

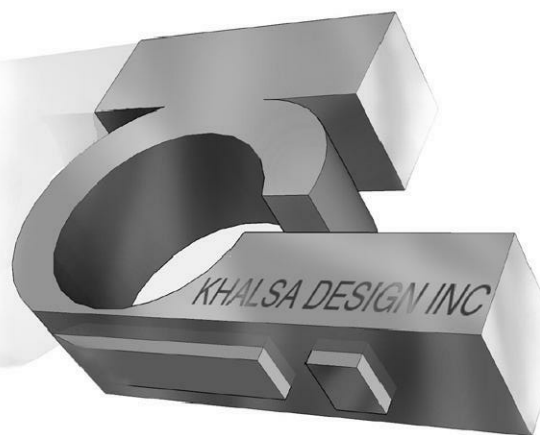
PROJECT NAME

40 PITMAN ST

PROJECT ADDRESS
40 PITMAN ST
SOMERVILLE MA

CLIENT

ARCHITECT
KHALSA DESIGN INC.



17 WALDO STREET SUITE 400
SOMERVILLE, MA 02143
TELEPHONE: 617-591-4862 FAX: 617-591-2086

CONSULTANTS:
CEK DESIGN GROUP
30 BAY ROAD
EASTON, MA

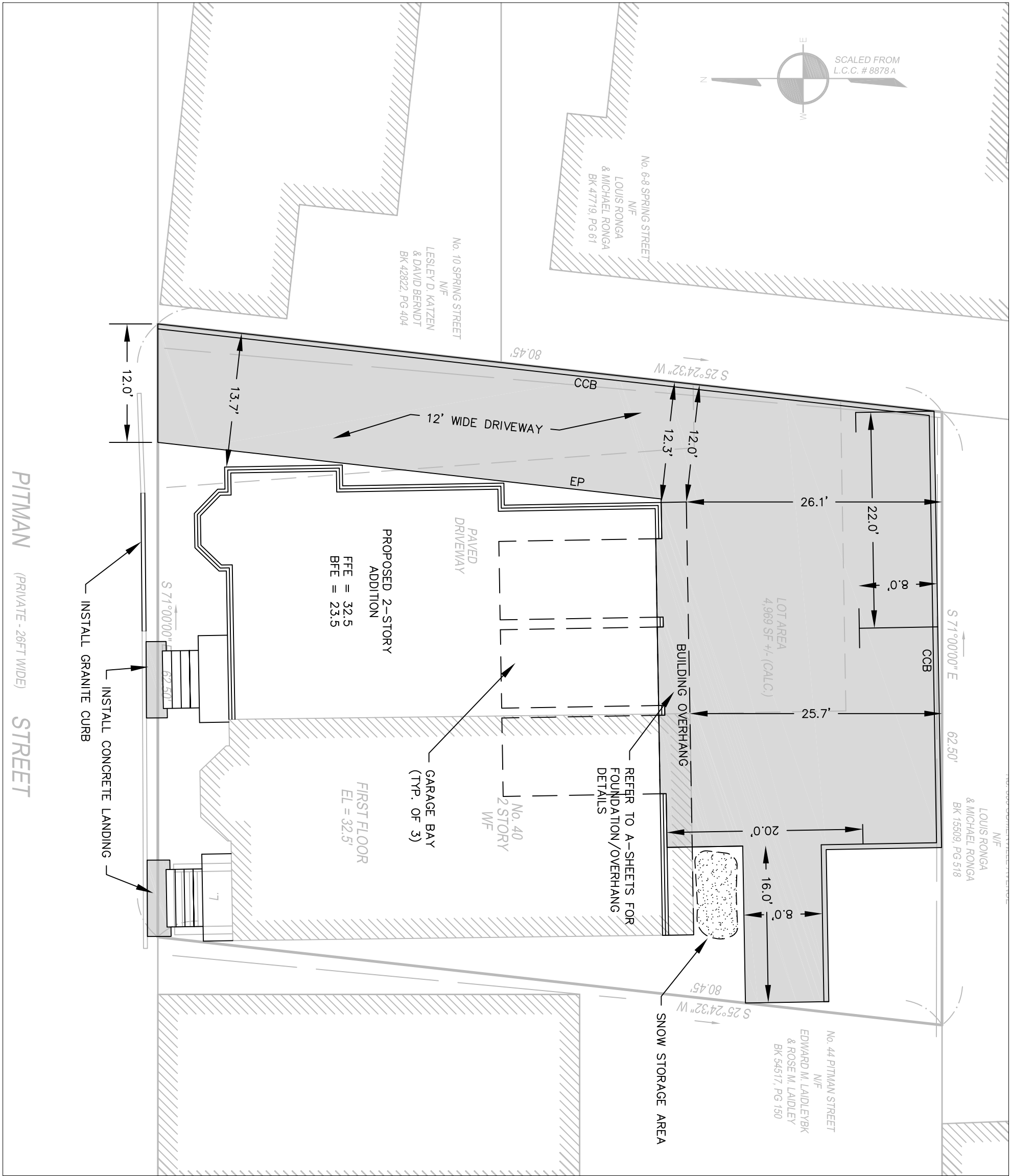
REGISTRATION

Project number	13087	
Date	1-21-14	
Drawn by	ACE	
Checked by	ZHK	
Scale	1"=10'	
REVISIONS		
No.	Description	Date
1		9/4/14

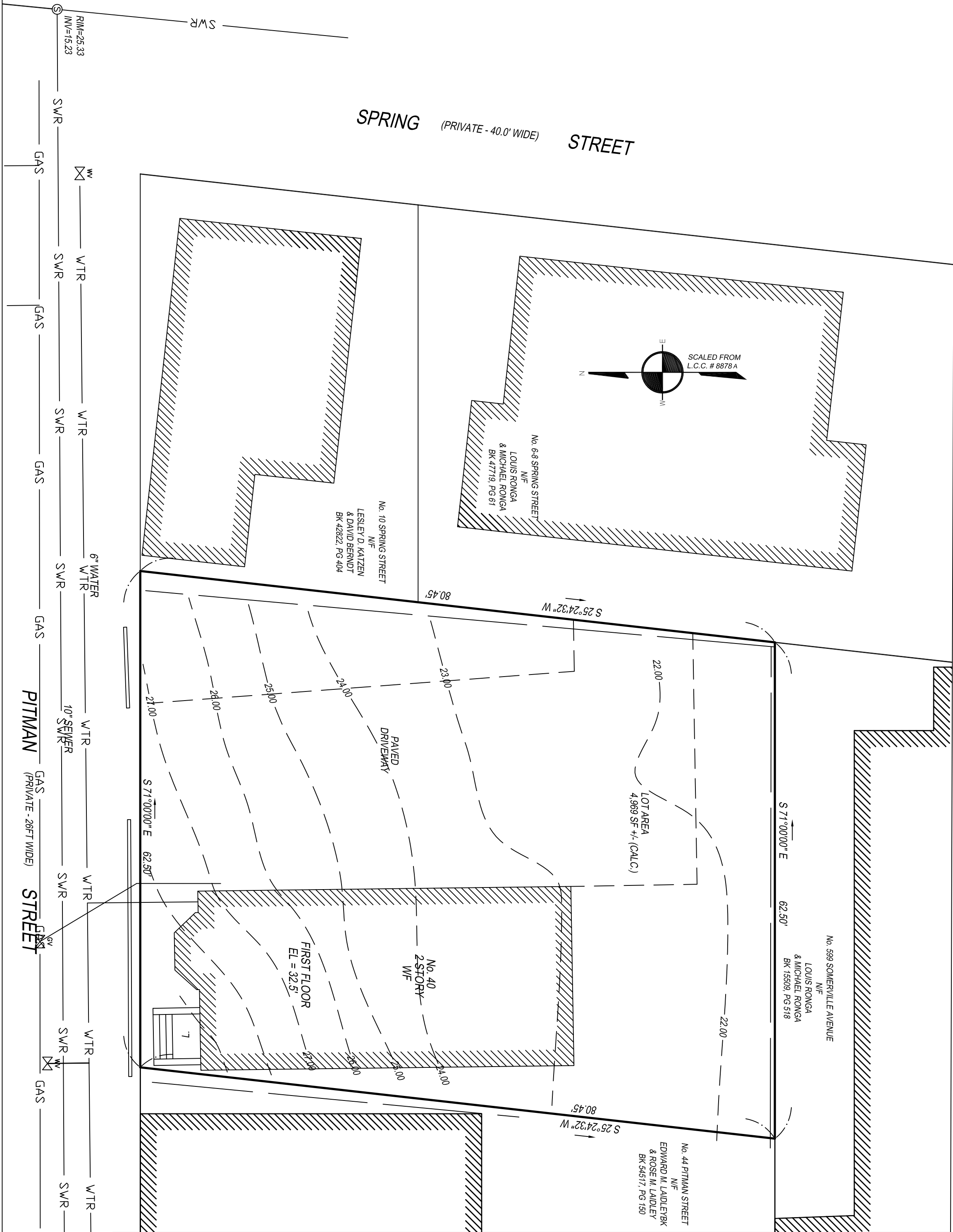
Site Layout,
Grading & Utility
Plans

C-100

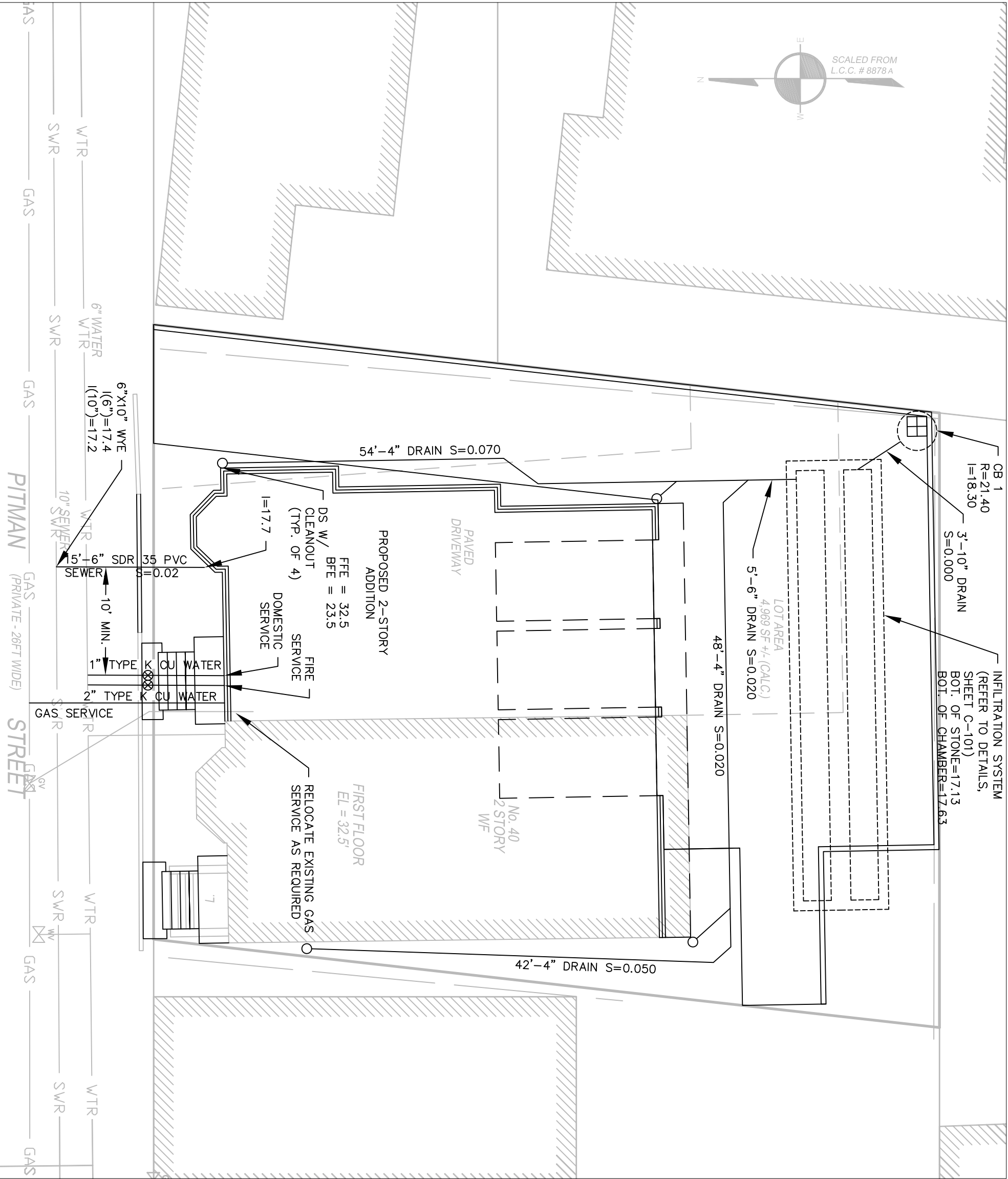
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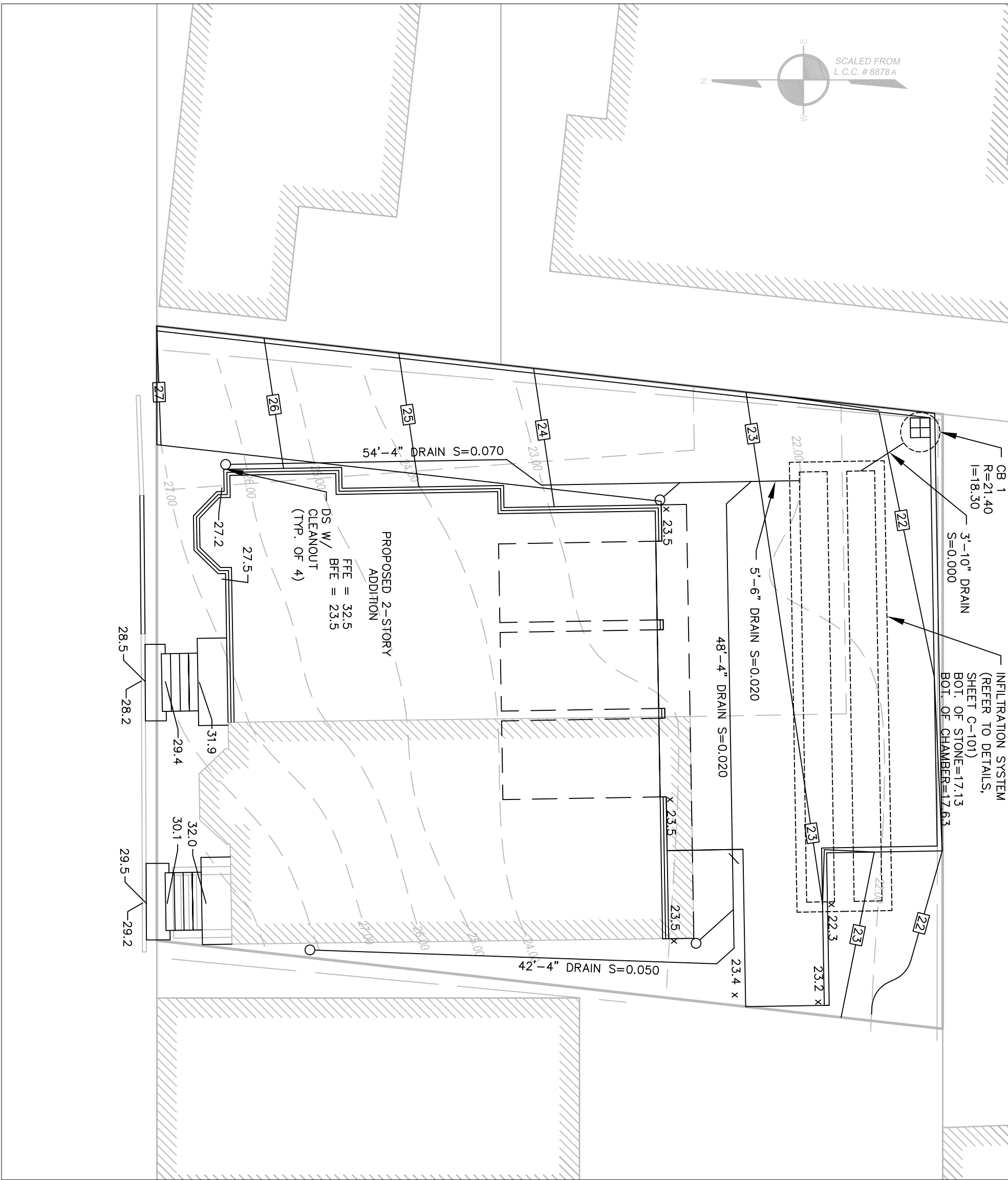
SITE LAYOUT PLAN



EXISTING CONDITIONS PLAN



SITE UTILITIES PLAN

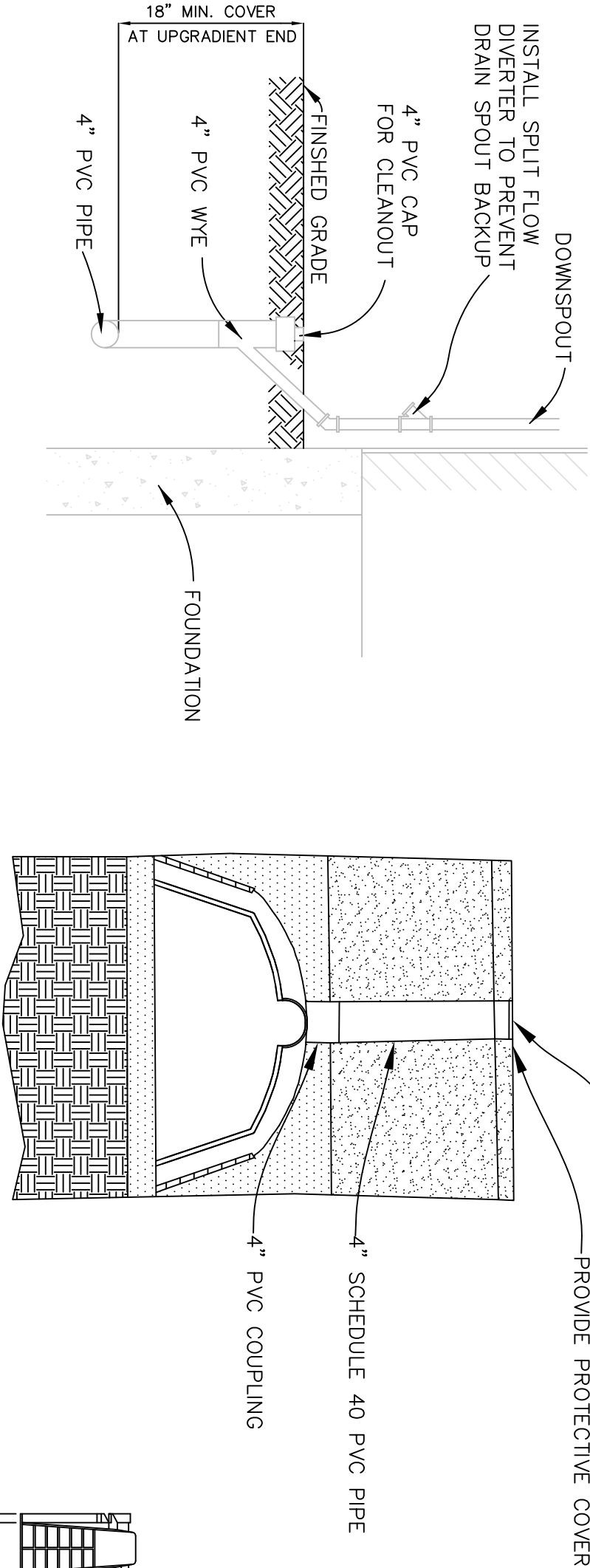


GRADING AND DRAINAGE PLAN

- NOTES:
1. EXISTING CONDITIONS PLAN PREPARED BY BOSTON SURVEY, INC. AND IS TAKEN FROM AN INSTRUMENT SURVEY ON THE GROUND BETWEEN THE DATES OF MARCH 28, 2011 AND DECEMBER 19, 2013. VERTICAL DATUM: NAVD83
 2. REFER TO A-SHEETS FOR FOUNDATION DIMENSIONS OF PROPOSED ADDITION.
 3. REFER TO SHEET L-100 FOR ALL LANDSCAPING DETAILS.
 4. FIRE SERVICE SIZE TO BE DETERMINED BY FIRE PROTECTION ENGINEER.
 5. THESE PLANS ARE SCHEMATIC IN NATURE AND ARE NOT FOR CONSTRUCTION PURPOSES.

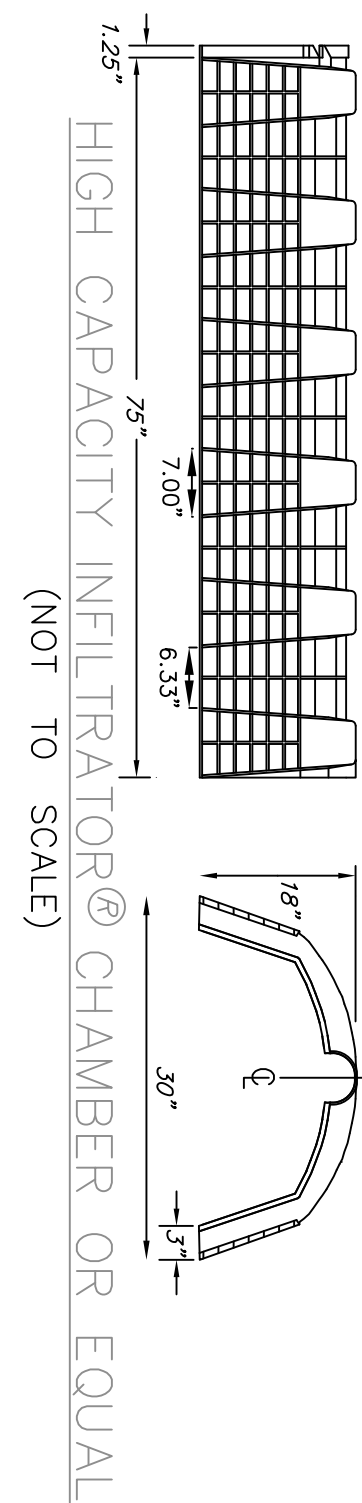
LEGEND:

- ⊗ BWSH HANDHOLE
- ⊙ CATCH BASIN
- ⊖ DRAIN MANHOLE
- ⊕ ELECTRIC MANHOLE
- ⊗ ELECTRIC HANDHOLE
- ⊖ GAS GATE
- ⊕ HYDRANT
- ⊗ LIGHT POLE
- ⊙ SEWER MANHOLE
- ⊖ UTILITY POLE
- ⊕ WATER GATE
- ⊗ BOTTOM BELL
- ⊙ DRILL HOLE
- ⊖ FOUND
- ⊕ INVERT
- ⊗ MAPLE
- ⊙ OAK
- ⊖ RIM
- ⊕ STONE ROUND
- ⊗ VERTICAL GRANITE CURB



DOWNSPOUT (DS) DETAIL
NOT TO SCALE

INSPECTION PORT DETAIL
(NOT TO SCALE)



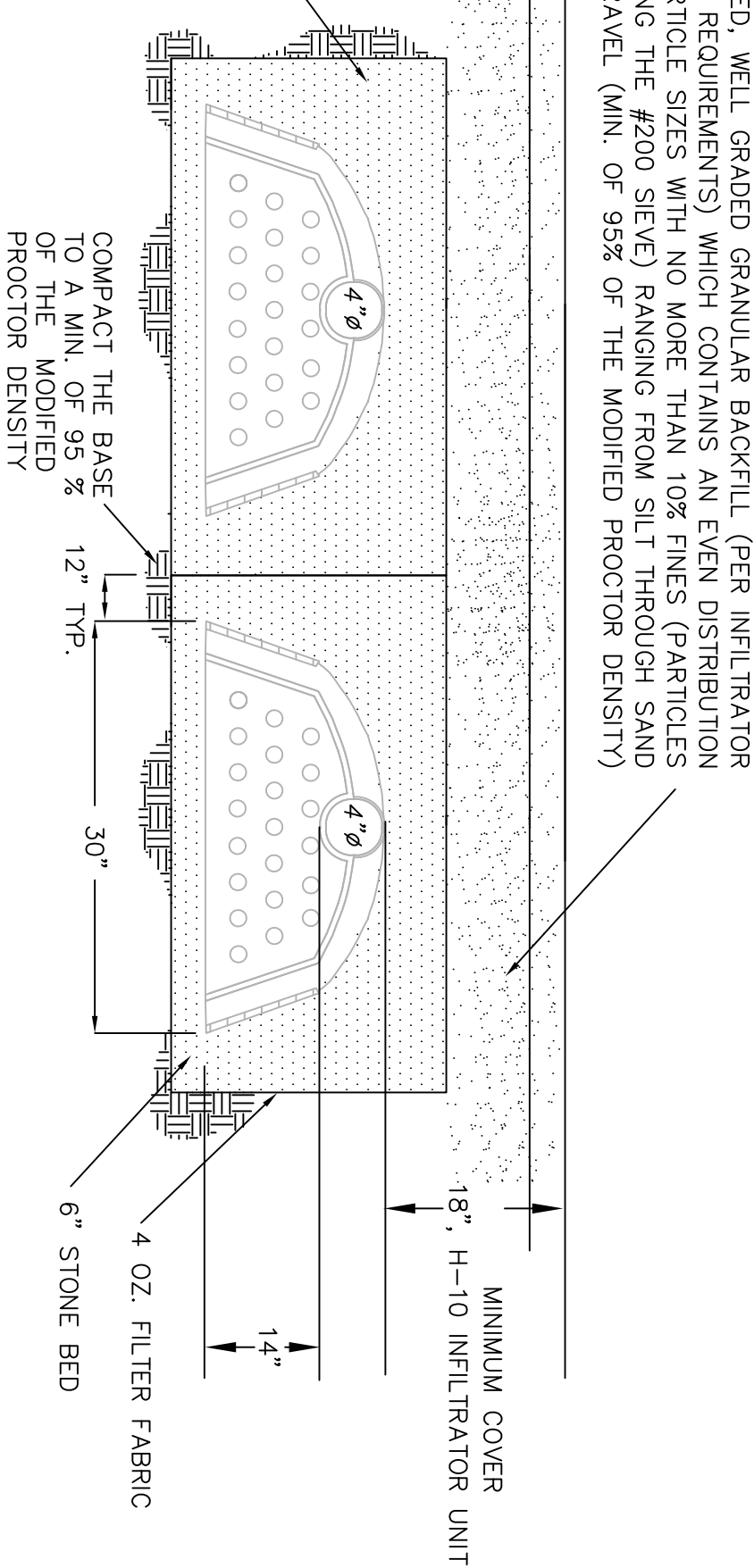
HIGH CAPACITY INFILTRATOR CHAMBER OR EQUAL
(NOT TO SCALE)

- INFILTRATOR CHAMBER NOTES:
1. REFER TO STORMWATER MEMORANDUM FOR BASIS OF DESIGN.
 2. OVERALL DIMENSIONS OF STONE IS 45.75" X 9.67".
 3. CHAMBER SHALL BE CULTEC 150 OR ENGINEER APPROVED EQUAL.

COMPACTED, WELL GRADED GRANULAR BACKFILL (PER INFILTRATOR SYSTEMS' REQUIREMENTS) WHICH CONTAINS AN EVEN DISTRIBUTION OF PARTICLE SIZES WITH NO MORE THAN 10% FINES (PARTICLES PASSING THE #200 SIEVE) RANGING FROM SILT THROUGH SAND TO GRAVEL (MIN. OF 95% OF THE MODIFIED PROCTOR DENSITY)

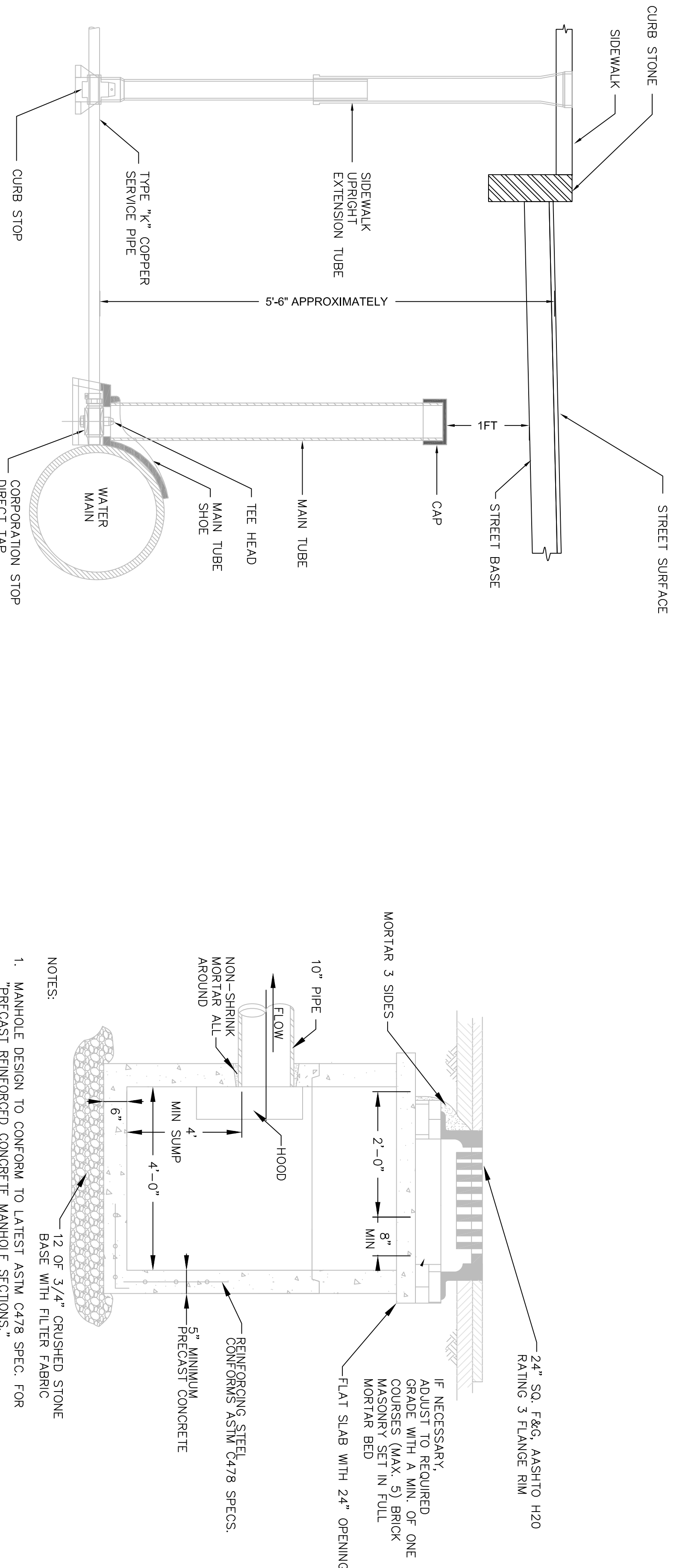
1.5'-2" WASHED CRUSHED STONE

GEOSGRID 9151 14,000 OR TENSAR BX100. GEOSGRID MUST EXTEND 5' BEYOND THE FOOTPRINT OF THE CHAMBERS.

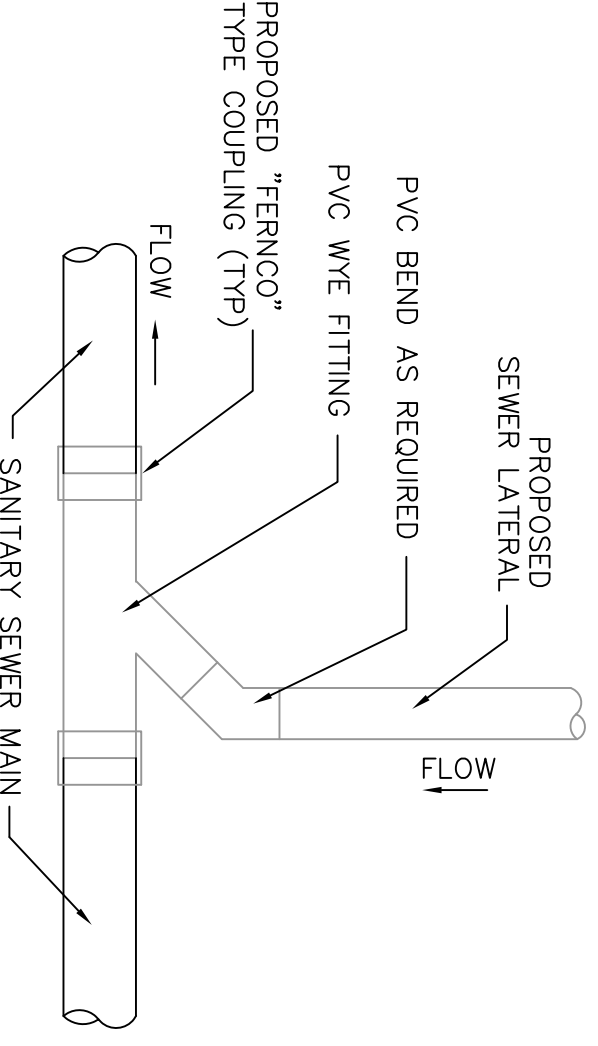


HIGH-CAPACITY INFILTRATOR CHAMBER OR EQUAL H-20 LOADING
TYPICAL CROSS SECTION
(NOT TO SCALE)

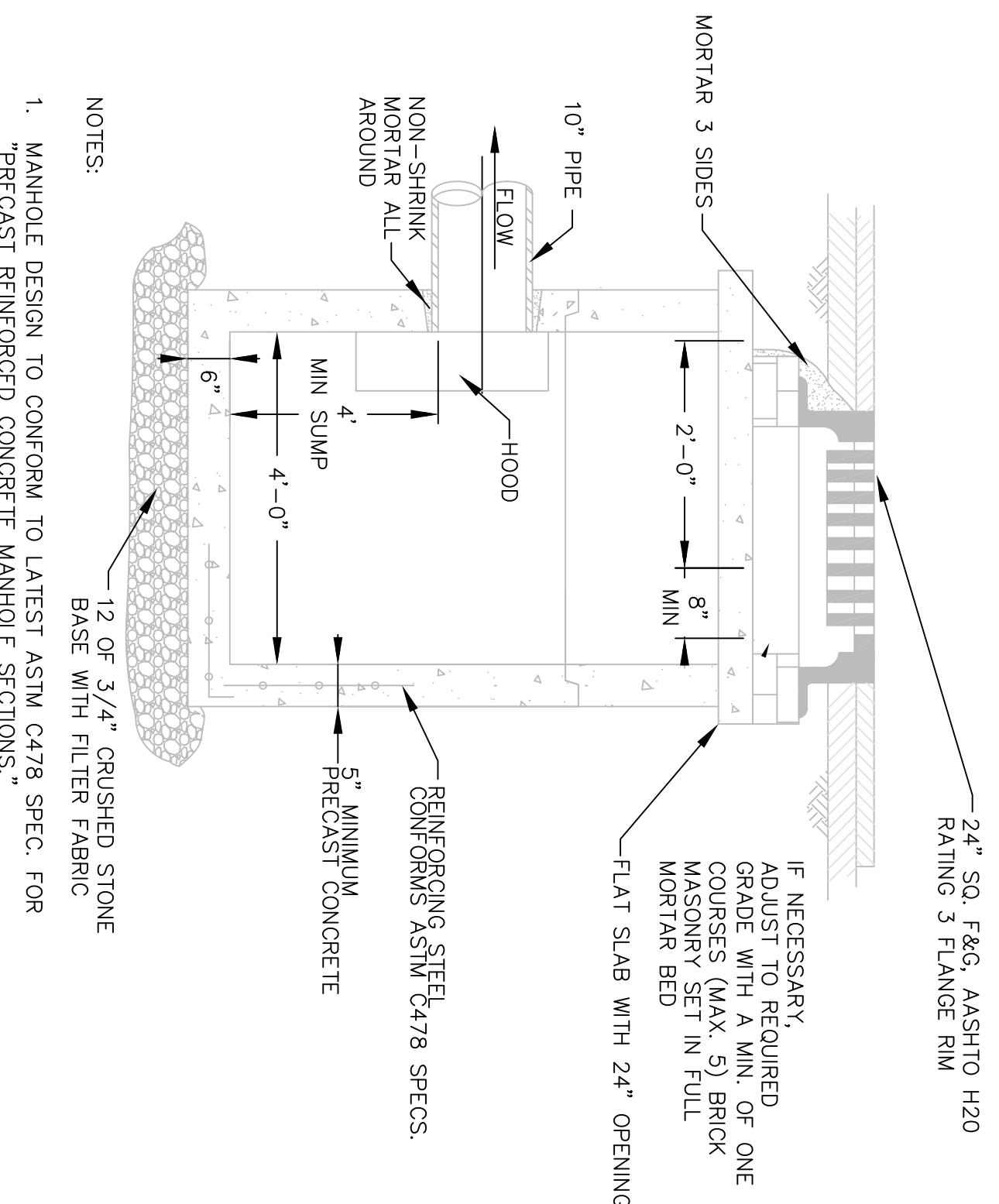
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TYPICAL WATER CONNECTION FOR 1" & 2" SERVICES
NOT TO SCALE

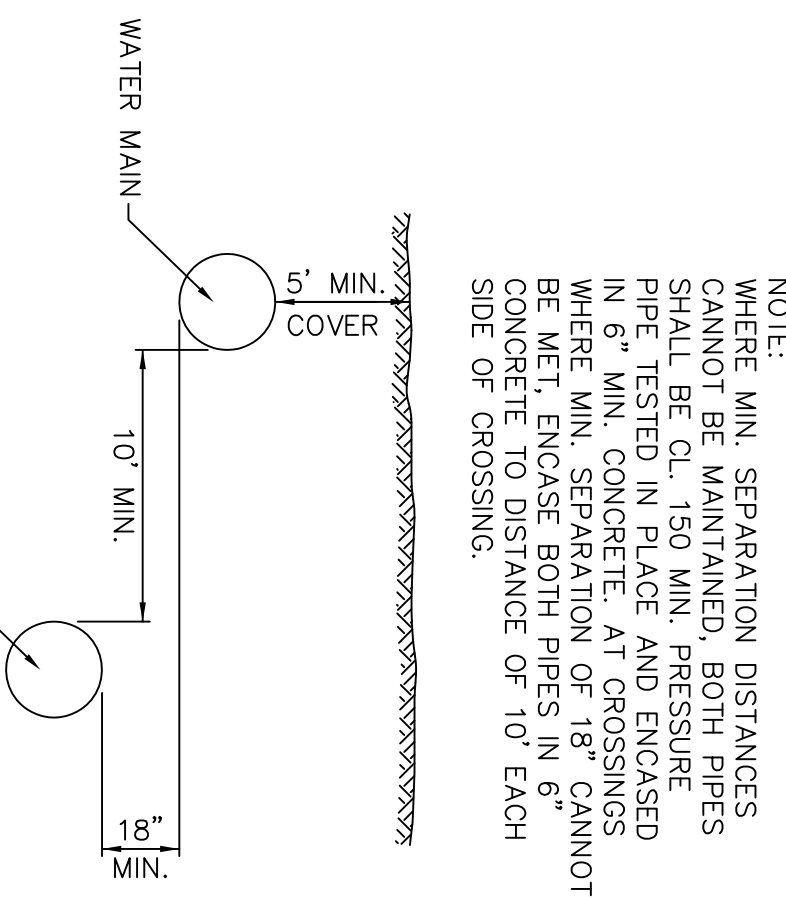


SANITARY SEWER WYE CONNECTION
NOT TO SCALE

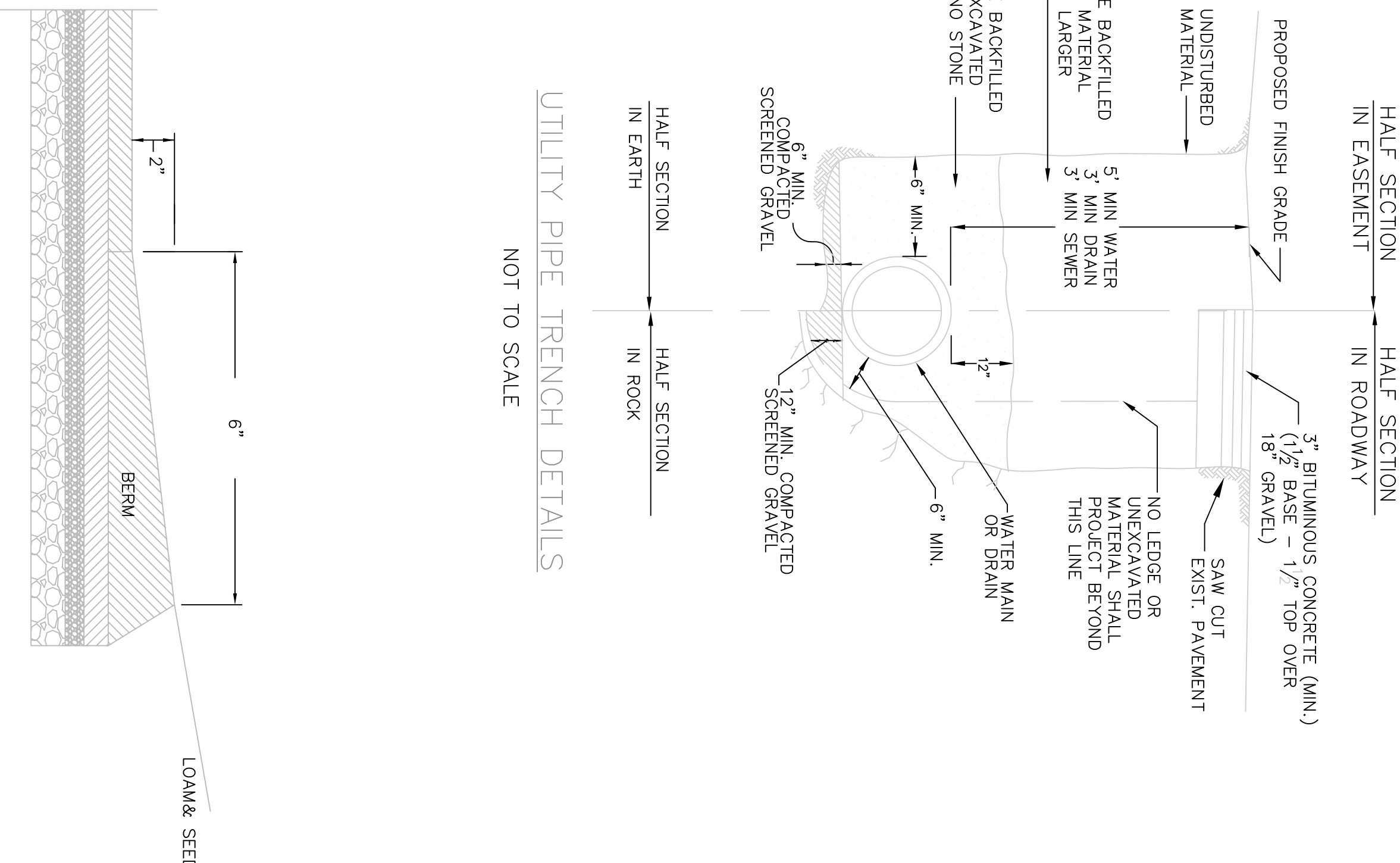


- NOTES:
1. MANHOLE DESIGN TO CONFORM TO LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."

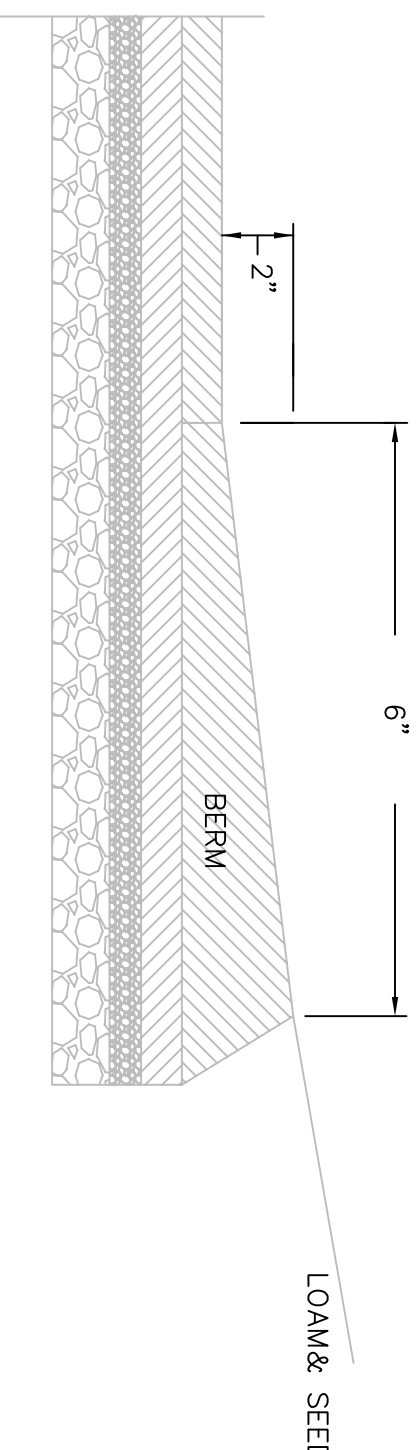
PRECAST CONCRETE CATCH BASIN
NOT TO SCALE



SEWER/WATER SEPARATION DETAIL
NOT TO SCALE



UTILITY PIPE TRENCH DETAILS
NOT TO SCALE



CAPE COD BERM (CCB) DETAIL
NOT TO SCALE

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EASTON, MA

REGISTRATION

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REVISIONS		
No.	Description	Date
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Civil Details

C-101

40 PITMAN ST

PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL BE APPROVED BY THE ENGINEER UPON ARRIVAL ON THE SITE.
2. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERYMEN'S ASSOCIATION (A.N.A.).
3. NO SUBSTITUTION OF PLANT SPECIES WILL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. ANY SUBSTITUTION SHALL BE OF EQUAL OR BETTER QUALITY, COLOR, SIZE, AND GROWTH HABIT.
4. ALL PLANTS SHALL BE STAKED OUT IN THEIR APPROXIMATE LOCATION BY THE CONTRACTOR, AND THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO THE PLANTING PLAN.
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6. NO PLANTING SHALL BE INSTALLED BEFORE ACCEPTANCE OF SOIL BY THE ENGINEER.
7. LOCATE HOLES NO DEEPER THAN THE CROWN OF THE PLANT. HOLES SHALL BE AT LEAST 12" DEEPER IN DIAMETER THAN THE CROWN OF THE PLANT.
8. THE CROWN OF THE PLANT SHALL BE PLANTED 2" ABOVE ADJACENT FINISHED GRADE.
9. ALL SHRUBS, GROUNDCOVERS AND PERENNIALS SHALL BE PLANTED IN CONTAINERS.
10. PLANTING MATERIAL SHALL BE PLANTED IN CONTAINERS AND SHALL BE PLANTED IN CONTAINERS.
11. ALL TREES AS SHOWN ON THE DRAWINGS SHALL BE EXCAVATED 12" AND BACKFILLED WITH MULCH. ALL SHRUBS SHALL BE COVERED WITH A 4" TRENCH HEAVY CUT AND BACKFILLED WITH MULCH.
12. ALL PLANTS ARE TO BE THOROUGHLY WATERED AFTER INSTALLATION, AT LEAST TWICE WITHIN THE FIRST 24 HOURS.

PLANT LIST

KEY	QUANTITY	LATIN NAME	COMMON NAME	SIZE
D	1	CORNUS x AURORA	DOGWOOD	1.5-2" CALIPER
W	6	AZALEA DELAWARE VALLEY WHITE	WHITE EVERGREEN AZALEA	18"-24"
C	4	NEPETA FAASSENII	CATMINT	2" GALLONS
V	8	VINCA MINOR	VINCA	4"

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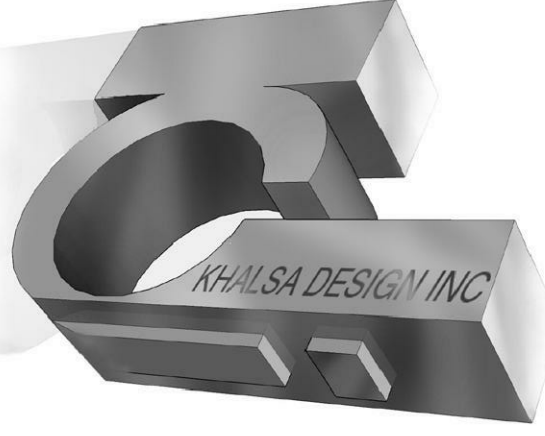
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EASTON, MA

REGISTRATION

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Date	1-21-14
Drawn by	ZKC
Checked by	ZKC
Scale	1"=5'

REVISIONS

NO.	DESCRIPTION	DATE
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Landscape Plan

L-100

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