



**CITY OF STAMFORD  
ENGINEERING BUREAU  
OFFICE OF OPERATIONS  
STREET OPENING PERMITS**

**General Information for Obtaining Street Opening Permits:**

Time Schedule  
Street Opening Permit Specifications and General Conditions  
Street Opening Permit Application Form  
Storm Waiver Form (for Storm sewer connection)  
Insurance Requirements  
Bond form  
Restoration Details  
Call Before You Dig Information

## **TIME SCHEDULE FOR OBTAINING PERMITS:**

1. Non-emergency work: Permit must be obtained at least forty-eight (48) hours. prior to start of work. The Engineering Bureau division of Office of Operation must then be notified at least forty-eight (48) hours prior to starting work.
2. Emergency work: If a permit cannot be obtained prior to starting work, a phone call to the Street Opening Department is required by calling 203-977-4189 during regular business hours, and after hours by calling the City Garage at 203-977-4601. A permit must be obtained by 10:00 a.m. the following business day in any case.

It is the policy of the City of Stamford, Office of Operations that all Contractors must obtain a Street Opening Permit for any excavation work within any City of Stamford street or right-of-way. This applies to any type of excavation work being done within actual street or outside the street, but within the right-of-way. Following are the requirements for obtaining a Street Opening Permit:

THESE DOCUMENTS MUST BE ON FILE IN THE ENGINEERING BUREAU DIVISION OF THE OFFICE OF OPERATIONS:

- 1) A Call Before You Dig Number.
- 2) Current certification of insurance of the types and amounts specified in the City of Stamford, Engineering Bureau insurance requirements for obtaining Street Opening Permits.
- 3) A Surety Bond posted with the City of Stamford for the amount of the construction cost within the property of the City of Stamford. A detailed cost estimate must be provided to substantiate the bond value. The mandatory bond can be posted in two (2) forms:
  - a) Certified check which will be released upon final inspection and acceptance of the work by the Bureau Engineering.
  - b) A site specific Street Opening and/or excavation bond. See form in rear of this Street Opening package.

THIS INFORMATION MUST BE SUBMITTED FOR EACH PERMIT:

- 1.) The request number issued by Call Before You Dig.
- 2.) One (1) copy of an excavation plan showing the location and extent of work to be done.
- 3.) A written description of the location and type of work to be done.
- 4.) Permit fee. (Make checks payable to the CITY OF STAMFORD.) \$125.00
- 5.) Authorization from the Office of Operations and a list of their requirements for each job.
- 6.) A current Certificate of Insurance of the types and amounts specified.

Street Opening Permits

- 7.) A Surety Bond posted with the City of Stamford for the amount of 100% of the construction cost within property of the City of Stamford. A detailed Cost Estimate must be provided to substantiate the bond value.  
NOTE: MINIMUM BOND \$2,000.00 for a period of 2 years.
- 8.) Nearest intersection and approximate distance or number and distance from nearest utility pole must be indicated.
- 9.) Location, size and type of trees on City Right-of-way.
- 10.) A schedule for construction showing dates and times must be submitted to the City Engineer, for approval.
- 11.) Note staging and for plans must be submitted with it's application for approval. All traffic control measures in the plans must conform to Part VI of the Manual on Uniform Traffic Control Devices.
- 12.) If street is recently paved or reconstructed within last 2 years special permission must be given by Director of Operations.

## **STREET OPENING PERMIT SPECIFICATIONS AND GENERAL CONDITIONS**

1. Unless given special instructions by the Director of Operations or by the City Engineer, all construction shall be in accordance with City Engineering Standards and City Codes and Ordinance.
2. All excavated material shall be placed outside the traveled portion of the road or sidewalk.
3. In backfilling, only appropriate excavated material shall be reused in courses not exceeding eight (8") inches in depth (loose measure). Each course must be machine-compacted thoroughly. When completed, the patch must conform exactly to the line and grade of the road. In no case shall the patch extend above or below the adjacent paved area.
4. It is the Contractor's responsibility to abide by the conditions set by the City of Stamford, Traffic Engineering Division. This should include, but not be limited to police officers or flagmen, proper warning; sign flashers, barricades, etc.
5. Streets cannot be closed without written permission from the City of Stamford, Traffic Engineering Division.
6. The Contractor is prohibited from allowing equipment to track mud, dirt, debris, dangerous materials or other nuisances onto the roads or sidewalks. The Contractor is responsible for sweeping road and sidewalk at the end of each work day. All construction areas and excavations shall be kept clean.
7. The work area must be secured and made safe to the public at all times, by using signs, ribbons, cones, barrels with flashing lights, etc.
8. If it becomes necessary to remove or relocate any existing signs, fixtures or utilities, the Contractor must first obtain the permission of the owner.
9. Where trees or shrubs are to be disturbed the Contractor must notify the City of Stamford and the adjacent property owner before proceeding. The Contractor will be required to replace any damaged trees or shrubs.
10. Failed patches or other unsafe conditions must be secured and made safe within four (4) hours after notification, signs, ribbons, cones, barrels with flashing lights, etc., should be used. Repairs to patches or other defective conditions must be made within twenty-four (24) hours after notification. Patches will be made in accordance with City construction standards.
11. The Office of Operations, Engineering Bureau must be notified at least twenty-four (24) hours prior to placing final patches. Final patches shall be made as soon as it has been determined that the trench has fully settled. Once the final patch is installed and inspected the Contractor must notify the City Engineer (Street Opening permits), in writing, to receive proper credit for the final repair.
12. The permit holder is responsible, however, for maintaining the final patch for a period of two (2) years. This does not limit the Contractor's responsibility for claims arising after two (2) years that are directly related to his negligence or poor workmanship. The contractor must request in writing release of a Bond to the Engineering Bureau. No Bond will be released until the Engineering Bureau has performed final inspection and any requested work completed.
13. The holder of this permit assumes all responsibility connected with the work. The presence of a representative of the City of Stamford does not relieve him of this responsibility either for the quality or nature of said work, or accidents to persons or property resulting therefrom.
14. The acceptance of this permit constitutes agreement to all the conditions/restrictions set forth in this permit.
15. All excavations shall be backfilled on a daily basis and capped with 3" of asphalt within 24 hours, weather permitting.
16. If proposed construction will have an impact on private property or City property which is maintained by the local residents, the Contractor shall inform the local residents at least 3 days before the construction begins. It is the contractor's responsibility not to inconvenience any local resident, or business owner.
17. All catch basins shall be kept clean by the installation of approved sedimentation and erosion control measures. These shall include, but not be limited to placement of hay bales and silt fencing.
18. Whenever construction involves sidewalks in the Downtown District, special approval by Norman Cole (Principal Planner), must be granted, as well as, permission by the City Engineer.
19. All surveying monuments shall be replaced, if disturbed.
20. Applications for permits on roads paved within the last 24 months must be approved by the Director of Operations or designee. Special conditions may be repaired when performing work on these roads.
21. Temporary patches/repairs must be maintained until permanent repair is accepted by the City.
22. All permanent repairs must be completed within four (4) months, or when asphalt plants open or whichever is earlier.
23. Permit is subject to revocation at any time by the issuing Authority or in the event of the failure by the permittee to comply with any of the terms of this permit.

\*Penalties for violations of any condition of this permit shall be in accordance with Chap. 214 Article II, Stamford Code 1986

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### **Traffic Engineering Division Permit Conditions**

- All signs must conform to MUTCD Manual as to size and color.
- Compliance with Traffic Commission recommended practice. Manual available at office. Detour not allowed unless specified.
- Working hours Monday through Friday non-holidays only unless otherwise approved.
- Maintain Two Way Traffic at all Times.
- All Traffic lanes and pedestrian sidewalks must remain clear unless otherwise approved.

## IMPORTANT NOTICE TO ALL STREET OPENING AND STREET USE PERMIT HOLDERS:

Permit holders are required to comply with the Traffic Engineering conditions of the Street Use or Street Opening permits issued by the City of Stamford. If the permit requires manual traffic control, the Auxiliary Services Bureau of the Police Department (203-977-4425) must be contacted at least 24 hours, preferably 48 hours, in advance of the start of permitted work to arrange for a police officer to provide manual traffic control. If a police officer cannot be obtained, the permit holder must contact the Traffic Engineering Division at 203-977-4189 or 203-977-5066 to receive permission to utilize a certified flagperson. The Traffic Engineering Division will allow the use of a certified flagperson only in cases where it is determined that every effort was made by the contractor to employ a police officer and the use of a flagperson will not result in unsafe traffic operating conditions. In such instances, the use of the certified flagperson is applicable only to that particular day and site.

Failure to comply with the Traffic Engineering conditions of the Street Opening or Street Use permit may result in closure of the job and a revocation of the permit.

**CITY OF STAMFORD**  
OFFICE OF OPERATIONS  
888 WASHINGTON BLVD.  
STAMFORD, CT 06904-2152



**STREET OPENING PERMIT APPLICATION**

PERMIT FEE: \$125.00      CHECK AMOUNT: \_\_\_\_\_ CHECK # \_\_\_\_\_

PURPOSE OF OPENING \_\_\_\_\_

SQUARE FEET: \_\_\_\_\_ CALL BEFORE YOU DIG (Ticket no.) \_\_\_\_\_  
(Tel. No. 1-800-922-4455)

PROPERTY OWNER'S NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CONTRACTOR'S NAME: \_\_\_\_\_

SUB-CONTRACTOR'S NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

BUS. TEL.: \_\_\_\_\_ 24-HR. EMERG. # \_\_\_\_\_ FAX # \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

LOCATION OF OPENING\* \_\_\_\_\_

(\*Reference House No., nearest intersection and/or pole no., lot no. if applicable. Location to be indicated in the field in white paint.)

CONSTRUCTION COST: \_\_\_\_\_  
(A detailed cost estimate must be provided to substantiate the bond value.)

EST. CONST. PERIOD: \_\_\_\_\_ APPROX. START DATE: \_\_\_\_\_

**SKETCH** - 1 copy , min. size 8 1/2" X 11", show nearest intersection. North arrow to be indicated.

**WAIVER** - needed for storm sewer installation only.

**DRIVEWAY APPLICATION:** Indicate type of finish pavement and width of driveway.

**CERTIFICATE OF INSURANCE** - An original copy must accompany application or be on file before permit will be issued. The City of Stamford must be listed as additional insured and the main certificate holder, with one million dollars general liability.

EXCAVATION BOND AMOUNT: \_\_\_\_\_ BOND NO.: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

ALLOW FOR 48-72 HRS. TO PROCESS PERMIT APPLICATION AFTER ALL INFORMATION IS SUBMITTED. A MINIMUM 48 HRS. ADVANCE NOTICE IS REQUIRED BEFORE BEGINNING WORK. CALL 203-977-4189 BETWEEN 8-9 A.M.

**CITY OF STAMFORD  
OFFICE OF OPERATIONS  
BUREAU OF ENGINEERING**

**WAIVER COVERING STORM SEWER CONNECTION**

WHEREAS, the CITY OF STAMFORD has granted to the undersigned, the privilege to connect with the City-owned storm water sewer located on \_\_\_\_\_ Street and being in the vicinity of property owned by undersigned, at \_\_\_\_\_ Street, Stamford, Connecticut and which privilege of connecting with said storm water sewer and has been or shall be at the expense of the undersigned.

NOW, THEREFORE, I \_\_\_\_\_ of, the CITY OF STAMFORD, COUNTY OF FAIRFIELD AND STATE OF CONNECTICUT, the undersigned, owning property located at \_\_\_\_\_ Street, Stamford, Connecticut for and in consideration of the privilege heretofore granted to me to connect with the storm water system of the City of Stamford, do hereby expressly waive any and all claims for damages after such connection has been made arising from the backing up of any water from said storm sewer onto my property or for failure of said storm water sewer to absorb any water origination on my said land or for the stoppage, failure or faulty construction of said storm water sewer where I have connected with the same or any part of the entire system, or for any other reason.

AND FURTHERMORE, I do hereby agree to hold the said City of Stamford free and harmless from any liability as aforesaid or from any suit or claim arising under the circumstances above stated, or from any suit or claim presented by any person claiming by, under or through me.

In the Present of:

\_\_\_\_\_(L.S.)  
DATE \_\_\_\_\_

STATE OF CONNECTICUT    )  
  ) ss.Stamford  
COUNTY OF FAIRFIELD    )

Personally appeared \_\_\_\_\_ signer and sealer of the  
foregoing instrument and acknowledged the same to be \_\_\_\_\_ free act and  
deed, before me.

\_\_\_\_\_  
Notary Public

Date \_\_\_\_\_



## STREET OPENING AND/OR EXCAVATION BOND

PERMIT NO. \_\_\_\_\_ BOND NO. \_\_\_\_\_

**KNOW ALL BY THESE PRESENTS** that we \_\_\_\_\_  
as principals and \_\_\_\_\_ as surety, are held  
and firmly bound unto the City of Stamford (Obligee) in the penal sum of  
\_\_\_\_\_, for which payment, well and truly to  
be made, we bind ourselves and our heirs, executors, administrators, successors and assigns,  
firmly by these presents. Signed with our hands and sealed with our seals this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Now the condition of this obligation is such that whereas said principal has applied for and received a construction permit for work in public streets, public alleys or public grounds in the City of Stamford.

Now, if said principal shall well and faithfully perform all work, for which the City of Stamford has issued said permit or permits, in accordance with specifications for such work as set forth by the City Engineer of the City of Stamford, and if the principal shall, for a period of two (2) years after the approval and acceptance of said work by the City Engineer of the City of Stamford, perform any and all repairs required to be made to any public street, public alley or public ground as a result of negligent or improper methods or material or any other fault, defect or omission in the performance and/or excavation(s), said repair(s) to be performed as directed by, and within the time limits specified by, and subject to the approval of the City Engineer of the City of Stamford, and if the principal shall indemnify the said City of Stamford for all damages to any city property resulting from his work operations, regardless of whether such damage is done by himself, his agents, employees or sub-contractors, then this obligation shall be void, otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Owner.

Whenever principal shall be, and declared by City (Obligee) to be in default, under the contract, the City having performed City's obligations thereunder, the surety may promptly remedy the default, or shall promptly.

1. Complete the contract in accordance with its terms and conditions, or
2. Obtain a bid or bids for completing the contract in accordance with its terms and conditions, and upon determination by surety of the lowest responsible bidder, or if the City elects, upon determination by the City and the surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and City, and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price" as used in this paragraph, shall mean the total amount payable by City to contractor under the contract and any amendments thereto, less the amount properly paid by City to contractor.

No right of action shall accrue on this bond to or for the use of any person or corporation other than the City named herein or the heirs, executors, administrators or successors of the City.

This bond may be canceled as to future liability by surety, effective thirty (30) days after service of notice by registered mail on principal and said City of Stamford. Nothing herein contained shall relieve principal and surety of the obligation to perform any and all repairs of this above mentioned period of two years.

Signed, sealed and delivered in the presence of

\_\_\_\_\_  
Principal

By \_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Surety

By \_\_\_\_\_

\_\_\_\_\_  
Witness

Attorney-in-Fact

**AFFIDAVIT**

STATE OF CONNECTICUT

) ss.

COUNTY OF FAIRFIELD

\_\_\_\_\_ being first duly sworn, on oath deposed and says that he is an attorney-in-fact of the \_\_\_\_\_ Company, surety on the attached bond, executed by \_\_\_\_\_ (Contractor)

\_\_\_\_\_.

Affiant further deposed and says that no officer, official or employee of the City of Stamford has any interest, directly or indirectly, or is receiving any premium, commission, fee or other thing of value on account of the sale or furnishing of the policy, bond, undertaking or contract of indemnity, guaranty or suretyship in connection with the above mentioned contract.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ .

\_\_\_\_\_  
Notary Public

bond

**City of Stamford**  
**Certificates of Insurance Requirements**  
**(minimum requirements)**

1. General liability insurance, within a minimum limit of liability of \$1,000,000 combined single limit per occurrence for bodily injury and property damage. Coverage shall include, but not be limited to operations liability, products liability and completed operations and contractual liability, which insures the indemnity contained in this Agreement.
2. Automobile liability insurance if vehicles are utilized in the activity. Minimum limit of liability is \$1,000,000 combined single limit of liability per occurrence for bodily injury and property damage.
3. Workers' Compensation coverage, if applicable, which complies with the Workers' Compensation Regulations and Statutes of the State of Connecticut.
4. Employer's liability insurance, if applicable.
5. Professional liability insurance, with a minimum limit of liability of \$1,000,000 per claim or accident. This coverage is required of businesses, associations and other similar entities which have a professional component to their activities, e.g., architects, engineers, accountants, etc.
6. The City of Stamford, the Board of Education (for school-related activities and activities which take place on school grounds) and their employees, agents and officers designated as additional insureds under all liability policies except professional liability.
7. All insurance required hereunder shall contain provisions requiring thirty (30) days prior written notice of cancellation, termination or material change in coverage terms and conditions.

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

**PRODUCER**

NAME OF PRODUCER  
ADDRESS OF PRODUCER

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.**

**INSURERS AFFORDING COVERAGE**

NAIC #

**INSURED**

NAME OF INSURED  
ADDRESS OF INSURED

INSURER A: Insurance Company A  
INSURER B: Insurance Company B  
INSURER C: Insurance Company C  
INSURER D:  
INSURER E:

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR	XXXXXXXXXX	xx/xx/xx	xx/xx/xx	EACH OCCURRENCE \$ \$1,000,000 FIRE DAMAGE (Any one fire) \$ \$50,000 MED EXP (Any one person) \$ \$5,000 PERSONAL & ADV INJURY \$ \$500,000 GENERAL AGGREGATE \$ \$1,000,000 PRODUCTS - COMP/OP AGG \$ \$1,000,000
		GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC				
		<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	XXXXXXXXXX	xx/xx/xx	xx/xx/xx	COMBINED SINGLE LIMIT (Ea accident) \$ \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		<b>EXCESS/UMBRELLA LIABILITY</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE  DEDUCTIBLE RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	XXXXXXXXXX	xx/xx/xx	xx/xx/xx	WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ \$100,000 E.L. DISEASE - EA EMPLOYEE \$ \$500,000 E.L. DISEASE - POLICY LIMIT \$ \$100,000
		<b>OTHER</b>				

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS**

Includes interest of City of Stamford and its employees, agents and officers named as additional insured as their interest may appear.

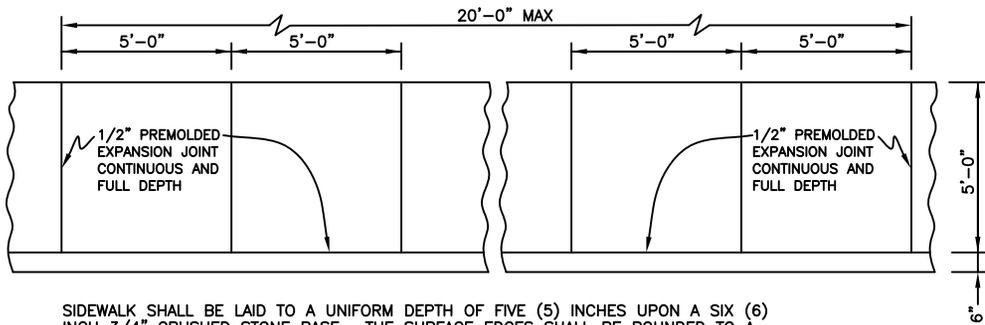
**CERTIFICATE HOLDER**

CITY OF STAMFORD  
ENGINEERING BUREAU  
888 WASHINGTON BLVD.  
STAMFORD, CT 06904

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



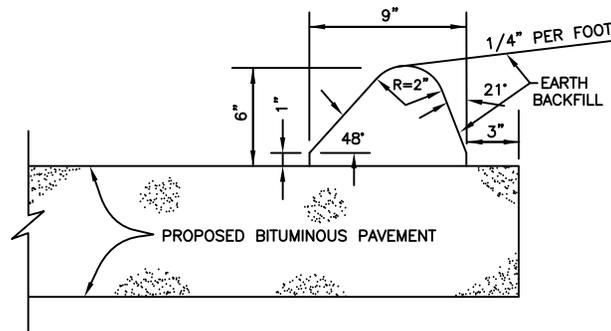
SIDEWALK SHALL BE LAID TO A UNIFORM DEPTH OF FIVE (5) INCHES UPON A SIX (6) INCH 3/4" CRUSHED STONE BASE. THE SURFACE EDGES SHALL BE ROUNDED TO A RADIUS OF 3/32 INCH. A 1/2" APPROVED BITUMINOUS JOINT SHALL BE PLACED TRANSVERSELY EVERY 20 FT. MAX. AND BETWEEN NEW CONCRETE CURBING AND SIDEWALKS. A CONTROL JOINT SHALL BE MADE AT 5' INTERVALS BETWEEN BITUMINOUS JOINTS. ANY CHANGES REQUIRED BY LOCAL CONDITIONS SHALL BE MADE ONLY BY ORDER OF THE CITY ENGINEER. CONTROL JOINTS SHALL BE A MIN. DEPTH OF 1" OR D/4

**PLAN OF A SECTION OF CONCRETE SIDEWALK**

SCALE: 1/4" = 1'-0"

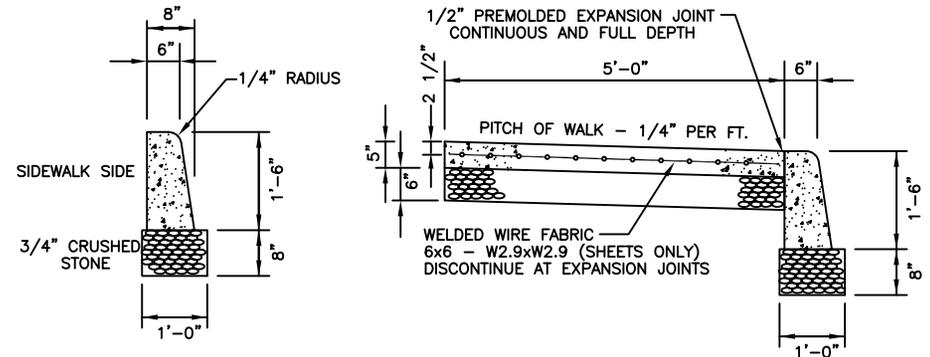
NOTES:

- 1) A 1/2" PREMOLDED EXPANSION JOINT SHALL BE UTILIZED BETWEEN ALL RIGID STRUCTURES (INCLUDING WALLS) AND NEW SIDEWALK WORK.
- 2) ADDITIONAL CONTROL JOINTS SHALL BE PLACED AS REQUIRED TO ELIMINATE ANY CONDITION WHICH WILL CAUSE STRESS VERTICES (EXAMPLE AT CORNERS OF STRUCTURES)
- 3) CONCRETE SHALL BE CLASS "C" CEMENT TYPE II (3000 PSI MIN.)
- 4) AIR ENTRAINMENT SHALL BE BETWEEN 6-7%



**BITUMINOUS CONCRETE LIP CURBING**

MACHINED FORMED

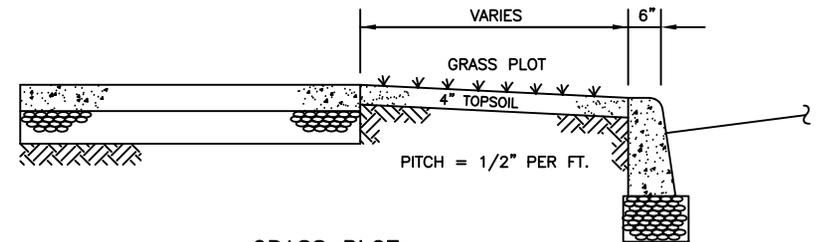


NOTES:

- 1) ALL CURBING TO BE CAST-IN-PLACE.
- 2) A 1/8" STEEL DIVISION PLATE SHALL BE PLACED AT EVERY 10 FEET OF CURBING & REMOVED AFTER CONCRETE HAS SET, A 1/2" APPROVED BITUMINOUS JOINT SHALL BE PLACED AT A MAX. OF EVERY 20 FEET COINCIDING WITH EXPANSION JOINT IN SIDEWALK
- 3) CONTRACTOR TO CONSTRUCT 2" BATTER ON CONCRETE CURBING (STREET SIDE ONLY)

**STANDARD CURB & SIDEWALK**

SCALE: 1/2" = 1'-0"



**GRASS PLOT**

NO.	DATE	DESCRIPTION	CK.
1	1/11	Rev. Notes C.I.P. Curb	
REVISIONS			
FILE NO.			

**CITY OF STAMFORD**

ENGINEERING BUREAU

SKETCHES & CALCULATIONS

Project No. & Name STANDARDS

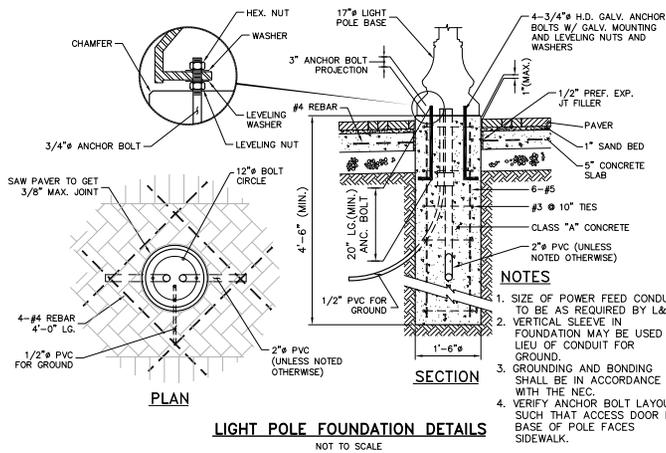
Subject SIDEWALKS & CURBING

Made by ELG Date 6/16/99

Chk. by AI Date 6/16/99

SW-1 Sheet No. 1 of 2





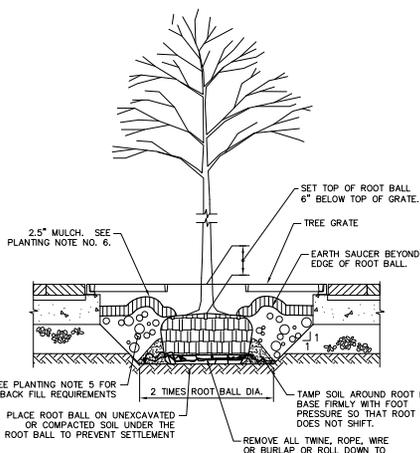
**LIGHT POLE FOUNDATION DETAILS**  
NOT TO SCALE

**PLANTING NOTES:**

- 1) EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
- 2) DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL TWIGS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
- 3) STAKE TREE BASED ON CRITERIA BELOW OR AS REQUESTED BY THE LANDSCAPE ARCHITECT.
- 4) WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- 5) BACK FILL WITH SOIL EXCAVATED TO MAKE HOLE. IN SANDY LOAM SOILS ADD CLEAN COMPOSTED ORGANIC MATERIAL (20% MAX. BY VOLUME) TO THE EXISTING SOIL.
- 6) DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH FREE OF WEEDS.

**STAKING NOTES:**

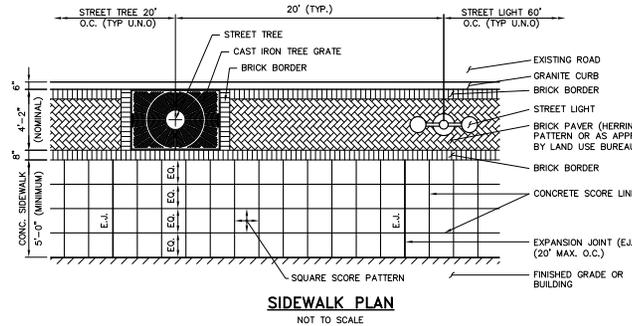
- 1) STAKING SHALL ONLY BE DONE IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF AND REMAIN STRAIGHT. STAKE TREES FOR THE FOLLOWING REASONS:
  - A. THE TREE IS INSTALLED WITHIN VERY SANDY SOIL OR VERY WET CLAY SOIL.
  - B. THE TREE IS LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS.
- 2) CONTACT THE PROJECT LANDSCAPE ARCHITECT FOR STAKING DETAIL IF NEEDED.



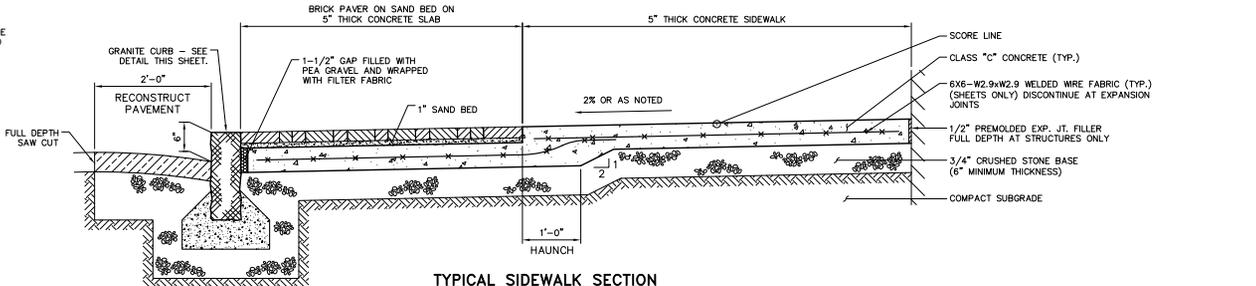
**TREE PLANTING DETAIL**  
NOT TO SCALE

**MISCELLANEOUS NOTES**

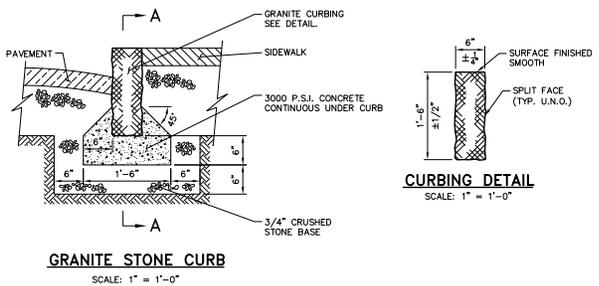
- 1) BRICK PAVERS TO BE 4" X 8" X 2 1/4", CAMBRIDGE PAVER, AS MANUFACTURED BY GLEN GARY PAVERS, MD ATLANTIC PLANT, REPRESENTED BY SPAULDING BRICK, BOSTON, MA, TEL.: (617) 666-3200 OR APPROVED EQUAL. PAVERS SHALL BE LAYED ONTO AN APPROVED SAND BED AND SHALL BE INSTALLED HAND TIGHT. SAW CUTS SHALL BE DONE IN A WORKMANLIKE MANNER THAT WILL RESULT IN STRAIGHT AND EVEN JOINT LINES. AFTER INSTALLATION, SAND SHALL BE SWEEP INTO JOINTS BETWEEN PAVERS FIELD TAMPED INTO SAND BED TO SET. SWEEP ADDITIONAL SAND INTO JOINTS TO FILL AS NECESSARY.
- 2) GRANITE FOR CURBING SHALL BE MOUNT AIRY LIGHT GRAY CURBING AS SUPPLIED BY NORTH CAROLINA GRANITE CORP., MT. AIRY, NC TEL.: (800) 227-6242, OR APPROVED EQUAL.
- 3) CONCRETE: CLASS "A" CONCRETE SHALL BE 3000 PSI CONCRETE HAVING A NOMINAL MAXIMUM COURSE AGGREGATE SIZE OF 1-1/2" (NO.4). CLASS "C" CONCRETE SHALL BE 3000 PSI CONCRETE MADE WITH TYPE II CEMENT, HAVING A NOMINAL MAXIMUM COURSE AGGREGATE SIZE OF 3/4" (NO.6) AND SHALL CONTAIN AIR ENTRAINMENT BETWEEN 6-7% AT THE TIME OF PLACEMENT. CONCRETE FOR EXPOSED SIDEWALKS SHALL BE FROM A SINGLE SOURCE PROVIDER FOR UNIFORMITY IN COLOR.
- 4) BASE FOR SIDEWALK TO BE NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE AND NATURAL OR CRUSHED SAND, ATSM 2940 WITH AT LEAST 90% PASSING A 1-1/2" SIEVE AND NOT MORE THAN 12% PASSING A NO. 200 SIEVE. COMPACT BASE TO NOT LESS THAN 95% OF MAXIMUM DRY UNIT WEIGHT TO ASTM D 1557.
- 5) CONCRETE WALKS TO BE SCORED CONCRETE USING AN 18" TO 24" SQUARE SCORING PATTERN AS NECESSITATED BY SIDEWALK WIDTH REQUIREMENTS. COLOR TO BE LIGHT GREY AS USED IN CITY OF STAMFORD STANDARD COMPACT SPEC. EACH SQUARE FINISHED WITH A SMOOTH 1/2" DEEP TOOLED EDGE AND DEEP BROOM SURFACE.
- 6) 1/2" THICK APPROVED PREMOLED BITUMINOUS EXPANSION JOINTS SHALL BE PLACED FULL DEPTH OF JOINT WHERE SHOWN ON PLAN.
- 7) STREET LIGHTING: CONTACT CITY OF STAMFORD ENGINEERING BUREAU FOR SPECIFIC LIGHTING REQUIREMENTS PRIOR TO ORDERING ANY MATERIALS. STREET LIGHTING MANUFACTURED BY HADCO. TWIN FIXTURE STREET LIGHT: S8203B LUMINAIRE; S8203B TWIN ARM WITH 120V DUPLEX WATERPROOF RECEPTACLE AND PLANTER RINGS; SP8203C 10'-POLE, FINISH: GREEN. SINGLE FIXTURE STREET LIGHT: S8203 LUMINAIRE; SP8203B 10' POLE WITH 120V DUPLEX WATERPROOF RECEPTACLE, FINISH: GREEN.
- 8) STREET TREE GRATES TO BE 4' X 6' CAST IRON TREE GRATE, TYPE U FRAME, R-8602-A, RECTANGULAR, WITH CAST IRON FRAME BY NEEHEM FOUNDRY COMPANY AS AVAILABLE THROUGH MEL GRANT ASSOCIATES, NEEDHAM, MA, TEL.: (800) 345-1432, OR APPROVED EQUAL. WELD CONCRETE ANCHORS TO FRAME AS SHOWN, OR PER MANUFACTURER'S RECOMMENDATIONS. INSTALL FRAMES AND GRATES AS PER MANUFACTURER'S INSTRUCTIONS.
- 9) STREET TREES SHALL BE OF THE TYPE AND SIZE APPROVED BY CITY OF STAMFORD LANE USE BUREAU.
- 10) PAVEMENT RECONSTRUCTION SHALL MATCH EXISTING, BUT IN NO CASE SHALL BE LESS THAN 1-1/2" OF CLASS 2 BITUMINOUS CONCRETE ON 2-1/2" OF CLASS 1 BITUMINOUS CONCRETE ON 8" OF PROCESSED AGGREGATE BASE. PAVEMENT COMPOSITION SHALL BE APPROVED BY ENGINEERING BUREAU.
- 11) THIS DRAWING IS INTENDED TO DEPICT TYPICAL STREETScape SIDEWALK DETAILS. DETAILS FOR RAMPS AND DRIVEWAYS SHALL BE SUBMITTED TO CITY OF STAMFORD ENGINEERING BUREAU AND LAND USE BUREAU FOR APPROVAL.



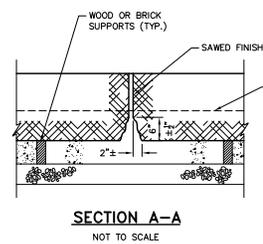
**SIDEWALK PLAN**  
NOT TO SCALE



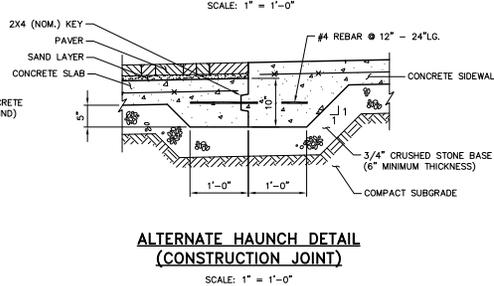
**TYPICAL SIDEWALK SECTION**  
SCALE: 1" = 1'-0"



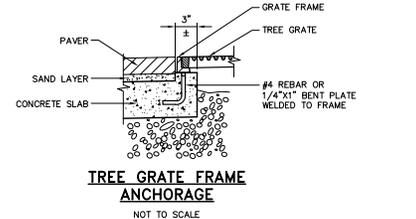
**GRANITE STONE CURB**  
SCALE: 1" = 1'-0"



**SECTION A-A**  
NOT TO SCALE



**ALTERNATE HAUNCH DETAIL (CONSTRUCTION JOINT)**  
SCALE: 1" = 1'-0"

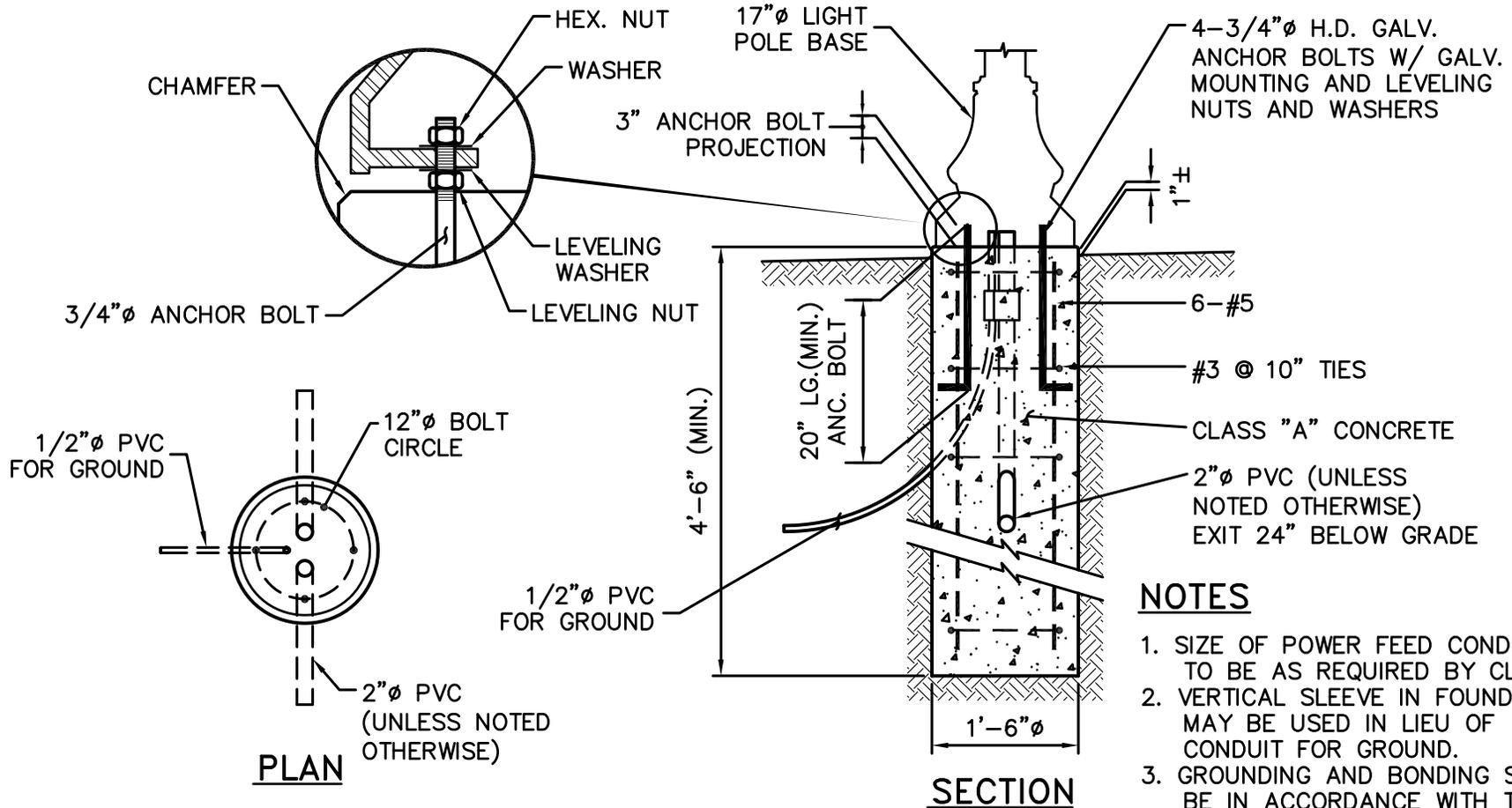


**TREE GRATE FRAME ANCHORAGE**  
NOT TO SCALE

4-5	10/26/07	REVISE FOUNDATION ANCHORAGE AND NOTES							
3	7/17/09	REVISE FOUNDATION							
2	11/13/08	GRANITE CURBING - CONCRETE CLARIFICATION							
1	5/8/08	REVISE FOUNDATION DEPTH							
NO.	DATE	DESCRIPTION	OK BY						
		REVISIONS		Louis Casolo, Jr., P.E.					
FILE NO.: COS Streetscape details Rev 5 2-7-11.dwg		PLOT DATE: 2/7/11	CITY ENGINEER						


**CITY OF STAMFORD**  
 OFFICE OF OPERATIONS  
 ENGINEERING BUREAU

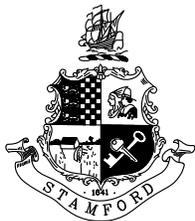
PROJECT TITLE:		DRAWING TITLE:	CITY OF STAMFORD STREETScape DETAILS	SCALE:	AS NOTED
					PROJECT NO.:
					DRAWING NO.:
					SSD-1
					SHEET NO.:
					X OF X



**NOTES**

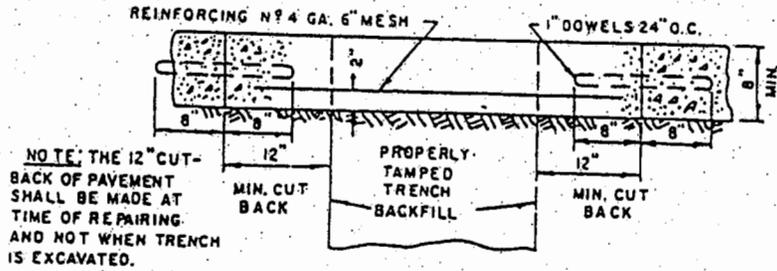
1. SIZE OF POWER FEED CONDUIT TO BE AS REQUIRED BY CL&P.
2. VERTICAL SLEEVE IN FOUNDATION MAY BE USED IN LIEU OF CONDUIT FOR GROUND.
3. GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC.
4. VERIFY ANCHOR BOLT LAYOUT SUCH THAT ACCESS DOOR IN BASE OF POLE FACES SIDEWALK.

**LIGHT POLE FOUNDATION DETAILS**  
NOT TO SCALE

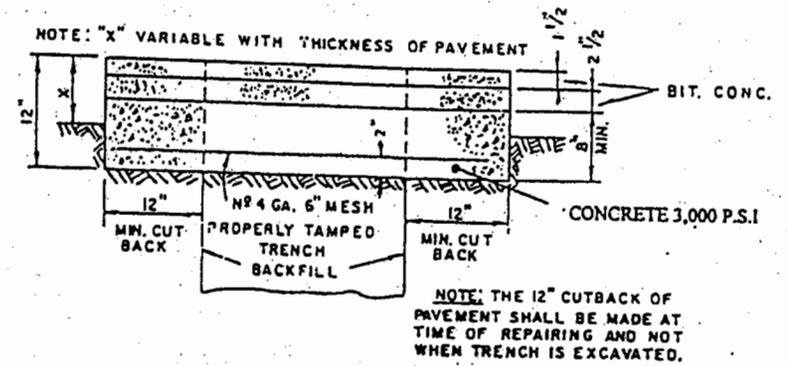


**CITY OF STAMFORD**  
ENGINEERING BUREAU  
SKETCHES & CALCULATIONS

Project No. & Name COS Ornamental Streetlight Foundation  
 Subject \_\_\_\_\_  
 Made by: PDG Date: 4/1/08 REV 3 2/7/11  
 Chk. by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Sheet No. 1 of 1



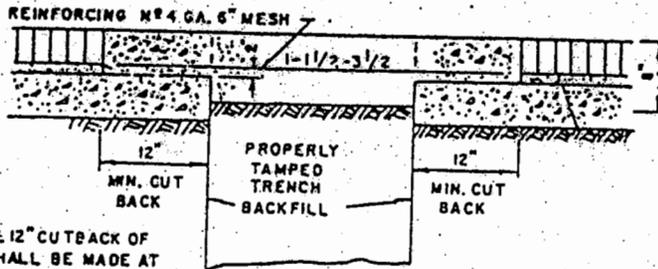
**REINFORCED CONCRETE REPAIR**



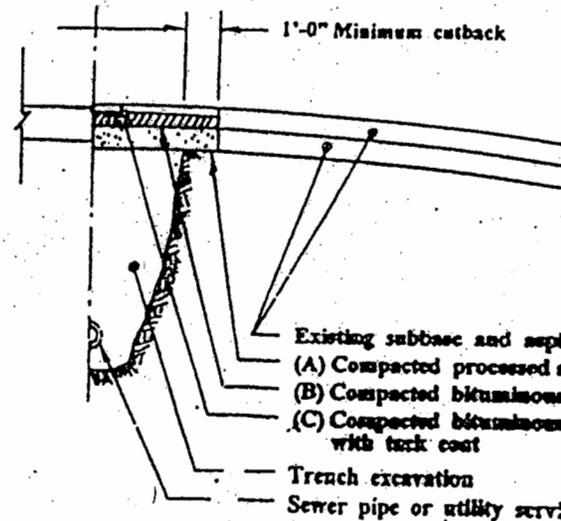
**PAVEMENT OVER CONCRETE BASE**

NOTE: THE 12" CUTBACK OF PAVEMENT SHALL BE MADE AT TIME OF REPAIRING AND NOT WHEN TRENCH IS EXCAVATED.

NOTE: THE 12" CUTBACK OF PAVEMENT SHALL BE MADE AT TIME OF REPAIRING AND NOT WHEN TRENCH IS EXCAVATED.



**BRICK REPAIR**



**Arterial Roads**

- (A) 8"
- (B) 4-1/2" Class 1
- (C) 1-1/2" Class 2
- (D) Tack coat RC-O

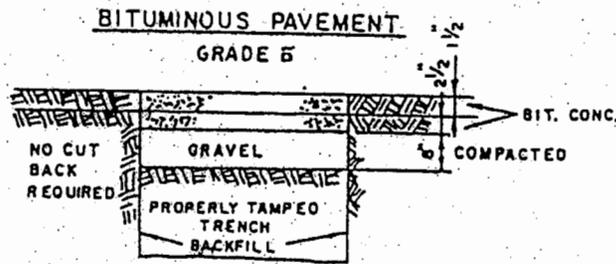
**Collector Streets**

- (A) 8"
- (B) 2-1/2" Class 1
- (C) 1-1/2" Class 2
- (D) Tack coat RC-O

- Existing subbase and asphalt pavement to remain
- (A) Compacted processed aggregate subbase
- (B) Compacted bituminous concrete base course, class 1
- (C) Compacted bituminous concrete wearing course class 2 with tack coat
- Trench excavation
- Sewer pipe or utility service

**PERMANENT TRENCH REPAIR**

NOTE: ALL CUT BACKS SHALL BE STRAIGHT AND EVEN TO ELIMINATE IRREGULAR EDGE



**GRAVEL & DIRT ROADS**

**TYPICAL TRENCH REPAIRS**  
SCALE 3/4" = 1'-0"

<p><b>CITY OF STAMFORD</b> ENGINEERING BUREAU <b>SKETCHES &amp; CALCULATIONS</b></p>	Project No. & Name <u>PAVEMENT</u>
	Subject <u>STANDARD DETAILS</u>
	Made by <u>R. TOZZOLI</u> Date <u>10/07</u>
	Chk. by _____ Date _____
STD. DETAILS MISC. Sheet <u>2</u> of <u>5</u>	



## SECTION I: DETERMINING WHO AND WHEN TO CALL

Public Act 87-71 of the Connecticut State statute requires individuals who use power or mechanized equipment for the purpose of disturbing the sub-surface of the earth to provide advance notice of **at least two full working days** to the "Call Before You Dig" central clearinghouse prior to commencing proposed excavations (see Section VIII for definition of excavation/excavator)

Call Before You Dig, Inc., (CBYD) is a state regulated, nonprofit organization comprised of all public utilities and municipalities within the state of Connecticut. The organization is administrated and served by a board of eighteen annually elected directors. The purpose of CBYD is to function as a statewide, one-call notification system that provides excavators and the general public with the ability to inform multiple owners and operators of underground facilities of proposed excavation. This is accomplished via a single telephone call to an interstate toll free number. Callers should note that as part of standard operating procedures, all conversations are voice recorded. **CBYD must be called first, prior to excavating or requesting application for permits from any public agency.**

CBYD should **NOT** be contacted for any of the following reasons:

- To report damage to any type of facilities
- To report any type of service outage
- To resolve any type of third party billing
- To report any excavation outside the state of Connecticut
- To request any type of facility removal or relocation (including meter removals prior to demolition of a building)
- To request initiation/shut-off of any type of utility service
- To request markouts for design / preplanning construction or bidding purposes.
- To request appointments with utility representatives for pre-construction meetings
- To provide maps, plans or drawings of proposed excavations

To resolve these items, contact the facility owner directly.

**CBYD is open daily from 7a.m. to 5p.m.**, excluding Saturdays, Sundays and Holidays. During or after these times, CBYD offers an after-hours emergency notification service.

Holidays include:

New Years Day  
Martin Luther King Day  
Presidents Day  
Good Friday  
Memorial Day  
Independence Day  
Labor Day  
Columbus Day  
Veterans Day  
Thanksgiving Day/Day After  
Christmas Day

### **Required Location Request Information**

TOWN  
STREET ADDRESS  
NEAREST STREET  
TYPE OF WORK  
NAME OF CALLER & COMPANY  
PHONE NUMBER  
START DATE & TIME

**FOR CONNECTICUT  
1-800-922-4455**

## SECTION II: TYPES OF CALLS HANDLED BY CBYD

CBYD can process only two types of location requests. They are:

- a. Routine calls: excavation, demolition or blasting that will NOT commence before the two full working day legal requirement.
- b. Emergency calls: situations that warrant excavation, demolition or blasting to commence within two full working days.

### 1. Routine Calls

Routine location requests are the most common calls taken at the central clearinghouse. Routine calls are planned excavation activities that allow affected public utilities two full working days, or by the date excavation is to begin, to visit the job site and markout their underground plant. The caller is required to pre-mark the site in white paint or stakes prior to notifying the center. Should the excavation expand beyond the initial notice, a separate notification must be made.

### 2. Emergency Calls

Emergency location requests are situations that warrant immediate attention by the center and affected utilities (see Section VIII for definition of emergency). The term "emergency" is narrowly defined and must meet at least one of the following

A situation involving:

1. Endangerment to life
2. Endangerment to health
3. Endangerment to property
4. The interruption of operation of a major plant or
5. A situation that would assure the continuity of public utility service.

The caller is informed that a civil penalty or fine may be imposed if the proposed emergency excavation does not meet at least one of the above criteria. The center records the information and provides the names of the affected utilities, however, by state regulation, it is the responsibility of the caller to notify the individual utilities directly.

### 3. After-hour Emergency Calls

CBYD has an "after-hours" emergency notification service. This service is in effect weekdays from 5pm.to 7am., and all day on Saturdays, Sundays and holidays. **The center will accept and process only those calls deemed "emergency"** (refer to Section VIII for definition of emergency.) The center records the information and provides the names of the affected utilities, however, by state regulation, it is the responsibility of the caller to notify the individual utilities directly.

## **SECTION V: RESPONSIBILITIES OF PUBLIC UTILITIES**

Section V serves only as a guideline as to responsibilities and state mandated requirements. Refer to the state regulations, Section VIII for specifics.

Owners & operators of buried facilities must;

- Maintain a current file with the central clearinghouse all of its underground facilities including previously unrecorded or abandoned facilities.
- Upon notice from the central clearinghouse, respond within two full working days, excluding Saturdays, Sundays and holidays or by the date excavation is scheduled to commence. The utility must mark the approximate location of its underground facility or notify the caller that a conflict does not exist.
- A public utility may identify the location of a facility connected to its facility, but not owned and operated by the public utility, as a helpful guide. This identification shall not be deemed to impose any liability upon the utility for accuracy.
- Each utility shall maintain a program to educate excavators, either individually or through their organizations, in order to minimize the possibility of damage incidents.
- Each utility shall attend all pre-construction meetings, of which it has knowledge of, where excavation may effect its facilities.
- Each utility shall notify the central clearinghouse monthly of any damage to its facilities which resulted from, or which the public utility suspects resulted from, any excavation, discharge of explosives or demolition conducted by any other person or public agency.
- As of January 1, 1989, all new underground plant installed repaired, replaced or modified involving exposure of 100 feet or more, must have a warning tape installed twelve inches above the facility. The tape shall be of the color assigned to the type of the facility and imprinted with an appropriate warning message.

## SECTION VI: RESPONSIBILITIES OF EXCAVATORS

Section VI serves only as a guideline as to responsibilities and state mandated requirements. Refer to the state regulations, Section VIII for specifics.

Any person responsible for excavating, demolition or blasting must notify CBYD and provide at least two full working days notice, excluding Saturdays, Sundays and holidays, before excavation begins.

- Designate the work area with white paint or white tipped stakes. If the work area exceeds 1000 feet and the excavator determines that it is not practical to designate the proposed excavation, a pre-construction meeting involving the affected utilities or planned maps provided to the affected utilities is required.
- **Use prudent judgement when all facilities are not identified.** Considerations of proceeding are potential hazard to life, property and facility damage.
- Exercise reasonable care when working in proximity to underground facilities. This includes, appropriate construction methods, proper backfilling and shoring techniques, proper equipment and explosives, adequate training of personnel, and sponsoring pre-construction meetings.
- **Hand digging** is required when dangerous fluids or gas are likely to be exposed. Mechanical equipment is limited to removing concrete or bituminous surfaces only.
- Avoid the covering or removal of surface markings or stakes indicating the underground location of facilities during construction.
- **Excavation notices expire at the end of 30 days from the date notice was provided. If excavation is not completed in 30 days, a renewal notice is required.**
- If contact is made with any underground facility, the affected public utility must be notified. If contact occurs involving gas, the excavator must notify police, fire and emergency personnel, and evacuate employees and general public. **No attempt should be made to tamper with or correct the damaged facility.** The repair of protective coatings may only be done when authorized by the owner of the facility.

## **SECTION VIII: CONNECTICUT STATE REGULATIONS**

### **DEPARTMENT OF PUBLIC UTILITY CONTROL**

#### **Excavation Near Underground Utility Facilities**

Section 1: Section 16-345-1 through 16-345-7, inclusive, of the Regulations of Connecticut State Agencies are amended to read as follows:

##### **Sec. 16-345-1. Definitions**

(a) "Excavator" means a person, partnership, corporation or association, including a public utility or a person engaged as a contractor by a public utility or public agency, directly performing or engaged in the act of excavation, demolition or discharge of explosives.

(b) "Public agency" means the state or any political subdivision thereof, including any governmental agency.

(c) "Public utility" means the owner or operator of underground facilities for furnishing electric, gas, telephone, telegraph, communications and pipeline (whether for hire or not), sewage (including storm sewers, sanitary sewers and drainage systems, or parts thereof), water, community television antenna, steam, traffic signal, fire signal or similar service, including a municipal or other public owner or operator, but excluding facilities owned by the owner of a private residence for utility service solely for such residence, regardless of whether such owner or operator is otherwise subject to the jurisdiction of the Authority. (An "excavator" or "public agency" may also be a "public utility").

(d) "Central clearinghouse" means the single organization established by the public utilities pursuant to section 16-348 of the General Statutes for the purpose of receiving and giving notice of excavation activity within the state.

(e) "Excavation" means an operation for the purposes of movement or removal of earth, rock or other materials in or on the ground, or otherwise disturbing the subsurface of the earth, by the use of powered or mechanized equipment, including but not limit to digging, blasting, auguring, back filling, test boring, drilling, pile driving, grading, plowing-in , hammering, pulling-in , trenching and tunneling; excluding the movement of earth by tools manipulated only by human or animal power and the tilling of soil for agricultural purposes.

(f) " Demolition" means the wrecking, razing, rending, moving or removing of any structure.

(g) "Damage" includes but is not limited to the substantial weakening of structural or lateral support of a utility line, penetration or destruction of any utility line protective coating, housing or other protective device or the severance, partial or complete, of any utility line and "contact" includes, without limitation, the striking, scraping or denting, however slight, of any underground utility facility including any underground utility line protective coating, housing or other protective device, or any significant weakening or disturbance of the structural or lateral support of any underground utility facility.

(h) " Approximate location of underground facilities" means a strip of land not more than three feet wide or a strip of land extending no more than one and one-half feet on either side of the underground facilities.

(i) "Authority" means the Public Utilities Control Authority of the State of Connecticut.