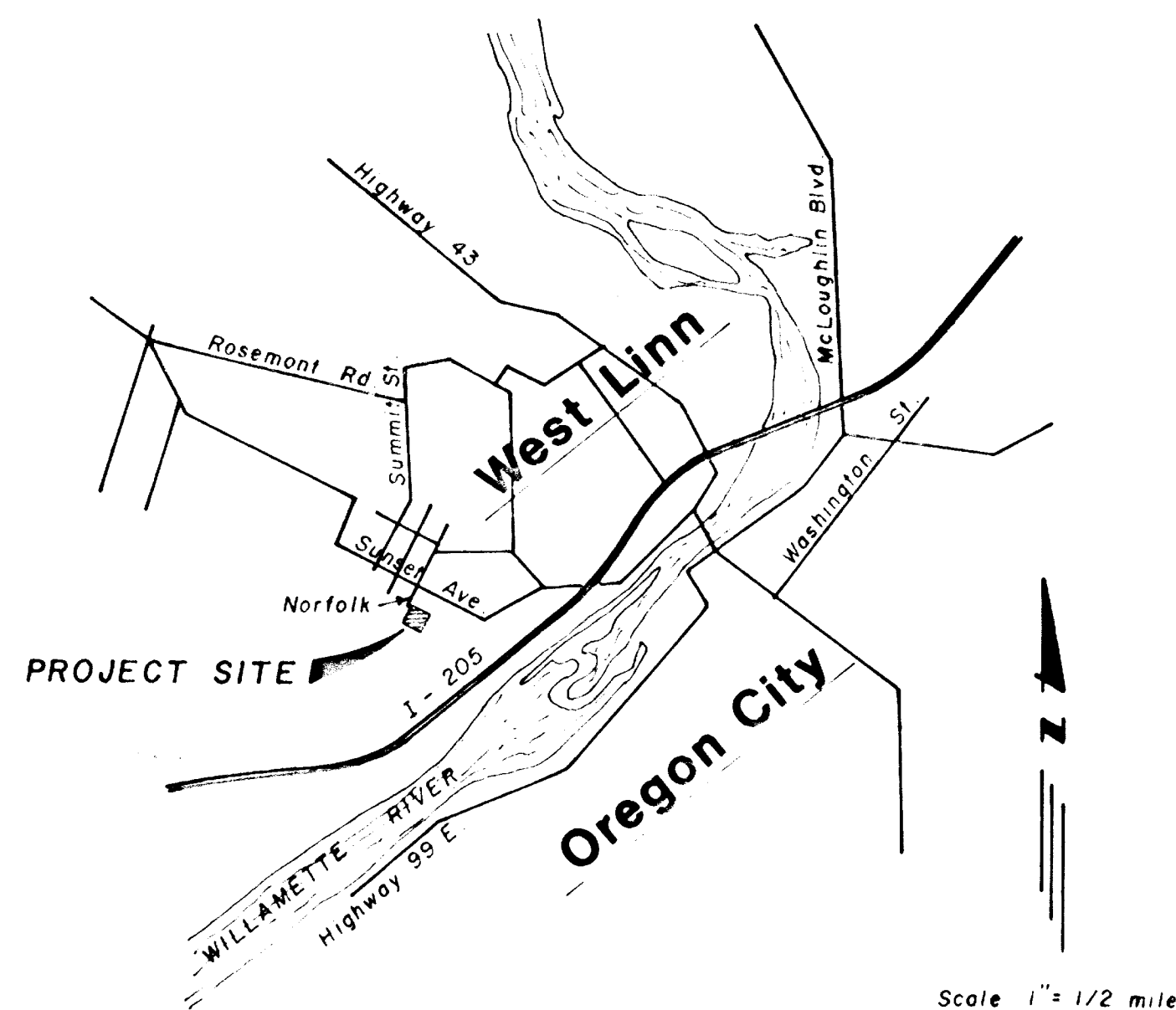




VICINITY MAP

SITE IMPROVEMENTS FOR NORFOLK HEIGHTS SUBDIVISION

OWNER - DEVELOPER : D.L. Pahlisch Builder, Inc.

5237 Summit Street

West Linn, Oregon 97068

SURVEYOR : Gaylord Land Surveying

15000 S.E. Linden Lane

Milwaukie, Oregon 97222

(503) 654 - 1492

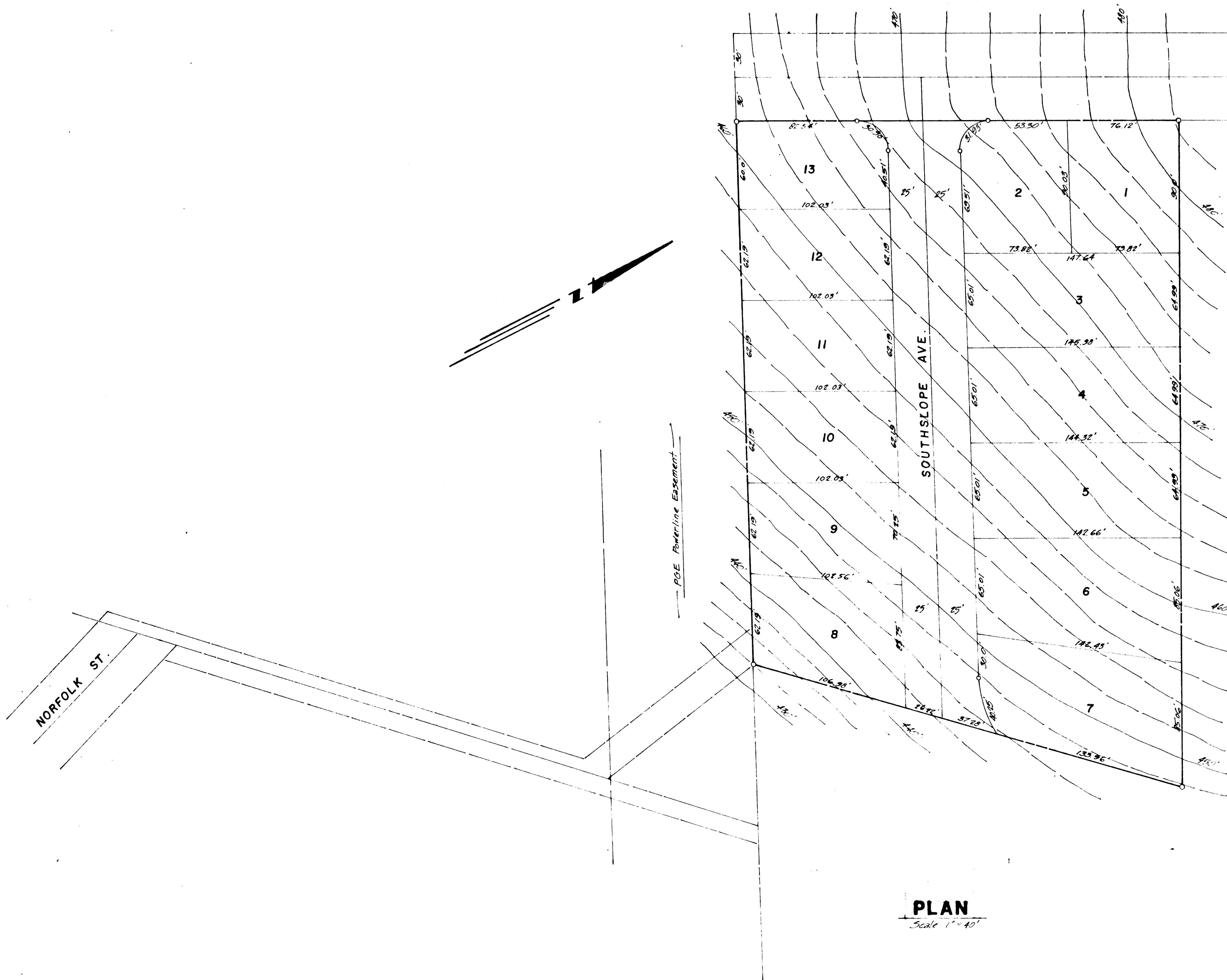
ENGINEER : Technical Engineering Corporation

8835 S.W. Canyon Lane

Suite 405

Portland, Oregon 97225

(503) 297 - 3721



PLAN
Scale 1"=40'

CONSTRUCTION NOTES

A. GENERAL

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED AS PER CITY OF WEST LINN STANDARDS AND ALL APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" OF THE OREGON CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, 1980 EDITION.
2. THE CONTRACTOR SHALL DO ALL THE WORK SHOWN ON THE PLANS AND ALL INCIDENTAL WORK CONSIDERED NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PHASES.

B. STREET CONSTRUCTION

1. ALL TREES, BRUSH AND DEBRIS WITHIN THE LIMITS OF THE RIGHT-OF-WAY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
2. ALL AREAS OF CONSTRUCTION SHALL BE STRIPPED. STRIPPING SHALL CONSIST OF REMOVING THE TOPSOIL HUMUS. STRIPPED MATERIALS SHALL BE DISPOSED OF ON THE SITE IN AREAS DESIGNATED BY THE ENGINEER.
3. EMBANKMENT SHALL BE CONSTRUCTED FROM EXCAVATED MATERIAL ACCEPTABLE TO THE ENGINEER AND SHALL BE BROUGHT TO GRADE IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE. EACH LIFT SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS OBTAINED BY ASSHO T-180 COMPACTION TEST.
4. STREET BASE, ASPHALTIC CONCRETE PAVEMENT AND CURB & GUTTER SHALL BE AS SHOWN ON THE DETAIL SHEET AND AS OUTLINED IN THE ABOVE MENTIONED SPECIFICATIONS.

C. STORM SEWERS

1. STORM SEWER PIPE SHALL BE OF THE SIZE NOTED ON THE PLANS. PIPE SHALL BE TONGUE AND GROOVE CONCRETE PIPE AND SHALL CONFORM TO ASTM C-14 SPECIFICATION FOR EXTRA STRENGTH CONCRETE PIPE. CATCH BASINS SHALL BE OF THE TYPE SHOWN ON THE DETAIL SHEET.
2. INSTALLATION OF THE STORM SEWER SYSTEM SHALL BE DONE ACCORDING TO STANDARD PRACTICES. ALL BACKFILL IN PUBLIC RIGHT-OF-WAY SHALL BE 2"-0 COMPACTED CRUSHED ROCK.

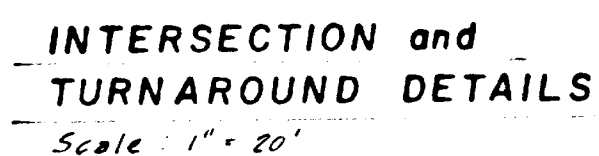
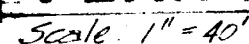
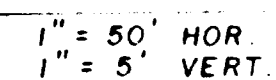
D. SANITARY SEWER

1. SANITARY SEWER PIPE SHALL BE OF THE SIZE NOTED ON THE PLANS. PIPE SHALL BE CONCRETE SEWER PIPE AND SHALL CONFORM TO ASTM C-14, CLASS 2.
2. INSTALLATION OF THE SANITARY SEWER PIPE AND CONSTRUCTION OF MANHOLES SHALL BE DONE ACCORDING TO STANDARD PRACTICES. ALL BACKFILL IN PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR MATERIAL. (SELECT)
3. AFTER STREET CONSTRUCTION, BUT PRIOR TO PAVING, SANITARY SEWER SHALL BE AIR PRESSURE TESTED.

E. WATER SYSTEM

1. ALL WATER PIPE SHALL BE DUCTILE CAST IRON, CLASS 52, WITH PUSH-ON JOINTS. ALL FITTINGS SHALL BE MECHANICAL JOINT CONFORMING TO ANSI A-21.11. ALL FITTINGS SHALL BE CLASS 250.
2. HYDRANTS SHALL CONFORM TO AWWA C-502 AND SHALL BE APPROVED BY THE CITY OF WEST LINN.
3. ALL PIPE SHALL HAVE A MINIMUM 36" COVER MEASURED FROM FINISHED GRADE. ALL TEES, BENDS, ELBOWS AND CHANGES IN DIRECTION OF 11 1/2 DEGREES OR GREATER SHALL BE SECURELY BLOCKED USING 3,000 PSI CONCRETE POURED AGAINST UNDISTURBED GROUND AS SHOWN ON THE DETAIL SHEET.
4. ALL BACKFILL IN PUBLIC RIGHT-OF-WAY SHALL BE APPROVED GRANULAR MATERIAL.
5. UPON COMPLETION OF INSTALLATION OF THE WATER SYSTEM, ALL LINES SHALL BE TESTED, FLUSHED AND DISINFECTED IN CONFORMANCE WITH HEALTH DIVISION GUIDELINES.

12-84 T.L.A. "As - Built"	
 TECHNICAL ENGINEERING CORP. 8835 S.W. CANYON LANE SUITE 405 PORTLAND, OREGON 97225 (503) 297-3721	
CLIENT: D.L. PAHLTSC BUILDER, INC. 5237 Summit St. West Linn	
PROJECT: NORFOLK HEIGHTS West Linn Oregon	
DRAWING TITLE: SITE PLAN & CONSTRUCTION NOTES	
	DRAWN BY: JDJ
	CHECKED BY: TLA
	SCALE: AS SHOWN
	MARCH, 84 84-246
SHEET 1 OF 6	

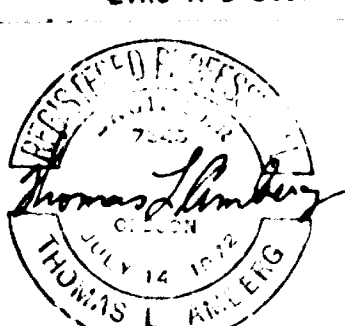



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ENGINEERING CORP.**
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 PORTLAND, OREGON 97225
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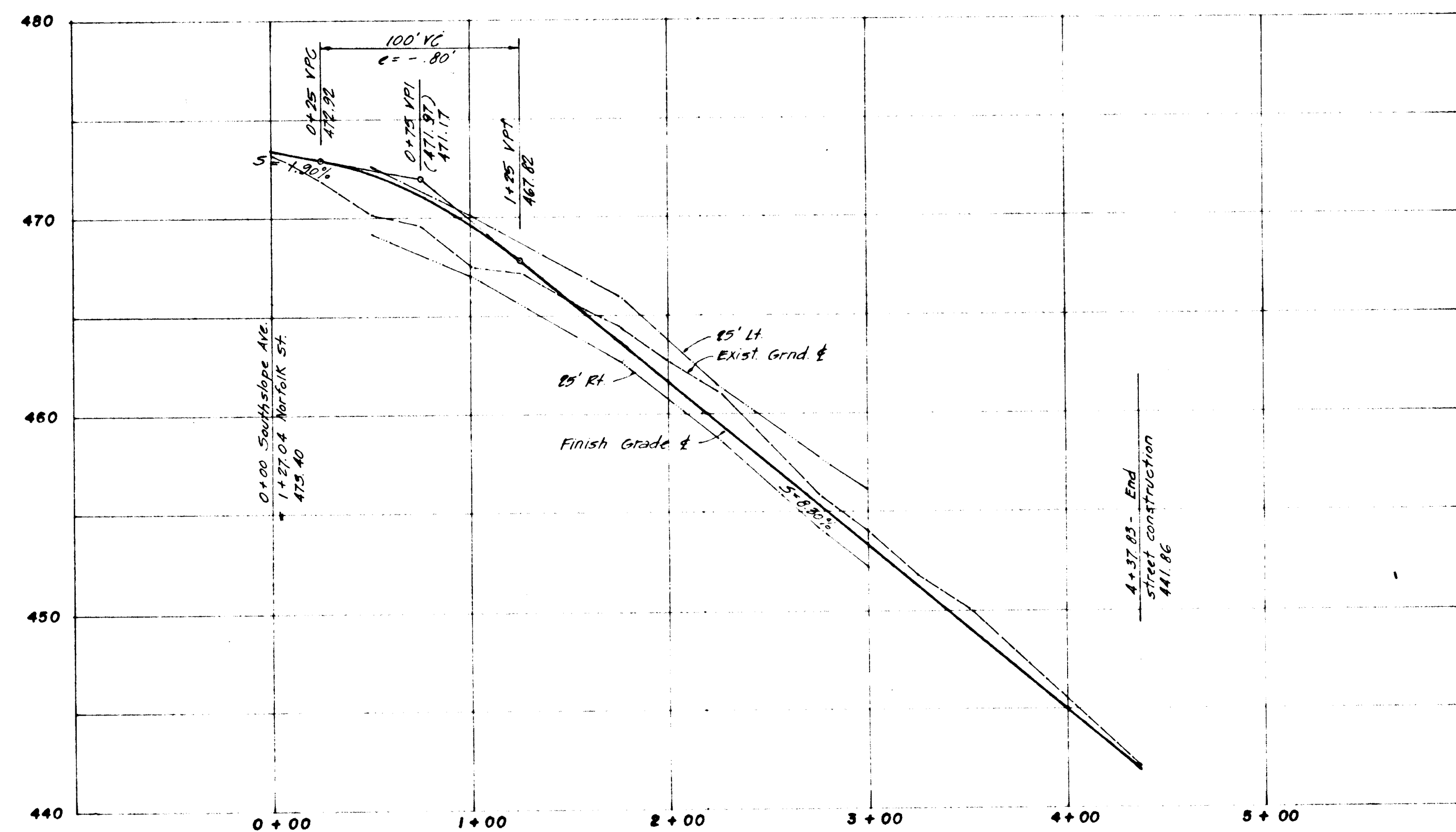
CLIENT: **D.L. PAHLISCH BUILDER, INC.**
 5237 Summit St. West Linn

PROJECT: **NORFOLK HEIGHTS**
 West Linn Oregon

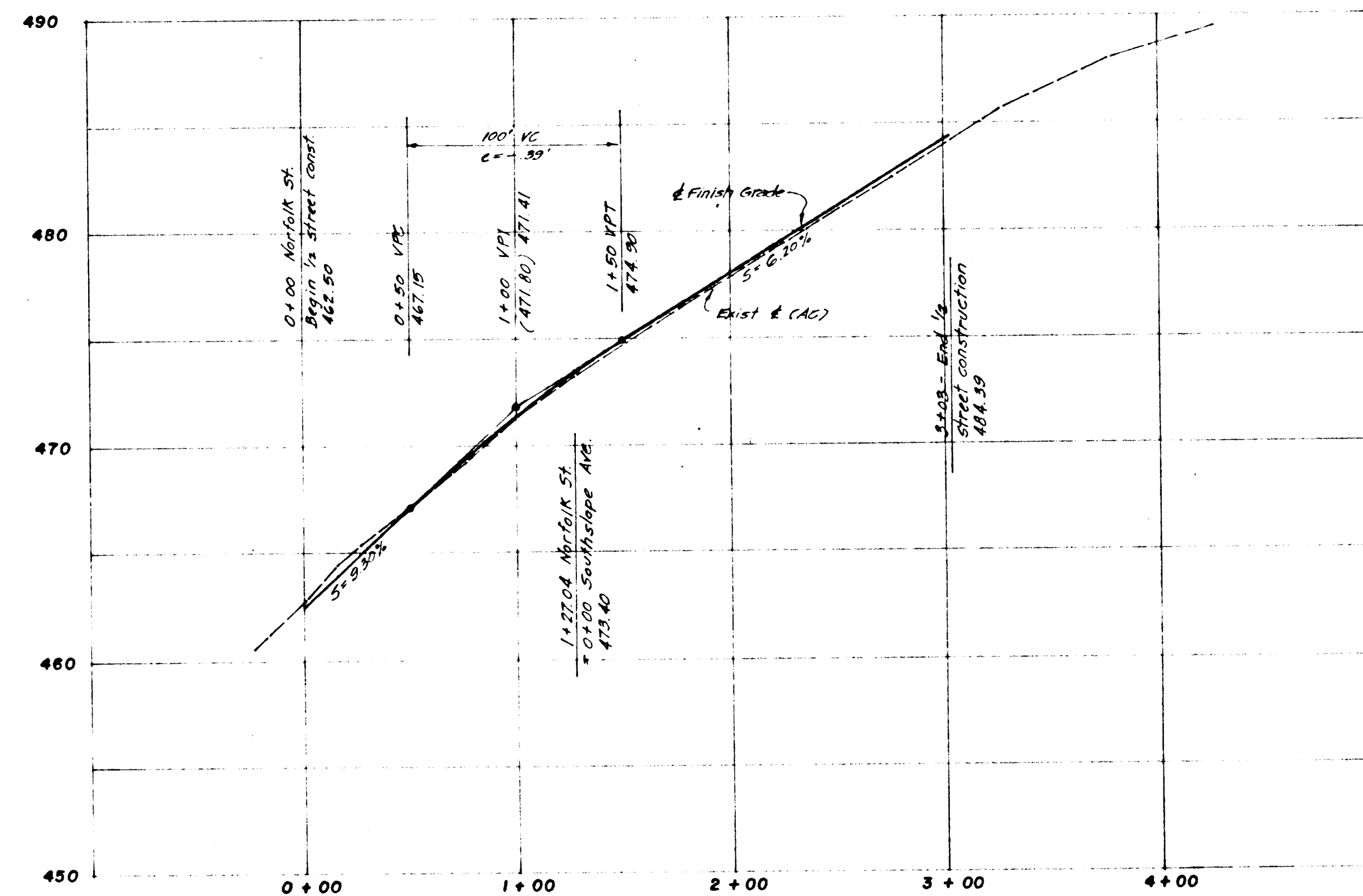
DRAWING TITLE: **STREET & STORM SEWER PLAN**
Line A-1 Storm Sewer Profile



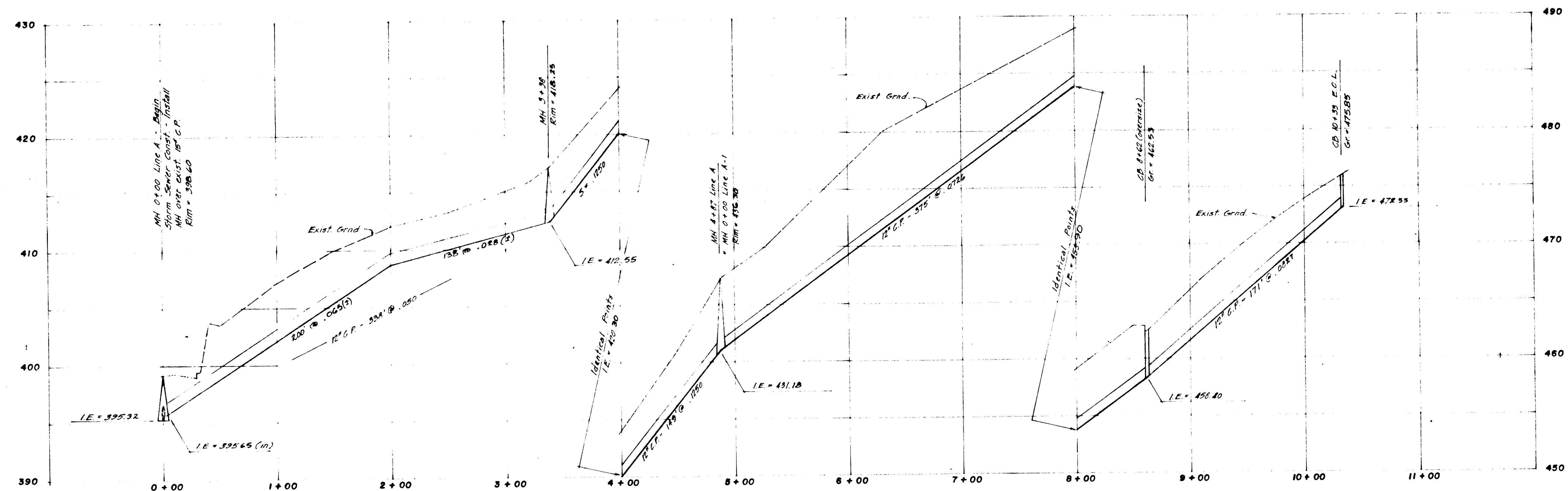
DRAWN BY: JDJ
 CHECKED BY: TLA
 SCALE: AS SHOWN
 MARCH, 04 84-246
 SHEET OF
 2 6



SOUTHSLOPE AVENUE
 1" = 50' HOR.
 1" = 5' VERT.

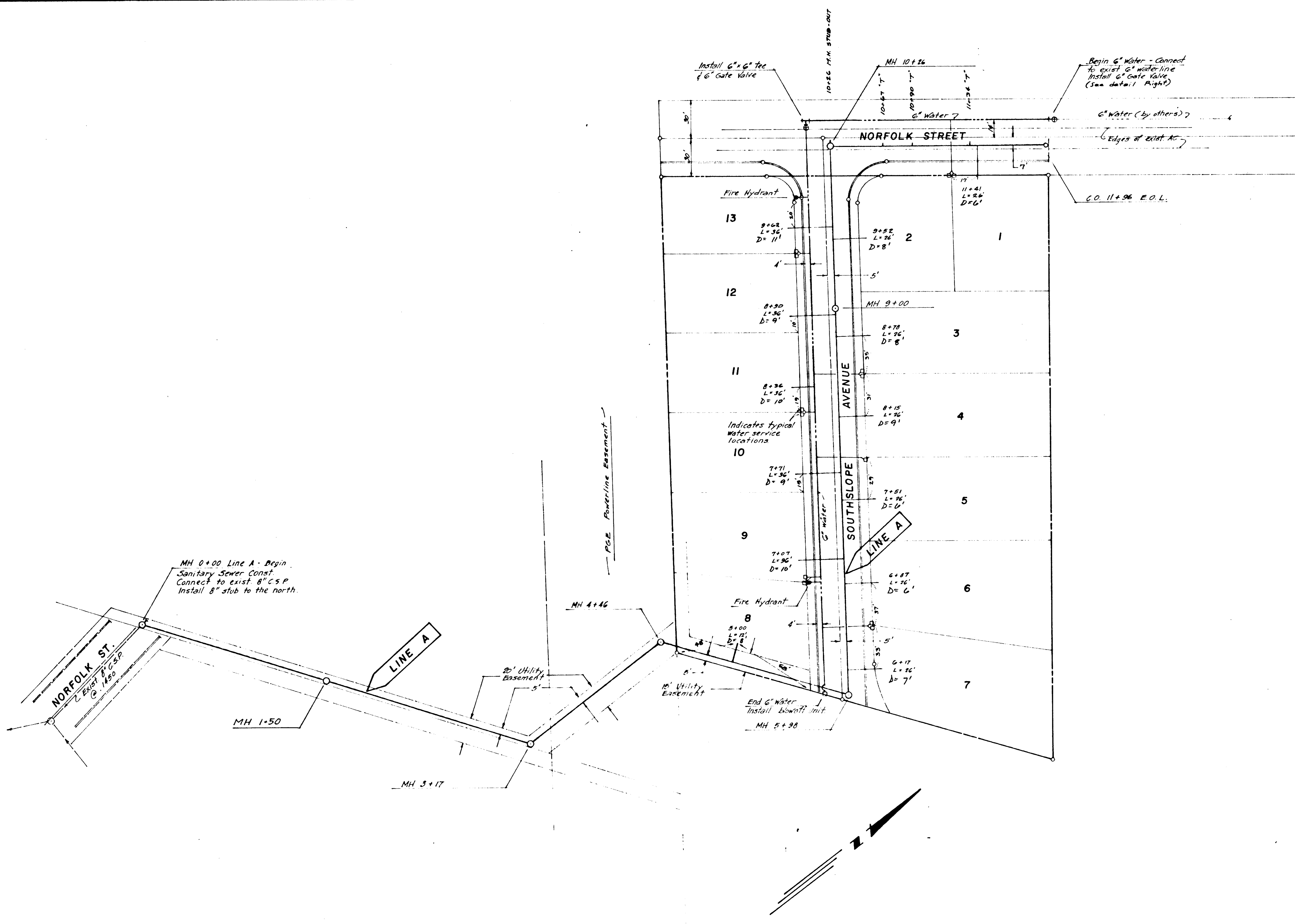


NORFOLK AVENUE
 1" = 50' HOR.
 1" = 5' VERT.



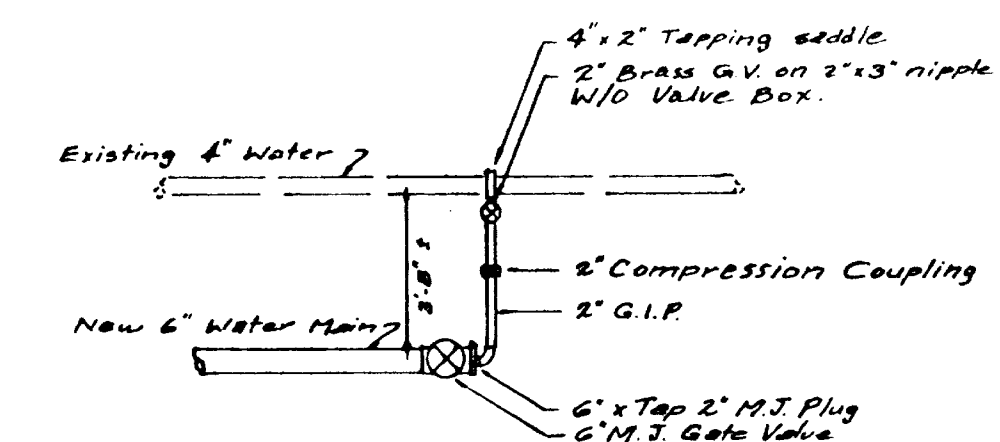
LINE A : STORM SEWER
 1" = 50' HOR.
 1" = 5' VERT.

 TECHNICAL ENGINEERING CORP. 8835 S.W. CANYON LANE SUITE 405 PORTLAND, OREGON 97225 (503) 297-3721	
CLIENT: D.L. PAHLTCH BUILDER, INC. 5237 Summit St. West Linn	
PROJECT: NORFOLK HEIGHTS West Linn Oregon	
DRAWING TITLE: STREET & STORM SEWER PROFILES Southslope & Norfolk Sts. - Line A	
	DRAWN BY: J.D.J. CHECKED BY: T.L.A. SCALE: AS SHOWN MARCH, 84 84-246 SHEET 3 OF 6



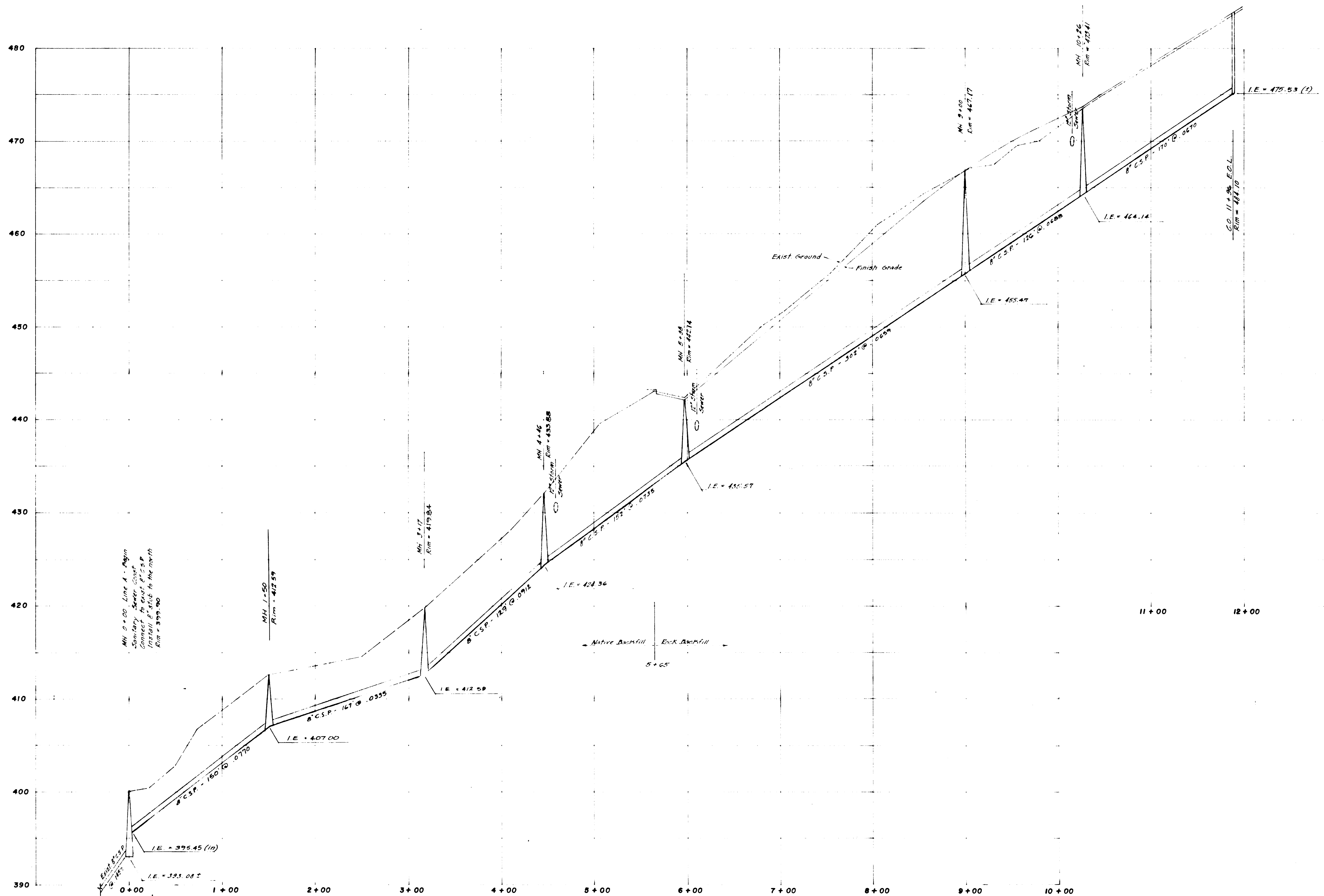
PLAN

Scale: 1" = 40'

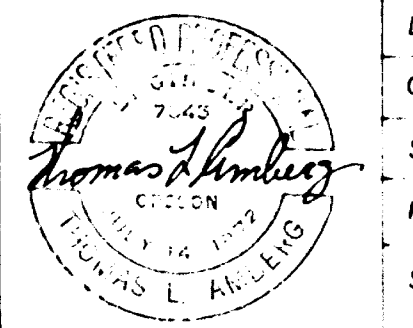


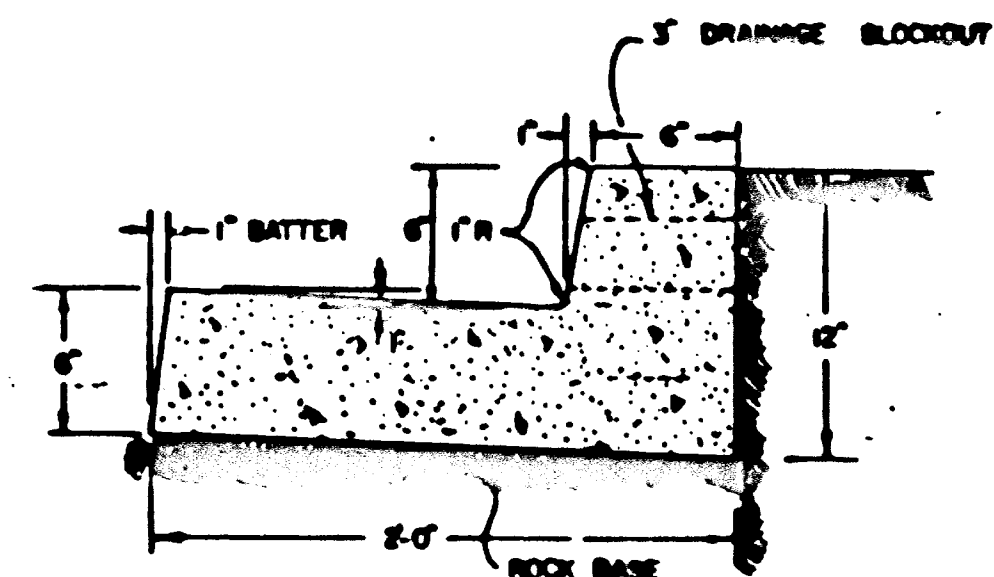
TEMP WATER CONNECTION

12-84 T.L.A. "As-Built"	
 TECHNICAL ENGINEERING CORP. 8835 S.W. CANYON LANE SUITE 405 PORTLAND, OREGON 97225 (503) 297-3721	
CLIENT:	D.L. PAHLISCH BUILDER, INC. 5237 Summit St. West Linn
PROJECT:	NORFOLK HEIGHTS West Linn Oregon
DRAWING TITLE:	SANITARY SEWER & WATER PLAN
DRAWN BY: JDJ	CHECKED BY: T.L.A.
SCALE: AS SHOWN	MARCH, 84 84-246
SHEET 4	OF 6



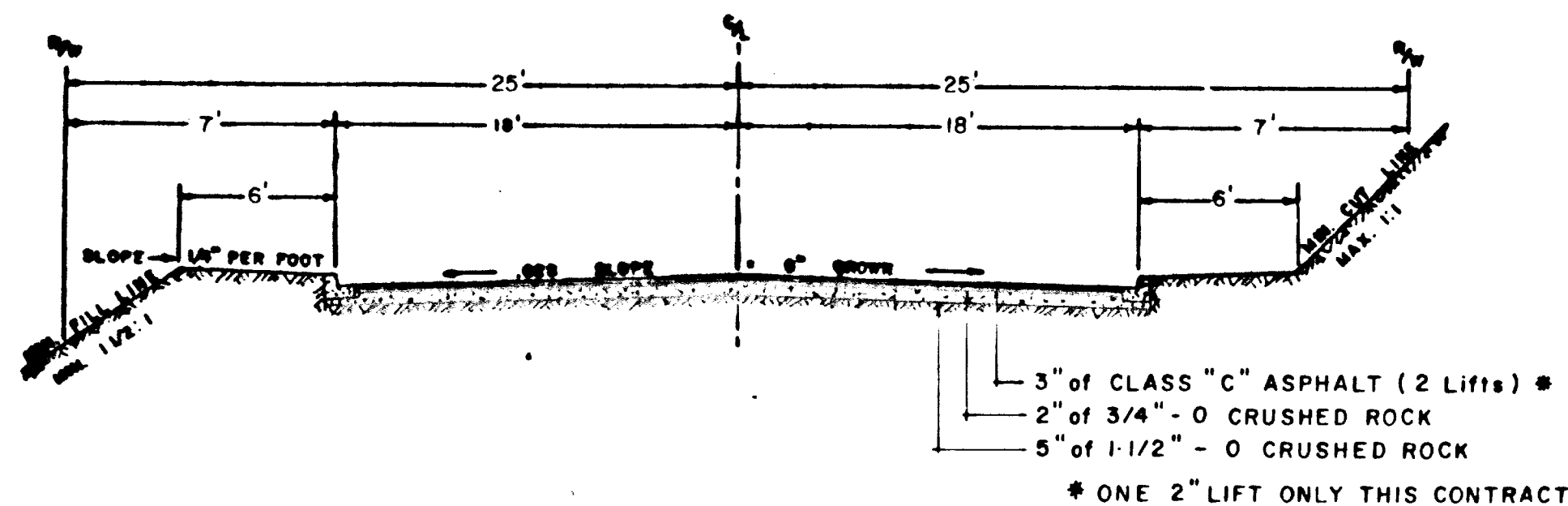
LINE A : SANITARY SEWER
 1" = 50' HOR.
 1" = 5' VERT.

 TECHNICAL ENGINEERING CORP. 8835 S.W. CANYON LANE SUITE 405 PORTLAND, OREGON 97225 (503) 297-3721	
CLIENT: D.L. PAHLISCH BUILDER, INC. 5237 Summit St. West Linn	
PROJECT: NORFOLK HEIGHTS West Linn Oregon	
DRAWING TITLE: SANITARY SEWER PROFILES Line A	
	DRAWN BY: JDJ CHECKED BY: TLA SCALE: AS SHOWN MARCH, 84 84-246 SHEET 5 OF 6

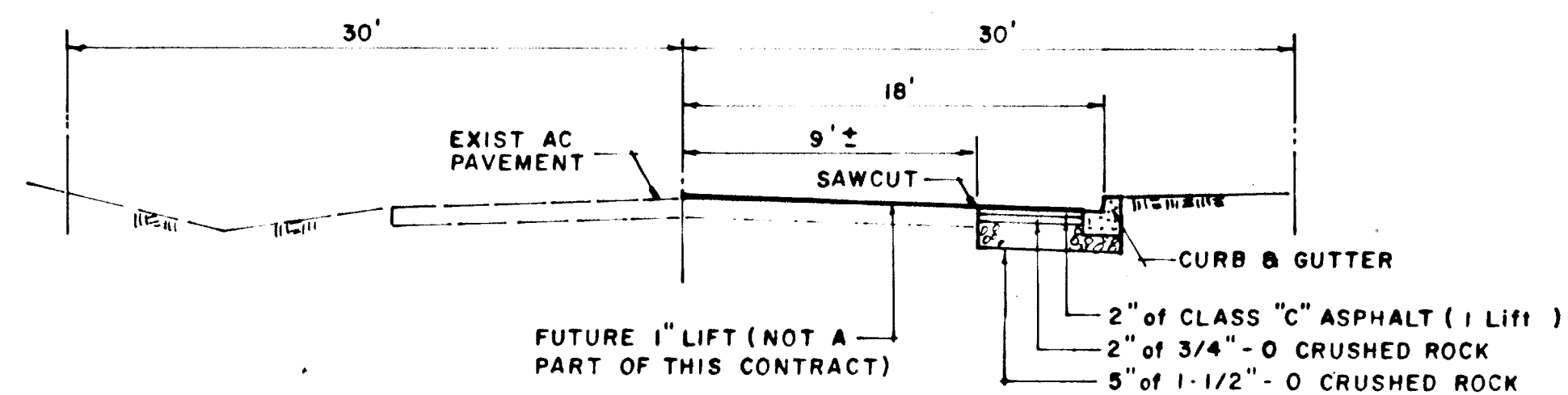


1. CONCRETE TO HAVE A BREAKING STRENGTH OF 3000 P.S.I. AFTER 28 DAYS.
2. EXPANSION JOINTS
 - A. TO BE PROVIDED AT EACH POINT OF TANGENCY OF THE CURB
 - 1) AT EACH COLD JOINT
 - 2) ON EACH SIDE OF INLETS
 - 3) AT EACH END OF DRIVEWAYS

CURB & GUTTER DETAILS

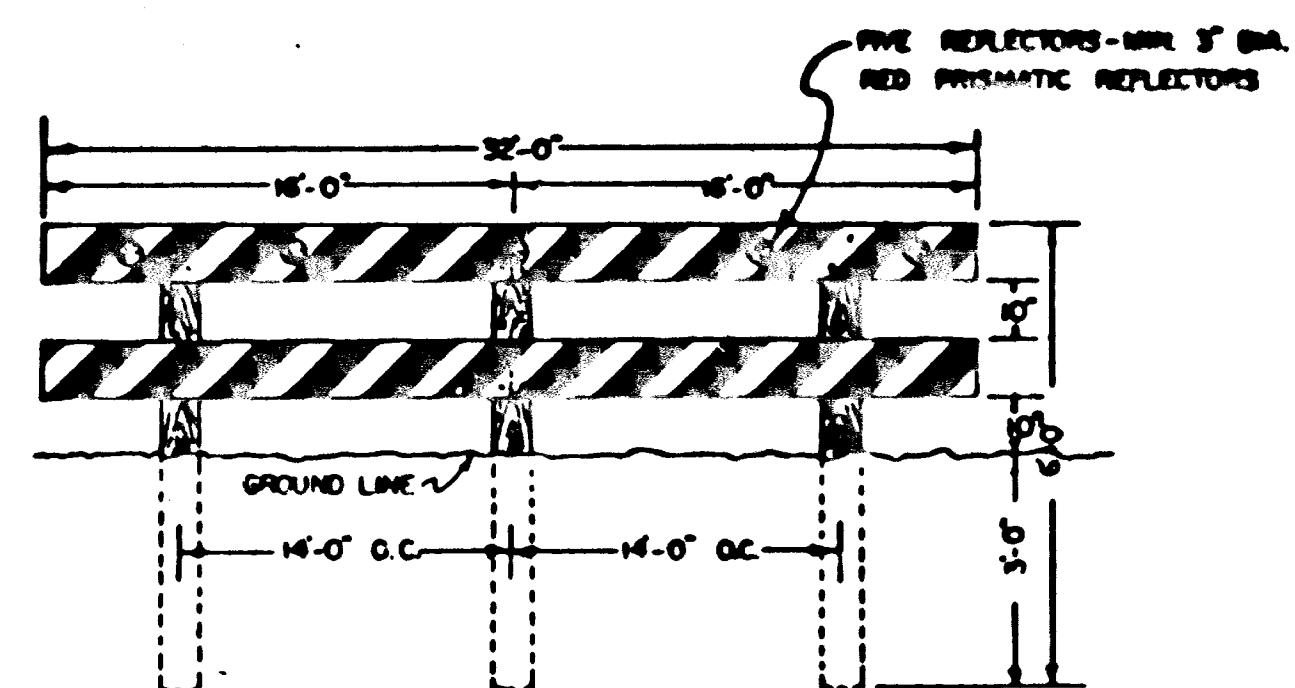


SOUTHSLOPE AVENUE

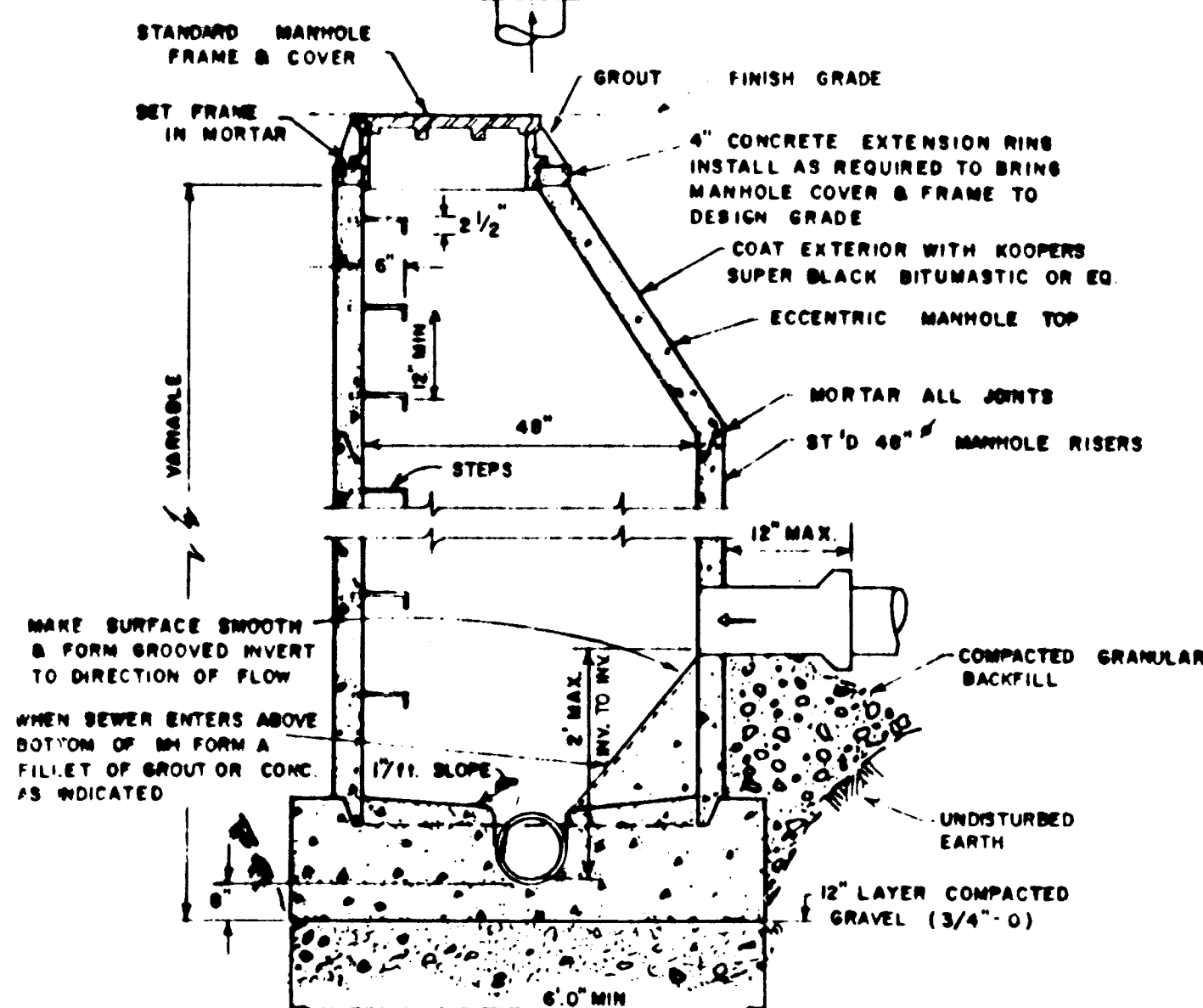
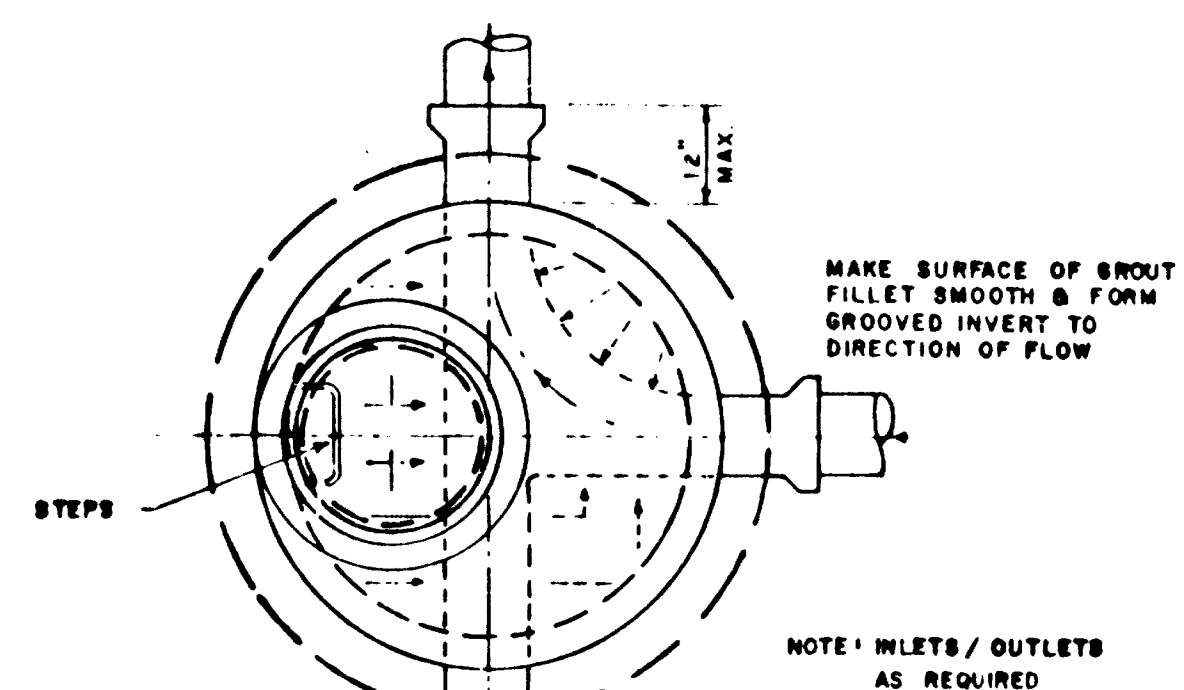


NORFOLK STREET

TYPICAL STREET SECTIONS

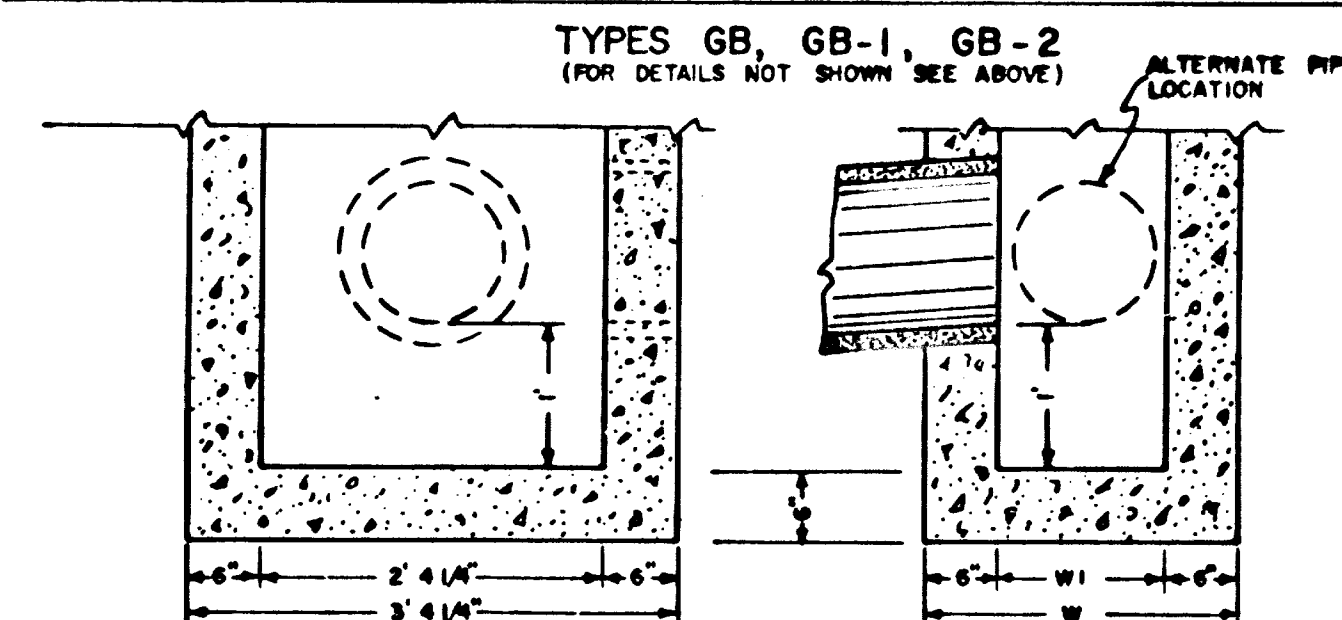
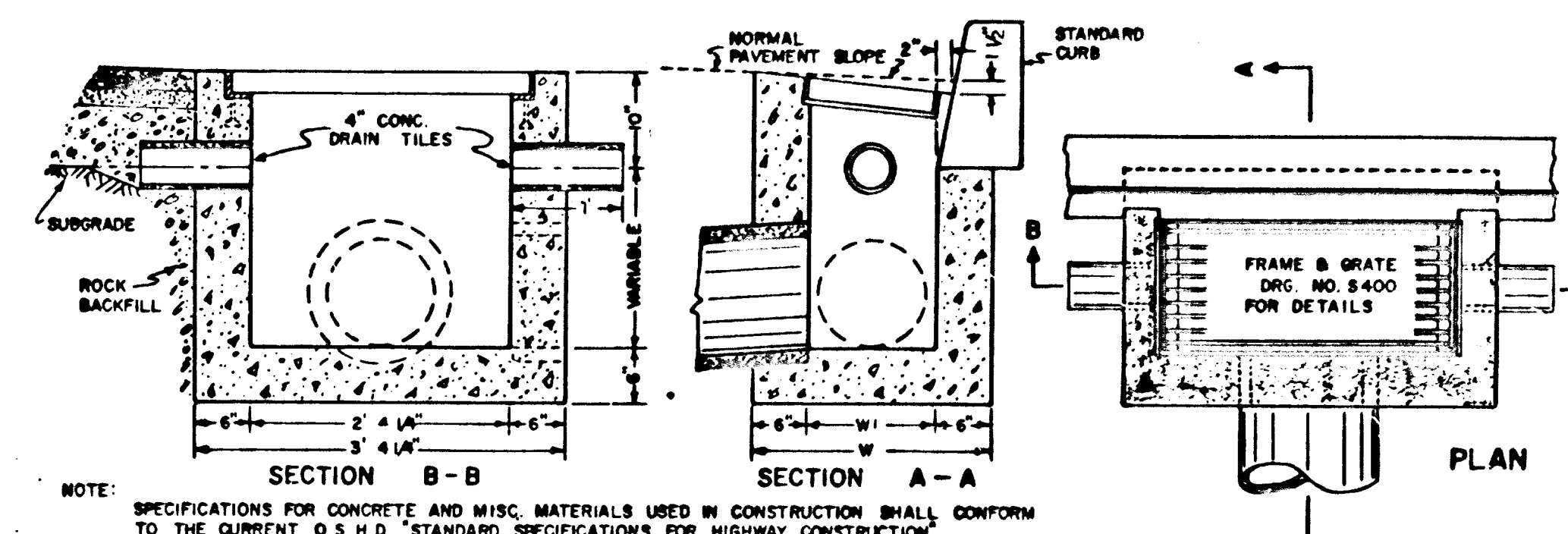


STANDARD STREET BARRICADE

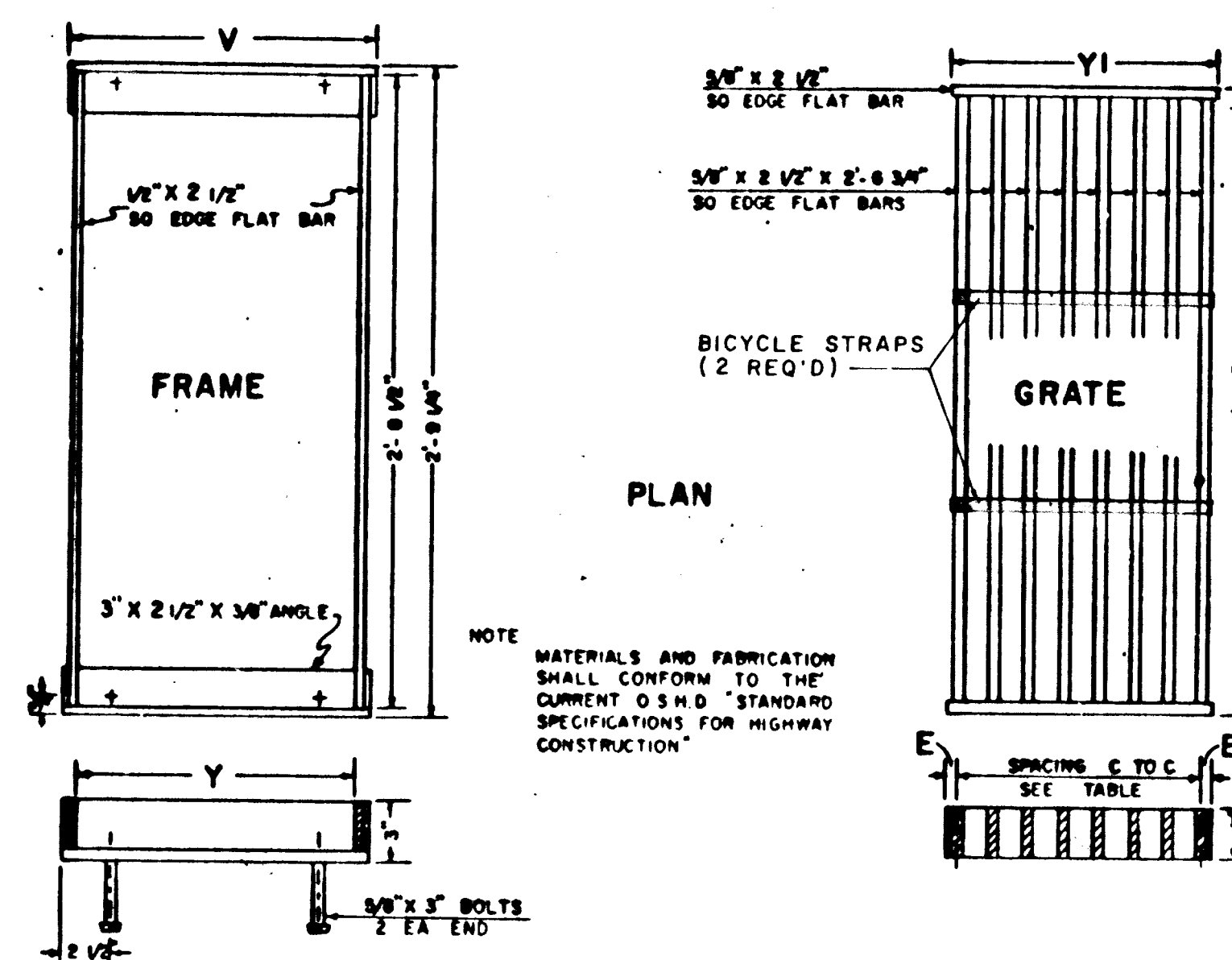


STANDARD MANHOLE

TYPES G, G-1, G-2



INLET TYPE	W	W1
G, GB	2' 17"	1' 17"
G-1, GB-1	2' 8 7/8"	1' 8 7/8"
G-2, GB-2	3' 3 3/8"	2' 3 3/8"



STANDARD CATCH BASIN DETAILS

12-84 TLA "As-Built"

TECHNICAL ENGINEERING CORP.
8835 S.W. CANYON LANE
SUITE 405
PORTLAND, OREGON 97225
(503) 297-3721

CLIENT:
D.L. PAHLTSCHE BUILDER, INC.
5237 Summit St. West Linn

PROJECT:
NORFOLK HEIGHTS
West Linn Oregon

DRAWING TITLE:
STANDARD DETAILS

DRAWN BY: JDJ
CHECKED BY: TLA
SCALE: NO SCALE
MARCH, 84 84-246
SHEET 6 OF 6