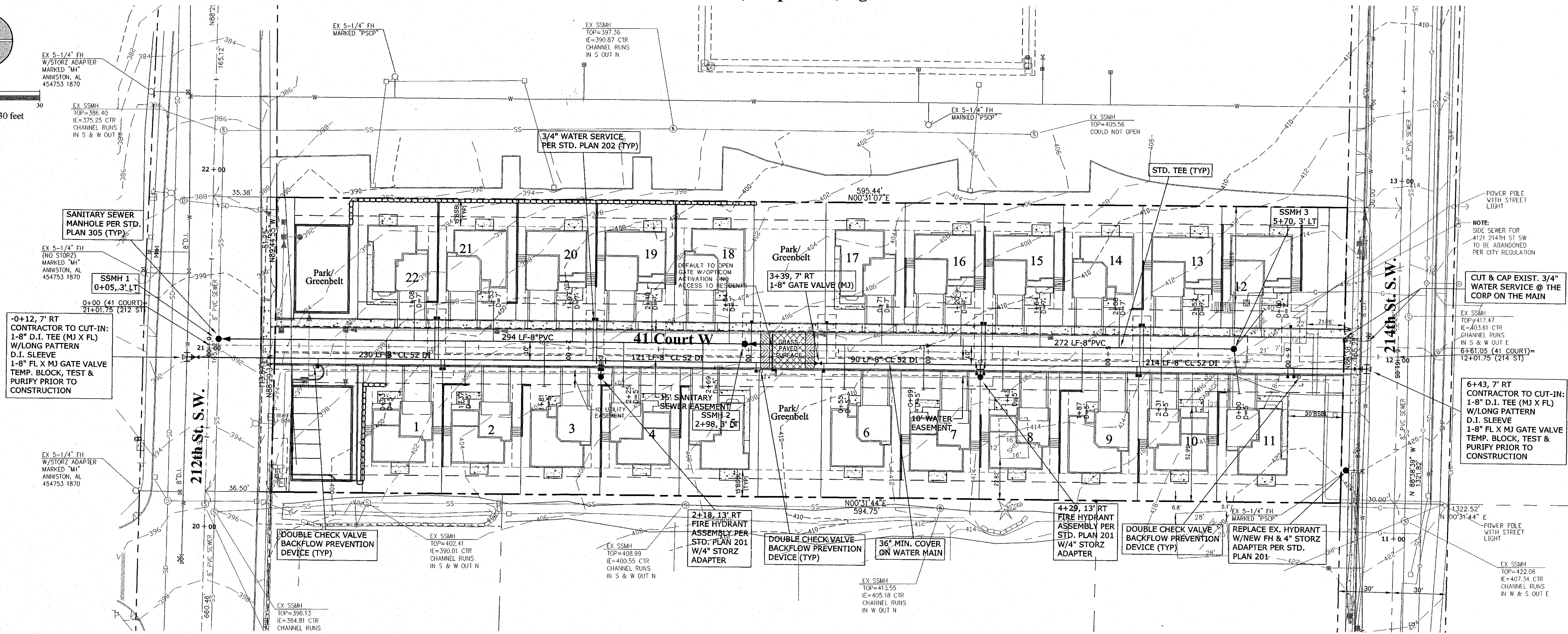
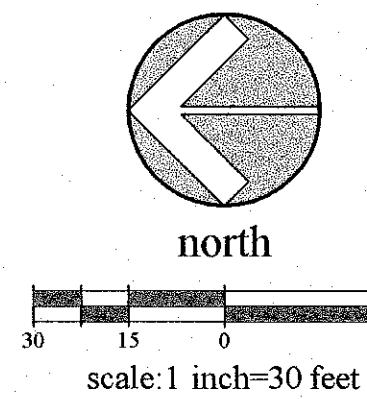


NW 1/4 NW 1/4 Sec. 27, Twp. 27 N, Rge. 4 E.W.M.



WATER GENERAL NOTES

- All work and materials shall be in accordance with the "Standard Specifications for Road, Bridge, and Municipal Construction," Washington State Department of Transportation and American Public Works Association, Washington State Chapter, current edition, together with the latest edition of the City of Mountlake Terrace Engineering Standards.
- An approved copy of these plans must be on site whenever construction is in progress.
- It shall be the sole responsibility of the contractor to obtain street use and any other related permits prior to any construction activity in City right-of-way.
- Prior to any construction activity, the City of Mountlake Terrace Engineering Department (776-1161) must be contacted for a preconstruction meeting.
- All locations of existing utilities shown hereon have been established by field survey or obtained from available records and should therefore be considered approximate only and not necessarily complete. It is the sole responsibility of the contractor to independently verify the accuracy of all utility locations shown, and to further discover and avoid any other utilities not shown hereon which may be affected by the implementation of this plan. The contractor shall contact the utilities underground location service (1-800-424-5555) prior to construction. The owner or his representative shall be immediately contacted if a utility conflict exists.
- The water main distribution system shall be constructed according to the approved plans which are on file on the City of Mountlake Terrace Engineering Department. Any deviation from the approved plans will require written approval from the proper agency.
- Connections to existing facilities shall be sealed off until construction is completed. No connections will be allowed until the new water mains have passed all pressure and purity tests.
- Water main pipe, bedding and trench compaction:
 - All water main pipe to be cement lined, Class 52 ductile iron, conforming to Standard Specifications 9-30.1(1). Cement mortar lining and seal coating shall conform to ANSI/AWWA C110/A21.10-82, or latest revision.
 - Pipe joints to be push-on, mechanical or flange joints.
 - All water main pipe fittings to be cement lined, Class 250 cast iron, conforming to ANSI/AWWA C110/A21.10-82, or latest revision.
 - Pipe bedding shall be 5/8" minus or as directed by the engineer or as designated on the plan.
 - All water main cement concrete thrust blocks to conform to standard details shown on the plans.
 - All water main trench backfill shall be compacted to minimum 95% dry optimum density per A.S.T.M. D-1557-70 (modified Proctor) prior to testing water mains for acceptance.
- Maintain a minimum cover of 36" over finished grade on all water main pipe. Where utility conflicts occur, other than sanitary sewer water mains are to be lowered to clear. See "Criteria for Sewage Design", Washington State Department of Ecology for sewer conflicts. Lines shall be marked and staked for line and grade.
- All water mains shall be pressure tested and disinfected in accordance with the specifications of the Washington State Health Department and City of Mountlake Terrace Standard Plan No. 209. All inspection and pressure testing shall be done in the presence of, and under the supervision of, the City Engineer and/or his representative.
- Contractor to provide plugs and/or temporary blow-off assemblies for testing and purity acceptance prior to final tie in.
- All gate valves to be resilient seated and shall be manufactured to meet or exceed the requirements of A.W.W.A. Standard C-509, or latest revision. 12" valve installations require butterfly valves.
- Fire Hydrants:
 - All fire hydrants shall conform to the City of Mountlake Terrace Standard Plan No. 201.
 - All fire hydrant ports shall face perpendicular to curb and toward driveway as shown on the plans.
- Water Main Services:
 - All water main service lines to be type "K" copper. Service connections shall be in accordance with City of Mountlake Terrace Standard Plan No. 202 or No. 203 (double straps and corporation stops).
 - Water meters 2" and smaller to be supplied and installed by the City of Mountlake Terrace.
- The water main shall be set a minimum of 5 feet toward the roadway centerline from the curb. Buildings shall not be permitted within 10 feet, or carports within 5 feet, of the spring line of any water main where applicable, unless otherwise shown on the plans.
- All water mains not in public right-of-way require 10 foot wide easements to the City of Mountlake Terrace.
- All valves, existing and new, shall be operated only by the City of Mountlake Terrace. NO EXCEPTIONS!
- A state approved backflow prevention device must be installed on all irrigation systems, fire systems, industrial water systems, and any other water connection that may have a possibility of a cross contamination connection as determined by the City's certified cross connection technician.
- Construction of dewatering systems shall be in accordance with Standard Specification Section 7-11.3(1).
- An as built water plan shall be submitted for all developments, short plats and subdivisions.
- All tapping sleeves shall be cast iron MJ or as designated by the City Engineer.
- Where the underground supply tees off to service only a fire sprinkler system, a separate detailed plan must be submitted and approved by the Fire Marshal prior to installation.

PLAN APPROVAL SUBJECT TO FIELD INSPECTION AND APPROVAL INCLUDING COMPLIANCE WITH ALL APPLICABLE CODES AND LAWS OF CITY OF MOUNTLAKE TERRACE

IT SHALL NOT BE CONSTRUED THAT THE PLAN REVIEW WARRANTS OR GUARANTEES THE COMPLETENESS OR CORRECTNESS OF THE PLAN OR DRAWINGS SUBMITTED AS PERTAINS TO APPLICABLE CODES OR LAWS. ALL REVIEWS ARE SUBJECT TO FIELD INSPECTION AND APPROVAL. ALL CHANGES OR AMENDMENTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO EXECUTION.

24 HOUR NOTICE
REQUIRED PRIOR TO NEED FOR INSPECTION. CALL 24 HOUR REQUEST LINE 775-9694

CITY OF MOUNTLAKE TERRACE
APPROVED PLAN

DATE: _____

BY: _____

SHALL REMAIN ON JOB SITE

RECORD DRAWING
(AS-BUILTS)

C-03-011

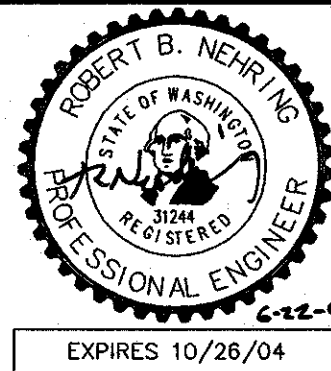
CALL BEFORE YOU DIG
1-800-424-5555

For:
Real Estate Technologies, Inc.
GARY PRIMEAU
3213 WETMORE AVE. STE. 13
EVERETT, WA 98201
TEL: (425) 303-0504
FAX: (425) 303-1823

NO.	REVISION	DATE

CONSTRUCTION SET
APPROVED FOR CONSTRUCTION

GWP RBN DATE



SOUND DESIGN ENGINEERING
ROBERT NEHRING, P.E.
3216 WETMORE AVE. STE. 206
EVERETT, WA 98201
TEL: (425) 258-9567
FAX: (425) 259-3821

Crystal Terrace
SEWER AND
WATER PLAN

JOB NO.
DATE: JUNE 2003
DRAWN BY: VK
CHECKED BY: RBN
SHEET C7 OF 9

303-03-8