

	PINNACLE PEAK ROAD
	PHOENIX STREET — MARICOPA CO.
	45TH AVENUE TO 35TH AVENUE
DATE	LEGEND
<u>B</u>	▲ BENCHMARK
X KD	● NEW SURVEY MONUMENT - M.A.G. DETAIL 120-1 TYPE "B"
B B DE	■ NEW SURVEY MONUMENT - M.A.G. DETAIL 120-1 TYPE "A"
	COMBINED CURB & GUTTER - M.A.G. DETAIL 220 TYPE "A"
OF	BACKFILL TYPE & SQ. YD. PVMT. REPLACEMENT - C.O.P. DETAIL P1200
CITY	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
	/////////////// NEW CONCRETE SIDEWALK - STD. DETAIL P1230
DESCRIPTION	NEW CONCRETE DRIVEWAY OR ALLEY ENT. PER DETAIL NO. ON PLANS
DESCRIF	NEW CONCRETE SIDEWALK RAMP PER DETAIL ON PLANS
3	AVERAGE GROUND ELEVATION AT R/W LINE
	BACKFILL COMPACTION TYPE
Ö	EXISTING DITCH
	24" IRR (SRP) EXISTING IRRIGATION LINE W/SIZE (NOTE PRIVATE, SALT RIVER OR R.I.D.)
	EXISTING IRRIGATION STRUCTURE
	EXISTING IRRIGATION STANDPIPE
	NEW IRRIGATION STANDPIPE - M.A.G. DETAIL 503
	NEW IRRIGATION VALVE - M.A.G. DETAIL 506 W/ CONC. SCOURING BASIN
	IRRIGATION BERM
	——————————————————————————————————————
DATE	36" DIP W EXISTING WATER LINE W/SIZE & TYPE (GREATER THAN 12")
BK O	
X CKD	→ ADJUST EXIST. WATER VALVE BOX - C.O.P. DETAIL P1391
PHOENIX REV BY CKI	—— 3/4" w—□ WATER SERVICE W/SIZE AND WATER METER BOX ⊗ EXISTING FIRE HYDRANT
90	NEW OR RELOCATED FIRE HYDRANT BY CONTRACTOR
	EXISTING WATER VALVE W/TOP OF OPERATING NUT ELEVATION
BY CI	EXISTING WATER VALVE W/TOP OF OPERATING NOT ELEVATION
N N N N N N N N N N N N N N N N N N N	30" VCP S EXISTING SANITARY SEWER LINE W/SIZE & TYPE (GREATER THAN 12")
REVISION BY DESCRIPTION	
RED	——————————————————————————————————————
	CATCH BASIN, GUTTER INLET (LENGTH TO SCALE)
Ö	CATCH BASIN, CURB INLET (LENGTH TO SCALE) CATCH BASIN, CURB & GUTTER INLET (LENGTH TO SCALE)
	30" SD (RCP) EXISTING STORM DRAIN LINE W/SIZE & TYPE (GREATER THAN 12")
	NEW PIPE FOR STORM DRAIN OR IRRIGATION LINE
	E-4D EXISTING UNDERGROUND ELECTRIC DUCT (SPECIFY NUMBER)
	— T-40 — EXISTING UNDERGROUND TELEPHONE DUCT (SPECIFY NUMBER) — CATV — EXISTING UNDERGROUND CABLE TV
DATE	
CKD BY	\vdash Existing traffic signal pole W/mast arm & signal indications \forall
PHOENIX REV BY CKI	EXISTING STREET OR TRAFFIC SIGN O EXISTING UTILITY POLE W/LINE INDICATING WIRE DIRECTION
PHC REV I	
PO	EXISTING BLOCK FENCE
CITY	[∭] MAIL BOX
≽ NO NO	← EXISTING POWER POLE DOWN GUY ANCHOR
1 1211 1 1 11	•—————————————————————————————————————
DESCRIE	PROPOSED STREET LIGHT & POLE
R	EXISTING TREE OR STUMP TO BE REMOVED - MORE THAN 12" DIA.
	EXISTING TREE TO BE TRANSPLANTED BY CONTRACTOR
o v	EASEMENT LINE FYISTING OR NEW R/W LINE
	EXISTING OR NEW R/W LINE PAVEMENT CENTER LINE OR MONUMENT LINE
	EXISTING TREE OR STUMP TO BE REMOVED 12" DIA. OR LESS (NON PAY ITEM)
	EXISTING TREE TO REMAIN
	EDGE OF FILL SLOPE (APPROX.)

O NEW CHAIN LINK FENCE

LEGEND AND NOTES

NOTES

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS AND DETAILS, CITY OF PHOENIX SUPPLEMENTS TO MAG STANDARD SPECIFICATIONS AND DETAILS, AND MAG STANDARD SPECIFICATIONS AND DETAILS, IN THAT ORDER OF PRECEDENCE, AT THE TIME OF CONSTRUCTION BID.

ALL STORM SEWER MANHOLES ARE TO BE CONSTRUCTED WITHOUT STEPS.

PIPE CONNECTIONS TO EXISTING CONCRETE PIPE MAINS SHALL BE MADE IN ACCORDANCE WITH DETAILS CALLED OUT ON THE PLANS. CONNECTION TO MAINS SHALL NOT BE CLOSER THAN 5', CENTER TO CENTER.

PIPE CONNECTIONS TO NEW PRECAST CONCRETE PIPE MAINS, SHALL BE MADE WITH FACTORY MADE WYES OR TEES. THE DETAIL OF THE FITTINGS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO MANUFACTURE. PIPE CONNECTIONS TO NEW CAST IN PLACE CONCRETE PIPE MAINS SHALL BE MADE PER C.O.P. DETAIL P1576.

CATCH BASIN CONNECTOR PIPES SHALL BE LAID ON A STRAIGHT ALIGNMENT AND SLOPE UNLESS OTHERWISE SPECIFIED. IF BREAKS IN ALIGNMENT OR SLOPE ARE NECESSARY TO MEET FIELD CONDITIONS. THE MAXIMUM DEFLECTION SHALL BE 22-1/2°. THE BEND SHALL BE COLLARED ACCORDING TO C.O.P. DETAIL P1505. ANY ANGLE BENDS GREATER THAN 22-1/2° SHALL BE PREFABRICATED.

CONNECTOR PIPES SHALL CONNECT TO CATCH BASIN WALLS AT AN ANGLE NOT TO EXCEED $22-1/2^\circ$ FROM PERPENDICULAR.

FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS, ARE LOCATED ONLY APPROXIMATELY AND TO THE BEST AVAILABLE INFORMATION PROVIDED BY VARIOUS OWNERS OF THE FACILITIES, AND SUPPLEMENTED BY VISUAL SURFACE INFORMATION WHERE APPOPRIATE. ACCURACY, LOCATION AND COMPLETENESS OF THIS INFORMATION SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INITIATION OF CONSTRUCTION.

AT LEAST TWO WORKING DAYS BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CONTACT BLUESTAKE TO FIND AND FLAG UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT OTHER APPROPRIATE UTILITIES DIRECTLY IF THEY ARE NOT ON BLUESTAKE SYSTEM.

VERTICAL CONTROL IS BASED ON NATIONAL GEODETIC SURVEY.

UNLESS OTHERWISE NOTED, STATIONS SHOWN ON PIPE PROFILES ARE ALONG CENTERLINE OF PIPE.

UNLESS OTHERWISE NOTED, PIPE SHALL BE BEDDED IN ACCORDANCE WITH CITY OF PHOENIX DETAIL P1200.

CATCH BASINS ARE STATIONED PERPENDICULAR TO THE CENTERLINE OF THE STREET AT THE CENTERLINE OF THE MAINTENANCE BASIN.

SANITARY SEWER MAINS AND TAPS CROSSING OVER STORM DRAIN MAINS SHALL BE SUPPORTED PER M.A.G. DETAIL 403-1, 403-2, OR 403-3.

ALL EXISTING PRECAST CONCRETE SAFETY CURBS AND ALL EXISTING WOODEN PARKING CURBS, WHICH ARE INSIDE THE RIGHT OF WAY AND APPROXIMATELY PARALLEL TO THE NEW CURB LINE, SHALL BE RESET ON THE RIGHT OF WAY DIRECTLY OPPOSITE THEIR EXISTING LOCATION, WITH THE BACK EDGE ON THE RIGHT OF WAY LINE. ALL OTHER PRECAST CONCRETE SAFETY CURBS INSIDE THE STREET RIGHT OF WAY SHALL BE SALVAGED AND STOCK PILED FOR THE OWNER AT THE RIGHT OF WAY LINE.

EXISTING PRECAST CONCRETE SAFETY CURBS OUTSIDE THE RIGHT OF WAY, WHICH ARE DISTURBED BY NEW CONSTRUCTION SHALL BE RESET IN THEIR ORIGINAL POSITION BY THE CONTRACTOR.

ALL EXISTING DRIVEWAYS AND ALL EXISTING ALLEYS SHALL BE GRADED TO MATCH THE NEW WORK IN ACCORDANCE WITH STD. DETAIL P1164, UNLESS OTHERWISE SPECIFIED. EXISTING SURFACING SHALL BE REMOVED AND REPLACED AS NECESSARY

UNLESS OTHERWISE PROVIDED ON THE PLANS:

- THE SPACE BETWEEN THE BACK OF NEW DRIVEWAY ENTRANCES AND EXISTING A.C. DRIVEWAYS SHALL BE FILLED WITH A MINIMUM OF 3" A.C.S.C. ON 100% COMPACTED NATIVE SOIL. WHERE EXISTING PAVEMENT AND BASE THICKNESS EXCEED THE MINIMUMS. MATCH THE EXISTING.
- THE SPACE BETWEEN THE BACK OF NEW SIDEWALKS AND EXISTING PRIVATE SIDEWALKS, AND THE SPACE BETWEEN THE BACK OF NEW DRIVEWAY ENTRANCES AND EXISTING P.C.C. DRIVEWAYS SHALL BE FILLED WITH P.C.C.. THE THICKNESS AND CLASS SHALL MATCH THAT OF THE NEW SIDEWALK OR DRIVEWAY ENTRANCE.
- THE SPACE BETWEEN THE BACK OF THE NEW SIDEWALKS, AND EXISTING A.C. PARKING LOTS, WHICH FALL WITHIN OR ABUT THE R/W SHALL BE FILLED WITH 2" A.C.S.C. ON 100% COMPACTED NATIVE SOIL.

EXISTING IRRIGATION BERMS DISTURBED BY NEW CONSTRUCTION SHALL BE RECONSTRUCTED AS SHOWN ON PLANS.



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SHEET TOTAL AS BUILT

F.H.W.A. STATE

STRUCTURAL NOTES

"CLEAR" DIMENSIONS FOR DEPTH OF REINFORCING STEEL ARE FROM FACE OF CONCRETE TO FACE OF BARS.

ALL EXPOSED EDGES OF CONCRETE SHALL BE BEVELED OR ROUNDED.

ALL EXPOSED CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ARIZONA DEPT. OF TRANSPORTATION STANDARD SPECIFICATION 601-3.05 - FINISHING CONCRETE, UNLESS OTHERWISE SPECIFIED.

THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY GENERAL NOTES

- 1. ALL CONSTRUCTION WITHIN FLOOD CONTROL DISTRICT (DISTRICT)
 RIGHTS-OF-WAY JURISDICTION SHALL CONFORM TO THE LATEST DISTRICT
 STANDARDS AND SPECIFICATIONS AS PUBLISHED ON THE DISTRICT'S WEB SITE.
- 2. CONTRACTOR MUST OBTAIN NECESSARY DISTRICT PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN DISTRICT RIGHT—OF—WAY AND MAINTAIN A COPY OF THE PERMIT ON THE PROJECT SITE AT ALL TIMES.
- 3. NOTIFY THE DISTRICT'S PERMITS INSPECTOR AT 602-525-7913 OR IF WORKING AT A DISTRICT DAM CALL 602-506-4722 AT LEAST 48 HRS PRIOR TO ANY WORK BEING PERFORMED IN THE DISTRICT'S RIGHTS-OF-WAY.
- 4. CONTRACTOR PERFORMING EXCAVATION OPERATIONS IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES.
- 5. ANY DAMAGE TO DISTRICT'S STRUCTURES, EQUIPMENT, MATERIALS, VEGETATION, AND/OR PROPERTY SHALL BE REPLACED AND/OR REPAIRED IN-KIND TO THE SATISFACTION OF THE DISTRICT.
- 6. IN THE EVENT THE TERMS AND CONDITIONS IN THE DISTRICT'S PERMIT ARE NOT CONSISTENT WITH THE DISTRICT—APPROVED PLANS, THE DISTRICT'S PERMIT WILL HAVE PRIORITY.
- 7. IN ORDER TO CLOSE THE DISTRICT'S PERMIT AND RELEASE BONDS, THE WORK ON THE PROJECT SITE WILL HAVE TO BE COMPLETE AS DETERMINED BY THE DISTRICTS INSPECTOR, CERTIFIED AS—BUILT PLANS ALONG WITH REQUIRED QUALITY ASSURANCE TESTS WILL HAVE TO BE PROVIDED AND ACCEPTED BY THE DISTRICT, AND ALL EASEMENTS REQUIRED BY THE PROJECT RECORDED.

SYMBOLS

S	SAWCUT AND MATCH EXISTING
M	MATCH EXISTING
——12" DIP FM-A——	12" DIP SEWER FORCE MAIN ABANDONED
ICV	IRRIGATION CONTROL VALVE
BBW	BARBED WIRE FENCE
CLF	CHAIN LINK FENCE
TCE	TEMPORARY CONSTRUCTION EASEMENT
0	ADJUST OR RELOCATE BY OWNER



'PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.*

LEGEND AND NOTES

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

PINNACLE PEAK ROAD 45TH AVENUE TO 35TH AVENUE ST85100400

DR: IAM DES: IAM CK: MAL DATE: 03/18 DATE: 03/18	SHEET NO:	TOTAL SHEETS	AS BUILT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
SCALE: N.T.S.	2	121		٦

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	F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
	9	ARIZ.	ST85100400	3	121	
er (Cwil)	03/18 DATE	_	SŢ		CONSULTA LTING ENG	
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TOTAL

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SHEET NUMBERS ITEM NO. UNIT NON-SHEET 6 7 8 9 10 11 13 14 15 16 17 18 19 20 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 68 76-91 93 94 96 97 114 C3456000 ADJUST FRAME & COVER NON-CITY UTILITY (CONTINGENT ITEM) 14 E6992000 ALLOWANCE FOR STORMWATER POLLUTION PREVENTION (BMP'S) M1042005 ALLOWANCE FOR EXTRA WORK M3010001 SUBGRADE PREPARATION 3899 | 4421 | 5231 | 4230 | 4231 | 4106 | 3945 | 3156 | 4544 | 3945 | 4328 | 3625 | 536 | 2471 M3210100 ASPHALT CONCRETE SURFACE COURSE, TYPE D-1/2", FOR D/W CONN. TON
 318
 361
 427
 346
 346
 335
 322
 258
 371
 322
 353
 296
 44
 202
 M3210115 ASPHALT CONCRETE SURFACE COURSE, TYPE D1/2, 1.5" THICK TON vi3210360 ASPHALT CONCRETE BASE COURSE, TYPE A1-1/2, 6" THICK M3290100 EMULSIFIED ASPHALT FOR TACK COAT, TYPE SS-1H TON 2.60 2.94 3.48 2.82 2.82 2.73 2.63 2.10 3.03 2.63 2.88 2.41 0.36 1.65 M3304100 POWER BROOM
M3360224 SAWCUT, REMOVE AND REPLACE PER PAVEMENT STRUCTURAL SECTION NO. 1, COP STD. DET. P-1200 M3400240 CONCRETE VALLEY GUTTER, MAG STD. DET. 240 M3400400 CONCRETE SIDEWALK, STD. DETAIL P-1230 3285 3819 5338 2512 4006 5435 2631 2145 4524 2684 3998 4727 354 1075 - 2143 4524 2684 91 376 354 1075 91 376 M3400555 CONCRETE DRIVEWAY ENTRANCE, STD. DETAIL P-1255-1 10656 CONCRETE BUS BAY PAVEMENT, COP STD. DET. P-1256-2, 9"-THICK M3401261 CONCRETE BUS SHELTER/ACCESSORY PAD. COP STD. DET. P-1261 M3402201 COMBINED CONCRETE CURB AND GUTTER, STD. DETAIL 220, TYPE "A" H=6 M3402222 CONCRETE SINGLE CURB, STD. DETAIL 222, TYPE "B" 8 24 10 8 M3402246 CONCRETE SINGLE CURB TERMINATION, MAG STD. DET. 222 20 ADJUST EXISTING MANHOLE FRAME AND COVER, MAG STD. DET. 42 M3453001 ADJUST EXISTING TYPE "A" WATER VALVE, COP STD. DET. P-1391, P-1391-1 4 1 5 4 4 7 EA 5 1 6 2 M3453009 RELOCATE EXISTING IRRIGATION CONTROL VALVE
M3453016 ADJUST EXISTING SURVEY HANDHOLE FRAME AND COVER, COP STD. DET. P-1270 EA M3500010 REMOVE SINGLE CURB, CURB AND GUTTER, HEADER CURB M3500020 REMOVE PORTLAND CEMENT CONCRETE SIDEWALK, DRIVEWAY, VALLEY GUTTER 854 1195 1852 303 1086 2264 711 639 1443 167 1639 1651 2212 M3500030 REMOVE STRUCTURES, BACKFILL & COMPACT JOB 264 678 M3500040 REMOVE PIPE BACKFILL AND COMPACT M3500060 REMOVE ASHPALT CONCRETE PAVEMENT 3822 4113 4756 4224 3753 3413 3203 2580 3844 3281 3503 3593 538 2477 M3500150 REMOVE TREE, 12" DIAMETER AND LARGER M3500300 MISCELLANEOUS REMOVAL AND OTHER WORK JOB M3506020 ABANDON MANHOLE PER SPECIAL PROVISIONS AND PLANS M3515044 RELOCATE EXISTING STREET LIGHT POLE EA M3515045 REMOVE EXISTING LIGHT POLES STANDARD, PER PLAN M3515052 FURNISH AND INSTALL LED STREET LIGHT PER C.O.P. STREET LIGHTING PROCEDURES M4012000 TRAFFIC CONTROL DEVICES M4013000 ALLOWANCE FOR UNIFORMED, OFF-DUTY LAW ENFORCEMENT OFFICER JOB M4051201 SURVEY MARKER, MAG STD. DETAIL 120-1, TYPE "A"
M4051202 SURVEY MARKER, MAG STD. DETAIL 120-1, TYPE "B" EA M4303000 PLANT ESTABLISMENT GUARENTEE AND MAINTENANCE MONTH M4304000 3/4" MINUS MADISON GOLD-DECOMPOSED GRANITE IN PLANTING AREAS, 2" DEPTH CY M4305024 TREE 24" BOX/ 1.5" CALIPER M4309050 TREE STUMP AND DESERT SPOON REMOVAL M4400260 1", PVC IRRIGATION PIPE, SCHEDULE 40 M4400270 1 1/2", PVC IRRIGATION PIPE, SCHEDULE 40 M4400605 3/4"- FLUSH CAP (W/BOX) M4402100 1" BACKFLOW PREVENTION UNIT AND ENCLOSURE M4404199 EMITTER VALVE ASSEMBLY W/ PRESSURE REGULATOR AND INLINE WYE FILTER AND BOX EA M4404310 1" MAINLINE BRONZE GATE VALVE AND BOX M4404311 1" BRONZE BALL VALVE M4404510 MILTI-PORT EMITTER AND FLEX RISER ASSEMBLY W/BUG CAP M4405300 3" SCHEDULE 40 PVC IRRIGATION SLEEVE Š. M4405400 4" SCHEDULE 40 PVC IRRIGATION SLEEVE
M4406001 IRRIGATION CONTROLLER W/ STAINLESS STEEL CABINET ON CONCRETE BASE M4406800 1" FLOW SENSOR AND BOX (SMALLER SIZE FOR READABILITY ON LOW FLOW SYSTEMS M4406906 1" MASTER VALVE AND BOX M4711002 2" PVC CONDUIT UNDER NEW PAVEMENT OR LANDSCAPING M4711004 21/2" CONDUIT UNDER NEW PAVEMENT OR LANDSCAPING M4712002 NO. 5 JUNCTION BOX M4712003 NO. 7 JUNCTION BOX M4721001 FOUNDATION FOR TYPE A POLE EA M4721003 FOUNDATION FOR TYPE LM POLE M4721004 FOUNDATION FOR TYPE SM POLE M4721005 FOUNDATION FOR TYPE SR POLE M4721006 FOUNDATION FOR TYPE SQ POLE EA M4722001 POWER SERVICE PEDESTAL FOUNDATION
M4722002 TRAFFIC SIGNAL CONTROLLER FOUNDATION M4741001 TYPE A POLE PER DET M4741002 TYPE SQ POLE PER DET

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BID ITEM SUMMARY

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

DR: IAM DES: IAM CK: MAL DATE: 03/18 DATE: 03/18 DATE: 03/18	SHEET NO:	TOTAL SHEETS	AS BUILT	7
SCALE: N.T.S.	3	121		٦



	F.H.W.A. REGION	STATE	PROJECT NO.	PROJECT NO. SHEET TOTI. NO. SHEE						
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M6186000 24*724*715*PREABRICATED TEE 6A 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	M6186004	18"X18"X15" PRF FARRICATED TEF			63	-		- - - - - - - - - - 			/8	+ + +		\vdash			1	1		112 115		_) 1	+	+	+	+-+-	+-+-	230
M6186018] 247X247X189* PREFABRICATED TEE EA BA BA BA BA BA BA BA BA	M6186008	24"X24"X15" PRE FABRICATED TEE FA			_				+	1	+	 		\vdash			*	1							-	+	+	+	+	+ + + +	2
M6186018 307%307%15*PREFABRICATED TEE EA B B B B B B B B B B B B B B B B B B B	M6186010	24"X24"X18" PRE FABRICATED TEE EA									1																		1	+ + + + + + + + + + + + + + + + + + + +	1
M618603 30/33/34/34/34/34/34/34/34/34/34/34/34/34/	M6186018	30"X30"X15" PRE FABRICATED TEE EA											1	1	3	2															7
M6186043 58"AS"AS"AS"AS"PREFABRICATED TEE EA BA BA BA BA BA BA BA BA	M6186023	30"X30"X24" PREFABRICATED TEE EA			\Box																								\bot	\bot	3
M618604 48"-WAS"AY" PRE FABRICATED TEE	M6186028	36"X36"X15" PRE FABRICATED TEE EA			-					_	_		_					_	-		1		2	2 2 2	2		+		+	+	13
M6186042 48"X48"X15" PRE FABRICATED TEE EA IN 1 I I I I I I I I I I I I I I I I I I										-	-							+					-				-		+	+	1
M6186043 \$4"X4\$"X15" PRE FABRICATED TEE EA M6186101 48"X4\$"X45" PRE FABRICATED TEE EA M618610 54"X45" YBE FABRICATED TEE EA M618610 55" STORM SEWER MANHOLE, MAG STD. DETAIL 522 AND COP SUPP. P-1520 EA M625000 5TORM SEWER MANHOLE, MAG STD. DETAIL 522 AND COP SUPP. P-1520 EA M 1					-	-			+	-	+	+ + + -	_	\vdash				+	 , 		\vdash	_	-		+	+	+	+-	+	+	1
M6186110 48"X48"X24" PRE FABRICATED TEE EA IN 10 IN					+ +	-			+	+	+	 	_	\vdash			1 2	+	4	Z Z	 	-	-		-	+	+	+	+	+	8
M6186156 54"X54"X30" PRE FABRICATED TEE EA M6250004 STORM SEVER MANHOLE, MAG STID. DETAIL 522 X AND COP SUPP. P-1520 EA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												 					+ + 2	1		1		+	-				+	+	+	+-+-	1
M625004 STORM SEWER MANHOLE, MAG STD. DETAILS 22 (SHALLOW), COP SUPP. P-1520 EA 1 1 1 1 2 1 2 1 2 1 2 1 2 1 1 1 1 1 1					+ +						_						1 1	1		-			-		-	_	+	+	+	+ + + +	1
M6250005 STORM SEWER MANHOLE, MAG STD. DETAIL 522 AND COP SUPP. P-1520 EA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											1																				2
M625015 STORM SEWER MANHOLE, BASE TRANSITION, COP SUPP 1560 AND MAG DET. 522 EA 1 1 1 1 1 1 1 1 1 1 1	M6250005	STORM SEWER MANHOLE, MAG STD. DETAIL 522 AND COP SUPP. P-1520 EA			1			1 1					1	2	1	2 1	2		1	2 2 2	1	2	1	1 1 1	1						28
	M6250015	STORM SEWER MANHOLE, BASE TRANSITION, COP SUPP 1560 AND MAG DET. 522															1 1	1													. 3

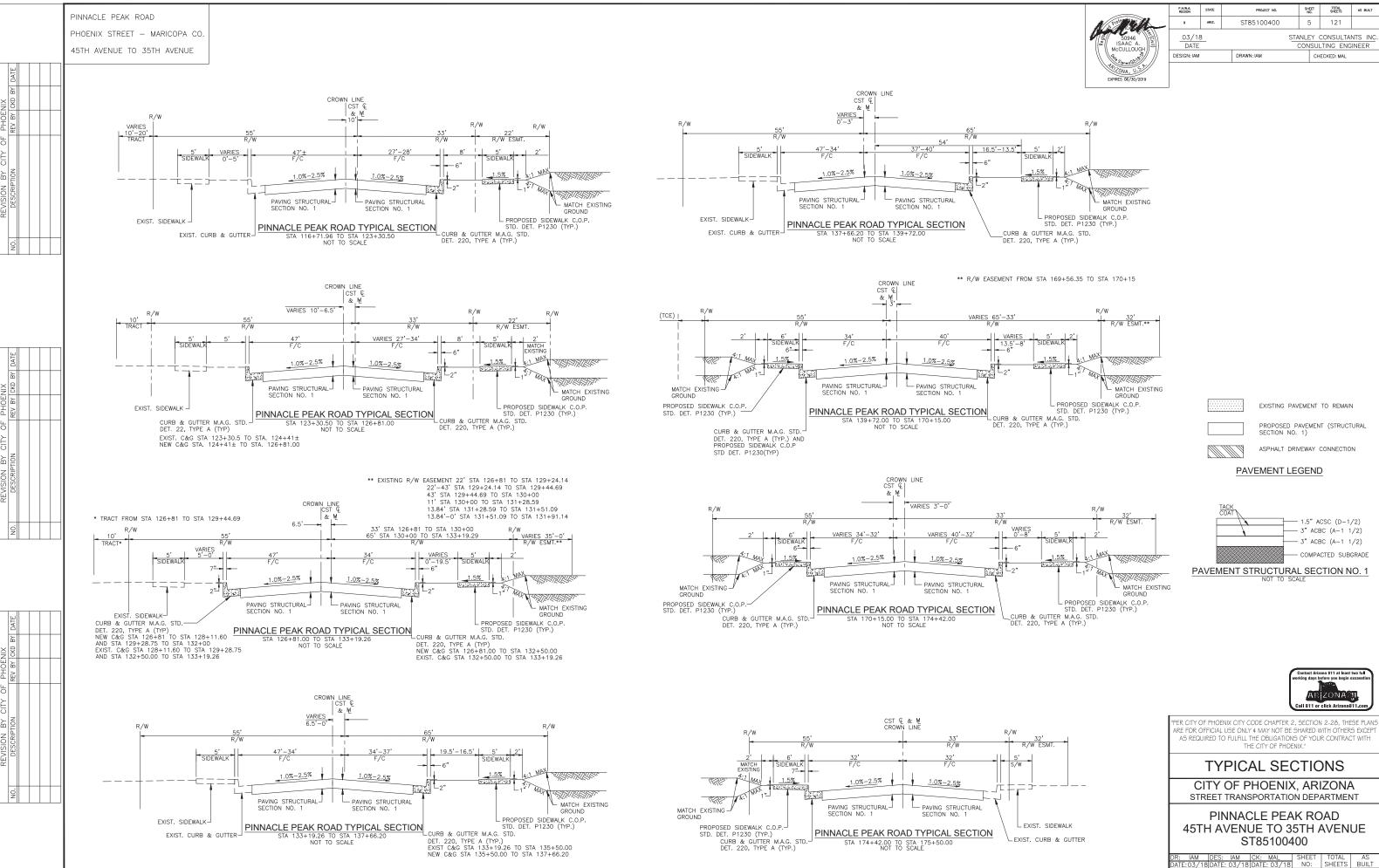


"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

BID ITEM SUMMARY

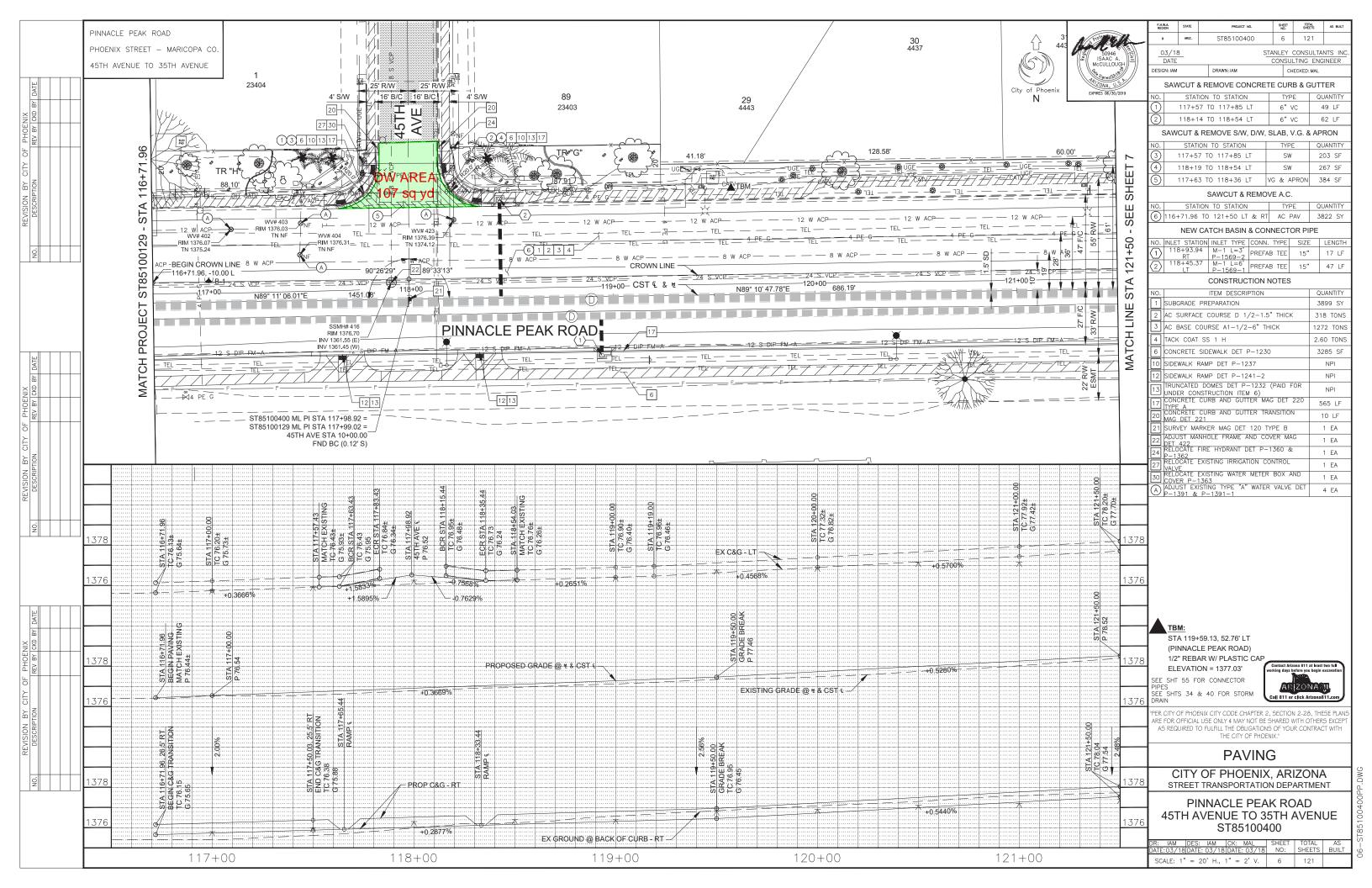
CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

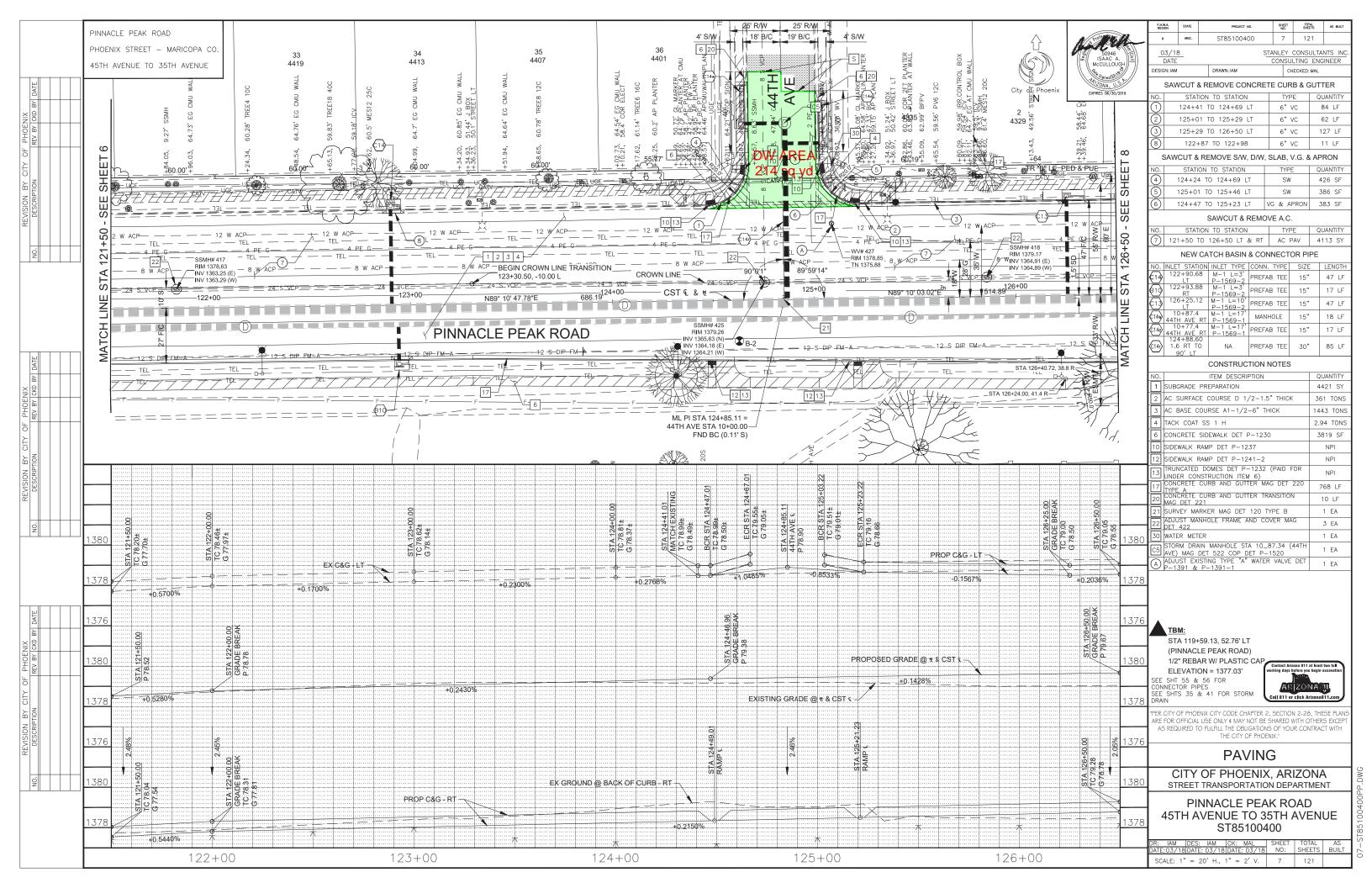
DR: IAM DES: IAM CK: MAL DATE: 03/18 DATE: 03/18	SHEET NO:	TOTAL SHEETS	AS BUILT	1
SCALE: N.T.S.	4	121		٦

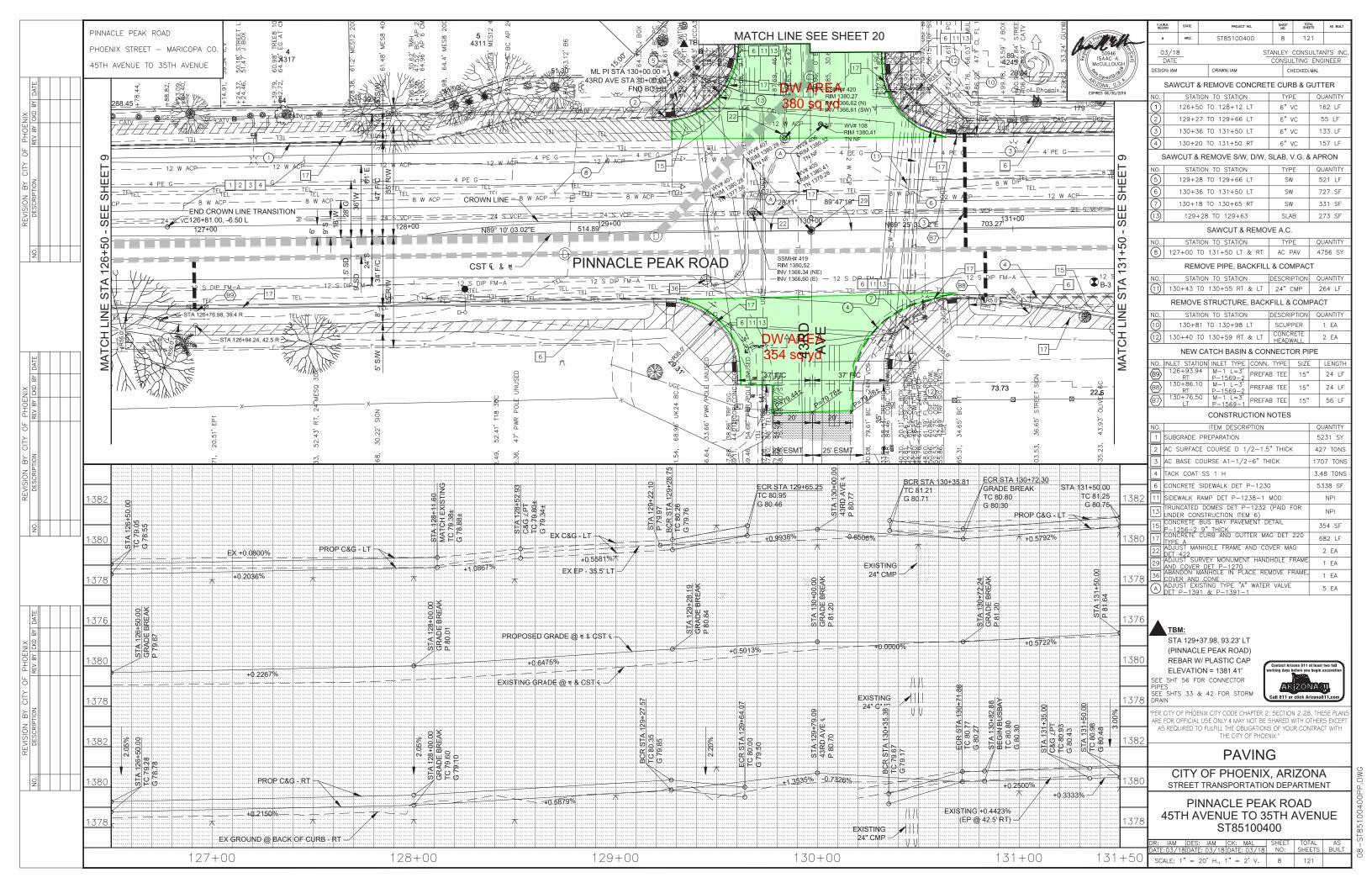


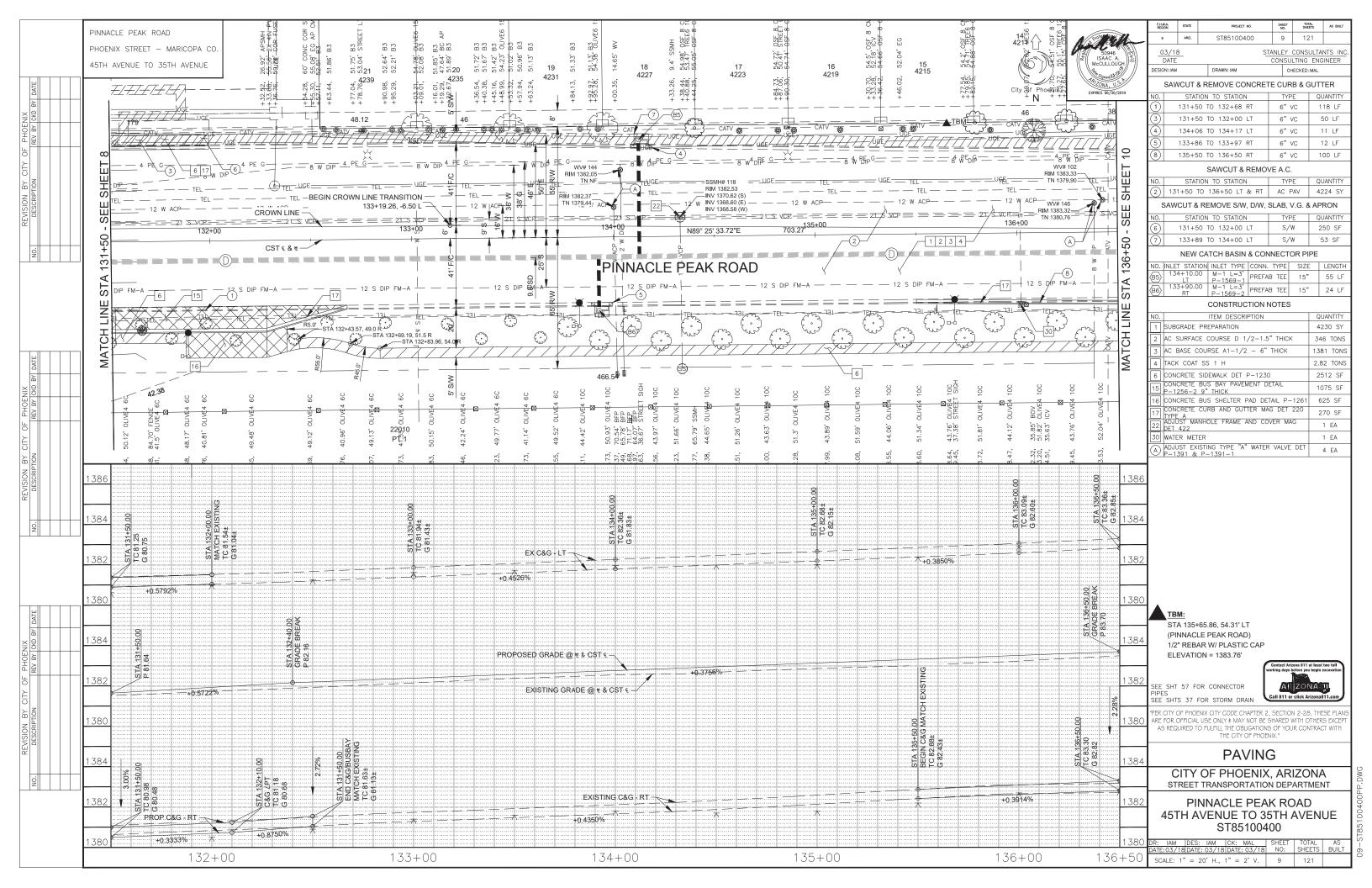
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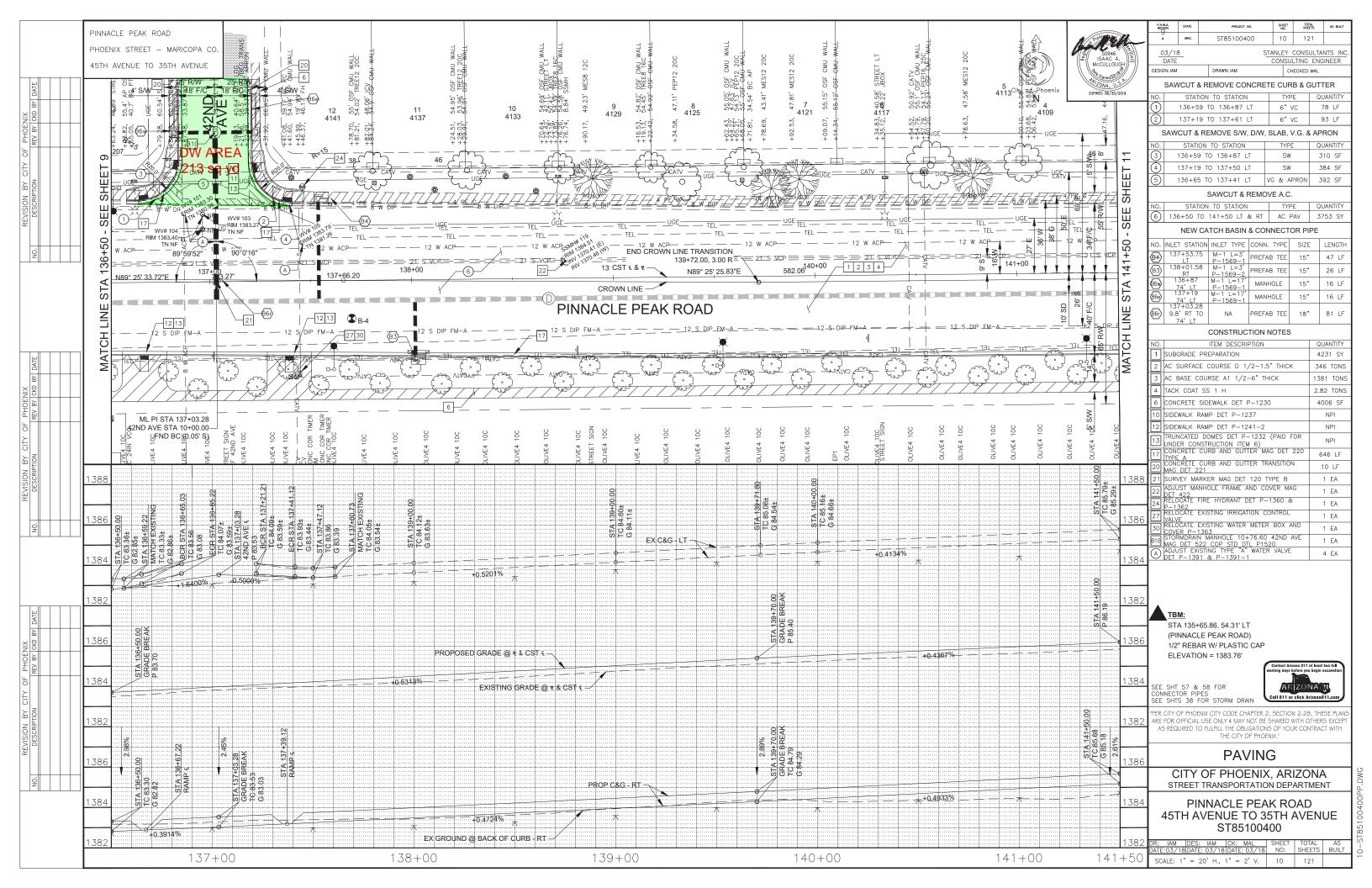
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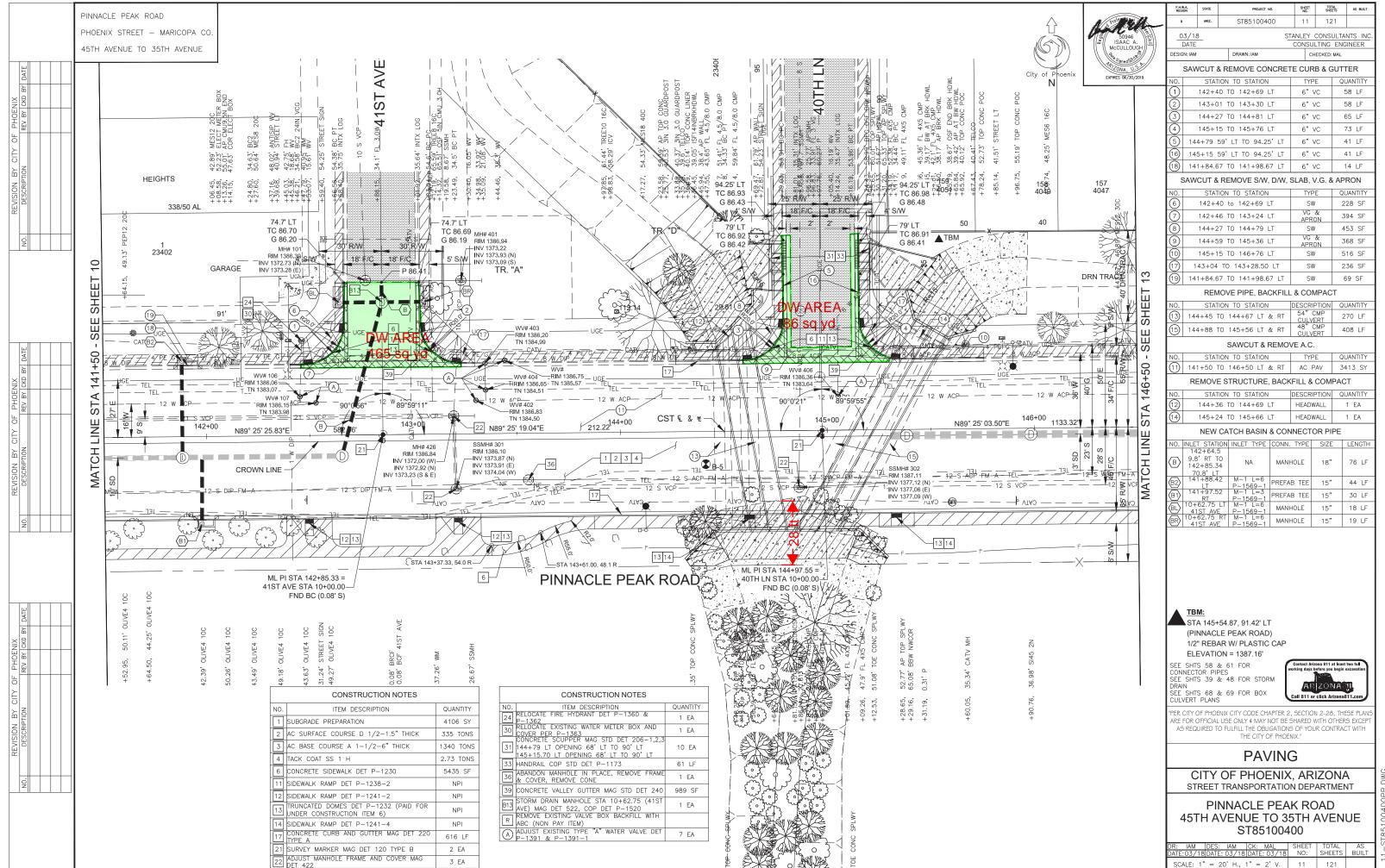




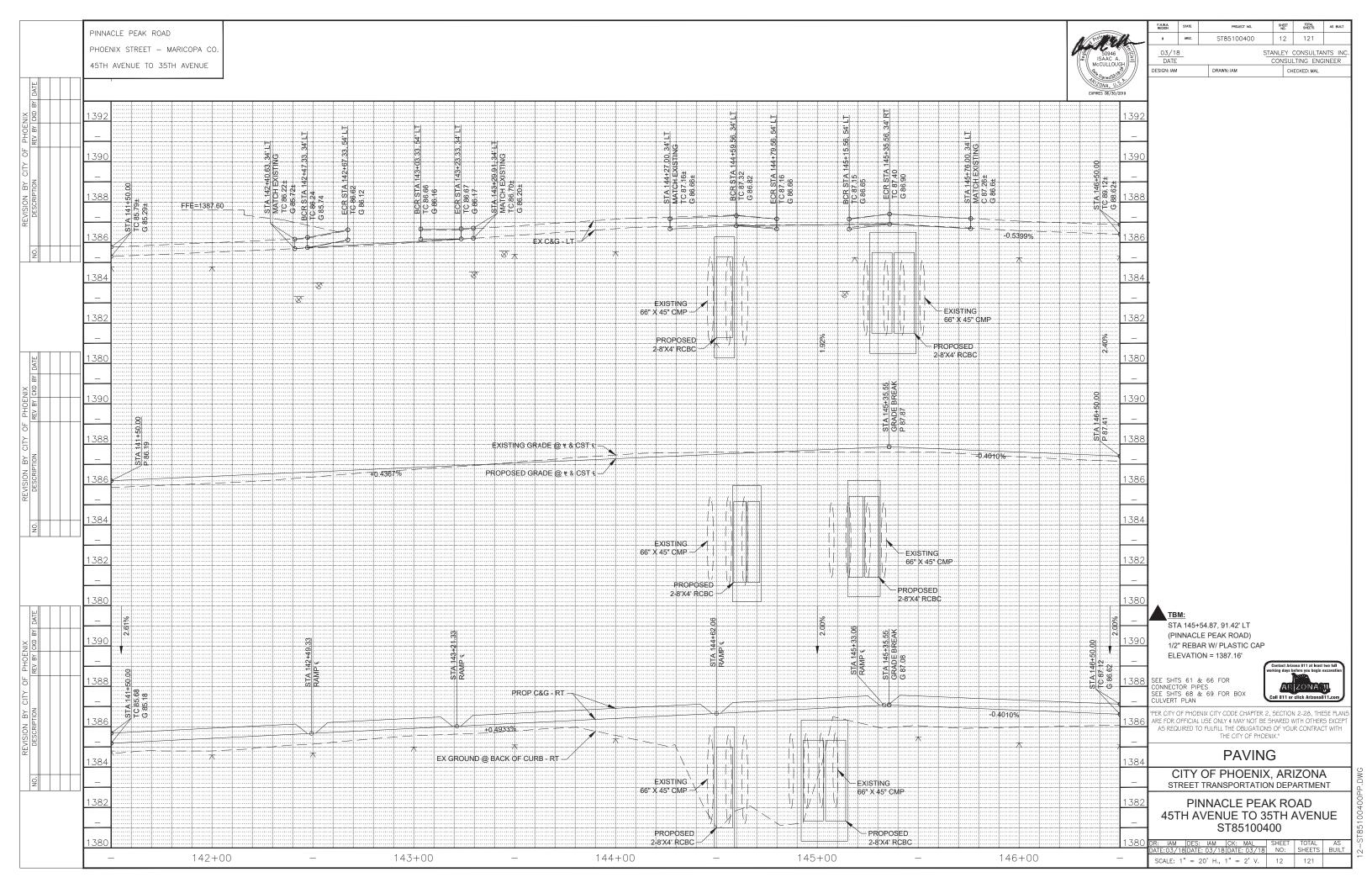


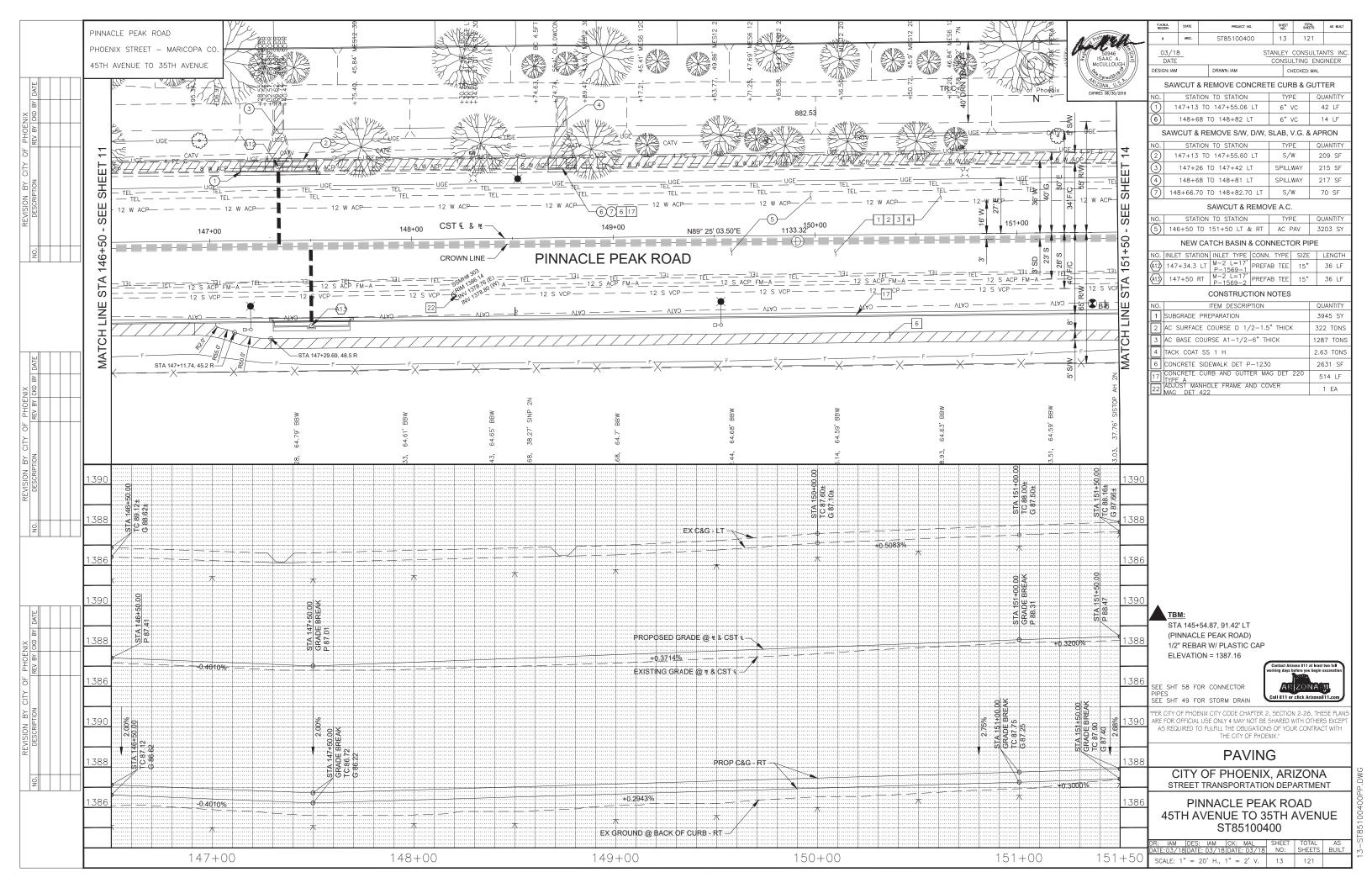


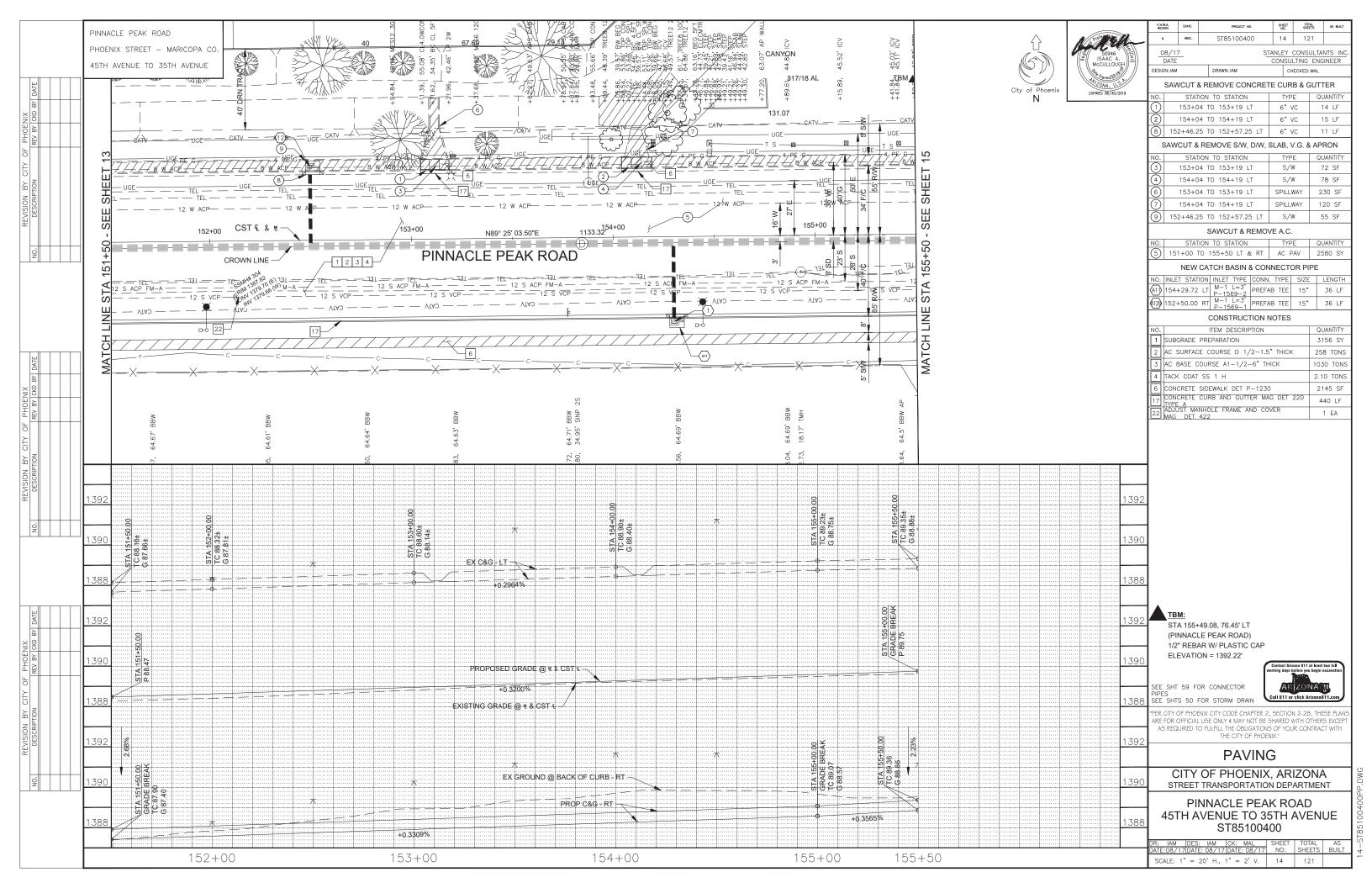


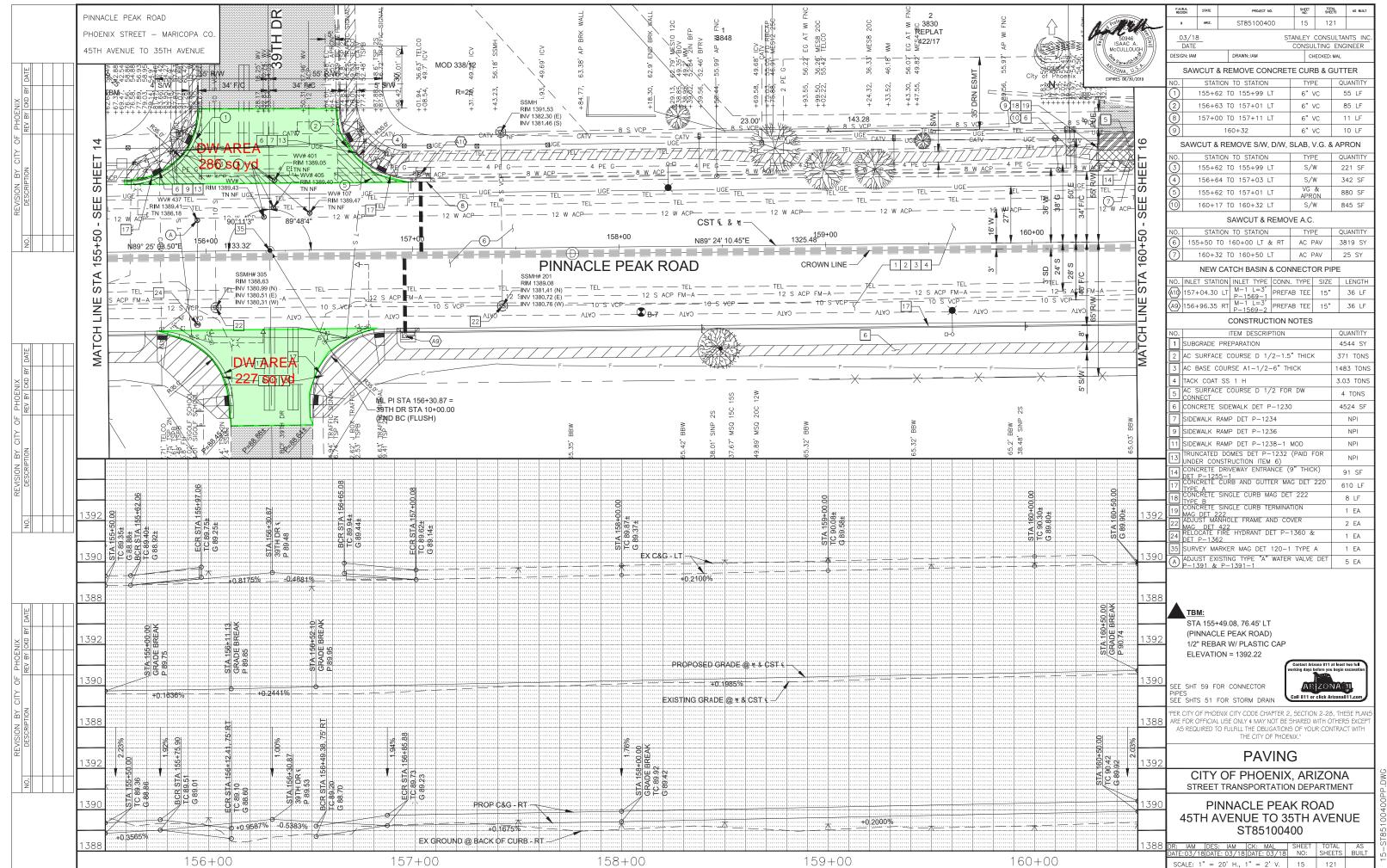


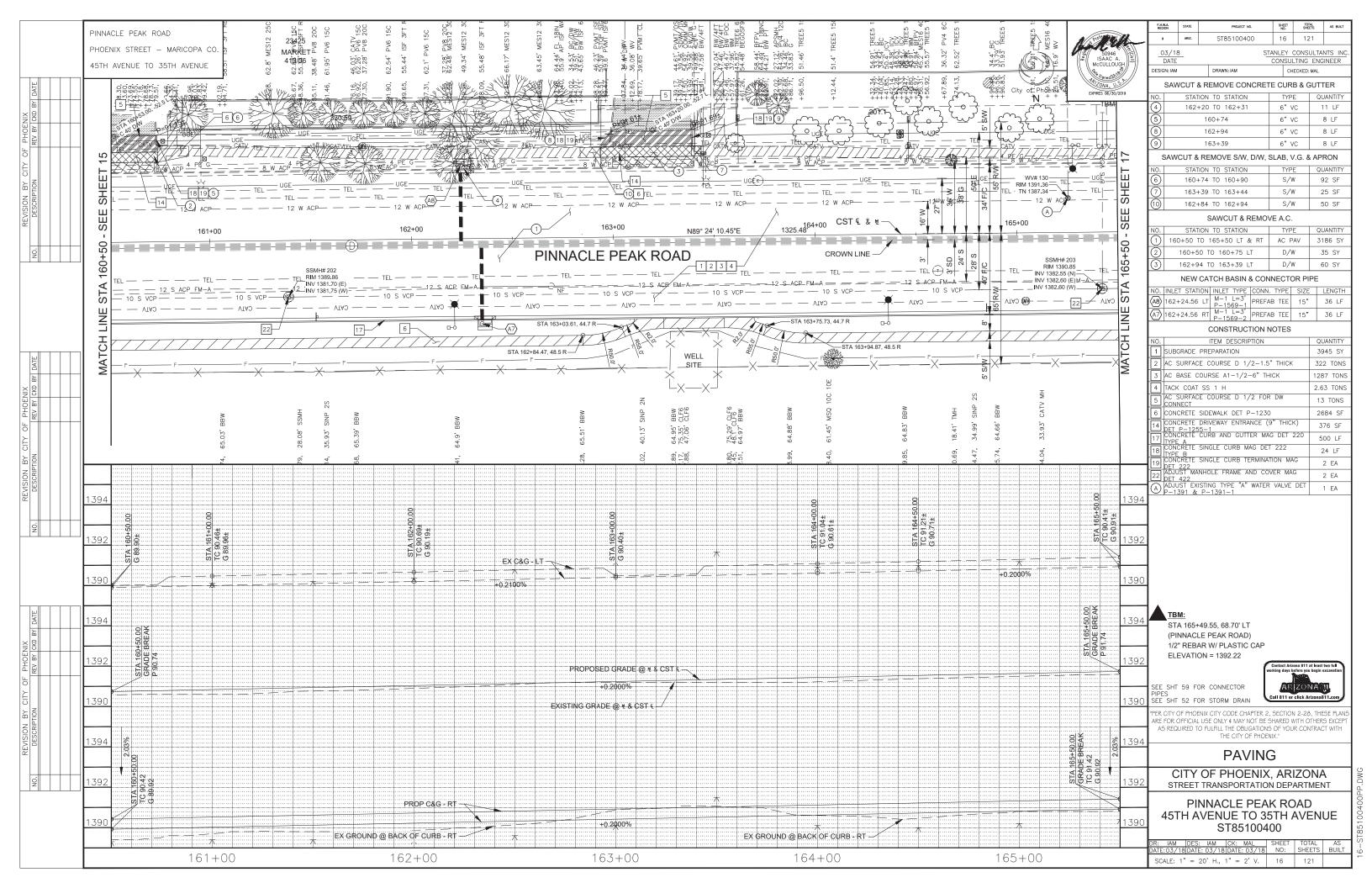
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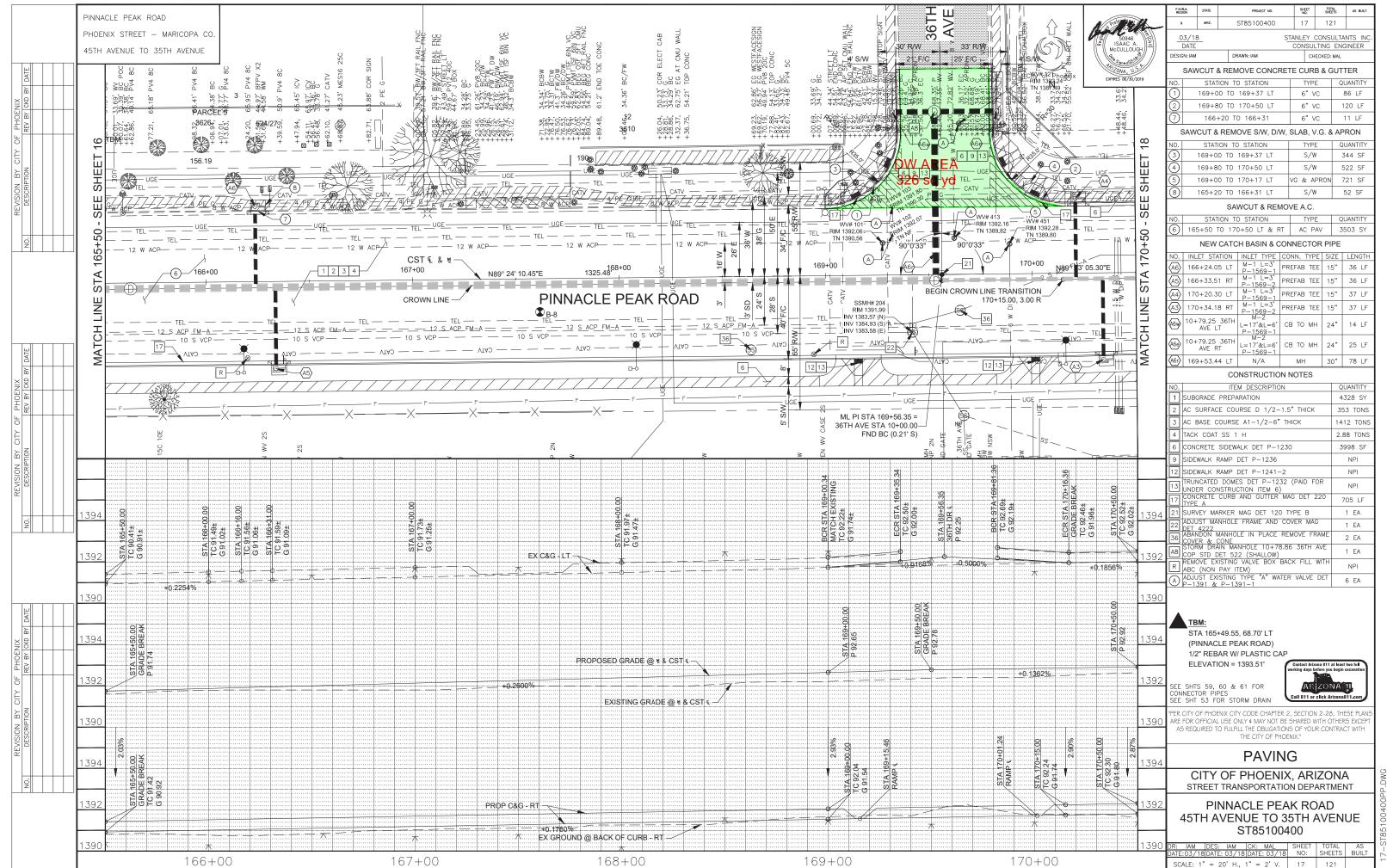


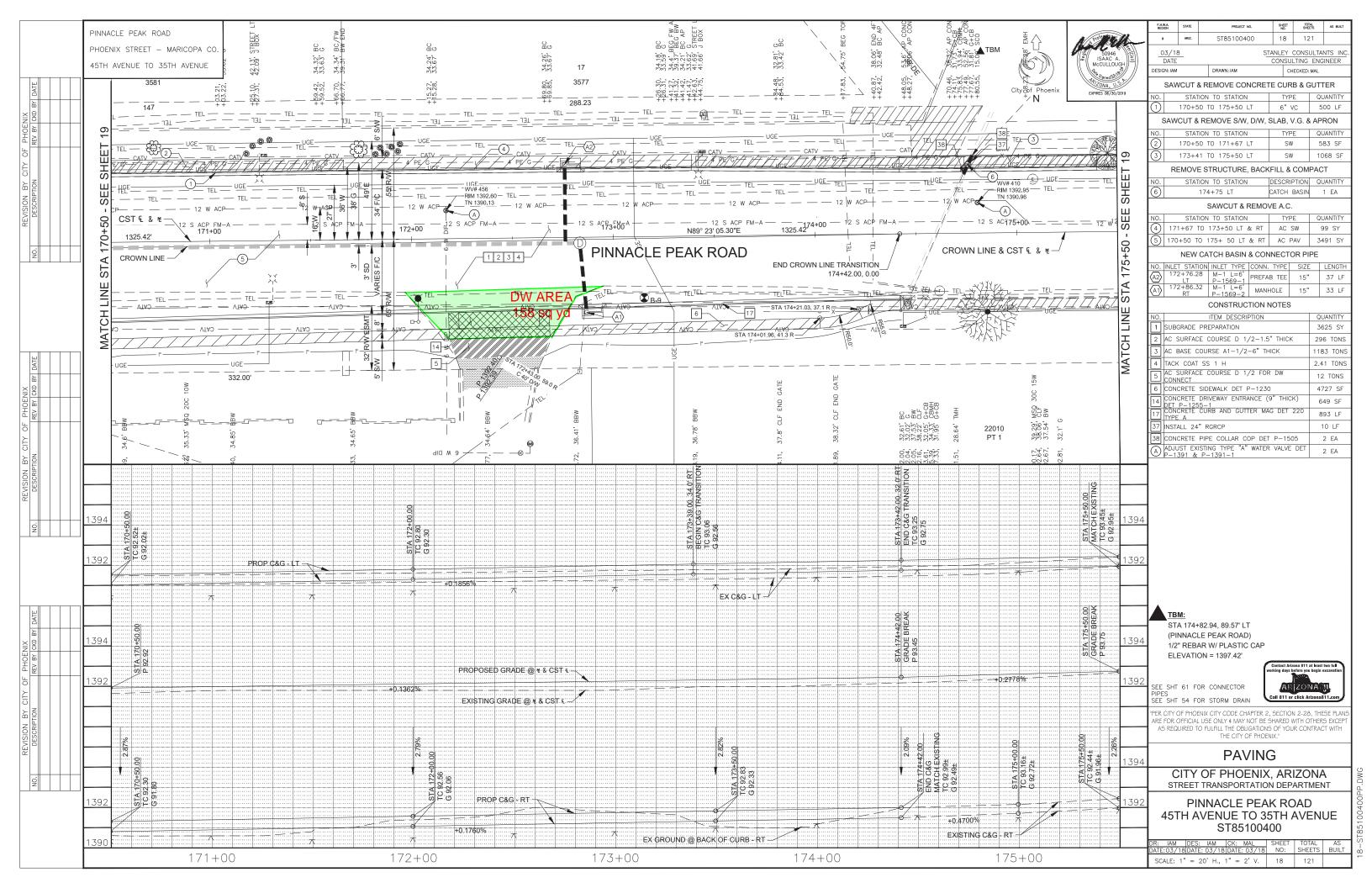


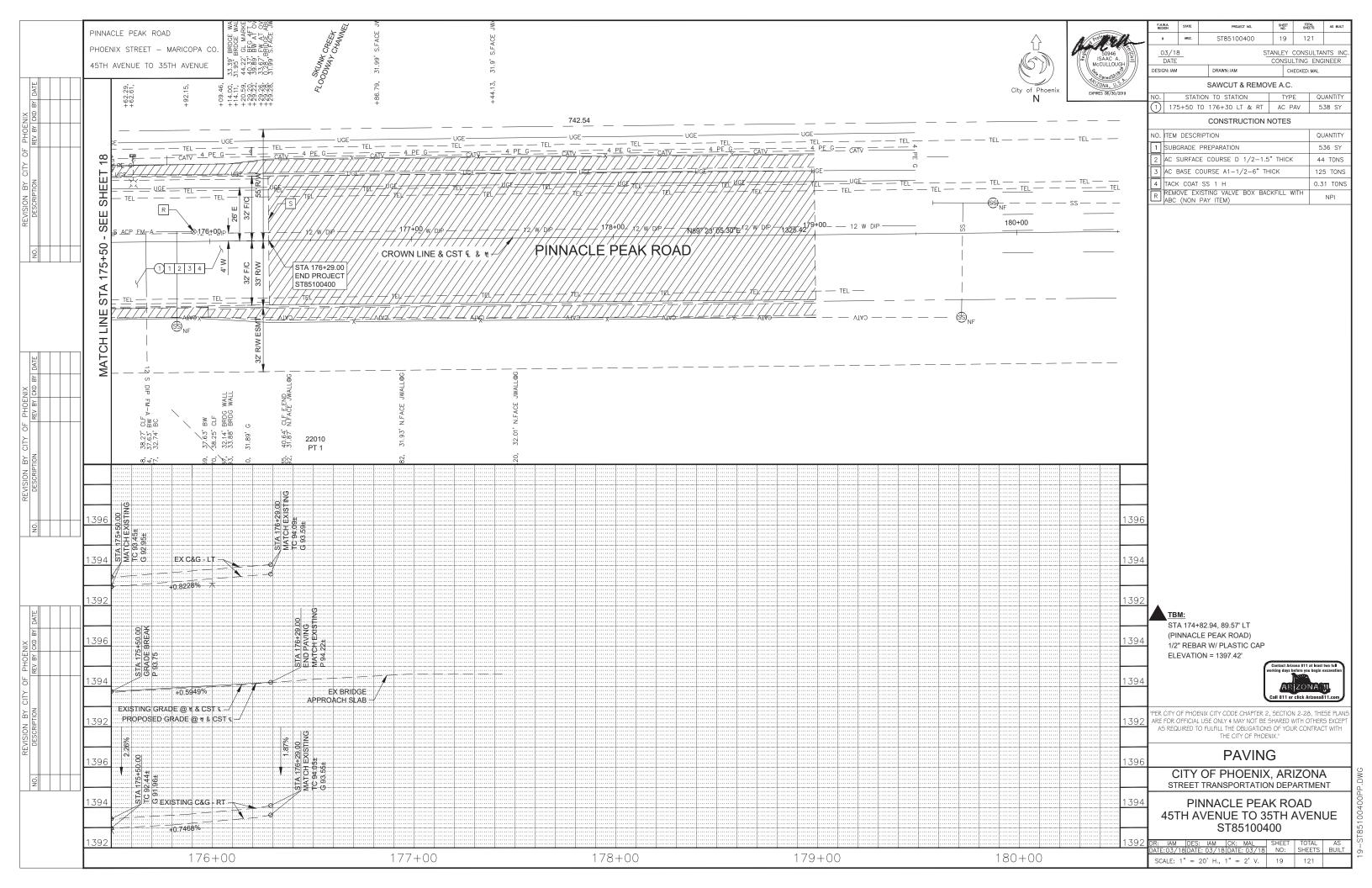


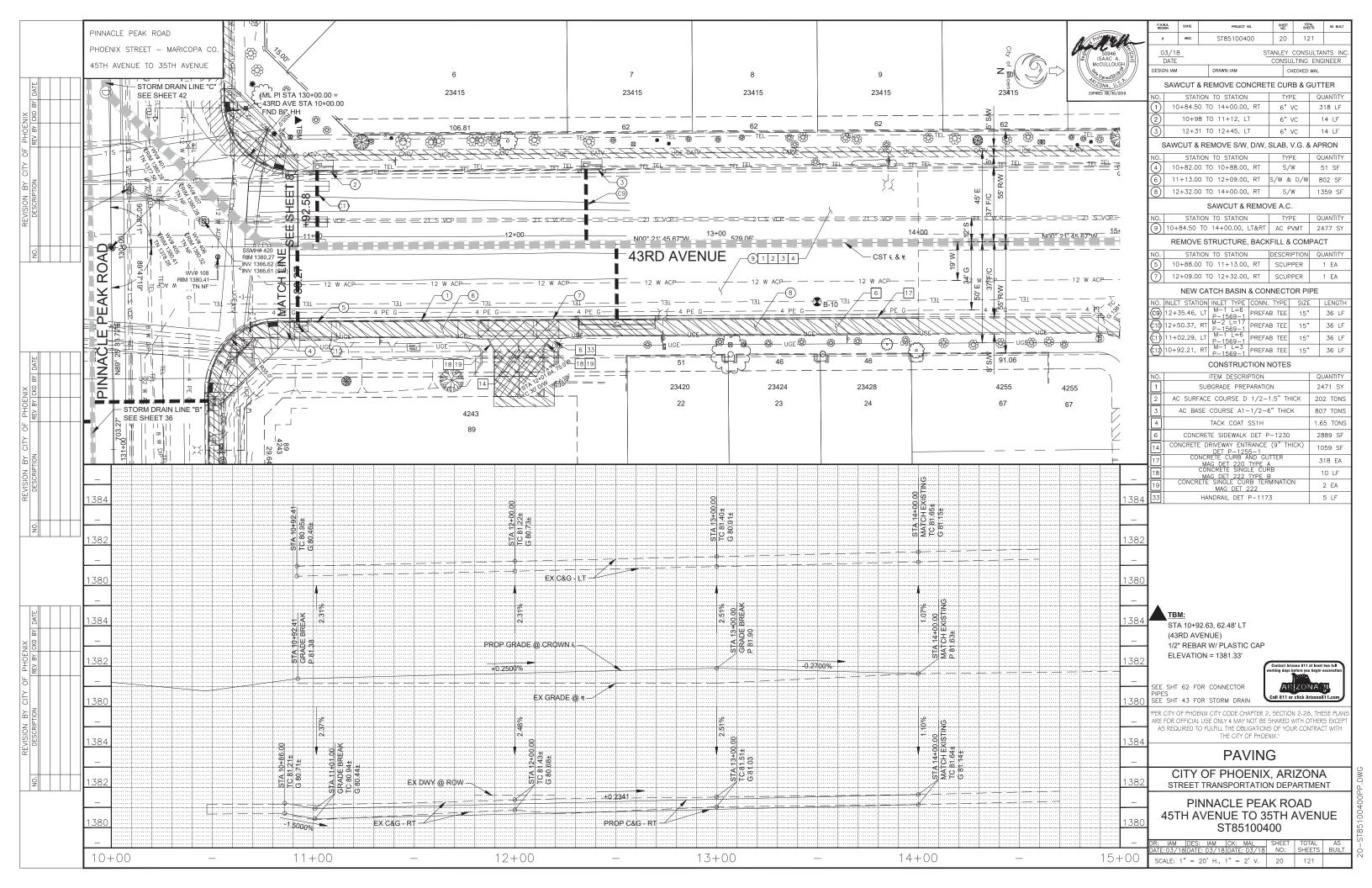


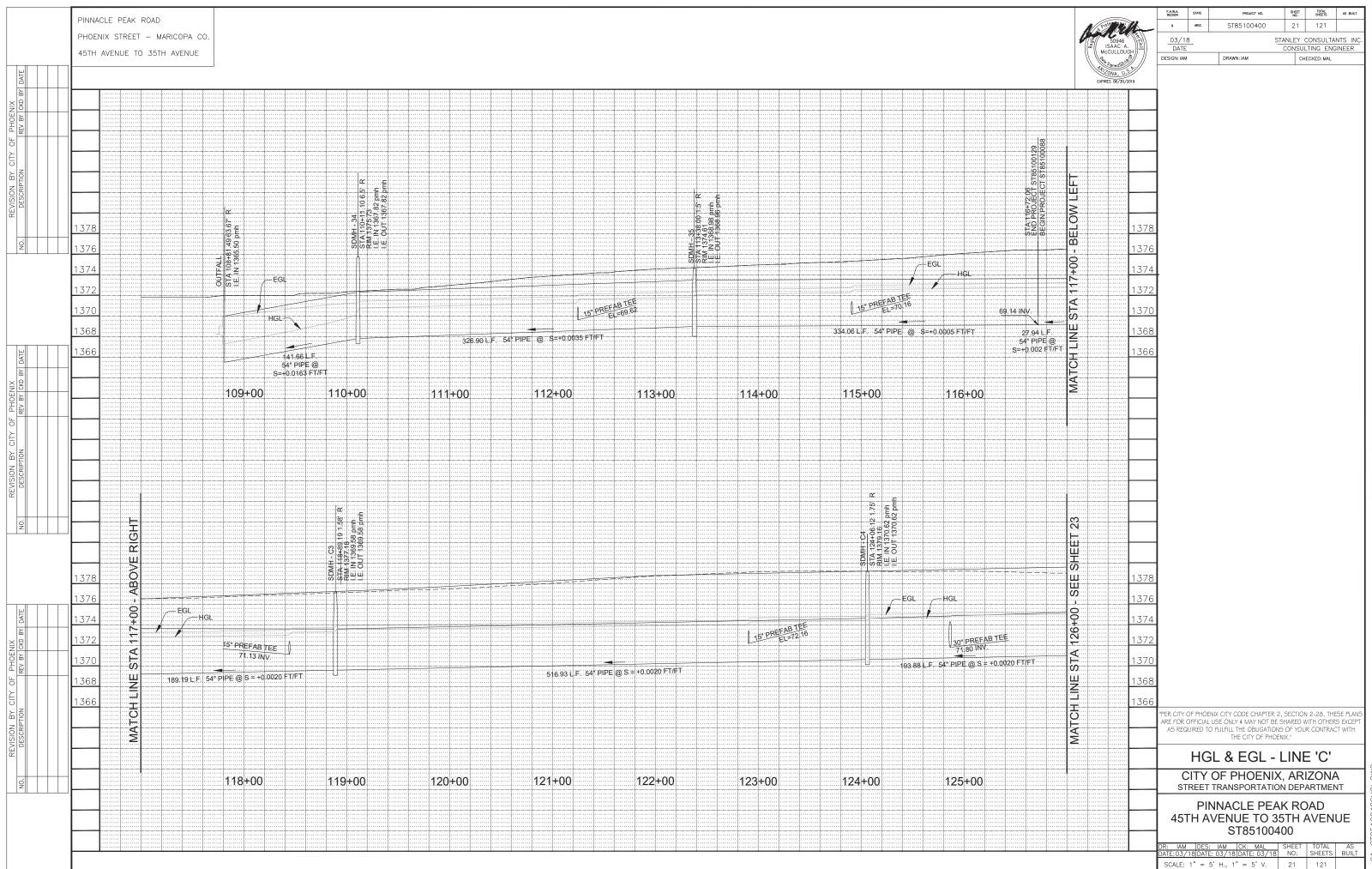


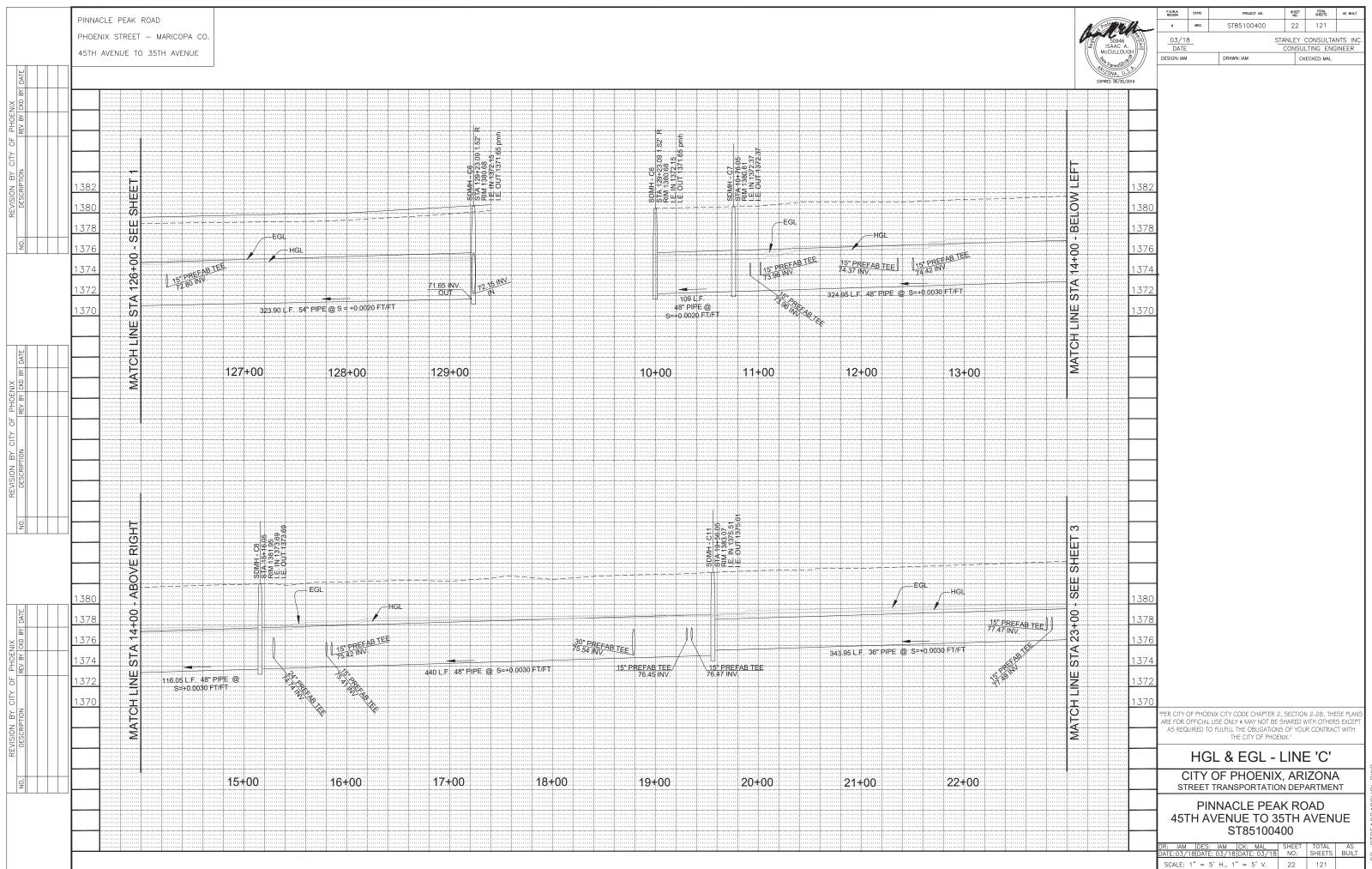


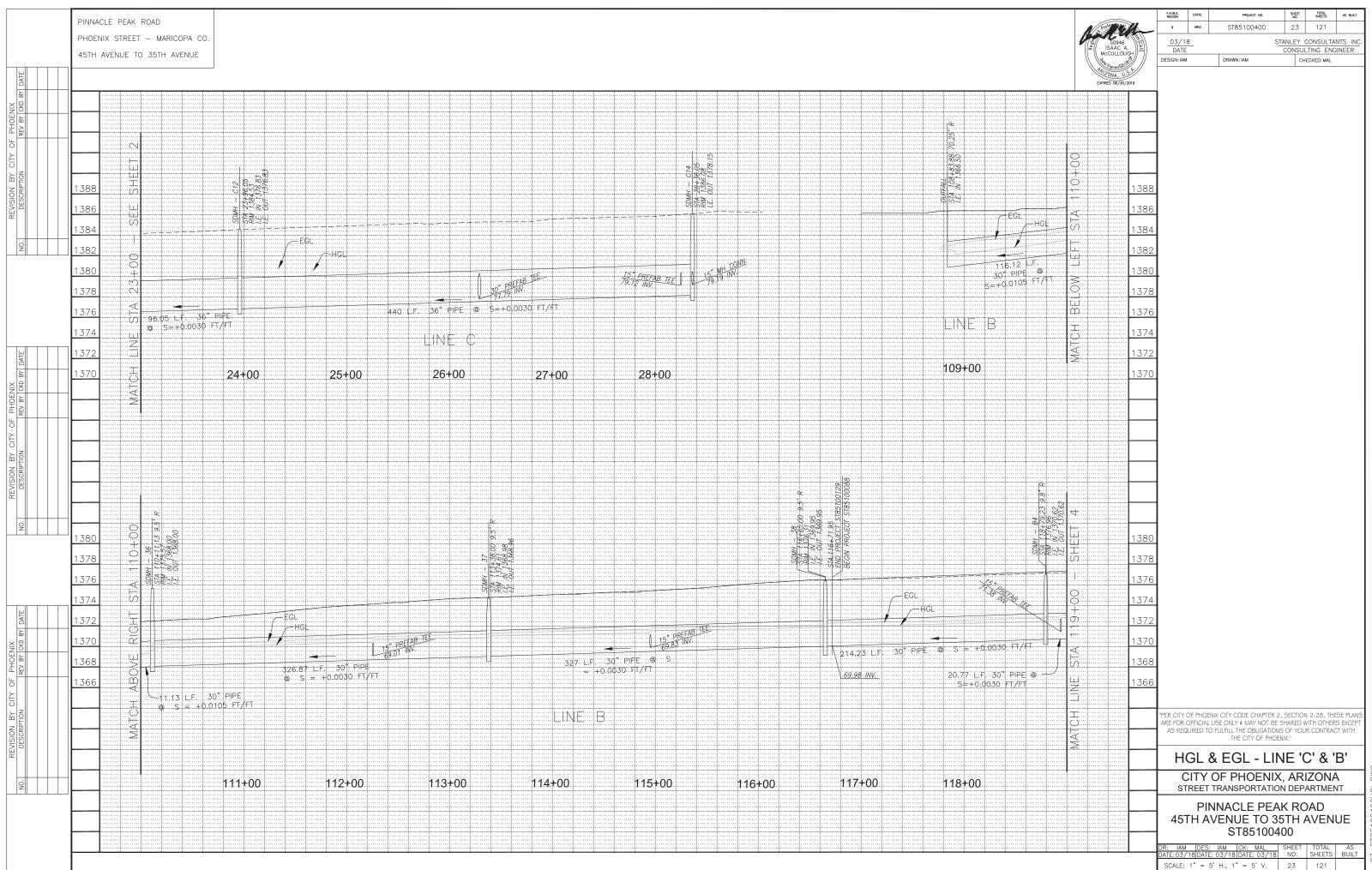


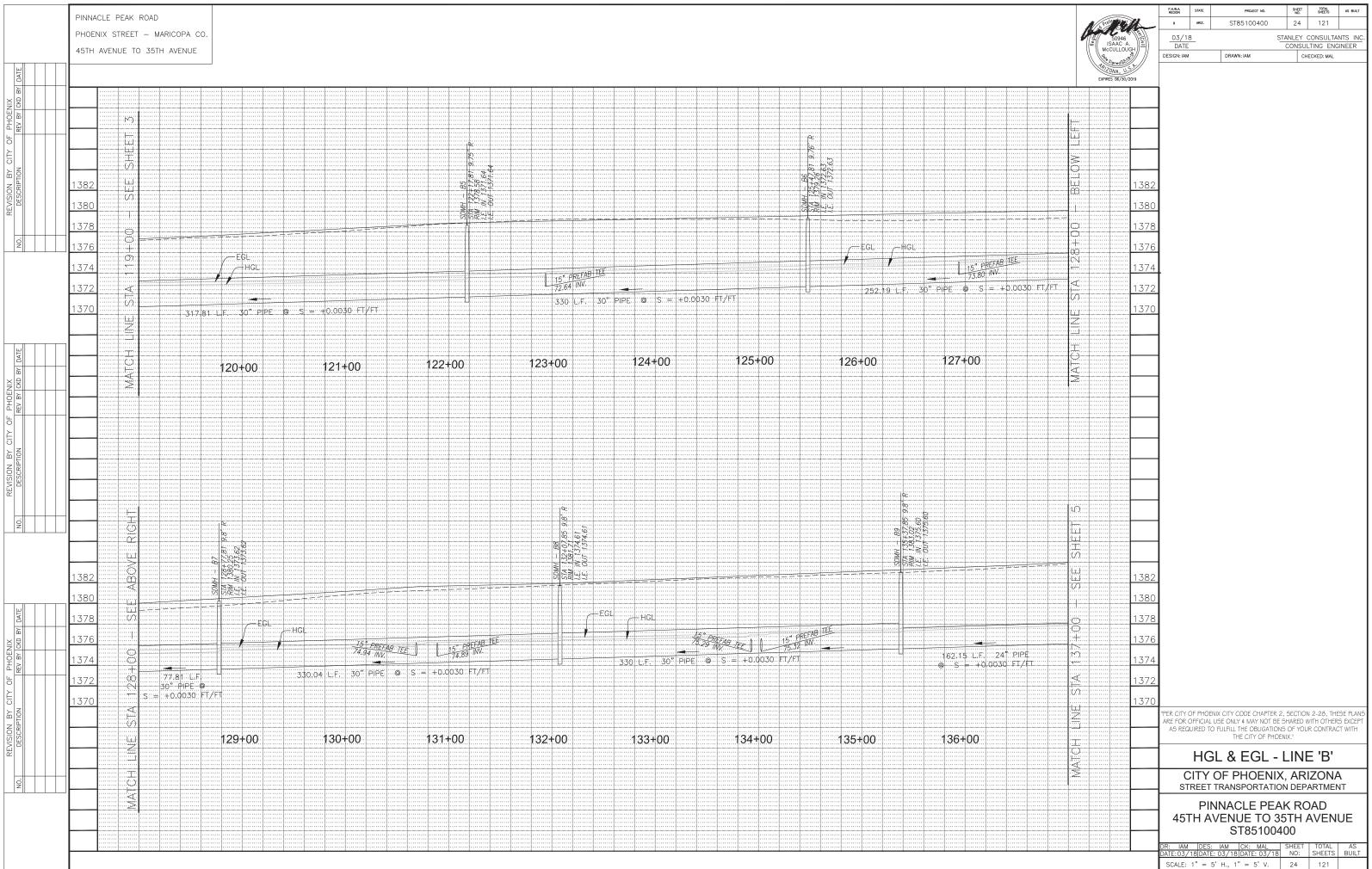


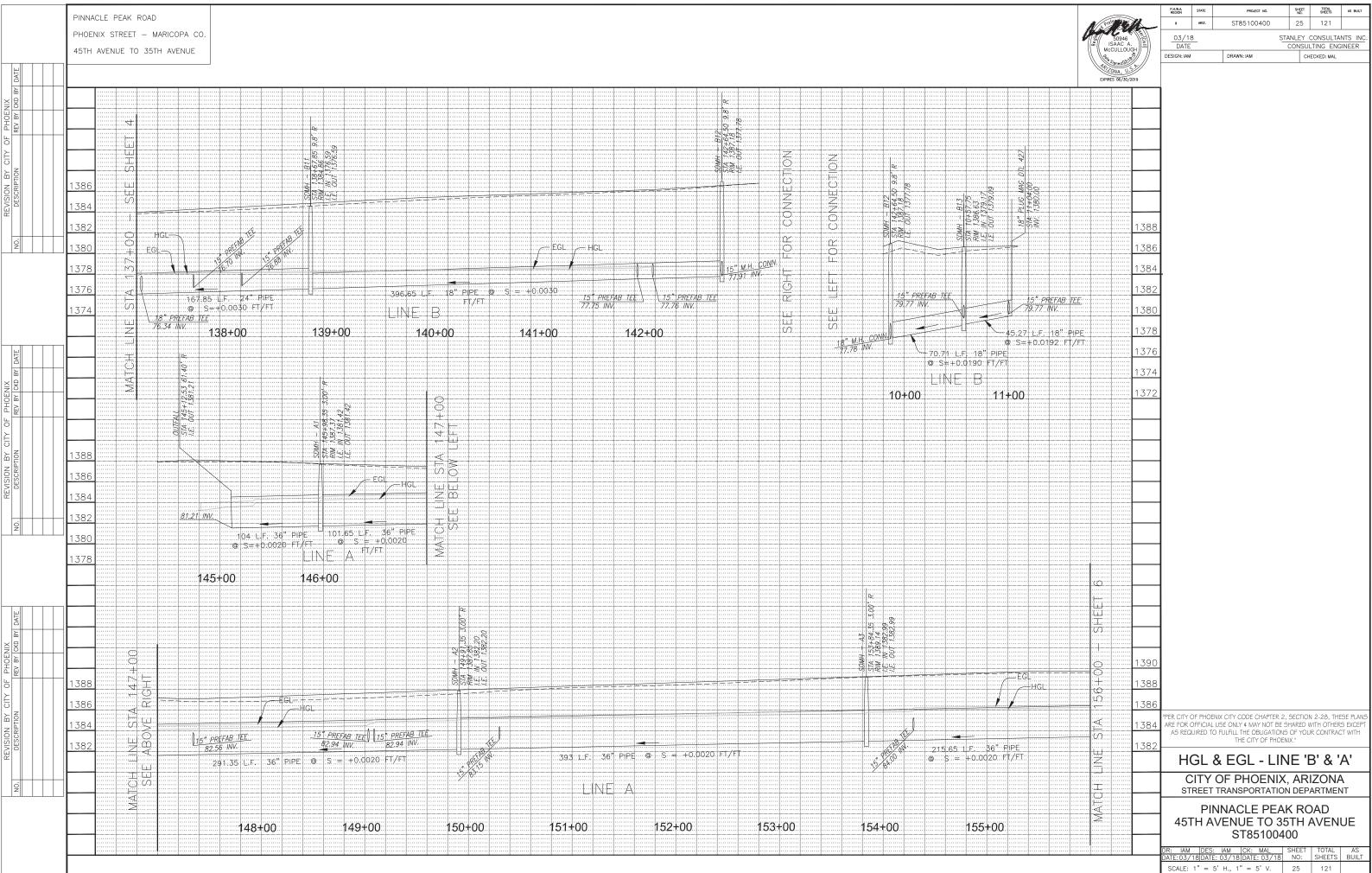


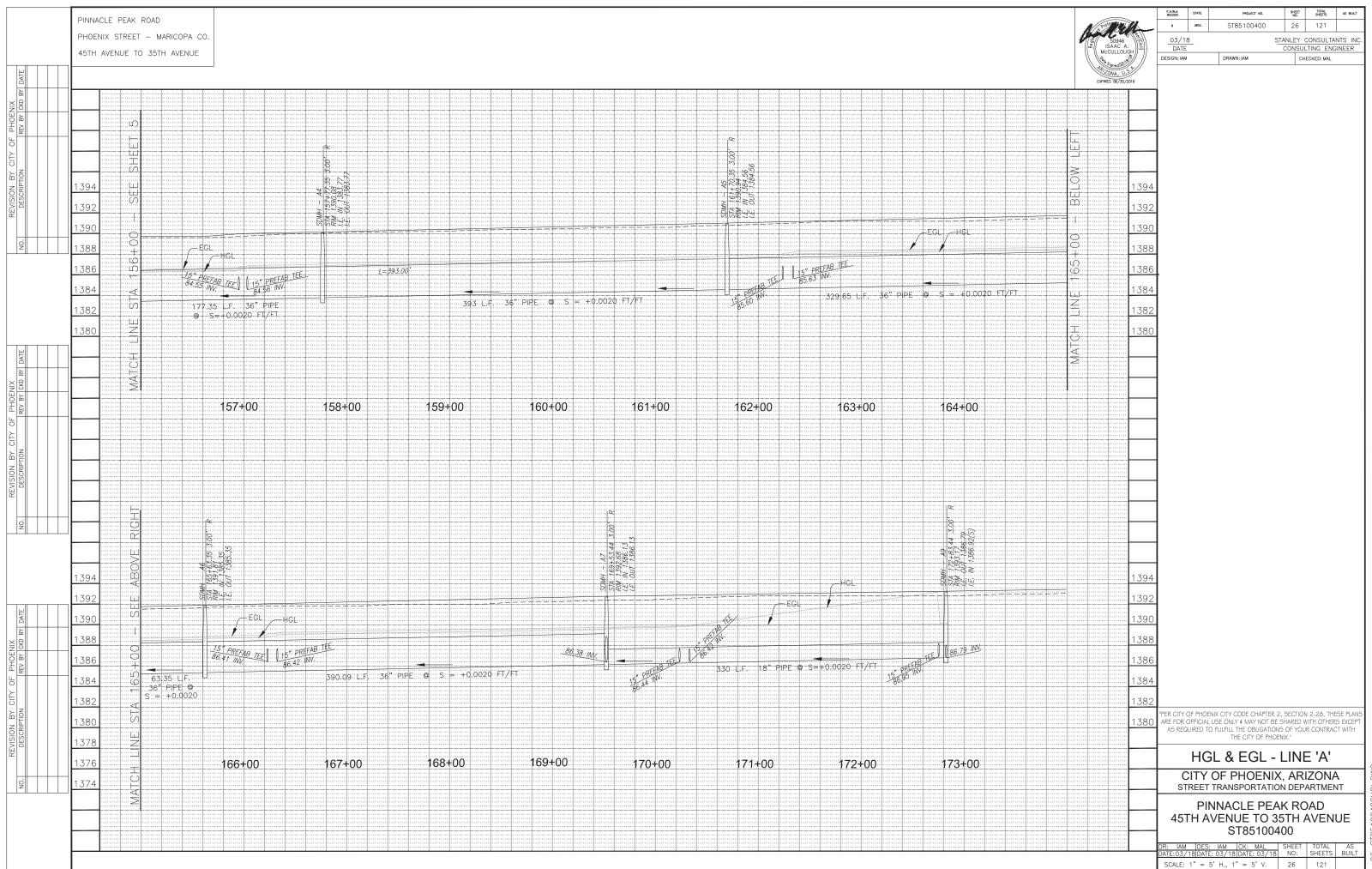














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	ď		AREA - A	ACRES	INFILTR	FOR CONCENT			RUNO		RAGE TREA C	ROSS F	LOWB	FLOW	DEPTH	WIDTH		DEPTH		B . L	NO.	N N	T _{C2} IAIN	MAIN STORM	SLOPE	SIZE	VELOCIT	LENGT		ELEVA	TION	HYD'	RAULIC (GRADE L	INE	HEAD BETWEEN 0.5'	LENGT	DIA	DEDT
EA	ž	INLET STA.	TOTAL C	IMPROV.	in. /	N TIME	- IV	T _C INLE	T INLE	T GU1	M TTER OPE		TO THIS	BY + RUNOFF			GUTTER VELOCIT	OF SUMP IF A	INLET TYPE	CCEPTY C.B	- ⊒		ORM RAIN	DRAIN	STORM	MAIN STOR	MAIN STORM	H MAIN STORM	T _{C2}	CRO	WN	Sf	ı H. L	ELEVA:	TION	B ELOW LIP	H CONN.	CONN	CATO
AR	<u>z</u>		ACRE R	CA	fc	SLOPE FT. /	MAX. DIST.		Q = C	LA FT	- / F		ATCH " BASIN	(Q)	M GUTTER	STREE	'	SUMP		Q AC		AREA IMPER		I Q ₂	FT. / FT.	DRAIN	DRAIN f.p.s.	DRAIN		INLET	OUTLET	FT.	FT.	INLET	OUTLET	GUTTER TO H.G. MAIN	PIPE	PIPE	BASIN
A 1	CB-A1	172+86.32	0.77 0.95	0.73	-	0.0018	514	10 2.63	3 2.0	0.0	018 0	.0280	0.00	2.00	0.32	10.1	1.38	_	P1569-2 M-1, L=6	2.0 0.	O CB-A	3 -	- 1		_	_	-	-	_	_	_		-	_	-	2.11	33	15	3.5
-	MH-A9	172+83.44		_	_	_	-		_		_	-	-	_	_	- 1	_	_	MANHOLE		_	0.73	10.06	2.62 1.9	0.0020	18	1.10	7	10.06 13	388.29	1388.28	0.0042	0.03 1	390.11	1390.10		T- '	-	_
A2	CB-A2	172+76.28	0.41 0.95	0.39	_	0.0019	324	10 2.63	3 1.1	0.0	019 0	.0220	0.00	1.10	0.25	9.1	1.15	_	P1569-1 M-1, L=6	1.1 0.4	O CB-A	4 1.12	10.17	2.61 2.9	0.0020	18	1.70	242	10.17 13	388.28	1387.80	0.0010	0.23 1	390.10	1390.07	2.78	37	15	3.5
A3	CB-A3	170+34.18	0.38 0.95	0.36	_	0.0018	252	10 2.63	3 1.0	0.0	018 0	.0290	0.00	1.00	0.26	7.5	1.18	_	P1569-2 M-1, L=3	1.0 0.4	O CB-A	5 1.47	12.60	2.39 3.6	0.0020	18	2.00	1.4	12.60 13	387.79	1387.76	0.0050	0.07 1	389.88	1389.84	2.11	37	15	3.5
A4	CB-A4	170+20.30	0.32 0.95	0.31	_	0.0019	256	10 2.63	3 0.9	0.0	019 0	.0230	0.00	0.90	0.23	7.8	1.08	_	P1569-1 M-1, L=3	0.8 0.	1 CB-A	6 1.78	12.71	2.38 4.3	0.0020	18	2.40	67	12.71 13	387.76	1387.63	0.0034	0.23 1	389.83	1389.77	2.31	37	15	3.5
-	MH-A7	169+53.44		_	-	_	-		_		_	_	-	-	_	-	_	_	MANHOLE		_	14.50	23.31	.78 26.0	0.0020	36	3.70	320	23.31 13	389.13	1388.49	0.0019	0.61 1	389.66	1389.54			-	_
A5	CB-A5	166+33.51	0.60 0.95	0.57	_	0.0018	401	10 2.63	3 1.5	0.0	018 0	.0210	0.00	1.50	0.28	10.7	1.20	_	P1569-2 M-1, L=3	1.4 0.	1 CB-A	7 15.0	7 24.76	.71 26.0	0.0020	36	3.70	9	24.76 13	388.49	1388.47	0.0159	0.15 1	389.05	1388.93	2.42	36	1.5	3.5
A 6	CB-A6	166+24.05	0.50 0.95	0.48	_	0.0021	396	10 2.6	3 1.3	0.0	023 0	.0210	3.10	4.40	0.38	15.6	1.65	_	P1569-1 M-1, L=3	2.6 1.3	8 CB-A	8 15.55	24.80	.71 26.8	0.0020	36	3.80	61	24.80 13	388.47	1388.35	0.0035	0.21 1	388.91	1388.78	2.41	36	1.5	3.5
-	MH-A6	165+63.35		_	-	_	-		_		-	-	-	-	-	- 1	-	_	MANHOLE		_	15.55	25.07	.70 26.6	0.0020	36	3.80	329	25.07 13	388.35	1387.69	0.0020	0.65 1	388.68	1388.57			-	-
A7	CB-A7	162+34.59	0.60 0.95	0.57	_	0.0020	399	10 2.63	3 1.5	0.0	020 0	.0200	0.10	1.60	0.27	11.1	1.23	_	P1569-2 M-1, L=3	1.4 0.:	2 CB-A	9 16.1	26.52	.63 26.4	0.0020	36	3.70	10	26.52 13	387.69	1387.67	0.0150	0.15 1	388.05	1387.92	2.61	36	15	3.5
A8	CB-A8	162+24.56	0.50 0.95	0.48	_	0.0021	399	10 2.63	3 1.3	0.0	021 0	.0210	1.80	3.10	0.34	13.6	1.51	_	P1569-1 M-1, L=3	2.1 1.0	0 CB-A	10 16.59	26.57	.62 27.2	0.0020	36	3.80	54	26.57 13	387.67	1387.56	0.0039	0.21 1	1387.9	1387.77	2.56	36	15	3.5
-	MH-A5	161+70.35		_	_	_	-		_		_	-	-	_		- 1		_	MANHOLE		_	16.59	26.80	.61 27.0	0.0020	36	3.80	393	26.80 13	387.56	1386.77	0.0019	0.75 1	387.68	1387.56			_	_
-	MH-A4	157+77.35		_	_	_	-		_		_	-	-	_		- 1		_	MANHOLE		_	16.59	28.52	.53 25.€	0.0020	36	3.60	73	28.52 13	386.77	1386.62	0.0033	0.24 1	386.92	1386.81			_	_
A10	CB-A10	157+04.30	0.80 0.95	0.76	_	0.0021	520	10 2.6	3 1.7	0.0	021 0	.0230	1.00	2.70	0.33	12.2	1.50	_	P1569-1 M-1, L=3	2.0 0.	7 CB-A	12 17.2	28.86	.52 26.3	0.0020	36	5.20	- 8	28.86 13	386.63	1386.61	0.0192	0.16 13	386.70	1386.57	3.32	36	15	3.5
A9	CB-A9	156+96.35	0.66 0.95	0.62	_	0.0017	539	10 2.63	3 2.1	0.0	017 0	.0190	0.20	2.30	0.31	13.6	1.27	_	P1569-2 M-1, L=3	1.8 0.:	5 CB-A	11 17.98	3 28.88	.52 27.5	0.0020	36	4.80	266	28.88 13	386.61	1386.08	0.0021	0.55 1	386.56	1386.41	3.45	36	15	3.5
A11	CB-A11	154+29.72	0.40 0.95	0.38	_	0.0033	266	10 2.63	3 1.0	0.0	033 0	.0250	0.50	1.50	0.26	8.5	1.60	_	P1569-2 M-1, L=3	1.3 0.:	2 CB-A	13 18.36	3 29.81	.47 27.2	0.0020	36	4.80	45	29.81 13	386.08	1385.99	0.0044	0.20 1	386.01	1385.86	2.37	36	15	3.5
-	MH-A3	153+84.35		-	_	_	-		_		_	-	-	_	_		_	_	MANHOLE		_	18.36	3 29.97	.46 27.1	0.0020	36	4.80	393	29.97 13	385.99	1385.20	0.0017	0.67 1	385.80	1385.66			_	_
-	MH-A2	149+91.35		_	_	_	-		_		_	-	-	_	_		_	_	MANHOLE		_	18.36	31.34	.44 26.6	0.0020	36	4.70	76	31.34 13	385.20	1385.05	0.0035	0.27 1	385.11	1384.99			_	_
112	CB-A12	147+34.30	1.00 0.95	0.95	_	sag	789	10 2.6	3 2.5		- 0	.0260	0.70	3.20	_	4.6	_	0.16	P1569-1, M-2, L=17	3.1 0.	1 (sag) 19.30	31.62	.43 27.9	0.0020	36	4.40	13	31.62 13	385.04	1385.01	0.0169	0.22 1	384.88	1384.72	2.73	36	1.5	3.5
113	CB-A13	147+50.00	0.79 0.95	0.75	_	sag	528	10 2.6	3 2.0		- 0	.0240	0.20	2.20	_	4.0	_	0.14	P1569-2, M-2, L=17	2.2 0.1	0 (sag	20.05	31.65	.43 28.9	0.0020	36	4.80	304	31.65 13	385.03	1384.42	0.0024	0.73 1	384.71	1384.50	2.74	36	1.5	3.5
-	MH-A1	145+98.35		_	_		-		_		_	-	-	_	_	- 1	_	_	MANHOLE			20.05	32.71	.41 28.5	0.0020	36	4.80	64	32.71 13	384.42	1384.29	0.0064	0.41 1	383.95	1383.77		T - '	-	_
- 1	MH-AO	145+38.38		_	-	_	-		_		-	_	-	-	_	- 1	_	_	MANHOLE		_	20.05	32.93	.41 28.5	0.0020	36	4.00	22	32.93 13	384.29	1384.25	0.0297	0.65 1	383.64	1383.36		<u> </u>	-	_
\6W	CB-A6W	10+79.25	8.70 0.73	6.36	-	0.0043	### :	23 1.7	1 11.5	5 0.0	065 0	.0065	0.00	11.50	0.4	22.3	2.96	_	1569-1 M-2, L1=17, L2=	10.1 1.	4 CB-A	.6 –	-		_	-	_	-	_	-	-		-	-	-	2.01	1.7	2.4	4.0
16E	CB-A6E	10+79.25	8.70 0.73	6.36	-	0.0043	###	23 1.74	1 11.5	5 0.0	080 0	.0080	0.00	11.50	0.39	21.6	3.20	_	1569-1 M-2, L1=17, L2=	9.9 1.	6 CB-A	.6 –	- 1		_	-	_	-	-	-	_		-	_		1.82	26	24	4.0
-	MH-A8	10+78.86		_	_	_	-		_		_	-	-	_	_	_	_	_	MANHOLE		_	12.73	2 23.03	.79 23.0	0.0040	3.0	4.70	78	23.03 13	389.16	1388.85	0.0047	0.37 1.	390.22	1389.91	-		_	







"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

STORM DRAIN DESIGN

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

				1 /
DR: IAM DES: IAM CK: MAL	SHEET	TOTAL	AS	ľ
DATE: 03/18 DATE: 03/18 DATE: 03/18	NO:	SHEETS	BUILT	ı
SCALE: N.T.S.	27	121		٩



	F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	SHEETS	AS BUILT
	9	ARIZ.	ST85100400	28	121	
(Civil)	03/18 DATE	3_	SĪ	ANLEY	CONSULTA	NTS INC.

	DATE			
×	CKD BY			
PHOEN	REV BY CKD BY DATE			
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CITY				
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REVISION BY CITY OF PHOENIX	DESCRIPTION			
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NO. DESCRIPTION REV KN KN BY DATE

NO.	0 2	INLET .	AREA	A - ACRE	INFILTE	N		T _c INLET	RUNOFF TO INLET	AVERAGE UPSTREA M	CROSS SLOPE AT	FLOWB Y TO	FLOW BY	DEPTH OF WATER		GUTTER	DEPTH OF	INLET	EPTED B.	T. NO.	T _{c2} MAIN STORM	MAIN SLOP STORM MAIN DRAIN STOR	MAIN	VELOCIT Y MAIN	H	ELEVA Δ CRO	WN	YDRAUL	CORADE LINE	HEAD BETWEEN 0.5' BELOW		DIA. DEPTH
ZEA	Ē	STA.	ADEA	C IMP	ROV. in. / REA hr.	TIME	М	-		GUTTER SLOPE	INLET FT. /	THIC	+ RUNOFF	UPSTREA M		VELOCIT Y	SUMP IF A	TYPE	ACCI BY C	N N	DRAIN	DRAIN FT.	M	STORM	STORM	1 a	Sf FT. /	HL			CONN.	. H PIPE BASIN
A	 MH-B12	142+64.50	S	R (CA f _e	SLOPE FT. /	MAX. DIST.		Q = C.I.A	FT. / FT.	FT.	BASIN	(Q)	GUTTER	T		SUMP	MANHOLF	0	10	AREA T _c IMPER (MIN.) Q ₂ FT.	DRAIN	f.p.s.	DRAIN	INLET 10.43 1379.28		FT.	INLET OUTLET	TO H.G.	1112	THE BASIN
B 1		141+97.52	0.49	0.95 0.	46 -	0.00474	327 1	10 2.63	1.3	0.00474	0.0250	0.00	1.30	0.23	7.5	1.77		P1569 M-1, L=3	1.2 0.1	CB-B3	0100 1011	0 2100 111 01000	3 18	LIOU	0,	TOTTO TOTOLEO	1010100 01000	0 0 0	8 1378.73 1378.69	6.77	30	15 4
B 2		141+88.42	0.43	0.95 0.	40 –	0.0043	337 1	0 2.63	1.1	0.0043	0.0210	0.00	1.10	0.22	7.9	1.58	-	P1569 M-1, L=6	1.1 0.0											6.82	44	15 4.0
_	MH-B11A	141+88.42	_	_	_			_	_	_		_	_	_	-	_		MANHOLE MANHOLF					18						2 1378.69 1378.61 4 1378.20 1378.19		_	
В3	CB-B3	138+01.58	0.59	0.95 0.	.56 -	0.0047	396 1	10 2.63	1.5	0.0047	0.0260	0.10	1.60	0.25	8.0	1.87	_	P1569 M-1, L=3	1.3 0.3										6 1378.18 1378.15		26	15 4.0
B 4		137+53.75	0.55	0.95 0.	.52 –	0.0052	435 1	10 2.63	1.4	0.0052	0.0210	0.00	1.40	0.23	8.4	1.79	_	P1569 M-1, L=3	1.2 0.2							12.93 1378.25				0.20	47	15 4.0
B5	MH-B9 CB-B5	135+37.85	0.43	0.95 0	41 -	0.0039	344 1		1 1	0.0039	0.0220	0.40	1.50	0.25	9.2	1.66		MANHOLE P1569 M-1, L=3	1 3 0 2		6.09 14.2		30			14.22 1377.72			5 1377.34 1377.22 1 1377 10 1376 97		54	3.5
В6	CB-B6	133+90.00						0 2.63		0.0044			1.90		8.9	1100	_	P1569 M-1, L=3											1 1376.95 1376.76		24	15 4.0
-	MH-B8	132+07.85	-	-		_			-	-	-	-	-	-	-	-	-	MANHOLE				1 2.18 14.7 0.003	30	4.90		14.91 1377.11				-	-	
B 8	CB-B7 CB-B8	130+76.50		0.95 0.		sag sag		0 2.63	1.1		0.0210		1.30	_	8.9	_	0.24	P1569 M-1, L=3 P1569 M-1, L=3				6 2.16 15.3 0.003 8 2.15 16.4 0.003	30	5.50		15.36 1376.72 15.38 1376.69					56 24	15 3.5 15 3.5
-	MH-B7	128+77.81	-	- 0.00		- 309			-	-	-	-	-	-	-	-	-	MANHOLE					30	5.00		16.02 1376.12				-	-	
B 9	CB-B9	126+93.94	0.47	0.95 0.	.45 –	0.0022	375 1	10 2.63	1.2	0.0022	0.0210	0.00	1.20	0.24	9.1	1.21	-	P1569 M-1, L=3	1.1 0.1			4 2.10 16.8 0.003	30	5.00	146	16.64 1375.57	1375.13 0.003	1 0.4	6 1374.98 1374.77	4.39	24	15 3.5
B 1 0	MH-B6 CB-B10	125+47.81	0.51	0.95	48 –	0.0022	400 1		1 3	0.0024	0.0250	0.10	1.40	0.27	8.8	1 31		MANHOLE P1569 M-1, L=3	1 3 0 1	CB-B11		2 2.07 16.7 0.003	30	5.00	254 76	17.12 1375.13	1374.37 0.002		5 1374.48 1374.31 3 1373.86 1373.66	4.49	17	15 4 0
-	MH-B5	122+17.81	-	- 0.00		- 0.0022			-		-	-	-	-	-	-	_	MANHOLE		-	8.46 18.2	2 2.02 17.2 0.003	30	5.10	324	18.22 1374.14		4 0.7	7 1373.52 1373.33	-	-	
B 1 1	CB-B11	118+93.94	0.51	0.95 0.	48 –	0.0029	400 1	0 2.63	1.3	0.0054	0.0250	0.10	1.40	0.25	8.3	1.46	-	P1569 M-1, L=3	1.2 0.2	BOFF1	8.94 19.2			4.90		19.28 1373.16		0 0.2	2 1372.74 1372.56	3.76	17	15 4.0
B R	MH-B4 CB-BR	118+79.23	0.95	0.70 0	66 -	0.0050	400 1		1.0	0.0080	0.0190	0.00	1.00	0.19	7 1	1 9 3		MANHOLE P1569 M-1, L=6	1000	CB-B2	8.94 19.3	3 1.97 17.7 0.003	30	5.10	214	19.33 1373.12	1372.48 0.002	0.5	4 1372.53 1372.34	4.45	81	15 4 0
BL	CB-BL	10+62.75	0.95	0170	66 -	0.0050	400 1	10 2.63	1.0	0.0050	0.0190	0.00	1.00	0.13	7.8	1.60	_	P1569 M-1, L=6	1.0 0.0	CB-B2			_	-	-			_		6.17	18	15 4.0
_	MH-B13	10+62.75	-	-		_			-	_	-	-	_	-	-	-	-	MANHOLE		-	0.66 10.2		18	5.40	71	10.21 1380.59	1379.32 0.011	9 0.8	4 1379.69 1379.59	_	-	
B6E B6W	CB-B6E	137+19.74 136+87.74		0.70 3.	06 -	0.0041	730 1	2.4	4.0	010010	0.0230		4.00	0.43	16.6	1.25	_	P1569 M-1, L=17 P1569 M-1, L=17	4.0 0.0	CB-B5			_	-	-					4.92	16	15 4.0 15 4.0
		10+76.60		- 3.	06 -	0.0041			4.0	- 0.0100	-	- 0.00	4.00	- 0.23	-	- 2.31		MANHOLE	J.6 U.2	-	3.06 12.0	2 2.44 7.5 0.006	3 18	4.30	81	12.02 1378.39	1377.84 0.005	2 0.4	2 1378.73 1378.48	4.94	-	- 4.0
C 1		28+36.05	0.33	0.95 0.	.32 –	0.0053	264 1	10 2.63	0.9	0.0053	0.0200	0.00	0.90	0.2	7.2	1.62	-	P1569 M-1, L=6	0.9 0.0	CB-C4			-	-	-			_		4.07	35	15 4.0
- C2	MH-C14 CB-C2	28+36.05 28+24.99	- 7.5	0.95 0		-			-	0.0039		-	0.90	0.21	-	-	_	MANHOLE P1569 M-1, L=6		- 0.D. 0.7	0.32 10.0	8 2.62 0.8 0.002	7 36	0.10	11	10.08 1381.15	1381.12 0.000	0.0	0 1381.37 1381.37 9 1381.37 1381.37	-	- 7.0	 15 4 0
- 62	MH-C12	28+24.99	-	- 0.95		0.0039	2/5 1	- 2.63	0.9	0.0039	0.0200	0.00	0.90	0.21	- /./	1.44		MANHOLE	0.9 0.0	- CB-C3	16.47 26.9	2 1.61 26.7 0.003	36	3.80	111	26.92 1379.83	1379.83 0.001	5 0.3	9 1381.37 1381.37	4.15	-	- 4.0
C 3	CB-C3	22+85.51	0.68	0.95 0.	.65 -	0.0038	539 1	10 2.63	1.8	0.0038	0.0200	0.00	1.80	0.26	10.2	1.66	_	P1569 M-1, L=6	1.8 0.0	-	17.11 27.4	1 1.59 27.3 0.004	36	3.90	5	27.41 1379.50	1379.48 0.038	0 0.1	9 1380.37 1380.19	3.48	36	15 3.5
C 4			0.70	0.95 0.	.67 –	0.0032	556 1	10 2.63	1.8	0.0039	0.0200	0.00	1.80	0.26	10.2	1.67	_	P1569 M-1, L=17	1.8 0.0	CB-C5	17.78 27.4	3 1.58 28.4 0.003	36	4.00	324	27.43 1379.48	1378.51 0.002	4 0.7	7 1380.18 1380.00	3.49	36	15 4.0
C 6	MH-C11 CB-C6	19+56.05 19+35.44	0.44	0.95	42 -	0.0030	350 1		1 2	0.0030	0.0200	0.00	1.20	0.24	9.1	1 38		MANHOLE P1569 M-1, L=17	1 2 0 0	CB-C7	18 20 28 9	8 1.52 27.2 0.002 4 1 51 27 8 0 004	48	2.20	5	28.78 1379.01	1378.95 0.002	0.0	6 1379.28 1379.23	3 37	36	15 4 0
C 5				0.95 0.		0.0032	350 1	0 2.63	1.2	0.0032	0.0200		1.20		8.7	1.39	_	P1569 M-1, L=6	1.1 0.1	CB-C8	18.62 28.9	7 1.51 28.4 0.003) 48	3.70	345	28.97 1378.93	1377.89 0.002	0 0.6	8 1379.16 1379.11	3.39	36	15 4.0
C 7		15+85.50		0.95 0.				0 2.63	1.2		0.0200		1.20		9.4		-	P1569 M-1, L=6			36.07 34.7			4.00		34.73 1377.90		4 0.1		2.88	36	15 4.0
C 8	CB-C8 MH-C8	15+80.41 15+16.05	0.44	0.95 0.	42 -	0.0080	350 1	0 2.63	1.2	0.0080	0.0200	4.50	5.70	0.33	13.8	2.89		P1569 M-1, L=10 MANHOLE	4.3 1.4		36.49 34.7 44.54 35.0		, ,,,	4.20		34.75 1377.88 35.00 1377.69	1377.69 0.007	7 0.5	0 1378.42 1378.27	3.22	36	15 4.0
C 10	CB-C10	12+50.37	0.42		40 -	0.0023	330 1	10 2.63	1.1	0.0023	0.0250	1.40	2.50	0.32	11.0	1.56	_	P1569 M-1, L=17	2.4 0.1				4 48	4.90		35.91 1376.89	1376.84 0.016	8 0.2	5 1377.29 1377.06	3.50	36	15 4.0
C 9		12+35.46						0 2.63	1.2	0.0018			1.30		0.0	1.19	-	P1569 M-1, L=6			45.36 35.9			6.90		35.96 1376.84				3.75	36	15 4.0
C11 C12		11+02.29		0.95 0.		0.0025		10 2.63	0.5	0.0025			0.60			1.10		P1569 M-1, L=6 P1569 M-1, L=3	0.5 0.1		45.52 36.2		1 48	7.00		36.28 1376.44 36.31 1376.41		6 0.2	6 1376.57 1376.34 0 1376.32 1376.08	3.86	36	15 4.0 15 4.0
-	MH-C7	10+76.05	-	- 0.33		(sag)			-	- 0.0023	-	-	-	-	-	-	_	MANHOLE) 48	5.80				3 0.3	5 1376.06 1375.78		-	
_	MH-C6	129+23.09	-	-					-	-	-	-	-	-	-	-	-	MANHOLE			45.71 36.6			6.00		36.65 1376.15		3 0.3	9 1375.61 1375.43	_	-	
C 1 3	CB-C13 MH-C4	126+25.12 124+06.12	0.5/	0.95 0.	54 -	(sag)	451 1	0 2.63	1.5	sag —	0.0270	0.10	1.60	_	5.0	_	0.21	P1569 M-1, L=10 MANHOLE	1.5 0.1	(sag)	46.25 37.4 55.48 38.0		54	6.00		37.49 1375.56 38.09 1375.12		9 0.6	3 1375.20 1375.04 0 1374.62 1374.41	3.30	47	15 4.0
C 1 4	CB-C14	122+90.68	0.42	0.95 0.	40 -	0.0017	334 1	10 2.63	1.1	0.0023	0.0200	1.70	2.80	0.33	14.0	1.35	_	P1569 M-1, L=3	2.1 0.7	CB-C15	55.88 38.4	0 1.31 73.6 0.002		6.20		38.40 1374.89			8 1374.28 1374.01	3.84	47	15 3.5
_	MH-C3	118+89.19		-		-		- -	-	_	-	-	-			-	-	MANHOLE		-	55.88 39.4	8 1.29 72.4 0.002	1 54	6.20	44	39.48 1374.08		5 0.3	3 1373.53 1373.33	-	-	
C 15	CB-C15	118+45.37	0.56	0.95 0.	.53 –	0.0027	354 1	10 2.63	1.5	0.0027	0.0200	0.70 2.90	4.20	0.36	15.1	1.76		P1569 M-1, L=6 NON-PROJECT INLET			56.41 39.5 56.84 40.5		54	6.20		39.59 1373.99 40.55 1373.28	1372 97 0.002	0 0.7	2 1373.28 1373.00	2.98	47	15 3.5
-	MH-CW2	114+91.00	-	- 0.93		- 0.0036			-	- 0.0036	-	2.30	4.10		- 12.3	-		NON-PROJECT MANHOLE		_	56.84 40.9	6 1.26 72.1 0.002		6.20		40.96 1372.98	1372.97 0.003	5 0.5	3 1372.08 1371.82	2.23	-	
C OFF2	CB-COFF2	112+24.80	0.34	0.95 0.	.32 –	sag	266 1	0 2.63	0.9	-	0.0200	1.30	2.20	-	7.8	-	0.21	NON-PROJECT INLET	2.1 0.0	(sag)	57.16 41.2	7 1.25 72.2 0.002 4 1.24 71.6 0.017	54	6.20		41.27 1372.75			0 1371.66 1371.29	1.80	46	15 4.0
_	MH-CW1	112+24.80	- 11 FO		05	-	шш п		- 14 F	0.0070	0.0000		1450	- n = 1		- 77		NON-PROJECT MANHOLE	145 00	- CP 01	57.16 41.8	4 1.24 71.6 0.017	54	13.60	137	41.84 1372.32	1370.00 0.014	9 2.0	4 1370.79 1370.29	7 20	- 10	- -
C 4 N	C 4 N MH-C 1 3	11+18.16	-	- 8.		0.0027	### 1	- 2.02	14.5	0.0039	0.0200	- 0.00	14.50	- 0.51	22.8	-		P1569 M-2, L=17 MANHOLE	14.5 0.0		7,91 22.0	1 1.84 14.7 0.004	3 30	4.96	118	22.01 1380.79	1380.28 0.006	2 0.7	3 1382.20 1382.09	3.20	16	24 4.0
C4S	C4S	10+78.78	11.00	0.70 8.	.05 –	0.0027	### 1	18 2.02	14.5	0.0039	0.0200		14.50	0.51	22.8	2.77		P1569 M-2, L=17	14.5 0.0	CB-C4	15.82 22.2	3 1.83 29.2 -	1 -	-	-			-		3.11	17	24 4.0
C8NB	C8NB MH-C10	11+14.89	28.34	0.60 17	.00 -	0.0029	17 11 11	33 1.4	12.0	0.0105	0.0200	0.00	12.00	0.4	17.5	3.85		P1569 M-1, L=17	8.8 3.2	CB-C8	0 50 77 0	 1 1.41 12.1 0.006	7 24	4 18	1111	 33.01 1378.02			 7 1379.83 1379.75	2.99	16	24 4.0
C8S	CAS	11+14.89	28.34		.00 -	(sag)	### 3	33 1.4	12.0	-	0.0200	0.00	12.00	_	11.5	_	0.28	MANHOLE P1569 M-2. L=17	8,2 3.8	CB-C8	17.00 33.2		/ 24	4.18	-	- -	- 0.006	0.6	/ 13/9.83 13/9./5	1382.86	17	24 4.0
C8NA		10+61.46	0.03	0.95 0.			53 1	0 2.63	0.1	- 1	0.0200	3.20	3.30		7.9	-	0.21	P1569 M-1, L=17	2.7 0.6	(sag)	17.03 33.2									1382.82	17	24 4.0
C 10N		10+60.80		0.70 8.			### 1	8 2.02	8.5	0.0015		0.00	8.50	0.5	22.3			P1569 M-1, L=17	8.5 0.0	CB-C10	- -		_		-							24 4.0
C 10S	CB-C10S MH-C9	10+60.80	-	0.70 8.		0.0027	### 1	18 2.02	8.5	0.0007	0.0200	0.00	8.50	0.58	26.1	1.24		P1569 M-1, L=17 MANHOLE	8.5 0.0	- CB-C10	8.05 18.0	1 2.03 16.5 0.004	2 24	5.20	5.7	18.01 1376 98	1376.74 0.005	3 0.3	0 1378.85 1378.51	3.12	16	24 4.0
C 14W	CB-C14W	10+77.40	14.20	0.65 9.	23 –	0.0016		23 1.74	8.5	0.0029	0.0150	0.00	8.50	0.41	23.4	2.04		P1569 M-1, L=17	7.8 0.7				-	-	-					3.72	18	15 4.0
-		10+87.34	-	-		-			-	-	-	-	-	-		-	_	MANHOLE			4.62 23.0		30	3.25	85	23.02 1375.14	1374.30 0.002	8 0.2	4 1375.21 1375.18	-	-	
C 14E	CB-C14E	10+77.40	14.20	U.65 9.	23 -	J U.0016	### 2	23 1.74	8.5	0.0036	0.0150	J 0.00	8.50	0.4	22.5	2.21		P1569 M-1, L=17	7.6 0.9	CB - C14	H 9.23 [23.0	9[1./9[16./] =					- -			3./1	16	15 4.0

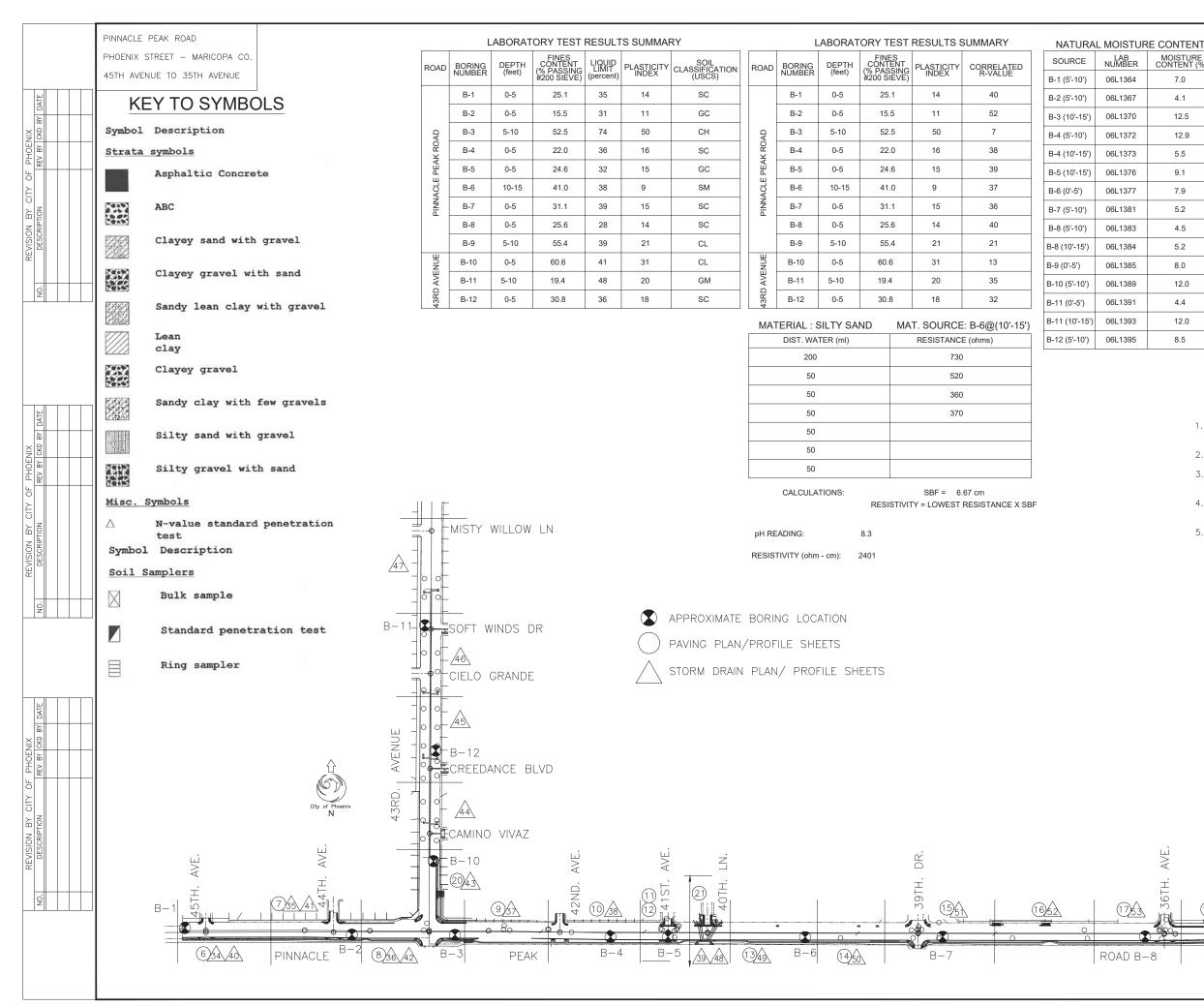


"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

STORM DRAIN DESIGN

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

DR: IAM DES: IAM CK: MAL DATE: 03/18 DATE: 03/18 DATE: 03/18	SHEET NO:	TOTAL SHEETS	AS BUILT	α
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SHEET TOTAL SHEETS

F.H.W.A. STATE

- 1. EXPLORATORY BORINGS WERE DRILLED ON 7/19-7/20/06 USING A CME-75 DRILL RIG WITH 8" HSA.
- 2. BORING LOCATIONS WERE SELECTED BY HOQUE & ASSOCIATES, INC.
- 3. RESULTS OF TEST CONDUCTED ON RECOVERED SAMPLES ARE REPORTED ON THE LOGS AND/OR GEOTECHNICAL REPORT.
- 4. THESE LOGS ARE SUBJECT TO LIMITATIONS, CONCLUSIONS AND RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
- 5. THE BORING LOGS SHOWN ON THIS SHEET DO NOT CONSTITUTE A PART OF THE CONTRACT AND ARE INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IT IS NOT INTENDED TO IMPLY THAT THE CHARACTER OF MATERIALS IS THE SAME AS THAT SHOWN IN THE LOGS AT ANY POINT OTHER THAN WHERE THE BORING WAS MADE. THE CONTRACTOR SHALL SATISFY HIMSELF REGARDING THE CHARACTER AND AMOUNT OF ROCK, GRAVEL, SILT, CLAY AND WATER TO BE ENCOUNTERED IN THE WORK TO BE PERFORMED.

TEST AND BORING PERFORMED FOR THE CITY OF PHOENIX BY: HOQUE & ASSOCIATES, INC. 4325 SOUTH 34TH STREET PHOFNIX, A7 85040 TFI: 480-921-1368

HOQUE & ASSOCIATES - 06100 PROJECT NUMBER REPORT DATE - 12/8/2006



PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLAN ARE FOR OFFICIAL LISE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEP AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.

SOIL BORING LOGS

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

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TE:03/18 DATE: 03/18 DATE: 03/18	NO:	SHEETS	BUILT	က်
SCALE: N.T.S.	29	121		2

SHEET NO. TOTAL SHEETS PINNACLE PEAK ROAD ARIZ. ST85100400 30 121 PHOENIX STREET - MARICOPA CO. 03/18 STANLEY CONSULTANTS INC DATE CONSULTING ENGINEER 45TH AVENUE TO 35TH AVENUE DRAWN: IAM CHECKED: MAL PROJECT: Pinnacle Peak Road Paving and Storm Drain Improvmen PROJECT NO.: 06100 PROJECT: Pinnacle Peak Road Paving and Storm Drain Improvmen PROJECT NO.: PROJECT: Pinnacle Peak Road Paving and Storm Drain ImprovmenPROJECT NO.: 06100 06100 **BORING LOG BORING LOG BORING LOG** CLIENT: Steele Engineering, Inc. DATE: 7/19-7/20/06 CLIENT: Steele Engineering, Inc. DATE: 7/19-7/20/06 DATE: CLIENT: Steele Engineering, Inc. 7/19-7/20/06 LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: not dtrmnd LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: not dtrmnd DRILLER: Wilcox LOGGED BY: DRILLER: Wilcox LOGGED BY: LOGGED BY: BORING NO. B-2 DRILLING METHOD: CME-75 8" HSA
DEPTH TO - WATER> INITIAL: ♀ none encountered **BORING NO. B-3 BORING NO. B-1** DRILLING METHOD: CME-75 8" HSA DRILLING METHOD: CME-75 8" HSA AFTER 24 HOURS: ₹ DEPTH TO - WATER> INITIAL: ₩ AFTER 24 HOURS: * DEPTH TO - WATER> INITIAL: # ______ none encountered AFTER 24 HOURS: * TEST RESULTS TEST RESULTS SOIL Plastic Limit |---Plastic Limit | Water Content -J USCS Plastic Limit -Description USCS Description USCS Description Water Content - • Water Content - • Penetration - A 10 20 30 10 20 30 GC Brown Clayey GRAVEL with Sand; damp 5" Asphalt Concrete 7" Asphalt Concrete 12" Aggregate Base Course 8" Aggregate Base Course SC SC Brown Clayey SAND with gravel; damp Brown Clayey SAND with Gravel; damp 11 54"SD Medium dense CH Brown Sandy FAT CLAY with Gravel; damp Medium dense, increase in Gravel quantity 30"SD 30"SD 54"SD 50 SC Brown Clayey SAND with Gravel; damp Brown Clayey SAND with gravel; damp Very dense SC A73: Dense Boring terminated at 15 feet depth. Borehole backfilled with Boring terminated at 15 feet depth. Borehole backfilled with Boring terminated at 15 feet depth. Borehole backfilled with cuttings and patched with cold-mix asphalt. cuttings and patched with cold-mix asphalt. - 20 - 20 - 20 - 25 - 25 - 25 - 30 Š. - 35 -35 35 & ASSOCIATES & ASSOCIATES & ASSOCIATES PAGE 1 of 1 PAGE 1 of 1 Figure PAGE 1 of 1 Figure Figure PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLAN

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ARE FOR OFFICIAL LISE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEP AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

SOIL BORING LOGS

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

PINNACLE PEAK ROAD 45TH AVENUE TO 35TH AVENUE ST85100400

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NOTES:

THE BORING LOGS SHOWN ON THIS SHEET DO NOT CONSTITUTE A PART OF THE CONTRACT AND ARE INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IT IS NOT INTENDED TO IMPLY THAT THE CHARACTER OF MATERIALS IS THE SAME AS THAT SHOWN IN THE LOGS AT ANY POINT OTHER THAN WHERE THE BORING WAS MADE. THE CONTRACTOR SHALL SATISFY HIMSELF REGARDING THE CHARACTER AND AMOUNT OF ROCK, GRAVEL, SILT, CLAY AND WATER TO BE ENCOUNTERED IN THE WORK TO BE PERFORMED.

PINNACLE PEAK ROAD ARIZ. ST85100400 31 121 PHOENIX STREET - MARICOPA CO. 03/18 STANLEY CONSULTANTS INC DATE CONSULTING ENGINEER 45TH AVENUE TO 35TH AVENUE DRAWN: IAM CHECKED: MAL PROJECT: Pinnacle Peak Road Paving and Storm Drain ImprovmentPROJECT NO.: 06100 PROJECT: Pinnacle Peak Road Paving and Storm Drain Improvment PROJECT NO.: 06100 PROJECT: Pinnacle Peak Road Paving and Storm Drain ImprovmenPROJECT NO.: 06100 **BORING LOG BORING LOG BORING LOG** CLIENT: Steele Engineering, Inc. DATE: 7/19-7/20/06 CLIENT: Steele Engineering, Inc. CLIENT: Steele Engineering, Inc. LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: not dtrmnd LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: not dtrmnd not dtrmnd DRILLER: Wilcox LOGGED BY: LOGGED BY: LOGGED BY: DRILLER: Wilcox DRILLER: Wilcox BORING NO. B-4 BORING NO. B-5 BORING NO. B-6 DRILLING METHOD: CME-75 8" HSA DRILLING METHOD: CME-75 8" HSA DRILLING METHOD: CME-75 8" HSA DEPTH TO - WATER> INITIAL: ¥ AFTER 24 HOURS: * DEPTH TO - WATER> INITIAL: From none encounter AFTER 24 HOURS: 🔻 DEPTH TO - WATER> INITIAL: ₩ AFTER 24 HOURS: 🔻 TEST RESULTS TEST RESULTS TEST RESULTS SOIL TYPE Plastic Limit | Water Content -USCS Description USCS Plastic Limit - Liquid Limit Plastic Limit | Description Description Water Content - • Water Content - • Penetration - A 10 5 10 20 30 10 20 - 0 5" Asphalt Concrete 5" Asphalt Concrete CL Brown Sandy lean CLAY; damp 16" Aggregate Base Course 16" Aggregate Base Course SC Brown Clayey SAND with Gravel; damp Brown Clayey GRAVEL with Sand; damp 15 36"SD Medium dense SC Loose Brown Clayey SAND with Gravel; damp Medium dense 24"SD 2-6'x6' BOX CULVET 10 Increase in Gravel quantity and size CL SC Brown Clayey SAND with Gravel; damp Dense Brown Sandy lean CLAY; trace gravel, damp SC SC Very stiff Very dense 50 for 4" Boring terminated at 15 feet depth. Borehole backfilled with Boring terminated at 15 feet depth. Borehole backfilled with Boring terminated at 15 feet depth. Borehole backfilled with cuttings and patched with cold-mix asphalt. cuttings. cuttings and patched with cold-mix asphalt. - 20 - 20 -25 - 25 - 25 - 30 - 30 . S - 35 - 35 -& ASSOCIATES & ASSOCIATES & ASSOCIATES DACE 4 of 4

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"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLAN ARE FOR OFFICIAL USE ONLY \$ MAY NOT BE SHARED WITH OTHERS EXCEP
ARE FOR OFFICIAL USE ONLY \$ MAY NOT BE SHARED WITH OTHERS EXCEPT
AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH
THE CITY OF PHOENIX "

SHEET NO.

TOTAL SHEETS

SOIL BORING LOGS

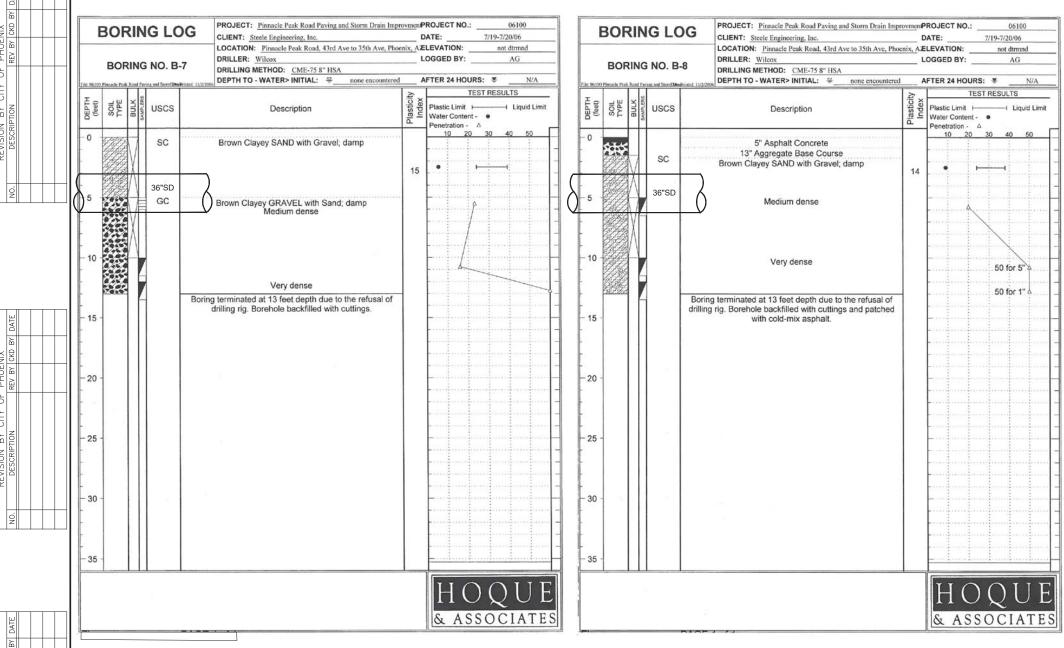
CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

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	BOI	SIN	ıG	NO. B	-9	LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: DRILLER: Wilcox LOGGED BY:			
						DRILLING METHOD: CME-75 8" HSA DEPTH TO - WATER> INITIAL: none encountered	Α	AFTER 24 HOURS:	₹ N/A
	1		П	ni and StornEDte	Printed 11/2/200	6 00 1110 - 11110 - 11110	_		RESULTS
DEPTH (feet)	SOIL	BULK	SAMPLERS	uscs		Description	Plasticity Index	Plastic Limit	Liquid Lim
-0 - -		V		CL	Br	own Sandy lean CLAY with few gravels; damp		10 20 3	30 40 50
- - -5 ·		\setminus		36"SD		Hard			À
							21	•	
- 10 -		V	7	GC		Brown Clayey GRAVEL with Sand; damp Dense			1
- 15 -		\setminus				Very dense			
-					Boring	terminated at 15 feet deph. Borehole backfilled with	1		△75 for 11
- - - - 20 -						cuttings.			
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"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY \$ MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

SOIL BORING LOGS

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

PINNACLE PEAK ROAD 45TH AVENUE TO 35TH AVENUE ST85100400

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SCALE: N.T.S.	32	121		3

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SHEET TOTAL AS BUILT NO. ARIZ. ST85100400 33 121 03/18 DATE STANLEY CONSULTANTS INC CONSULTING ENGINEER CHECKED: MAL

	File: 061	BOR	ING	NO. B-	LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Photo DRILLING METHOD: CME-75 8" HSA DESCRIPTION: WATER NINTIAL: For proceed to the procession of the p	LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATION: not dtrmad DRILLER: Wilcox LOGGED BY: AG DRILLING METHOD: CME-75 8" HSA DEPTH TO - WATER> INITIAL: ♀ none encountered AFTER 24 HOURS: ▼ N/A				
	DEPTH	SOIL	BULK	USCS	Description	Plasticity Index	TEST RESULTS Plastic Limit → Liquid Lir Water Content - ◆ Penetration - △			
חסוקון וואספים	-0	\$3.5 ////	V	CL	5" Asphalt Concrete 14" Aggregate Base Course Brown Sandy lean CLAY; trace gravel, damp	31	10 20 30 40 50			
	5			SC 48"SD	Brown Clayey SAND with Gravel; damp Stiff					
	10				Very dense		50 for 5"%			
	- 15		/\		Dense Boring terminated at 15 feet depth. Borehole backfilled with cuttings and patched with cold-mix asphalt.					
	-20									
	- - - 25	- 25 -								
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BORING LOG)G	PROJECT: Pinnacle Peak Road Paving and Storm Drain Impro			06100 7/19-7/20/06		
		000,717,00		88, IQT-109	CLIENT: Steele Engineering, Inc. DATE: _ LOCATION: Pinnacle Peak Road, 43rd Ave to 35th Ave, Phoenix, AÆLEVATI					
					DRILLER: Wilcox		OGGED BY:			
	BOR	ING	NO. B-	11	DRILLING METHOD: CME-75 8" HSA			AG		
					DEPTH TO - WATER> INITIAL: none encountered	А	FTER 24 HOUR	S: ▼ N/A		
nie: 0610	O Pinnade Peak	Road Pa	ving and Store(IRe	invisted: 11/2/200	6	_	The second second	ST RESULTS		
DEPTH (feet)	SOIL	BULK	USCS		Description	Plasticity Index	Plastic Limit H Water Content - Penetration -	Liquid Limit		
- 0	ris	X	SM		5" Asphalt Concrete 13" Aggregate Base Course Brown Silty SAND with Gravel; damp		10 20	30 40 50		
- 5			GM 36"SD	3	Brown Silty GRAVEL with Sand; damp Medium dense	20	•	1		
- 10					Dense					
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				Boring t	erminated at 15 feet depth. Borehole backfilled with cuttings and patched with cold-mix asphalt.			≱63 →		
- 20										
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File: 06100 P	innacie Peak	Road Pav	ing and Storr(13se	Winted 11/2/200	GEFTH TO WATER MITTAL. Those dicountered			RESUL1			
DEPTH (feet)	SOIL	SAMPLERS	uscs	8	Description	Plasticity Index	Plastic Limit -		Liquid Lim		
-0	8.15°	X	sc		5" Asphalt Concrete 12" Aggregate Base Course Brown Clayey SAND with Gravel; damp	18		30 40	50		
)- -		Y	Decrease in Gravel quantity Medium dense		Decrease in Gravel quantity Medium dense		1				
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SOIL BORING LOGS

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

PINNACLE PEAK ROAD 45TH AVENUE TO 35TH AVENUE ST85100400

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