

**TOWN OF PARADISE VALLEY
APPLICATION FOR RIGHT OF WAY/ENGINEERING WORK**

LOCATION OF WORK: _____	
NATURE OF WORK: _____	
APPLICANT: _____ (Utility Company, Licensed General Contractor, or Sub Contractor WITH ROW LICENSING)	
CONTACT NAME: _____	LICENSE # _____
MAILING ADDRESS: _____ (Street, City, State and Zip Code)	
24 HR. PHONE: () _____	JOB FOREMAN: _____
INSURANCE COMPANY _____	Drawing # _____
DATE OF SUBMITTAL _____	

NOTICE OF CONDITIONS

UNDERGROUND UTILITIES after December 31, 2005 will comply with House Bill 2256 for detectable underground location devices. Work areas shall be Blue Staked prior to any excavation.

STREET CUTS require prior authorization from **David Diekman**, Engineering Department at 480-360-3663.

APPROVED street cuts larger than 2 Sq. Ft shall be patched back with an approved AC mix, joints shall be crack sealed, and an application of a Town approved pavement treatment shall be applied to the half width of an arterial street, or the full width of a collector or local street. The treatment must extend a minimum of 25 feet in both directions from the pavement cut(s). Pavement treatment limits shall be approved by the Town.

NOTIFY Engineering Department 24 hours in advance of START OF CONSTRUCTION - 480-360-3663.

NOTIFY Engineering Department 24 hours in advance of STREET CUTS - 480-348-3581 or 480-360-3663 to schedule.

NOTIFY Police Dept. 24 hours in advance of traffic lane closures, detours, and/or road blockages 480-948-7410.

PERMIT and APPROVED/Stamped Plans must be on work site during construction. Work will be stopped until Permit and approved plans are present onsite.

ATTACH two sets of construction plans for review & approval. Subdivision & water/sewer line projects require a CD of the Town-approved plans in Adobe Acrobat Reader (PDF) format.

TRENCHING, BACKFILL AND PAVEMENT REPLACEMENT shall comply with current Details and Specifications approved by the Town of Paradise Valley (per MAG specification and attached detail sheets). Concrete collars for valves and manholes within Town right of way shall be black colored concrete. **NOTIFY** Engineering Department 24 hours in advance of backfilling for **REQUIRED INSPECTION**. Call 480-348-3581 to schedule.

TRENCH PLATING AND BARRICADES Trench plating shall be installed in accordance to MAG Standard Detail 211, Type 2. All barricades shall have operating lights from dusk till dawn.

LINCOLN DR and TATUM BLVD construction shall be accomplished only between the hours of 9:00 a.m. & 3:30 p.m. No barricades shall be set until 9:00 a.m. & shall be removed by 3:30 p.m. daily. The standards & specifications in **Part VI of the Manual on Uniform Traffic Control Devices (MUTCD)** & the **City of Phoenix Traffic Barricade Manual** shall be followed.

LIABILITY INSURANCE in the amount of two million dollars, naming the Town as additional insured, is required. **The original document of insurance shall be provided prior to the release of approved permit.**

PERMIT # _____

**TOWN OF PARADISE VALLEY
APPLICATION FOR RIGHT OF WAY/ENGINEERING WORK**

DUST CONTROL measures shall be enforced at all times in accordance with the Maricopa County Earth Moving Permit (projects with disturbed areas in excess of .10 acre) and attached TPV Dust Control Plan.

APPLICANT Name (Print) _____ **Date** _____

APPLICANT SIGNATURE _____ **Date** _____

TOWN

of

PARADISE VALLEY



Building Safety Department

6401 E Lincoln Dr
Paradise Valley, AZ 85253

(480) 348-3692
(480) 443-3236 Fax

Dust Control Plan

(for disturbed areas up to 4,356 square feet*)

Date: _____

Address: _____

Choose at least one measure per (lettered) category. (Must be done for the life of the project.)

EARTHMOVING

(It is always an option to cease operations to prevent dust.)

A) Grading / Demolition / Landscaping / Weed Control:

- Conduct watering as necessary to minimize visible emissions (increase frequency in high winds).
- Thoroughly wet the site to the depth of any cuts.

B) Trenching / Screening / Backfilling:

- Mist dust cloud resulting from trenching (increase frequency in high winds).
- Mist material after it drops from screen (increase frequency in high winds).
- Use water truck or large hose dedicated to trenching & backfilling operations.

SITE STABILIZATION / DISTURBED SURFACE AREA

A) Temporary Stabilization: (Including weekends & holidays)

- Water all areas at least twice a day until a crusted surface is formed.
 - Apply chemical stabilizers.
 - Additionally use wind fences / barriers / berms (not allowed as a primary measure).
- When active operations will not occur for more than 15 days:
- Apply dust suppressants to all disturbed areas to maintain stabilization.
 - Water all areas at least twice a day until a crusted surface is formed.
 - Additionally install temporary coverings / enclosures (not allowed as a primary measure).

B) Final Stabilization: Within 8 months after active operations have ceased:

- Pave the affected area.
- Stabilize with gravel and/or recycled asphalt.
- Stabilize with vegetation.

C) Open Storage Piles:

- Apply chemical stabilizers.
- Apply water to the surface of areas of all open storage piles on a daily basis.
- Additionally install temporary coverings / enclosures (not allowed as a primary measure).

MATERIALS HANDLING / HAULING

A) Materials Handling:

- Thoroughly wet material prior to handling or loading.
- Water and/or mist material while loading to minimize visible emissions.

B) Hauling: All haul trucks must be effectively covered with a tarp or other suitable enclosure.

ROADWAYS / ACCESS POINTS

A) Unpaved haul / access roads / equipment paths: Restrict vehicle speed to 15 mph.

- Stabilize with gravel and/or recycled asphalt.
- Apply chemical dust suppressants to maintain surface stabilization.
- Water all surfaces as needed to minimize visible emissions.

B) Access Points: Vacuum or wet broom daily all dirt or mud on paved road.

- Install a stabilized construction entrance / coarse gravel pad (Required if any hauling on or off site).
- Install a wheel washer.
- Limit, restrict and/or reroute motor vehicle access.

WATER SUPPLY

A) Availability: Water storage tank Metered hydrant Hose bibb Other: _____

B) Application: By water truck(s) # _____ gal/truck _____ By hoses By sprinklers

I hereby certify that I am familiar with the operations presented above and agree to conduct all operations in compliance with the above, with Maricopa County Rule 310 and with all applicable environmental regulations.

OWNER OR AUTHORIZED AGENT SIGNATURE _____

Printed Name & Title _____

*For disturbed areas greater than 4,356 sf (1/10th of an acre) a Maricopa County Earthmoving Permit is required.

THIS PERMIT IS ISSUED TO THE APPLICANT, SUBJECT TO THE FOLLOWING CONDITIONS:

PERFORMANCE GUARANTEE in the amount of \$500.00 (certified check or money order) is required, and has been submitted: Check No. _____. Upon completion of the project and the return of the roadway to the original condition, with adherence to MAG Specifications and all traffic control measures, the **Applicant is required to call the Engineering Department/David Diekman at 480-360-3663 to schedule a final inspection.** Following a satisfactory inspection and approval of the project site and related work, the Performance Guarantee will be refunded in full to the Applicant.

The following daily fees shall be deducted from the Performance Guarantee, and all overages charged to the Permittee, if the Town has to provide assistance to:

- | | |
|---|----------|
| 1) Provide Traffic Control Devices (day or night) | \$250.00 |
| 2) Provide Emergency Street Work | \$250.00 |
| 3) Provide any Permanent Site Restoration
(for work not finished by completion date) | \$500.00 |

All work shall be performed only by contractors holding a Contractor's License with permissions granted to work in the Right of Way.

Adequate procedures shall be followed by the Permittee for the control and safety of traffic. **Traffic Control plans shall be submitted and approved prior to start of work in the right of way. Seven (7) day advanced warning signage shall be required for all road closures.**

TOWN COMPUTATION OF PERMIT FEES

A.C. Paving	Sq. Yd.	@ \$1.60
Concrete Sidewalk/Recreation Path	Lin. Ft.	@ \$0.50
Dust Palliative	Sq. Yd.	@ \$0.02
Concrete Valley Gutter and Apron	Lin. Ft.	@ \$0.50
Curb and Gutter	Lin. Ft.	@ \$1.00
Water Lines	Lin. Ft.	@ \$0.40
Sewer Lines	Lin. Ft.	@ \$0.40
Natural Gas Lines	Lin Ft.	@ \$1.60
Trenching	Lin. Ft.	@ \$0.20
Underground Conduit or Pipe	Lin. Ft.	@ \$0.20
Splice Pit	Each	@ \$95.00
Concrete Box Culvert (Single Barrel)	Each	@ \$142.00
Brass Cap	Each	@ \$50.00
Street Sign	Each	@ \$80.00
Traffic Control Devices (including barricades) day or night, per location	Per location	@ \$250.00
Emergency Street Work, per location	Per location	@ \$250.00
Permanent Site Restoration	Each	@ \$500.00

PERMIT # _____

TOWN OF PARADISE VALLEY
ENGINEERING DEPARTMENT
**RIGHT-OF-WAY PERMIT
EMERGENCY DATA SHEET ***

Applicant _____
(Utility Company, Licensed General Contractor, or Sub Contractor licensed to work in the ROW)

Location of Work _____

Type of Work _____

Contact Person _____

Office No. _____ Ext. _____ Mobile _____

24-Hr. No. _____

CONTRACTOR (ROW Licensed General Contractor or Sub Contractor)

Company Name _____

Contact Person _____

Office No. _____ 24-Hr. No. _____

Mobile _____

Alternate Contact Person _____

Mobile _____

TRAFFIC BARRICADE COMPANY

Company Name _____

Contact Person _____

Office No. _____ 24-Hr. No. _____

Mobile _____

***Any changes need to be emailed to Ddiekman@paradisevalleyaz.gov and approved prior to any construction.**

PERMIT # _____

All Right of Way permits will need a pre-con meeting and inspections. To schedule your pre-con meeting please call David at [480-360-3663](tel:480-360-3663).

Once your pre-con meeting is complete you can schedule further inspections by calling [480-348-3581](tel:480-348-3581) and follow the prompts. The inspection numbers you will need are as follows:

3010 – ROW Backfill

3020 – ROW Final

3025 – ROW Sewer

3030 – ROW Curb

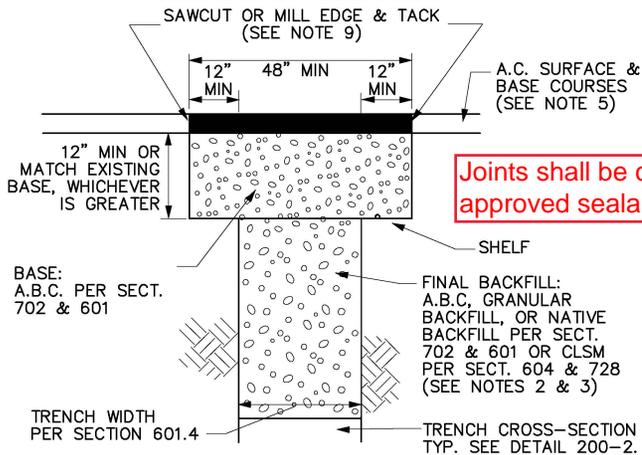
3040 – ROW Asphalt-Pavement

3050 – ROW Water

3060 – ROW Drainage-Structure

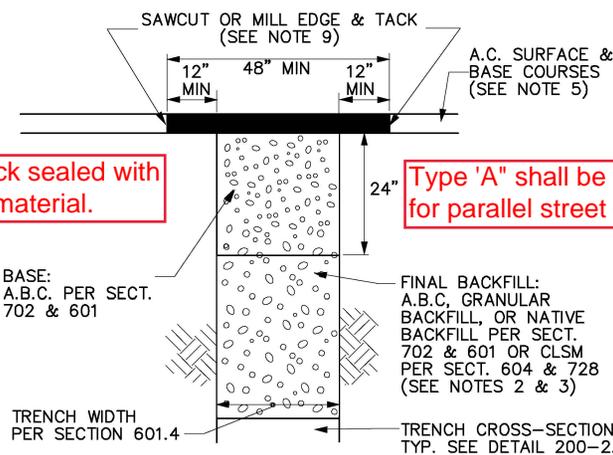
3070 – ROW Utility Conduit

3015 – ROW Miscellaneous (please describe what inspection is for)



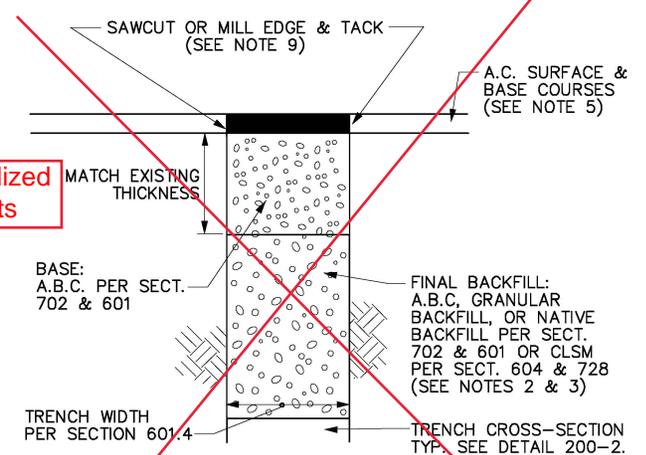
"T TOP" TRENCH REPAIR

"T Top" detail shall be utilized for perpendicular street cuts



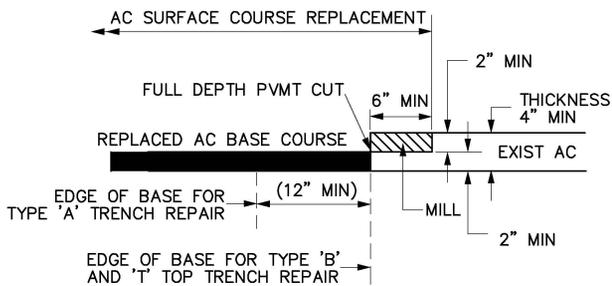
TYPE "A" TRENCH REPAIR

RESTORE SURFACE OUTSIDE OF TRENCH LINES DAMAGED DURING CONSTRUCTION WITH LIKE MATERIAL TO ORIGINAL CONDITION



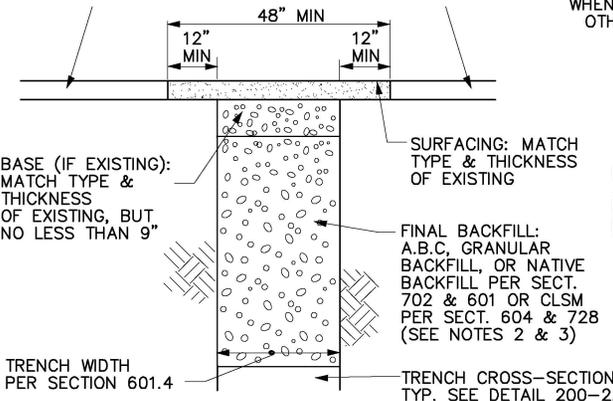
TYPE "B" TRENCH REPAIR

MATCH ADJACENT GROUND SURFACE WHEN FINAL STREET ELEVATION IS UNKNOWN. OTHERWISE, PLACE TO FINISHED SUBGRADE.



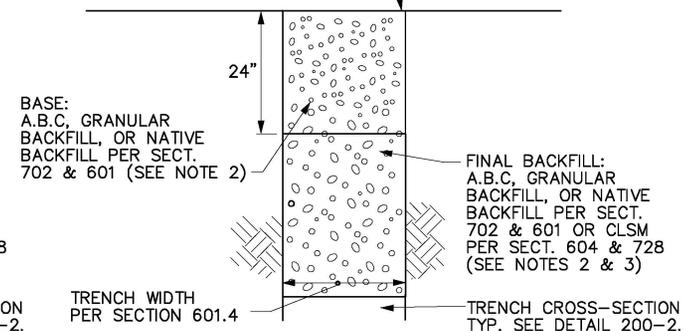
OFFSET JOINT

(FOR PAVEMENT ≥ 4" THICK)



TYPE "D" TRENCH REPAIR

(TRENCH NOT UNDER CONCRETE OR ASPHALT PAVEMENT)



TYPE "E" TRENCH REPAIR

(TRENCH IN FUTURE ROADWAY PRISM OR ALLEY)

NOTES:

- PAVEMENT MATCHING AND SURFACE REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 336.
- MATERIAL FOR FINAL BACKFILL AND BASE (IF APPLICABLE) SHALL BE AS NOTED HEREIN UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. CLSM SHALL BE 1/2-SACK OR 1-SACK PER SECTIONS 604 AND 728.
- FINAL BACKFILL SHALL BE 1/2-SACK OR 1-SACK CLSM PER SECTIONS 604 AND 728 FOR TRENCH DEPTHS GREATER THAN 4 FEET UNLESS A SAFE (OHS COMPLIANT) WORKING SPACE AT LEAST 30" WIDE IS PROVIDED TO CONDUCT COMPACTION TESTING.
- BASE, FINAL BACKFILL, AND PIPE EMBEDMENT ZONE COMPACTION SHALL BE IN ACCORDANCE WITH SECTION 601.
- ASPHALT CONCRETE SURFACE AND BASE COURSES SHALL COMPLY WITH SECTION 336.2.4.1 UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.
- USE TYPE "A" FOR LONGITUDINAL TRENCH REPAIR AND USE "T-TOP" FOR TRANSVERSE TRENCH REPAIR (SEE DETAIL 200-2) UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. TYPE "B" TRENCH REPAIR MAY BE USED FOR TRANSVERSE TRENCH REPAIR IF SPECIFIED BY THE AGENCY.
- PROVIDE MINIMUM 12" WIDE SHELF AS SHOWN IN "T-TOP" TRENCH REPAIR AT ENDS OF TYPE "A" TRENCH REPAIR EXCEPT WHERE EDGE ABUTS EXISTING CONCRETE.
- USE "T-TOP" PAVEMENT REPLACEMENT WHERE A TRENCH IS NOT PARALLEL TO A STREET OR GOES THROUGH AN INTERSECTION.
- THE JOINT LOCATION OR JOINT CONFIGURATION MAY VARY FROM THAT SHOWN TO ELIMINATE REMNANTS, TO ELIMINATE FULL DEPTH SAWCUT JOINTS FROM BEING LOCATED WITHIN A WHEEL PATH AS REQUIRED BY SECTION 336, OR WHEN AN OFFSET JOINT IS CONSTRUCTED.
- SEE DETAIL 200-2 FOR REMNANT PAVEMENT REMOVAL REQUIREMENTS.
- EXPOSED COPPER OR POLYETHYLENE WATER PIPE UP TO 2" IN DIAMETER IN TRENCHES TO BE BACKFILLED WITH CLSM SHALL BE WRAPPED WITH MINIMUM 3/4" THICK PREFORMED PIPE-COVERING FOAM INSULATION BEFORE PLACING CLSM.

DETAIL NO.

200-1



STANDARD DETAIL
ENGLISH

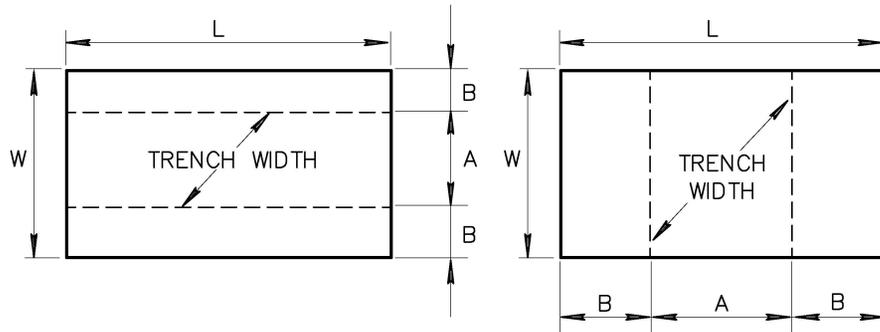
TRENCH BACKFILL AND
SURFACE REPLACEMENT

PROPOSED

01-01-2016

DETAIL NO.

200-1



LONGITUDINAL STEEL PLATE

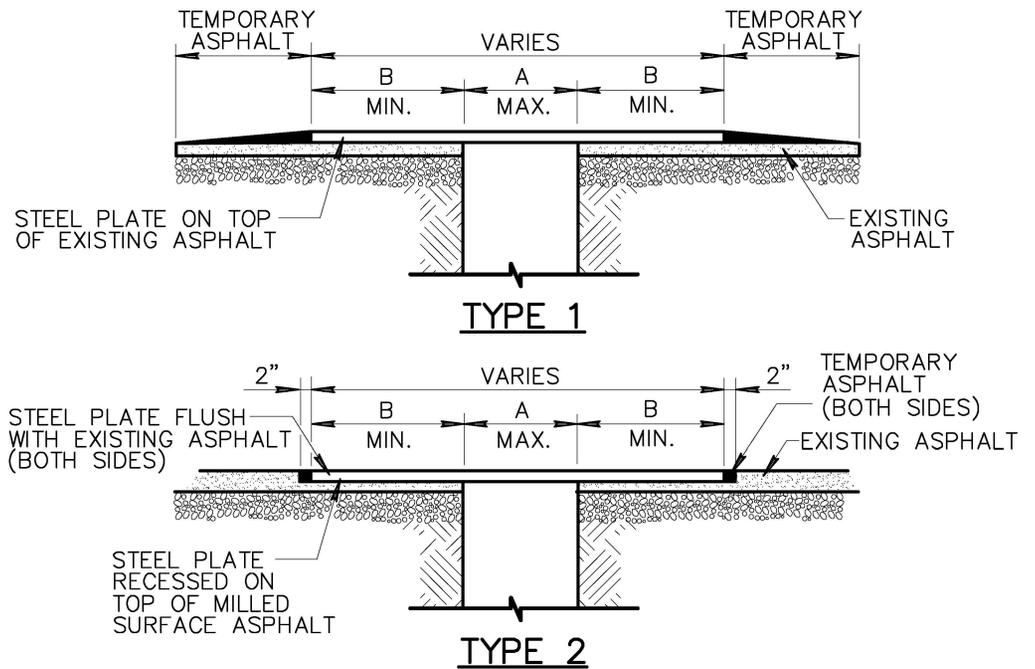
TRANSVERSE STEEL PLATE

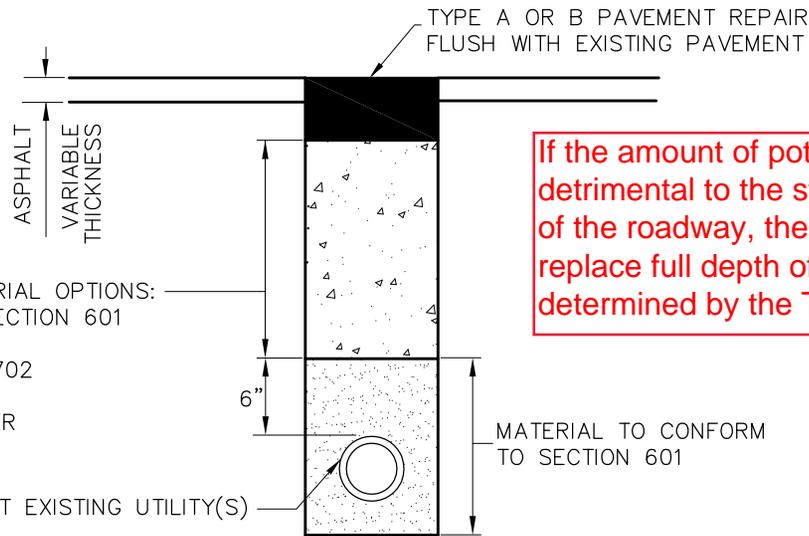
PLATE SIZE						
LONGITUDINAL					TRANSVERSE	
(A)	(B)	THICKNESS	(W)	(L)	(A)	(B)
12"	18"	1"	4'	8'	58"	19"
12"	18"	1"	4'	10'	58"	31"
24"	18"	1"	5'	10'	70"	25"
36"	18"	1"	6'	10'	44"	38"
48"	18"	1"	7'	10'	52"	34"
60"	18"	1"	8'	10'	58"	31"
12"	18"	1-1/4"	4'	15'	88"	47"
24"	18"	1-1/4"	5'	12'	104"	20"
36"	18"	1-1/4"	6'	12'	66"	39"
36"	18"	1-1/4"	6'	16'	66"	63"
48"	18"	1-1/4"	7'	12'	76"	33"
48"	18"	1-1/4"	7'	16'	76"	58"
60"	18"	1-1/4"	8'	12'	86"	29"
60"	18"	1-1/4"	8'	15'	86"	47"
60"	18"	1-1/4"	8'	16'	86"	63"
60"	18"	1-1/4"	8'	20'	86"	77"
60"	18"	1-3/8"	8'	20'	102"	69"

Type 2 trench plating shall be the only acceptable type of plating allowed in the Town of Paradise Valley, unless the work zone is completely closed to traffic and pedestrians.

NOTES:

1. ~~USE TYPE 1 PLATE INSTALLATION WHERE POSTED SPEED LIMIT IS LESS THAN 30 MPH. USE TYPE 2 PLATE INSTALLATION WHERE POSTED SPEED LIMIT IS 30 MPH OR GREATER.~~
2. FOR TYPE 2 PLATE INSTALLATION, THE STEEL PLATE SHALL BE RECESSED BY MILLING INTO THE EXISTING ASPHALT TO SET FLUSH WITH THE SURFACE OF THE EXISTING ASPHALT. FULL DEPTH CUTTING OF PAVEMENT SECTION OUTSIDE OF TRENCH IS NOT PERMITTED. MILLING DEPTH SHALL MATCH THICKNESS OF PLATE. THE GAP BETWEEN THE EDGE OF THE PLATE AND THE ADJACENT EXISTING ASPHALT PAVEMENT MUST BE FILLED WITH TEMPORARY ASPHALT.
3. TRENCH WIDTHS ARE BASED ON AN ANALYSIS PER THE 14TH EDITION OF STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES BY AASHTO. AN ASSUMED AXLE LOADING OF 12 TONS WITH A 30% IMPACT FACTOR WAS USED. THE AXLE LENGTH IS 6 FEET; THEREFORE THE NUMBER OF WHEELS CARRIED BY A PLATE DEPENDS ON THE ROADWAY WIDTH.
4. STEEL PLATE MUST BE ABLE TO WITHSTAND H-20 TRAFFIC LOADINGS WITHOUT ANY MOVEMENT.
5. PLATES SHALL BE FABRICATED FROM ASTM A36 STEEL (MIN).
6. PLATES SHALL BE SECURED FROM LATERAL MOVEMENT AND VERTICAL VIBRATION (ASSOCIATED NOISE) WHILE IN USE BY TEMPORARY ASPHALT (COLD MIX.)



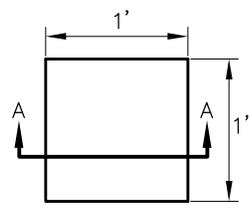


If the amount of potholes are deemed excessive and detrimental to the structural integrity and aesthetics of the roadway, the contractor shall remove and replace full depth of the existing roadway as determined by the Town Engineer.

- FINAL BACKFILL MATERIAL OPTIONS:
- NATIVE SOIL PER SECTION 601 (TYPE B ONLY)
 - ABC PER SECTION 702 (TYPE B ONLY)
 - 1/2-SACK CLSM PER SECTION 728

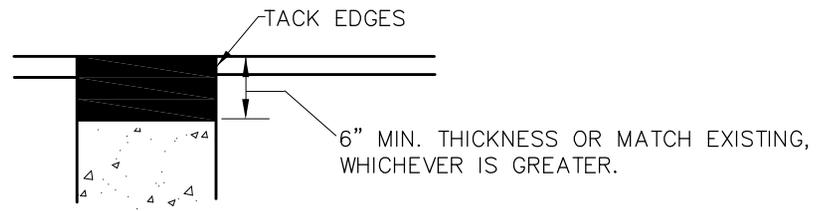
SECTION VIEW

TYPE A PAVEMENT REPAIR



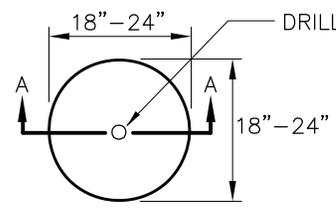
- NOTES:
1. DIMENSIONS ARE NOMINAL.
 2. EDGES SHALL BE CUT TO A NEAT VERTICAL FACE.
 3. PLACE CLSM BACKFILL IN ACCORDANCE WITH SECTION 604.
 4. PLACE AGENCY-APPROVED ASPHALT CONCRETE IN MAXIMUM 2" LIFTS.

PLAN VIEW



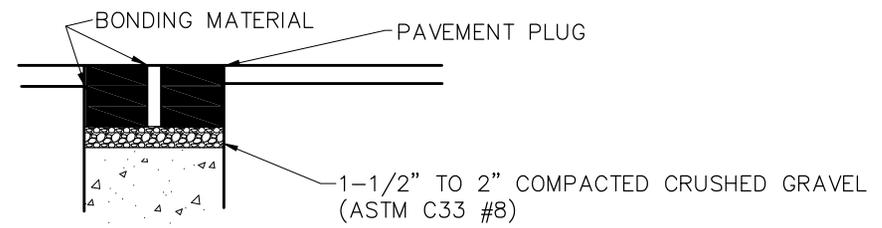
SECTION A-A

TYPE B PAVEMENT REPAIR



- NOTES:
1. CUT, REMOVE AND REPLACE PAVEMENT. PLUG IN ACCORDANCE WITH SECTION 355.
 2. PLACE BACKFILL IN ACCORDANCE WITH SECTION 355.
 3. BONDING MATERIAL SHALL BE AS SPECIFIED IN SECTION 708.

PLAN VIEW



SECTION A-A