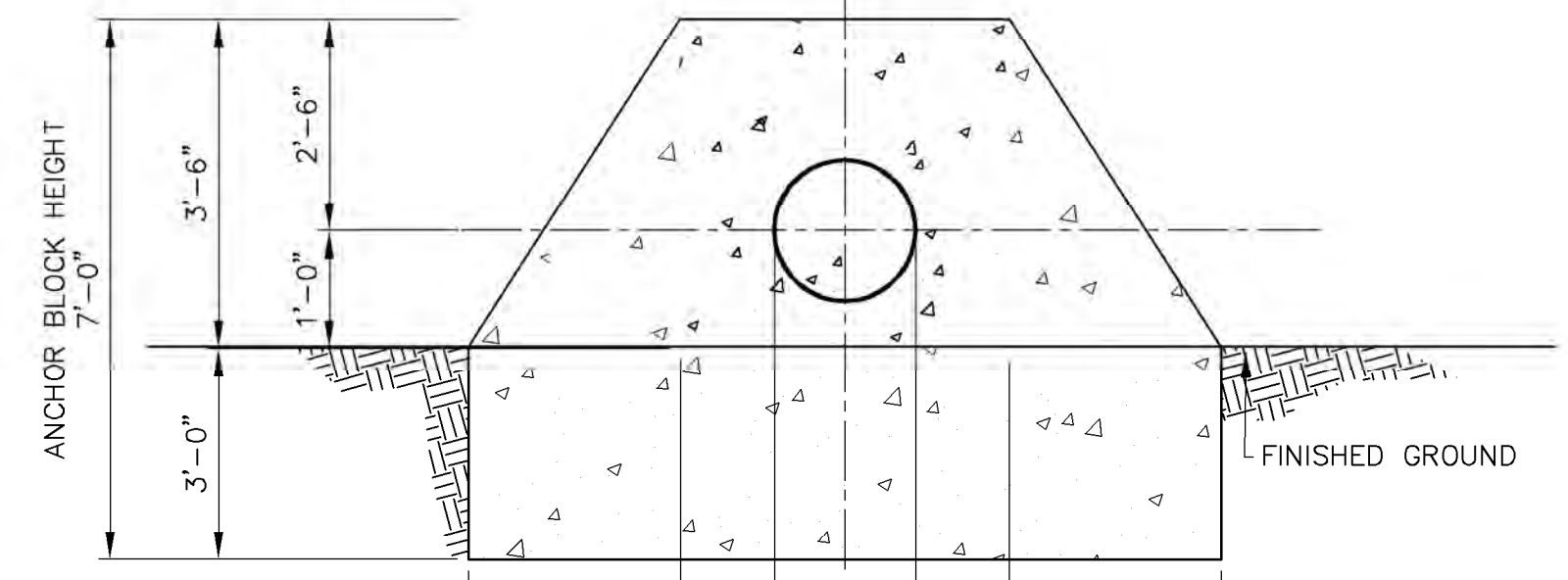


CONCRETE PIPE SUPPORT A
NTS



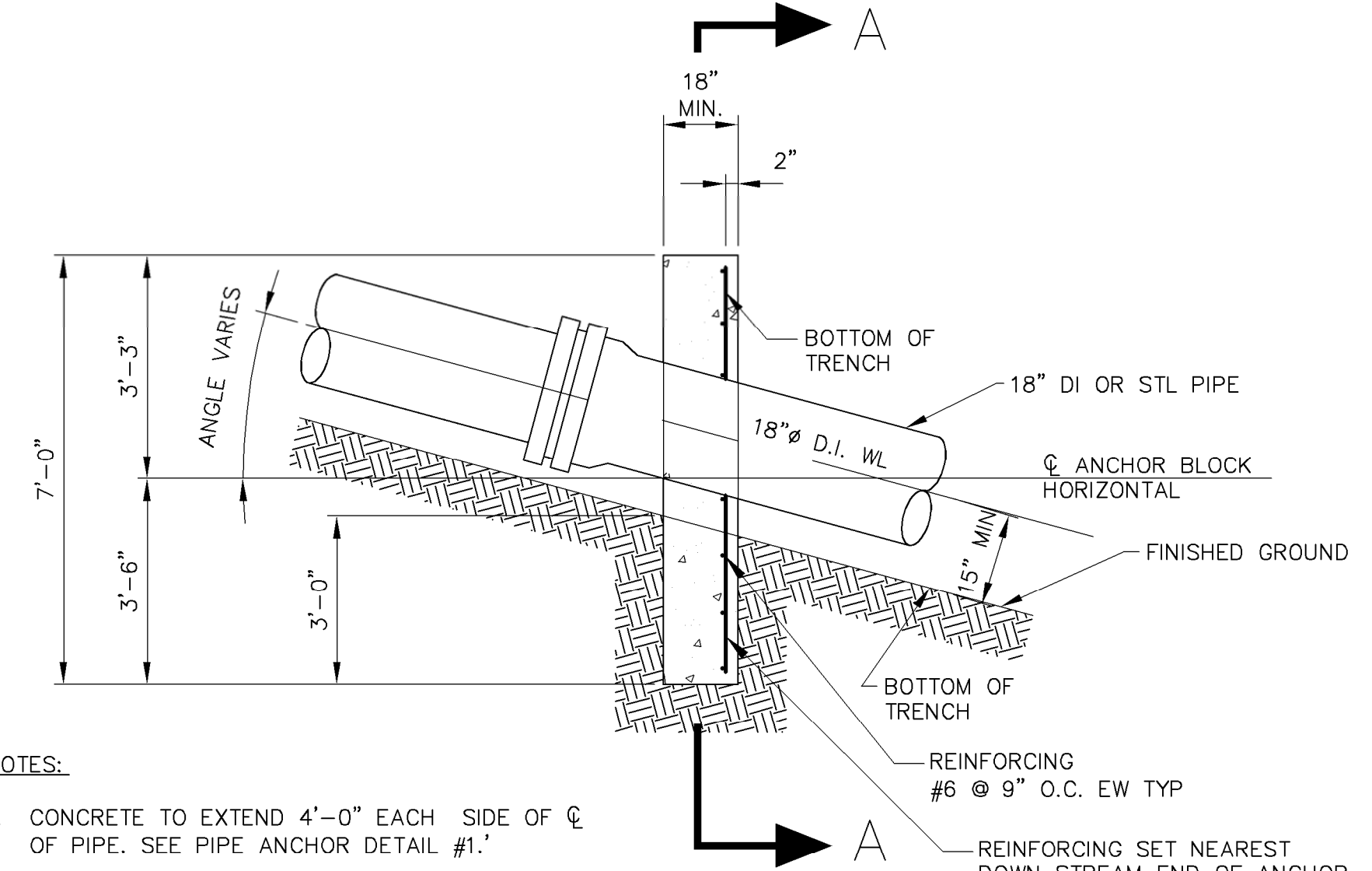
CONC PIPE SUPPORT A
NTS

GENERAL NOTES
1. DISTANCES BETWEEN SUPPORTS ARE DEPENDENT UPON TERRAIN AND PIPING MATERIAL SELECTED.



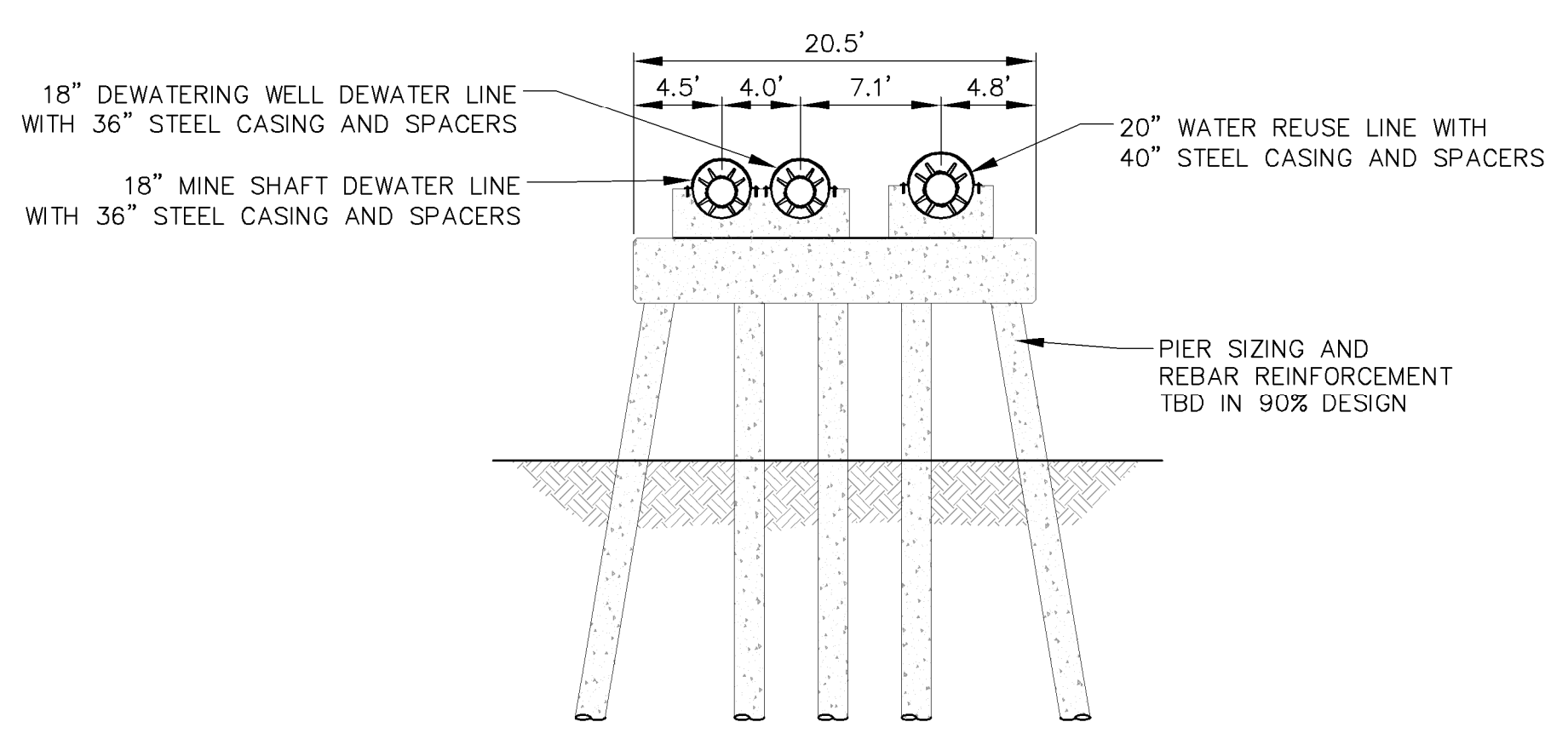
SECTION A-A
NTS

NOTES:
1. CONCRETE SHALL EXTEND A MINIMUM OF 2'-3" INTO UNDISTURBED SOIL ON BOTH SIDES, OR HAVE A MINIMUM OF 19 S.F. BEARING SURFACE AGAINST UNDISTURBED SOIL.
2. CONCRETE ANCHOR SHALL BE A MINIMUM OF 2 INCHES THICK OR ONE BUCKET WIDTH, WHICHEVER IS GREATER.

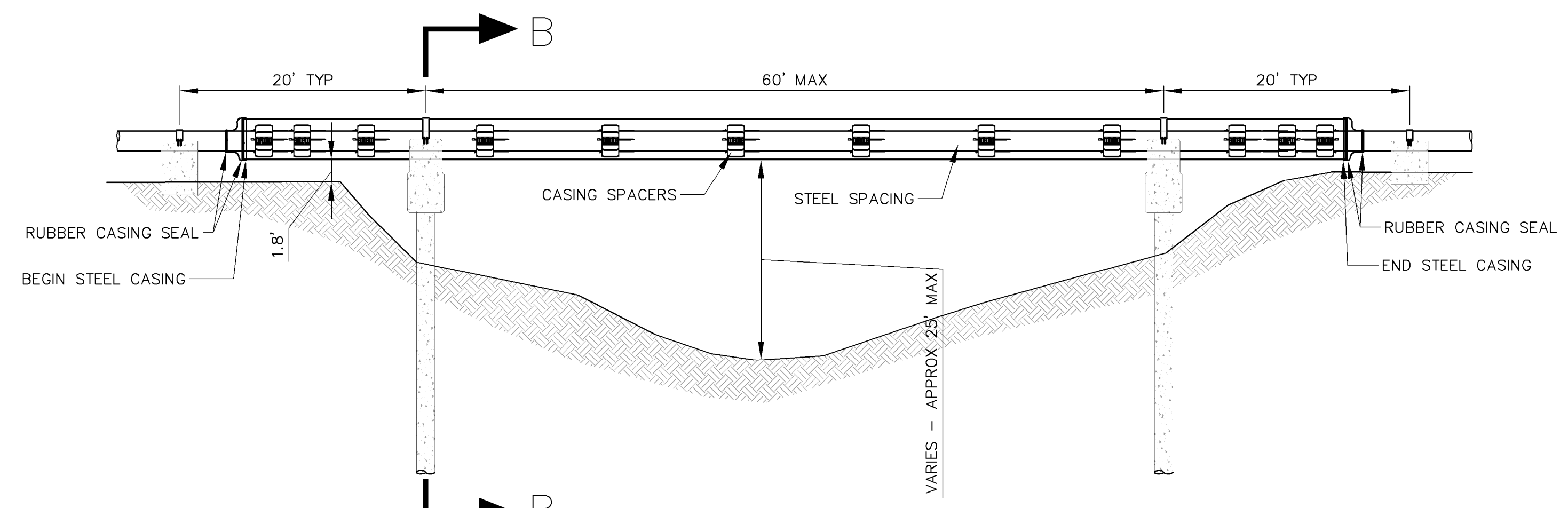


CONCRETE PIPE SUPPORT B (FOR SLOPED CONDITION)
NTS

NOTES:
1. CONCRETE TO EXTEND 4'-0" EACH SIDE OF ϕ OF PIPE. SEE PIPE ANCHOR DETAIL #1.
REINFORCING SET NEAREST DOWN STREAM END OF ANCHOR (REVERSE FOR OPPOSITE BANK)



SECTION B-B
SCALE: 1" = 100'



TYPICAL UTILITY BRIDGE DETAIL
SCALE: 1" = 100'



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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

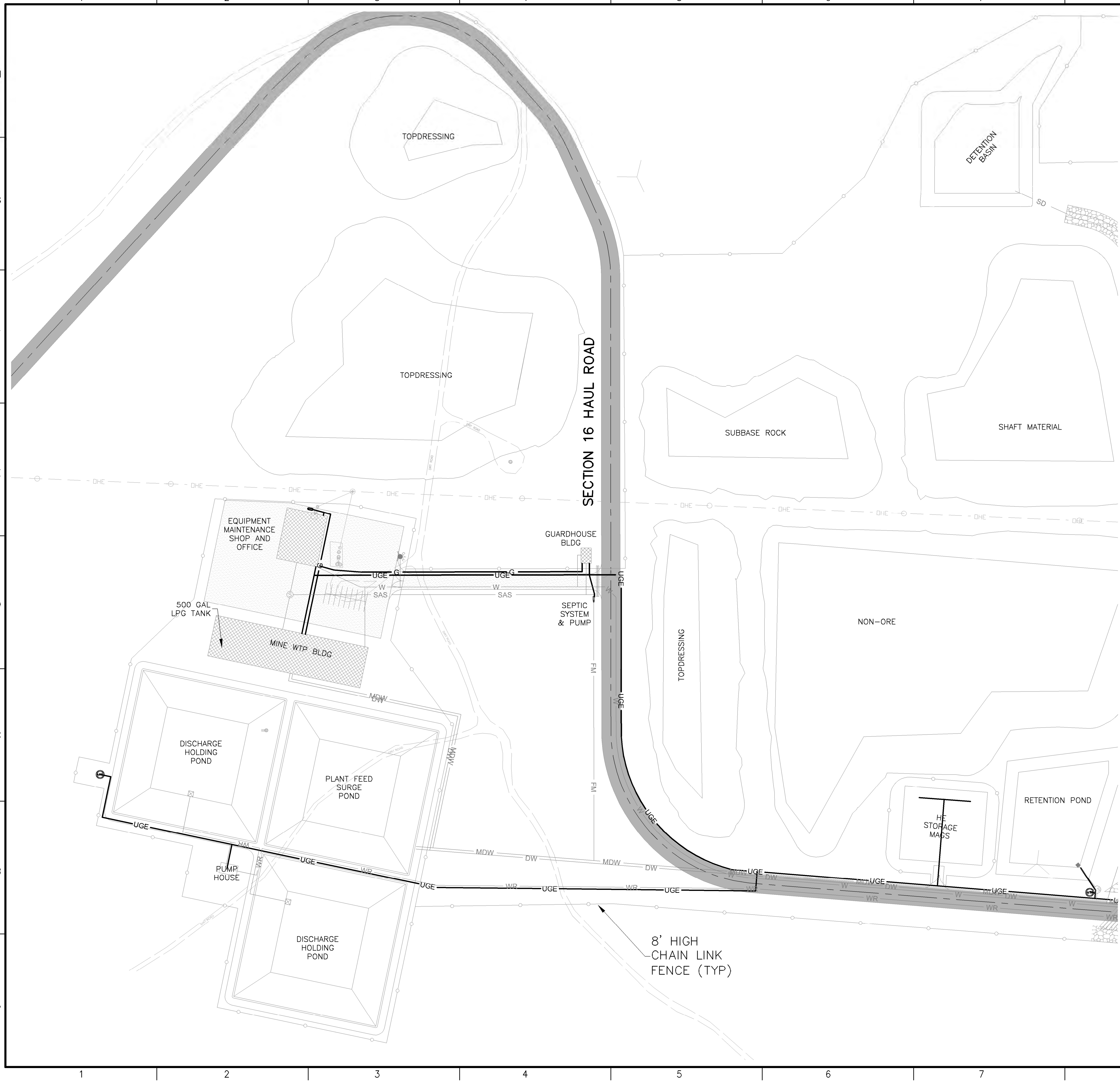
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**WATER REUSE
PIPE DETAILS**

SHEET NO:
SHEET 22 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 10C DRY UTIL PLAN-S16.DWG
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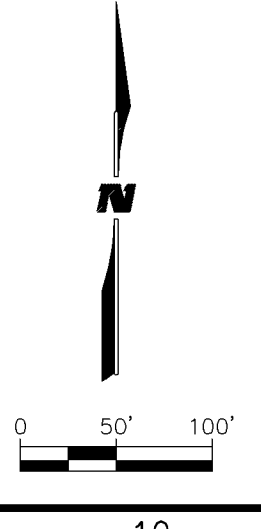
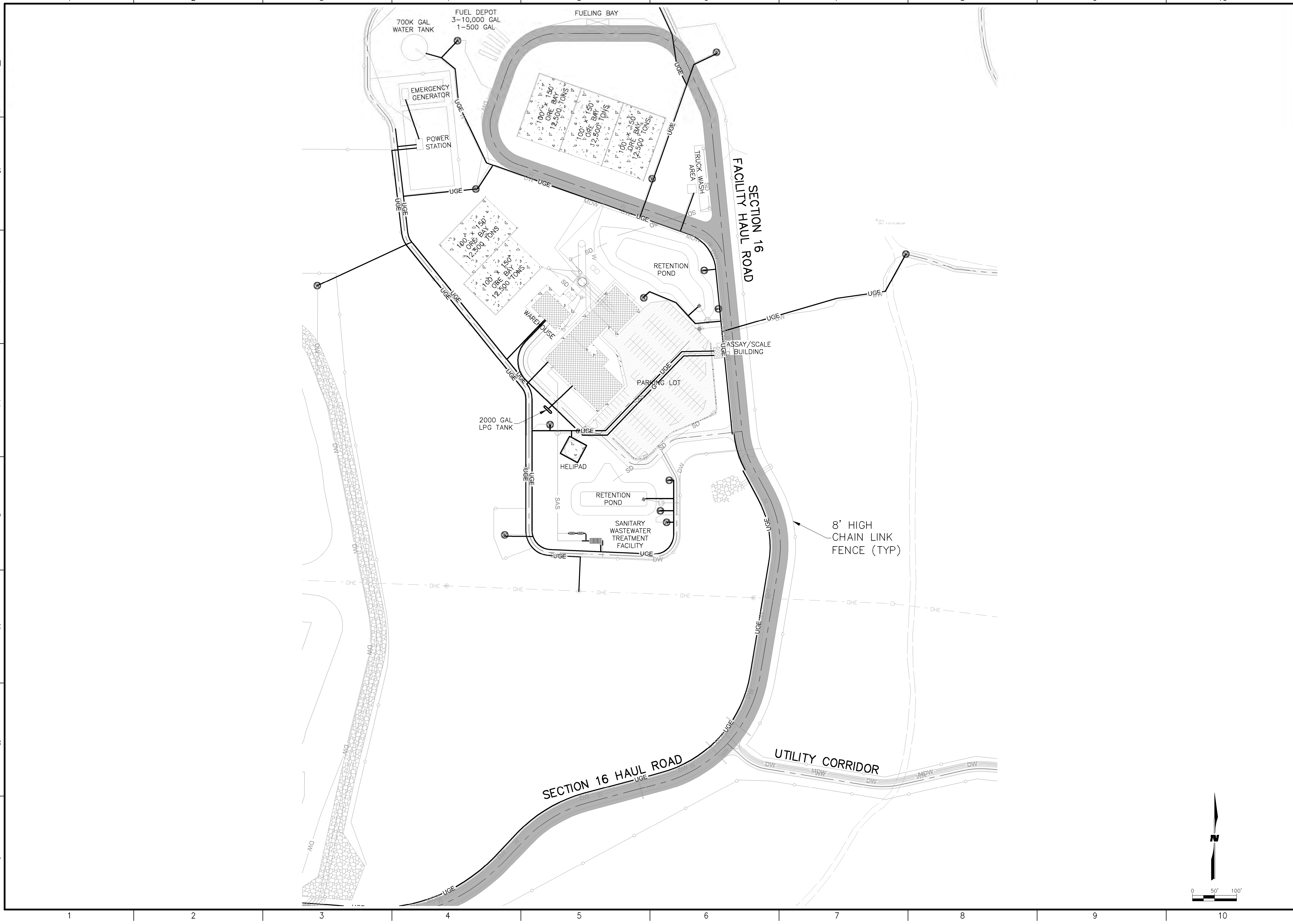
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
OVERALL DRY
UTILITY PLAN**

SHEET NO:
SHEET 23 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 10C DRY UTIL PLAN-S16.DWG
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SECTION 9, 10 & 16
SITE DEVELOPMENT

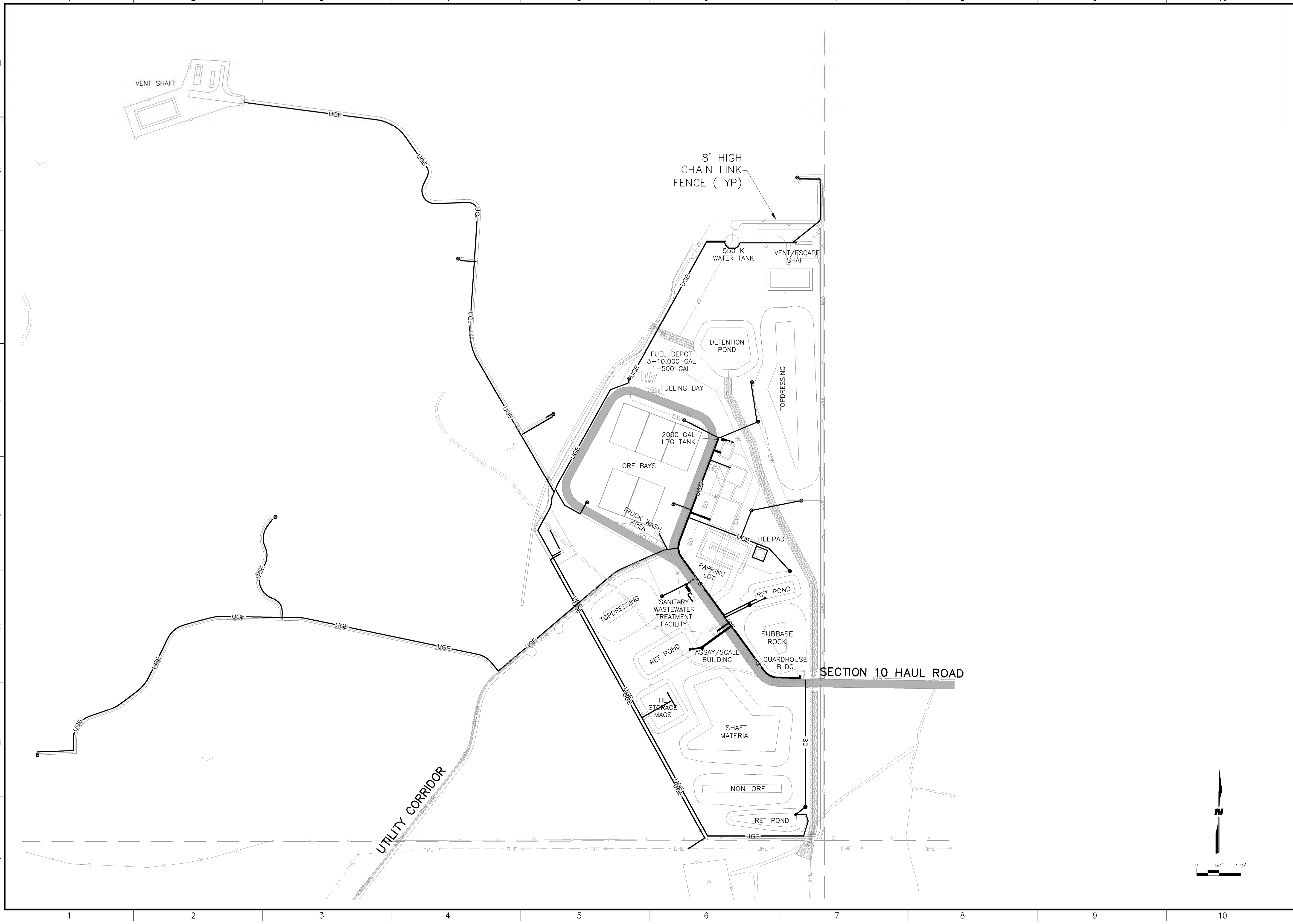
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 16
OVERALL DRY
UTILITY PLAN

SHEET NO:
SHEET 24 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019 10 DRY UTILITY PLAN.DWG
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PROJECT NAME
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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 10
OVERALL
DRY UTILITY PLAN

SHEET NO:
SHEET 25 OF 85

9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 10D DRY UTIL PLAN-S9.DWG



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PROJECT NAME
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 SECTION 9, 10 & 16
 SITE DEVELOPMENT

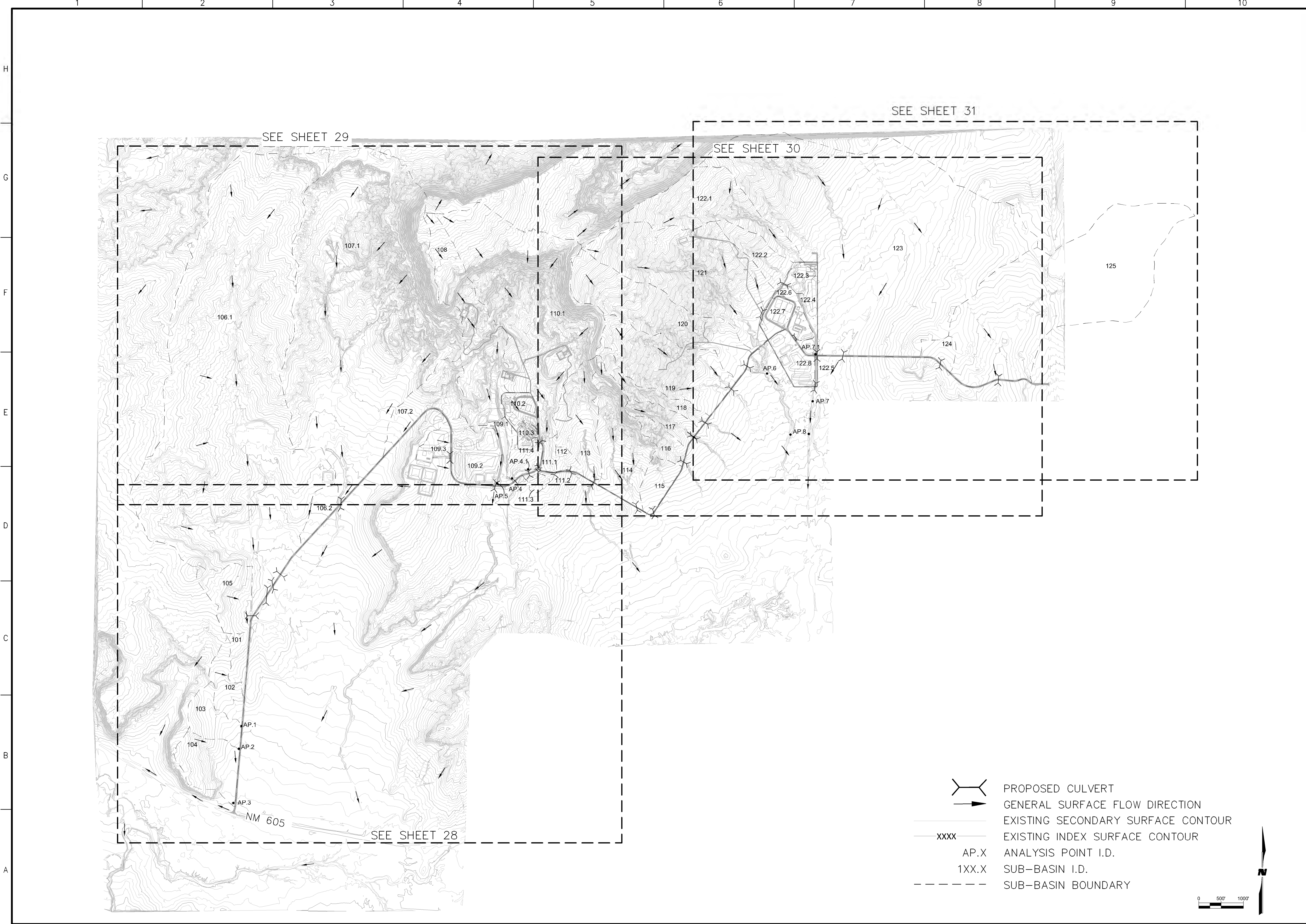
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012

SHEET TITLE
 SECTION 9
 OVERALL DRY
 UTILITY PLAN

SHEET NO:
 SHEET 26 OF 85

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9/27/11

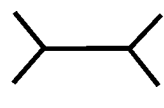
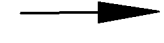







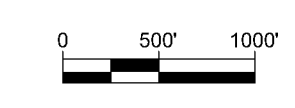
SEE SHEET 31

SEE SHEET 29

SEE SHEET 30

SEE SHEET 28

-  PROPOSED CULVERT
-  GENERAL SURFACE FLOW DIRECTION
-  EXISTING SECONDARY SURFACE CONTOUR
-  EXISTING INDEX SURFACE CONTOUR
-  AP.X ANALYSIS POINT I.D.
-  1XX.X SUB-BASIN I.D.
-  SUB-BASIN BOUNDARY



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PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

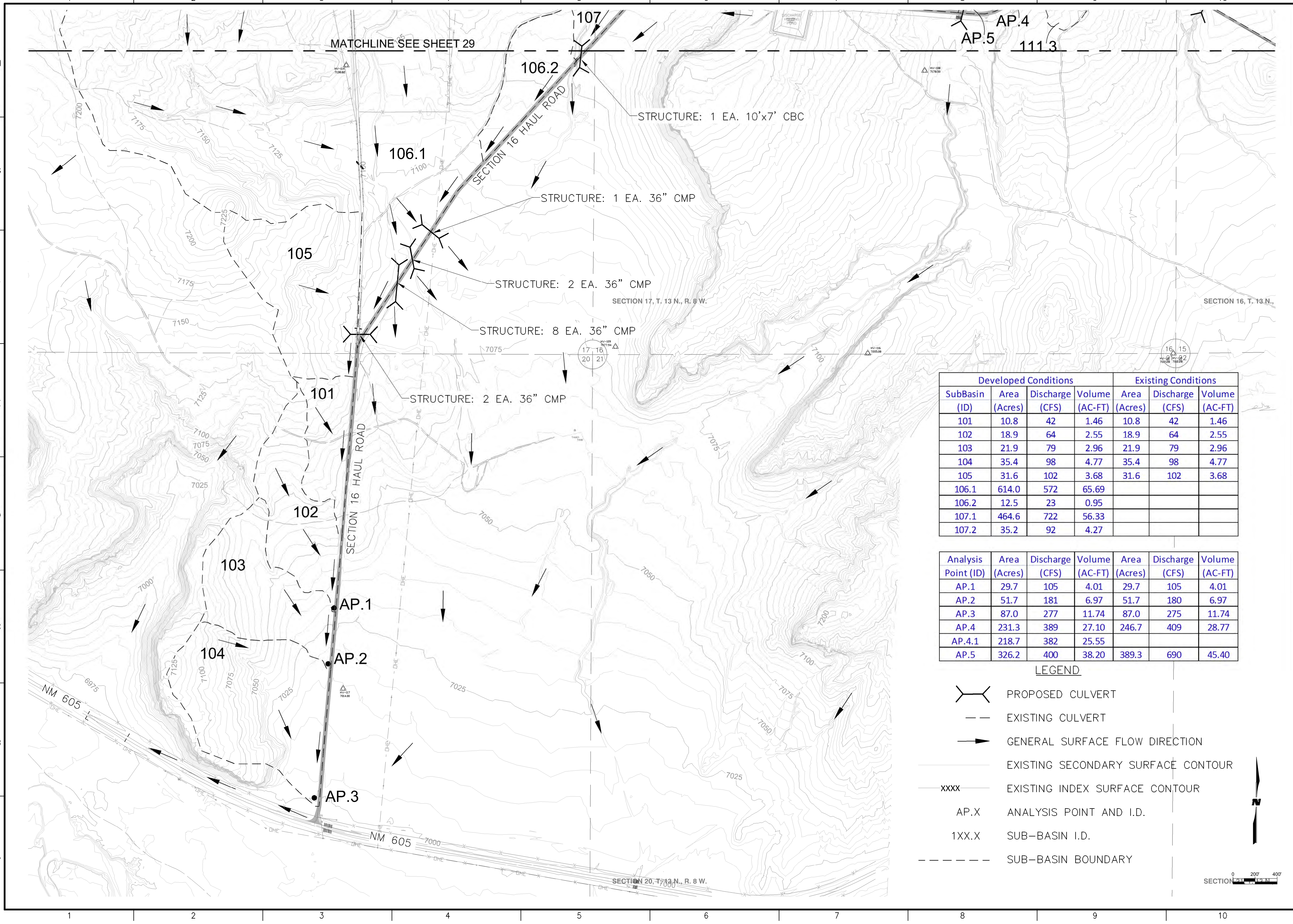
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
PROPOSED
DRAINAGE BASIN
INDEX SHEET

SHEET NO:
SHEET 27 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 11A BASIN PLAN 1.DWG
9/27/11



Developed Conditions				Existing Conditions		
SubBasin (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
101	10.8	42	1.46	10.8	42	1.46
102	18.9	64	2.55	18.9	64	2.55
103	21.9	79	2.96	21.9	79	2.96
104	35.4	98	4.77	35.4	98	4.77
105	31.6	102	3.68	31.6	102	3.68
106.1	614.0	572	65.69			
106.2	12.5	23	0.95			
107.1	464.6	722	56.33			
107.2	35.2	92	4.27			

Analysis Point (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
AP.1	29.7	105	4.01	29.7	105	4.01
AP.2	51.7	181	6.97	51.7	180	6.97
AP.3	87.0	277	11.74	87.0	275	11.74
AP.4	231.3	389	27.10	246.7	409	28.77
AP.4.1	218.7	382	25.55			
AP.5	326.2	400	38.20	389.3	690	45.40

- LEGEND**
- PROPOSED CULVERT
 - EXISTING CULVERT
 - GENERAL SURFACE FLOW DIRECTION
 - EXISTING SECONDARY SURFACE CONTOUR
 - EXISTING INDEX SURFACE CONTOUR
 - AP.X ANALYSIS POINT AND I.D.
 - 1XX.X SUB-BASIN I.D.
 - SUB-BASIN BOUNDARY



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PROJECT NAME
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SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
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CHECKED BY: DMD
DATE: JANUARY, 2012
SHEET TITLE
PROPOSED DRAINAGE BASIN PLAN
SHEET NO:
SHEET 28 OF 85

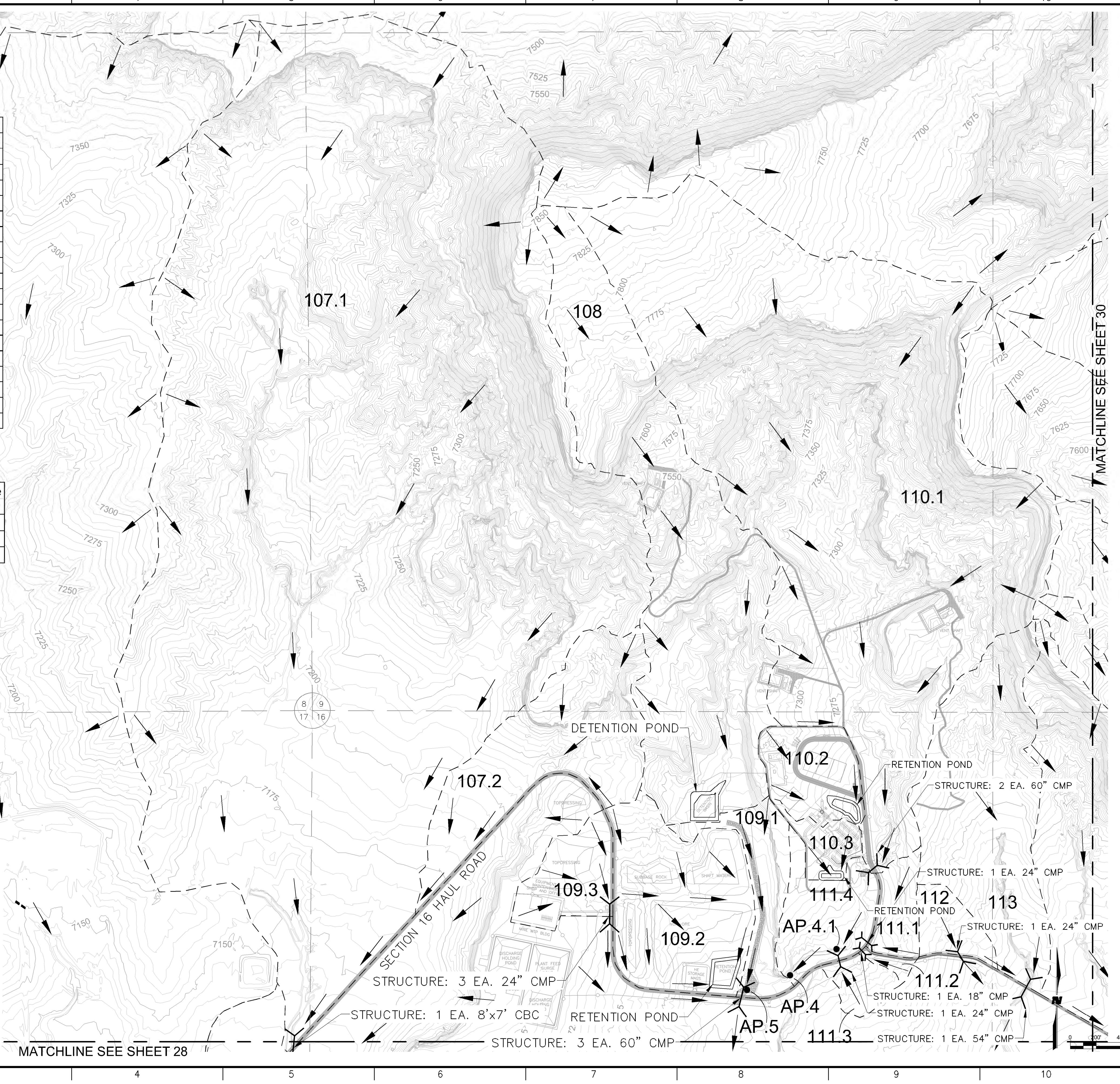
9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 11B BASIN PLAN 2.DWG

Developed Conditions				Existing Conditions		
SubBasin (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
106.1	614.0	572	65.69			
106.2	12.5	23	0.95			
107.1	464.6	722	56.33			
107.2	35.2	92	4.27			
108	82.8	185	9.65	82.4	184	9.61
109.1	12.2	44	1.48			
109.2	31.4	120	3.82			
109.3	10.5	40	1.28			
110.1	208.0	376	24.25			
110.2	11.6	58	1.89			
110.3	4.6	23	0.74			
111.1	5.6	21	0.68			
111.2	1.1	4	0.13			
111.3	4.0	15	0.48			
111.4	12.6	48	1.54			
112	5.5	20	0.65	5.5	20	0.65
113	42.9	112	4.54	42.9	112	4.54

Junction (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
AP.4	231.3	389	27.1	246.7	409	28.77
AP.4.1	218.7	382	25.55			
AP.5	326.2	400	38.2	389.3	690	45.40

LEGEND

- PROPOSED CULVERT
- EXISTING CULVERT
- GENERAL SURFACE FLOW DIRECTION
- EXISTING SECONDARY SURFACE CONTOUR
- EXISTING INDEX SURFACE CONTOUR
- AP.X ANALYSIS POINT AND I.D.
- 1XX.X SUB-BASIN I.D.
- SUB-BASIN BOUNDARY



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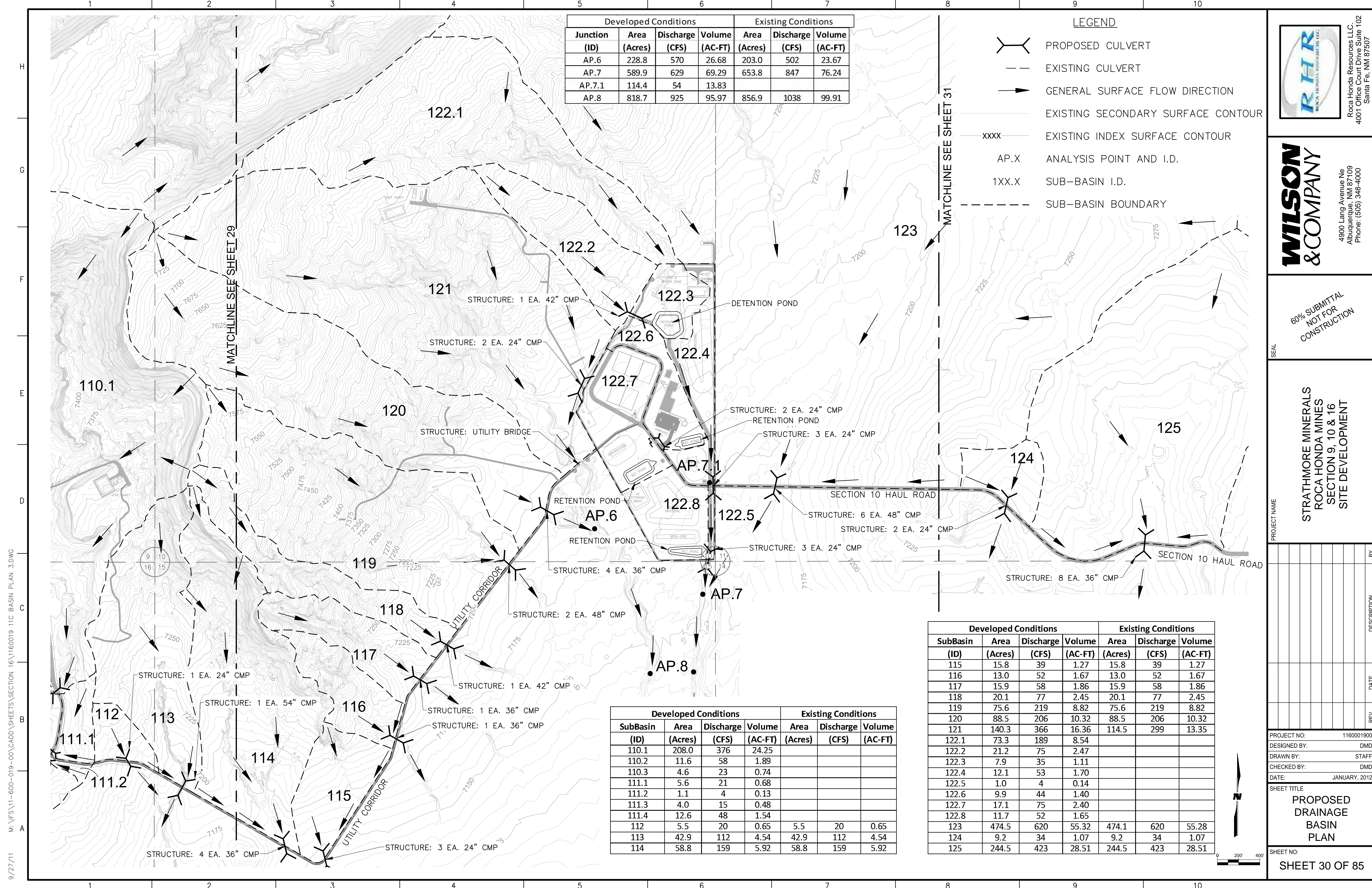
PROJECT NAME
 STRATHMORE MINERALS
 ROCA HONDA MINES
 SECTION 9, 10 & 16
 SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012

SHEET TITLE
PROPOSED DRAINAGE BASIN PLAN

SHEET NO:
SHEET 29 OF 85



Developed Conditions				Existing Conditions		
Junction (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
AP.6	228.8	570	26.68	203.0	502	23.67
AP.7	589.9	629	69.29	653.8	847	76.24
AP.7.1	114.4	54	13.83			
AP.8	818.7	925	95.97	856.9	1038	99.91

- LEGEND**
- PROPOSED CULVERT
 - EXISTING CULVERT
 - GENERAL SURFACE FLOW DIRECTION
 - EXISTING SECONDARY SURFACE CONTOUR
 - EXISTING INDEX SURFACE CONTOUR
 - ANALYSIS POINT AND I.D.
 - SUB-BASIN I.D.
 - SUB-BASIN BOUNDARY



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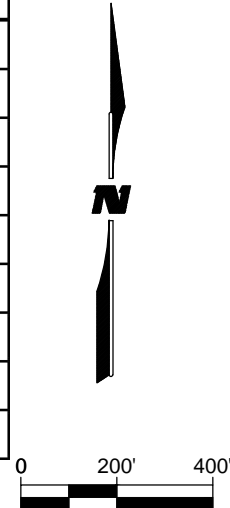
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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

Developed Conditions				Existing Conditions		
SubBasin (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
110.1	208.0	376	24.25			
110.2	11.6	58	1.89			
110.3	4.6	23	0.74			
111.1	5.6	21	0.68			
111.2	1.1	4	0.13			
111.3	4.0	15	0.48			
111.4	12.6	48	1.54			
112	5.5	20	0.65	5.5	20	0.65
113	42.9	112	4.54	42.9	112	4.54
114	58.8	159	5.92	58.8	159	5.92

Developed Conditions				Existing Conditions		
SubBasin (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
115	15.8	39	1.27	15.8	39	1.27
116	13.0	52	1.67	13.0	52	1.67
117	15.9	58	1.86	15.9	58	1.86
118	20.1	77	2.45	20.1	77	2.45
119	75.6	219	8.82	75.6	219	8.82
120	88.5	206	10.32	88.5	206	10.32
121	140.3	366	16.36	114.5	299	13.35
122.1	73.3	189	8.54			
122.2	21.2	75	2.47			
122.3	7.9	35	1.11			
122.4	12.1	53	1.70			
122.5	1.0	4	0.14			
122.6	9.9	44	1.40			
122.7	17.1	75	2.40			
122.8	11.7	52	1.65			
123	474.5	620	55.32	474.1	620	55.28
124	9.2	34	1.07	9.2	34	1.07
125	244.5	423	28.51	244.5	423	28.51



REV.	DATE	DESCRIPTION	BY

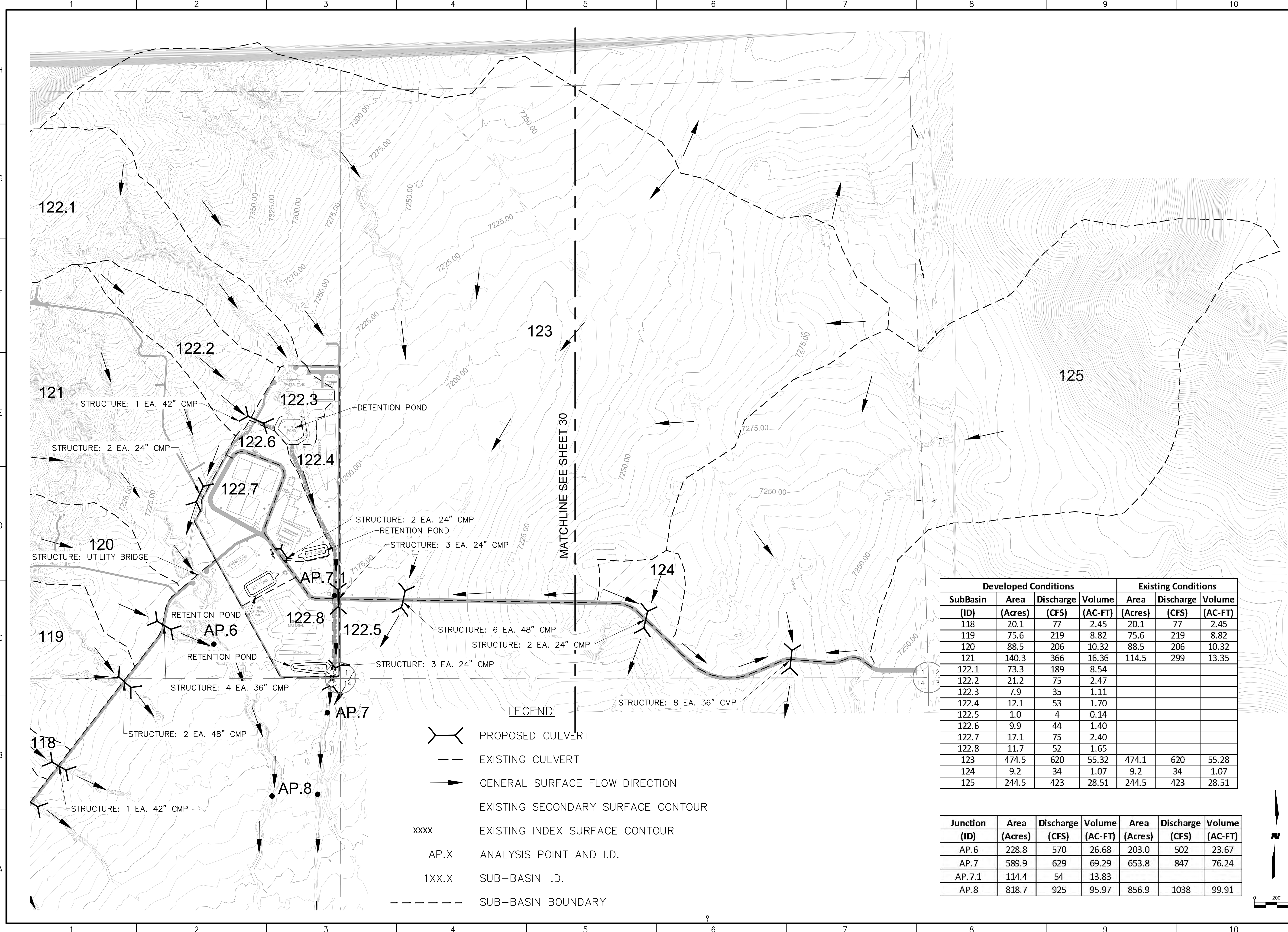
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
PROPOSED DRAINAGE BASIN PLAN

SHEET NO:
SHEET 30 OF 85

9/27/11 M:\FS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 11C BASIN PLAN 3.DWG

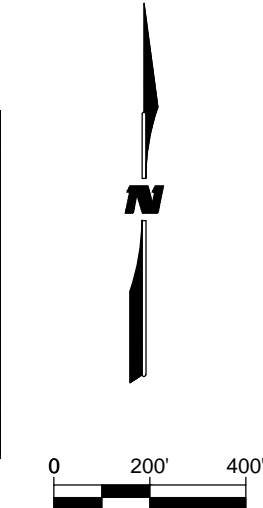
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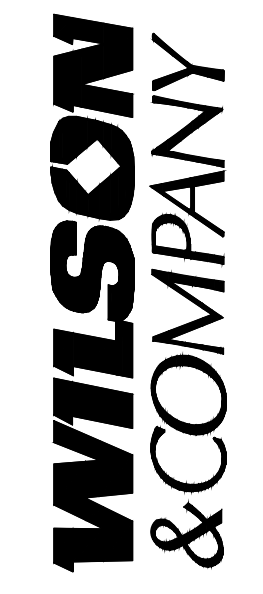
- LEGEND**
- PROPOSED CULVERT
 - EXISTING CULVERT
 - GENERAL SURFACE FLOW DIRECTION
 - EXISTING SECONDARY SURFACE CONTOUR
 - EXISTING INDEX SURFACE CONTOUR
 - AP.X ANALYSIS POINT AND I.D.
 - 1XX.X SUB-BASIN I.D.
 - SUB-BASIN BOUNDARY

SubBasin (ID)	Developed Conditions				Existing Conditions		
	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
118	20.1	77	2.45	2.45	20.1	77	2.45
119	75.6	219	8.82	8.82	75.6	219	8.82
120	88.5	206	10.32	10.32	88.5	206	10.32
121	140.3	366	16.36	16.36	114.5	299	13.35
122.1	73.3	189	8.54				
122.2	21.2	75	2.47				
122.3	7.9	35	1.11				
122.4	12.1	53	1.70				
122.5	1.0	4	0.14				
122.6	9.9	44	1.40				
122.7	17.1	75	2.40				
122.8	11.7	52	1.65				
123	474.5	620	55.32	55.32	474.1	620	55.28
124	9.2	34	1.07	1.07	9.2	34	1.07
125	244.5	423	28.51	28.51	244.5	423	28.51

Junction (ID)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)	Area (Acres)	Discharge (CFS)	Volume (AC-FT)
AP.6	228.8	570	26.68	203.0	502	23.67
AP.7	589.9	629	69.29	653.8	847	76.24
AP.7.1	114.4	54	13.83			
AP.8	818.7	925	95.97	856.9	1038	99.91



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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

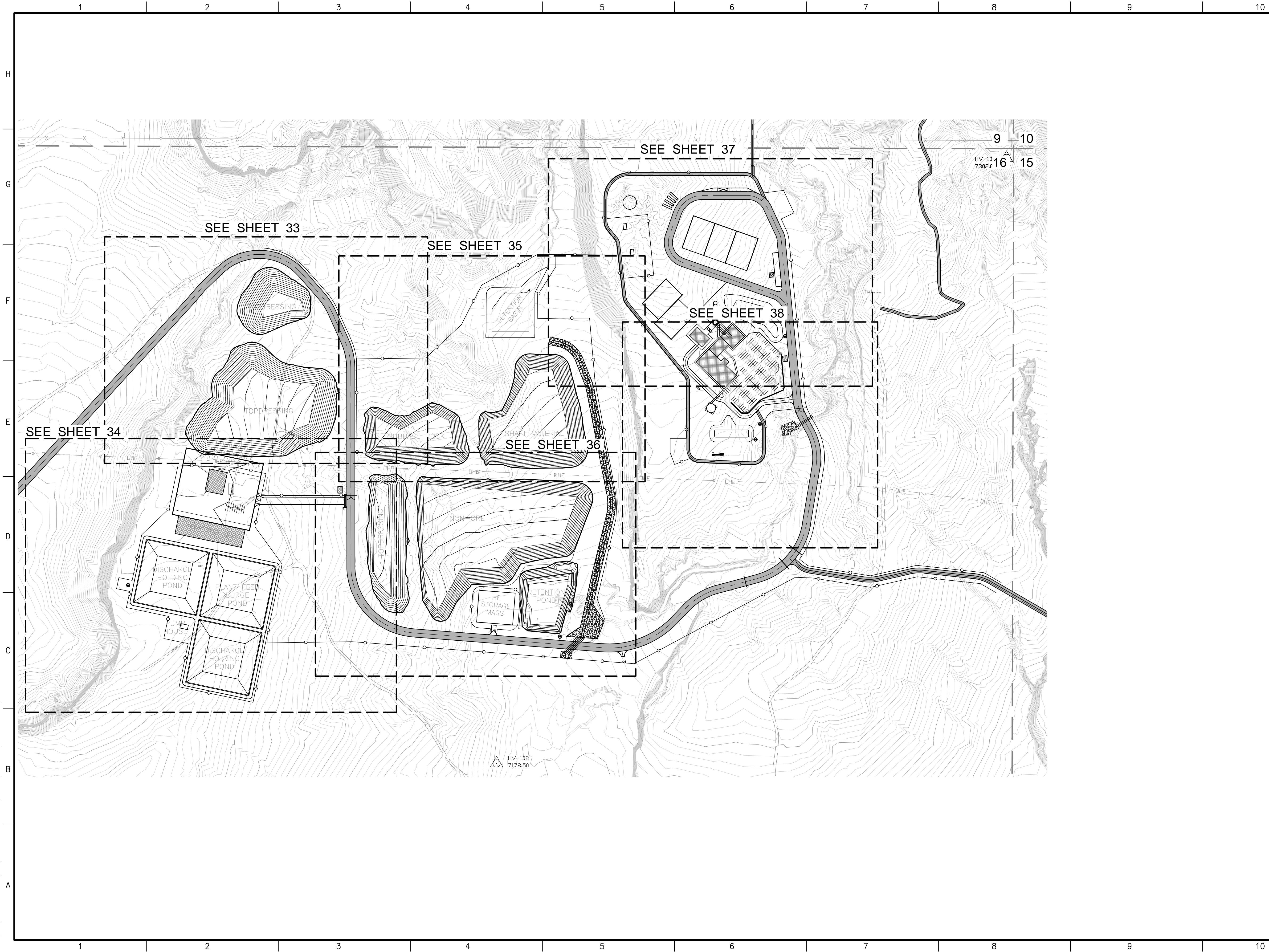
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
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DATE: JANUARY, 2012

SHEET TITLE
**PROPOSED
DRAINAGE
BASIN
PLAN**

SHEET NO:
SHEET 31 OF 85

9/27/11 M:\FS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 12 OVERALL FAC GRADING.DWG



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SECTION 9, 10 & 16
SITE DEVELOPMENT

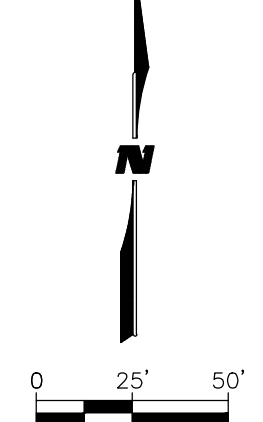
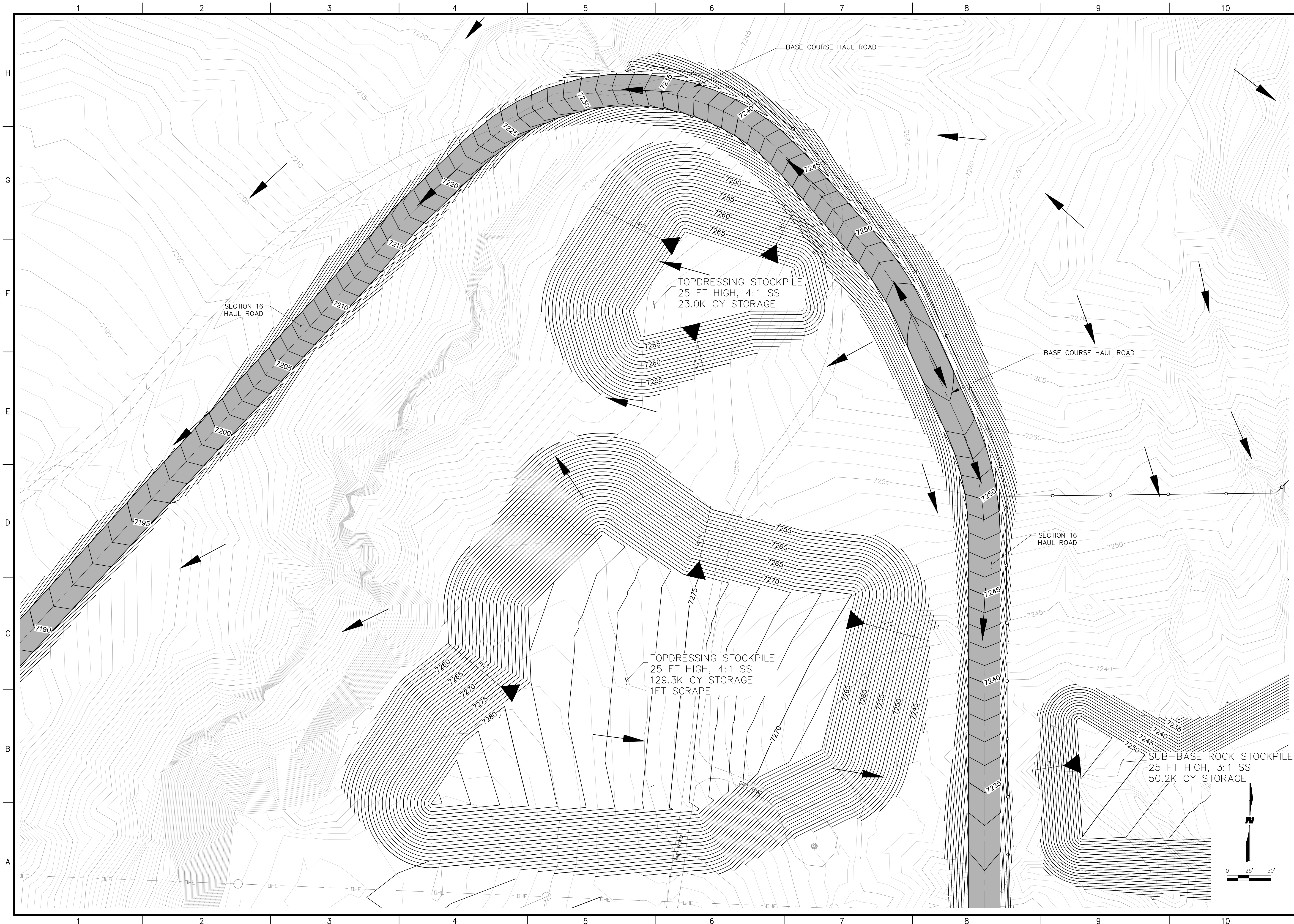
REV.	DATE	DESCRIPTION	BY

PROJECT NO:	1160001900
DESIGNED BY:	DMD
DRAWN BY:	STAFF
CHECKED BY:	DMD
DATE:	JANUARY, 2012

SHEET TITLE
**SECTION 16
OVERALL
FACILITY GRADING
PLAN & INDEX**

SHEET NO:
SHEET 32 OF 85

9/27/11 M:\FS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 12 SITE 1 GD 1.DWG



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SECTION 9, 10 & 16
SITE DEVELOPMENT

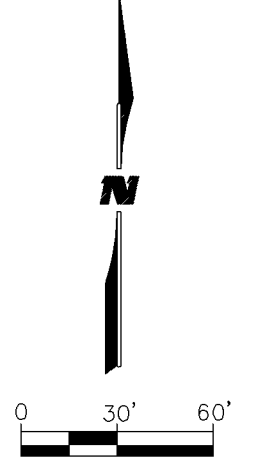
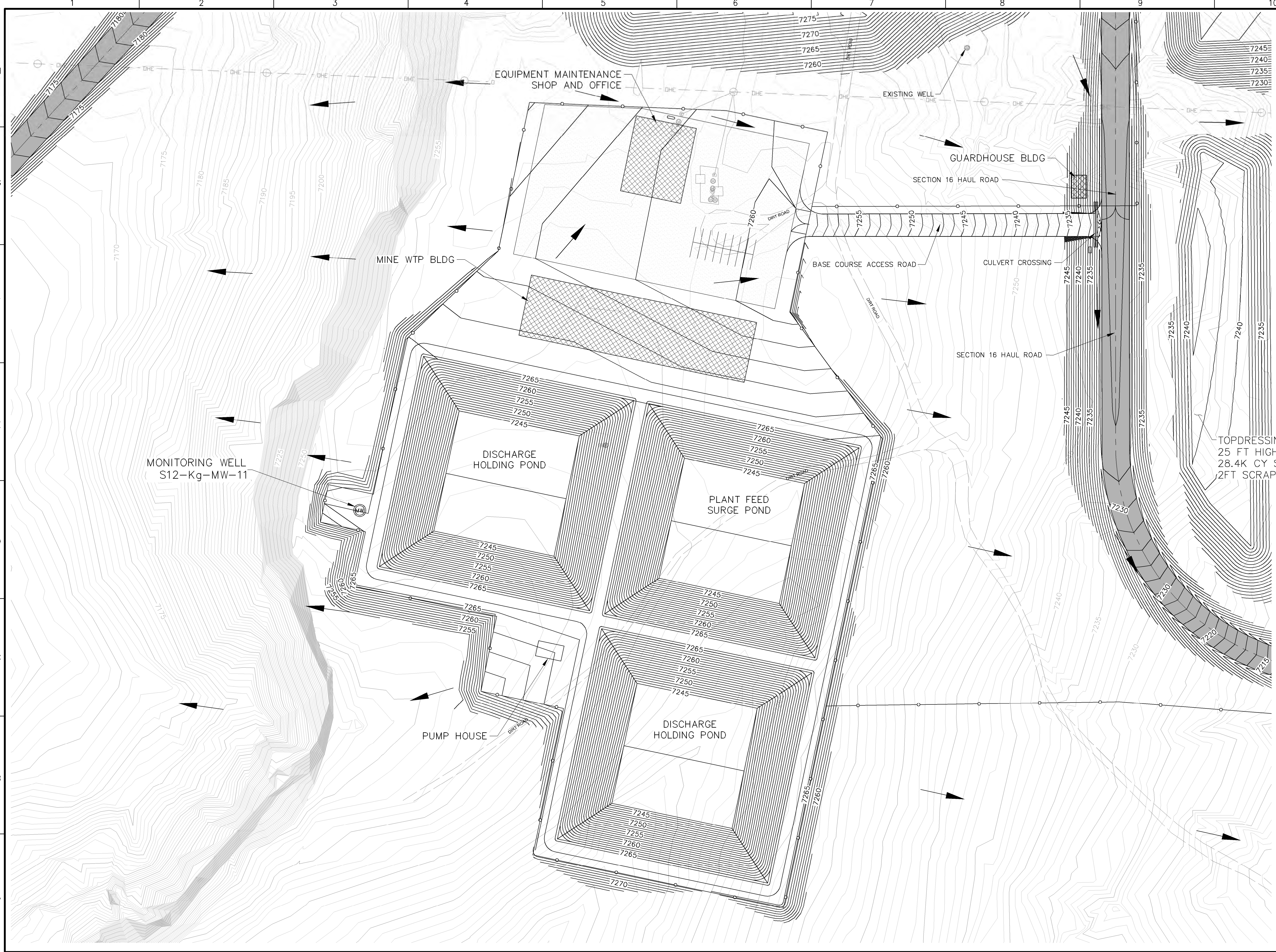
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
MINE
GRADING & DRAINAGE
PLAN**

SHEET NO:
SHEET 33 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_13 SITE 1 GD 2.DWG



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SITE DEVELOPMENT

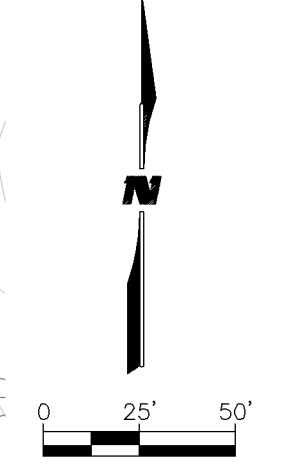
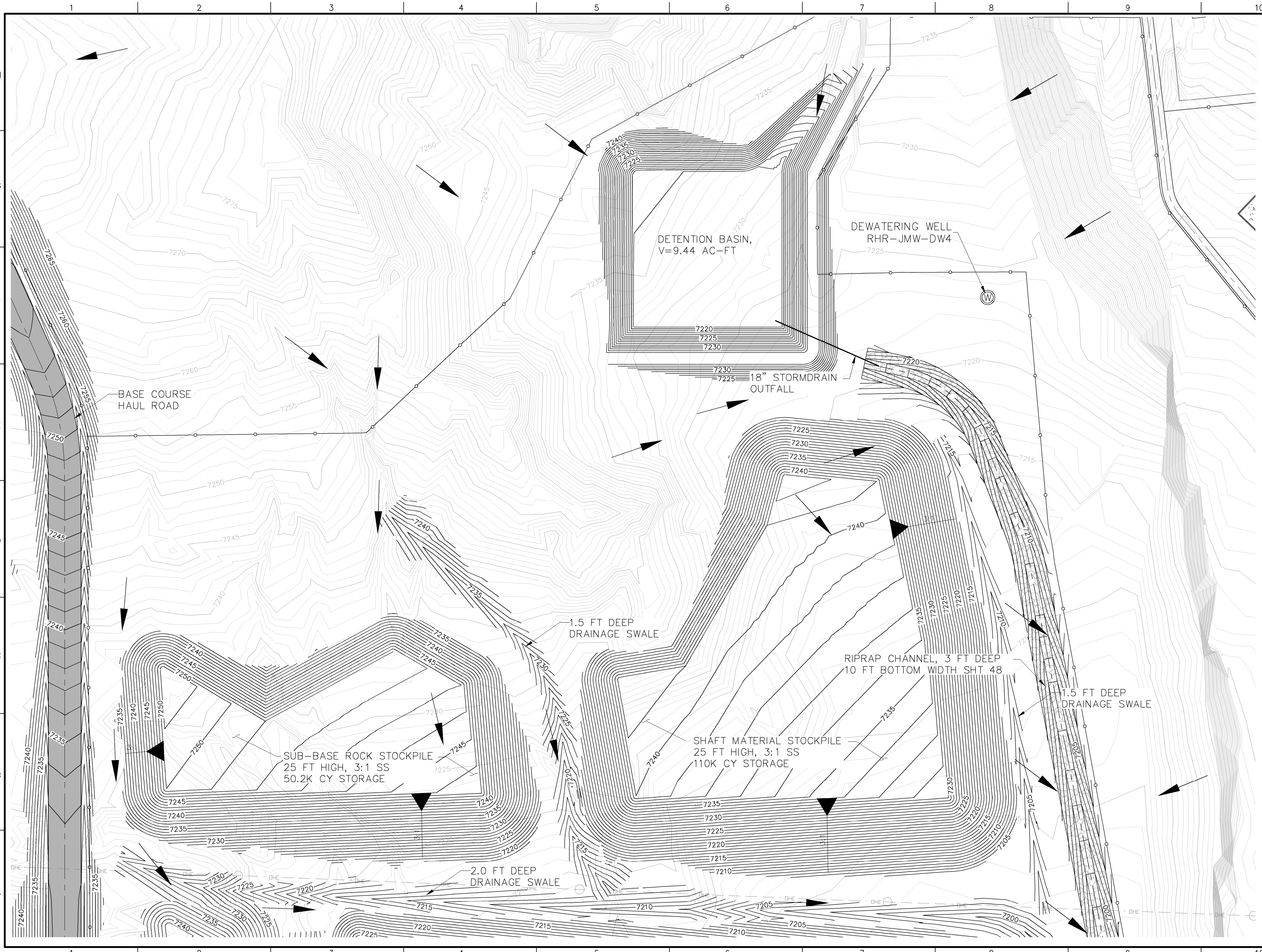
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
MINE
GRADING & DRAINAGE
PLAN**

SHEET NO:
SHEET 34 OF 85

9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_14 SITE 1 GD 3.DWG



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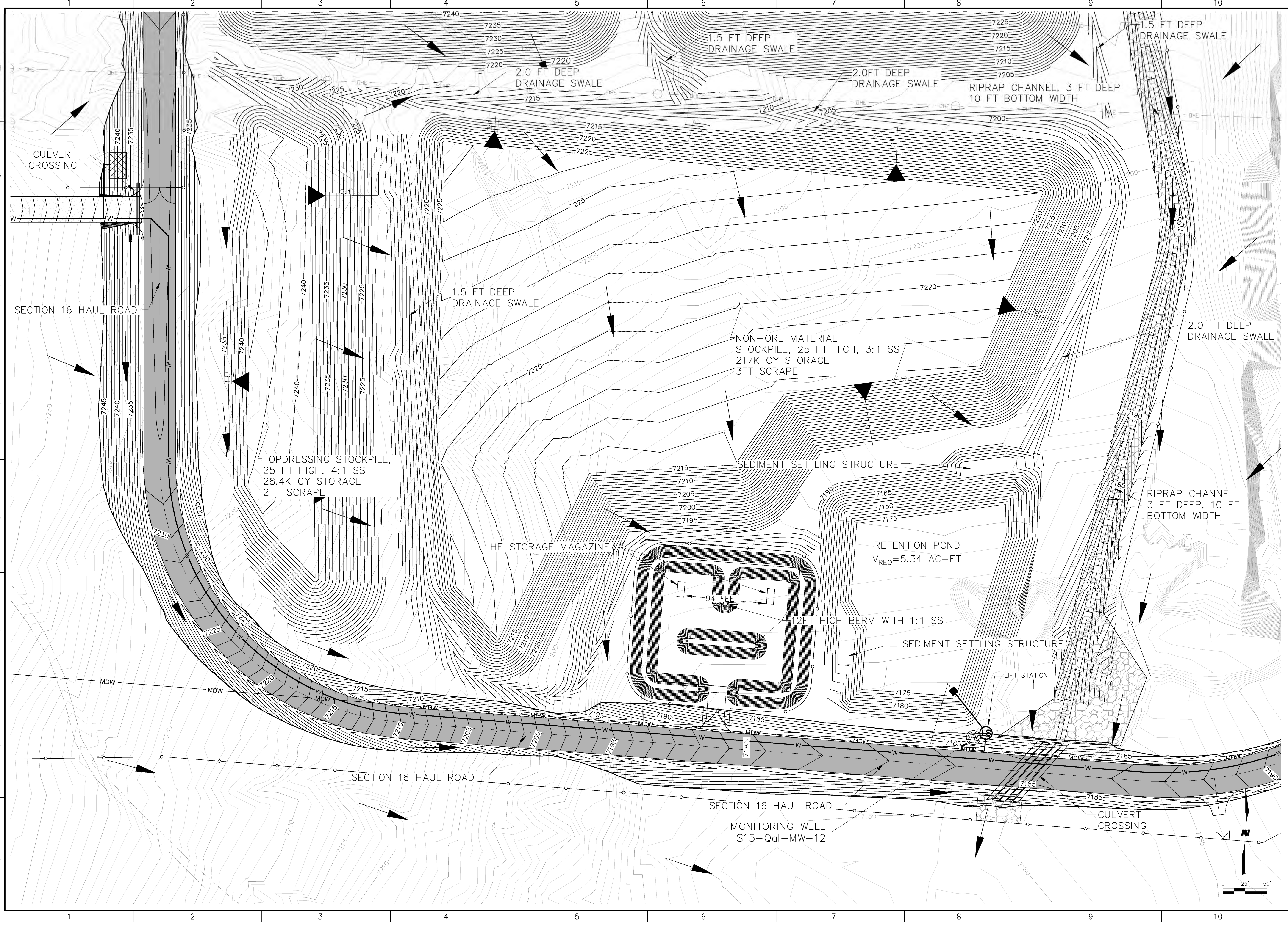
PROJECT NO.	DESCRIPTION	DATE	REV.	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
MINE
GRADING & DRAINAGE
PLAN**

SHEET NO:
SHEET 35 OF 85

9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019_15 SITE 1 GD 4.DWG



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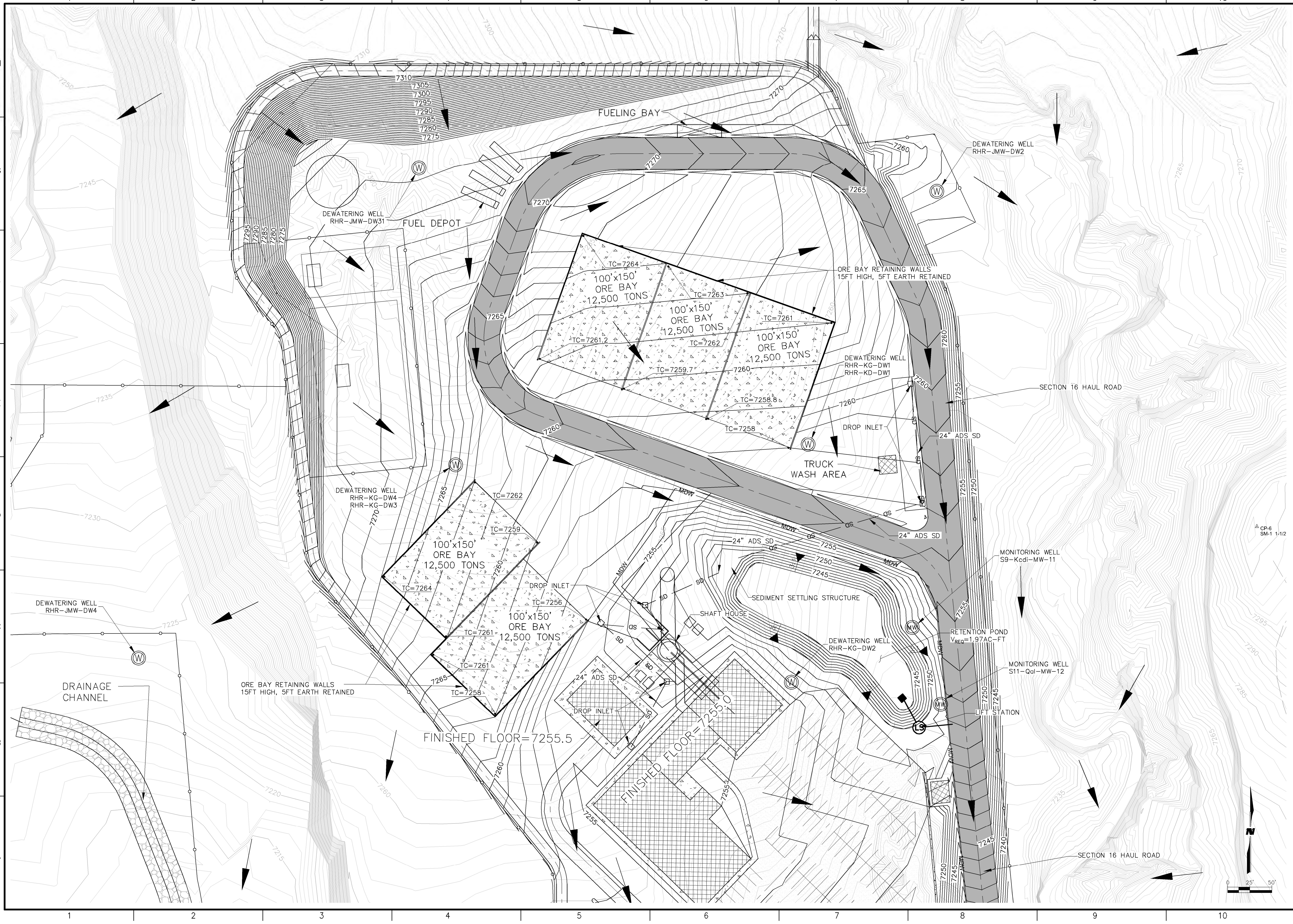
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 STRATHMORE MINERALS
 ROCA HONDA MINES
 SECTION 9, 10 & 16
 SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO:	1160001900
DESIGNED BY:	DMD
DRAWN BY:	STAFF
CHECKED BY:	DMD
DATE:	JANUARY, 2012
SHEET TITLE	SECTION 16 MINE GRADING & DRAINAGE PLAN
SHEET NO:	SHEET 36 OF 85

9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 16 SITE 1 GD 5.DWG



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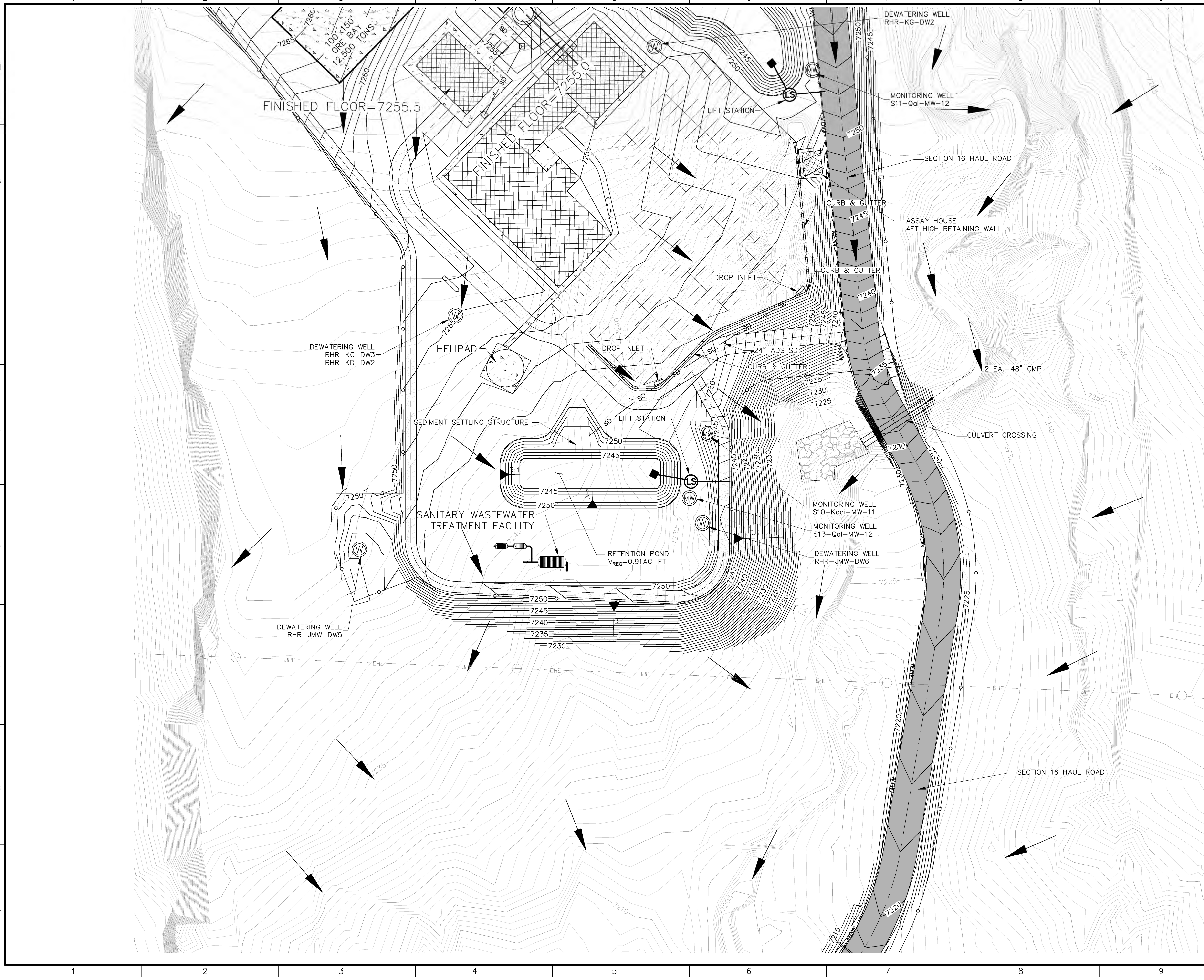
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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012
SHEET TITLE
**SECTION 16
MINE
GRADING & DRAINAGE
PLAN**
SHEET NO:
SHEET 37 OF 85

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SECTION 9, 10 & 16
SITE DEVELOPMENT

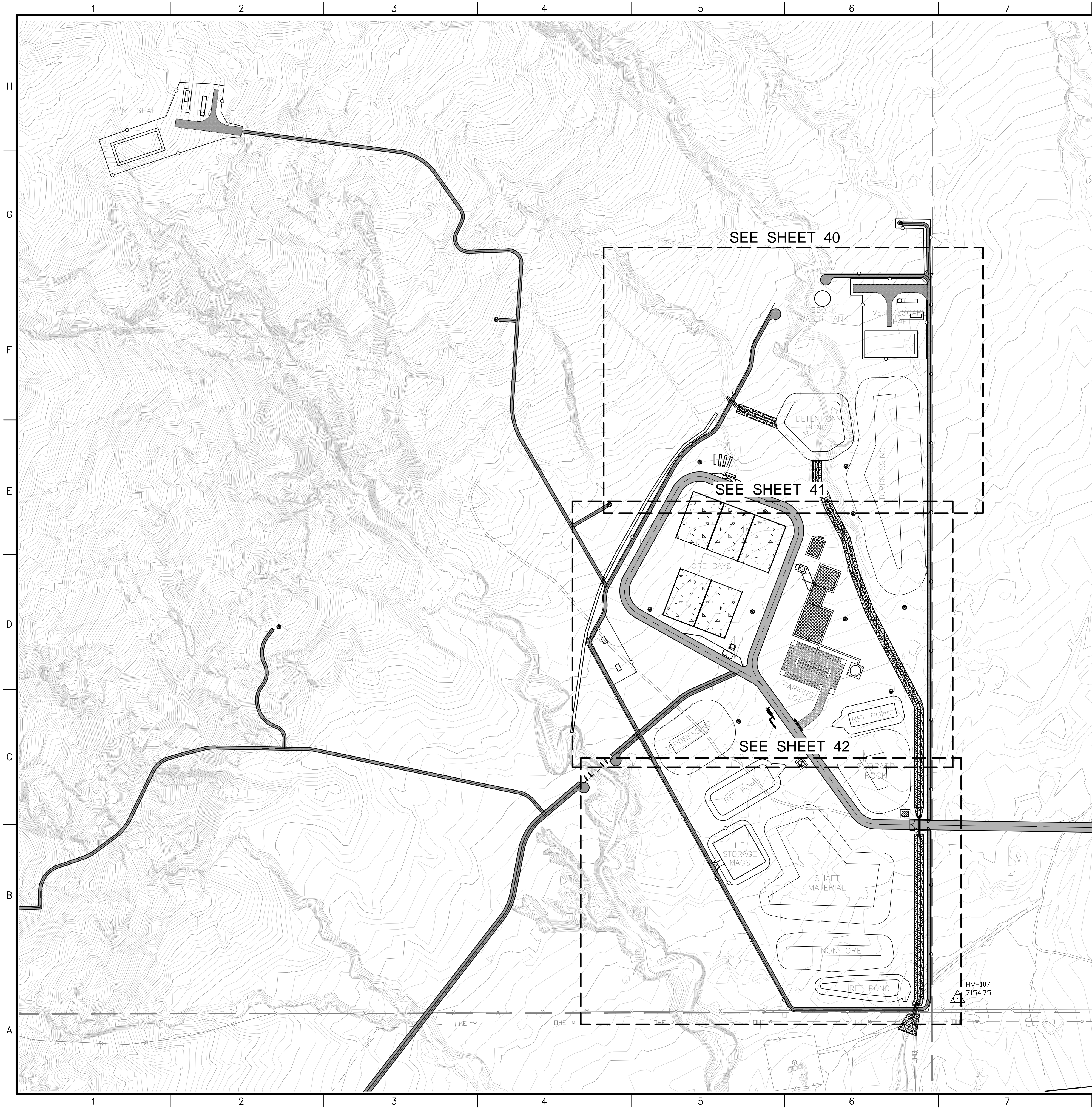
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16
MINE
GRADING & DRAINAGE
PLAN**

SHEET NO:
SHEET 38 OF 85

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PROJECT NAME

STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 10
OVERALL
FACILITY GRADING
PLAN AND INDEX**

SHEET NO:
SHEET 39 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019_13 SITE 2 GD 1.DWG
1/5/12



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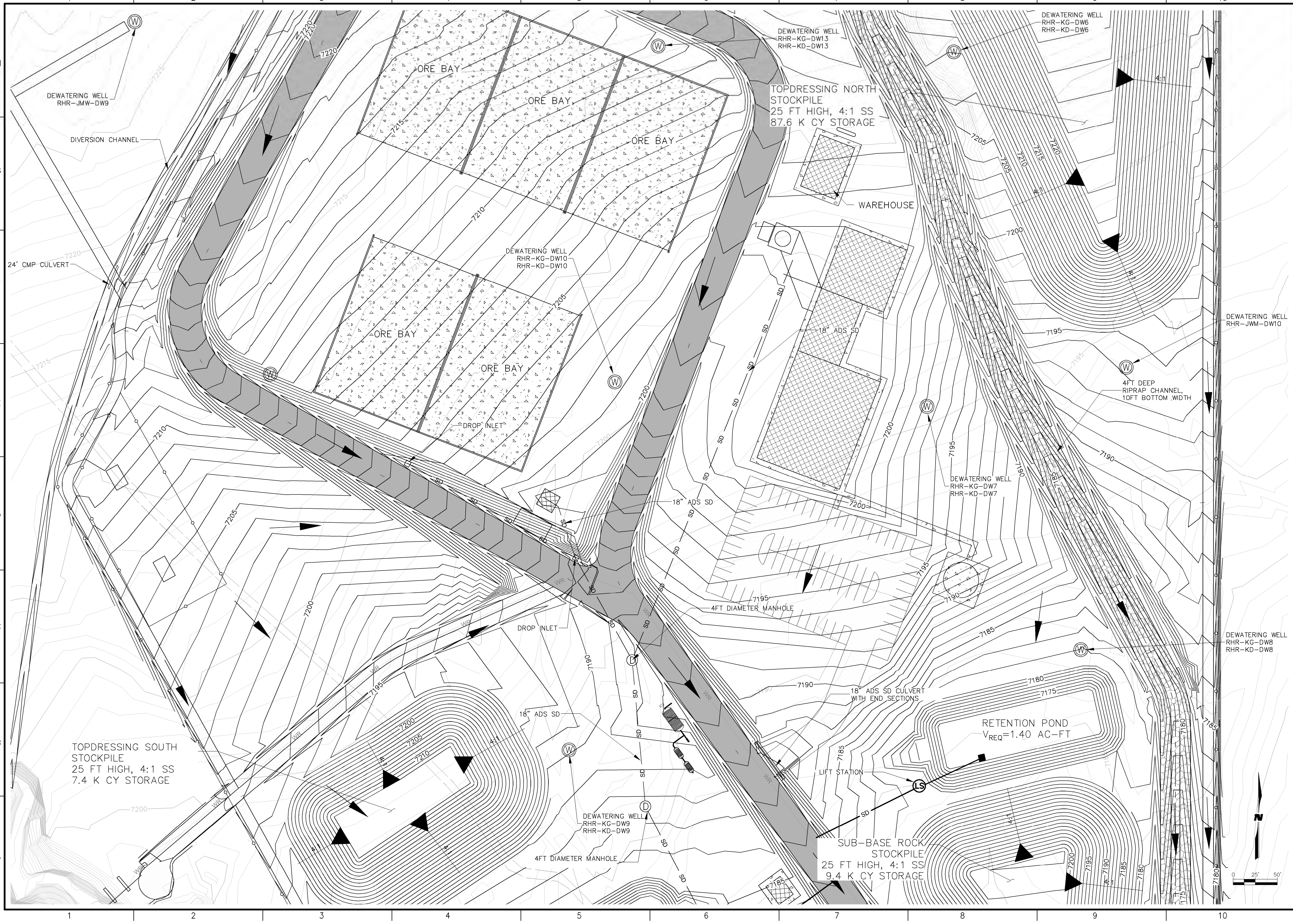
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ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012
 SHEET TITLE
**SECTION 10
 MINE
 GRADING & DRAINAGE
 PLAN**
 SHEET NO:
SHEET 40 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019 14 SITE 2 CD 2.DWG
1/9/12



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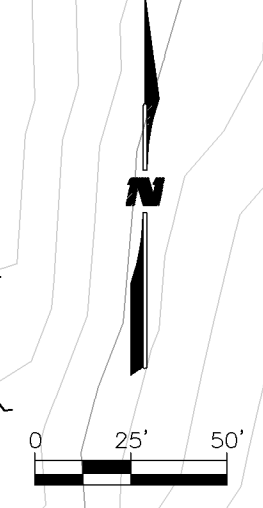
PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

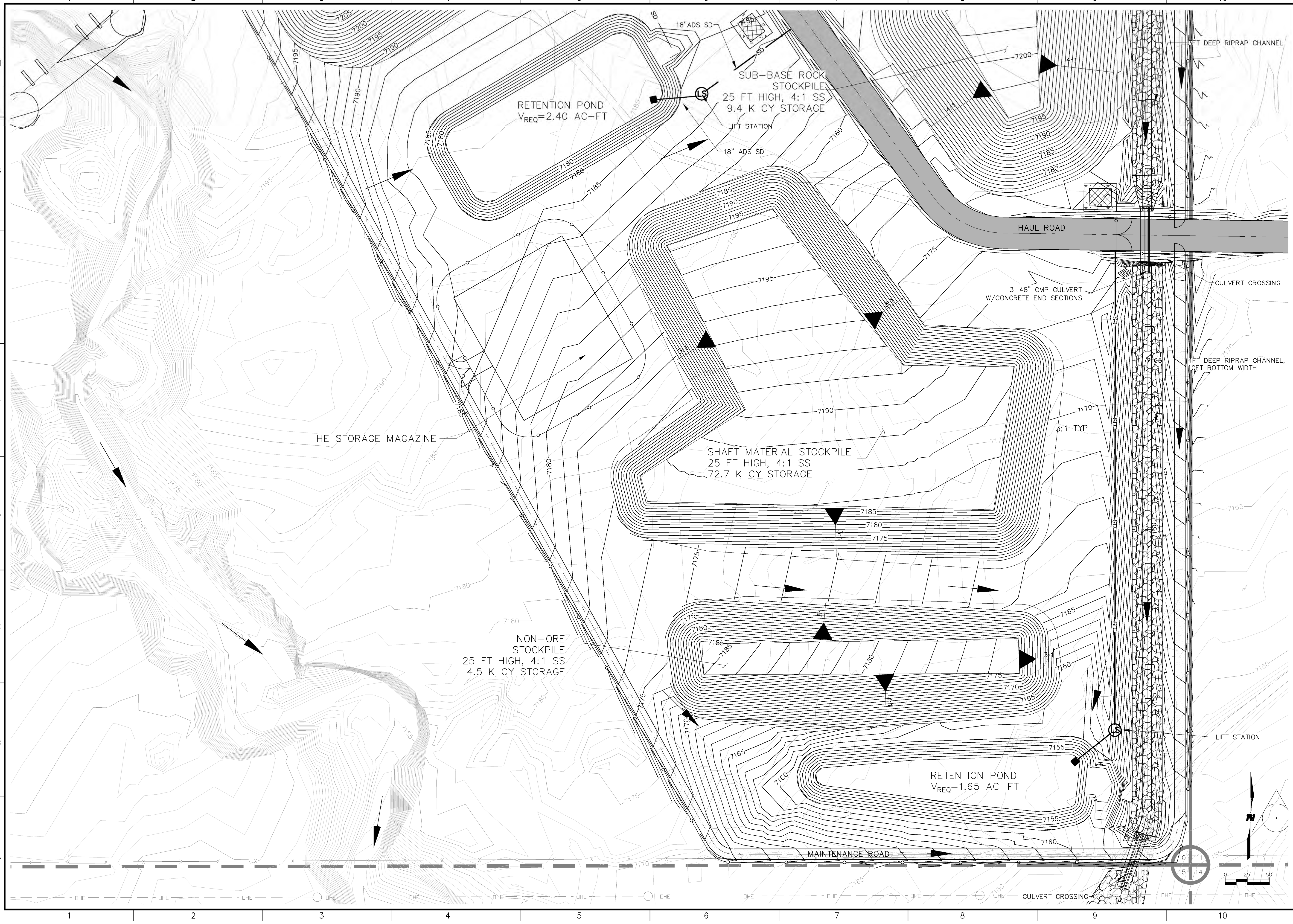
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 10
MINE
GRADING & DRAINAGE
PLAN

SHEET NO:
SHEET 41 OF 85



M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019_15 SITE 2 GD 3.DWG
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PROJECT NAME
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SECTION 9, 10 & 16
SITE DEVELOPMENT

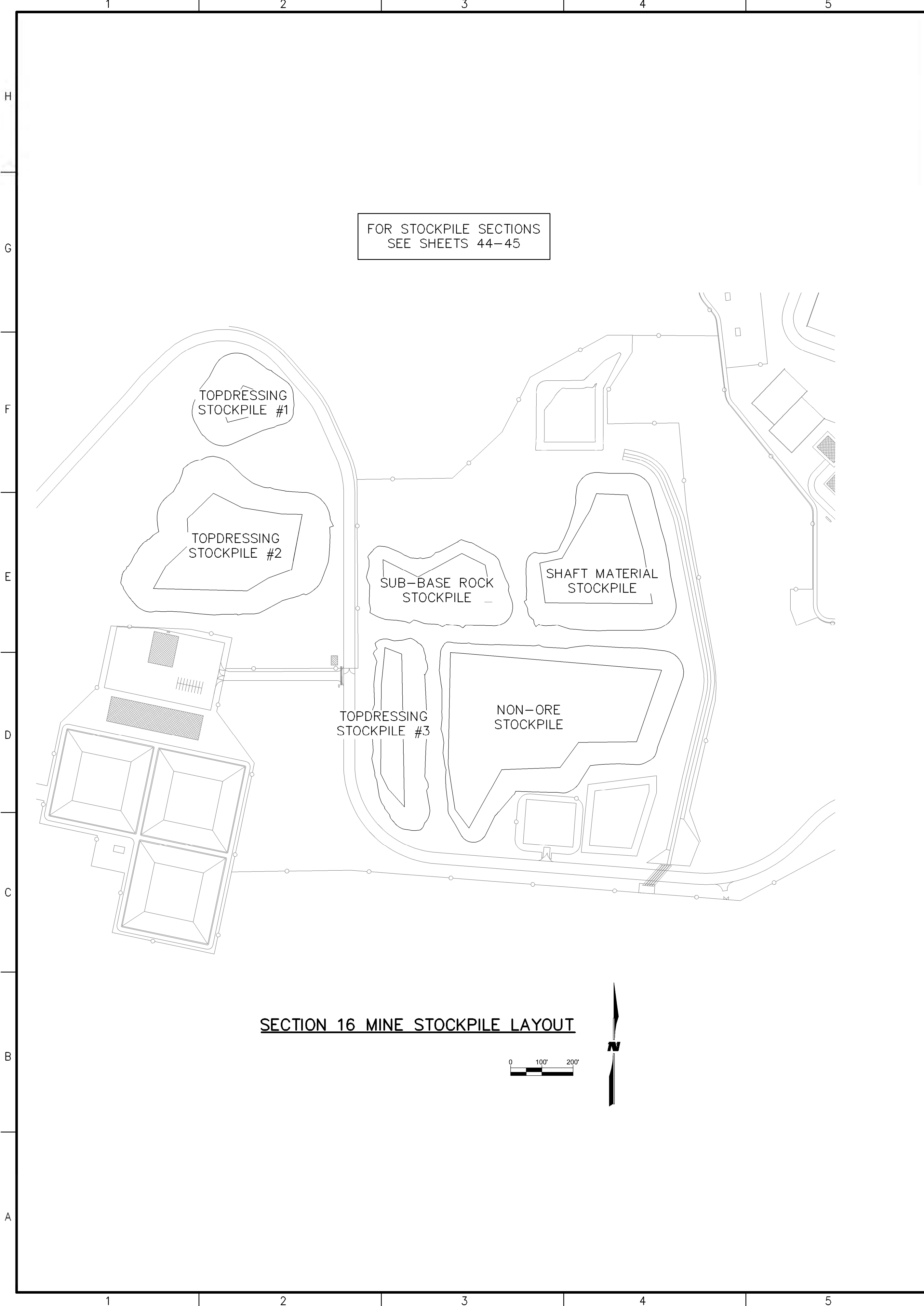
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 10
MINE
GRADING & DRAINAGE
PLAN

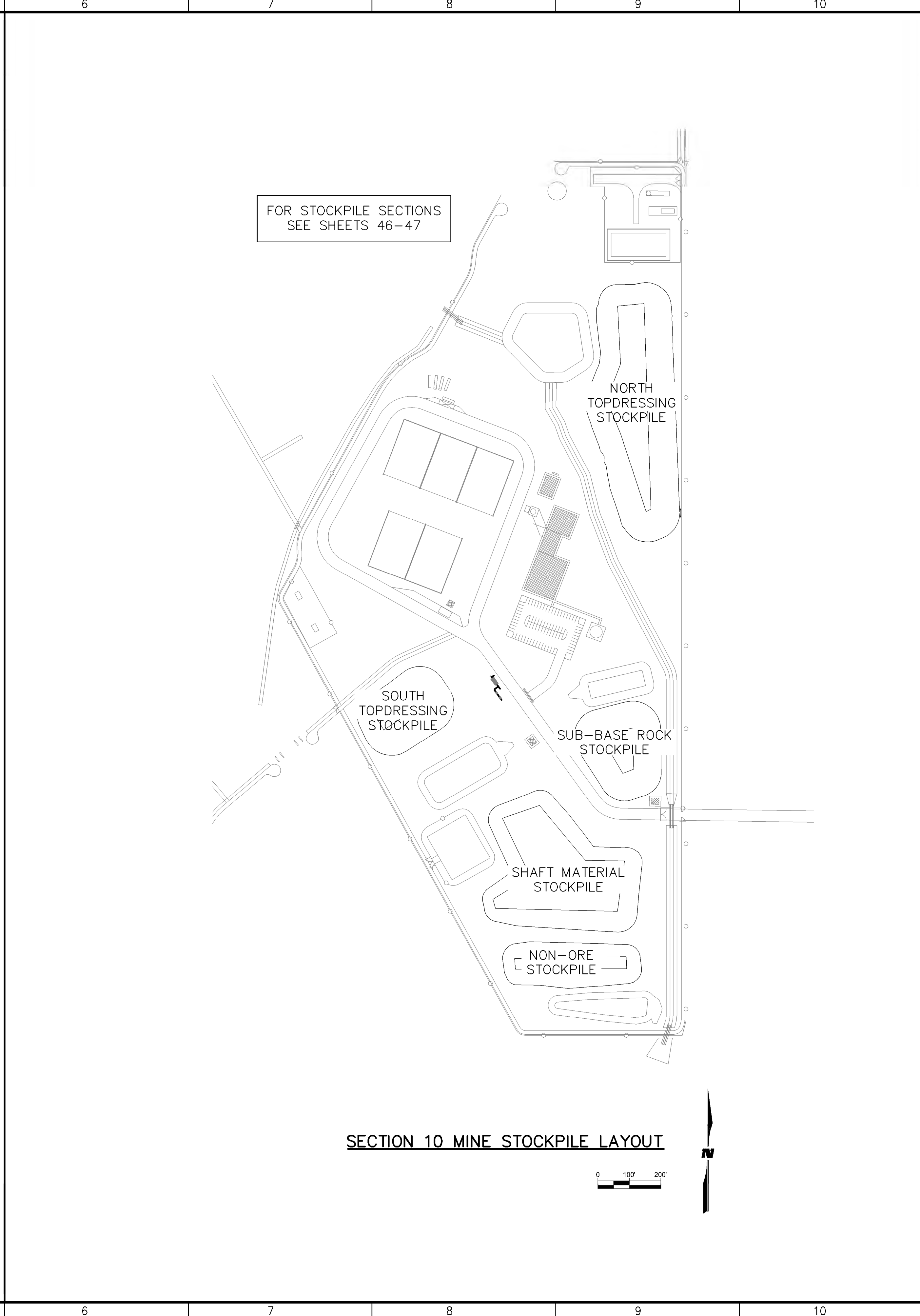
SHEET NO:
SHEET 42 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 18-6 STOCKPILE INDEX.DWG
9/27/11



SECTION 16 MINE STOCKPILE LAYOUT

0 100' 200'



SECTION 10 MINE STOCKPILE LAYOUT

0 100' 200'



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SECTION 9, 10 & 16
SITE DEVELOPMENT

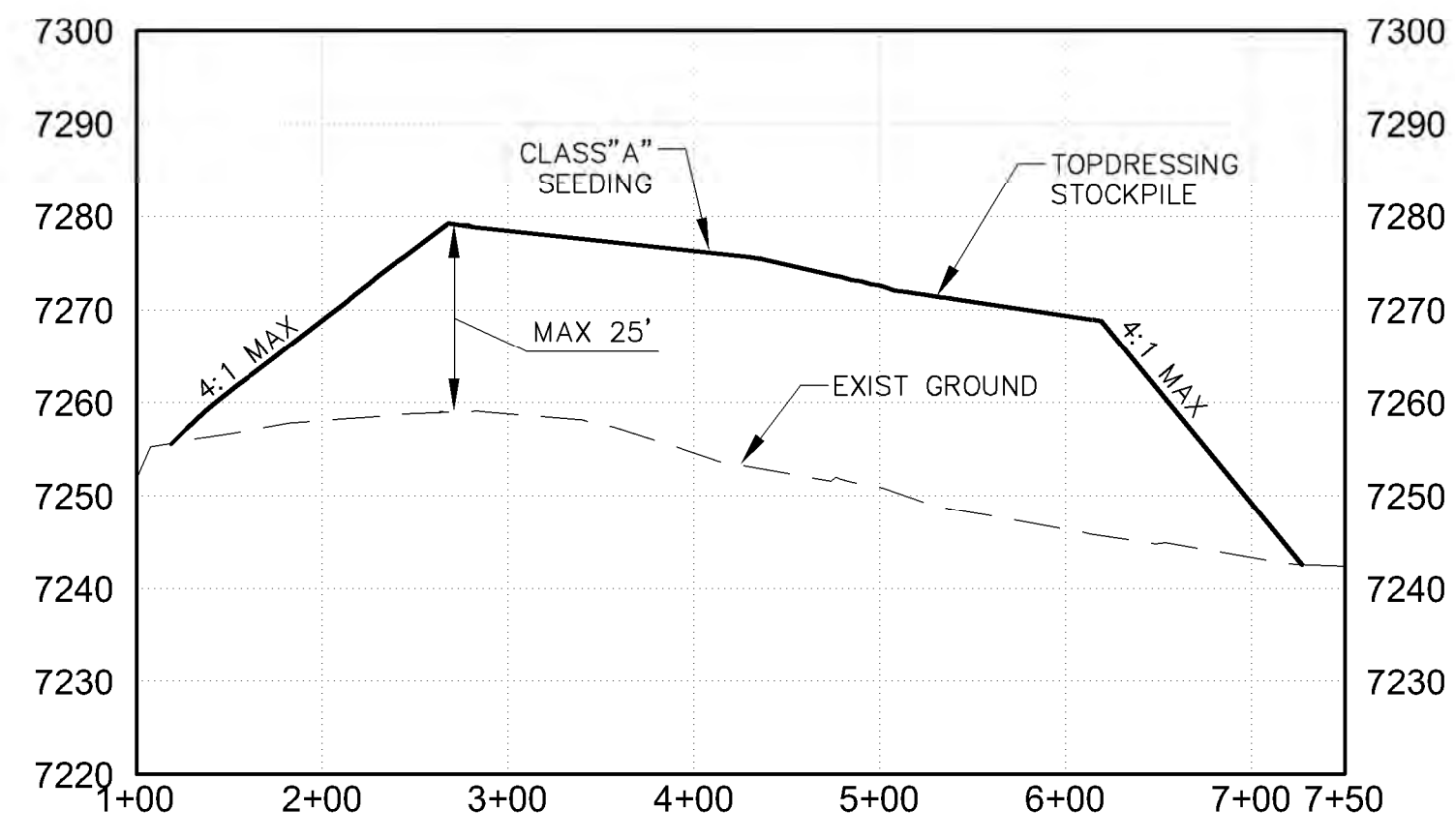
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
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DATE: JANUARY, 2012

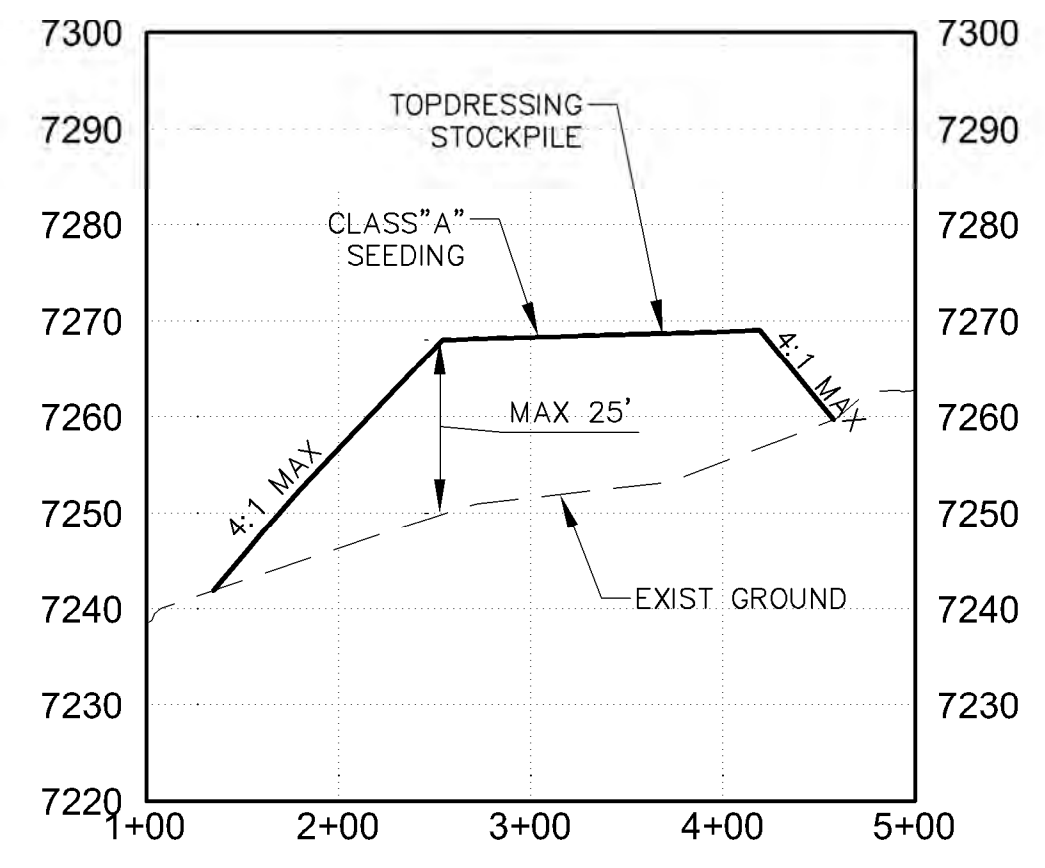
SHEET TITLE
STOCKPILE INDEX SHEET

SHEET NO:
SHEET 43 OF 85

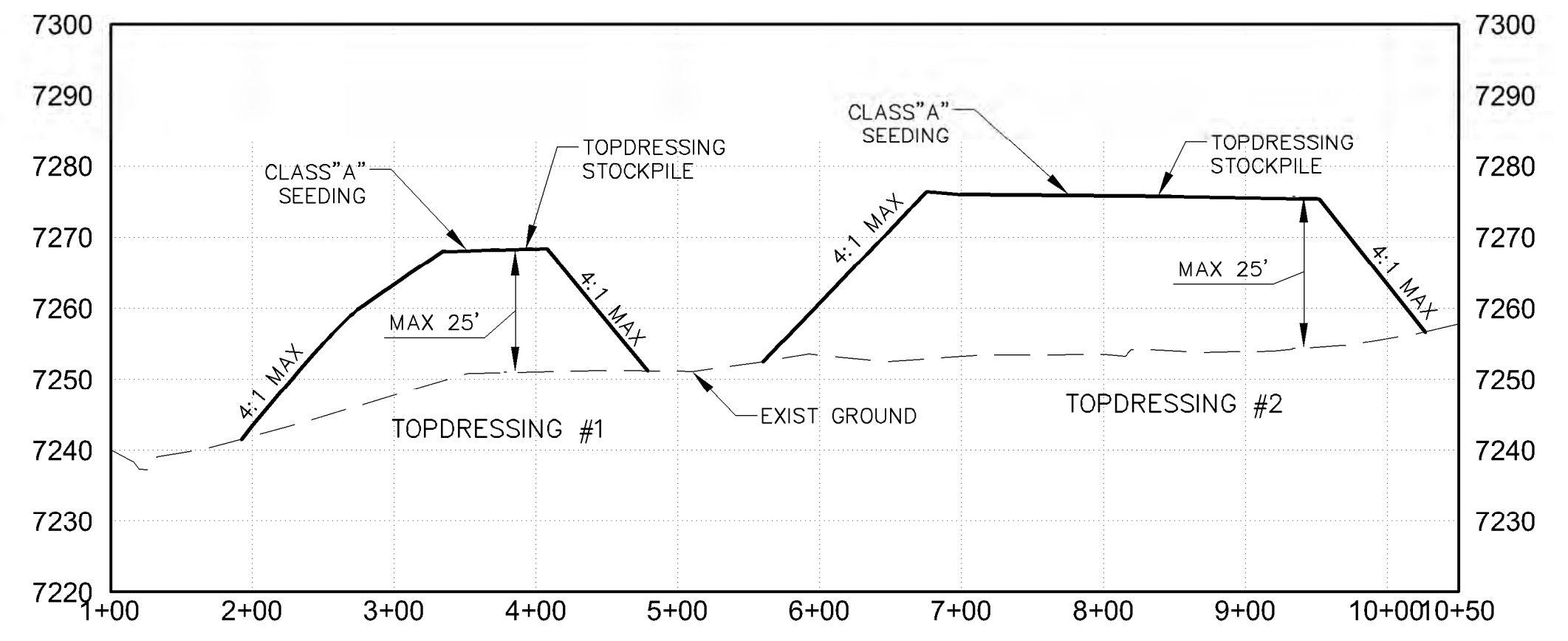
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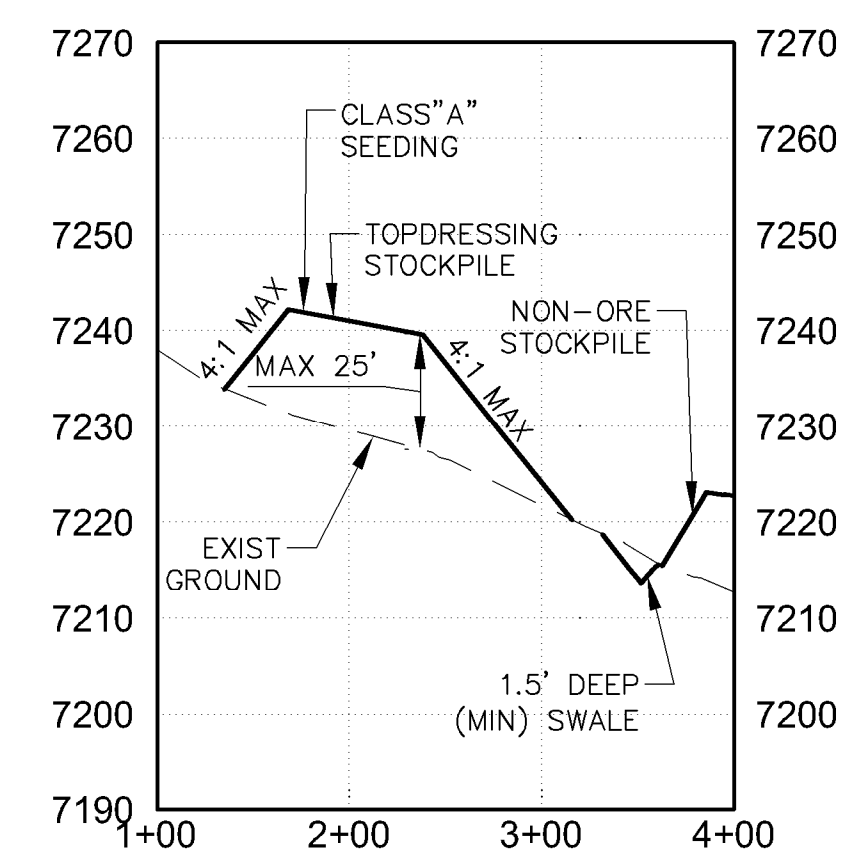
TOPDRESSING STOCKPILE #2
EAST to WEST



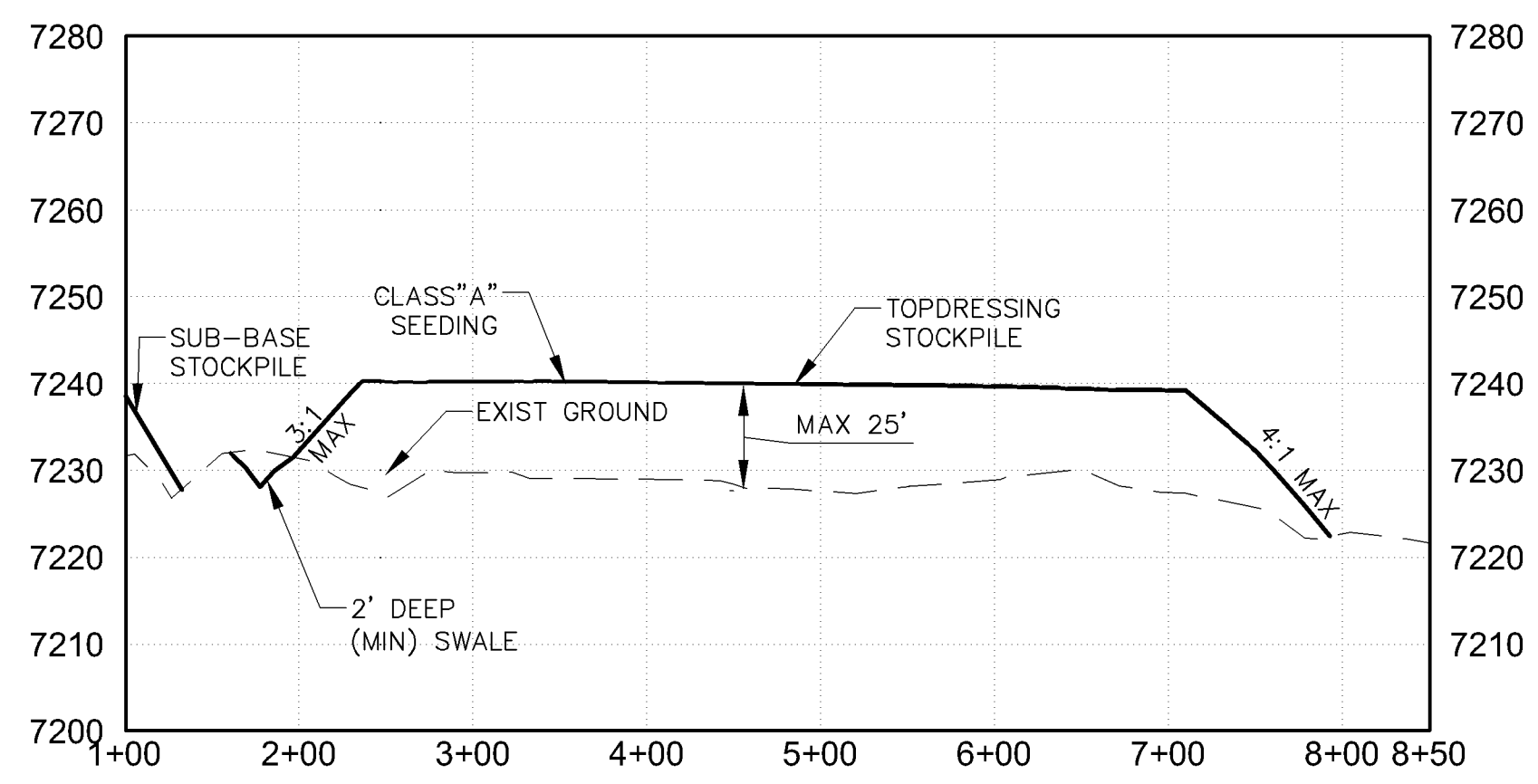
TOPDRESSING STOCKPILE #1
EAST to WEST



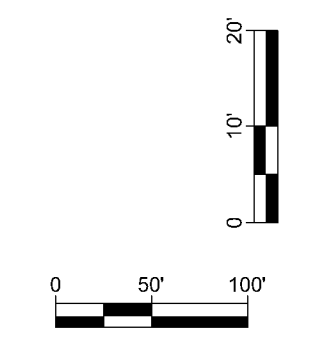
TOPDRESSING STOCKPILES #1 & #2
NORTH to SOUTH



TOPDRESSING STOCKPILE #3
EAST to WEST



TOPDRESSING STOCKPILE #3
NORTH to SOUTH



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SECTION 9, 10 & 16
SITE DEVELOPMENT**

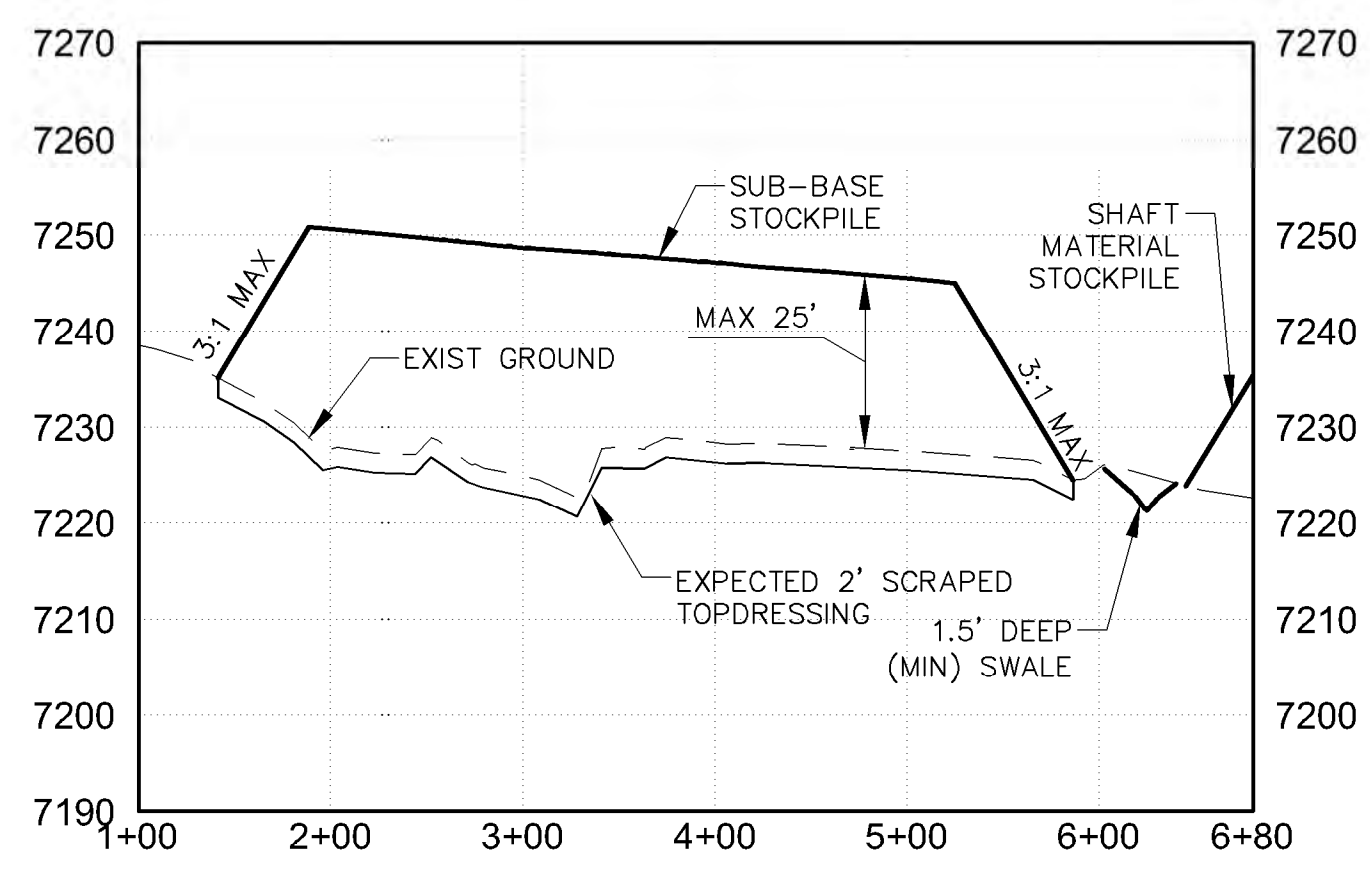
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

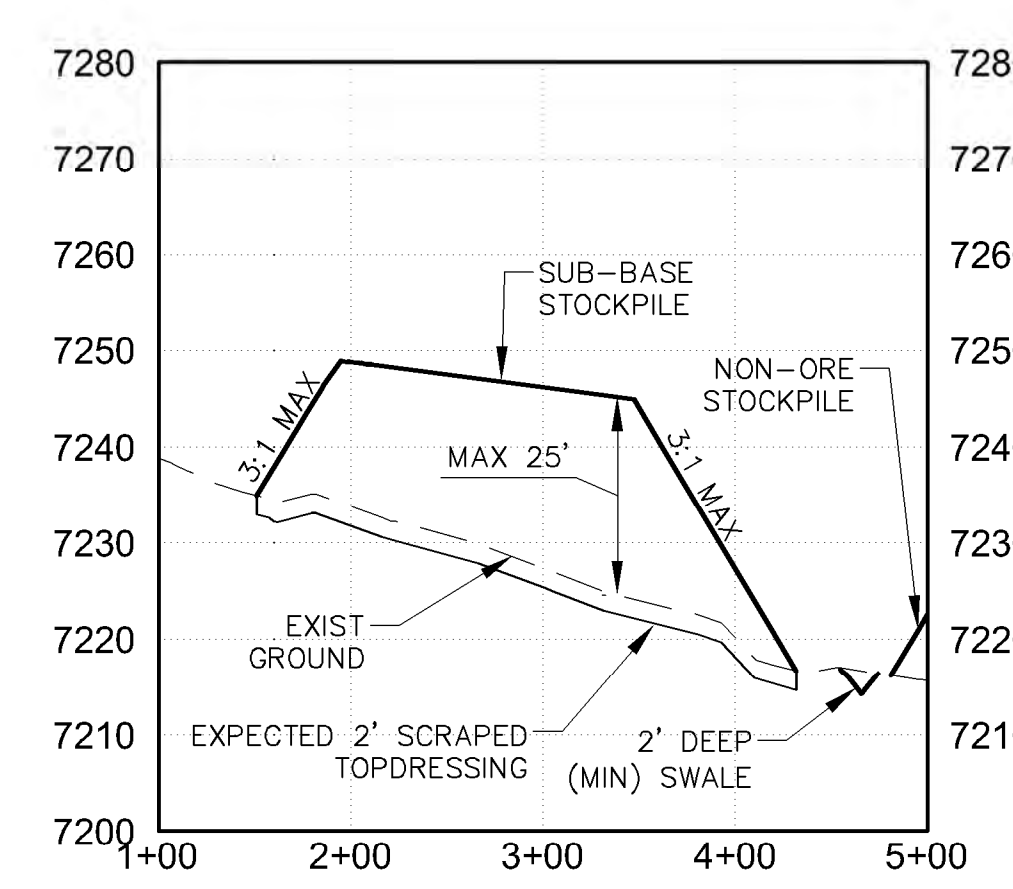
SHEET TITLE
**SECTION 16
STOCKPILE
SECTIONS**

SHEET NO:
SHEET 44 OF 85

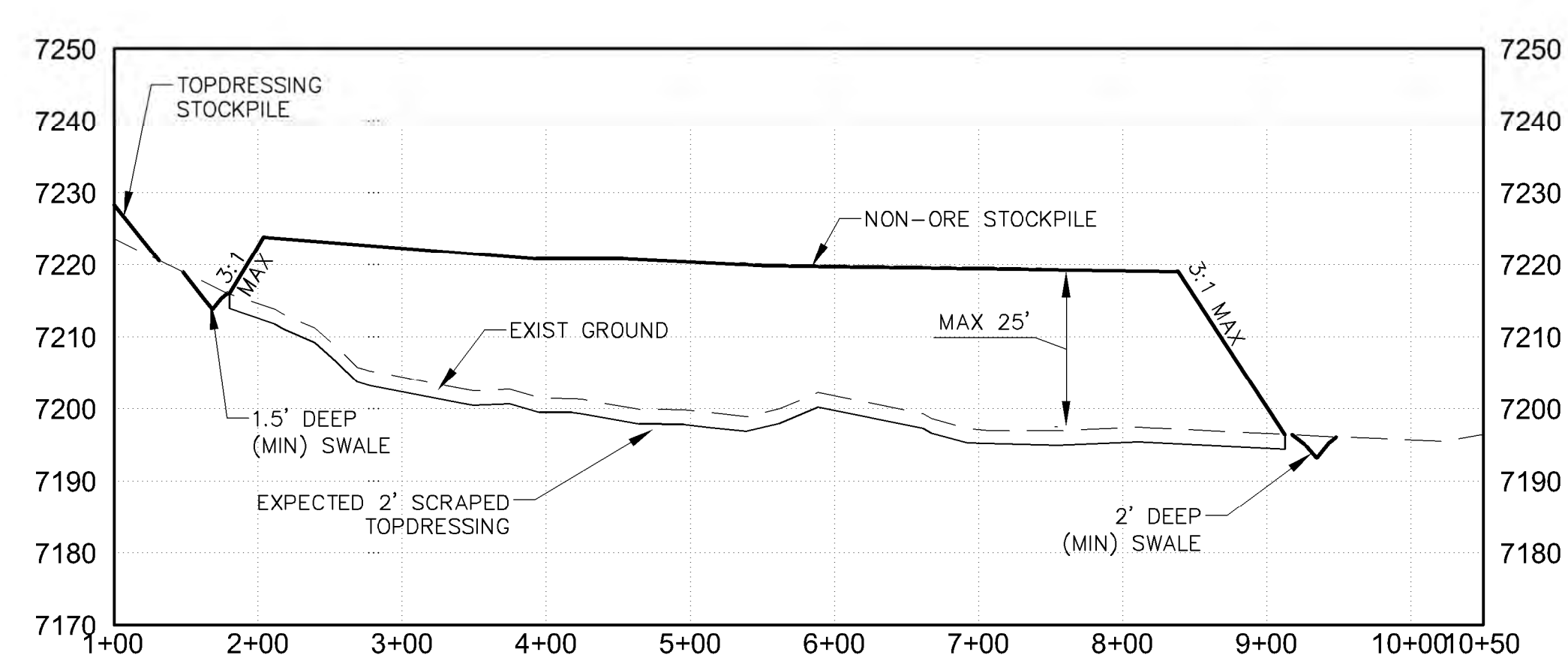
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9/27/11



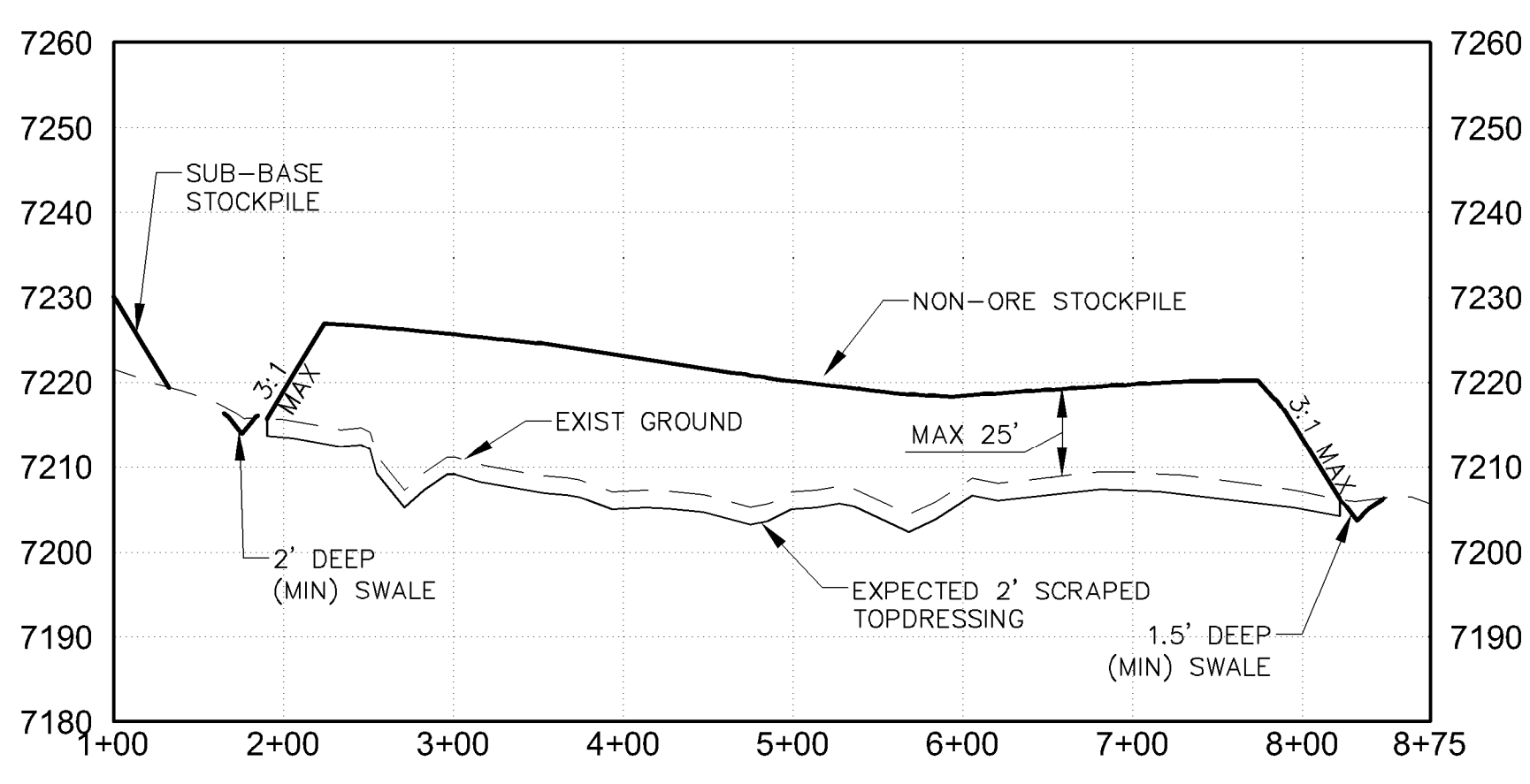
**SUB-BASE ROCK STOCKPILE
EAST to WEST**



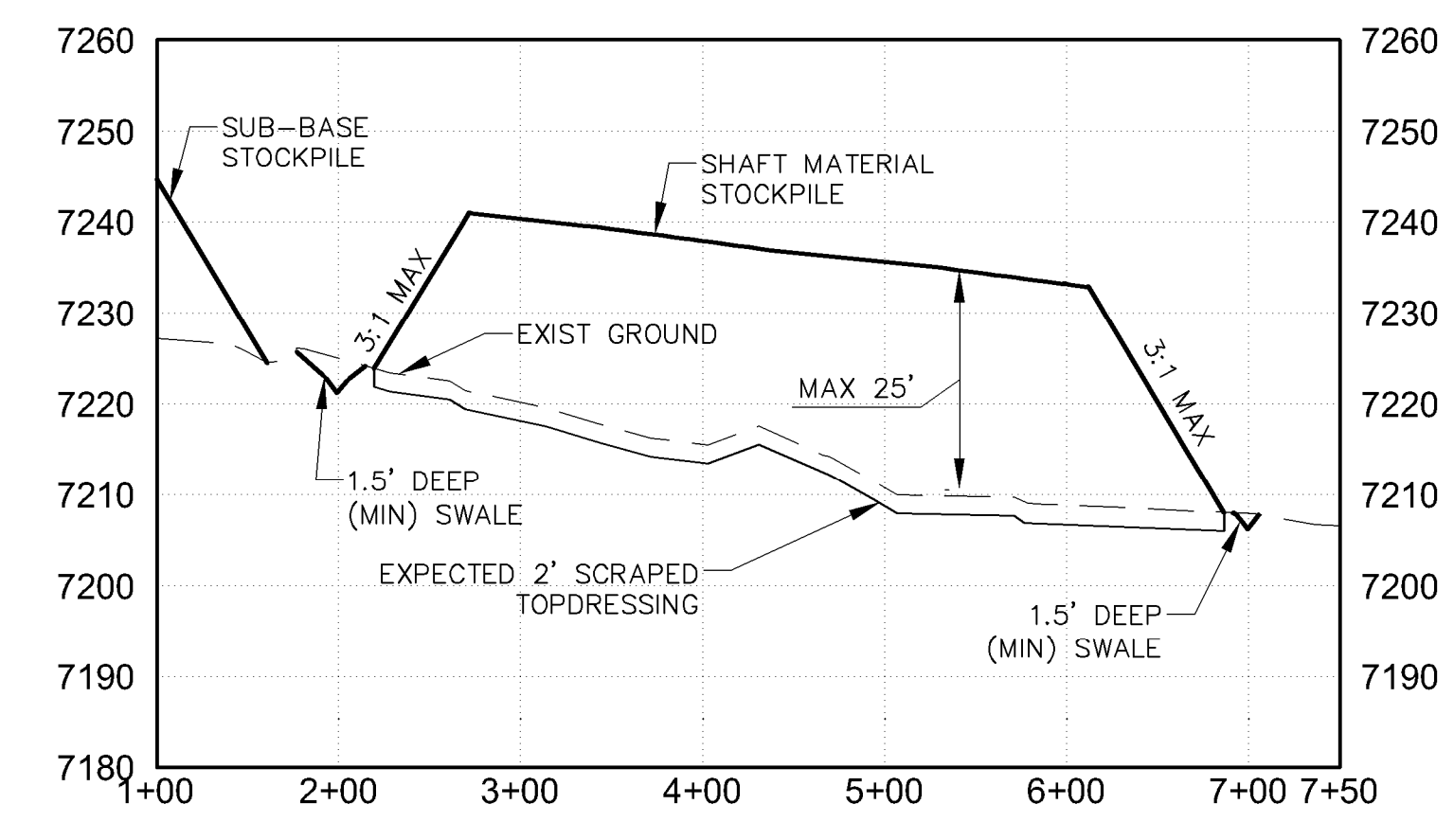
**SUB-BASE ROCK STOCKPILE
NORTH to SOUTH**



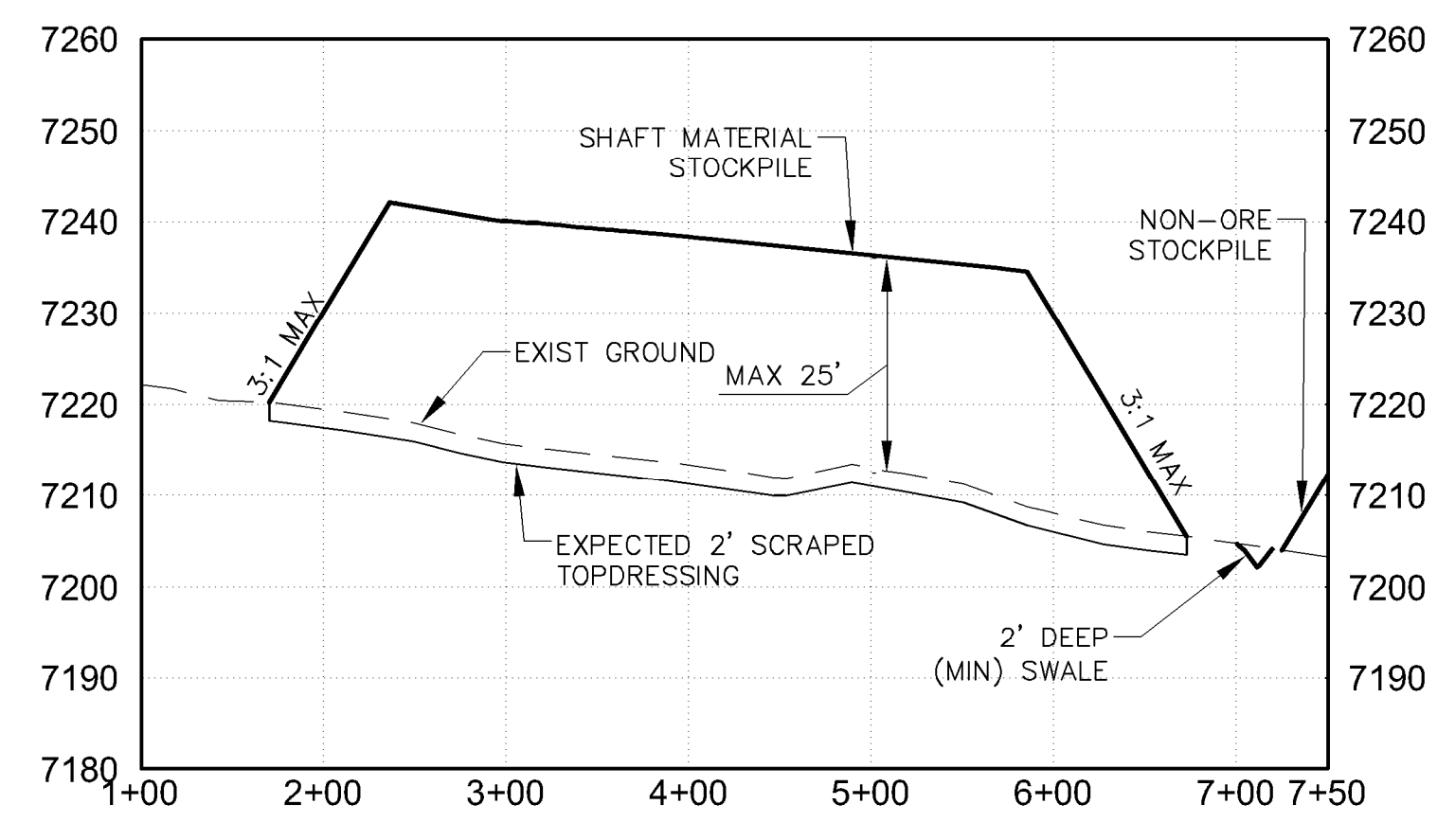
**NON-ORE STOCKPILE
EAST to WEST**



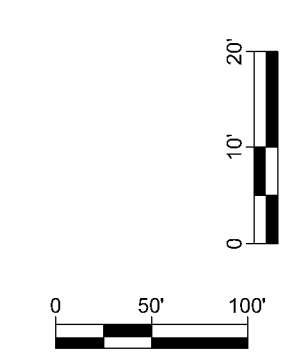
**NON-ORE STOCKPILE
NORTH to SOUTH**



**SHAFT MATERIAL STOCKPILE
EAST to WEST**



**SHAFT MATERIAL STOCKPILE
NORTH to SOUTH**



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SECTION 9, 10 & 16
SITE DEVELOPMENT

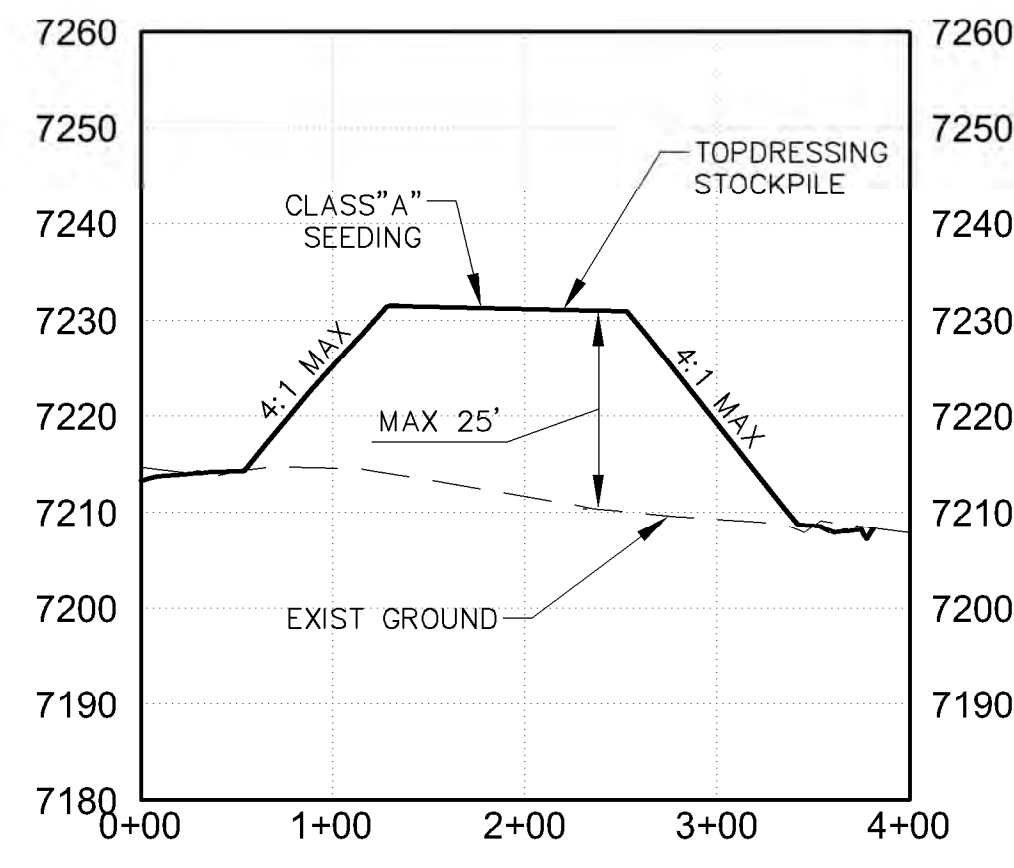
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

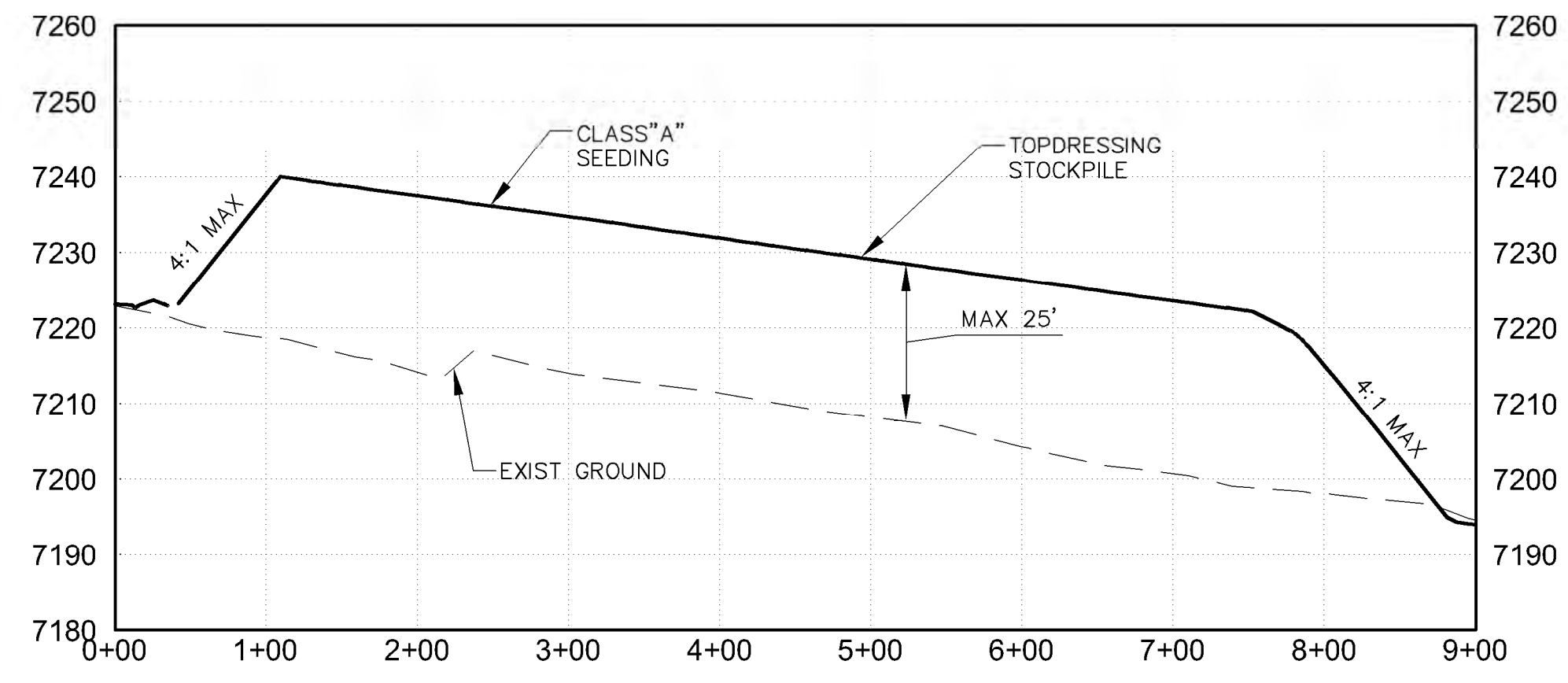
SHEET TITLE
**SECTION 16
STOCKPILE
SECTIONS**

SHEET NO:
SHEET 45 OF 85

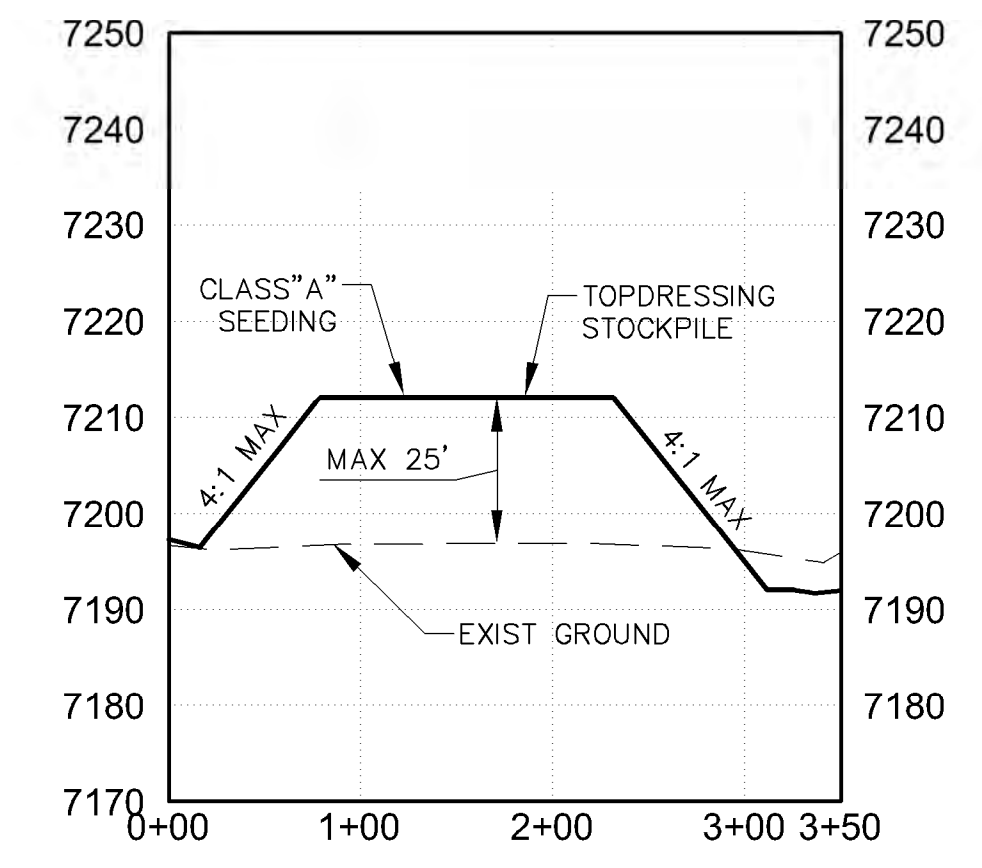
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12/30/11



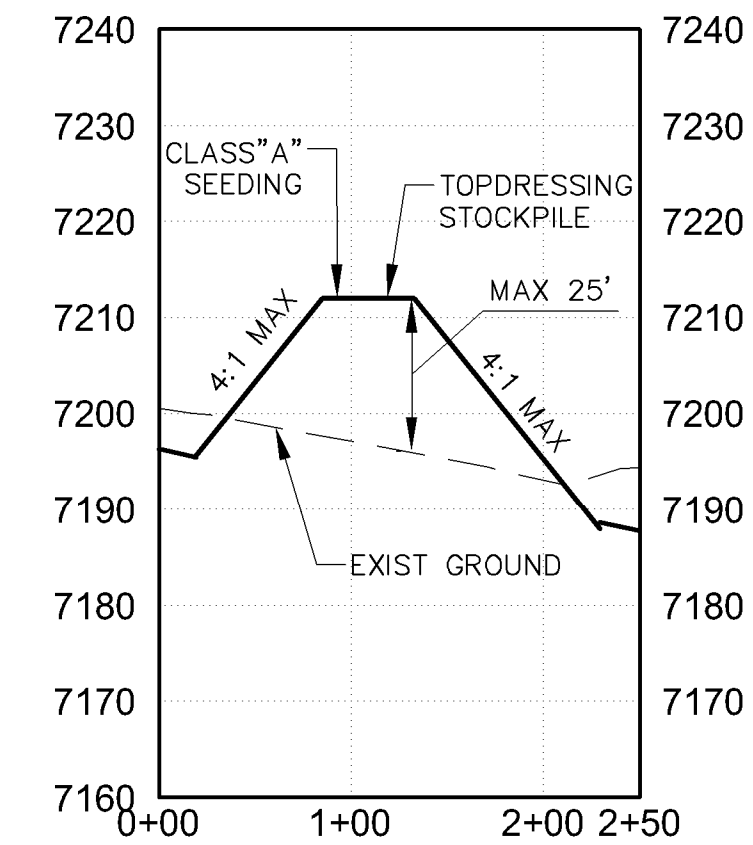
**NORTH TOPDRESSING STOCKPILE
EAST to WEST**



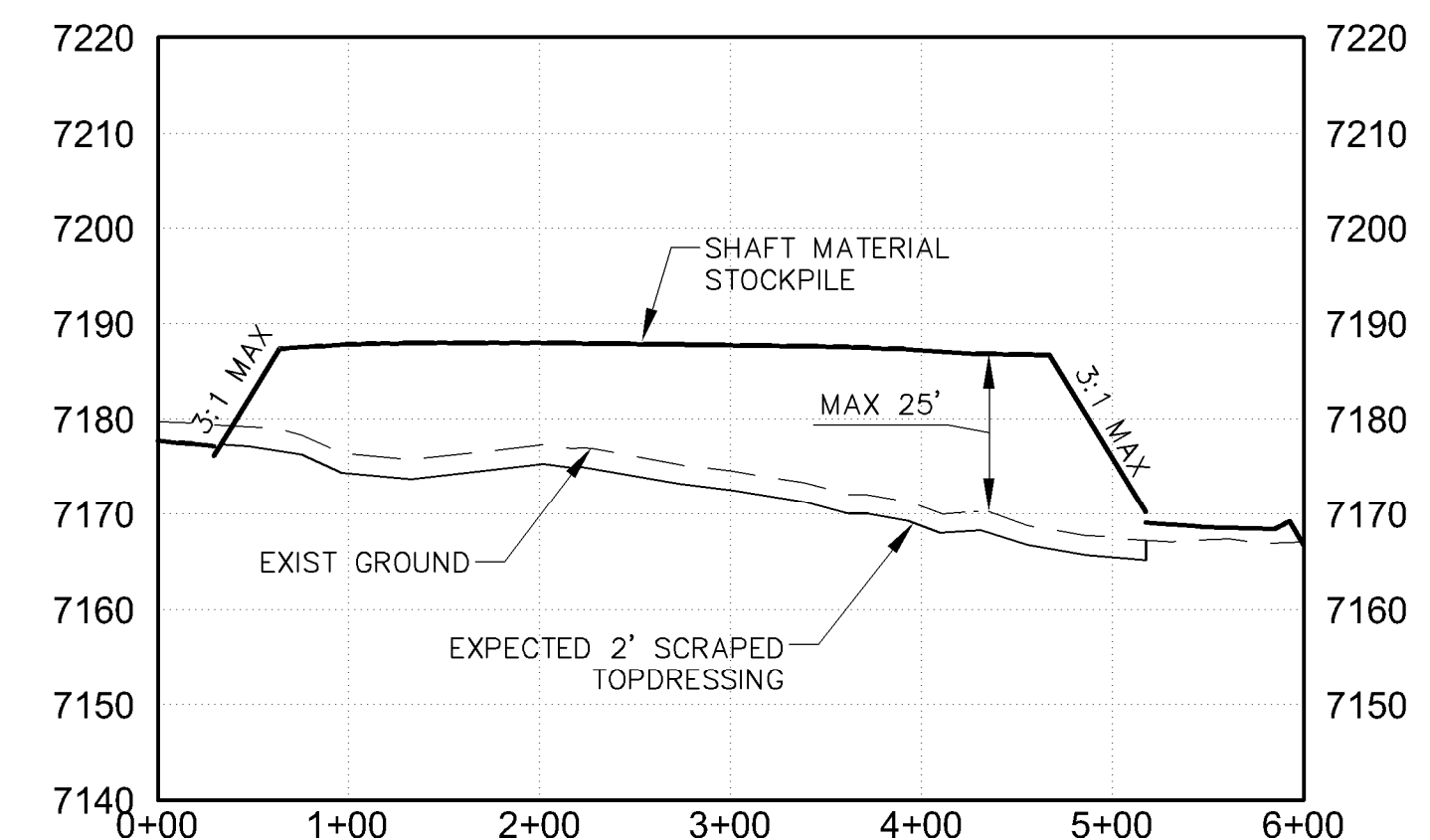
**NORTH TOPDRESSING STOCKPILE
NORTH to SOUTH**



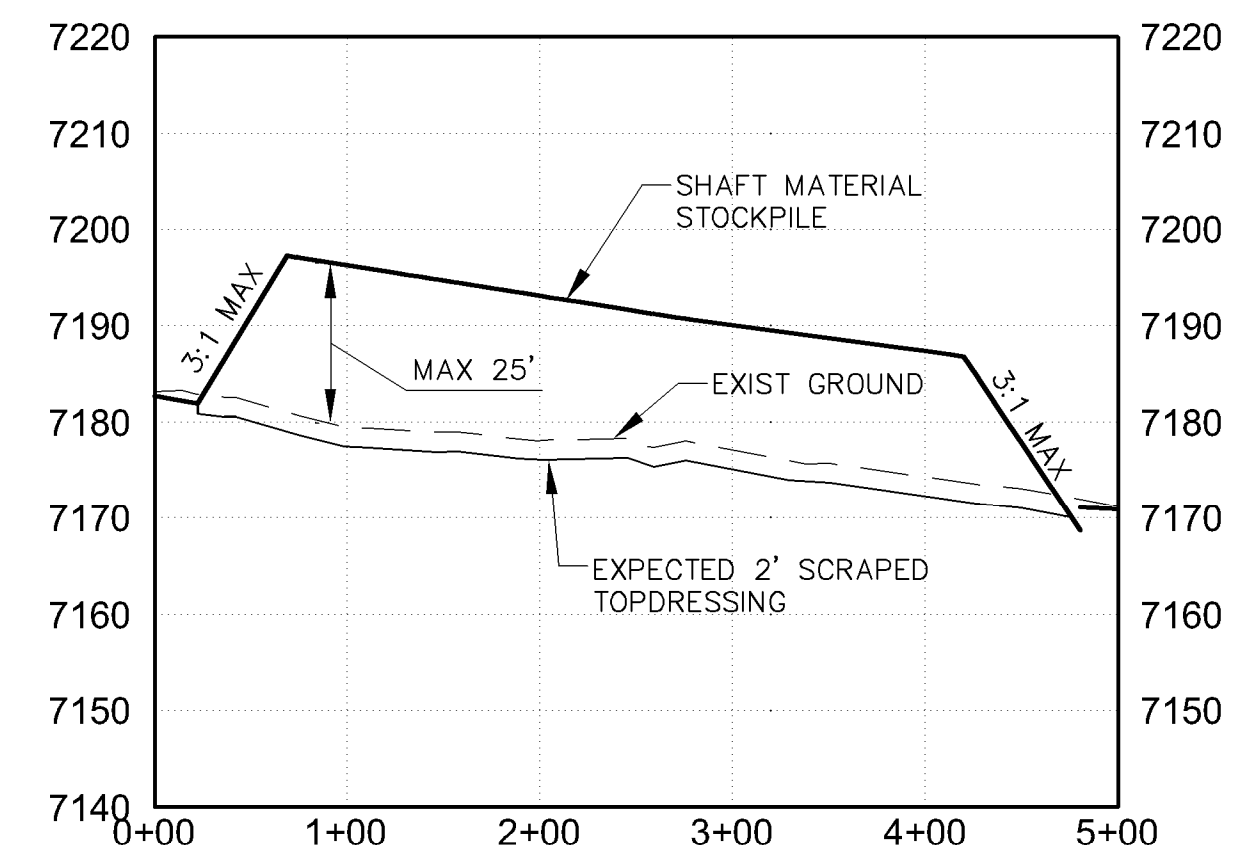
**SOUTH TOPDRESSING STOCKPILE
EAST to WEST**



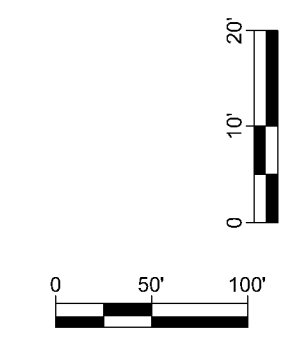
**SOUTH TOPDRESSING STOCKPILE
NORTH to SOUTH**



**SHAFT MATERIAL STOCKPILE
EAST to WEST**



**SHAFT MATERIAL STOCKPILE
NORTH to SOUTH**



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NOT FOR
CONSTRUCTION

PROJECT NAME
**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

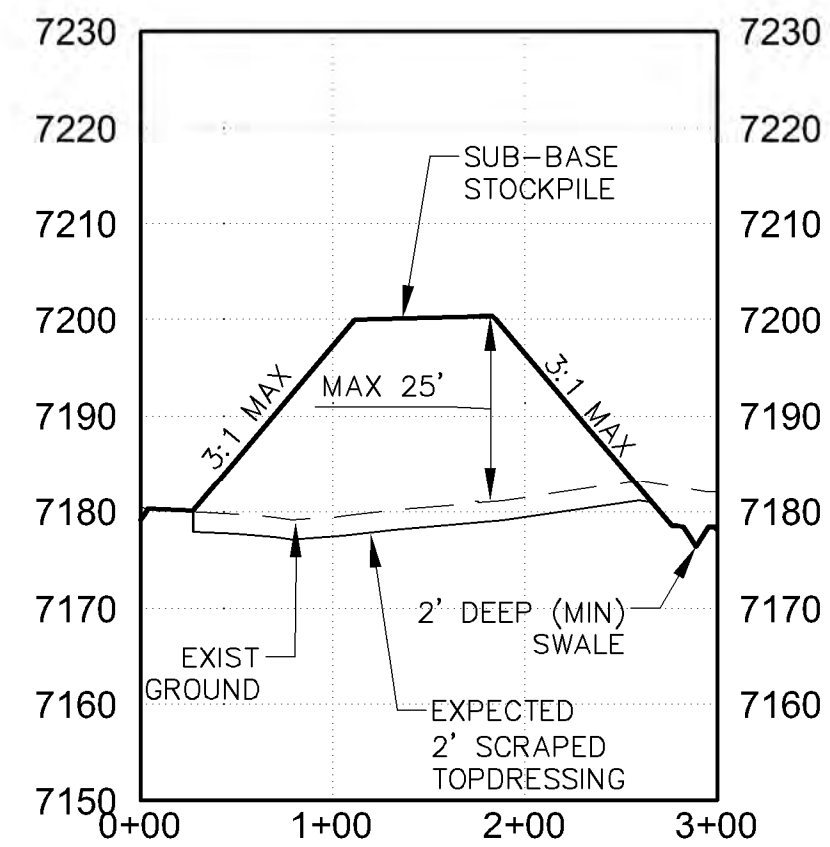
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PROJECT NO: 1160001900
DESIGNED BY: DMD
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DATE: JANUARY, 2012

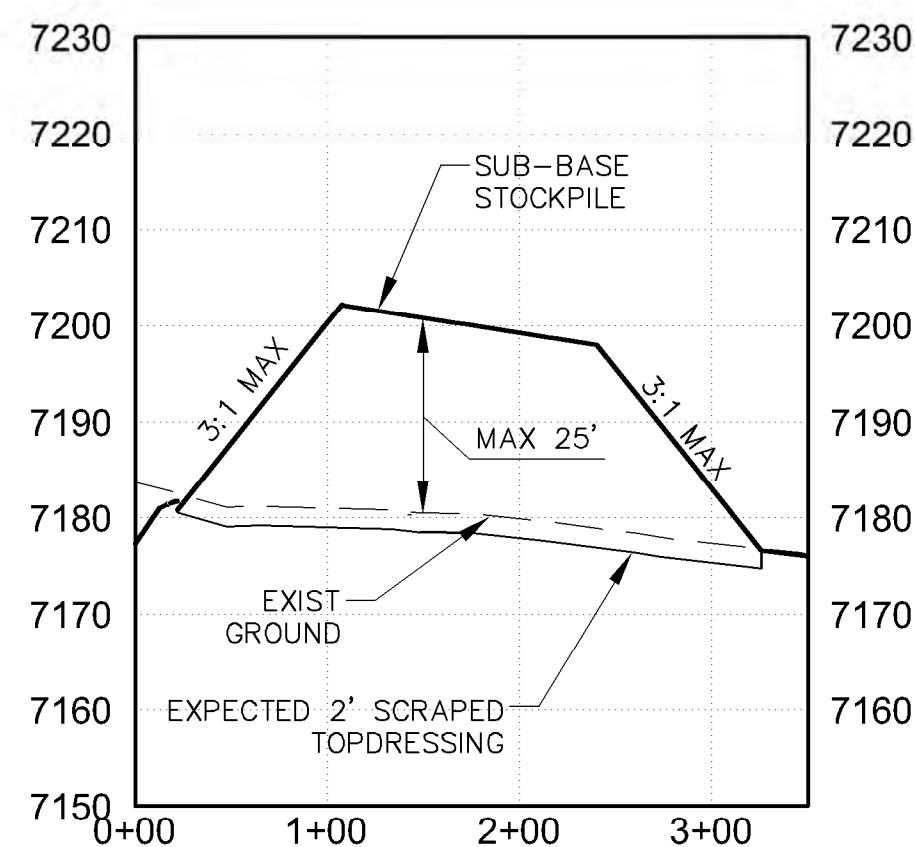
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**SECTION 10
STOCKPILE
SECTIONS**

SHEET NO:
SHEET 46 OF 85

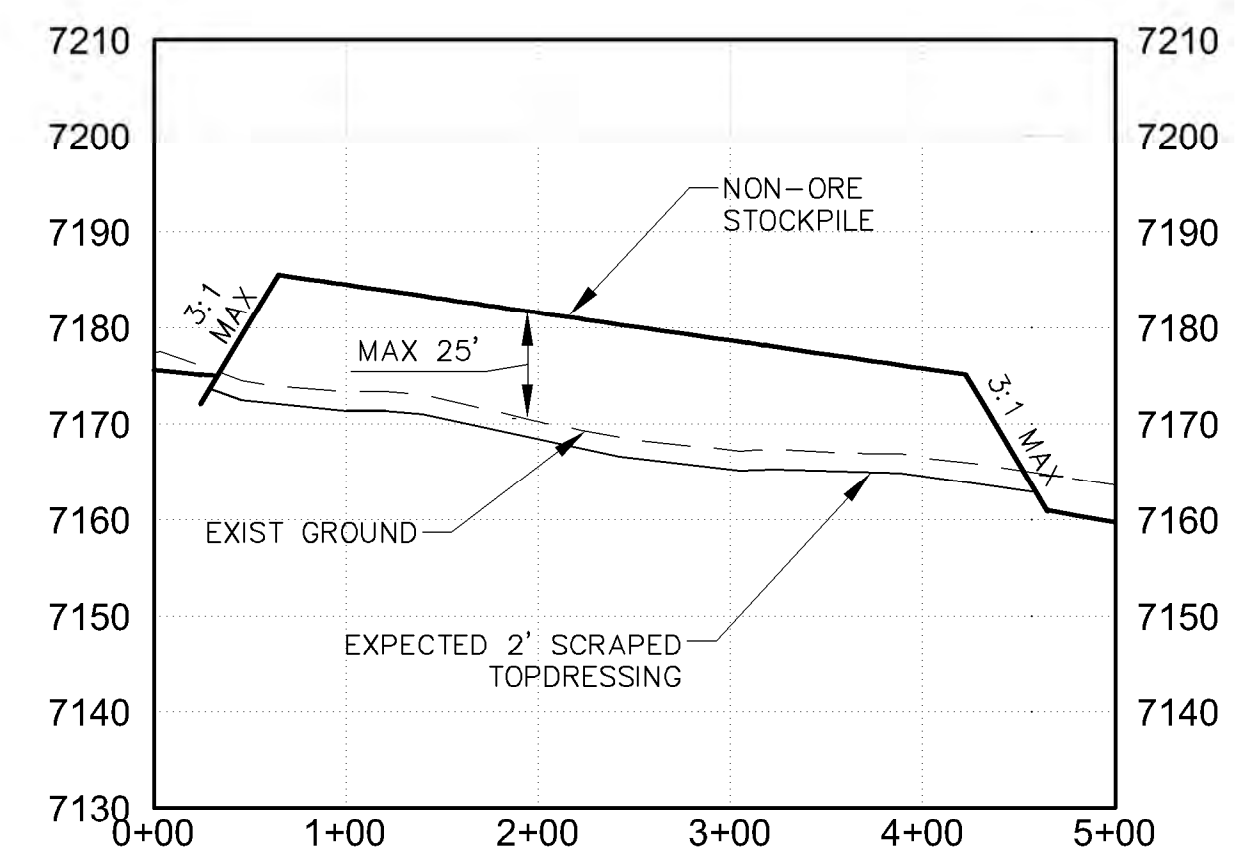
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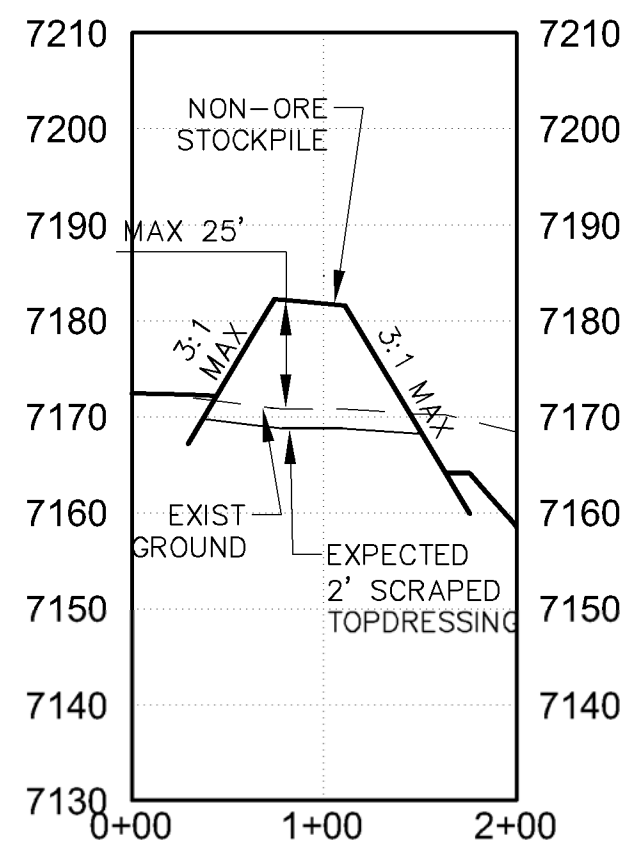
**SUB-BASE ROCK STOCKPILE
EAST to WEST**



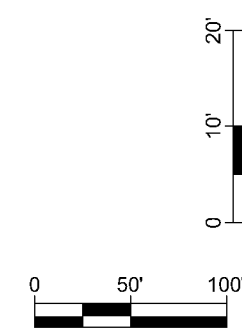
**SUB-BASE ROCK STOCKPILE
NORTH to SOUTH**



**NON-ORE STOCKPILE
EAST to WEST**



**NON-ORE STOCKPILE
NORTH to SOUTH**



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PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

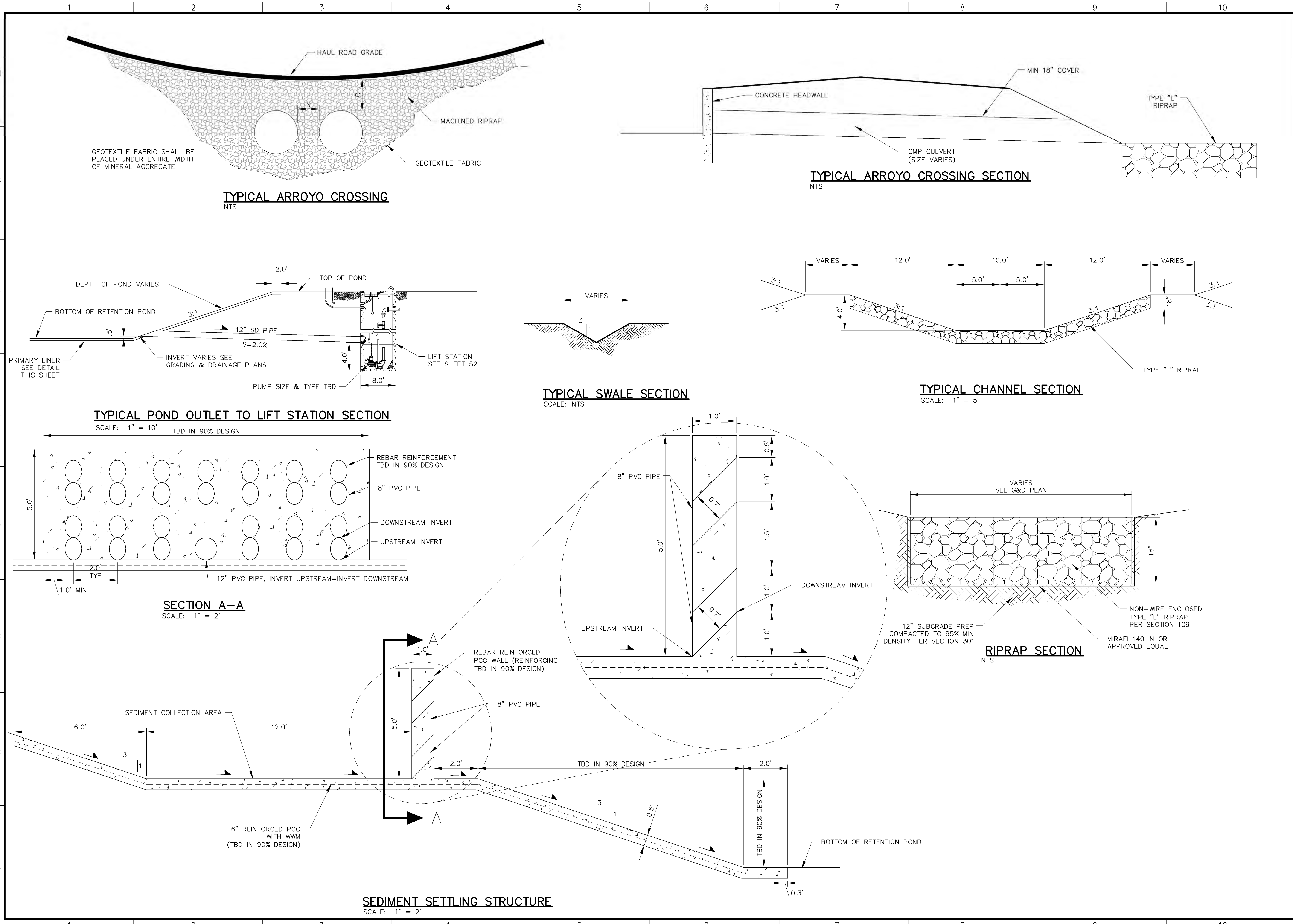
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
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DATE: JANUARY, 2012

SHEET TITLE
**SECTION 10
STOCKPILE
SECTIONS**

SHEET NO:
SHEET 47 OF 85

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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

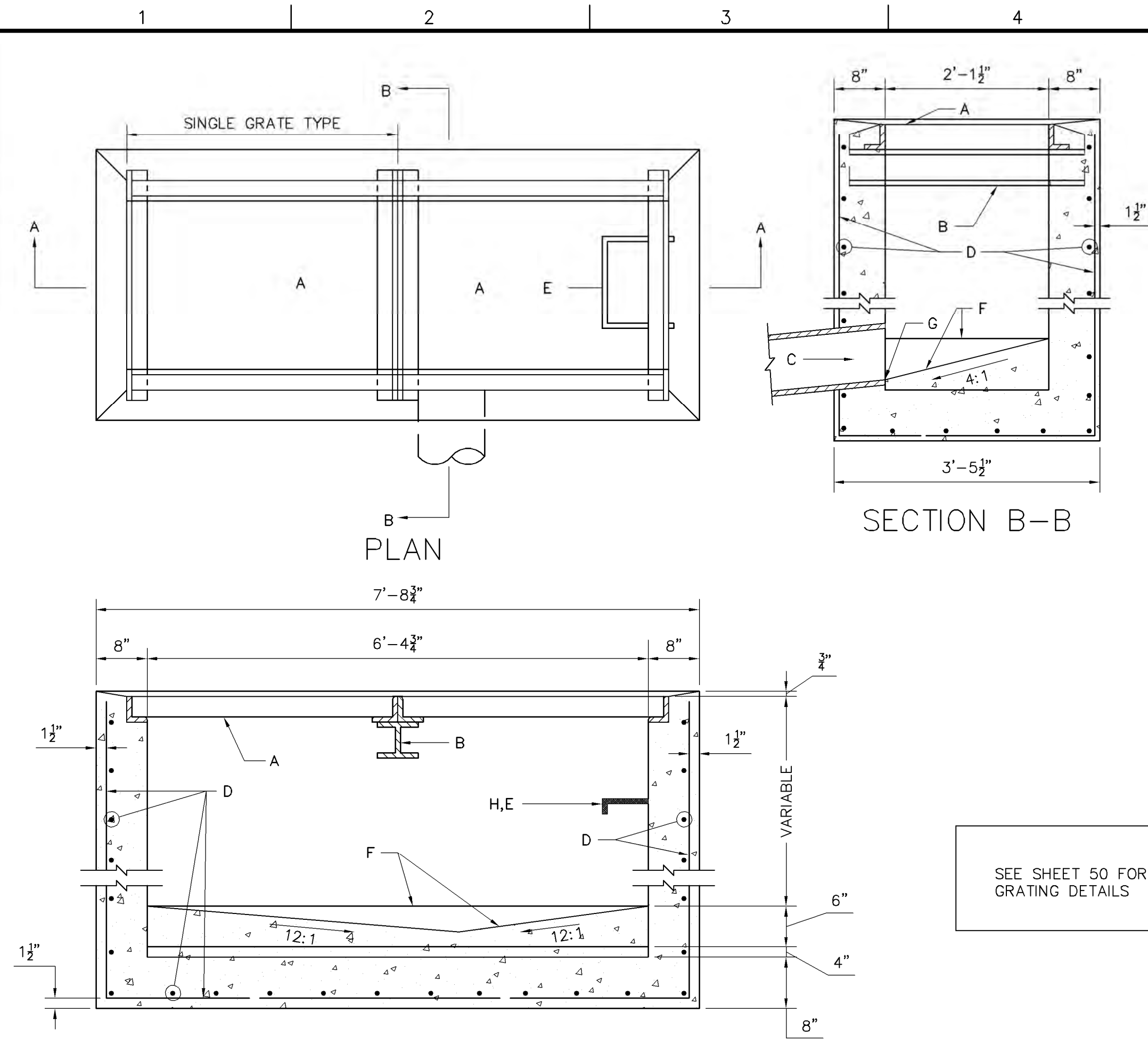
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012

SHEET TITLE
GRADING & DRAINAGE DETAILS

SHEET NO:
SHEET 48 OF 85

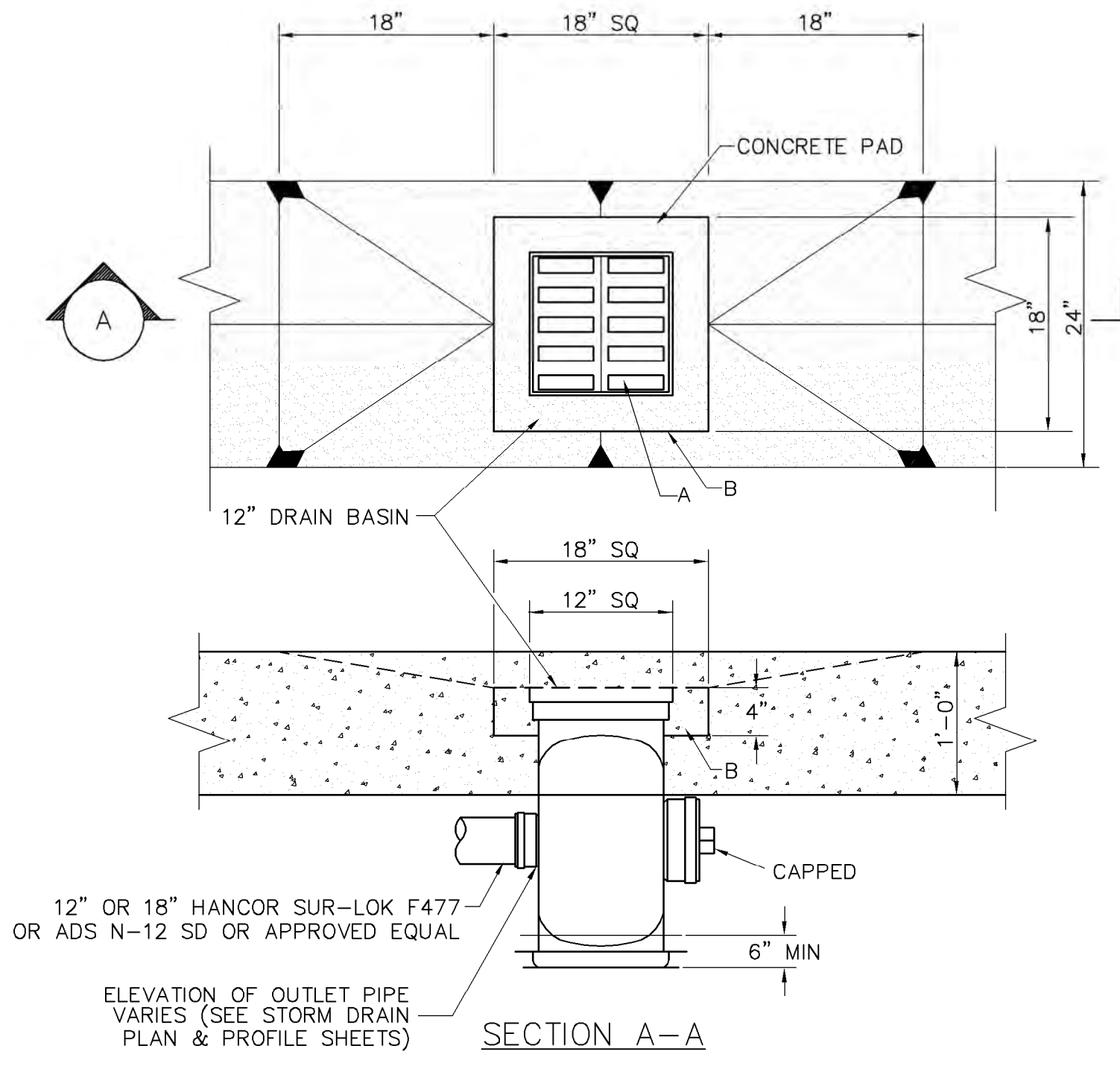
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9/27/11



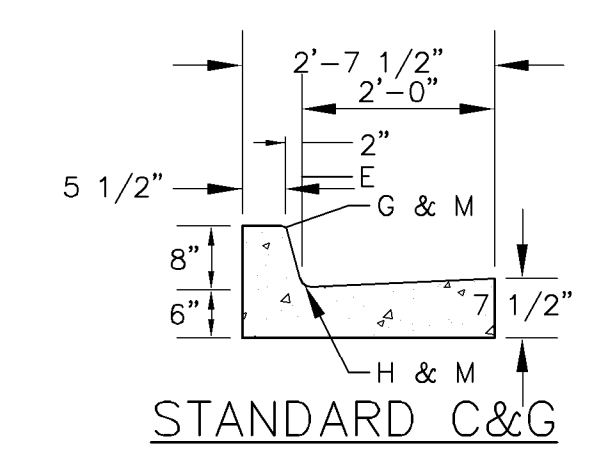
- GENERAL NOTES:**
1. FOR SINGLE GRATE TYPE STORM INLET, DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
 2. STORM INLET GUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
 3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
 4. FOR FRAME & GRATING, SEE SHEET 50
 5. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215. (NOT INCLUDED)

- CONSTRUCTION NOTES:**
- A. FRAME & GRATE.
 - B. CENTER SUPPORT ASSEMBLY.
 - C. CUT ONE HORIZONTL & ONE VERTICAL BAR MAX AT PIPE OPENING.
 - D. NO 4 BARS AT 6" OC EW
 - E. USE STANDARD STEPS, SEE DWG 2229. (NOT INCLUDED)
 - F. CONC FILL, SEE NOTE C, DWG 2201.
 - G. INVERT PER DESIGN.
 - H. INSTALL STIPS ON DOWNSTREAM FACE.
- NOTE: REFERENCED DRAWINGS TO BE INCLUDED IN FINAL CONSTRUCTION PACKAGE

SEE SHEET 50 FOR GRATING DETAILS

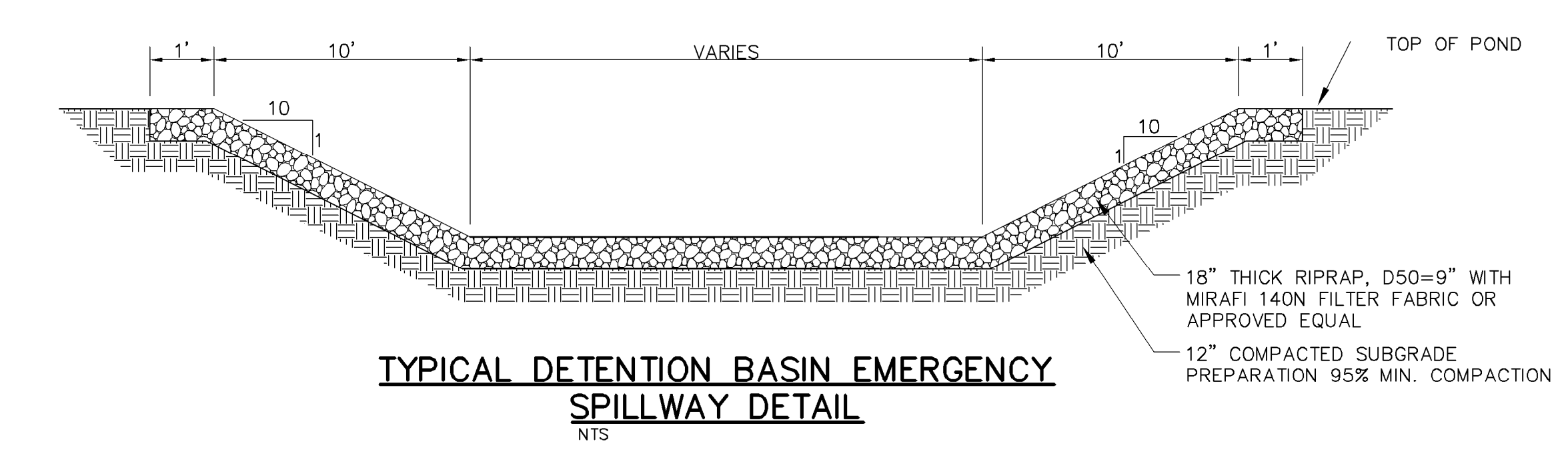



- CONSTRUCTION NOTES**
- A. PERFORATED CAST IRON GRATE WITH HINGED BASE
 - B. CIP CONCRETE: 28 DAY STRENGTH FC=3000 PSI



- CONSTRUCTION NOTES:**
- E. THEORETICAL FACE OF CURB OR FLOWLINE.
 - F. TRAFFIC SIDE.
 - G. 3/4" RADIUS.
 - H. 1 1/2" RADIUS.
 - J. 2" RADIUS.
 - K. 24" RADIUS.
 - L. TACK COAT.
 - M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.

- GENERAL NOTES:**
1. CURB & GUTTER WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
 2. FOR STANDARD AND MEDIAN C&G ADJACENT TO ASPHALT CONCRETE PAVEMENT, PROVIDE CONTRACTION AND EXPANSION JOINTS PER FP-03, SUB-SECTION 609.05 AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS. CURB & GUTTER CONSTRUCTION JOINTS WILL BE PLACED AT 10 FOOT CENTERS, WHICH WILL BE FORMED WITH METAL TEMPLATES NOT MORE THAN 1/8 INCH THICK AND WILL BE AT FULL DEPTH. PAVING WITH CURB MACHINE WILL FOLLOW THE REQUIREMENTS OF FP-03, SUBSECTION 609.05.
 3. ROUND ALL CORNERS AND EXPOSED EDGES ON THE CURB & GUTTER. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
 4. REMOVE AND REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C&G ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT.
 5. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
 6. ADA = AMERICAN WITH DISABILITIES ACT.
 7. CONCRETE FOR ALL SIDEWALKS, RUNDOWNS AND CURB & GUTTER WILL BE CLASS "A" (AE) CONCRETE. THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS WILL BE 3,000 PSI AND COMPLY WITH FP-03, SECTION 601, MINOR CONCRETE STRUCTURES.
 8. SUBGRADE UNDERNEATH SIDEWALKS, RUNDOWNS AND CURB & GUTTER WILL BE COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH FP-03, SUBSECTION 204.11(C).
 9. A LIQUID MEMBRANE FORMING CURING COMPOUND CONFORMING TO THE REQUIREMENTS WILL BE USED IN ACCORDANCE WITH FP-03, SUBSECTION 552.15(C) AND 711.01(D) FOR ALL CONCRETE.





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CONSTRUCTION

PROJECT NAME
**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

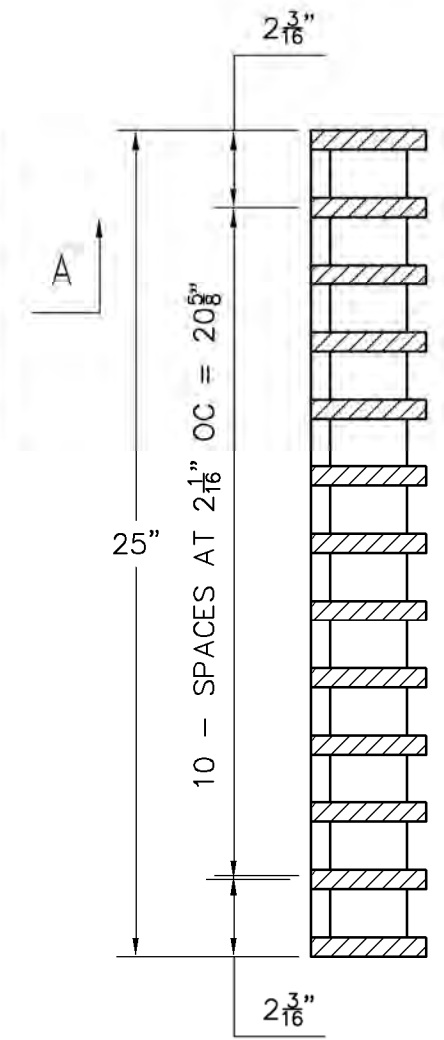
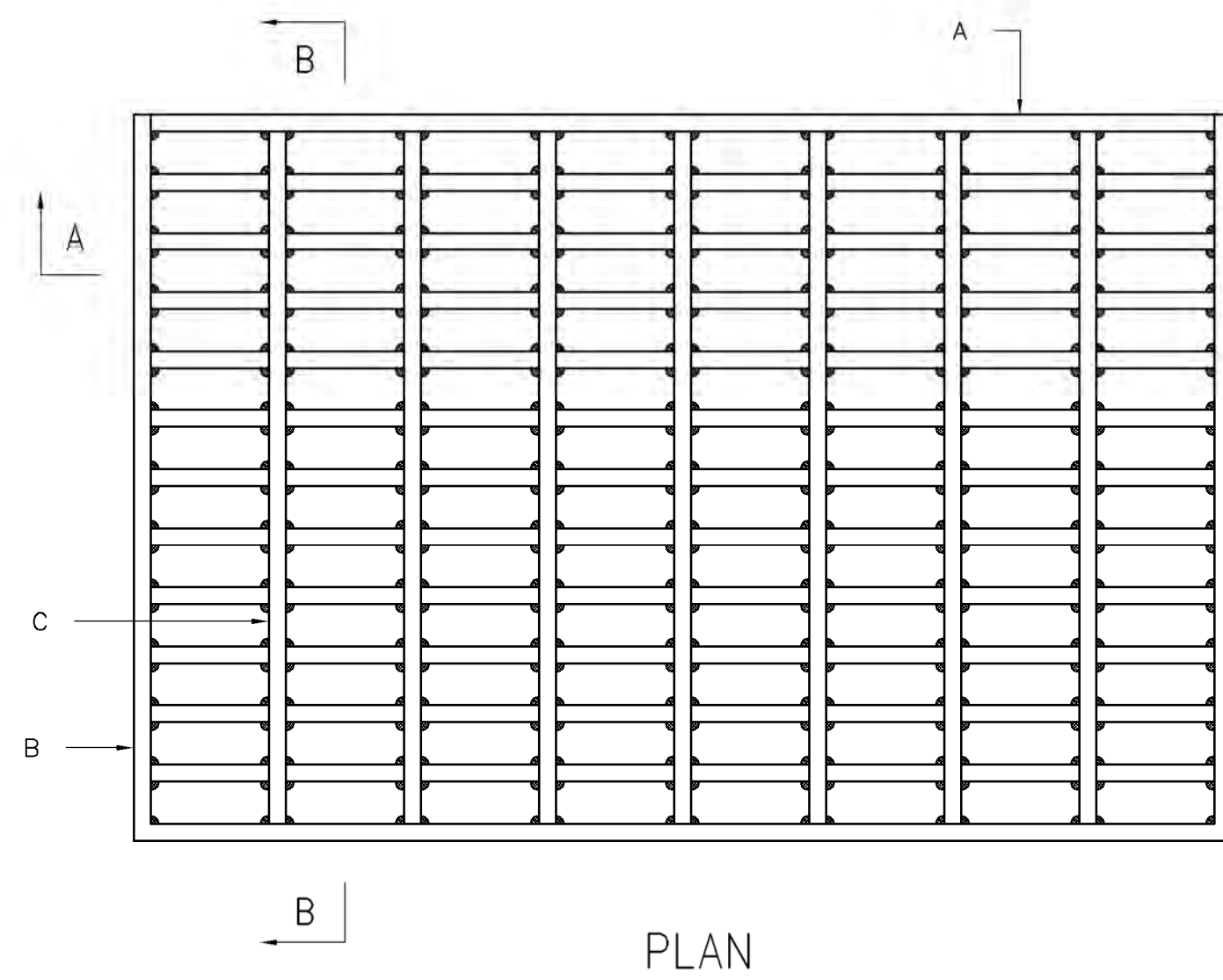
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
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DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
GRADING & DRAINAGE DETAILS

SHEET NO:
SHEET 49 OF 85

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9/27/11

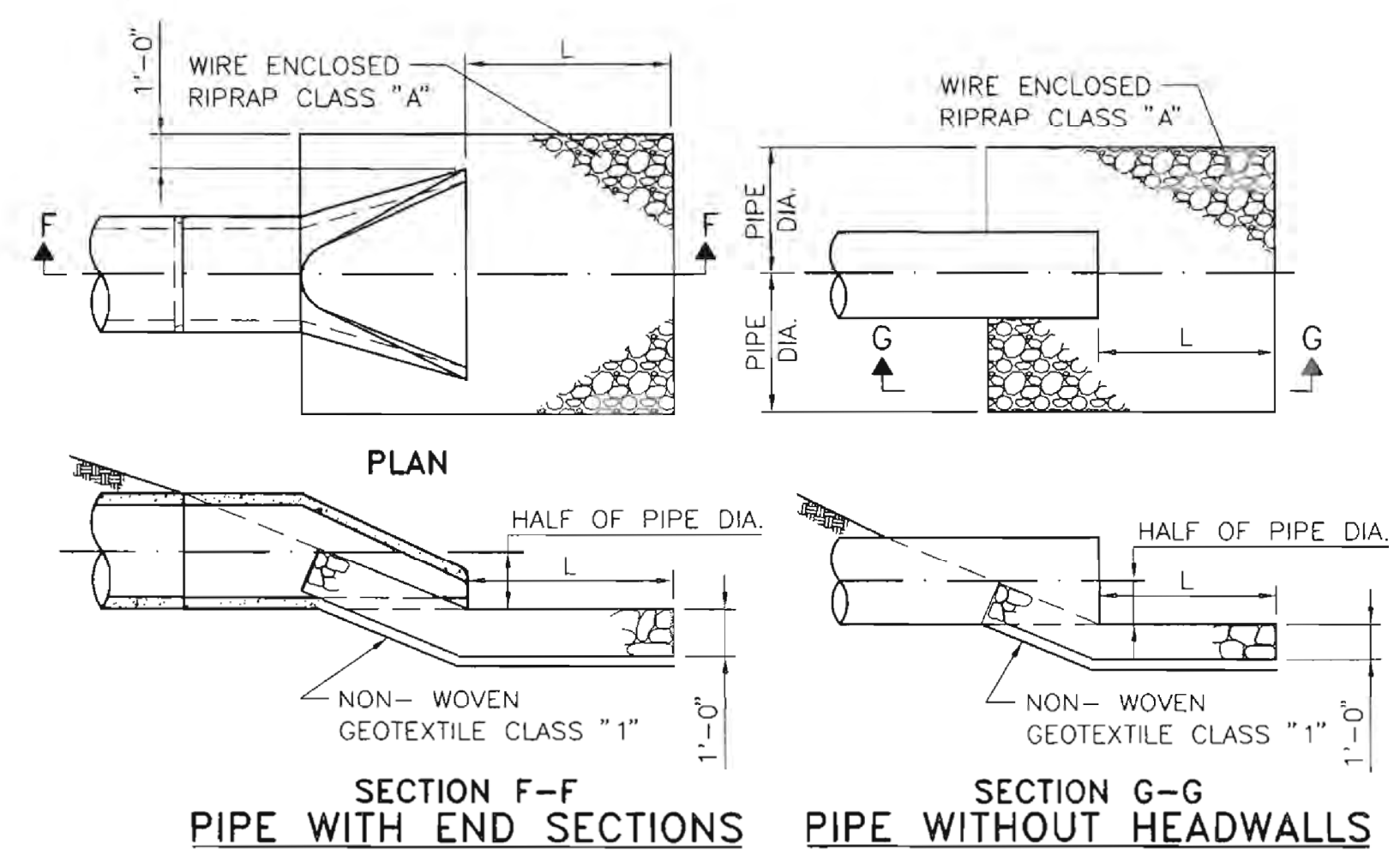


GENERAL NOTES:

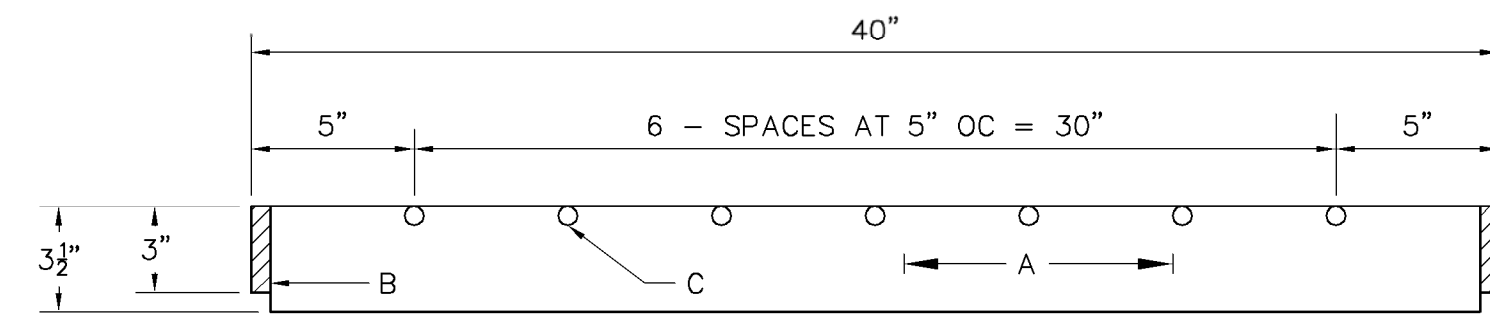
1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL. GRADE A36.
2. THE GRATE SHALL BE WELDED WITH $\frac{1}{8}$ " FILLET WELD AROUND BOTH SIDES OF CROSS BARS, $\frac{1}{2}$ ". FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TIP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE $\frac{1}{2}$ " MAX OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP $\frac{1}{2}$ " SPACE OR LESS.

CONSTRUCTION NOTES:

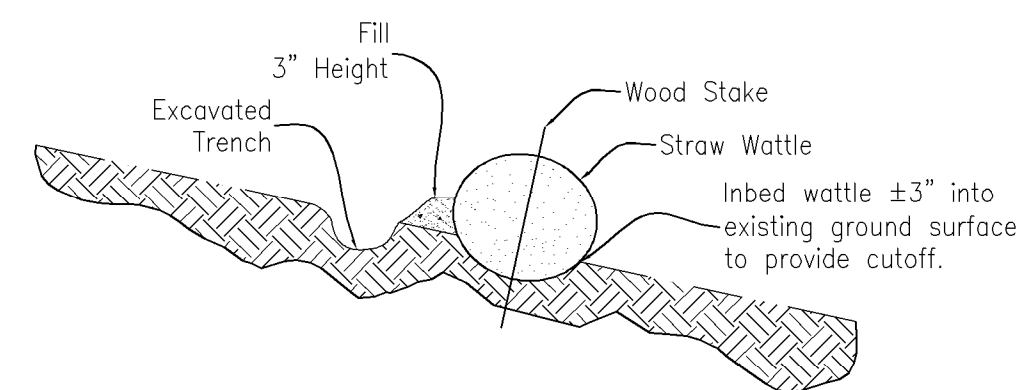
- A BEARING BARS, (13) $\frac{1}{2}$ " X $3\frac{1}{2}$ " X 39".
- B END BARS, (2) $\frac{1}{2}$ " X 3" X 25".
- C CROSS BARS, (7) $\frac{1}{2}$ " DIA X 24".



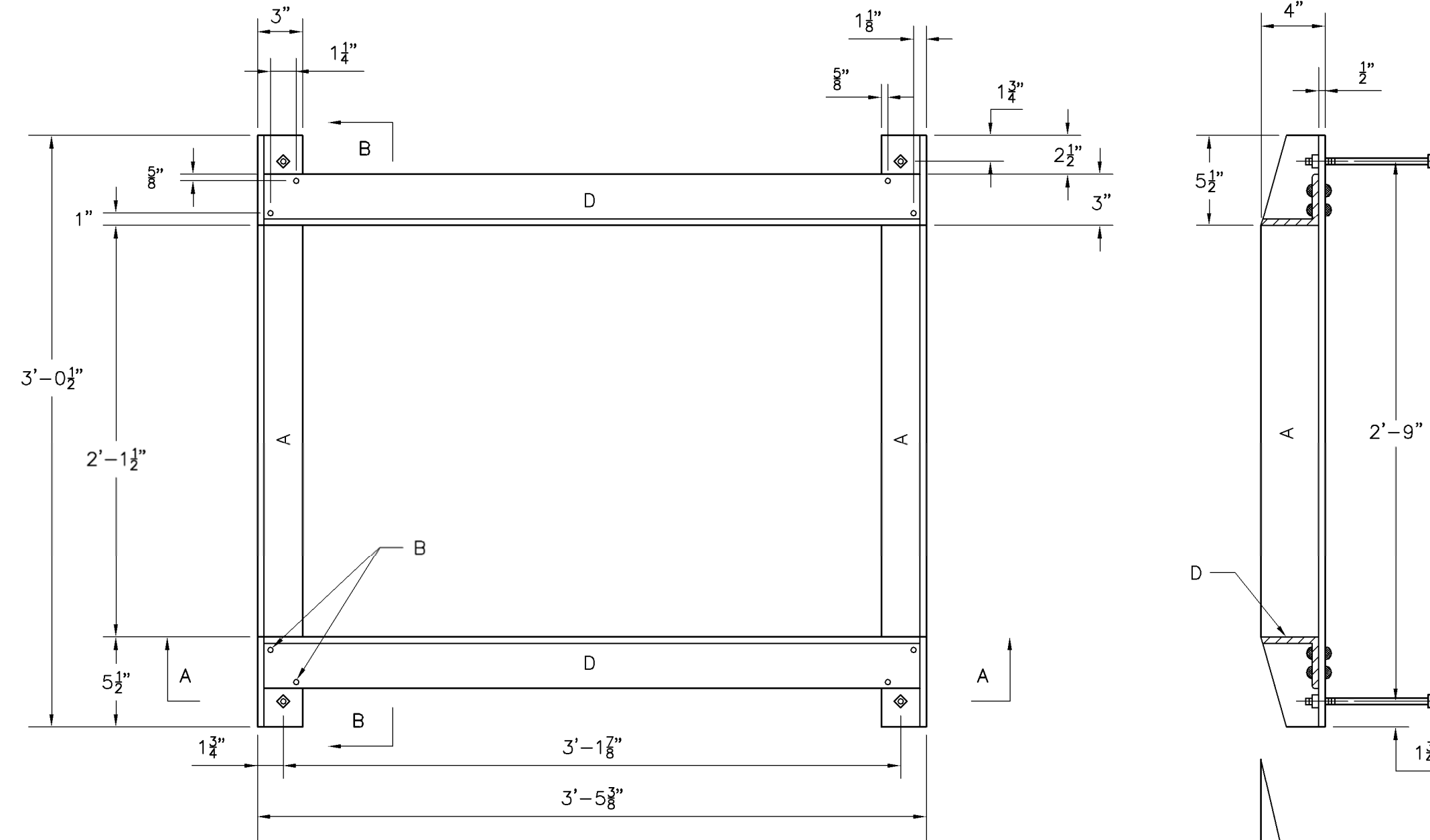
ENERGY DISSIPATER



TYPICAL STORM DRAIN INLET GRATE DETAIL



TYPICAL WATTLE DETAIL

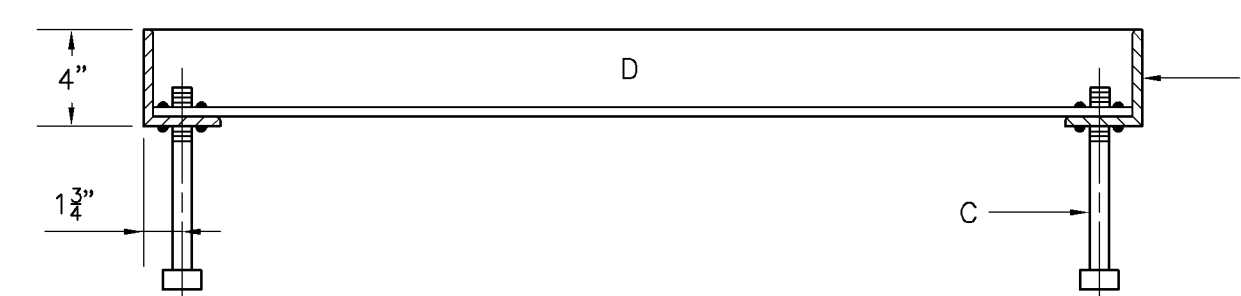


GENERAL NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING & DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISHED DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURAL STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG 2215, GENERAL NOTE NO 4.
4. FRAME MAY BE WELDED OR RIVETED.

CONSTRUCTION NOTES:

- A. 4" X 3" X $\frac{1}{2}$ " X 3'-0 $\frac{1}{2}$ "
- B. 2 - $\frac{3}{8}$ " RIVETS AT EACH CORNER, SEE GENERAL NOTE NO 5.
- C. 4 - $\frac{1}{2}$ " X 8" BOLTS WITH SQUARE HEAD & NUT AT EACH CORNER. FOR ANCHORING FRAME INTO CONCRETE WALL.
- D. 3 - $\frac{1}{2}$ " X 3" X $\frac{3}{8}$ " X 3'-4 $\frac{3}{8}$ "



TYPICAL STORM DRAIN INLET FRAME DETAIL



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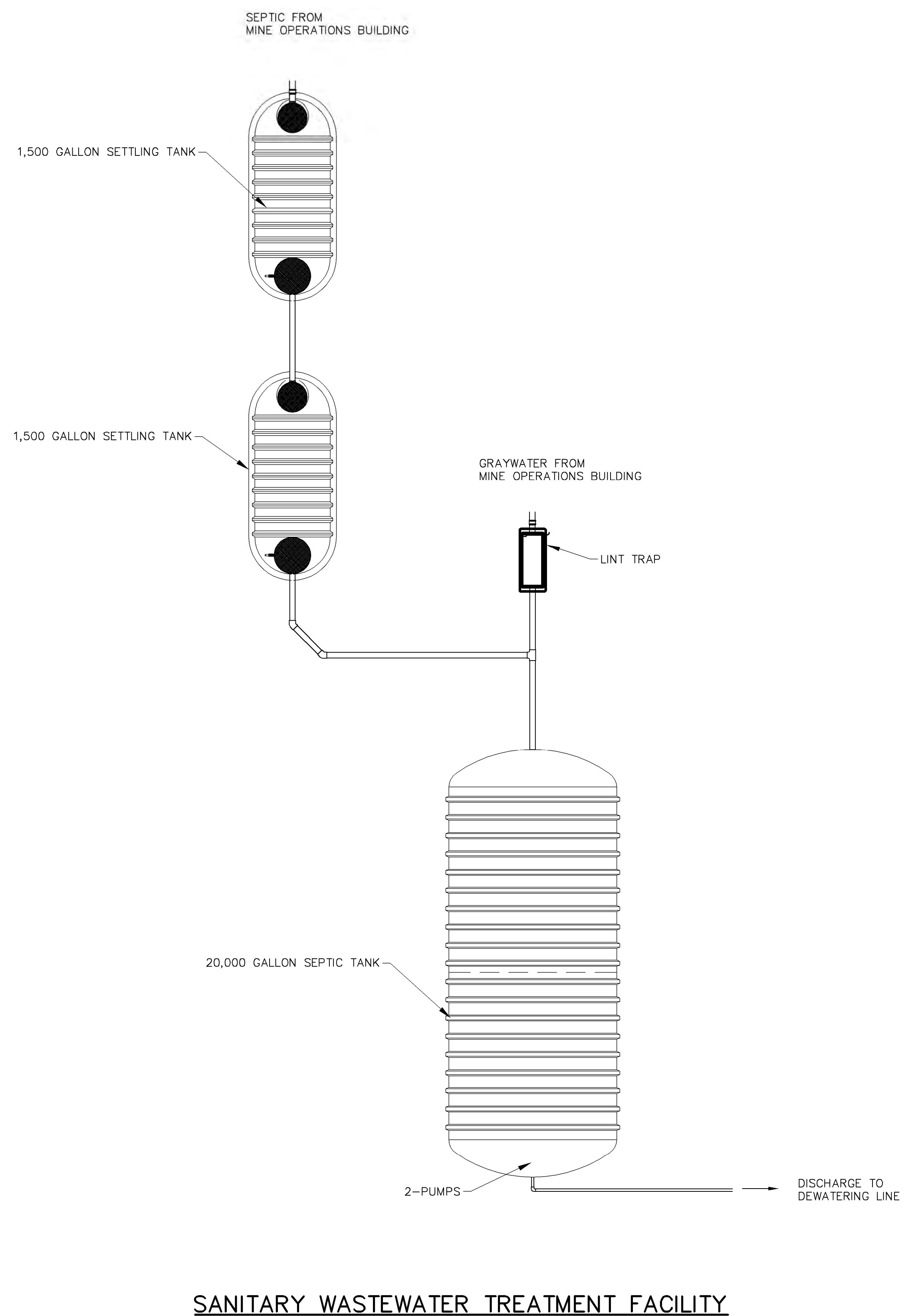
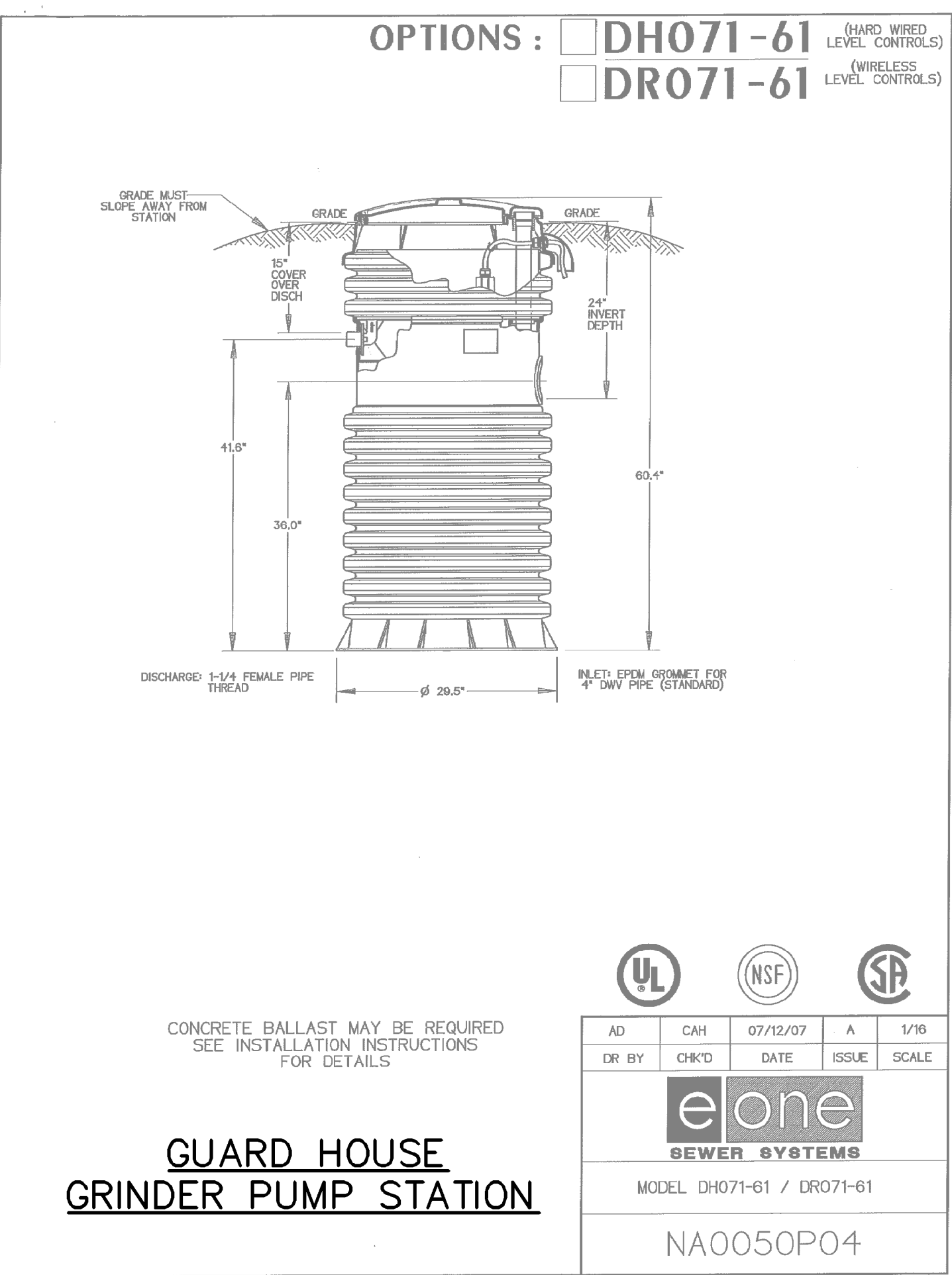
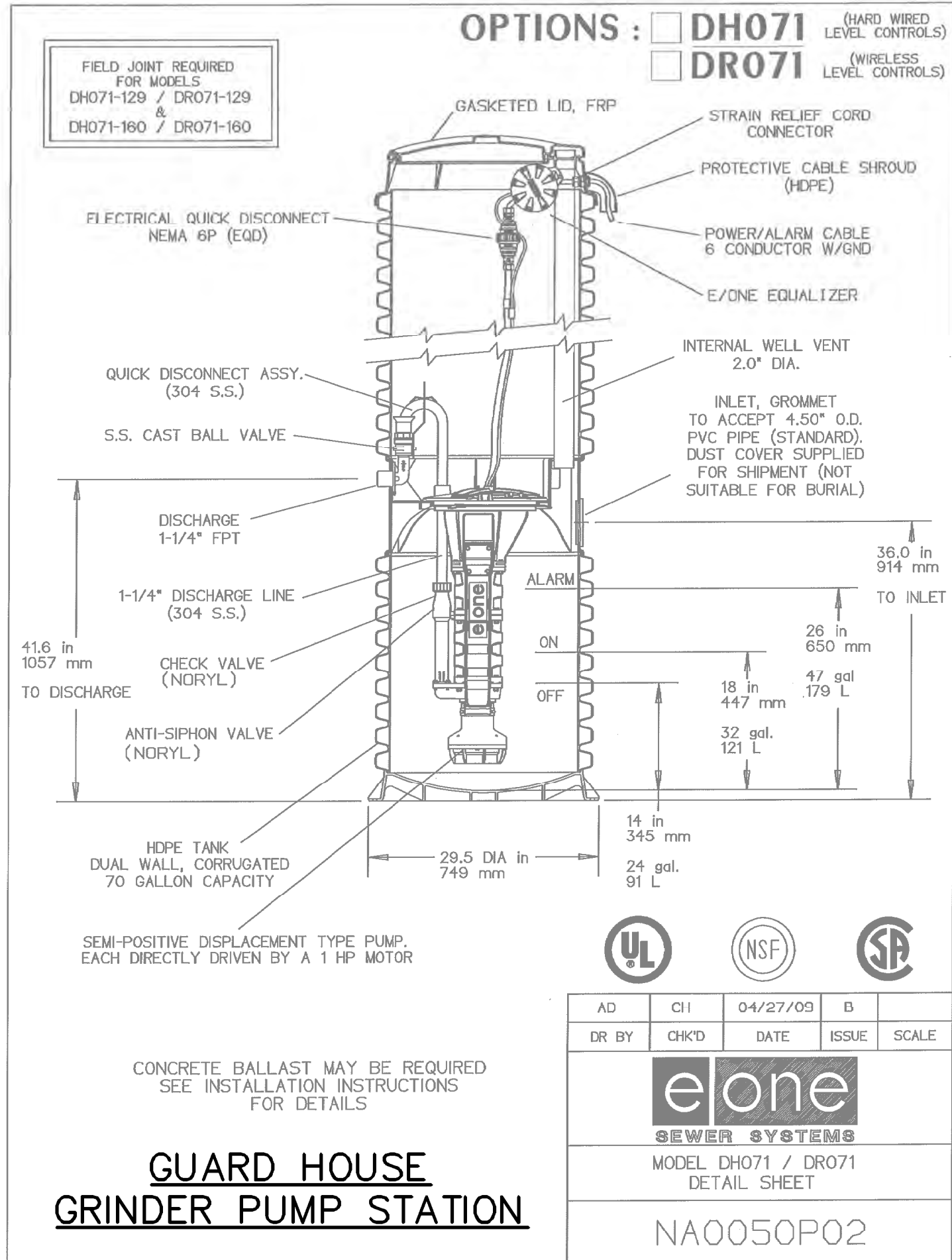
PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
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CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
GRADING & DRAINAGE DETAILS

SHEET NO:
SHEET 50 OF 85



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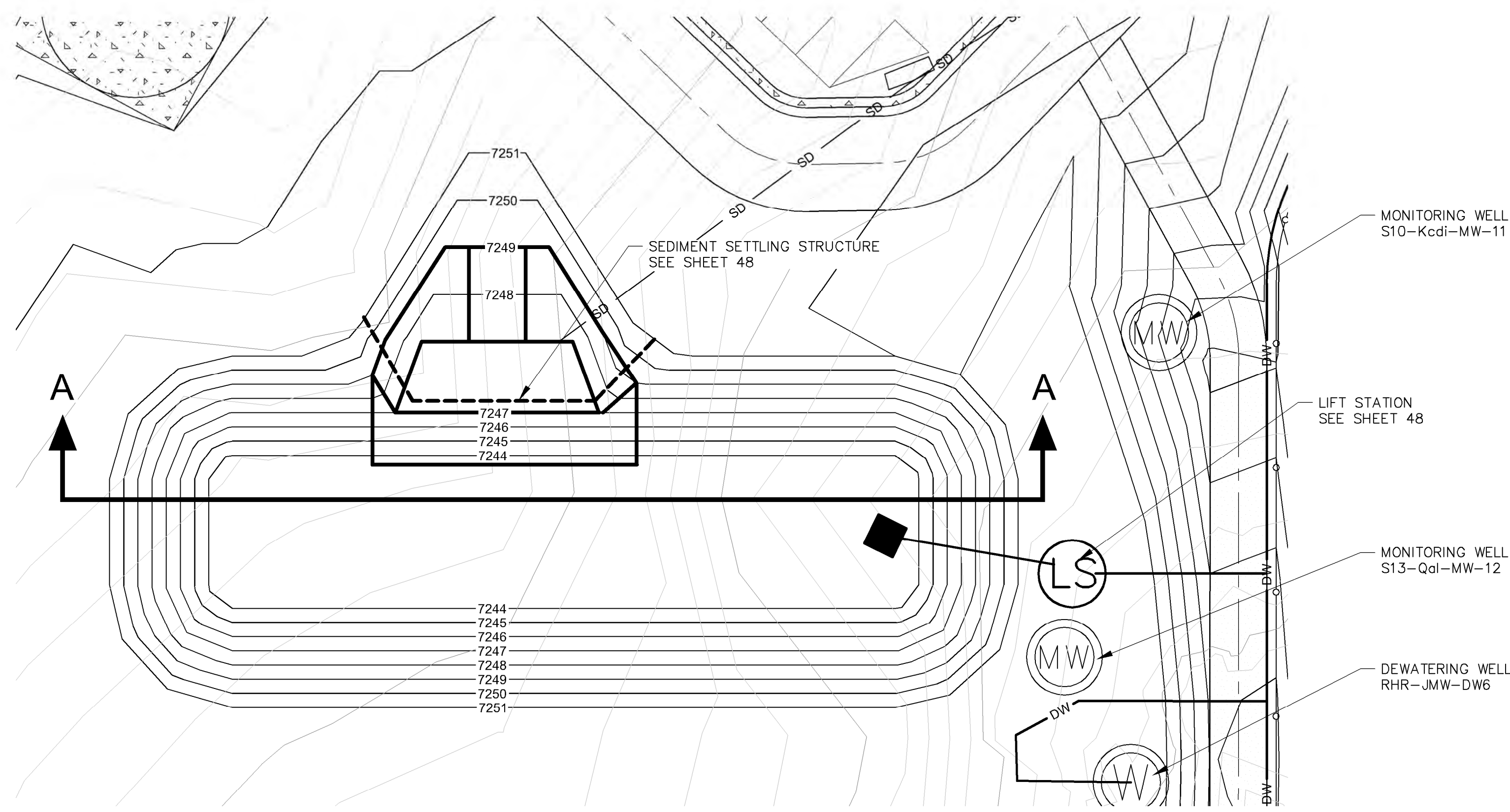
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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

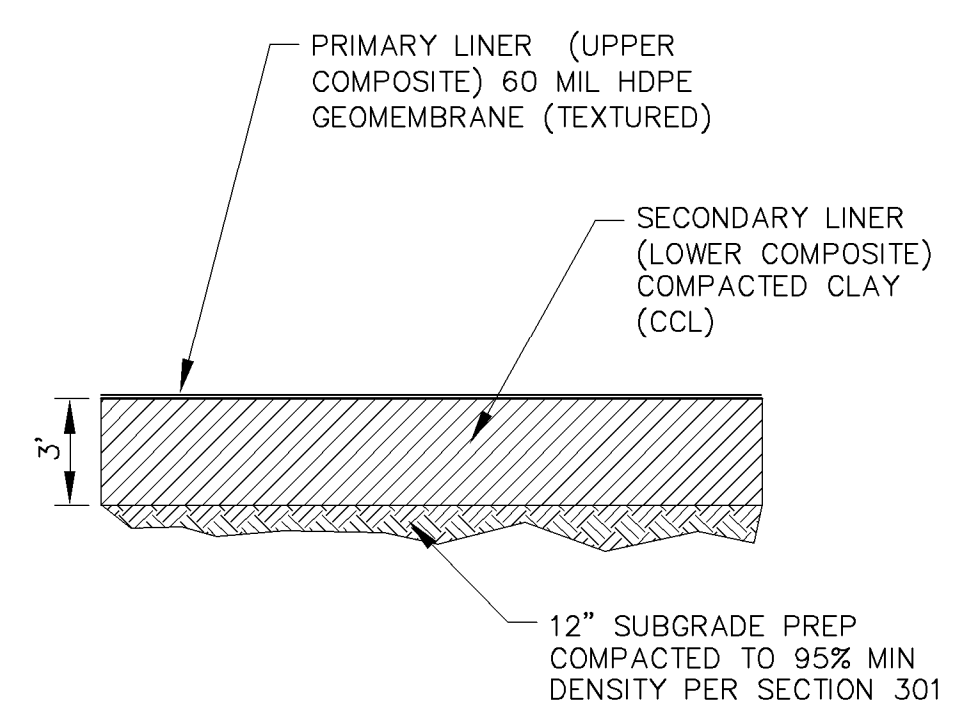
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 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012
 SHEET TITLE
SANITARY WW TREATMENT FACILITY and GRINDER PUMP STATION DETAILS
 SHEET NO:
SHEET 51 OF 85

9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 20 SWR-SUMP DETAILS.DWG

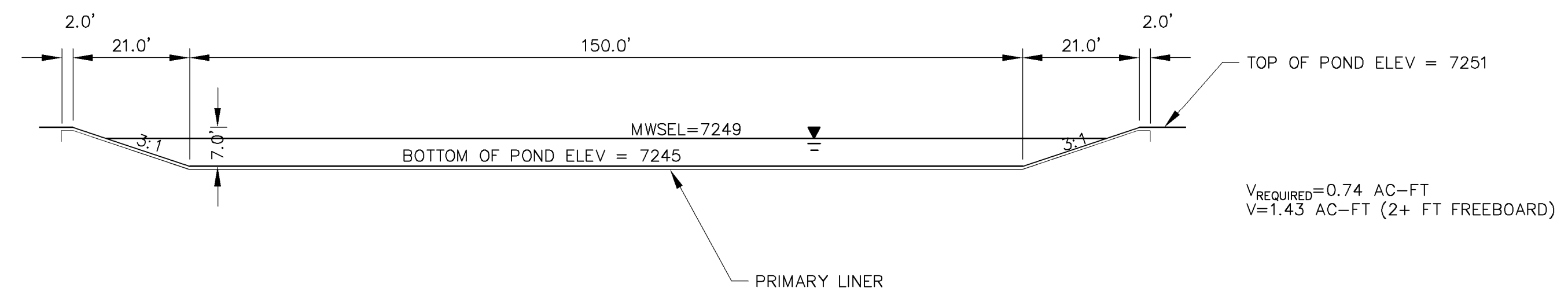
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9/27/11



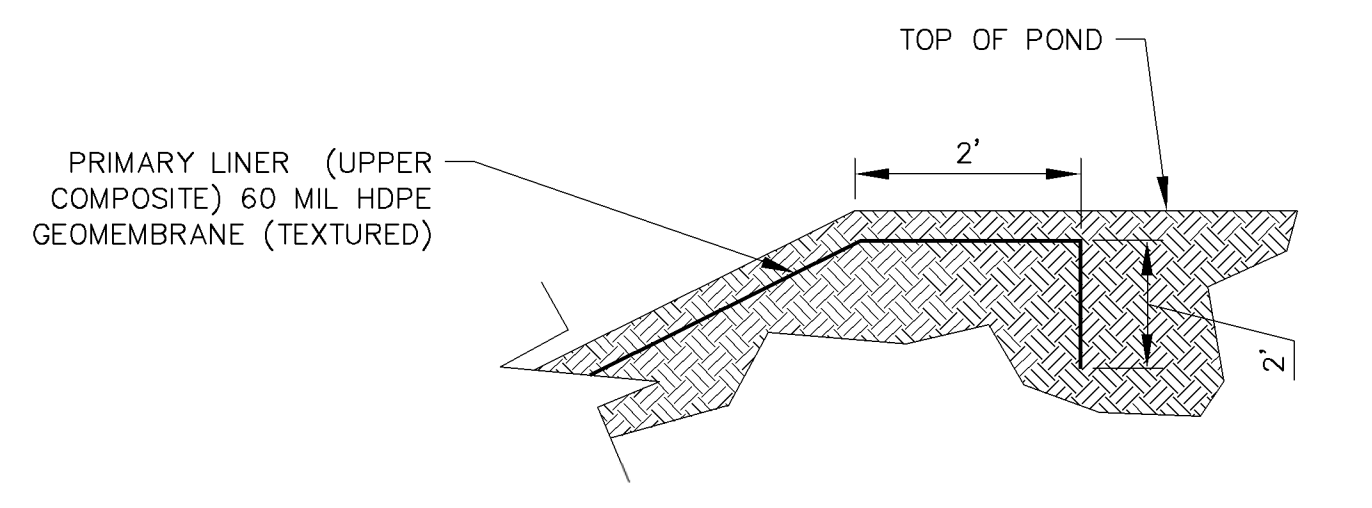
SECTION 16 FACILITIES SOUTH RETENTION POND PLAN



RETENTION POND LINER STANDARD DESIGN



SECTION A-A



TYPICAL LINER ANCHOR SECTION



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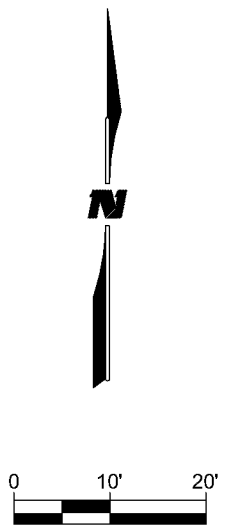
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STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

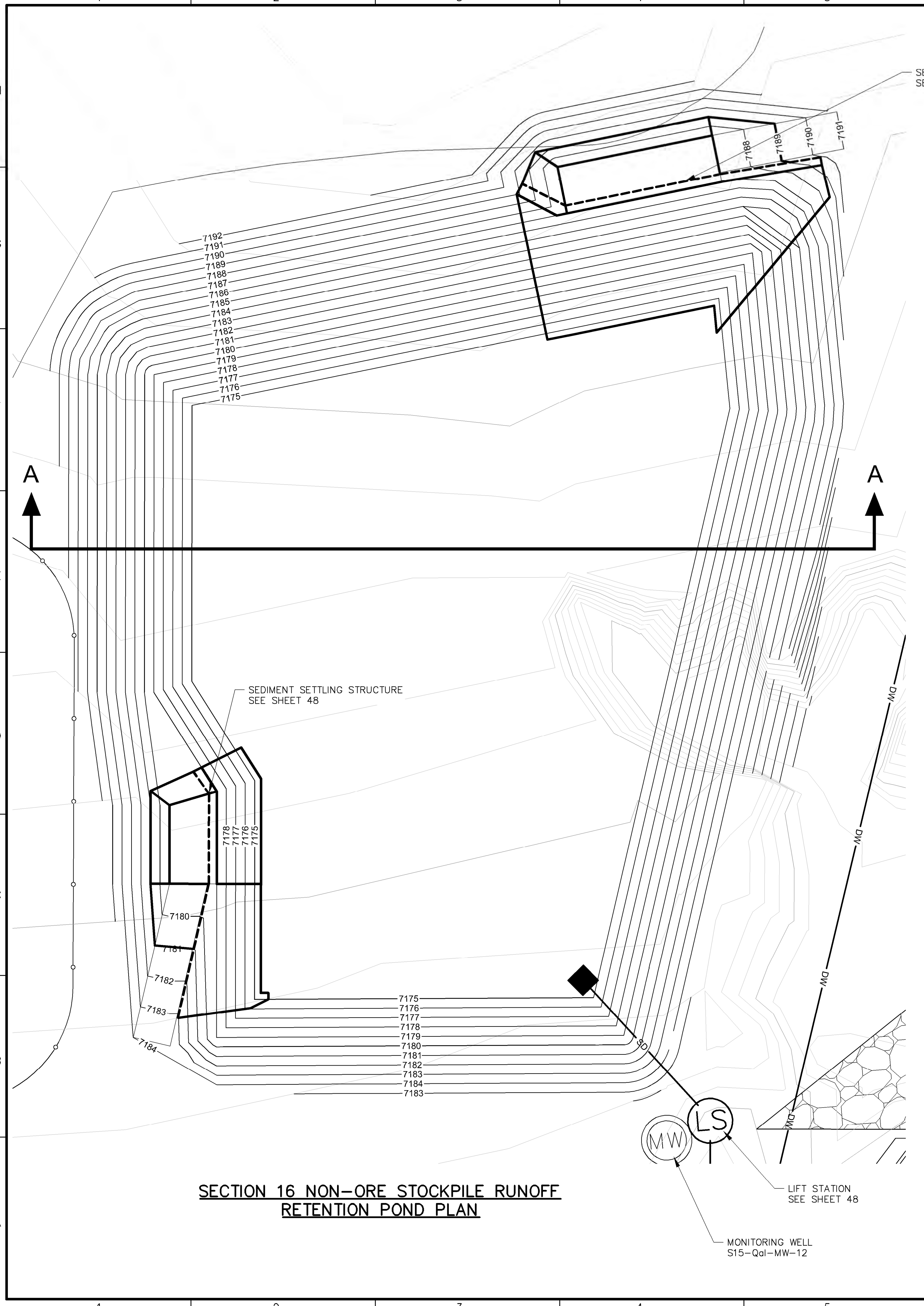
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DRAWN BY:	STAFF
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SHEET TITLE
**SECTION 16 MINE
FACIL. SOUTH
RETENTION
POND DETAILS**

SHEET NO:
SHEET 53 OF 85



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9/27/11

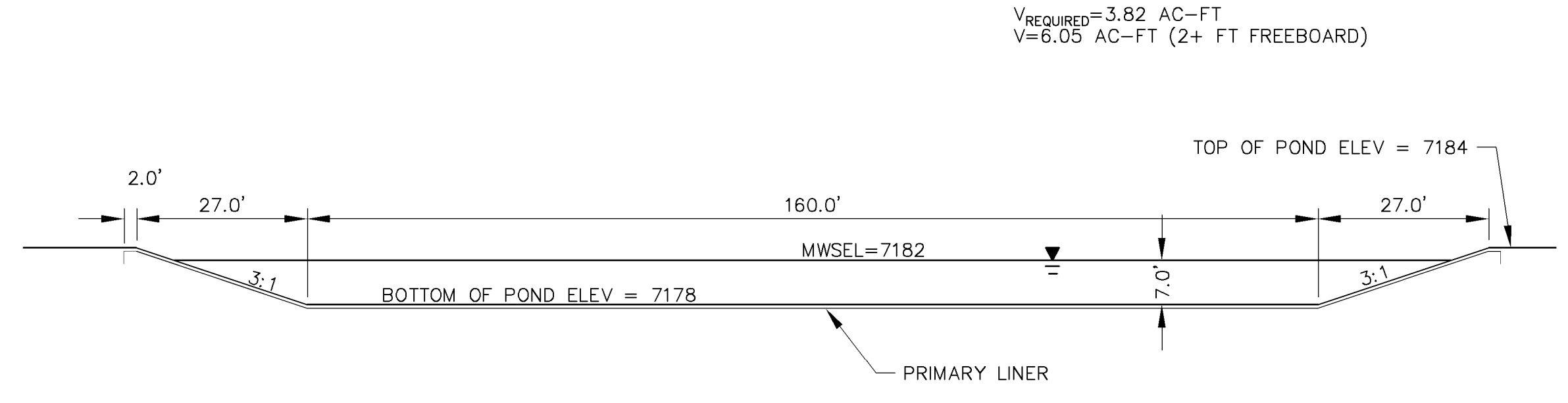
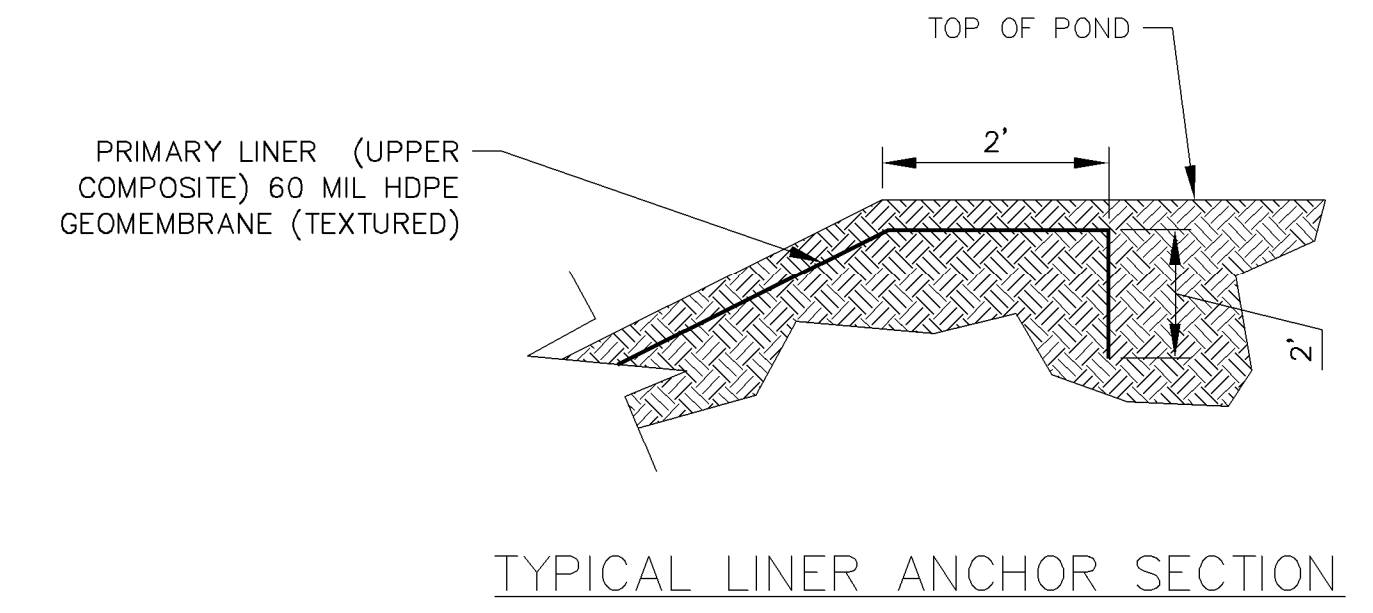
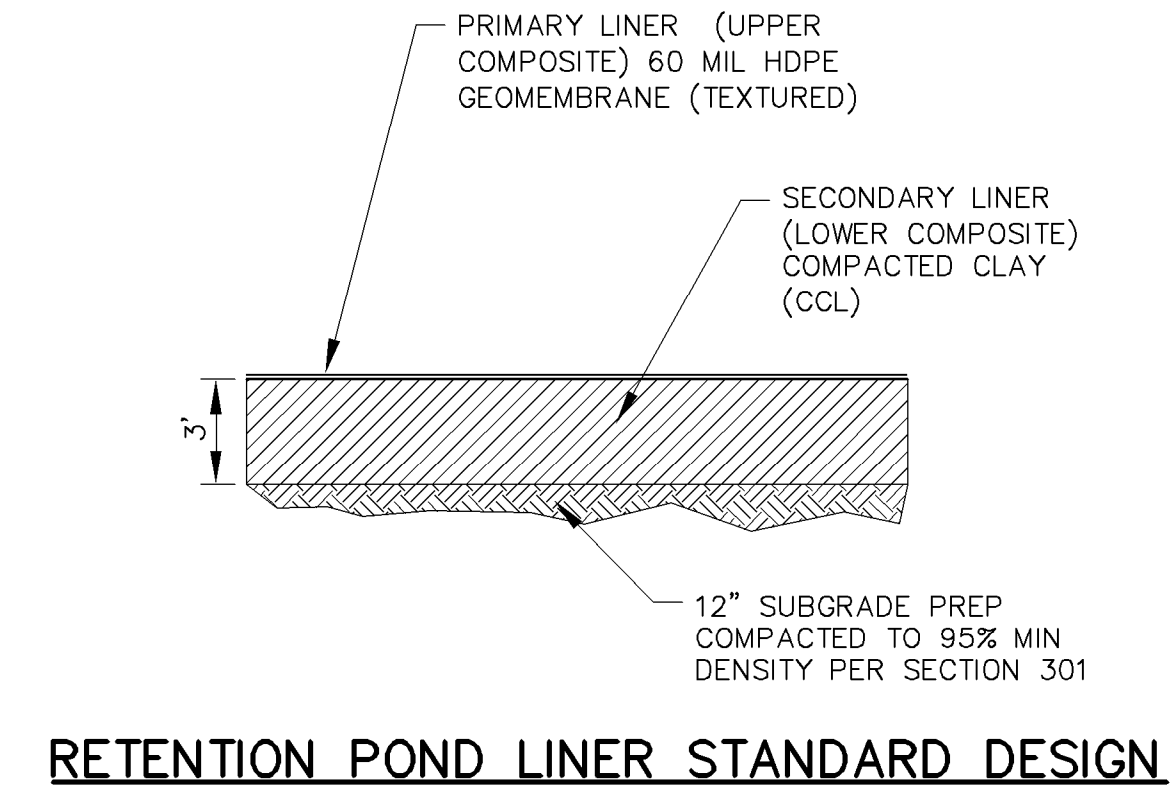


SEDIMENT SETTLING STRUCTURE
SEE SHEET 48

SEDIMENT SETTLING STRUCTURE
SEE SHEET 48

MONITORING WELL
S15-Qal-MW-12

LIFT STATION
SEE SHEET 48



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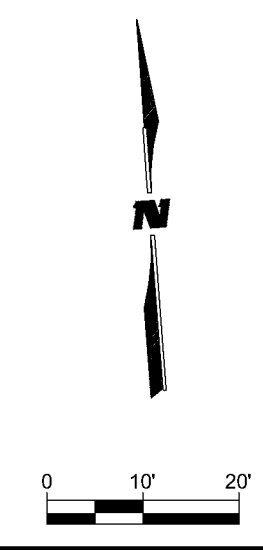
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SECTION 9, 10 & 16
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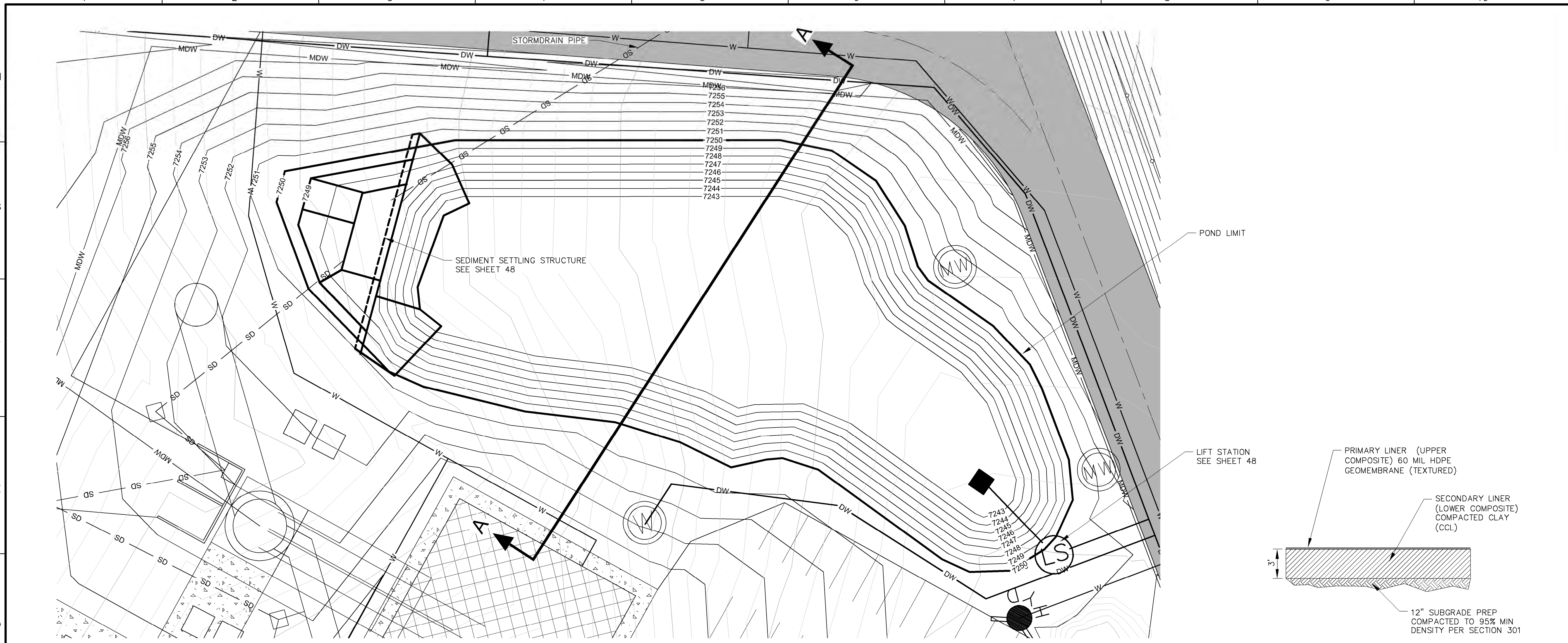
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DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 16 MINE
NON-ORE STOCKPILE
RUNOFF RETENTION
POND DETAILS

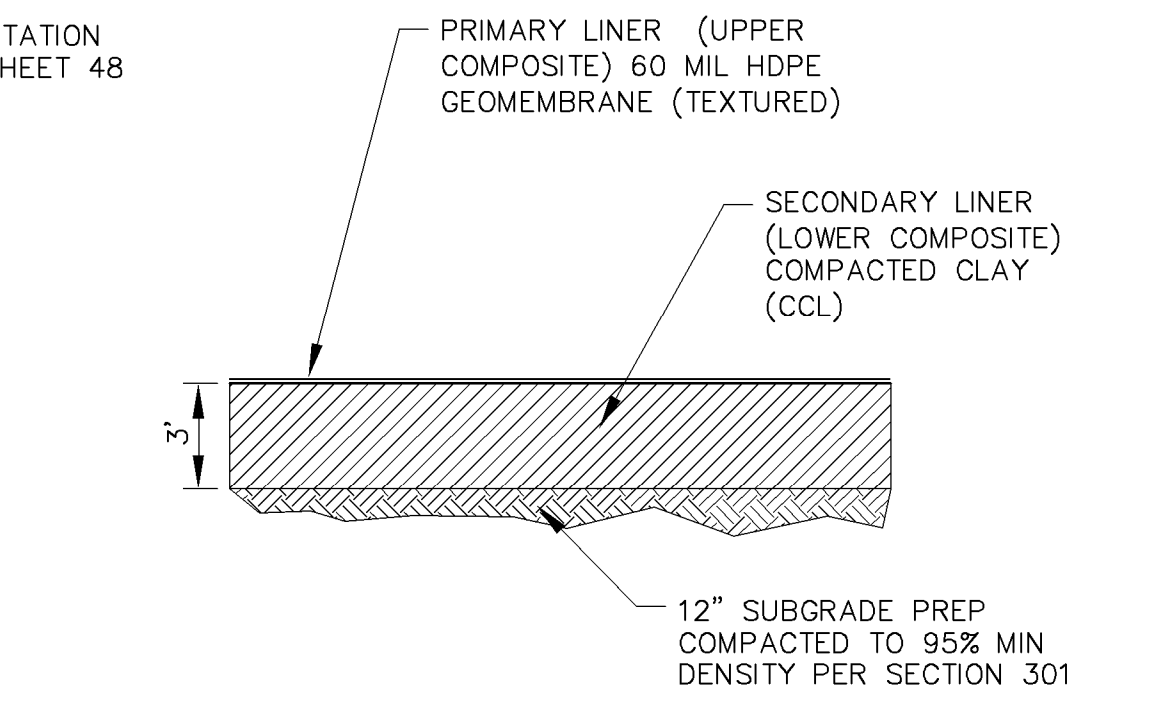
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SHEET 54 OF 85



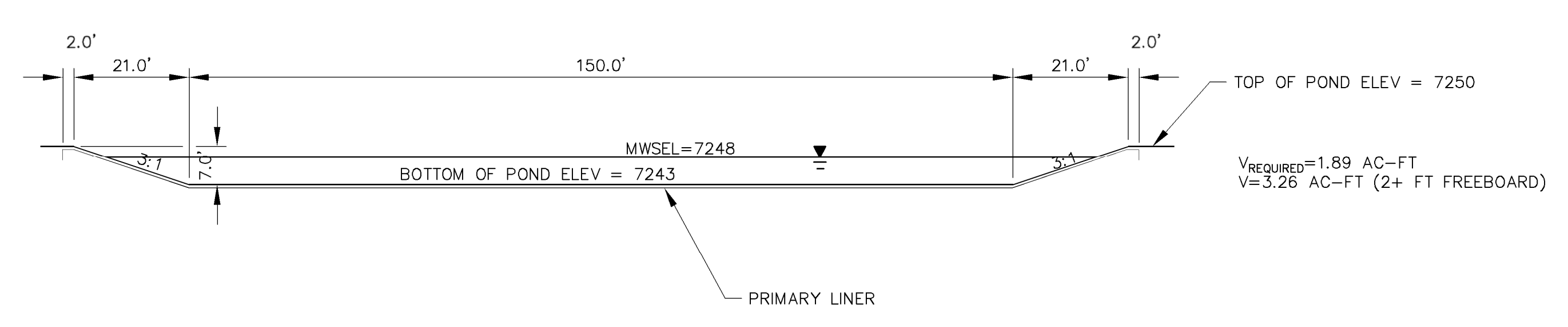
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9/27/11



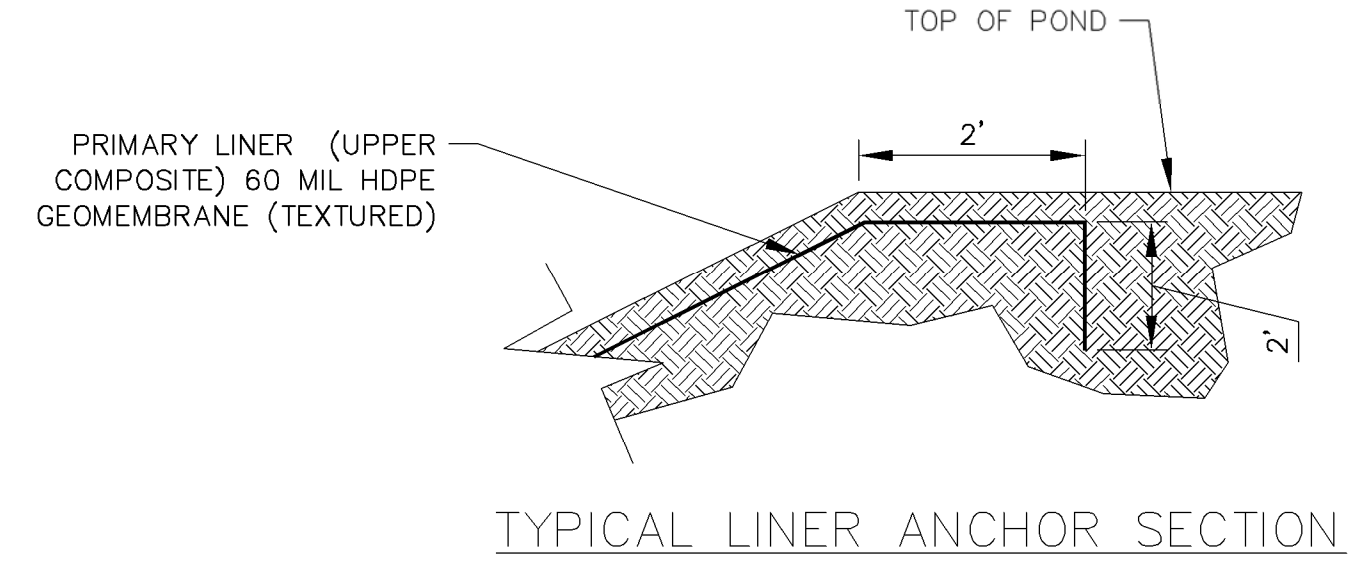
SECTION 16 NORTH RETENTION POND PLAN



RETENTION POND LINER STANDARD DESIGN



SECTION A-A



TYPICAL LINER ANCHOR SECTION



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CONSTRUCTION

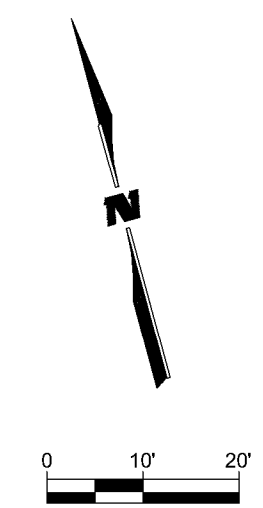
PROJECT NAME
**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

REV.	DATE	DESCRIPTION	BY

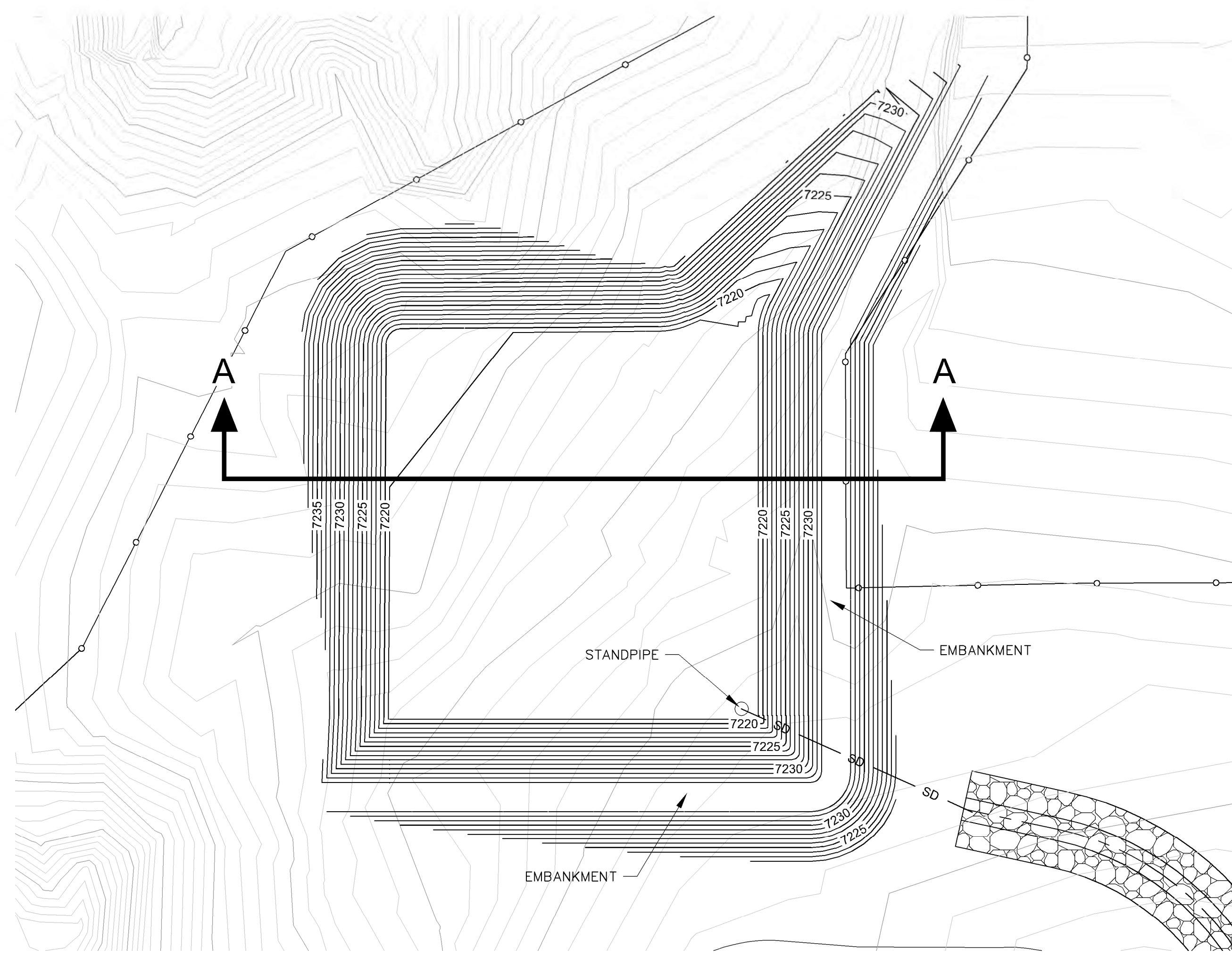
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DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16 MINE
NORTH RETENTION
POND DETAILS**

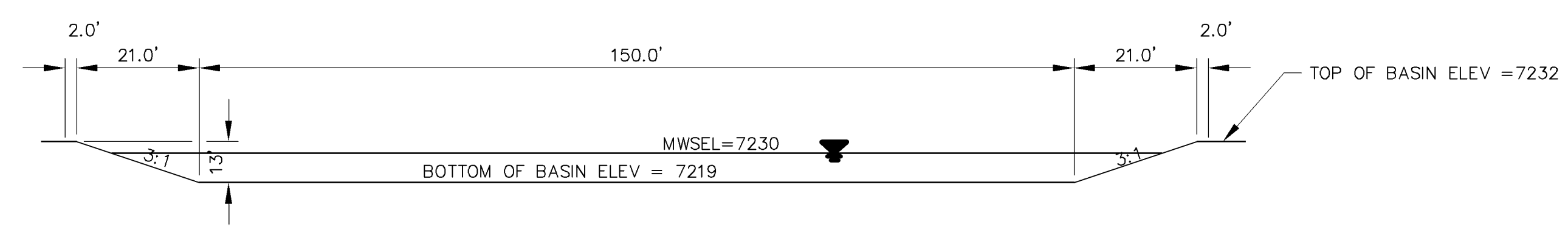
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SHEET 55 OF 85



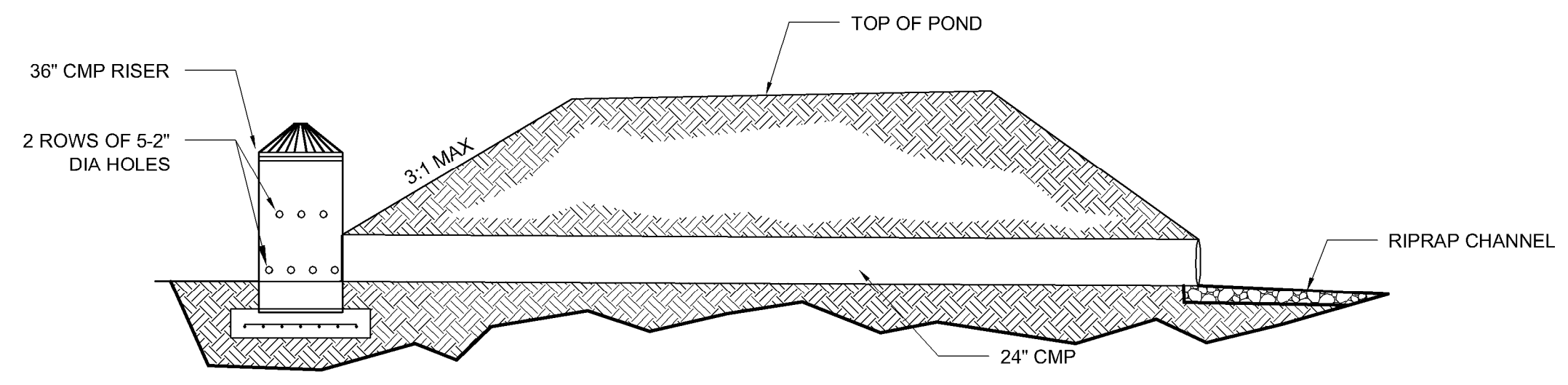
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9/27/11



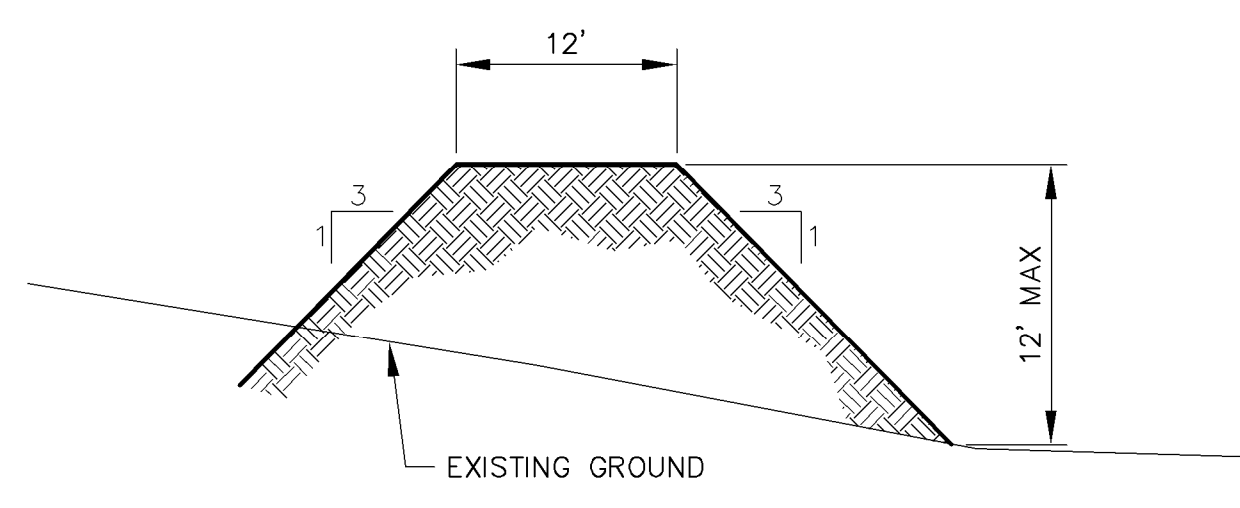
SECTION 16 FACILITIES DETENTION BASIN PLAN



SECTION A-A



TYPICAL STANDPIPE DETAIL
NTS



TYPICAL EMBANKMENT SECTION
SCALE: NTS



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NOT FOR
CONSTRUCTION

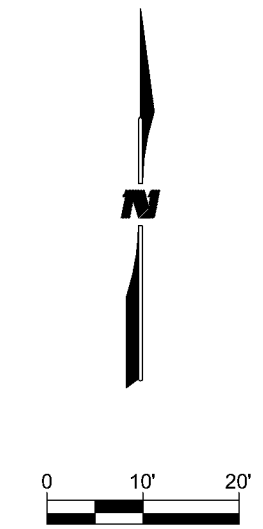
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**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

REV.	DATE	DESCRIPTION	BY

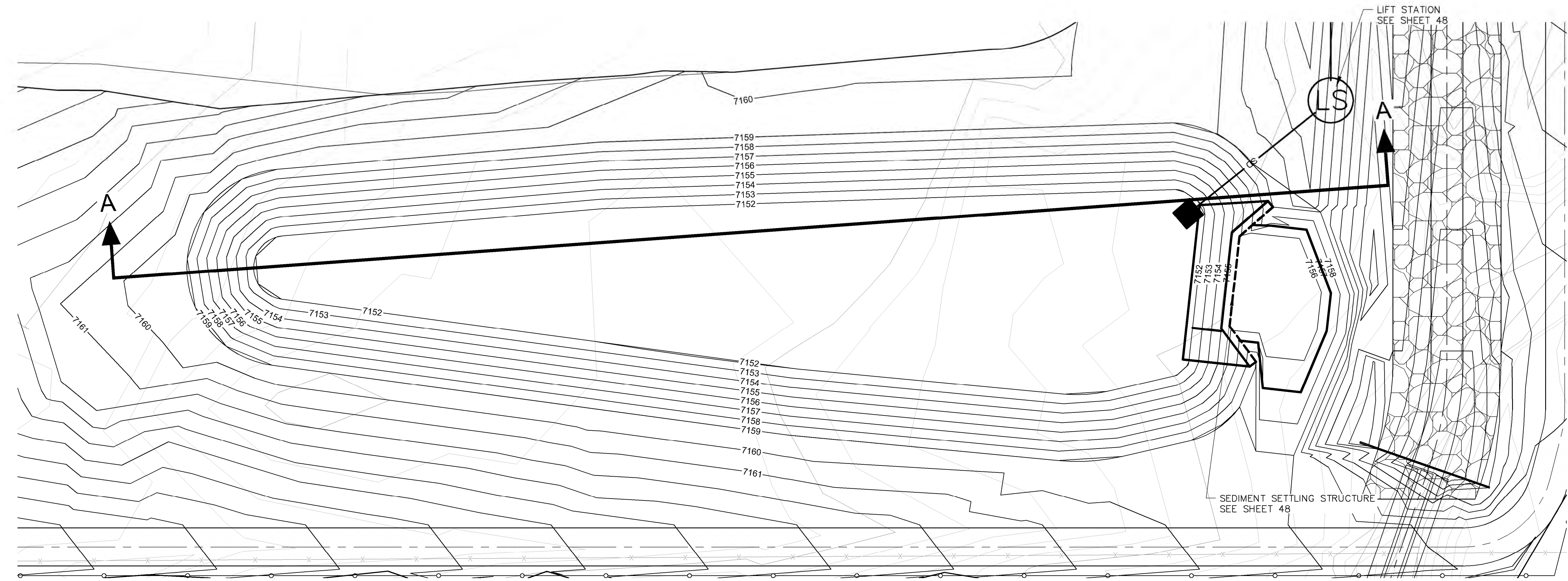
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 16 MINE
DETENTION
BASIN DETAILS**

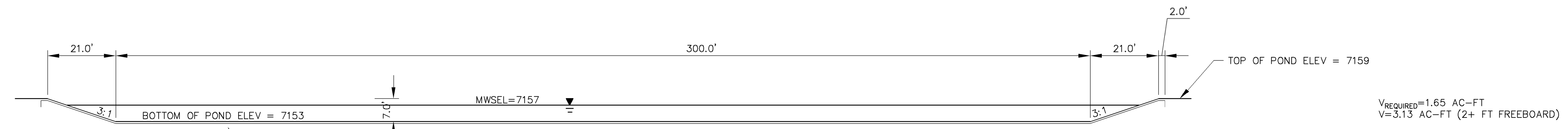
SHEET NO:
SHEET 56 OF 85



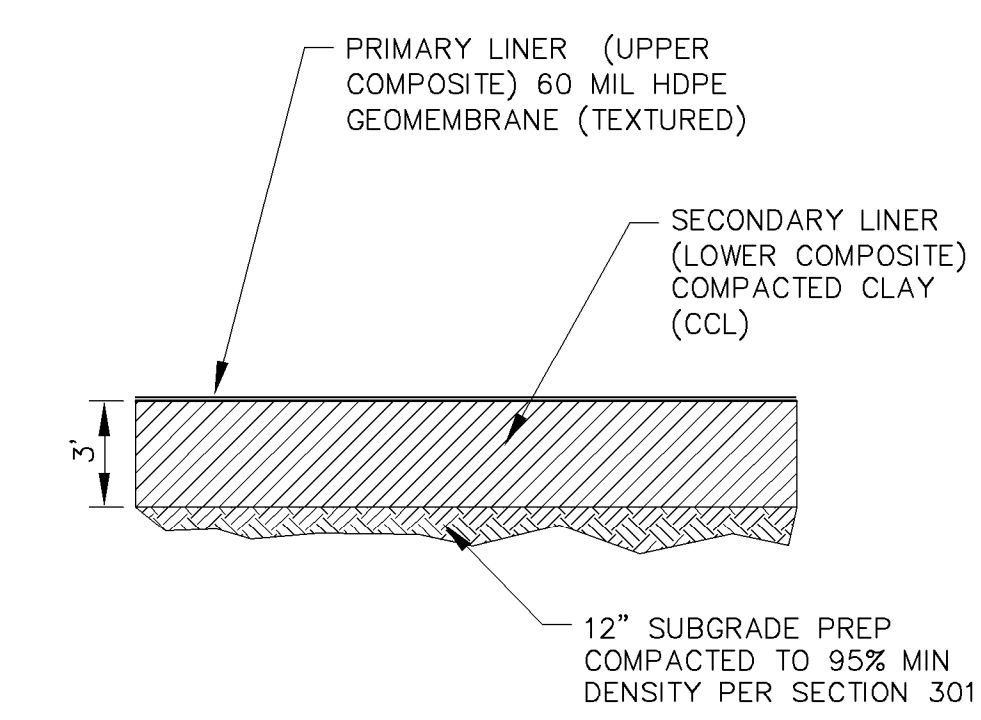
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12/20/11



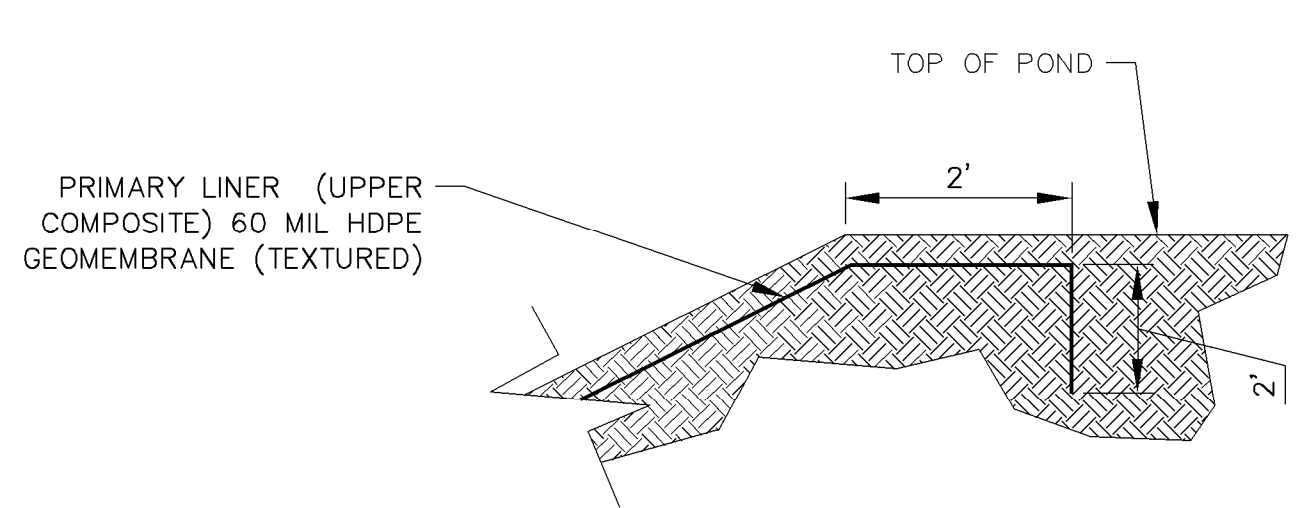
SECTION 10 SOUTH RETENTION POND PLAN



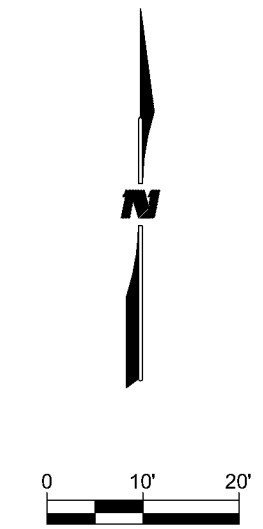
SECTION A-A



RETENTION POND LINER STANDARD DESIGN



TYPICAL LINER ANCHOR SECTION



Roca Honda Resources LLC
4001 Office Court Drive Suite 102
Santa Fe, NM 87507



4900 Lang Avenue Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

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CONSTRUCTION

STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

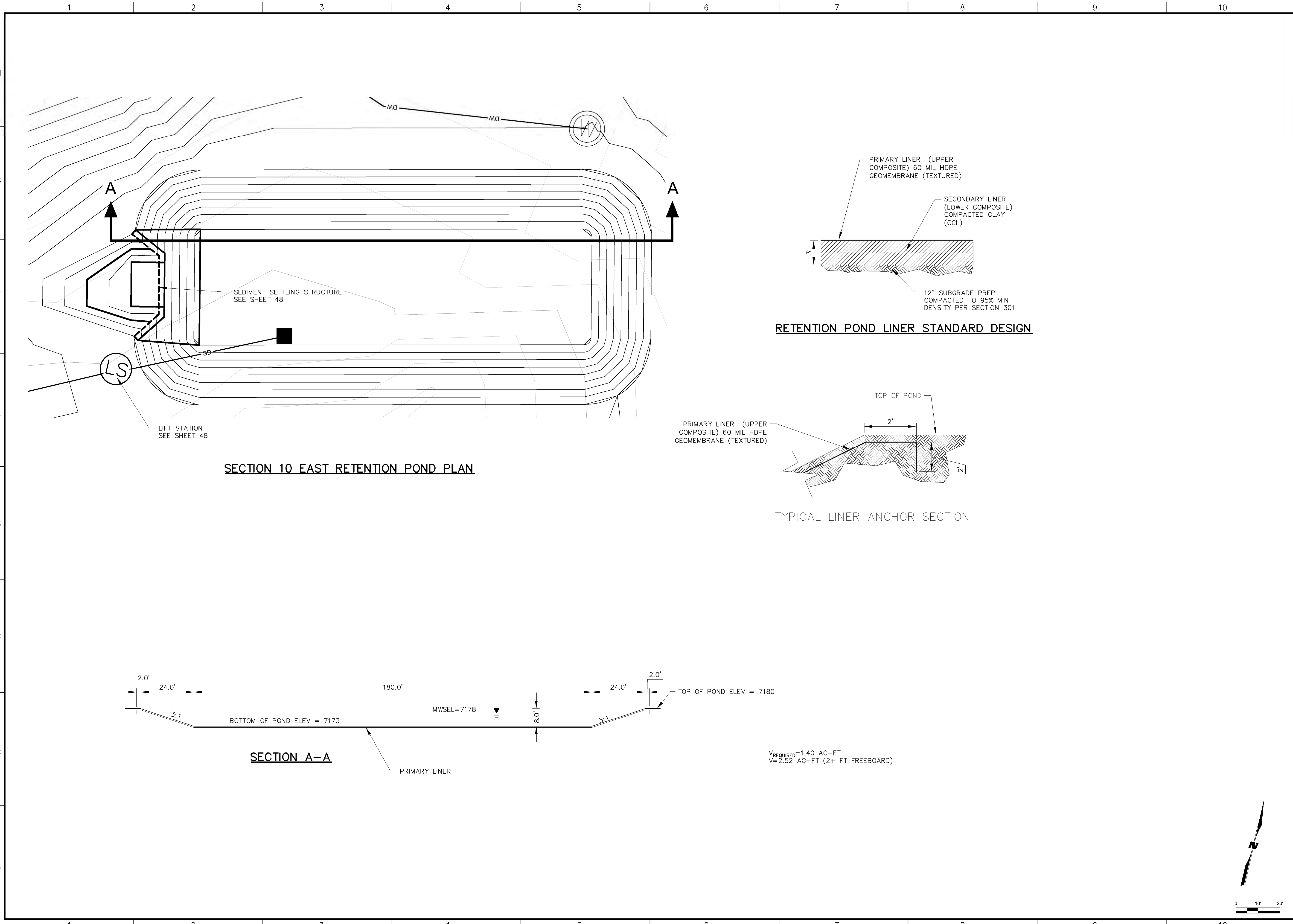
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD

DATE: JANUARY, 2012
SHEET TITLE
**SECTION 10 MINE
SOUTH RETENTION
POND DETAILS**

SHEET NO:
SHEET 57 OF 85

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12/20/11



SECTION 10 EAST RETENTION POND PLAN

RETENTION POND LINER STANDARD DESIGN

TYPICAL LINER ANCHOR SECTION

SECTION A-A



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Santa Fe, NM 87507



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Albuquerque, NM 87109
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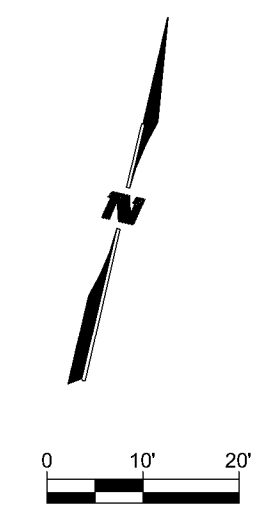
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**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

REV.	DATE	DESCRIPTION	BY

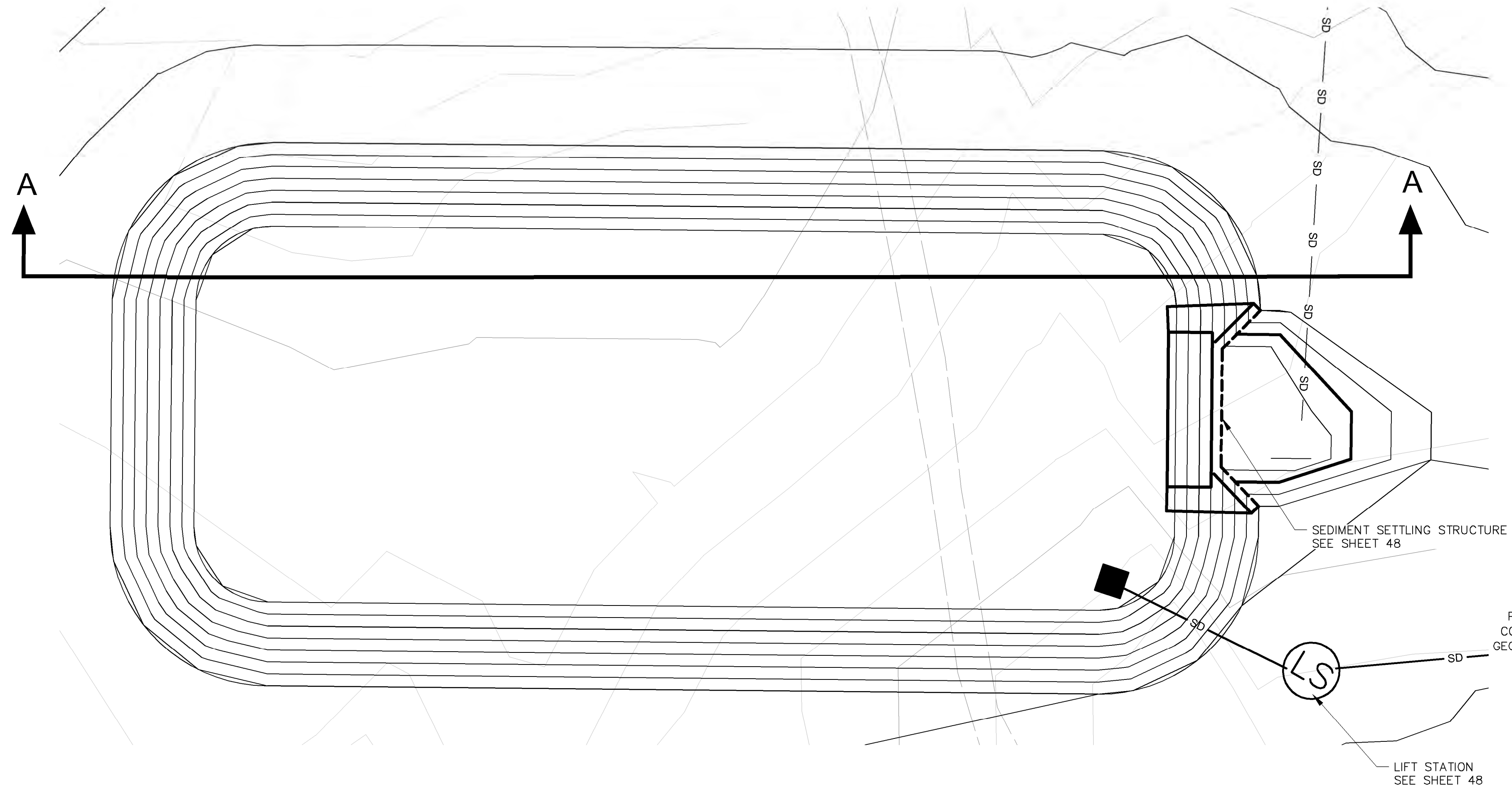
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DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

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EAST RETENTION
POND DETAILS**

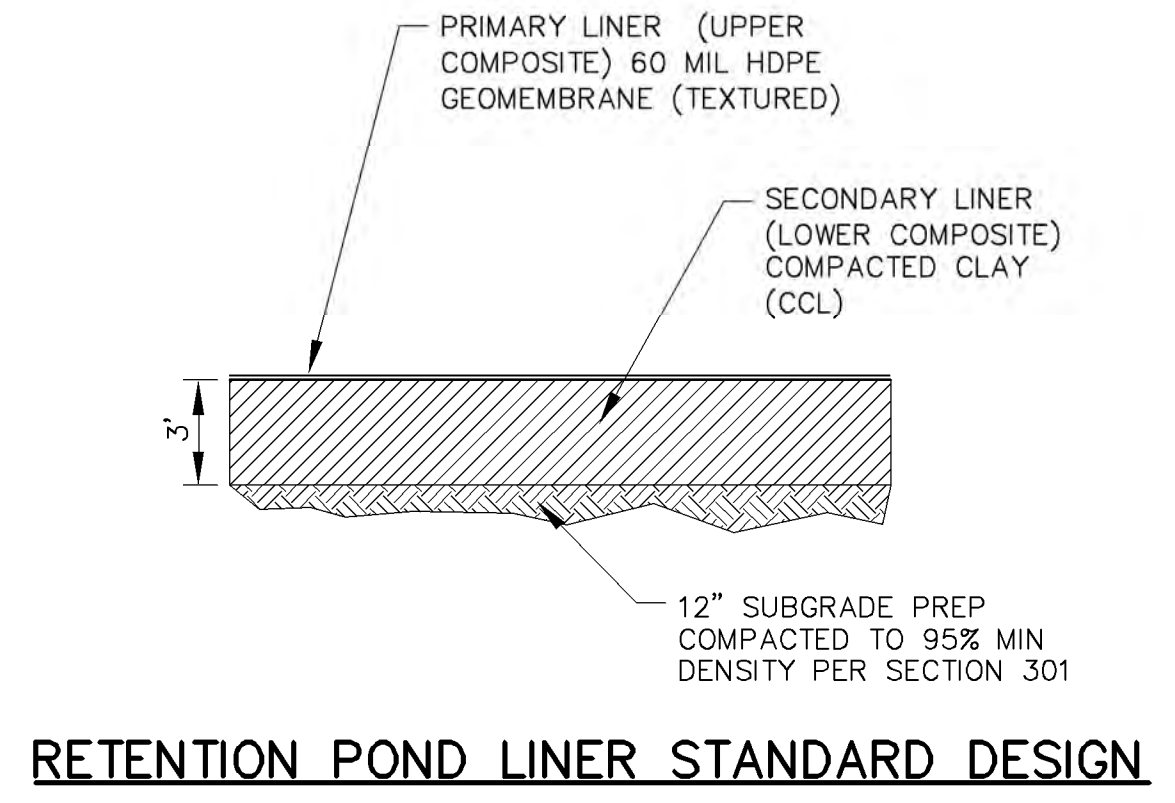
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SHEET 58 OF 85



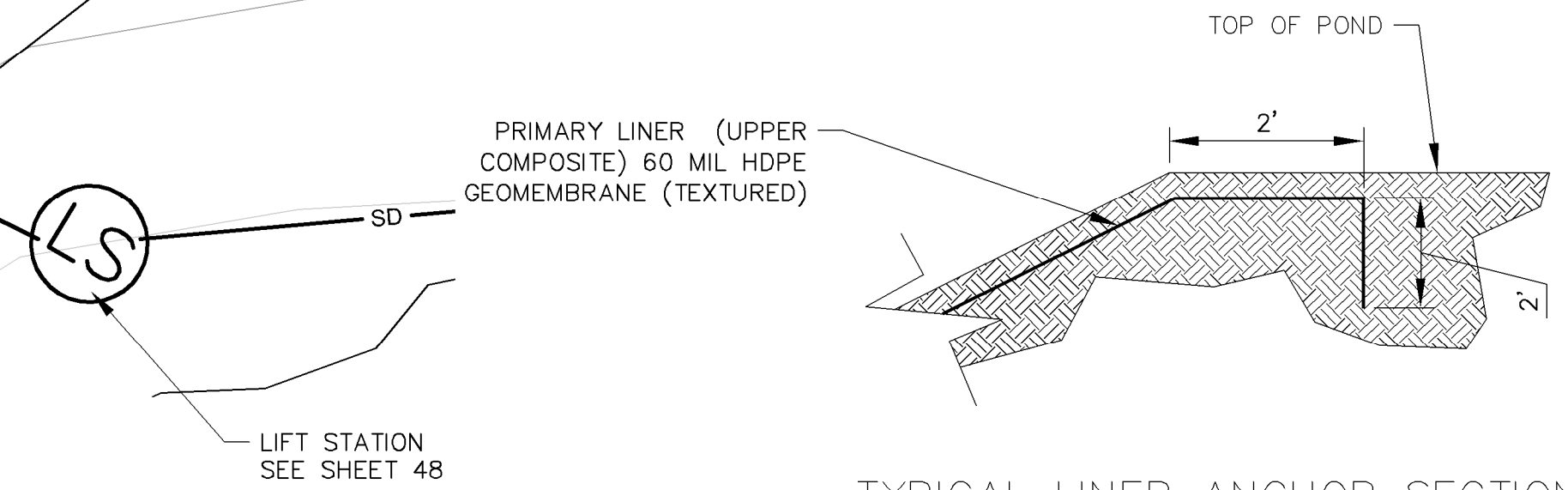
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12/20/11



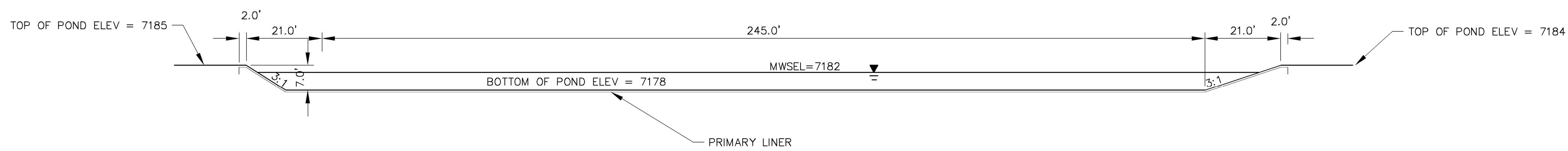
SECTION 10 WEST RETENTION POND PLAN



RETENTION POND LINER STANDARD DESIGN

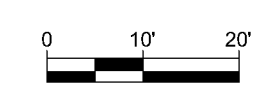
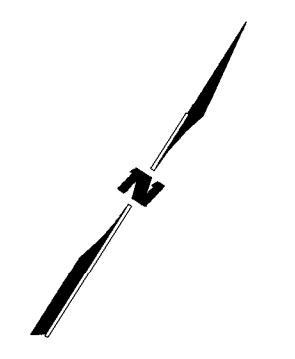


TYPICAL LINER ANCHOR SECTION



SECTION A-A

V_{REQUIRED} = 2.40 AC-FT
V = 4.05 AC-FT (2+ FT FREEBOARD)



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CONSTRUCTION

PROJECT NAME
**STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT**

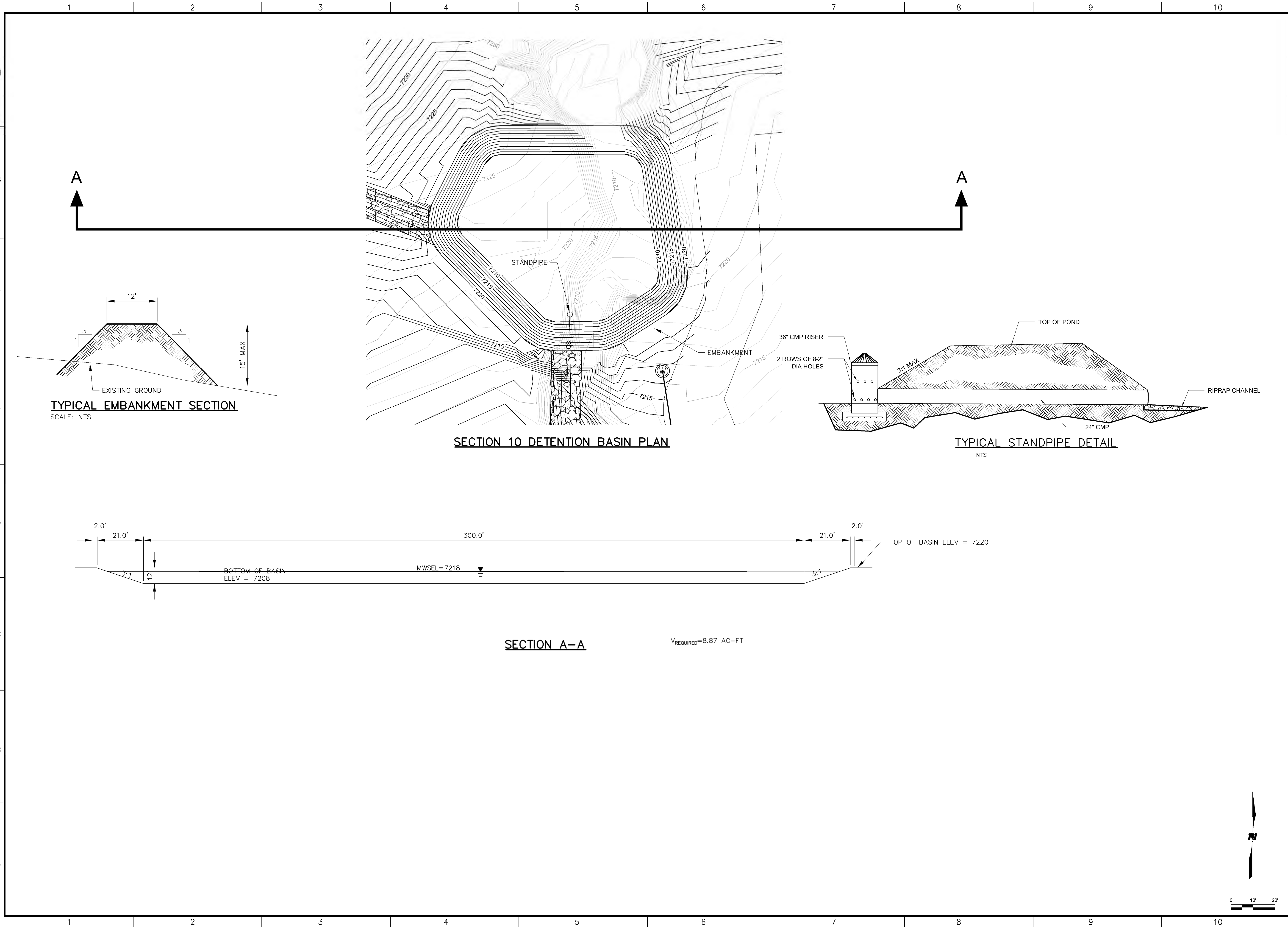
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**SECTION 10 MINE
WEST RETENTION
POND DETAILS**

SHEET NO:
SHEET 59 OF 85

M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 10\1160019 22A DET BASIN DTL.DWG
1/6/12



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Albuquerque, NM 87109
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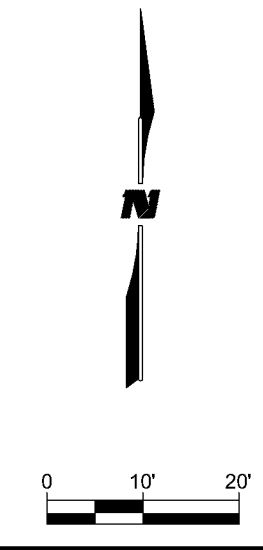
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

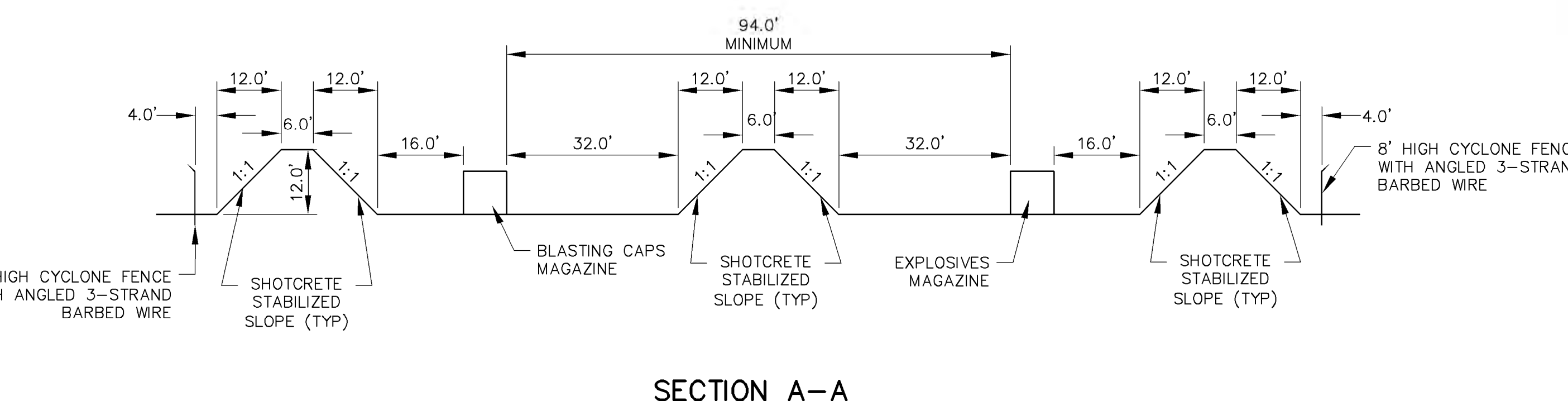
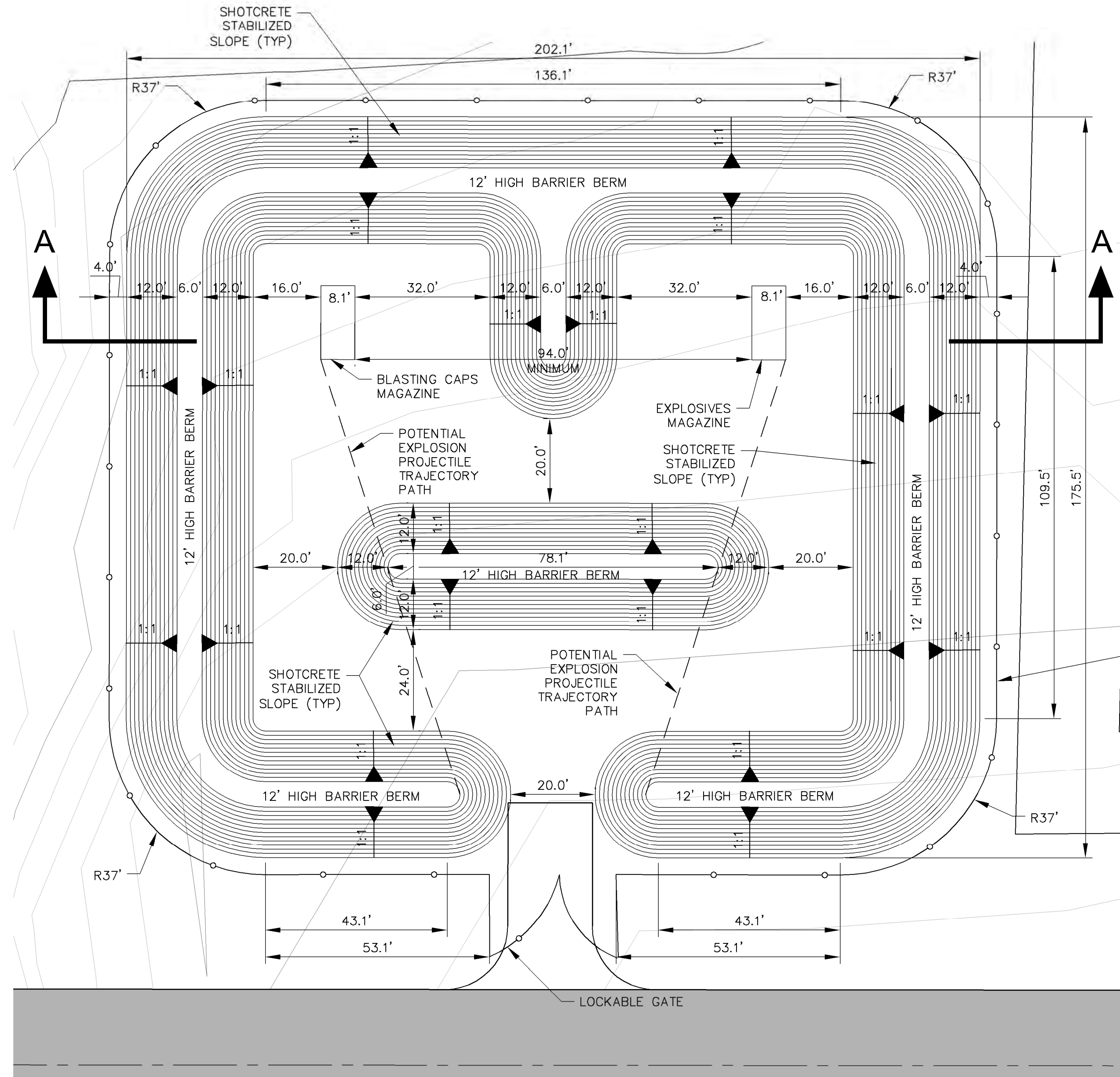
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DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
SECTION 10 MINE
DETENTION
BASIN DETAILS

SHEET NO:
SHEET 60 OF 85



9/27/11 M:\NFS\11-600-019-00\CADD\SHEETS\SECTION 16\1160019 23 HE-MAG DTLS.DWG

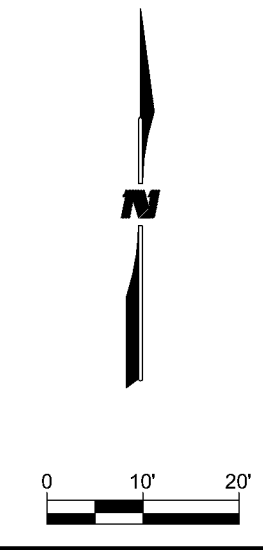


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CONSTRUCTION

PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

REV.	DATE	DESCRIPTION	BY

PROJECT NO:	1160001900
DESIGNED BY:	DMD
DRAWN BY:	STAFF
CHECKED BY:	DMD
DATE:	JANUARY, 2012
SHEET TITLE	SECTIONS 16 AND 10 HE STORAGE MAGAZINE DETAILS
SHEET NO:	SHEET 61 OF 85





WILSON & COMPANY
 4900 Lang Avenue Ne
 Albuquerque, NM 87109
 Phone: (505) 348-4000

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PROJECT NAME
 STRATHMORE MINERALS
 ROCA HONDA MINES
 SECTION 9, 10 & 16
 SITE DEVELOPMENT

NO.	DATE	REV. BY	DESCRIPTION

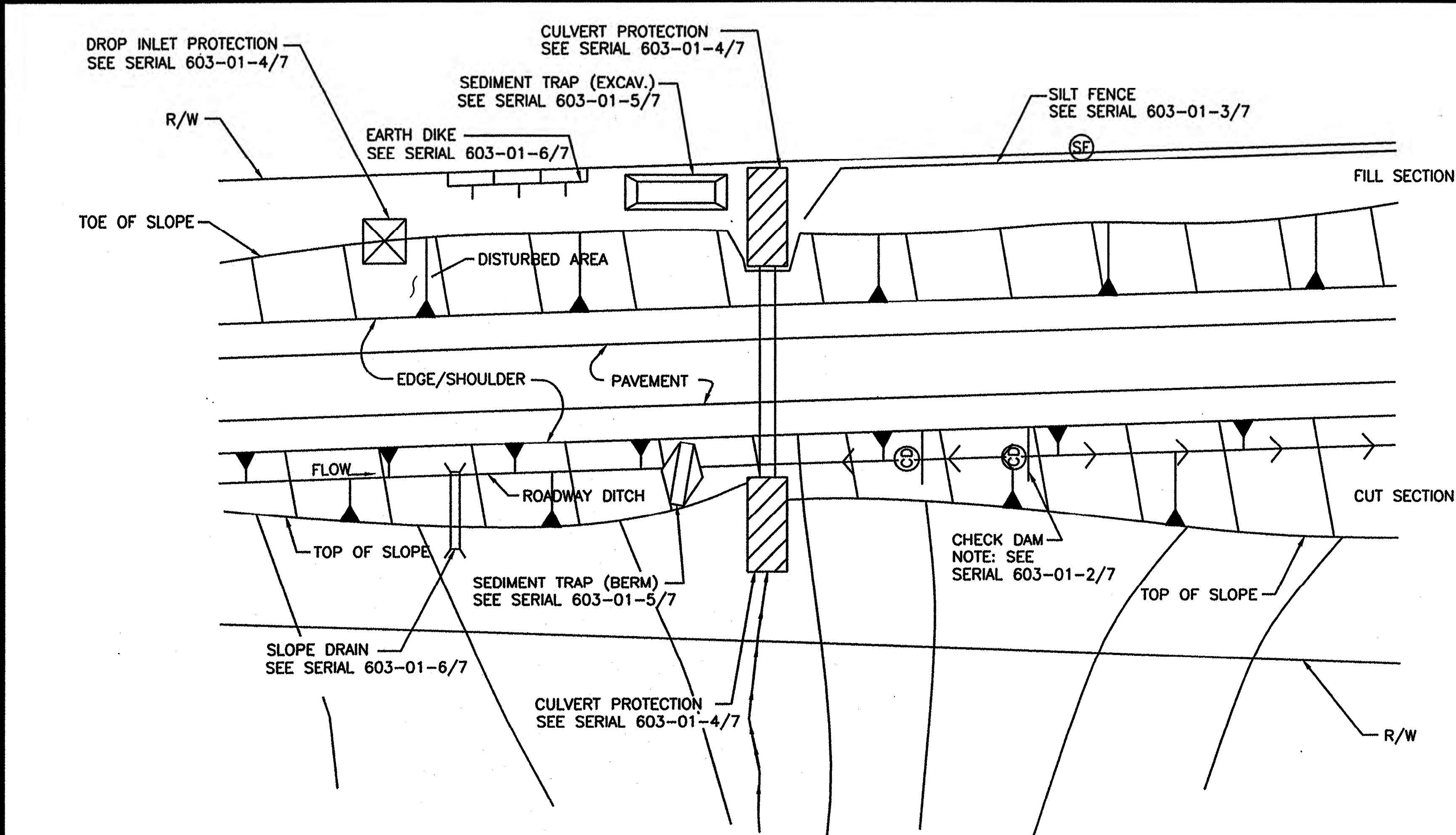
PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012
 SHEET TITLE
 TYPICAL
 EROSION CONTROL
 MEASURES

SHEET NO:
 SHEET 62 OF 85

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

GENERAL NOTES

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLATING USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
4. SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
6. CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH WORK ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
7. THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.
8. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.



TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES

STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

SILT FENCE		PIPE SLOPE DRAIN		SEDIMENT TRAP, BERM	
STRAW BALE		DROP INLET PROTECTION		SEDIMENT TRAP, EXCAVATED	
EARTH DIKE		CULVERT PROTECTION		SEDIMENT BASIN	
DIVERSION CHANNEL (SWALE)		CHECK DAM		TRIANGULAR SEDIMENT FILTER DIKE	

NO. DATE REV. BY DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

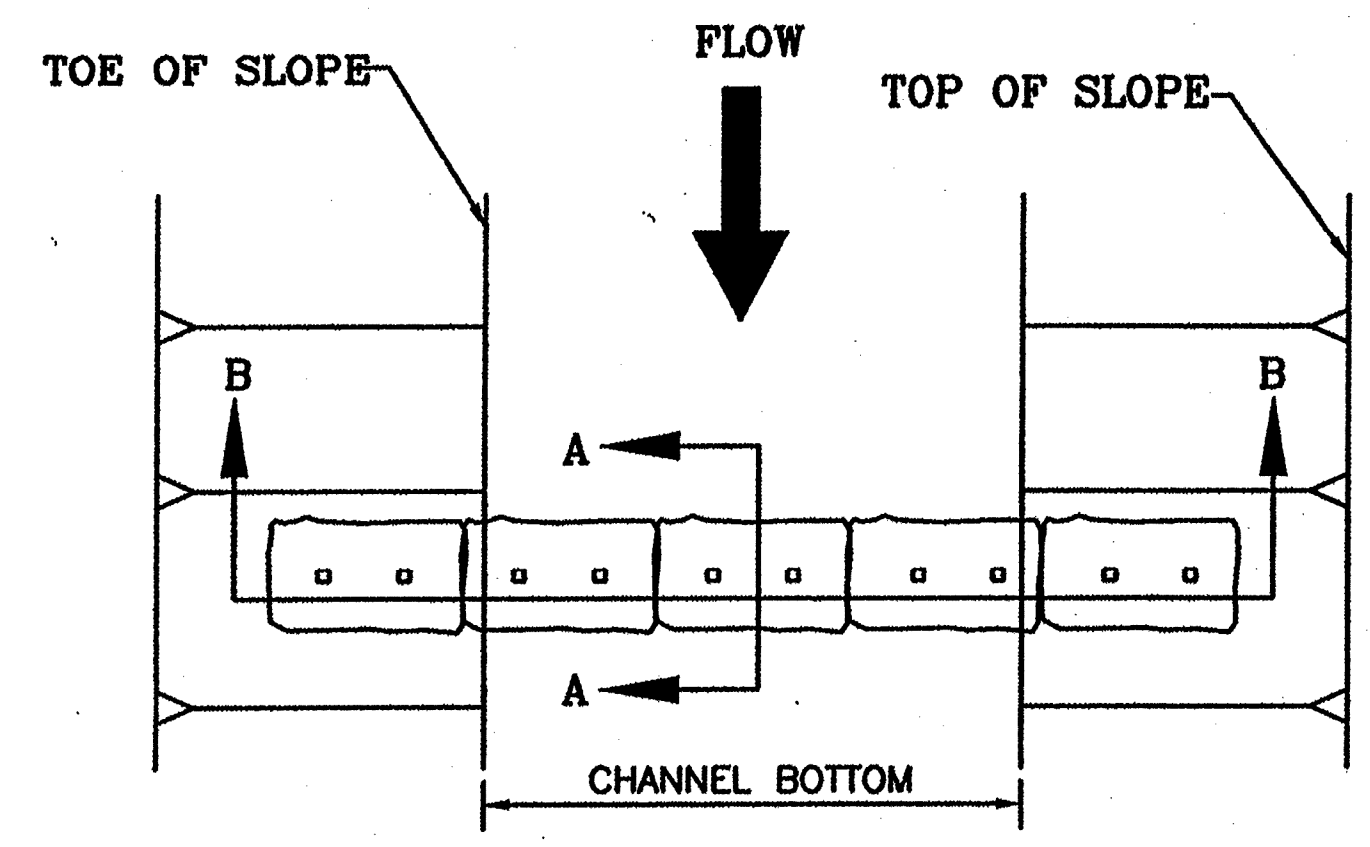
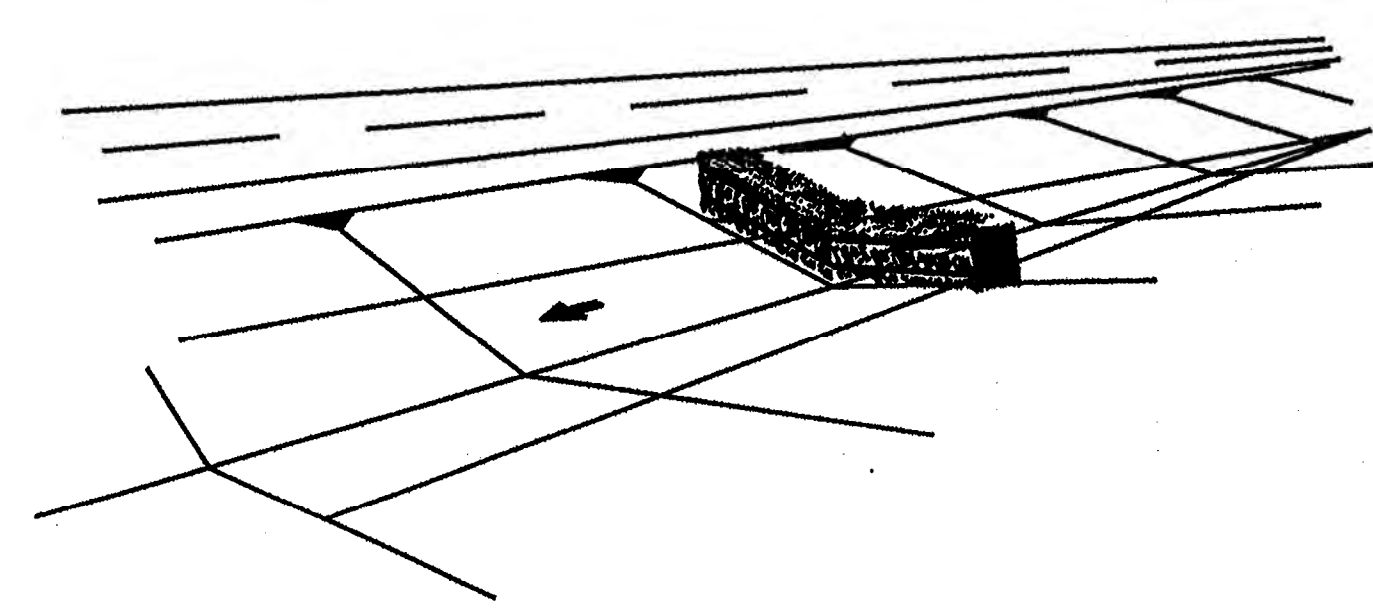
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES

APPROVED *Raymundo Vantover* 1/19/12
 DESIGN ENGINEER DATE

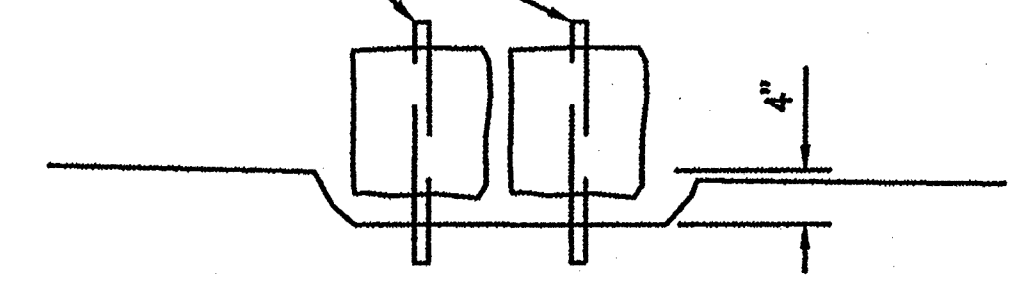
DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

603-01-1/7 SERIAL 1 OF 7

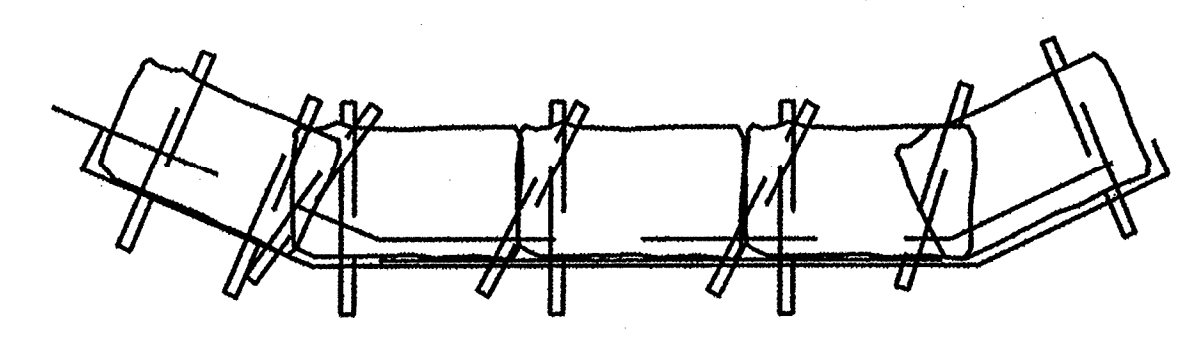


PLAN

2" x 2" STAKES 6" TO 12" IN GROUND. DRIVE STAKES FLUSH WITH TOP OF BALE.

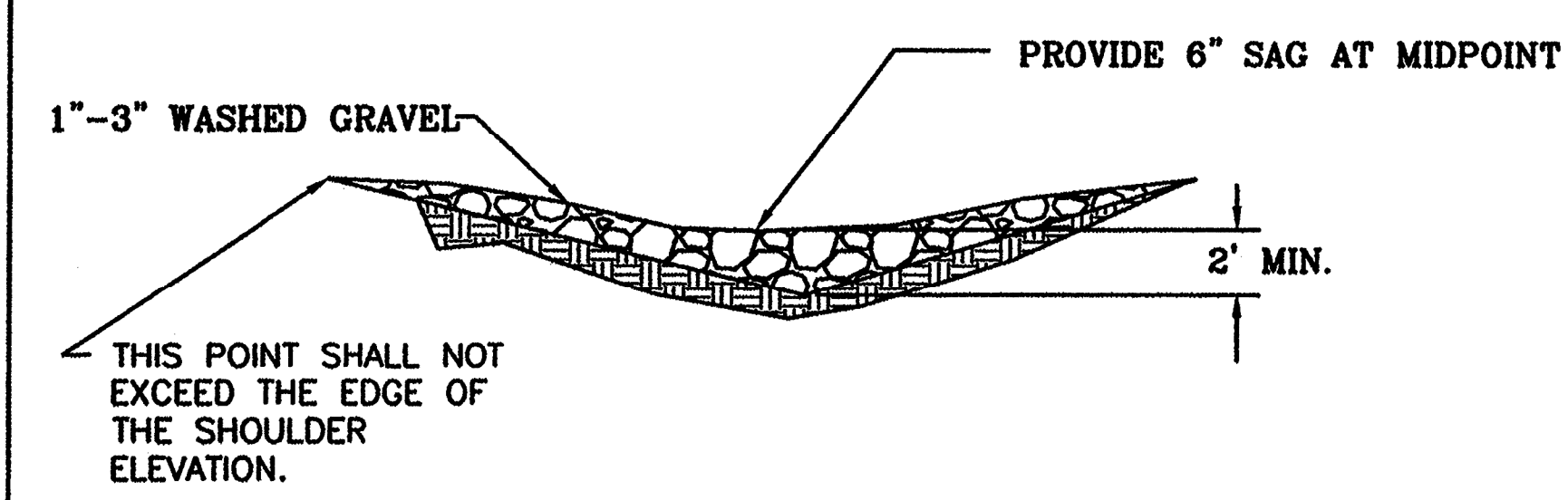
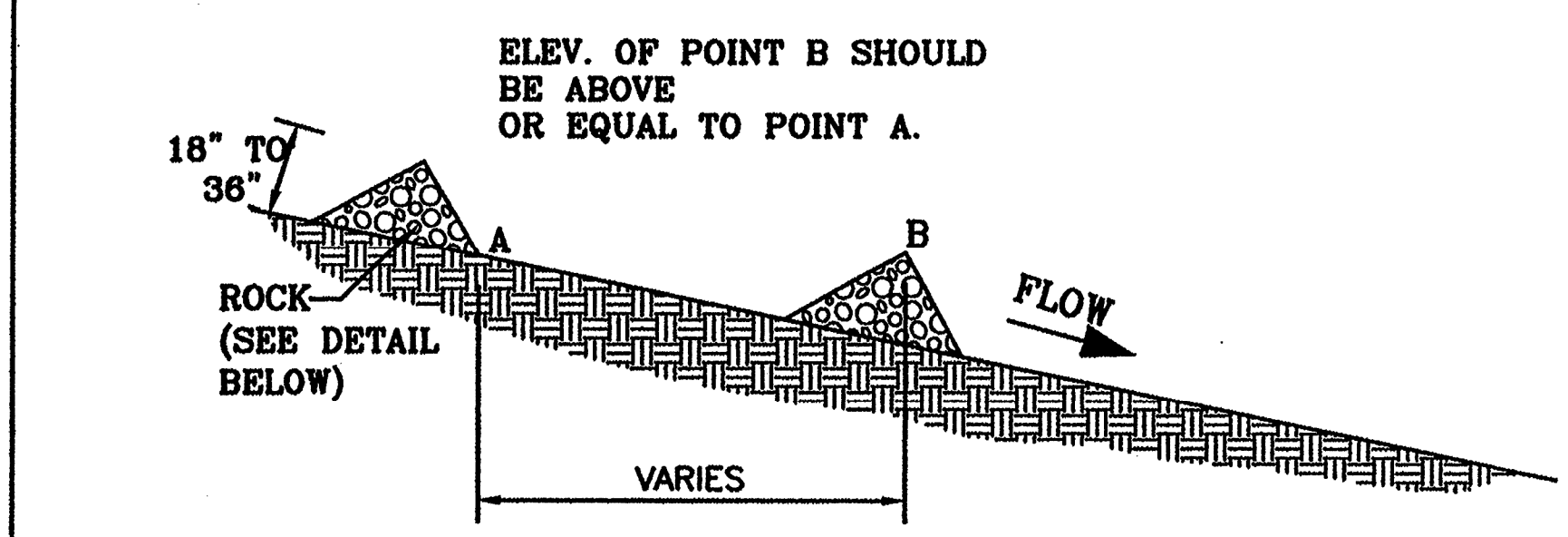
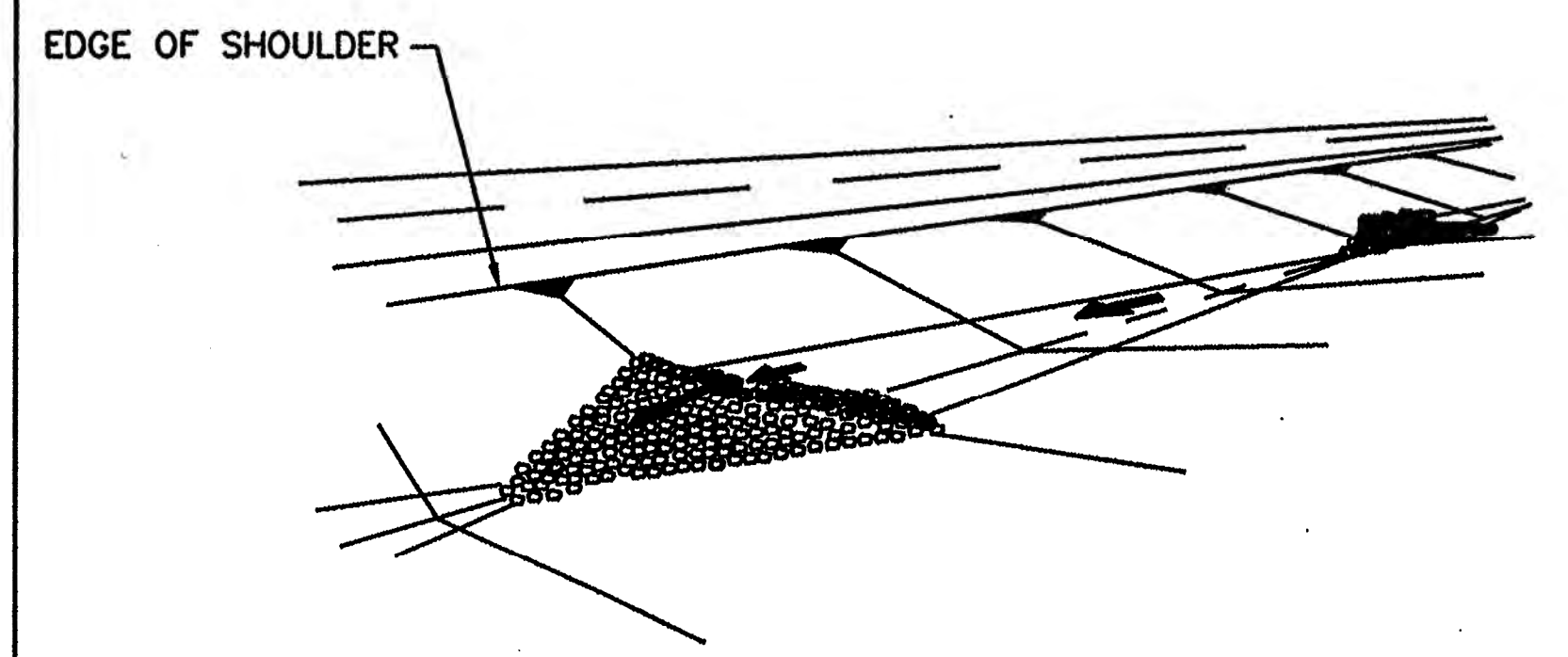


SECTION A-A

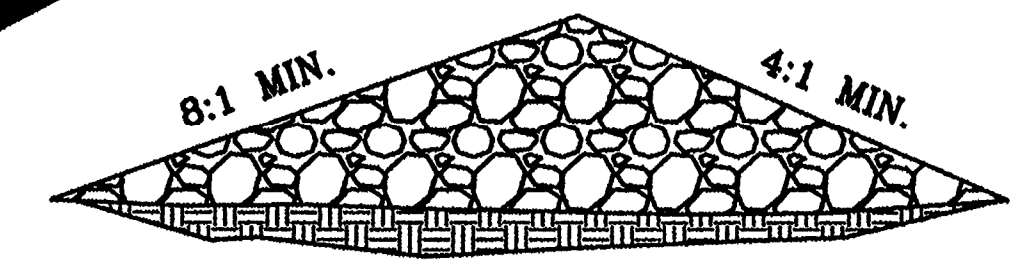


SECTION B-B

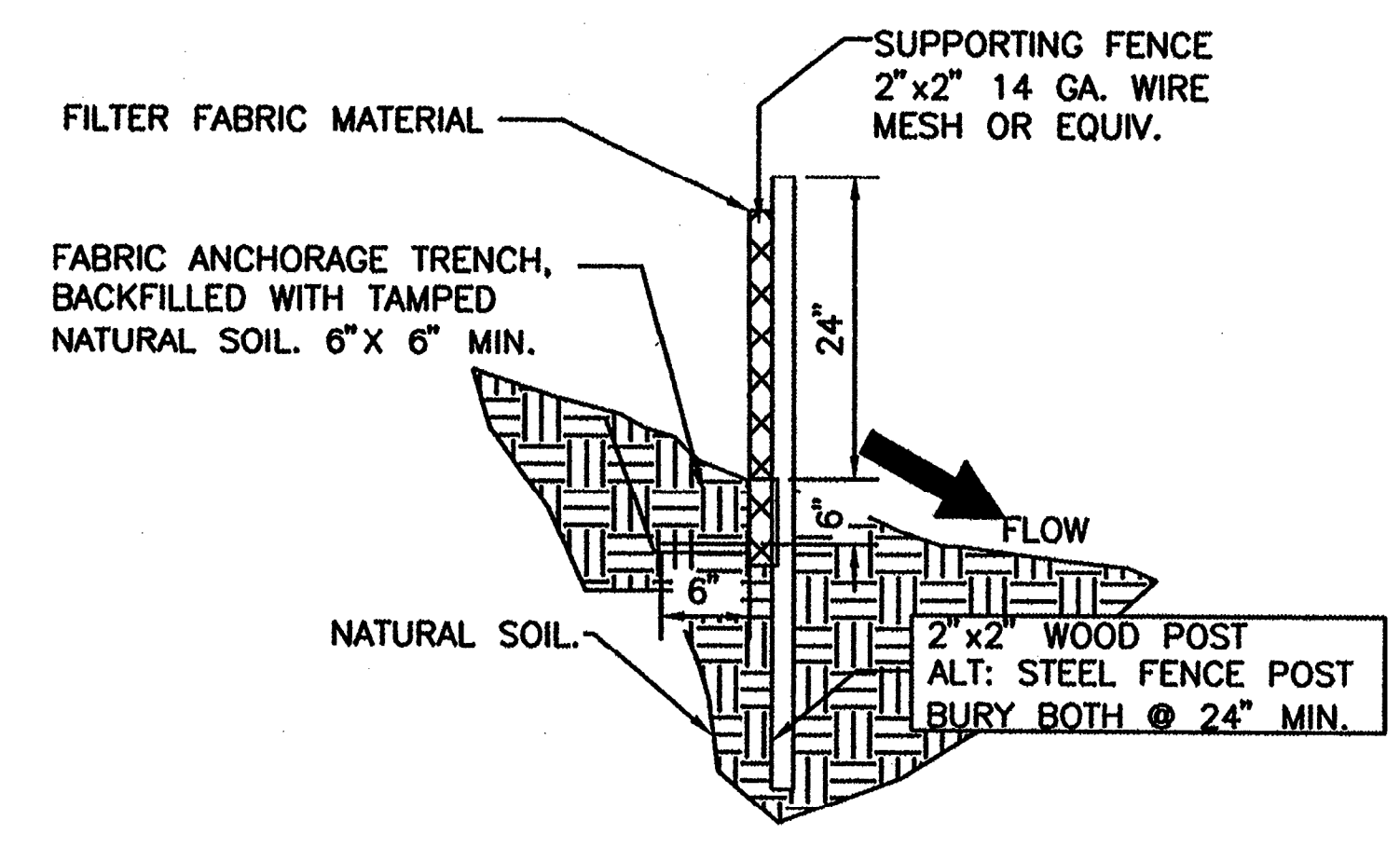
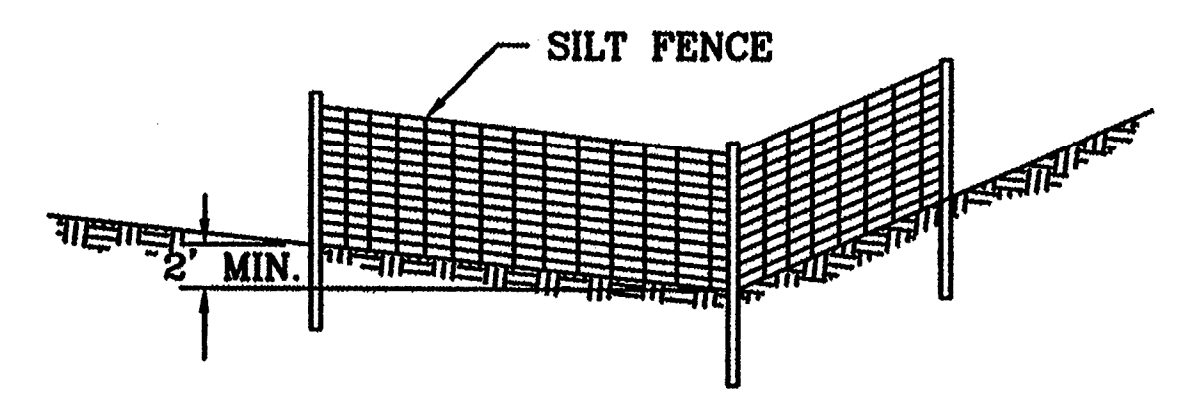
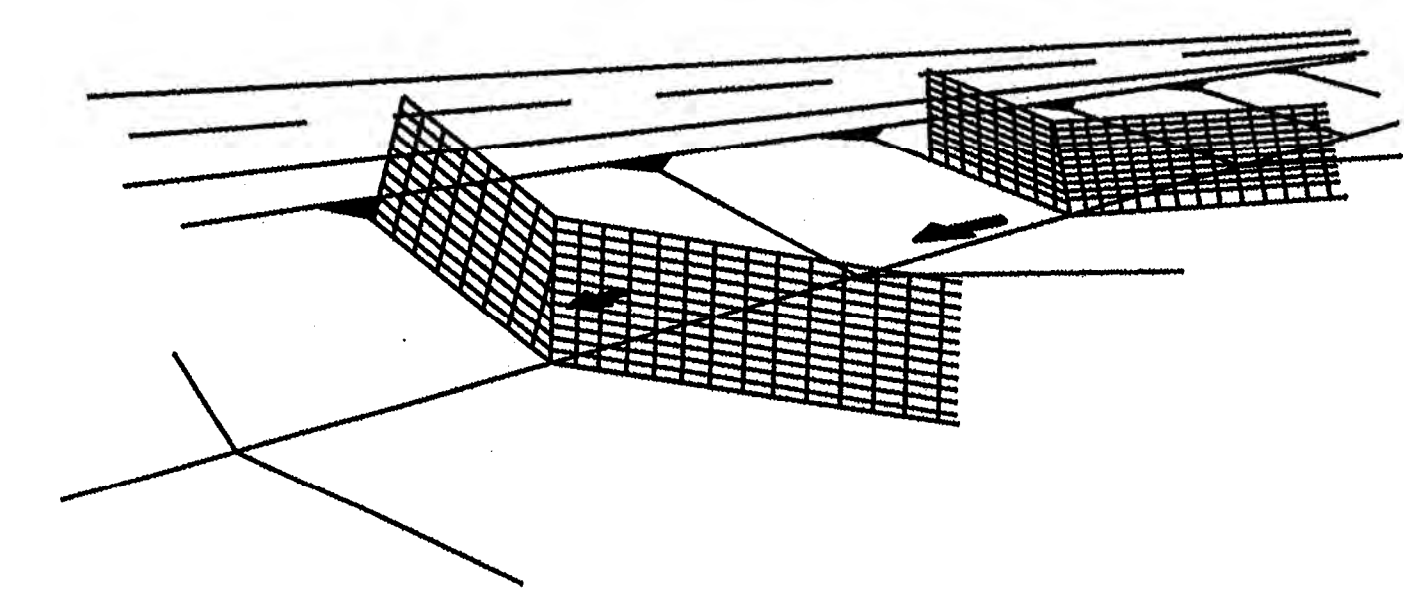
**TYPE III
(STRAW BALE)**



TRAFFIC FLOW



**TYPE II
STONE DAM**



TYPE I SILT FENCE

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			

**NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING**

**TEMPORARY EROSION & SEDIMENT
CONTROL MEASURES
CHECK DAMS**

APPROVED *Raymunda VanHorn* 1/29/12
DESIGN ENGINEER DATE

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____
603-01-2/7 SHEET 2 OF 7



**WILSON
& COMPANY**
4900 Lang Avenue Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

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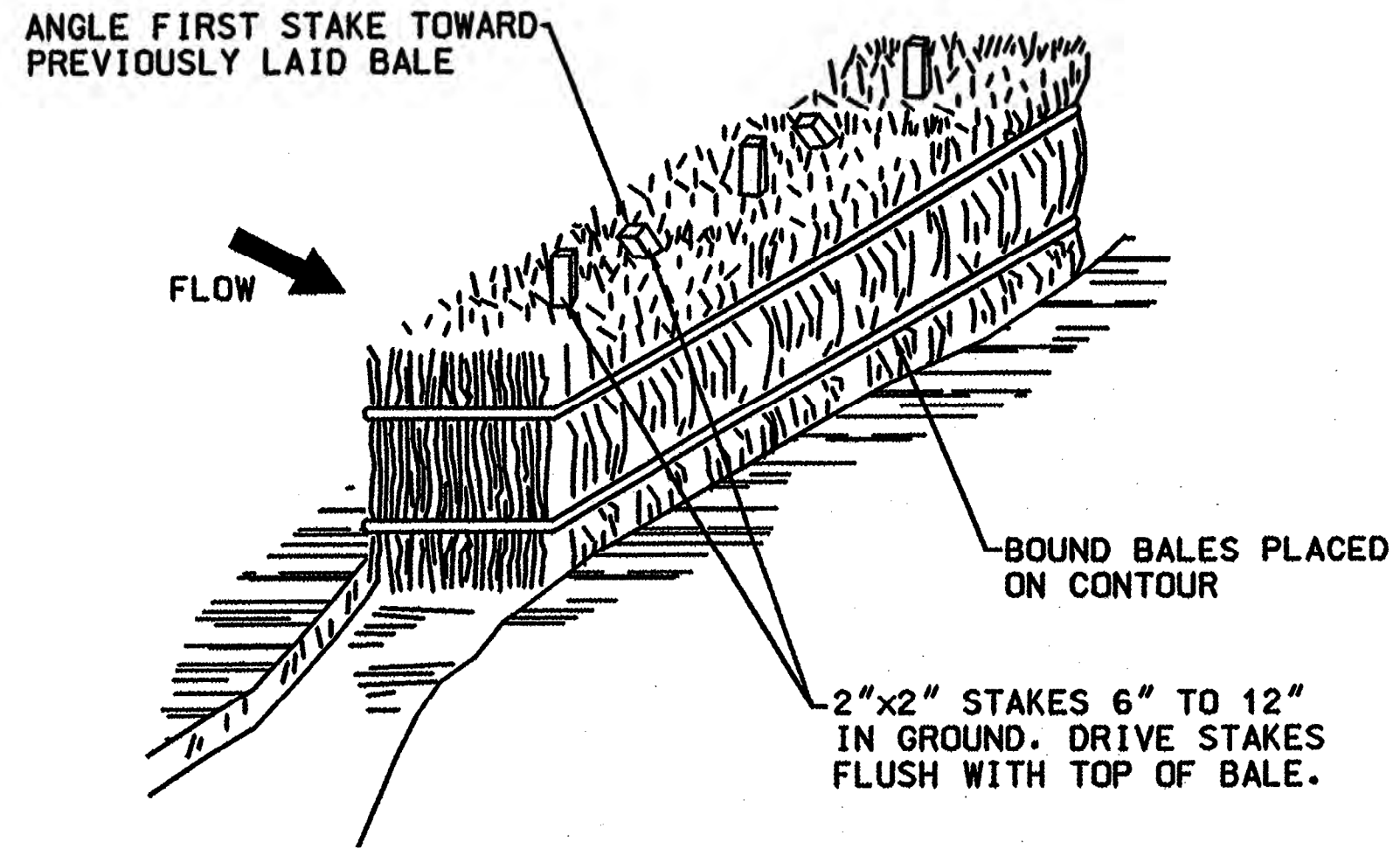
PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

NO.	DATE	REV. BY	DESCRIPTION

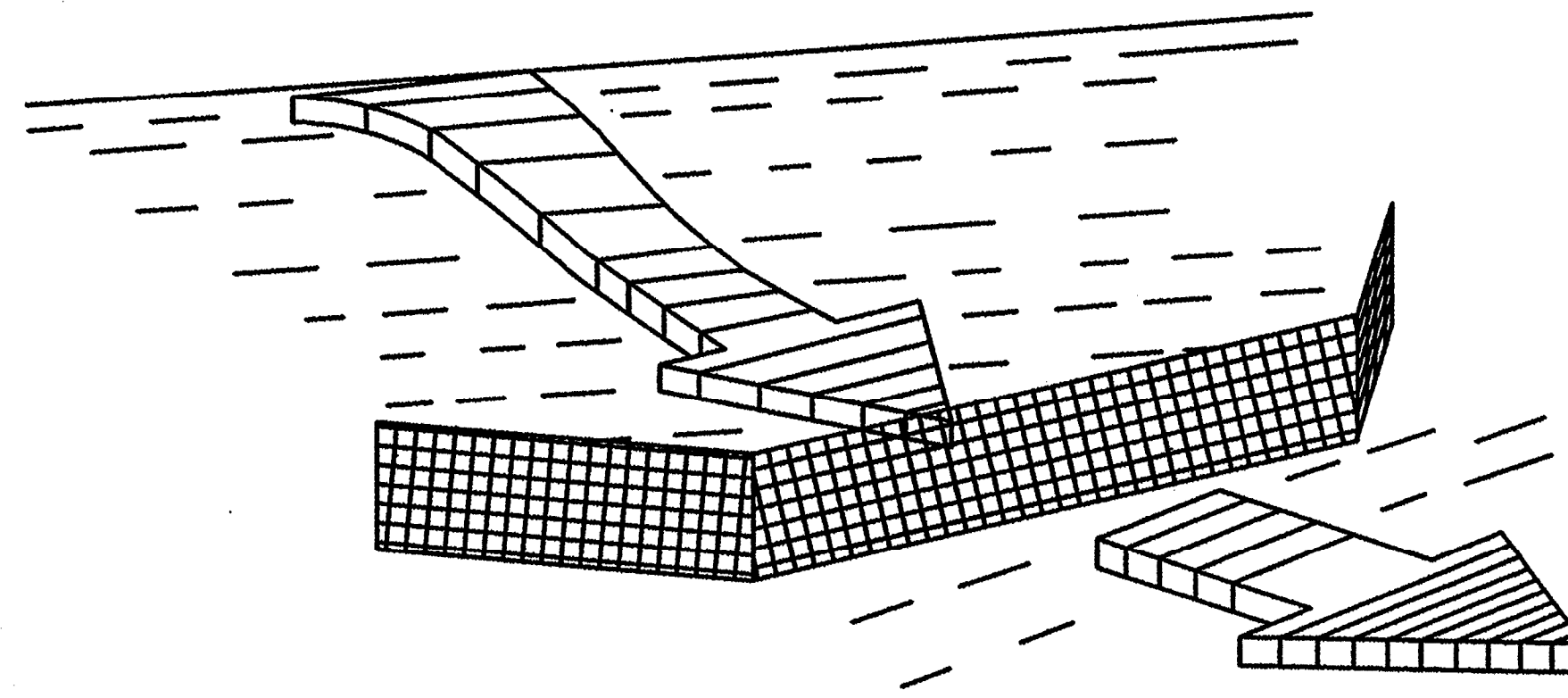
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012

SHEET TITLE
**TYPICAL
EROSION CONTROL
MEASURES**

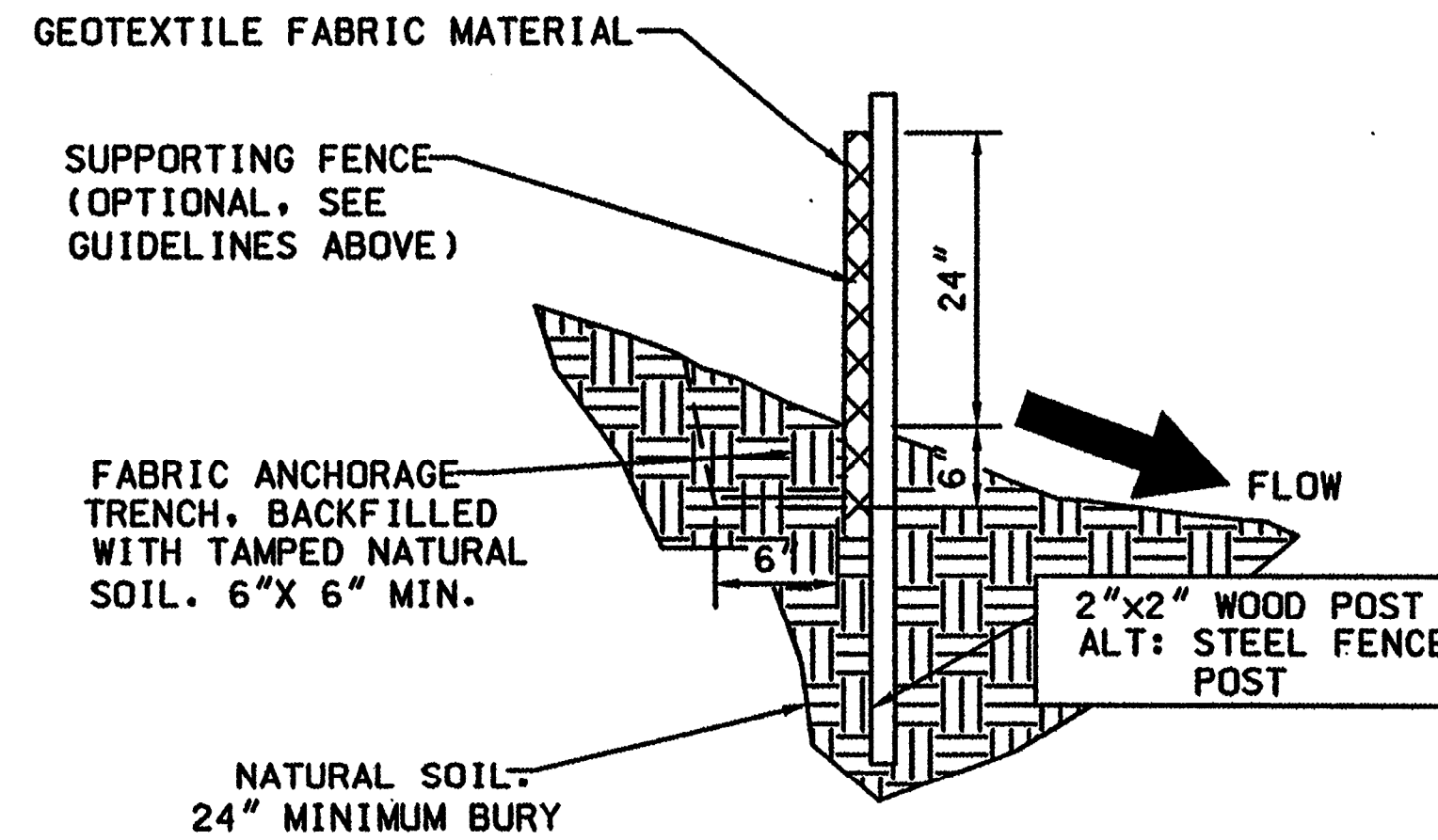
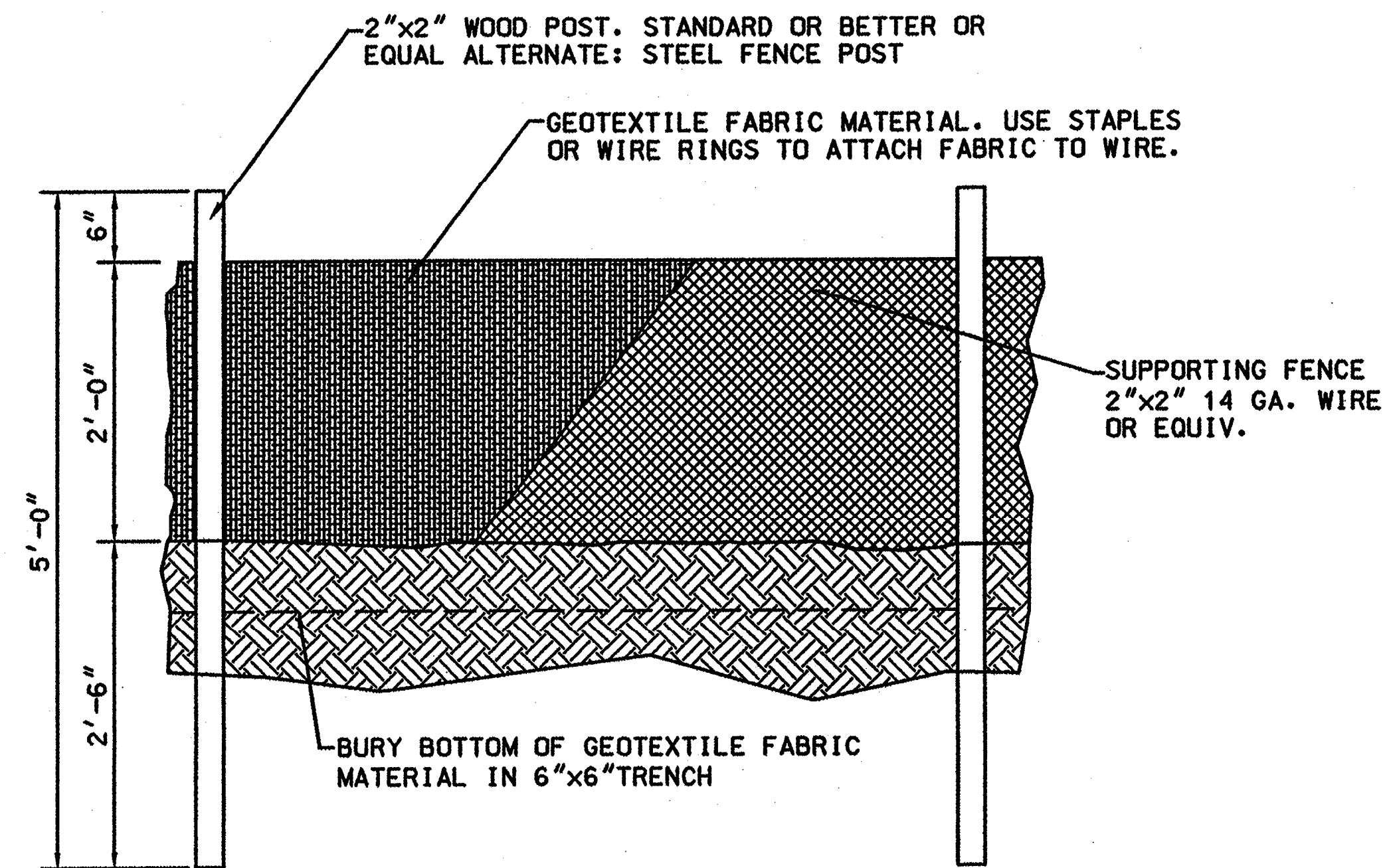
SHEET NO:
SHEET 63 OF 85



**TYPE II
STRAW BALE OPTION**



**TYPE I
SILT FENCE**



NOTES: SILT FENCE AND CHECK DAM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.

1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 2 LBS. PER. LINEAR FOOT.

POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE OR APPROVED.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
6. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.
7. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SILT FENCE			
APPROVED	<i>Raymundo Von Stoven</i>		DATE 11/29/12
DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____			
603-01-3/7			



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PROJECT NAME
STRATHMORE MINERALS
ROCA HONDA MINES
SECTION 9, 10 & 16
SITE DEVELOPMENT

NO.	DATE	REV. BY	DESCRIPTION	BY

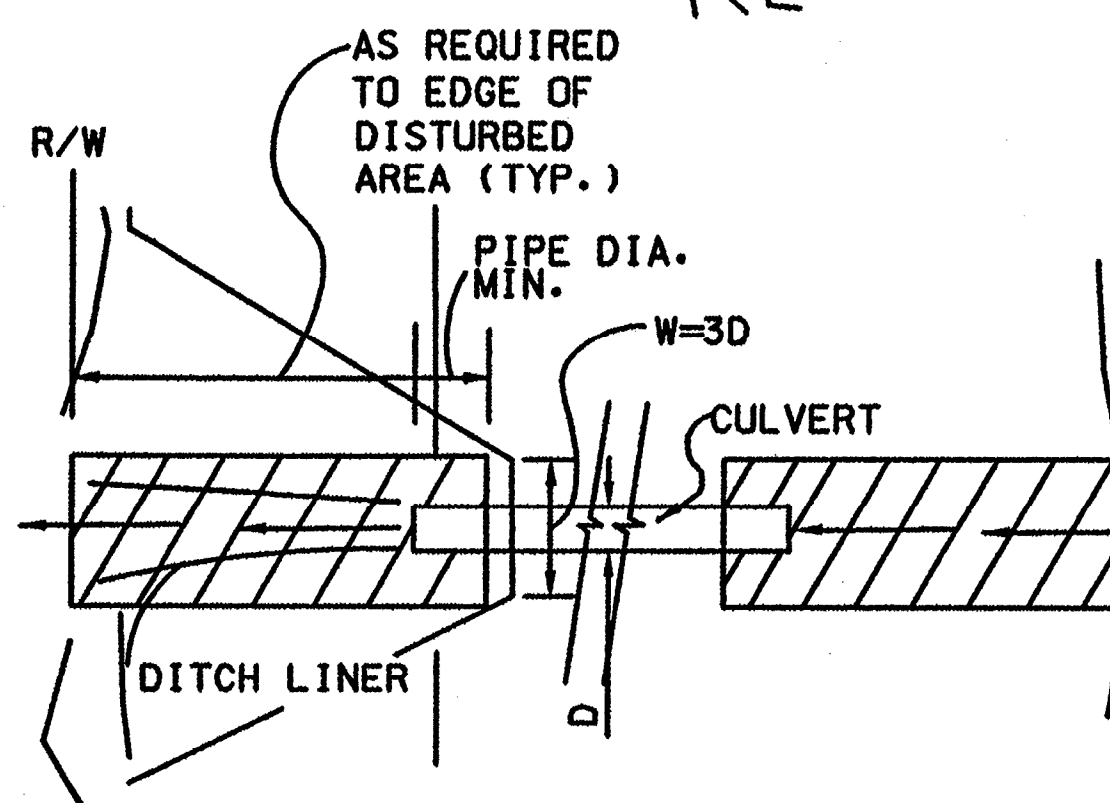
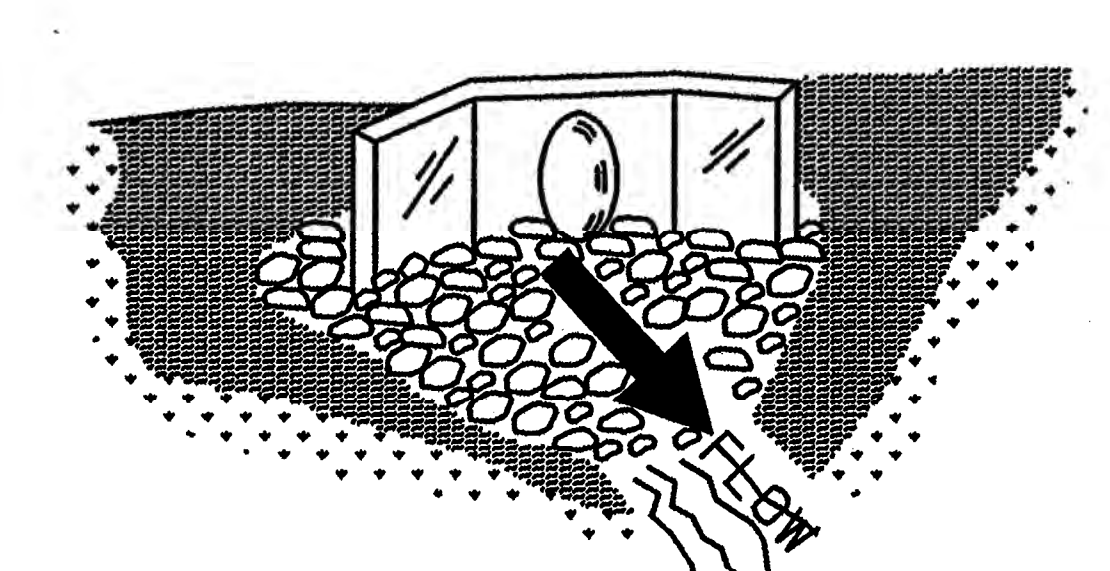
PROJECT NO: 1160001900
DESIGNED BY: DMD
DRAWN BY: STAFF
CHECKED BY: DMD
DATE: JANUARY, 2012
SHEET TITLE
TYPICAL
EROSION CONTROL
MEASURES

SHEET NO:
SHEET 64 OF 85

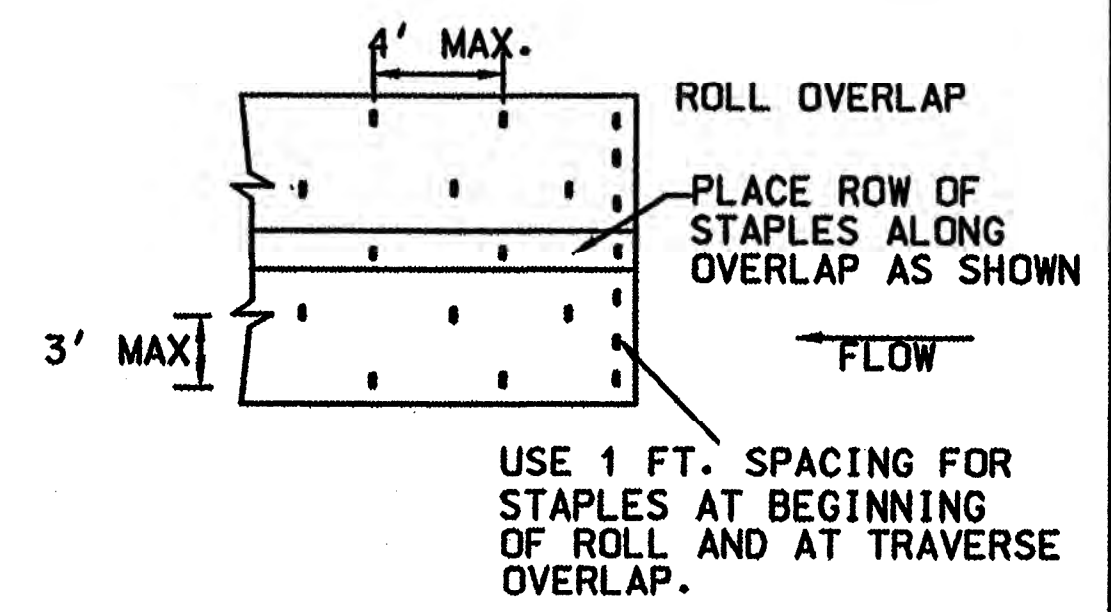
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9/27/11

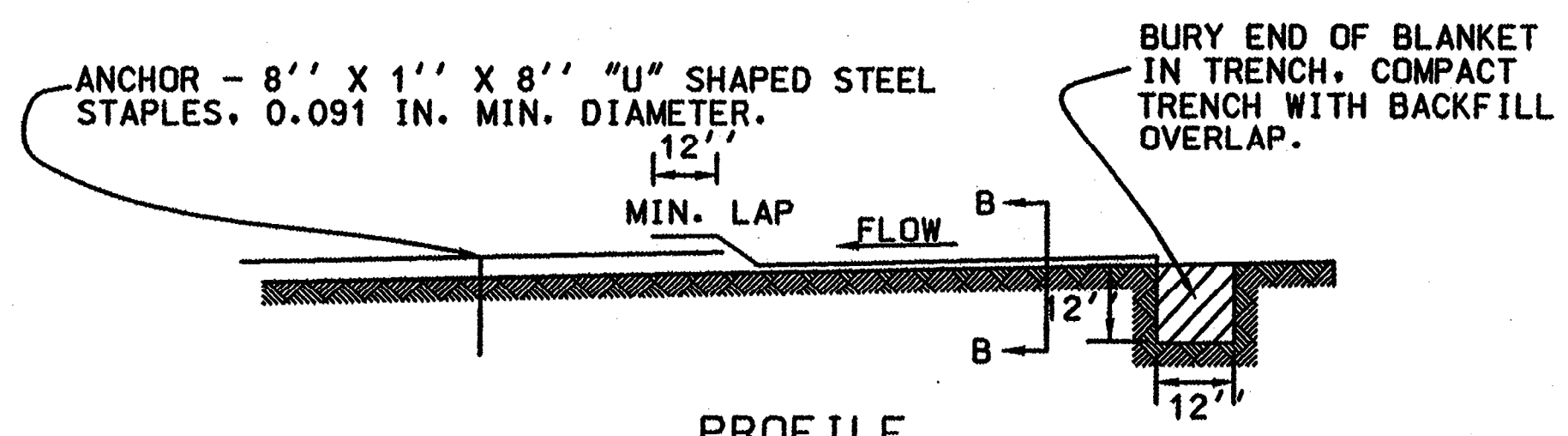
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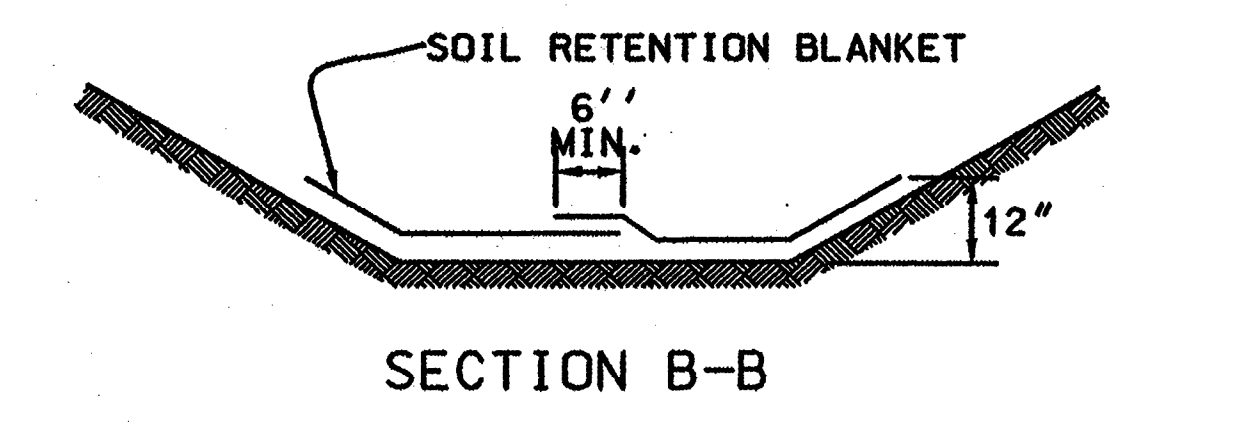
TYPICAL DITCH LINER INSTALLATIONS AT CULVERTS



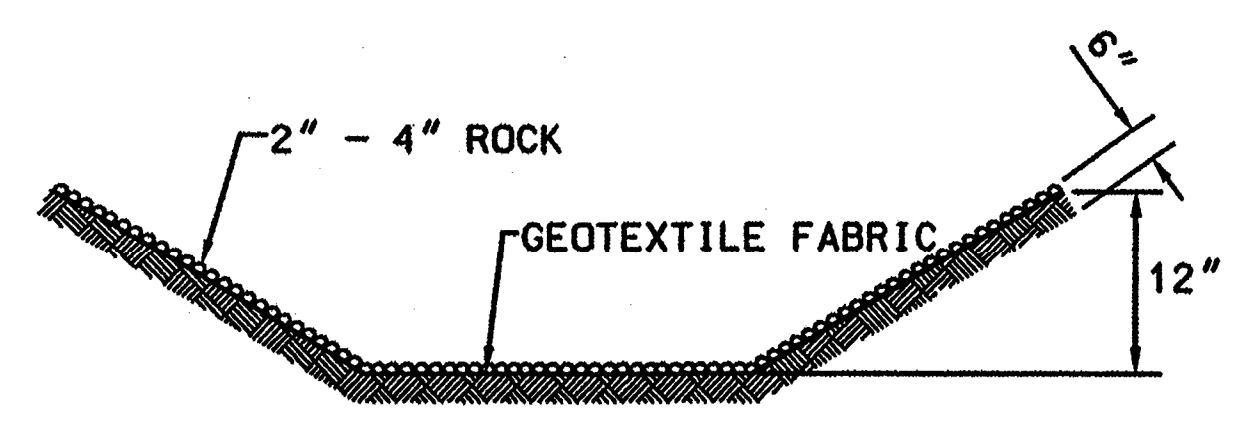
SOIL RETENTION BLANKET STAPLE PATTERN



PROFILE DITCH LINER



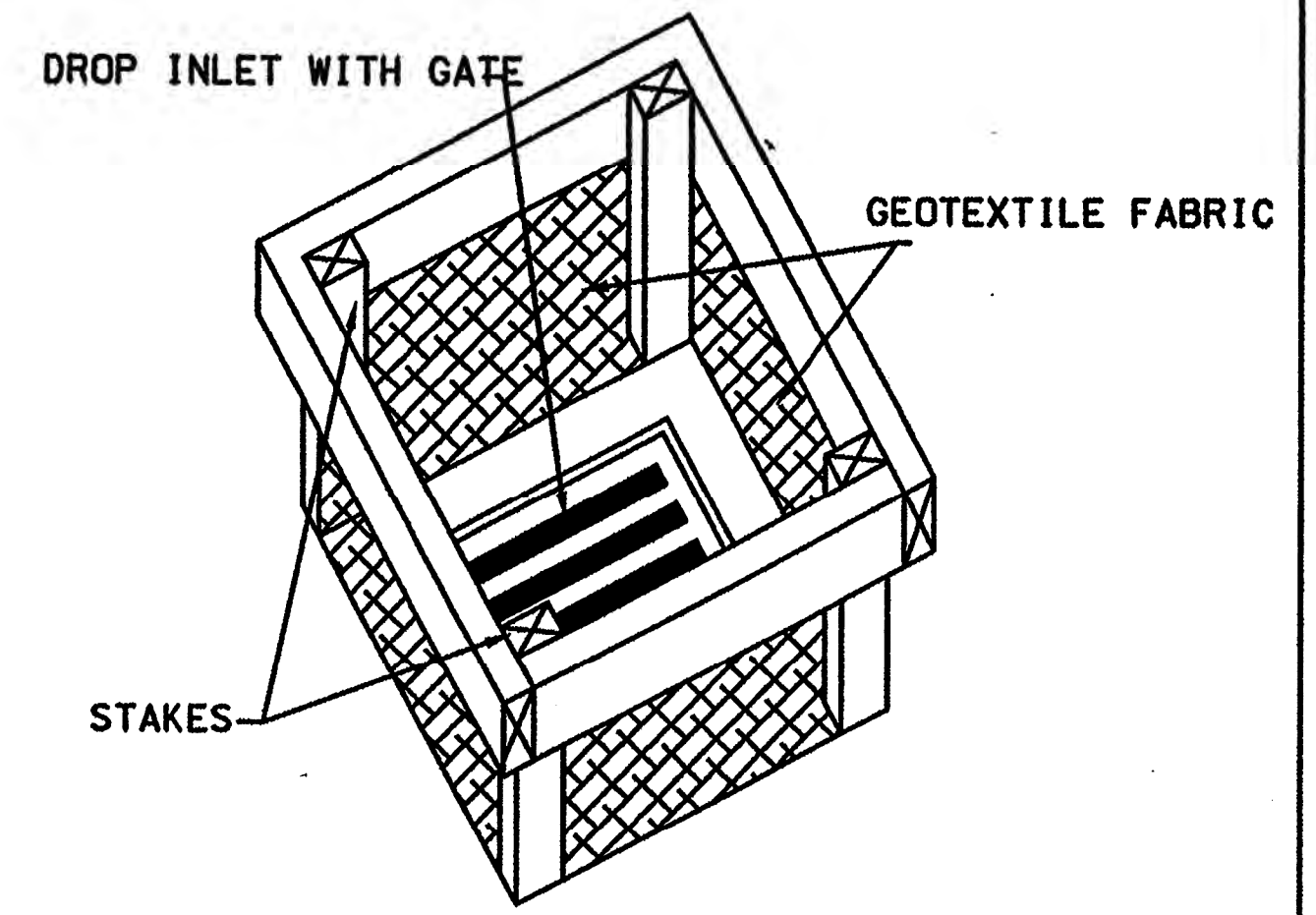
SECTION B-B



SECTION B-B

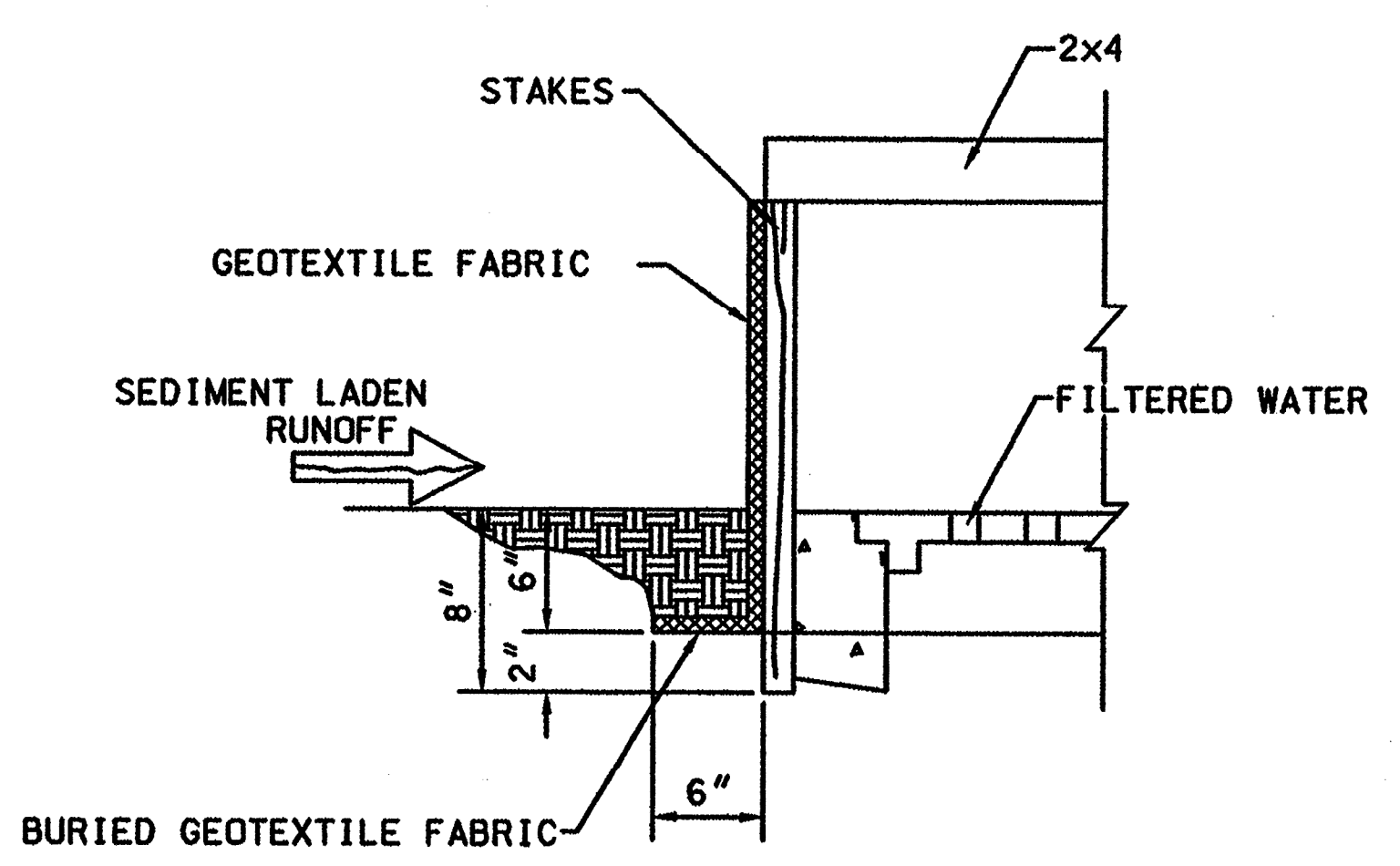
CULVERT PROTECTION

- NOTES: CULVERT PROTECTION**
1. WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
 2. THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
 3. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURER'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.

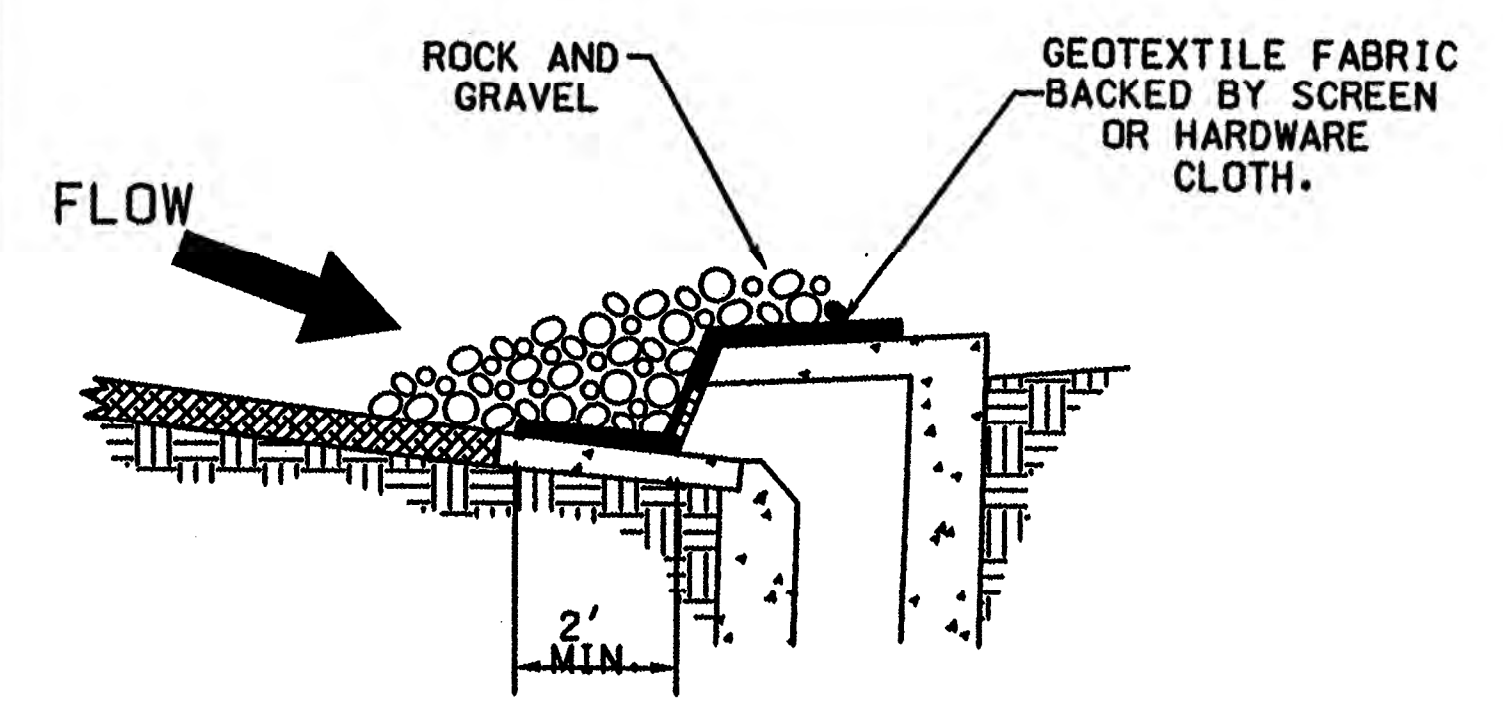


TYPE I

NOTE: WHEN SPECIFIED, ROCKS OR STRAW BALES CAN BE SUBSTITUTED FOR SILT FENCE.

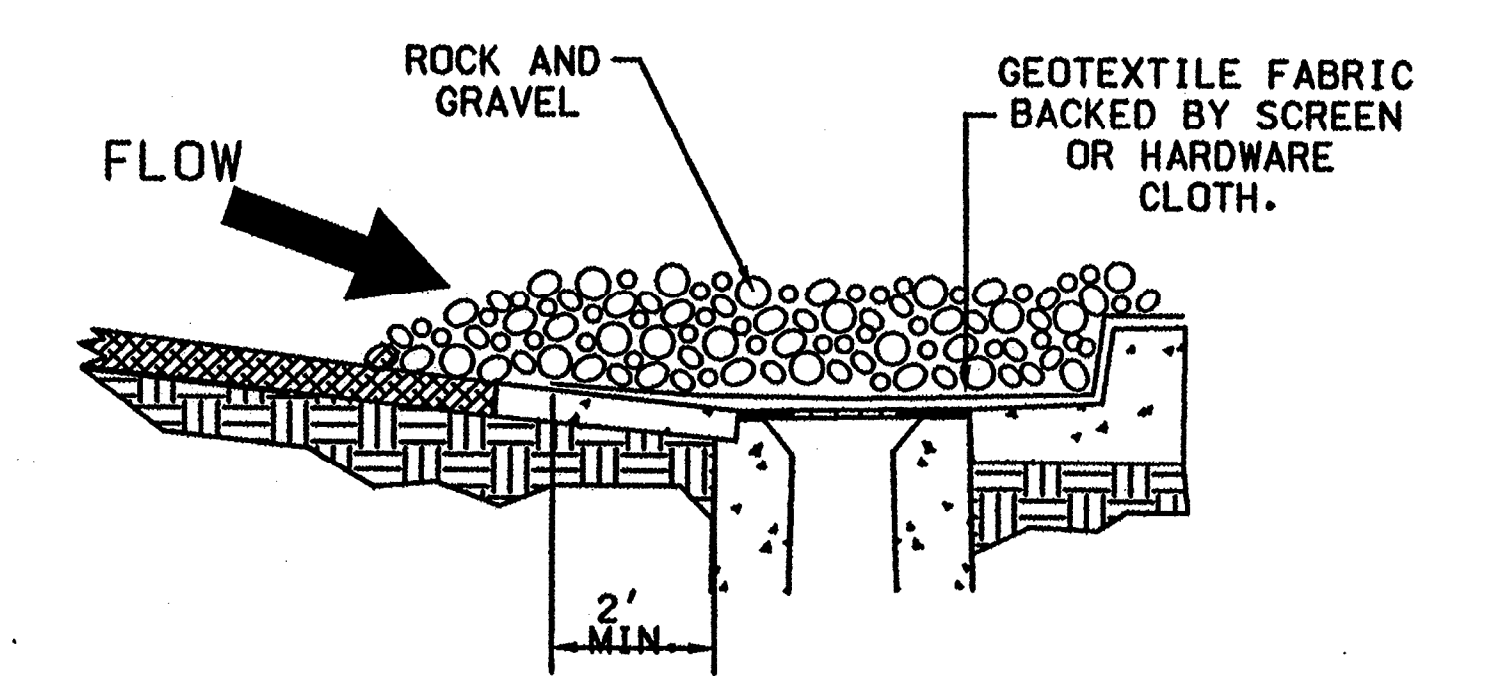


DROP INLET PROTECTION



TYPE I CURB OPENING

- NOTES: GRAVEL INLET PROTECTION**
1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "N" INSTALLATION IS SIMILAR.
 2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 5 FT.



TYPE II CURB DROP INLET

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
TEMPORARY EROSION & SEDIMENT CONTROL MEASURES			
CULVERT & DROP INLET PROTECTION			
APPROVED <i>Raynelda Van Hoven</i> 11/29/09		DATE	
DESIGNED BY		DRAWN BY	
CHECKED BY		DATE	
603-01-4/7			



60% SUBMITTAL NOT FOR CONSTRUCTION

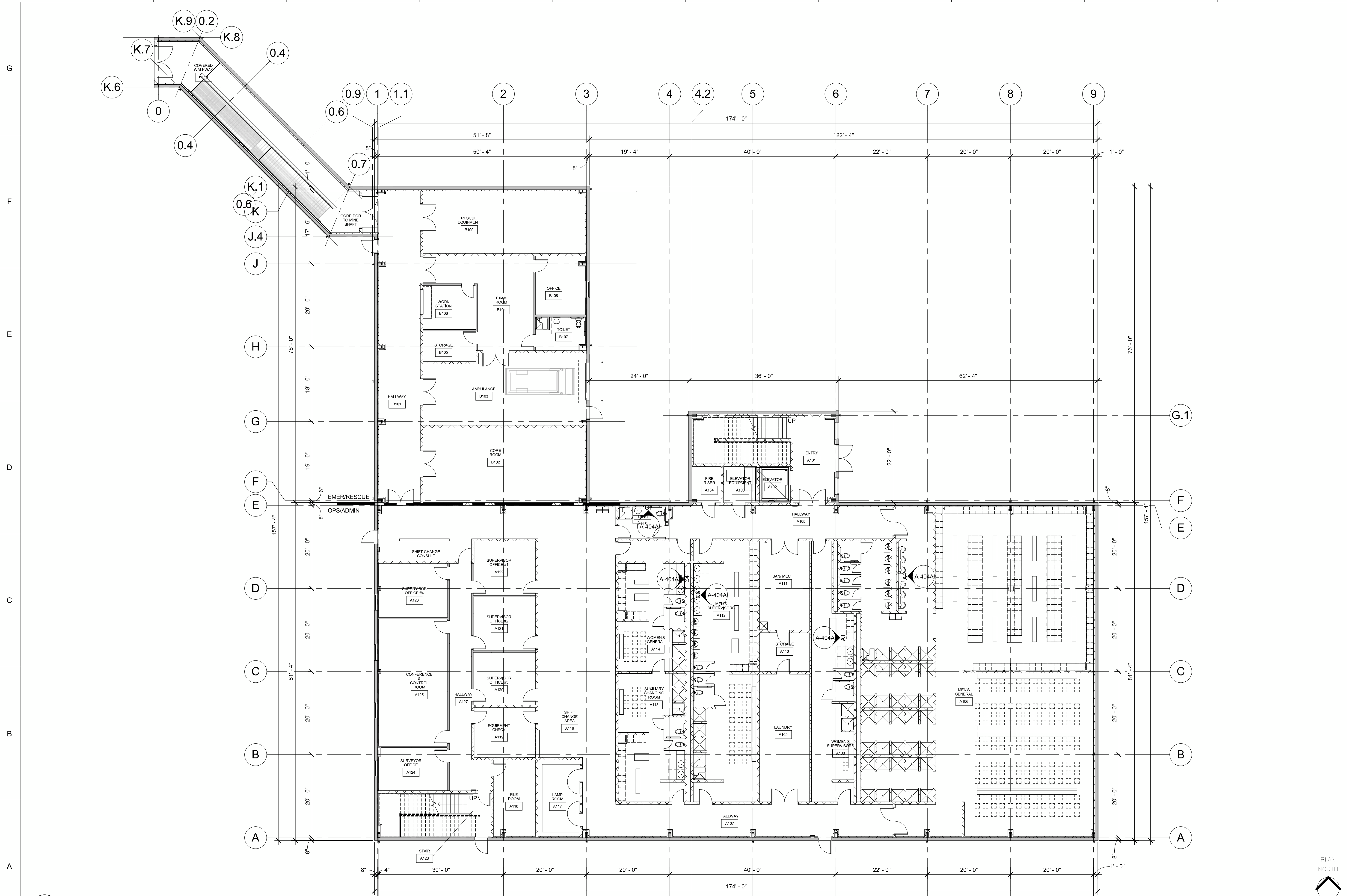
PROJECT NAME
 STRATHMORE MINERALS
 ROCA HONDA MINES
 SECTION 9, 10 & 16
 SITE DEVELOPMENT

NO.	DATE	REV. BY	DESCRIPTION

PROJECT NO: 1160001900
 DESIGNED BY: DMD
 DRAWN BY: STAFF
 CHECKED BY: DMD
 DATE: JANUARY, 2012
 SHEET TITLE
 TYPICAL EROSION CONTROL MEASURES

SHEET NO:
 SHEET 65 OF 85

11/16/2011 2:02:54 PM



A1 OVERALL FLOOR PLAN
3/32" = 1'-0"



SEAL

PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00
DRAWN BY: SLW
CHECKED BY: TR
SHEET TITLE:
**OPS/ADMIN &
EMER/RESCUE
BLDG -
OVERALL 1ST
FLR PLAN**

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

LEGEND

- 06 4100.C COUNTERTOP
- 08 3313.C COILING COUNTER DOOR
- 10 4400.F FIRE EXTINGUISHER CABINET
- 10 5100.H HANDICAP ACCESSIBLE LOCKER
- 10 5100.L LOCKER
- 10 5100.L01 LOCKER BENCH

- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 225 FACE OF GIRT.
- 325 PLUMBING FIXTURE.

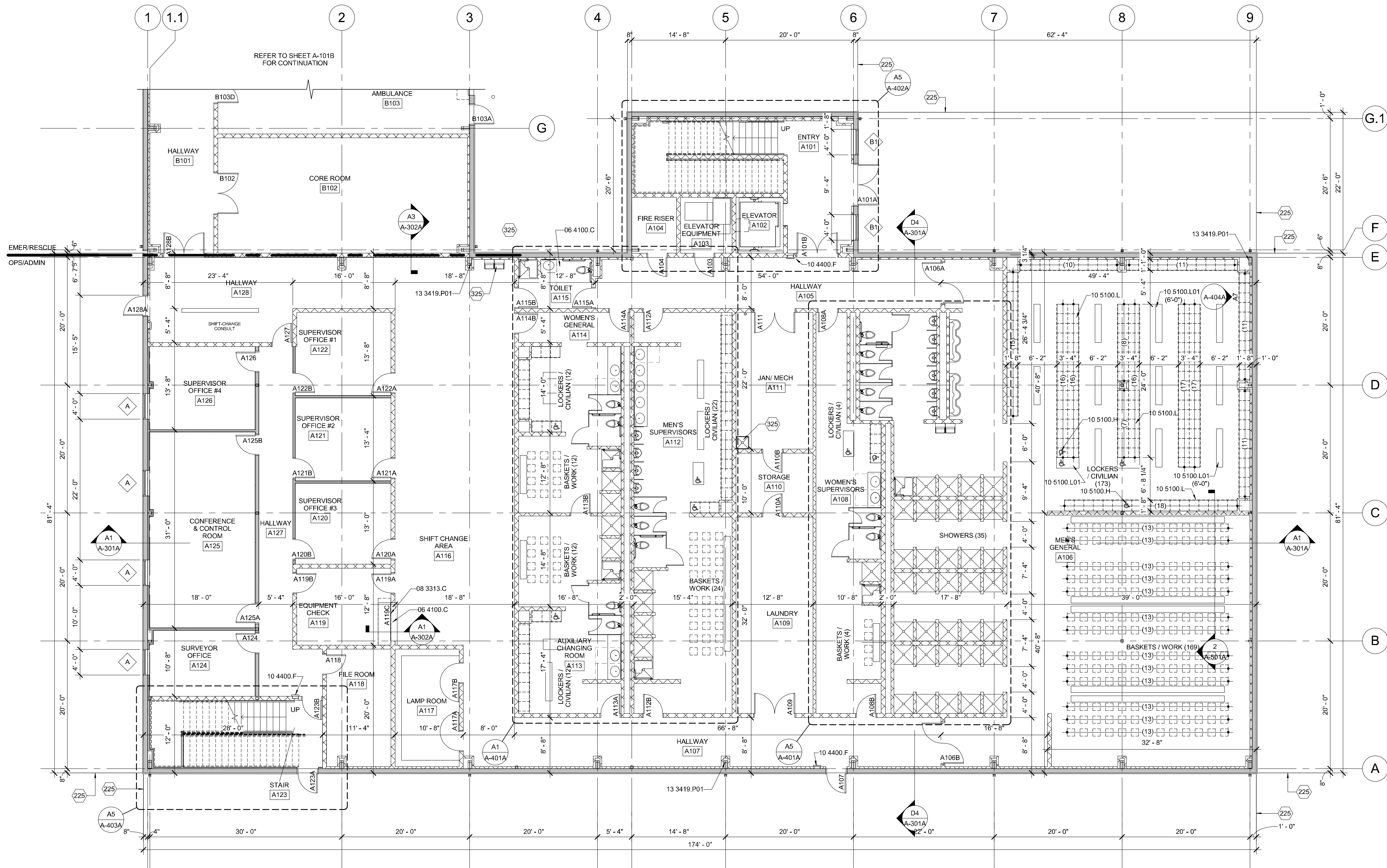
- DOOR TYPE - SEE DOOR SCHEDULE
- PARTITION TYPE - SEE PARTITION SCHEDULE
- FIRE EXTINGUISHER - CABINET
- FIRE EXTINGUISHER - WALL MOUNTED



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4001 Office Court Drive Suite 102
Santa Fe, NM 87507



4900 Lang Avenue, NE
Albuquerque, NM 87109
Phone: (505) 348-4000



A1 FIRST FLOOR PLAN
1/8" = 1'-0"

SEAL

PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00
DRAWN BY: SLW
CHECKED BY: TR
SHEET TITLE:
**OPS/ADMIN
BUILDING -
FIRST FLOOR
PLAN**

A-102A
SHEET 70 OF 85

11/16/2011 2:04:28 PM

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

LEGEND

- 06 4100.S11 SOLID SURFACE COUNTERTOP
- 10 4400.F FIRE EXTINGUISHER CABINET
- 10 4400.S SURFACE MOUNTED FIRE EXTINGUISHER
- 12 3530.R RESIDENTIAL CASEWORK
- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 225 FACE OF GIRT.
- 325 PLUMBING FIXTURE.

- DOOR TYPE - SEE DOOR SCHEDULE
- PARTITION TYPE - SEE PARTITION SCHEDULE
- FIRE EXTINGUISHER - CABINET
- FIRE EXTINGUISHER - WALL MOUNTED



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Phone: (505) 348-4000

SEAL

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00

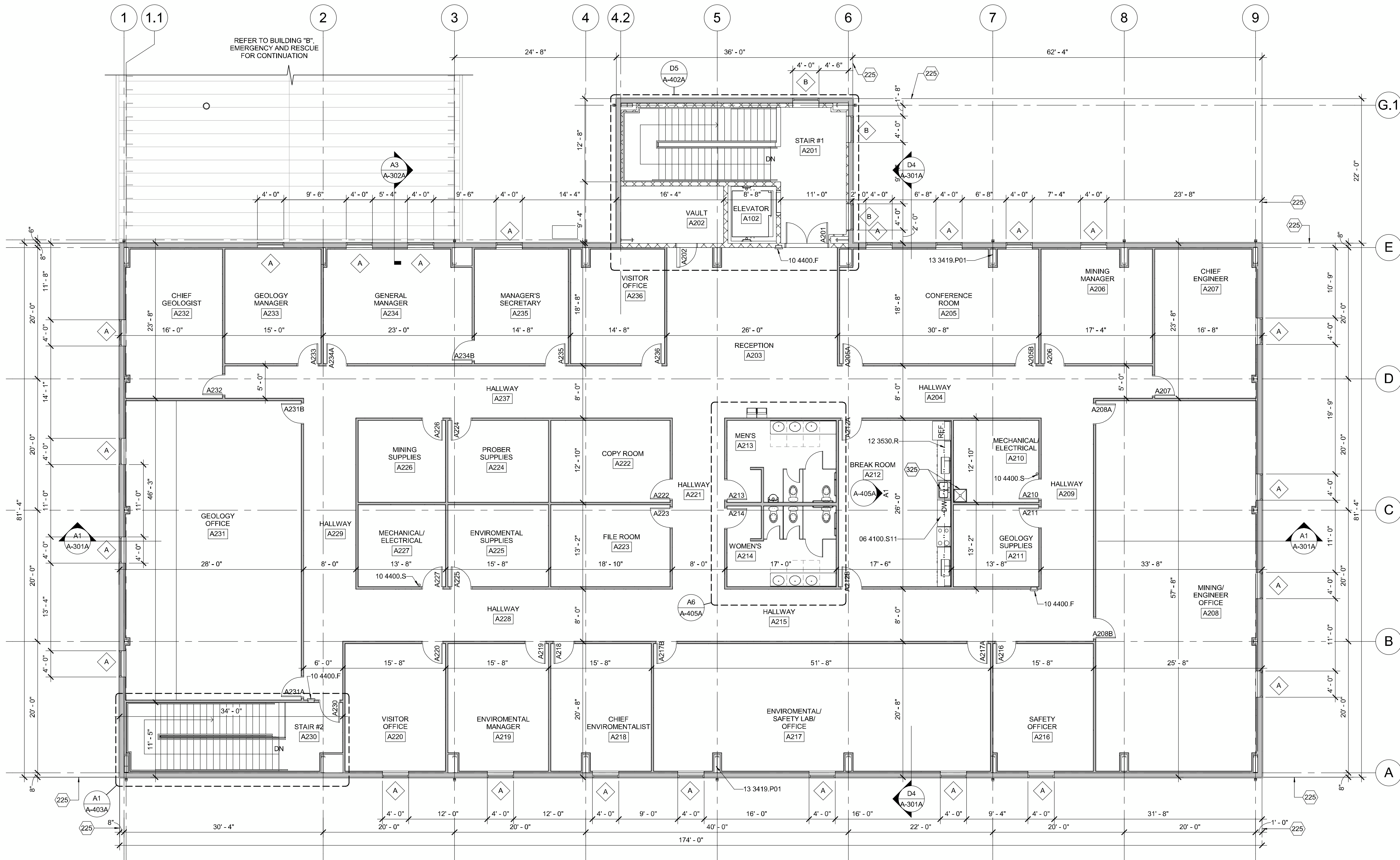
DRAWN BY SLW
CHECKED BY TR

SHEET TITLE
OPS/ADMIN
BUILDING -
SECOND
FLOOR PLAN

A1-103A

SHEET 71 OF 85

REFER TO BUILDING "B"
EMERGENCY AND RESCUE
FOR CONTINUATION



A1 SECOND FLOOR PLAN
1/8" = 1'-0"



11/16/2011 2:05:07 PM

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 08 1113.S STEEL DOOR
- 08 1113.S01 STEEL FRAME
- 08 5113.A ALUMINUM WINDOW
- 13 3419.D DOWNSPOUT
- 13 3419.G01 GUTTER
- 13 3419.R RIDGE CAP
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S03 SNOW GUARD
- 13 3419.W WALL PANEL

SHEET KEYNOTES

- 289 MECHANICAL EXHAUST FAN.



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SEAL

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

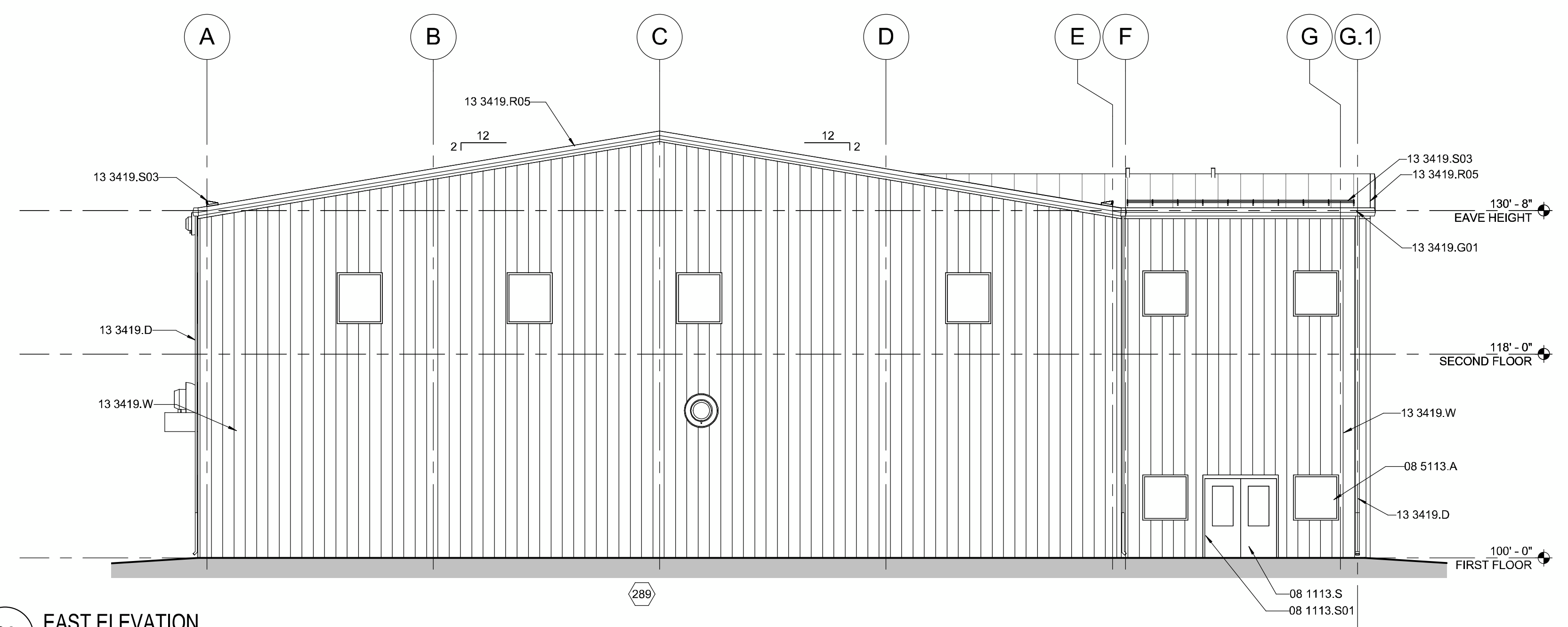
MARK	DATE	DESCRIPTION
2	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00

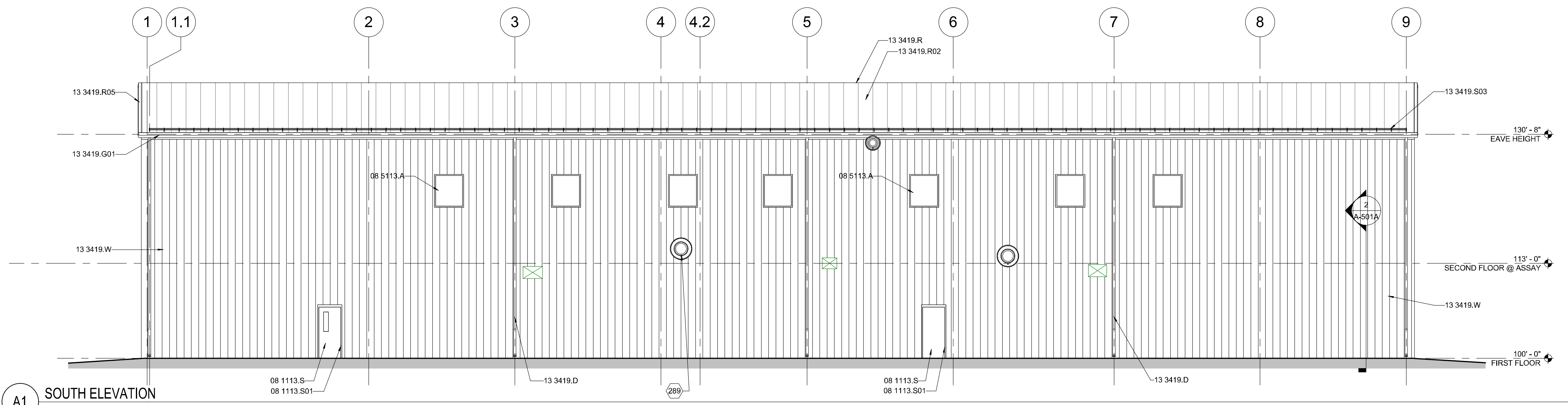
DRAWN BY SLW
CHECKED BY TR

SHEET TITLE
OPS/ADMIN
BUILDING -
EXTERIOR
ELEVATIONS

A-201A
SHEET 72 OF 85



C3 EAST ELEVATION
1/8" = 1'-0"



A1 SOUTH ELEVATION
1/8" = 1'-0"

11/16/2011 2:06:01 PM

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- | | |
|-------------|-----------------|
| 05 5000.B02 | BOLLARD |
| 08 1113.S | STEEL DOOR |
| 08 1113.S01 | STEEL FRAME |
| 08 5113.A | ALUMINUM WINDOW |
| 13 3419.D | DOWNSPOUT |
| 13 3419.G01 | GUTTER |
| 13 3419.R | RIDGE CAP |
| 13 3419.R02 | ROOF PANEL |
| 13 3419.R05 | RAKE TRIM |
| 13 3419.S03 | SNOW GUARD |
| 13 3419.W | WALL PANEL |

SHEET KEYNOTES



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Albuquerque, NM 87109
Phone: (505) 348-4000

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

DATE	REVIEW	DESCRIPTION
12/02/2011	60% DESIGN REVIEW	

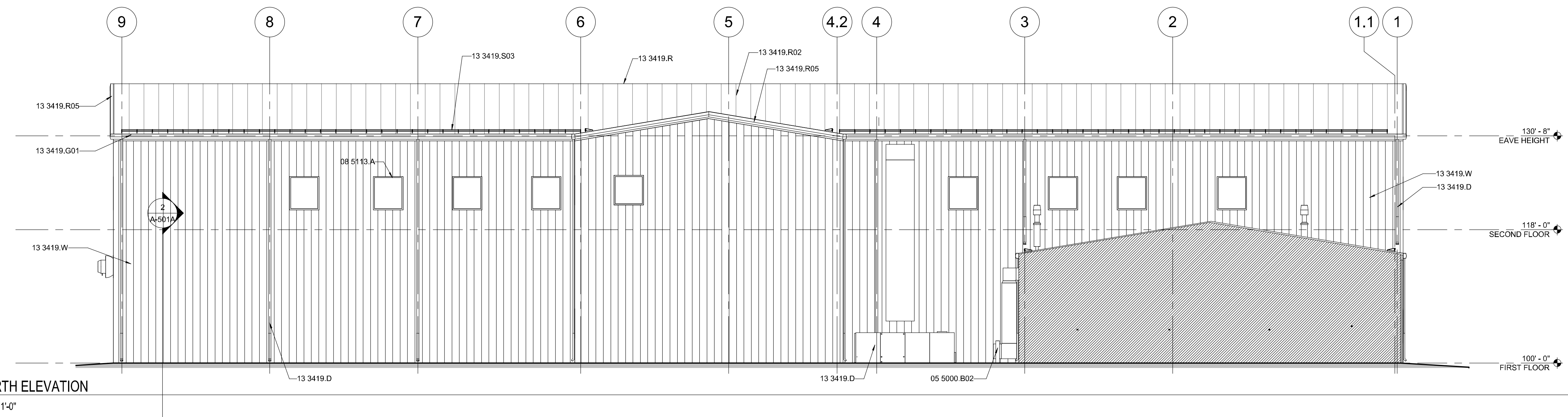
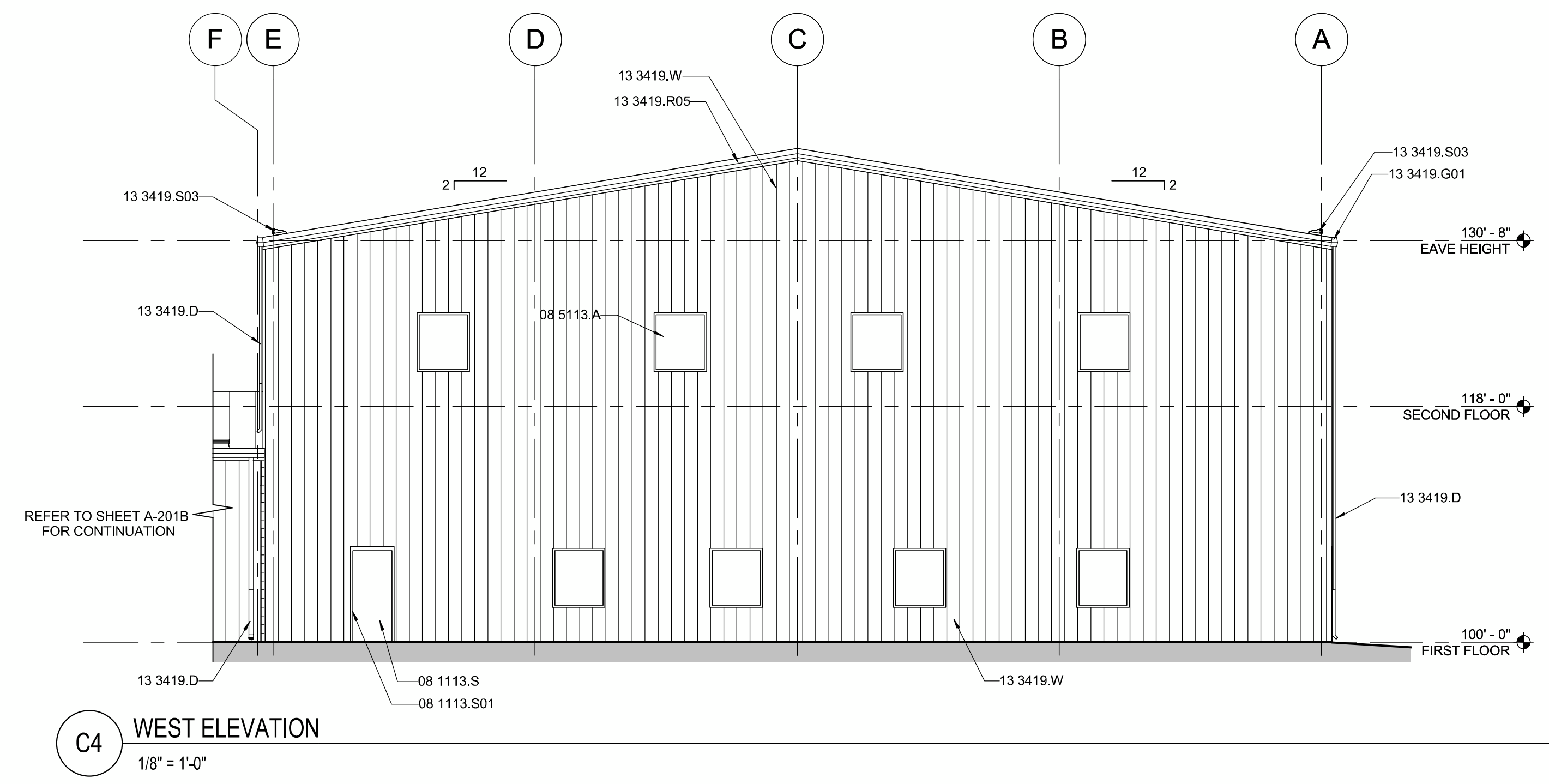
PROJECT NO:
11-600-019-00

DRAWN BY Author

CHECKED BY Checker

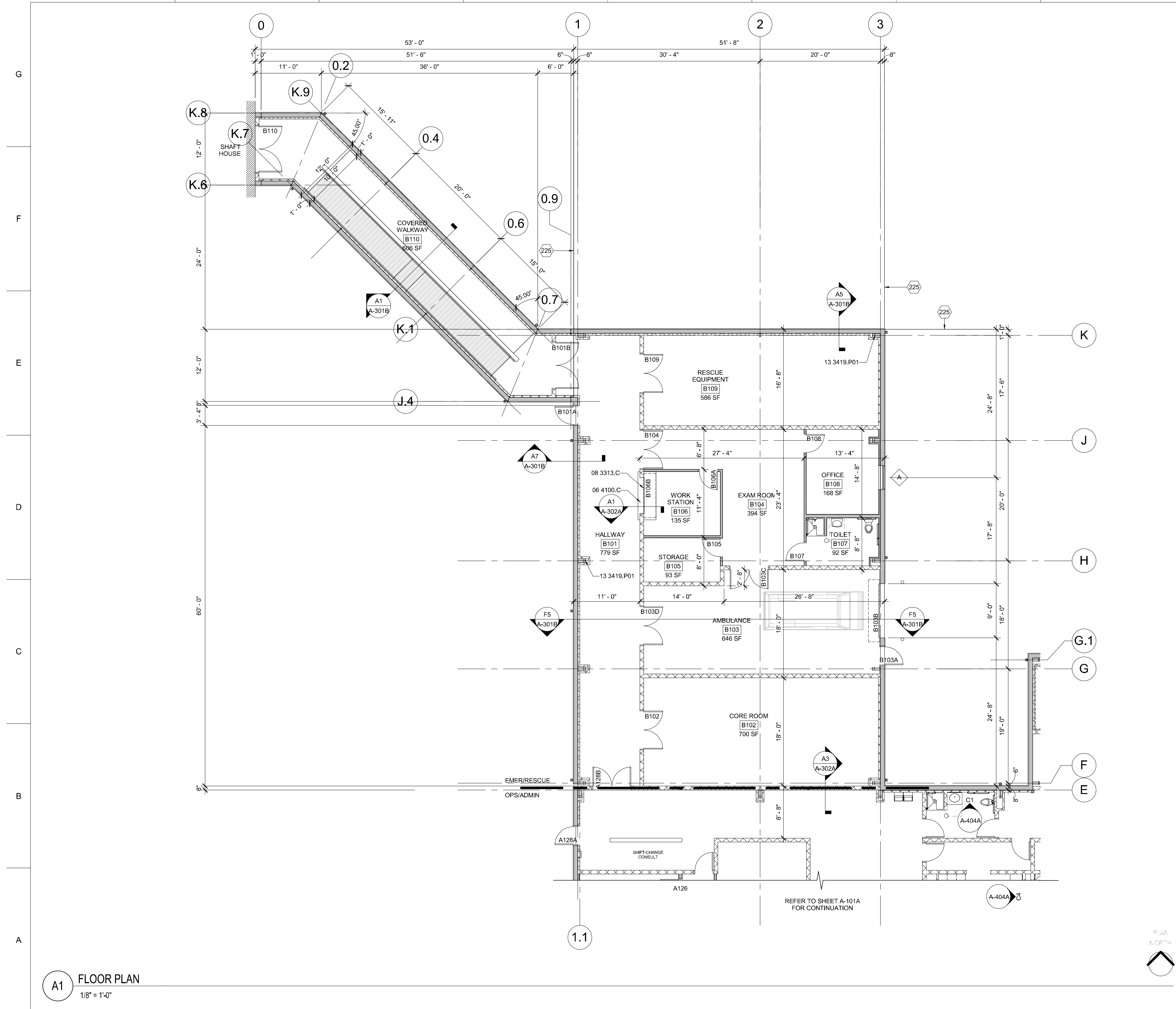
SHEET TITLE
OPS/ADMIN
BUILDING -
EXTERIOR
ELEVATIONS

A-202A
SHEET 73 OF 85



11/16/2011 2:08:00 PM

11/16/2011 2:03:05 PM



A1 FLOOR PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 06 4100.C COUNTERTOP
- 08 3313.C COILING COUNTER DOOR

SHEET KEYNOTES

- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 225 FACE OF GIRT.

LEGEND



SEAL

PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
-	12/02/2011	60% DESIGN REVIEW

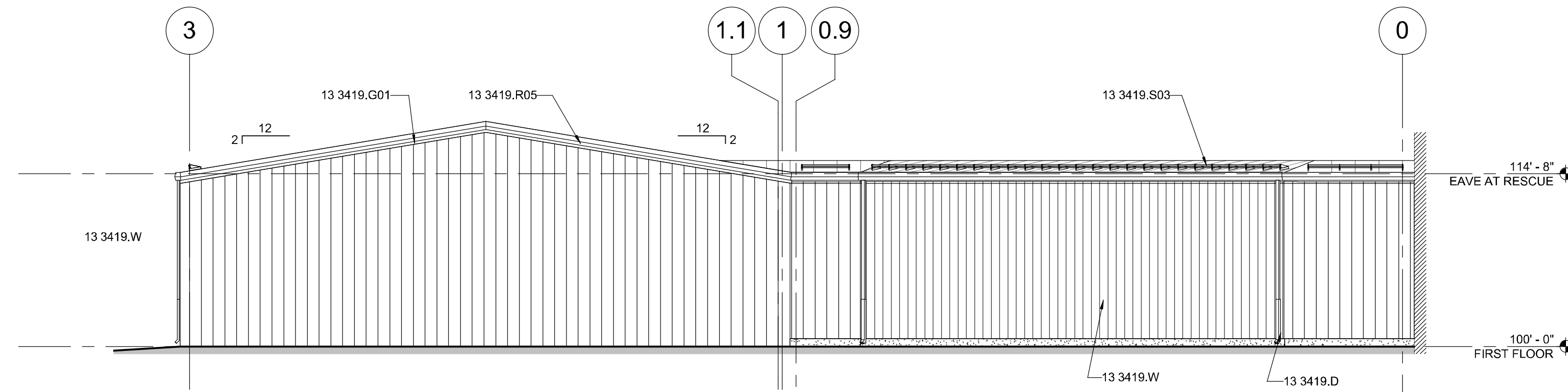
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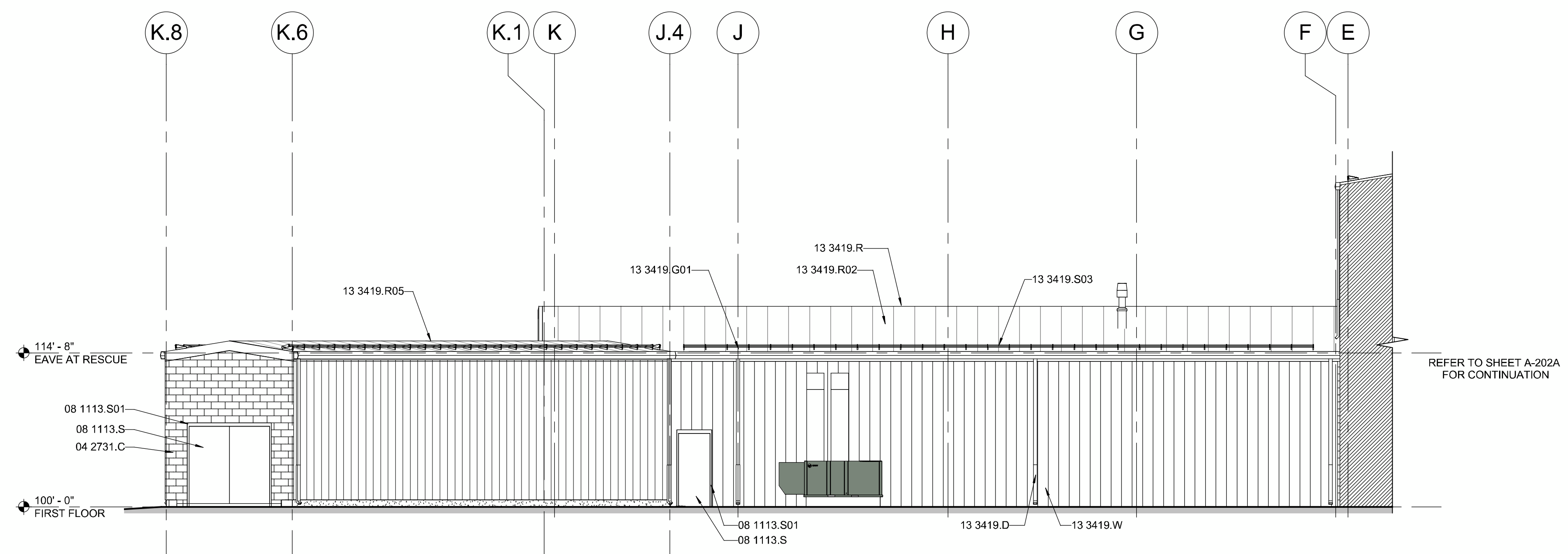
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SHEET TITLE
**EMER/RESQUE
BUILDING -
FLOOR PLAN**

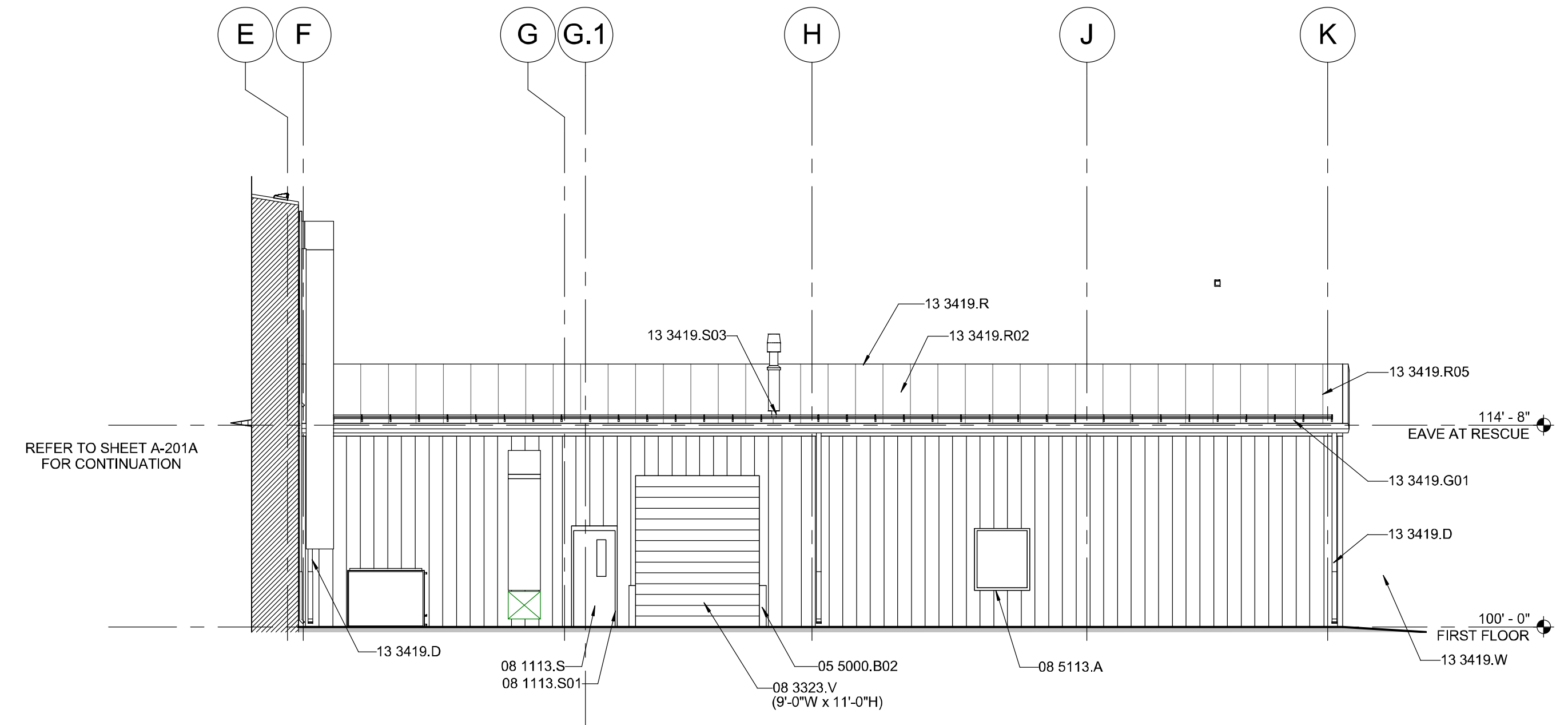
A-101B
SHEET 75 OF 85



F3 NORTH ELEVATION
1/8" = 1'-0"



C3 WEST ELEVATION
1/8" = 1'-0"



A4 EAST ELEVATION
1/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 04 2731.C CONCRETE MASONRY UNITS
- 05 5000.B02 BOLLARD
- 08 1113.S STEEL DOOR
- 08 1113.S01 STEEL FRAME
- 08 3323.V OVERHEAD COILING DOOR
- 08 5113.A ALUMINUM WINDOW
- 13 3419.D DOWNSPOUT
- 13 3419.G01 GUTTER
- 13 3419.R RIDGE CAP
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S03 SNOW GUARD
- 13 3419.W WALL PANEL

SHEET KEYNOTES

LEGEND



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Wilson & Company
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PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
-	12/02/2011	60% DESIGN REVIEW

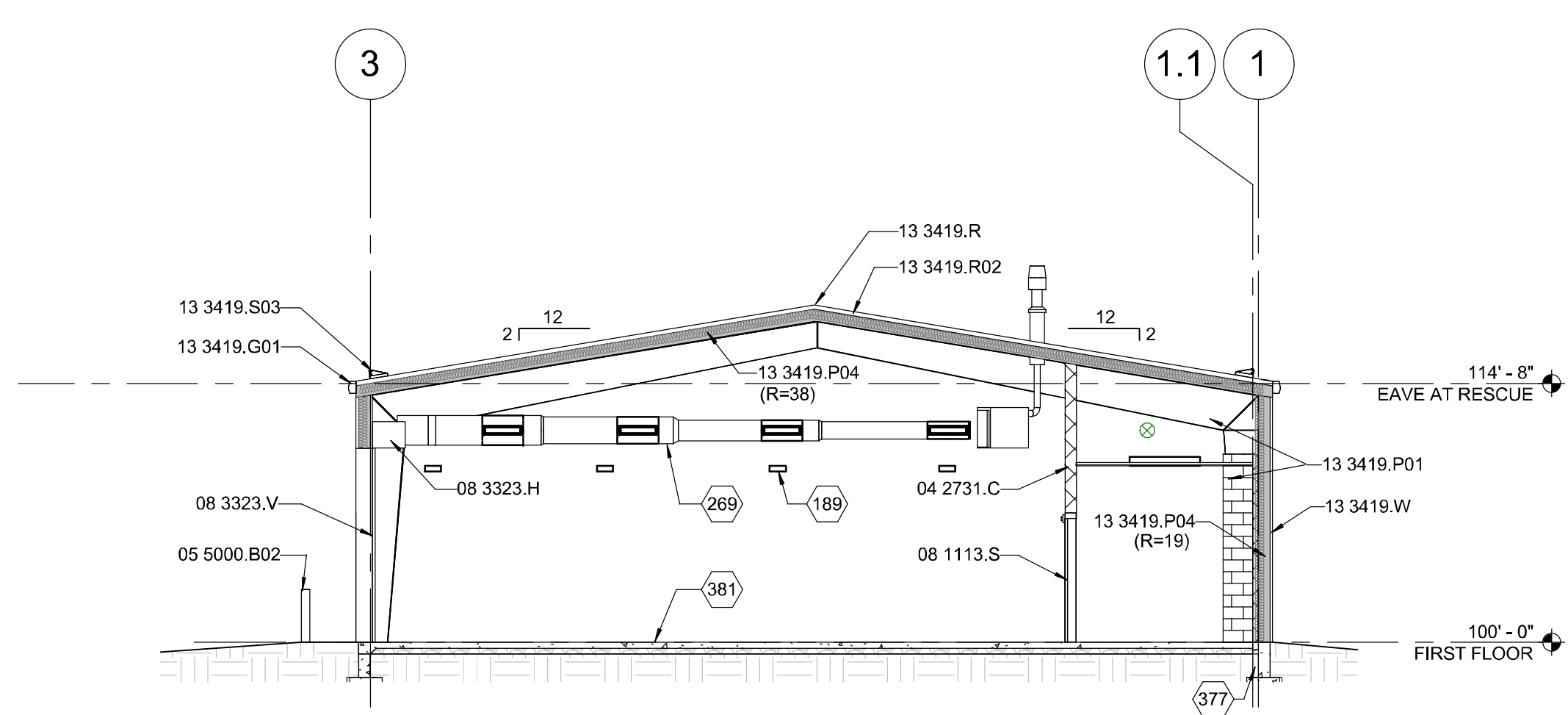
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11-600-019-00

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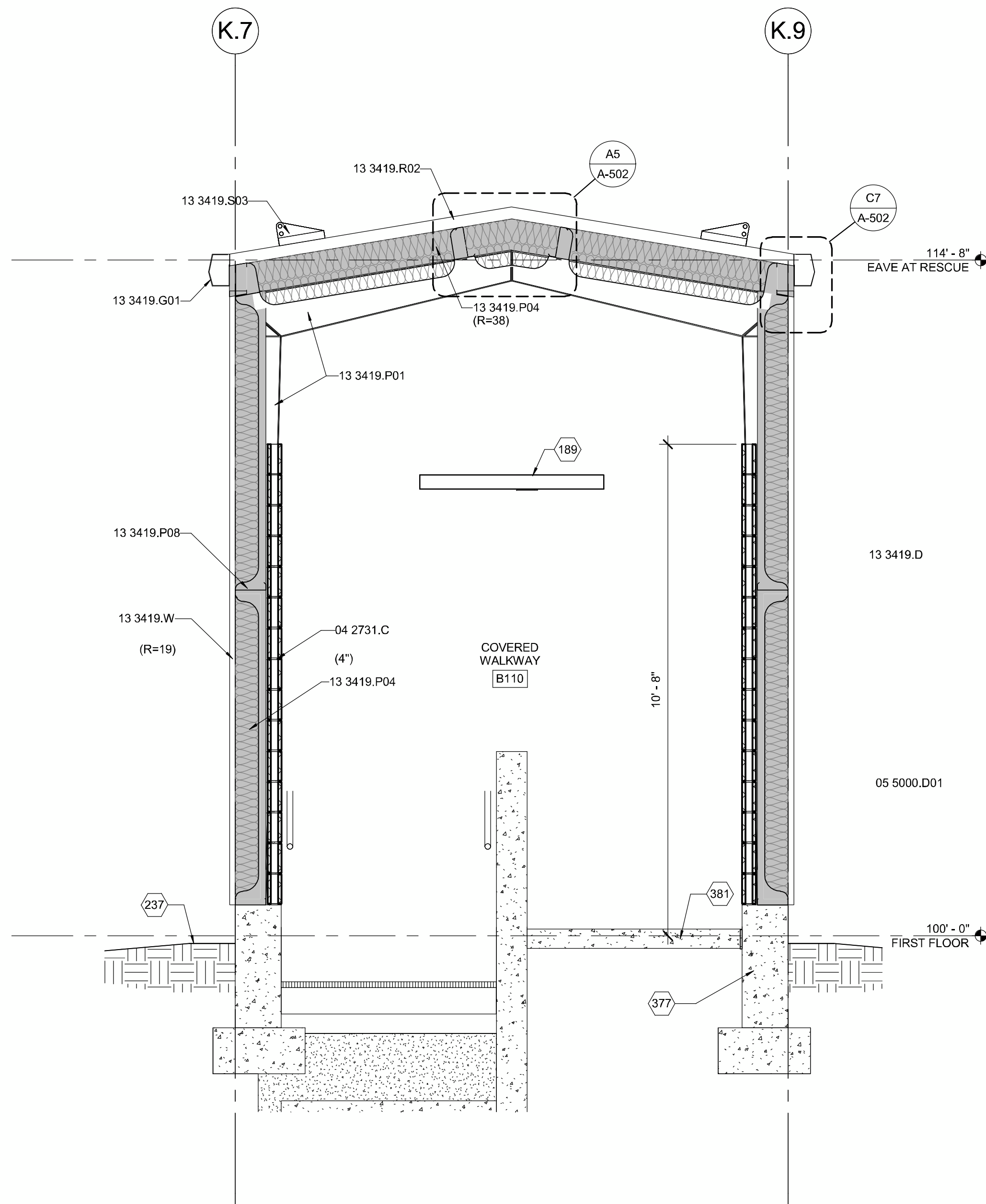
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SHEET TITLE
**EMER/RESCUE
BUILDING -
EXTERIOR
ELEVATIONS**

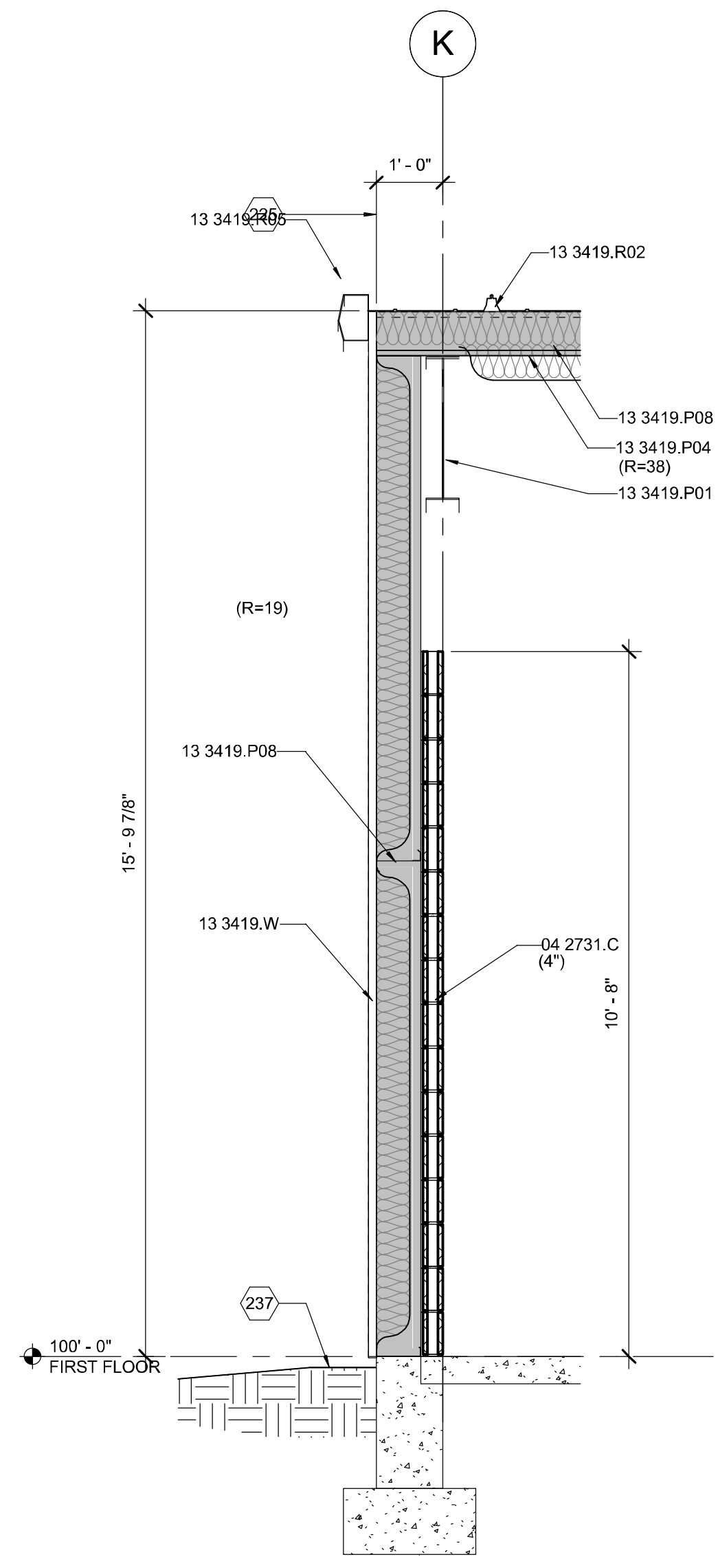
A-201B
SHEET 76 OF 85



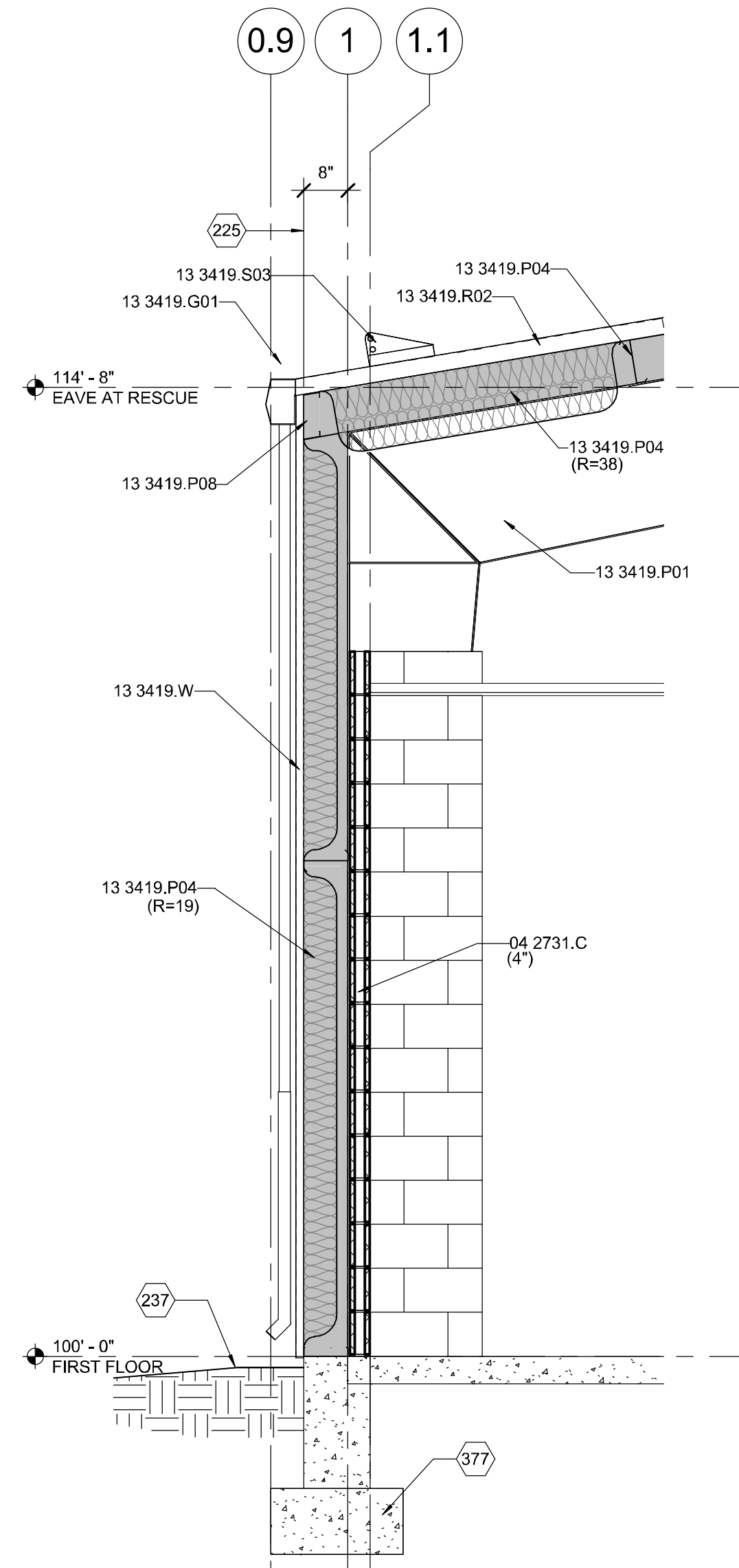
F5 BUILDING SECTION
1/8" = 1'-0"



A1 SECTION AT CONNECTING HALL
1/2" = 1'-0"



A5 WALL SECTION
1/2" = 1'-0"



A7 WALL SECTION
1/2" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 04 2731.C CONCRETE MASONRY UNITS
- 05 5000.B02 BOLLARD
- 08 1113.S STEEL DOOR
- 08 3323.H HOOD ENCLOSURE
- 08 3323.V OVERHEAD COILING DOOR
- 13 3419.G01 GUTTER
- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 13 3419.P04 PRE-ENGINEERED BUILDING INSULATION
- 13 3419.P08 PRE-ENGINEERED BUILDING SECONDARY FRAMING
- 13 3419.R RIDGE CAP
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S03 SNOW GUARD
- 13 3419.W WALL PANEL
- 189 ELECTRICAL LIGHT FIXTURE.
- 225 FACE OF GIRT.
- 237 FINISH GRADE.

SHEET KEYNOTES

- 269 MECHANICAL DUCTWORK.
- 377 STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
- 381 STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.

LEGEND

RHR
ROCA HONDA RESOURCES, LLC.
Roca Honda Resources, LLC.
4001 Office Court Drive Suite 102
Santa Fe, NM 87507

WILSON & COMPANY
4900 Lang Avenue, Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

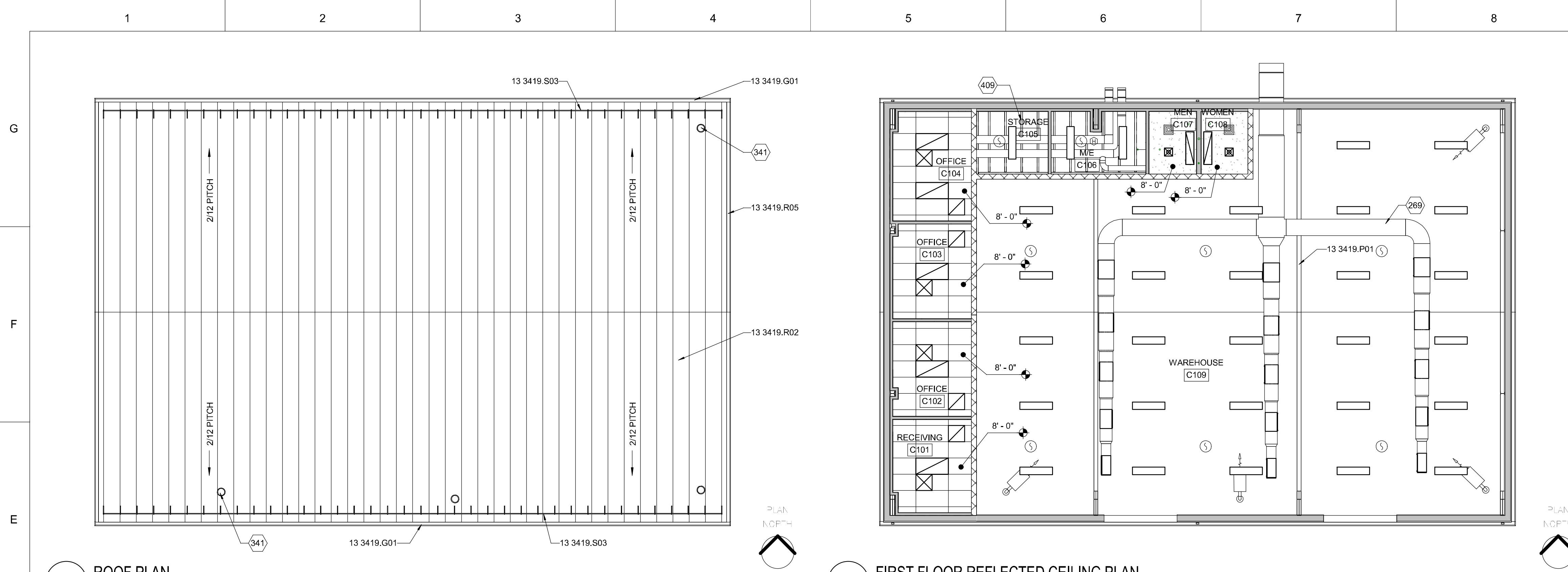
PROJECT NO:
11-600-019-00

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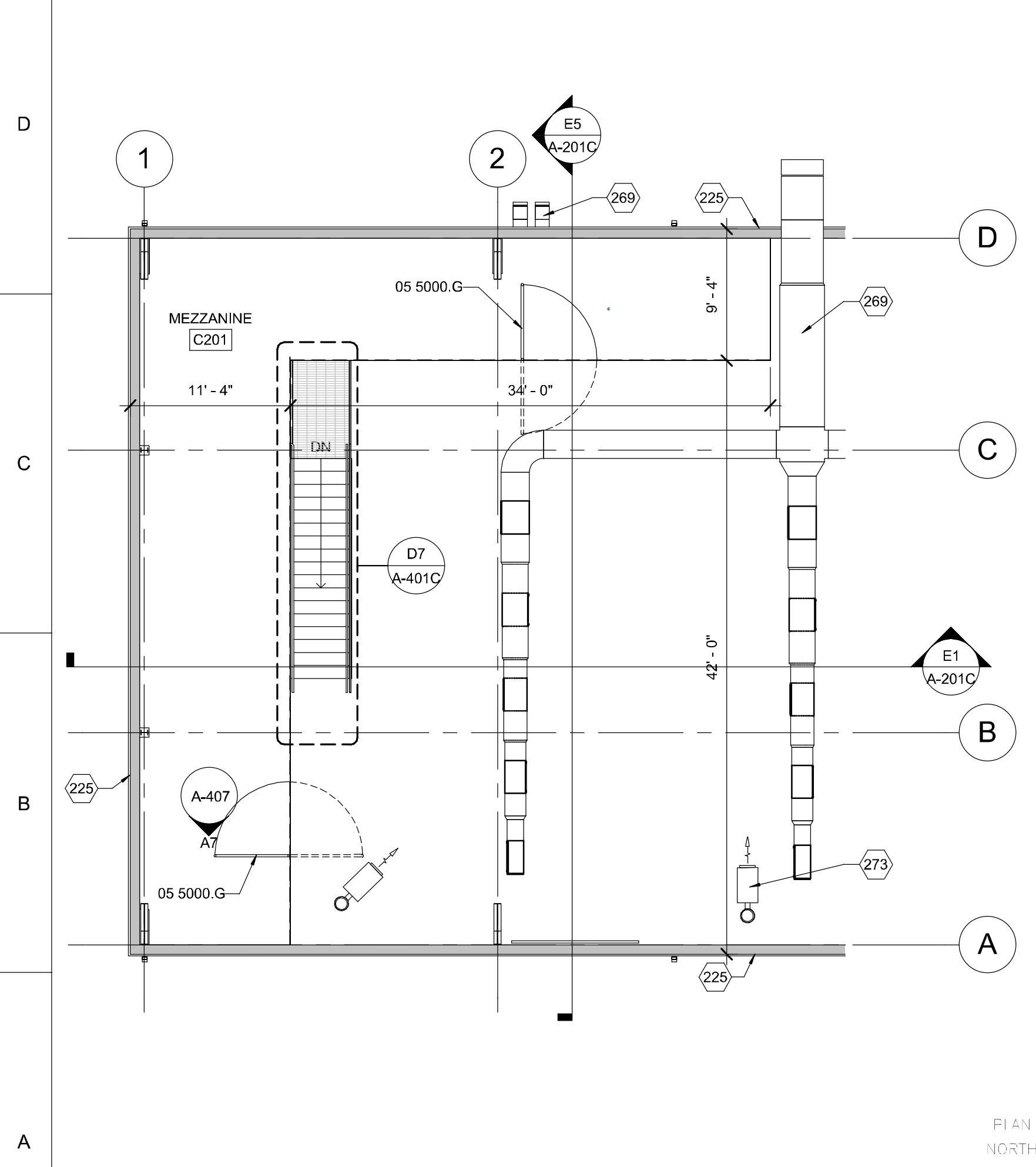
SHEET TITLE
**EMER/RESCUE
BUILDING -
SECTIONS**

A-301B
SHEET 77 OF 85

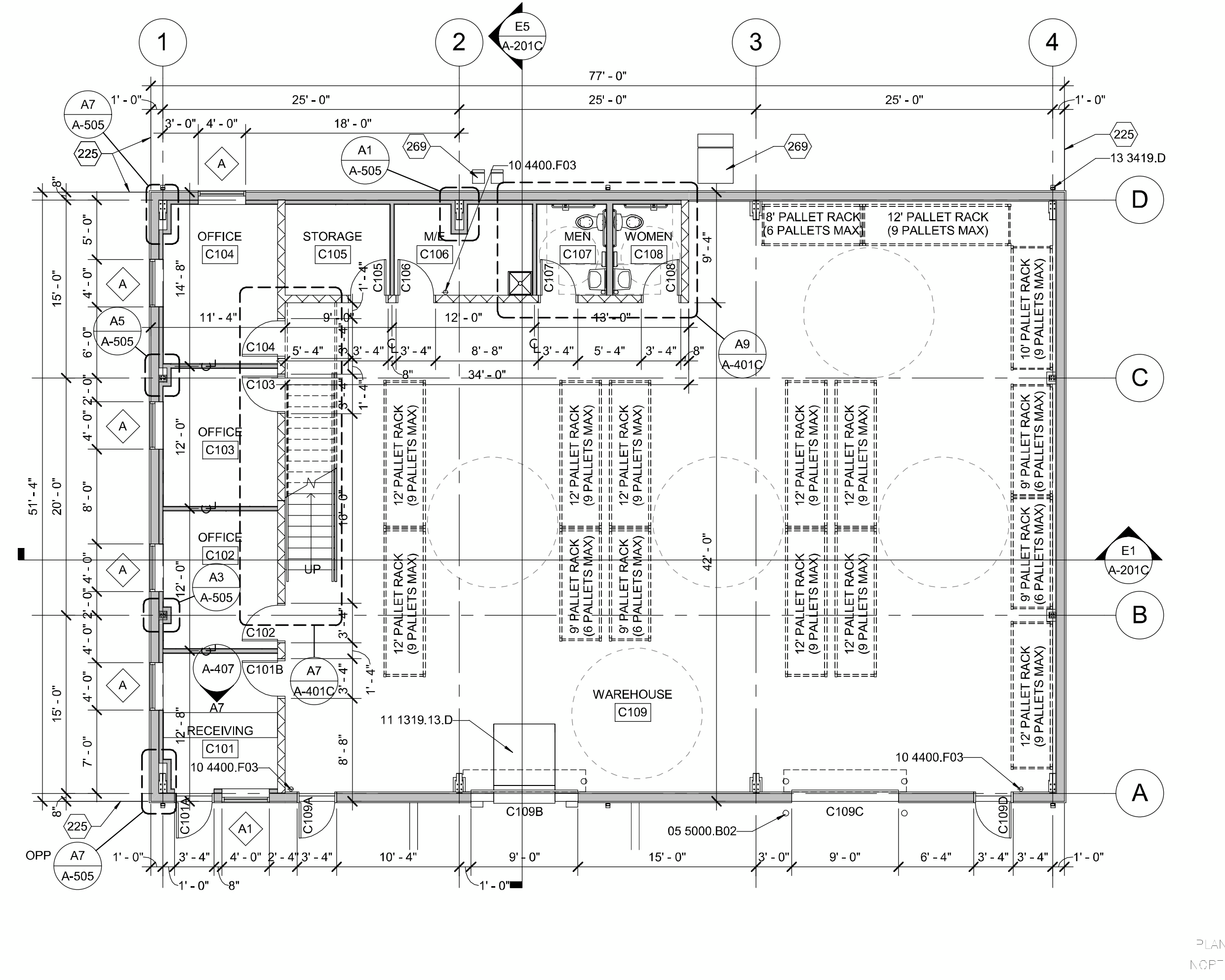


E1 ROOF PLAN
1/8" = 1'-0"

E5 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



A1 MEZZANINE FLOOR PLAN
1/8" = 1'-0"



A4 FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 05 5000.B02 BOLLARD
- 05 5000.G GATE
- 10 4400.F03 FIRE EXTINGUISHER
- 11 1319.13.D DOCK LEVELER
- 13 3419.D DOWNSPOUT
- 13 3419.G01 GUTTER
- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S03 SNOW GUARD

SHEET KEYNOTES

- 225 FACE OF GIRT.
- 269 MECHANICAL DUCTWORK.
- 273 MECHANICAL HVAC UNIT.
- 341 PLUMBING VENT.
- 409 STRUCTURAL JOIST.

LEGEND

- DOOR TYPE - SEE DOOR SCHEDULE
- PARTITION TYPE - SEE PARTITION SCHEDULE
- DENOTES CEILING / SOFFIT / BULKHEAD HEIGHT ABOVE FINISHED FLOOR
- 2' x 4' ACP - SEE FINISH SCHEDULE
- GYPSUM BOARD - SEE FINISH SCHEDULE
- OPEN TO STRUCTURE
- RECESSED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- RECESSED EMERGENCY FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- SURFACE MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- SUSPENDED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL
- CEILING MOUNTED EXIT SIGN - SEE ELECTRICAL
- WALL MOUNTED EXIT SIGN - SEE ELECTRICAL
- FIRE ALARM STROBE - SEE ELECTRICAL
- FIRE ALARM HORN STROBE - SEE ELECTRICAL
- SMOKE DETECTOR - SEE ELECTRICAL
- RECESSED SUPPLY AIR - SEE MECHANICAL
- RECESSED RETURN AIR - SEE MECHANICAL
- RECESSED EXHAUST FAN - SEE MECHANICAL



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PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00

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SHEET TITLE
**WAREHOUSE
BUILDING -
PLANS**

A-101C

GENERAL SHEET NOTES



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Phone: (505) 348-4000

REFERENCE KEYNOTES

- 03 3000.C CAST-IN-PLACE CONCRETE
- 04 2731.C CONCRETE MASONRY UNITS
- 05 5000.B02 BOLLARD
- 05 5000.D01 DOWNSPOUT PIPE BOOT
- 05 5000.F FENCE
- 05 5000.G GATE
- 05 5100.M METAL STAIRS
- 05 5100.M08 METAL STAIR RAILING
- 08 1113.S STEEL DOOR
- 08 1416.F FLUSH WOOD DOOR
- 08 3323.V OVERHEAD COILING DOOR
- 08 5113.A ALUMINUM WINDOW
- 09 2116.M METAL STUD
- 10 5613.S STORAGE SHELVING
- 11 1319.13.D DOCK LEVELER
- 11 1319.13.D01 DOCK BUMPER
- 13 3419.D DOWNSPOUT
- 13 3419.G01 GUTTER
- 13 3419.L01 LINER PANEL
- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 13 3419.P02 PRE-ENGINEERED BUILDING COLUMN
- 13 3419.P04 PRE-ENGINEERED BUILDING INSULATION
- 13 3419.P05 PURLIN
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S03 SNOW GUARD
- 13 3419.W WALL PANEL
- 32 1313.C CONCRETE PAVING
- 32 3113.C CHAIN LINK FENCE

SHEET KEYNOTES

- 189 ELECTRICAL LIGHT FIXTURE.
- 269 MECHANICAL DUCTWORK.
- 273 MECHANICAL HVAC UNIT.
- 335 PLUMBING PIPING.
- 377 STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.

SEAL

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

60% DESIGN REVIEW
DESCRIPTION

12/02/2011
DATE

PROJECT NO:
11-600-019-00

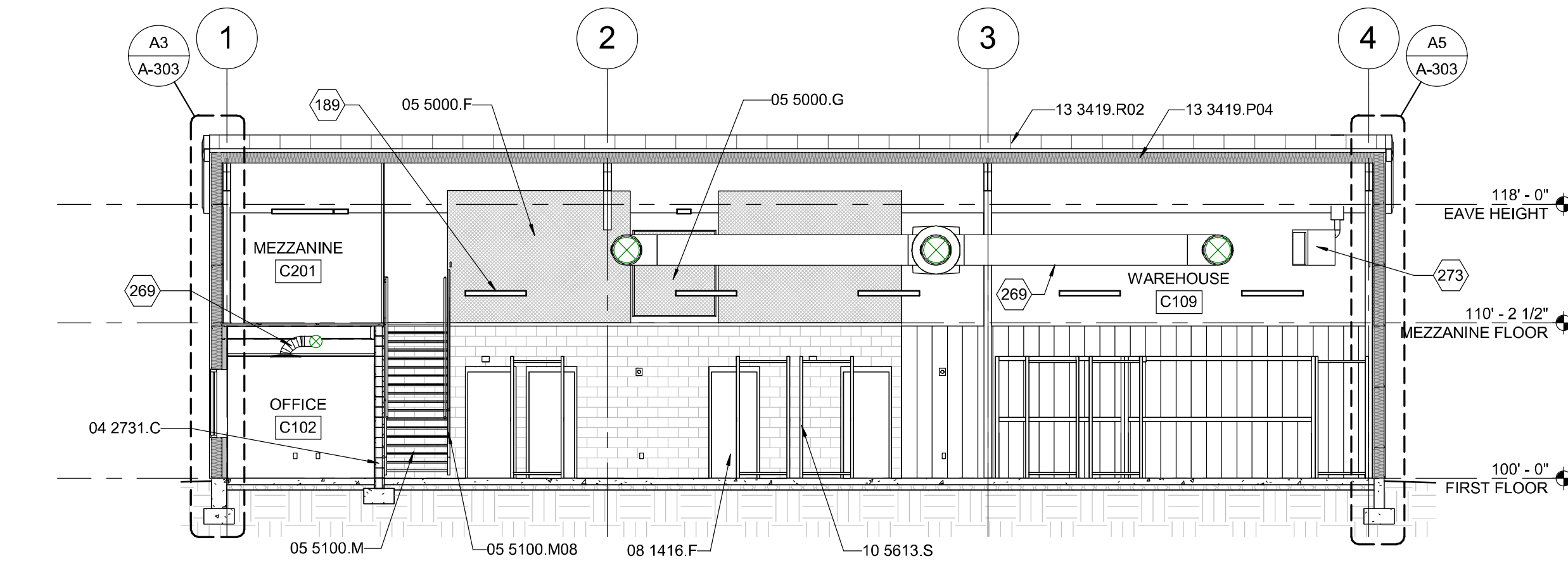
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SHEET TITLE
WAREHOUSE
BUILDING -
EXTERIOR
ELEVATIONS &
SECTIONS

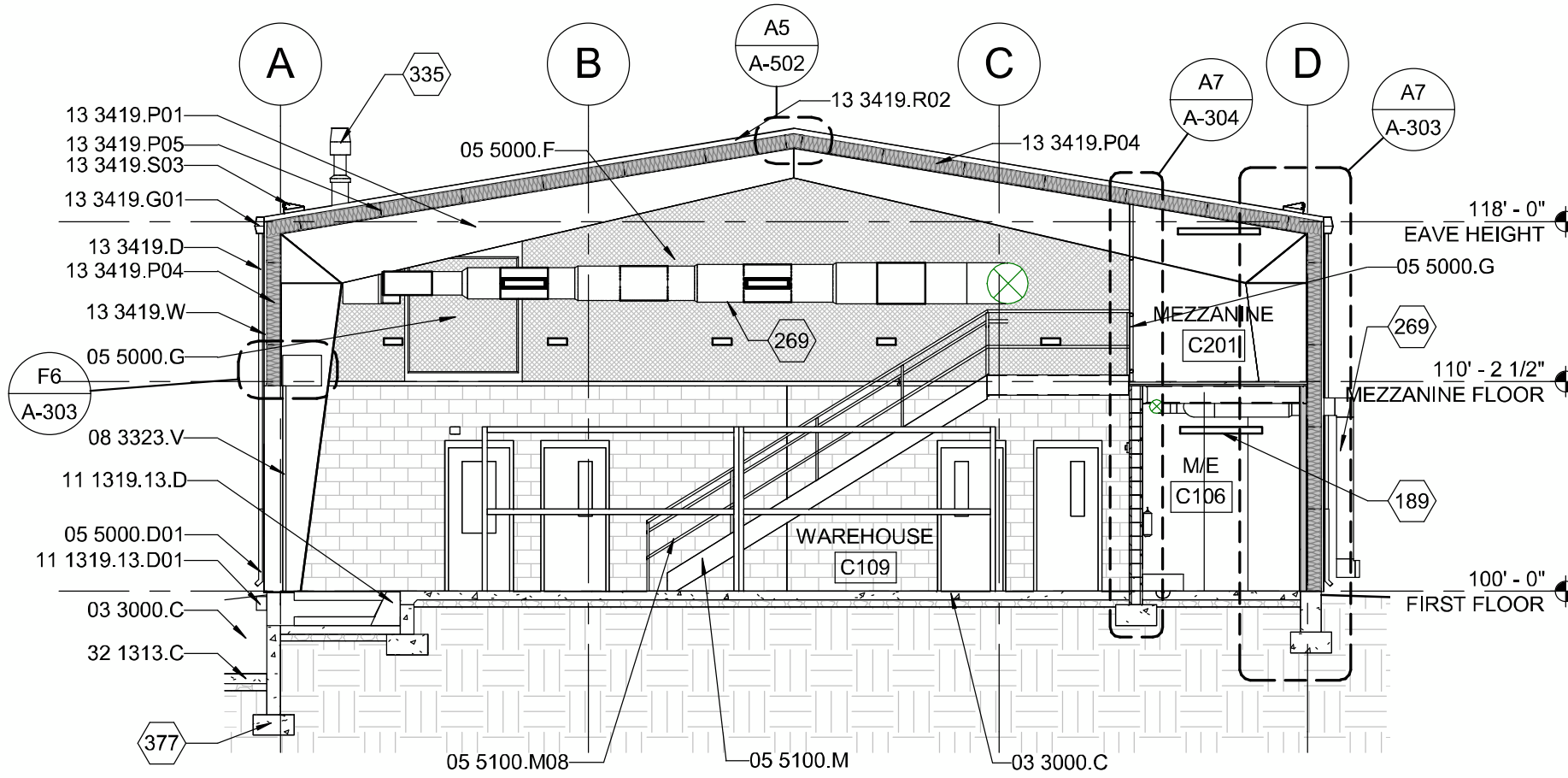
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SHEET 79 OF 85



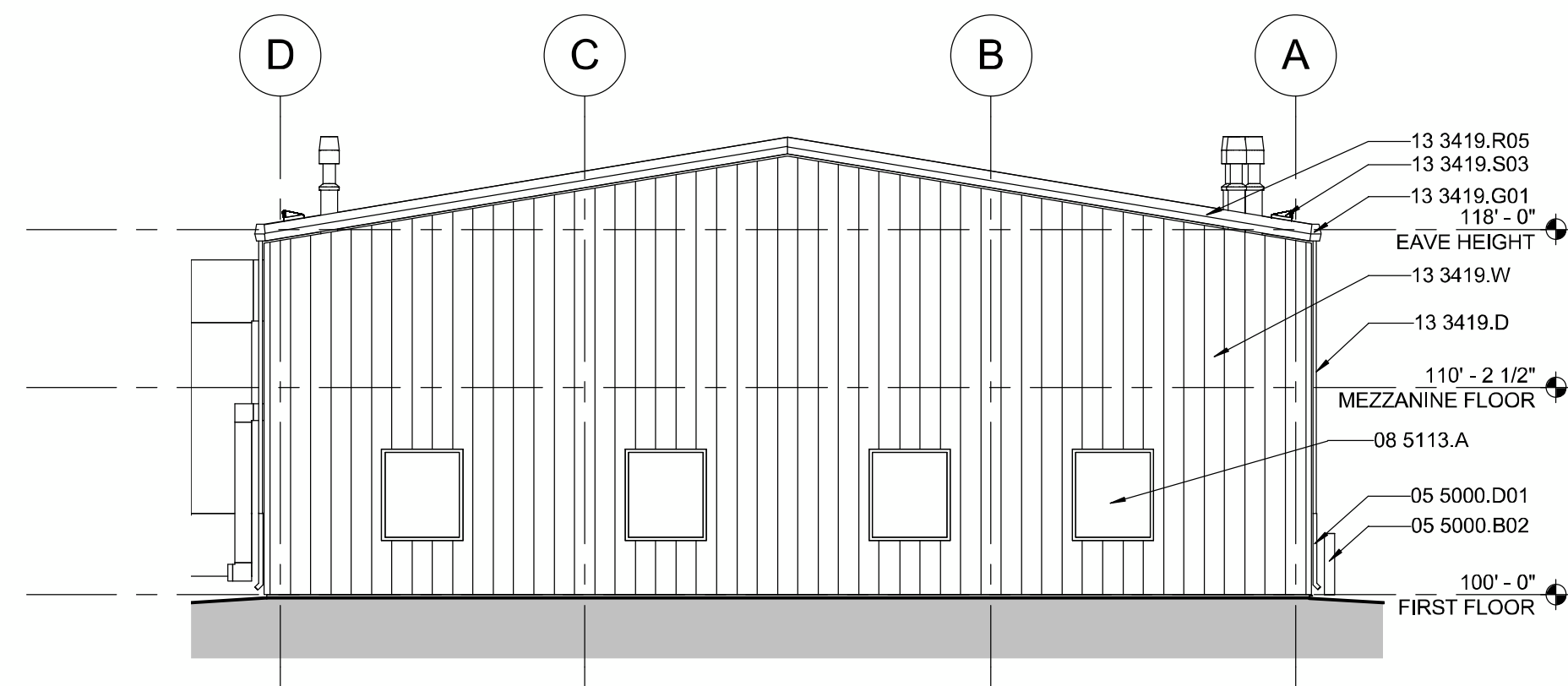
E1 BUILDING SECTION

1/8" = 1'-0"



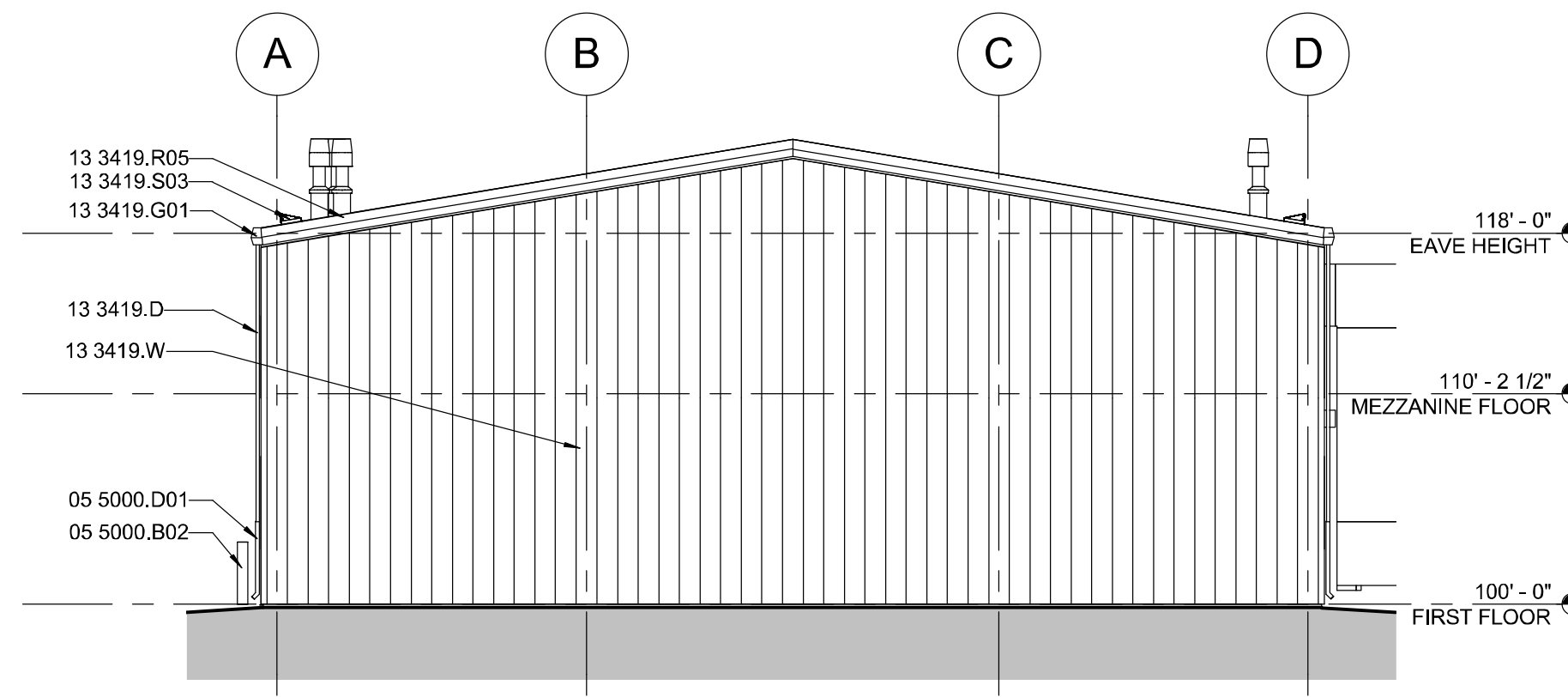
E5 BUILDING SECTION

1/8" = 1'-0"



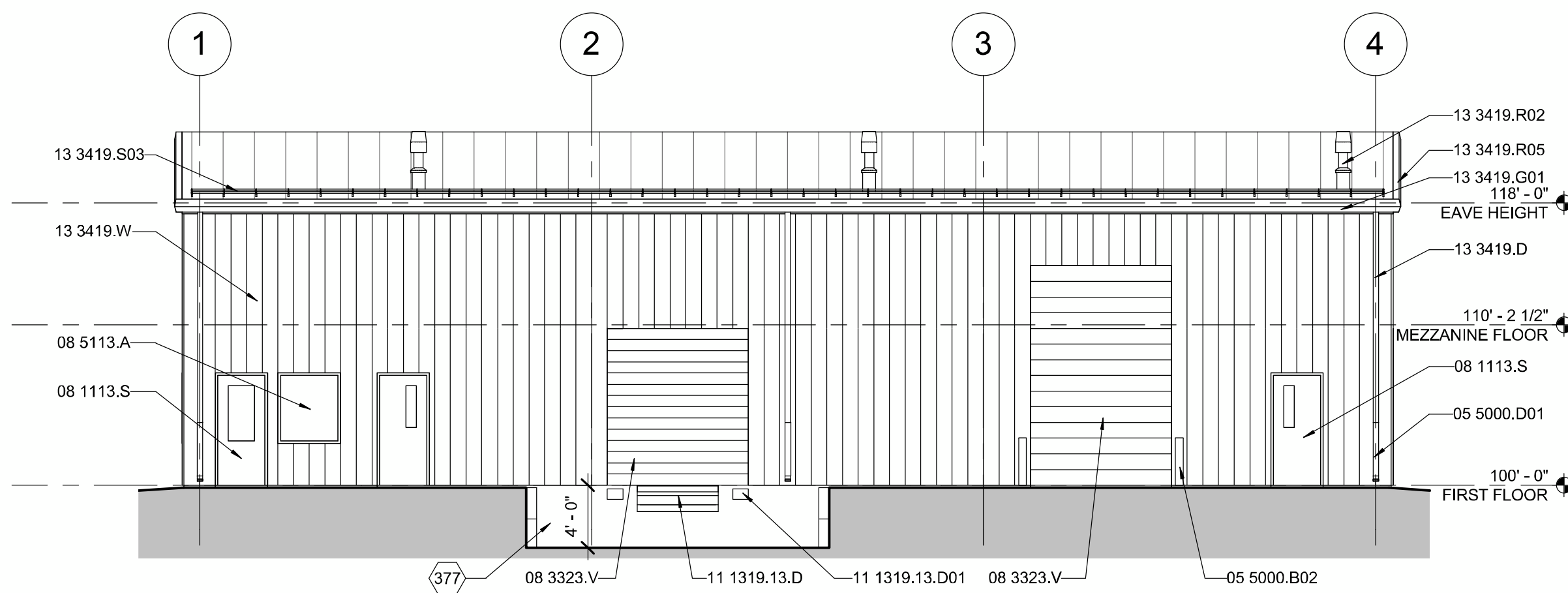
C1 WEST ELEVATION

1/8" = 1'-0"



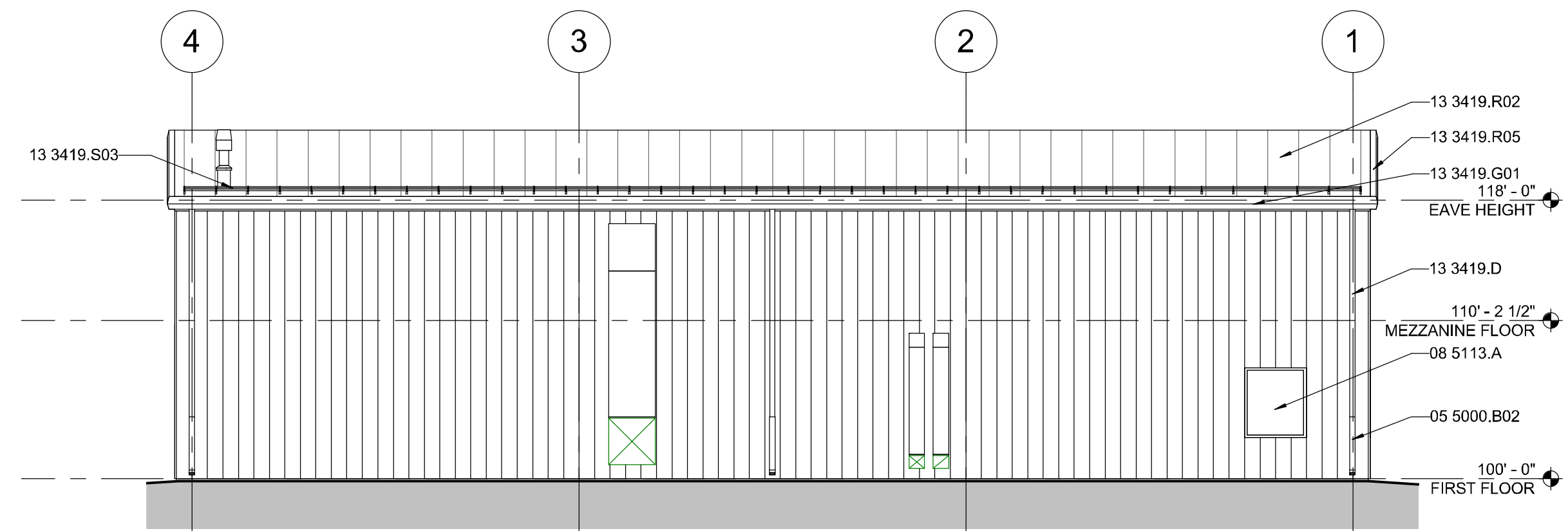
C5 EAST ELEVATION

1/8" = 1'-0"



A1 SOUTH ELEVATION

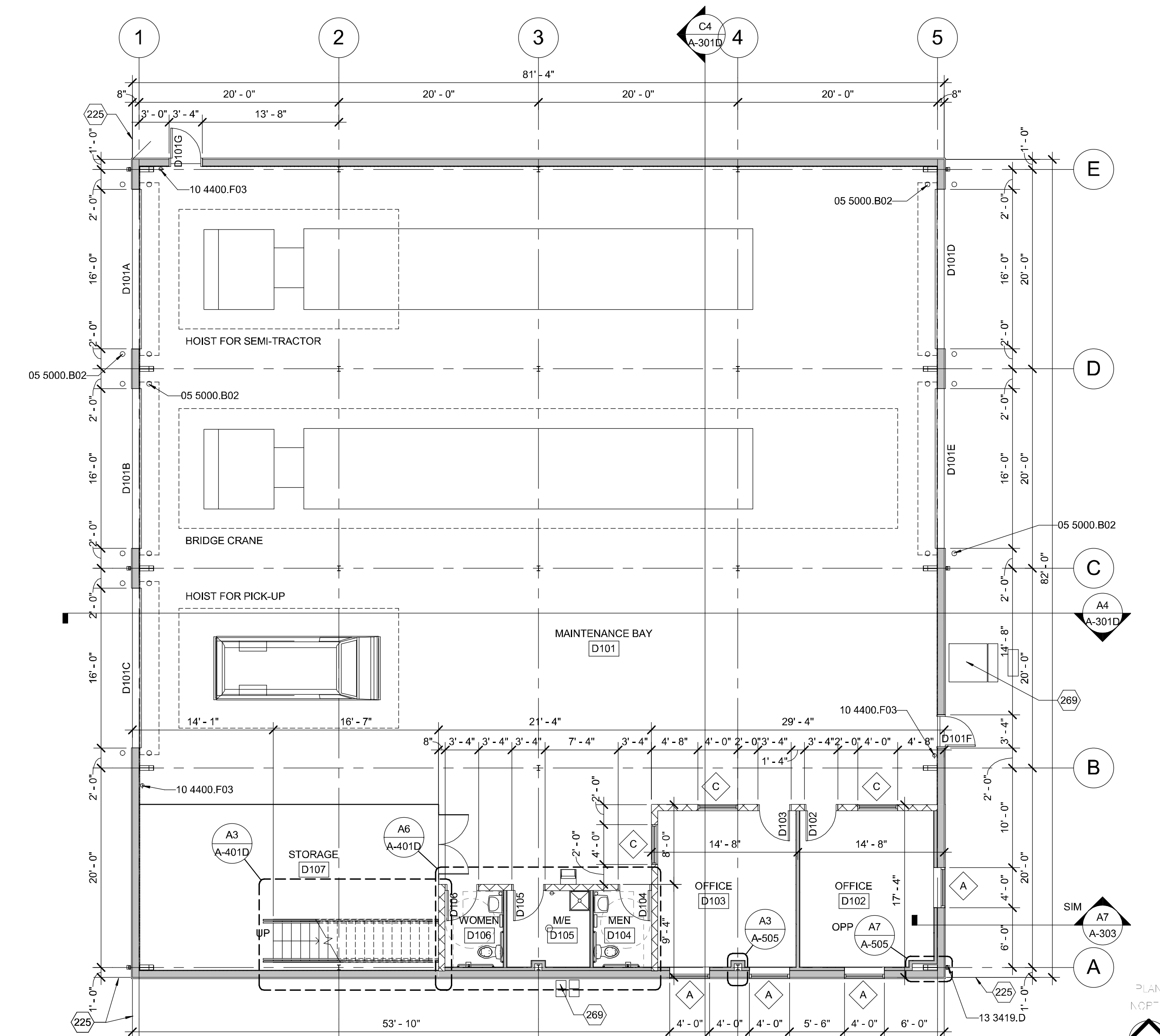
1/8" = 1'-0"



A6 NORTH ELEVATION

1/8" = 1'-0"

E4 MEZZANINE FLOOR PLAN
1/8" = 1'-0"



A4 FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 05 5000.B02 BOLLARD
- 10 4400.F03 FIRE EXTINGUISHER
- 13 3419.D DOWNSPOUT

SHEET KEYNOTES

- 225 FACE OF GIRT.
- 269 MECHANICAL DUCTWORK.

LEGEND

- DOOR TYPE - SEE DOOR SCHEDULE
- PARTITION TYPE - SEE PARTITION SCHEDULE
- FIRE EXTINGUISHER - CABINET
- FIRE EXTINGUISHER - WALL MOUNTED

RHR
ROCA HONDA RESOURCES LLC

WILSON & COMPANY
4900 Lang Avenue, Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

SEAL

PROJECT NAME:
**ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT**

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

PROJECT NO:
11-600-019-00

DRAWN BY ASB

CHECKED BY TR

SHEET TITLE
**MAINTENANCE
SHOP BLDG -
FLOOR PLANS**

A-101D

SHEET 80 OF 85

11/16/2011 2:03:33 PM

GENERAL SHEET NOTES



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Santa Fe, NM 87507



4900 Lang Avenue, Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

REFERENCE KEYNOTES

- | | |
|-------------|-----------------------|
| 05 5000.B02 | BOLLARD |
| 05 5000.D01 | DOWNSPOUT PIPE BOOT |
| 08 1113.S | STEEL DOOR |
| 08 3323.V | OVERHEAD COILING DOOR |
| 08 5113.A | ALUMINUM WINDOW |
| 13 3419.D | DOWNSPOUT |
| 13 3419.G01 | GUTTER |
| 13 3419.R02 | ROOF PANEL |
| 13 3419.R05 | RAKE TRIM |
| 13 3419.S03 | SNOW GUARD |
| 13 3419.W | WALL PANEL |

SHEET KEYNOTES

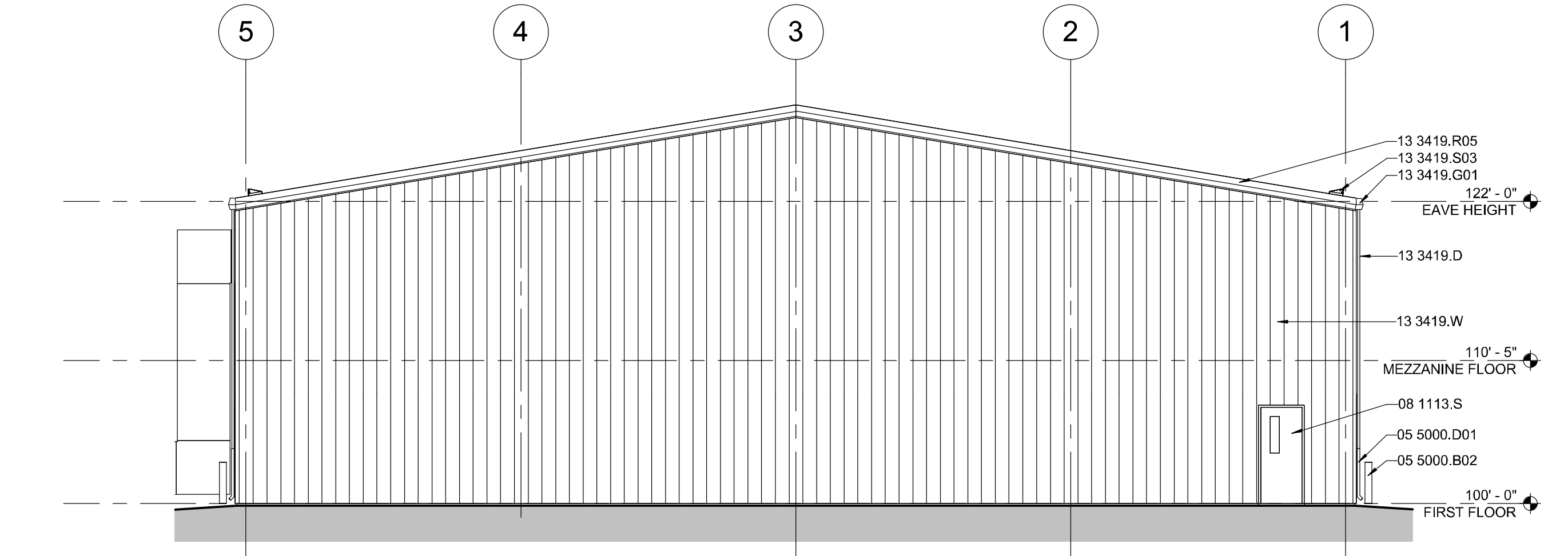
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PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

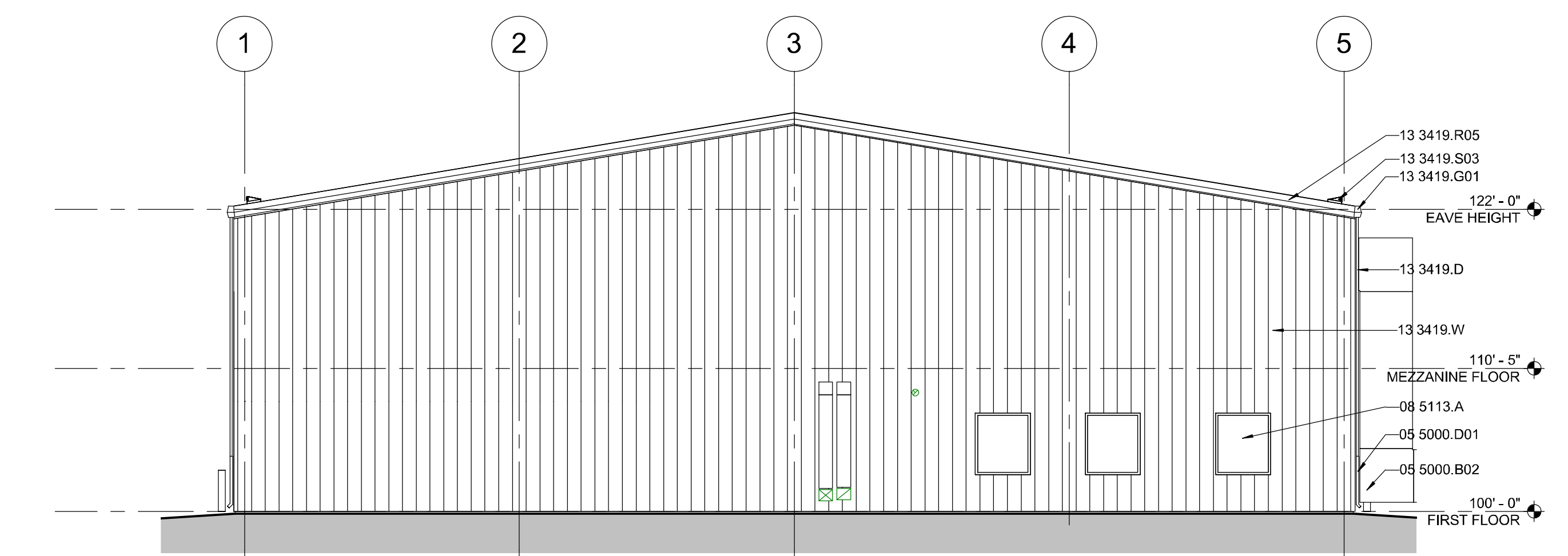
MARK	DATE	60% DESIGN REVIEW	DESCRIPTION
	12/02/2011		

PROJECT NO:
11-600-019-00
DRAWN BY ASB
CHECKED BY TR
SHEET TITLE
MAINTENANCE
SHOP BLDG -
EXTERIOR
ELEVATIONS

A-201D
SHEET 81 OF 85



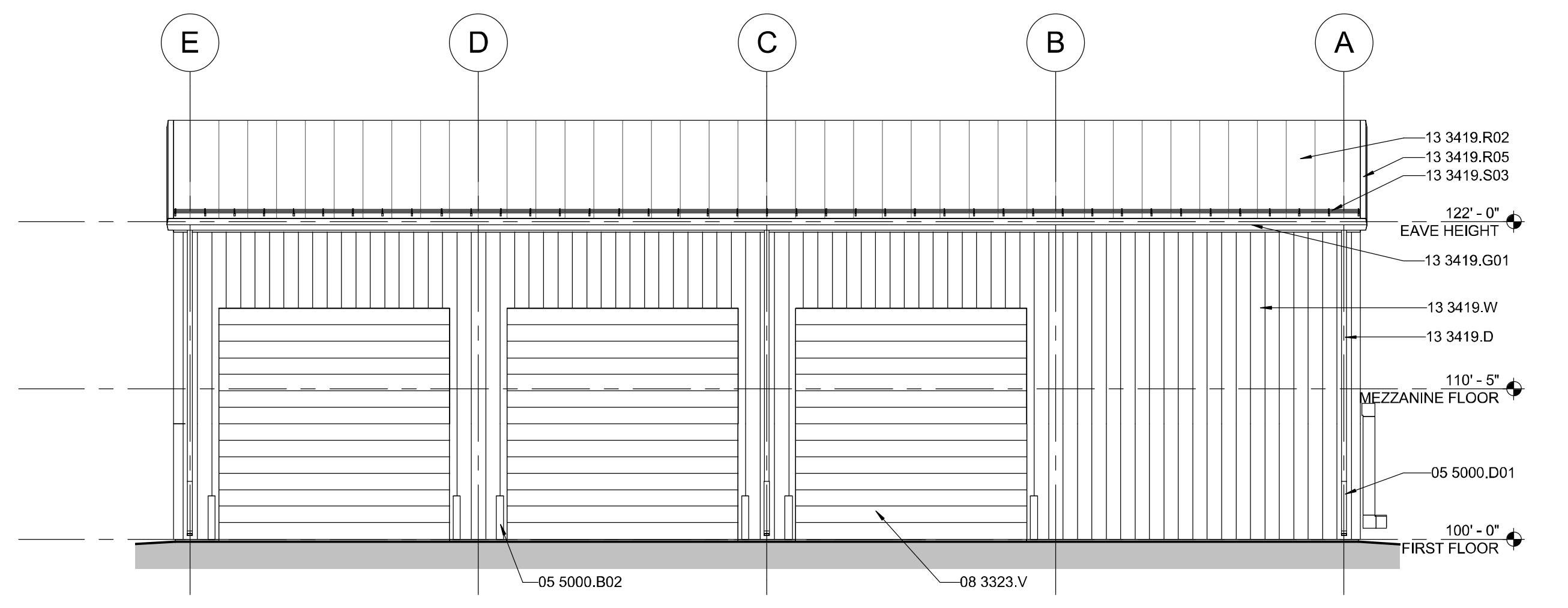
E4 NORTH ELEVATION
1/8" = 1'-0"



C4 SOUTH ELEVATION
1/8" = 1'-0"



A1 EAST ELEVATION
1/8" = 1'-0"



A6 WEST ELEVATION
1/8" = 1'-0"

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GENERAL SHEET NOTES



Roca Honda Resources, LLC
4001 Office Court Drive Suite 102
Santa Fe, NM 87507



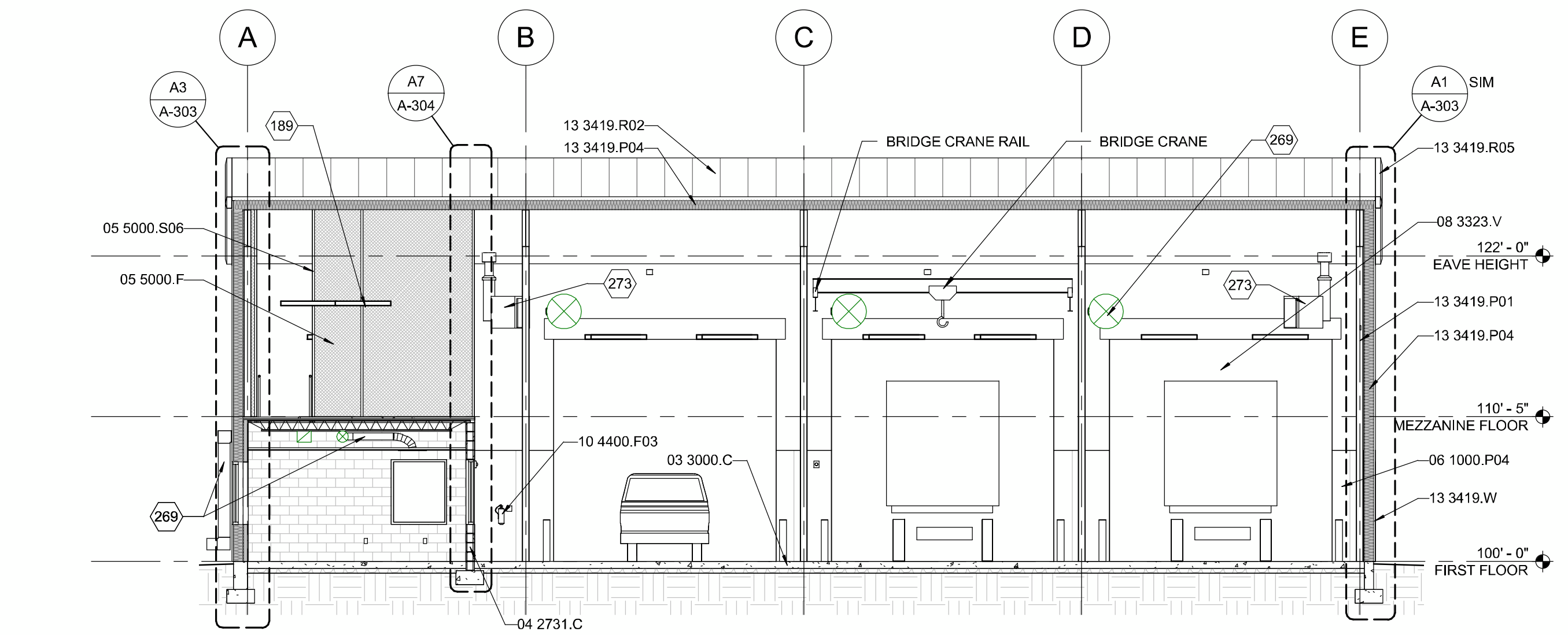
4900 Lang Avenue, Ne
Albuquerque, NM 87109
Phone: (505) 348-4000

REFERENCE KEYNOTES

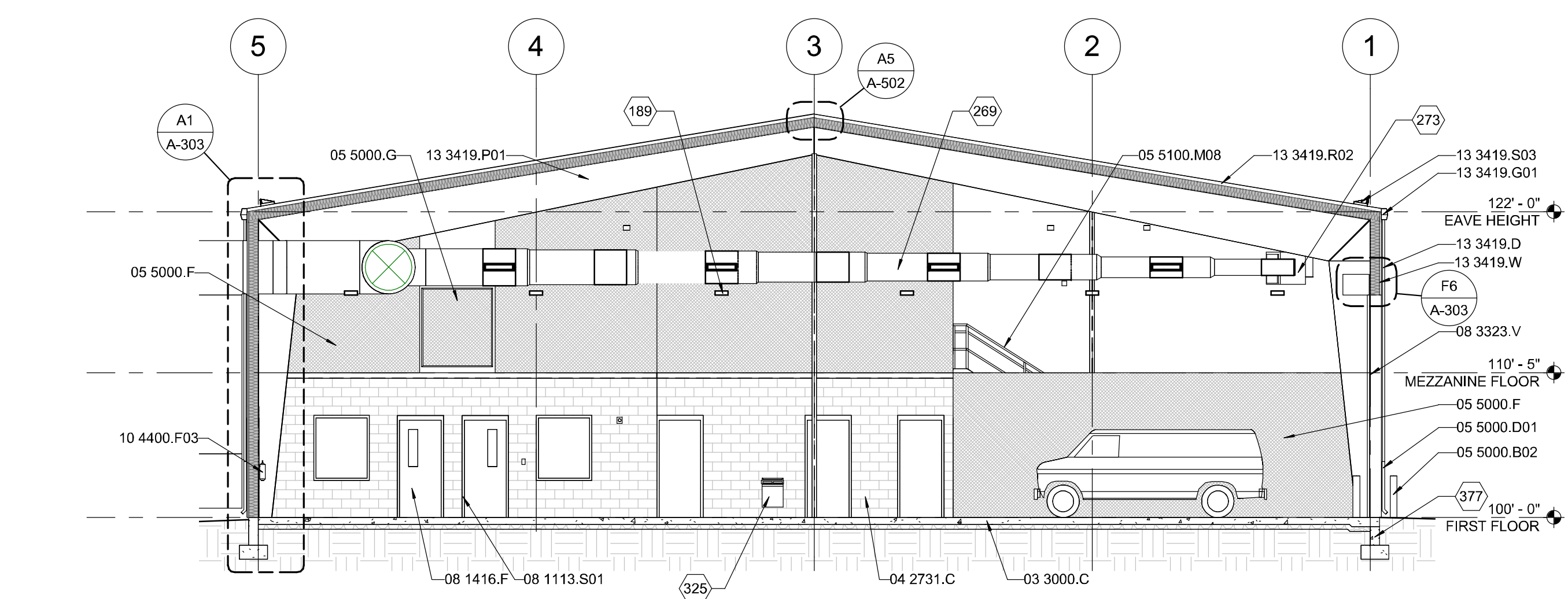
- | | |
|-------------|------------------------------------|
| 03 3000.C | CAST-IN-PLACE CONCRETE |
| 04 2731.C | CONCRETE MASONRY UNITS |
| 05 5000.B02 | BOLLARD |
| 05 5000.D01 | DOWNSPOUT PIPE BOOT |
| 05 5000.F | FENCE |
| 05 5000.G | GATE |
| 05 5000.S06 | STEEL PIPE |
| 05 5100.M08 | METAL STAIR RAILING |
| 06 1000.P04 | PLYWOOD |
| 08 1113.S01 | STEEL FRAME |
| 08 1416.F | FLUSH WOOD DOOR |
| 08 3323.V | OVERHEAD COILING DOOR |
| 10 4400.F03 | FIRE EXTINGUISHER |
| 13 3419.D | DOWNSPOUT |
| 13 3419.G01 | GUTTER |
| 13 3419.P01 | PRE-ENGINEERED BUILDING FRAME |
| 13 3419.P04 | PRE-ENGINEERED BUILDING INSULATION |
| 13 3419.R02 | ROOF PANEL |
| 13 3419.R05 | RAKE TRIM |
| 13 3419.S03 | SNOW GUARD |
| 13 3419.W | WALL PANEL |

SHEET KEYNOTES

- | | |
|-----|---|
| 189 | ELECTRICAL LIGHT FIXTURE. |
| 269 | MECHANICAL DUCTWORK. |
| 273 | MECHANICAL HVAC UNIT. |
| 325 | PLUMBING FIXTURE. |
| 377 | STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION. |



C4 BUILDING SECTION
1/8" = 1'-0"



A4 BUILDING SECTION
1/8" = 1'-0"

SEAL

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

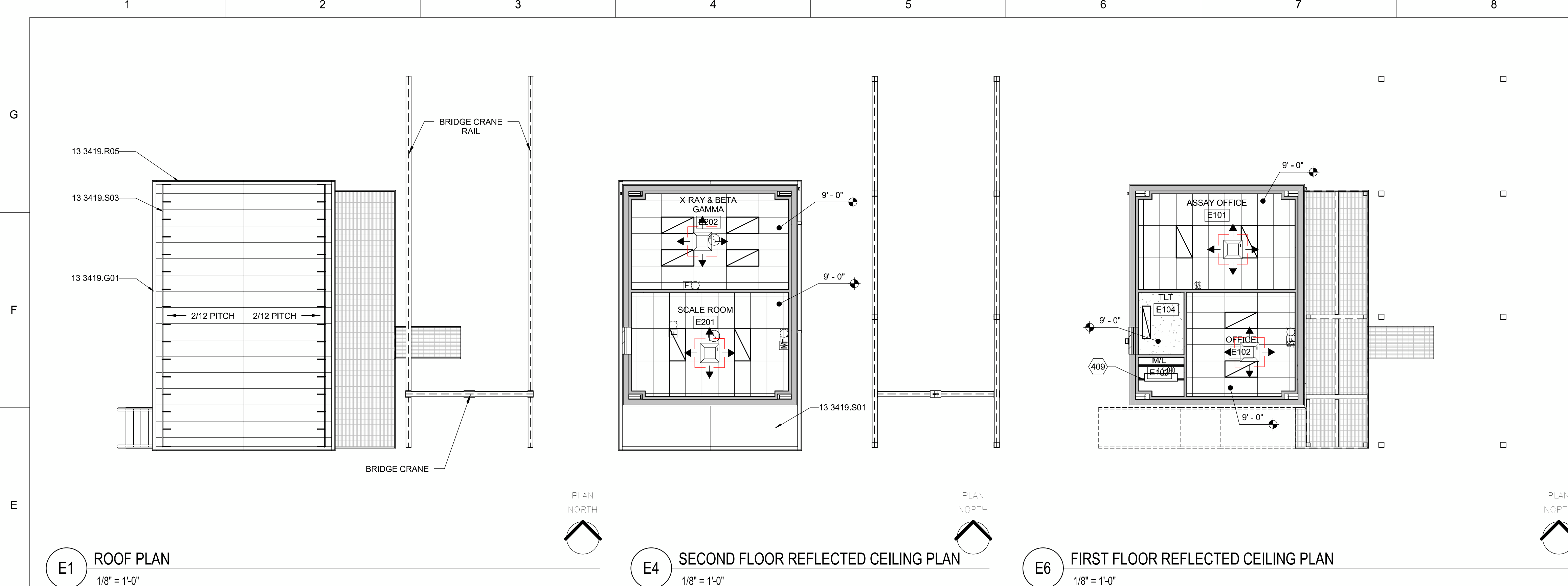
PROJECT NO:
11-600-019-00

DRAWN BY ASB
CHECKED BY TR

SHEET TITLE
MAINTENANCE
SHOP BLDG -
BUILDING
SECTIONS

A-301D
SHEET 82 OF 85

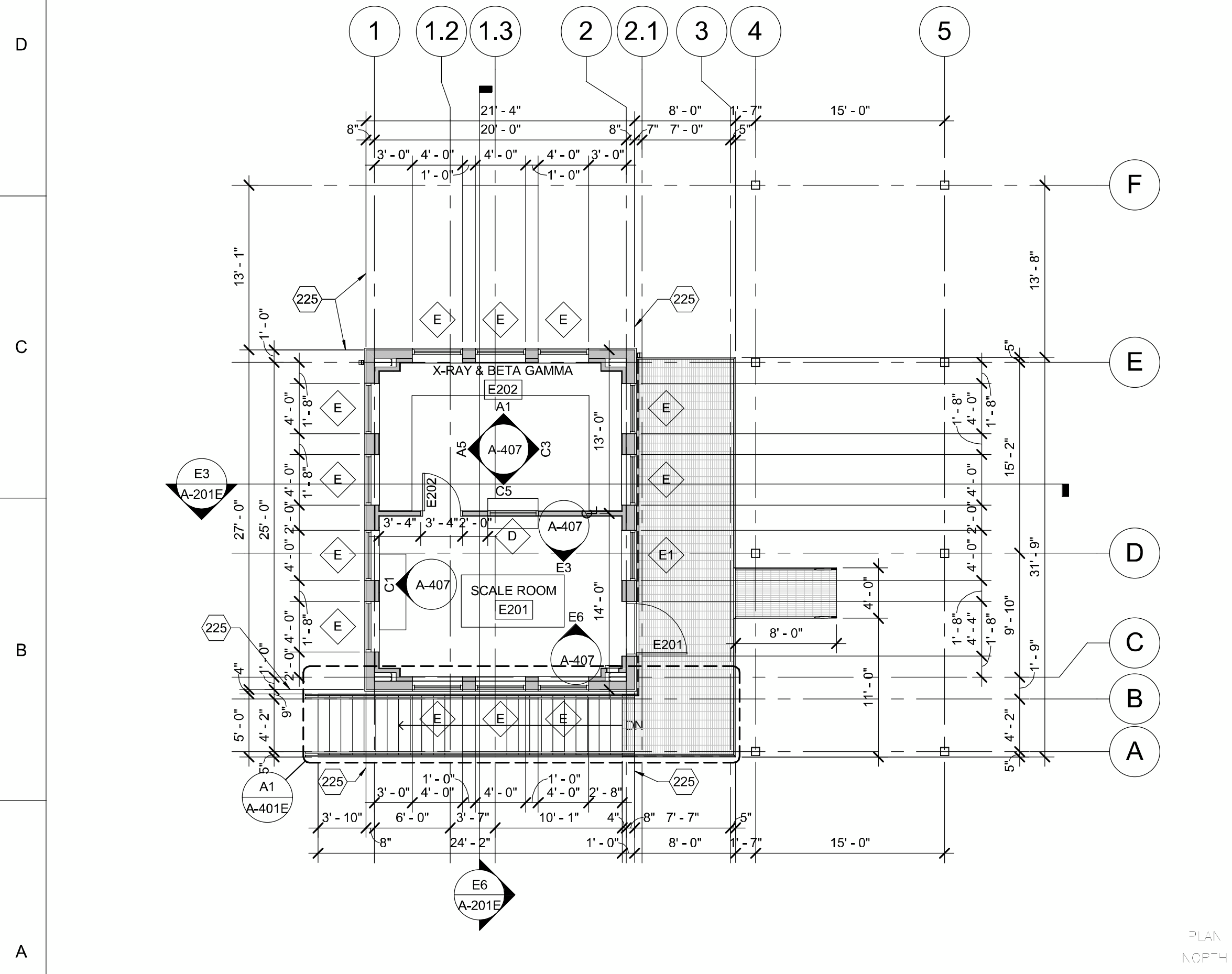
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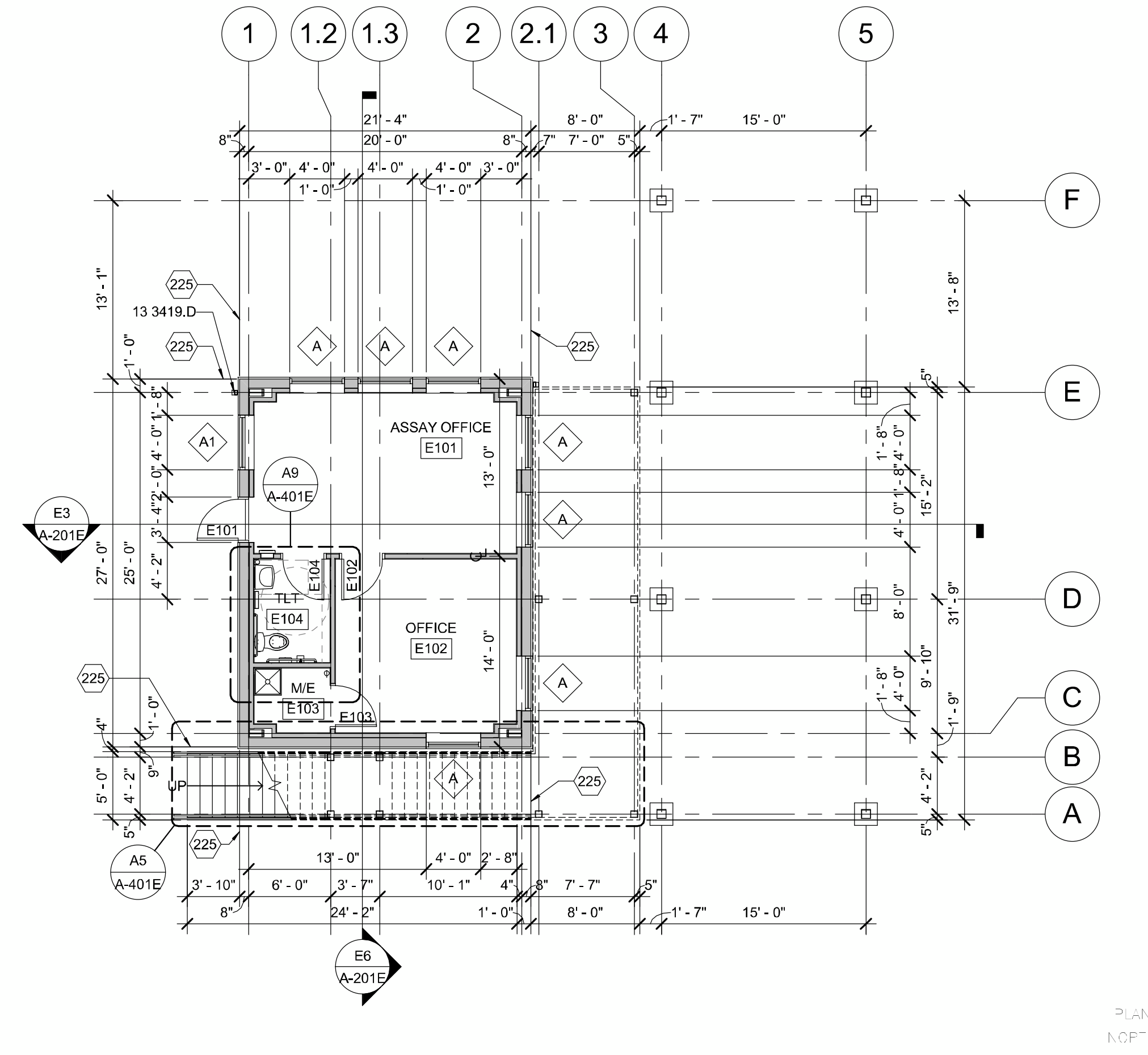
E1 ROOF PLAN
1/8" = 1'-0"

E4 SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

E6 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



A1 SECOND FLOOR PLAN
1/8" = 1'-0"



A5 FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

13 3419.D DOWNSPOUT
 13 3419.G01 GUTTER
 13 3419.R05 RAKE TRIM
 13 3419.S01 SOFFIT PANEL
 13 3419.S03 SNOW GUARD
 225 FACE OF GIRT.

REFERENCE KEYNOTES

13 3419.D DOWNSPOUT
 13 3419.G01 GUTTER
 13 3419.R05 RAKE TRIM
 13 3419.S01 SOFFIT PANEL
 13 3419.S03 SNOW GUARD
 225 FACE OF GIRT.

SHEET KEYNOTES

409 STRUCTURAL JOIST.

LEGEND

- DOOR TYPE - SEE DOOR SCHEDULE
- PARTITION TYPE - SEE PARTITION SCHEDULE
- DENOTES CEILING / SOFFIT / BULKHEAD HEIGHT ABOVE FINISHED FLOOR
- 2' x 4' ACP - SEE FINISH SCHEDULE
- GYPSUM BOARD - SEE FINISH SCHEDULE
- OPEN TO STRUCTURE
- RECESSED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- RECESSED EMERGENCY FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- SURFACE MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- SUSPENDED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
- RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL
- CEILING MOUNTED EXIT SIGN - SEE ELECTRICAL
- WALL MOUNTED EXIT SIGN - SEE ELECTRICAL
- FIRE ALARM STROBE - SEE ELECTRICAL
- FIRE ALARM HORN STROBE - SEE ELECTRICAL
- SMOKE DETECTOR - SEE ELECTRICAL
- RECESSED SUPPLY AIR - SEE MECHANICAL
- RECESSED RETURN AIR - SEE MECHANICAL
- RECESSED EXHAUST FAN - SEE MECHANICAL

WILSON & COMPANY

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 Phone: (505) 348-4000

PROJECT NAME:
**ROCA HONDA URANIUM MINE
 SECTION 16
 SITE DEVELOPMENT**

MARK	DATE	60% DESIGN REVIEW	DESCRIPTION
	12/02/2011		

PROJECT NO:
11-600-019-00

DRAWN BY ASB
 CHECKED BY TR

SHEET TITLE
ASSAY BLDG - PLANS

A-101E

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GENERAL SHEET NOTES



Roca Honda Resources, LLC
4001 Office Court Drive Suite 102
Santa Fe, NM 87507



4900 Lang Avenue, NE
Albuquerque, NM 87109
Phone: (505) 348-4000

REFERENCE KEYNOTES

- 03 3000.C CAST-IN-PLACE CONCRETE
- 05 1200.S STEEL BEAM
- 05 4000.S STEEL STUD
- 05 5000.D01 DOWNSPOUT PIPE BOOT
- 05 5100.M METAL STAIRS
- 05 5100.M08 METAL STAIR RAILING
- 05 5213.G01 GUARDRAIL
- 05 5213.R RAILING
- 06 4100.C COUNTERTOP
- 08 1113.S STEEL DOOR
- 08 1416.F FLUSH WOOD DOOR
- 08 5113.A ALUMINUM WINDOW
- 09 2116.F01 FIRE RATED GYPSUM BOARD
- 09 2116.M METAL STUD
- 09 5100.A ACOUSTICAL PANEL(S)
- 13 3419.D DOWNSPOUT
- 13 3419.G GIRT
- 13 3419.G01 GUTTER
- 13 3419.P01 PRE-ENGINEERED BUILDING FRAME
- 13 3419.P04 PRE-ENGINEERED BUILDING INSULATION
- 13 3419.R02 ROOF PANEL
- 13 3419.R05 RAKE TRIM
- 13 3419.S01 SOFFIT PANEL
- 13 3419.S03 SNOW GUARD
- 13 3419.W WALL PANEL

SHEET KEYNOTES

- 189 ELECTRICAL LIGHT FIXTURE.
- 277 MECHANICAL HVAC GRILLE.
- 361 STRUCTURAL BEAM.
- 377 STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
- 393 STRUCTURAL COLUMN.
- 397 STRUCTURAL DECK.
- 409 STRUCTURAL JOIST.

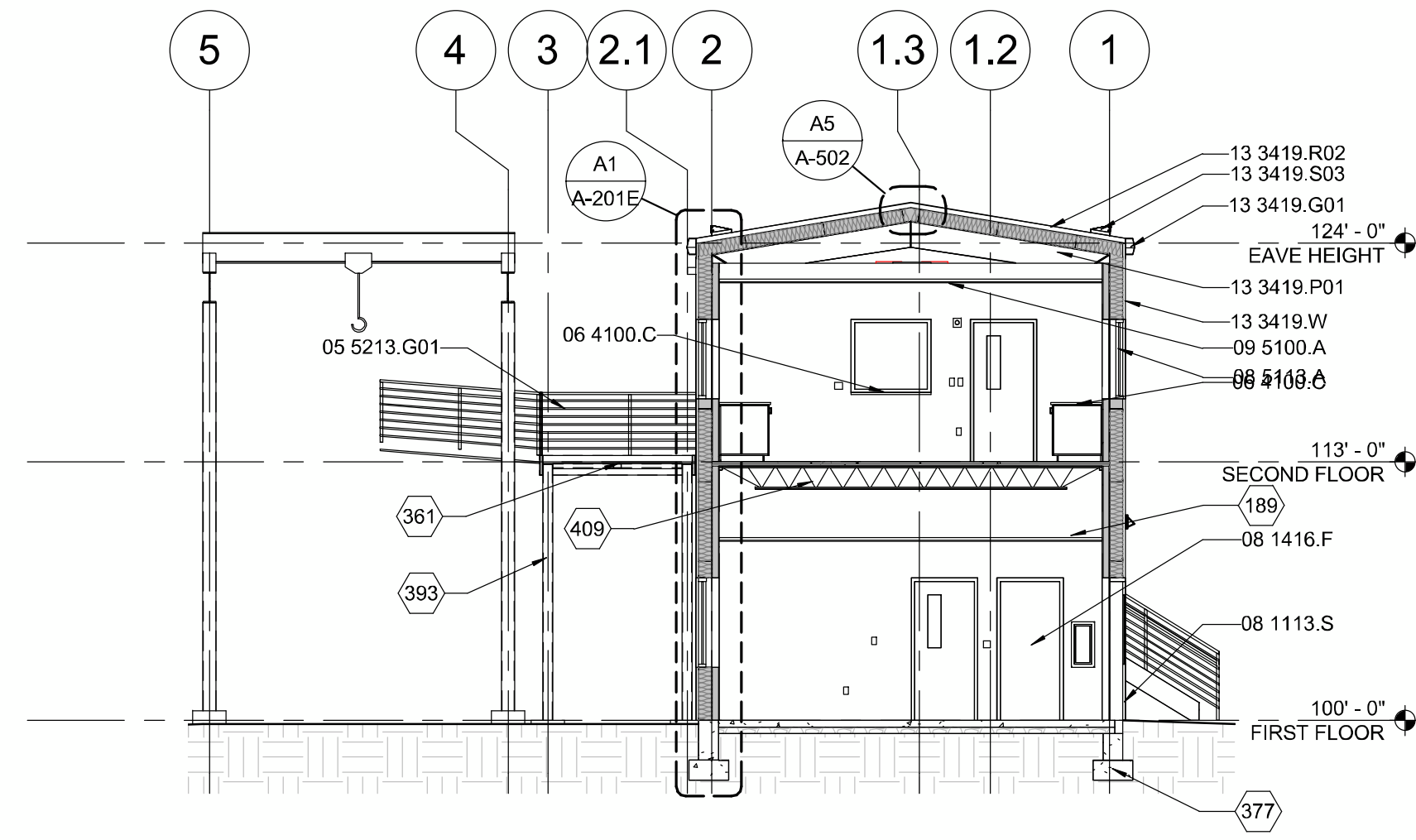
SEAL

PROJECT NAME:
ROCA HONDA URANIUM MINE
SECTION 16
SITE DEVELOPMENT

MARK	DATE	DESCRIPTION
	12/02/2011	60% DESIGN REVIEW

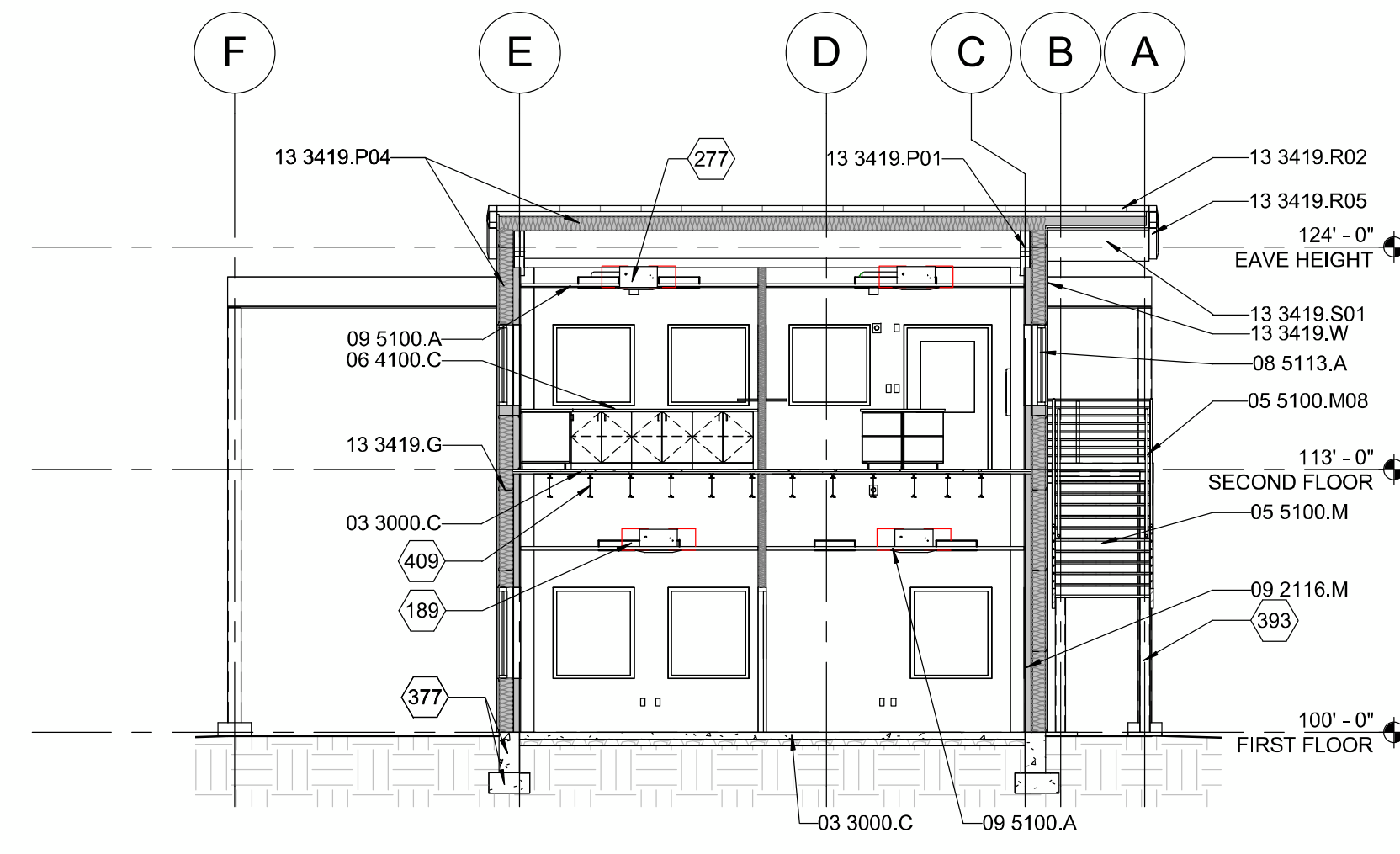
PROJECT NO:
11-600-019-00
DRAWN BY ASB
CHECKED BY TR
SHEET TITLE
ASSAY BLDG -
EXTERIOR
ELEVATIONS &
BUILDING
SECTIONS

A-201E
SHEET 84 OF 85



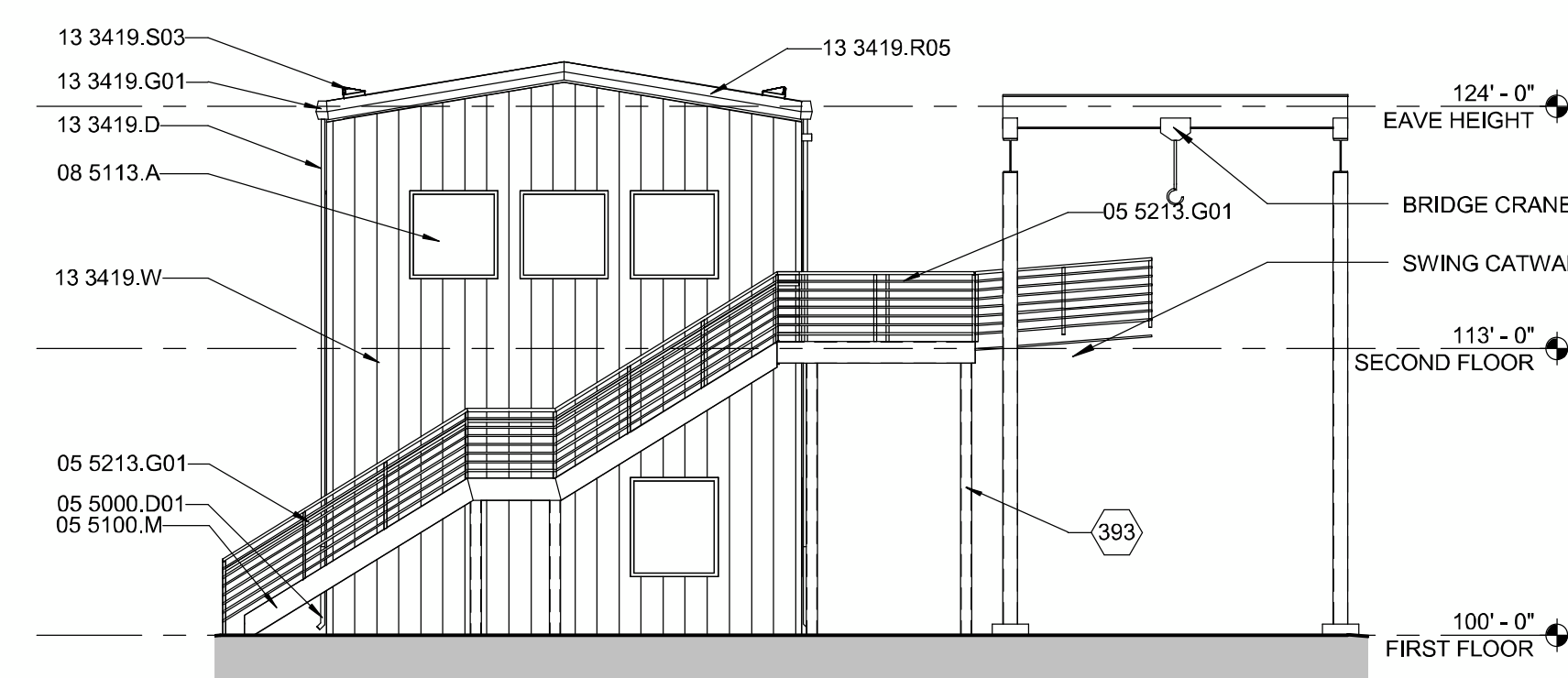
E3 BUILDING SECTION

1/8" = 1'-0"



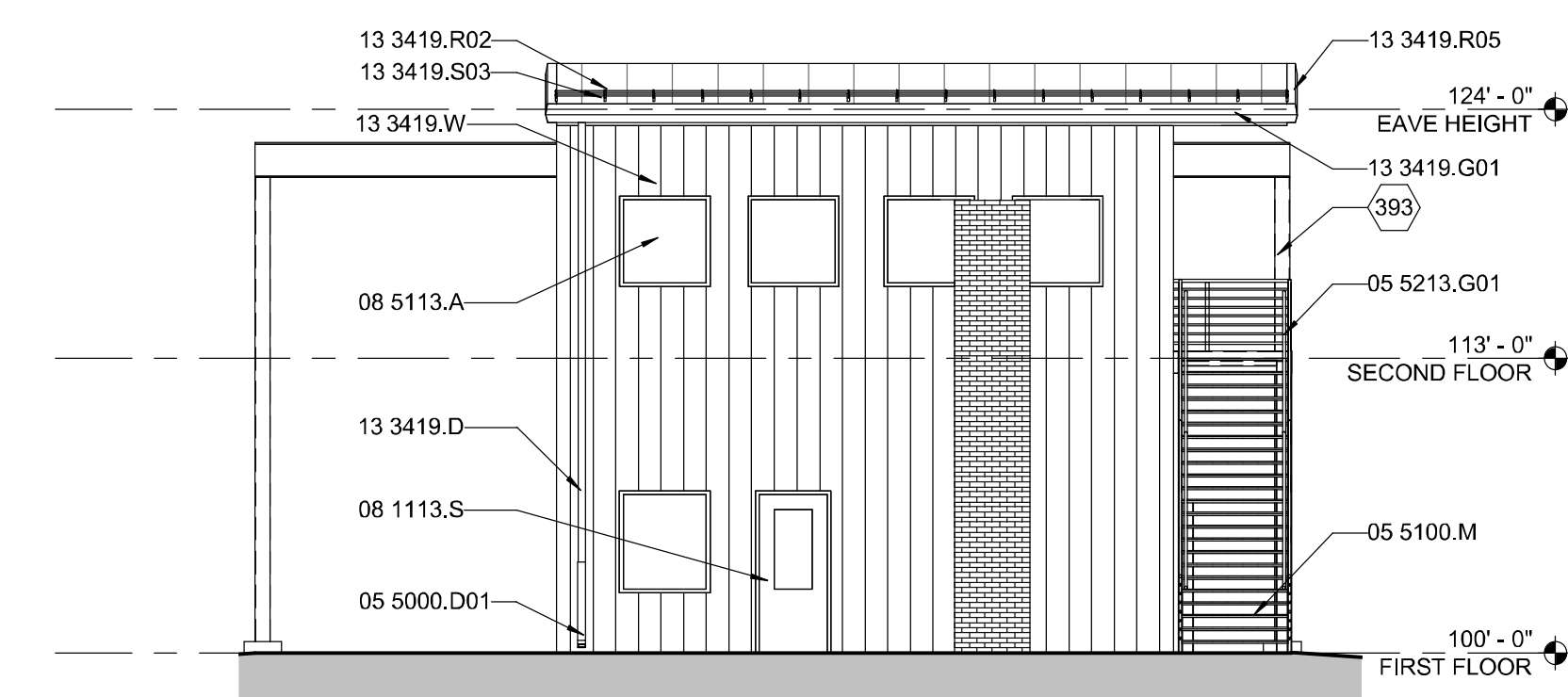
E6 BUILDING SECTION

1/8" = 1'-0"



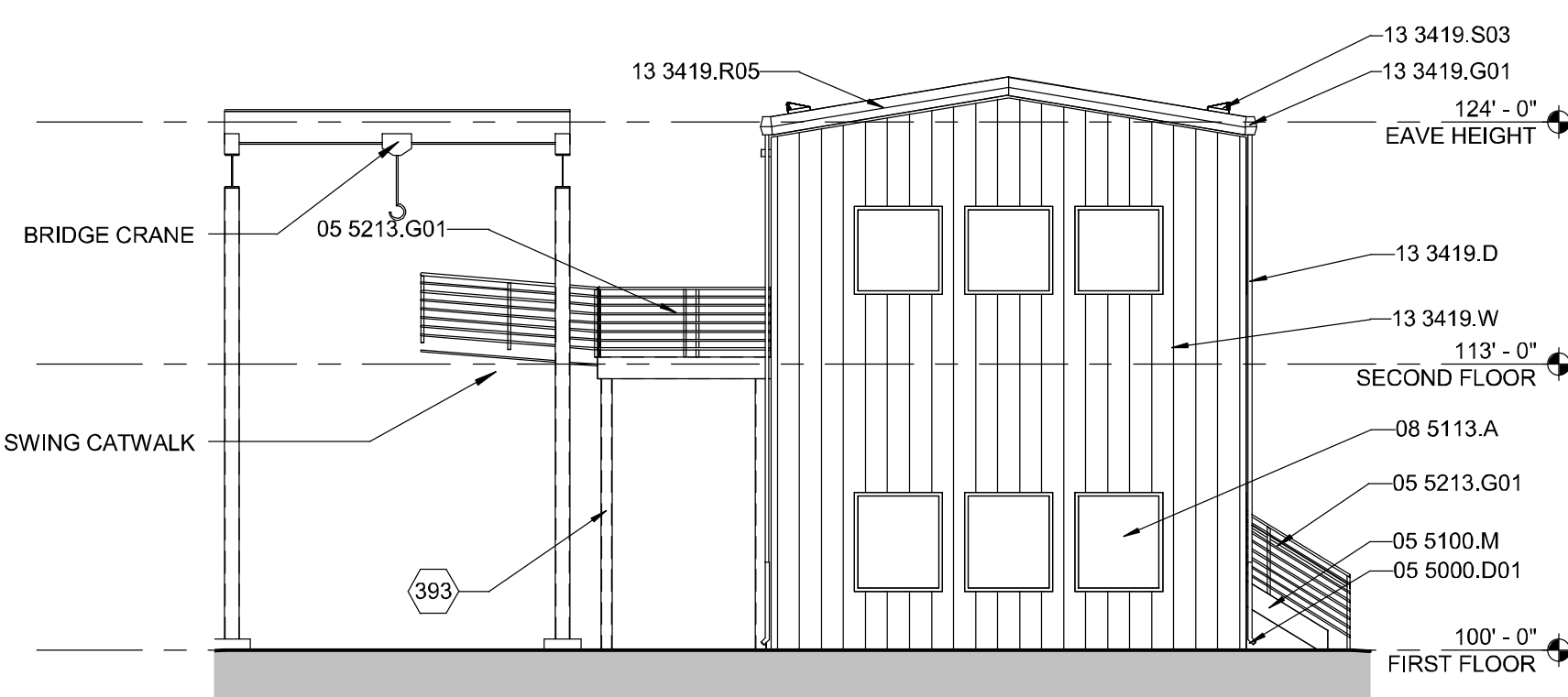
C3 SOUTH ELEVATION

1/8" = 1'-0"



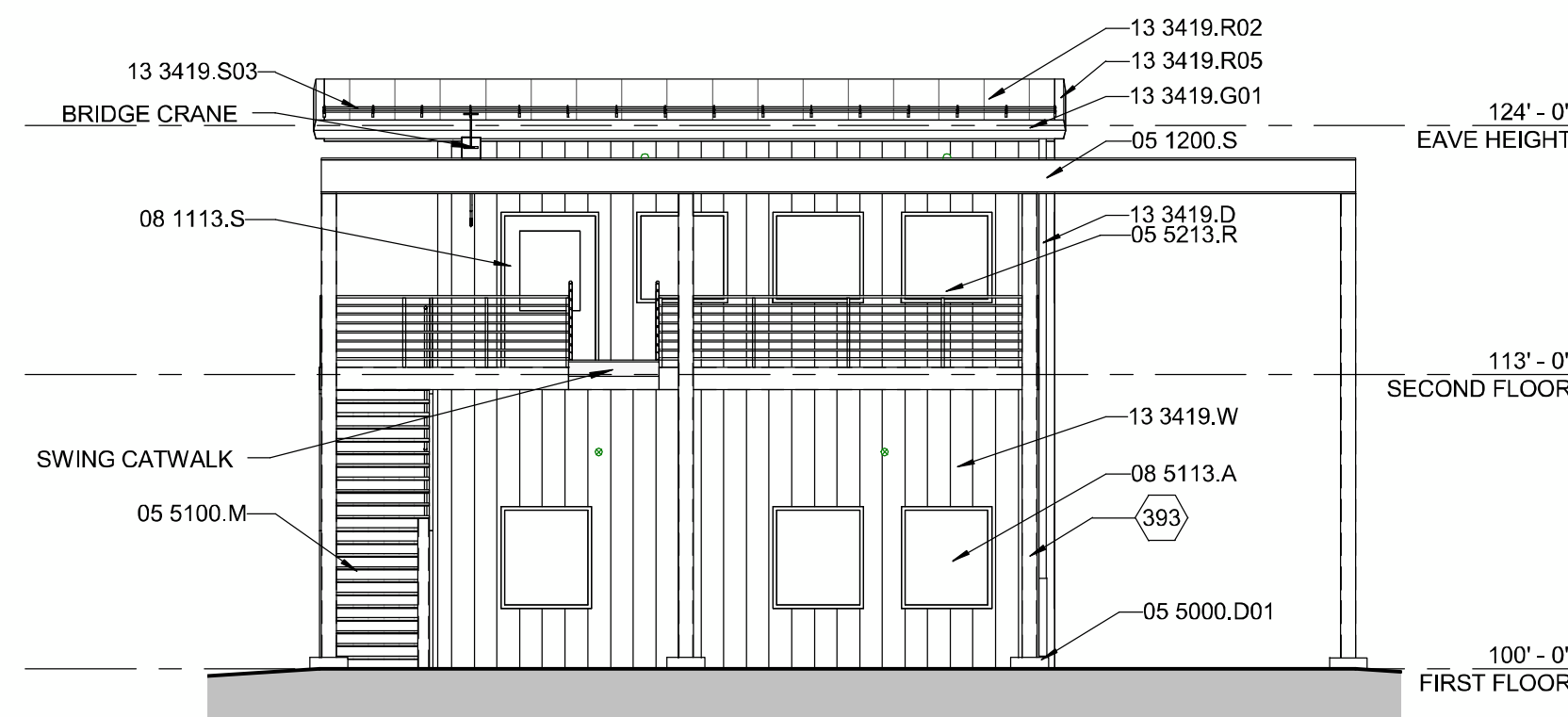
C6 WEST ELEVATION

1/8" = 1'-0"



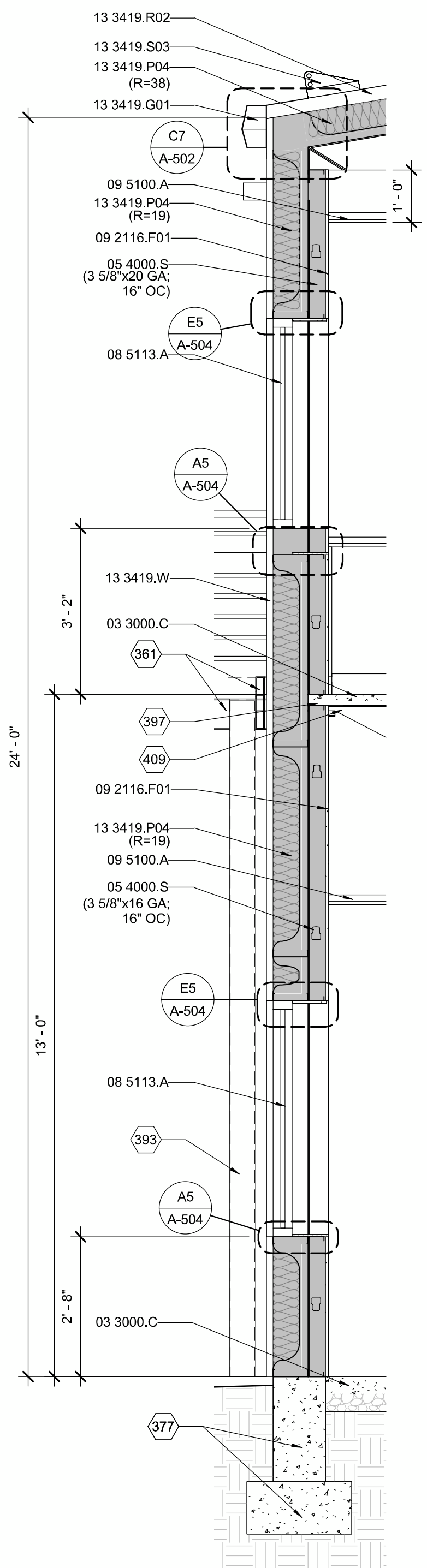
A3 NORTH ELEVATION

1/8" = 1'-0"



A6 EAST ELEVATION

1/8" = 1'-0"

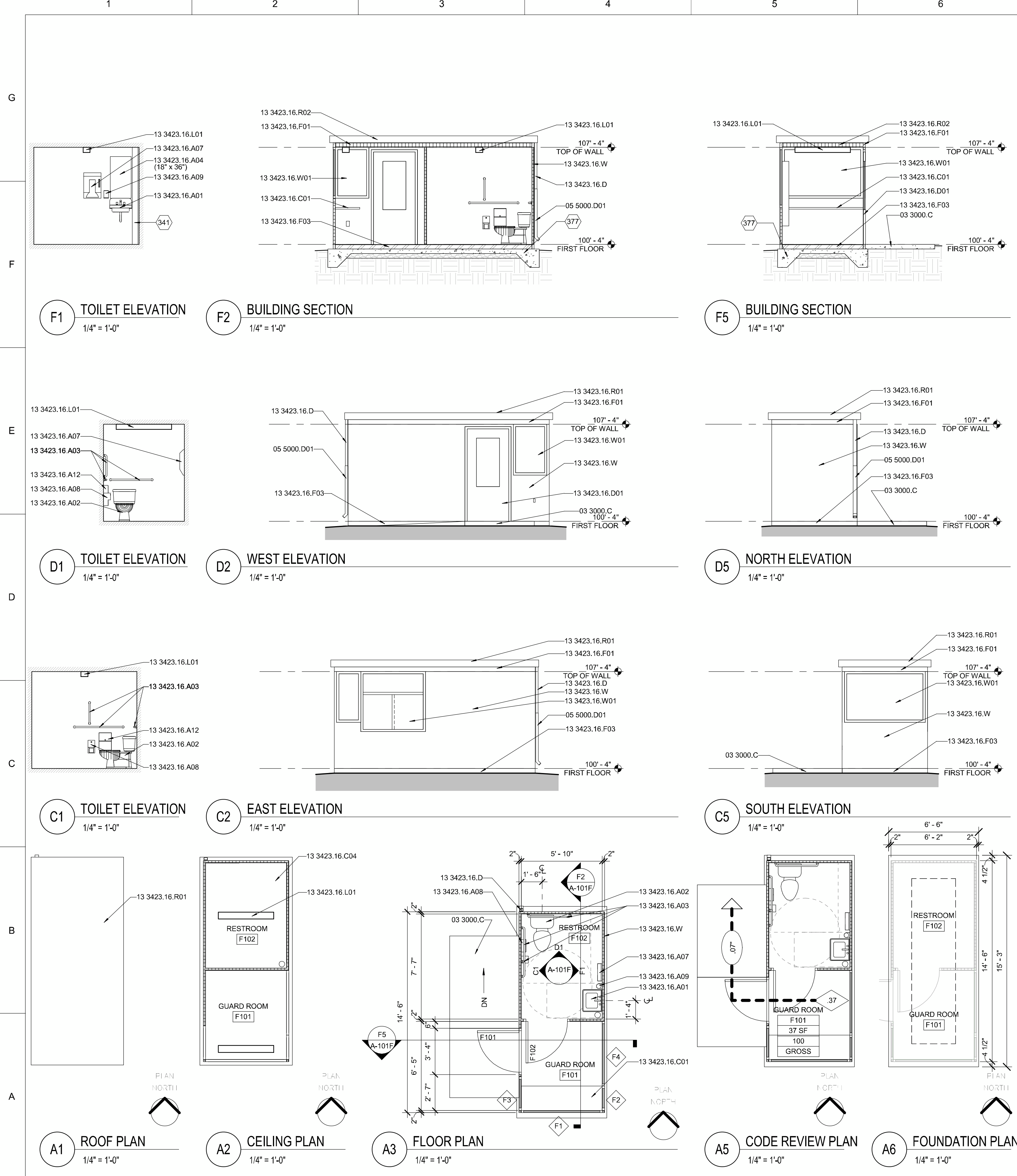


A1 WALL SECTION

1/2" = 1'-0"

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CODE INFORMATION

CODE ANALYSIS: GUARDHOUSE BUILDING

A. PROJECT ADDRESS: ROCA HONDA URANIUM MINE
SECTION 16
GRANTS, NM

B. APPLICABLE REGULATORY INFORMATION:
 1. 2009 NM COMMERCIAL BUILDING CODE (2009 IBC, AS AMENDED)
 2. 2009 NM PLUMBING CODE (2009 UNIFORM PLUMBING CODE, AS AMENDED)
 3. 2009 NM MECHANICAL CODE (2009 UNIFORM MECHANICAL CODE, AS AMENDED)
 4. 2008 NM ELECTRICAL CODE (2008 NATIONAL ELECTRICAL CODE, AS AMENDED)
 5. 2009 NM ENERGY CONSERVATION CODE (2009 INTERNATIONAL ENERGY CONSERVATION CODE, AS AMENDED)
 6. ICC/ANSI A117.1-2003

C. OCCUPANCY GROUP: GROUP B (SECTION 303 & 304, IBC)

D. CONSTRUCTION TYPE: II-B (TABLE 601, IBC)

E. ALLOWABLE BUILDING AREA: (GROSS) 23,000 SF (PER TABLE 503, IBC)
ACTUAL BUILDING AREA: (GROSS) 89 SF (GROSS, AS MEASURED TO EXTERIOR FACE OF WALLS)

F. ALLOWABLE HEIGHT: ALLOWABLE: 55 FEET (PER TABLE 503, IBC)
 APPROXIMATE HEIGHT: 8 FEET

G. ALLOWABLE STORIES: ALLOWABLE: 3 STORIES (PER TABLE 503, IBC)
 ACTUAL STORIES: 1 STORIES

H. FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS: 0 HOURS (FIRE SEPARATION DISTANCE = GREATER THAN OR EQUAL TO 10' OR LESS THAN 30' PER TABLE 602, IBC)

J. CORRIDOR FIRE-RESISTANCE RATING: 1 HOURS (CORRIDORS NOT USED) (B OCCUPANCY WITHOUT SPRINKLER SYSTEM TABLE 1017.1, IBC)

K. INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (TABLE 803.5):
 1. OCCUPANCY B:
 EXIT ENCLOSURES AND EXIT PASSAGEWAYS FLAME SPREAD INDEX: A
 CORRIDORS FLAME SPREAD INDEX: B
 ROOMS AND ENCLOSED SPACES FLAME SPREAD INDEX: C

L. MINIMUM ROOF COVERING CLASSIFICATION: CLASS C (TABLE 1505.1, IBC)

M. OCCUPANCY SEPARATION: NONE REQUIRED (PER SECTION 508.3.2)

P. MAXIMUM DISTANCE, COMMON PATH OF EGRESS TRAVEL (SECTION 1014.3, IBC): 200 FT
ACTUAL TRAVEL DISTANCE: 0 FT

Q. MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1015.1, IBC): 49
ACTUAL OCCUPANT LOAD: .37
ACTUAL NUMBER OF EXISTS: 1

R. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2902.1, IBC)
 1. BUSINESS
 OCCUPANT LOAD TOTAL = 1 OCCUPANTS = .5 MALE, .5 FEMALE
 WATER CLOSET REQUIRED, MALE (1/25) = .02
 WATER CLOSET REQUIRED, FEMALE (1/25) = .02
 LAVATORIES REQUIRED, MALE (1/40) = .01
 LAVATORIES REQUIRED, FEMALE (1/40) = .01
 DRINKING FOUNTAINS REQUIRED (1/100) (FOOTNOTE 1, 2902.1, IBC) = NOT REQUIRED
 SERVICE SINK REQUIRED = 1
 2. TOTAL PLUMBING FIXTURES PROVIDED:
 WATER CLOSET, MALE = 1
 WATER CLOSET, FEMALE = 1
 LAVATORIES, MALE = 1
 LAVATORIES, FEMALE = 1
 SERVICE SINK = 1

GENERAL SHEET NOTES

REFERENCE KEYNOTES

03 3000.C	CAST-IN-PLACE CONCRETE
05 5000.D01	DOWNSPOUT PIPE BOOT
13 3423.16.A01	ADA-COMPLIANT LAVATORY
13 3423.16.A02	ADA-COMPLIANT WATERCLOSET
13 3423.16.A03	ADA-COMPLIANT GRAB BAR
13 3423.16.A04	ADA-COMPLIANT MIRROR
13 3423.16.A07	ADA-COMPLIANT TOWEL DISPENSER
13 3423.16.A08	ADA-COMPLIANT TOILET TISSUE DISPENSER
13 3423.16.A09	ADA-COMPLIANT SOAP DISPENSER
13 3423.16.A12	ADA-COMPLIANT SANITARY NAPKIN DISPOSAL UNIT
13 3423.16.C01	COUNTERTOP
13 3423.16.C04	CEILING PANEL
13 3423.16.D	DOWNSPOUT
13 3423.16.D01	DOOR
13 3423.16.F01	FACIA
13 3423.16.F03	FLOOR
13 3423.16.L01	LIGHT FIXTURE
13 3423.16.R01	ROOF PANEL
13 3423.16.R02	ROOF INSULATION
13 3423.16.W01	WINDOW
13 3423.16.W	WALL PANEL

SHEET KEYNOTES

341	PLUMBING VENT.
377	STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.

LEGEND

SYMBOL/ABBREVIATION:	DESCRIPTION	SPECIFICATION SECTION
PH	PANIC HARDWARE	08 7100
NL	NO LATCH OR LOCK (PUSH/PULL)	08 7100
---	PATH OF EGRESS	
0.00°	REQUIRED EGRESS WIDTH	
0.00	ACCUMULATED OCCUPANT LOAD IN DIRECTION OF EGRESS	
0.00	IBC 2009 OCCUPANT LOAD	
RM NAME	INDIVIDUAL ROOM CODE INFORMATION	
RM #		
RM SF		
OCC LOAD		
SF FACTOR		



Roca Honda Resources, LLC
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PROJECT NAME:
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SECTION 16
SITE DEVELOPMENT

60% DESIGN REVIEW
DESCRIPTION
DATE
MARK

PROJECT NO:
11-600-019-00

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SHEET TITLE
GUARDHOUSE BLDG - PLANS,
ELEVATIONS,
& SECTIONS

A-101F

SHEET 85 OF 85