GENERAL CONSTRUCTION REQUIREMENTS

1. ALL WATER AND SEWER CONSTRUCTION ASSOCIATED WITH THIS SUBDIVISION SHALL CONFORM TO THE LATEST EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC), UNIFORM PLUMBING CODE, AND LAWS OF THE STATE OF IDAHO.
2. ALL SEWER PIPE AND FITTINGS SHALL BE POLY-VINYL-CHLORIDE (PVC) CONFORMING TO SECTION 500, SANITARY SEWERS, OF THE ISPWC SPECIFICATIONS. (ASTM D-3034, SDR-35)
3. ALL INSTALLED SEWER LINES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH SECTION 506 OF THE ISPWC SPECIFICATIONS FOLLOWING INSTALLATION OF ALL UTILITIES AND PRIOR TO PAVING. THE TESTING MUST BE OBSERVED BY A REPRESENTATIVE OF THE CITY. DEFLECTION TESTS AND/OR TELEVISION INSPECTION MAY BE REQUIRED AT THE OPTION OF THE CITY.
4. ALL WATER MAINS SHALL BE POLY-VINYL-CHLORIDE (PVC) CONFORMING TO THE PROVISIONS OF AWWA C-900, CLASS 150, SDR 18, OR CLASS 150 CEMENT MORTAR LINED DUCTILE IRON CONFORMING TO AWWA C-104 AND AWWA C-151. ALL FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON CONFORMING TO AWWA C-110. ALL PLASTIC PIPE SHALL BE INSTALLED WITH A # 12 DIRECT BURIAL TRACER WIRE PLACED ALONG THE NORTH AND EAST SIDE OF THE MAIN. THE TRACER WIRE SHALL BE ACCESSIBLE AT ALL VALVE BOXES AND SHALL BE EXTENDED ALONG THE OUTSIDE OF THE LOWER PORTION OF THE VALVE BOXES AND ALONG THE INSIDE OF THE UPPER PORTION. MINIMUM BURIAL DEPTH FOR ALL WATER MAINS SHALL BE 4-FEET FROM THE FINISHED GRADE TO THE TOP OF PIPE.
5. ALL INSTALLED WATER LINES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH SECTION 404 OF THE ISPWC SPECIFICATIONS FOLLOWING INSTALLATION OF ALL UTILITIES AND PRIOR TO PAVING. THE TESTING MUST BE OBSERVED BY A REPRESENTATIVE OF THE CITY. ALL INSTALLED WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 405 OF THE ISPWC SPECIFICATIONS AND SATISFACTORILY PASS A BACTERIOLOGICAL TEST PRIOR TO BEING PUT INTO SERVICE.
6. ALL PIPE, MAINS AND SERVICES, SHALL BE BEDDED WITH TYPE 1 BEDDING. IN AREAS OF ROCK EXCAVATION BEDDING SHALL BE 6 INCHES BELOW THE PIPE.
7. THE SEPARATION REQUIREMENTS AS OUTLINED IN SECTION 406, SEPARATIONS OF WATER MAINS AND SEWERS, OF THE ISPWC SPECIFICATIONS SHALL APPLY TO BOTH MAINLINES AND SERVICE LINES. WHERE SEWER MAINS AND SERVICES DO NOT CONFORM TO THE SEPARATION REQUIREMENTS WATER CLASS PIPE IS REQUIRED.
8. IN AREAS WHERE ROCK EXCAVATION IS REQUIRED ALL BLASTING FOR OTHER UTILITIES SHALL OCCUR PRIOR TO INSTALLATION OF ANY SEWER MAINS, WATER MAINS OR SERVICE LINE CROSSINGS.
9. THE DEVELOPER SHALL SUBMIT A COPY OF THE DESIGN APPROVAL LETTER FROM THE IDAHO DEPARTMENT OF HEALTH AND WELFARE PRIOR TO BEGINNING CONSTRUCTION.
10. THE DEVELOPER IS REQUIRED TO RETAIN A QUALIFIED REGISTERED ENGINEER TO PERFORM INSPECTION SERVICES DURING CONSTRUCTION. THE ENGINEER SHALL FURNISH THE CITY A WRITTEN CERTIFICATION THAT THE PROJECT WAS COMPLETE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. COPIES OF ALL AIR TEST, PRESSURE TEST, AND BACTERIOLOGICAL TEST RESULTS SHALL BE FURNISHED WITH THE CERTIFICATION LETTER.
11. ANY MODIFICATIONS DURING CONSTRUCTION MUST BE APPROVED IN WRITING BY THE CITY.
12. WHEN CONSTRUCTION IS SATISFACTORILY COMPLETED, CLEANED AND TESTED, THE DEVELOPER SHALL REQUEST A FINAL ACCEPTANCE INSPECTION BY THE CITY. THE FINAL ACCEPTANCE INSPECTION SHALL OCCUR AFTER ALL OTHER UTILITIES ARE INSTALLED. AT A MINIMUM, THE FINAL ACCEPTANCE INSPECTION SHALL CONSIST OF LAMPING ALL SEWER MAINS, VISUALLY INSPECTING EACH MANHOLE, WITNESSING A FINAL SEWER AIR TEST AND WATER PRESSURE TEST CONDUCTED BY THE DEVELOPER.
13. THE DEVELOPER SHALL FURNISH THE CITY ONE REPRODUCIBLE SET OF MYLAR RECORD DRAWINGS AND TWO SETS OF BLUELINE PRINTS WITHIN 30 DAYS OF FINAL ACCEPTANCE. RECORD DRAWINGS SHALL SPECIFICALLY SHOW SERVICE TAPS BY STATION, AND LOCATION (HORIZONTAL AND VERTICAL) OF SERVICE LINE ENDS.
14. THE CITY HAS THE RIGHT TO INSPECT THE WORK AT ANY TIME DURING CONSTRUCTION. ANY WORK THAT DOES NOT CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BE REJECTED.
15. THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE BY THE CITY.
16. MANHOLES OVER FOUR FEET DEEP SHALL BE FURNISHED WITH STEPS AND ECCENTRIC CONES.
17. INDIVIDUAL WATER SERVICES SHALL BE INSTALLED FOR EACH CONNECTION. THE WATER SERVICE SHALL CONSIST OF A PIPE SADDLE WITH 1-INCH CORPORATION STOP; 1-INCH CLASS 200, SDR 7.3 POLYETHYLENE PIPE CONFORMING TO AWWA C-901; 18-INCH TALL 5/8"x3/4" COPPER METER SETTER WITH LOCKABLE SHUTOFF VALVE; AND 18-INCH DIAMETER BY 30-INCH TALL METER BOX WITH CAST IRON FRAME AND COVER APPROVED BY THE CITY. WATER METERS SHALL BE FURNISHED AND INSTALLED BY THE CITY.

    MULTIPLE TAPS IN THE SAME PIPE JOINT SHALL BE STAGGERED AND SHALL BE SEPARATED BY A MINIMUM OF ONE FOOT. THE CENTERLINE OF THE METER SETTER SHALL BE LOCATED 18-INCHES BELOW FINISHED GRADE. METERS SHALL BE PLACED 18-INCHES INSIDE THE PROPERTY LINE AND 18-INCHES AWAY FROM THE SIDE LOT LINE. DUAL SERVICES OFF ONE SERVICE LINE WILL NOT BE ALLOWED.
18. ALL MAIN LINE WATER VALVES SHALL BE RESILIENT-SEATED GATE VALVES CONFORMING TO AWWA C-509. ALL WATER VALVES SHALL BE FURNISHED WITH A STANDARD CAST IRON 5-1/4 INCH DIAMETER ADJUSTABLE VALVE BOX. THE CAST IRON COVER SHALL BE MARKED WITH THE WORD "WATER" AS AN INTEGRAL PART OF THE COVER.
19. ALL FIRE HYDRANTS SHALL BE DRY BARREL FIRE HYDRANTS CONFORMING TO AWWA C-502. HYDRANTS SHALL HAVE A 5-FOOT SETTING; MINIMUM 5-1/4 INCH VALVE OPENING; 150 psi WORKING PRESSURE; ONE 4-1/2 INCH DIAMETER NATIONAL STANDARD PUMPER NOZZLES; AND TWO 2-1/2 INCH DIAMETER NATIONAL STANDARD THREAD FIRE HOSE NOZZLES. THE VALVE OPERATOR SHALL OPEN LEFT (COUNTER-CLOCKWISE). THE HYDRANT SHALL BE EQUIPPED WITH A BREAKABLE TRAFFIC FLANGE; A DRAIN THAT AUTOMATICALLY OPENS WHEN THE HYDRANT IS CLOSED; AND A 6-INCH FLANGED CONNECTION. THE HYDRANT SHALL BE EQUIPPED WITH A 6-INCH FLANGED BY MECHANICAL JOINT RESILIENT-SEAT GATE VALVE WITH CAST IRON VALVE BOX ATTACHED DIRECTLY TO THE MAIN LINE TEE. HYDRANTS SHALL BE INSTALLED SUCH THAT THE BREAKABLE TRAFFIC FLANGE IS SET 2-INCHES MINIMUM, 6-INCHES MAXIMUM ABOVE THE BACK OF SIDEWALK OR FINISHED GRADE AS APPLICABLE. HYDRANT SPACING SHALL BE 450'.

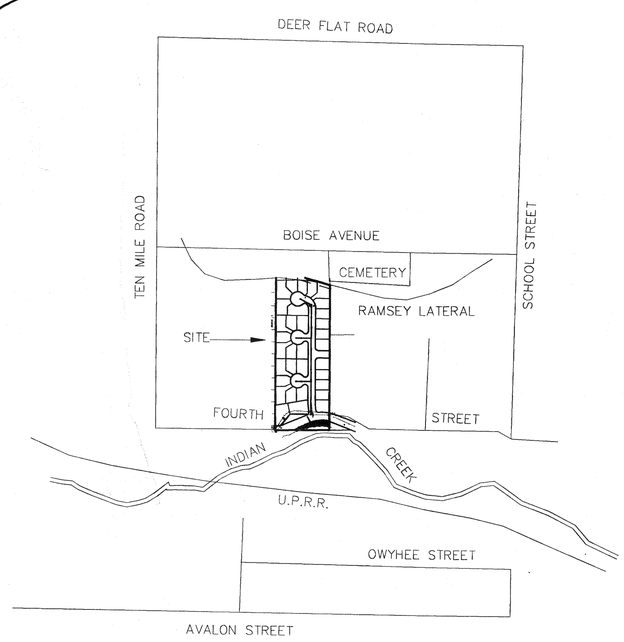
GENERAL

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL COMPLY WITH IDAHO CODE, CHAPTER 22, TITLE 55 REGARDING UNDERGROUND FACILITIES DAMAGE PREVENTION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
2. ALL LOT DIMENSIONS AND EASEMENTS SHALL BE TAKEN FROM THE PLAT OF THE SUBDIVISION.
3. ALL WATER, SEWER AND SERVICE LINES SHALL BE INSTALLED PRIOR TO CURB, GUTTER AND SIDEWALK CONSTRUCTION.
4. RETAIN AND PROTECT ALL IRRIGATION AND DRAINAGE PIPE CROSSINGS. IF NECESSARY, THE PIPE WILL BE REPLACED BY THE CONTRACTOR.
5. RETAIN AND PROTECT ALL WATER METER VAULTS. IF THE VAULTS ARE DISTURBED, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE WATER COMPANY FOR REPLACEMENT.
6. RETAIN AND PROTECT EXISTING CURB, GUTTER AND SIDEWALK. IF REMOVAL IS NECESSARY, REPLACEMENT SHALL BE INCIDENTAL TO THE PROJECT.
7. CONTRACTOR SHALL REPAVE TO EXISTING GRADES ANY EXISTING PAVED STREETS DISTURBED BY CONSTRUCTION.

STREETS

1. ALL WORK SHALL BE CONSTRUCTED TO THE ADA COUNTY HIGHWAY DISTRICT SPECIFICATIONS AS SHOWN IN THE LATEST EDITION OF THE "ADA COUNTY HIGHWAY DISTRICT STANDARD CONSTRUCTION DRAWINGS" AND SHALL BE APPROVED BY THE ADA COUNTY HIGHWAY DISTRICT.
2. CONTRACTOR SHALL OBTAIN CONSTRUCTION PERMIT FROM THE ADA COUNTY HIGHWAY DISTRICT NOT LESS THAN SEVEN DAYS PRIOR TO COMMENCING CONSTRUCTION. NO CONSTRUCTION SHALL BEGIN BEFORE PRECONSTRUCTION MEETING, WHICH THE CONTRACTOR IS REQUIRED TO ATTEND, AS PER "CONSTRUCTION QUALITY ASSURANCE MANUAL."
3. ALL WORK WILL BE INSPECTED BY THE ADA COUNTY HIGHWAY DISTRICT IN ACCORDANCE WITH THE LATEST EDITION OF THE "CONSTRUCTION QUALITY ASSURANCE MANUAL".

RECORD DRAWINGS

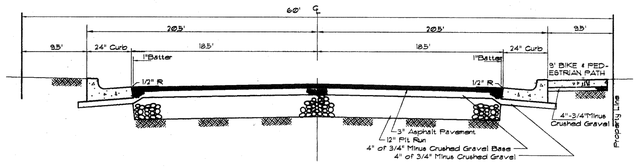


VICINITY MAP

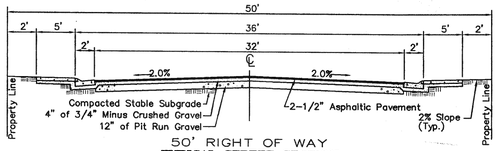
SCALE: 1" = 500'

LEGEND

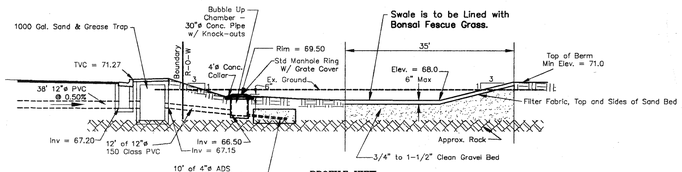
- BOUNDARY LINE
- CENTER LINE
- SS — EXIST. SANITARY SEWER LINE
- P — EXIST. OVERHEAD POWER LINES
- SS — CONST. SANITARY SEWER LINE
- W — WATER LINE (BY BOISE WATER CORP.)
- CONST. 6" VERTICAL CURB & GUTTER w/ 5' WIDE SIDEWALK
- CONST. ROLL TYPE CURB & GUTTER w/ 5' WIDE SIDEWALK
- 97.55 TBC / 97.05 GBC — DESIGN GRADE (TOP OF ROLL CURB)
- DESIGN GRADE (TOP OF VERTICAL CURB)
- TB — TOP OF BANK
- INV — INVERT
- ET — END TRANSITION CURB
- BT — BEGIN TRANSITION CURB
- TOE — TOE OF SLOPE
- CONST. 1000 GAL. SAND AND GREASE TRAP
- LIGHT POLE
- 25"WC — 69.2 — 10+83 — SANITARY SERVICE W/ LENGTH, INVERT ● PROPERTY AND STATION ● SEWER MAIN. "WC" INDICATES USE OF WATER CLASS PIPE.
- WATER SERVICE
- FIRE HYDRANT



WEST FOURTH STREET
N.T.S.



50' RIGHT OF WAY
TYPICAL STREET SECTION



PROFILE VIEW

SWALE
Not to Scale

RECORD DRAWINGS

These RECORD DRAWINGS have been prepared, in part, on the basis of information compiled and furnished by others. The engineer will not be responsible for errors or omissions which have been incorporated into this document as a result.

Date: 12/20/94
TEALEY'S LAND SURVEYING

OWNER/ DEVELOPER:

LANCE FISH & MONTE McCLURE
OWYHEE CONSTRUCTION, INC.
4232 ADAMS STREET
BOISE, ID. 83714

INDEX

1. NOTES AND DETAILS
2. WEST FOURTH STREET
3. NORTH ASH STREET

PROFESSIONAL ENGINEER — REGISTERED — 5030 — STATE OF IDAHO — DAVID N. MARKS — 12/21/94

TEALEY'S LAND SURVEYING — 109 S. 4th ST. • 208-385-0636 • BOISE, IDAHO

JOB NO.: 1275
DATE: FEBRUARY, 1994
SCALE: AS SHOWN
CHECK:
DRAFT: jdd
DESIGN: dmm

CONSTRUCTION PLANS FOR
CONESTOGA SUBDIVISION

SITUATED IN THE SW 1/4 OF SECTION 23 T.2N., R.1W., B.M. KUNA, ADA COUNTY, IDAHO

REV-4/18/94-REDESIGN FOURTH STREET.
REV-8/21/94-LOTS 1,2 & 3 BLOCK 1

SHEET 1 OF 3

DWG\1275-DRN