

PLANS FOR  
 ESPARANZA HILLS SUB. AND  
 ESPARANZA HILLS TWO SUB.  
 WATER LINE AND ACCESS RD.

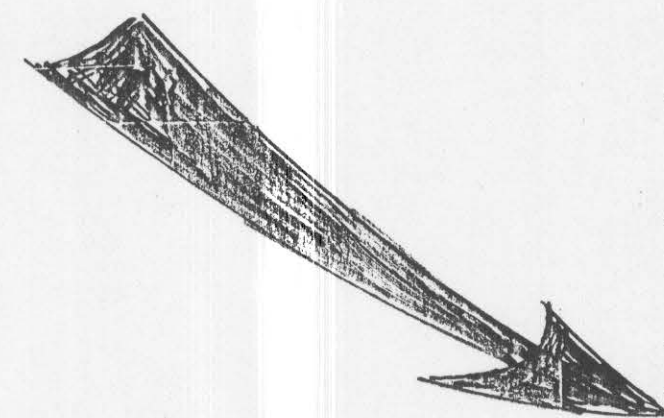
LOCATED IN THE SW1/4NW1/4  
 SECTION 13 AND THE NE1/4SE1/4,  
 E 1/2NE1/4 OF SECTION 14,  
 TOWNSHIP 35 NORTH, RANGE  
 6 WEST, BOISE MERIDIAN,  
 NEZ PERCE COUNTY, IDAHO,  
 CITY OF LEWISTON,

TABLE OF CONTENT - PLANS  
 SHEET NO,

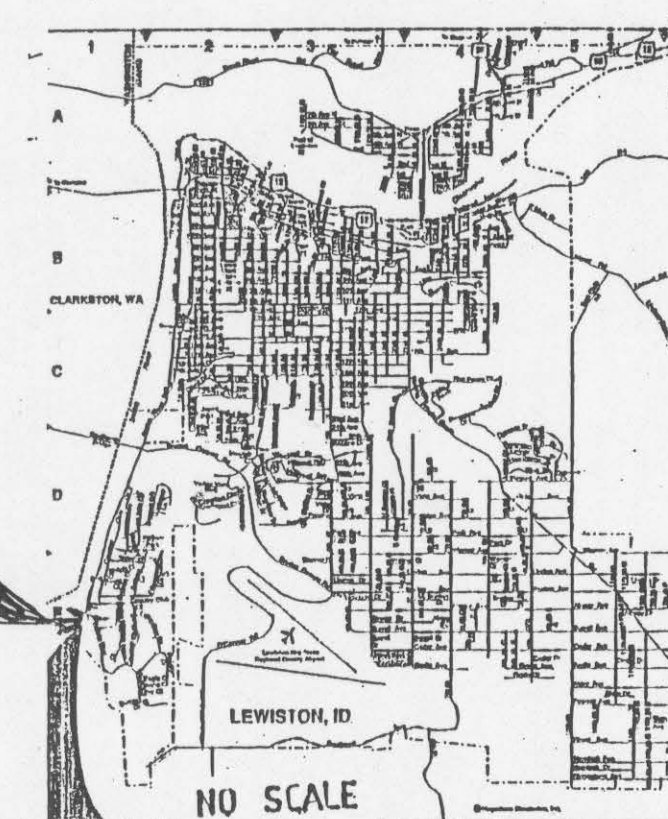
1. WATER LINE & ROAD PLAN
2. WATER LINE
3. RECORD OF SURVEY PLAT  
& GRADING - SWPP PLAN
4. TYPICAL DRAWINGS

5

SUBDIVISION  
 SITE



VICINITY MAP



OWNER :  
 GARY AND JEANNE MEDLEY  
 194 MARINE VIEW DRIVE  
 LEWISTON, IDAHO 83501  
 AND  
 COREY AND ROBIN MEDLEY  
 H. C. 11, BOX 73F  
 KAMIAH, IDAHO 83536

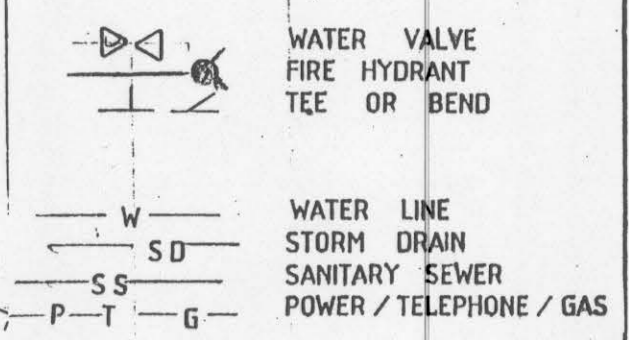
ENGINEER :  
 W. W. ENGINEERING  
 3435 CLEMANS ROAD  
 CLARKSTON, WASHINGTON, 99403  
 PH : ( 509 ) 243 - 4003



RECEIVED  
 JUL 30 2007  
 ENGINEERING DEPT.  
 COPY  
 RELOCATE  
 WATER LINE  
 0000 ESPARANZA HILLS  
 18000081



WATER LINE LEGEND



LEGEND

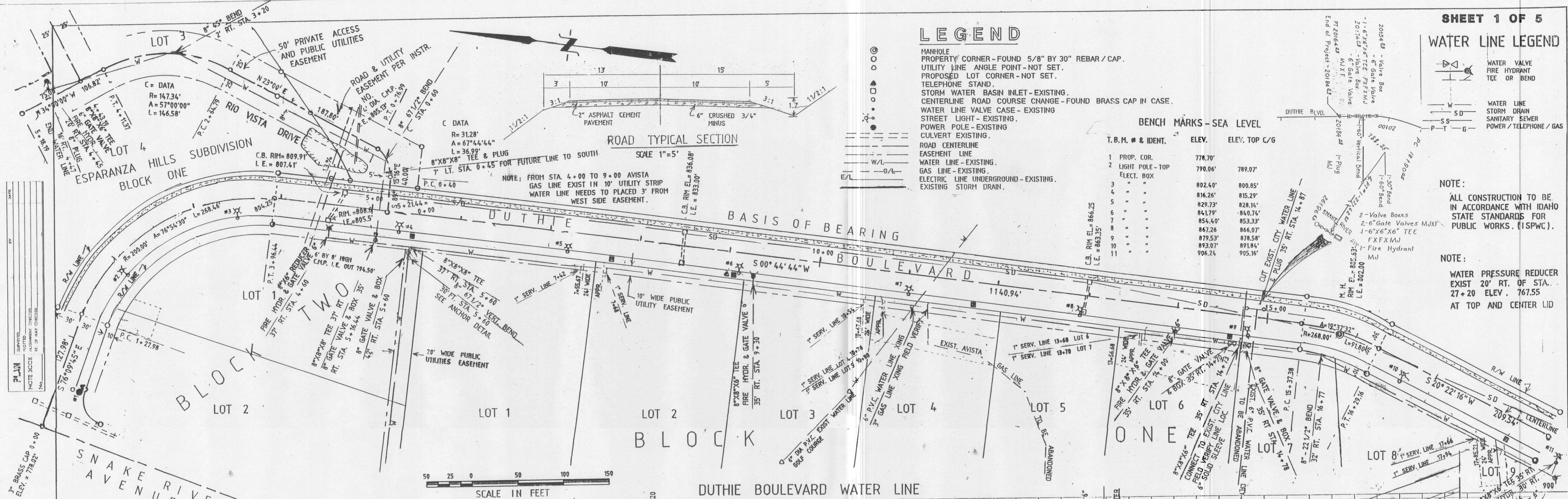
MANHOLE PROPERTY CORNER - FOUND 5/8" BY 30" REBAR / CAP.  
 UTILITY LINE ANGLE POINT - NOT SET.  
 PROPOSED LOT CORNER - NOT SET.  
 TELEPHONE STAND.  
 STORM WATER BASIN INLET - EXISTING.  
 CENTERLINE ROAD COURSE CHANGE - FOUND BRASS CAP IN CASE.  
 WATER LINE VALVE CASE - EXISTING  
 STREET LIGHT - EXISTING.  
 POWER POLE - EXISTING  
 CULVERT EXISTING.  
 ROAD EXISTING.  
 ROAD CENTERLINE  
 EASEMENT LINE  
 WATER LINE - EXISTING.  
 GAS LINE - EXISTING.  
 ELECTRIC LINE UNDERGROUND - EXISTING.  
 EXISTING STORM DRAIN.

BENCH MARKS - SEA LEVEL

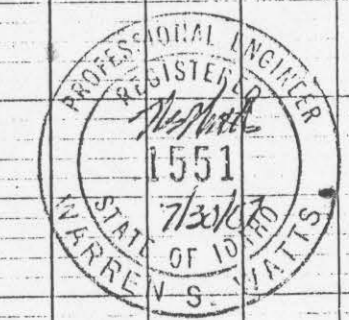
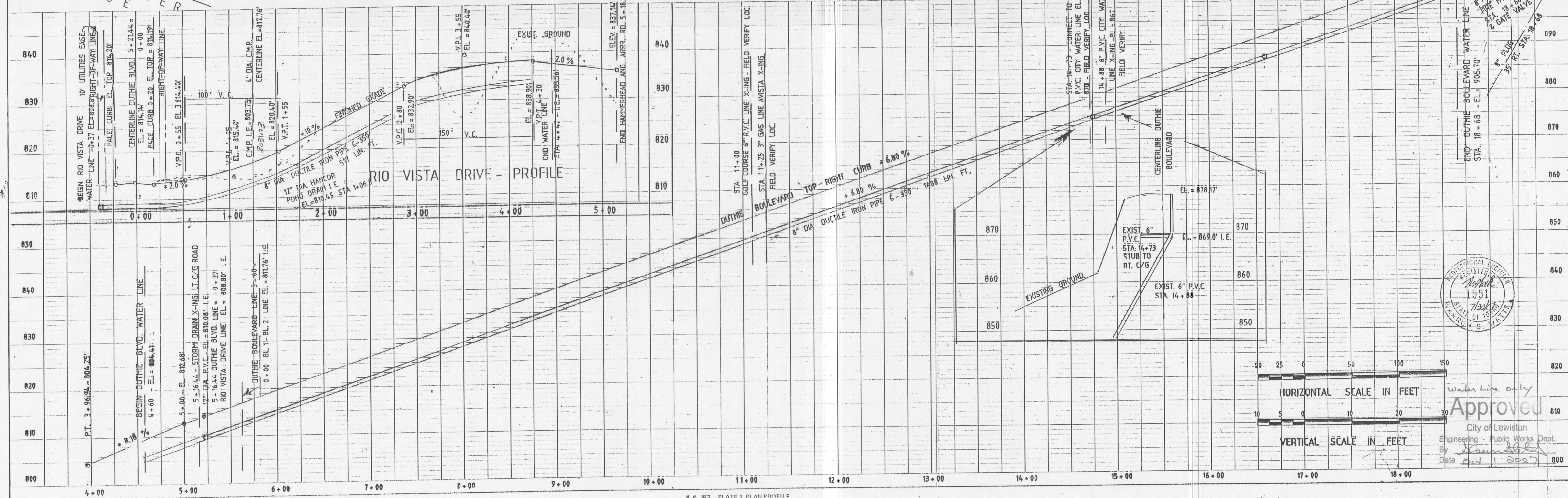
| T.B.M. # & IDENT.             | ELEV.   | ELEV. TOP C/G |
|-------------------------------|---------|---------------|
| 1 PROP. COR.                  | 778.70' |               |
| 2 LIGHT POLE - TOP ELECT. BOX | 790.06' | 789.07'       |
| 3                             | 802.40' | 800.85'       |
| 4                             | 816.26' | 815.29'       |
| 5                             | 829.73' | 828.14'       |
| 6                             | 841.79' | 840.74'       |
| 7                             | 854.40' | 853.33'       |
| 8                             | 867.26' | 866.07'       |
| 9                             | 879.53' | 878.58'       |
| 10                            | 893.07' | 891.84'       |
| 11                            | 906.24' | 905.16'       |

NOTE:  
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH IDAHO STATE STANDARDS FOR PUBLIC WORKS. (ISPW).

NOTE:  
 WATER PRESSURE REDUCER EXIST 20' RT. OF STA. 27+20 ELEV. 767.55 AT TOP AND CENTER LID



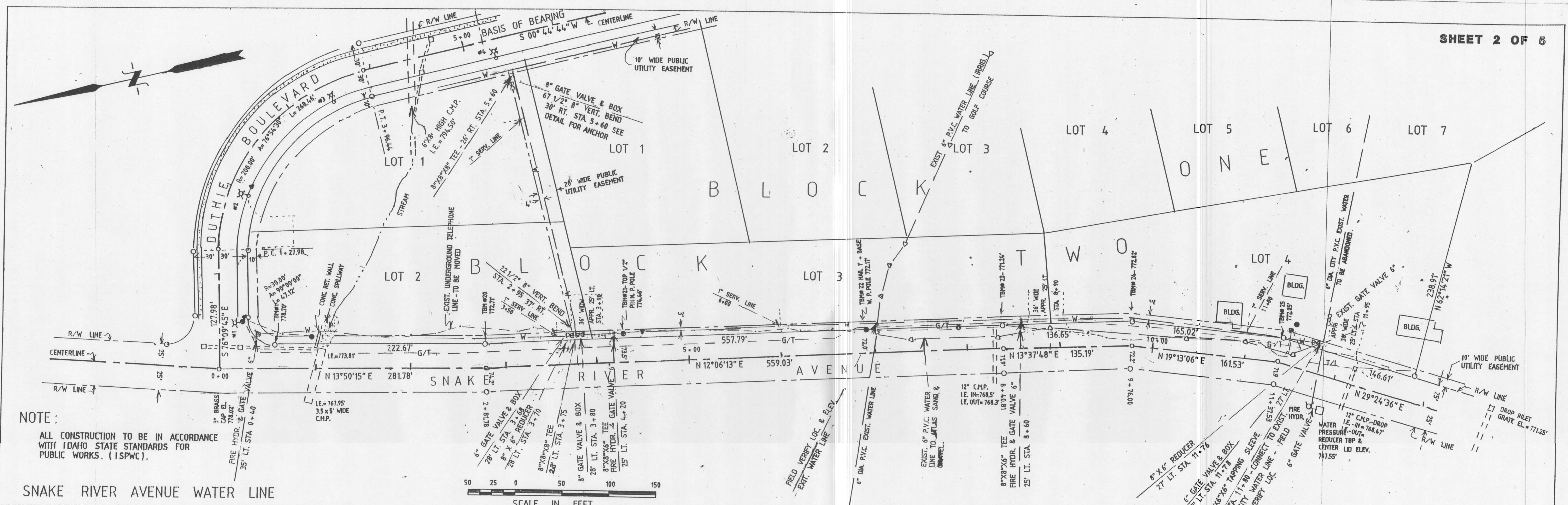
DUTHIE BOULEVARD WATER LINE



HORIZONTAL SCALE IN FEET  
 VERTICAL SCALE IN FEET

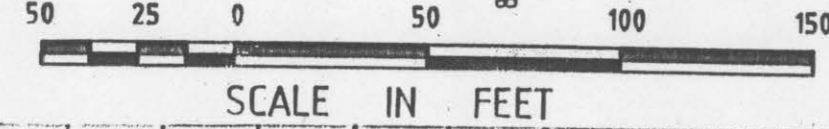
Approved  
 City of Lewiston  
 Engineering - Public Works Dept.  
 By [Signature]  
 Date Oct 1 2007





NOTE:  
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH IDAHO STATE STANDARDS FOR PUBLIC WORKS. (ISPWC).

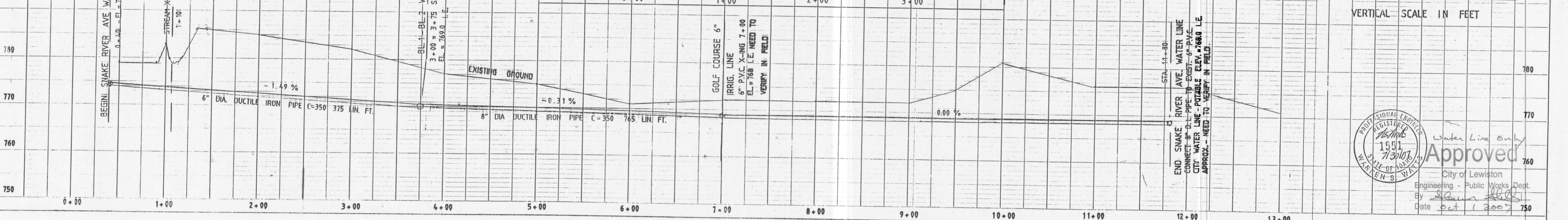
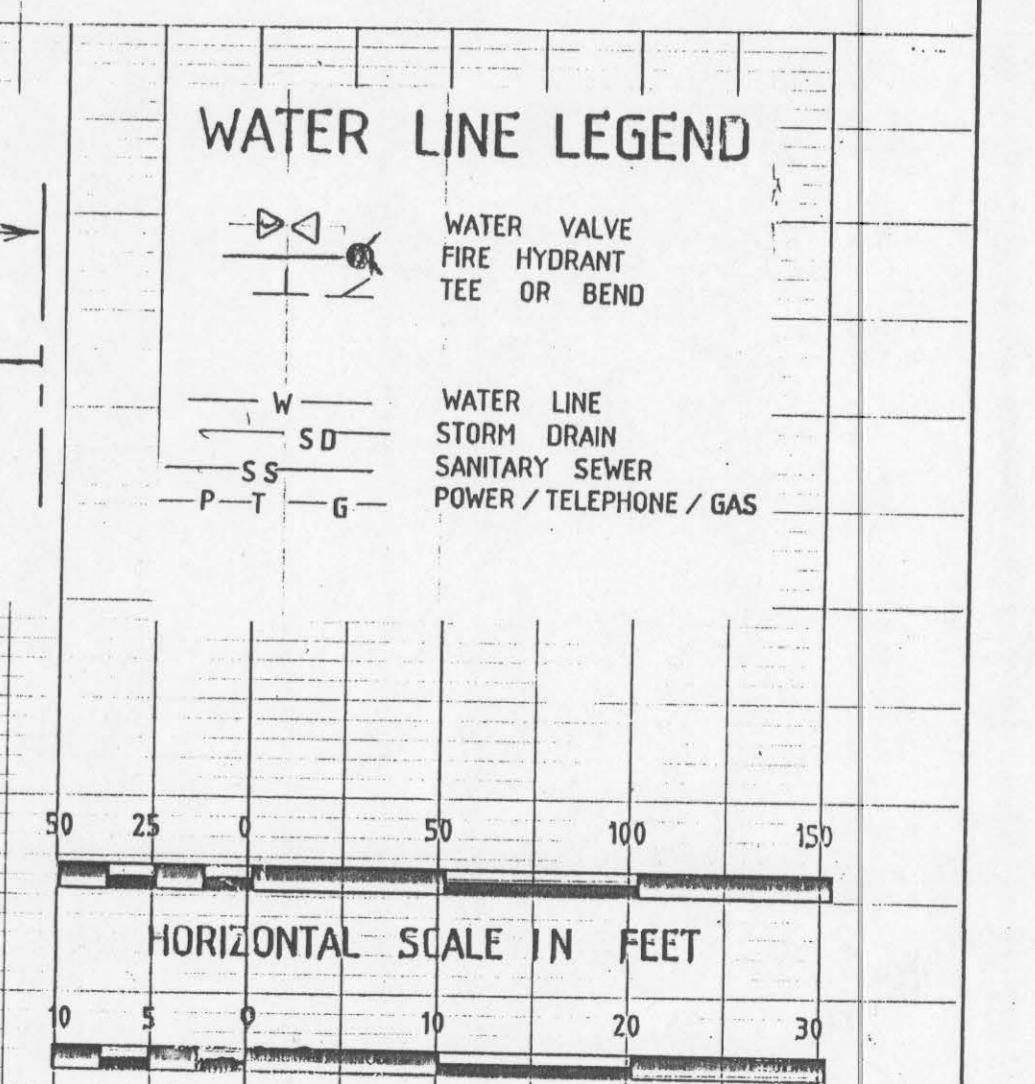
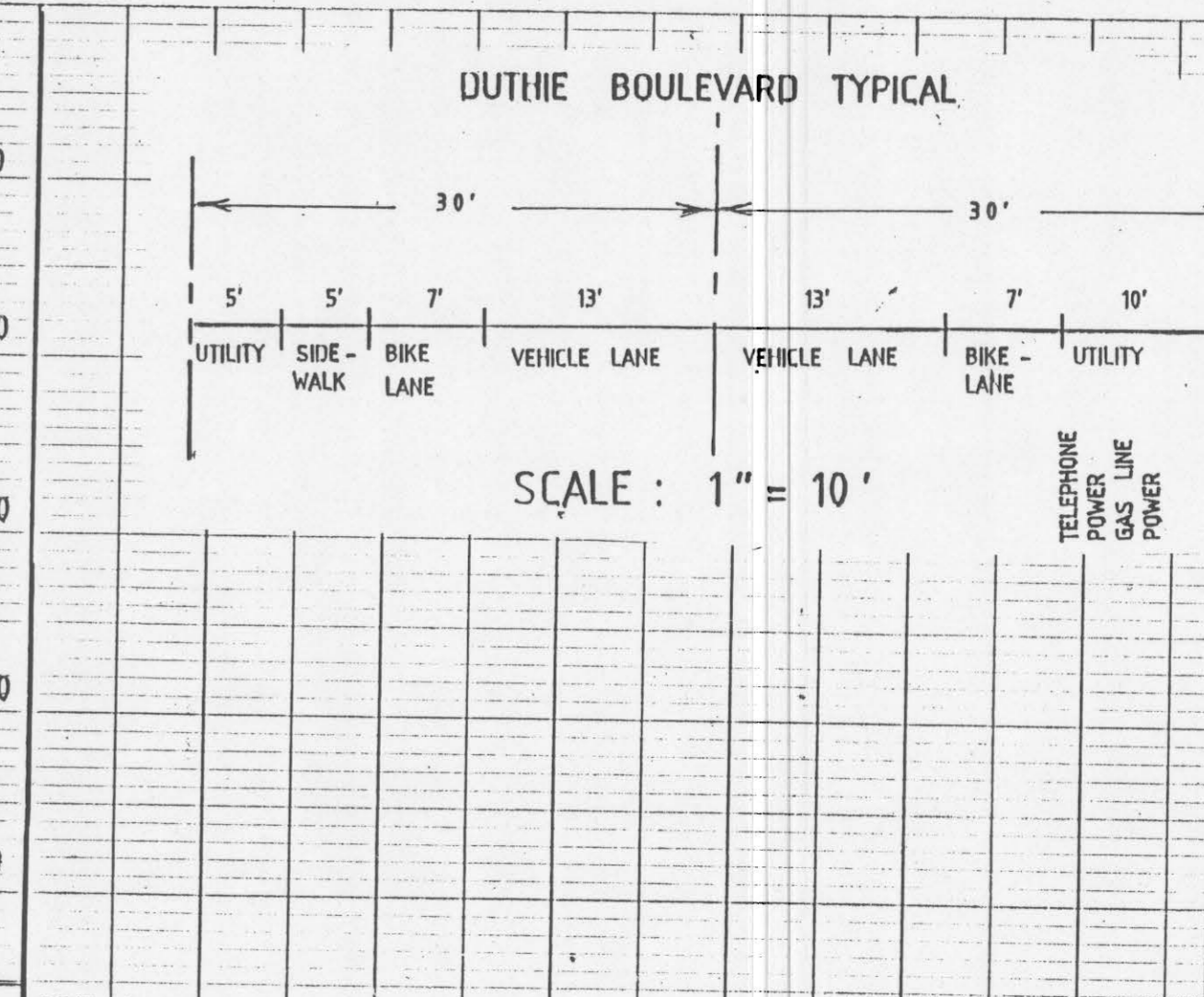
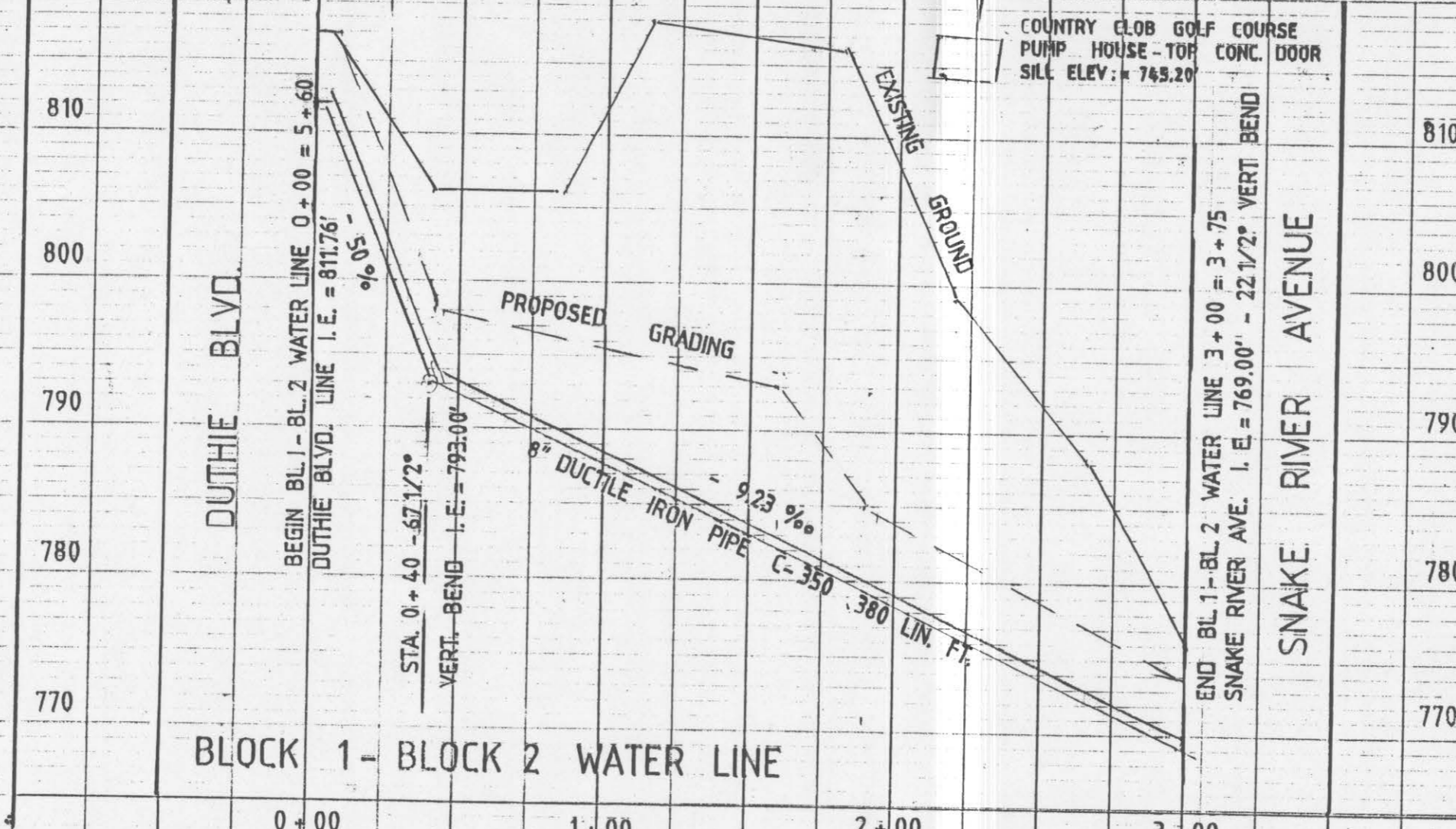
SNAKE RIVER AVENUE WATER LINE



LEGEND

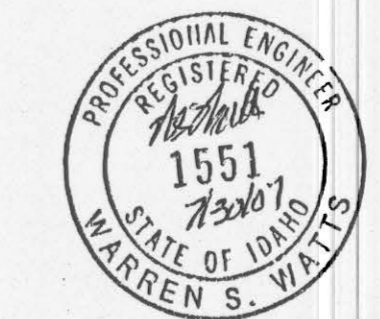
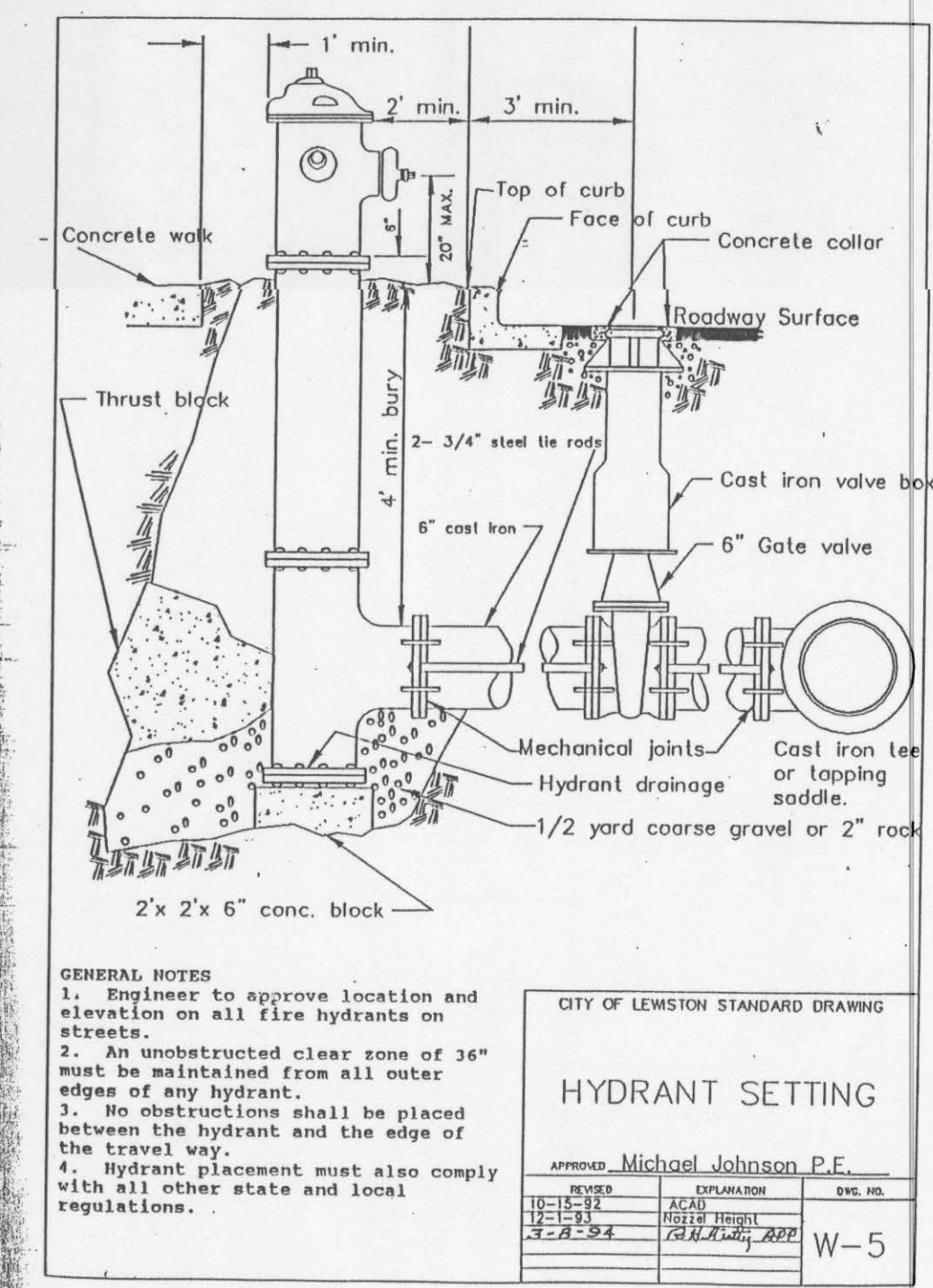
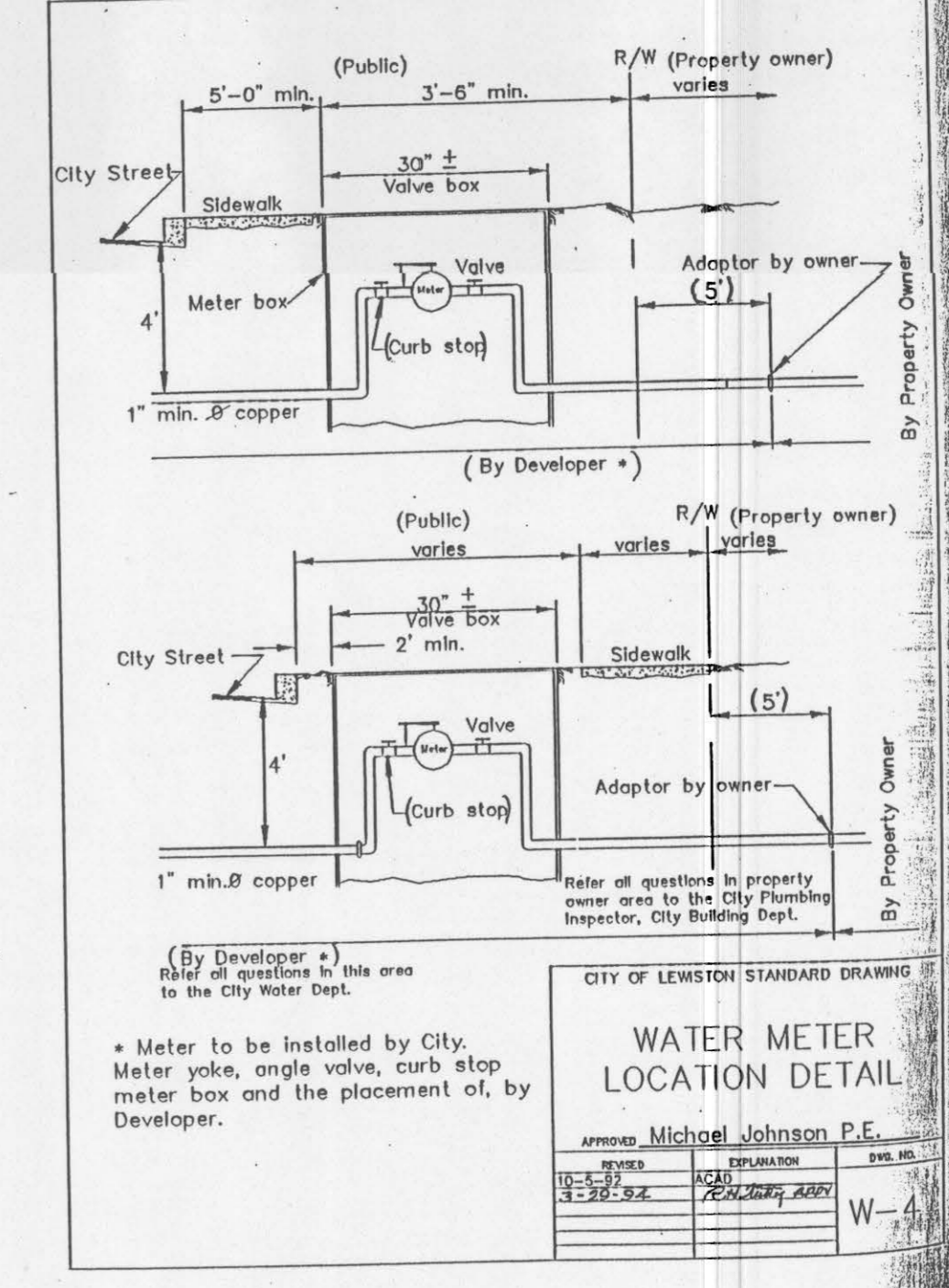
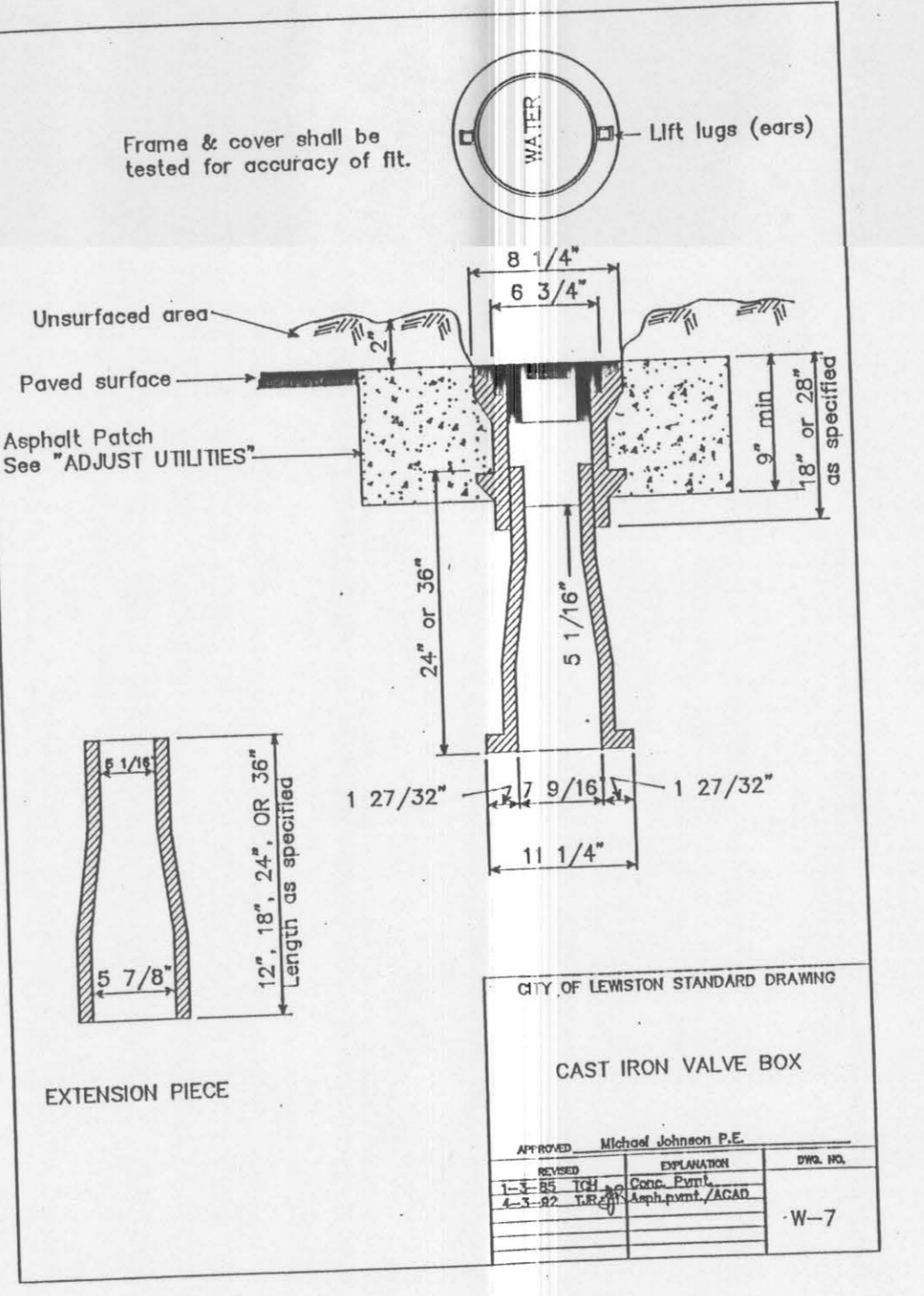
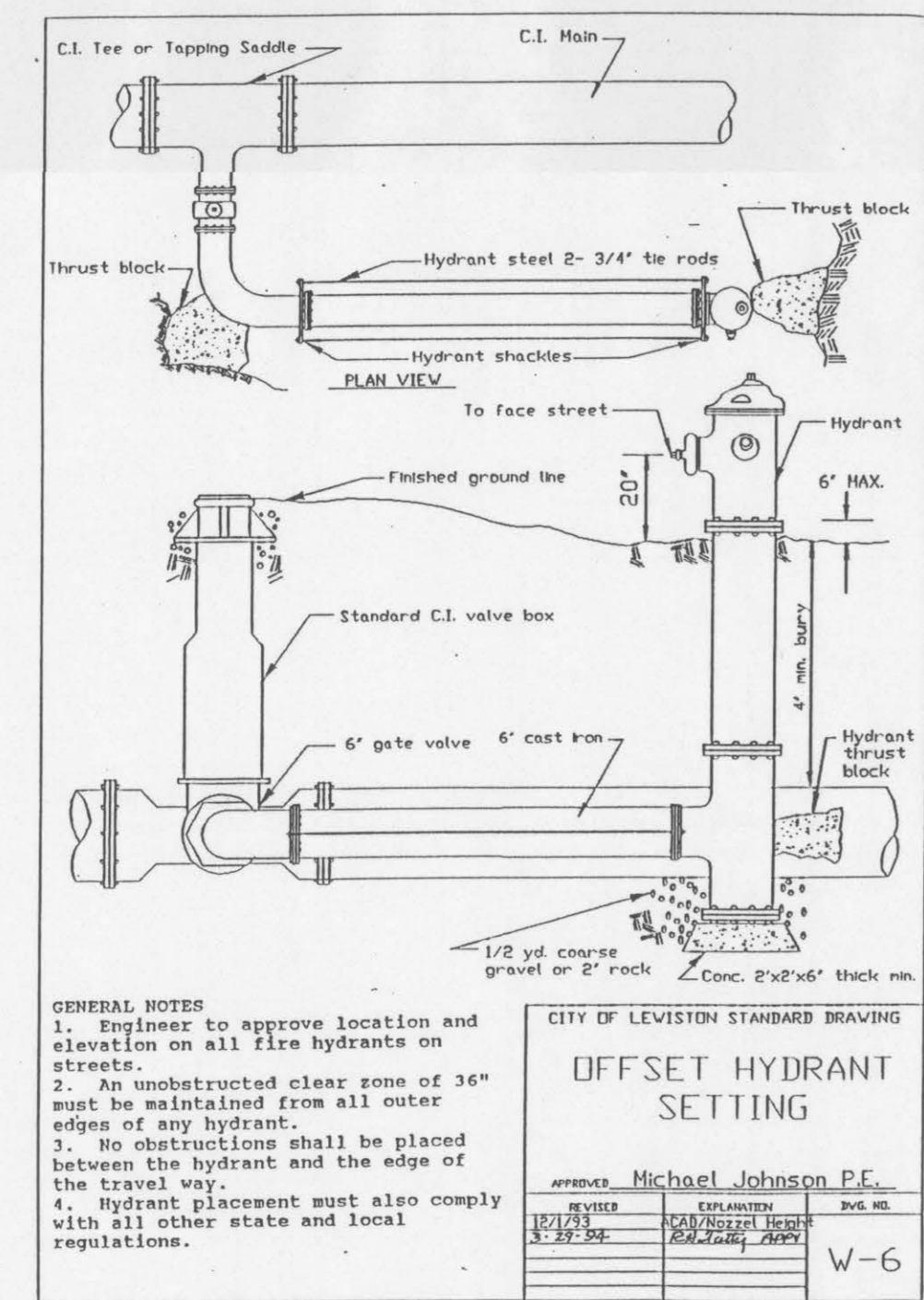
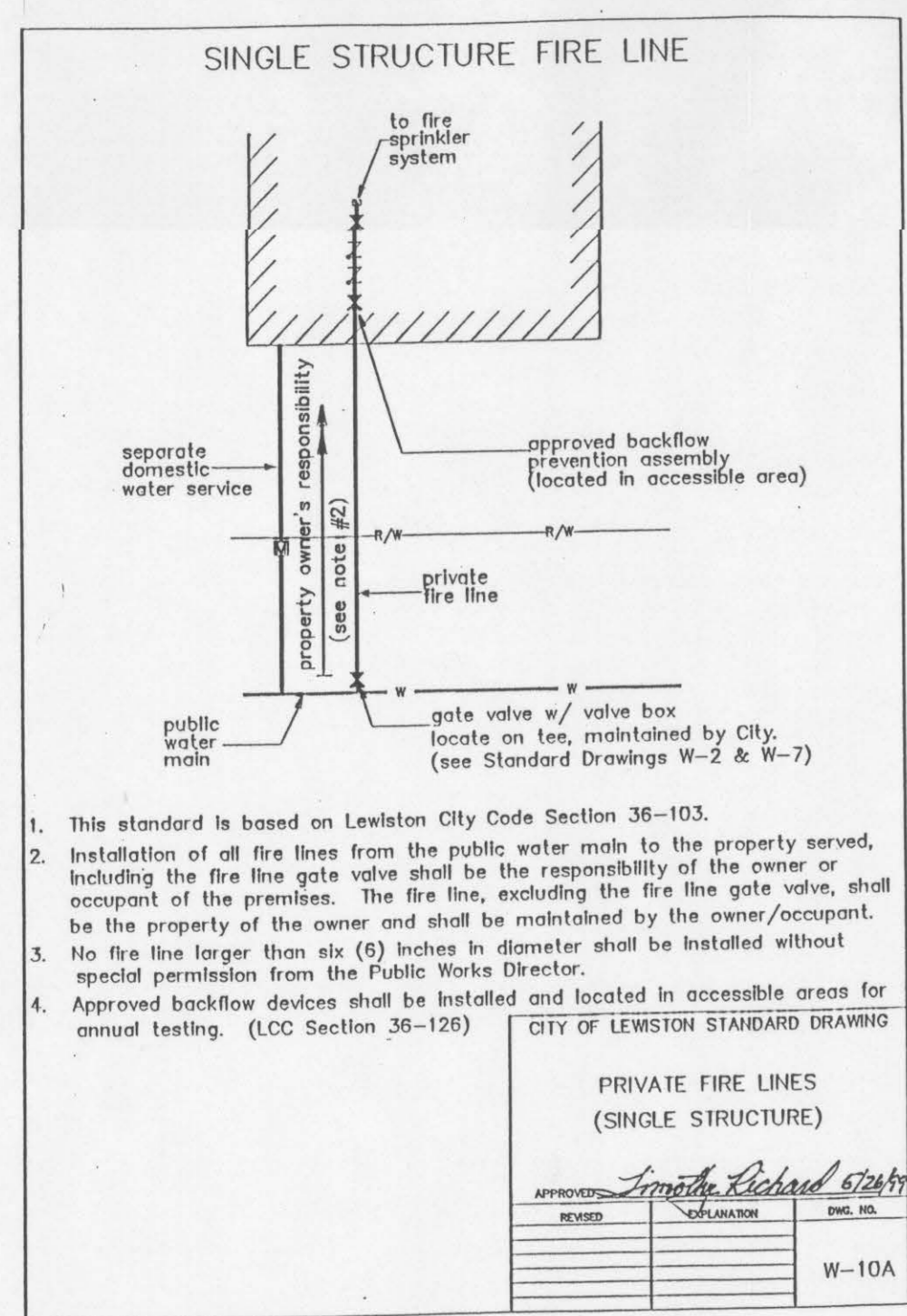
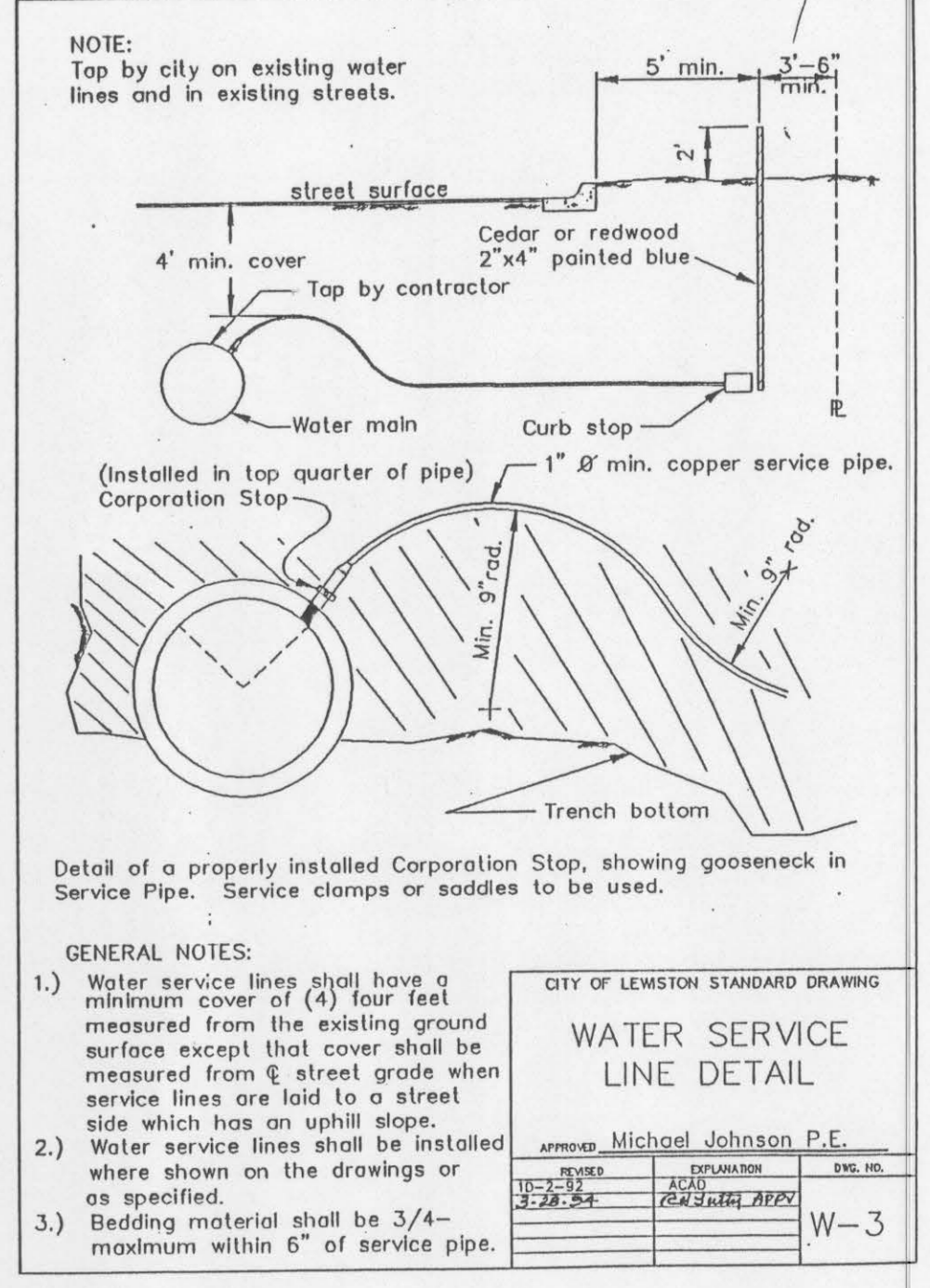
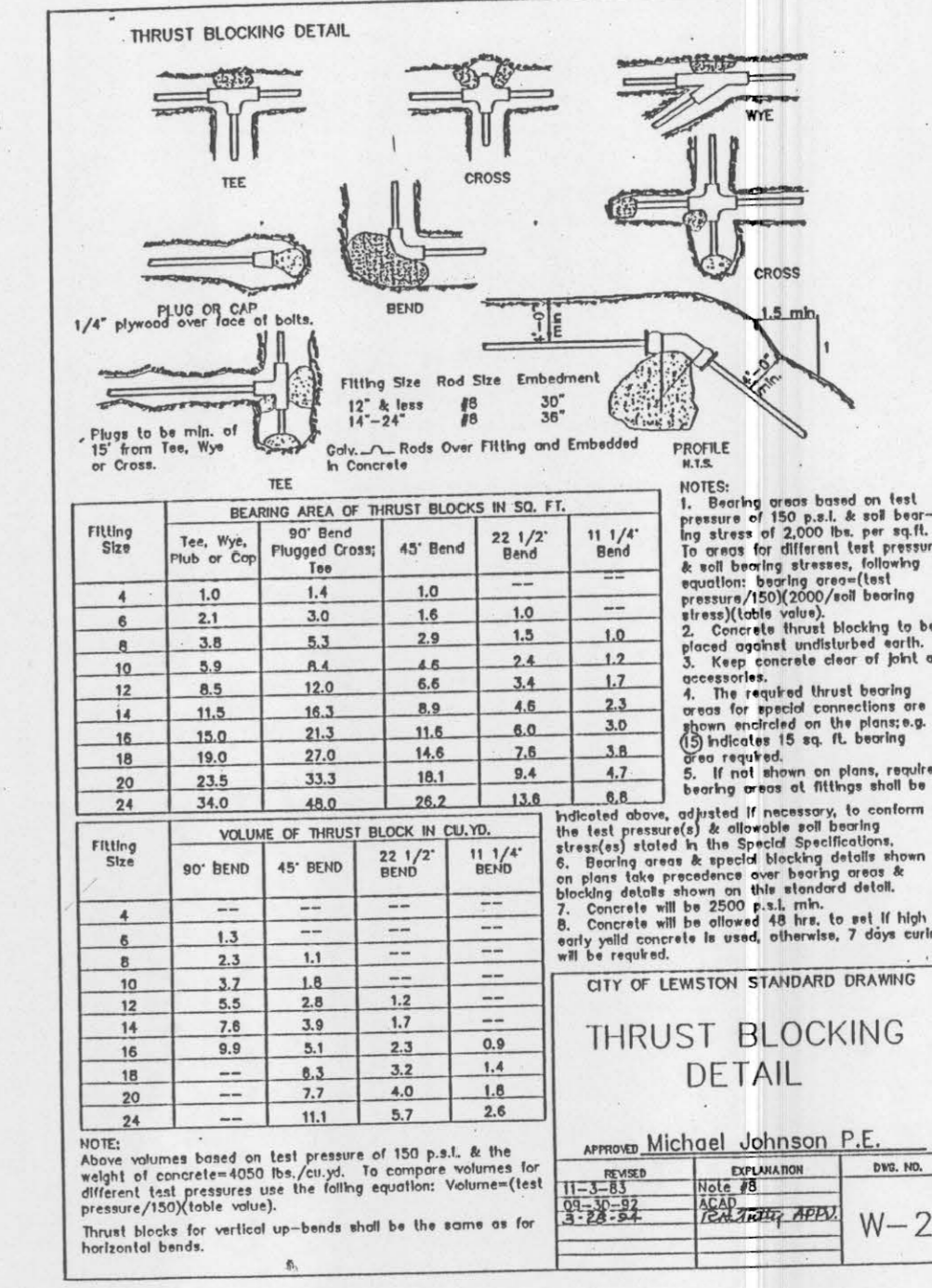
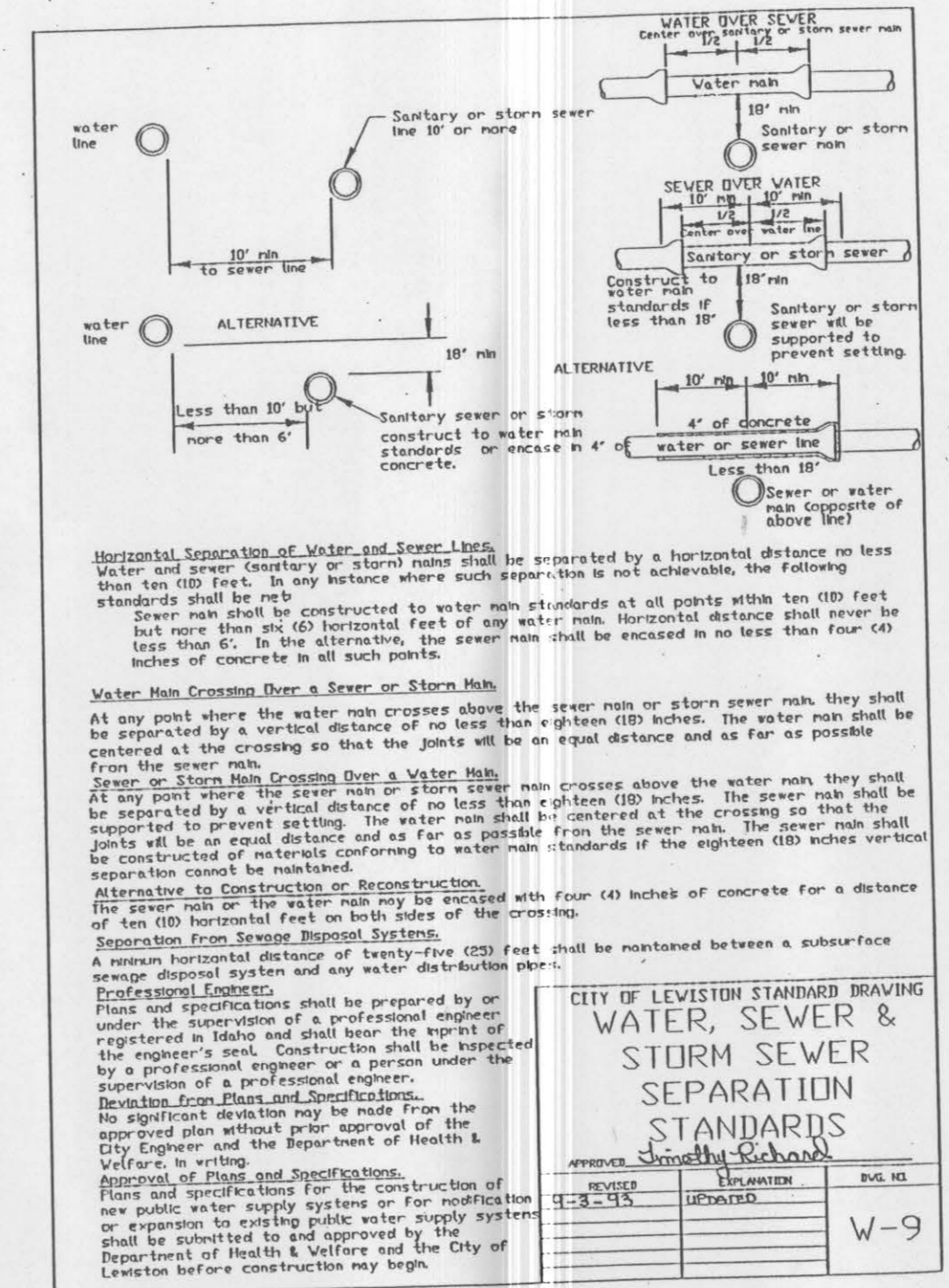
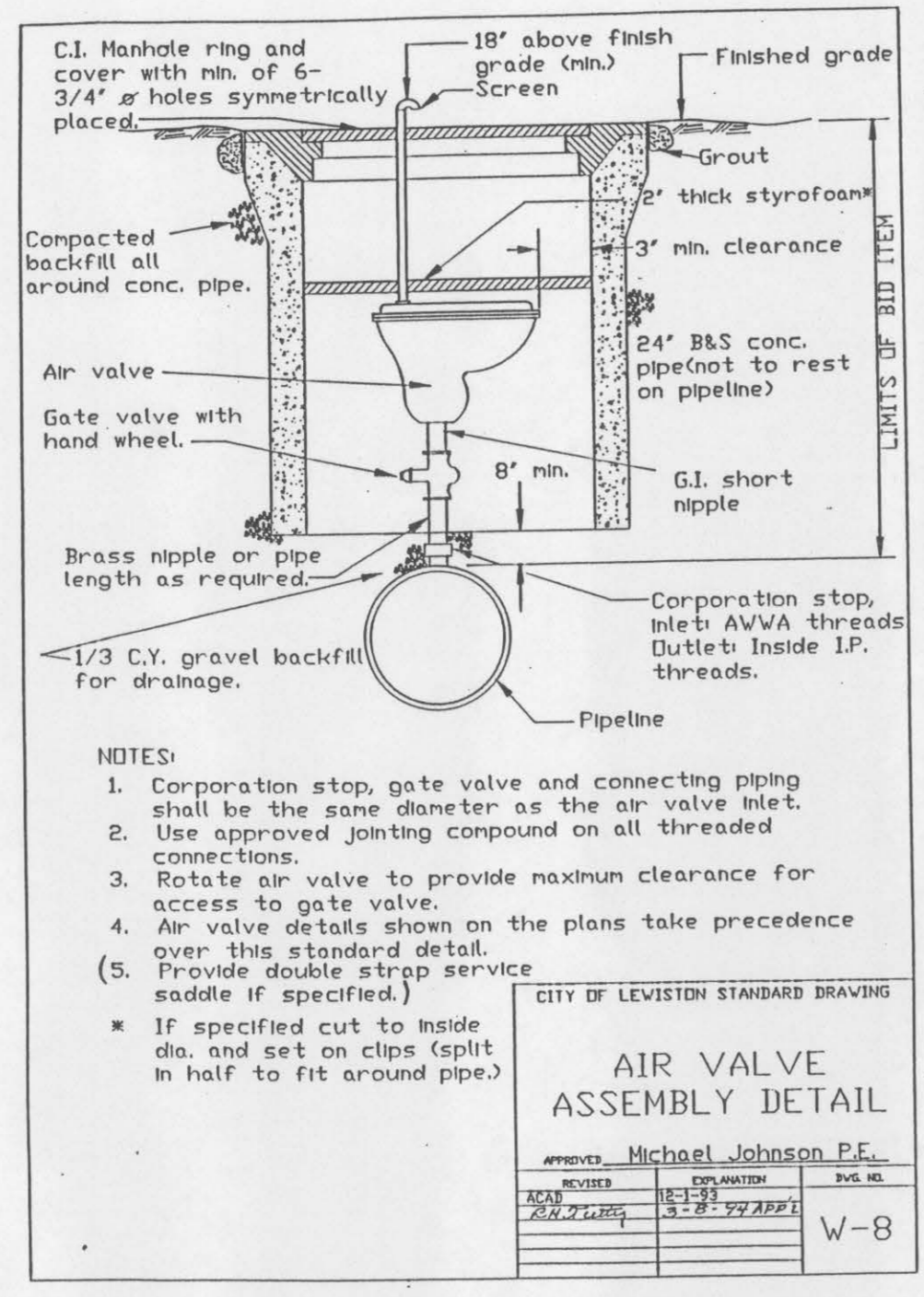
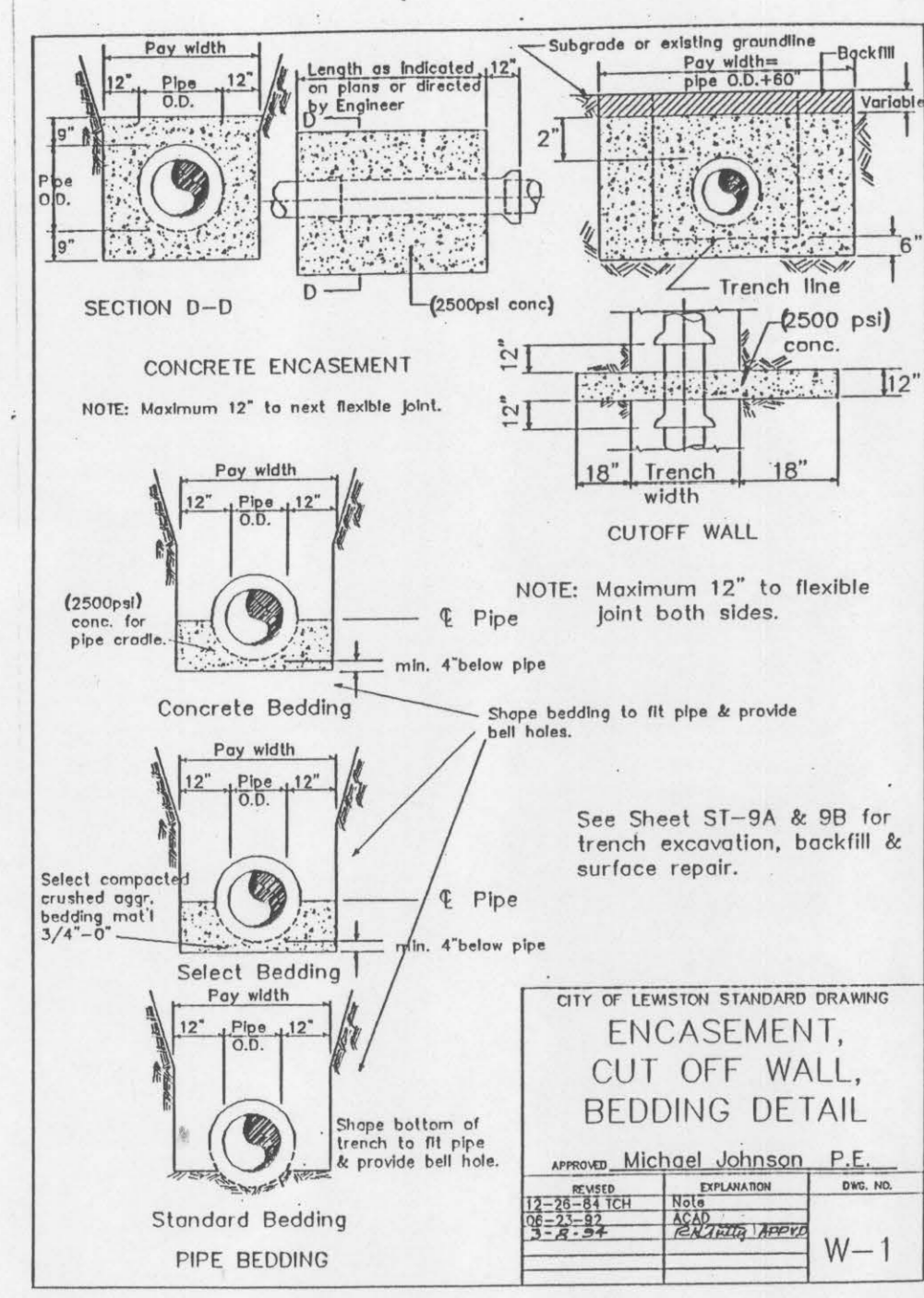
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- STREET LIGHT - EXISTING.
- POWER POLE - EXISTING
- CULVERT EXISTING.
- ROAD CENTERLINE
- EASEMENT LINE
- W/L WATER LINE - EXISTING.
- G/L GAS LINE - EXISTING.
- E/L ELECTRIC LINE UNDERGROUND - EXISTING.
- EXISTING STORM DRAIN.

| BENCH MARKS - SEA LEVEL       |         |               |
|-------------------------------|---------|---------------|
| T.B.M. # & IDENT.             | ELEV.   | ELEV. TOP C/G |
| 1 PROP. COR.                  | 778.70' |               |
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| 3 " " "                       | 802.40' | 800.85'       |
| 4 " " "                       | 816.26' | 815.29'       |
| 5 " " "                       | 829.73' | 828.14'       |
| 6 " " "                       | 841.79' | 840.74'       |
| 7 " " "                       | 854.40' | 853.33'       |
| 8 " " "                       | 867.26' | 866.07'       |
| 9 " " "                       | 879.53' | 878.58'       |
| 10 " " "                      | 893.07' | 891.84'       |
| 11 " " "                      | 906.24' | 905.16'       |



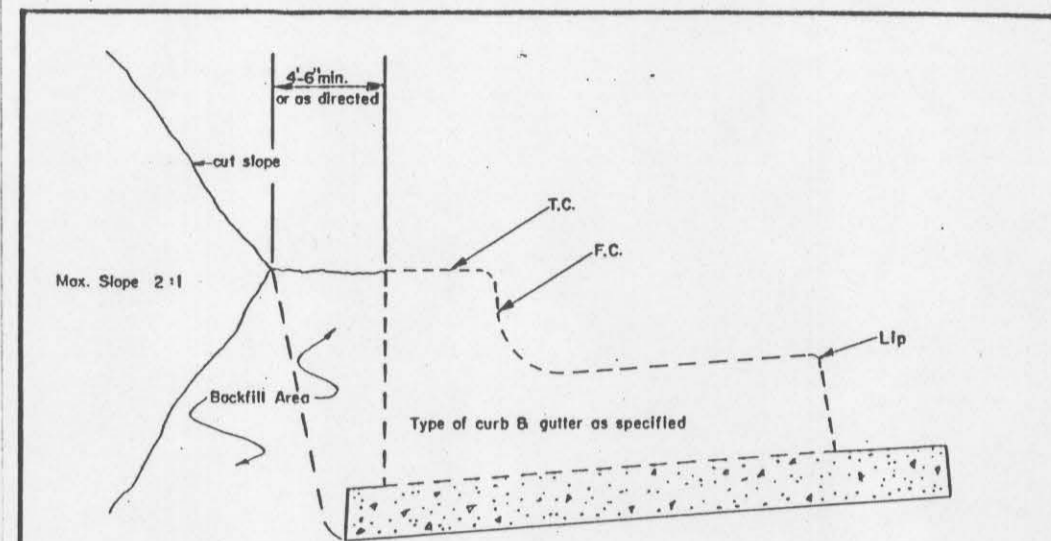
PROFESSIONAL ENGINEER  
1551  
Water Line Only  
**Approved**  
City of Lewiston  
Engineering - Public Works Dept.  
By *[Signature]*  
Date Oct 1 2007





Water Line Only  
**Approved**  
City of Lewiston  
Engineering - Public Works Dept.  
By *[Signature]*  
Date *Oct 1 2007*





- GENERAL NOTES** for all types of curb & gutter.
1. Line and grade staked to T.C. - (top of curb) and F.C. (face of curb) or lip of gutter.
  2. Grade and alignment to be approved by the Public Works Dept.
  3. The tolerance for finished curb, horizontal and vertical variance, is not to exceed 0.02' from line and grade as shown on plans.
  4. Base will be 6" of 3/4 crushed gravel compacted to 95% max. dry density & to be placed in 6" lifts for all fill or backfill areas. No rock is needed under curb and gutter in cut areas.
  5. Concrete will be 3000 psi.
  6. Dummy joint at 10 ft. intervals, 3/16 inch deep, construction joints as directed by Engineer.
  7. Name of contractor and year to be stamped at each end of work and at intervals of 100 feet. Bench mark bolt to be set in top of curb in radius when supplied and requested by the Public Works Dept.
  8. The contractor may be required by the Public Works Dept. to mark stubouts and valves in the uncurbed concrete. The City will provide the necessary tools.
  9. Inspection: The contractor or owner shall notify the Public Works Dept. for inspection of the base material after the forms are set, and the Public Works Dept. will be notified no less than 18 hours before placement of concrete for a "final" inspection.

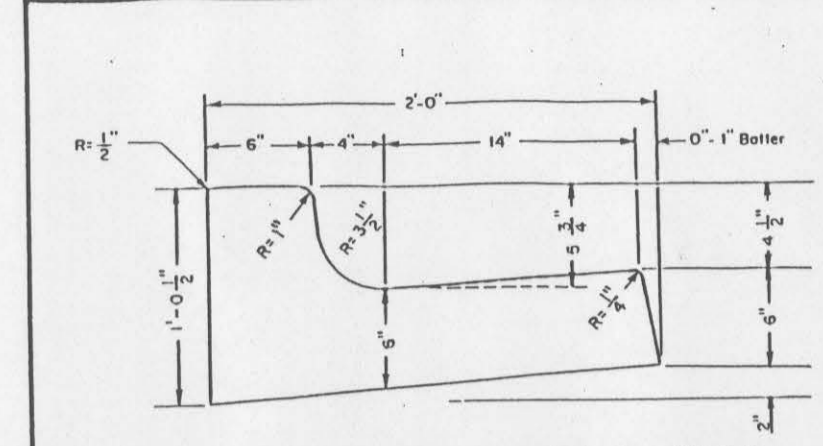
Secure a permit for construction, before beginning construction in public right-of-way.

CITY OF LEWISTON STANDARD DRAWING

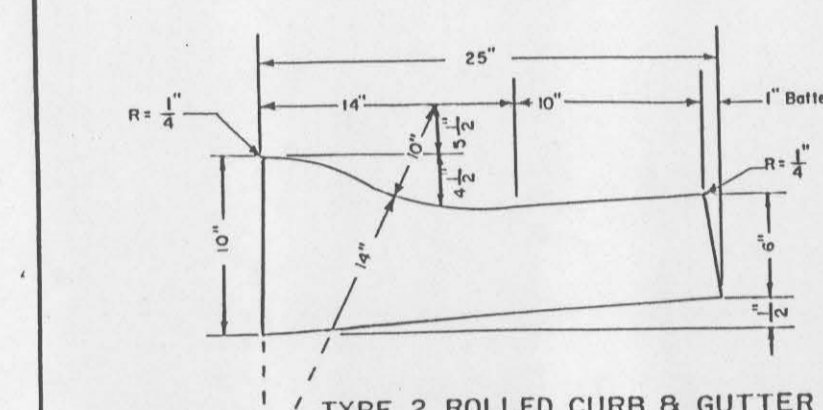
**CURB & GUTTER CONSTRUCTION REQUIREMENTS**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-1A



TYPE 1 HIGH BACK CURB & GUTTER



TYPE 2 ROLLED CURB & GUTTER

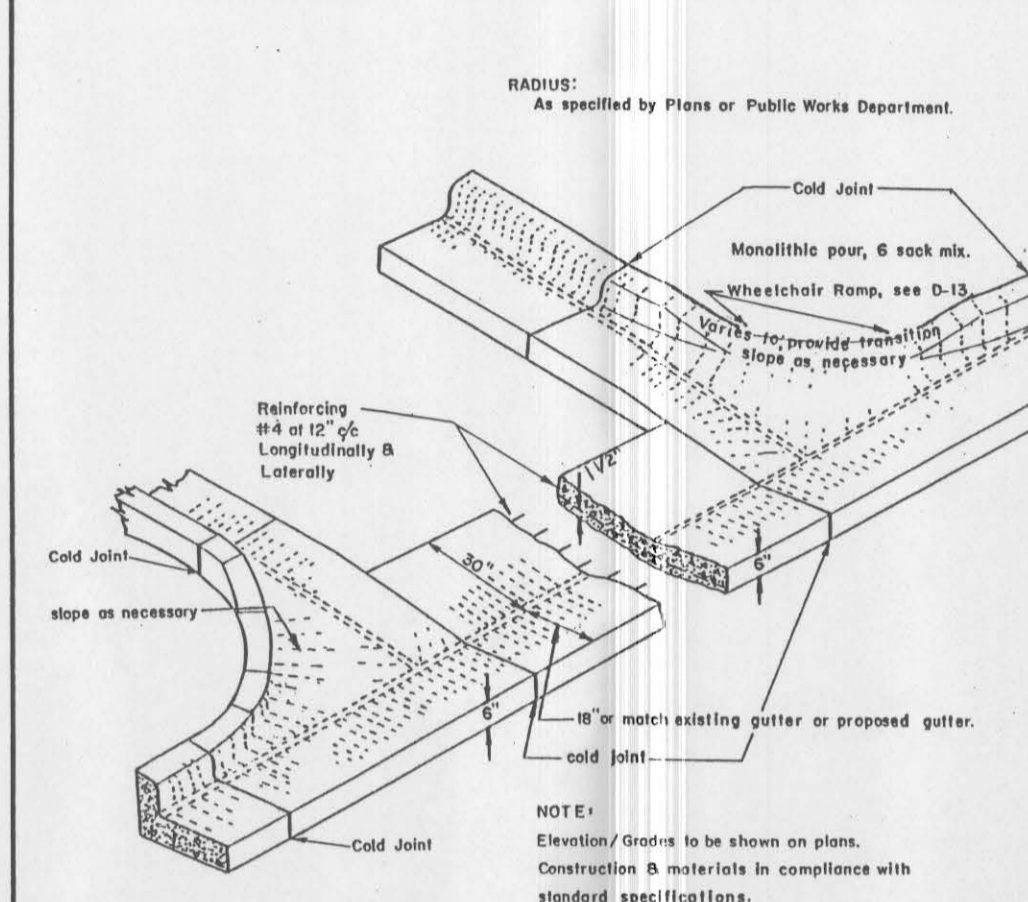
NOTE: Type 2 rolled curb and gutter shall only be installed with approval of Public Works Department.

CITY OF LEWISTON STANDARD DRAWING

**CURB & GUTTER CONSTRUCTION REQUIREMENTS**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-1B



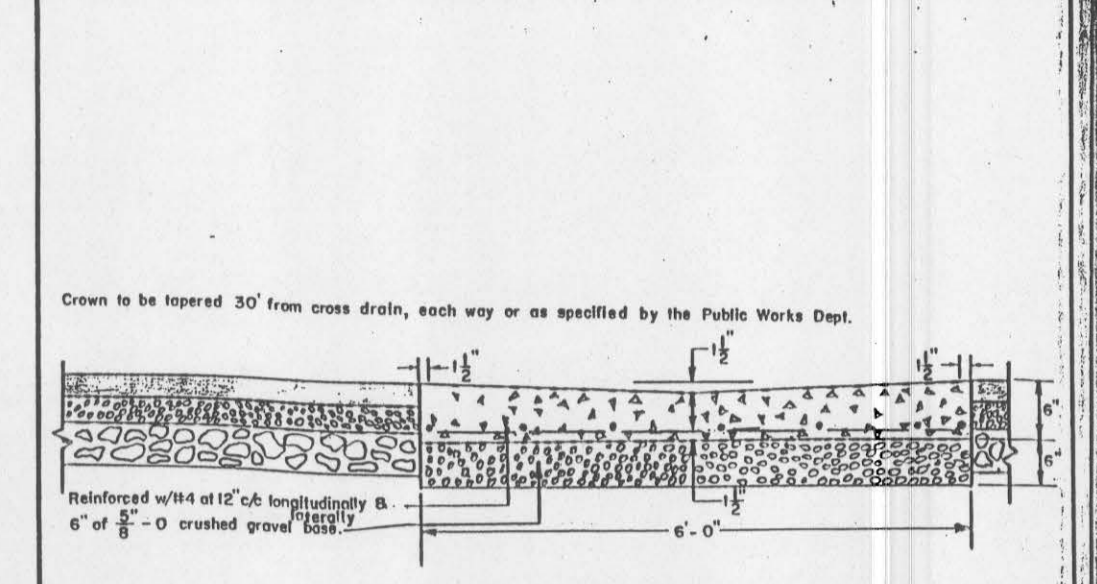
NOTE: Elevation/Grades to be shown on plans. Construction materials in compliance with standard specifications.

CITY OF LEWISTON STANDARD DRAWING

**INTERSECTION VALLEY GUTTER**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-2



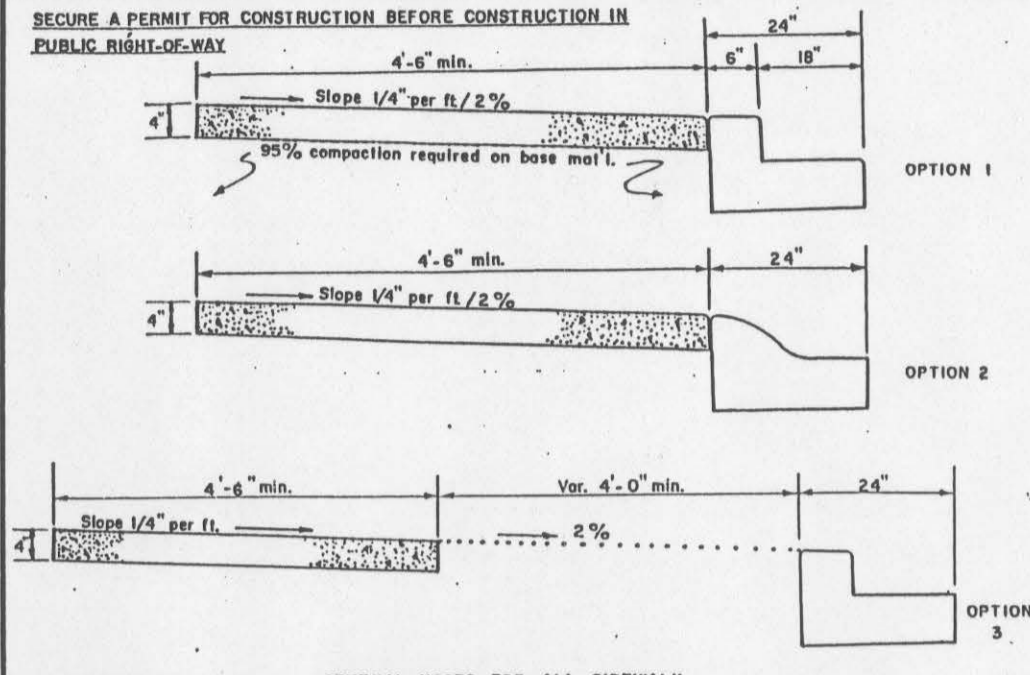
1. Location and grade as shown on plans.
2. Concrete to be 6 sack mix.

CITY OF LEWISTON STANDARD DRAWING

**NON-INTERSECTION VALLEY GUTTER**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-3



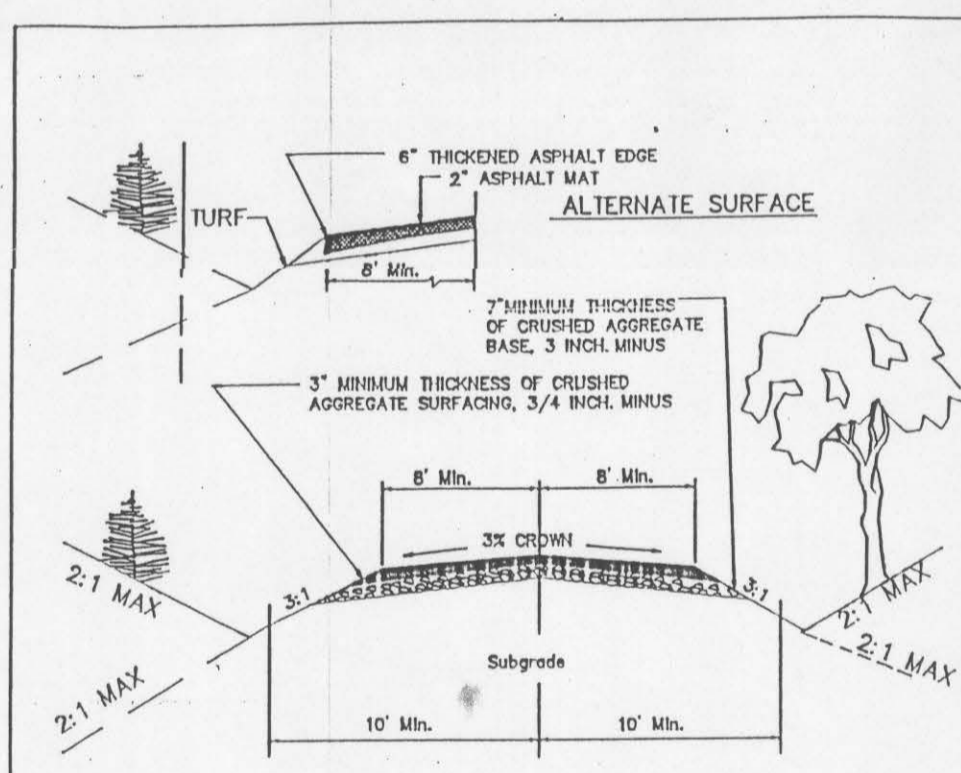
- GENERAL NOTES FOR ALL SIDEWALK**
1. Line and grade staked to T.C., top of sidewalk, B.S., back of sidewalk.
  2. Grade and alignment to be approved by the Public Works Department.
  3. The tolerance for finished sidewalk, horizontal and vertical variance is not to exceed 0.02' from line and grade as shown on plans.
  4. Base will be 6" of 3/4" crushed gravel compacted to 95% max. dry density and to be placed in 6" lifts for all fill or backfill areas. No rock is needed under sidewalk in cut areas.
  5. Dummy joints shall be placed at 5' or 10' intervals, 3/16" deep.
  6. Concrete will be 3000 psi.
  7. Name of Contractor and year to be stamped at each end of work and at intervals of 100 ft.
  8. The Contractor or Owner shall notify the Public Works Dept. for inspection of base mat'l after the forms are set and the Public Works Department will be notified no less than 18 hours before placement of concrete, for final inspection.
  9. See ST-5 for Driveway Entrances.
  10. Options 1 & 2 without planting strip with Public Works permission only.

CITY OF LEWISTON STANDARD DRAWING

**CONCRETE SIDEWALK**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-4



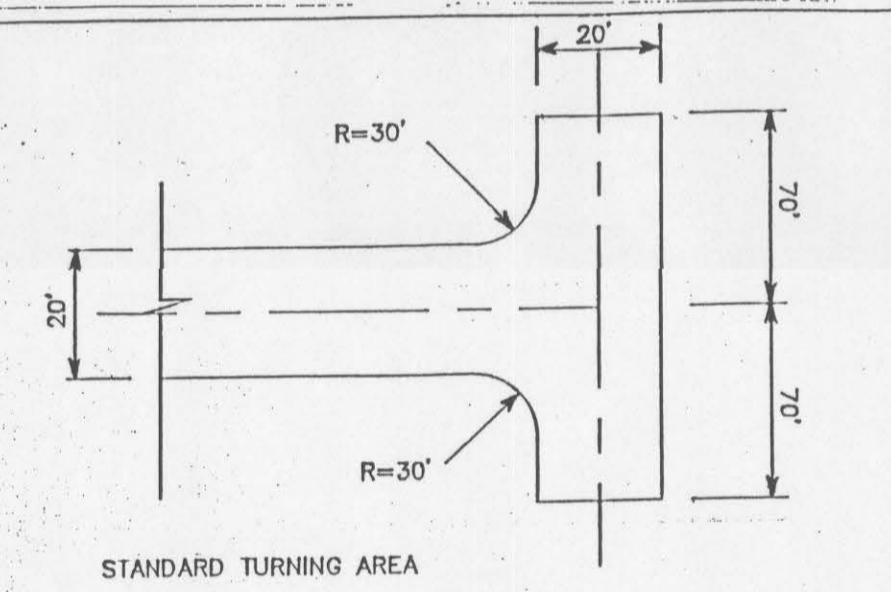
- Each layer of aggregate shall be compacted to 95% of the maximum density as determined by AASHTO 199-70, standard proctor test.
1. The necessary shall be a dead-end with no street to street through traffic allowed.
  2. A fire vehicle turn-around shall be provided at the end of the necessary. Turn-arounds shall be in accordance with City Standards. Alternative turn-arounds may be constructed in constrained topography with prior approval of the Public Works Director.
  3. Construction of the necessary shall not create drainage low spots or direct drainage onto adjoining properties.
  4. Reductions in the aggregate surface depth may be allowed if certified by a Professional Civil Engineer licensed to practice in Idaho.

CITY OF LEWISTON STANDARD DRAWING

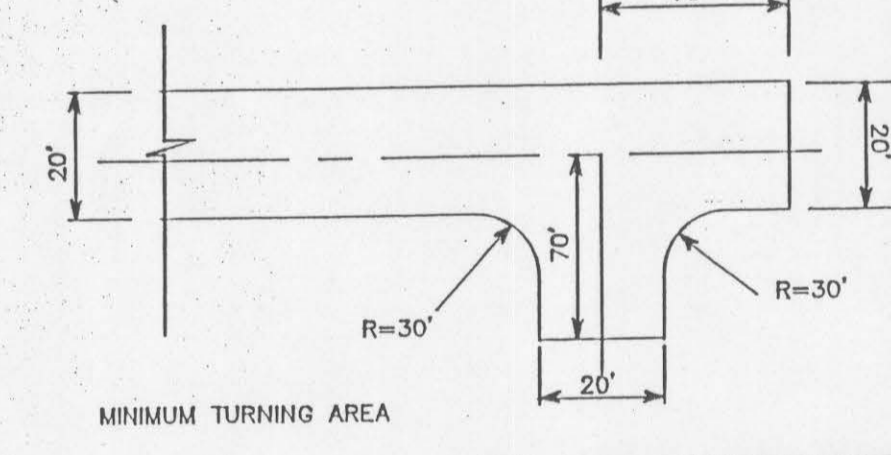
**ALL-WEATHER AGGREGATE SURFACE FIRE APPARATUS ACCESS ROAD**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

PA-1



STANDARD TURNING AREA



MINIMUM TURNING AREA

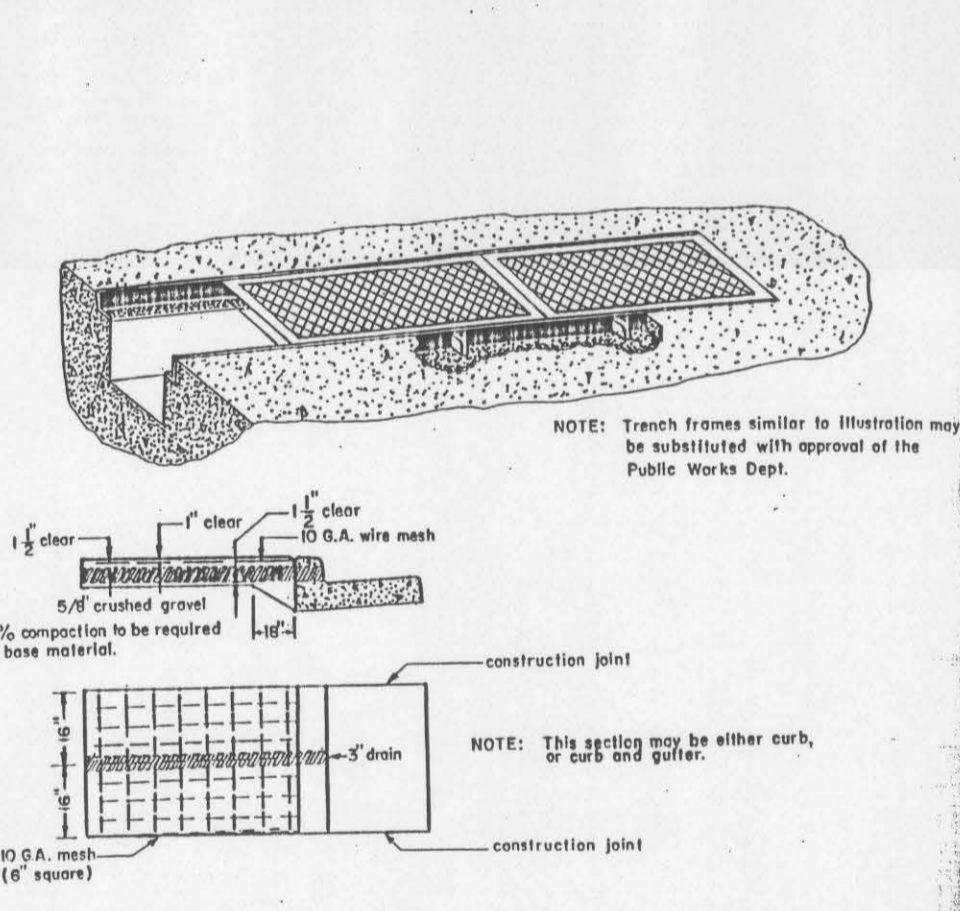
NOTE: 1. Residential use only.

CITY OF LEWISTON STANDARD DRAWING

**ALTERNATE TURN AROUND**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

PA-2A



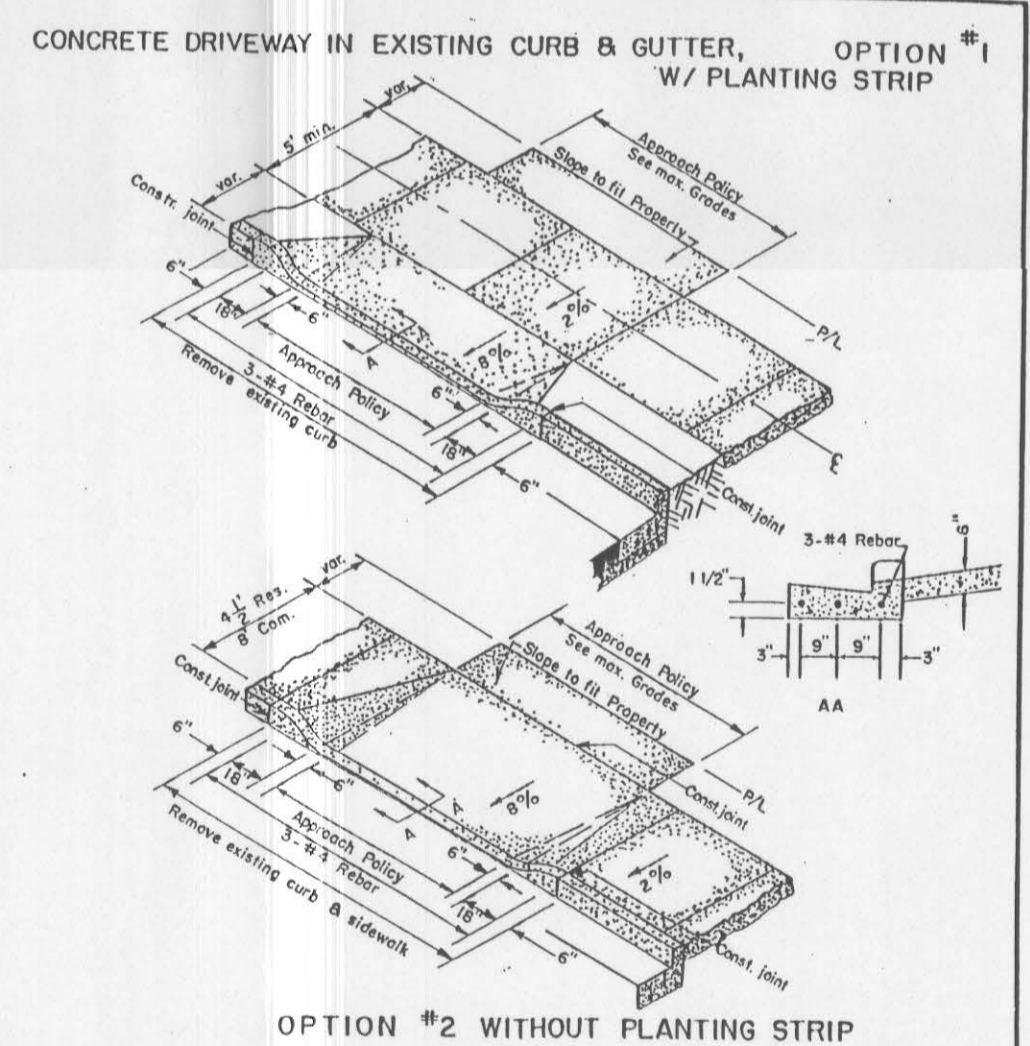
- GENERAL NOTES:**
- 1) Concrete shall be placed as shown or as directed by the Engineer.
  - 2) Concrete shall be 3000 psi.
  - 3) Permit and specifications to be obtained of Public Works Department.
  - 4) No obstructions will be allowed in the sidewalk without permission of the Public Works Department.
  - 5) Notify the Public Works Department no less than 18 hours prior to placing any concrete, for inspection purposes.

CITY OF LEWISTON STANDARD DRAWING

**SIDEWALK DRAIN DETAILS**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-1A



OPTION #2 WITHOUT PLANTING STRIP

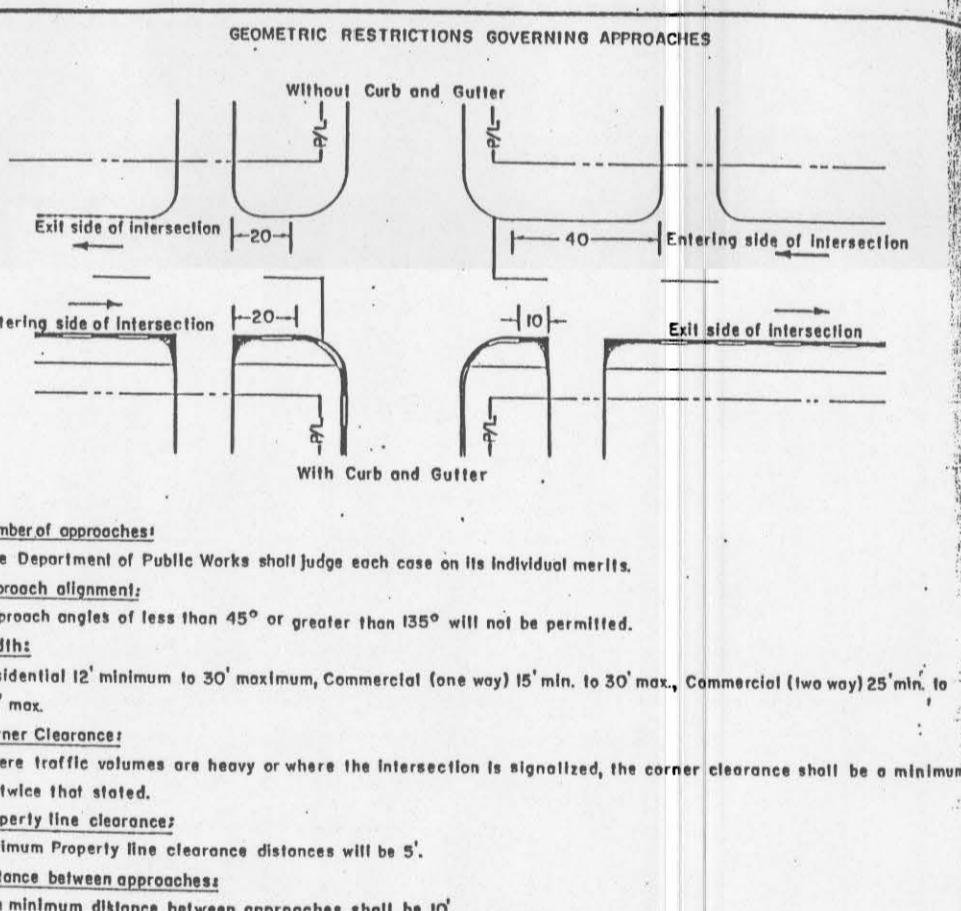
- GENERAL NOTES:**
- 1) Where driveway exceeds 12' width, a dummy joint shall be placed longitudinally at 10' max. intervals.
  - 2) Clean and edge all joints. Traverse driveway joints, as shown or directed by Public Works Dept.
  - 3) Construct 1" lip in driveway at gutterline.
  - 4) Concrete shall be 3000 psi.
  - 5) Thickness - 6" concrete.
  - 6) Option 2 with Public Works permission only.

CITY OF LEWISTON STANDARD DRAWING

**ALLEY AND DRIVEWAY ENTRANCE**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-5



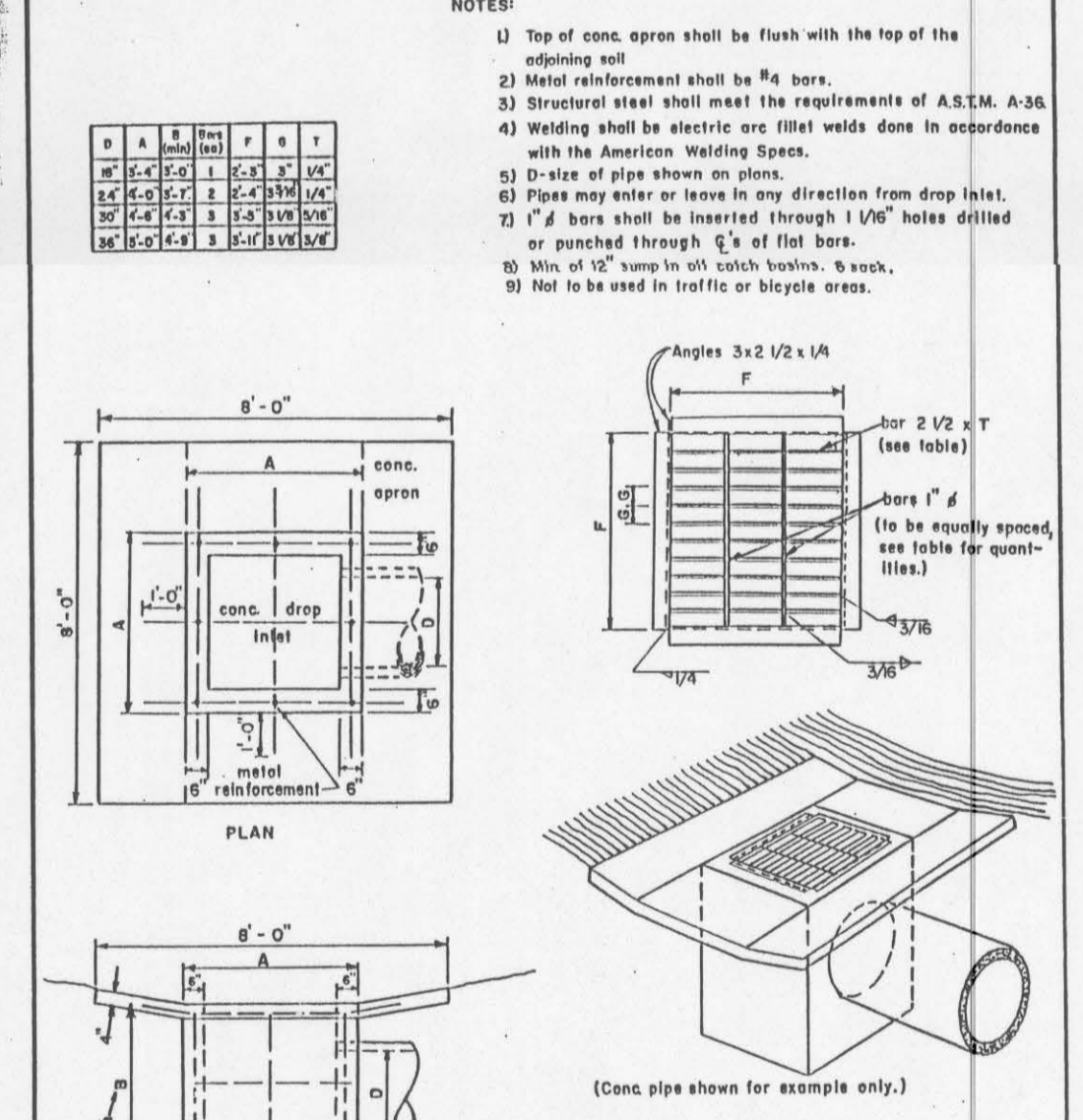
- Number of approaches:**  
The Department of Public Works shall judge each case on its individual merits.
- Approach alignment:**  
Approach angles of less than 45° or greater than 135° will not be permitted.
- Width:**  
Residential 12' minimum to 30' maximum, Commercial (one way) 10' min. to 30' max., Commercial (two way) 25' min. to 40' max.
- Corner Clearance:**  
Where traffic volumes are heavy or where the intersection is signalized, the corner clearance shall be a minimum of twice that stated.
- Property line clearance:**  
Minimum Property line clearance distances will be 5'.
- Distance between approaches:**  
The minimum distance between approaches shall be 10'.

CITY OF LEWISTON STANDARD DRAWING

**STANDARD APPROACHES**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
| REVISION |      |     |             |          |
| 10-1-88  | 1-23 | WJH | CHANGE      | 1        |

ST-5A



CITY OF LEWISTON STANDARD DRAWING

**AREA DRAIN TYPE I**

|          |      |     |             |          |
|----------|------|-----|-------------|----------|
| APPROVED | DATE | BY  | EXPLANATION | REV. NO. |
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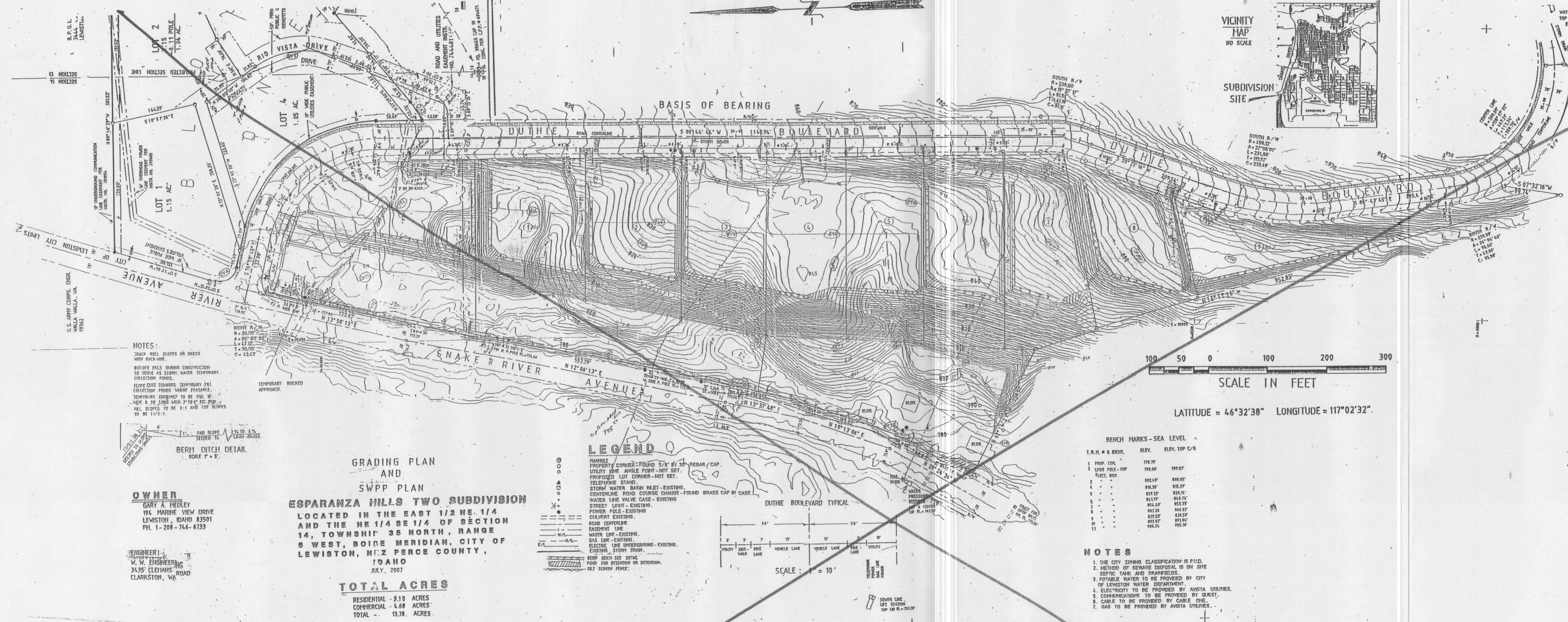
ST-6



These details do not apply to water line improvements.

*Warren S. Wilts*





**NOTES:**  
 1. STAKE MARKS, SLOPES OR DRESSES WITH BACK-SIDE.  
 2. SLOPE FIELD DRAIN CONNECTION TO EXISTING STORM WATER TEMPORARY COLLECTION POINT.  
 3. SLOPE CUTS TOWARD TEMPORARY FILL.  
 4. SLOPE CUTS TOWARD TEMPORARY FILL.  
 5. TEMPORARY ROCKED APPROACH.  
 6. TEMPORARY ROCKED APPROACH.  
 7. TEMPORARY ROCKED APPROACH.  
 8. TEMPORARY ROCKED APPROACH.  
 9. TEMPORARY ROCKED APPROACH.  
 10. TEMPORARY ROCKED APPROACH.  
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 12. TEMPORARY ROCKED APPROACH.  
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 14. TEMPORARY ROCKED APPROACH.  
 15. TEMPORARY ROCKED APPROACH.  
 16. TEMPORARY ROCKED APPROACH.  
 17. TEMPORARY ROCKED APPROACH.  
 18. TEMPORARY ROCKED APPROACH.  
 19. TEMPORARY ROCKED APPROACH.  
 20. TEMPORARY ROCKED APPROACH.

**OWNER**  
 GARY A. HEILEY  
 174 MARINE VIEW DRIVE  
 LEWISTON, IDAHO 83501  
 PH. 1-208-746-6733

**ENGINEER**  
 W. W. ENGINEERING  
 3435 CLEHANS ROAD  
 CLARKSTON, WA

**GRADING PLAN AND SWPP PLAN**  
**ESPERANZA HILLS TWO SUBDIVISION**  
 LOCATED IN THE EAST 1/2 NE 1/4 AND THE NE 1/4 SE 1/4 OF SECTION 14, TOWNSHIP 35 NORTH, RANGE 6 WEST, BOISE MERIDIAN, CITY OF LEWISTON, NEZ PERCE COUNTY, IDAHO  
 JULY, 2007

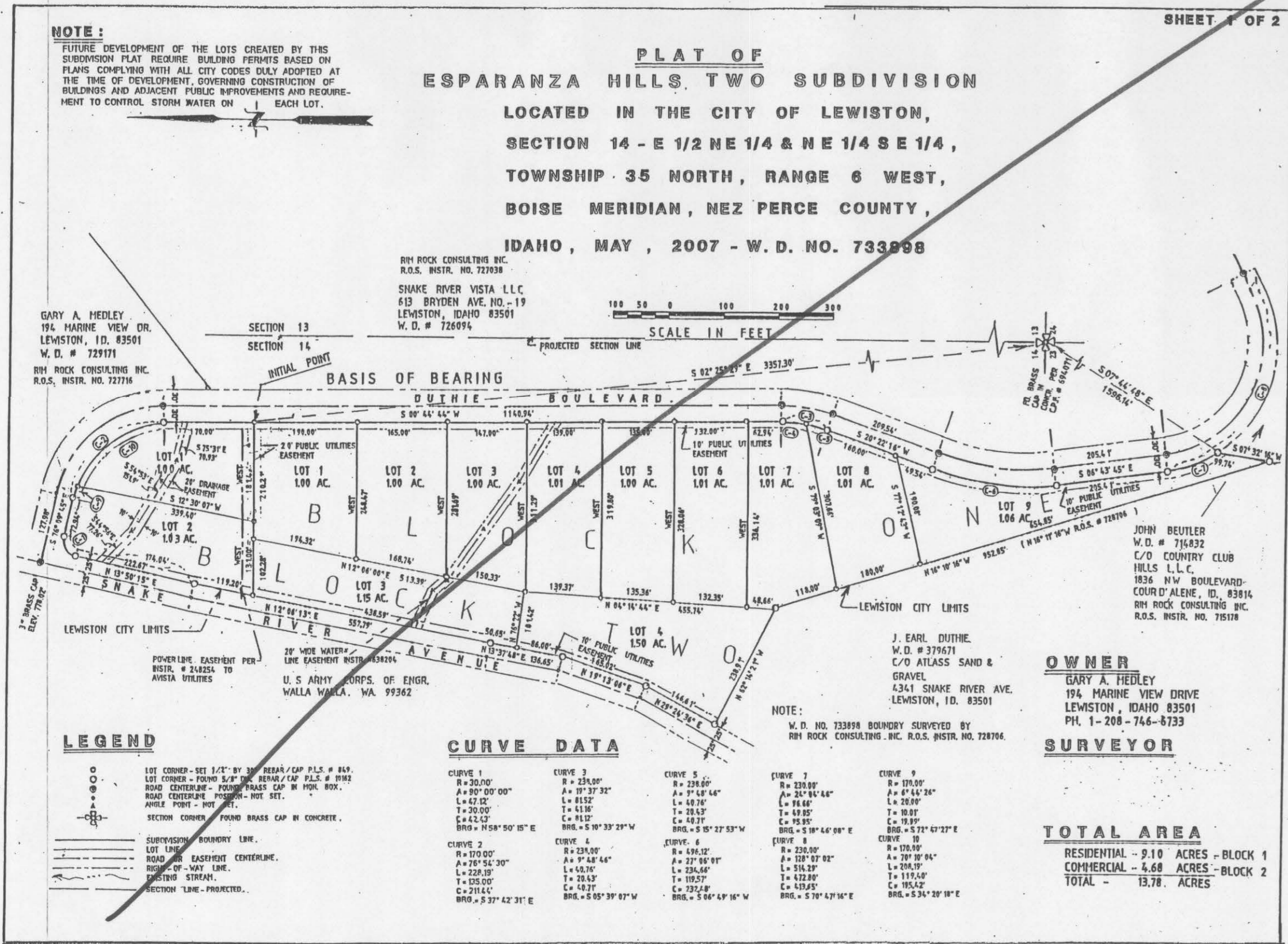
**TOTAL ACRES**  
 RESIDENTIAL - 2.10 ACRES  
 COMMERCIAL - 4.68 ACRES  
 TOTAL - 6.78 ACRES

**LEGEND**  
 PROPOSED CORNER-FOUND BY 3" NEARBY/ CAP.  
 UTILITY 1/2" ANGLE POINT - HOT SET.  
 PROPOSED LOT CORNER - HOT SET.  
 TELEPHONE STAND.  
 STORM WATER BASH NET - EXISTING.  
 CENTERLINE ROAD COURSE CHANGE - FOUND BRASS CAP IN CASE.  
 WATER LINE VALVE CASE - EXISTING.  
 STREET LIGHT - EXISTING.  
 POWER POLE - EXISTING.  
 CULVERT - EXISTING.  
 ROAD COURSE - EXISTING.  
 EXISTING LINE.  
 WATER LINE - EXISTING.  
 GAS LINE - EXISTING.  
 EXISTING LINE IMPROVING - EXISTING.  
 EXISTING STORM DRAIN.  
 ROAD CURVE BE BOUND.  
 POOL FOR REVISION OR DETENTION.  
 SET SLOPE POOL.

**BENCH MARKS - SEA LEVEL**

| I.R.N. # & DESC.  | ELEV. TOP C/S | ELEV. TOP C/S |
|-------------------|---------------|---------------|
| 1 PROP. COIL      | 781.37        | 781.37        |
| 2 LEFT POLE - TOP | 784.47        | 784.47        |
| 3                 | 782.47        | 782.47        |
| 4                 | 782.47        | 782.47        |
| 5                 | 781.37        | 781.37        |
| 6                 | 781.37        | 781.37        |
| 7                 | 781.37        | 781.37        |
| 8                 | 781.37        | 781.37        |
| 9                 | 781.37        | 781.37        |
| 10                | 781.37        | 781.37        |
| 11                | 781.37        | 781.37        |

**NOTES**  
 1. THE CITY ZONING CLASSIFICATION IS P.U.D.  
 2. METHOD OF SEWER DISPOSAL IS ON SITE SEPTIC TANK AND DRAINFIELDS.  
 3. POTABLE WATER TO BE PROVIDED BY CITY OF LEWISTON WATER DEPARTMENT.  
 4. ELECTRICITY TO BE PROVIDED BY AVISTA UTILITIES.  
 5. COMMUNICATIONS TO BE PROVIDED BY CREST.  
 6. GAS TO BE PROVIDED BY AVISTA UTILITIES.  
 7. GAS TO BE PROVIDED BY AVISTA UTILITIES.



*Plat not approved.*  
 David Husted



*The grading and SWPP plan do not apply to waterline and are not approved.*  
 [Signature]