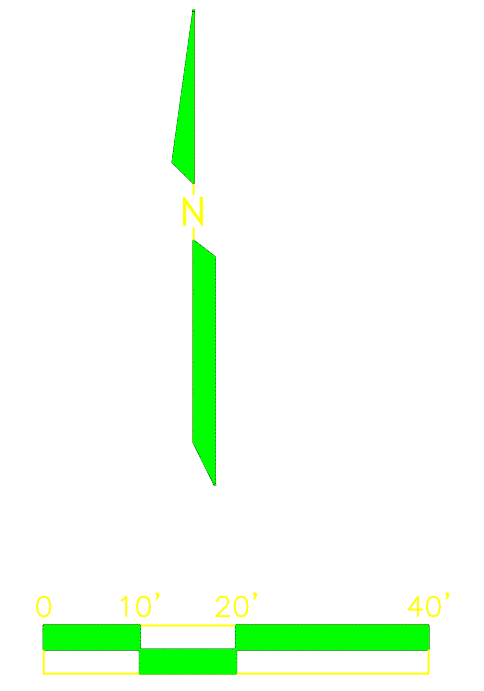




LEGEND

- F.H. EX. FIRE HYDRANT
- PROP. FIRE HYDRANT
- X SET CHISELED "X" SET
- F.X. CHISELED "X" FOUND
- F.I.R. IRON ROD FOUND (SIZE AS NOTED)
- S.I.R. IRON ROD SET (SIZE AS NOTED)
- U.P.P. OVERHEAD UTILITY POLE W/ GUY
- U.E. UNDERGROUND ELECTRIC OR TELEPHONE
- L.P. LIGHT POLE
- S.S.M.H. EX. SANITARY SEWER MANHOLE
- S.S.M.H. PROP. SANITARY SEWER MANHOLE
- S.W.R. SAN. SWR. CLEAN OUT
- G.V. GAS VALVE
- W.V. EX. WATER VALVE
- T PROP. WATER VALVE
- W.L.R. WATER LINE REDUCER
- TREE

--- EXIST. STORM SEWER
 --- EXIST. SANITARY SEWER
 --- EXIST. WATER
 --- PROP. SANITARY SEWER
 --- PROP. WATER
 --- PROP. STORM SEWER



WATER LINE GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR VETERANS AFFAIRS.
2. ALTERNATE - ALL 6" AND 8" WATER MAINS SHALL BE PVC ANWA C900, DR 18, CLASS 200 WATER PIPE. ALL 10" AND 12" WATER MAINS SHALL BE PVC ANWA C900, CLASS 150 WATER PIPE. FOR PVC SERVICE TAPS 1" AND LARGER, TAPPING SADDLES SHALL BE USED.
3. ALL WATER MAINS SHALL HAVE MINIMUM COVER AS FOLLOWS: 6", 8", 10", AND 12", 48" BELOW FINISHED PAVEMENT GRADE, OR 60" BELOW EXISTING OR FINISHED GRADE IN UNPAVED AREAS, OR AS REQUIRED TO CLEAR OTHER UTILITIES.
4. FIRE HYDRANTS TO BE VETERANS AFFAIRS APPROVED.
5. VALVES TO BE VETERANS AFFAIRS APPROVED.
6. THE WATER METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION WILL BE MARKED ON THE PAVED OR CURB, WITH A BLUE DOT BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS."
7. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO VETERANS AFFAIRS TO RUN TWO (2) YEARS FROM THE DATE OF ACCEPTANCE OF THE SYSTEM BY VETERANS AFFAIRS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD DRAWING" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER SERVICES AND VALVES.
9. FIRE HYDRANTS SHALL BE PAINTED AS PER VETERANS AFFAIRS STANDARDS AND SPECIFICATIONS AND LOCATED IN A PROTECTED AREA WITH 6" CURB OR BOLLARDS.
10. STEAMER NOZZLES ON FIRE HYDRANTS SHALL BE 18" ABOVE THE TOP OF THE CURB ON FINISHED GRADE, AND SHALL FACE THE CENTER OF THE FIRE LANE OR STREET. FIRE HYDRANTS SHALL USUALLY BE LOCATED FOUR (4) FEET, BUT NOT LESS THAN THREE (3) FEET NOR MORE THAN SIX (6) FEET, BEHIND THE CURB.
11. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED PER VETERANS AFFAIRS STANDARDS AND SPECIFICATIONS.
12. ALL WATER LINES SHALL BE STERILIZED PER VETERANS AFFAIRS STANDARDS AND SPECIFICATIONS.
13. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THAT NECESSARY CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO THE CONSTRUCTION OF ANY SUCH CROSSING.
14. UTILITY TRENCHES SHALL BE BACKFILLED WITH MATERIAL PER VETERANS AFFAIRS SPECIFICATIONS.
15. FIRE HYDRANTS SHALL BE INSTALLED PER VETERANS AFFAIRS STANDARD DETAILS.
16. ALL WATER SERVICES OUTSIDE OF EASEMENTS SHALL BE INSTALLED BY A PLUMBER. 18. ALL WATER SERVICES ARE TYPE "K" COPPER.
17. CONTRACTOR TO INCLUDE ALL VETERANS AFFAIRS WATER AND SEWER FEES IN BID, AS WELL AS "PAY CITY" IMPACT FEES FOR WATER & S.S.
18. THRUST BLOCKING AT ALL BENDS, TEES & PLUGS SHALL BE INSTALLED PER VETERANS AFFAIRS REQUIREMENTS.

DRAINAGE GENERAL NOTES

1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO VETERANS AFFAIRS STANDARD SPECIFICATIONS.
2. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER, OR HIS REPRESENTATIVE REGARDING ANY DEVIATIONS FROM THESE PLANS.
4. CONTRACTOR SHALL MAINTAIN ONE SET OF RECORD DRAWINGS (AS BUILT) ON SITE WHICH WILL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF THIS PROJECT.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, SEWER LATERALS, WATER SERVICE, ETC.
6. THE CONTRACTOR SHALL SET UTILITIES TO PROPER LINE AND GRADE PRIOR TO THE PLACING OF PERMANENT PAVEMENT.
7. ALL STORM SEWER PIPE SHALL CONFORM TO VETERANS AFFAIRS SPECIFICATIONS AND SHALL BE MANUFACTURED FROM ONE OF THE FOLLOWING MATERIALS:
 - a. CLASS III RCP Diameter 12"-60"
 - b. SDR 35 PVC Diameter 8"-10"
8. ALL STORM PIPES ARE PRIVATE EXCEPT THOSE SHOWN IN CITY & STATE R.O.W.
9. ALL RCP PIPE INSTALLATION SHALL CONFORM TO THE AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION MANUAL.
10. GRATE INLETS TO BE PRECAST, SINGLE GRATE INLET MANUFACTURED BY BROOKS PRODUCTS INC. (1-817-467-2783) WITH TRAFFIC BEARING GRATE, OR APPROVED EQUAL.

NOTE:
 THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON THE PLANS THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.



1	1/16/12	REV. WATER AND STORM LOCATIONS PER CONTRACTOR AS-BUILT PLANS
REV.	DATE	REMARKS
UTILITY PLAN		
VETERANS AFFAIRS MEDICAL CENTER PARKING GARAGE		
S.E.C. EAST ANN ARBOR AVENUE & LIBERTY LOOP		
THE CITY OF DALLAS, TEXAS		
BURGER ENGINEERING		17103 Preston Road, Suite 180N Dallas, Texas 75248 Office: 972.630.3360 Fax: 972.630.3380 TBPE F-12997
DESIGN	DRAWN	DATE
BMB	JAC	04/01/11
SCALE	NOTES	FILE
1"=20'	D.P.	016-001B UTILITY
NO.	NO.	
C-6		