

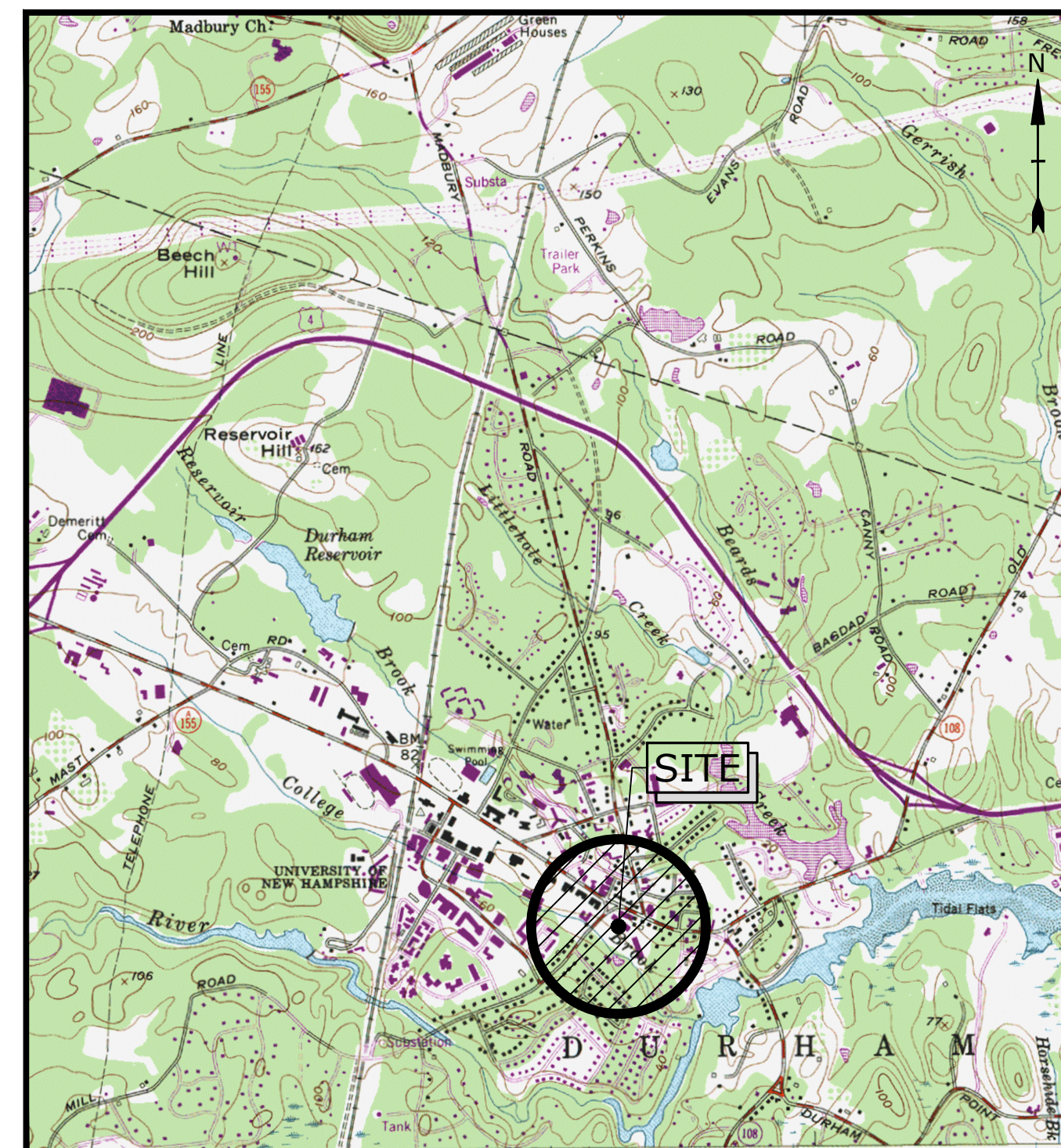
MILL PLAZA REDEVELOPMENT

DURHAM, NEW HAMPSHIRE

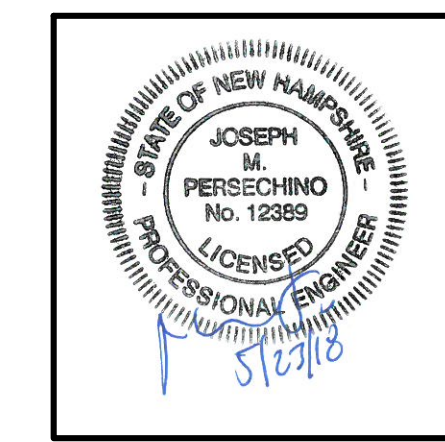
SITE PLANS

MAY 23, 2018

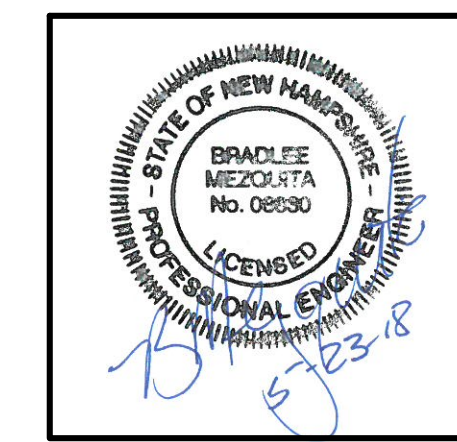
| LIST OF DRAWINGS | | |
|------------------|---|--------------|
| SHEET NO. | SHEET TITLE | LAST REVISED |
| | COVER SHEET | 5/23/2018 |
| G-101 | NOTES AND LEGEND SHEET | 5/23/2018 |
| C-101 | EXISTING CONDITIONS AND DEMOLITION PLAN | 5/23/2018 |
| C-102 | SITE PLAN | 5/23/2018 |
| C-103 | GRADING, DRAINAGE, AND EROSION CONTROL PLAN | 5/23/2018 |
| C-104 | UTILITIES PLAN | 5/23/2018 |
| C-501 | EROSION CONTROL NOTES AND DETAILS SHEET | 5/23/2018 |
| C-502 | DETAILS SHEET | 5/23/2018 |
| C-503 | DETAILS SHEET | 5/23/2018 |
| C-504 | DETAILS SHEET | 5/23/2018 |
| C-505 | DETAILS SHEET | 5/23/2018 |
| C-506 | DETAILS SHEET | 5/23/2018 |
| C-507 | DETAILS SHEET | 5/23/2018 |
| C-508 | DETAILS SHEET | 5/23/2018 |
| C-601 | TRUCK TURNING PLAN | 5/23/2018 |
| C-701 | BUFFER COVERAGE PLAN | 5/23/2018 |
| L2.0 | LANDSCAPE OVERALL PLAN | 5/23/2018 |
| L2.1 | PLANTING PLAN | 5/23/2018 |
| L2.2 | PLANTING PLAN | 5/23/2018 |
| L2.3 | PLANTING PLAN | 5/23/2018 |
| L2.4 | ROOF PLANTING PLANS | 5/23/2018 |
| L3.0 | PLANTING DETAILS | 5/23/2018 |
| L3.1 | PLANTING DETAILS | 5/23/2018 |
| L4.0 | HARDSCAPE OVERALL PLAN | 5/23/2018 |
| L4.1 | HARDSCAPE PLAN | 5/23/2018 |
| L4.2 | HARDSCAPE PLAN | 5/23/2018 |
| ES10.1 | ELECTRICAL SITE LIGHTING PLAN | 5/23/2018 |
| A20.1 | EXTERIOR ELEVATIONS | 5/23/2018 |
| A20.2 | EXTERIOR ELEVATIONS | 5/23/2018 |
| A20.3 | RENDERINGS | 5/23/2018 |
| A20.4 | RENDERINGS | 5/23/2018 |
| A20.5 | RENDERINGS | 5/23/2018 |



PREPARED BY:
Tighe & Bond
 Engineers | Environmental Specialists



Joseph M. Persechino, P.E.



Bradlee L. Mezquita, P.E.

OWNER/APPLICANT:
 Colonial Durham Associates, LP
 7 Mill Road, Unit L
 Durham, NH 03824

APPROVED DATE _____
 DURHAM, N.H.
 PLANNING BOARD

THE SITE PLAN REVIEW REGULATIONS OF THE TOWN OF DURHAM ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

| PERMIT/APPROVAL | APPROVED | EXPIRES | NUMBER |
|---|----------|---------|--------|
| Town of Durham Site Plan Approval | PENDING | - | - |
| Town of Durham Conditional Use Approval | PENDING | - | - |
| NHDES Sewer Connection Permit | PENDING | - | - |
| NHDES Alteration of Terrain Permit | PENDING | - | - |

COMPLETE SET 32 SHEETS



CONSTRUCTION NOTES:
 1. THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REQUIRED DIMENSION IS NOT PROVIDED ON THE PLANS.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS.
 3. TIGHE & BOND, ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION OF TIGHE & BOND.

SEWER STRUCTURE TABLE

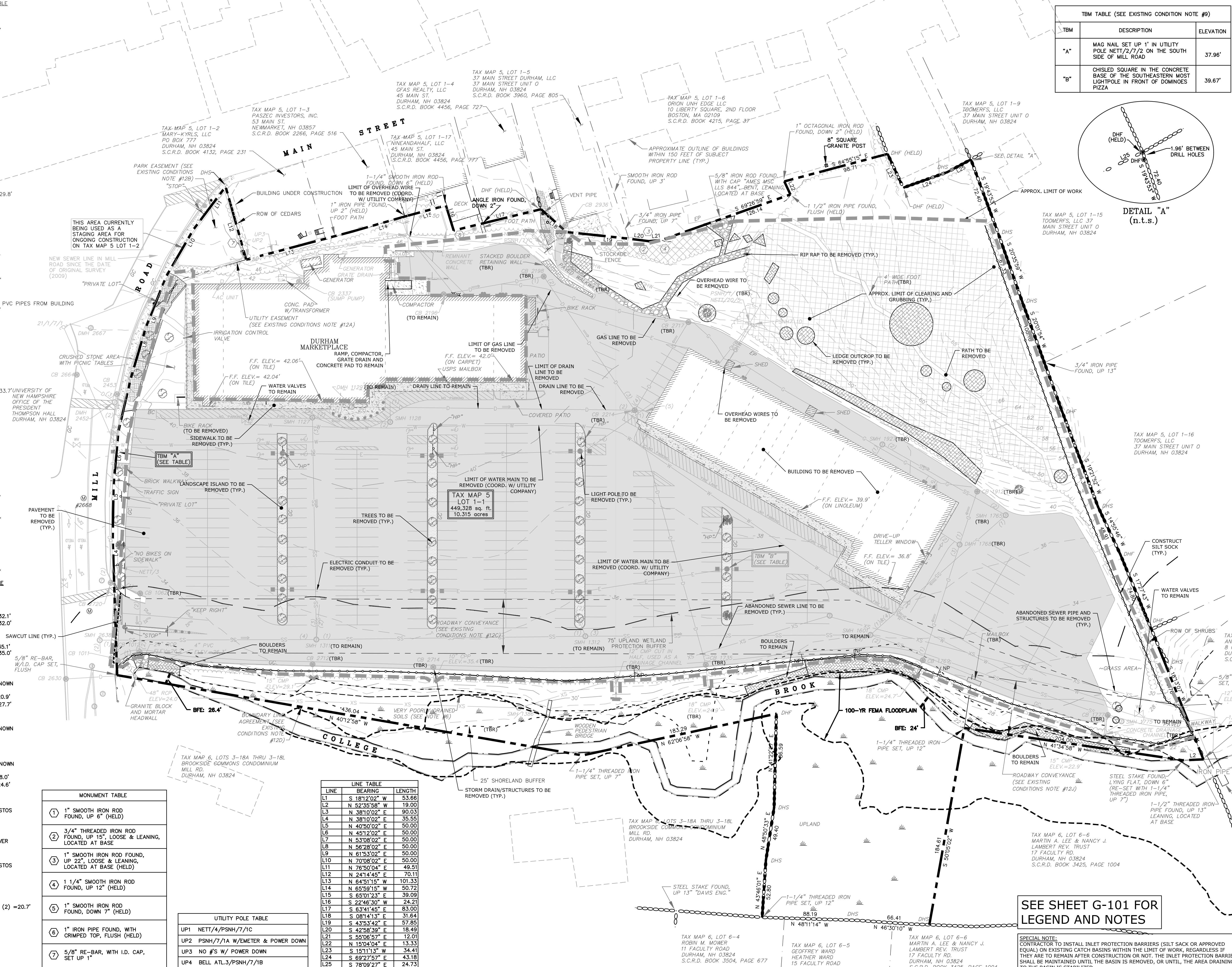
| |
|---|
| CB 1011 RIM=32.0' (1) INV. 18" RCP=26.5' (2) INV. 24" RCP=26.8' |
| CB 1012 RIM=31.9' (1) INV. 18" RCP=26.7' (2) INV. 18" RCP=26.7' |
| CB 1062 RIM=33.1' (1) INV. 18" RCP=27.2' (2) INV. 18" RCP=27.2' |
| DMH 1129 RIM=42.1' (1) INV. 6" CIP=36.4' (2) INV. 8" CIP=35.1' (3) INV. 8" CIP=35.2' |
| CB 1735 RIM=34.3' (1) INV. 15" CIP=27.9' (2) INV. 18" CIP=27.6' |
| DMH 1768 RIM=36.2' (1) INV. 12" CIP=29.8' (2) INV. 8" ASBESTOS=29.8' (3) INV. 12" CIP=29.6' |
| CB 1769 RIM=29.1' (1) INV. 12" CIP=24.2' (2) INV. 18" CIP=23.9' |
| CB 1777 RIM=29.1' INV. OUT 15" CIP=25.1' |
| CB 1912 RIM=36.3' INV. OUT 12" CIP=29.9' |
| CB 2196 RIM=41.7' W/VERTICAL 12" CPP & PVC PIPES FROM BUILDING INV. OUT 12" CIP=37.4' |
| CB 2198 RIM=41.2' (1) INV. 12" CIP=35.1' (2) INV. 15" CIP=34.7' |
| CB 2214 RIM=29.4' (1) INV. 15" CIP=33.4' (2) INV. 8" CIP=33.9' (3) INV. 15" CIP=33.6' (4) INV. 12" CIP=35.7' (5) INV. 8" ASBESTOS=33.7' |
| DMH 2452 RIM=38.0' (1) INV. 8" PVC=33.3' (2) INV. 15" RCP=30.4' (3) INV. 15" RCP |
| CB 2453 RIM=38.3' INV. OUT 8" PVC=34.7' |
| CB 2504 RIM=46.7' SUMP ONLY |
| CB 2714 RIM=35.3' INV. OUT 10" CIP=32.0' |
| CB 2717 RIM=39.0' INV. OUT 12" CIP=35.7' |
| CB 2720 RIM=33.3' (1) INV. 18" RCP=27.9' (2) INV. 15" RCP=28.1' |
| GRATE DRAIN RIM=38.0' INV. OUT 6" PVC=36.8' |

SEWER STRUCTURE TABLE

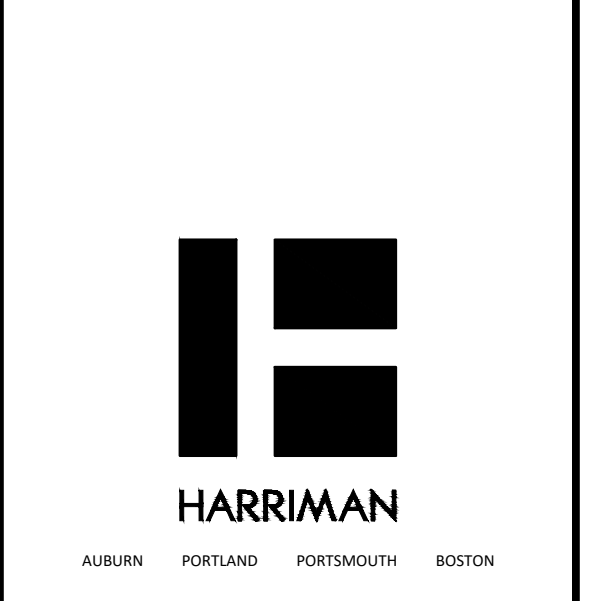
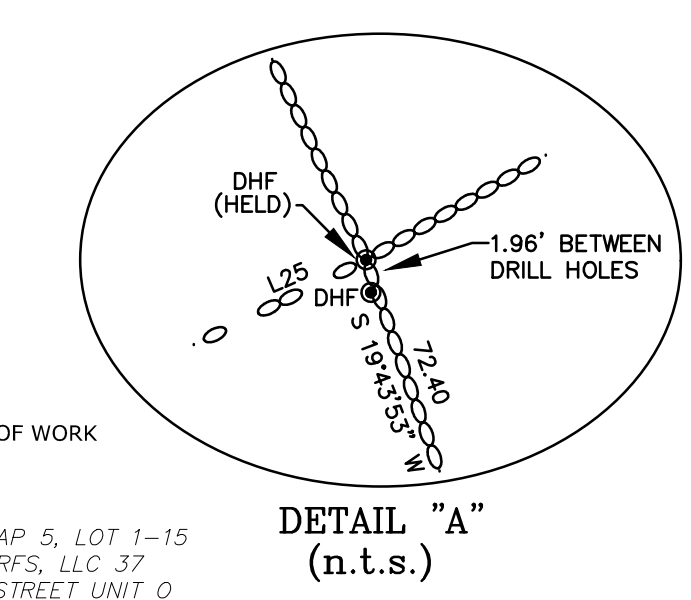
| |
|---|
| SMH 1127 RIM=41.8' (1) INV. 4" CIP=36.6' (2) INV. 8" ASBESTOS=32.1' (3) INV. 8" ASBESTOS=32.0' |
| SMH 1128 RIM=41.2' (1) INV. 8" ASBESTOS=35.1' (2) INV. 8" ASBESTOS=35.0' (3) INV. 6" CIP=36.1' |
| SMH 1311 RIM=35.1' (1) & (4) INV. 18" UNKNOWN CENTER CHANNEL=19.6' (2) INV. 6" UNKNOWN=20.9' (3) INV. 8" ASBESTOS=27.7' |
| SMH 1312 RIM=41.2' (1) & (3) INV. 18" UNKNOWN CENTER CHANNEL=18.0' (2) INV. UNKNOWN=19.4' |
| SMH 1601 RIM=34.0' (2) & (3) INV. 18" UNKNOWN CENTER CHANNEL=16.8' (1) INV. 8" UNKNOWN=18.0' (4) INV. 8" UNKNOWN=24.6' |

| MONUMENT TABLE | |
|----------------|---|
| ① | 1" SMOOTH IRON ROD FOUND, UP 6" (HELD) |
| ② | 3/4" THREADED IRON ROD FOUND, UP 15" LOOSE & LEANING, LOCATED AT BASE |
| ③ | 1" SMOOTH IRON ROD FOUND, UP 22", LOOSE & LEANING, LOCATED AT BASE (HELD) |
| ④ | 1 1/4" SMOOTH IRON ROD FOUND, UP 12" (HELD) |
| ⑤ | 1" SMOOTH IRON ROD FOUND, DOWN 7" (HELD) |
| ⑥ | 1" IRON PIPE FOUND, WITH CRIMPED TOP, FLUSH (HELD) |
| ⑦ | 5/8" RE-BAR, WITH I.D. CAP, SET UP 1" |

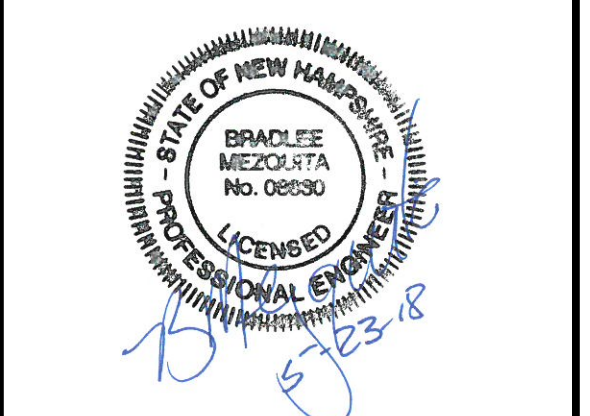
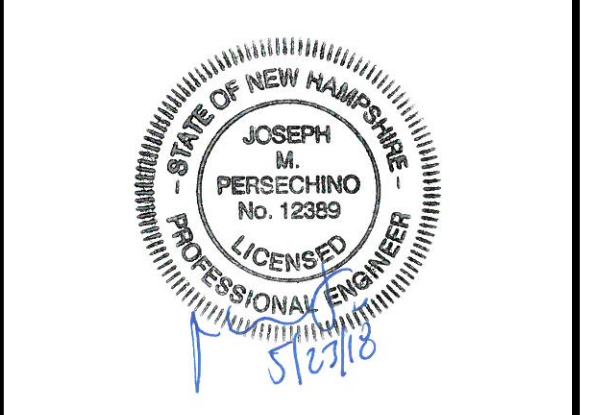
| UTILITY POLE TABLE | |
|--------------------|---------------------------------|
| UP1 | NETT/4/PSNH/7/1C |
| UP2 | PSNH/7/1A W/EMETER & POWER DOWN |
| UP3 | NO #S W/ POWER DOWN |
| UP4 | BELL ATL/3/PSNH/7/1B |



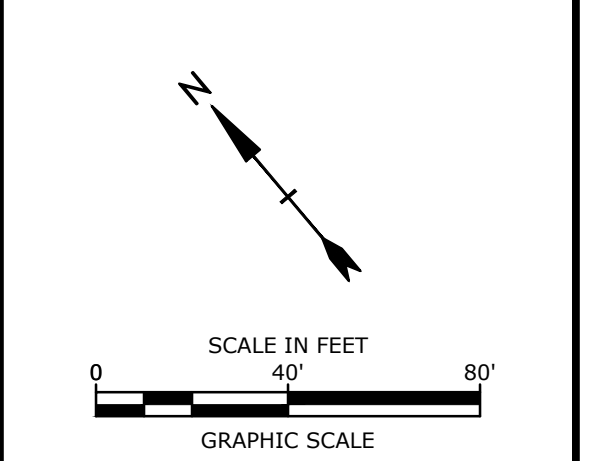
| TBM TABLE (SEE EXISTING CONDITION NOTE #9) | | |
|--|---|-----------|
| TBM | DESCRIPTION | ELEVATION |
| "A" | MAG NAIL SET UP 1" IN UTILITY POLE NETT/2/7/2 ON THE SOUTH SIDE OF MILL ROAD | 37.96' |
| "B" | CHISLED SQUARE IN THE CONCRETE BASE OF THE SOUTHEASTERN MOST LIGHTPOLE IN FRONT OF DOMINGES PIZZA | 39.67' |



Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION



Mill Plaza Redevelopment

Colonial Durham Associates, LP

7 Mill Road, Unit L
Durham, New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002-C-DEMO.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: AS SHOWN

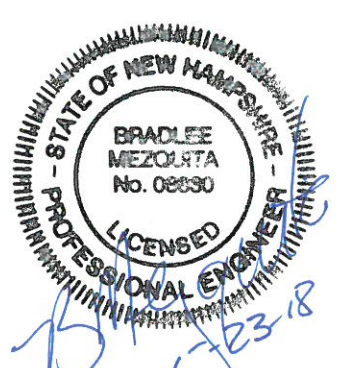
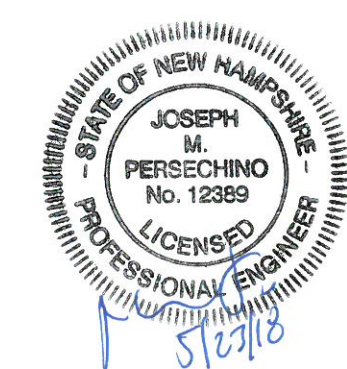
C-101

SEE SHEET G-101 FOR LEGEND AND NOTES

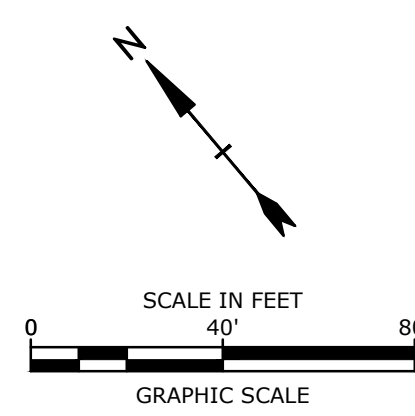
SPECIAL NOTE:
CONTRACTOR TO INSTALL INLET PROTECTION BARRIERS (SILT SACK OR APPROVED EQUAL) ON EXISTING CATCH BASINS WITHIN THE LIMIT OF WORK, REGARDLESS IF THEY ARE TO REMAIN AFTER CONSTRUCTION OR NOT. THE INLET PROTECTION BARRIER SHALL BE MAINTAINED UNTIL THE BASIN IS REMOVED, OR UNTIL THE AREA DRAINING TO THE BASIN IS STABILIZED.

| LINE TABLE | | |
|------------|---------------|--------|
| LINE | BEARING | LENGTH |
| L1 | S 181°20'2" W | 53.66 |
| L2 | N 52°35'58" W | 19.00 |
| L3 | N 38°10'02" E | 90.03 |
| L4 | N 38°10'02" E | 35.55 |
| L5 | N 40°50'02" E | 50.00 |
| L6 | N 45°12'02" E | 50.00 |
| L7 | N 53°08'02" E | 50.00 |
| L8 | N 56°28'02" E | 50.00 |
| L9 | N 61°53'02" E | 50.00 |
| L10 | N 70°08'02" E | 50.00 |
| L11 | N 76°50'04" E | 49.51 |
| L12 | N 24°14'45" E | 70.11 |
| L13 | N 64°51'15" W | 101.33 |
| L14 | N 65°59'15" W | 50.72 |
| L15 | N 65°01'23" E | 39.09 |
| L16 | S 27°46'30" W | 24.21 |
| L17 | S 63°41'45" E | 83.00 |
| L18 | S 08°14'13" E | 31.64 |
| L19 | S 43°33'42" E | 57.85 |
| L20 | S 42°58'39" E | 18.49 |
| L21 | S 55°06'57" E | 12.01 |
| L22 | N 15°04'04" E | 13.33 |
| L23 | S 15°11'13" W | 34.41 |
| L24 | S 69°27'57" E | 43.18 |
| L25 | S 78°09'27" E | 24.73 |

Lot 1, Sheet 4, 5/23/2018
Plotted On: May 23, 2018 - 11:57am By: E.Doremus
Tighe & Bond; J:\M1529\Drawings\Figures\AutoCAD\Sheet\M1529-002-C-DEMO.dwg



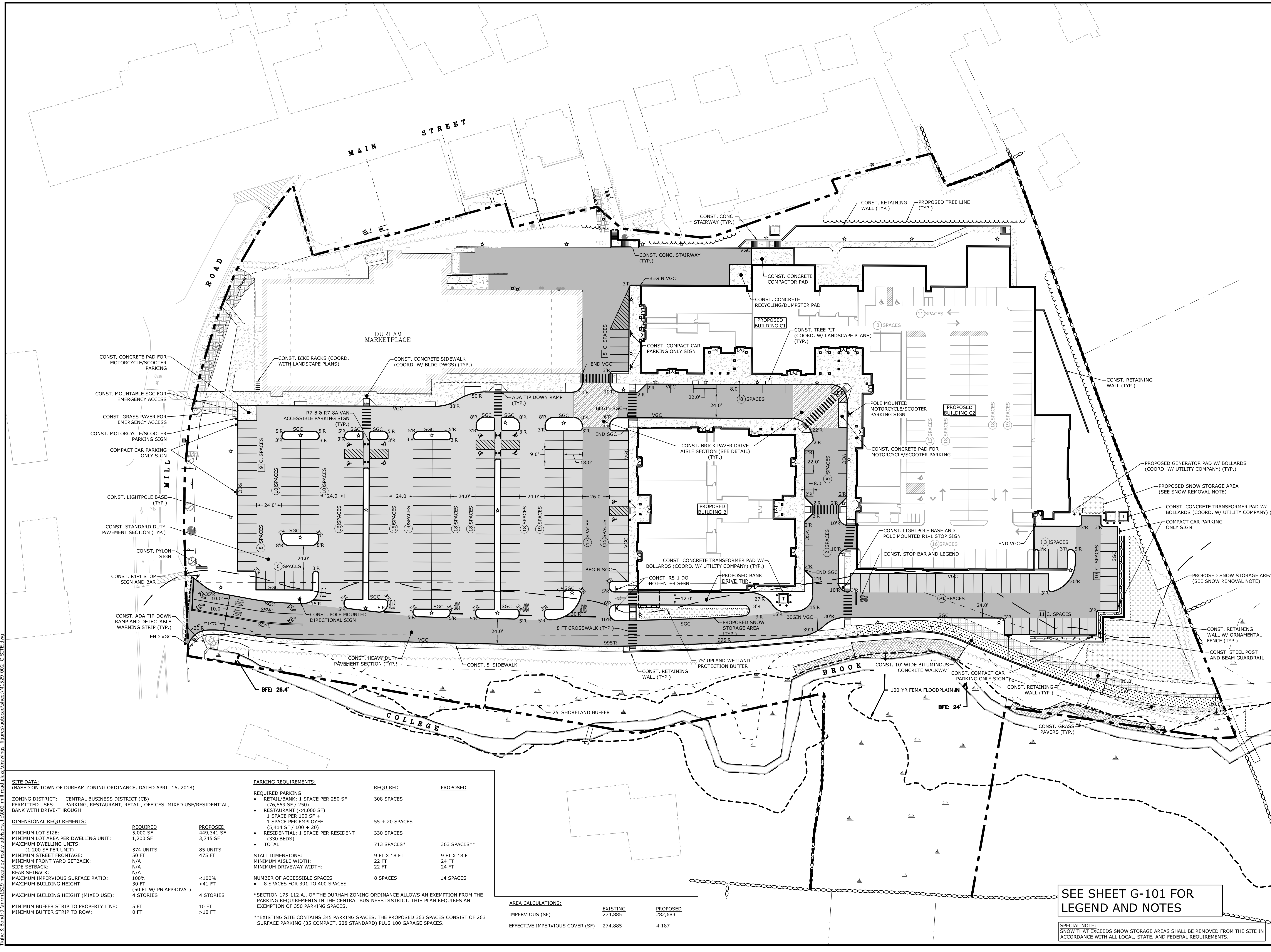
PERMIT SET
NOT FOR CONSTRUCTION



**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824



SITE DATA:
(BASED ON TOWN OF DURHAM ZONING ORDINANCE, DATED APRIL 16, 2018)

ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CB)
PERMITTED USES: PARKING, RESTAURANT, RETAIL, OFFICES, MIXED USE/RESIDENTIAL, BANK WITH DRIVE-THROUGH

| DIMENSIONAL REQUIREMENTS: | | REQUIRED | PROPOSED |
|--|-----------|------------|-----------|
| MINIMUM LOT SIZE: | 5,000 SF | 449,341 SF | 3,745 SF |
| MINIMUM LOT AREA PER DWELLING UNIT: | 1,200 SF | | |
| MAXIMUM DWELLING UNITS: | 374 UNITS | 85 UNITS | 475 UNITS |
| (1,200 SF PER UNIT) | | | |
| MINIMUM STREET FRONTAGE: | 50 FT | N/A | <41 FT |
| MINIMUM FRONT YARD SETBACK: | N/A | | |
| SIDE SETBACK: | N/A | | |
| REAR SETBACK: | N/A | | |
| MAXIMUM IMPERVIOUS SURFACE RATIO: | 100% | | <100% |
| MAXIMUM BUILDING HEIGHT: | 30 FT | | <41 FT |
| (50 FT W/ PB APPROVAL) | | | |
| MAXIMUM BUILDING HEIGHT (MIXED USE): | 4 STORIES | | 4 STORIES |
| MINIMUM BUFFER STRIP TO PROPERTY LINE: | 5 FT | | 10 FT |
| MINIMUM BUFFER STRIP TO ROW: | 0 FT | | >10 FT |

PARKING REQUIREMENTS:

| REQUIRED PARKING | REQUIRED | PROPOSED |
|---|----------------|--------------|
| RETAIL/BANK: 1 SPACE PER 250 SF (76,859 SF / 250) | 308 SPACES | |
| RESTAURANT (<4,000 SF) | | |
| 1 SPACE PER 100 SF + 1 SPACE PER EMPLOYEE (5,414 SF / 100 + 20) | 55 + 20 SPACES | |
| RESIDENTIAL: 1 SPACE PER RESIDENT (330 BEDS) | 330 SPACES | |
| TOTAL | 713 SPACES* | 363 SPACES** |
| STALL DIMENSIONS: | 9 FT X 18 FT | 9 FT X 18 FT |
| MINIMUM AISLE WIDTH: | 22 FT | 24 FT |
| MINIMUM DRIVEWAY WIDTH: | 22 FT | 24 FT |
| NUMBER OF ACCESSIBLE SPACES | 8 SPACES | 14 SPACES |
| * 8 SPACES FOR 301 TO 400 SPACES | | |

*SECTION 175-112.A., OF THE DURHAM ZONING ORDINANCE ALLOWS AN EXEMPTION FROM THE PARKING REQUIREMENTS IN THE CENTRAL BUSINESS DISTRICT. THIS PLAN REQUIRES AN EXEMPTION OF 350 PARKING SPACES.

**EXISTING SITE CONTAINS 345 PARKING SPACES. THE PROPOSED 363 SPACES CONSIST OF 263 SURFACE PARKING (35 COMPACT, 228 STANDARD) PLUS 100 GARAGE SPACES.

AREA CALCULATIONS:

| IMPERVIOUS (SF) | EXISTING | PROPOSED |
|---------------------------------|----------|----------|
| IMPERVIOUS (SF) | 274,885 | 282,663 |
| EFFECTIVE IMPERVIOUS COVER (SF) | 274,885 | 4,187 |

SEE SHEET G-101 FOR
LEGEND AND NOTES

SPECIAL NOTE:
SNOW THAT EXCEEDS SNOW STORAGE AREAS SHALL BE REMOVED FROM THE SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

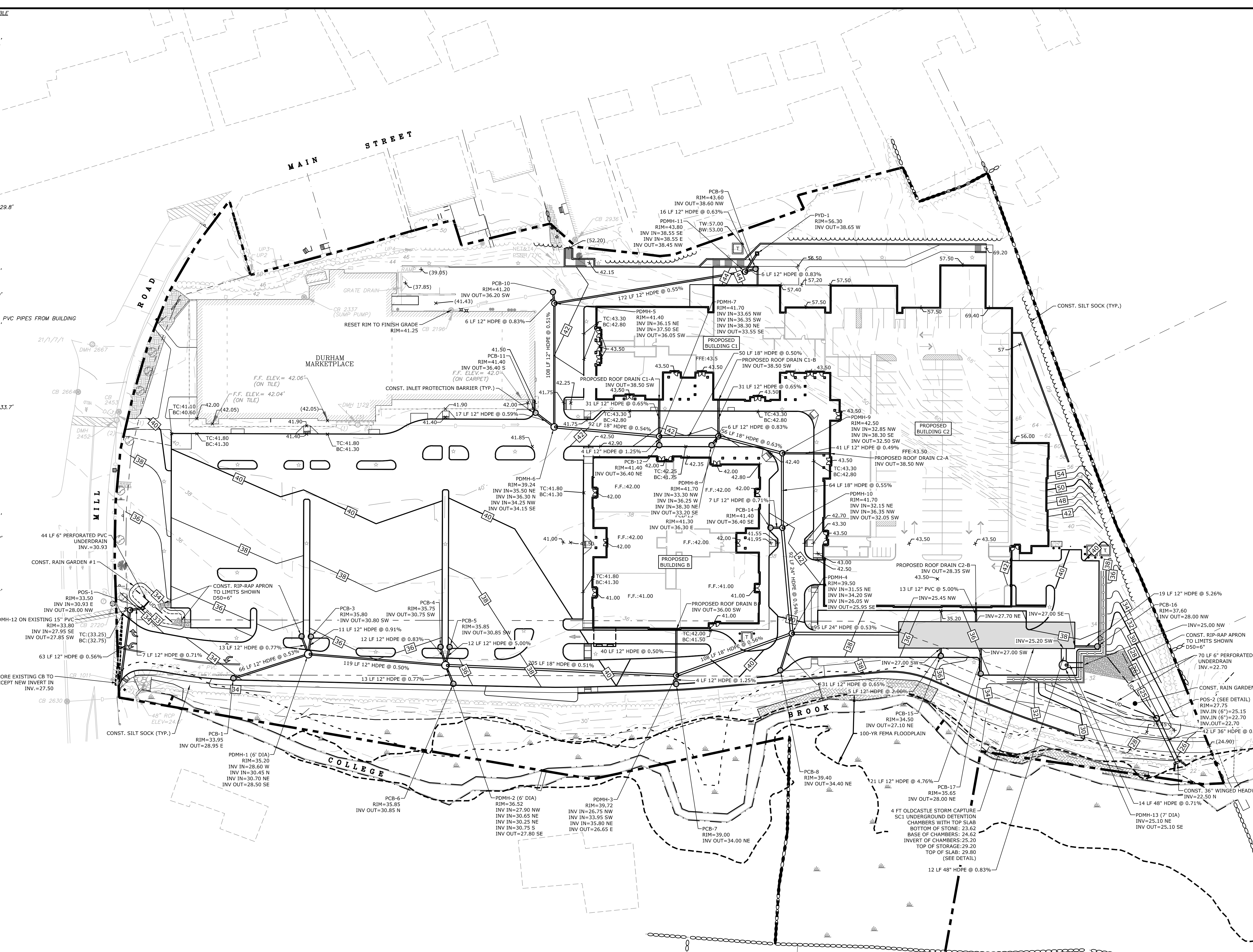
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|-------------|----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_C-SITE.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

SITE PLAN
SCALE: AS SHOWN

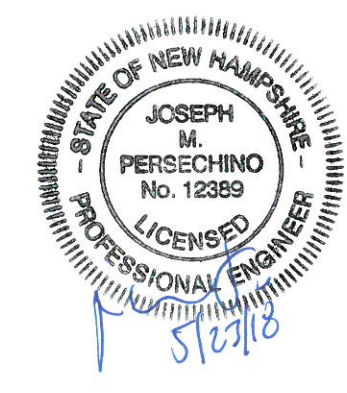
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DRAINAGE STRUCTURE TABLE

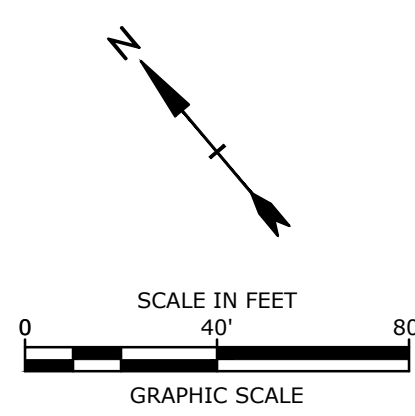
- CB 1011
RIM=32.0'
(1) INV. 18" RCP=26.5'
(2) INV. 24" RCP=26.8'
- CB 1012
RIM=31.9'
(1) INV. 18" RCP=26.7'
(2) INV. 18" RCP=26.7'
- CB 1062
RIM=33.1'
(1) INV. 18" RCP=27.2'
(2) INV. 18" RCP=27.2'
- DMH 1129
RIM=42.1'
(1) INV. 6" CIP=36.4'
(2) INV. 8" CIP=35.1'
(3) INV. 8" CIP=35.2'
- CB 1735
RIM=34.3'
(1) INV. 15" CMP=27.9'
(2) INV. 18" CMP=27.6'
- DMH 1768
RIM=36.2'
(1) INV. 12" CMP=29.8'
(2) INV. 8" ASBESTOS=29.8'
(3) INV. 12" CMP=29.6'
- CB 1769
RIM=32.5'
(1) INV. 12" CMP=27.6'
(2) INV. 18" CMP=27.3'
- CB 1777
RIM=29.1'
INV. OUT 15" CMP=25.1'
- CB 1912
RIM=36.3'
INV. OUT 12" CMP=29.9'
- CB 2196
RIM=41.7'
W/VERTICAL 12" CPP & PVC PIPES FROM BUILDING
INV. OUT 12" CPP=37.4'
- CB 2198
RIM=41.2'
(1) INV. 12" CPP=35.1'
(2) INV. 15" CPP=34.7'
- CB 2214
RIM=39.4'
(1) INV. 15" CMP=33.4'
(2) INV. 8" CIP=33.9'
(3) INV. 15" CPP=33.6'
(4) INV. 12" CMP=33.7'
(5) INV. 8" ASBESTOS=33.7'
- DMH 2452
RIM=38.0'
(1) INV. 8" PVC=33.3'
(2) INV. 15" RCP=30.4'
(3) INV. 15" RCP
- CB 2453
RIM=38.3'
INV. OUT 8" PVC=34.7'
- CB 2504
RIM=46.7'
SUMP ONLY
- CB 2714
RIM=35.3'
INV. OUT 10" CPP=32.0'
- CB 2717
RIM=39.0'
INV. OUT 12" CMP=35.7'
- CB 2720
RIM=33.1'
(1) INV. 18" RCP=27.9'
(2) INV. 15" RCP=28.1'
- GRATE DRAIN
RIM=38.0'
INV. OUT 6" PVC=36.8'



Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION



**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_C-GRAD.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

GRADING, DRAINAGE AND
EROSION CONTROL PLAN

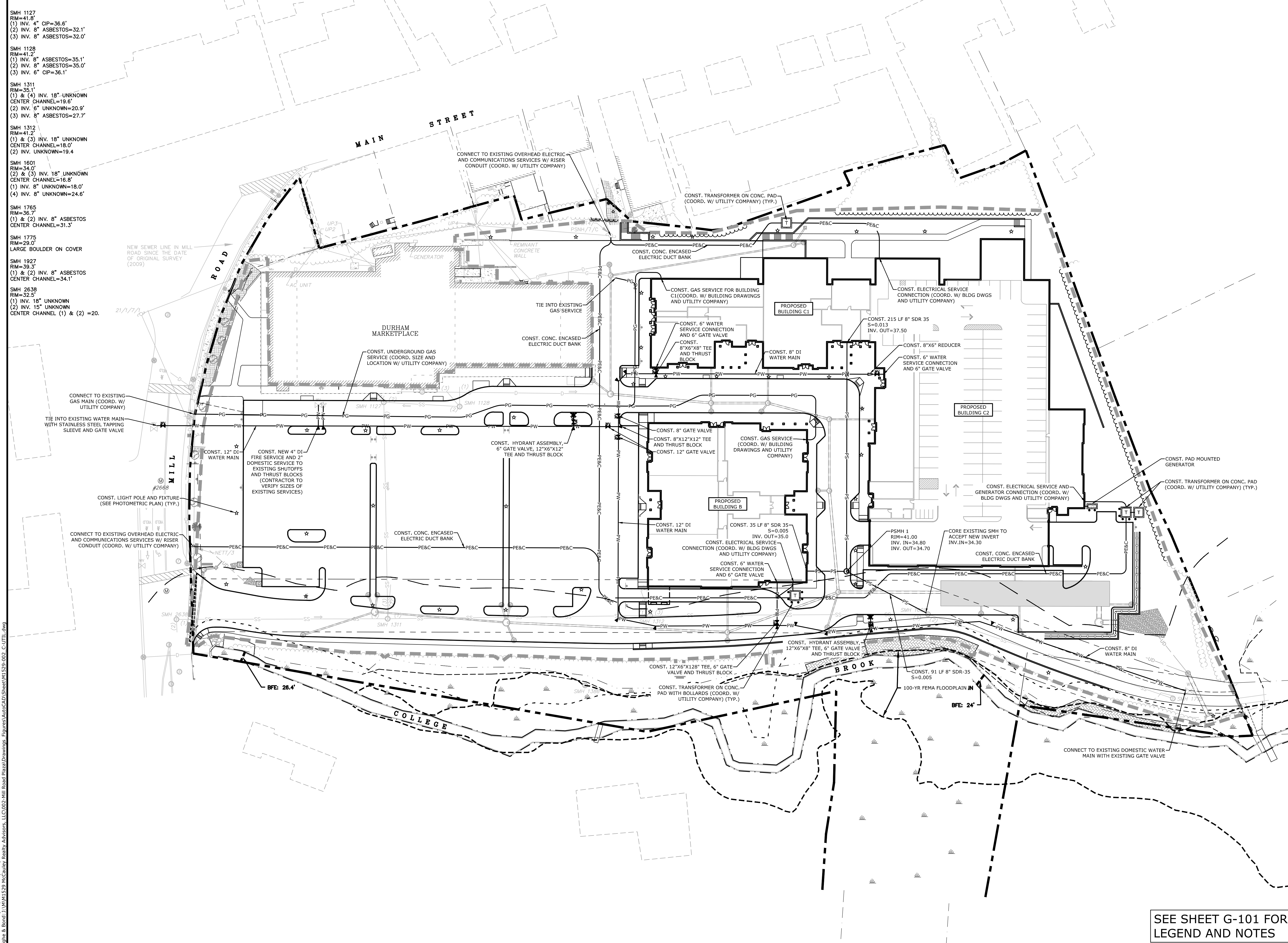
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SEE SHEET G-101 FOR
LEGEND AND NOTES

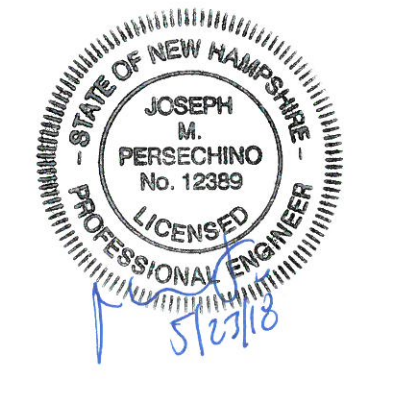
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 Plotted On: 5/23/2018 11:52:00 AM
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SEWER STRUCTURE TABLE

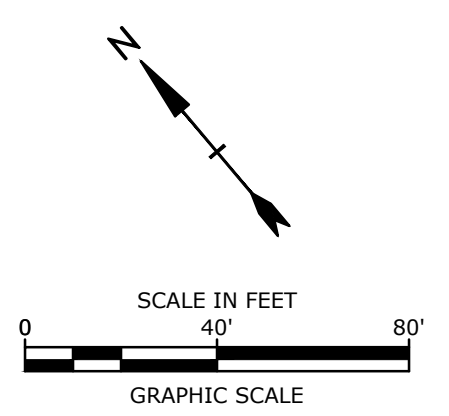
- SMH 1127
RIM=41.8'
(1) INV. 4" CIP=36.6'
(2) INV. 8" ASBESTOS=32.1'
(3) INV. 8" ASBESTOS=32.0'
- SMH 1128
RIM=41.2'
(1) INV. 8" ASBESTOS=35.1'
(2) INV. 8" ASBESTOS=35.0'
(3) INV. 6" CIP=36.1'
- SMH 1311
RIM=35.1'
(1) & (4) INV. 18" UNKNOWN
CENTER CHANNEL=19.6'
(2) INV. 6" UNKNOWN=20.9'
(3) INV. 8" ASBESTOS=27.7'
- SMH 1312
RIM=41.2'
(1) & (3) INV. 18" UNKNOWN
CENTER CHANNEL=18.0'
(2) INV. UNKNOWN=19.4
- SMH 1601
RIM=34.0'
(2) & (3) INV. 18" UNKNOWN
CENTER CHANNEL=16.8'
(1) INV. 8" UNKNOWN=18.0'
(4) INV. 8" UNKNOWN=24.6'
- SMH 1765
RIM=36.7'
(1) & (2) INV. 8" ASBESTOS
CENTER CHANNEL=31.3'
- SMH 1775
RIM=29.0'
LARGE BOULDER ON COVER
- SMH 1927
RIM=39.3'
(1) & (2) INV. 8" ASBESTOS
CENTER CHANNEL=34.1'
- SMH 2638
RIM=32.5'
(1) INV. 18" UNKNOWN
(2) INV. 15" UNKNOWN
CENTER CHANNEL (1) & (2) =20.



Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION



**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_C-UTIL.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

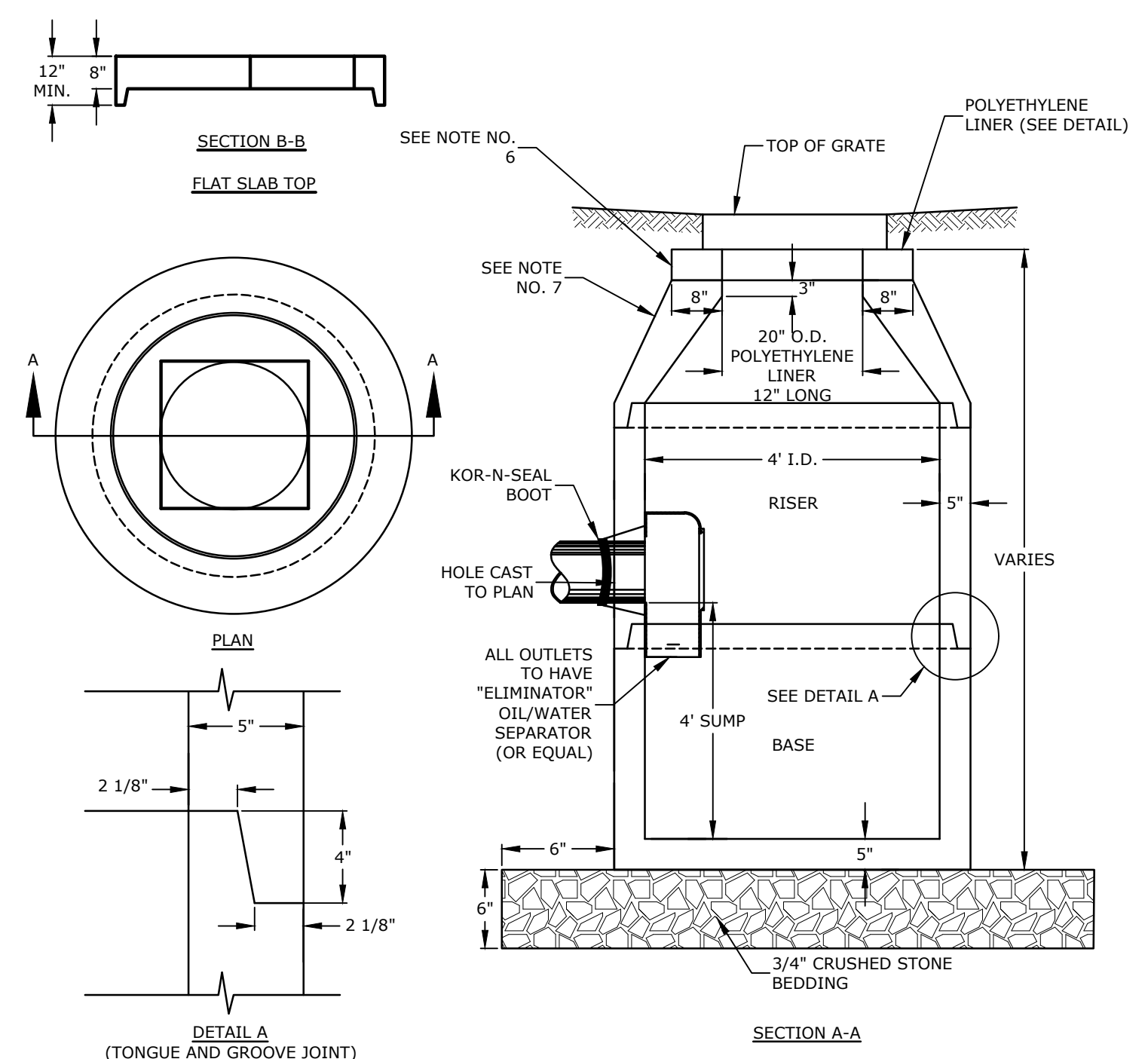
UTILITIES PLAN

SCALE: AS SHOWN

C-104

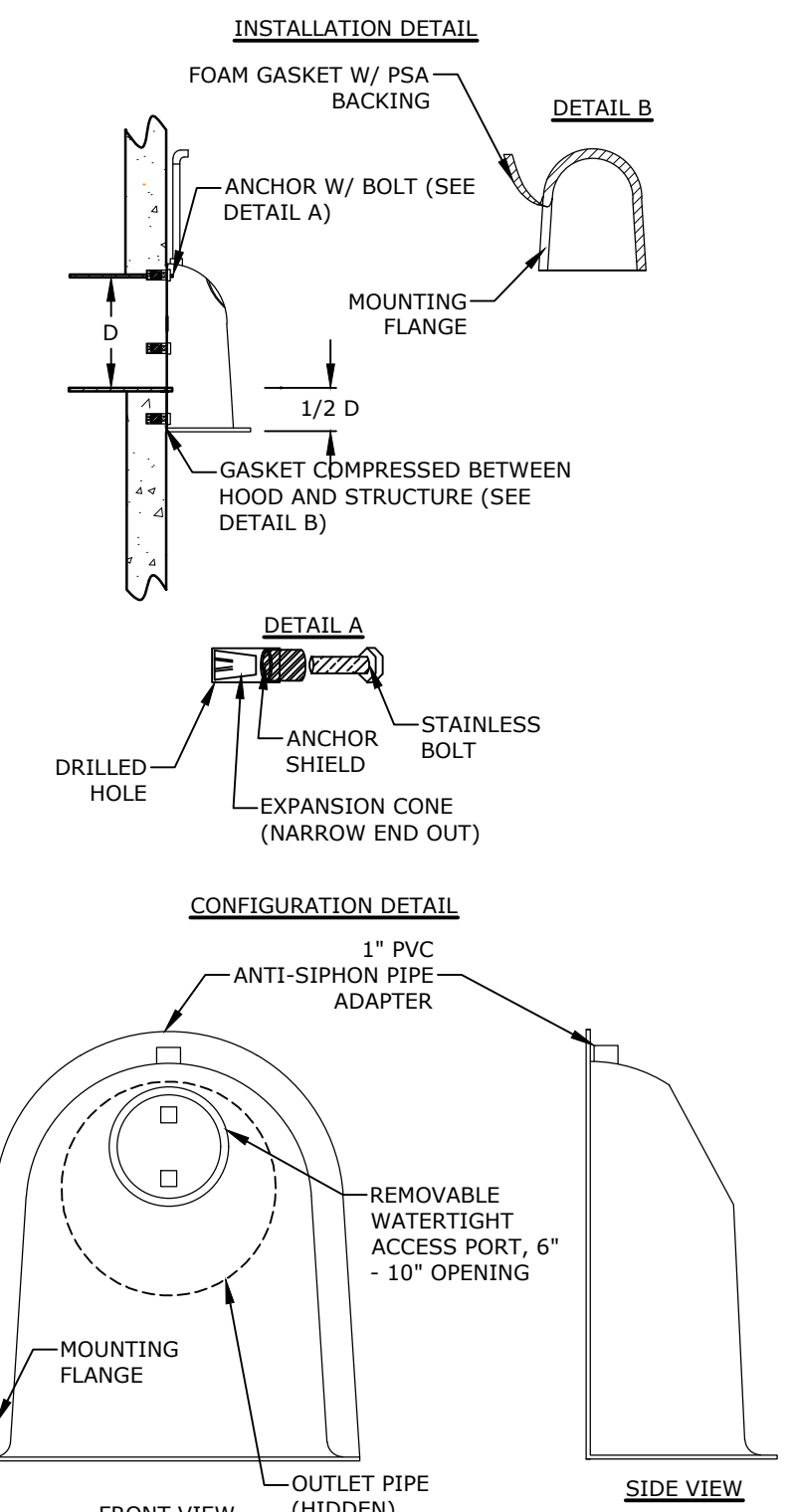
SEE SHEET G-101 FOR
LEGEND AND NOTES

Date: 5/23/2018
 Plotted On: 5/23/2018 2:10:08 PM
 Plotted By: EGD
 Tighe & Bond: J:\M1529-002\Drawings\Figures\AutoCAD\Sheet\M1529-002_C-UTIL.dwg



- NOTES:**
- ALL SECTIONS SHALL BE CONCRETE CLASS AA(4000 PSI).
 - CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER LINEAR FT. IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
 - THE TONGUE AND GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FT.
 - RISERS OF 1', 2', 3' & 4' CAN BE USED TO REACH DESIRED DEPTH.
 - THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
 - FITTING FRAME TO GRADE MAY BE DONE WITH PREFABRICATED ADJUSTMENT RINGS OR CLAY BRICKS (2 COURSES MAX.).
 - CONE SECTIONS MAY BE EITHER CONCENTRIC OR ECCENTRIC. OR FLAT SLAB TOPS MAY BE USED WHERE PIPE WOULD OTHERWISE ENTER INTO THE CONE SECTION OF THE STRUCTURE AND WHERE PERMITTED.
 - PIPE ELEVATIONS SHOWN ON PLANS SHALL BE FIELD VERIFIED PRIOR TO PRECASTING.
 - OUTSIDE EDGES OF PIPES SHALL PROJECT NO MORE THAN 3" BEYOND INSIDE WALL OF STRUCTURE.
 - PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT 4" HIGH AT AN 11° ANGLE CENTERED IN THE WIDTH OF THE WALL AND SHALL BE ASSEMBLED USING AN APPROVED FLEXIBLE SEALANT IN JOINTS.
 - THE TONGUE AND GROOVE JOINT SHALL BE SEALED WITH ONE STRIP OF BUTYL RUBBER SEALANT.
 - "ELIMINATOR" OIL/WATER SEPARATOR SHALL BE INSTALLED TIGHT TO INSIDE OF CATCHBASIN.

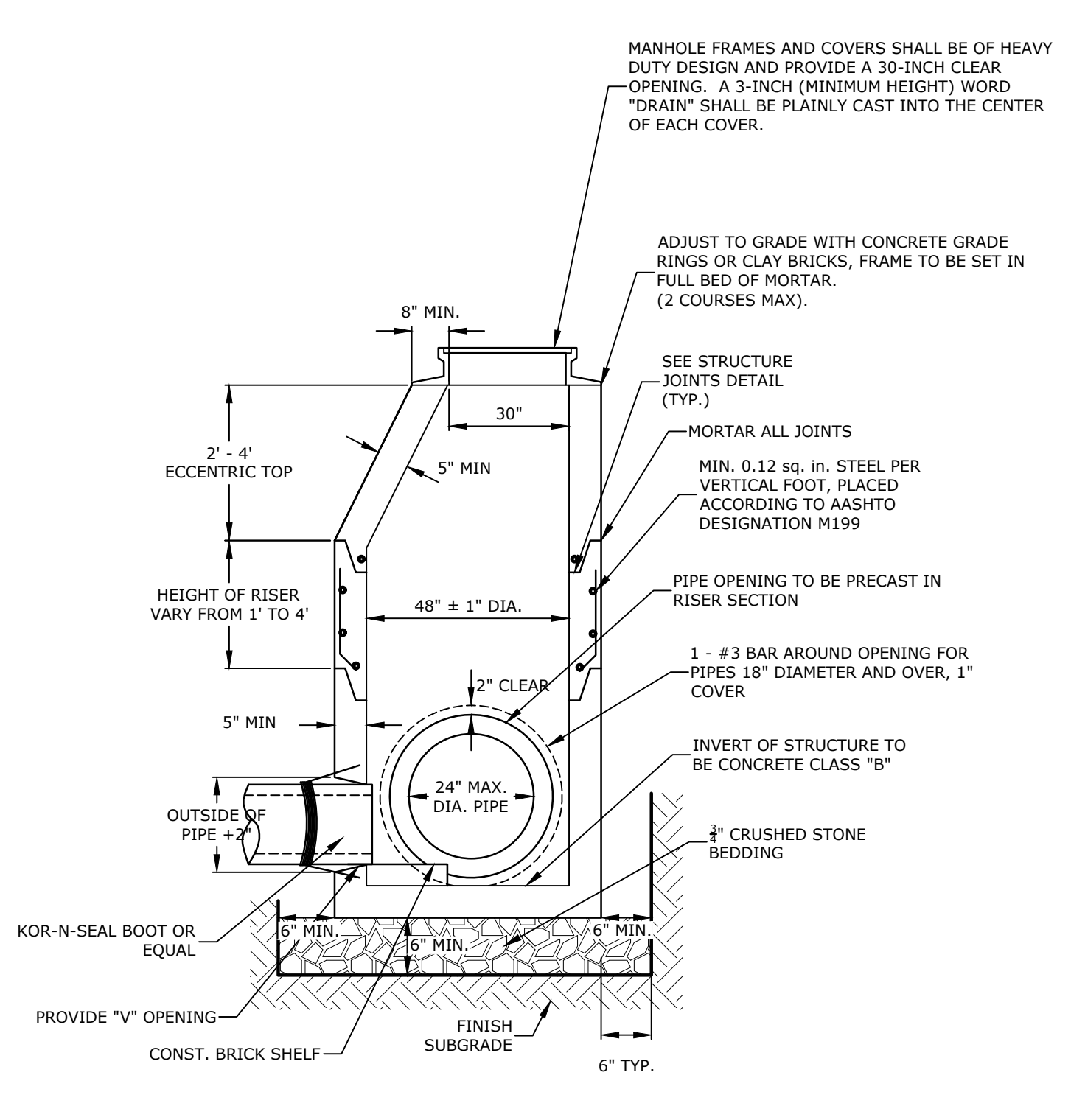
4' DIAMETER CATCHBASIN
NO SCALE



| PIPE SIZE (I.D.) | SNOUT MODEL REQ'D |
|------------------|-------------------|
| 12" | 18R |
| 15" | 18R |
| 18" | 24R |
| 24" | 30R |
| 30" | 54R |
| 36" | 54R |
| 42" | 72F |
| 48" | 72F |
| 54" | 96F |
| 60" | 96F |
| 66" | 96F |

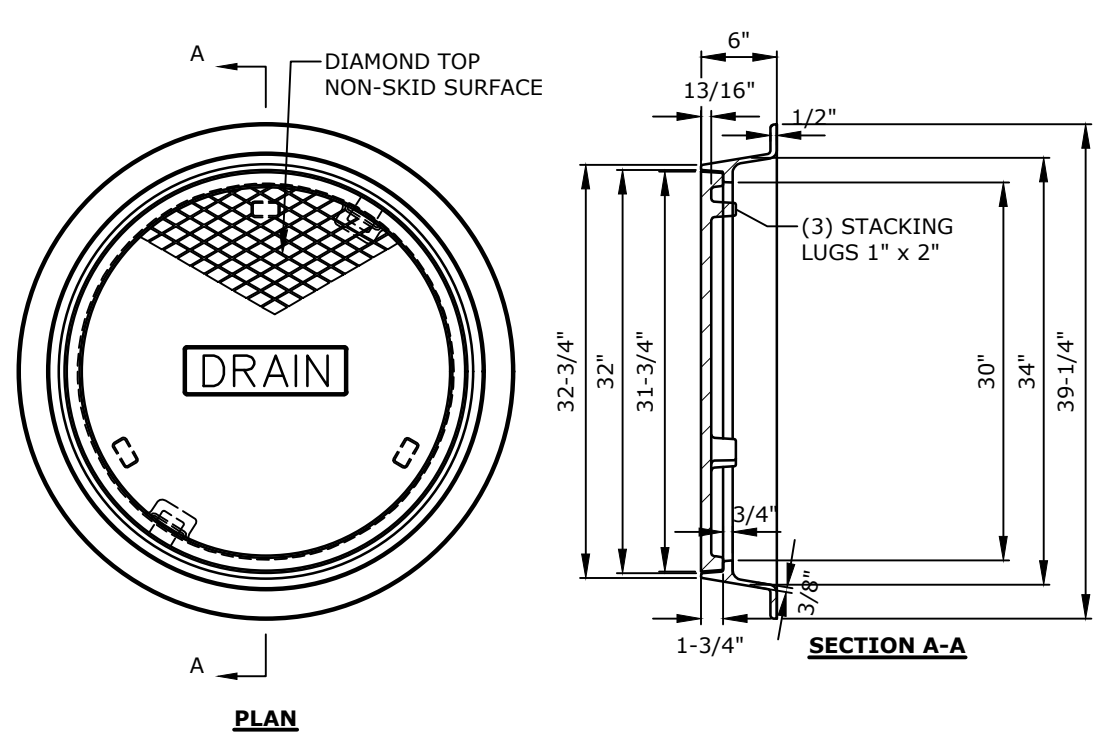
F=SQUARE STRUCTURE
R=CIRCULAR STRUCTURE

SNOUT OIL-WATER-DEBRIS SEPARATOR
NO SCALE



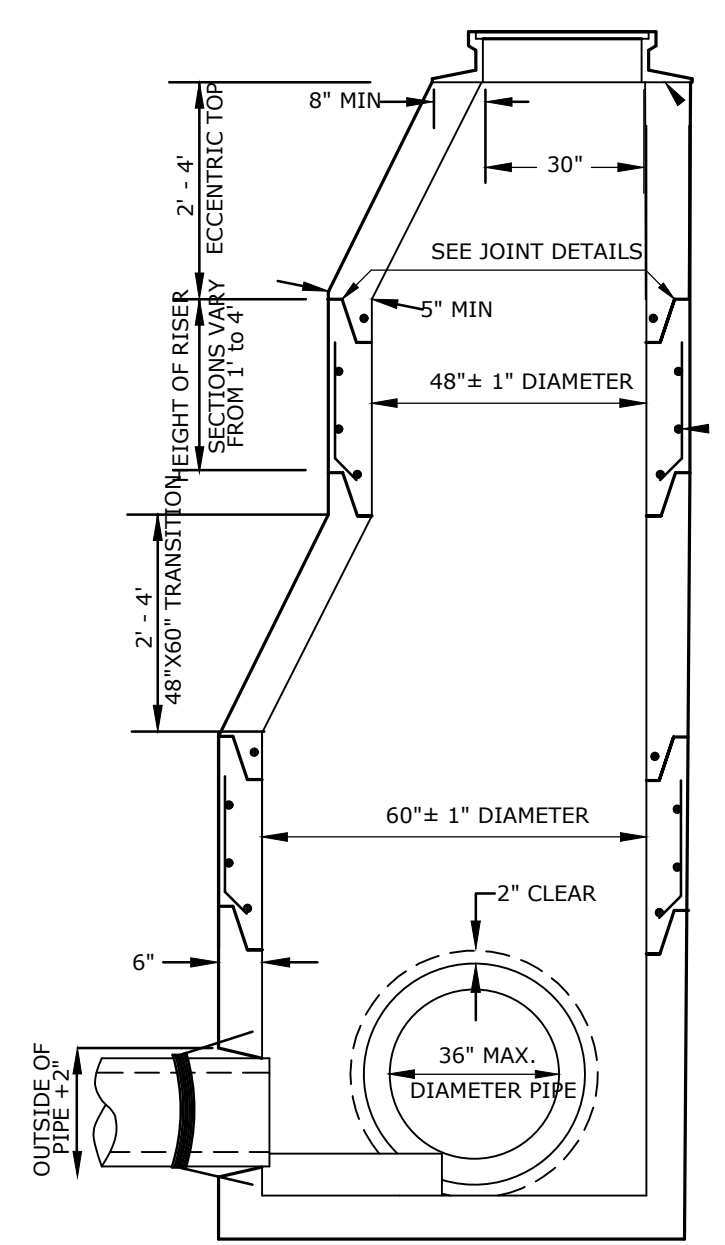
4' DIAMETER DRAIN MANHOLE
NO SCALE

- NOTES:**
- ALL SECTIONS SHALL BE 4,000 PSI CONCRETE.
 - CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
 - THE TONGUE AND GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR FOOT.
 - THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
 - CONSTRUCT CRUSHED STONE BEDDING AND BACKFILL UNDER (6" MINIMUM THICKNESS).
 - THE TONGUE AND GROOVE JOINT SHALL BE SEALED WITH ONE STRIP OF BUTYL RUBBER SEALANT.
 - PIPE ELEVATIONS SHOWN ON PLANS SHALL BE FIELD VERIFIED PRIOR TO PRECASTING.
 - OUTSIDE EDGES OF PIPES SHALL PROJECT NO MORE THAN 3" BEYOND INSIDE WALL OF STRUCTURE.
 - PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT 4" HIGH AT AN 11° ANGLE CENTERED IN THE WIDTH OF THE WALL AND SHALL BE ASSEMBLED USING AN APPROVED FLEXIBLE SEALANT IN JOINTS.
 - ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES, NO MORE THAN 75% OF A HORIZONTAL CROSS SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS.

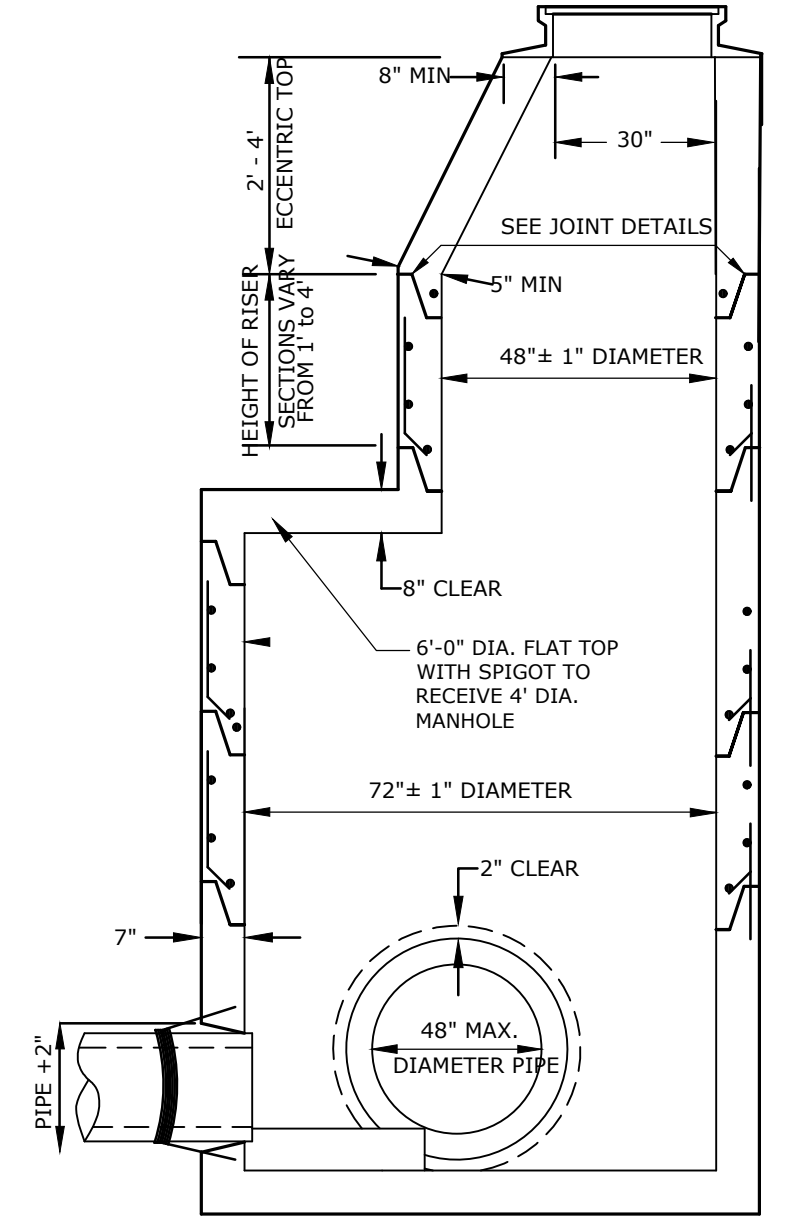


DRAIN MANHOLE FRAME & COVER
NO SCALE

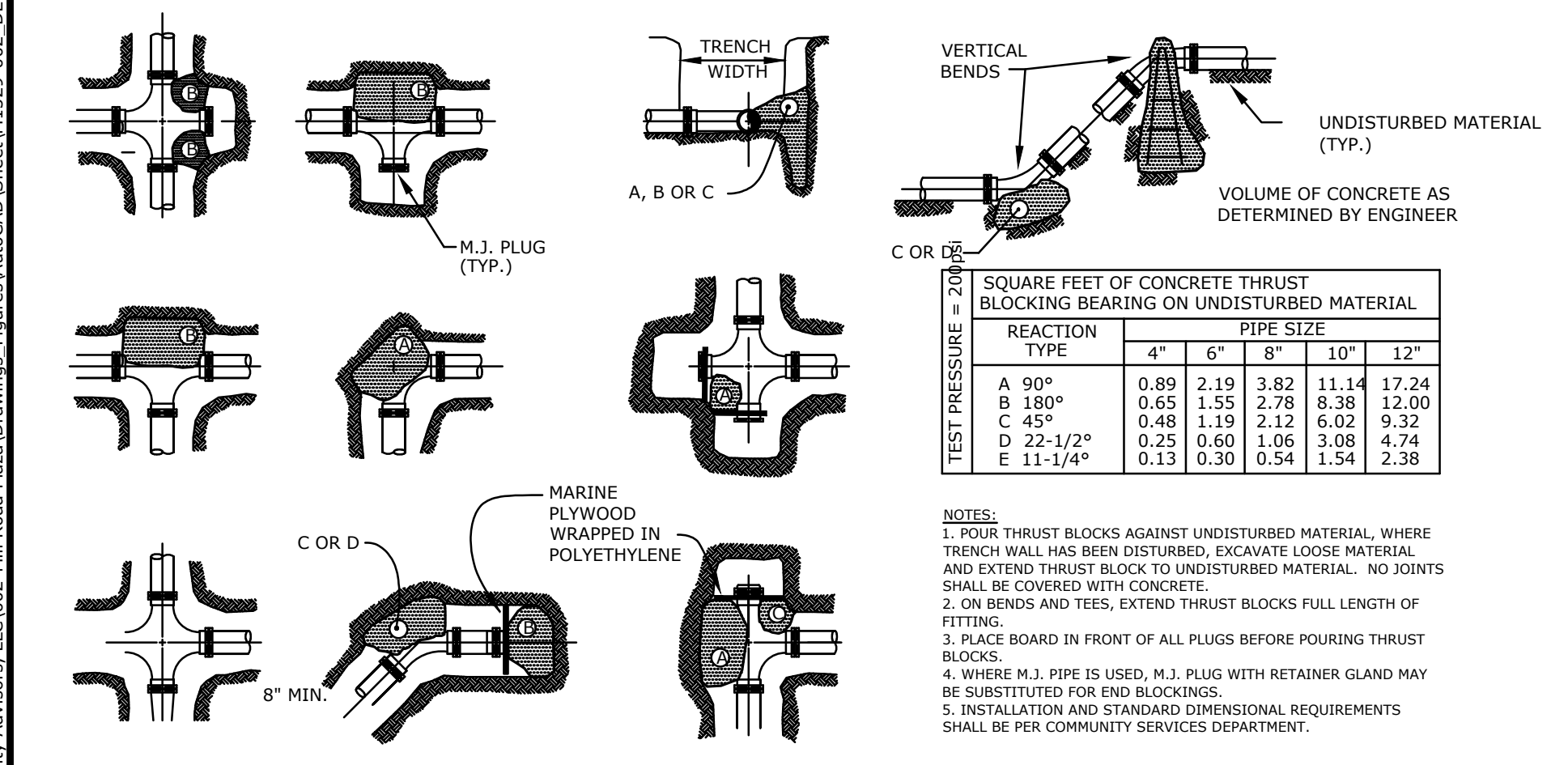
- NOTES:**
- ALL DIMENSIONS ARE NOMINAL.
 - FRAMES USING NARROWER DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
 - THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING.
 - THE INTERIOR PERIMETER (SEAT AREA) DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES ALLOW, WITHOUT SHIMS OR OTHER MODIFICATIONS OR ACCOMMODATIONS.
 - ALL OTHER PERTINENT REQUIREMENTS OF THE SPECIFICATIONS ARE MET.
 - LABEL TYPE OF MANHOLE WITH 3" HIGH LETTERS IN THE CENTER OF THE COVER.



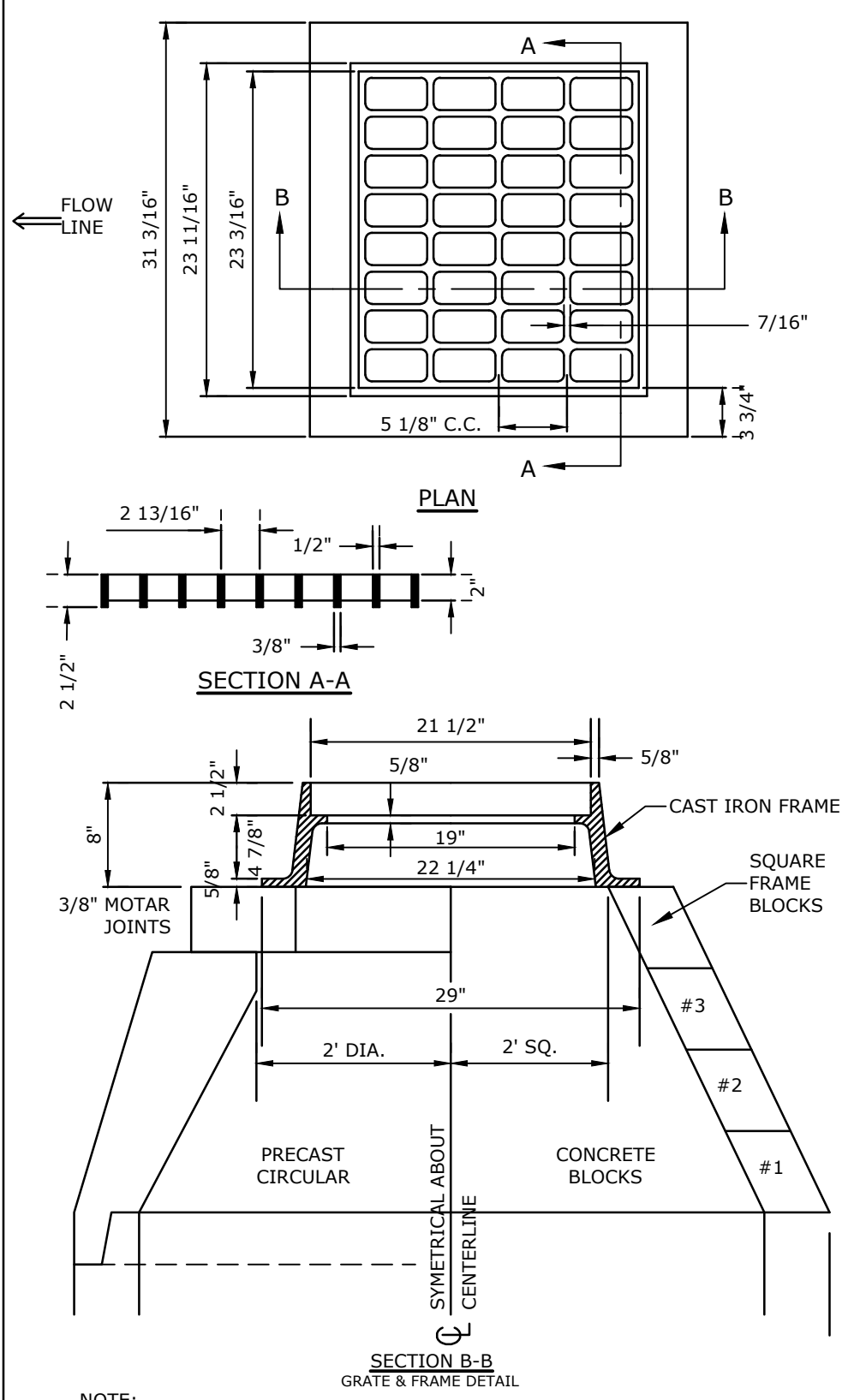
5' DIAMETER DRAIN MANHOLE
NO SCALE



6' DIAMETER DRAIN MANHOLE
NO SCALE

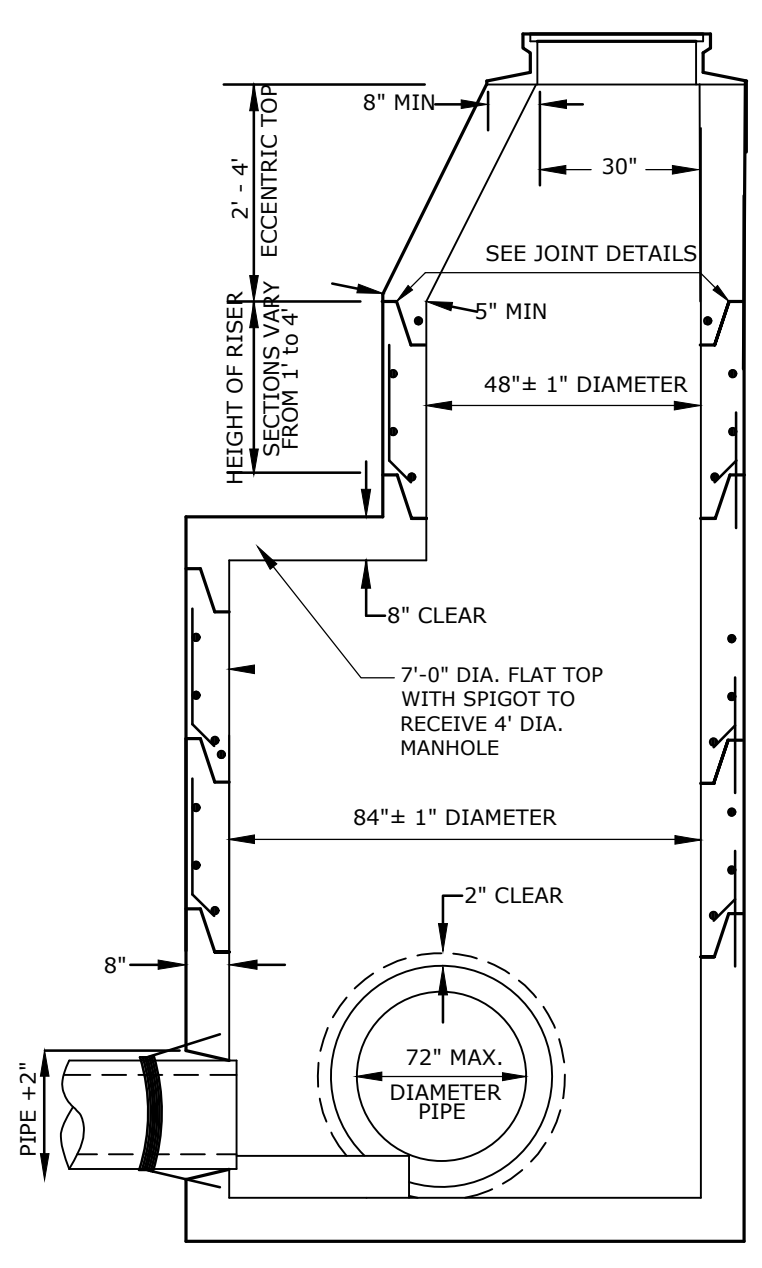


THRUST BLOCK DETAIL
NO SCALE



CATCH BASIN FRAME & GRATE
NO SCALE

- NOTES:**
- GRATE TO BE CAST IRON (NHDOT TYPE B ALTERNATE 1)
 - FRAME AND GRATE TO BE MANUFACTURED IN THE USA

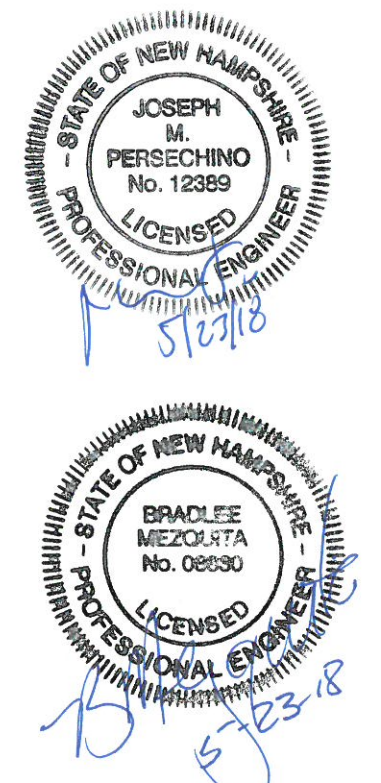


7' DIAMETER DRAIN MANHOLE
NO SCALE

- NOTES:**
- ALL SECTIONS SHALL BE 4,000 PSI CONCRETE.
 - CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
 - THE TONGUE AND GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR FOOT.
 - THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
 - CONSTRUCT CRUSHED STONE BEDDING AND BACKFILL UNDER (6" MINIMUM THICKNESS).
 - THE TONGUE AND GROOVE JOINT SHALL BE SEALED WITH ONE STRIP OF BUTYL RUBBER SEALANT.



Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION

Mill Plaza
Redevelopment

Colonial Durham
Associates, LP

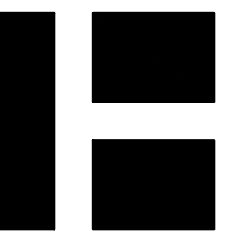
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
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| DATE: | 5/23/2018 | |
| FILE: | M1529-002_DETAILS.dwg | |
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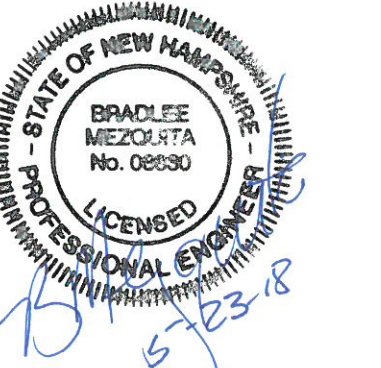
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SCALE: AS SHOWN

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Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION

Mill Plaza
Redevelopment

Colonial Durham
Associates, LP

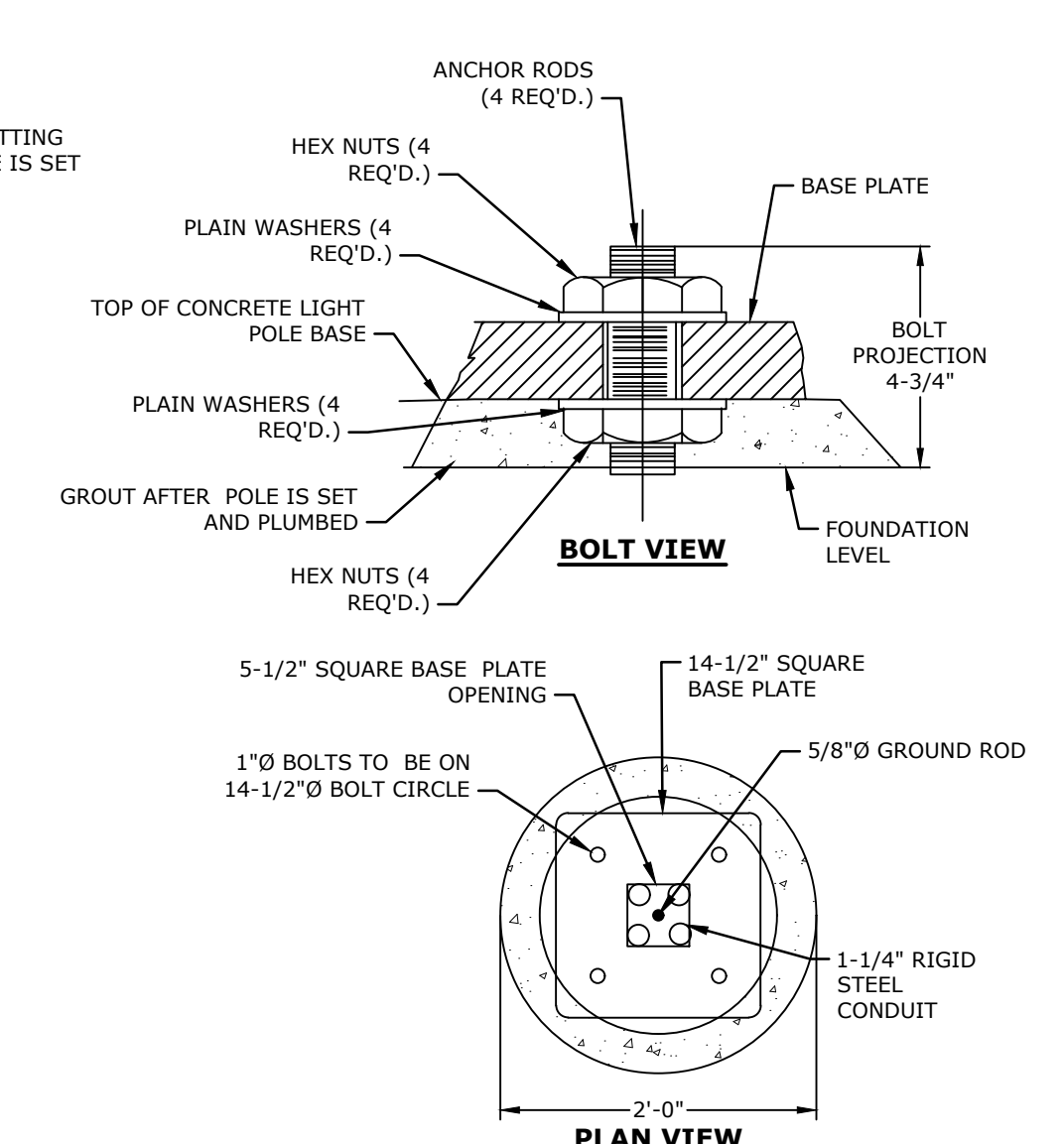
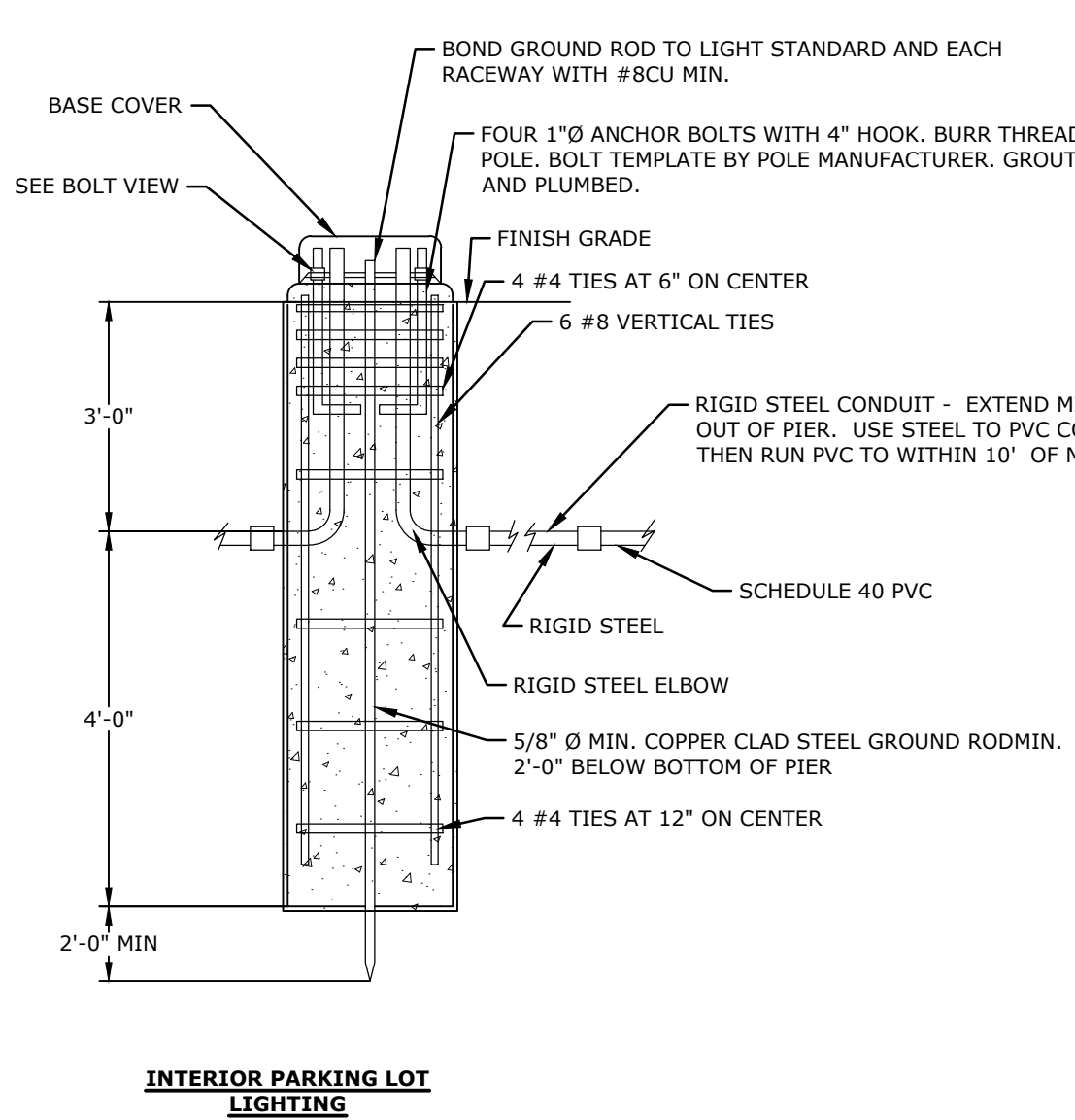
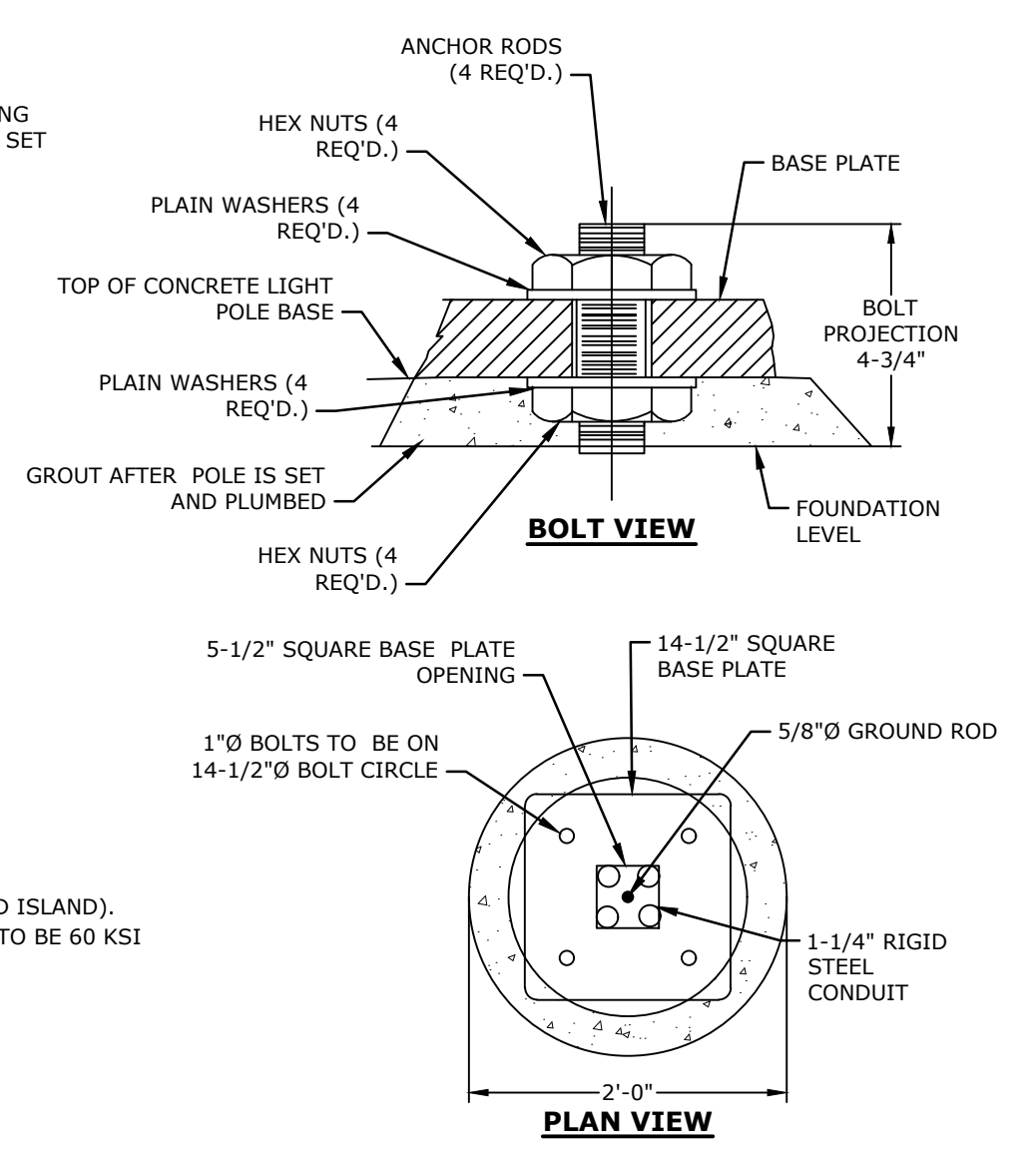
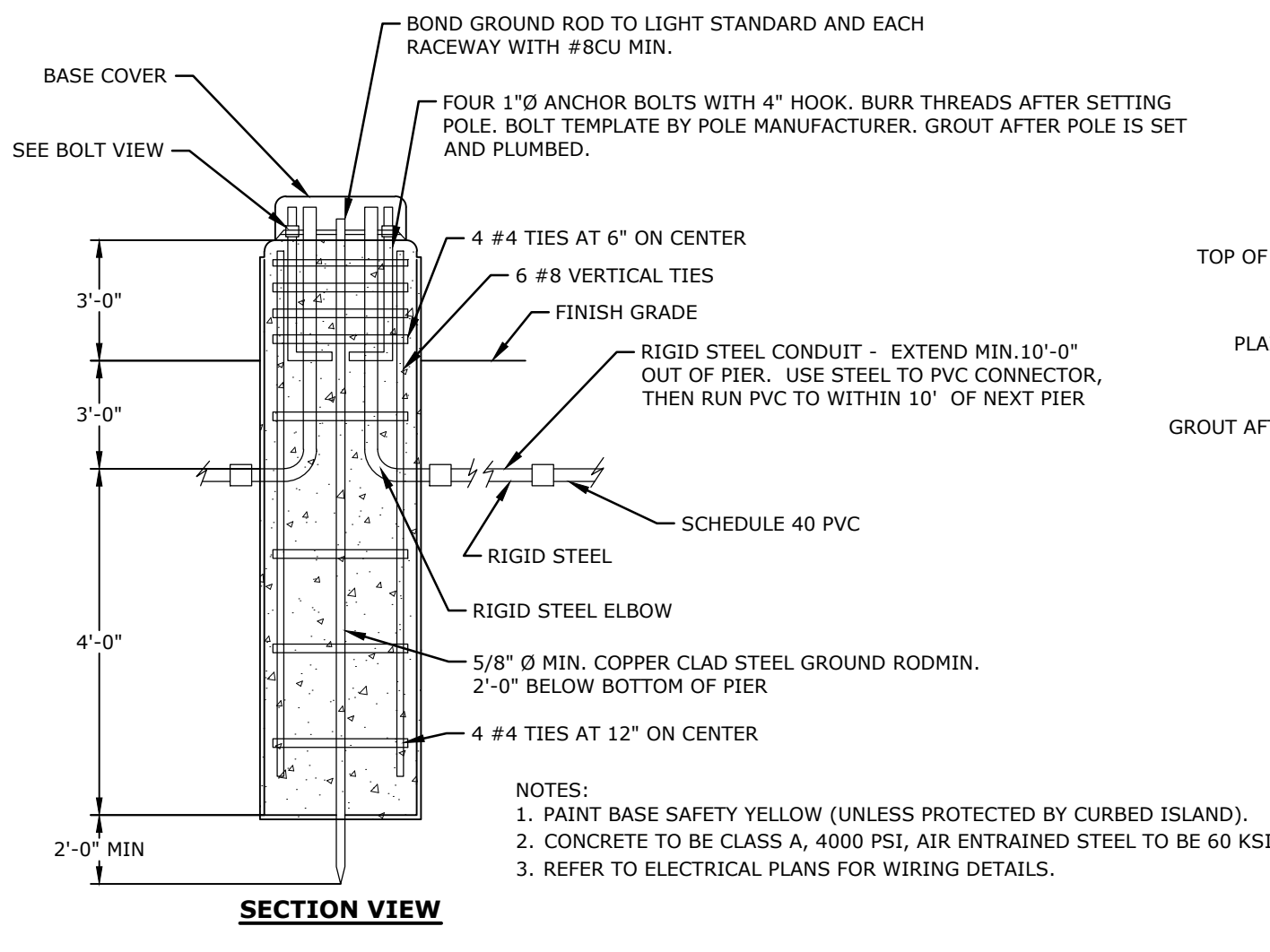
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
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| CHECKED: | JMP | |
| APPROVED: | BLM | |

DETAIL SHEET

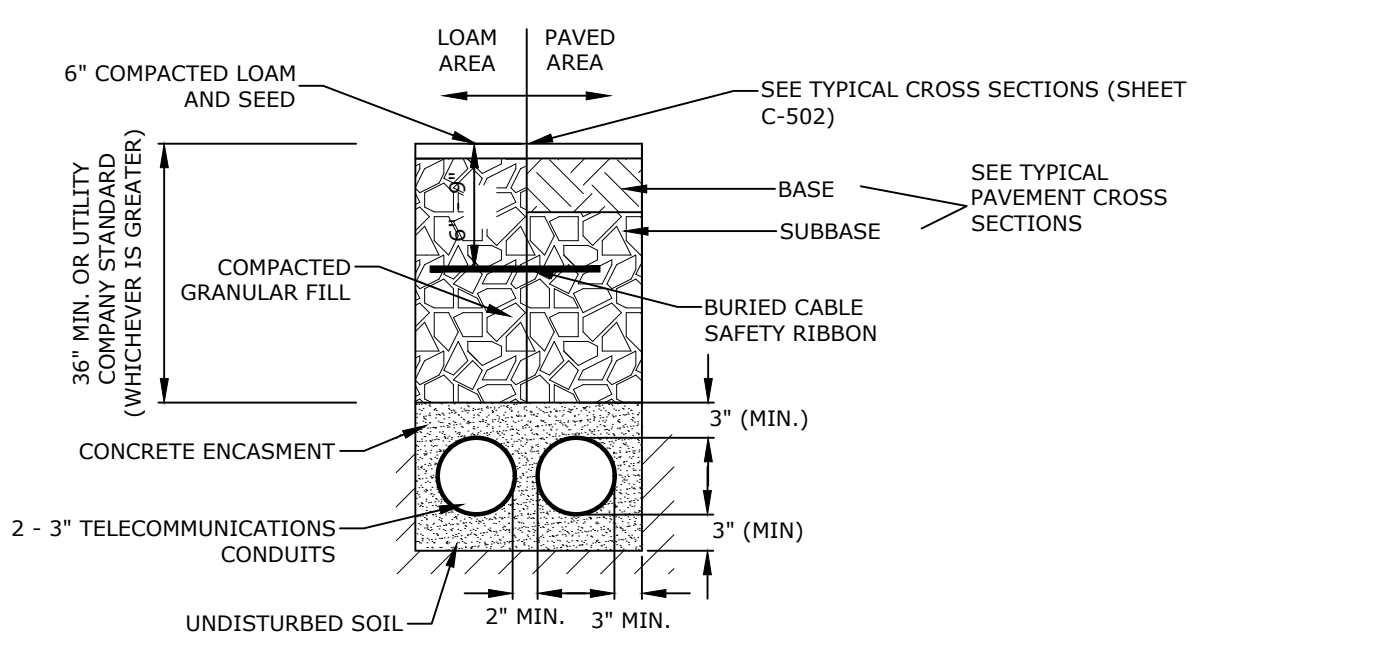
SCALE: AS SHOWN

C-505

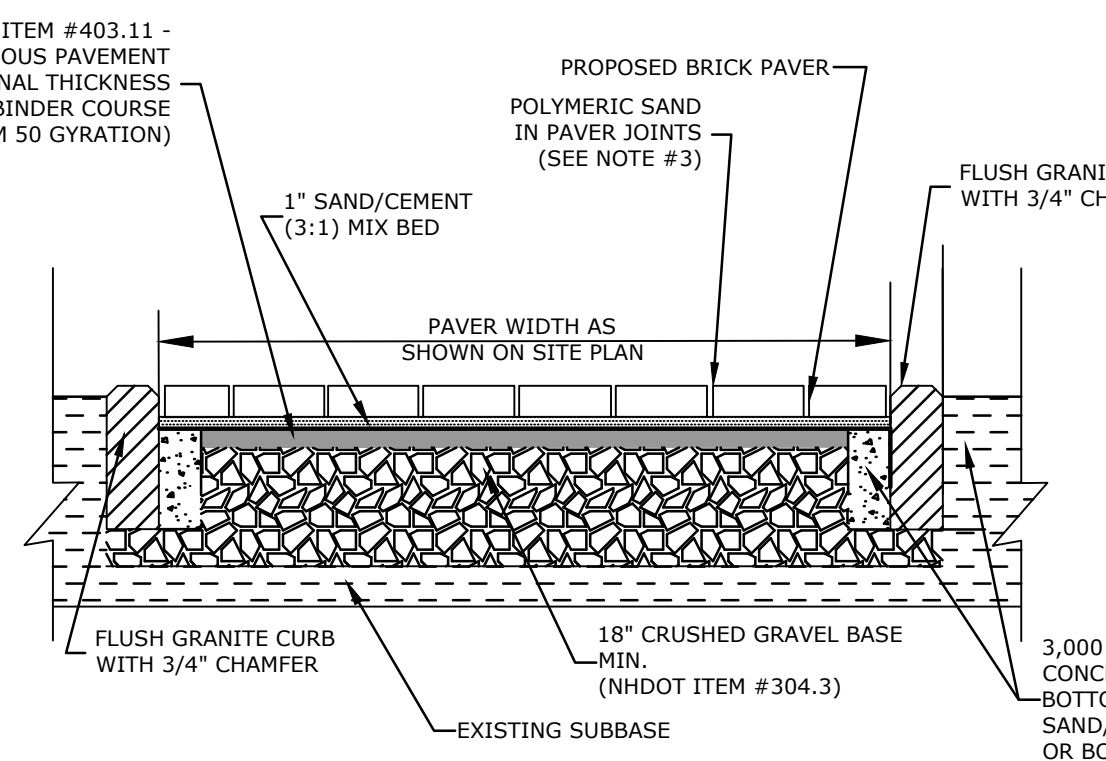


INTERIOR PARKING LIGHT POLE BASE
NO SCALE

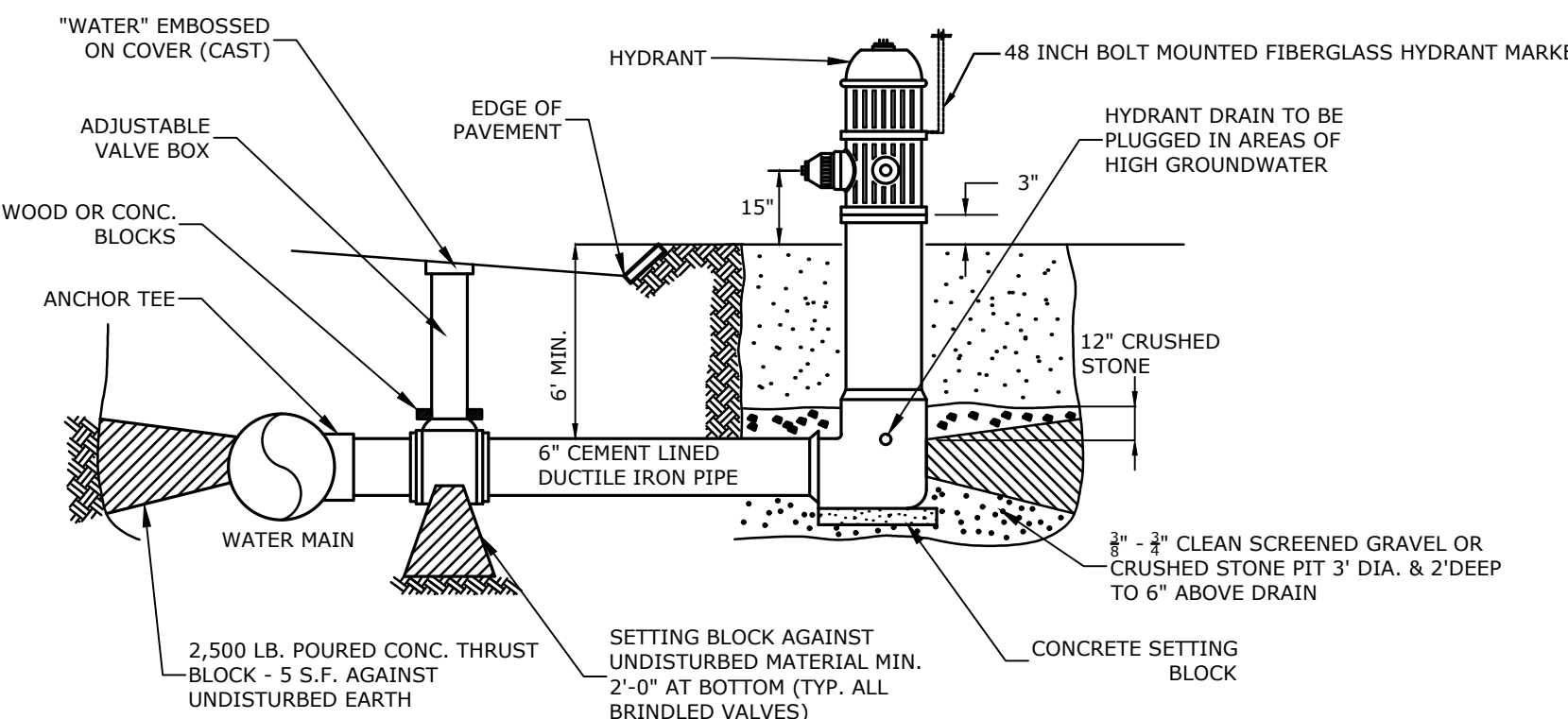
INTERIOR PARKING LOT LIGHTING



TELECOMMUNICATIONS CONDUIT
NO SCALE



BRICK PAVER DRIVE AISLE
NO SCALE

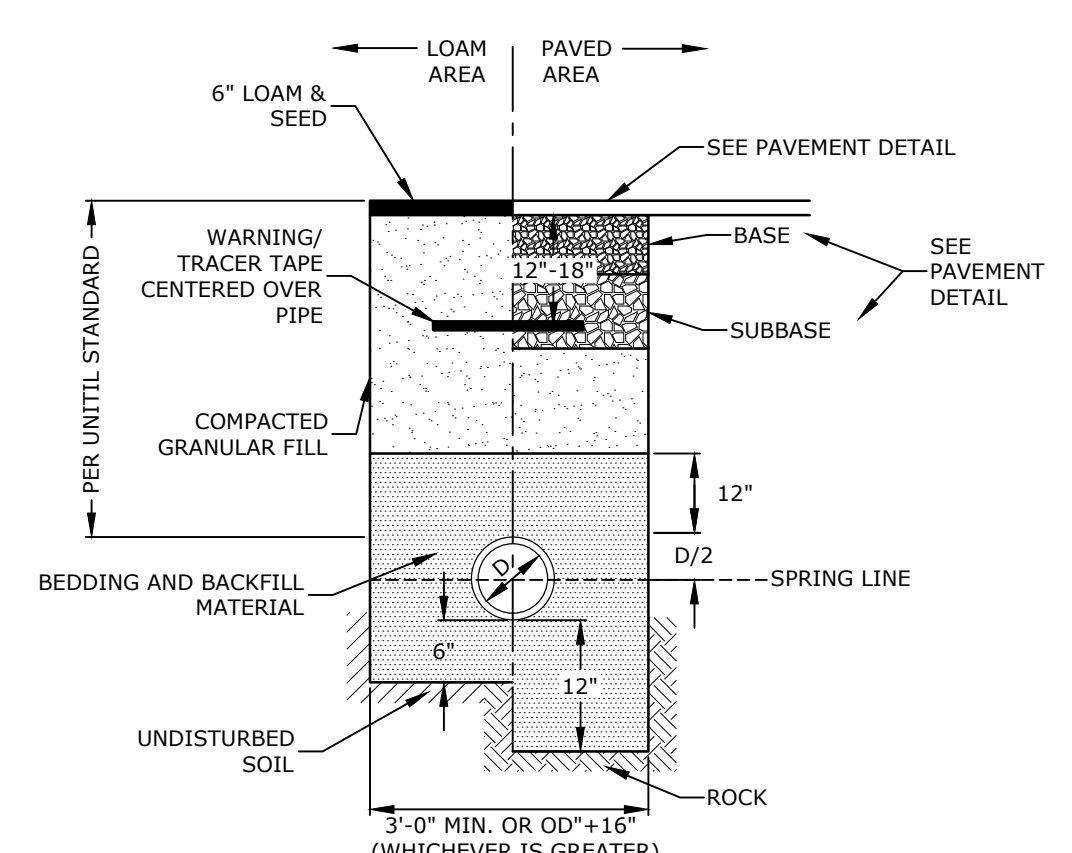


FIRE HYDRANT
NO SCALE

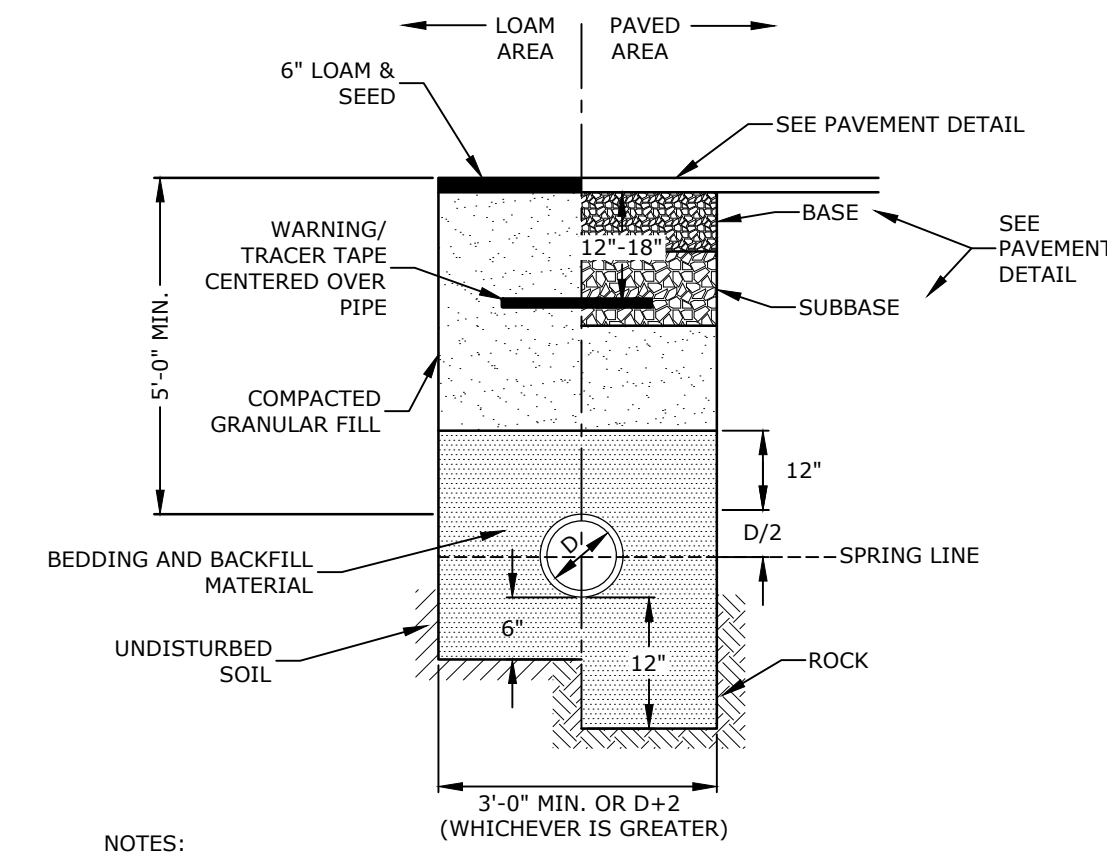
- NOTE:**
1. NUMBER, MATERIAL, AND SIZE OF UTILITY CONDUITS TO BE DETERMINED BY LOCAL UTILITY COMPANY.
 2. DIMENSIONS SHOWN REPRESENT OWNERS MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS MAY BE GREATER BASED ON UTILITY COMPANY STANDARDS, BUT SHALL NOT BE LESS THAN THOSE SHOWN.
 3. NO CONDUIT RUN SHALL EXCEED 360 DEGREES IN TOTAL BENDS.
 4. A SUITABLE PULLING STRING, CAPABLE OF 200 POUNDS OF PULL, MUST BE INSTALLED IN THE CONDUIT BEFORE UTILITY COMPANY IS NOTIFIED TO INSTALL CABLE. THE STRING SHOULD BE BLOWN INTO THE CONDUIT AFTER THE RUN IS ASSEMBLED TO AVOID BONDING THE STRING TO THE CONDUIT.
 5. UTILITY COMPANY MUST BE GIVEN THE OPPORTUNITY TO INSPECT THE CONDUIT PRIOR TO BACKFILL. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS SHOULD THE UTILITY COMPANY BE UNABLE TO INSTALL ITS CABLE IN A SUITABLE MANNER.
 6. ALL CONDUIT INSTALLATIONS MUST CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE, STATE AND LOCAL CODES AND ORDINANCES, AND, WHERE APPLICABLE, THE NATIONAL ELECTRIC CODE.
 7. ALL 90° SWEEPS WILL BE MADE USING RIGID GALVANIZED STEEL. SWEEPS WITH A 36 TO 48 INCH RADIUS.

- NOTES:**
1. FINAL COLOR AND PATTERN OF UNLOCK COURTSTONE CONCRETE PAVERS TO BE COORDINATED WITH TOWN OF DURHAM. CONTRACTOR SHALL PROVIDE SAMPLES TO THE TOWN PRIOR TO ORDERING MATERIALS.
 2. BEDDING MATERIAL SHALL BE A SAND/CEMENT MIX THAT IS 3 PARTS SAND AND 1 PART CEMENT. SAND SHALL CONFORM WITH ASTM C33 AND CEMENT SHALL BE PORTLAND CEMENT TYPE I/TYPE II.
 3. PAVER SAND SHALL BE POLYBIND XTRA PERFORMANCE POLYMERIC SAND. POLYMERIC SAND SHALL BE INSTALLED WITHIN ENTIRE PAVER JOINT FROM SETTING BED TO WITHIN 1/2" OF FINISH GRADE. NO MASON'S SAND OR OTHER COMPACTION SAND WILL BE ALLOWED. COORDINATE COLOR WITH DPW PRIOR TO ORDERING MATERIALS.

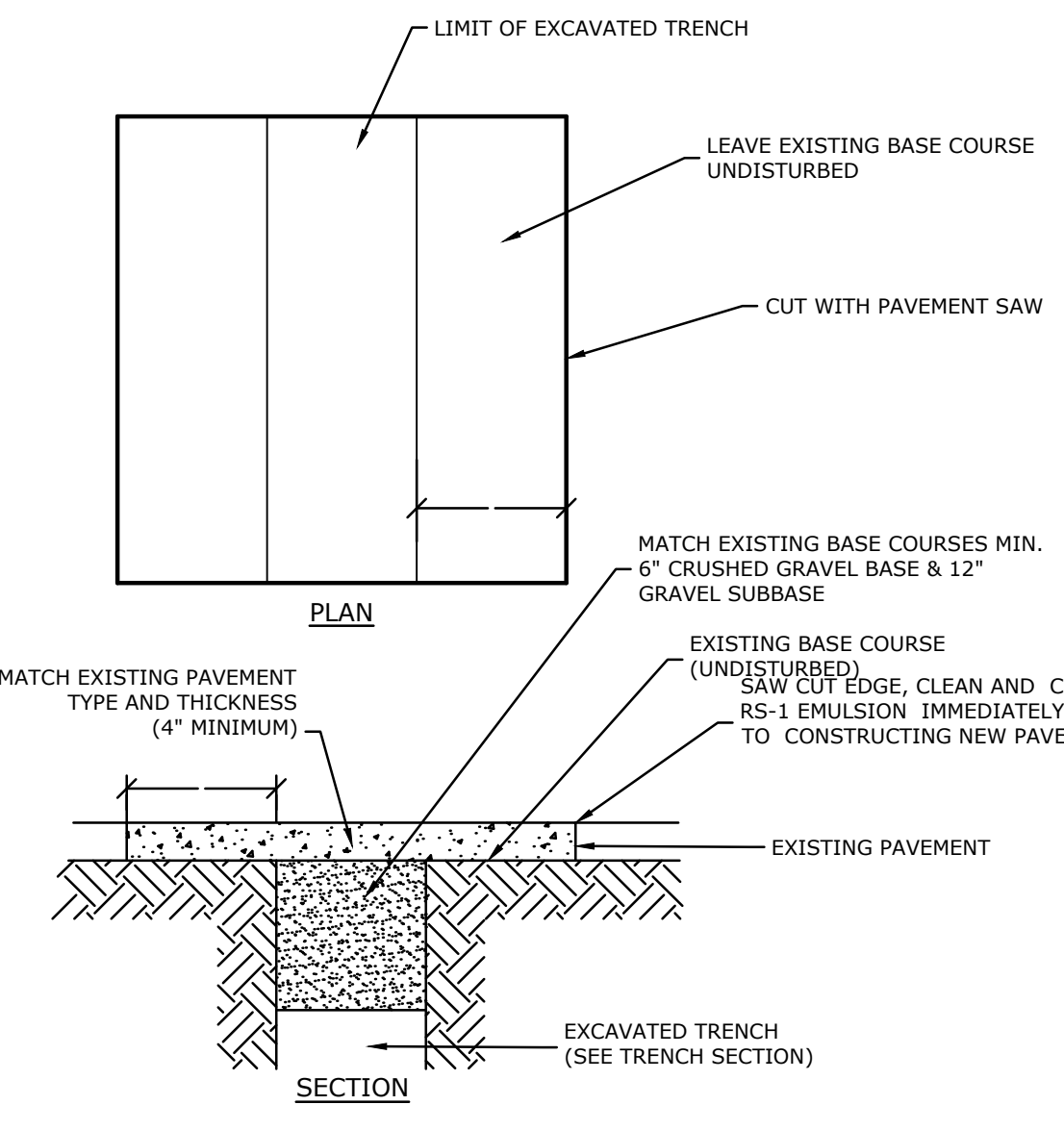
- NOTES:**
1. HYDRANT INSTALLATION AND OPERATION, MANUFACTURE AND MODEL, AND STANDARD DIMENSIONAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TOWN OF DURHAM WATER DEPARTMENT AND THE TOWN OF DURHAM FIRE DEPARTMENT.
 2. TIE RODS ON DI PIPE TO BE OPTIONAL. (IF USED THRUST BLOCK AT HYDRANT MAY BE OMITTED)
 3. HYDRANT MARKER TO BE 3/8" FIBERGLASS RODS BY E-ZGUIDE PRODUCTS OR APPROVED EQUAL.
 4. HYDRANT DRAINS ARE TO REMAIN PLUGGED REGARDLESS OF GROUNDWATER OR SOIL CONDITIONS.



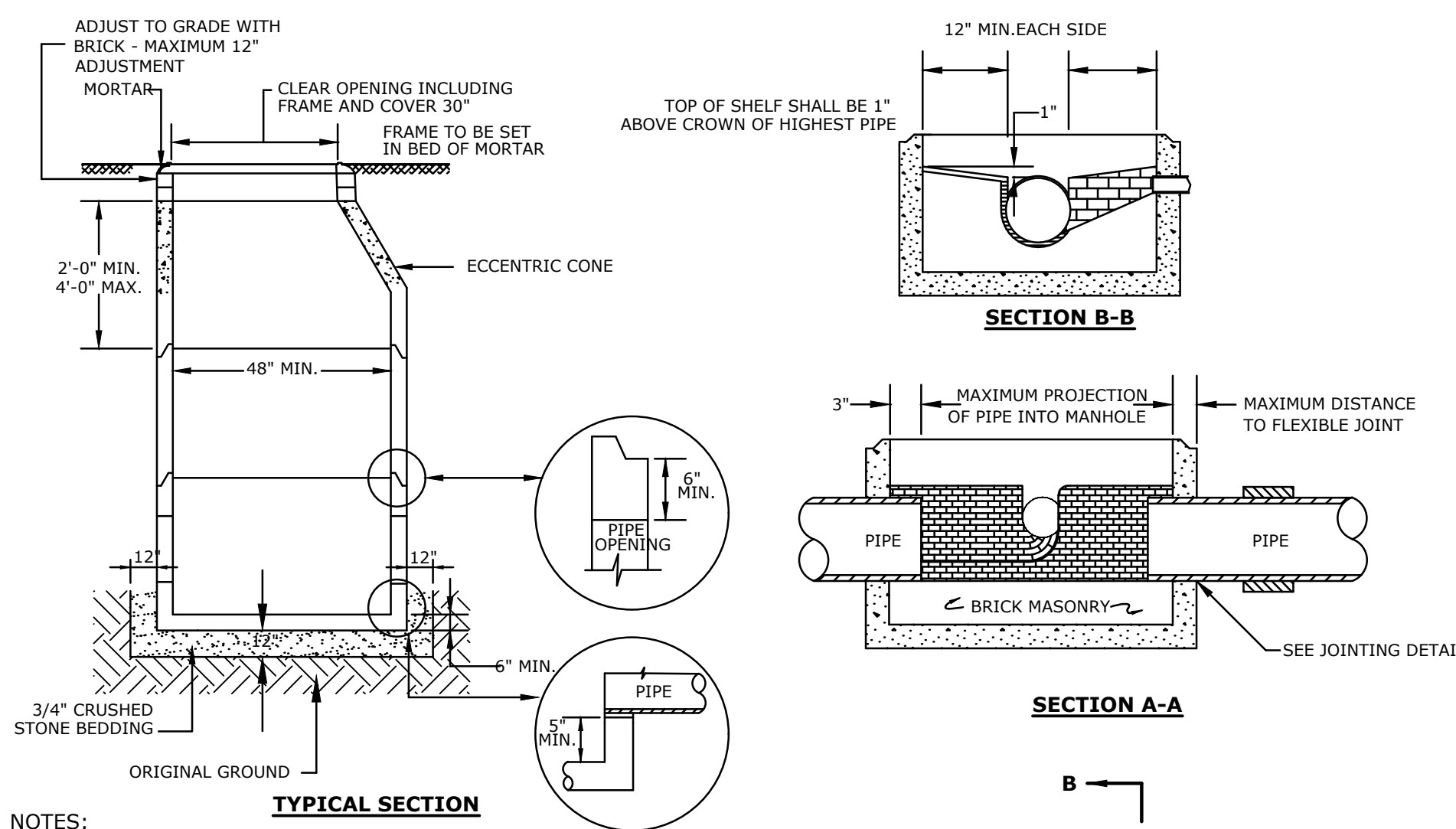
GAS TRENCH
NO SCALE



WATER TRENCH
NO SCALE



PAVEMENT TRENCH PATCH
NO SCALE



SEWER MANHOLE
NO SCALE

- NOTE:**
1. SAND BEDDING AND BACKFILL FOR FULL WIDTH OF THE TRENCH FROM 6" BELOW PIPE IN EARTH AND 12" BELOW PIPE IN ROCK UP TO 12" ABOVE TOP OF PIPE.
 2. WATER MAIN SHALL BE INSTALLED PER TOWN OF DURHAM STANDARDS. COORDINATE ALL INSTALLATIONS WITH UNITIL AND THE TOWN OF DURHAM.

- NOTES:**
1. SAND BEDDING AND BACKFILL FOR FULL WIDTH OF THE TRENCH FROM 6" BELOW PIPE IN EARTH AND 12" BELOW PIPE IN ROCK UP TO 12" ABOVE TOP OF PIPE.
 2. WATER MAIN SHALL BE INSTALLED PER TOWN OF DURHAM STANDARDS. COORDINATE ALL INSTALLATIONS WITH THE TOWN OF DURHAM.

- NOTES:**
1. INVERT AND SHELF TO BE PLACED AFTER EACH LEAKAGE TEST.
 2. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT.
 3. INVERT BRICKS SHALL BE LAID ON EDGE.
 4. BITUMINOUS WATERPROOF COATING TO BE APPLIED TO ENTIRE EXTERIOR OF MANHOLE. FRAMES AND COVERS MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. A 3-INCH (MINIMUM HEIGHT) WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER.
 5. HORIZONTAL JOINTS SHALL BE SEALED FOR WATER TIGHTNESS USING A DOUBLE ROW OF ELASTOMERIC OR MASTIC-LIKE SEALANT.
 6. BARREL AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE DESIGNED FOR H2O LOADING, AND CONFORMING TO ASTM C478-06.
 7. OUTSIDE DROPS ARE NOT PERMITTED. ANY PIPE GREATER THAN 8" IN DIAMETER USED FOR A DROP SHALL REQUIRE A FIVE FOOT (5') INSIDE DIAMETER MANHOLE.

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HARRIMAN
AUBURN PORTLAND PORTSMOUTH BOSTON
Harriman Project No. 16117



PERMIT SET
NOT FOR CONSTRUCTION

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

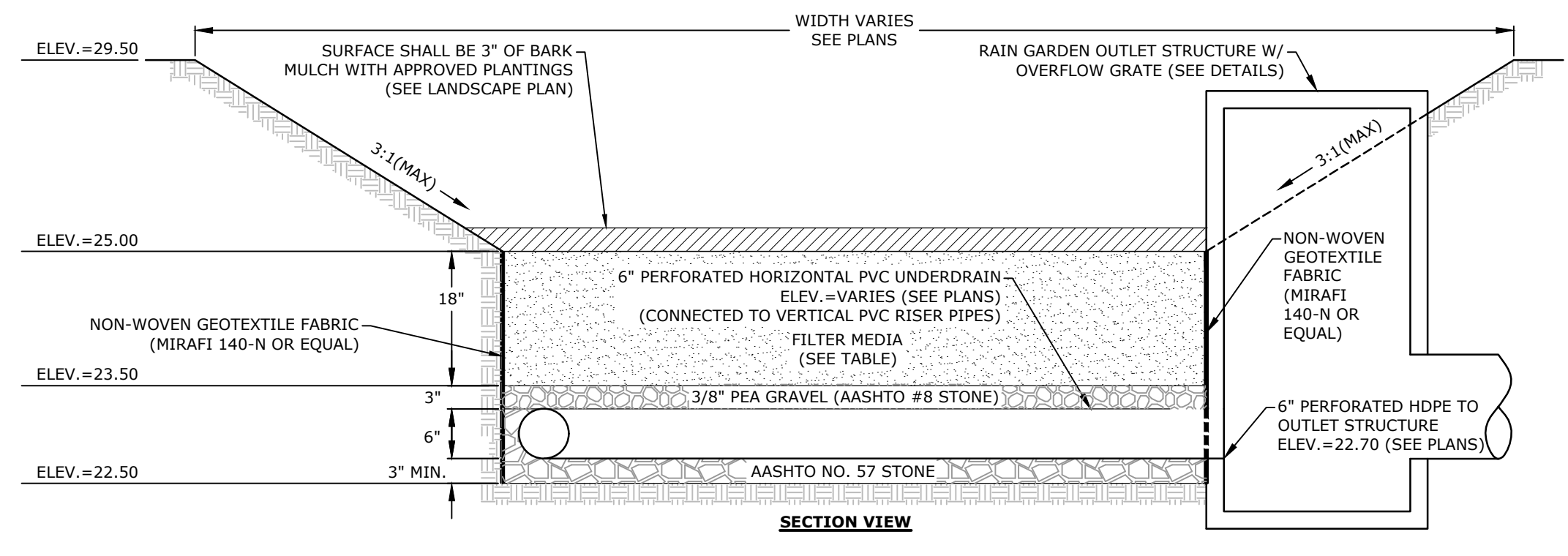
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|-----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_DETAILS.dwg | |
| DRAWN BY: | EGD | |
| CHECKED BY: | JMP | |
| APPROVED: | BLM | |

DETAIL SHEET

SCALE: AS SHOWN

C-506



RAIN GARDEN #2
NO SCALE

FILTER MEDIA COMPOSITION:

| COMPONENT MATERIAL | PERCENT OF MIXTURE BY VOLUME | GRADATION OF MATERIAL (SEE NOTE #5) |
|---|------------------------------|-------------------------------------|
| ASTM C-33 CONCRETE SAND | 50-55 | 15-25 |
| LOAMY SAND TOPSOIL | 20-30 | 200 |
| MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH | 20-30 | 200 |

- NOTES:**
- BARK MULCH SHALL BE AGED A MINIMUM OF 12 MONTHS AND SHALL NOT FLOAT.
 - RAIN GARDENS SHALL NOT BE PLACED INTO SERVICE UNTIL THE PRACTICE HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
 - DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. CONTRACTOR SHALL KEEP ALL EXCAVATION EQUIPMENT OUTSIDE OF THE LIMIT OF THE RAIN GARDEN.
 - SEE GRADING, DRAINAGE & EROSION CONTROL PLAN FOR LOCATIONS, LAYOUTS, AND ELEVATIONS.
 - THE SAND PORTION OF THE FILTER MEDIA SHALL MEET THE FOLLOWING GRADATION (ASTM C-33):

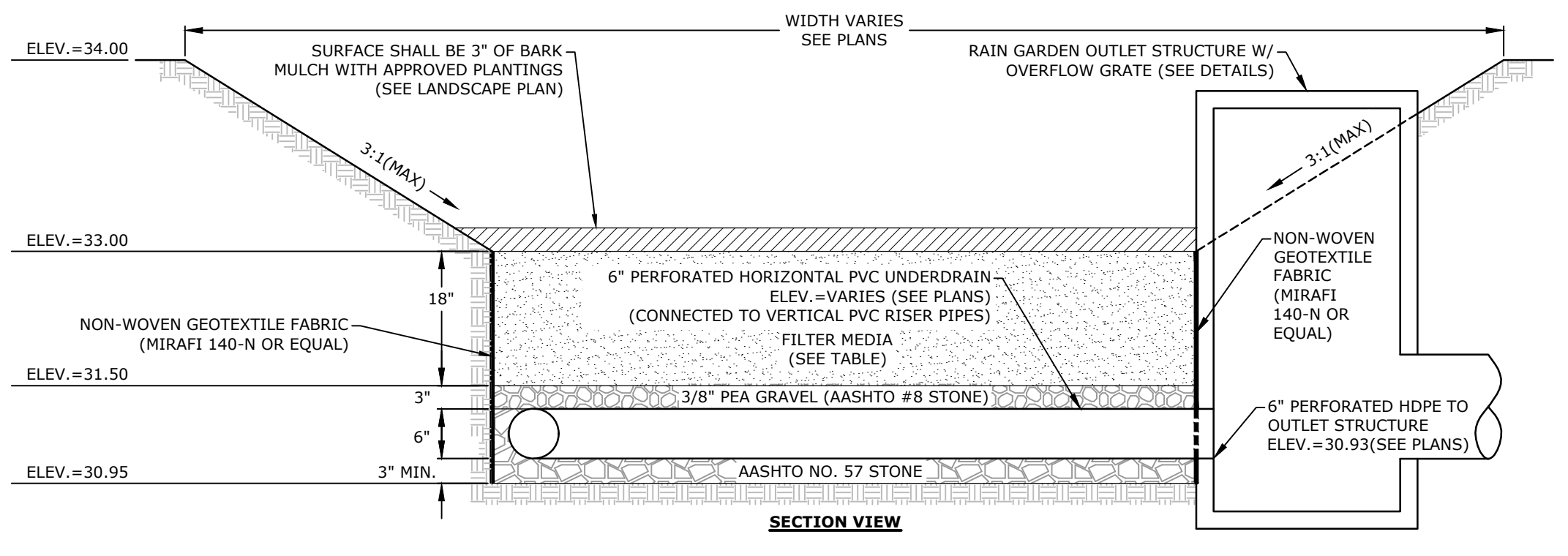
AASHTO #8 STONE (#8 to 3/8")

| SIEVE SIZE | % PASSING |
|------------|-----------|
| 1/2" | 100 |
| 3/8" | 85-100 |
| #4 | 10-30 |
| #8 | 0-10 |
| #16 | 0-5 |

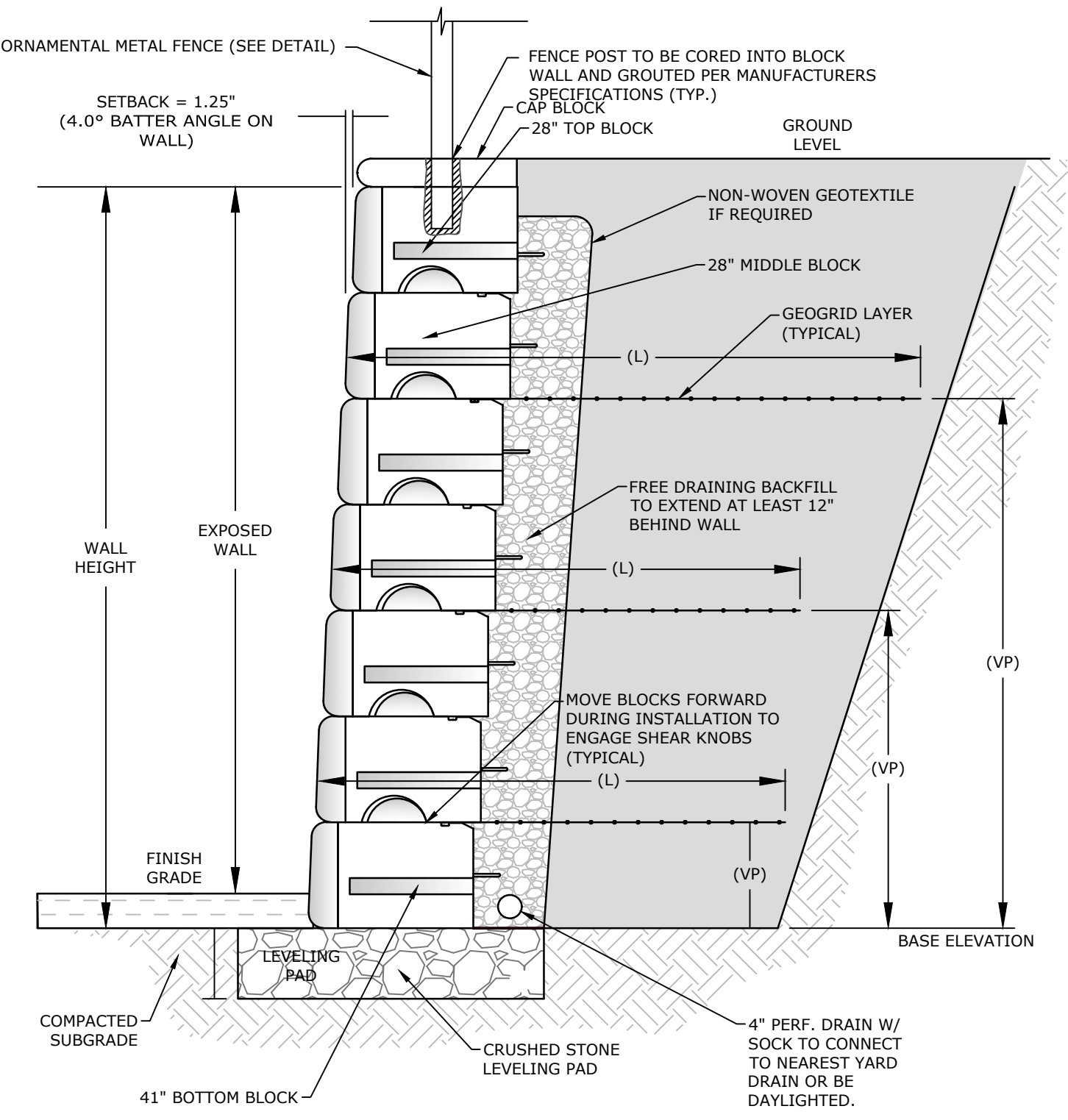
AASHTO #57 STONE (#4 to 1")

| SIEVE SIZE | % PASSING |
|------------|-----------|
| 1-1/2" | 100 |
| 1" | 95-100 |
| 1/2" | 25-60 |
| #4 | 0-10 |
| #8 | 0-5 |

RAIN GARDEN
NO SCALE



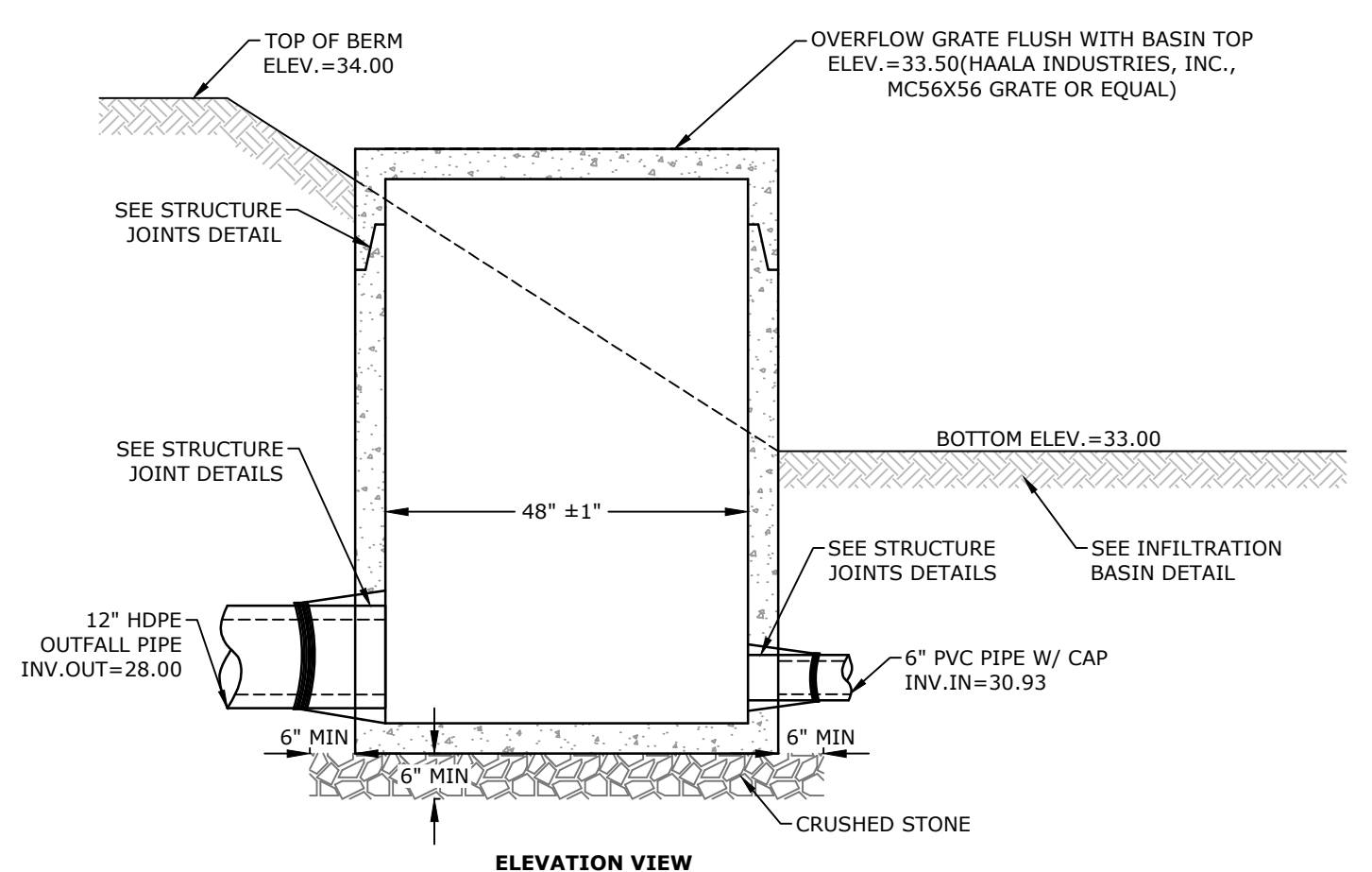
RAIN GARDEN #1
NO SCALE



- NOTES:**
- RETAINING WALL SHALL BE RED ROCK LEDGESTONE, OR APPROVED EQUAL.
 - THE CONTRACTOR SHALL SUBMIT DESIGN AND CALCULATIONS FOR THE RETAINING WALL THAT SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS. CALCULATIONS SHALL INCLUDE A GLOBAL STABILITY ANALYSIS.
 - MINIMUM DESIGN PARAMETERS:
 - GLOBAL STABILITY FACTOR OF SAFETY = 1.3
 - OVERTURNING FACTOR OF SAFETY = 2.0
 - SLIDING FACTOR OF SAFETY = 1.5
 - GEOGRID PULLOUT FACTOR OF SAFETY = 1.5
 - SEISMIC FACTOR OF SAFETY = 1.1
 - WALL DESIGNS SHALL CONSIDER EFFECTS OF SLOPE, TRAFFIC LOADS, BUILDING LOADS, GUARDRAIL AND/OR FENCING AS REQUIRED.
 - WALL DESIGN ENGINEER SHALL CONSIDER HEIGHT AND SPECIFY SAFETY RAIL WHERE REQUIRED
 - ALL INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION MANUAL AND THE WALL DESIGN ENGINEER'S DESIGN PLANS AND SPECIFICATIONS.
 - THE WALL DESIGN ENGINEER SHALL COMPLETE SUFFICIENT INSPECTIONS DURING CONSTRUCTION TO CERTIFY WORK IS COMPLETED IN ACCORDANCE WITH DESIGN.
 - CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS OF WALL WITH WALL DESIGNER'S CERTIFICATION TO OWNER.
 - CONTRACTOR SHALL DIRECT SURFACE RUNOFF AWAY FROM THE WALL DURING CONSTRUCTION.
 - ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT OR OTHER SURFACE TREATMENT SHALL BE INSTALLED IN THE AREA OF THE WALL IMMEDIATELY AFTER THE WALL IS COMPLETE OR OTHER MEASURES SHALL BE TAKEN TO PROTECT THE WALL FROM RUNOFF.
 - CONTRACTOR SHALL SUPPLY SAMPLE TO THE OWNER FOR APPROVAL PRIOR TO WALL CONSTRUCTION.

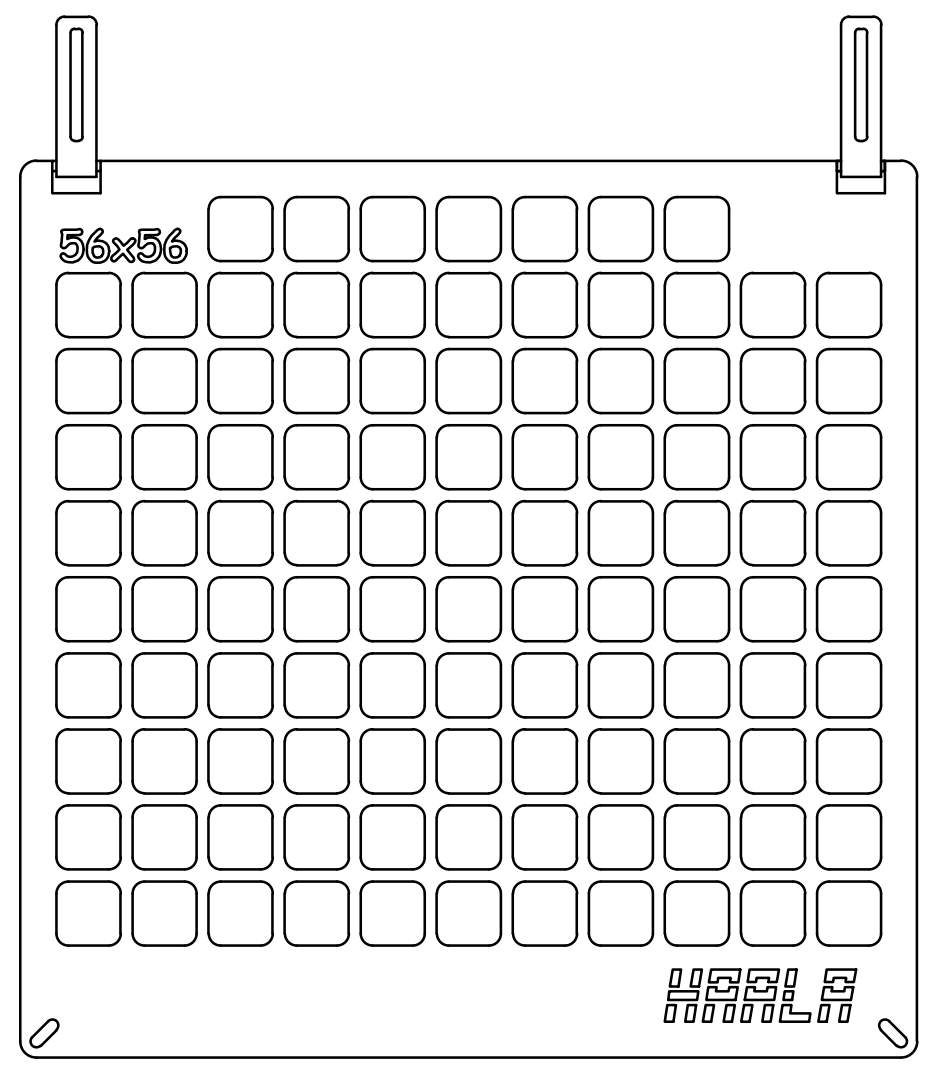
(VP) = VERTICAL PLACEMENT OF GEOGRID LAYERS. MEASUREMENTS ARE FROM THE BASE ELEVATION.
(L) = LENGTH OF GEOGRID. MEASUREMENTS ARE FROM THE FACE OF THE BLOCK.

RETAINING WALL
NO SCALE



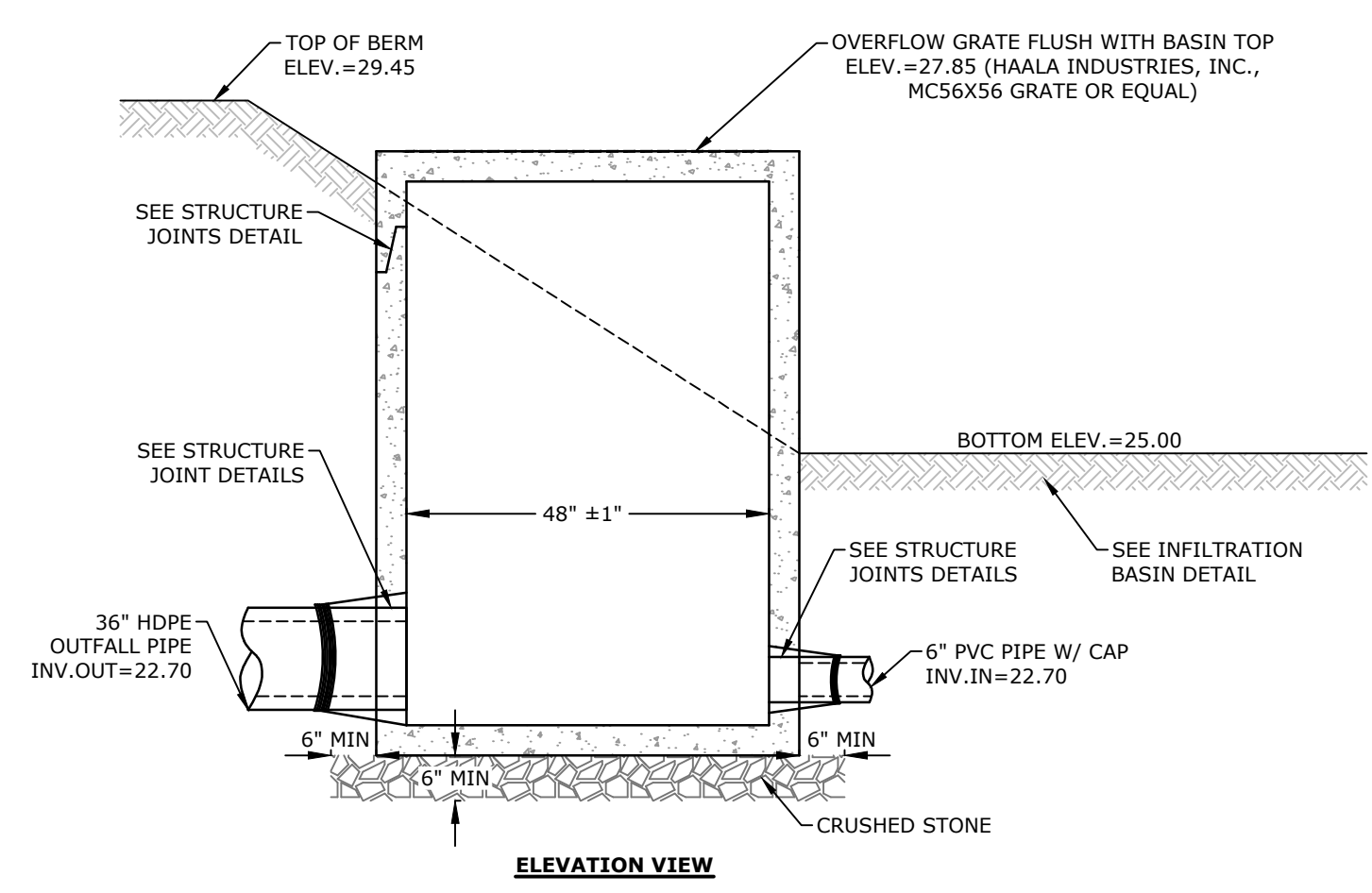
- NOTES:**
- ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT).
 - CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER OF THE THIRD WALL.
 - THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR FOOT.
 - THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
 - ALL JOINTS ON THE STRUCTURE AND PIPING SHALL BE WATERTIGHT.

PROPOSED OUTLET STRUCTURE (POS1)
NO SCALE



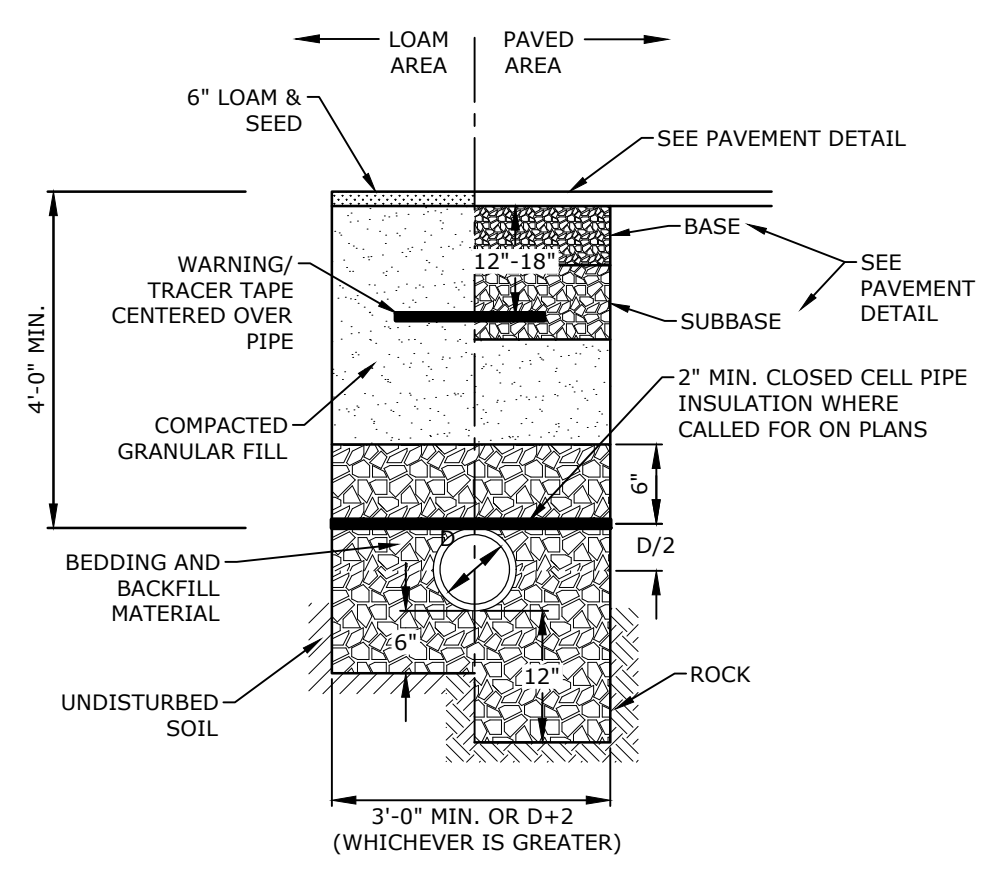
HAALA MICHIE CORP. TOP GRATE (56X56)
NO SCALE

- NOTES:**
- GRATE TO BE CONSTRUCTED OF 3/8" THICK GALVANIZED PLATE.
 - GRATE TO BE SECURED TO CONCRETE STRUCTURE.



- NOTES:**
- ALL SECTIONS SHALL BE 4,000 PSI CONCRETE (TYPE II CEMENT).
 - CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER OF THE THIRD WALL.
 - THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR FOOT.
 - THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
 - ALL JOINTS ON THE STRUCTURE AND PIPING SHALL BE WATERTIGHT.

PROPOSED OUTLET STRUCTURE (POS 2)
NO SCALE



- NOTES:**
- CRUSHED STONE BEDDING AND BACKFILL FOR FULL WIDTH OF THE TRENCH FROM 6" BELOW PIPE IN EARTH AND 12" BELOW PIPE IN ROCK UP TO 6" ABOVE TOP OF PIPE.
 - ALL UTILITIES SHALL BE INSTALLED PER THE INDIVIDUAL UTILITY COMPANY STANDARDS. COORDINATE ALL INSTALLATIONS WITH INDIVIDUAL UTILITY COMPANIES AND THE TOWN OF DURHAM.

STORM DRAIN TRENCH
NO SCALE

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 Plotted On May 23, 2018 - 12:01pm By: E.Doremus
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DESIGN NOTES:

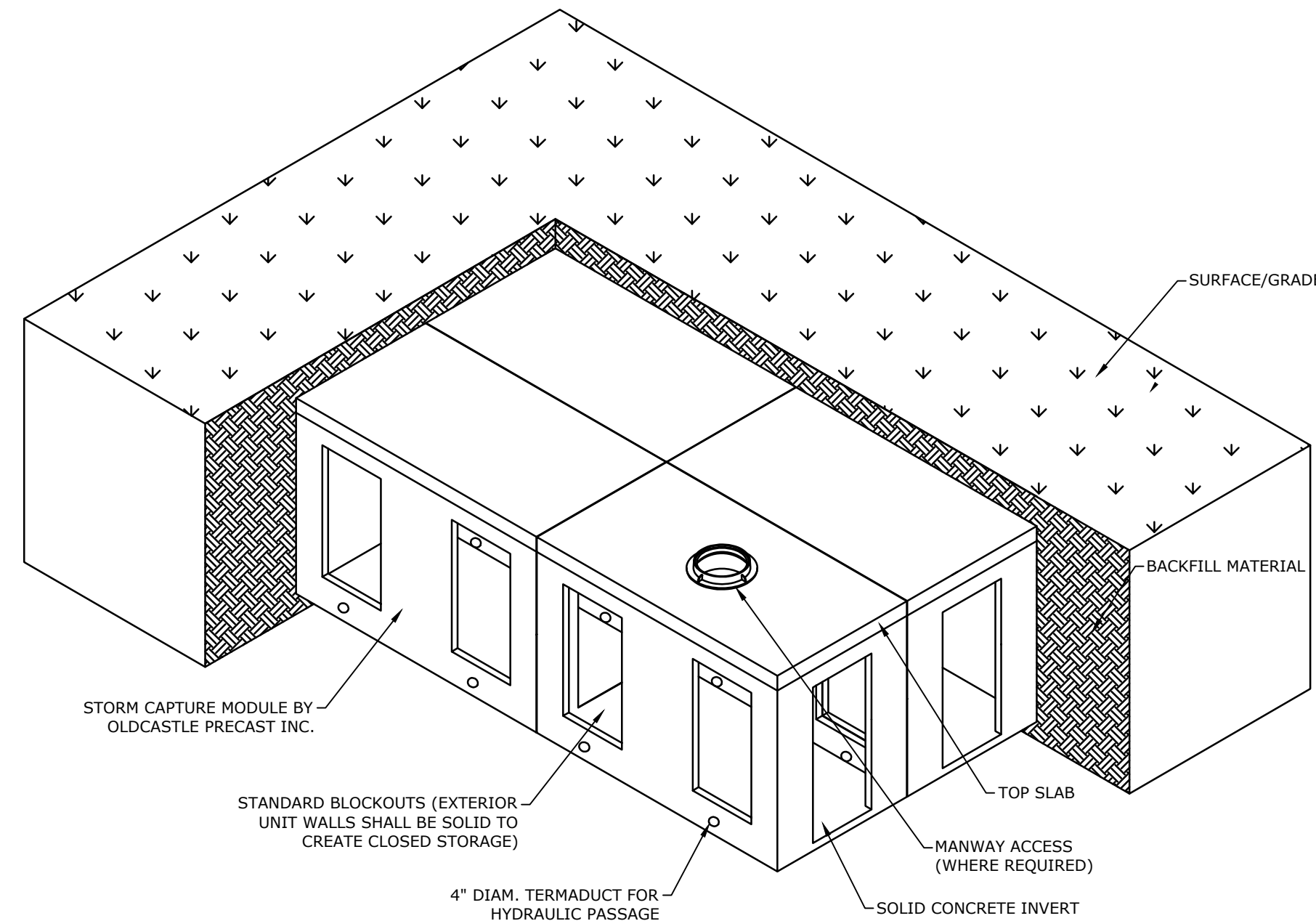
- DESIGN LOADINGS:
 - AASHTO HS-20-44 W/ IMPACT.
 - DEPTH OF COVER = 6" - 5'-0".
 - EQUIVALENT FLUID PRESSURE = 45 PCF.
 - LATERAL LIVE LOAD SURCHARGE = 80 PSF.
 - NO LATERAL SURCHARGE FROM ADJACENT STRUCTURES.
- CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 6,000 PSI.
- STEEL REINFORCEMENT: REBAR, ASTM A-615, GRADE 60.
- CEMENT: ASTM C-150 SPECIFICATION.
- STORM CAPTURE MODULE TYPE = DETENTION.
- RECOMMENDED BASE LAYER DEPTH = 12" STONE BEDDING LAYER.
- REQUIRED NATIVE ALLOWABLE SOIL BEARING PRESSURE = 3,000 PSF.
- REFERENCE STANDARDS:
 - ASTM C 890
 - ASTM C 891
 - ASTM C 913
- LESS THAN 6" OR GREATER THAN 5' OF COVER REQUIRES CUSTOM STRUCTURAL DESIGN AND MAY REQUIRE THICKER SUBGRADE.

INSTALLATION NOTES

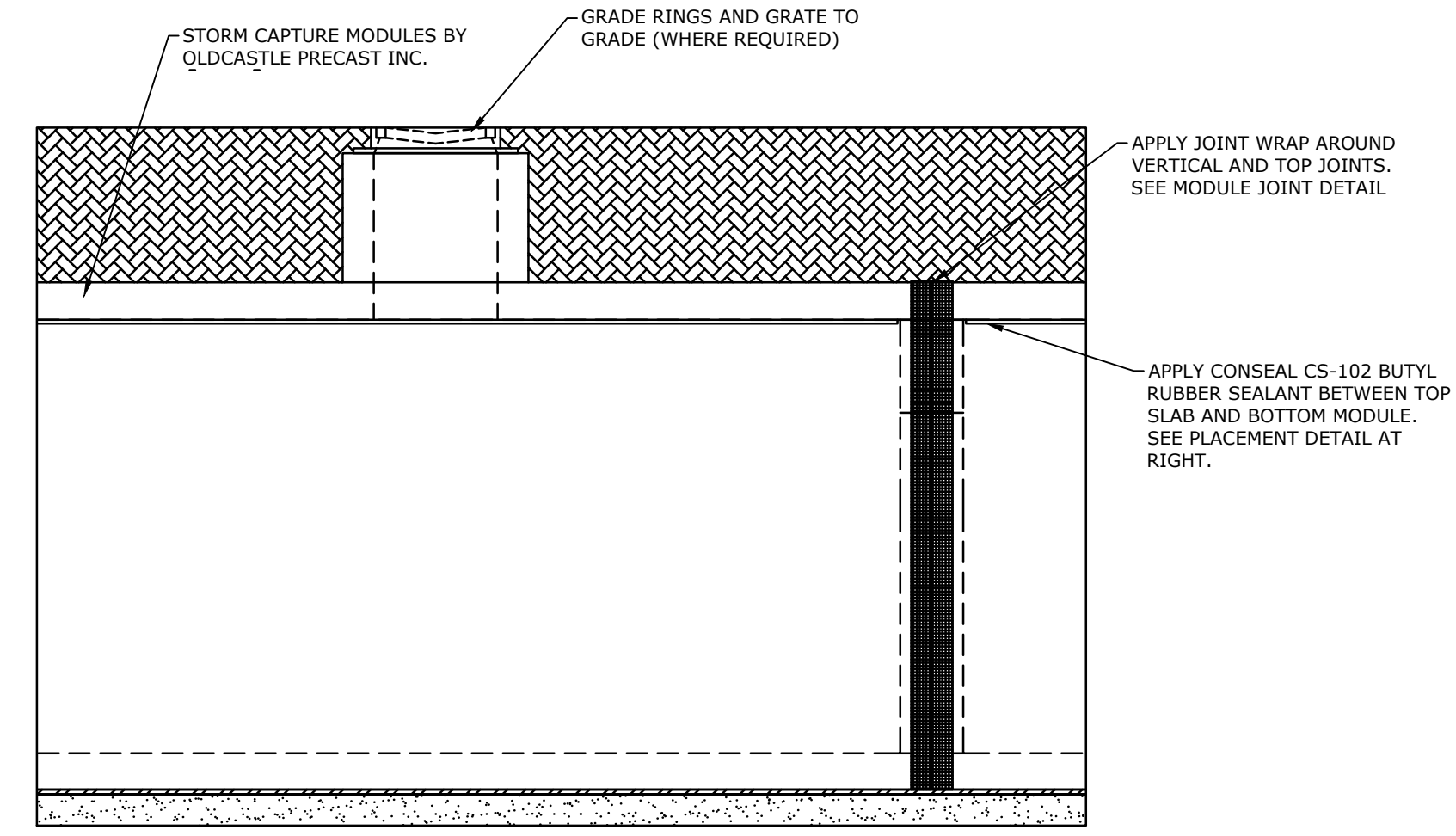
- THE STORM CAPTURE™ MODULE SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH ASTM C891, INSTALLATION OF UNDERGROUND PRECAST UTILITY STRUCTURES. PROJECT PLAN AND SPECIFICATIONS MUST BE FOLLOWED ALONG WITH ANY APPLICABLE REGULATIONS.
- PLAN LINE, GRADE AND ELEVATIONS MUST BE FOLLOWED.
- WHERE SPECIFIED, AN 8 OZ. NON-WOVEN GEOTEXTILE FABRIC MUST BE USED AS A SEPARATION LAYER AROUND THE STORM CAPTURE SYSTEM.
- PENETRATIONS IN THE GEOTEXTILE MAY ONLY BE MADE WITH SMOOTH WALL PIPES. MAKE PENETRATIONS FOR ALL OUTLETS BEFORE MAKING PENETRATIONS FOR ANY INLETS.
- ALL SUBGRADE MATERIALS IF SPECIFIED, MUST BE CLEAN, DURABLE CRUSHED AGGREGATE COMPACTED OR ROLLED TO ACHIEVE 95% STANDARD PROCTOR DENSITY. OLDCASTLE RECOMMENDS SIZE 5,56, OR 57 (PER ASTM C33).
- DESIGNATED EMBEDDED LIFTERS MUST BE USED. USE PROPER RIGGING TO ASSURE ALL LIFTERS ARE EQUALLY ENGAGED WITH A MINIMUM 60 DEGREE ANGLE ON SLINGS AS NOTED AND IN ACCORDANCE WITH OLDCASTLE LIFTING PROCEDURES.
- MODULES MUST BE PLACED AS CLOSE TOGETHER AS POSSIBLE, AND GAPS SHALL NOT BE GREATER THAN 3/4". ALL EXTERIOR SYSTEM JOINTS SHALL BE COVERED WITH A MIN. 8" JOINT WRAP ON SIDES AND TOP (CS-212 CONSEAL OR EQUIVALENT). IN A CLAMHELL DESIGN INSTALL ONE ROW CS-102 CONSEAL (OR EQUIVALENT) BETWEEN PRECAST PIECES.
- AUTHORIZATION SHOULD BE GIVEN BY THE PROJECT ENGINEER OR DESIGNATED PERSON PRIOR TO PLACEMENT ON BACKFILL FOR THE SYSTEM. CARE SHOULD BE TAKEN DURING PLACEMENT OF BACKFILL NOT TO DISPLACE MODULES OR JOINT WRAP. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY OR AS SPECIFIED, AND SHOULD NOT BE COMPACTED WITHIN 6" OF MODULE.
- CONSTRUCTION EQUIPMENT EXCEEDING DESIGN LOADING SHALL NOT BE ALLOWED ON STRUCTURE.
- TERMAUCTS TO BE KNOCKED OUT AT SPECIFIED LOCATIONS IN FIELD BY OTHERS. SEE SITE LAYOUT FOR LOCATIONS.

INLETS AND RISERS

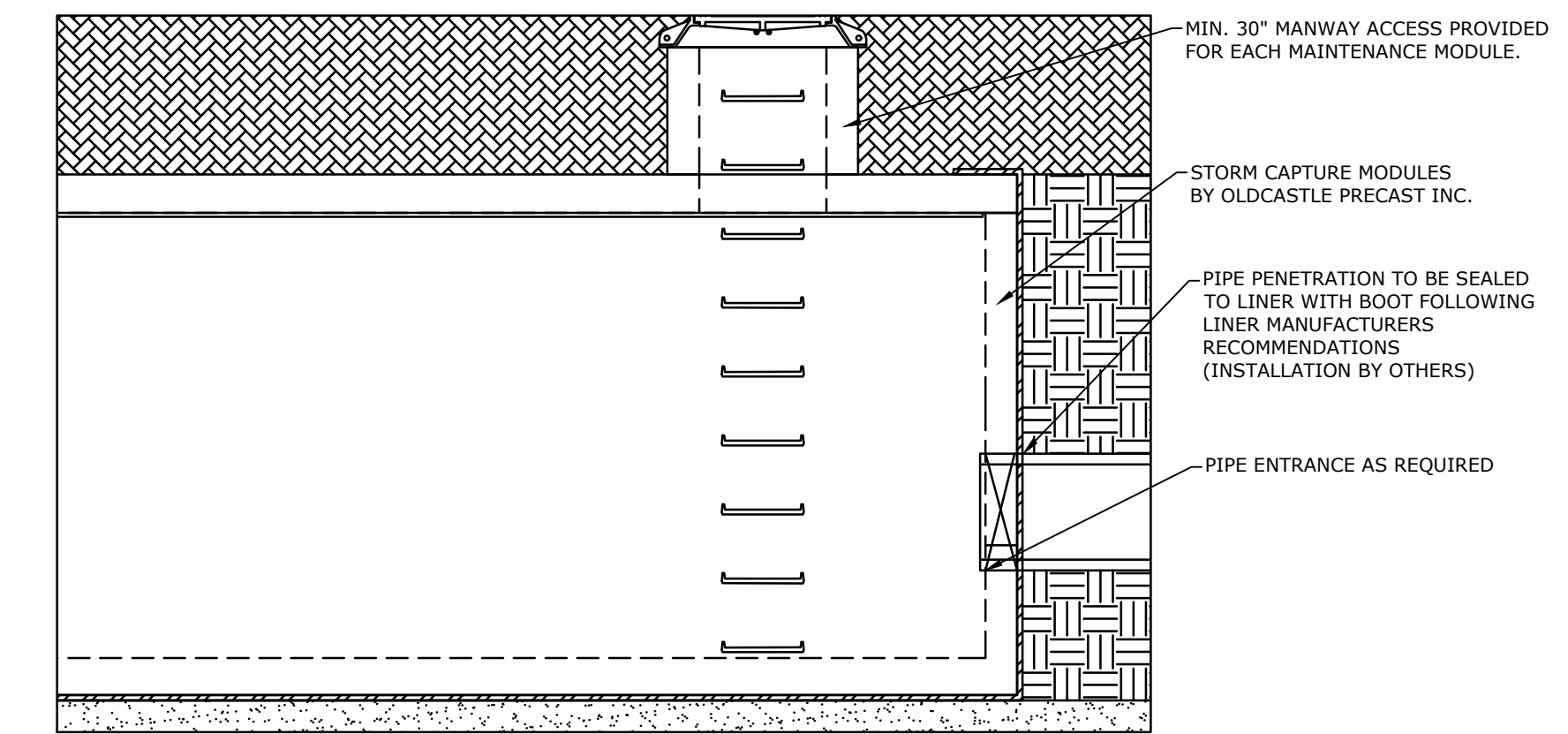
ALL PIPE INLETS SHALL EXTEND INSIDE MODULE A MINIMUM OF 4". PLACE A NON-SHRINK, NON-METALIC GROUT, MIN. 3,000 PSI IN ANNULAR SPACE TO ELIMINATE ALL VOIDS.



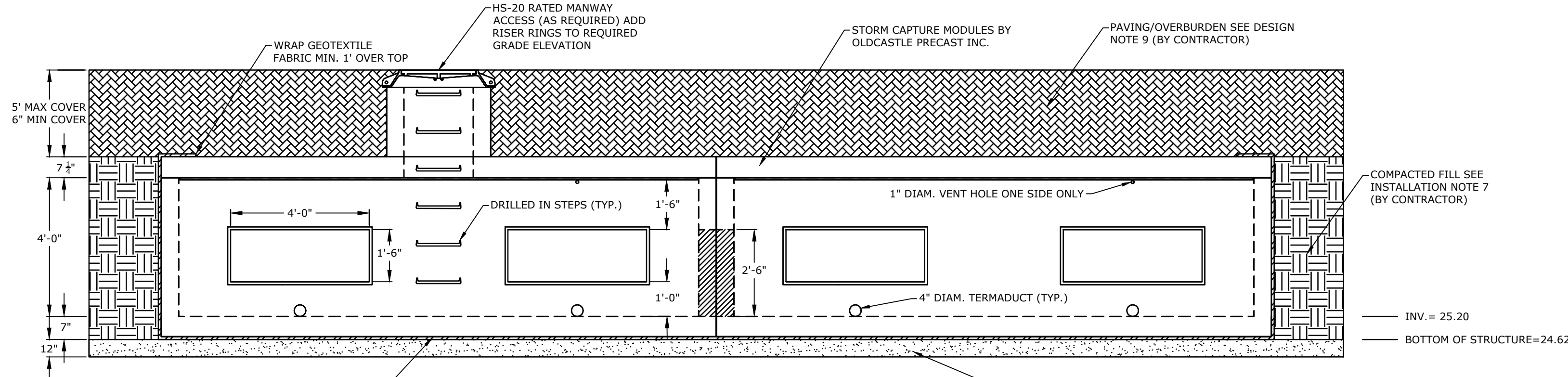
BOTTOM MODULE WITH TOP SLAB ISO VIEW
NO SCALE



GRATED INLET DETAIL
SCALE: 3/8" = 1'-0"

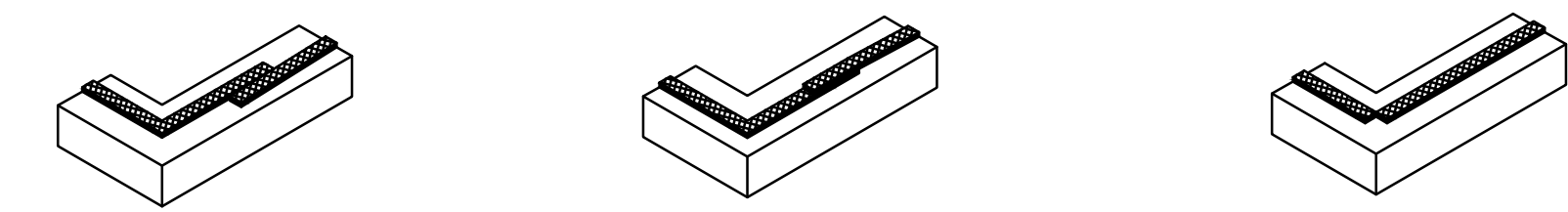


MANWAY ACCESS DETAIL
SCALE: 3/8" = 1'-0"

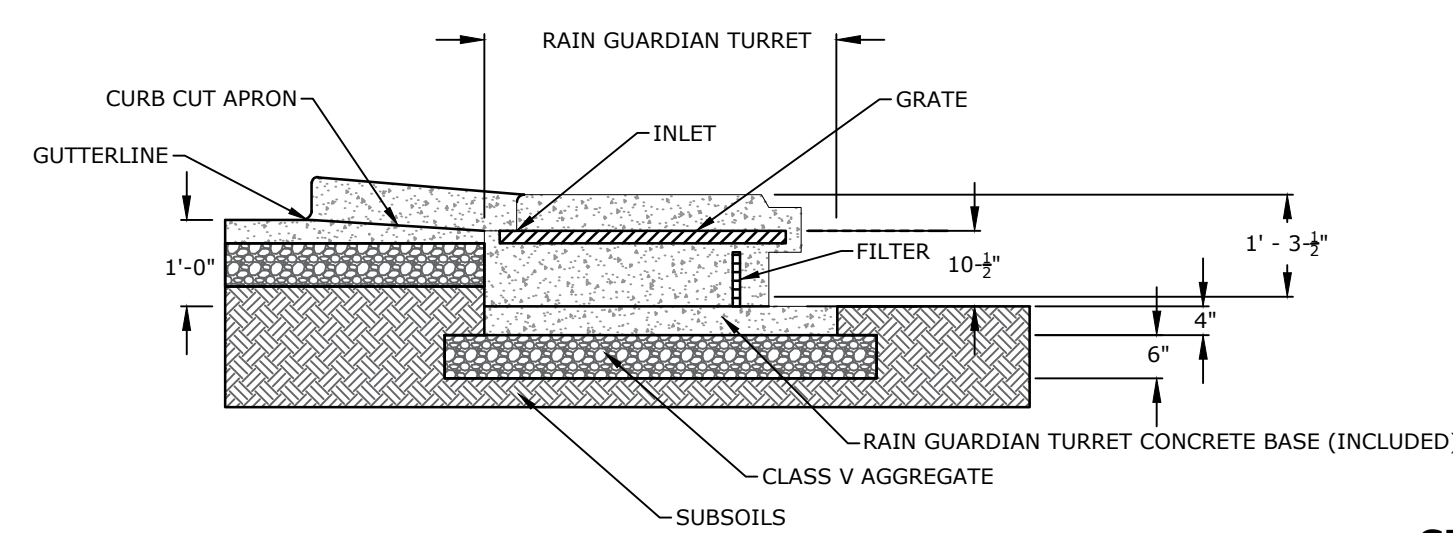


TYPICAL ELEVATION
SCALE: 3/8" = 1'-0"

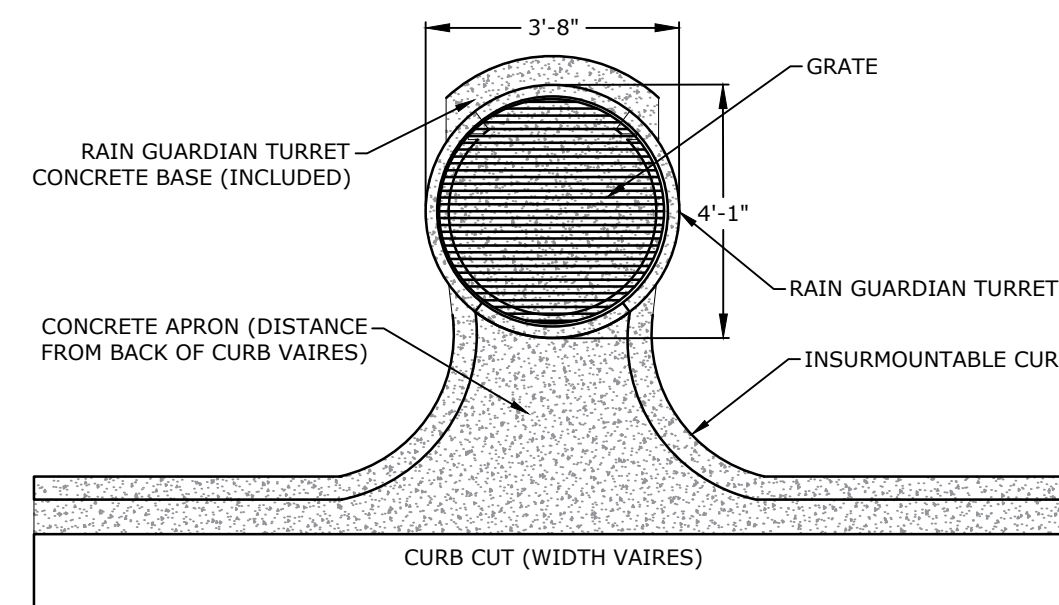
NOTES:
KEYWAYS MUST BE FREE OF DIRT, ROCKS, AND WATER. ROCKS AND DIRT PREVENT THE VAULT SECTIONS FROM SEATING AND SEALING PROPERLY. REMOVE ALL PROTECTIVE PAPER FROM RUBBER SEALANT MATERIAL. SPLICE RUBBER SEALANT MATERIAL WITH A "SIDE BY SIDE" JOINT, AWAY FROM CORNERS. CORNER SPLICING WILL NOT SEAL PROPERLY.



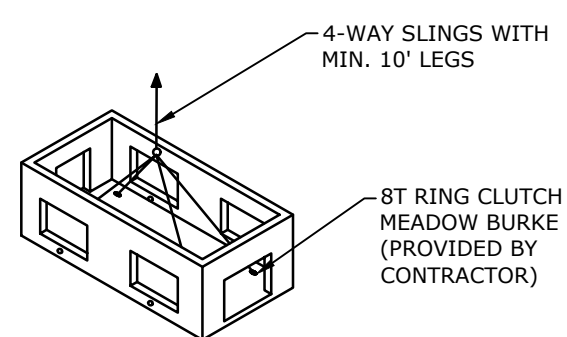
CONSEAL CS-102 BUTYL RUBBER SEALANT PLACEMENT DETAIL
NO SCALE



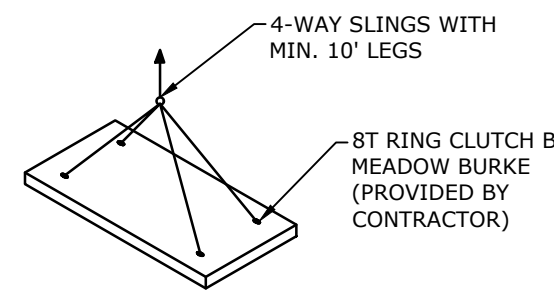
CURB INLET DETAIL
NO SCALE



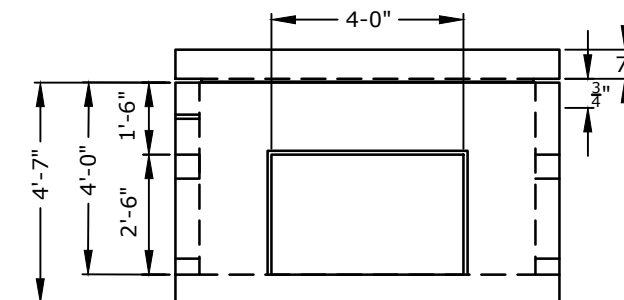
NOTES:
RAINGUARDIAN OR APPROVED EQUAL. CURB INLET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE RECOMMENDATION.



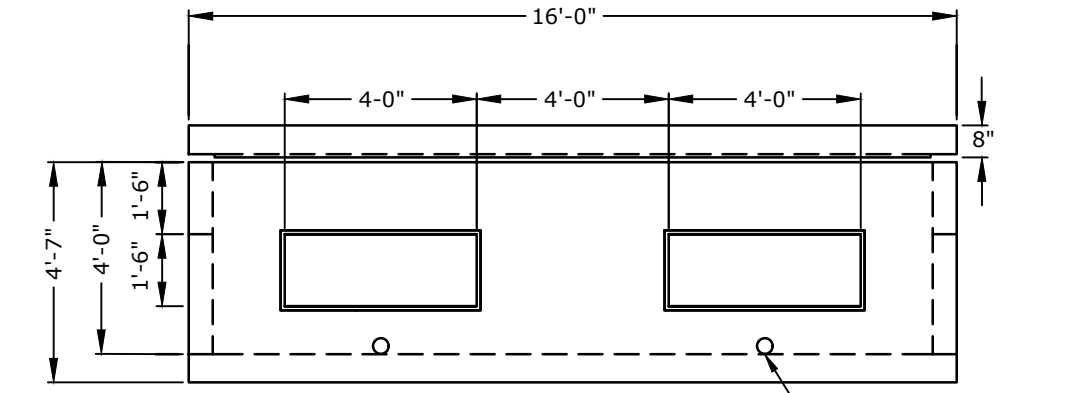
BOTTOM MODULE LIFTING DETAIL
NO SCALE



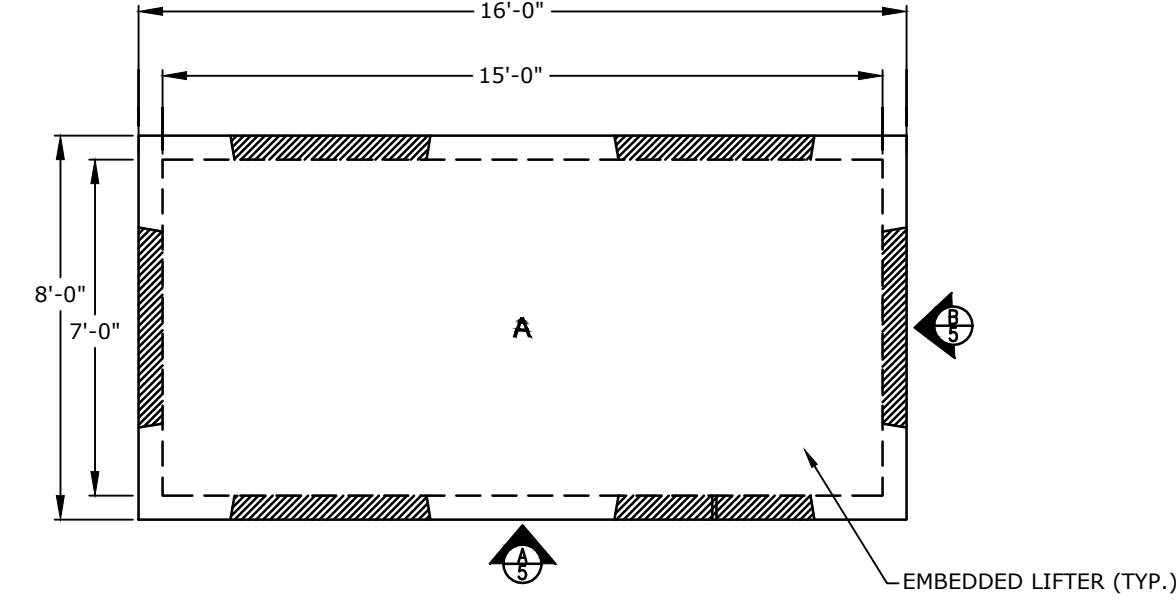
TOP SLAB LIFTING DETAIL
NO SCALE



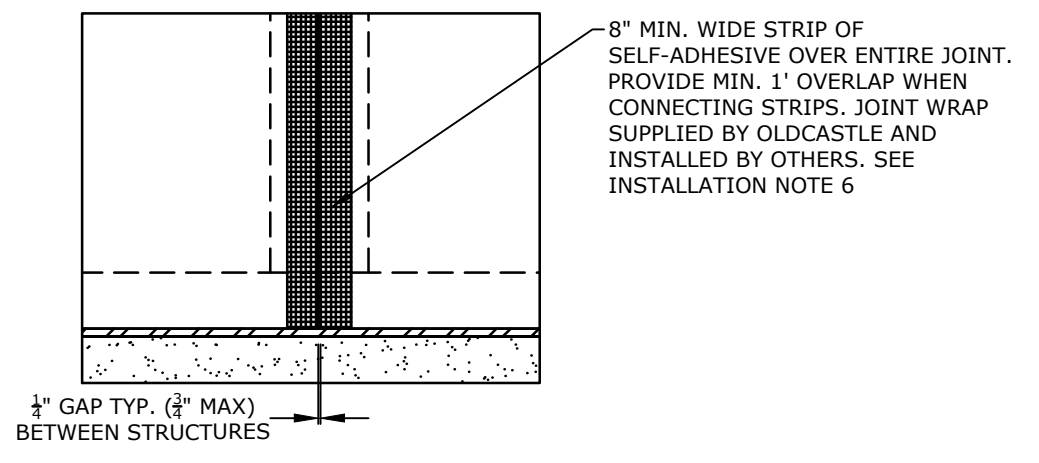
VIEW B
SCALE: 1/4" = 1'-0"



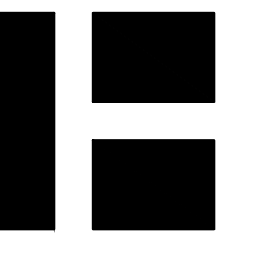
VIEW A
SCALE: 1/4" = 1'-0"



STORM CAPTURE PLAN VIEW
SCALE: 1/4" = 1'-0"

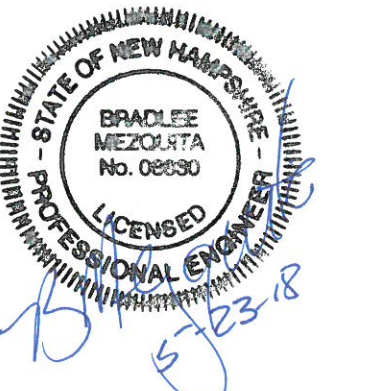


MODULE JOINT DETAIL
SCALE: 1/2" = 1'-0"



HARRIMAN
AUBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117



PERMIT SET
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Mill Plaza
Redevelopment

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|-----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_DETAILS.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

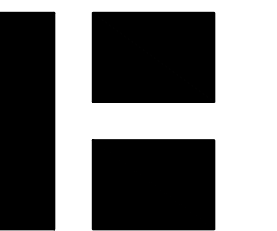
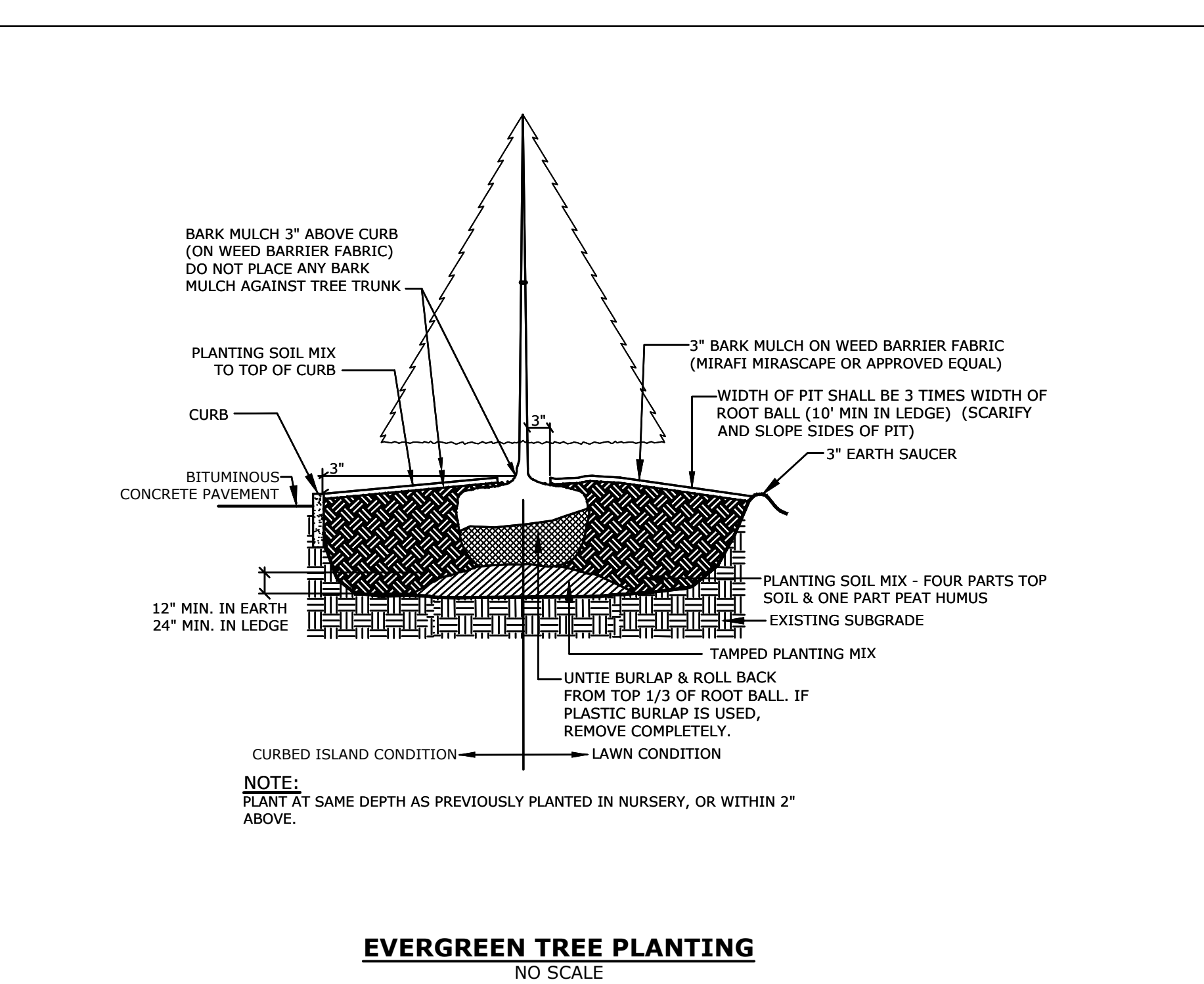
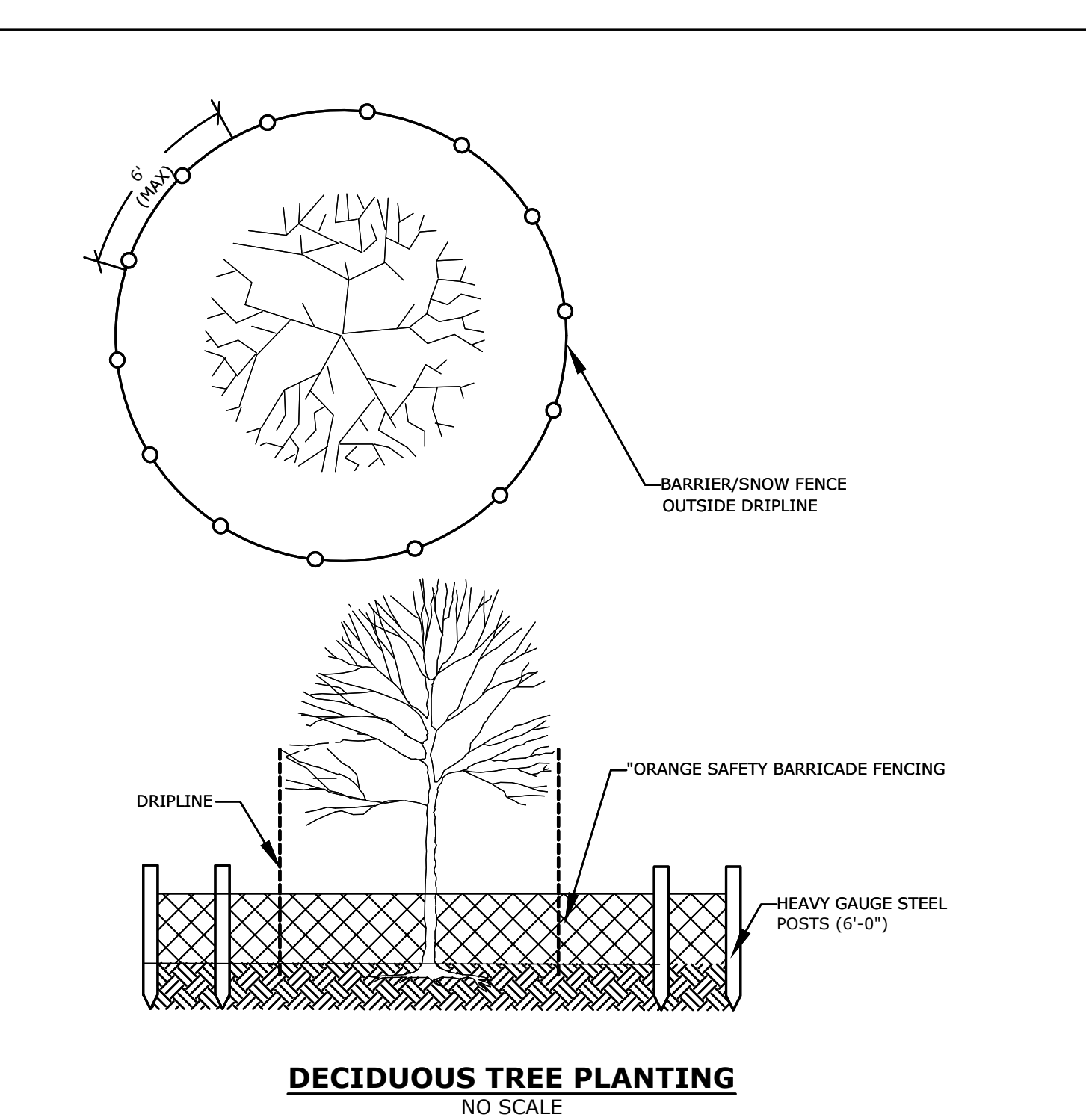
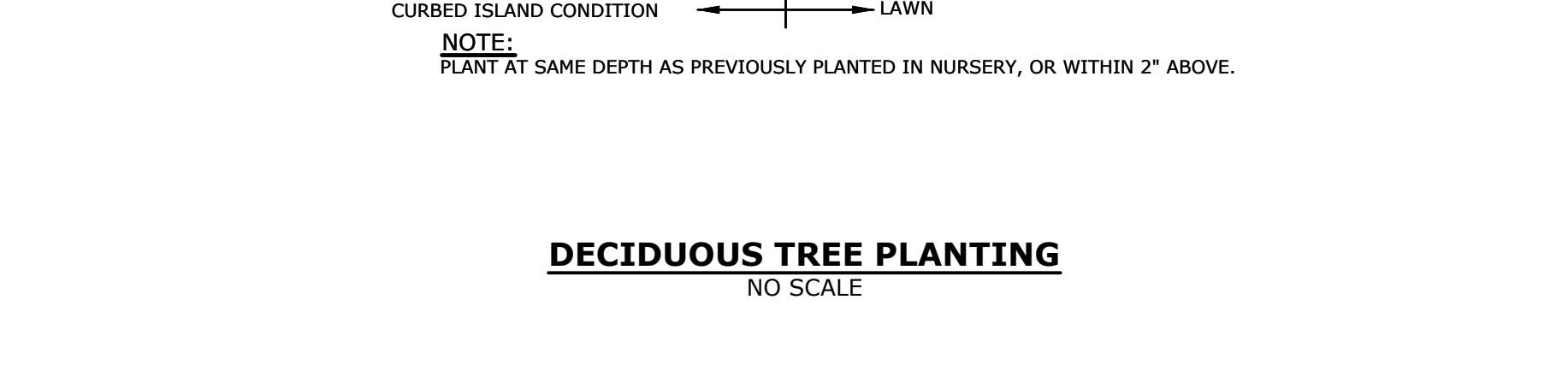
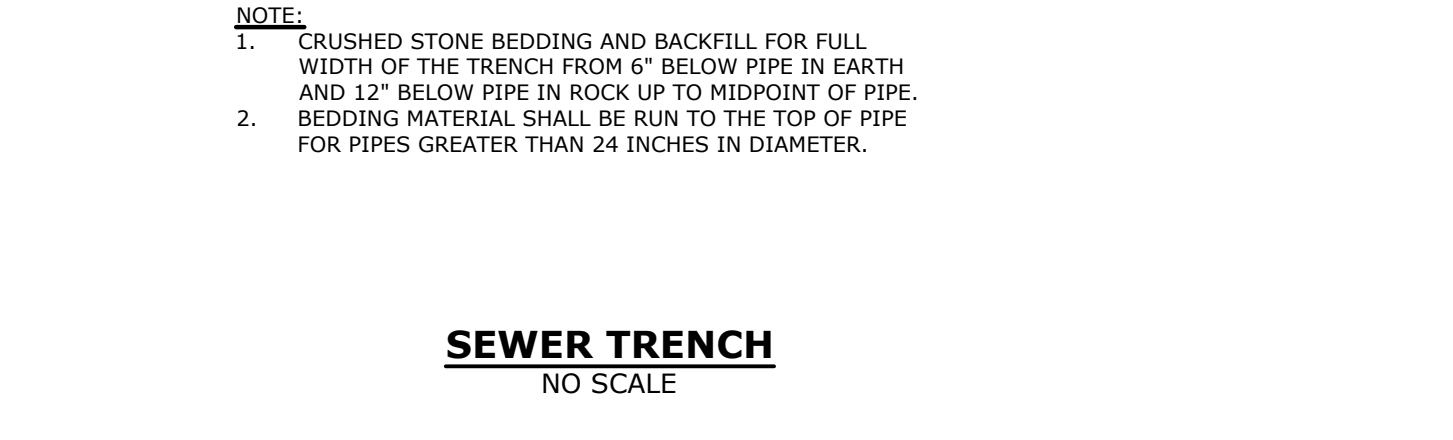
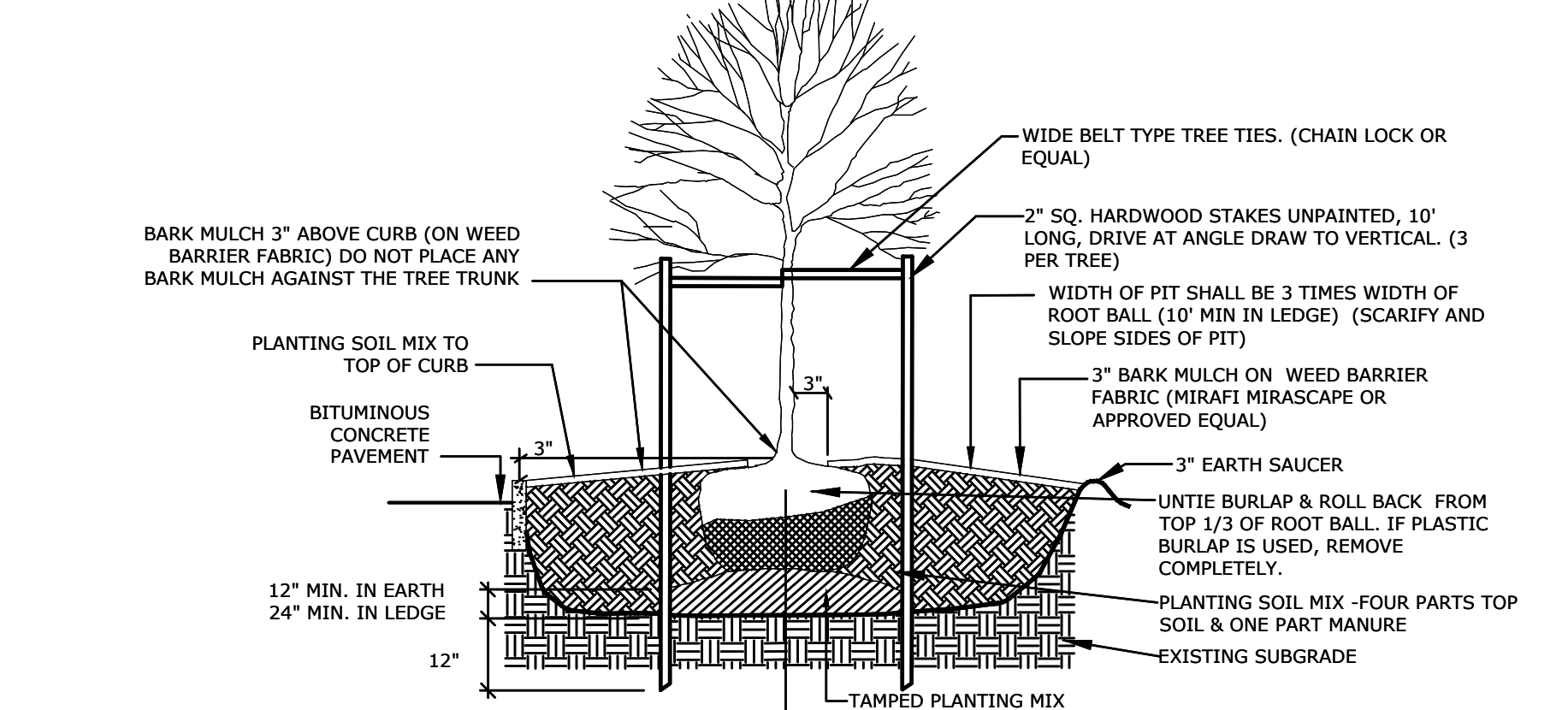
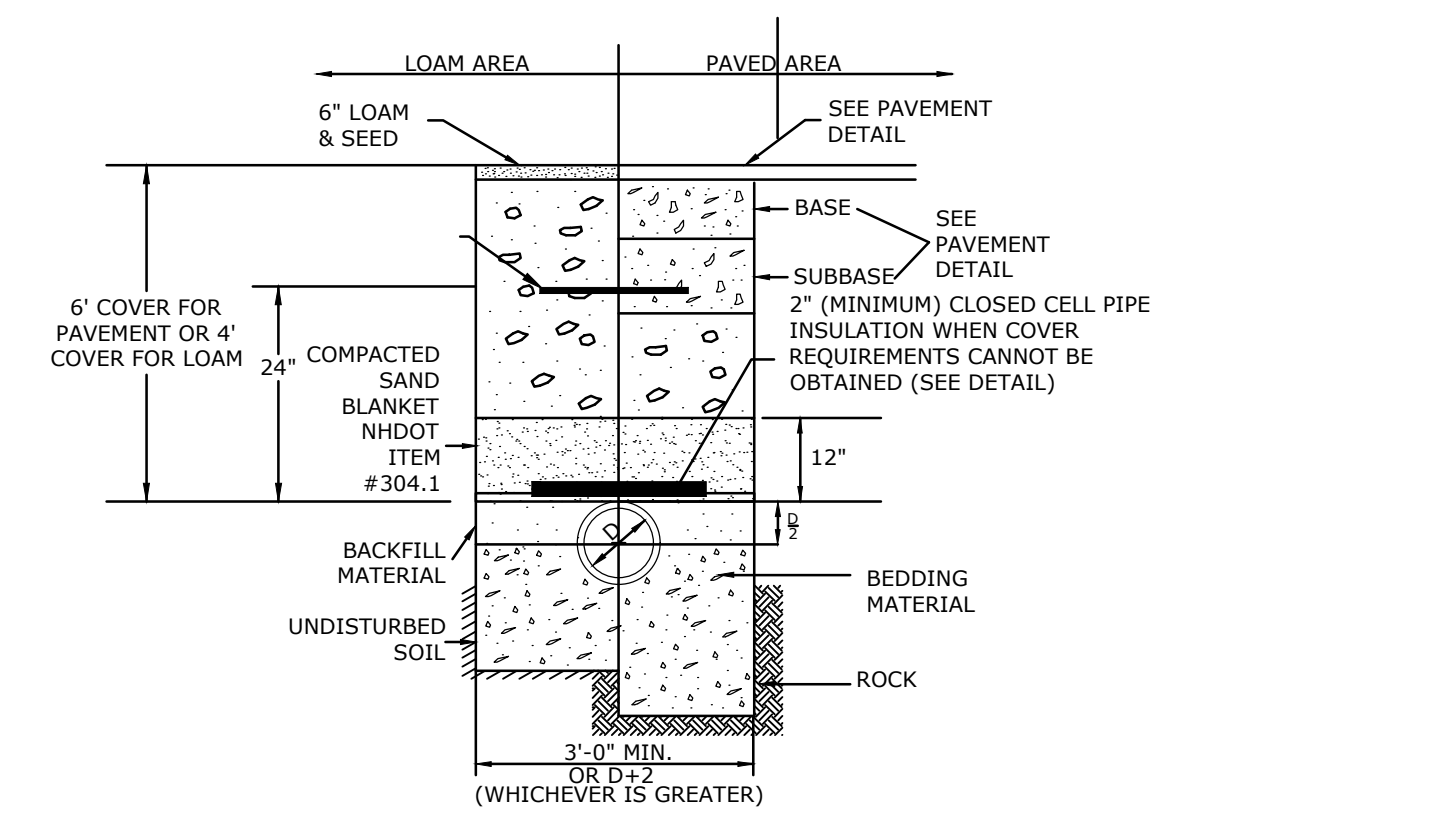
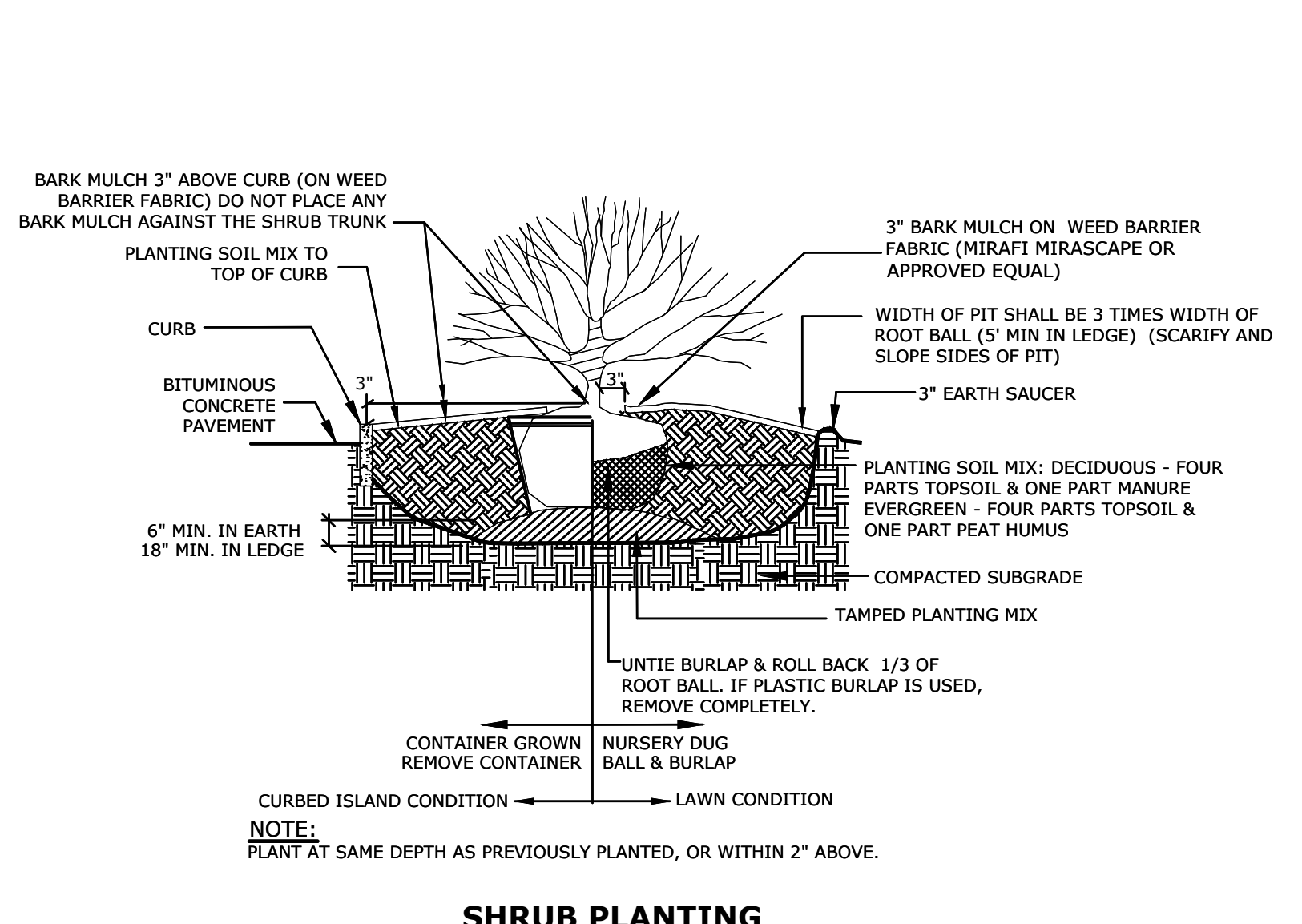
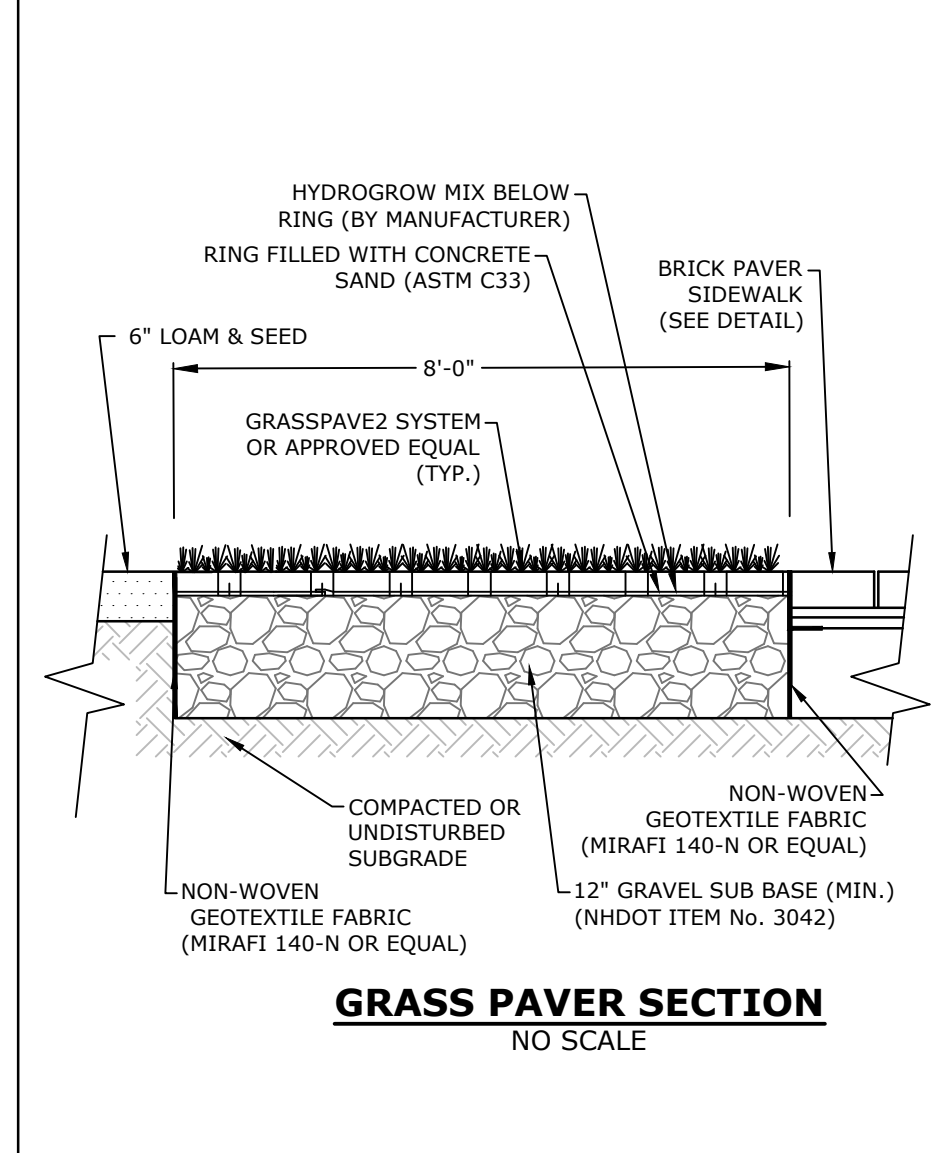
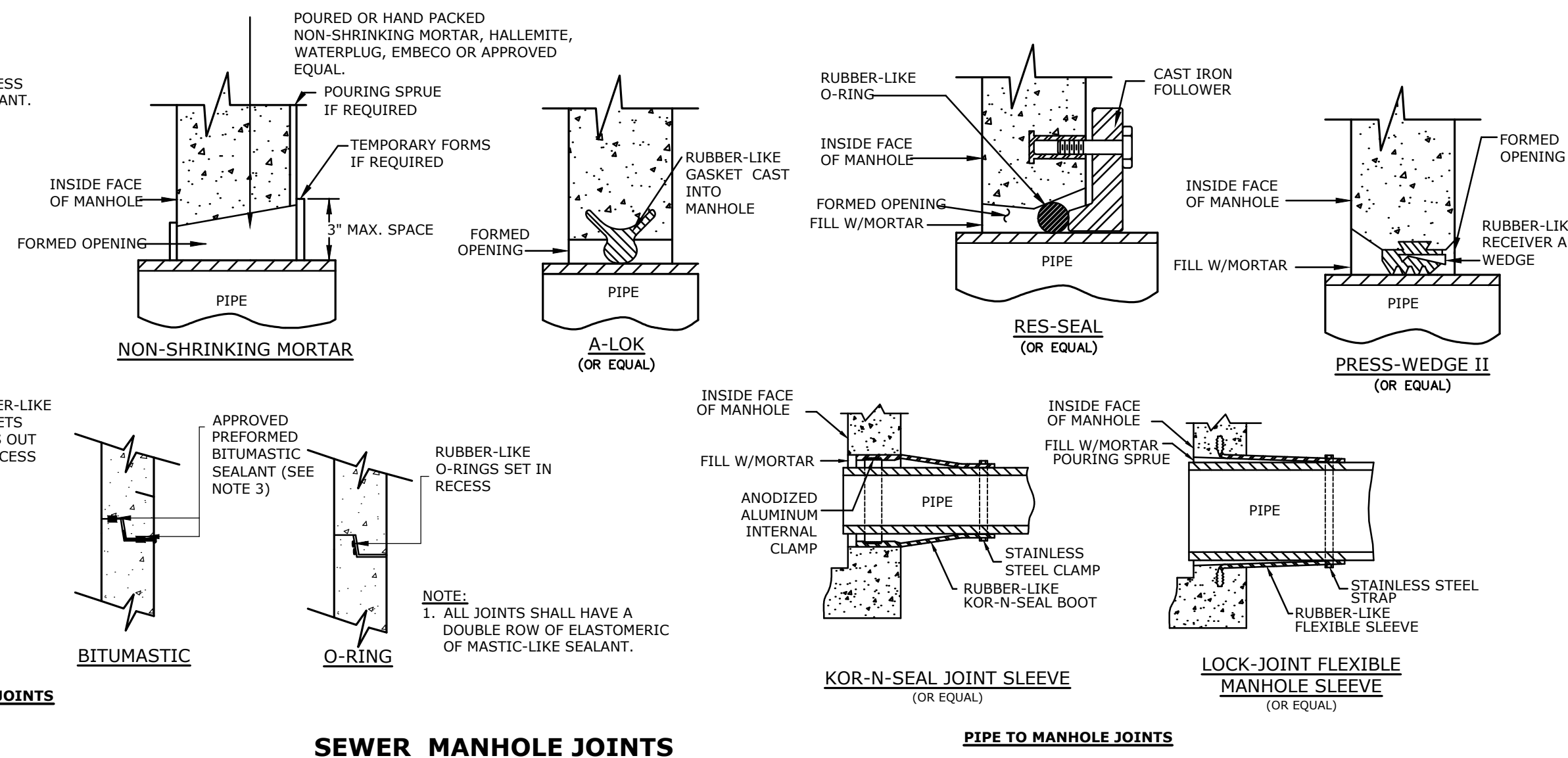
DETAIL SHEET

SCALE: AS SHOWN

C-507

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Plotted On: May 23, 2018 12:01pm By: EDoremus
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- NOTES:**
- HORIZONTAL JOINTS BETWEEN THE SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF A TYPE APPROVED BY THE ENGINEER. IN GENERAL, WILL DEPEND FOR WATER TIGHTNESS UPON EITHER AN APPROVED NON-SHRINKING MORTAR OR ELASTOMERIC SEALANT.
 - PIPE TO MANHOLE JOINTS SHALL BE ONLY AS APPROVED BY THE ENGINEER. IN GENERAL, WILL DEPEND FOR WATER TIGHTNESS UPON EITHER AN APPROVED NON-SHRINKING MORTAR OR ELASTOMERIC SEALANT.
 - FOR BITUMASTIC TYPE JOINTS THE AMOUNT OF SEALANT SHALL BE SUFFICIENT TO FILL AT LEAST 75% OF THE JOINT CAVITY.
 - ALL GASKETS, SEALANTS, MORTAR, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS.



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Mill Plaza
Redevelopment

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|-----------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | M1529-002_DETAILS.dwg | |
| DRAWN BY: | EGD | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

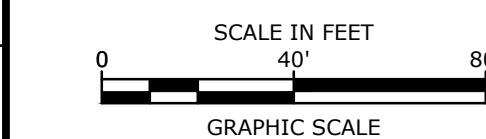
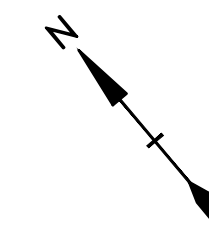
DETAIL SHEET

SCALE: AS SHOWN

C-508



PERMIT SET
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**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

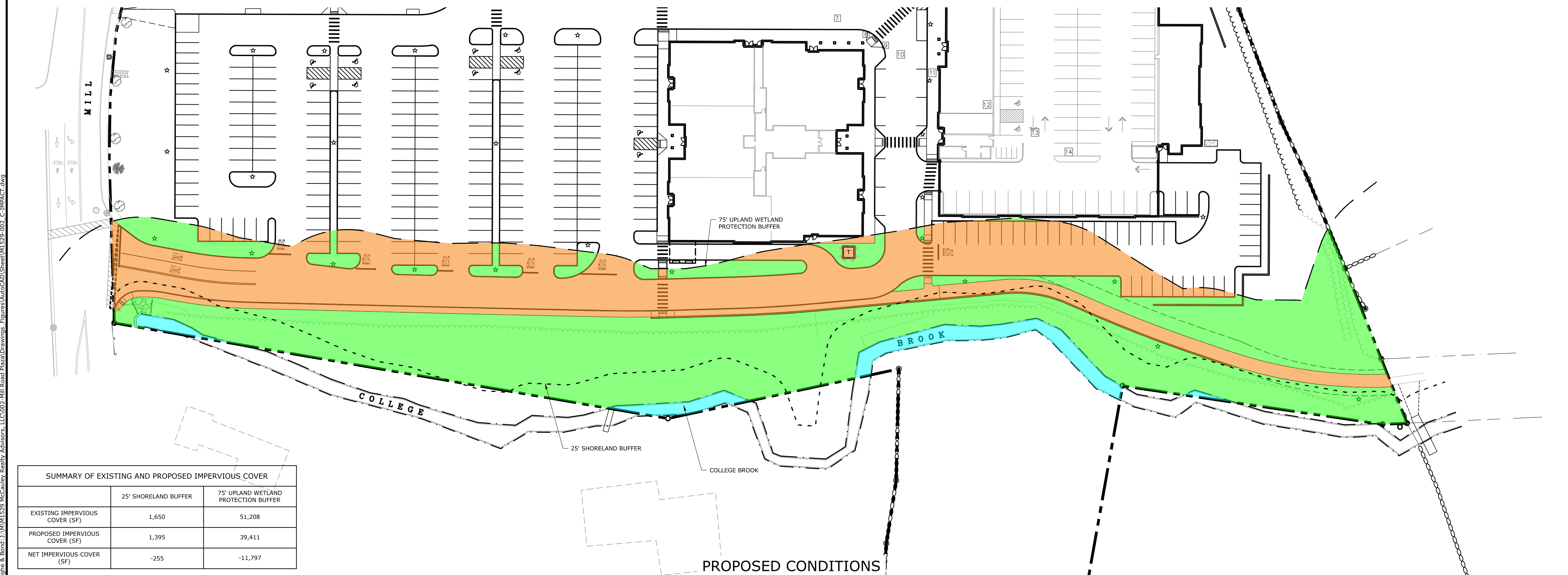
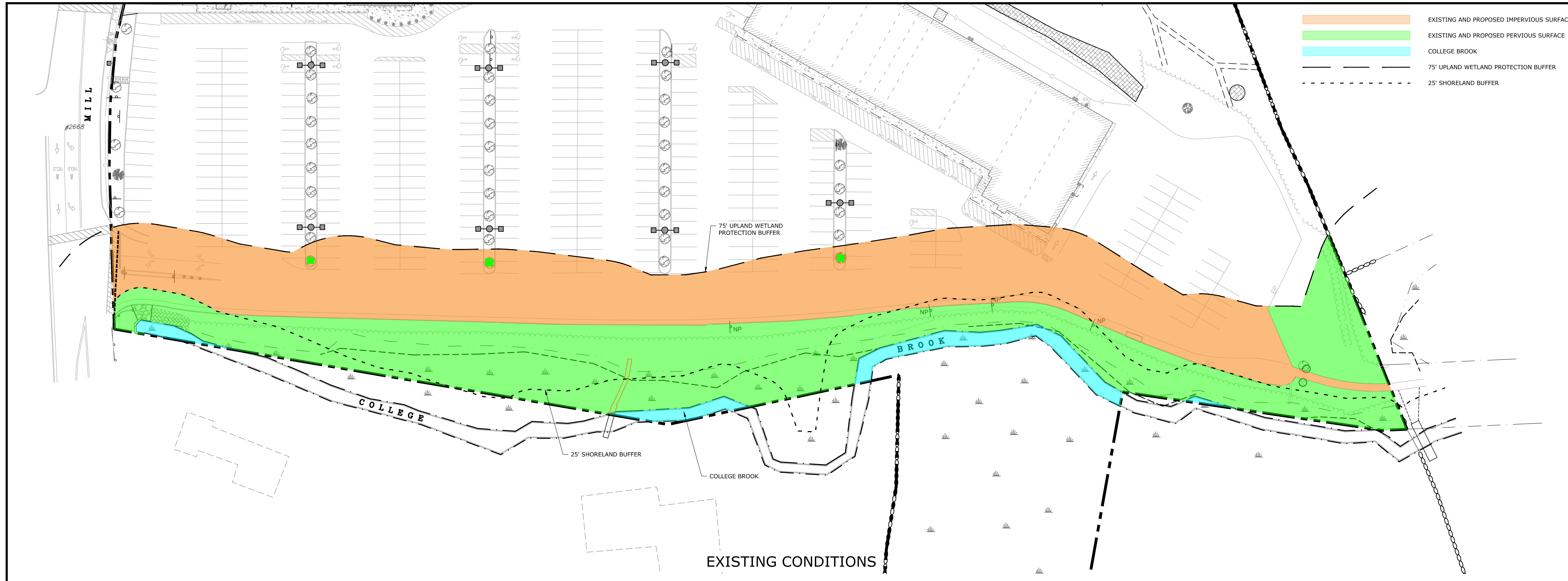
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| APPROVED BY: | BLM | |

BUFFER COVERAGE PLAN

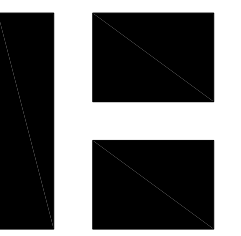
SCALE: AS SHOWN

C-701

- EXISTING AND PROPOSED IMPERVIOUS SURFACE
- EXISTING AND PROPOSED PERVIOUS SURFACE
- COLLEGE BROOK
- 75' UPLAND WETLAND PROTECTION BUFFER
- 25' SHORELAND BUFFER



| SUMMARY OF EXISTING AND PROPOSED IMPERVIOUS COVER | | |
|---|----------------------|--------------------------------------|
| | 25' SHORELAND BUFFER | 75' UPLAND WETLAND PROTECTION BUFFER |
| EXISTING IMPERVIOUS COVER (SF) | 1,650 | 51,208 |
| PROPOSED IMPERVIOUS COVER (SF) | 1,395 | 39,411 |
| NET IMPERVIOUS COVER (SF) | -255 | -11,797 |

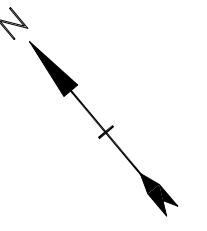


HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

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PERMIT SET
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SCALE IN FEET
0 40 80'
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

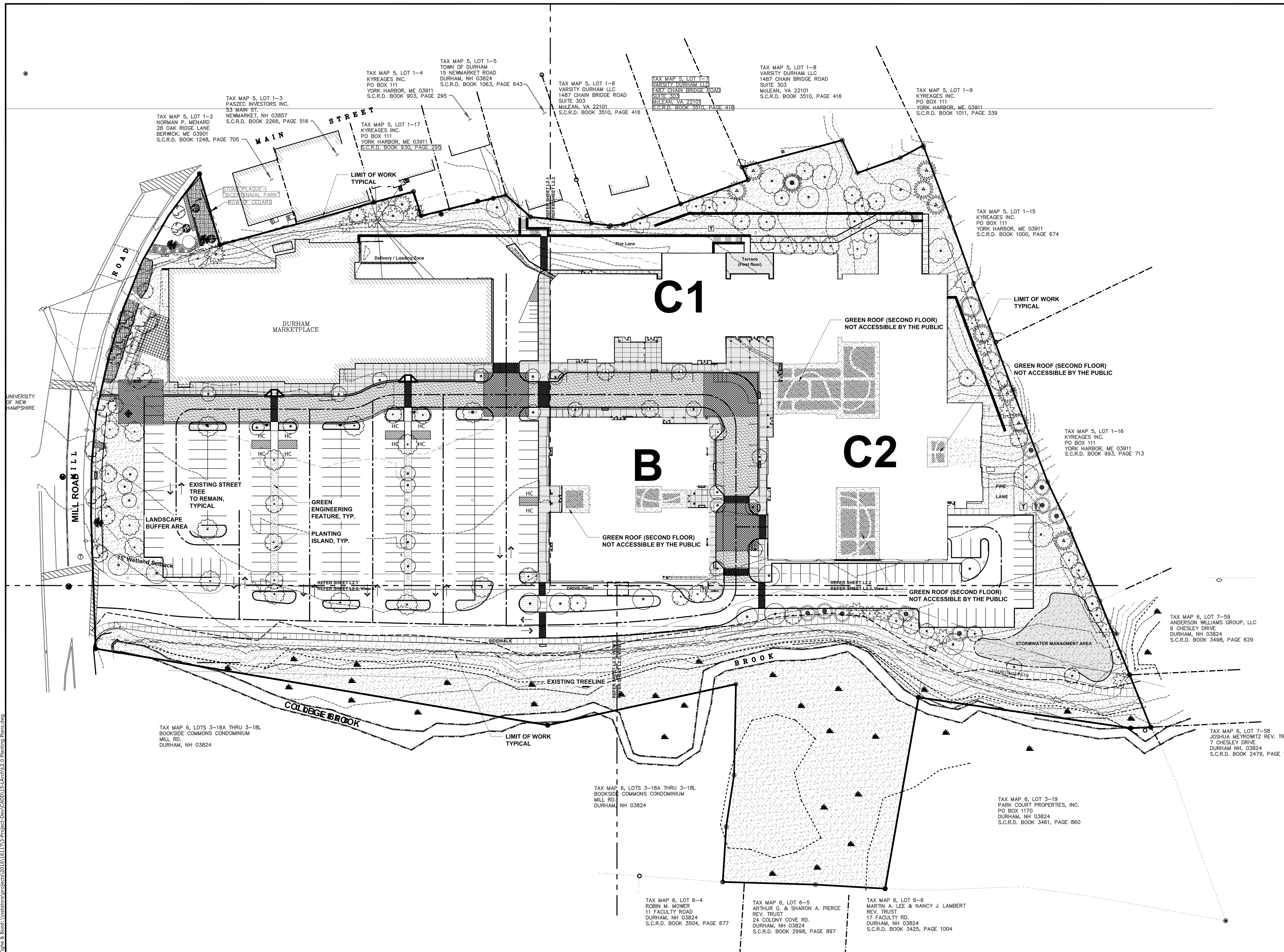
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
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| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L2.0 Planting Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

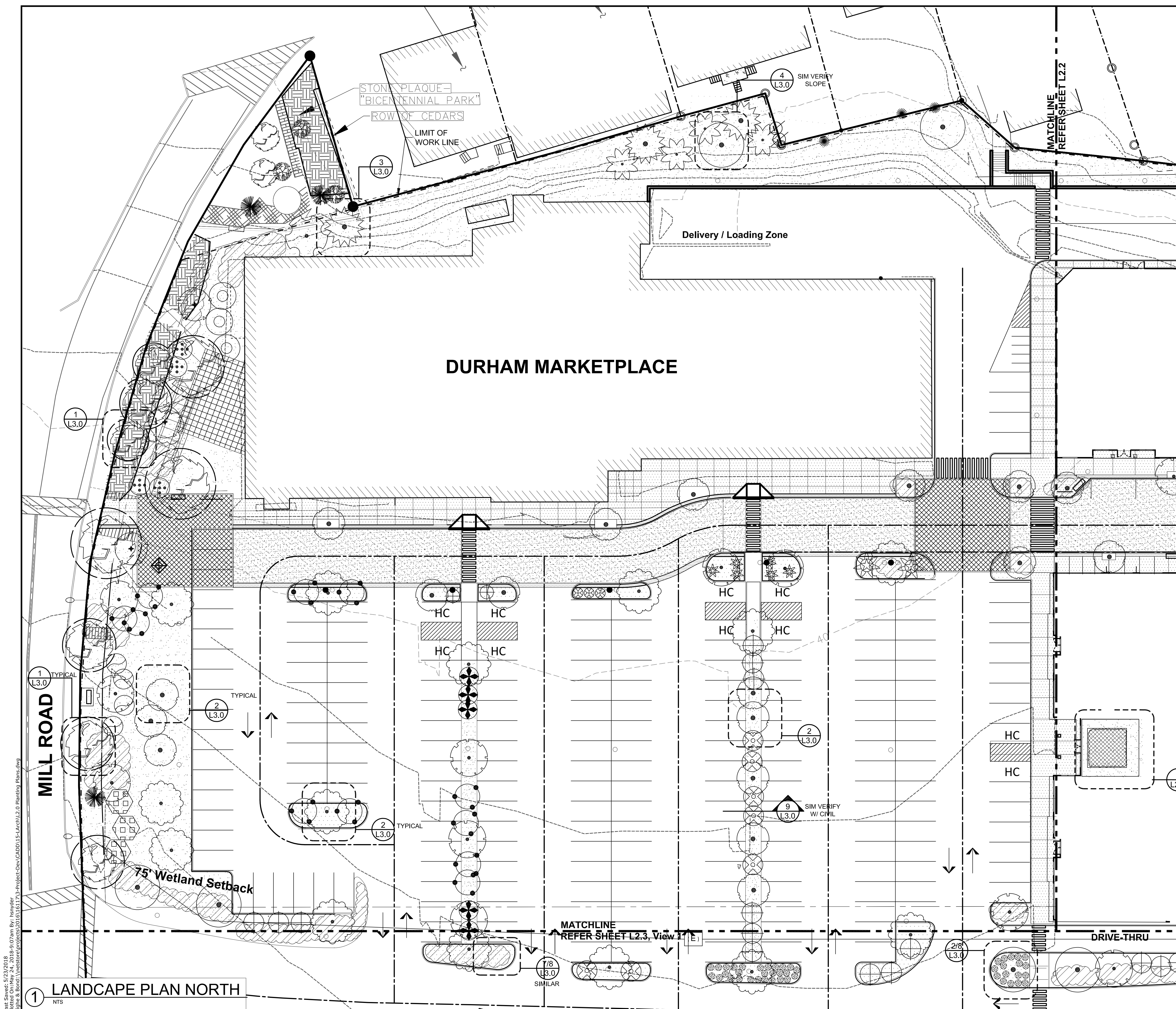
**LANDSCAPE
OVERALL PLAN**

SCALE: AS SHOWN

L2.0



Last Saved: 5/23/2018
 Plotted On: May 24, 2018 9:11:53am By: hsmeyer
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| PLANT LEGEND | | | | |
|---|--------------------|-------------------------------|-----------------|-------------------|
| SHADE TREES | SIZE | NOTES | QTY | |
| Existing Tree to Remain | | Preserve and Protect in Place | Verify in Field | |
| Acer rubrum October Glory | 2.0' - 2.5' Cal. | Zone: 3 | 14 | Fall Plant Hazard |
| October Glory Red Maple | | | | |
| Carpinus caroliniana American Hornbeam | 2.0' - 2.5' Cal. | Zone: 3a | 1 | Fall Plant Hazard |
| Celtis occidentalis Common Hackberry | 2.0' - 2.5' Cal. | Zone: 1 | 0 | Fall Plant Hazard |
| Nyssa sylvatica var. Marshall Blackgum | 2.0' - 2.5' Cal. | Zone: 3 | 14 | Fall Plant Hazard |
| Larix laricina Tamarack | 2.0' - 2.5' Cal. | Zone: 2 | 0 | |
| FLOWERING TREES | SIZE | NOTES | QTY | |
| Amelanchier arborea Downy Serviceberry | 1.5' - 2.0' Cal. | Zone: 4 | 31 | Fall Plant Hazard |
| Cercis canadensis Eastern Redbud | 1.5' - 2.0' Cal. | Zone: 4 | 0 | Fall Plant Hazard |
| Prunus americana American Plum | 1.5' - 2.0' Cal. | Zone: 3 | 0 | Fall Plant Hazard |
| Malus Snowdrift Snowdrift Crabapple | 1.5' - 2.0' Cal. | Zone: 4 | 24 | Fall Plant Hazard |
| ORNAMENTAL TREES | SIZE | NOTES | QTY | |
| Betula nigra 'Heritage' River Birch | 12' Ht B & B | Zone: 3b | 7 | Fall Plant Hazard |
| Cotinus obovatus American Smoke Tree | 1.0' - 1.5' Cal. | Zone: 4 | 0 | Fall Plant Hazard |
| Ostrya virginiana Eastern Hop Hornbeam | 1.0' - 1.5' Cal. | Zone: 3 | 0 | Fall Plant Hazard |
| Oxydendrum arboreum Sourwood | 1.0' - 1.5' Cal. | Zone: 5 | 0 | Fall Plant Hazard |
| Stewartia ovata Mountain Stewartia | 1.0' - 1.5' Cal. | Zone: 5 | 18 | |
| CONIFER TREES | SIZE | NOTES | QTY | |
| Abies balsamea Balsam Fir | 12' - 14' | Zone: 3 | 06 | |
| Juniperus virginiana Eastern Redcedar | 14' - 16' | Zone: 2 | 10 | Fall Plant Hazard |
| Picea mariana Black Spruce | 14' - 16' | Zone: 3 | 3 | |
| Thuja occidentalis Eastern Arborvitae | 8' - 10' | Zone: 2 | 13 | |
| Tsuga canadensis Canadian Hemlock | 12' - 14' | Zone: 3 | 10 | |
| DECIDUOUS SHRUBS | SIZE | NOTES | QTY | |
| Aronia melanocarpa Red Chokeberry | 3 Gallon | Zone: 3 | 1 | |
| Cephalanthus occidentalis Butterfly Bush | 3 Gallon | Zone: 5 | 0 | |
| Comptonia peregrina Sweetfern | 3 Gallon | Zone: 3 | 7 | |
| Cornus sericea Redosier Dogwood | 3 Gallon | Zone: 3 | 5 | Fall Plant Hazard |
| Clethra alnifolia Coastal Sweet Pepperbush | 3 Gallon | Zone: 3 | 13 | |
| Lindera benzoin Spice bush | 3 Gallon | Zone: 3 | 26 | |
| Dicentra palustris Leatherwood | 3 Gallon | Zone: 3 | 4 | |
| Ilex verticillata Winterberry | 3 Gallon | Zone: 3 | 14 | |
| Ledum groenlandicum Labrador Tea | 3 Gallon | Zone: 2 | 10 | |
| Sambucus racemosa American Red Elderberry | 3 Gallon | Zone: 3 | 3 | |
| Viburnum trilobum Cranberry bush | 3 Gallon | Zone: 2 | 3 | |
| EVERGREEN SHRUBS | SIZE | NOTES | QTY | |
| Juniperus communis Common Juniper | 3 Gallon | Zone: 2 | 8 | |
| Kalmia latifolia Mountain Laurel | 3 Gallon | Zone: 3 | 7 | |
| Taxus canadensis Canada Yew | 3 Gallon | Zone: 2 | 0 | |
| GROUNDCOVERS | SIZE | NOTES | QTY | |
| Arcostaphylos uva-ursi Kinkikink | 1 Gallon | Zone: 2 | 0 | |
| Coreopsis lanceoleaf Tickseed | 1 Gallon | Zone: 4 | 45 | |
| Cornus canadensis Bunchberry | 1 Gallon | Zone: 2 | 0 | Fall plant hazard |
| Vaccinium angustifolium Low Sweet Blueberry | 1 Gallon | Zone: 2 | 0 | |
| PERENNIALS | SIZE | NOTES | QTY | |
| Dennstaedtia punctilobula Hay Scented Fern | #2 Container | Zone: 3 | 502 | |
| Hyacinthoides hispanica Spanish Bluebell | #2 Container | Zone: 3 | 502 | |
| Polygonatum odoratum Solomon's Seal | #2 Container | Zone: 3 | 502 | |
| Pulmonaria 'Baby Blue' Lungwort | #2 Container | Zone: 4 | 502 | |
| TURF AND SEED MIX | | | QTY | |
| Hydroseed | | | TBD S.F. | |
| Seed mix per specifications | | | | |
| LANDSCAPE MATERIALS | | | QTY | |
| Bark Mulch | 3" depth | | TBD S.F. | |
| Shredded Organic Bark Mulch | all planting areas | | | |
| Landscape Border | | | TBD LN. FT. | |
| Landscape edging material | | | | |

Tighe & Bond
Engineers | Environmental Specialists

HARRIMAN
ALBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

DRAFT PERMIT SET
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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Mill Plaza Redevelopment

Colonial Durham Associates, LP

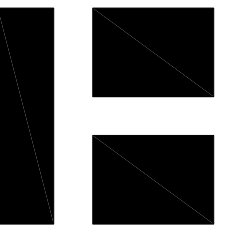
7 Mill Road, Unit L
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| MARK | DATE | DESCRIPTION |
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| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L2.0 Planting Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

1. Not all plant material shown will be used. Final plant material selection and quantities dependent on conformance to, and approval by, local and state regulations and agencies.
2. Plant material specified in conformance to ANA guidelines.

PLANTING PLAN
SCALE: AS SHOWN
L2.1

Last Saved: 5/23/2018 8:40:07am
 Tighe & Bond | \projects\2016\16117\3-Project\Doc\CADD\L2.0-Planting Plans.dwg
 BJC: hazyler

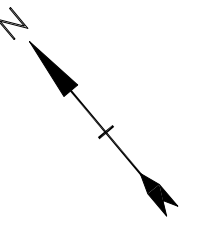


HARRIMAN

AUBURN FORTLAND FORTSMOUTH BOSTON

Harriman Project No. 16117

**DRAFT
PERMIT SET
NOT FOR CONSTRUCTION**



SCALE IN FEET
0 40 80
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|-------------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L2.0 Planting Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

**ROOF PLANTING
PLANS**

SCALE: AS SHOWN

L2.4

PLANT LEGEND: GREEN ROOFS

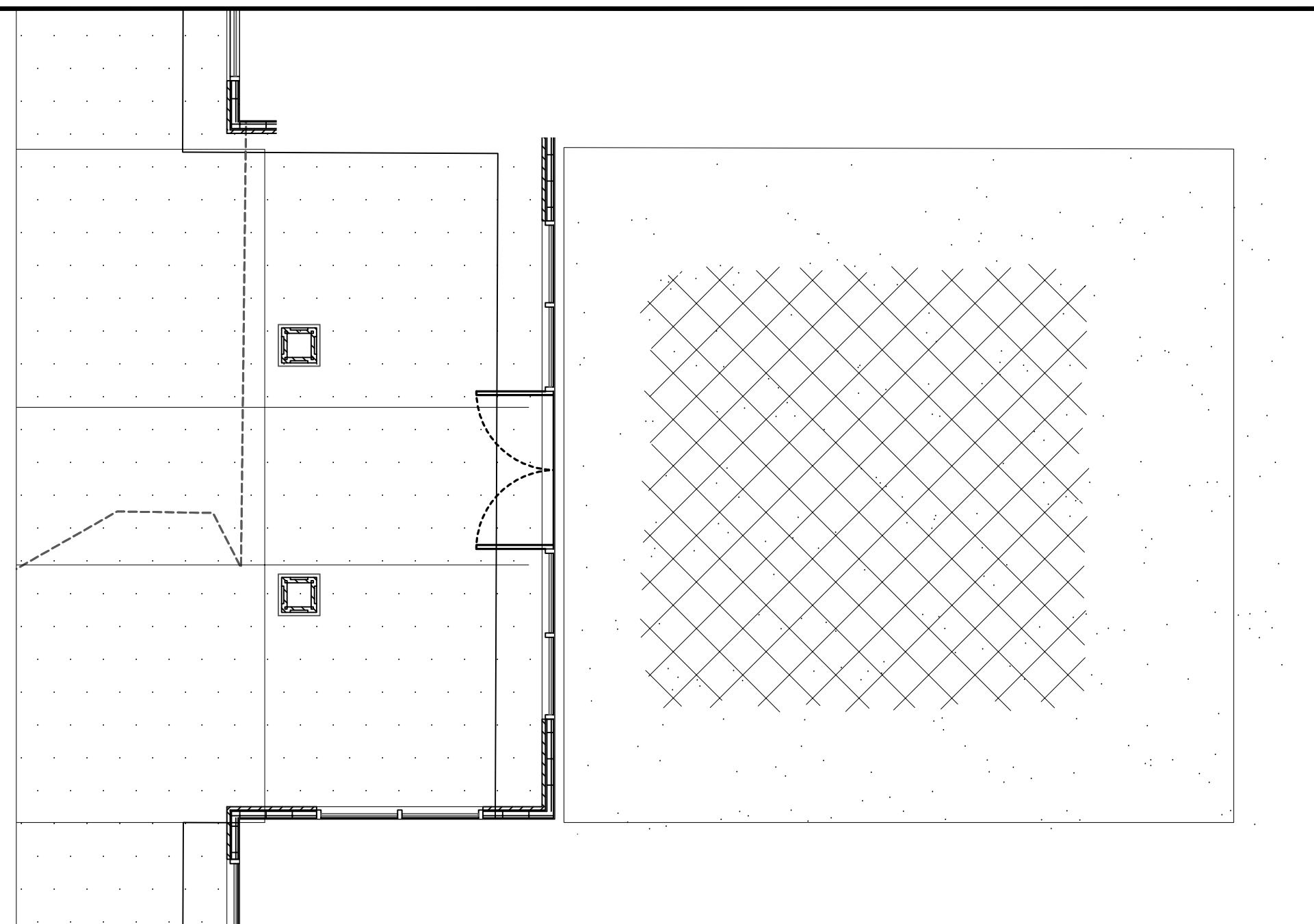
| DECIDUOUS SHRUBS | SIZE | NOTES | QTY |
|--------------------------|----------|---------|-----|
| Buddleia davidii | 2 Gallon | Zone: 4 | XX |
| Butterfly Bush | | | |
| Nandina domestica 'Nana' | 2 Gallon | Zone: 4 | XX |

| EVERGREEN SHRUBS | SIZE | NOTES | QTY |
|-----------------------|----------|---------|-----|
| Juniperus procumbens | 1 Gallon | Zone: 4 | XX |
| Common Garden Juniper | | | |
| Gaultheria procumbens | 1 Gallon | Zone: 3 | XX |
| Wintergreen | | | |

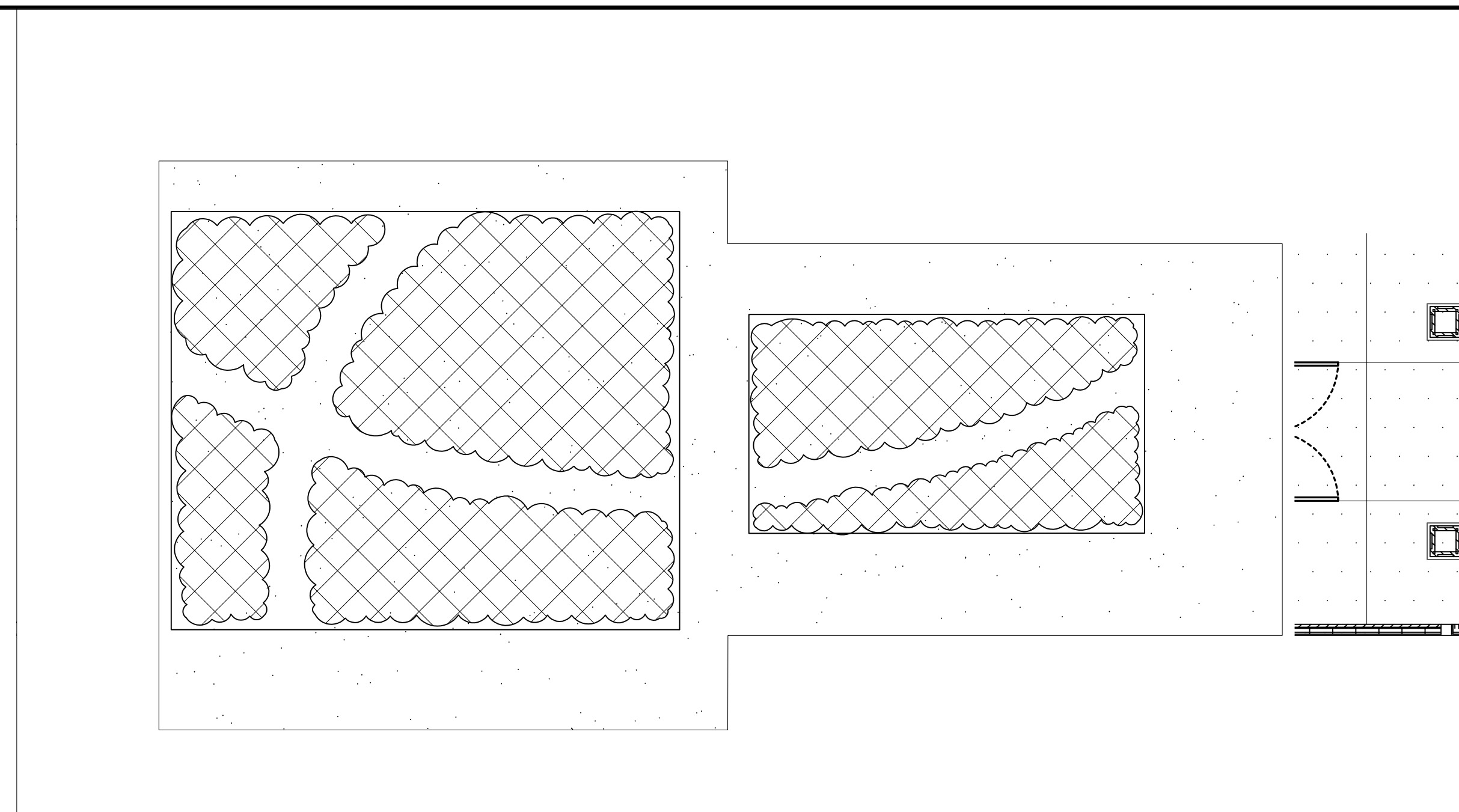
| PERENNIALS | SIZE | NOTES | QTY |
|-----------------------------|--------------|----------|-----|
| Achillea millefolium | #3 Container | Zone: 3 | XX |
| Yarrow | | | |
| Ajuga reptans | 1 Gallon | Zone: 3 | XX |
| Common Bugle | | | |
| Allium schoenoprasum | #1 Container | Zone: 4 | XX |
| Chives | | | |
| Aquilegia canadensis | #3 Container | Zone: 3 | XX |
| Columbine | | | |
| Hemerocallis 'Anna Warner' | #3 container | Zone: 3a | XX |
| Day Lily | | | |
| Lavandula angustifolia | #3 Container | Zone: 5 | XX |
| English Lavender | | | |
| Oenothera fruticosa | #2 Container | Zone: 4 | XX |
| Evening Primrose | | | |
| Rudbeckia fulgida | #3 Container | Zone: 3 | XX |
| Orange Coneflower | | | |
| Sedum varieties | #1 Container | Zone: 4 | XX |
| Perennial sedum | | | |
| Stachys byzantina | #2 Container | Zone: 4 | XX |
| Lamb's Ears | | | |
| Symphoricarum novae-angliae | #3 Container | Zone: 4 | XX |
| New England Aster | | | |

| ORNAMENTAL GRASSES | SIZE | NOTES | QTY |
|------------------------|--------------|---------|-----|
| Carex flacca | #3 container | Zone: 4 | XX |
| Blue - green Sedge | | | |
| Eragrostis spectabilis | #3 container | Zone: 5 | XX |
| Purple Lovegrass | | | |
| Festuca glauca | #3 container | Zone: 4 | XX |
| Blue Fescue | | | |

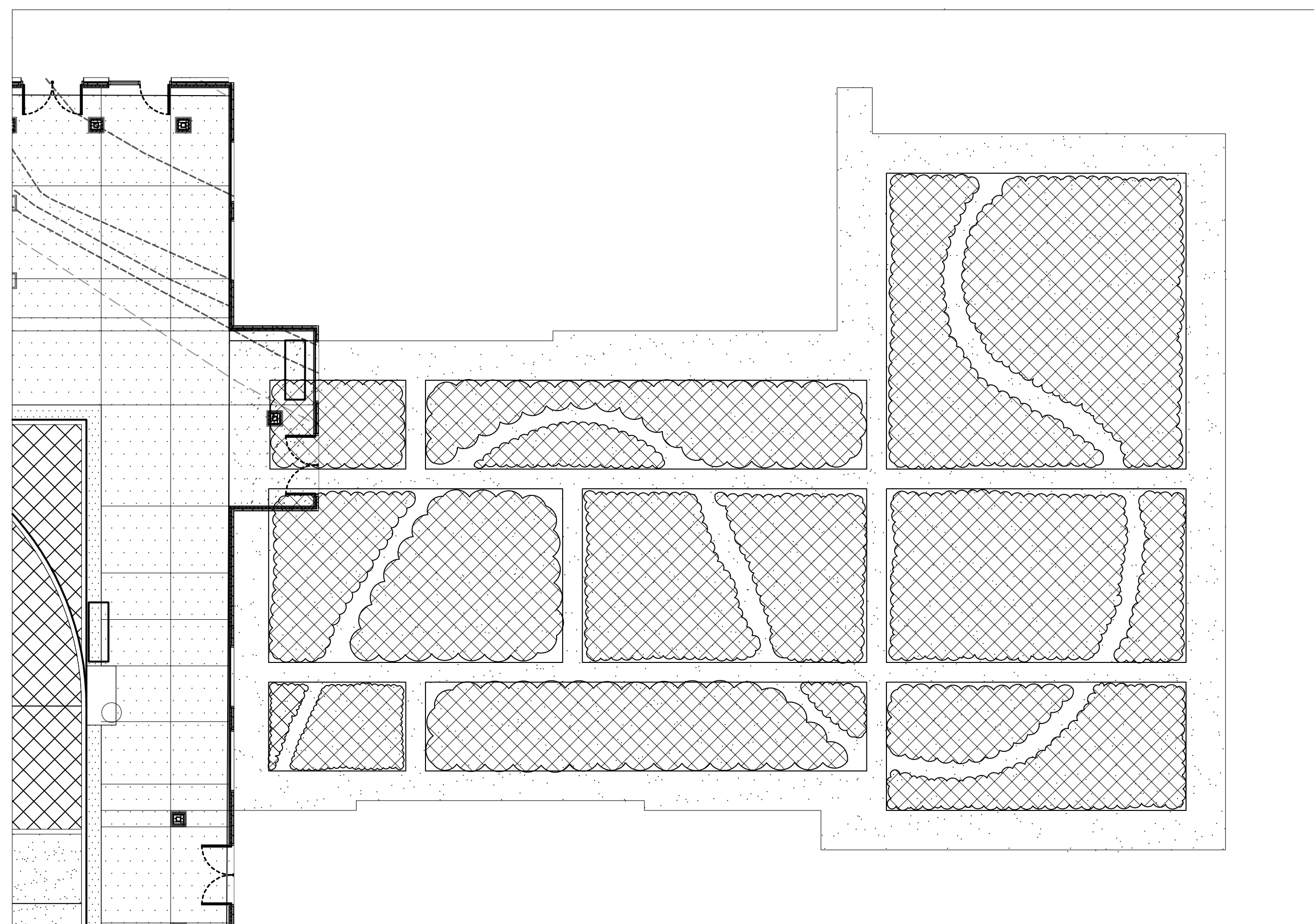
5 PLANT LIST
NTS



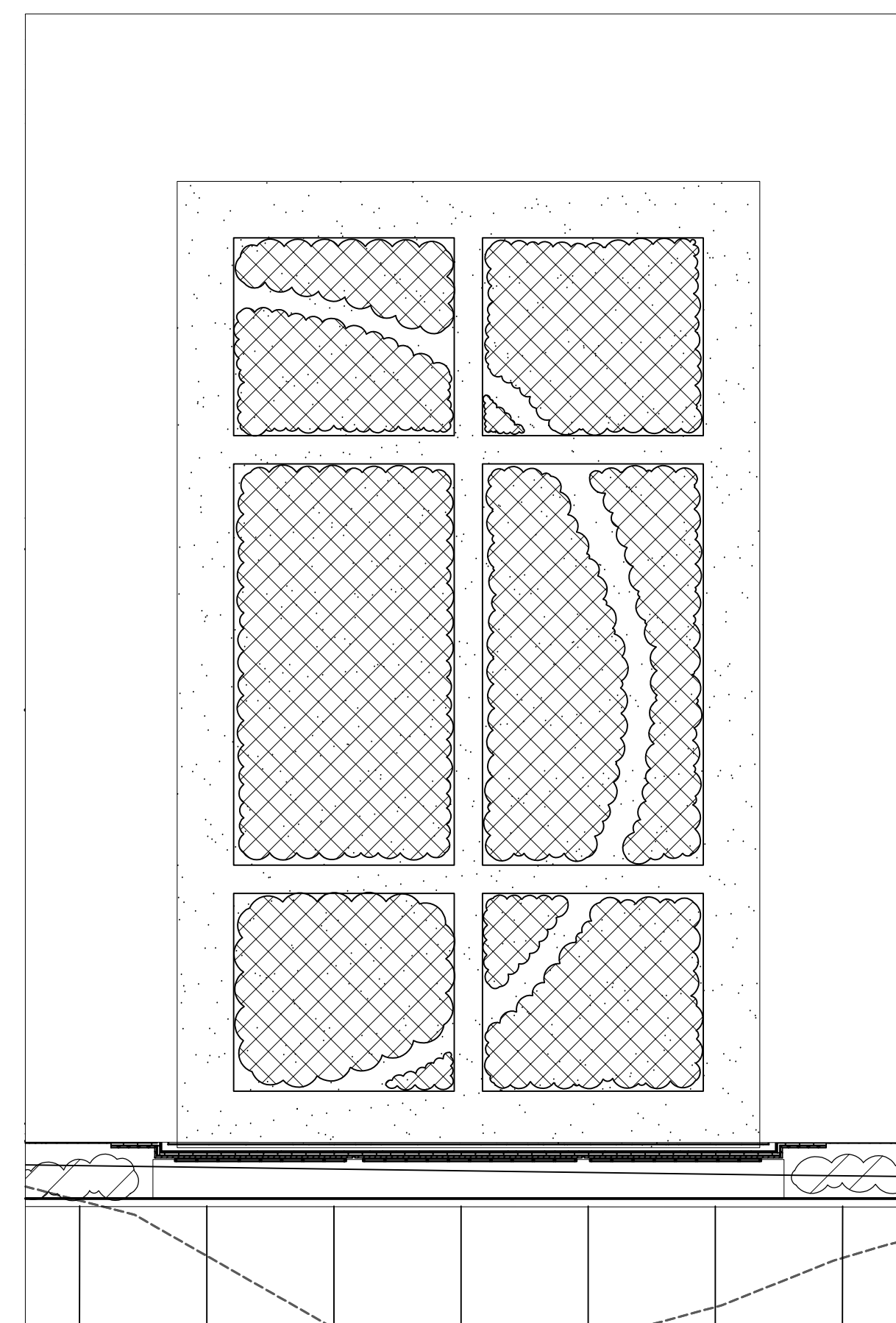
1 GREEN ROOF B-1
1" = 5'



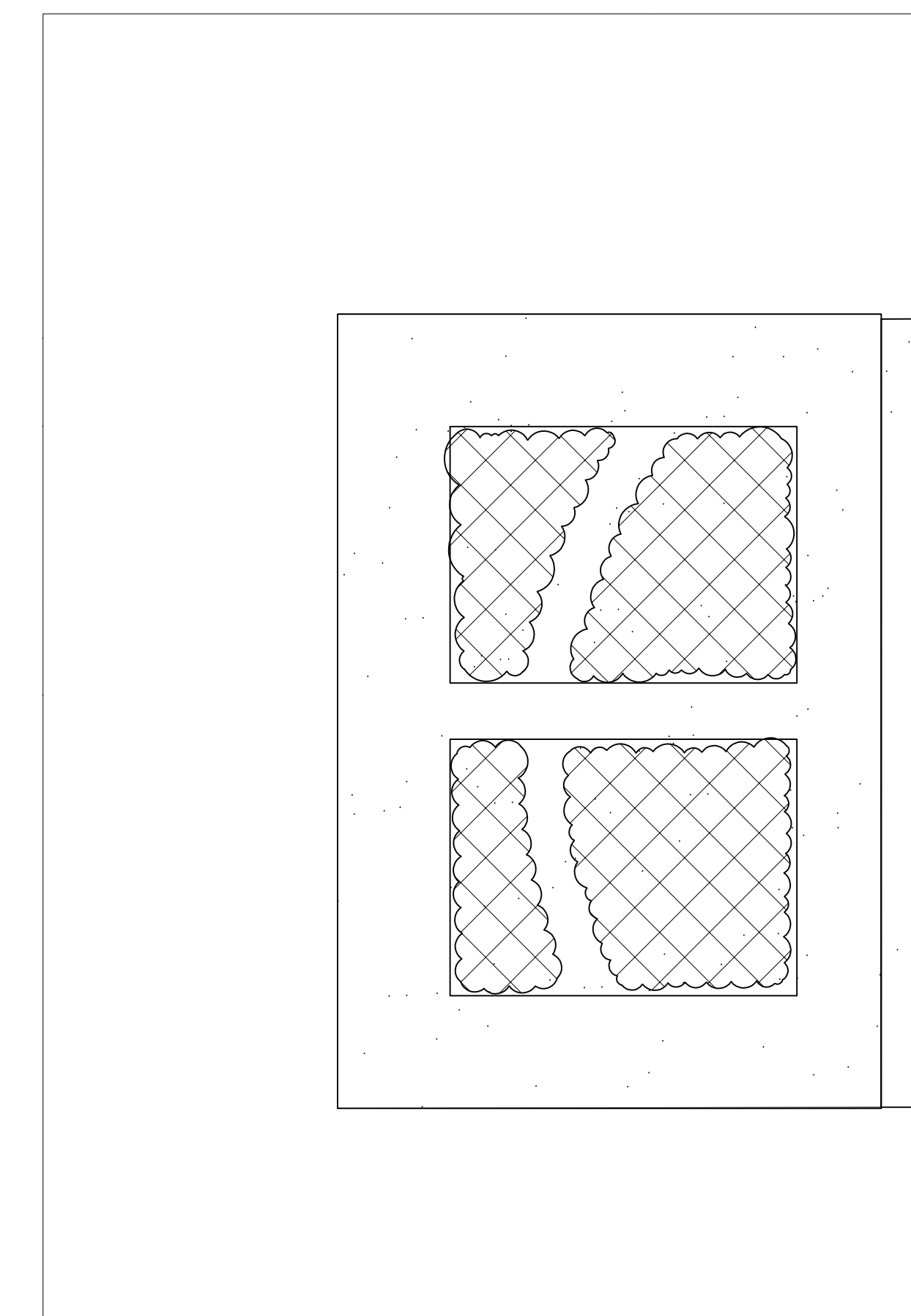
2 GREEN ROOF B-2
1" = 5'



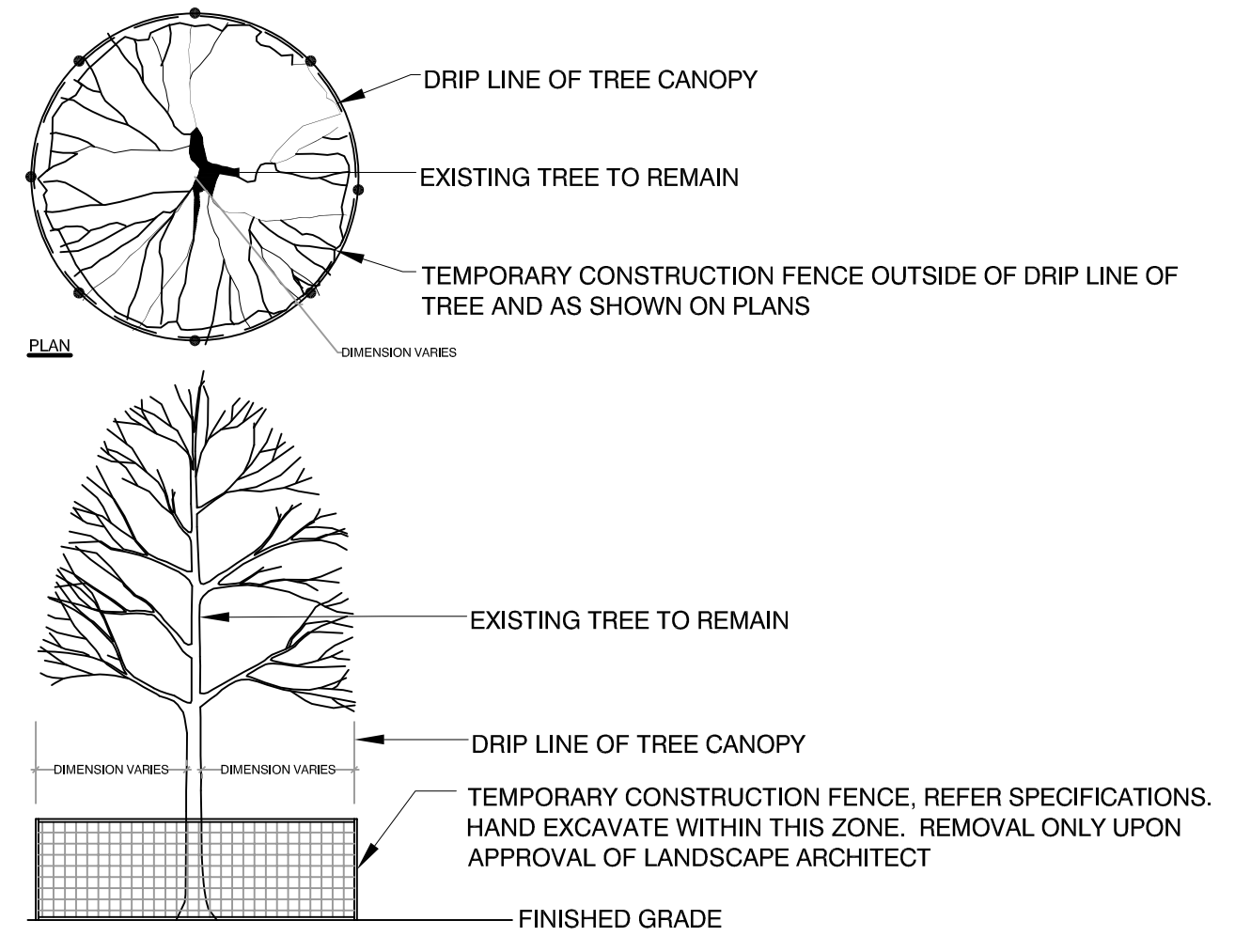
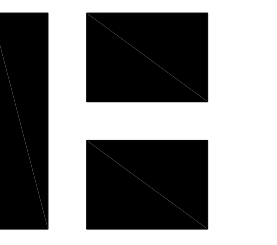
3 GREEN ROOF C2-1
1" = 10'



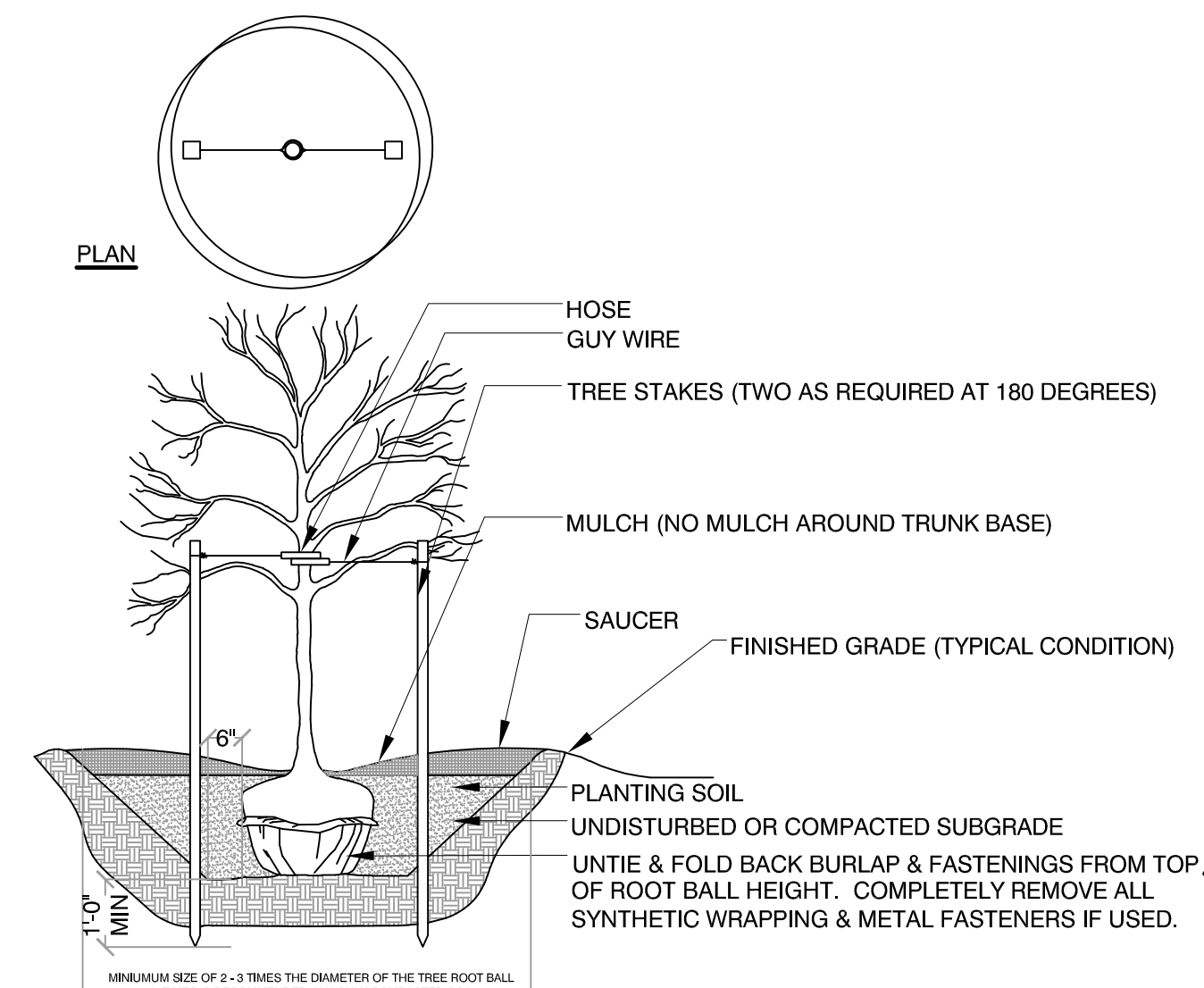
4 GREEN ROOF C2-2
1" = 10'



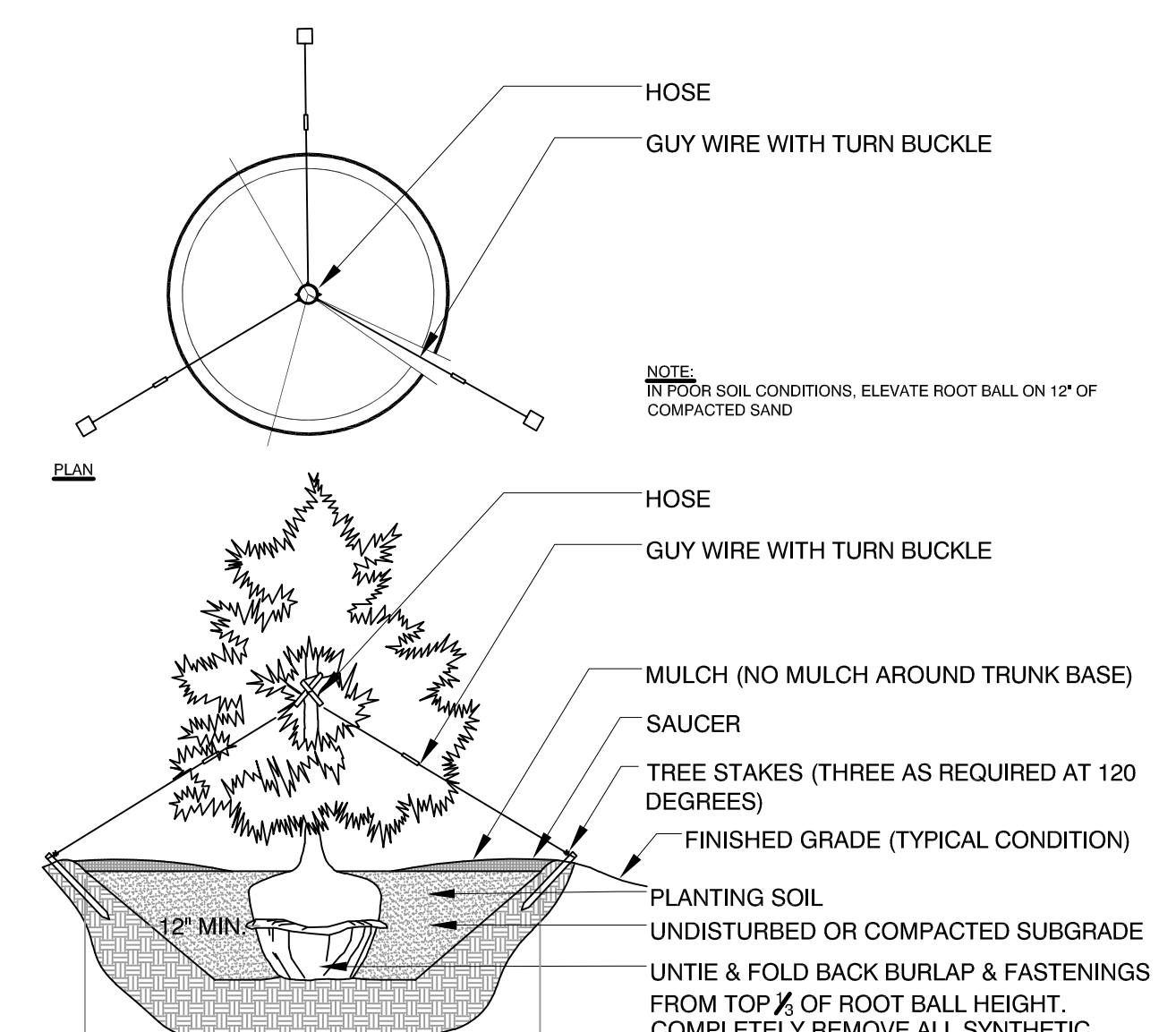
5 GREEN ROOF C2-3
1" = 5'



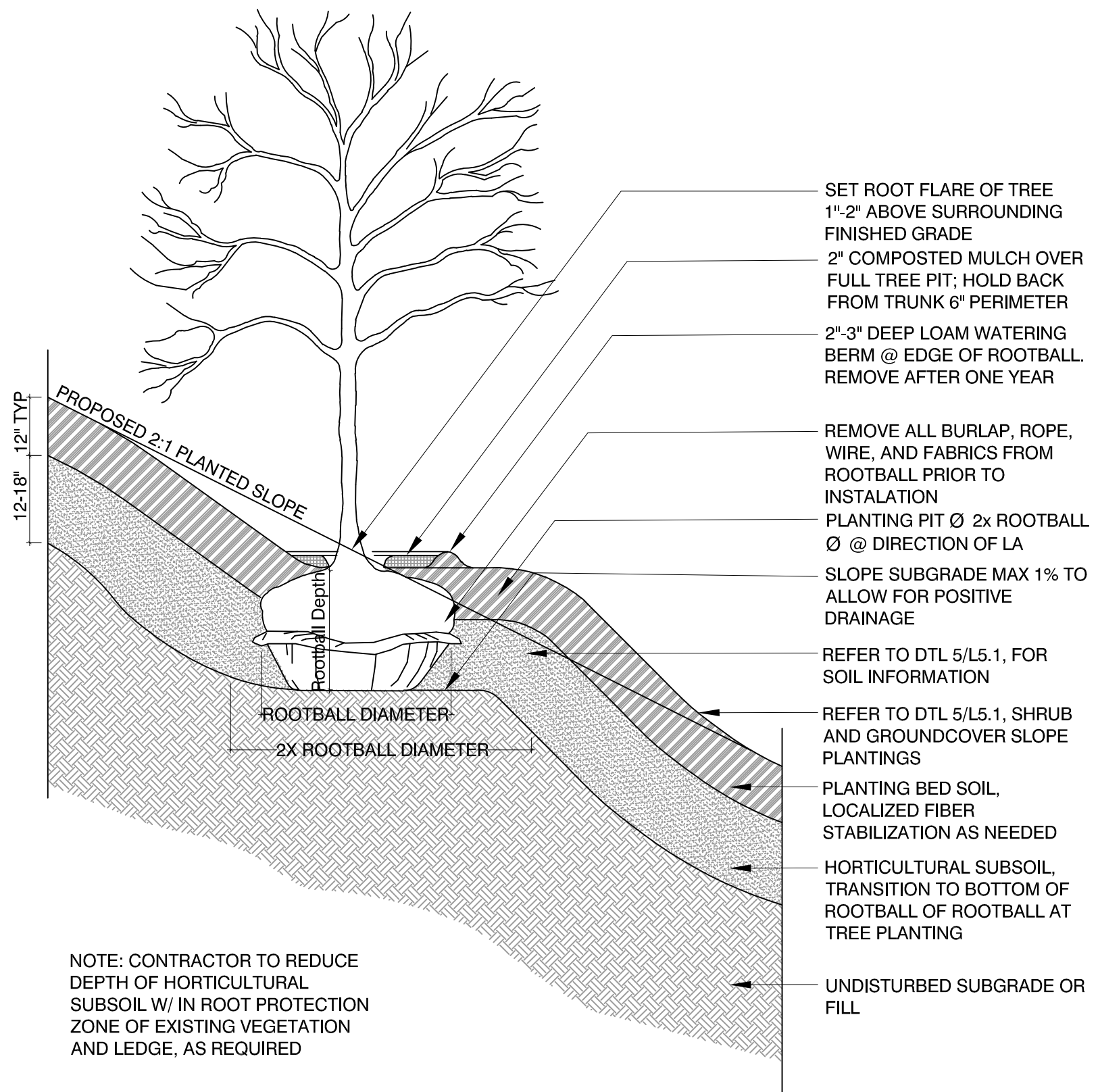
1 EXISTING TREE PROTECTION
SCALE: NTS



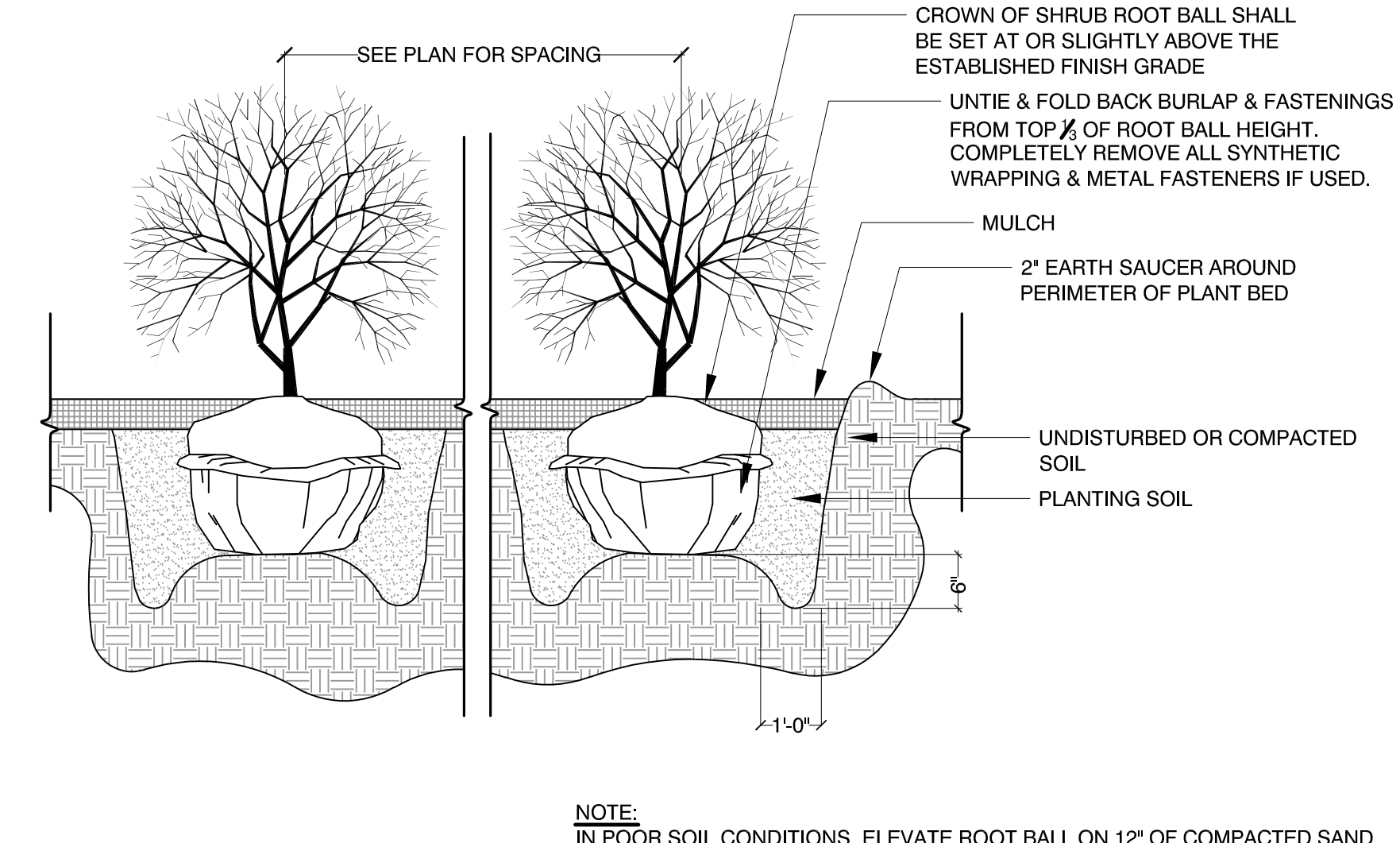
2 DECIDUOUS TREE PLANTING: TYPICAL
SCALE: NTS



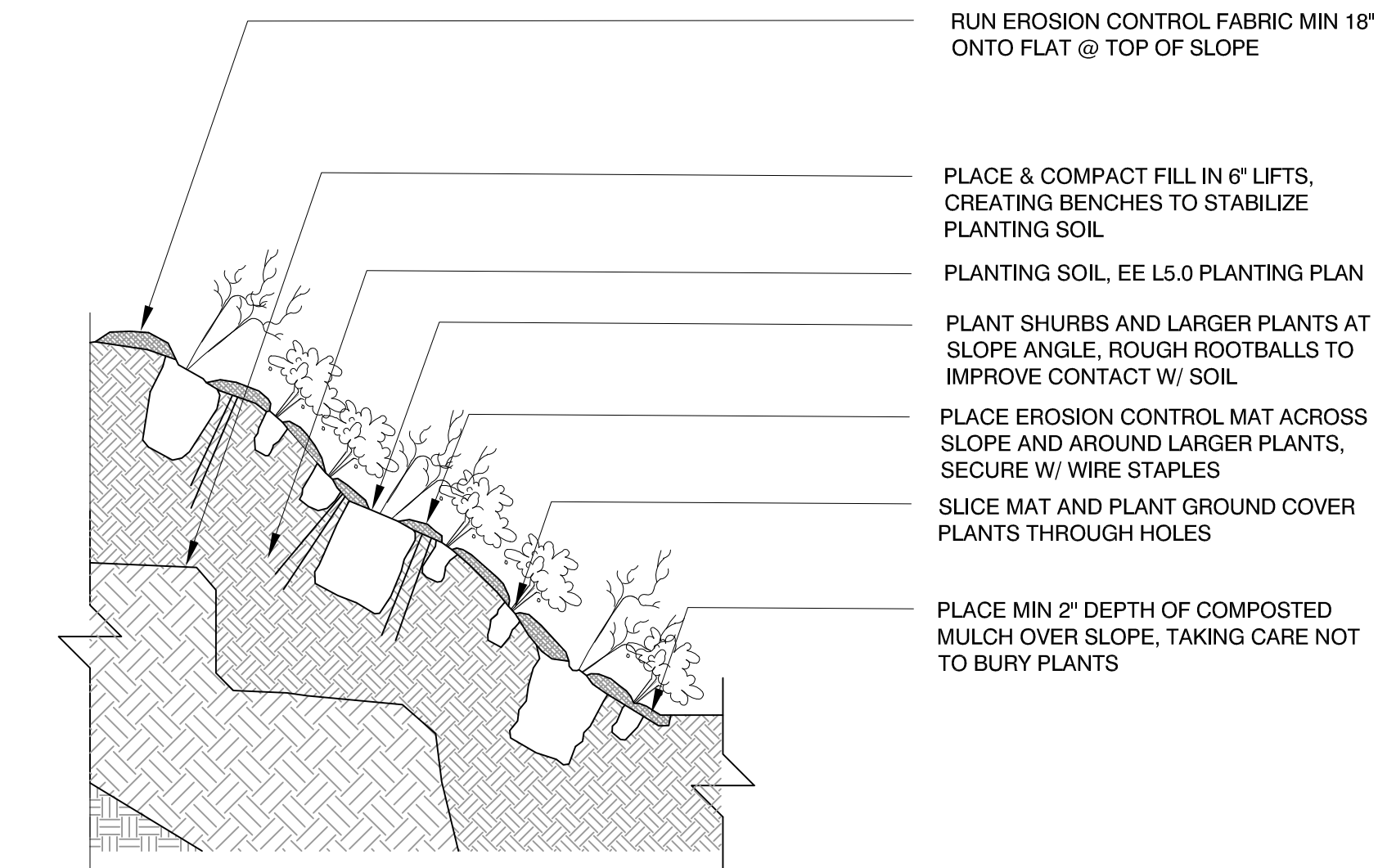
3 EVERGREEN TREE PLANTING: TYPICAL
SCALE: NTS



4 TREE PLANTING, STEEP TO MODERATE SLOPES, TYP
SCALE: 1/2\"/>



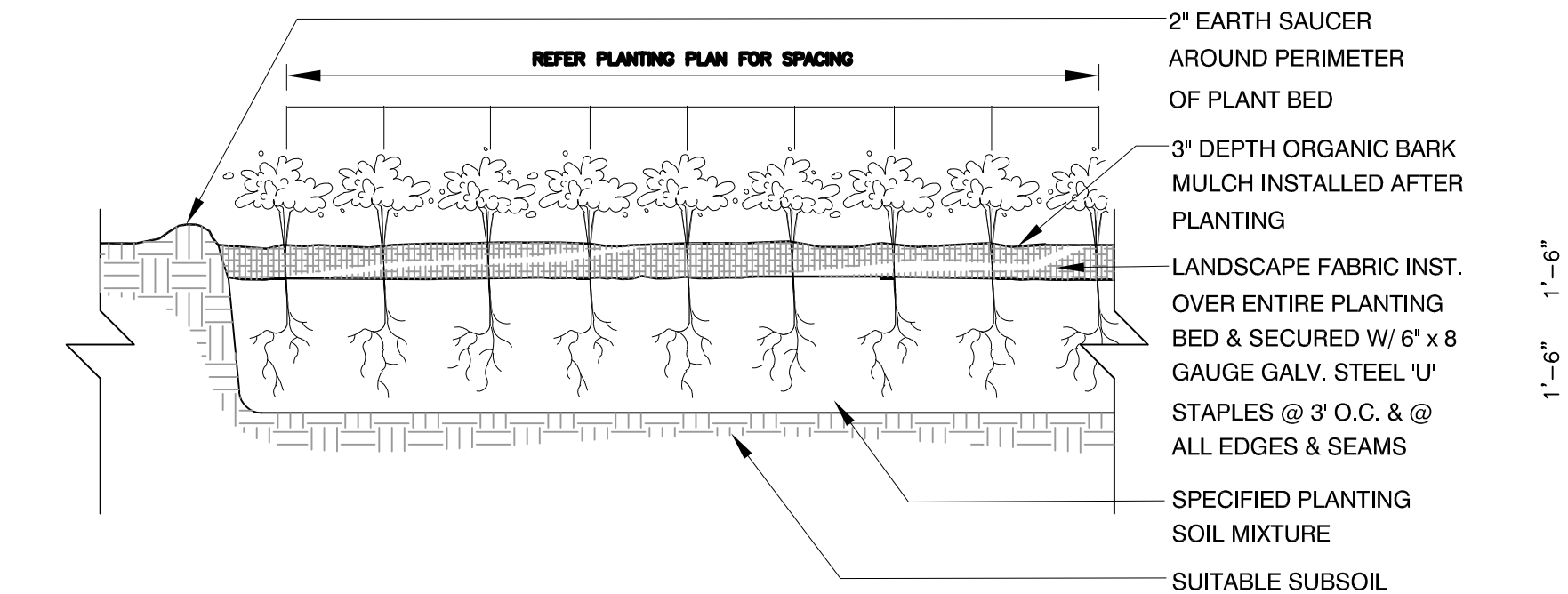
5 SHRUB PLANTING: TYPICAL
SCALE: NTS



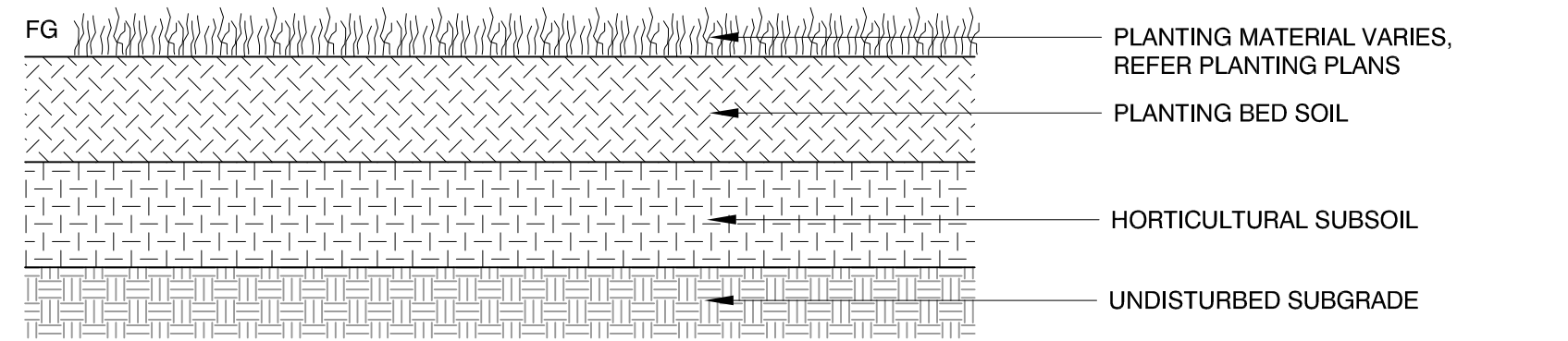
6 PLANTED SLOPE (AREA 3: 1 OR GREATER)
SCALE: NTS

| PLANT SPACING (A) | ROW SPACING (B) | PLANT SPACING (A) | ROW SPACING (B) |
|-------------------|-----------------|-------------------|-----------------|
| 6 IN. O.C. | 5 IN. O.C. | 24 IN. O.C. | 21 IN. O.C. |
| 8 IN. O.C. | 7 IN. O.C. | 30 IN. O.C. | 26 IN. O.C. |
| 10 IN. O.C. | 8 IN. O.C. | 36 IN. O.C. | 30 IN. O.C. |
| 12 IN. O.C. | 10 IN. O.C. | 48 IN. O.C. | 42 IN. O.C. |
| 15 IN. O.C. | 13 IN. O.C. | 54 IN. O.C. | 48 IN. O.C. |
| 18 IN. O.C. | 16 IN. O.C. | 60 IN. O.C. | 54 IN. O.C. |

7 GROUNDCOVER AND PERENNIAL SPACING CHART
SCALE: NTS

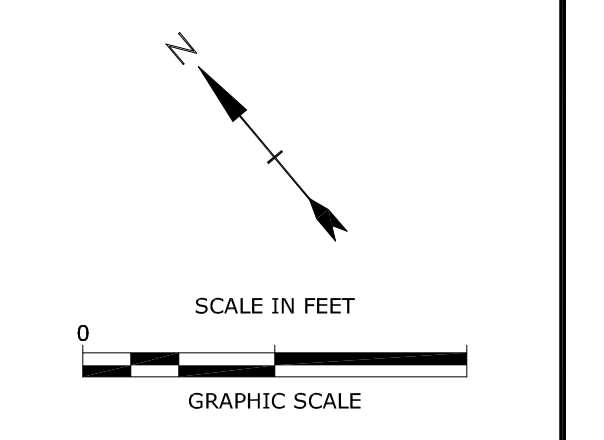


8 GROUNDCOVER AND PERENNIAL PLANTING: TYPICAL
SCALE: NTS



9 PLANTING SOIL - TREE PLANTING PROFILE
SCALE: NTS

PERMIT SET
NOT FOR CONSTRUCTION



**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

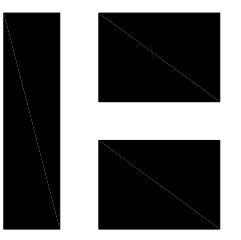
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|--------------|---------------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L3.0 Planting Details.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED BY: | JMP | |
| APPROVED BY: | BLM | |

**PLANTING
DETAILS**

SCALE: AS SHOWN

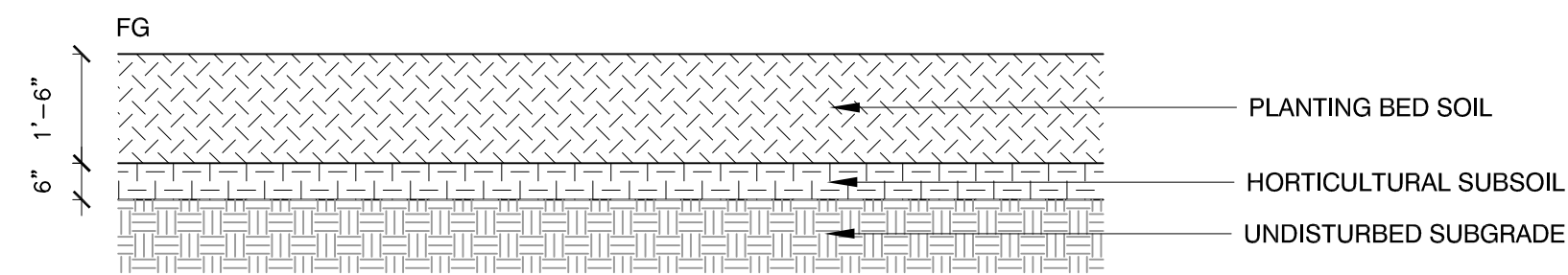
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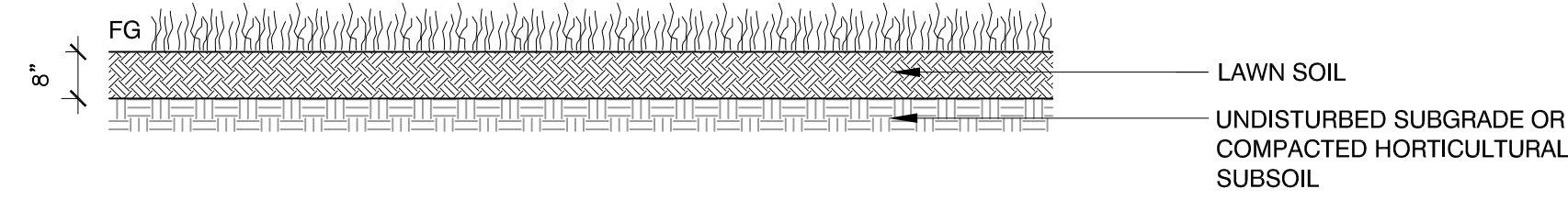


AUBURN PORTLAND PORTSMOUTH BOSTON

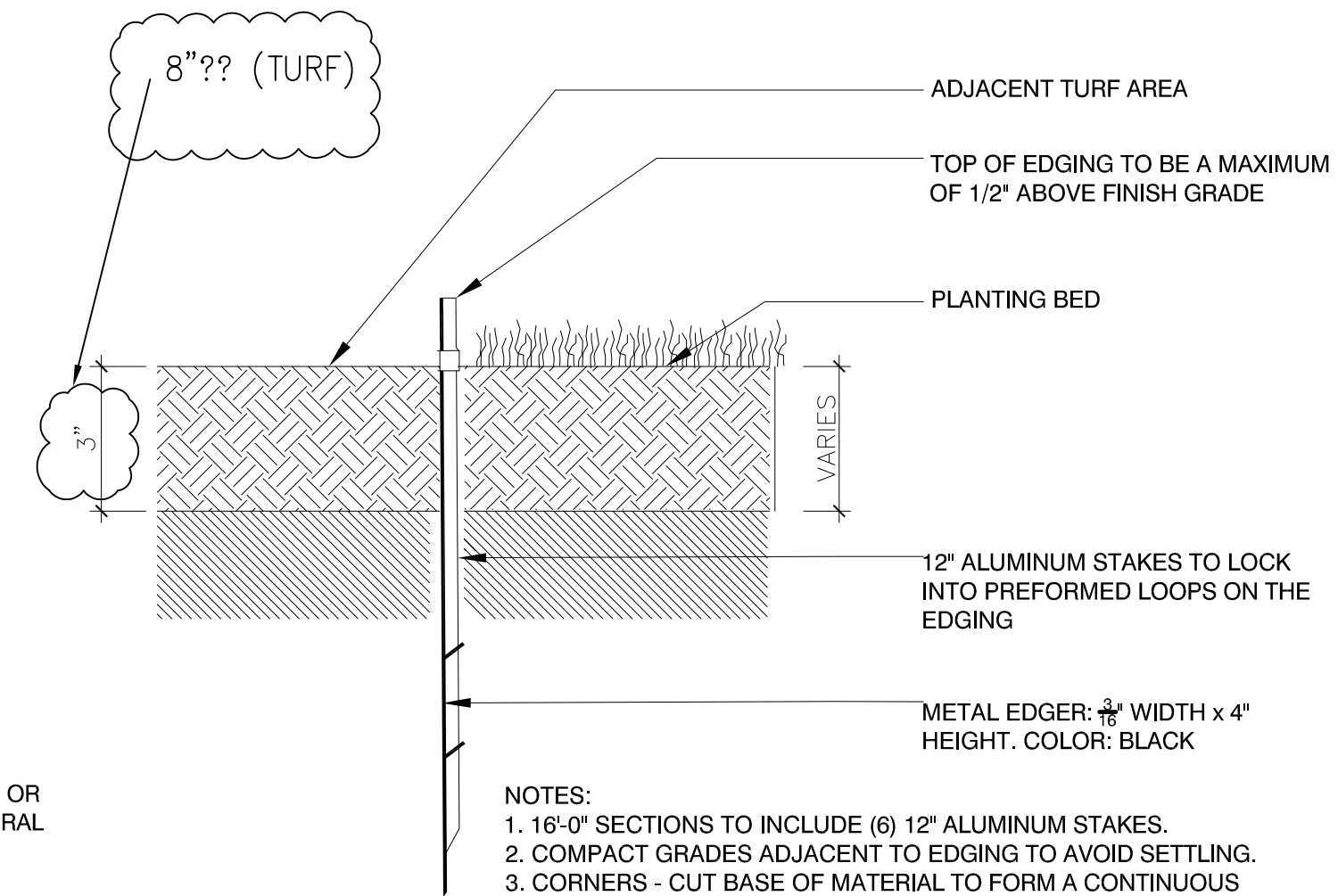
Harriman Project No. 16117



10 PLANTING SOIL - SHRUB, GROUNDCOVER AND PERENNIAL PROFILE
NTS

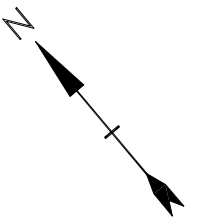


11 PLANTING SOIL - LAWN PROFILE
NTS



12 LANDSCAPE EDGER
N.T.S.

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

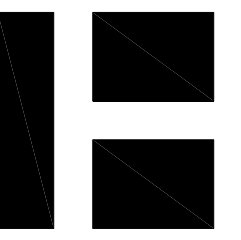
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|---------------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L3.0 Planting Details.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

**PLANTING
DETAILS**

SCALE: AS SHOWN

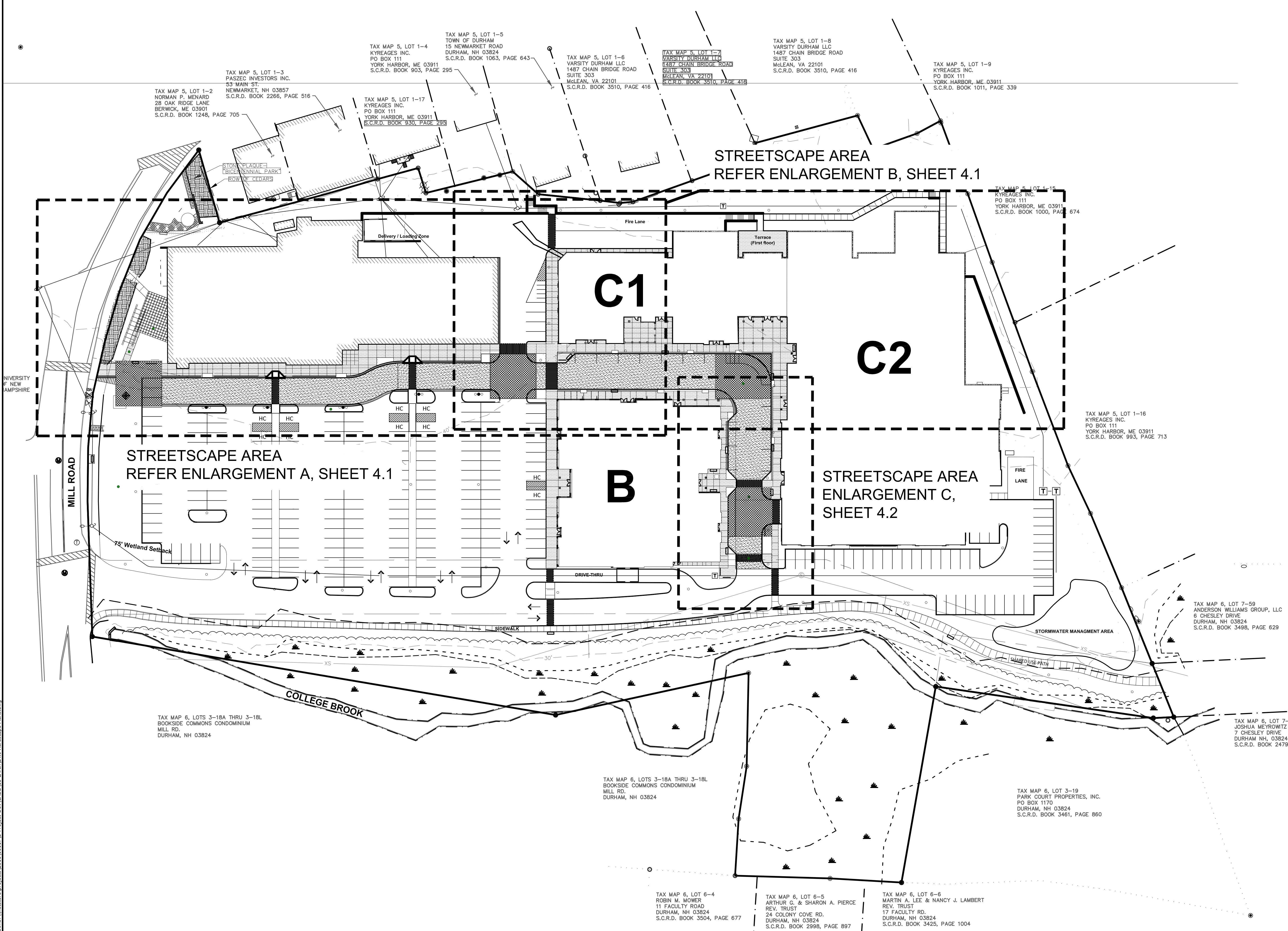
L3.1



HARRIMAN

AUBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

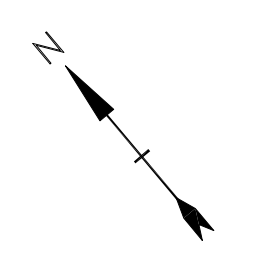


STREETSCAPE AREA
REFER ENLARGEMENT B, SHEET 4.1

STREETSCAPE AREA
REFER ENLARGEMENT A, SHEET 4.1

STREETSCAPE AREA
ENLARGEMENT C,
SHEET 4.2

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
0 40 80'
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
|-------------|--------------------------|-------------|
| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L4.0 Hardscape Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

**HARDSCAPE
OVERALL PLAN**

SCALE: AS SHOWN

L4.0

TAX MAP 6, LOTS 3-18A THRU 3-18L
BOOKSIDE COMMONS CONDOMINIUM
MILL RD.
DURHAM, NH 03824

TAX MAP 6, LOTS 3-18A THRU 3-18L
BOOKSIDE COMMONS CONDOMINIUM
MILL RD.
DURHAM, NH 03824

TAX MAP 6, LOT 3-19
PARK COURT PROPERTIES, INC.
PO BOX 1170
DURHAM, NH 03824
S.C.R.D. BOOK 3461, PAGE 860

TAX MAP 6, LOT 6-4
ROBIN M. MOWER
11 FACULTY ROAD
DURHAM, NH 03824
S.C.R.D. BOOK 3504, PAGE 677

TAX MAP 6, LOT 6-5
ARTHUR G. & SHARON A. PIERCE
REV. TRUST
24 COLONY COVE RD.
DURHAM, NH 03824
S.C.R.D. BOOK 2998, PAGE 897

TAX MAP 6, LOT 6-6
MARTIN A. LEE & NANCY J. LAMBERT
REV. TRUST
17 FACULTY RD.
DURHAM, NH 03824
S.C.R.D. BOOK 3425, PAGE 1004

TAX MAP 5, LOT 1-2
NORMAN P. MENARD
28 OAK RIDGE LANE
BERWICK, ME 03901
S.C.R.D. BOOK 1248, PAGE 705

TAX MAP 5, LOT 1-17
KYREAGES INC.
PO BOX 111
YORK HARBOR, ME 03911
S.C.R.D. BOOK 930, PAGE 295

TAX MAP 5, LOT 1-5
TOWN OF DURHAM
15 NEWMARKET ROAD
DURHAM, NH 03824
S.C.R.D. BOOK 1063, PAGE 643

TAX MAP 5, LOT 1-6
VARSITY DURHAM LLC
1487 CHAIN BRIDGE ROAD
SUITE 303
MCLEAN, VA 22101
S.C.R.D. BOOK 3510, PAGE 416

TAX MAP 5, LOT 1-7
VARSITY DURHAM LLC
1487 CHAIN BRIDGE ROAD
SUITE 303
MCLEAN, VA 22101
S.C.R.D. BOOK 3510, PAGE 416

TAX MAP 5, LOT 1-8
VARSITY DURHAM LLC
1487 CHAIN BRIDGE ROAD
SUITE 303
MCLEAN, VA 22101
S.C.R.D. BOOK 3510, PAGE 416

TAX MAP 5, LOT 1-9
KYREAGES INC.
PO BOX 111
YORK HARBOR, ME 03911
S.C.R.D. BOOK 1011, PAGE 339

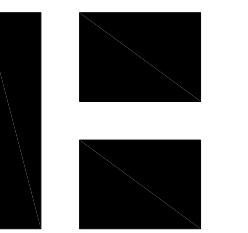
TAX MAP 5, LOT 1-15
KYREAGES INC.
PO BOX 111
YORK HARBOR, ME 03911
S.C.R.D. BOOK 1000, PAGE 674

TAX MAP 5, LOT 1-16
KYREAGES INC.
PO BOX 111
YORK HARBOR, ME 03911
S.C.R.D. BOOK 993, PAGE 713

TAX MAP 6, LOT 7-59
ANDERSON WILLIAMS GROUP, LLC
6 CHESLEY DRIVE
DURHAM, NH 03824
S.C.R.D. BOOK 3498, PAGE 629

TAX MAP 6, LOT 7-58
JOSHUA MEYROWITZ REV. TRUST
7 CHESLEY DRIVE
DURHAM, NH, 03824
S.C.R.D. BOOK 2479, PAGE 16

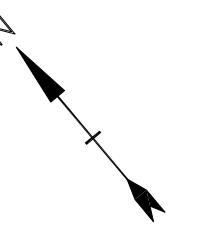
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 Plotted On: May 22, 2018 9:13am
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HARRIMAN
AUBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

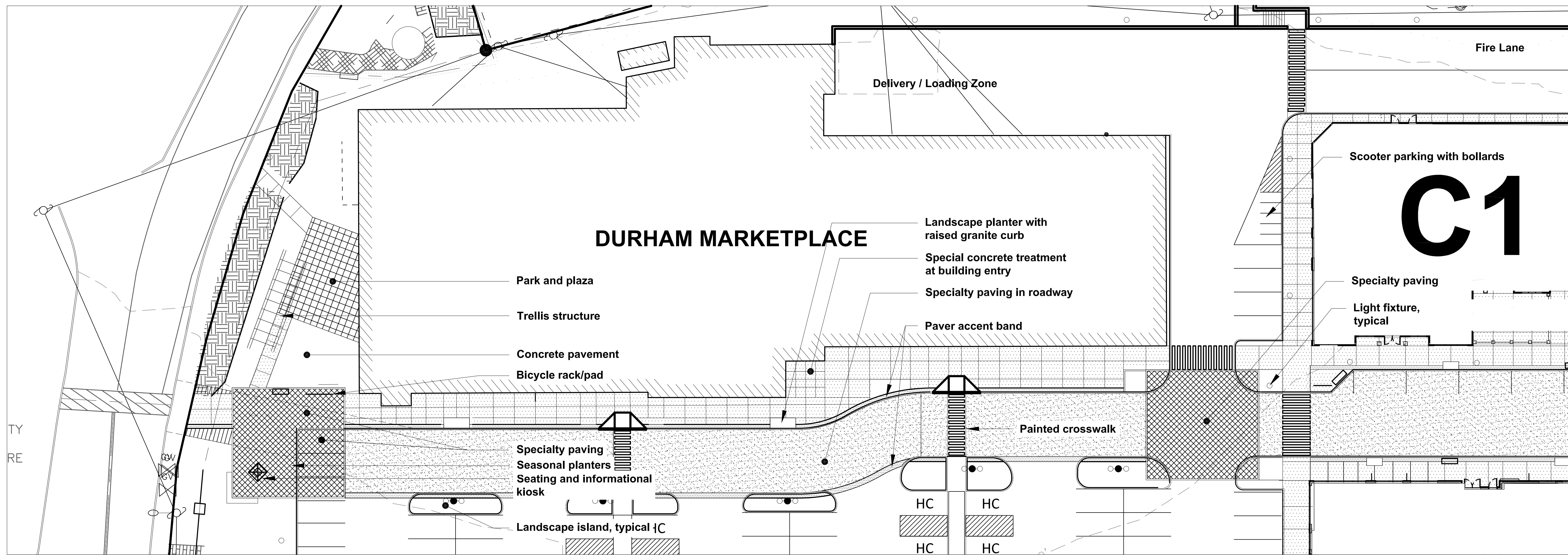
**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

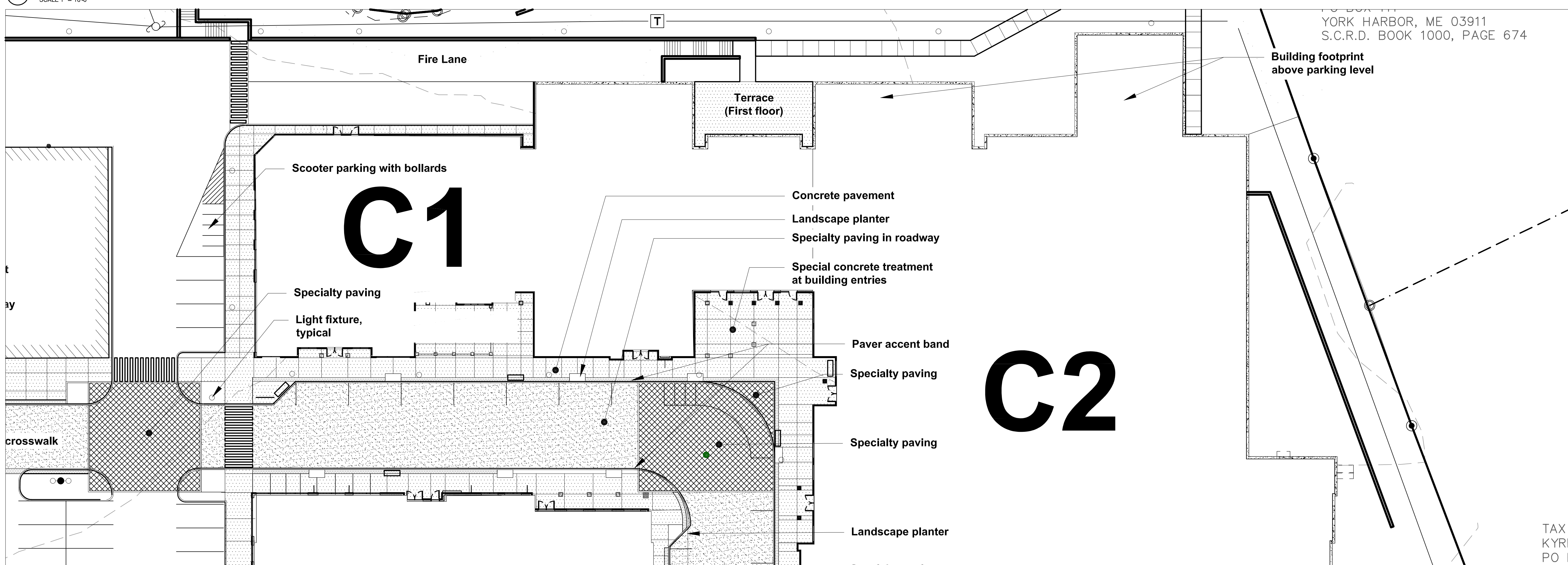
7 Mill Road, Unit L
Durham,
New Hampshire 03824

| MARK | DATE | DESCRIPTION |
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| PROJECT NO: | M1529-002 | |
| DATE: | 5/23/2018 | |
| FILE: | L4.0 Hardscape Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |
| HARDSCAPE PLAN | | |
| SCALE: | AS SHOWN | |

L4.1



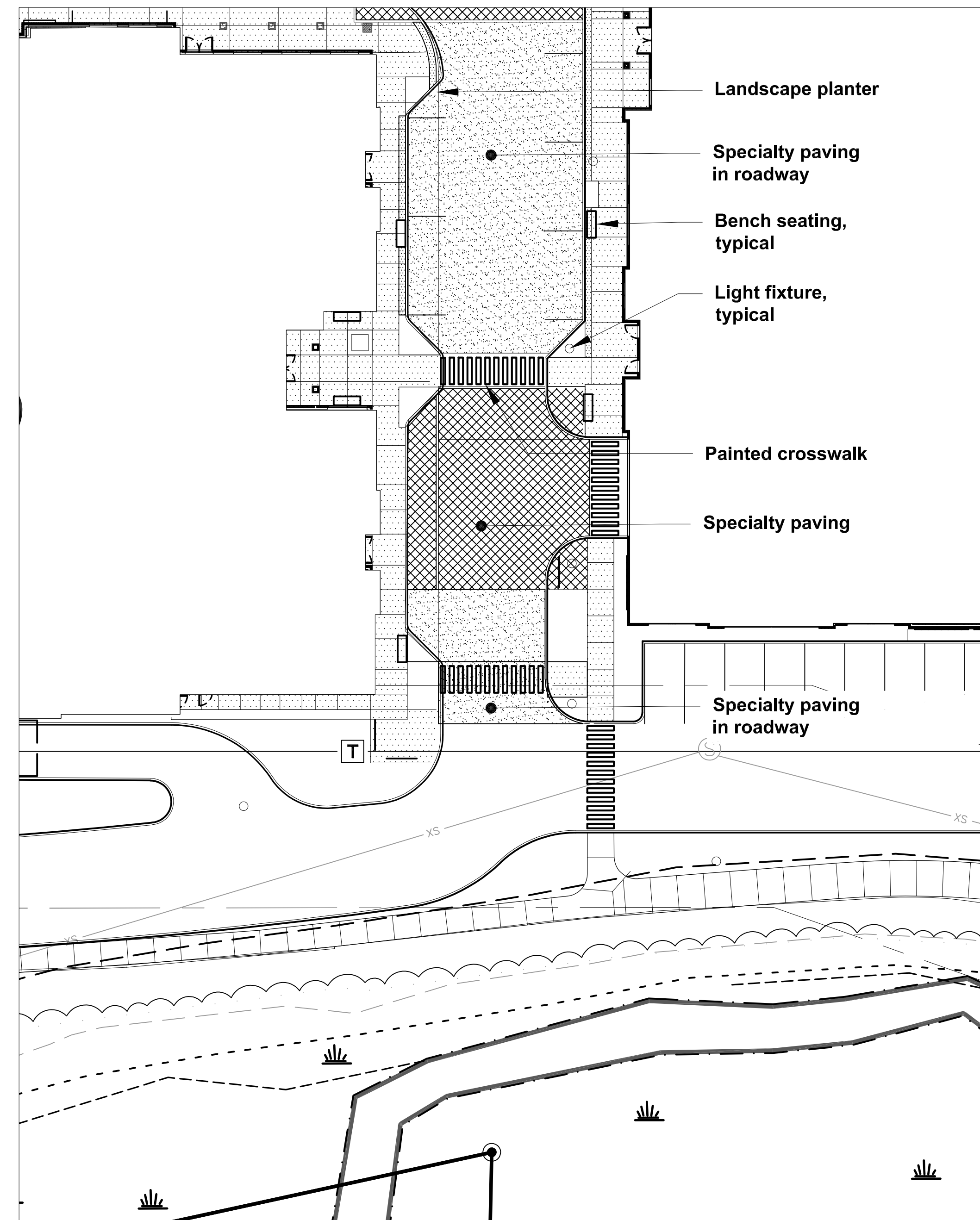
A STREETScape PLAN ENLARGEMENT A
SCALE 1" = 10'-0"



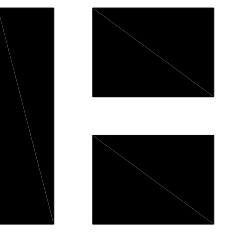
B STREETScape PLAN ENLARGEMENT B
SCALE 1" = 10'-0"

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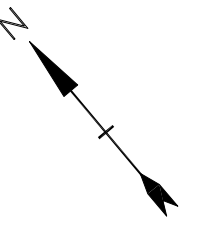
© STREETScape AREA PLAN ENLARGEMENT C
 SCALE 1" = 10'



HARRIMAN
AUBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

PERMIT SET
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SCALE IN FEET
 0 40 80
 GRAPHIC SCALE

**Mill Plaza
 Redevelopment**

Colonial Durham
 Associates, LP

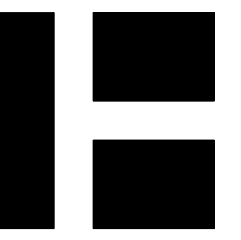
7 Mill Road, Unit L
 Durham,
 New Hampshire 03824

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| DATE: | 5/23/2018 | |
| FILE: | L4.0 Hardscape Plans.dwg | |
| DRAWN BY: | HAS/TNE | |
| CHECKED: | JMP | |
| APPROVED: | BLM | |

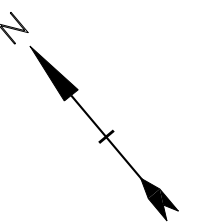
**HARDSCAPE
 PLAN**

SCALE: AS SHOWN

L4.2



PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
0 40 80'
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates, LP

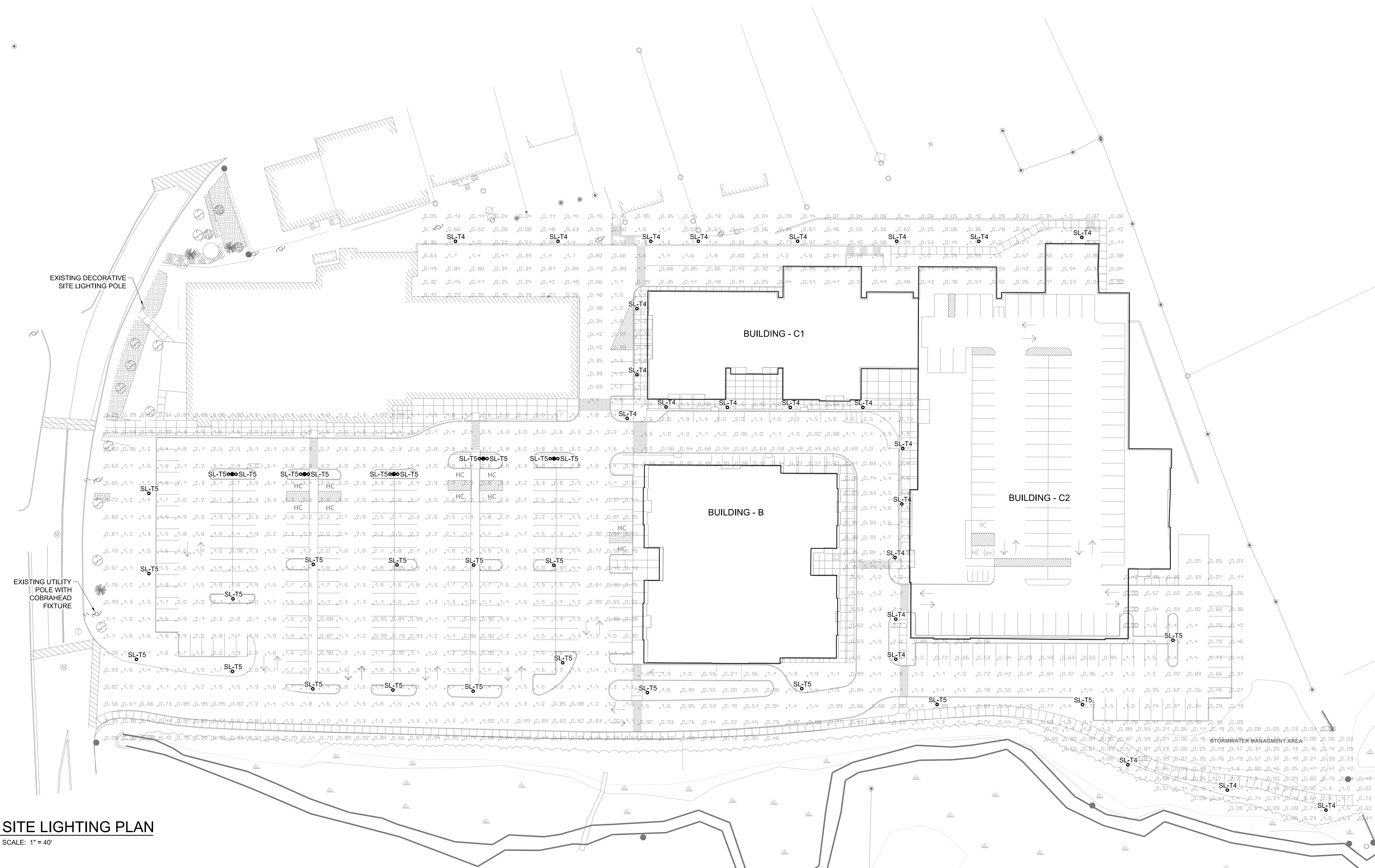
7 Mill Road, Unit L
Durham,
New Hampshire 03824

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|-------------|-----------|-------------|
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| DATE: | 5/23/2018 | |
| FILE: | | |
| DRAWN BY: | BSO | |
| CHECKED BY: | JWT | |
| APPROVED: | JWT | |

**ELECTRICAL SITE
LIGHTING PLAN**

SCALE: AS SHOWN

ES10.1

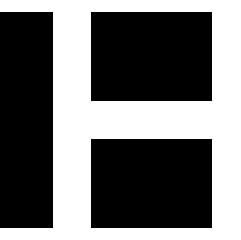


2 SITE LIGHTING PLAN
SCALE: 1" = 40'

| LIGHTING FIXTURE SCHEDULE | | | | | | | | | |
|--|----------------|---------------------------------------|------|------|-----|------|-------|------|--|
| ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE LAMPS, HANGERS, FITTINGS, ETC. FOR A COMPLETE AND PROPER INSTALLATION | | | | | | | | | |
| TYPE | MANUFACTURER | CATALOG NO. | MTG. | VOLT | NO. | WATT | LAMPS | TYPE | REMARKS/BALAST INFORMATION |
| SL-T4 | APPROVED EQUAL | MPTR-SW30LE-EDAR-LE4-3770GMP-FN1-BKTX | POLE | 277 | | 35 | LED | | PROVIDE 1/2" SHARP POINTED STEEL POLE. POLE SHALL ACCEPT THREE 1" CONDUITS. POLE COLOR SHALL MATCH FIXTURE COLOR. POLE SHALL BE RATED FOR FIXTURE AND WINDING WIND SPEEDS PER IBC. SEE HEAD. |
| SL-T5 | APPROVED EQUAL | MPTR-SW30LE-EDAR-LE4-3770GMP-FN1-BKTX | POLE | 277 | | 87 | LED | | PROVIDE 1/2" SHARP POINTED STEEL POLE. POLE SHALL ACCEPT THREE 1" CONDUITS. POLE COLOR SHALL MATCH FIXTURE COLOR. POLE SHALL BE RATED FOR FIXTURE AND WINDING WIND SPEEDS PER IBC. SEE HEAD. |

1 SITE LIGHTING FIXTURE SCHEDULE
SCALE: NO SCALE

Last Saved: 5/22/2018
 Tighe & Bond | \inetstore\projects\2016\16117-3-project-dev\CADD\Titleblocks\1_Tighebond_24x36_T&B_BRCR.dwg



D1 EXTERIOR ELEVATION - "B" WEST
SCALE: 1/16" = 1'-0"



D2 EXTERIOR ELEVATION - "B" NORTH
SCALE: 1/16" = 1'-0"

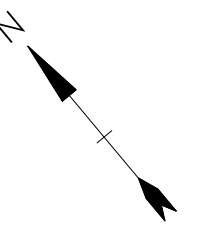


C1 EXTERIOR ELEVATION - "B" SOUTH
SCALE: 1/16" = 1'-0"



C2 EXTERIOR ELEVATION "B" EAST
SCALE: 1/16" = 1'-0"

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates

Durham,
New Hampshire

| MARK | DATE | DESCRIPTION |
|-------------|----------|-------------|
| PROJECT NO. | 16117 | |
| DATE: | 5/23/18 | |
| FILE: | | |
| DRAWN BY: | ERP | |
| CHECKED: | Checker | |
| APPROVED: | Approver | |

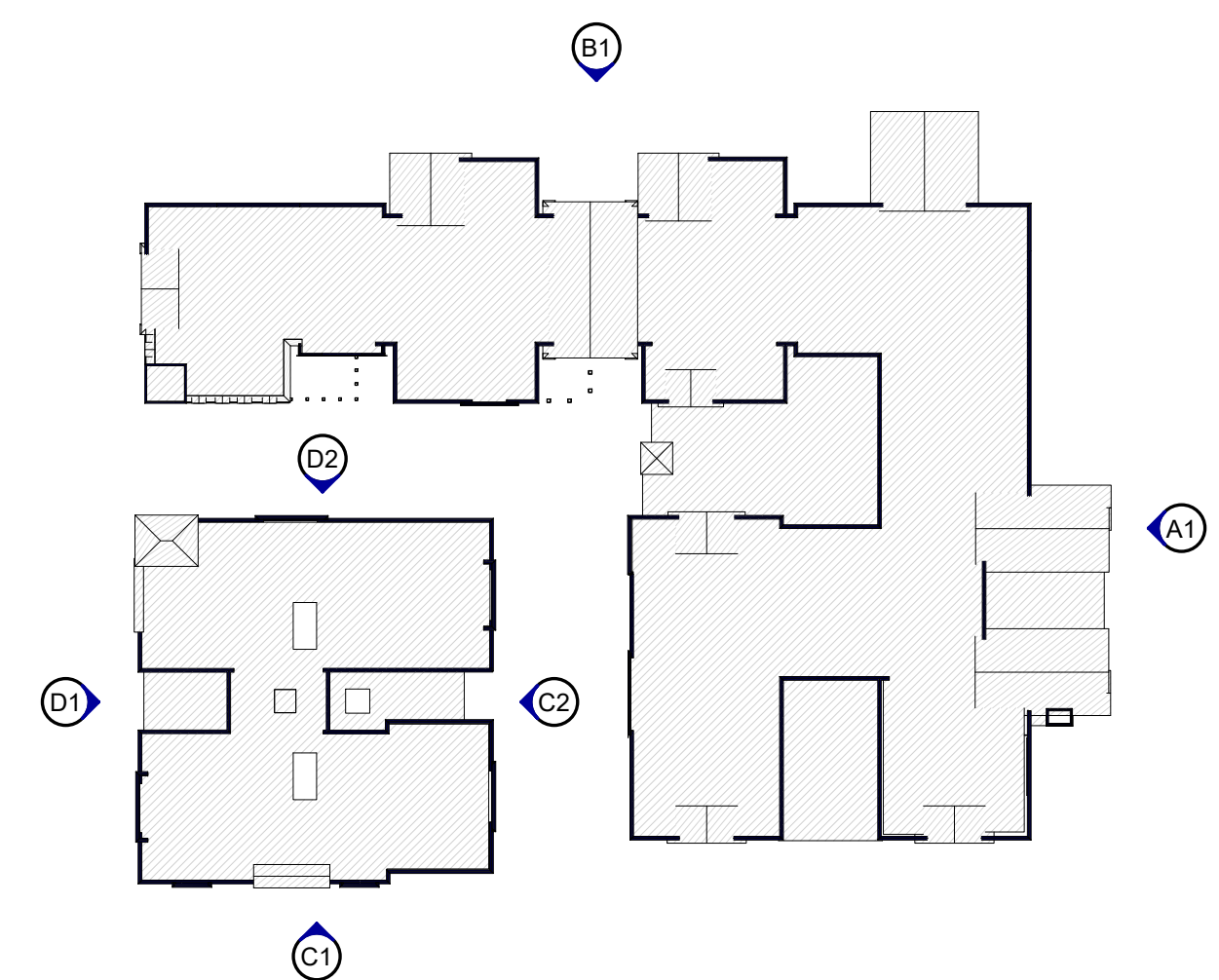
| |
|---------------------|
| EXTERIOR ELEVATIONS |
| SCALE: As indicated |
| A20.1 |



B1 EXTERIOR ELEVATION "C" NORTH
SCALE: 1/16" = 1'-0"



A1 EXTERIOR ELEVATION - "C2" EAST
SCALE: 1/16" = 1'-0"



A2 KEY PLAN FOR A20.1
SCALE: 1" = 80'-0"



C1 EXTERIOR ELEVATION - "C1" SOUTH
SCALE: 1/16" = 1'-0"



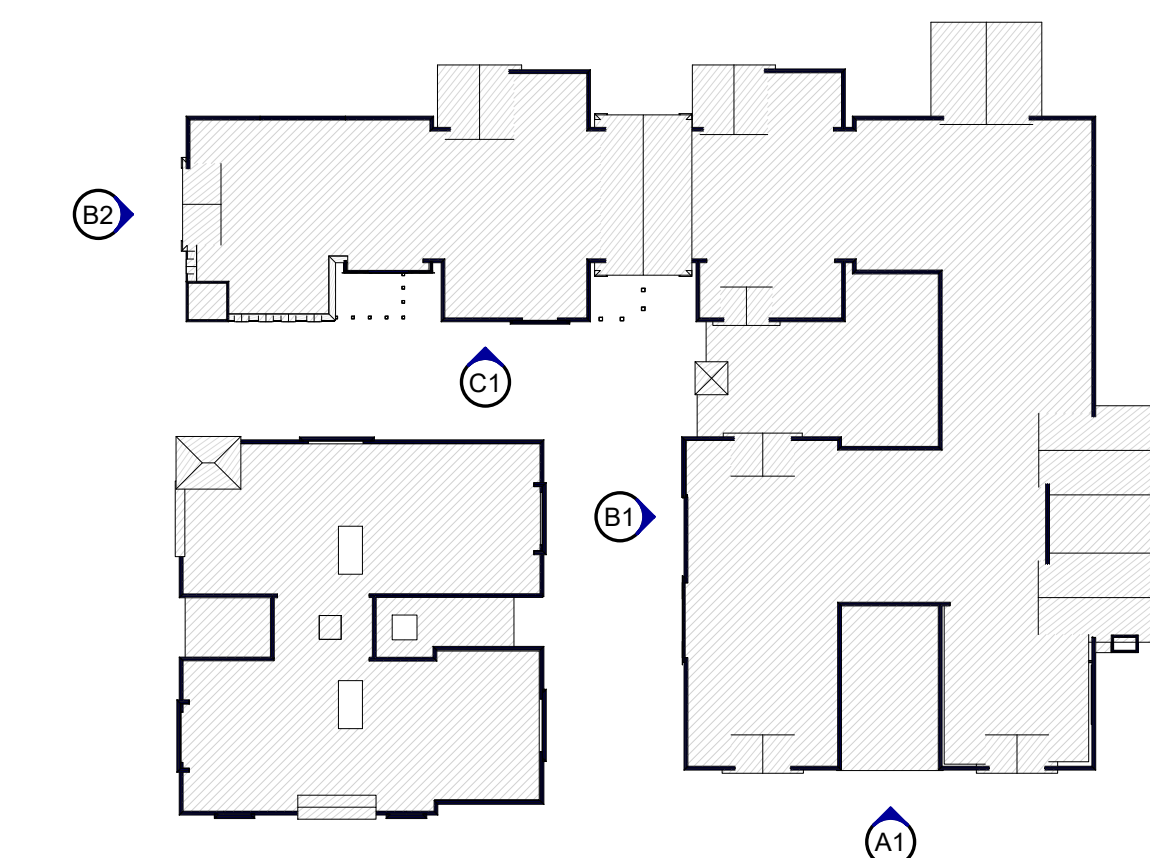
B1 EXTERIOR ELEVATION - "C2" WEST
SCALE: 1/16" = 1'-0"



B2 EXTERIOR ELEVATION - "C1" WEST
SCALE: 1/16" = 1'-0"

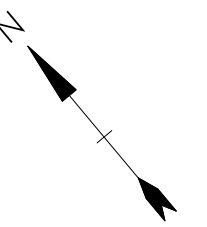


A1 EXTERIOR ELEVATION - "C2" SOUTH
SCALE: 1/16" = 1'-0"



A2 KEY PLAN FOR A20.2
SCALE: 1" = 80'-0"

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates

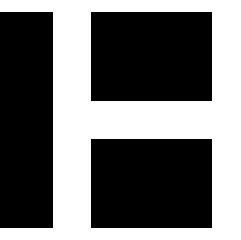
Durham,
New Hampshire

| MARK | DATE | DESCRIPTION |
|-------------|----------|-------------|
| PROJECT NO. | 16117 | |
| DATE: | 5/23/18 | |
| FILE: | | |
| DRAWN BY: | ERP | |
| CHECKED: | Checker | |
| APPROVED: | Approver | |

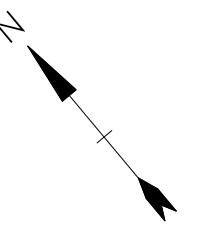
EXTERIOR ELEVATIONS

SCALE: As indicated

A20.2



PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates

Durham,
New Hampshire

| MARK | DATE | DESCRIPTION |
|-------------|----------|-------------|
| PROJECT NO. | 16117 | |
| DATE: | 5/23/18 | |
| FILE: | | |
| DRAWN BY: | ERP | |
| CHECKED: | Checker | |
| APPROVED: | Approver | |

RENDERINGS

SCALE: 1" = 80'-0"

A20.3



D1 EXTERIOR ELEVATION - "B" WEST
NO SCALE



D2 EXTERIOR ELEVATION - "B" NORTH
NO SCALE



C1 EXTERIOR ELEVATION - "B" SOUTH
NO SCALE



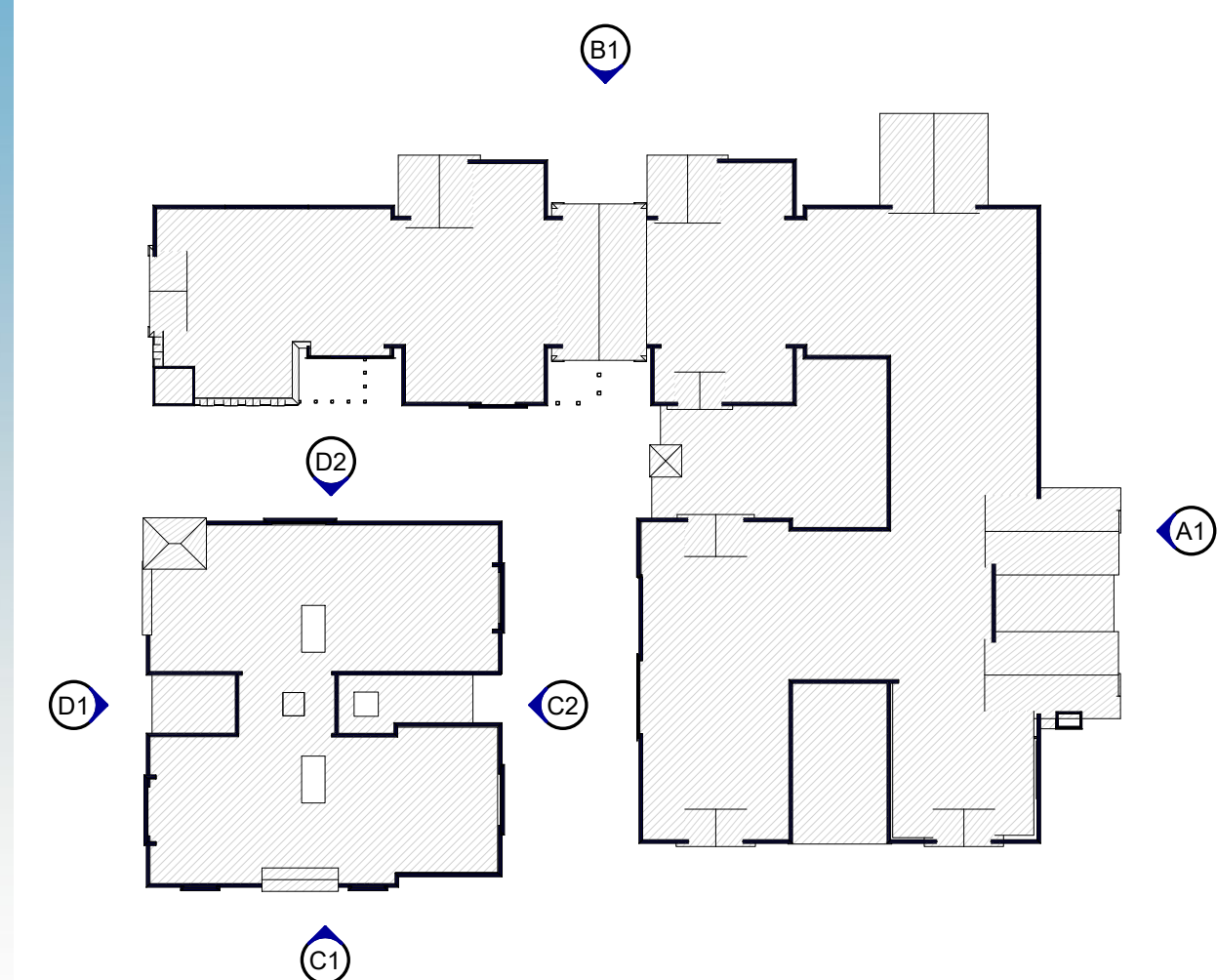
C2 EXTERIOR ELEVATION - "B" EAST
NO SCALE



B1 EXTERIOR ELEVATION - "C" NORTH
NO SCALE



A1 EXTERIOR ELEVATION - "C2" EAST
NO SCALE



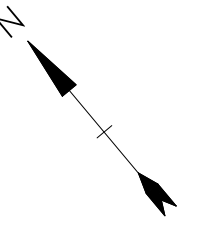
A2 KEY PLAN FOR A20.3
SCALE: 1" = 80'-0"



HARRIMAN
ALBURN PORTLAND PORTSMOUTH BOSTON

Harriman Project No. 16117

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates

Durham,
New Hampshire

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| MARK | DATE | DESCRIPTION |
|-------------|----------|-------------|
| PROJECT NO. | 16117 | |
| DATE: | 5/23/18 | |
| FILE: | | |
| DRAWN BY: | Author | |
| CHECKED: | Checker | |
| APPROVED: | Approver | |

RENDERINGS

SCALE: 1" = 80'-0"

A20.4



C1 EXTERIOR ELEVATION - "C1" SOUTH
NO SCALE



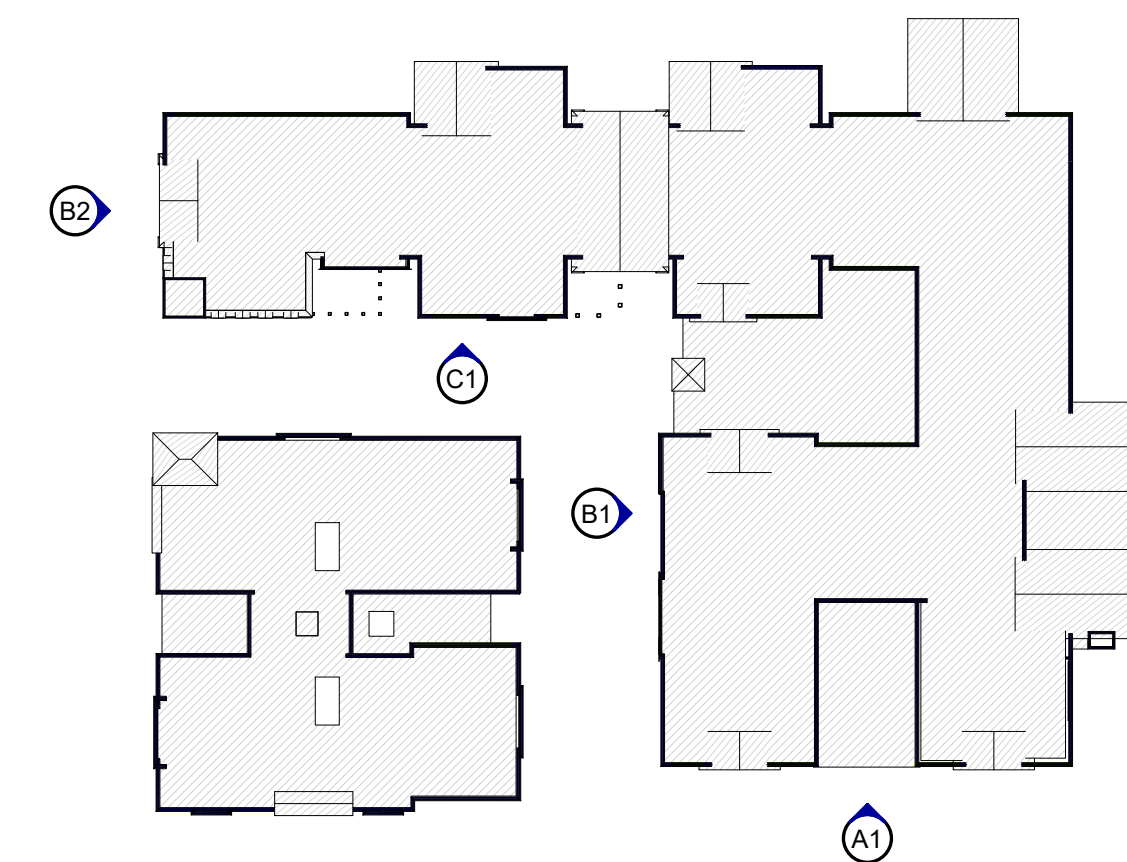
B1 EXTERIOR ELEVATION - "C2" WEST
NO SCALE



B2 EXTERIOR ELEVATION - "C1" WEST
NO SCALE



A1 EXTERIOR ELEVATION - "C2" SOUTH
NO SCALE



A2 KEY PLAN FOR A20.4
SCALE: 1" = 80'-0"



C1 RETAIL - LEFT ELEVATION
SCALE: NO SCALE



B1 RETAIL - RIGHT ELEVATION
SCALE: NO SCALE

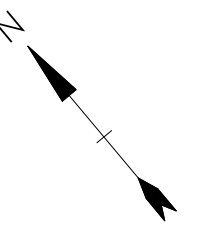


A1 RETAIL - FRONT ELEVATION
SCALE: NO SCALE

NOTES:

1. CONCEPTUAL ILLUSTRATION OF FACADE IMPROVEMENTS SUBJECT TO DISCUSSION WITH HANNAFORD AND RITE AID.

PERMIT SET
NOT FOR CONSTRUCTION



SCALE IN FEET
GRAPHIC SCALE

**Mill Plaza
Redevelopment**

Colonial Durham
Associates

Durham,
New Hampshire

| MARK | DATE | DESCRIPTION |
|-------------|----------|-------------|
| PROJECT NO: | 00000 | |
| DATE: | 5/23/18 | |
| FILE: | | |
| DRAWN BY: | DRE | |
| CHECKED: | Checker | |
| APPROVED: | Approver | |

RENDERINGS

SCALE: NO SCALE

A20.5