

# SANITARY SEWER 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, 1984 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 (771-1161) must be contacted for a pre-construction 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 effected 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.
- Locations of roadway, buildings and parking areas shown hereon are approximate. For exact, dimensional locations of these improvements, see the architectural site plan. Improvement locations shall be field set by the engineer as required.
- Locations of structures shown hereon are approximate. Exact locations shall be field set by the engineer.
- The sanitary sewer system shall be constructed according to the approved plans which are on file in the City of Mountlake Terrace Engineering Department. Any deviation from the approved plans will require written approval from the proper agency.
- Cement concrete protection arch caps (see detail) shall be placed around the existing concrete sanitary sewer trunkline wherever any filling occurs over the pipe. Reinforced concrete arch caps (see detail) shall be placed around the existing concrete sanitary sewer trunk line wherever total pipe cover exceeds 14 feet in depth, or if a roadway is placed over the pipe.
- All new sanitary sewer lines shall be sealed off at the existing trunk connection point until all upstream construction is completed, cleaned, tested, lamped and accepted by the City of Mountlake Terrace. All construction debris and water shall be removed from pipe prior to opening seal.
- New connections to existing facilities shall be sealed off until upstream construction is completed, tested, cleaned and accepted. All construction debris and water shall be removed from pipe prior to opening seal.
- Prior to constructing sewer services, the necessary building corners must be set.
- Manholes and Lids:
  - All manholes shall be A.P.W.A. Standard Plan No. 34 (48" I.D.) type, with eccentric cones. Conforms to City of Mountlake Terrace Std. Plan No. D-16. (See non-shrink grout spec.)
  - Manholes No. 1 and E-6 shall be constructed with outside drop connections conforming to A.P.W.A. Standard Plan No. 43.
  - All manholes shall have a minimum drop of 0.18 feet between inverts.
  - All manholes not in paved areas shall have locking lids.
  - It shall be the responsibility of the contractor to adjust all manhole tops to match final asphalt elevations and ground elevations in landscaped areas.
- Sewer Pipe, Bedding and Trench Compaction:
  - All sewer pipe shall be one of the following as designated:
    - P.V.C. conforming with A.S.T.M. D-3034, SDR 35.
    - Ductile Iron, Class 50, conforming to A.A.W.A. C151.
    - Pipe may be any of the above provided: a). Pipe joints must be of the same materials, and b). Where a pipe material is specifically shown on the plan, that material must be used.
    - Minimum pipe cover at manholes shall be 6.0 feet and 5.0 feet between runs.
  - Pipe bedding shall be A.P.W.A. Type 'F' with material conforming to Section 9-30.7 A (2).
  - Trench backfill shall be compacted to minimum 92% dry optimum density per A.S.T.M. D-1557-70 (modified Proctor) prior to testing sewer lines for acceptance.
- Side Sewer Laterals:
  - Side sewers shall be 6" min. dia. at 2.0% minimum slope.
  - Side sewer connection stations are measured from the nearest downstream manhole.
  - Side sewers shall be tested for leakage at the same time the main line sewer is tested. If not tested together, provide test tees at sewer main connections.
  - Buildings with greater than 10 units shall be serviced by one of the following methods:
    - Double 6" dia. services connected to trunk by standard tees or into manholes.
    - Single 8" dia. service with cleanout, connected to trunk into manholes ONLY. (Alternate connection methods are depicted on plans)
  - All lateral connections to sewer mains shall be made with a wye or sweeping tee.
- Construction of dewatering (groundwater) system shall be in accordance with the A.P.W.A. Standard Specifications, Section 61-3.02.
- Whenever sewers must cross under watermain, the sewer shall be laid at such an elevation that the top of the sewer line is at least 36 inches below the bottom of the watermain.
- Buildings shall not be permitted within 10 feet, or carports within 5 feet, of the springline of any sanitary sewer pipe.
- Voided
- Prior to occupancy, the developer shall grant 10' wide sanitary sewer easements to the City of Mountlake Terrace through the three separate parcels located west of Cedar Way. These easements shall be prepared such that the City may construct a sanitary sewer trunk line in the vicinity of the existing creek traversing the parcels. Exact location will be determined upon preparation of future design plans. Easements shall state "non-defined location."
- Cleanouts shall be provided at the right-of-way line for laterals entering the public right-of-way.

| NO. UNITS | BUILDINGS   |
|-----------|---|
| 20        | I, J, K & R   |
| 24        | A, B, C, D, E, F, G, H, L, M, N, O, P, Q, S, T, U, V, W & X |

SEE GENERAL NOTE NO. 15-D FOR SIDE SEWER METHODS FOR SERVICE.

| NO. | DESCRIPTION   | BY  |
|-----|---|-----|
| 1   | 5-5-86 Relocated Bldg X, Rec. Pool & Parking                        | DLP |
| 2   | 1-3-86 Field Change Revisions - Revised Bldgs G & H & SLD           | SLD |
| 3   | Revised Sewer   | SLD |
| 4   | 10-23-86 REVISED PER CITY OF MOUNTLAKE TERRACE                      | SLD |
| 5   | 5-26-87 GENERAL REVISIONS PER CITY OF MOUNTLAKE TERRACE ENGINEERING | SLD |

**LINCOLN PROPERTY CO.**  
1745 114TH AVE. S.E., SUITE 100  
BELLEVUE, WASHINGTON 98004

**CREEKSIDE VILLAGE APARTMENTS**

**SANITARY SEWER PLAN**  
(206) 454-3743 OR 885-7877

**DODDS ENGINEERS, INC.**  
4205-148th AVENUE NORTHEAST  
BELLEVUE, WASHINGTON 98007

|       |                          |      |           |
|-------|--------------------------|------|-----------|
| DWN   | L.G. WIGHT               | BOOK | PROJ. NO. |
| SVD   |                          | DATE | 84121     |
| APP'D | STEVEN L. BORNEMAN, P.E. | DATE | 12-16-85  |

SHEET 16 OF 20



8-20-85  
REVISED 9-26-85  
REVISED 1-5-86  
REVISED 5-5-86

**AS CONSTRUCTED**

DATE: 12-17-86

(NORTH PORTION)

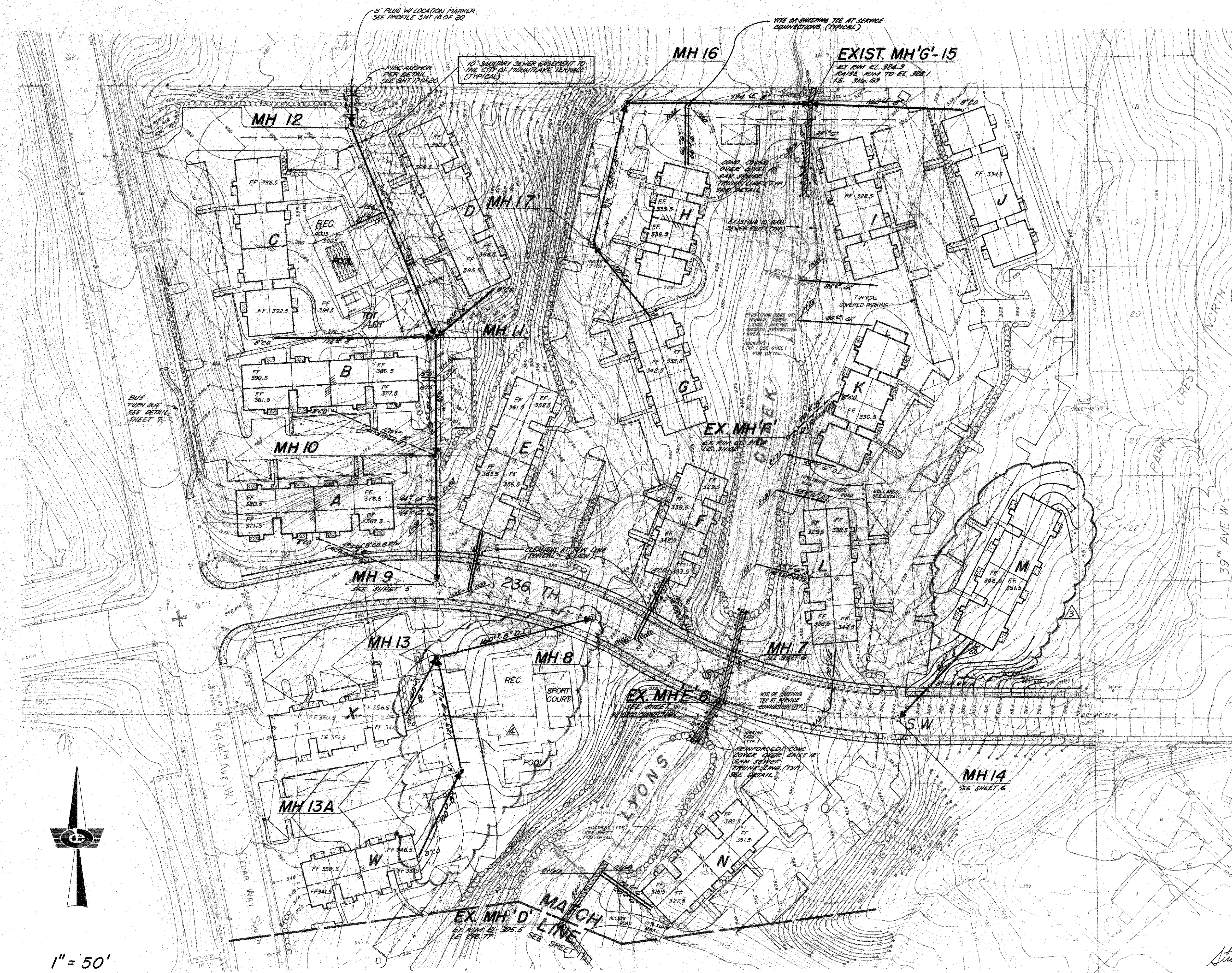
SEWERAGE UNIT 9-3A

128-85-16

ORIGINAL IN SEWER FILE

NOTE: SEE SHEET 18 OF 20 FOR PROFILES

APPROVED FOR CONSTRUCTION: *Joel E. Buchanan* 10/24/85  
Approved as Revised: *10/25/85*  
Approved as Revised: *5/5/86*



1" = 50'