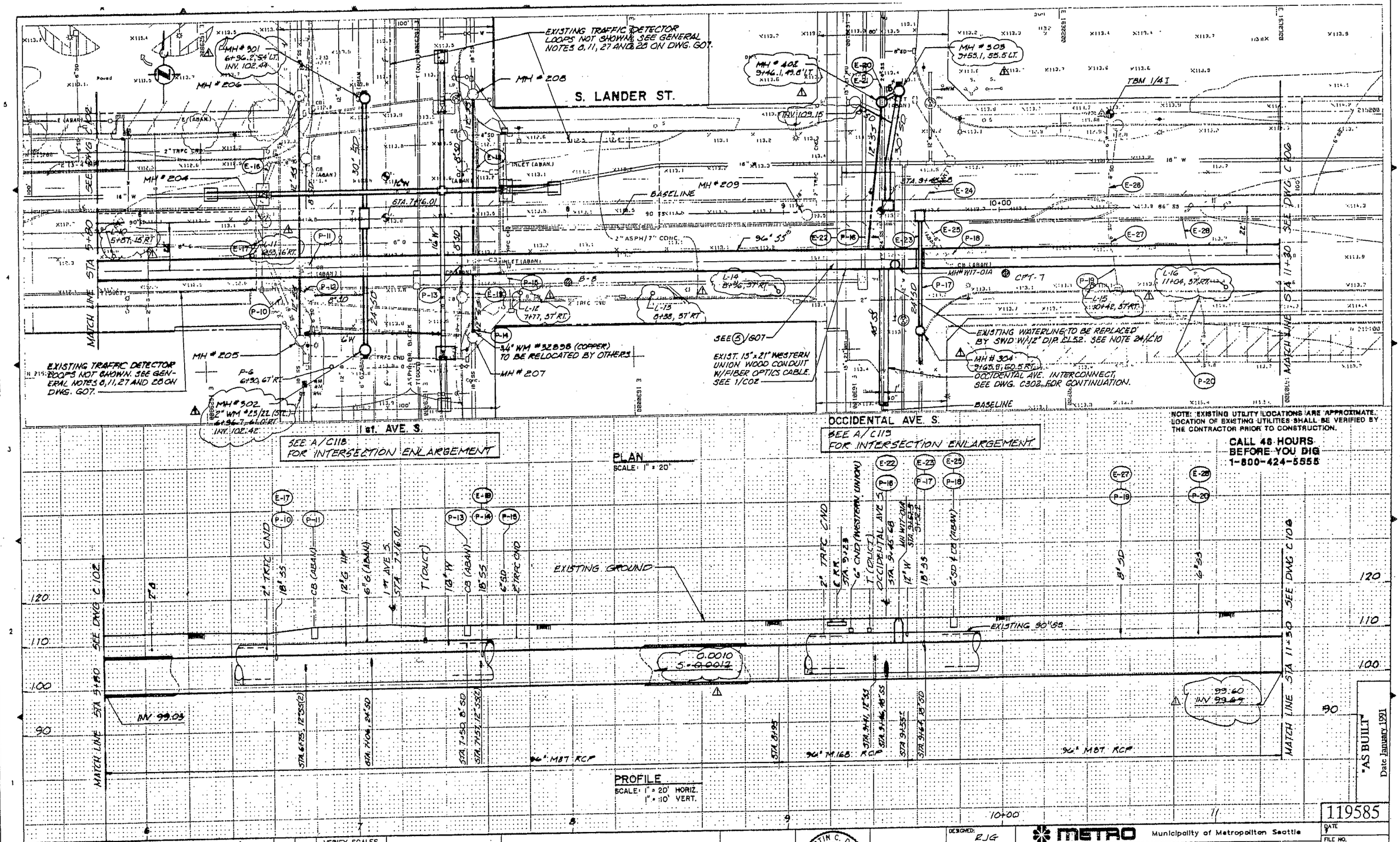

NO.	REVISION	BY	DATE
△1	AS BUILT - WELL LOCATIONS & MH STATIONING & INVERTS, SLOPE	WAB	1/24/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

DESIGNED: RJG
DRAWN: TUW
CHECKED: BAS
RECOMMENDED:
APPROVED:
SCALE: AS SHOWN
CONTRACT NO: W/F3-89

METRO Municipality of Metropolitan Seattle

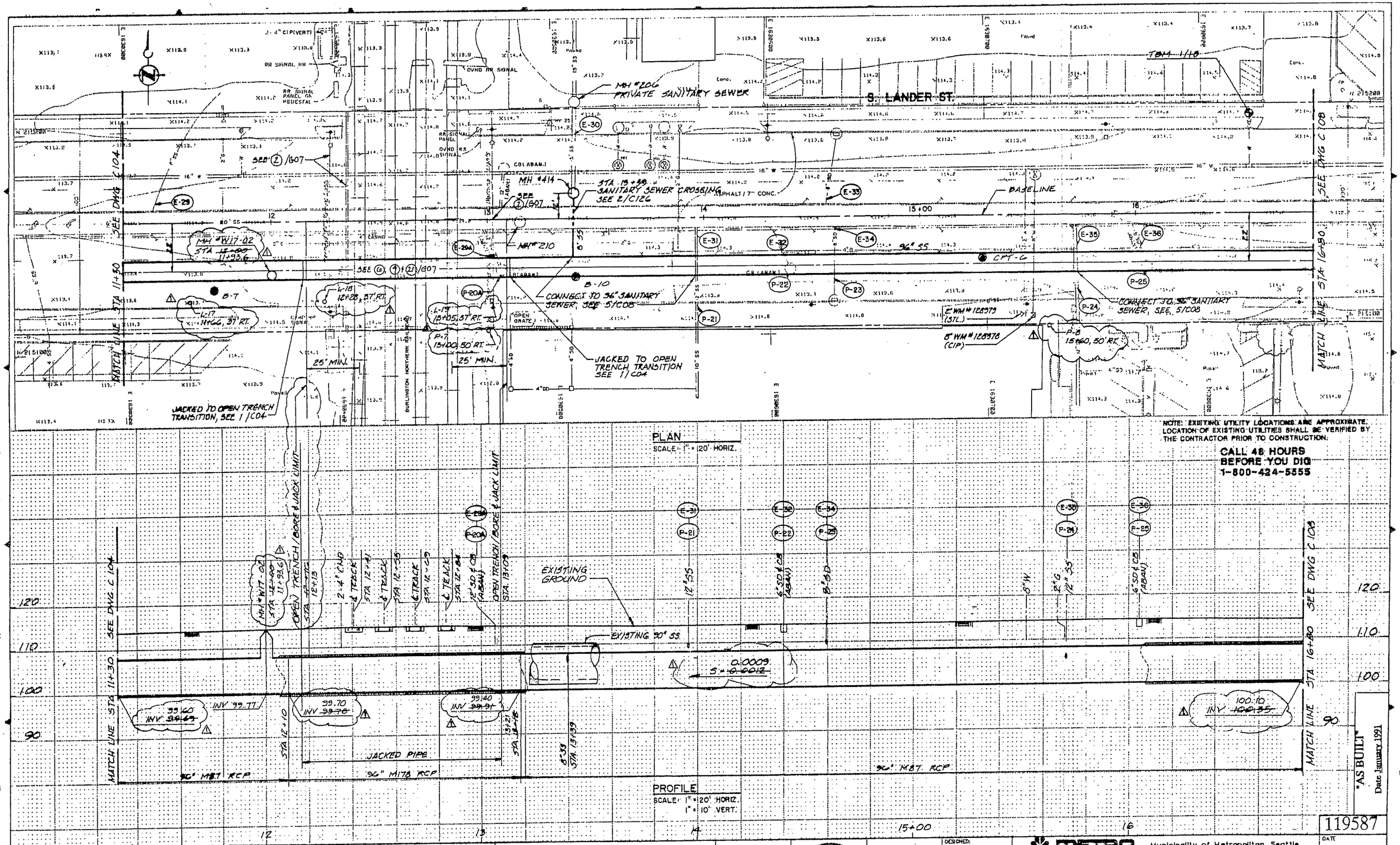
LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 5+80 TO STA 11+30

119585
DATE
FILE NO.
777-447
DRAWING NO. C 104
SHEET 30 OF 117

"AS BUILT" Date January 1991

OVERLAY IDENTIFICATION
PROJ NO
CONTRACT
COMPOSITE C-104 104-A 104-B
OVERLAY C-104 104-A 104-B
SCREEN 5 5

Property of City of Seattle 777-447-30



NO.	REVISION	BY	DATE
1	AS BUILT-JACKED PIPE, WELL LOCATIONS, MH INVERTS & STATIONING, SS CROSSING, SLOPE	WAB	1/24/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

DESIGNED: RJG
DRAWN: THW
CHECKED: BAS
RECOMMENDED:
APPROVED:

METRO Municipality of Metropolitan Seattle

SCALE: AS SHOWN
CONTRACT NO: W/F3-89

LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 11+30 TO STA 16+80

119587
DATE
FILE NO.
DWG NO. 777-447
DRAWING NO. C 106
SHEET 32 OF 117

OVERLAY IDENTIFICATION
PROJ NO
CONTRACT
COMPOSITE C 106 106A 106-D
OVERLAY C 106 106A 106-B
SCREEN 5 5

Property of City of Seattle
777-447-32

Property of City of Seattle
777-447-34

OVERLAY IDENTIFICATION				
COMPOSITE	C-108	108A	108B	
OVERLAY	C-108	108A	108B	
SCREEN	S	S	S	
PROJ NO.				
CONTRACT				

S. LANDER ST.

MH # 215

MH # 212

MH # 405
20+44.9, 64.2' LT.

CONNECT EXIST. SIDE SEWER TO NEW SIDE SEWER AND INSTALL 6" CLEANOUT SEE STD. PLAN #280.

ABANDON & FILL SEE 3/C107

MH # 211

STA. 17+56

MATCH LINE STA 16+80 SEE DWG C 108

MH # W17-03
STA 17+55
17+26.8

MH # 404
17+46.5, 50.0' RT.

MH # 305
17+56.4, 53.0' RT.

WATERLINE TO BE REPLACED BY SWD W/12" DIP CL52. SEE NOTE 24/C10

MH # 214

MH # 307
19+55.4, 56.0' RT.

MH # 404
20+31.5, 38.9' LT.

SWD TO KILL 3" SERVICE AND REMOVE EXISTING RING AND COVER.

MH # 306
19+52.7, 62.9' LT.

TEMPORARY THRUST BLOCK, SEE 3/C10

STA 19+86.24

BASELINE

STA 20+00

P-9
20+50, 46' RT.

MH # 216

CPT-10

CPT-9

CONNECT TO 96" SANITARY SEWER, SEE 5/C08

MATCH LINE STA 22+50 SEE DWG C 110

3rd AVE S.

4th AVE S.

SEE A/C120 FOR INTERSECTION ENLARGEMENT

SEE A/C121 FOR INTERSECTION ENLARGEMENT

PLAN
SCALE: 1" = 20' HORIZ.

NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

EXISTING GROUND

INV. 100.4

EXISTING 30" SS

INV. ~~100.35~~ 100.10

STA 17+30, 12"SS

STA 17+56, 24"SD

STA 17+56, 8"SD

STA 19+45, 12"SS(R)

STA 19+52, 24"SD

STA 20+30, 16"SS 12"SS

EXISTING 84" SS

0.0014 S=0.0012

INV. ~~101.03~~ 100.90

96" MBT RCP

PROFILE
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

NO.	REVISION	BY	DATE
⚠	AS BUILT- WELL LOCATIONS, MH # 406, MH STATIONING & PIPE INVERTS, SLOPE	WAB	12/4/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

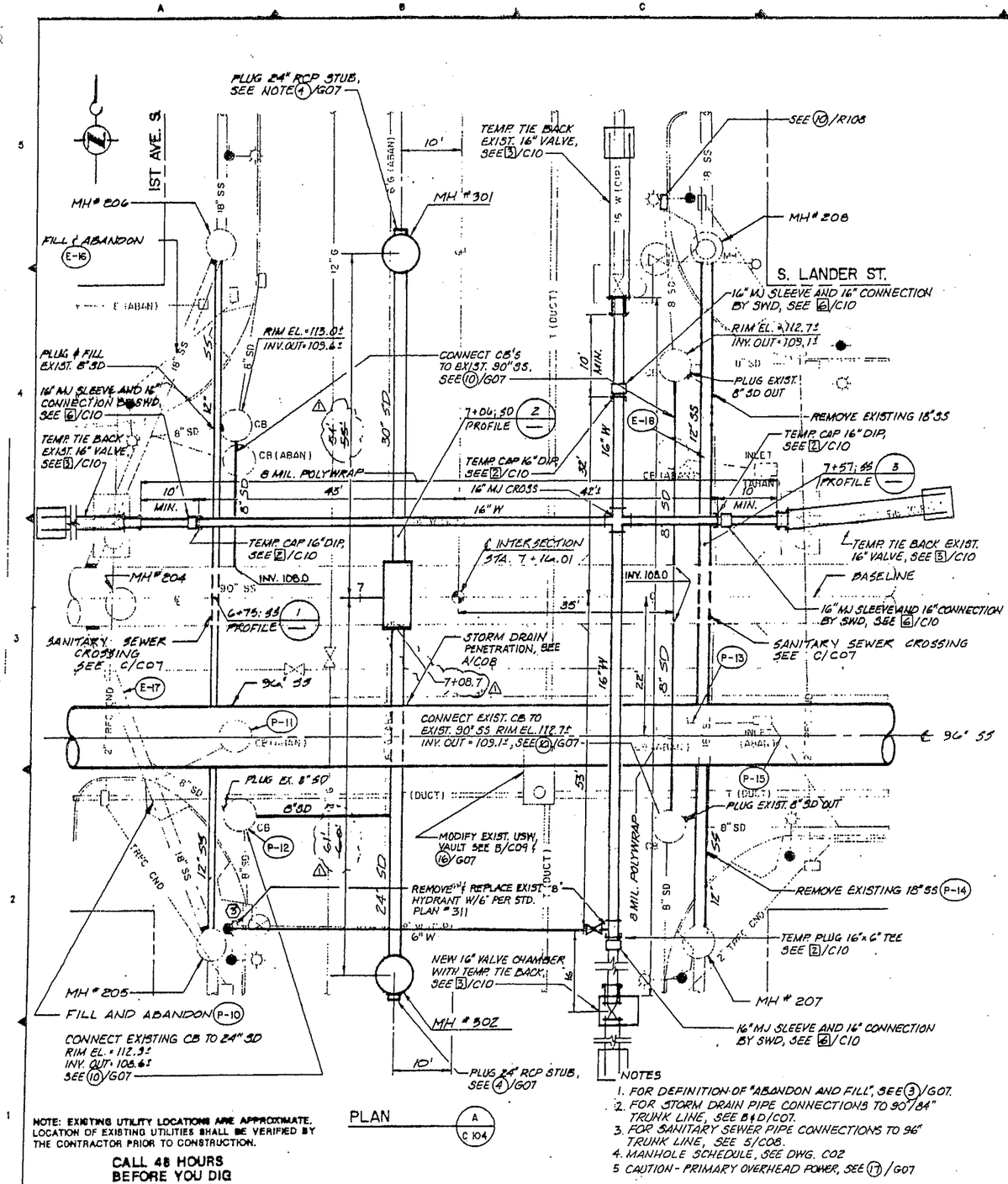
DESIGNED: RJG
DRAWN: THW CHECKED: MRM
RECOMMENDED:
APPROVED:
SCALE: AS SHOWN
CONTRACT NO: W/F3-89

METRO Municipality of Metropolitan Seattle

LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 16+80 TO STA 22+50

"AS BUILT" Date January 1991

DATE 119589
FILE NO.
DRAWING NO. C 108
SHEET 34 OF 117

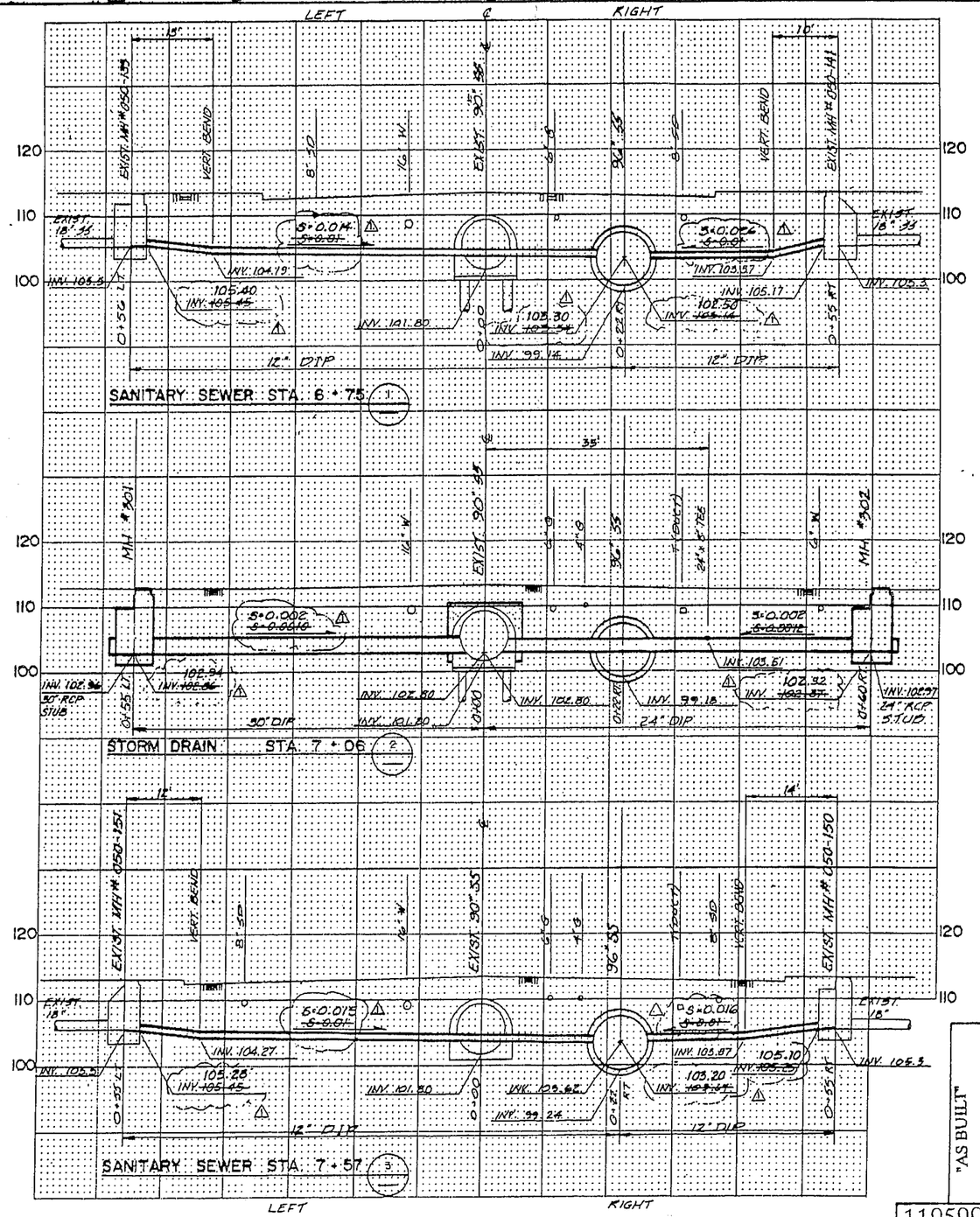


NOTES

1. FOR DEFINITION OF "ABANDON AND FILL", SEE 3/G07.
2. FOR STORM DRAIN PIPE CONNECTIONS TO 90"/84" TRUNK LINE, SEE B & D/C07.
3. FOR SANITARY SEWER PIPE CONNECTIONS TO 96" TRUNK LINE, SEE 5/C08.
4. MANHOLE SCHEDULE, SEE DWG. C02
5. CAUTION - PRIMARY OVERHEAD POWER, SEE 11/G07

NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555



"AS BUILT" Date January 1991

NO.	REVISION	BY	DATE
1	AS BUILT- DIMENSIONS, STATIONS, INVERTS	WAB	1/24/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DINKS — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

ENGR: DIR:

DESIGNED: RJG
DRAWN: TWP CHECKED: DDG
RECOMMENDED: R. Juarez
APPROVED: Mark Isham

METRO Municipality of Metropolitan Seattle

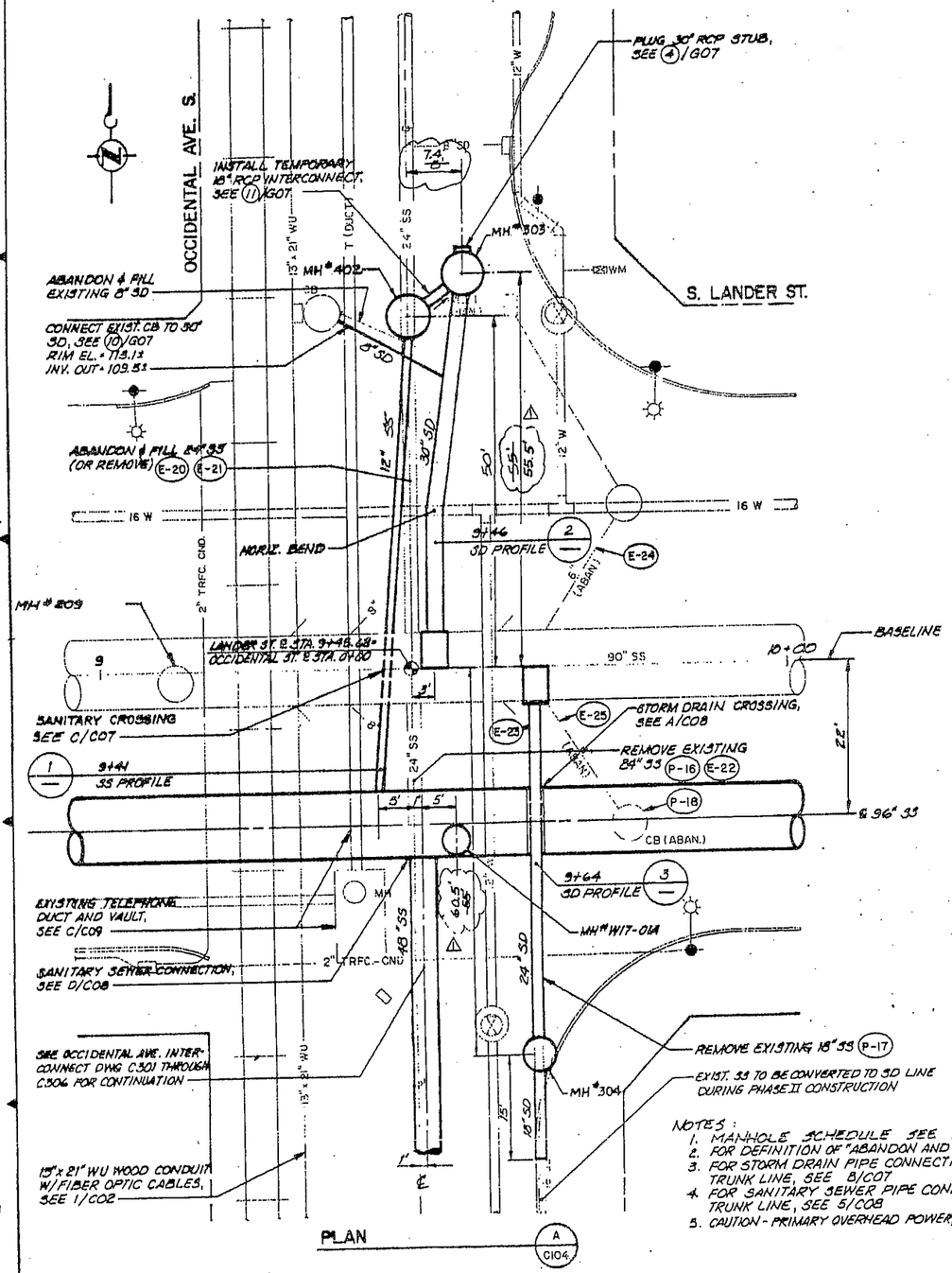
SCALE: 1"= 10' VERT. & HORIZ.
CONTRACT NO. W/F3-89

LANDER SEPARATION PROJECT PHASE I
1ST AVE. S. INTERSECTION
PLAN AND SECTIONS

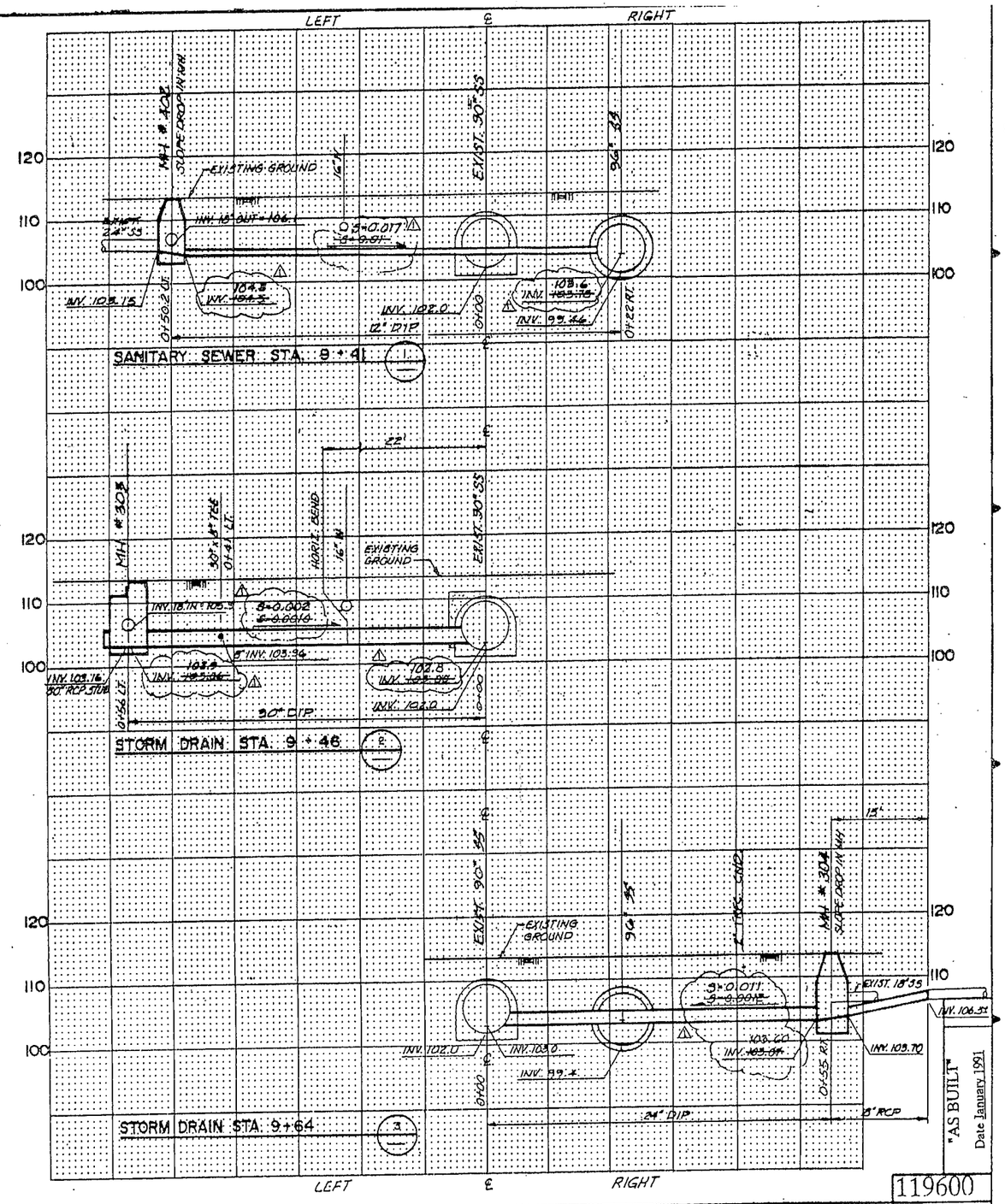
119599
DATE
FILE NO.
DWG. NO. 17.7-447
DRAWING NO. C 118
SHEET 44 OF 117

OVERLAY IDENTIFICATION
PROJ NO. C-118 C-118-A
CONTRACT
COMPOSITE
OVERLAY
SCREEN

Property of City of Seattle 777-447.44



NOTES:
1. MANHOLE SCHEDULE SEE DRAWING C02
2. FOR DEFINITION OF "ABANDON AND FILL, SEE (3)/G07.
3. FOR STORM DRAIN PIPE CONNECTIONS TO 90"/84" TRUNK LINE, SEE 8/C07
4. FOR SANITARY SEWER PIPE CONNECTIONS TO 96" TRUNK LINE, SEE 5/C08
5. CAUTION - PRIMARY OVERHEAD POWER, SEE (17)/G07



"AS BUILT"
Date January 1991

119600

NO.	REVISION	BY	DATE
1	AS BUILT - DIMENSIONS, INVERTS, SLOPES	WAB	1/24/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

DESIGNED: RJG
DRAWN: TWP
CHECKED: DDG
RECOMMENDED:
APPROVED:

METRO Municipality of Metropolitan Seattle

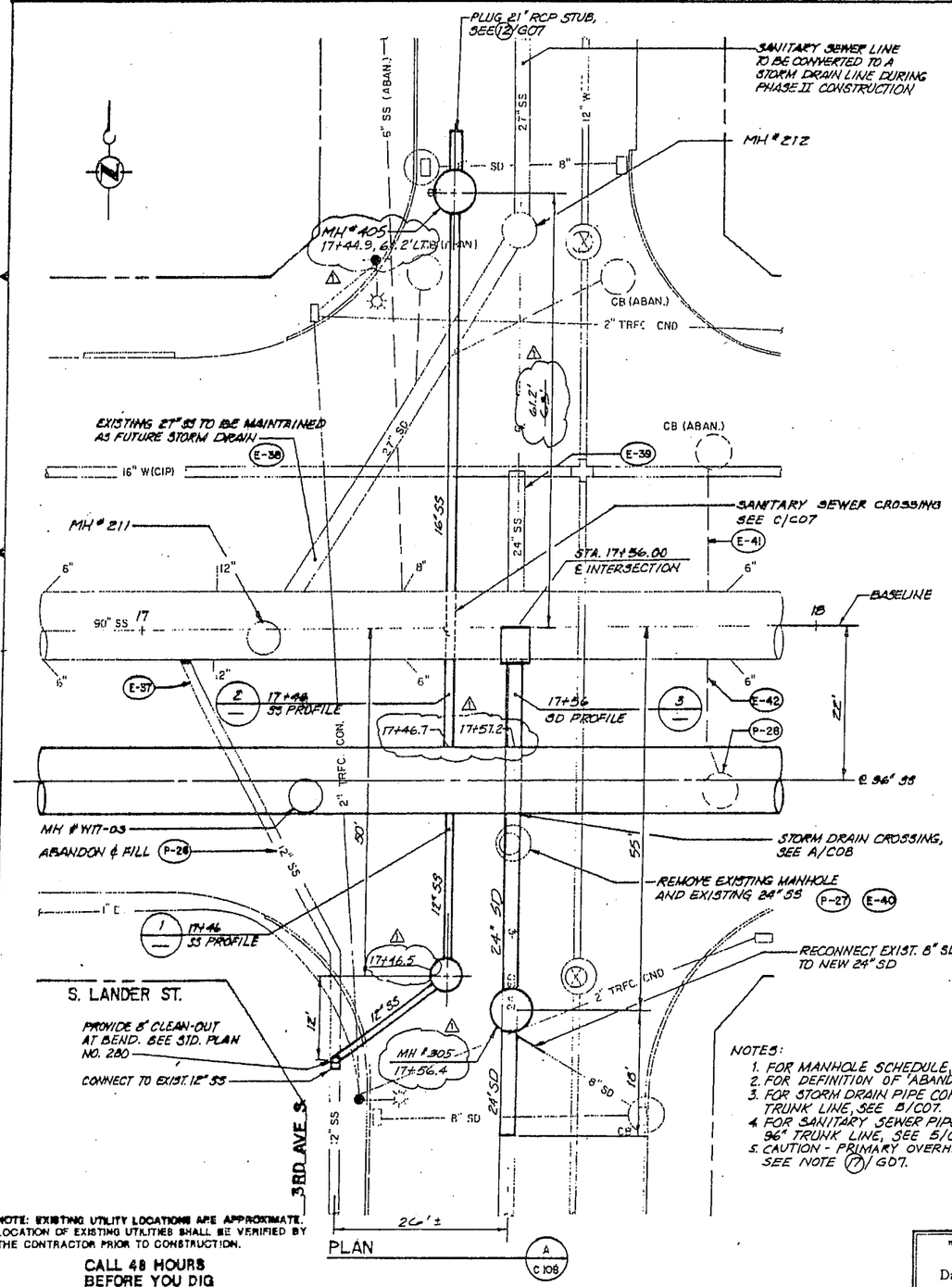
SCALE: 1" = 10' VERT & HORIZ.
CONTRACT NO: W/F3-89

LANDER SEPARATION PROJECT PHASE I
OCCIDENTAL AVE. S. INTERSECTION
PLAN AND SECTIONS

DATE
FILE NO.
DWG NO. 777-447
DRAWING NO. C 119
SHEET 45 OF 117

OVERLAY IDENTIFICATION
PROJ NO.
CONTRACT
COMPOSITE C119 119-A
OVERLAY C119 119-A
SCREEN S

Property of City of Seattle
777-447-45

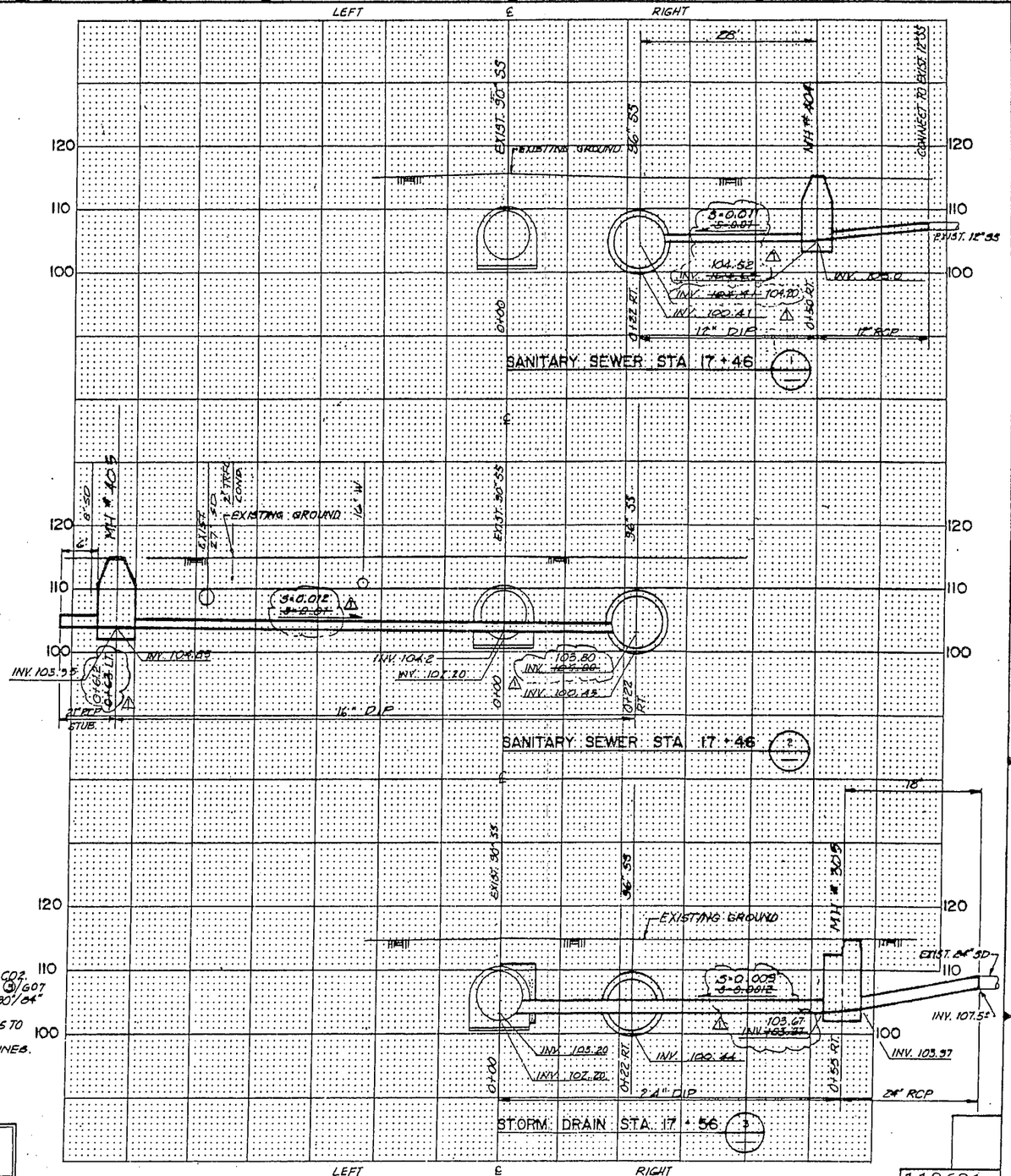


NOTES:
1. FOR MANHOLE SCHEDULE, SEE DRAWING C02.
2. FOR DEFINITION OF 'ABANDON & FILL' SEE (3)/G07
3. FOR STORM DRAIN PIPE CONNECTIONS TO 30"/24" TRUNK LINE, SEE B/C07.
4. FOR SANITARY SEWER PIPE CONNECTIONS TO 96" TRUNK LINE, SEE 5/C08.
5. CAUTION - PRIMARY OVERHEAD POWER LINES. SEE NOTE (7)/G07.

NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

"AS BUILT"
Date January 1991



OVERLAY IDENTIFICATION	PROJ NO.	CONTRACT
COMPOSITE	C-120	
OVERLAY	C-120	
SCREEN		

NO.	REVISION	BY	DATE
⚠	AS BUILT-DIMENSIONS, STATIONING, INVERTS, SLOPES	WAB	1/31/91

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON

DESIGNED: RJG
DRAWN: TWP CHECKED:
RECOMMENDED:
APPROVED:

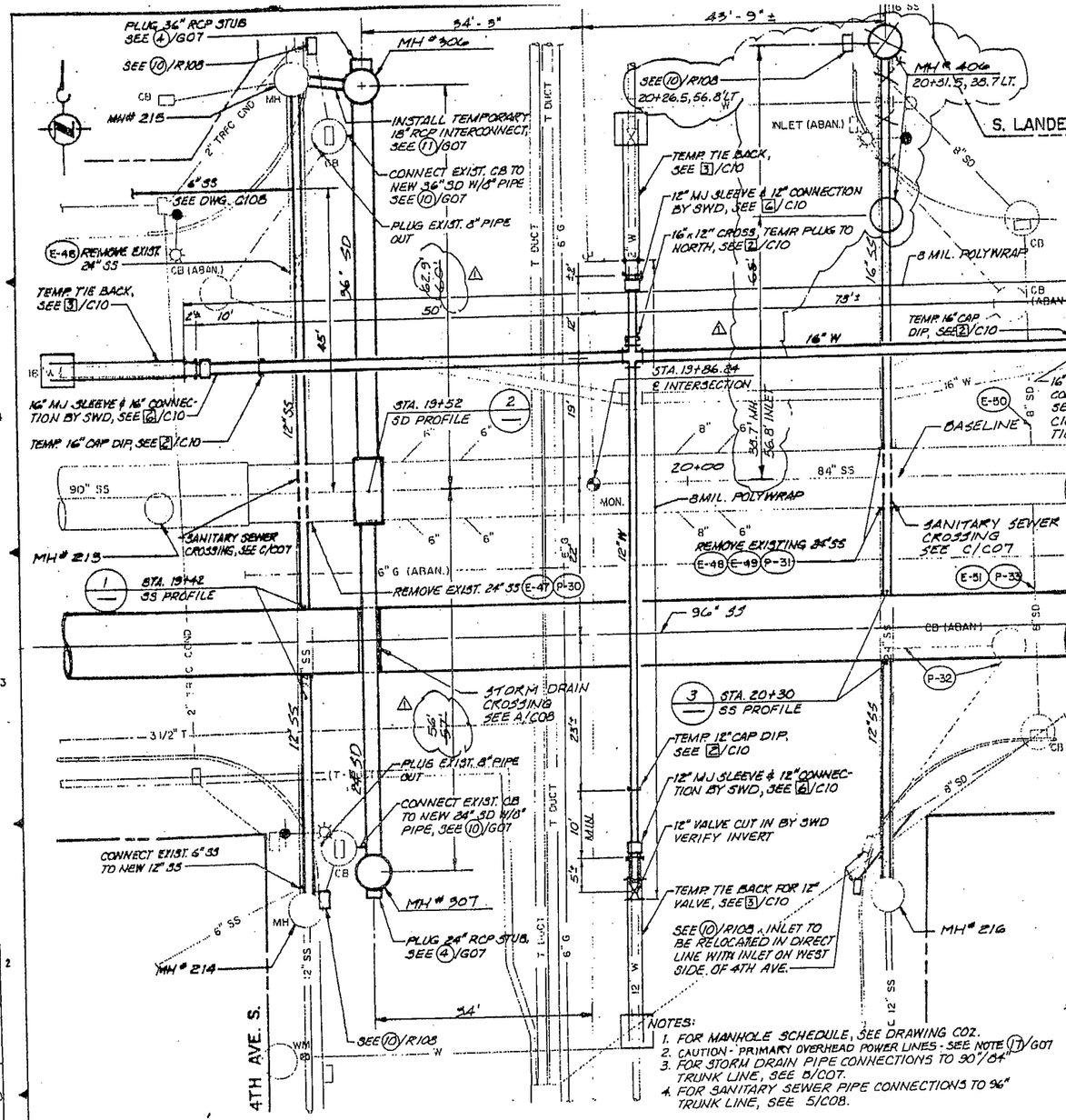
METRO Municipality of Metropolitan Seattle

SCALE: 1"= 10' VERT. & HORIZ.
CONTRACT NO: W/F3-89

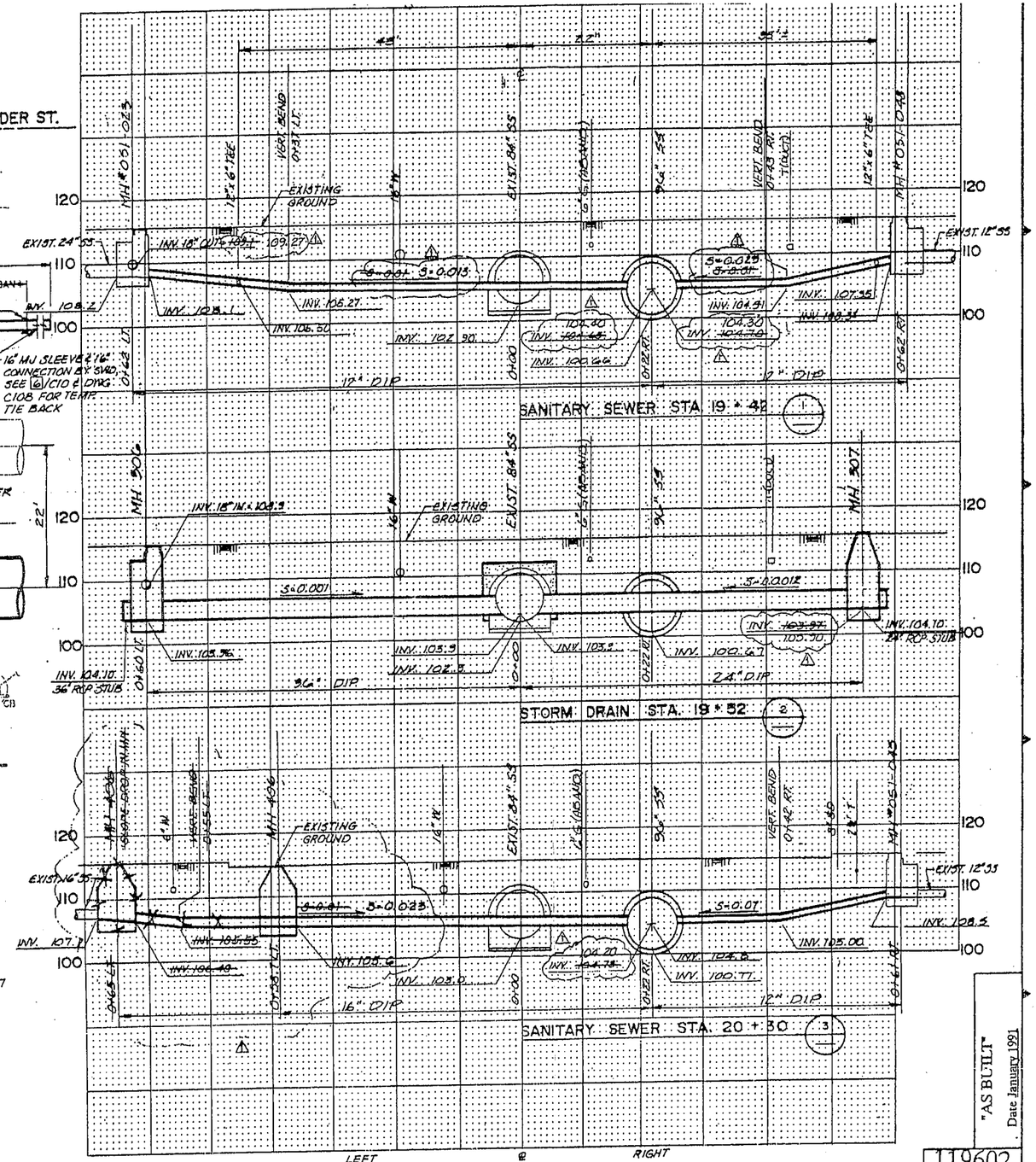
LANDER SEPARATION PROJECT PHASE I
3RD AVE. S. INTERSECTION PLAN AND SECTIONS

119601
DATE
FILE NO. FF7-447
DRAWING NO. C 120

Property of City of Seattle
777-447-46



NOTES:
1. FOR MANHOLE SCHEDULE, SEE DRAWING C02.
2. CAUTION - PRIMARY OVERHEAD POWER LINES - SEE NOTE 17/G07
3. FOR STORM DRAIN PIPE CONNECTIONS TO 90"/84" TRUNK LINE, SEE B/C07.
4. FOR SANITARY SEWER PIPE CONNECTIONS TO 96" TRUNK LINE, SEE 5/C08.



NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

PLAN A C108

"AS BUILT" Date January 1991

119602

NO.	REVISION	BY	DATE
1	AS BUILT - DIMENSIONS, MH RELOCATION, INVERTS, SLOPES	WAB	1/24/91

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING. 0 — 1. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES.

KCM and Associated Firms

MARTIN C. DIRKS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

DESIGNED: RJG
DRAWN: TWP
CHECKED: DDG
RECOMMENDED:
APPROVED:

METRO Municipality of Metropolitan Seattle

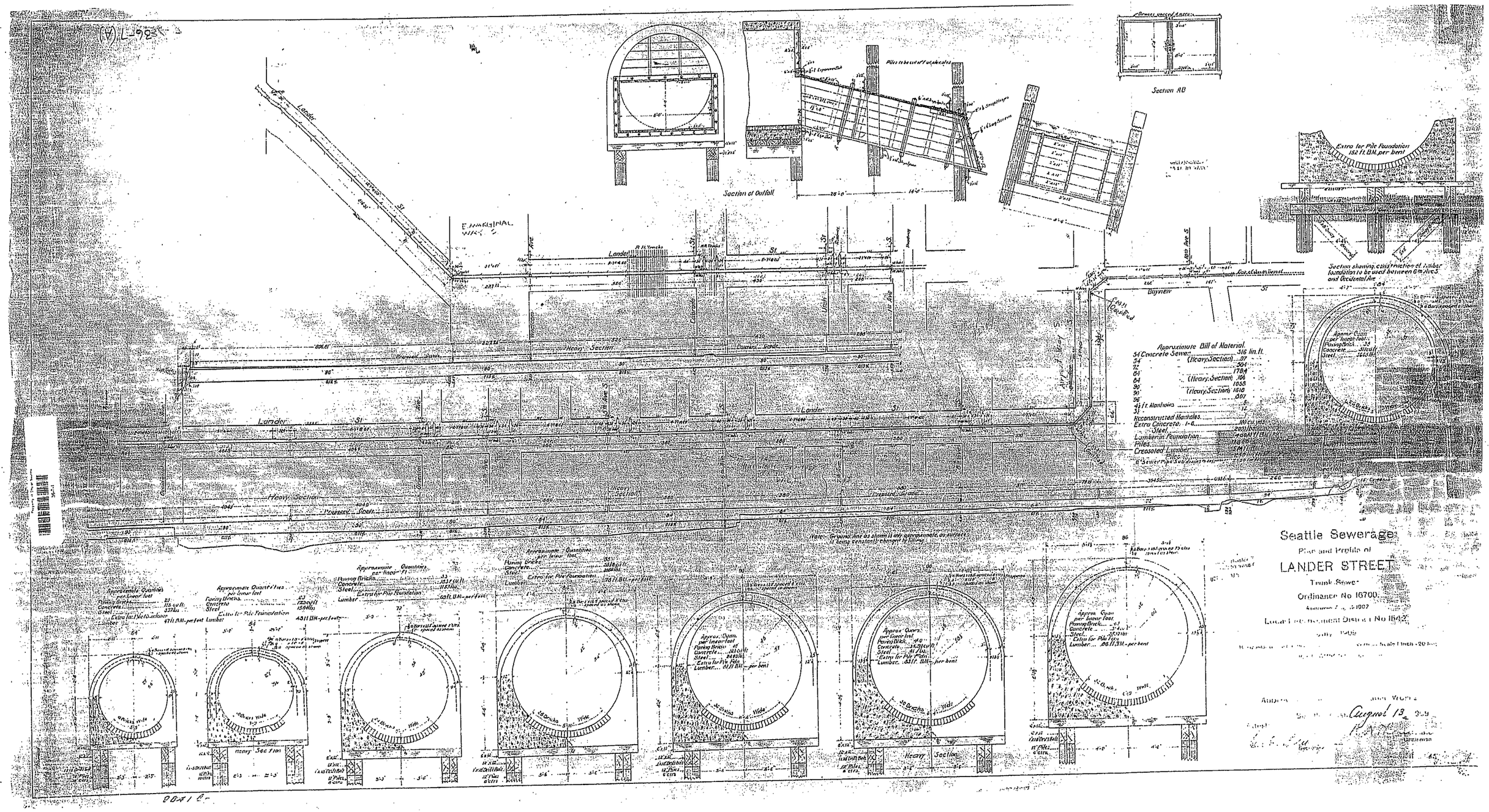
SCALE: 1"=10' VERT. & HORIZ.
CONTRACT NO: W/F3-89

LANDER SEPARATION PROJECT PHASE I
4TH AVE. S. INTERSECTION
PLAN AND SECTIONS

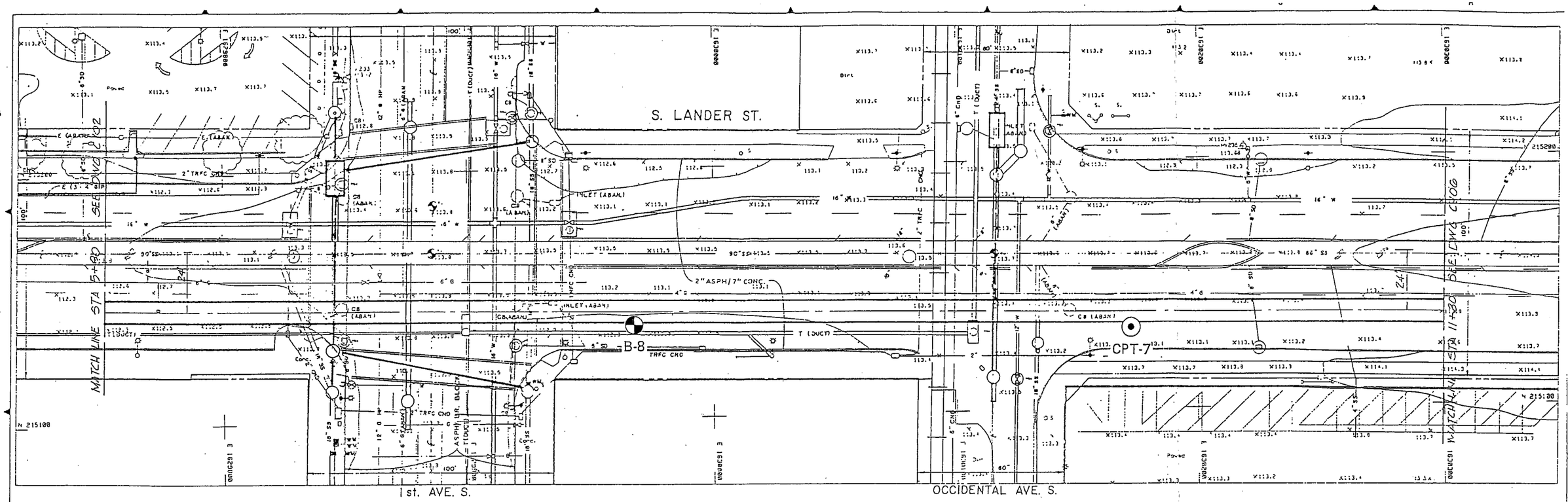
DATE
FILE NO. 777-447
DRAWING NO. C 121
SHEET 47 OF 117

OVERLAY IDENTIFICATION: COMPOSITE C121 121-A; OVERLAY C121 121-A; SCREEN 5
PROJ NO
CONTRACT

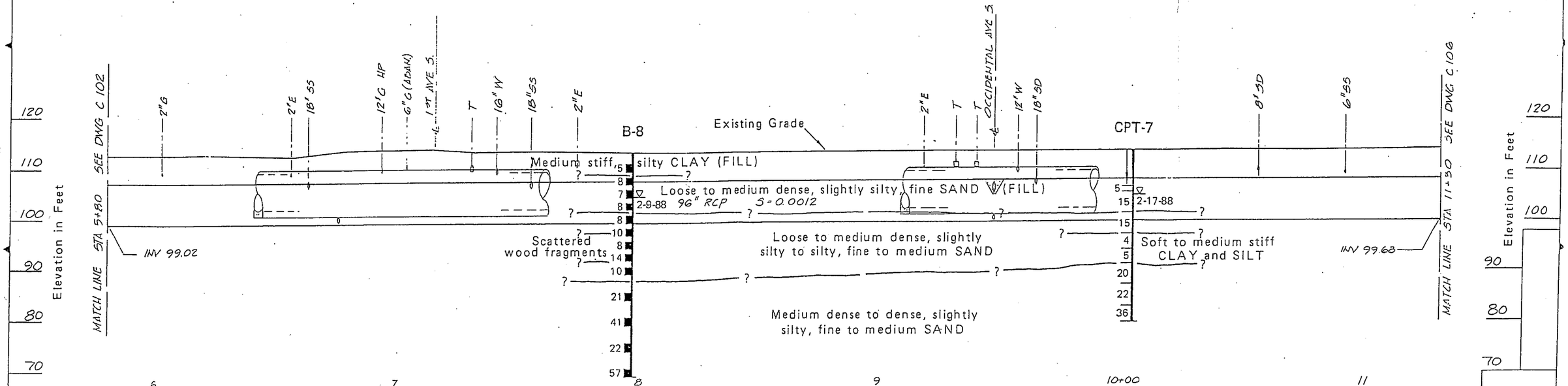
Property of City of Seattle 777-447-47



Section of Outfall
Section AB
Extra for Pile Foundation 152 ft. B.M. per bent
Section showing construction of timber foundation to be used between 6th Ave S and Occidental Ave
Approximate Bill of Material.
Heavy Section
Proposed Grade
Seattle Sewerage
Plan and Profile of
LANDER STREET
Trunk Sewer
Ordinance No 16700
Local Improvement District No 1642
August 13



SITE AND EXPLORATION PLAN AND SUBSURFACE PROFILE



VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

KCM and Associated Firms

August 1988 W-4894-03

SHANNON & WILSON, INC. Geotechnical Consultants

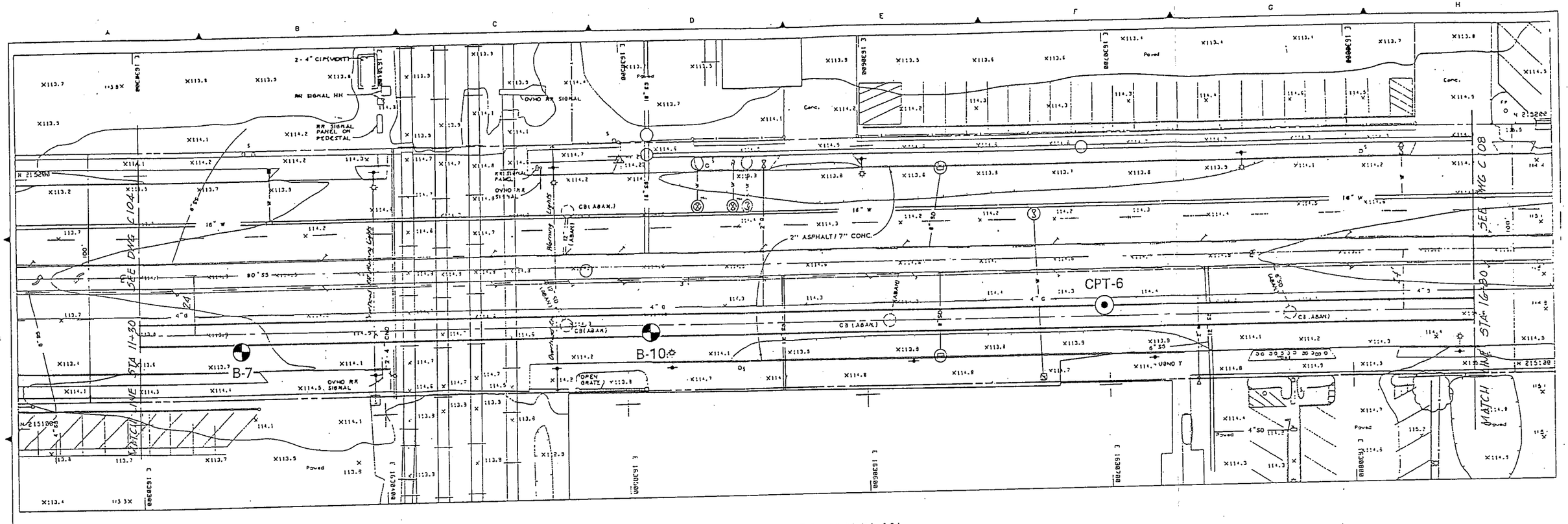
DESIGNED: DRAWN: CHECKED: RECOMMENDED: APPROVED: SCALE: CONTRACT NO:

METRO Municipality of Metropolitan Seattle

LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 5+80 TO STA 11+30

DRAWING NO. C 104

FIG. 4



SITE AND EXPLORATION PLAN
AND
SUBSURFACE PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

KCM and Associated Firms

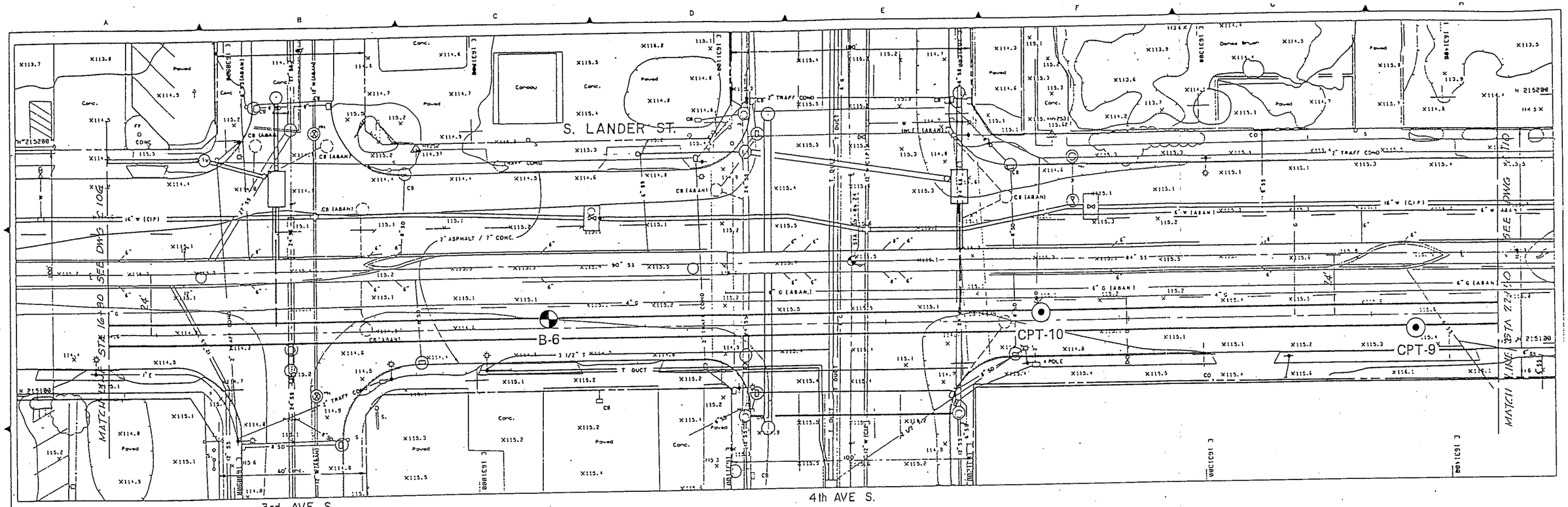
August 1988 W-4894-03

SHANNON & WILSON, INC. Geotechnical Consultants

metro Municipality of Metropolitan Seattle

LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 11+30 TO STA 16+80

FIG. 5



SITE AND EXPLORATION PLAN
AND
SUBSURFACE PROFILE

NO.	REVISION	BY	DATE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

KCM and Associated Firms

August 1988 W-4894-03

SHANNON & WILSON, INC. Geotechnical Consultants

DESIGNED: DRAWN: CHECKED: RECOMMENDED: APPROVED: SCALE: CONTRACT NO:

METRO Municipality of Metropolitan Seattle

LANDER SEPARATION PROJECT PHASE I
PLAN AND PROFILE
STA 16+80 TO STA 22+50

DRAWING NO. C 108

FIG. 6