

BWSC & CONTRACTOR NOTES:

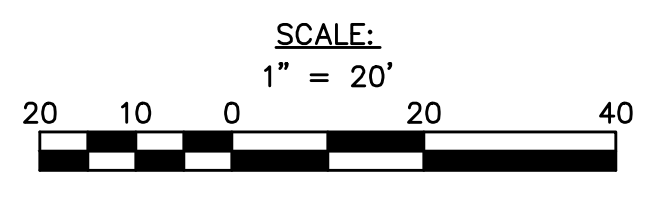
- 1. DYE TESTING SHALL BE PERFORMED ON NEW STORM DRAIN AND SANITARY SEWER CONNECTIONS AFTER INSTALLATION IS COMPLETE. DYE TESTS SHALL BE WITNESSED BY THE BWSC.
2. A PREREQUISITE FOR FILING A GENERAL SERVICE APPLICATION WITH THE BWSC FOR NEW CONSTRUCTION IS THE ROUGH CONSTRUCTION SIGN-OFF DOCUMENT FROM THE CITY OF BOSTON'S INSPECTIONAL SERVICES DEPARTMENT.
3. IN ADDITION TO THE INSPECTION FEES, A DEPOSIT BASED ON THE SIZE OF THE WATER SERVICE, FIRE PIPE, SEWER OR DRAIN CONNECTION MUST ACCOMPANY THE GSA SUBMISSION, UPON RECEIPT OF THE APPROPRIATE DEPOSIT, THE COMMISSION WILL ESTABLISH A WATER AND SEWER ACCOUNT AND ASSIGN AN ACCOUNT NUMBER TO THE PROPERTY. THE TOTAL AMOUNT OF A DEPOSIT FOR A GSA SHALL NOT EXCEED TEN THOUSAND DOLLARS (\$10,000.00).
4. AN AS-BUILT PLAN (AUTOCAD 2012 OR EARLIER RELEASE) SHALL BE PROVIDED BY THE CONTRACTOR AND ENDORSED BY A CIVIL ENGINEER OR PROFESSIONAL LAND SURVEYOR SHOWING THE LOCATION, DEPTH, AND INVERT OF EVERY BEND, FITTING, VALVE, CLEANOUT AND ANCHOR. THE AS-BUILT DRAWING SHALL BE SUBMITTED TO THE BOSTON AND WATER SEWER COMMISSION FOR REVIEW AND APPROVAL.
5. WATER SHUT DOWN SHALL BE COORDINATED WITH BWSC WATER OPERATIONS, (617) 989-7276, 24 HOURS NOTICE REQUIRED.
6. PROVIDE "DON'T DUMP" PLAQUES AT ALL CATCH BASIN AND DRAIN INLET LOCATIONS. "DON'T DUMP" PLAQUES TO BE PURCHASED FROM BWSC.
7. THE CONTRACTOR SHALL PURCHASE THE NEW HYDRANT(S) FROM THE BWSC. THE CONTRACTOR SHALL PURCHASE THE HYDRANT(S) FROM THE COMMISSION WHEN FILING THE GENERAL SERVICE APPLICATION.
8. EXISTING WATER METER(S) TO BE REMOVED OR REPLACED SHALL BE RETURNED TO BWSC.
9. EXISTING HYDRANTS TO BE REMOVED OR REPLACED SHALL BE RETURNED TO BWSC.
10. THE CONTRACTOR SHALL VIDEO INSPECT THE EXISTING 15" BWSC SEWER MAIN IN BLACKSTONE STREET IN BLACKSTONE STREET PRIOR TO CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE AND SUBMIT TO BWSC AND NITSCHE ENGINEERING FOR REVIEW. THE INSPECTION SOFTWARE SHALL BE CAPABLE OF EXPORTING DIGITAL INSPECTION LOG DATA INTO AN MSACCESS DATABASE IN THE PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) STANDARD EXCHANGE FORMAT. THE INSPECTION SOFTWARE CODING SYSTEM SHALL BE PACP CERTIFIED (LATEST EDITION) AS PER THE NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES (NASSCO). THE SOFTWARE SHALL BE EQUIPPED WITH ALL MODULES NECESSARY FOR PACP INSPECTIONS AND SCORING. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH BWSC TO DETERMINE AN APPROVED VIDEO INSPECTION COMPANY AND DELIVERABLE.

BWSC INSPECTION SIGNOFF

Table with columns: Inspector, Date, Comment, Dye Test. Rows include items like 'CONNECT TO EX. BWSC DRAIN MANHOLE', 'NEW CB W/ "DON'T DUMP" PLAQUE', 'NEW HYDRANT', etc.

NOTES:

- 1. REFER TO SHEET C4.00 FOR NOTES, LEGEND, & ABBREVIATIONS.
2. DRAIN PIPE ARE 12" PVC UNLESS NOTED OTHERWISE.
3. WATER PIPES ARE ZINC COATED CLASS 56 DICL.
4. WATER, SEWER, AND DRAIN SERVICES FOR THE PROPOSED BUILDING SHALL BE INSTALLED & STUBBED AT THE PROPERTY LINE FOR FUTURE CONNECTION TO THE PROPOSED BUILDING AT PARCEL 9, TO BE PERMITTED THROUGH BWSC SEPARATELY.



BWSC FILE NO. FOR BWSC USE ONLY

OWNER: HAYMARKET PARCEL 9 INVESTOR, LLC
C/O YVETTE TETREAULT DEVELOPMENT MANAGER
CV PROPERTIES
451 D STREET SUITE 100 BOSTON, MA 02210
SITE ADDRESS: BLACKSTONE STREET BOSTON, MA 02109
WARD / PARCEL NUMBER: 03/03324000
EX. ACCOUNT & METER NUMBER: NONE
NEW ACCOUNT & METER NUMBER: N/A
LAND USE: PUBLIC ROADWAY

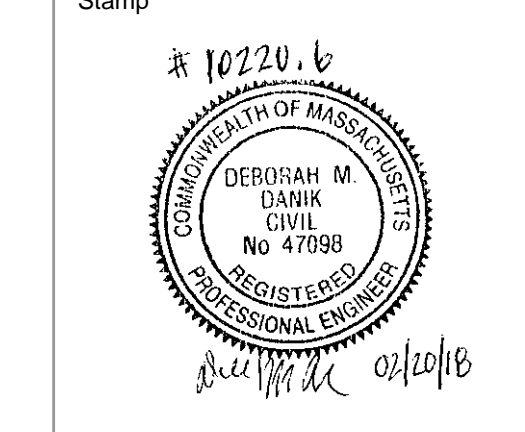
SCHEMATIC DESIGN

Revision table with columns: No, Description, Date. Includes entries for 'SCHEMATIC DESIGN' and 'NON-BWSC SUBMISSION'.

Drawn By: RMG
Checked By: DMD
Project No: 1213 Nitsch #10220.6
Drawing Title: BLACKSTONE STREET UTILITY PLAN

BLACKSTONE STREET UTILITY PLAN

Drawing Scale: 1" = 20'



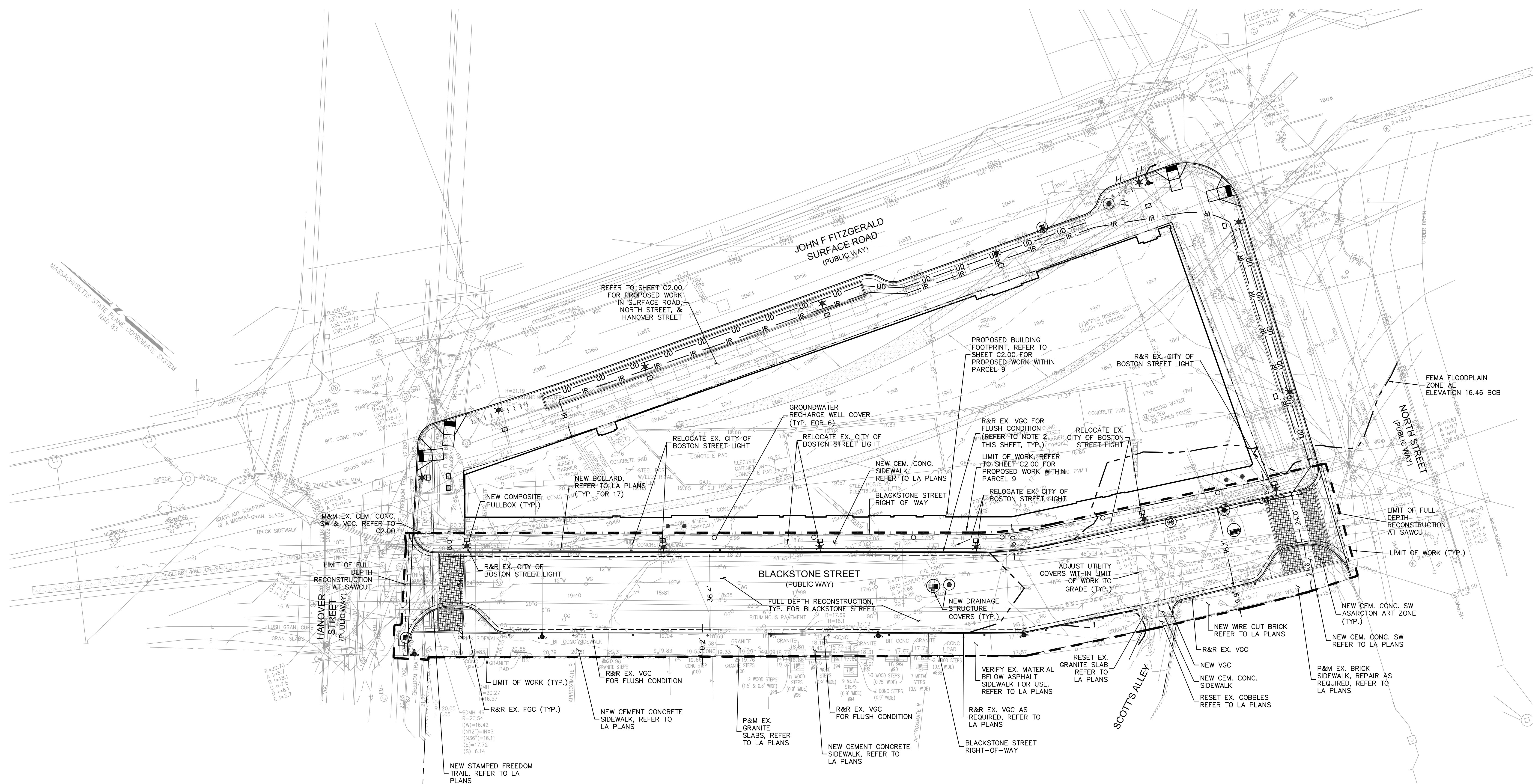
C1.01

Drawing Number









SCHEMATIC DESIGN

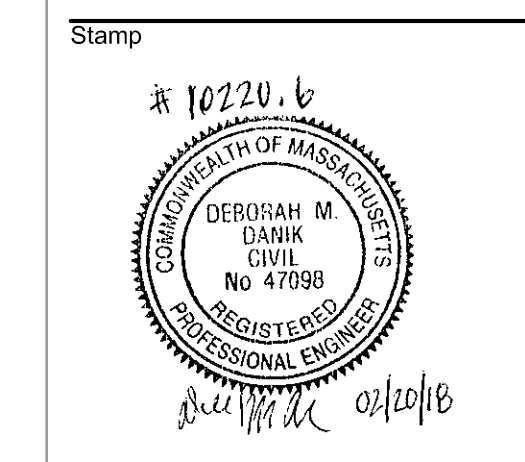
Insurance

No	Description	Date
A	SCHEMATIC DESIGN	01.04.2018
	NOI/WSG SUBMISSION	02.21.2018

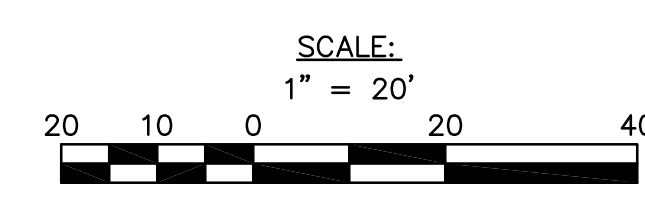
Drawn By: RMG  
 Checked By: DMD  
 Project No: 1213  
 Nitsch #10220.6

BLACKSTONE STREET LAYOUT PLAN

Drawing Scale: 1" = 20'



- NOTES:
- REFER TO SHEET C2.00 FOR SITE LAYOUT PLAN.
  - REFER TO SHEET C4.00 FOR NOTES, LEGEND, & ABBREVIATIONS.
  - ASSUME 80% OF THE 860'-LF EXISTING GRANITE CURB MAY BE REUSED. ASSUME APPROXIMATELY 430'-LF OF NEW GRANITE CURB.
  - ADJUST EX. UTILITY STRUCTURE COVERS TO GRADE.



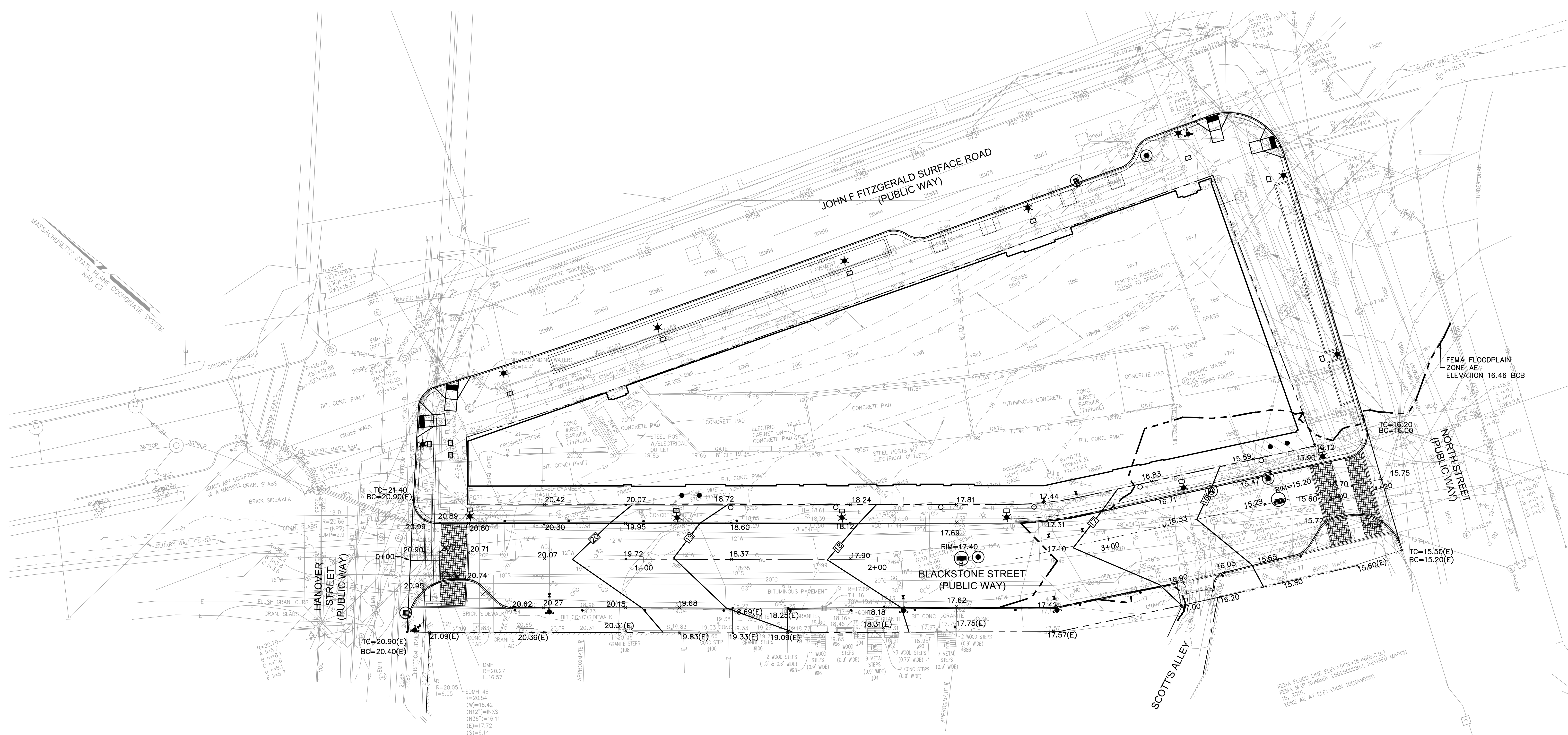
C2.01

Drawing Number









SCHEMATIC DESIGN

Issuance

No	Description	Date
A	SCHEMATIC DESIGN	01.04.2018
	NOI/BWSC SUBMISSION	02.21.2018

Drawn By: RMG

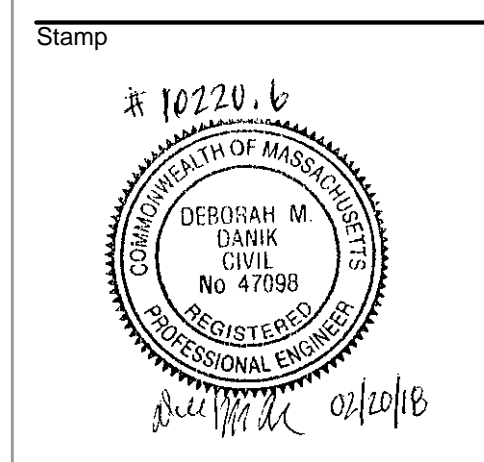
Checked By: DMD

Project No: 1213  
Nitsch #10220.6

Drawing Title:

BLACKSTONE STREET  
GRADING PLAN

Drawing Scale:  
1" = 20'

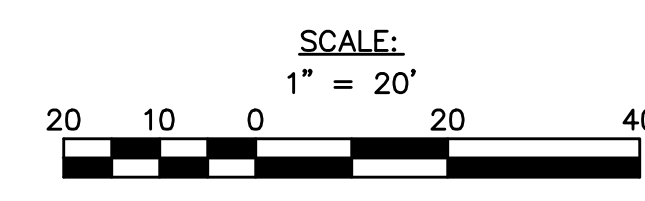


C3.01

Drawing Number

NOTES:

- REFER TO SHEET C3.00 FOR SITE GRADING PLAN.
- REFER TO SHEET C4.00 FOR NOTES, LEGEND, & ABBREVIATIONS.



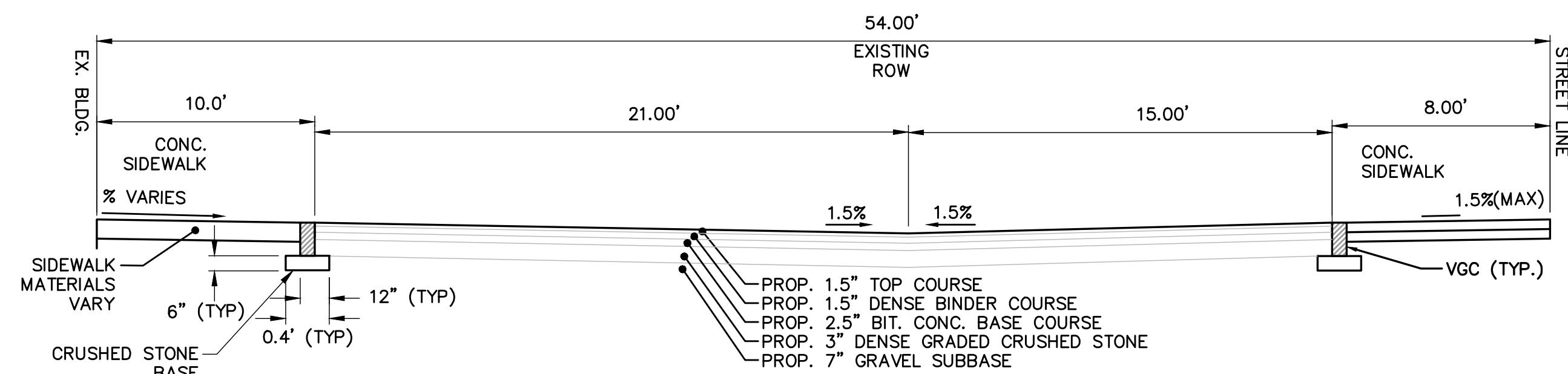




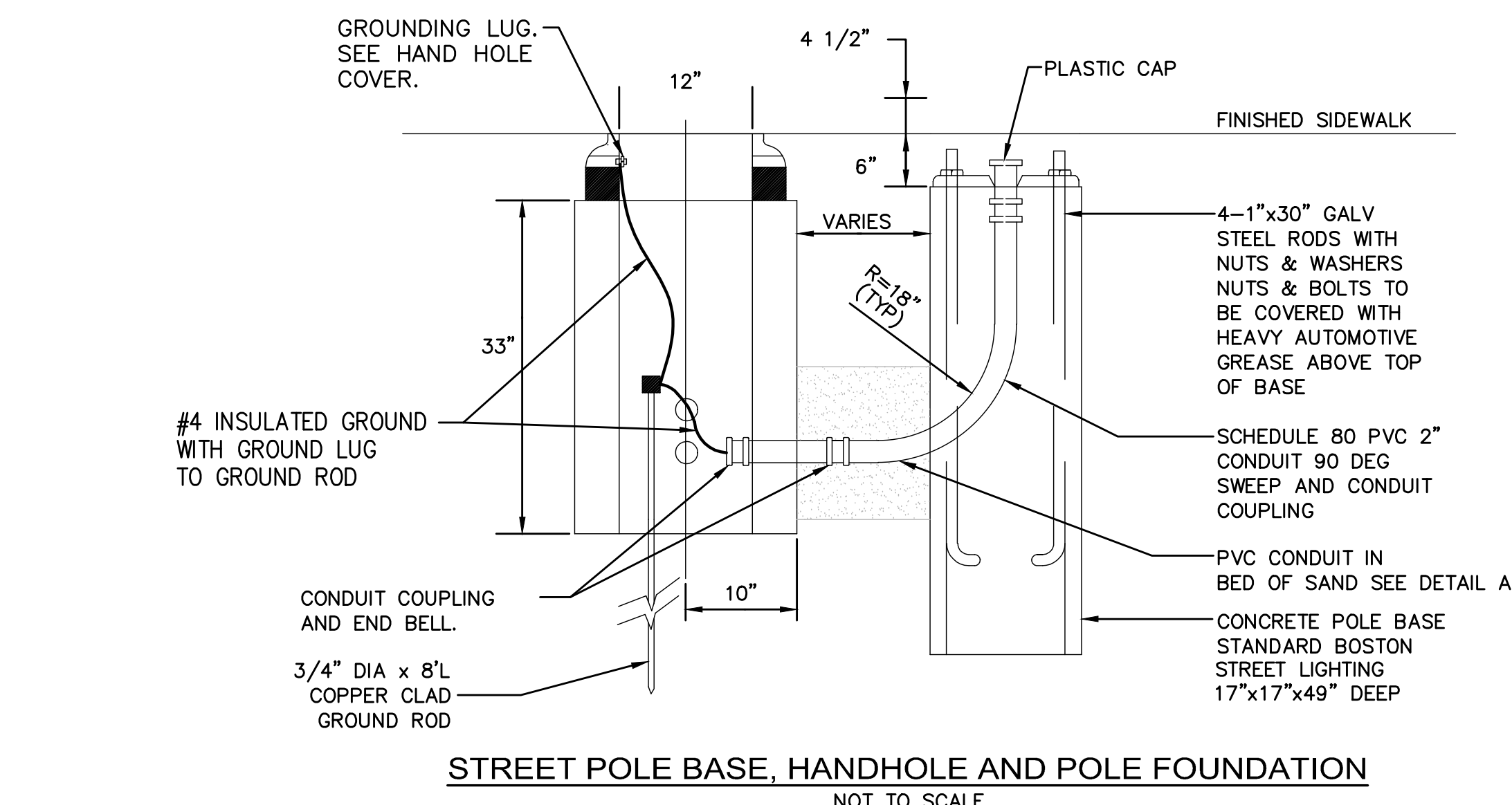




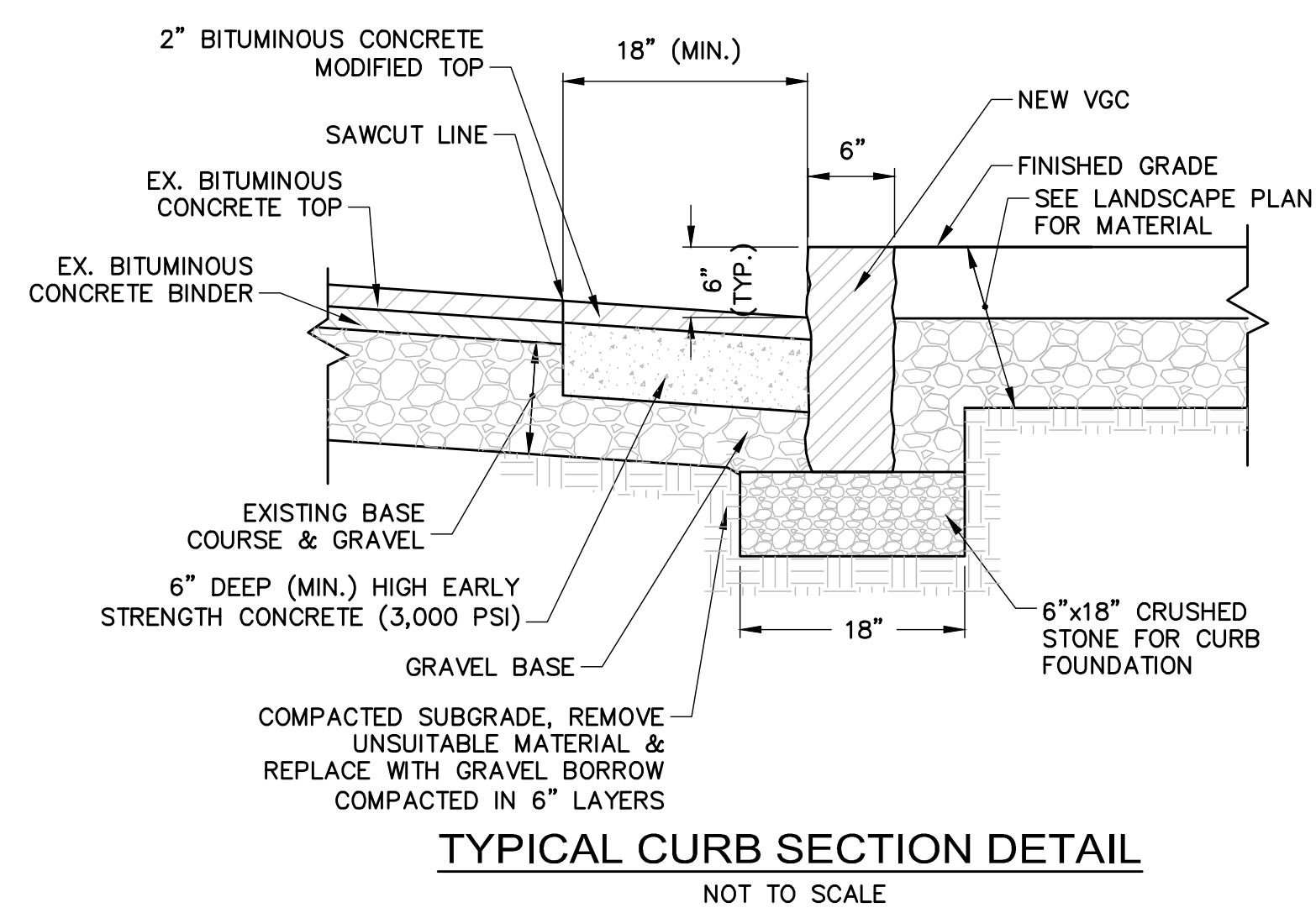




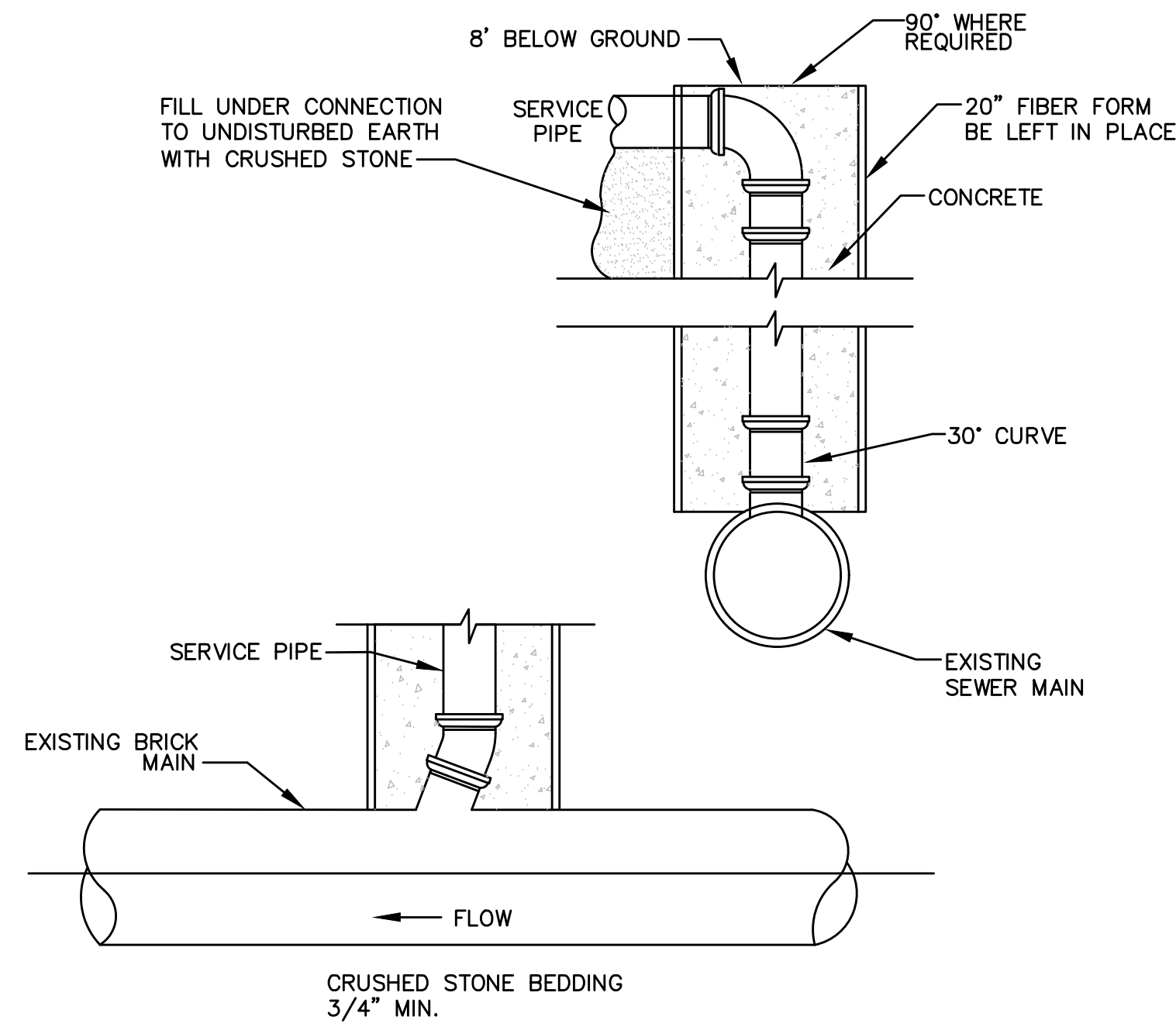
**36-FT. WIDE FULL DEPTH RECONSTRUCTION BLACKSTONE STREET**  
SCALE: N.T.S.



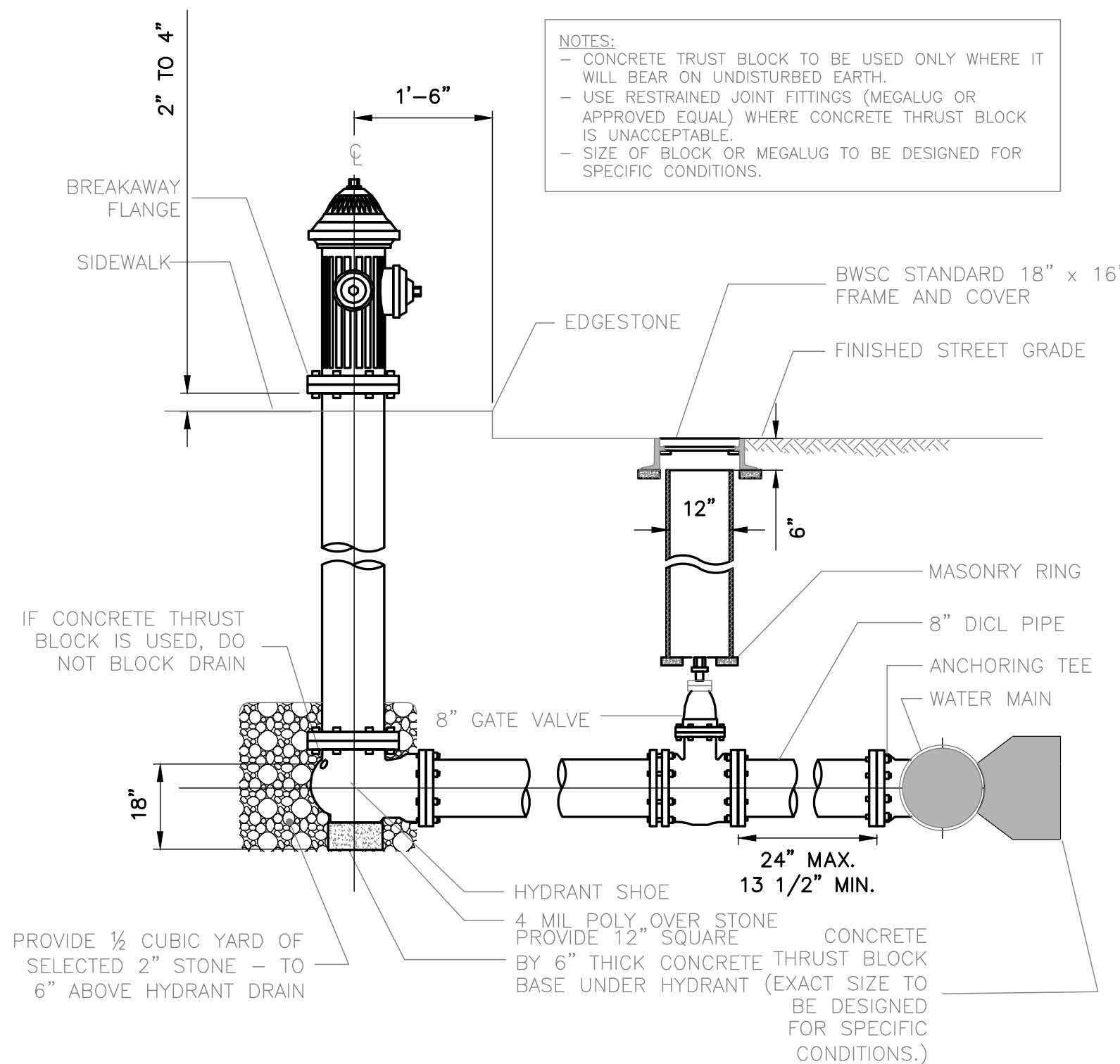
**STREET POLE BASE, HANDHOLE AND POLE FOUNDATION**  
NOT TO SCALE



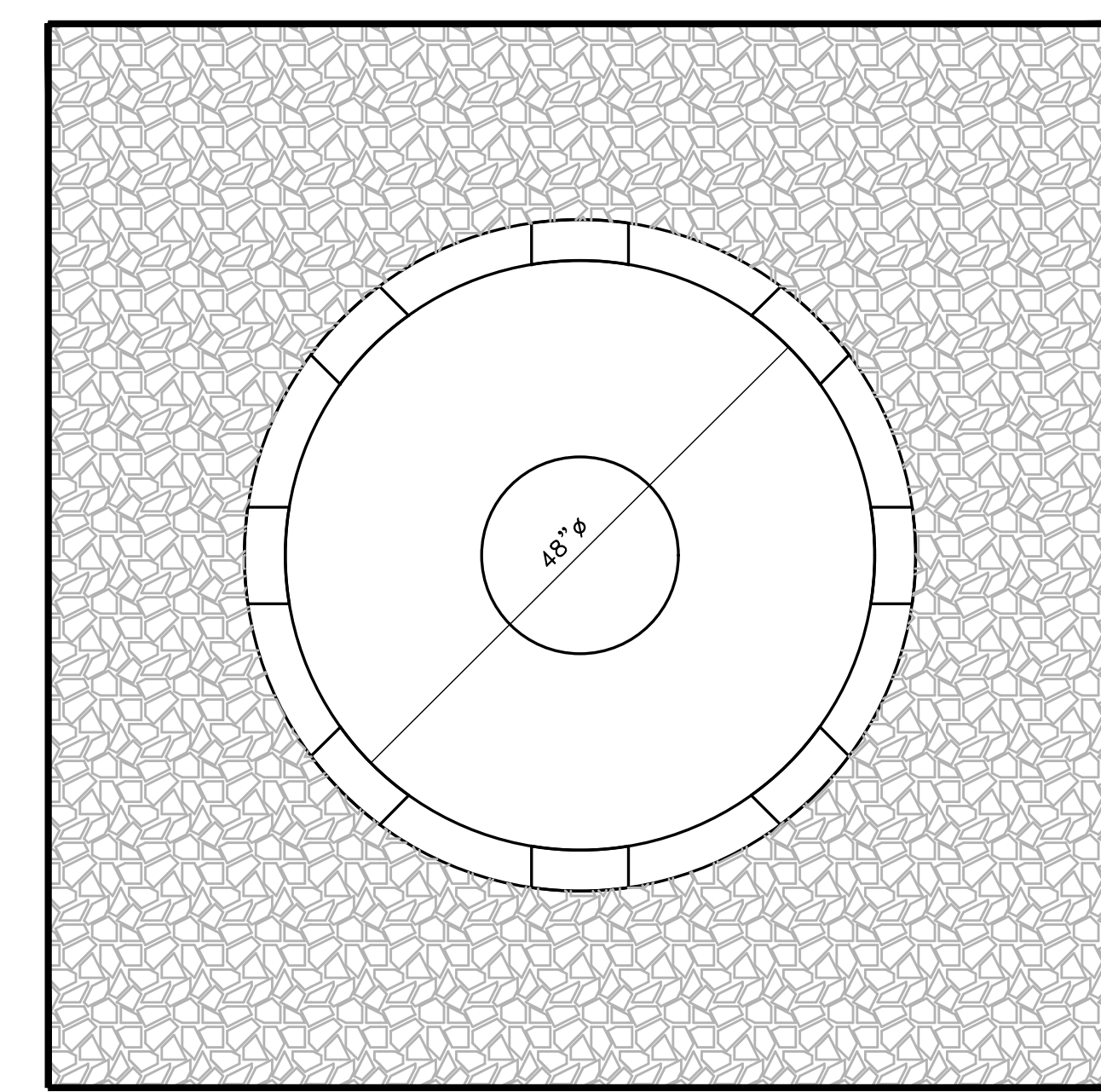
**TYPICAL CURB SECTION DETAIL**  
NOT TO SCALE



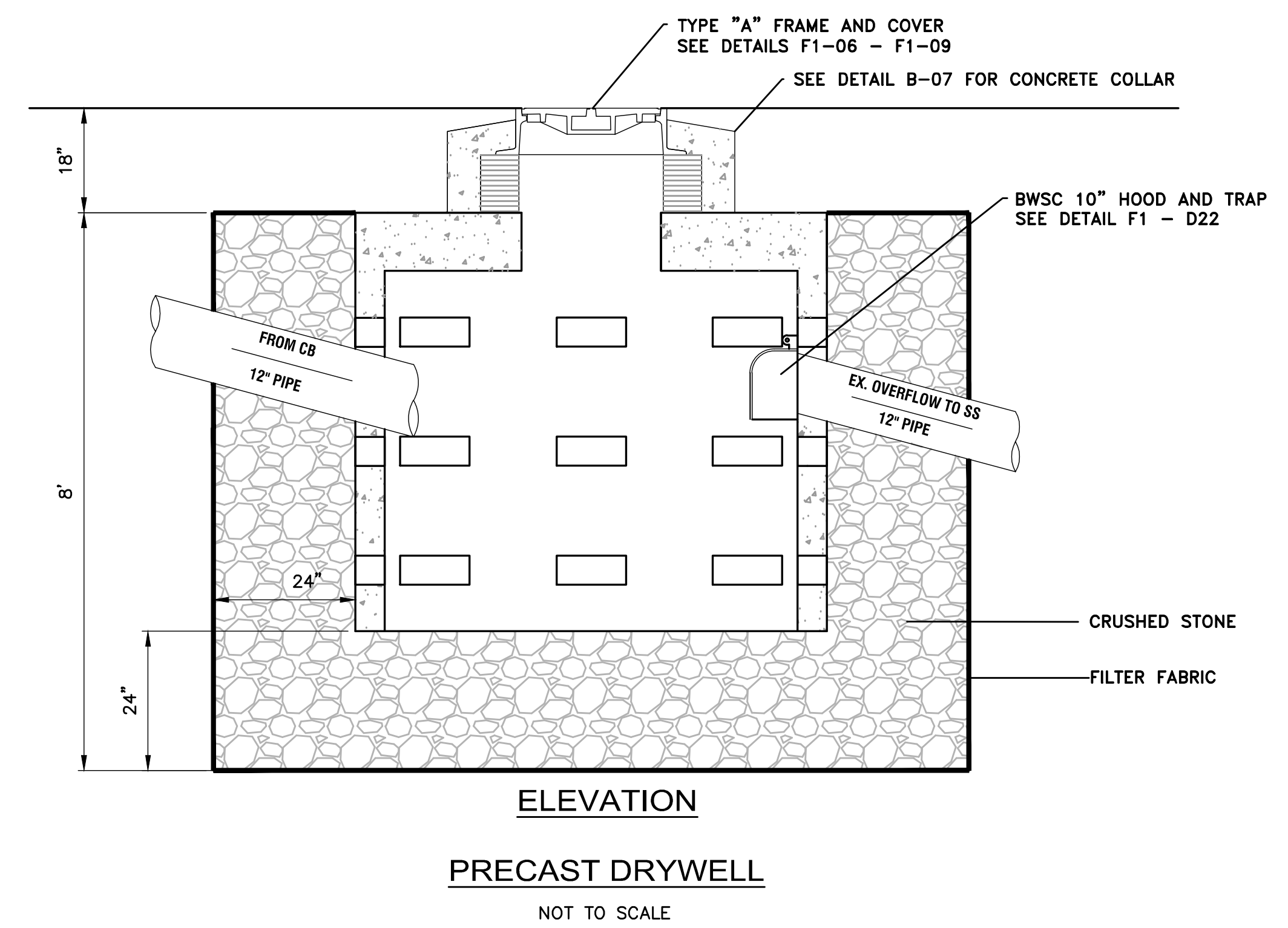
**TYPICAL CHIMNEY DETAIL**  
NOT TO SCALE



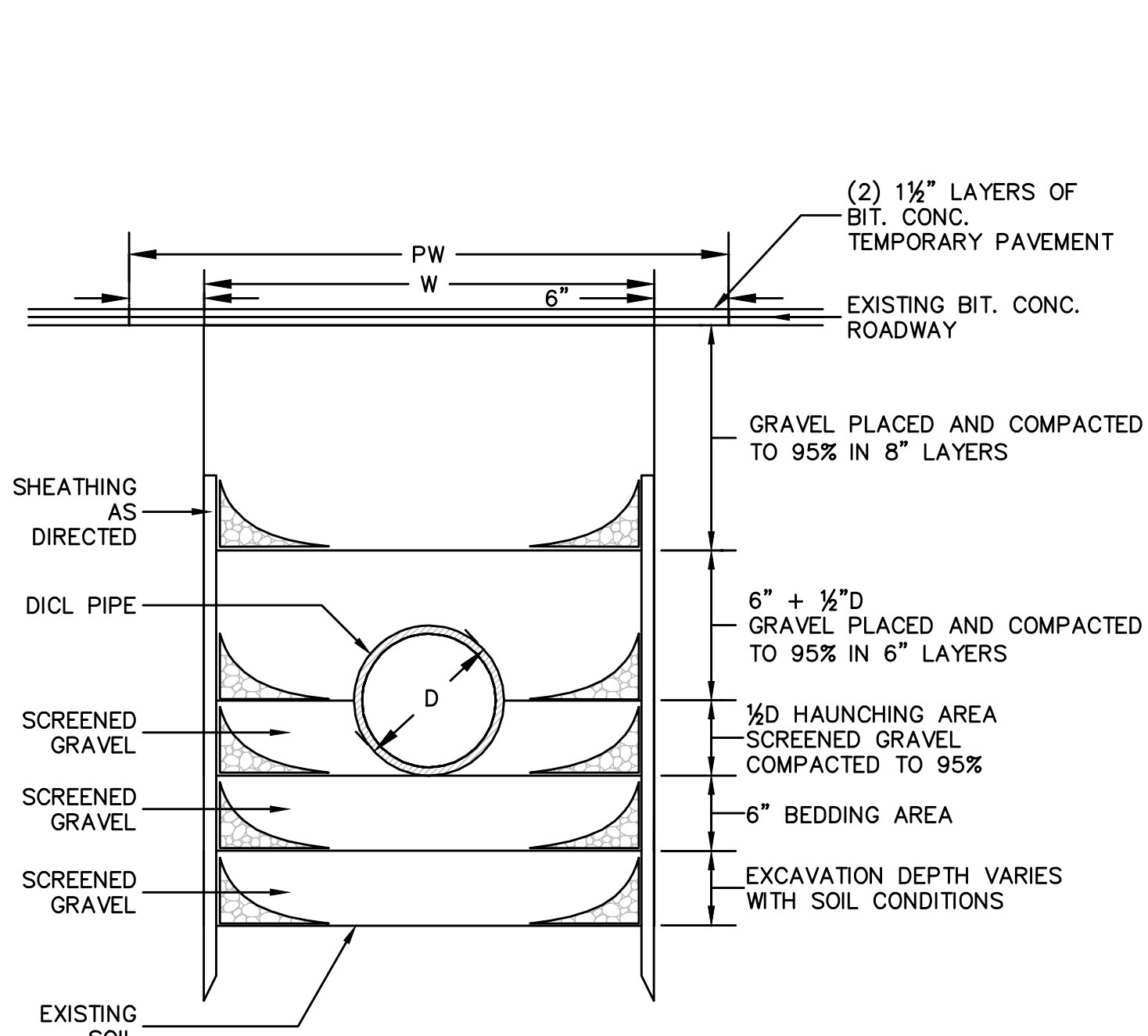
**BWSC STANDARD HYDRANT**  
NOT TO SCALE



**PLAN**

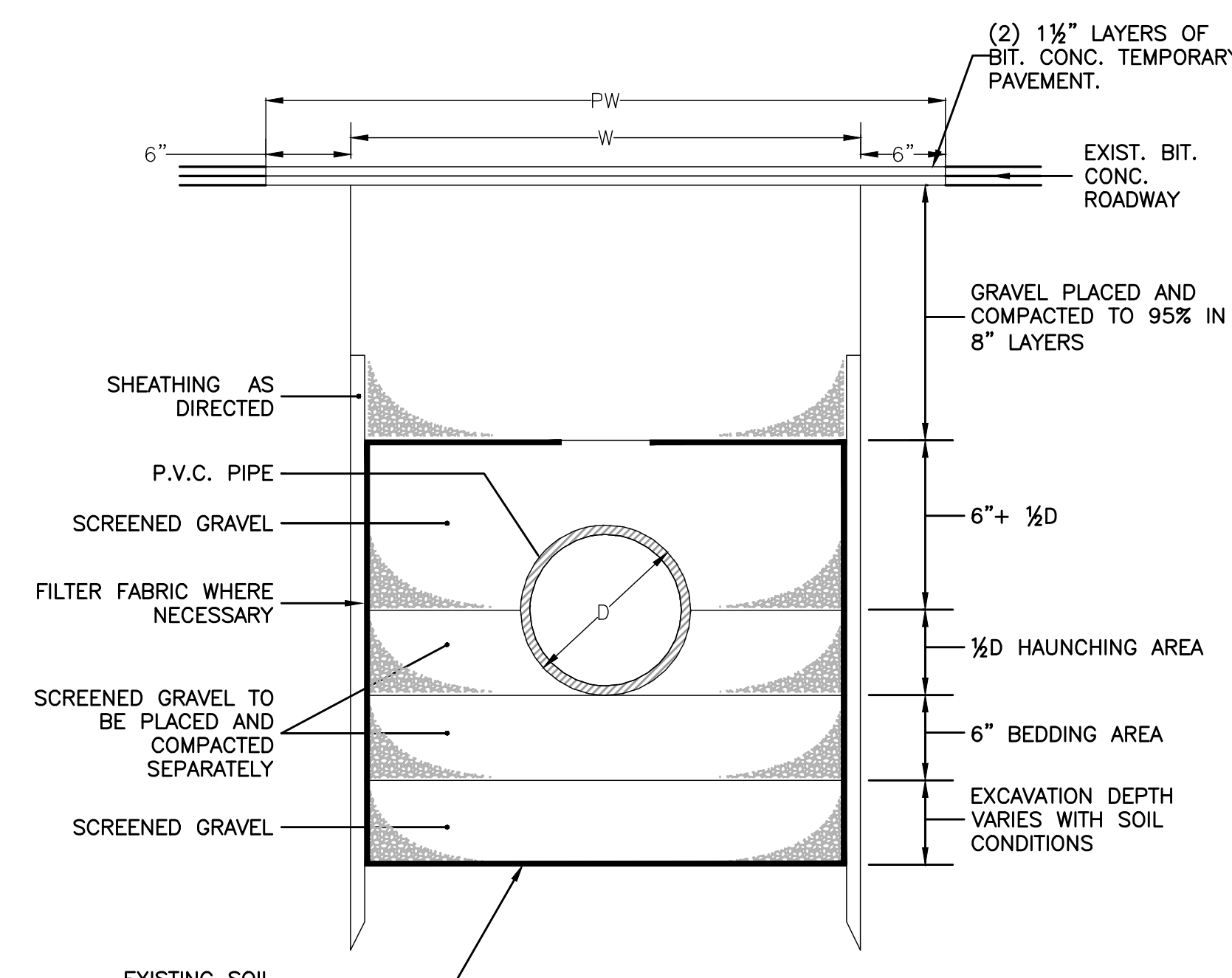


**ELEVATION**  
**PRECAST DRYWELL**  
NOT TO SCALE



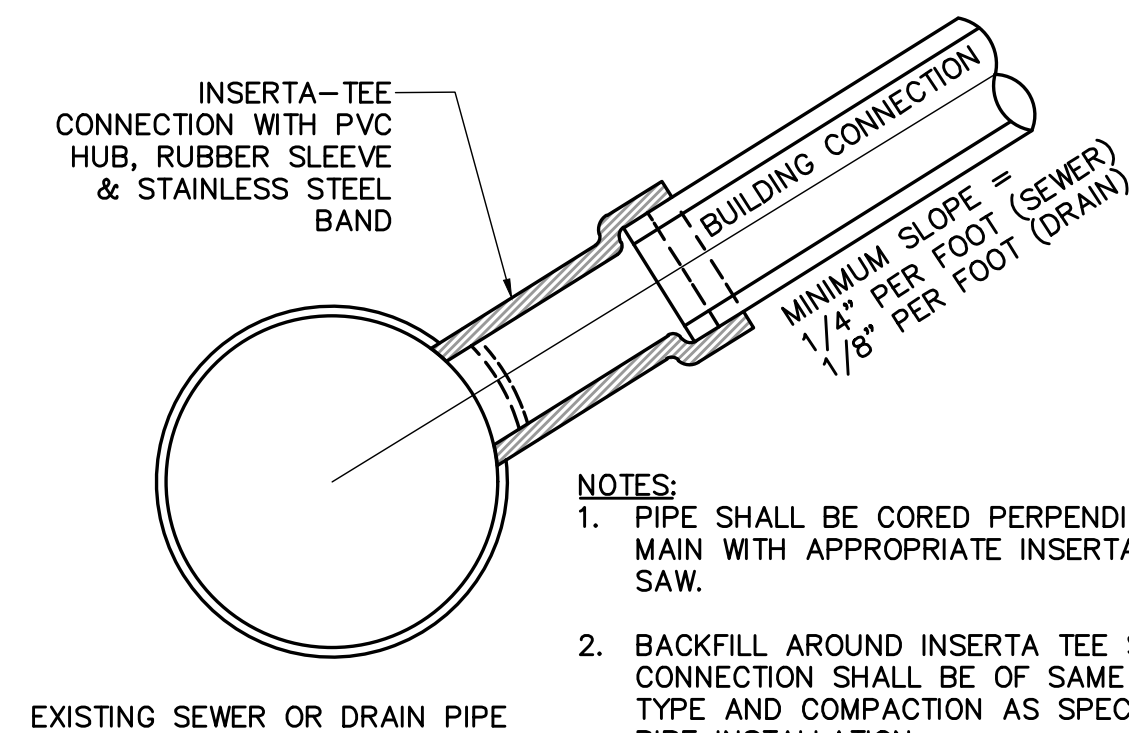
W = MAXIMUM TRENCH WIDTH  
PW = MAXIMUM PAVING WIDTH = W+1'-0"  
D = OUTSIDE DIAMETER  
UNSHEATHED TRENCH: W = D+2'(3'-0" MIN.)  
SHEATHED TRENCH: W = D+2'+SHEATHING WIDTH:  
4'-2" MIN. W/O WALERS  
5'-0" MIN. W/WALERS  
TRENCH BOX OR HYDRAULIC SHORING:  
W = D+2' + [WALL SHIELD WIDTH ± 8"] + 1' FOR TRENCH BOX

**TRENCH DETAIL FOR DICT PIPE**  
NOT TO SCALE



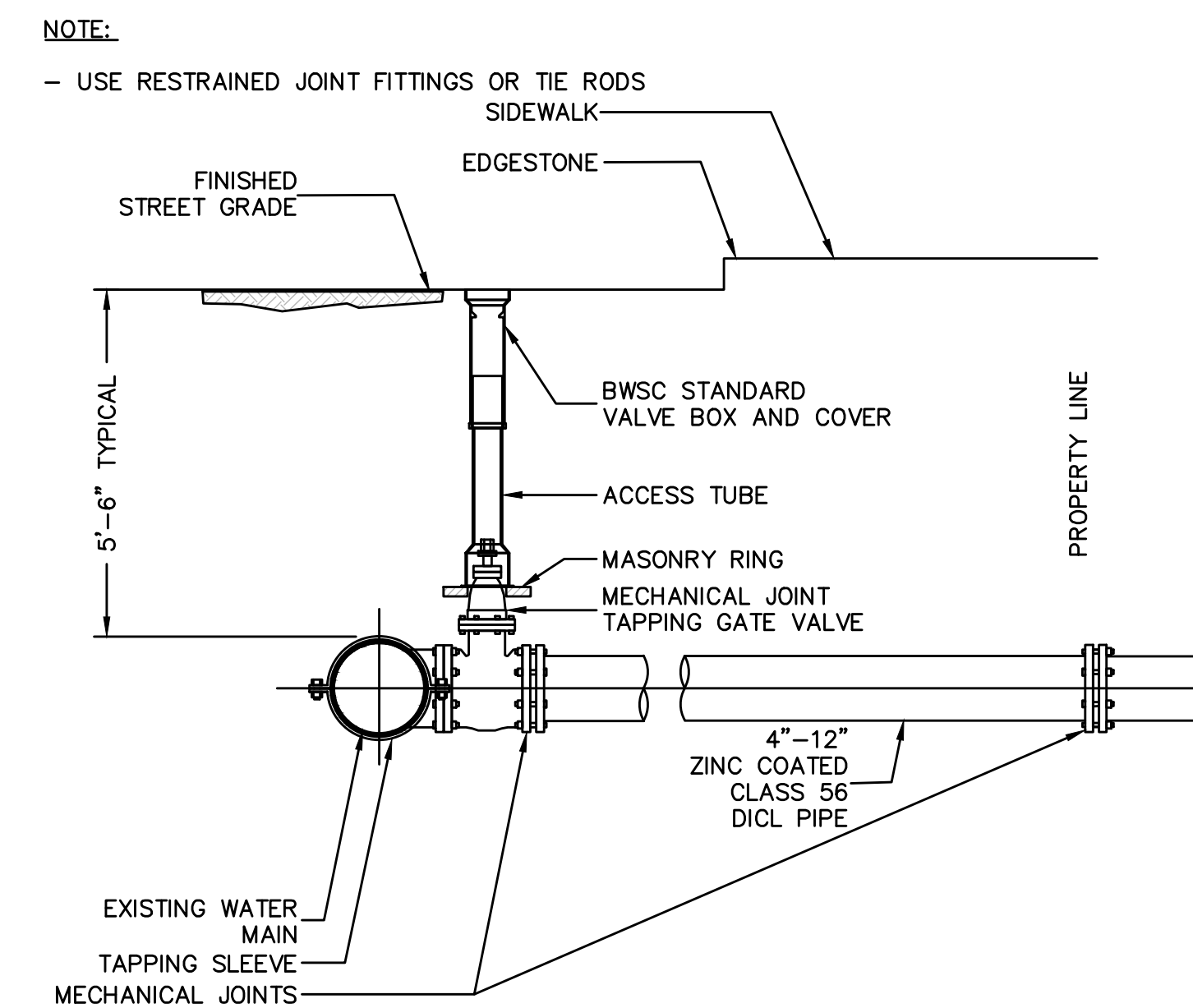
W = MAXIMUM TRENCH WIDTH  
PW = MAXIMUM PAVING WIDTH = W+1'-0"  
D = OUTSIDE DIAMETER  
UNSHEATHED TRENCH: W = D+2'(3'-0" MIN.)  
SHEATHED TRENCH: W = D+2'+ SHEATHING WIDTH:  
4'-0" MIN. W/O WALERS  
5'-0" MIN. W/WALERS  
TRENCH BOX OR HYDRAULIC SHORING:  
W = D+2' + [WALL SHIELD WIDTH ± 8"] + 1' FOR TRENCH BOX

**TRENCH DETAIL FOR PVC PIPE**  
NOT TO SCALE



**NOTES:**  
1. PIPE SHALL BE CORED PERPENDICULAR TO MAIN WITH APPROPRIATE INSERTA TEE HOLE SAW.  
2. BACKFILL AROUND INSERTA TEE SERVICE CONNECTION SHALL BE OF SAME MATERIAL TYPE AND COMPACTION AS SPECIFIED FOR PIPE INSTALLATION.  
3. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENTS.

**INSERTA TEE CONNECTION DETAIL TO EXISTING DRAIN OR SEWER**  
NOT TO SCALE



**TYPICAL WATER PIPE CONNECTION WITH TAPPING SLEEVE AND GATE VALVE**  
NOT TO SCALE

Project

canopy  
BY HILTON

PARCEL 9

BOSTON, MA

Group One  
PARTNERS  
21 W 3rd St. Boston, MA 02127

Nitsch Engineering

www.nitscheng.com  
2 Center Plaza, Suite 430  
Boston, MA 02108  
T: (617) 338-0063  
F: (617) 338-6472

SCHEMATIC DESIGN  
Issuance

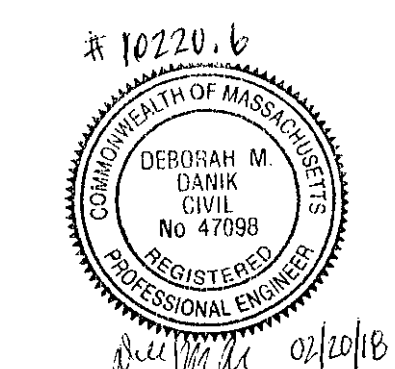
No.	Description	Date
A	SCHEMATIC DESIGN	01.04.2018
	NOI/BWSC SUBMISSION	02.21.2018

Drawn By: AIV  
Checked By: RMG  
Project No: 1213  
Nitsch #10220.6  
Drawing Title:

BLACKSTONE STREET  
DETAILS 2

AS SHOWN

Stamp



C4.02

Drawing Number



