

STUCKEY CAR SALES

AT 2925 FREMONT STREET

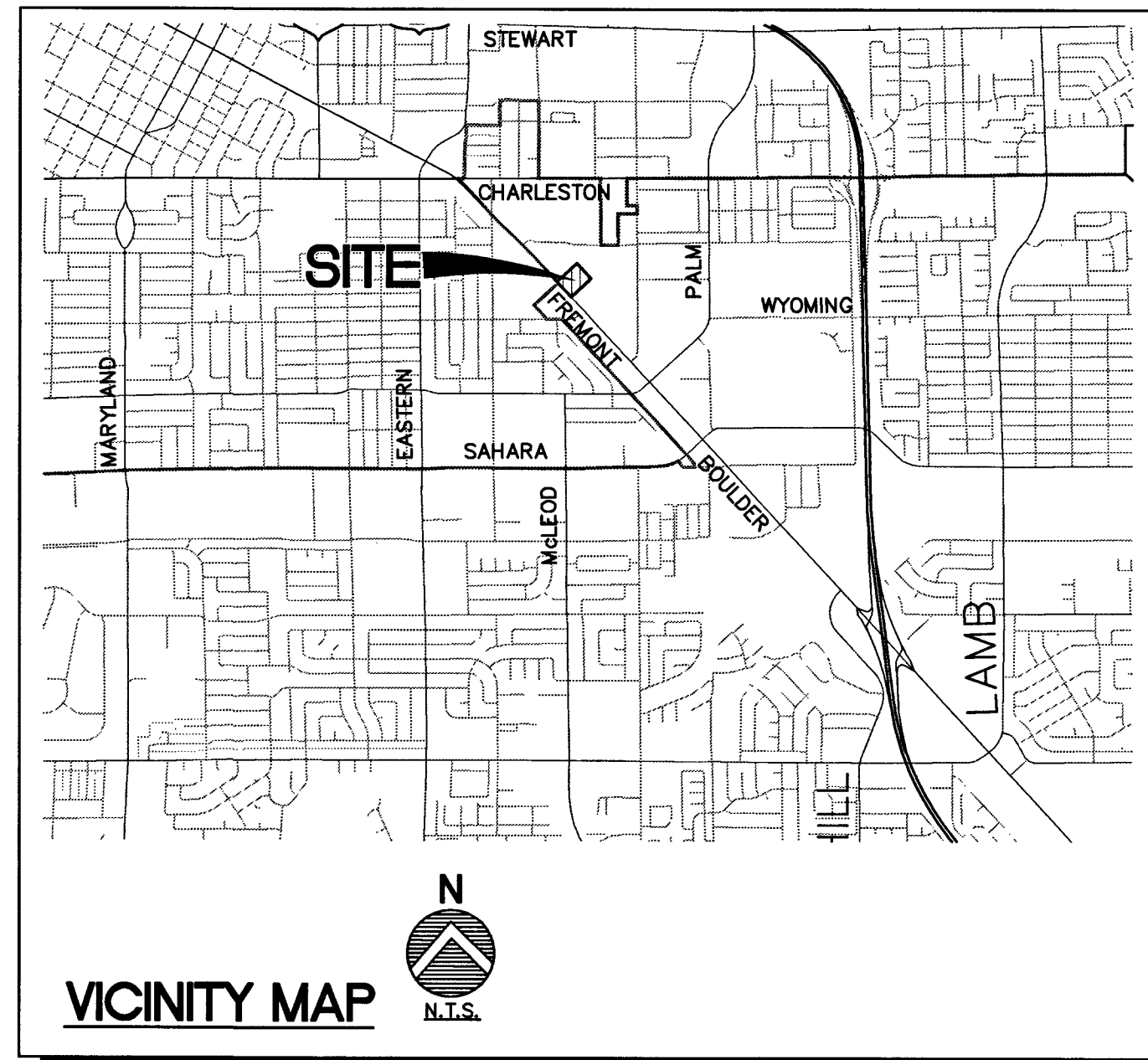
APN: 162-01-601-002

ABBREVIATIONS

ABAN	ABANDON	HP	HIGH POINT
AC	ASPHALTIC CONCRETE	HPD	HIGH PRESSURE SODIUM
ADJ	ADJUST	ID	INSIDE DIAMETER
AGG	AGGREGATE	INT	INTERSECTION
AIP	ABANDON IN PLACE	INV	INVERT
ALT	ALTERNATE	IRR	IRRIGATION
BC	BACK OF CURB	LAT	LATERAL
BCR	BEGINNING OF CURB RETURN	LF	LINEAL FEET
BDRY	BOUNDARY	LS	LANDSCAPE
BFE	BASE FLOOD ELEVATION	LT	LEFT
BEG	BEGIN	LWVD	LAS VEGAS VALLEY WATER DISTRICT
BM	BENCHMARK	MAX	MAXIMUM
BSW	BACK OF SIDEWALK	MH	MANHOLE
BVC	BEGINNING OF VERTICAL CURVE	MIN	MINIMUM
CATV	CABLE TV	MTR	METER
C&G	CURB AND GUTTER	NAP	NOT A PART
CBC	CITY OF BOULDER CITY	NG	NATURAL GRADE
CC	CLARK COUNTY	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING	NIS	NOT TO SCALE
CCRFD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT	O/S	OFFSET
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	OC	ON CENTER
CD	CAST IRON PIPE	OD	OUTSIDE DIAMETER
CL	CENTERLINE	OL	OVERHEAD POWER LINE
CLV	CITY OF LAS VEGAS	PB	PULL BOX
CM	CITY OF MESQUITE	PC	POINT OF CURVATURE
CMP	CORRUGATED METAL PIPE	PCC	POINT OF COMPOUND CURVE
CMU	CONCRETE MASONRY UNIT	PI	POINT OF INTERSECTION
CNLV	CITY OF NORTH LAS VEGAS	PL	PROPERTY LINE
CO	CLEAN OUT	PP	POWER POLE
COH	CITY OF HENDERSON	PRC	POINT OF REVERSE CURVE
COMM	COMMUNICATIONS	PROP	PROPOSED
CONC	CONCRETE	PT	POINT OF TANGENT
COND	CONDUIT	PVC	POLY VINYL CHLORIDE PIPE
CONST	CONSTRUCT OR CONSTRUCTION	PVI	POINT OF VERTICAL INTERSECTION
CULV	CULVERT	PMT	PAVEMENT
DC	DEPRESSED CURB	Q	RATE OF FLOW
DI	DROP INLET	R or RAD	RADIUS
DIA	DIAMETER	RCB	REINFORCED CONCRETE BOX
DIP	DUCTILE IRON PIPE	RCR	REINFORCED CONCRETE PIPE
DMH	DROP MANHOLE	RR	RAILROAD
DOM	DOMESTIC	RT	RIGHT
DWY	DRAINAGE	ROW	RIGHT-OF-WAY
E or ELEC	ELECTRIC	SS	SANITARY SEWER
EAC	EDGE OF AC	SD	STORM DRAIN
ECR	END OF CURB RETURN	SHT	SHEET
EG	EXISTING GROUND	SIG	SIGNAL
EL or ELEV	ELEVATION	SHWA	SOUTHERN NEVADA WATER AUTHORITY
EP	EDGE OF PAVEMENT	SSMH	SANITARY SEWER MANHOLE
EVC	END OF VERTICAL CURVE	STA	STATION
EW	EACH WAY	SL or STL	STREET LIGHT
EX or EXIST	EXISTING	STD	STANDARD
FAST	FREIGHTWAY & ARTERIAL SYSTEM OF TRANSPORTATION	SVZ	SIGHT VISIBILITY ZONE
FC	FACE OF CURB	SW	SIDEWALK
FF	FINISH FLOOR	T or TEL	TELEPHONE
FG	FINISH GRADE	TC	TOP OF CURB
FI	FIRE HYDRANT	TF	TOP OF FOOTING
FL	FLOW LINE	TMH	TOP OF MANHOLE
FO	FIBER OPTICS	TRANS	TRANSITION
FS	FINISHED SURFACE	TS	TRAFFIC SIGNAL
FTG	FOOTING	TW	TOP OF WALL
G	GAS	TYP	TYPICAL
GALV	GALVANIZED	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
GB	GRADE BREAK	VC	VERTICAL CURVE
H	HIGH OR HEIGHT	VCP	VITRIFIED CLAY PIPE
HDPE	HIGH DENSITY POLYETHYLENE	VERT	VERTICAL
HDWL	HEADWALL	VG	VALLEY GUTTER
HGL	HYDRAULIC GRADE LINE	WL	WATER LINE
HOR	HORIZONTAL	W	WITH
WQSW	WATER QUALITY SWALE	W/O	WITHOUT
		W	WIDE OR WIDTH

SHEET INDEX

1.	COVER SHEET	C1
2.	NOTES SHEET	C2
3.	HORIZONTAL CONTROL / TRAFFIC	C3
4.	GRADING PLAN	C4
5.	UTILITY PLAN	C5
6.	DETAIL SHEET	C6



OWNER/DEVELOPER
DENTWORKS BUSINESS TRUST
2925 FREMONT STREET
LAS VEGAS, NV 89101
CONTACT: FRANK STUCKEY
PHONE: 702-403-2631
DENTWORKS@YMAIL.COM

ENGINEER
CIVILWORKS, INC.
4945 W. PATRICK LANE
LAS VEGAS, NEVADA 89119
CONTACT: BRANDON A. POTTS, P.E.
PHONE: (702) 534-1816
FAX: (702) 534-1825
bap@civilworksinc.com

BASIS OF BEARING

NORTH 001°3'03" WEST BEING THE WEST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN IN FILE 120 PAGE 28 OF PARCEL MAPS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK

CLARK COUNTY BOULEVARD 2 AZI. NO. 3 1977 (NAVD 1988)
4" NGS BRASS CAP IN TOP OF CURB ON EAST SIDE OF FREMONT ST. AT 2965 FREMONT STREET.
ELEVATION=1847.05 FEET/562.983 METERS (NAVD 88 DATUM)

LEGAL DESCRIPTION

THAT PARCEL OF LAND, BEING A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) AND THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.B. & M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE CONCRETE MONUMENT, BEING THE INTERSECTION OF THE 200' RIGHT OF WAY NORTHERLY LINE OF THE STATE HIGHWAYS U.S. NUMBERS 93-95-486 WITH THE NORTHERLY 16TH SECTION LINE OF SAID SECTION 1, ALSO BEARING TO THE WESTERLY QUARTER CORNER OF SAID SECTION 1, SOUTH 56°21'51" WEST A DISTANCE OF 2436.51 FEET, THENCE QUARTERLY, ALONG SAID HIGHWAY RIGHT OF WAY LINE, BEARING SOUTH 42°27' EAST AT A DISTANCE OF 715.57 FEET TO A POINT, BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTH 42°27' EAST A DISTANCE OF 200 FEET TO A POINT; THENCE NORTH 47°33' EAST 200 TO A POINT; THENCE NORTH 42°27' WEST AND PARALLEL TO SAID HIGHWAY RIGHT OF WAY LINE, A DISTANCE OF 200 FEET TO A POINT; THENCE SOUTH 74°33' WEST A DISTANCE OF 200 FEET TO A POINT ON THE, AFORESAID HIGHWAY RIGHT OF WAY LINE, ALSO BEING THE TRUE POINT OF BEGINNING, SAID PARCEL OF LAND IS ALSO KNOWN AS LOT 6 AND 7 OF THE UNRECORDED PLAT OF K AND M SUBDIVISION.

APPROVALS

CLARK COUNTY WATER RECLAMATION DISTRICT
DATE: 3/3/2019
CONTRD PIPES NUMBER IS #184708. SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.

CLARK COUNTY FIRE DEPARTMENT
FIRE FLOW 1500 GPM, 20PSI, RESIDUAL
DATE: 3-19-19

SOUTHWEST GAS CORPORATION
DATE: 3/14/19

NV ENERGY
DATE: 01/24/19

NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

COX COMMUNICATIONS LAS VEGAS, INC.
DATE: 1-24-19

DIANE M. SCHOMER
CENTRAL TELEPHONE COMPANY DBA CENTURYLINK
DATE: 1-24-19

THE AFFIXED CENTRAL TELEPHONE COMPANY, DBA CENTURYLINK, APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

ALLEN PAVELKA, P.E. #0029
CITY ENGINEER/AT CITY OF LAS VEGAS, PUBLIC WORKS DEPT. OF THE CITY ENGINEER DIVISION
DATE: 4-18-19

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA, NEVADA.

APPROVED FOR CONSTRUCTION

Las Vegas Valley Water District Engineering Services

Project No. 135214 First Approved Date: 3-28-19
LVVWD Approved Fire Flow: Total 1,500 GPM/ Onsite 0 GPM
SHEETS C1, C2, AND C5, C6

UTILITY PROVIDERS

WATER: LAS VEGAS VALLEY WATER DISTRICT
SEWER: CLARK COUNTY WATER RECLAMATION DISTRICT
GAS: SOUTHWEST GAS CORPORATION
ELECTRIC: NV ENERGY
TELEPHONE: CENTRAL TELEPHONE COMPANY DBA CENTURYLINK
CABLE TV: COX COMMUNICATIONS OF LAS VEGAS
TRASH: REPUBLIC SERVICES, INC.

PRE-DEVELOPMENT NOTE

A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT INSPECTOR AT 702-455-4610



CivilWorksInc
Engineering with "sensible" solutions tailored to your "specific" needs.
Las Vegas, NV 89118
Office#: (702) 534-1816 Fax#: (702) 534-1825

CONSULTANT LIST:
CIVILWORKS, INC.
LAS VEGAS, NEVADA 89118
PHONE: (702) 534-1816

STUCKEY CAR SALES
© 2925 FREMONT STREET
OWNER: FRANK STUCKEY
2925 FREMONT STREET
LAS VEGAS, NV 89118
CONTACT: FRANK STUCKEY
PHONE: 702-403-2631

COVER SHEET
SHEET 1 OF 6
PROJECT: 135214
DATE: 2/1/19
DESIGNED BY: BRANDON A. POTTS
CHECKED BY: BRANDON A. POTTS
DATE: 12/31/19
CIVIL
PROJ: 135214A OS: 162-01-NE
PW18-14518

ABBREVIATIONS (SEE C.V.R. SHT. FOR COMPLETE LIST)		
AC	ASPHALTIC CONCRETE	
ADJ	ADJUST	
AGG	AGGREGATE	
BC	BACK OF CURB	
BOR	BEGINNING OF CURB RETURN	
BEG	BEGIN	
BSW	BACK OF SIDEWALK	
BVC	BEGINNING OF VERTICAL CURVE	
CATV	CABLE TV	
CCAUSD	CLARK COUNTY AREA	
CCRFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT	
CL	CENTERLINE	
CLV	CITY OF LAS VEGAS	
CMU	CONCRETE MASONRY UNIT	
CO	CLEAN OUT	
COMM	COMMUNICATIONS	
CONC	CONCRETE	
COND	CONDUIT	
CULV	CULVERT	
DC	DEPRESSED CURB	
DG	DECOMPOSED GRANITE	
DIP	DUCTILE IRON PIPE	
DOM	DOMESTIC	
ELEC	ELECTRIC	
EAC	EDGE OF AC	
ECR	END OF CURB RETURN	
EG	EXISTING GRADE	
ELEV	ELEVATION	
EP	EDGE OF PAVEMENT	
EVC	END OF VERTICAL CURVE	
EX	EXISTING	
FAST	FREWAY & ARTERIAL SYSTEM OF TRANSPORTATION	
FF	FINISH FLOOR	
FG	FINISH GRADE	
FH	FIRE HYDRANT	
FL	FLOW LINE	
FO	FIBER OPTICS	
FS	FINISHED SURFACE	
GB	GRADE BREAK	
BDPE	HIGH DENSITY POLYETHYLENE	
HDWL	HEADWALL	
HGL	HYDRAULIC GRADE LINE	
HP	HIGH POINT	
INV	INVERT	
IR	IRRIGATION	
LAT	LATERAL	
LF	LINEAL FEET	
LS	LANDSCAPE	
LT	LEFT	
LVWD	LAS VEGAS VALLEY WATER DISTRICT	
MAX	MAXIMUM	
MH	MANHOLE	
MIN	MINIMUM	
MTR	METER	
PB	PULL BOX	
PL	PROPERTY LINE	
PP	POWER POLE	
PROP	PROPOSED	
PVC	POLY VINYL CHLORIDE PIPE	
PWMT	PAVEMENT	
RIM	RIM OF MANHOLE OR CLEANOUT	
RT	RIGHT	
ROW	RIGHT-OF-WAY	
RS	SANITARY SEWER	
SD	STORM DRAIN	
SNWA	SOUTHERN NEVADA WATER AUTHORITY	
STA	STATION	
STLT	STREET LIGHT	
SVZ	SIGHT VISIBILITY ZONE	
SW	SIDEWALK	
TEL	TELEPHONE	
TC	TOP OF CURB	
TF	TOP OF FOOTING	
TH	TOP OF WALL	
TYP	TYPICAL	
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS	
VG	VALLEY GUTTER	
WL	WATER LINE	
WQSW	WATER QUALITY SWALE	

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
UTILITIES		
B.O. VALVE		
FIRE HYDRANTS		
CLEAN OUT		
GATE VALVE		
METER		
REDUCER		
CAP		
11.25" ELBOW		
22.5" ELBOW		
45" ELBOW		
90" ELBOW		
CROSS		
TEE		
MANHOLES		
ELECTRICAL		
SANITARY SEWER		
STORM DRAIN		
TELEPHONE		
STREET LIGHTS		
100W HPS STLT		
150W HPS STLT		
200W HPS STLT		
250W HPS STLT		
400W HPS STLT		
GRADING		
SPOT ELEV.		
SLOPE		
5' CONT.		
1' CONT.		
SITE		
SIGN		
"L" CURB		
"A" CURB		
EDGE OF PAVT.		
WALL		
LINE TYPES		
CL OR SECTION LINE		
RIGHT OF WAY LINE		
EASEMENT LINE		
SAWCUT LINE		
FLOW LINE		
SHADES		
HEAVY AC PAVEMENT		
LIGHT AC PAVEMENT		
CONCRETE PAVEMENT		

STORM WATER MANAGEMENT NOTES	
1.	THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2.	ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3.	TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.
4.	AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
5.	ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CLARK COUNTY FIRE DEPARTMENT	
A.	ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH CLARK COUNTY FIRE CODE AS AMENDED, AND THE CURRENT EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.
B.	FIRE HYDRANTS AND WATER SUPPLIES FOR FIRE PROTECTION SHALL BE AND MAINTAINABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 1412 OF THE CLARK COUNTY FIRE CODE, AS AMENDED.
C.	IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, APPROVAL SHALL BE OBTAINED FROM THE FIRE DEPARTMENT PRIOR TO PLACING THE HYDRANT OUT OF SERVICE.
D.	PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION DIVISION.
E.	NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.
F.	FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE WEIGHT OF FIRE APPARATUS, WITH A MINIMUM VEHICLE LOAD OF 33,000 POUNDS PER AXLE, AND SHALL BE SURFACED AND PAVED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.
EXCEPTION: TEMPORARY ACCESS ROADS SERVING ONLY BUILDING UNDER CONSTRUCTION SHALL NOT BE REQUIRED TO BE PAVED, BUT SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF SECTION 503.2.3 OF THE CLARK COUNTY FIRE CODE.	
G.	PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION. SCHEDULE INSPECTION AT http://www.clarkcountynv.gov/building/fire-prevention/pages/inspectionServices.aspx
H.	FIRE HYDRANTS SHALL BE LOCATED 4' TO 7' FROM BACK OF CURB AND A MINIMUM OF 6 FEET AWAY FROM TURNS.
I.	BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (SECTION C107 OF THE CLARK COUNTY FIRE CODE, AS AMENDED).
J.	HYDRANTS THAT ARE PROPOSED FOR INSTALLATION IN PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE WATER PURVEYOR. HYDRANTS PROPOSED FOR INSTALLATION ON PRIVATE WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE FIRE DEPARTMENT.

SOUTHWEST GAS CORPORATION GENERAL NOTES	
1.	IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
2.	THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC.
3.	FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION.
4.	IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099.
CAUTION: HIGH PRESSURE GAS!	
CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION	
	DATE <u>3/14/19</u>
SOUTHWEST GAS CORPORATION	

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS NOTES	
1.	INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE. (702) 455-4610. THE PERMIT APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.
2.	EXACT LOCATION OF ALL SAW-CUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
3.	CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
4.	FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE).
5.	ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION EXCEPT FOR LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "OPL" FOR LED LUMINAIRES. OPL CAN BE FOUND ONLINE AT HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX .
6.	PRIVATE STREETS, CURB & GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
7.	WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
8.	PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" TRAFFIC, SCHOOL, OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST COORDINATING WITH THE DEPARTMENT OF PUBLIC WORKS OFFSITE INSPECTOR @ (702) 455-4610.
9.	THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
10.	NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10') FEET OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATE ARE NOT TO BE CONSIDERED AS AN OPEN TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICH EVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.
11.	A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC. THIS IS TO BE MAINTAINED BY THE PERMITTEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
12.	COMPACTION TESTS ARE REQUIRED.

CLARK COUNTY TRAFFIC NOTES	
1.	ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREIN SHALL BE IN PLACE AND IN FINAL POSITION BEFORE ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROADWAY BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
2.	BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY CONE MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
3.	ALL CONSTRUCTION SIGNING, BARRICADE AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC HANDBOOK - 1988 AND TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION.
4.	IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE COUNTY TRAFFIC MANAGER.
5.	THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGNPOSTS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH EXCEPT AS NOTED ON THE STREET LIGHTING PLANS. LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "OPL" FOR LED LUMINAIRES. OPL CAN BE FOUND ONLINE AT HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX .
6.	IF A PROPOSED STREETLIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON IT IS TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
7.	PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
8.	ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PESTLEDS FOR CABINETS AND STREETLIGHT POLES SHALL BE GALVANIZED PER ASTM A-123.
9.	ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH EXCEPT AS NOTED ON THE STREET LIGHTING PLANS. LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "OPL" FOR LED LUMINAIRES. OPL CAN BE FOUND ONLINE AT HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX .
10.	THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT (702) 455-6000 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.
11.	F.A.S.T. INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED IN EMERGENCY BY F.A.S.T., CITY OF LAS VEGAS, CLARK COUNTY, AND NOTED MUST BE REPAIRED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. \$2,500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
12.	ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING. SHALL HAVE INDEPENDENT LEAD-IN WIRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.
13.	TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE L.E.D. TYPE.
14.	ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.
15.	WHEN STREET LIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER SHALL CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.
16.	CLARK COUNTY RESERVES THE RIGHT TO REJECT STREETLIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
17.	TWO WEEKS PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION, OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.
18.	THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

ENGINEER'S GENERAL NOTES	
1.	THE CONTRACTOR IS TO VISIT THE SITE AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE BIDDING AND STARTING WORK, AND ACCEPT THEM AS HE FINDS THEM. UNLESS NOTIFYING THE ARCHITECT, ENGINEER AND/OR OWNER IN WRITING AND RECEIVING WRITTEN INSTRUCTIONS PRIOR TO BIDDING THE WORK, NO EXTRA COST TO THE CONSTRUCTION CONTRACT, THE ARCHITECT, ENGINEER AND/OR OWNER SHALL BE ALLOWED DUE TO THE PRIOR CONDITIONS.
2.	SHOULD CONFLICT AND/OR DISCREPANCY APPEAR IN/OR BETWEEN THE DRAWINGS AND THE SPECS, OR WORK PERFORMED BY OTHERS, WHICH AFFECTS THE WORK, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT, ENGINEER AND/OR OWNER IN WRITING AT ONCE AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING. SHOULD THE CONTRACTOR PROCEED PRIOR TO RECEIPT OF THE ARCHITECT'S, ENGINEER'S AND/OR OWNER'S WRITTEN INSTRUCTIONS, THE CONTRACTOR SHALL MAKE GOOD AND CORRECT ANY WORK AND/OR DAMAGES RESULTING FROM THE PROCEDURE. NO EXTRA COST TO THE CONSTRUCTION CONTRACT, THE ARCHITECT, ENGINEER AND/OR OWNER SHALL BE ALLOWED FOR SUCH CORRECTIONS.
3.	SHOULD CONFLICT AND/OR DISCREPANCY APPEAR IN/OR BETWEEN THE DRAWINGS AND SPECS, IT IS DEEMED THE CONTRACTOR TO HAVE ESTIMATED THE MOST EXPENSIVE CONSTRUCTION METHOD OR MATERIAL INVOLVED UNLESS THE CONTRACTOR HAD ASKED FOR AND RECEIVED WRITTEN DECISIONS FROM THE ARCHITECT, ENGINEER AND/OR OWNER PRIOR TO SIGNING OF THE CONTRACT. NO EXTRA COST TO THE CONSTRUCTION CONTRACT, THE ARCHITECT, ENGINEER AND/OR OWNER SHALL BE ALLOWED FOR THESE ITEMS.
4.	SHOULD DIMENSIONAL ERRORS OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER AND/OR OWNER PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE MEASUREMENTS AND DETAIL DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL SMALL SCALE DRAWINGS. DETAILS REPRESENTATIONS HAVING THE LARGER SCALE SHALL GOVERN. WORK INDICATED BUT NOT PARTICULARLY DETAILED OR SPECIFIED SHALL BE EQUAL TO SIMILAR PARTS THAT ARE DETAILED OR SPECIFIED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE SHOP DRAWINGS ARE MADE AND BEFORE ANY WORK IS CONSTRUCTED OR FABRICATED.
5.	THE CONTRACTOR IS TO CONFIRM ADA ACCESS RAMPS AND AREAS ARE WITHIN THE ADA STANDARDS/REQUIREMENTS FOR CROSS SLOPE AND RUNNING SLOPE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER AND/OR OWNER, IN WRITING IMMEDIATELY OF ANY ADA ACCESS AREAS THAT DO NOT MEET ADA STANDARDS/REQUIREMENTS. SHOULD THE CONTRACTOR PROCEED PRIOR TO RECEIPT OF THE ARCHITECT'S, ENGINEER'S AND/OR OWNER'S WRITTEN INSTRUCTIONS, THE CONTRACTOR SHALL CORRECT THE WORK RESULTING FROM PROCEDURE. NO EXTRA COST TO THE CONSTRUCTION CONTRACT SHALL BE ALLOWED FOR SUCH CORRECTIONS.

GENERAL UTILITY NOTES	
1.	ALL WATER LINES 4" OR GREATER TO BE CL 150, C900 PVC. ALL WATER LINES SMALLER THAN 4" TO BE SCH. 40 PVC. ALL WATER LINES CONNECTED TO REMOTE FIRE DEPT. CONNECTIONS TO BE CL 200, C900 PVC.
2.	ALL GRAVITY SANITARY SEWER LINES TO BE SDR-35 PVC.
3.	WATER LINES TO HAVE THRUST BLOCKS CONSTRUCTED PER U.D.A.C.S. PLATE No. 5. THRUST BLOCKS TO BE LOCATED AT ALL ANGLE FITTINGS (BENDS), TEE'S, AND FIRE HYDRANTS. ANCHOR BLOCKS TO BE CONSTRUCTED, PER U.D.A.C.S. PLATE No. 3. ANCHOR BLOCKS TO BE LOCATED AT ALL IN-LINE REDUCERS AND GATE VALVES.
4.	WET TAPS TO BE CONSTRUCTED IN CONFORMANCE WITH U.D.A.C.S. PLATE No. 22.
5.	THE FIRE SAFETY CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE SIZE OF PIPING THAT IS REQUIRED TO CONNECT FROM THE FIRE WATER LOOP TO THE FIRE SPRINKLER RISER. LINE SIZE SHOWN FOR INFORMATION PURPOSES ONLY.
6.	TRENCH BACKFILL FOR WATER LINES TO BE CONSTRUCTED PER U.D.A.C.S. PLATE No. 6A, 6B, 6C OR 6D.
7.	TRENCH BACKFILL FOR STORM DRAIN LINES TO BE CONSTRUCTED PER D.C.S.W.C.S. DRAWING No. SD-16B.
8.	ONLY SEWER LINES AND LATERALS MAY BE INSTALLED IN TRENCHES EXCAVATED FOR SEWER LINES. SEE D.C.S.W.C.S. SECTION 2.2.18 (TYPICAL).
9.	WATER AND SEWER SEPARATION OF TRENCHES MUST BE AT LEAST 10" MINIMUM (TYPICAL). SEE D.C.S.W.C.S. SECTION 2.2.21 "A", U.D.A.C.S. SECTION 2.19.01 "A".
10.	CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES, BACKFILL AND PATCH ALL TRENCHES AS INDICATED ON DETAILS AND/OR ACCORDING TO THE GOVERNING ENTITY.
11.	THESE DRAWINGS MAY NOT INDICATE ALL EXISTING BURIED UTILITY LINES. CONTRACTOR IS TO EXERCISE GREAT CARE DURING EXCAVATION IN ORDER TO AVOID MAKING CONTACT WITH ANY EXISTING UTILITY LINES. IF UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
12.	CONTRACTOR TO LOCATE AND VERIFY SIZE, LINE TYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. THE CIVIL ENGINEER SHALL BE CONTACTED ONCE THE UTILITY LINE IS LOCATED.
13.	CONTRACTOR/OWNER TO OBTAIN C.C.P.W. OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.
14.	CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES.
15.	LATERALS SHALL NOT BE CONNECTED INTO STUBS EXTENDING FROM MANHOLES. SERVICE LATERALS 6" OR SMALLER WILL NOT BE ALLOWED TO CONNECT INTO MANHOLES. SEE D.C.S.W.C.S. SECTION 2.2.19 (TYPICAL).
16.	ALL EXISTING STREET LIGHTS INDICATED ON THESE PLANS ARE SHOWN FOR INFORMATION PURPOSES ONLY. LOCATION IS APPROXIMATE UNLESS NOTED WITH STATION AND OFFSET.
17.	ALL EXISTING GAS LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATIONS ONLY. PROPOSED GAS LINES SHOWN ON THESE PLANS ARE FOR COORDINATION ONLY. SEE SOUTHWEST GAS PLANS FOR CONSTRUCTION.
18.	ALL EXISTING ELECTRICAL LINES SHOWN ON THESE PLANS ARE APPROXIMATIONS ONLY. PROPOSED ELECTRICAL LINES SHOWN ON THESE PLANS ARE FOR COORDINATION ONLY. SEE ELECTRICAL PLANS FOR CONSTRUCTION.
19.	SEE LEGEND FOR EXISTING AND PROPOSED UTILITY SYMBOLS.
20.	ALL DIMENSIONS TO UTILITIES LINES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
21.	ALL LINEAR FEET OF STORM DRAIN AND SANITARY SEWER PIPE NOTED ON PLANS IS MEASURED FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.

DEVIATIONS FROM STANDARDS	
NONE.	

PROPOSED WASTEWATER FLOW CONTRIBUTIONS:	
PARCEL APN 162-01-601-002	
BUILDING A USAGE 1,600 S.F. = 0.000593 GPD	
BUILDING B USAGE 2,400 S.F. = 0.001186 GPD	
APPROVED POC: 0.00178 MGD	
BUILDINGS (COMMERCIAL)	
AVERAGE FLOW = 11x0.65 ERUA X 0.00025 MGD=0.0017875 MGD	
REMAINING CAPACITY:	
0.00178 - BUILDING TOTAL = 0 MGD	
FUTURE DEVELOPMENT: N/A	

	DATE <u>3/13/2019</u>
CLARK COUNTY WATER RECLAMATION DISTRICT	
CCWRD PIPES NUMBER IS <u>18x208</u>	
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.	

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVWD PROJECT #

135214

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO THE LVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS), THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVWD APPROVED SOLDER SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVWD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM THE LVWD CENTRAL OFFICE. PHONE 258-3152 OR 258-3602, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVWD INSPECTION DIVISION PRIOR TO SHUTDOW. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF LAS VEGAS VALLEY WATER (LVMW) MUNICIPAL WATER FACILITIES WITHIN THE STREET IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET WORK. ANY REPAIR WORK DONE BY THE LVWD TO THE EXISTING WATER FACILITIES WILL BE THE RESPONSIBILITY OF THE LVWD. AN INAPPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION.
15. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVWD WITH AN APPROPRIATELY SIZED PLANT FINISHING PATCH. THE LVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF EXISTING ADJACENT MATERIALS.

15. NO LEAD COMPLIANCE NOTE:

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS REPLACEMENTS, MUST BE Labeled WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

APPROVED FOR CONSTRUCTION



Las Vegas Valley Water District Engineering Services

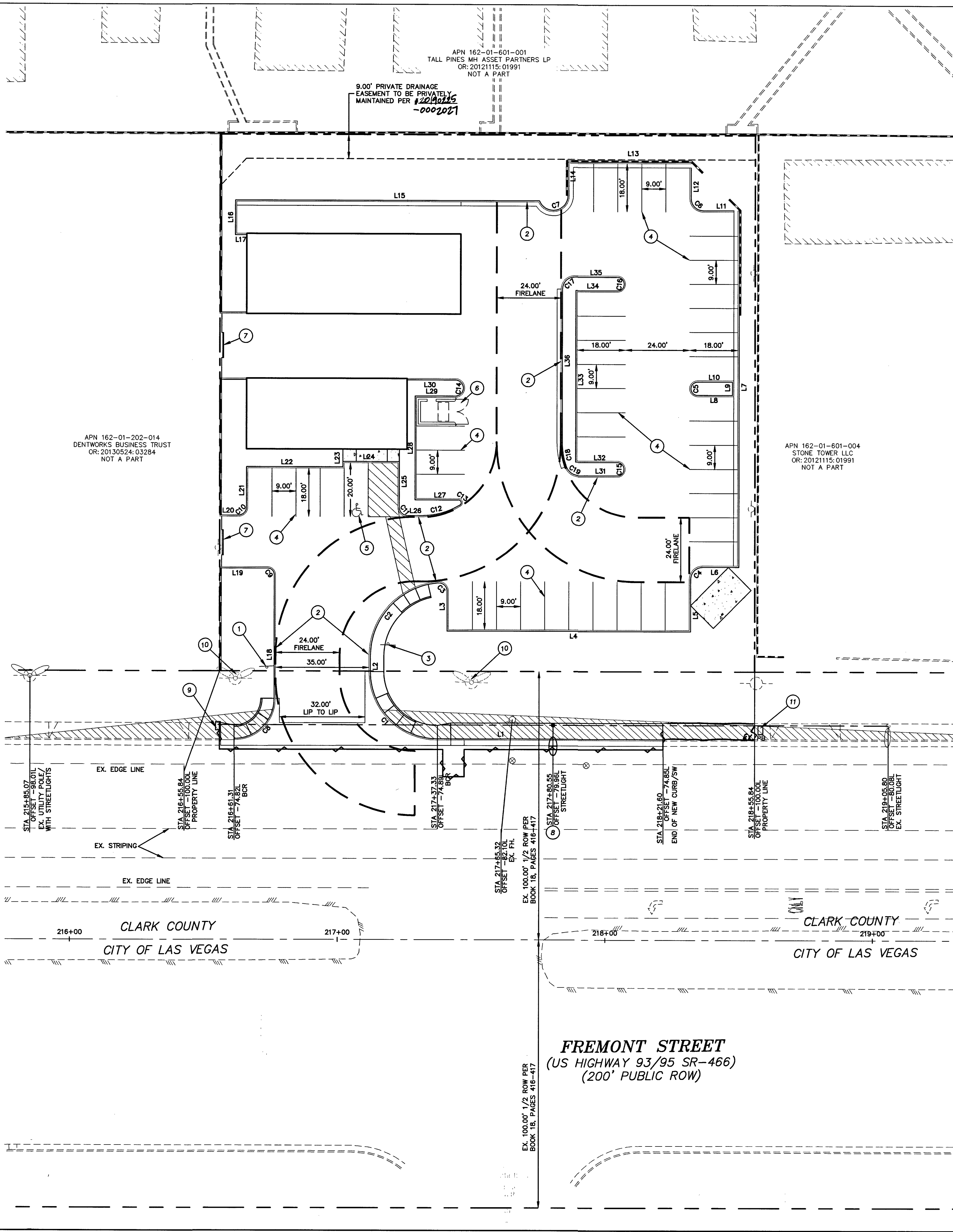
Project No. 135214

First Approved Date: 3-28-19

LVWD Approved Fire Flow: Total 1,500 GPM/Onsite 1,500 GPM

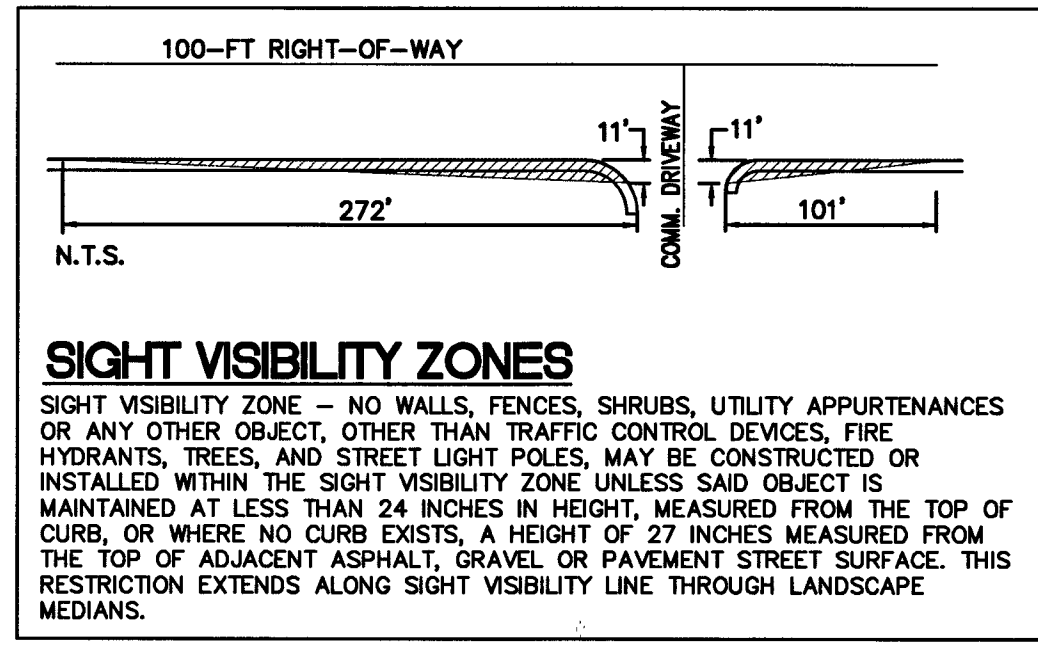
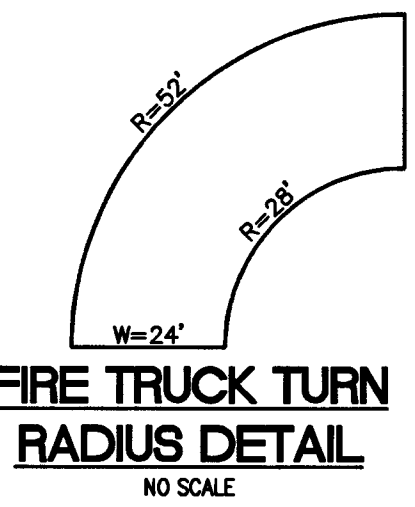
ABBREVIATIONS
(SEE CIV. SHT. FOR COMPLETE LIST)
AC ASPHALTIC CONCRETE
ADJ. ADJUST
AGG. AGGREGATE
BC BACK OF CURB
BOR BEGINNING OF CURB RETURN
BEG. BEGIN
BSW BACK OF SIDEWALK
BVC BEGINNING OF VERTICAL CURVE
CATV CABLE TV
CCAUSD CLARK COUNTY AREA
CORFCD UNIFORM STANDARD DRAWING
CL CLARK COUNTY REGION
CLV CITY OF LAS VEGAS
CONC. CONCRETE
COND. CONDUIT
CULV. CULVERT
DC DECOMPOSED CURB
DG DECOMPOSED GRANITE
DIP DUCTILE IRON PIPE
DOM. DOMESTIC
ELEC. ELECTRIC
EAC. EDGE OF AC
EOR END OF CURB RETURN
EG. EXISTING GROUND
ELEV. ELEVATION
EP. EDGE OF PAVEMENT
EVC. END OF VERTICAL CURVE
EX. EXISTING
FAST. FREEWAY & ARTERIAL
FF. SYSTEM OF TRANSPORTATION
FG. FINISH FLOOR
FH. FINISH GRADE
FI. FIRE HYDRANT
FL. FLOW LINE
FO. FIBER OPTICS
FS. FINISHED SURFACE
GB. GRADE BREAK
HDP. HIGH DENSITY POLYETHYLENE
HDL. HEADWALL
HGL. HYDRAULIC GRADE LINE
HP. HIGH POINT
INV. INVERT
IRR. IRRIGATION
LAT. LATERAL
LF. LINEAL FEET
LS. LANDSCAPE
LT. LEFT
LVWD. LAS VEGAS VALLEY WATER
DISTRICT
MAX. MAXIMUM
MH. MANHOLE
MIN. MINIMUM
MTR. METER
PB. PULL BOX
PL. PROPERTY LINE
PP. POWER POLE
PROP. PROPOSED
PVC. POLY VINYL CHLORIDE PIPE
PMT. PAVEMENT
RIM. TOP OF MANHOLE OR
CLEANOUT
RT. RIGHT
ROW. RIGHT-OF-WAY
SS. SANITARY SEWER
SD. STORM DRAIN
SNWA. SOUTHERN NEVADA WATER
AUTHORITY
STA. STATION
STLT. STREET LIGHT
SVZ. SIGHT VISIBILITY ZONE
SW. SIDEWALK
TEL. TELEPHONE
TC. TOP OF CURB
TF. TOP OF FOOTING
TW. TOP OF WALL
TYP. TYPICAL
UDACS. UNIFORM DESIGN AND
CONSTRUCTION STANDARDS
VAL. VALLEY GUTTER
WL. WATER LINE

LEGEND
DESCRIPTION EXISTING PROPOSED
UTILITIES
B.O. VALVE
FIRE HYDRANTS
CLEAN OUT
GATE VALVE
METER
REDUCER
CAP
11.25" ELBOW
22.5" ELBOW
45" ELBOW
90" ELBOW
CROSS
TEE
MANHOLES
ELECTRICAL
SANITARY SEWER
STORM DRAIN
TELEPHONE
STREET LIGHTS
517R/W LED SL
60R/W LED SL
60R/W LED SL
100R/W LED SL
GRADING
SPOT ELEV.
SLOPE
5' CONT.
1' CONT.
SITE
SIGN
"L" CURB
"A" CURB
EDGE OF PAVT.
WALL
LINE TYPES
CL OR SECTION LINE
RIGHT OF WAY LINE
EASEMENT LINE
SANITARY LINE
FLOW LINE
SHADES
HEAVY AC PAVEMENT
LIGHT AC PAVEMENT
CONCRETE PAVEMENT

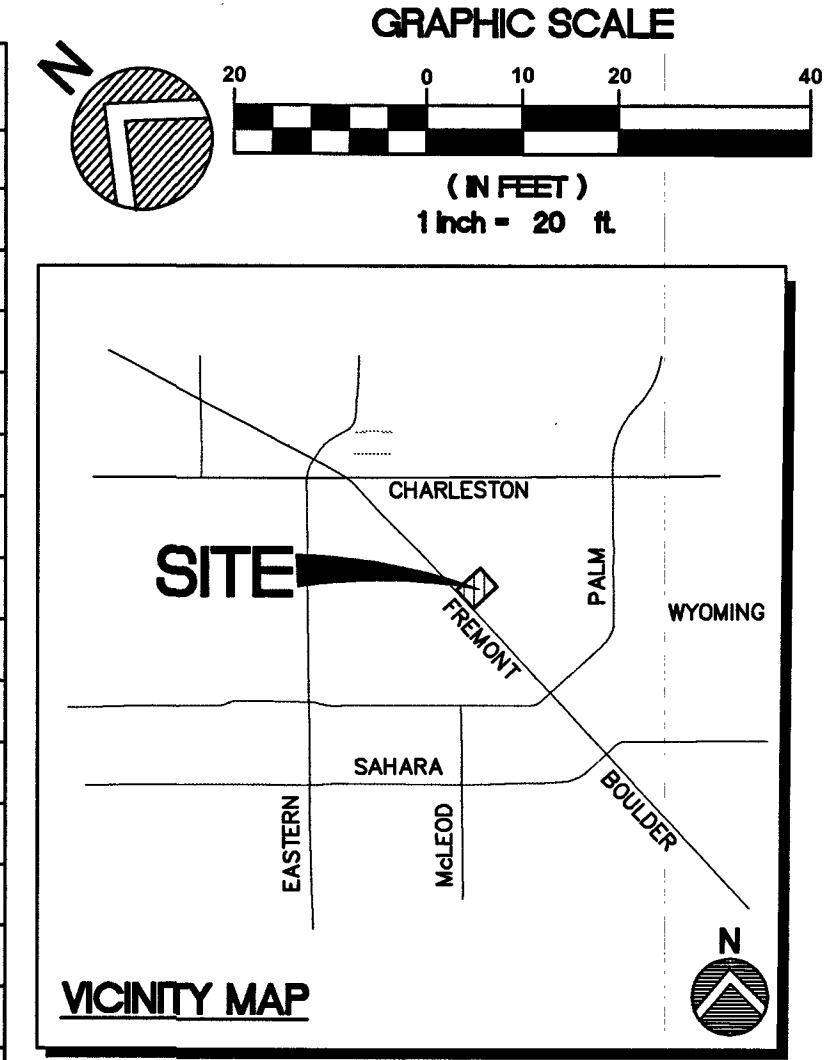


LINE TABLE		
LINE	LENGTH	DIRECTION
L1	84.28	S42° 25' 16.31"E
L2	5.61	S47° 33' 00.00"W
L3	14.92	S47° 33' 00.00"W
L4	91.00	S42° 27' 00.00"E
L5	19.50	S47° 33' 00.00"W
L6	13.50	S42° 27' 00.00"E
L7	133.00	N47° 33' 00.00"E
L8	13.00	S42° 27' 00.00"E
L9	5.00	N47° 33' 00.00"E
L10	13.00	S42° 27' 00.00"E
L11	11.50	S42° 27' 00.00"E
L12	11.50	N47° 33' 00.00"E
L13	46.00	S42° 27' 00.00"E
L14	12.50	S47° 33' 00.00"W
L15	113.63	S42° 27' 00.00"E
L16	13.00	N47° 33' 00.00"E
L17	4.25	N42° 27' 00.00"W
L18	46.00	S47° 33' 00.00"W
L19	17.93	S42° 27' 00.00"E
L20	7.00	S42° 27' 00.00"E
L21	15.00	N47° 33' 00.00"E
L22	36.00	S42° 27' 00.00"E
L23	2.00	N47° 33' 00.00"E
L24	21.13	S42° 27' 00.00"E
L25	17.00	N47° 33' 00.00"E
L26	5.37	N42° 27' 00.00"W
L27	16.22	N42° 27' 00.00"W
L28	38.67	N47° 33' 00.00"E
L29	15.00	N42° 27' 00.00"W
L30	18.00	N42° 27' 00.00"W
L31	14.21	S42° 27' 00.00"E
L32	15.50	S42° 27' 00.00"E
L33	64.00	S47° 33' 00.00"W
L34	15.50	S42° 27' 00.00"E
L35	16.00	S42° 27' 00.00"E
L36	57.00	S47° 33' 00.00"W

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	39.33	25.00	90°08'35"
C2	41.03	27.50	85°29'20"
C3	4.95	3.00	94°30'40"
C4	7.07	4.50	90°00'00"
C5	7.85	2.50	180°00'00"
C6	7.07	4.50	90°00'00"
C7	15.23	5.50	158°40'35"
C8	23.52	15.00	89°49'49"
C9	3.93	2.50	90°00'00"
C10	4.71	3.00	90°00'00"
C11	4.71	3.00	90°00'00"
C12	14.97	27.50	311°11'17"
C13	2.60	1.00	148°48'43"
C14	9.42	3.00	180°00'00"
C15	7.85	2.50	180°00'00"
C16	7.85	2.50	180°00'00"
C17	7.07	4.50	90°00'00"
C18	9.35	27.50	19°28'16"
C19	6.15	5.00	70°31'44"



STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT 'A'	
IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES NO
SERVICE PEDESTAL LOCATION	STA: 28+25.00 ON LAMB BOULEVARD
CLARK COUNTY (COMPLETE IF EXISTING SERVICE)	
DATE OF CAPACITY VERIFICATION	
PERSON WHO DID THE VERIFICATION	
PERSON WHO DID THE CALCULATION	BRANDON A. POTTS
CONSULTING ENGINEERING FIRM	CIVILWORKS, INC.
CAPACITY CALCULATIONS	
1. CIRCUIT CAPACITY	AMPS
2. MAXIMUM CONTINUOUS CURRENT DRAW (80%)	AMPS
3. EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	AMPS
4. AVAILABLE (2 MINUS 3)	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT:	
5. 1. NUMBER OF 100 WATTS STILTS @ 1.0 AMPS/EA	AMPS
6. 3. NUMBER OF 250 WATTS STILTS @ 1.5 AMPS/EA	AMPS
7. 3. TOTAL PROPOSED ADDITIONAL LOAD (5+6)	AMPS
REMAINING AVAILABLE LOAD (4 MINUS 7)	AMPS



BASIS OF BEARING
NORTH 00°13'03" WEST BEING THE WEST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN IN FILE 120 PAGE 28 OF PARCEL MAPS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK
CLARK COUNTY BOULEVARD 2 AZI. NO. 3 1977 (NAVD 1988)
4" NGS BRASS CAP IN TOP OF CURB ON EAST SIDE OF FREMONT ST. AT 2965 FREMONT STREET.
ELEVATION=1847.05 FEET/562.983 METERS (NAVD 88 DATUM)

LEGAL DESCRIPTION
THAT PARCEL OF LAND, BEING A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE CONCRETE MONUMENT, BEING THE INTERSECTION OF THE 200' RIGHT OF WAY NORTHERLY LINE OF THE STATE HIGHWAYS U.S. NUMBERS 93-95-466 WITH THE NORTHERLY 16TH SECTION LINE OF SAID SECTION 1, ALSO BEARING TO THE WESTERLY QUARTER CORNER OF SAID SECTION 1, SOUTH 86°21'15" WEST A DISTANCE OF 2438.51 FEET; THENCE QUARTERLY, ALONG SAID HIGHWAY RIGHT OF WAY LINE, BEARING SOUTH 42°27' EAST AT A DISTANCE OF 715.57 FEET TO A POINT, BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTH 42°27' EAST A DISTANCE OF 200 FEET TO A POINT; THENCE NORTH 47°33' EAST 200 TO A POINT; THENCE NORTH 42°27' WEST AND PARALLEL TO SAID HIGHWAY RIGHT OF WAY LINE, A DISTANCE OF 200 FEET TO A POINT; THENCE SOUTH 74°33' WEST A DISTANCE OF 200 FEET TO A POINT ON THE, AFORESAID HIGHWAY RIGHT OF WAY LINE, ALSO BEING THE TRUE POINT OF BEGINNING; SAID PARCEL OF LAND IS ALSO KNOWN AS LOT 6 AND 7 OF THE UNRECORDED PLAT OF K AND M SUBDIVISION.

- CONSTRUCTION NOTES**
- INSTALL 30" R1-1 "STOP" SIGN TO BE PRIVATELY MAINTAINED
 - PAINT CURB RED AND LABEL IN WHITE PAINT "FIRE LANE NO PARKING"
 - INSTALL 24"x18" SIGN (TYPE "B" SIGN), RED LETTERS ON REFLECTIVE WHITE BACKGROUND WITH 3/8" RED STRIP AROUND THE ENTIRE OUTER EDGE OF SIGN. LETTERING ON SIGN SHALL BE "ON STREET PARKING IN MARKED FIRE LANES PROHIBITED" AS SHOWN BELOW
 - PAINT 4" WIDE WHITE PARKING STRIPES AS SHOWN
 - PAINT HANDICAPPED ACCESSIBLE STRIPING/SYMBOLS PER ADA STANDARDS.
 - TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
 - SLIDING ACCESS GATES SEE ARCHITECTURAL PLANS.
 - INSTALL 100' R/W LED STREETLIGHT PER QPL PER CCAUSD # 300.SS, 314, 320 & 321.
 - INSTALL 3-1/2 PULLBOX PER CCAUSD #326
 - CONNECT CONDUIT TO KEEP EX. STREETLIGHTS TO THE NORTH OPERATIONAL
 - CONNECT TO EX. STREETLIGHT CONDUIT

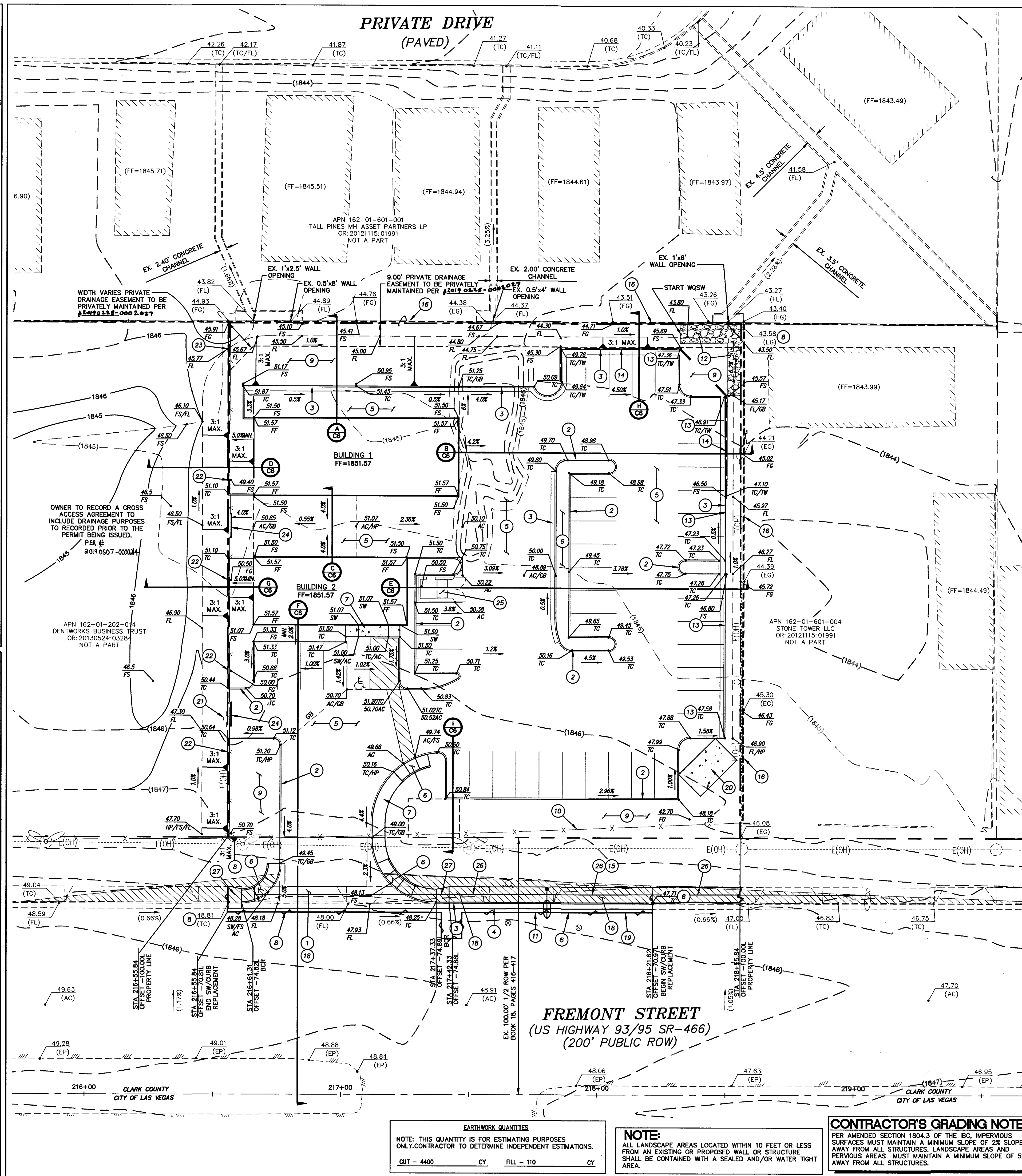
ON-STREET PARKING
IN MARKED
FIRE LANE AREAS
PROHIBITED

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS ACCEPTED
BY: *Ben G.* 5/7/2012
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW, SPECIFICATIONS, OR THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Call before you dig
811
FAST
Under Ground
1-800-227-2600 1-702-432-5300 1-702-227-2929

CivilWorks Inc.
Engineering with "sensible" solutions tailored to your "specific" needs.
Las Vegas, NV 89118
Office#: (702)534-1816
Fax#: (702)534-1825
4945 W. Patrick Lane
OWNER: FRANK STUCKEY
2825 FREMONT STREET
LAS VEGAS, NV
CONTACT: FRANK STUCKEY
PHONE: 702-403-2621
CONSULTANT LIST:
CIVILWORKS, INC.
CIVIL ENGINEER
No. 13121
PRINTS REQUIRE ENGINEER'S SEAL AND SIGN FOR PROOF OF VALIDITY
SHEET # 18-02521 207V259
C3
3 OF 6
PW18-14518

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
UTILITIES		
B.O. VALVE		
FIRE HYDRANTS		
CLEAN OUT		
GATE VALVE		
METER		
REDUCER		
CAP		
11.25" ELBOW		
22.25" ELBOW		
45" ELBOW		
90" ELBOW		
CROSS		
TEE		
MANHOLES		
ELECTRICAL		
SANITARY SEWER		
STORM DRAIN		
TELEPHONE		
STREET LIGHTS		
100W HPS SFLT.		
150W HPS SFLT.		
200W HPS SFLT.		
250W HPS SFLT.		
400W HPS SFLT.		
GRADING		
SPOT ELEV.		
SLOPE		
5' CONT.		
1' CONT.		
SITE		
SIGN		
"L" CURB		
"A" CURB		
EDGE OF P.W.M.T.		
WALL		
LINE TYPES		
CL OR SECTION LINE		
PROPERTY LINE		
CONCRETE PAVEMENT		
RIGHT OF WAY LINE		
EASEMENT LINE		
FLOW LINE		
SHADES		
HEAVY AC PAVEMENT		
LIGHT AC PAVEMENT		



CONSTRUCTION NOTES

- ① CONSTRUCT COMMERCIAL DRIVEWAY AND CROSS PAVEMENT PER CCAUSD #225 AND 228, WITH GEOMETRICS PER CCAUSD #222.1.
- ② CONSTRUCT 'A' TYPE CURB PER CCAUSD #219.
- ③ CONSTRUCT 'L' TYPE CURB & GUTTER PER CCAUSD #216.
- ④ REMOVE EXISTING CURB AND GUTTER & DISPOSE OF PROPERLY.
- ⑤ CONSTRUCT 2.5" AC PAVEMENT OVER 5.5" TYPE II AGGREGATE BASE. SEE GEOTEK INC. REPORT #13381-LV
- ⑥ CONSTRUCT ADA RAMP PER CCAUSD #235, CASE I, A&B=B'.
- ⑦ CONSTRUCT 5' WIDE CONCRETE SIDEWALK PER CCAUSD #234.
- ⑧ MATCH EXIST. ELEVATION
- ⑨ LANDSCAPE AREA. SEE LANDSCAPE ARCHITECT'S PLANS.
- ⑩ REMOVE CHAINLINK FENCE AND RETURN TO OWNER.
- ⑪ SAWCUT, BACKFILL, AND AC PAVEMENT REPAIR PER CCAUSD #500.4, #500.5, AND #503.
- ⑫ CONSTRUCT WATER QUALITY SWALE PER DETAIL ON SHEET C6.
- ⑬ CONSTRUCT CURB OPENING PER DETAIL ON SHEET C6.
- ⑭ CONSTRUCT RETAINING WALL PER SOUTHERN NEVADA BUILDING OFFICIALS REGIONAL STANDARD B-100-2
- ⑮ REMOVE EXISTING SIDEWALK & DISPOSE OF PROPERLY.
- ⑯ EXISTING WALL TO REMAIN, PROTECT IN PLACE
- ⑰ EXISTING POWER POLES TO REMAIN.
- ⑱ REMOVE EXISTING DRIVEWAY & DISPOSE OF PROPERLY.
- ⑲ SAWCUT AC PAVING, REMOVE AND DISPOSE OF PROPERLY.
- ⑳ CONSTRUCT 6" CONCRETE OVER 6" TYPE II AGGREGATE BASE. SEE GEOTEK INC. REPORT #13381-LV.
- ㉑ REMOVE EXISTING POLE. CONFIRM ITS OWNER AND RETURN POLE TO OWNER.
- ㉒ CONSTRUCT 1'x4' BLOCK WALL OPENING SEE DETAIL PAGE C6.
- ㉓ CONSTRUCT 2'x10' BLOCK WALL OPENING SEE DETAIL PAGE C6.
- ㉔ CONSTRUCT ROLLING STEEL GATE SEE ARCHITECT PLANS.
- ㉕ CONSTRUCT TRASH ENCLOSURE SEE ARCHITECT PLANS.
- ㉖ CONSTRUCT 6' WIDE CONCRETE SIDEWALK PER CCAUSD #234.
- ㉗ CONSTRUCT 6' TO 5' SIDEWALK TRANSITION FROM BCR TO PL

FLOODZONE NOTE:
THE SUBJECT LIES WITHIN FEMA ZONE X PER MAP NUMBER 32003C2190F, EFFECTIVE DATE NOVEMBER 16, 2011, INDICATES THE SITE IS LOCATED WITHIN FEMA ZONE "X". ZONE X IS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

STORMWATER MANAGEMENT

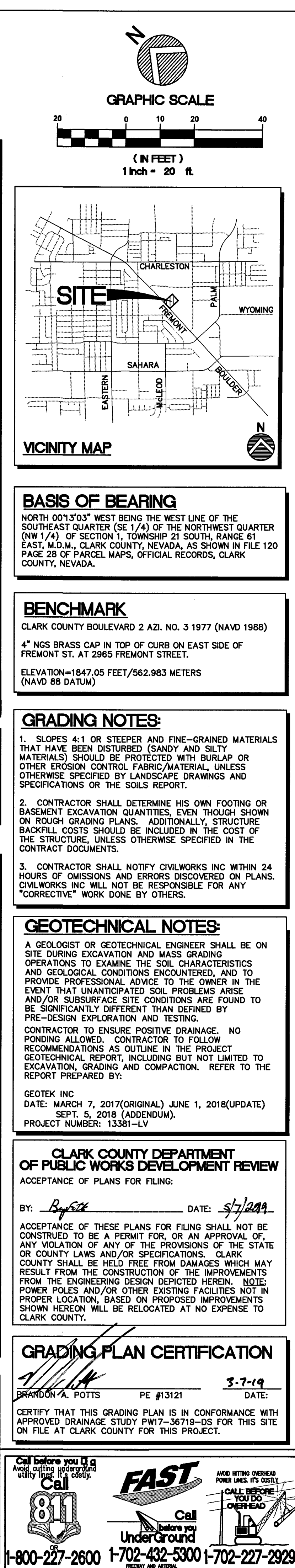
NOTES:

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO OR ACCUMULATED IN THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR THE UNDETERMINED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NHP1000000, SECTION III-A.5.

4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS, AND ALL EQUIPMENT AREAS EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAINFALL EVENTS OF 0.1 INCH OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMITS CONSTRUCTION ACTIVITY NRP 100000, SECTION II.A.17.2.

5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT SHALL BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

The diagram shows a road with a vehicle. A sight triangle is defined by the vehicle's position and the intersection. The sight triangle is labeled 'S' and is shaded with diagonal lines. The text 'SIGHT VISIBILITY ZONE - NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT MEASURED FROM THE TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG SIGHT VISIBILITY LINE THROUGH LANDSCAPE MEDIAN.' is written below the diagram.



GRADING PLAN		STUCKEY CAR SALES © 2925 FREMONT STREET		OWNER FRANK STUCKEY 2625 FREEMONT STREET LAS VEGAS, NV CONTACT: FRANK STUCKEY PHONE: 702-403-2621	
CONSULTANT LIST: HHHSurveyInc4 4045 W. PATRICK LANE LAS VEGAS, NV 89118 OFFICE #: (702) 534-1816 FAX #: (702) 534-1825		CivilWorksInc Engineering with "sensible" solutions tailored to your "specific" needs.		4045 W. PATRICK LANE LAS VEGAS, NV 89118 OFFICE #: (702) 534-1816 FAX #: (702) 534-1825	
DATE: 01/04/19 PROJECT: 17005-00 DRAWN BY: BGP CHECKED BY: BGP REVISIONS: Δ Δ Δ Δ Δ Δ		PRINTS REQUIRE ENGINEER'S SEAL AND SIGN FOR PROOF OF VALIDITY  3-7-19			
SHEET #: C4		L18-02521 207V259			
PW18-14518		4 OF 6			

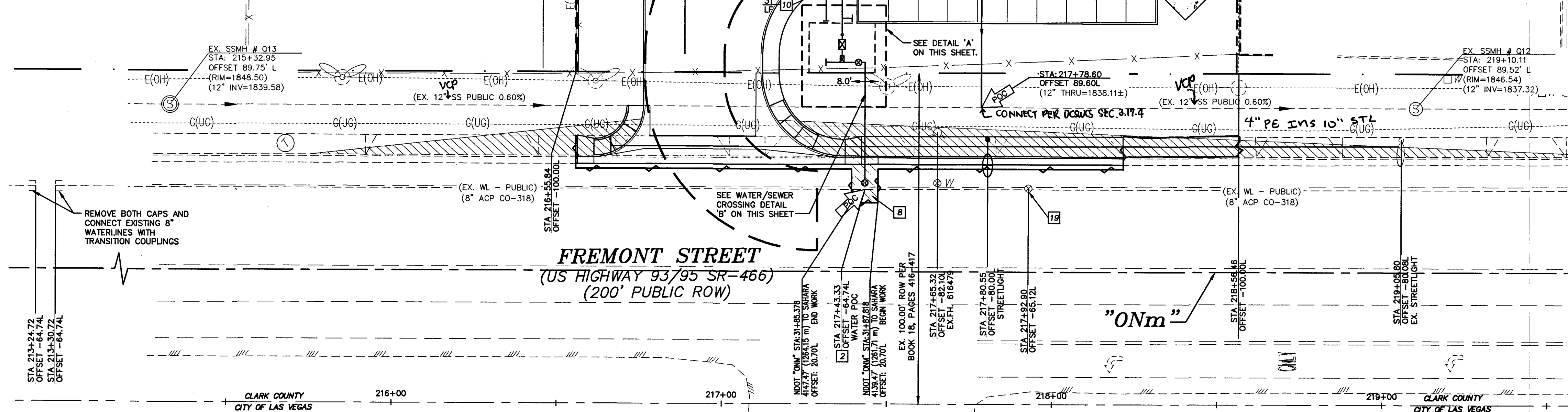
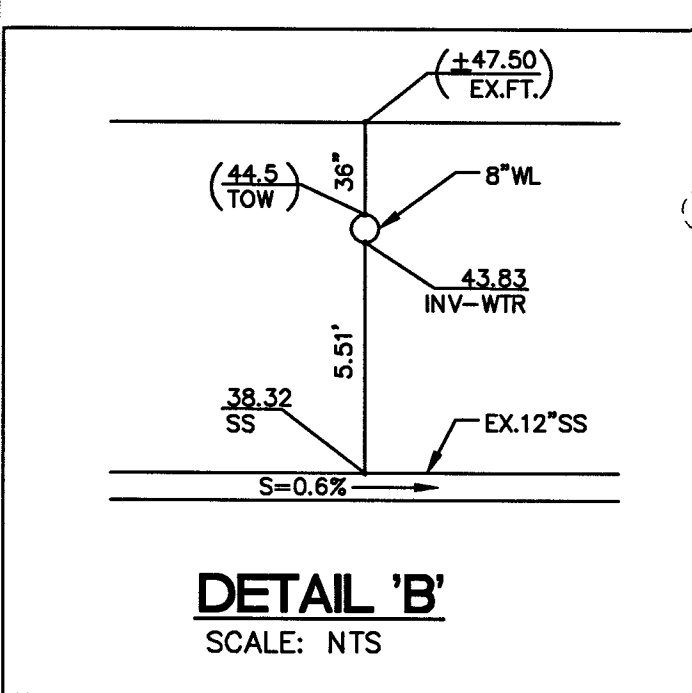
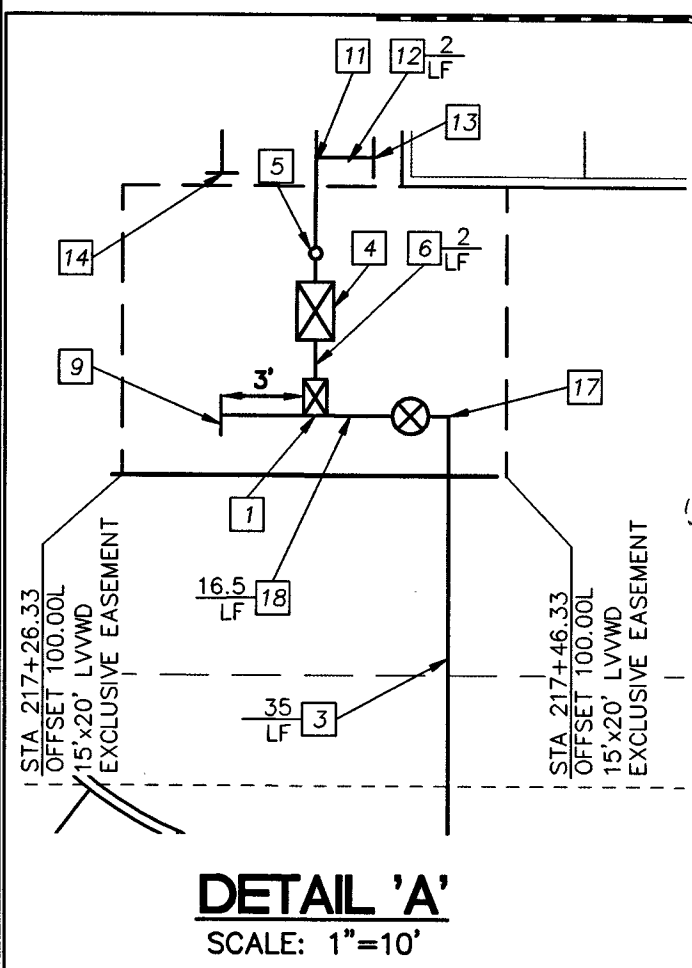
ABBREVIATIONS
(SEE C.V.R. SHT. FOR COMPLETE LIST)

AC	ADJUST
AGG	AGGREGATE
BC	BACK OF CURB
BGR	BEGINNING OF CURB RETURN
BEG	BEGIN
BSW	BACK OF SIDEWALK
BVC	BEGINNING OF VERTICAL CURVE
CATV	CABLE TV
CAUSID	CLARK COUNTY AREA
CCRFCD	UNIFORM STANDARD DRAWING
CL	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT CENTERLINE
CLV	CITY OF LAS VEGAS
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COMM	COMMUNICATIONS
COND	CONDUIT
CULV	CULVERT
DC	DECOMPOSED CURB
DG	DECOMPOSED GRANITE
DIP	DUCTILE IRON PIPE
DOM	DOMESTIC
ELEC	ELECTRIC
EAC	EDGE OF AC
END	END OF CURB RETURN
EG	EXISTING GROUND
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EV	END OF VERTICAL CURVE
EX	EXISTING
FAST	FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION
FF	FINISH GRADE
FG	FINISH GRADE
FL	FIRE HYDRANT
FL	FLOW LINE
FO	FIBER OPTICS
FS	FINISHED SURFACE

GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE
HDWL	HEADWALL
HGL	HYDRAULIC GRADE LINE
HP	HIGH POINT
INV	INVERT
IRR	IRRIGATION
LAT	LATERAL
LF	LINEAL FEET
LS	LANDSCAPE
LT	LEFT
LVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MIN	MINIMUM
MTR	METER
PL	PULL BOX
PP	PROPERTY LINE
PROP	PROPOSED
PVC	POLY VINYL CHLORIDE PIPE
PVMT	PAVEMENT
RM	TOP OF MANHOLE OR CLEANOUT
RT	RIGHT-OF-WAY
SS	SANITARY SEWER
SD	STORM DRAIN
SNWA	SOUTHERN NEVADA WATER AUTHORITY
STA	STATION
STLT	STREET LIGHT
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
TEL	TELEPHONE
TC	TOP OF CURB
TF	TOP OF FOOTING
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
VG	VALLEY GUTTER
WL	WATER LINE

LEGEND

DESCRIPTION	EXISTING	PROPOSED
UTILITIES		
B.O. VALVE		
FIRE HYDRANTS		
CLEAN OUT		
GATE VALVE		
METER		
REDUCER		
CAP		
11.25' ELBOW		
22.5' ELBOW		
45' ELBOW		
90' ELBOW		
CROSS		
TEE		
MANHOLES		
ELECTRICAL		
SANITARY SEWER		
STORM DRAIN		
TELEPHONE		
STREET LIGHTS		
100W HPS STL.		
150W HPS STL.		
200W HPS STL.		
250W HPS STL.		
400W HPS STL.		
GRADING		
SPOOT ELEV.	12.35	12.34
SLOPE	1.23%	1.23%
5' CONT.	(2005)	(2005)
1' CONT.	(2007)	(2007)
SITE		
SIGN		
"L" CURB		
"A" CURB		
EDGE OF PAVT.		
WALL		
LINE TYPES		
CL OR SECTION LINE		
PROPERTY LINE		
RIGHT OF WAY LINE		
EASEMENT LINE		
SAWTOOTH LINE		
FLOW LINE		
SHADES		
HEAVY AC PAVEMENT		
LIGHT AC PAVEMENT		
CONCRETE PAVEMENT		



LWWD SURVEY NOTE:
CONTRACTOR SHALL EMPLOY A NEVADA LICENSED PROFESSIONAL LAND SURVEYOR (PLS) TO FIELD STAKE THE EXTENT OF THE PROPOSED/EXISTING LWWD EASEMENT WITHIN THE PROJECT SITE. THESE STAKES SHALL BE CONTINUOUSLY MAINTAINED DURING THE CONSTRUCTION OF THE PROJECT. THE PLS SHALL ALSO FIELD STAKE THE PROPOSED EXTENT OF ADJACENT PROJECT BUILDING IMPROVEMENTS IMMEDIATELY ADJACENT TO THE EASEMENT. CONTRACTOR SHALL NOTIFY THE LWWD INSPECTOR AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO PROPOSED INITIAL BUILDING EXCAVATION AND FOUNDATION CONSTRUCTION ACTIVITY. LWWD WILL INSPECT THE FIELD STAKING FOR COMPLIANCE WITH SEPARATION REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY LWWD PRIOR TO UTILITY TRENCHING OR ANY OTHER SUBGRADE EFFORTS WITHIN THE PROPOSED/EXISTING LWWD EASEMENT.

FIRE FLOW CALCULATIONS
STUCKEY CAR SALES

BASED ON: SQUARE FOOTAGE:
TYPE OF CONSTRUCTION: V-B
BLDG 1: 1,600 S.F.
BLDG 2: 2,400 S.F.

SQUARE FOOTAGE:
NUMBER OF STORIES: 1
BUILDING HEIGHT: 25'
OCCUPANCY: B-OFFICE/S-1 AUTOMOTIVE REPAIR

SPRINKLER SYSTEM: NO
NUMBER OF HYDRANTS: 1 EXISTING
FLOW REQUIRED @ 20 PSI RESIDUAL: 1500 GPM

NOTE:
NEVADA DEPARTMENT OF TRANSPORTATION PERMIT REQUIRED:
AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE AGENCY PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY. THE DEVELOPER ASSUMES ALL LIABILITY FOR WORK CONDUCTED UNDER THE AGENCY OBTAINED PERMIT THROUGH WARRANTY EXPIRATION.

NOTE:
PRETREATMENT INTERCEPTOR
INTERCEPTOR (GREASE OR SAND) SHOWN FOR REFERENCE PURPOSES ONLY
SIZING REQUIREMENTS FOR COWD REVIEW AND APPROVAL TO BE INCLUDED ON THE CLARK COUNTY BUILDING DEPARTMENT TENANT IMPROVEMENT PLANS/PERMIT OR ON THE ARCHITECTURAL PLUMBING PLANS.

NOTE:
ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.08.010.

NOTE:
CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES. CONTRACTOR SHALL LOCATE EXISTING UTILITIES AND VERIFY UTILITY CONNECTION LOCATIONS, AND ANY DISCREPANCIES SHALL BE COORDINATED WITH THE OWNER, ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.

ENGINEER NOTE: POINT OF CONNECTION
CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES AND CONSTRUCTION OF SANITARY SEWER AND SEWER LATERALS OF ALL INVERT ELEVATIONS, ONCE INVERT INFORMATION IS RECEIVED, THE SLOPE AND INVERTS WILL BE REVISED ACCORDINGLY. IF THE CONTRACTOR DOES NOT PROVIDE THE INFORMATION, THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE SANITARY SEWER DESIGN.

SOUTHWEST GAS APPROVAL
DATE: 3/14/19
SOUTHWEST GAS CORPORATION

NOTE:
IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS STANDARDS, AND AT THE DEVELOPER'S EXPENSE.

NOTE:
EXISTING UTILITIES SHOWN ON THIS SHEET ARE SHOWN PER INFORMATION PROVIDED BY THE OWNER AND THE ENTITIES. CIVILWORKS IS NOT RESPONSIBLE FOR EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS. CONTRACTOR IS TO POTHOLE AND VERIFY EXISTING UTILITY LOCATIONS, DEPTHS AND INVERTS AND NOTIFY ENGINEER/ARCHITECT OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

NOTE:
CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

NOTE:
THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE THE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.
CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

EXISTING SERVICES:
IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS STANDARDS, AND AT THE DEVELOPER'S EXPENSE.

SIGHT VISIBILITY ZONES
SIGHT VISIBILITY ZONE - NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG SIGHT VISIBILITY LINE THROUGH LANDSCAPE MEDIANS.

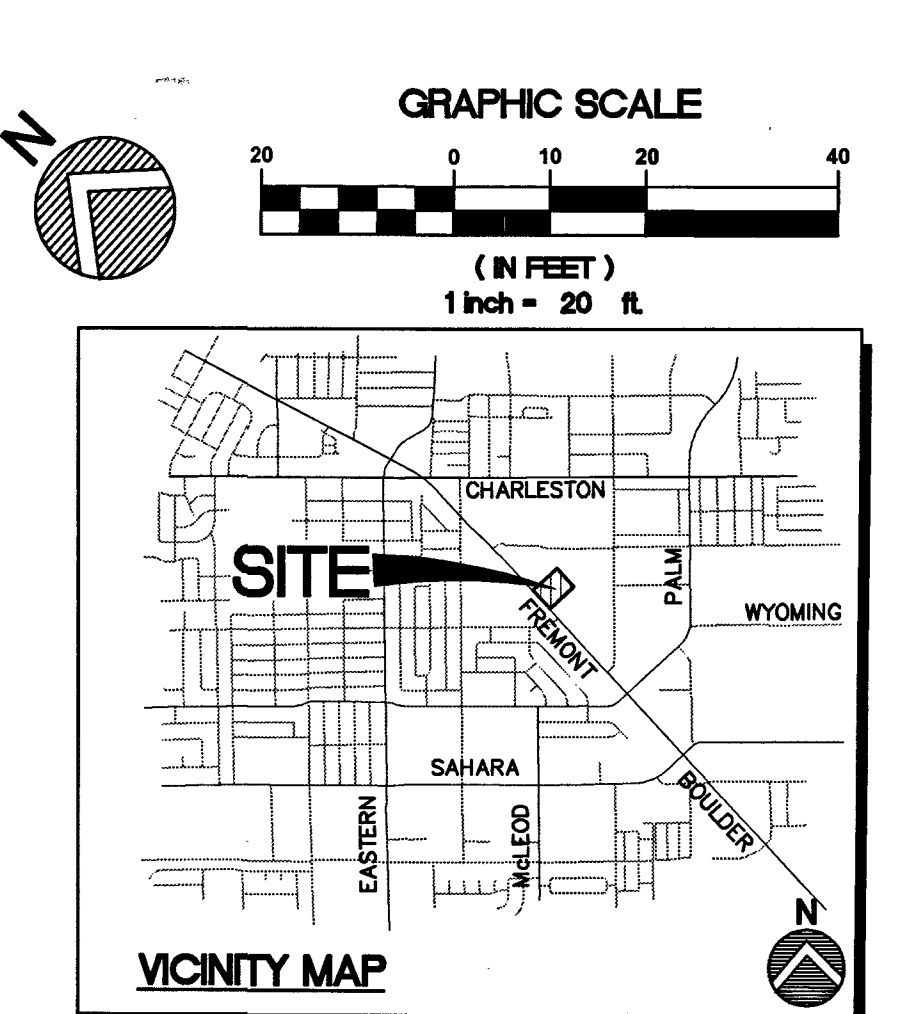
- WATER CONSTRUCTION NOTES**
- INSTALL 1.5" SERVICE SADDLE, 1.5" TYPE K COPPER WATERLINE, & INSTALL 1.5" METER PER UDACS PLATE #4.
 - INSTALL 8"x8" TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS PLATE #34 AND #39
 - INSTALL 8" CLASS 53 DIP WATER LINE. (PUBLIC)
 - INSTALL 1.5" RPPA PER UDACS PLATE #8.
 - INSTALL 1.5" CURB STOP (BALL VALVE) IN APPROVED BOX.
 - INSTALL 1.5" BRASS WATER. (PUBLIC)
 - INSTALL 90° BEND, (MATCH SIZE)
 - TRENCH, SAWCUT, BACKFILL & AC PAVEMENT RESTORATION PER UDACS PLATE #17 & CCAUSD #503. PAVEMENT RESTORATION PER CCAUSD #500.4, 500.5, AND 503. TRENCH AND BACKFILL TO LANE LINE.
 - STUB AND CAP. SEE PLUMBING PLANS.
 - INSTALL 1.5" PVC WATER LINE. (PRIVATE)
 - INSTALL 1" SERVICE SADDLE
 - INSTALL 1" PVC WATER LINE FOR IRRIGATION. (PRIVATE)
 - STUB AND CAP. SEE LANDSCAPE PLANS. (PRIVATE)
 - STUB AND CAP FOR FUTURE CONNECTION
 - INSTALL 8" GATE VALVE PER UDACS PLATE #30.
 - INSTALL 1" SERVICE SADDLE, 1" TYPE K COPPER WATERLINE, & INSTALL 1" METER BOX PER UDACS PLATE #4.
 - INSTALL 8" ELBOW W/ 6" REDUCER
 - INSTALL 6" CLASS 53 DIP WATER LINE. (PUBLIC)
 - INSTALL 8" ZONE VALVE IN CLOSED POSITION

APPROVED FOR CONSTRUCTION
Las Vegas Valley Water District Engineering Services
Project No. 135214 First Approved Date: 3-28-19
LVWD Approved Fire Flow: Total 1,500 GPM/Onsite 1,500 GPM

CLARK COUNTY FIRE DEPARTMENT APPROVAL
BY: [Signature] DATE: 3-14-19
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1500 GPM AT 20 P.S.I. RESIDUAL.

CLARK COUNTY WATER RECLAMATION DISTRICT
COWD PIPES NUMBER IS 18-708
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.

FAST
Call before you dig
1-800-227-2600 1-702-432-5300 1-702-227-2929



BASIS OF BEARING
NORTH 0°13'03" WEST BEING THE WEST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN IN FILE 120 PAGE 28 OF PARCEL MAPS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK
CLARK COUNTY BOULEVARD 2 AZI. NO. 3 1977 (NAVD 1988)
4" NGS BRASS CAP IN TOP OF CURB ON EAST SIDE OF FREMONT ST. AT 2985 FREMONT STREET.
ELEVATION=1847.05 FEET/562.983 METERS (NAVD 88 DATUM)

- SEWER CONSTRUCTION NOTES**
- INSTALL 6" PVC SS LATERAL PER DCSWCS SD-18, SD-23, SD-25.
 - INSTALL 6" PVC SS LATERAL PER SD-23 AND SD-25 (SLOPE PER PLAN). TRENCH & BACK FILL PER DCSWCS NO SD-18.
 - INSTALL WYE PER DCSWCS SD-12.
 - INSTALL 2" PVC SS VENT LATERAL PER SD-23 AND SD-25 (SLOPE PER PLAN). TRENCH & BACK FILL PER DCSWCS NO SD-18.
 - INSTALL SAND/OIL INTERCEPTOR, SAMPLE BOX, AND CLEANOUTS PER PLUMBING PLANS.
 - INSTALL 6" TRAFFIC-RATED SS CLEANOUT PER DCSWCS NO SD-26.
 - STUB AND CAP. SEE PLUMBING PLANS FOR CONTINUATION.

UTILITY PLAN

DATE: 07/20/19
DRAWN BY: [Signature]
CHECKED BY: [Signature]
REVISIONS: [Table with 3 columns: NO., DATE, DESCRIPTION]

PRINTS REQUIRE ENGINEER'S SEAL AND SIGN FOR PROOF OF VALIDITY

CLARK COUNTY ENGINEER
BRANDON A. POTTS
Exp: 12/31/19
CIVIL
No. 13171

SHEET # 18-02521 207V259
C5
5 OF 6
PW18-14518

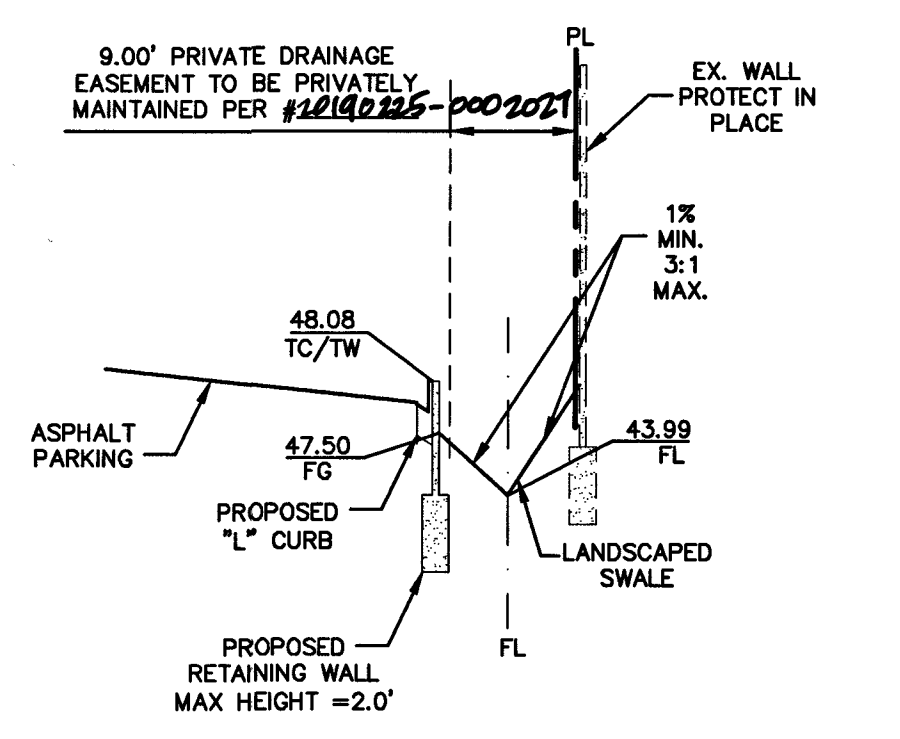
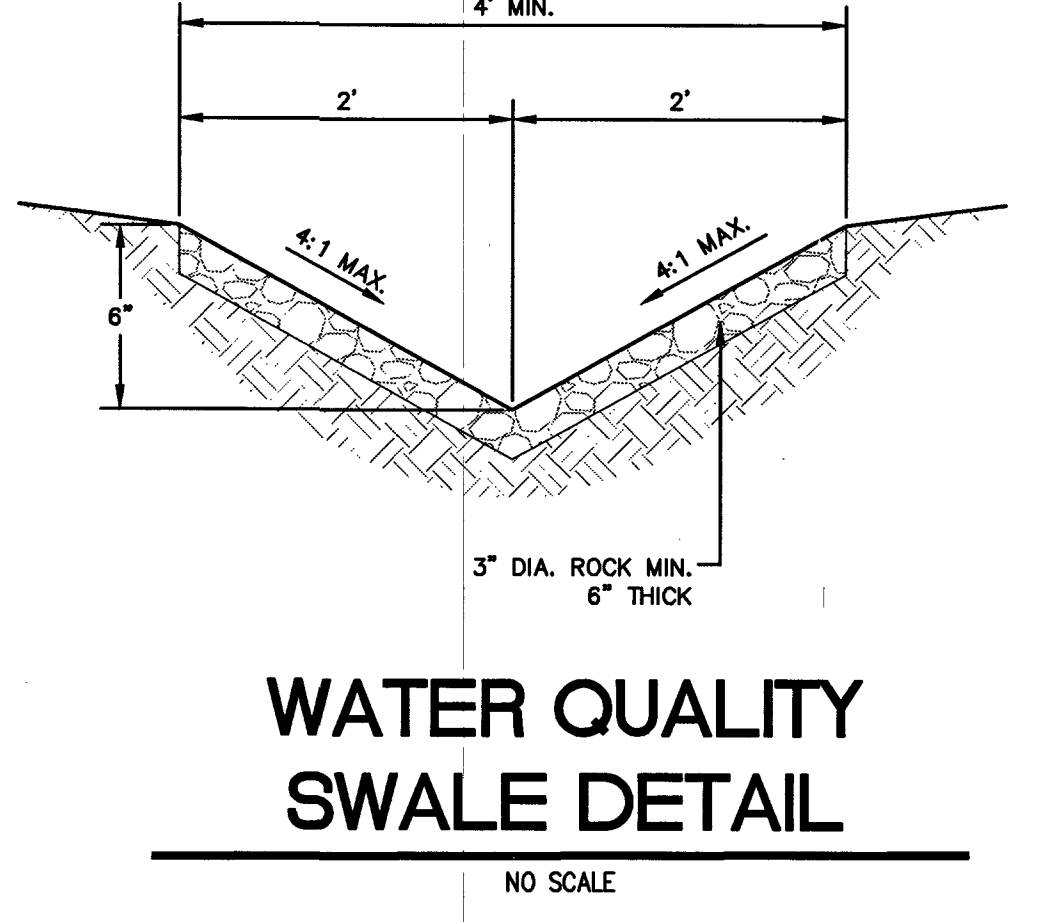
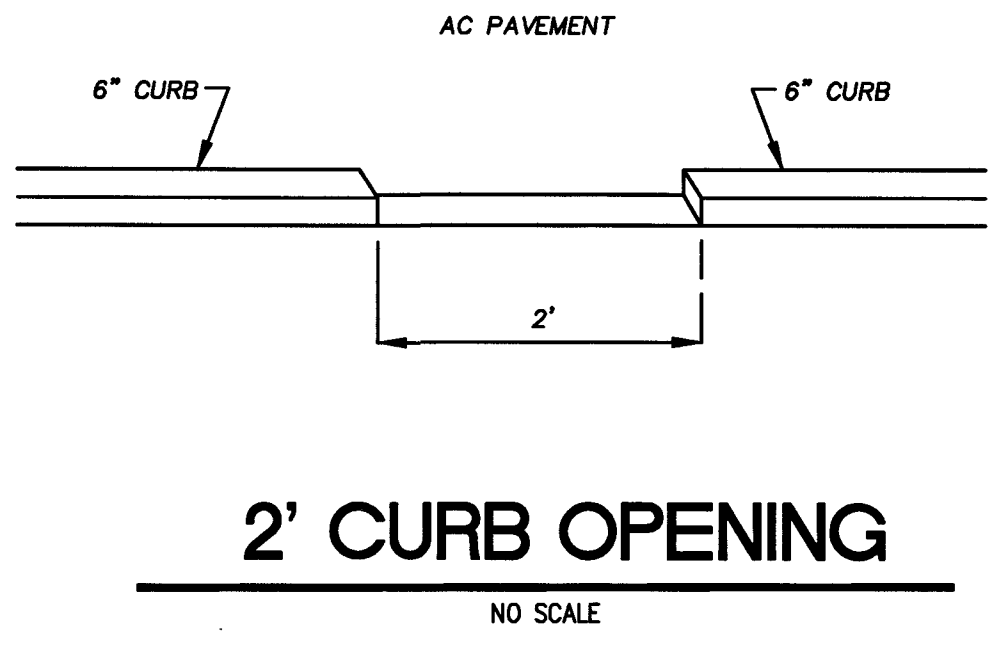
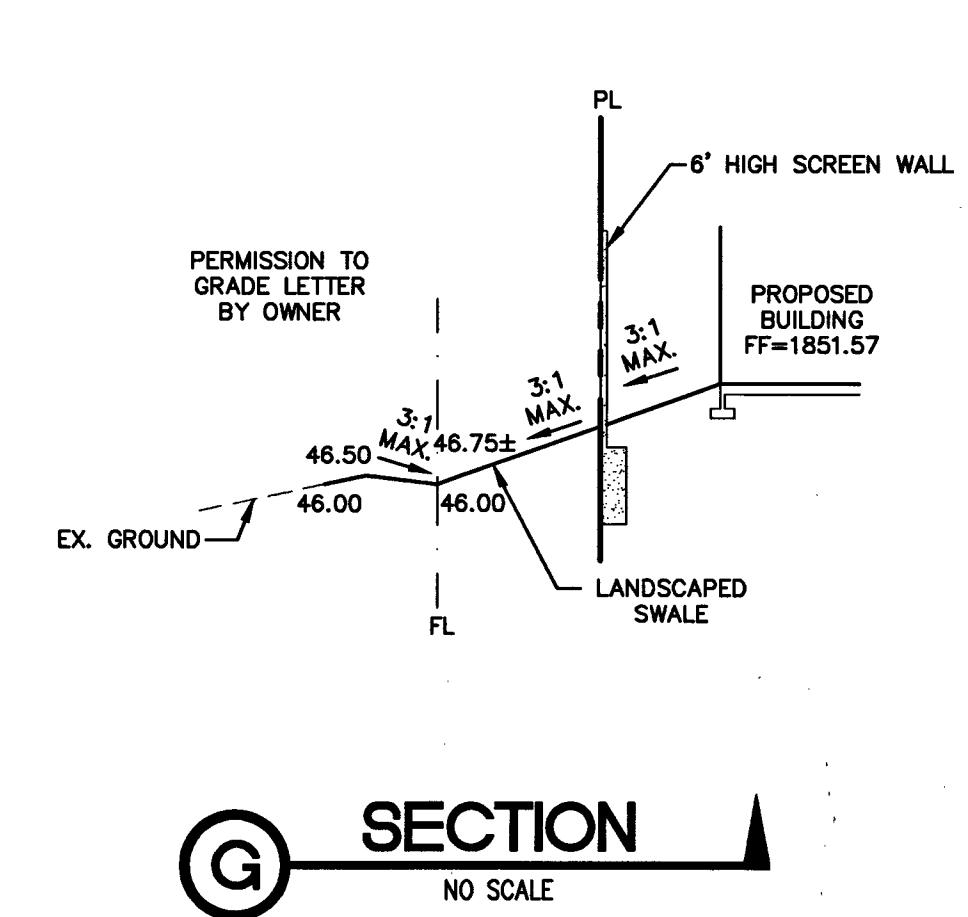
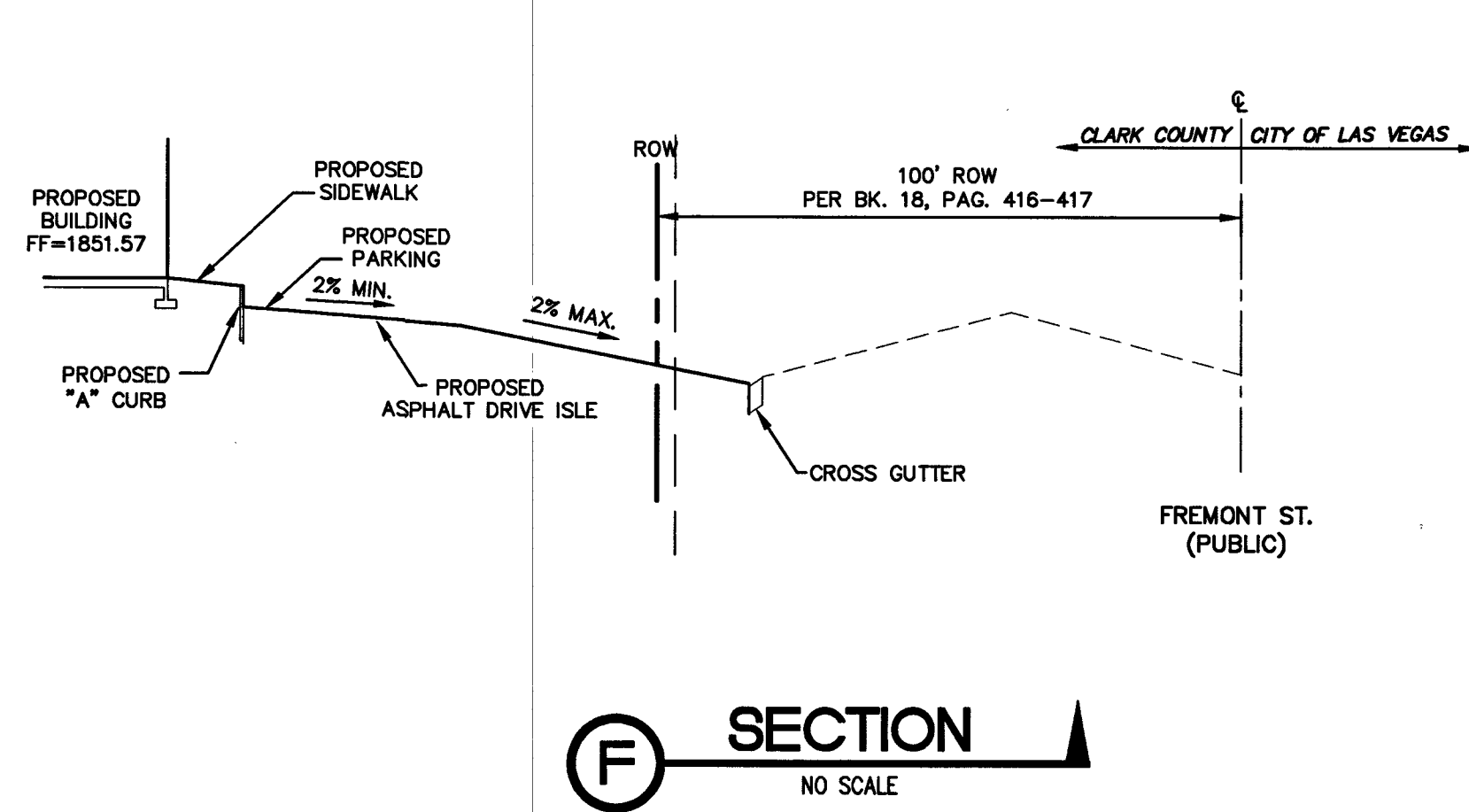
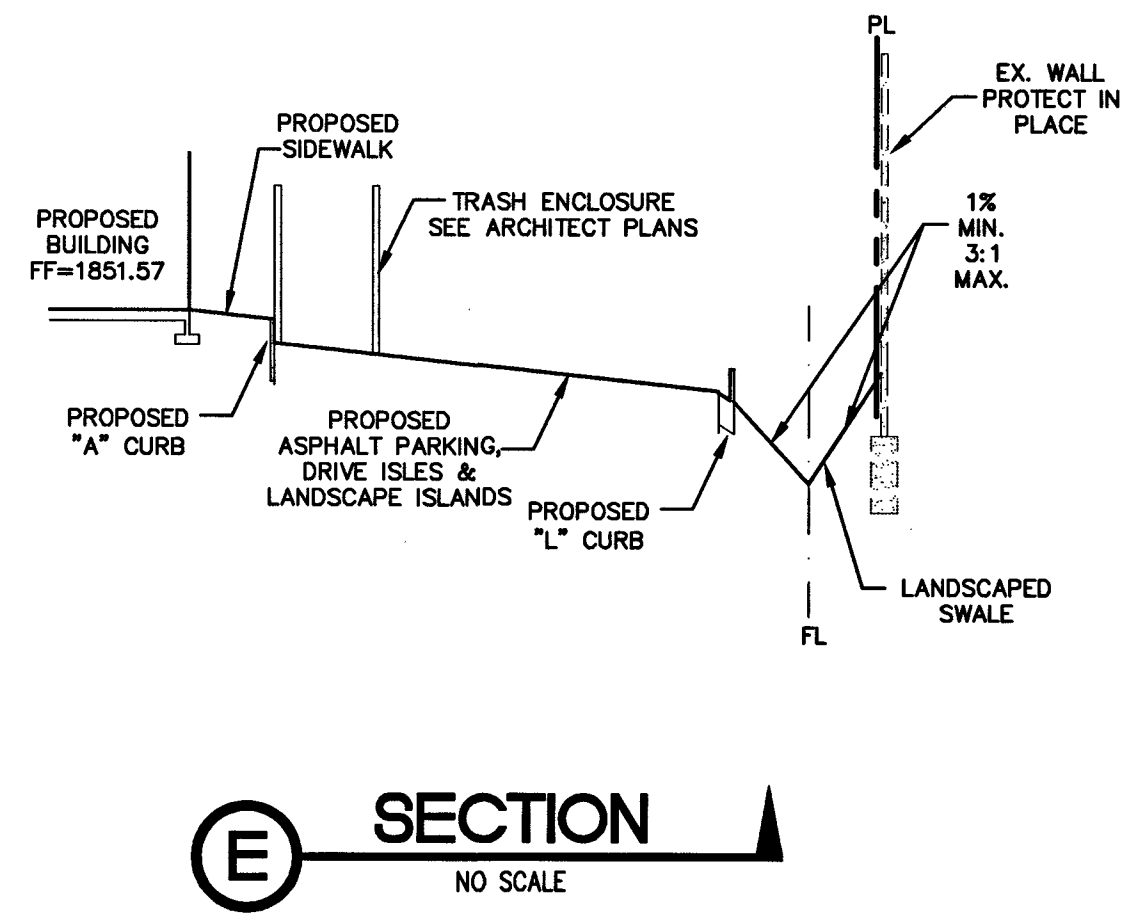
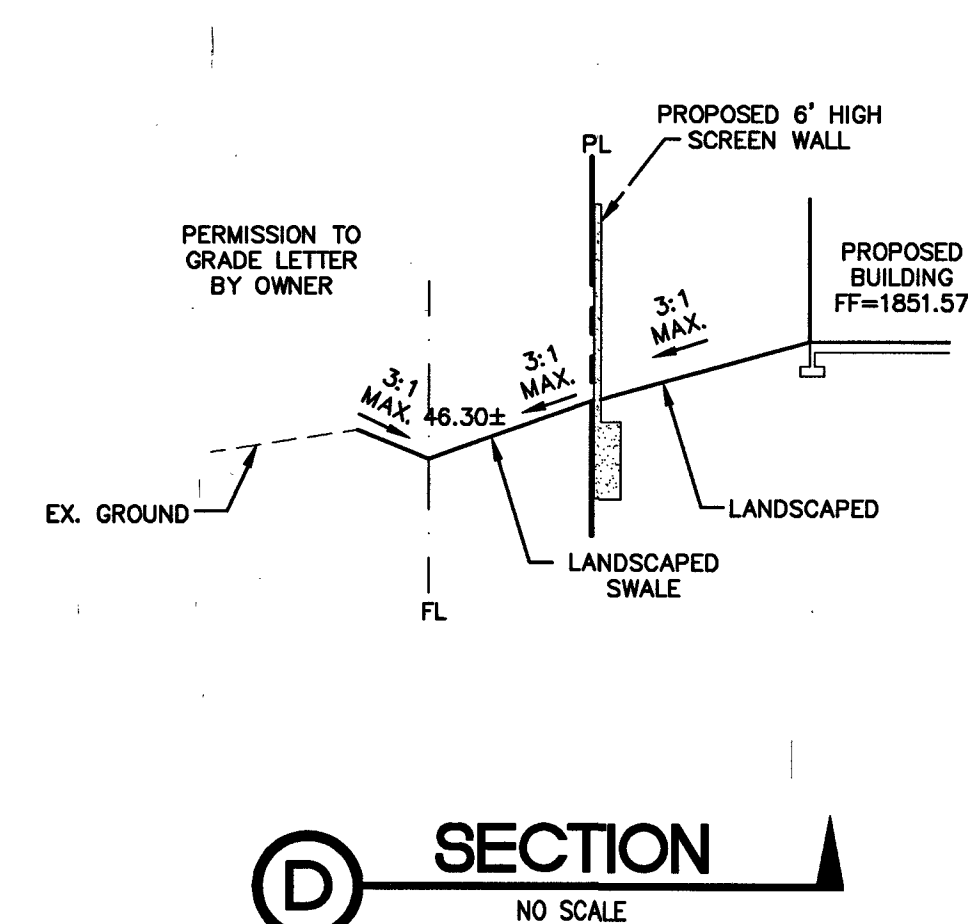
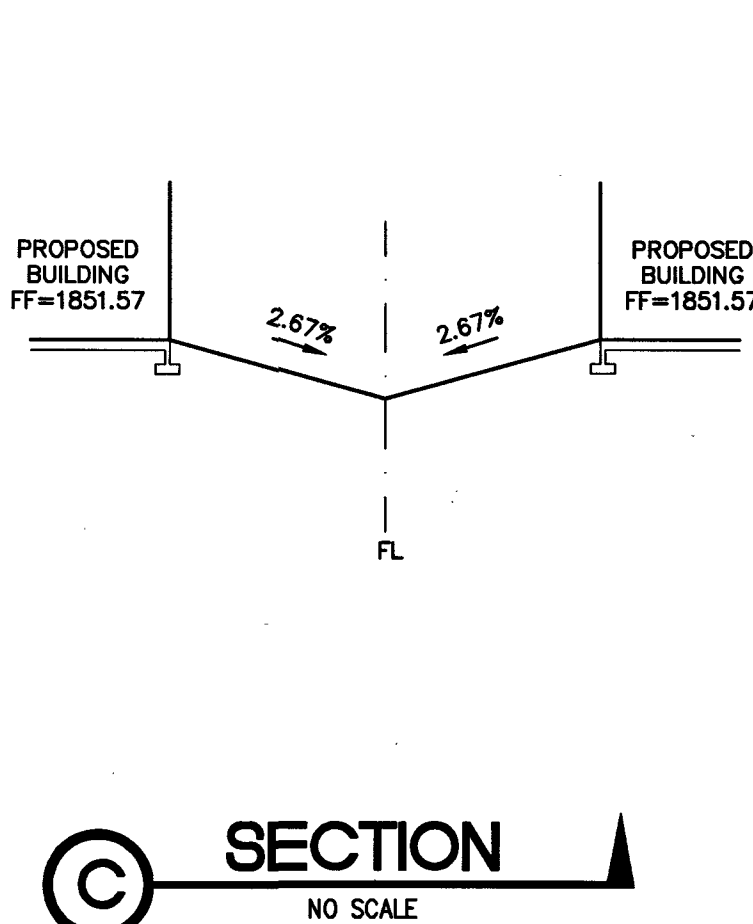
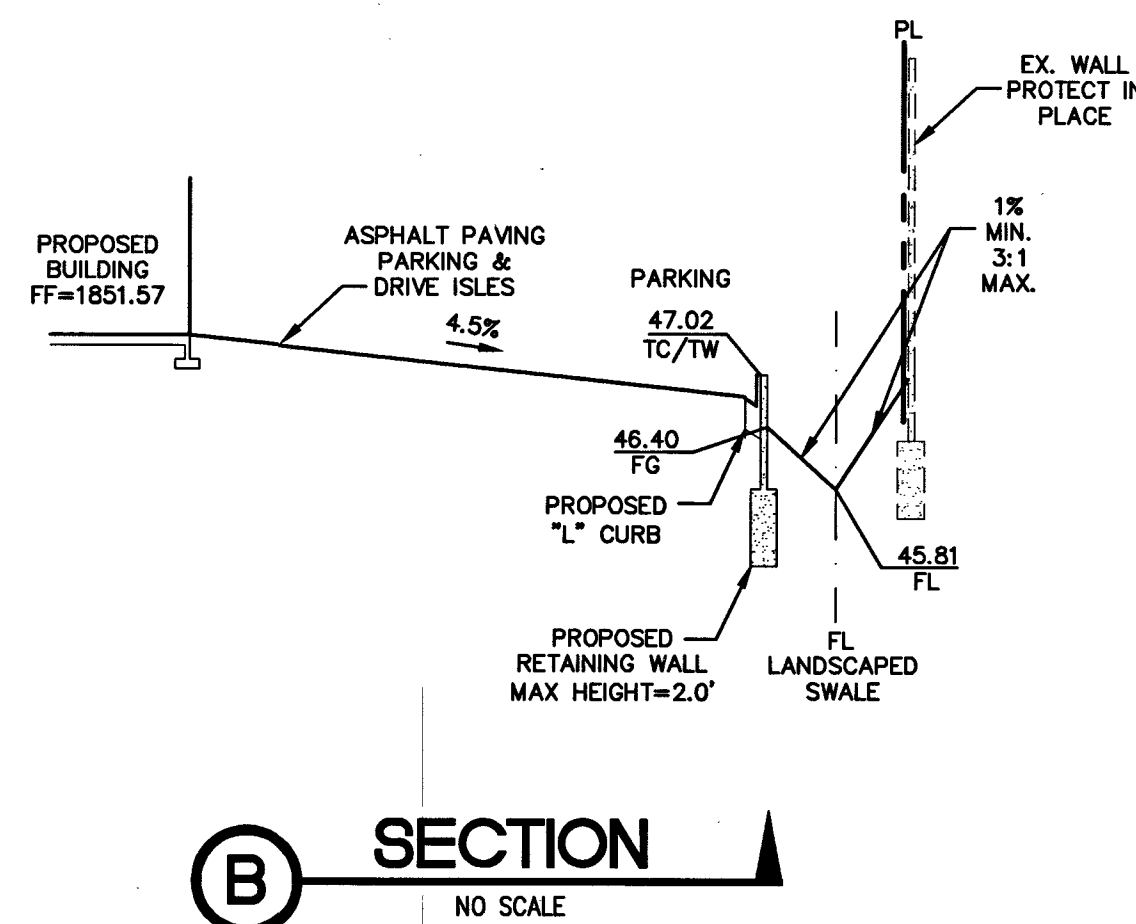
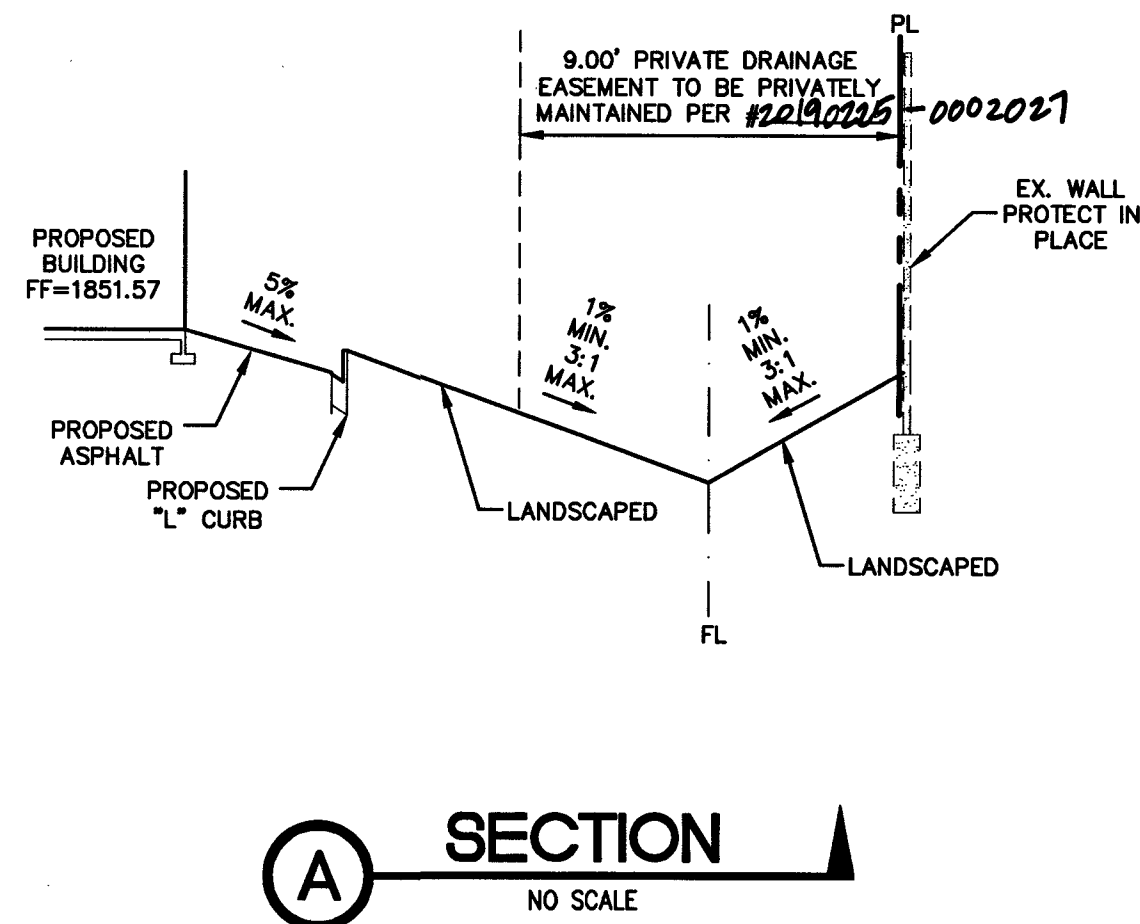
CivilWorksInc
Engineering with "sensible" solutions tailored to your "specific" needs.
Las Vegas, NV 89118
Office#: (702)534-1816
Fax#: (702)534-1825

STUCKEY CAR SALES
© 2925 FREMONT STREET
OWNER FRANK STUCKEY
2625 FREMONT STREET
LAS VEGAS, NV
CONTACT FRANK STUCKEY
PHONE: 702-403-2621

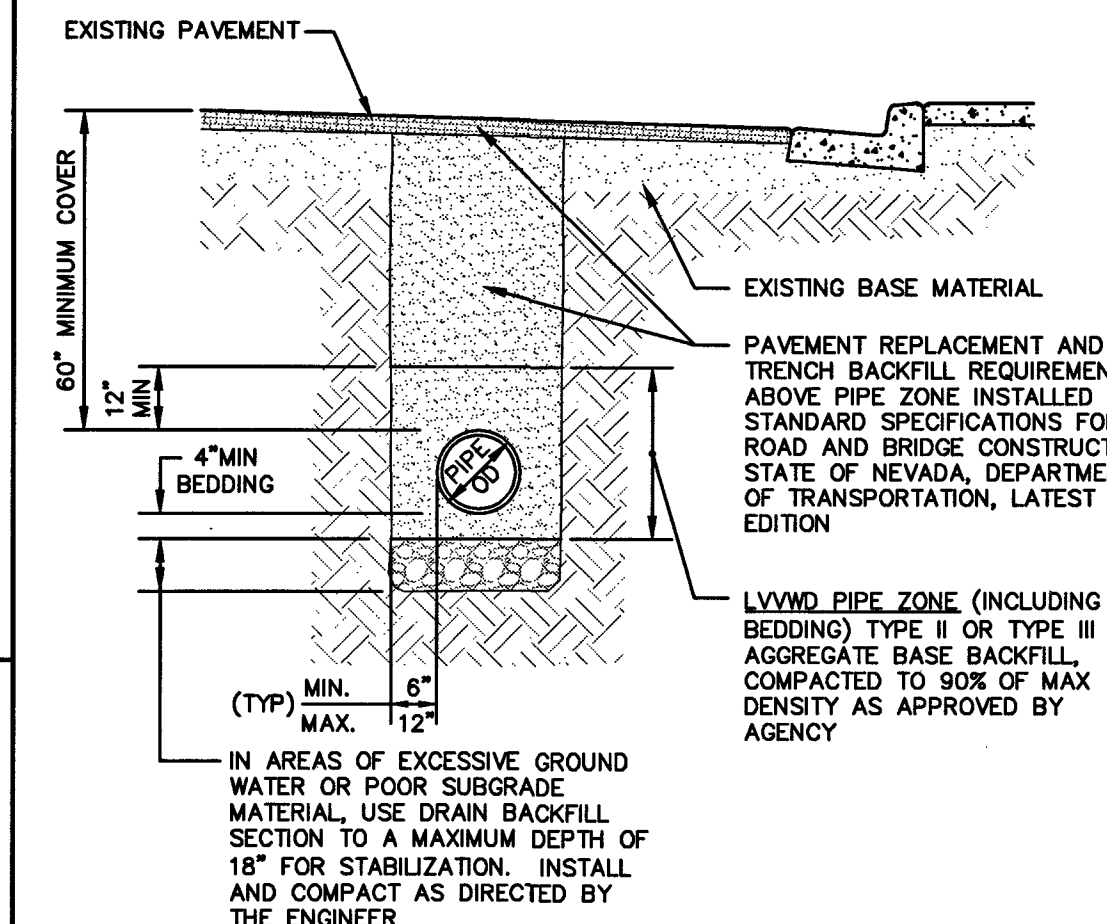
PROJ# 135214A QS162-01-NE

ABBREVIATIONS	
AC	ASPHALTIC CONCRETE
ADJ	ADJUST
AGG	AGGREGATE
BCR	BACK OF CURB
BEG	BEGINNING OF CURB RETURN
BEG	BEGIN
BSW	BACK OF SIDEWALK
BVC	BEGINNING OF VERTICAL CURVE
CATV	CABLE TV
CCAUUSD	CLARK COUNTY AREA
CORFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT CENTERLINE
CL	CITY OF LAS VEGAS
COMU	COMMUNICATIONS UNIT
CO	CLEAN OUT
COMM	COMMUNICATIONS
CONC	CONCRETE
COND	CONDUIT
CULV	CULVERT
DC	DECOMPOSED CURB
DIG	DECOMPOSED GRANITE
DIP	DIAPHRAGM IRON PIPE
DOM	DOMESTIC
ELEC	ELECTRIC
EAC	EDGE OF AC
EOR	END OF CURB RETURN
EG	EXISTING GROUND
ELEV	ELEVATION
ED	EDGE OF PAVEMENT
ESC	END OF VERTICAL CURVE
EX	EXISTING
FAST	FREIGHTWAY & ARTERIAL SYSTEM OF TRANSPORTATION
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FIRE HYDRANT
FO	FLOW LINE
FS	FIBER OPTICS
FS	FINISHED SURFACE
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE
HDWL	HEADWALL
HGL	HYDRAULIC GRADE LINE
HP	HIGH POINT
INV	INVERT
IRR	IRRIGATION
LAT	LATERAL
LF	LINEAL FEET
LS	LANDSCAPE
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MTR	METER
PL	PULL BOX
PP	PROPERTY LINE
PROP	PROPOSED
PVC	POLY VINYL CHLORIDE PIPE
PVMT	PAVEMENT
RIM	TOP OF MANHOLE OR CLEANOUT
RT	RIGHT-OF-WAY
SS	SANITARY SEWER
SD	STORM DRAIN
SNWA	SOUTHERN NEVADA WATER AUTHORITY
STA	STATION
STL	STREET LIGHT
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
TEL	TELEPHONE
TC	TOP OF CURB
TF	TOP OF FOOTING
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
VG	VALLEY GUTTER
WL	WATER LINE

LEGEND	
DESCRIPTION	EXISTING PROPOSED
UTILITIES	
B.O. VALVE	↑
FIRE HYDRANTS	○
CLEAN OUT	○
GATE VALVE	⊗
METER	⊗
REDUCER	⊗
CAP	⊗
11-25' ELBOW	⊗
22-25' ELBOW	⊗
45' ELBOW	⊗
90' ELBOW	⊗
CROSS	⊗
TEE	⊗
MANHOLES	
ELECTRICAL	⊗
SANITARY SEWER	⊗
STORM DRAIN	⊗
TELEPHONE	⊗
STREET LIGHTS	
100W HPS STL.	⊗
150W HPS STL.	⊗
200W HPS STL.	⊗
250W HPS STL.	⊗
400W HPS STL.	⊗
GRADING	
SPOT ELEV.	12.34 (TC)
SLOPE	1.23%
5' CONT.	(2005)
1' CONT.	(2007)
SITE	
SIGN	⊗
"L" CURB	⊗
"A" CURB	⊗
EDGE OF PAVT.	⊗
WALL	⊗
LINE TYPES	
CL OR SECTION LINE	---
PROPERTY LINE	---
RIGHT OF WAY LINE	---
EASEMENT LINE	---
SAWTOOTH LINE	---
FLOW LINE	---
SHADES	
HEAVY AC PAVEMENT	▨
LIGHT AC PAVEMENT	▨
CONCRETE PAVEMENT	▨



APPROVED FOR CONSTRUCTION
 Las Vegas Valley Water District Engineering Services
 Project No. 135214 First Approved Date: 3-28-19
 LVVWD Approved Fire Flow: Total 1,500 GPM/ Onsite 1,000 GPM

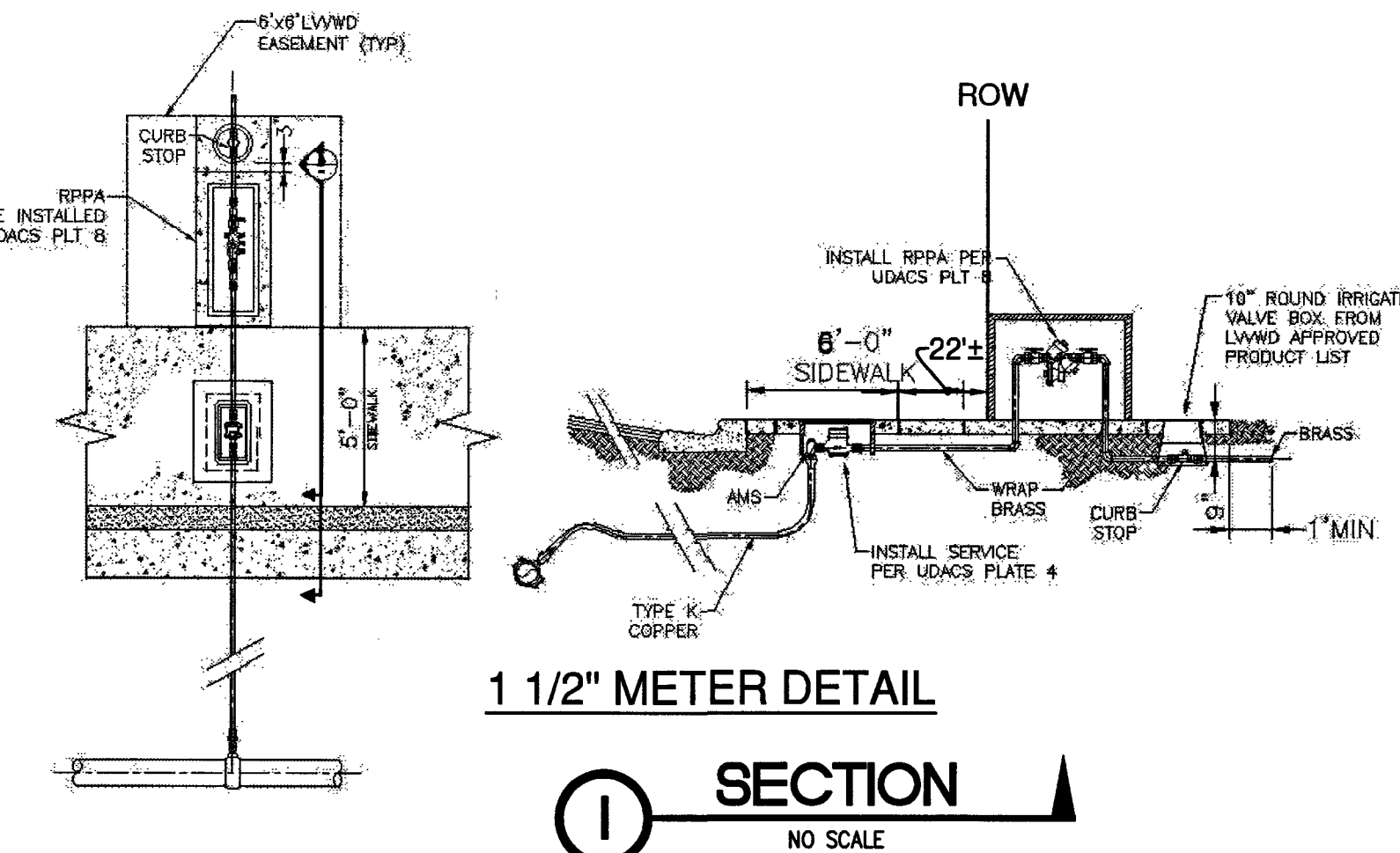
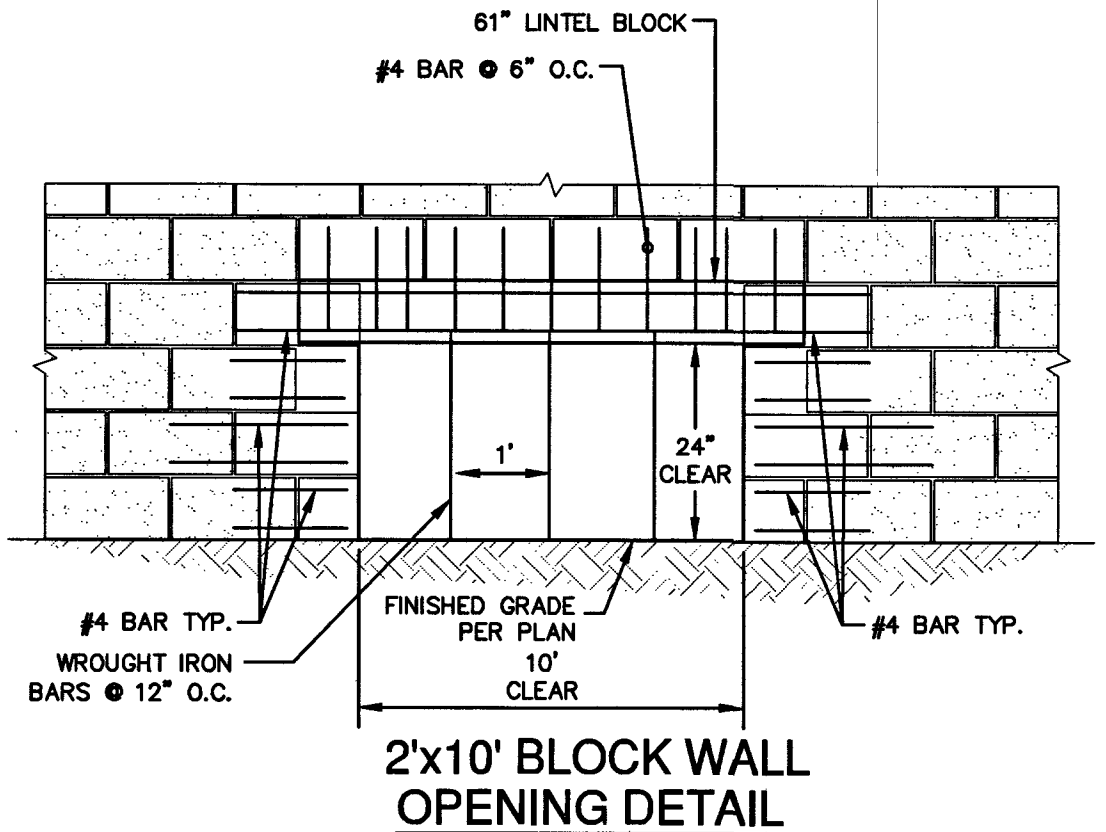
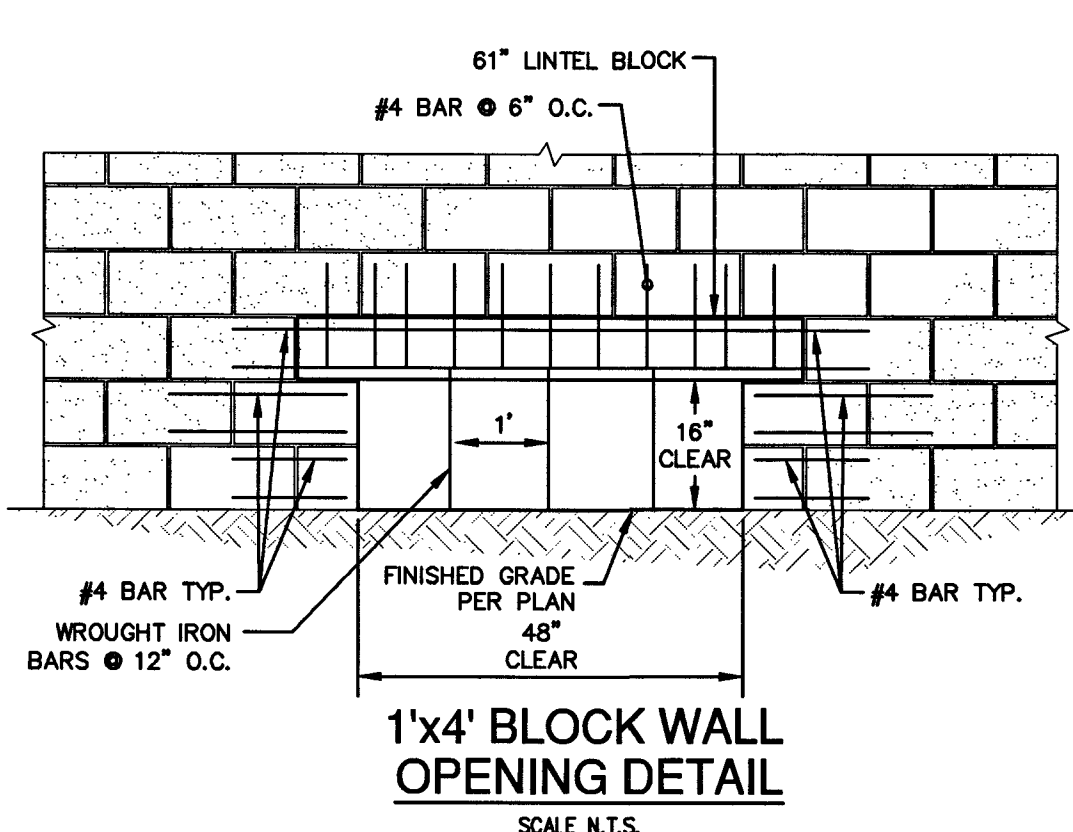


TRENCH SECTION BACKFILL SPECIFICATIONS
 (FOR LVVWD WATER FACILITIES)
 IMPROVED AND UNIMPROVED AREAS
 (NDOT STREET R/W)

NDOT TRENCH DETAIL
 NO SCALE

Call before you dig
 811
 1-800-227-2600 1-702-432-5300 1-702-227-2929

FAST
 Call before you dig
 1-702-432-5300 1-702-227-2929



CivilworksInc
 Engineering with "sensible" solutions tailored to your "specific" needs.
 Las Vegas, NV 89118
 4945 W. Patrick Lane
 Office#: (702)534-1816 Fax#: (702)534-1825

hmsurveyingllc
 CONSULTANT LIST:
 Las Vegas, NV 89118
 4945 W. Patrick Lane
 Office#: (702)534-1816 Fax#: (702)534-1825

STUCKEY CAR SALES
 @ 2925 FREMONT STREET
 OWNER FRANK STUCKEY
 2825 FREMONT STREET
 LAS VEGAS, NV
 CONTACT FRANK STUCKEY
 PHONE: 702-403-2821

DETAIL SHEET
 SHEET NO. 135214-0001
 DATE: 3-28-19
 DRAWN BY: J. BAP
 CHECKED BY: J. BAP
 REVISIONS:
 1. 3-28-19
 2. 3-28-19
 3. 3-28-19
 4. 3-28-19
 5. 3-28-19
 6. 3-28-19
 7. 3-28-19
 8. 3-28-19
 9. 3-28-19
 10. 3-28-19
 11. 3-28-19
 12. 3-28-19
 13. 3-28-19
 14. 3-28-19
 15. 3-28-19
 16. 3-28-19
 17. 3-28-19
 18. 3-28-19
 19. 3-28-19
 20. 3-28-19
 21. 3-28-19
 22. 3-28-19
 23. 3-28-19
 24. 3-28-19
 25. 3-28-19
 26. 3-28-19
 27. 3-28-19
 28. 3-28-19
 29. 3-28-19
 30. 3-28-19
 31. 3-28-19
 32. 3-28-19
 33. 3-28-19
 34. 3-28-19
 35. 3-28-19
 36. 3-28-19
 37. 3-28-19
 38. 3-28-19
 39. 3-28-19
 40. 3-28-19
 41. 3-28-19
 42. 3-28-19
 43. 3-28-19
 44. 3-28-19
 45. 3-28-19
 46. 3-28-19
 47. 3-28-19
 48. 3-28-19
 49. 3-28-19
 50. 3-28-19
 51. 3-28-19
 52. 3-28-19
 53. 3-28-19
 54. 3-28-19
 55. 3-28-19
 56. 3-28-19
 57. 3-28-19
 58. 3-28-19
 59. 3-28-19
 60. 3-28-19
 61. 3-28-19
 62. 3-28-19
 63. 3-28-19
 64. 3-28-19
 65. 3-28-19
 66. 3-28-19
 67. 3-28-19
 68. 3-28-19
 69. 3-28-19
 70. 3-28-19
 71. 3-28-19
 72. 3-28-19
 73. 3-28-19
 74. 3-28-19
 75. 3-28-19
 76. 3-28-19
 77. 3-28-19
 78. 3-28-19
 79. 3-28-19
 80. 3-28-19
 81. 3-28-19
 82. 3-28-19
 83. 3-28-19
 84. 3-28-19
 85. 3-28-19
 86. 3-28-19
 87. 3-28-19
 88. 3-28-19
 89. 3-28-19
 90. 3-28-19
 91. 3-28-19
 92. 3-28-19
 93. 3-28-19
 94. 3-28-19
 95. 3-28-19
 96. 3-28-19
 97. 3-28-19
 98. 3-28-19
 99. 3-28-19
 100. 3-28-19
 101. 3-28-19
 102. 3-28-19
 103. 3-28-19
 104. 3-28-19
 105. 3-28-19
 106. 3-28-19
 107. 3-28-19
 108. 3-28-19
 109. 3-28-19
 110. 3-28-19
 111. 3-28-19
 112. 3-28-19
 113. 3-28-19
 114. 3-28-19
 115. 3-28-19
 116. 3-28-19
 117. 3-28-19
 118. 3-28-19
 119. 3-28-19
 120. 3-28-19
 121. 3-28-19
 122. 3-28-19
 123. 3-28-19
 124. 3-28-19
 125. 3-28-19
 126. 3-28-19
 127. 3-28-19
 128. 3-28-19
 129. 3-28-19
 130. 3-28-19
 131. 3-28-19
 132. 3-28-19
 133. 3-28-19
 134. 3-28-19
 135. 3-28-19
 136. 3-28-19
 137. 3-28-19
 138. 3-28-19
 139. 3-28-19
 140. 3-28-19
 141. 3-28-19
 142. 3-28-19
 143. 3-28-19
 144. 3-28-19
 145. 3-28-19
 146. 3-28-19
 147. 3-28-19
 148. 3-28-19
 149. 3-28-19
 150. 3-28-19
 151. 3-28-19
 152. 3-28-19
 153. 3-28-19
 154. 3-28-19
 155. 3-28-19
 156. 3-28-19
 157. 3-28-19
 158. 3-28-19
 159. 3-28-19
 160. 3-28-19
 161. 3-28-19
 162. 3-28-19
 163. 3-28-19
 164. 3-28-19
 165. 3-28-19
 166. 3-28-19
 167. 3-28-19
 168. 3-28-19
 169. 3-28-19
 170. 3-28-19
 171. 3-28-19
 172. 3-28-19
 173. 3-28-19
 174. 3-28-19
 175. 3-28-19
 176. 3-28-19
 177. 3-28-19
 178. 3-28-19
 179. 3-28-19
 180. 3-28-19
 181. 3-28-19
 182. 3-28-19
 183. 3-28-19
 184. 3-28-19
 185. 3-28-19
 186. 3-28-19
 187. 3-28-19
 188. 3-28-19
 189. 3-28-19
 190. 3-28-19
 191. 3-28-19
 192. 3-28-19
 193. 3-28-19
 194. 3-28-19
 195. 3-28-19
 196. 3-28-19
 197. 3-28-19
 198. 3-28-19
 199. 3-28-19
 200. 3-28-19
 201. 3-28-19
 202. 3-28-19
 203. 3-28-19
 204. 3-28-19
 205. 3-28-19
 206. 3-28-19
 207. 3-28-19
 208. 3-28-19
 209. 3-28-19
 210. 3-28-19
 211. 3-28-19
 212. 3-28-19
 213. 3-28-19
 214. 3-28-19
 215. 3-28-19
 216. 3-28-19
 217. 3-28-19
 218. 3-28-19
 219. 3-28-19
 220. 3-28-19
 221. 3-28-19
 222. 3-28-19
 223. 3-28-19
 224. 3-28-19
 225. 3-28-19
 226. 3-28-19
 227. 3-28-19
 228. 3-28-19
 229. 3-28-19
 230. 3-28-19
 231. 3-28-19
 232. 3-28-19
 233. 3-28-19
 234. 3-28-19
 235. 3-28-19
 236. 3-28-19
 237. 3-28-19
 238. 3-28-19
 239. 3-28-19
 240. 3-28-19
 241. 3-28-19
 242. 3-28-19
 243. 3-28-19
 244. 3-28-19
 245. 3-28-19
 246. 3-28-19
 247. 3-28-19
 248. 3-28-19
 249. 3-28-19
 250. 3-28-19
 251. 3-28-19
 252. 3-28-19
 253. 3-28-19
 254. 3-28-19
 255. 3-28-19
 256. 3-28-19
 257. 3-28-19
 258. 3-28-19
 259. 3-28-19
 260. 3-28-19
 261. 3-28-19
 262. 3-28-19
 263. 3-28-19
 264. 3-28-19
 265. 3-28-19
 266. 3-28-19
 267. 3-28-19
 268. 3-28-19
 269. 3-28-19
 270. 3-28-19
 271. 3-28-19
 272. 3-28-19
 273. 3-28-19
 274. 3-28-19
 275. 3-28-19
 276. 3-28-19
 277. 3-28-19
 278. 3-28-19
 279. 3-28-19
 280. 3-28-19
 281. 3-28-19
 282. 3-28-19
 283. 3-28-19
 284. 3-28-19
 285. 3-28-19
 286. 3-28-19
 287. 3-28-19
 288. 3-28-19
 289. 3-28-19
 290. 3-28-19
 291. 3-28-19
 292. 3-28-19
 293. 3-28-19
 294. 3-28-19
 295. 3-28-19
 296. 3-28-19
 297. 3-28-19
 298. 3-28-19
 299. 3-28-19
 300. 3-28-19
 301. 3-28-19
 302. 3-28-19
 303. 3-28-19
 304. 3-28-19
 305. 3-28-19
 306. 3-28-19
 307. 3-28-19
 308. 3-28-19
 309. 3-28-19
 310. 3-28-19
 311. 3-28-19
 312. 3-28-19
 313. 3-28-19
 314. 3-28-19
 315. 3-28-19
 316. 3-28-19
 317. 3-28-19
 318. 3-28-19
 319. 3-28-19
 320. 3-28-19
 321. 3-28-19
 322. 3-28-19
 323. 3-28-19
 324. 3-28-19
 325. 3-28-19
 326. 3-28-19
 327. 3-28-19
 328. 3-28-19
 329. 3-28-19
 330. 3-28-19
 331. 3-28-19
 332. 3-28-19
 333. 3-28-19
 334. 3-28-19
 335. 3-28-19
 336. 3-28-19
 337. 3-28-19
 338. 3-28-19
 339. 3-28-19
 340. 3-28-19
 341. 3-28-19
 342. 3-28-19
 343. 3-28-19
 344. 3-28-19
 345. 3-28-19
 346. 3-28-19
 347. 3-28-19
 348. 3-28-19
 349. 3-28-19
 350. 3-28-19
 351. 3-28-19
 352. 3-28-19
 353. 3-28-19
 354. 3-28-19
 355. 3-28-19
 356. 3-28-19
 357. 3-28-19
 358. 3-28-19
 359. 3-28-19
 360. 3-28-19
 361. 3-28-19
 362. 3-28-19
 363. 3-28-19
 364. 3-28-19
 365. 3-28-19
 366. 3-28-19
 367. 3-28-19
 368. 3-28-19
 369. 3-28-19
 370. 3-28-19
 371. 3-28-19
 372. 3-28-19
 373. 3-28-19
 374. 3-28-19
 375. 3-28-19
 376. 3-28-19
 377. 3-28-19
 378. 3-28-19
 379. 3-28-19
 380. 3-28-19
 381. 3-28-19
 382. 3-28-19
 383. 3-28-19
 384. 3-28-19
 385. 3-28-19
 386. 3-28-19
 387. 3-28-19
 388. 3-28-19
 389. 3-28-19
 390. 3-28-19
 391. 3-28-19
 392. 3-28-19
 393. 3-28-19
 394. 3-28-19
 395. 3-28-19
 396. 3-28-19
 397