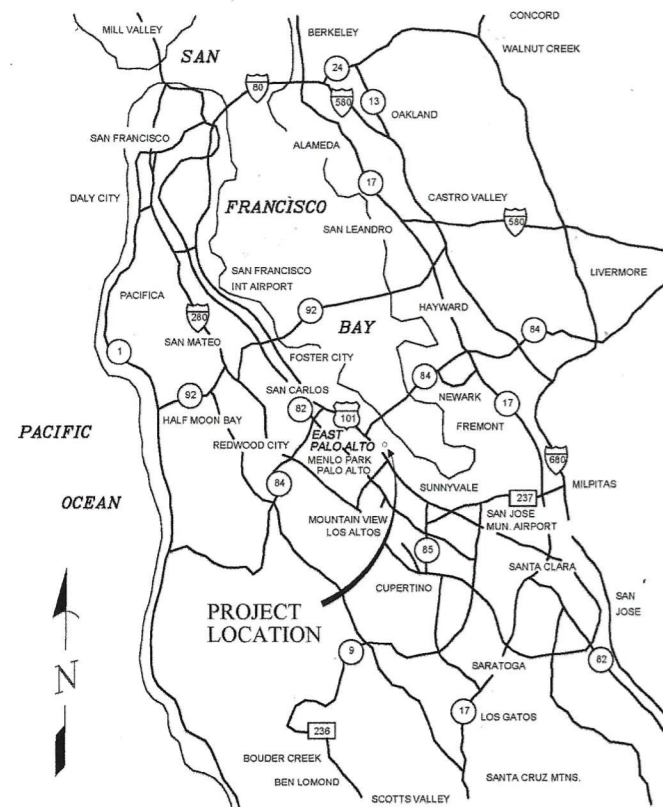
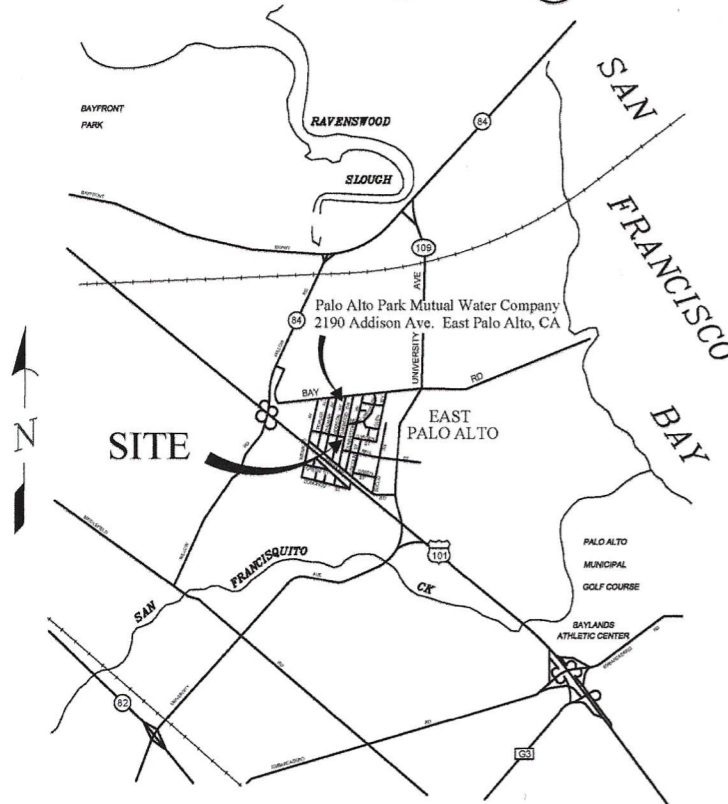


Construction Drawings

WELL 3 REPLACEMENT for PALO ALTO PARK MUTUAL WATER CO. EAST PALO ALTO, CA



VICINITY MAP
No Scale



LOCATION MAP
No Scale

List of Drawings

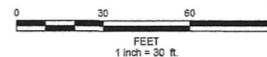
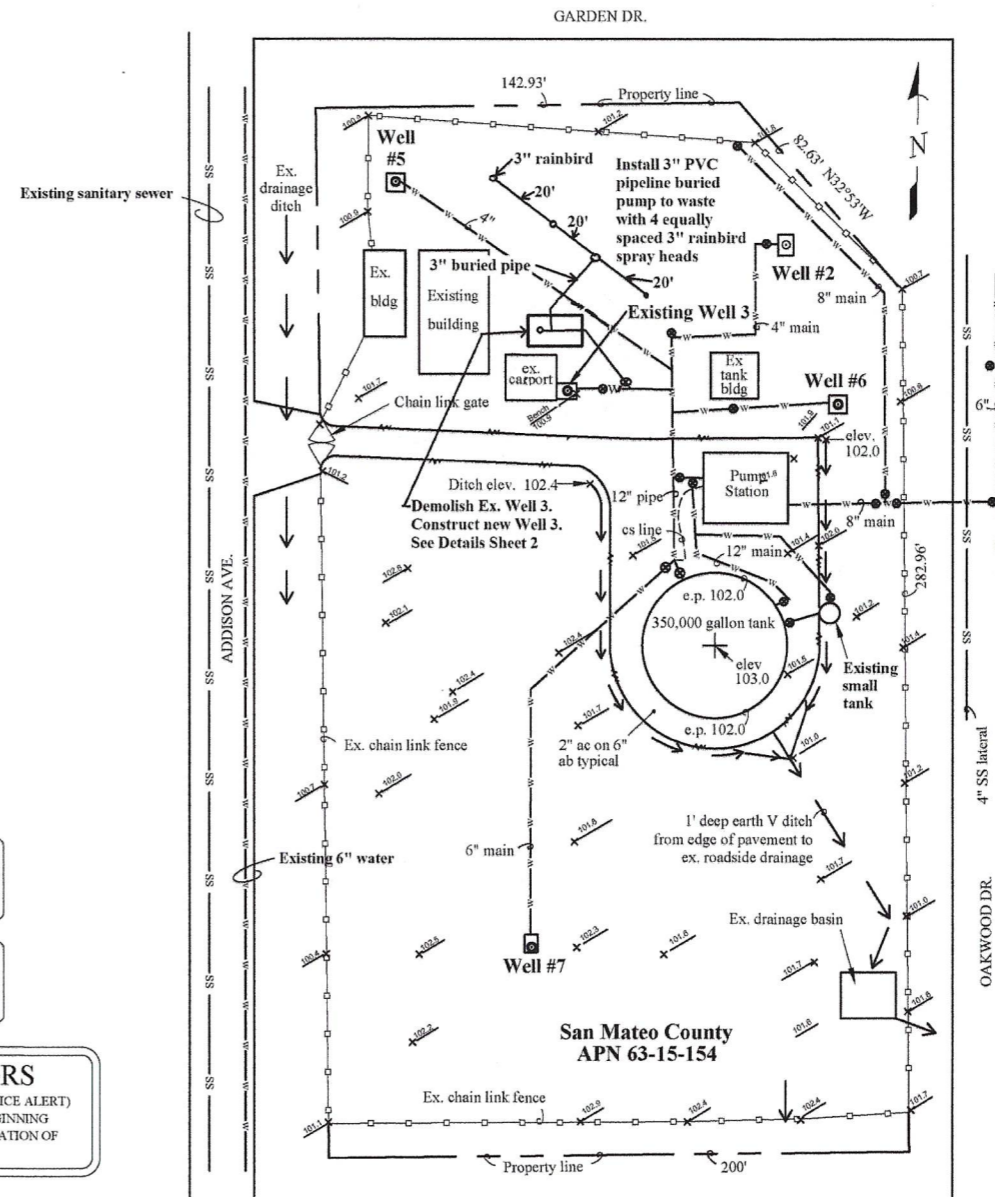
- Cover Sheet
- Site Plan and Details

NOTE:
POTHOLE AND VERIFY DEPTH, LOCATION,
& DIMENSION OF ALL EXISTING UTILITIES
PRIOR TO ANY CONSTRUCTION

NOTE:
CONTRACTOR TO VERIFY UTILITY TYPE
& SIZE PRIOR TO ORDERING MATERIALS
FOR CONSTRUCTION

NOTICE TO CONTRACTORS

CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT)
AT 800-227-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING
UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF
UNDERGROUND UTILITIES



SITE PLAN
Scale: 1" = 30'

| REVISIONS | BY |
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COVER SHEET
WELL 3 REPLACEMENT
PALO ALTO PARK MUTUAL WATER COMPANY
EAST PALO ALTO, CALIFORNIA

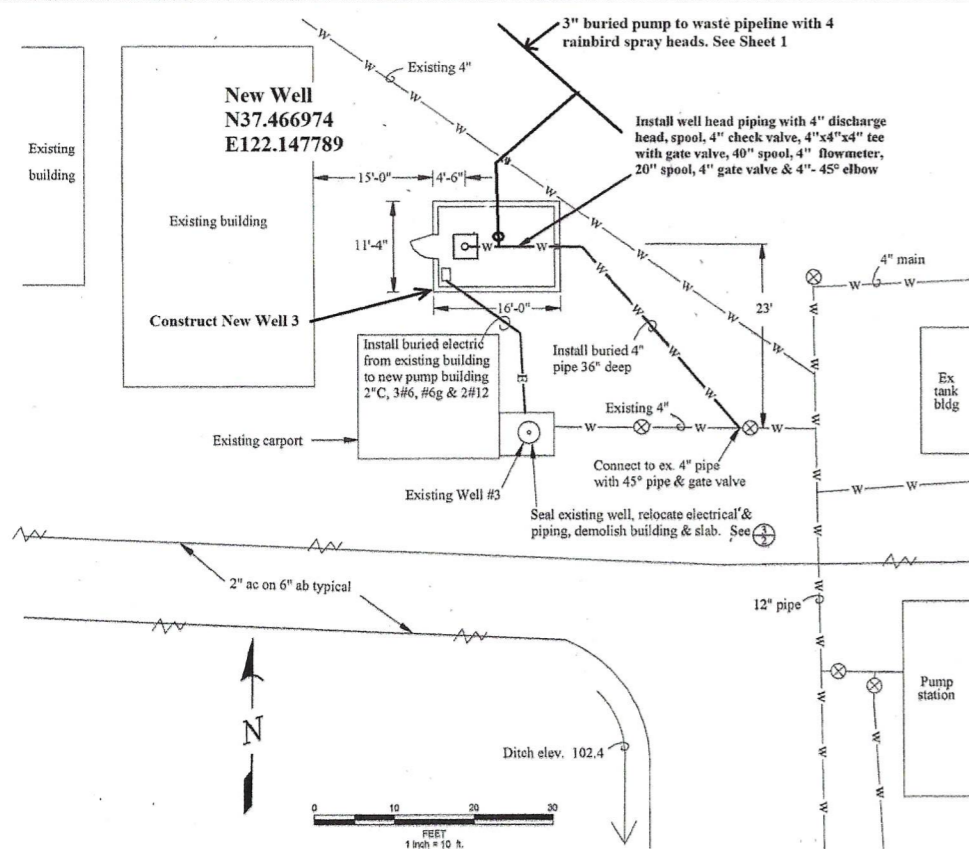
FREITAS + FREITAS
Engineering and Planning Consultants, Inc.
 3233 Valencia Ave., Suite A1
 Palo Alto, CA 94303
 Phone (650) 688-1168
 Fax (650) 688-1218

| | |
|-------|------------------|
| Date | June 2022 |
| Scale | As Shown |
| Drawn | Digital Graphics |
| Job | 22005 |
| Sheet | 1 of 2 |

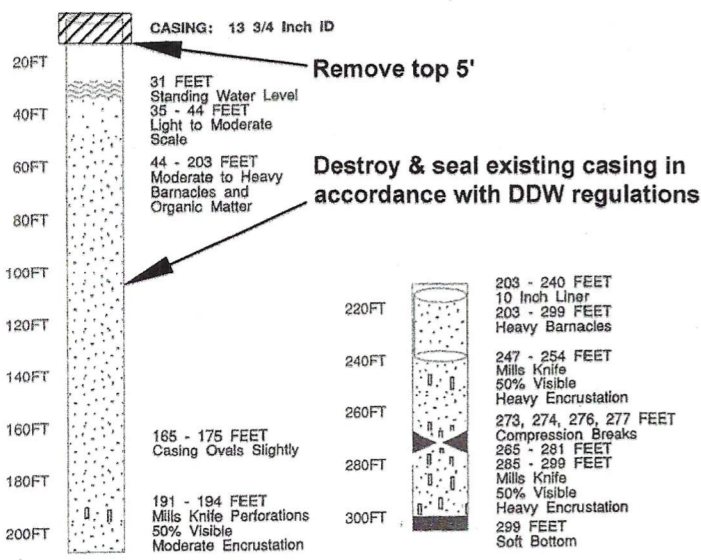


Michael Freitas

01/20/22, 1:00 PM, Palo Alto Park Mutual Water, Well 3, Palo Alto Park Mutual Water, Inc., 6/15/2022 12:25:59 PM

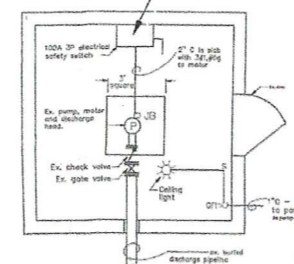


ENLARGED WELL PLAN
Scale 1" = 10'-0"



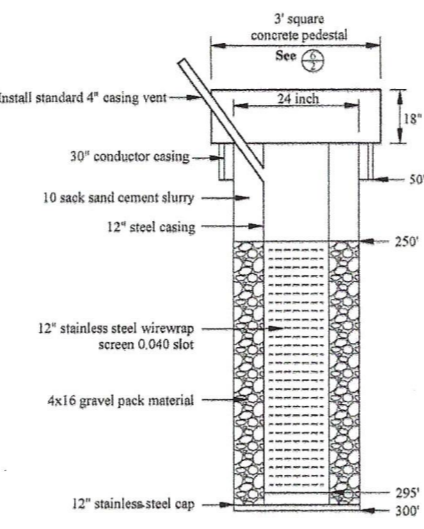
EXISTING WELL 3 DETAILS
Not to scale

Remove existing 100 A safety switch & install new conduit & wiring to new building 2"C, 3#1, #6g & 3#10 for light



EXISTING WELL 3 BUILDING
Scale 1/4" = 1'-0"

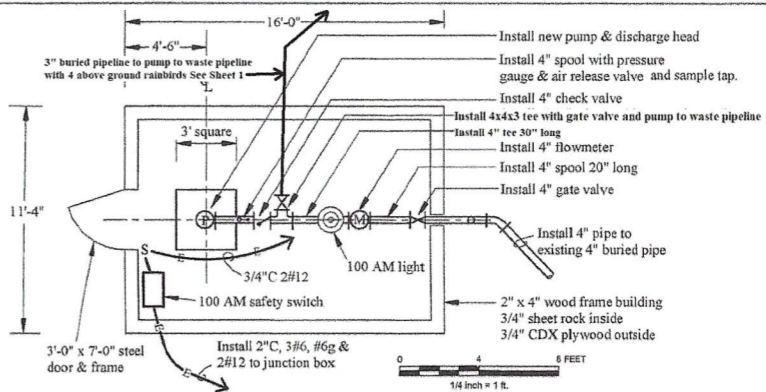
- Notes for Existing Well 3 Demolition**
- All piping and pump materials shall be removed.
 - The existing well casing shall be sealed and destroyed in accordance with California Division of Drinking Water Standards.
 - The existing concrete pedestal shall be removed to the level of the existing concrete slab.
 - An electrical junction box shall be installed in the existing building which shall contain the 220 volt circuit and the 120 volt lighting circuit. These circuits and wiring shall be run to the new Well 3 building.



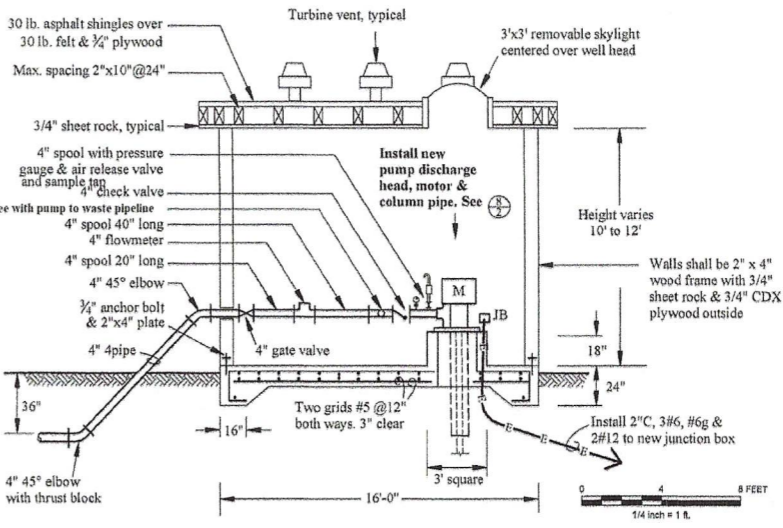
NEW WELL 3 CONSTRUCTION DETAIL
Not to scale

- Pump and Electrical System Notes**
- All electrical work shall conform to the latest edition of the National and California Electrical Codes.
 - The existing Motor Control Center in the existing Pump Building contains a 100 amp 220 volt three phase starter and overload relays. This system shall be utilized for the new Well 3 pump and motor.
 - A new pump shall be furnished and installed complete with surface discharge head and motor. The pump shall be 10 stage Floway 8FKH 30 Hp 220 volt three phase with 150 feet of 4 inch column pipe. The pump size shall be determined after the well is pump tested.
 - A ground level explosion proof electrical junction box shall be installed at the the existing building which shall contain the 220 volt circuit and the 120 volt lighting circuit. These circuits and wiring shall be run to the new Well 3 building as shown on the plan.

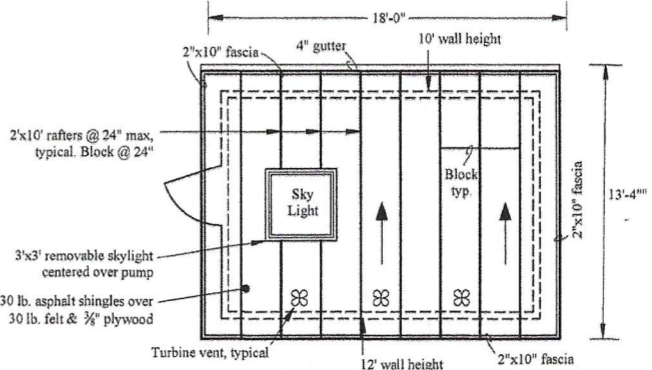
PUMP & ELECTRICAL PLAN SYSTEM NOTES
No Scale



NEW WELL 3 BUILDING PLAN
Scale 1/4" = 1'-0"



NEW WELL 3 BUILDING SECTION
Scale 1/4" = 1'-0"



ROOF FRAMING PLAN
Scale 1/4" = 1'-0"

1/4 inch = 1 ft.



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SITE PLAN AND DETAILS
WELL 3 REPLACEMENT
PALO ALTO PARK MUTUAL WATER COMPANY
EAST PALO ALTO, CALIFORNIA

FREITAS + FREITAS
Engineering and Planning Consultants, Inc.
Apex, CA 95005
3235 Valencia Ave., Suite A1
Phone (831) 688-1218
Fax (831) 688-1218

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| Date | June 2022 |
| Scale | As Shown |
| Drawn | Digital Graphics |
| Job | 22005 |
| Sheet | 2 of 2 |
| Sheets | |

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