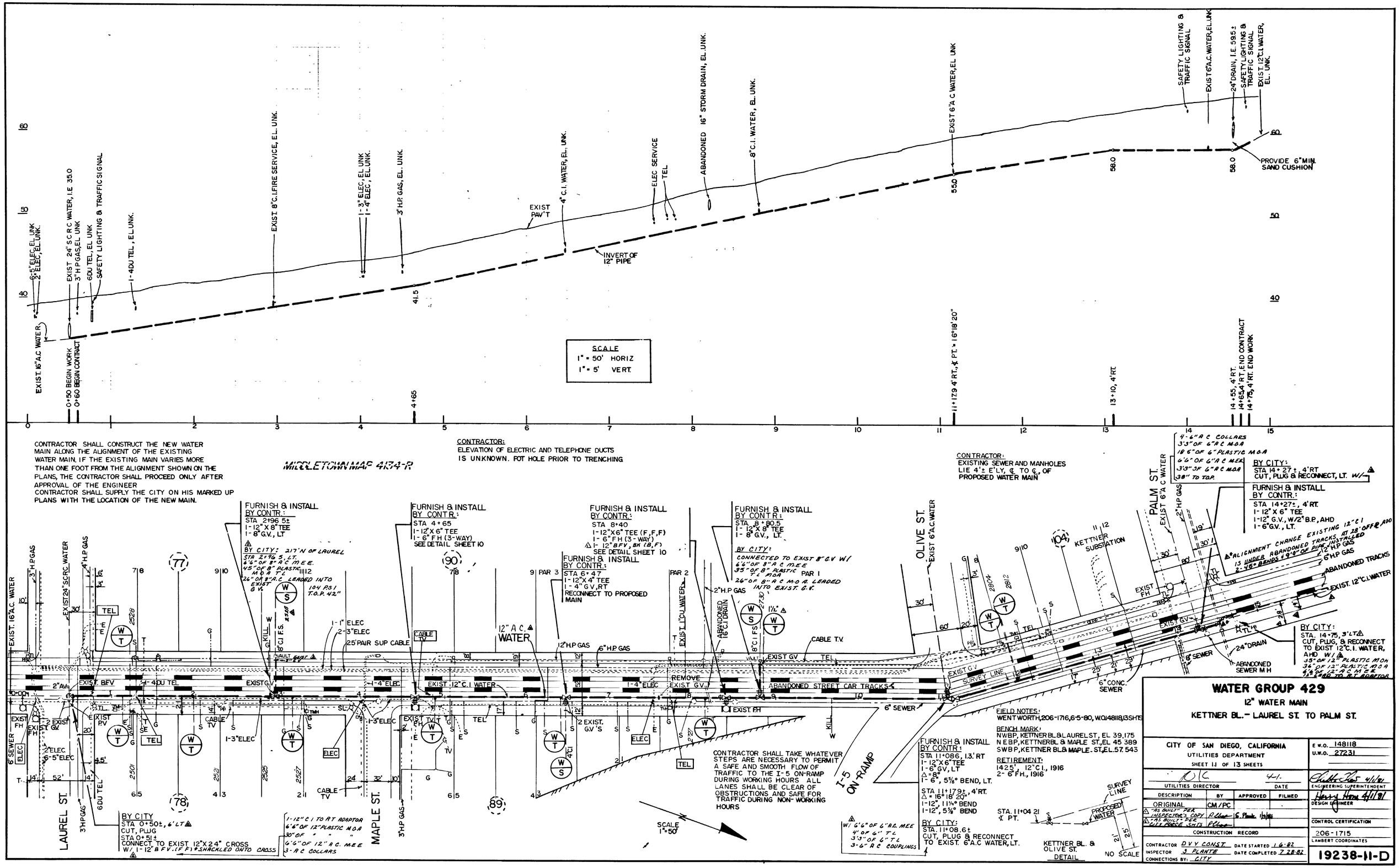
EXIST. 16" A.C. WATER
6-5" ELEC, EL. UNK.
2-ELEC, EL. UNK.
EXIST. 24" S.C.R.C. WATER, I.E. 35.0
3" H.P. GAS, EL. UNK.
60U TEL., EL. UNK.
SAFETY LIGHTING & TRAFFIC SIGNAL
1-40U TEL., EL. UNK.
EXIST. 8" C.I. FIRE SERVICE, EL. UNK.
1-3" ELEC., EL. UNK.
1-4" ELEC., EL. UNK.
3" H.P. GAS, EL. UNK.
EXIST PAV'T
4" C.I. WATER, EL. UNK.
INVERT OF 12" PIPE
ELEC. SERVICE
TEL.
ABANDONED 16" STORM DRAIN, EL. UNK.
8" C.I. WATER, EL. UNK.
EXIST 6" A.C. WATER, EL. UNK.
SAFETY LIGHTING & TRAFFIC SIGNAL
EXIST 6" A.C. WATER, EL. UNK.
24" DRAIN, I.E. 59.5±
SAFETY LIGHTING & TRAFFIC SIGNAL
EXIST. 12" C.I. WATER, EL. UNK.
PROVIDE 6" MIN. SAND CUSHION
SCALE
1" = 50' HORIZ
1" = 5' VERT.
0+50 BEGIN WORK
0+60 BEGIN CONTRACT
4+65
11+17.9 4' RT., ∡ PT. = 16°18'20"
13+10, 4' RT.
14+55, 4' RT.
14+65.4' RT. END CONTRACT
14+75, 4' RT. END WORK
CONTRACTOR SHALL CONSTRUCT THE NEW WATER MAIN ALONG THE ALIGNMENT OF THE EXISTING WATER MAIN. IF THE EXISTING MAIN VARIES MORE THAN ONE FOOT FROM THE ALIGNMENT SHOWN ON THE PLANS, THE CONTRACTOR SHALL PROCEED ONLY AFTER APPROVAL OF THE ENGINEER
CONTRACTOR SHALL SUPPLY THE CITY ON HIS MARKED UP PLANS WITH THE LOCATION OF THE NEW MAIN.
MIDDLETOWN MAP 4134-R
CONTRACTOR:
ELEVATION OF ELECTRIC AND TELEPHONE DUCTS IS UNKNOWN. POT HOLE PRIOR TO TRENCHING
CONTRACTOR:
EXISTING SEWER AND MANHOLES LIE 4'± E'LY, ℄ TO ℄, OF PROPOSED WATER MAIN
FURNISH & INSTALL
BY CONTR.:
STA 2+96.5±
1-12" X 8" TEE
1-8" G.V., LT
BY CITY: 217'N OF LAUREL
STA 2+96.5 LT.
6'6" OF 8" A.C. M.E.E.
45° OF 8" PLASTIC M.O.A. T.L.
26" OF 8" A.C. LEADED INTO EXIST. G.V.
104 P.S.I. T.O.P. 42"
FURNISH & INSTALL
BY CONTR.:
STA 4+65
1-12" X 6" TEE
1-6" F.H. (3-WAY)
SEE DETAIL SHEET 10
FURNISH & INSTALL
BY CONTR.:
STA 8+40
1-12" X 6" TEE (F,F,F)
1-6" F.H. (3-WAY)
△ 1-12" BFV, BH (B,F)
SEE DETAIL SHEET 10
FURNISH & INSTALL
BY CONTR.:
STA 6+47
1-12" X 4" TEE
1-4" G.V., RT
RECONNECT TO PROPOSED MAIN
FURNISH & INSTALL
BY CONTR.:
STA 8+80.5
1-12" X 8" TEE
1-8" G.V., LT.
BY CITY:
CONNECTED TO EXIST 8" C.I. W/ 6'6" OF 8" A.C. M.E.E. 35° OF 8" PLASTIC T.L. M.O.A.
26" OF 8" A.C. M.O.A. LEADED INTO EXIST. G.V.
4-6" A.C. COLLARS
3'3" OF 6" A.C. M.O.A.
18'6" OF 6" PLASTIC M.O.A.
6'6" OF 6" A.C. M.E.E.
3'3" OF 6" A.C. M.O.A.
38" TO T.O.P.
BY CITY:
STA. 14+27±, 4' RT.
CUT, PLUG & RECONNECT, LT. W/ △
FURNISH & INSTALL
BY CONTR.:
STA. 14+27±, 4' RT.
1-12" X 6" TEE
1-12" G.V., W/2" B.P., AHD
1-6" G.V., LT.
△* ALIGNMENT CHANGE EXISTING 12" C.I. IS UNDER ABANDONED TRACKS AT 28° OFF ℄ AND 2-45° BENDS & 9'6" OF PIPE INSTALLED
BY CITY:
STA. 14+75, 3' LT △
CUT, PLUG, & RECONNECT TO EXIST 12" C.I. WATER, A.H.D. W/ △
35° OF 12" PLASTIC M.O.A.
36" OF 12" PLASTIC M.O.A.
4-45° 12" A.C. M.E.E.
12" A.C. TO RT. ADAPTOR
BY CITY
STA 0+50±, 6' LT △
CUT, PLUG
STA 0+51±
CONNECT TO EXIST 12" X 24" CROSS W/ 1-12" BFV (F,F) * SHACKLED ONTO CROSS
1-12" C.I. TO RT. ADAPTOR
6'6" OF 12" PLASTIC M.O.A.
30" OF " " "
6'6" OF 12" A.C. M.E.E.
3-A.C. COLLARS
CONTRACTOR SHALL TAKE WHATEVER STEPS ARE NECESSARY TO PERMIT A SAFE AND SMOOTH FLOW OF TRAFFIC TO THE I-5 ON-RAMP DURING WORKING HOURS. ALL LANES SHALL BE CLEAR OF OBSTRUCTIONS AND SAFE FOR TRAFFIC DURING NON-WORKING HOURS
SCALE 1" = 50'
FURNISH & INSTALL
BY CONTR.:
STA. 11+08.6
CUT, PLUG & RECONNECT TO EXIST. 6" A.C. WATER, LT.
△ W/ 6'6" OF 6" A.C. M.E.E.
4' OF 6" T.L.
3'3" OF 6" T.L.
3-6" A.C. COUPLINGS
KETTNER SUBSTATION
KETTNER BL. & OLIVE ST. DETAIL
NO SCALE
SURVEY LINE
PROPOSED WATER
STA. 11+04.21 ∡ PT.
I-5 ON-RAMP
LAUREL ST.
MAPLE ST.
OLIVE ST.
PALM ST.
12" A.C. WATER
EXIST. 12" C.I. WATER
ABANDONED TRACKS
ABANDONED STREET CAR TRACKS
REMOVE
6" SEWER
6" CONC. SEWER
ABANDONED SEWER M.H.
24" DRAIN
EXIST. F.H.
EXIST. G.V.
CABLE T.V.
25' PAIR SUP CABLE
1-1" ELEC
2-3" ELEC
1-3" ELEC
1-4" ELEC
2" H.P. GAS
6" H.P. GAS
12" H.P. GAS
EXIST. 24" S.C.R.C. WATER
EXIST. 6" A.C. WATER
EXIST. 12" C.I. WATER
EXIST. 8" C.I. F.S.
ABANDONED 16" C.I. DRAIN
EXIST. 1" C.I. WATER
EXIST. B.F.V.
2" AVs
2 EXIST. G.V.'S
EXIST. P.V.
EXIST. T.V.
6" SEWER
ELEC
TEL
CABLE TV
KILL
SURVEY LINE
FIELD NOTES:
WENTWORTH, 206-1716, 6-5-80, W.O. 148118, 13 SHTS
BENCH MARK:
NWBP, KETTNER BL. & LAUREL ST., EL 39.175
NEBP, KETTNER BL. & MARLE ST., EL 45.389
SWBP, KETTNER BL. & MAPLE ST., EL. 57.543
RETIREMENT:
1425', 12" C.I., 1916
2-6" F.H., 1916
WATER GROUP 429
12" WATER MAIN
KETTNER BL. - LAUREL ST. TO PALM ST.
CITY OF SAN DIEGO, CALIFORNIA
UTILITIES DEPARTMENT
SHEET 11 OF 13 SHEETS
UTILITIES DIRECTOR
DATE
ENGINEERING SUPERINTENDENT
DESIGN ENGINEER
CONTROL CERTIFICATION
LAMBERT COORDINATES
E.W.O. 148118
U.W.O. 27231
DESCRIPTION | BY | APPROVED | FILMED
ORIGINAL | CM/PC
△ "AS BUILT" PER INSPECTOR'S COPY
△ "AS BUILT" PER FIELD FORCE SHEETS
CONSTRUCTION RECORD
CONTRACTOR D V Y CONST.
DATE STARTED 1-6-82
INSPECTOR J. PLANTE
DATE COMPLETED 7-28-82
CONNECTIONS BY: CITY
206-1715
19238-11-D