



COLLEGE RESERVOIR SITE ARSENIC REMOVAL DEMONSTRATION FACILITY AND PUMP STATION

SITE INFORMATION

PROPOSED USE: POTABLE WATER, PUMPING, STORAGE AND TREATMENT FACILITY FOR THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

CURRENT ZONING: SU-2 FOR PDA FOR RESIDENTIAL RESORT

PROPOSED ZONING: SU-2 FOR PDA FOR RESIDENTIAL RESORT

LEGAL DESCRIPTION: TRACT A COLLEGE ZONE 2-WEST RESERVOIR SITE

ACREAGE: 6.0744 ACRES

BIKE RACKS: NOT APPLICABLE

REFUSE CONTAINERS: NOT APPLICABLE

PARKING: SPACES REQUIRED: N/A
SPACES PROVIDED: 15, 2 HANDICAP

SITE LIGHTING: DUE TO THE INTERMITTENT USE AND OCCUPANCY OF THE FACILITIES, EXTERIOR NIGHTTIME/SECURITY LIGHTING ONLY WILL BE PROVIDED AT ENTRANCES TO EACH BUILDING.

FILE NO.: CSU 99-11

INDEX OF DRAWINGS

SHEET NO.	TITLE OF SHEET
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6	ARSENIC REMOVAL DEMONSTRATION FACILITY - BUILDING ELEVATIONS
7	PUMP STATION - BUILDING ELEVATIONS
8	CHEMICAL STORAGE FACILITY - BUILDING ELEVATIONS

PROJECT # 1000570
EPC Application # 00128-00000-01377
DRB Application # 01450-00000-00210

[Signature]
CHAIR
ALBUQUERQUE DEVELOPMENT REVIEW BOARD

[Signature]
CITY ENGINEER

[Signature]
A.M.A.F.C.A.

[Signature]
PARKS AND RECREATION

[Signature]
TRAFFIC ENGINEER

[Signature]
UTILITIES DEVELOPMENT DIVISION
CITY OF ALBUQUERQUE PUBLIC WORKS

[Signature]
CITY PLANNER

[Signature]
SOLID

3/12/01
DATE

02/21/01
DATE

02/21/01
DATE

3-08-01
DATE

2/21/01
DATE

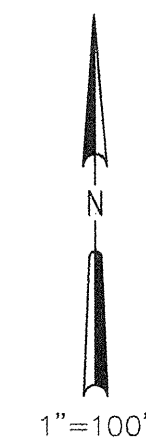
3/12/01
DATE

2/21/01

AFD PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
[Signature] 2-21-01
SIGNATURE & DATE

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		City Project No.		*****			
				APPROVED FOR CONSTRUCTION			
				City Engineer Date			
				Sheet 1 Of 8			
				DRAWING NO. -			

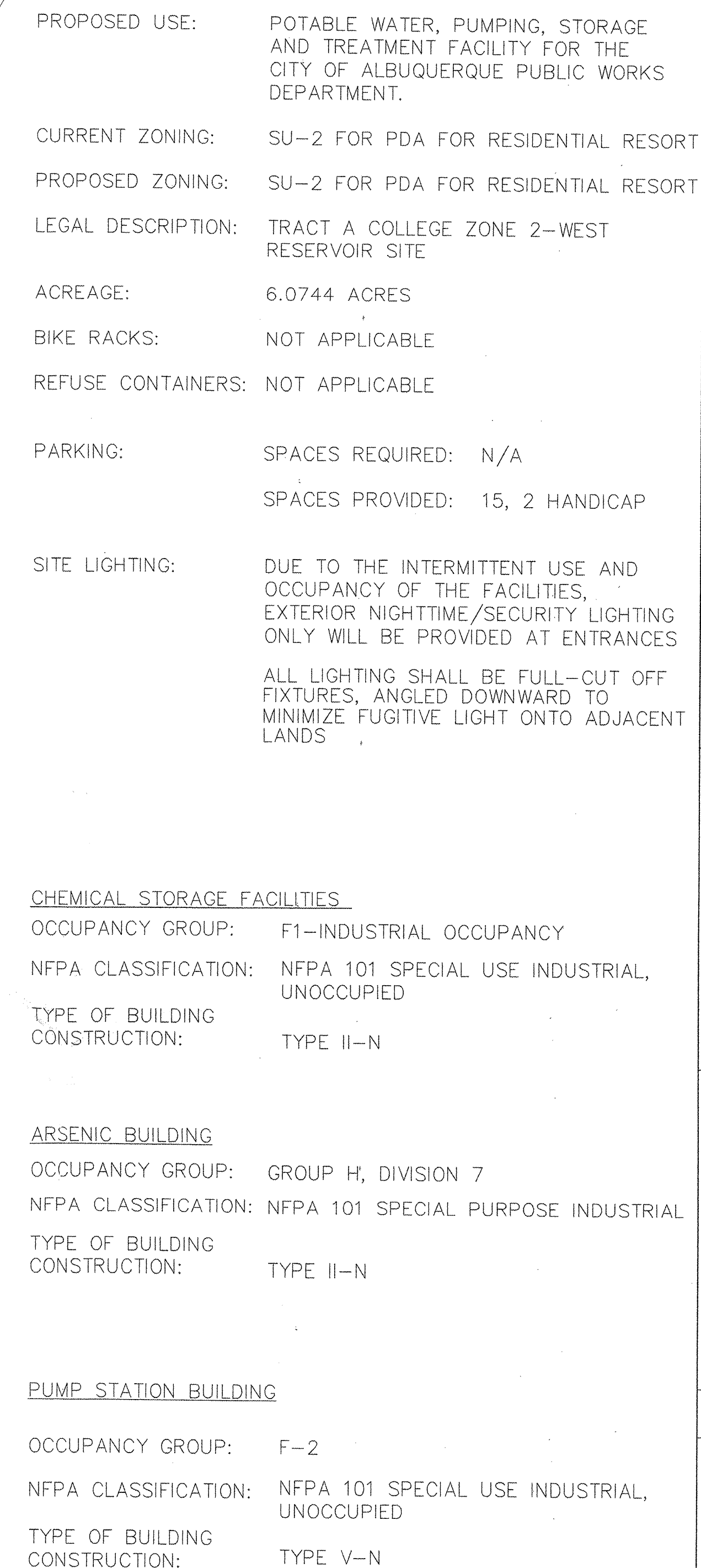
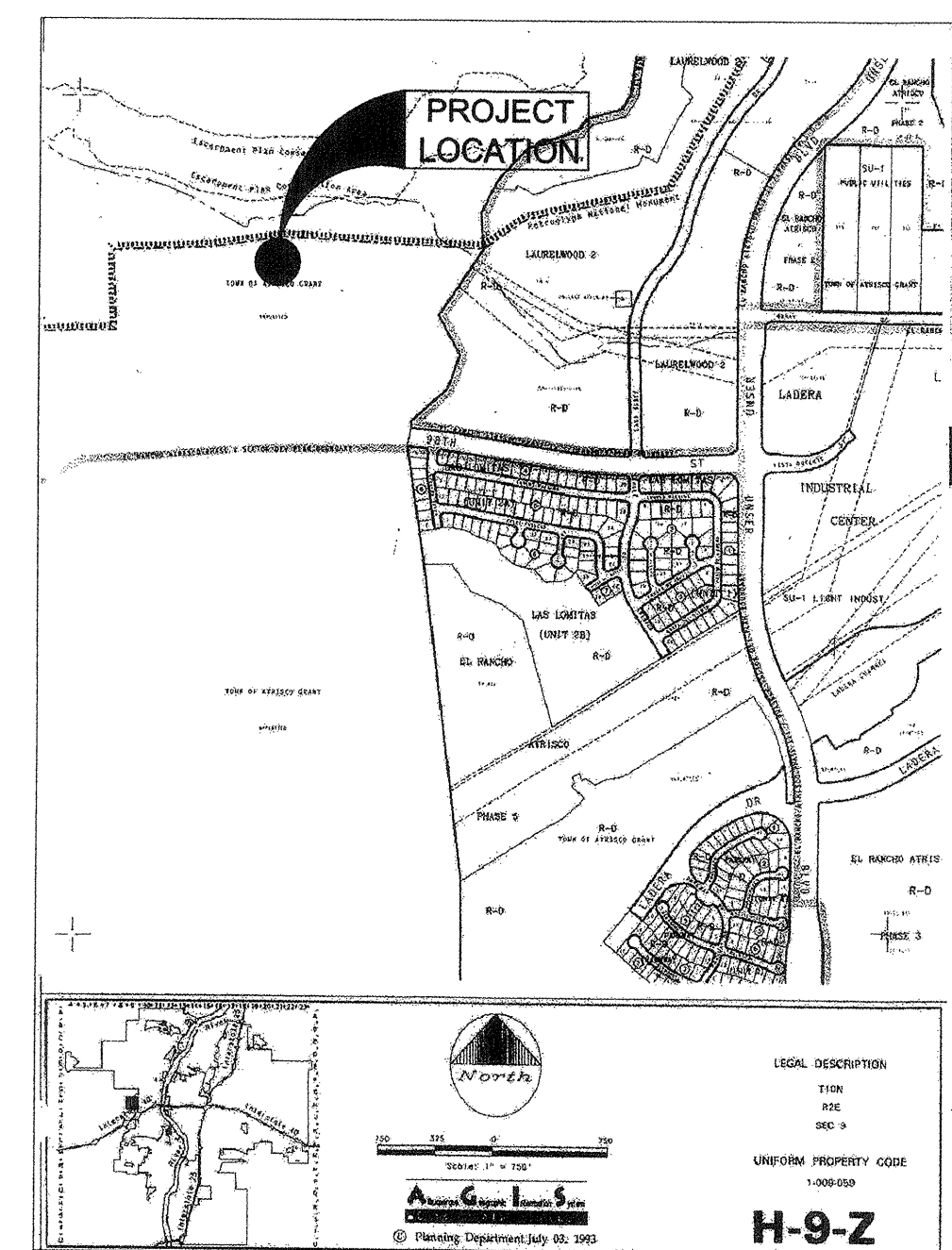


PETROGLYPH NATIONAL MONUMENT

PETROGLYPH
NATIONAL
MONUMENT



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT-WATER UTILITY DIVISION
COLLEGE RESERVOIR, PUMPING AND TREATMENT FACILITY - SKETCH PLAT



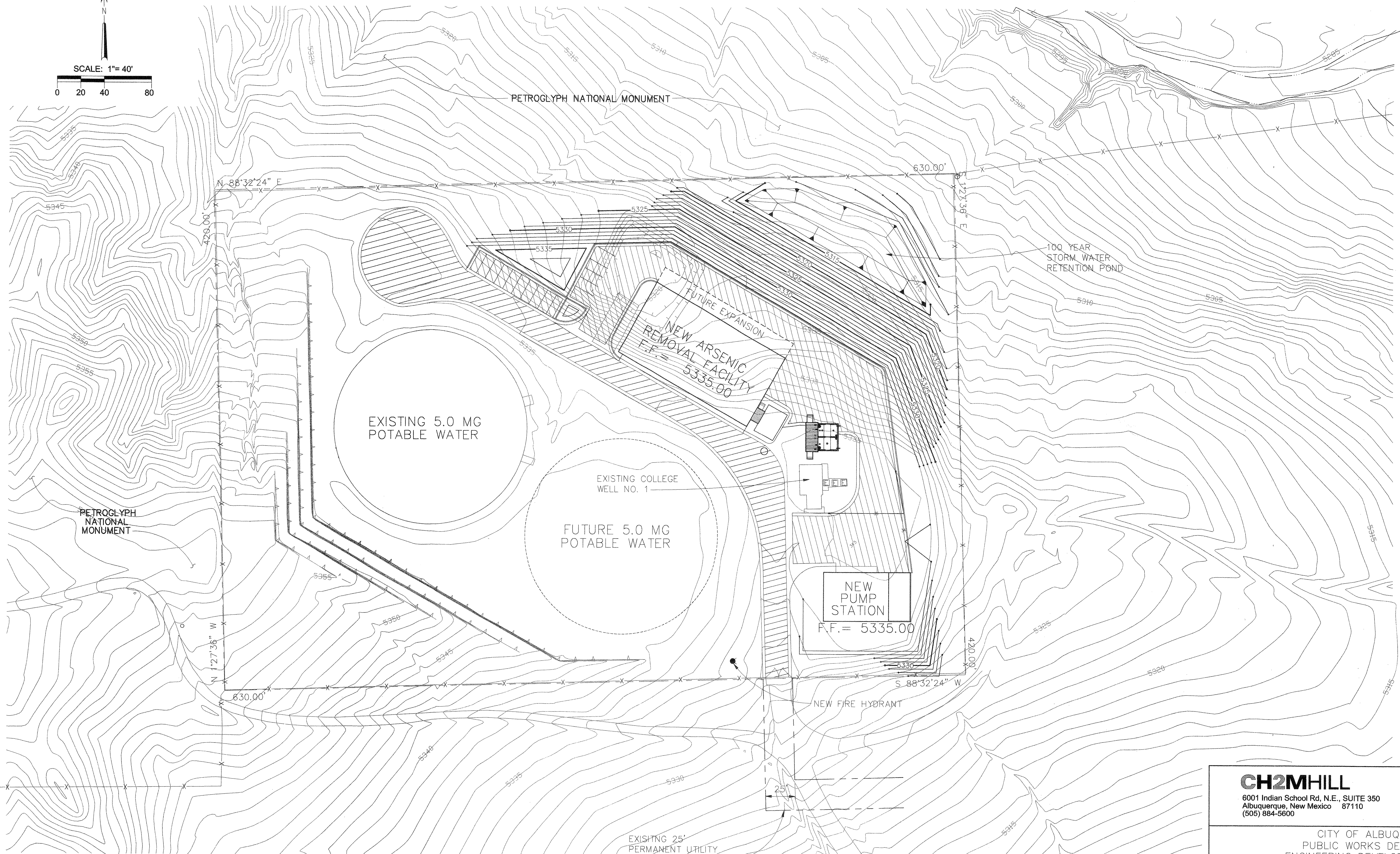
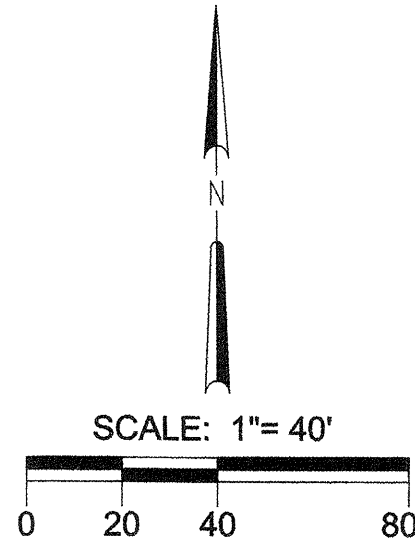
CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: ARSENIC REMOVAL DEMONSTRATION FACILITY
DIMENSIONED SITE PLAN & UTILITY LAYOUT

Design Review Committee City Engineer Approval Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
CITY PROJECT NO.	Zone Map No.	SHEET 3 OF 8
-	H-9	DRAWING NO.

VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING
0  1"
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.



149546.03.PD
CGP-COLL.DWG
1"=40'
4-20-99

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0 1"
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Albuquerque, New Mexico 87110
(505) 884-5600

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ARSENIC REMOVAL DEMONSTRATION FACILITY
CONCEPTUAL GRADING PLAN

Design Review Committee: City Engineer Approval:

Mo./Day/Yr. Mo./Day/Yr.

CITY PROJECT NO.

Zone Map No. SHEET 4 OF 8
H-9 DRAWING NO.

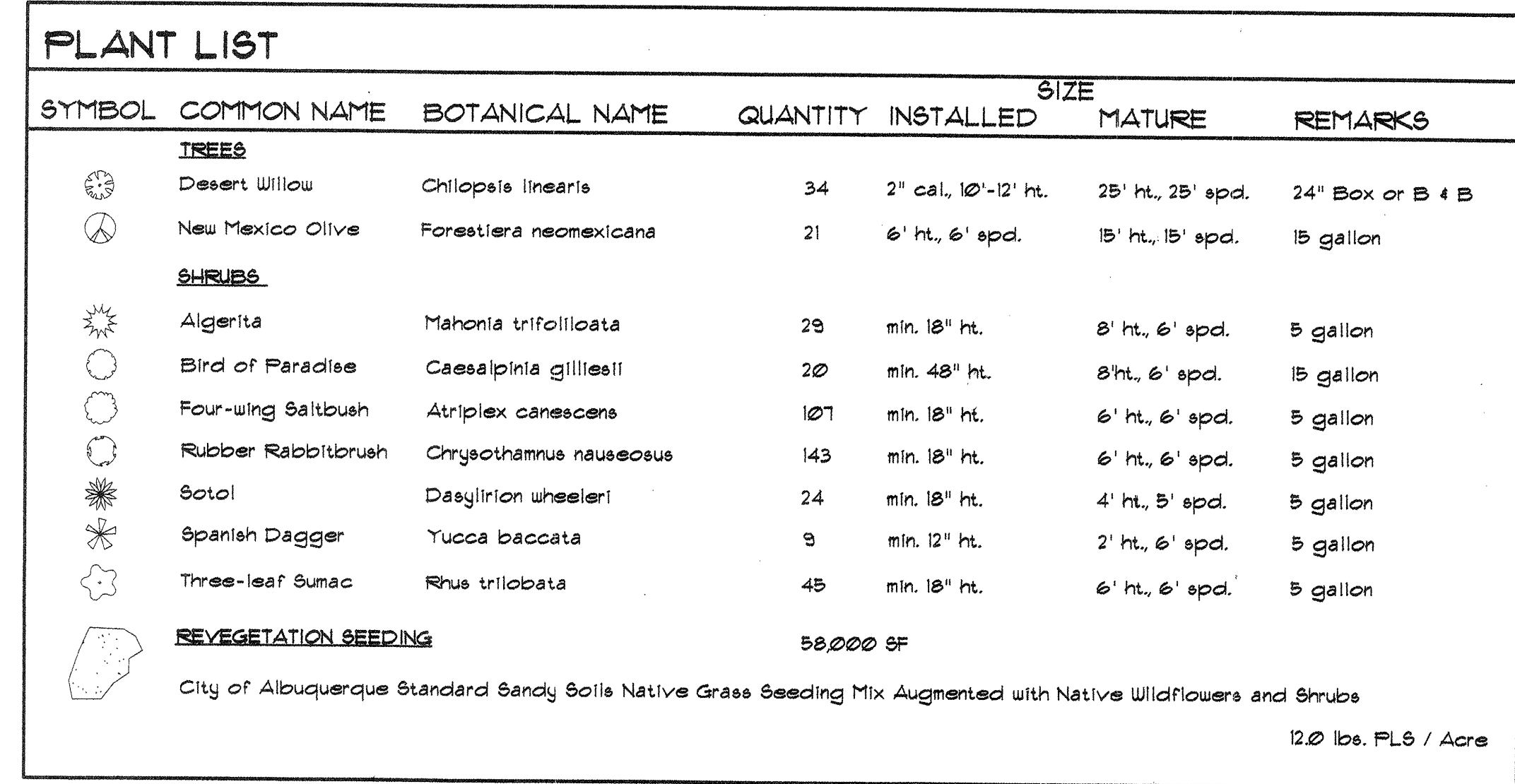
NO. DATE REVISIONS BY

DESIGNED BY M. BREWER DATE 4-19-99

DRAWN BY E. ARMUJO DATE 4-20-99

CHECKED BY M. BREWER DATE 4-20-99

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
		FIELD NOTES						
		NO.	BY					DATE
							</	



- LANDSCAPING NOTES
1. LANDSCAPE REQUIREMENTS
NET LOT AREA: = 244,400 SF
TOTAL LANDSCAPED AREA REQUIRED = 36,660 SF
(15% OF NET LOT AREA)
TOTAL LANDSCAPE AREA PROVIDED:
REVEGETATION AND NEW TREES AND SHRUBS = 68,230 SF
EXISTING NATIVE LANDSCAPING TO REMAIN = 118,100 SF
186,330 SF (76% OF NET LOT AREA)
 2. LANDSCAPE IRRIGATION
AN AUTOMATIC IRRIGATION SYSTEM WILL BE PROVIDED.
TREES AND SHRUBS: DRIP IRRIGATION.
 3. LANDSCAPE MAINTENANCE
THE OWNER (COA) WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF THE LANDSCAPE.
 4. A 4" DEPTH OF MULCH SHALL BE INSTALLED AT SHRUB BEDS AT ENTRY ROAD AND BUILDING.
 5. THIS PLAN IS IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION, LANDSCAPING, AND WATER WASTE ORDINANCES.

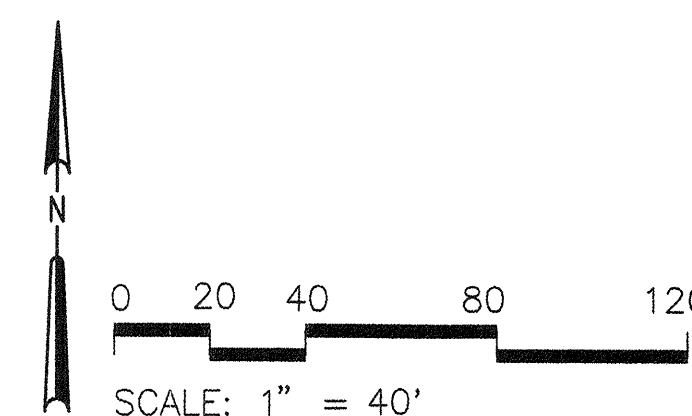
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6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING DEVELOPMENT GROUP	
TITLE:	COLLEGE PUMP STATION/ ARSENIC REMOVAL DEMONSTRATION FACILITY LANDSCAPE PLAN

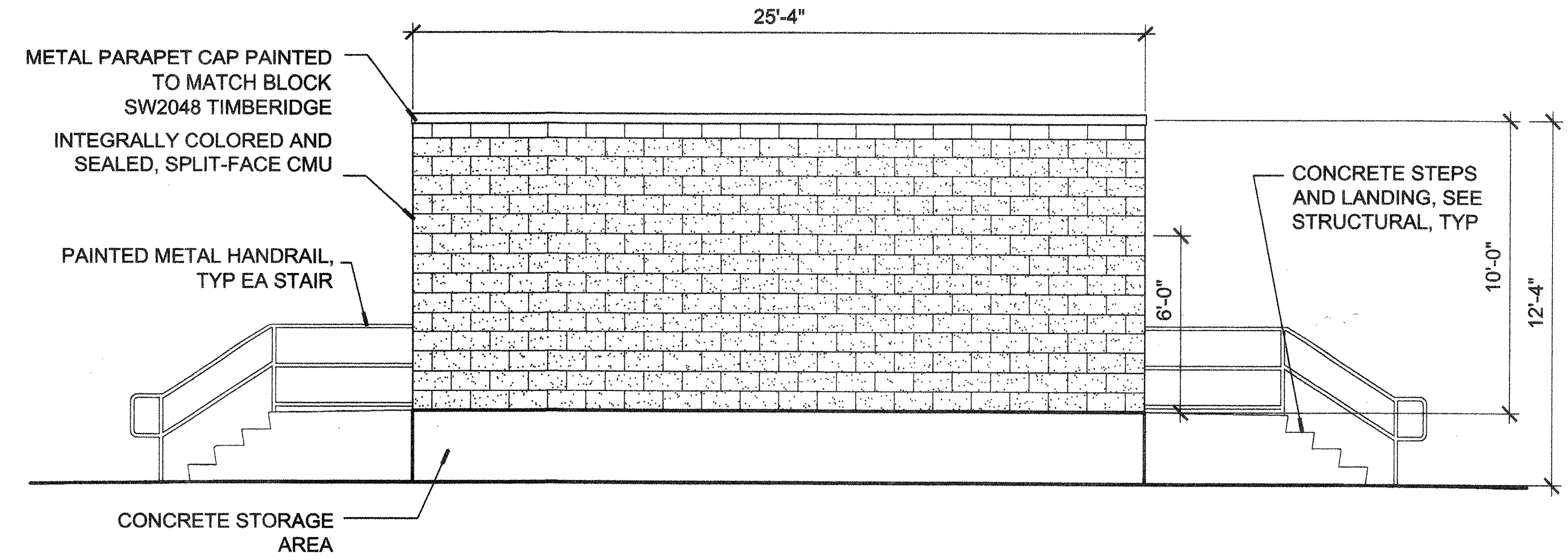
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
CITY PROJECT NO.	Zone Map No	SHEET L-1 OF DRAWING NO.		



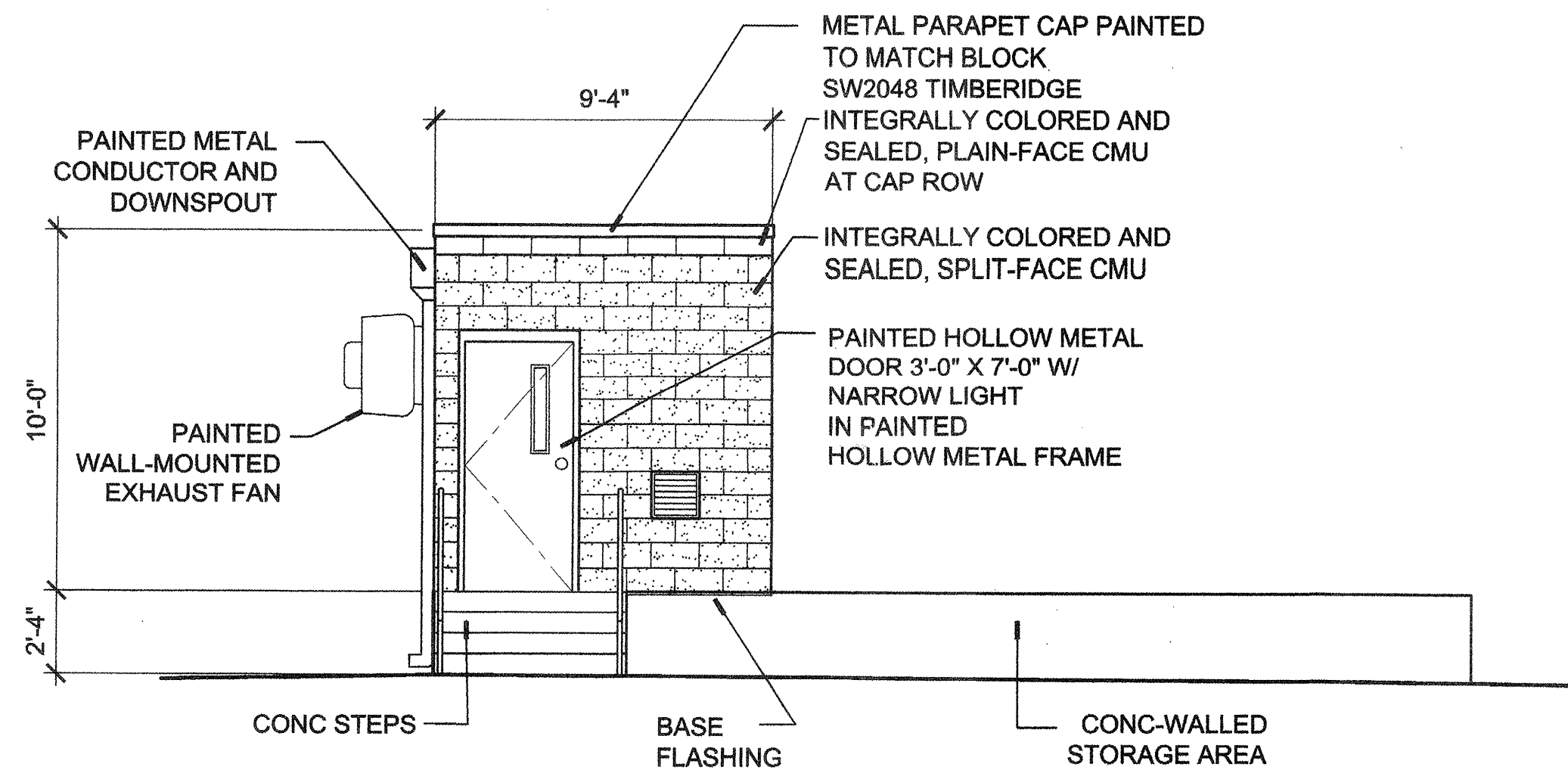
LEEDSHILL-HERKENHOFF, INC
an ASCG Company
500 Copper Avenue NW - Suite 500
P.O. Box 1217
Albuquerque, NM 87103
(505)247-0294



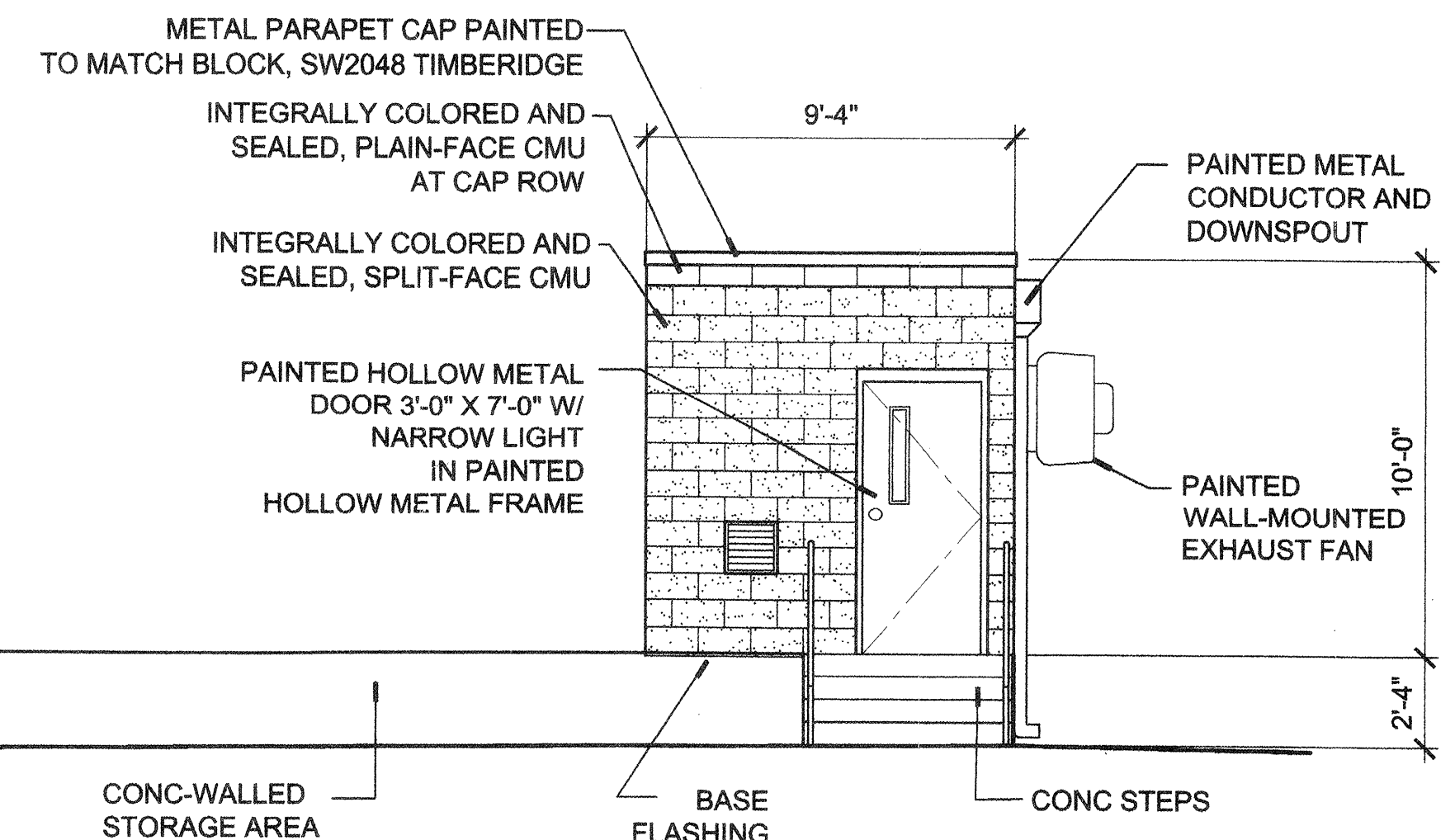
MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
 210 La Veta N.E.
 Albuquerque, N.M. 87108
 PH: 505 268-2286 FAX: 505 265-9633



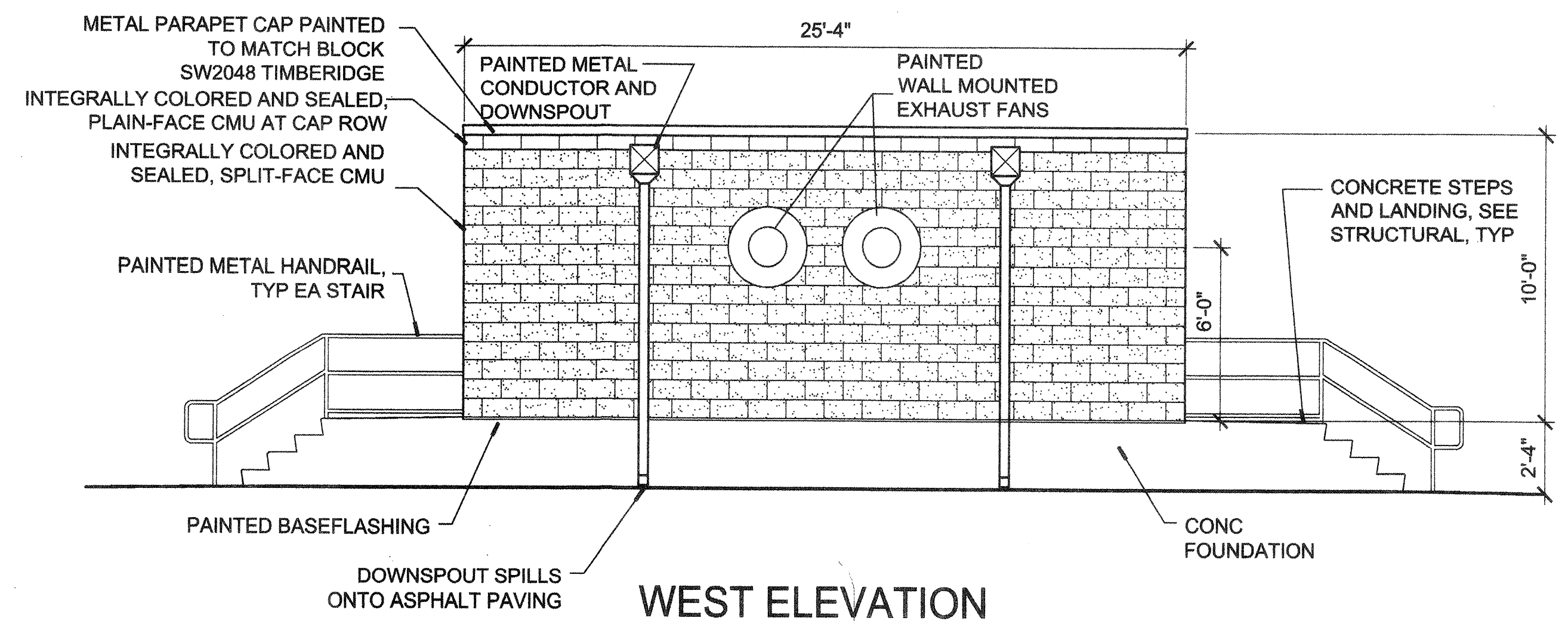
EAST ELEVATION
1/4"= 1'-0"



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



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



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

BUILDING CRITERIA

THIS BUILDING HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF 1997 NEW MEXICO AND UNIFORM BUILDING CODES AND COA ZONING REQUIREMENTS

TYPE OF BUILDING CONSTRUCTION TYPE II-N

OCCUPANCY GROUP F1 - INDUSTRIAL OCCUPANCY
NFPA CLASSIFICATION NFPA 101 SPECIAL USE INDUSTRIAL, UNOCCUPIED

BUILDING USE SHED TO HOUSE METERING PUMP

ALLOWABLE SQUARE FOOTAGE 18,000 SF
ACTUAL GROSS SQUARE FOOTAGE 236 SF

ALLOWABLE BUILDING HEIGHT 55 FT
ACTUAL BUILDING HEIGHT ABOVE GRADE 11 FT

EXTERIOR PROTECTION BASED ON LOCATION ON PROPERTY
UBC 503.4.2 EXCEPTION TO TABLE 5-A
FIRE-RESISTIVE RATING NOT REQUIRED FOR EXTERIOR WALL OF ONE-STORY, TYPE II-N IF AREA IS LESS THAN 1,000 SF AND SEPARATION IS GREATER OR EQUAL TO 5 FT

SEPARATION
DISTANCE TO NEAREST PROPERTY LINE 77'
DISTANCE TO PUMP STATION 6'
DISTANCE TO ARSENIC REMOVAL FACILITY 45'

UBC DESIGN OCCUPANT LOAD 184 SF OCCUPIABLE AREA
(FOR EGRESS REQUIREMENT) /300 SF = 1 OCCUPANT

36" MIN WIDTH EXITS PROVIDED 1 EA AREA
36" MIN WIDTH EXITS REQUIRED 1 EA AREA

STAIRWAY: EXEMPT FROM REQUIREMENTS OF SECTION 1003.3.3
CODE CRITERIA HAS BEEN MET WHEREVER POSSIBLE.
STAIRS AND LANDING WIDTHS ARE 3'-0", MIN

PLUMBING FIXTURES REQUIRED NONE REQUIRED FOR MECHANICAL EQUIPMENT SPACES

SEISMIC ZONE 2

No Chemicals are stored within the shed. Liquid Chemicals are stored in underground tanks and injected into a closed system. A 14" thick concrete wall separates the tank and its containment area from the shed. Chemicals are as follows:

SOLUTION OF 0.8% SODIUM HYPOCHLORITE (NaOCl) AND 99.2% WATER - 2600 GALLONS
CLASSIFICATION OF NaOCl (per JT Baker system for storage MSDS)
health hazard - blue label, indicates poisonous hazards
non-flammable - red label indicates flammable hazards
non-corrosive - white label indicates corrosive hazards
non-reactive - yellow label indicates reactive hazards, oxidizers and reducers
product is labeled for general storage with orange label

SOLUTION OF 23-27% HYDROFLUOSILICIC ACID (H₂SiF₆) and 77-73% Water - 2600 GALLONS
CLASSIFICATION OF H₂SiF₆ (per supplier, Van Waters and Rogers, Inc using NFPA rating system)
Fire hazard - None
Reactivity hazard - Slight
Health hazard - Severe, classified as a toxic material

FINISH NOTES:

ALL EXPOSED CMU, BOTH SPLIT-FACE AND PLAIN-FACE, SHALL BE CSR COLOR 76-27

ALL EXPOSED HANDRAILS, EQUIPMENT, FLASHING, TRIM, PIPING, AND DOORS SHALL BE PAINTED SHERWIN WILLIAMS COLOR SW2243, WETLANDS UNLESS OTHERWISE NOTED

ROOFING CAP SHEET SHALL BE FIRESTONE APP 180 MODIFIED BITUMEN MEMBRANE COLOR TAN

ALL ROOFTOP EQUIPMENT AND PIPING SHALL BE PAINTED SHERWIN WILLIAMS COLOR 2048 TIMBERIDGE

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

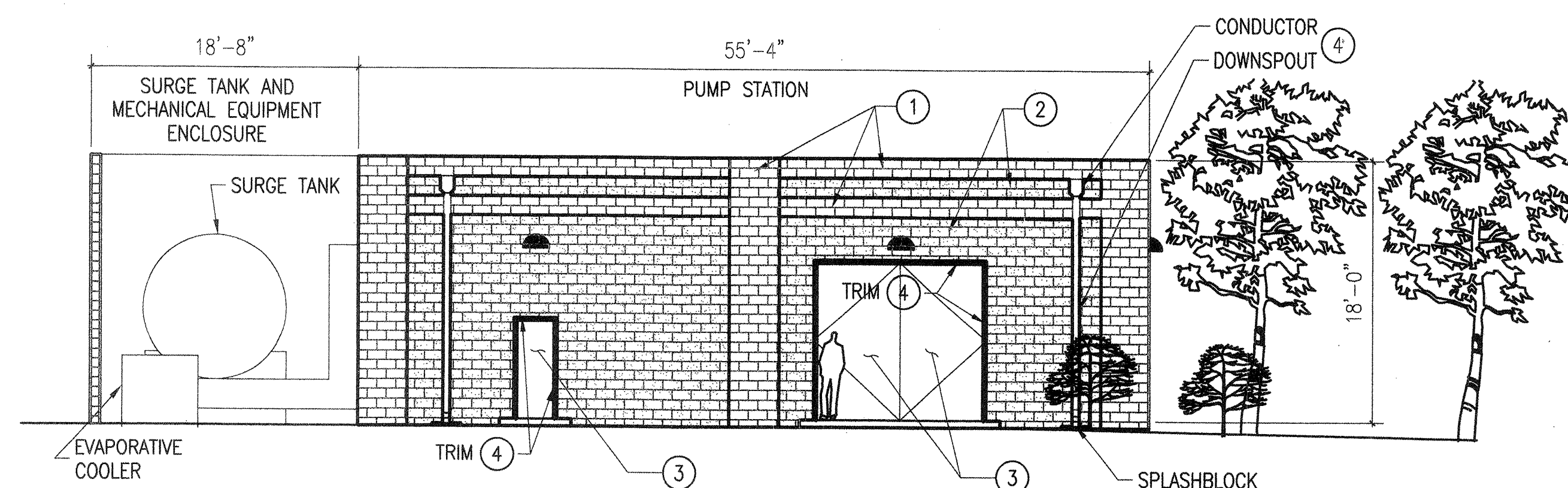
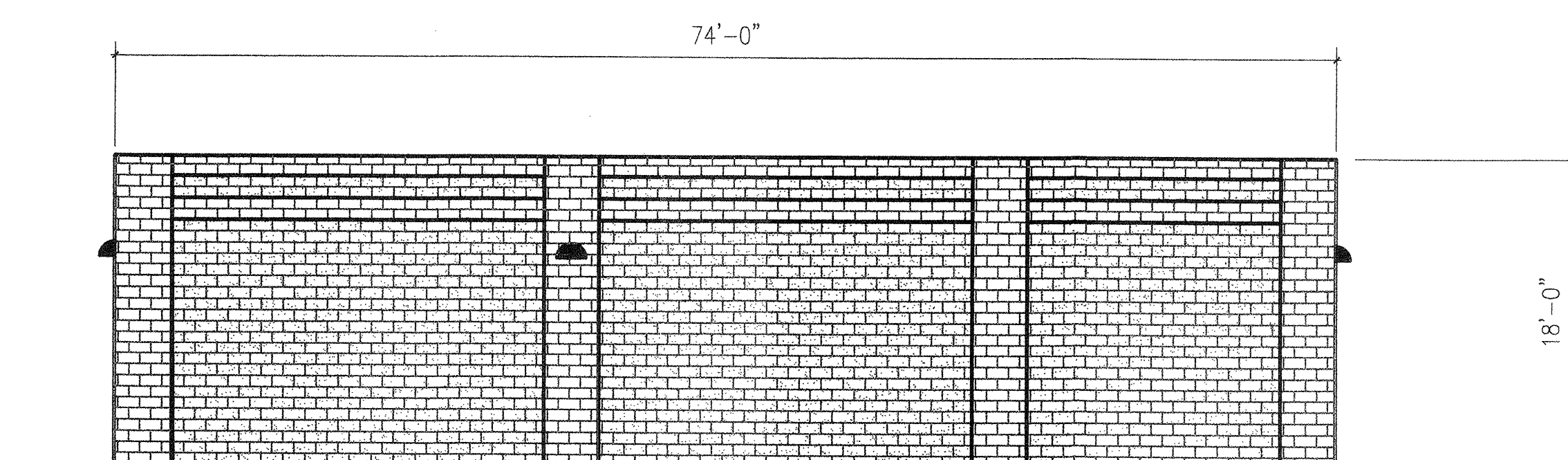
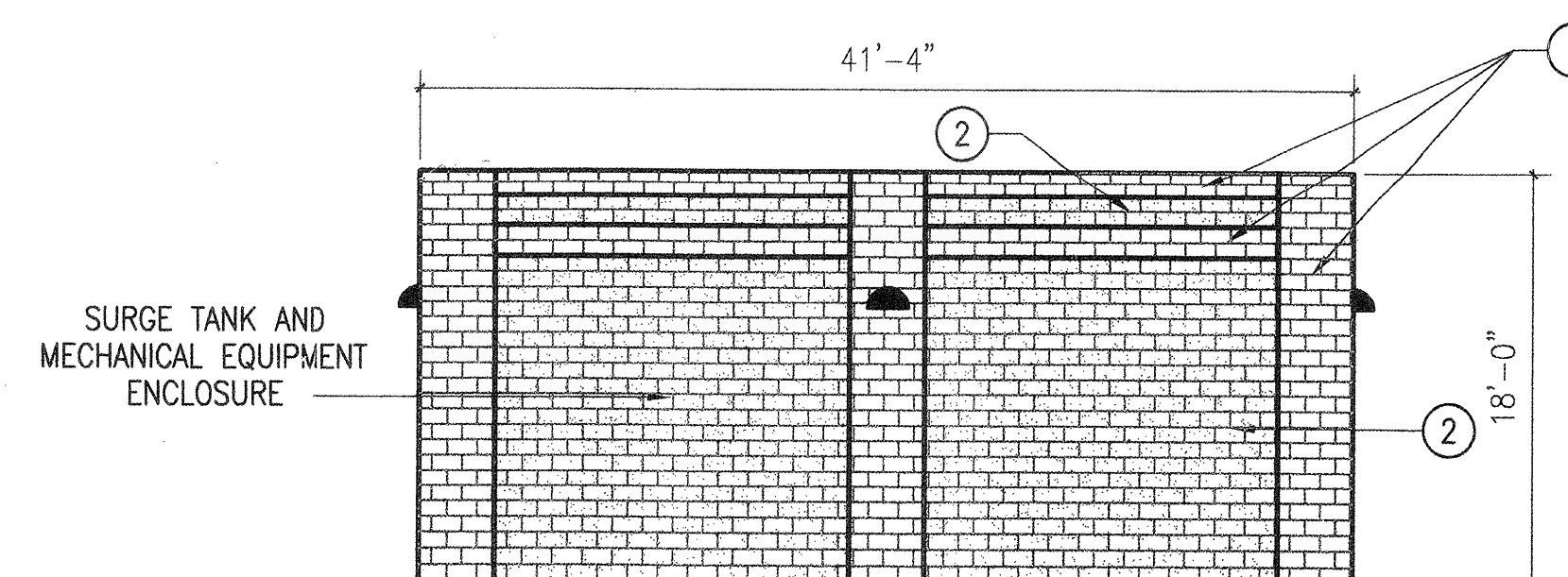
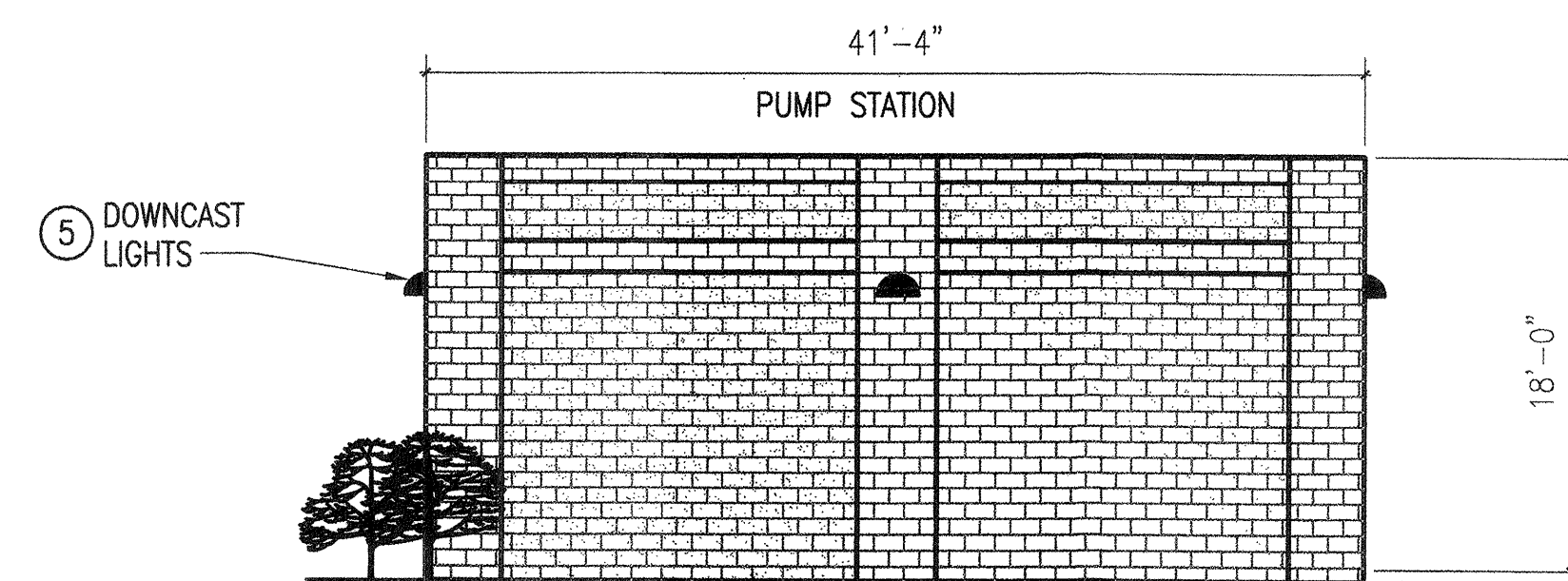
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2701 MILES RD SE
ALBUQUERQUE, NM 87106
TEL: 505.242.2700 FAX: 505.242.0573

MOLZEN-CORBIN & Associates
ENGINEERS/ARCHITECTS/PLANNERS

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
TITLE: CHEMICAL STORAGE FACILITIES COLLEGE SITE - BUILDING ELEVATIONS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
CITY PROJECT NO.	Zone Map No.	SHEET	OF
6408.91	H-9-Z	DRAWING NO.	A-9



GENERAL NOTES

- 1 BUILDING CLASS V-N
2 OCCUPANCY GROUP F-2

KEYED NOTES ○

- 1 BURNISHED FACE CMU, COLOR CI, CSR "7627"
- 2 SPLIT FACE CMU, COLOR CI, CSR "7627"
- 3 DOORS, SHERWIN WILLIAMS 2239 "ESPANADE"
- 4 TRIM, DOWNSPOUTS AND CONDUCTORS
SHERWIN WILLIAMS 2243 "WETLANDS"
- 5 FULL-CUTOFF LIGHT FIXTURES ANGLED
DOWNWARD TO MINIMIZE FUGITIVE LIGHT
ONTO ADJACENT LANDS.
- 6 ROOFING WILL BE NON-REFLECTIVE AND
COVERED WITH BROWN GRAVEL. ALL
ROOF PENETRATIONS WILL BE PAINTED
TO MATCH THE ROOF COLOR.

[illegible]

0 4' 8' 16' 20'

1/8" = 1'-0"

LEEDSHILL-HERKENHOFF, INC
an ASCG Company
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: COLLEGE PUMP STATION
BUILDING ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.	
City Project No.	6386 91	Zone Map No.	H-9	Sheet	Of