CITY OF MORGAN HILL

BOYS RANCH WELL #2A AND JACKSON WELL #3
WELL PUMP STATIONS

MARCH 2017

INDEX OF SHEETS

Sheet # | Title
---|---
G-1 | TITLE SHEET
G-2 | ABBREVIATIONS, NOTES AND SYMBOLS
G-3 | PRODUCTION WELL PROFILE - BOYS RANCH WELL #2A
G-4 | PRODUCTION WELL PROFILE - JACKSON WELL #3
G-5 | PRODUCTION WELL PROFILES
C-1 | SITE PLAN - BOYS RANCH WELL #2A
C-1A | SITE PLAN - JACKSON WELL #3
C-1B | SITE PLAN - BOYS RANCH WELL #2A
C-2 | GRADING PLAN - BOYS RANCH WELL #2A
C-2A | GRADING PLAN - JACKSON WELL #3
E-3 | CIVIL DETAILS
C-4 | STANDARD DETAILS
C-5 | STANDARD DETAILS II
M-1 | PUMP STATION PIPING - BOYS RANCH WELL #2A
M-1A | PUMP STATION PIPING - JACKSON WELL #3
M-2 | MECHANICAL DETAILS I
M-3 | MECHANICAL DETAILS II
M-4 | MECHANICAL DETAILS III
E-1 | ELECTRICAL SITE PLAN - BOYS RANCH WELL #2A
E-2 | ELECTRICAL SITE PLAN - JACKSON WELL #3
E-2A | BUILDING ELECTRICAL PLAN - JACKSON WELL #3
E-3 | SINGLE LINE DIAGRAM - BOYS RANCH WELL #2A
E-3A | SINGLE LINE DIAGRAM - JACKSON WELL #3
E-4 | CONTROL WIRING DIAGRAM - BOYS RANCH WELL #2A
E-4A | CONTROL WIRING DIAGRAM - JACKSON WELL #3
E-5 | PLC INPUT/OUTPUT - BOYS RANCH WELL #2A
E-5A | PLC INPUT/OUTPUT - JACKSON WELL #3
E-6 | PLC INPUT/OUTPUT/COMMUNICATION - BOYS RANCH WELL #2A
E-6A | PLC INPUT/OUTPUT/COMMUNICATION - JACKSON WELL #3
E-7 | ELECTRICAL DETAILS-BOYS RANCH WELL #2A
E-7A | ELECTRICAL DETAILS-JACKSON WELL #3
E-8 | ELECTRICAL DETAILS-BOYS RANCH WELL #2A
E-8A | ELECTRICAL DETAILS-JACKSON WELL #3

LOCATION MAP
NO SCALE
**BOYS RANCH WELL #2A LITHOLOGY**

Depth

- 0'
- 55'
- 70'
- 85'
- 100'
- 220'
- 235'
- 280'
- 372'

Description

- Cobbles
- Brown Clay and Cobbles
- Brown Clay and Gravel
- Brown Clay
- Brown Clay and Gravel
- Brown Clay and Black Shale
- Brown Clay and Gravel
- Clay and Gravel

**BOYS RANCH WELL #2A ELECTRICAL LOG**

**BOYS RANCH WELL #2A WELL PROFILE**

- Depth +2'
- Depth +17'
- Depth +100'
- Depth +216'
- Depth +236'
- Depth +246'
- Depth +326'
- Depth +336'
- Depth +372'

- 54" Dia. Borehole
- Starter Pipe
- 48" Dia. x 12 Gauge CWP
- Sandbar Seal
- 10.3 Sea Sand/Cement Grout
- 40" Dia. Borehole
- Conductor Casing
- 30" O.D. x 3/8" Wall
- ASTM A53 Grade B Steel
- 28" Dia. Borehole
- Well Casing
- 16.625" O.D. x 3/8" Wall
- ASTM A139 Grade B Steel (Typ)
- Wire-Wrapped Well Screen
- 16.625" O.D. x 0.70" Slot Size Type 304 Stainless Steel (Typ)
- Casing Envelope
- 6x12 Monterey Sand
- Well Sump w/35" End Cap
- 16.625" O.D. x 3/8" Wall
- ASTM A-139 Grade B Steel

**NOTE:**

THE DATA PROVIDED ON THIS SHEET IS FOR INFORMATION PURPOSES. SEE SHEETS M-16 M-2 FOR INFORMATION REGARDING THE PUMP AND PEDESTAL INSTALLATION.

**AS-BUILT**

G-3
JACKSON WELL #3
TEST HOLE LITHOLOGY

Depth

Description

Clayey Gravel with Sand – brownish yellow, fine to very coarse sand
Clayey Gravelly Sand – brownish yellow, fine to very coarse sand
Clayey Sand with Gravel – fine to very coarse sand
Sandy Clay with Gravel – fine to very coarse sand
Silty Clay with trace Sand – yellowish brown, fine to very coarse sand
Sandy Clay with trace Clay – yellowish brown, fine to very coarse sand
Clayey Sand with Gravel – yellowish brown, fine to very coarse sand
Sandy Clay – yellowish brown
Clayey Gravel with Sand – yellowish brown, fine to very coarse sand
Sandy Clay with Gravel – yellowish brown, fine to very coarse sand
Clayey Sand – yellowish brown, fine to very coarse sand
Sandy Clay – yellowish brown, fine to very coarse sand
Clayey Sand – yellowish brown, fine to very coarse sand
Sandy Clay – yellowish brown, fine to very coarse sand
Clayey Sand – yellowish brown, fine to very coarse sand
Sandy Clay – yellowish brown, fine to very coarse sand
Clayey Sand – yellowish brown, fine to very coarse sand
Sandy Clay with Gravel – fine to very coarse sand
Sandy Clay – yellowish brown, fine to very coarse sand
Sandy Clay with Gravel – fine to very coarse sand
Clayey Sand – yellowish brown, fine to very coarse sand
Gravelly Sand – fine to very coarse sand
Sandy with Clay – yellow brown, fine to very coarse sand
Sandy Gravel with Clay – fine to very coarse sand
Sandy Gravel with Clay – fine to very coarse sand
Gravelly Sand – blockish sand, fine to very coarse sand
Sandy Gravel with Clay – fine to very coarse sand
Gravelly very coarse Sand – blockish, fine to very coarse sand
Clayey Gravelly Sand – yellow brown, fine to very coarse sand
Gravelly Sand – fine to very coarse sand
Sandy Gravel with Clay – fine to very coarse sand
Clayey Sandy Gravel – fine to very coarse sand

NOTE:
The data provided on this sheet is for information purposes. See sheet M-1A & M-2 for information regarding the pump and pedestal installation.
Note:
Liner Well Completion Report
No. 510025A Dated
May 5, 1997