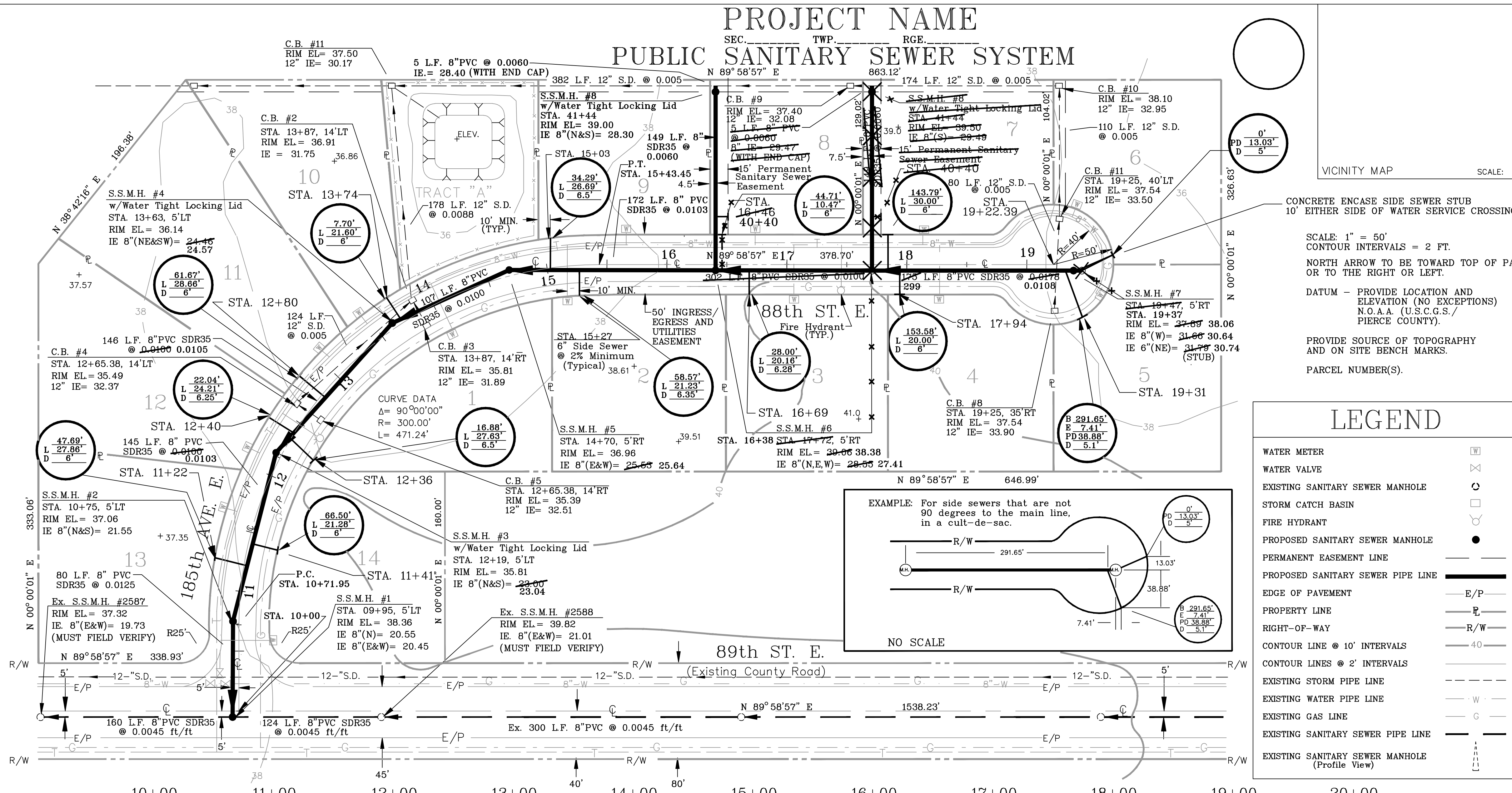


# PROJECT NAME PUBLIC SANITARY SEWER SYSTEM

SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RGE. \_\_\_\_\_

APPROVED

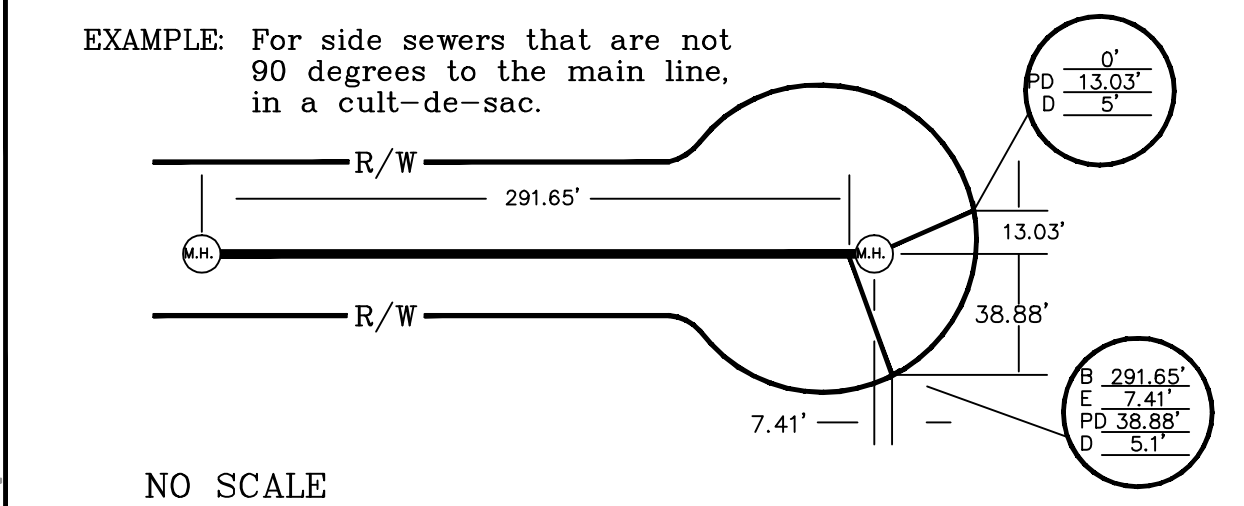
WATER RESOURCE MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
"PLAN APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE OF APPROVAL"



VICINITY MAP

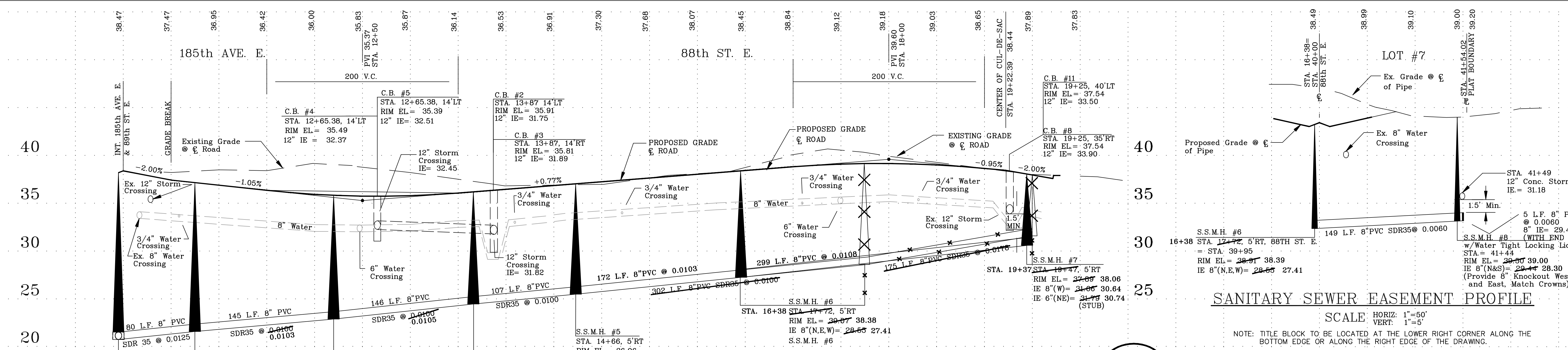
**LEGEND**

- WATER METER
- WATER VALVE
- EXISTING SANITARY SEWER MANHOLE
- STORM CATCH BASIN
- FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- PERMANENT EASEMENT LINE
- PROPOSED SANITARY SEWER PIPE LINE
- EDGE OF PAVEMENT
- PROPERTY LINE
- RIGHT-OF-WAY
- CONTOUR LINE @ 10' INTERVALS
- CONTOUR LINES @ 2' INTERVALS
- EXISTING STORM PIPE LINE
- EXISTING WATER PIPE LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER PIPE LINE
- EXISTING SANITARY SEWER MANHOLE (Profile View)



- ### CONSTRUCTION NOTES
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE PIERCE COUNTY SANITARY SEWER STANDARD SPECIFICATIONS AND THE PIERCE COUNTY SEWER UTILITY ADMINISTRATIVE CODE.
  - THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OF DISCOVERY OF POOR SOILS, STANDING GROUND WATER OR DISCREPANCIES FROM THE PLANS IN GRADES, LOCATIONS AND CONSTRUCTION OF UTILITIES, STRUCTURES AND OTHER EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF CONNECTION PRIOR TO CONSTRUCTION.
  - TESTING BY AIR OR WATER INFILTRATION IS REQUIRED ON ALL SEWERS INCLUDING DRY LINES. PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS AND UTILITIES REQUIRES A MINIMUM 24-HOUR ADVANCED NOTICE FOR SITE INSPECTION.
  - THE CONTRACTOR SHALL BE REGISTERED WITH THE PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS AND UTILITIES AND HAVE A VALID \$5,000.00 STREET OBSTRUCTION BOND.
  - PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS AND UTILITIES REQUIRES THAT THE OWNER OR REPRESENTATIVE, THE ENGINEER AND THE CONTRACTOR SCHEDULE A PRE-CONSTRUCTION CONFERENCE FOR ALL WORK ON THESE PLANS. THE CONFERENCE SHOULD BE SCHEDULED BY CALLING 593-4050 A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN NECESSARY PERMITS, EASEMENTS AND RELEASES.
  - ANY REVISIONS TO THESE PLANS, ONCE APPROVED BY PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS AND UTILITIES MUST BE REVIEWED AND REAPPROVED BY PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING SECTION PRIOR TO IMPLEMENTATION IN THE FIELD.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A SET OF THESE APPROVED PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
  - SIDE SEWER STUBS SHALL NOT BE INSTALLED LESS THAN 10 FEET FROM PROPERTY LINES.
  - ALL MANHOLES LOCATED IN NON-PAVED AREAS SHALL HAVE WATER TIGHT LOCKING LIDS AND CONCRETE COLLARS. ALL NON-WATERTIGHT MANHOLES SHALL BE PROVIDED WITH FROSCO PRECO SEWER GUARDS.
  - ALL NEW MANHOLES WILL BE PRECHANNELED WITH GU MANHOLE LINES.

- ### AS-BUILT DESIGN NOTES
- The sanitary sewer system shall be horizontally and vertically field as-built by a licensed engineer or land surveyor. If the as-built plan information is compiled by an engineer or surveyor other than the design engineer, the engineer or surveyor shall affix his (her) Engineer's or Land Surveyor's seal to the plan. The seal shall be signed and dated in accordance with current state laws.
  - All revisions to the original design plan must be submitted by the design engineer to the Department of Public Works and Utilities plan review section and approved prior to implementation in the field. Field revisions by the contractor without approval by the design engineer and Department of Public Works and Utilities plan review section will not be allowed.
  - Locations of all mainline sewers and manholes shall be shown as depicted on this plan. If the location of a manhole or the grade of sewer line changed (with approval of design engineer and approval of Department of Utilities), the old design location and/or slope will be crossed out on the plan and the new location and/or slope will be drafted on the plan.
  - All pipe lengths, rim & invert elevations, stationing that have been revised shall have the design information lined through and the new information to the right or left.
  - Side sewer location and data shall be listed in a 7/8" diameter circle with a leader to the end of the new side sewer stub. Listed below are the three different types of side sewer call outs:
    - A.) Side sewers that are normal to the main sewer line.
      - Distance from the "nearest downstream manhole" and the side sewer "tee" (to the nearest foot).
      - Length of side sewer from the centerline of the main to the end of the stub (to the nearest tenth of a foot).
      - Depth of the side sewer at its terminus (to the nearest tenth of a foot).
    - B.) Side sewers that are not 90 degrees to the mainline, such as from a wye in a cul-de-sac.
      - The first distance is measured from the "nearest downstream manhole" to the wye.
      - The second distance is measured from the "nearest downstream manhole" to the end of the side sewer stub at a point perpendicular to the sewer main line.
      - The perpendicular distance (PD) from the sewer mainline to the end of the side sewer (to the nearest tenth of a foot).
      - Depth of the side sewer at its terminus (to the nearest tenth of a foot).
    - C.) Side sewers that are out of manholes, such as on a dead end run.
      - Distance of the side sewer stub terminus to the downstream manhole.
      - The perpendicular distance (PD) from the sewer mainline to the end of the side sewer stub.
      - Depth of the sewer stub at its terminus (to the nearest tenth of a foot).



ENGINEER'S LAND SURVEYOR'S STAMP SIGNATURE AND DATE	<b>SANITARY SEWER SYSTEM AS-BUILT</b>		ENGINEER'S STAMP SIGNATURE AND DATE	DEVELOPER/PROPERTY OWNER ADDRESS TELEPHONE		ENGINEER OR FIRM NAME: ADDRESS AND PHONE NUMBER (Plans to be stamped, signed & dated by Professional Engineer)			
	Engineer's/Land Surveyor's Signature      Date			DATE: 04/10/95		DESIGN	DRAWN	CHECKED	JOB NO.
				SCALE: HORIZ: 1"=50' VERT: 1"=5'	DATE	APPD.	SHT. OF SHTS.		