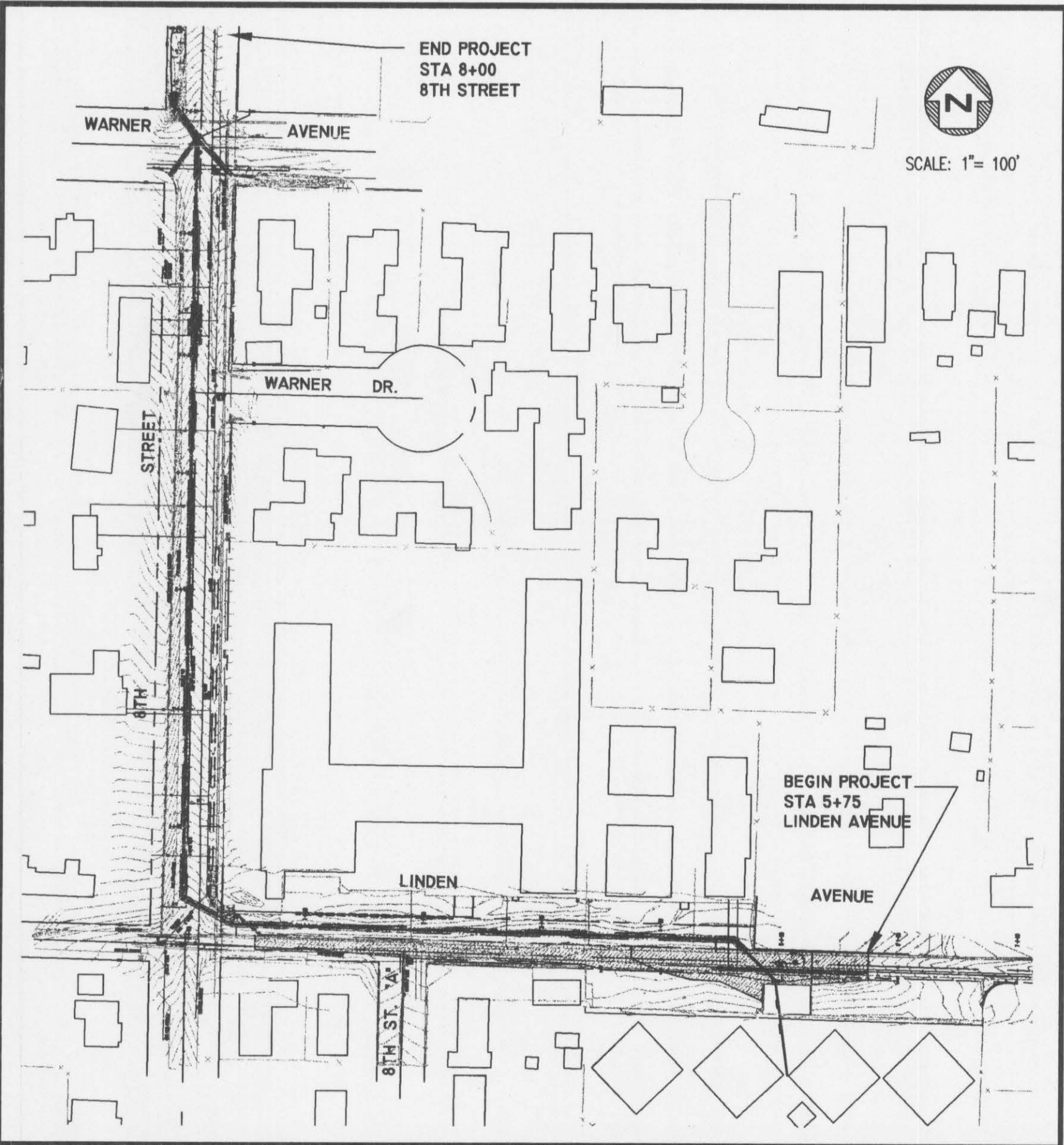


# LINDEN AVENUE STORM DRAIN PROJECT - 800 BLOCK



PROJECT COMPOSITE MAP

## GENERAL CONSTRUCTION NOTES:

- UTILITIES SHOWN IN THE CONTRACT DOCUMENTS ARE FOR GENERAL INFORMATION ONLY, VERIFY LOCATIONS OF ALL UTILITIES. NOTIFY LOCAL ONE NUMBER LOCATOR SERVICE (1-800-342-1585) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK. PROTECT UTILITY MARKINGS DURING CONSTRUCTION. DETERMINE BY HAND DIGGING, IN THE AREA (24 INCHES) OR LESS FROM THE FACILITIES, THE PRECISE ACTUAL LOCATIONS OF UNDERGROUND FACILITIES THAT HAVE BEEN MARKED. COMPLY WITH SECTION 55-2201 OF IDAHO CODE ENTITLED "UNDERGROUND FACILITIES DAMAGE PREVENTION."
- NOTIFY THE PROPERTY OWNER OR TENANT, THE ADJACENT EASEMENT PROPERTY OWNER, AND ALL AFFECTED PROPERTIES 48 HOURS IN ADVANCE OF THE TIME WHEN CONSTRUCTION WORK WILL BE STARTED WITHIN THE PROPERTY. CONFINE THE CONSTRUCTION OPERATIONS TO WITHIN THE EASEMENT LIMITS OR STREET AND ALLEY RIGHT-OF-WAY LIMITS OR OBTAIN WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNERS FOR ADDITIONAL WORK AREA REQUIRED. REPAIR DAMAGE TO PRIVATE PROPERTY, EITHER INSIDE OR OUTSIDE THE LIMITS OF THE EASEMENTS, EQUAL TO OR BETTER THAN PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE CONTRACT.
- REMOVE AND REPLACE MISCELLANEOUS STRUCTURES IMPACTED BY EXCAVATION SUCH AS CATCH BASINS, DRAIN PIPE, CULVERTS, SIDEWALKS, CURBS, GUTTERS, MAILBOXES AND SIGNPOSTS WITHOUT ADDITIONAL COMPENSATION FROM THE OWNER UNLESS OTHERWISE SPECIFIED. REPLACE THESE STRUCTURES IN A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITIONS. IF STRUCTURES OR UTILITIES ARE ENCOUNTERED THAT MAY PREVENT THE CONSTRUCTION OF THE PIPELINE OR FACILITIES, NOTIFY THE ENGINEER BEFORE CONTINUING WITH THE CONSTRUCTION.
- PROVIDE DUST CONTROL 7 DAYS A WEEK, 24 HOURS PER DAY.
- THE CONTRACTOR SHALL PAY ALL NECESSARY PERMITS AND FEES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING.
- ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND STANDARD TECHNICAL SPECIFICATIONS. ANY DEVIATION FROM CITY STANDARDS SHALL BE APPROVED BY THE CITY ENGINEER.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE REQUIRED TO CONTROL ON SITE STORM DRAINAGE BY USING TEMPORARY OR PERMANENT EROSION CONTROL MEASURES.
- CITY OF LEWISTON IS RESPONSIBLE FOR PERMANENT AND TEMPORARY PAVEMENT STRIPING AND ALL PERMANENT SIGNING.
- UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH ELEVATIONS TO THE CITY ENGINEER.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ALL WORK IN ACCORDANCE WITH THE 1988 EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (PART VI).
- SURVEY LINE AND GRADE CONTROL WILL BE PROVIDED BY THE ENGINEER IN A MANNER CONSISTENT WITH ACCEPTED PRACTICE NORMAL STATIONING IS CONSIDERED (50 FOOT) INTERVALS AND AT CHANGES IN DIRECTIONS OR GRADE, PROVIDE THE ENGINEER 2 WORKING DAYS NOTICE OF THE TIME AND PLACE THAT WILL REQUIRE THE LAYING-OUT AND STAKING OF ANY PORTION OF THE WORK. PRESERVE ALL STAKES, MARKERS, ETC. STAKES AND MARKERS DAMAGED BY CONTRACTOR WILL BE REPLACED BY THE SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTED SURVEYOR SHALL VERIFY ALL HORIZONTAL AND VERTICAL CONTROL POINTS. THE RESULTS SHALL BE PRESENTED TO THE CITY ENGINEER BEFORE THE COMMENCEMENT OF CONSTRUCTION STAKING.
- FINAL GRADES SHALL BE CONSTRUCTED TO WITHIN  $\pm 0.03$  FEET OF THE DESIGN ELEVATIONS. THERE WILL BE NO EXCEPTIONS UNLESS APPROVED BY THE CITY ENGINEER. ANY SURFACE WHICH DOES NOT DRAIN DUE TO IMPROPER GRADING SHALL BE CORRECTED AT NO COST TO THE OWNER.
- TRENCHES SHALL NOT BE LEFT OPEN AT THE END OF THE WORK DAY. AN OPEN TRENCH IS DEFINED AS ANY PORTION OF THE TRENCH WHICH HAS NOT BEEN BACK FILLED TO FINISH GRADE, OR WHICH IS NOT PASSABLE TO LOCAL TRAFFIC. TRENCH WIDTH SHALL BE (4 FEET) PLUS THE OUTSIDE DIAMETER OF THE PIPE BARREL AND SUFFICIENT TO INSTALL AND JOIN PIPE AND PROPERLY PLACE THE BEDDING MATERIAL. TRENCH WIDTH IS MEASURED FROM TRENCH WALL TO TRENCH WALL INSIDE OF SHORING. MINIMUM TRENCH DEPTHS SHALL BE AS REQUIRED FOR INVERT GRADE OF THE PIPE INDICATED IN THE CONTRACT DOCUMENTS, PLUS PIPE WALL THICKNESS INCLUDING BELLS, PLUS THE SPECIFIC BEDDING THICKNESS, PLUS ADDITIONAL DEPTH FOR FOUNDATION STABILIZATION. ACCURATELY GRADE BOTTOM OF TRENCHES TO THE LINES AND GRADE INDICATED IN THE CONTRACT DOCUMENTS. TRENCH SIDES AND BOTTOM SHALL BE HAND TRIM TO ALLOW FOR PIPE BELLS, VALVES AND APPURTENANCES IN A MANNER WHICH DOES NOT DISTURB SUBGRADE COMPACTION PROVIDE UNIFORM BEARING AREA. REPLACE UNAUTHORIZED OVER-EXCAVATION WITH FOUNDATION MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY AS MEASURED BY ASTM D 698.
- GRADE THE WORK AREA TO PREVENT SURFACE WATER FROM ENTERING THE TRENCH. IMMEDIATELY REMOVE WATER ACCUMULATING IN THE TRENCH. PREVENT SILTATION OF THE DOWN STREAM DRAINAGE SYSTEM BY METHODS APPROVED BY THE ENGINEER AND OTHER APPLICABLE AGENCIES. PROVISIONS MAY INCLUDE SILT BASINS, SILT FENCES, OR OTHER PHYSICAL MEANS.
- PROVIDE ALL SHORING, BRACING TIGHT SHEETING, AND TRENCH BOXES REQUIRED TO PREVENT CAVING AND TO PROTECT WORKERS AND ADJACENT PROPERTY AND STRUCTURES. COST IS INCIDENTAL TO CONTRACT. MEET OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATION AND REQUIREMENT AT ALL TIMES FOR ALL TRENCH EXCAVATION AND ASSOCIATED WORK.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM CONSTRUCTION, AS DIRECTED BY THE CITY.
- STORM DRAIN PIPE SHALL BE HDPE CONFORMING TO AASHTO M 294 TYPE S WITH WATERTIGHT JOINTS CONFORMING TO ASTM D 3212 AND GASKETS CONFORMING TO ASTM F 477. PIPE SHALL BE BEDDED AND BACK FILLED WITH 3/4" CRUSHED ROCK COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS MEASURED BY ASTM D 698. IN ACCORDANCE WITH STD DWG "ST-9A".
- ALL STORM DRAIN PIPE REQUIRED TO BE CONSTRUCTED TO WATER MAIN STANDARDS UP TO 12" DIAMETERS SHALL BE C-900. ALL STORM DRAIN PIPE REQUIRED TO BE CONSTRUCTED TO WATER MAIN STANDARDS UP TO 18" AND 24" DIAMETERS SHALL BE C-905. ALL PIPES, JOINTS, MANHOLES, CATCH BASINS, AND DRAINAGE STRUCTURES SHALL BE WATER TIGHT AND SHALL BE TESTED ACCORDING TO SPECIFICATIONS. ALL PIPE RUNS SHALL BE INSPECTED BY VIDEO CAMERA. ALL PIPE CROSSINGS SHALL BE CONSTRUCTED ACCORDING TO CITY STANDARDS.

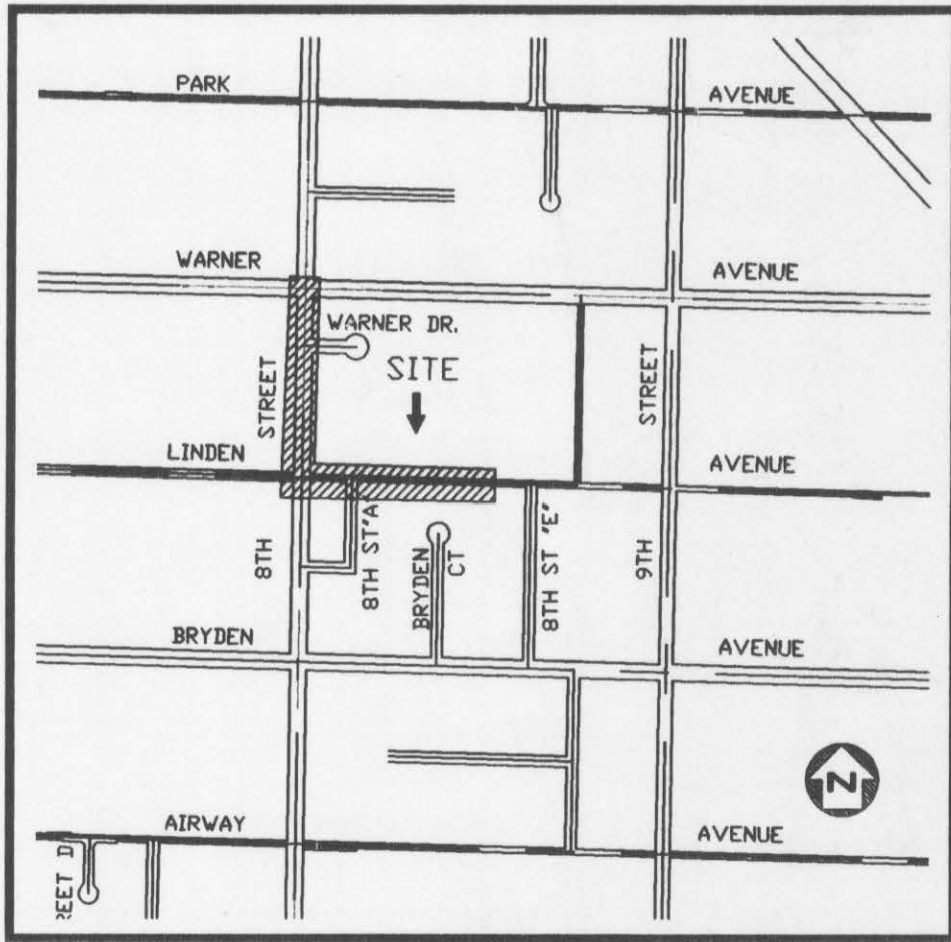
## SHEET INDEX:

SHEET 1 OF 6.....	COVER SHEET
SHEET 2 OF 6.....	LINDEN AVE PLAN & PROFILE
SHEET 3 OF 6.....	LINDEN AVE FLOWLINE PROFILES
SHEET 4 OF 6.....	8TH ST. PLAN & PROFILES
SHEET 5 OF 6.....	8TH ST. PLAN, PROFILES, & DETAILS
SHEET 6 OF 6.....	DETAIL SHEET

## CONTROL POINTS

POINT NO.	NORTHING	EASTING	BEARING	DISTANCE	DESCRIPTION/LOCATION	ELEVATION
330	1721392.614	2309999.273			CITY MON. 7TH & LINDEN	1409.37
			S 88° 28'08" E	1321.75'		
34	1721357.298	2311320.552			CITY MON. 8TH & LINDEN	1411.68
			S 88° 24'05" E	1344.65'		
496	1721319.785	2312664.674			CITY MON. 9TH & LINDEN	1420.46
			N 62° 10'21" W	1508.48'		
800	1722023.959	2311330.643			CITY MON. 8TH & WARNER	1396.00

SECTION 17, TOWNSHIP 35 NORTH, RANGE 5 WEST, BOISE M.D., & M.



LOCATION MAP  
NO SCALE



THE LOCATION OF EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL PERFORM A SEPARATE INVESTIGATION IN THE FIELD TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. INFORMATION REGARDING THE LOCATION OF EXISTING UNDERGROUND UTILITIES CAN BE OBTAINED FROM CALLING DIGLINE AT 1-800-342-1585.

## LEGEND:

NEW ASPHALT	
CONCRETE	
PAVING LIMITS/SAWCUT	
EXIST. SANITARY SEWER	
PROPOSED STORM DRAIN	
EXIST. WATER	
EXIST. GAS	
RIGHT-OF-WAY	
EXISTING FIBER OPTICS	
EXISTING TELEPHONE	
POWER POLE	
PROPOSED STORM MANHOLE	
EXISTING SEWER MANHOLE	
EXSIT. GATE VALVE	
CITY MONUMENT	
CATCH BASIN	

DESIGNED BY: M.H. SCALE: 1" = 100'

DRAWN BY: M.H. DATE: 5/15/2000

CHECKED BY: T.R. DRAWING NO.: L5B

JOB NO.: 8-5 SHEET 1 OF 6

REVISIONS

NO.	DATE	FILENAME	DESCRIPTION

LINDEN AVENUE  
STORM DRAIN PROJECT  
800 BLOCK  
COVER SHEET

CITY OF LEWISTON  
ENGINEERING DEPARTMENT  
134 1<sup>ST</sup> STREET, LEWISTON ID 83501  
208-746-1306