LEGEND

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

	NEW CONCRETE	A A .
	NEW CONTOUR	
	DIRECTION OF DRAINAGE	Y
	FINISH GRADE	FG
ELEVATION= 1298.96	NEW ELEVATION	P=99.80
BRASS CAP FLUSH AT THE INTERSECTION OF FRYE ROAD AND COLT DRIVE.	SAWCUT & MATCH EXISTING	g s
▲ PROJECT BENCHMARK	MATCH EXISTING	≤
TOWN OF GILBERT DATUM - CHAPARRAL ESTATES DATUM. ELEVATION= 1264.73	EXISTING SPOT ELEVATION	• 97.3
BRASS CAP IN HANDHOLE AT THE INTERSECTION OF RAY ROAD AND VAL VISTA ROAD.	MANHOLE EXISTING ELEVATION	MH C=99.27
BENCHMARK	IRRIGATION	IRRIG
TEL.: (602) 944-5829		SD
PHOENIX, AZ. 85020	PUBLIC UTILITY EASEMENT	VG
MARTIN ENGINEERING & SURVEYING, INC. 1734 F. FRIFR DRIVF	BASIN	CB
ENGINEER		RD
TEL.: (602) 257-1764	DOWN SPOUT	DS
PHOENIX, AZ. 85012 CONTACT: ASHISH DANDAVATE	FIRE HYDRANT	FH
ELEVENTH FLOOR	WATER METER	MM
ORCUTT/ WINSLOW	FINISHED FLOOR	FF
ARCHITECT		IB
PHONE (480) 797-9779		BCF
GILBERT, AZ. 85295 CONTACT; BENNY BUCHOLZ	SIDEWALK SIDEWALK	R/W
2935 SOUTH RECKER ROAD	BACKFLOW PREVENTER	BFP
HIGHEV LINIEHED SCHOOL DISTRICT	CONCRETE	CONC
OWNED	GRADE BREAK	CB
	IRRIGATION CONTROL VALVE	IV/ICV
	WATER	W
	SEWER	S INV
	GUTTER AND PAVEMENT	G/P
	1 1	C/P
	GUTTER	C
	TOP OF CURB	TC
	PAVEMENT	P
	CONCRETE	C
	VERTICAL CURB AND GUTTER	VC&G
		T- BOX
	TRANSFORMER	TRANS
	WATER VALVE	ΛM
	CLEANOUT	CO
	STORM DRAIN MANHOLE	SDMH
	CHAIN LINK FENCE	EB
	WROUGHT IRON FENCE	WIF
	FENCE	

IMPROVEMENT PLANS 3380 E. FRYE ROAD

SHEET INDEX

BERT

, ARIZONA 85295

- COVER SHEET
 RESULTS OF SURVEY
 IMPROVEMENT PLAN
 DETAILS
 STORM WATER MANAGEMENT PLAN
- PROJECT NOTES
- ALL DESIGN AND CONSTRUCTION MUST BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS AND DETAILS PUBLISHED BY THE MARICOPA COUNTY ASSOCIATION OF GOVERNMENTS (MAG) AND AS AMENDED BY THE TOWN OF GILBERT.
- <u>?</u> THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE TOWN OF GILBERT ENGINEERING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR INSPECTION.
- ALL DRYWELLS SHOWN ON THIS PROJECT SHALL BE MAINTAINED BY THE OWNER AND ARE TO BE REPLACED BY THE OWNER WHEN THEY CEASE TO DRAIN THE SURFACE WATER IN A 36-HOUR PERIOD. REGULAR MAINTENANCE OF THE DRYWELL. THE CONTRACTOR IS ADVISED THAT AN EXCAVATION AND DIRT MOVING PERMIT IS REQUIRED BY THE MARICOPA COUNTY HEALTH DEPARTMENT AND THE TOWN OF GILBERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THIS PERMIT AT HIS EXPENSE AND TO COMPLY WITH ITS REQUIREMENTS.
- ALL RETENTION BASINS MUST DRAIN ANY STORM EVENT UP TO AND INCLUDING THE 100-YEAR STORM WITHIN 36 HOURS. OWNER OF ANY BASIN FAILING TO MEET THIS REQUIREMENT MUST TAKE CORRECTIVE ACTION TO BRING THE BASIN INTO COMPLIANCE.
- STRAIGHT GRADE BETWEEN ELEVATIONS SHOWN.
- THE GRADING AND DRAINAGE PLAN IS TO BE USED FOR ELEVATIONS ONLY (EXCEPT FOR SPECIFIC DIMENSIONS AS SHOWN). SEE THE APPROVED ARCHITECTURAL SITE PLAN FOR HORIZONTAL DIMENSIONS.

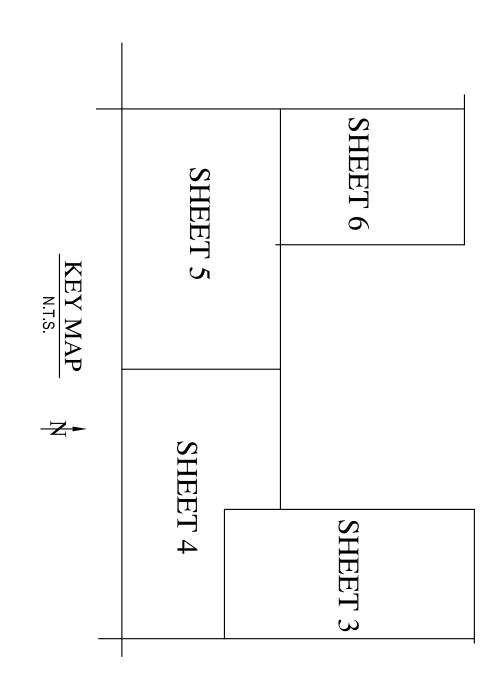
ALL IMPORTED FILL MATERIALS SHALL BE FREE OF CONTAMINANTS, TRASH, AND HAZARDOUS WASTES.

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- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE AND ELECTRIC CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO SUCH. THE ENGINEER AND/OR OWNER CANNOT GUARANTEE ANY LOCATIONS SHOWN ON THESE PLANS OR THOSE OMITTED FROM SAME.
- ADD 1200.00 TO ALL ELEVATIONS TO OBTAIN TRUE ELEVATIONS

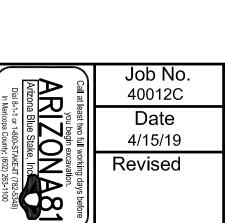
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- ALL ADJACENT DAMAGED OR DISPLACED CONCRETE CURBING, SIDEWALK, SLAB, FENCES ETC., SHALL BE REMOVED AND REPLACED IN-KIND AS DIRECTED BY THE ARCHITECT OR ENGINEER.
- THE PLANS PREPARED FOR THIS PROJECT PRESENT A DESCRIPTION OF THE WORK TO BE ACCOMPLISHED. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND DETERMINE, FROM HIS OWN INSPECTION, THE CONDITIONS UNDER WHICH IT IS TO BE PERFORMED. THE CONTRACTOR BY MAKING HIS BID, REPRESENTS THAT HE HAS VISITED THE SITE AND FAMILIARIZED HIMSELF WITH LOCAL CONDITIONS, THE TYPE OF WORK TO BE PERFORMED, EVALUATED THE DIFFICULTY OF PERFORMING THE REQUIRED TASKS, AND LABOR, EQUIPMENT AND MATERIAL THAT ARE REQUIRED TO PROVIDE A COMPLETE PROJECT.
- ANY REVISIONS OR ADDITIONS TO THESE PLANS SHALL BE APPROVED BY THE ENGINEER AND THE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, PIPES, OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
- PREPARATION OF GROUND: THE AREA OVER WHICH FILLS ARE TO BE MADE SHALL BE CLEARED OF ALL TRASH, TREES STUMPS, DEBRIS OR OTHER MATERIAL NOT SUITABLE AS A FOUNDATION FOR FILL.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS AND ONSITE CONDITIONS. THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN CONFLICT WITH THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURE'S ARE NOT FOLLOWED.
- ALL DRAINAGE SWALES SHALL BE FREE OF TRASH, DELETERIOUS MATERIAL, SILT, VEGETATION AND DEBRIS



RECORD DRAWING CERTIFICATION

APPROVALS	REGISTRATION NUMBER	REGISTERED ENGINEER/ LAND SURVEYOR
		DATE



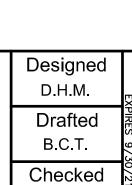
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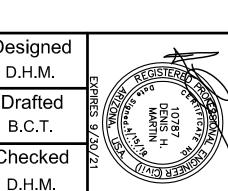
TOWN OF GILBERT FIRE DEPARTMENT

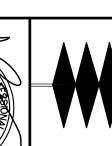
ADJACENT WAYS IMPROVEMENT PLANS

GILBERT, ARIZONA 85295

AT CHAPARRAL ELEMENTARY SCHOOL 3380 E. FRYE ROAD









MARTIN ENGINEERING

VICINITY MAP

N.T.S.

GREENFIELD

HIGLEY

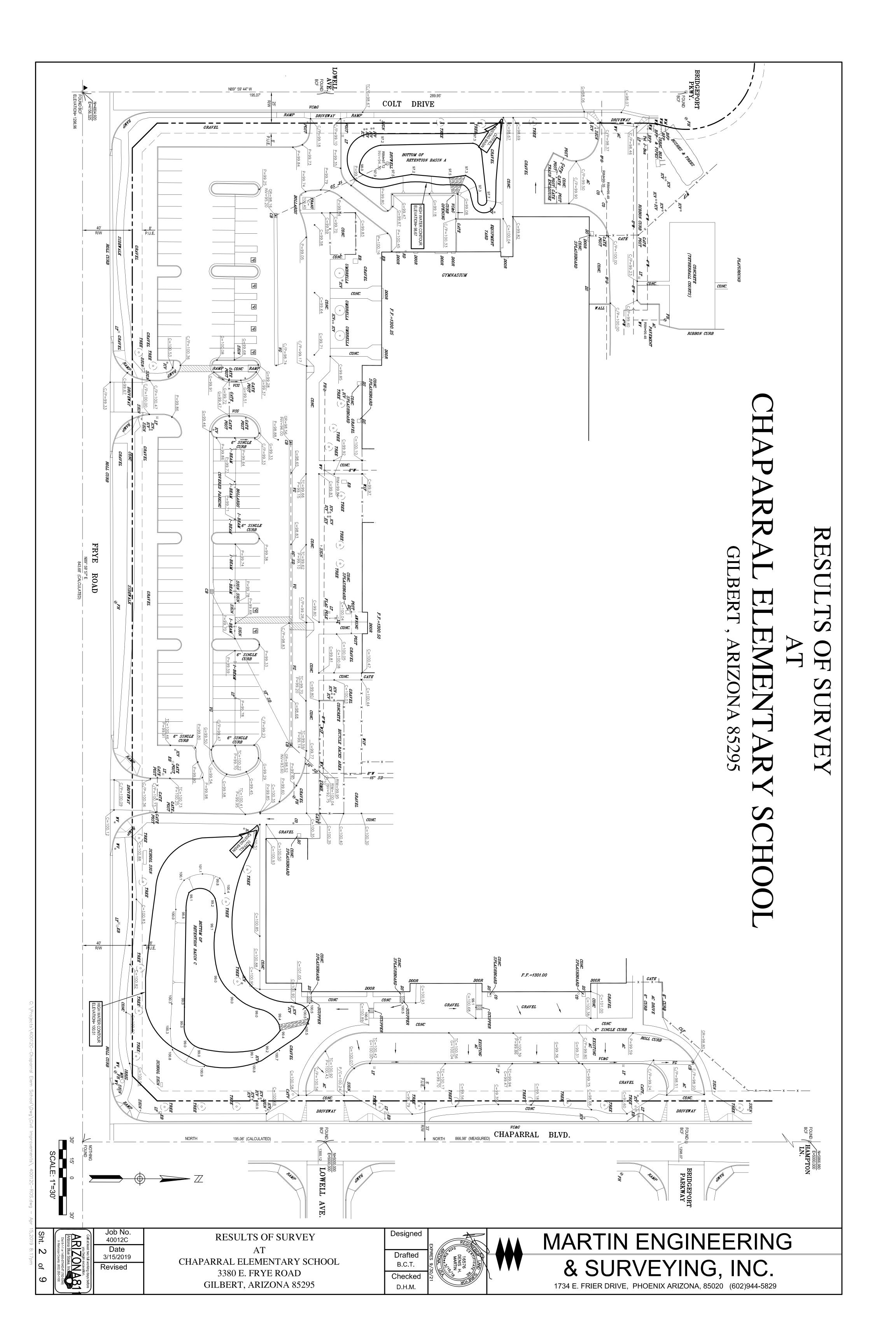
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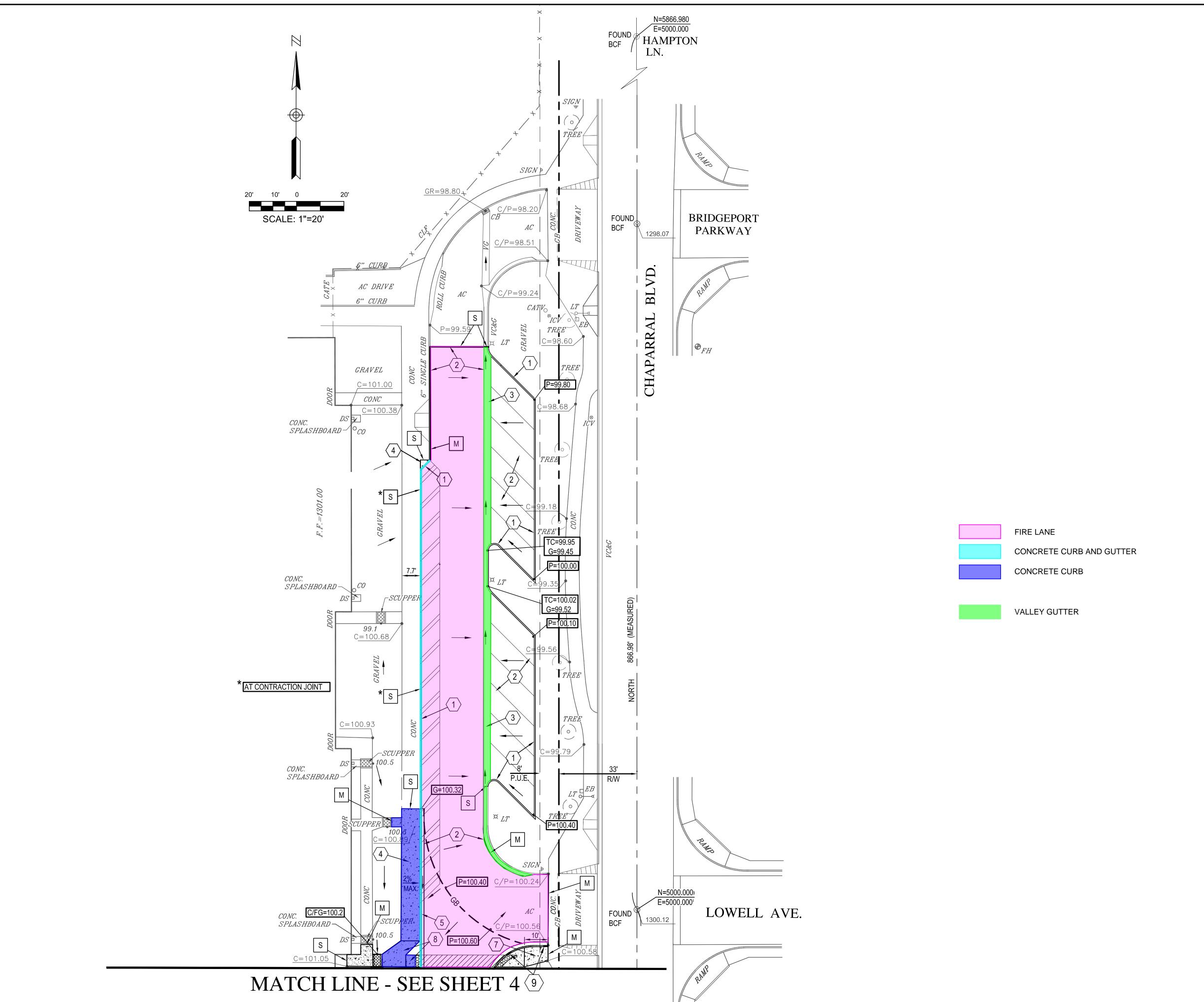
ROAD

CHAPARRAL BLVD.

ROAD

& SURVEYING, INC. 1734 E. FRIER DRIVE, PHOENIX ARIZONA, 85020 (602)944-5829





- CONSTRUCT SINGLE CURB PER M.A.G. STD. DETAIL 222, TYPE "A".

- CONSTRUCT CONCRETE SIDEWALK/ SLAB PER M.A.G. STD. DETAIL 230.
- CONSTRUCT VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL 220-1 TYPE "A". (6" HEIGHT UNLESS OTHERWISE NOTED)
- CONSTRUCT CURB TERMINATION PER M.A.G. STD. DETAIL 222. (MODIFIED TO 2')
- $\langle 10 \rangle$ SEE DETAIL 4 ON SHEET 7.
- CONSTRUCT 5' WIDE CONCRETE VALLEY GUTTER PER M.A.G. STD. DETAIL 240. (MODIFIED)

- 20 ADJUST SEWER CLEANOUT PER M.A.G. STD. DETAIL 391-1, TYPE "A".
- (22) TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- (23) CONSTRUCT 6' RAMP PER ELEVATIONS SHOWN.
- (26) CONSTRUCT SCUPPER PER M.A.G. DTD. DETAIL 203.
- INSTALL DETECTABLE WARNING MAT PER TOWN OF GILBERT STD. DETAILS GIL-260- & GIL-261.

CONSTRUCTION NOTES

(6" HEIGHT UNLESS OTHERWISE NOTED)

 $\langle 2 \rangle$ INSTALL NEW 3" AC (C- 3 /₄) OVER 8" A.B.C. PAVEMENT.

- CONSTRUCT 3' WIDE CONCRETE VALLEY GUTTER PER M.A.G. STD. DETAIL 240.

- 6 CONSTRUCT MAXWELL IV DRYWELL OR APPROVED EQUAL PER DETAIL ON SHEET 7.
- $\overline{\left<7\right>}$ SEE DETAIL 2 ON SHEET 7.
- $\langle 8 \rangle$ SEE DETAIL 1 ON SHEET 7.
- (11) CONSTRUCT RAMP PER DETAIL 3 ON SHEET 7.
- CONSTRUCT 5'x7' GROUTED RIP-RAP PAD TO BOTTOM OF HANDPLACED AND EXPOSED PORTION TO BE FREE OF GROUT.
- CONSTRUCT 5' WIDE GROUTED RIP-RAP PAD TO BOTTOM OF $\langle 14 \rangle$ RETENTION(9" THICK D $_{50}$ =6") AS SHOWN. ROCKS TO BE HANDPLACED AND EXPOSED PORTION TO BE FREE OF GROUT.
- (15) SEE RAMP DETAIL 5 ON SHEET 7.
- (16) ADJUST WATER VALVE PER M.A.G. STD. DETAIL 391-1, TYPE "A".
- 17 SEE RAMP DETAIL 6 ON SHEET 7.
- CONSTRUCT HEADWALL PER M.A.G. STD. DETAIL 501-1, "U" TYPE. (MODIFIED PER DIMENSIONS SHOWN PER DETAIL ON SHEET 6)
- (19) CONSTRUCT 9" THICK PORTLAND CEMENT DRIVEWAY SLAB.
- (21) CONSTRUCT 3' WIDE CURB OPENING.
- CONSTRUCT RIBBON CURB PER M.A.G. STD. DETAIL 220-1, TYPE "B". (MODIFIED TO 6" WIDTH.
- (25) CONSTRUCT 5' WIDE CURB OPENING.

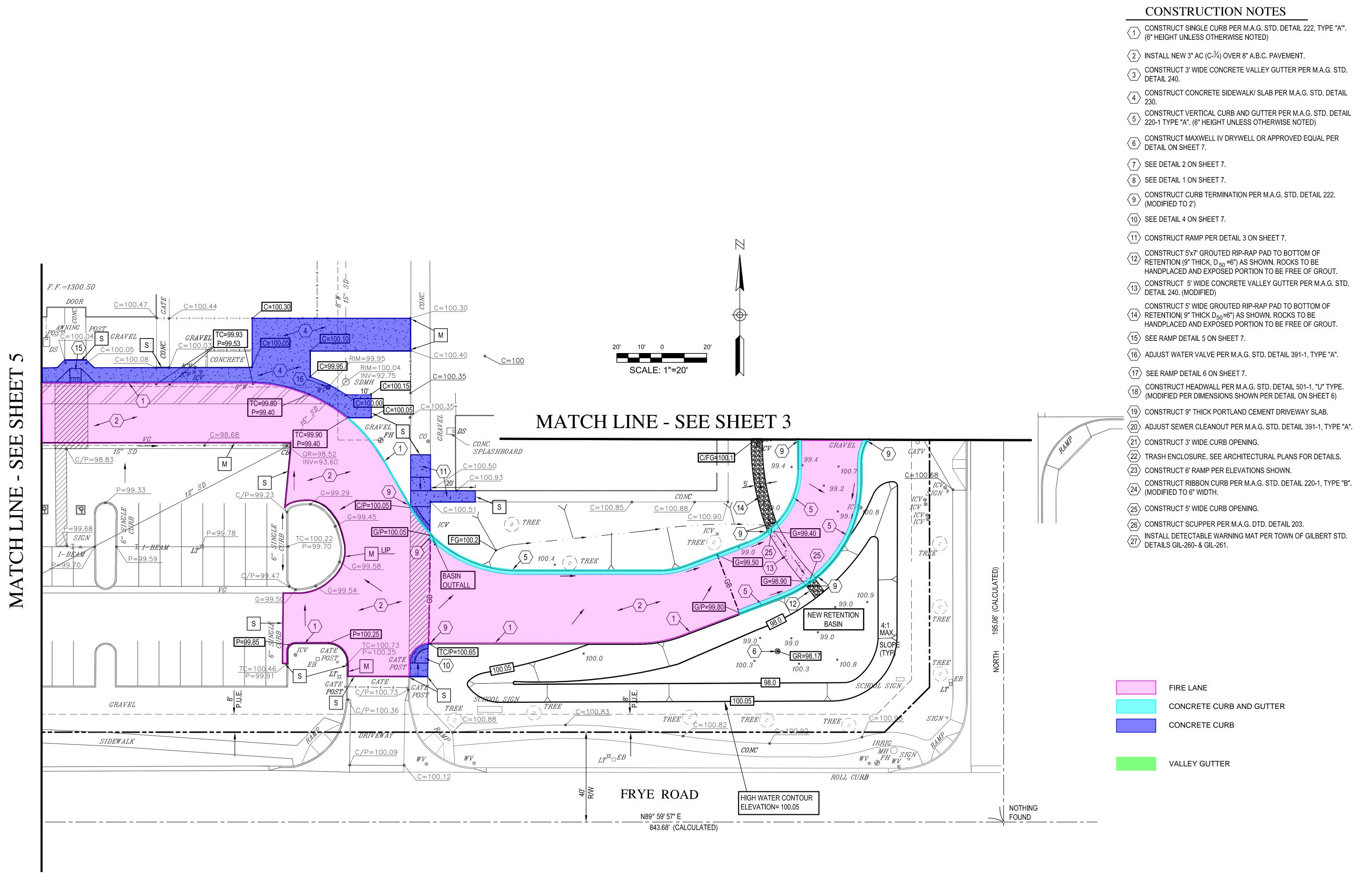
CHAPARRAL ELEMENTARY SCHOOL 3380 E. FRYE ROAD GILBERT, ARIZONA 85295

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70" 10787 DENIS H. MARTIN



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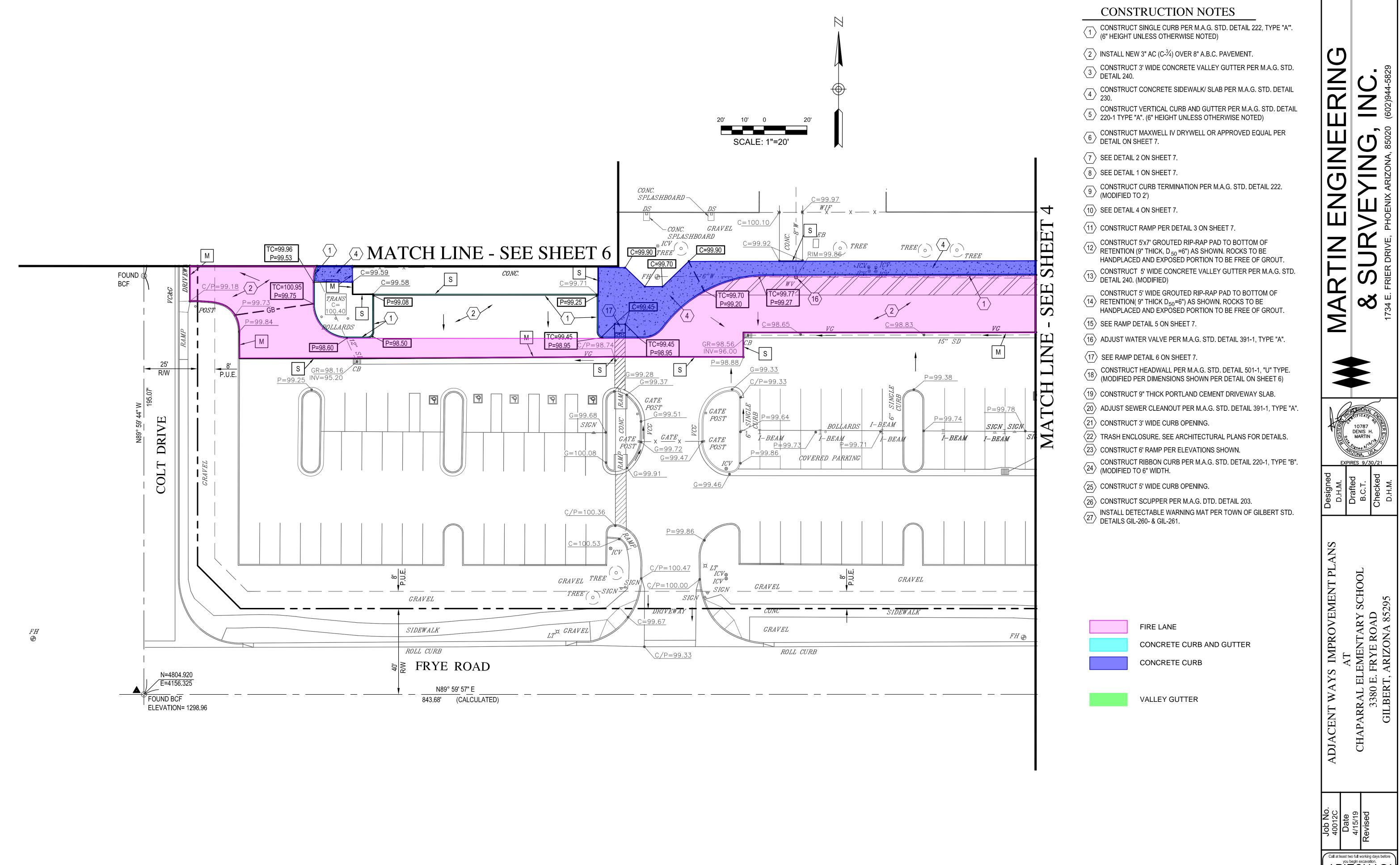


OJACENT WAYS IMPROVEMENT PI AT CHAPARRAL ELEMENTARY SCHOOL

> Job No. 40012C Date 4/15/19 Revised



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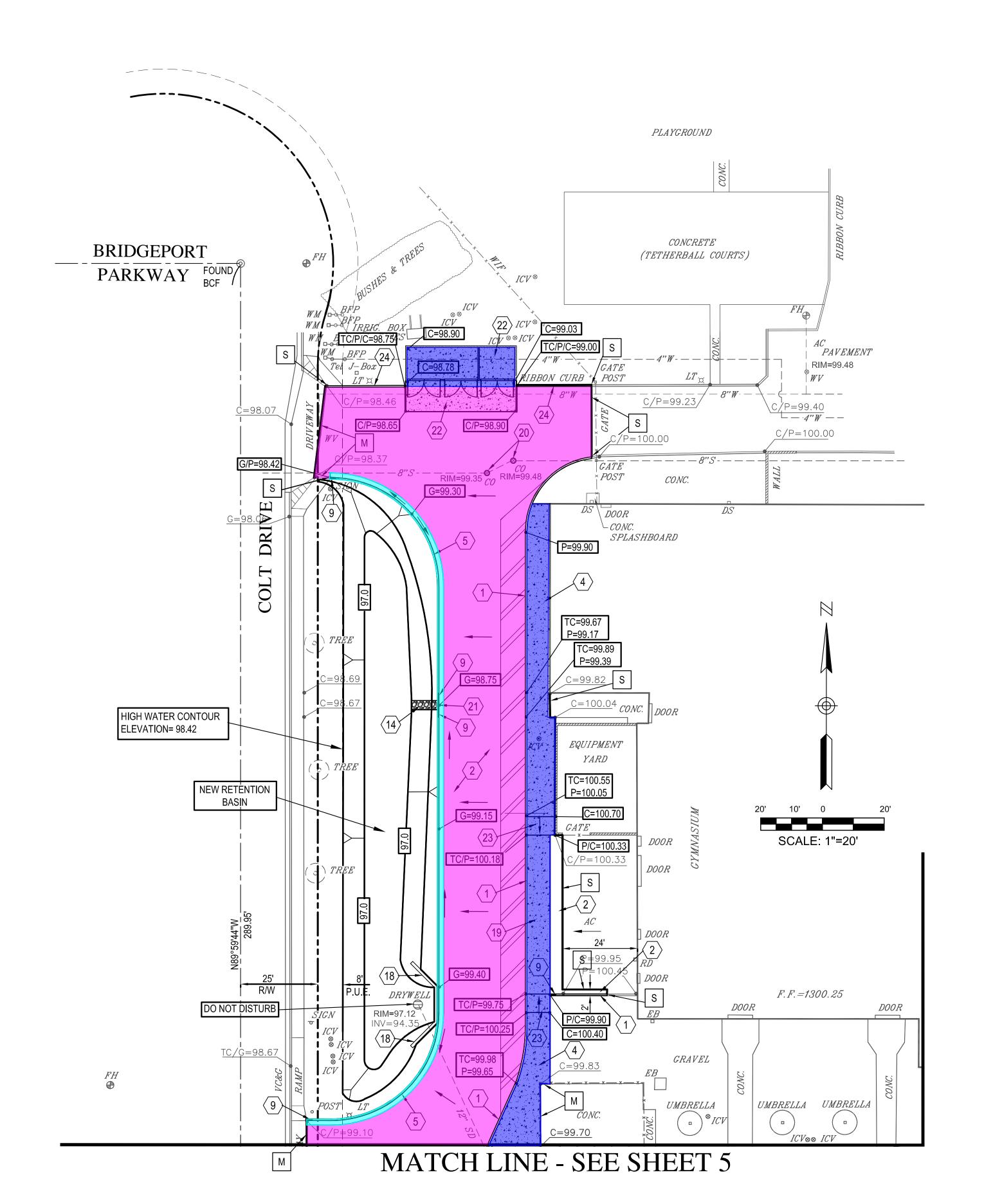




Call at least two full working days before you begin excavation.

ARIZONA81

Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-534 In Maricopa County: (602) 263-1100 Sht. 6 of 9



CONSTRUCTION NOTES

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INSTALL SAFETY RAIL

PER M.A.G. STD.

• • • •

HEADWALL DETAIL

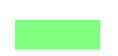
WITH TAPERED WINGS

* 10' OR LESS TO ALLOW PLENTY OF ROOM

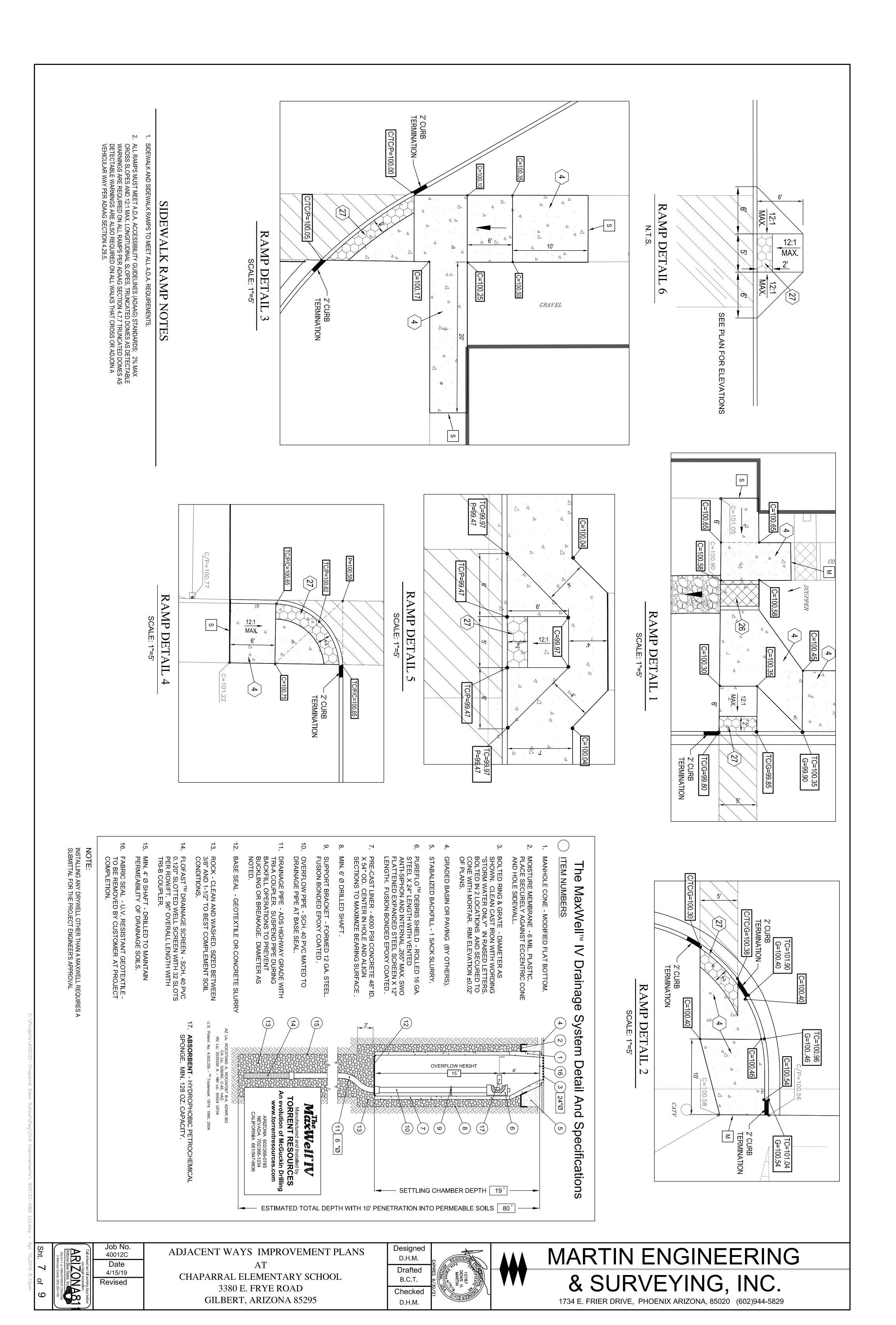
TO ACCESS DRYWELL FOR MAINTENANCE

- 8 SEE DETAIL 1 ON SHEET 7.
- (MODIFIED TO 2') CONSTRUCT CURB TERMINATION PER M.A.G. STD. DETAIL 222.
- (10) SEE DETAIL 4 ON SHEET 7.
- $\langle 11 \rangle$ CONSTRUCT RAMP PER DETAIL 3 ON SHEET 7.
- CONSTRUCT 5'x7' GROUTED RIP-RAP PAD TO BOTTOM OF RETENTION (9" THICK, D $_{50}$ =6") AS SHOWN. ROCKS TO BE HANDPLACED AND EXPOSED PORTION TO BE FREE OF GROUT.
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CONCRETE CURB



VALLEY GUTTER

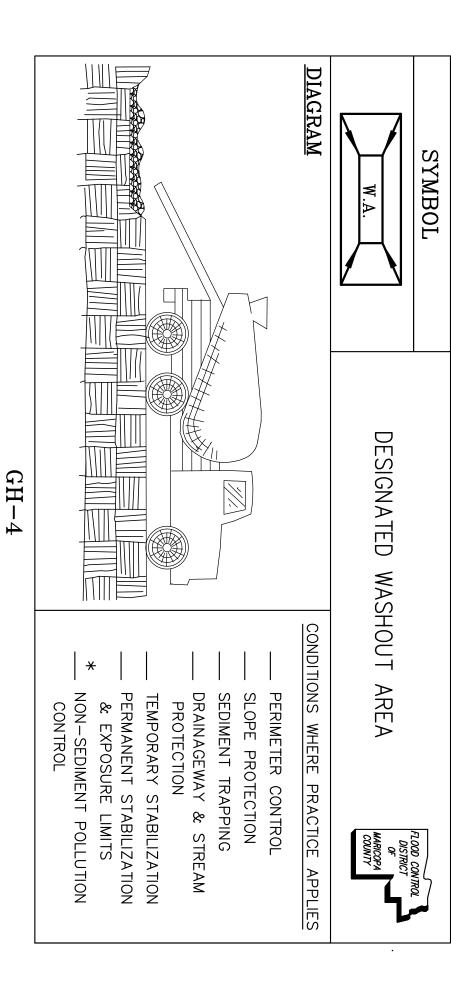


ORM WATER MAN AGEMENT PLAN

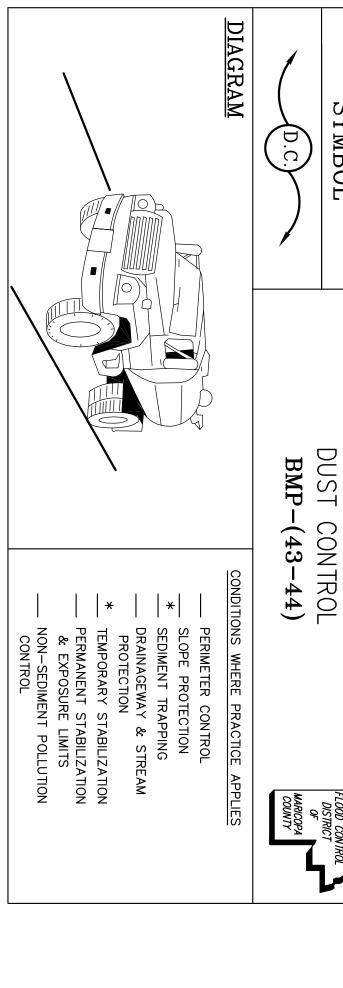
GILBERT, ARIZONA 85295

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(DISTURBED AREA)
1.6 ACRES



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GENERAL NOTES

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DURING CONSTRUCTION DAILY CLEANUP AND M. OF CONSTRUCTION.

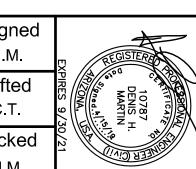
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Arizona Blue Stake, Inc 9

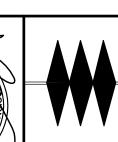
Job No. 40012C Date 4/15/19 Revised

ADJACENT WAYS IMPROVEMENT PLANS

AT CHAPARRAL ELEMENTARY SCHOOL 3380 E. FRYE ROAD GILBERT, ARIZONA 85295

Designed D.H.M. Drafted B.C.T. Checked D.H.M.







MARTIN ENGINEERING & SURVEYING, INC.

1734 E. FRIER DRIVE, PHOENIX ARIZONA, 85020 (602)944-5829

