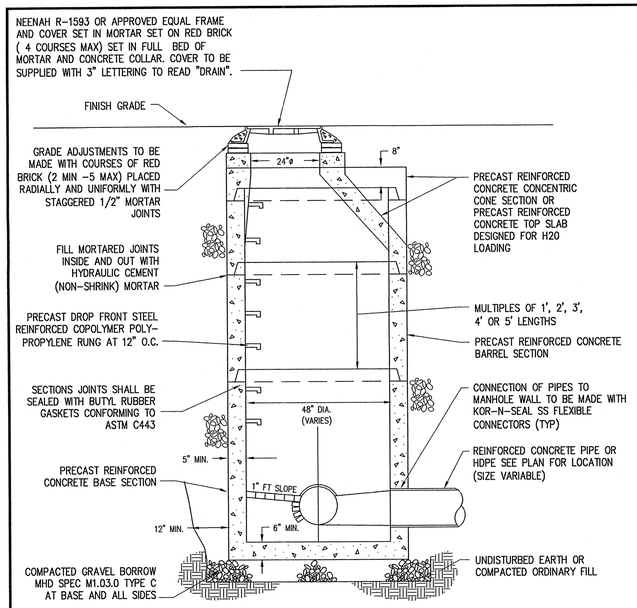
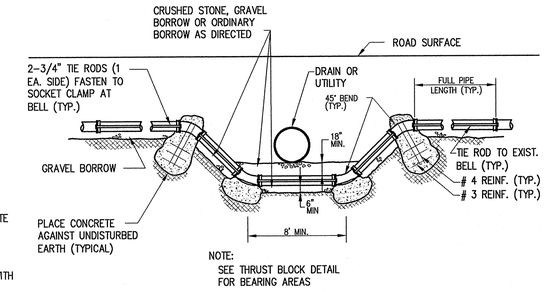


NOTES:
1. MANHOLE SHALL BE PRECAST CEMENT CONCRETE MANUFACTURED IN ACCORDANCE WITH ASTM C-478 (4,000 psi) DESIGNED FOR H-20-44 LOADING. MANHOLES SHALL BE 48" DIA. UNLESS OTHERWISE INDICATED ON GENERAL PLANS.
2. SEE GENERAL PLANS FOR PIPE SIZE, LINE AND GRADE.

PRECAST CONCRETE DRAIN MANHOLE

N.T.S.

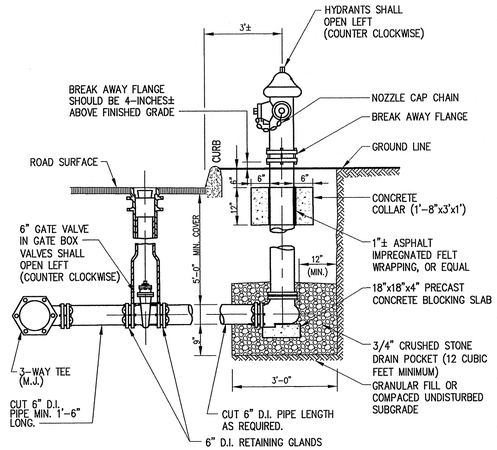


NOTE:
SEE THRUST BLOCK DETAIL FOR BEARING AREAS

NOTE:
WHERE WATER MAINS CROSS SEWERS, A MINIMUM OF EIGHTEEN INCHES (18") OF VERTICAL SEPARATION SHALL BE PROVIDED. ONE FULL LENGTH OF WATER PIPE SHALL BE PLACED OVER THE SEWER PIPE SO THAT BOTH JOINTS ARE AS FAR AWAY FROM THE SEWER AS POSSIBLE.

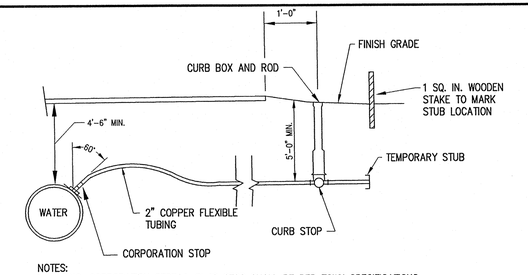
WATER MAIN CROSSING

N.T.S.



FIRE HYDRANT ASSEMBLY

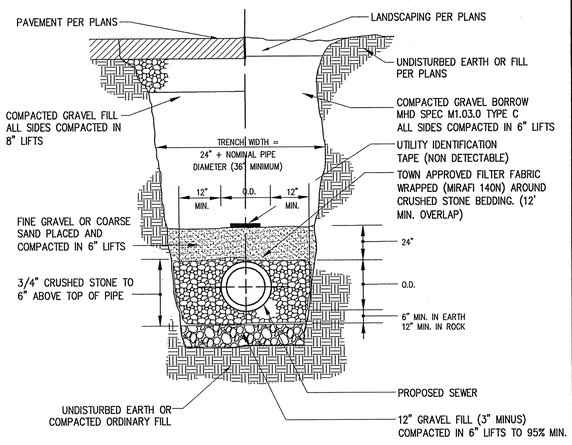
TYPICAL RETAINING GLAND INSTALLATION



NOTES:
1. TUBING, CORPORATION STOP & CURB STOP SHALL BE PER TOWN SPECIFICATIONS
2. BACKFILL TUBING WITH 8" SAND, TOP, BOTTOM AND SIDES.
3. SEE CITY SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

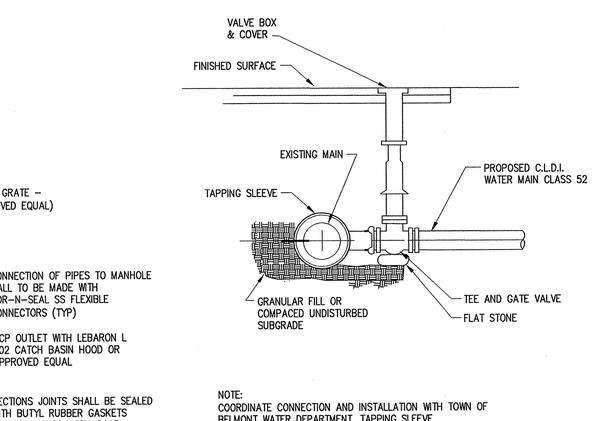
2" WATER SERVICE

N.T.S.



SEWER TRENCH

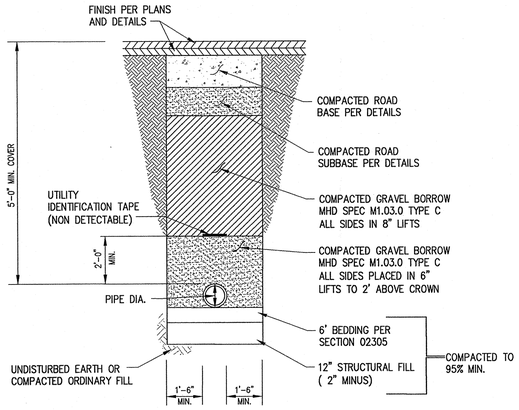
N.T.S.



NOTE:
COORDINATE CONNECTION AND INSTALLATION WITH TOWN OF BELMONT WATER DEPARTMENT. TAPPING SLEEVE AND GATE VALVE SHALL BE PER TOWN SPECIFICATIONS.

TYPICAL WATER MAIN CONNECTION

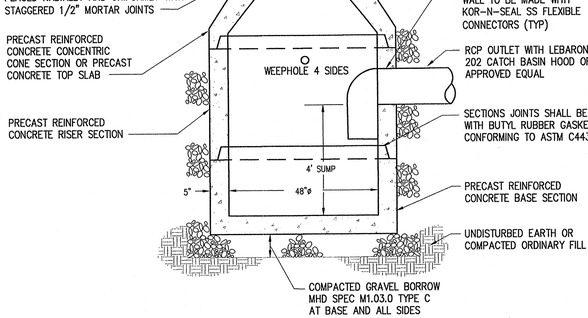
N.T.S.



ALL PIPE CONNECTIONS AT FITTINGS AND HORIZONTAL AND VERTICAL BENDS SHALL BE MECHANICAL RESTRAINED JOINTS

TYPICAL WATER MAIN TRENCH

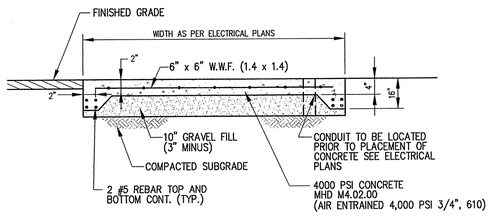
N.T.S.



ALL PRECAST TO MEET OR EXCEED H-20 LOADING

PRECAST CONCRETE CATCH BASIN

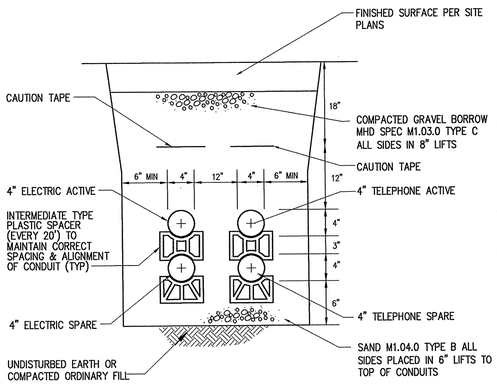
N.T.S.



NOTE:
CONTROL JOINTS ARE TO BE AT 5' INTERVALS

TRANSFORMER PAD

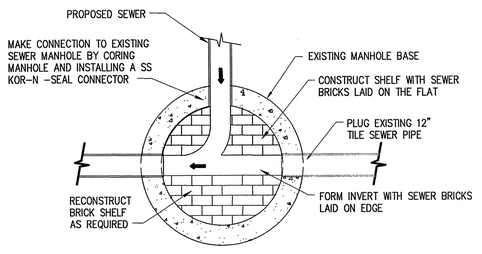
N.T.S.



NOTES:
1. ALL ELECTRIC WORK AND MATERIALS TO MEET THE STANDARDS AND SPECIFICATIONS OF NSTAR ELECTRIC.
2. ALL TELEPHONE WORK AND MATERIALS TO MEET THE STANDARDS AND SPECIFICATIONS OF VERIZON.
3. ALL EARTHWORK AND FINISH SHALL CONFORM TO THE PROJECT PLANS AND SPECIFICATIONS.

4 CONDUIT ELECTRIC/TELEPHONE

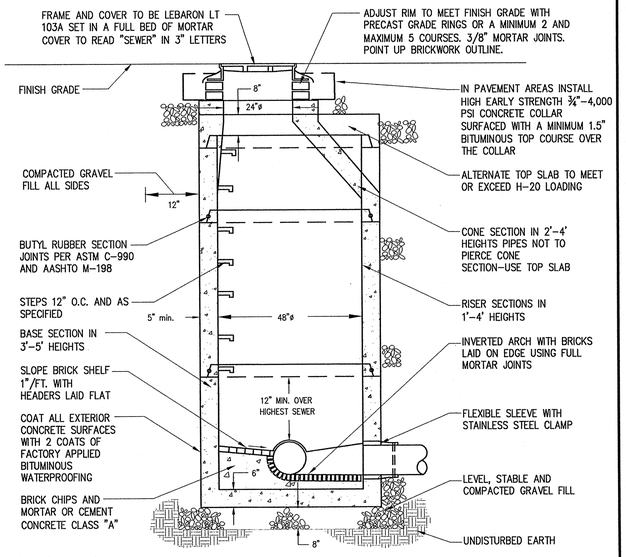
N.T.S.



NOTE:
CONTRACTOR TO VERIFY STRUCTURAL INTEGRITY OF THE EXISTING SEWER MANHOLE. THE CONTRACTOR SHALL CARRY A LUMP SUM ALTERNATE FOR RECONSTRUCTION OF THE MANHOLE IF CONDITIONS DICTATE

SEWER CONNECTION

N.T.S.



NOTES:
1. EXCAVATION TO ALLOW FOR FREE TRAVEL OF COMPACTION EQUIPMENT.
2. ALL COMPACTION TO A MINIMUM 95 PERCENT DRY DENSITY DETERMINED BY ASTM D1557.
3. ALL PRECAST TO MEET OR EXCEED ASTM C-478 AND AASHTO M 199 SPECIFICATIONS.
4. REINFORCED STEEL TO MEET OR EXCEED ASTM A185 AND H-20 LOADING REQUIREMENTS.
5. ALL PRECAST CONCRETE TO BE 4,000 PSI MINIMUM AND MEET ASTM C-478 (6.1).
6. FILL ALL INTERNAL AND EXTERNAL HOLES WITH NON-SHRINK GROUT.

TYPICAL PRECAST SEWER MANHOLE

N.T.S.

NOT FOR CONSTRUCTION

THESE PLANS WERE PREPARED FOR THE PURPOSE OF OBTAINING STATE AND LOCAL APPROVALS AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION DOCUMENTS.

No.	Date	Description

Revisions

Drawn By	Designed By	Checked By	Approved By
CDH	CDH	DMA	

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