

# IMPROVEMENT PLANS

## HILLVIEW ADDITION # 2 14TH & BRYDEN AVE. LEWISTON, IDAHO 83501

FILE NOT  
BEFORE Start of  
Construction.

### GENERAL NOTES

- 1) THE CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS AND FEES.
- 2) THE CONTRACTOR SHALL INVESTIGATE ON SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS REQUIRING MODIFICATION PRIOR TO PROCEEDING.
- 3) THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTATIVE MEASURES TO PROTECT THE EXISTING IMPROVEMENTS. ANY DAMAGE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 4) THE CONTRACTOR SHALL COORDINATE THE WORK SCHEDULE SO AS TO HAVE A MINIMUM IMPACT ON THE EXISTING TRAFFIC. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PER IDAHO MANUAL & UNIFORM TRAFFIC CONTROL.
- 5) OWNER'S PROPERTY CORNERS SHALL BE PROTECTED AT ALL TIMES, AND THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF IDAHO TO REFERENCE ALL CORNERS. UPON COMPLETION OF THE PROJECT, ALL EXISTING CORNERS DAMAGED BY CONSTRUCTION OR OTHER ACTIVITY SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR.
- 6) ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO CITY OF LEWISTON SPECIFICATIONS, 2008.
- 7) SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS, AND INTERSECTIONS MUST BE MAINTAINED.
- 8) EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF, AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLE TRAFFIC.
- 9) IMPROVEMENTS CONSTRUCTED ON RIGHT-OF-WAY MUST FOLLOW CITY OF LEWISTON ROAD STANDARDS AND SPECIFICATIONS.
- 10) ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY ORDINANCES AND STANDARDS.
- 11) ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED BEFORE EXCAVATION.
- 12) ALL EXPOSED CUT/FILL SLOPES SHALL BE SEED TO PREVENT EROSION.
- 13) ALL ROADWAY FILL SHALL BE AS A MINIMUM, CLEAN, UNIFORMLY GRADED, COMPACTED TO 95% OF THE MAX. DRY DENSITY DETERMINED BY MODIFIED PROCTOR ASTM D 1557. COMPACTION LAYERS SHALL BE 8" DEEP.
- 14) ADD STREET MONUMENTS AND CASES DURING PAVING AT LOCATIONS SHOWN ON THE PLAT IN CONFORMANCE WITH CITY OF LEWISTON ORDINANCES.
- 15) STREET NAME SIGNS ARE TO BE PAID FOR BY THE DEVELOPER AND INSTALLED BY CITY OF LEWISTON.
- 16) ALL CURB AND GUTTER SHALL CONFORM TO CITY OF LEWISTON ROAD STANDARDS.
- 17) SIDEWALKS SHALL CONFORM TO THE CITY OF LEWISTON STANDARDS.
- 18) ALL WATER AND SEWER UTILITIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH STATE OF IDAHO STANDARDS FOR PUBLIC DRINKING WATER SYSTEMS.
- 19) WATER MAINS SHALL BE INSTALLED BY L.O.I.D. AND SHALL CONFORM TO L.O.I.D. STANDARDS.
- 20) WATER MAINS SHALL BE LAID ONLY IN DEDICATED STREETS OR IN EASEMENTS, WHICH HAVE BEEN GRANTED AND ACCEPTED BY CITY OF LEWISTON, IDAHO.
- 21) WATER PIPE SHALL BE PVC CLASS 150 (MINIMUM) CONFORMING TO AWWA STANDARD C-900.
- 22) WATER LINE FITTINGS SHALL BE CAST IRON OR DUCTILE IRON CONFORMING TO AWWA STANDARD C153.
- 23) PROPOSED WATER LINES SHALL BE HYDROSTATICALLY TESTED AS PER AWWA C600-93. TESTS SHALL BE 1 1/2 TIMES WORKING PRESSURE, WITH A MINIMUM OF 150 PSI. PRESSURE SHALL BE HELD FOR 2 HOURS WITH NO DROP IN PRESSURE. ENGINEER OF RECORD SHALL WITNESS TEST.
- 24) DISINFECTING OF WATER PIPES SHALL BE IN ACCORDANCE WITH AWWA C-651-92. ISOLATE NEW PIPE FROM EXISTING SYSTEM TO PREVENT POTENTIAL CROSS-CONNECTION. ENGINEER OF RECORD SHALL WITNESS TEST.
- 25) THE CONTRACTOR SHALL PROVIDE LOCATE TAPE IN PVC WATER MAIN TRENCH.
- 26) THRUST BLOCKS SHALL CONFORM TO COUNTY OF ASOTIN STANDARD DRAWINGS.
- 27) GATE VALVES SHALL CONFORM TO AWWA C 509-87 RESILIENT SEATED GATE VALVES FOR WATER AND SEWAGE Y SYSTEMS AND SHALL BE IRON BODY BRONZE-MOUNTED, DOUBLE DISC WITH BRONZE WEDGINGS AND O-RING STUFFING BOX.
- 28) THE CONTRACTOR SHALL PROVIDE 4 FT MIN. COVER ON ALL WATER LINES.
- 29) WATER LINE CONNECTIONS TO MAINS AND LATERALS SHALL BE LEFT UNCOVERED UNTIL AFTER THE CITY ENGINEER HAS INSPECTED AND APPROVED THE WORK. AFTER APPROVAL OF CONNECTION, THE TRENCH SHALL BE BACKFILLED AS SPECIFIED.
- 30) FIRE HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE OF STANDARD MANUFACTURE AND OF A PATTERN APPROVED AND/OR REQUIRED BY THE CITY OF LEWISTON AND/OR THE CITY OF LEWISTON FIRE DEPARTMENT. HYDRANTS SHALL BE SO CONSTRUCTED THAT THE DIRECTION OF THE PUMPER CONNECTION MAY BE ROTATED TO FACE THE ROADWAY. SIX (6) INCH MECHANICAL JOINTS CONNECTION WITH LUGS AND SHACKLE RODS ARE TO BE USED. A GATE VALVE SHALL BE INSTALLED AT EACH HYDRANT AS SHOWN ON STANDARDS DETAILS.
- 31) MANHOLES SHALL BE CONSTRUCTED IN CONFORMANCE WITH CITY OF LEWISTON STANDARD DRAWINGS.
- 32) "TIE-INS" TO EXISTING MANHOLES SHALL INCLUDE THE CONSTRUCTION OF NEAT, NEW, WATERTIGHT INVERTS, AS APPROVED BY THE CITY ENGINEER.
- 33) FINAL ADJUSTMENT AND GROUTING OF THE SANITARY SEWER MANHOLE RINGS SHALL BE DONE BY THE PAVING CONTRACTOR.
- 34) SPECIAL INSPECTION IS REQUIRED FOR SOIL COMPACTION, WATER LINE, STORM DRAIN, BASE MATERIAL, AND ASPHALT.
- 35) UPON COMPLETION, THE ENGINEER SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE LEWISTON CITY ENGINEER.
- 36) THE SWPPP AND "NOI" SHALL BE POSTED ON SITE AT ALL TIMES.

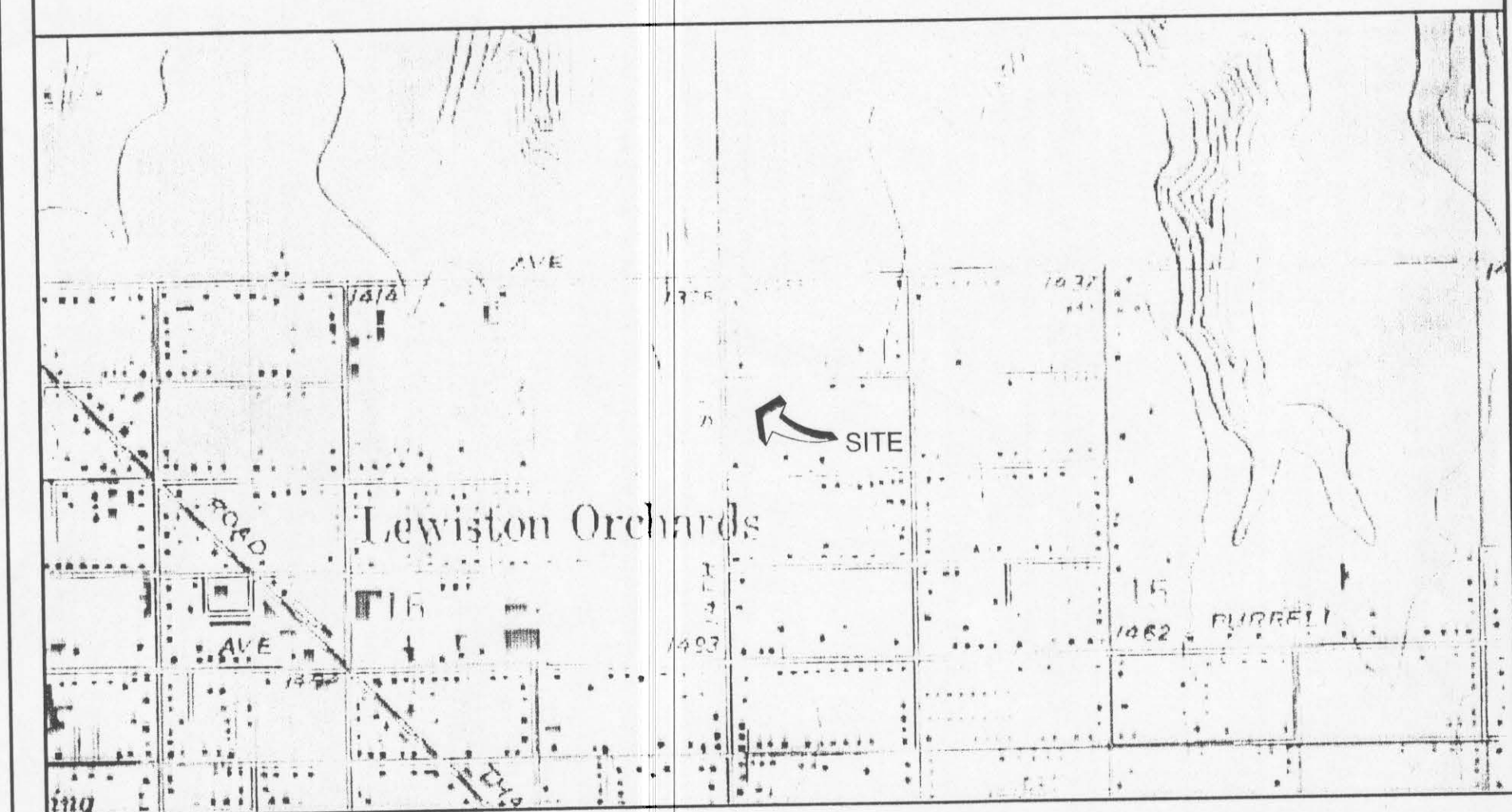
### LEGEND

| PROPOSED |  |       |                              |
|----------|--|-------|------------------------------|
| XXX      | PROPOSED CONTOUR                           | XXX   | EXISTING CONTOUR             |
| XXX      | PROPOSED GRADE                             | (XXX) | EXISTING GRADE               |
| ●        | PROPOSED MONUMENT                          | ●     | EXISTING MONUMENT            |
| ---      | PROPOSED A.C.                              | ---   | EASEMENT                     |
| W        | PROPOSED WATER                             | W     | EXISTING WATER               |
| O/P      | OVERHEAD POWER                             | O/P   | OVERHEAD POWER               |
| ---      | LOT LINE                                   | ---   | LOT LINE                     |
| ---      | PROPERTY LINE                              | ---   | PROPERTY LINE                |
| ---      | CENTER LINE OF STREET                      | ---   | CENTER LINE OF STREET        |
| ~~~~~    | SILT FENCE                                 | ~~~~~ | FND. 1/2" REBAR LS#14485     |
| ●        | SET 5/8" x 30" LONG REBAR W/CAP "LS 10162" | □     | EXISTING STORM DRAIN MANHOLE |
| ⊙        | PROPOSED STORM DRAIN MANHOLE               | □     | EXISTING CATCH BASIN         |
| ■        | PROPOSED CATCH BASIN                       | △     | EXISTING GATE VALVE          |
| ▲        | PROPOSED GATE VALVE                        | ▲     | EXISTING THRUST BLOCK        |
| ●        | PROPOSED THRUST BLOCK                      | ●     | PROPOSED FIRE HYDRANT        |
| ●        | PROPOSED FIRE HYDRANT                      | ●     | PROPOSED WATER METER         |
| ●        | PROPOSED WATER METER                       | ←○    | UTILITY POLE AND ANCHOR      |
| ←○       | UTILITY POLE AND ANCHOR                    | ////  | EXISTING A.C.                |
| ---      | PROPOSED A.C.                              |       |                              |
| ---      | WATER LINE FITTINGS                        |       |                              |

### AGENCY TELEPHONE NUMBERS

|  |                |
|--|----------------|
| CITY OF LEWISTON ENGINEERING DEPARTMENT<br>CONTACT: SHAWN STUBBERS | (208) 746 1316 |
| CITY OF LEWISTON COMMUNITY DEVELOPMENT<br>CONTACT: JUAN CABALLERO  | (208) 746 1319 |
| AVISTA UTILITIES<br>CONTACT: BILL SPEARS                           | (208)-798-1472 |
| L.O.I.D.   | (208) 746 8235 |
| QWEST CORPORATION<br>CONTACT: KIM BIGGS                            | (208) 798-0607 |
| CABLE ONE<br>CONTACT: LESS SHRIVER                                 | (208) 746 3325 |
| UNDERGROUND UTILITY LOCATE<br>(CALL 48 HOURS BEFORE YOU DIG)       | 1-800-342-1585 |
| DEVELOPER:<br>TOM HILL<br>3527 6th Street<br>LEWISTON, IDAHO 83501 | (208) 305 3644 |
| CONTACT: TOM HILL  |                |

### VICINITY



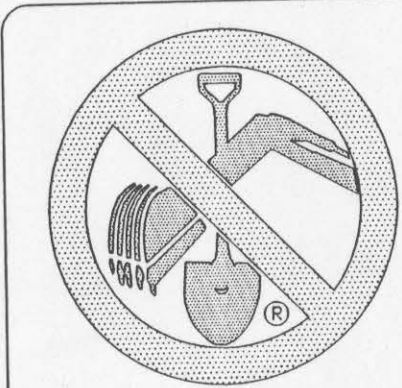
### INSPECTION ITEMS

| ITEM  | INSPECTOR/CO.                                | DATE INSPECTED | INITIAL |
|---|--|----------------|---------|
| 1. SOILS: COMPACTION<br>- TRENCH BACKFILLING<br>- STRUCTURAL FILLS  | WW ENGINEERING<br>**                         |                |         |
| 2. WATER MAINS<br>- ALIGNMENT AND GRADE<br>- JOINTS ALIGNMENT<br>- THRUST BLOCKS<br>- HYDROSTATIC PRESSURE<br>- CHLORINATION/BACTERIA | WW ENGINEERING<br>**<br>**<br>**<br>L.O.I.D. |                |         |
| 3. STORM DRAIN MAINS<br>- ALIGNMENT AND GRADE<br>- JOINTS ALIGNMENT<br>- MANHOLES   | WW ENGINEERING<br>**<br>**                   |                |         |
| 3. ROAD<br>- SUBGRADE COMPACTION<br>- BASE COMPACTION<br>- ASPHALT COMPACTION   | WW ENGINEERING<br>**<br>**                   |                |         |

NOTE: SPECIAL INSPECTIONS TO BE COORDINATED BY CONTRACTOR AND PERFORMED BY THE COMPANIES LISTED ABOVE. 24 HOUR NOTICE TO THESE COMPANIES IS REQUIRED PRIOR TO INSPECTION.

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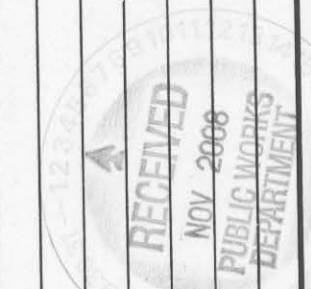


CALL  
TWO WORKING DAYS  
BEFORE YOU DIG  
1 800 424 5555

| REV. # | DATE | DESCRIPTION |
|--------|------|-------------|
|        |      |             |
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REVISIONS

NO. BY DATE



CIVIL ENGINEERING  
PLANNING  
DESIGN  
RESIDENTIAL & COMMERCIAL DEV  
WATER & SEWER SYSTEM DESIGN  
ROAD DESIGN  
ENVIRONMENTAL SERVICES  
PHONE (509) 780 9725

WARREN WATTS ENGINEERING

HILLVIEW ADDITION #2

TOM HILL

3525 6TH STREET  
LEWISTON, ID 83501

COVER

|                        |                    |
|------------------------|--------------------|
| DRAWN BY:<br>WSW       | CHECKED BY:<br>WSW |
| DESIGNED BY:<br>WSW    |                    |
| DATE:<br>04/28/08      |                    |
| LAST REV:<br>10/30/08  |                    |
| PROJECT NO.:<br>08-032 |                    |
| SHEET 1                | OF 1               |