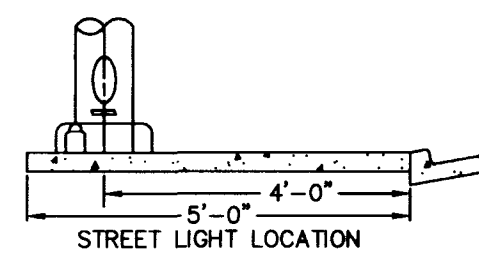
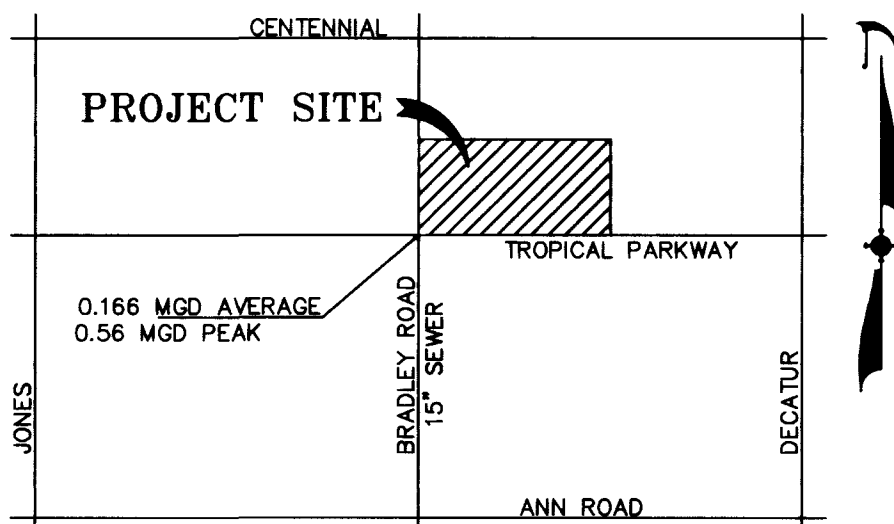


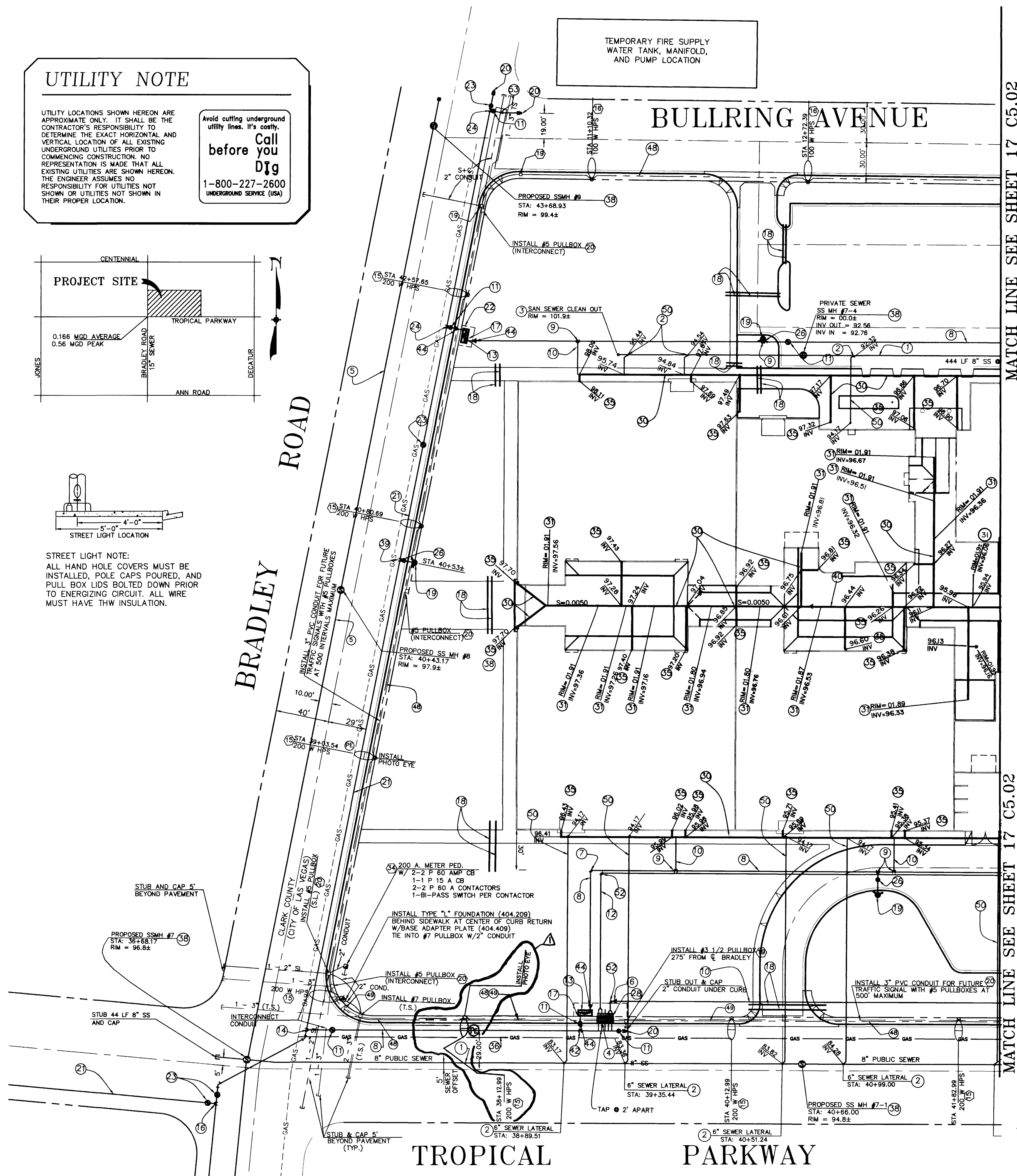
UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.
Call you
Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)



STREET LIGHT NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.



MATCH LINE SEE SHEET 17 C5.02

MATCH LINE SEE SHEET 17 C5.02

UTILITY NOTES:

- 8" PVC SANITARY SEWER LINE
- 6" PVC WYE, THE PLUMBING CONTRACTOR SHALL COORDINATE THE CONNECTION TO SANITARY SEWER WITH BUILDING SEWER LATERALS, SEE PLUMBING DRAWINGS
- 6" CLEANOUT W/ 2 45° BENDS
- INSTALL 5 - 2" WATER METERS PER UDACS PLATE 1D
- INSTALL 15" SANITARY SEWER LINE
- INSTALL 6" X 4" REDUCER W/THRUST BLOCK
- INSTALL 10" CAST IRON ELL (90°) W/THRUST BLOCK
- INSTALL 10" WATER MAIN AWWA C-900 CLASS 150
- INSTALL 10" X 6" CAST IRON TEE W/THRUST BLOCK
- INSTALL 10" GATE VALVE
- INSTALL 4" SERVICE LINE FOR DOMESTIC SERVICE
- INSTALL CLA-VOL CO. 8" MODEL D88NY DOUBLE CHECK DETECTOR VALVE ASSEMBLY
- INSTALL 12" X 10" REDUCER W/THRUST BLOCK
- INSTALL 10" X 6" REDUCER W/THRUST BLOCK
- INSTALL 12" CAST IRON TEE W/ THRUST BLOCK
- INSTALL 8" DOUBLE CHECK DETECTOR ASSEMBLY PER UDACS PLATE 20B
- INSTALL 6" PVC CONDUIT FOR LANDSCAPING
- INSTALL FIRE HYDRANT PER UDACS PLATE NO 7
- INSTALL 10" STUB AND CAP W/ 2" BLOWOFF
- INSTALL 12" WATER MAIN AWWA C-900 CLASS 150
- L.V.V.W.D. EASEMENT
- INSTALL 12" GATE VALVE
- INSTALL 12" X 10" CAST IRON TEE W/THRUST BLOCK
- INSTALL 6" CAST IRON ELL (90°) W/THRUST BLOCK
- INSTALL 6" GATE VALVE
- INSTALL 5 - 2" RPPA'S PER UDACS PLATE 11A
- INSTALL 8" ADS DRAIN PIPE
- INSTALL 8" INLINE DRAIN PER DETAIL 'W' SHEET 22 C7.04
- ON ALL ROOF DRAIN OUTLETS EXTEND PIPE TO CAST IRON ROOF DRAINAGE PIPING SEE PLUMBING DRAWINGS
- 4" STEEL GAS LINE INSTALLED BY SOUTHWEST GAS
- CONSTRUCT UTILITY TRENCH PER DETAIL 'BB' SHEET 23 C7.05
- INSTALL 48" SANITARY SEWER MANHOLE PER DCS STD DWG SD-1
- INSTALL 12" X 6" TEE W/THRUST BLOCK
- INSTALL 12" ADS DRAIN PIPE
- INSTALL 10" CAST IRON TEE W/THRUST BLOCK
- INSTALL 8" X 10" REDUCER W/THRUST BLOCK
- INSTALL 8" GATE VALVE
- INSTALL 8" CAST IRON TEE W/THRUST BLOCK
- INSTALL 2" CONDUIT
- INSTALL 3" CONDUIT
- 6" PVC SANITARY SEWER LINE
- INSTALL 4" CAST IRON ELL (90°) W/ THRUST BLOCK
- INSTALL 10" CAST IRON ELL (11-1/4") W/ THRUST BLOCK

CONDUIT FOR TRAFFIC SIGNAL (T.S.) PER STD DWG 404.1306
NOTE: CONDUIT FOR TRAFFIC SIGNAL AND CONDUIT FOR INTERCONNECT ARE TWO SEPARATE SYSTEMS AND SHALL NOT BE MIXED, ALTHOUGH BOTH CAN USE THE SAME TRENCH.

FIRE FLOW CALCULATION

FIRE FLOW REQUIREMENT IS 2,625 GALLONS PER MINUTE AT 20 PSI RESIDUAL

BASED ON:

SQUARE FOOTAGE 148,569 S.F. (6 BUILDINGS)
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 62,034 S.F.
BUILDING HEIGHT ONE-STORY
TYPE OF CONSTRUCTION II-N & II-IH
OCCUPANCY: A-2.1, A-3, B-2, E-1
FULL AUTOMATIC FIRE SPRINKLER SYSTEM YES

UTILITY QUANTITIES

6008 LF 12" WATER LINE
2150 LF 10" WATER LINE
30 LF 8" WATER LINE
1245 LF 6" WATER LINE
837 LF 4" WATER LINE
502 LF 1/2" WATER LINE
2 EA 8" DOUBLE CHECK DETECTOR ASSEMBLY
8 EA 12" GATE VALVES
4 EA 10" X 8" REDUCER
1 EA 12" X 10" REDUCER
1 EA 6" X 4" REDUCER
4 EA 10" BEND (90°)
1 EA 10" BEND (11-1/4")
2 EA 12" X 10" TEE
1 EA 12" X 6" TEE
10 EA 10" X 6" TEE
1 EA 8" TEE
2 EA 10" GATE VALVE
1 EA 8" GATE VALVE
8 EA 6" GATE VALVE
1 EA 4" GATE VALVE
8 EA 6" FIRE HYDRANT
2 EA 8" CAP W/ 2" BLOWOFF
9 EA 48" SANITARY SEWER MANHOLES
2042 LF 15" SANITARY SEWER LINE
1818 LF 8" SANITARY SEWER LINE
1387 LF 6" SANITARY SEWER LATERALS
1 EA 8" CLEAN OUTS
320 LF 18" RCP STORM SEWER
18 EA 8" ADS INLINE DRAINS
2 EA 48" STORM DRAIN MANHOLE

PE PHOTO EYE

REDUCED PRESSURE PRINCIPLE ASSEMBLY - 2" (5 ea.)
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 2 - 8"
THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.

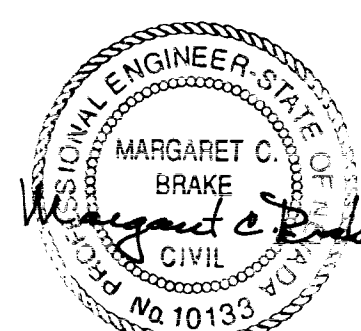
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ORIGINALLY Approved 5/31/96
MARGARET C. BRAKE 9/6/96
LVWD DATE

CONSTRUCTION NOTES

- INSTALL STREET LIGHT SERVICE POINT WITH 100 AMP BREAKER PER STD DWG NO 325
- INSTALL 200W HPS LUMINAIRE PER STD DWG NO 309 WITH FOUNDATION PER STD DWG NO 318
- INSTALL 100W HPS LUMINAIRE PER STD DWG NO 309 WITH FOUNDATION PER STD DWG NO 318
- INSTALL NO 3-1/2 PULLBOX PER STD DWG NO 337
- INSTALL NO 5 PULLBOX PER STD DWG NO 338
- 200 AMP 240 WATT PAD MOUNT SERVICE W/ 2-60 AMP 2P CB 1-15 AMP 1P CB 2-60 AMP 2P CONTACTORS

NOTE: 1 BI-PASS SWITCH PER CONTACTOR



DESIGNED BY: R.D.C.
DRAWN BY: C.S.S.
CHECKED BY: M.C.B.
APR. 15, 1996

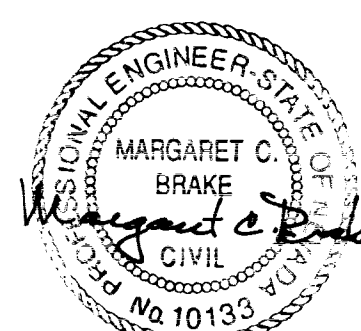
LIED MIDDLE SCHOOL
CCSD #0844
UTILITY PLAN - WEST HALF

BY APP'D
M.C.B. 9/6/96

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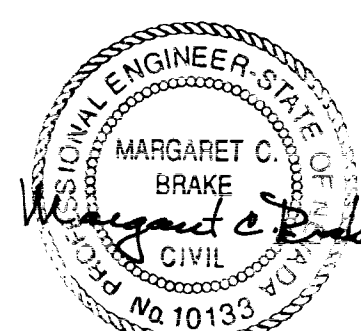
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