

UTILITY NOTES

- CONTRACTOR IS RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES AND APPURTENANCES (ON PUBLIC AND PRIVATE PROPERTY) THAT COULD BE AFFECTED BY THE PROJECT. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE COSTS INCURRED RESULTING FROM DAMAGING ANY UTILITIES TO REMAIN.
- CONTRACTOR SHALL VERIFY SIZES AND DEPTHS OF UTILITIES THAT THIS PROJECT WILL CONNECT INTO. IF CONDITIONS IN THE FIELD DEViate FROM THOSE IN THE PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER OF THOSE DEVIATIONS PRIOR TO CONNECTING TO THOSE UTILITIES AND INSTALLING DOWNSTREAM FACILITIES.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES, CITY OF BERKELEY FIRE DEPARTMENT AND OTHER AGENCIES AND COMPLY WITH THEIR RESPECTIVE REQUIREMENTS.
- NEW WATER FACILITIES INCLUDING BACKFLOW PREVENTERS, METERS AND HYDRANTS SHALL CONSIST OF MATERIALS AND BE INSTALLED IN ACCORDANCE WITH EBMUD REQUIREMENTS AND STANDARDS. EBMUD WILL INSTALL ALL PIPE AND FACILITIES, INCLUDING TRENCHING AND BACKFILL FROM EXISTING WATER MAIN TO NEW METER. CONNECTIONS TO EBMUD FACILITIES SHALL BE UNDER EBMUD SUPERVISION. SEE SPECS FOR ADDITIONAL INFORMATION.
- BACKFLOW PREVENTERS SHALL BE INSTALLED PER MANUFACTURERS INSTALLATION AND IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
- SEE SPECIFICATIONS FOR INFORMATION ON NEW SANITARY SEWER LIFT STATION.
- DEPTH OF WATER PIPE SHALL BE MINIMUM 3 FEET BELOW FINISHED GROUND SURFACE.
- GAS FACILITIES TO BE DESIGNED BY PG&E. GAS FACILITY SIZE AND LOCATION SHOWN HEREIN TO BE VERIFIED BY PG&E.
- SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND DETAILS.
- TRENCHING FOR ALL UTILITIES SHALL AT A MINIMUM COMPLY WITH THE CITY OF BERKELEY'S STANDARD TRENCH DETAIL. EBMUD AND PG&E MAY HAVE STRICTER GUIDELINES.

THRUST BLOCK TABLE				
REQUIRED TOTAL BEARING AREA (SF)				
PIPE SIZE	TEE	90°	45°	22 1/2° OR LESS
4" OR LESS	3	4	2	1
6"	4	5	3	2

- NOTES:
- 1- CONTRACTOR TO INSTALL THRUST BLOCKS PER TABLE.
- 2- CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL PIPE BENDS, SIZE AS SPECIFIED ABOVE AND MINIMUM 12" THICK. POUR AGAINST UNDISTURBED SOIL AND PROTECT FITTINGS WITH 10 MIL. VISQUEEN. USE 2,500 PSI CONCRETE CONTAINING 5 SACKS OF CEMENT PER CUBIC YARD.

LEGEND

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LIMIT OF CORPS JURISDICTION

LIMIT OF WORK OF EQUIPMENT OPERATION

LIMIT OF WORK OF HAND REMOVAL

LEED BOUNDARY

LIMIT OF WORK OF EASTERN TOUCHDOWN PLAZA

PROPERTY LINE

EASEMENT

EDGE OF WATER
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AREA DRAIN (E)

18" X 18" AREA DRAIN

4" AREA DRAIN

LIGHT POLE (E)

LIGHT POLE

POWER POLE (E)

FIRE HYDRANT

CURB INLET
- SD—

—W—

—FM—

—SS—

—F—

---PP---PP---

STORM DRAIN

WATER

FORCE MAIN

SANITARY SEWER

FIRE

4" PERF PIPE

STORM PIPE (E)

BACKFLOW DEVICE WITH CAGE

WATER METER
- NG—

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GAS LATERAL

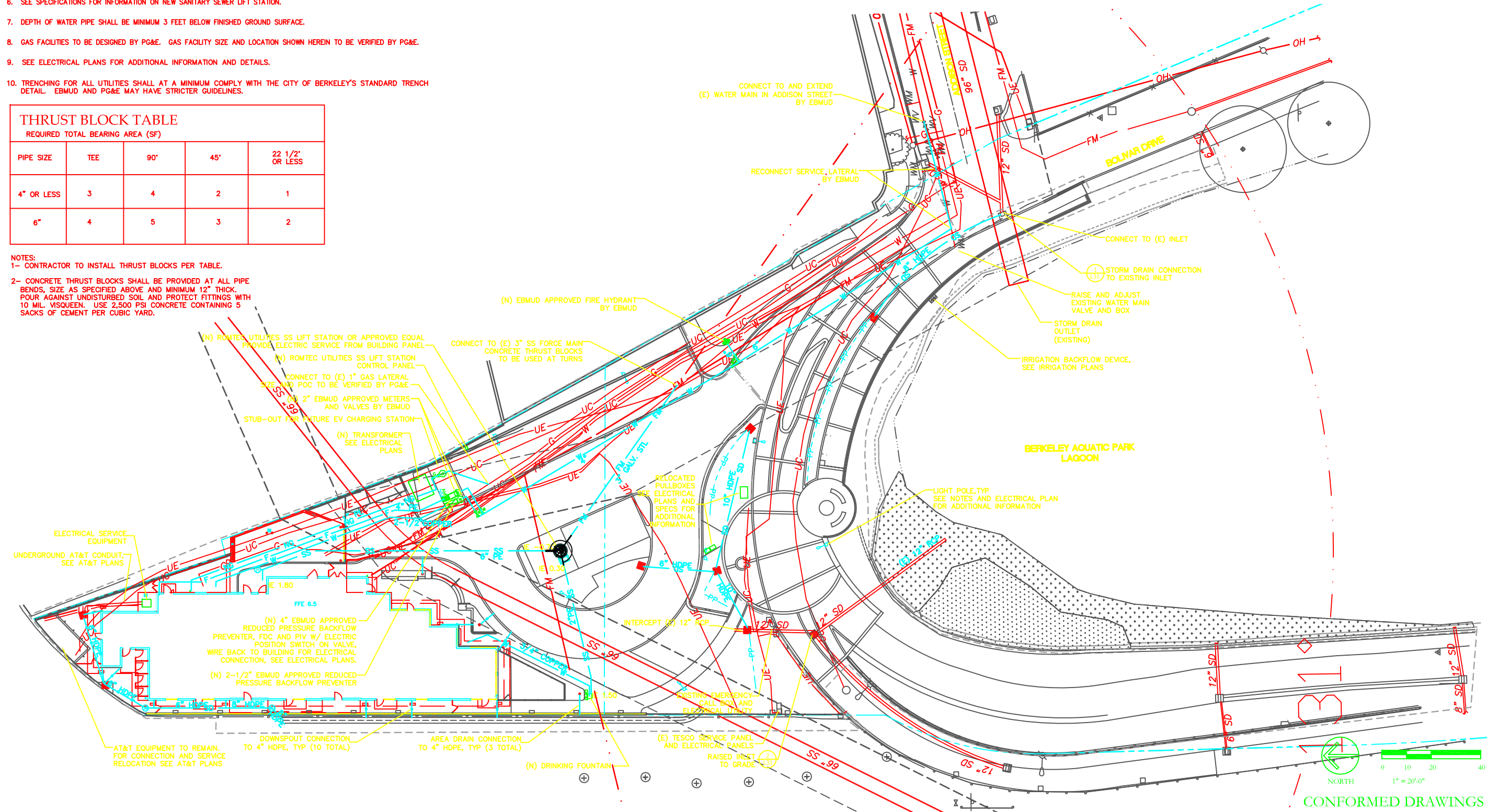
GAS VALVE

GAS METER

WATER VALVE (EBMUD APPROVED)

FDC

PIV



DC&E

DESIGN, COMMUNITY & ENVIRONMENT

1625 SHATTUCK AVENUE
SUITE 300
BERKELEY, CA 94709
TEL: 510 848 3815
FAX: 510 848 4315

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6/04/2010

100%

PROJECT TITLE:

The Dona Spring Animal Shelter

1 Bolivar Drive, Berkeley, CA 94710

City of Berkeley

Alameda County

California

DRAWING TITLE:

Utility Plan

SCALE: 1:20

DATE: 06/04/10

JOB #: 684A

SPEC #: 09-10431-C

REVISIONS:

DRAWING NO:

L6.0

SHEET 6 OF 34 SHEETS

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