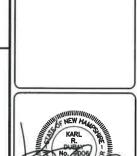


SHEET INDEX

- Title Sheet General Notes
- **Existing Conditions Plan**
- Site Layout Plan
- Landscape Plans & Details
- Grading, Drainage & Utility Plan
- **Erosion Control Plan**
- Lighting Plan
- Site Details
- Pre Development Watershed Plan
- Post Development Watershed Plan



136 Harvey Rd. Bldg B10 Londonderry, NH 03053 603-458-6462

Surveyors TheDubayGroup.com

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3	11-5-19	REVISED PER TOWN COMMENTS	WA	
4	11-15-19	FINAL COMMENTS	WA	
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111 FRANKLIN ST. **EXTENSION**

TAX MAP 35, LOT 4 DERRY, NEW HAMPSHIR

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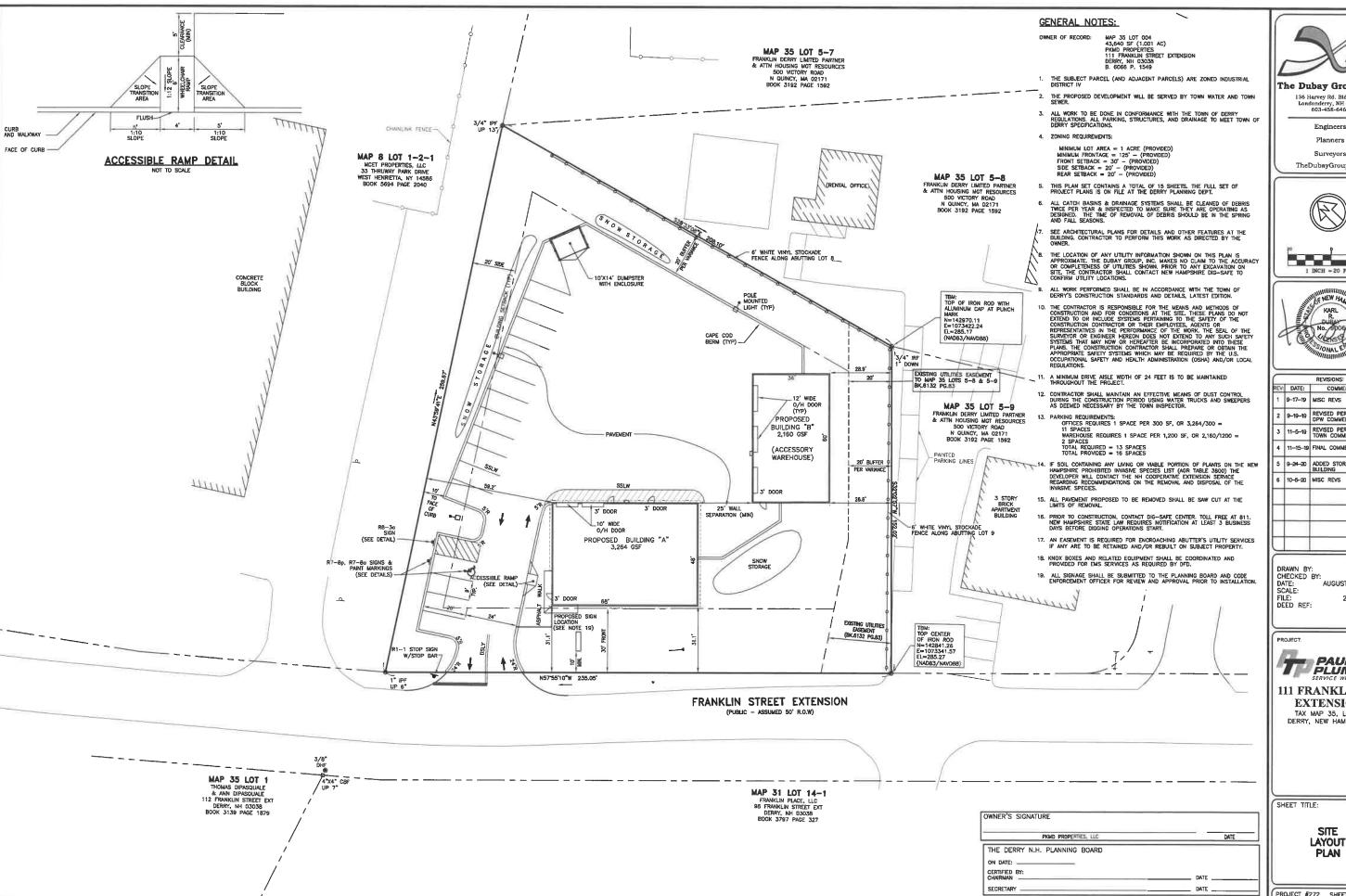
TITLE SHEET

PROJECT #272 SHEET 1 of 15

TOWN OF DERRY SIGNATURE BLOCK POLICE DEPARTMENT

OWNER'S	SIGNATURE		
	PKI	AD PROPERTIES, LLC	DATE
THE DED	mc 1411 DI	ANNUAL DOADD	

ON DATE: CERTIFIED BY:





The Dubay Group, Inc.

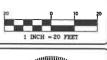
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Engineers

Surveyors

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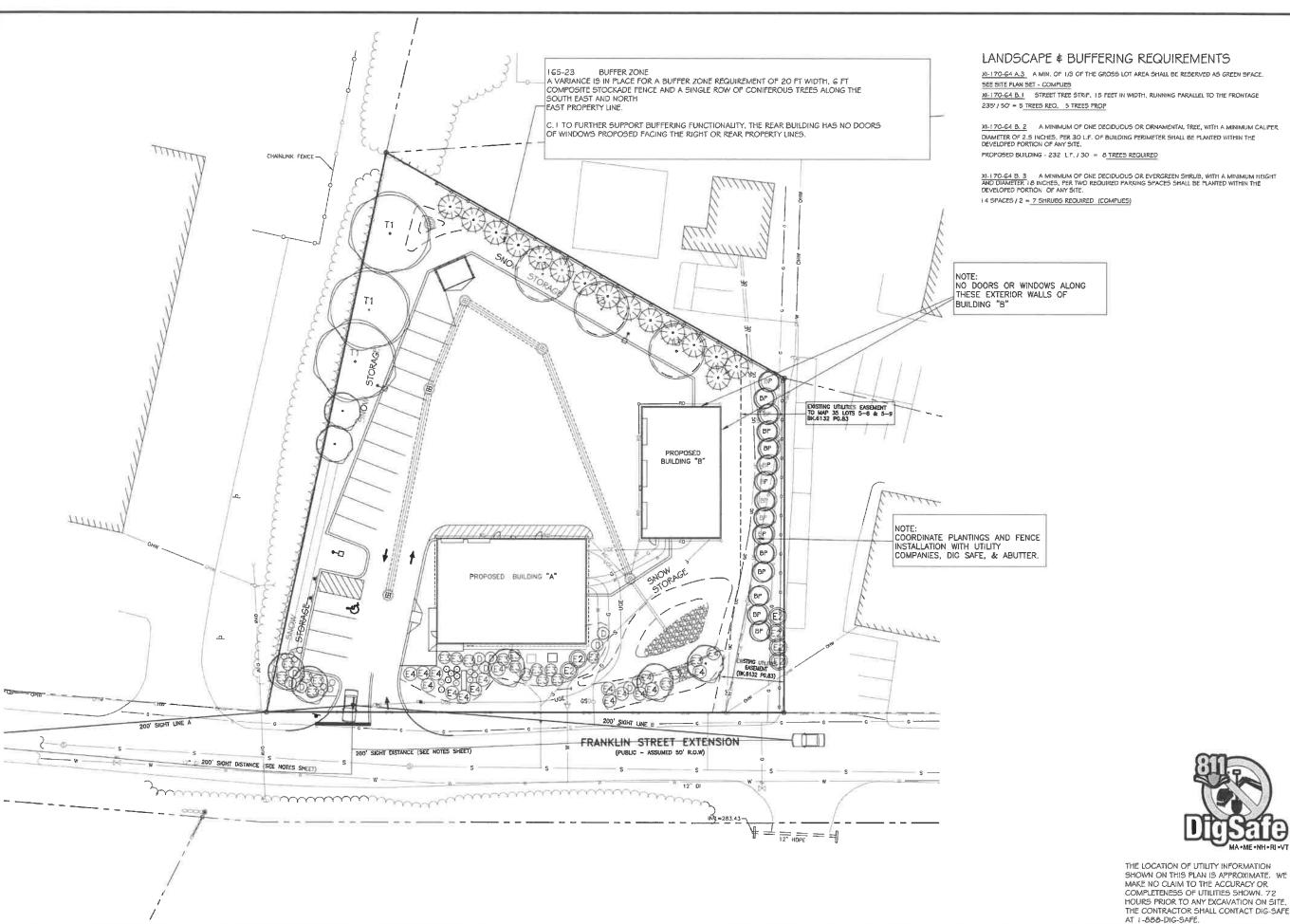


111 FRANKLIN ST. EXTENSION

TAX MAP 35, LOT 4 DERRY, NEW HAMPSHIRE

> SITE LAYOUT PLAN

PROJECT #272 SHEET 4 of 15





XI-170-64 A.3 A MIN. OF 1/3 OF THE GROSS LOT AREA SHALL BE RESERVED AS GREEN SPACE.

 $\underline{\text{XI-170-64 B. 2}}$ A MINIMUM OF ONE DECIDUOUS OR ORNAMENTAL TREE, WITH A MINIMUM CALIPER DIAMETER OF 2.5 INCHES, PER 30 L.F. OF BUILDING PERIMETER SHALL BE PLANTED WITHIN THE DEVELOPED PORTION OF ANY SITE.

XI-170-64 B. 3 A MINIMUM OF CNE DECIDUOUS OR EVERGREEN SHRUB, WITH A MINIMUM HEIGHT AND DIAMETER 18 INCHES, PER TWO REQUIRED PARKING SPACES SHALL BE PLANTED WITHIN THE DEVELOPED PORTION OF ANY SITE.

The Dubay Group, Inc.

136 Harvey Rd. Bldg B101 Londonderry, NH 03053 603-458-6462

Engineers Planners

Surveyors The Dubay Group.com







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EXTENSION TAX MAP 35, LOT 4 DERRY, NEW HAMPSHIRE

SHEET TITLE:

LANDSCAPE PLAN

PROJECT #272 SHEET 5 of 15

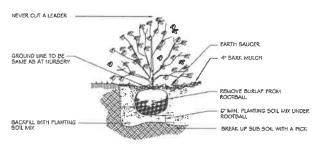
DECIDUOUS TREE PLANTING DETAIL

BACKFILL WITH PLANTING MIX -ROOTBALL SITTING ON TOP OF UNDISTURBED SLOPE SLOPE SIDED HOLE IS 3 TIMES AS WIDE AS THE ROOTBALL DIS.

TOP MOST ROOT IN ROOTBALL ABOVE EXISTING GRADE, UPHILL SIDE 2°-3° SHREDDEO HARDWOOD BARK MULCH (APPLIED MINIMUM 2° AWAY

SEE TREE PLANTING DETAIL FOR

SLOPE PLANTING DETAIL



SHRUB PLANTING DETAIL

NEVER CUT A LEADER FOR TREES 5" IN HEIGHT OR GREATER #12 GA. GALV. TWISTED WIRE IN RUBBER HOSE AROUND TREE AT 2/3 HEIGHT OF TREE FROM GRADE (3) #12 GA. GALV. TWISTED WIRES AT 120° SPACING WITH 6 1/2° GAL. TURNBUCKLE WIRE IN RUBBER HOSE ARCUND TREE ATTACH TO TREE ATTACH TO TREE ATTACH TO TREE ABOVE GRADE ANCHOR WITH 2"x2x2" SPRUCE STAKE BURIED BELOW GRADE CLEAR OF ROOT. FOR TREES LESS THAN 5' IN HEIGHT (3) 2'x2'x5' SPRUCE STAKES AT 120'
SPACING, A MINIMUM OF 36' IN GROUND.
STAKES TO BE CLEAR OF ROOTBALL SURVEY FLAGGIN 4° SHREDDED HARDWOOD BARK MILCH FORM SAUCER FOR WATER RETENTION : REMOVE BURLAF FROM ROOTBALL 6" MIN. PLANTING SOIL MIX UNDER ROOTBALL SCARIFY SUB SOIL WITH PICE

EVERGREEN PLANTING DETAIL

LANDSCAPE NOTES:

- I. PRIOR TO CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING AND NEWLY INSTALLED UTILITIES AND SHALL NOTIFY THE OWNERS REPRESENTATIVE OF ANY CONFLICTS.
- 2. WHEREVER POSSIBLE EXISTING TREES SHALL BE PRESERVED AND PROTECTED. DURING CONSTRUCTION. DISTURBED SIDE SLOPES SHALL BE ALLOWED TO NATURALLY VEGETATE TO SUSTAIN EXISTING WILDLIFE AND PLANT LIFE.
- 3. THE PROPOSED DECIDUOUS TREES SHALL BE A MIN. 2.5' CALIPER WITH
- 4. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED WITH A MINIMUM OF G'SUITABLE LOAM, EXCEPT UNDER THE MULCH BEDS. SLOPES GREATER THAN 3: I SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET,
- 5. PLANTS SHALL NOT BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED WITHIN THE IMMEDIATE AREA OF THE PLANTING.
- G. ALL TREES SHALL BE BALLED AND BURLAP UNLESS OTHERWISE NOTED.
- 7. ANY PROPOSED PLANT MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- 8. WHERE APPLICABLE THE CONTRACTOR SHALL HAVE ALL FALL TRANSPLANTING HAZARD PLANTS DUG IN THE SPRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- 9. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY: HAVE NORMAL GROWTH HABITS: WELL DEVELOPED BRANCHES. DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- 10. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL
- . ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- 12. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY, IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY, ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
- 13. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI 260 (REV. 1996) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN,
- 14. ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES, PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
- 15. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY,
- I G. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH 'WILT-PRUF' OR EQUAL AS PER MANUFACTURER'S
- 17. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- 18. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABUSHED. LOCATE PLANT IN THE CENTER OF THE PIT,
- 19. ALL PLANTING BEDS SHALL BE MULCHED WITH 4" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- 20. NO SOIL CONTAINING ANY LIVING OR VIABLE PORTION OF PLANTS ON THE NEW HAMPSHIRE PROHIBITED INVASIVE SPECIES LIST (AGR TABLE 3800) SHALL BE TRANSPORTED TO OR FROM CONSTRUCTION SITES WITHOUT NOTIFICATION AND APPROVAL FROM THE NEW HAMPSHIRE DEPT. OF AGRICULTURE PER RSA 430:55.

LANDSCAPE LEGEND:

		BOTONICAL NAME / COMMON NAME	SIZE & REMARKS	MATURE HT.	MATURE WIDTH
		DECIDIOUS CHAPE TORK			
T!	3	DECIDUOUS SHADE TREE ACER REMANII "AUTUMN BLAZE" / AUTUMN BLAZE MAPLE ACER RUBRUM 'OCTOBER GLORY / OCTOBER GLORY RED MAPLE ACER SACCHARUM TIGEACY / LIGACY SUGAR MAPLE ACER SACCHARUM TICOMMEMORATION / COMMEMORATION SUGAR MAPLE QUERCUS COCCINEA / SCALET OAK QUERCUS COCCINEA / SCALET OAK QUERCUS PALUSTRIS / PIN OAK	2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B	40'-60' 40'-60' 40'-60' 40'-60' 60'	30'-40' 30'-40' 30'-40' 30'-40' 30'-40'
13	3	DECIDUOUS FLOWERING TREE CERCIS CANADENSIS / EASTERN REDBUD CORNUS FLORIDA RUBRA / PINK FLOWERING DOGWOOD PRUNUS SUBHIRTELLA "AUTUMNALIS" / AUTUMN FLOWERING CHERRY	2.5" CAL. B4B 2.5" CAL. B4B 2.5" CAL. B4B	20'-30' 20'-30' 20'-30'	20'-30' 20'-30' 20'-30'
\bigcirc	7	DECIDUOUS LIPRIGHT ACER FREMANII "ARNSTRONG" / ARMSTRONG MAPLE ACER RUBRUM "KARPICK" / KARPICK RED MAPLE PYRUS CALLERYANNA "CHANTICLEER" / CHANTICLEER FLOWERING PEAR PRUNIUS CERASIFERA "HUDDERCLOUP" / THUDDERCLOUD PLUM PRUNUS SERRULATA "KWANZAN" / KWANZAN CHERRY	2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B 2.5° CAL. B4B	40'-60' 40'-60' 30'-40' 15'-20' 20'-30'	15'-20' 15'-20' 15'-20' 15'-20'
	20	EVERGREEN I LARGE EVERGREEN TRIE ABIES FRASER J. FRASER FIR PICEA PUNGENS 'GLALICA' / COLORADO BLUE SPRUCE PINUS STROBUS / EASTERN WHITE PINE	6' HT. 848 6' HT. 848 6' HT. 848	30'-40' 60' 60'	20'-30' 20'-30' 30'-40'
BP	15	JUNIPERUS CHINENSIS 'BLUE POINT' / BLUE POINT JUNIPER 4' ht.	B4B 8'-10'	8-10	
©	6	EVERGREEN 2 EVERGREEN SHRUB / DWARF CHAMAECYPARIS OBTUSA 'FERNSPRAY GOLD' / GOLD HINOXI FALSECYPRESS ILEX MESERVEAE 'BLUE PRINCE' / BLUE PRINCE HOLLY J. YRGAINIAN 'EMERALD SENTINEL' / BLUE AFRINCE HOLLY PICEA PUNGENS BAKERII / BAKER BLUE SPRUCE	4' HT, B4B	10'-15' 8'-10' 15'-20' 15'-20'	8'-10' 6'-8' 8'
6	15	ÉVERGREEN 3 EVERGREEN SHRUB MEDIUM ILEX CREMATA 'HETZIP' / HETZ JAPANESE HOLLY JUNIPERUS CHINENSIS 'ARM-STRONG AUREA' / OLD GOLD JUNIPER JUNIPERUS CHINENSIS 'SOLD STAR / GOLD STAR JUNIPER JUNIPERUS CHINENSIS 'GOLD STAR / GOLD STAR JUNIPER J. CHINENSIS' FETIZERIANA COMPACTA' / COMPACT PETIZER JUNIPER JUNIPERUS CHINENSIS 'SEAGREEN' / SEAGREEN JUNIPER LEUCOTHOE FONTANESIANA 'GIRADD'S RAINBOW/GIRARD'S RAINBOW LEUCOT PIERIS 'BROUWER'S BEAUTY / BROUWER'S BEAUTY ANDROMEDA TAXUS MEDIA 'GREENWAVE' / GREENWAYE SPREADING YEW TAXUS MEDI TAUTONI' / TAUNTONI YEW TAXUS MEDI TAUTONI' / TAUNTONI YEW	30° B4B 30° B4B 30° B4B 30° B4B 30° B4B 30° B4B 50° B4B 30° B4B 30° B4B 30° B4B 30° B4B	3'-4' 3'-4' 2'-3' 2'-5' 5'-4' 4'-5' 3'-4'	3'.4' 6'.8' 5'.6' 5'.6' 4'.5' 4'.5' 6'.8'
(3)	17	EVERGREEN 4 EVERGREEN GROUNDCOVER JUNIPERUS CHINENSIS 'SARGENTI' / GREEN SARGENT JUNIPER JUNIPERUS HORIZONTALIS 'BAR HARBOR' / BAR HARBOR JUNIPER LEUCOTHOE FONTANESIANA 'COMPACTA' / COMPACT DROOPING LEUCOTHOE TAXUS MEDIA EVER-LOW / EVER-LOW 'YEW	5 GAL. 5 GAL. 5 GAL. 5 GAL.	12"-24" 6"-12" 12"-24" 12"-24"	8'-10' 6'-8' 4'-5' 5'-6'
(1)	10	DECIDUOUS SHRUB SMALL ILEX VERTICILLATA 'RED SPRITE' / RED SPRITE WINTERBERRY ITEA VIRGINICA 'LITTLE HENRY / LITTLE HENRY SWEETSPIRE POTENTILLA FRUTICOSA ' ABBOTSWOOD' / ABBOTSWOOD POTENTILLA POTENTILLA FRUTICOSA ' PINK BEAUTY / PINK BEAUTY POTENTILLA POTENTILLA PRAVIPIOUA YGLD RODP / GOLD RODP POTENTILLA RIUS AROMATICA 'GOLD VLOW / GROW LOW SUMAC SPIRAEA BUMALDA ' GOLDPLAME' / GOLDPLAME SPIREA SPIRAEA JAPONICA 'GOLDMOUND' / GOLDMOUND SPIREA SPIRAEA JAPONICA 'LEMON PRINCESS' / LEMON PRINCESS SPIREA SPIRAEA JAPONICA 'LEMON PRINCESS' / LEMON PRINCESS SPIREA SPIRAEA JAPONICA 'LEMON PRINCESS' / LEMON PRINCESS SPIREA SPIRAEA JAPONICA 'MAGIC CARPET' / MAGIC CARPET' SPIREA SPIRAEA JAPONICA 'MAGIC COMPANA LIAC WEIGELA FLORIDA 'IMME WINE' / FINE WINE WEIGELA WEIGELA FLORIDA 'MIDNICHT WINE / MIDNIGHT WINE WEIGELA WEIGELA FLORIDA 'VARIEGATA' / DWARF VARIGATED WEIGELA	3 GAL. 3 GAL.	3'-4' 18"-24" 2'-3' 2'-3' 18"-24" 2'-3' 12"-24" 2'-3' 12"- 4'-5' 2'-3' 12"-24"	3:4' 2'3' 2'3' 2'3' 2'3' 2'3' 3'4' 12'24' 3'4' 2'3' 3'4' 2'3' 2'3' 2'3'
0	20	PERENNIAL/ GRASSES			

THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. WE MAKE NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN, 72 HOURS PRIOR TO ANY EXCAVATION ON SITE, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-DIG-SAFE.





136 Harvey Rd. Bldg B101 Londonderry, NH 03053 603-458-6462

Engineers Planners

Surveyors The Dubay Group.com



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4	11-15-19	FINAL COMMENTS	WA
5	9-24-20	ADDED STORAGE BUILDING	JJG
В	10-5-20	MISC REVS	JJG

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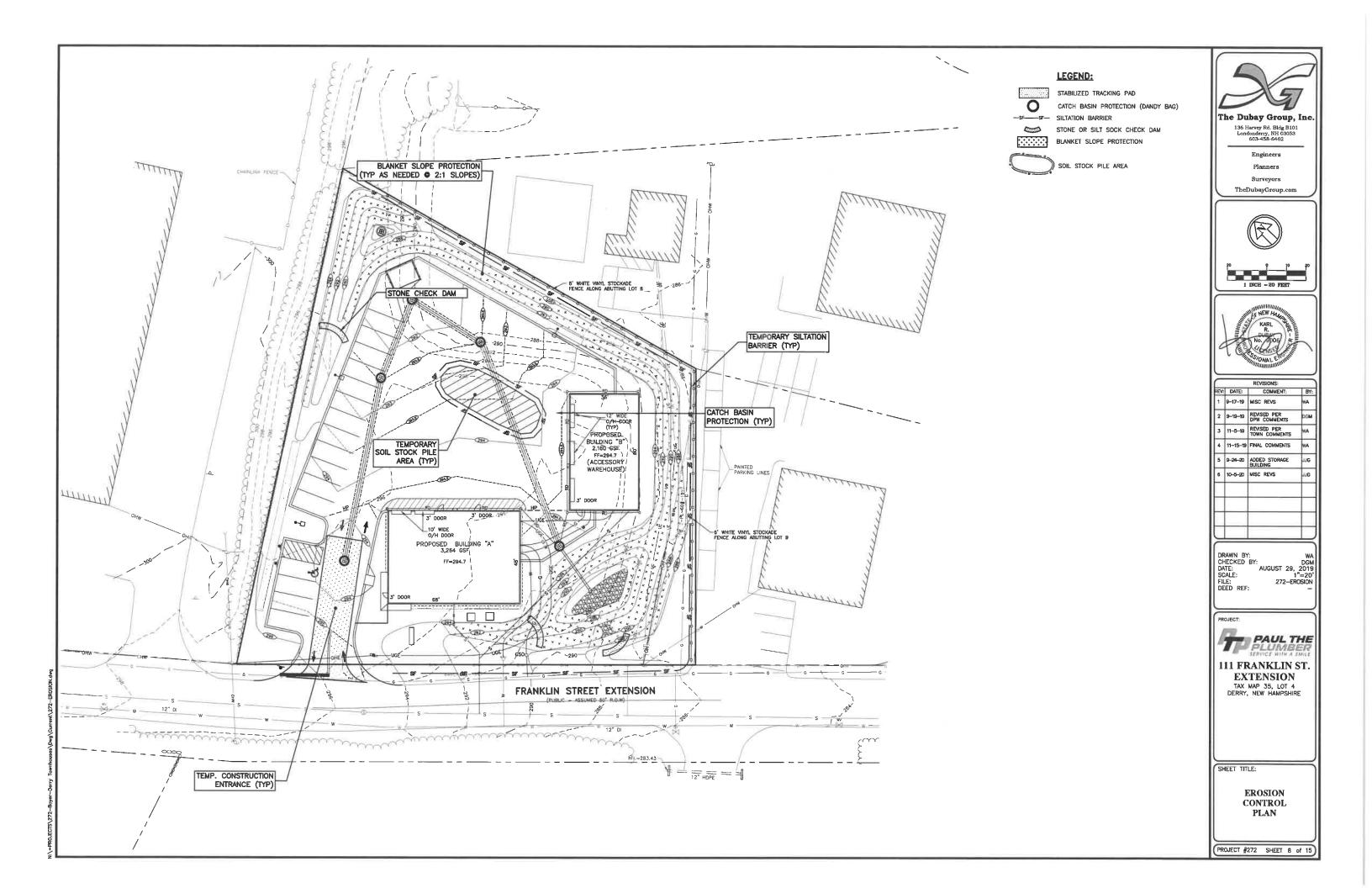


111 FRANKLIN ST. **EXTENSION** TAX MAP 35, LOT 4 DERRY, NEW HAMPSHIRE

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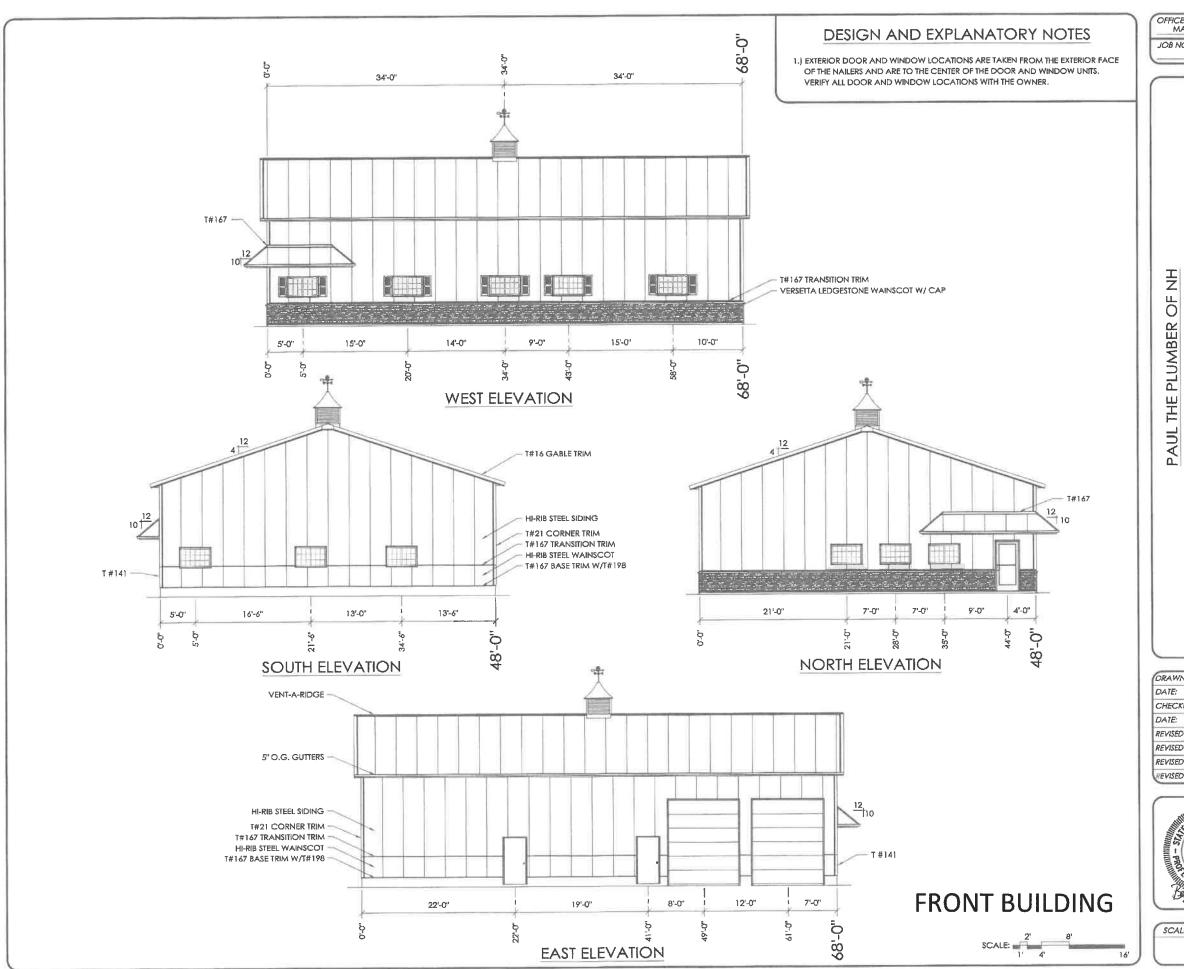
LANDSCAPE DETAILS

PROJECT #272 SHEET 6 of 15



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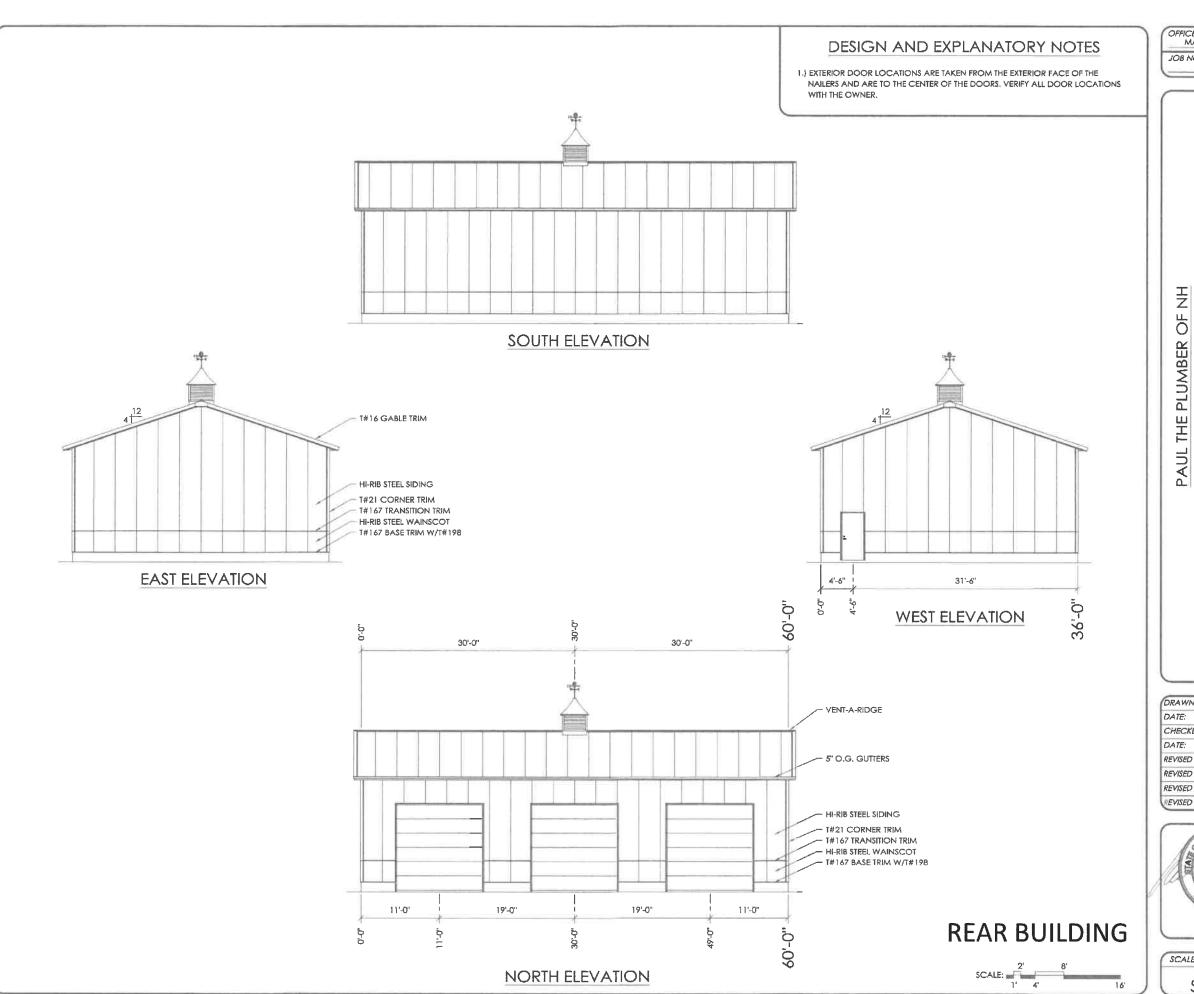
OFFICE: MANCHESTER, NH JOB NO. 118-091342

ALLIED DESIGN ARCHITECTURAL RENGINEERING GROUP, P.C.

DRAWN BY: MAG 8/22/2019 DATE: CHECKED BY: SJW 9/13/2019 DATE: REVISED DATE: ---REVISED DATE: ---REVISED DATE: ---REVISED DATE: -



SCALE: AS NOTED SHEET NO. S4 OF S7



OFFICE: MANCHESTER, NH JOB NO. 118-100662

> Δ. ENGINEERING GROUP,

ALLIED DESIGN ARCHITECTURAL & DRAWN BY: KRC 9/2/2020 CHECKED BY: TP 9/4/2020 REVISED DATE: ----REVISED DATE: ---REVISED DATE: REVISED DATE: ---



SCALE: AS NOTED SHEET NO. S4 OF S6