

BY HILTON

PARCEL 9

BOSTON, MA





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

SCHEMATIC DESIGN

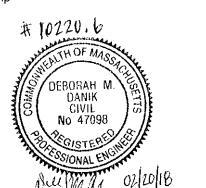
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No	Description	Date
Α	SCHEMATIC DESIGN	01.04.201
	NOI/BWSC SUBMISSION	02.21.201

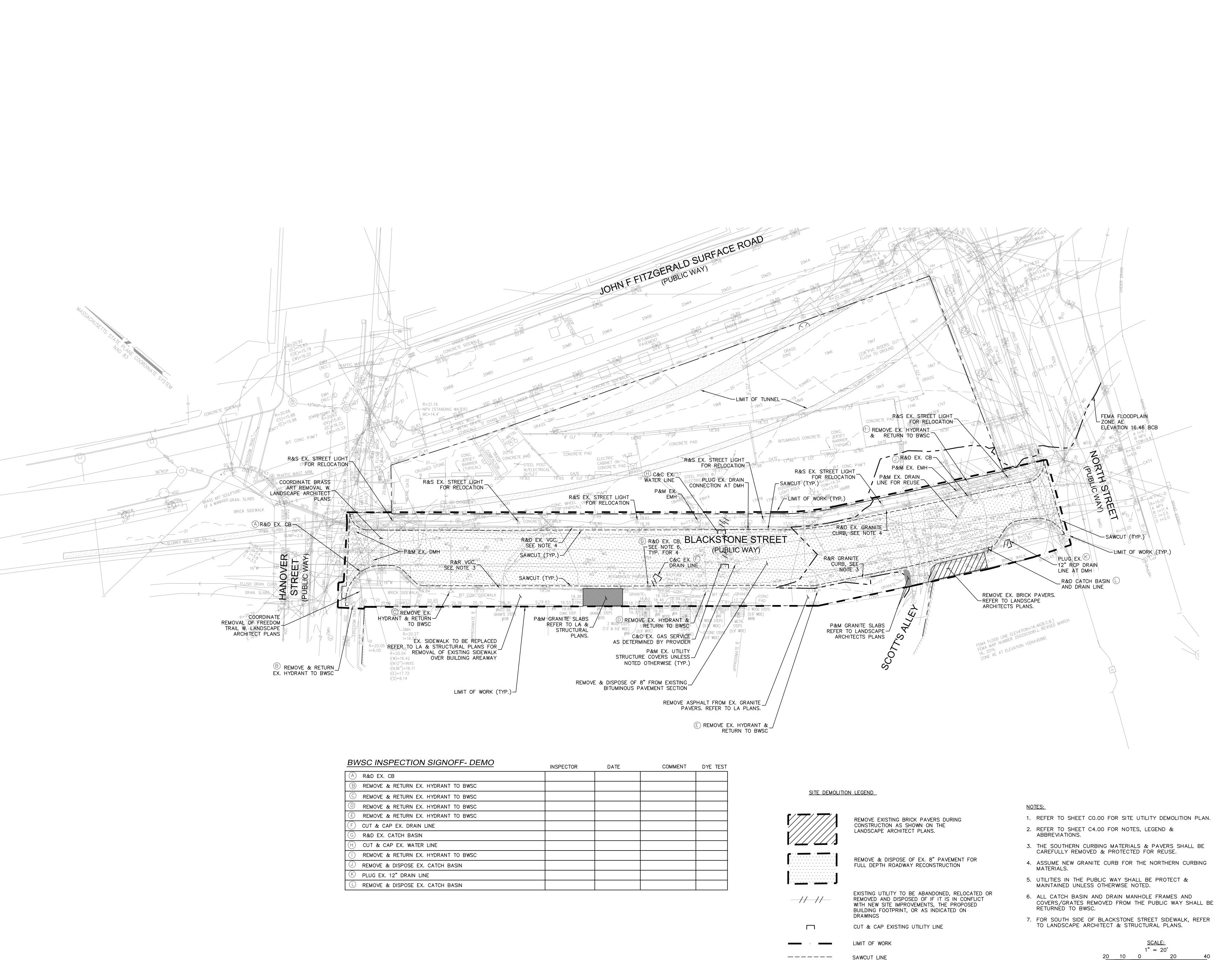
1213

Nitsch #10220.6

SITE UTILITY **DEMOLITION PLAN**

1"=20'

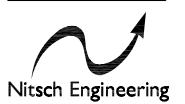




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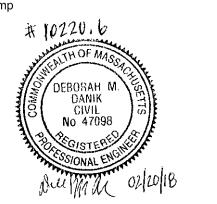
Project No: 1213

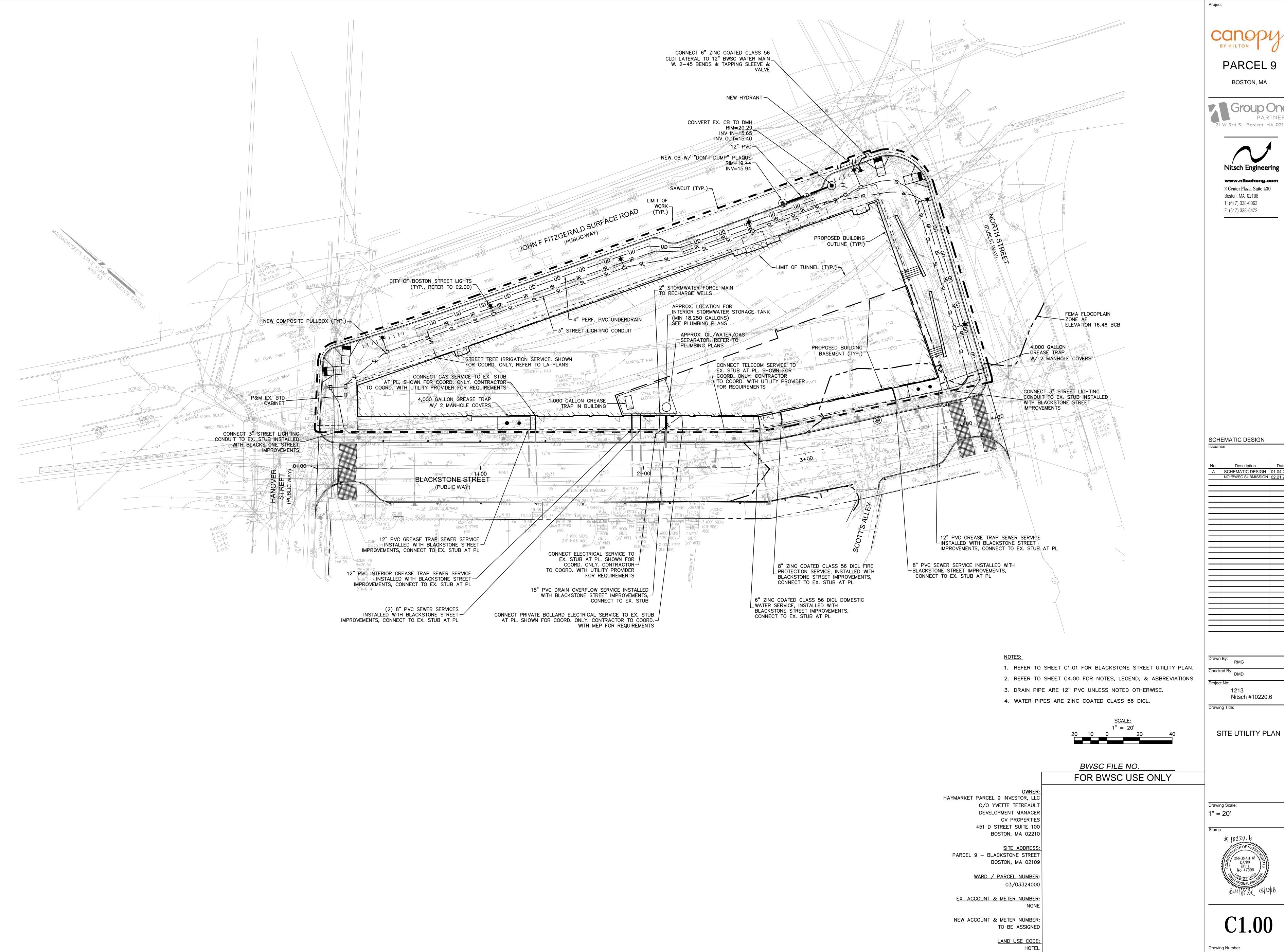
Nitsch #10220.6

BLACKSTONE STREET **DEMOLITION PLAN**

Drawing Number

1"=20'

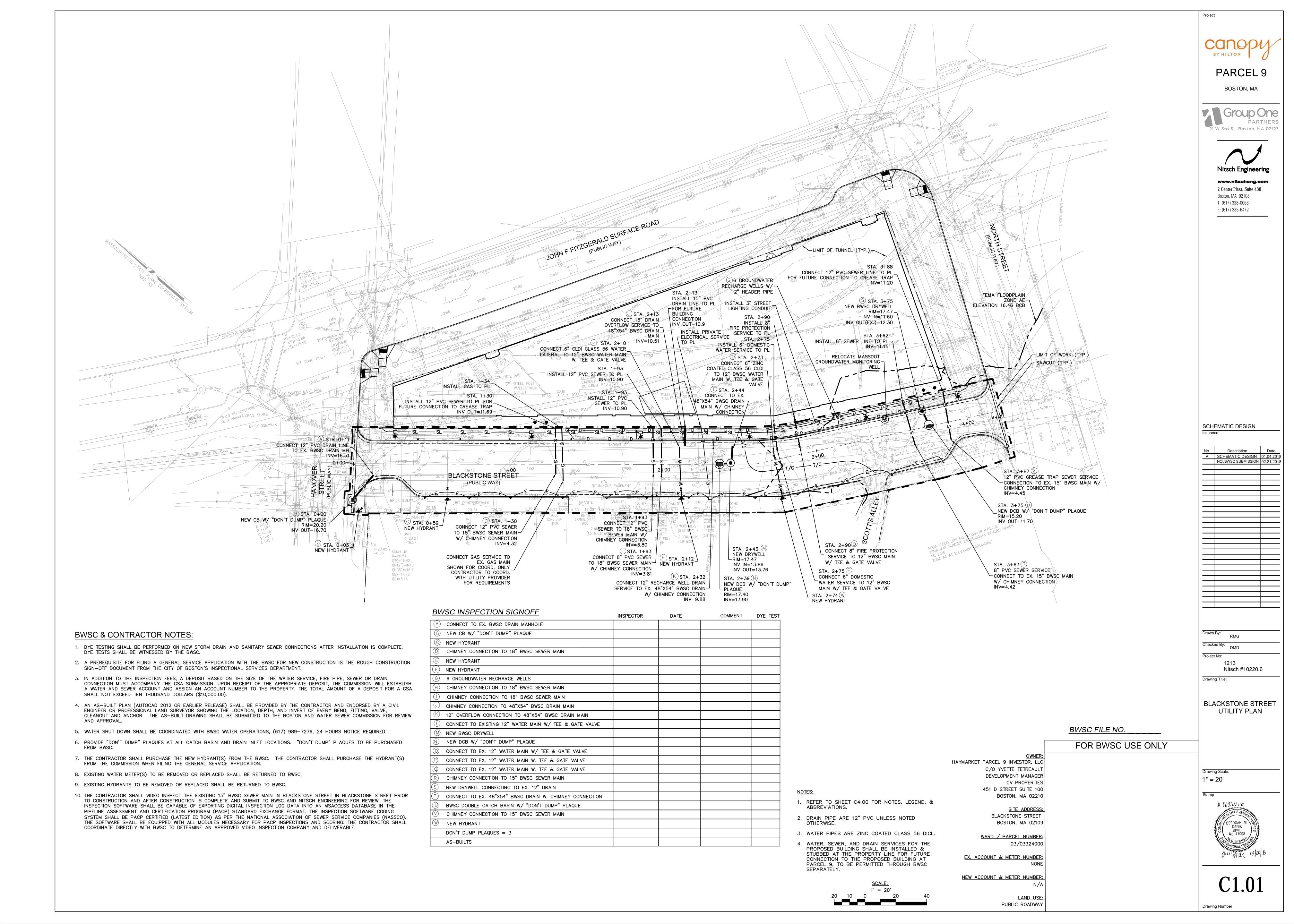






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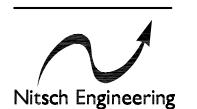
BY HILTON

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PARTNERS

21 W 3rd St Boston MA 02127

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SCHEMATIC DESIGN

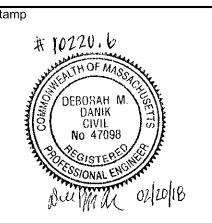
Description A SCHEMATIC DESIGN 01.04.201

Project No:

1213 Nitsch #10220.6

SITE LAYOUT PLAN

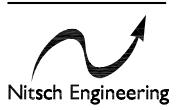
Drawing Scale: 1" = 20'



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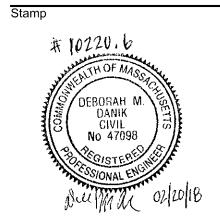
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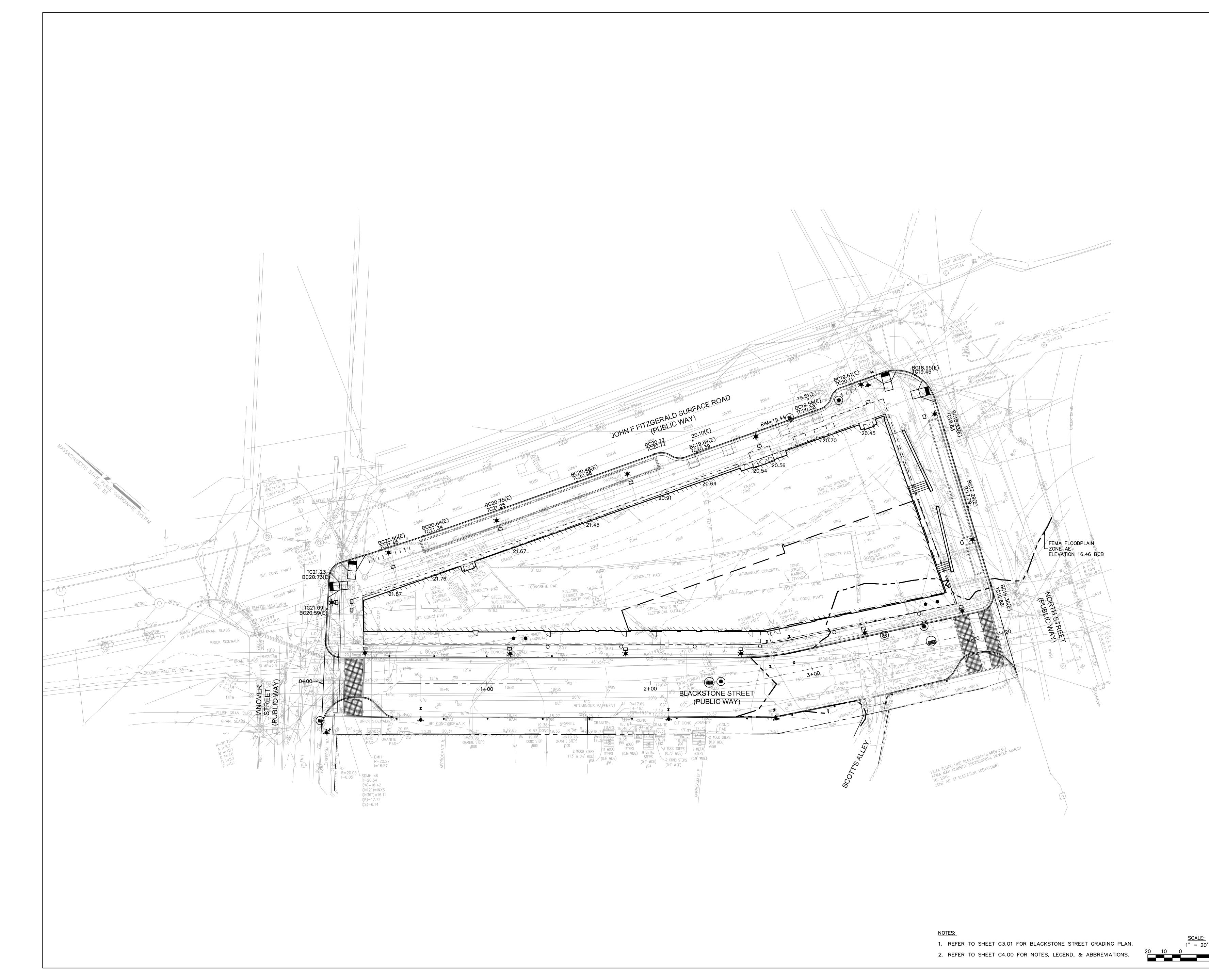
A SCHEMATIC DESIGN 01.04.201

Project No: 1213 Nitsch #10220.6

BLACKSTONE STREET LAYOUT PLAN

Drawing Scale: 1" = 20'







PARCEL 9

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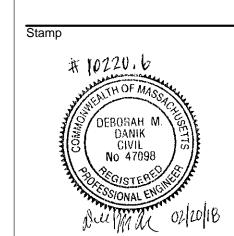
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SCHEMATIC DESIGN

1213 Nitsch #10220.6 Drawing Title:

> SITE GRADING PLAN

Drawing Scale: 1" = 20'



JOHN F FITZGERALD SURFACE ROAD

(PUBLIC WAY) FEMA FLOODPLAIN
ZONE AE
ELEVATION 16.46 BCB TC=21.40 BC=20.90(E), Drawing Title: #100

2 WOOD STEPS
(1.5' & 0.6' WIDE)
#98

(0.9' WIDE)
#98

(0.9' WIDE)
#98

(0.9' WIDE)
#98

(0.9' WIDE)
#94

(0.9' WIDE)
#94 TC=20.90(E) BC=20.40(E) I(W)=16.42 I(N12")=INXS I(N36")=16.11 I(E)=17.72 I(S)=6.14 Drawing Scale: 1" = 20' NOTES: 1. REFER TO SHEET C3.00 FOR SITE GRADING PLAN. 2. REFER TO SHEET C4.00 FOR NOTES, LEGEND, & ABBREVIATIONS.



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SCHEMATIC DESIGN

1213 Nitsch #10220.6

BLACKSTONE STREET GRADING PLAN

10220.6

DEMOLITION NOTES:

- 1. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
- 4. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
- 5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
- 6. UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
- 7. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- 8. UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS 6. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED REMOVED AND DISPOSED. INLET AND OUTLET PIPES PLUGGED. THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
- 9. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN HE VOID IS WITHIN THE
- FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID. 10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF SITE.
- 11. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
- 12. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
- 13. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE
 11. ALL SEDIMENT RETAINED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LEGALLY DISPOSED
 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY CONDITIONS TO SHALL BE LEGALLY DISPOSED. THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
- 14. REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURB, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK LINE UNLESS OTHERWISE NOTED.
- 15. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
- 16. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
- 17. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE

CITY OF BOSTON STREET LIGHTING NOTES

- 1. ALL CITY OF BOSTON PUBLIC STREET LIGHT POLE INSTALLATIONS SHALL MEET THE CITY OF BOSTON. PUBLIC WORKS DEPARTMENT. STREET LIGHTING SECTION STANDARD SPECIFICATIONS AND DETAILS.
- 2. PROPOSED STREET LIGHT LOCATIONS REQUIRE A CITY OF BOSTON STANDARD LIGHT POLE BASE, LIGHT POLE, LAMP, CONDUIT, CABLING & COMPOSITE PULLBOX, UNLESS OTHERWISE NOTED.
- 3. STREET LIGHTING CONDUIT RUNNING FROM THE LIGHT POLE TO PULLBOX SHALL BE 2" PVC.
- 4. STREET LIGHTING CONDUIT RUNNING FROM PULLBOX TO PULLBOX SHALL BE 3'
- 5. STREET LIGHTING CONDUIT RUNNING UNDER ROADWAYS, DRIVEWAYS, OR OTHER VEHICULAR TRAVELED SURFACES SHALL BE CONCRETE ENCASED.
- 8. REMOVE AND RETURN EXISTING CITY OF BOSTON LIGHTS WITHIN THE LIMIT OF
- 9. EXISTING CITY OF BOSTON STREET LIGHT POLES AND LUMINARIES TO BE REPLACED SHALL BE PROTECTED, REMOVED & RETURNED TO THE CITY OF

WORK TO THE CITY OF BOSTON, UNLESS OTHERWISE NOTED.

BOSTON STREET LIGHTING SECTION.

- 10. ALL EXISTING PULLBOXES TO BE REUSED SHALL BE CLEANED OUT AND THE FRAME AND COVER SHALL BE REPLACED WITH A STANDARD CITY OF BOSTON COMPOSITE PULLBOX.
- 11. STREET LIGHT LOCATIONS NEED TO BE APPROVED BY THE CITY OF BOSTON PRIOR TO INSTALLATION FOR COORDINATION ONLY. STREET LIGHT LOCATIONS SHOWN FOR COORDINATION ONLY.
- 12. THE CONTRACTOR SHALL COORDINATE A FINAL INSPECTION WITH THE CITY OF BOSTON STREET LIGHTING SECTION AND APPROVAL/SIGN OFF FROM THE SECTION FOR THE INSTALLED STREET LIGHTS.
- 13. THE CONTRACTOR SHALL CONFIRM STREET LIGHTS ARE CONNECTED TO THE CITY OF BOSTON STREET LIGHTING POWER SOURCE AND OPERATE ACCORDING TO CITY OF BOSTON STREET LIGHTING STANDARD SPECIFICATIONS AT NIGHT.
- 14. FOR PRIVATE LIGHTING ON SITE AND PRIVATE WAYS, SEE LANDSCAPE ARCHITECT AND ELECTRICAL ENGINEER PLANS.

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE MINIMUM RECOMMENDED PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL SELECTION AND PLACEMENT OF EROSION AND SEDIMENTATION CONTROLS BASED ON ACTUAL SITE CONDITIONS AND CONSTRUCTION CONDITIONS. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, OR AS DIRECTED BY CONTROLLING MUNICIPAL AUTHORITIES, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- . AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
- 4. SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- 5. AFTER ANY SIGNIFICANT RAINFALL (GREATER THAN 0.25 INCH OF RAINFALL WITHIN 24 HOURS), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGE SHALL BE CORRECTED
- TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SEDIMENT FROM ENTERING ANY STORM DRAINAGE SYSTEM AND FROM BEING CONVEYED TO ANY WETLAND RESOURCE AREA, PUBLIC WAYS, ABUTTING PROPERTY, OR OUTSIDE OF THE PROJECT LIMITS.
- 8. THE CONTRACTOR SHALL PROTECT ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK SHALL FROM EROSIVE CONDITIONS. STRAW BALE, CRUSHED STONE OR EQUIVALENT CHECK DAMS ARE TO BE PROVIDED AT A MAXIMUM OF TWO HUNDRED (200) FOOT SPACING, OR LESS AS SITE-SPECIFIC CONDITIONS WARRANT, WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
- 9. ALL STOCK PILES SHALL BE PROTECTED AND LOCATED A MINIMUM OF 100' FROM EXISTING WETLAND RESOURCE AREAS & WITHIN THE LIMIT OF WORK.
- 10. ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.
- 12. TEMPORARY DIVERSION DITCHES DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS AND ANY DENUDED SURFACE THAT WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE STABILIZED/PROTECTED
- WITH APPROPRIATE EROSION CONTROL MATTING OR OTHER EROSION CONTROL METHODS. 13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE
- 14. THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY THE CITY/TOWN OF XXXX CONSERVATION AGENT. STABILIZE OR SEED BARE AREAS LEFT AFTER EROSION CONTROL REMOVAL

GRADING NOTES:

PERMITTING AUTHORITY OR OWNER.

OF OFF SITE.

- 1. ALL TOPSOIL ENCOUNTERED WITHIN THE WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.
- 2. CROSS SLOPES OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 1.5%.
- 3. RUNNING SLOPE OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 4.5%, UNLESS OTHERWISE NOTED. 4. THE CONTRACTOR SHALL EXERCISE CAUTION IN ALL EXCAVATION ACTIVITY DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES.
- 5. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1% UNLESS OTHERWISE NOTED.
- 6. PROVIDE POSITIVE DRAINAGE AWAY FROM FACE OF BUILDINGS AT ALL LOCATIONS.
- 7. PITCH EVENLY BETWEEN CONTOUR LINES AND BETWEEN SPOT GRADES. SPOT GRADE ELEVATIONS TAKE PRECEDENCE OVER CONTOUR LINES.
- 8. ALL PROPOSED TOP OF CURB ELEVATIONS ARE SIX INCHES (6") ABOVE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE NOTED.
- 9. THE CONTRACTOR SHALL BLEND NEW GRADING SMOOTHLY INTO EXISTING GRADING AT LIMITS OF GRADING.
- 10. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING PAVING WITH SMOOTH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
- 11. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- 12. SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. REFER TO EARTHWORK SPECIFICATIONS.
- 13. ANY AREAS OUTSIDE OF THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THE PRE-CONSTRUCTION CONDITION/GRADE AT NO COST TO THE OWNER.
- 14. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING 10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES:

- 1. TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "TOPOGRAPHIC PLAN, PARCEL 9, BOSTON, MA", PREPARED BY NITSCH ENGINEERING, DATED DECEMBER 12, 2017.
- 2. FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 25025C 0081J. THE SITE IS IN ZONE AE.
- THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
- 4. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
- 6. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCH ENGINEERING. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL, THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED.
- 8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- 9. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
- ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- 11. THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND
- 12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND
- 13. ELEVATIONS REFER TO BCB.
- 14. THE CONTRACTOR SHALL COMPLY WITH THE ORDER OF CONDITIONS DATED XXXX XX, XXXX AND ISSUED BY THE XXXX CONSERVATION COMMISSION (DEP #XXX-XXX).

- 1. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL
- CONDUCTING ALL PREPARATIONS RELATED TO. WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES. IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
- 3. THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNER.
- STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
- 5. GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN
- 6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS,
- TELECOMMUNICATION AND ELECTRICAL SERVICES.
- FROM THE FINAL DESIGN GRADES.
- 8. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF
- 12. ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, ETC. SHALL BE RAISED TO
- 13. ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT.

PROPOSED LEGEND

EXISTING UTILITY TO BE ABANDONED, REMOVED AND DISPOSED IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS INDICATED ON DRAWINGS

——— W ——— DOMESTIC WATER PIPE FP FIRE PROTECTION PIPE SANITARY SEWER PIPE ——D—— STORM DRAIN PIPE GAS PIPE E ELECTRIC DUCTBANK ──T/C ── TELECOM DUCTBANK

CLEANOUT CO ● AD●■ AREA DRAIN ACCESS BASIN DRAIN MANHOLE

WATER QUALITY STRUCTURE CB(■) CATCH BASIN

TELECOM MANHOLE OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.

HORIZONTAL CONSTRUCTION CONTROLS.

- 15. FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT.

UTILITY NOTES:

- PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR, AND FOR
- 4. ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND
- COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS.
- INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER
- 10-FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
- 9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
- FOR GAS UTILITY SYSTEMS.
- 11. ALL ON SITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- FINISHED GRADE PRIOR TO FINAL PAVING CONSTRUCTION.

——— EROSION CONTROL BARRIER — × — — × — CONSTRUCTION FENCE

INLET PROTECTION **ELEVATION CONTOURS** —— — — MATCH LINE

DOUBLE CATCH BASIN

ELECTRIC MANHOLE WATER VALVE

SEWER MANHOLE

FIRE HYDRANT

DRY WELL

ABBREVIATIONS

AB ACCESS BASIN AD AREA DRAIN BC BOTTOM OF CURB ELEVATION

BLDG BUILDING

BWSC BOSTON WATER AND SEWER COMMISSION BWV BACKWATER VALVE CB CATCH BASIN

CCB CAPE COD BERM CI CAST IRON CEM CEMENT CJ CONTROL JOINT

CL CENTER LINE CLDI CEMENT LINED DUCTILE IRON PIPE

CO CLEANOUT CONN CONNECTION CONC CONCRETE COORD. COORDINATION

CP CARRIER PIPE CPP CORRUGATED POLYETHYLENE PIPE DCB DOUBLE CATCH BASIN

DI DUCTILE IRON PIPE CEMENT LINED DMH DRAIN MANHOLE DW DOMESTIC WATER SERVICE

COP CENTER OF PIPE

EHH ELECTRIC HANDHOLE EJ EXPANSION JOINT EMH ELECTRIC MANHOLE FD FOUNDATION DRAIN

FGV FLUSH GRANITE CURB FDC FIRE DEPT. CONN. FFE FINISHED FLOOR ELEVATION GV GATE VALVE

HP HIGH POINT HYD FIRE HYDRANT INV INVERT ELEVATION LF LINEAR FEET

LOW LIMIT OF WORK LP LOW POINT LW LAB WASTE P&M PROTECT AND MAINTAIN

OC ON CENTER OCS OUTLET CONTROL STRUCTURE PD PERIMETER DRAIN

NIC NOT IN CONTRACT

PERF PERFORATED PVC POLYVINYL CHLORIDE PIPE R&D REMOVE AND DISPOSE OF

R&S REMOVE AND STOCKPILE R&R REMOVE AND RESET RD ROOF DRAIN RIM RIM ELEVATION

SMH SEWER MANHOLE SS SEWER SERVICE TC TOP OF CURB ELEVATION

TCV TIDEFLEX CHECK VALVE THH TELECOM HANDHOLE TMH TELECOM MANHOLE

TOP TOP OF PIPE

TOD TOP OF DUCT BANK TYP TYPICAL UD UNDERDRAIN USD UNDERSLAB DRAIN

VGC VERTICAL GRANITE CURB w/ WITH WM WATER METER

WV WATER VALVE

WQI WATER QUALITY INLET

WQS WATER QUALITY STRUCTURE

Checked By:

SCHEMATIC DESIGN

Description

A SCHEMATIC DESIGN 01.04.201

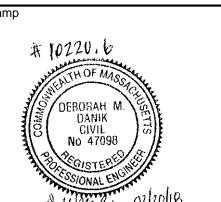
NOI/BWSC SUBMISSION 02.21.20

1213 Nitsch #10220.6

Drawing Title:

CIVIL NOTES. LEGEND, & **ABBREVIATIONS**

Drawing Scale: **AS SHOWN**



C4.00

Drawing Number

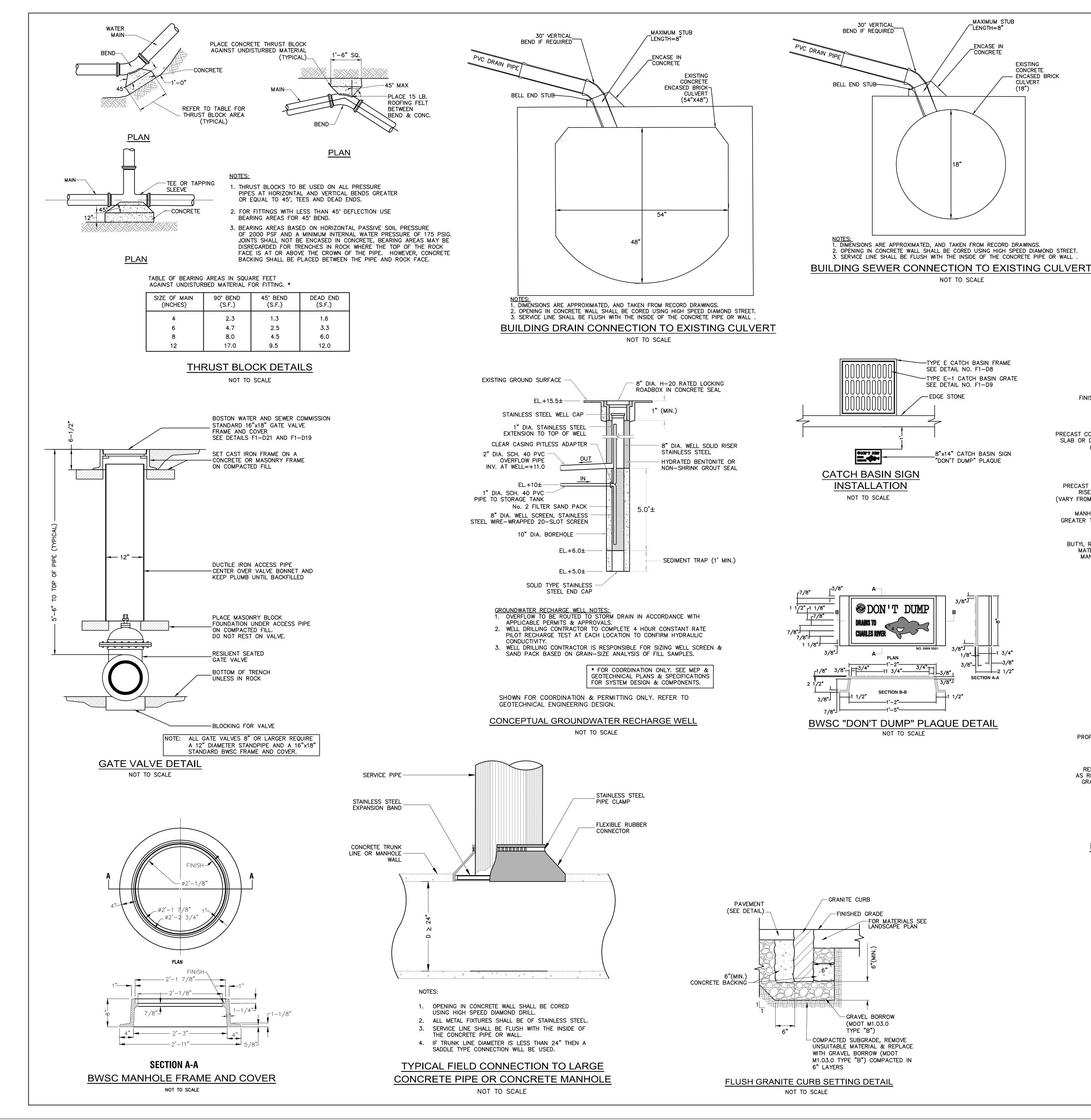
PARTNERS 21 W 3rd St Boston MA 02127

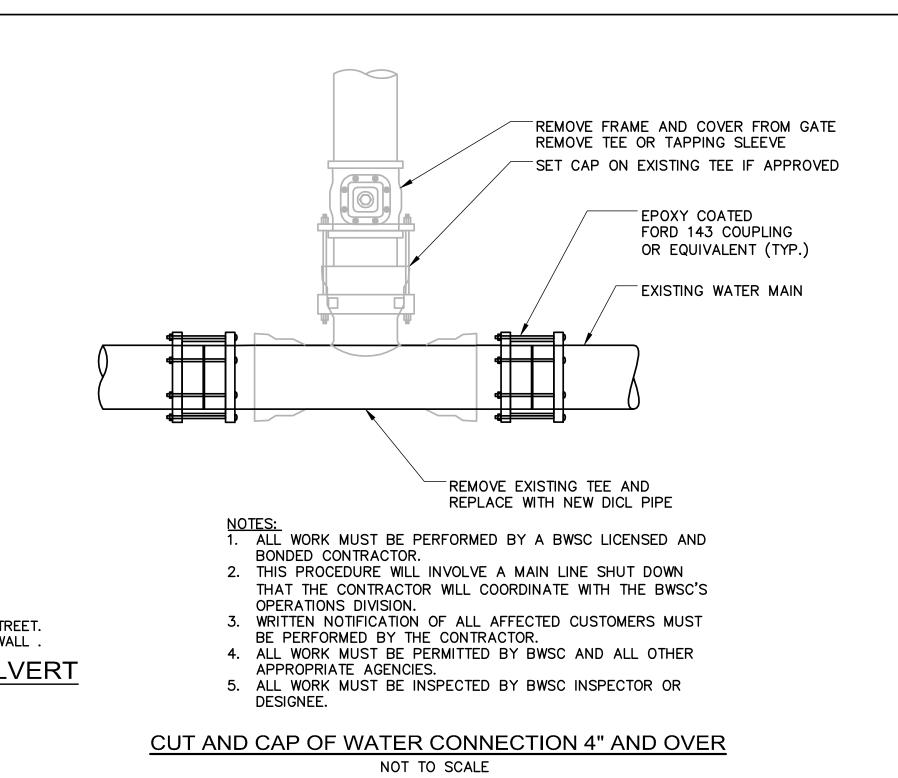
Nitsch Engineering

BOSTON, MA

BY HILTON

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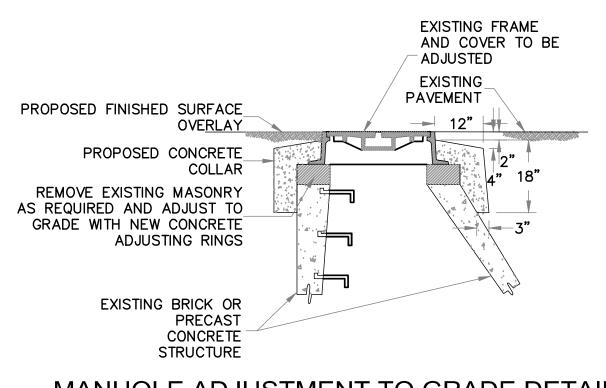




4 FLANGE CAST IRON FRAME & GRATE - ADJUST TO FINISH GRADE W/ COURSES OF MORTARED BRICK (2 COURSES MIN., 4 FINISH GRADE (TYP.) COURSES MAX.) MORTAR FILL AROUND FLANGE PRECAST CONCRETE FLAT SLAB OR DOME SECTION (AS REQUIRED REMOVABLE CATCH BASIN HOOD 6' DIAMETER REQUIRED ON ALL CATCH BASINS 7"MIN. MORTAR FILL AROUND PIPE PRECAST CONCRETE RISER SECTION (VARY FROM 1' TO 4') -- OUTLET PIPE MANHOLE STEPS IF GREATER THAN 6' DEEP PRECAST CONCRETE RISER SECTION (TYP.) BUTYL RESIN GASKET - PROVIDE V OPENING MATERIAL AT ALL MANHOLE JOINTS PRECAST CONCRETE CATCH BASIN BASE SECTION TO CONFORM TO ASTMC-478 (4000 4 4 4 4 4 4 4 4 PSI @ 28 DAYS) 12" COMPACTED GRAVEL BORROW (MDOT M1.03.0 TYPE "B") COMPACTED SUBGRADE, REMOVE UNSUITABLE MATERIAL & REPLACE WITH GRAVEL BORROW (MDOT M1.03.0 TYPE "B")

> TYPICAL DOUBLE CATCH BASIN DETAIL NOT TO SCALE

COMPACTED IN 6" LAYERS



MANHOLE ADJUSTMENT TO GRADE DETAIL

NOT TO SCALE

BY HILTON

PARCEL 9 BOSTON, MA



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SCHEMATIC DESIGN

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Checked By:

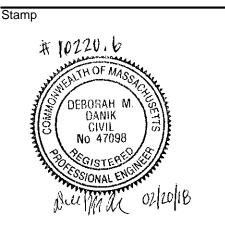
BLACKSTONE STREET DETAILS 1

Nitsch #10220.6

1213

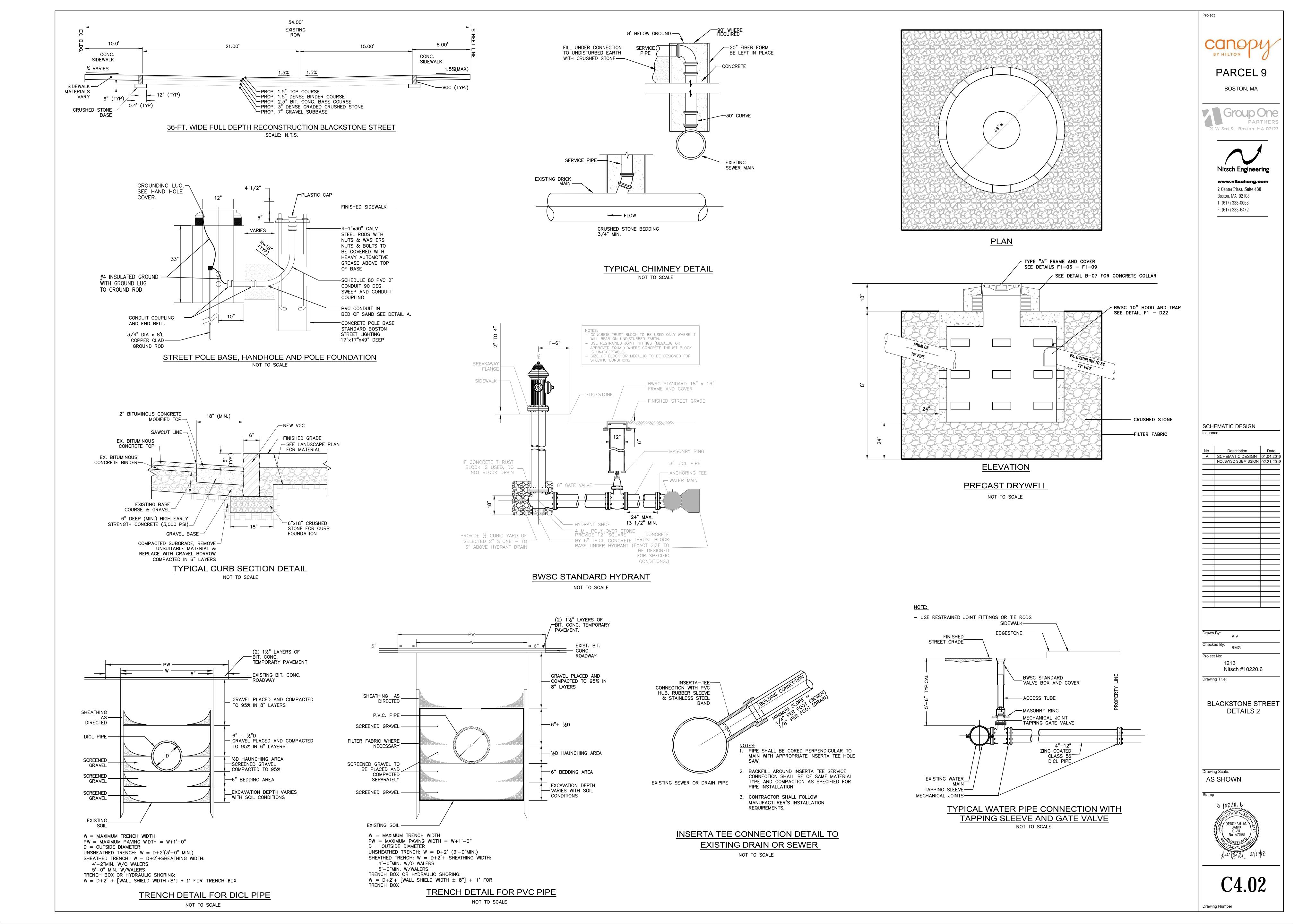
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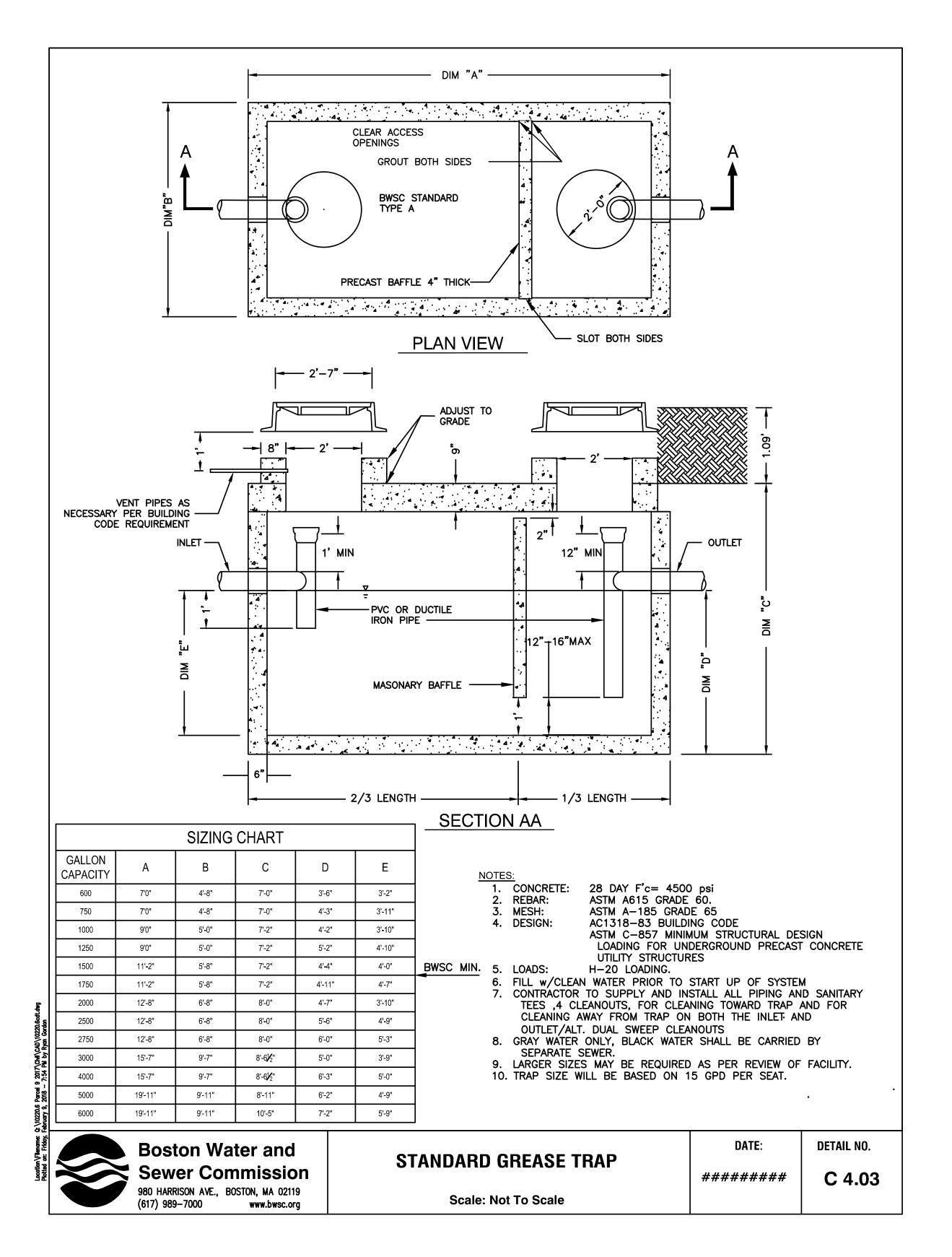
Drawing Scale: **AS SHOWN**



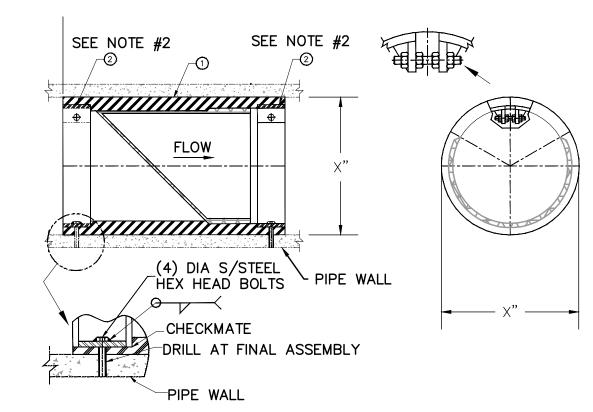
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Drawing Number





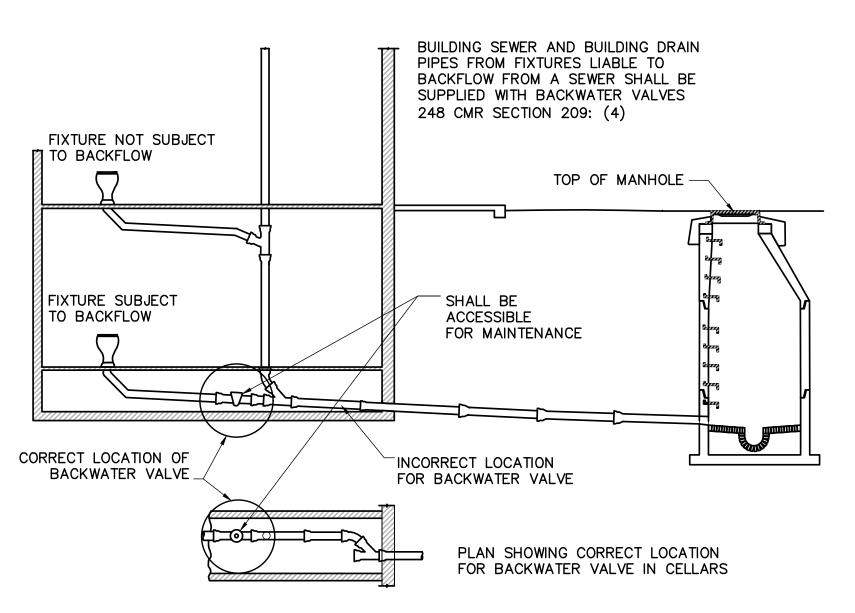
1. PIPE INSIDE DIAMETER — MUST BE SUPPLIED
2. CLAMP INSTALLED IN UPSTREAM OR DOWNSTREAM CUFF
DEPENDING ON INSTALLATION ORIENTATION
3. MAXIMUM ALLOWABLE BACK PRESSURE — 40.0 FEET
4. IT IS RECOMMENDED TO BOLT OR PIN TIDEFLEX TO PIPE AS
SHOWN, 4 PLACES 90° APART



PIN PER NOTE #4
RECOMMENDED PINNING CONFIGURATION
(SUPPLIED BY CUSTOMER) (SEE I.O.M.) NOT TO

TIDEFLEX INLINE CHECKMATE
CHECK VALVE DETAIL (TCV)

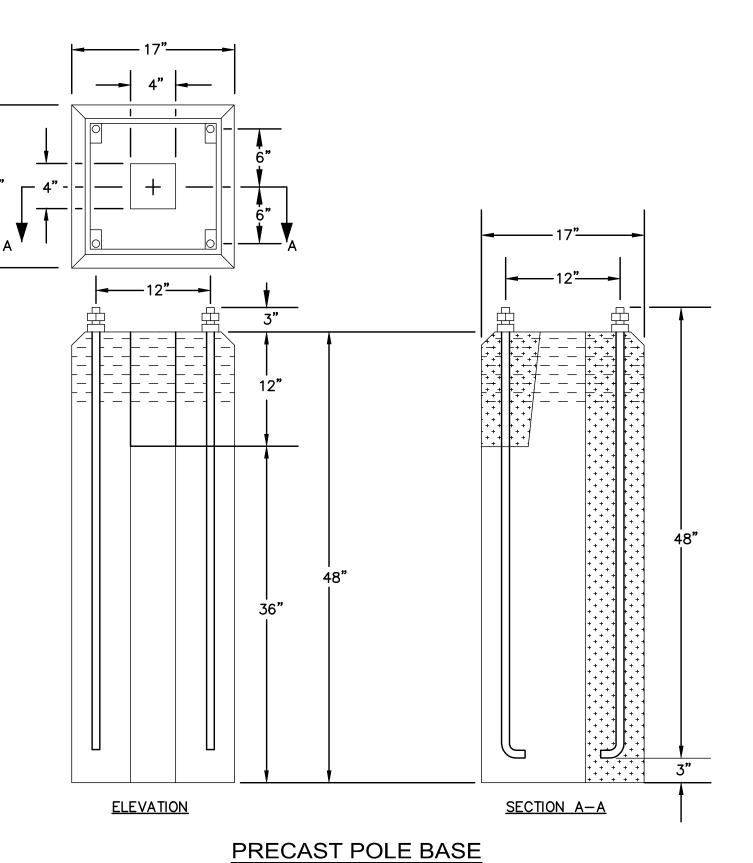
NOT TO SCALE



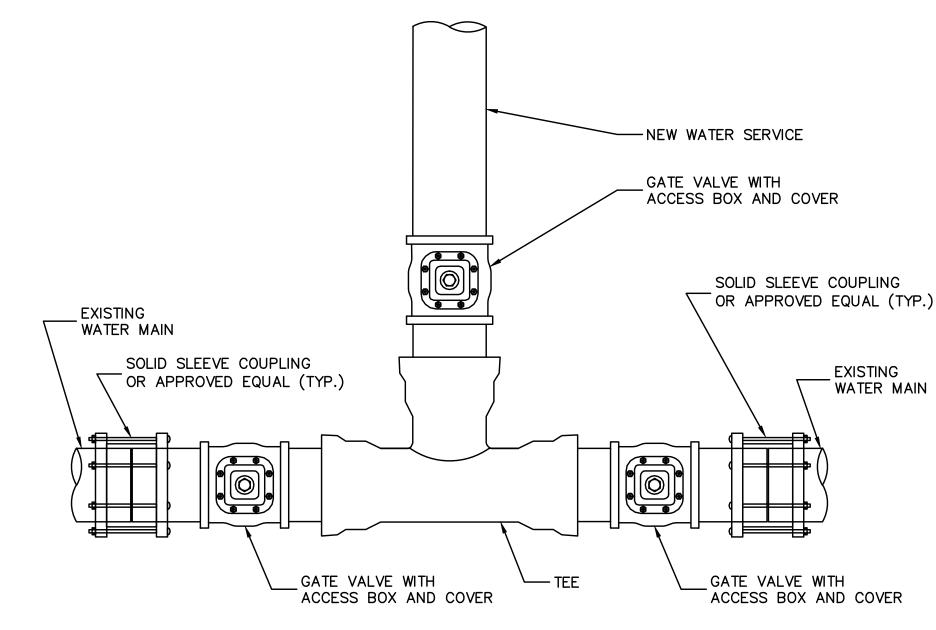
NOTE: ALL PLUMBING FIXTURES BELOW THE LEVEL OF THE TOP OF THE MANHOLE OF THE SEWER SERVICING THE FIXTURE(S) SHALL BE CONSIDERED AS BEING SUBJECT TO BACKFLOW AND SHALL BE SUPPLIED WITH BACKWATER VALVES.

STANDARD BACKWATER VALVE DETAIL

NOT TO SCALE



NOT TO SCALE

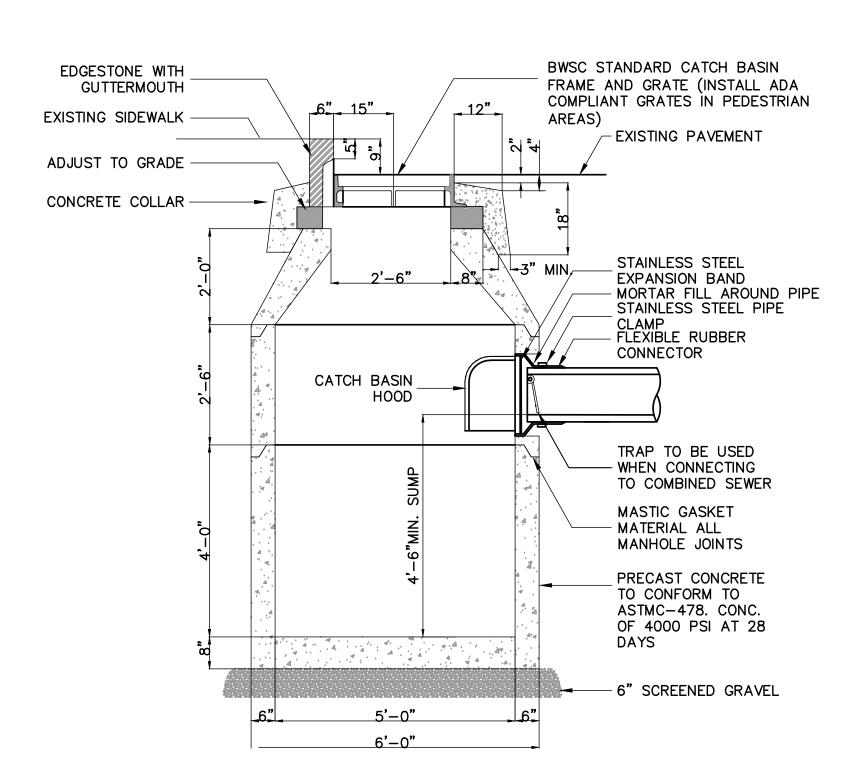


NOTES:
1. ALL WORK MUST BE PERFORMED BY A BOSTON LICENSED AND BONDED CONTRACTOR.
2. THIS PROCEDURE WILL INVOLVE A MAIN LINE SHUT DOWN THAT THE CONTRACTOR WILL COORDINATE WITH FRAMINGHAM'S D.P.W. WATER OPERATIONS DIVISION.
3. 48-HOUR PRIOR WRITTEN NOTIFICATION OF ALL AFFECTED CUSTOMERS MUST BE PERFORMED BY THE CONTRACTOR.
4. ALL WORK MUST BE PERMITTED BY BOSTON AND ALL OTHER APPROPRIATE AGENCIES.
5. ALL WORK MUST BE INSPECTED BY BOSTON INSPECTOR OR DESIGNEE PRIOR TO BACKFILLING.

6. ALL JOINTS SHALL BE RESTRAINED JOINT FITTINGS.

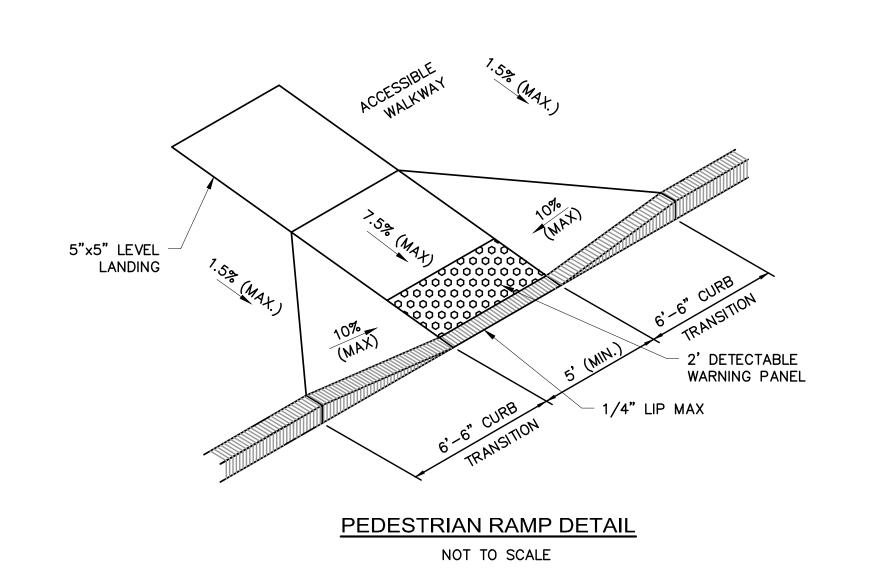
CONNECTION TO EXISTING WATER SERVICE DETAIL

NOT TO SCALE



BWSC STANDARD CATCH BASIN

NOT TO SCALE



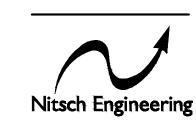
Canopy

PARCEL 9

Project



BOSTON, MA



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SCHEMATIC DESIGN
Issuance

	I	ı
No	Description	Date
Α	SCHEMATIC DESIGN	01.04.201
	NOI/BWSC SUBMISSION	02.21.201

Drawn By:
AIV
Checked By:
RMG
Project No:

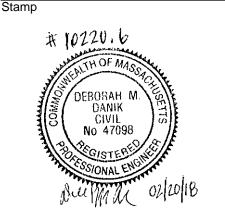
Nitsch #10220.6

Drawing Title:

1213

SITE & UTILITY DETAILS

Drawing Scale:
AS SHOWN



C4.03

Drawing Number