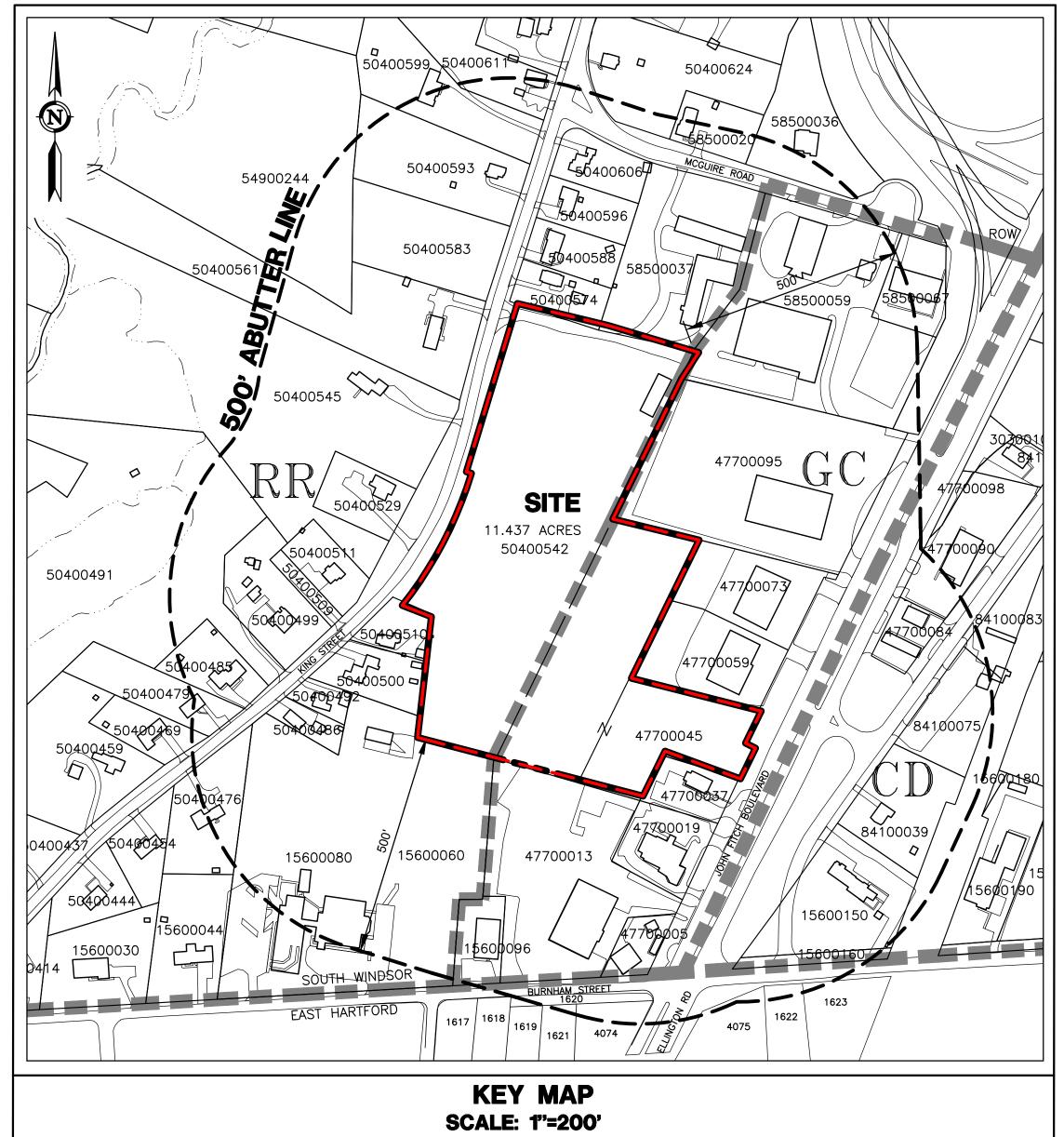
HARTFORD TRUCK EQUIPMENT

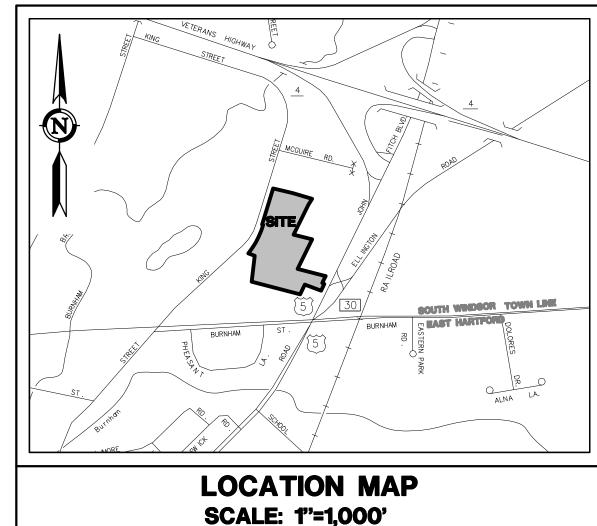
SITE PLAN APPLICATION - LANDSCAPE BERM

45 JOHN FITCH BOULEVARD & 542 KING STREET ~ SOUTH WINDSOR ~ CT

GIS #: 50400542, 47700045

DADOE: :-	N/F 500' A	
PARCEL ID	STREET ADDRESS	OWNER
1618	93 BURNHAM STREET	WOOD LEAH & CAMERON
1619	101 BURNHAM STREET	ARORA JAWAHAR LAL & REKHA
1620	105 BURNHAM STREET	TOWN OF EAST HARTFORD
1621	107 BURNHAM STREET	CHAN ERNESTO CALVERT & LOUISE I
1622	149 BURNHAM STREET	P & Z ELLINGTON ROAD REALTY LLC
1623	157 BURNHAM STREET	P & Z ELLINGTON ROAD REALTY LLC
4074	400 ELLINGTON ROAD	MUMFORD CHARLES R SR
4075	405 ELLINGTON ROAD	P & Z ELLINGTON ROAD REALTY LLC
15600060	60 BURNHAM STREET	TRUTH BAPTIST CHURCH OF -
15600096	96 BURNHAM STREET	SZUKI GEORGE H & CYNTHIA V
15600150	150 BURNHAM STREET	KIDS-5 LLC
15600160	160 BURNHAM STREET	CONN STATE OF
47700005	5 JOHN FITCH BLVD	ALLIANCE ENERGY CORP
47700013	13 JOHN FITCH BLVD	CARON DAVID
47700019	19 JOHN FITCH BLVD	19 JOHN FITCH BOULEVARD II LLC
47700037	37 JOHN FITCH BLVD	CIL REALTY INCORPORATED
47700045	45 JOHN FITCH BLVD	MCGUIRE ROAD ASSOCIATES LLC
47700059	59 JOHN FITCH BLVD	CHURILO PETER
47700073	73 JOHN FITCH BLVD	CHURILO PETER
47700084	84 JOHN FITCH BLVD	TONYS TURTLE GAS LLC
47700090	90 JOHN FITCH BLVD	GILL JASON
47700095	95 JOHN FITCH BLVD	MCGUIRE ROAD ASSOCIATES LLC
50400469	469 KING STREET	KELLEY BRITTANY
50400476	476 KING STREET	GRAHAM BRIAN T &
50400479	479 KING STREET	LIVINGSTON STEPHEN P & KIMBERLY
50400485	485 KING STREET	MARSH STEVEN J
50400486	486 KING STREET	SHELDON DAVID B & ELAINE R
50400491	491 KING STREET	SOUTH WINDSOR TOWN OF
50400492	492 KING STREET	MURPHY SHANNON
50400499	499 KING STREET	TEDONE TAMARA
50400500	500 KING STREET	CALABRESE MARK
50400509	509 KING STREET	RUSSAK WALTER O
50400510	510 KING STREET	UCCELLO ROBERT A & JESSICA
50400511	511 KING STREET	RUSSAK WALTER O &
50400529	529 KING STREET	BALTZ FRANK R &
50400542	542 KING STREET	MCGUIRE ROAD ASSOCIATES LLC
50400545	545 KING STREET	RUSSAK ROBERT
50400561	561 KING STREET	RUSSO THOMAS J & BEATA
50400574	574 KING STREET	ST JARRE STEVEN J
50400583	583 KING STREET	RUSSAK MURIEL
50400588	588 KING STREET	COLTON LISA A
50400588	593 KING STREET	RIOUX NICOLE & DAVID
50400596	596 KING STREET	VAZQUEZ EDWIN & NELIDA
50400590	599 KING STREET	GALUSKA MICHAEL E
50400599	606 KING STREET	BRENNAN JUSTINE
50400611	611 KING STREET	AHLEMEYER WILLIAM F &
50400624	624 KING STREET	WAINIKIEWICZ MARGARET L/U
54900244	244 MAIN STREET	JONES ROBERT E JR &
58500244 58500020	20 MCGUIRE ROAD	RAMIREZ PEDRO R
58500036 58500037	36 MCGUIRE ROAD	DBB MANAGEMENT LLC
58500037	37 MCGUIRE ROAD	SUNDERLAND EDWARD T III
58500059 58500067	59 MCGUIRE ROAD	MCGUIRE ROAD ASSOCIATES LLC
58500067	67 MCGUIRE ROAD	DBB MANAGEMENT LLC
84100039	39 SPIELMAN ROAD	DUNTZ KATHY L
84100075	75 SPIELMAN ROAD	TONUCCI RICHARD L & BERNICE A
84100083	83 SPIELMAN ROAD	TONUCCI RICHARD L & BERNICE A





SHEET INDEX				
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	ZONING	TABLE			
ZONE: GC ZONE (GENERAL COMMERCIAL)*					
<u>ITEM</u>	REQUIRED/ ALLOWED	<u>EXISTING</u>	PROPOSED		
LOT AREA	30,000 SF	498,203 SF	498,203 SF		
LOT FRONTAGE	100'	729.71'	729.71		
LOT DEPTH	150'	536'	536'		
FRONT YARD	50'	332.4'	332.4'		
SIDE YARD	10'	23.6'	23.6'		
REAR YARD	15'	_	_		
BUILDING HEIGHT	40'	<40'	<40'		
STORIES	2	1	1		
LOT COVERAGE	30%	0.5%	0.5%		
IMPERVIOUS COVERAGE	65%	2%	1.2%		

NOTES:

* ZONE IS CONTINGENT ON ZONE CHANGE APPLICATION APPROVAL
FROM RURAL RESIDENTIAL (RR) TO GENERAL COMMERCIAL (GC)

PRELIMINARY NOT FOR CONSTRUCTION ESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURI

THESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURE REGULATORY APPROVALS. ONLY FINAL PLANS STAMPED APPROVED BY THE TOWN SHALL BE USED FOR CONSTRUCTION PURPOSES.

GENERAL NOTES:

• THESE PLANS ARE INVALID UNLESS THEY BEAR THE SEAL OR STAMP, AND ORIGINAL SIGNATURE OF THE PROFESSIONAL ENGINEER, LAND SURVEYOR, OR LANDSCAPE ARCHITECT.

• REPRODUCTION TECHNIQUES USED IN THE PRODUCTION OF THIS PLAN CAN STRETCH OR SHRINK THE PAPER. SCALING OF THIS DRAWING MAY BE INACCURATE. CONTACT DPI IF ADDITIONAL INFORMATION IS REQUIRED.

THESE PLANS AND OTHER ITEMS PREPARED BY DESIGN PROFESSIONALS, INC. (DPI) ARE INSTRUMENTS OF SERVICE AND REMAIN ITS PROPERTY. THE USE OF THESE ITEMS BY DPI'S CLIENT IS SUBJECT TO THE TERMS SET FORTH IN THE AGREEMENT BETWEEN CLIENT AND DPI. REPRODUCTION AND/OR USE OF THESE ITEMS BY OTHERS IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF DPI.

CIVIL ENGINEER,
LANDSCAPE ARCHITECT
& LAND SURVEYOR:

CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS

PLANNERS / LANDSCAPE ARCHITECTS

21 Jeffrey Drive P.O. Box 1167 South Windsor, CT 06074 Phone: 860-291-8755 Fax: 860-291-8757 www.designprofessionalsinc.com PROPERTY OWNER:

MCGUIRE ROAD ASSOCIATES, LLC

111 FARM BROOK LANE
SOUTH WINDSOR, CT 06074

APPLICANT:

MCGUIRE ROAD ASSOCIATES, LLC

111 FARM BROOK LANE

SOUTH WINDSOR, CT 06074

OWNER:
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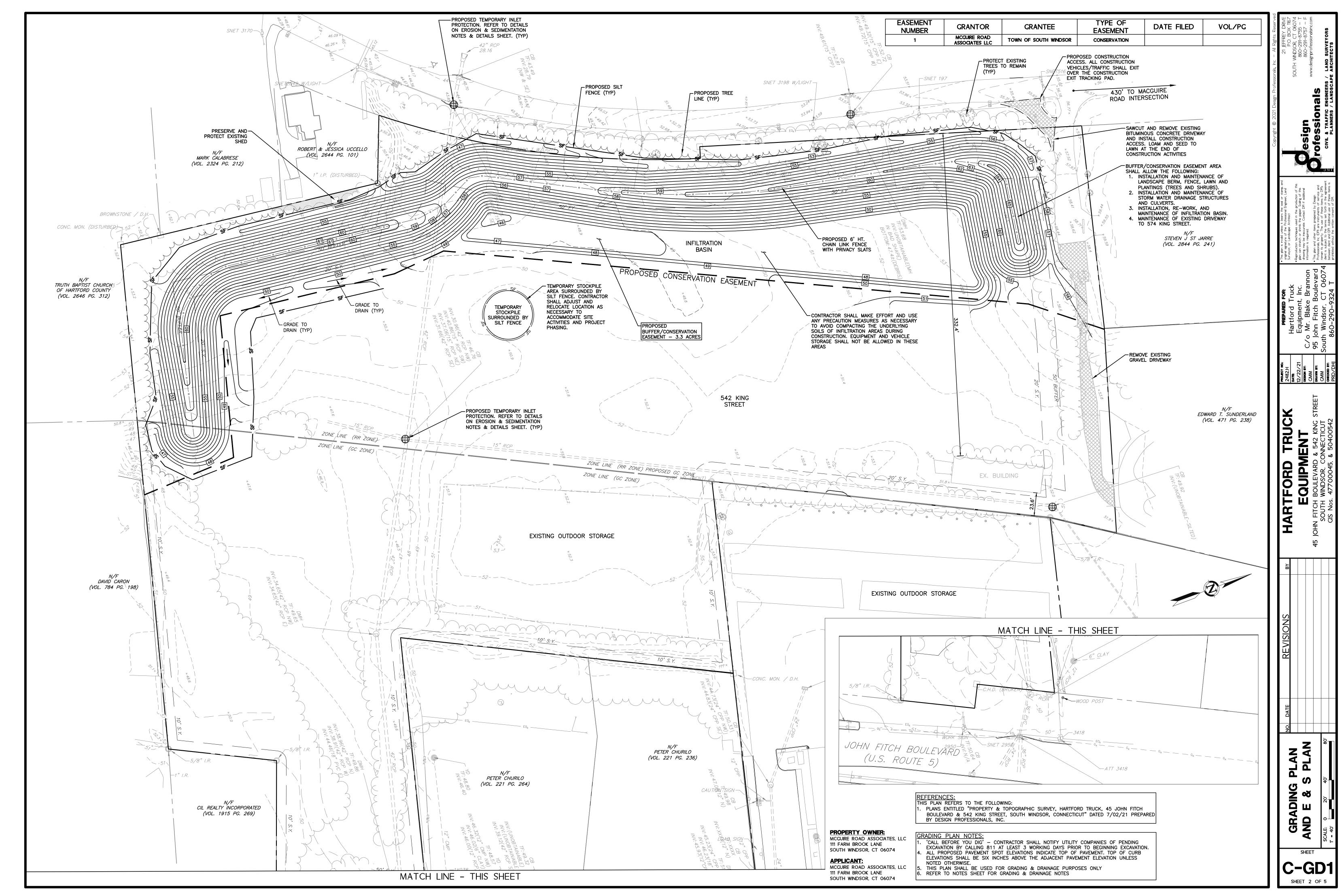
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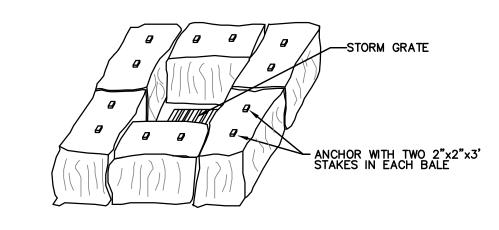
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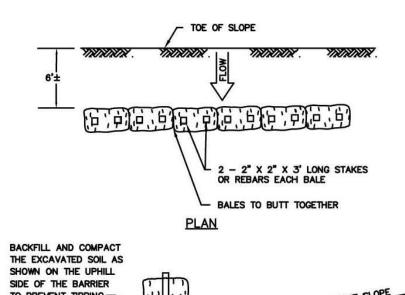
C-T1
SHEET 1 OF 5





STRAW BALE INSTALLATION AT CATCH **BASINS**

N.T.S.



TO PREVENT TIPPING.— 18" MIN. INTO GROUND -

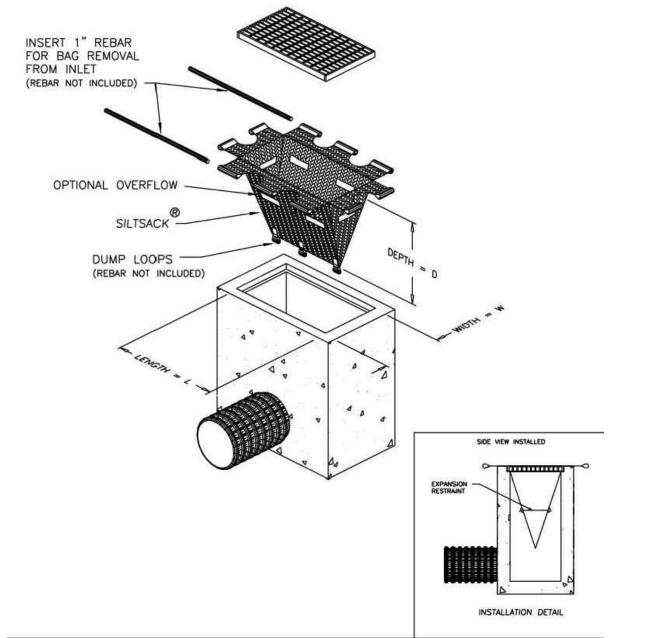
> HAYBALES SHALL BE MAINTAINED AND/OR REPLACED AS REQUIRED OR AS DIRECTED BY THE ENGINEER. 2. PLACE HAYBALES SUCH THAT TWINE OR BINDING WIRE IS PARALLEL TO THE EXISTING GROUND.

STRAW BALES FOR EROSION **CONTROL**

N.T.S.

1) CONTRACTOR SHALL LIMIT CONTRIBUTING AREA TO DIVERSION SWALES TO 1 ACRE OR LESS, AND SHALL BE INSTALLED AT GRADES OF 2% OR LESS. COMPACTED MATERIAL GRADE 1:1 SIDE SLOPES OR FLATTER

> TEMPORARY DIVERSION SWALE N.T.S.



CURB-LESS INLET PROTECTION DETAIL

N.T.S.

CONSTRUCTION SEQUENCE:

- INSTALL CONSTRUCTION ACCESS AT LOCATION SHOWN ON PLANS. MAINTAIN THE CONSTRUCTION ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO ABUTTING PAVED SURFACES. ADD STONE OR INCREASE THE LENGTH AS CONDITIONS DEMAND.
- 2. STAKE-OUT THE LIMITS OF CLEARING AND GRUBBING. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LIMITS OF CLEARING AND GRUBBING. CONTRACTOR TO CONDUCT ALL CONSTRUCTION ACTIVITIES WITHIN LIMITS SHOWN ON PLAN.
- REMOVE TOPSOIL FROM AREAS OF DISTURBANCE AND STOCKPILE. POSSIBLE STOCKPILE LOCATIONS ARE SHOWN ON THE SITE PLANS. HOWEVER, LOCATIONS SHALL BE DETERMINED BY CONTRACTOR WITH APPROVAL BY THE ENGINEER & LOCAL AUTHORITY HAVING JURISDICTION. RING SOIL STOCKPILES WITH A ROW OF SILT
- 4. ESTABLISH VEGETATION ON ALL DISTURBED SOIL THAT WILL REMAIN EXPOSED FOR LONGER THAN 30 DAYS. SEED WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADING WORK WITH A TEMPORARY SEED MIXTURE PER SECTION 5-3 "VEGETATIVE SOIL COVER" OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
- 5. CREATE TEMPORARY DIVERSION SWALES AS REQUIRED.
- 6. EXCAVATE INFILTRATION BASIN. CONTRACTOR SHALL MAKE EFFORT AND USE ANY PRECAUTION MEASURES AS NECESSARY TO AVOID COMPACTING THE UNDERLYING SOILS OF INFILTRATION AREAS DURING CONSTRUCTION. EQUIPMENT AND VEHICLE STORAGE SHALL NOT BE ALLOWED IN THESE AREAS
- 7. MINOR ADJUSTMENTS TO THE EXCAVATION LIMITS MAY BE WARRANTED WITH APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION TO ALLOW FOR PRESERVATION OF EXISTING VEGETATION.
- 8. ALL EROSION CONTROL DEVICES SHALL REMAIN FUNCTIONAL AND IN PLACE THROUGHOUT THE CONSTRUCTION EFFORT UNTIL THE SITE IS FULLY STABILIZED WITH VEGETATION.

STORM DRAINAGE SYSTEM MAINTENANCE AND OPERATION:

THE FOLLOWING MAINTENANCE SHALL BE REQUIRED TO ENSURE EFFICIENT OPERATION OF THE STORM DRAINAGE SYSTEM, DETENTION BASIN, AND UNDERGROUND BASINS. THE MAINTENANCE SCHEDULE IS INTENDED TO BE A GUIDE. AN INSPECTION OF ALL STORM DRAINAGE COMPONENTS IS REQUIRED FOLLOWING LARGE STORM EVENTS (0.5 INCHES OR GREATER) THAT COULD CAUSE THE DEPOSITION OF EXCESS DEBRIS.

CATCHBASINS: SHALL BE INSPECTED ANNUALLY AND SUMPS CLEANED WHEN DEPTH OF MATERIAL REACHES

INFILTRATION BASINS: SHALL BE INSPECTED BIANNUALLY. ALL LARGE WOODY NON LANDSCAPE GROWTH THAT MAY AFFECT THE FLOW OF WATER OR THE STABILITY OF THE BASIN SHALL BE REMOVED. RIPRAP SHALL BE RE-ARRANGED AND ADDED TO AS REQUIRED. ANY EROSION OR OTHER PROBLEMS THAT MAY AFFECT THE PROPER OPERATION OF THE BASIN SHALL BE REPAIRED PROMPTLY. ACCUMULATED SEDIMENT SHALL BE

EROSION & SEDIMENTATION CONTROL MAINTENANCE AND INSPECTION PROGRAM (WEEKLY CONSTRUCTION REPORTS):

PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLAN, THE CONTRACTOR SHALL MAINTAIN WEEKLY REPORTS ON THE CONDITION OF ALL EROSION CONTROL MEASURES AND MAKE THEM AVAILABLE UPON REQUEST OF OWNER, LOCAL AUTHORITY HAVING JURISDICTION, OR ENGINEER. IN THE EVENT OF A MAJOR RAINSTORM, (0.5 INCHES OR GRATER) REPORTS SHALL BE PREPARED WITHIN 24 HOURS OF SAID EVENT.

EROSION & SEDIMENTATION CONTROL NARRATIVE

- 1. PRIOR TO THE START OF CONSTRUCTION, ALL EROSION CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THESE PLANS.
- 2. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES IMPLEMENTATION AS WELL AS MAINTENANCE. ANY PROPOSED CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER AND/OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- 3. CONSTRUCTION ACCESS SHALL BE INSPECTED REGULARLY TO ENSURE PROPER OPERATION. STONE SHALL BE ADDED OR REPLACED AS REQUIRED.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADJACENT ROADWAYS, (BOTH PUBLIC & COMPLETED PORTIONS OF THE PROJECT) FREE FROM ACCUMULATED DUST AND DIRT. STREETS SHALL BE SWEPT CLEAN AT ALL TIMES.
- AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF THE SITE, SHALL BE STABILIZATION WITH FINAL VEGETATION WITHIN 7 DAYS, AREAS TO BE LEFT BARE FOR MORE THAN 30 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIP MULCH (6 CYDS / 1000 S.F.) OR SEEDED WITH PERENNIAL RYE-GRASS UNTIL FINAL GRADING AND STABILIZATION TAKES PLACE. WINTER STABILIZATION SHALL INCLUDE MULCH/STRAW OR HAY APPLIED AT THE SAME RATE WITH A TACKIFIER PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- 6. ALL DISTURBED SLOPES EXCEEDING A 3:1 SLOPE SHALL IMMEDIATELY RECEIVE MULCH AND TEMPORARY SEEDING IN ACCORDANCE WITH THE FOLLOWING APPLICATION RATES:

STRAW 90# / 1000 S.F. TEMPORARY SEEDING:

1.0# / 1000 S.F. PERENNIAL RYEGRASS 7. CONTRACTOR SHALL CLEAN CATCHBASIN SUMPS, DIVERSION SWALES, & TEMPORARY SETTLING SUMPS AS REQUIRED DURING CONSTRUCTION.

8. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL MANAGE STORMWATER RUNOFF SO THAT NO DIRECT DISCHARGE OF RUNOFF THAT CONTAINS SUSPENDED PARTICLES, FLOWS INTO RECEIVING WATERS. RUNOFF SHALL BE DIRECTED INTO TEMPORARY SEDIMENT SUMPS AND TREATED.

9. AT NO TIME DURING THE CONSTRUCTION EFFORT SHALL THERE BE ANY OPEN AND DISTURBED AREA GREATER THAN 5 ACRES WITHOUT SILT FENCE PERIMETER OF SET AREA.

10. AFTER ALL SITE WORK IS COMPLETED, INCLUDING THE SPREADING OF TOPSOIL AND SEEDING, THE CONTRACTOR SHALL CLEAN ANY SILT OR DEBRIS FROM ALL STORM DRAINAGE STRUCTURES AND

11. AT ALL TIMES DURING THE CONSTRUCTION EFFORT, THE CONTRACTOR SHALL HAVE AVAILABLE THE APPROPRIATE EQUIPMENT FOR WATER APPLICATION FOR THE PURPOSES OF ALLAYING DUST. APPLY WATER, SUITABLE MATERIALS, OR COVERS TO MATERIAL STOCKPILES AND OTHER SURFACES THAT CAN GIVE RISE TO AIRBORNE PARTICULATE MATTER. COVER, WHILE IN MOTION, OPEN-BODIED TRUCKS OR OPEN-BODIED TRAILERS. MINIMIZE THE VOLUME OF WATER SPRAYED FOR CONTROLLING DUST AS TO PREVENT THE RUNOFF OF WATER. NO DISCHARGE OF DUST CONTROL WATER SHALL CONTAIN OR CAUSE A VISIBLE OIL SHEEN, FLOATING SOLIDS, VISIBLE DISCOLORATION, OR FOAMING IN THE

12. THE DEVELOPER SHALL ENSURE THAT CONSTRUCTION ACTIVITIES COMPLY WITH THE NOISE ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.

13. THE CONTRACTOR SHALL EXCAVATE A PIT TO BE DESIGNATED AS A WASHOUT AREA FOR CONCRETE, PAINT, AND OTHER MATERIALS. THIS AREA SHALL BE CLEARLY FLAGGED AND CONSTRUCTED TO BE ENTIRELY SELF-CONTAINED. THIS AREA SHALL BE OUTSIDE OF ANY BUFFERS AND AT LEAST 50 FEET FROM ANY STREAM, WETLAND, OR OTHER SENSITIVE SOURCE. DUMPING OF LIQUID WASTES IN STORM SEWERS IS PROHIBITED. THE WASHOUT AREA SHALL BE INSPECTED AT LEAST ONCE A WEEK TO ENSURE STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY, AND TO CHECK FOR LEAKS AND OVERFLOWS. ACCUMULATED DEBRIS SHOULD BE REMOVED ONCE THE WASHOUT AREA REACHES HALF WAY FULL OR IS DEEMED NECESSARY TO AVOID OVERFLOWS. REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH PRACTICES DEVELOPED FOR THE WASTE DISPOSAL.

14. THE CONTRACTOR SHALL DESIGNATE A WASTE DISPOSAL AREA FOR TEMPORARY STORAGE OF MATERIALS TO BE REMOVED FROM THE SITE. THE DESIGNATED WASTE AREA SHALL BE SELECTED AS TO MINIMIZE TRUCK TRAVEL THROUGH THE SITE. THE AREA WILL NOT DRAIN DIRECTLY TO ADJACENT WETLANDS. PICKUPS SHALL BE SCHEDULED REGULARLY TO PREVENT THE CONTAINERS FROM OVERFILLING. SPILLS SHALL BE CLEANED UP IMMEDIATELY. DEFECTIVE CONTAINERS THAT MAY CAUSE LEAKS OR SPILLS WILL BE IDENTIFIED THROUGH REGULAR INSPECTION. ANY FOUND TO BE DEFECTIVE WILL BE REPAIRED OR REPLACED IMMEDIATELY. ANY STOCKPILING OF MATERIALS SHOULD BE CONFINED TO THE DESIGNATED AREA AS DEFINED BY THE CONTRACTOR.

> <u>PROJECT</u> CONTACT INFO

BLAKE BRANNON (860)290 - 9324 PROPERTY OWNER: MCGUIRE ROAD ASSOCIATES. LLC 111 FARM BROOK LANE SOUTH WINDSOR, CT 06074

APPLICANT: MCGUIRE ROAD ASSOCIATES, LLC 111 FARM BROOK LANE SOUTH WINDSOR, CT 06074

15. ALL CHEMICAL AND PETROLEUM PRODUCT CONTAINERS STORED ON THE SITE (EXCLUDING THOSE CONTAINED WITHIN VEHICLES AND EQUIPMENT) SHALL BE PROVIDED WITH IMPERMEABLE CONTAINMENT WHICH WILL HOLD AT LEAST 110% OF THE VOLUME OF THE LARGEST CONTAINER, OR 10% OF THE TOTAL VOLUME OF ALL CONTAINERS IN THE AREA, WHICHEVER IS LARGER, WITHOUT OVERFLOW FROM THE CONTAINMENT AREA. ALL CHEMICALS AND THEIR CONTAINERS SHALL BE STORED UNDER A ROOFED AREA EXCEPT FOR THOSE CHEMICALS STORED IN CONTAINERS OF 100 GALLON CAPACITY OR MORE, IN WHICH CASE A ROOF IS NOT REQUIRED. DOUBLE-WALLED TANKS SATISFY THIS REQUIREMENT.

16. CONTRACTOR SHALL COORDINATE WITH THE PROPER AGENCIES FOR RELOCATION OF ANY UTILITIES OR

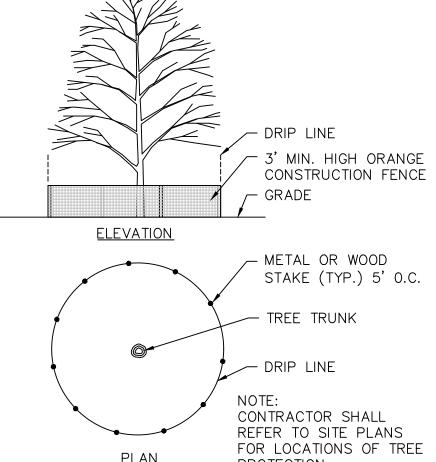
17. IF REQUIRED, AN APPROVED EROSION CONTROL BOND SHALL BE PREPARED BEFORE THE START OF ANY CONSTRUCTION ACTIVITY.

18. FROZEN MATERIAL SHALL NOT BE USED FOR FILL NOR SHALL FILL BE PLACED OR COMPACTED ON

ESTIMATED CONSTRUCTION START DATE - SPRING 2022 ESTIMATED COMPLETION DATE SUMMER 2022

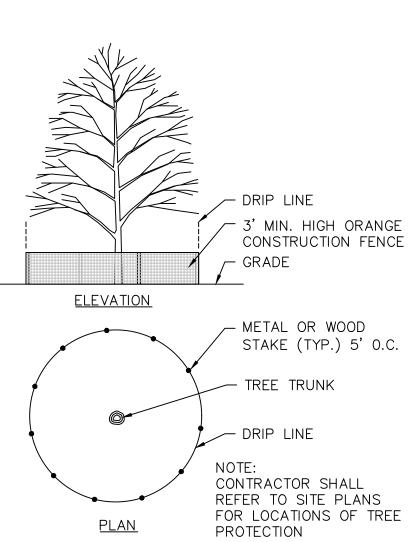
CONSTRUCTION DUST CONTROL NOTES

- IDENTIFY AND ADDRESS SOURCES OF DUST GENERATED BY CONSTRUCTION ACTIVITIES. LIMIT CONSTRUCTION TRAFFIC TO PREDETERMINED ROUTES. PAVED SURFACES REQUIRE MECHANICAL SWEEPERS TO REMOVE SOIL THAT HAS BEEN DEPOSITED OR TRACKED ONTO THE PAVEMENT. ON UNPAVED TRAVELWAYS AND TEMPORARY HAUL ROADS, USE ROAD CONSTRUCTION STABILIZATION MEASURES AND/OR WATER AS NEEDED TO KEEP SURFACE DAMP. STATIONARY SOURCES OF DUST, SUCH AS ROCK CRUSHERS, USE FINE WATER SPRAYS TO CONTROL DUST. IF WATER IS EXPECTED TO BE NEEDED FOR DUST CONTROL, IDENTIFY THE SOURCE OF WATER IN ADVANCE. PUMPING FROM STREAMS, POND AND SIMILAR WATERBODIES MAY REQUIRE APPROVAL FROM THE MUNICIPAL INLAND WETLAND AGENCY.
- IDENTIFY AND ADDRESS SOURCES OF WIND GENERATED DUST. PROVIDE SPECIAL CONSIDERATION TO HILL TOPS AND LONG REACHES OF OPEN GROUND WHERE SLOPES MAY BE EXPOSED TO HIGH WINDS. CONSIDER BREAKING UP LONG REACHES WITH TEMPORARY WINDBREAKS CONSTRUCTED FROM BRUSH PILES, GEOTEXTILE SILT FENCES OR HAY BALES. PLAN ON STABILIZING SLOPES EARLY. MULCH FOR SEED WILL REQUIRE ANCHORING WHEN USED.
- CONSIDER WATER QUALITY WHEN SELECTING THE METHOD AND/OR MATERIALS USED FOR DUST CONTROL. WHEN CONSIDERING THE USE OF CALCIUM CHLORIDE, BE AWARE OF THE FOLLOWING: THE RECEIVING SOIL'S PERMEABILITY SO AS TO PREVENT GROUNDWATER CONTAMINATION; THE TIMING OF THE APPLICATION TO RAINFALL TO PREVENT WASHING OF SALTS INTO SENSITIVE AREAS SUCH AS WETLANDS AND WATERCOURSES: AND PROXIMITY TO SENSITIVE AREAS SUCH AS WATERCOURSES. PONDS, ESTABLISHED OR SOON TO BE ESTABLISHED AREA OF PLANTINGS, WHERE SALTS COULD IMPAIR OR DESTROY PLANT AND ANIMAL LIFE. ADDITIONALLY, SOME MATERIALS USED FOR DUST CONTROL MAY BE RENDERED INEFFECTIVE BY DEGRADED WATER QUALITY IF IT IS USED FOR MIXING.
- CONSIDER USING DUST CONTROL MEASURES ONLY AFTER IT IS DETERMINED THAT OTHER MEASURES. FOR SOIL STABILIZATION CANNOT BE PRACTICALLY APPLIED.
- USE MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AS A RESULT OF TRUCK TRAFFIC, PAVEMENT SAW CUTTING SPILLAGE, AND WIND OR WATER DEPOSITION FROM ADJACENT DISTURBED AREAS. SWEEP DAILY IN HEAVILY TRAFFICKED AREAS.
- PERIODICALLY MOISTEN EXPOSED SOIL SURFACES ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAY
- NON-ASPHALTIC SOIL TACKIFIER CONSISTS OF AN EMULSIFIED LIQUID SOIL STABILIZER OF ORGANIC, INORGANIC OR MINERAL ORIGIN, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: MODIFIED RESINS, CALCIUM CHLORIDE, COMPLEX SURFACTANT, COPOLYMERS OR HIGH GRADE LATEX ACRYLICS. THE SOLUTIONS SHALL BE NONASPHALTIC, NONTOXIC TO HUMAN, ANIMAL AND PLANT LIFE, NONCORROSIVE AND NONFLAMMABLE. MATERIALS USED SHALL MEET LOCAL, STATE AND FEDERAL GUIDELINES FOR INTENDED USE. ALL MATERIALS ARE TO BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND ALL SAFETY GUIDELINES SHALL BE FOLLOWED IN STORING, HANDLING AND APPLYING MATERIALS.
- REPEAT APPLICATION OF DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.



TREE PROTECTION

N.T.S.



O

SHEET 3 OF 5

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5.B.B. CONTAINER STOCK SHALL NOT BE LOOSE IN THE CONTAINER.

AND RESIDENTIAL LANDSCAPE BUFFER AREAS. ALL AREAS DESIGNATED TO BE SEEDED SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL (EXCEPT INFILTRATION BASIN), SOIL AMENDMENTS AND MULCH. WATER AND MAINTAIN LAWN AREAS UNTIL ALL AREAS ARE STABILIZED AND ACCEPTED BY OWNER'S REPRESENTATIVE.

PLANTS: ALL PLANTS SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1

"AMERICAN STANDARD OF NURSERY STOCK." PROVIDE PLANTS TYPICAL OF THEIR SPECIES OR VARIETY WITH NORMAL, DENSELY-DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM INSECT PESTS, DISEASES, AND PHYSICAL INJURY. ALL PLANTS SHALL HÁVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES.

BALLED AND BURLAPPED PLANTS: DIG BALLED AND BURLAPPED PLANTS WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF PLANT, PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF 'HE "AMERICAN STANDARD FOR NURSERY S'TOCK". CRACKED OR MUSHROOMED BALLS ARE NOT ACCEPTABLE BARE-ROOT PLANTS: DUG WITH ADEQUATE FIBROUS ROOTS, COVERED WITH A UNIFORMLY THICK COATING OF MUD BY BEING PUDDLED IMMEDIATELY AFTER THEY ARE DUG, OR PACKED IN MOIST STRAW OR PEAT MOSS. CONTAINER-GROWTH STOCK: GROWN IN A CONTAINER FOR SUFFICIENT LENGTH OF TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED TO HOLD ITS SOIL TOGETHER, FIRM AND WHOLE. 5.B.A. CONTAINER STOCK SHALL NOT BE POT BOUND.

ALL PLANTS SHALL BE NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT, FOR AT LEAST ONE YEAR. CONTRACTOR RESPONSIBLE TO WARRANT PLANT MATERIAL TO REMAIN ALIVE AND BE HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF I YEAR AFTER FINAL ACCEPTANCE OF ENTIRE PROJECT INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY OWNER, ABUSE OR DAMAGE Y OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND CONTRACTOR'S CONTROL CONTRACTOR TO REMOVE AND REPLACE TREES, SHRUBS, OR OTHER PLANTS FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD AT CONTRACTOR'S EXPENSE. REPLACE TREES AND

SHRUBS WHICH ARE IN DOUBTFUL CONDITION AT END OF WARRANTY PERIOD, AND EXTEND WARRANTY PERIOD FOR AN ADDITIONAL GROWING SEASON FOR THE REPLACEMENT PLANTS. CONTRACTOR RESPONSIBLE FOR PLANTING UNDER FAVORABLE WEATHER CONDITIONS AND RECOMMENDED SEASON FOR PLANT SURVIVAL AND ESTABLISHMENT. AT OPTION OF, AND UNDER FULL RESPONSIBILITY OF CONTRACTOR, PLANTING OPERATIONS MAY BE CONDUCTED UNDER UNSEASONABLE CONDITIONS, BUT WITHOUT ADDITIONAL COMPENSATION. IF SPECIAL CONDITIONS EXIST TO REQUIRE PLANTING OUTSIDE THE ABOVE SPECIFIED DATES, THE CONTRACTOR SHALL SUBMIT IN WRITING FOR PERMISSION BY THE OWNER'S REPRESENTATIVE. ANY VARIANCE IN THE PLANTING SEASON WILL NOT AFFECT THE ONE YEAR PLANTING

DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY TO OWNER TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL SUBSTITUTION OF PLANTS WILL NOT BE PERMITTED UNLESS APPROVED IN WRITING BY THE OWNER.

ROOT TYPES MAY BE FREELY SUBSTITUTED IN THE CASE OF BALLED AND BURLAPPED, OR CONTAINER GROWN. ALL OTHER SPECIFICATIONS REMAINING UNCHANGED. BARE ROOT OR COLLECTED PLANTS ARE NOT

ACCEPTABLE AS SUBSTITUTES WITHOUT RECEIPT OF A CHANGE ORDER. PROVIDE A MINIMUM OF 12" OF PLANTING SOIL MIXTURE IN ALL PLANTING BEDS. PLANTING SOIL MIXTURE (BY VOLUME) SHALL BE EQUAL TO:

A. BARK MULCH/COMPOST 10%-12% B COARSE SAND 40-45% 45-50% PRIOR TO PLANTING, THE CONTRACTOR SHALL OBTAIN SOIL TEST FROM A CERTIFIED SOIL LABORATORY FOR ALL AREAS OF THE SITE WITH RECOMMENDATIONS FOR APPROPRIATE SOIL AMENDMENTS FOR THE TYPES OF

LIME SHALL BE PELLETIZED LIME MANUFACTURED TO MEET AGRICULTURAL STANDARDS AND CONTAIN A MAXIMUM OF 60% OXIDE. (I.E., CALCIUM OXIDE PLUS MAGNESIUM OXIDE). 12.B. FERTILIZER SHALL BE OF A FORMULA INDICATED BY THE SOIL TESTING TO ACHIEVE A MINIMUM OF ONE POUND OF NITROGEN PER 1000 S.F. OF LAWN AREA. FERTILIZER SHALL BE A MINIMUM OF 50% ORGANIC SLOW-RELEASE COMPOSITION

NO SOIL AMENDMENTS OR FERTILIZER SHALL BE USED FOR AREA DISTURBED WITHIN WETLANDS OR CREATED 12.D. CONTRACTOR TO HAVE FERTILIZER MATERIALS DELIVERED IN ORIGINAL, UNOPENED, AND UNDAMAGED CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. STORE IN MANNER TO PREVENT

WETTING AND DETERIORATION. DELAY MIXING FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS. DAYLILIES AND PERENNIALS SHALL BE INSTALLED AT 24" O.C., UNLESS NOTED OTHERWISE. APPLY 2" OF BARK MULCH, IN AREAS OF GROUND COVER AND PERENNIALS OR OWNER SELECTED ANNUALS. NO PLANT, EXCEPT GROUND COVERS, GRASSES, OR VINES, SHALL BE PLANTED LESS THAN TWO FEET FROM STRUCTURES, EDGE OF PAVEMENT, OR BACK OF CURB. TREES IN EXCESS OF 3" CALIPER SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO THE

SPECIFICATIONS AND APPROVAL OF LANDSCAPE ARCHITECT AT THEIR PLACE OF GROWTH AND UPON DELIVERY. WRITTEN REQUEST SHALL BE SUBMITTED 10 DAYS PRIOR. CONTRACTOR RESPONSIBLE TO SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED BY GOVERNMENTAL AUTHORITIES. LANDSCAPE MATERIALS TO BE SHIPPED WITH CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL AUTHORITIES. COMPLY WITH REGULATIONS APPLICABLE TO LANDSCAPE MATERIALS AND CONTRACTOR TO SUBMIT MANUFACTURER'S OR VENDOR'S CERTIFIED ANALYSIS FOR FERTILIZER MATERIALS.

MOVING AND STORAGE OF PLANT MATERIALS: CONTRACTOR TO TAKE ALL PRECAUTIONS CUSTOMARY IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. WORKMANSHIP THAT FAILS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED SPRAY DECIDUOUS PLANTS IN FOLIAGE WITH AN APPROVED ANTITRANSPIRANT IMMEDIATELY AFTER DIGGING O PREVENT DEHYDRATION. 17.B. LEGIBLY TAG PLANTS WITH BOTANICAL NAME AND SIZE IN ACCORDANCE WITH THE STANDARDS OF PRACTICE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. FULLY PRÓTECT PLANTS FROM DAMAGE BY SUN, WIND, DROUGHT, WATER AND OTHER INJURIOUS CONDITIONS DURING TRANSPORTATION TO SITE AND DURING TEMPORARY STORAGE BEFORE PLANTING INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK AND ON ARRIVAL. THE CERTIFICATE SHALL BE FILED WITH THE OWNER.

NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT COULD DAMAGE OR BREAK THE A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF SIZES, QUANTITIES, AND OTHER REQUIREMENTS IS SHOWN ON THE DRAWINGS. IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE PLANTING PLANS SHALL GOVERN.

CCEPTABLE, AT NO ADDITIONAL COST AND PROVIDING THE LARGER PLANTS WILL NOT BE CUT BACK TO THE SIZE INDICATED ON THE DRAWINGS. THE HEIGHT OF THE TREE, MEASURED FROM THE CROWN OF THE ROOTS TO THE AVERAGE HEIGHT OF THE TOP OF THE TREE, SHALL NOT BE LESS THAN THE MINIMUM SIZE DESIGNATED IN THE PLANT LIST SHRUBS AND SMALL PLANTS SHALL MEET THE REQUIREMENTS FOR SPREAD AND HEIGHT INDICATED IN THE

NO PRUNING WOUNDS SHALL BE PRESENT WITH A DIAMETER OF MORE THAN I INCH AND SUCH WOUNDS MUST SHOW VIGOROUS BARK ON ALL EDGES. ANTITRANSPIRANT: PROVIDE PROTECTIVE FILM EMULSION PROVIDING A PROTECTIVE FILM OVER PLANT SURFACES; PERMEABLE TO PERMIT TRANSPIRATION. MIXED AND APPLIED IN ACCORDANCE WITH

MANUFACTURER'S INSTRUCTIONS WATER IS TO BE SUPPLIED FOR PLANTS THAT IS CLEAN, FREE FROM TOXIC AMOUNTS OF SALT, OIL, ACID ALKALI, ORGANIC MATTER OR OTHER SUBSTANCES HARMFUL TO PLANTS. CONTRACTOR TO PRUNE AND REPAIR PLANTS AS FOLLOWS

25.A. REMOVE OR CUT BACK, BROKEN, DAMAGED, AND UNSYMMETRICAL GROWTH OF NEW WOOD. 25.B. MULTIPLE LEADER PLANTS: PRESERVE THE CENTRAL LEADER WHICH WILL BEST PROMOTE THE SYMMETRY OF THE PLANT. CUT BRANCHES FLUSH AT THE BRANCH COLLAR WITH THE TRUNK OR MAIN BRANCH. PRUNE NEEDLE-LEAF EVERGREEN TREES ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES 25.D. ALL TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7 FEET ABOVE FINISH GRADE.

MULCH TO BE APPLIED AS FOLLOWS: 26.A. AREAS TO RECEIVE MULCH: ALL PLANT BEDS AND OTHER AREAS AS DESIGNATED ON DRAWINGS SHALL BE 26.B. PLACEMENT: PLACE MULCH TO REQUIRED UNIFORM DEPTH SOON AFTER PLANTING TO PREVENT DRYING OF

PLANTING SOIL AROUND ROOTS. DO NOT PLACE MULCH WITHIN 3" OF TREE TRUNKS. 26.C. APPLY BARK MULCH TO A UNIFORM DEPTH OF 2 INCHES. 26.D. MULCH SHALL BE 6 MONTHS OLD, WELL-ROTTED, SHREDDED, NATIVE HARDWOOD BARK, NOT LARGER THAN 4" IN LENGTH AND 1/2" IN WIDTH, FREE OF WOOD CHIPS AND SAWDUST. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIALS

. MAINTAIN PLANTINGS UNTIL FINAL ACCEPTANCE OF WORK. 27.B. MAINTENANCE SHALL INCLUDE PRUNING, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE. 27.C. RESET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT MATERIAL AND REMOVE DEAD MATERIAL

27.D. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT. 27.E. WATER PLANTINGS IN A SATISFACTORY MANNER DURING AND IMMEDIATELY FOLLOWING PLANTING, TWICE PER WEEK, OR LESS UNDER WET CONDITIONS, UNTIL ACCEPTANCE BY OWNER. PROVIDE ADDITIONAL WATERING

DURING EXCESSIVE DRY PERIODS DURING THE MAINTENANCE PERIOD AS DIRECTED BY THE OWNER.

REPLACEMENT OF PLANTS: ANY PLANTS TO BE REPLACED PRIOR TO ACCEPTANCE OF WORK, OR UNDER TERMS OF GUARANTY SHALL BE INSTALLED FOLLOWING PROCEDURES SET FORTH ABOVE. LANDSCAPE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL

BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG 1-800-922-4455 AT LEAST TWO FULL WORKING DAYS PRIOR TO INSTALLATION.

LANDSCAPE CONTRACTOR SHALL PROVIDE FINE GRADING WORK FOR THE ENTIRE PROJECT. THIS WILL INCLUDE

LANDSCAPE CONTRACTOR TO REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS FROM SITE PER CONSTRUCTION SITE IS TO BE IN A CLEAN, ORDERLY CONDITION AT ALL TIMES ALL REQUIRED PERMITS ARE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR

ALL AREAS TO BE GRASSED OR LANDSCAPED. GRADING MUST PROVIDE PROPER POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND NOT LEAVE ANY POCKETS WHERE STANDING WATER MAY COLLECT. 34.A. TOPSOIL SHALL NOT BE SPREAD UNDER FROZEN OR MUDDY CONDITIONS. THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

SEEDING NOTES:

MAINTENANCE PERIOD.

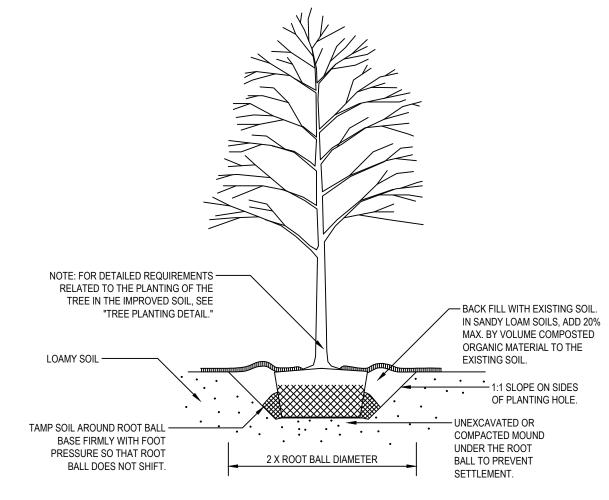
SEEDING MIXTURE TYPE III (INFILTRATION BASIN, BERM AND LAWN AREAS) THREE-WAY TALL FESCUE MIX - ERNMX - 136 BY Ernst Conservation Seeds, 9006 Mercer Pike, Meadville, PA 16335 (800) 873-3321 APPLICATION RATE: 7 LBS PER 1,000 S.F.

ALL CONSTRUCTION EQUIPMENT UTILIZED IN THE INFILTRATION BASINS SHALL MINIMIZE COMPACTION AS MUCH FLOOR OF INFILTRATION BASINS SHALL <u>NOT</u> RECEIVE TOPSOIL TO PROMOTE INFILTRATION.
INFILTRATION BASINS SHALL BE MOWED BETWEEN NOVEMBER I AND MARCH I, NO MORE THAN TWICE PER YEAR. CLIPPINGS SHOULD ONLY BE REMOVED IF IMPACTING INFILTRATION FUNCTION. AFTER TWO YEARS OF MAINTENANCE INFILTRATION RESULTS SHALL BE PRESENTED TO TOWN STAFF, AT WHICH POINT MORE REGULAR

MOWING MAY BE BEGIN IF INFILTRATION IS NOT FUNCTIONING AS EXPECTED.

SEEDING OF BASIN SLOPES (SEEDING MIXTURE TYPE III) SHALL BE BY HYDROSEEDING AND HYDRO-MULCHING. ADD AN ADDITIONAL 15% TO SEEDING MIXTURE WHEN HYDRO-SEEDING IS USED. HYDROMULCH SHALL BE EQUAL CONWED 2000 AND APPLIED AT THE RATE OF 1,400LBS. PER ACRE. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SEEDED AREAS UNTIL SATISFACTORY GROWTH AS DETERMINED BY THE OWNER. REPLANT BARE AND REPAIR ERODED AREAS UNTIL END OF

LANDSCAPE PLANTING SCHEDULE KEY | QTY BOTANICAL NAME COMMON NAME SIZE TYPE NOTES EVERGREEN TREES ABBA 19 6'-8' ht. | B&B | PLANT AS SHOWN Abies balsamea Balsam Fir ABCO 54 White Fir PLANT AS SHOWN Abies concolor 6'-8' ht. B&B PIGL 34 Picea glauca White Spruce B&B PLANT AS SHOWN 6'-8' ht. PIST Pinus strobus Eastern White Pine 6'-8' ht. PLANT AS SHOWN



BETWEEN 15 TO 27%: LOAM, SANDY LOAM AND SILT LOAM. NOTE THAT SOILS AT THE OUTER LIMITS OF THE LOAM CLASSIFICATIONS MAY PRESENT SPECIAL PLANTING PLANTING PROBLEMS NOT ANTICIPATED BY THIS DETAIL

LOAMY SOILS ARE DEFINED AS GRANULAR OR BLOCKY FRIABLE SOILS, A MIXTURE OF SAND, SILT AND CLAY PARTICLES WITH A MINIMUM OF 1.5% BY DRY WEIGHT ORGANIC MATTER. THE SOIL MUST NOT BE SO COMPACTED AS TO IMPEDE ROOT GROWTH OR DRAINAGE. THE SOIL STRUCTURE SHALL NOT BE PLATY OR MASSIVE. THE SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH, AND NUTRIENT VALUES PRIOR TO DETERMINING PLANT SELECTIONS AND ANY ADDITIONAL SOIL IMPROVEMENTS.

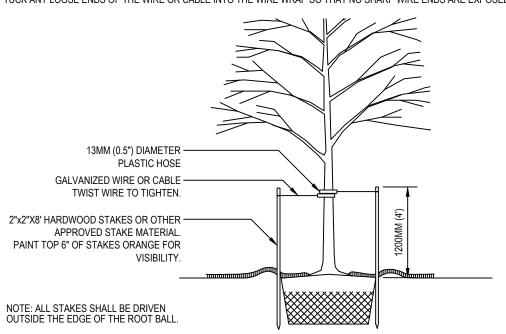
FOR TREES PLANTED IN NON-RESTRICTED SOIL CONDITIONS THIS DETAIL ASSUMES THAT THE AREA OF LOAMY SOIL AVAILABLE TO EACH TREE IS A MINIMUM OF

SOIL IMPROVEMENT DETAIL

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS: TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE TREES 65 MM (2.5 IN.) TO 75 MM (3 IN.) CALIPER - 12 GAUGE

TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT, PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 35MM (1.5 IN.) OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE. TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.

Not to Scale



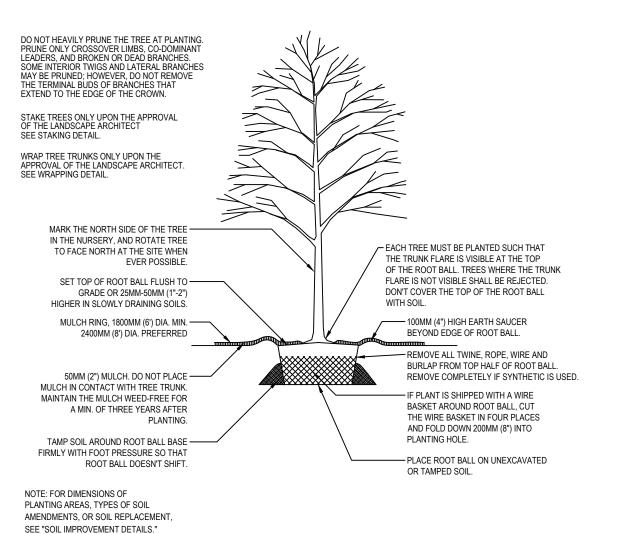
ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).

REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST

TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT o TREES WITH POOR QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE. o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. REJECT RATHER THAN STAKE. o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE

o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING. o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE. o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

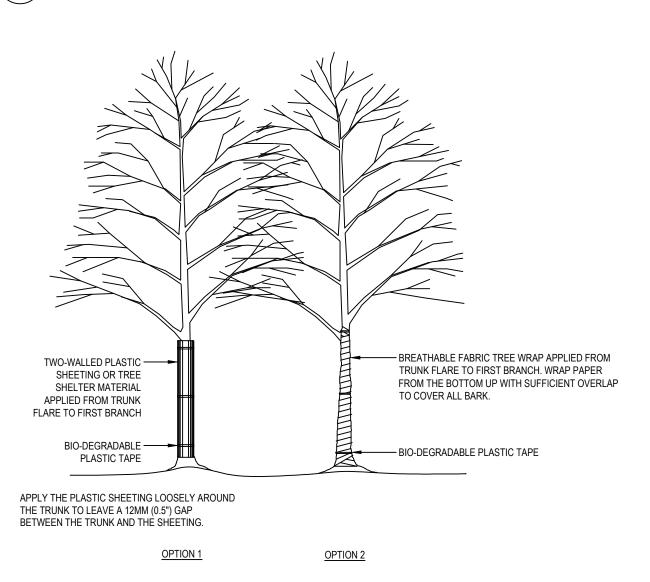
TREE STAKING DETAIL (3" CAL. OR SMALLER)



NO MULCH WITHIN 3" OF TREE TRUNK THIS DETAIL ASSUMES THAT THE PLANTING SPACE IS LARGER THAN 2400 MM (8 FT.) SQUARE, OPEN TO THE SKY, AND NOT COVERED BY ANY PAVING OR

TREE PLANTING DETAIL

Not to Scale



TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND BE REMOVED WHEN DIRECTED BY THE LANDSCAPE ARCHITECT, BUT NO LATER THAN 12 MONTHS AFTER PLANTING.

TREES WHOSE NORTH ORIENTATION IS NOT CHANGED FROM THE NURSERY DO NOT NEED TO BE WRAPPED EXCEPT TREES WITH VERY THIN BARK, SUCH AS RED MAPLE, SHOULD BE WRAPPED IF APPROVED BY THE LANDSCAPE ARCHITECT.

REE WRAPPING DETAII

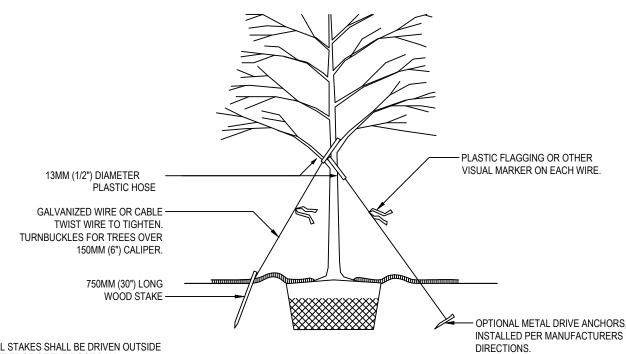
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TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.

INSTALL THREE GUY WIRES PER TREE, SPACED EVENLY AROUND THE TRUNK.



ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.

ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).

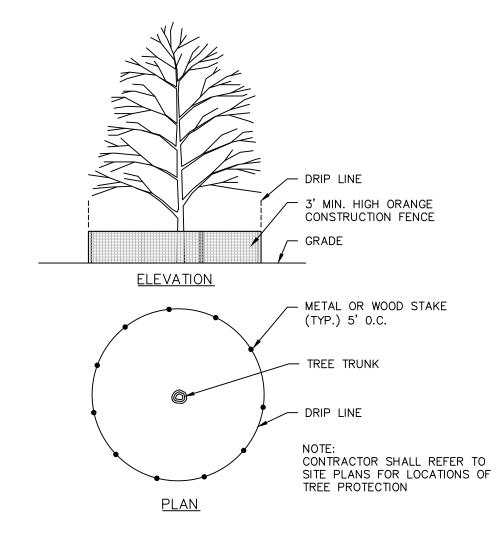
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TREE STAKING DETAIL (LARGER THAN 3" CAL.)



PROPERTY OWNER: MCGUIRE ROAD ASSOCIATES, LLC 111 FARM BROOK LANE SOUTH WINDSOR, CT 06074

APPLICANT: MCGUIRE ROAD ASSOCIATES, LLC 111 FARM BROOK LANE SOUTH WINDSOR, CT 06074

REE PROTECTION DETAIL Not to Scale

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