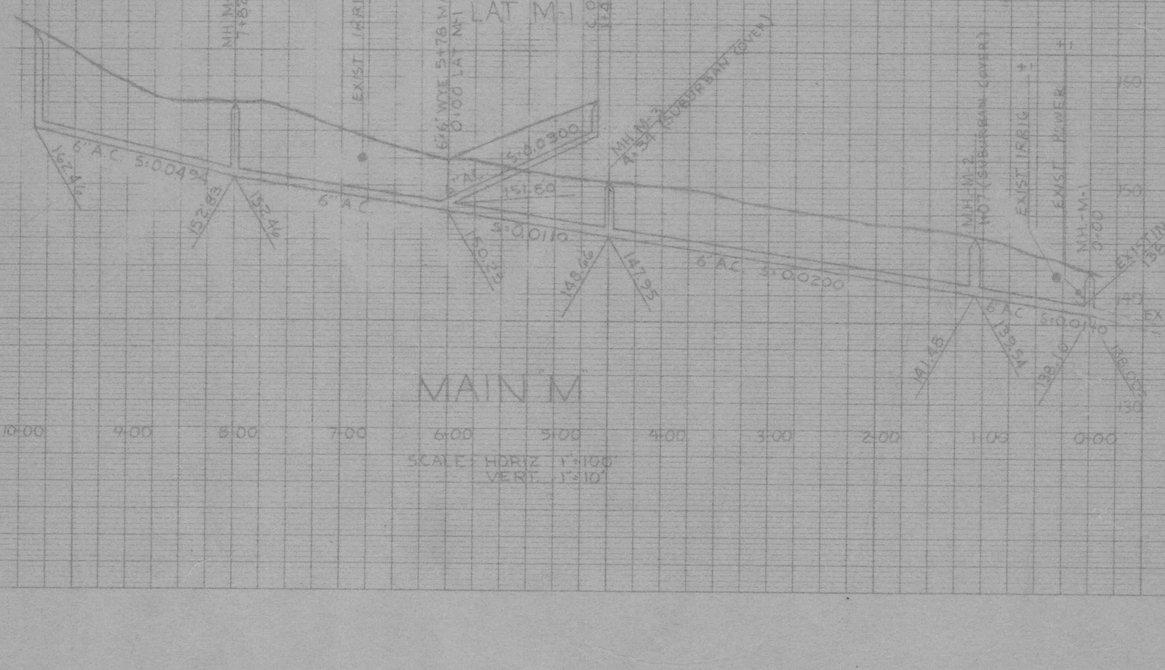
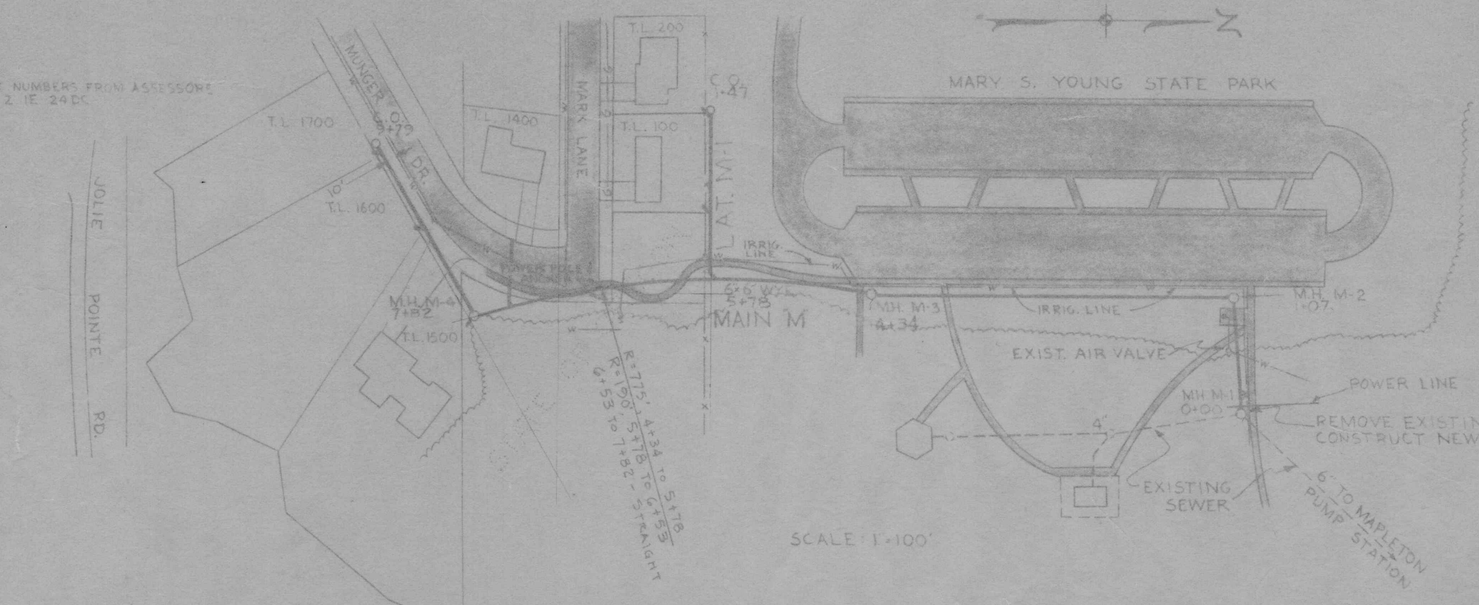


M.H. I.E.'s TAKEN AT WALL OF M.H.

TAX LOT NUMBERS FROM ASSESSORS MAP NO. 2 1E 24DC



NOTE:
EXISTING UNDERGROUND UTILITY SERVICE LOCATIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY BEFORE EXCAVATING.

REGISTERED PROFESSIONAL ENGINEER 2103 OREGON MAY 9, 1967 W. S. BURTON

As Built 11-14-77

DATE	NO.	BY
8 16 77	1	JHC
REVISIONS		

CITY OF WEST LINN, OREGON

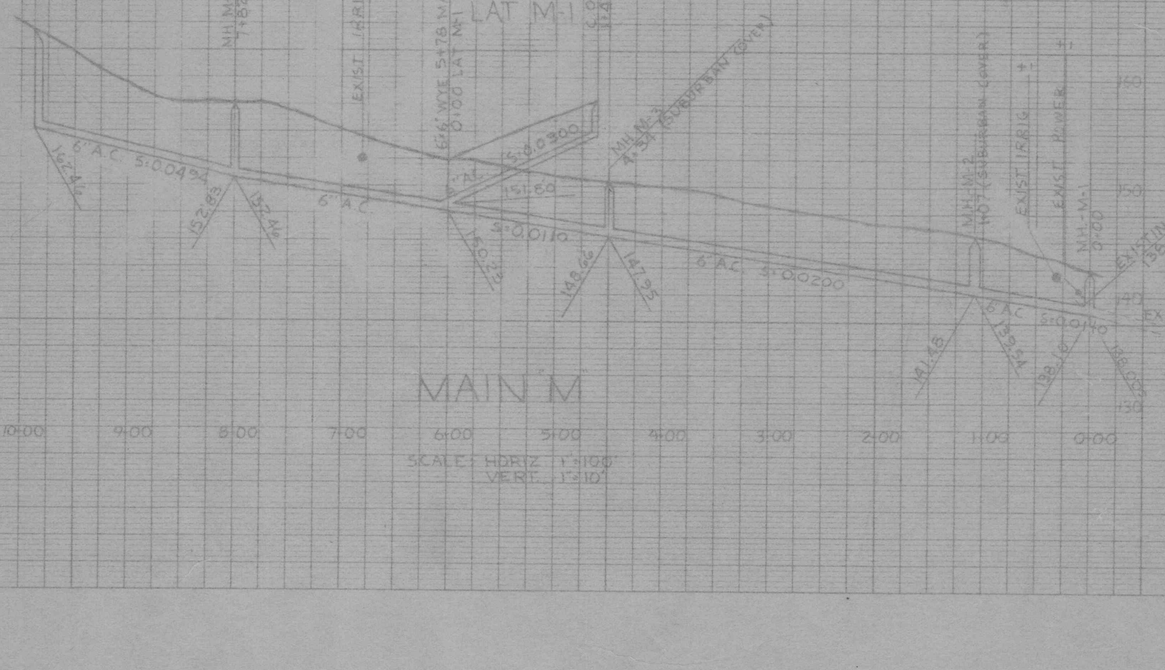
LOWER MARK LANE

LOCAL IMPROVEMENT DISTRICT

SANITARY SEWER PLAN & PROFILE

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS MILWAUKIE, OREGON

DESIGN	MSE - RDK	DATE MAY 17, 1977	J.O. 842-B-1
DRAWN	JHC	NO. 1 OF 2	84%



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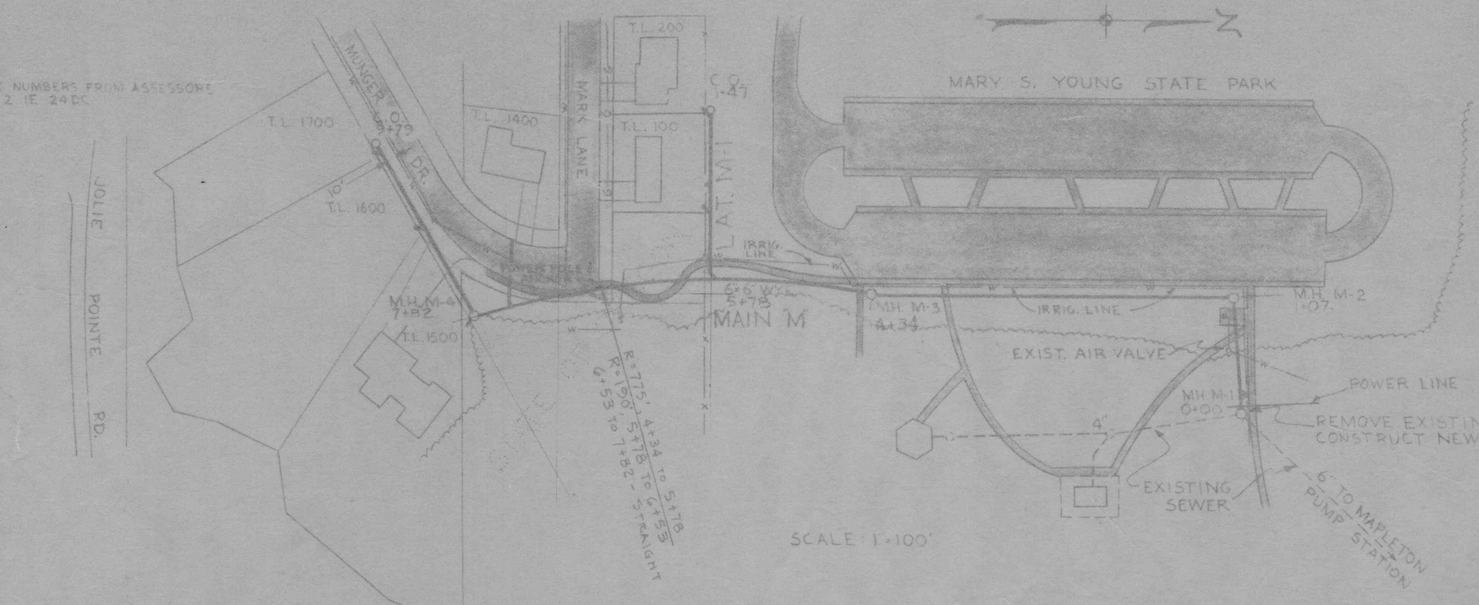

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EXISTING UNDERGROUND UTILITY SERVICE LOCATIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY BEFORE EXCAVATING.

REGISTERED PROFESSIONAL ENGINEER 2103 OREGON MAY 9, 1967 W. S. BURTON

As Built 11-14-77

DATE	NO.	BY
8 16 77	1	JHC
REVISIONS		

CITY OF WEST LINN, OREGON

LOWER MARK LANE

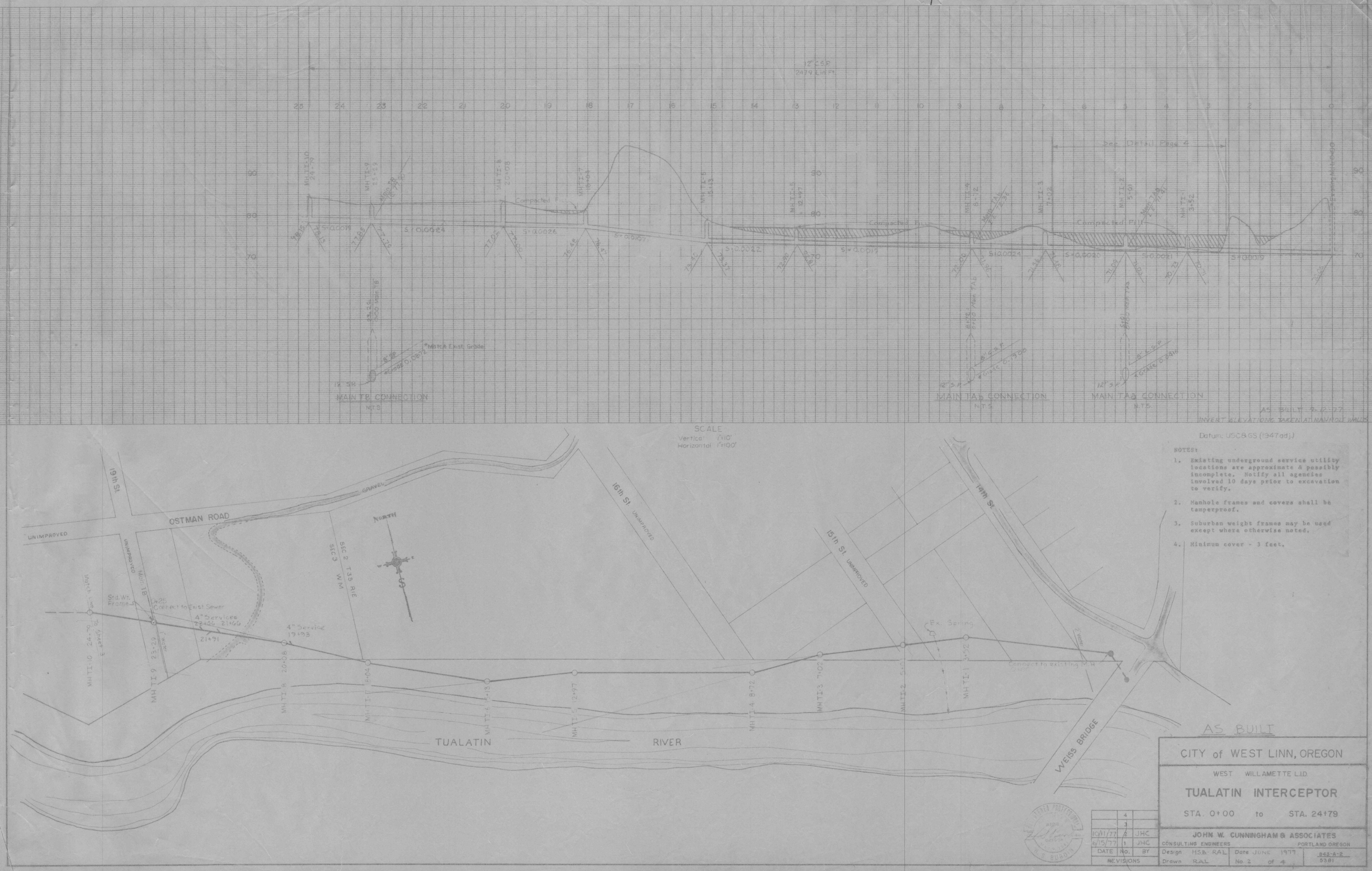
LOCAL IMPROVEMENT DISTRICT

SANITARY SEWER PLAN & PROFILE

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS MILWAUKIE, OREGON

DESIGN	MSE - RDK	DATE MAY 17, 1977	J.O. 842-B-1
DRAWN	JHC	NO. 1 OF 2	84%

MAIN B-4
1075 L.F.±
8"S-0.0235±
8"S-0.0419
8"S-0.0761
MAIN B5
1192 L.F.±
8"S-0.0196±
8"S-0.0469
8"S-0.0541
8"S-0.1110
8"S-0.0937±
MH61-4
0+00 (B-4)
EXISTING DROP MH
8 TRUNK
I.E. 145.21
8"S-0.0238
MHG1-4A=0+00(B-5)
0+00 B-5-G1-4A
CONSTRUCT DROP MH ON TRUNK B
LATERAL B8A
240 L.F.±
8"S-0.0410
EXISTING MH
MAIN B-2
1858 L.F.±
8"S-0.0278
8"S-0.0056
8"S-0.0242
8"S-0.0055
8"S-0.0087
8"S-0.0477
8"S-0.0283
8"S-0.0331
8"S-0.0352
CONNECT TO EXISTING STUB LINE 60'±
LATERAL B2C
240 L.F.±
8"S-0.0128
SCALE:
VERTICAL 1"=10'-0"
HORIZONTAL 1"=100'-0"
NOTE: EXISTING UNDERGROUND SERVICE UTILITY LOCATIONS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. NOTIFY ALL AGENCIES INVOLVED 10 DAYS PRIOR TO EXCAVATION TO VERIFY.
STANDARD WEIGHT FRAMES SHALL BE USED IN ROAD RIGHTS-OF-WAY; SUBURBAN WEIGHT FRAMES MAY BE USED IN UNIMPROVED AREAS.
NOTE: INVERT ELEVATIONS TAKEN AT MANHOLE WALLS
SCALE: 1"=100'-0"
LATERAL B-8-A
MH B-8A-1 2+10
OSTMAN RD.
EXIST. MH. 0+00
MICHAEL DR.
DOUGLAS DR.
4"SC 2+10
4"SC 1+41
SHORT ST.
C.O. 11+92
MH B-5-4 9+14
MAIN B-5
NOLAN LN
TELEPHONE
RIDDER LN.
MH B5-3 6+51
MH B-5-2 3+15
MH B5-1 1+05
MAIN B-4
MAIN B-2
MHB-2-13 18+58
19TH
DOLLAR ST.
MATCHLINE 'E'
MH B-2-4 EXISTING
0+60± CONNECT TO EXISTING STUB
16TH ST
MH B-2-6
MH B-2-7 1+75
MH B-2-8 4+09
MH B-2-9 5+22
MH B-2-10 7+32
C.O. 2+40
NORTH
S
AS BUILT
CITY OF WEST LINN, OREGON



Datum: USC&GS (1947 adj.)

NOTES:

1. Existing underground service utility locations are approximate & possibly incomplete. Notify all agencies involved 10 days prior to excavation to verify.
2. Manhole frames and covers shall be tamperproof.
3. Suburban weight frames may be used except where otherwise noted.
4. Minimum cover - 3 feet.

AS BUILT

CITY of WEST LINN, OREGON

WEST WILLAMETTE L.I.D.

TUALATIN INTERCEPTOR

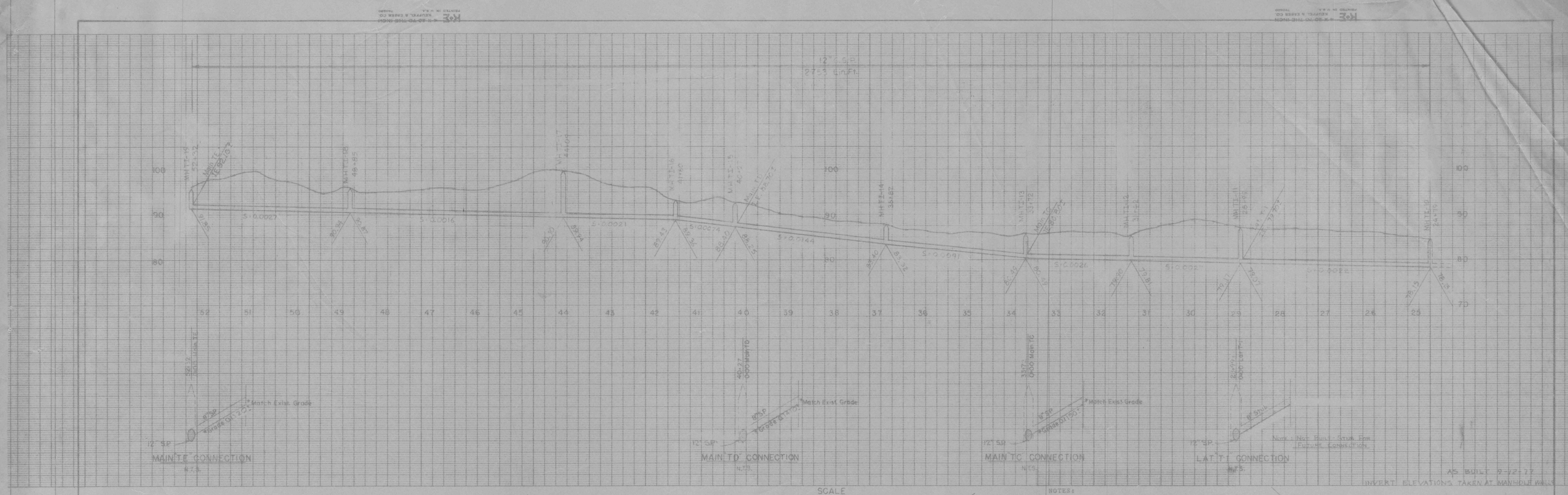
STA. 0+00 to STA. 24+79

DATE	No.	BY
	4	
	3	
10/11/77	2	JHC
6/15/77	1	JHC

REVISIONS

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS PORTLAND OREGON

Design HSB-RAL | Date JUNE 1977 | 843-A-2
Drawn RAL | No. 2 of 4 | 5381



SCALE
Vertical 1"=10'
Horizontal 1"=100'

NOTES:

1. Existing underground service utility locations are approximate & possibly incomplete. Notify all agencies involved 10 days prior to excavation to verify.
2. Manhole frames and covers shall be tamperproof.
3. Suburban weight frames may be used except where otherwise noted.
4. Minimum cover - 3 feet.

AS BUILT

CITY of WEST LINN, OREGON

WEST WILLAMETTE L.I.D.

TUALATIN INTERCEPTOR

STA. 24+79 to STA. 52+32

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS MILWAUKIE, OREGON

Date	No.	By
12/1/77	1	JHC
6/16/77	-	JHC

REVISIONS

Design: HSB-RAL | Date: June 1977 | 843-A3 5382
Drawn: RAL | Sheet 3 of 4

CITY OF WEST LINN, OREGON
WEST WILLAMETTE L.I.D.

SANITARY SEWER IMPROVEMENTS
PHASE A

GENERAL PLAN

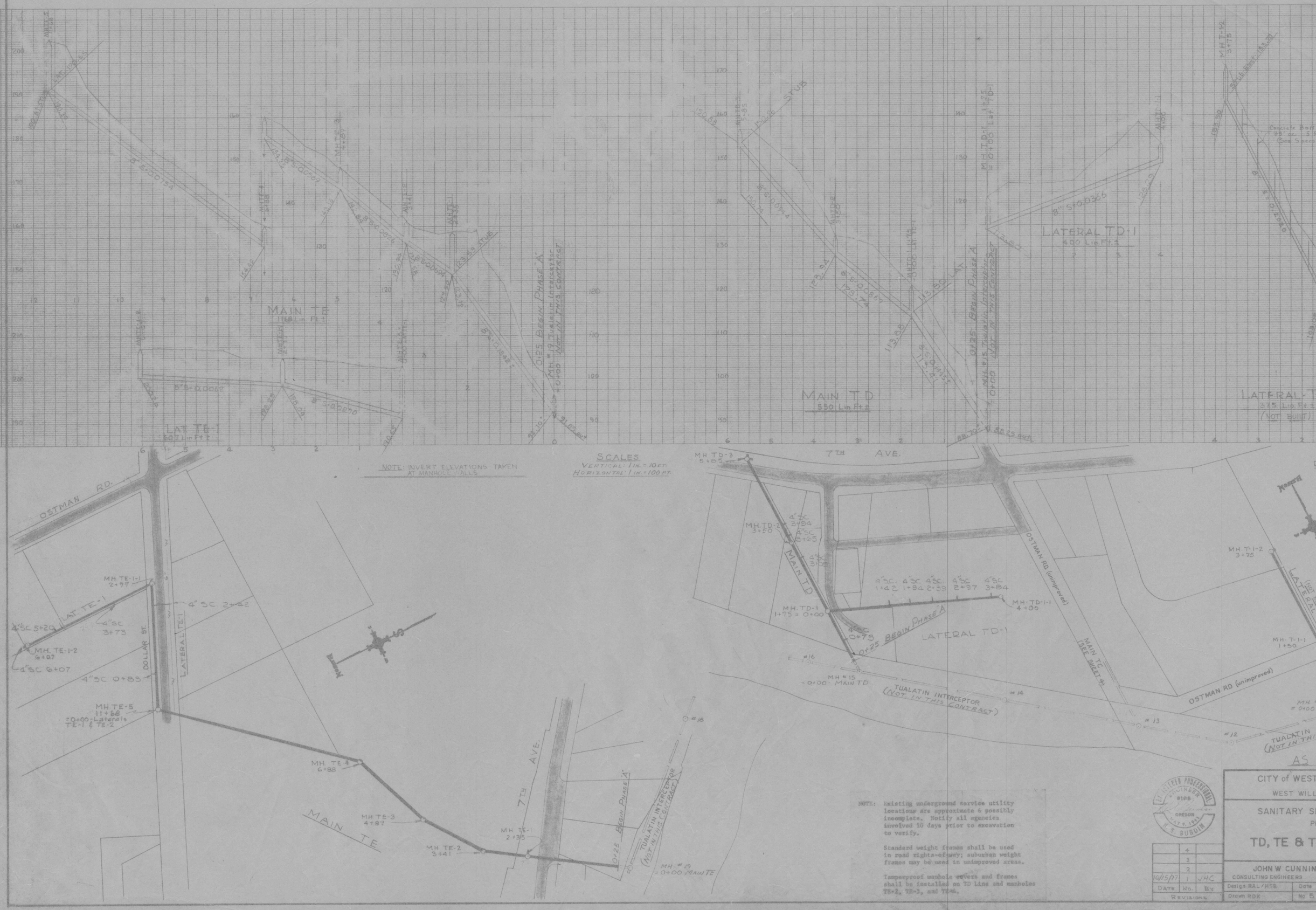
SCALE 1"=300'

JOHN W CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
MILWAUKIE, OREGON

DATE	NO.	BY
7-22-76	1	J.L.H.

REVISIONS

DESIGN HSB/RAL | DATE 1975 | 843-A-1
DRAWN RAL | SHEET | 5380



NOTE: Existing underground service utility locations are approximate & possibly incomplete. Notify all agencies involved 10 days prior to excavation to verify.

Standard weight frames shall be used in road rights-of-way; suburban weight frames may be used in unimproved areas.

Tamperproof manhole covers and frames shall be installed on TD Line and manholes TE-2, TE-3, and TE-4.

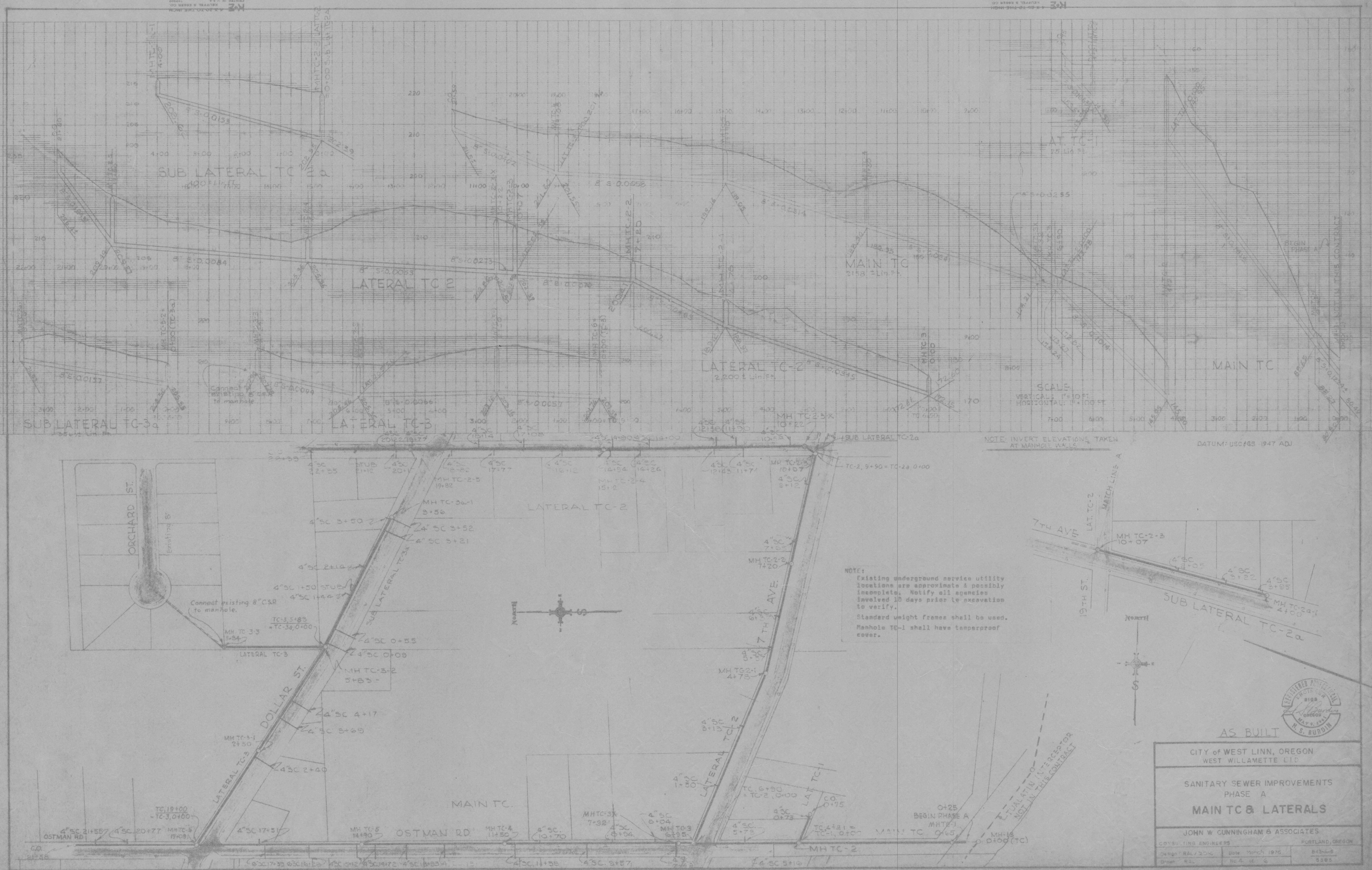
DATE	No.	BY
10/15/77	1	JHC
	2	
	3	
	4	

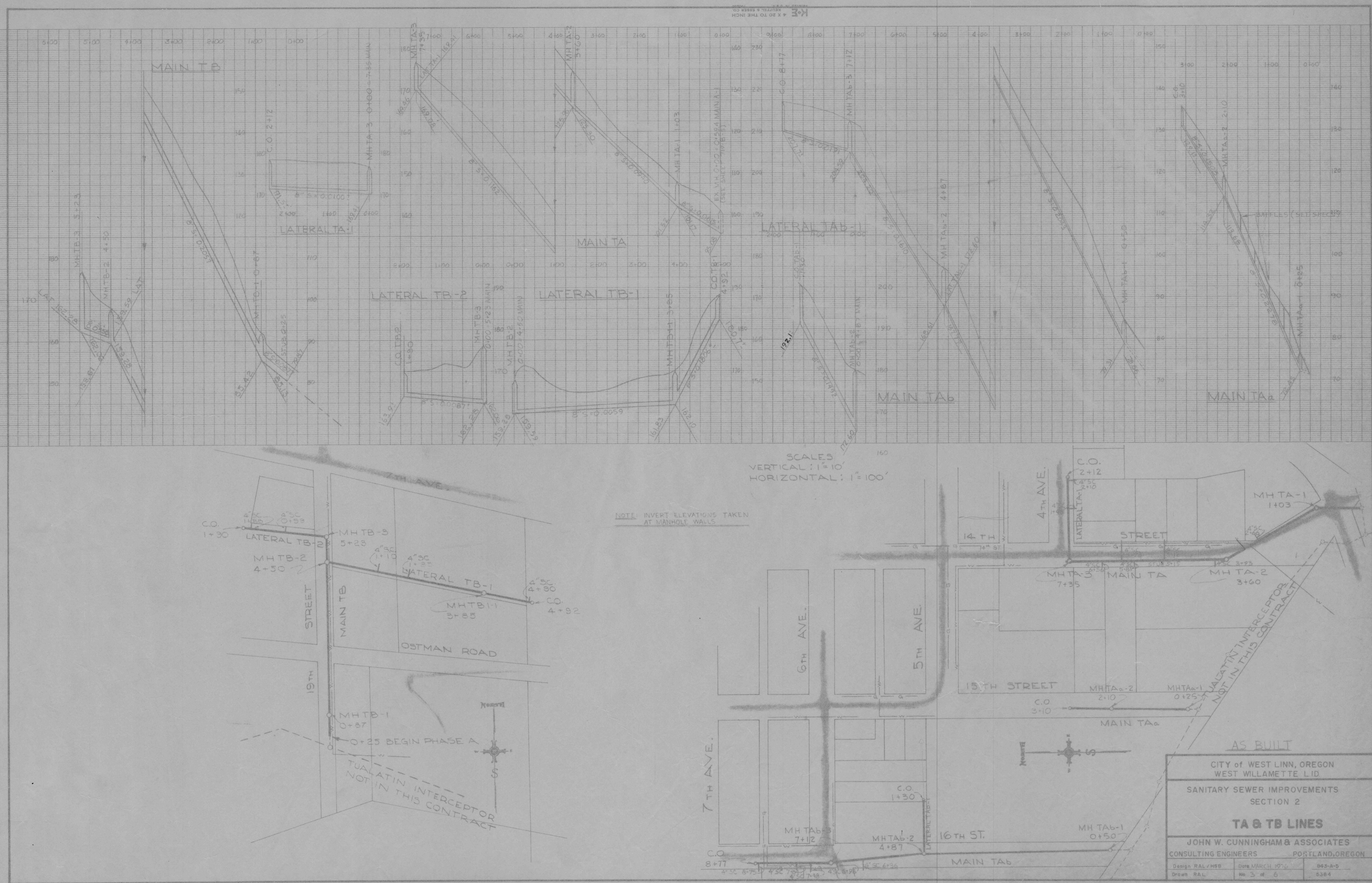
REVISIONS

CITY of WEST
WEST WILL
SANITARY S
P
TD, TE & T

JOHN W CUNNIN
CONSULTING ENGINEERS

Design RAL/HSB | Date
Drawn RDK | No 5


SUB LATERAL TC 2a
LATERAL TC 2
MAIN TC
LATERAL TC-2
2,200 ± Lin. Ft.
LAT. TC-1
SUB LATERAL TC-3a
LATERAL TC-3
SCALE
VERTICAL: 1" = 10 FT.
HORIZONTAL: 1" = 100 FT.
NOTE: INVERT ELEVATIONS TAKEN AT MANHOLE WALLS
DATUM: USC&GS 1947 ADJ.
ORCHARD ST.
Existing 8"
Connect existing 8" C.S.P. to manhole.
DOLLAR ST.
7TH AVE.
19TH ST.
MATCH LINE A
OSTMAN RD.
MAIN TC.
BEGIN PHASE A
NORTH
NOTE:
Existing underground service utility locations are approximate & possibly incomplete. Notify all agencies involved 10 days prior to excavation to verify.
Standard weight frames shall be used.
Manhole TC-1 shall have temperproof cover.
AS BUILT
CITY of WEST LINN, OREGON
WEST WILLAMETTE L.I.D.
SANITARY SEWER IMPROVEMENTS
PHASE A
MAIN TC & LATERALS
JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
PORTLAND, OREGON
Design: RAL/ZDK
Date: March 1976
Drawn: RAL
No. 4 of 6
843-4-6
5385


MAIN TB
LATERAL TA-1
MAIN TA
LATERAL TB-2
LATERAL TB-1
LATERAL TAb-1
MAIN TAb
MAIN TAa
SCALES
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 100'
NOTE: INVERT ELEVATIONS TAKEN AT MANHOLE WALLS
7TH AVE.
C.O. 1+30
LATERAL TB-2
MH TB-3 5+23
MH TB-2 4+50
LATERAL TB-1
MH TB1-1 3+85
C.O. 4+92
STREET
MAIN TB
OSTMAN ROAD
19TH
MH TB-1 0+87
0+25 BEGIN PHASE A
TUALATIN INTERCEPTOR NOT IN THIS CONTRACT
C.O. 2+12
4TH AVE.
LATERAL TA-1
14TH
STREET
MH TA-1 1+03
MH TA-3 7+35
MAIN TA
MH TA-2 3+60
6TH AVE.
5TH AVE.
15TH STREET
MH TAa-2 2+10
MH TAa-1 0+25
C.O. 3+10
MAIN TAa
TUALATIN INTERCEPTOR NOT IN THIS CONTRACT
7TH AVE.
C.O. 1+30
MH TAb-3 7+12
MH TAb-2 4+87
16TH ST.
MH TAb-1 0+50
C.O. 8+77
MAIN TAb
AS BUILT
CITY of WEST LINN, OREGON
WEST WILLAMETTE L.I.D.
SANITARY SEWER IMPROVEMENTS
SECTION 2
TA & TB LINES
JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
PORTLAND, OREGON
Design RAL/HSB
Drawn RAL
Date MARCH 1976
No. 3 of 6
843-A-5
5384

6" Polyethylene Liner in Existing 10" Steel
3+58 Cleanout
3+31 Cleanout
2+28 M.H.
0+00 Lat. S-2 = 10+66 Main S
6" S.R.
6" P.V.C. S.P.
446.00
439.70
419.70
LAT. S-2
LAT. S-1
MAIN S
Conc. Anchors @ 32' ± Spacing
10+42.5 Sta. M.H.
18" Water
10+66 Main S = 0+00 Lat. S-2
Conc. Anchors @ 6' Spacing
Sta. 439.18
439.52
439.30
439.20
Lat. S-2 419.20
10.7 Dia.
Fill w/ 1½" Rock
350.50
10.0 Dia.
2+62.0
Conc. Anchors @ 27' ± Spacing
263.53 in
262.53 in
Sta. 2+62.5
6" P.V.C. Service
See Profile Sheet
6" Service 239.58
18" CMP
227.50 in
226.84 Ex. I.E.
331.2
6" P.V.C.
Conc. Anchors @ 32' ± Spacing
0+00 = 3+10 Main S
6" SERVICE
SCALE
1" = 100' Horiz.
1" = 10' Vert.
0+00 - Construct MH on existing 8" C.S.P. line.
Ex. M.H.
Existing 8" C.S.P.
WEST "A" STREET
Ditch
8" P.V.C.
MH S-1 2+00
MH S-2 3+13
6" P.V.C Service
C.O. 1+30
WEBB STREET
3+10 Main S to 3+65 Lateral S-1
8"/6" Polyethylene Liner in Existing 10" Steel Pipe
C.O. 3+58
LATERAL S-1
6"
M.H. S-3
MAIN S
7+88 Back = 8+54.5 Ahead - Main S = 0+00 - Lat. S-1
MH S-2-1 2+28
18" Water
4" Water
M.H. S-4 10+42.5
SKYLINE CIRCLE
1½" Water
10" Gas
SKYLINE DRIVE
LATERAL S-2
6" P.V.C. S.P.
MH S-5 10+66
10+66 Main S = 0+00 Lat. S-2
C.O. 3+31
8" P.V.C.
Telephone
Reservoir
SKYLINE DRIVE
10" Gas
8" Stub
MH S-6 13+13
8" Stub
NOTE:
Existing Underground Service Utility Locations are Approximate, & Possibly Incomplete. Notify All Agencies Involved 10 Days Prior To Excavation, To Verify.
AS STAKED
CITY OF WEST LINN, OREGON
SKYLINE LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER IMPROVEMENTS
PLAN & PROFILE
SCALE: AS SHOWN
JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
WILSONVILLE, OREGON
DESIGN: JSB/RDK
DATE: OCT. 1976
844-A-2
DRAWN: JLH/SDW
SHEET: 1 of 2
8449