

Encroachment Permit

City of Placerville

3101 Center Street
Placerville, CA 95667
(530) 642-5250 -FAX (530) 642-5568

	<u>APPLICANT</u>		<u>OWNER</u>
NAME	_____	NAME	_____
ADDRESS	_____	ADDRESS	_____
CITY, STATE	_____	CITY, STATE	_____
ZIP CODE	_____	ZIP CODE	_____
TELEPHONE NO.	_____	TELEPHONE NO.	_____

<u>CONTRACTOR</u>	
NAME	_____
ADDRESS	_____
CITY, STATE	_____
ZIP CODE	_____
TELEPHONE NO.	_____
CONTRACTORS LICENSE NO.	_____
CITY BUSINESS LICENSE NO.	_____
OTHER AGENCY PERMITS	_____
STARTING DATE	_____
COMPLETION DATE	_____
CLASS:	_____

LOCATION OF WORK: _____

APPLICANT HEREBY APPLIES FOR PERMISSION TO:

- **PLEASE NOTIFY ENGINEERING AT LEAST ONE FULL WORKING DAY PRIOR TO START OF PROJECT 530-642-5250**
- **PLEASE SCHEDULE WORK BETWEEN MONDAY – THURSDAY WHENEVER POSSIBLE**

In consideration of the granting of this Permit and other good and valuable consideration therefore, the undersigned, intending to be legally bound, does hereby, for the undersigned and the heirs, executors, administrators and assigns of the undersigned, agree that Applicant and Permittee shall be responsible for all liability imposed by law for personal injury or property damage proximately caused by failure on Permittee's part to perform his obligations under said Permit in respect to maintenance. If any claim of such liability is made against the City of Placerville, its officers, or employees, Permittee shall defend, indemnify and hold them, and each of them, harmless from such claim. Nothing herein is intended to impose on Permittee any different or higher standard of care than required by law.

Signature of Applicant _____

<u>BOND INFORMATION</u>	
SURETY NO. _____	APPROVED BY _____ DATE _____
CASH AMT. _____	FINALED BY _____ DATE _____
RECEIPT NO. _____	

FEE(S): RECEIPT NO:	APPROVAL OF THIS PERMIT IS SUBJECT TO ALL PROVISIONS OF THE ENCROACHMENT PERMIT ORD. AND SUCH SPECIAL PROVISIONS AS ATTACHED HERETO.	PERMIT NUMBER
--	---	----------------------

Copy of Standard Permit Conditions provided to applicant

Table of Contents - Standard Permit Conditions

1. The Permit
2. Notification
3. Working Hours
4. Inspection and Approval by Engineering Division
5. Public Convenience and Signing, Traffic Control
6. Earthwork, Trenching, and Backfill
7. Haul Route
8. Use of City Water
9. Temporary Steel Plate Bridging – Non-skid surface
10. Roadway Surfacing and Base materials
11. Concrete
12. City Sewer Connections
13. City Water Connections
14. Street Lights
15. Signs and Striping
16. Archaeological Resources
17. Care of Drainage systems
18. Trees
19. Tree Removal and Trimming
20. Fugitive Dust and Water Quality Regulations
21. Indemnity
22. Insurance
23. Bonds
24. Completion of the Work
25. Guarantee
26. Protection of existing facilities and Clean-Up

Standard Permit Conditions

City of Placerville, Development Services Department, Engineering Division

1. The Permit

The work shall be performed in conformance with the project drawings, the City of Placerville Municipal Code, these Standard Permit Conditions, any special conditions of this encroachment permit, current El Dorado Irrigation District (EID) Standards for water and sewer construction, and the current El Dorado County Design standards for roadways, and the current Caltrans Standard Specifications and Details. Where city standards are referenced herein, refer to the standards listed above. There will be no changes in the work without written permission from the City. The Encroachment Permit or a copy thereof shall be kept at the site of the work and must be shown to any representative of the City of Placerville Engineering Division or any law enforcement officer on demand. **Work may be suspended if permit is not at job site as provided until such time that a valid permit can be verified.**

EID standard details and specifications can be viewed at:

www.eid.org/doing-business-with-eid/design-and-construction-standards

El Dorado County Transportation Division details and specifications can be viewed at:

www.edcgov.us/DOT/Apps.aspx

Caltrans standard details and specifications can be viewed at:

www.dot.ca.gov/hq/esc/oe/construction-contract-standards

Permittee/s agree to uphold all Standard Conditions and attached Special conditions listed or incorporated herein. Deviation from any condition listed may result in revocation of this permit at the discretion of the City Engineer/designee.

2. Notification

The Permittee shall notify the City Engineering Division at least one full working day prior to the following:

- A. Initial start of work 530-642-5250
- B. Restarting work when work has been interrupted 530-642-5250
- C. Any Paving, so that final compaction tests can be scheduled 530-642-5250
- D. Any work within 500 feet of one of the city's two signalized intersections, Placerville Drive at Cold Springs Rd. or Placerville Drive at Ray Lawyer/Green Valley Rd. requires 5 working days notice. 530- 642-5250. Any work within 500 feet of any other signalized intersection requires Caltrans notification and may require an encroachment permit from them. Caltrans can be notified by calling 530-741-4403
- E. Per Section 4216/4217 of the California Government Code, the Contractor is required to contact "Underground Service Alert" to obtain a "Dig Alert Identification Number" no less than two working days prior to any excavation activities. Call TOLL FREE 1-800-422-4133. This permit is not valid without a Dig Alert Identification Number.
- F. The local Police Department and Fire Departments shall be notified by Permittee's 24 hours prior to the start of hauling operations or street closures at Police 530-642-5210 / Fire 530-644-9630

G. If the scope of work results in any significant impact to existing homes or businesses, the permittee may be required to pass out fliers to that effect.

3. **Working Hours**

Hours shall be between 7 am and 5 pm Monday through Friday, except lane closures will only be permitted with proper traffic control and public noticing between 9 am and 4 pm. Monday through Friday, unless otherwise indicated herein. Weekend and/or holiday work will require prior approval.

4. **Inspection and Approval by Engineering Division**

All work will be subject to inspection and approval by the City Engineering Division. The permittee shall notify the City of Placerville Engineering Division when the work has been completed so that a final inspection can be performed. A Pre-Construction meeting may be needed as determined by the Engineering Inspector. The Permittee will pay applicable permit fees, including administration, plan check, and inspection fees, as shown in the encroachment permit fee chart prior to issuance of permit. If Time and Materials deposits are required the applicant acknowledges that the deposit is an estimate only, and that if the City's cost exceeds the deposit, the applicant shall make additional payments as necessary to maintain a positive account balance.

5. **Public Convenience and Signing, Traffic Control**

The permittee, or Permittee's Contractor, shall place warning signs and devices and take other safety measures as necessary, including flagmen, to warn persons of the excavation, obstruction and equipment operations to prevent injury to persons or damage to property. The use of flagmen, barricades and construction signing shall conform to the California Manual of Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD current edition, as amended for use in California). Traffic control measures and working hours will be assessed on a case –by-case basis. In worst case areas with heavy traffic, no work will be allowed during commute or other busy times. A traffic control plan may be required before starting work. If, after work starts, traffic control measures are not satisfactory for existing traffic conditions, then revisions will be necessary.

Weather or other causes, either within or beyond the control of the permittee, may force delay of the work that shall in no way relieve the Permittee of their responsibility for maintain traffic through the project and providing local access as specified herein. At all times there shall be kept on the job such material, force, and equipment as may be necessary to keep roads, shoulders, bike lanes, pedestrian facilities and driveways within the project area open to traffic and in good repair, and shall expedite the passage of traffic using such force and equipment as may be necessary. Traffic includes pedestrian, bicycle, and other non-motorized vehicle traffic as well. Where traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of traffic lane; however, the width of an existing lane shall not be reduced to less than 11' without written permission from the City Engineering Division. Access to all businesses and/or residences shall be provided at all times or as coordinated with the property owner(s) involved. The work shall be performed in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. A free and clear travel way shall be maintained for any and all emergency vehicles. Private driveways may only be closed between 8 AM and 4 PM and all private driveway closures must be coordinated with residents to allow for reasonable resident use of the driveway during construction. Driveways shall be open for use at night and during other periods when work is

not in progress. Commercial driveways shall not be closed during business hours. Road closures, if allowed, require prior City Council approval per city code.

6. Earthwork, Trenching, and Backfill

- A. Where an excavation consists of trenching parallel to the centerline of the road, the total length of open trench shall not exceed 100 feet at any time. All open trenches crossing the travel way or running parallel within six feet of the edge of pavement must be backfilled and temporarily patched at the end of each work day. All other open excavations shall be backfilled or protected with chain link fence and covered at the end of each work day. Steel plate bridging is required over open trenches in private driveways during working hours.
- B. All trenches over 5' in depth must be shored and comply with CAL-OSHA standards.
- C. Facilities installed under this Permit shall have a minimum separation of one foot from drainage culverts and other utilities, unless greater separation is required by the adjacent utility company facility.
- D. Backfill and compaction of trench must immediately follow the placement of the utility. Testing will be performed by the Permittee with results supplied to the City Inspector. Not more than 300 feet of trench may be backfilled without passing compaction tests.
- E. Excavations under the pavement are to be backfilled with controlled low strength material (CLSM), two sack slurry, or AB compacted to 95%.
- F. Backfill within City Right of way, off pavement, shall be compacted to 90% minimum.
- G. Backfill within City Right of way, in the drivable shoulder area, shall be AB compacted to 95% minimum.
- H. Controlled low strength material shall consist of a workable mixture of aggregate, cementitious materials and water, and shall conform to the provisions in Section 19-3, Structure Excavation and Backfill, of the Standard Specifications and these special provisions.
When controlled low strength material is used for structure backfill, the width of the excavation shown on the plans may be reduced so that the clear distance between the outside of the pipe and the side of the excavation, on each side of the pipe, is a minimum of 12". This minimum may be reduced to 6" when either the height of cover is less than 20' or the pipe diameter or span is less than 3.5'. Controlled low strength material in new construction shall not be permanently placed higher than the basement soil. For trenches in existing pavements, permanent placement shall be no higher than the bottom of any existing pavement permeable drainage layer. If a drainage layer does not exist, permanent placement in existing pavements shall be no higher than 1' below the bottom of the existing asphalt concrete, or no higher than the top of base below the existing Portland cement concrete pavements.
- I. Unpaved shoulders shall be returned to a firm, stable condition, and the disturbed area surfaced with a layer of AB or crushed rock.
- J. Structure backfill for all manholes in streets shall conform to the current Caltrans Standard Specifications for grading, S.E., and compaction (95%). The backfill shall be checked for compliance and compaction tests taken every 2-3 feet vertically.
- K. All areas where apparent water pumping or seepage exists due to disruption of subsurface conditions encountered during excavating in the City right of way shall be addressed and corrected by means of an approved subsurface drainage system.

7. Haul Route

Import/Export of all materials for the project shall follow a specific haul route and operate between the hours of 9 am and 4 pm Monday through Friday. The Contractor shall submit a plan indicating the intended haul route from the place of origin, including the number and types of trucks to be used. The City Engineer will review and approve the haul route prior to the start of any hauling operations. All loads must be covered to mitigate dust generation.

8. Use of City Water

To obtain water for construction from City of Placerville Water System Fire Hydrants, contact City Utility Billing in the City Finance Department, 1st Floor City Hall. They will collect contact information and a deposit, then will send the applicant to the Corporation Yard on Big Cut Road to pick up the construction meter. This process will be reversed at the end of the water meter usage, with the meter being read when returned to the Corporation Yard and then final payment or refund being completed at the Finance Department.

9. Temporary Steel Plate Bridging – Non-skid surface

When backfilling operations of an excavation in the traveled way, whether transverse or longitudinal, cannot be properly completed within a work day, steel plate bridging with a non-skid surface and shoring may be required to open the road to public traffic. In such cases, the following conditions shall apply;

- A. Steel plates may only be utilized when parallel or perpendicular to the travel way.
- B. Steel plates, in the roadway, must have the name and 24-hour emergency telephone number of the contractor responsible for maintaining the plates stenciled on the roadway pavement adjacent to the plates. Painted text must be in white lettering using chalk-based paint. The text must be neatly stenciled lettering, a minimum 3-inches in height, and must be maintained in legible condition for the duration of plate placement.
- C. Steel plate bridging shall be installed to operate with minimum noise.
- D. The length of a series of plates running parallel to traffic wheel paths must not exceed 30 feet unless approved in writing by the City or noted in the TCP, and plates shall be tack welded together.
- E. Signing and warning devices are required. Flashing barricades, “Bump” (W8-1) signs, and reflective cones shall be required depending on the location of the project.
- F. Whenever steel plates are used to cover an excavation where the related work is to take place less than 2 weeks, they may be placed on top of the asphalt with transitional ramps of MC250 asphalt mix against the vertical edges of the plates. Ramping must be accomplished to provide a minimum angle of approach of 12 to 1, providing a smooth, gradual transition between the pavement and the plate. Steel plates must be anchored to the roadway surface with pins or spikes on the 4 outermost corners. Additional pins must be placed as necessary to assure the steel plates are secured. Pins must be installed such that they do not protrude above the plate surface any more than is necessary to anchor the plate and must not create a hazard for the motoring or pedestrian public. Steel plates used for bridging must extend a minimum of 18” beyond the edges of the trench, but no more than 30 inches on all sides. Corners of steel plates must not protrude into the travelled way creating a hazard to motorists, bicyclists, or pedestrians.

- G. Whenever steel plates are used to cover an excavation where the related work is to take place longer than 2 weeks, plates shall be recessed into the surrounding pavement by cold planning to a depth equal to the thickness of the plate and to a width and length equal to the dimensions of the plate. Temporary paving shall be placed around the recessed steel plate bridging if ordered by the City Engineer.
- H. The Contractor is responsible for damages or injuries that occur as a result of the plates being in the roadway. Unless specifically noted in the provisions of the Permit, steel plate bridging shall not exceed four (4) consecutive working days in any given week. Prior to opening the roadway to public traffic, excavations shall be covered with a minimum 3" temporary paving.

Minimal thickness of steel plate bridging shall is shown in the following table:

Trench Width	Minimum Plate Thickness
1.0'	½"
1.5'	¾"
2.0'	7/8"
2.5'	1"
3.0'	1 ¼"

For spans greater than four (4) feet, a structural design shall be prepared by a registered Civil Engineer. Steel plate bridging shall be steel plate designed for HS20-44 truck loading per Caltrans Bridge Design Specifications Manual. The Permittee shall maintain on the steel plate a non-skid surface having a minimum coefficient of friction equivalent to 0.35, as determined by California Test Method 342.

10. Roadway Surfacing and Base Materials

The City of Placerville prohibits sawcuts or excavations in newly constructed or overlaid roadways for a period of 3 years. In circumstances such as emergency repair work where no other feasible options exist, the City Engineer may grant a waiver to this restriction. If a waiver is granted, the applicant must be prepared to meet more stringent restoration requirements than those listed in these Standard Permit Conditions.

When the Permit authorizes sawcuts or excavations, surface restoration, backfill and base material type, thickness, and compaction thereof shall comply with the City of Placerville Standard Trench-Backfill Detail, Asphalt Concrete Trench Restoration Detail, or as specified in the Permit. Temporary pavement shall be placed and maintained upon completion of backfill until permanent paving is performed. Temporary paving shall be maintained to a smooth surface with hot mix asphalt concrete on collector roadways and cold mix on minor roadways. Temporary paving shall be placed and maintained in a smooth riding plane, free of humps or depressions suitable for pedestrian, bicycle, and vehicle traffic. The words "TEMPORARY PAVING" shall be stenciled on the temporary pavement at the beginning, ending, and along the length of the temporary paving at maximum intervals of 500 feet. The painted text must be in white, neatly stenciled lettering, a minimum 5 inches in height, and must be maintained in legible condition until final paving is complete. Thickness of new pavement sections shall conform to City of Placerville Asphalt Concrete Trench Restoration Detail. For pavement that was constructed or overlaid within 3 to 5 years or having a PCI ≥60, a 1-1/2 inch minimum grind (Mat Grind)

is required from lane line to lane line or edge of pavement/lip of gutter, and overlaid with asphalt concrete. All exposed edges of existing paving shall be primed with an asphalt binder prior to placement of paving. Any damage to existing adjacent pavements caused by construction activity will require repair or AC overlay as determined by the City Engineer. Prior to permanent paving, the trench area to be paved shall be cut or cold planed to neat straight lines. The cut lines shall exceed the excavated trench width by a minimum of 8 inches (T-Cut) on each side. Finish pavement surfacing shall have a straight uniform appearance without numerous jogs and placed level with the adjacent paving after compaction. If new surfacing is too high, it shall be cold planed to grade, and a Type 2 slurry seal applied. If new surfacing is too low, it shall be removed and repaved.

11. Concrete

All concrete work shall be per El Dorado County standard plans and specifications for sidewalks, curbs, gutters, driveways, and miscellaneous concrete work. In general all new concrete for surfaces that will be exposed shall be 6 sack mix with $\frac{3}{4}$ lb. of lampblack added per cubic yard. At times the city inspector or the permit language may specify different quantities of lampblack to better match adjacent existing concrete surfaces.

12. City Sewer Connections

All work on sewer systems shall be completed in accordance with "Connection to City Sewer System – Policy and Procedures 2016" (insert link),

13. City Water Connections

Properties within the City limits are served by either El Dorado Irrigation District (EID) or the City of Placerville Water System depending on their location. Attached is the link for the Water Service Boundary Map: (insert link)

For work within EID system boundaries contact EID at eid.org, visit their offices at 2890 Mosquito Rd., Placerville, Ca. 95667, or phone 530-622-4513. All work on City of Placerville water system services shall be completed in accordance with "Connection to City Water System – Policy and Procedures 2016" (insert link)

14. Street Lights

The City's color for streetlights and signal poles is Federal Color Code 34092, gloss finish. This is a dark army green color matching many of the poles in downtown and along Hwy 50.

15. Signs and Striping

Permittee shall be responsible for installing roadway striping to all areas disturbed by the project to current City standards. This includes adjacent areas where striping or pavement markings as damaged by the work. All thermoplastic striping and markings shall be replaced with thermoplastic, and all pavement markers shall be replaced in-kind.

16. Archaeological Resources

The Permittee/s shall cease work in the vicinity of any archaeological resources that are revealed. The City Engineer shall be notified immediately. A qualified archaeologist, retained by the permittee, will

evaluate the situation and make recommendations to the City Engineer concerning the continuation of the work.

17. Care of Drainage systems

The Permittee/s shall be responsible for maintaining and controlling all drainage to and from the site. Control of surface waters shall be such that existing drainage patterns are not disturbed or altered to increase the amount and/or intensity of runoff water and silt to adjacent private properties, City right-of-way and existing drainage structures. Maintenance of drainage facilities which directly serve the site are the responsibility of the permittee until such time as all engineering improvements are in place and approved by the city. Roadside ditches, cross culverts, and other drainage facilities pertinent to City Streets shall be protected from damage. Those facilities disturbed or damaged shall be returned to their original conditions or replaced to the satisfaction of the City Engineering Inspector. Facilities under or below ditches shall have a minimum cover of 18" from top of pipe to bottom of ditch draining the road.

18. Trees

Any underground work within the drip line of any trees on City right of way or easement shall conform to the following requirements:

- No trees shall be removed unless specifically authorized by the City
- No roots over two inches in diameter shall be cut
- Hand trenching and tunneling will be required when excavation exposes roots two inches in diameter or larger
- Roots two inches in diameter or larger which are exposed to the air shall be kept moist
- Roots two inches in diameter or larger which are accidentally damaged shall be treated with material approved by the City Engineering Division.
- If roots two inches in diameter or larger are cut or broken, the tree shall be trimmed to compensate for the decreased root system. Such trimming shall be done to the satisfaction of the City Engineering Division.
- Manholes or boring pits shall not be installed within 20 feet of any tree trunk.

19. Tree Removal and Trimming

- Job plans should be submitted for tree removal/trimming contracts that are not for routine maintenance
- The City Engineering Division is to be notified 24 hours in advance of any tree trimming or removal. Notification is to include the name of the tree contractor.
- Trees are not to be felled on City streets.
- Stumps that are a hazard for public traffic and snow removal operations will be ground to six inches below grade. Other stumps are to be cut flush with ground.
- All debris from tree trimming and cutting shall be removed from the City right of way and disposed of by the permittee.
- Logs, limbs, poles, etc., shall be located so as to not infringe upon sight distance or present a roadside obstruction and be removed from drainage ditches at the end of each work day.

20. Fugitive Dust and Water Quality Regulations

County, State and Federal air and water quality regulations shall be strictly adhered to.

- **Fugitive Dust and Asbestos Dust Controls**

Fugitive and asbestos dust shall be mitigated in accordance with El Dorado air Quality Management district (AQMD) Rule 223-1, fugitive Dust – Construction Requirements and/or Rule 223-2, Fugitive Dust – Asbestos hazard mitigation.

The Permittee shall be responsible for checking and following the most current procedures and regulations of the AZMD prior to beginning project. These are available at:

www.edcgov.us/airqualitymanagement

Fugitive Dust and/or Asbestos Dust Mitigation Plans if required by AZMD's Construction Project Applicability flow Chart must be approved by AZMD and submitted to the County Transportation Division prior to beginning project.

If no Fugitive Dust Plan is required by the AZMD's Construction Project Applicability flow Chart, the project must still comply with the provisions of AZMD's Rule 223-1.

- **Storm Water Quality Controls**

Permittee shall comply with the State of California Water Resources Control Board's (SWRCB) rules, regulations, policies and orders as applicable to the project.

Permittee shall provide a Storm Water Pollution Prevention Plan (SWPPP) to the County upon request if required by the SWRCB.

Permittee shall provide a Qualified SWPPP Developer (QSD) and a Qualified SWPPP Practitioner (QSP) if required by the SWRCB. Permittee shall comply with the Storm Water Management Plan for the City of Placerville and the City Grading, Erosion and Sediment Control Ordinance. For projects that do not require a permit from the SWRCB, Permittee shall implement Best Management Practices for Erosion and Sediment Control to reduce or eliminate discharge of sediments and other pollutants to any natural or man-made drainage course.

For projects that do not require a permit from the SWRCB, erosion and sediment control measures are to be in place prior to any storm event, and in place and in operable condition by October 15. Site inspections must be conducted by the Permittee before and after each storm event to identify areas that contribute to erosion and sediment problems or any other pollutant discharges. During each inspection, determine if additional Best Management practices are needed and implement those practices as soon as possible. Maintenance and repair of control measures shall be routinely conducted. The Permittee shall be responsible for fines, penalties, and damages, whether proposed, assessed, or levied against the Permittee or Contractor, or the City (including employees, agents and assigns of the City), including those levied under the Federal Clean Water Act and the State Porter-Cologne Water Quality Act, by governmental agencies or as a result of citizen suits. Penalties shall also include payments made or costs incurred in settlement for alleged violations of the Federal, State or County laws. Cost incurred include sums spend in lieu of penalties, such as settlement agreements, mitigation or remediation. Permittee shall complete re-vegetation and stabilization of all disturbed soils, both within and outside of City right of way, as required by the City.

Permittee is required to comply with Section 404 of the clean Water Act regulating dredging and filling of Waters of the U.S. and shall provide evidence of such to the City upon demand.

Permittee is required to comply with Section 1600 of the State of California fish and Wildlife Code regulating work in streambeds and shall provide evidence of such to the City Engineering Division upon demand.

21. Indemnity

Permittee/s shall defend, indemnify and save harmless the City, its officers, agents and employees from any and all claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities arising out of the Agreement or occasioned by the performance or attempted performance of the provisions hereof: including, but not limited to, any act or omission to act on the part of the or his agents or employees or other independent directly responsible to him; except those claims, demands, damages, costs, expenses (including attorney's fees), judgements or liabilities resulting solely from the negligence or willful misconduct of the City. (Current language above applicant signature line current permit form): In consideration of the granting of this Permit and other good and valuable consideration therefore, the undersigned, intending to be legally bound, does hereby, for the undersigned and the heirs, executors, administrators and assigns of the undersigned, agree that Applicant and Permittee shall be responsible for all liability imposed by law for personal injury or property damage proximately caused by failure on Permittee's part to perform his obligations under said permit in respect to maintenance. If any claim of such liability is made against the City of Placerville, its officers, or employees, Permittee shall defend, indemnify and hold them, and each of them, harmless from such claim. Nothing herein is intended to impose on Permittee any different or higher standard of care than required by law.

22. Insurance

Permittee/s shall name the City as additional insured on a separate endorsement (ISO form CG 2012 or equivalent) in an amount not less than \$1,000,000 per occurrence for vehicular and bodily injury claims with an insurance company having a Best's rating of "B+" or better, and a 30 day cancellation notification policy. Permittee's shall notify the City immediately in the event of any accident or injury arising out of or in connection with this permit.

23. Bonds

A Surety Bond in the amount of the estimated cost of the work plus twenty percent (20%) is required unless specifically waived in the permit. City Code 8-3-3 contains specifics on types and amounts of bonds, annual bonds, cash bonds, exclusions, etc. Additional bond amounts may also be required if the bond amount is determined to be insufficient to cover the work.

24. Completion of the Work

All work under this permit must be completed within ninety (90) days of the permit issuance, unless additional time is granted on the permit. Prior to final clearance of this permit, any outstanding plan check and inspection fees shall be paid. Permittee continues to be responsible for all activity under this permit until final clearance and inspection is performed and/or signed off below. This permit may be revoked or canceled without cause at any time by the City Engineer or his/her designee. Upon written cancellation or revocation of this permit for any cause, permittee shall promptly restore the City right of way and/or site conditions to their pre-existing state, and then vacate such premises. If the Permittee/s fails to provide services and/or equipment necessary to fulfill permit conditions, the City

Engineer shall have the authority to have the work performed by others at the expense of the Permittee/s. Permittee/s shall notify the City Engineer or their designee when work is completed. This permit is not completed until signed off by the City Engineer/designee and all outstanding fees are paid in full.

25. Guarantee

Improvements constructed under this permit shall be guaranteed for a period of one (1) year from the permit clearance date.

26. Protection of existing facilities and Clean-Up

The Permittee/s shall be responsible for protecting all existing City infrastructure or improvements and shall replace or repair, at their own expense, any improvements damaged during the course of construction. Permittee/s shall be responsible for protecting all survey monuments in place and resetting of any disturbed monuments by a licensed land surveyor as required by state law. All surface markings (such as markings of underground utility locations) and survey markings shall be masked (painted out black or white to match the surface finish color) as part of the final clean up. Upon completion of the work, all debris and material shall be entirely removed and the right of way left in a presentable condition as before work started.



STANDARD TRENCH-BACKFILL DETAIL CROSS-SECTIONS

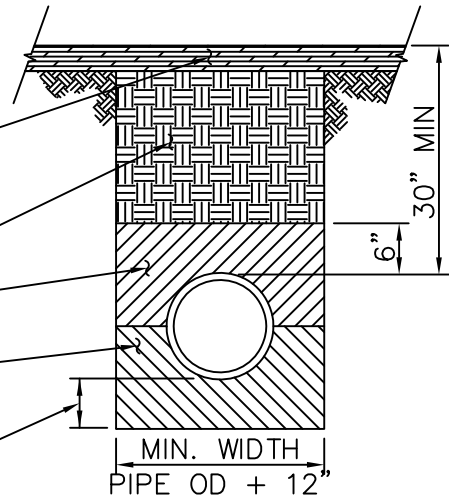
REPLACEMENT SECTION PER
ENCROACHMENT PERMIT REQUIREMENTS
SEE NOTE 2

INTERMEDIATE BACKFILL 95% COMPACTION

INITIAL BACKFILL 95% COMPACTION

PIPE BEDDING - SAND OR
CLEAN CRUSHED ROCK

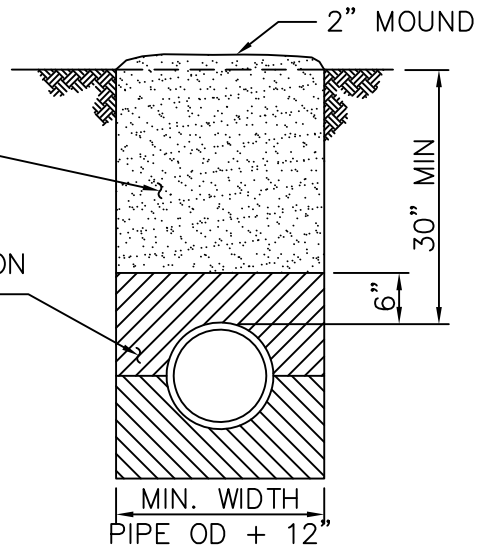
EXCAVATE 6" BELOW PIPE IN ROCK,
3" OTHERWISE.



LOCATED IN STREETS

NATIVE MATERIAL 90% COMPACTION

INITIAL BACKFILL, PIPE BEDDING & EXCAVATION
BELOW PIPE IDENTICAL TO DETAIL ABOVE.



LOCATED IN EASEMENTS

NOTES

1. PLACE 4-INCHES OF AC ON MINOR ROADS, AND PLACE 6-INCHES OF AC ON COLLECTORS AND ARTERIALS.
2. AC RESTORATION SHALL CONFORM TO STANDARD DRAWING FOR ASPHALT CONCRETE TRENCH RESTORATION.

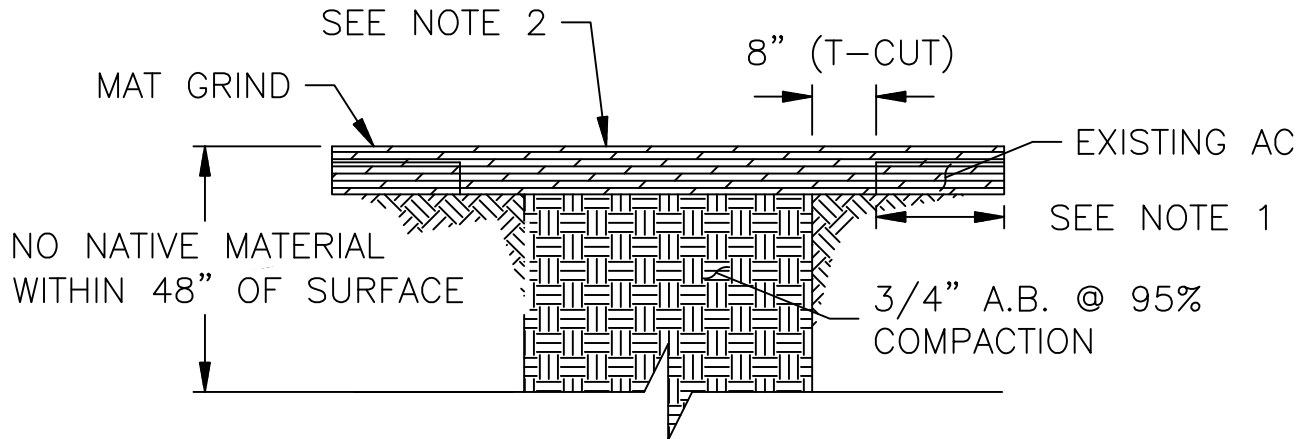
SS-TRENCH

111003:1505

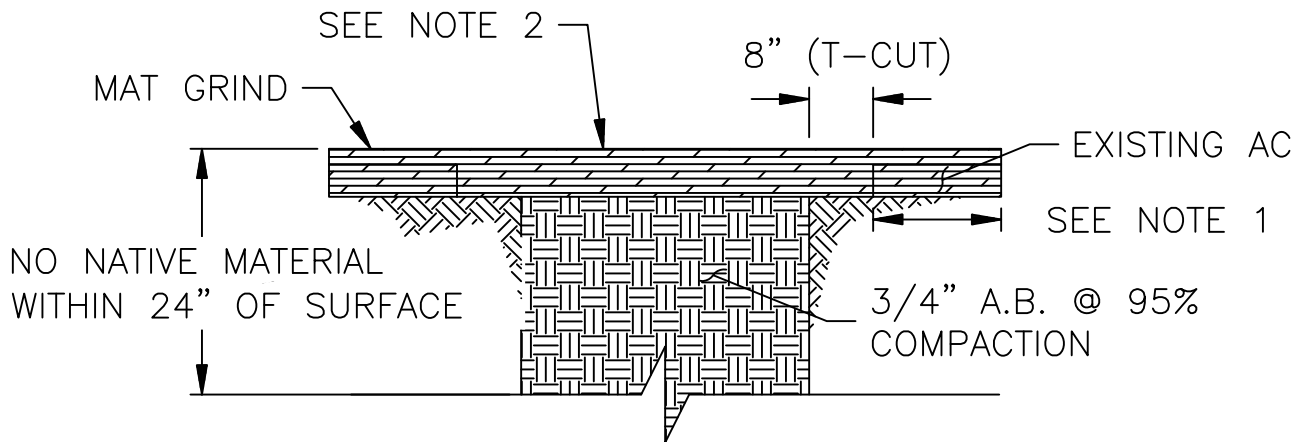


ASPHALT CONCRETE TRENCH RESTORATION CROSS-SECTIONS

SHALLOW TRENCH (<4' COVER)



DEEP TRENCH (>4' COVER)



NOTES

1. 1-1/2" DEEP GRIND (MAT GRIND) FROM LIP OF GUTTER TO LANE LINE, OR CENTER OF TRAFFIC LANE ON MINOR STREETS (12" MIN WIDTH). REQUIRED FOR ALL PAVEMENT BETWEEN THREE AND FIVE YEARS OLD, OR HAVING A PCI VALUE ≥ 60.
2. 6" MINIMUM THICKNESS ON MAJOR STREETS AND 4" MINIMUM ON MINOR STREETS.

AC-RESTORATON

XXXXXXXXXXXX