

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD DRAWINGS AND UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION ISSUE OF JAN. 1966, OF THE CITY OF LAS VEGAS, NEVADA UNLESS OTHERWISE SPECIFIED BY NOTE ON PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BACKFILL, GRADE & CLEAN-UP ALL CUT OR FILL SLOPES TO MEET EXISTING CONDITIONS. MAXIMUM SLOPE, 4:1, COST TO BE INCLUDED IN PRICE BID ON OTHER ITEMS.
- ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH CITY OF LAS VEGAS TRAFFIC BARRICADE MANUAL ISSUE OF 1972, AVAILABLE FROM DIVISION OF TRAFFIC ENGINEERING, 400 E. STEWART AVENUE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF SANITARY SEWER MANHOLES TO THE REQUIRED GRADE AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 301.5, SECTION 334.6 AND APPLICABLE PORTIONS OF SECTION 512 OF THE "STANDARD SPECIFICATIONS".
- PRIOR TO ANY TYPE OF CONSTRUCTION IN THE AREA OF AN EXISTING SEWER, THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO THE MAIN IN THE FORM OF A SPLIT CIRCLE OF MINIMUM 3/4" PLYWOOD HAVING A DIAMETER NOT MORE THAN 4" SMALLER THAN THE INSIDE DIAMETER AT THE BOTTOM OF THE MANHOLE. THE SECTIONS OF THE CIRCLE SHALL BE HELD IN PLACE BY A MINIMUM OF TWO SCABS NAILED SECURELY ACROSS THE JOINT. THE JOINT SHALL BE PLACED TRANSVERSELY TO THE FLOW LINE OF THE MAIN. ANY SUBSTITUTE METHOD OF PROTECTION MAY BE USED IF APPROVED BY THE ENGINEER. THE CITY SHALL REMOVE THE SEWER LINE PRIOR TO CONSTRUCTION AND THE CONTRACTOR SHALL BALL & CLEAN THE SEWER LINE PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE CITY.
- A.C. PAVEMENT QUANTITIES SHOWN IN TONS - BASED ON 2.1 TONS = 1 CU. YD.
- THE CONTRACTOR IS CAUTIONED TO USE GREAT CARE TO KEEP THE PREPARED SUBGRADE FROM FLOODING. ALSO DURING EXCAVATION IF ANY SOFT, WET SECTIONS ARE EXPOSED, THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER, FOR ADDITIONAL DETAILS, REFER TO SPECIFICATIONS UNDER ROADWAY EXCAVATION.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- THE OWNING UTILITY COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL POWER POLES, TELEPHONE POLES, JOINTLY-OWNED POLES AND RELATED APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS AS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS".
- THE L.V.V.W.D. SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL WATER METERS THAT INTERFERE WITH REQ'D. IMPROVEMENTS AS SHOWN ON PLANS AND IN ACCORDANCE WITH CITY OF LV STANDARD DWG. No. 56.05. THE CONTRACTOR WILL AT NO TIME OPERATE ANY WATER VALVE OWNED BY L.V.V.W.D. THE CONTRACTOR SHALL AVOID WORKING OR PASSING DIRECTLY OVER ANY EXISTING WATER LINE WHICH HAS LESS THAN 2' OF COVER, WITH ANY HEAVY EQUIPMENT.
- THE CENTRAL TELEPHONE COMPANY SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL TELEPHONE CO. MANHOLES TO THE REQUIRED FINISHED GRADE AS SHOWN ON THE PLANS.
- THE SOUTHWEST GAS COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL GAS LINES AND RELATED APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE UNITED STATES POST OFFICE REGARDING THE NECESSITY OF REMOVING AND RELOCATING ALL U.S. MAILBOXES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL GIVE TWENTY-FOUR (24) HOUR NOTICE TO THE DEPUTY FIRE CHIEF BEFORE CONSTRUCTION BEGINS AT FIRE STATION ON MILLER AVENUE. INGRESS AND EGRESS AT FIRE STATION MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ARRANGEMENTS FOR SAME TO BE MADE WITH THE DEPUTY FIRE CHIEF.
- ALL CONCRETE USED ON THIS PROJECT WILL BE CLASS 5.5B 3000 AND USE TYPE III CEMENT EXCEPT COMMERCIAL DRIVEWAYS AND VALLEY GUTTERS WHICH WILL BE CLASS 5.5B 3000 AND USE TYPE III CEMENT.

CURVE DATA

NO.	RADIUS	DELTA	TANGENT	LENGTH	LOCATION
1	25.00'	89°40'17"	24.86'	39.13'	B.C.
2	25.00'	90°19'43"	25.14'	39.41'	B.C.
3	15.00'	90°05'23"	15.02'	23.59'	B.C.
4	15.00'	89°54'37"	14.98'	23.54'	B.C.
5	20.00'	91°25'28"	20.50'	31.91'	B.C.
6	20.00'	88°34'32"	19.51'	30.92'	B.C.
7	15.00'	79°31'27"	12.48'	20.82'	B.C.
8	205.00'	68°57'32"	140.78'	246.73'	B.C.
9	205.00'	69°08'19"	141.26'	247.37'	B.C.
10	155.00'	180°00'00"	∞	486.95'	B.C.
11	180.00'	90°05'23"	180.28'	283.03'	CL
12	180.00'	89°54'37"	179.72'	282.46'	CL
13	30.00'	89°49'38"	29.91'	47.03'	B.C.
14	25.00'	90°24'42"	25.18'	39.45'	B.C.
15	25.00'	89°35'18"	24.82'	39.09'	B.C.
16	30.00'	89°04'37"	29.52'	46.64'	B.C.
17	20.00'	90°05'23"	20.03'	31.45'	B.C.
18	20.00'	89°54'37"	19.97'	31.38'	B.C.

CONSTRUCTION NOTES

REMOVAL ITEMS

- SAWCUT A.C. PAVEMENT AS SHOWN ON PLANS.
- REMOVE A.C. PAVEMENT TO LIMITS NOTED ON PLANS.
- REMOVE EXISTING A.C. CURB TO LIMITS NOTED ON PLANS.
- SAWCUT EXISTING CONCRETE TO LIMITS NOTED ON PLANS.
- REMOVE EXISTING CONCRETE C&G TO LIMITS NOTED ON PLANS.
- REMOVE EXISTING CONCRETE SIDEWALKS TO LIMITS NOTED ON PLANS.
- REMOVE EXISTING CONCRETE DRIVEWAYS TO LIMITS NOTED ON PLANS.
- REMOVE TREES (4" TO 10" DIAMETER).
- REMOVE TREES (OVER 10" DIAMETER).
- TO BE REMOVED & RELOCATED OR ADJUSTED BY OWNER.
- REMOVE & RELOCATE SIGNS BY OTHER FORCES.
- REMOVE & RELOCATE FIRE HYDRANTS.
- REMOVE FENCES TO LIMITS NOTED ON PLANS.

CONSTRUCTION ITEMS

- CONSTRUCT RESIDENTIAL DRIVEWAY PER UNIFORM STANDARD DWG. No. 340.41.
- CONSTRUCT CONCRETE SIDEWALK PER UNIFORM STANDARD DWG. No. 340.3.
- CONSTRUCT CONCRETE "L" TYPE C&G PER UNIFORM STANDARD DWG. No. 340.1.
- CONSTRUCT CONCRETE VALLEY GUTTER PER UNIFORM STANDARD DWG. No. 340.43.
- ADJUST EXISTING SANITARY SEWER MANHOLES TO THE REQUIRED FINISHED GRADE AS SHOWN ON PLANS. PROVIDE CONCRETE SLAB AROUND ADJUSTED MANHOLES AS SHOWN ON SHEET No. 3.
- CONSTRUCT FOG SEAL OVER 6" A.C. PAV'T., OVER COMPACTED SUBGRADE.
- CONSTRUCT 1-1/2" A.C. PAV'T. OVER 4" TYPE II GRAVEL BASE WHERE TRANSITION IS REQUIRED BEHIND NEW DRIVEWAYS OR SIDEWALKS TO MEET EXISTING GRADE, AND FOG SEAL SURFACE. SEE DETAIL ON SHEET No. 3.
- CONSTRUCT FOG SEAL OVER 2" A.C. PAV'T., OVER PRIME COAT, OVER 4" TYPE II GRAVEL BASE, OVER 6" TYPE I GRAVEL BASE ON TEMPORARY CONNECTIONS AND TRANSITIONS TO BOUNDARY STREETS. (CAREY, HIGHLAND & LAKE MEAD). SEE SHEET No. 3.
- CONSTRUCT A.C. CURB AS SHOWN ON DETAIL SEE SHEET No. 3.
- CONSTRUCT PRIVATE 4" CONCRETE WALKWAY TRANSITION OVER 4" TYPE II GRAVEL BASE TO MEET EXISTING CONCRETE.
- CONSTRUCT PRIVATE 4" CONCRETE DRIVEWAY TRANSITION OVER 4" TYPE II GRAVEL BASE TO MEET EXISTING CONCRETE.
- ADJUST WATER VALVE AND CONSTRUCT CONC. COLLAR PER DETAIL ON SHEET NO. 3.
- CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY PER UNIFORM STANDARD DRAWING NO. 340.42

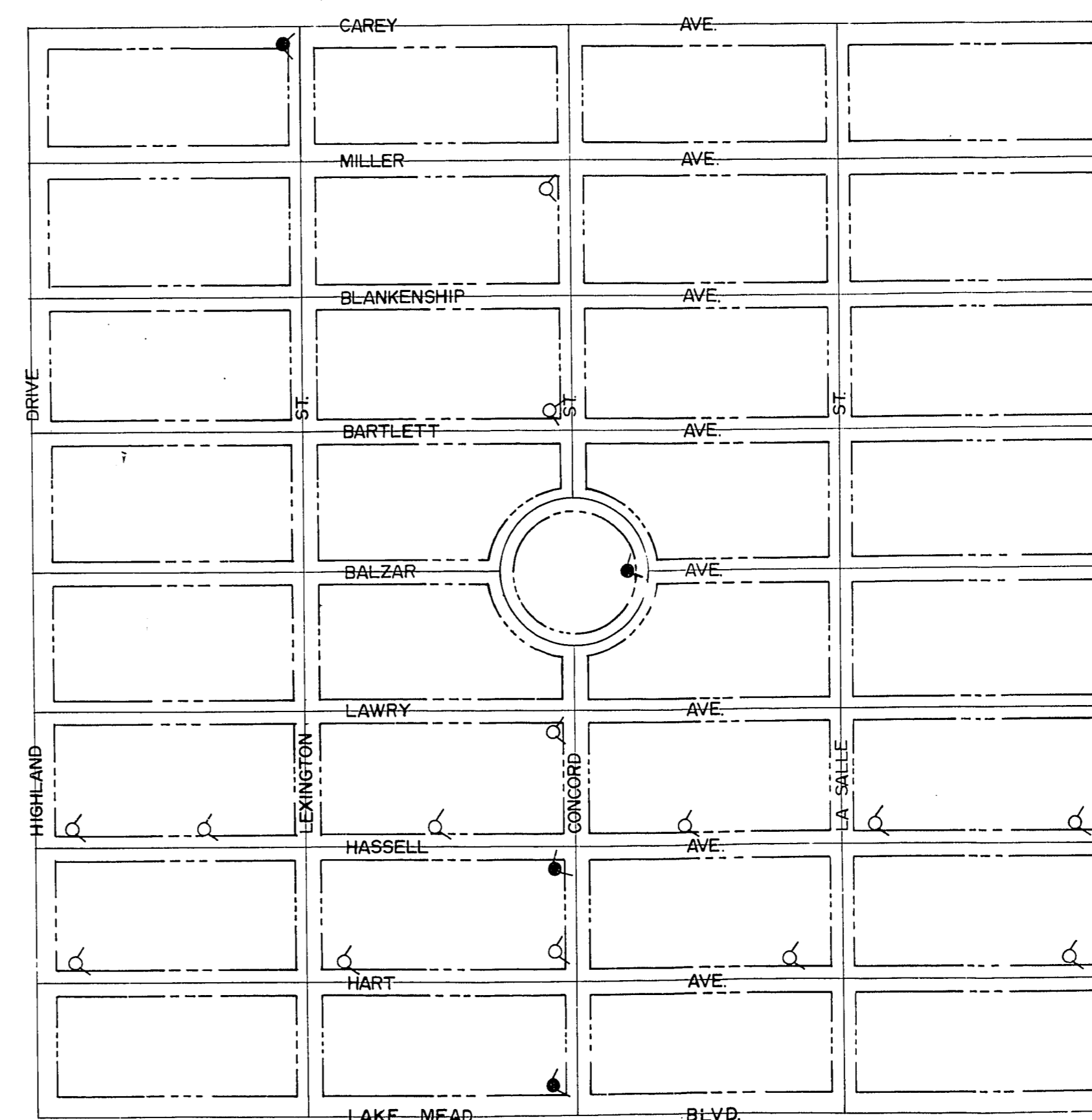
LEGEND

- RIGHT-OF-WAY LINE
- - - SECTION LINE
- - - SUB-BOUNDARY LINE
- CENTER LINE & SURVEY LINE
- W --- WATER LINE (EXISTING)
- G --- GAS LINE (EXISTING)
- S --- SEWER LINE (EXISTING)
- SAWCUT LINE
- EXISTING FENCES
- A.C. CURB (EXISTING)
- ⊗ FIRE HYDRANT (EXISTING)
- ⊗ WATER OR GAS VALVE (EXISTING)
- ⊗ YARD LIGHT (EXISTING)
- ⊗ STREET LIGHT (EXISTING)
- ⊗ WATER METER OR MAIL BOX (EXISTING)
- ⊗ MANHOLE (EXISTING)
- ⊗ STUMP (EXISTING)
- ⊗ POWER POLE & GUY WIRE (EXISTING)
- ⊗ SHRUBS OR TREES (EXISTING)
- ④ CURVE NUMBER
- ⑤ CONSTRUCTION NOTE
- C&G, SIDEWALK (EXISTING)
- VALLEY GUTTER (EXISTING)
- A.C. PAV'T. (EXISTING)
- TELEPHONE LINE (EXISTING)
- PROPOSED A.C. CURB
- PROPOSED C&G, SIDEWALK
- PROPOSED VALLEY GUTTER
- ⊗ RELOCATED FIRE HYDRANT
- ⑬ SOILS TEST HOLE LOCATION & NUMBER

SUMMARY OF QUANTITIES

CONST. NO.	ITEM NO.	DESCRIPTION	C.L.V.	S.I.D.	UNIT	TOTAL
1	201.100	GENERAL EXCAVATION	25520	9674	CY	35,194
1	201.1004	SAWCUT A.C. PAV'T.	7718	1506	LF	9,224
2	201.1002	REMOVE A.C. PAV'T.	75,655	2034	SY	77,689
3	201.1003	REMOVE A.C. CURB	2,225		LF	2,225
4	200.1100	SAWCUT CONCRETE		441	LF	441
5	200.1101	REMOVE CONCRETE C&G	218	6	LF	224
6	200.1105	REMOVE CONCRETE SIDEWALK		748	SF	748
7	200.1108	REMOVE CONC. DRIVEWAY - RES.		2,696	SF	2,696
8	200.300	REMOVE TREE (4" TO 10" DIA.)		102	EA	102
9	200.400	REMOVE TREE (OVER 10" DIA.)		68	EA	68
12	560.200	REMOVE & RELOCATE FIRE HYDRANTS	4		EA	4
13	201.1006	REMOVE FENCE		5,221	LF	5,221
		EMBANKMENT			CY	3,084
		EMBANKMENT + 20%			CY	3,701
18	340.226	CONST. COMMERCIAL DRIVEWAY		2543	SF	2,548
19	340.216	CONST. RESIDENTIAL DRIVEWAY		54,425	SF	54,425
20	340.114	CONST. 5' CONC. SIDEWALK		205,166	SF	205,166
21	340.014	CONST. 24" "L" TYPE C&G	39698		LF	39,698
22	340.319	CONST. VALLEY GUTTER	18,973		SF	18,973
23	512.500	ADJUST SANITARY MANHOLES	65		EA	65
24	334.112	6" A.C. PAV'T.	38,463		TN	38,463
25	334.003	1-1/2" A.C. PAV'T. (TRANS.)		85	TN	85
26	334.004	2" A.C. PAV'T.	1,613		TN	1,618
27	333.100	FOG SEAL	19667	146	GAL	19,813
28	334.800	PRIME COAT	4,380		GAL	4,380
29	302.100	TYPE I GRAVEL BASE	4361	565	CY	4,926
30	302.200	TYPE II GRAVEL BASE	1628	4304	CY	5,932
31	334.912	CONST. A.C. CURB	1389		LF	1,389
32	340.134	PRIVATE WALKWAY (TRANS.)		585	SF	585
33	340.124	PRIVATE DRIVEWAY (TRANS.)		2014	SF	2,014
34	560.060	ADJUST WATER VALVE BOX	66		EA	66
	330.000	PAVING ASPHALT	2405	5	TN	2,410
	900.000	LOWER A.C. WATER PIPES			LS	1

FIRE HYDRANT VICINITY MAP



**Department of Public Works
Engineering Division
VEGAS HEIGHTS**

**GENERAL NOTES, CONSTRUCTION NOTES
LEGEND & SUMMARY OF QUANTITIES**

scale (h) ---	scale (v) ---	drawing no.
w.o.no. 4171	f.bk.no	S.I.D. 417
design by W.L. JAUBERT	drawn by R.W. WEIGANG	date
approved by Director of Public Works	date 6-20-75	sht. 2 of 63