

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THIS PROJECT.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, SCHEDULING AND SAFETY FOR THIS PROJECT.
3. ALL WORK SHALL BE PERFORMED IN CONFORMANCE TO THE MASSACHUSETTS STATE BUILDING CODE AND ALL OTHER APPLICABLE CODES AND LAWS.
4. THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY ACQUAINTED WITH THE PROJECT PRIOR TO SUBMITTING A PRICE. ADDITIONAL MONEY WILL NOT BE GRANTED FOR WORK NOT CLARIFIED PRIOR TO BIDDING. SPECIFICATIONS OR FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
5. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS SPECIFICATIONS OR FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY WORK DAMAGED BY HIS FORCES WHILE PERFORMING THIS CONTRACT.
7. THE CONTRACTOR SHALL WARRANT HIS WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL COMPLETION.

1. ALL FOUNDATION FOOTINGS SHALL BE CARRIED DOWN TO A MINIMUM OF 4'-0" BELOW FINISH GRADE, OR DEEPER, IF NECESSARY, TO OBTAIN A SAFE SOIL BEARING PRESSURE OF 2 TONS PER SQUARE FOOT, FOUNDATION DESIGN IS BASED ON ASSUMED SOIL BEARING CAPACITY OF 2 TONS PER SQUARE FOOT.
2. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL; OR, ON ENGINEERED BANK RUN GRAVEL FILL MATERIAL WITH A MINIMUM DRY DENSITY OF 95%.
3. ALL FOOTING SHALL BE POURED IN THE DRY ONLY.
4. NO FOOTING SHALL BE POURED ON FROZEN GROUND.
5. THE MINIMUM REINFORCING FOR ALL FOUNDATION WALLS SHALL BE 2 #6 BARS AT THE TOP AND BOTTOM, CONTINUOUS; OR, AS SHOWN ON DRAWINGS.
6. LAP ALL BARS 40 DIAMETERS AND PROVIDE CORNER BARS.
7. ALL REINFORCEMENT: ASTM A615-60, WWP A185.

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
2. MAXIMUM SLUMP SHALL NOT EXCEED 3"; AND MAXIMUM; COARSE AGGREGATE SIZE SHALL NOT EXCEED 3/4" IN DIAMETER.
3. ALL CONCRETE SLABS SHALL BE POURED IN 900 SQUARE FOOT PANELS, MAXIMUM; OR, PROVIDE CONTROL JOINTS BY SAW CUTTING THE SLAB WHILE THE CONCRETE IS STILL GREEN.

1. ALL REINFORCEMENT, EXCEPT FOR TIES AND STIRRUPS, SHALL CONFORM TO ASTM 615-60.
2. ALL REINFORCEMENT FOR TIES AND STIRRUPS SHALL CONFORM TO ASTM 615-40.
3. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185-70 SPECIFICATIONS.
4. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT OF HIS ENGINEER PRIOR TO THE PLACEMENT OF ANY CONCRETE.
5. THE CONTRACTOR SHALL SUBMIT A REPRODUCIBLE SEPIA AND FOUR PRINTS OF SHOP DRAWINGS: SHOWING ALL REINFORCING DETAILS, CHAIR BARS, HIGH CHAIRS, SLAB BOLSTERS, ETC. TO THE ARCHITECT FOR HIS APPROVAL. THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVED SHOP DRAWINGS FROM THE ARCHITECT OR HIS ENGINEER PRIOR TO THE FABRICATION OF REINFORCEMENT.
6. CLEARANCES OF MAIN REINFORCING FROM ADJACENT CONCRETE SURFACES SHALL BE AS FOLLOWS:

A. FOOTINGS	3 INCHES
B. SIDES OF FOUNDATIONS WALLS. EXPOSED FACES OF FOUNDATIONS. SIDES OF COLUMNS/PIERS, SLABS ON GRADE FROM TOP SURFACE	2 INCHES
C. INTERIOR FACES OF FOUNDATIONS, TOP REINFORCING IN SLABS EXPOSED TO THE WEATHER	1-1/2 INCHES
D. TOP STEEL OF INTERIOR SLABS	1 INCHES
7. MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE 1/4" OF SECTIONS 10" OR LESS, 1/2" FOR SECTIONS GREATER THAN 10".	

A. CEMENT SHALL BE AN AMERICAN PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE II OR TYPE III FOR COLD WEATHER CONSTRUCTION (GRAY OR WHITE AS APPROPRIATE).

A. THE MORTAR USED TO TUCK POINT THE JOINTS SHALL CONSIST OF ONE PART PORTLAND CEMENT, ONE PART TYPE S HYDRATED LIME, AND SIX PARTS SAND, PROPORTIONED BY VOLUME.

A. A SECTION OF WALL SHALL BE POINTED FOR THE PURPOSE OF CHOOSING A DESIRED MORTAR COLOR, WHICH MATCHES THE EXISTING COLOR AND TO DEMONSTRATE THE SPECIFIED WORKMANSHIP, DEPTH, AND TOOLING OF THE JOINTS REQUIRED FOR USE ON THE JOB. CONTRACTOR SHALL CUT JOINTS AND LEAVE SECTION UNPOINTED UNTIL THE AUTHORITY CAN CHECK DEPTH OF CUT.

APPROVAL OF ONE, THE OTHERS SHALL BE BROUGHT UP TO COLOR CONFORMANCE BY BRUSH GROUTING.

A. CARBON AND DIRT SHALL BE REMOVED WITH DETERGENT AND STIFF BRUSHES, MOSS OR FUNGUS SHALL BE REMOVED WITH A SOLUTION OF BLEACH AND WATER.
B. ALL MORTAR THAT IS LOOSENED BY HAND TOOLS IS REQUIRED TO BE REMOVED.
C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL BRICKS MISSING, BROKEN, OR CRACKED AS PART OF THE CONTRACT WORK ON ALL BUILDING FACES DESIGNATED FOR POINTING. BRICKS REPLACED SHALL BE HARD-BURNED OF A TYPE AND SIZE TO MATCH EXISTING AS CLOSELY AS POSSIBLE.

REMOVE ALL LOOSE MATERIALS, AND CLEANED WITH A HIGH PRESSURE HOSE STREAM. IF THE OPEN JOINTS CANNOT RECEIVE MORTAR FOR ANY REASON WITHIN A TWELVE (12) HOUR PERIOD AFTER REMOVAL OF EXISTING MORTAR, OR INCLEMENT WEATHER IS FORECAST WHICH MAY CAUSE A DELAY IN COMPLETING THE REPOINTING IN ANY ONE OR SEVERAL AREAS, THE CONTRACTOR SHALL COVER THE OPEN JOINTS WITH POLYETHYLENE COVERING OR OTHER SUITABLE MATERIAL IN ORDER TO AVOID WATER PENETRATION INTO THE BUILDING AND POSSIBLE WATER DAMAGE. THE CONTRACTOR SHALL SECURE THE PROTECTIVE COVERING WITH TAPE OR OTHER ACCEPTABLE METHODS, AND MAINTAIN THE COVERING UNTIL THE WORK CAN CONTINUE UNDER FAVORABLE WEATHER CONDITIONS. CUT OUT MORTAR JOINTS SHALL REMAIN OPEN UNTIL INSPECTED BY THE ARCHITECT. EXISTING MORTAR NOT REMOVED THOROUGHLY AS REQUIRED SHALL BE REASON FOR REJECTION BY THE ARCHITECT.

A. TO AVOID SHRINKAGE AND IMPROVE WORKABILITY, POINTING MORTAR SHALL BE PRE-HYDRATED. THOROUGHLY MIX ALL MORTAR INGREDIENTS DRY. WHEN READY FOR USE, MIX INGREDIENTS AGAIN AND ADD ONLY ENOUGH WATER TO PRODUCE A DAMP WORKABLE MIX WHICH WILL RETAIN ITS FORM WHEN PRESSED INTO A BALL. THE MORTAR SHALL BE KEPT IN THIS MOIST CONDITION FOR ONE TO TWO HOURS, AND THEN SUFFICIENT WATER ADDED TO BRING IT TO THE PROPER CONSISTENCY; THAT IS, SOMEWHAT DRIER THAN CONVENTIONAL MASONRY MORTAR.

B. TO INSURE A GOOD BOND TO THE EXISTING MORTAR, BRICK AND STONEMWORK, WET THE EXISTING JOINTS THOROUGHLY BEFORE APPLYING FRESH MORTAR. THE JOINTS SHALL NOT RECEIVE MORTAR IF THERE IS EVIDENCE OF FREESTANDING WATER. IN SUCH CASES, ALLOW WATER TO SOAK INTO THE WALL. THE NEW MORTAR SHALL BE PACKED TIGHTLY IN 1/4" LAYERS UNTIL THE JOINT IS FILLED, THEN TOOLED TO A SMOOTH, CONCAVE SURFACE. NOTE CAREFULLY: FLUSH JOINTS WILL NOT BE ACCEPTABLE.

C. THE CONTRACTOR SHALL PROTECT EXISTING ROOFING, WINDOWS, DOORS, STONEMASONRY, FLASHING, CAULKING, TRIM AND OTHER MATERIALS DURING THE COURSE OF OPERATIONS. ALL DAMAGES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THEIR EXPENSE AND TO THE COMPLETE SATISFACTION OF THE ARCHITECT.

D. AFTER NEW MORTAR IS THOROUGHLY SET AND CURED, REMOVE LARGE PARTICLES OF MORTAR WITH WOOD PADDLES AND SCRAPERS PRIOR TO WETTING THE WALL. USE CHISELS OR WIRE BRUSHES AS NECESSARY WITH CARE TO PREVENT INJURY TO EXISTING BRICK AND STONEMWORK. THE WALL AREAS WHERE POINTING HAS TAKE PLACE SHALL BE CLEANED WITH WATER TO FLUSH OFF ALL LOOSE MORTAR AND DIRT. THESE AREAS SHALL THEN BE SCRUBBED DOWN WITH A SOLUTION OF ONE HALF CUP TRISODIUM PHOSPHATE AND ONE HALF CUP OF HOUSEHOLD DETERGENT DISSOLVED IN ONE GALLON OF CLEAN WATER.

A. THE CONTRACTOR SHALL GUARANTEE HIS WORK, LABOR, AND MATERIALS IN WRITING FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE BASE BID CONTRACT. SHOULD THE POINTED JOINTS EXECUTED UNDER THIS CONTRACT FAIL WITHIN THE GUARANTEED PERIOD AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL MAKE SUITABLE REPAIRS INCLUDING AN ADDITIONAL APPLICATION OF THE LIQUID REPELLENT COATING AT HIS OWN EXPENSE.

A. AT COMPLETION, REMOVE ALL EXCESS MATERIAL, DEBRIS, AND RUBBISH RESULTING FROM THE WORK OF THIS SECTION FROM THE JOB SITE. THE GROUNDS SHALL BE LEFT CLEAN.

1. Remove all grouting from cornice, sills, repoint all joints.
2. Pressure wash facade with "sureclean", by Waldo.
3. Repair areas as noted on drawings.
4. Tuck point entire masonry facade, caulk all exposed joints with sealant.
5. Caulk any exposed joints with a high performance, low modulus, multi-component, chemically cured polyurethane joint sealant conforming to Federal Specification TT-S-00227E, Class A, Type II and ASTM C920-79, Type M, Grade NS, Class 25 standards. Sealant shall be by Dymeric 511 as manufactured by Tremco or approved equal.

Lintels over openings in bearing walls shall be as follows; or as noted on drawings.

Span of opening: walls	8" walls			10"-12"		
less than 3'-0" 1/4	2 L'S	3 1/2 x 3	1 1/2 x 1/4	3L'S	3 1/2 x 3	1 1/2 x 1/4
up to 4'-0" 1/4	2 L'S	4 x	3 1/2 x 1/4	3L'S	4 x	3 1/2 x 1/4
up to 5'-0"	2L'S	5 x	3 1/2 x 1/4	3L'S	5 x	3 1/2 x 1/4
up to 6'-0"	2L'S	6 x	3 1/2 x 3/8	3L'S	6 x	3 1/2 x 3/8

1. ALL WORK SHALL CONFORM TO THE FOLLOWING STANDARDS, LATEST EDITIONS:

- (A) AMERICAN IRON AND STEEL INSTITUTE (A.I.S.I.). DESIGN OF COLD FORM STRUCTURAL STEEL.
- (B) AMERICAN INSTITUTE OF STEEL CONSTRUCTION. MANUAL OF STEEL CONSTRUCTION.
- (C) AMERICAN WELDING SOCIETY (A.W.S.), STRUCTURAL WELDING CODE-SHEET STEEL.
- (D) AMERICAN SOCIETY OF TESTING AND MATERIALS (A.S.T.M.).

2. THE MORE STRINGENT REQUIREMENTS SHALL GOVERN IN CONFLICTS BETWEEN SPECIFIED CODES AND STANDARDS.

1. ALL LUMBER SHALL HAVE A MOISTURE CONTENT OF NOT MORE THAN 19%.
2. ALL FRAMING LUMBER SHALL BE #2 HEM-FIR, OR BETTER, HAVING A MINIMUM: FB=1,200 PSI, FV=70 PSI, E=1,300,000 PSI.
3. ALL L.V.L. LUMBER DENOTED ON PLANS SHALL HAVE A MINIMUM: FB=2,600 PSI, FV=285 PSI, E=1,900,000 PSI.
4. ALL JOIST SPANS SHALL HAVE ONE ROW OF 1" X 3: CROSS BRIDGING AT MID SPAN AND NOT MORE THAN 8'-0" O.C.
5. ALL STUD BEARING WALLS SHALL HAVE ONE ROW OF 2X HORIZONTAL BLOCKING AT 1/2 STUD HEIGHT, AND NOT MORE THAN 6'-0" O.C. MAXIMUM.
6. PROVIDE AND INSTALL ALL NECESSARY TIMBER CONNECTORS WITH ADEQUATE STRENGTH.
7. PROVIDE DOUBLE JOIST BELOW PARTITIONS PARALLEL TO JOIST FRAMING.
8. PROVIDE SOLID BRIDGING BELOW PARTITIONS PERPENDICULAR TO JOIST FRAMING.
9. PROVIDE SOLID BRIDGING BETWEEN JOIST FRAMING MEMBERS WHEN BEARING ON STUD PARTITIONS OR BEAMS.
10. PROVIDE A CONTINUOUS BAND JOIST AT EXTERIOR STUD WALLS.
11. PROVIDE DIAGONAL METAL STRAP BRACING AT ALL CORNERS AND WALL INTERSECTIONS, AT THE INSIDE FACE OF STUDS, FROM TOP PLATE TO FLOOR PLATE AT 45°. SIMPSON TYPE "CWB", OR EQUAL.
12. ALL BUILT-UP BEAMS SHALL BE BOLTED WITH 1/2" DIAMETER BOLTS, MEETING A307 STANDARDS, OR, AS NOTED ON DRAWINGS.

Lintels over openings in bearing walls shall be as follows; or as noted on drawings.

Span of opening:	Size: 2x6 studs	Size: 2x4 studs
less than 4'-0"	3 - 2x4	2 - 2x4
up to 6'-0"	3 - 2x6	2 - 2x6
up to 8'-0"	3 - 2x8	2 - 2x8
up to 10'-0"	3 - 2x10	2 - 2x10

2010 OCT 28 P 2: 17
PROPOSED COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA
CLERK'S OFFICE
SOMERVILLE, MA



No.	Revision Date
	08-18-2010














Project No:	10063
Scale:	AS NOTED
Date:	04-30-2010
Drawn By:	SL

COVER SHEET

Sheet No.

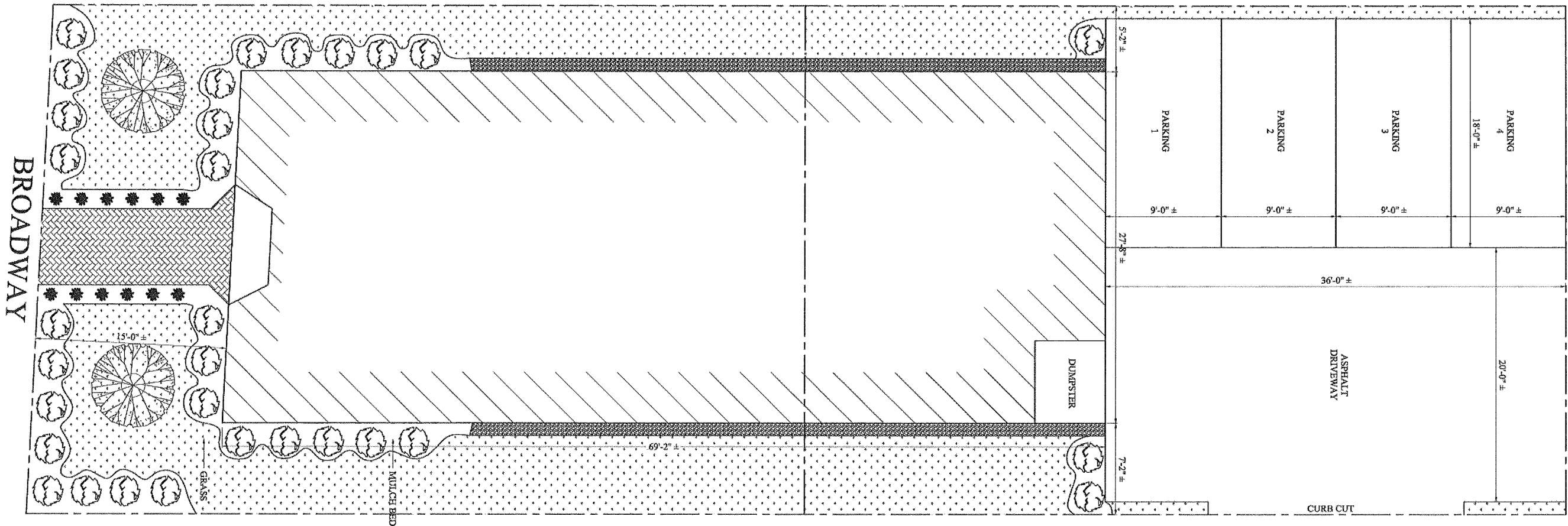
NEW TYPE 5A CONSTRUCTION
1 STORY
B USE GROUP
FULLY SPRINKLED
FULLY ALARMED
ZONE RC

KEY

	SMOKE DETECTOR
	HEAT DETECTOR
	CARBON MONOXIDE DETECTOR
	EMERGENCY LIGHT
	HORN/ STROBE/ PULL STATION
	HORN/ STROBE
	1 HOUR WALL(SEE W.T.1/A-3.1)
	FAN
	45 MIN. DOOR
	FIRE ALARM CONTROL PANEL
	WINDOW TYPE
	2 HOUR CLG. ABOVE (SEE C.T.1/A-3.1)
	FIRE EXTINGUISHER

2010 OCT 28 P 2:18

CITY CLERK'S OFFICE
SOMERVILLE, MA



1 PROPOSED ARCHITECTURAL SITE PLAN
1/4"=1'-0"

PROP. COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA

Location
Chop & Company, Inc.
One Billings Road Quincy, MA 02171
617-786-7727 fax 617-786-7715

No.

Revision Date

08-18-2010

Project No. 10063
Scale: AS NOTED
Date: 04-15-2010
Drawn By: SL

Drawing Name

PROPOSED
PLANS

Sheet No.

A-1.0

CITY CLERK'S OFFICE
WATERVILLE, MA

PROPOSED BASEMENT PLAN

67'-9" ±

9'-3" ±

5'-5" ±

25'-6" ±

27'-8" ±

6'-6" ±

63'-8" ±

69'-2" ±

5'-6" ±

21'-2" ±

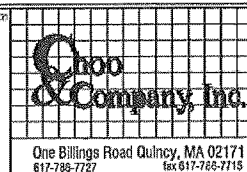
27'-8" ±

UP

BASEMENT

[illegible]

PROP. COMMERCIAL BUILDING¹
272 BROADWAY
SOMERVILLE, MA

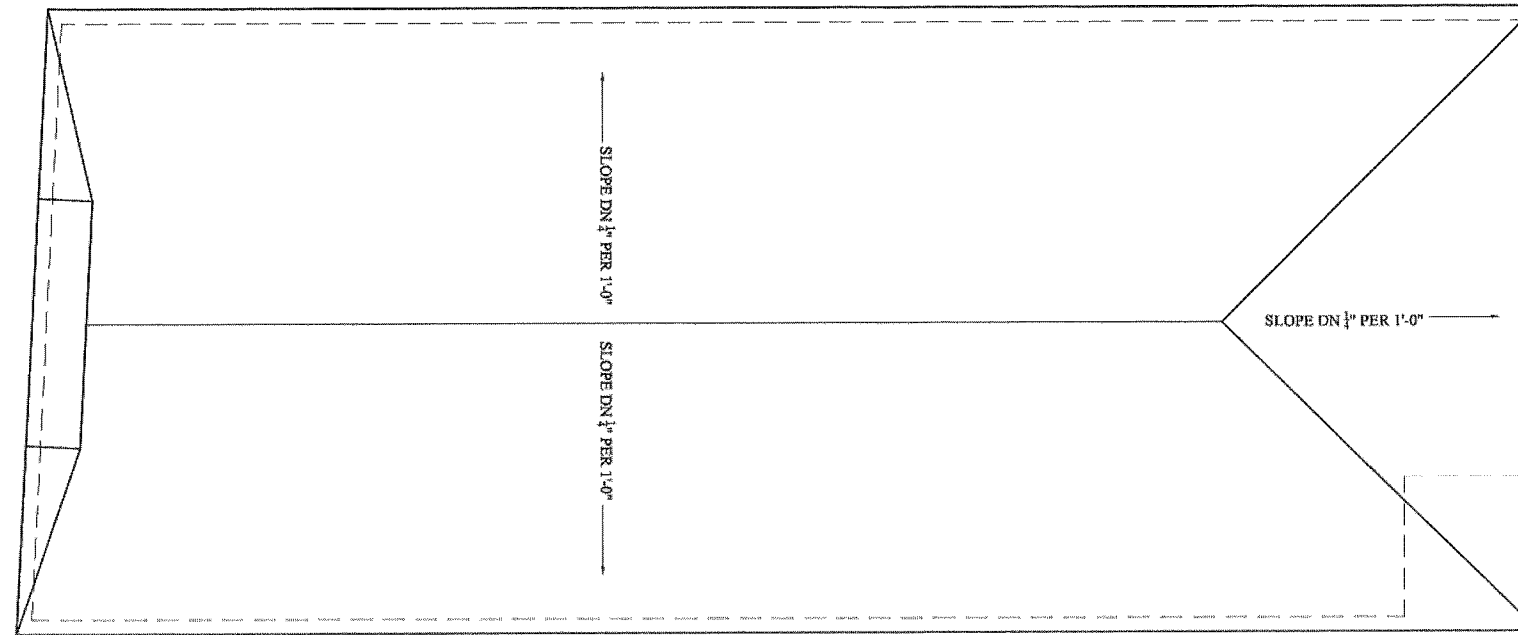


No.	Revision Date	Project No: 10063 Scale: AS NOTED Date: 04-15-2010 Drawn By: SL	Drawing Name: PROPOSED PLANS	Sheet No. A-1.1
	08-18-2010			

2010 OCT 28 P 2: 18

CITY CLERK'S OFFICE
SOMERVILLE, MA

BROADWAY



1 PROPOSED ROOF PLAN
1/4\"/>

KENNESON ROAD

PROP. COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA

Location



No.

Revision Date

08-18-2010

Project No: 10063
Scale: AS NOTED
Date: 04-15-2010
Drawn By: SL

Drawing Name

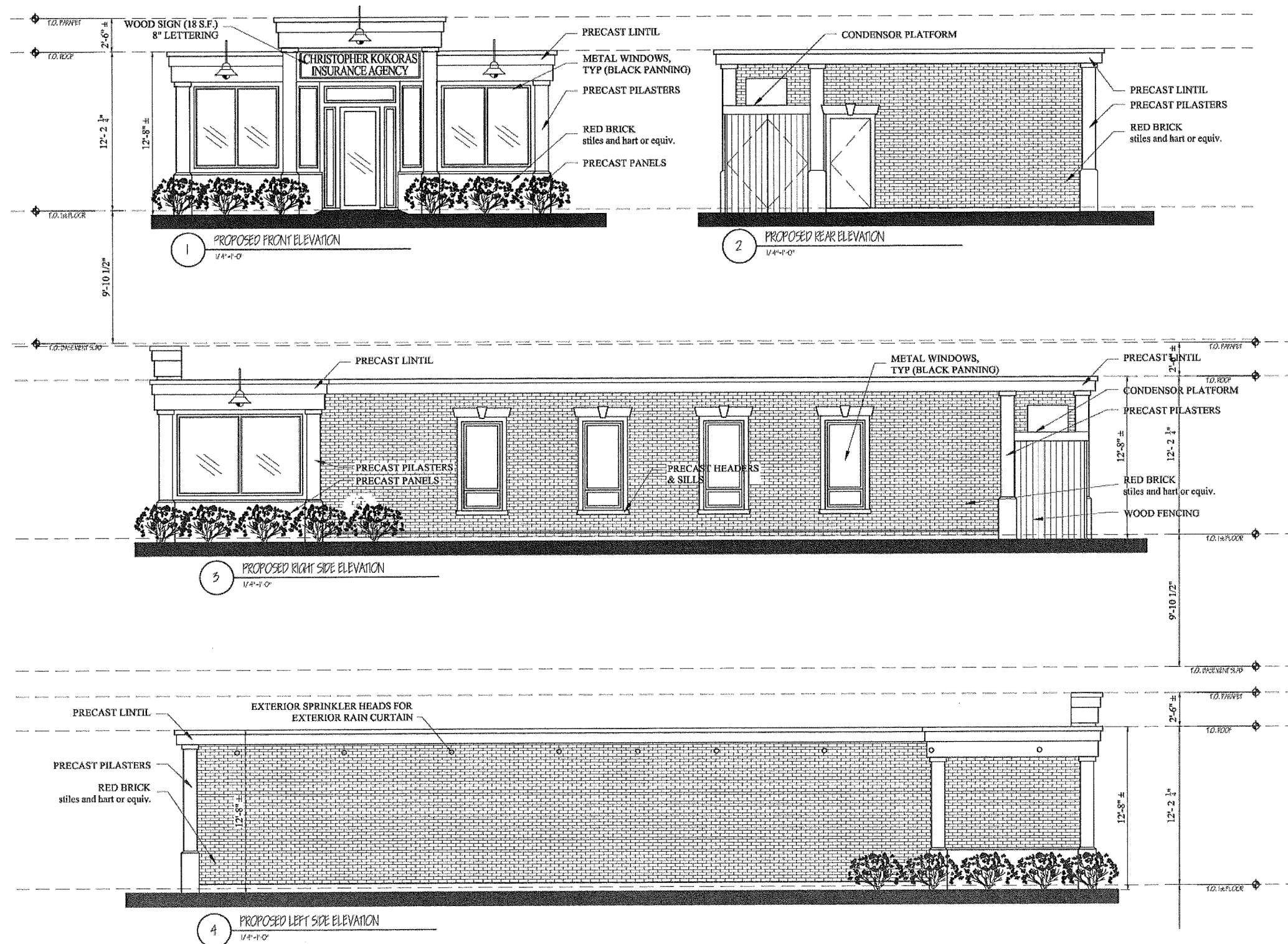
PROPOSED
PLANS

Sheet No.

A-1.2

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SOMERVILLE, MA



PROP. COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA

Choo & Company, Inc.
One Billings Road Quincy, MA 02171
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No.	Revision Date
	04-21-2010
	05-20-2010
	08-18-2010

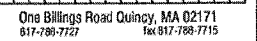
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Date: 04-15-2010
Drawn By: SL

Proposed Name
PROPOSED
PLANS

Sheet No.
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SOMERVILLE, MA

PROPOSED COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA



Project No: 10063
Scale: AS NOTED
Date: 04-30-2010
Drawn By: SL

DETAIL
SHEET

A-3.1

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- NATIONAL GYPSUM CO — Type Form Case

- Abstract**

- SPRINGFIELD, AS — 4

- SPRINKLER AS PER ENGINEER. CORRUGATED TIES @ 2'-

- BRICK VENEER

- 5" EXT. GYP BOARD (2) 5" GYP BOARD (type x)

- 2X6 @ 16" O.C. STUD WALL

-
- 1" SHEATHING** **FIRE BLOCKED**

- 2009 RELEASE UNDER E.O. 14176

- 2 HOUR EXTERIOR WALL U 0.07

- $\mathcal{L}AS: \mathcal{D}^1 = 1 \cdot 0^1$

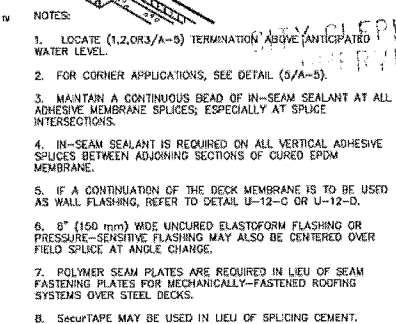
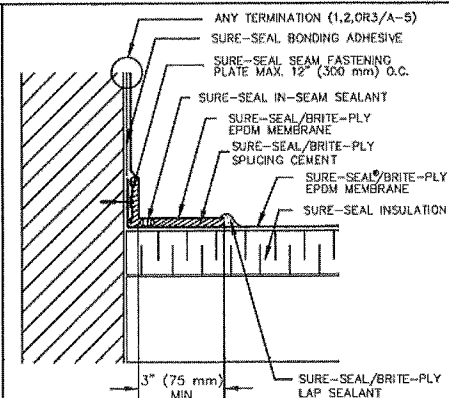
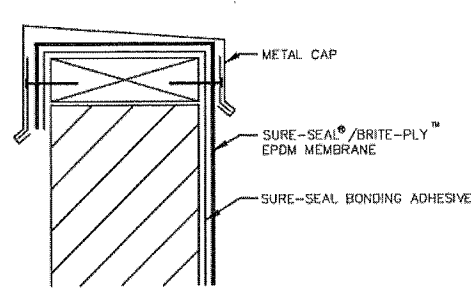
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2	2 HOUR CEILING UL 556
	SCALE: 5'-0" = 1'-0"

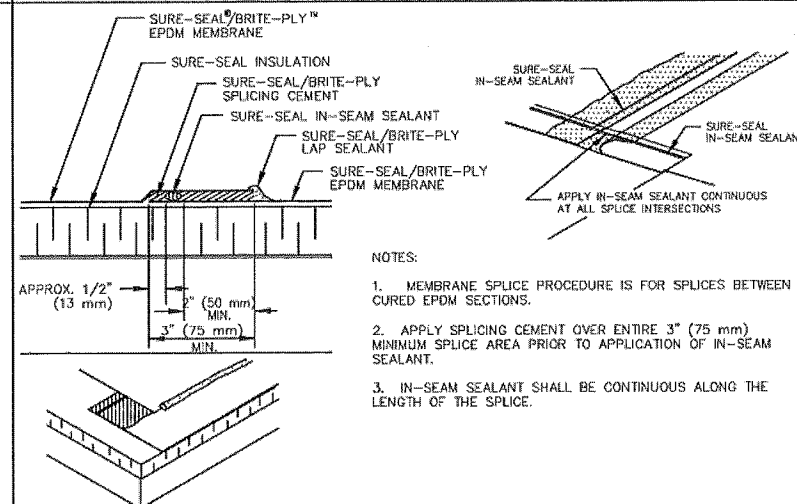
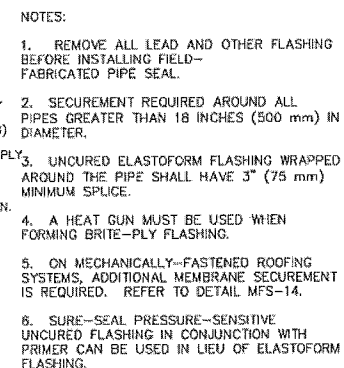
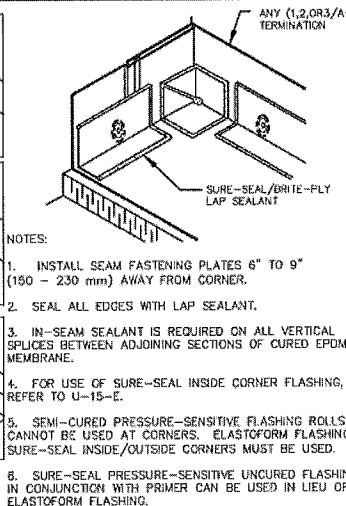
0	TYPICAL PARTITION - WOOD STUD
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2E	2 HOUR EXTERIOR WALL U. 371
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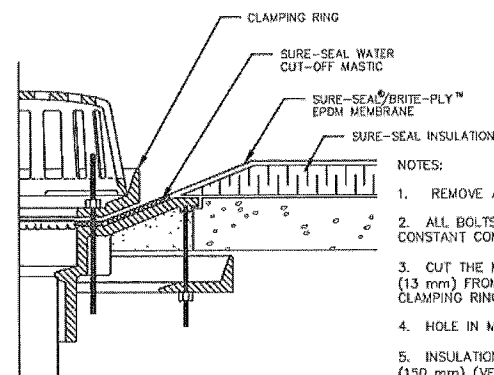
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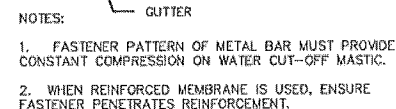
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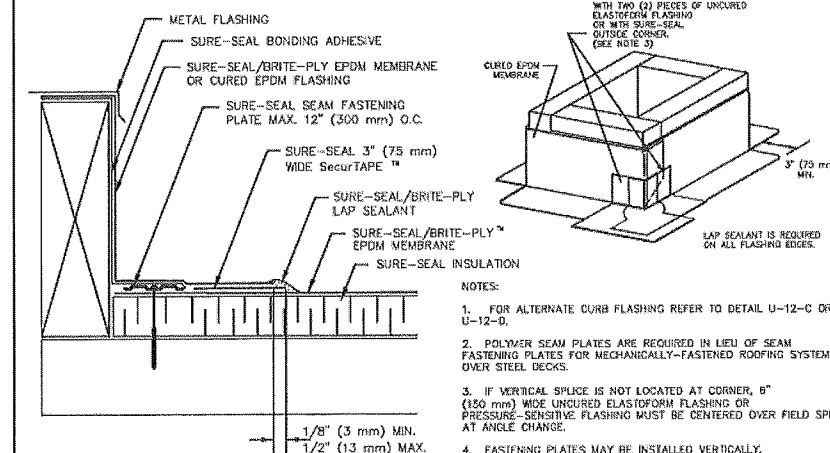


NOTES:

1. REMOVE ALL LEAD AND OTHER FLASHING.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF 1/2" (13 mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
4. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
5. INSULATION TAPER SHALL NOT BE STEEPER THAN 6" (150 mm) (VERTICAL) IN 12" (300 mm) (HORIZONTAL).
6. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH LOCAL CODES.



6



NOTES:

1. FOR ALTERNATE CURB FLASHING REFER TO DETAIL U-12-C OR U-12-D.
2. POLYMER SEAM PLATES ARE REQUIRED IN LIEU OF SEAM FASTENING PLATES FOR MECHANICALLY-FASTENED ROOFING SYSTEMS OVER STEEL DECK.
3. IF VERTICAL SPlice IS NOT LOCATED AT CORNER, 6" (150 mm) WIDE UNCURED ELASTOFORM FLASHING OR PRESSURE-SENSITIVE FLASHING MUST BE CENTERED OVER FIELD SPlice AT ANGLE CHANGE.
4. FASTENING PRIMERS MAY BE INSTALLED VERTICALLY.
5. APPLY PRIMER PRIOR TO INSTALLING SecurTAPE.
6. SPLICING CEMENT MAY BE USED IN LIEU OF SecurTAPE.

1

PROPOSED COMMERCIAL BUILDING
2272 BROADWAY
SOMERVILLE, MA

Shoo & Company, Inc.
One Billings Road Quincy, MA 02171
817-788-7727 fax 817-788-7727

No.	Revision Date

Project No: 10063
Scale: AS NOTED
Date: 04-30-2010
Drawn By: SL

Drawing Name

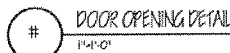
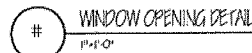
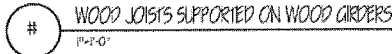
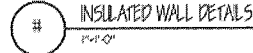
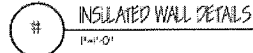
**DETAIL
SHEET**

Street No.

A-3.3

RECOMMENDED FASTENING SCHEDULE		
BUILDING ELEMENT	NAIL SIZE AND TYPE	NUMBER AND LOCATION
SHD TO SOLE PLATE	8D COMMON 16D COMMON	4 10D-NAIL OR 2 DIRECT-NAIL
SHD TO CAP PLATE	16D COMMON	2 10D-NAIL OR 2 DIRECT-NAIL
DOUBLE SIDES	10D COMMON	12" O.C. DIRECT
CORNER SIDES	16D COMMON	24" O.C. DIRECT
SOLE PLATE TO JOIST OR BLOCKING	16D COMMON	16" O.C.
DOUBLE CAP PLATE	10D COMMON	16" O.C. DIRECT
CHL PLUG LAPS	10D COMMON	2 DIRECT-NAIL
RYBBIN SHIP, 6" OR LESS	10D COMMON	2 EACH DIRECT BEARING
RYBBIN SHIP, 6" OR MORE	10D COMMON	5 EACH DIRECT BEARING
120° BAYER TO PLATE	8D COMMON	5 10D-NAIL
JACK BAYER TO RICE	16D COMMON	2 10D-NAIL OR DIRECT-NAIL
JACK BAYER TO HP	10D COMMON 16D COMMON	5 10D-NAIL OR 2 DIRECT-NAIL
FLOOR JOISTS TO SHEDS (AND CEILING JOISTS)	10D COMMON 10D COMMON	9 DIRECT OR 9 DIRECT
FLOOR JOISTS TO SHEDS (WITH CEILING JOISTS)	10D COMMON	9 DIRECT
FLOOR JOISTS TO SILL OR GROSS	5D COMMON	5 10D-NAIL
LEADER SHIP	16D COMMON	5 EACH DIRECT
CEILING JOISTS TO PLATE	16D COMMON	5 10D-NAIL
CEILING JOISTS (CLAYS OVER PERIMETER)	10D COMMON	9 DIRECT-NAIL
CEILING JOISTS (PARALLEL TO RYBBIN)	10D COMMON	9 DIRECT
COLLAR BEAM	10D COMMON	9 DIRECT
BRASSING TO JOISTS	8D COMMON	2 EACH DIRECT END
DIAGONAL BRACE (TO SHD AND PLATE)	8D COMMON	2 EACH DIRECT BEARING
RAIL BEAMS TO HEADERS (WHEN NAILING PERMITTED)	20D COMMON	1 EACH END 4 SQ. FT. FLOOR AREA
HEADER BEAMS TO RIVBINS	20D COMMON	1 EACH END 8 SQ. FT. FLOOR AREA
1" RAIL PECKING COVER 6" IN WIDTH	8D COMMON 8D COMMON	2 EACH DIRECT RYBBIN 5 EACH DIRECT RYBBIN
1" SHIPLOCKING (6" OR LESS)	8D COMMON	2 EACH DIRECT JOIST
1" SHIPLOCKING (6" OR MORE)	8D COMMON	5 EACH DIRECT JOIST
2" SHIPLOCKING	16D COMMON	2 EACH DIRECT JOIST
1" WALL SHEATHING (6" OR LESS IN WIDTH)	8D COMMON	2 EACH DIRECT SHD
1" WALL SHEATHING (COVER 6" IN WIDTH)	8D COMMON	5 EACH DIRECT SHD
PLYWOOD ROOF & WALL SHEATHING (3/8" OR GREATER) (9/16", 5/8", OR 1/2") COVER 6" IN WIDTH	8D COMMON 8D COMMON 16 GAUGE GALVANIZED WIRE STAPLES, 3/8" MINIMUM ORIGINAL LENGTH EXCEPT PLUS PLYWOOD THICKNESS SHALL BE INTERMEDIATE	6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE 6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE 4" O.C. EDGES & 8" O.C. INTERMEDIATE 2 1/2" O.C. EDGES & 8" O.C. INTERMEDIATE
PLYWOOD SHIPLOCKING (3/8") (5/8", 3/4") (1", 1 1/8") (1/2") (5/8")	6D COMMON OR 6D ANNULAR OR SPIRAL SHIP 8D COMMON OR 6D ANNULAR OR SPIRAL SHIP 10D COMMON OR 6D RING ANNULAR OR 6D ANNULAR OR SPIRAL SHIP 16D GALVANIZED WIRE STAPLES 3/8" MINIMUM ORIGINAL 1 1/8" LENGTH	6" O.C. DIRECT EDGES & 10" O.C. INTERMEDIATE 6" O.C. DIRECT EDGES & 10" O.C. INTERMEDIATE 6" O.C. DIRECT EDGES & 6" O.C. INTERMEDIATE 4" O.C. EDGES & 7" O.C. INTERMEDIATE 2 1/2" O.C. EDGES & 4" O.C. INTERMEDIATE
BUILT-UP GROSS AND BEAMS	20D COMMON	92" O.C. DIRECT
CONTINUOUS HEADER TO SHD	8D COMMON	4 10D-NAIL
CONTINUOUS HEADER TWO PEGS	16D COMMON	16" O.C. DIRECT
1/2" FLOOR BOARD SHEATHING	1 1/2" GALVANIZED ROOFING NAIL OR 6 GAUGE STAPLE, 1 1/2" LONG MINIMUM CROWN OF 7/16"	3" O.C. EXTERIOR EDGE 6" O.C. INTERMEDIATE
25/32" FLOOR BOARD SHEATHING	1 3/4" GALVANIZED ROOFING NAIL OR 6D COMMON NAIL OR 6 GAUGE STAPLE, 1 1/2" LONG WITH MIN. CROWN OF 7/16"	3" O.C. EXTERIOR EDGE 6" O.C. INTERMEDIATE
OSB SHEATHING	12 GAUGE 1 3/4" LONG RING CORROSION-RESISTANT	4" O.C. EDGE 8" O.C. INTERMEDIATE
PARTICLE BOARD UNDERLAYMENT (1/4"-3/4")	6D ANNULAR WREATH	6" O.C. DIRECT EDGES 10" O.C. INTERMEDIATE
PARTICLE BOARD ROOF AND WALL SHEATHING 1/2" OR LESS	8D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
5/8" OR GREATER	8D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
PARTICLE BOARD SHIPLOCKING (5/8" OR GREATER)	8D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
WEATHER WRAP*	NO. 14 PLS GAGE CORROSION RESISTANT	2 EACH BEARING
WEATHER COVERING	8D CORROSION	2 EACH BEARING

NOTE: * SINGLE NAILS SHALL PENETRATE NOT LESS THAN 3/4" INTO NAILING STRIPS, SHEATHING OR SUPPORTING CONSTRUCTION EXCEPT AS OTHERWISE PROVIDED IN TBDC CODE 1225 A.A.



NUMBER OF MEMBERS		MAXIMUM UNIFORM SIDE LOAD (PLF)								
		NAILED		1/2" DIA THROUGH BOLT @			5/8" DIA THROUGH BOLT @			
		2 ROWS 16d SINKERS @ 12" O.C.	3 ROWS 16d SINKERS @ 12" O.C.	2 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 12" O.C. STAGGERED	2 ROWS @ 6" O.C. STAGGERED	3 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 12" O.C. STAGGERED	2 ROWS @ 6" O.C. STAGGERED	
1-3/4" VERSA-LAM (DEPTH OF 16" AND LESS)										
2	470	705	505	1010	2020	560	1120	2020		
3 @	550	525	375	755	1515	420	840	1665		
4 @	LEE BOLT SCHEDULE		335	670	1345	370	745	1495		
3-1/2" VERSA-LAM										
2 @	LEE BOLT SCHEDULE		895	1715	N/A	1125	2250	N/A		
1-3/4" VERSA-LAM (DEPTH OF 24")										
NUMBER OF MEMBERS		NAILED			1/2" DIA THROUGH BOLT @			5/8" DIA THROUGH BOLT @		
		3 ROWS 16d SINKERS @ 12" O.C.	4 ROWS 16d SINKERS @ 12" O.C.	3 ROWS @ 24" O.C. 8" STAGGERED	3 ROWS @ 18" O.C. 6" STAGGERED	3 ROWS @ 12" O.C. 6" STAGGERED	3 ROWS @ 24" O.C. 8" STAGGERED	3 ROWS @ 18" O.C. 6" STAGGERED	3 ROWS @ 12" O.C. 4" STAGGERED	
2	705	940	755	1010	1515	840	1120	1665		
3 @	925	705	565	755	1155	630	840	1260		
4 @	LEE BOLT SCHEDULE		505	670	1010	560	745	1120		

1. DESIGN VALUES APPLY TO DIMENSIONS THAT CONFORM TO ANY OF THE FOLLOWING DIMENSIONS: DIMENSIONS OF THE CASTING AND DIMENSIONS OF THE JOINTS, OR 2, OR MORE. A NUMBER LOCATED AFTER A DIMENSION OR NUMBER SHALL BE BETWEEN THE WORDS "AND" AND "OR" IF THE DIMENSION AND OR BETWEEN THE WORDS "AND" AND "THE" IF THE DIMENSION IS FROM THE EDGE OF THE DRUM TO THE DIMENSIONS LISTED AS AT LEAST 2" FOR 1/2" BOLTS AND 2 1/2" FOR 5/8" BOLTS. DIMENSIONS SHALL BE THE SAME UNLESS NOTED BY THE NOTE.
2. THE VALVE SHALL BE 3/4" APPLIED TO DIMENSIONS OF A 3/4" NUT SIZE.
3. THE VALVE DIMENSIONS SHALL BE COMPLIANT WITH DIMENSIONS FROM THE SERIES CLASSIFIED BY THE VALVE NUMBER 25A OR OF THE SAME SIZE.

2:08
OFFICE
PROPOSED COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA

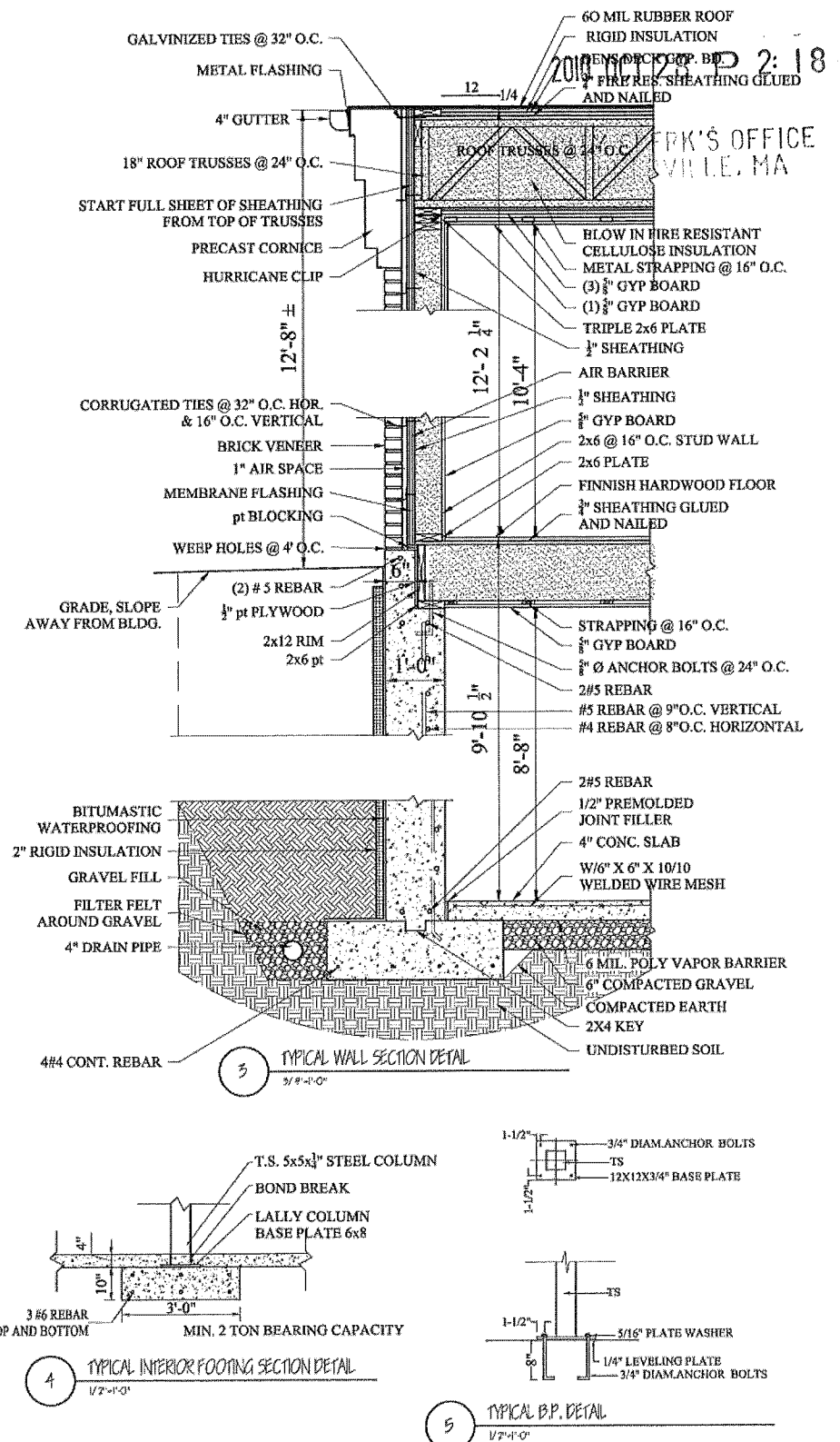
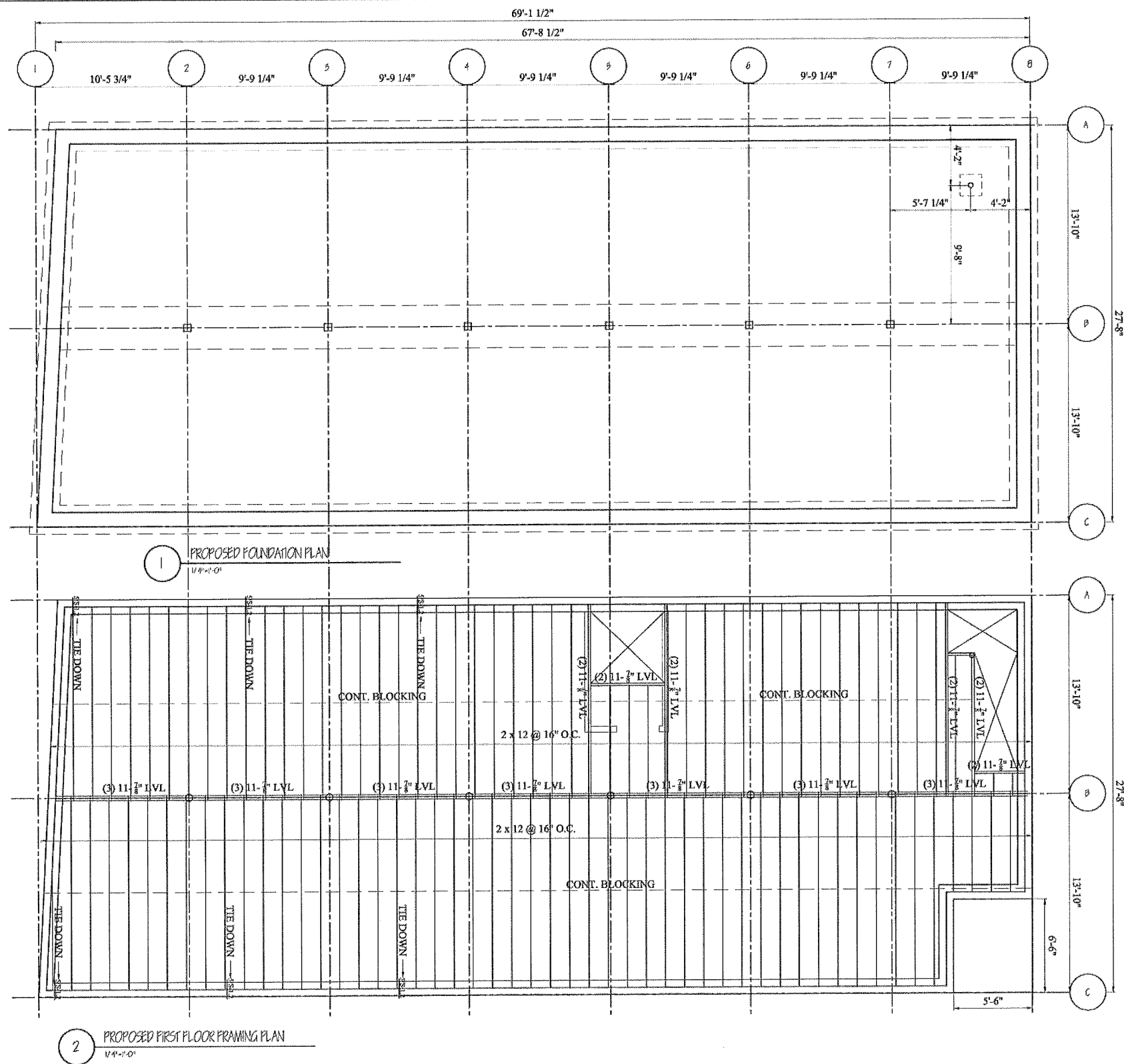
One Billings Road Quincy, MA 02171
617-788-7727 FAX 617-788-7715

[illegible]

Project No: 10063
Scale: AS NOTED
Date: 04-30-2010
Drawn By: SL

DETAIL
SHEET

Sheet No. A-3.2



PROP. COMMERCIAL BUILDING
272 BROADWAY
SOMERVILLE, MA

Choo & Company, Inc.
One Billings Road Quincy, MA 02171
617-786-7727 fax 617-786-7715

Revision Date
05-20-2010
08-18-2010

Project No. 10063
Scale: AS NOTED
Date: 04-15-2010
Drawn By: SL

Drawing Name
PROPOSED
PLANS

Sheet No.
S-1.1

EXISTING LEGEND

SS	SEWER LINE
⊙	SEWER MANHOLE
W	WATER LINE
==	DRAIN LINE
⊙	UTILITY POLE
SV	GAS VALVE
OHE	OVERHEAD ELECTRIC SERVICE
WV	WATER VALVE
□	CATCH BASIN
○	FENCE
-143-	CONTOUR LINE (MJR)
-144-	CONTOUR LINE (MNR)
103.97	SPOT GRADE
⊙	DRAIN MANHOLE
⊗	HYDRANT
⊗	TREE

*PLEASE NOTE: CITY OF SOMERVILLE ENGINEERING DEPARTMENT MUST BE NOTIFIED ONCE THE PROPOSED INFILTRATION SYSTEM HAS BEEN INSTALLED AND PRIOR TO BACKFILL. REPRESENTATIVE FROM CITY OF SOMERVILLE ENGINEERING DEPARTMENT WILL VISIT PROJECT TO REVIEW THE SYSTEM.

*PLEASE NOTE: ALL PROPOSED RAIN LEADERS FOR PROPOSED BUILDING WILL BE TIED INTO/CONNECTED TO INFILTRATION SYSTEM (TYP.)

*PLEASE NOTE: PARKING LOT CAN BE EXITED BY MAKING THREE POINT TURN AND DOES NOT REQUIRE BACKING OUT ONTO KENNESON ROAD

PROPOSED ROOF LEADERS & 4" PVC ROOF DRAINAGE COLLECTION PIPE TO BE CONSTRUCTED ON PERIMETER OF PROPOSED BUILDING (TYP.)

*DUE TO DECREASE IN IMPERVIOUS SURFACE ON THE SITE, PROPOSED DRAINAGE SYSTEM & RECHARGE/DETENTION SYSTEMS WILL EXCEED BOTH DEP & CITY OF SOMERVILLE STORM WATER GUIDELINES.

NOTES

1. THE CONTRACTOR SHALL REPORT TO THE OWNER AND ENGINEER OF ANY SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS FROM THOSE SHOWN ON THESE PLANS. ANY PROPOSED REVISIONS TO THE WORK, IF REQUIRED BY THESE SITE CONDITIONS, SHALL NOT BE UNDERTAKEN UNTIL REVIEWED AND APPROVED.
2. THE CONTRACTOR NEEDS TO NOTIFY THE ENGINEERING DIVISION 48-HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE SEWER SYSTEM INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM
3. IN ORDER TO PROTECT THE PUBLIC SAFETY DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING AT ALL TIMES ALL NECESSARY SAFETY DEVICES AND PERSONNEL, WARNING LIGHTS,
4. ALL WORK SHALL CONFORM TO CITY OF SOMERVILLE GENERAL
5. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTITUTE EROSION CONTROL MEASURES ON AN AS NECESSARY BASIS, SUCH THAT
7. THE LOCATION OF UNDERGROUND UTILITIES AS REPRESENTED ON THESE PLANS IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES OR MUNICIPAL DEPARTMENTS SUPPLEMENTED BY FIELD IDENTIFICATION WHEREVER POSSIBLE. NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. THE CONTRACTOR SHALL CONTRACT DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. DIG SAFE TELEPHONE NUMBER IS
8. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
9. PAVEMENT AREA SHALL BE PAVED TO A THICKNESS AS SHOWN ON THE PLANS MEASURED AFTER COMPACTION, WITH A BINDER COURSE AND TOP COURSE OF CLASS I BITUMINOUS CONCRETE PAVEMENT, TYPE I-1.
10. THE AGGREGATE SHALL BE COMPOSED, MIXED AND LAID HOT IN TWO COURSES AS SPECIFIED IN THE "COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", 1988 EDITION, SECTION 460 FOR CLASS I BITUMINOUS CONCRETE PAVEMENT, AS SPECIFICALLY SET FORTH IN
11. ALL AREAS TO BE PLANTED WITH GRASS SHALL BE TREATED WITH 100 POUNDS OF GROUND LIMESTONE PER 1000 SF OF AREA PLANTED. ALL AREAS TO BE PLANTED WITH GRASS SHALL BE FERTILIZED WITH 10-10-10 AT THE RATE OF 1,000 POUNDS PER ACRE OR AS REQUIRED BY SOIL TEST. 40 OF THE NITROGEN SHALL BE IN ORGANIC FORM.
12. ALL LANDSCAPED AREAS TO BE LOAMED AND SEEDED SHALL HAVE THE PERENNIAL RYE 25% KENTUCKY BLUE 25% CREEPING RED FESCUE OR PENNLAWN FESCUE 50% SEED AT THE RATE OF 5#/1000 SF
13. ALL AREAS INDICATED TO BE LOAMED AND SEEDED SHALL HAVE A MINIMUM OF 4" INCHES OF TOPSOIL SPREAD EVENLY THROUGHOUT. PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO PROVIDE SLOPE STABILITY UNTIL VEGETATION IS ESTABLISHED.
14. ALL EXISTING PAVING TO BE DISTURBED SHALL BE CUT ALONG A STRAIGHT LINE THROUGH ITS ENTIRE THICKNESS. BUTT THE NEW PAVING INTO THE EXISTING PAVEMENT TO REMAIN.
15. DATUM IS CITY OF SOMERVILLE BASE
16. PRIOR TO OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLAN SHOULD BE SUBMITTED TO THE ENGINEERING DEPARTMENT IN BOTH DIGITAL FORMAT AND IN HARD COPY. THE PLAN SHOULD SHOW ALL UTILITIES AND EASEMENTS & FINAL GRADING.
17. IF A CERTIFICATE OF OCCUPANCY IS REQUESTED PRIOR TO ALL SITE WORK BEING COMPLETED, THE APPLICANT WILL BE REQUIRED TO POST A CERTIFIED BANK CHECK IN THE AMOUNT TO COVER THE REMAINING WORK. THE CITY ENGINEER SHALL DETERMINE THE VALUE OF THE UNCOMPLETED WORK.
18. NO EXCAVATION IS ALLOWED WITHIN ANY CITY RIGHT-OF-WAY BETWEEN NOVEMBER 15TH AND APRIL 15TH. IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY SEEK PERMISSION FOR SUCH WORK FROM THE CITY ENGINEER. IF PERMISSION IS GRANTED, SPECIAL CONSTRUCTION STANDARDS WILL BE APPLIED. APPLICANT OR APPLICANT'S REPRESENTATIVE MUST CONTACT THE CITY OF SOMERVILLE ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
19. THE EXISTING SEWER SERVICES SHALL BE CUT AND CAPPED AT THE MAIN AND BE COMPLETELY REMOVED FROM THE SITE AND PROPERLY BACK FILLED. THE ENGINEERING DIVISION MUST INSPECT THIS WORK; FAILURE TO HAVING THIS WORK INSPECTED MAY RESULT IN THE DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
20. THE APPLICANT WILL HAVE TO APPLY FOR A STREET OPENING & UTILITY CONNECTIONS PERMITS AS WELL AS A SIDEWALK CROSSING PERMIT WITH THE D.P.W.
21. THE PROPOSED SEWER LINE WILL NEED TO BE PRESSURE TESTED PRIOR TO ACCEPTANCE.
22. WITH THE EXCEPTION OF GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF SOMERVILLE RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE I.E (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF SOMERVILLE ENGINEERING SPECIFICATIONS.
23. APPROVAL OF THIS PLAN BY THE CITY OF SOMERVILLE ENGINEERING DIVISION IMPLIES THAT THE PLAN MEETS THE MINIMAL DESIGN STANDARDS OF THE CITY OF SOMERVILLE. HOWEVER, THE ENGINEERING DIVISION MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY FOR THE DESIGN(S) IN TERMS OF SUITABILITY FOR THE PARTICULAR SITE CONDITIONS OR OF THE FUNCTIONABILITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGN(S). THE CITY OF SOMERVILLE ASSUMES NO LIABILITIES FOR DESIGN ASSUMPTION, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.

NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY SLANEYSIDE LAND SURVEYORS ON 09-05-10.
2. DEED REFERENCE BOOK 52421, PAGE 350 MIDDLESEX SOUTH REGISTRY OF DEEDS.
3. THIS PLAN IS NOT INTENDED TO BE RECORDED.
4. ELEVATIONS SHOWN ARE CITY OF SOMERVILLE DATUM.

DESCRIPTION OF PROPOSED TREES/PLANTS

*PLEASE SEE ACCOMPANYING PLAN A-1.0 FOR EXACT TREE LOCATIONS

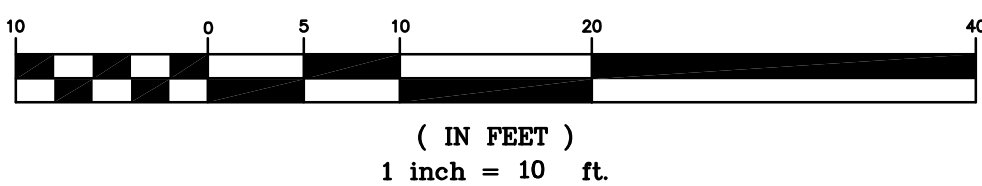
1. BLUE MAID HOLLY (6) 2 FT
2. BLUE PRINCE HOLLY (5) 2 FT
3. LACE LEAF RED MAPLE (2) 2.5 FT
4. BOXWOOD HEDGE (12) 2 FT
5. DWARF BOXWOOD HEDGE (12) 1 FT
6. UPRIGHT YEW HEDGE (17) 3 FT

272 BROADWAY
SOMERVILLE, MA

SCALE: 1' = 10'
DATE: 09/09/10

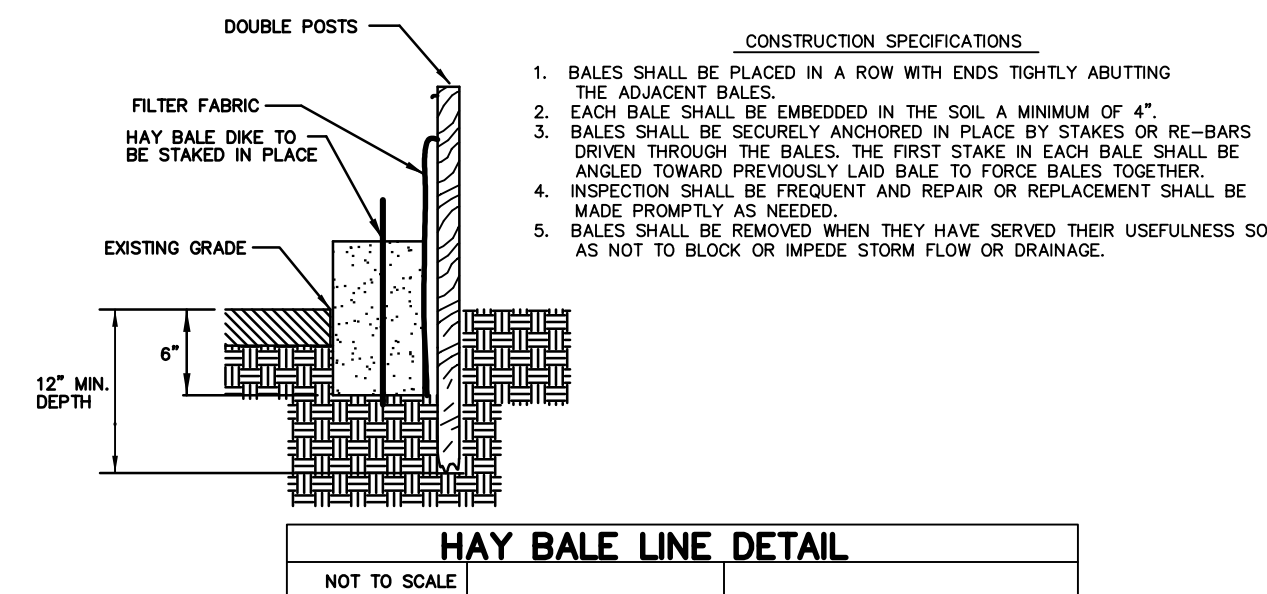
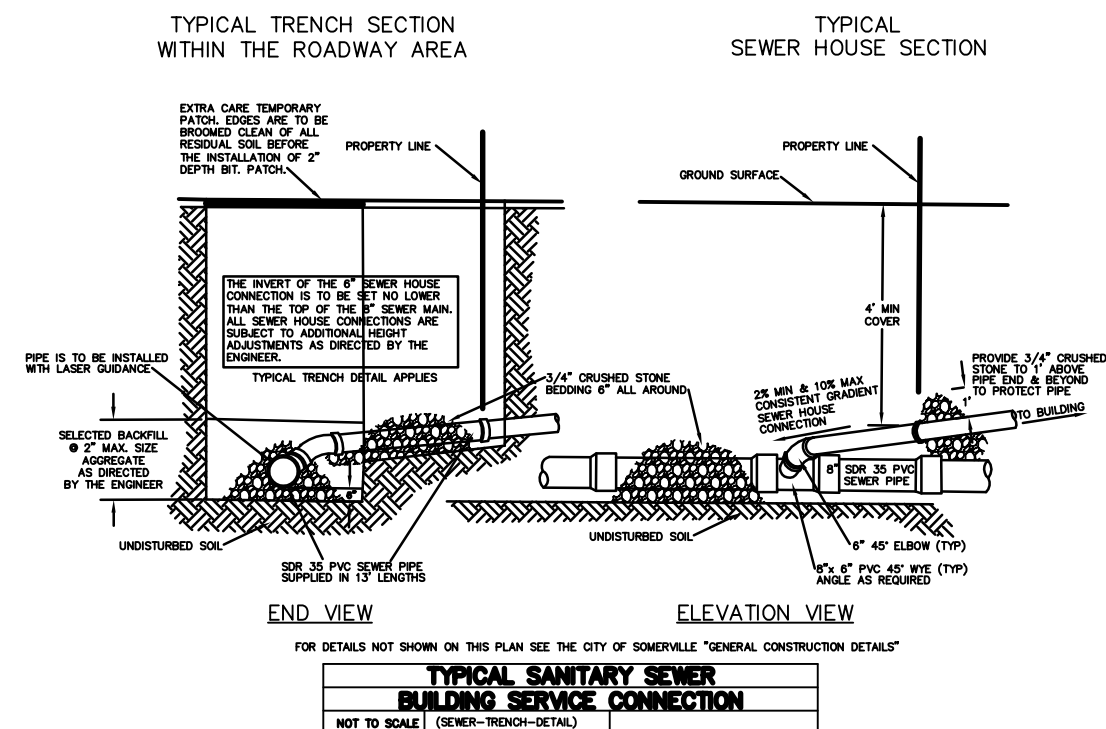
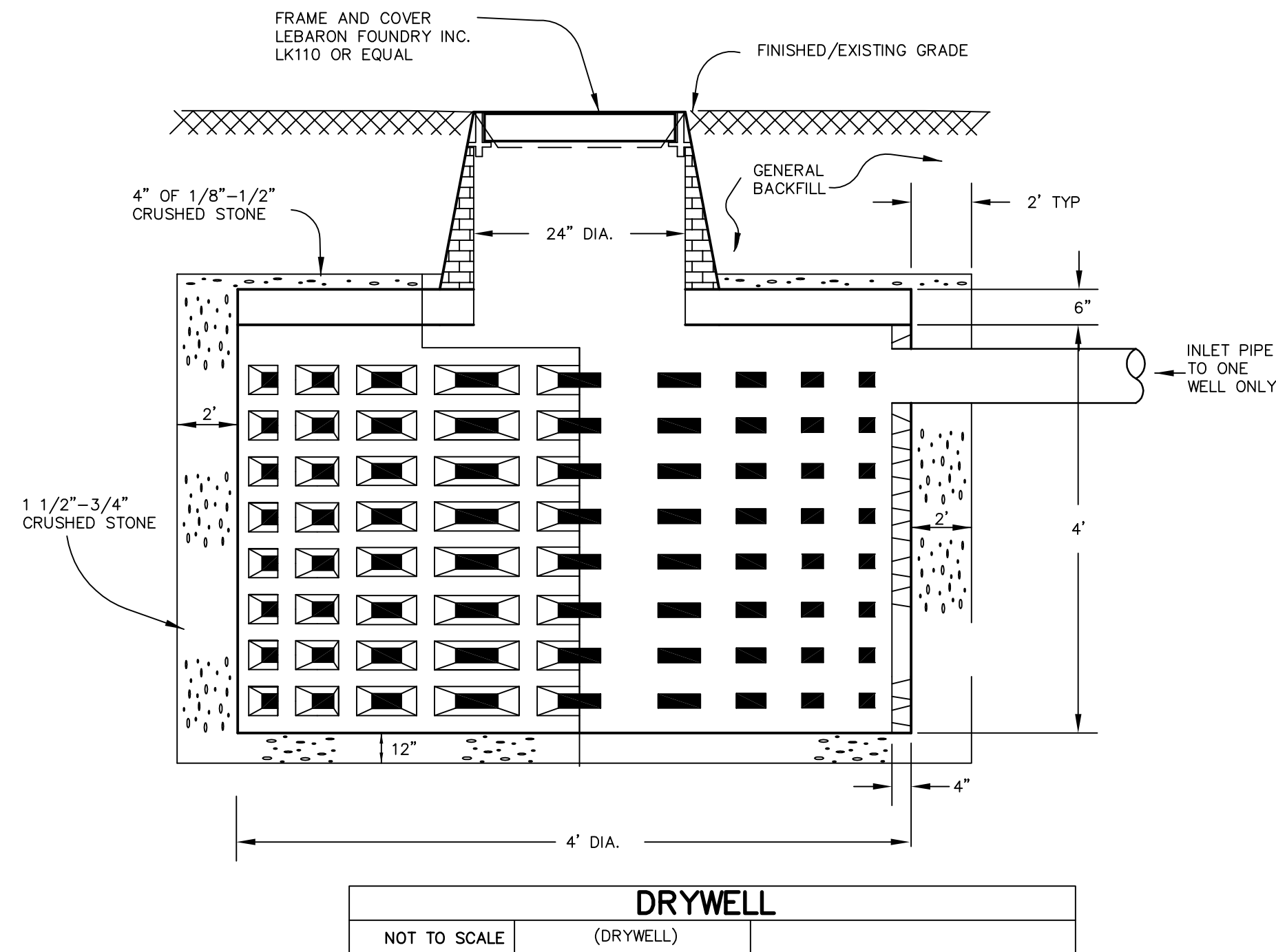
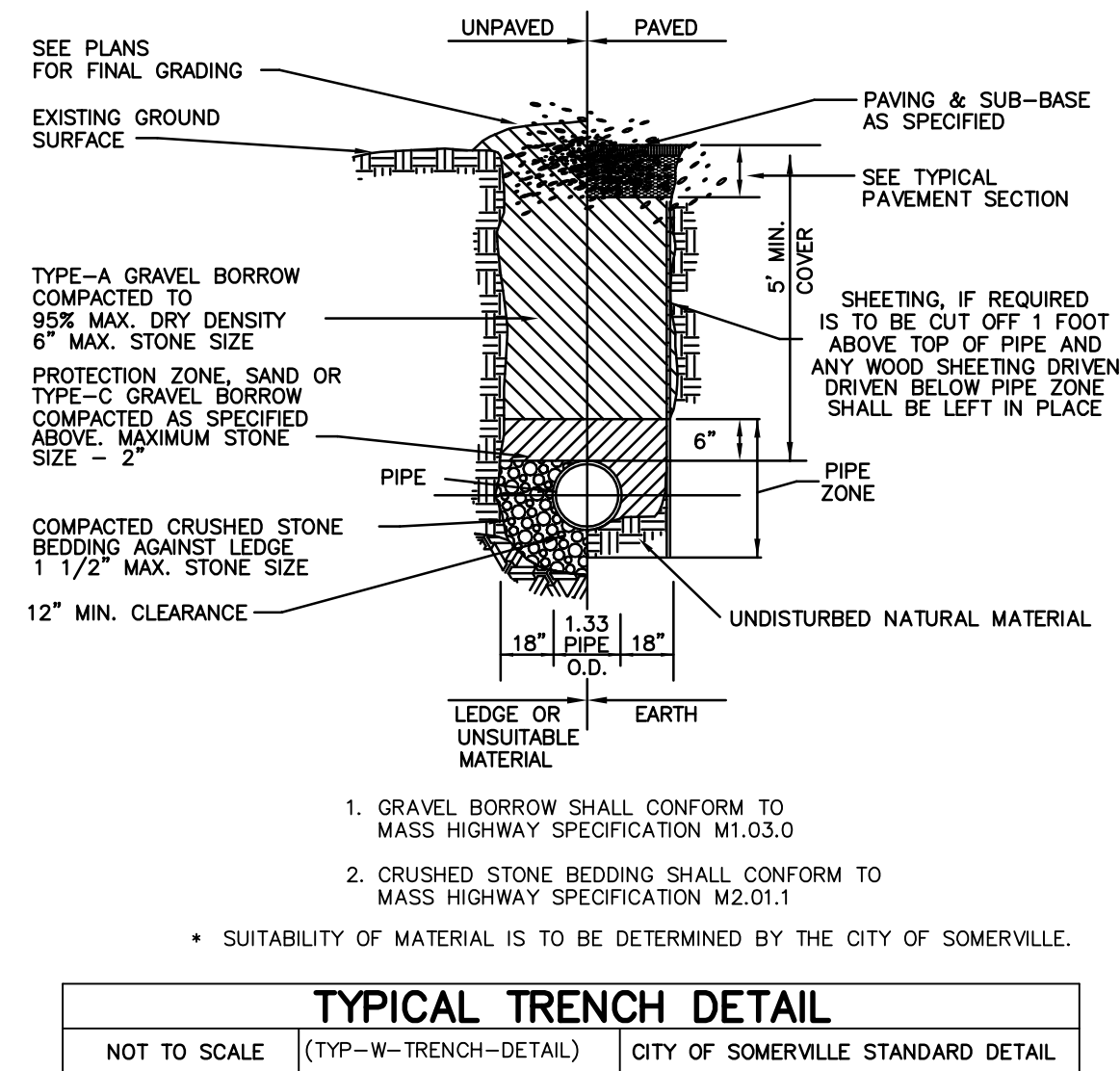
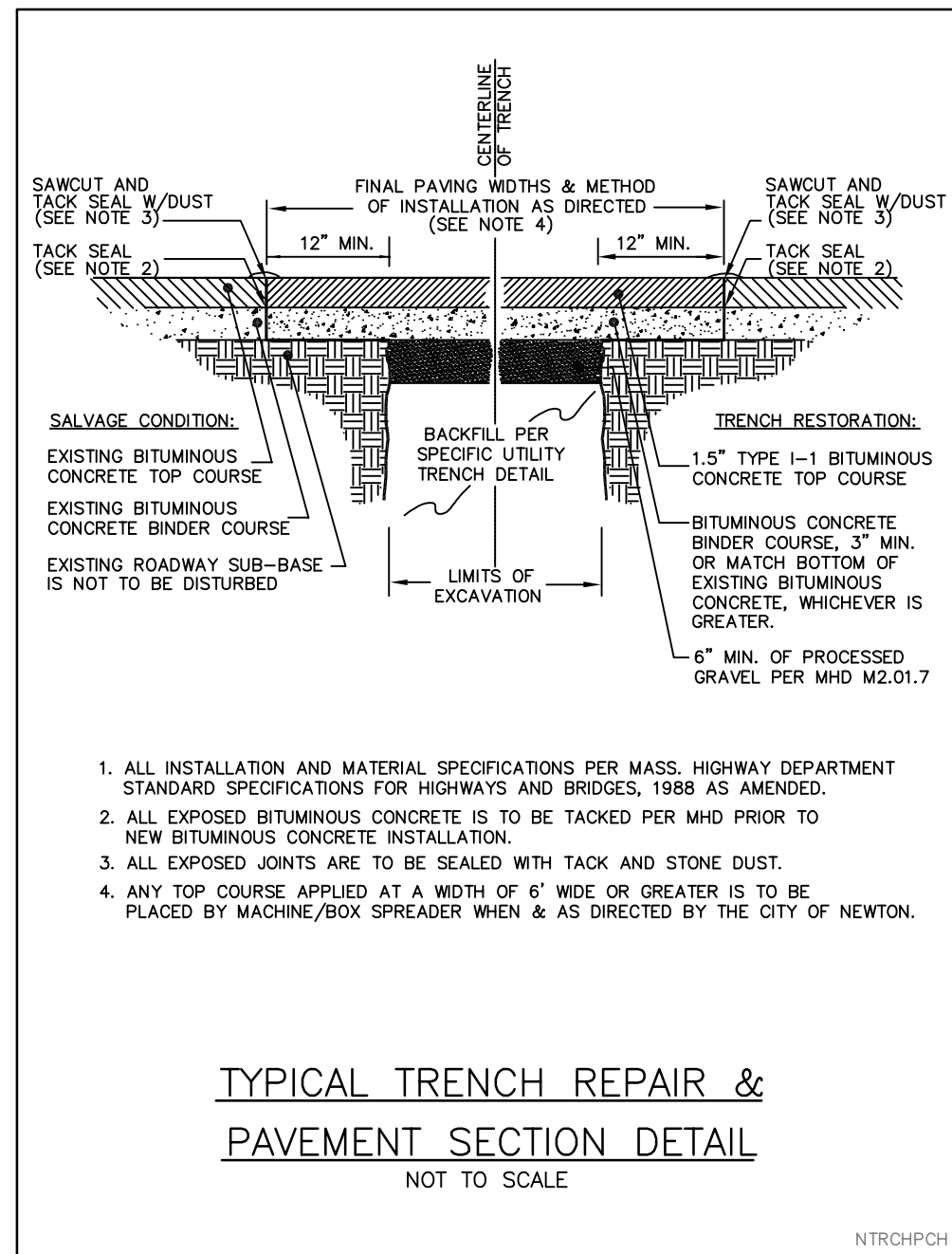
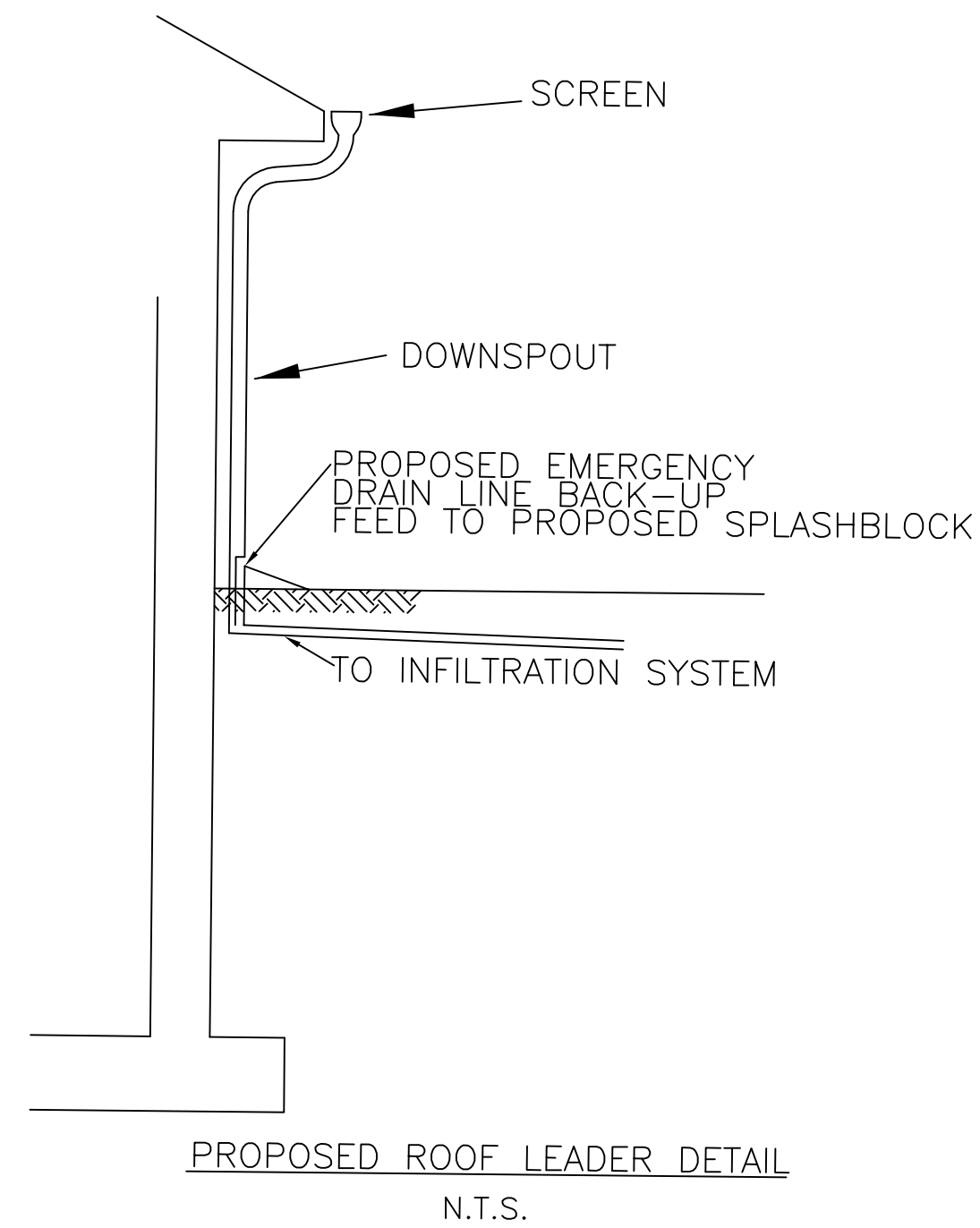
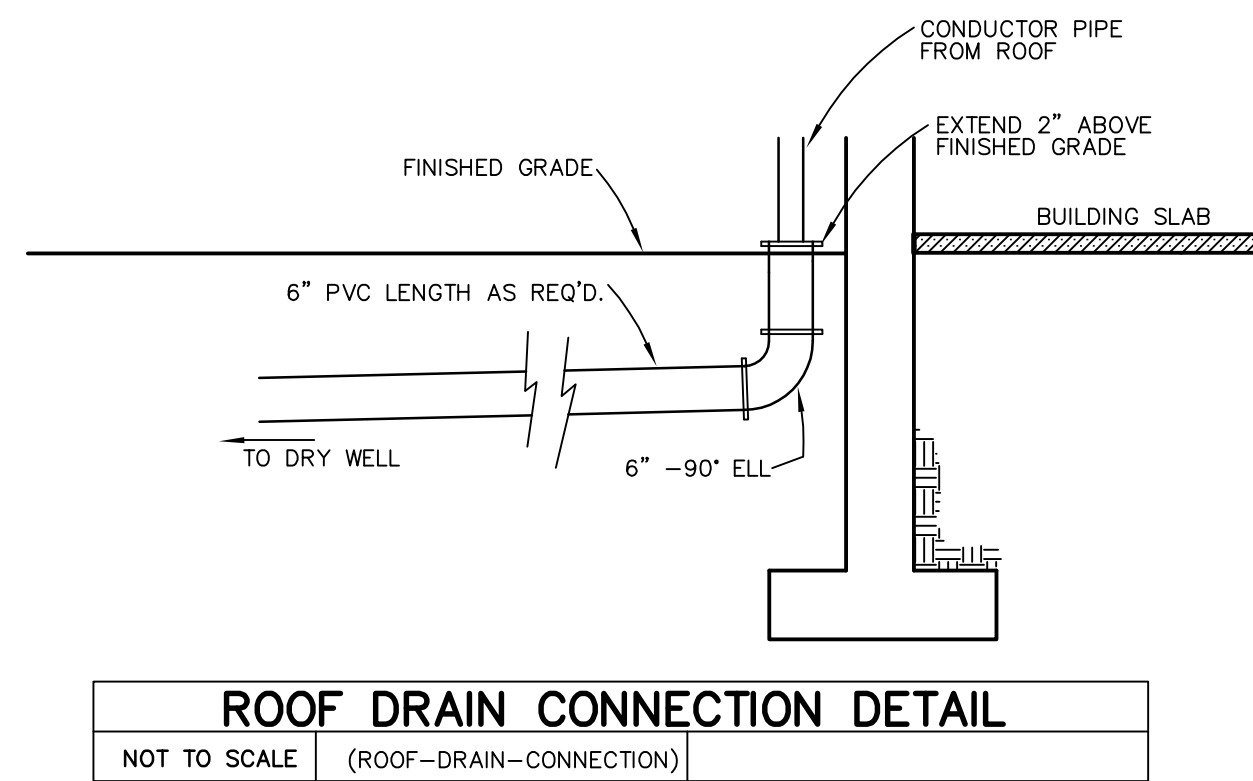
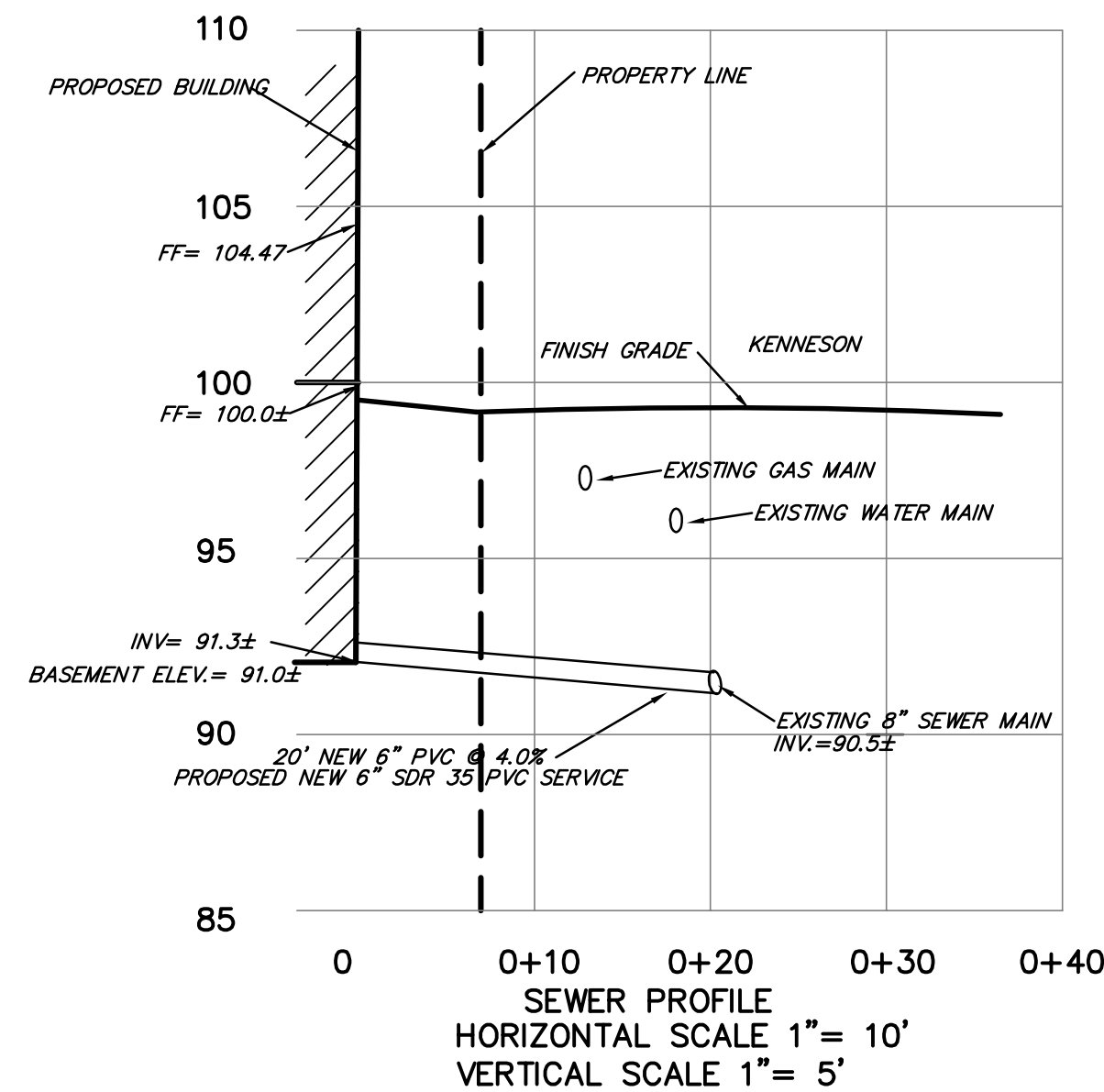
SITE
PLAN
BY
SLANEYSIDE LAND SURVEYORS
BRIGHTON, MA
TEL: 857-891-7478

GRAPHIC SCALE



BROADWAY

(PUBLIC WAY - VARIABLE WIDTH)



EROSION CONTROL NOTES

1. AT THE END OF CONSTRUCTION ALL DRAINAGE STRUCTURES ARE TO BE CLEANED OF SILT, STONES AND OTHER DEBRIS.
2. DURING CONSTRUCTION THE EROSION CONTROL MEASURES SHALL BE INSPECTED ONCE PER WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT GENERATING MORE THAN 1/2\"/>

272 BROADWAY
SOMERVILLE, MA

SCALE: 1' = 10'
DATE: 09/09/10

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