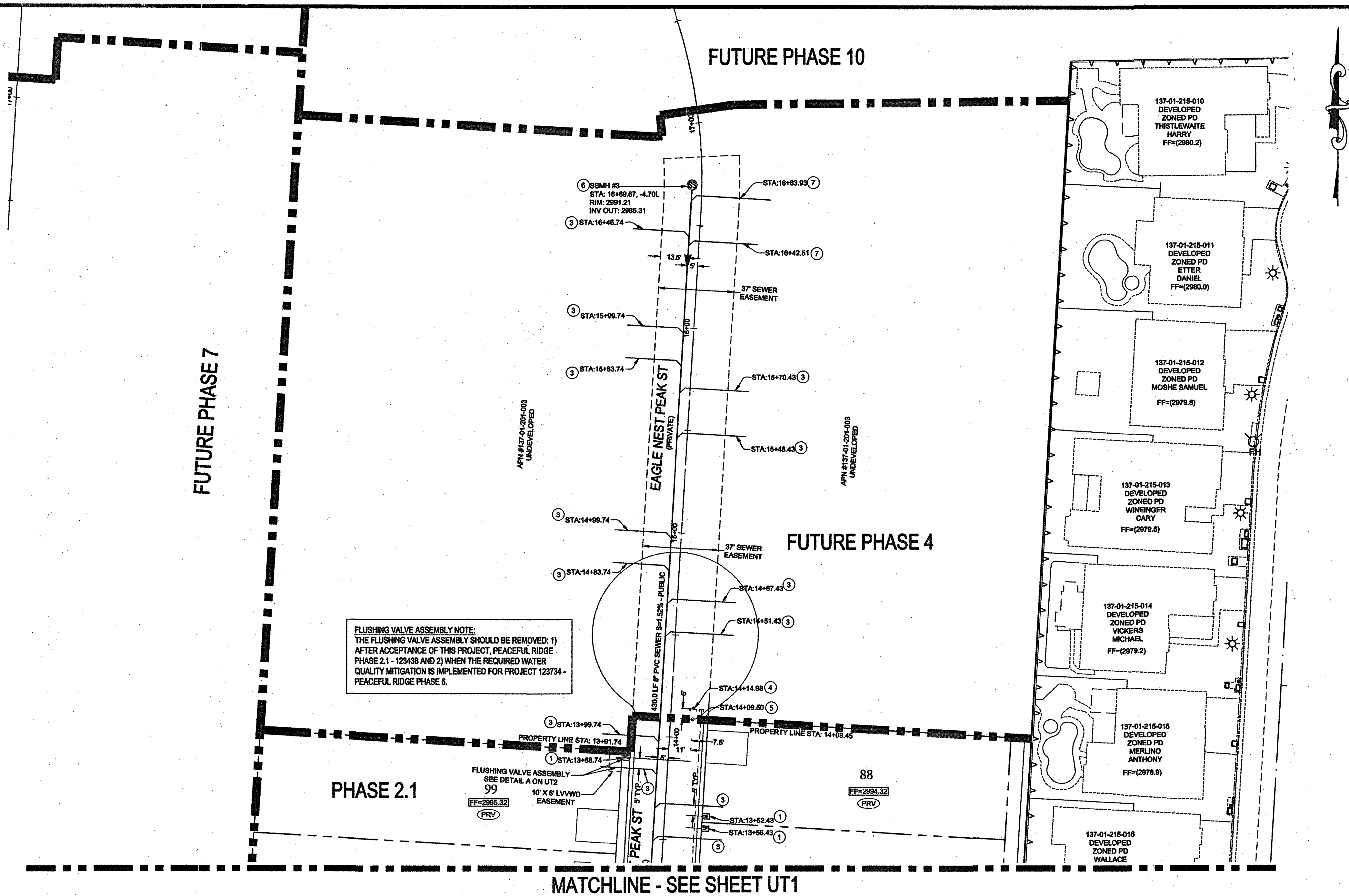
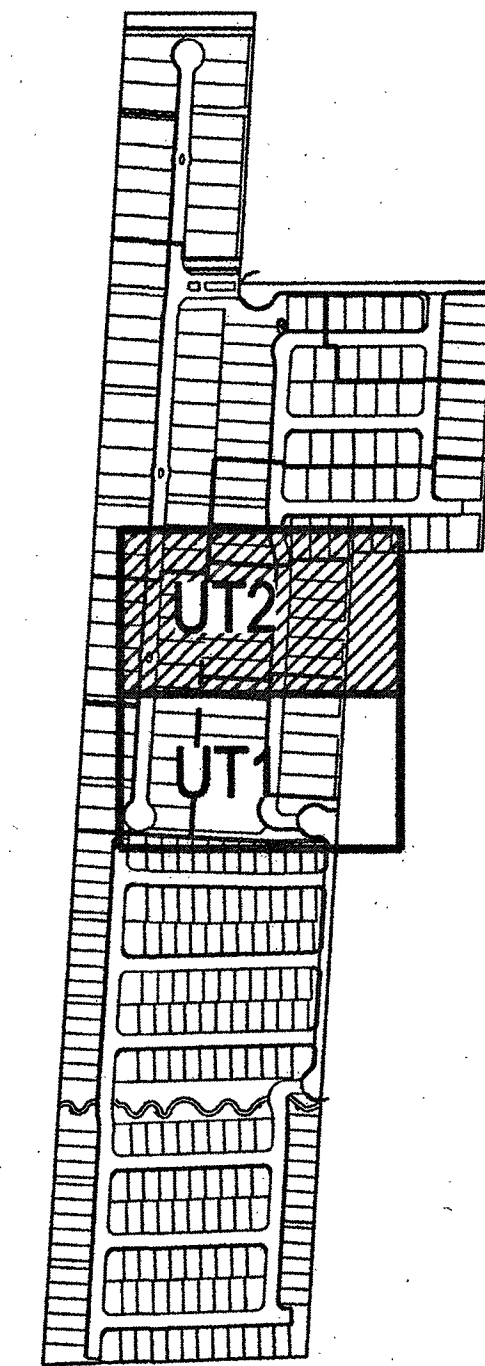




FLUSHING VALVE ASSEMBLY NOTE:
THE FLUSHING VALVE ASSEMBLY SHOULD BE REMOVED: 1)
AFTER ACCEPTANCE OF THIS PROJECT, PEACEFUL RIDGE
PHASE 2.1 - 123438 AND 2) WHEN THE REQUIRED WATER
QUALITY MITIGATION IS IMPLEMENTED FOR PROJECT 123734 -
PEACEFUL RIDGE PHASE 6.

KEY MAP



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH
RESIDUAL.
BASED ON:
SQUARE FOOTAGE: 3,600 MAX SQ FT
HEIGHT: 35-FT MAX
SPRINKLER SYSTEM: NO
ROOF CONSTRUCTION: TILE
HIGH PILED COMBUSTIBLE STORAGE: NO
LARGEST AREA BETWEEN SEPARATE WALLS:
N/A
TYPE OF CONSTRUCTION: V-B
OCCUPANCY: R-3
STORED 2-STORIES
BSFR SYSTEM: NO

WATER MAIN JOINT DEFLECTION

(PVC 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE
DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF
CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT
DEFLECTION, FITTING SHALL BE USED.

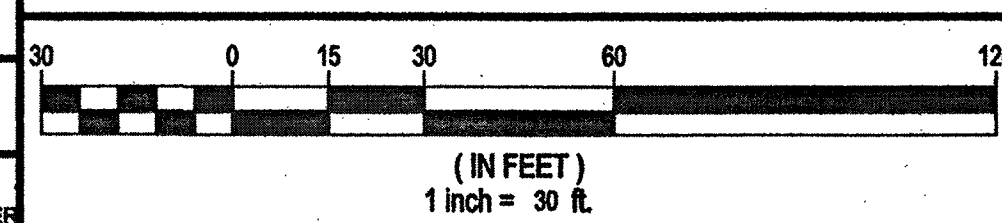
UTILITY NOTES

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE
"UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION
SYSTEMS" (UDACS), LATEST EDITION.
2. FIRE, WATER, AND SEWER SERVICES, AS APPROVED ON THIS PLAN, ARE INTENDED
SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVICE
ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN
THE EVENT THAT THE PARCELS AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER
DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO
PROVIDE SEPARATE FIRE, WATER, & SEWER SERVICES TO EACH.
3. WATER AND SEWER LATERALS SHALL BE INSTALLED A MINIMUM OF 48" APART IN
SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF 12" ABOVE THE
SEWER LATERAL. (REF. UNIFORM PLUMBING CODE)
4. LOCATOR WIRE SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR
TO THE MAIN. (TYPICAL)
5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION
2.22 OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER
DISTRIBUTION SYSTEMS" (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND
CLEARANCES.
6. ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON
PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND
EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CLARK
COUNTY.
7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED
AND MAINTAINED.
8. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW
FITTING. (UDACS PLT. 19)

UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL
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 LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

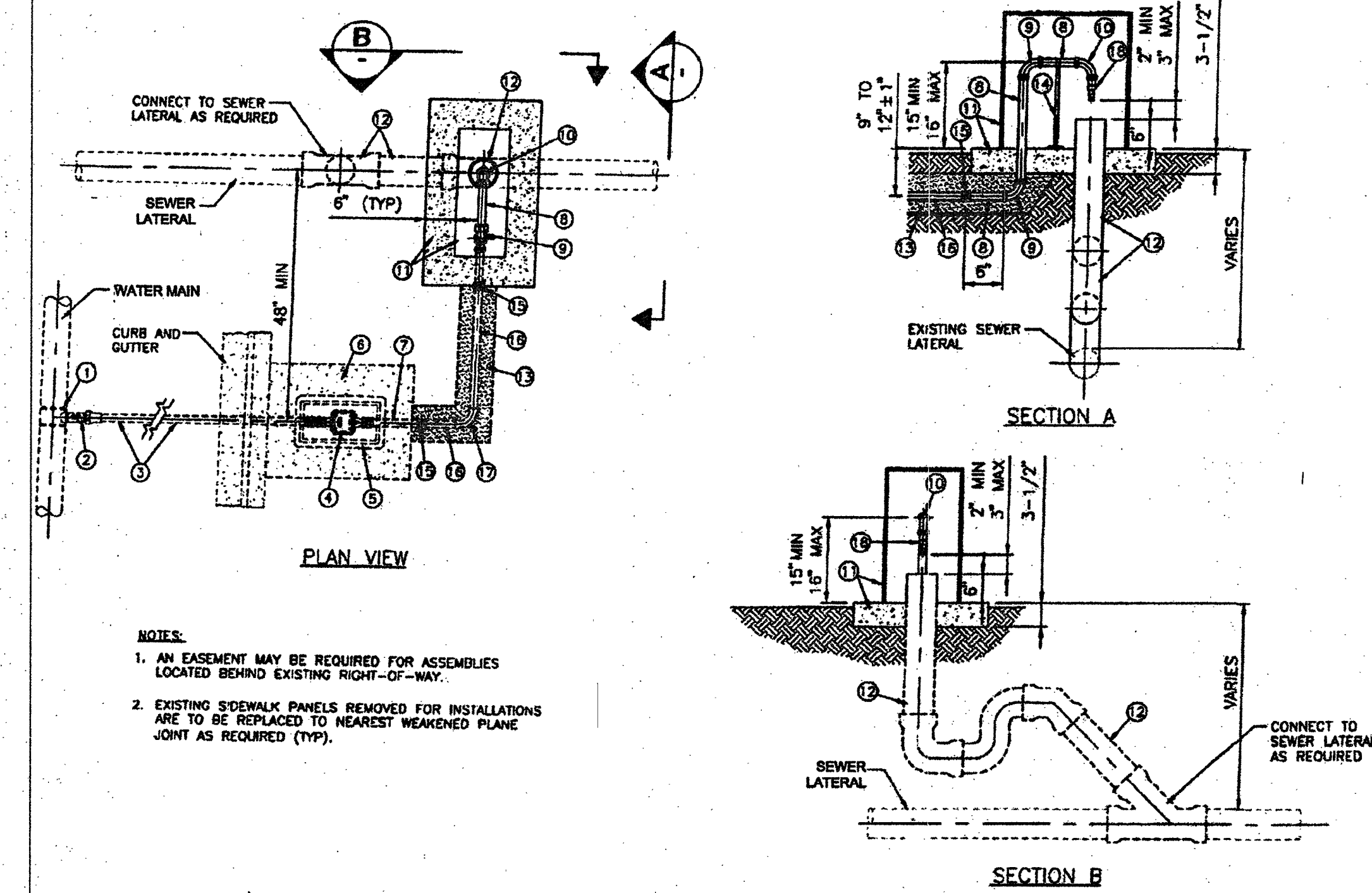
SCALE



APPROVAL BLOCK

DESIGNED BY: SF
CHECKED BY: RH
SHEET NAME: UT2
SHEET: 7 OF 8
DATE: 11/22/2016
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: RH
SHEET NAME: UT2
SHEET: 7 OF 8
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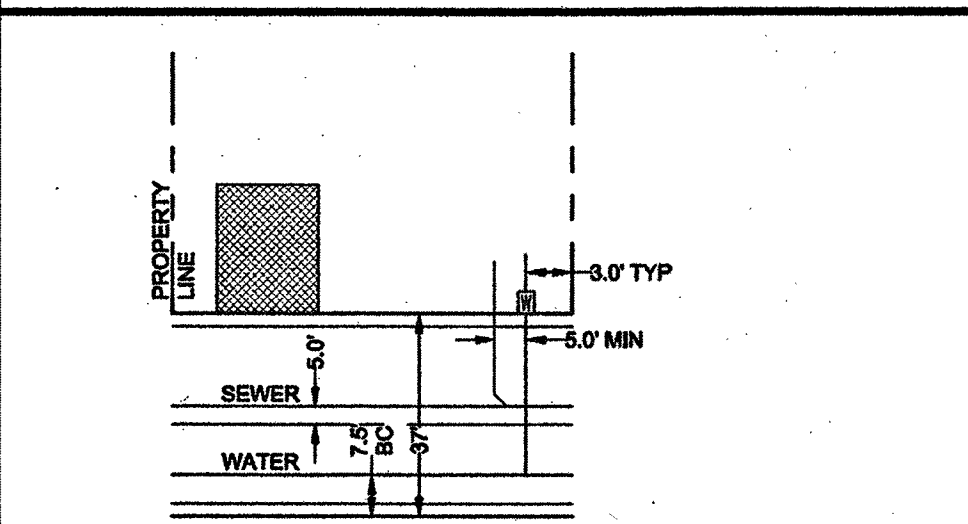
FLUSHING VALVE ASSEMBLY - DETAIL A



PRESSURE REDUCING VALVE (PRV)

ALL LOTS:
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE
UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE),
PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS
80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED
OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

TYPICAL LATERAL LAYOUT



CONSTRUCTION NOTES

1. 1" WATER SERVICE W/ 3/4" METER (UDACS PLT. 1)
2. REMOVE BLOW-OFF & CONNECT TO EXISTING MAIN (UDACS PLT. 36)
3. 4" SEWER LATERAL WITH MARKER BALL & CURB MARKING (DCSWCS SD-22)
4. INSTALL CAP AND 2" BLOW-OFF ASSEMBLY (UDACS PLT. 36)
5. 8" GATE VALVE (UDACS PLT. 30 & 39)
6. 48" MANHOLE, BASE PRECAST, GRADE RING COLLAR & LID PER DCSWCS STANDARDS
7. 4" CS90 SEWER LATERAL WITH MARKER BALL & CURB MARKING (DCSWCS SD-22)

CALL BEFORE YOU DIG
1-800-227-2600

CALL BEFORE YOU OVERHEAD
1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-201-003
A PORTION OF THE SOUTHWEST QUARTER (SW 3) OF THE NORTHWEST QUARTER
SECTION 01 IN TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.B. & M., CLARK COUNTY
NEVADA

BENCHMARK

PROJECT VERTICAL DATUM: NAVD83
CITY OF LAS VEGAS BENCHMARK 11V08-11W8
NAVD83 ELEV: 895.045M 2936.48 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEBOLVILLE

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 01, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.B. & M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 57 OF PLATS IN THE CLARK COUNTY RECORDERS OFFICE, NEVADA.

THM ENTERPRISE LLC
9208 W. RUSSELL RD. STE. 205
LAS VEGAS, NV 89144
(702) 928-3131 FAX: (702) 928-3889

TANEY ENGINEERING
6001 LAS VEGAS BLVD. STE. 100
LAS VEGAS, NV 89121
(702) 362-8844 FAX: (702) 362-8233

PEACEFUL RIDGE
LONE MOUNTAIN & PULLI - PHASE 2.1
A RESIDENTIAL SUBDIVISION

UTILITY PLAN 2

STANLEY FONG
Exp. 6-30-17
CIVIL
No. 22616
11-28-16
ENGINEER'S SEAL

DATE: 11/22/2016
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: RH
SHEET NAME: UT2
SHEET: 7 OF 8
DATE: 11/22/2016
SCALE: 1"=30'
JOB NO: AST-12-002