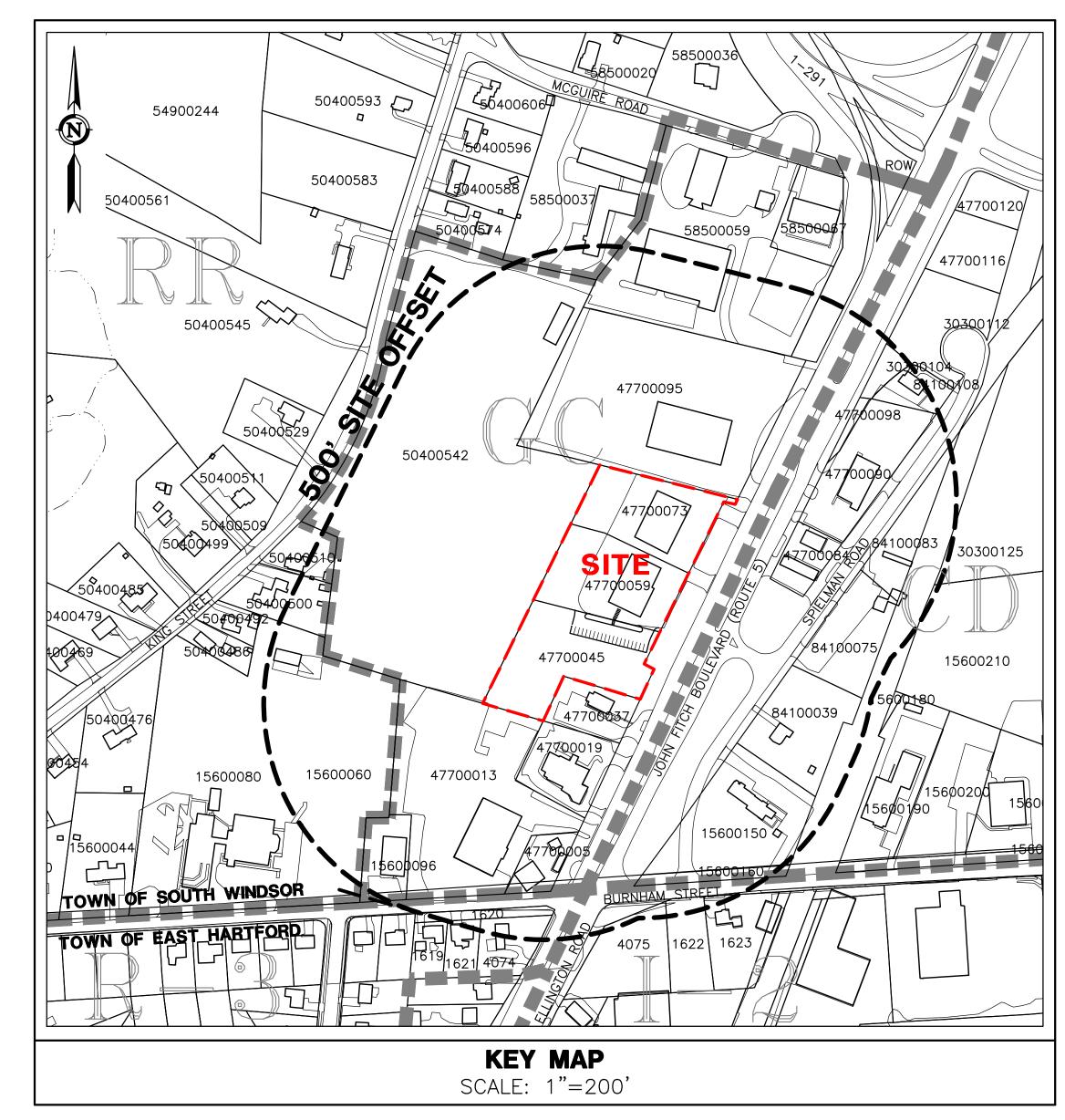
PRIME WELLNESS HYBRID RETAIL ESTABLISHMENT PARKING

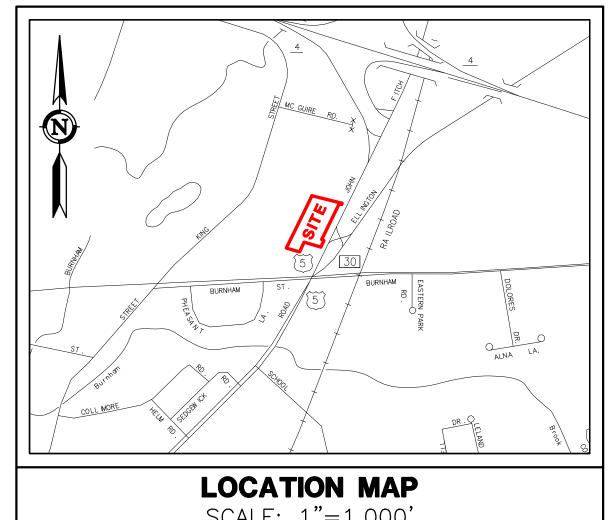
(SITE PLAN OF DEVELOPMENT)

45, 59, & 73 JOHN FITCH BOULEVARD ~ SOUTH WINDSOR ~ CT ~ FACILITY ALSO KNOWN AS 75 JOHN FITCH BOULEVARD ~ GIS Nos. 47700045, 47700059, 47700073

| N/F SOUTH | I WINDSOR 500' A | BUTTERS |
|--------------------|--------------------------------|-----------|
| STREET ADDRESS | <u>OWNER</u> | PARCEL ID |
| 60 BURNHAM STREET | TRUTH BAPTIST CHURCH OF - | 15600060 |
| 80 BURNHAM STREET | CURRENT RESIDENT | 15600080 |
| 96 BURNHAM STREET | SZUKI GEORGE H & CYNTHIA V | 15600096 |
| 150 BURNHAM STREET | KIDS-5 LLC | 15600150 |
| 160 BURNHAM STREET | CONN STATE OF | 15600160 |
| 210 BURNHAM STREET | CURRENT RESIDENT | 15600210 |
| 104 ELLINGTON ROAD | CURRENT RESIDENT | 30300104 |
| 112 ELLINGTON ROAD | CURRENT RESIDENT | 30300112 |
| 125 ELLINGTON ROAD | ARG STWINCT001 LLC | 30300125 |
| 5 JOHN FITCH BLVD | ALLIANCE ENERGY CORP | 47700005 |
| 13 JOHN FITCH BLVD | CARON DAVID | 47700013 |
| 19 JOHN FITCH BLVD | 19 JOHN FITCH BOULEVARD II LLC | 47700019 |
| 37 JOHN FITCH BLVD | CIL REALTY INCORPORATED | 47700037 |
| 84 JOHN FITCH BLVD | TONYS TURTLE GAS LLC | 47700084 |
| 90 JOHN FITCH BLVD | GILL JASON | 47700090 |
| 95 JOHN FITCH BLVD | MCGUIRE ROAD ASSOCIATES LLC | 47700095 |
| 98 JOHN FITCH BLVD | CONN STATE OF | 47700098 |
| 500 KING STREET | CALABRESE MARK | 50400500 |
| 510 KING STREET | UCCELLO ROBERT A & JESSICA | 50400510 |
| 542 KING STREET | MCGUIRE ROAD ASSOCIATES LLC | 50400542 |
| 37 MCGUIRE ROAD | SUNDERLAND EDWARD T III | 58500037 |
| 59 MCGUIRE ROAD | MCGUIRE ROAD ASSOCIATES LLC | 58500059 |
| 39 SPIELMAN ROAD | DUNTZ KATHY L | 84100039 |
| 75 SPIELMAN ROAD | TONUCCI RICHARD L & BERNICE A | 84100075 |
| 83 SPIELMAN ROAD | TONUCCI RICHARD L & BERNICE A | 84100083 |
| 108 SPIELMAN ROAD | LATORRE EDA | 84100108 |

| N/F EAST H | IARTFORD 500' ABU | TTERS |
|--------------------|---------------------------------|--------------|
| STREET ADDRESS | OWNER | PARCEL ID |
| 101 BURNHAM STREET | ARORA JAWAHAR LAL & REKHA | 1619 |
| 105 BURNHAM STREET | TOWN OF EAST HARTFORD | 1620 |
| 107 BURNHAM STREET | CHAN ERNESTO CALVERT & LOUISE P | 1621 |
| 149 BURNHAM STREET | P & Z ELLINGTON ROAD REALTY LLC | 1622 |
| 157 BURNHAM STREET | P & Z ELLINGTON ROAD REALTY LLC | 1623 |
| 400 ELLINGTON ROAD | MUMFORD CHARLES R SR | 4074 |
| 405 ELLINGTON ROAD | P & Z ELLINGTON ROAD REALTY LLC | 4075 |





| | SHEET INDEX | |
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| C-GD1 | GRADING PLAN | 3 of 9 |
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PRELIMINARY NOT FOR CONSTRUCTION THESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURE

GENERAL NOTES:

• THESE PLANS ARE INVALID UNLESS THEY BEAR THE SEAL OR STAMP, AND

ORIGINAL SIGNATURE OF THE PROFESSIONAL ENGINEER, LAND SURVEYOR, OR

REGULATORY APPROVALS. ONLY FINAL PLANS STAMPED APPROVED BY THE TOWN SHALL BE USED FOR CONSTRUCTION PURPOSES.

• 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 ENGINEER,
LANDSCAPE ARCHITECT
CALLS ARCHITECT
CALLS

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 OWNERS:

MCGUIRE ROAD ASSOCIATES LLC

111 FARM BROOK LANE

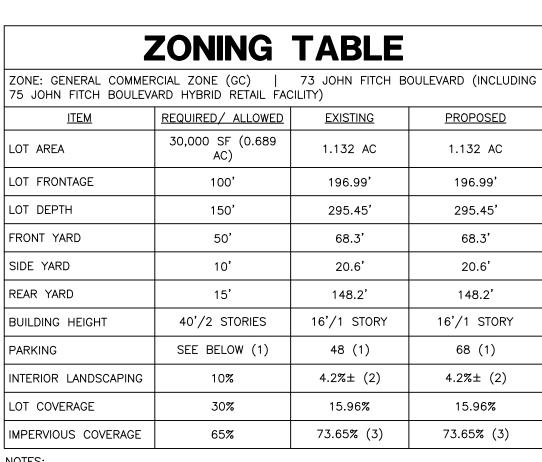
SOUTH WINDSOR, CT 06074

PETER CHURILO
PO BOX 98 BISSEL STA
SOUTH WINDSOR, CT 06074

APPLICANT:
PRIME WELLNESS OF CONNECTICUT LLC
75 JOHN FITCH BOULEVARD

SOUTH WINDSOR, CT 06074

C-T1SHEET 1 OF 9



NOTES:

(1) PROPOSED PARKING REQUIREMENTS ARE AS FOLLOWS:

EXISTING BUILDING GROSS FLOOR AREA TO REMAIN=7,868 SF

RETAIL (INCLUDING PRIME WELLNESS HYBRID FACILITY)=5,900 SF

© 1SP/200 SF=29.5 SPACES

RESTAURANT=1,312 SF © 1 SP/50 SF=26.24 SPACES

STORAGE=656 SF @ 1 SP/1,250 SF=0.52 SPACES

TOTAL REQUIRED PARKING SPACES=56.26 SPACES=57 SPACES

EXISTING SITE LAYOUT PROVIDES 48 SPACES, INCLUDING 3 ACCESSIBLE SPACES. THE DEFICIENCY OF 9 SPACES IS BEING ACCOMMODATED BY THE PROPOSED PARKING LOT AT 45 JOHN FITCH BOULEVARD, AS PERMITTED BY SECTION 6.4.7A OF THE SOUTH WINDSOR ZONING REGULATIONS. THE PROPOSED 20 SPACES WILL BRING THE TOTAL OF SPACES SERVING THE 73 JOHN FITCH BOULEVARD PROPERTY UP TO 68 SPACES. THE EXISTING 3 ACCESSIBLE SPACES STILL MEET THE MINIMUM REQUIRED NUMBER OF

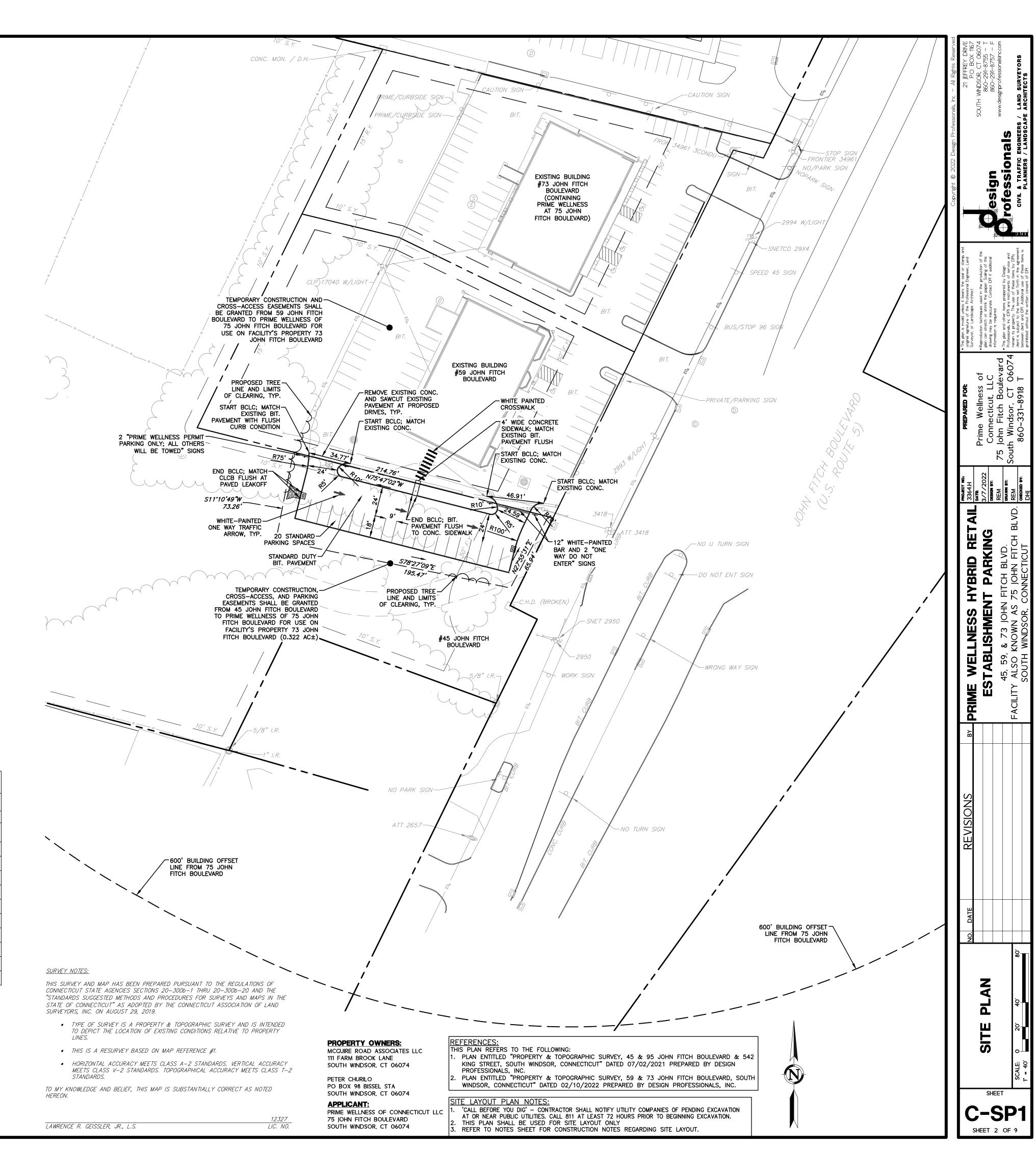
ACCESSIBLE SPACES.

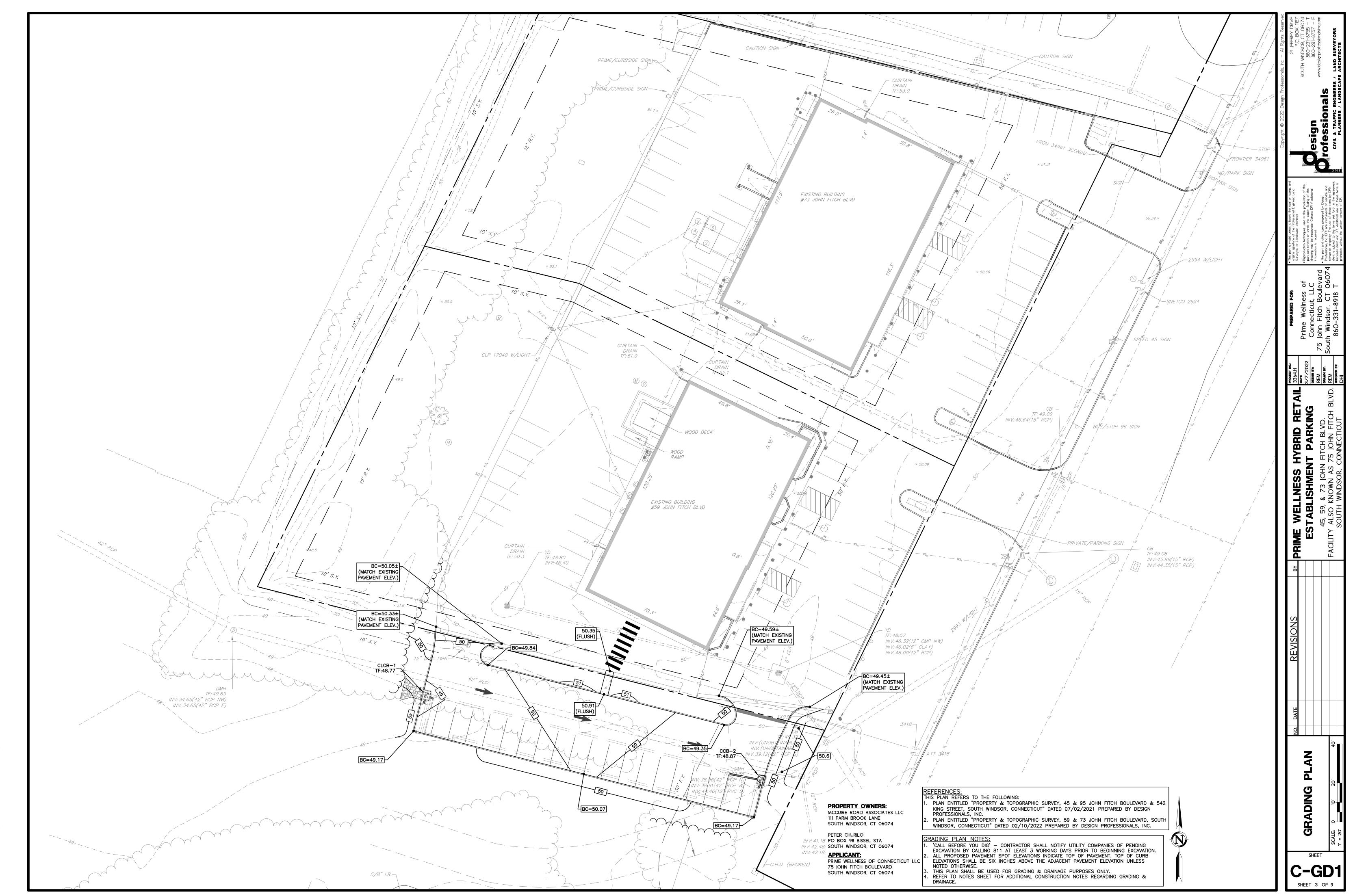
(2) INTERIOR LANDSCAPING IS PROVIDED AT AN EXISTING NON—CONFORMING RATE.

(3) IMPERVIOUS COVERAGE IS AN EXISTING NON—CONFORMANCE.

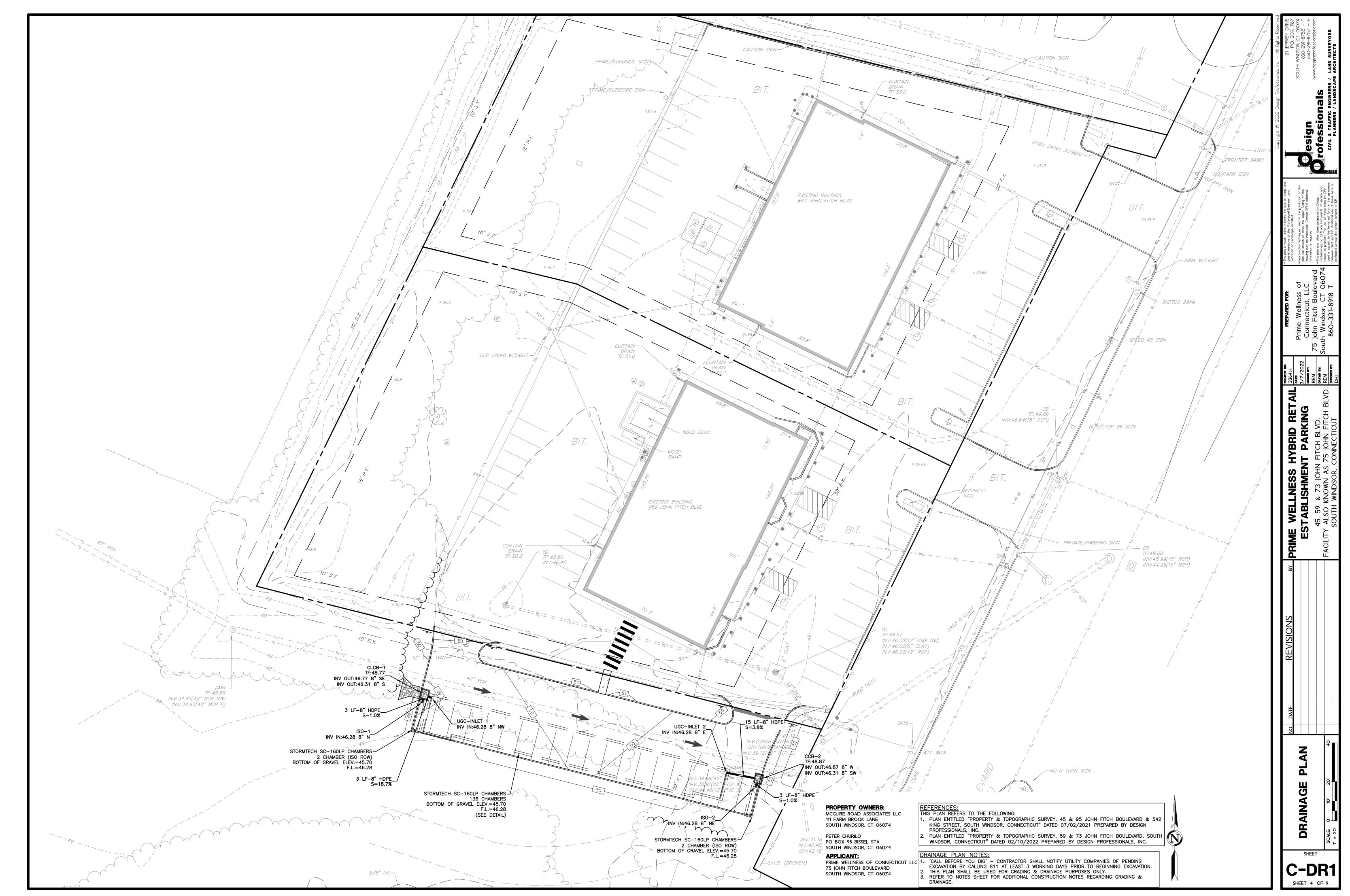
| - | ZONING | | |
|----------------------|-------------------------|------------------|----------|
| ZONE: GENERAL COMME | ERCIAL ZONE (GC) | 45 JOHN FITCH BO | DULEVARD |
| <u>ITEM</u> | REQUIRED/ ALLOWED | <u>EXISTING</u> | PROPOSED |
| LOT AREA | 30,000 SF (0.689 AC) | 1.393 AC | 1.393 AC |
| LOT FRONTAGE | 100' | 156.18' | 156.18' |
| LOT DEPTH | 150' | 300' | 300' |
| FRONT YARD | 50' | N/A | N/A |
| SIDE YARD | 10' | N/A | N/A |
| REAR YARD | 15' | N/A | N/A |
| BUILDING HEIGHT | 40'/2 STORIES | N/A | N/A |
| PARKING | SEE BELOW (1) | N/A | 20 (1) |
| INTERIOR LANDSCAPING | 10% | N/A | 19.1% |
| LOT COVERAGE | 30% | N/A | N/A |

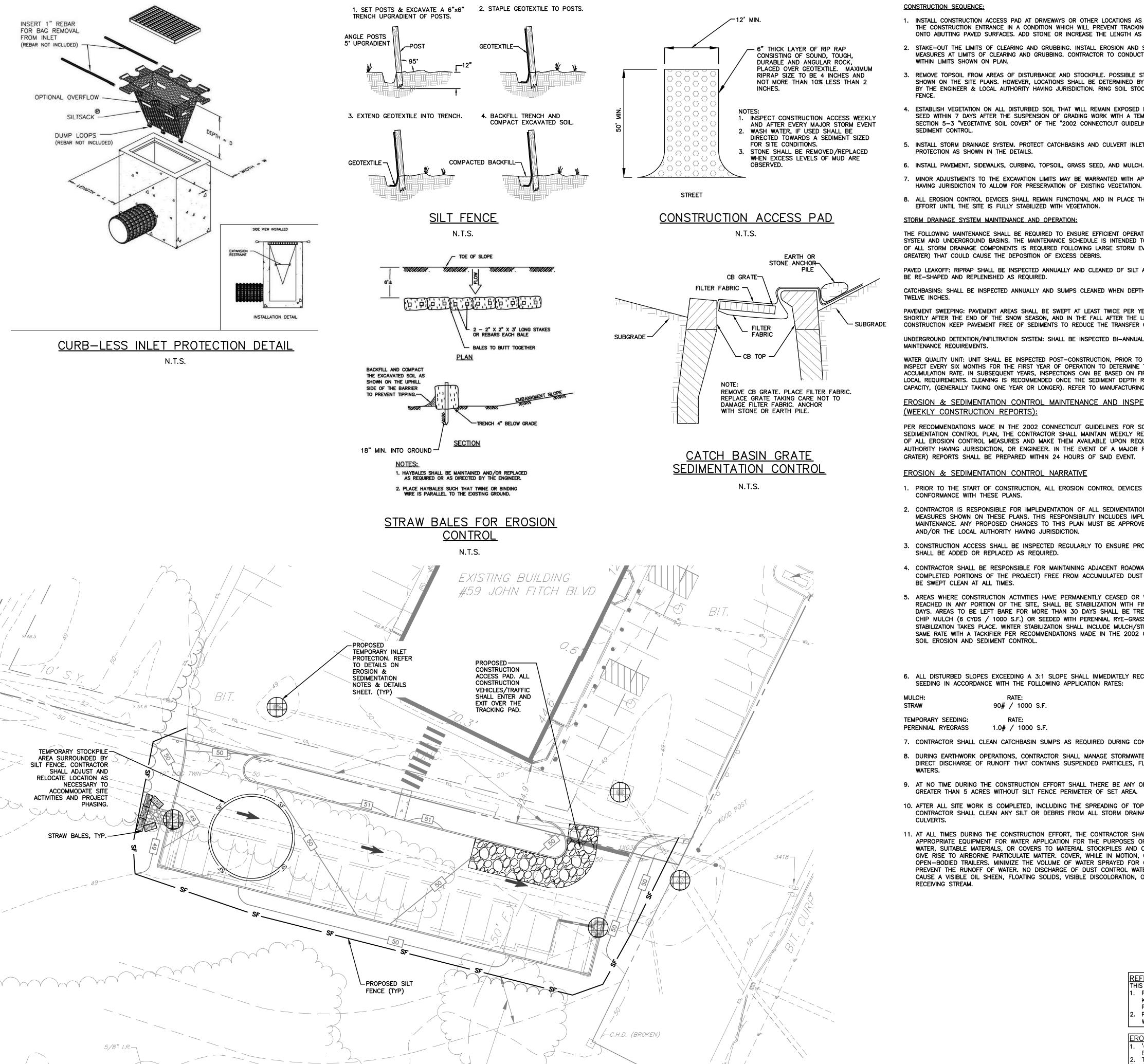
(1) PER SECTION 6.4.7A OF THE SOUTH WINDSOR ZONING REGULATIONS, 20 STANDARD PARKING SPACES ARE BEING PROVIDED AT 45 JOHN FITCH BOULEVARD FOR USE BY THE 75 JOHN FITCH BOULEVARD RETAIL ESTABLISHMENT AT 73 JOHN FITCH BOULEVARD. THE PARKING SPACES ARE APPROXIMATELY 300' FROM THE SUBJECT FACILITY. SEE THE ZONING TABLE FOR 73 JOHN FITCH BOULEVARD FOR ADDITIONAL INFORMATION REGARDING PARKING REQUIREMENT CALCULATIONS.





Fle: G. Jobs 1,3364 N. Engineering Nauto CAD 1,3364 H. Ste Plandwg Layout: 03 C-CD1 Plotted; 3/7/2022 1,11 PM Last Saved; 3/7/202





CONSTRUCTION SEQUENCE:

- INSTALL CONSTRUCTION ACCESS PAD AT DRIVEWAYS OR OTHER LOCATIONS AS 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
- 5. INSTALL STORM DRAINAGE SYSTEM. PROTECT CATCHBASINS AND CULVERT INLETS/OUTLETS WITH INLET
- PROTECTION AS SHOWN IN THE DETAILS. 6. INSTALL PAVEMENT, SIDEWALKS, CURBING, TOPSOIL, GRASS SEED, AND MULCH.
- 7. MINOR ADJUSTMENTS TO THE EXCAVATION LIMITS MAY BE WARRANTED WITH APPROVAL OF LOCAL AUTHORITY
- 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 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.

PAVED LEAKOFF: RIPRAP SHALL BE INSPECTED ANNUALLY AND CLEANED OF SILT AND/OR DEBRIS. RIPRAP SHALL BE RE-SHAPED AND REPLENISHED AS REQUIRED.

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

PAVEMENT SWEEPING: PAVEMENT AREAS SHALL BE SWEPT AT LEAST TWICE PER YEAR. ONCE IN THE SPRING SHORTLY AFTER THE END OF THE SNOW SEASON, AND IN THE FALL AFTER THE LEAVES HAVE FALLEN. DURING CONSTRUCTION KEEP PAVEMENT FREE OF SEDIMENTS TO REDUCE THE TRANSFER OF SEDIMENTS OFFSITE.

UNDERGROUND DETENTION/INFILTRATION SYSTEM: SHALL BE INSPECTED BI-ANNUALLY. REFER TO MANUFACTURING

WATER QUALITY UNIT: UNIT SHALL BE INSPECTED POST-CONSTRUCTION, PRIOR TO BEING PUT INTO SERVICE. INSPECT EVERY SIX MONTHS FOR THE FIRST YEAR OF OPERATION TO DETERMINE THE OIL AND SEDIMENT ACCUMULATION RATE. IN SUBSEQUENT YEARS, INSPECTIONS CAN BE BASED ON FIRST-YEAR OBSERVATIONS OR LOCAL REQUIREMENTS. CLEANING IS RECOMMENDED ONCE THE SEDIMENT DEPTH REACHES 15% OF STORAGE CAPACITY, (GENERALLY TAKING ONE YEAR OR LONGER). REFER TO MANUFACTURING MAINTENANCE REQUIREMENTS.

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
- . 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:

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

PERENNIAL RYEGRASS 1.0# / 1000 S.F.

- 7. CONTRACTOR SHALL CLEAN CATCHBASIN 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
- 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 RECEIVING STREAM.

- 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.
- 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
- 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 FROZEN GROUND.

ESTIMATED CONSTRUCTION START DATE - SPRING 2022 ESTIMATED COMPLETION DATE FALL 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 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
- FOR SOIL STABILIZATION CANNOT BE PRACTICALLY APPLIED.
- USE MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AS / RESULT OF TRUCK TRAFFIC, PAVEMENT SAW CUTTING SPILLAGE, AND WIND OR WATER DEPOSITION FROM ADJACENT DISTURBED AREAS. SWEEP DAILY IN HEAVILY TRAFFICKED AREAS.

CONSIDER USING DUST CONTROL MEASURES ONLY AFTER IT IS DETERMINED THAT OTHER MEASURES

- 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
- REPEAT APPLICATION OF DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.

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

PETER CHURILO PO BOX 98 BISSEL STA SOUTH WINDSOR, CT 06074 **APPLICANT:** PRIME WELLNESS OF CONNECTICUT LLC 75 JOHN FITCH BOULEVARD

SOUTH WINDSOR, CT 06074

CONTACT INFO

PRIME WELLNESS OF CONNECTICUT, LLC 860-331-8918

- THIS PLAN REFERS TO THE FOLLOWING:
- PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 45 & 95 JOHN FITCH BOULEVARD & 542 KING STREET, SOUTH WINDSOR, CONNECTICUT" DATED 07/02/2021 PREPARED BY DESIGN
- PROFESSIONALS, INC. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 59 & 73 JOHN FITCH BOULEVARD, SOUTH | WINDSOR, CONNECTICUT" DATED 02/10/2022 PREPARED BY DESIGN PROFESSIONALS, INC.

EROSION & SEDIMENTATION CONTROL PLAN NOTES 'CALL BEFORE YOU DIG' - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING

- EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION. THIS PLAN SHALL BE USED FOR EROSION & SEDIMENTATION CONTROL PURPOSES ONLY.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLANS. REFER TO EROSION & SEDIMENTATION CONTROL NOTES & DETAILS FOR ADDITIONAL

INFORMATION.

あら

ONTROL

LANDSCAPE NOTES:

. COARSE SAND

ALL EXISTING TREES TO REMAIN SHALL BE SHAPED OR PRUNED WITHIN THE DEVELOPMENT AND ALONG THE PERIMETER OF CONSTRUCTION LIMIT UNDER THE DIRECTION OF A LICENSED ARBORIST.
DEBRIS AND DEAD, UNHEALTHY EXISTING TREES AND INVASIVE SPECIES SHALL BE REMOVED FROM WETLANDS AND RESIDENTIAL LANDSCAPE BUFFER AREAS. ALL AREAS DESIGNATED TO BE SEEDED SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL, 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 HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES. SHALL HAVE A FULLY DEVELOPED FORM MITHOUT 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 THE "AMERICAN STANDARD FOR NURSERY STOCK". 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 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. CONTAINER STOCK SHALL NOT BE POT BOUND. CONTAINER STOCK SHALL NOT BE LOOSE IN THE CONTAINER.
- 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 BY 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%
- 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 PLANTS SPECIFIED. LIME SHALL BE PELLETIZED LIME MANUFACTURED TO MEET AGRICULTURAL STANDARDS AND CONTAIN A MAXIMUM OF 60% OXIDE. (I.E., CALCIUM OXIDE PLUS MAGNESIUM OXIDE).
 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 WATER QUALITY BASINS
- CONTRACTOR TO HAVE FERTILIZER MATERIALS DELIVERED IN ORIGINAL, UNOPENED, AND UNDAMAGED CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. STORE IN MANNER TO PREVENT METTING AND DETERIORATION.

 DELAY MIXING FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS. DELAT TIXING 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 IO 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 DECIDIOUS PLANTS IN FOLIAGE WITH AN APPROVED ANTITRANSPIRANT IMMEDIATELY AFTER DIGGING TO PREVENT DEHYDRATION. 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 PROTECT 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
- BRANCHES.

 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.

 STOCK FURNISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED ON THE DRAWINGS. LARGER STOCK IS ACCEPTABLE, 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. MATER IS TO BE SUPPLIED FOR PLANTS THAT IS CLEAN, FREE FROM TOXIC AMOUNTS OF SALT, OIL, ACID ORGANIC MATTER OR OTHER SUBSTANCES HARMFUL TO PLANTS CONTRACTOR TO PRUNE AND REPAIR PLANTS AS FOLLOWS:
- REMOVE OR CUT BACK, BROKEN, DAMAGED, AND UNSYMMETRICAL GROWTH OF NEW WOOD.

 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.

 ALL TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7 FEET ABOVE FINISH GRADE.
- AREAS TO RECEIVE MULCH: ALL PLANT BEDS AND OTHER AREAS AS DESIGNATED ON DRAWINGS SHALL 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.
- APPLY BARK MULCH TO A UNIFORM DEPTH OF 2 INCHES.

 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. MAINTENANCE SHALL INCLUDE PRUNING, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE. RESET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT
- MATERIAL AND REMOVE DEAD MATERIAL. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT. MATER 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
- 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

 BETTLE BESPONSIBLETY OF THE LANDSCAPE CONTRACTOR.
- LANDSCAPE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG 1-800-922-4455 AT LEAST TWO FULL LANDSCAPE CONTRACTOR TO REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS FROM SITE PER
- GOVERNING REGULATIONS.

 CONSTRUCTION SITE IS TO BE IN A CLEAN, ORDERLY CONDITION AT ALL TIMES.

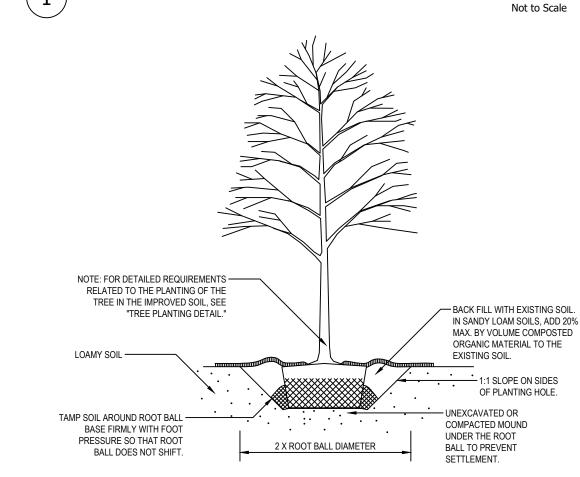
 ALL REQUIRED PERMITS ARE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

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

| DO NOT HEAVILY PRUNE THE TREE AT PLANTING PRUNE ONLY CROSSOVER LIMBS, CO-DOMINAN LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHE MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT SEE STAKING DETAIL. | T | | |
|---|-----------|------|---|
| WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL. | | | |
| MARK THE NORTH SIDE OF THE TREE — IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE. | | | CH TREE MUST BE PLANTED SUCH THAT IE TRUNK FLARE IS VISIBLE AT THE TOP THE ROOT BALL. TREES WHERE THE TRUNK |
| SET TOP OF ROOT BALL FLUSH TO — GRADE OR 25MM-50MM (1"-2") HIGHER IN SLOWLY DRAINING SOILS. | | / DC | ARE IS NOT VISIBLE SHALL BE REJECTED. IN'T COVER THE TOP OF THE ROOT BALL TH SOIL. |
| MULCH RING, 1800MM (6') DIA. MIN. — 2400MM (8') DIA. PREFERRED — | | | |
| 50MM (2") MULCH. DO NOT PLACE — MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH WEED-FREE FOR A MIN. OF THREE YEARS AFTER PLANTING. TAMP SOIL AROUND ROOT BALL BASE — FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOESN'T SHIFT. | | | REMOVE ALL TWINE, ROPE, WIRE AND BURLAP FROM TOP HALF OF ROOT BALL. REMOVE COMPLETELY IF SYNTHETIC IS USED. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN 200MM (8") INTO PLANTING HOLE. PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. |
| NOTE: FOR DIMENSIONS OF PLANTING AREAS, TYPES OF SOIL AMENDMENTS, OR SOIL REPLACEMENT, SEE "SOIL IMPROVEMENT DETAILS." | | | |
| NOTES: | | | |
| 1. NO MULCH WITHIN 3" OF TR | EFF TRUNK | | |
| i. No mozori Willing Or III | | | |

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

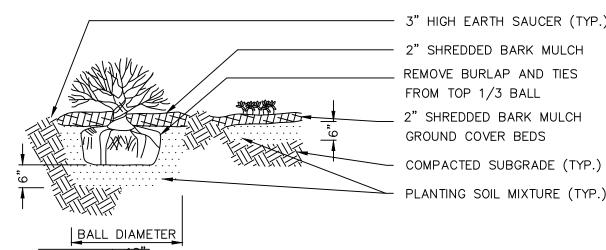


LOAMY SOILS INCLUDE THE FOLLOWING USDA TEXTURAL CLASSIFICATIONS AND HAVE A CLAY CONTENT OF BETWEEN 15 TO 27%: LOAM, SANDY LOAM AND SILT LOAM. NOTE THAT SOILS AT THE OUTER LIMITS OF THE LOAM CLASSIFICATIONS MAY PRESENT SPECIAL PLANTING PLANTING PROBLEMS NOT ANTICIPATED BY THIS DETAIL

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



Not to Scale

SHRUB & GROUNDCOVER PLANTING DETAIL

SEEDING NOTES:

CARS

TAME

- SEEDING MIXTURE TYPE I (LAWN AREAS): BLUEGRASS BLEND (3 VARIETIES) 50% OF MIXTURE CHEWINGS RED FESCUE 30% OF MIXTURE PERENNIAL RYEGRASS 20% OF MIXTURE
- 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 MAINTENANCE PERIOD.

Ruby Spice Summersweet

CONT.

CONT.

No. 3

No. 3

3' O.C.

3' O.C.

Clethra alnifolia 'Ruby Spice'

Taxus x. media 'Everlow'

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

PETER CHURILO PO BOX 98 BISSEL STA SOUTH WINDSOR, CT 06074 APPLICANT: PRIME WELLNESS OF CONNECTICUT LLC

75 JOHN FITCH BOULEVARD

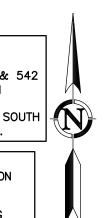
SOUTH WINDSOR, CT 06074

<u>REFERENCES:</u>
THIS PLAN REFERS TO THE FOLLOWING:

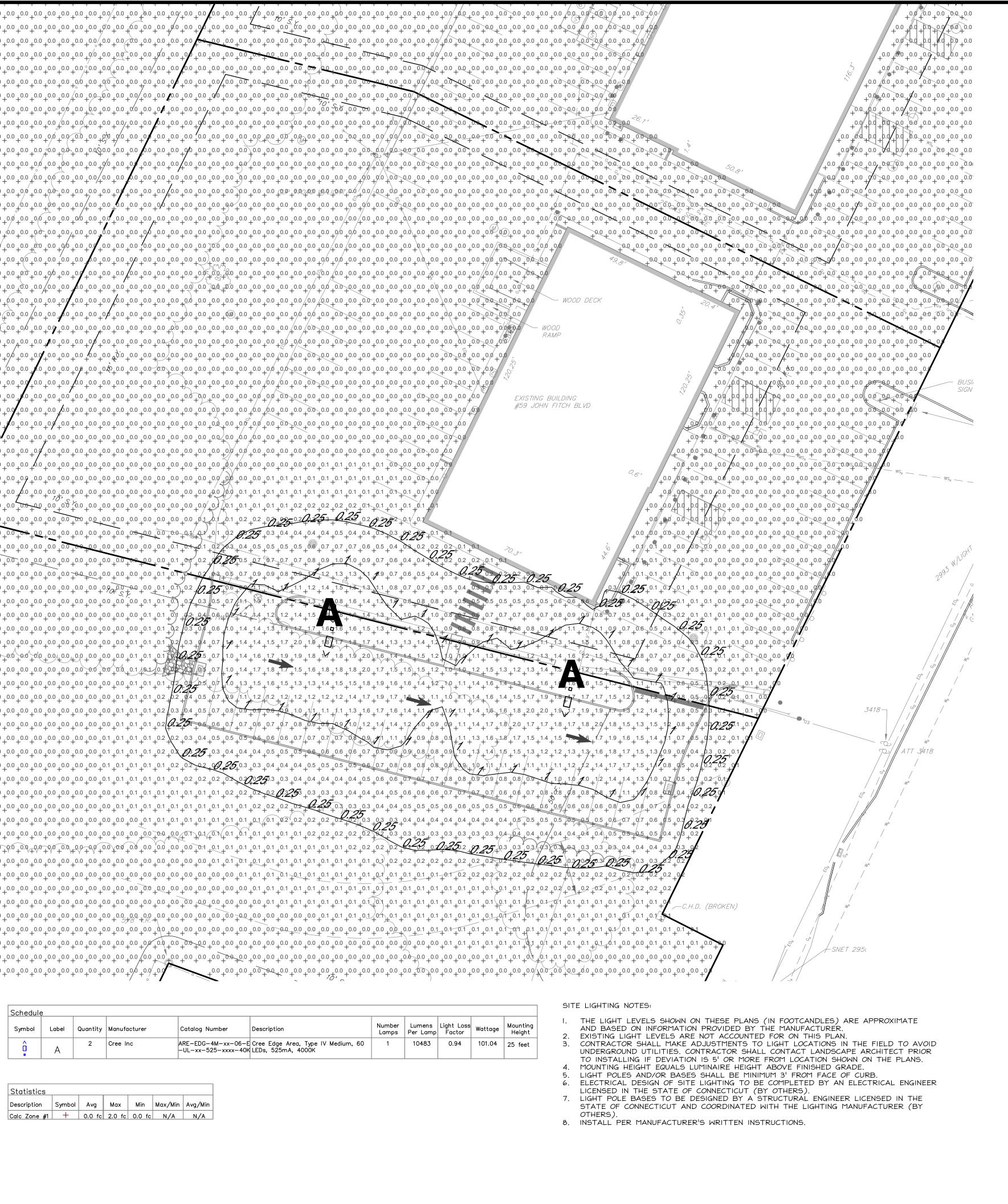
AND SEEDING NOTES.

PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 45 & 95 JOHN FITCH BOULEVARD & 542 KING STREET, SOUTH WINDSOR, CONNECTICUT" DATED 07/02/2021 PREPARED BY DESIGN PROFESSIONALS, INC. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 59 & 73 JOHN FITCH BOULEVARD, SOUTH WINDSOR, CONNECTICUT" DATED 02/10/2022 PREPARED BY DESIGN PROFESSIONALS, INC.

LANDSCAPE PLAN NOTES: 'CALL BEFORE YOU DIG' - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION. THIS PLAN SHALL BE USED FOR LANDSCAPING ONLY. REFER TO NOTES SHEET FOR ADDITIONAL CONSTRUCTION NOTES REGARDING LANDSCAPING



SHEET



THE EDGE® Series

LED Area/Flood Luminaire

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal

Performance Summary

Assembled in the U.S.A. of U.S. and imported parts CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K [+/- 300K], 4000K (+/- 300K), 5000K [+/- 500K], 5700K [+/- 500K] Limited Warranty[†]: 10 years on luminaire/10 years on Colorfast DeltaGuard[®] finish /1 year on

| eld-Installed | | |
|--|---|--|
| d Spikes BRDSPK nd-Held Remote -SENSREM or successful implementation of the programmable multi-level | Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel Shorting Cap | |
| ption, a minimum of one hand-held remote is required | XA-XSLSHRT NEMA® 3-Pin Photocell C-ACC-A-PCELL-NEMA3-LV - On/off functionality only Available with III voltage only | |

| LED Count (x10) | Dim. "A" | Weight |
|--------------------|---------------|----------------|
| 02 | 12.1" (306mm) | 21 lbs. [10kg] |
| 04 | 12.1" (306mm) | 24 lbs. [11kg] |
| 06 | 14.1" (357mm) | 27 lbs. [12kg] |
| 08 | 16.1" (408mm) | 28 lbs. [13kg] |
| 10 | 18.1" (459mm) | 32 lbs. [15kg] |
| 12 | 20.1" (510mm) | 34 lbs. [15kg] |
| 14 | 22.1" (560mm) | 37 lbs. (17kg) |
| 16 | 24.1" [611mm] | 41 lbs. [19kg] |

AA/DL/SA Mount - see page 22 for weight & dimensions

Rev. Date: V11 09/07/2021

← NEMA® 3-Pin Photocell

Ordering Information

| | | | | | | E | | | | | |
|---------|--|---|---|---|--|--------|--|-----------------------|--|--|--|
| Product | Optic | | | Mounting* | LED Count (x10) | Series | Voltage | Color Op- tions | Drive Current | Options | |
| ARE-EDG | Type II Medium 2MB Type II Medium w/BLS 2MP Type II Me- dium w/ Partial BLS 3M | w/BLS 3MP Type III Medium w/Partial BLS 4M Type IV Medium 4MB Type IV Medium | w/Partial BLS 5M Type V | AA Adjustable Arm DL Direct Long Arm AA Adjustable Arm SA Side Arm - Available with 20-60 LEDs | 02 04 06 08 10 12 14 16 | E | UL Universal 120-277V UH Universal 347-480V | BZ Bronze SV | 350 350mA 525 525mA 700 700mA - Available with 20- 60 LEDs | DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options Fuse - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse HL HI/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included P Photocell - Refer to PML spec sheet for availability with PML options - Available with UL voltage only PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt | PML2 Programmable Multi-Level, 10-30' Mounting Height Refer to PML spec sheet for details Intended for downlight applications at 0" tilt Receptacle 3-pin receptacle per ANSI C136.10 Not available with SA mount Intended for downlight applications with maximum 45" tilt Requires photocell or shorting cap by others Refer to PML spec sheet for availability with PML options 30K 3000K Color Temperature Minimum 80 CRI Color temperature per luminaire 40K 4000K Color Temperature Minimum 70 CRI Color temperature per luminaire 50K 5000K Color Temperature Minimum 90 CRI Color temperature per luminaire Minimum 90 CRI Amber Turtle Friendly LEDs Available only with 350mA 600nm dominant wavelength Additional shielding lby others may be required for Florida Fish and Wildlife Conservation Commission |



CREE \$\(\phi\) LIGHTING

THE EDGE® LED Area/Flood Luminaire

Product Specifications

Includes leaf/debris guard

- **CONSTRUCTION & MATERIALS** Slim, low profile, minimizing wind load requirements • Luminaire sides are rugged die cast aluminum with integral weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) 0.D. tenons
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available

Weight: See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers

- Power Factor: > 0.9 at full load • Total Harmonic Distortion: < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current Maximium 10V Source Current: 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- Suitable for wet locations Enclosure rated IP66 per IEC 60529 when ordered without P or R options Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated . Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 $\,$ DLC qualified with select SKUs, Refer to

 Meets Buy American requirements within ARRA • CA RESIDENTS WARNING: Cancer and Reproductive Harm -

| LED | 3100000 | System | Total C | urrent l | [A] | | | |
|----------------|-------------------|-------------------|---------|----------|------|------|------|------|
| Count (x10) | CCT | Watts 120-480V | 120V | 208V | 240V | 277V | 347V | 480V |
| 350mA | | | | | | | | |
| 00 | 30 K/40 K/50K/57K | 25 | 0.21 | 0.13 | 0.11 | 0.10 | 0.08 | 0.07 |
| 02 | TRL | 19 | 0.16 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04 |
| | 30 K/40 K/50K/57K | 46 | 0.36 | 0.23 | 0.21 | 0.20 | 0.15 | 0.12 |
| 04 | TRL | 35 | 0.29 | 0.17 | 0.15 | 0.13 | 0.10 | 0.07 |
| | 30K/40K/50K/57K | 66 | 0.52 | 0.31 | 0.28 | 0.26 | 0.20 | 0.15 |
| 06 | TRL | 50 | 0.41 | 0.24 | 0.21 | 0.18 | 0.14 | 0.10 |
| 00 | 30 K/40 K/50K/57K | 90 | 0.75 | 0.44 | 0.38 | 0.34 | 0.26 | 0.20 |
| 80 | TRL | 68 | 0.57 | 0.33 | 0.28 | 0.25 | 0.20 | 0.14 |
| 46 | 30 K/40 K/50K/57K | 110 | 0.92 | 0.53 | 0.47 | 0.41 | 0.32 | 0.24 |
| 10 | TRL | 83 | 0.69 | 0.40 | 0.35 | 0.30 | 0.24 | 0,17 |
| 10 | 30 K/40 K/50K/57K | 130 | 1.10 | 0.63 | 0.55 | 0.48 | 0.38 | 0.28 |
| 12 | TRL | 99 | 0.82 | 0.48 | 0.41 | 0.36 | 0.28 | 0.21 |
| 14 | 30 K/40 K/50K/57K | 158 | 1.32 | 0.77 | 0.68 | 0.62 | 0.47 | 0.35 |
| | TRL | 120 | 1.00 | 0.58 | 0.50 | 0.43 | 0.34 | 0.25 |
| 923 | 30 K/40 K/50K/57K | 179 | 1.49 | 0.87 | 0.77 | 0.68 | 0.53 | 0.39 |
| 16 | TRL | 136 | 1.13 | 0.65 | 0.57 | 0.49 | 0.39 | 0.28 |
| 525mA | | | | | | | | |
| 02 | 30 K/40 K/50K/57K | 37 | 0.30 | 0.19 | 0.17 | 0.16 | 0.12 | 0.10 |
| 04 | 30K/40K/50K/57K | 70 | 0.58 | 0.34 | 0.31 | 0.28 | 0.21 | 0.16 |
| 06 | 30K/40K/50K/57K | 101 | 0.84 | 0.49 | 0.43 | 0.38 | 0.30 | 0.22 |
| 08 | 30 K/40 K/50K/57K | 133 | 1.13 | 0.66 | 0.58 | 0.51 | 0.39 | 0.28 |
| 10 | 30 K/40 K/50K/57K | 171 | 1.43 | 0.83 | 0.74 | 0.66 | 0.50 | 0.38 |
| 12 | 30 K/40 K/50K/57K | 202 | 1.69 | 0.98 | 0.86 | 0.77 | 0.59 | 0.44 |
| 14 | 30 K/40 K/50K/57K | 232 | 1.94 | 1.12 | 0.98 | 0.87 | 0.68 | 0.50 |
| 16 | 30 K/40 K/50K/57K | 263 | 2.21 | 1.27 | 1.11 | 0.97 | 0.77 | 0.56 |
| 700mA | | | | | | | | |
| 02 | 30 K/40 K/50K/57K | 50 | 0.41 | 0.25 | 0.22 | 0.20 | 0.15 | 0.12 |
| 04 | 30 K/40 K/50K/57K | 93 | 0.78 | 0.46 | 0.40 | 0.36 | 0.27 | 0.20 |
| 06 | 30K/40K/50K/57K | 134 | 1.14 | 0.65 | 0.57 | 0.50 | 0.39 | 0.29 |

| Ambient | ССТ | Initial LMF | 25K hr Reported ² LMF | 50K hr Reported ² LMF | 75K hr Reported²/ Estimated³ LMF | 100K hr Estimated ^s LMF |
|----------------|-----------------|----------------|--|--|---|--|
| 5°C (41°F) | 30K/40K/50K/57K | 1.04 | 1.03 | 1.03 | 1.03 ² | 1.03 |
| | TRL | 1.06 | 1.06 | 1.06 | 1.063 | 1.06 |
| 10°C (50°F) | 30K/40K/50K/57K | 1.03 | 1.02 | 1.02 | 1.02 ² | 1.02 |
| | TRL | 1.04 | 1.04 | 1.04 | 1.043 | 1.04 |
| 15°C | 30K/40K/50K/57K | 1.02 | 1.01 | 1.01 | 1.01 ² | 1.01 |
| (59°F) | TRL | 1.03 | 1.03 | 1.03 | 1.033 | 1.03 |
| 20°C | 30K/40K/50K/57K | 1.01 | 0.99 | 0.99 | 0.99 ² | 0.99 |
| [68°F] | TRL | 1.01 | 1.01 | 1.01 | 1.013 | 1.01 |
| 25°C | 30K/40K/50K/57K | 1.00 | 0.98 | 0.98 | 0.98 ² | 0.98 |
| (77°F) | TRL | 1.00 | 1.00 | 1.00 | 1.003 | 1.00 |

US: <u>creelighting.com</u> [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

CREE ♦ LIGHTING

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

PETER CHURILO PO BOX 98 BISSEL STA SOUTH WINDSOR, CT 06074

APPLICANT: PRIME WELLNESS OF CONNECTICUT LL 75 JOHN FITCH BOULEVARD SOUTH WINDSOR, CT 06074

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:

PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 45 & 95 JOHN FITCH BOULEVARD & 542 KING STREET, SOUTH WINDSOR, CONNECTICUT" DATED 07/02/2021 PREPARED BY DESIGN PROFESSIONALS, INC. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, 59 & 73 JOHN FITCH BOULEVARD, SOUTH

WINDSOR, CONNECTICUT" DATED 02/10/2022 PREPARED BY DESIGN PROFESSIONALS, INC.

'CALL BEFORE YOU DIG' - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION. THIS PLAN SHALL BE USED FOR SITE LIGHTING ONLY 3. NO EXISTING LIGHT LEVELS ARE INCLUDED ON THIS PLAN.



SHEET 7 OF 9

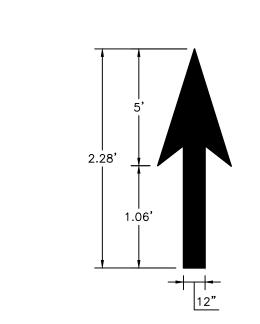
- 2. It is the contractor's responsibility to review all construction contract documents associated with the project scope of work, including, but not limited to, all drawings and specifications, architectural plans, boundary and topographic survey, wetlands assessment and reports, geotechnical reports, environmental reports, and approval conditions, prior to the commencement of construction. Should the contractor find conflict and/or discrepancy between the documents relative to the plans, specifications, reports, or the relative or applicable codes, regulations, laws, rules, statutes and/or ordinances, it is the contractor's sole responsibility to notify the Engineer, in
- 3. The contractor shall be responsible for adhering to any conditions of approval placed on the project by the authorities having jurisdiction.
- 4. The contractor must comply, to the fullest extent, with the latest Occupational Health and Safety (OSHA) standards and regulations, and/or any other agency with jurisdiction for construction activities. The contractor is solely responsible for construction means, methods, techniques, sequences, 24. The use of explosives, if required, must comply with all local, state and or procedures, or for safety precautions and programs in connection with work on the Project. The Engineer will not be responsible for the contractor's safety, schedules, or failure to carry out its work in accordance with the contract documents. The Engineer will not have control over or charge of acts or omissions of the contractor, subcontractors, or their agents or employees, or of any persons performing portions of work on the
- 5. Contractor must notify the Engineer in writing if there are any questions concerning the accuracy or intent of these plans or related specifications. If such notification is given, no demolition or site activity may begin until such time that the Engineer provides a written response to same.
- 6. Contractor shall adhere to and is responsible for compliance with all details, notes, plans and specifications contained herein. It is the responsibility of in full compliance with these requirements.
- 7. The contractor shall confirm that they are in receipt of the current version of the referenced documents prior to the commencement of any work.
- 8. Prior to commencing work, the contractor shall review and correlate all consultants plans and specifications including the entire site plan and the latest architectural plans (including, but not limited to, structural, mechanical, electrical, plumbing, and fire suppression plans, where applicable), in particular for building utility connection locations, grease trap requirements/ details, door access, and exterior grading. Contractor must immediately notify the Architect and the Engineer, in writing, of any conflicts, discrepancies or ambiguities which exist, and receive a written resolution prior to commencing construction.
- 9. Prior to commencing work, contractor is required to secure all necessary and/or required permits and approvals for the construction of the project, including, but not limited to, demolition work, and all off site material sources and disposal facilities. Copies of all permits and approvals shall be maintained on site throughout the duration of the project. The contractor shall thoroughly review and understand all permits and permit conditions prior to fabrication of any materials or products to be used as part of the project.
- 10. The contractor is responsible for independently verifying all existing onsite utilities within and adjacent to the limits of the project activities. Underground utility, structure and facility locations depicted and noted on the plans have been compiled, in part, from record mapping supplied by the respective utility companies or governmental agencies, from parol testimony, and from other sources. These locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to the Engineer.
- 11. The contractor is responsible for ensuring the installation of all improvements 31. The tops of existing manholes, inlet structures, and sanitary cleanout tops comply with all requirements of utility companies with jurisdiction and/or control of the site.
- 12. Locations of all existing and proposed services are approximate. Final utility service sizes and locations, including, but not limited to, the relocation and/or installation of utility poles, or the relocation and/or installation of transformers, are at the sole discretion of the respective utility companies.
- 13. Prior to commencement of any work, the contractor shall independently coordinate and confirm with the appropriate utility companies to finalize all utility services and/or relocations to ensure no conflict with the design plans and that proper depths can be achieved. All discrepancies must immediately be reported to the Engineer in writing. Should a conflict arise due to the final designs of the utility company, the contractor shall notify the Engineer in writing and await a written resolution prior to proceeding with further utility installations.
- 14. Prior to commencing construction, the contractor shall field verify all existing conditions, topographic information, utility invert elevations, and proposed layout dimensions, and must immediately notify the Engineer in writing if actual site conditions differ or are in conflict with the proposed work. No extra compensation will be paid to the contractor for work which has to be redone or repaired due to dimensions or grades shown incorrectly on these plans unless the contractor receives written permission from Owner/developer giving authorization to proceed with such additional work.
- 15. Where utilities are proposed to cross/traverse existing underground utilities, the elevations of the existing utilities shall be verified in the field prior to construction by excavating a test pit at the proposed utility crossing point. Should the field verified existing utility be in conflict with the proposed site designs, the contractor shall notify the Engineer in writing and shall not proceed with said utility construction until further direction is given from the
- 16. At least 72 hours prior to starting any site activity or demolition, the contractor shall notify, at a minimum, the building official, municipal engineer, department of public works, planning and zoning commission, the Engineer, and local inland wetland commission, as applicable. The contractor shall also attend a pre-construction meeting with the local municipality, if required, prior to commencing any site activity or demolition.
- 17. Prior to starting any site activity or demolition, the contractor shall implement the soil erosion and sediment control measures as noted on the plans. Refer to the Erosion and Sedimentation Control Notes.
- 18. The demolition plan or existing features designated to be removed are intended to provide only general information regarding items to be demolished and/or removed. The contractor shall review all site plans (and architectural drawings as applicable) to assure that all demolition activities and incidental work necessary for the construction of the new site improvements are completed.
- 19. The contractor shall protect and maintain the operation and service of all active utilities and systems that are not being removed during all construction activities. Should a temporary interruption of utility services be required as part of the proposed construction activities, the contractor shall coordinate with appropriate utility companies and the affected end users to minimize impact and service interruption.

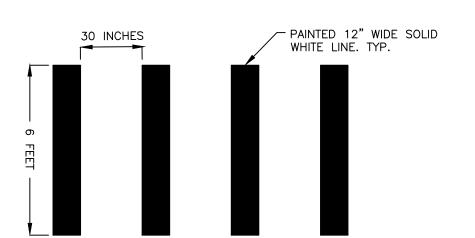
- 20. The contractor shall arrange for and coordinate with the appropriate utility companies for all services that require temporary or permanent termination for the project, whether shown on the site plans or not. Termination of utilities shall be performed in compliance with all local, state and/or federal regulations.
- 21. Contractor must prepare record drawings depicting the location of existing utilities that are capped, abandoned in place, or relocated and provide to the Owner and the Engineer of record.
- 22. Should hazardous material be discovered/encountered, which was not anticipated/addressed in the project plans and specifications, cease all work immediately and notify Owner and Engineer regarding the discovery of same. Do not continue work in the area until written instructions are received from an environmental professional.
- writing, of said conflict and/or discrepancy prior to the start of construction. 23. The contractor is responsible for preventing movement, settlement, damage, or collapse of existing structures, and any other improvements that are to remain. If any existing structures that are to remain are damaged during construction, repairs shall be made using new product/materials resulting in a pre—damage condition, or better. Contractor is responsible for all repair costs. Contractor shall document all existing damage and to notify the Owner prior to the start of construction.
 - federal regulations. The contractor shall obtain all permits that are required by the federal, state and local governments, and shall also responsible for all notification, inspection, monitoring or testing as may be required.
 - 25. All debris from removal operations must be removed from the site at the time of excavation. Stockpiling of demolition debris will not be permitted. Debris shall not be burned or buried on site. All demolition materials to be disposed of, including, but not limited to, stumps, limbs, and brush, shall be done in accordance with all municipal, county, state, and federal laws and applicable codes. The contractor must maintain records of all disposal
 - 26. The contractor is responsible for repairing all damage to any existing utilities during construction, at its own expense
- the contractor to ensure that all work performed by their subcontractors is 27. All new utilities/services, including electric, telephone, cable tv, etc. are to be installed underground unless noted otherwise on the plans. The Contractor shall be responsible for installing all new utilities/services in accordance with the utility/service provider's written installation specifications and standards.
 - 28. All earthwork activities must be performed in accordance with these plans and specifications and the recommendations set forth in the geotechnical report completed for this project. In the absence of a geotechnical report, all earthwork activities must comply with the standard state Department of Transportation (DOT) specifications (latest edition) and any amendments or revisions thereto. All earthwork activities must comply all applicable requirements, rules, statutes, laws, ordinances and codes for the jurisdictions where the work is being performed.
 - 29. The contractor is responsible for removing and replacing unsuitable materials with suitable materials. All excavated or filled areas must be properly compacted. Moisture content at time of placement must be submitted in a compaction report prepared by a qualified geotechnical engineer, licensed in the state where the work is performed, verifying that all filled areas and subgrade areas within the building pad area and areas to be paved have been compacted in accordance with these plans, specifications and the recommendations. Subbase material for building pads, sidewalks, curb, or asphalt must be free of organics and other unsuitable materials. Should subbase be deemed unsuitable by Owner/developer or Owner/developer's representative, subbase is to be removed and filled with suitable material and properly compacted at the contractor's expense. All fill, compaction. and backfill materials required for utility installation must be coordinated with the applicable utility company specifications. The Engineer shall have no liability or responsibility for or as related to fill, compaction, backfill, or the balancing of earthwork.
 - 30. Pavement must be saw cut into straight lines and must extend to the full depth of the existing pavement, except for edge of butt joints.
 - must be adjusted as necessary, to match proposed grades.
 - 32. Where retaining walls (whether or not they meet the jurisdictional definition) are identified on plans, elevations identified herein are for the exposed portion of the wall. Wall footing/foundation elevations are not identified herein and are to be set/determined by the contractor based on final structural design shop drawings prepared by an appropriate professional licensed in the state where the construction occurs.
 - 33. Unless indicated otherwise or required by the authority having jurisdiction, all pipes shall be as follows:
 - Reinforced Concrete pipe (RCP) shall meet the requirements of AASHTO M 170 Class IV with silt tight joints.
 - High—Density Polyethylene pipe (HDPE) shall conform to AASHTO M 294, Type S (smooth interior with angular corrugations) with gaskets for silt tight joints.
 - Polyvinyl chloride (PVC) pipe for roof drain connections shall be SDR 35 gasket pipe. Polyvinyl Chloride (PVC) pipe for sanitary sewer pipe shall be SDR 35 gasket pipe.
 - 34. Storm sewer pipe lengths indicated are approximate and measured to the inside of inlet and/or manhole structure. Sanitary sewer pipe lengths indicated are approximate and measured to center of inlet and/or manhole structure to center of structure.
 - 35. Stormwater roof drain locations are approximate and are based on preliminary architectural plans. Contractor is responsible for reviewing and coordinating the final architectural plans to verify final locations and sizes of all roof drains.
 - 36. Sewers crossing streams and/or location within 10 feet of the stream embankment, or where site conditions so indicate, must be constructed of steel, reinforced concrete, ductile iron or other suitable material. Sewers conveying sanitary flow, combined sanitary and stormwater flow or industrial flow must be separated from water mains by a distance of at least 10 feet horizontally. If such lateral separations are not possible, the pipes must be in separate trenches with the sewer at least 18 inches below the bottom of the water main, or such other separation as approved by the agency with jurisdiction over same. Where appropriate separation from a water main is not possible, the sewer must be encased in concrete, or constructed of ductile iron pipe using mechanical or slip—on joints for a distance of at least 10 feet on either side of the crossing. In addition, one full length of sewer pipe should be located so both joints will be as far from the water line as possible. Where a water main crosses under a sewer, adequate structural support for the sewer must be provided.
 - 37. Contractor's price for water service must include all fees, costs and appurtenances required by the utility to provide full and complete working

- 38. Contractor must contact the applicable water company to confirm the proper water meter and vault, prior to commencing construction. Water main and water service piping shall be installed in accordance with the requirements and specifications of the water authority having jurisdiction. In the absence of such specifications, water main piping must ductile iron (DIP) minimum Class 54. All work and materials must comply with the applicable American Water Works Association (AWWA) standards in effect at the time of the service application.
- 39. The contractor shall ensure that all work located in existing pavement be repaired in accordance with municipal, county and/or DOT details as applicable. Contractor is responsible to coordinate the permitting, inspection and approval of completed work with the agency having jurisdiction over the
- 40. Where sump pumps are installed, all discharges must be connected to the storm sewer or discharged to an approved location.
- 41. For single and multi-family residential projects, spot elevation(s) adjacent to the buildings are schematic for non-specific building footprints. Grades must be adjusted based on final architectural plans and shall provide a minimum of six (6) inches below top of foundation/concrete and/or six (6) inches below the façade treatment, whichever is lower, and must provide positive drainage away from the structure (minimum of 2%). All areas shall be graded to preclude ponding adjacent to buildings, and on or adjacent to walks/driveways leading to the buildings. All construction, including grading, must comply with all applicable building codes, local, state and federal requirements, regulations and ordinances.
- 42. Contractor shall maintain and control traffic on and offsite in conformance with the current Federal Highway Administration (FHWA) "Manual on Uniform Traffic Control Devices" (MUTCD), and the federal, state, and local regulations for all aspects of demolition and site work. If a Maintenance of Traffic Plan is required for work that affects public travel either on or offsite, the contractor shall be responsible for the cost and implementation of said plan.
- 43. All temporary and permanent onsite and offsite signage and pavement markings shall conform to MUTCD, ADA, state DOT, and/or local approval
- 44. Contractor shall prevent the emission of dust, sediment, and debris from the site, and shall be responsible for corrective measures such as street sweeping, and clean-up work as deemed necessary by the Engineer orthe authority having jurisdiction.
- 45. All concrete must be air entrained with a minimum compressive strength of 4,000 psi at 28 days unless otherwise specified on the plans, details and/or geotechnical report.
- 46. The Engineer will review contractor submittals which the contractor is required to submit, but only for the sole purpose of checking for general conformance with the intent of the design and contract documents. The Engineer is not responsible for any deviations from the construction documents unless contractor received explicit direction to do so, in writing, from the Engineer. The contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, and for techniques of assembly and/or fabrication processes.
- 47. All dimensions are to face of curb, edge of pavement, or edge of building, unless noted otherwise.
- 48. The contractor shall install and/or construct all aspects of the project in strict compliance with and accordance with manufacturer's written installation standards, recommendations and specifications.
- AMERICANS WITH DISABILITY ACT NOTES TO CONTRACTOR:
- The contractor shall review the proposed construction with the local building official prior to the start of construction. Contractors shall be precise in the construction of Americans with Disabilities Act (ADA) accessible parking, components, and accessible routes for the project. These components shall comply with all applicable state and local accessibility laws and regulations and the current ADA regulations and construction standards. These components include, but are not limited to the following:
- Parking spaces and parking aisles shall not exceed a 1:50 (nominally 2.0%) slope in any direction.
- Accessible routes shall be a minimum of 36" wide (unobstructed). Handrails and car overhangs may not obstruct these areas. Longitudinal slopes (direction of travel) shall not exceed 1:20 (5.0%) and shall have a cross slope no greater than 1:50 (2.0%).
- Accessible routes exceeding 1:20 (5.0%) shall be considered a "ramp". Maximum slopes of a ramp shall be 1:12 (8.3%) in the direction of travel, and a cross slope of 1:50 (2.0%). Ramps shall have maximum rise of thirty (30) inches, shall be equipped with hand rails on both sides, and landings at the top and bottom of the ramp. Landings shall not exceed 1:50 (2.0%) in any direction and have positive drainage away from the landing.
- A landing shall be provided at the exterior of all doors and at each end of ramps. Landings shall not exceed 1:50 (2.0%) in any direction and have positive drainage away from the landing and/or building. The landing shall be no less than 60 inches long unless permitted otherwise per the ADA
- Curb ramps— shall not exceed a 1:12 (8.3%) slope for a maximum length of six (6) feet or a maximum rise of six (6) inches.
- The contractor shall verify all existing elevations shown on the plan in areas of existing doorways, accessible routes or other areas where re-construction is proposed. The contractor shall immediately notify the Owner and Engineer in writing if any of the proposed work intended to meet ADA requirements is incapable of doing so, or if there is any ambiguity regarding which design components are intended to meet ADA requirements. The contractor shall not commence the work in the affected area until receiving written resolution

| EXISTING | DESCRIPTION | PROPOSED |
|--|--|--|
| RINGS | | |
| ₽ | BORING / TEST PIT LOCATION | ₽ |
| | LOCATION | • |
| MMUNICATION | UNDERGROUND | |
| c _x c _x - | COMMUNICATION LINES | C |
| MESTIC WATER | | |
| w _x w _x - | - WATER MAIN - | w |
| ws _x | - WATER SERVICE - | ws |
| | - FIRE SERVICE LINE - | |
| NPW _x | NON-POTABLE WATER | NPW — |
| | LINE | |
| | WATER VALVE / FIXTURES | \odot \triangle $\stackrel{wv}{\bowtie}$ \triangle |
| ۵ | FIRE HYDRANT | A |
| JID FUEL | | |
| LF _X | - MAIN LIQUID FUEL LINE - | LF |
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| LFS _X | LINE | LFS |
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| GS _x | - GAS SERVICE LINE - | GS |
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| E0 _x — | OVERHEAD | ЕО |
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| <u></u> | UTILITY POLE | — |
| PERTY | 5 | |
| <u> </u> | _ DROBERTY LINE | |
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| | EASEMENT LINE | |
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| | MONUMENT | • |
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| DS SION CONTROL | MONUMENT — GUARD RAIL — SILT FENCE — 4" DOUBLE SOLID YELLOW LINE | • • |
| DS SION CONTROL | MONUMENT GUARD RAIL SILT FENCE 4" DOUBLE SOLID YELLOW LINE 4" SINGLE SOLID WHITE | • • • • • • • • • • • • • • • • • • • |
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| ITARY SEWER SSA SSA SSA RM SEWER RM SEWER RLx SRA UD SA RLx UD SA UD SA | MONUMENT GUARD RAIL SILT FENCE 4" DOUBLE SOLID YELLOW LINE 4" SINGLE SOLID WHITE LINE BIT. CONC. LIP CURB PRECAST CONCRETE CURB SANITARY SEWER MAIN SANITARY SEWER MANHOLE STORM DRAIN PIPE ROOF LEADER UNDERDRAIN STORM DRAIN MANHOLE CURB INLET CATCH BASIN | SF |
| SION CONTROL | MONUMENT GUARD RAIL SILT FENCE 4" DOUBLE SOLID YELLOW LINE 4" SINGLE SOLID WHITE LINE BIT. CONC. LIP CURB PRECAST CONCRETE CURB SANITARY SEWER MAIN SANITARY SEWER MANHOLE STORM DRAIN PIPE ROOF LEADER UNDERDRAIN STORM DRAIN MANHOLE CURB INLET | DSYL SSWL BCLC PCC S S SS SS SS SS D RL |
| SION CONTROL SION CONTROL FEATURES SITARY SEWER SX S RM SEWER RM SEWER RL S COGRAPHY | MONUMENT GUARD RAIL SILT FENCE 4" DOUBLE SOLID YELLOW LINE 4" SINGLE SOLID WHITE LINE BIT. CONC. LIP CURB PRECAST CONCRETE CURB SANITARY SEWER MAIN SANITARY SEWER MAIN SANITARY SEWER MANHOLE STORM DRAIN PIPE ROOF LEADER UNDERDRAIN STORM DRAIN MANHOLE CURB INLET CATCH BASIN YARD DRAIN | DSYL SSWL BCLC PCC Ss Ss Ss Ss Ss Ss Ss Ss Ss |
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| DITARY SEWER SITARY SEWER SI | MONUMENT GUARD RAIL SILT FENCE 4" DOUBLE SOLID YELLOW LINE 4" SINGLE SOLID WHITE LINE BIT. CONC. LIP CURB PRECAST CONCRETE CURB SANITARY SEWER MAIN SANITARY SEWER MAIN SANITARY SEWER MANHOLE STORM DRAIN PIPE ROOF LEADER UNDERDRAIN STORM DRAIN MANHOLE CURB INLET CATCH BASIN YARD DRAIN | DSYL SSWL BCLC PCC Ss Ss Ss Ss Ss Ss Ss Ss Ss |
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LEGEND

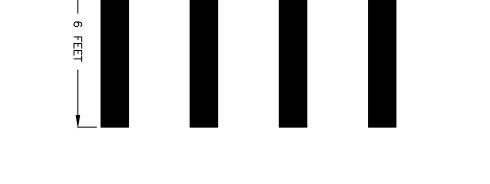


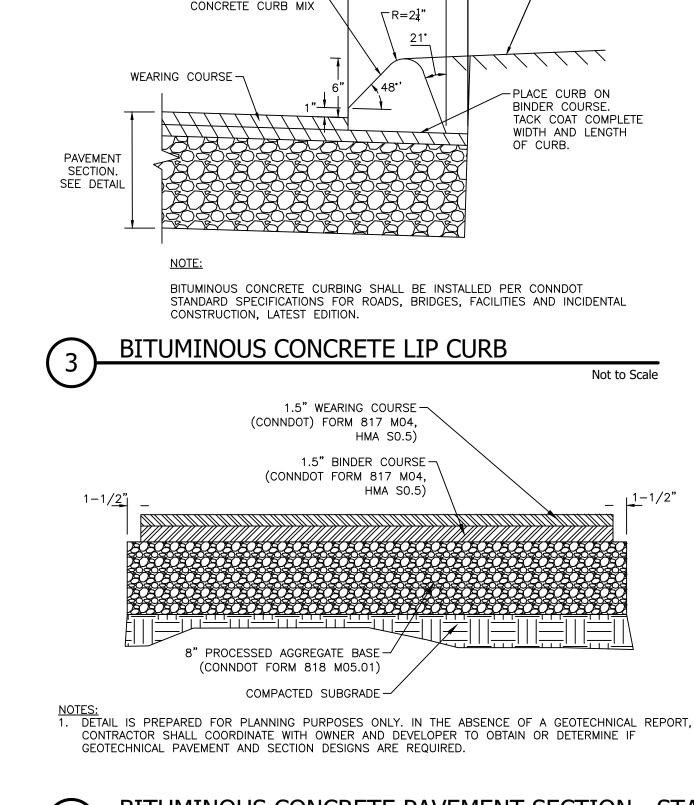


PROPERTY OWNERS: MCGUIRE ROAD ASSOCIATES LLC 111 FARM BROOK LANE SOUTH WINDSOR, CT 06074 PETER CHURILO

PO BOX 98 BISSEL STA

SOUTH WINDSOR, CT 06074 **APPLICANT:** PRIME WELLNESS OF CONNECTICUT LLC 75 JOHN FITCH BOULEVARD SOUTH WINDSOR, CT 06074





CONNDOT BITUMINOUS

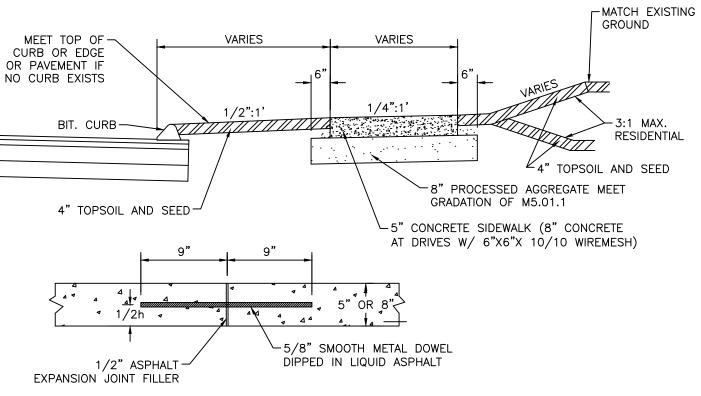
BITUMINOUS CONCRETE PAVEMENT SECTION - STANDARD DUTY

-FINISHED GRADE

Not to Scale

 $_{1}1-1/2$ "

VARIES MIN. TOOLED JOINTS WITH DEPTH 3/8" (TYP.) 1/2" APSHALTIC EXPANSION JOINT MATL. ✓—NOTE: DOWELS SHALL BE PLACED AT CONSTRUCTION JOINTS AND WHERE NEW CONCRETE MEETS EXISTING CONCRETE (SEE DETAIL).



EXPANSION JOINT

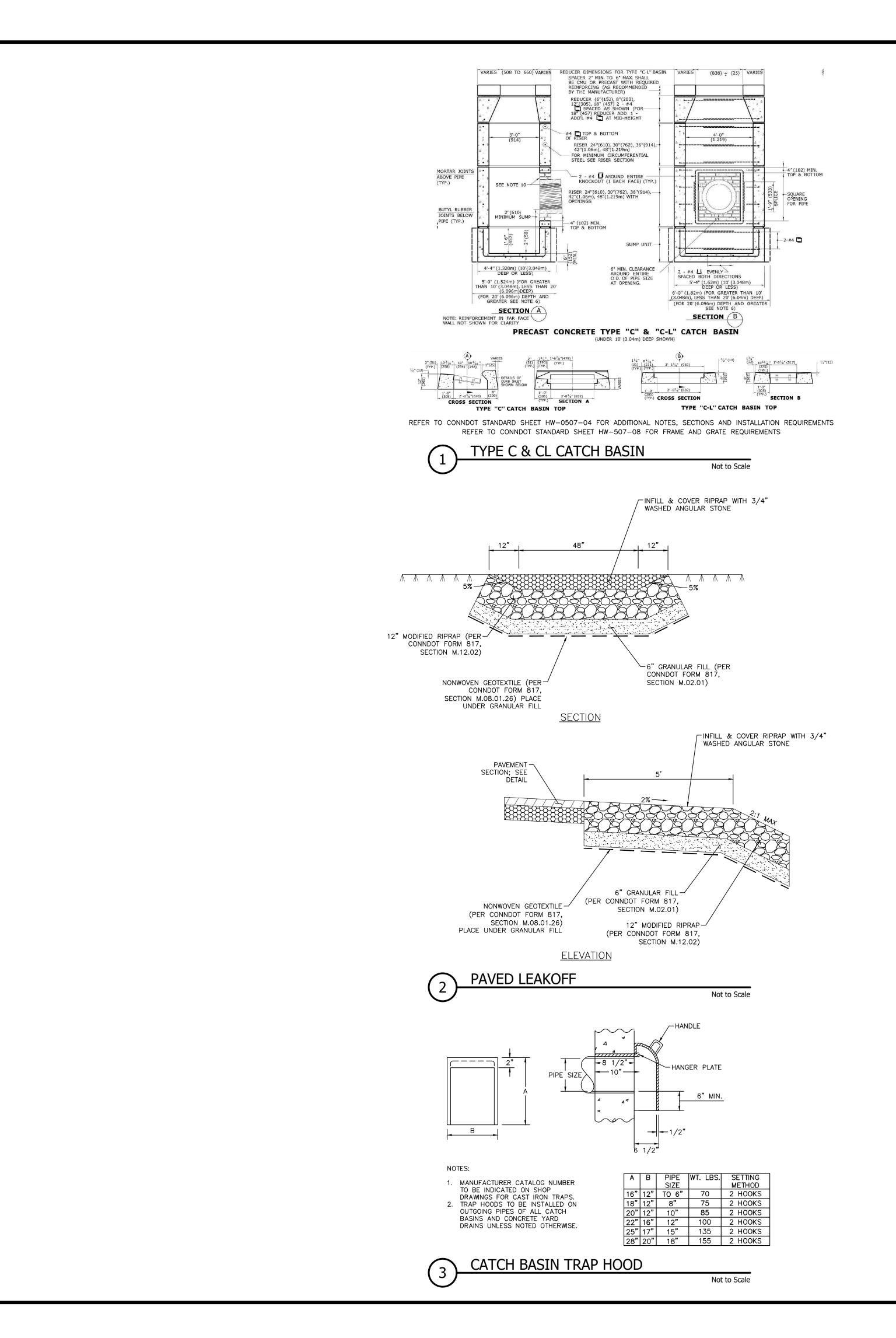
NOTES:

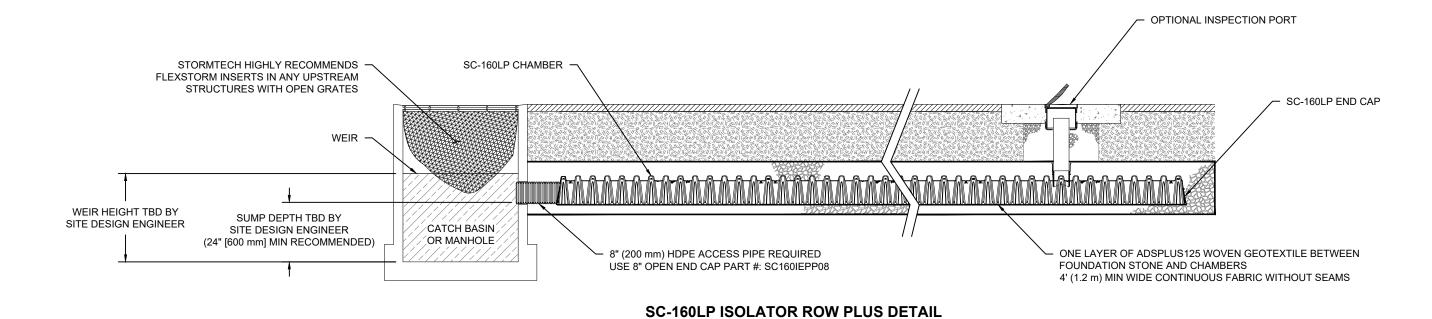
- 1. ALL CONCRETE FOR SIDEWALKS SHALL BE CLASS 'F'. MEET CONNECTICUT D.O.T.
- SPECIFICATIONS. REFER TO FORM 817. 2. CONCRETE SURFACE TO BE SCORED AT 5 FOOT INTERVALS.
- EXPANSION JOINTS SHALL BE INSTALLED EVERY 15 FEET.
- 4. PROVIDE BROOMED FINISH PERPENDICULAR TO TRAVEL PATH

Not to Scale

TRAFFIC ARROW

Not to Scale





STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT

INSPECTION & MAINTENANCE

A. INSPECTION PORTS (IF PRESENT) A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN

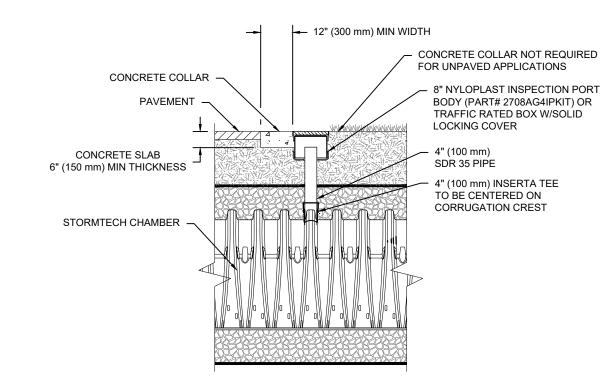
VACUUM STRUCTURE SUMP AS REQUIRED

- REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
- LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL) A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
- USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
- B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3. STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS

ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE

- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

- 1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- 2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



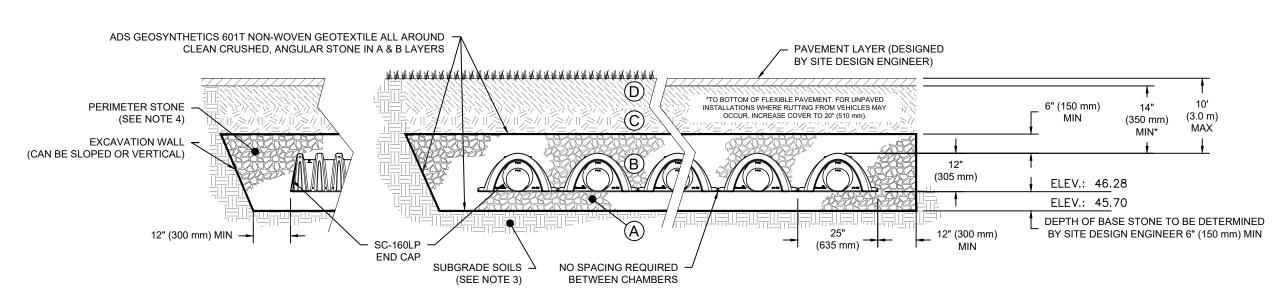
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

ACCEPTABLE FILL MATERIALS: STORMTECH SC-160LP CHAMBER SYSTEMS

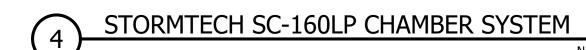
| | MATERIAL LOCATION | COMPACTION / DENSITY REQUIREMENT | | |
|---|---|--|---|--|
| D | FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER | ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS. | N/A | PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS. |
| С | INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 14" (355 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER. | GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER. | AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN). |
| В | EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57 | NO COMPACTION REQUIRED. |
| А | FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57 | PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3} |

- 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE". STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGNS, CONTACT STORMTECH FOR
- 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



- 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"
- 2. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS
- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 1.5"
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1. PRIOR TO ORDERING UNDERGROUND CHAMBER COMPONENTS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER TO CONDUCT CONFIRMATORY TEST PITS AND A PERCOLATION TESTING TO CONFIRM DEPTH THE WATER AND DESIGN INFILTRATION RATE.



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