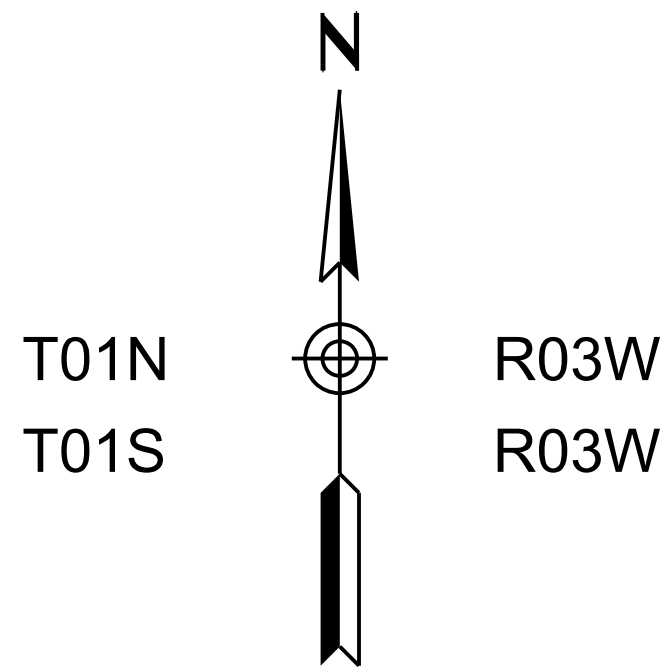




STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS

URBANIZED AREA
CITY OF BUCKEYE



BUCKEYE FIBER OPTIC BACKBONE
(MC 85/MILLER ROAD)
PROJECT NO: 0000 MA BKY T0630 01C
FEDERAL AID NO: BKY-0(216)T



ROOSEVELT IRRIGATION DISTRICT APPROVAL

THE ROOSEVELT IRRIGATION DISTRICT (RID) HAS REVIEWED THESE PLANS SOLELY FOR CONFORMANCE TO RID STANDARDS AND SPECIFICATIONS AS RELATED TO RID IRRIGATION AND/OR DRAINAGE FACILITIES. RID MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING THE SUITABILITY, AND/OR ADEQUACY, OF THE ITEMS BEING CONSTRUCTED TO MEET, FULFILL, OR OTHERWISE SATISFY, THEIR INTENDED PURPOSE. RID APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS OR OMISSIONS. RID RIGHT-OF-WAY CROSSING PERMIT REQUIRED PRIOR TO CONSTRUCTION.

ROOSEVELT IRRIGATION DISTRICT DATE
RID PERMIT NUMBER _____
RID PERMIT & PLAN APPROVAL EXPIRE ONE YEAR FROM ABOVE DATE

APPROVAL

DISCLAIMER:

THE CITY APPROVES OF THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERROR AND OMISSIONS.

BY: _____ DATE _____
CITY OF BUCKEYE ENGINEER

Constructed by:

Construction Company _____

Completion Date _____

Red-Lines by:

Construction Administrator Name & Company _____

Completion Date _____

Record Drawings by:

Record Drawings Designer Name & Company _____

Completion Date _____

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
AUDRA MERRICK, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	_____ OF _____
--------------------	----------------	----------------

LEGEND

EXISTING	NEW	DESCRIPTION
		NO. 9/9B PULL BOX (ITS)
		NO. 8 PULL BOX
		NO. 7 PULL BOX
		NO. 7E PULL BOX W/EXTENSION
		CABINET
		CONDUIT
		CONDUIT INSTALLATION METHOD CHANGE
		CONSTRUCTION NOTE

LENGTH OF PROJECT

Monroe Ave to Pima St along Miller Rd & Miller Rd to Eason Ave along Monroe Ave	
Miller Rd:	Begin Station = 95+00 End Station = 325+00
Monroe Ave:	Begin Station = 35+00 End Station = 155+00
Total Miles = 6.63 Miles	

INDEX OF SHEETS

SHEET NO.	SHEET TYPE
1	Face Sheet
2	Legend, Sheet Index, & Construction Notes
3	ITS General Notes
4	RID General Notes
5	Summary of Quantities
6	City of Buckeye Standard Detail Index
7-11	City of Buckeye ITS Standard Details
12-20	Control Point Plan Sheets
21-23	Splice Detail Sheets
24	Pull Box & Branch Fiber Schedule
25-40	ITS Plan Sheets
41-46	Corner Detail Sheets
47-48	Traffic Control Sheets

DESIGN DATA

Miller Rd; Monroe Ave to Pima St
2023 AADT 19,160
Monroe Ave; Miller Rd to Eason Ave
2023 AADT 13,536

POSTED SPEED

Miller Rd; Monroe Ave to Alarcon Blvd:
35 MPH
Miller Rd; Alarcon Blvd to Pima St:
45 MPH
Monroe Ave; Miller Rd to Eason Ave:
25 MPH

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates
X = 494,200
Y = 870,178

CONSTRUCTION NOTES:

1 Existing Conduit. Protect in Place.	12 Install New 12 SMFO Cable.	23 Existing ITS Utility Vault. Protect in Place.
2 Existing Pull Box. Protect in Place.	13 Coil 100' of SMFO (288) Cable in No. 9 Pull Box.	24 Route New Conduit into Existing Utility Vault.
3 Existing Cables. Protect in Place.	14 Coil 25' of SMFO (288) Cable in No. 8 Pull Box	25 Modify Existing Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.
4 Existing Traffic Signal Cabinet. Protect in Place.	15 Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.	26 Coil 50' of SMFO (12) Cable in No. 9Pull Box.
5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.	16 Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.	27 Coil 25' of SMFO (12) Cable in No. 8 Pull Box.
6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.	17 Not Used	28 Coil 100' of SMFO (288) Cable in Existing ITS Utility Vault.
7 Install New 1-2" Conduit by Trenching per Detail A.	18 Route New Fiber Through Existing Conduit.	28 Install New Splice Closure and Fusion Splice Loose Tube FMFO (288) to Micro-Fiber SMFO (288) as shown in the Splice Details.
8 Install New No. 9 Pull Box per Detail E.	19 Install New Field Hardened Ethernet Switch.	
9 Install New No. 8 Pull Box Per Detail F.	20 Route New Conduit into New Pull Boxes per Detail D.	
10 Install New 288 SMFO Micro-Fiber Cable.	21 7-Way Micro-Duct Coupler Location.	
11 Install New Dielectric Loose Tube 288 SMFO Cable.	22 Install 1-2" Conduit by Directional Drill.	

ITS GENERAL NOTES

1. This project has been designed using the current Edition of City of Buckeye ITS Standards as shown in the plan details and ADOT 2021 Standard Specifications for Road and Bridge Construction.
2. The conduit notes only show those cables that are affected by this project. The contractor is cautioned that there may be other cables in the conduit that are not shown and shall remain undisturbed.
3. All proposed conduit shall be installed by means of open trenching, except where directional drilling is specifically called for on the plans. The installation method called for has been selected based on the best available information at the time of design and the Engineer's judgement. The contractor may elect to alter the installation method, at no additional cost to the Department, if the contractor believes an alternate method would be more appropriate or cost effective at any given location given the current conditions. If the conduit installation is to be other than as shown on the plans, the method shall be approved by the Engineer prior to ordering of materials and commencement of work activity at the subject location.
4. All conduit shall be placed in trenches according to Detail A as indicated on plan sheets. Exact conduit route to be verified with and approved by the Engineer prior to excavation to account for field conditions. All conduit and cable (communication and electrical) shall be installed according to the latest Edition of The National Electrical Code.
5. All conduit shall be backfilled per Detail A with select excavated backfill according to Detail A unless otherwise noted on the plans.
6. If the conduit encased in select excavated backfill must deviate from a tangent path to avoid obstructions, the contractor shall route the conduit curvature as shown on the plans. Elbows shall not be permitted except as specified in the plans.
7. The plans show the general path and location of conduit and equipment in relation to major physical features. The location of utility poles, fire hydrants, irrigation devices, vegetation and other stationary objects along the conduit path may not be shown but shall be identified by the contractor as the conduit route is marked just prior to trenching. The contractor shall place all conduit in a manner that minimizes bending both horizontally and vertically, thus minimizing induced stresses on cables during installation. All locations shall be approved by the Engineer prior to trenching.
8. When shown, dimensional distances for conduit locations are provided to assist the contractor in conduit placement. The contractor is responsible for field locating all conduit around existing utilities and obstructions within the project limits.
9. All work shall be performed within City right-of-way. New right-of-way and/or easements are not required.
10. The contractor shall notify AZ811 (Blue Stake) (602-263-1100) at least 2 working days prior to any excavation.

11. The information shown on the drawings concerning the type and location of existing underground and overhead utilities is approximate and has not been independently verified by the Engineer or the Engineer's agent. The contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might result from the contractor's failure to exactly locate and preserve any and all underground and overhead utilities. The repairs to existing utility infrastructure damaged by the contractor's activities shall be performed at no additional cost to the Department.
12. The horizontal locations of existing utilities are shown in their approximate location. The vertical locations of existing utilities are shown only where verified by field survey methods. The contractor shall be responsible to adhere to all current Arizona 811 laws and Section 107.15 of the Standard Specifications.
13. All landscape repair and restoration work and materials required as a result of conduit installation shall conform to the requirements of Section 806 of the Standard Specifications and the project Special Provisions. All irrigation repair and restoration work and materials required as a result of conduit installation shall conform to the requirements of Section 808 of the Standard Specifications and the project Special Provisions at no cost to the Department.
14. All existing plant material 3 feet or less from the centerline of the trench that is disturbed during the construction phase shall be replaced with identical plant species and shall be planted and staked per the original plans to the approval of the Engineer. Replacement plant material shall be 5 gallon container size for all trees and 1 gallon container size for all shrubs. Plantings shall be planted at their original location or at a minimum distance of 3 feet from the centerline of the trench, whichever is a greater distance.
15. All existing landscape shall not be without existing irrigation system supplied water for periods longer than 24 hours. The contractor shall be responsible for maintaining all existing plant material in healthy condition and proper function of the water and electrical services affected during construction.
16. Plant material may be pruned to provide construction access. The pruning shall be performed by experienced landscape personnel. The pruning methods shall be approved by the Engineer prior to any pruning.
17. All damage caused by construction activities to the irrigation system shall be repaired, flushed and tested for leaks in the system. Testing shall be completed at operating pressure within 24 hours of the completion of work at the subject location. The irrigation system shall be repaired with comparable materials and installation methods as per original plans and to the approval of the Engineer at no cost to the Department.
18. Existing survey monuments and property corner monuments may be encountered during construction. The contractor shall identify, flag, and avoid disturbing any such monuments.

19. Where proposed conduit is shown routed to an existing pull box, all proposed conduits shall be intercepted by the existing box. New conduits shall be installed in accordance with the details shown on the plans and the specifications.
20. A 25 foot service loop of all fiber optic cables shall be coiled in each No. 8 pull box.
21. In all locations where fiber enters a No. 9 (existing and new), cable slack shall be loosely looped using the rack and hook system. A 100 feet of cable slack for all cables entering the pull box shall be provided.
22. The contractor will be required to submit ITS conduit ductbank plan and profile drawings to the Engineer for approval before the installation of ITS conduit.
23. The contractor shall submit as-installed conduit profiles to the Engineer and the City of Buckeye.



	NAME	DATE
DESIGN	E.E.C.	09/26
DRAWN	E.J.S.	09/26
CHECKED	GA/TMM	09/26
Kimley»Horn		
2025 KIMLEY-HORN AND ASSOCIATES, INC.		

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
ITS GENERAL NOTES

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 3	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-01.02
STRUCTURE NO.	TRACS NO. T0630 01C					___ OF ___	

RID GENERAL NOTES

1.

The term "district" in these notes and plans shall refer to the Roosevelt irrigation district.
2.

The district construction observer must approve the scheduling of all construction activities within the district right-of-way (R/W) or easement. The district may require that some or all of the construction for the project be completed during a scheduled dry-up of the main canal.
3.

All construction plans affecting district facilities must be reviewed and approved by the district.
4.

The contractor shall contact the district's construction observer at (602) 284-7017, a minimum of 14 calendar days prior to commencement of construction.
5.

The contractor is responsible for obtaining a right-of-way crossing permit from the district before any work can commence within district R/W or easement.
6.

The contractor shall provide shop drawings for review by the district's Engineer as may be necessary for the execution of the work and as required by the drawings and specifications.
7.

All existing district facilities disturbed by new construction shall be reconstructed to current district standards.
8.

All construction including, but not limited to: equipment, fencing, spoils, etc. Must remain outside of district R/W or easement unless otherwise approved by the district construction observer.
9.

Existing district facilities must remain operational, and shall not be disturbed or rendered inaccessible to district operations and maintenance staff.
10.

Utilities include any water, sewer, reclaimed water, gas, electrical, landscape irrigation, communication, etc.
11.

All staking of proposed utilities must be complete and approved by the district construction observer prior to all construction.
12.

All crossings must be bored while the district's facilities are active. Open trench construction only during the Roosevelt Irrigation District annual dry-up.
13.

Minimum open trench clearance from outside existing district facility to outside proposed utility:

A. Utility runs parallel

2 ft horizontal

B. Utility crosses perpendicular

1 ft vertical below

C. Above ground utility

4 ft horizontal

PIPE SIZE (IN)	PIPE O.D.* (IN)
24"	30"
30"	37"
36"	44"
48"	58"
60"	73.5"

*O.D. = OUTSIDE DIAMETER
OF THE BARRELL OF THE PIPE.

RID DIRECTIONAL BORE NOTES

1.

Directional bore per MAG Std Specification 608.
2.

Directional bore pipes must extend from edge of district's R/W to R/W or easement to easement.
3.

Minimum clearance from bottom of existing district's facility to top of casing pipe:

A. Exist Lined

4 ft

B. Exist Unlined

6 ft from bottom of new shotcrete lining

C. Exist box Culvert

3 ft from bottom of structure

D. Exist Pipeline

4 ft from bottom of pipeline
4.

Unless otherwise approved by the district, no excavation is permitted within district R/W or easement.
5.

All bore and receiving pits must be constructed completely outside of district's R/W or easement (including all sloping).
6.

No manholes, risers, valves or other similar facilities are to be placed in any portion of the district's R/W or easement.
7.

All affected portions of the district's R/W or easement, including road surfaces, shall be restored to their original condition or better.
8.

Completely remove all dirt and debris after completion of directional bore construction.
9.

The contractor shall at all times protect the integrity of the main canal, laterals and any appurtenant district facilities.
10.

The district's construction observer may require certified potholes documenting the location of the installed equipment with respect to rid facilities. Contractor shall consult the construction observer for location and number of potholes required.
11.

Contractor shall submit boring logs before a final acceptance can be granted.

RID GRADING NOTES

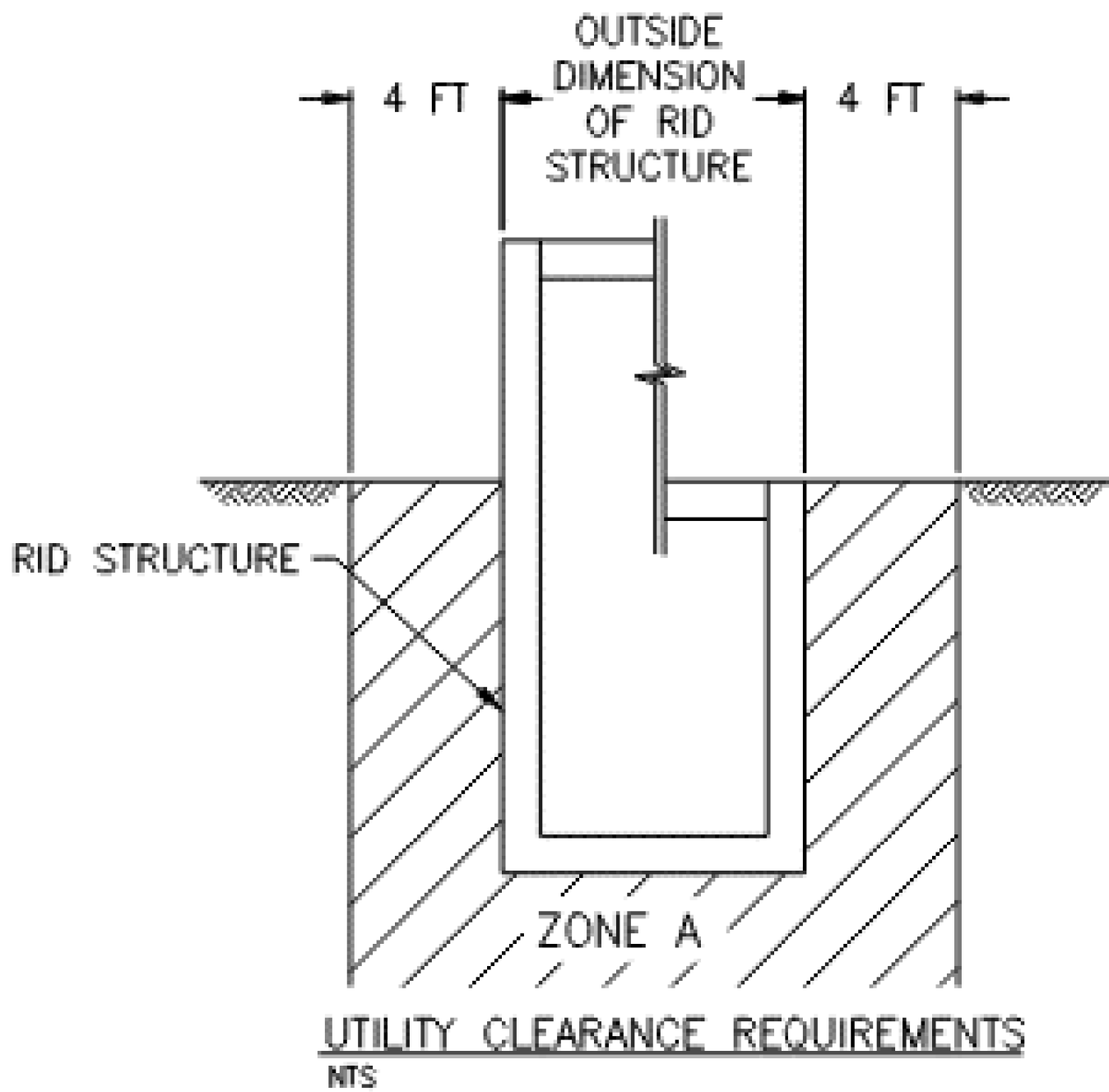
1.

The contractor shall provide smoothly and evenly graded finished ground surfaces about all district facilities within the project area and blend smoothly into existing grades.
2.

The contractor shall import additional fill material or export excess cut material as required to provide satisfactory finished grading about district facilities as indicated on the approved plans or as directed by the district construction observer.
3.

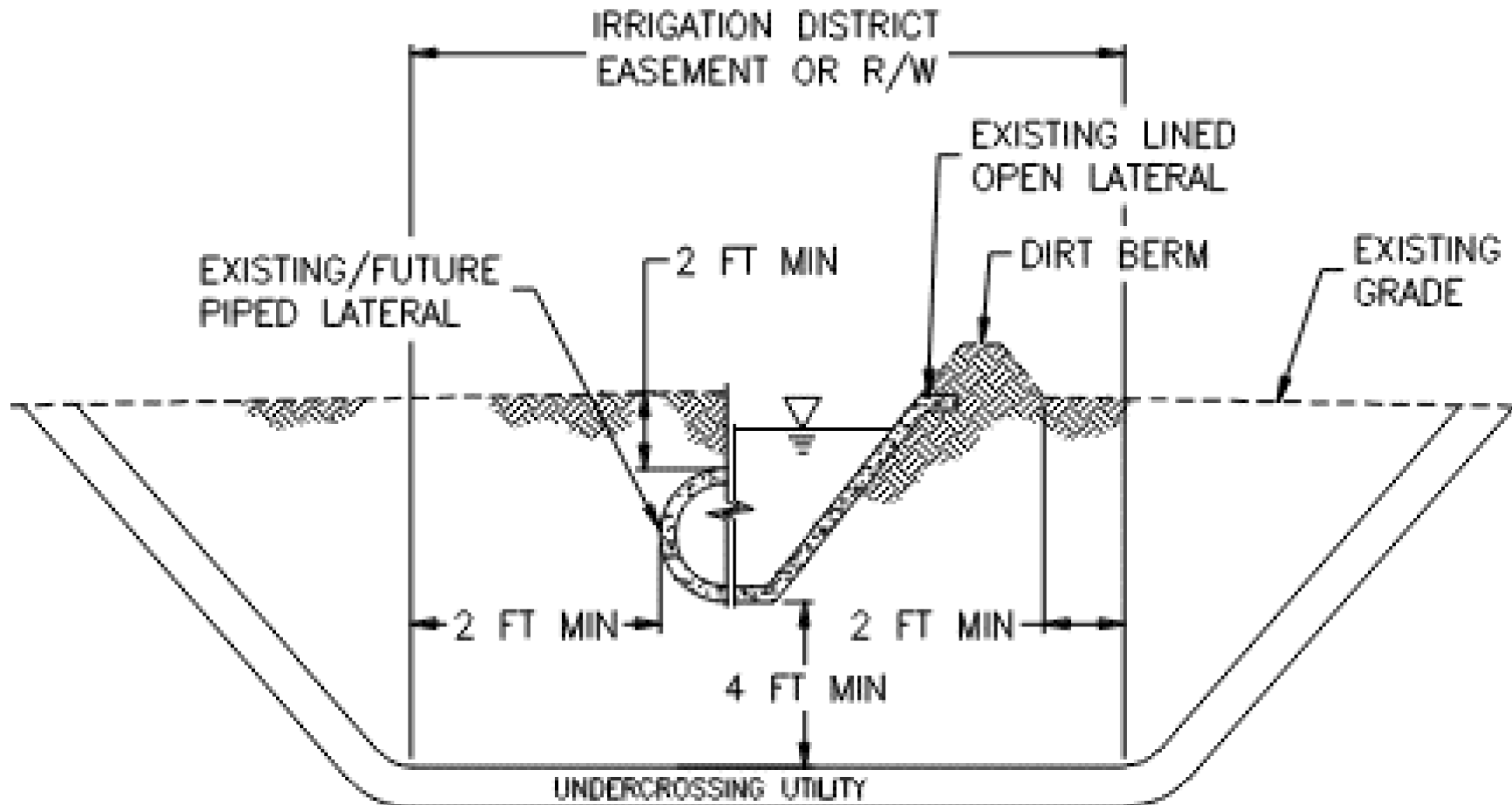
Finished surfaces shall be graded to direct drainage away from district facilities.
4.

O&M roads adjacent to canal prism shall be constructed with a minimum elevation 6 inches above adjacent fields and a 2% cross slope away from canal prism area unless otherwise noted.



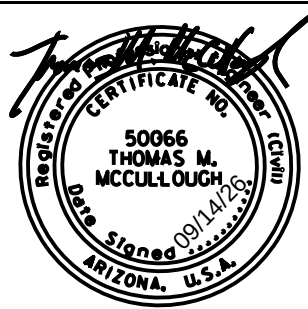
NOTES:
ZONE A: NO UTILITIES PERMITTED WITHIN THIS ZONE. SEE NOTE 10 GENERAL NOTES.

RID STRUCTURE IS DEFINED AS A TURNOUT STRUCTURE, MANHOLE, HEADWALL ETC.



NOTES:
1. CLEARANCE SHALL ACCOUNT FOR PIPE THICKNESS.

RID DIRECTIONAL BORE CROSSING OF DISTRICT LATERAL
NTS



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

Kimley»Horn
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
RID GENERAL NOTES

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 4	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-01.03
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

Plan Sheet Summary of Quantities

BID ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER																
			25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOTAL
7320788	SINGLE MODE FIBER OPTIC CABLE (12 COUNT)	L.FT.	0	0	0	0	0	0	0	0	0	0	0	0	0	470	0	0	470
9240144	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL I) (DIRECTIONAL DRILL)	L.FT.	340	1585	1410	680	850	620	845	1020	500	255	0	0	1170	125	1025	240	10665
9240145	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL A) (TRENCHED)	L.FT.	0	485	600	1330	1065	1290	0	1080	1410	595	0	0	0	0	0	0	7855
9240148	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (LOOSE TUBE 288 FIBERS)	L.FT.	0	0	0	0	0	0	0	0	0	0	0	0	835	1990	0	0	2825
9240149	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (MICRO CABLE 288 FIBERS)	L.FT.	1540	2070	2010	2010	1915	1910	1820	2100	1910	2285	1930	150	1170	125	1025	240	24210
9240172	MISCELLANEOUS WORK (NO. 8 PULL BOX, STD DTL F)	EACH	1	0	0	0	0	1	1	0	0	0	0	0	3	0	1	0	7
9240173	MISCELLANEOUS WORK (NO. 9 PULL BOX, STD DTL E)	EACH	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	4
9240175	MISCELLANEOUS WORK (FIBER OPTIC SPLICE CLOSURE)	EACH	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1

Corner Detail Summary of Quantities

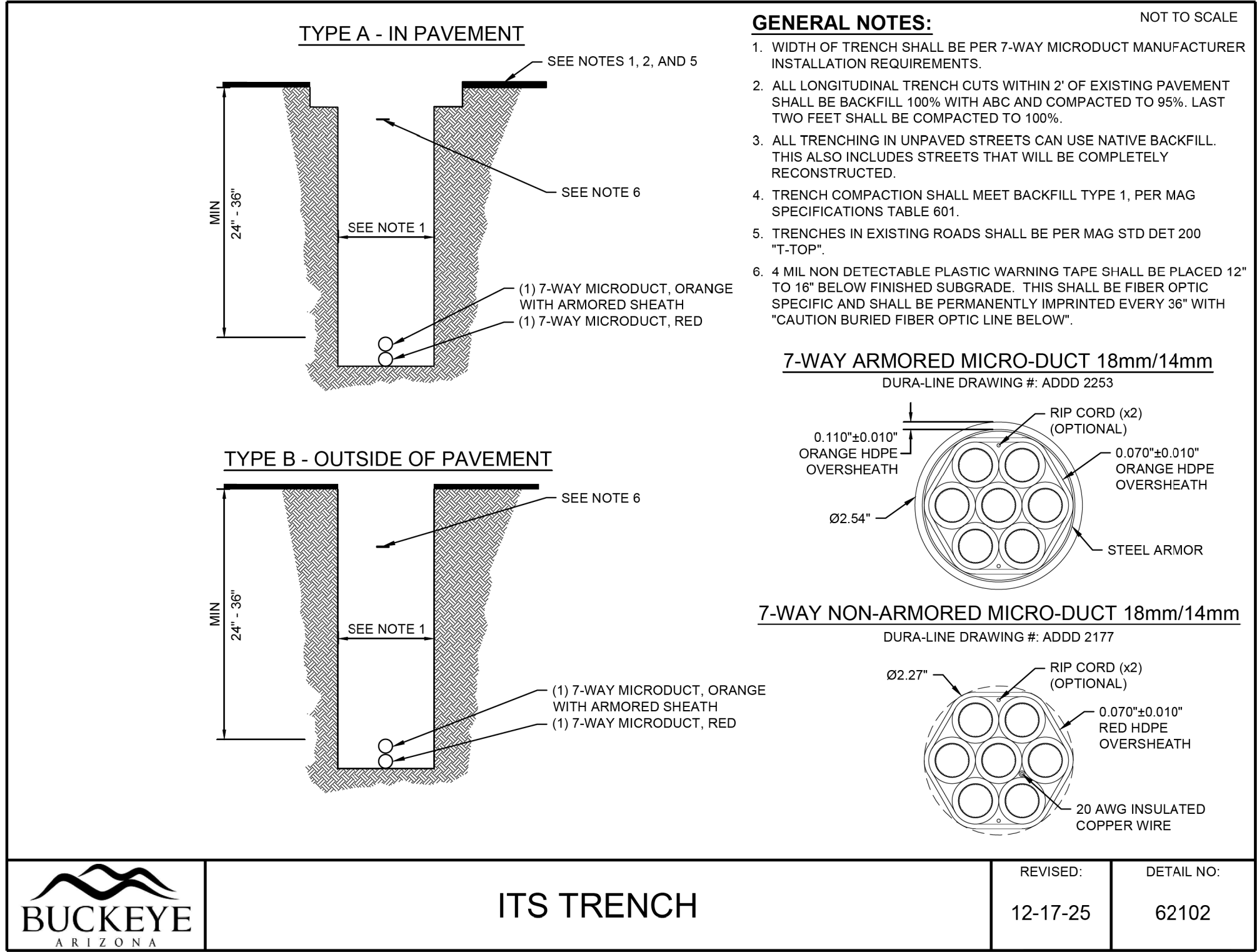
BIF ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER						
			41	42	43	44	45	46	TOTAL
7320788	SINGLE MODE FIBER OPTIC CABLE (12 COUNT)	L.FT.	180	80	50	30	225	100	665
9240144	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL I) (DIRECTIONAL DRILL)	L.FT.	150	155	45	0	30	40	420
9240145	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL A) (TRENCHED)	L.FT.	35	0	0	0	0	0	35
9240148	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (LOOSE TUBE 288 FIBERS)	L.FT.	0	0	0	0	215	95	310
9240149	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (MICRO CABLE 288 FIBERS)	L.FT.	185	205	250	160	30	40	870
9240174	MISCELLANEOUS WORK (TERMINATION PANEL)	EACH	2	2	2	1	2	2	11
9240175	MISCELLANEOUS WORK (FIBER OPTIC SPLICE CLOSURE)	EACH	2	2	2	1	1	1	9
9240176	MISCELLANEOUS WORK (FIELD HARDENED ETHERNET SWITCH)	EACH	2	2	2	0	2	2	10

	DESIGN	EEC	DATE	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	-	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	5	TOTAL SHEETS	48	RECORD DRAWING
	DRAWN	EJS	DATE	09/26															
	CHECKED	GA/TMM	DATE	09/26															
					SUMMARY OF QUANTITIES		LOCATION	Miller Road and Monroe Avenue										DWG NO.	-T-01.04
						STRUCTURE NO.		TRACS NO.		T0630 01C								___ OF ___	

BUCKEYE STANDARD DRAWINGS

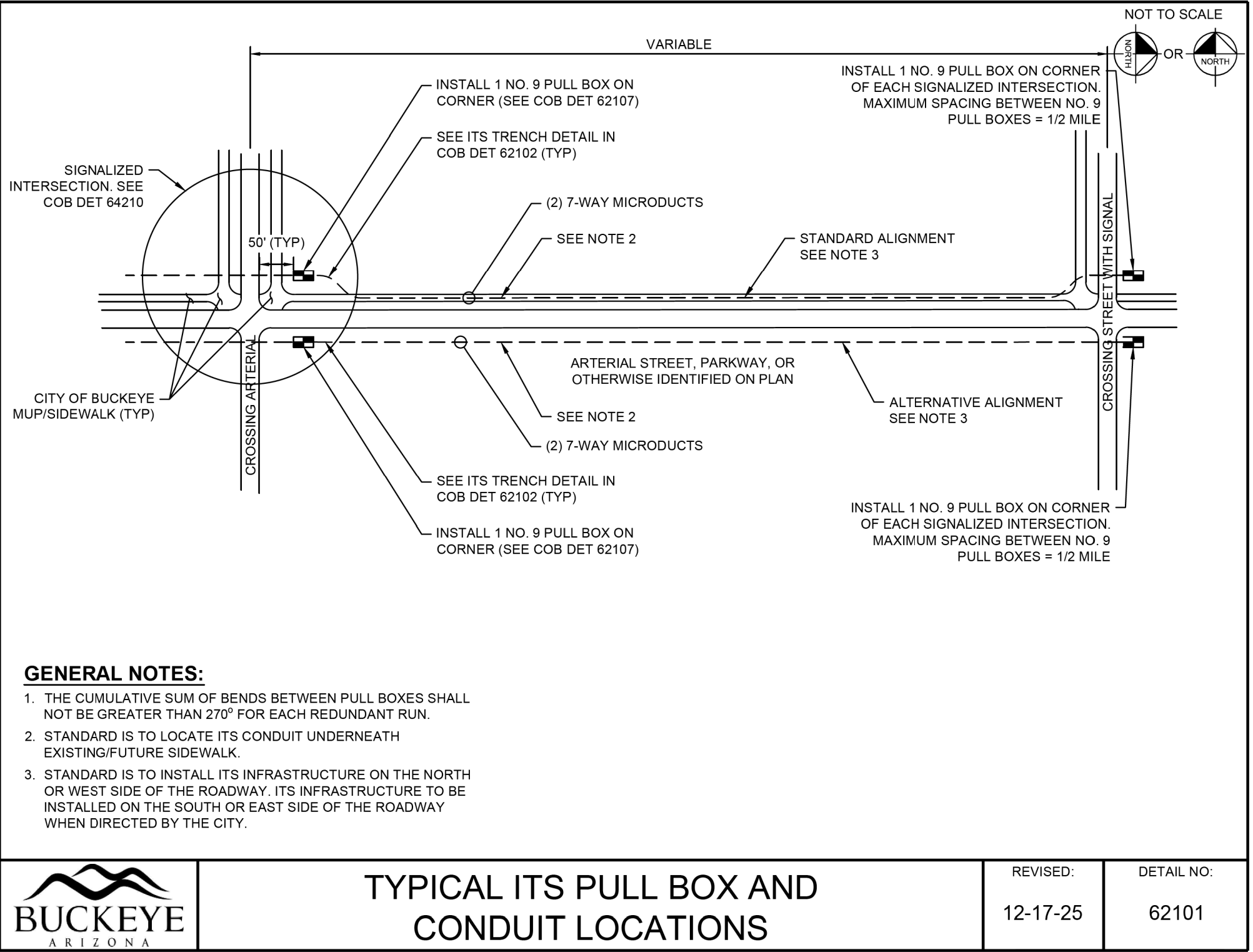
REVISION DATE	STANDARD NUMBER	SUBJECT : ITS STANDARD DETAILS
12-17-2025	62101	TYPICAL ITS PULL BOX AND CONDUIT LOCATIONS
12-17-2025	62102	ITS TRENCH
12-17-2025	62103	NO. 9 PULL BOX LOCATIONS
12-20-2025	66105-1	NO. 9 PULL BOX WIRING AND SPLICING DETAIL (1 OF 2)
12-19-2025	66105-2	NO. 9 PULL BOX WIRING AND SPLICING DETAIL (2 OF 2)
12-17-2025	62106	NO. 9 PULL BOX FIBER OPTIC SPLICE PROCEDURE
12-17-2025	62107-1	NO. 9 PULL BOX (1 OF 2)
12-19-2025	62107-2	NO. 9 PULL BOX (2 OF 2)
12-17-2025	62108	NO. 8 PULL BOX
12-17-2025	62122	NO. 9 PULL BOX WIRING AND SPLICING DIAGRAM

	DESIGN	EEC	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	-	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 6	TOTAL SHEETS 48	RECORD DRAWING
	DRAWN	EJS	09/26		MILEPOST								
	CHECKED	GA/TMM	09/26		STRUCTURE NO.								
				CITY OF BUCKEYE STANDARD DETAIL INDEX	LOCATION Miller Road and Monroe Avenue								
					TRACS NO. T0630 01C								
DWG NO. -T-02.01 ____ OF ____													



DETAIL A

**OPEN TRENCH INSTALLATION
& 7-WAY MICRO-DUCT
N.T.S.**



DETAIL B

**TYPICAL ITS PULL BOX AND
CONDUIT LOCATIONS
N.T.S.**

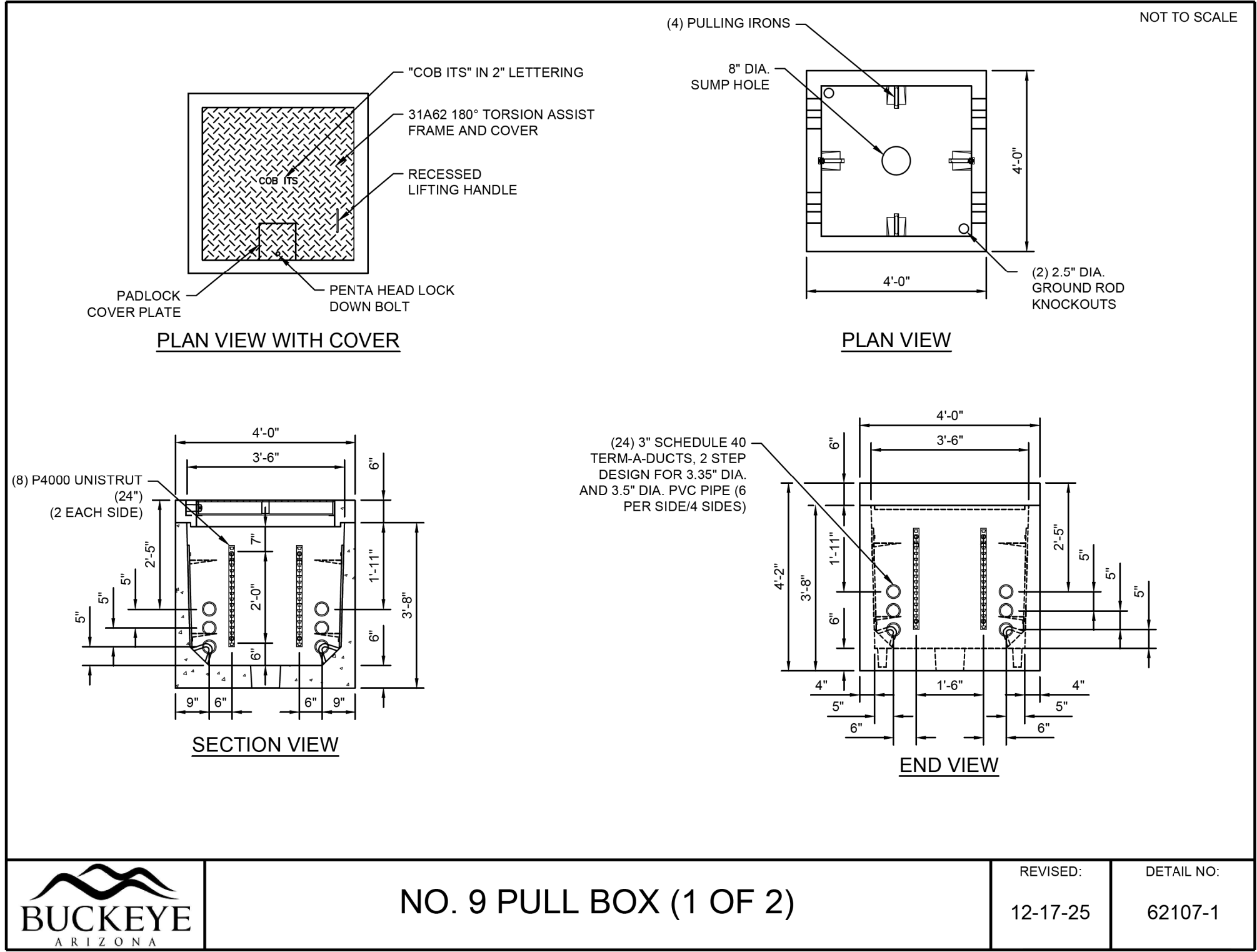


	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

Kimley»Horn

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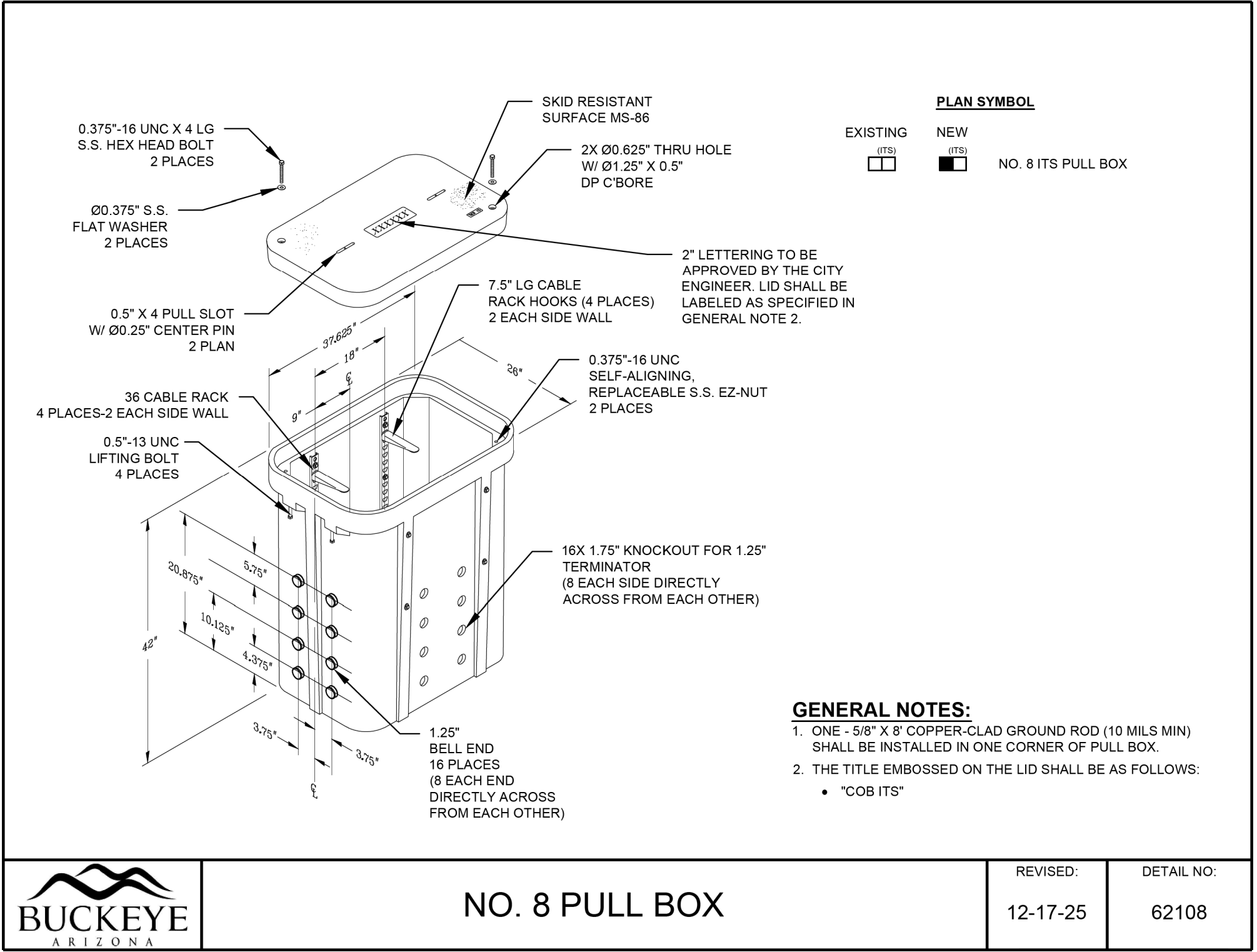
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 7	TOTAL SHEETS 48	RECORD DRAWING
	MILEPOST		LOCATION Miller Road and Monroe Avenue					
	CITY OF BUCKEYE STANDARD DETAIL INDEX	STRUCTURE NO.	TRACS NO. T0630 01C		___ OF ___			



DETAIL E

NO. 9 PULL BOX (1 OF 2)

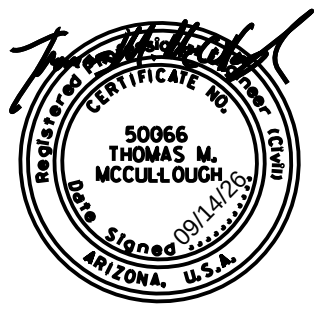
N.T.S.



DETAIL F

NO. 8 PULL BOX

N.T.S.

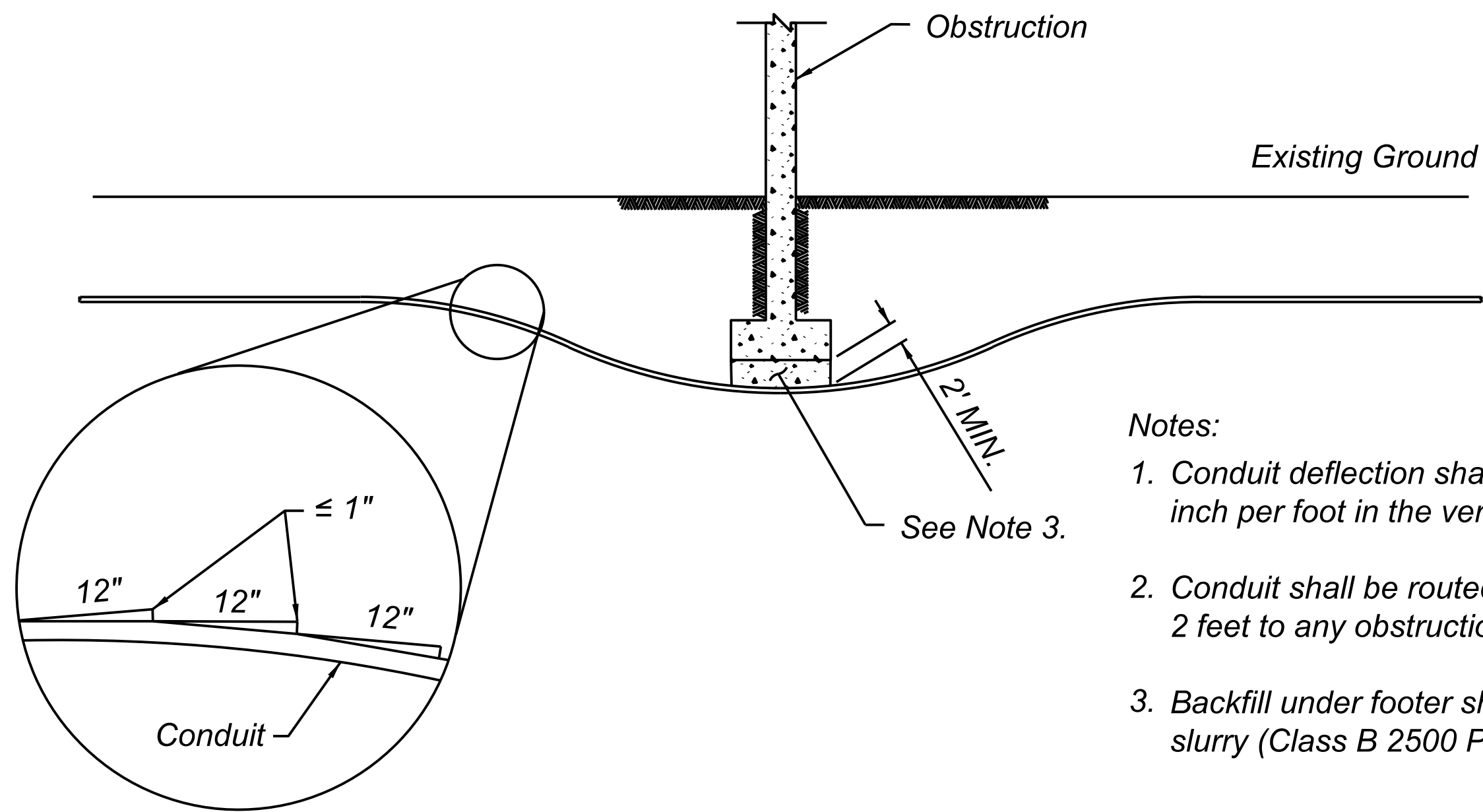


DESIGN	EEC	NAME	DATE
DRAWN	EJS		09/26
CHECKED	GA/TMM		09/26

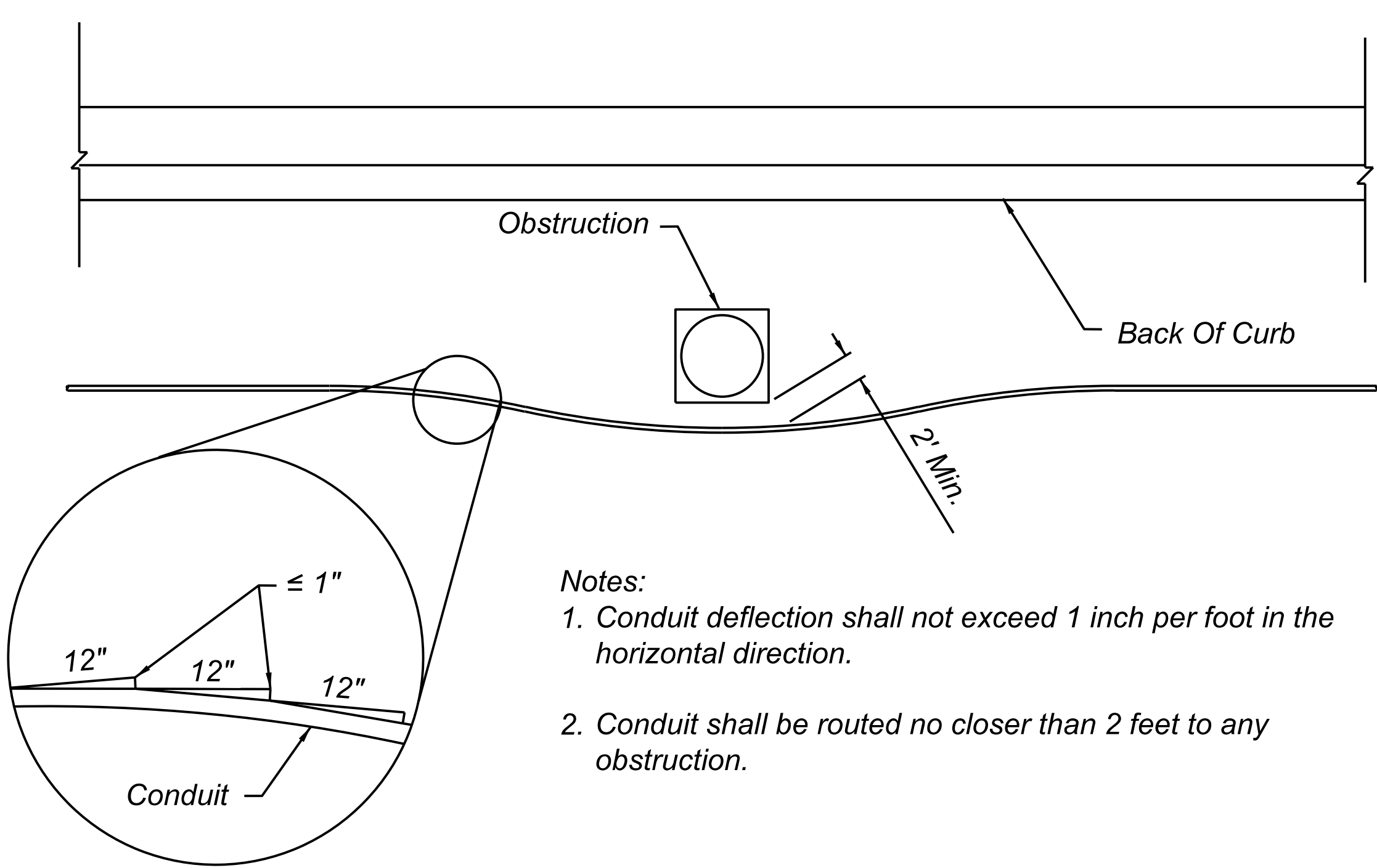
Kimley»Horn

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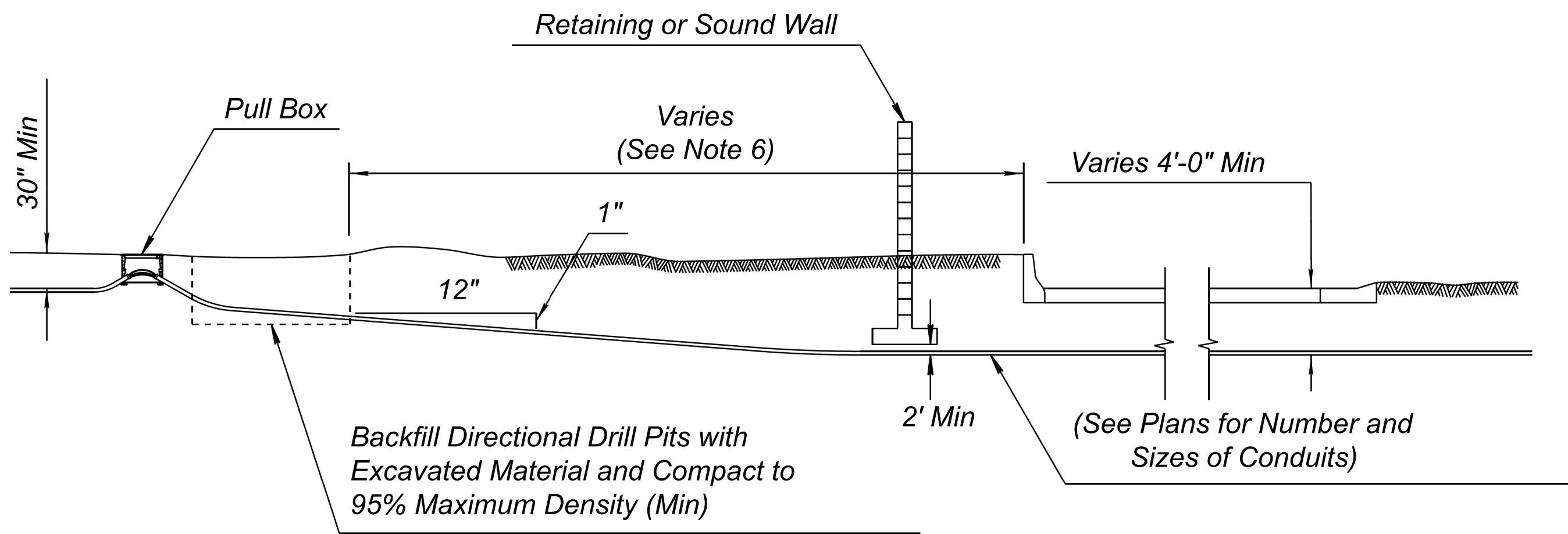
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	T0630			BKY-0(216)T	9	48		
	MILEPOST	LOCATION Miller Road and Monroe Avenue						
CITY OF BUCKEYE ITS STANDARD DETAILS	STRUCTURE NO.	TRACS NO. T0630 01C		DWG NO. ____ OF ____				



- Notes:
1. Conduit deflection shall not exceed 1 inch per foot in the vertical direction.
 2. Conduit shall be routed no closer than 2 feet to any obstruction.
 3. Backfill under footer shall be cement slurry (Class B 2500 PSI).



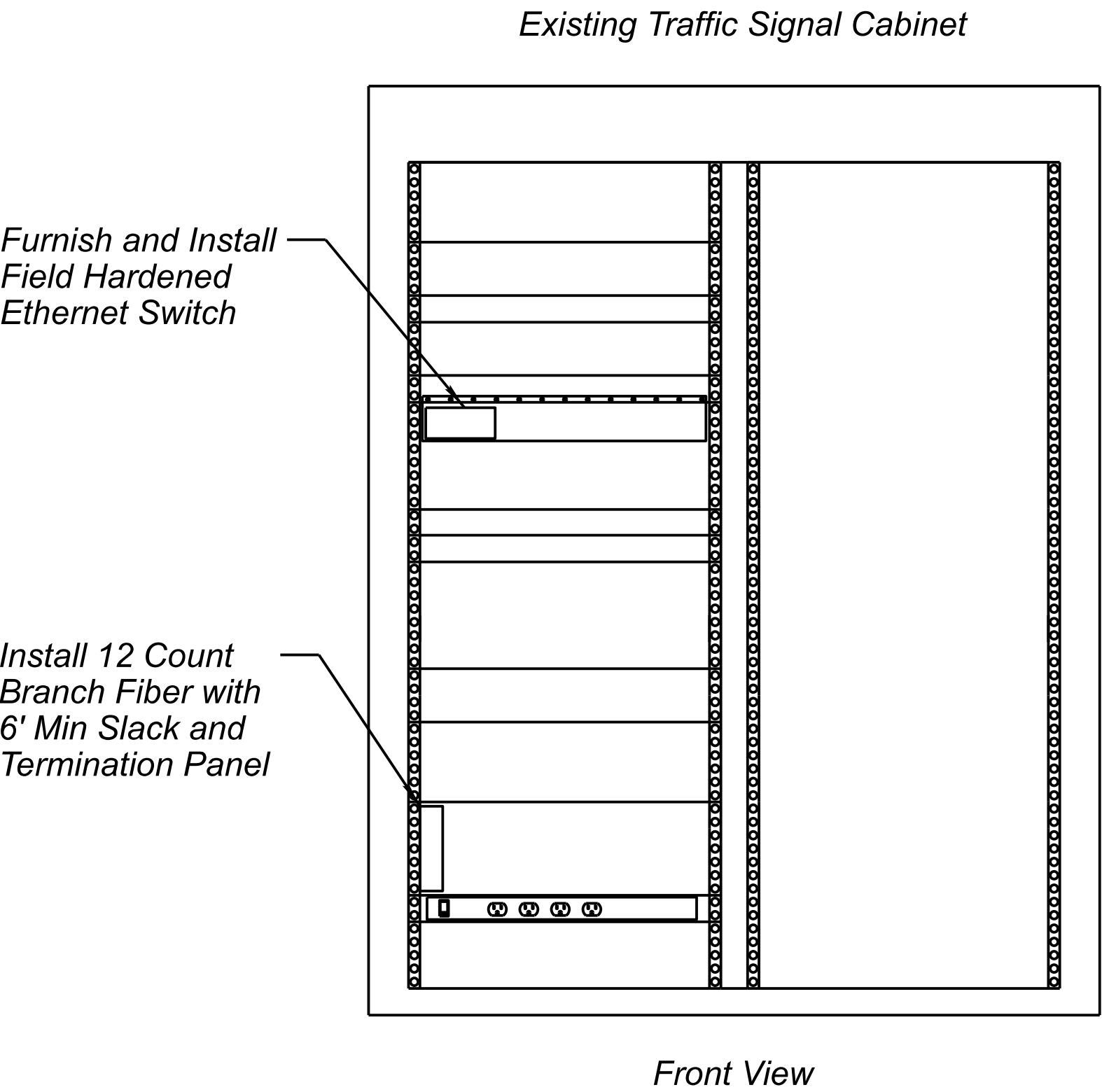
- Notes:
1. Conduit deflection shall not exceed 1 inch per foot in the horizontal direction.
 2. Conduit shall be routed no closer than 2 feet to any obstruction.



- Notes:
4. When drilling under roadways, backfill shall be bentonite slurry or other approved materials.
 5. PVC conduit installation shall meet all of the dimensional requirements shown in this detail.
 6. Lateral offset to unprotected drill pit shall comply with ADOT Std. Dwg. FM-3.17 "CLEAR ZONE, UNPROTECTED EQUIPMENT".

DETAIL G

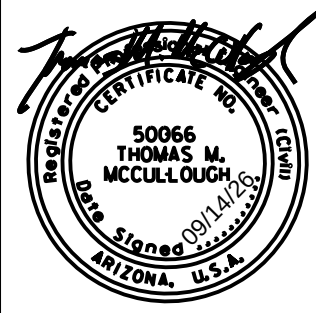
VERTICAL ROUTING OF CONDUIT
UNDER AN OBSTRUCTION
ELEVATION & PLAN VIEW
N.T.S



- Notes:
1. Existing traffic signal equipment located in cabinet shall be protected in place and remain operational.

DETAIL H

TRAFFIC SIGNAL CABINET
ELEVATION VIEW
N.T.S

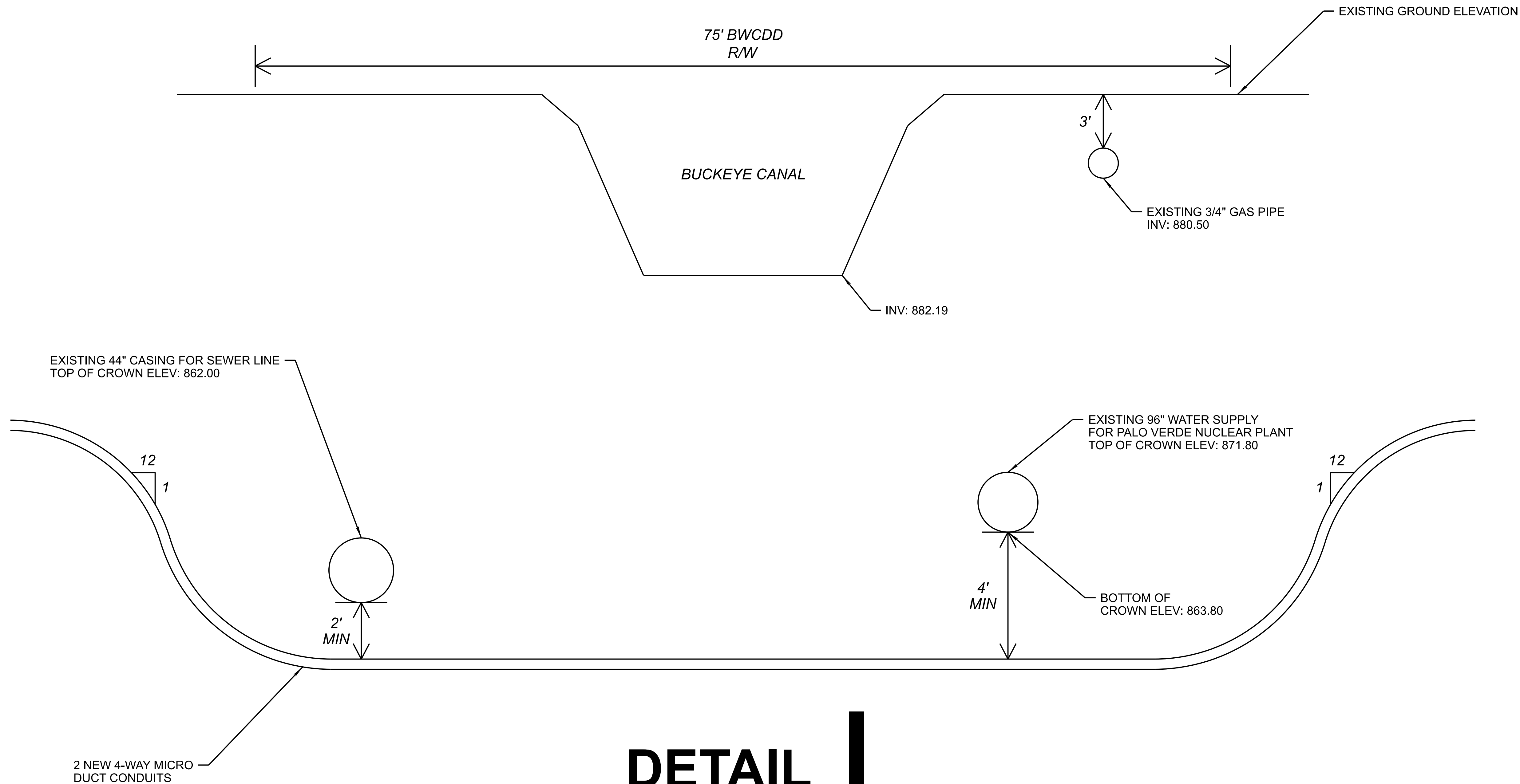


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DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

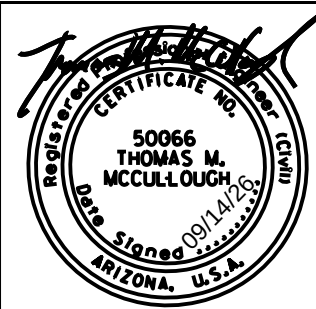
Kimley»Horn
2025 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	CITY OF BUCKEYE STANDARD DETAILS
--	-------------------------------------

ROUTE -	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	T0630	BKY-0(216)T	10	48	
	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-02.05
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___



DETAIL I
BWCCD CROSSING
ELEVATION DETAIL
N.T.S



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

Kimley»Horn
2026 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE -
CITY OF BUCKEYE BWCCD CROSSING	MILEPOST
	STRUCTURE NO.

ROUTE -	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	T0630	BKY-0(216)T	12	48	
	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-02.07
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

GDACS CONTROL POINTS

Point	Ground (E)	Ground (N)	Elevation	Township (T)	Range (R)	Section (SEC)	Road CL	Description
3035101	488919.683	862967.765	876.287	T1S	R4W	SEC 1	Miller Rd	FD 3" AZ HIGHWAY DPT BC IN HH 0.8' DN STAMPED "874.25 1 6 STA 7401+43.83 1957"
3041021	494182.026	860345.560	853.975	T1S	R3W	SEC 7	Miller Rd	FD 7/8" ROUND IRON METAL ROD IN HH 0.9 DN W/ NO ID NOTE-REFURBISHED MR W/2" MARICOPA COUNTY AL CAP STAMPED T1S R3W S6 S5 S7 S8 2003 RLS 36563
3041201	494187.611	862989.336	873.083	T1S	R3W	SEC 6	Miller Rd	FD 2 1/2" BC IN HH 0.15' DN
5061001	494194.943	870838.107	929.023	T1N	R3W	SEC 31	Miller Rd	FD 3" MARICOPA COUNTY HIGHWAY DEPT IN HH NOT STAMPED
5059401	494224.029	873456.412	948.839	T1N	R3W	SEC 30	Miller Rd	FD 3" MARICOPA COUNTY HIGHWAY DEPT BC IN HH NOT STAMPED
5064901	494231.576	865572.958	890.658	T1N	R3W	SEC 31	Miller Rd	FD 3" MCHD BC IN HH NOT STAMPED
5061423	494250.256	868202.031	908.690	T1N	R3W	SEC 32	Miller Rd	FD 1" 0.5' UP. SET 2" MARICOPA COUNTY AL CAP STAMPED "T1N R3W 1/4 S31 S32 2002 29891' ON EXISTING IP
5059001	494253.303	876086.130	973.450	T1N	R3W	SEC 32	Miller Rd	FD 3" MARICOPA COUNTY BC IN HH NOT STAMPED
5057401	494272.245	878716.363	1000.509	T1N	R3W	SEC 32	Miller Rd	FD 2 1/2" BC W/O ID FL STAMPED "1/4"
5057001	494290.767	881346.614	1025.501	T1N	R3W	SEC 19	Miller Rd	FD 2" BC IN HH W/O ID NOT STAMPED
5055401	494302.552	883973.568	1056.829	T1N	R3W	SEC 18	Miller Rd	FD MCHD BC IN HH NOT STAMPED
5055021	494314.655	886599.940	1093.047	T1N	R3W	SEC 18	Miller Rd	FD 3/4" IP 0.3' DN. SET 2" MARICOPA COUNTY AL CAP STAMPED "T1N R3W S7 S8 S17 S18 2002 29891" ON EXISTING IP
506649	494389.879	865572.087	X	T1S	R3W	SEC 6	Monroe Ave	CALCULATED CLOSING CORNER POSITION
3041321	499501.382	862955.664	863.584	T1S	R3W	SEC 5	Monroe Ave	FD 1/2" RB W/O ID 0.3' DN NOTE-REFURBISHED RB W/3" MARICOPA COUNTY BC STAMPED T1S T3W ¹ / ₄ S5 S4 2003 RLS 36563. NOTE: FITS A.P.S. TIE'S
5065091	499674.431	865541.274	886.152	T1S	R3W	SEC 5	Monroe Ave	SET 1/2" ROUND SSTL METAL ROD 0.8' DN W/3" MARICOPA COUNTY BC STAMPED "T1N R3W S5 S4 T1S R3W CC 2003 29891"

GENERAL NOTES

The following parameters were set for the basis of this survey:
System: United States State Plane 1983
Zone: Central
Datum: North American 1983 (CONUS) modified 1992
Units = International Feet
(1 Feet = 0.3048 Meters exactly)
All coordinates were obtained utilizing a grid plane projection.

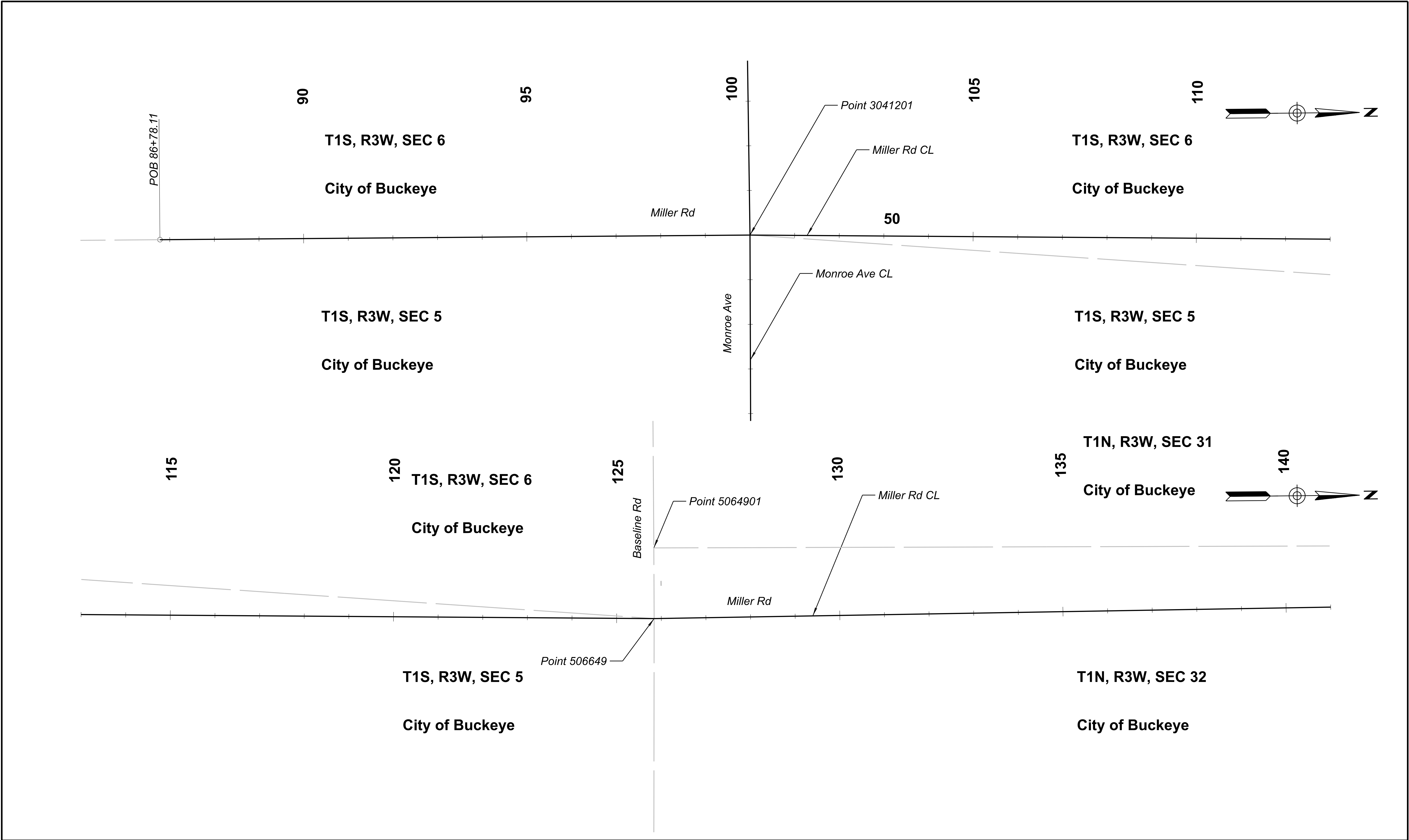


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CHECKED	JM		09/26

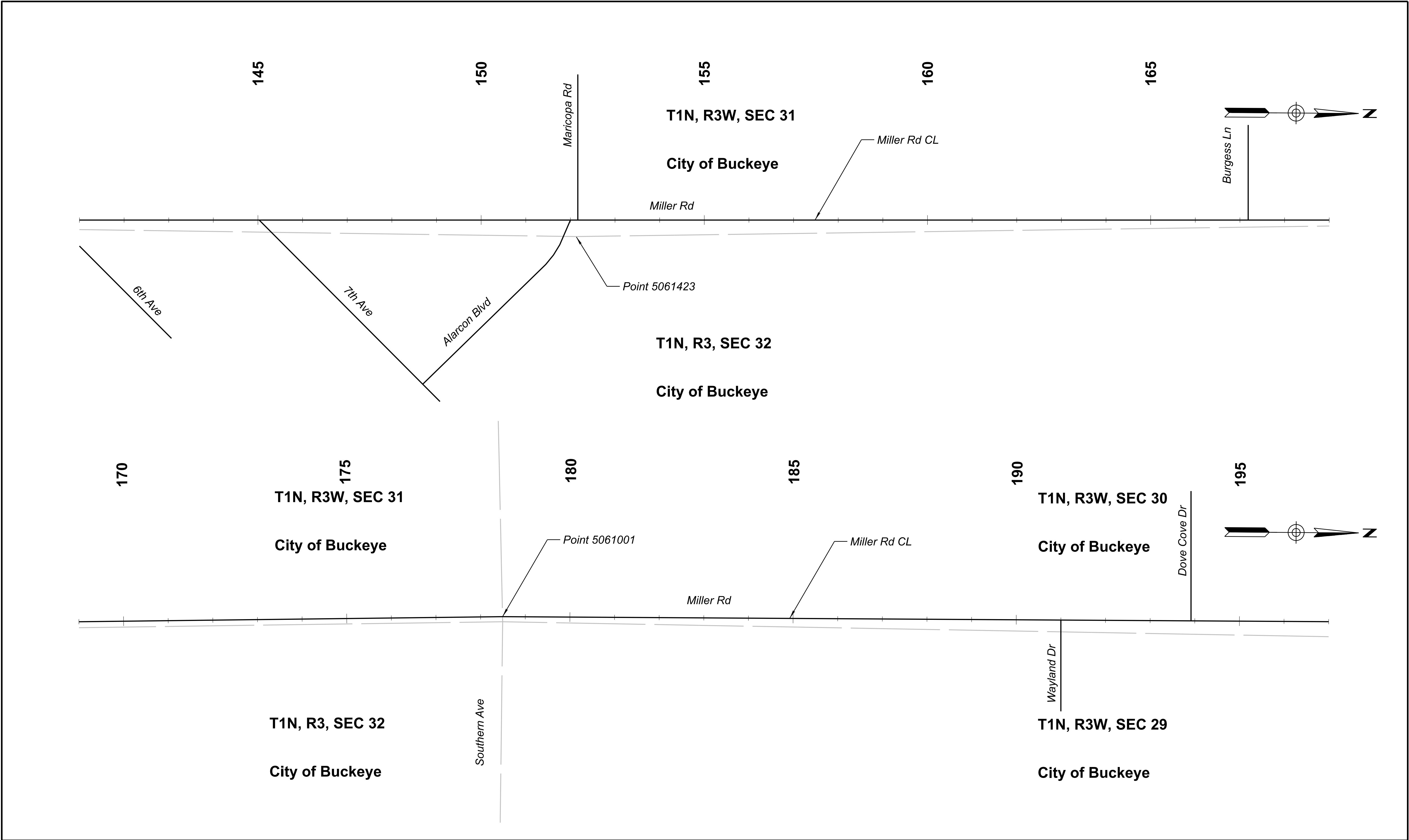
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2006 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE -
CONTROL POINT PLAN	MILEPOST
	STRUCTURE NO.

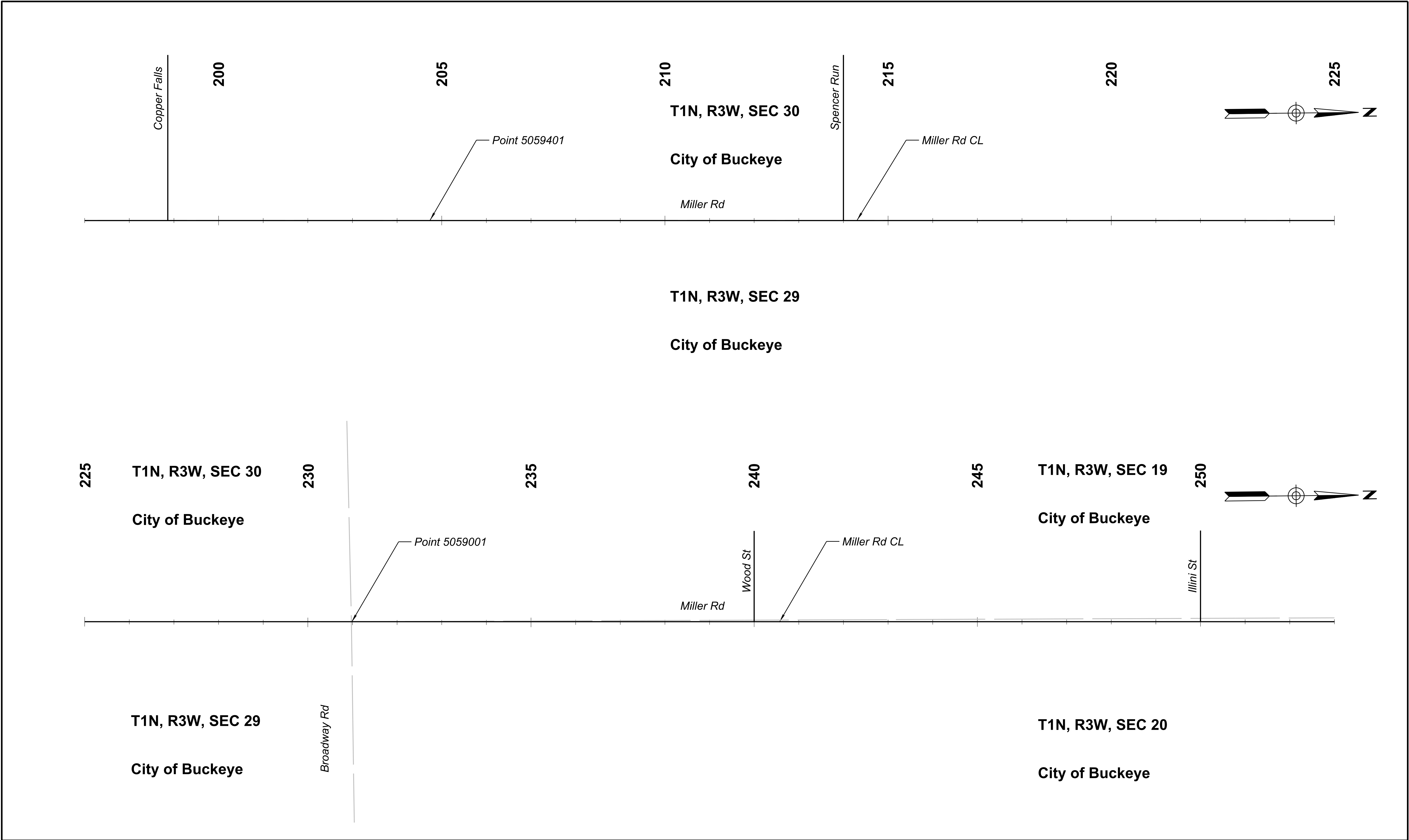
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STRUCTURE NO.	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-03.01
	TRACS NO. T0630 01C						____ OF ____



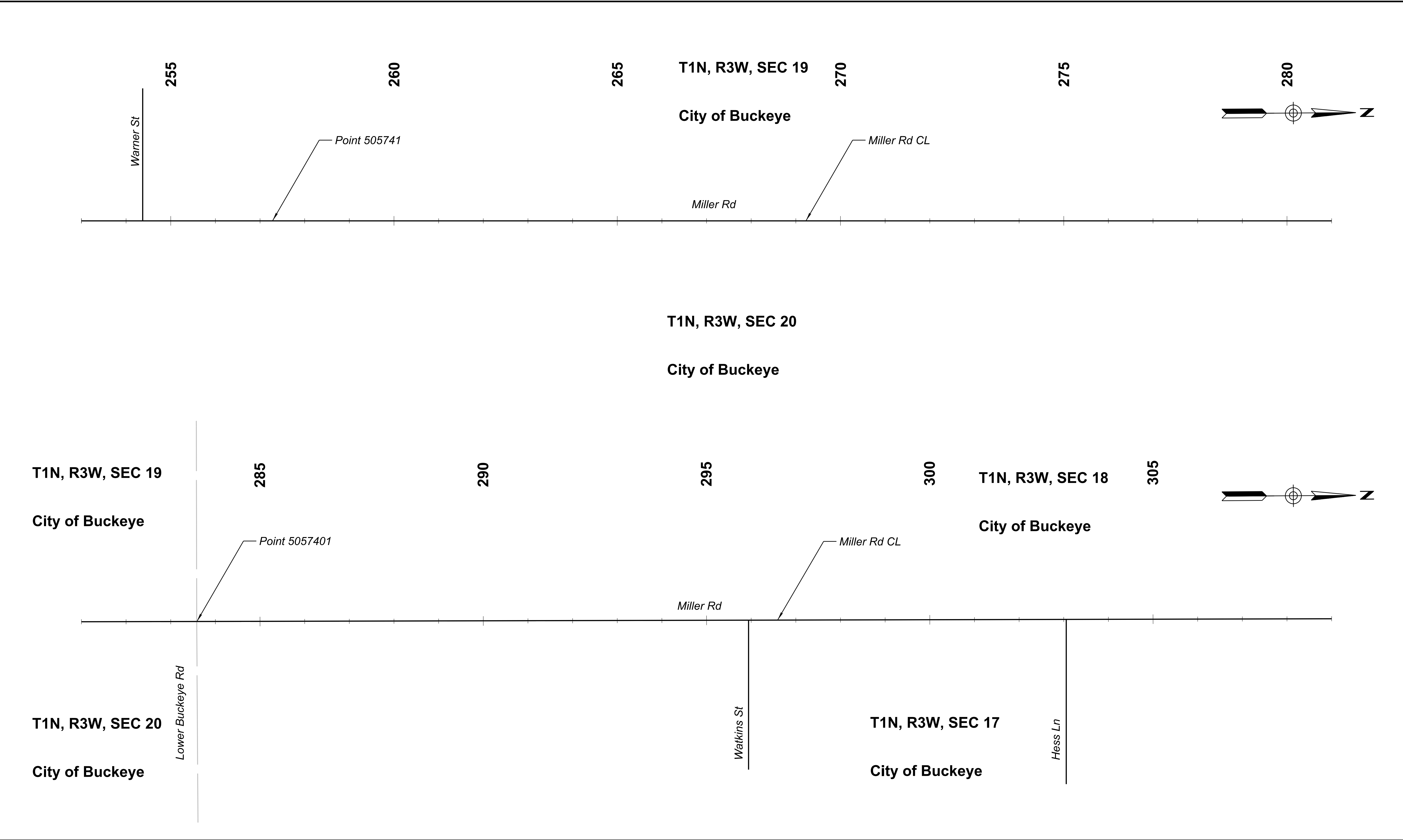
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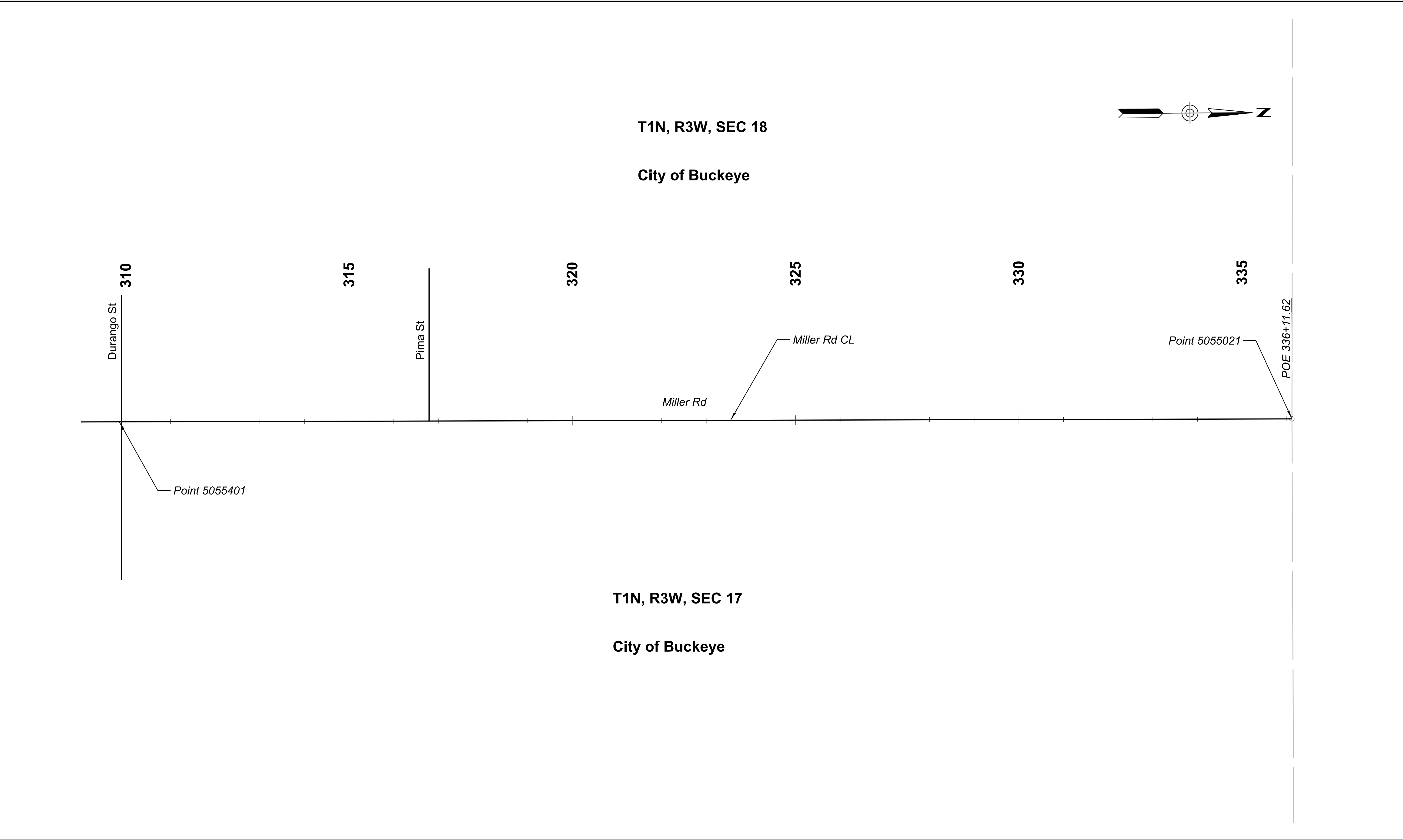
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	MILLER RD CONTROL POINT PLAN				TRACS NO. T0630 01C				___ OF ___			



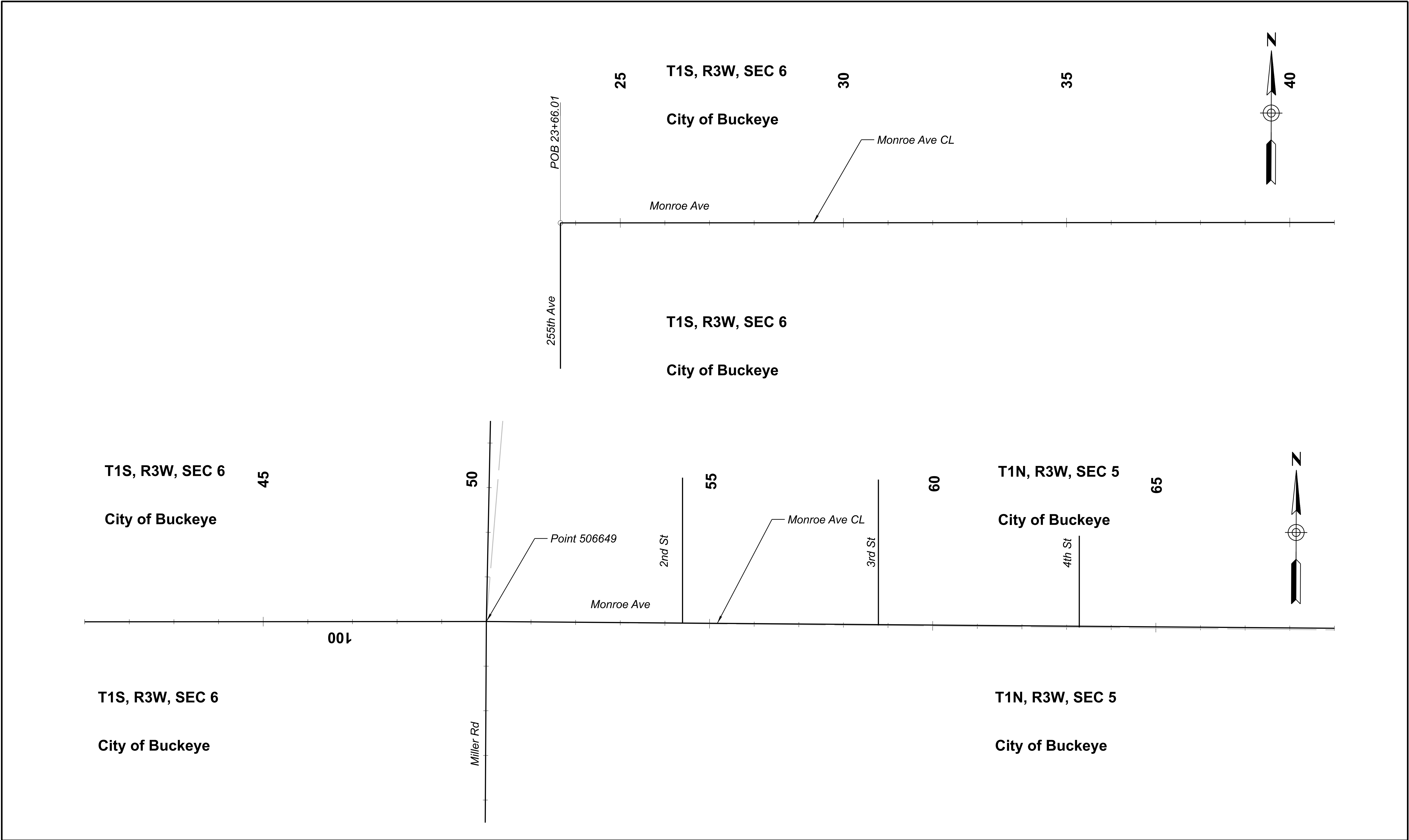
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	CHECKED	JM	09/26	Kimley»Horn © 2026 KIMLEY-HORN AND ASSOCIATES, INC.	MILLER RD CONTROL POINT PLAN	STRUCTURE NO.	TRACS NO. T0630 01C		OF				



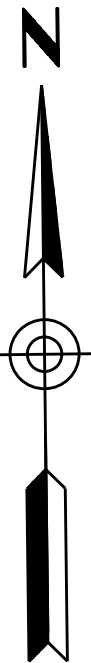
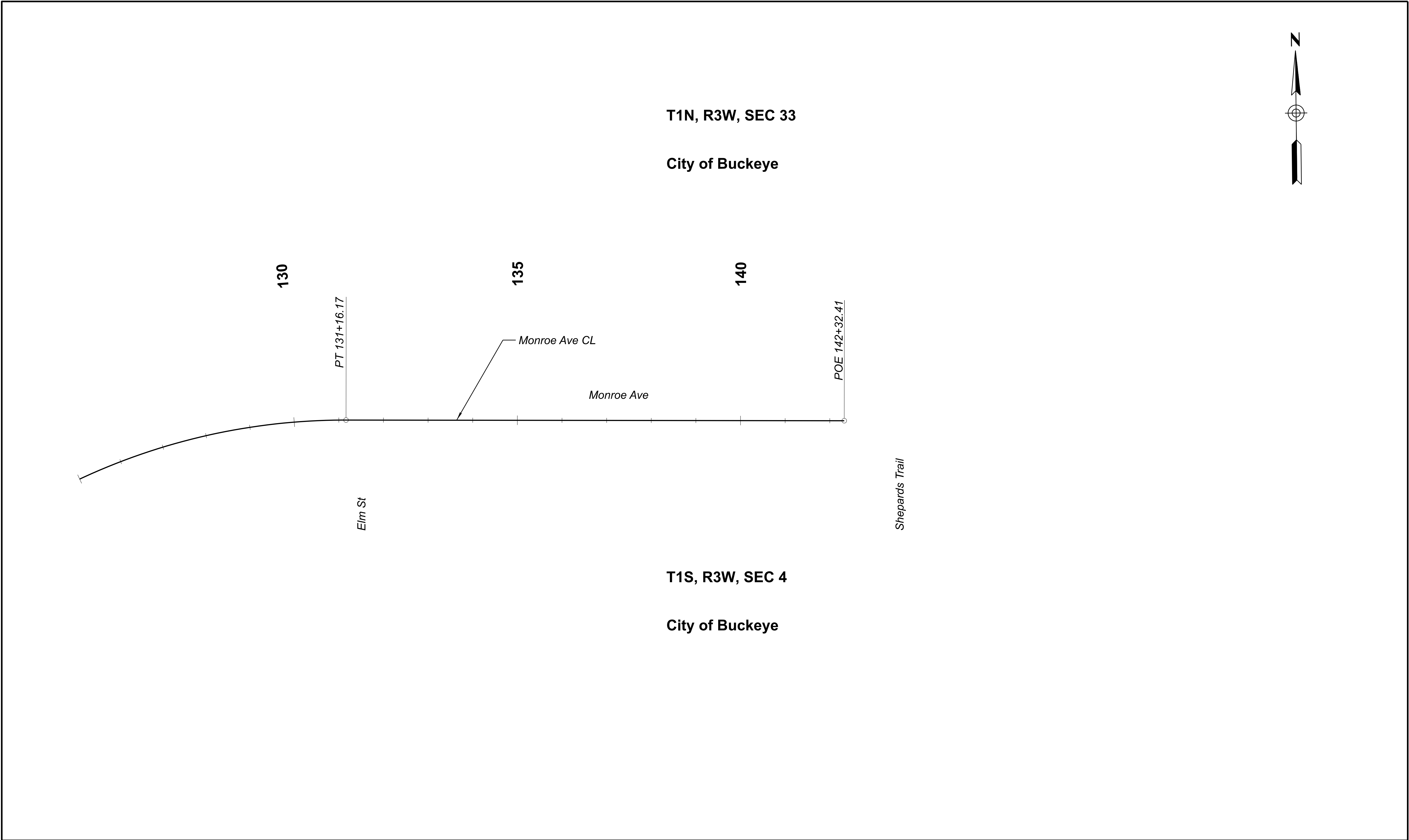
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								TRACS NO. T0630 01C				___ OF ___	



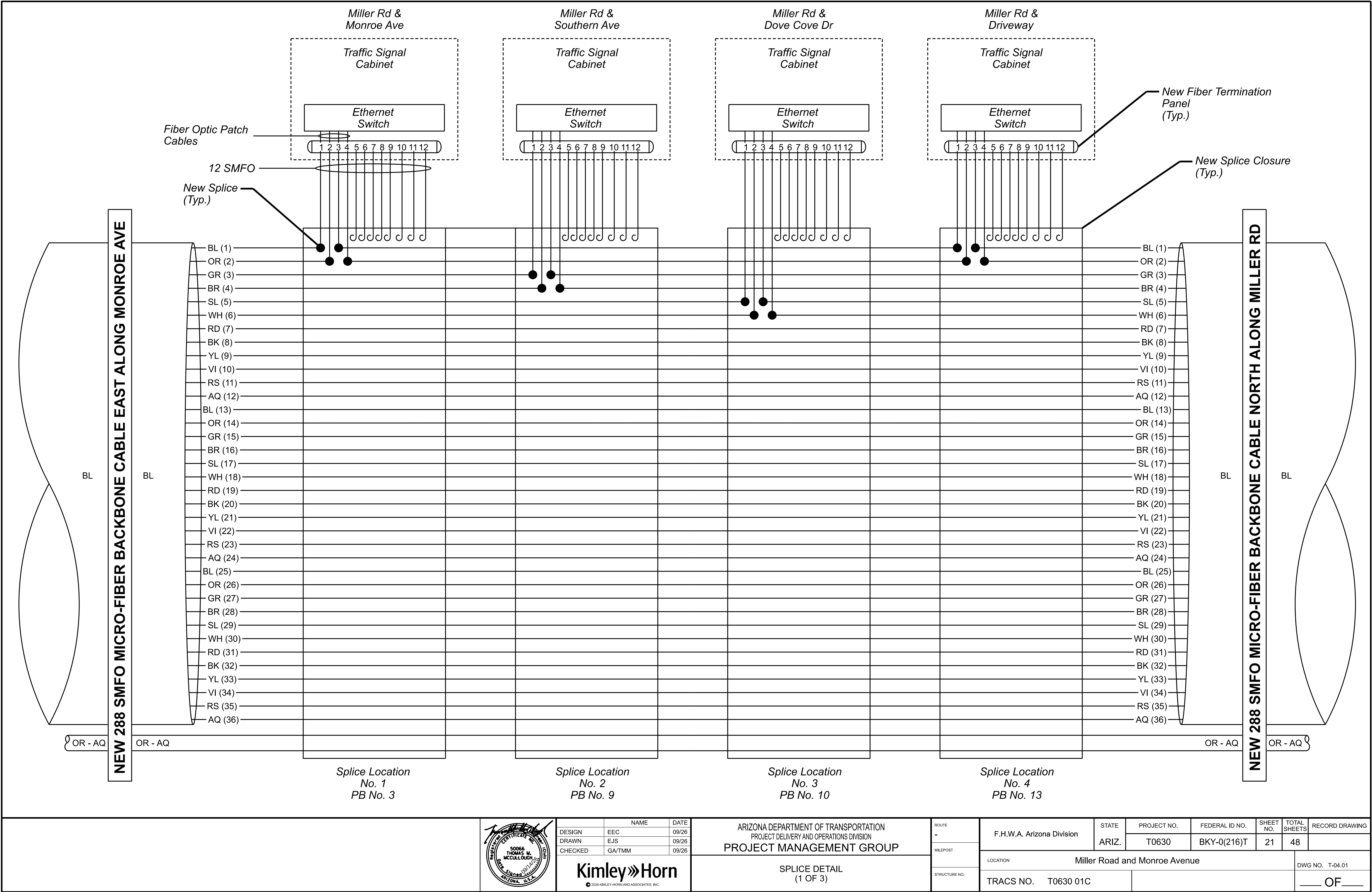
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							TRACS NO. T0630 01C					___ OF ___	



	NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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	DRAWN	KW	09/26									
	CHECKED	JM	09/26		MILEPOST	LOCATION Miller Road and Monroe Avenue						
 © 2006 KIMLEY-HORN AND ASSOCIATES, INC.	MONROE AVE CONTROL POINT PLAN			STRUCTURE NO.	TRACS NO. T0630 01C				DWG NO. -T-03.07 ____ OF ____			



	DESIGN	KW	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	-	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	20	TOTAL SHEETS	48	RECORD DRAWING
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	CHECKED	JM	09/26		STRUCTURE NO.			TRACS NO.	T0630 01C		_____ OF _____							
					MONROE AVE CONTROL POINT PLAN													



DESIGN

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09/26

DRAWN

EJS

09/26

CHECKED

GA/TMM

09/26

50066

THOMAS M. MCCULLOUGH

REGISTERED PROFESSIONAL ENGINEER

NO. 50066

STATE OF ARIZONA

Kimley»Horn

2026 KIMLEY-HORN AND ASSOCIATES, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION

PROJECT DELIVERY AND OPERATIONS DIVISION

PROJECT MANAGEMENT GROUP

ROUTE

-

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

T0630

FEDERAL ID NO.

BKY-0(216)T

SHEET NO.

21

TOTAL SHEETS

48

RECORD DRAWING

LOCATION

Miller Road and Monroe Avenue

DWG NO.

T-04.01

TRACS NO.

T0630 01C

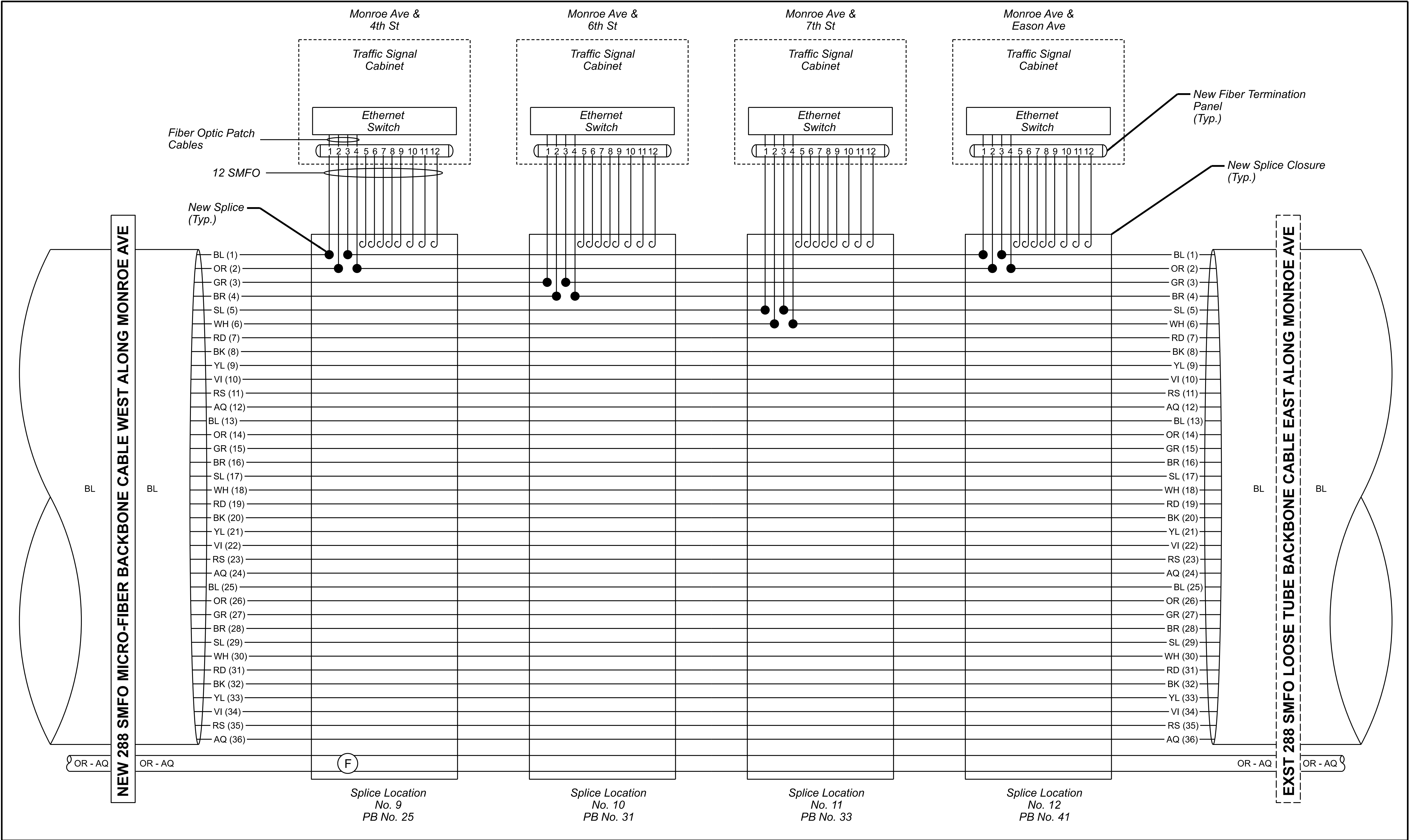
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		Kimley»Horn © 2026 KIMLEY-HORN AND ASSOCIATES, INC.	<table><tr><td>DESIGN</td><td>EEC</td><td>09/26</td></tr><tr><td>DRAWN</td><td>EJS</td><td>09/26</td></tr><tr><td>CHECKED</td><td>GA/TMM</td><td>09/26</td></tr></table>	DESIGN	EEC	09/26	DRAWN	EJS	09/26	CHECKED	GA/TMM	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	<table><tr><td>ROUTE</td><td rowspan="2">F.H.W.A. Arizona Division</td><td rowspan="2">STATE ARIZ.</td><td>PROJECT NO.</td><td>T0630</td><td>FEDERAL ID NO.</td><td>BKY-0(216)T</td><td>SHEET NO.</td><td>23</td><td>TOTAL SHEETS</td><td>48</td><td>RECORD DRAWING</td></tr><tr><td>MILEPOST</td><td colspan="8">LOCATION Miller Road and Monroe Avenue</td><td>DWG NO.</td><td>T-04.03</td></tr><tr><td>STRUCTURE NO.</td><td colspan="2">TRACS NO.</td><td colspan="2">T0630 01C</td><td colspan="6">____ OF ____</td></tr></table>	ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	23	TOTAL SHEETS	48	RECORD DRAWING	MILEPOST	LOCATION Miller Road and Monroe Avenue								DWG NO.	T-04.03	STRUCTURE NO.	TRACS NO.		T0630 01C		____ OF ____					
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ROUTE	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	23	TOTAL SHEETS	48	RECORD DRAWING																																					
MILEPOST			LOCATION Miller Road and Monroe Avenue								DWG NO.	T-04.03																																				
STRUCTURE NO.	TRACS NO.		T0630 01C		____ OF ____																																											
SPLICE DETAIL (3 OF 3)																																																

COB PULL BOX SCHEDULE					
Pull Box Number	Size	Station (Miller Rd)	Offset	GPS Latitude	GPS Longitude
PB NO. 1	Exst No. 7	Sta 99+30	Off 30' RT		
PB NO. 2	Exst No. 9	Sta 99+40	Off 37' RT		
PB NO. 3	Exst No. 9	Sta 100+58	Off 36' RT		
PB NO. 4	Exst No. 9	Sta 112+30	Off 36' RT		
PB NO. 5	New No. 8	Sta 112+30	Off 20' LT		
PB NO. 6	New No. 9	Sta 127+83	Off 73' LT		
PB NO. 7	New No. 9	Sta 152+82	Off 54' LT		
PB NO. 8	Exst No. 7	Sta 177+09	Off 80' LT		
PB NO. 9	Exst No. 9	Sta 179+49	Off 76' LT		
PB NO. 10	Exst No. 9	Sta 199+58	Off 78' LT		
PB NO. 11	New No. 8	Sta 214+35	Off 80' LT		
PB NO. 12	Exst No. 9	Sta 221+10	Off 24' LT		
PB NO. 13	Exst No. 9	Sta 232+03	Off 75' LT		
PB NO. 14	New No. 9	Sta 255+03	Off 31' LT		
PB NO. 15	New No. 9	Sta 267+96	Off 35' LT		
PB NO. 16	Exst No. 7	Sta 283+25	Off 97' LT		
PB NO. 17	Exst No. 9	Sta 284+96	Off 116' LT		
PB NO. 18	Exst No. 9	Sta 285+09	Off 105' RT		
PB NO. 19	Exst No. 9	Sta 310+61	Off 95' RT		
PB NO. 20	Exst No. 9	Sta 310+75	Off 85' RT		
PB NO. 21	Exst No. 9	Sta 317+35	Off 88' RT		
PB NO. 22	New No. 8	Sta 54+76	Off 40' LT		
PB NO. 23	New No. 8	Sta 59+17	Off 41' LT		
PB NO. 24	New No. 8	Sta 62+42	Off 26' LT		
COB PULL BOX SCHEDULE					
Pull Box Number	Size	Station (Monroe Ave)	Offset	GPS Latitude	GPS Longitude
PB NO. 25	Exst No. 9	Sta 62+69	Off 37' RT		
PB NO. 26	Exst No. 7	Sta 62+88	Off 48' LT		
PB NO. 27	Exst No. 7	Sta 63+66	Off 54' LT		
PB NO. 28	Exst Utility Vault	Sta 66+26	Off 12' RT		
PB NO. 29	Exst Utility Vault	Sta 70+16	Off 12' RT		
PB NO. 30	Exst No. 7	Sta 71+74	Off 46' RT		
PB NO. 31	Exst No. 9	Sta 74+22	Off 36' RT		
PB NO. 32	Exst Utility Vault	Sta 74+22	Off 12' RT		
PB NO. 33	Exst No. 7	Sta 76+21	Off 55' RT		

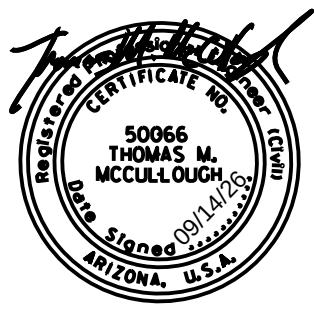
* GPS Coordinates Intentionally Left Blank. The Contractor Shall As-built The GPS Coordinates Of All Pull Boxes New And Existing.

PB NO. 34	Exst Utility Vault	Sta 77+69	Off 8' RT		
PB NO. 35	Exst Utility Vault	Sta 81+66	Off 10' RT		
PB NO. 36	Exst Utility Vault	Sta 84+84	Off 11' RT		
PB NO. 37	Exst Utility Vault	Sta 87+77	Off 8' RT		
PB NO. 38	Exst Utility Vault	Sta 90+86	Off 17' RT		
PB NO. 39	Exst Utility Vault	Sta 92+79	Off 43' RT		
PB NO. 40	New No. 8	Sta 99+91	Off 35' RT		
PB NO. 41	Exst No. 9	Sta 106+30	Off 53' RT		
PB NO. 42	Exst No. 7	Sta 106+41	Off 46' RT		

* GPS Coordinates Intentionally Left Blank. The Contractor Shall As-built The GPS Coordinates Of All Pull Boxes New And Existing.

12 SMFO BRANCH FIBER CABLE SCHEDULE					
Corner Detail #	Fiber Splice Location #	Pull Box Number	Cabinet Location	12 SMFO Cable Length	Comments
NO. 1	NO. 1	PB NO. 3	Miller Rd & Monroe Ave	135 Feet	
NO. 2	NO. 2	PB NO. 9	Miller Rd & Southern Ave	40 Feet	
NO. 3	NO. 3	PB NO. 10	Miller Rd & Dove Cove Dr	55 Feet	
NO. 4	NO. 4	PB NO. 12	Miller Rd & Driveway	20 Feet	
NO. 5	NO. 5	PB NO. 16	Miller Rd & Broadway Rd	25 Feet	
NO. 6	NO. 6	PB NO. 21	Miller Rd & Lower Buckeye Rd	20 Feet	
NO. 7	NO. 7	PB NO. 23	Miller Rd & Durango St	20 Feet	
NO. 8	NO. 8	PB NO. 24	Miller Rd & Pima St	Existing	Modify Existing Splice Closure
NO. 9	NO. 9	PB NO. 28	Monroe Ave & 4th St	175 Feet	
NO. 10	NO. 10	PB NO. 33	Monroe Ave & 6th St	255 Feet	
NO. 11	NO. 11	PB NO. 36	Monroe Ave & 7th St	215 Feet	
NO. 12	NO. 12	PB NO. 44	Monroe Ave & Eason Ave	20 Feet	

* Lengths are approximate & dimensioned from center of signal cabinet to center of pull box. The Contractor shall verify.
* Fiber lengths do not include length of cable looped at both ends (within the respective cabinet and pull box) of the cable/patch-panel combination.

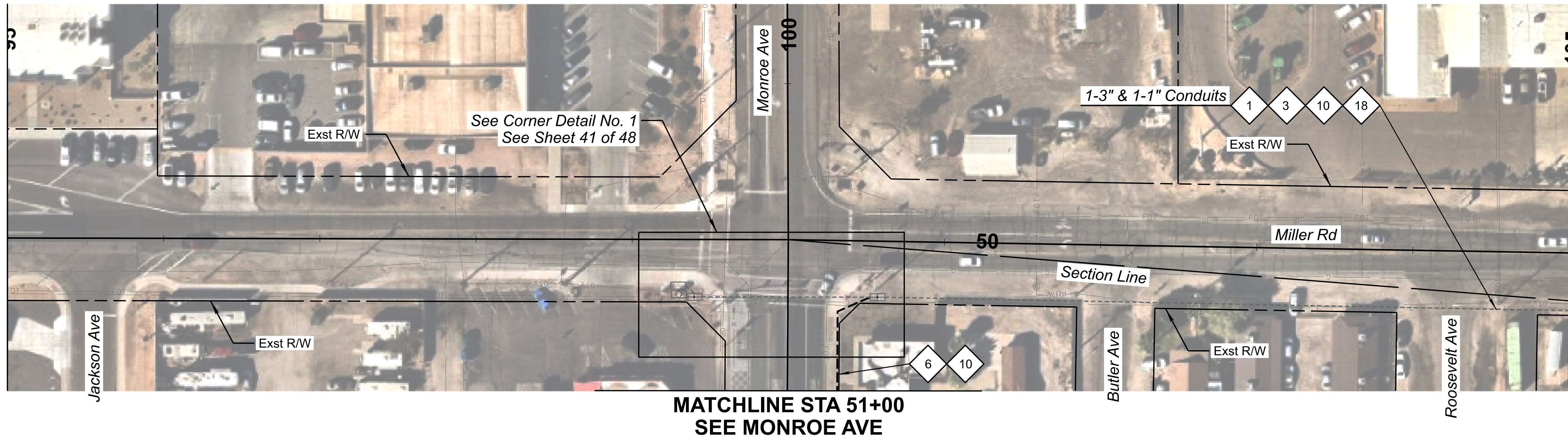


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CHECKED	GA/TMM		09/26

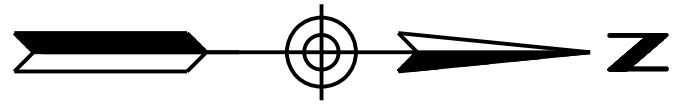
Kimley»Horn
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP		ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
PULL BOX & BRANCH FIBER SCHEDULE		MILEPOST			T0630	BKY-0(216)T	24	48	
		STRUCTURE NO.	LOCATION Miller Road and Monroe Avenue				DWG NO. -T-05.01		
		TRACS NO. T0630 01C		____ OF ____					

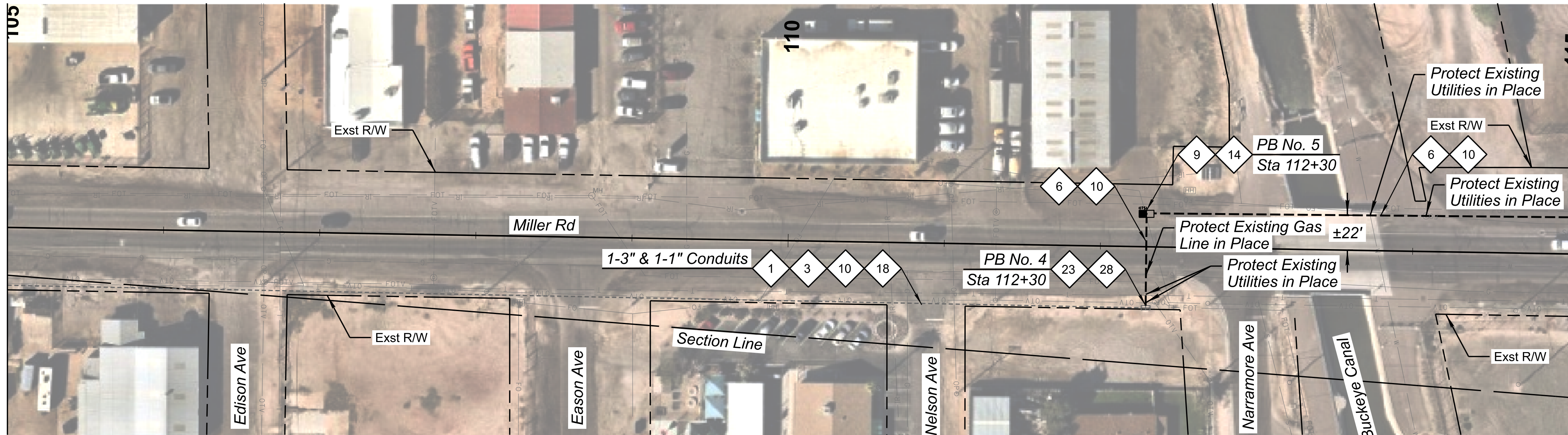
BEGIN PROJECT
CORRIDOR LIMITS
STA 95+00



MATCHLINE STA 105+00



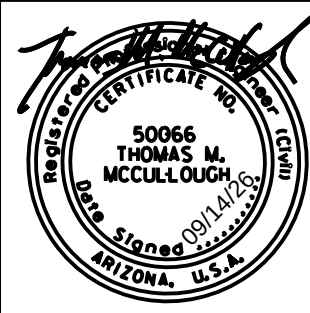
MATCHLINE STA 105+00



MATCHLINE STA 115+00

CONSTRUCTION NOTES:

- | | | | | | |
|---|---|----|--|----|--|
| 1 | Existing Conduit. Protect in Place. | 9 | Install New No. 8 Pull Box Per Detail F. | 18 | Route New Fiber Through Existing Conduit. |
| 3 | Existing Cables. Protect in Place. | 10 | Install New 288 SMFO Micro-Fiber Cable. | 23 | Existing ITS Utility Vault. Protect in Place. |
| 6 | Install Two New 7-Way Micro-Duct Conduits by Directional Drill. | 14 | Coil 25' of SMFO (288) Cable in No. 8 Pull Box | 28 | Coil 100' of SMFO (288) Cable in Existing ITS Utility Vault. |

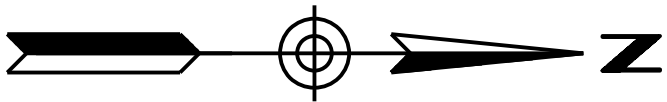
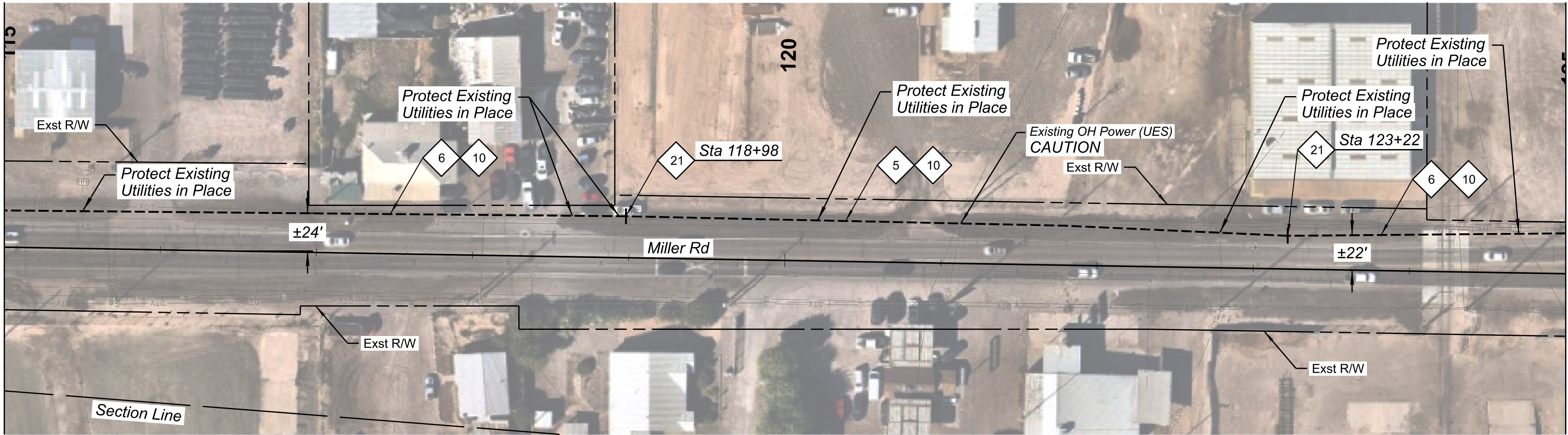


DESIGN	NAME	DATE
EEC		09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26
Kimley»Horn		
2025 KIMLEY-HORN AND ASSOCIATES, INC.		

ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	
Miller Rd ITS Installation Sta 95+00 to 115+00	

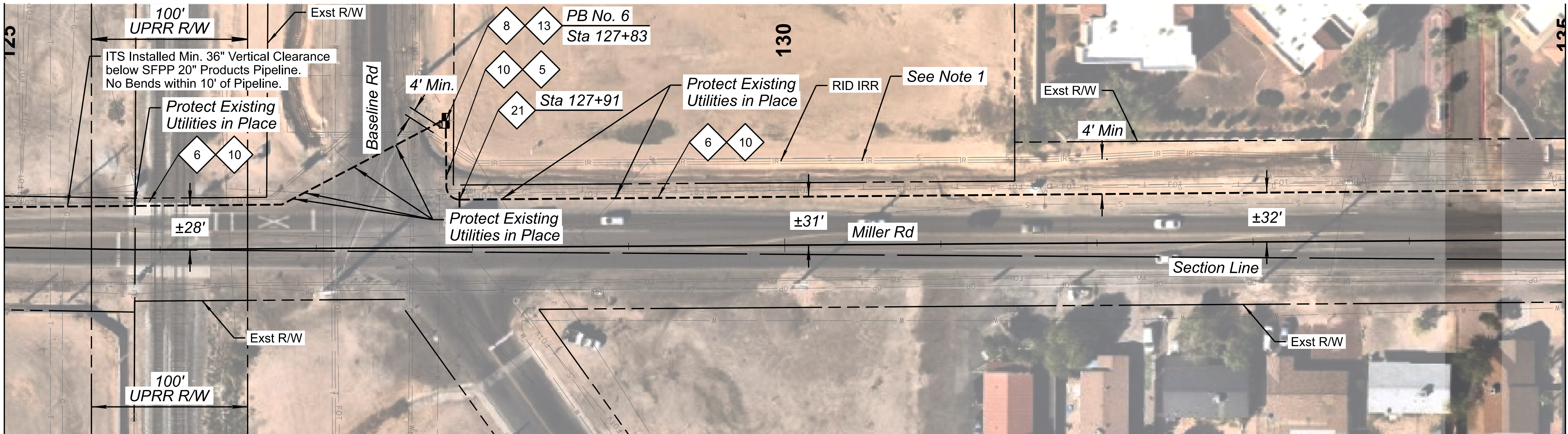
ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-		ARIZ.	T0630	BKY-0(216)T	25	48	
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.01
STRUCTURE NO.	TRACS NO. T0630 01C			___ OF ___			

MATCHLINE STA 115+00



MATCHLINE STA 125+00

MATCHLINE STA 125+00



MATCHLINE STA 135+00

CONSTRUCTION NOTES:

- 5

Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.
- 6

Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 8

Install New No. 9 Pull Box per Detail E.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 13

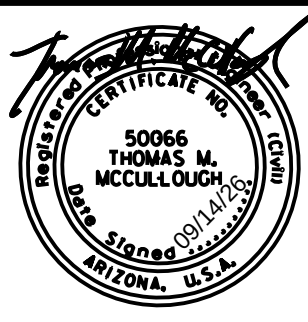
Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 21

7-Way Micro-Duct Coupler Location.

NOTES

1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect In Place At All Times. Crossing Of Rid Facilities By Utility Via Open Trench Must Be Done During The Annual Rid Dry-up Unless An Appropriate Trenchless Method Or Bypass Is Approved By RID Through RiID's Engineer. Contractor Shall Contact The District's Construction Observer At (602) 284-7017, A Minimum Of 14 Calendar Days Prior To Any Work In This Area. See Rid General And Grading Notes Sheet 4.

CAUTION
OVERHEAD POWER



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

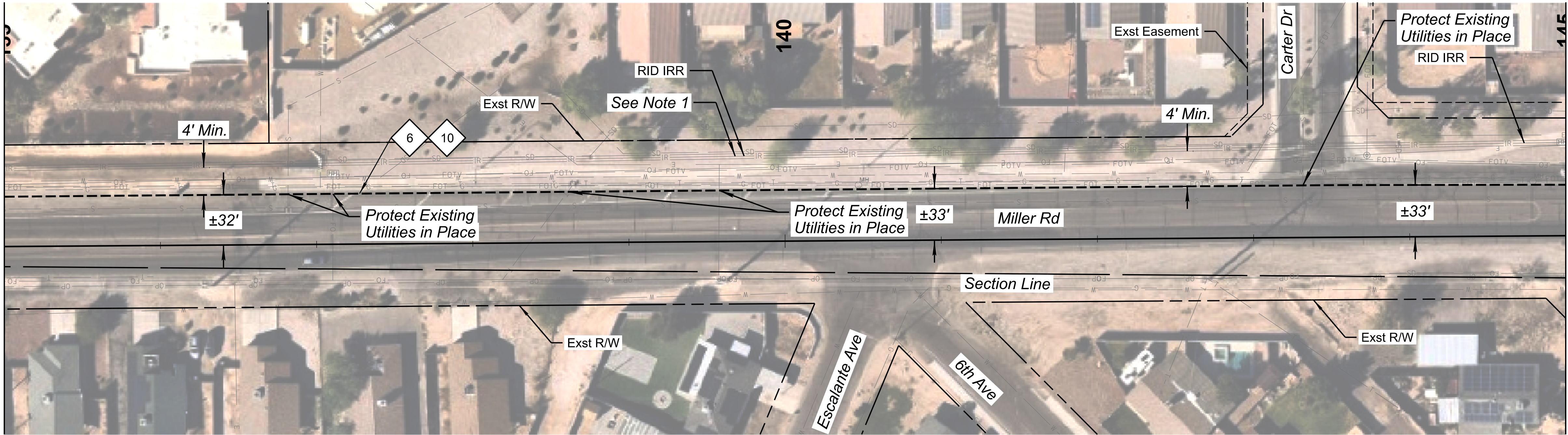
Kimley»Horn
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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

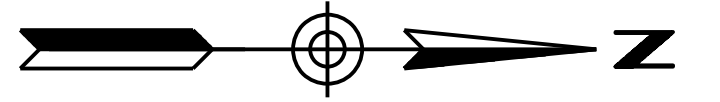
Miller Rd
ITS Installation
Sta 115+00 to 135+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-		ARIZ.	T0630	BKY-0(216)T	26	48	
LOCATION	Miller Road and Monroe Avenue						DWG NO. -T-06.02
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

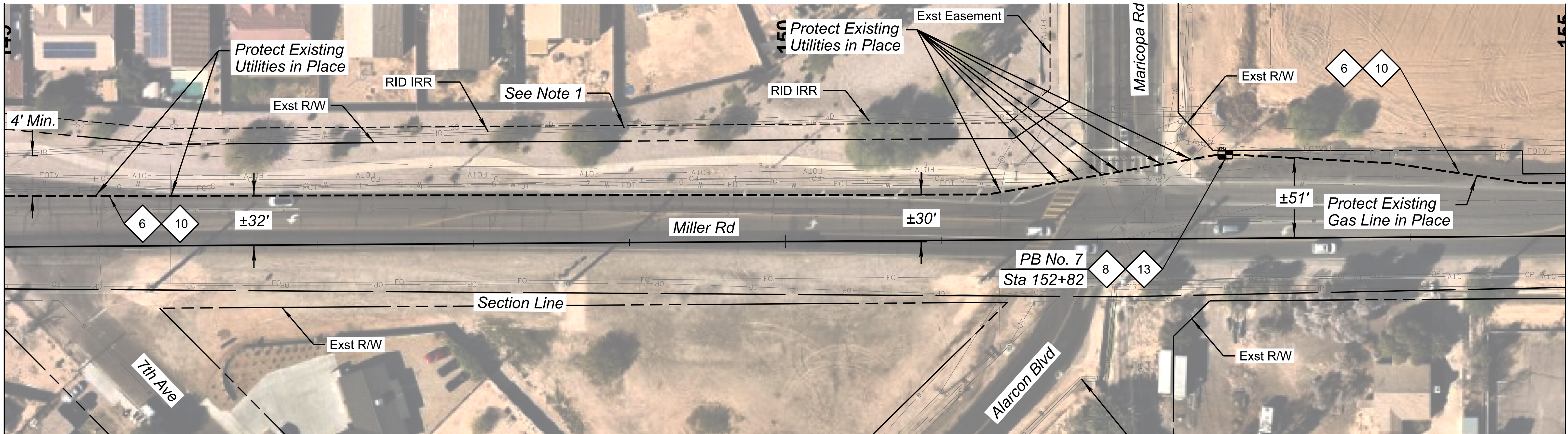
MATCHLINE STA 135+00



MATCHLINE STA 145+00



MATCHLINE STA 145+00



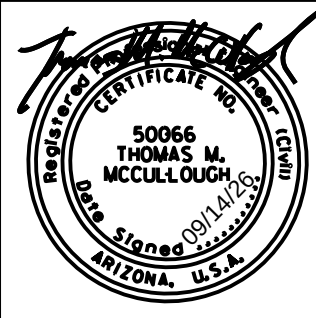
MATCHLINE STA 155+00

CONSTRUCTION NOTES:

- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 8 Install New No. 9 Pull Box per Detail E.
- 10 Install New 288 SMFO Micro-Fiber Cable.
- 13 Coil 100' of SMFO (288) Cable in No. 9 Pull Box.

NOTES

1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect In Place At All Times. Crossing Of Rid Facilities By Utility Via Open Trench Must Be Done During The Annual Rid Dry-up Unless An Appropriate Trenchless Method Or Bypass Is Approved By RID Through RiID's Engineer. Contractor Shall Contact The District's Construction Observer At (602) 284-7017, A Minimum Of 14 Calendar Days Prior To Any Work In This Area. See Rid General And Grading Notes Sheet 4.



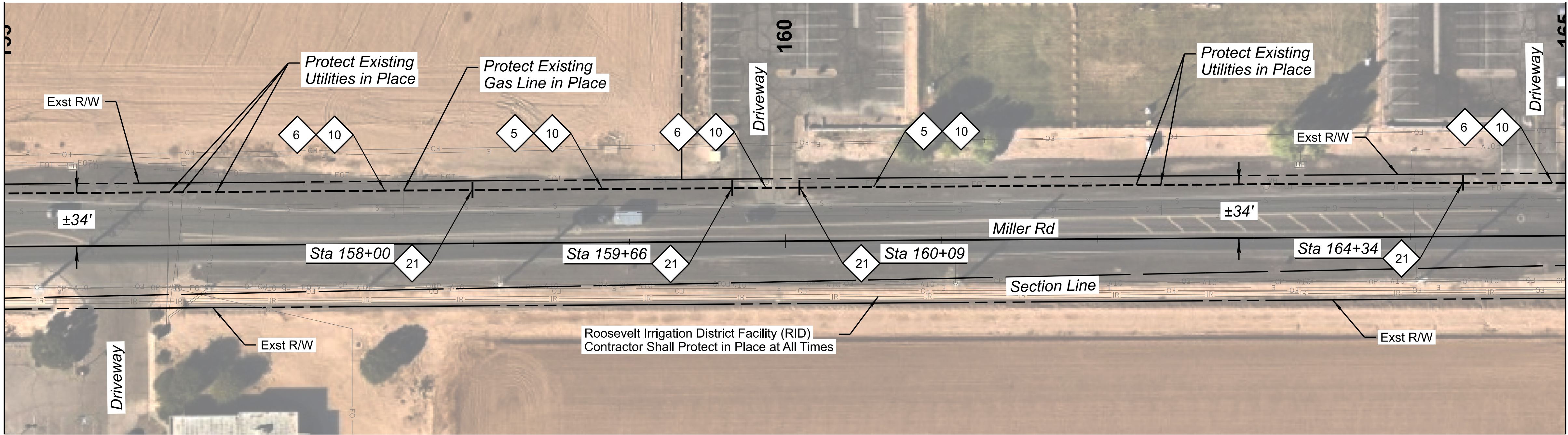
DESIGN	NAME	DATE
EEC		09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 135+00 to 155+00

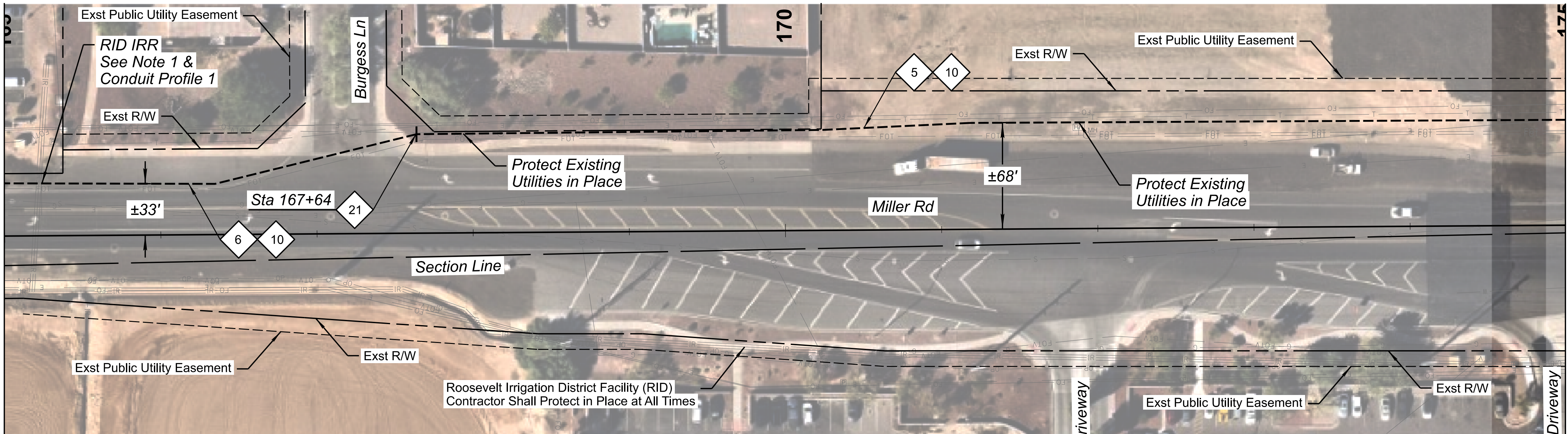
ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 27	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.03
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

MATCHLINE STA 155+00



MATCHLINE STA 165+00

MATCHLINE STA 165+00



MATCHLINE STA 175+00

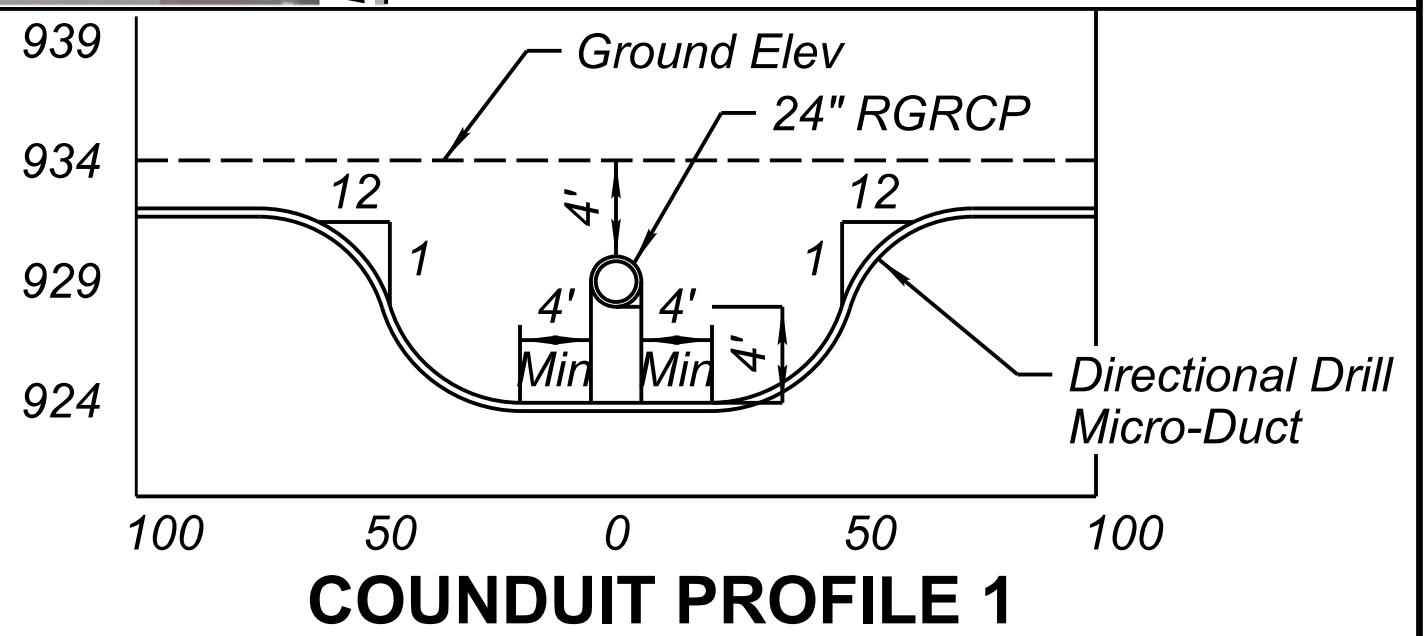
CONSTRUCTION NOTES:

- 5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.
- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10 Install New 288 SMFO Micro-Fiber Cable.

- 21 7-Way Micro-Duct Coupler Location.

NOTES

1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect in Place at All Times. Crossing of RID Facilities by Utility via Open Trench Must Be Done During the Annual RID Dry-Up Unless an Appropriate Trenchless Method or Bypass is Approved by RID Through RID's Engineer. Contractor Shall Contact the District's Construction Observer at (602)284-7017, A Minimum of 14 Calendar Days Prior to Any Work in This Area. See RID General and Grading Notes Sheet 4.



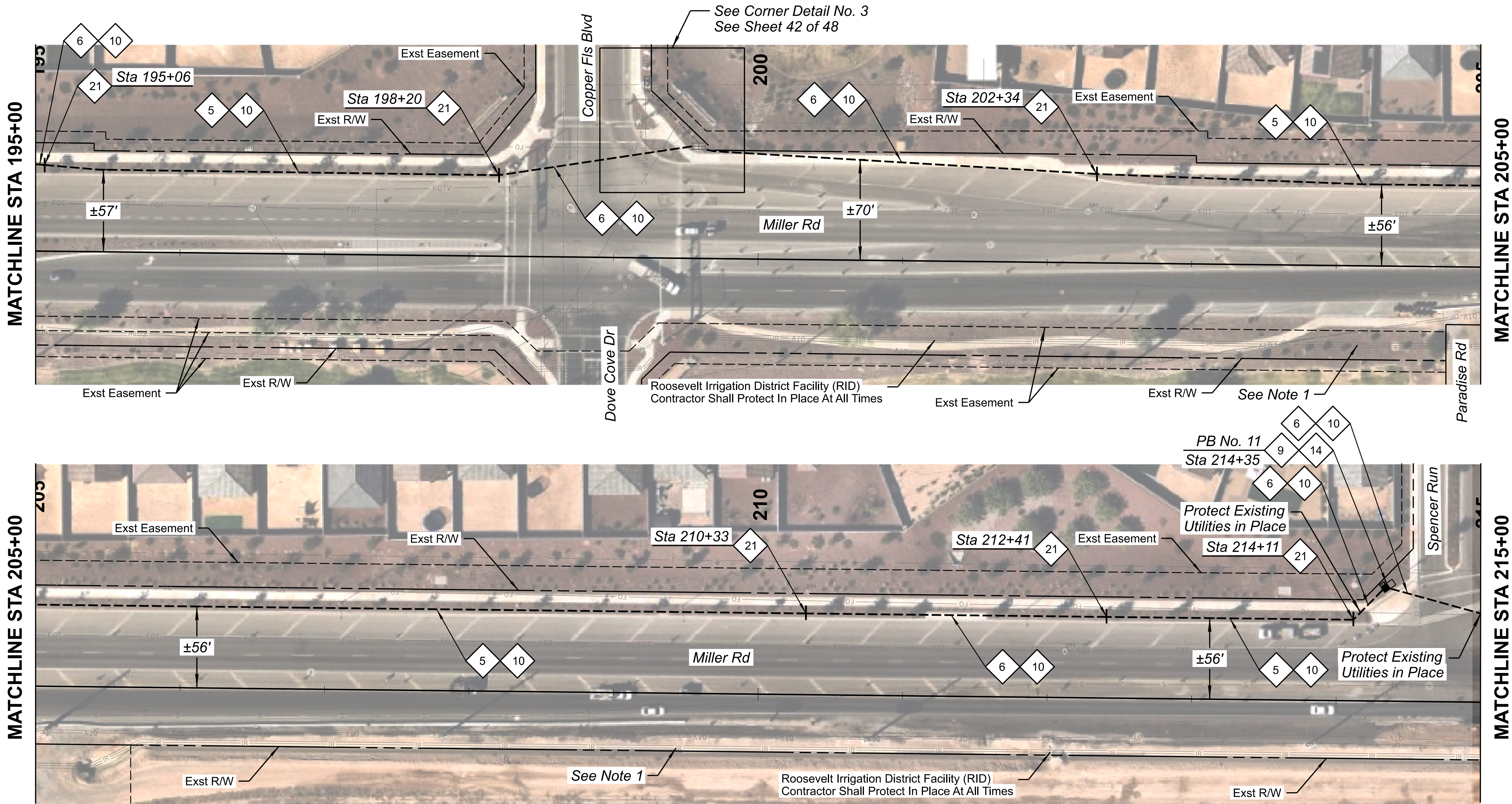
DESIGN EEC 09/26
DRAWN EJS 09/26
CHECKED GA/TMM 09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

Miller Rd
ITS Installation
Sta 155+00 to 175+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	T0630	BKY-0(216)T	28	48		
STRUCTURE NO.	LOCATION	Miller Road and Monroe Avenue					DWG NO. -T-06.04
	TRACS NO.	T0630 01C					OF

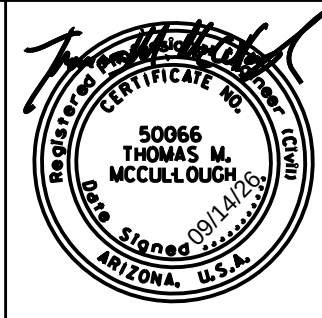


CONSTRUCTION NOTES:

- 5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.
- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 9 Install New No. 8 Pull Box Per Detail F.
- 10 Install New 288 SMFO Micro-Fiber Cable.
- 14 Coil 25' of SMFO (288) Cable in No. 8 Pull Box
- 21 7-Way Micro-Duct Coupler Location.

NOTES

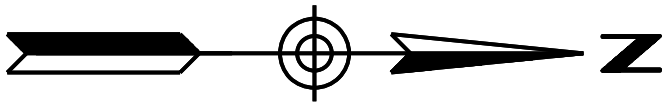
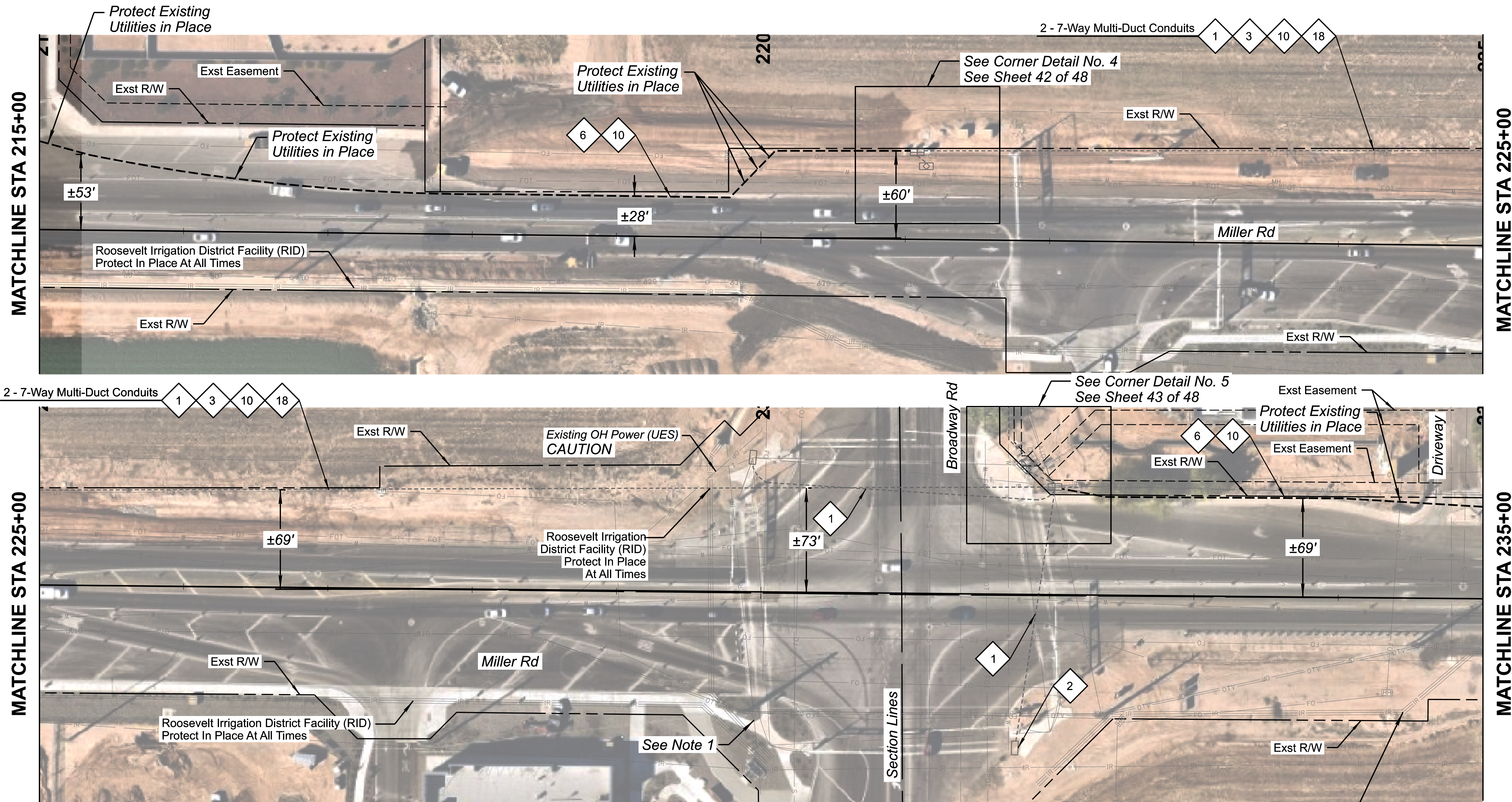
1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect in Place At All Times. Crossing of RID Facilities by Utility via Open Trench Must Be Done During the Annual RID Dry-Up Unless an Appropriate Trenchless Method or Bypass is Approved by RID Through RID's Engineer. Contractor Shall Contact the District's Construction Observer at (602)284-7017, A Minimum of 14 Calendar Days Prior to Any Work in This Area. See RID General and Grading Notes Sheet X.



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PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP
Miller Rd
ITS Installation
Sta 195+00 to 215+00

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-	ARIZ.	T0630	BKY-0(216)T	30	48	
LOCATION	Miller Road and Monroe Avenue					DWG NO. -T-06.06
TRACS NO.	T0630 01C					OF



NOTES

1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect in Place at All Times. Crossing of RID Facilities by Utility via Open Trench Must Be Done During the Annual RID Dry-Up Unless an Appropriate Trenchless Method or Bypass is Approved by RID Through RID's Engineer. Contractor Shall Contact the District's Construction Observer at (602)284-7017, A Minimum of 14 Calendar Days Prior to Any Work in This Area. See RID General and Grading Notes Sheet 4.

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 3

Existing Cables. Protect in Place.
- 6

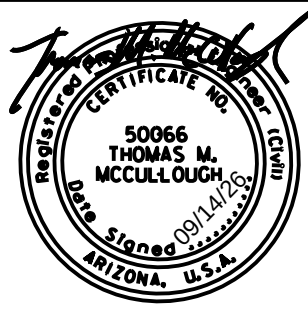
Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 13

Coil 100' of SMFO (432) Cable in No. 9 or 9B Pull Box.
- 18

Route New Fiber Through Existing Conduit.

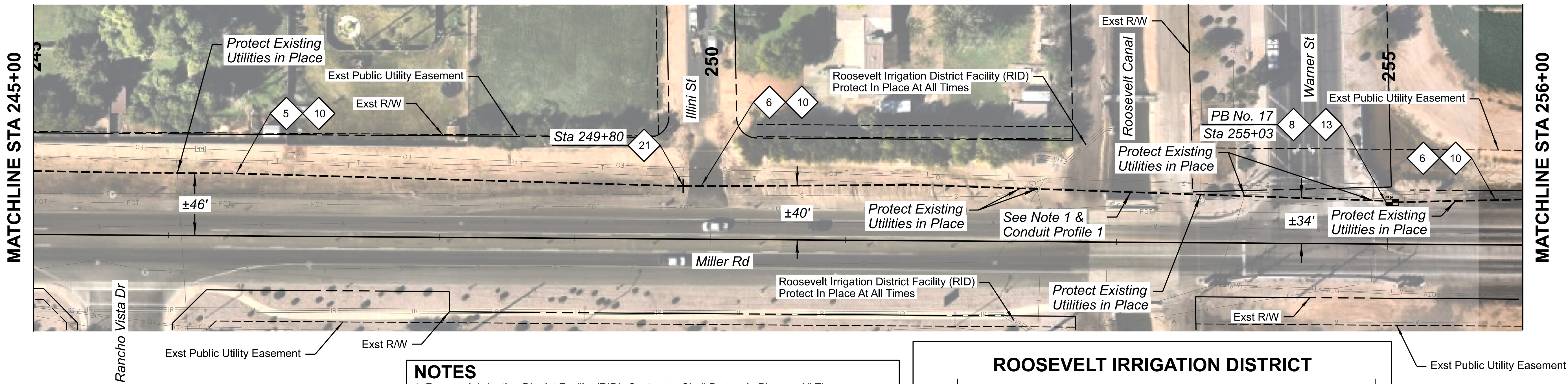
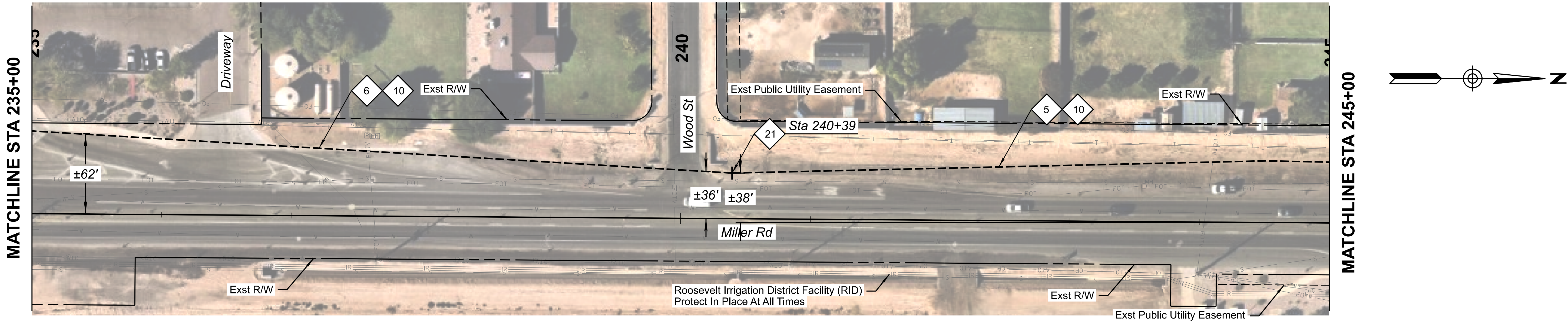
**CAUTION
OVERHEAD POWER**



DESIGN	EEC	NAME	DATE
DRAWN	EJS		09/26
CHECKED	GA/TMM		09/26
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 215+00 to 235+00

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 31	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.07
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

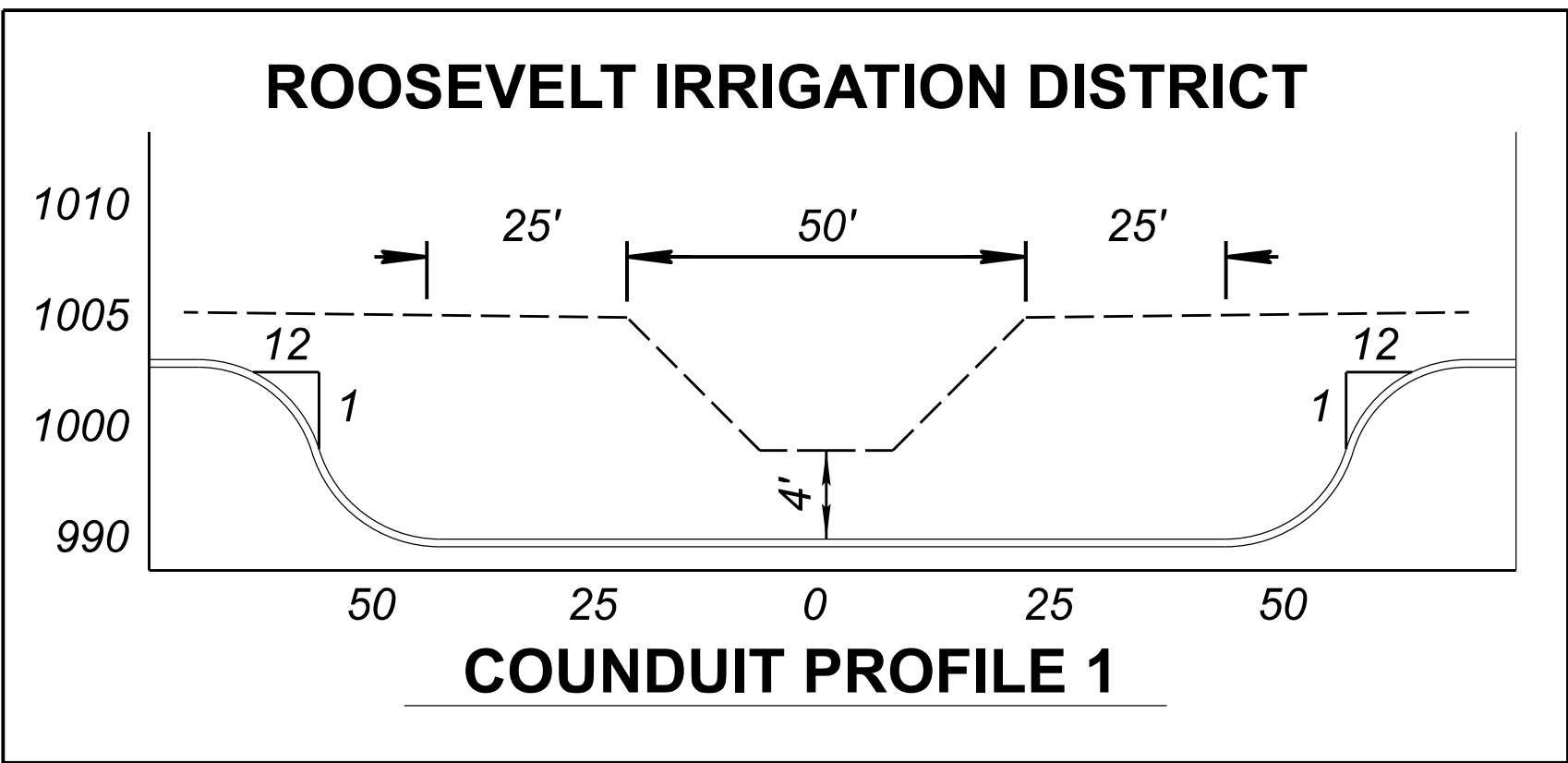


CONSTRUCTION NOTES:

- | | | | |
|---|--|----|--|
| 5 | Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A. | 10 | Install New 288 SMFO Micro-Fiber Cable. |
| 6 | Install Two New 7-Way Micro-Duct Conduits by Directional Drill. | 13 | Coil 100' of SMFO (288) Cable in No. 9 Pull Box. |
| 8 | Install New No. 9 Pull Box per Detail E. | 21 | 7-Way Micro-Duct Coupler Location. |

NOTES

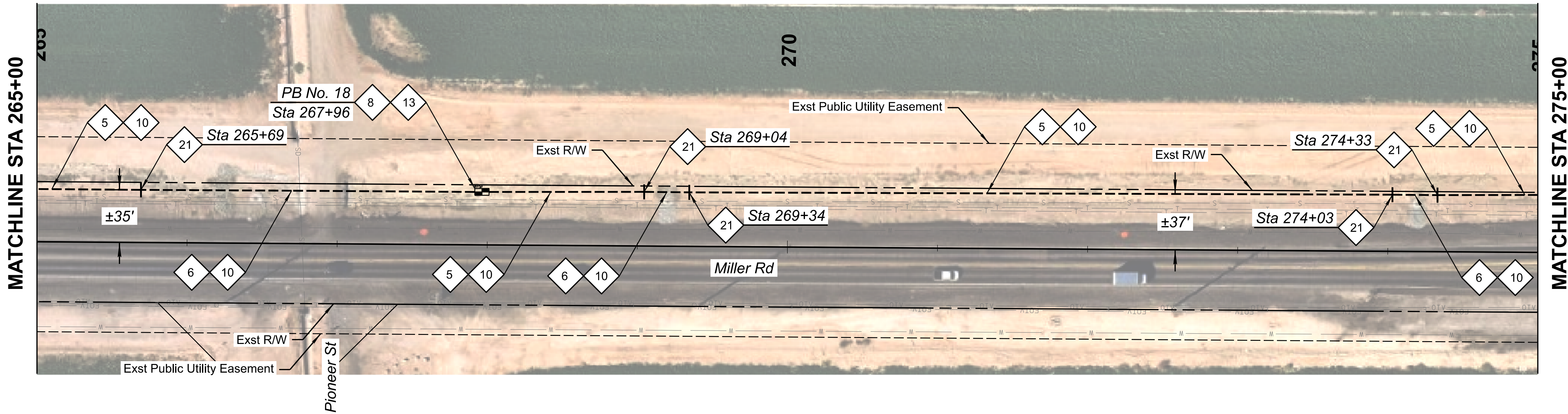
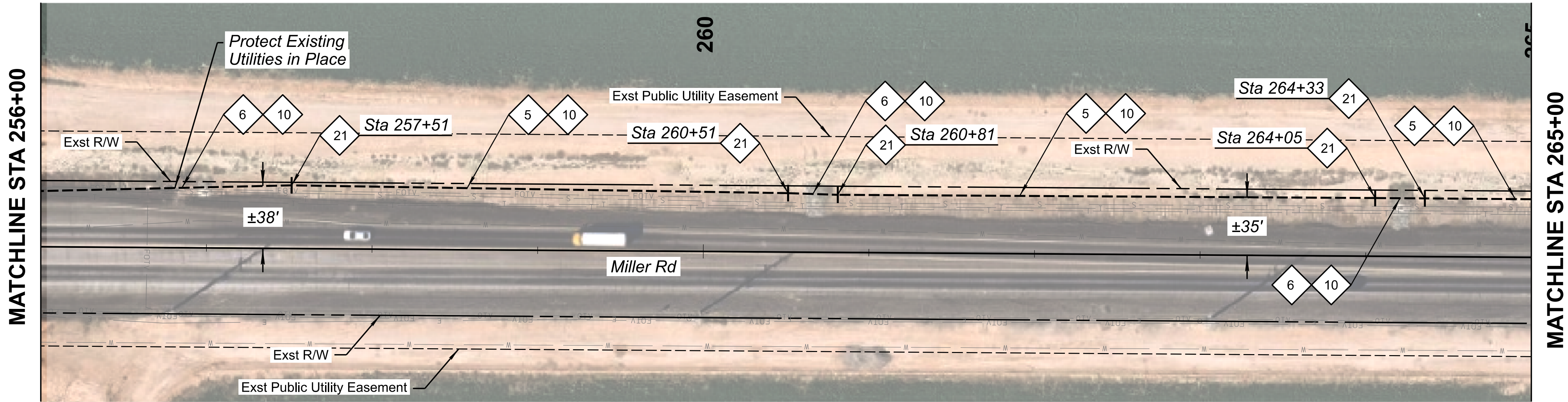
1. Roosevelt Irrigation District Facility (RID). Contractor Shall Protect In Place at All Times. Crossing of RID Facilities by Utility via Open Trench Must Be Done During the Annual RID Dry-Up Unless an Appropriate Trenchless Method or Bypass is Approved by RID Through RID's Engineer. Contractor Shall Contact the District's Construction Observer at (602)284-7017, A Minimum of 14 Calendar Days Prior to Any Work in This Area. See RID General and Grading Notes Sheet 4.



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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP
Miller Rd
ITS Installation
Sta 235+00 to 256+00

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	LOCATION	ARIZ.	T0630	BKY-0(216)T	32	48	
STRUCTURE NO.	TRACS NO.	T0630 01C		DWG NO. -T-06.08		OF	



CONSTRUCTION NOTES:

- 5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.

6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.

8 Install New No. 9 Pull Box per Detail E.
- 10 Install New 288 SMFO Micro-Fiber Cable.

13 Coil 100' of SMFO (288) Cable in No. 9 Pull Box.

21 7-Way Micro-Duct Coupler Location.



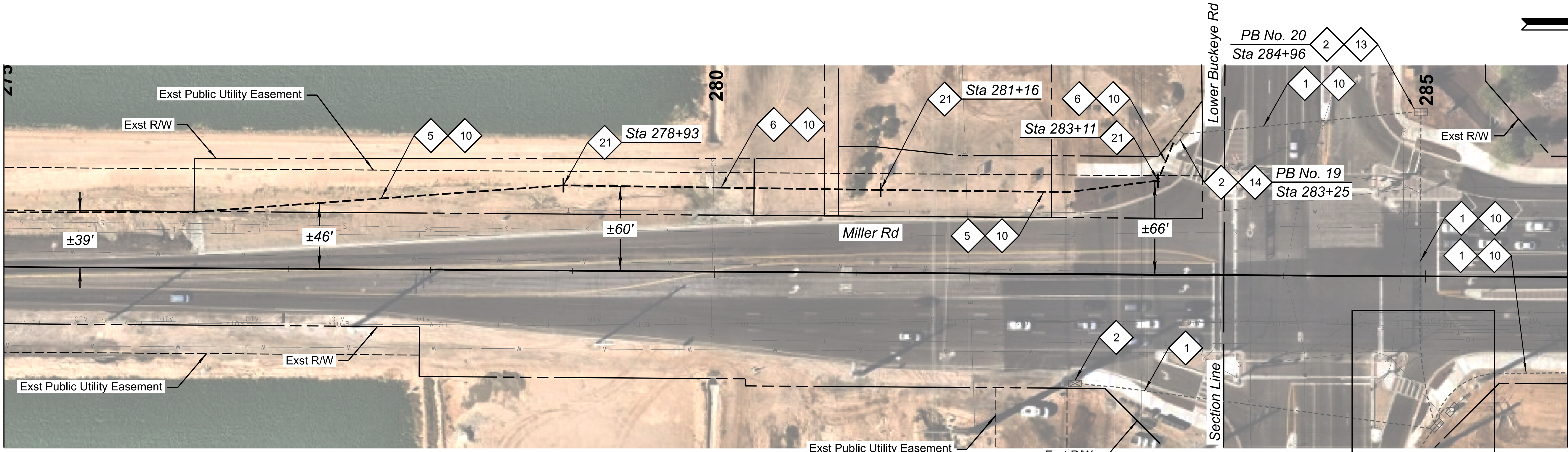
	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 256+00 to 275+00

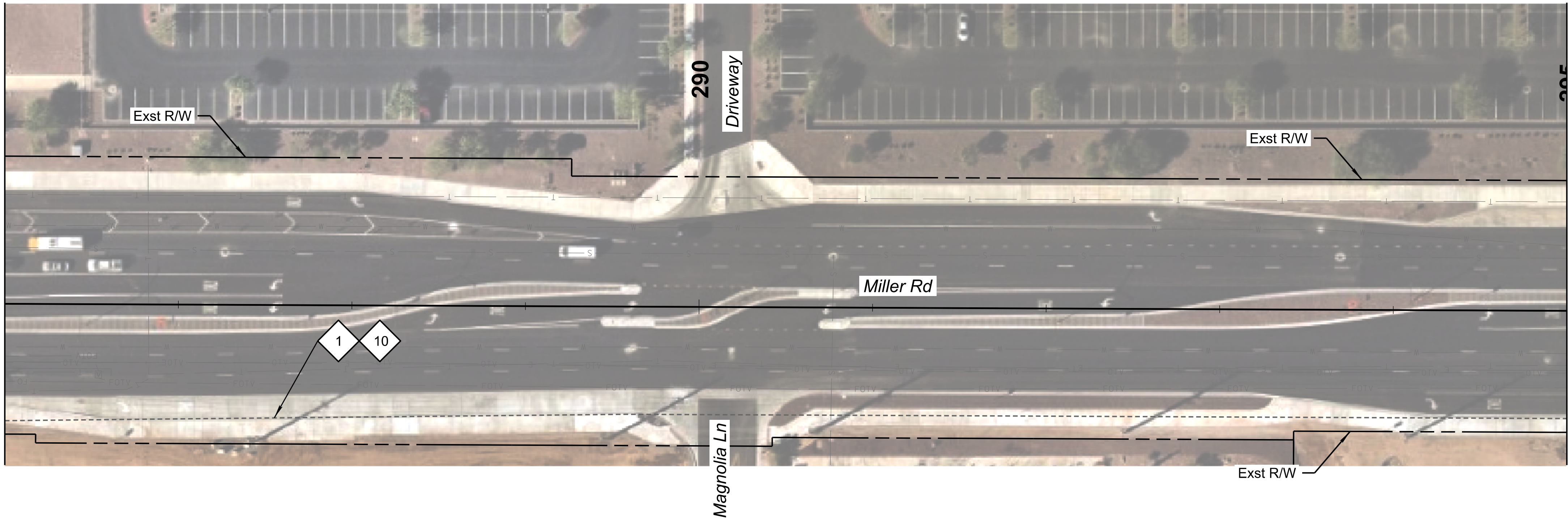
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MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.09
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___

MATCHLINE STA 275+00



MATCHLINE STA 286+00

MATCHLINE STA 286+00



MATCHLINE STA 295+00

See Corner Detail No. 6
See Sheet 43 of 48

CONSTRUCTION NOTES:

- 1 Existing Conduit. Protect in Place.

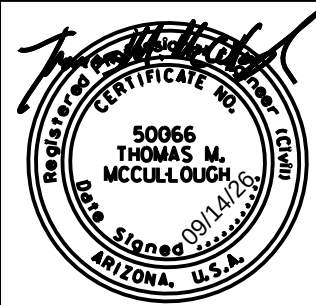
2 Existing Pull Box. Protect in Place.

5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.
- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.

10 Install New 288 SMFO Micro-Fiber Cable.

13 Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 14 Coil 25' of SMFO (288) Cable in No. 8 Pull Box

21 7-Way Micro-Duct Coupler Location.



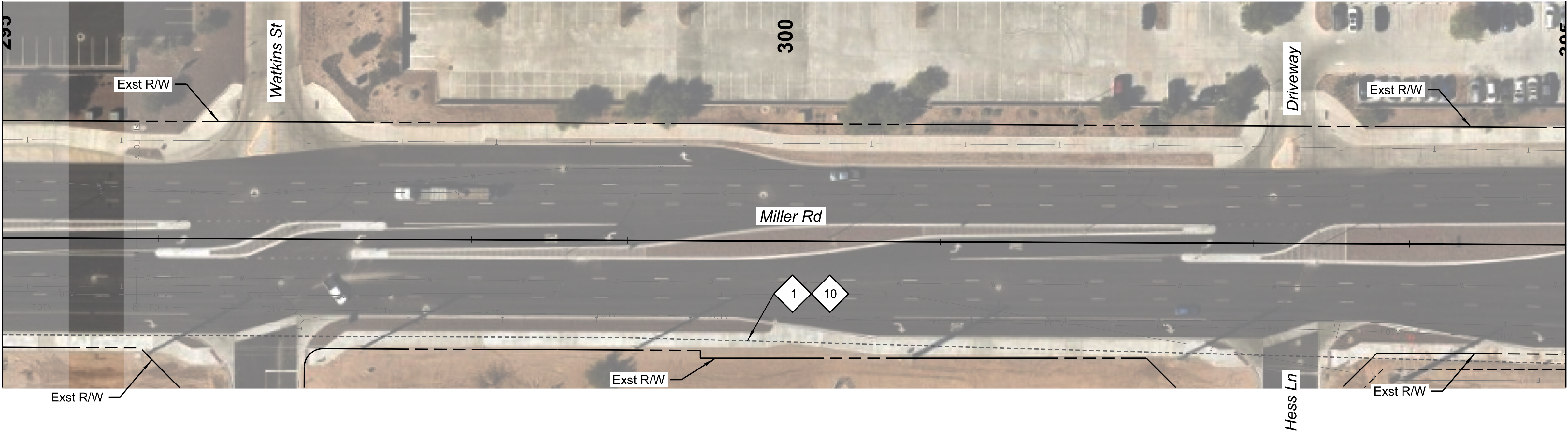
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CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 275+00 to 295+00

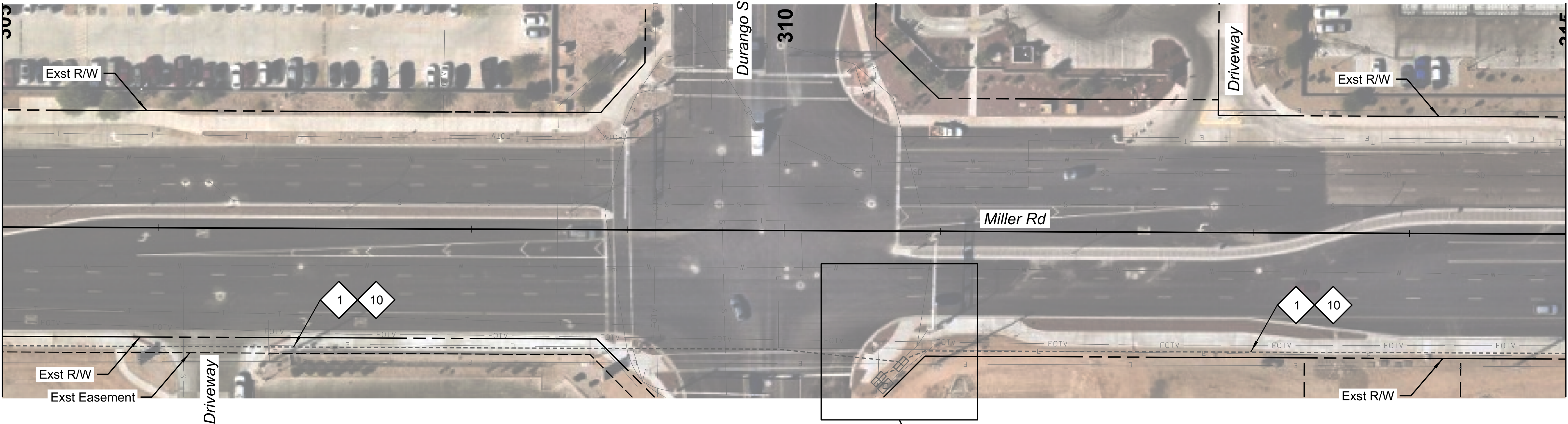
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MILEPOST	LOCATION Miller Road and Monroe Avenue					DWG NO. -T-06.10	
STRUCTURE NO.	TRACS NO. T0630 01C					___ OF ___	

MATCHLINE STA 295+00



MATCHLINE STA 305+00

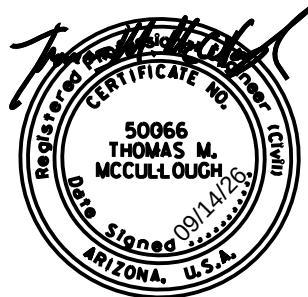
MATCHLINE STA 305+00



MATCHLINE STA 315+00

CONSTRUCTION NOTES:

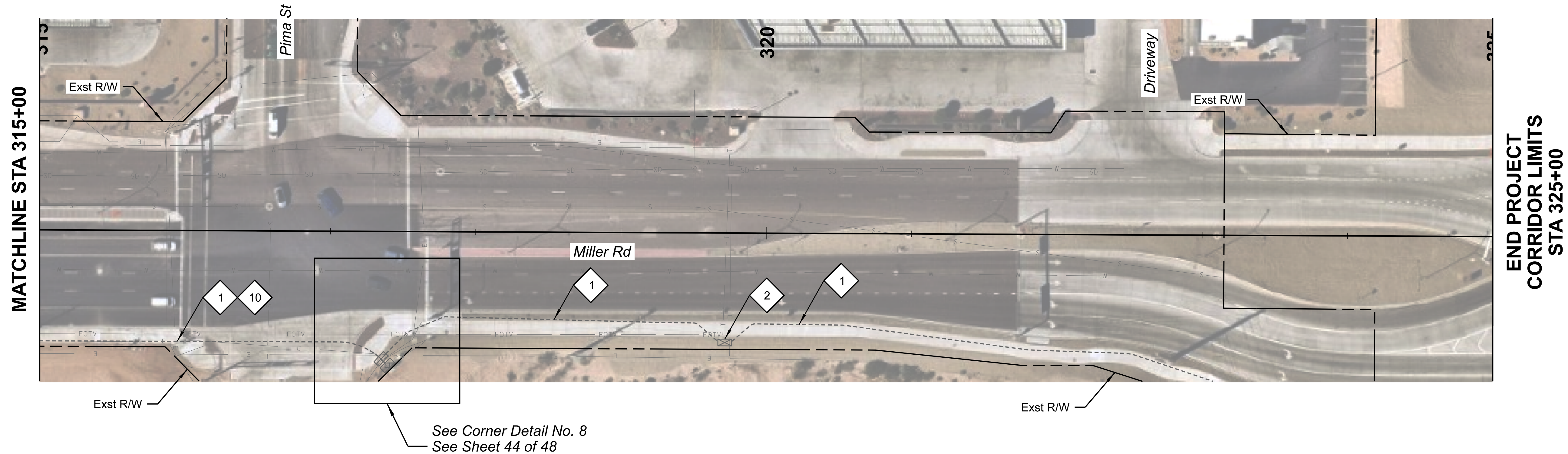
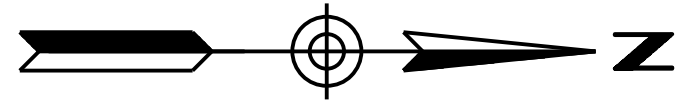
- 1 Existing Conduit. Protect in Place.
- 10 Install New 288 SMFO Micro-Fiber Cable.



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26
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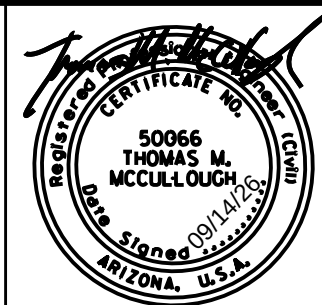
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 295+00 to 315+00

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 35	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.11
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___



CONSTRUCTION NOTES:

- 1 Existing Conduit. Protect in Place.
- 2 Existing Pull Box. Protect in Place.
- 10 Install New 288 SMFO Micro-Fiber Cable.



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd ITS Installation Sta 315+00 to 325+00

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 36	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-06.12
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___



CONSTRUCTION NOTES:

- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 9 Install New No. 8 Pull Box Per Detail F.
- 10 Install New 288 SMFO Micro-Fiber Cable.
- 14 Coil 25' of SMFO (288) Cable in No. 8 Pull Box

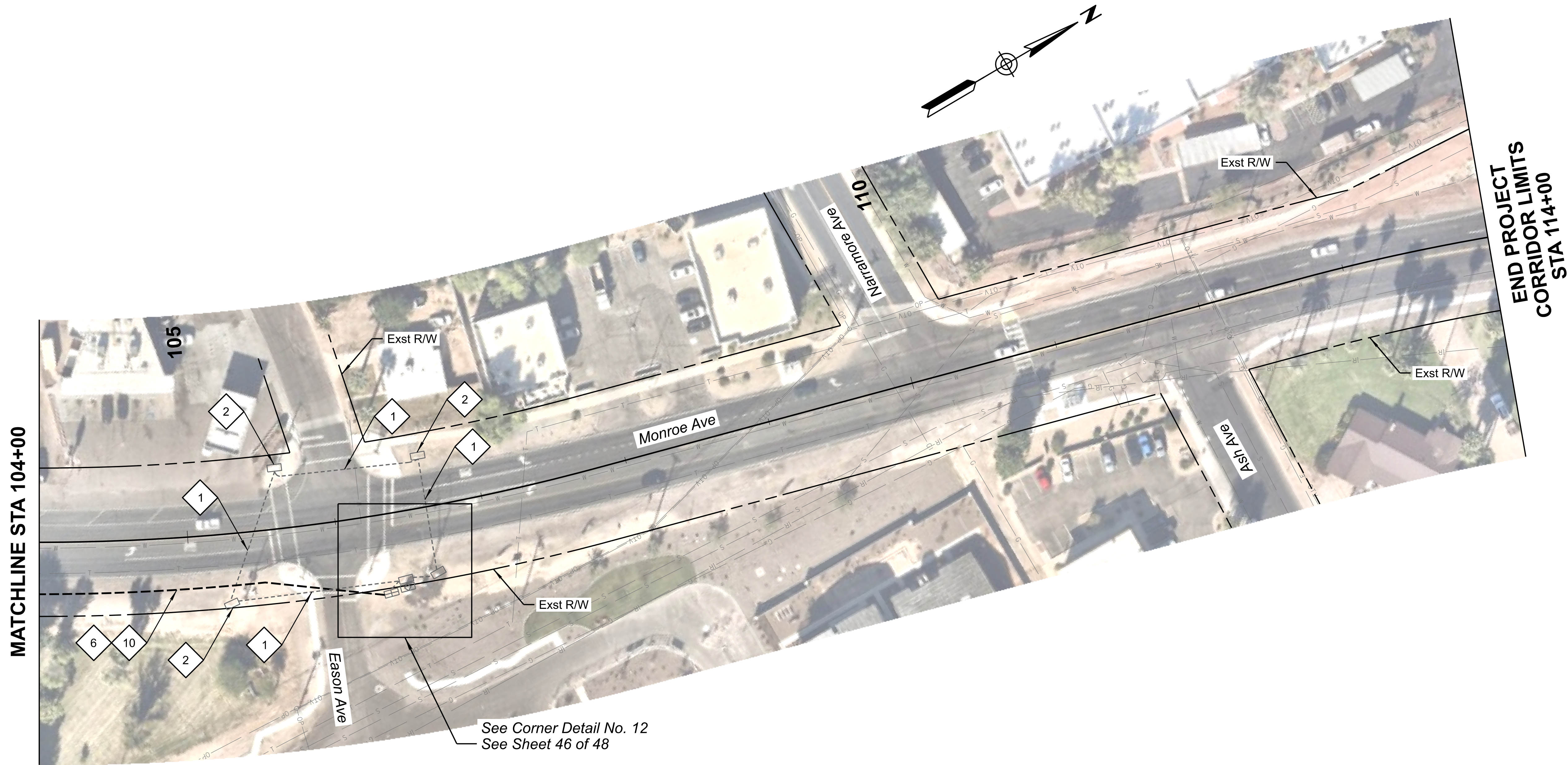


	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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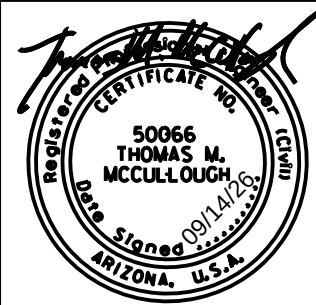
ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Monroe Ave ITS Installation Sta 94+00 to 104+00

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 39	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-07.03
STRUCTURE NO.	TRACS NO. T0630 01C						____ OF ____



CONSTRUCTION NOTES:

- 1 Existing Conduit. Protect in Place.
- 2 Existing Pull Box. Protect in Place.
- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10 Install New 288 SMFO Micro-Fiber Cable.

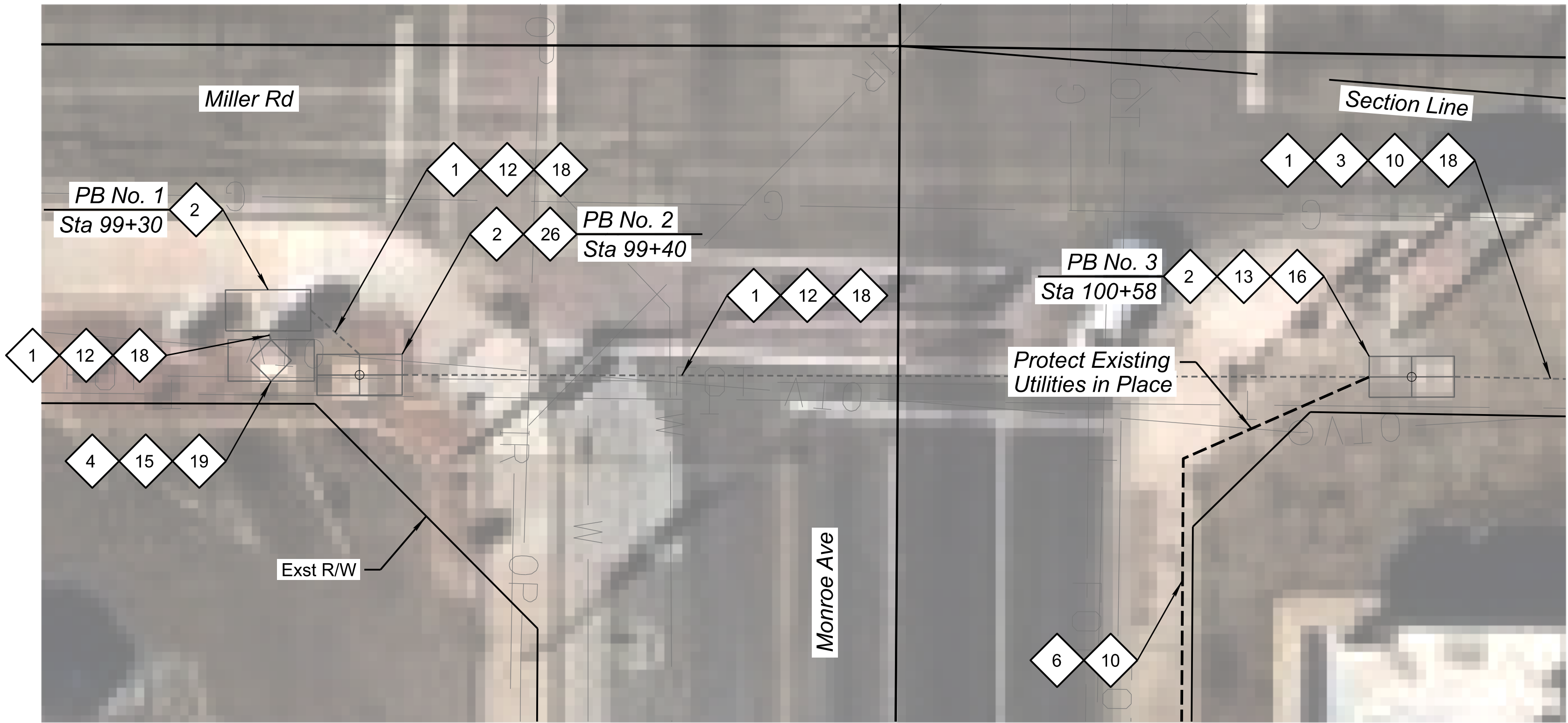
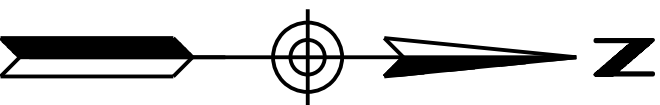


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CHECKED	GA/TMM	09/26

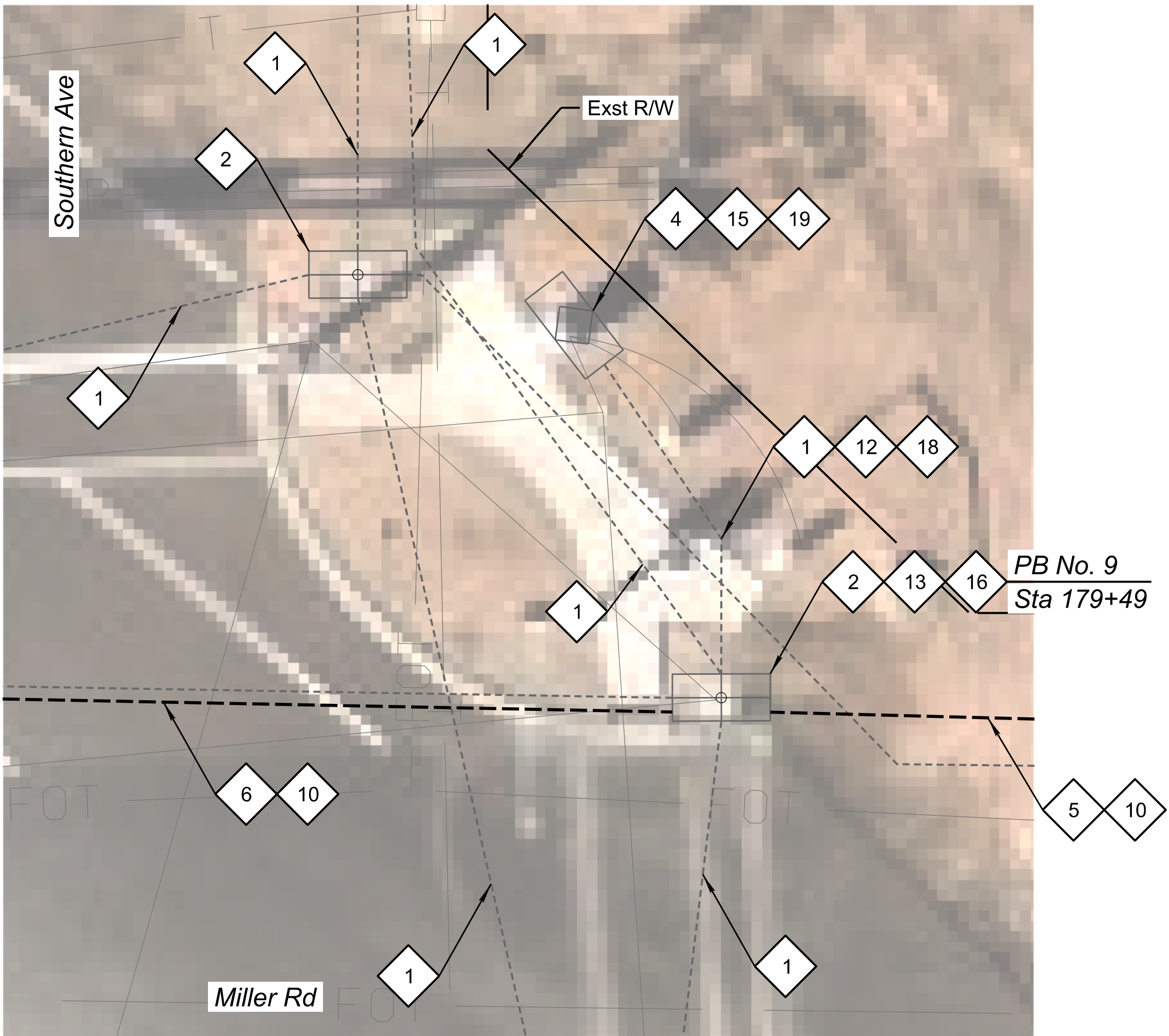
Kimley»Horn
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Monroe Ave ITS Installation Sta 104+00 to 114+00

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 40	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-07.04
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF ___



Corner Detail No. 1



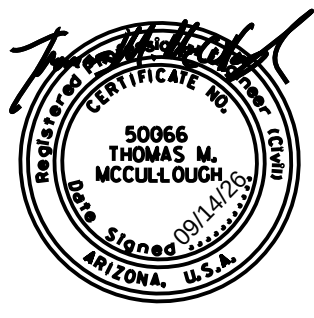
Corner Detail No. 2

CONSTRUCTION NOTES:

- 1 Existing Conduit. Protect in Place.
- 2 Existing Pull Box. Protect in Place.
- 3 Existing Cables. Protect in Place.
- 4 Existing Traffic Signal Cabinet. Protect in Place.
- 5 Install Two New 7-Way Micro-Duct Conduits by Trenching per Detail A.

- 6 Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10 Install New 288 SMFO Micro-Fiber Cable.
- 12 Install New 12 SMFO Cable.
- 13 Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 15 Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.

- 16 Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.
- 18 Route New Fiber Through Existing Conduit.
- 19 Install New Field Hardened Ethernet Switch.
- 26 Coil 50' of SMFO (12) Cable in No. 9 Pull Box.

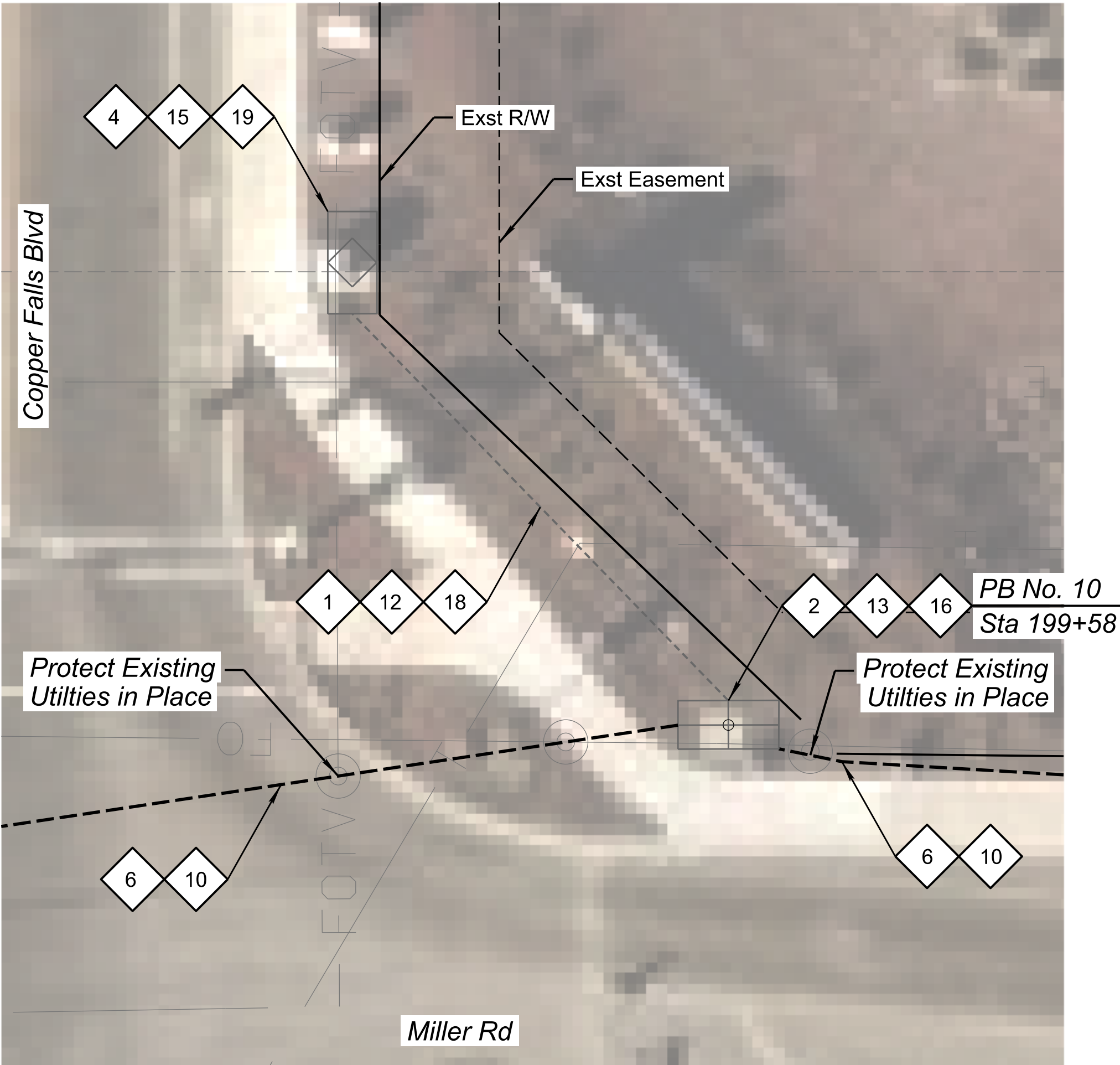
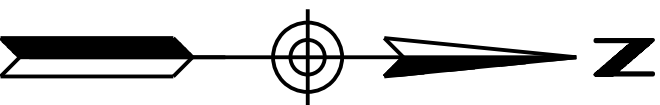


DESIGN	EEC	NAME	DATE
DRAWN	EJS		09/26
CHECKED	GA/TMM		09/26

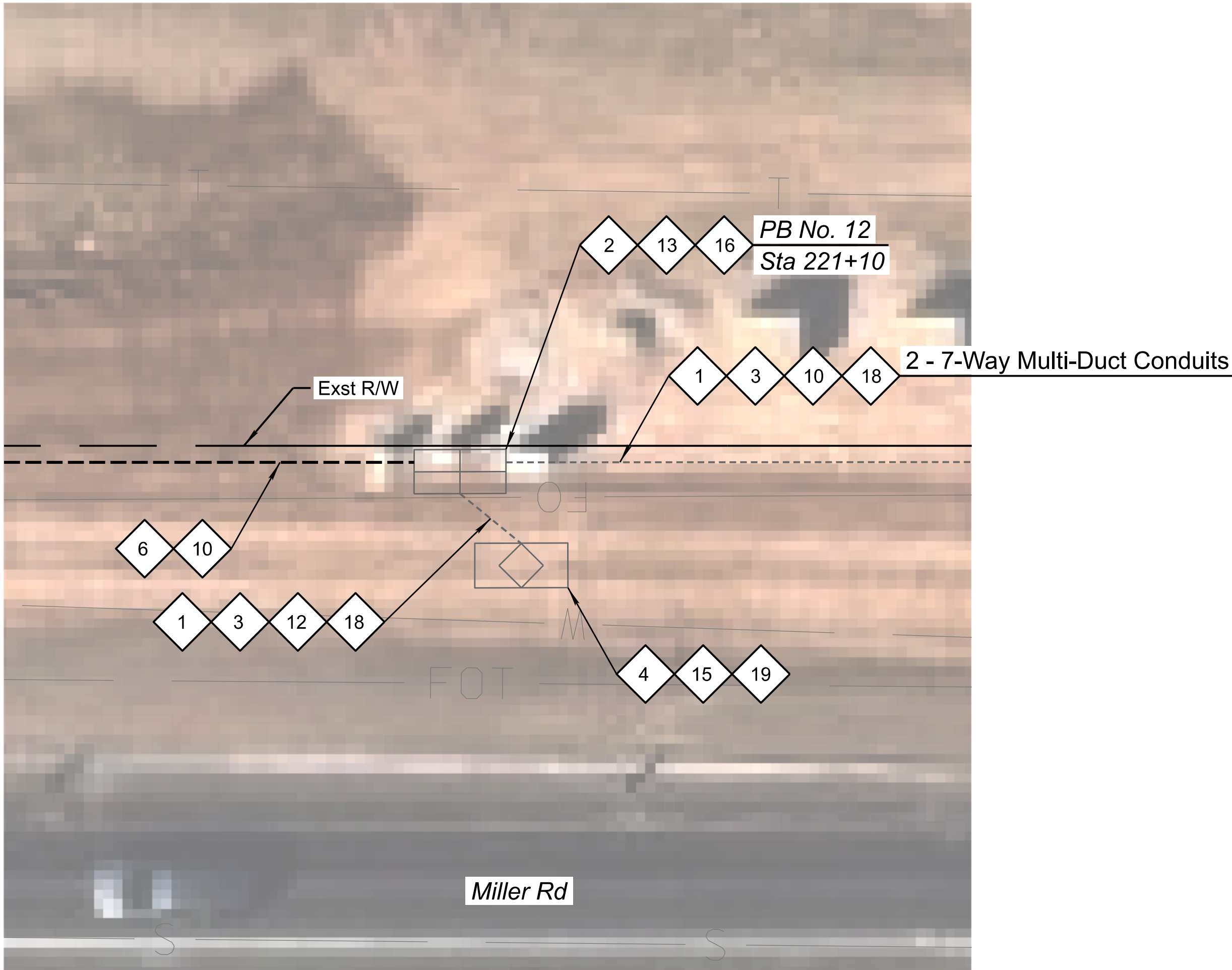
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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
Miller Rd Corner Details No. 1 & No. 2

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 41	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue					DWG NO. -T-08.01	
STRUCTURE NO.	TRACS NO. T0630 01C					___ OF ___	



Corner Detail No. 3



Corner Detail No. 4

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 3

Existing Cables. Protect in Place.
- 4

Existing Traffic Signal Cabinet. Protect in Place.
- 6

Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 12

Install new 12 SMFO Cable.
- 13

Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 15

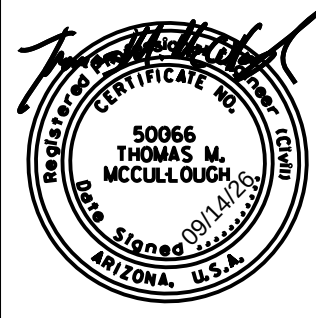
Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.
- 16

Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.

- 18

Route New Fiber Through Existing Conduit.
- 19

Install New Field Hardened Ethernet Switch.



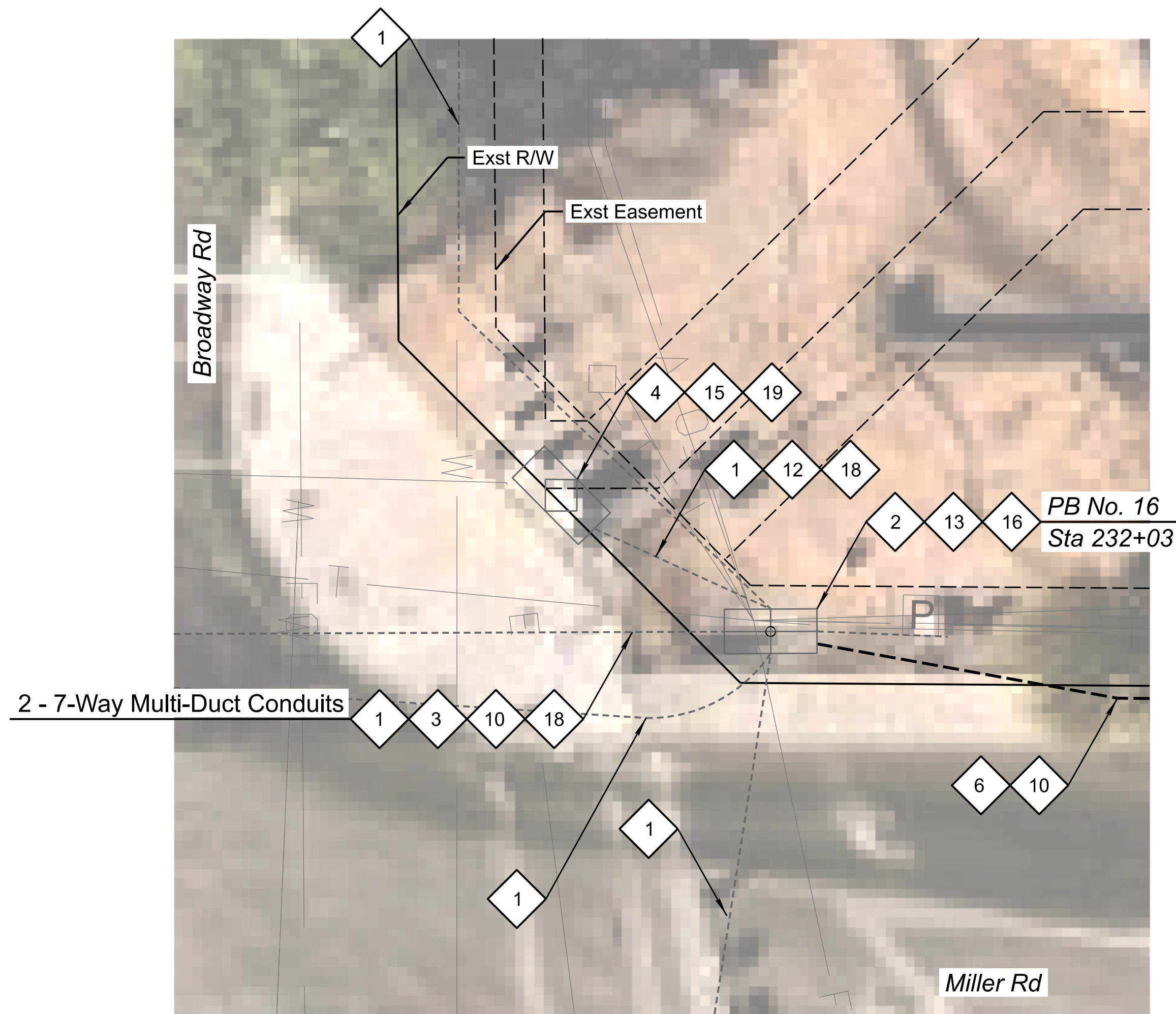
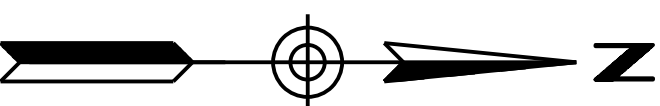
DESIGN	EEC	NAME	DATE
DRAWN	EJS		09/26
CHECKED	GA/TMM		09/26

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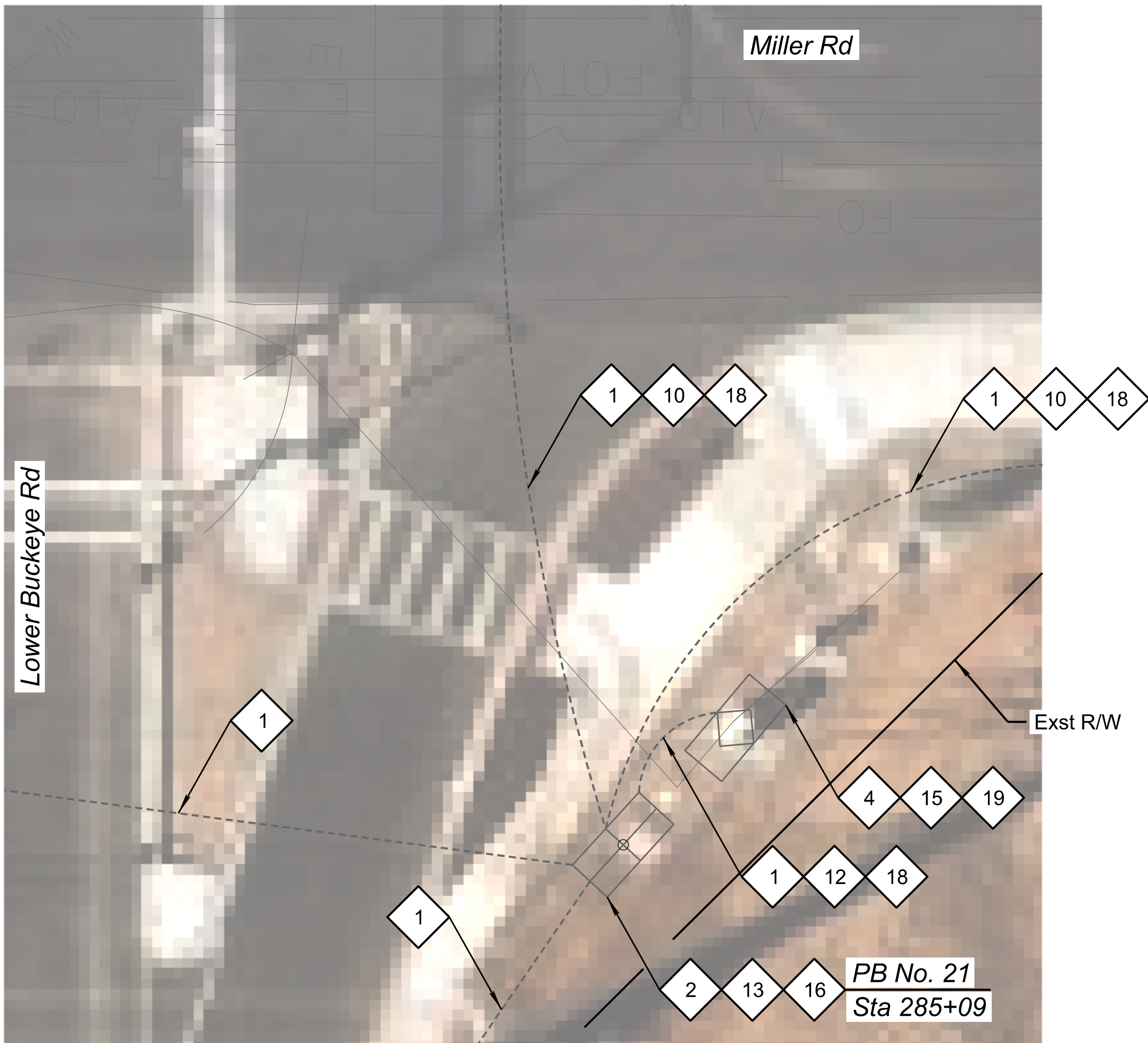
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

Miller Rd
Corner Details
No. 3 & No. 4

ROUTE -	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	T0630	BKY-0(216)T	42	48	
	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-08.02
STRUCTURE NO.	TRACS NO. T0630 01C			___ OF ___			



Corner Detail No. 5



Corner Detail No. 6

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 3

Existing Cables. Protect in Place.
- 4

Existing Traffic Signal Cabinet. Protect in Place.
- 6

Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 12

Install new 12 SMFO Cable.
- 13

Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 15

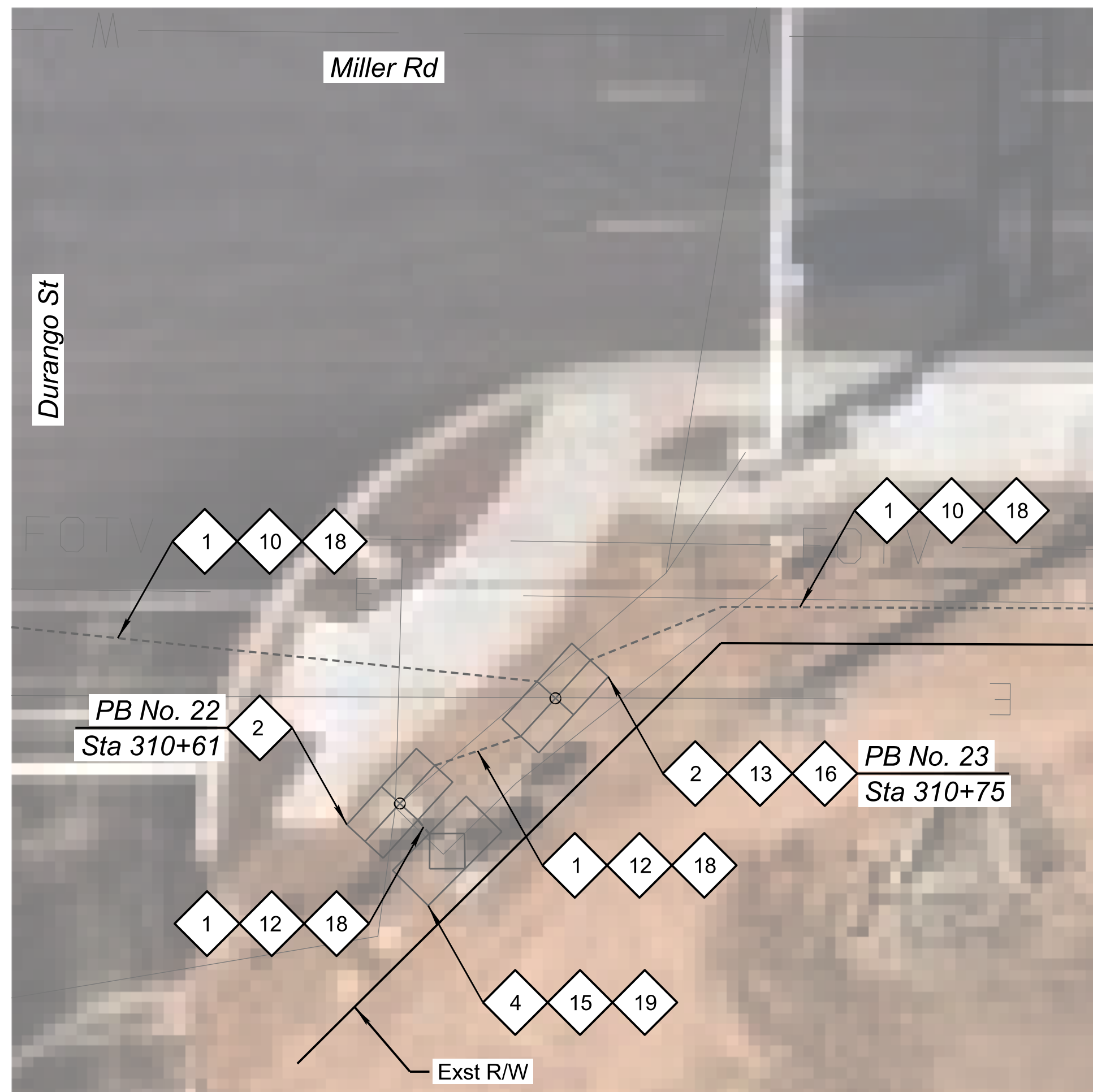
Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.
- 16

Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.
- 18

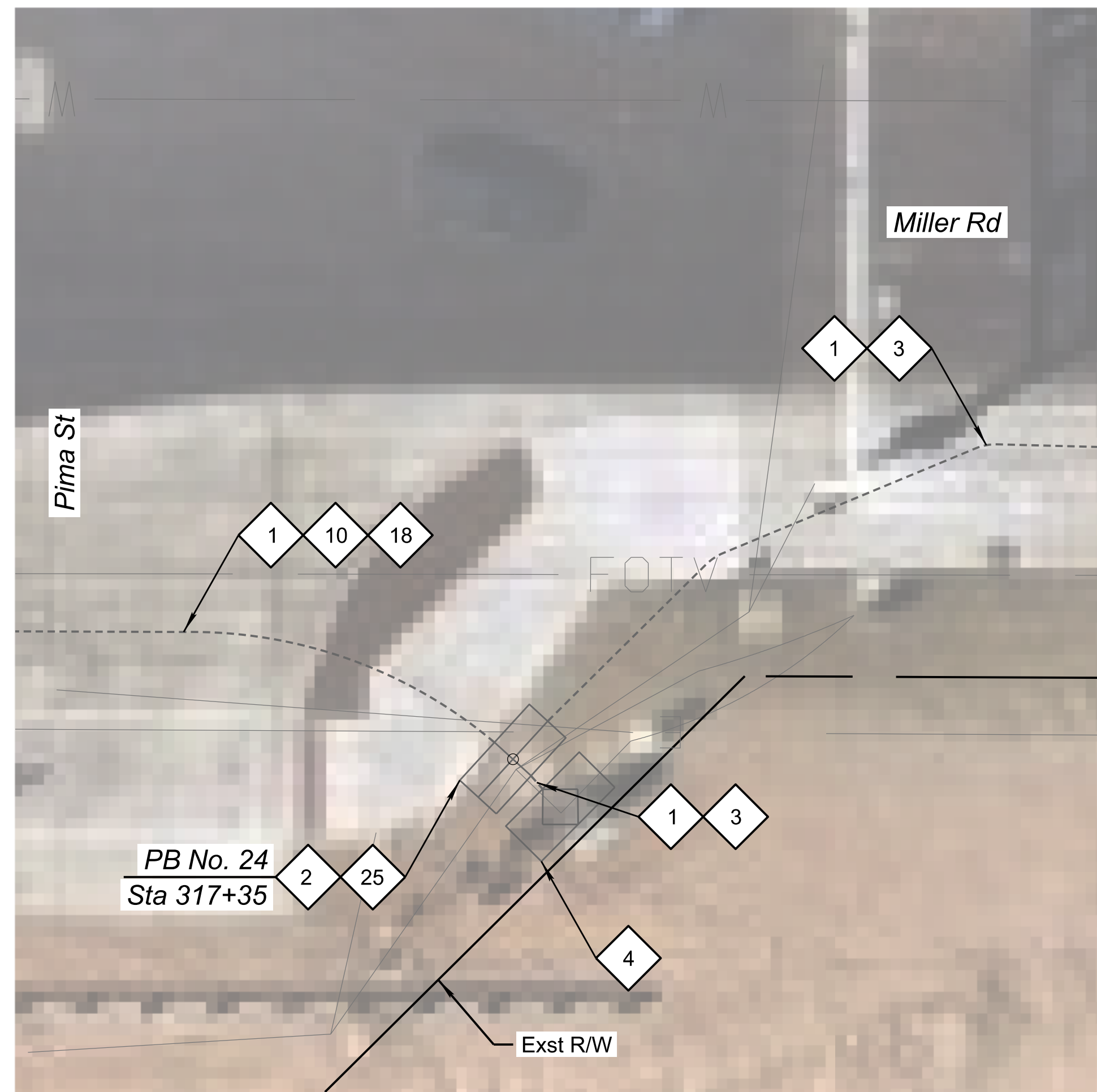
Route New Fiber Through Existing Conduit.
- 19

Install New Field Hardened Ethernet Switch.

	DESIGN	EEC	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	-	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	43	TOTAL SHEETS	48	RECORD DRAWING										
	DRAWN	EJS	09/26		MILEPOST				LOCATION Miller Road and Monroe Avenue																		
	CHECKED	GA/TMM	09/26		STRUCTURE NO.		TRACS NO. T0630 01C																				
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Corner Detail No. 7



Corner Detail No. 8

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 3

Existing Cables. Protect in Place.
- 4

Existing Traffic Signal Cabinet. Protect in Place.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 12

Install New 12 SMFO Gator Patch Cable.
- 13

Coil 100' of SMFO (432) Cable in No. 9 or 9B Pull Box.
- 15

Coil 25' of SMFO (12) Count Gator Patch Cable with Termination Panel in Traffic Signal Cabinet.
- 16

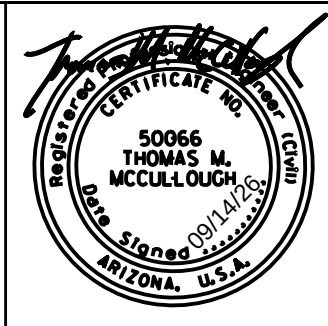
Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (432) Cable as Shown in the Splice Details.
- 18

Route New Fiber Through Existing Conduit.

- 19

Install New Field Hardened Ethernet Switch.
- 25

Modify Existing Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.



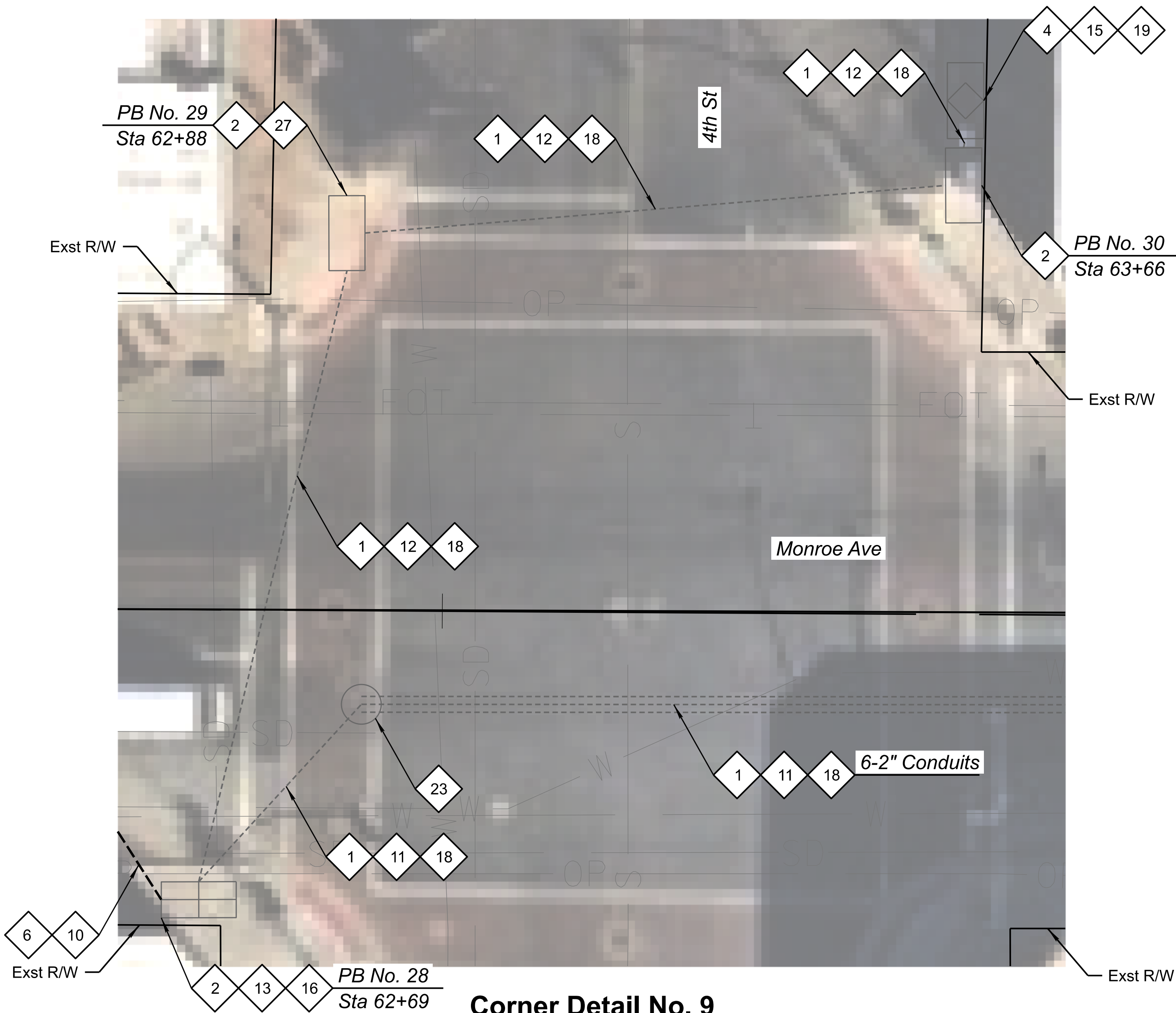
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

Miller Rd
Corner Details
No. 7 & No. 8

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	T0630	BKY-0(216)T	44	48		
STRUCTURE NO.	LOCATION Miller Road and Monroe Avenue						DWG NO. -T-08.04
	TRACS NO. T0630 01C						___ OF ___



Corner Detail No. 9



Corner Detail No. 10

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 4

Existing Traffic Signal Cabinet. Protect in Place.
- 6

Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 11

Install New Dielectric Loose Tube 288 SMFO Cable.
- 12

Install new 12 SMFO Cable.
- 13

Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 15

Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.
- 16

Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.
- 18

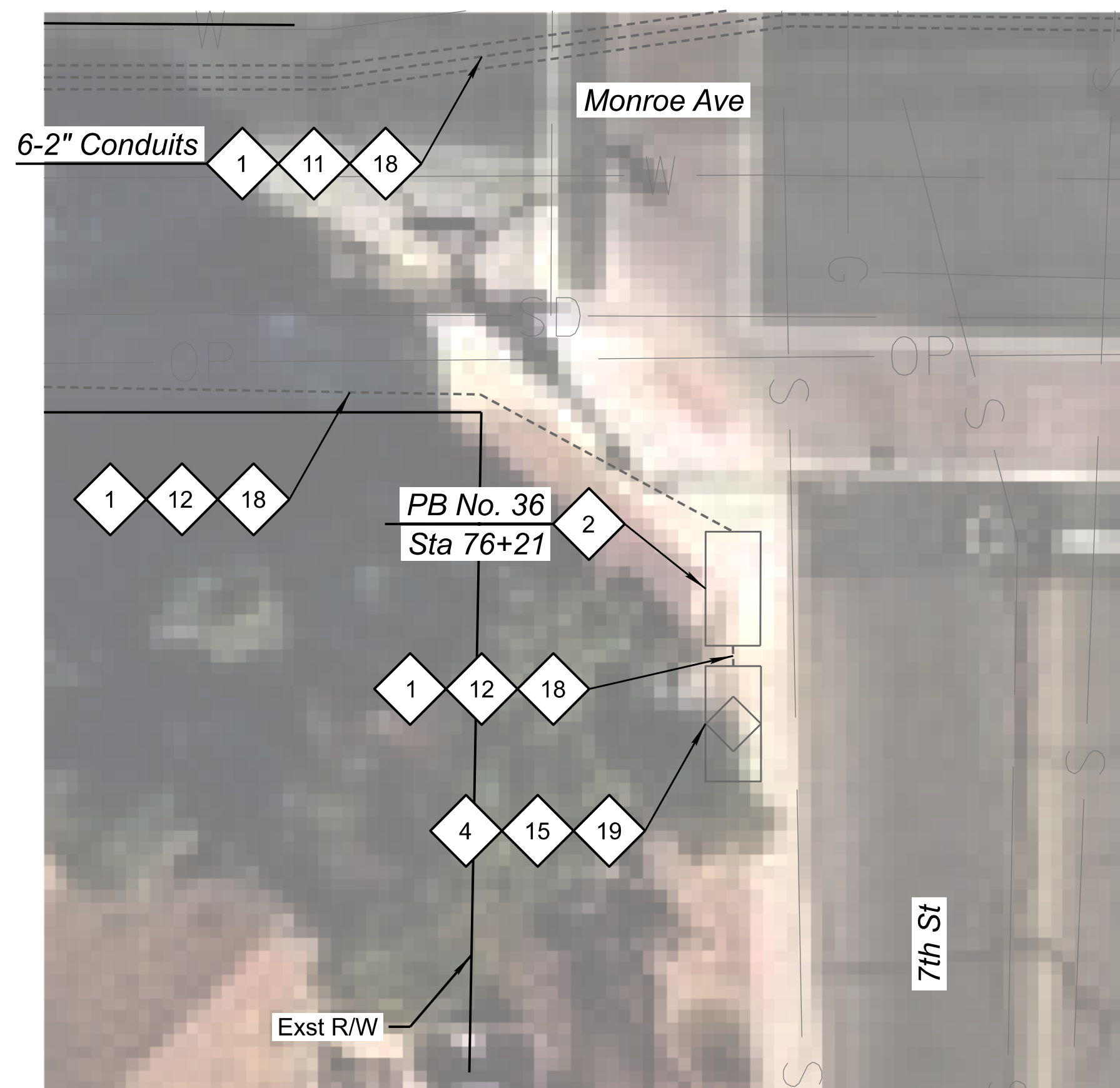
Route New Fiber Through Existing Conduit.
- 19

Install New Field Hardened Ethernet Switch.
- 23

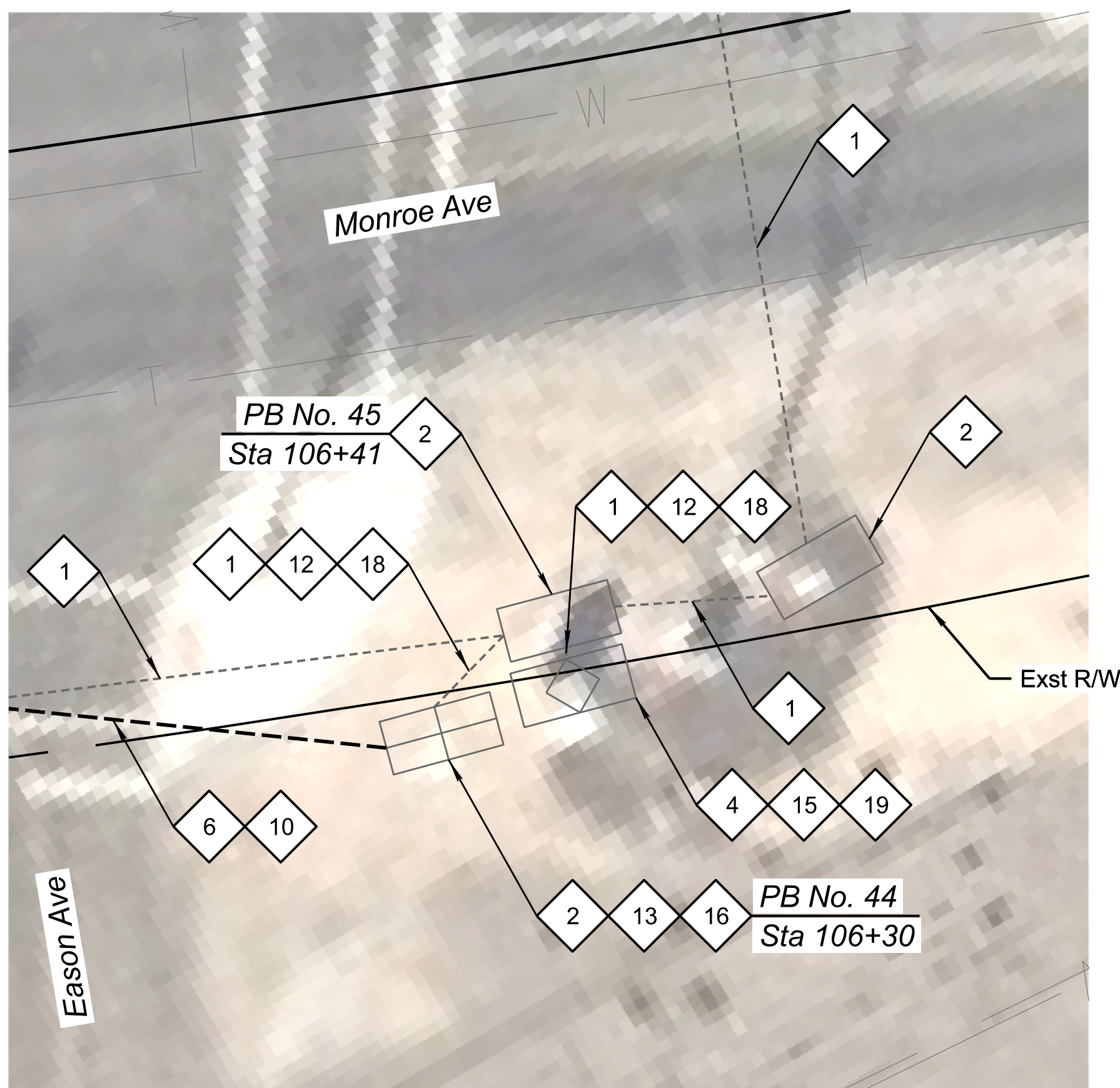
Existing ITS Utility Vault. Protect in Place.
- 27

Coil 25' of SMFO (12) Cable in No. 8 Pull Box.

	DESIGN	EEC	09/26	ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP	ROUTE	-	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	T0630	FEDERAL ID NO.	BKY-0(216)T	SHEET NO.	45	TOTAL SHEETS	48	RECORD DRAWING									
	DRAWN	EJS	09/26		MILEPOST			LOCATION Miller Road and Monroe Avenue										DWG NO. -T-09.01									
	CHECKED	GA/TMM	09/26		STRUCTURE NO.		TRACS NO. T0630 01C																				
	Kimley»Horn © 2008 KIMLEY-HORN AND ASSOCIATES, INC.			Monroe Ave Corner Details No. 9 & No. 10		____ OF ____																					



Corner Detail No. 11



Corner Detail No. 12

CONSTRUCTION NOTES:

- 1

Existing Conduit. Protect in Place.
- 2

Existing Pull Box. Protect in Place.
- 4

Existing Traffic Signal Cabinet. Protect in Place.
- 6

Install Two New 7-Way Micro-Duct Conduits by Directional Drill.
- 10

Install New 288 SMFO Micro-Fiber Cable.
- 11

Install New Dielectric Loose Tube 288 SMFO Cable.
- 12

Install new 12 SMFO Cable.
- 13

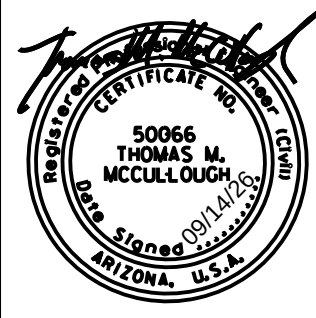
Coil 100' of SMFO (288) Cable in No. 9 Pull Box.
- 15

Coil 25' of SMFO (12) Count Cable with PolyMod Termination Panel in Traffic Signal Cabinet.
- 16

Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.
- 18

Route New Fiber Through Existing Conduit.
- 19

Install New Field Hardened Ethernet Switch.



DESIGN	EEC	NAME	DATE
DRAWN	EJS		09/26
CHECKED	GA/TMM		09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

Monroe Ave
Corner Details
No. 11 & No. 12

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST	ARIZ.	T0630	BKY-0(216)T	46	48		
STRUCTURE NO.	LOCATION Miller Road and Monroe Avenue					DWG NO. -T-09.02	
	TRACS NO. T0630 01C					___ OF ___	

TRAFFIC CONTROL GENERAL NOTES:

1. All existing signs in conflict with construction signs shall be removed, relocated, or covered in place as directed by the Engineer. The contractor shall store and reinstall items which have been removed or relocated in a manner approved by the Engineer.

2. The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of the specifications and in Section 380 of the ADOT Traffic Engineering Guidelines and Processes (TGP).

3. Signs installed on embedded posts shall be mounted at a minimum height of 7 feet as measured from the bottom of the sign to the near edge of the pavement. All other signs may be installed on spring stands as shown in these plans, at the height recommended by the spring stand manufacturer.

4. The nearest edge or corner of a sign shall be approximately 6 feet from the nearest edge of pavement for all signs mounted on embedded posts.

5. Flags shall be mounted on top of all construction signs except the "END ROAD WORK THANK YOU" sign.

6. Type A flashing warning lights shall be required on all construction signs used at night except the "END ROAD WORK THANK YOU" sign.
7. Type C steady-burning yellow lights shall be mounted on every barricade used for channelization at night.

8. Channelizing devices shall be placed in accordance with the ADOT Temporary Traffic Control Design Guidelines (TCDG), except as otherwise noted on plans.

9. Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed sooner but they must be covered or turned away from traffic. The cost for covering or turning them will not be measured or paid for separately, the cost being considered included in the cost of the contract items. These signs shall be removed within 24 hours after completion of construction activities.

10. All construction signs shall have black letters on a flourescent orange background, except as otherwise noted.

11. Speed limit signing is preliminary and is subject to review and change by the Engineer as dictated by field conditions.

12. Where no closure is necessary but where there is construction alongside a roadway under construction, the contractor shall place a 48 inch x 48 inch "ROAD WORK AHEAD" sign as directed by the Engineer to alert the public to the construction activities.
13. When traffic control devices are not in use, they shall be moved at least 30 feet from the roadway.

14. All drawings are schematic only and not to scale.

15. The traffic control plans represent a suggested method for traffic control during construction. The contractor may prepare another traffic control plan in accordance with Section 701 of the specifications. All traffic control plans are subject to the approval of the Engineer before beginning construction.

TRAFFIC CONTROL QUANTITIES									
BID ITEM NO.	ELEMENT OF WORK	UNIT	ACTIVITY 1	ACTIVITY 2A	ACTIVITY 2B	ACTIVITY 3A	ACTIVITY 3B	ACTIVITY 3C	TOTAL QTYS***
	ESTIMATED DURATION	DAYS*	183	10	101	10	9	10	183**
7010005	MAINTENANCE AND PROTECTION OF TRAFFIC	L.SUM	-	-	-	-	-	-	1
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY	0	10	65	0	18	0	93
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	0	20	0	0	0	0	20
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE)	HOURL	0	48	80	16	32	16	192

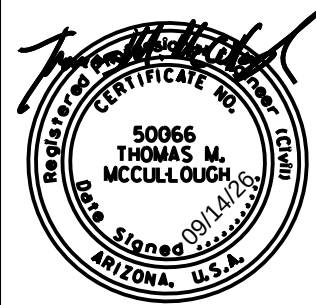
* Some total quantities are rounded for clarity

** Advance warning sign duration is equal to the duration of the project since advance warning signs will be implemented for entire duration of the project.

MAINTENANCE AND PROTECTION OF TRAFFIC				
CONSTRUCTION ACTIVITY		TRAFFIC CONTROL	REMARKS	
1	Traffic Control Setup Install Advance Warning Signs	Mobilize and install advance warning signs.	Advance warning signs shall be mounted on spring stands on each corridor with Type A Warning Lights and Flags except on the "End Road Work Thank You" sign. Signs are to remain in place for the duration of the project.	
2A	Miller Rd Fiber Installation in Existing Conduit from Pima St to Lower Buckeye Rd	Close NB shoulder along Miller Rd from Pima Rd to Lower Buckeye Rd per ADOT TCDG, Figure SA-5R. Close SB shoulder along Miller Rd from Broadway Rd to Spencer Run.	All travel lanes and sidewalk shall be open to traffic at the end of each day. The contractor shall maintain access to all residential & business driveways. The contractor shall not block sidewalk or pedestrian access route for construction activities without providing a detour or diversion.	
2B	Miller Rd Install New Fiber, Pull Boxes, & Conduit along Miller Rd between Lower Buckeye & Monroe Ave	Close SB shoulder along Miller Rd from Lower Buckeye Rd to Broadway Rd per MUTCD TA-3, Figure 6H-3. Close SB right turn lane at Warner St per MUTCD TA-6, Figure 6H-6. Close SB shoulder along Miller Rd from Spencer Rd to Monroe Ave per MUTCD TA-3, Figure 6H-3. Close SB right turn lane at Broadway Rd similar to ADOT TCDG, Figure SA-5(R). Close SB right turn lane at Spencer Rd similar to ADOT TCDG, Figure SA-5(R). Close SB right turn lane at Copper Falls Blvd similar to ADOT TCDG, Figure SA-5(R). Close SB right turn lane at Maricopa Rd similar to ADOT TCDG, Figure SA-5(R).	The contractor shall provide an off-duty uniformed police officer during construction within 300 feet of a signalized intersection. The intersections with right turn lane closures, if pavement width is available, the contractor shall keep the right turn movement channelizing traffic using vertical panels. Installation of Fiber within existing conduit along Monroe Ave between 4th St and 9th St, shall be installed during the hours of 7pm to 6am.	
3A	Monroe Ave Install New Fiber, Pull Boxes, & Conduit along Monroe Ave between Miller Rd and 4th St	Close WB on-street parking along Monroe Ave from Miller Rd to 4th St similar to ADOT TCDG, Figure SA-5(R).		
3B	Monroe Ave Install New Fiber along Monroe Ave between 4th and 9th St	Close EB on-street parking along Monroe Ave from 4th St to 9th St similar to ADOT TCDG, Figure SA-5(R).		
3C	Monroe Ave Install New Fiber, Pull Boxes, & Conduit along Monroe Ave between 9th St and Eason Ave	Close EB shoulder along Monroe Ave from 9th St to Eason Ave per MUTCD TA-3, Figure 6H-3.		

TRAFFIC CONTROL GENERAL NOTES:

1. The order of construction activities does not constitute a sequence of construction for various phases, segments, and sections.
2. The contractor shall perform the work in the most expeditious manner consistent with the plans, specifications, and with the approval of the Engineer.



	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION PROJECT MANAGEMENT GROUP
MAINTENANCE OF TRAFFIC

ROUTE -	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. T0630	FEDERAL ID NO. BKY-0(216)T	SHEET NO. 48	TOTAL SHEETS 48	RECORD DRAWING
MILEPOST	LOCATION Miller Road and Monroe Avenue					DWG NO. -T-10.02	
STRUCTURE NO.	TRACS NO. T0630 01C					___ OF ___	