

North Lake Tahoe Fire Protection District

866 Oriole Way, Incline Village, NV 89451

Phone: (775) 831-0351

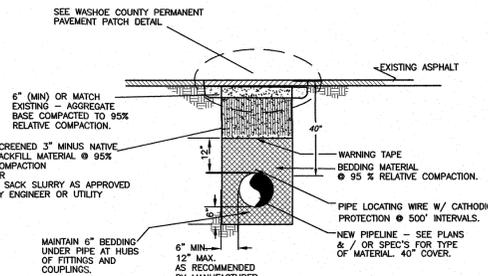


PRIVATE FIRE HYDRANT(S) & STANDPIPE(S) CHANGEOUT PERMIT

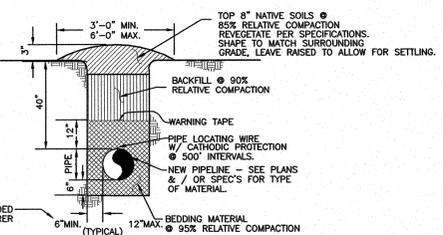
APPLICANT/POINT OF CONTACT:		EMAIL:
ADDRESS:		PHONE:
CITY:	STATE:	ZIP:
FEE ONLY APPLICABLE TO CHANGE OUTS, NOT REPAIRS: \$87.00 BASED ON CURRENT HRC NLTFPD fee schedule .		
Name of Property (HOA) OR SFD ADDRESS:		APN:
<i>NLTFPD will attach a map and numbers of all Private Hydrants associated with your parcel identified at time of application processing and approval for permit issuance.</i>		

1. Nevada State Licensed Fire Protection Provider Acknowledgement Checklist:	Initial Here
I understand that the Storz cap in must be in place and operable at the time of final inspection.	
I have reviewed and considered all applicable items contained in the detail sheet provided on page (2) two of this document and will follow these standards.	
I understand that prior to calling inspection the private fire hydrants shall be serviced annually in accordance with the most current edition of NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection and filed electronically with Compliance Engine .	
I understand that the person possessing a Nevada State Fire Marshal's license must supervise all work.	
I have a current Nevada State Fire Marshal Hydrant license and Certificate of Registration for fire hydrant work.	
I have circled where we are replacing hydrant(s) and have attached this map to this application. See page (3) of this document.	
Prior to calling final inspection I will ensure access to the fire hydrants is unobstructed by vegetation, landscaping, landscape features, fencing or any other obstruction that may deter or hinder the DISTRICT from gaining access to the fire hydrant for either emergencies or testing.	
Immediately after replacement please call permit closeout. Contact an NLTFPD Inspector at (775) 833-8107 to schedule an appointment.	

OPTIONAL FIRE HYDRANT FLOW TESTING AGREEMENT		
Property owner to review the optional FIRE HYDRANT FLOW TESTING AGREEMENT, which will provide for the ability for NLTFPD to become familiar with the fire hydrants and do flow testing of a fire hydrant on private property or is owned by others and not maintained by the Incline General Improvement District (page 4 & 5 of this packet).		
By physically signing or electronically signing and submitting this application, I acknowledge that all work will be performed in compliance with the codes and standards adopted by North Lake Tahoe Fire Protection District. Furthermore, all work will be completed by contractors and/or employees licensed through either the Nevada State Fire Marshal Division and/or the Nevada State Contractors Board, as applicable by NAC 477.300 and NRS 624.020		
SIGNATURE: _____		DATE: _____
FOR OFFICIAL USE:		
NLTFPD Permit #: _____	STAFF: _____	DATE: _____
AMOUNT REC'D: _____	NOTES: _____	



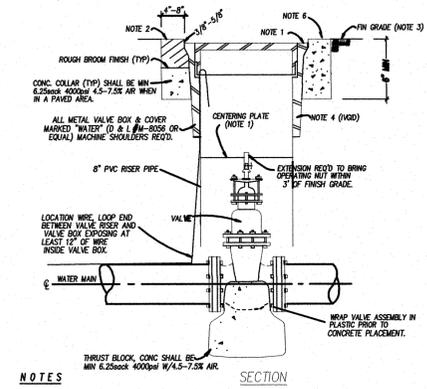
- NOTES:**
- FOR PAVEMENT REPLACEMENT SEE PERMANENT PAVEMENT PATCH DETAIL.
 - PERMANENT PAVEMENT PATCH WILL BE PLACED IN LIFTS WITH A 2" MINIMUM LIFT THICKNESS AND 3" MAXIMUM LIFT THICKNESS.
 - ALL ROAD SHOULDERS TO BE COMPACTED TO 95% RELATIVE COMPACTION (NO REVEGETATION REQUIRED).
 - WATERMAIN DEPTH MINIMUM OF 40" COVER TO TOP OF PIPE TYPICAL. AREAS WHERE MAIN IS SHALLOW TO MISS CULVERTS OR SEWER LINES THE WATERMAIN SHALL BE CONCRETE ENCASED TO FEET BEYOND BOTH SIDES OF THE INTERSECTION WITH OTHER UTILITY.
 - ALL PROTRUDING ROCKS WILL BE REMOVED PRIOR TO PIPE INSTALLATION.
 - DUCTILE IRON PIPE WILL HAVE A POLYETHYLENE ENCASEMENT PER AWWA C105.
 - CONC SLURRY W/MIN OF 2 SACK OF CEMENT PER CU.YD. OF SLURRY OR OTHER APPROVED MIX DESIGN MAY BE USED FOR BASE COURSE, BEDDING OR BACKFILL IF APPROVED BY CO. ENGINEER & UTILITY COMPANIES.
 - PERMANENT RESURFACING SHALL NOT BE PLACED ON TRENCHES BACKFILLED W/CONC SLURRY FOR A MIN OF 7 DAYS AFTER PLACEMENT OF THE CONC SLURRY OR SIMILAR MATERIAL.



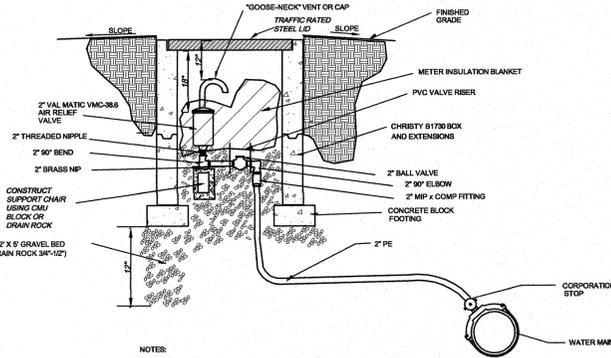
- NOTES:**
- COVER TO BE MINIMUM OF 40 INCHES FROM TOP OF PIPE TO FINISHED SURFACE GRADE.
 - BOTTOM OF TRENCH SHALL BE LEVEL AND SMOOTH.
 - EXCAVATE AS NEEDED TO MAINTAIN 6" MINIMUM BEDDING UNDER PIPE AT COUPLINGS AND HUBS OF FITTINGS.
 - ALL BEDDING MATERIAL SHALL BE COMPACTED PRIOR TO SHAPING TRENCH & INSTALLATION OF PIPE.
 - ALL PROTRUDING ROCKS TO BE REMOVED.
 - DUCTILE IRON PIPE WILL HAVE A POLYETHYLENE ENCASEMENT PER AWWA C105.

PAVEMENT & TRENCH DETAIL NOTES:

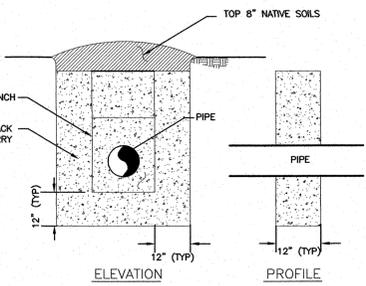
- EXISTING UNDERGROUND UTILITIES AND PIPELINE INFORMATION, OBTAINED FROM AS-BUILT DRAWINGS, FIELD SURVEY, AND UTILITY COMPANIES, MAY NOT BE COMPLETELY OR ACCURATELY SHOWN. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE HORIZONTAL AND VERTICAL LOCATIONS, AND SIZES OF ALL EXISTING UTILITIES AND PIPELINES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION AND SHALL ADEQUATELY SUPPORT ALL UTILITIES EXPOSED DURING EXCAVATION WORK. COORDINATE PROPOSED WORK ACTIVITIES WITH APPLICABLE UTILITY COMPANIES PRIOR TO BEGINNING EXCAVATION WORK.
- MINIMUM TRENCH WIDTH SHOWN ON THESE PLANS DOES NOT INCLUDE SHORING. MINIMUM TRENCH WIDTH REPRESENTS PIPE OUTSIDE DIAMETER AND REQUIRED CLEARANCE FOR ADEQUATE COMPACTION AROUND PIPE. MINIMUM TRENCH WIDTH PLUS SHORING SHALL NOT EXCEED MAXIMUM TRENCH WIDTH.
- ALL BACKFILL MATERIAL SHALL NOT CONTAIN ANY PARTICLES 3" OR GREATER IN DIAMETER. REMOVE TRASH FROM TRENCH PRIOR TO BACKFILL.
- DUCTILE IRON WATERMAIN PIPE TO HAVE POLYETHYLENE ENCASEMENT PER AWWA C105, BLACK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS SHOWING ALL FITTINGS AND BENDS.
- TRENCH BOTTOM MAY BE TAPERED PROVIDED THAT ALL OSHA SAFETY STANDARDS ARE FOLLOWED.



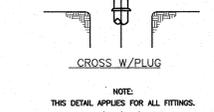
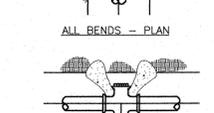
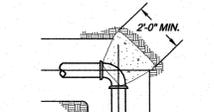
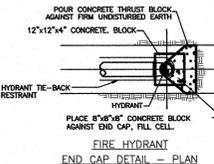
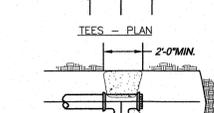
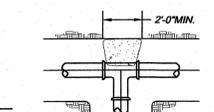
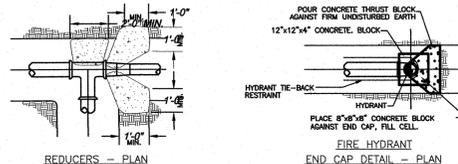
- NOTES:**
- VALVE BOXES FOR WATER TO BE SET 3/8" - 5/8" BELOW FINISH ROADWAY SURFACE. WHEN OPERATING NUT IS AT GREATER DEPTH THAN 4" FROM FINISH GRADE, INSTALL OPERATING EXTENSION W/OPERATING NUT RESTRAINING BOLT & TOP CENTERING PLATE.
 - CONC COLLAR TO BE SET 2" BELOW FINISH ROAD SURFACE. PLACE 2" OF TYPE 3 ASPH PAVING AROUND VALVE BOX. APPLY 55+ TACK COAT BEFORE PAVING. SEAL A.C. SURFACE W/SEAL & SAND BROOMED-IN. CHIP SEAL SHALL BE APPLIED TO ALL FINISH PAVEMENTS AS PER PLANS OR SPECS. EXTEND CONC COLLAR TO FIN. GRADE WHEN NOT LOCATED IN ASPH PAVE OR IN UNPAVED AREA.
 - THE ORIGINAL FINISHED GRADE SHALL BE MAINTAINED AT ALL TIMES. (i.e. ANY A.C. CURBING ALONG FINISHED GRADE EDGE SHALL BE CORRECTED) ONLY THE ASPH COLLAR SHALL BE LEVEL W/FIN GRADE.
 - INCLINE WALLAGE GENERAL IMPROVEMENT DIST. (IVGD): WATER VALVE BOX SHALL BE CHRISTY G-S.
 - ONLY CIRCULAR TYPE CUTTING PERMITTED TO RAISE UTILITIES. i.e. NO RECTANGULAR TYPE SAW-CUTTING ALLOWED.
 - CONCRETE COLLAR TO FINISHED GRADE IN NODT R.O.W. AND NON-PAVED AREAS.



- NOTES:**
- AIR RELEASE VALVES INSTALLED OUTSIDE OF NODT TRAFFIC LANE.
 - RECESS THE BOX TO PREVENT IT FROM SNOW FLOW DAMAGE.
 - PIPING FROM MAIN TO SLOPE UP TO ARV.
 - INSULATION TO WRAP AROUND BODY OF ARV.



- NOTES:**
- CUTOFF WALL TO BE KEPT 12" (MIN) INTO UNDISTURBED SOIL ON ALL SIDES OF EXCAVATION.

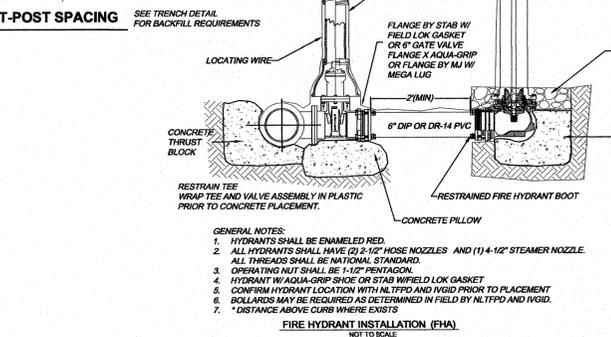
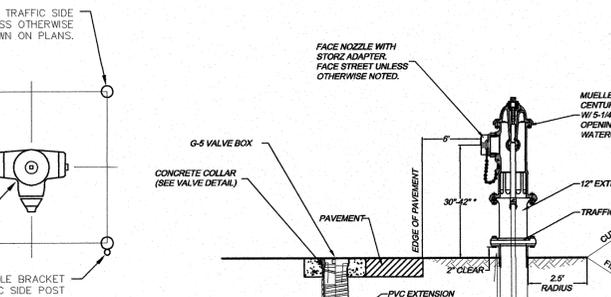
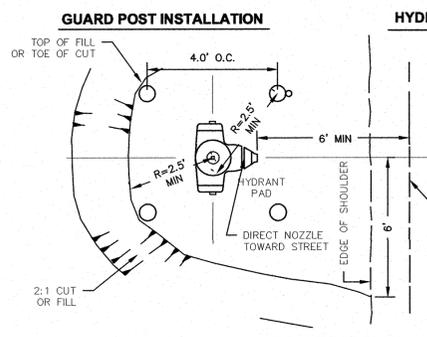
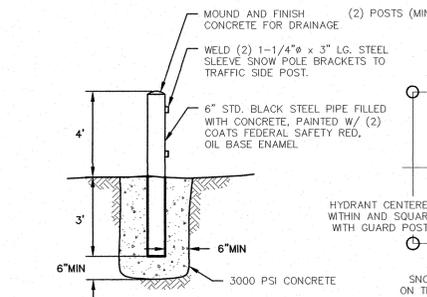


REQUIRED ANCHOR BLOCK - CUBIC FEET CONCRETE

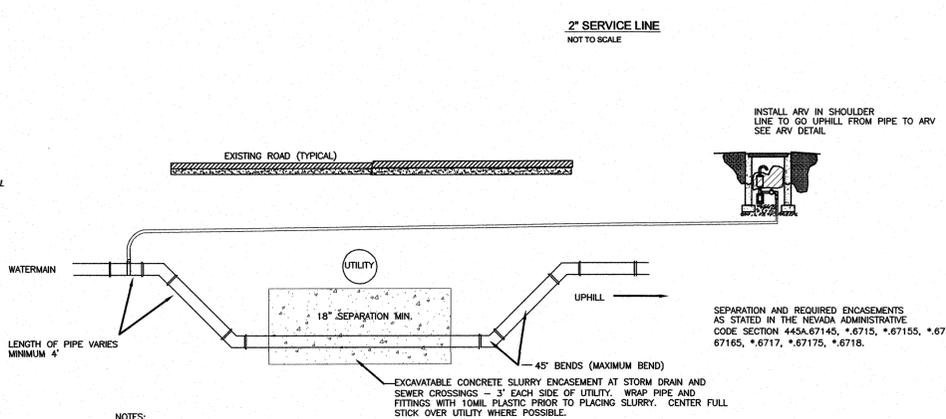
PIPE SIZE	4"	6"	8"	10"	12"
11-1/2" BEND	2	7	13	20	31
22-1/2" BEND	5	14	26	40	59
45" BEND	10	28	52	80	117
BAR SIZE (MINIMUM)	#4	#4	#5	#5	#6

BEARING AREA OF THRUST BLOCKS-SOIL.

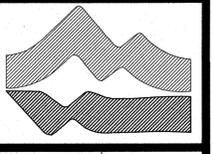
TYPE OF FITTING	45"	11-1/4"	OR 1"	TEE OR TEE WITH PLUG	CROSS W/PLUG
8"	4	4	2	4	4
10"	12	8	2	8	12
12"	16	10	5	12	16
14"	20	12	8	14	20
16"	27	15	8	16	27
18"	35	18	11	18	35
24"	60	30	18	40	60



- GENERAL NOTES:**
- HYDRANTS SHALL BE ENAMELED RED.
 - ALL HYDRANTS SHALL HAVE (2) 2-1/2" HOSE NOZZLES AND (1) 4-1/2" STEAMER NOZZLE.
 - ALL THREADS SHALL BE NATIONAL STANDARD.
 - OPERATING NUT SHALL BE 1-1/2" TETACON.
 - HYDRANT W/ AQUA-GRIP SHOE OR STAB W/ FIEL LOK GASKET.
 - CONFIRM HYDRANT LOCATION WITH NLTPO AND IVGD PRIOR TO PLACEMENT.
 - BOLLARDS MAY BE REQUIRED AS DETERMINED IN FIELD BY NLTPO AND IVGD.
 - * DISTANCE ABOVE CURB WHERE EXISTS.



- NOTES:**
- PIPE TO BE RESTRAINED DUCTILE IRON OR DR-14 C900 WITH MEGA-LUG, OR RESTRAINING GLANDS TO RESTRAIN ALL JOINTS.
 - ALL FITTINGS TO BE DUCTILE IRON.
 - DUCTILE IRON PIPE TO HAVE POLYETHYLENE ENCASEMENT, BLACK.
 - CONTRACTOR TO NOTIFY IVGD PRIOR TO WORKING ON WATERMANS.
 - BACKFILL AS SHOWN ON TRENCH DETAIL.



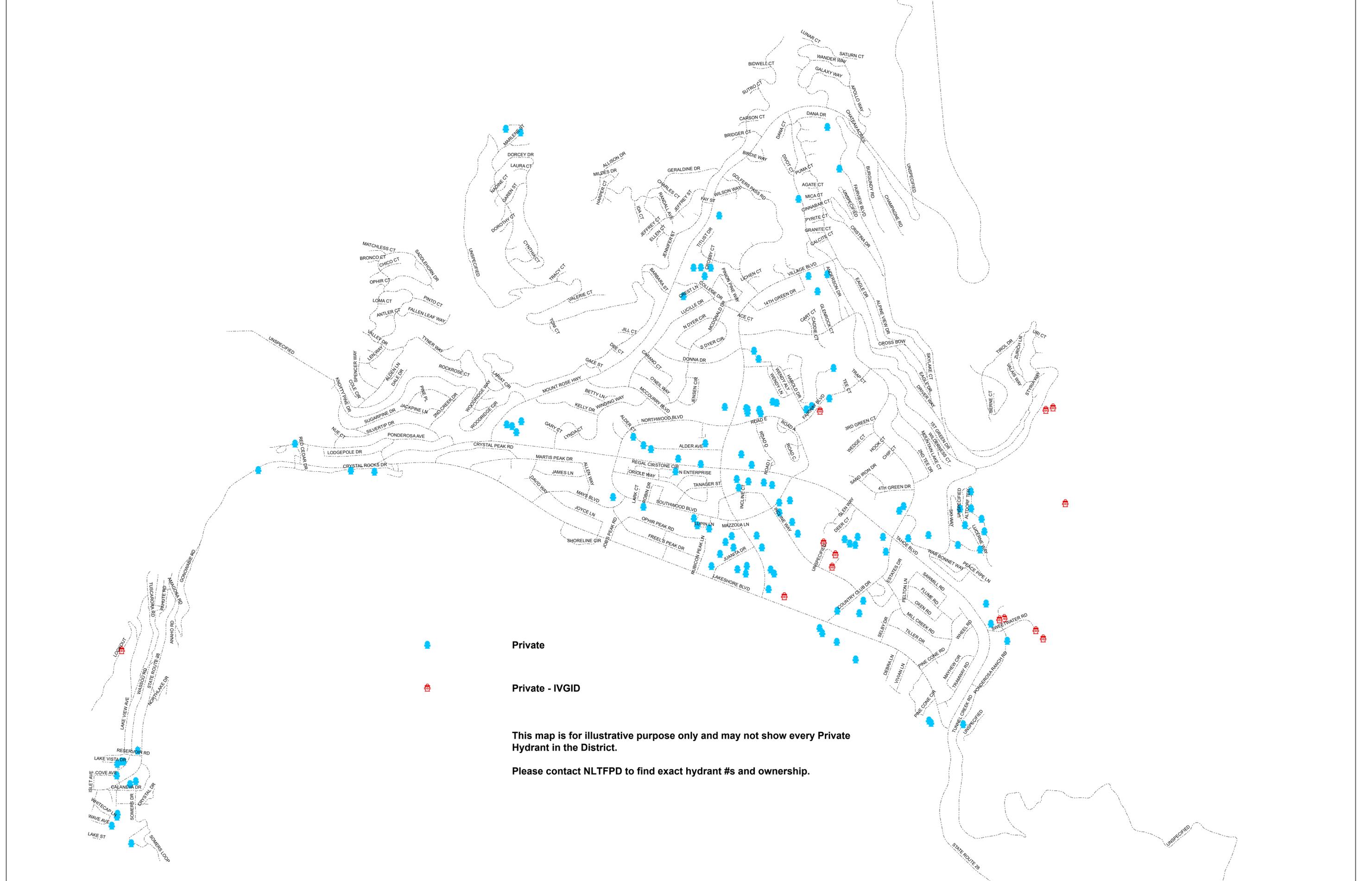
DISTRICT GENERAL IMPROVEMENT VILLAGE
 Phone 775-832-1267
 1220 Sweetwater Rd.; Incline Village, Nevada 89451
 2015 WATERMAIN DETAILS

BD SET

REV	DATE	DESCRIPTION	INT'L

Project No. XX
 DATE: 28 JULY 2015
 SCALE: AS NOTED
 DRAWING: MTL DESIGN: MTL
 APPROVED: MTL DATE:

SHEET OF



Private

Private - IVGID

This map is for illustrative purpose only and may not show every Private Hydrant in the District.

Please contact NLTFFPD to find exact hydrant #s and ownership.



FIRE HYDRANT FLOW TESTING AGREEMENT

THIS AGREEMENT, made on this _____ day of _____, 20_____,

by and between _____,

(Property Owner/Property Management/Authorized representative)

hereinafter referred to as the LANDOWNER, and North Lake Tahoe Fire District, 866 Oriole Way, Incline Village, Nevada 89451, hereinafter referred to as the DISTRICT, and

WHEREAS, the DISTRICT shall conduct fire hydrant flow testing of a fire hydrant on private property or is owned by others and not maintained by the Incline General Improvement District: and

WHEREAS, the LANDOWNER desires to implement required fire hydrant flow testing of a fire hydrant, provided by the DISTRICT, as described in the Agreement.

NOW, THEREFORE, it is hereby agreed that:

The LANDOWNER warrants that he/she/their/they/them is the owner of the property described as follows or has obtained authority from the owner of said property to grant all rights to the DISTRICT provided for in this Agreement. The property is described as follows:

(Address or APN)

The LANDOWNER grants to the DISTRICT the right of access to the above described property for the following purposes: FIRE HYDRANT FLOW TESTING IN ACCORDANCE WITH AND FOR COMPLIANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION AND INTERNATIONAL FIRE CODE STANDARDS.

The DISTRICT agrees to provide fire hydrant flow testing as described above and provide snow stakes for each hydrant. The LANDOWNER understands that water flow and water pressure are the responsibility of the Incline Village General Improvement District, and the testing is of the fire hydrant only.

Prior to fire hydrant testing, the LANDOWNER will ensure access to the fire hydrants is unobstructed by vegetation, landscaping, landscape features, fencing or any other obstruction that may deter or hinder the DISTRICT from gaining access to the fire hydrant for either emergencies or testing.

It is understood between the LANDOWNER and the DISTRICT that this Agreement shall begin on the date first above written and shall remain valid unless terminated by either party, as described below. The DISTRICT shall make effort to notify the LANDOWNER, by the contact number provided below, prior to accessing the property.

This Agreement may be terminated by either party five (5) days following written notice to the other party. No termination by the LANDOWNER shall relieve the LANDOWNER of the following obligations unless the DISTRICT is in breach of the Agreement.

Neither party will assign the rights/obligations provided for in this Agreement to another without obtaining the prior written approval of the other party.

The LANDOWNER, as consideration for the fire hydrant flow testing services performed by the

DISTRICT, agrees that they will repair/replace any deficiencies noted by the tests performed within thirty (30) days of receipt of a written deficiency report from the DISTRICT. The DISTRICT may provide a list of licensed/certified contractors equipped to perform repairs and required routine maintenance, upon request. The DISTRICT reserves the right to re-enter the property, upon reasonable notice, to insure correction of any such deficiencies.

The LANDOWNER recognizes and understands the inherent risk of fire hydrant testing, including but not limited to, water line breaks, fire hydrant breakage and landscape erosion. The DISTRICT will operate within the scope of established DISTRICT standard operating guidelines. The LANDOWNER therefore agrees to indemnify and hold harmless the DISTRICT and employees of the DISTRICT from any actions, claims or lawsuits, including attorney's fees incurred defending same, occurring as a consequence of planning and/or implementing the work specified in this Agreement unless such action, claim or lawsuit arises from the gross negligence of the DISTRICT.

This Agreement and the information herein contained shall be construed and interpreted according to the laws of the State of Nevada, with venue being in Washoe County.

Should a dispute or litigation arise as a result of the subject or performance of this Agreement, then the prevailing party shall be awarded reasonable attorney's fees and costs.

The Agreement applies to fire hydrant flow testing only. Routine maintenance including, oiling, painting, and obstruction/vegetation management remains the responsibility of the LANDOWNER.

IN WITNESS, WHEREOF the parties hereto have executed this Agreement on the day first written above.

Property Owner/Property Management/Authorized Representative

Phone Number

District Representative