

RESIDENTIAL LOCAL STREET – TYPICAL SECTION

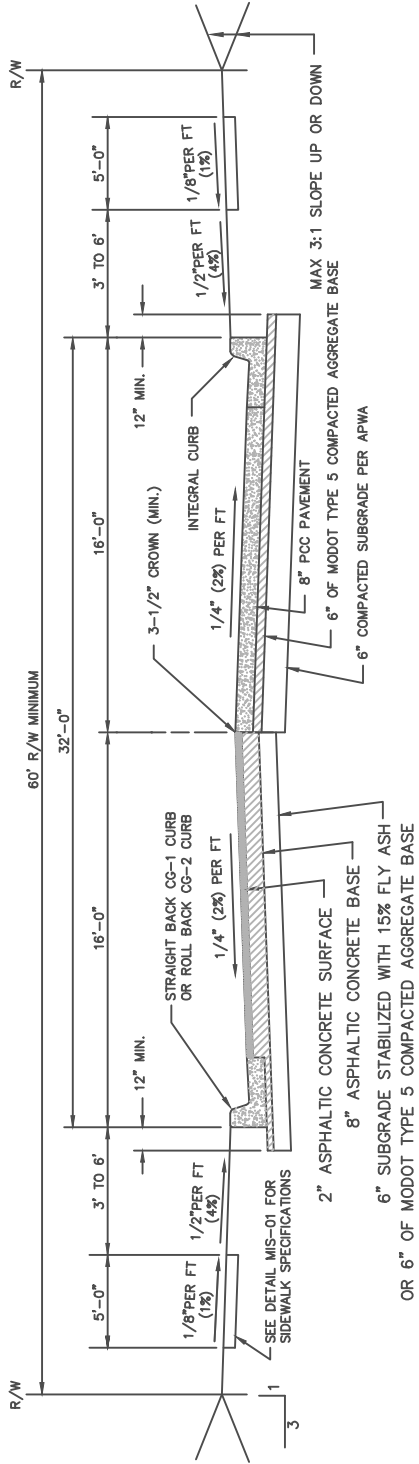
- NOTES:
1. CONSTRUCT ADA COMPLIANT SIDEWALK ON WATER MAIN SIDE OF STREET
 2. ALL PCC CONCRETE SHALL BE KOMMB 4K MIX.
 3. PCC PAVEMENT ALLOWED ONLY WITH APPROVAL FROM THE CITY OF BLUE SPRINGS PUBLIC WORKS DIRECTOR.
 4. AC MIXES SHALL CONFORM TO APWA. RECYCLED ALLOWED IN BASE AC ONLY. NO SHINGLES ALLOWED IN MIX DESIGN.
 5. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
 6. FOR DRIVEWAY DETAIL SEE MIS-03
 7. THERE SHALL BE A MINIMUM OF 1' OF R/W BEHIND THE SIDEWALK.



STANDARD DETAILS
RESIDENTIAL LOCAL STREET

REVISIONS			
NO.	DATE	BY	REMARKS
1	01/14	BM	GENERAL UPDATE
2	04/18	TSD	GENERAL UPDATE

DRAWN BY:	SPJ	DATE:	2-12-93
DETAIL NO.:	STR-01	SCALE:	NO SCALE
APPROVED BY:			



RESIDENTIAL COLLECTOR STREET -- TYPICAL SECTION

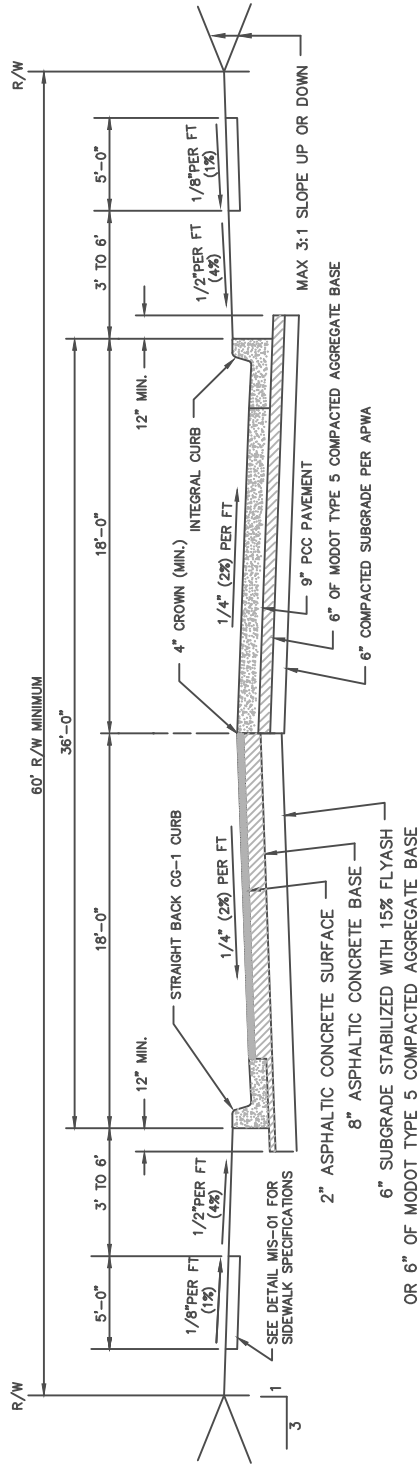
NOTES:

1. CONSTRUCT ADA COMPLIANT SIDEWALK ON EACH SIDE OF STREET
2. ALL PCC CONCRETE SHALL BE KCMMB 4K MIX.
3. PCC PAVEMENT ALLOWED ONLY WITH APPROVAL FROM THE CITY OF BLUE SPRINGS PUBLIC WORKS DIRECTOR.
4. AC MIXES SHALL CONFORM TO APWA. RECYCLED ALLOWED IN BASE AC ONLY. NO SHINGLES ALLOWED IN MIX DESIGN.
5. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
6. FOR DRIVEWAY DETAIL SEE MIS-03
7. THERE SHALL BE A MINIMUM OF 1' OF R/W BEHIND THE SIDEWALK.



STANDARD DETAILS
RESIDENTIAL COLLECTOR STREET

REVISIONS				DRAWN BY: SPJ	DATE: 1-22-93
NO.	DATE	BY	REMARKS	DETAIL NO.: STR-02	SCALE: NO SCALE
1	01/14	BM	GENERAL UPDATE	APPROVED BY:	
2	04/18	TSD	GENERAL UPDATE		



COMMERCIAL COLLECTOR STREET – TYPICAL SECTION

NOTES:

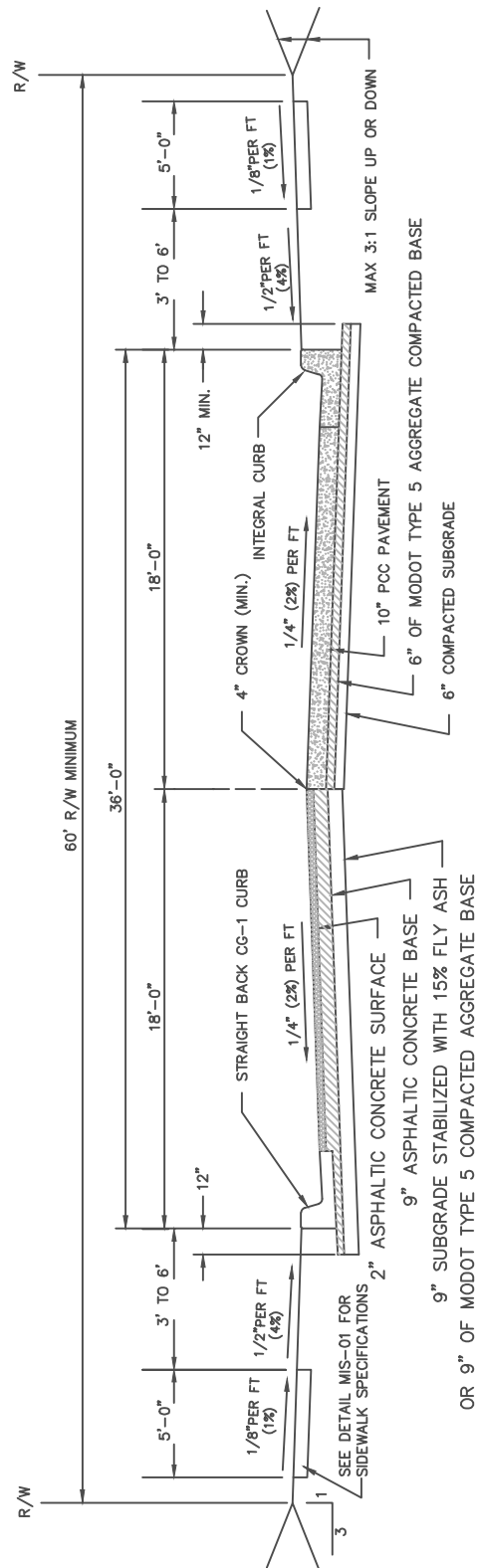
1. CONSTRUCT ADA COMPLIANT SIDEWALK ON EACH SIDE OF STREET
2. ALL PCC CONCRETE SHALL BE KOMMB 4K MIX.
3. PCC PAVEMENT ALLOWED ONLY WITH APPROVAL FROM THE CITY OF BLUE SPRINGS PUBLIC WORKS DIRECTOR.
4. AC MIXES SHALL CONFORM TO APWA. RECYCLED ALLOWED IN BASE AC ONLY. NO SHINGLES ALLOWED IN MIX DESIGN.
5. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
6. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 8" THICK AND RESIDENTIAL DRIVEWAYS SHALL BE 6" THICK AND MAINTAIN A GUTTER PROFILE IN ALIGNMENT WITH THE CURB (SEE DRIVEWAY DETAIL MIS-03).
7. THERE SHALL BE A MINIMUM OF 1' OF R/W BEHIND THE SIDEWALK.



STANDARD DETAILS
COMMERCIAL COLLECTOR STREET

REVISIONS			
NO.	DATE	BY	REMARKS
1	01/14	BM	GENERAL UPDATE
2	04/18	TSD	GENERAL UPDATE

DRAWN BY:	SPJ	DATE:	1-26-93
DETAIL NO.:	STR-03	SCALE:	NO SCALE
APPROVED BY:			



INDUSTRIAL COLLECTOR STREET – TYPICAL SECTION

NOTES:

1. CONSTRUCT ADA COMPLIANT SIDEWALK ON EACH SIDE OF STREET
2. ALL PCC CONCRETE SHALL BE KCMMB 4K MIX.
3. PCC PAVEMENT ALLOWED ONLY WITH APPROVAL FROM THE CITY OF BLUE SPRINGS PUBLIC WORKS DIRECTOR.
4. AC MIXES SHALL CONFORM TO APWA. RECYCLED ALLOWED IN BASE AC ONLY. NO SHINGLES ALLOWED IN MIX DESIGN.
5. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
6. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 8" THICK AND RESIDENTIAL DRIVEWAYS SHALL BE 6" THICK AND MAINTAIN A GUTTER PROFILE IN ALIGNMENT WITH THE CURB (SEE DRIVEWAY DETAIL MIS-03).
7. THERE SHALL BE A MINIMUM OF 1' OF R/W BEHIND THE SIDEWALK.

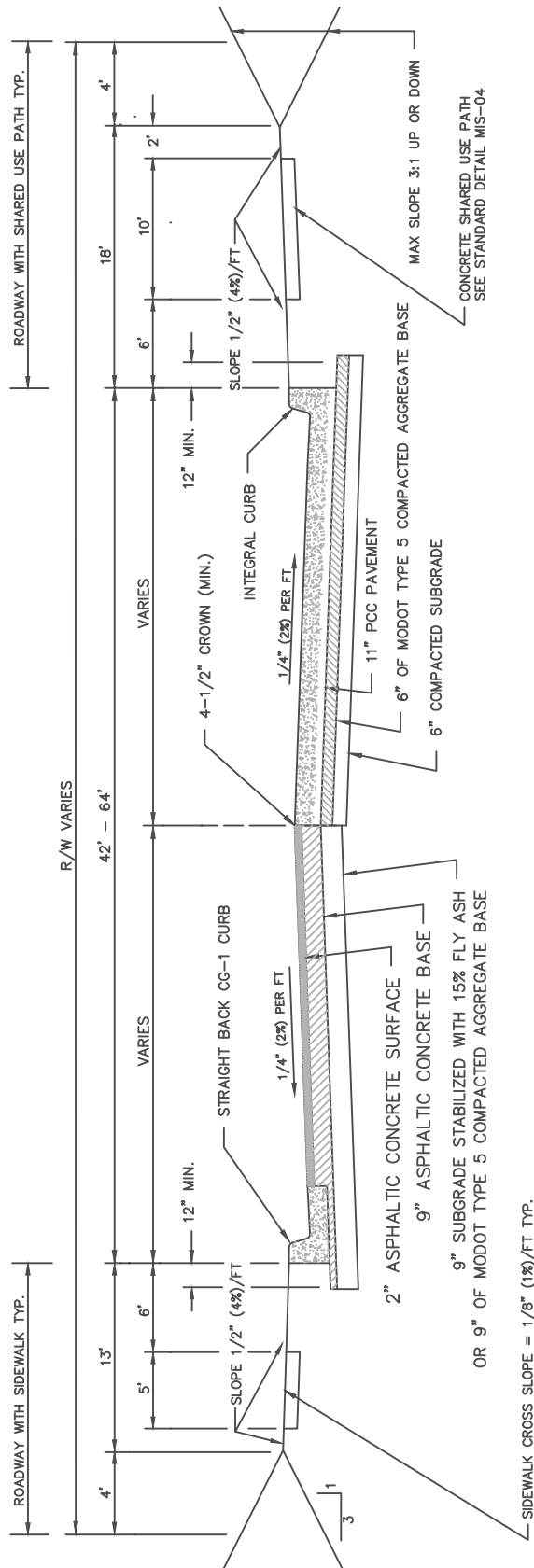


STANDARD DETAILS
INDUSTRIAL COLLECTOR STREET

REVISIONS

NO.	DATE	BY	REMARKS
1	01/14	BM	GENERAL UPDATE
2	04/18	TSD	GENERAL UPDATE

DRAWN BY:	SPJ	DATE:	1-26-93
DETAIL NO.:	STR-04	SCALE:	NO SCALE
APPROVED BY:			



MAJOR/MINOR ARTERIAL STREET – TYPICAL SECTION

NOTES:

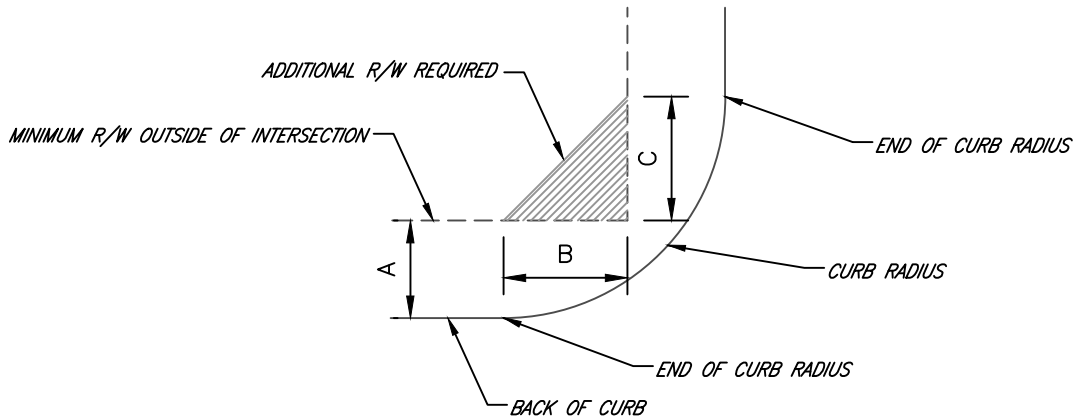
1. CONSTRUCT ADA COMPLIANT SIDEWALK ON ONE SIDE OF STREET AND CONSTRUCT ADA COMPLIANT SHARED USE PATH ON THE OTHER SIDE.
2. ALL PCC CONCRETE SHALL BE KOMMB 4K MIX.
3. PCC PAVEMENT ALLOWED ONLY WITH APPROVAL FROM THE CITY OF BLUE SPRINGS PUBLIC WORKS DIRECTOR.
4. AC MIXES SHALL CONFORM TO APWA. RECYCLED ALLOWED IN BASE AC ONLY. NO SHINGLES ALLOWED IN MIX DESIGN.
5. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
6. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 8" THICK AND RESIDENTIAL DRIVEWAYS SHALL BE 6" THICK AND MAINTAIN A GUTTER PROFILE IN ALIGNMENT WITH THE CURB (SEE DRIVEWAY DETAIL MIS-03).
7. SEE DETAIL DRAWING MIS-04 IF SHARED USE PATH IS REQUIRED.
8. THERE SHALL BE A MINIMUM OF 2' OF R/W BEHIND THE SIDEWALK OR SHARED USE PATH.



STANDARD DETAILS
MAJOR/MINOR ARTERIAL STREET

REVISIONS			
NO.	DATE	BY	REMARKS
1	01/14	BM	GENERAL UPDATE
2	04/18	TSD	GENERAL UPDATE

DRAWN BY:	SPJ	DATE:	1-22-93
DETAIL NO.:	STR-05	SCALE:	NO SCALE
APPROVED BY:			



STREET CLASSIFICATION	CURB RADIUS	A MINIMUM	B MINIMUM	C MINIMUM
MAJOR/MINOR ARTERIAL STREET	35'-50'	17'	19'-34'	19'-33'
INDUSTRIAL COLLECTOR STREET	50'	12'	38'	38'
COMMERCIAL COLLECTOR STREET	35'-50'	12'	23'-38'	23'-38'
RESIDENTIAL COLLECTOR STREET	35'	14'	21'	21'
RESIDENTIAL LOCAL STREET	25'	11'	14'	14'

- NOTES: 1. ADDITIONAL RIGHT OF WAY IS REQUIRED AT ALL STREET INTERSECTIONS.
 2. WHEN TWO STREETS WITH DIFFERENT CLASSIFICATIONS INTERSECT, THE ONE WITH THE LARGEST RADIUS SHALL BE USED TO DETERMINE THE RADIUS REQUIRED FOR THAT INTERSECTION.

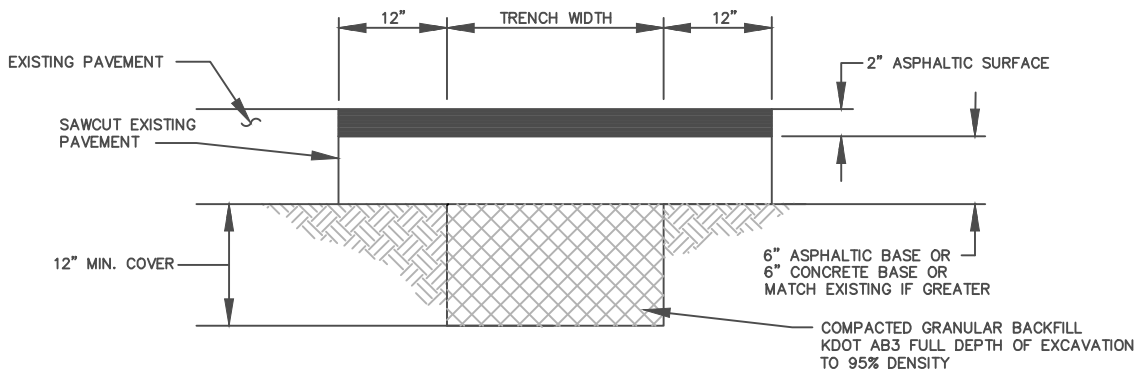
INTERSECTION R/W PLAN VIEW



STANDARD DETAILS

INTERSECTION RIGHT OF WAY

REVISIONS				DRAWN BY:	PWC	DATE:	04-02-14
NO.	DATE	BY	REMARKS	DETAIL NO.:	STR-06	SCALE:	NO SCALE
1	04/18	TSD	GENERAL UPDATE	APPROVED BY:			



STREET CUT RESTORATION DETAIL

- NOTES: 1. TO OBTAIN A STREET CUT PERMIT, AND A RIGHT OF WAY WORK PERMIT CONTACT ENGINEERING AT 816-228-0121.
2. ALL ASPHALT SHALL CONFORM TO APWA STANDARDS.
3. ALL CONCRETE USED IN THIS APPLICATION SHALL BE 4000 PSI MIX.
4. TRAFFIC CONTROL SHALL CONFORM TO THE M.U.T.C.D.
5. EXCAVATIONS SHALL BE PLATED OR FILLED OVERNIGHT.

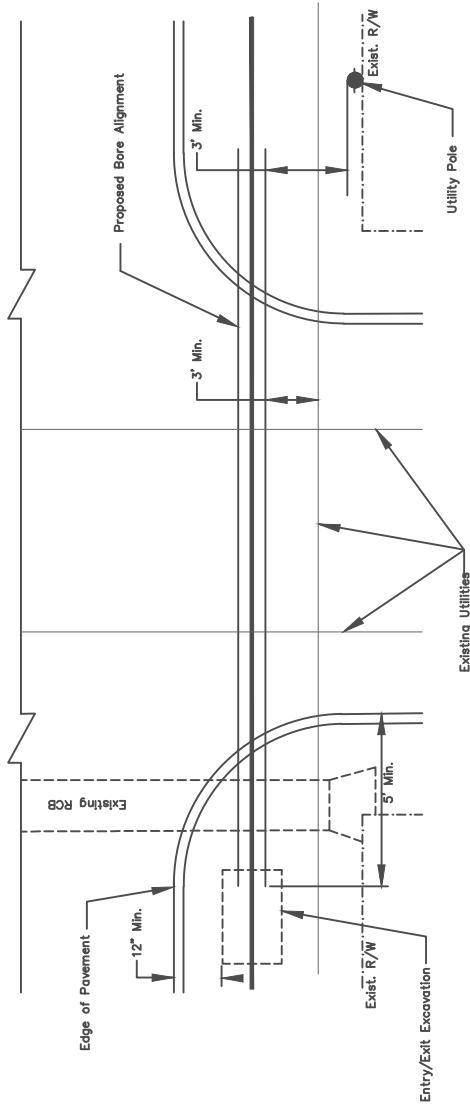


STANDARD DETAILS STREET CUT RESTORATION

REVISIONS				DRAWN BY:	PWC	DATE:	03-25-14
NO.	DATE	BY	REMARKS	DETAIL NO.:	STR-07	SCALE:	NO SCALE
1	04/18	TSD	GENERAL UPDATE	APPROVED BY:			

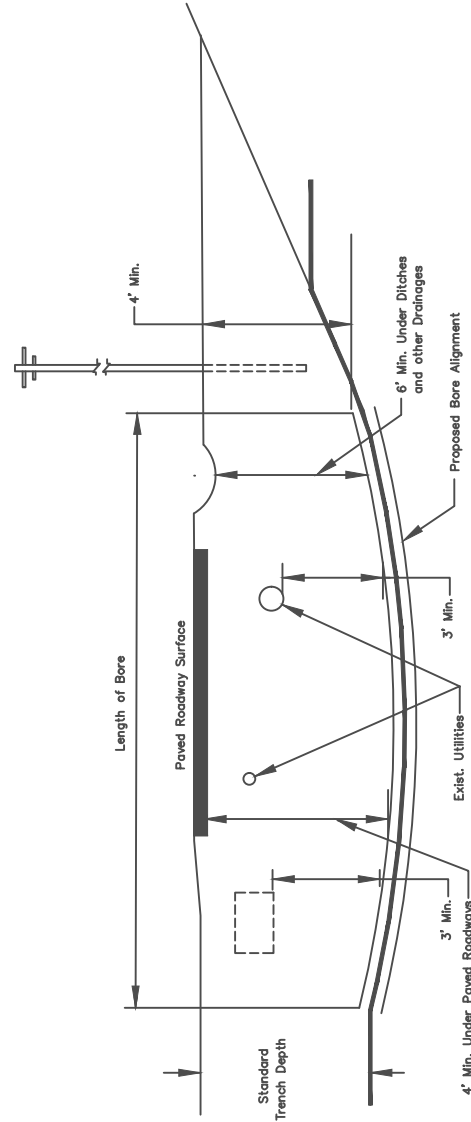
HDD Installation Notes:

1. Blue Springs Municipal Code and Blue Springs Design and Construction Manual are incorporated, except as otherwise noted.
2. All Horizontal Directional Drilling (HDD) installation activities shall be in compliance with the Blue Springs HDD Guidelines Handbook.
3. The permittee shall be responsible for notification of one-call services and coordination of all utilities prior to construction.
4. Drilling fluids shall be contained and removed immediately upon bore completion.
5. All construction materials shall be removed from the site prior to restoration of disturbed areas.
6. All restoration work shall match existing or better condition. In restoring the right-of-way, the permittee guarantees its work and shall maintain it for 24 months following its completion.
7. Excavations under paved surfaces shall be restored in compliance with the Blue Springs standards for street trenching located in the Design and Construction Manual.



Horizontal Minimum Clearances

Not to Scale



Vertical Minimum Clearances

Not to Scale

HORIZONTAL DIRECTIONAL DRILLING INSTALLATION

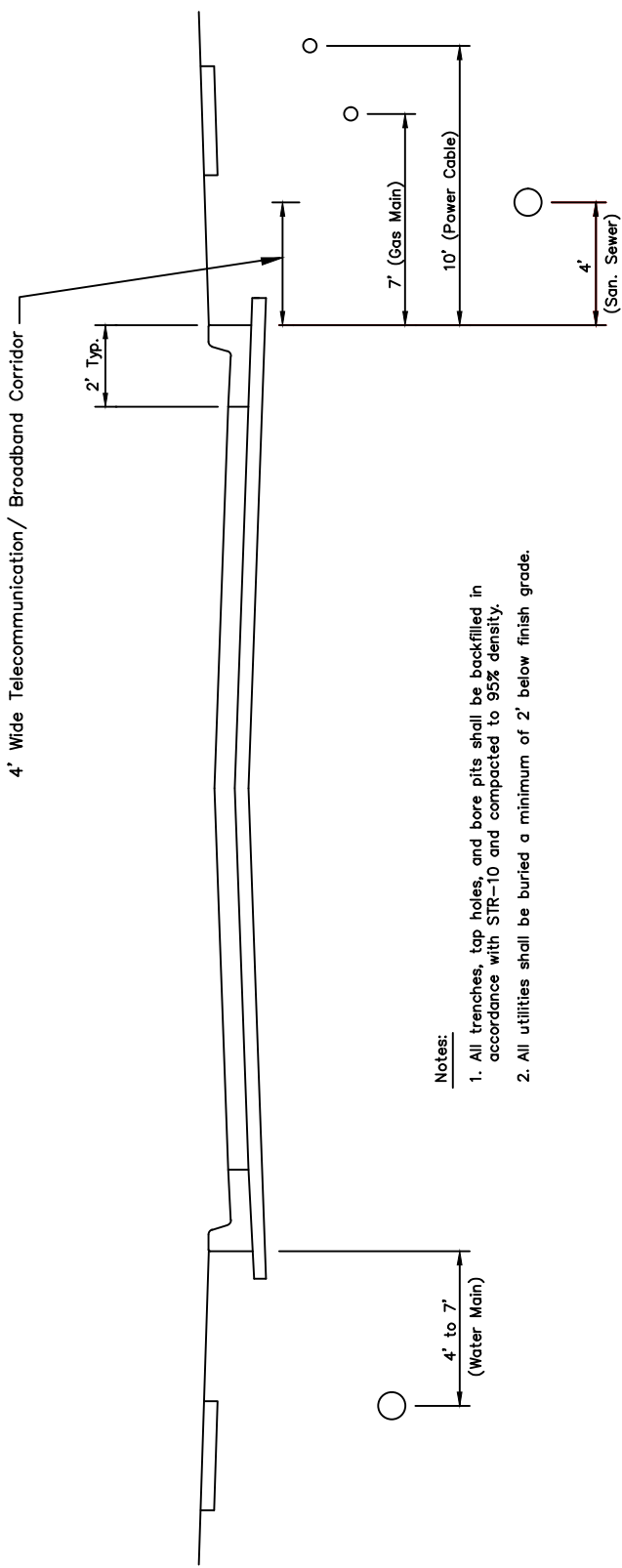


STANDARD DETAILS

HORIZONTAL DIRECTIONAL DRILLING INSTALLATION

REVISIONS			
NO.	DATE	BY	REMARKS
1	04/18	TSD	GENERAL UPDATE

DRAWN BY:	PWC	DATE:	07-08-15
DETAIL NO.:	STR-08	SCALE:	NO SCALE
APPROVED BY:			



4' Wide Telecommunication/ Broadband Corridor

2' Typ.

4' to 7'
(Water Main)

7' (Gas Main)

10' (Power Cable)

4'
(San. Sewer)

Notes:

1. All trenches, tap holes, and bore pits shall be backfilled in accordance with STR-10 and compacted to 95% density.
2. All utilities shall be buried a minimum of 2' below finish grade.

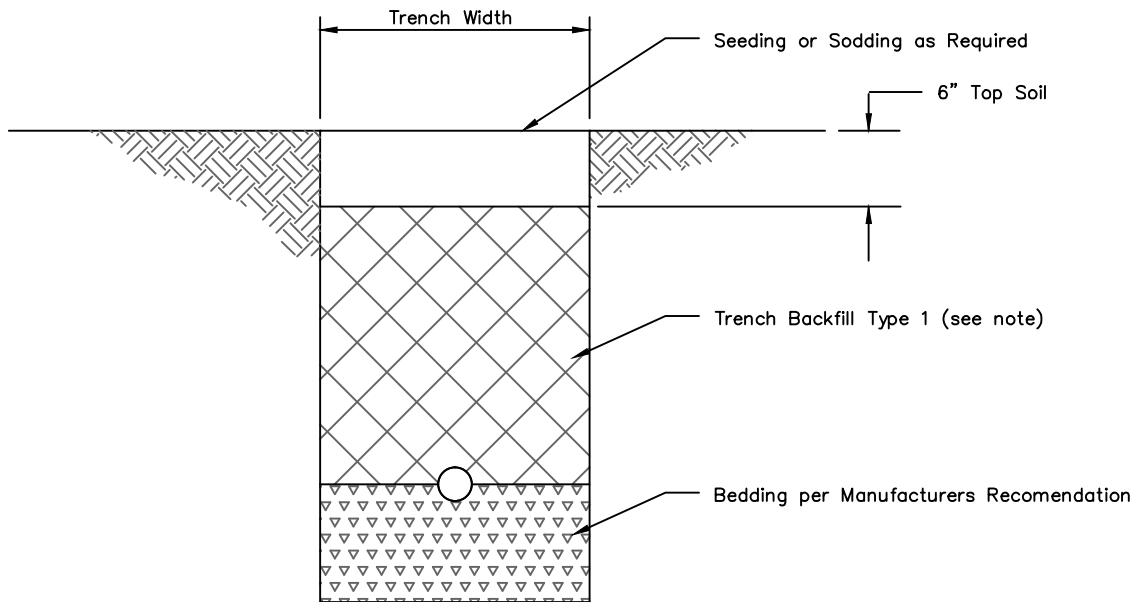
Standard Right of Way Utility Location Detail



STANDARD DETAILS
RIGHT OF WAY UTILITY LOCATIONS

REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN BY:	PWC	DATE:	07-08-15
DETAIL NO.:	STR-09	SCALE:	NO SCALE
APPROVED BY:			



Note: Trench backfill (Type 1) shall be finely divided material free from debris and stones, compacted to 95% minimum density.

Typical Trench/ Bore Pit Backfill Detail



STANDARD DETAILS

Typical Trench/ Bore Pit Backfill

REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN BY: PWC	DATE: 07-08-15
DETAIL NO.: STR-10	SCALE: NO SCALE
APPROVED BY:	