





## TREE SAMPLING DATA

ATTENDEES: DANIEL MALLACH, JOSEPH M. ESTOCK, ANTHONY C. BRANCA

STATEMENT OF WOODLAND CONDITION: REMARKABLY POOR QUALITY WOODLAND, WITH A HIGH PERCENTAGE OF INVASIVE PEAR AND NORWAY MAPLE TREES, AND ASH TREES WITH EMERALD ASH BORER INFESTATION. THE SITE IS RIFE WITH INVASIVE UNDERSTORY AND VINING PLANTS AS WELL — MULTIFLORA ROSE, HONEYSUCKLE, PORCELAINBERRY (WILD GRAPE), WINEBERRY (ASIAN RASPBERRY WOODLAND RECOMMENDATION: FOR THE OPEN SPACE TO BE SAFE AND USEFUL TO FUTURE RESIDENTS, SOME TARGETED CLEARING OF AT LEAST THE INVASIVE UNDERSTORY AND THE INVASIVE

GENERAL NOTES

TREES WOULD BE APPROPRIATE

SAMPLE AREA: 30,000 SF (3 AREAS @ 10,000 SF EACH)
SEE NATURAL RESOURCES PLAN (EXISTRING FEATURES SHEET 2 OF 12 FOR LOCATIONS)

EXISTING WOODLAND AREA: 6.9 ACRES WOODLAND AREA REMOVED: 4.7 ACRES

CAREFULLY PROPORTIONING SEED FOR THE ENTIRE AREA, BROADCAST SEED IN TWO SEPARATE APPLICATIONS BY APPLYING SEED AT HALF THE SUGGESTED RATE FOR EACH APPLICATION TO ENSURE EVEN AND ADEQUATE COVERAGE. AFTER THE FULL RATE OF SEEDING HAS BEEN ACHIEVED, FOLLOW BY ROLLING OR TRACKING SEED INTO THE TOP 1/2, INCH OF SOIL TO ACHIEVE GOOD SEED TO SOIL CONTACT. DO NOT ROLL OR TRACK THE SEED IF SOIL IS WET. COVER WITH A LIGHT LAYER OF SALT HAY.

BASIN SEEDING NOTES

ELIMINATE ANY WEED GROWTH PRIOR TO SEED INSTALLATION USING AN APPROPRIATE HERBICIDE TO CONTROL UNDESIRABLE VEGETATION. SUPPLEMENT TOPSOIL WITH LEAF COMPOST MIXED THOROUGHLY INTO THE TOP 8 INCHES OF SOIL. FOR OPTIMAL SEED ESTABLISHMENT, SOIL PH

SEED SHALL BE INSTALLED AS SOON AS PERMANENT BASIN CONSTRUCTION IS COMPLETE.

SITE PREPARATION:

SEEDING APPLICATION:

SHALL BE BETWEEN 5.5 AND 6.5.

DURING THE FIRST YEAR, WHENEVER THE VEGETATION REACHES 12 TO 18 INCHES TALL, IT SHOULD BE MOWED TO NO LESS THAN 8 INCHES BY ROTARY MOWER OR WEED EATER/LINE TRIMMER TO PREVENT WEEDS FROM GOING TO SEED. DO NOT MOW WITH A LAWN MOWER. THEREAFTER, THE SEEDED AREA SHOULD BE MOWN TO THE GROUND ONCE ANNUALLY IN EARLY

THE FOLLOWING SEED MIX IS TO BE INSTALLED IN AREAS ON THE PLAN NOTED AS BASIN BOTTOM

BOTANICAL NAME PERCENT (%) OF MIX BY BOTANICAL NAME PERCENT (%) OF MIX ANICUM CLANDESTINUM CAREX VULPINOIDEA ELYMUS VIRGINICUS SCIRPUS CYPERINUS ASTER NOVAE-ANGLIAE ASTER PRENANTHOIDES CAREX LURIDA CAREX SCOPARIA CAREX LUPULINA ASTER PUNICEUS
EUPATORIUM FISTULOSUM UPATORIUM PERFOLIATUM HELENIUM AUTUMNALE LOBELIA SIPHILITICA SCIRPUS ATROVIRENS AGROSTIS PERENNAN CAREX INTUMESCENS

HE ABOVE SEED MIX SHALL BE INSTALLED AT THE RATE OF 20 LBS/ACRE. TO REDUCE SOIL COMPACTION AND IMPROVE INFILTRATION OF SLOW DRAINING BASINS DAIKON TYPE FORAGE VARIETY RADISH SHALL BE PLANTED AT BASIN BOTTOM.

## BASIN SIDE SLOPE SEED MIX

SEED MIX IS AVAILABLE FROM ERNST CONSERVATION SEEDS, MEADVILLE, PA, 1-800-373-3321,

THE FOLLOWING SEED MIX IS TO BE INSTALLED IN AREAS ON THE PLAN NOTED AS BASIN SIDE SLOPE SEED MIX. PERCENT (%) OF MIX BY WEIGHT BOTANICAL NAME PANICUM VIRGATUM

PANICUM CLANDESTINUM CAREX VULPINOIDEA ELYMUS VIRGINICUS

JUNCUS EFFUSUS

THE ABOVE SEED MIX SHALL BE INSTALLED AT THE RATE OF 20 LBS/ ACRE, OR  $\frac{1}{3}$  LBS TO  $\frac{1}{2}$  LBS PER 1000 SQ. FT.

SEED MIX IS AVAILABLE FROM ERNST CONSERVATION SEEDS, MEADVILLE, PA, 1-800-373-3321,

PERCENT (%) OF MIX BOTANICAL NAME BY WEIGHT PERCENT (%) OF M BY WEIGHT BOTANICAL NAME CHIZACHYRIUM SCOPARIUM BAPTISIA AUSTRALIS CAREX SCOPARIA ELYMUS VIRGINICUS EUPATORIUM COELESTINUM PYCNANTHEMUM TENUIFOLIUM ASMANTHIUM LATIFOLIUM HAMAECRISTA FASCICULATA SENNA HEBECARPA ECHINACEA PURPUREA COREOPSIS LANCEOLATA TRADESCANTIA OHIENSIS ZIZIA AUREA RUDBECKIA HIRTA GEUM CANADENSE HELIOPSIS HELIANTHOIDES AGROSTIS PERENNANS ASTER LAEVIS
ASTER NOVAE-ANGLIAE VERBENA HASTATA ASCLEPIAS INCARNATA HELENIUM AUTUMNALE ASTER UMBELLATUS JUNCUS EFFUSUS LIATRIS SPICATA NICUM SPHAERONCARPOR SOLIDAGO PATULA PENSTEMON DIGITALIS VERONICASTRUM VIRGINICUM

THE ABOVE SEED MIX SHALL BE INSTALLED AT THE RATE OF 20 LBS/ACRE WITH A COVER CROP SEED MIX IS AVAILABLE FROM ERNST CONSERVATION SEEDS, MEADVILLE, PA, 1-800-373-3321, WWW.ERNSTSEED.COM.

### MRC AMENDED SOILS

PERCENT (%) OF MIX BY WEIGHT CONSTRUCTION SAND (AASHTO 50-60% M-6 OR ASTM C-33) TOPSOIL W/ <5% CLAY & <5% 20-30% 20-30%

30 MIL IMPERMEABLE LINER AND 1" OF THE ABOVE SHALL BE INSTALLED IN THE BOTTOM OF EACH RAIN GARDEN WITH MRC. THEN THE UNDERDRAIN AND GRAVEL ENVELOPE SHALL BE INSTALLED. THEN THE ABOVE SHALL BE INSTALLED TO 2" BELOW THE LEVEL OF THE LOWEST ORIFICE AND GRADE EDGES TO SIDE SLOPES OF THE BERM. 2" OF PLANTING SOIL MIX SHALL BE INSTALLED ON TOP

## SOILS DATA

OILS DATA OBTAINED FROM A SOIL SURVEY OF MONTGOMERY COUNTY, PENNSYLVANIA,

Rea (SOIL RATING C) — READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES

LIMITATIONS — MODERATE CORROSION OF CONCRETE, HIGH CORROSION OF STEEL, DEPTH TO SATURATED ZONE, DEPTH TO BEDROCK, PONDING.

UusB (SOIL RATING N/A) -URBAN LAND-UDORTHENTS, HALE AND SANDSTONE COMPLEX, 0 TO 8 <u>LIMITATIONS</u> - N/A

CORROSION OF CONCRETE/STEEL - CONCRETE/STEEL MAY NEED TO BE WRAPPED IN CORROSION

# MAINTENANCE NOTES

SURFACE WATERS

Fairview Village:

UNT SKIPPACK CREEK

POST CONSTRUCTION STORMWATER MANAGEMENT: A. BEST MANAGEMENT PRACTICES (BMP)

THE BMP'S SHALL BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION (HOA) IN PERPETUITY. THE MAINTENANCE WILL BE CONDUCTED ON A SHORT TERM AND LONG TERM SCHEDULE BY THE OWNER.

STORMWATER QUALITY HAS BEEN ADDRESSED WITH SEVERAL DEVICES. NATURALIZED SWALES, CONTAINING HIGH GRASSES, ARE UTILIZED TO CONVEY RUN-OFF TO THE STORMWATER MANAGEMENT AREA TO HELP IMPROVE WATER QUALITY PRIOR TO REACHING THE RAIN GARDEN. RAIN GARDENS HAVE BEEN UTILIZED TO HELP TREAT THE COLLECTED RUN-OFF PRIOR TO DISCHARGING TO THE EXISTING WETLANDS.

ALTHOUGH THERE ARE NO KNOWN PROJECT WASTES FOR THIS SITE, INDIVIDUALS RESPONSIBLE FOR EARTH DISTURBANCE ACTIVITIES MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN

OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE CHAPTER 260, \$260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BUILDING ON THE SITE BURIED, OR DISCHARGED ON THE SITE ALL OFF SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE

. MAINTENANCE

### RAIN GARDENS WITH MRCS: SHORT TERM MAINTENANCE:

N. INSPECT BMP'S AFTER MAJOR STORM EVENTS (EXCESS OF THE 2YR/24 HR STORM (> 3.24 IN)) FOR DAMAGE AND/OR EROSION ACTIVITY — REPAIR EROSION WITH THE APPROPRIATE MEASURES IMMEDIATELY.

B. INSPECT RAIN GARDENS ON A MONTHLY BASIS DURING THE GROWING SEASON FOR THE FIRST TWO YEARS TO EVALUATE PLANT ESTABLISHMENT AND MORTALITY — REPLACE DEAD PLANTS WITH SAME OR LIKE PLANTS ABLE TO ESTABLISH IN THE CULTURAL CONDITIONS PRESENT. IF NECESSARY, REPLACE PLANTS WITH A DIFFERENT SPECIES SUITABLE TO ANY MICROCLIMATIC EFFECTS THAT MIGHT DEVELOP.

C. DURING THE FIRST YEAR, WHENEVER THE SEEDED AREA OF THE RAIN GARDEN REACHES 12 TO 18 INCHES TALL IT SHOULD BE MOWED TO NO LESS THAN EIGHT INCHES BY ROTARY MOWER OR LINE TRIMMER TO PREVENT WEEDS FROM GOING TO SEED.

D. WHILE VEGETATION IS BEING ESTABLISHED IN RAIN GARDENS, PRUNING MAY BE REQUIRED. E. IF DRAWDOWN TIMES EXCEED 72 HOURS DRAIN THE RAIN GARDEN WITH MRC VIA PUMPING AND CLEAN OUT PERFORATED PIPING. IF SLOW DRAINAGE PERSISTS THE SYSTEM MAY NEED REPLACING.

## LONG TERM MAINTENANCE:

F. EVERY YEAR FOR THE RAIN GARDEN DETRITUS MAY NEED TO BE REMOVED AND PERENNIAL SHOULD BE INSPECTED TWO TIMES PER YEAR FOR SEDIMENT BUILDUP, EROSION, AND VEGETATION CONDITIONS. TREES AND SHRUBS SHOULD BE INSPECTED TWICE PER YEAR TO EVALUATE HEALTH. DURING PERIODS OF EXTENDED DROUGHT THE RAIN GARDEN MAY NEED WATERING. MULCH SHOULD BE RE-SPREAD AND REPLENISHED AS NEEDED.

G. EVERY TWO TO THREE YEARS THE ENTIRE RAIN GARDEN MAY REQUIRE MULCH REPLACEMENT I. INSPECT MRCS AT LEAST TWICE A YEAR AFTER RUNOFF EVENTS GREATER THEN 0.8 INCH AND

I. INSPECT MRCS AT LEAST TWICE A YEAR FOR SEDIMENT ACCUMULATION, DAMAGE TO STRUCTURES, EROSION, AND CONTAMINATION. VEGETATION SHOULD BE MAINTAINED IN GOOD

CONDITION, AVOID EXCESSIVE COMPACTION BY MOWING. J. REMOVE LEAF LITTER ANNUALLY. REMOVE SEDIMENT AS REQUIRED TO MAINTAIN INFILTRATION AND FUNCTION.

K. THE INLETS SHOULD BE INSPECTED AT LEAST 2 TIMES PER YEAR. THE VEGETATION ALONG THE SURFACE HOULD BE MAINTAINED IN GOOD CONDITION. . IF DRAWDOWN TIMES EXCEED 72 HOURS DRAIN THE RAIN GARDEN WITH MRC VIA PUMPING AND CLEAN OUT PERFORATED PIPING. IF SLOW DRAINAGE PERSISTS THE SYSTEM MAY NEED

## VEGETATED SWALES:

A. INSPECT BMP'S AFTER MAJOR STORM EVENTS FOR DAMAGE AND/OR EROSION ACTIVITY -REPAIR EROSION WITH THE APPROPRIATE MEASURES IMMEDIATELY.

B. INSPECT WALES ON A MONTHLY BASIS DURING THE GROWING SEASON FOR THE FIRST TWO YEARS TO EVALUATE PLANT ESTABLISHMENT AND MORTALITY — REPLACE DEAD PLANTS WITH SAME OR LIKE PLANTS ABLE TO ESTABLISH IN THE CULTURAL CONDITIONS PRESENT. IF NECESSARY, REPLACE PLANTS WITH A DIFFERENT SPECIES SUITABLE TO ANY MICROCLIMATIC EFFECTS THAT MIGHT DEVELOP.

C. DURING THE FIRST YEAR, WHENEVER THE SEEDED AREA OF THE SWALES REACHES 12 TO 18 INCHES TALL IT SHOULD BE MOWED TO NO LESS THAN EIGHT INCHES BY ROTARY MOWER OR LINE TRIMMER TO PREVENT WEEDS FROM GOING TO SEED. D. D. WHILE VEGETATION IS BEING ESTABLISHED IN VEGETATED SWALES, PRUNING MAY BE

## LONG TERM MAINTENANCE:

TOTAL TREES PROPOSED:

E. EVERY YEAR FOR THE NATURALIZED SWALE AREAS — PERFORM ROUTINE ANNUAL MAINTENANCE: CUT BACK DEAD HERBACEOUS FOLIAGE IN LATE FALL OR EARLY SPRING (DEPENDING UPON A PLANTS ABILITY TO PROVIDE WINTER INTEREST AND ITS BENEFIT TO WILDLIFE), REMOVE UNDESIRABLE (WEEDS) OR INVASIVE PLANTS THAT SELF SEED INTO THE AREA AND REPLACE DISPLACED OR DECÓMPOSED MULCH.

F. EVERY YEAR FOR THE VEGETATED SWALE AREAS — INSPECT SWALE IMMEDIATELY AFTER SPRING MELT, REMOVE RESIDUALS, AND REPLACE DAMAGED VEGETATION. MOW AND TRIM VEGETATION TO ENSURE PROPER SWALE OPERATION, MOW ONLY WHEN SWALE IS DRY TO AVOID RUTTING. PRIOR TO MOWING INSPECT THE SWALE FOR LITTER AND REMOVE. INSPECTION. THE SWALE FOR UNIFORMITY IN CROSS SECTION AND LONGITUDINAL SLOPE. CORRECT AS NEEDED. INSPECT VEGETATION ON SIDE SLOPES FOR EROSION, CORRECT AS NEEDED. DURING PERIODS OF EXTENDED DROUGHT THE RAIN GARDEN MAY NEED WATERING.

REQUIREMENTS FOR SHADE TREE PLANTINGS ARE PER SECTION 123-52 OF THE LOWER PROVIDENCE TOWNSHIP S.A.L.D.O. PER SAID ORDINANCE, (1) SHADE TREES SHALL BE PLANTED ALONG BOTH SIDES OF EXISTING AND NEW STREETS AT INTERVALS NO LESS THAN 40 FEET AND NO MORE THAN 50 FFFT.

PROPOSED PLANT SPECIES	BOTANICAL NAME	MIN. PLANTING SIZE	NOTES	PROPOSED PLANTINGS
EVERGREEN TREES				
CC - AMERICAN HORNBEAM	CARPINUS CAROLINIANA	2-1/2 INCH CALIPER	B & B	8
BN — RIVER BIRCH	BETULA NIGRA	2-1/2 INCH CALIPER	B & B	8
NS — BLACK TUPELO	NYSSA SYLVATICA	2-1/2 INCH CALIPER	B & B	8
OV — EASTERN HOPHORNBEAM	OSTRYA VIRGINIANA	2-1/2 INCH CALIPER	B & B	8
LS - FRUITLESS SWEETGUM	LIQUIDAMABAR STYRACIFLUA	2-1/2 INCH CALIPER	B & B	8
TC – LITTLELEAF LINDEN	TILIA CORDATA	2-1/2 INCH CALIPER	B & B	8
PO - AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	2-1/2 INCH CALIPER	B & B	8
AR — RED MAPLE	ACER RUBRUM	2-1/2 INCH CALIPER	B & B	8
PROPOSED PLANT SPECIES	BOTANICAL NAME	MIN. PLANTING SIZE	NOTES	PROPOSED PLANTINGS

REPLACEMENT TREES

REQUIREMENTS FOR STREET TREE PLANTINGS ARE PER SECTION 123-114.B.(6) OF THE LOWER PROVIDENCE TOWNSHIP S.A.L.D.O. SEE TREE SAMPLING DATA ON THIS SHEET

PROPOSED PLANT SPECIES	BOTANICAL NAME	MIN. PLANTING SIZE	NOTES	PROPOSED PLANTINGS
QB - SWAMP WHITE OAK	QUERCUS BICOLOR	2-1/2 INCH CALIPER	B & B	6
QP — PIN OAK	QUERCUS PALUSTRIS	2-1/2 INCH CALIPER	B & B	8
			TOTAL TREES PROPOS	SED: 14

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EVERGREEN TREES				•
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QB — SWAMP WHITE OAK	QUERCUS BICOLOR	2-1/2 INCH CALIPER	B & B	6
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			TOTAL TREES PROPOS	ED: 14

MOST BE COVERED FOR PROTECTION DURING TRANSPORTATION. STOCK SHALL BE BOUND TO PROTECT BRANCHES, BARK, AND OVERALL SHAPE DURING TRANSPORT. ANY BALLED AND BURLAPPED STOCK MUST BE FRESHLY DUG UNLESS OTHERWISE APPROVED. STOCK MUST NOT BE DROPPED. STOCK MUST BE DELIVERED ONLY AFTER SOIL HAS BEEN PREPARED. HARVEST SCHEDULING WITH DELIVERY IN QUANTITIES SUITABLE TIMED FOR IMMEDIATE PLANTING UPON ARRIVAL. IF PLANTING CANNOT BE SEIDEL PLANNING & DESIGN, LTD. DOES NOT GUARANTEE THE ACCURACY OF THE

DEGLAZE SIDES AND LOOSEN BOTTOM. MINIMUM DIMENSIONS FOR INDIVIDUAL PITS:

-BALL OR ROOT SPREADS OVER 4 FEET: ROOT BALL DIA. PLUS EIGHTEEN (18")

BALLED AND BURLAPPED STOCK - SET PLANTS IN EXCAVATION WITH TOP OF BALL

BURLAP ON BOTTOM OF BALL. PLACE BACKFILL IN 3 TO 4 INCH THICK LAYERS.
WORK EACH LAYER BY HAND TO COMPACT BACKFILL AND ELIMINATE VOIDS. MAINTAIN

PLUMB DURING BACKFILLING. WHEN BACKFILLING IS APPROXIMATELY 2/3 COMPLETE, SATURATE BACKFILL WITH WATER AND REPEAT UNTIL SUITABLE FILLED AND

BASIN SAUCERS, AS INDICATED ON THE PLANS, AND WATER STOCK. CONTAINER –

GROWN PLANT — IMMEDIATELY BEFORE PLACING, REMOVE CONTAINER, OR CAN. SET AND PLUMB PLANTS. PLACE INITIAL BACKFILL AND REMOVE SIDES OF CONTAINER, TAKING CARE TO AVOID DAMAGE TO ROOT SYSTEM.

O MATCH ADJACENT FINISHED GRADE. ADD SOIL AS REQUIRED UNDER BALL TO

ACHIEVE PLUMB. REMOVE BURLAP FROM TOP AND TOP 1/3 OF BALL; RETAIN

-BALL OR ROOT SPREADS UP TO 2 FEET: 1-1/2 TIME ROOT SPREAD.

-BALL OR ROOT SPREADS 2 TO 4 FEET: 1-1/2 TIME ROOTSPREAD.

PLANTING TREES AND SHRUBS:

ACCOMPLISHED IMMEDIATELY, PROVIDE SHADE, PROTECT FROM WIND, PROTECT BALLS OR ROOTS FROM DRYING BY COVERING AT ALL TIMES WITH MOIST SAW DUST, WOOD CHIPS, SHREDDED BARK OR OTHER SIMILAR MULCHING MATERIAL. ALL PLANT MATERIAL SHALL BE SUITABLY WATERED DURING ON SITE STORAGE. SEIDEL PLANNING & DESIGN, LID. DOES NOT GUARANTEE THE ACCURACT OF THE LOCATION OF THE EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS. NOR DOES SEIDEL PLANNING & DESIGN, LTD. GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION & PERFORM A PENNSYLVANIA ONE CALL IN THE ACCORDANCE WITH EXCAVATIONS FOR TREES AND SHRUBS — PITS, BEDS, AND TRENCHES: EXCAVATE WITH SIDES VERTICAL, BOTTOM FLAT BUT WITH HIGH CENTER FOR DRAINAGE.

> LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRICTION IN ACCORDANCE WITH PENNSYLVANIA ACT 287 OF 1974 AS AMENDED BY PENNSYLVANIA ACT 187 OF 1996, "ONE CALL" SYSTEM. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. SANITARY SEWER, WATER, ELECTRIC, GAS AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATION SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION

## 121 NOTIFICATION



THE UNDERGROUND UTILITY LINE PROTECTION LAW (ACT 121 AMENDS ACT 287 OF 1974)

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM UTILITY COMPANY RECORDS

AND/OR ABOVE GROUND INSPECTION OF THE SITE COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANTO REQUIREMENTS OF PENNSYLVANIA LEGISLATIVE AC 121 OF 2008, AS AMENDED BY ACT 181 OF 2006, ACT 199 OF 2004, ACT 187 OF 1996, ACT 172 OF 1996 AND ACT 287 OF 1974. CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES BY NOTIFYING FACILITY OWNERS THROUGH THE ONE-CALL SYSTEM 1-800-242-1776, NO LESS THAN 3, NOR MORE THA 10 DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK

NOTE: SEE PLANTING SCHEDULE FOR ALL SPECIFICATIONS

**TYPICAL DECIDUOUS TREE** 

PLANTING DETAIL

\* \*

LEGEND

BMP-RAIN GARDEN

AREA OF ROOF DISCONNECT

TOTAL AREA = 0.93 AC.

LIMITING ZONE #.##

INFIL. RATE #.## (IN/HR)

PROPOSED TREE PLANTINGS

(SEE SHEET 9: PLANTING PLAN FOR MORE

PIT DEPTH #.##

TEST PIT #

DETAILS)

DISCHARGE POINT

- DO NOT CUT CENTRAL LEADE

REMOVE DEAD, DIEING, OR

- WIRE GUYS-TRIPLE STRAND 14 GAUGE STEEL WIRE

- KRAFT PAPER TREE WRAP

- TAMPED EARTHEN RING TO CREATE DRIP RING SAUCER

BACKFILL PLAN INIOS FIT WITH
PLANTING MIXTURE (1/6 LOOSE,
FRIABLE, GOOD—QUALITY TOPSOIL AT
1/6 ORGANIC MATTER, SUCH AS
PEAT MOSS OR AGED LEAF MOLD,
MIXED WITH 2/3 SOIL EXCAVATED
FROM PLANT PIT).
TAMP LIGHTLY IN LAYERS AND SOAK
WITH WATER. APPLY ROOT

STIMULATOR, ORTHO "UP START" OR EQUAL. REFILL SETTLED AREAS BEFORE MULCHING.

- 3" MULCH DEPTH

SHORT TERM MAINTENANCE:

ReA (SOIL RATING C) — READINGTON SILT LOAM, O TO 3 PERCENT SLOPES

LIMITATIONS — MODERATE CORROSION OF CONCRETE, HIGH CORROSION OF STEEL, DEPTH TO SATURATED ZONE, DEPTH TO BEDROCK, PONDING.

RESOLUTIONS

DEPTH TO SATURATED ZONE/WATER TABLE - U-DRAIN MAY BE REQUIRED FOR ANY SPRINGS ENCOUNTERED. PUMPED WATER FILTER BAG MAY BE NEEDED DURING EXCAVATIONS.

DEPTH TO BEDROCK - HEAVY EXCAVATION EQUIPMENT MAY BE REQUIRED. PONDING - PROVIDE POSITIVE DRAINAGE

PLANTING SCHEDULE SHADE TREES

PROPOSED PLANT SPECIES	BOTANICAL NAME	MIN. PLANTING SIZE	NOTES	PROPOSED PLANTINGS
QB - SWAMP WHITE OAK	QUERCUS BICOLOR	2-1/2 INCH CALIPER	B & B	6
QP - PIN OAK	QUERCUS PALUSTRIS	2-1/2 INCH CALIPER	B & B	8
			TOTAL TREES PROPOS	SED: 14

**ZPCSMP** 10-27-21

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6-27-22 1" = 50' 4162

of **20** 



