SECTION I

SECTION II

SECTION III

LEGEND
- NEW SEWERS
- EXISTING SEWERS
- MANHOLE
- LAMPHOLE

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
SPALDING BLDG. PORTLAND, OREGON

CITY OF WEST LINN, OREGON
SEWER IMPROVEMENTS
GENERAL LAYOUT

SCALE: 1" = 300'

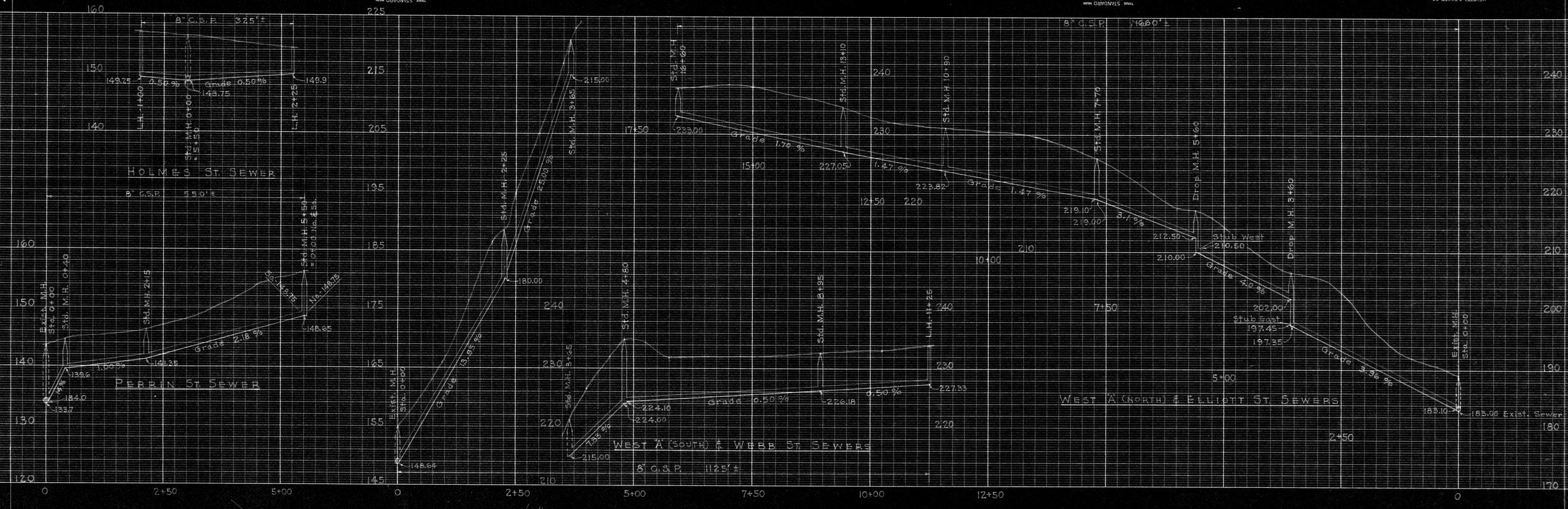
		REVISIONS	DATE OCT. 1
DESIGN	E. J. J.		
DRAWN	R.D.K.		NO. 1 OF
TRACED			631-A
CHECKED			403

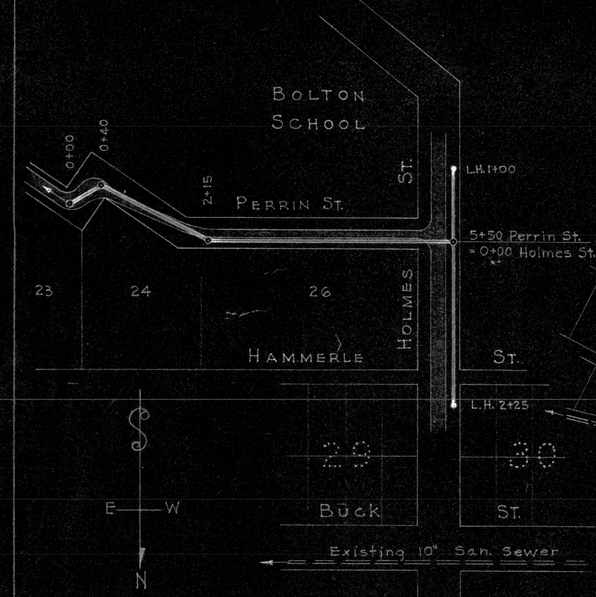
CITY OF WEST LINN, OREGON
SEWER IMPROVEMENTS
SECTION I
PLAN & PROFILE
SCALE: HORIZ.: 1" = 100' VERT.: 1" = 8'

JOHN W. CUNNINGHAM & ASSOC.
CONSULTING ENGINEERS
PORTLAND, OREGON

OCTOBER, 1956

631-A-2
4038



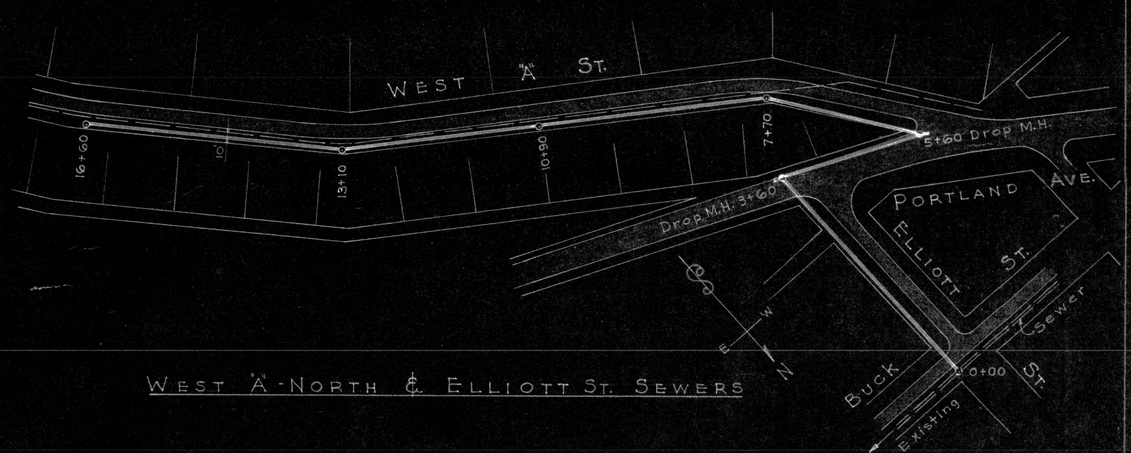


HOLMES & PERRIN ST. SEWERS

SECTION III

WEST "A"-SOUTH & WEBB ST. SEWERS

SECTION II



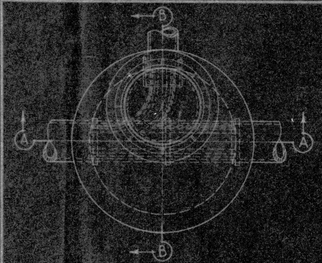
WEST "A"-NORTH & ELLIOTT ST. SEWERS

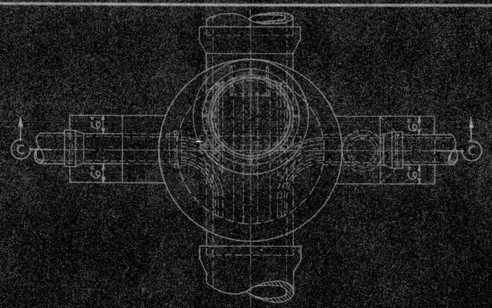
CITY OF WEST LINN, OREGON
SEWER IMPROVEMENTS
SECTIONS II & III
PLANS & PROFILES

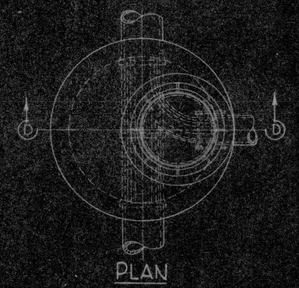
SCALE: HORIZ.: 1" = 100'
VERT.: 1" = 8'

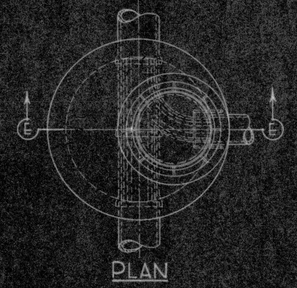
JOHN W. CUNNINGHAM & ASSOC.
CONSULTING ENGINEERS
PORTLAND, OREGON
OCTOBER, 1956

631-A-3
4039



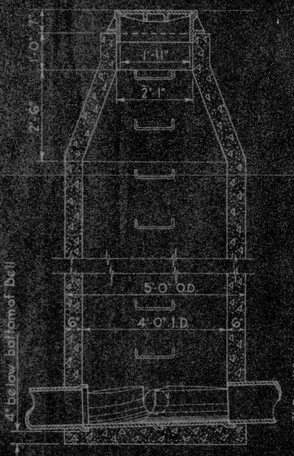




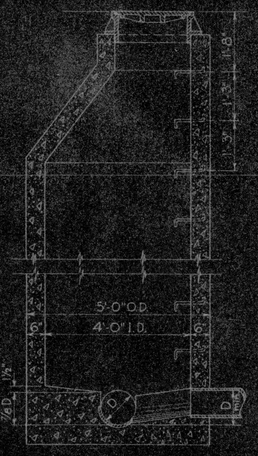


Cover and Frame to be machined to a true bearing all around.

Estimated weight:
Cover - 139 lbs.
Frame - 237 lbs.



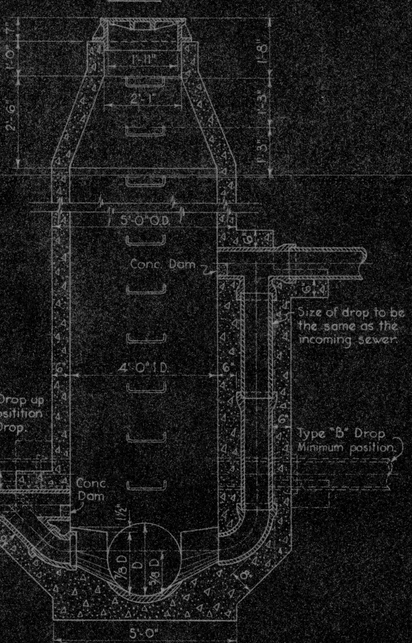
SECTION "A-A"



SECTION "B-B"

STANDARD MANHOLE

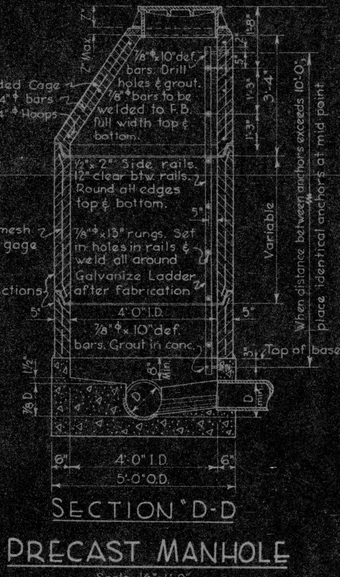
Scale: ½"=1'-0"



SECTION "C-C"

STANDARD DROP MANHOLE

Scale: ½"=1'-0"

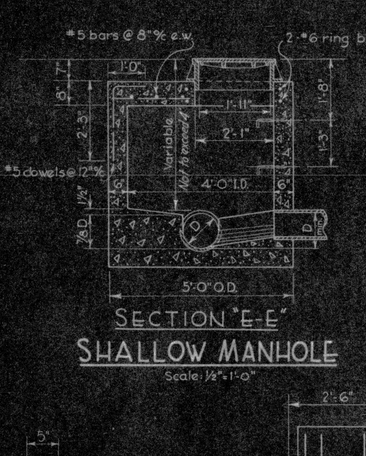


SECTION "D-D"

PRECAST MANHOLE

Scale: ½"=1'-0"

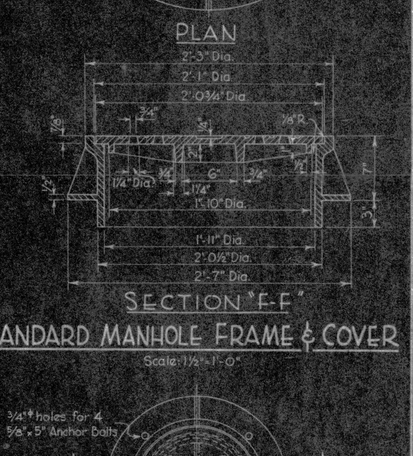
(To be used *only* where specifically provided for in contract & specifications.)



SECTION "E-E"

SHALLOW MANHOLE

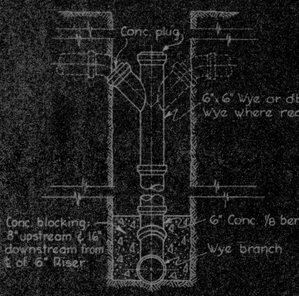
Scale: ½"=1'-0"



SECTION "F-F"

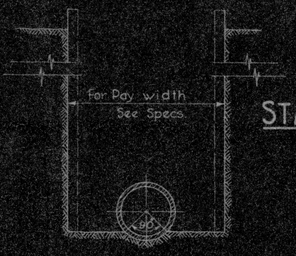
STANDARD MANHOLE FRAME & COVER

Scale: 1½"=1'-0"

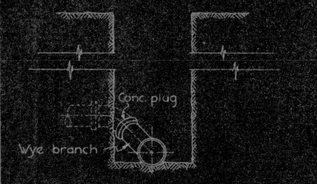


TYPICAL STANDING CONNECTION

Scale: ½"=1'-0"

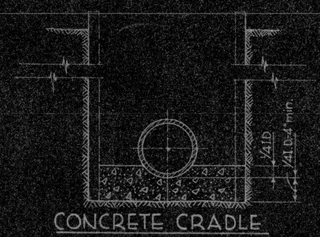


STANDARD BEDDING



STANDARD HOUSE CONNECTION

Scale: ½"=1'-0"



CONCRETE CRADLE

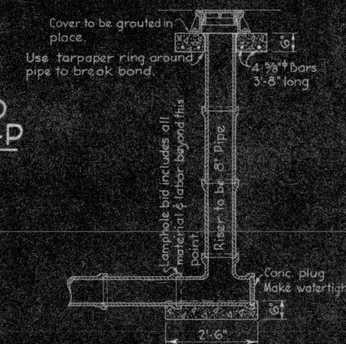
STANDARD BEDDING METHODS

Scale: 1"=1'-0"

STANDARD MANHOLE STEP

Scale: 1"=1'-0"

PLAN

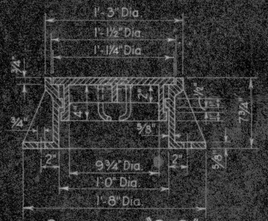


SECTION "H-H"

STANDARD LAMPHOLE

Scale: ½"=1'-0"

PLAN



SECTION "G-G"

STANDARD LAMPHOLE FRAME & COVER

Scale: 1½"=1'-0"

JOHN W. CUNNINGHAM & ASSOCIATES
CONSULTING ENGINEERS
PORTLAND TRUST BLDG. PORTLAND, OREGON

CITY OF WEST LINN, OREGON
SEWER IMPROVEMENTS

MANHOLE DETAILS

SCALE: NOTED

DESIGN	E.J.J.	REVISIONS	DATE OCT. 1956
DRAWN			No. 4 OF 4
TRACED	L.M.C.		631-A-4
CHECKED			4040

REGISTERED PROFESSIONAL ENGINEER
STATE OF OREGON
EDWARD J. JAMES