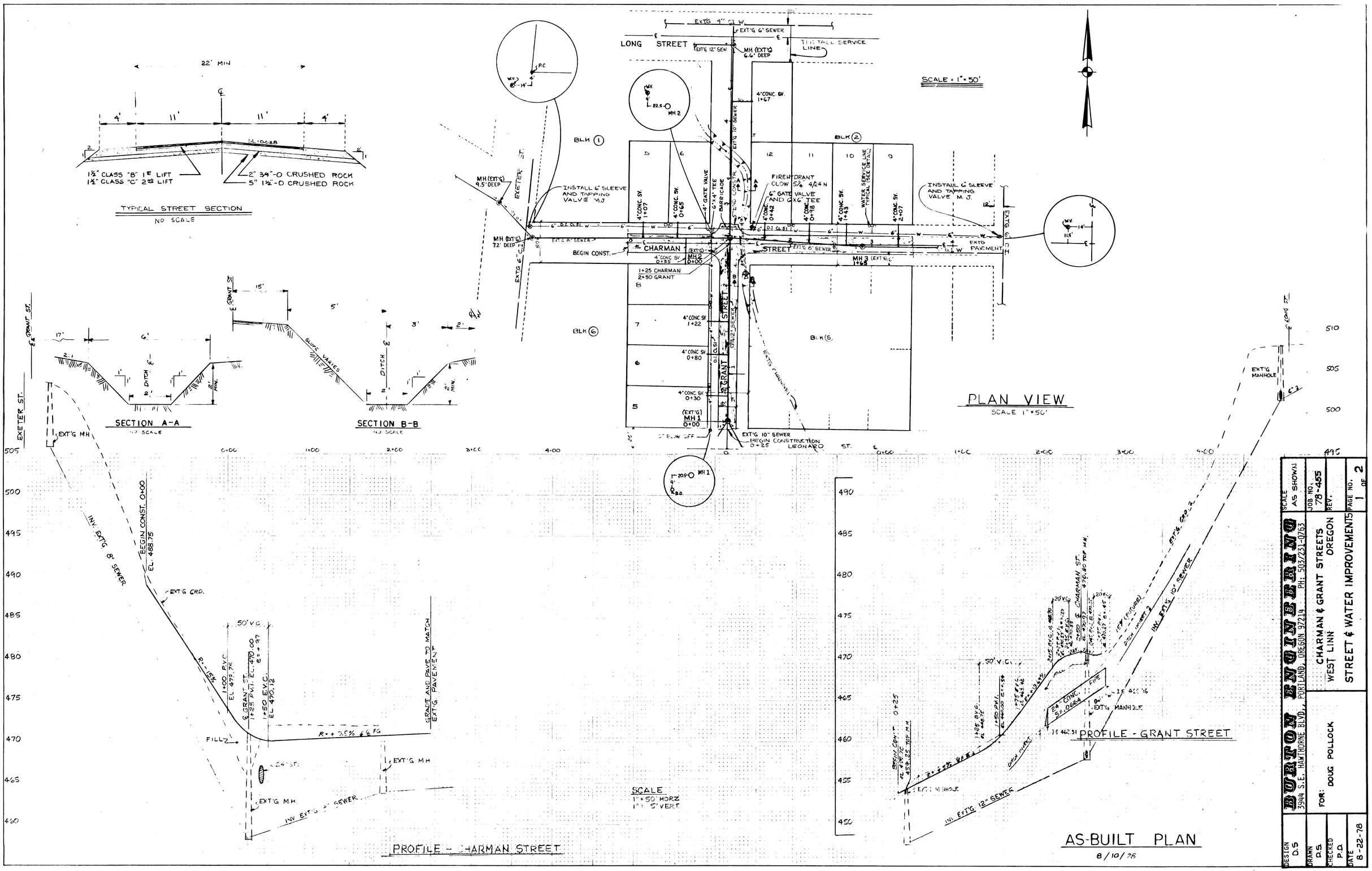
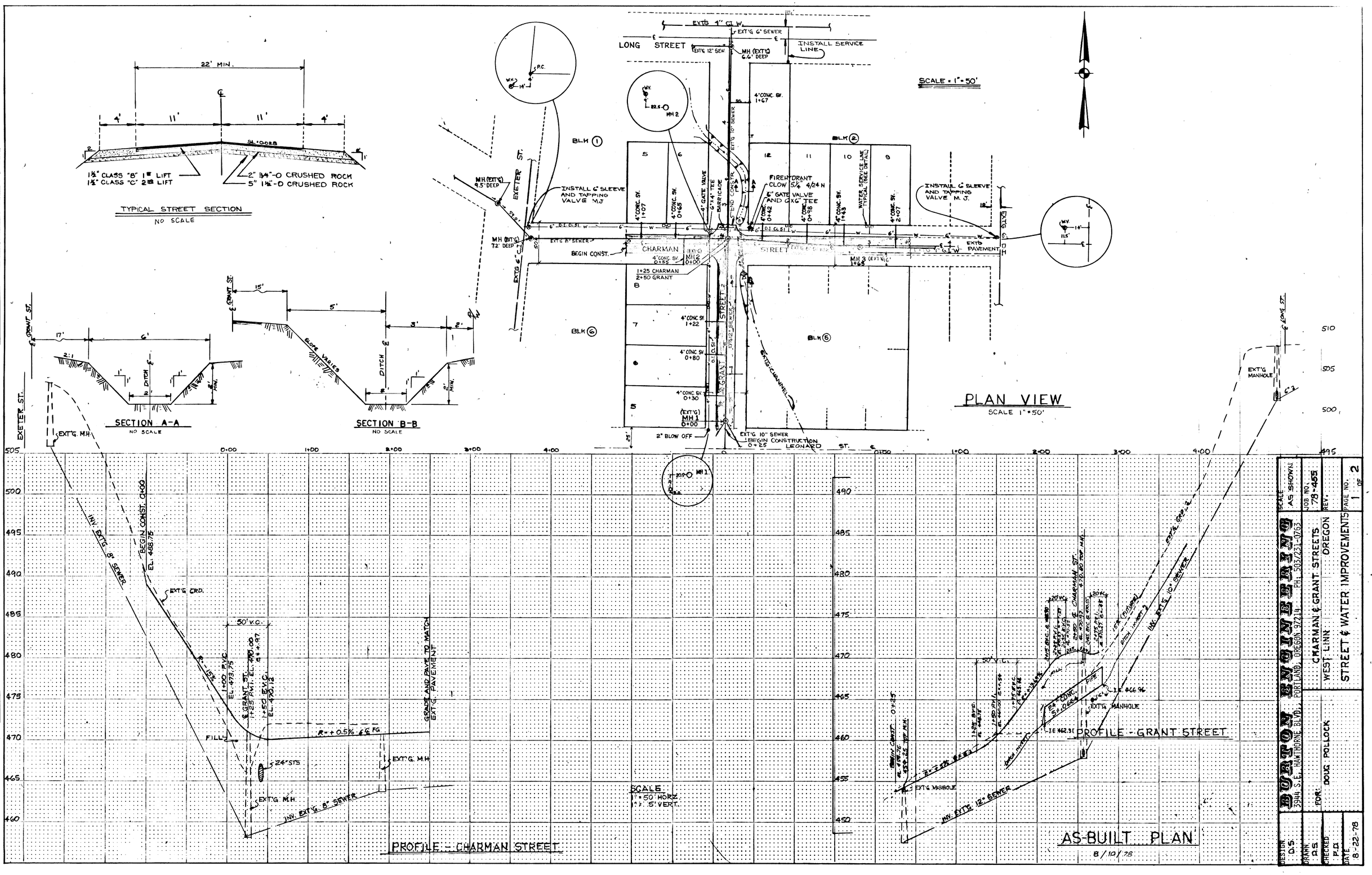

TYPICAL STREET SECTION
NO SCALE
22' MIN
1½" CLASS "B" 1st LIFT
1½" CLASS "C" 2nd LIFT
2" ¾"-0 CRUSHED ROCK
5" 1½"-0 CRUSHED ROCK
SECTION A-A
NO SCALE
SECTION B-B
NO SCALE
SCALE = 1" = 50'
LONG STREET
CHARMAN STREET
GRANT STREET
LEONARD ST.
EXETER ST.
BLK 1
BLK 2
BLK 5
BLK 6
INSTALL 6" SLEEVE AND TAPPING VALVE M.J.
FIRE HYDRANT CLOW 5¼ 4/24 N
6" GATE VALVE AND 6"x6" TEE
BEGIN CONST.
BEGIN CONSTRUCTION 0+25
PLAN VIEW
SCALE 1" = 50'
PROFILE - GRANT STREET
PROFILE - CHARMAN STREET
SCALE
1" = 50' HORZ
1" = 5' VERT.
AS-BUILT PLAN
8/10/78
BURTON ENGINEERING
3944 S.E. HAWTHORNE BLVD., PORTLAND, OREGON 97214 PH. 503/231-0763
CHARMAN & GRANT STREETS
WEST LINN OREGON
STREET & WATER IMPROVEMENTS
FOR: DOUG POLLOCK
SCALE AS SHOWN
JOB NO. 78-465
PAGE NO. 1 OF 2
DESIGN D.S.
DRAWN D.S.
CHECKED P.D.
DATE 8-22-78



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK NO.
BY
DATE

BURTON ENGINEERING
3944 S.E. HAWTHORNE BLVD., PORTLAND, OREGON 97214 PH. 503/231-0763

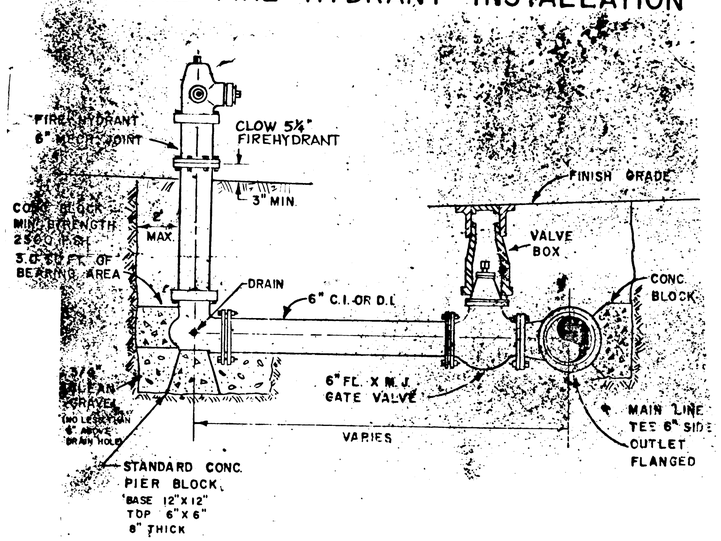
FOR: DOUG POLLOCK

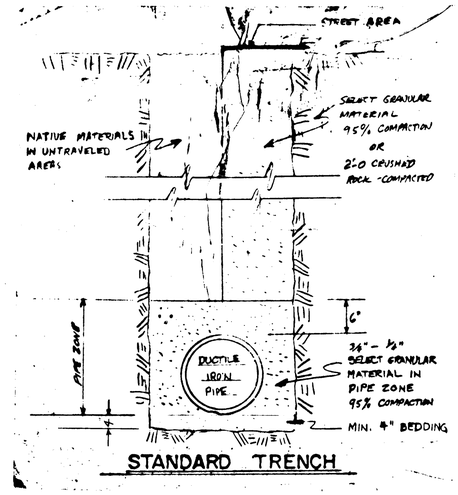
CHARMAN & GRANT STREETS
WEST LINN OREGON
STREET & WATER IMPROVEMENTS

SCALE AS SHOWN
JOB NO. 78-455
REV.
PAGE NO. 1 OF 2

DESIGN D.S.
DRAWN P.S.
CHECKED P.D.
DATE 8-22-78

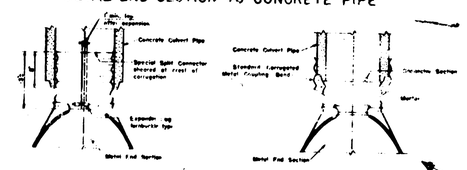
TYPICAL FIRE HYDRANT INSTALLATION

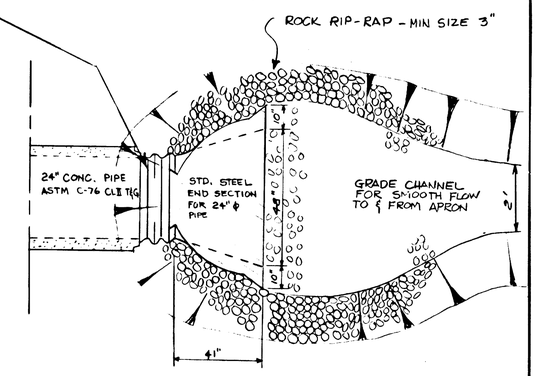




STANDARD TRENCH

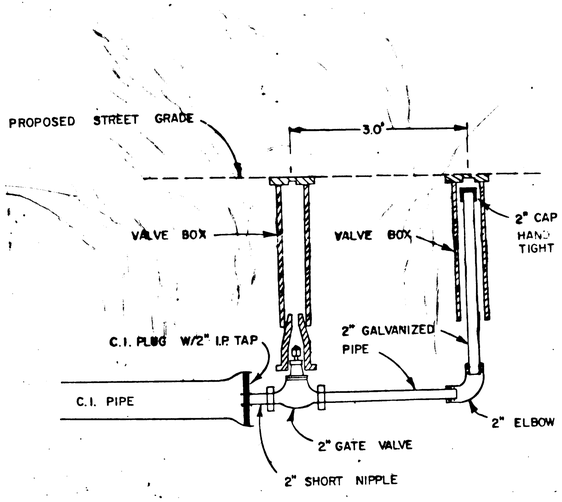
ALTERNATE CONNECTIONS
METAL END SECTION TO CONCRETE PIPE

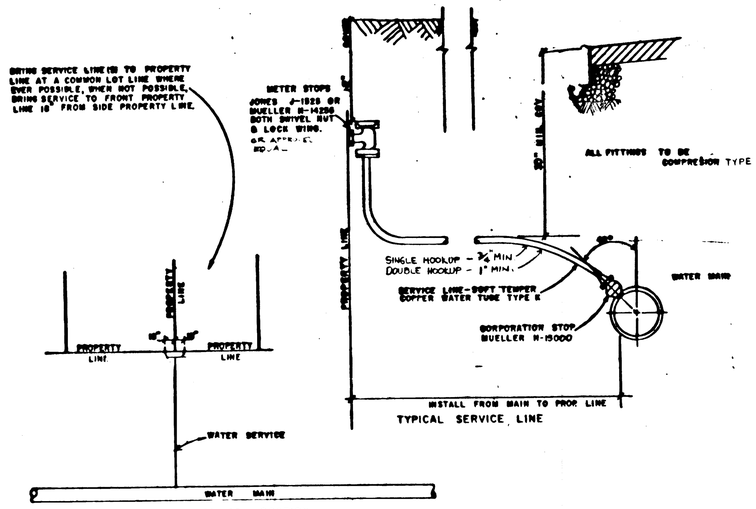




DETAIL - INLET AND OUTLET - 24" CULVERT @ STA. 1+45 CHARMAN STREET AND STA. 3+73 GRANT STREET

TYPICAL BLOWOFF





TYPICAL SERVICE LINE

TYPICAL WATER SERVICE LOCATION

WATER SPECIFICATIONS

All water mains shall be ductile iron, schedule 51 to 52.

Minimum of 36" depth, with select backfill requirements.

All services shall require a service saddle.

All double services shall use 1" diameter type "K" soft copper.

All meter locations shall be located 10" below the top of the curb and 5" behind the curb.

Meter boxes shall be furnished by the contractor. The type to be specified by the city.

Contractors or property owners will be liable for damages incurred to any part of the existing system, including meter boxes, meters, valves, mains, etc...

All services shall use Ford type compression fittings.

All fire hydrants shall be Waterous type, and spooled or rodded to the main. Fire hydrant auxiliary valves shall be located at the water main.

All new systems will be pressure tested and observed by a member of the City Water Department.

All work related to the water system shall be coordinated through the City Water Foreman at 656-6081.

DESIGN D.S	BURTON ENGINEERING 3944 S.E. HAWTHORNE BLVD. PORTLAND, OREGON 97214 PH: 503/231-0763		SCALE AS NOTED
DRAWN D.S	FOR: DOUG POLLOCK	CHARMAN & GRANT ST WEST LINN, OREGON STREET & WATER IMPROVEMENTS	JOB NO. 78-455
CHECKED P.D		DETAIL SHEET	REV.
DATE 8-22-78			PAGE NO 2 of 2