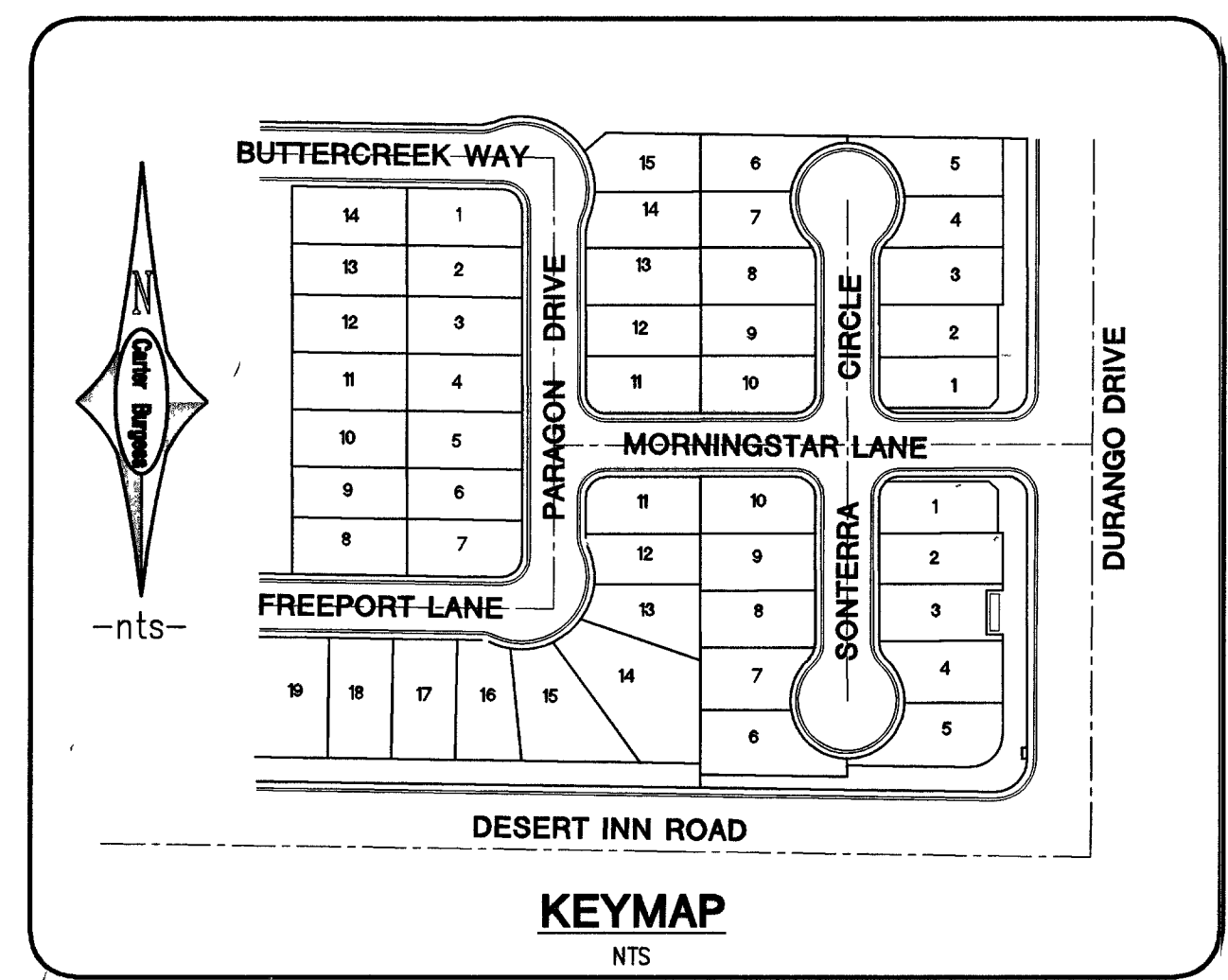
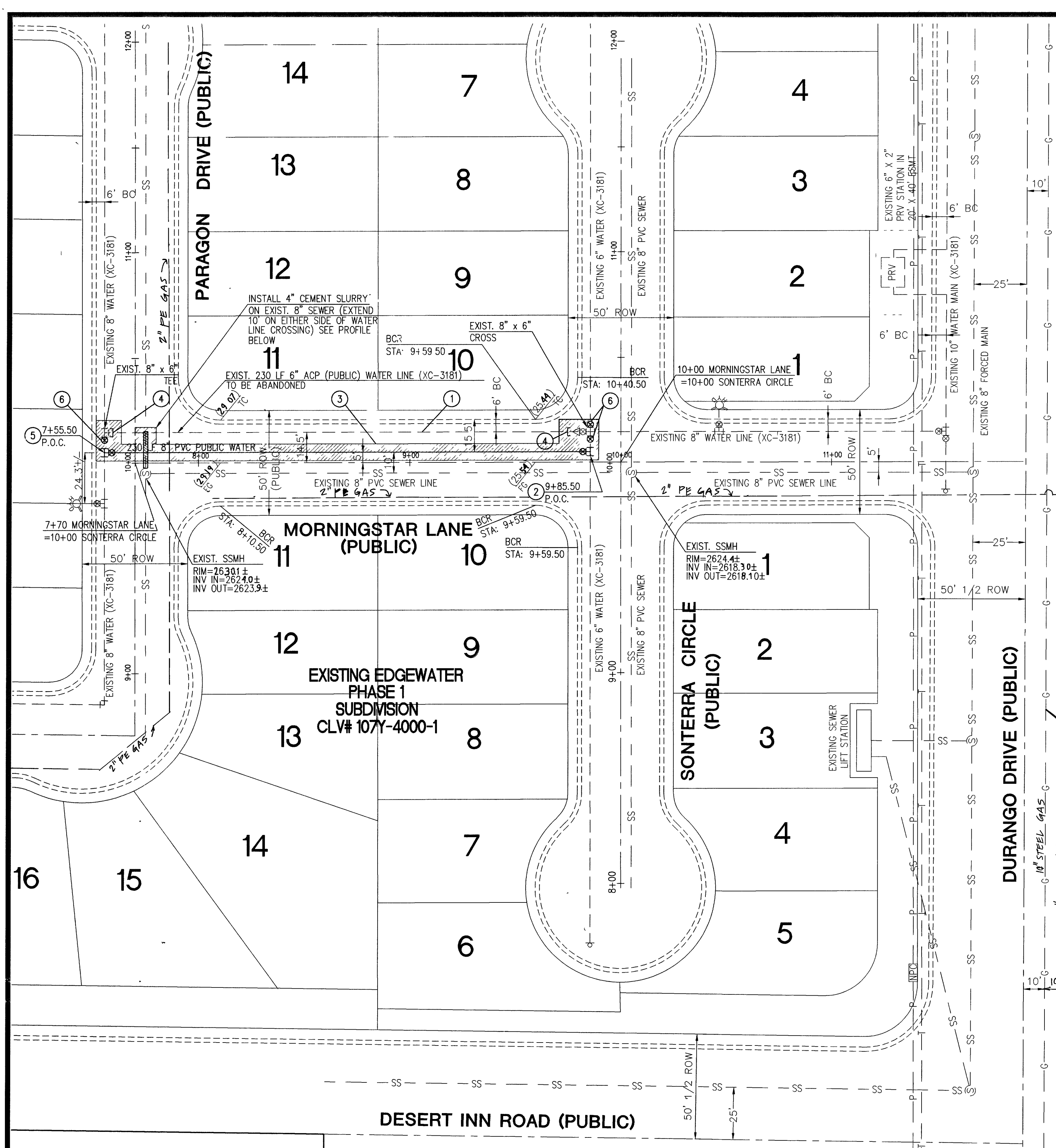




CITY OF LAS VEGAS
FIRE DEPT.
APPROVED
BY: *[Signature]* 3/15/05
APPROVAL OF THESE PLANS SHALL NOT BE
CONSIDERED TO BE A PERMIT FOR, OR AN
APPROVAL OF, ANY VIOLATION OF ANY OF
THE PROVISIONS OF THE STATE OR COUNTY
LAWS.
APPROVAL BY THE FIRE DEPARTMENT HAVING
JURISDICTION IS REQUIRED PRIOR TO OBTAINING
FINAL APPROVAL FROM THE LVWD
FIRE FLOW 1500 GPM AT 20 P.S.I.
RESIDUAL 3.1505 DATE

- ### WATER CONSTRUCTION NOTES
1. ABANDON EXISTING 6" ACP WATER LINE
 2. INSTALL 8"x 8" MECHANICAL JOINT TAPPING SLEEVE WITH 8" GATE VALVE
 3. SAWCUT EXISTING P.W.M.T. REPLACE P.W.M.T. PER MORNINGSTAR P.W.M.T. SECTION (SEE THIS SHEET) BACKFILL PER CCAUSD #503
 4. CUT AND CAP EXISTING 6" ACP WATER LINE 3' FROM FITTING
 5. INSTALL 8"x 8" MECHANICAL JOINT TAPPING SLEEVE WITH 8" TAPPING VALVE
 6. INSTALL 8" GATE VALVE
- ### * UTILITY NOTES
1. NO PRESSURE VALVES (PRV'S) REQUIRED ON THIS PROJECT.
 2. ALL WATER LINE L.F. IS FROM FITTING TO FITTING.

LEGAL DESCRIPTION

THE EAST HALF (E 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF THE
NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE
1/4) OF SECTION 17, TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M.,
CLARK COUNTY, NEVADA;

TOGETHER WITH THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER
(NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST
QUARTER (NE 1/4) OF SAID SECTION 17,

10.16 TOTAL ACERAGE

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION 8C10 11V10 BSES
A RIVET AND PLATE IN TOP OF CURB @ NW CORNER OF DESERT INN ROAD AND DURANGO
DRIVE
ELEVATION = 797.922 meters (NAVD'88 PUBLISHED)
ELEVATION = 2617.85 U.S. SURVEY FEET (NAVD'88 CALCULATED)

BASIS OF BEARINGS

NORTH 00°08'22" EAST, BEING THE BEARING OF THE EAST LINE OF THE
NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4)
OF SECTION 17, TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M., CLARK
COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE
CLARK COUNTY RECORDER'S OFFICE IN FILE 117, PAGE 29 OF SURVEYS.

CONSTRUCTION NOTES

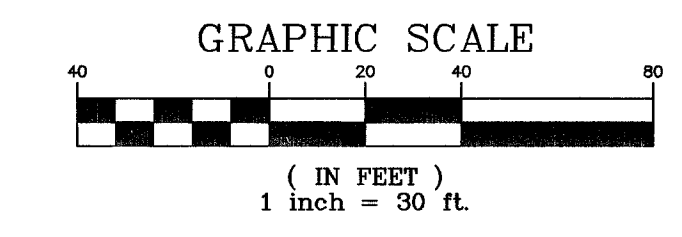
1. THE CONTRACTOR SHALL VERIFY THE VERTICAL AND HORIZONTAL LOCATION
OF ALL EXISTING UTILITIES AND SURFACE FEATURES PERTINENT TO THIS
PROJECT PRIOR TO CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE DESIGN
ENGINEER IF ANY DISCREPANCIES ARE ENCOUNTERED.
2. 8" PVC WATER MAIN TO BE OPERATIONAL BEFORE 6" ACP WATER MAIN CAN
BE ABANDONED
3. 6" ACP WATER TO BE ABANDONED IN PLACE.
4. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH
AWWA, LOCAL, STATE, AND FEDERAL REGULATIONS. ESN 053 REVISED 6/1/04.

EXISTING UTILITY NOTE

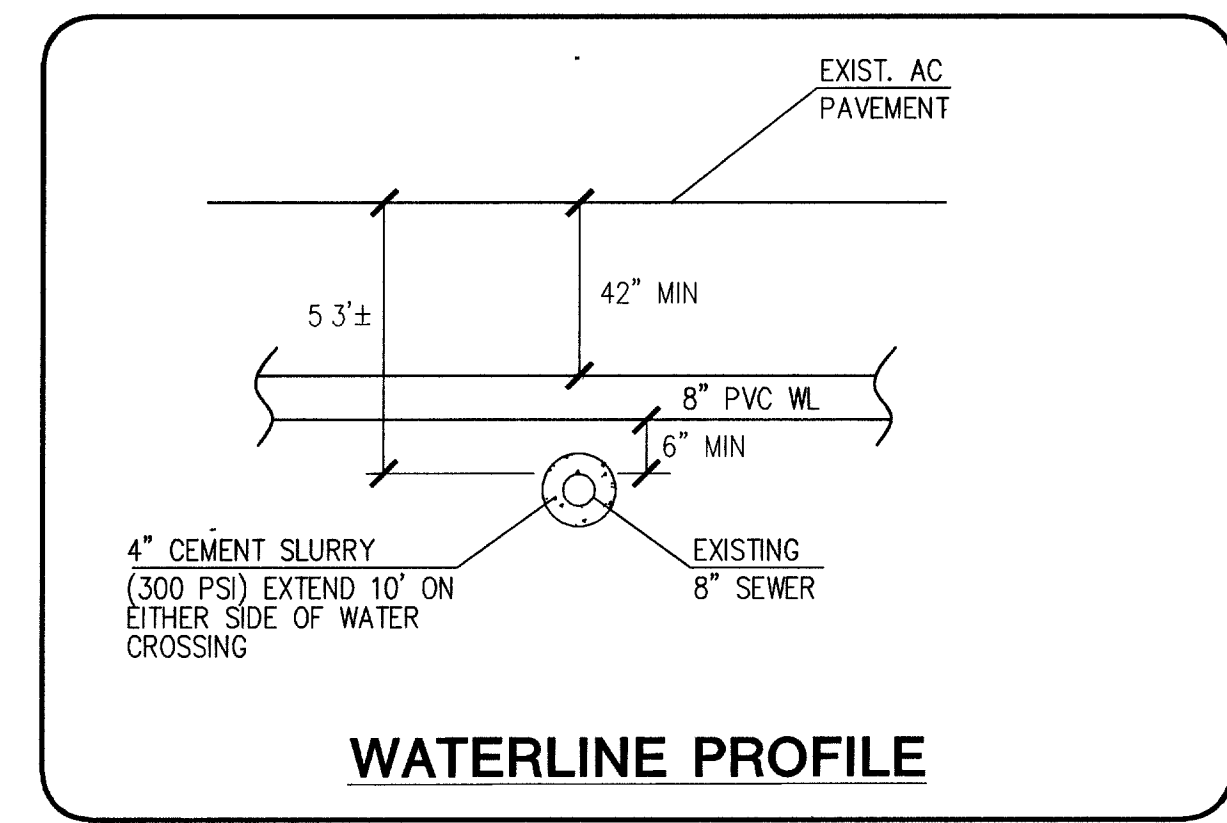
EXISTING UTILITIES AS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR
TO FIELD VERIFY BOTH VERTICAL AND HORIZONTAL LOCATION OF ALL
EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL
NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN
INCORRECTLY OR OTHERWISE NOT SHOWN.

GENERAL NOTES

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN
ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION
STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS),
LATEST EDITION.
2. WATER AND SEWER SERVICES LATERALS SHALL BE INSTALLED A
MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE
TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE
(12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM
PLUMBING CODE.)
3. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST
CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND
CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
(UDACS) FOR WATER AND STORM MAIN CROSSINGS AND
CLEARANCES



CAUTION: HIGH PRESSURE
GAS LINE

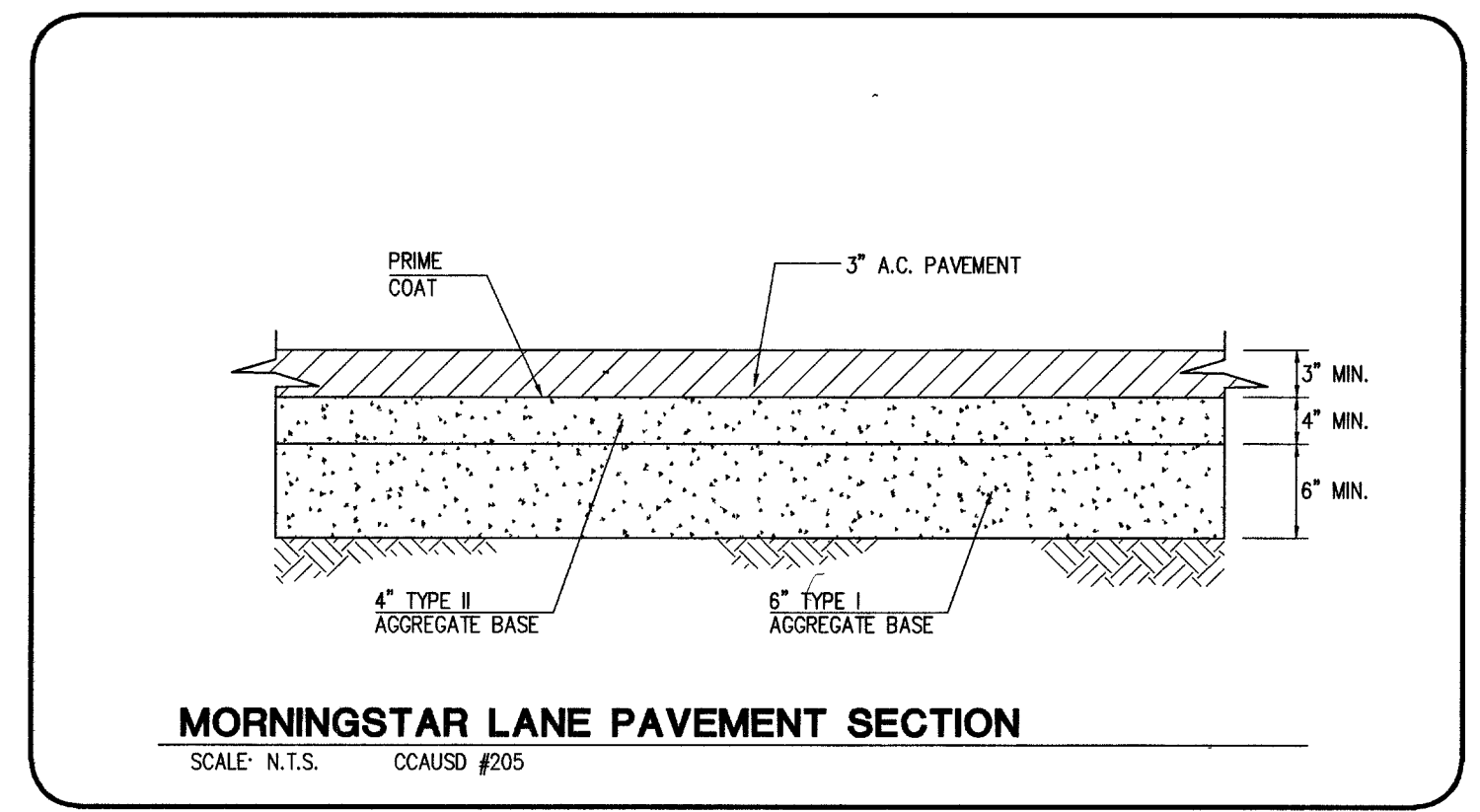


Call before you Dig
Underground
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-8811

DISCLAIMER 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 OR OVERHEAD 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. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

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

Call before you Overhead
Avoid overhead power line contact.
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT



APPROVAL
[Signature] 3/18/05
LAS VEGAS VALLEY WATER DISTRICT PROJECT # 110488 DATE

KBHOME		VILLAS o DESERT BREEZE MAIN EXTENSION	
Carter-Burgess Consultants in Planning, Engineering, Construction Management, and Related Services		UTILITY PLAN	
DRAWN BY: CSS	DESIGNED BY: UC	CHECKED BY: UC	PROJECT NO. 241040
SCALE: 1"=30' N/A		HORIZ. VERT.	
SHEET U-1 3 OF 3 SHEETS DRAWING NO. 565-425			

6555 Bermuda road
Las Vegas, NV 89119
(702) 938-5400 Fax (702) 938-5454