PLAN VIEW (Left)

EXISTING 100mm WATERLINE

EXISTING 100mm HYDRANT (REMOVE)

150mm to 100mm REDUCER

STATION & OFFSET AS SHOWN ON PLANS

EXISTING 300mm x 100mm x 300mm TEE

EXISTING 300mm WATER MAIN

441 COUPLING

EXISTING GATE VALVE

NEW 100mm D.I.P. WATERLINE (LENGTH VARIES AS REQUIRED)

NEW 150mm HYDRANT (L.C.W.D. STANDARDS)

PLAN VIEW

PLAN VIEW (Right)

EXISTING 150mm WATERLINE

EXISTING 150mm HYDRANT (RELOCATE)

STATION & OFFSET AS SHOWN ON PLANS

EXISTING 300mm x 150mm x 300mm TEE

EXISTING 300mm WATER MAIN

441 COUPLING

EXISTING GATE VALVE

NEW 150mm D.I.P. WATERLINE (LENGTH VARIES AS REQUIRED)

RELOCATED HYDRANT

PLAN VIEW

ELEVATION VIEW (Left)

LARGEST PUMPER CONNECTION TO FACE STREET

EXISTING 100mm HYDRANT (REMOVE)

NEW 150mm HYDRANT (L.C.W.D. STANDARDS)

EXISTING VALVE BOX

1'−150mm (MIN.)

ADJUST EXISTING VALVE BOX TO GRADE. COST TO BE INCLUDED IN ITEM 638 − VALVE BOX ADJUSTED TO GRADE.

EXISTING 100mm GATE VALVE

EXISTING 300mm WATER MAIN

HYDRANT STANDPIPE

300mm (TYP.)

UNDISTURBED SOIL

CONCRETE THRUST BLOCKING W/OAK WEDGES AGAINST UNDISTURBED EARTH

300mm

300mm

NO. 57 LIMESTONE BEDDING AND BACKFILL

441 COUPLING

NEW 100mm D.I.P. WATERLINE (LENGTH VARIES AS REQUIRED)

150mm to 100mm REDUCER

SOLID CONCRETE BLOCK

ELEVATION VIEW

ELEVATION VIEW (Right)

EXISTING 150mm HYDRANT (RELOCATE)

RELOCATED HYDRANT

EXISTING VALVE BOX

450mm (MIN.)

ADJUST EXISTING VALVE BOX TO GRADE. COST TO BE INCLUDED IN ITEM 638 − VALVE BOX ADJUSTED TO GRADE.

EXISTING 150mm GATE VALVE

EXISTING 300mm WATER MAIN

300mm (TYP.)

UNDISTURBED SOIL

CONCRETE THRUST BLOCKING W/OAK WEDGES AGAINST UNDISTURBED EARTH

300mm

300mm

NO. 57 LIMESTONE BEDDING AND BACKFILL

441 COUPLING

NEW 150mm D.I.P. WATERLINE (LENGTH VARIES AS REQUIRED)

SOLID CONCRETE BLOCK

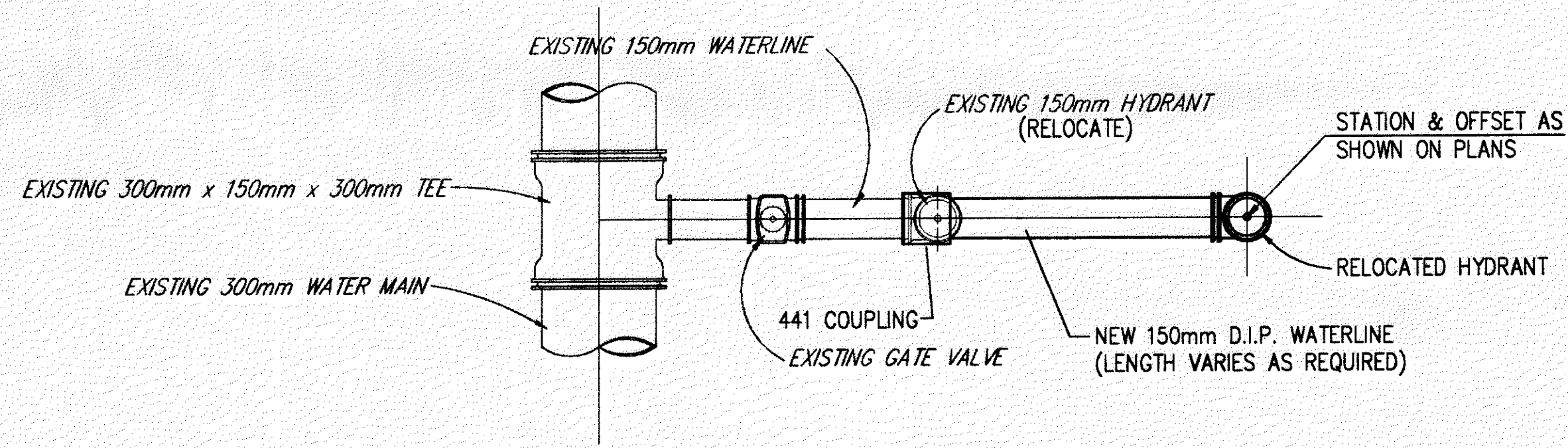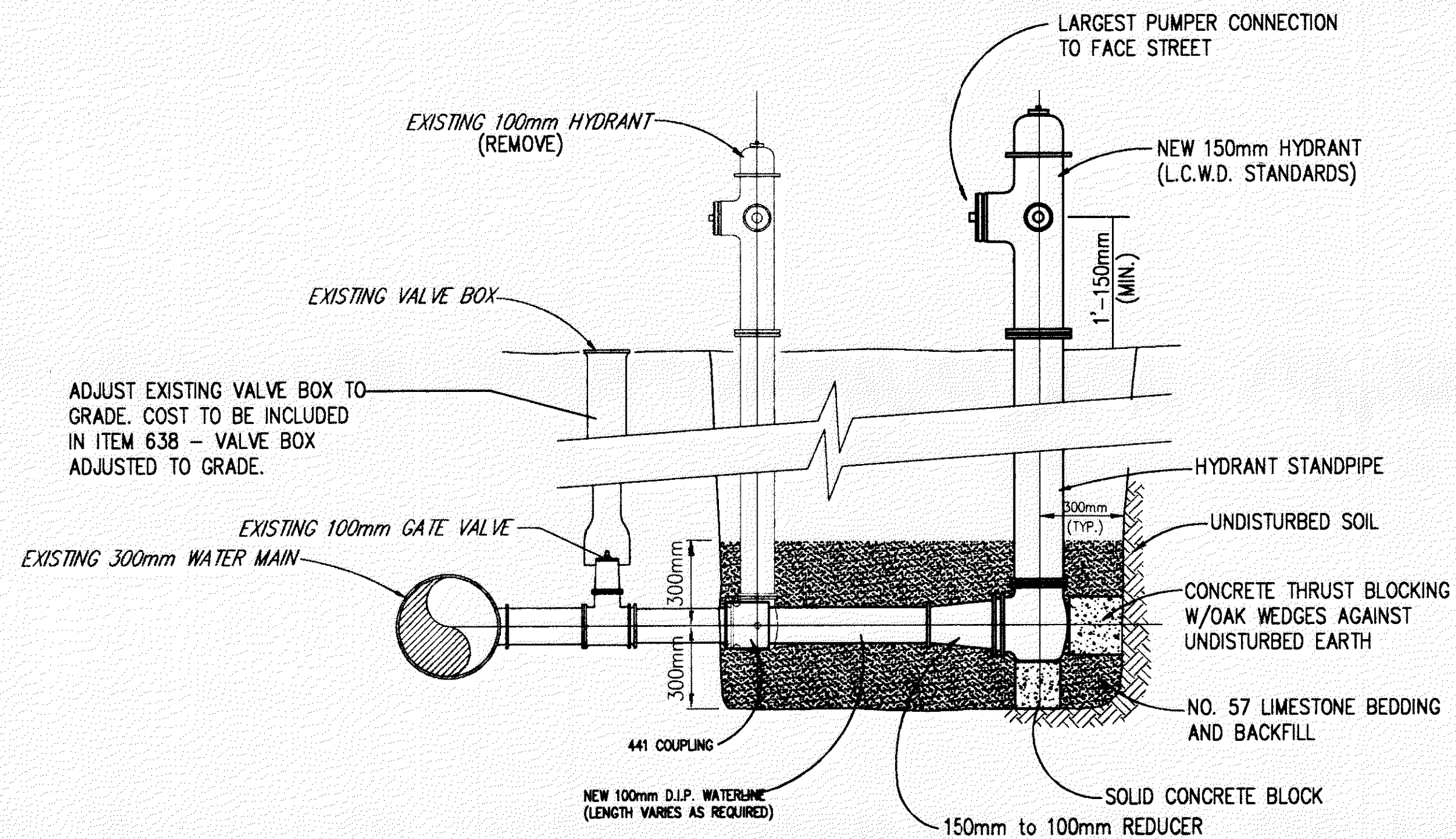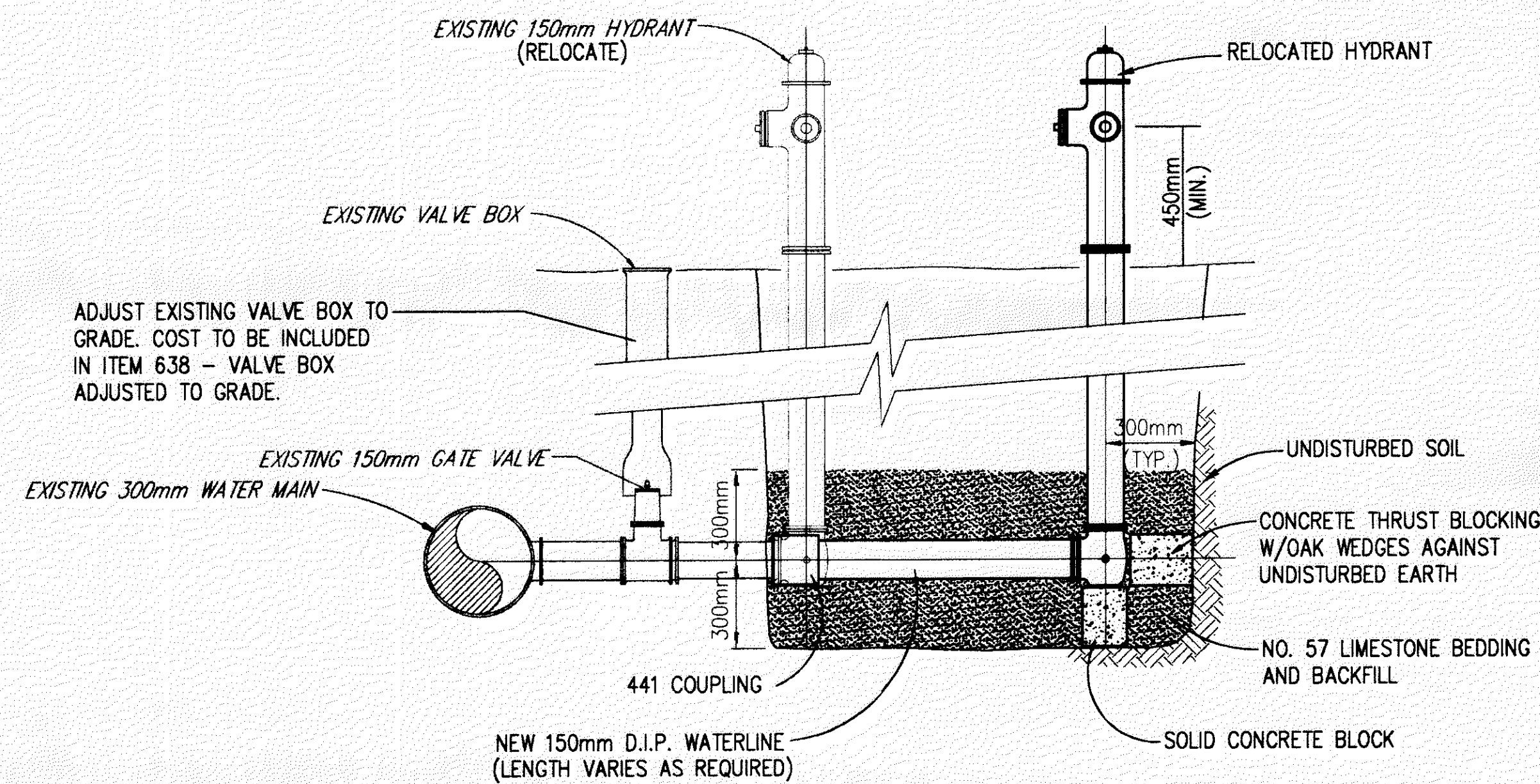**ELEVATION VIEW**

ITEM SPEC. − HYDRANT REMOVED AND REPLACED

THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING HYDRANT, EXTEND THE 100mm WATERLINE AND INSTALL A 150mm TO 100mm REDUCER AND NEW 150mm FIRE HYDRANT AT THE LOCATIONS CALLED OUT ON THE PLAN SHEETS. ALL NEW WATERLINE MATERIAL AND FITTINGS SHALL BE PER LAKE COUNTY WATER DEPARTMENT STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF THE EXISTING HYDRANT.

ALL COSTS ASSOCIATED WITH THIS WORK INCLUDING EXCAVATION; GRANULAR BACKFILL; FITTINGS; NUTS; BOLTS; ZINC PROTECTO CAPS; HYDRANT INLET PIPE AND EXTENSION; DEWATERING; SHEETING OR SHORING; PIPE BEDDING AND PIPE BACKFILL; DISPOSAL OF WASTE MATERIALS; PROTECTION OF STRUCTURES, UTILITIES, SERVICE CONNECTIONS OR OTHER FACILITIES; THRUST BLOCKING; JOINT RESTRAINTS; TESTING; FLUSHING; STERILIZING; AND PAINTING OF ALL HYDRANTS, TOGETHER WITH ALL LABOR, EQUIPMENT, TOOLS, AND MATERIALS NECESSARY TO COMPLETE THE WORK AS SHOWN, SPECIFIED OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN ITEM SPEC. − HYDRANT REMOVED AND REPLACED.

ITEM SPEC. − HYDRANT REMOVED AND RELOCATED

THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING HYDRANT, EXTEND THE 150mm WATERLINE AND INSTALL THE RELOCATED FIRE HYDRANT AT THE LOCATION CALLED OUT ON THE PLANS. ALL NEW WATERLINE MATERIAL AND FITTINGS SHALL BE PER LAKE COUNTY WATER DEPARTMENT STANDARDS.

ALL COSTS ASSOCIATED WITH THIS WORK INCLUDING EXCAVATION; GRANULAR BACKFILL; FITTINGS; NUTS; BOLTS; ZINC PROTECTO CAPS; HYDRANT INLET PIPE AND EXTENSION; DEWATERING; SHEETING OR SHORING; PIPE BEDDING AND PIPE BACKFILL; DISPOSAL OF WASTE MATERIALS; PROTECTION OF STRUCTURES, UTILITIES, SERVICE CONNECTIONS OR OTHER FACILITIES; THRUST BLOCKING; JOINT RESTRAINTS; TESTING; FLUSHING; STERILIZING; AND PAINTING OF ALL HYDRANTS, TOGETHER WITH ALL LABOR, EQUIPMENT, TOOLS, AND MATERIALS NECESSARY TO COMPLETE THE WORK AS SHOWN, SPECIFIED OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN ITEM SPEC. − HYDRANT REMOVED AND RELOCATED

WATERLINE DETAILS

LAK − 640 − 2.865 (178)