

ARLINGTON HIGH SCHOOL PROJECT NOTICE OF INTENT FILING ARLINGTON CONSERVATION COMMISSION



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KEYPLAN

ARLINGTON High School
 Massachusetts Avenue, Arlington, Massachusetts
COVER SHEET
 SCALE: 1"=40'
 DRAWN BY: SM CHECKED BY: SG

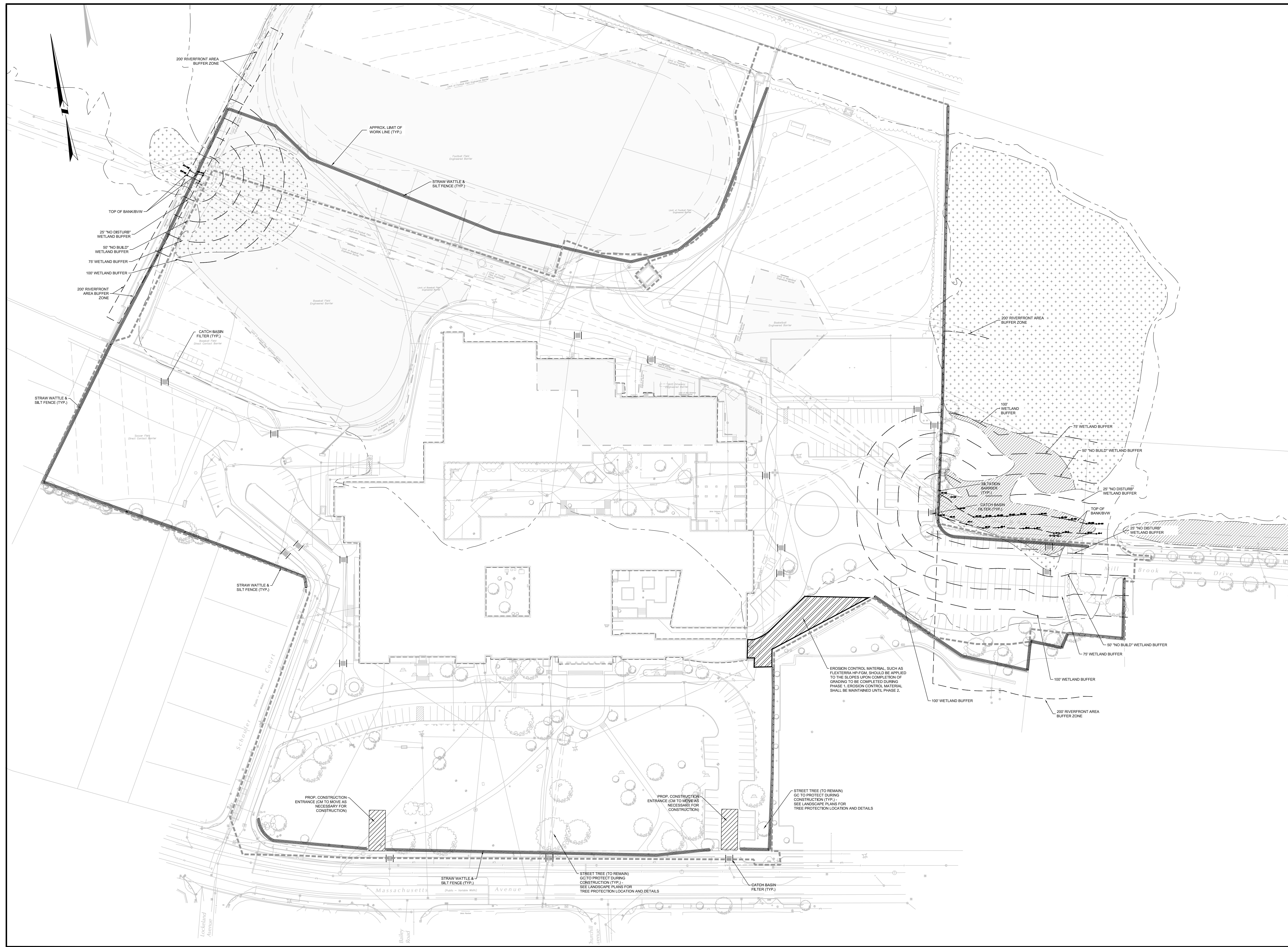
REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-0.0
 JOB NUMBER 17211

HM FH
HM FH ARCHITECTS
 150 Blue Hills Blvd
 Cambridge, MA 02138
 Tel: 617.452.2200
 @hmfharch hmfh.com

samioles
Samioles Consultants, Inc.
 Civil Engineers - Land Surveyors
 225 A Street, Woburn, MA 01895
 Tel: 978.877.9399
 www.samioles.com

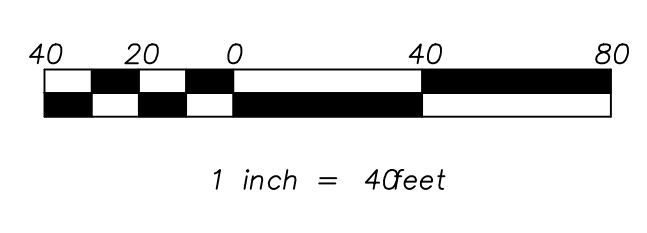
CONSERVATION COMMISSION FILING SET
 05-07-2020



NOTE:
THE CONTRACTOR SHALL PHASE ALL DEMOLITION AND REMOVAL WORK TO ALLOW FOR THE CONTINUING OPERATION OF ALL STRUCTURES OUTSIDE OF LIMIT OF WORK.

NOTE:
DRAWING DOES NOT SHOW ENTIRE SCOPE OF DEMO. IT IS INTENDED TO AID CONTRACTOR WITH IDENTIFYING WORK AND IS NOT ALL INCLUSIVE.

- LEGEND:**
- TREE PROTECTION
 - BUILDING TO BE REMOVED
 - LIMIT OF WORK
 - EROSION CONTROL
 - PROPOSED CATCHBASIN FILTER



KEYPLAN				
REVISIONS NO.	DATE	REMARKS	BY	DRAWING NUMBER

HMFH ARCHITECTS

samioles

Samioles Consultants, Inc.
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 200 A Street, Suite 100
 North Attleboro, MA 01926
 P: 508.877.9399
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CONSERVATION COMMISSION FILING SET

05-07-2020

Arlington High School
Massachusetts Avenue, Arlington, Massachusetts

SITE PREPARATION & EROSION CONTROL PLAN

DRAWN BY: SM

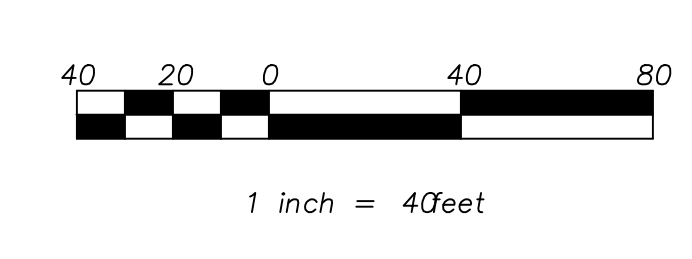
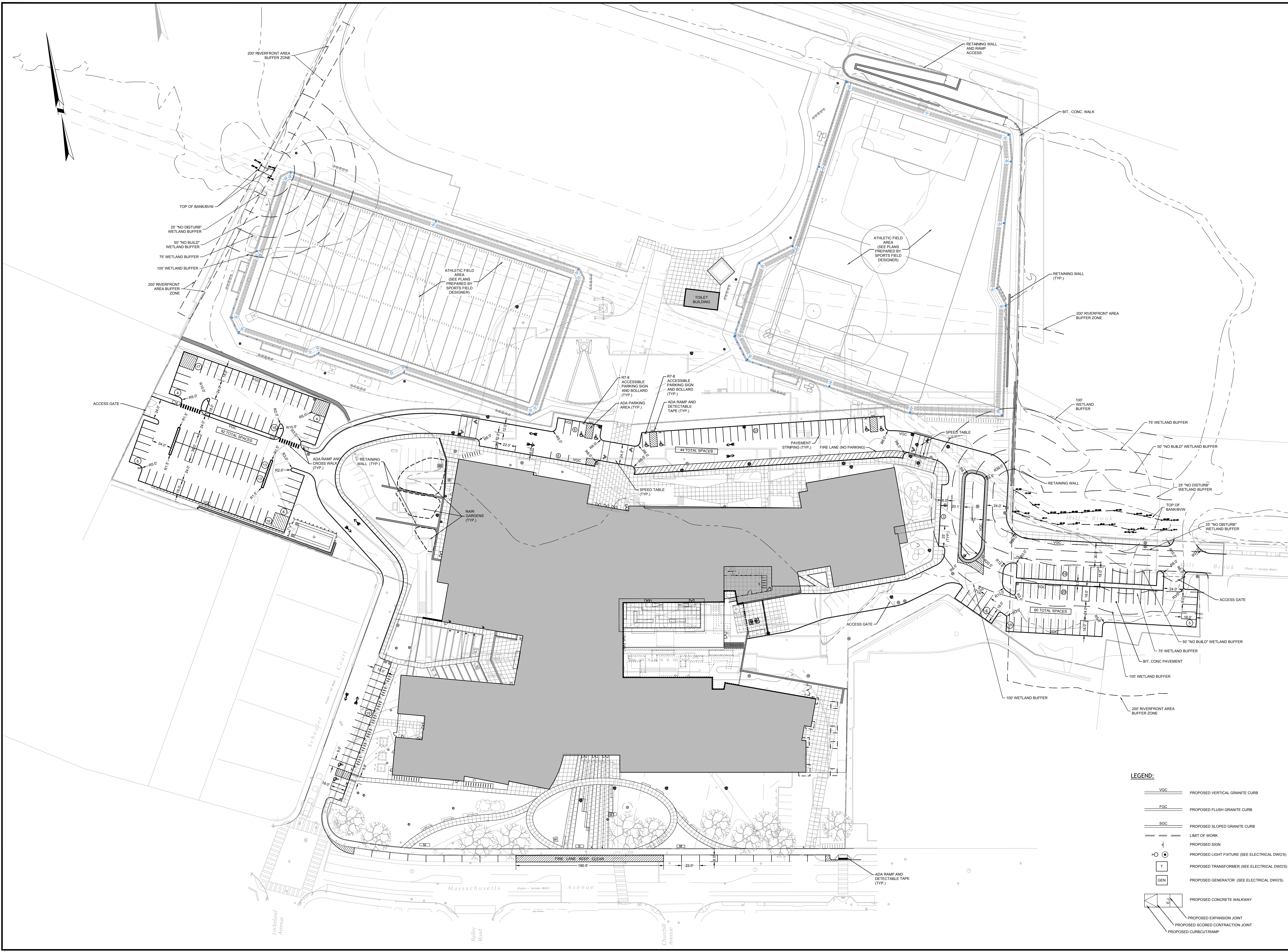
CHECKED BY: SG

C-1.0

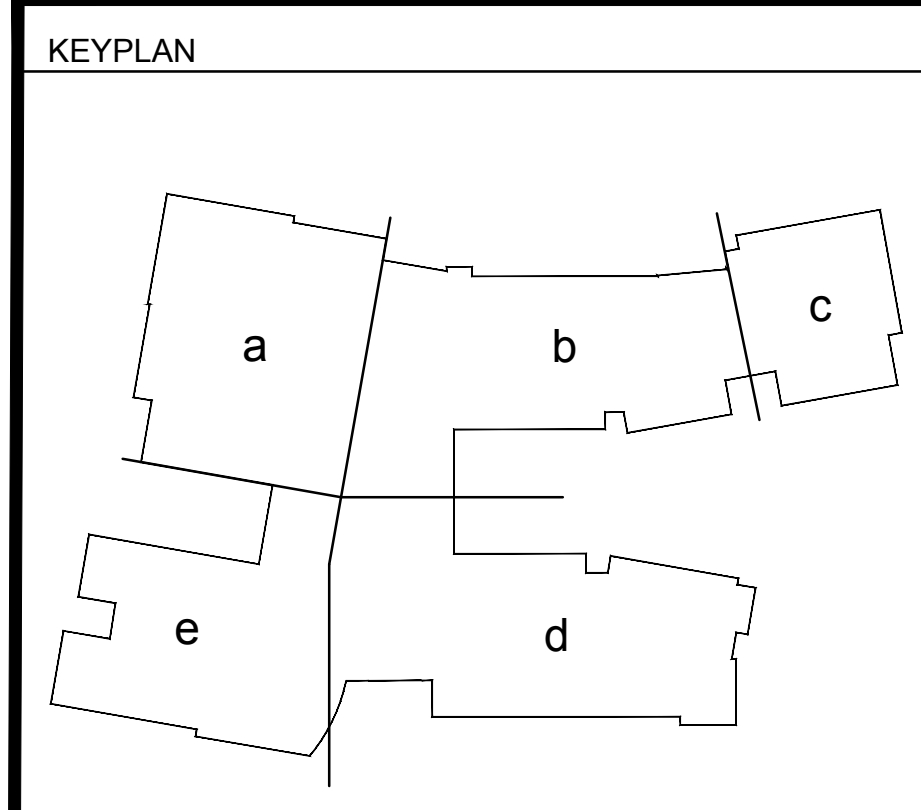
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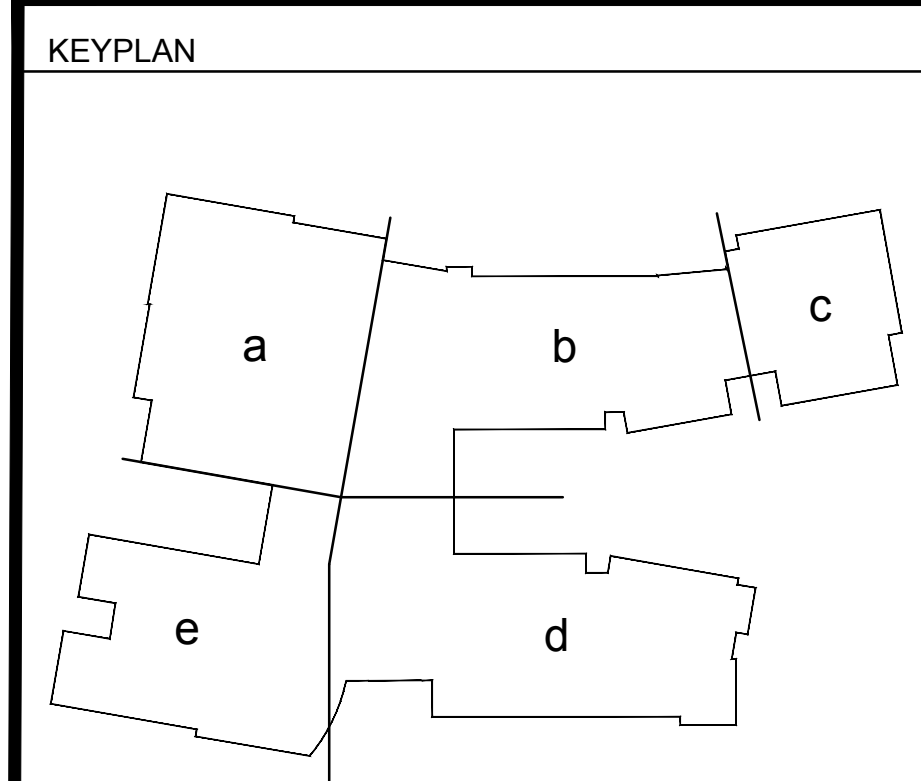
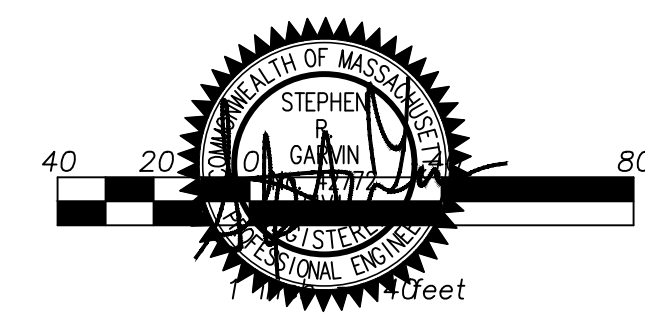
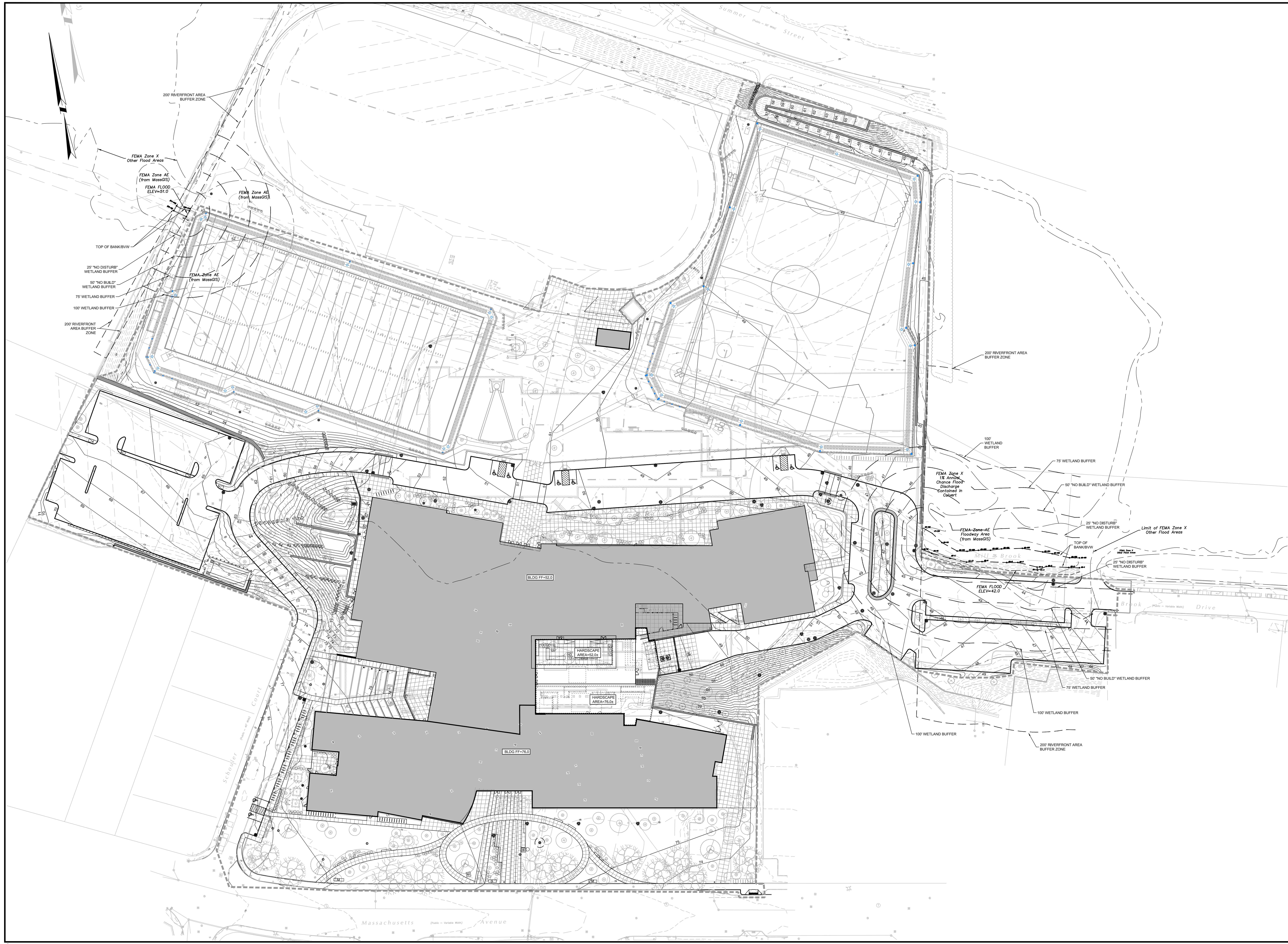
17211



- LEGEND:**
- PROPOSED VERTICAL GRANITE CURB
 - PROPOSED FLUSH GRANITE CURB
 - PROPOSED SLOPED GRANITE CURB
 - LIMIT OF WORK
 - PROPOSED SIGN
 - PROPOSED LIGHT FIXTURE (SEE ELECTRICAL DWGS)
 - PROPOSED TRANSFORMER (SEE ELECTRICAL DWGS)
 - PROPOSED GENERATOR (SEE ELECTRICAL DWGS)
 - PROPOSED CONCRETE WALKWAY
 - PROPOSED EXPANSION JOINT
 - PROPOSED SCORED CONTRACTION JOINT
 - PROPOSED CURB/CURB/RAMP

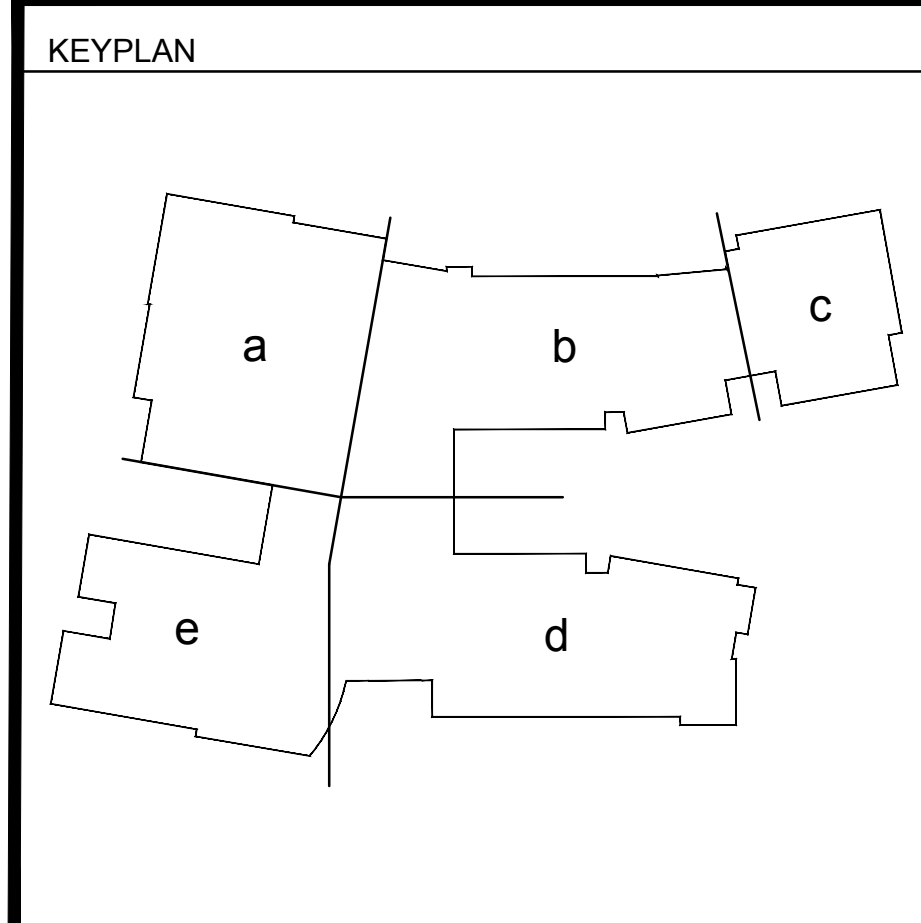
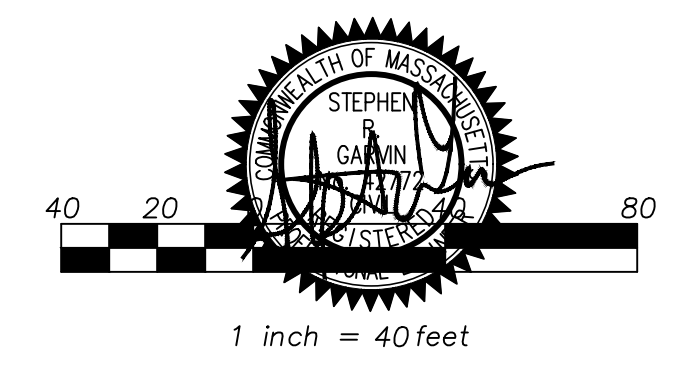
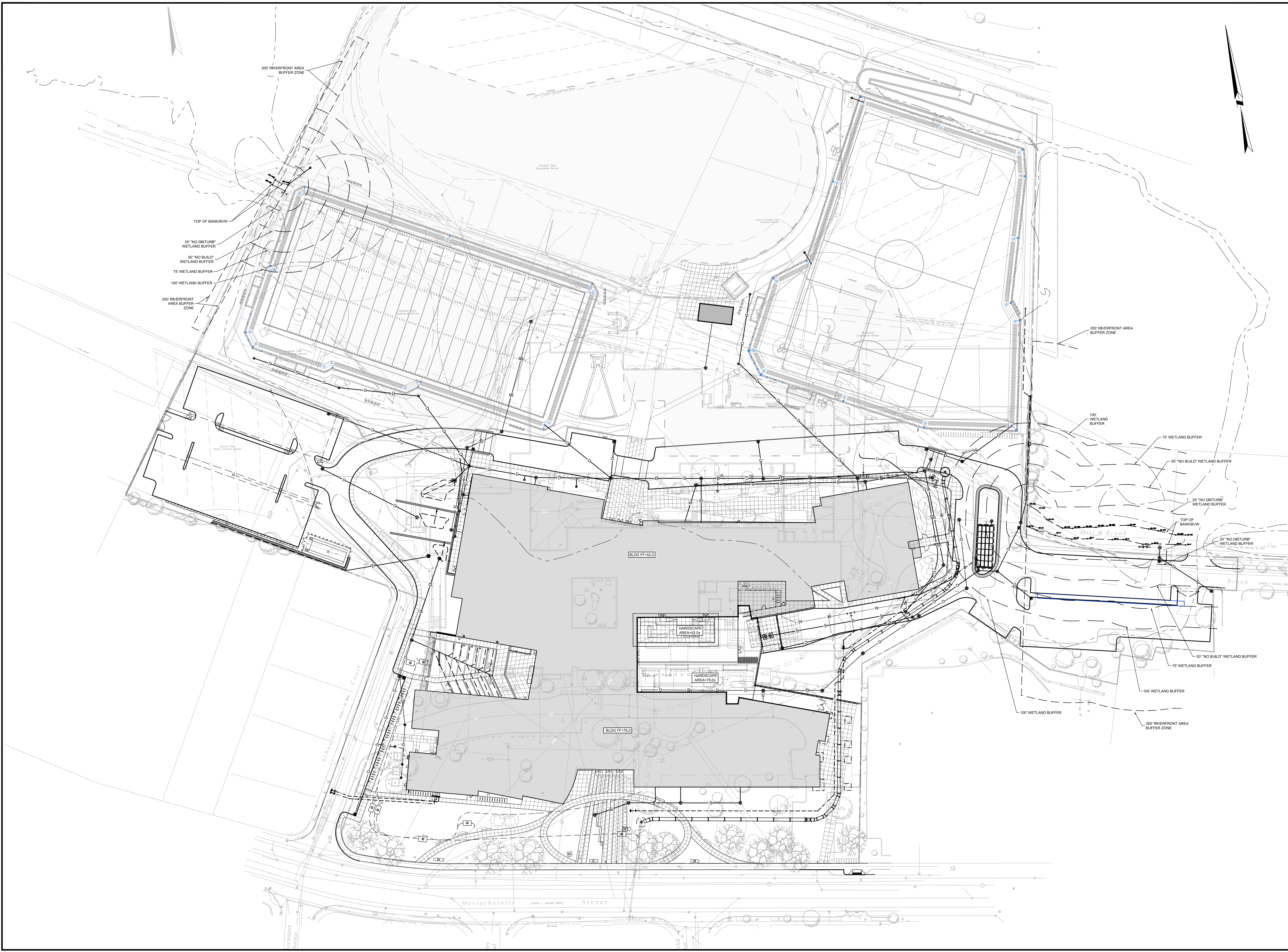


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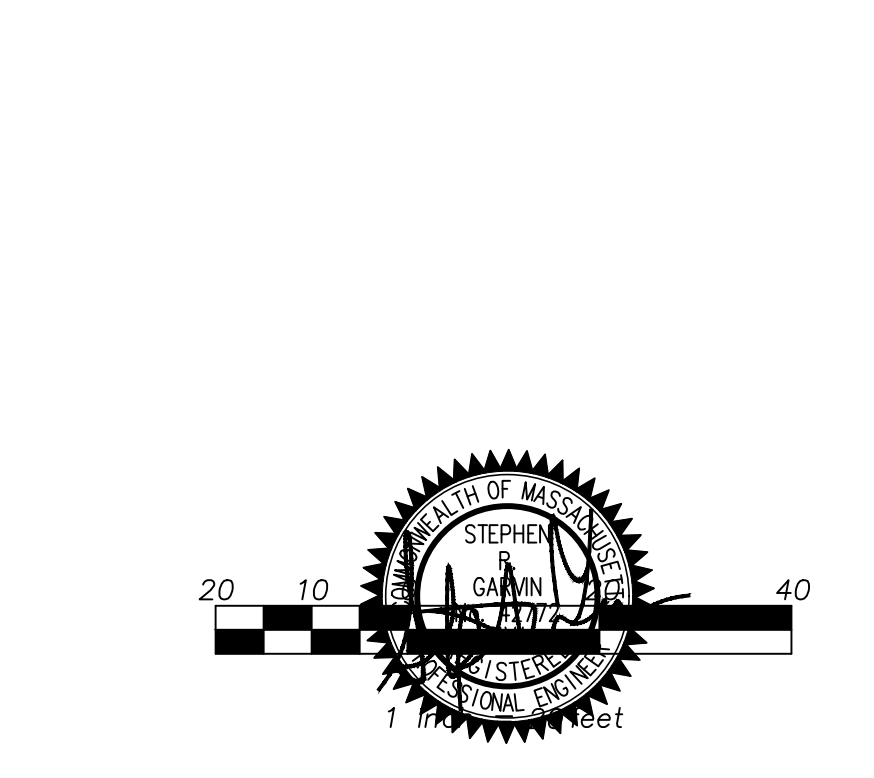
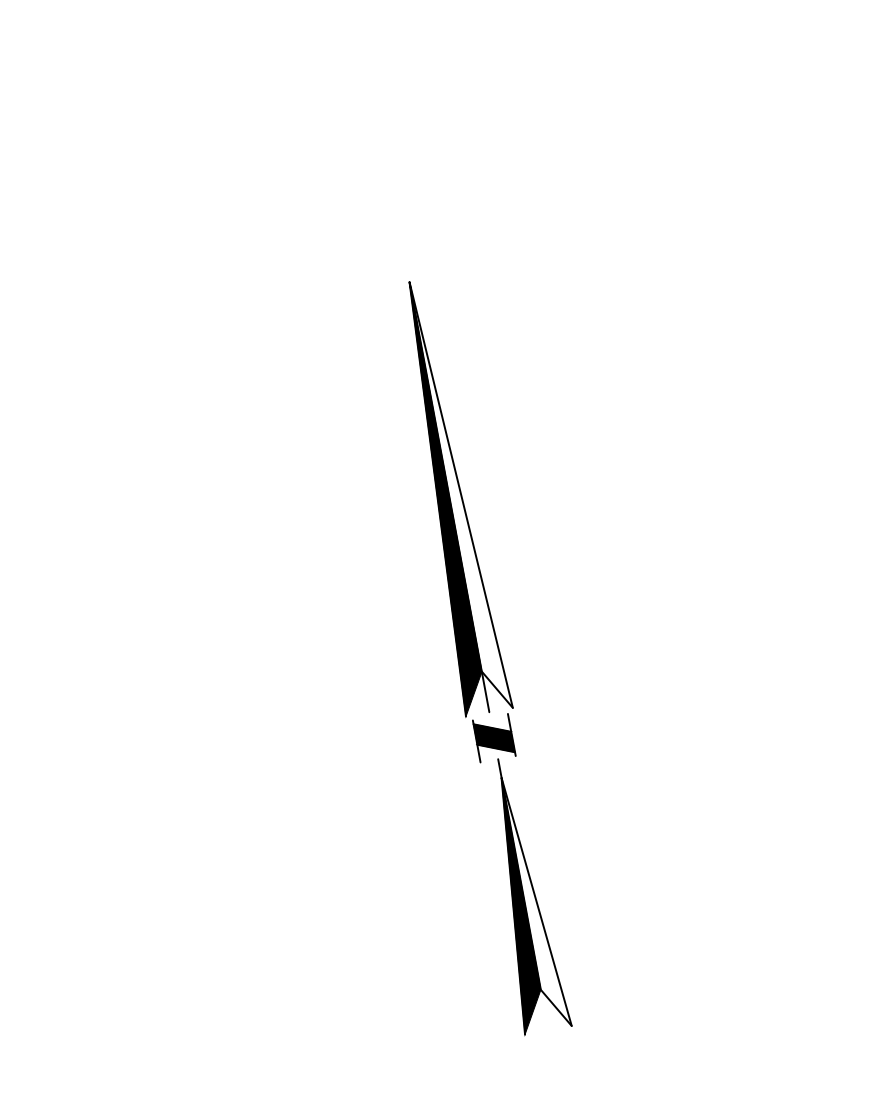
- LEGEND:**
- D — PROPOSED STORM DRAINAGE LINE
 - W — PROPOSED WATER LINE
 - FF — PROPOSED FIRE PROTECTION LINE
 - SS — PROPOSED SANITARY SEWER LINE
 - G — PROPOSED GAS LINE (BY OTHERS)
 - E — PROPOSED UNDERGROUND ELECTRIC LINE
 - ⊙ IMH PROPOSED SANITARY SEWER MANHOLE
 - ⊙ DMH PROPOSED STORM DRAINAGE MANHOLE
 - ⊙ CR PROPOSED CATCH BASIN
 - ⊙ HYD PROPOSED HYDRANT
 - ⊙ GAV PROPOSED WATER GATE VALVE
 - ⊙ WGV PROPOSED WATER GATE VALVE
 - ⊙ TSV PROPOSED TAP AND SLEEVE VALVE
 - E — APPROX. LOCATION OF ENGINEERED SOIL BARRIER



REVISIONS NO	DATE	REMARKS	BY

C-4.0
DRAWING NUMBER

- LEGEND:**
- PROPOSED STORM DRAINAGE LINE
 - PROPOSED ROOF DRAIN LINE
 - PROPOSED WATER LINE
 - PROPOSED DEDICATED FIRE PROTECTION LINE
 - PROPOSED SANITARY SEWER LINE
 - PROPOSED GAS LINE (BY OTHERS)
 - PROPOSED UNDERGROUND ELECTRIC LINE
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED DOUBLE CATCH BASIN
 - PROPOSED AREA DRAIN
 - PROPOSED CLEANOUT
 - PROPOSED HYDRANT
 - PROPOSED GAS GATE VALVE
 - PROPOSED WATER GATE VALVE
 - PROPOSED TAP AND SLEEVE VALVE
 - PROPOSED TEE
 - APPROX. LOCATION OF ENGINEERED SOIL BARRIER
 - APPROX. LOCATION OF CONSTRUCTION FENCE
 - TRANSFORMER WITH BOLLARDS
 - SWITCH GEAR WITH BOLLARDS
 - COMMUNICATION MANHOLE
 - PROPOSED FIRE DEPICTION CONNECTION SEE MEP PLANS



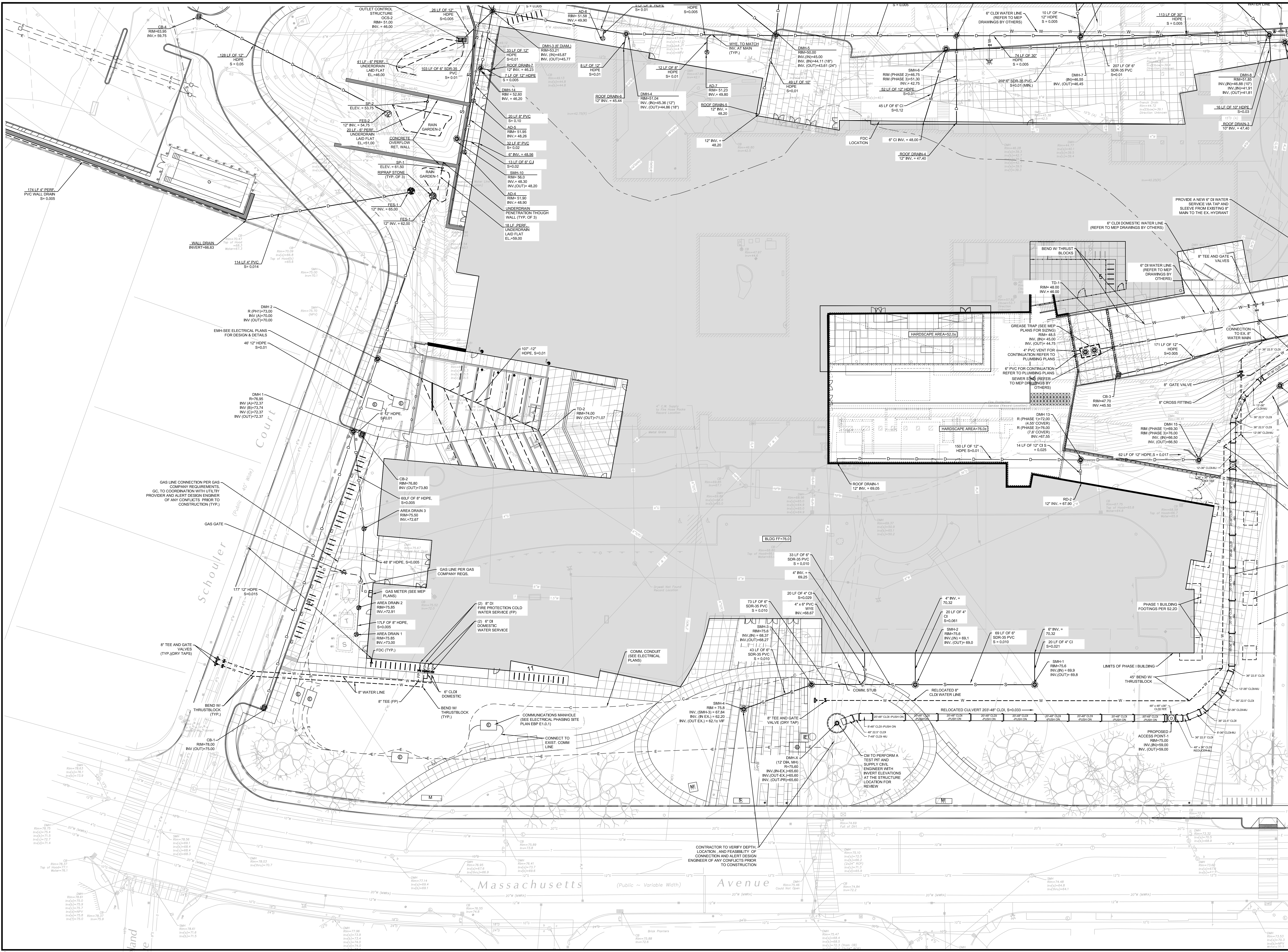
REVISIONS

NO	DATE	REMARKS

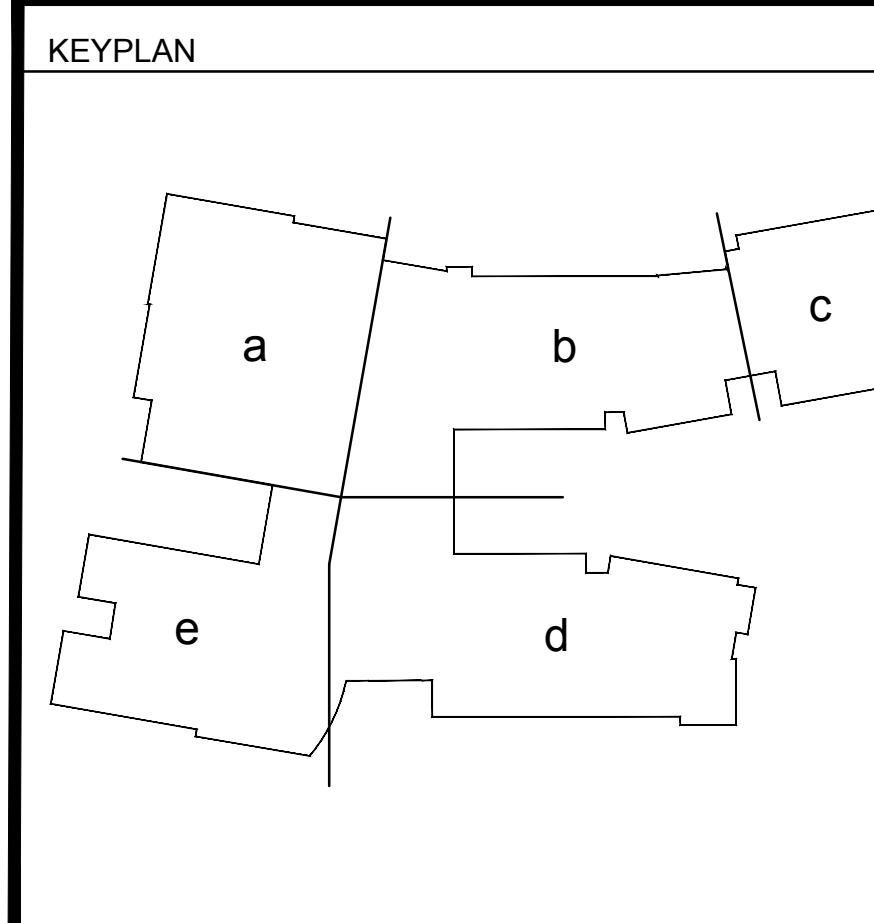
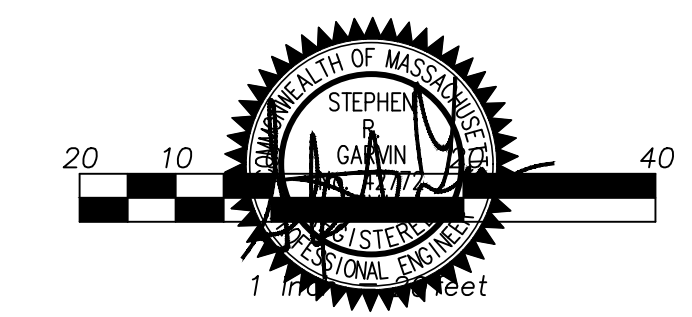
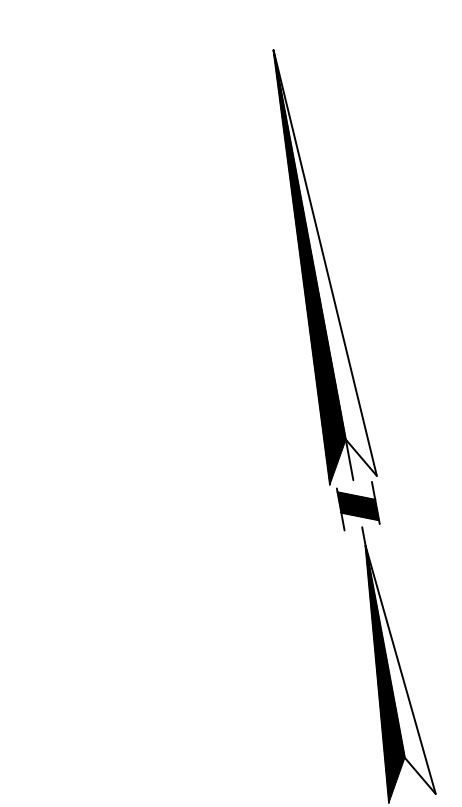
BY: _____

DATE: _____

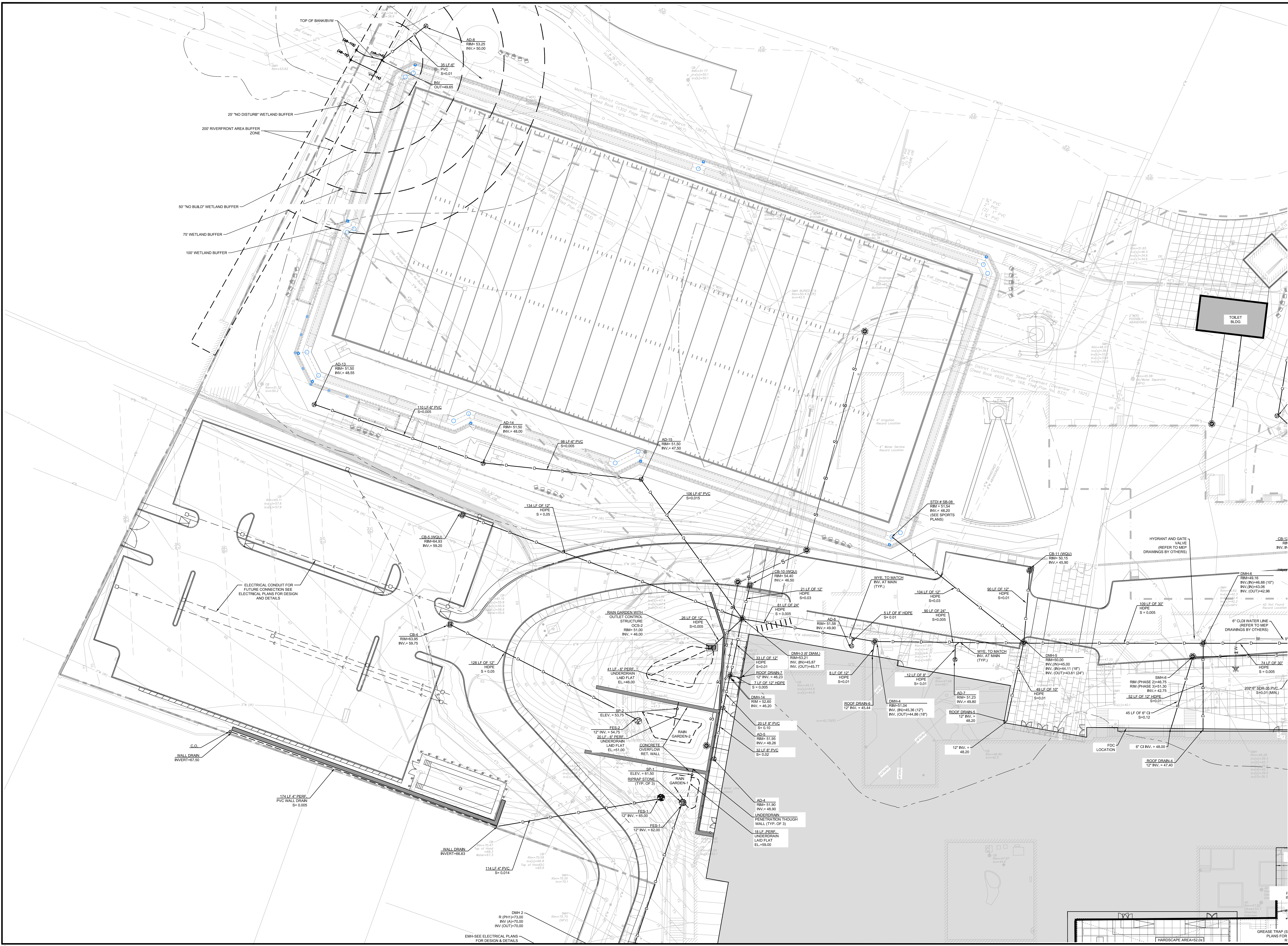
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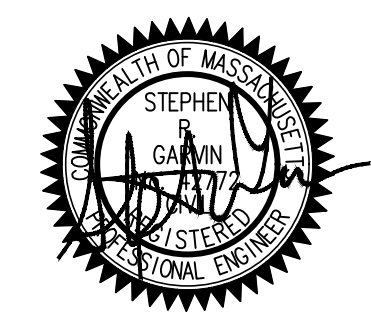
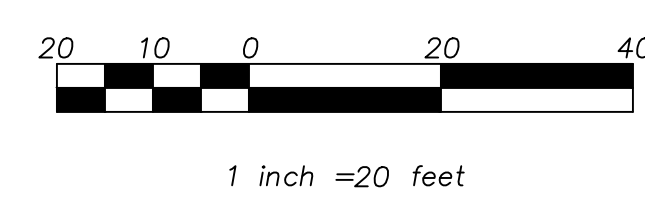
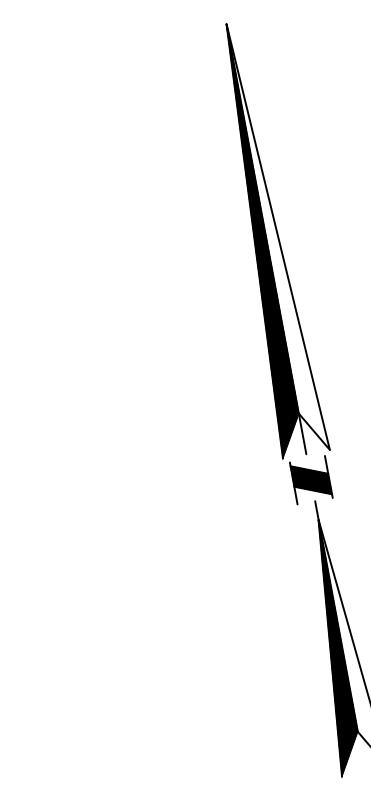
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 - E PROPOSED UNDERGROUND ELECTRIC LINE
 - DMH PROPOSED SANITARY SEWER MANHOLE
 - DMH PROPOSED STORM DRAINAGE MANHOLE
 - CB PROPOSED CATCH BASIN
 - CB PROPOSED DOUBLE CATCH BASIN
 - CD PROPOSED AREA DRAIN
 - CO PROPOSED CLEANOUT
 - CV PROPOSED HYDRANT
 - GV PROPOSED GAS GATE VALVE
 - GW PROPOSED WATER GATE VALVE
 - TSV PROPOSED TAP AND SLEEVE VALVE
 - TE PROPOSED TEE
 - ESB APPROX. LOCATION OF ENGINEERED SOIL BARRIER
 - FENCE APPROX. LOCATION OF CONSTRUCTION FENCE
 - T TRANSFORMER WITH BOLLARDS
 - S SWITCH GEAR WITH BOLLARDS
 - CM COMMUNICATION MANHOLE
 - FC PROPOSED FIRE DEVIATION CONNECTION SEE MEP PLANS



REVISIONS NO	DATE	REMARKS



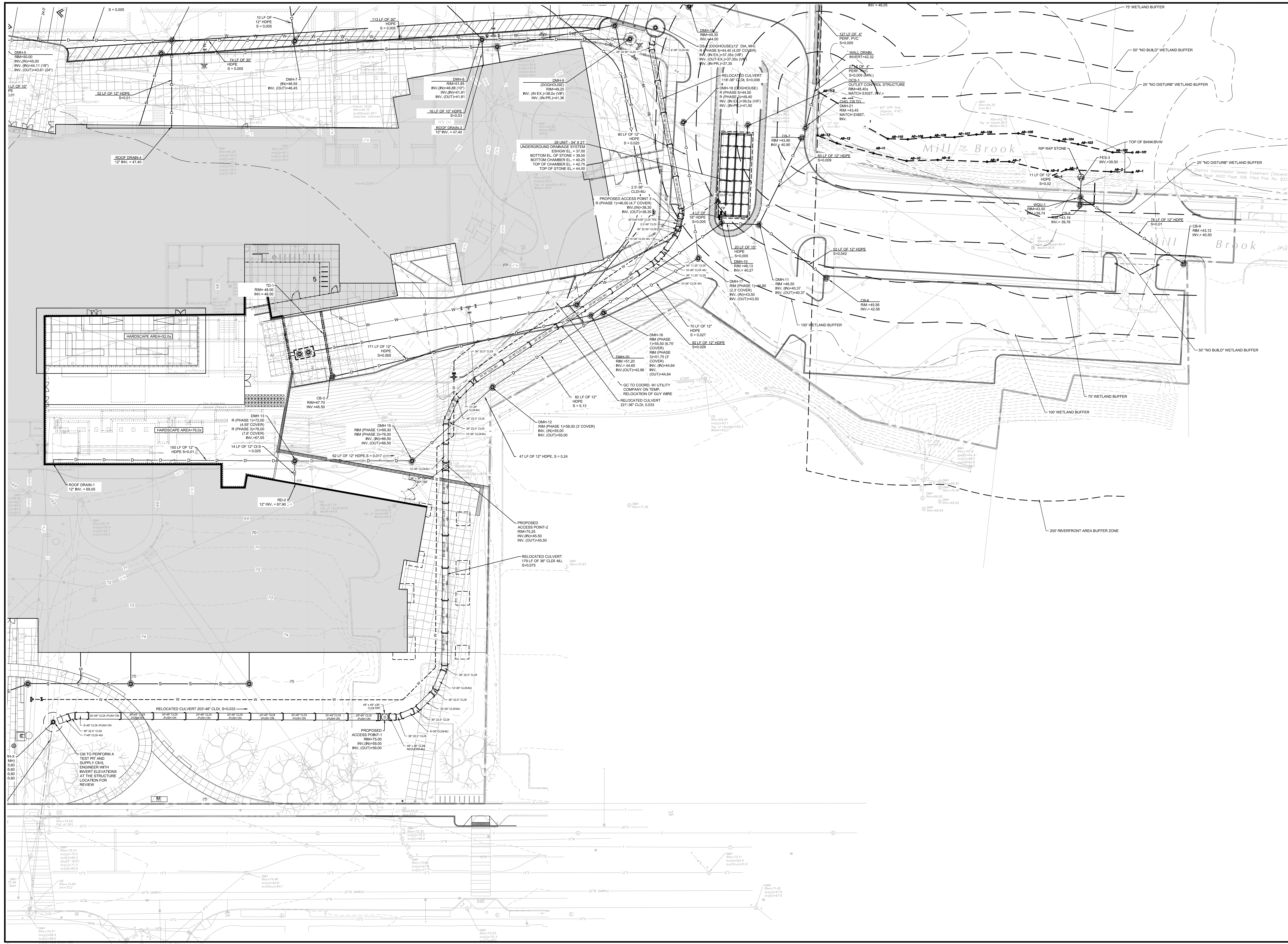
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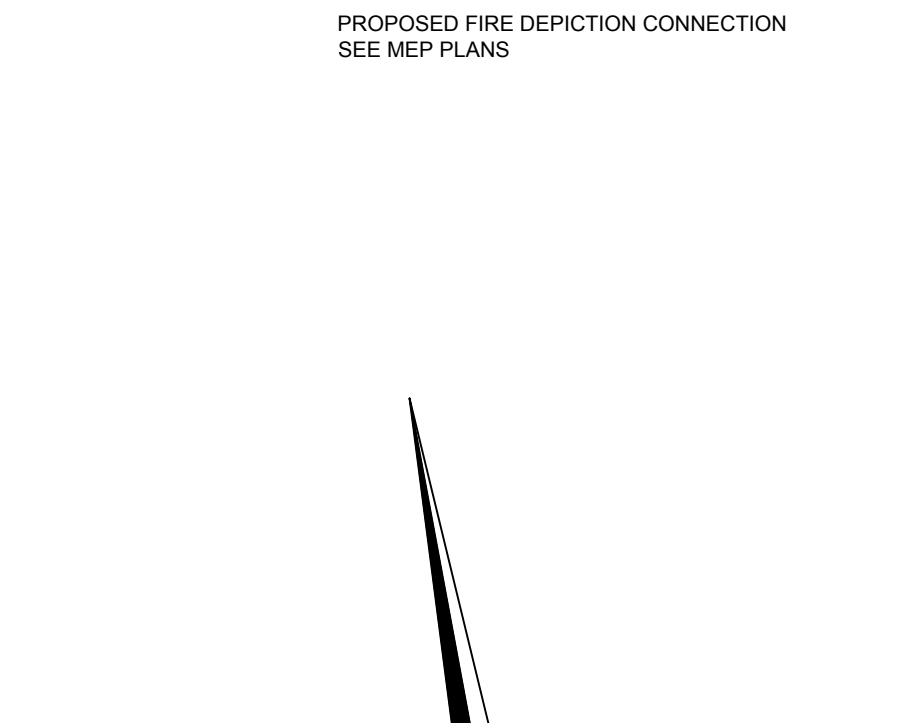
KEYPLAN

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 - CB — SWITCH GEAR WITH BOLLARDS
 - CB — COMMUNICATION MANHOLE
 - CB — PROPOSED FIRE DEPICTION CONNECTION SEE MEP PLANS



REVISIONS

NO.	DATE	REMARKS

BY: _____ **CHECKED BY:** _____

SCALE: 1"=20'

DATE: 05-07-2020

HM FH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617.491.2200
617.491.2200
617.491.2200

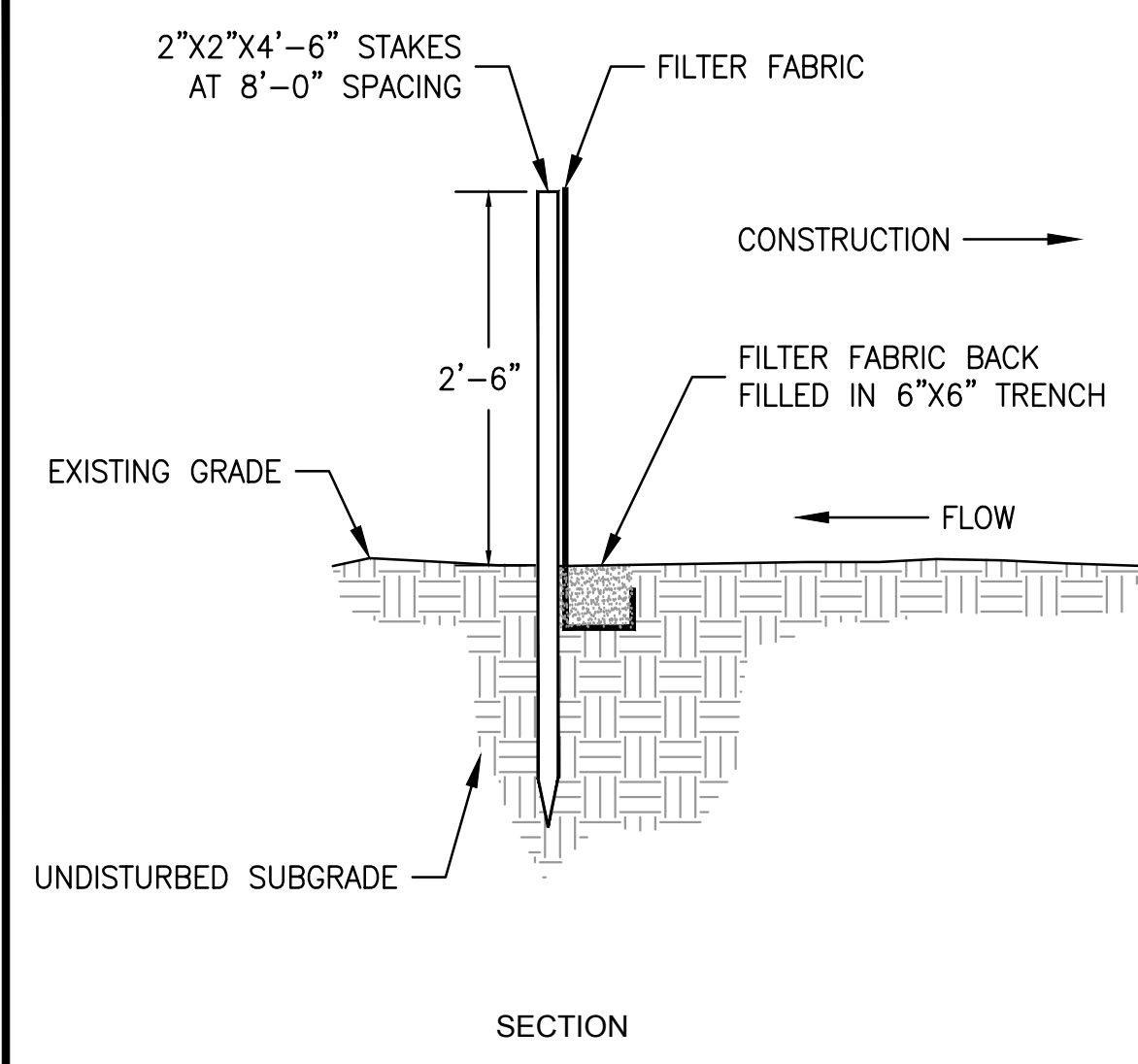
Samioles Inc.
100 Main Street
Framingham, MA 01701
508.877.6488
508.877.6488
www.samioles.com

CONSERVATION COMMISSION FILING SET
05-07-2020

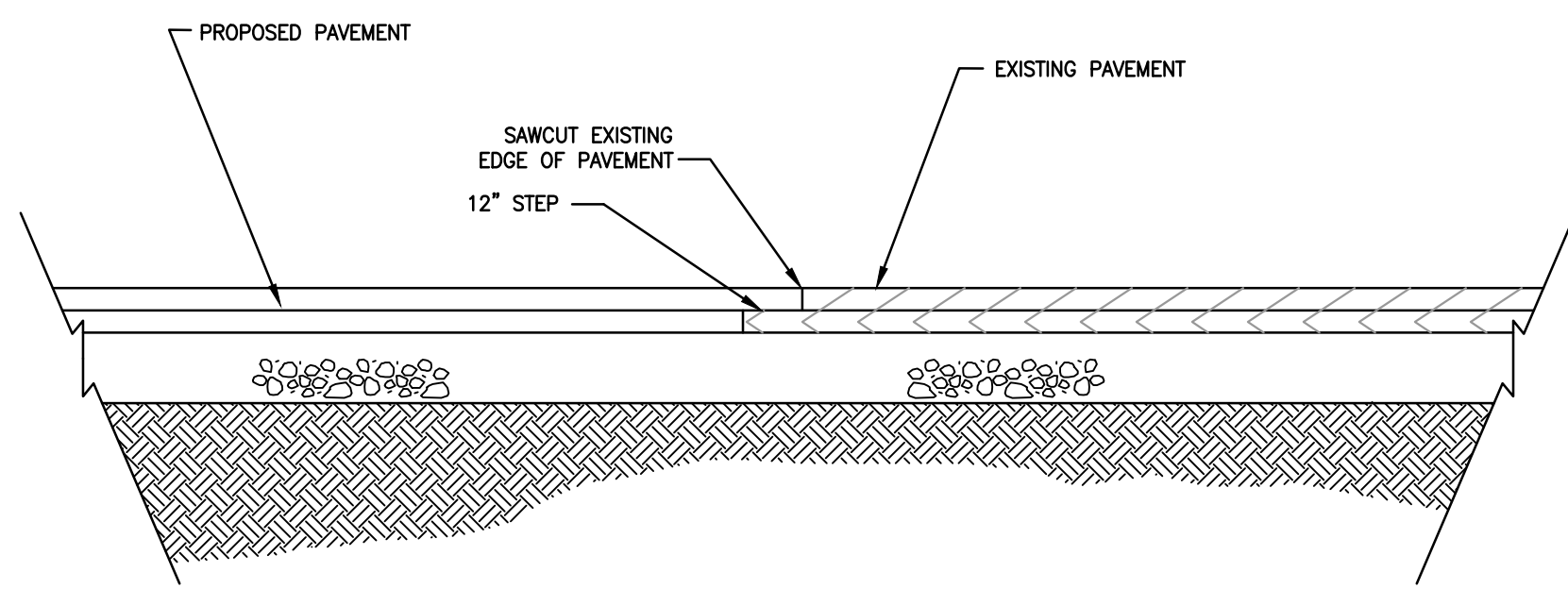
Arlington High School
Massachusetts Avenue, Arlington, Massachusetts
UTILITY PLAN D

C-4.4

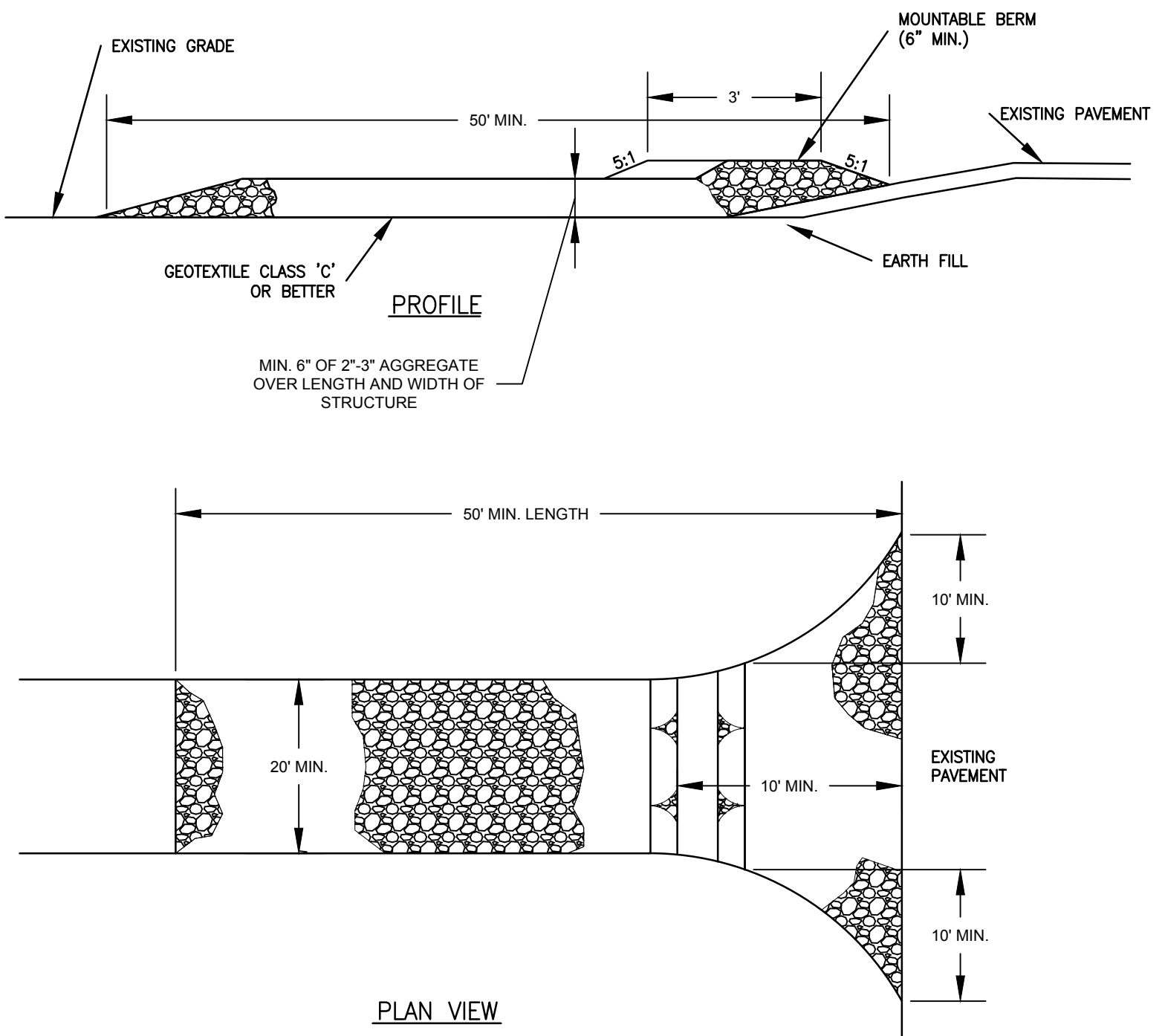
DATE: 05-07-2020
DRAWN BY: SM
CHECKED BY: SG



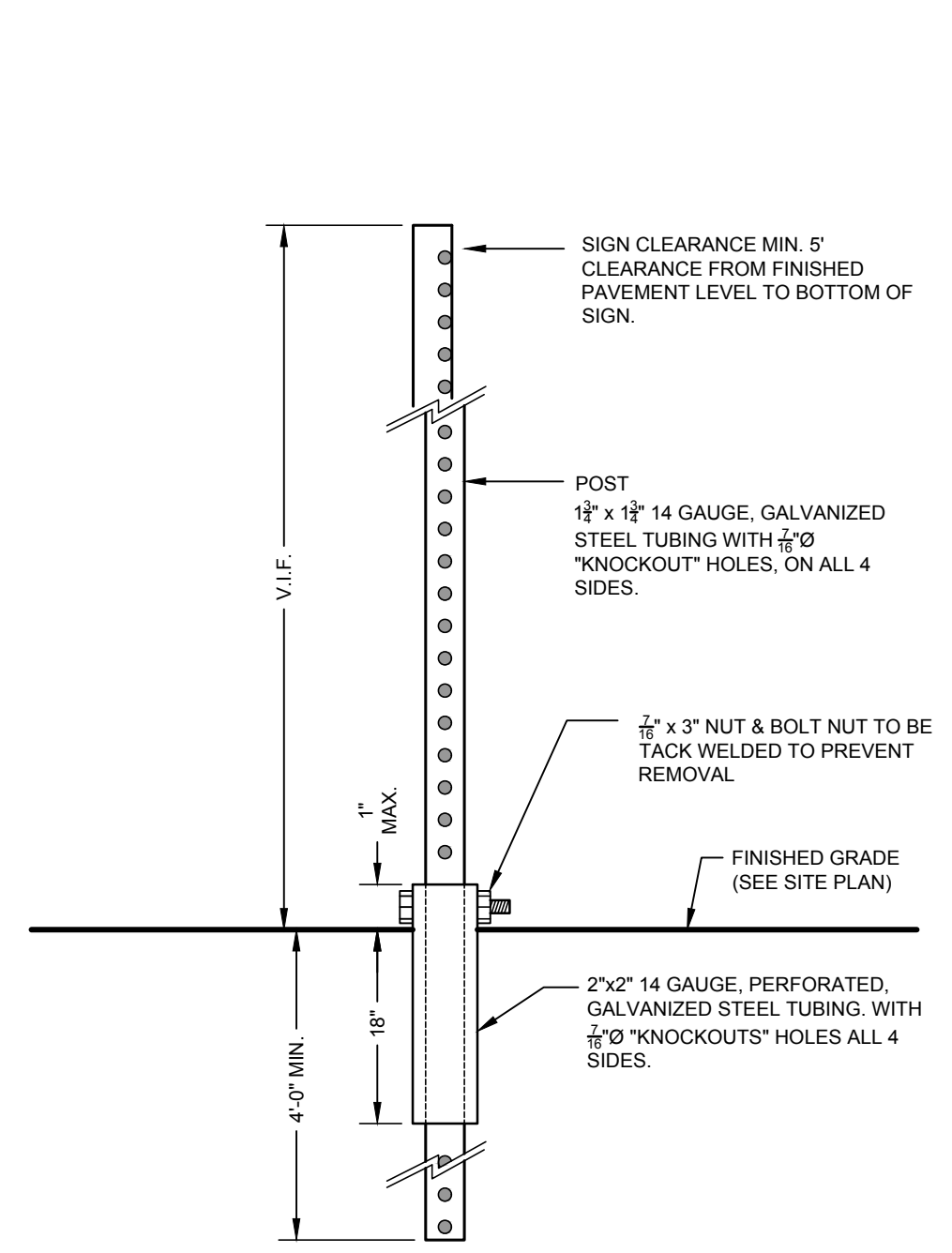
1 SILT FENCE
NTS



2 PAVEMENT KEY DETAIL
NTS



3 STABILIZED CONSTRUCTION ENTRANCE
NTS

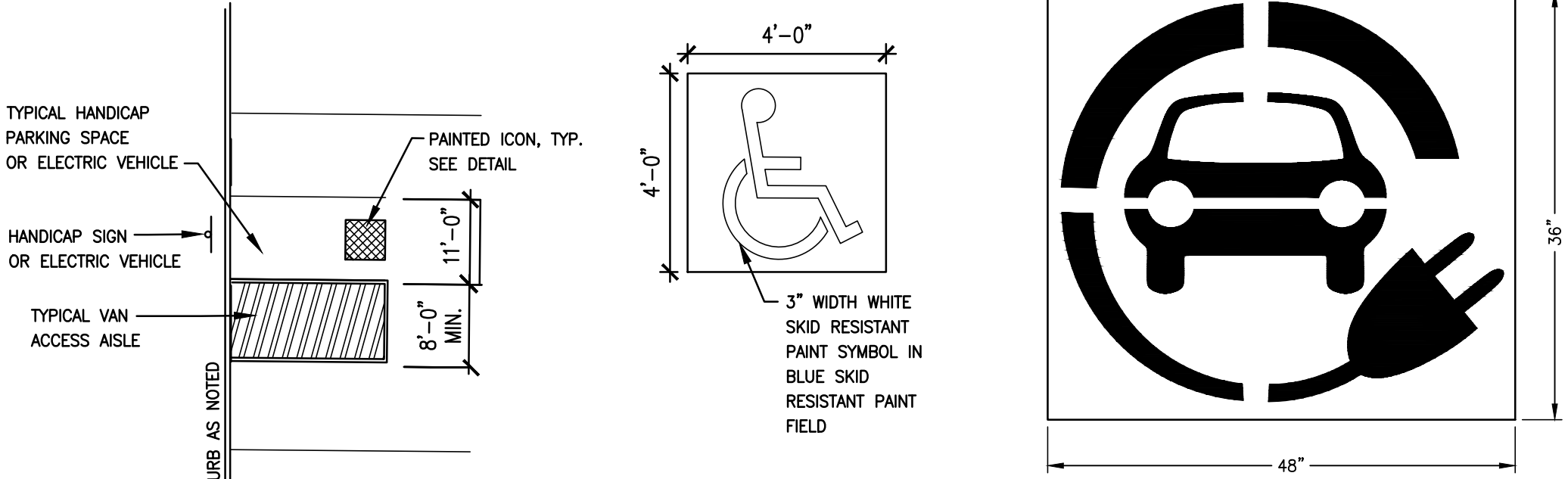


4 TELESCOPING-BREAKAWAY TRAFFIC SIGN POST
NTS

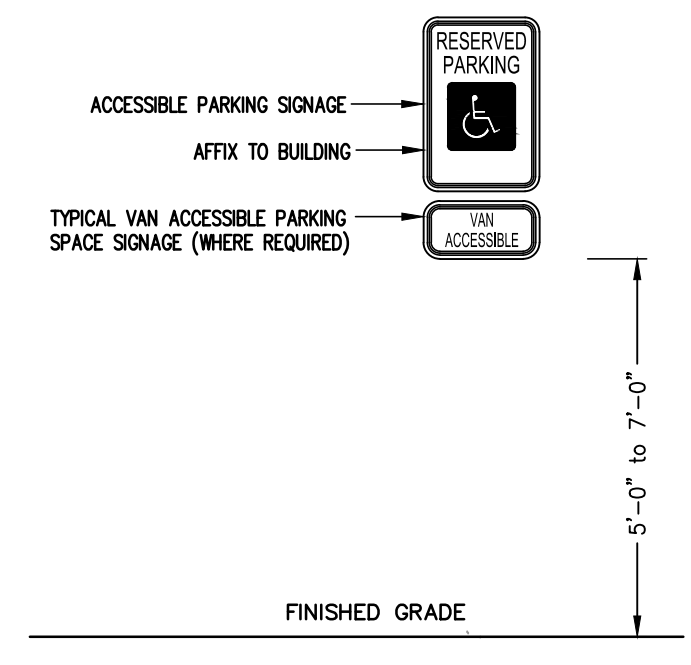
TRAFFIC CONTROL SIGNAGE SCHEDULE

TEXT	SEE MUTCD 2009 FOR TEXT DIMENSIONS AND COLORS	POST	18" x 18" 14 GAUGE GALVANIZED STEEL TUBING WITH #10 "KNOCKOUT" HOLES ON ALL 4 SIDES.	FINISHED GRADE (SEE SITE PLAN)	2 1/2" x 3" NUT & BOLT NUT TO BE TACK WELDED TO PREVENT REMOVAL.	2 1/2" x 14 GAUGE PERFORATED GALVANIZED STEEL TUBING WITH #10 "KNOCKOUTS" HOLES ALL 4 SIDES.	SIGN CLEARANCE MIN. 5' CLEARANCE FROM FINISHED PAVEMENT LEVEL TO BOTTOM OF SIGN.	RECESSED THREADED PLUG	FINISHED GRADE	CI RISER	PVC BEND	PVC PIPE	PVC 45° LATERAL	INVERT	FLOW
R1-1	30"	30"	5.18	STOP	3	15.54									
R7-8	12"	18"	1.50	RESERVED PARKING	3	4.50									
R7-8P	18"	9"	1.13	VAN ACCESSIBLE	1	1.13									
R5-1	30"	30"	6.25	NO ENTRY	1	6.25									
W11A-2	30"	30"	3.13	WALKING	1	3.13									
W16-7P	24"	12"	2.00	ARROW	1	2.00									

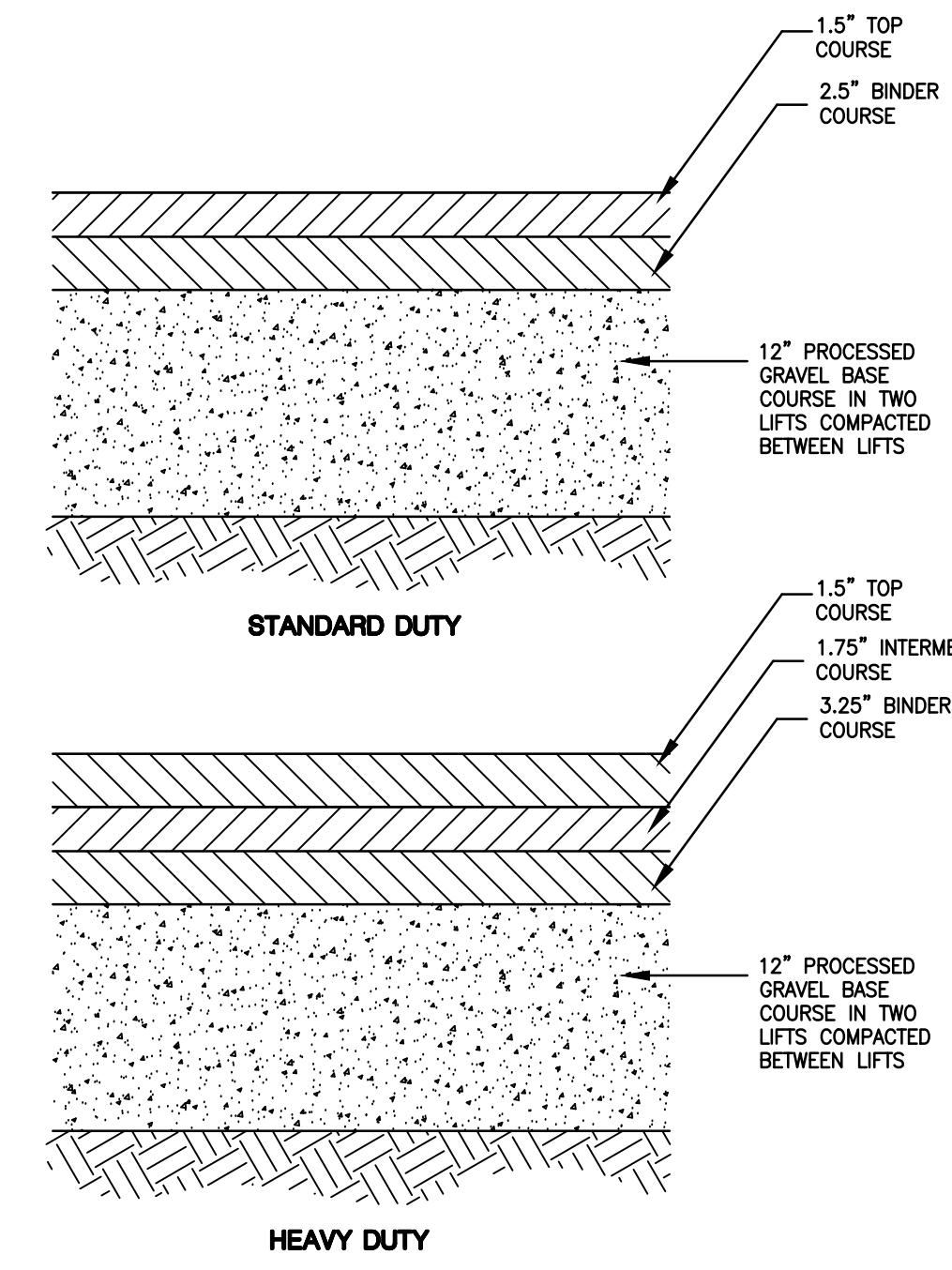
5 SIGNAGE CHART
NTS



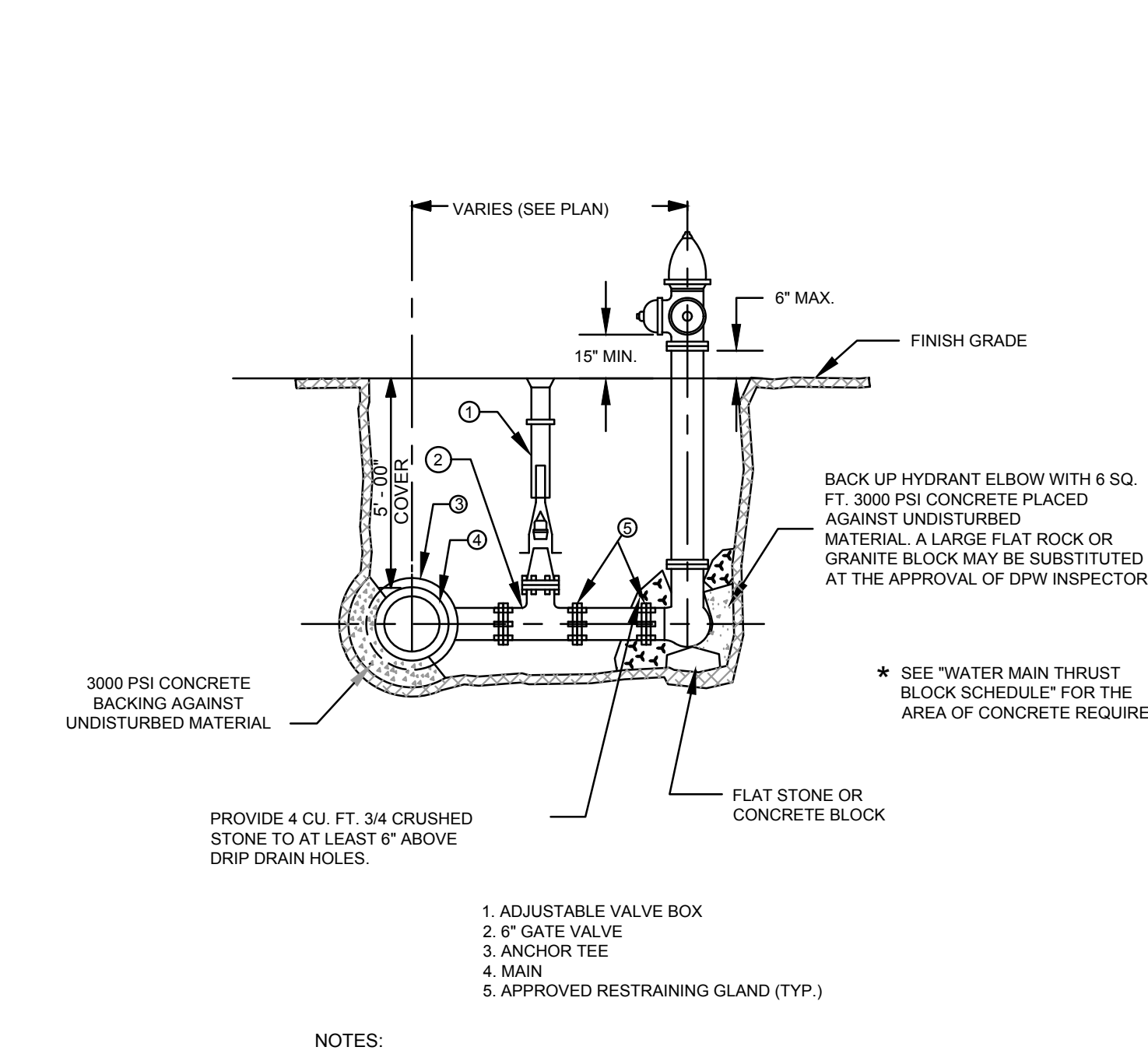
6 PAVEMENT MARKING DETAIL
NTS



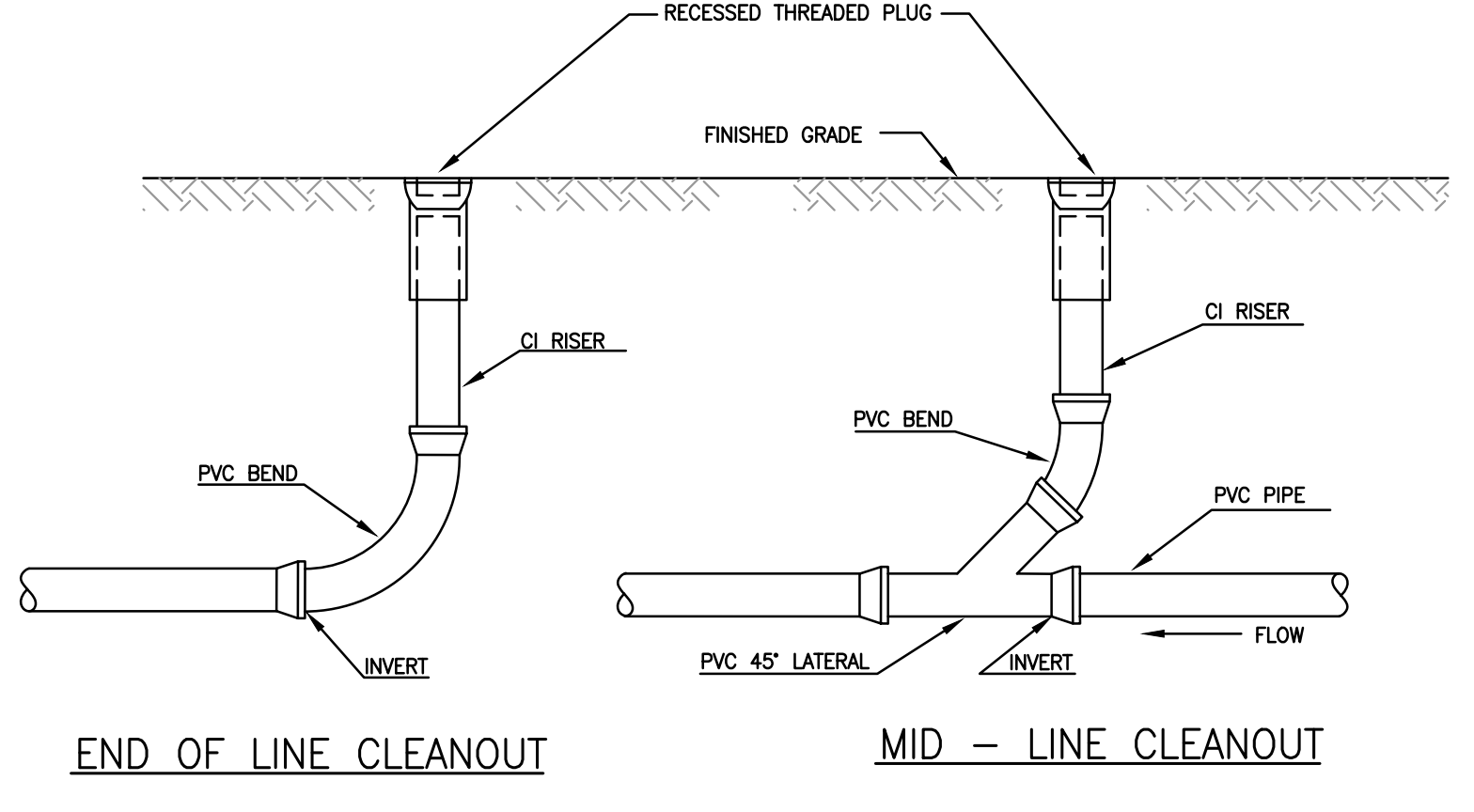
7 GROUND MOUNTED SIGNAGE
NTS



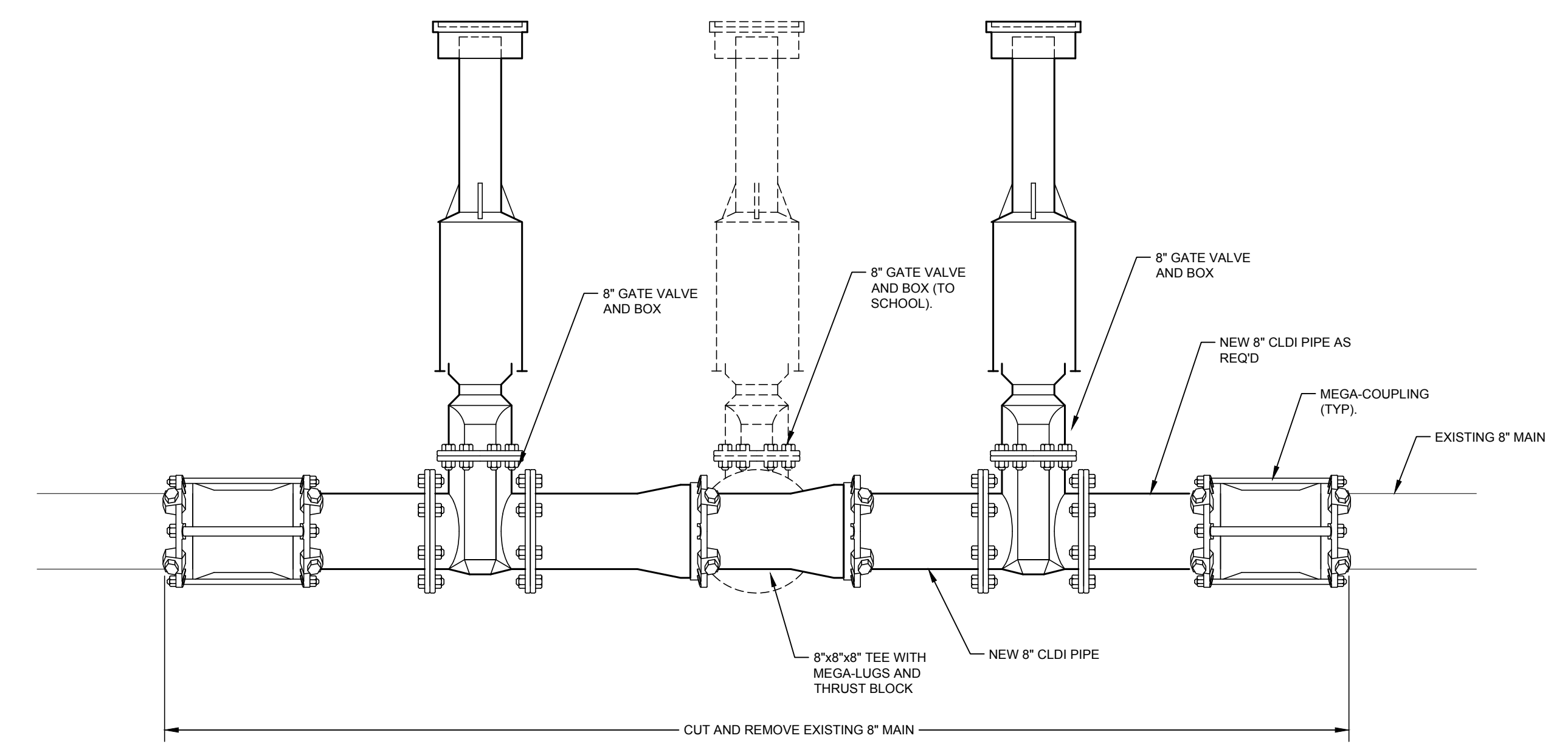
8 BITUMINOUS PAVEMENT
NTS



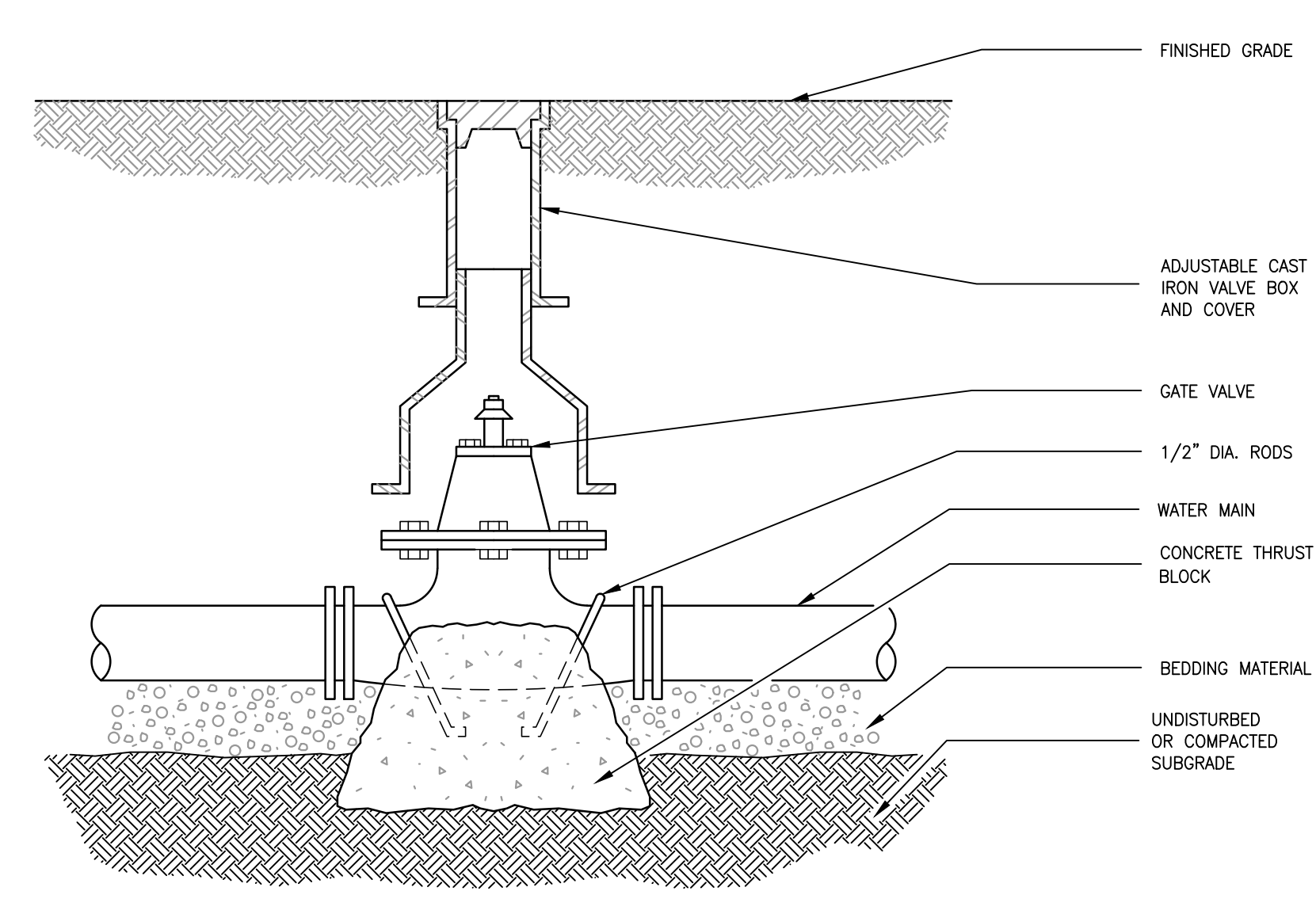
9 HYDRANT DETAIL
NTS



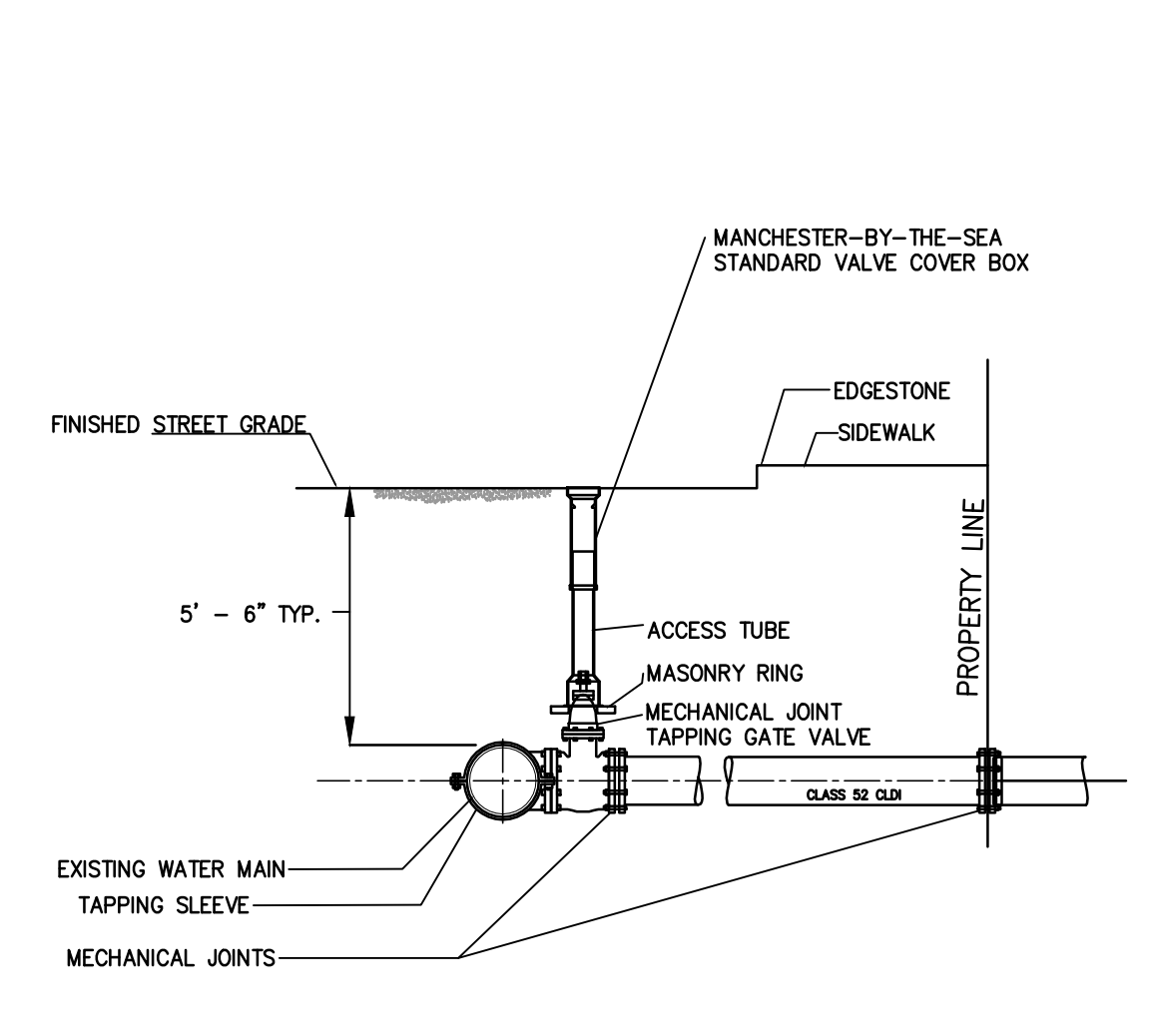
10 CLEANOUT
NTS



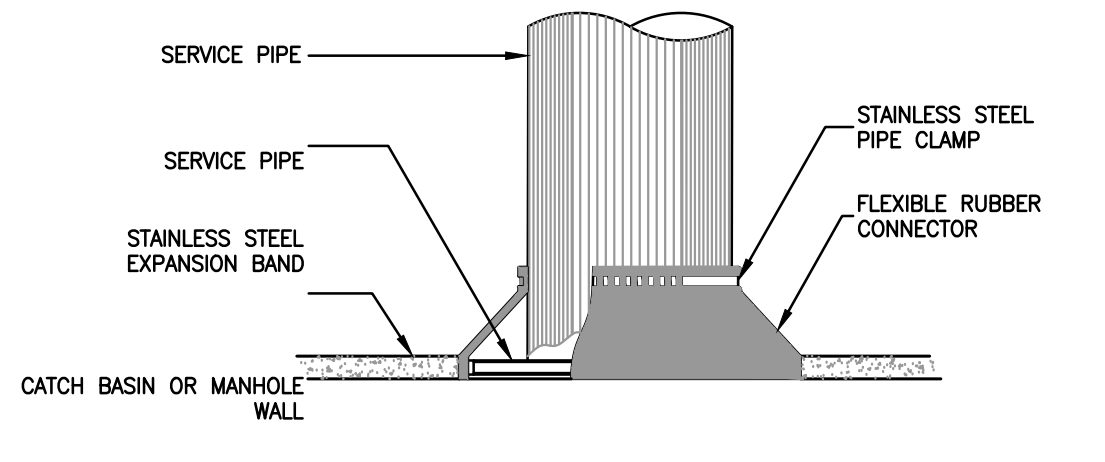
11 WATER MAIN CUT IN DETAIL (SECTION)
NTS



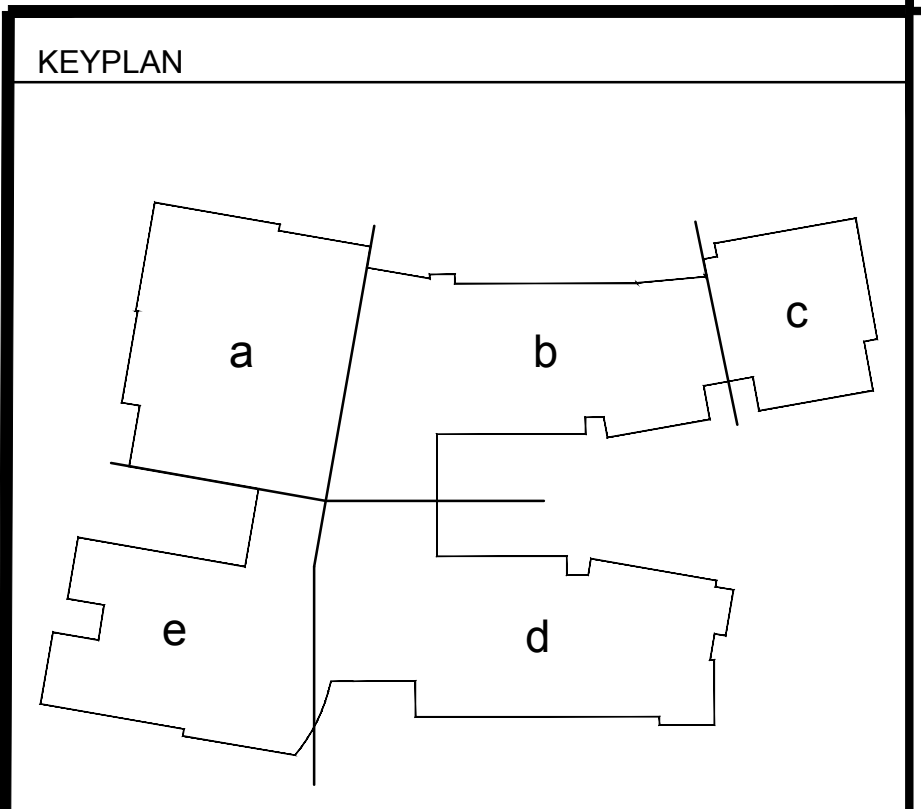
12 GATE VALVE AND BOX
NTS



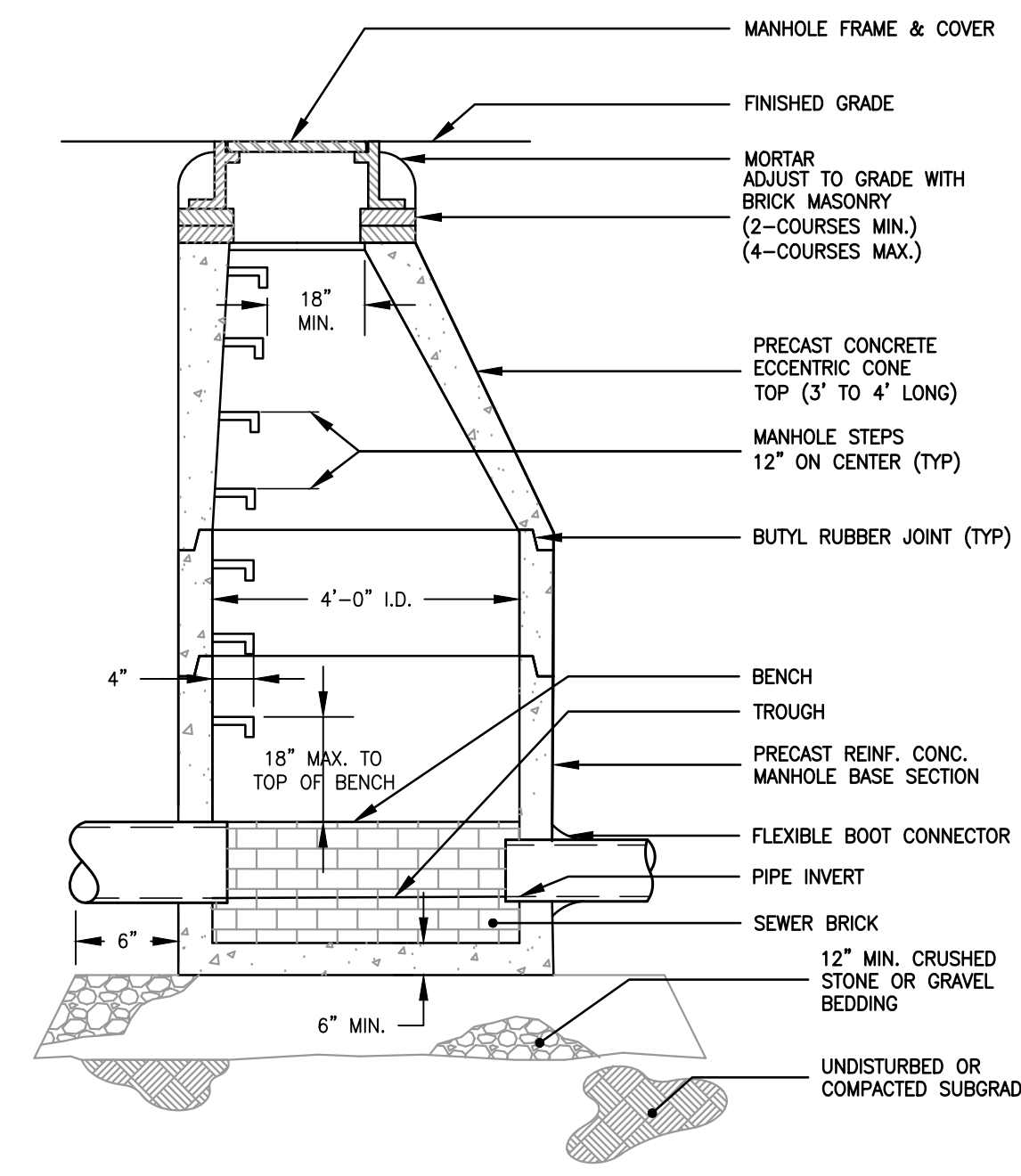
13 TAPPING SLEEVE AND GRATE VALVE 6/8"
NTS



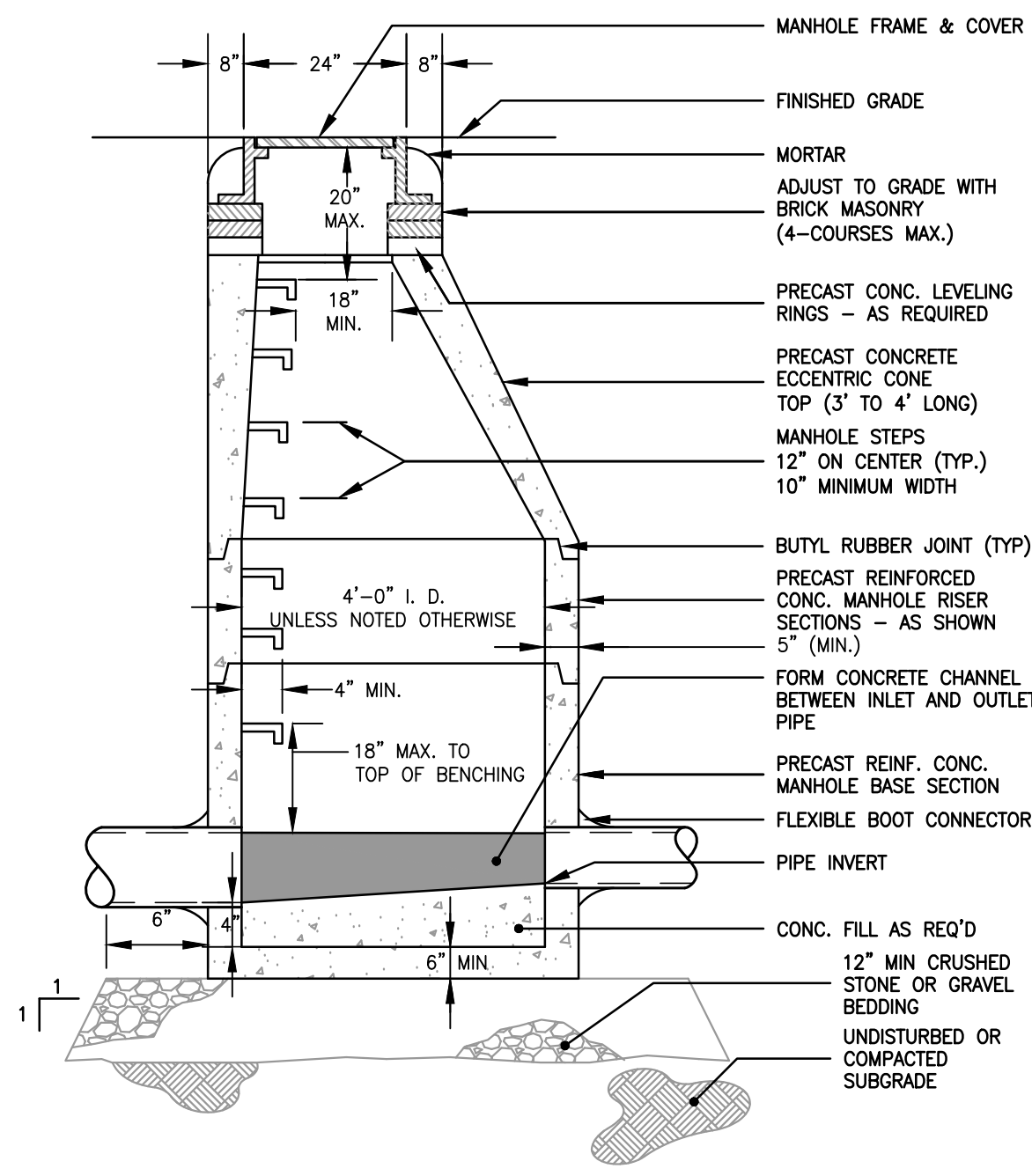
14 PIPE CONNECTION TO MANHOLE
NTS



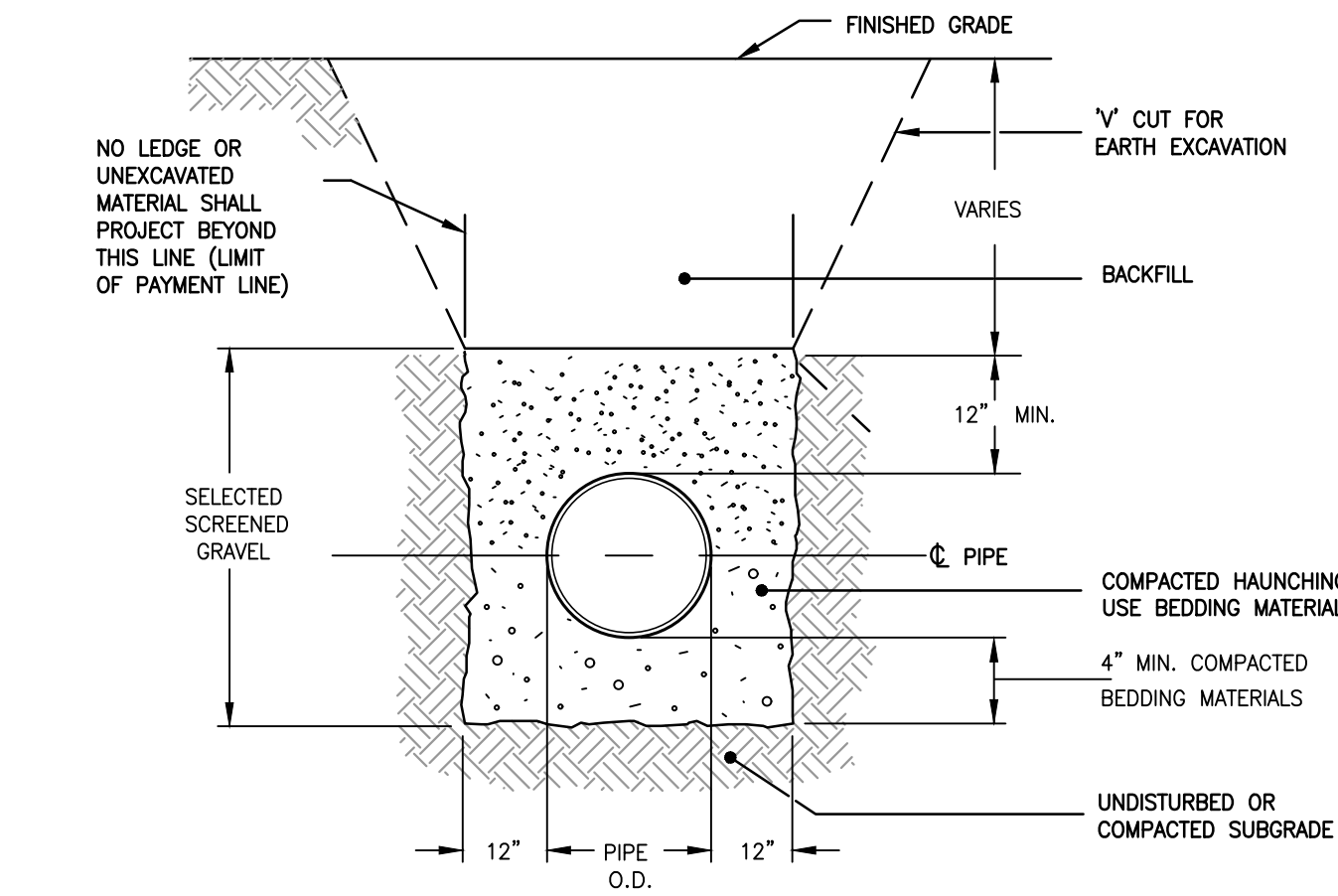
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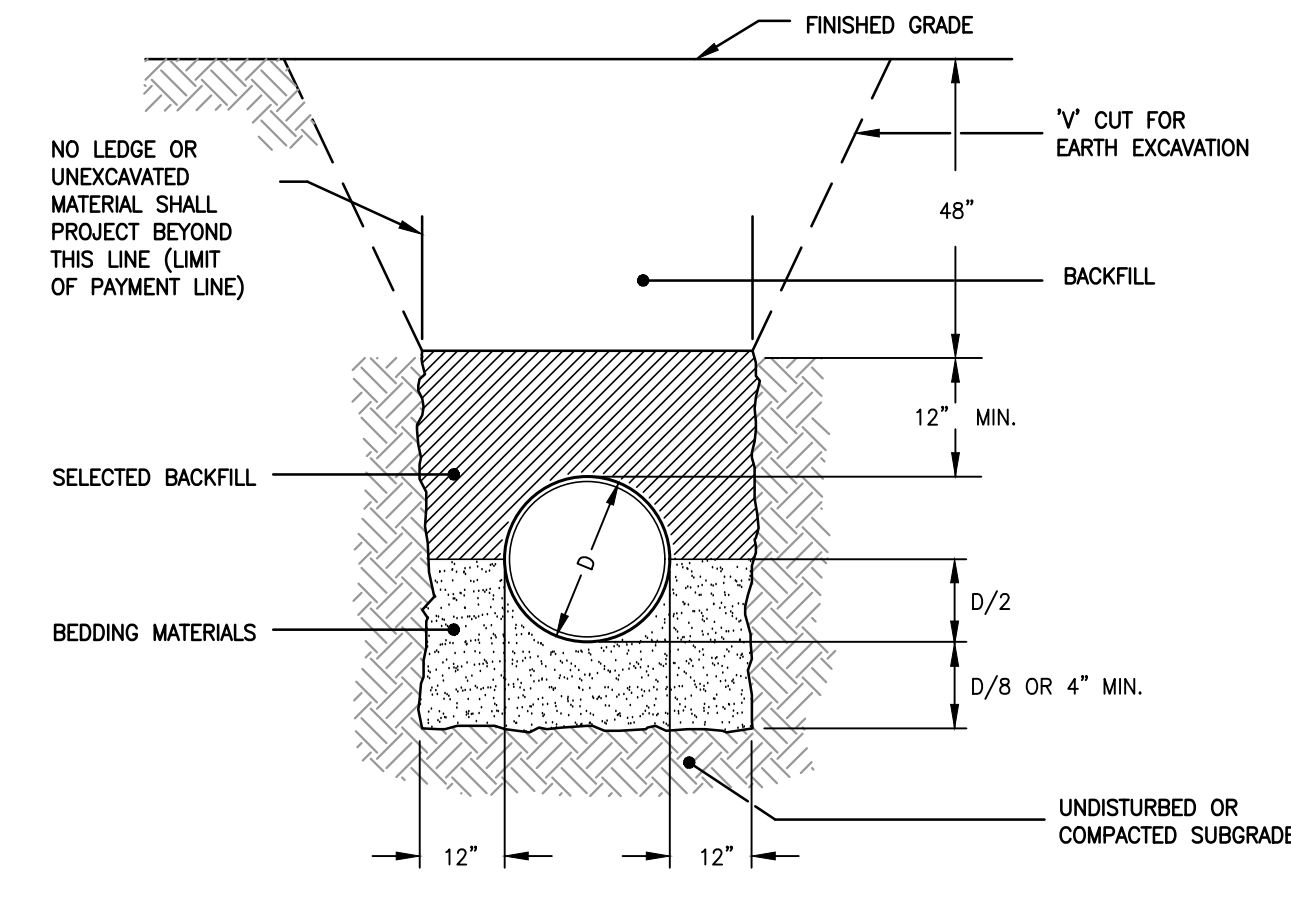
1 PRECAST SANITARY MANHOLE
NTS



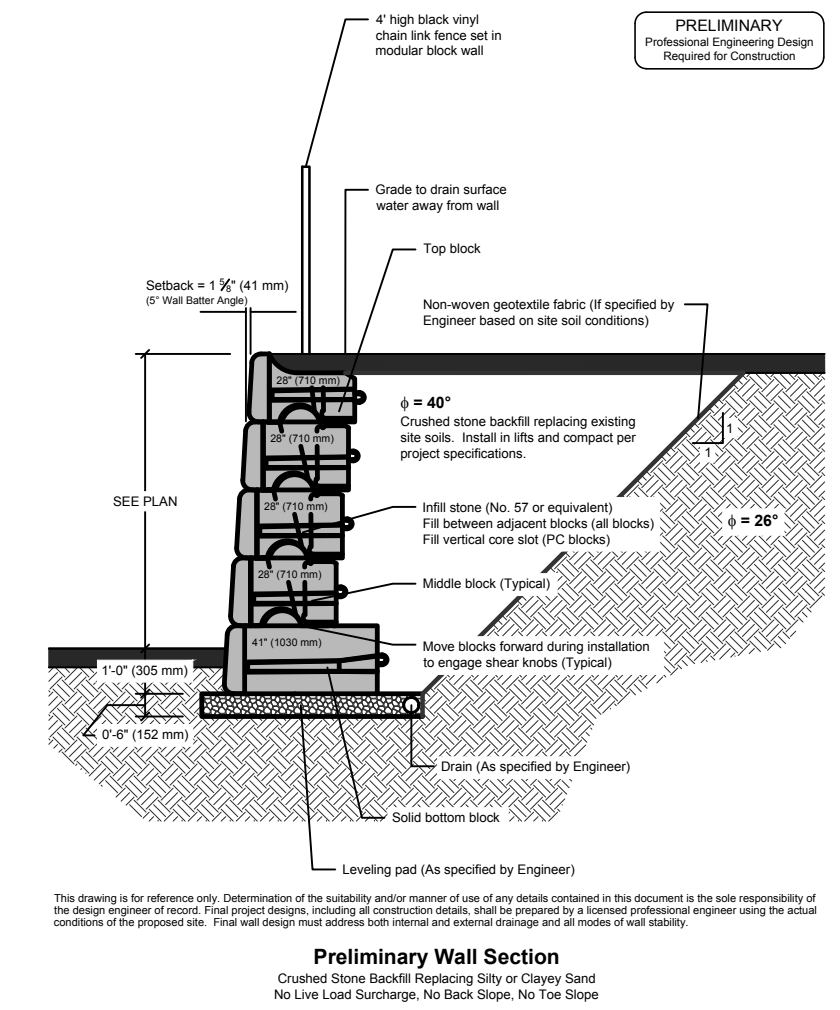
2 PRECAST STORM DRAIN MANHOLE
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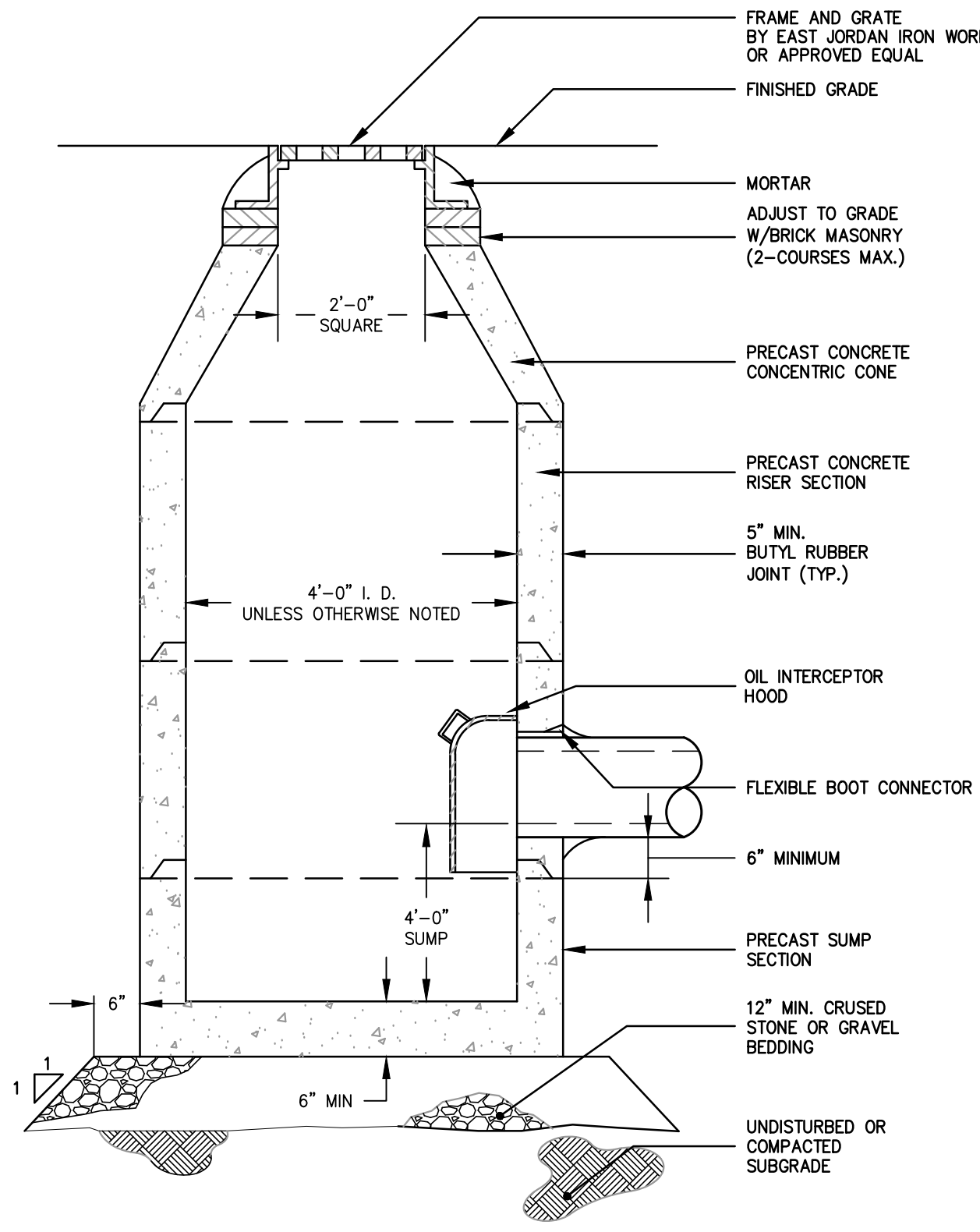
3 TRENCH SECTION - HDPE/PVC/CI GRAVITY PIPE
NTS



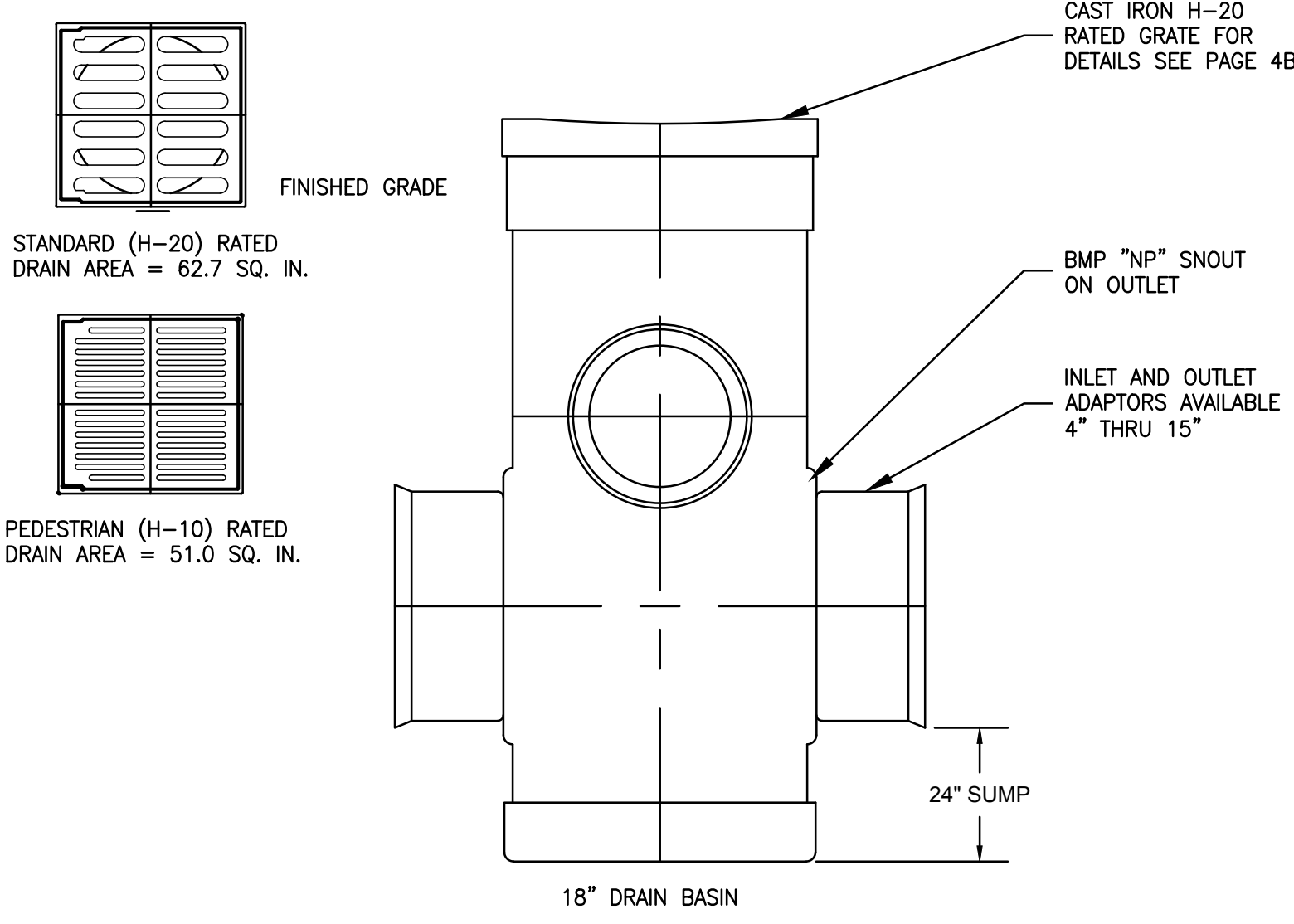
4 TRENCH SECTION - C.L.D.I. WATER PIPE
NTS



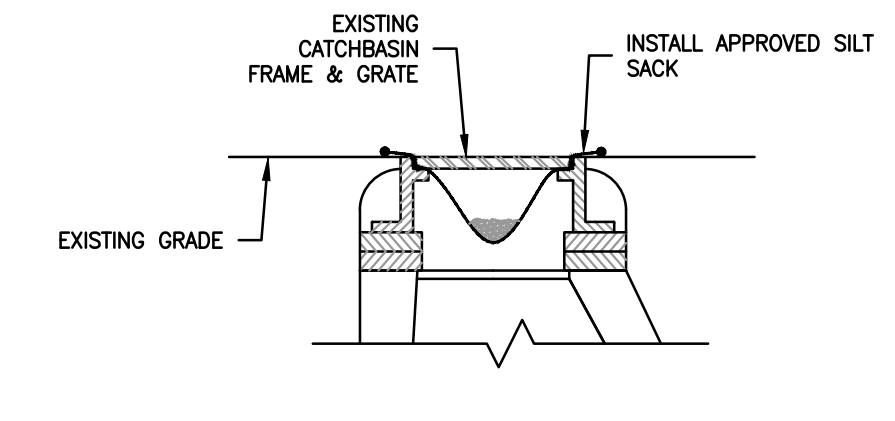
5 MODULAR BLOCK RETAINING WALL
NTS



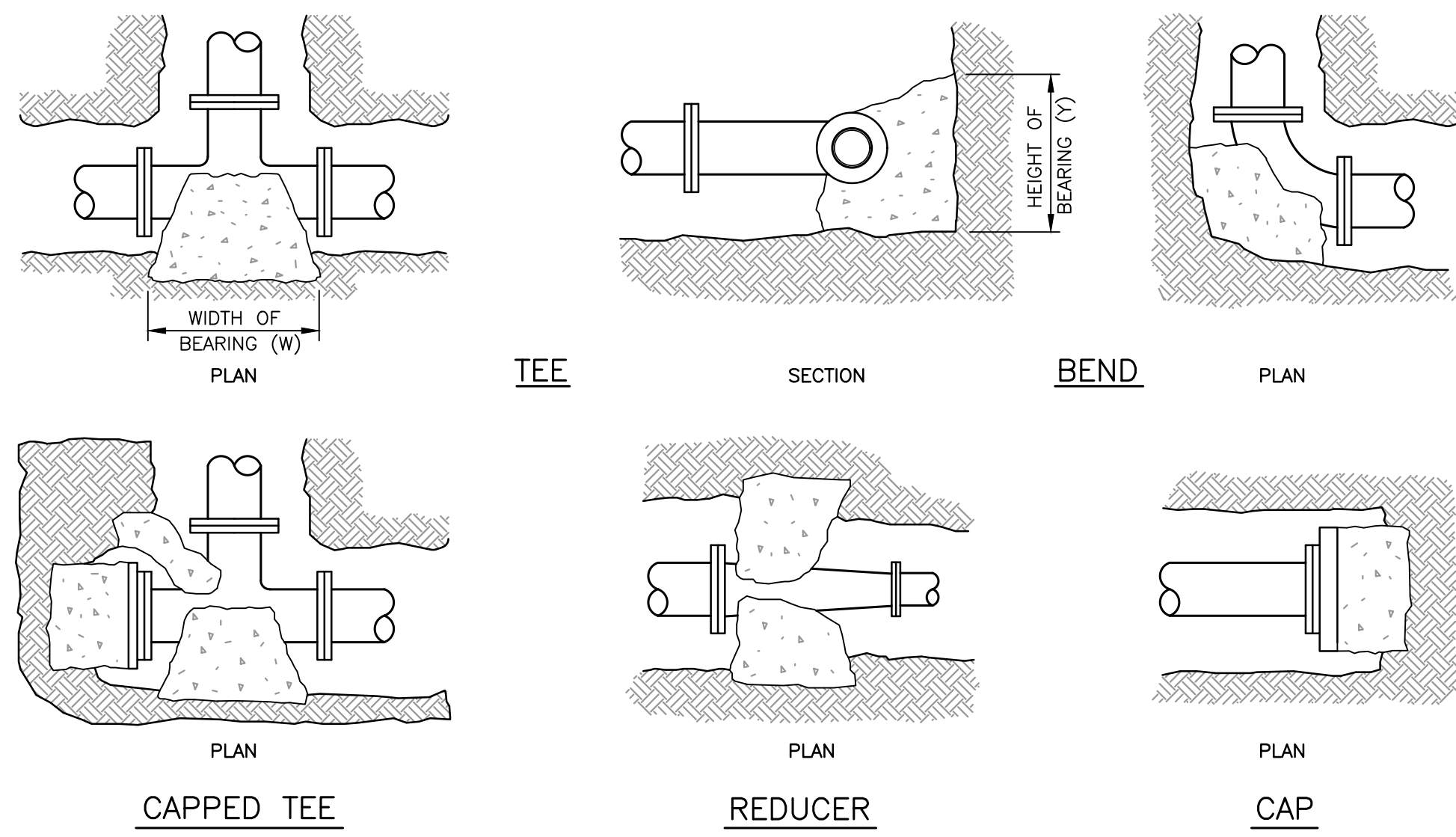
6 CATCH BASIN
NTS



7 AREA DRAIN
NTS



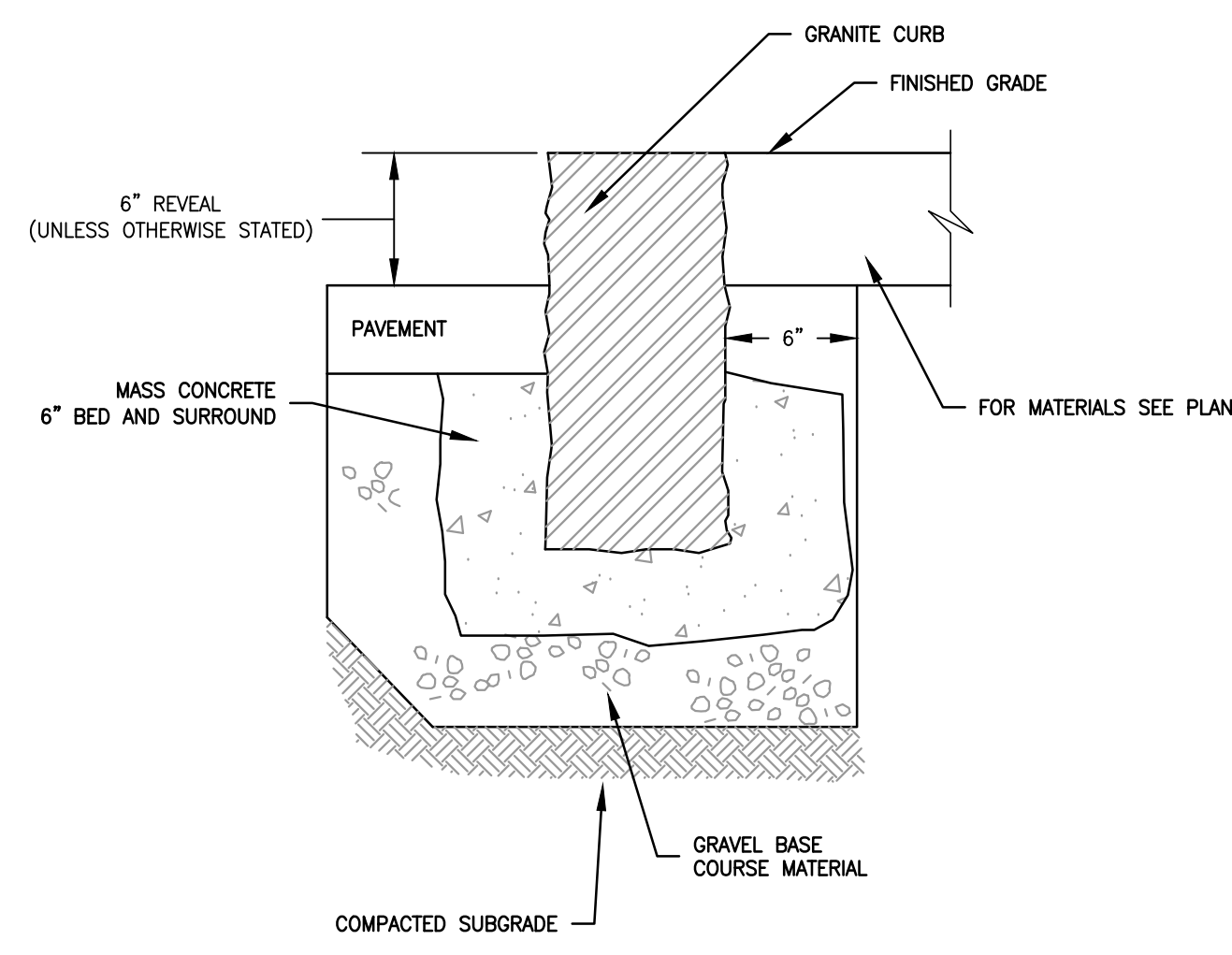
8 CATCHBASIN W/ SILT SACK
NTS



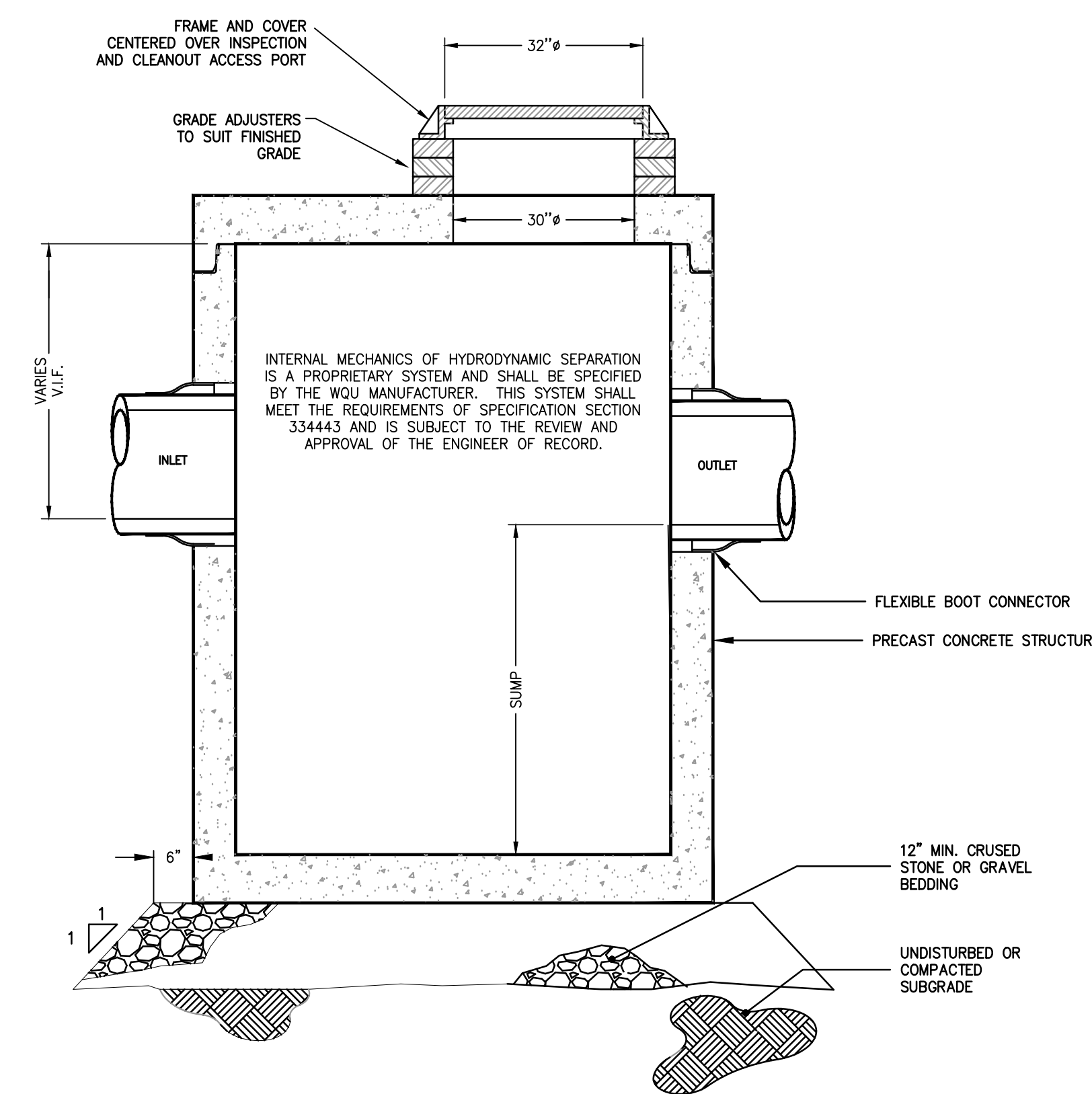
PIPE SIZE	WATER PIPE	
	TEE, DEAD END, 90° BEND	45° & 22-1/2° BENDS
4" OR LESS	3 SQ. FEET	3 SQ. FEET
6"	4 SQ. FEET	3 SQ. FEET
8"	6 SQ. FEET	3 SQ. FEET
10"	9 SQ. FEET	5 SQ. FEET
12"	13 SQ. FEET	7 SQ. FEET
16"	23 SQ. FEET	12 SQ. FEET

- THRUST BLOCKS TO EXTEND TO UNDISTURBED GROUND.
- ALL CONCRETE SHALL BE CLASS B.
- TABLE IS BASED ON 3000 LB./SQ. FT. SOIL. IF SOIL CONDITIONS ARE FOUND TO INDICATE SOIL BEARING LESS, THE AREAS SHALL BE INCREASED ACCORDINGLY.
- AREAS FOR PIPES GREATER THAN 16" SHALL BE CALCULATED FOR EACH PROJECT.
- FOR ALL NON BEARING VERTICAL SURFACES.

9 THRUST BLOCKS (WATER SYSTEM)
NTS



9 VERTICAL GRANITE CURB
NTS



10 WATER QUALITY UNIT
NTS

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