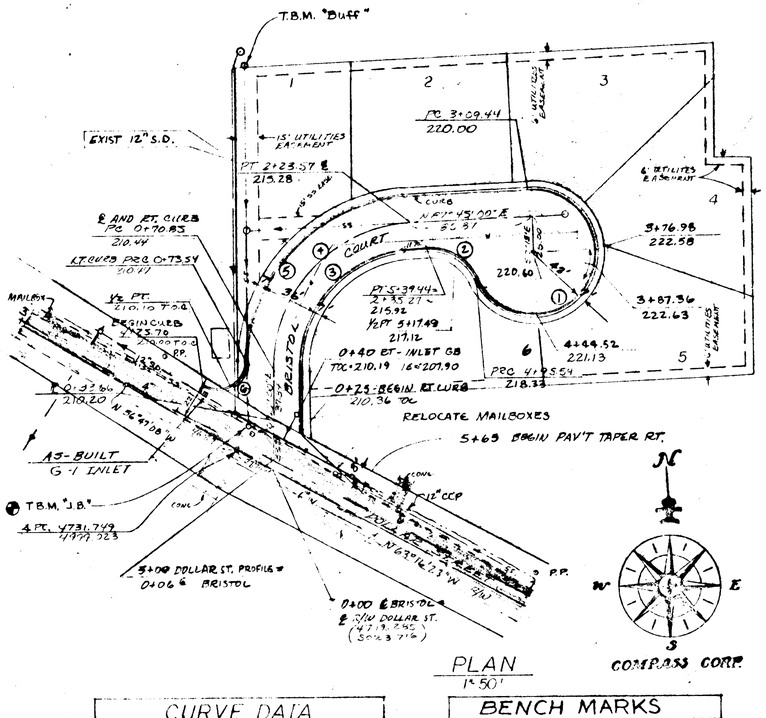
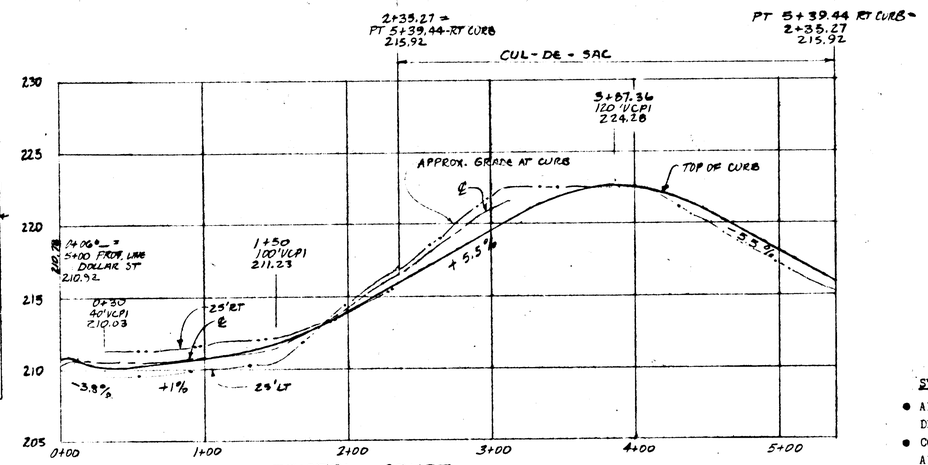
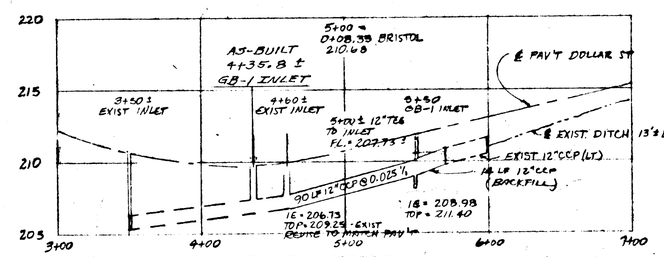


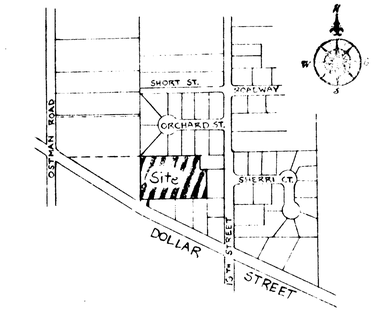
PLAN
1" = 50'



BRISTOL COURT
1" = 50' HORIZ. 1" = 5' VERT



DOLLAR STREET
1" = 50' HORIZ. 1" = 5' VERT

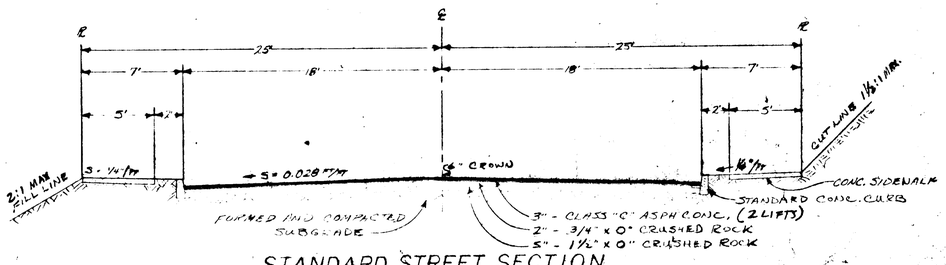


VICINITY MAP
1" = 400'

CURVE DATA			
CURVE	RADIUS	DELTA	LENGTH
1 CURB	43'	247°58'30"	186.10
2 CURB	37'	67°58'30"	43.90
3 CURB	82'	87°30'00"	125.23
4 ℄	100'	87°30'00"	152.72
5 CURB	118	85°57'38"	180.21
6 CURB	22'	121°25'30"	46.62

BENCH MARKS	
DESCRIPTION	ELEV.
I.P. in monument box at Dollar and Ostman	210.24
"J.B." - north edge san. MH rim at S.W. corner	209.78
"Buff" - paint mark S. rim san MH at N.W. corner.	213.64

RADIUS POINT COORDINATES		
CURVE	NORTH	EAST
1	4868.021	5206.937
2	4835.131	5134.010
3,4,5	4789.708	5124.082
6	4774.079	4984.150



STANDARD STREET SECTION
1" = 5'

STREET AND STORM DRAINAGE NOTES:

- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE CITY OF WEST LINN PUBLIC WORKS DEPARTMENT O.S.H.D. AND A.P.W.A. OREGON CHAPTER SPECIFICATIONS.
- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL REPORT ANY IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND MUST BE VERIFIED BY CONTRACTOR. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST.
- STREET CONSTRUCTION SHALL BE IN ACCORDANCE WITH DIVISION TWO (2) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, A.P.W.A. OREGON CHAPTER.
- MATERIALS IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH THAT PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 2 1/4 INCHES MINUS CRUSHED. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED AT THE LOWEST MOISTURE CONTENT WHICH A HANDFUL OF THE SOIL CAN BE MOLDED BY A FIRM CLOSING OF THE HAND. (95%)
- CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN SUBGRADING IS COMPLETED AND 24 HOURS PRIOR TO PLACEMENT OF ROCK BASE MATERIAL AND 24 HOURS PRIOR TO FINAL PAVING FOR EACH PART OF THE WORK.
- ENGINEER RESERVES THE RIGHT TO ADJUST GRADES OR ALIGNMENT TO ACCOMMODATE UTILITIES OR EXISTING SEWER LINES AS REQUIRED.
- ASPHALT CONCRETE PAVEMENT TO BE CLASS "C". MIX TO BE DESIGNED FROM A JOB MIX APPROVED BY THE O.S.H.D. FOR MATERIALS USED. CONTRACTOR TO PROVIDE ENGINEER CERTIFICATE OF COMPLIANCE FROM ASPHALT PAVEMENT PLANT.
- ASPHALT CONCRETE IS TO BE PUT ON IN TWO (2) LIFTS AND COMPACTED TO 1 1/2" PER LIFT.
- CONCRETE PIPE SHALL BE ASTM C 14 CLASS 2 NONREINFORCED CONCRETE PIPE.
- PIPE BEDDING AND TRENCH GRANULAR BACKFILL IN PAVED AREAS SHALL CONFORM WITH BEDDING AND BACKFILL REQUIREMENTS OF A.P.W.A. DIVISION III, SECTION 61-3. 61-3.05. COMPACTION TO BE MECHANICAL OR VIBRATORY TO 95% MAXIMUM DENSITY DETERMINED BY AASHD T-99 IN ACCORDANCE WITH A.P.W.A. DIVISION III, SECTION 61-. WATER SETTLEMENT MAY BE ALLOWED AT POINT OF CITY ENGINEER AT TIME OF PAVING.
- TRENCH BACKFILL OUTSIDE OF PAVED AREAS MAY BE EXCAVATED TRENCH MATERIAL COMPACTION TO 85% MAXIMUM DENSITY. BEDDING TO BE CLASS "B".

AS-BUILT

BRISTOL PARK
WEST LINN, OREGON

DATE	NO.	REVISION
7-7-78	4	AS BUILT [illegible]
10-27-77	3	ADDED EL. IRAD MT.
10-24-77	2	CORRECTED HG. CURVE LENGTH
10-20-77	1	APPROVAL STAMPER

DRAWN B. MC DESIGN GK
SCALE AS SHOWN DATE JULY '77
FILE 77-1063-912

COMPASS CORPORATION
ENGINEERING - SURVEYING - PLANNING. 653-9093
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97222

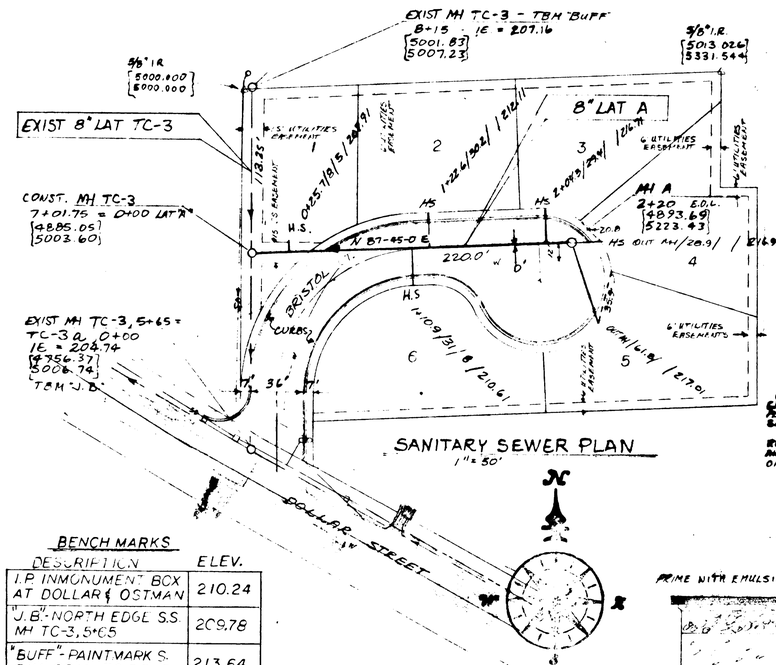
JACK BRISTOL TELEPHONE 638-6640
21545 S.W. JOHNSON ROAD
WEST LINN, OREGON 97068

ROAD AND STORM DRAIN
IMPROVEMENTS PLAN AND PROFILE

Willamette Print & Blueprint Company

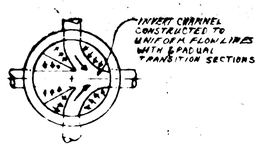
HOUSE SERVICE CONNECTION LEGEND

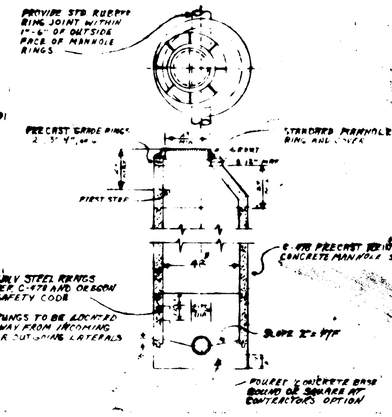
STA ON OF WYE / LENGTH / DEPTH AT R / I.E AT R



SANITARY SEWER PLAN

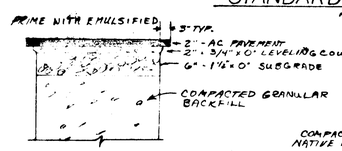
1" = 50'





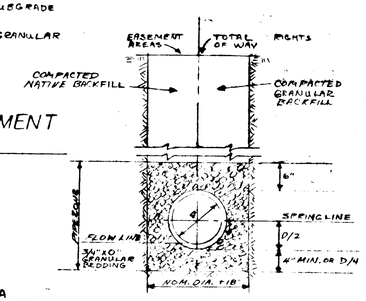
STANDARD MANHOLE

NTS



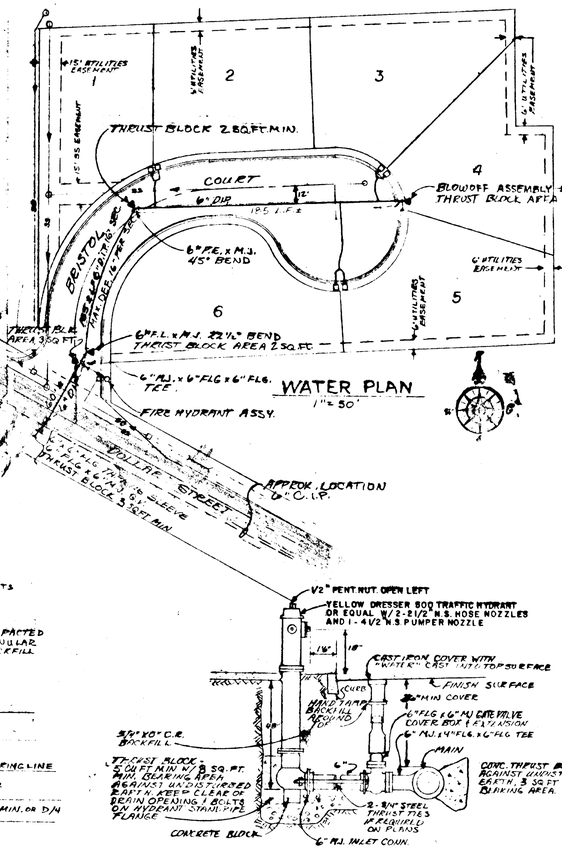
A.C. PAVEMENT REPLACEMENT DETAIL

NTS



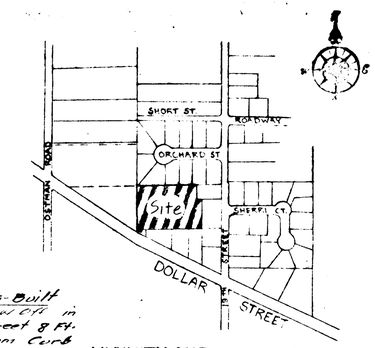
TRENCH SECTION

NTS



WATER PLAN

1" = 50'



VICINITY MAP

1" = 400'

FIRE HYDRANT ASSEMBLY

NTS

WATER LINE CONSTRUCTION NOTES:

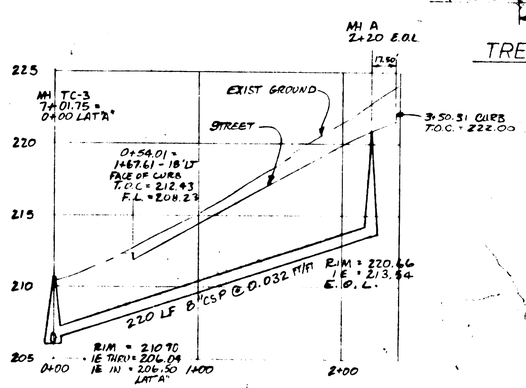
- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL CONSTRUCT THE WATERMAIN TO AVOID CONFLICT WITH EXISTING UTILITIES.
- CONTRACTOR TO OBTAIN ALL PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
- ALL WORK AND MATERIALS TO CONFORM WITH THE CITY OF WEST LINN, THE LATEST EDITION OF OREGON STATE HEALTH DIVISION ADMINISTRATIVE RULES, CHAPTER 333, A.W.W.A. AND A.P.W.A. STANDARDS.
- ALL PIPE TO BE MINIMUM COVER OF 36 INCHES BELOW FUTURE STREET GRADES.
- ALL MAINS TO BE CLEANED AND FLUSHED WITH POTABLE WATER PRIOR TO DISINFECTION AND TESTING.
- PIPELINE TO BE TESTED AT 150 PSI AND HELD AT THAT PRESSURE FOR 2 HOURS.
- PIPELINE TO BE THOROUGHLY DISINFECTED AND FLUSHED IN ACCORDANCE WITH A.W.W.A. STANDARD C 601.
- PIPELINE TO BE TYTON JOINT CEMENT MORTAR LINED DUCTILE IRON PIPE CLASS 51 OF 52 AND SHALL CONFORM TO ASTM C110, C150 AND C151.
- HOUSE SERVICE TO BE COPPER TYPE "K" SEAMLESS SOFT ANNEALED.
- SINGLE SERVICES TO BE 3/4 INCH.
- METER BOXES TO BE NO. 1 METER BOX AS MANUFACTURED BY METER BOX EQUIPMENT COMPANY, TIGARD, OREGON.
- COPPER TUBE BENDS TO BE SMOOTH RADIUS.
- SERVICE TAPS TO BE AT LEAST 18 INCHES APART. SADDLES REQUIRED.
- CONTRACTOR TO INSTALL PIPELINE AND HOUSE SERVICES TO AND INCLUDING CURB STOPS AND METER BOXES.
- VALVES TO BE A.W.W.A. C 500 FOR GATE OR C 504 FOR BUTTERFLY.
- VALVES TO HAVE 2 INCH OPERATING NUT WITH COUNTER CLOCKWISE OPENING AND NON-RISING STEM. OPERATOR FOR BUTTERFLY VALVE TO BE LOCATED TOWARD CENTER OF STREET.
- CONCRETE THRUST BLOCKS TO BE CONSTRUCTED AT ALL TEES, BENDS FIRE HYDRANTS, BLOWOFFS AND WHERE INDICATED ON PLANS. THE MINIMUM BEARING SURFACE AGAINST UNDISTURBED SOIL TO BE AS SHOWN ON PLANS.

BENCH MARKS

DESCRIPTION	ELEV.
I.P. IN MONUMENT BOX AT DOLLAR & OSTMAN	210.24
"J.B."-NORTH EDGE S.S. MH TC-3, 5+65	209.78
"BUFF"-PAINTMARK S. RIM SS MH TC-3, 8+15	213.64

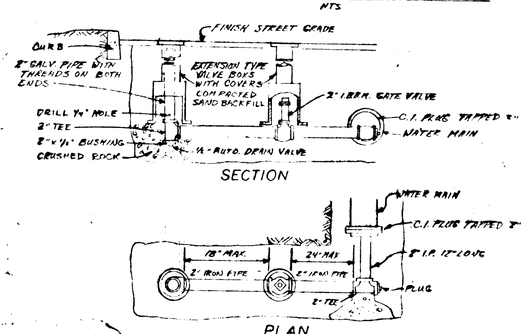
SANITARY SEWER CONSTRUCTION NOTES:

- CONSTRUCTION SHALL CONFORM WITH THE CITY OF WEST LINN AND A.P.W.A. SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERS.
- CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
- ALL CONCRETE SANITARY SEWER PIPE SHALL BE ASTM C 14, CLASS 2 NONREINFORCED CONCRETE PIPE WITH RUBBER GASKETS.
- CONTRACTOR TO LOCATE ALL UTILITIES BEFORE STARTING CONSTRUCTION AND SHALL RELOCATE ANY IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND MUST BE VERIFIED BY CONTRACTOR. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST.
- ENGINEER RESERVES THE RIGHT TO ADJUST GRADES OR ALIGNMENT TO ACCOMODATE UTILITIES OR EXISTING SEWER LINES AS REQUIRED.
- BUILDING SERVICE CONNECTIONS TO BE 4 INCH SEWER PIPE AND SHALL EXTEND TO PROPERTY LINE OF LOT BEING SERVED.
- SERVICE CONNECTION TO SLOPE 2% MINIMUM UP TO FUTURE HOUSE LOCATION FROM SEWER LATERAL OR MAIN. MAXIMUM FLOW LINE ELEVATION OF HOUSE SERVICE AT PROPERTY LINE SHOWN IN PARENTHESIS WHERE CRITICAL.
- CONTRACTOR SHALL PREPARE A PRINT FOR THE ENGINEER SHOWING AS CONSTRUCTED DATA: STATION OF WYE ALONG SEWER, LENGTH OF CONNECTION AND DEPTH OF SERVICE CONNECTION AT PROPERTY LINE OR END OF SERVICE AND ANY CHANGES MADE DURING CONSTRUCTION.
- PIPE BEDDING AND TRENCH GRANULAR BACKFILL IN PAVED AREAS SHALL CONFORM WITH GRANULAR BEDDING AND BACKFILL REQUIREMENTS OF A.P.W.A. DIVISION III, SECTION 61-3.03 B2 AND 61-3.05. COMPACTION TO BE MECHANICAL OR VIBRATORY TO 95% MAXIMUM DENSITY AS DETERMINED BY AASHO T-99 IN ACCORDANCE WITH A.P.W.A. DIVISION III, SECTION 61-3.05. WATER DETERMENT WILL BE ALLOWED IN PAVED AREAS WITH GRANULAR BACKFILL.
- STATIONING AND DISTANCE SHOWN ON PLAN AND PROFILE ARE HORIZONTAL AND NOT SLOPE DISTANCE.
- WYES AND 1/8 TH BENDS REQUIRED FOR SERVICE CONNECTIONS.



SANITARY SEWER LATERAL "A"

1" = 50' HORIZ 1" = 5' VERT



PLAN

STANDARD BLOWOFF ASSEMBLY

NTS

AS-BUILT

REGISTERED PROFESSIONAL ENGINEER 7697 OREGON JULY 29, 1977 RENEWAL DATE 12-31-78

BRISTOL PARK
WESTLINN, OREGON

DATE	NO.	REVISION
8-7-78	4	AS-BUILT INCLUDED
12-7-77	3	AS BUILT DATA ADDED
10-20-77	2	APPROVAL STICKERS
8-23-77	1	WATERLINE, MH AND U.S. SERC

DRAWN B. Mc DESIGN G.K.
SCALE AS SHOWN DATE JULY 1977
FILE 77-1063-912

COMPASS CORPORATION
ENGINEERING · SURVEYING · PLANNING
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97222 653-9093

JACK BRISTOL TELEPHONE 638-6640
21545 S.W. JOHNSON ROAD
WEST LINN, OREGON 97668

SANITARY SEWER AND WATER DISTRIBUTION IMPROVMENTS

2/2

Willamette Print & Blueprint Company