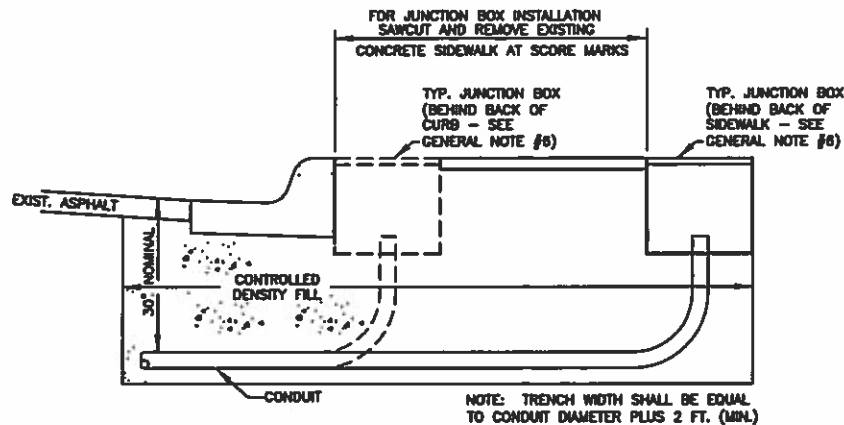


TYPICAL INTERCONNECT JUNCTION BOX INSTALLATION
(Interconnect Only)

Notes:

1. All conduit shall be 2" RPC pipe.
2. Junction box shall be Idaho Precast S-45/Ada unless otherwise specified on the plan.
3. Junction box riser shall be Idaho Precast riser for junction box S-45T/Ada unless otherwise specified on the plan.
4. Contractor shall coil 10 ft of interconnect cable in the junction box, unless otherwise specified on the plan.
5. Interconnect conduit shall be on the south or west side of the road, unless otherwise specified on the plan.
6. All new and existing conduits shall be terminated with a plug manufactured by "Backer Rod" and have a "bell end" or terminal adaptor with bushing.
7. All spare 2" conduits shall incorporate a #12 stranded copper locate wire.



TYPICAL JUNCTION BOX INSTALLATION
(Roadway Sections with Curb, Gutter and Sidewalk)

General Notes:

1. Plan sheet references to an S-40T junction box shall be interpreted as an Idaho Precast junction box type S-40T/Ada or approved equivalent.
2. S-40T/Ada junction boxes shall receive no more than six (6) 2" conduits.
3. Plan sheet references to an S-45T junction box shall be interpreted as an Idaho Precast Junction box type S-45T/Ada or approved equivalent.
4. S-45T/Ada junction boxes shall receive no more than fourteen (14) 2" conduits.
5. Junction boxes that receive fifteen (15) or more conduits shall be 32" x 32".
6. Junction boxes shall be located behind the back of curb whenever possible. If this is not possible, then they shall be located behind the back of sidewalk. Junction box locations on each roadway leg shall be consistent.
7. All spare 2" conduits shall incorporate a #12 AWG stranded copper locate wire.



1/30/2014



REVISIONS	DATE	BY	DESCRIPTION
1/1	08/08	AKB	Added notes
2/1	08/08	AKB	Added note
3/1	08/08	BT	Revised notes



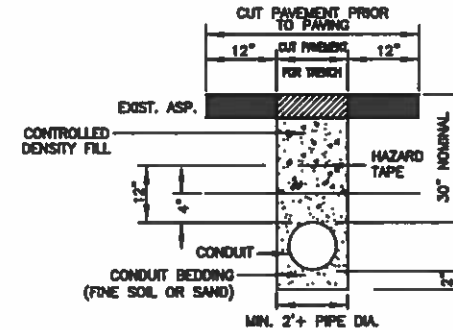
Drawn By: J. Anderson	Checked By: J. Anderson
Date: 05/15/13	Design By: J. Anderson
File: 10-1126b-000	Approved By: Jim Larson

SHEET TITLE:
Standard Conduit and Junction Box Intersection Detail

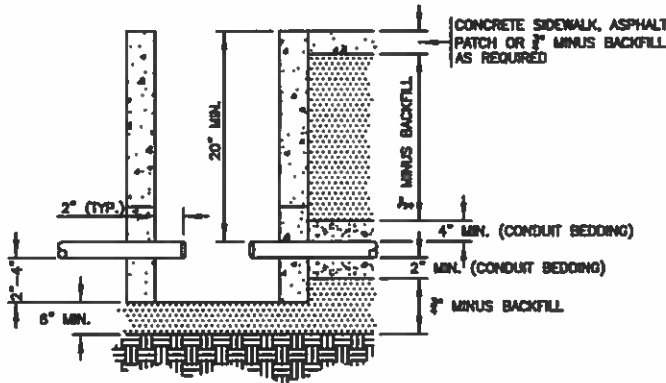
TS-1105

General Notes:

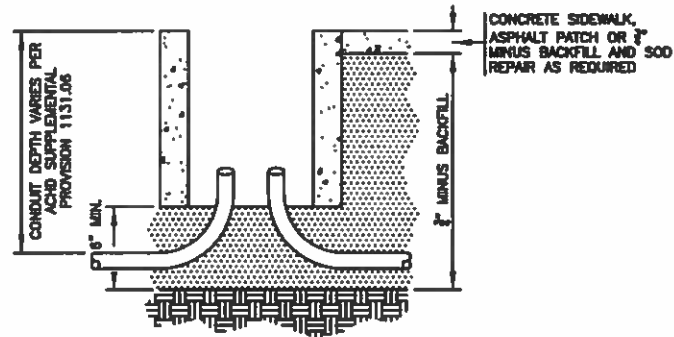
1. Conduit bedding shall be fine soil or sand.
2. $\frac{3}{4}$ " minus backfill shall be compacted to 95% maximum dry density in 6" lifts.
3. Conduit bedding shall not be used within 3 ft. of junction box for "Detail B" junction box installations.
4. Top of junction box shall be flush with the surrounding grade.



TYPICAL TRENCH AND CONDUIT INSTALLATION
(Under Existing Pavement)



DETAIL A
(Junction Box with Floor)



DETAIL B
(Junction Box without Floor)

JUNCTION BOX BACKFILL DETAILS
(For Installations Outside of the Travel Way)

3/12/2012

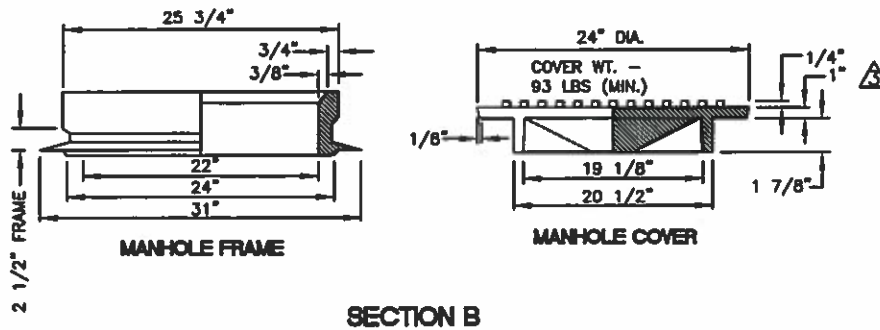
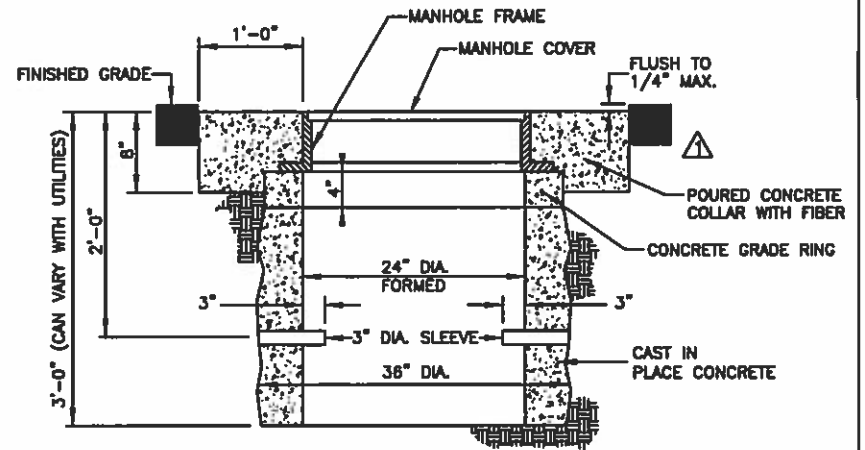
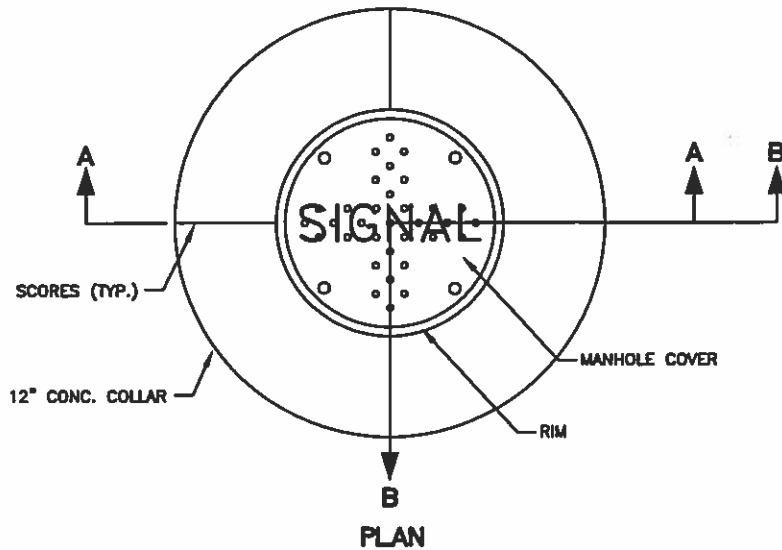
NO.	DATE	BY	DESCRIPTION



- SIGNATURES -		- BEST TITLE -	
Drawn By	Mike Pecht	Standard Conduit and Junction Box	Intersection Detail
Checked By	Mike Pecht		
Approved By	Jim Larsen		



TS-1105
Sheet 2 of 4



NOTES:

1. MANHOLE FRAMES AND COVERS SHALL HAVE A TOLERANCE OF 1/4" OR LESS. COVERS SHALL NOT BE WARPED AND ANY THAT ARE TRAVELED ON SHALL BE REPLACED. MACHINE ALL MATCHING SURFACES.
2. MANHOLE COVERS SHALL HAVE THE TEXT "SIGNAL". TEXT HEIGHT SHALL BE 2".
3. TOP OF COLLAR SHALL BE FLUSH WITH MANHOLE COVER AND SHALL BE 1/8" BELOW TOP.
4. ALL NEW AND EXISTING CONDUITS SHALL BE TERMINATED WITH A PLUG MANUFACTURED BY "BACKER ROD" AND A "BELL END" OR A TERMINAL ADAPTOR WITH BUISHING.

CAST-IN-PLACE CONCRETE MAN HOLE

8/15/2013

▲			
▲	1/25	MS	Changed cover depth to 1"
▲	11/13	MS	Standardized notes
▲	04/12	MS	Revised supporting stage for 30L deleted note
MS	04/03	BT	10/10/2008



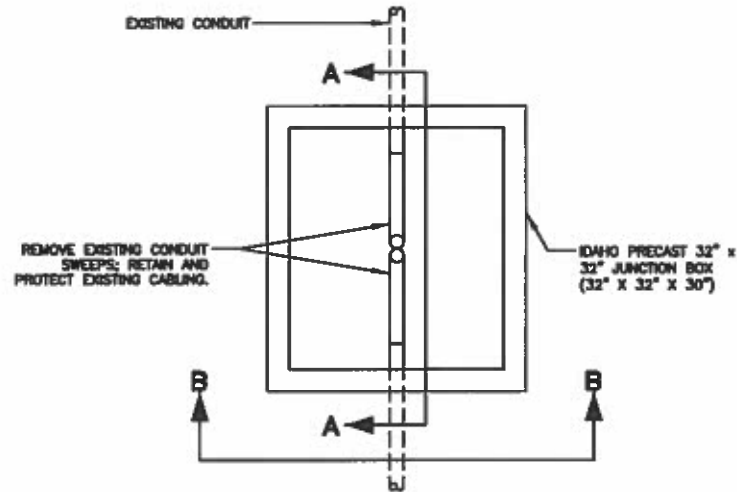
• 01040000 •			
Drawn By	MS	MS	MS
Check By	MS	MS	MS
Scale	AS SHOWN	Scale	AS SHOWN
Date	07/25/09	Scale	AS SHOWN
Title	01-11004-000	Approved By	MS

Standard Conduit and Junction Box
Intersection Detail



GENERAL NOTES:

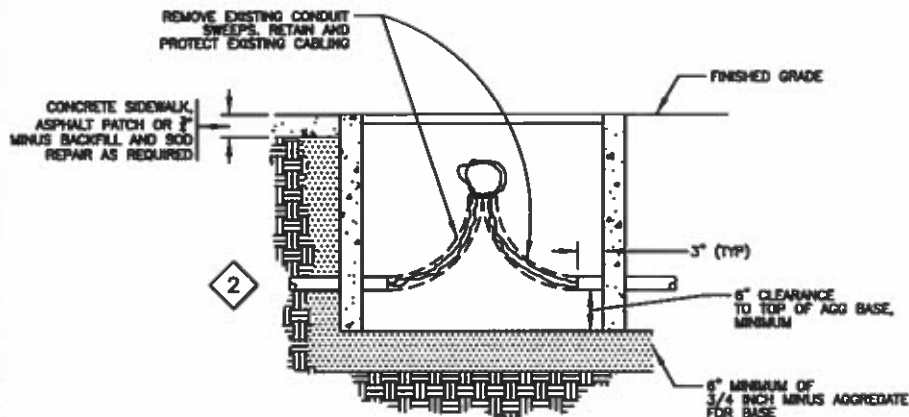
1. THIS DETAIL SHALL BE USED TO RETROFIT EXISTING JUNCTION BOXES TO ACCOMMODATE THE BENDING RADIUS FOR FIBER OPTIC CABLE.
2. 3/4" MINUS BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN 6" LIFTS.
3. TOP OF JUNCTION BOX SHALL BE FLUSH WITH SURROUNDING GRADE.
4. ALL NEW AND EXISTING CONDUITS SHALL BE TERMINATED WITH A PLUG MANUFACTURED BY "BACKER ROD" AND A "BELL END" OR A TERMINAL ADAPTOR WITH BUSHING.



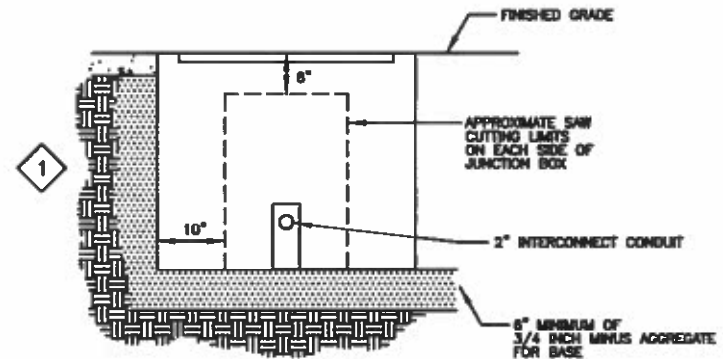
TYPICAL 32' x 32' JUNCTION BOX INSTALLATION
(Plan View)

NOTES:

1. CONTRACTOR TO SAWCUT SLOT IN JUNCTION BOX, WITHIN SAWCUTTING LIMITS, TO ALLOW INSTALLATION OF JUNCTION BOX OVER EXISTING CONDUIT. AFTER BOX PLACEMENT, THE SLOT SHALL BE SEALED WITH NON-SHRINK GROUT TO THE FULL WALL THICKNESS.
2. CONTRACTOR TO REMOVE BACKFILL SURROUNDING EXISTING CONDUIT, REMOVE EXISTING CONDUIT SWEEPS AND RETAIN AND PROTECT EXISTING CABLE. IF AFTER REMOVING SWEEPS CONDUIT DOES NOT EXTEND INTO THE NEW JUNCTION BOX, THEN SPLIT CONDUIT MANUFACTURED BY CONDUIT REPAIR SYSTEMS, INC. SHALL BE USED TO EXTEND CONDUIT INSIDE THE JUNCTION BOX. CONDUITS SHALL EXTEND INTO THE JUNCTION BOX FOR A DISTANCE OF 3", UNLESS OTHERWISE APPROVED BY ACHD.



SECTION A-A



SECTION B-B

3/12/2012

REVISION	DATE	BY	DESCRIPTION



Scale: 1/8" = 1'-0"	Drawn By: [Name]	Checked By: [Name]	Approved By: [Name]
Date: 07/28/09			

Standard Conduit and Junction Box	Intersection Detail
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TS-1105