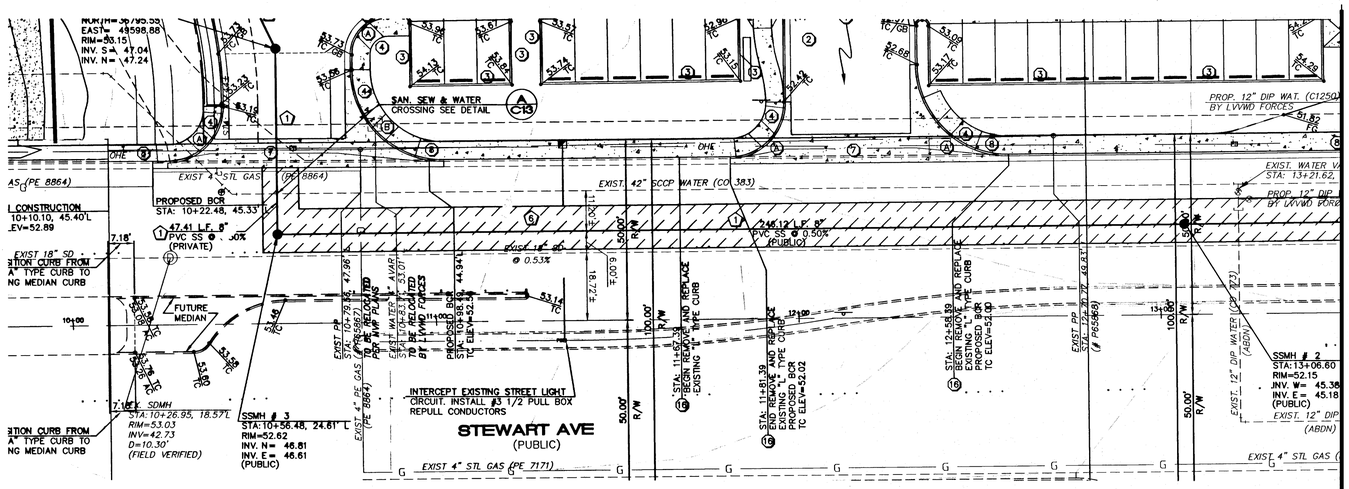
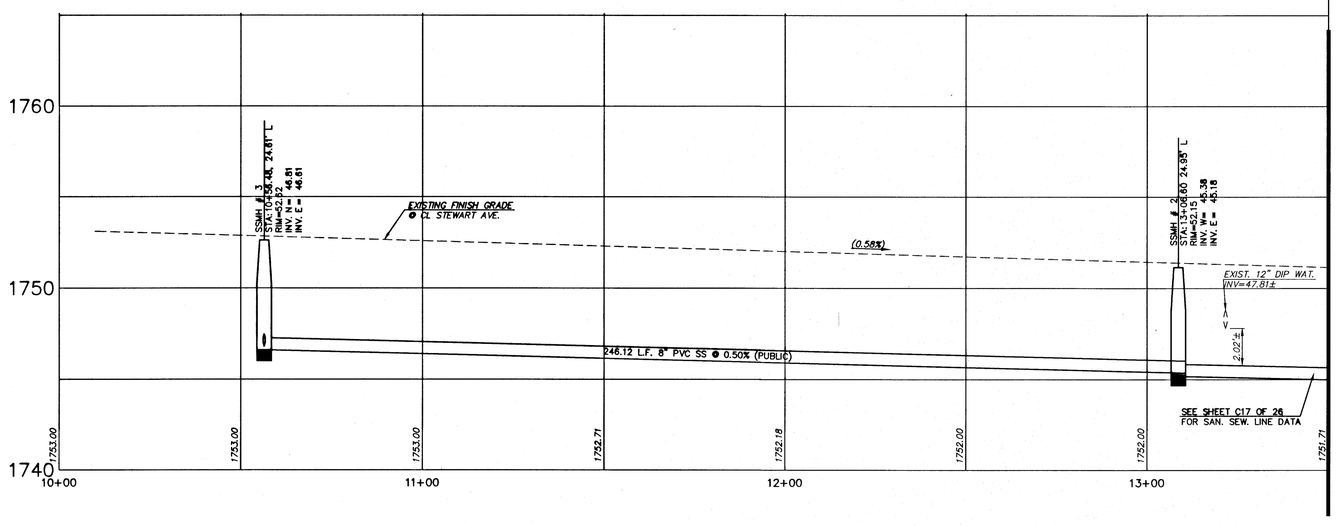


STEWART AVE. SANITARY SEWER

HORIZONTAL SCALE: 1"=20
VERITCAL SCALE: 1"=5'



GRADING NOTES

1. ALL GRADING SHALL BE PERFORMED AS SHOWN ON THESE PLANS. NO DEVIATION FROM THESE PLANS IS PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
2. ALL PAD AND ONSSITE SWALE ELEVATIONS SHOWN ON THESE PLANS ARE ROUGH GRADE ONLY. ALL OTHER GRADES ARE FINISHED GRADES
3. A COPY OF THE APPROVED GRADING PLANS ARE TO BE ON THE JOB SITE THROUGHOUT THE ENTIRE COURSE OF CONSTRUCTION
4. ALL GRADING IS TO BE PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT AS FOLLOWS:
   TERRACON
   PROJ # 64055095
   DATED 07-22-2005
5. NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES

LEGEND

- CENTERLINE
- PROPERTY LINE
- RIGHT OF WAY
- 1234 EXISTING CONTOUR W/ELEVATION
- EXISTING CURB & GUTTER
- (34.40) TC EXISTING GRADES
- EXISTING STREET LIGHT
- TC TOP OF CURB
- FL FLOW LINE
- AC ASPHALT CONCRETE
- SW SIDEWALK
- 34.30 TC PROPOSED GRADE
- 0' FC 0' FACE CURB
- 1234 PROPOSED CONTOUR W/ELEVATION

PROPOSED	EXISTING	
25 L.F. 8" PVC WAT.	EX. 8" PVC WAT.	WATER LINE
25 L.F. 8" PVC SS @ 2.00%	EX. 8" PVC SS @ 2.0%	SANITARY SEWER LINE
N/A	EX. 2" GAS	GAS LINE
N/A	O.H.P	OVERHEAD POWER LINE
N/A	TEL	TELEPHONE LINE
N/A	CATV	CABLE TELEVISION LINE
DCDA	DCDA	DCDA
RPPA	RPPA	RPPA
FMCT	FMCT	FMCT
		FIRE HYDRANT
		WATER VALVE
		WATER METER
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
		FIRE DEPT. CONNECTION (BY OTHERS)

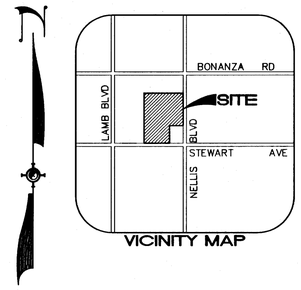
CONSTRUCTION NOTES - WATER

ITEM	QUANTITY PUBLIC	QUANTITY PRIVATE
1 INSTALL 2" PVC WATER	N/A	1542 L.F.
2 INSTALL 6" PVC WATER	N/A	2423 L.F.
3 INSTALL 8" PVC WATER	N/A	433 L.F.
4 INSTALL 6" GATE VALVE PER UDACS PLATE #'S 3 & 8	N/A	11 EA.
5 INSTALL 8" DCDA PER UDACS PLATE # 11C	1 EA.	1/A
6 INSTALL 2" RPPA PER UDACS PLATE # 11A	1 EA.	N/A
7 INSTALL 2" DOMESTIC METER PER UDACS PLATE # 1D	1 EA.	N/A
8 INSTALL 8" X 90° BEND PER UDACS PLATE # 5	N/A	7 EA.
9 INSTALL 8" X 45° BEND PER UDACS PLATE # 5	N/A	5 EA.
10 INSTALL 8" X 22.5° BEND PER UDACS PLATE # 5	N/A	2 EA.
11 INSTALL 8" X 8" TEE PER UDACS PLATE # 5	N/A	4 EA.
12 INSTALL 8" X 6" TEE PER UDACS PLATE # 5	N/A	11 EA.
13 INSTALL 6" X 90° BEND PER UDACS PLATE # 5	N/A	2 EA.
14 INSTALL 2" X 90° BEND PER UDACS PLATE # 5	N/A	5 EA.
15 NOT USED	N/A	N/A
16 INSTALL 2" X 2" TEE PER UDACS PLATE # 5	N/A	5 EA.
17 INSTALL FIRE HYDRANT PER UDACS PLATE # 7	N/A	11 EA.
18 12.00' X 15.00' LVVWD EASEMENT	150 S.F.	N/A
19 INSTALL 6" X 2" SERVICE SADDLE PER UDACS PLATE # 1D	1 EA.	N/A
20 INSTALL 8" X 6" REDUCER PER UDACS PLATE # 5	1 EA.	N/A
21 5' X 5' CONCRETE PAD	N/A	11 EA.
22 INSTALL VEHICULAR PROTECTION BOLLARD PER UDACS PLATE # 23	N/A	11 EA.
23 INSTALL 8" GATE VALVE PER UDACS PLATE #'S 3 & 8	N/A	8 EA.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



VICINITY MAP

GRADING NOTES

ITEM	QUANTITY PUBLIC	QUANTITY PRIVATE
1 CONSTRUCT 3" AC OVER 6" TYPE II AB PER SOILS REPORT	N/A	3" AC = 19,792 S.Y. 6" TYPE II = 3,299 C.Y.
2 CONSTRUCT "L" TYPE CURB PER STD DWG NO 216	N/A	1,330 L.F.
3 CONSTRUCT "A" TYPE CURB PER STD DWG NO 219	N/A	2,171 L.F.
4 CONSTRUCT HANDICAP RAMP (CASE II) PER C.C.S.D NO. 235 (SEE NOTE THIS SHEET)	8 EA.	6 EA.
5 CONSTRUCT 3' WIDE VALLEY GUTTER PER DETAIL A/C20	N/A	1,109.93 L.F.
6 CONSTRUCT VARIABLE WIDTH 4" THICK SIDEWALK PER C.C.S.D NO. 234	N/A	20,029 S.F.
7 CONSTRUCT 8' WIDE VALLEY GUTTER PER C.C.S.D NO. 228	2,434 S.F.	N/A
8 CONSTRUCT 5' WIDE 4" THICK SIDEWALK PER C.C.S.D NO. 234	825 S.F.	N/A
9 CONSTRUCT 2' WIDE SIDEWALK UNDERDRAIN PER C.C.S.D NO. 236	2 EA.	N/A
10 SAWCUT, TRENCH AND BACKFILL PER C.C.S.D NO. 504	618 S.Y.	N/A
11 INSTALL CLASS 150 – 6" Dw 12" RIP RAP	644 S.Y.	N/A
12 CONSTRUCT DEPRESSED CURB PER DETAIL B/C10	N/A	1 EA.
13 CONSTRUCT 2' WIDE VALLEY GUTTER PER DETAIL H/C20	N/A	1,109.93 L.F.
14 CONSTRUCT CURB TRANSITION PER DETAIL A/C8	N/A	N/A
15 INSTALL PRECAST BUMPER BLOCKS PER C.C.S.D. 238	N/A	27 EA.
16 REMOVE AND REPLACE EXISTING "L" TYPE CURB AND GUTTER PER C.C.S.D. 219	146 L.F.	N/A

CONSTRUCTION NOTES - SANITARY

ITEM	QUANTITY PUBLIC	QUANTITY PRIVATE
1 INSTALL 8" PVC SAN SEW	537 L.F.	459 L.F.
2 INSTALL 6" PVC SAN SEW	N/A	528 L.F.
3 INSTALL 48" STD. SAN. SEW. MANHOLE	3 EA.	2 EA.
4 INSTALL SAN SEW CLEANOUT SEE DETAIL C15 OF 26	N/A	9 EA.
5 INSTALL 1500 GAL GREASE INTERCEPTOR JENSEN PRECAST MODEL #JP1500EE-G OR APPROVED EQUAL	N/A	3 EA
6 SAWCUT, TRENCH AND BACKFILL PER C.C.S.D NO. 504	618 S.Y.	N/A

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 before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
CALL 1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CIRCUITS IT'S COSTLY
CALL BEFORE YOU DIG UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROBERT GELU
EXP. 6-30-09
CIVIL
No. 17747

9-26-07

CWA #10744960

SUMMIT ENGINEERING CORPORATION
313 PILOT ROAD, SUITE A, LAS VEGAS, NV. 89119
PHONE (702) 252-3226 FAX: (702) 252-3247

DESIGNED BY:
DRAWN BY: ACADR14
CHECKED BY:
DATE: Copyright SUMMIT ENG 2007

CIVIL IMPROVEMENT PLANS FOR STEWART AND NELLIS
PLAN AND PROFILE - STEWART AVE
CLARK COUNTY
LAS VEGAS NEVADA

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: HORIZ: 1"=20' VERT: N/A
JOB NO: J73093
N:\DWG\J73093\Final\093_15_UTL.DWG - 9-27 AM - 29-AUG-2007

SHEET C16 OF 26