

CITY OF SCOTTSDALE

PUBLIC WORKS DEPARTMENT
CAPITAL PROJECT MANAGEMENT



2018 SAMPLE PLAN

SHEET INDEX

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28	Roadway Plan
29	Roadway Profile
30	Geometric Control Plan
31-32	Staking Plan
33	Staking and Geometric Plan
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36	Sewer Line Plan and Profile
37-38	Signing and Marking Plan
39	Lighting Plan

COMPANY LOGO



DATE	REVISION	BY
ENGINEER		



PUBLIC WORKS
CAPITAL PROJECT
MANAGEMENT

7447 E. INDIAN SCHOOL RD.
SCOTTSDALE, ARIZONA 85251

SHEET TITLE **XXXX**

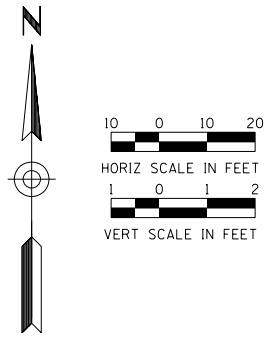
PROJECT TITLE **XXXX**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. X"=XX"	XXX	MM/DD/YYYY		X
VERT. X"=XX"	DRAWN	AS-BUILT	PROJECT NO.	3 OF 39
	XXX		XXXX	

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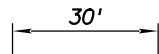
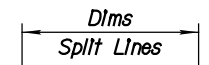
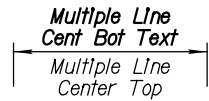
Property Owner
with APN Number
XXX-XX-XXX

ROAD NAME



SECTION/NOTES

⊗ **DETAIL NAME**



GENERAL NOTES

1. First note goes here.

REMOVAL & RELOCATION NOTES

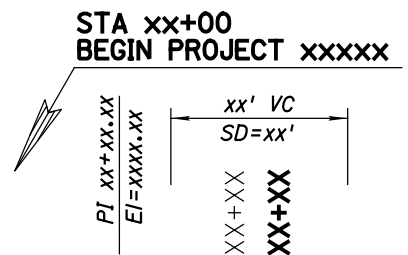
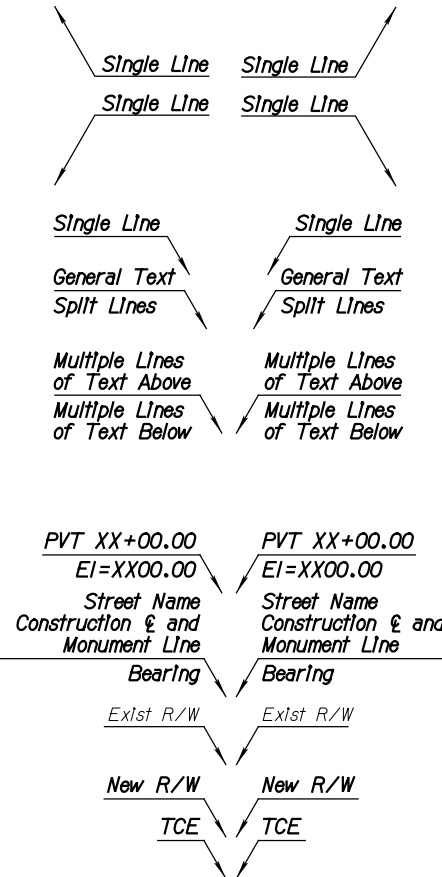
	Description	Unit	Quan
1	One Line	XX	X
2	Two Two Two Two Two Two Lines Lines Lines Lines Lines	XX	XX
3	Three Three Three Three Three Lines Lines Lines Lines Lines Total Total Total Total Total	XX	XXX
4	Total Total Total Total Total of of of of of of of of of Four Four Four Four Four Lines Lines Lines Lines Lines AAAAAAAAAAAAAAAAAAAAAAAAA Total Total Total Total Total	XX	XXXX
5	of of of of of of of of of Five Five Five Five Five Lines Lines Lines Lines Lines AAAAAAAAAAAAAAAAAAAAAAAAA Total Total Total Total Total	XX	XXXXX
6	of of of of of of of of of Six Six Six Six Six Six Text Text Text Text Text Lines Lines Lines Lines Lines	XX	XXXXX

CONSTRUCTION NOTES

	Description	Unit	Quan
1	One Line	XX	X
2	Two Two Two Two Two Two Lines Lines Lines Lines Lines	XX	XX
3	Three Three Three Three Three Lines Lines Lines Lines Lines Total Total Total Total Total	XX	XXX
4	Total Total Total Total Total of of of of of of of of of Four Four Four Four Four Lines Lines Lines Lines Lines AAAAAAAAAAAAAAAAAAAAAAAAA Total Total Total Total Total	XX	XXXX
5	of of of of of of of of of Five Five Five Five Five Lines Lines Lines Lines Lines AAAAAAAAAAAAAAAAAAAAAAAAA Total Total Total Total Total	XX	XXXXX
6	of of of of of of of of of Six Six Six Six Six Six Text Text Text Text Text Lines Lines Lines Lines Lines	XX	XXXXX

Curve No.	Radius	Delta	Length	Tangent
1	2,222.22'	222°22'22"	222.22'	222.22'
2	2,222.22'	222°22'22"	222.22'	222.22'

Point No.	Station	Offset (ft)	Description
1	XX+XX.XX	XX.XX	XXXXX
2	XX+XX.XX	XX.XX	XXXXX



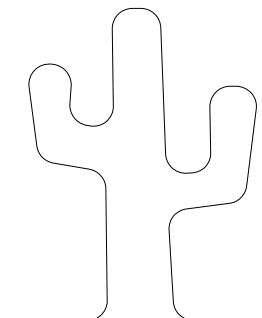
30% PRELIMINARY NOT FOR CONSTRUCTION
60% PRELIMINARY NOT FOR CONSTRUCTION
90% PRELIMINARY NOT FOR CONSTRUCTION
100% PRELIMINARY NOT FOR CONSTRUCTION

SAMPLE TEXT STYLES AND DIMENSIONS STYLES



CITY OF SCOTTSDALE

PUBLIC IMPROVEMENTS



COUNCIL

W.J. "JIM" LANE, MAYOR
 SUZANNE KLAPP
 VIRGINIA KORTE
 KATHY LITTLEFIELD
 LINDA MILHAVEN
 GUY PHILLIPS
 DAVID N. SMITH
CITY MANAGER
 FRITZ BEHRING
CITY ATTORNEY
 BRUCE WASHBURN
CITY CLERK
 CAROLYN JAGGER

"AS-BUILT" CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" IMPROVEMENTS AS SHOWN HEREON ARE LOCATED AS NOTED, AND THE LOCATIONS ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR _____ DATE _____

CITY OF SCOTTSDALE

REVIEWED AND RECOMMENDED APPROVAL BY:

PAVING	STRUCTURES
GRADING & DRAINAGE	BUILDING
WATER & SEWER	PLUMBING
TRAFFIC	MECHANICAL
PLANNING IMPROVEMENTS	ELECTRICAL
PLANNING FACILITIES	FIRE IMPROVEMENTS
LANDSCAPE	FIRE FACILITIES
NATIVE PLANT	

ENGINEERING COORDINATION MANAGER (OR DESIGNEE) _____ DATE _____

BUILDING OFFICIAL (OR DESIGNEE) _____ DATE _____



ENGINEER

COMPANY LOGO

NORTH 124TH STREET AND EAST CACTUS ROAD INTERSECTION AND MULTI-USE PATH IMPROVEMENTS

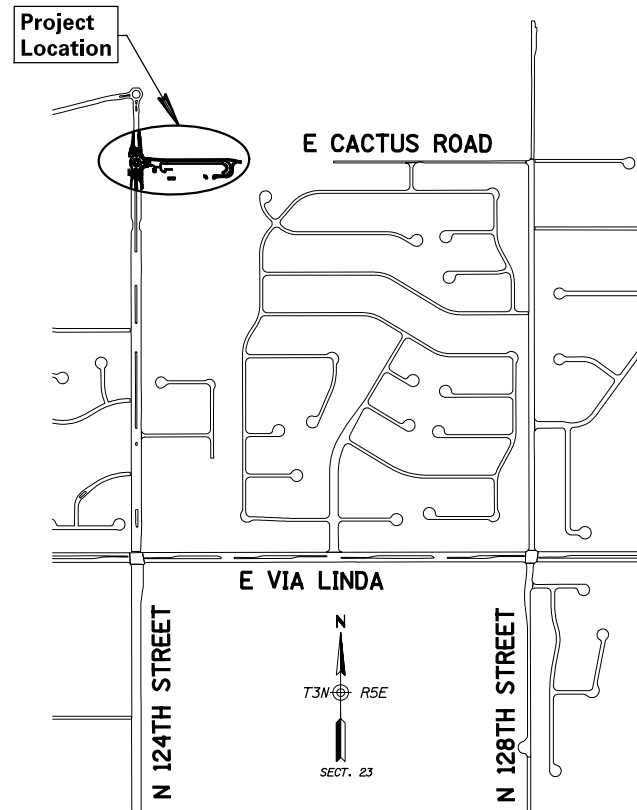
PROJECT NO. 1315

J.O.C. PROJECT



BENCH MARKS (COS NAVD '88)

- | No. | Description |
|-----|--|
| 1. | Elev. = 1630.18 GPS Point #8233
BCFL at East Via Linda & North 128th Street
N 942091.990 E 734095.009 |
| 2. | Elev. = 2160.80 GPS Point #8261
BCHH at Shea Boulevard & North 124th Street
N 939449.068 E 731462.524 |
| 3. | Horizontal and vertical control is based on the City of Scottsdale Datum, Holding GPS Pt. #8233. |
| 4. | Basis of Bearing is the City of Scottsdale datum holding the bearing between points #8233 to #8261, which bears S44°53'12"W. |



Vicinity Map
N.T.S.

SHEET INDEX

Sht. No.	Dwg. No.	Description
1	G1	COVER SHEET
2-4	G2-G4	NOTES & SECTIONS
5	C1	CONTROL
6	SD1	STORM DRAIN DETAIL
7	D1	DETAILS
8-10	P1-P3	PAVING PLAN & PROFILE
11	RG1	ROUNDBOUT GEOMETRICS
12-15	SK1-SK4	STAKING PLAN
16-18	L1-L3	LIGHTING PLAN
19	SS1	SIGNING & STRIPING
20-22	NP1-NP3	NATIVE PLANT INVENTORY
23	LS1	LANDSCAPE SUMMARY
24-26	LP1-LP3	LANDSCAPE PLAN
27-29	LD1-LD3	LANDSCAPE DETAILS
30-32	SM1-SM3	SURFACE MATERIAL PLAN

NO CONFLICT SIGNATURE BLOCK				
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
Electric	APS	Henry Miranda	602-371-6605	15 MAY 2015
Telephone	CenturyLink	Lance Holje	480-831-4871	4 MAY 2015
Natural Gas	Southwest Gas	Bernadette Smith	480-730-3857	23 APR 2015
Cable TV	Cox	Tres Clemons	623-328-2554	7 MAY 2015
Fiber-Optic	Crown Castle	Richard Algeria	602-576-0951	14 APR 2015
Water	City of Scottsdale	Doug Mann	480-312-5636	15 APR 2015
Sewer	City of Scottsdale	Doug Mann	480-312-5636	15 APR 2015

Engineer's Certification
 I, _____, as the Engineer of Record for this development, hereby certify that all utility companies listed above have been provided final improvement plans for review, and that all conflicts identified by the utilities have been resolved. In addition, "No Conflict" forms have been obtained from each utility company and are included in this submittal.

Signature _____ Date _____

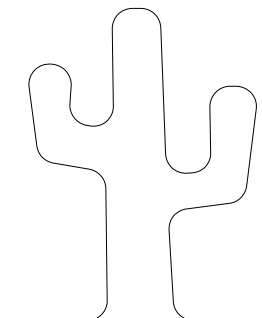
NORTH 124TH STREET AND EAST CACTUS ROAD INTERSECTION AND MULTI-USE PATH IMPROVEMENTS PROJECT NO. 1315 JOC PROJECT

City of Scottsdale approved plans shall be kept on the job site at all times during the course of construction.



CITY OF SCOTTSDALE

PUBLIC IMPROVEMENTS



COUNCIL

W.J. "JIM" LANE, MAYOR
 SUZANNE KLAPP
 VIRGINIA KORTE
 KATHY LITTLEFIELD
 LINDA MILHAVEN
 GUY PHILLIPS
 DAVID N. SMITH
CITY MANAGER
 FRITZ BEHRING
CITY ATTORNEY
 BRUCE WASHBURN
CITY CLERK
 CAROLYN JAGGER

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REGISTERED LAND SURVEYOR _____ DATE _____

CITY OF SCOTTSDALE

REVIEWED AND RECOMMENDED APPROVAL BY:

PAVING	STRUCTURES
GRADING & DRAINAGE	BUILDING
WATER & SEWER	PLUMBING
TRAFFIC	MECHANICAL
PLANNING IMPROVEMENTS	ELECTRICAL
PLANNING FACILITIES	FIRE IMPROVEMENTS
LANDSCAPE	FIRE FACILITIES
NATIVE PLANT	

ENGINEERING COORDINATION MANAGER (OR DESIGNEE) _____ DATE _____

BUILDING OFFICIAL (OR DESIGNEE) _____ DATE _____

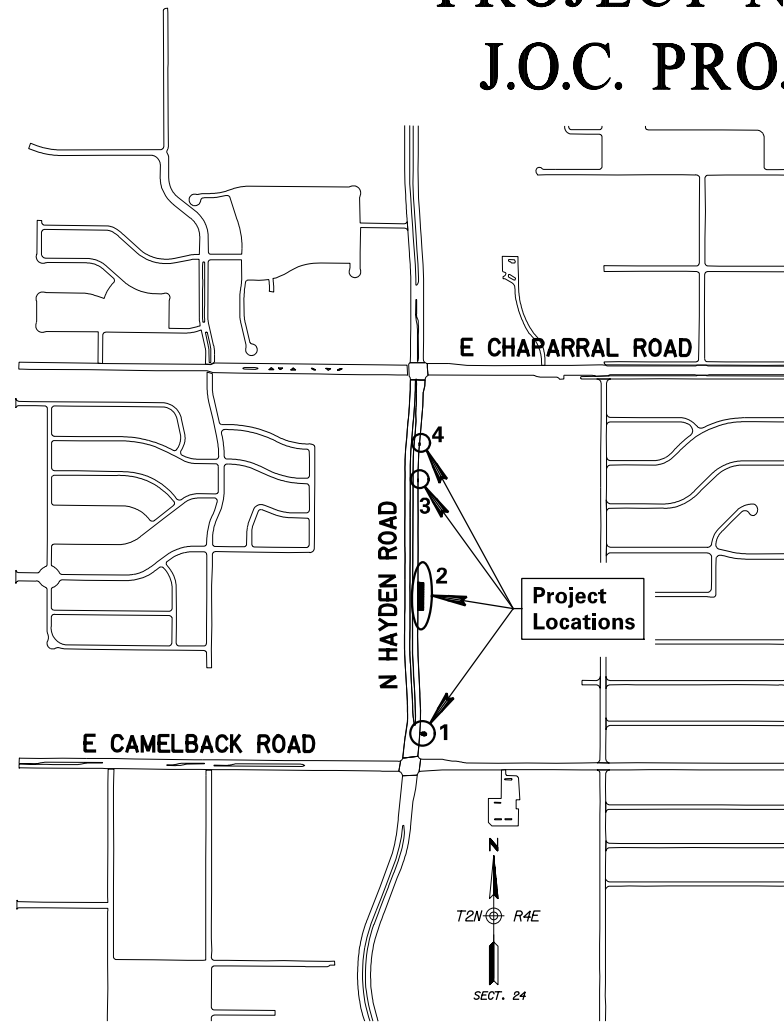


ENGINEER

COMPANY LOGO

HAYDEN ROAD EROSION CONTROL PROJECT NO. 1510

J.O.C. PROJECT



Vicinity Map
N.T.S.



SHEET INDEX

Sht. No.	Dwg. No.	Description
1	G1	COVER SHEET
2	G2	GENERAL NOTES
3	D1	CONCRETE SCUPPER DETAIL
4	P1	PLAN SHEET (LOCATION 1)
5	P2	PLAN SHEET (LOCATION 2&3)
6	P3	PLAN SHEET (LOCATION 4)

NO CONFLICT SIGNATURE BLOCK

Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
Electric	SRP	Jolie Donahue	602-236-3782	27 JAN 2015
Electric	APS	Jeanne-Marie Hornell	480-258-0330	20 JAN 2015
Telephone	Century Link	Karen Brown	480-768-4398	18 MAR 2015
Natural Gas	Southwest Gas	Will Fielder	480-730-3855	9 JAN 2015
Cable TV	Cox	Travis Curry	623-328-3519	6 FEB 2015

Engineer's Certification

I, _____, as the Engineer of Record for this development, hereby certify that all utility companies listed above have been provided final improvement plans for review, and that all conflicts identified by the utilities have been resolved. In addition, "No Conflict" forms have been obtained from each utility company and are included in this submittal.

Signature _____

Date _____

HAYDEN ROAD EROSION CONTROL PROJECT NO. 1510 J.O.C. PROJECT

DR/STAFF APPROVAL NO.

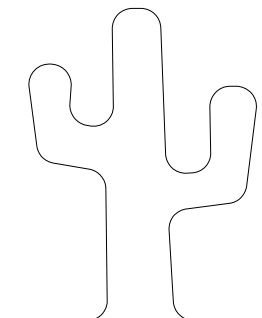
PLAN REVIEW NO.

City of Scottsdale approved plans shall be kept on the job site at all times during the course of construction.



CITY OF SCOTTSDALE

PUBLIC IMPROVEMENTS



COUNCIL

W.J. "JIM" LANE, MAYOR
 SUZANNE KLAPP
 VIRGINIA KORTE
 ROBERT W. LITTLEFIELD
 LINDA MILHAVEN
 GUY PHILLIPS
 DENNIS E. ROBBINS
CITY MANAGER
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CITY ATTORNEY
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CITY CLERK
 CAROLYN JAGGER

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REGISTERED LAND SURVEYOR _____ DATE _____

CITY OF SCOTTSDALE

REVIEWED AND RECOMMENDED APPROVAL BY:

PAVING	STRUCTURES
GRADING & DRAINAGE	BUILDING
WATER & SEWER	PLUMBING
TRAFFIC	MECHANICAL
PLANNING IMPROVEMENTS	ELECTRICAL
PLANNING FACILITIES	FIRE IMPROVEMENTS
LANDSCAPE	FIRE FACILITIES
NATIVE PLANT	

ENGINEERING COORDINATION MANAGER (OR DESIGNEE) _____ DATE _____

BUILDING OFFICIAL (OR DESIGNEE) _____ DATE _____

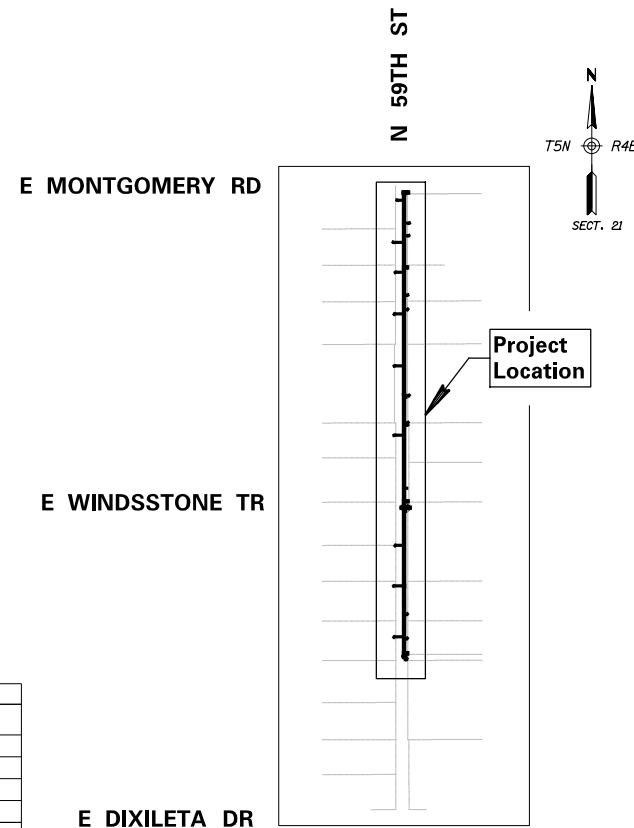


ENGINEER

COMPANY LOGO

NORTH 59TH STREET WATERLINE REPLACEMENT

PROJECT NO. 1520



Vicinity Map
N.T.S.



SHEET INDEX

Sht. No.	Dwg. No.	Description
1	G1	COVER SHEET
2	G2	NOTES & LEGEND
3	G3	SHEET INDEX
4	G4	DETAILS
5	G5	QUANTITIES
6-11	W1-6	WATERLINE PLAN & PROFILE

NO CONFLICT SIGNATURE BLOCK				
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
Electric	APS	Henry Miranda	602-371 6605	
Telephone	Century Link	John Nevlis	602-630 6891	
Natural Gas	Southwest Gas	---	---	
Cable TV	COX	Tres Clemons	623-328 3554	

Engineer's Certification
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Signature _____ Date _____

Maricopa County Environmental Services Department
 Water and Waste Management Division

Certificate of Approval to Construct

MCESD Approval No. _____

The authorized representative from Maricopa County Environmental Services Department Water and Waste Water Management Division hereby acknowledge or have acknowledge they have reviewed and approved the design shown by these drawings.

Signature _____ Date _____

NORTH 59TH STREET WATERLINE REPLACEMENT
PROJECT NO. 1520 BID NO.

DR/STAFF APPROVAL NO.

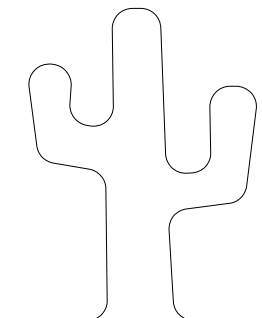
PLAN REVIEW NO.

City of Scottsdale approved plans shall be kept on the job site at all times during the course of construction.



CITY OF SCOTTSDALE

PUBLIC IMPROVEMENTS



COUNCIL

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REGISTERED LAND SURVEYOR _____ DATE _____

CITY OF SCOTTSDALE

REVIEWED AND RECOMMENDED APPROVAL BY:

PAVING	STRUCTURES
GRADING & DRAINAGE	BUILDING
WATER & SEWER	PLUMBING
TRAFFIC	MECHANICAL
PLANNING IMPROVEMENTS	ELECTRICAL
PLANNING FACILITIES	FIRE IMPROVEMENTS
LANDSCAPE	FIRE FACILITIES
NATIVE PLANT	

ENGINEERING COORDINATION MANAGER (OR DESIGNEE) _____ DATE _____

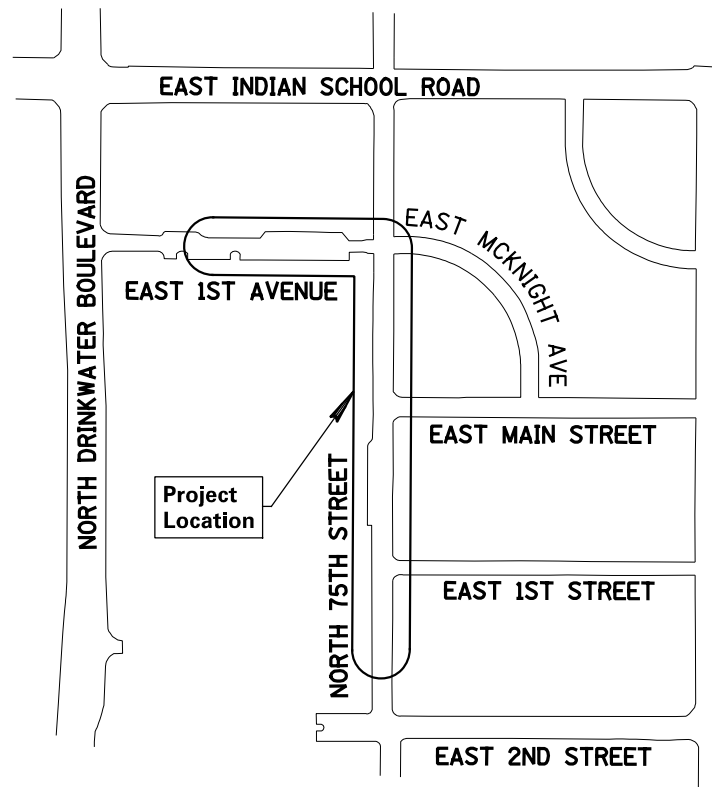
BUILDING OFFICIAL (OR DESIGNEE) _____ DATE _____



ENGINEER

COMPANY LOGO

1ST AVENUE-75TH STREET FIBER-OPTIC INSTALLATION PROJECT NO. 1435 J.O.C. PROJECT



SHEET INDEX

Sht. No.	Dwg. No.	Description
1	G1	COVER SHEET
2	G2	GENERAL NOTES
3-5	P1-P3	PLAN SHEETS

NO CONFLICT SIGNATURE BLOCK				
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
Electric	APS	Henry Meranda	602-371-6605	7 JUN 15
Telephone	Century Link	Telephone	Telephone	Telephone
Natural Gas	Southwest Gas	Bernadette Smith	480-730-3857	9 JUN 15
Cable TV	Cox	Travis Curry	623-328-3519	25 JUN 15
Water	City of Scottsdale	Doug Mann	480-312-6536	
Sewer	City of Scottsdale	Doug Mann	480-312-6536	

Engineer's Certification
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Signature _____ Date _____

1ST AVENUE-75TH STREET-2ND STREET FIBER-OPTIC
 INSTALLATION PROJECT NO. 1435 J.O.C. PROJECT

DR/STAFF APPROVAL NO.

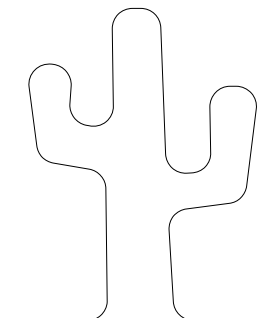
PLAN REVIEW NO. 848-13

City of Scottsdale approved plans shall be kept on the job site at all times during the course of construction.



CITY OF SCOTTSDALE

PUBLIC IMPROVEMENTS



COUNCIL

W.J. "JIM" LANE, MAYOR
 SUZANNE KLAPP
 VIRGINIA KORTE
 KATHY LITTLEFIELD
 LINDA MILHAVEN
 GUY PHILLIPS
 DAVID N. SMITH
CITY MANAGER
 FRITZ BEHRING
CITY ATTORNEY
 BRUCE WASHBURN
CITY CLERK
 CAROLYN JAGGER

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REGISTERED LAND SURVEYOR _____ DATE _____

CITY OF SCOTTSDALE

REVIEWED AND RECOMMENDED APPROVAL BY:

PAVING	STRUCTURES
GRADING & DRAINAGE	BUILDING
WATER & SEWER	PLUMBING
TRAFFIC	MECHANICAL
PLANNING IMPROVEMENTS	ELECTRICAL
PLANNING FACILITIES	FIRE IMPROVEMENTS
LANDSCAPE	FIRE FACILITIES
NATIVE PLANT	

ENGINEERING COORDINATION MANAGER (OR DESIGNEE) _____ DATE _____

BUILDING OFFICIAL (OR DESIGNEE) _____ DATE _____



ENGINEER

COMPANY LOGO

SCOTTSDALE ROAD - EAST DIXILETA DRIVE AND EAST ASHLER HILLS DRIVE - TRAIL IMPROVEMENT PROJECT

PROJECT NO. 1505

J.O.C. PROJECT



SHEET INDEX

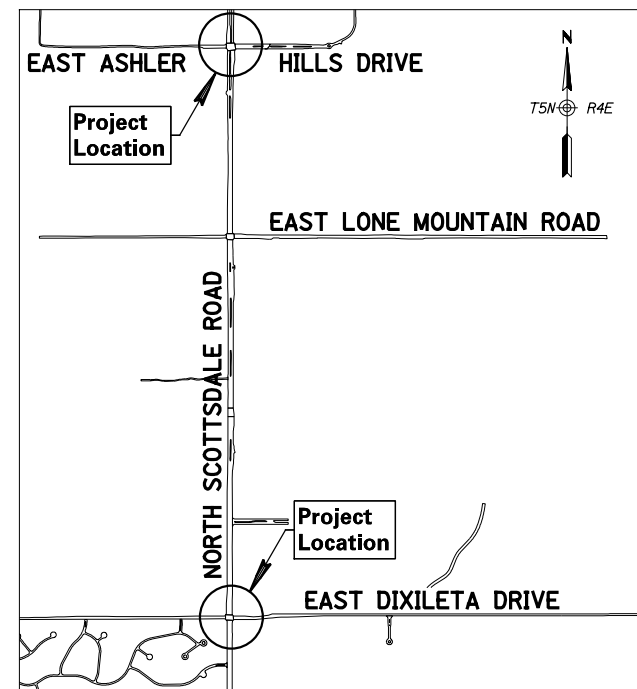
Sht. No.	Dwg. No.	Description
1	G1	COVER SHEET
2	G2	NOTES & SECTIONS
3	D1	RETAINING WALL DETAIL
4-6	P1-P3	PAVING PLAN
7-8	PM1-PM2	PAVEMENT MARKING & TRAFFIC SIGNALS
9-11	SK1-SK3	STAKING PLAN

BENCH MARKS (COS NAVD '88), CONTROL & BASIS OF BEARING

No.	Description
1.	Elev. = 2219.93 GPS Point #1222 BCHH at Scottsdale Road & Lone Mountain Road N 1007790.129 E 697188.058
2.	Elev. = 2160.80 GPS Point #1272 BCHH at Scottsdale Road & Dixileta Road N 1002504.080 E 697185.843
3.	Horizontal and vertical control is based on the City of Scottsdale Datum, Holding GPS Pt. #1222.
4.	Basis of Bearing is the City of Scottsdale datum holding the bearing between points #1222 to #1272, which bears S00°01'26"W.

NO CONFLICT SIGNATURE BLOCK				
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
Electric	APS	Henry Miranda	602-371-6605	22 AUG 2015
Telephone	CenturyLink	John Nevils	480-800-7788	9 SEP 2015
Natural Gas	Southwest Gas	Bernadette Smith	480-730-3857	20 AUG 2015
Cable TV	Cox	Tres Clemons	623-328-3554	19 AUG 2015
Fiber-Optic	Zayo	Robert Garcia	602-210-6806	18 AUG 2015
Water	City of Scottsdale	Doug Mann	480-312-5636	20 AUG 2015
Sewer	City of Scottsdale	Doug Mann	480-312-5636	20 AUG 2015

Engineer's Certification
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 Signature _____ Date 5 OCT 2015



Vicinity Map
N.T.S.

City of Scottsdale approved plans shall be kept on the job site at all times during the course of construction.

SCOTTSDALE ROAD - EAST DIXILETA DRIVE AND EAST ASHLER HILLS DRIVE TRAIL IMPROVEMENT PROJECT PROJECT NO. 1505 J.O.C. PROJECT

DR/STAFF APPROVAL NO.

PLAN REVIEW NO.

DESIGN FILE: P:\COS Sample Plan\General Notes & Typical Sections\Anasazi_G2.dgn
 PLOT DATE: 4/18/2018 3:55:12 PM

GENERAL CONSTRUCTION NOTES FOR CAPITAL PROJECTS

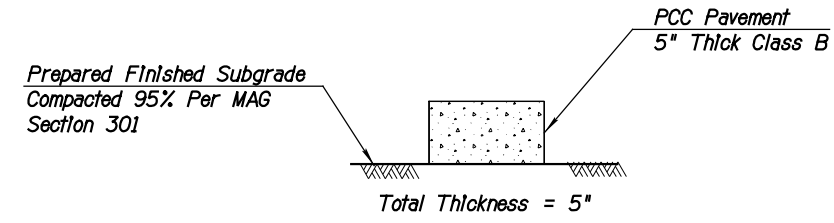
- All Improvement construction shall comply with the latest Maricopa County Association of Governments Standard Specifications and Details for Public Works Construction as amended by the latest version of the City of Scottsdale Supplemental Standard Specifications and Details and City of Scottsdale's Design Standards & Policies Manual (DS&PM). If there is a conflict, the latter shall apply. All facilities construction shall comply with the 2012 IBC, 2012 IPC, 2012 IMC, 2012 IFC and the 2011 NEC.
- The engineering designs on these plans are approved by the City in scope and not in detail. If construction quantities are shown on these plans, they are not verified by the City.
- Based on the information submitted on the plans and associated documents, the City has reviewed and found them to be in accordance with the City's Municipal Code and are acceptable for permit issuance. This acceptance by the City does not authorize violations of any applicable code, ordinance or standard as adopted by the Municipal Code.
- Approval of the plans by the City is valid for six months. If a permit for the construction has not been issued within six months of review, the plans shall be resubmitted to the City for reapproval.
- Any deviation from the approved plans shall be reviewed and approved by the City prior to that change being incorporated into the project.
- A City Capital Projects Inspector will inspect all work within the City rights-of-way, easements and facilities.
- Any Special Inspection required shall be in addition to any routine inspection by the City.
- City encroachment and building permits are required for work in public rights-of-way, easements granted for public purposes and facilities. Permits will be issued by the City through the City's One Stop Shop. Copies of all permits shall be retained on-site and shall be available for inspection at all times. Failure to produce the required permits will result in immediate work stoppage until the proper permit documentation is obtained.
- The contractor shall be responsible for obtaining all necessary permits for salvaging protected native plants prior to the start of construction.
- Wherever excavation is done contact the Blue Stake Center at (602) 263-1100 two working days before excavation is to begin. The Center will see that the location of the underground utility lines is identified for the project.
- All excavation and grading which is not in public rights-of-way or in easements granted for public purposes must conform to Section 1803 and Appendix J of the 2012 edition of the International Building Code prepared by the International Code Council. A permit for this grading must be secured from the City.
- Thrust restraint, where required, on all City water lines shall be provided using Megalug mechanical joint restraints or City-approved equal.
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GENERAL UTILITY NOTES

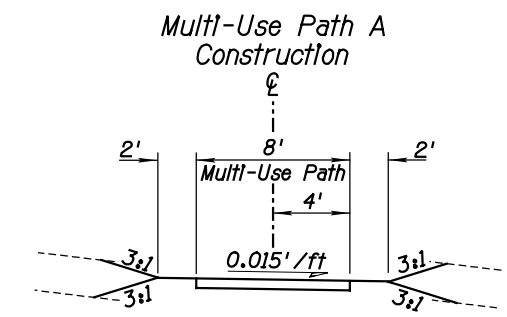
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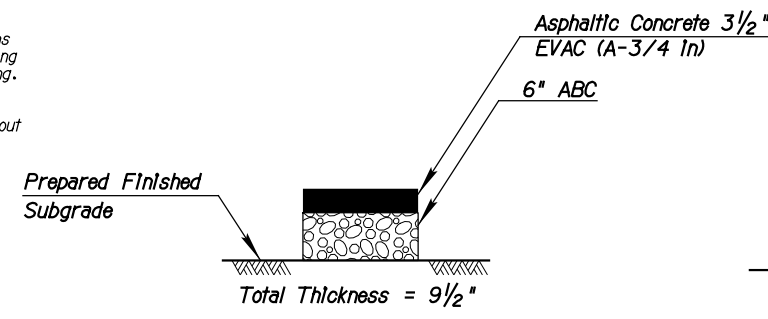
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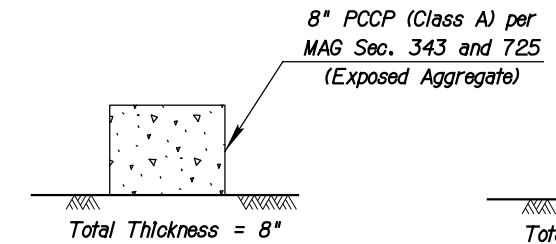
CONCRETE MULTI-USE PATH STRUCTURAL SECTION



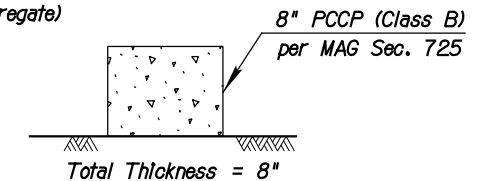
TYPICAL SECTION
Multi-Use Path A
Sta 100+00 to 100+89



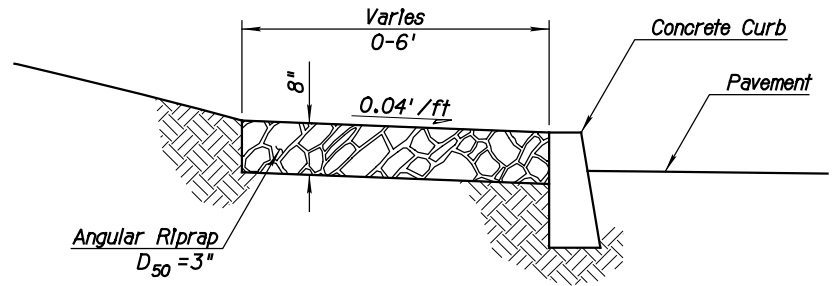
PAVEMENT STRUCTURAL SECTION NO. 1



PAVEMENT STRUCTURAL SECTION NO. 2



PAVEMENT STRUCTURAL SECTION NO. 3



RIPRAP APRON SECTION NO. 4

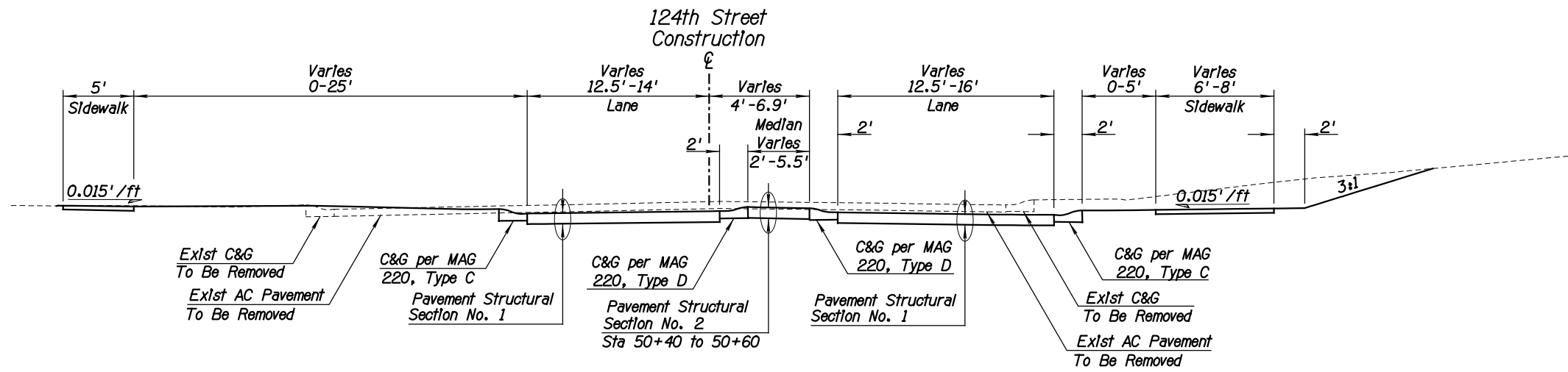
Note:
Angular Rip shall be plated or keyed to create a level surface. See surface material plans for quantity and color.



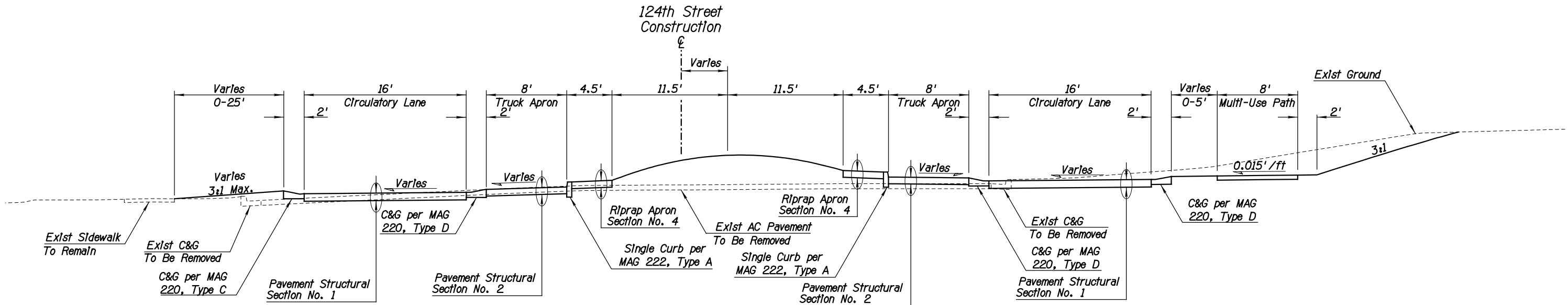
MULTI-USE PATH NOTES

- Path construction per MAG section 340 and City of Scottsdale supplemental to MAG uniform standard specifications.
- Expansion joint per MAG Detail 230 with a maximum spacing of 50'.
- Contraction joint shall be saw cut to 1/3 slab depth, 0.25" wide, and conform to MAG Section 324.

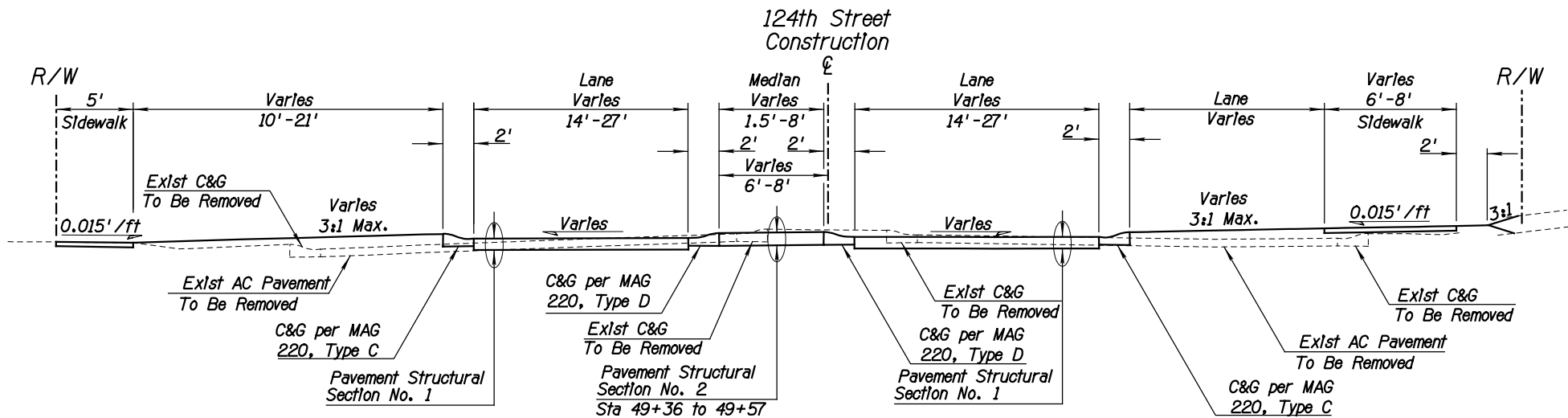
DATE	REVISION	BY
PUBLIC WORKS CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
NOTES & TYPICAL SECTION		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. NA	SP	MM/DD/YYYY
VERT. NA	SP	AS-BUILT
BID NO.		SHT.
PROJECT NO.		10 OF 39
XXXX		



TYPICAL SECTION
124TH STREET
Sta 50+40 to 50+95



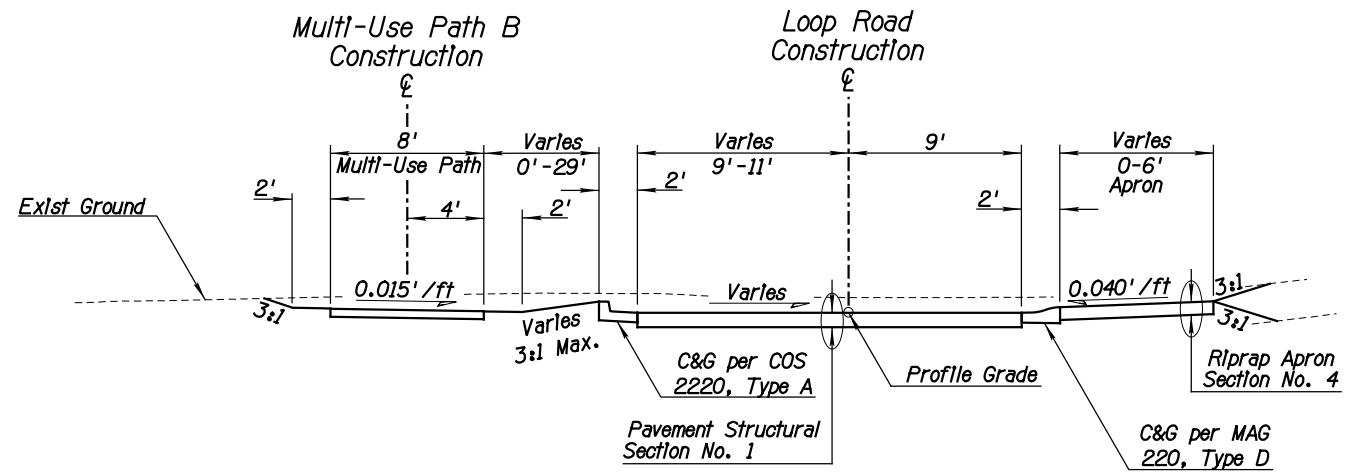
TYPICAL SECTION
124TH STREET
ROUNDBOUT



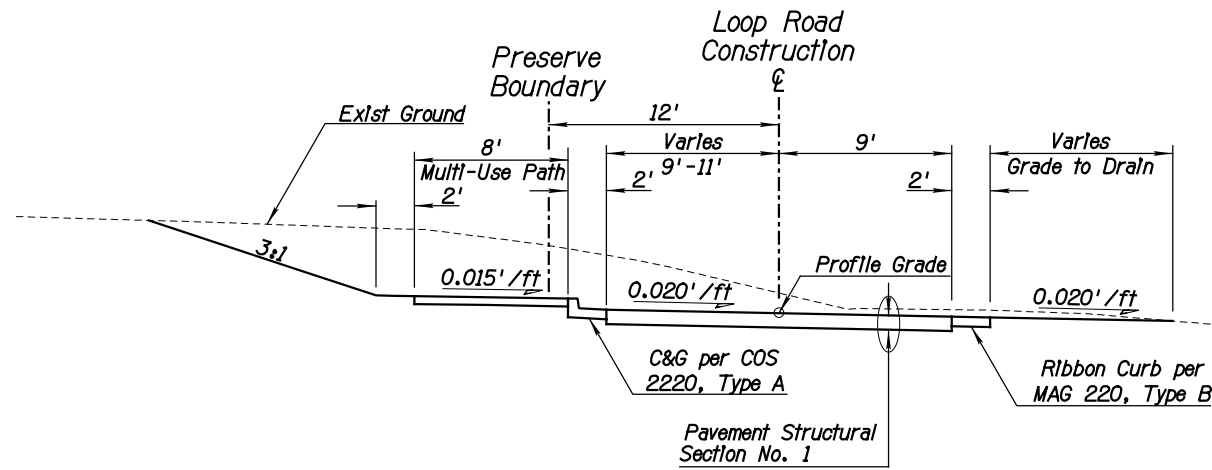
TYPICAL SECTION
124TH STREET
Sta 48+25 to 49+57

DATE	REVISION	BY
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
PROJECT TITLE TYPICAL SECTION SAMPLE PLAN SET		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SCALE	DESIGNED	DATE
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VERT. NA	SP	AS-BUILT
		BID NO.
		PROJECT NO.
		XXXX
		SHT.
		G3
		11 OF 39

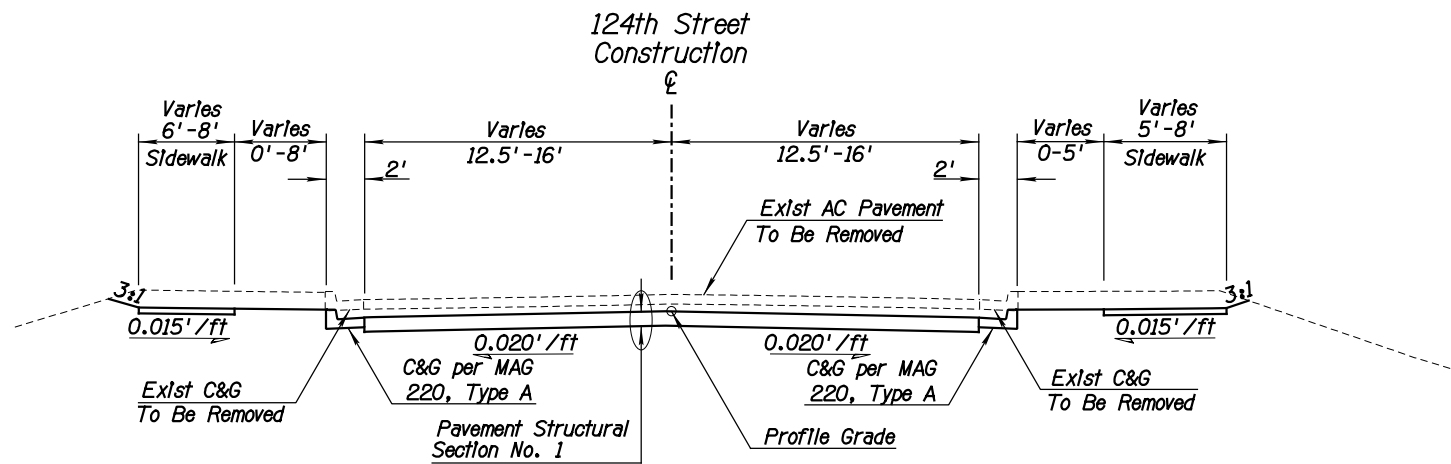




TYPICAL SECTION
 LOOP ROAD
 Sta 15+89 to 16+94




TYPICAL SECTION
 LOOP ROAD
 Sta 11+06 to 15+89



TYPICAL SECTION
 124TH STREET
 Sta 50+95 to 52+00



DATE	REVISION	BY
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
TYPICAL SECTION		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. NA	SP	MM/DD/YYYY
VERT. NA	SP	AS-BUILT
		BID NO.
		PROJECT NO.
		XXXX
		SHT. G4
		12 OF 39

DESIGN FILE: P:\COS Sample Plan\General Notes & Typical Sections\FLW&Sweetwater-G2.dgn PLOT DATE: 4/18/2018 3:56:34 PM

GENERAL CONSTRUCTION NOTES FOR CAPITAL PROJECTS

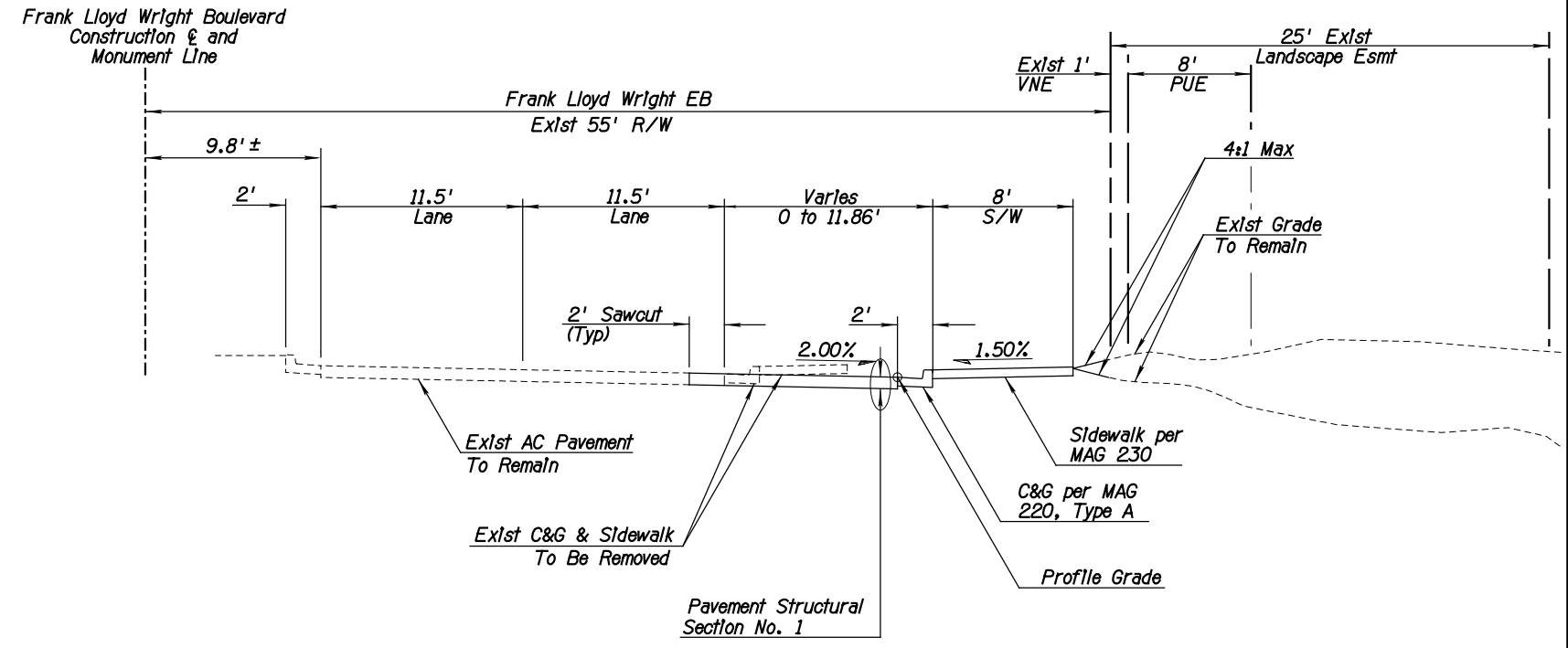
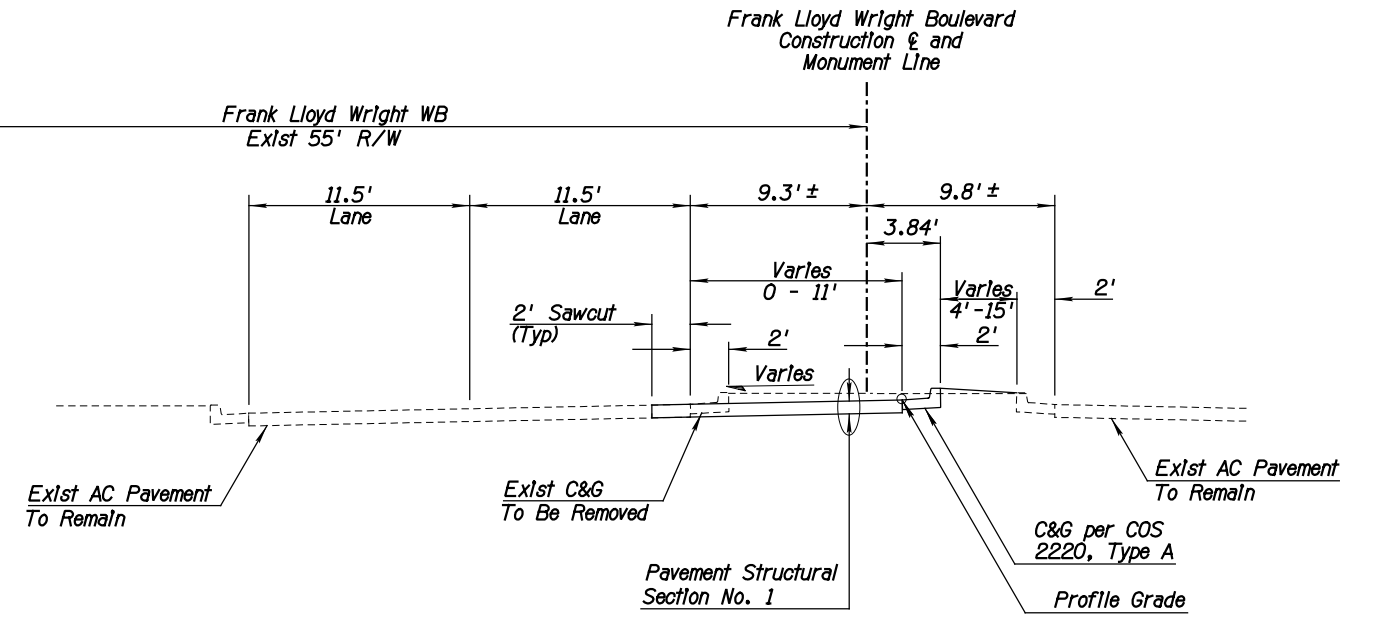
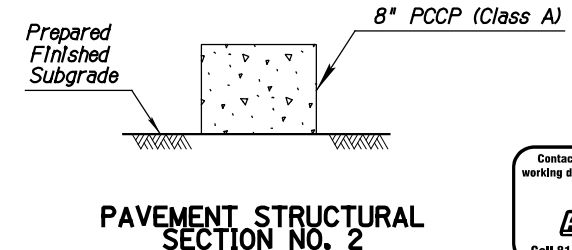
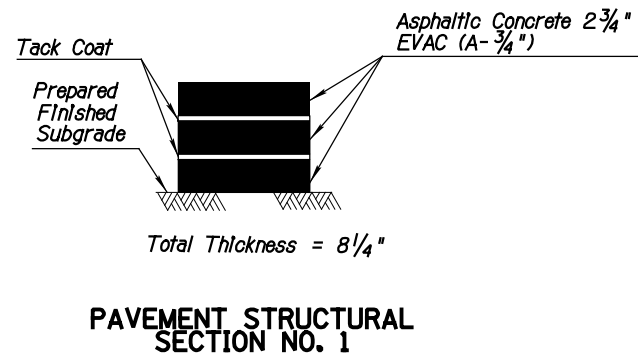
- All Improvement construction shall comply with the latest Maricopa County Association of Governments Standard Specifications and Details for Public Works Construction as amended by the latest version of the City of Scottsdale Supplemental Standard Specifications and Details and City of Scottsdale's Design Standards & Policies Manual (DS&PM). If there is a conflict, the latter shall apply. All facilities construction shall comply with the 2006 IBC, 1994 UPC, 2006 IMC, 2006 IFC and the 2005 NEC.
- The engineering designs on these plans are approved by the City in scope and not in detail. If construction quantities are shown on these plans, they are not verified by the City.
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PUBLIC WORKS CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
NOTES & TYPICAL SECTIONS		
SAMPLE PLAN SET		
SCALE	DESIGNED SP	DATE
HORIZ. 1"=5'	MM/DD/YYYY	AS-BUILT
VERT. N/A	DRAWN SP	BID NO.
		PROJECT NO. XXXXX
		SHT. G2
		13 OF 39



GENERAL CONSTRUCTION NOTES FOR CAPITAL PROJECTS

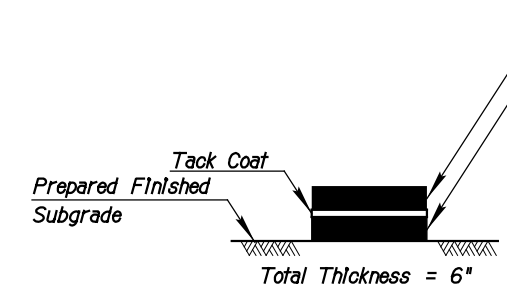
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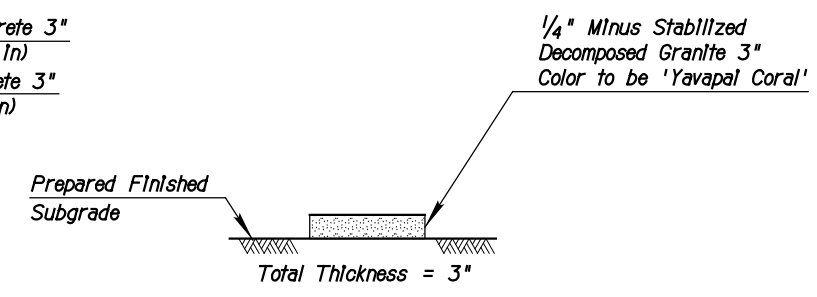
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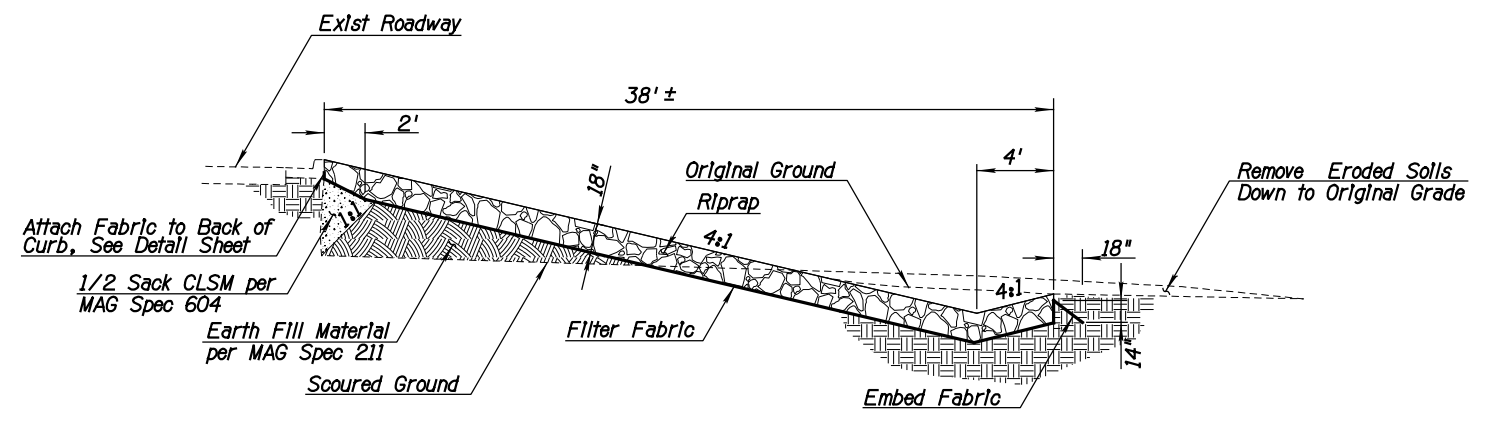
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PAVEMENT STRUCTURAL SECTION NO. 1



PAVEMENT STRUCTURAL SECTION NO. 2



WASH-OUT REPAIR SECTION



DATE	REVISION	BY
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
Expires MM/DD/YEAR		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE NOTES & TYPICAL SECTION		
PROJECT TITLE SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. NA	SP	MM/DD/YYYY
VERT. NA	SP	AS-BUILT
BID NO.		SHI. G2
PROJECT NO. XXXX		14 OF 39

DESIGN FILE: P:\COS Sample Plan\General Notes & Typical Sections\TP&100_G2.dgn PLOT DATE: 4/19/2018 7:55:30 AM

GENERAL CONSTRUCTION NOTES FOR CAPITAL PROJECTS

- All Improvement construction shall comply with the latest Maricopa County Association of Governments Standard Specifications and Details for Public Works Construction as amended by the latest version of the City of Scottsdale Supplemental Standard Specifications. If there is a conflict, the latter shall apply. All facilities construction shall comply with the 2006 IBC, 2006 IPC, 2006 IMC, 2006 IFC and the 2005 NEC.
- The engineering designs on these plans are approved by the City in scope and not in detail. If construction quantities are shown on these plans, they are not verified by the City.
- Based on the information submitted on the plans and associated documents, the City has reviewed and found them to be in accordance with the City's Municipal Code and are acceptable for permit issuance. This acceptance by the City does not authorize violations of any applicable code, ordinance or standard as adopted by the Municipal Code.
- Approval of the plans by the City is valid for six months. If a permit for the construction has not been issued within six months of review, the plans shall be resubmitted to the City for reapproval.
- Any deviation from the approved plans shall be reviewed and approved by the City prior to that change being incorporated into the project.
- A City Capital Projects Inspector will inspect all work within the City rights-of-way, easements and facilities.
- Any special inspection required shall be in addition to any routine inspection by the City.
- City encroachment and building permits are required for work in public rights-of-way, easements granted for public purposes and facilities. Permits will be issued by the City through the City's One Stop Shop. Copies of all permits shall be retained on-site and shall be available for inspection at all times. Failure to produce the required permits will result in immediate work stoppage until the proper permit documentation is obtained.
- The contractor shall be responsible for obtaining all necessary permits for salvaging protected native plants prior to the start of construction.
- Wherever excavation is done contact the Blue Stake Center at (602) 263-1100 two working days before excavation is to begin. The Center will see that the location of the underground utility lines is identified for the project.
- All excavation and grading which is not in public rights-of-way or in easements granted for public purposes must conform to Section 1803 and Appendix J of the 2006 edition of the International Building Code prepared by the International Code Council. A permit for this grading must be secured from the City.
- Thrust restraint, where required, on all City water lines shall be provided using Megalug mechanical joint restraints or City-approved equal.
- Any asphalt mix design used on City projects shall appear on the "Approved List of Asphalt Mixes" as distributed by the East Valley Asphalt Committee (EVAC).
- The contractor shall be responsible to remove and replace, at no additional cost to the City, any and all pavement, sidewalk, curb and gutter, drainage structures, etc. outside the pay limit that are damaged due to their activities on the project. This includes, but is not limited to, the removal and replacement of newly cracked roadway infrastructure, the removal and replacement of existing cracked roadway infrastructure where the cracks have been enlarged due to the Contractor's operations, the removal and replacement of deformed roadway infrastructure. All sawcuts used for the removal of these items shall be perpendicular and parallel to the centerline controlling that item, or at the direction of the City's Capital Projects Inspector.
- All Capital Improvement Projects shall have temporary/security fencing around the perimeter of construction sites.

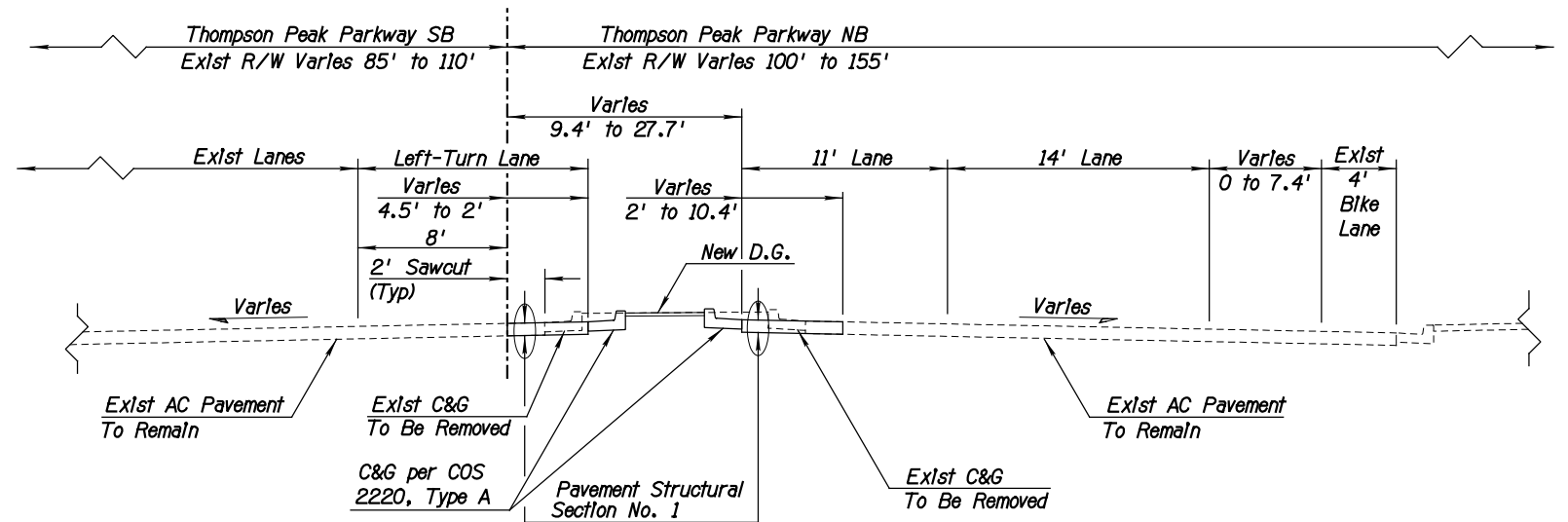
GENERAL UTILITY NOTES

- Contractor is advised that the location, number, and type of utilities shown on these plans and specifications are only as accurate as the best information available from public utilities, owners, and users at the time these plans and specifications were prepared. Underground utilities may be present on this project which were not disclosed to the engineer. No representation is made that the utility locations indicated on these plans are accurate, complete, or exclusive. Contractor is advised to undertake their own investigation of existing conditions before submitting a proposal on this project. The contractor is responsible for the cost of all test pits or other pre-construction investigation of underground utilities or structure. Pursuant to Ariz. Rev. Stat. 40-360.21, the contractor must contact "Blue Stake" at 602-263-1100 or the appropriate public utility for appurtenances prior to construction.
- By submitting a proposal on this project, Contractor is representing that they have considered the potential impact of temporary or permanent relocation of existing underground utilities located within the project on their costs, and they have included in their proposals the cost of finding, protecting, and relocating all existing utilities within the project. No additional compensation or damages will be paid for any cost, loss, damage, hindrance, or delay incurred by a contractor or subcontractor due to conflicts with existing utilities; regardless of whether or not those utilities are indicated on the plans and specifications for this project.
- The sole and exclusive remedy for any cost, hindrance, or delay assistance in locating underground facilities, lines, and caused by any utilities located within the project (whether or not indicated on the plans and specifications) shall be an extension of the contract time; the need or duration of which shall be determined by the owner at its sole discretion.

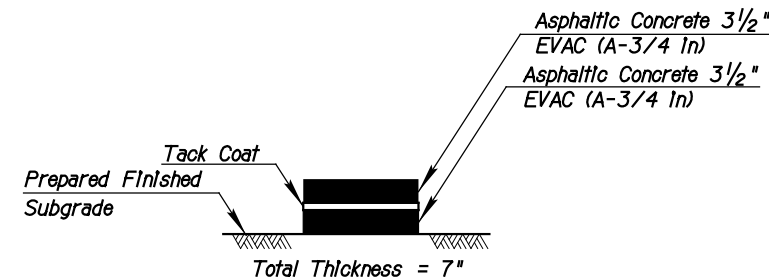
GENERAL NOTES FOR SIGNING & PAVEMENT MARKING

- All pavement markings, signing, and work zone traffic control type and layout need to conform to the latest edition of the Manual on Uniform Traffic Control Devices, <http://mutcd.fhwa.dot.gov/Index.htm>.
- Work zone traffic control needs to conform to the City of Phoenix "Traffic Barricade Manual" and/or as directed by the City Public Works Inspector or Traffic Engineering Division.
- Signs are to be installed on telescopic prepunched square steel tubing posts per COS Standard Detail No. 2131, www.ScottsdaleAZ.gov/design/COSMAGSupp.
- Dimensions to signs need to include the sign post, or in the case of multiple posts, the plan view center of the sign.
- "No Parking" signs shall only be used when the following site conditions exist:
 - When any right hand lane (curb lane) is 16 feet or wider, or if a paved shoulder area is present.
 - Where on-street parking could be expected to occur, such as commercial areas where businesses have direct frontage on the street.
 When the above criteria exists "No Parking" signs (R8-3a 12"x18") with an arrow (single direction or bi-directional) below the "P" symbol on the sign to designate the direction of the restriction shall be installed approximately every 350-400 feet along the length of the project. No parking signs shall be installed approximately 5 feet from the back of curb at a 45 degree angle to the curb. Street light poles should be used for sign mounting when a light pole is within 50 feet of the proposed sign location.
- All longitudinal striping (edge line, lane line, and centerline) shall be 0.090" (90 mil) extruded thermoplastic, unless otherwise noted on the plans.
- All transverse striping (stop lines, crosswalk lines) shall be a minimum of 0.090" (90 mil) extruded thermoplastic, unless noted otherwise on the plans.
- All plan view striping dimensions are measured to the center of the line or center of the double line.
- All pavement symbols, arrows and legends shall be Type 1 permanent, high performance pre-formed pavement tape. (Tape must perform as 3M 3801-ES series or equivalent.)
- Raised pavement markers (RPMs) shall be used on all striped streets. RPMs shall be installed per COS Standard Detail No. 2132, www.ScottsdaleAZ.gov/design/COSMAGSupp, and ADOT Standard Drawing M-19, with a City approved bituminous adhesive.
- Blue Type F (2-way reflective) RPMs shall be used to indicate the location of all fire hydrants and remote fire department connections, per COS Standard Detail No. 2363, www.ScottsdaleAZ.gov/design/COSMAGSupp.
- All existing pavement markings that conflict with proposed markings shall be removed by diamond grinding. After removal, all affected areas shall be resealed with an approved quick setting emulsion prior to the installation of new pavement markings. Removals shall be to the satisfaction of the City Inspector.
- ASTM Type IV Sheeting (minimum) shall be used for all warning and regulatory and street name signs. All advance street name and metro signs shall be proposed Type XI sheeting. School warning signs and accompanying placards must be ASTM proposed Type XI fluorescent yellow green sheeting.
- The contractor is responsible for layout of all pavement markings using control points spaced no more than 50 feet apart. Pavement marking layout shall be approved by Traffic Engineering prior to the application of the final product. All pavement marking drawings are schematic only. The contractor shall follow all dimensions, details, and standards when installing pavement striping, marking and markers.

Thompson Peak Parkway Construction & Monument Line



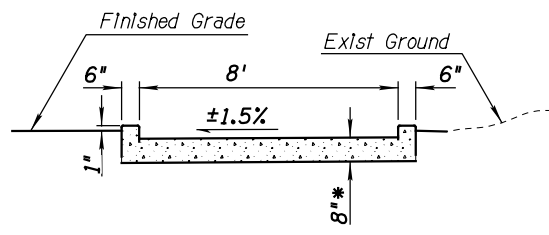
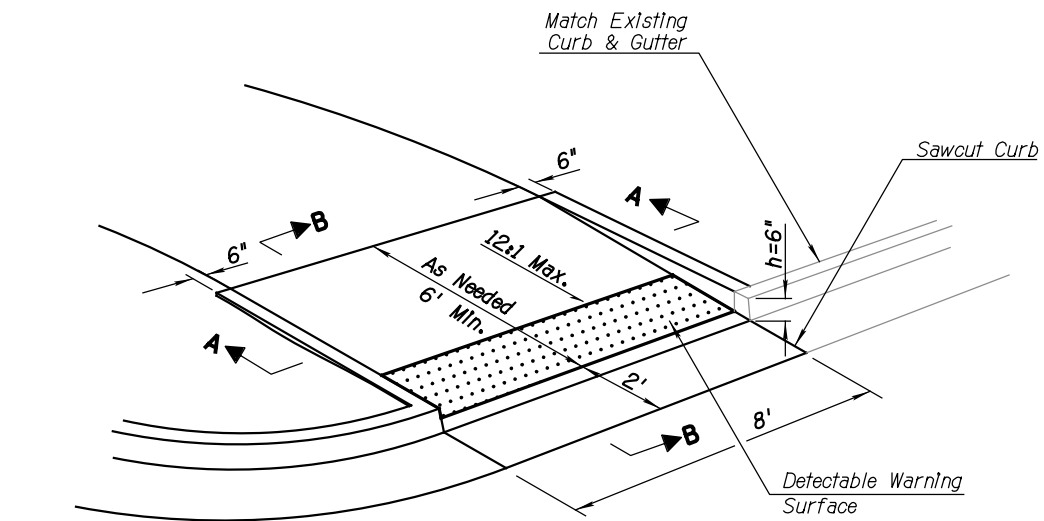
TYPICAL SECTION
THOMPSON PEAK PARKWAY
STA 20+50.37 to 24+22.31



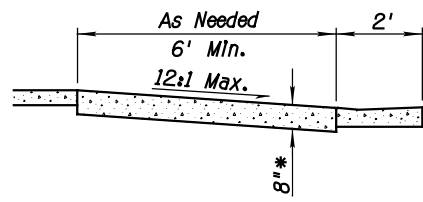
PAVEMENT STRUCTURAL SECTION NO. 1



DATE	REVISION	BY
PUBLIC WORKS		
CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
Expires MM/DD/YEAR SHEET TITLE: NOTES & TYPICAL SECTION		
PROJECT TITLE: SAMPLE PLAN SET		
SCALE: NA	DESIGNED: SP	DATE: MM/DD/YYYY
HORIZ. NA	DRAWN: SP	AS-BUILT
VERT. NA		
		BID NO. XXXX
		SHT. G2
		15 OF 39



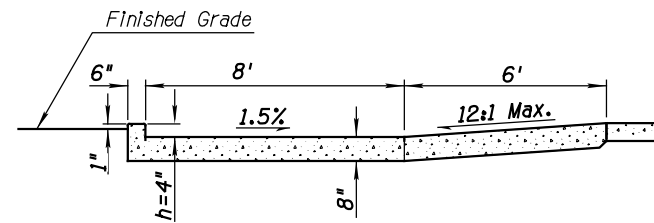
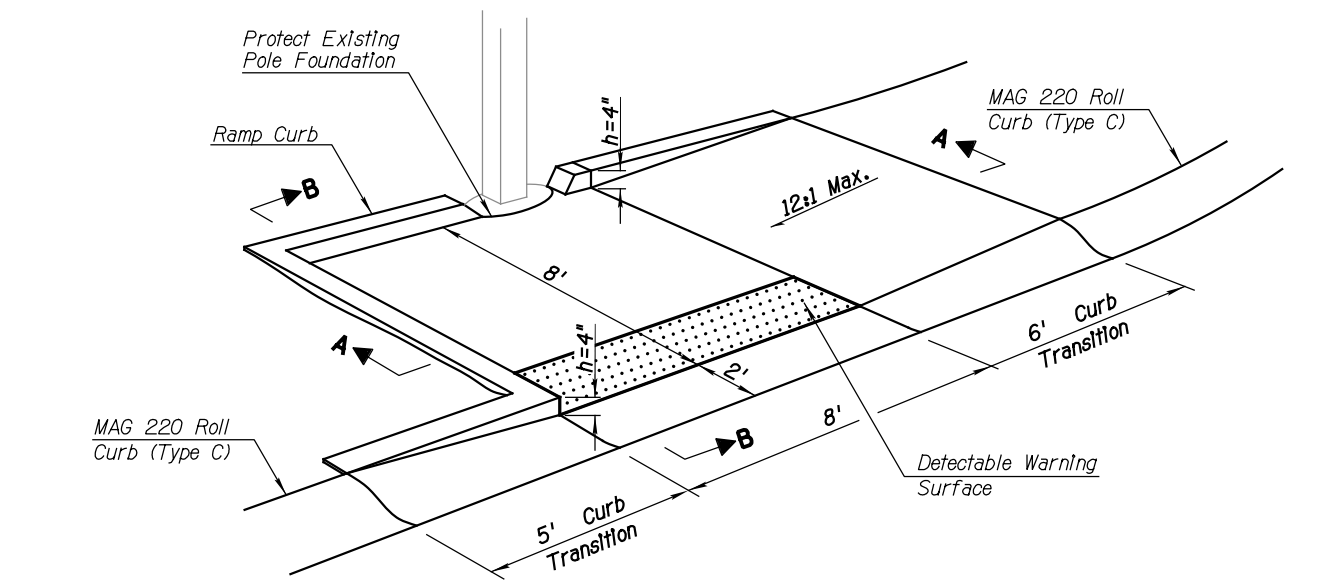
SECTION A-A



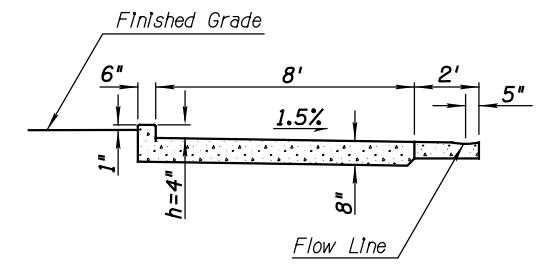
SECTION B-B

* Class 'B' Concrete Integrally Colored (San Diego Buff) per MAG Section 725

① SIDEWALK RAMP

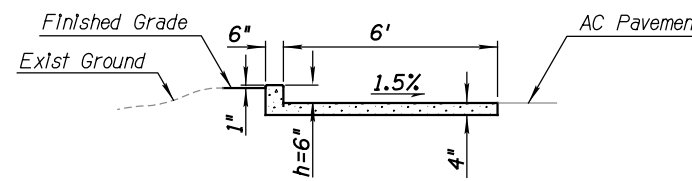
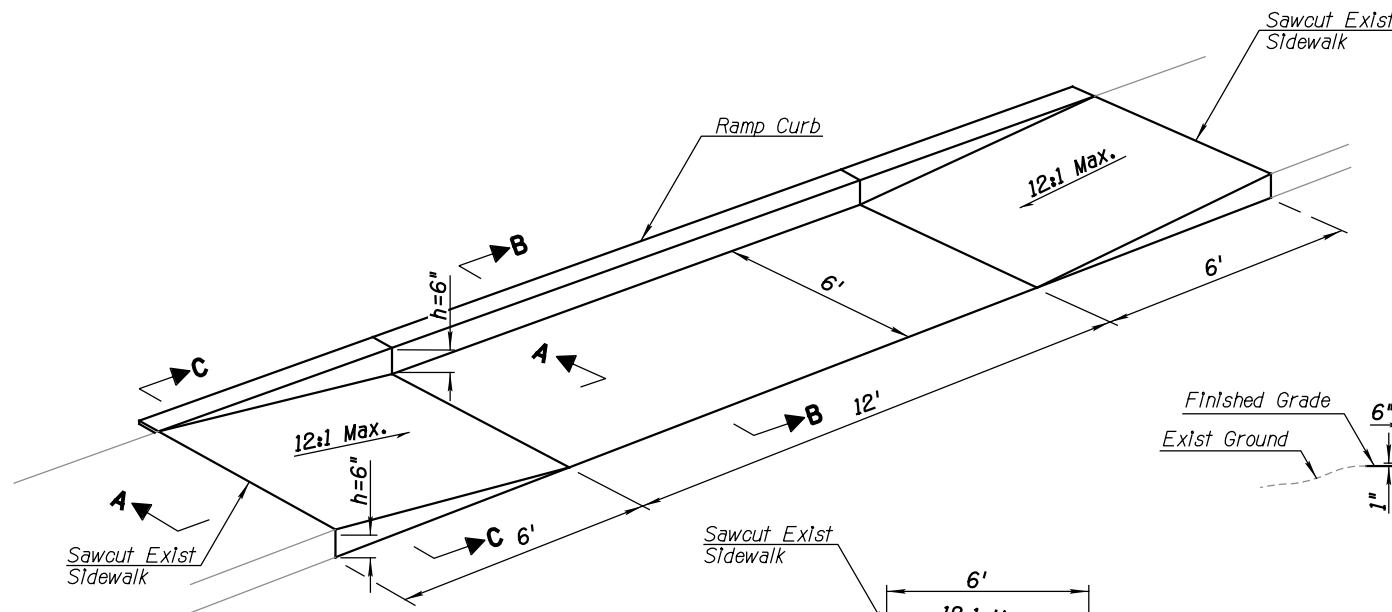


SECTION A-A



SECTION B-B

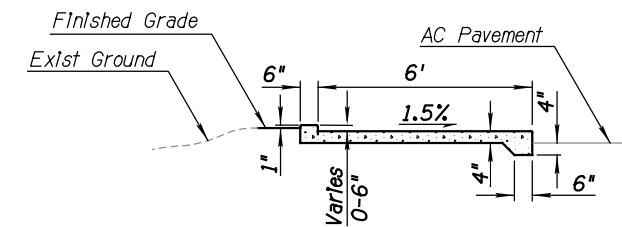
② SIDEWALK RAMP



SECTION B-B

SECTION A-A

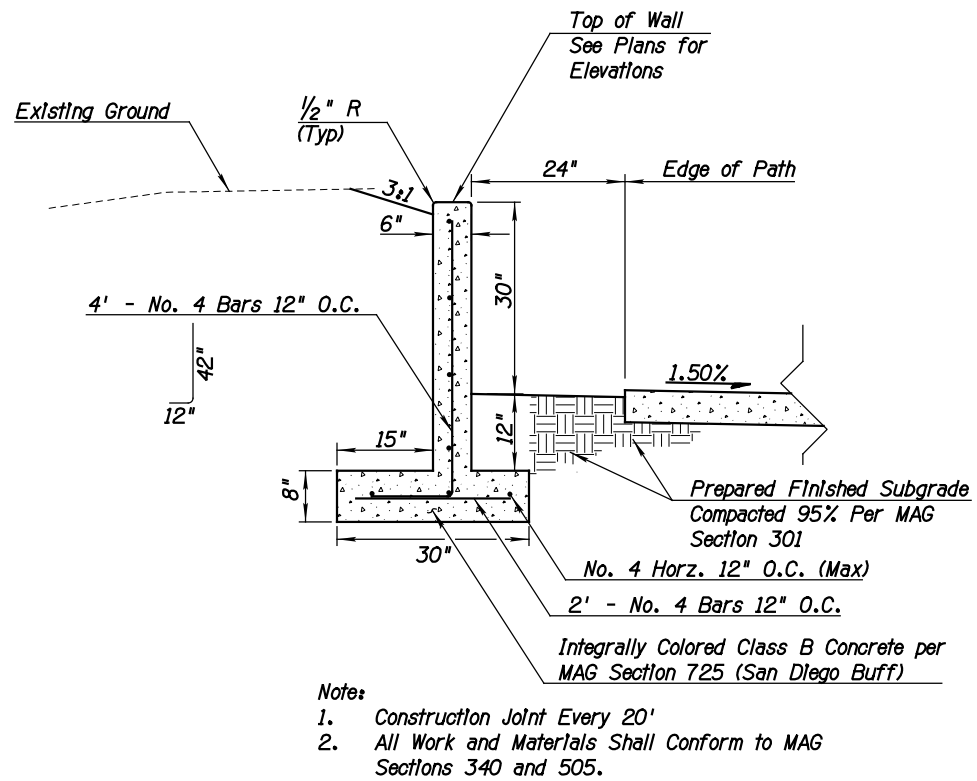
③ SIDEWALK RAMP



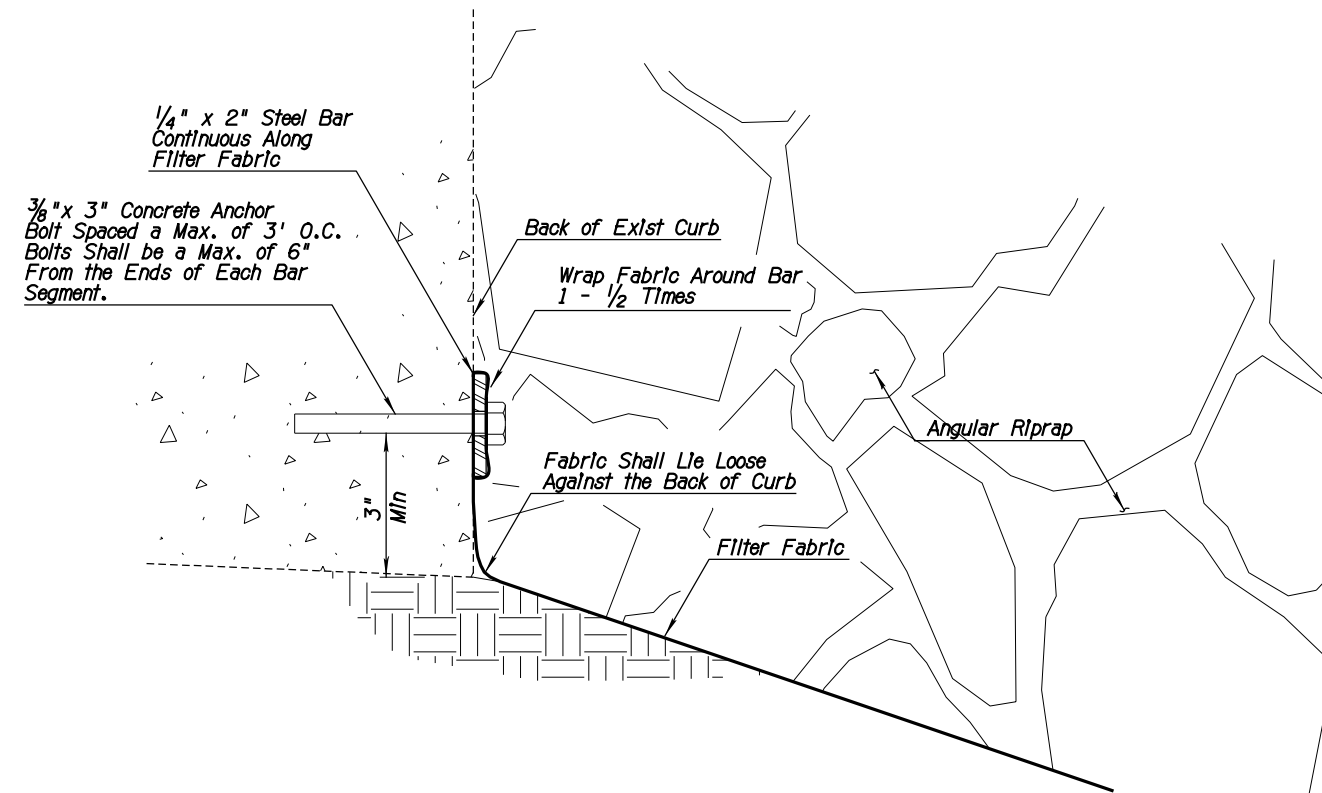
SECTION C-C

DATE	REVISION	BY		
<p>PUBLIC WORKS</p> <p>CAPITAL PROJECT MANAGEMENT</p> <p>7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</p>				
<p>PROJECT TITLE</p> <p>DETAILS</p> <p>SAMPLE PLAN SET</p>				
SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. NA	SP	DD/MM/YYYY		D1
VERT. NA	SP	AS-BUILT	PROJECT NO. XXXX	16 OF 39

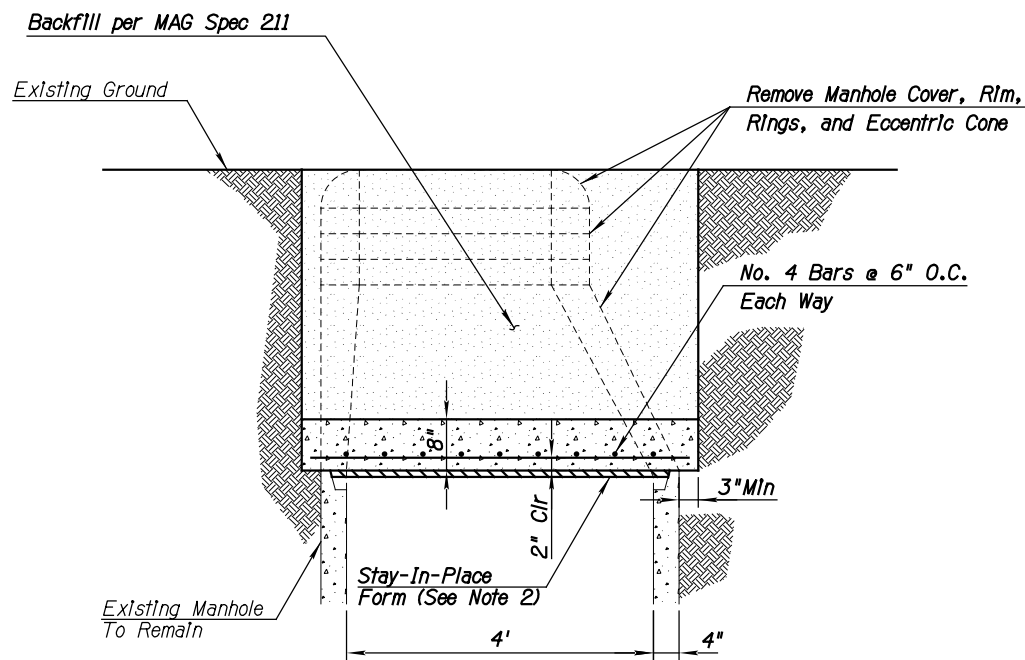




4 RETAINING WALL DETAIL



5 FABRIC ATTACHMENT DETAIL

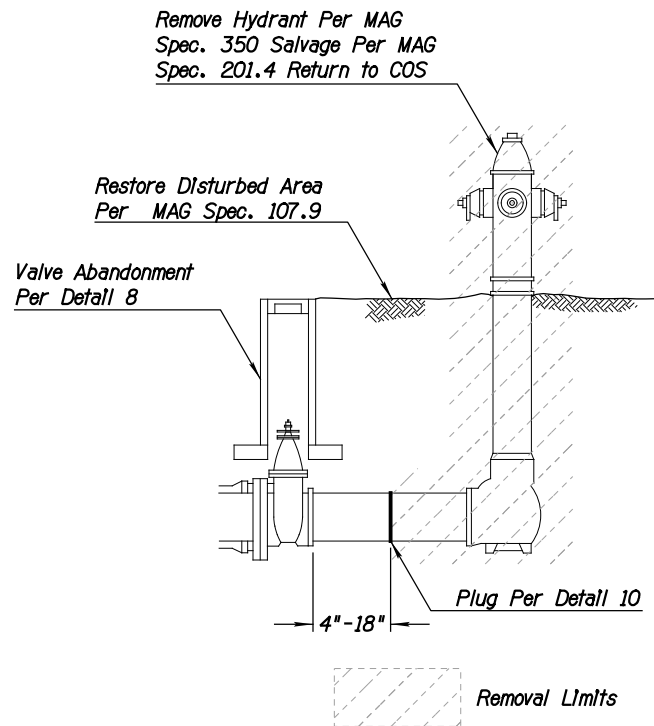


- Notes:
1. New Manhole Cap Can Be Cast-In-Place or Precast.
 2. If Precast Cap Is Used, No Stay-In-Place Form Is Needed.
 3. All New Concrete shall be Class A Per MAG Spec 725.

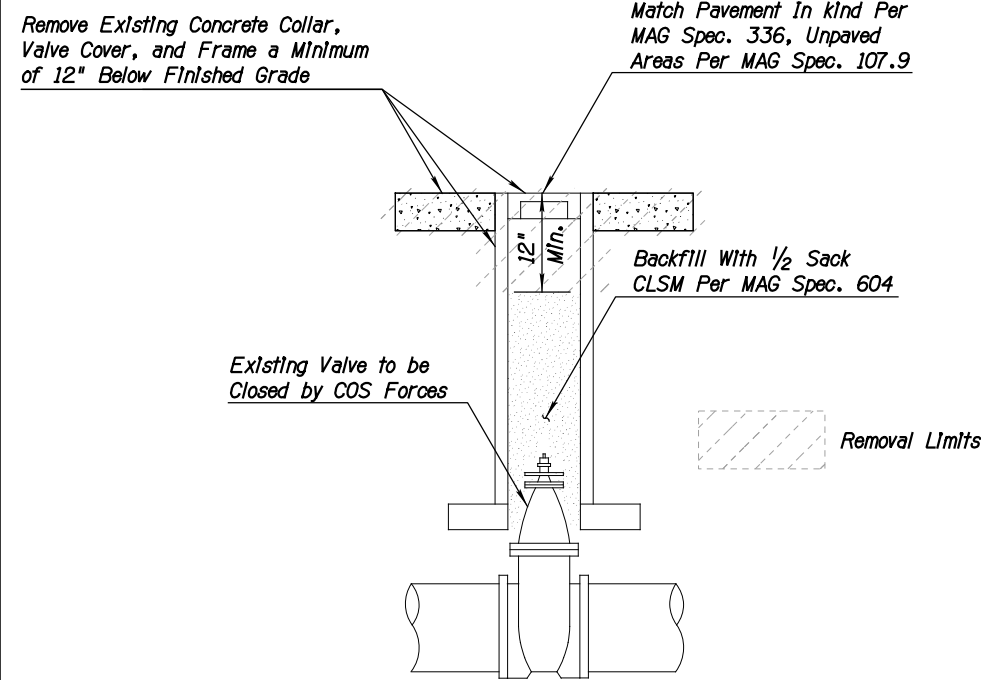
6 MANHOLE CAP DETAIL



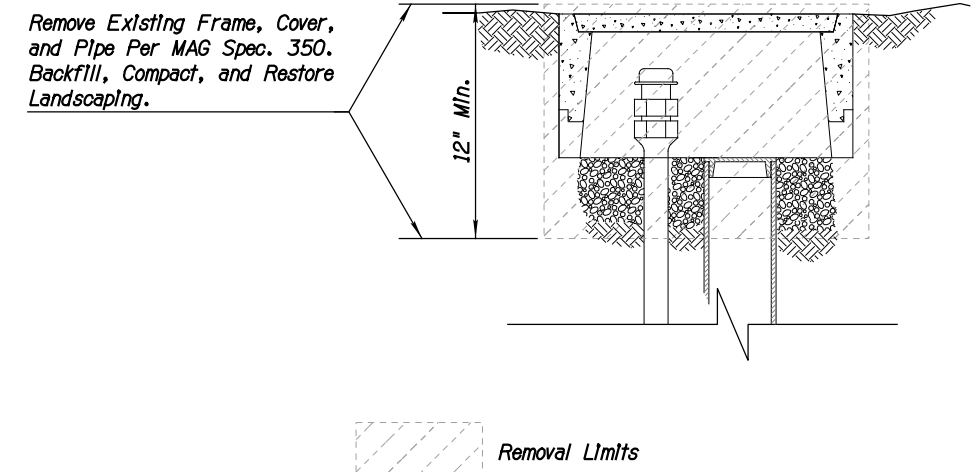
DATE	REVISION	BY
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VERT. NA	DRAWN	AS-BUILT
PROJECT NO.		SHT.
XXXX		D2
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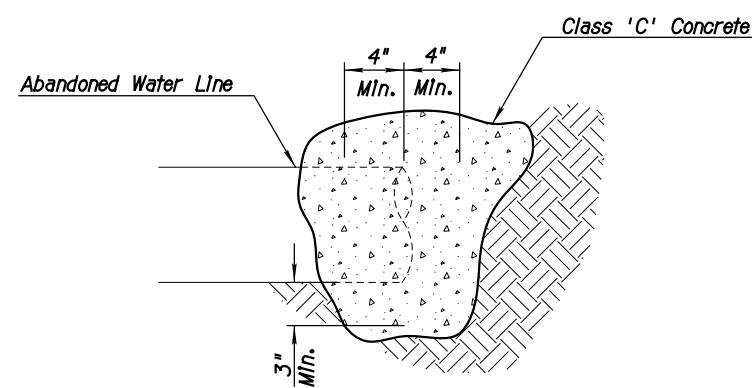
⑦ FIRE HYDRANT REMOVAL DETAIL



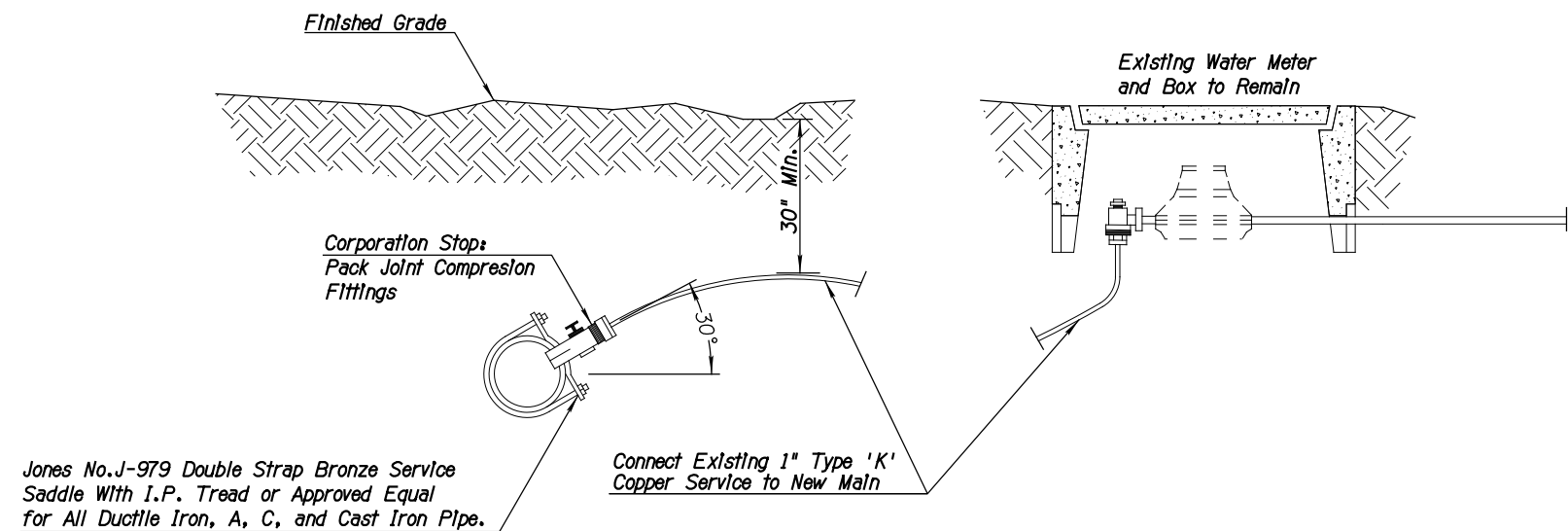
⑧ VALVE ABANDONMENT DETAIL



⑨ CURB STOP ABANDONMENT DETAIL



⑩ ABANDONED WATER LINE PIPE PLUG DETAIL



Jones No. J-979 Double Strap Bronze Service Saddle With I.P. Tread or Approved Equal for All Ductile Iron, A, C, and Cast Iron Pipe.

- NOTE:
1. All taps must be made using a service saddle.
 2. All service line sizes shall have the pack joint compression fittings for corp. stops and meter stops.
 3. Where a contractor is installing new water lines, all water service connections shall also be installed. The contractor's installation shall include the service saddle, corp. stop, service pipe, appurtenant fittings,

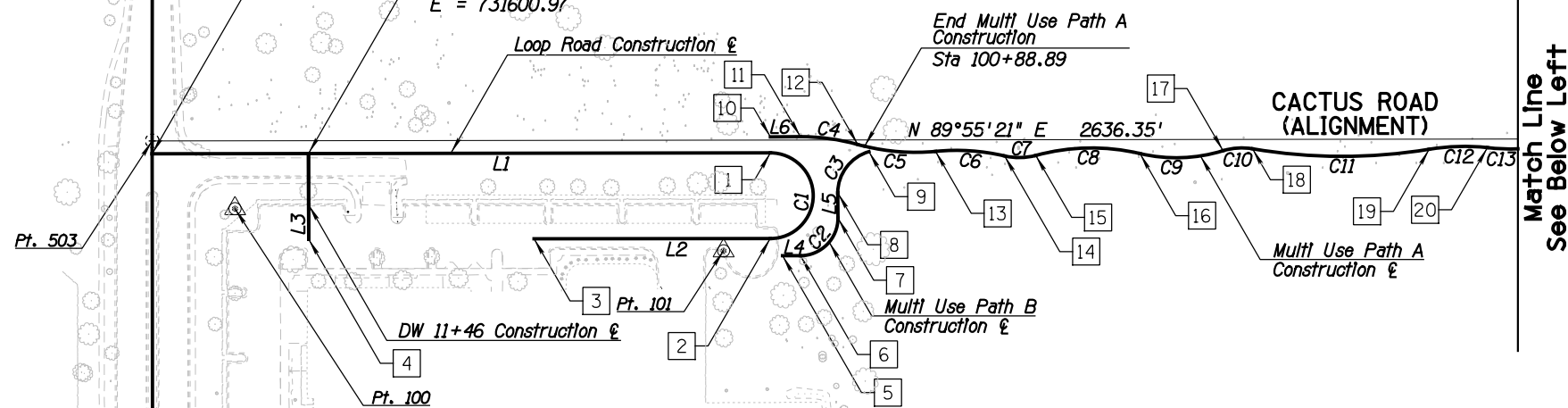
⑪ WATER SERVICE LINE CONNECTION TO NEW MAIN DETAIL



DATE	REVISION	BY
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DETAILS		
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HORIZ.	DRAWN SP	AS-BUILT
VERT.		
		BID NO.
		PROJECT NO. XXXX
		SHT. D3
		18 OF 39

Equation:
North 124th Street Sta 50+00.00=
Loop Road Sta 10+00.00
N = 944716.03
E = 731454.92

Equation:
Loop Road Sta 11+46.05=
Driveway Sta 20+80.00
N = 944716.23
E = 731600.97



N 00°04'15" W 1372.88'

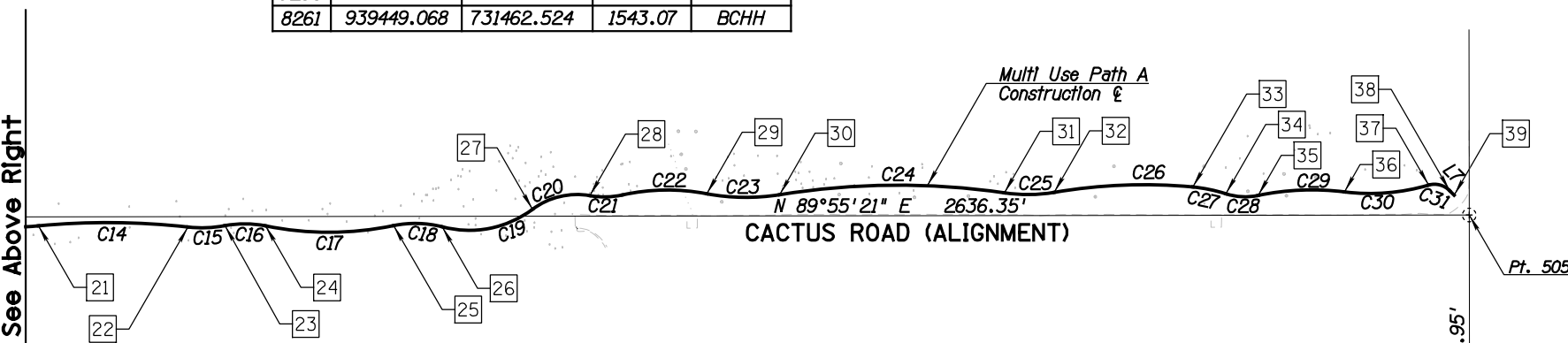
124TH STREET

124th Street Construction £

Match Line
See Above Right

Control and Monumentation				
Point	Northing	Easting	Elev.	Desc.
100	944664.652	731532.211	1711.10	REBAR
101	944625.354	731988.575	1715.84	MAG NAIL
102	944426.254	731457.570	1701.19	REBAR
502	943602.479	731456.294	1674.49	BCFL
503	944728.028	731454.901	1709.66	MAG NAIL
505	944731.591	734091.245	1701.17	BCHH
507	944281.406	734091.862	1692.85	BCFL
8233	942091.990	734095.009	1630.18	BCFL
8261	939449.068	731462.524	1543.07	BCHH

Line Table		
Line	Length	Bearing
L1	577.36'	N 89°55'21" E
L2	220.79'	S 89°55'21" W
L3	80.00'	N 0°04'39" W
L4	16.67'	N 89°55'21" E
L5	23.52'	N 0°04'39" W
L6	28.02'	N 89°55'21" E
L7	35.57'	S 44°48'40" E



N 00°04'43" W 693.95'

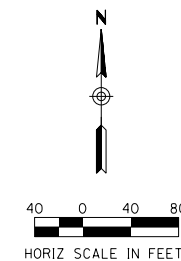
128TH STREET

Pt. 507

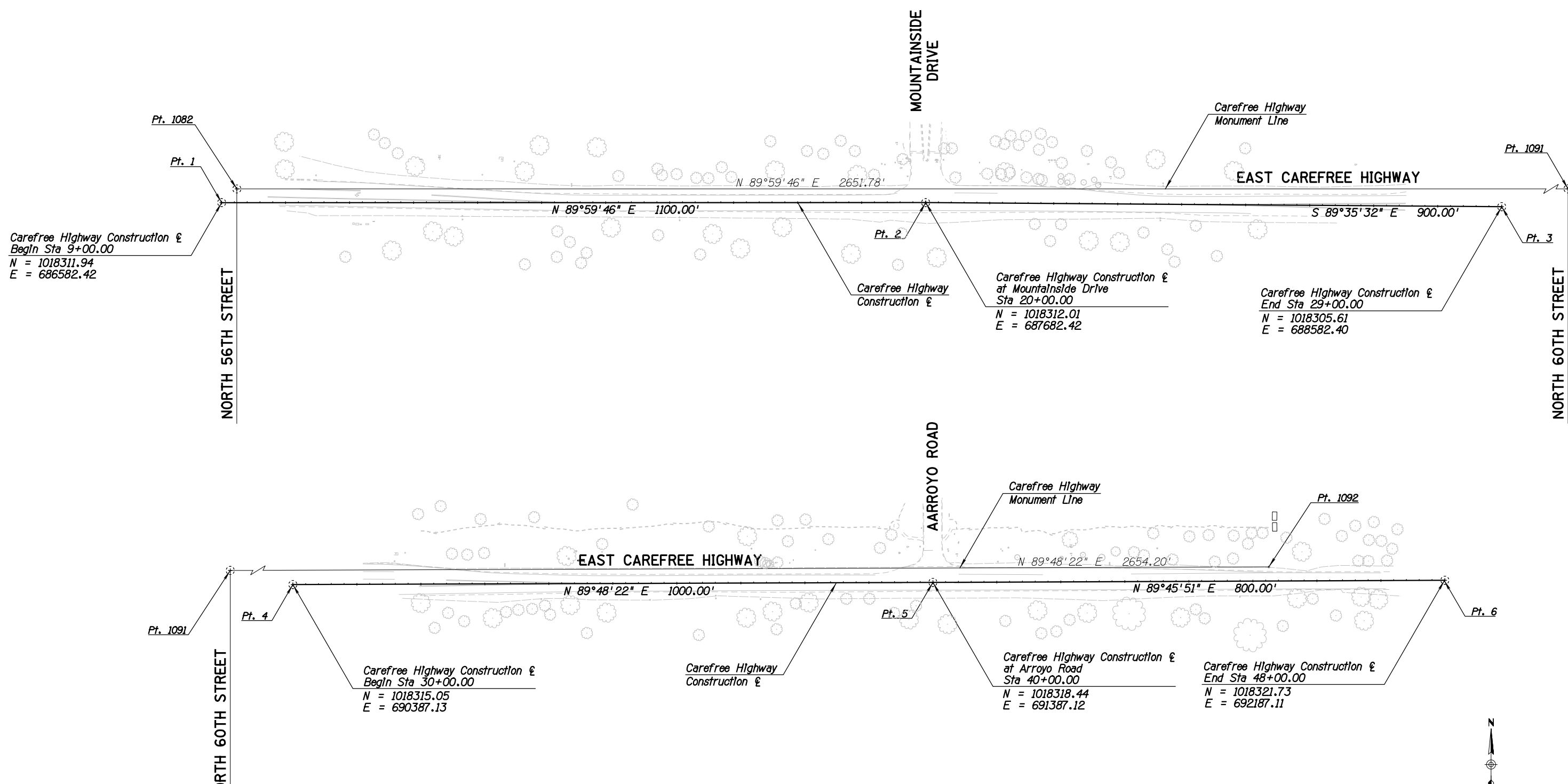
Curve Table				
Curve	Radius	Delta	Length	Tangent
C1	40.00'	180°00'00"	125.66'	N/A
C2	35.00'	90°00'00"	54.98'	35.00'
C3	40.00'	74°04'08"	51.71'	30.18'
C4	200.00'	15°33'48"	54.33'	27.33'
C5	200.00'	20°59'23"	73.27'	37.05'
C6	200.00'	18°35'57"	64.92'	32.75'
C7	60.00'	28°10'06"	29.50'	15.05'
C8	200.00'	28°08'09"	98.21'	50.12'
C9	150.00'	30°01'56"	78.62'	40.24'
C10	60.00'	26°36'38"	27.87'	14.19'
C11	500.00'	18°59'56"	165.80'	83.67'
C12	200.00'	15°37'09"	54.52'	27.43'
C13	200.00'	11°37'41"	40.59'	20.36'
C14	700.00'	11°34'06"	141.33'	70.91'

Curve Table				
Curve	Radius	Delta	Length	Tangent
C15	120.00'	16°42'39"	35.00'	17.62'
C16	100.00'	21°58'25"	38.35'	19.41'
C17	300.00'	23°13'29"	121.60'	61.65'
C18	100.00'	26°27'17"	46.17'	23.51'
C19	100.00'	61°14'35"	106.89'	59.19'
C20	70.00'	45°24'06"	55.47'	29.28'
C21	200.00'	19°33'45"	68.29'	34.48'
C22	200.00'	27°30'57"	96.05'	48.97'
C23	700.00'	17°59'57"	219.90'	110.86'
C24	150.00'	20°20'50"	53.27'	26.92'
C25	400.00'	21°42'25"	151.54'	76.69'
C26	350.00'	28°16'13"	172.69'	88.14'
C27	45.00'	63°12'03"	49.64'	27.68'

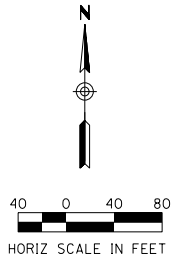
Point Table				
Point	Northing	Easting	Alignment	Station
1	944716.81	732032.27	Loop	15+77.36
2	944636.81	732032.38	Loop	17+03.02
3	944636.51	731811.59	Loop	19+23.82
4	944636.23	731601.08	DW 11+46	20+00.00
5	944620.82	732043.69	MUPB	200+00.00
6	944620.85	732060.4	MUPB	200+16.71
7	944655.89	732095.36	MUPB	200+71.69
8	944679.42	732095.33	MUPB	200+95.21
9	944717.92	732124.29	MUPB	201+46.92
10	944731.81	732032.25	MUPA	100+00.00
11	944731.85	732060.27	MUPA	100+28.02
12	944724.59	732113.94	MUPA	100+82.35
13	944718.25	732186.53	MUPA	101+55.62
14	944713.97	732251.02	MUPA	102+20.54
15	944714.47	732280.22	MUPA	102+50.04
16	944716.18	732377.44	MUPA	103+48.25
17	944718.83	732455.12	MUPA	104+26.87
18	944720.59	732482.68	MUPA	104+54.74
19	944720.19	732647.71	MUPA	106+20.54
20	944721.66	732702.05	MUPA	106+75.06
21	944721.34	732742.57	MUPA	107+15.65
22	944720.31	732883.66	MUPA	108+56.98
23	944721.62	732918.51	MUPA	108+91.98
24	944721.31	732956.62	MUPA	109+30.33
25	944721.62	733077.4	MUPA	110+51.93
26	944720.45	733123.14	MUPA	110+98.11
27	944748.4	733221.11	MUPA	112+05.00
28	944770.25	733270.52	MUPA	112+60.46
29	944760.05	733337.71	MUPA	113+28.75
30	944752.32	733432.52	MUPA	114+24.80
31	944752.71	733651.52	MUPA	116+44.70
32	944753.89	733704.49	MUPA	116+97.97
34	944755.45	733855.13	MUPA	118+49.51
35	944767.01	734025.68	MUPA	120+22.21
36	944755.93	734071.52	MUPA	120+71.85
37	944751.75	734072.68	MUPA	120+75.87
38	944755.44	734075.43	MUPA	120+77.90
39	944754.12	734077.08	MUPA	120+79.74



DATE	REVISION	BY
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7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
CONTROL PLAN		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=80'	SP	DD/MM/YYYY
VERT. N/A	SP	AS-BUILT
PROJECT NO.		SHT.
XXXX		C1
19 OF 39		

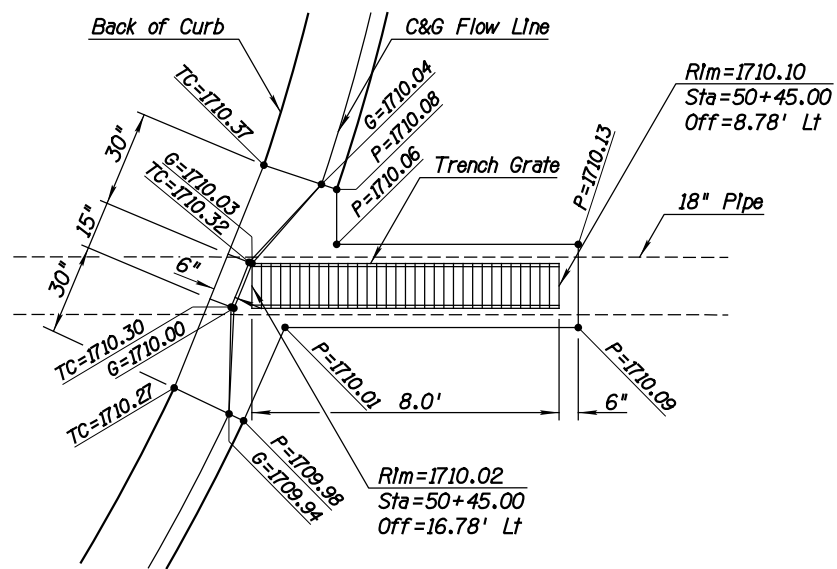


Control and Monumentation				
Point	Northing	Easting	Elevation	Desc.
1	1018311.94	686582.42	N/A	Calc.
2	1018312.01	687682.42	N/A	Calc.
3	1018305.61	688582.40	N/A	Calc.
4	1018315.05	690387.13	N/A	Calc.
5	1018318.44	691387.12	N/A	Calc.
6	1018321.73	692187.11	N/A	Calc.
1082	1018333.34	686606.17	2059.08	BC
1091	1018333.52	689257.95	2115.07	BC
1092	1018342.50	691912.13	2179.25	BCHH

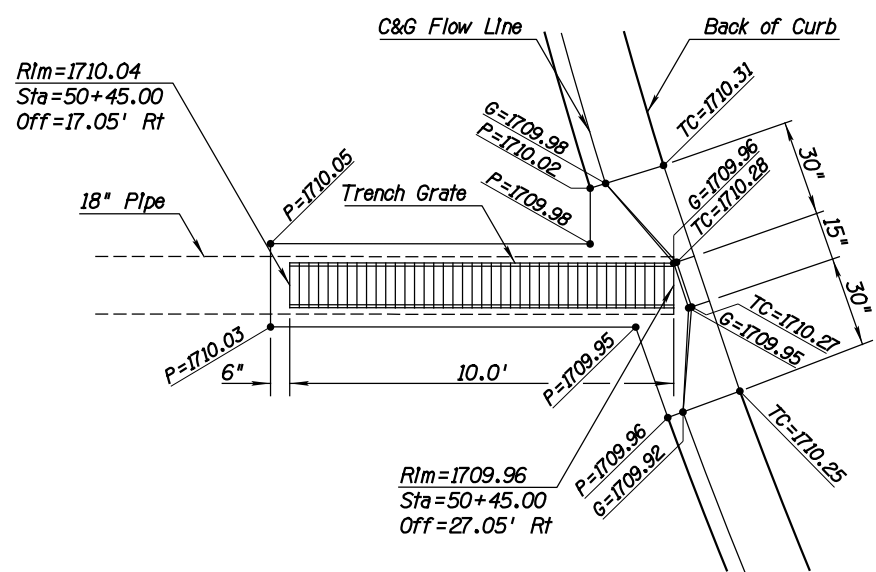


Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
 Call 811 or click Arizona811.com

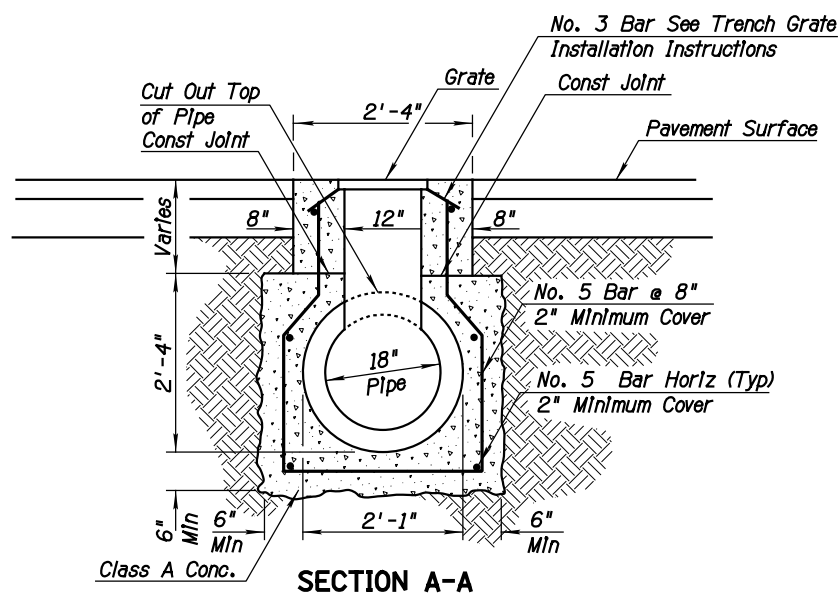
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SHEET TITLE		
CONTROL		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=80'	SP	DD/MM/YYYY
VERT. N/A	DRAWN	AS-BUILT
BID NO.		SHT.
PROJECT NO. XXXX		C2
20 OF 39		



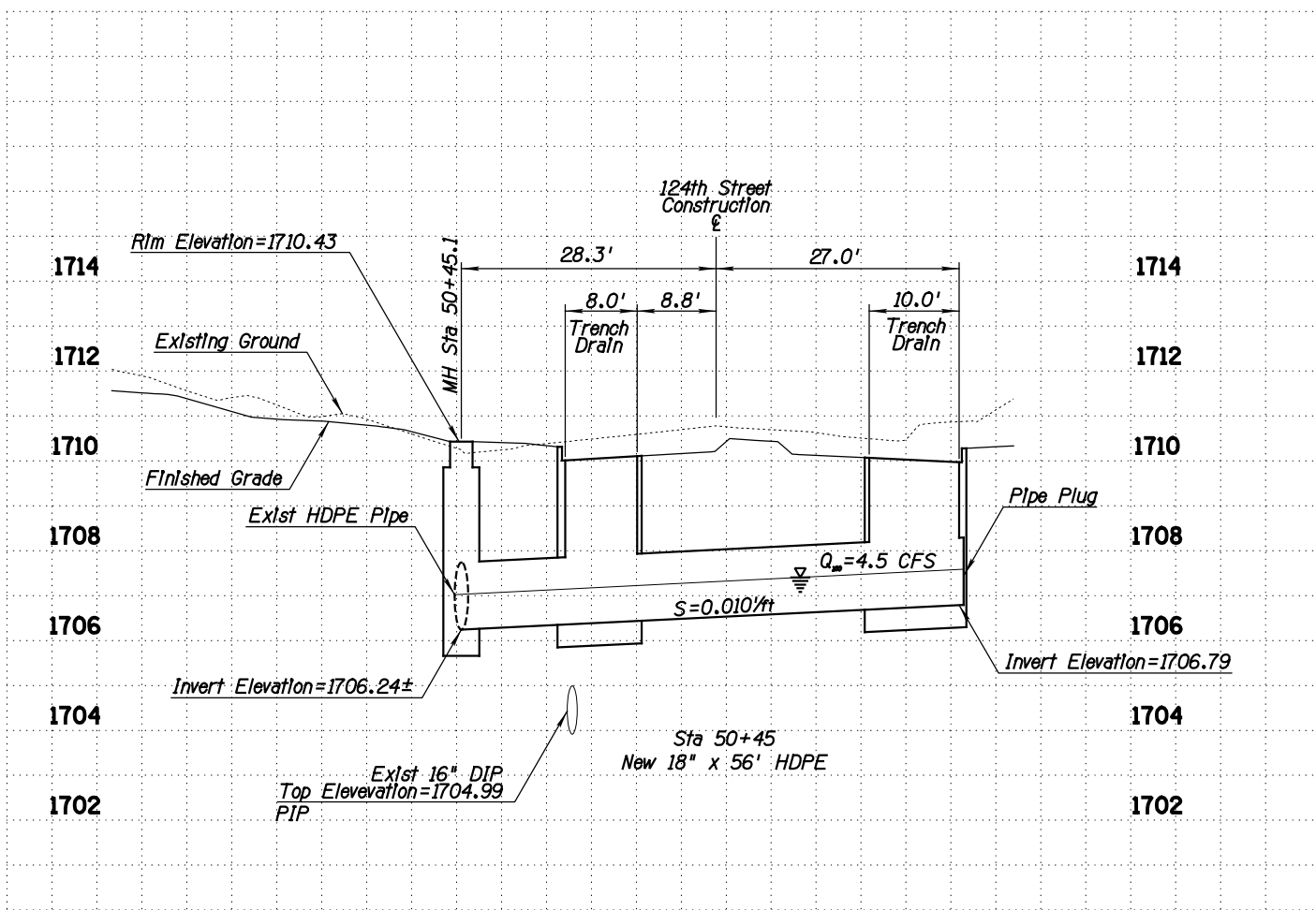
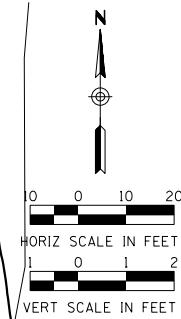
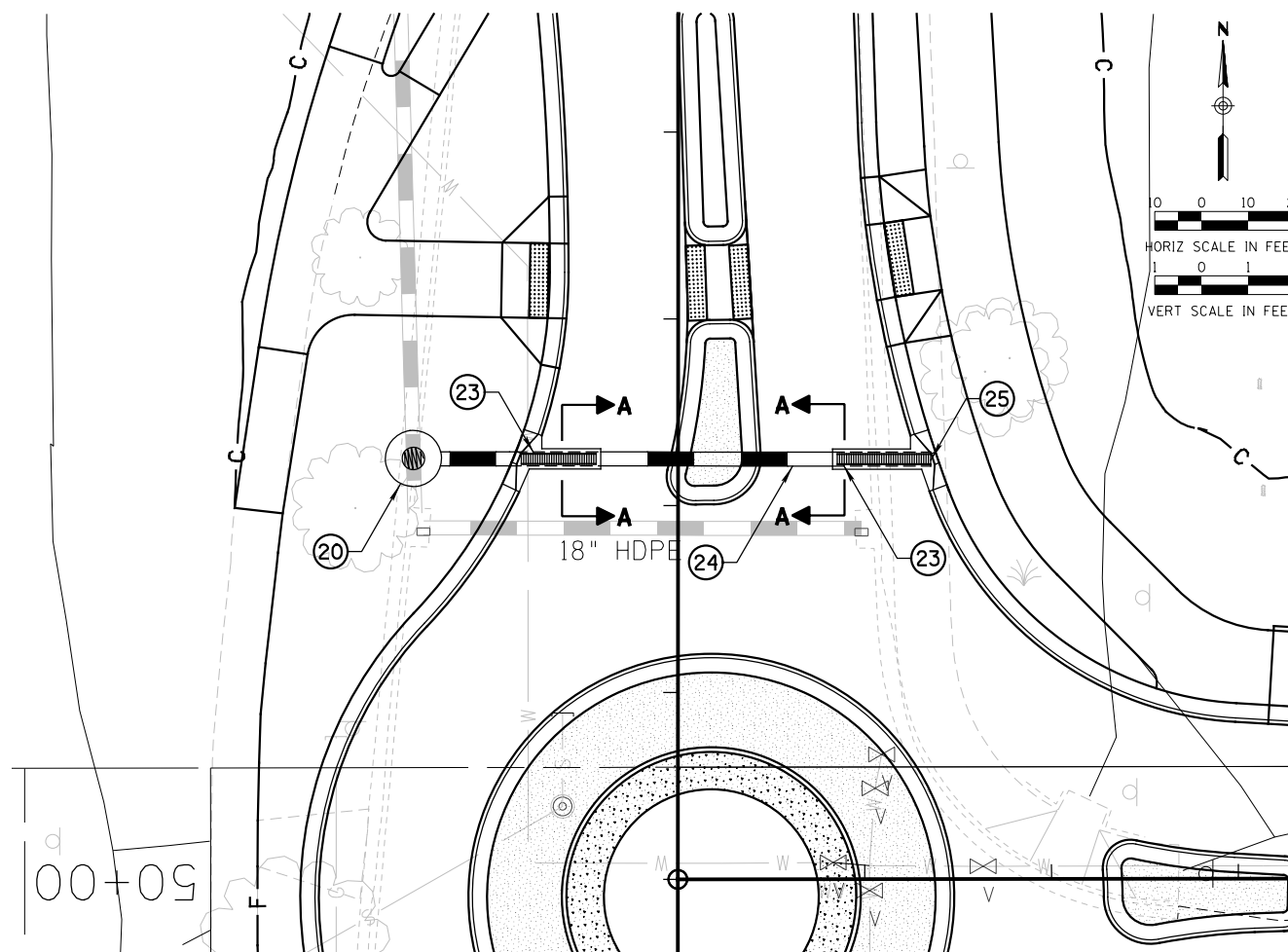
TRENCH GRATE LEFT



TRENCH GRATE RIGHT



SECTION A-A




REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
CONSTRUCTION NOTES		
Description	Unit	Quan
20 Man Hole per MAG Det 522	EA	1
23 Trench Drain, Neenah Foundary No. R-4999-L3 Vaned Grate Bolted	LF	18
24 18" HDPE Storm Drain Pipe	LF	56
25 18" Pipe Plug per MAG Det 427	EA	1

GENERAL NOTES


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- No separate measurement or payment shall be made for earthwork, regrading, excavation, or borrow, including hauling and disposing of material. Such costs shall be considered as included in the cost of the contract items.
- Storm drain pipe shall have smooth interior wall finish.

Contact Arizona 811 at least two full working days before you begin excavation




Call 811 or click Arizona811.com

DATE	REVISION	BY
ENGINEER		



12345
YOURNAME
HERE

Expire 12/31/2017



PUBLIC WORKS

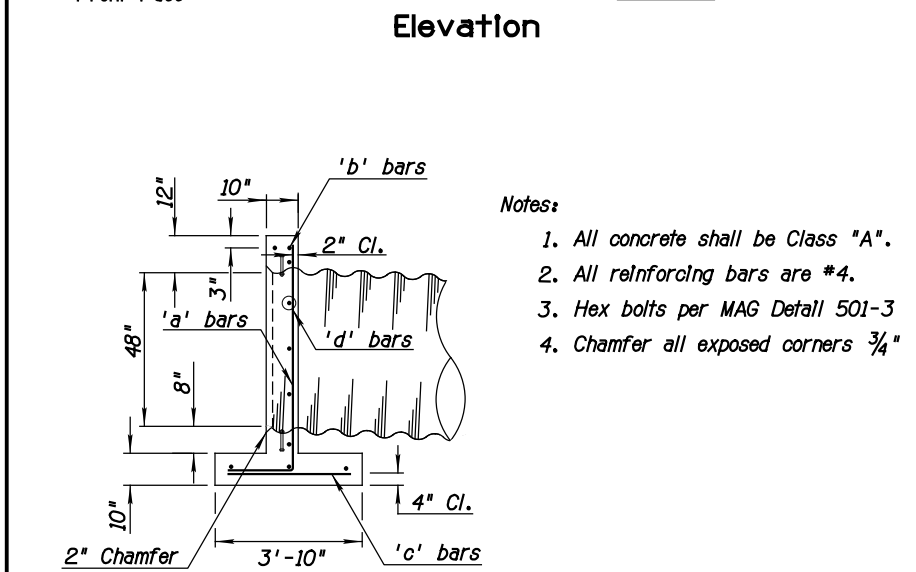
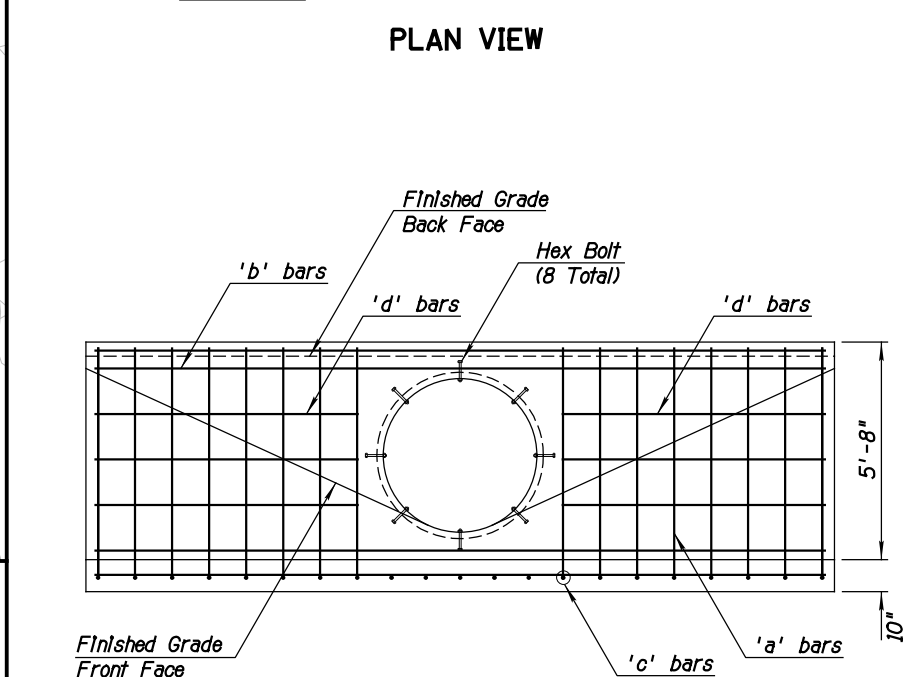
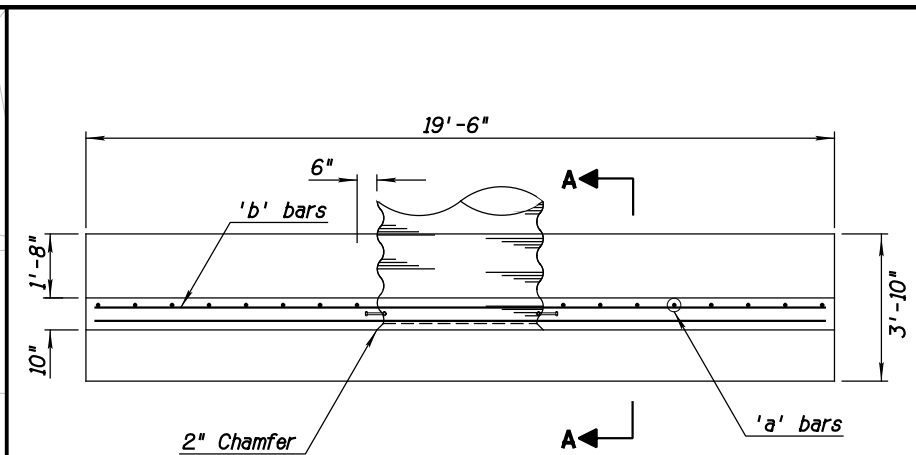
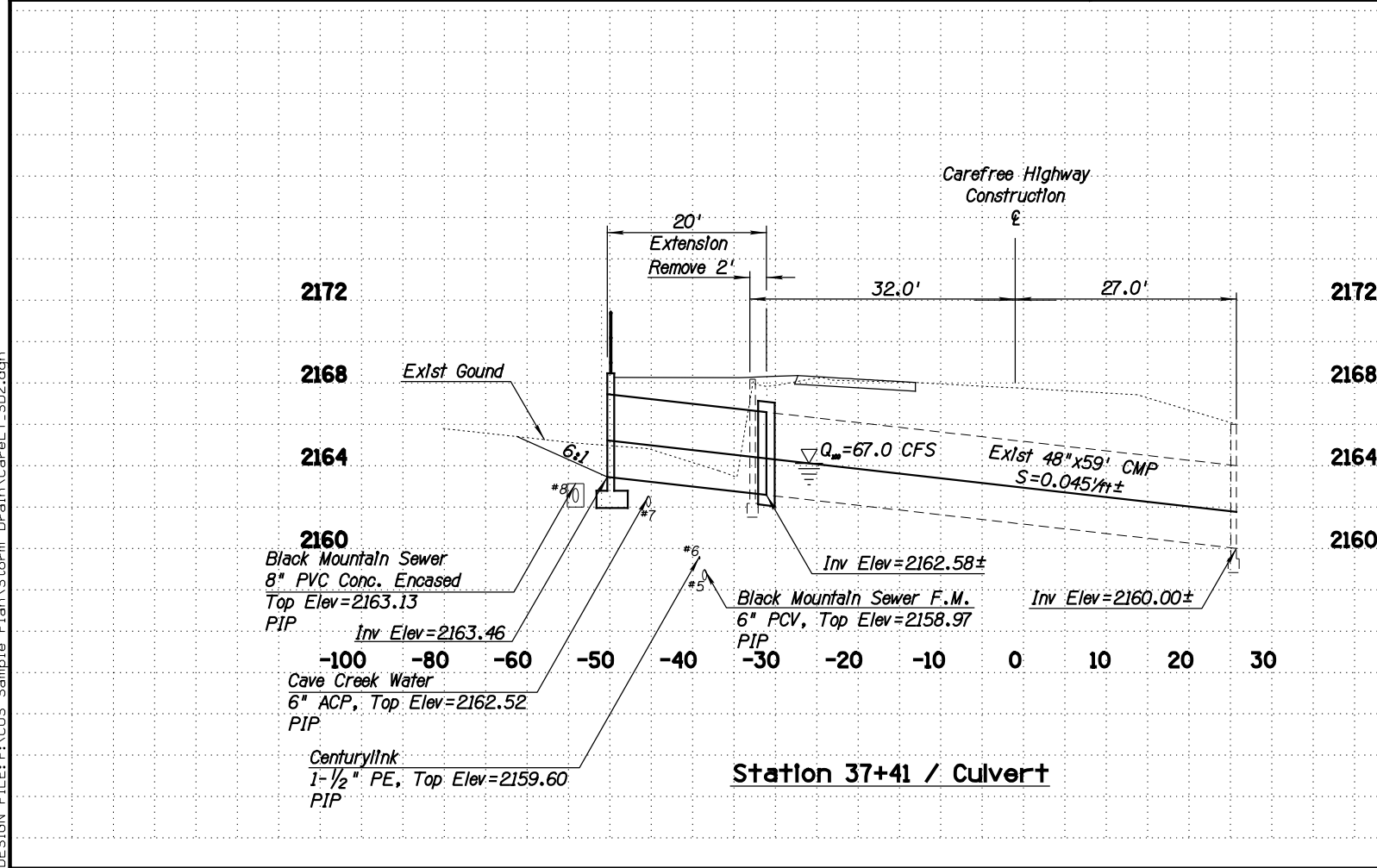
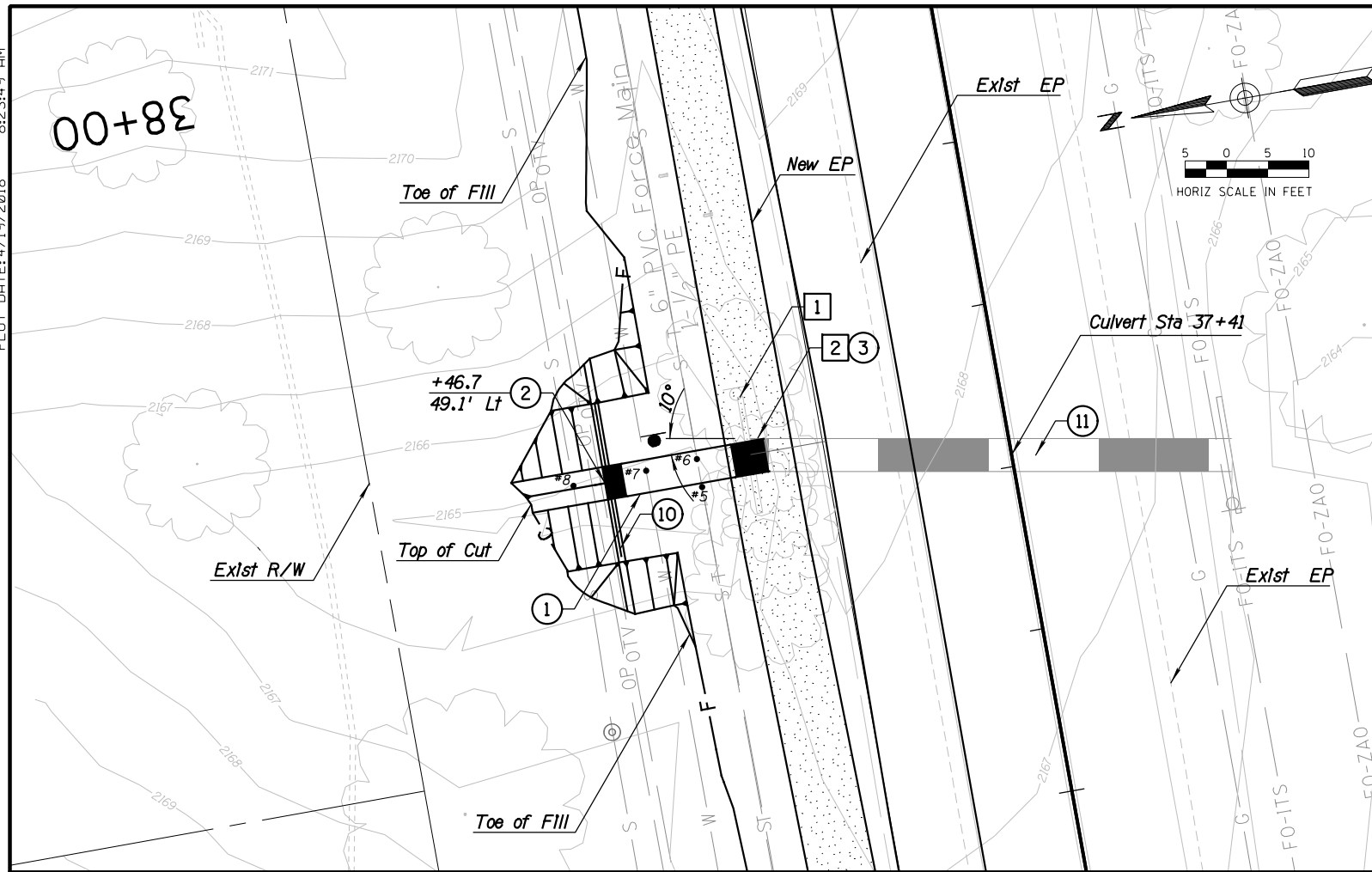
CAPITAL PROJECT MANAGEMENT

7447 E. INDIAN SCHOOL RD.
SCOTTSDALE, ARIZONA 85251

STORM DRAIN DETAIL

SAMPLE PLAN SET

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	SP	DD/MM/YYYY		SD1
VERT. 1"= 4'	DRAWN	AS-BUILT	PROJECT NO.	21 of 39
	SP		XXXX	



- Notes:
1. All concrete shall be Class "A".
 2. All reinforcing bars are #4.
 3. Hex bolts per MAG Detail 501-3
 4. Chamfer all exposed corners 3/4"

REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Remove Concrete Headwall	EA	1
2 Remove Pipe	LF	2

CONSTRUCTION NOTES		
Description	Unit	Quan
1 48" CMP	LF	20
2 Concrete Headwall, Per Detail This Sheet	EA	1
3 48" Pipe Collar, MAG 505	EA	1
10 Handrail, Type 2, per COS 2508	LF	19
11 Clean Existing Culvert	LF	59

- GENERAL NOTES
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 2. No separate measurement or payment shall be made for earthwork, regrading, excavation, or borrow, including hauling and disposing of material. Such costs shall be considered as included in the cost of the contract items.
 3. All concrete shall be Class "A".
 4. All reinforcing bars are #4.
 5. Hex bolts per MAG Detail 501-3
 6. Chamfer all exposed corners 3/4"

Pothole Location			
No.	Station	Offset	Utility Owner
#5	37+44.21	37.63' Lt	Black Mt. Sewer
#6	37+47.65	37.65' Lt	Centurylnk
#7	37+47.35	43.96' Lt	Cave Creek Water
#8	37+47.10	52.96' Lt	Black Mt. Sewer

Bar Schedule		
I.D.	No. of Bars	Length of Bars
'a' bars	16	7'-6"
'b' bars	7	19'-0"
'c' bars	21	3'-2"
'd' bars	6	6'-10"

5.3 C.Y. Concrete 348 Lbs. Steel

DATE: _____ REVISION: _____ BY: _____

ENGINEER: PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

Expire: MM/DD/YEAR

SHEET TITLE: **STORM DRAIN DETAIL**

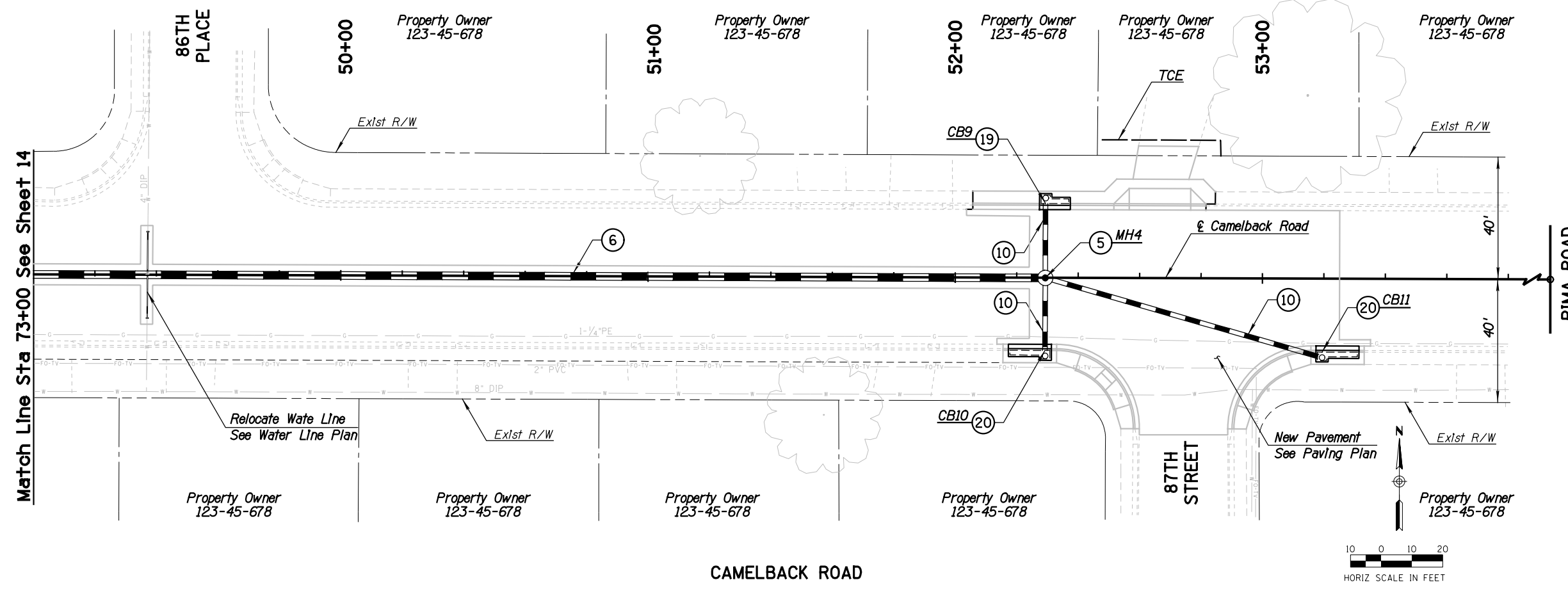
PROJECT TITLE: **SAMPLE PLAN SET**

SCALE: HORIZ. 1"=10'	DESIGNED: SP	DATE: MM/DD/YYYY	BID NO.	SHT. SD2
VERT. 1"=2'	DRAWN: SP	AS-BUILT	PROJECT NO. XXXX	22 OF 39

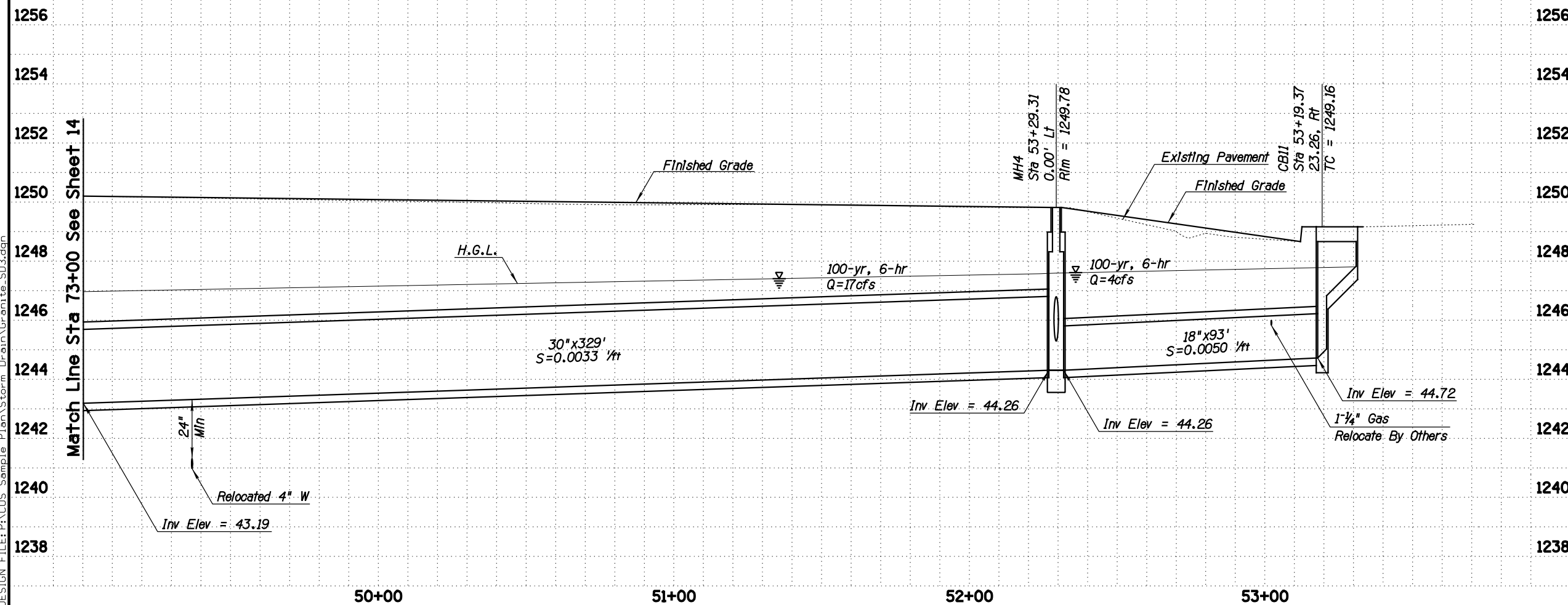


PLOT DATE: 4/19/2018 8:24:13 AM

DESIGN FILE: P:\COS_Sample Plan\Storm Drain\Granite_SD3.dgn



CAMELBACK ROAD




REMOVAL & RELOCATION NOTES		
Description	Unit	Quan

CONSTRUCTION NOTES		
Description	Unit	Quan
⑤ Man Hole per MAG Det 522	EA	1
⑥ 30" Storm Drain Pipe	LF	329
⑩ 18" Storm Drain Pipe	LF	133
⑰ Catch Basn, COP 1569 Type M-1, L=6'	EA	1
⑳ Catch Basn, COP 1569 Type M-1, L=10'	EA	2

GENERAL NOTES



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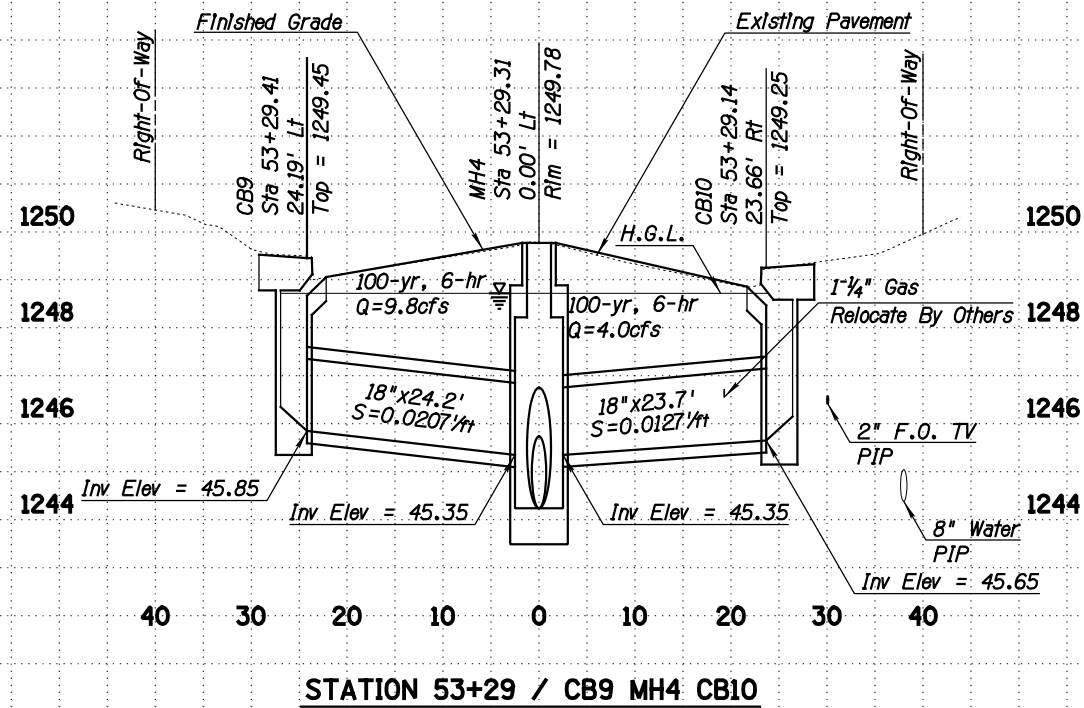
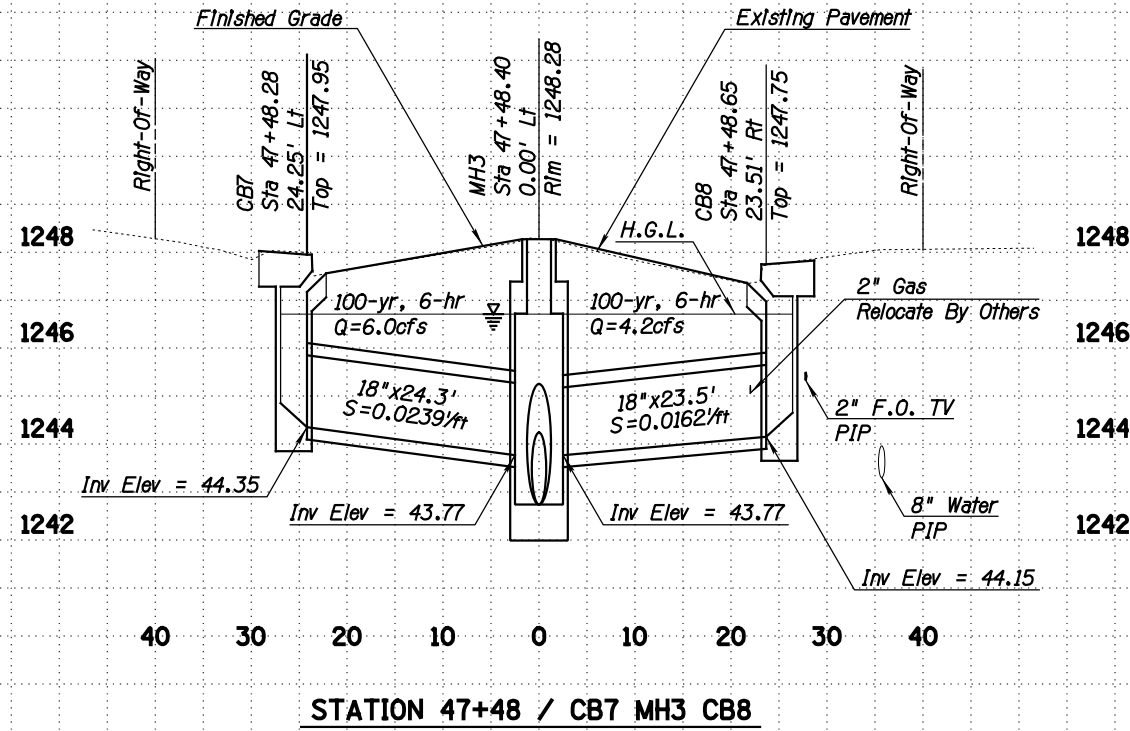
Contact Arizona 811 at least two full working days before you begin excavation



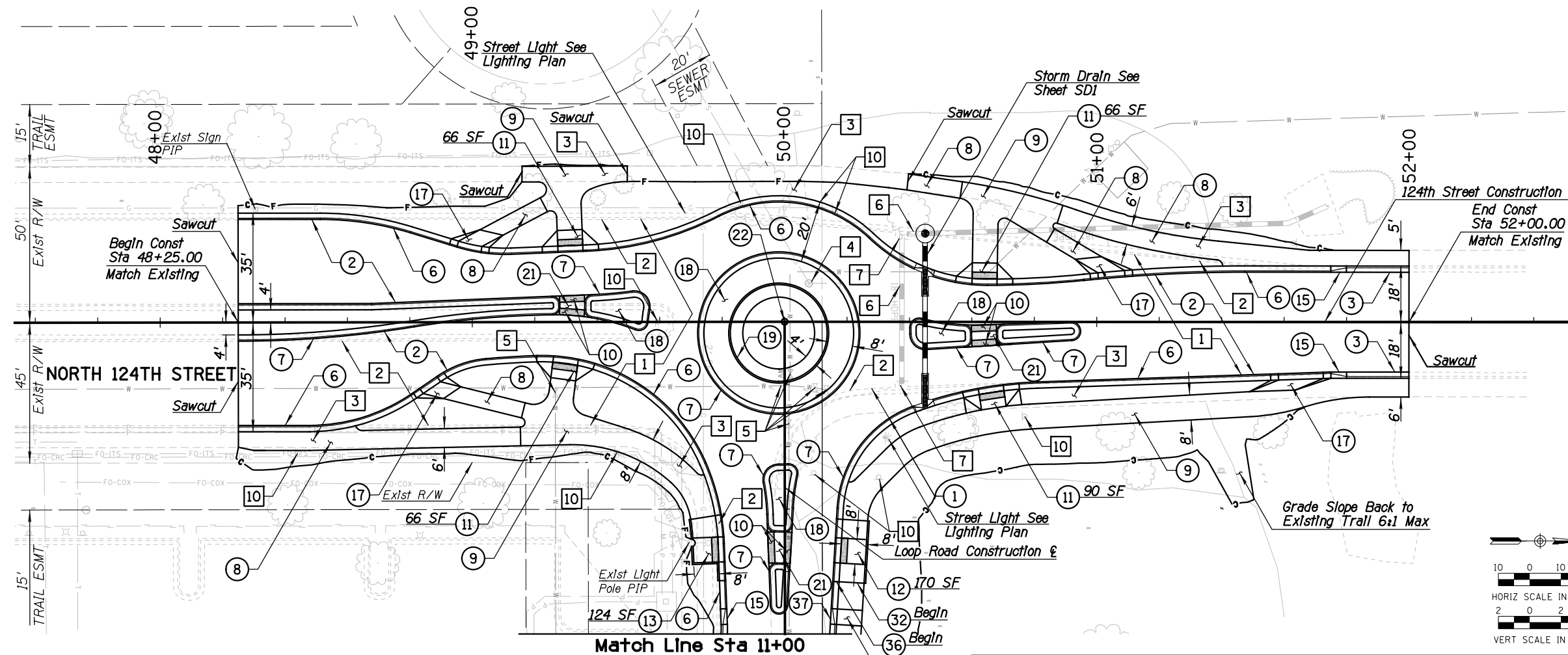
Call 811 or click Arizona811.com

DATE	REVISION	BY

 ENGINEER 12345 YOURNAME HERE	 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251			
Expires MM/DD/YYYY SHEET TITLE STORM DRAIN PLAN				
PROJECT TITLE SAMPLE PLAN SET				
SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	SP	MM/DD/YYYY	AS-BUILT	SD3
VERT. 1"=2'	DRAWN	SP	PROJECT NO.	23 OF 39
			XXXX	



DATE	REVISION	BY
ENGINEER		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
STORM DRAIN PROFILE		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=10'	SP	MM/DD/YYYY
VERT. 1"=2'	DRAWN	AS-BUILT
BID NO.		SHT. SD4
PROJECT NO. XXXX		24 OF 39

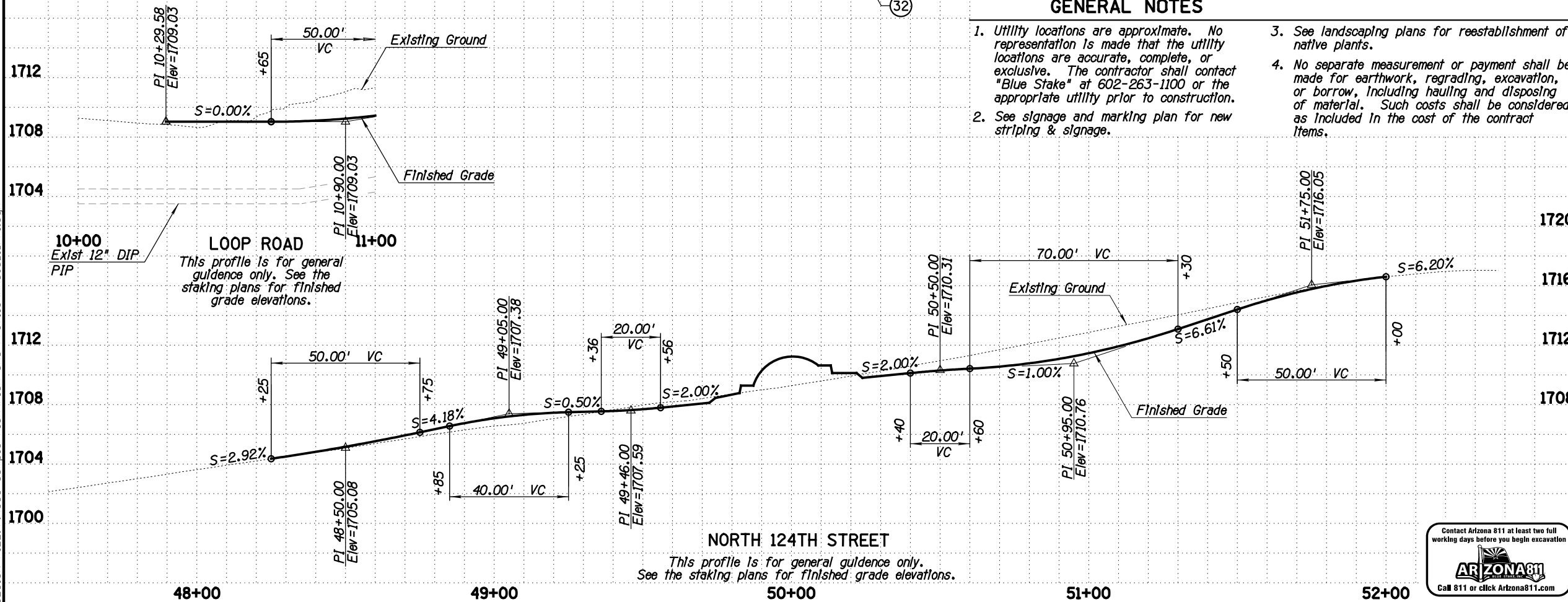


REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Sawcut & Remove AC Pavement	SY	2187
2 Sawcut & Remove Curb, C&G	LF	1093
3 Sawcut & Remove Concrete Sidewalk, Driveway & Slabs	SF	3315
4 Adjust Manhole Frame & Cover per COS Det 2270	EA	1
5 Adjust Valve Box & Cover per COS Det 2270	EA	5
6 Remove Storm Drain Pipe	LF	55
7 Remove Catch Basin	EA	2
10 Remove Sign, Post and Post Base	EA	9

CONSTRUCTION NOTES		
Description	Unit	Quan
1 Subgrade Preparation	SY	270
2 Pavement Structural Sec. No. 1	SY	1737
3 Type A Vertical C&G per MAG Det 220	LF	50
6 Roll Curb per MAG Det 220 Type C	LF	709
7 Roll Curb per MAG Det 220 Type D	LF	685
8 Conc Sidewalk per MAG Det 230	SF	1584
9 Conc Sidewalk (5" Thick) per MAG Det 230	SF	2991
10 Detectable Warning Surface per COS Det 2231	SF	96
11 Conc Sidewalk Ramp per COS Det 2234	EA	4
12 Conc Sidewalk Ramp per COS Det 2235-2	EA	1
13 Conc Sidewalk Ramp per Detail 2, Sheet D1	EA	1
15 5' Conc Curb Transition	NPI	
17 Conc Bicycle Ramp per Detail 4, Sheet D1	SF	210
18 Pavement Structural Sec. No. 2	SY	140
19 Single Curb per MAG Det 222	LF	101
21 Pavement Structural Sec. No. 3	SY	22
22 Survey Monument Type B per MAG Det 120	EA	1
32 Integrally Colored Conc Sidewalk (San Diego Buff) (5" Thick) per MAG Det 230	SF	132
36 Integrally Colored Roll Curb per MAG Det 220 Type D (San Diego Buff)	LF	14
37 Integrally Colored 5' Conc Curb Transition (San Diego Buff)	NPI	

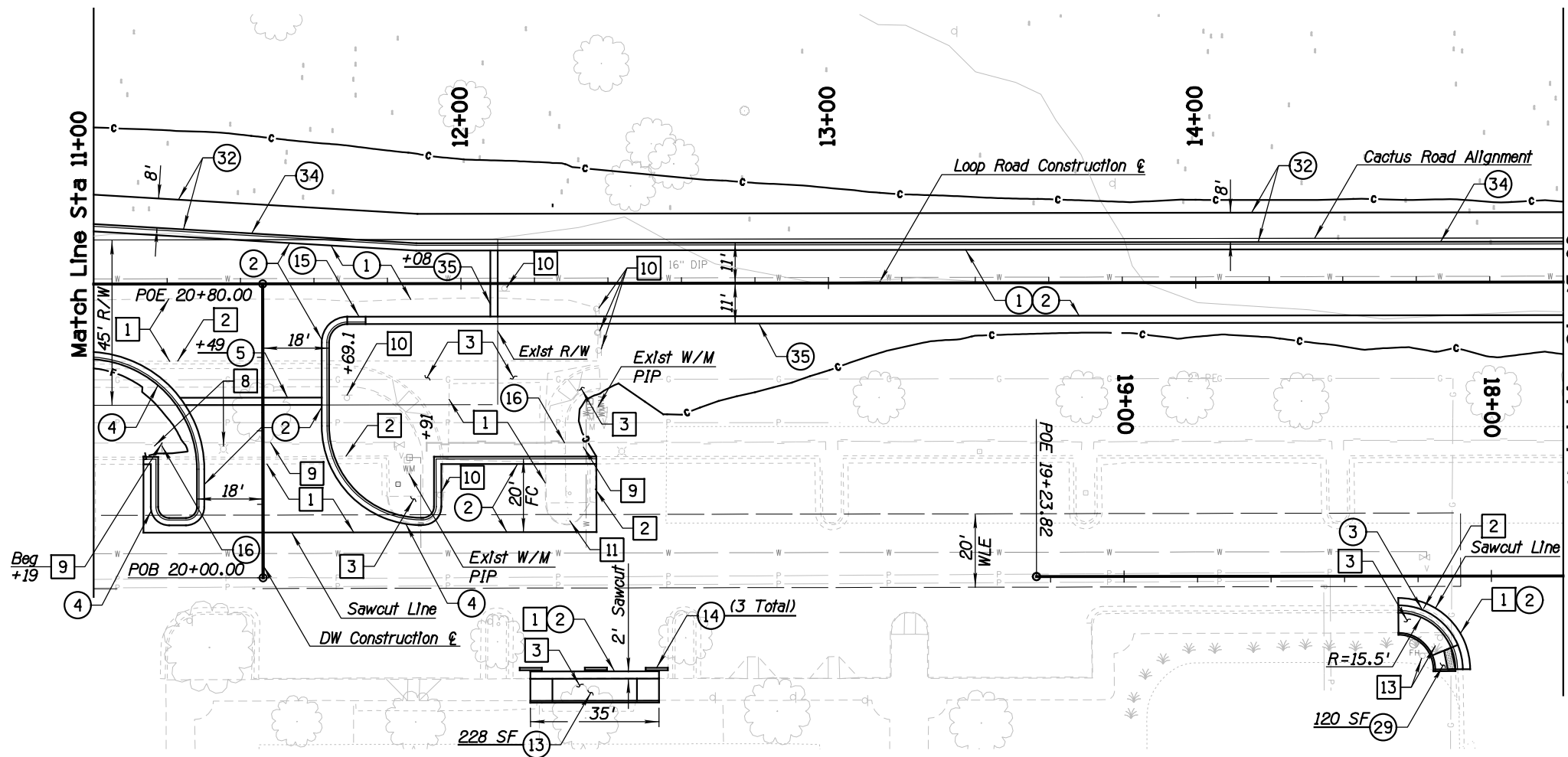
GENERAL NOTES

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- See signage and marking plan for new striping & signage.
- See landscaping plans for reestablishment of native plants.
- No separate measurement or payment shall be made for earthwork, regrading, excavation, or borrow, including hauling and disposing of material. Such costs shall be considered as included in the cost of the contract items.



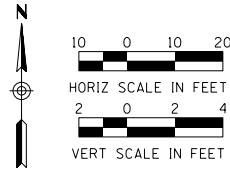
DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
Expire 12/31/2017 SHEET TITLE		
PLAN AND PROFILE PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. 1"=2'	DRAWN	AS-BUILT
	SP	
BID NO.	SHT.	
PROJECT NO.	PP1	
XXXX	25 OF 39	





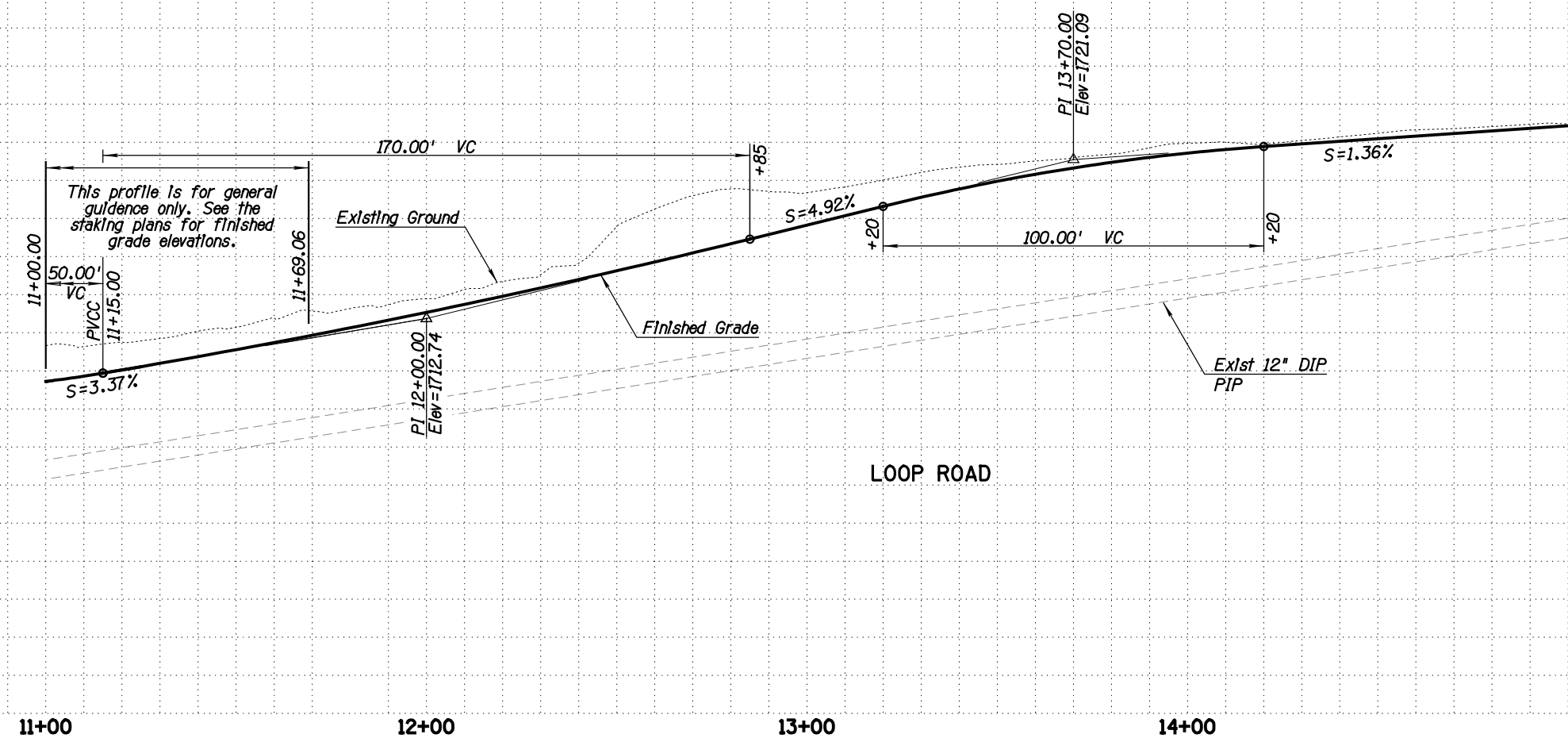
Match Line Sta 15+00

Match Line Sta 11+00



REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Sawcut & Remove AC Pavement	SY	539
2 Sawcut & Remove Curb, C&G	LF	222
3 Sawcut & Remove Concrete Sidewalk, Driveway & Slabs	SF	1736
8 Relocate Streetlight Pole	EA	1
9 Remove 4' Masonry Wall	LF	67
10 Remove Sign, Post and Post Base	EA	6
11 Remove and Salvage Existing Gate to Anasazi Elementary School	EA	1
13 Relocate Sign, Post, and Post Base	EA	1

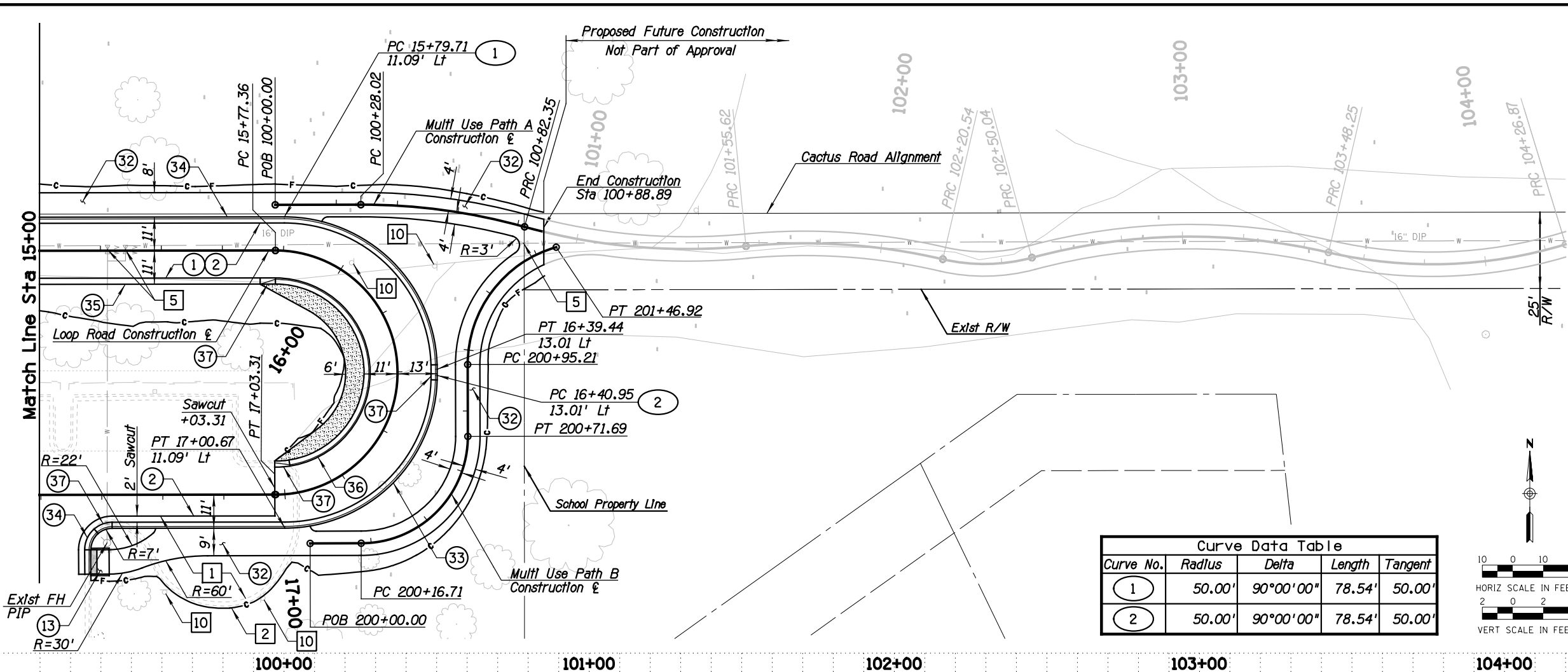
CONSTRUCTION NOTES		
Description	Unit	Quan
1 Subgrade Preparation	SY	874
2 Pavement Structural Sec. No. 1	SY	1213
3 Type A Vertical C&G per MAG Det 220	LF	27
4 Type A C&G per COS Det 2220	LF	238
5 Ribbon Curb per MAG Det 220 Type B	LF	38
13 Conc Sidewalk Ramp per Detail 3, Sheet D1	EA	1
14 Precast Safety Curb per MAG Det 150, Type B-3	EA	3
15 5' Conc Curb Transition	NPI	
16 Wall (Masonry Screen Wall) (Match Existing)	LF	45
29 Conc Sidewalk Ramp per COS Det 2233-2	EA	1
32 Integrally Colored Conc Sidewalk (San Diego Buff) (5" Thick) per MAG Det 230	SF	3201
34 Integrally Colored Type A C&G per COS Det 2220 (San Diego Buff)	LF	400
35 Integrally Colored Ribbon Curb per MAG Det 220 Type B (San Diego Buff)	LF	344



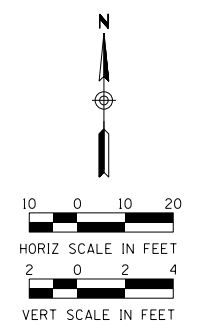
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 - See signing and marking plan for new striping & signage.
 - See landscaping plans for reestablishment of native plants.

DATE	REVISION	BY
PUBLIC WORKS CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
PLAN AND PROFILE		
PROJECT TITLE SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. 1"= 2'	SP	AS-BUILT
BID NO.	SHT. PP2	
PROJECT NO. XXXX	26 OF 39	





Curve No.	Radius	Delta	Length	Tangent
1	50.00'	90°00'00"	78.54'	50.00'
2	50.00'	90°00'00"	78.54'	50.00'

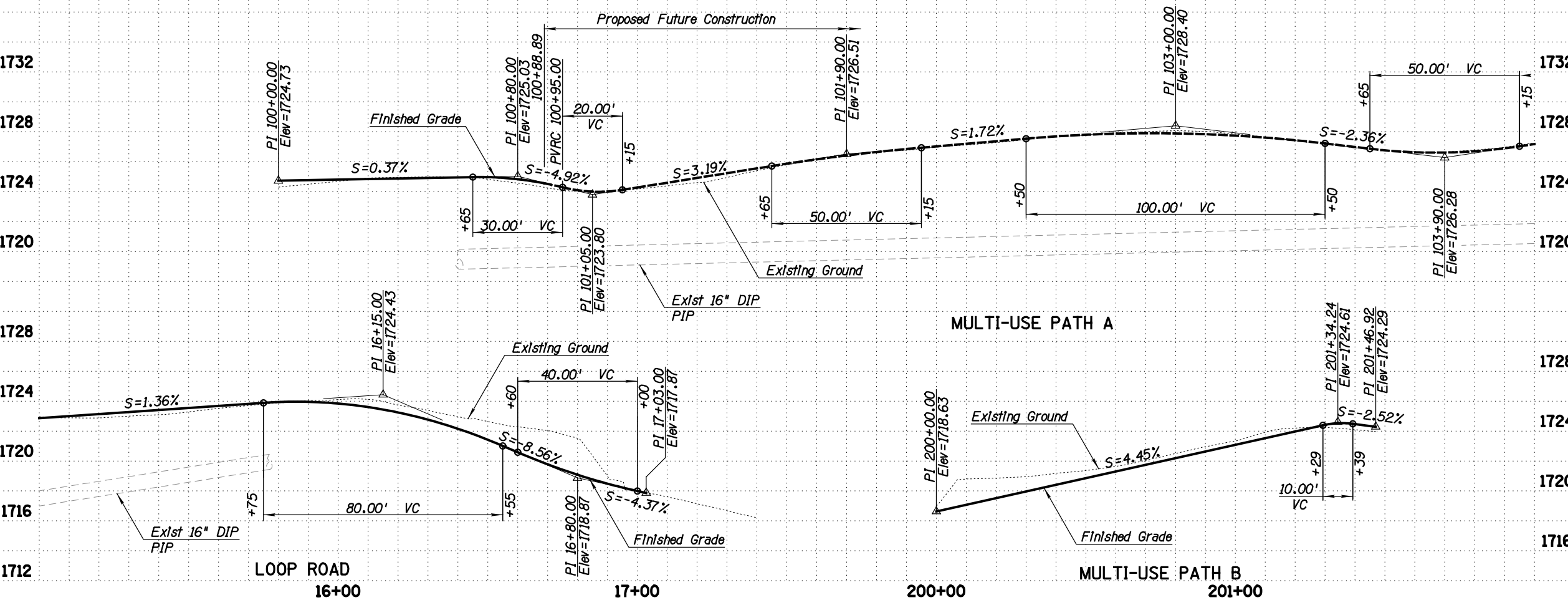


Description	Unit	Quan
1 Sawcut & Remove AC Pavement	SY	141
2 Sawcut & Remove Curb, C&G	LF	132
5 Adjust Valve Box & Cover per COS Det 2270	EA	3
10 Remove Sign, Post and Post Base	EA	4

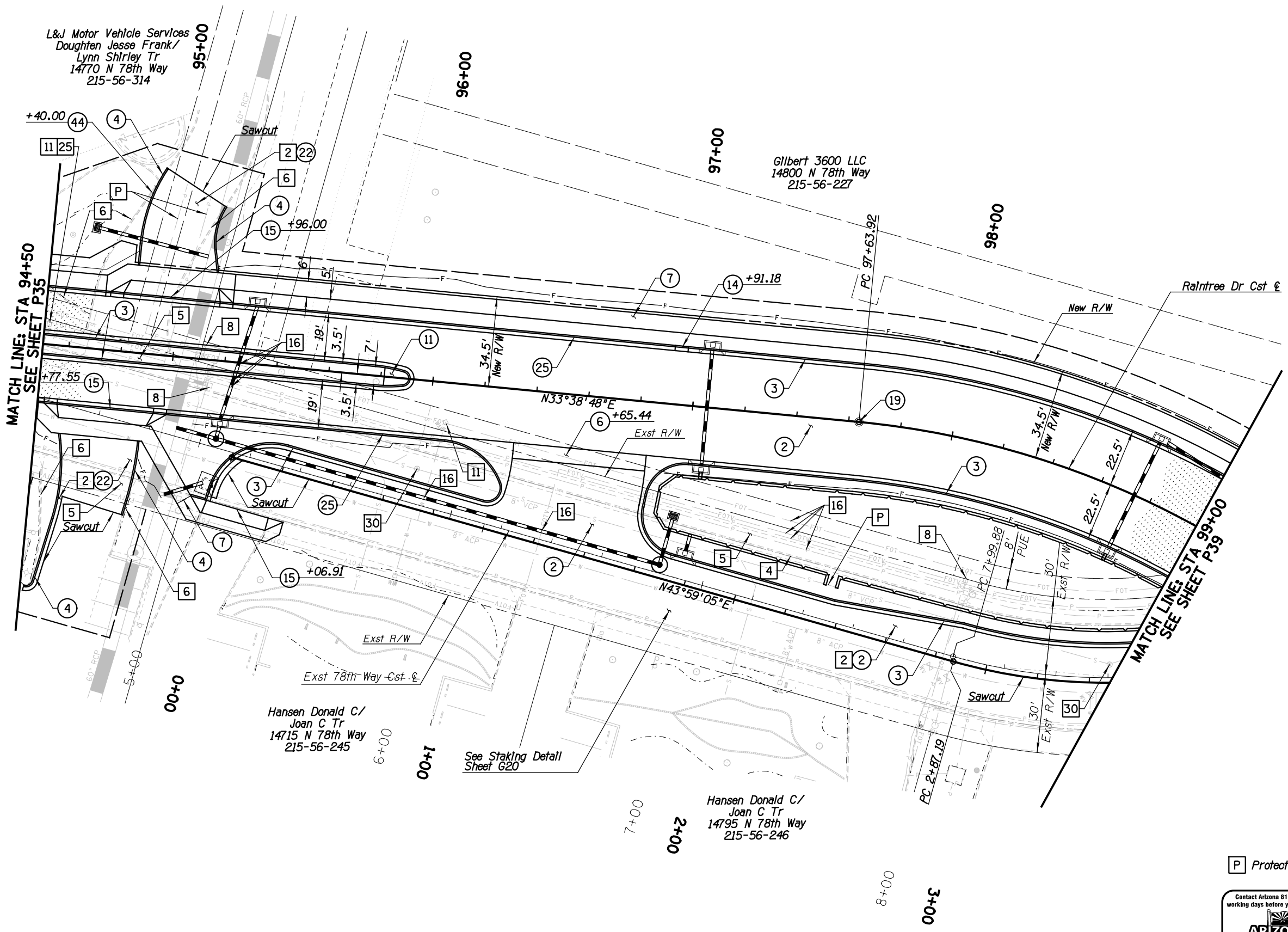
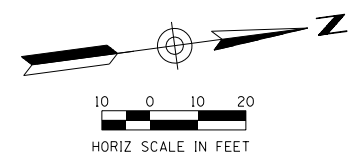
Description	Unit	Quan
1 Subgrade Preparation	SY	421
2 Pavement Structural Sec. No. 1	SY	450
13 Conc Sidewalk Ramp per Detail 1, Sheet D1	SF	54
32 Integrally Colored Conc Sidewalk (San Diego Buff) (5" Thick) per MAG Det 230	SF	3090
33 Integrally Colored Type A Vertical C&G per MAG Det 220 (San Diego Buff)	LF	136
34 Integrally Colored Type A C&G per COS Det 2220 (San Diego Buff)	LF	183
35 Integrally Colored Ribbon Curb per MAG Det 220 Type B (San Diego Buff)	LF	72
36 Integrally Colored Roll Curb per MAG Det 220 Type D (San Diego Buff)	LF	103
37 Integrally Colored 5' Conc Curb Transition (San Diego Buff)	NPI	

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- See landscaping plans for reestablishment of native plants.



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
		CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
Expire 12/31/2017 SHEET TITLE		
PLAN AND PROFILE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. 1"=2'	SP	AS-BUILT
BID NO.	SHT.	
PROJECT NO.	PP3	
XXXX	27 OF 39	



REMOVAL & RELOCATION NOTES

Description	Unit	Quan
2 Remove AC Pavement	SY	1,991
4 Remove Curb & Gutter	LF	504
5 Remove Concrete Sidewalk, Driveways & Slabs	SF	2,682
6 Remove Curb	LF	229
8 Relocate Pull Box/Pedestal Box By Others	NPI	
11 Relocate Water Meter, COS 2230 & 2345	EA	2
16 Relocate Exst Underground Utilities By Others	NPI	
25 Relocate Backflow Prevention Assembly, COS 2352	LF	1
30 Adjust Manhole Frame & Cover, COS 2270	EA	2

CONSTRUCTION NOTES

Description	Unit	Quan
2 Pavement Section No. 2 (6.5" AC, 8" AB)	SY	2,405
3 Vert Curb & Gutter, MAG 220 Type "A"	LF	766
4 Single Curb, MAG 222 Type "A"	LF	375
6 Concrete Valley Gutter, COS 2240	SF	498
7 Concrete Sidewalk, MAG 230	SF	2,644
11 Median Nose Paving, COS 2225, 2226, & D/I D	SF	52
14 Curb Transition, Type "E" to Type "A", MAG 220-2	NPI	
15 Driveway Entrance, COS 2256 And Driveway Detail Sheets	SF	1315
19 Survey Monument, COS 2120, Type "D"	EA	1
22 Pavement Section No. 4 (2.5" AC, 6" AB)	SY	222
25 Curb & Gutter (Mountable MAG 220-2, Type "E")	LF	185
44 2' Curb Opening, D/I D3	NPI	

GENERAL NOTES

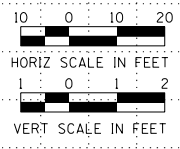
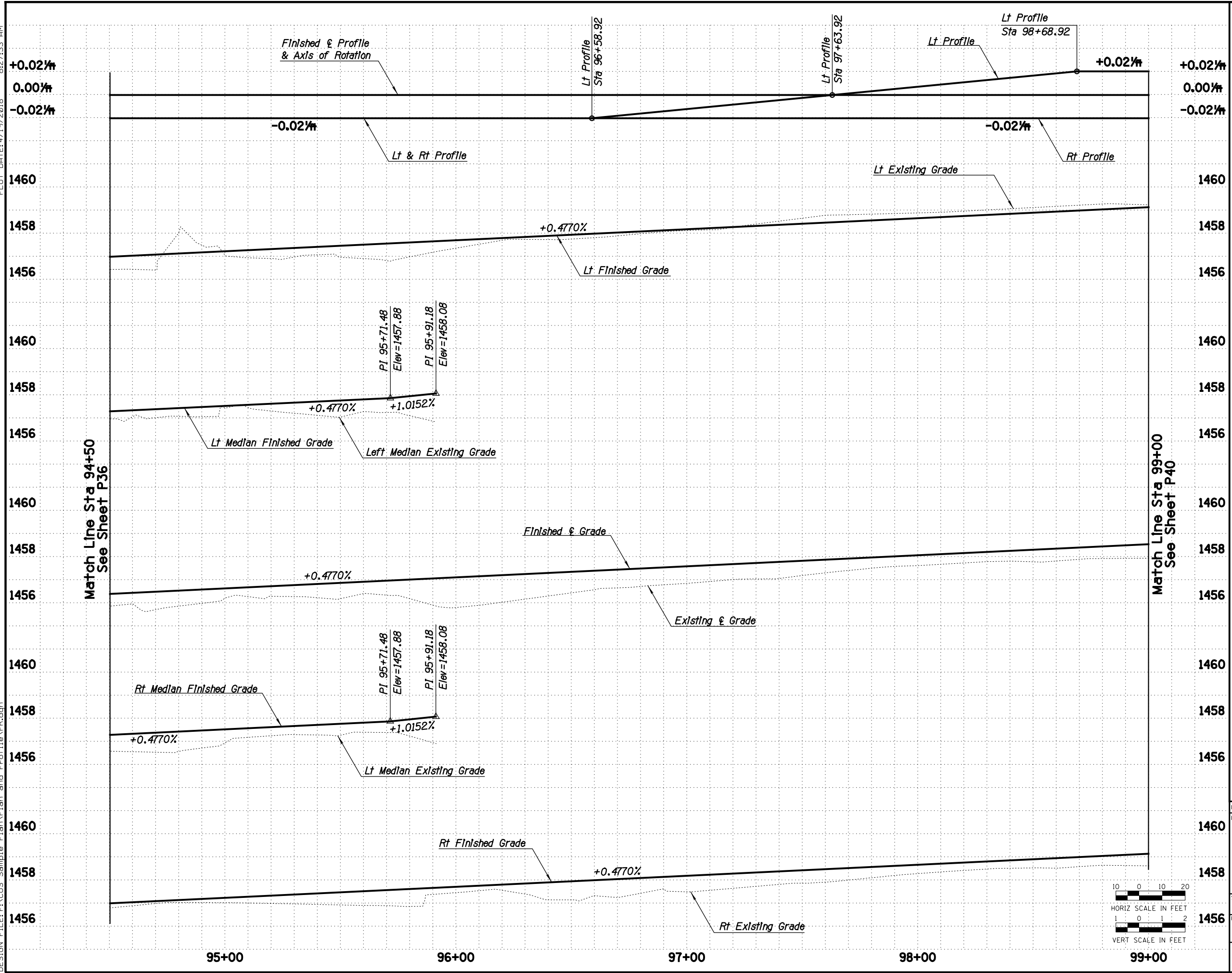
- All stations & offsets are to back of curb unless otherwise noted. All sidewalk information are to back of sidewalk unless otherwise noted.
- Contractor to verify all match points and notify engineer of any discrepancy prior to commencing construction.
- For additional driveway information see driveway detail sheets.
- For drainage information see Drainage Plans.

DATE	REVISION	BY
<p>PUBLIC WORKS CAPITAL PROJECT MANAGEMENT</p>		
<p>7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</p>		
<p>PLAN</p>		
<p>SAMPLE PLAN SET</p>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. 1"= 2'	DRAWN	AS-BUILT
<p>BID NO. _____</p>		<p>SHT. P4</p>
<p>PROJECT NO. XXXX</p>		<p>28 OF 39</p>

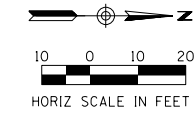
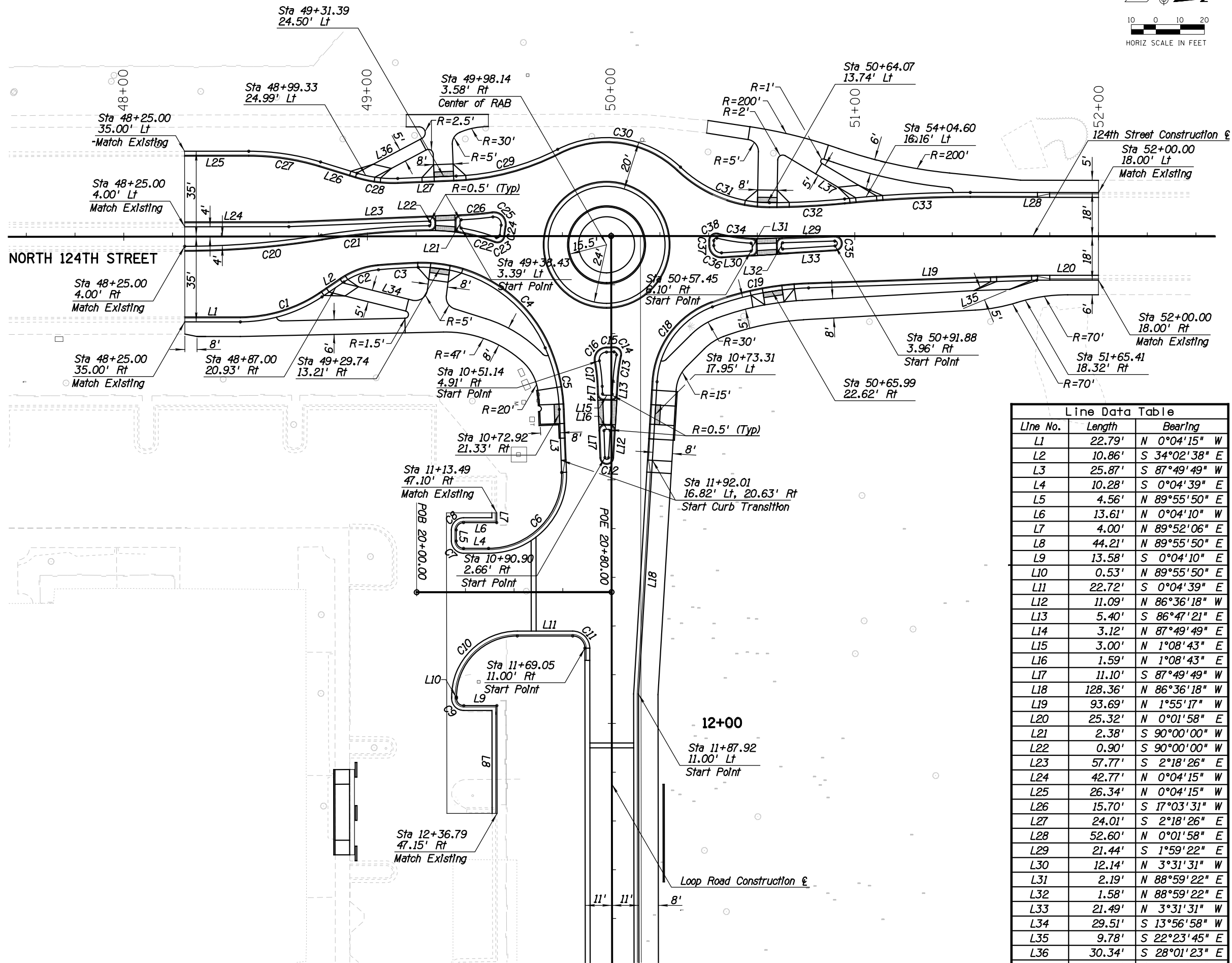
Protect In Place

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com



DATE	REVISION	BY
ENGINEER		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
PROFILE		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. 1"= 2'	DRAWN	AS-BUILT
	SP	
BID NO.	SHT.	
XXXX	PR4	
PROJECT NO.	29 OF 39	



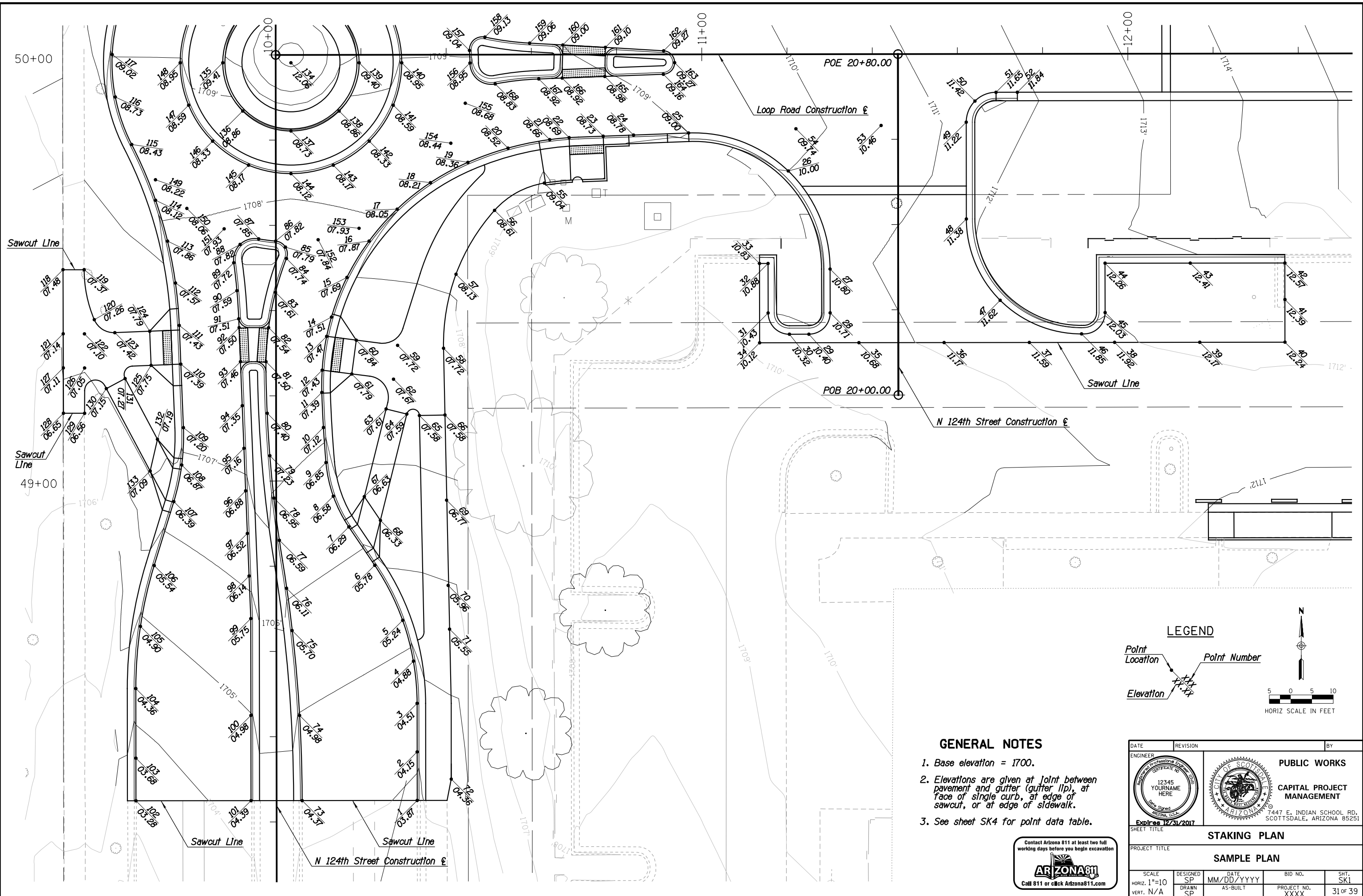
Curve Data Table				
Curve No.	Radius	Delta	Length	Tangent
C1	60.00'	33°58'23"	35.58'	18.33'
C2	30.00'	29°01'21"	15.20'	7.76'
C3	285.00'	3°17'25"	16.37'	8.19'
C4	55.00'	68°15'26"	65.52'	37.28'
C5	70.00'	21°18'15"	26.03'	13.17'
C6	30.00'	92°05'32"	48.22'	31.12'
C7	3.00'	90°00'29"	4.71'	3.00'
C8	3.00'	90°00'00"	4.71'	3.00'
C9	3.00'	90°00'00"	4.71'	3.00'
C10	25.00'	89°59'31"	39.27'	25.00'
C11	5.00'	90°00'00"	7.85'	5.00'
C12	0.75'	174°26'07"	2.30'	15.53'
C13	70.00'	8°55'11"	10.90'	5.46'
C14	1.00'	106°04'54"	1.85'	1.33'
C15	44.00'	4°00'16"	3.08'	1.54'
C16	3.00'	100°54'12"	5.28'	3.63'
C17	70.00'	8°40'46"	10.60'	5.31'
C18	35.00'	66°09'25"	40.41'	22.80'
C19	125.00'	18°31'35"	40.42'	20.39'
C20	350.00'	9°12'36"	56.26'	28.19'
C21	300.00'	8°32'00"	44.68'	22.38'
C22	72.00'	12°00'27"	15.09'	7.57'
C23	1.00'	106°27'50"	1.86'	1.34'
C24	44.00'	5°40'04"	4.35'	2.18'
C25	3.00'	105°39'16"	5.53'	3.96'
C26	138.00'	5°25'56"	13.08'	6.55'
C27	100.00'	17°07'46"	29.90'	15.06'
C28	50.00'	19°21'57"	16.90'	8.53'
C29	100.00'	24°51'08"	43.38'	22.03'
C30	44.00'	70°43'51"	54.32'	31.23'
C31	53.00'	43°33'57"	40.30'	21.18'
C32	300.00'	5°53'45"	30.87'	15.45'
C33	500.00'	5°55'22"	51.69'	25.87'
C34	72.00'	11°19'16"	14.23'	7.14'
C35	1.00'	178°27'51"	3.12'	74.61'
C36	3.00'	93°53'19"	4.92'	3.21'
C37	44.00'	2°37'40"	2.02'	1.01'
C38	1.00'	106°27'47"	1.86'	1.34'

Line Data Table		
Line No.	Length	Bearing
L1	22.79'	N 0°04'15" W
L2	10.86'	S 34°02'38" E
L3	25.87'	S 87°49'49" W
L4	10.28'	S 0°04'39" E
L5	4.56'	N 89°55'50" E
L6	13.61'	N 0°04'10" W
L7	4.00'	N 89°52'06" E
L8	44.21'	N 89°55'50" E
L9	13.58'	S 0°04'10" E
L10	0.53'	N 89°55'50" E
L11	22.72'	S 0°04'39" E
L12	11.09'	N 86°36'18" W
L13	5.40'	S 86°47'21" E
L14	3.12'	N 87°49'49" E
L15	3.00'	N 1°08'43" E
L16	1.59'	N 1°08'43" E
L17	11.10'	S 87°49'49" W
L18	128.36'	N 86°36'18" W
L19	93.69'	N 1°55'17" W
L20	25.32'	N 0°01'58" E
L21	2.38'	S 90°00'00" W
L22	0.90'	S 90°00'00" W
L23	57.77'	S 2°18'26" E
L24	42.77'	N 0°04'15" W
L25	26.34'	N 0°04'15" W
L26	15.70'	S 17°03'31" W
L27	24.01'	S 2°18'26" E
L28	52.60'	N 0°01'58" E
L29	21.44'	S 1°59'22" E
L30	12.14'	N 3°31'31" W
L31	2.19'	N 88°59'22" E
L32	1.58'	N 88°59'22" E
L33	21.49'	N 3°31'31" W
L34	29.51'	S 13°56'58" W
L35	9.78'	S 22°23'45" E
L36	30.34'	S 28°01'23" E
L37	33.67'	N 30°47'26" E

GENERAL NOTES
 1. Geometric offsets and dimensions are to the back of curb unless otherwise indicated.



DATE	REVISION	BY
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE: GEOMETRIC CONTROL PLAN		
PROJECT TITLE: SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. N/A	SP	AS-BUILT
BID NO.	SHT.	
XXXX	GC1	
PROJECT NO.		
XXXX		
		30 OF 39



LEGEND

Point Location

Point Number

Elevation

HORIZ SCALE IN FEET

- GENERAL NOTES**
1. Base elevation = 1700.
 2. Elevations are given at Joint between pavement and gutter (gutter lip), at face of single curb, at edge of sawcut, or at edge of sidewalk.
 3. See sheet SK4 for point data table.



DATE	REVISION	BY
ENGINEER		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
STAKING PLAN		
PROJECT TITLE		
SAMPLE PLAN		
SCALE	DESIGNED	DATE
HORIZ. 1"=10'	SP	MM/DD/YYYY
VERT. N/A	DRAWN	AS-BUILT
	SP	
	BID NO.	SHT.
	PROJECT NO.	SK1
	XXXX	31 OF 39

Point Data Table with columns Pt., Northing, Easting, Elev. Rows 1-65.

Point Data Table with columns Pt., Northing, Easting, Elev. Rows 66-130.

Point Data Table with columns Pt., Northing, Easting, Elev. Rows 131-195.

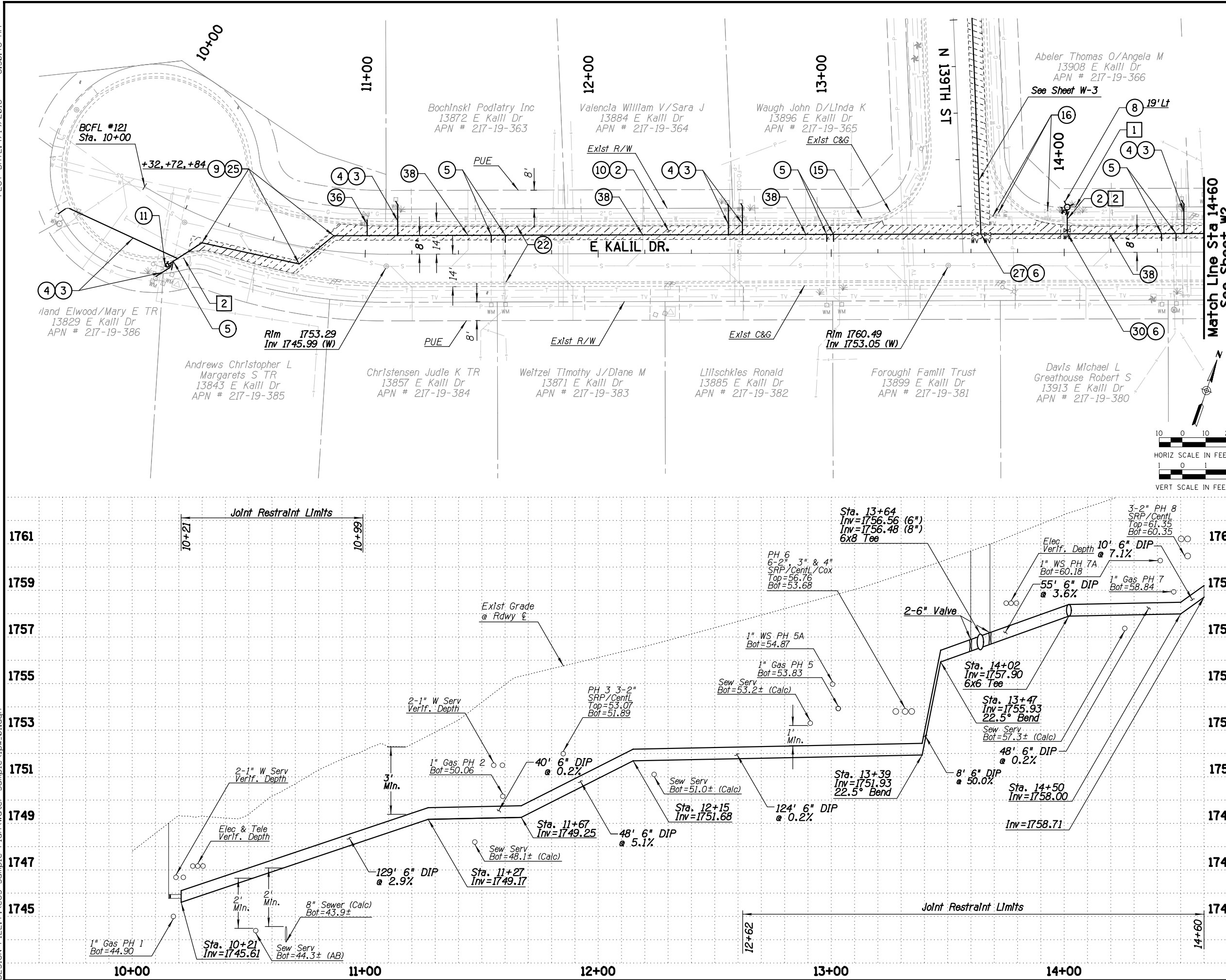
Point Data Table with columns Pt., Northing, Easting, Elev. Rows 196-260.

Point Data Table with columns Pt., Northing, Easting, Elev. Rows 261-325.

Point Data Table with columns Pt., Northing, Easting, Elev. Rows 326-390.

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Professional Engineer seal for Scott J. Ameszi, License No. 12345. Project Title: STAKING POINT TABLES. Scale: N/A. Date: 12/31/2017.



REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Remove Fire Hydrant Assembly per Def. 2 on Sheet G-4	EA	1
2 Remove & Replace Curb & Gutter, Match Type & Color In Kind.	LF	12

CONSTRUCTION NOTES

Description	Unit	Quan
2 Install 6" D.I.P. Waterline	LF	462
3 Install 1" Service Line	LF	127
4 Connect Water Service Line to New Water Main & Exlst. Water Meter per COS Def. 2330	EA	6
5 Connect Exlst. Water Service Line to New Water Main per Def. 5 on Sheet G-4	EA	7
6 Install 6" Gate Valve, Box & Cover per MAG Def. 391-1, 'C' Adjust Frame & Cover per COS Def. 2270	EA	3
8 Install Fire Hydrant Assembly per MAG Def. 360	EA	1
9 Install Ballmarker per COS Def. 2397	EA	3
10 Pavement Replacement per COS Def. 2200 3" AC (3/4" Marshall Mix)	SY	201
11 Install Curb Stop Assembly per MAG Def. 390, Type 'B'	EA	1
15 Abandon Existing Waterline In Place	NPI	
16 Abandon Exlst Water Valve per Def. 3 on Sheet G-4	EA	3
22 Asphalt Emulsion Slurry Seal By Others		
25 Install 6" 45° Bend	NPI	
27 Install 6" x 8" Tee	NPI	
30 Install 6" x 6" Tee	NPI	
36 Install 3/4" Copper Supply Line & Ball Valve per COS Def. 2349 Connect To Exlst 3/4" Line; Salvage Exlst Ball Valve	LS	1
38 Waterline Joints Shall Be Separated Min. Six Feet of Sewer Service Crossing	NPI	

GENERAL NOTES

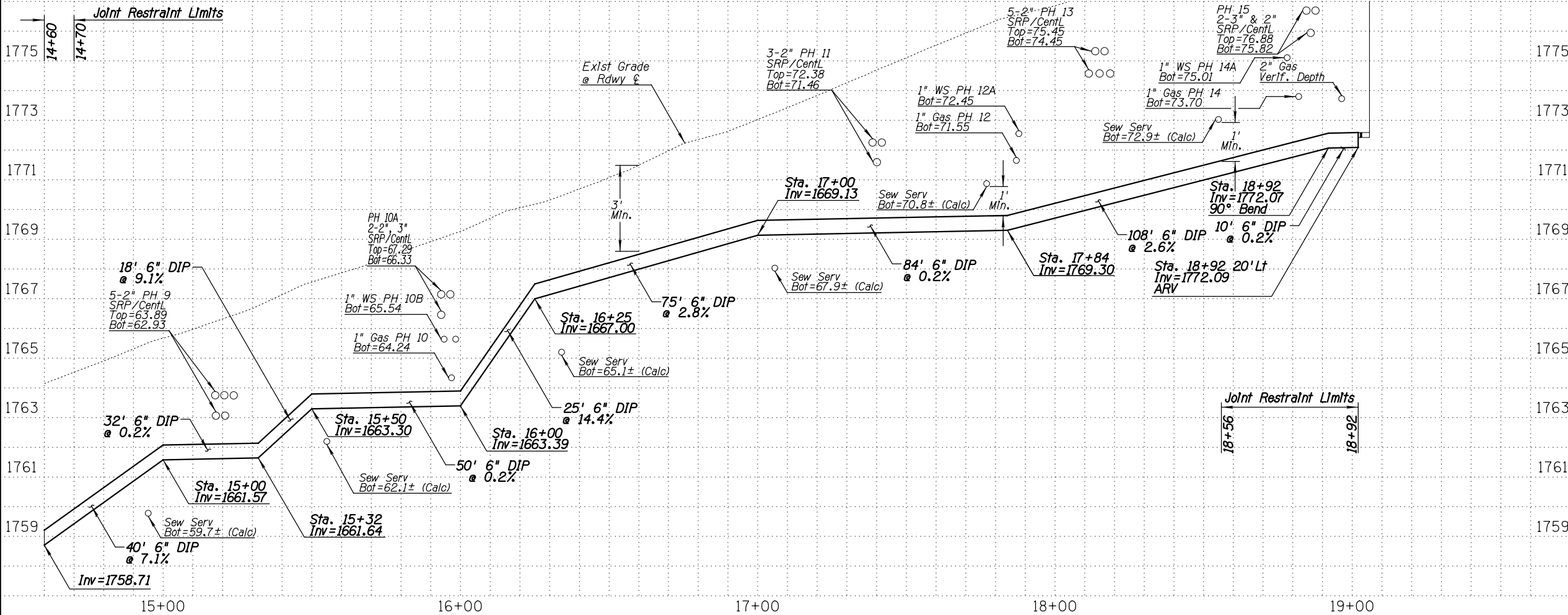
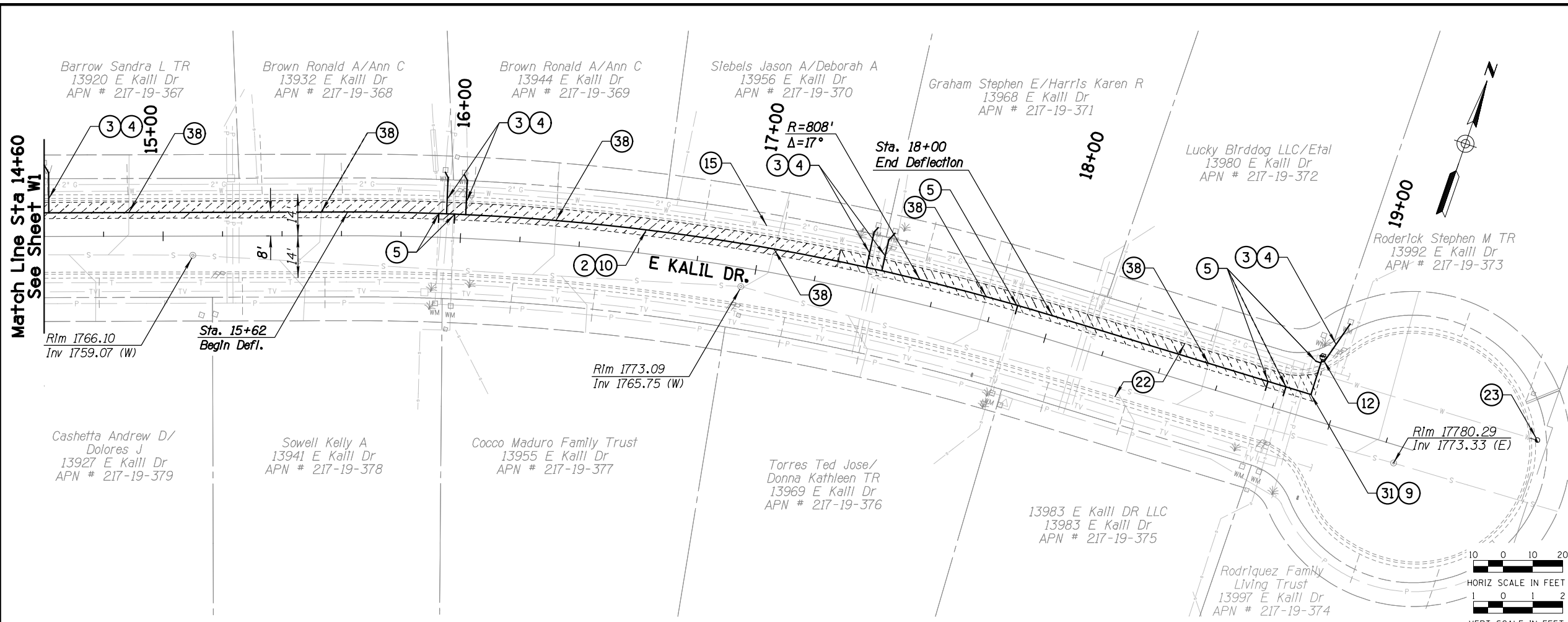
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DATE	REVISION	BY
ENGINEER		
PROJECT TITLE	PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
WATERLINE PLAN & PROFILE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	DD/MM/YYYY
VERT. 1"=2'	DRAWN	AS-BUILT
	SP	
BID NO.	PROJECT NO.	SHT.
	XXXX	34 OF 39

PLOT DATE: 4/19/2018 8:31:19 AM

DESIGN FILE: P:\COS Sample Plan\Water Sample\lpw_02.dgn



REMOVAL & RELOCATION NOTES		
Description	Unit	Quan

CONSTRUCTION NOTES		
Description	Unit	Quan
② Install 6" D.I.P. Waterline	LF	443
③ Install 1" Service Line	LF	88
④ Connect Water Service Line to New Water Main & Exlst. Water Meter per COS Def. 2330	EA	7
⑤ Connect Exlst. Water Service Line to New Water Main per Def. 5 on Sheet G-4	EA	6
⑨ Install Ballmarker per COS Def. 2397	EA	1
⑩ Pavement Replacement per COS Def. 2200 3" AC (3/4" Marshall Mix)	SY	194
⑫ Install Air Release Valve per COS Def. 2348	EA	1
⑮ Abandon Existing Waterline In Place	NPI	
⑳ Asphalt Emulsion Slurry Seal By Others		
㉓ Abandon Exlst Curb Stop per Def. 4 on Sheet G-4	EA	1
㉑ Install 6" 90° Bend	NPI	
㉒ Waterline Joints Shall Be Separated Min. Six Feet of Sewer Service Crossing	NPI	

GENERAL NOTES

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DATE	REVISION	BY

ENGINEER: PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT

7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

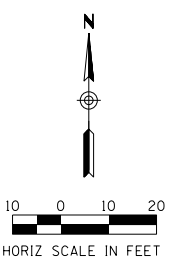
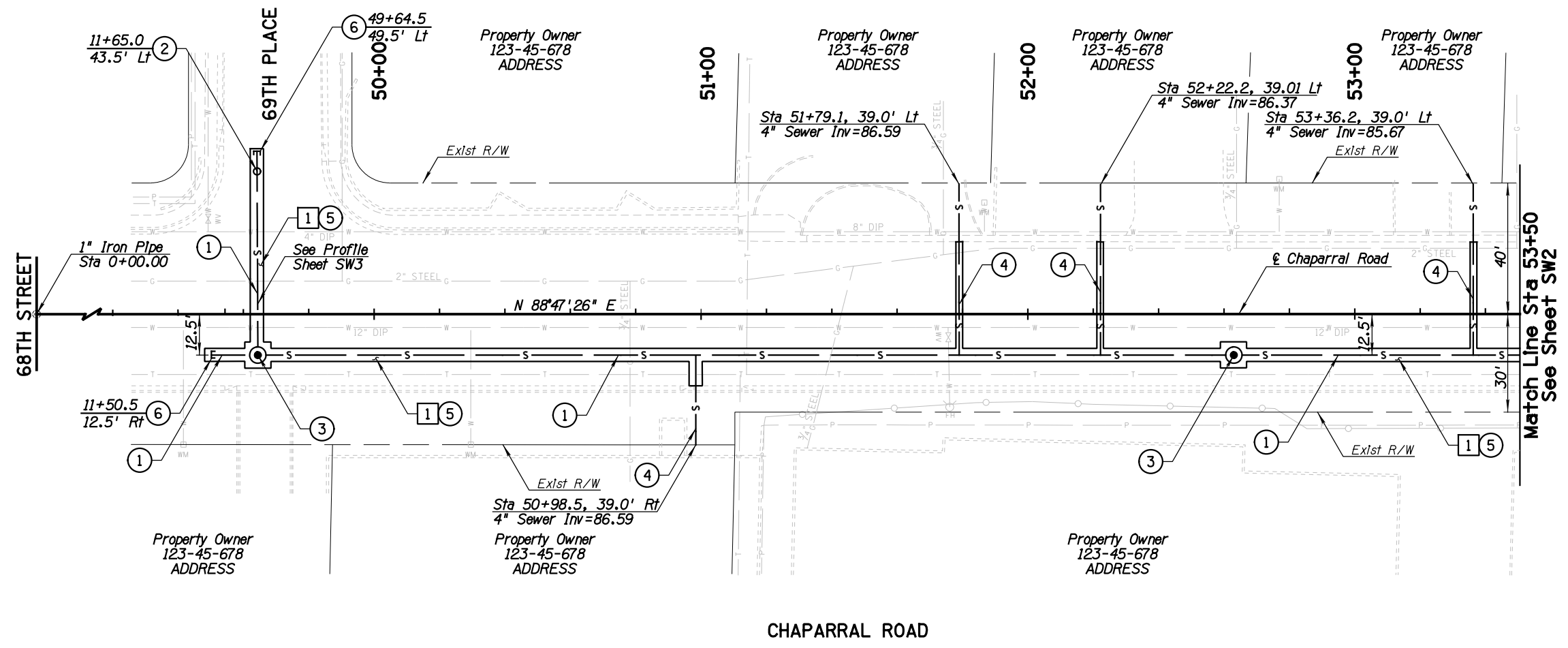
Expires MM/DD/YEAR

SHEET TITLE: **WATERLINE PLAN & PROFILE**

PROJECT TITLE: **SAMPLE PLAN SET**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	SP	DD/MM/YYYY		W2
VERT. 1"=2'	DRAWN	AS-BUILT	PROJECT NO. XXXX	35 OF 39

DESIGN FILE: P:\COS Sample Plan\Sample Sewer SW1.dgn PLOT DATE: 4/19/2018 8:31:59 AM



REMOVAL & RELOCATION NOTES

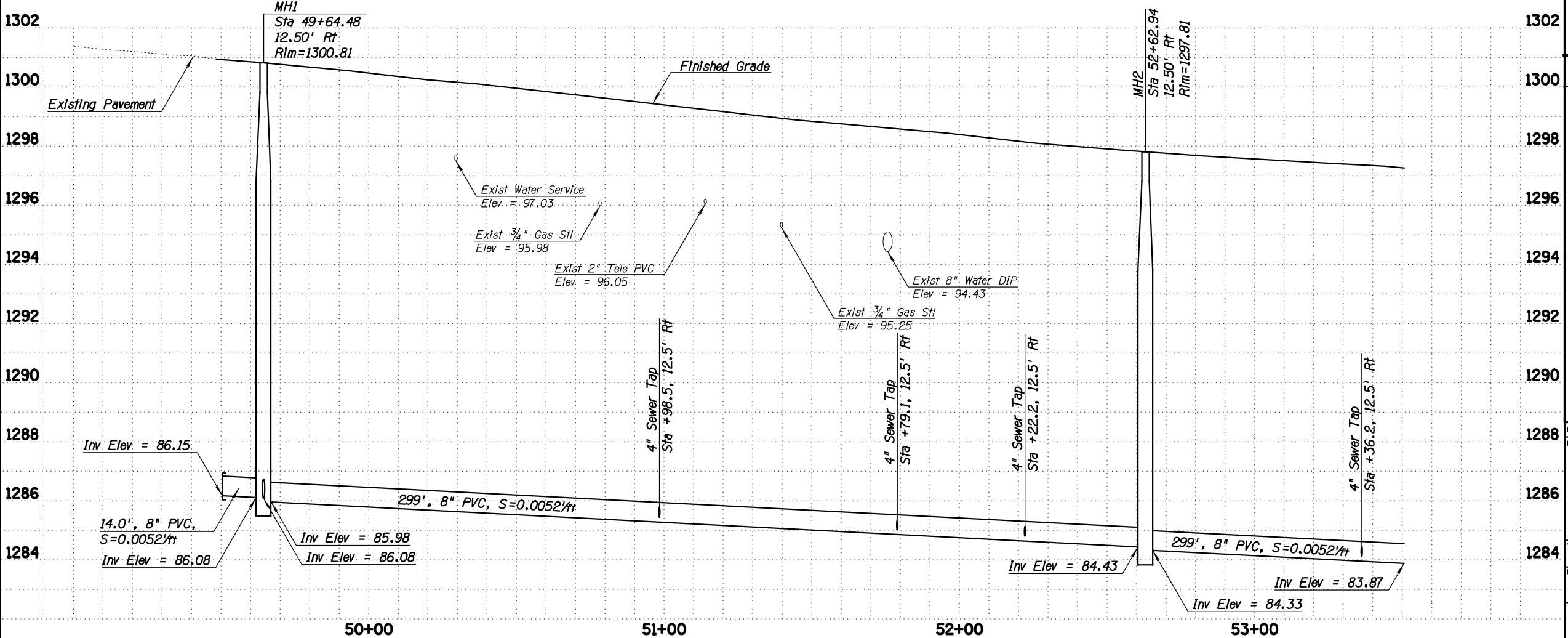
Description	Unit	Quan
1 Sawcut & Remove AC Pavement	SY	238

CONSTRUCTION NOTES

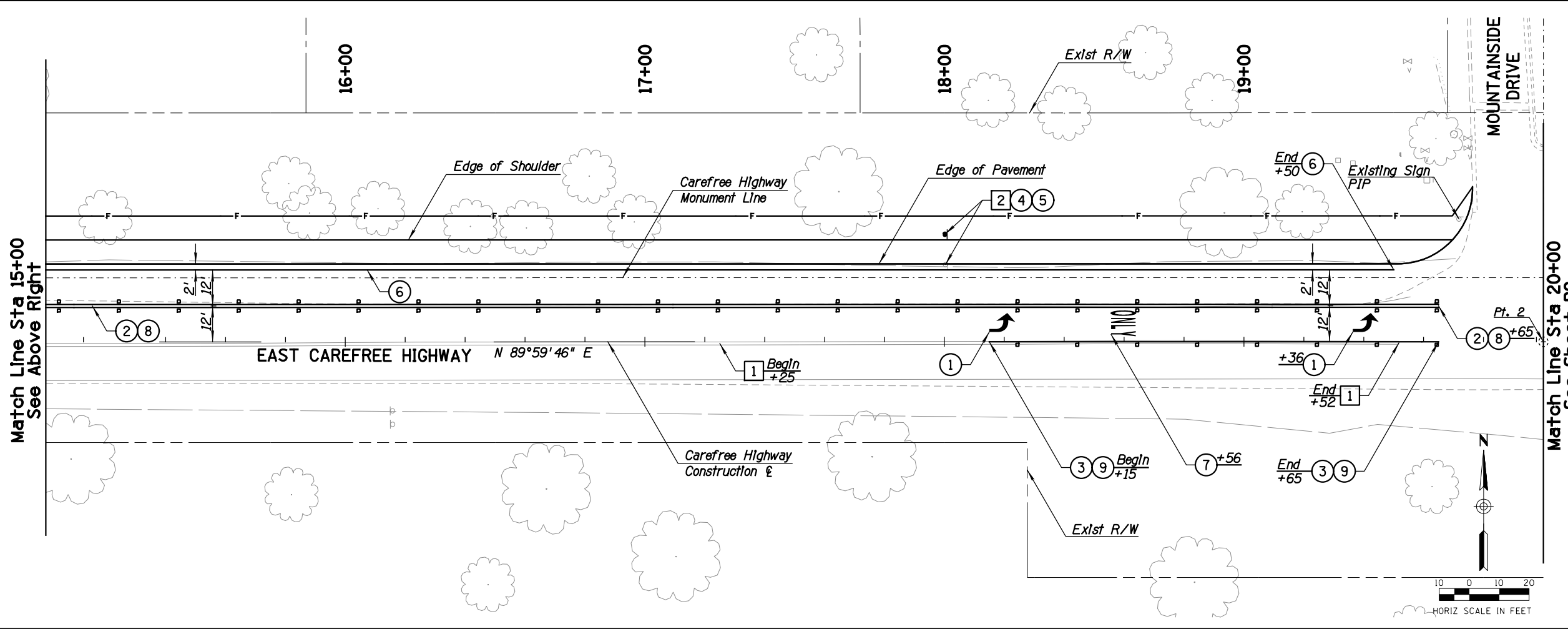
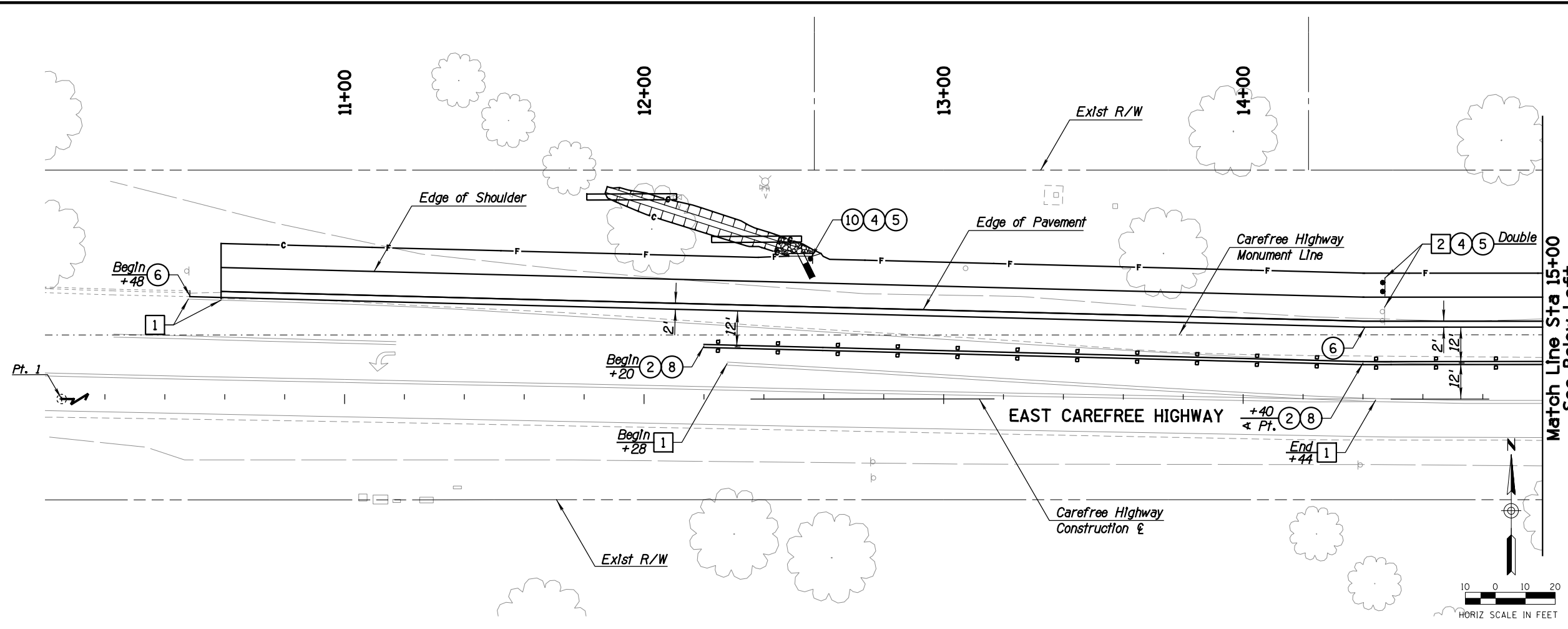
Description	Unit	Quan
1 8" PVC Sewer Line	LF	450
2 8" Sewer Cleanout, MAG 441	EA	1
3 5' Dia. Manhole 10' to 15' Depth, MAG 420, Cover per COS 2421	EA	2
4 4" Sewer Building Connection, MAG 440 (Type C) See General 2	EA	4
5 Pavement Replacement, COS 2200	SY	238
6 Pipe Plug, Less Than 12", MAG 427	EA	2

GENERAL NOTES

- Utility locations are approximate. No representation is made that the utility locations are accurate, complete, or exclusive. The contractor shall contact "Blue Stake" at 602-263-1100 or the appropriate utility prior to construction.
- To preserve space for future storm drain extension, sewer connections shall be installed at the minimum slope of 1/4" per foot (no steeper).



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
SEWER PLAN		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED SP	DATE
HORIZ. 1"=20'	MM/DD/YYYY	BID NO.
VERT. 1"=2'	AS-BUILT	SHT. SW1
PROJECT NO. XXXX		36 OF 39



REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Remove Traffic Markings 4" Equivalent per COS Specs. 350	LF	887
2 Remove Sign Panel, Post, & Post Base. Salvage & Relocate Sign Panel with New Post & Post Base.	EA	2

CONSTRUCTION NOTES

Description	Unit	Quan
1 Type 1 Preformed Pavement Marking, Arrow per ADOT Std. Dwg. M-10	EA	2
2 4" Double Yellow Line	LF	1490
3 8" Solid White Line	LF	300
4 Install Telespar Sign Post per COS Det 2131	LF	27
5 Install Telespar Sign Post Base per COS Det 2131	EA	4
6 4" Solid White Line	LF	902
7 Type 1 Preformed Pavement Marking, Legend per ADOT Std. Dwg. M-6	EA	1
8 Raised Pavement Markers, Type "D" (COS 2132, ADOT M-19)	EA	76
9 Raised Pavement Markers, Type "G" (COS 2132, ADOT M-19)	EA	8
10 Object Marker Sign Panel Type 2H, COS 2133	EA	1

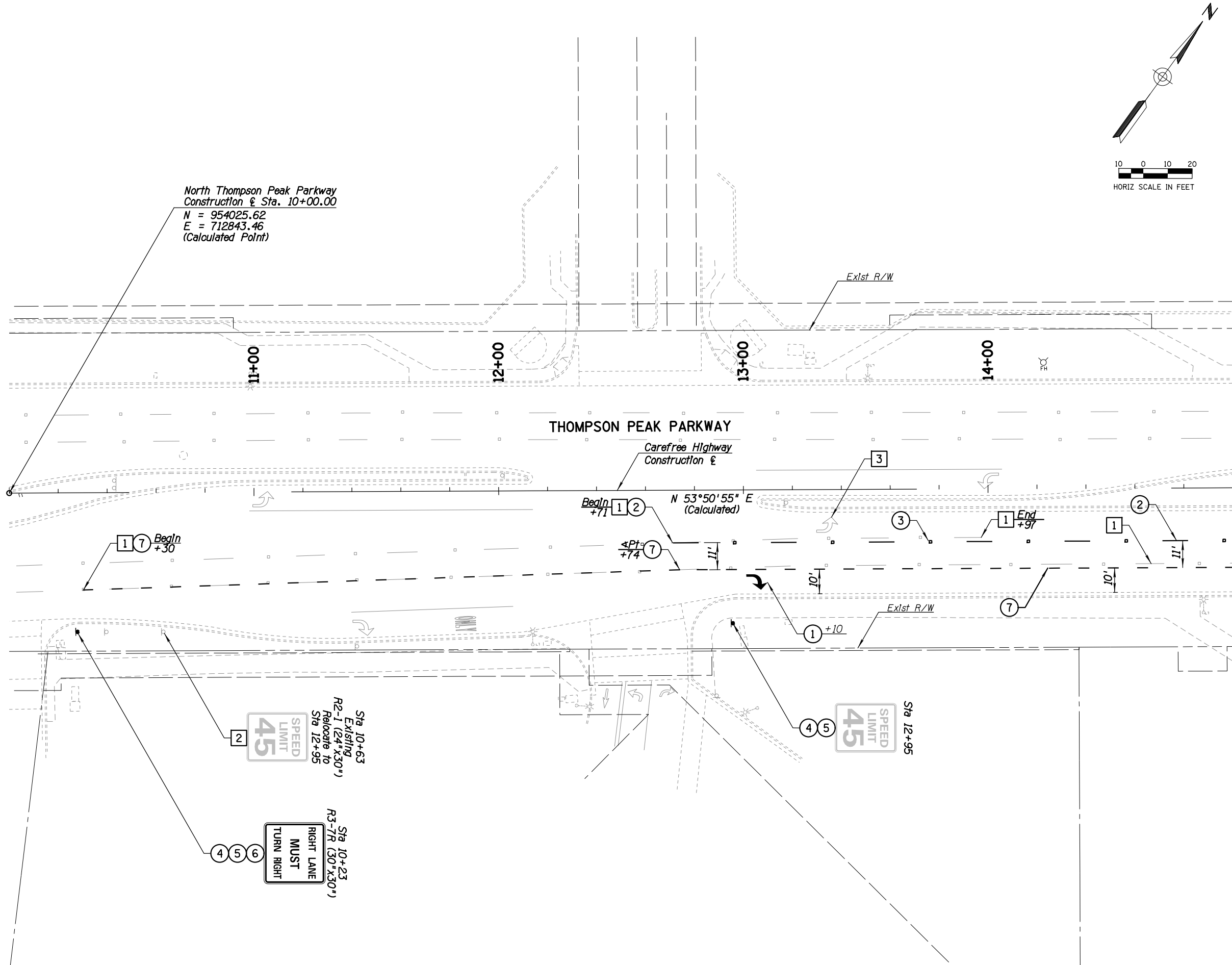
GENERAL NOTES

1. Striping quantities are based on a 4" equivalent stripe.
2. New lane width dimensions are from center of stripe to center of stripe or from center of stripe to lip of curb.
3. Construction center line and sawcut lines are not shown for clarity.

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DATE	REVISION	BY
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
SIGNING AND MARKING		
PROJECT TITLE		
SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. N/A	SP	AS-BUILT
BID NO.		SHT. SM1
PROJECT NO. XXXX		37 OF 39



REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Remove Traffic Markings 4" Equivalent per COS Specs. 350	LF	160
2 Remove Sign Panel, Post, & Post Base. Salvage & Relocate Sign Panel with New Post & Post Base.	EA	1
3 Remove Traffic Markings (Arrow, Symbol, or Legend) per COS Specs. 350	EA	1

CONSTRUCTION NOTES

Description	Unit	Quan
1 Type 1 Preformed Pavement Markings, Single Arrow per ADOT Std. Dwg M-10	EA	1
2 4" Sklp White Line (10' Stripe 30' Space)	LF	60
3 Install Type G RPM's at 40' spacing per COS Def 2132	EA	6
4 Install Telespar Sign Post per COS Def 2131	LF	22
5 Install Telespar Sign Post Base per COS Def 2131	EA	2
6 Install Reflective Traffic Sign Panel per COS Def 2131	SF	7
7 8" Sklp White Line (2' Stripe 4' Space)	LF	313

GENERAL NOTES

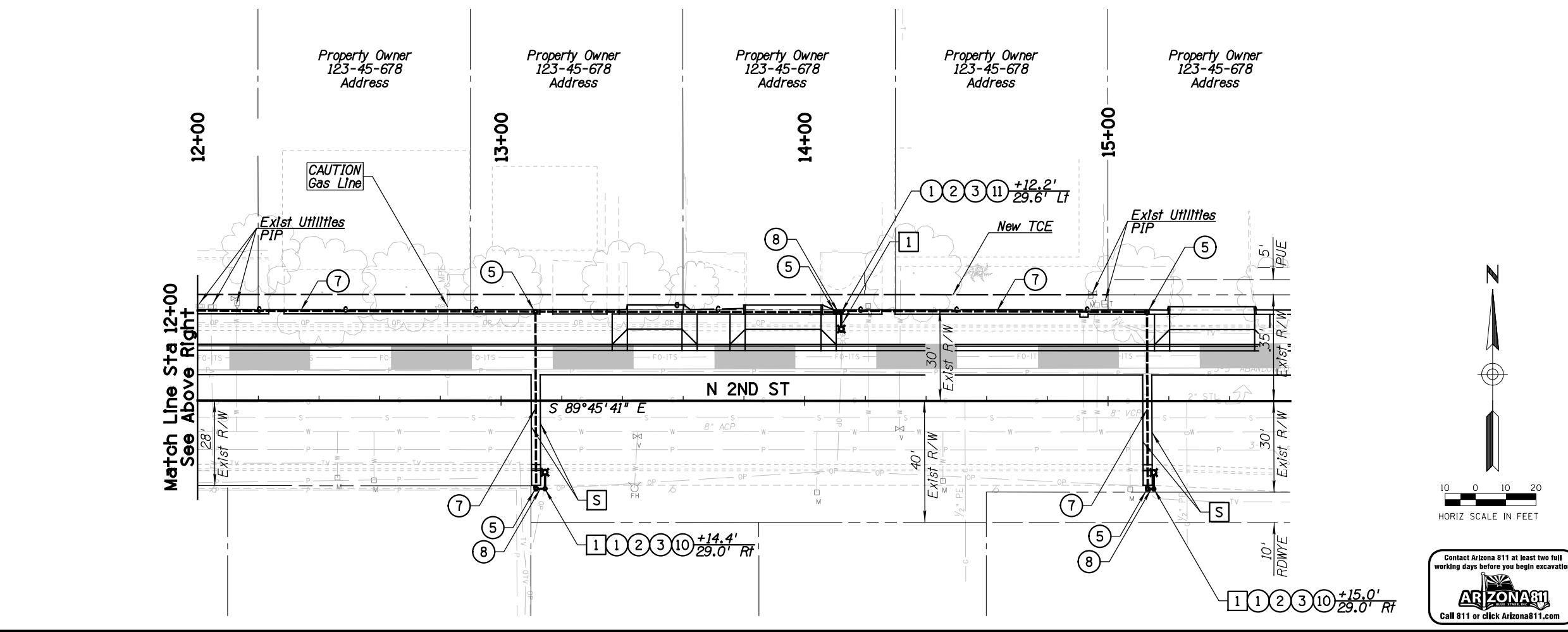
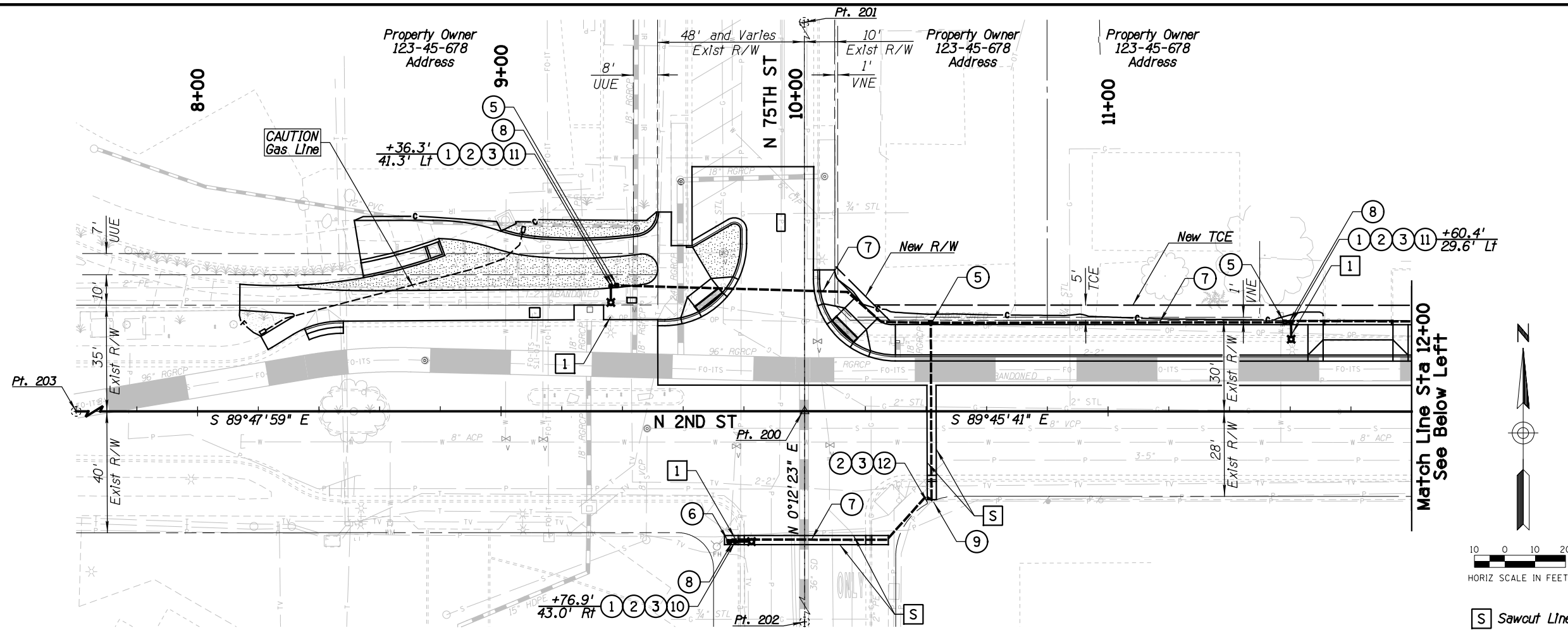
1. Striping quantities are based on a 4" equivalent stripe.
2. New lane width dimensions are from center of stripe to center of stripe or from center of stripe to lip of curb.
3. Payment for removal of existing RPM's shall be considered as Included in bid item "Remove Traffic Markings".



DATE	REVISION	BY
<p>PUBLIC WORKS</p> <p>CAPITAL PROJECT MANAGEMENT</p>		<p>7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</p>

SIGNING AND MARKING

PROJECT TITLE				
SAMPLE PLAN				
SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	SP	MM/DD/YYYY		SM1
VERT. N/A	DRAWN	AS-BUILT	PROJECT NO.	38 OF 39
	SP		XXXX	



REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Remove Street Light Pole and Salvage Luminaire	EA	6

CONSTRUCTION NOTES		
Description	Unit	Quan
1 Street Light Pole	EA	6
2 Luminaire	EA	7
3 Photo Electric Cell	EA	7
5 Street Light Junction Box Per APS Standard Detail 8655-8657	EA	8
6 Street Light Junction Box Per APS Standard Detail 8663	EA	1
7 Street Light Conduit (2.5") and Trench Per APS Electrical Service Requirements Section 502.12-1	LF	850
8 Street Light Conduit (1") and Trench Per APS Standard Detail 8040	LF	15
9 Miscellaneous Work (Stub Conduits Into Existing APS Junction Box)	LS	1
10 Street Light Mastarm (2"x20"x6')	EA	3
11 Street Light Mastarm (2"x3'x8')	EA	3
12 Miscellaneous Work (Protect Existing Light Pole In Place)	LS	1

- GENERAL NOTES**
- All conduit and symbols are for diagrammatical purposes only. Contractor shall coordinate with City and APS for final locations and routing.
 - Coordinate with APS to de-energize the power before removal of street light poles and luminaires.
 - Coordinate with the City to salvage the existing luminaires and deliver the luminaires to the location directed by the City.
 - Street light poles shall be 38'-6" round galvanized steel per MS-1944 with universal 1 bolt simplex foot per MS-8181. Simplex set 9" from pole top, cable entrance 4'-8" from butt, hand hole 10' from butt Verpox or Corrocoat bottom 7' of pole. Settling depth 6'-6", above ground 32'. Pole may be step or continuous tapered, APN 33701443, MFG Part No. MS-1944 CEM-TEC, CB09159 Valmont, or SWF-33701443 Southwest Fabrication, LLC. Pole color shall be galvanized steel that matches the existing pole on the southeast corner of 75th St. and 2nd St.
 - Luminaires shall be LED light fixture (GE Evolve Model No. ERL1-0-10-C3-30-E-GRAY-R)
 - Miscellaneous work (Stub Conduits Into Existing APS Junction Box) shall include coordinating with APS to de-energize existing circuits and re-energize circuits.
 - Street light mast arm shall be per APS standard detail 8040 and finish color to match light poles.

DATE	REVISION	BY
PUBLIC WORKS CAPITAL PROJECT MANAGEMENT		
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
Expires 12/31/2017		
ELECTRICAL LIGHTING PLAN		
PROJECT TITLE: SAMPLE PLAN SET		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	SP	MM/DD/YYYY
VERT. N/A	SP	AS-BUILT
BID NO.		SHT. ELI
PROJECT NO. XXXX		39 OF 39

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