

GENERAL

- 1. THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE 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 UNDERGROUND UTILITIES.

STREETS

- 1. ALL WORK SHALL BE CONSTRUCTED TO THE ACHD SPECIFICATIONS.
- 2. STANDARD SEWER AND STORM DRAIN MANHOLES, CONES AND STRUCTURES SHALL BE SET TO SPECIFIED ELEVATION BY THEIR RESPECTIVE CONTRACTORS. ALL REMAINING MANHOLE MATERIALS, EXCEPT CONCRETE COLLARS, NECESSARY TO CONSTRUCT MANHOLE TO FINISHED GRADE IN PAVEMENT AREAS SHALL BE FURNISHED BY THE PIPE CONTRACTORS FOR PLACEMENT AT FINISHED GRADE BY STREET CONTRACTOR. FOR MANHOLES NOT WITHIN PAVEMENT AREAS, THE MANHOLE RINGS SHALL BE SET TO FINISHED GRADE BY THEIR RESPECTIVE CONTRACTORS. ALL MATERIALS FOR CONCRETE COLLARS AROUND SANITARY SEWER AND STORM DRAIN MANHOLE RINGS SHALL BE SUPPLIED AND CONSTRUCTED TO FINISHED GRADE BY STREET CONTRACTOR IN ACCORDANCE WITH ISPC SPECIFICATIONS.

WATER DISTRIBUTION

- 1. ALL WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS, MARCH, 1995 (IDAPA 16.01.08) THE LATEST EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION, UNIFORM PLUMBING CODE, AND LAWS OF THE STATE OF IDAHO.
- 2. CONTRACTOR SHALL NOTIFY KUNA CITY AND THE DEVELOPER'S ENGINEER 72 HOURS BEFORE CONSTRUCTION BEGINS. THE KUNA CITY AND THE DEVELOPER'S ENGINEER SHALL BE ALLOWED TO INSPECT WATER LINES BEFORE BACKFILLING.
- 3. TRENCH BACKFILL ABOVE THE PIPE ZONE WILL BE INSPECTED BY THE ADA COUNTY HIGHWAY DISTRICT AND SHALL MEET THEIR MATERIAL AND COMPACTED REQUIREMENTS.

PRESSURE IRRIGATION FACILITIES

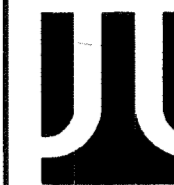
- 1. PRESSURE IRRIGATION MAIN LINE PIPING SHALL BE CONSTRUCTED OF POLY-VINYL-CHLORIDE (PVC), 200 PSI, SDR 21, CONFORMING TO ASTM D-2241 FOR PIPES 3" AND LARGER, AND SCHEDULE 40, CONFORMING TO ASTM D-2468 FOR PIPES 2 1/2" AND SMALLER FOR PRESSURE IRRIGATION. ALL JOINTS ON PIPES 3" AND LARGER SHALL BE RUBBER GASKETED. 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 BOX AND ALONG THE INSIDE OF THE UPPER PORTION. MINIMUM BURIAL DEPTH FOR ALL IRRIGATION MAINS SHALL BE 2'-6" FROM FINISH GRADE TO THE TOP OF THE PIPE. IN FREE-DRAINING, A MINIMUM OF 3-1/2 FEET OF COVER SHALL BE REQUIRED FROM FINISH GRADE.

PRESSURE IRRIGATION FACILITIES (CONT.)

- 9. ALL INSTALLED IRRIGATION DRY LINES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH SECTION 404 OF THE ISPC SPECIFICATIONS FOLLOWING INSTALLATION OF ALL UTILITIES AND PRIOR TO PAVING. MINIMUM TEST PRESSURE SHALL BE 90 PSI FOR POTABLE WATER FROM THE MUNICIPAL WATER SYSTEM. THE TESTING MUST BE OBSERVED BY A REPRESENTATIVE OF THE CITY. UPON SUCCESSFULLY PASSING THE FINAL PRESSURE TEST THE IRRIGATION SYSTEM SHALL BE DRAID.
- 10. ALL PIPE, MAINS AND SERVICES, SHALL BE BEDDED WITH TYPE I BEDDING. IN AREAS OF ROCK EXCAVATION BEDDING SHALL BE 6-INCHES BELOW THE PIPE.
- 11. IN AREAS WHERE ROCK EXCAVATION IS REQUIRED, ALL BLASTING FOR OTHER UTILITIES SHALL OCCUR PRIOR TO INSTALLATION OF ANY IRRIGATION FACILITIES.

SANITARY SEWER

- 1. PRIOR TO CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL THE UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE.
- 2. ALL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE.
- 3. ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
- 4. MANHOLE RIM ELEVATIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS ARE APPROXIMATE. THE MANHOLE FRAMES AND COVERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACHD'S REVISION TO THE I.S.P.W.C. STANDARD DRAWING NO. HD 508. RIM ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD DURING CONSTRUCTION.
- 5. CONTRACTOR SHALL REPAVE ANY EXISTING PAVED STREETS DISTURBED DURING CONSTRUCTION.
- 6. RETAIN AND PROTECT ALL IRRIGATION AND DRAINAGE PIPE CROSSINGS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE ACHD FOR THE INSPECTION OF THE EXPOSED IRRIGATION AND/OR DRAINAGE PIPE CROSSINGS. IF EXISTING PIPES ARE DAMAGED, THE AFFECTED PIPE WILL BE REPLACED BY THE CONTRACTOR.

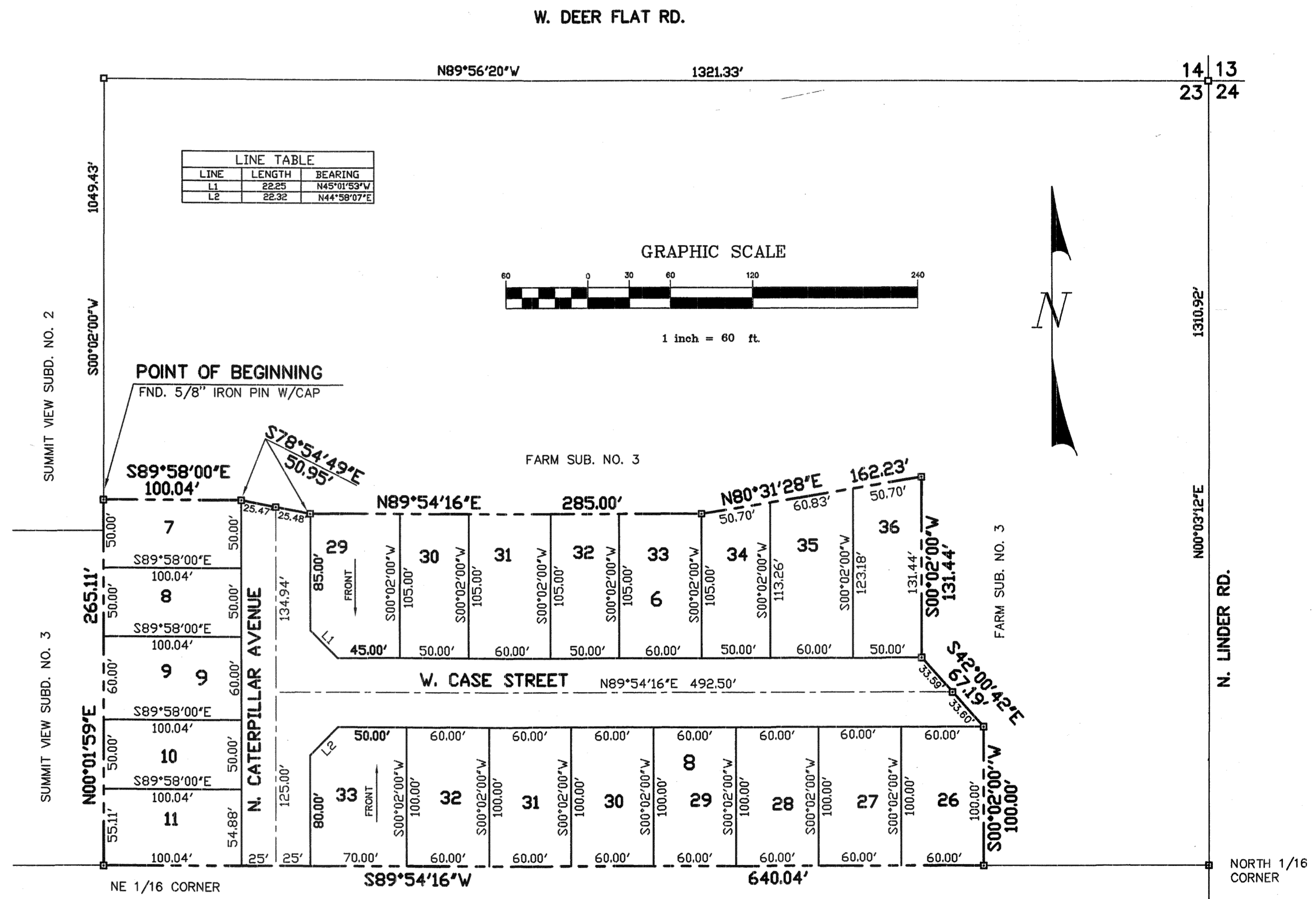


J.J. HOWARD ENGINEERING / SURVEYING

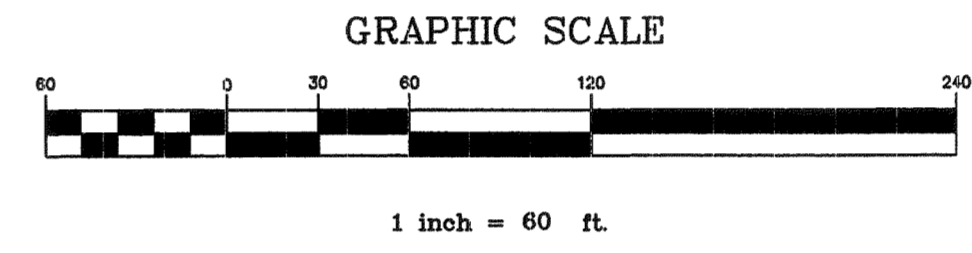
1675 HILL RD., SUITE A / BOISE, IDAHO 83702 1-208-344-0574

Table with columns: DATE, DESIGN BY, SHEET, OF, SCALE, DRAWN BY, DRAWING NO., REVISION NO, DATE. Includes sheet number 1 of 4 and drawing number FARMCVR.DWG.

RECORD DWGS.



LINE TABLE with columns: LINE, LENGTH, BEARING. Lists line 1 (22.25', N45°01'53\"/>



LEGEND

- PROPERTY BOUNDARY
- - - CENTERLINE
- - - LOT LINE
- 8 FRONT
- o SET 5/8" X 30" IRON PIN WITH PLASTIC CAP
- o SET 1/2" X 24" IRON PIN WITH PLASTIC CAP
- o FND. BRASS CAP
- o FND. 5/8" IRON PIN W/PLASTIC CAP MARKED LS 2471





