MAJOR
UTILITY EXCAVATION PERMIT

DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES
1661 Senter Road, Building A, San Jose, CA.
(408) 998-6090 FAX (408) 971-4882

Permit No.	**Document1**
Issue Date	**July 3, 2002**
Expiration Date	6 months from issue date
City Project Number	**«Charge_No»**
Thomas Guide Coordinates	

UTILITIES SECTION

PERMITTEE:

«Company»
«St_Address»
«Ct_St_Zp»

This Permit is Issued Under the Authority Established by Title15, Chapter 15.50, Sections 15.50.100 - 15.50.700 of the San Jose Municipal Code as Amended. All provisions of the Municipal Code Title 15, Chapter 15.50, Sections 15.50.100 - 15.50.700, inclusive, are incorporated into this permit by reference.

YOUR ENGR: «First_Name» «Last_Name» «Phone»

YOUR JOB NUMBER:

PURPOSE: Excavate to install box.

LOCATION:

This permit is valid for work (indicated above and on the attached approved plans) within the City of San Jose right-of-way only. All workmanship and materials shall conform to the 1992 City of San Jose Standard Specifications for Public Works Construction, Standard Plan Details, attached Standard Conditions, and Special Conditions as appropriate.
KEEP A COPY OF THIS PERMIT, PLANS AND ALL CONDITIONS AT THE JOB SITE WHENEVER WORKING.

WORKING HOURS: (No traffic lanes may be restricted after working hours.)

8:15 AM to 4:15 PM	- Monday through Friday, excluding holiday weekends.
8:30 AM to 3:30 PM	- Monday through Friday, excluding holiday weekends.
9:00 PM to 5:00 AM	- Sunday through Thursday nights.
8:00 AM to 6:00 PM	- Weekends.
9:00 AM to 3:00 PM	- When working within or near a signalized intersection, traffic shall be controlled by reserve police officers. Officers shall be scheduled through SJPD Secondary Employment Unit, five working days in advance. Call (408) 277-4980.

When working in the Downtown area (bounded by Julian Street, 7th Street, Route I-280, Route 87), notify Downtown Traffic Operations Engineer for the Department of Transportation at (408) 277-4304 at least 10 DAYS prior to start of construction. Notification will be given to the Downtown Business Association, Office of Cultural Affairs, and the San Jose Redevelopment Agency.

SPECIAL CONDITIONS:

1. This permit is NOT valid until a traffic control plan has been reviewed by the City. The traffic control plan SHALL BE SUBMITTED AT LEAST 3 DAYS PRIOR to construction (Attn: **Jack Dyke,** Fax No: 408-971-4882).

PERMIT CONDITIONS ON FOLLOWING PAGES

INSPECTION NOTIFICATION:	998-6090	UNDERGROUND SERVICE ALERT:	(800) 227-2600
SJPD SECONDARY EMPLOYMENT UNIT:	277-4980	BUS-STOPS:	321-7053 or 321-7054
ELECTRICAL EMERGENCIES:	277-5515	LIGHT RAIL OPERATIONS:	546-7608

INSPECTOR
CONTRACTOR _____
REMOVE USA _____PAINT DOTS_____
ACCEPTED _____EXPIRED _____
SIGNATURE _____
(DOCUMENT1) LOGGED OUT: ____COMPUTER, ____BINDER

APPROVED:

_____
KATY ALLEN
DIRECTOR OF PUBLIC WORKS
SEP

NO.	REVISION	DATE	APPROVAL		NO.	REVISION	DATE	APPROVAL
1					3			
2					4			

2. Full depth of pavement (AC or PCC) shall be saw cut prior to excavation, except within two feet of any USA markings indicating that facilities may be in the pavement section.

3. **Permittee shall contact the City of San Jose Planning Department at 408/277-4576 for verification of archaeologically sensitive areas within their scope of work area. In the event that Human Remains and/or Cultural Materials are found, all project-related construction should cease within a 100-foot radius. The contractor shall, pursuant to section 7050.5 of the Health and Safety Code, and section of the Public Resources Code of the State of California, notify the Santa Clara County Coroner immediately.**

4. If sawcutting and/or excavation of the curb and gutter is required, the entire section (typically 10') of curb and gutter SHALL be removed and replaced; or at least a five foot length shall be removed by sawcutting and replaced as indicated on the attached Curb & Gutter Replacement Detail. The remaining section(s) of curb and gutter shall be not less than five feet in length.

5. Boxes and/or pads SHALL BE installed entirely within or completely outside of the sidewalk, maintain at least 6" between facilities and back of curb.

6. Completely remove all cabinets, splice boxes, concrete pads and/or foundations for all facilities to be abandoned; replace all improvements such as asphalt paving, curb, gutter, sidewalk, irrigation systems and/or irrigation systems and/or landscaping.

7. When pushing or tunneling, backfill with City of San Jose approved Controlled Density Fill (CDF).

8. Cable installed within public right-of-way shall be placed in conduit. Direct buried cable is not permitted.

9. The depth of service line(s), at the flow of the gutter, shall be not less than 24 inches.

10. Three days before the start of construction, the permittee and the contractor(s) shall attend a pre-construction meeting with City staff, the contractor shall be prepared to present the proposed construction schedule, the names of suppliers for PCC and AC, the number of crews committed to the project and the name and phone number of a local contact in case of an emergency and, the contractor shall provide proof of possession of a City of San Jose business license.

11. Whenever excavation (trench wall) is between 3" and 24" of the lip of gutter, replace at least a 1" depth of existing AC. between the excavation area and the lip of gutter. Remove existing AC. by grinding to the lip of gutter. Whenever excavation is within 3" of the lip of gutter, remove and replace the entire depth of AC. between the trench wall and the lip of gutter.

12. Mark trench/excavation location(s) in existing streets with Paint dots and the letter "«Co_Code»" AFTER final surface restoration.

13. Note revisions/comments indicated (in red) on submitted drawings and resubmit for review to the city AT LEAST days before beginning construction.

14. **This permit is issued for work including the replacement of utility pole(s), to include installation of a new pole and removal of the existing pole. If pole replacement begins prior to the expiration of this permit, the permit will be automatically extended until the existing pole is removed and the area satisfactorily restored.**

15. NO work shall be permitted during the Holiday Season: November to January

16. Trenching/excavation work in the asphalt pavement and sidewalk areas shall occur on Weekends, to PCC and AC paving is permitted on Weekdays, 9:00 A.M. to 3:00 P.M.

17. This permit is NOT VALID for any excavation that will be solely for the use of other utility companies (and/or). Other utility companies must obtain a separate Utility Excavation Permit for the installation (and removal) of their facilities beyond the limits of the joint (occupied) trench.

18. Coordinate work with the City of San Jose Project. Project Manager: , (408) 277-

19. Replace 1", minimum depth, and AC surface for the area(s) indicated (in RED) on the drawings submitted and in accordance with the attached TRENCH DETAIL-SURFACE RESTORATION DETAIL.

20. Complete adjustment of manhole in accordance with the attached DRAWING NO. D-2.

21. Provide a slurry seal in accordance with the City of San Jose STANDARD SPECIFICATIONS (SECTION 37) for the following area:

22. **All new underground utility vault covers in the sidewalk shall be polymer concrete – San Jose Redevelopment Agency Gray.**

23. The City is uncertain as to its legal ability to regulate and to impose taxes, charges and fees on the provision or use of fiber optics infrastructure and technology and related activities and services that may be provided pursuant to the installation subject to this permit. Given the City's concerns together with Permittee's and City's desire to move forward with the installation immediately, Permittee accepts the following additional terms and conditions:

    23.1. The City reserves any and all rights it may have now or in the future to legally regulate or otherwise condition the use of the infrastructure and technology and related activities and services to be provided pursuant to the installation subject to this permit.

    23.2. Permittee acknowledges this reservation of rights and agrees that the City may, after the fact, impose any franchise fees, other fees, taxes, or charges which are later determined to legally apply, retroactively to the date on which the applicable use began, with interest at the average rate earned on City's portfolio for the period beginning with the date on which the applicable use began.

    23.3. If Permittee disputes its obligation to pay, the City may require Permittee to place the amount imposed by the City on deposit. To the extent Permittee pays any amount which is later determined to be in excess of that which the City may legally levy for franchise fees, taxes, other fees or charges, Permittee will be credited an amount equal to the excess payment with interest at the average rate earned on City's portfolio for the period any monies are held by City.

    23.4. The City's issuance of this permit is not a waiver of and is without prejudice to any right the City may have under law to regulate, tax or impose fees or charges on Permittee or any right Permittee may have under the law to provide services over the infrastructure pursuant to state or federal laws, rules or regulations

    23.5. Nothing herein shall affect, in any way the City's power or right to impose or collect any tax or fee on users of the services to be provided by Permittee.

    23.6. Nothing herein is intended to impose regulations or conditions on Permittee that the City is preempted from imposing by state or federal laws.

STANDARD CONDITIONS (Except as modified above):

This permit is valid for six months from the above date of issuance. If the work is not completed and/or final inspection is not requested (by the permittee) prior to the expiration of the permit, the City may renew the permit for six months. The applicable renewal fee will be billed to the permittee.

This permit is not valid for work in Public Service Easements, Public Utility Easements, or on Private Property. Contact the Planning Department for any permits or approvals of work proposed in these areas.

NOTIFICATIONS

This permit is only valid when the party to whom the permit has been issued obtains an identification number from Underground Service Alert (USA). Government code 4210.1. No excavation may commence before such identification number is obtained. City of San Jose will mark all City owned facilities except non-pressurized sanitary and storm sewers. Permittee shall verify all existing locations of City of San Jose non-pressurized underground facilities.

All kinds of paint markings (i.e. USA, etc.) associated with this permit shall be removed by permittee as soon as trench backfill restoration is completed.

NOTIFY THE CITY INSPECTOR AT (408) 998-6090 (when working in the public right-of-way):

- **24 hours prior to the start of construction.**
- **24 hours prior to resuming work after 1 or more working days off the job-site.**
- **As soon as possible if rescheduling or canceling work (after the 24-hour notice has been given).**
- **24 hours prior to completion of the last item of work, request "final inspection"(final surface restoration).**

WORK INSTALLED WITHOUT NOTIFICATION MAY BE REJECTED.

Notify the occupants in accordance with the approved Communications Plan. Construction shall be phased to cause the least impact to residents and businesses. Maintain property and driveway access at all times.

Notify City of San Jose Communications at FAX (408) 277-2289 at least 24 hours in advance of any routine detours or closures previously approved by the City. In the event of and emergency or urgent closure, call (408) 277-8995.

The Permittee shall obtain, as necessary, all permits within other jurisdictions such as:

- Santa Clara Valley Transportation Authority (SCVTA)
- County of Santa Clara
- Caltrans
- Railroad companies
- Hetch Hetchy Water "City of San Francisco"
- San Jose International Airport Authority
- Santa Clara Valley Water District
- City of San Jose, Department of Environmental Services, for the use of water from fire hydrants within the Municipal Water service area ((408)277-5533)

Notify SCVTA/LRT Operations 48 hours prior to construction at bus stops or other Transportation Authority facilities:

- Bus stops - (408)321-7054 Light Rail - (408)546-7688

TRAFFIC CONTROL

This permit is not valid until a complete traffic control plan has been reviewed by the City. The traffic control plan shall be submitted to the City at least 3 days prior to start of construction. All traffic controls shall conform to Section 12 of the City of San Jose Standard Specifications, the Special Conditions of this Permit, the latest CALTRANS Manual of Traffic Controls for Construction and Maintenance Work Zones", and California Joint Utility Traffic Control Committee's "Work Area Protection and Traffic Control Manual". All work shall be planned and carried out to cause the least possible inconvenience to the public.

Scheduling of SJPD Secondary Employment Unit officers (two officers minimum) is required for work within and/or adjacent to signalized intersections:

- The Secondary Employer (permittee) shall maintain records of each officers hours of work and make those records available for review during business hours upon the request by the Secondary Employment Unit.
- The Secondary Employer shall allow inspection of the job site or work premises during business hours for the purpose of ensuring that the premises and the business are in compliance with the terms and conditions of this permit.
- The Secondary Employer shall indemnify and hold harmless the City from any and all damages, costs, losses and liabilities arising out of the private security services performed by off-duty San Jose Police Officers and Reserves for the Secondary Employer.

- ✓ If applicable, install "Tow-Away" or " No Parking, No Stopping" signs at least 24 hours in advance of starting work. The messages on the signs shall include the dates and times of the required prohibition. A permit must be obtained from the Department of Transportation (408) 277-5341).
- ✓ Construction equipment shall be parked in a manner, which produces the least hindrance to the traveling public. Equipment will not be allowed to park in the City right-of-way after working hours.
- ✓ Complete closure of a traffic lane is not indicated on the plans submitted and is not permitted; 12' minimum width lane(s) shall be maintained adjacent to the work area(s).

- ✓ Maintain at least one lane, 12' minimum width, in each direction for vehicular use.
- ✓ Provide an arrow board for EACH lane reduction required on NOT more than one traffic lane in the same direction shall be closed at the same time.
- ✓ A minimum of TWO reserve police officers must be scheduled for work at the intersection of
- ✓ Provide for safe passage of pedestrians within the vicinity of the work areas.
- ✓ Two flaggers are required whenever one lane, 14' minimum width, is utilized for two directional traffic.
- ✓ Maintain at least one lane, 12' minimum width, in each direction for vehicular use; or two flaggers are required whenever one lane, 14' minimum width, is utilized for two directional traffic.
- ✓ Minimum traffic lane widths of 12' SHALL be maintained adjacent to work area(s).
- ✓ ANY Work (including set up or removal of traffic control devices) requiring closure of a vehicular or bicycle traffic lane on SHALL be scheduled to occur between 9:00 A.M. and 3:00 P.M.
- ✓ If any work is to be scheduled at night or on weekends, submit proposed days and hours of work to the City at least 2 days prior to work.
- ✓ ALL Work on SHALL be scheduled to occur on Weekends, 8:00 A.M TO 5:00 P.M.
- ✓ Scheduling of SJPD Secondary Employment Unit officers is not necessary if proposed Traffic Control plan allow for normal flow of traffic and operation of the traffic signal. For any work which interferes with the normal flow of traffic or operation of a traffic signal (as determined by the City Inspector), a minimum of TWO SJPD secondary employment officers must be scheduled for work at the signalized intersection.

Maintain a minimum 3' wide walkway around excavations in the sidewalk area. After working hours, cover the excavated area with 1 1/8" plywood stabilized with temporary Asphalt Concrete (AC) around the edges, or backfill and install 2" of temporary AC to provide safe and comfortable passage. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic.

Bore pit(s), potholes, trenches and other excavations within the traveled area shall be backfilled or steel plated (with a non-skid surface) to accommodate vehicular traffic use after working hours or when the excavation is left unattended. Steel plates in traffic lanes shall be countersunk flush with adjacent grade per the latest Caltrans specifications. Steel plates in other areas shall be held in place by placing temporary AC around all edges.

TRENCH EXCAVATION, BACKFILL AND SURFACE RESTORATION

All longitudinal trenches shall be located as shown on the attached plans.

All traffic striping and pavement markings shall be restored and/or repainted if removed during permitees' excavation or trenching process. **Temporary striping or reflectors shall be used during construction.**

To protect sanitary sewer laterals, contractor shall locate the cleanout and mark the lateral before excavating or boring.

POTHOLES AND ALL TRENCHES OVER 6" WIDE - shall be backfilled and the surface restored in accordance with the 1992 City of San Jose Standard Specifications and, either Method A or Method B as applicable (attached details), and the following:

- ➢ saw cut trench walls and potholes to the bottom of existing AC.
- ➢ grind existing AC a minimum of 1" deep, at least 6" beyond each side of the trench walls, **and if trench is within 12" of lip of gutter, then grind to lip of gutter;** or
- ➢ saw cut and replace existing AC at least 6" beyond the side of the trench walls. (see attached details)

ROCKWHEEL OR NARROW TRENCHES 6" WIDE OR LESS -
If utilized for this project, the equipment shall have a mounted water tank, an attached conveyor belt and shall be in good working condition at all times. Water supply to the rockwheel and for cleaning the street, when necessary, shall be maintained and immediately available. The beginning and end of a narrow trench shall be sawcut vertically.

The backfill material for narrow or rockwheel trenches (6" or less) shall consist of a Portland Cement Concrete (PCC) mix conforming to Section 90 of the 1992 CSJ Standard Specifications. The proposed mix design shall be submitted to the City for approval five (5) working days before use within the public right of way. Portland cement shall be Type II Modified, and the content shall not be less than 376 pounds per cubic yard. The proposed mix design shall achieve, within two (2) hours, a minimum penetration strength of 200 psi when tested in accordance with ASTM C403. During construction for field quality control the PCC mix shall reach minimum penetration strength of 400 psi as determined by a pocket penetrometer. The proposed mix design shall be able to support motorcycle and/or bicycle traffic within two hours. The mix shall also achieve 2000 psi compressive strength within twenty-eight (28) days when tested in accordance with ASTM C39. Hand vibrator(s)

shall be used to consolidate the PCC backfill material. Concrete backfill shall be placed flush with the surrounding pavement. Grind the top of the trench a minimum 18" wide by 1" deep and place surface AC per City Specifications. Trench surface restoration shall be completed within five (5) days from the date of the backfill placement.

DIRECTIONAL DRILLING OR BORING - The **permittee/contractor shall obtain approval from the City before the start of any directional boring operation.**
If these methods are utilized, all utility crossings in the proposed bore alignment shall be potholed and exposed to verify depth prior to commencing with the boring operation. Potholes shall then remain open until the bore has passed the exposed utility to verify that no damage has occurred.

The locations for directional boring equipment shall be approved in advance by the City inspector.

All new conduits shall be placed between 18" and 48" deep in sidewalk areas, and between 24" and 48" deep in street areas. Horizontal alignment of the new conduit shall be straight and no deviation of more than 6" will be accepted unless revised permit drawings have been submitted and approved by the City. Contractor shall mark the approved horizontal alignment before beginning boring operations. Contractor shall mark the progress and depth of the bore at 20' intervals by applying a paint dot to the ground in the same color scheme as used for Underground Service Alert. Deviations from the approved plans shall be corrected immediately to get the bore back to the approved alignment and depth.

Long sweeping bends shall not be used when making a 90-degree turn. Work within the end-of-returns of each street corner or within cul-de-sacs shall be coordinated with the City inspector.

Sand is permitted as a pipe shade (4"max.) only and not as a backfill material.

If a street has been recently chip sealed, the surface of the new trench or pothole shall also be chip sealed to match existing in texture and appearance. Excess chip seal material shall be removed within 24 hours after it is placed.

The permittee is obligated under this permit to maintain and repair all pavement and sidewalk sections in the City's right-of-way damaged due to the installation of the above described facilities without time limitation. Repairs shall be made according to the most recent City of San Jose Standard Details and Specifications. Replace all improvements such as asphalt paving, curb, gutter, sidewalk, electrical facilities, irrigation systems or landscaping damaged in the performance of the work. When requested by the permittee, the inspector will inspect the site prior to starting work and confirm pre-existing conditions identified/marked by the permittee or the contractor, otherwise, the permittee/contractor is responsible for the replacement of any damaged City facilities within the immediate work area. Replacement of damaged electrical and irrigation systems shall occur within 48 hours and be coordinated with the City Inspector.

Saw-cut through all PCC (curb, gutter, sidewalk, etc.) to be removed. Remove to the nearest mechanical joint or score marks. Remove and replace complete squares and score new sidewalks to match existing. When trenching within the sidewalk, remove and replace a strip of concrete at least 3' wide (it shall extend to the next score mark). Concrete curb, gutter, and sidewalk shall be constructed in accordance with the most recent City of San Jose Standard Specifications and Details. In areas where the sidewalk has been constructed partially with granite or decorative tiles, the permittee shall place all splice boxes at grade and within the un-tiled area. **All new pull boxes placed by permittee shall be located within 4.5 feet of the face of curb and shall match the existing surface in texture and appearance**.

If a PCC street section is encountered, notify the City inspector immediately. When trenching is within a PCC street section, the following steps must be taken:

- Saw cut neatly through the existing PCC section.
- Backfill trench in accordance with City of San Jose - Method A.
- To resurface the trench, the contractor shall first dowel into the existing PCC section and than pour the new PCC in accordance with City standard specifications.
- If the existing PCC section is covered with A.C pavement, the contractor shall match the existing AC section minus 1" from the surface, grind 6" wide area on each side of the trench, 1" deep and then repave.
- Rockwheel trenching is not permitted in PCC paved streets.
- Route trenches around concrete bus pads. No excavation is permitted within a PCC bus pad.

Locations for all above ground structures (cabinets, pedestals, etc.) shall be coordinated with the City inspector.

The work site is to be maintained in a safe condition at all times. Attention is directed to Sections 7-1.08, 7-1.09 and 7-1.12 of the City of San Jose Standard Specifications regarding public safety, convenience and responsibility for damage.

Any new retaining walls shall be constructed with reinforced concrete unless approved by the City. Contractor shall submit details to the City for approval prior to construction.

The City of San Jose Municipal Code and the California State Fish and Game Code prohibit contractors from disposing dirt & other debris into public storm drain system.

Construction equipment and/or materials SHALL NOT be parked, stored, or stockpiled in public right of way; except within designated work areas during regular work hours. If a feasible storage area cannot be identified, the City will consider specific requests submitted by the permittee/contractor.

No tree within the public right-of-way may be removed or trimmed without prior written authorization from the Department of Transportation. Call (408) 277-4373.

PROTECTION OF CITY-OWNED FACILITIES

If City facilities (electrical, water, storm or sanitary sewer, etc.) are accidentally damaged, immediately notify the City inspector or their supervisor. If determined to be the contractor's fault, employ the appropriate licensed contractor to make repairs at no cost to the City. Temporary repairs to damaged facilities shall be made immediately. Final repairs shall be made as soon as possible, but no later than three days from the date of damage.

City Survey Monuments shall be preserved. In the event that a City Monument is lost to construction activities, the Permittee shall, at the Permittee's sole expense, be responsible for its re-establishment and the filing of a Corner Record with the County's Surveyor's Office. For more information about City Survey Monuments, contact Barry Ng, (408) 998-6086.