



City of Ketchum

March 6, 2023

Mayor Bradshaw and City Councilors
City of Ketchum
Ketchum, Idaho

Mayor Bradshaw and City Councilors:

Recommendation to Approve Right-of-Way Encroachment Agreement 22835 for the placement of paver driveways and paver walkways in the public right-of-way adjacent to 780 N 4th Ave.

Recommendation and Summary

Staff recommends the Ketchum City Council approve the attached Right-of-Way Encroachment Agreement 22835 and adopt the following motion:

“I move to authorize the Mayor to sign Right-of-Way Encroachment Agreement 22835 between the City and Sapp Family Holdings, LLC.”

The reasons for the recommendation are as follows:

- The improvements will not impact the use or operation of N 4th Ave or 8th Street.
- The improvements will not impact drainage or snow removal within the public right-of-way.
- The project complies with all standards for Right-of-Way Encroachment Permit issuance specified in Ketchum Municipal Code §12.12.060.
- No snowmelt is being proposed.

Introduction and History

The City of Ketchum receive a building permit application on December 20, 2022, for the construction of a new detached townhouse which is phase one of a two-phase detached townhouse development project. The project proposes to improve the right-of-way along N 4th Ave and W 8th Street per the City of Ketchum’s street standards. The project proposes to construct two paver driveways and two paver walkways without snowmelt from each residence to the edge of asphalt within the right-of-way. As shown in Exhibit A to the encroachment agreement, one driveway and walkway is on N 4th Ave. The other driveway and walkway is on W 8th Street.

A public right-of-way is defined as improved or unimproved public property dedicated or deeded to the City for the purpose of providing vehicular, pedestrian, and public use. In Ketchum, the public rights-of-way consist of roadways, curbs, gutters, sidewalks, signage, and drainage facilities. The public rights-of-way are also used for public parking, wintertime snow storage, and conveyance of utilities, such as water, sewer, electricity, telephone, and cable.

Analysis

Pursuant to Ketchum Municipal Code §12.12.040.C, a Right-of-Way Encroachment Permit is required for any permanent encroachment of the public right-of-way where a permanent fixture to the ground or a building will occur. The associated Right-of-Way Encroachment Agreement is intended to help protect the City in the event the proposed encroachments were to ever pose an issue requiring repair, relocation, or removal of the encroachment. The standards for issuance of a Right-of-Way Encroachment Permit are specified in Ketchum Municipal Code §12.12.060. The encroachments proposed for the 100 Edelweiss Ave project complies with all standards.

Sustainability

The proposed project does not limit the city's ability to reach its sustainability goals outlined in the 2020 Ketchum Sustainability Action Plan as no snowmelt is proposed for the driveways or walkways.

Financial Impact

There is no financial requirement from the city for this action.

Attachments

ROW Encroachment Agreement 22835 and Exhibits

WHEN RECORDED, PLEASE RETURN TO:

**OFFICE OF THE CITY CLERK
CITY OF KETCHUM
POST OFFICE BOX 2315
KETCHUM, IDAHO 83340**

RIGHT-OF-WAY ENCROACHMENT AGREEMENT 22835

THIS AGREEMENT, made and entered into this ____ day of ____, 2022, by and between the CITY OF KETCHUM, IDAHO, a municipal corporation ("Ketchum"), whose address is Post Office Box 2315, Ketchum, Idaho and Sapp Family Holdings, LLC, ("Owner"), whose mailing address is 1100 Bellevue Way NE Suite 8A, Box 551, Bellevue, WA 98004 and who owns real property located at 780 N 4th Ave, Ketchum, ID 83340 ("subject property").

RECITALS

WHEREAS, Owner wishes to permit placement of paver driveways and paver walkways adjacent to sublots 1 and 2 of the subject property from the property line to the edge of asphalt on N 4th Ave and W 8th Street. These improvements are shown in Exhibit "A" attached hereto and incorporated herein (collectively referred to as the "Improvements"); and,

WHEREAS, Ketchum finds that said Improvements will not impede the use of said public right-of-way at this time subject to the terms and provisions of this Agreement;

WHEREAS, following construction of the Improvements, the Owner will restore the right-of-way, as shown in Exhibit A, acceptable to the Streets and Facilities Director;

NOW, THEREFORE, in contemplation of the above stated facts and objectives, it is hereby agreed as follows:

TERMS AND CONDITIONS

1. Ketchum shall permit Owner to install a paver driveway and sidewalk identified in Exhibit "A" within the public right-of-way adjacent to sublots 1 and 2 of 780 N 4th Ave until notified by Ketchum to remove the infrastructure at which time Owner shall remove infrastructure at Owner's expense.

2. Owner shall be responsible for the maintenance of said Improvements and shall repair said improvements within 48 hours upon notice from Ketchum that repairs are needed. Any modification to the improvements identified in Exhibit "A" shall be approved by the City prior to any modifications taking place.

3. Owner shall be responsible for restoring the street, curb and gutter and landscaping that is altered due to the construction and installation of the Improvements, to the satisfaction of the Director of Streets and Facilities.

4. In consideration of Ketchum allowing Owner to maintain the Improvements in the public right-of-way, Owner agrees to indemnify and hold harmless Ketchum from and against any and all claims of liability for any injury or damage to any person or property arising from the

Improvements constructed, installed and maintained in the public right-of-way. Owner shall further indemnify and hold Ketchum harmless from and against any and all claims arising from any breach or default in the performance of any obligation on Owner's part to be performed under this Agreement, or arising from any negligence of Owner or Owner's agents, contractors or employees and from and against all costs, attorney's fees, expenses and liabilities incurred in the defense of any such action or proceeding brought thereon. In the event any action or proceeding is brought against Ketchum by reason of such claim, Owner, upon notice from Ketchum, shall defend Ketchum at Owner's expense by counsel satisfactory to Ketchum. Owner, as a material part of the consideration to Ketchum, hereby assumes all risk of damages to property or injury to persons in, upon or about the Improvements constructed, installed and maintained in the public right-of-way arising from the construction, installation and maintenance of said Improvements and Owner hereby waives all claims in respect thereof against Ketchum.

5. Ketchum shall not be liable for injury to Owner's business or loss of income therefrom or for damage which may be sustained by the person, goods, wares, merchandise or property of Owner, its tenants, employees, invitees, customers, agents or contractors or any other person in or about the Subject Property caused by or resulting from the Improvements constructed, installed, removed or maintained in the public right-of-way.

6. Owner understands and agrees that by maintaining the Improvements in the public right-of-way pursuant to this Agreement, Owner obtains no claim or interest in said public right-of-way which is adverse to that of Ketchum and that Owner obtains no exclusive right to said public right-of-way nor any other right to use the public right-of-way not specifically described herein.

7. In the event either party hereto retains an attorney to enforce any of the rights, duties and obligations arising out of this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party reasonable attorney's fees at the trial and appellate levels and, whether or not litigation is actually instituted.

8. This Agreement shall be governed by, construed, and enforced in accordance with the laws and decisions of the State of Idaho. Venue shall be in the District Court of the fifth Judicial District of the State of Idaho.

9. This Agreement sets forth the entire understanding of the parties hereto and shall not be changed or terminated orally. It is understood and agreed by the parties hereto that there are no verbal promises or implied promises, agreements, stipulations or other representations of any kind or character pertaining to the Improvements maintained in the public right-of-way other than as set forth in this Agreement.

10. No presumption shall exist in favor of or against any party to this Agreement as the result of the drafting and preparation of this document.

11. This Agreement shall be recorded with the Blaine County Recorder by Ketchum.

12. The parties fully understand all of the provisions of this Agreement, and believe them to be fair, just, adequate, and reasonable, and accordingly accept the provisions of this Agreement freely and voluntarily.

OWNER:

CITY OF KETCHUM:

By: _____

By: _____
Neil Bradshaw
Its: Mayor

STATE OF _____,)
) ss.
County of _____ .)

On this ____ day of _____, 2023, before me, the undersigned Notary Public in and for said State, personally appeared _____, known to me to be the person who executed the foregoing instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public for _____
Residing at _____
Commission expires _____

STATE OF IDAHO)
) ss.
County of Blaine)

On this ___ day of _____, 2023, before me, the undersigned Notary Public in and for said State, personally appeared NEIL BRADSHAW, known or identified to me to be the Mayor of the CITY OF KETCHUM, IDAHO, and the person who executed the foregoing instrument on behalf of said municipal corporation and acknowledged to me that said municipal corporation executed the same.

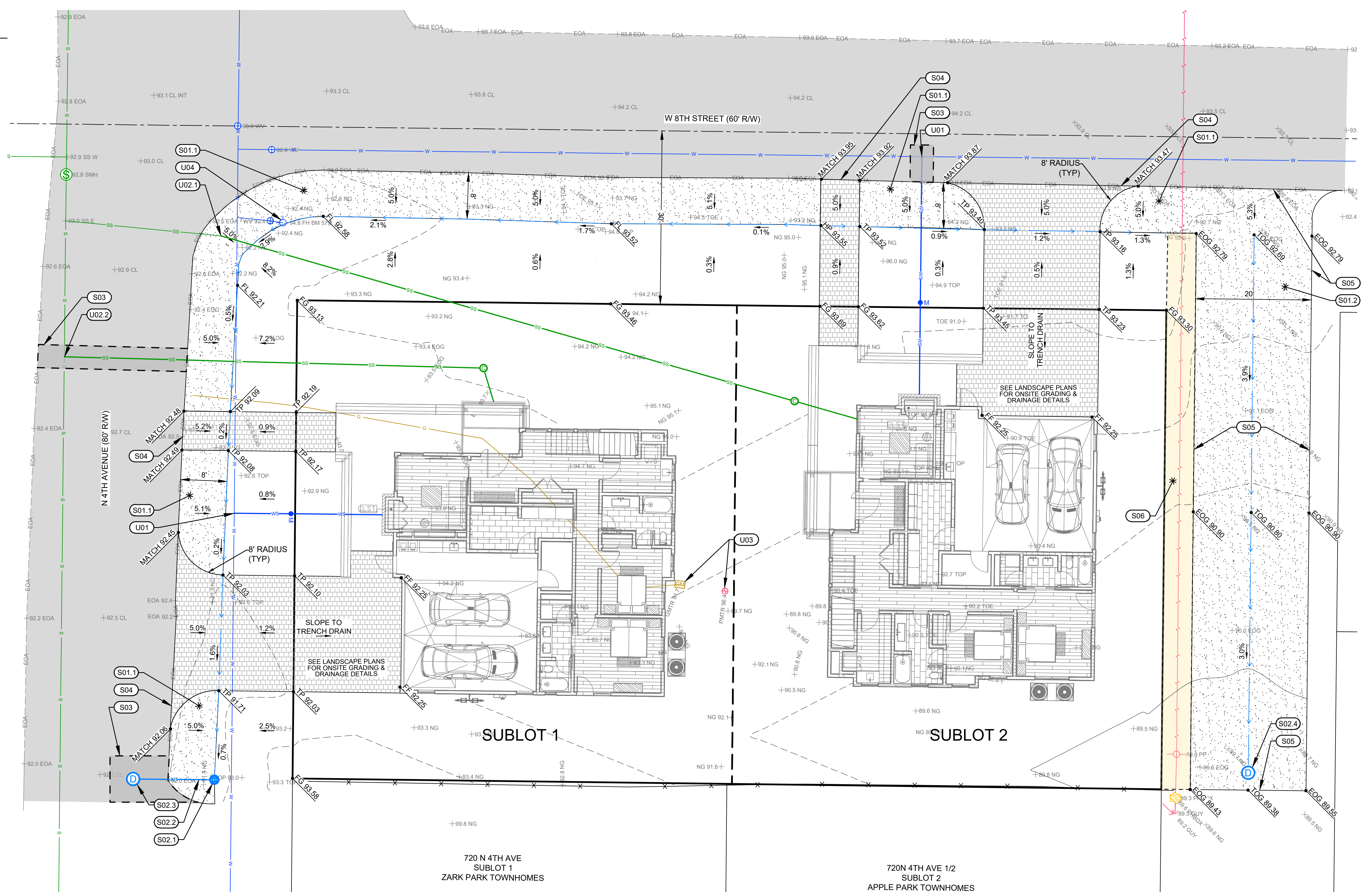
IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year in this certificate first above written.

Notary Public for _____
Residing at _____
Commission expires _____

EXHIBIT "A"

CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MOST CURRENT EDITION OF THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION" (ISPWC) AND CITY OF KETCHUM STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY OF THE ISPWC AND CITY OF KETCHUM STANDARDS ON SITE DURING CONSTRUCTION.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS IN AN APPROXIMATE WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO COMMENCING AND DURING THE CONSTRUCTION. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH RESULT FROM HIS FAILURE TO ACCURATELY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL CALL DIGLINE (1-800-342-1585) TO LOCATE ALL EXISTING UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS IN ADVANCE OF EXCAVATION.
- CONTRACTOR SHALL COORDINATE RELOCATIONS OF DRY UTILITY FACILITIES (POWER, CABLE, PHONE, TV) WITH THE APPROPRIATE UTILITY FRANCHISE.
- THE CONTRACTOR SHALL CLEAN UP THE SITE AFTER CONSTRUCTION SO THAT IT IS IN A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION (THIS MAY INCLUDE ENCROACHMENT PERMITS AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) PERMIT COVERAGE).
- ALL CLEARING & GRUBBING SHALL CONFORM TO ISPWC SECTION 201.
- ALL EXCAVATION & EMBANKMENT SHALL CONFORM TO ISPWC SECTION 202. SUBGRADE SHALL BE EXCAVATED AND SHAPED TO LINE, GRADE, AND CROSS-SECTION SHOWN ON THE PLANS. THE SUBGRADE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-698. THE CONTRACTOR SHALL WATER OR AERATE SUBGRADE AS NECESSARY TO OBTAIN OPTIMUM MOISTURE CONTENT. IN-LIEU OF DENSITY MEASUREMENTS, THE SUBGRADE MAY BE PROOF-ROLLED TO THE APPROVAL OF THE ENGINEER.
 - PROOF-ROLLING: AFTER EXCAVATION TO THE SUBGRADE ELEVATION AND PRIOR TO PLACING COURSE GRAVEL, THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE WITH A 5-TON SMOOTH DRUM ROLLER, LOADED WATER TRUCK, OR LOADED DUMP TRUCK, AS ACCEPTED BY THE ENGINEER. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF UNSUITABLE SUBGRADE MATERIAL AREAS, AND/OR AREAS NOT CAPABLE OF COMPACTION ACCORDING TO THESE SPECIFICATIONS. UNSUITABLE OR DAMAGED SUBGRADE IS WHEN THE SOIL MOVES, PUMPS AND/OR DISPLACES UNDER ANY TYPE OF PRESSURE INCLUDING FOOT TRAFFIC LOADS.
 - IF, IN THE OPINION OF THE ENGINEER, THE CONTRACTOR'S OPERATIONS RESULT IN DAMAGE TO, OR PROTECTION OF, THE SUBGRADE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR THE DAMAGED SUBGRADE BY OVER-EXCAVATION OF UNSUITABLE MATERIAL TO FIRM SUBSOIL, LINE EXCAVATION WITH GEOTEXTILE FABRIC, AND BACKFILL WITH PIT RUN GRAVEL.
- ALL 2" MINUS GRAVEL SHALL CONFORM TO ISPWC 802, TYPE II (ITD STANDARD 703.04, 2"), SHALL BE PLACED IN CONFORMANCE WITH ISPWC SECTION 801 AND COMPACTED PER SECTION 202. MINIMUM COMPACTION OF PLACED MATERIAL SHALL BE 90% OF MAXIMUM LABORATORY DENSITY AS DETERMINED BY AASHTO T-99.
- ALL 3/4" MINUS CRUSHED GRAVEL SHALL CONFORM TO ISPWC 802, TYPE I (ITD STANDARD 703.04, 3/4" B), SHALL BE PLACED IN CONFORMANCE WITH ISPWC SECTION 802 AND COMPACTED PER SECTION 202. MINIMUM COMPACTION OF PLACED MATERIAL SHALL BE 95% OF MAXIMUM LABORATORY DENSITY AS DETERMINED BY AASHTO T-99 OR ITD T-91.
- ALL ASPHALTIC CONCRETE PAVEMENT WORK SHALL CONFORM TO ISPWC SECTION(S) 805, 810, AND 811 FOR CLASS II PAVEMENT. ASPHALT AGGREGATE SHALL BE 1/2" (13MM) NOMINAL SIZE CONFORMING TO TABLE 803B IN ISPWC SECTION 803. ASPHALT BINDER SHALL BE PG 58-28 CONFORMING TO TABLE A-1 IN ISPWC SECTION 805.
- ASPHALT SAWCUTS SHALL BE AS INDICATED ON THE DRAWINGS, OR 24" INCHES FROM EDGE OF EXISTING ASPHALT, IF NOT INDICATED OTHERWISE SO AS TO PROVIDE A CLEAN PAVEMENT EDGE FOR MATCHING. NO WHEEL CUTTING SHALL BE ALLOWED.
- CONSTRUCTION OF WATER SERVICES AND ALL OTHER RELATED APPURTENANCES SHALL BE IN ACCORDANCE WITH THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC), IDAPA 58 01 08, IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS AND THE CITY OF KETCHUM UTILITIES DEPARTMENT STANDARDS.
- CONTRACTOR SHALL PRESSURE TEST, DISINFECT, AND CONDUCT BIOLOGICAL TESTING IN ACCORDANCE WITH THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC), AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS, AND THE PRESSURE TESTING, DISINFECTION, AND MICROBIOLOGICAL TESTING PROCEDURES.
- CONTRACTOR TO COORDINATE SIZING AND INSTALLATION OF WATER METER DIRECTLY WITH THE CITY OF KETCHUM.
- ALL WATER SUPPLY FIXTURES, FITTINGS, PIPING, AND ALL RELATED APPURTENANCES SHALL BE ANS/NSF STD. 61 COMPLIANT.
- ALL WATER SUPPLY FIXTURES, FITTINGS, PIPING, AND ALL RELATED APPURTENANCES SHALL COMPLY WITH THE LOW LEAD ACT REQUIRING ALL MATERIALS TO HAVE A LEAD CONTENT EQUAL TO OR LESS THAN 0.25%.
- THE CONTRACTOR SHALL USE ANS/NSF STANDARD 60 CHEMICALS AND COMPOUNDS DURING INSTALLATION & DISINFECTION OF POTABLE WATER LINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL PER THE CURRENT EDITION OF THE US DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE PROPERTIES THROUGHOUT CONSTRUCTION, OR MUST OTHERWISE COORDINATE ACCESS WITH THE PROPERTY OWNER(S) THROUGH THE CITY ENGINEER.
- PER IDAHO CODE § 55-1613, THE CONTRACTOR SHALL RETAIN AND PROTECT ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS AND POINTS SET IN CONTROL SURVEYS; ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS AND POINTS SET IN CONTROL SURVEYS THAT ARE LOST OR DISTURBED BY CONSTRUCTION SHALL BE REESTABLISHED AND RE-MONUMENTED, AT THE EXPENSE OF THE AGENCY OR PERSON CAUSING THEIR LOSS OR DISTURBANCE AT THEIR ORIGINAL LOCATION OR BY SETTING OF A WITNESS CORNER OR REFERENCE POINT OR A REPLACEMENT BENCHMARK OR CONTROL POINT, BY OR UNDER THE DIRECTION OF A PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A MATERIALS TESTING COMPANY DURING CONSTRUCTION TO VERIFY ALL COMPACTION AND MATERIAL PLAN AND SPECIFICATION REQUIREMENTS ARE MET. QUALITY CONTROL DOCUMENTATION OF TESTING FOR WORK IN RIGHT-OF-WAY MEETING CITY OF KETCHUM CODE SECTION 12.04.040 (CONCRETE, AGGREGATE BASE COMPACTION, ASPHALT COMPACTION) WILL BE NECESSARY FOR CERTIFICATE OF OCCUPANCY.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A SITE SURVEY BY GALENA ENGINEERING, DATED 10/26/2021.
- BUILDING PERMIT IS SUBJECT TO ALL CONDITIONS OF APPROVAL FOR DESIGN REVIEW PERMIT P22-052 AND PHASED DEVELOPMENT AGREEMENT #22812
- ALL RIGHT-OF-WAY IMPROVEMENTS PER SHEET C1.00 MUST BE COMPLETED PRIOR TO ISSUANCE OF A TEMPORARY OR FINAL CERTIFICATE OF OCCUPANCY UNLESS OTHERWISE AGREED UPON IN WRITING BY THE CITY.



SITE IMPROVEMENT KEY NOTES

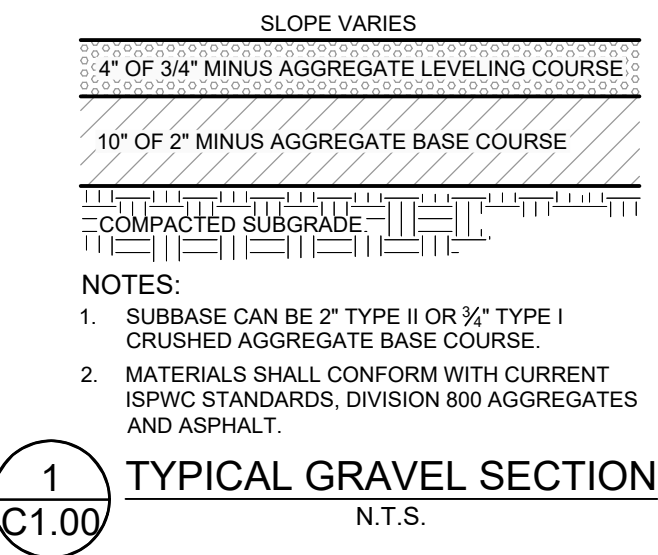
- S01.1** CONSTRUCT 8' WIDE GRAVEL SHOULDER PER CITY OF KETCHUM STANDARD. SEE DETAIL 1 / C1.00
- S01.2** CONSTRUCT 20' WIDE GRAVEL ROADWAY PER CITY OF KETCHUM STANDARD. SEE DETAIL 4 / C2.00
- S02.1** CONSTRUCT CATCH BASIN. RIM = 5791.50 I.E. (OUT) = 5788.50. SEE DETAIL 3 / C2.00.
- S02.2** INSTALL APPROX. 14 LF OF 12" ADS N-12 STORM DRAIN PIPE WITH A MIN. SLOPE OF 2.0%.
- D02.3** CONSTRUCT DRYWELL-1 W/ HDPE LINER. RIM = MATCH EXISTING FG (APPROX. EL. = 5792.18). SEE DETAIL 7 / C2.00
- D02.4** CONSTRUCT DRYWELL-2. RIM = 5789.37 SEE DETAIL 6 / C2.00
- S03** SAWCUT EXISTING ASPHALT FOR UTILITY TIE-INS. REPLACE ASPHALT PER DETAIL 2 / C1.00
- S04** SAWCUT EXISTING ASPHALT TO PROVIDE CLEAN EDGE AT PAVER TIE-IN.
- S05** MATCH EXISTING LINES & GRADES. MAINTAIN EXISTING DRAINAGE PATTERNS.
- S06** CLEAR & GRUB EXISTING VEGETATION. GRADE SMOOTH TO MATCH EXISTING GRADES.

UTILITY CONSTRUCTION KEY NOTES

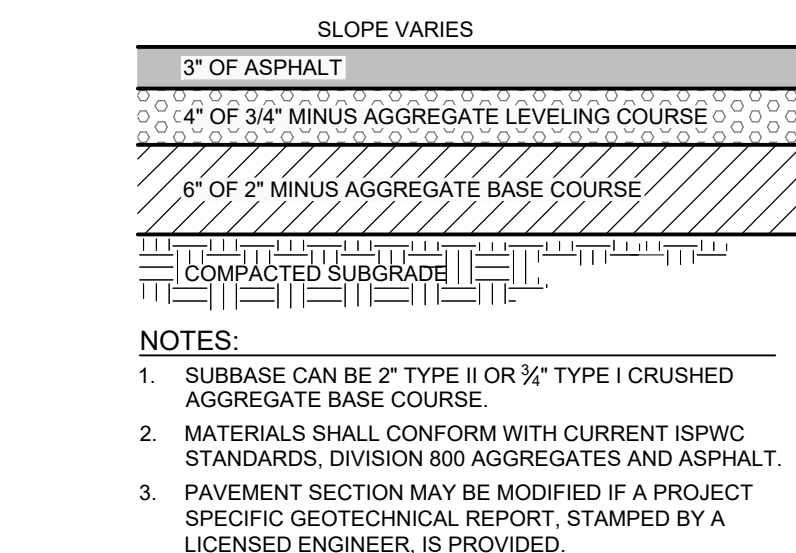
- U01** CONNECT NEW WATER SERVICE TO EXISTING CITY OF KETCHUM WATER MAIN PER DETAIL 2 / C2.00.
- U02.1** CONNECT NEW SEWER SERVICE TO EXISTING SERVICE STUB. CONTRACTOR TO VERIFY LOCATION AND SUITABILITY OF EXISTING SERVICE.
- U02.2** CONNECT NEW SEWER SERVICE TO EXISTING MAIN. SEE DETAIL 1 / C2.00.
- U03** RELOCATE EXISTING UTILITIES. COORDINATE RELOCATION WITH CORRESPONDING UTILITY FRANCHISE.
- U04** RESET EXISTING FIRE HYDRANT HEIGHT TO MATCH FINISHED GRADE.

LEGEND

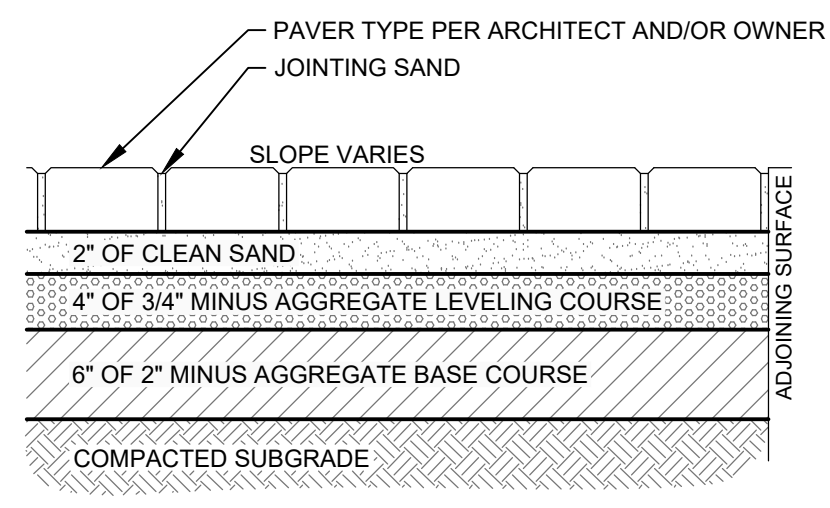
EXISTING ITEMS		PROPOSED ITEMS	
—	Property Line	- - -	Proposed Lot Line
- - -	Adjoiner's Lot Line	—	Gravel Shoulder & Roadway
—	CL = Centerline	—	Pavers, see Detail 3 / C1.00
- - -	FNC = Fence Line	—	1' Contour Interval
—	Asphalt	—	5' Contour Interval
—	GM = Gas Main	—	FL = Flow Line of Ditch
—	GMTR = Gas Meter	—	Drywell
—	PHBOX = Telephone Riser	—	Catch Basin
—	PMTR = Power Meter	—	Waterline, 1" PVC Service
—	Overhead Power Line	—	Water Meter
—	PP = Power Pole	—	Sewer Service Line, 4" PVC Gravity
—	GU = Guywire	—	Cleanout
—	Sewer Main	—	
—	SS = Sewer Service	—	
—	SMH = Sewer Manhole	—	
—	WM = Water Main	—	
—	FH = Fire Hydrant	—	
—	WV = Water Valve	—	



1 TYPICAL GRAVEL SECTION
N.T.S.



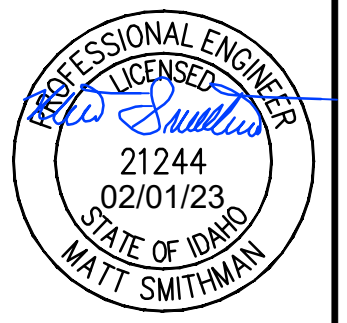
2 STREET ASPHALT SECTION
N.T.S.



3 STANDARD PAVER DETAIL
N.T.S.

RIGHT OF WAY IMPROVEMENT PLAN
SAPP TOWNHOMES
LOCATED WITHIN SECTION 13, T.4 N., R.17 E., B.M., CITY OF KETCHUM, BLAINE COUNTY, IDAHO
PREPARED FOR WILLIAMS PARTNERS ARCHITECTS, P.C.

PROJECT INFORMATION
File: s809-0227-21.dwg Construction: 02/01/23 ENG: cwg 01/17/23 1:08:34 PM



MS DESIGNED BY
MS DRAWN BY
JL CHECKED BY

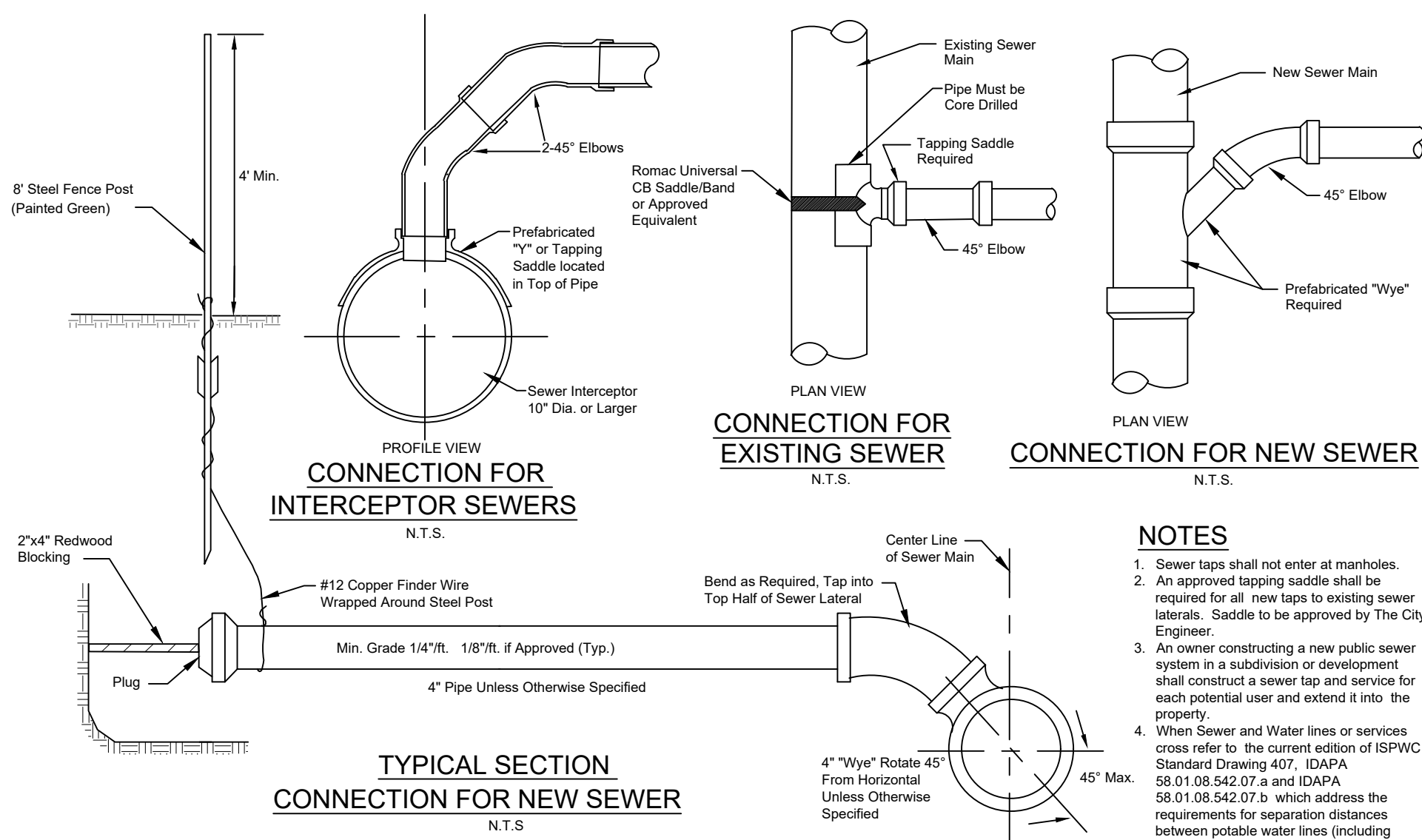
GALENA ENGINEERING, INC.
Civil Engineers & Land Surveyors
317 N. River Street
Halley, Idaho 83333
(208) 768-1705
email: galena@galena-engineering.com

PURPOSE: ISSUE FOR PERMIT

NO.	DATE	BY	REVISIONS

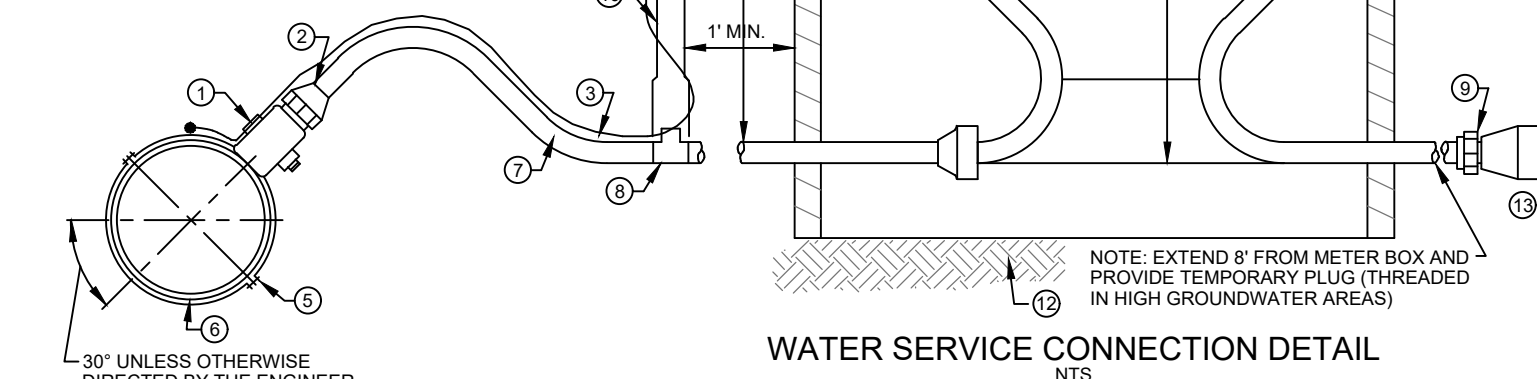
C1.00

REUSE OF DRAWINGS: These drawings, or any portion thereof, shall not be used on any project or extension of this Project except by agreement in writing with Galena Engineering, Inc.



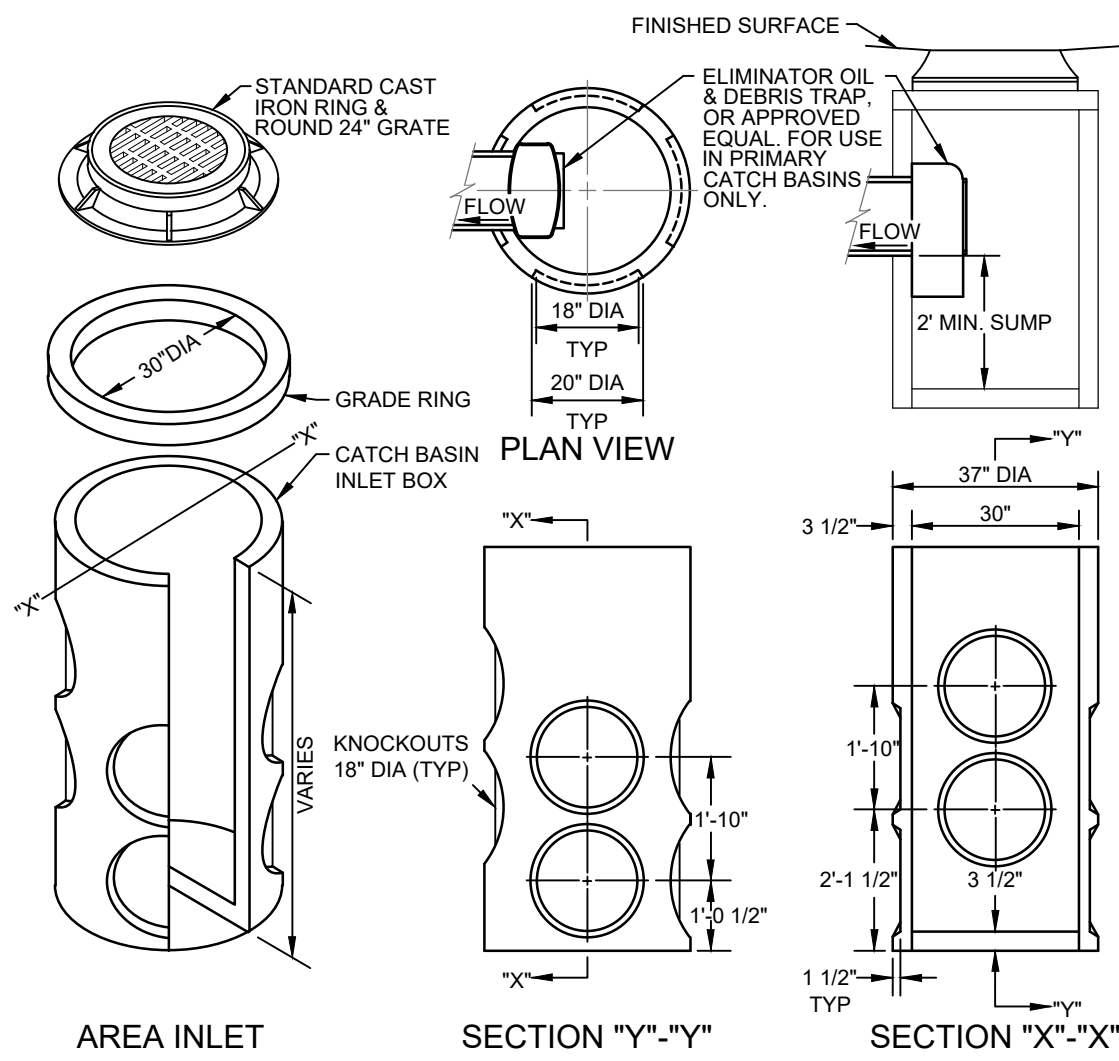
1 SEWER SERVICE CONNECTION DETAIL
N.T.S.

- NOTES:**
- ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS.
 - NO GALVANIZED PIPE OR YELLOW BRASS FITTINGS TO BE USED.
 - SERVICE PIPE: ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE PIPE SDR 9, CLASS 200 IN IRON PIPE SIZE (DRISCO PIPE 800X ULTRA LINE) 1".
 - SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS, TYPE IPS.
 - NO SERVICE CONNECTIONS WITHIN 18 INCHES OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES OR 2.5X PIPE Ø. MAXIMUM TWO (2) SERVICE CONNECTIONS PER STICK OF PIPE.
 - ELEVATION SET OF METER LID PER LOCAL REQUIREMENTS.



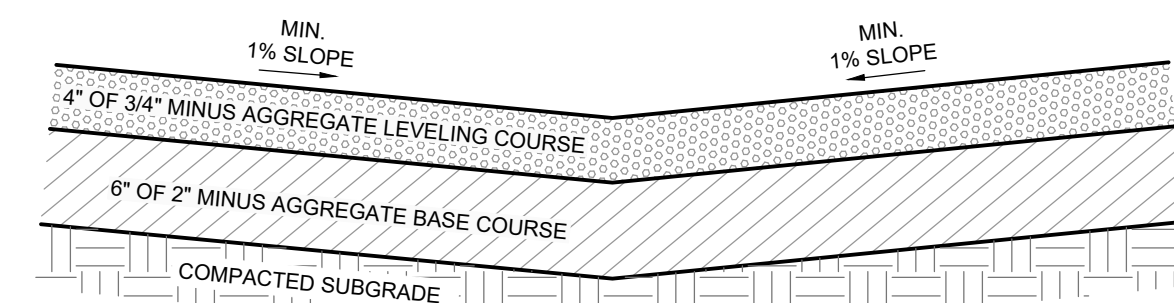
- LEGEND**
- 1" CURB STOP WITH COMPRESSION COUPLING FORD MODEL F-1100 OR APPROVED EQUAL.
 - MUELLER H-15072.
 - NO. 12 COPPER FINDER WIRE. SEE SD-514 FOR SPLICING.
 - MUELLER 18" DIA OPENING LID OR APPROVED EQUAL. 2" DIA HOLE IN LID FOR RADIO READ UNIT. LIDS AND FRAMES LOCATED IN PAVED OR GRAVEL AREAS WHICH WILL RECEIVE VEHICULAR TRAFFIC SHALL BE H-20 RATED. D&L SUPPLY D-8016 RING WITH SOLID LID OR APPROVED EQUAL.
 - STAINLESS STEEL SADDLE.
 - WATER MAIN.
 - 1" SERVICE LINE. 200 PSI POLY PIPE WITH INSERTS (TYP.) NO SPLICING IS ALLOWED.
 - FORD MODEL B-111 RESILIENT SEAT, CURB BALL VALVE OR APPROVED EQUAL.
 - DOUBLE PURPOSE COUPLING.
 - STANDARD KETCHUM STYLE VALVE BOX WITH ERIE STYLE LID AND ATTACHED ROD.
 - 18" DIA. X 72" DEEP MUELLER THERMA COIL METER VAULT OR APPROVED EQUAL. NOTCH FOR SERVICE LATERALS.
 - FIRM UNDISTURBED EARTH. (SET TILE ON 2" X 22" DIAMETER PRECAST CONCRETE BLOCK IF OVER EXCAVATION OCCURS).
 - PROVIDE TEMPORARY PLUG (THREADED IN HIGH WATER AREAS).

2 1" WATER SERVICE CONNECTION
N.T.S.



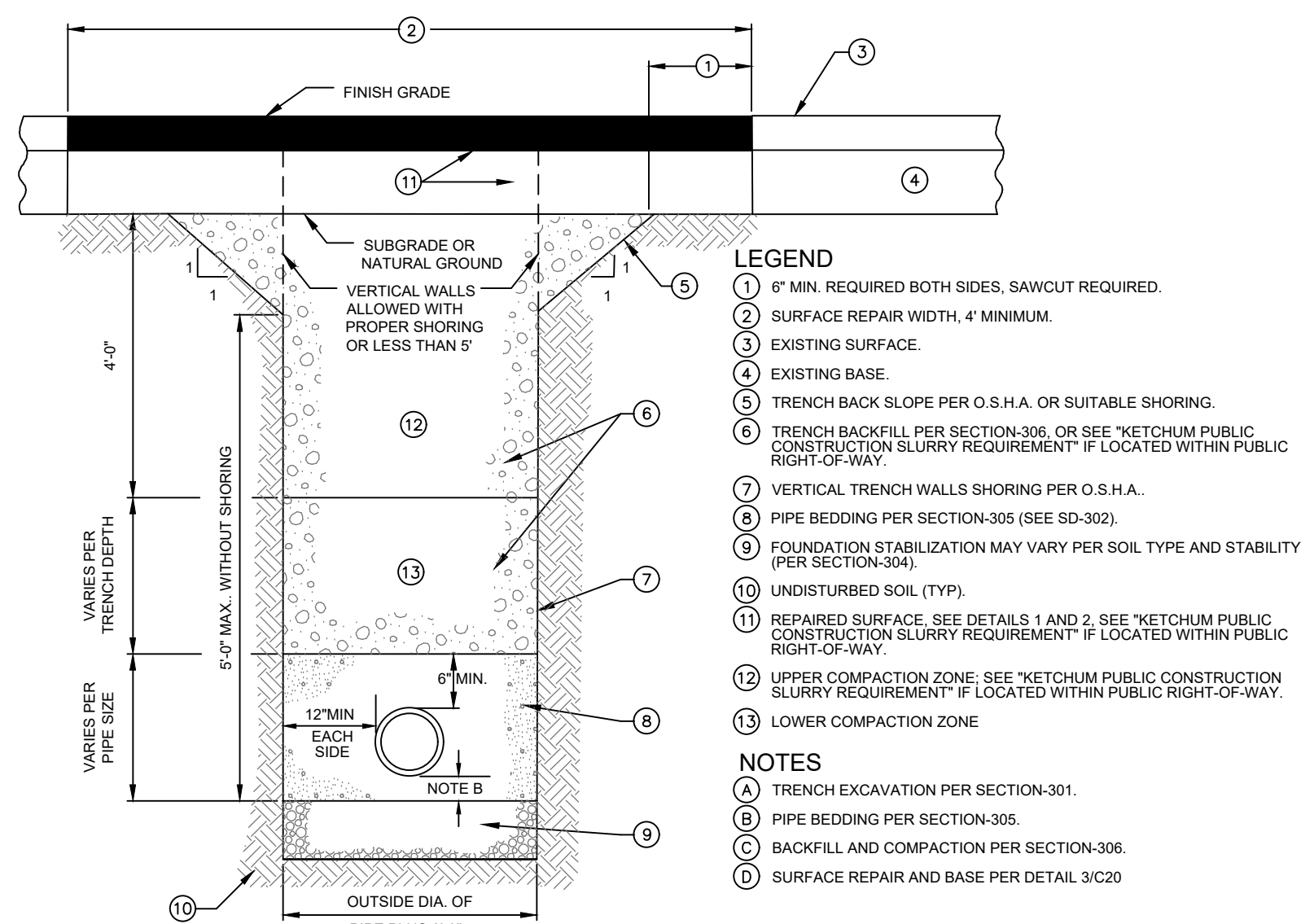
- CATCH BASIN INSTALLATION NOTES:**
- PRIMARY CATCH BASIN IS DEFINED AS THE FIRST STORM STRUCTURE UPSTREAM OF A DRYWELL. A SATELLITE CATCH BASIN IS DEFINED AS THE STORM STRUCTURE UPSTREAM OF THE PRIMARY CATCH BASIN.
 - THE OIL & DEBRIS TRAP SHALL BE INSTALLED ON THE OUTLET OF THE PRIMARY CATCH BASIN ONLY, NOT ON SATELLITE CATCH BASINS.
 - PLACE A MINIMUM OF 4" OF COMPACTED BEDDING ON PREPARED SUBGRADE AS SPECIFIED IN ISPWC SECTION 305 - PIPE BEDDING. EXTEND BEDDING EITHER TO THE LIMITS OF THE EXCAVATION OR AT LEAST 12" OUTSIDE THE LIMITS OF THE BASE SECTION.
 - FILL THE BALANCE OF THE EXCAVATED AREA WITH SELECT MATERIAL COMPACTED LEVEL TO THE TOP OF THE BEDDING.
 - PROVIDE A SMOOTH AND LEVEL BEARING SURFACE ON THE BEDDING SURFACE.

3 30" DIAMETER PRIMARY CATCH BASIN
N.T.S.



- NOTES:**
- SUBBASE CAN BE 2" TYPE II OR 3/4" TYPE I CRUSHED AGGREGATE BASE COURSE.
 - MATERIALS SHALL CONFORM WITH CURRENT ISPWC STANDARDS, DIVISION 800 AGGREGATES AND ASPHALT.

4 TYPICAL GRAVEL SECTION - ALLEY
N.T.S.



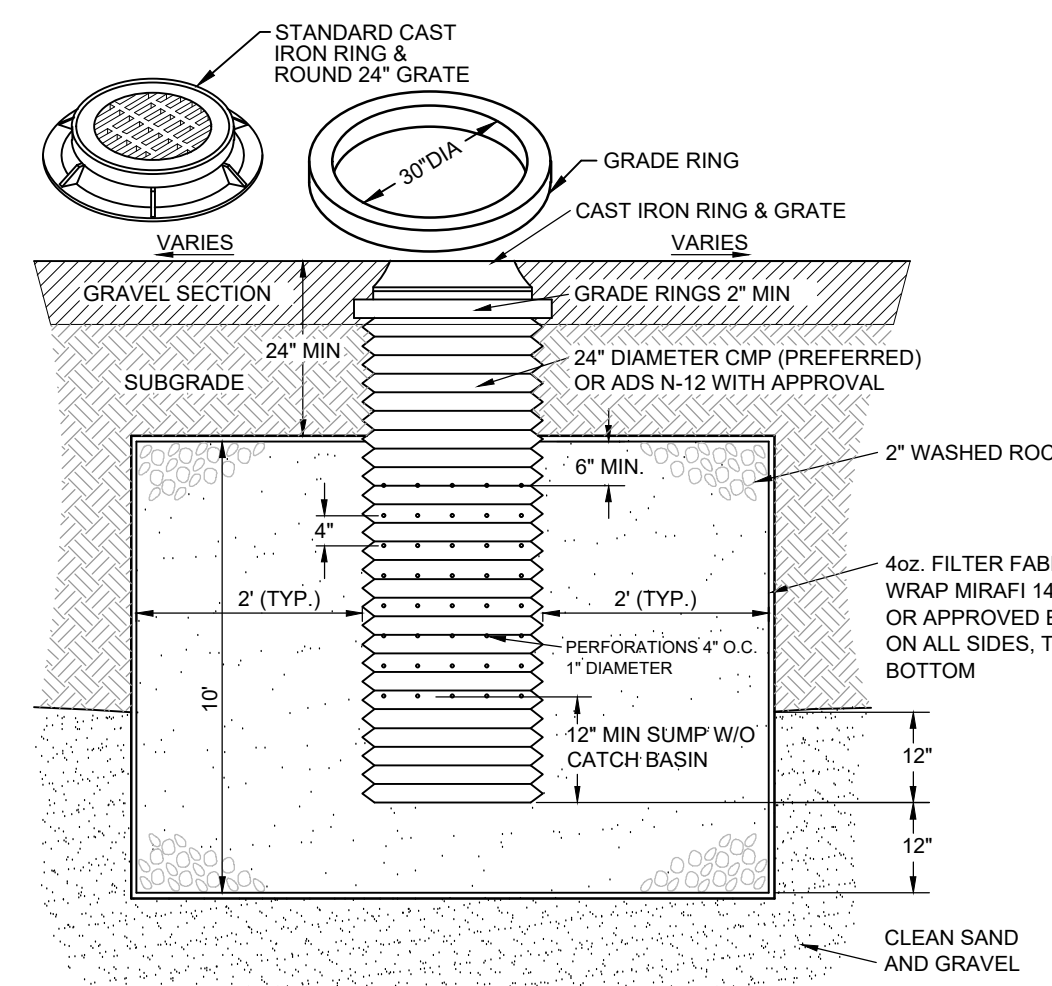
KETCHUM PUBLIC CONSTRUCTION SLURRY REQUIREMENT
IN AREAS WHERE IT IS NECESSARY TO CUT THE ASPHALT PAVEMENT AND DIG A TRENCH FOR BURIAL OF CONDUIT CABLE OR OTHER CITY UTILITY, THE TRENCH SHALL BE BACKFILLED WITH A LEAN CONCRETE MIX TO THE BOTTOM OF FINISH SURFACE MATERIAL WITH THE FOLLOWING PROPORTIONS OF MATERIALS:

COARSE AGGREGATE (3/4" MINUS)	2,600 LBS
SAND	800 LBS
PORTLAND CEMENT	94 LBS
WATER	11 GAL (MAX.)

WATER CONTENT IS MAXIMUM AND MAY BE REDUCING DOWNWARD. CARES SHALL BE TAKEN TO ASSURE THAT EXCESS WATER IS NOT PRESENT IN THE MIXING DRUM PRIOR TO CHARGING THE MIXER WITH MATERIALS. THOROUGH MIXING WILL BE REQUIRED PRIOR TO DISCHARGE.

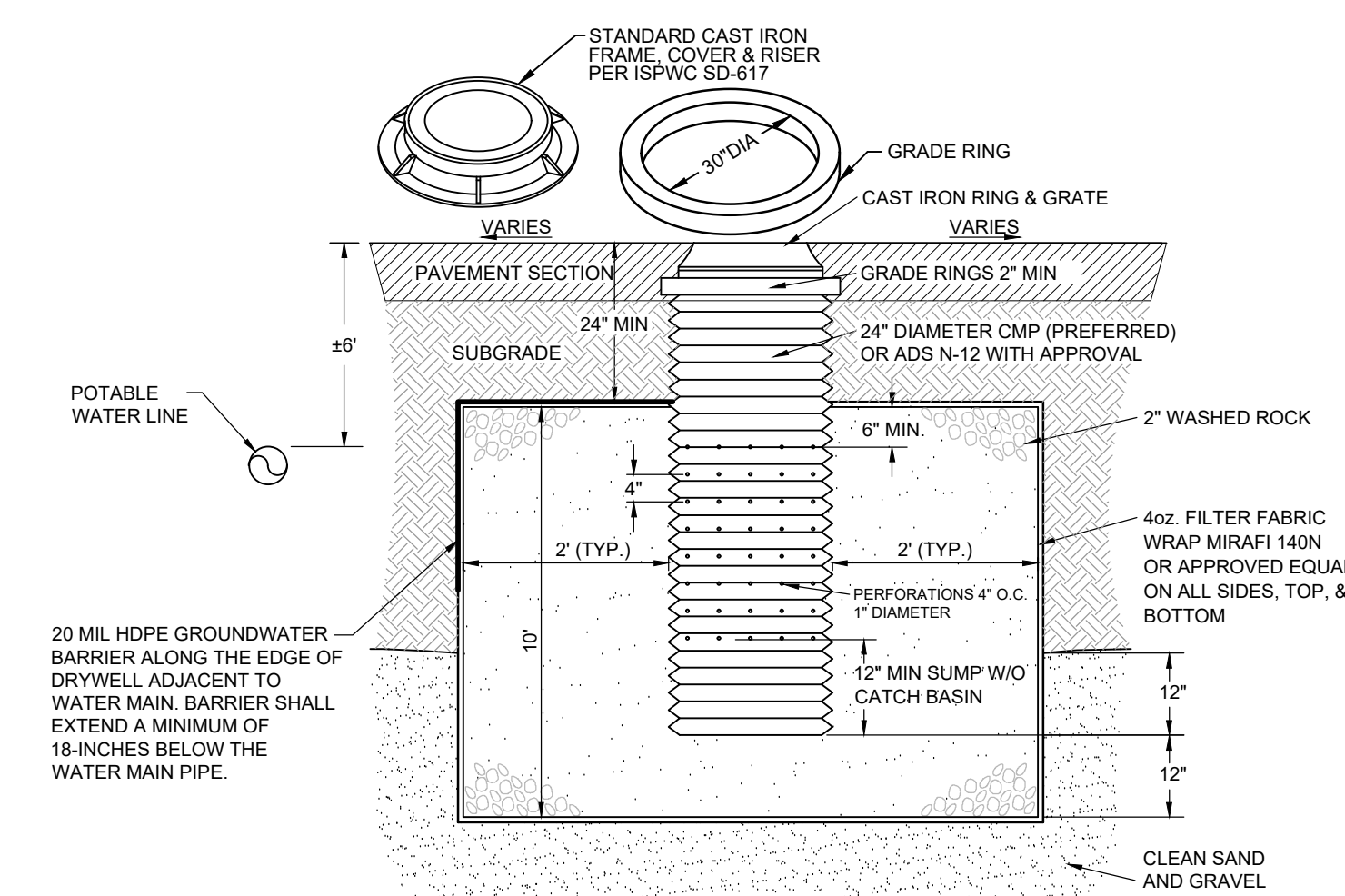
NO COMPACTION, VIBRATION OR FINISHING IS REQUIRED. THE LEAN CONCRETE MIX SHALL BE STRUCK OFF AT OR BELOW THE ELEVATION OF THE PLANT MIX SURFACING WITH A SQUARE-NOSE SHOVEL OR SIMILAR HAND TOOL. THE BACKFILL MIX SHALL BE ALLOWED TO SET FOR A MINIMUM OF 2 HOURS BEFORE THE PERMANENT PLANT MIX SURFACING IS PLACED TO COMPLETE THE TRENCH REPAIR. TEMPORARY PLACEMENT OF ASPHALT COLD MIX SURFACING MAY BE NECESSARY TO ACCOMMODATE TRAFFIC WITHIN THE FIRST 2 HOURS OF BACKFILL PLACEMENT PRIOR TO COMPLETING THE PERMANENT REPAIR.

5 TYPICAL TRENCH SECTION
N.T.S.



NOTE: THE BED SHALL BE EXCAVATED A MINIMUM OF 24" INTO CLEAN SAND AND GRAVEL. MAXIMUM DEPTH SHALL NOT EXCEED 12 FEET. IF CLEAN SAND AND GRAVEL IS NOT ENCOUNTERED WITHIN 12 FEET, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER.

6 DRYWELL DETAIL (6' Ø)
N.T.S.



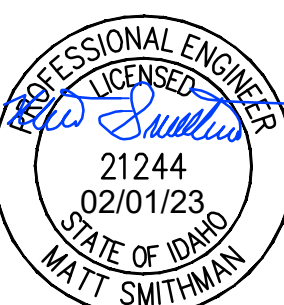
NOTE: THE BED SHALL BE EXCAVATED A MINIMUM OF 24" INTO CLEAN SAND AND GRAVEL. MAXIMUM DEPTH SHALL NOT EXCEED 12 FEET. IF CLEAN SAND AND GRAVEL IS NOT ENCOUNTERED WITHIN 12 FEET, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER.

7 HDPE-LINED DRYWELL DETAIL (6' Ø)
N.T.S.

REUSE OF DRAWINGS: These drawings, or any portion thereof, shall not be used on any project or extension of this project except by agreement in writing with Galena Engineering, Inc.

RIGHT OF WAY IMPROVEMENT DETAILS
SAPP TOWNHOMES
LOCATED WITHIN SECTION 13, T.4 N., R.17 E., B.M., CITY OF KETCHUM, BLAINE COUNTY, IDAHO
PREPARED FOR WILLIAMS PARTNERS ARCHITECTS, P.C.

PROJECT INFORMATION
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MS DESIGNED BY
MS DRAWN BY
JL CHECKED BY

GALENA ENGINEERING, INC.
Civil Engineers & Land Surveyors
317 N. River Street
Halley, Idaho 83333
(208) 788-1705
email: galena@galena-engineering.com

NO.	DATE	BY	REVISIONS

PURPOSE: ISSUE FOR PERMIT
C2.00