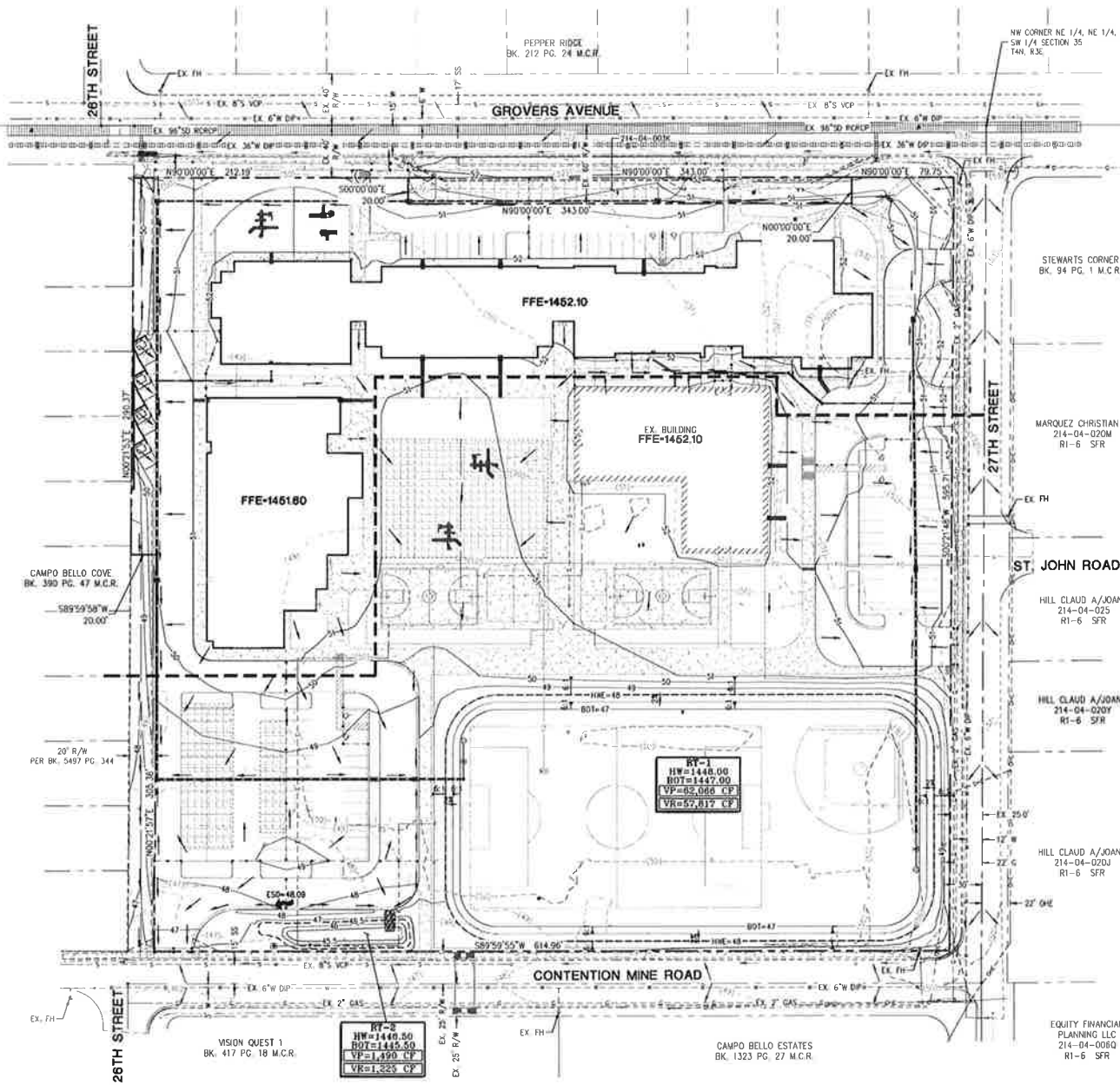
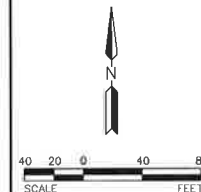




LEGEND

	SECTION LINE
	CENTERLINE
	PROPERTY LINE
	EX. ELECTRIC
	EX. WATER
	EX. SEWER
	EX. GAS
	EX. STORM DRAIN
	PROP. STORM DRAIN
	FFE
	R/W
	RIGHT-OF-WAY
	PHASE LINE



TRACKING NUMBERS:
KIVA# 01-1982
SDEV#
CPDG#
Q.S.# 37-33

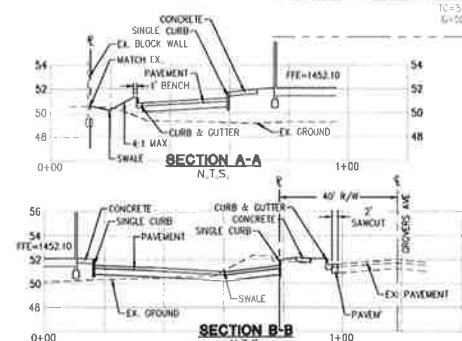
CAMPO BELLO ELEMENTARY SCHOOL
2650 E. CONTENTION MINE ROAD
PHOENIX, ARIZONA

OVERALL GRADING AND DRAINAGE

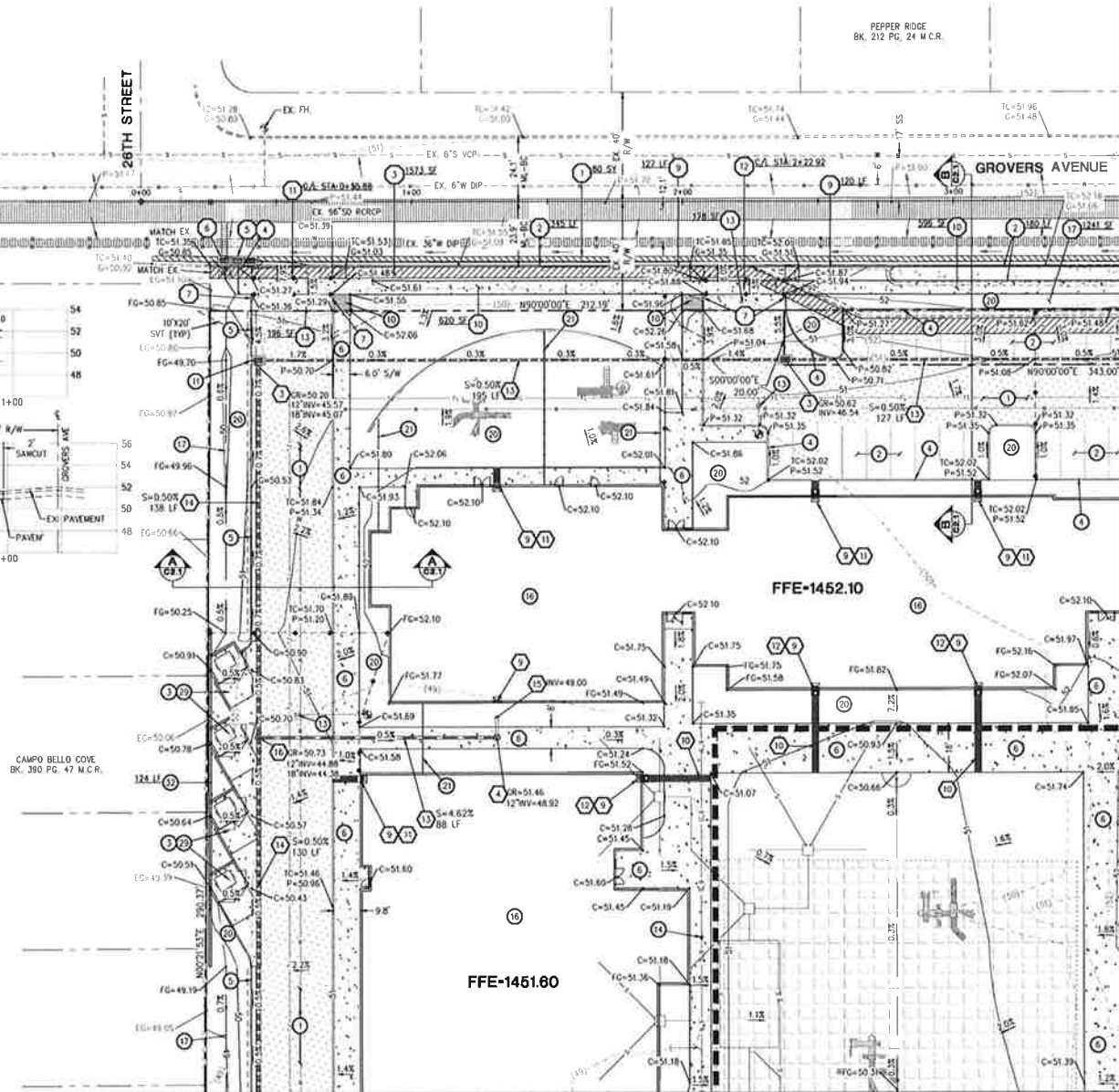
PROJ. NO.	2004	 HILGARTWILSON
DATE:	AUG. 2018	
SCALE	1"=40'	
DESIGNED: DB	DRAWN: DB	APPROVED: LH
REV.		DWG. NO.
		C2.0
		SHT. 4 OF 4

- STORM DRAIN CONSTRUCTION NOTES**
- CONSTRUCT CATCH BASIN PER MAG STD DTL 535 TYPE 1. 2 EA
 - INSTALL HYDRAKAST 15" HOPE DRAIN BASIN WITH 15" PEDESTAL H-10 GRATE. 1 EA
 - ROOF DRAIN - SEE PLUMBING PLANS FOR CONTINUATION. 8 EA
 - INSTALL SIDEWALK SCUPPER WITH DIAMOND PLATING PER MAG STD DTL 503. 3 EA
 - INSTALL SCUPPER PER DETAIL 8 ON SHEET C1.1. 4 EA
 - CONSTRUCT CONCRETE SPLASH PAD WITH RIP RAP PER DETAIL 10 ON SHEET C1.1. 3 EA
 - INSTALL 12" HOPE STORM DRAIN PIPE PER MAG SPEC 730 AND BACKFILL AND COMPACTION PER MAG SPEC 601. 410 LF
 - INSTALL 18" HOPE STORM DRAIN PIPE PER MAG SPEC 730 AND BACKFILL AND COMPACTION PER MAG SPEC 601. 268 LF
 - INSTALL PLUG. SEE PLUMBING PLANS FOR CONTINUATION. PIPE MATERIAL AND PLUG FROM DRAIN BASIN TO BUILDING PER PLUMBING CODE. 1 EA
 - INSTALL HYDRAKAST 24" HOPE DRAIN BASIN WITH 24" STANDARD H-20 ROADWAY GRATE. 1 EA

- CONSTRUCT SIDEWALK PER MAG STD DTL 230 CROSS SLOPES NOT TO EXCEED 2% LONGITUDINAL SLOPES NOT TO EXCEED 5% WITHIN PER PLAN.
- CONSTRUCT SIDEWALK RAMP PER DETAIL 5 ON SHEET C1.1.
- CONSTRUCT CURB OPENING PER DETAIL 6 ON SHEET C1.1.
- ADJUST WATER VALVE FRAME & COVER TO GRADE PER MAG STD DTL 391-1 TYPE C.
- ADJUST SINKER CLEANOUT FRAME & COVER TO GRADE PER MAG STD DTL 441.
- CONTRACTOR TO COMPACT ENTIRE AREA OF BUILDING PER SOILS REPORT.
- CONTRACTOR TO GRADE SWALE PER CONTOURS SHOWN ON PLANS. CONTOURS SHOWN ARE FINAL. GRADES THE CONTRACTOR SHALL MAKE ADJUSTMENTS DURING CONSTRUCTION TO ACCOUNT FOR LANDSCAPING.
- REFER TO LANDSCAPE PLANS FOR DETAILS.
- PROPOSED SITE FENCE, SEE ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR DETAILS.
- CONSTRUCT ADOT SINGLE CURB TYPE A1, H=12".



CAMPO BELLO COVE
BK. 390 PG. 47 M.C.R.

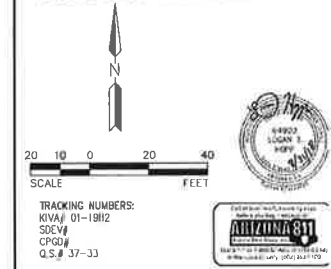
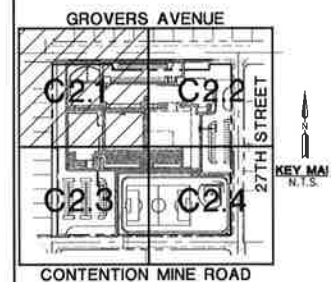


MATCHLINE SEE SHEET C2.3

MATCHLINE SEE SHEET C2.2

- ESTIMATE PAYING CONSTRUCTION NOTES**
- SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT PER MAG SPEC 336 AND C.O.P. DTL. P-200 TYPE 1, OR REPLACE IN KIND, WHICHEVER IS GREATER. 80 SY
 - REMOVE EXISTING CURB. 525 LF
 - SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. 1573 SF
 - REMOVE EXISTING CATCH BASIN. 1 EA
 - INSTALL TRIPLE CATCH BASIN PER C.O.P. STD DTL P150 TYPE 1, FRAME PER C.O.P. STD DTL P154 TYPE 1 AND CRATE PER C.O.P. STD DTL P155 TYPE 1. 1 EA
 - CONNECT TO EXISTING STORM DRAIN PIPE. CONTRACTOR TO VERIFY LOCATION AND INVERT PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. 1 EA
 - CONSTRUCT CURB TERMINATION PER MAG STD DTL 222. 3 EA
 - CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 220-1 TYPE A. 247 LF
 - CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD DTL P1230. 1216 SF
 - CONSTRUCT 30" DRIVEWAY PER C.O.P. STD DTL P1255-1. 1 EA
 - CONSTRUCT 30" DRIVEWAY PER C.O.P. STD DTL P1255-2. 1 EA
 - CONSTRUCT 8" THICK CONCRETE PER MAG SPEC 324, 340 AND 725, CLASS AA, AND SUBGRADE PREP PER MAG SPEC 301. 374 SF
 - REMOVE EXISTING PAVEMENT. 1241 SY

- GRADING & DRAINAGE CONSTRUCTION NOTES**
- INSTALL 3" AC OVER 8" ABC. SEE DETAIL 1 & ON SHEET C1.1 (HEAVY).
 - INSTALL 7" AC OVER 6" ABC. SEE DETAIL 1 & ON SHEET C1.1 (LIGHT).
 - CONSTRUCT 7" THICK CONCRETE PER DETAIL 11 ON SHEET C1.1, MAG SPEC 324, 340 AND 725, CLASS AA, SUBGRADE PREP PER MAG SPEC 301.
 - CONSTRUCT SINGLE CURB PER MAG STD DTL 222 TYPE 1'.
 - CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 220-1 TYPE A.



CAMPO BELLO ELEMENTARY SCHOOL
2650 E. CONTENTION MINE ROAD
PHOENIX, ARIZONA

GRADING AND DRAINAGE PLAN WITH OFFSITE IMPROVEMENTS

PROJ. NO. 2004
DATE: AUG. 2018
SCALE: 1"=20'

DESIGNED BY: DB
DRAWN BY: DB
APPROVED BY: LH

REV. _____

DWG. NO. **C2.1**
SHEET 5 OF 7

MATCHLINE SEE SHEET C2.1



GRADING & DRAINAGE CONSTRUCTION NOTES

- STORM DRAIN CONSTRUCTION NOTES

- | | |
|-----|----|
| 2 | EA |
| 2 | EA |
| 1 | EA |
| 7 | EA |
| 4 | EA |
| 1 | EA |
| 4 | EA |
| 324 | LF |
| 112 | LF |
| 1 | EA |
| 1 | EA |
| 1 | EA |
| 3 | EA |

1	SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT PER MAG SPEC 33B AND C.O.P. DT. 1-2002 TYPE 1, IN PLACE IN KIND, WHICHEVER IS GREATER	52	SY
2	REMOVE EXISTING CURB	458	LF
3	SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT	172	SF
4	CONSTRUCT CURB TERMINATION PER MAG STD. DT. 222	5	EA
5	CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD. DT. 120-1 TYPE "A"	231	LF
6	CONSTRUCT SIDEWALK PER C.O.P. STD. DT. P1230	843	SF
7	CONSTRUCT 30" DRIVEWAY PER C.O.P. SIO DT. 225-1	1	EA
8	CONSTRUCT 8" THICK CONCRETE PER MAG SPEC 324, S40 AND 725, CLASS AA, AND SUBGRADE PREP PER MAG SPEC 301	179	SF
9	CAUTION EXISTING GAS LINE. CONTRACTOR TO VERIFY EXISTING GAS LOCATION AND ELEVATION PRIOR TO TRENCHING IN THIS AREA.	2	EA
10	REMOVE EXISTING PAVEMENT	222	SY

- 1 INSTALL 1" AC OVER 6" ABC SEE DETAIL 1 & ON SHEET C.I.1 (HEAVY)
- 2 INSTALL 7" AC OVER 6" ABC SEE DETAIL 1 & ON SHEET C.I.1 (LIGHT)
- 3 CONSTRUCT SINGLE CURB PER MAG STD DTL 222 TYPE "B"
- 4 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL 222 TYPE "A"
- 5 CONSTRUCT SIDEWALK PER MAG STD DTL 230 (CROSS SLOPES NOT TO EXCEED 2% LONGITUDINAL SLOPE NOT TO EXCEED 5% WITHIN PER PLAN)
- 6 ADJ. AREA, SLOPES NOT TO EXCEED 2% IN ANY DIRECTION.
- 7 CONSTRUCT SIDEWALK RAMP PER DETAIL 3 ON SHEET C.I.1.
- 8 CONSTRUCT SIDEWALK RAMP PER DETAIL 4 ON SHEET C.I.1.
- 9 CONSTRUCT CURBS OVERHANG PER DETAIL 6 ON SHEET C.I.1.
- 10 CONSTRUCT GROUNDING CHANNEL PER DETAIL 7 ON SHEET C.I.1.



TRACKING NUMBERS:
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CPCD#
Q.S.# 37-33

CAMPO BELLO ELEMENTARY SCHOOL
2650 E. CONTENTION MINE ROAD
PHOENIX, ARIZONA

GRADING AND DRAINAGE PLAN WITH OFFSITE IMPROVEMENTS

PROJ. NO.	2004	 HILGARTWILSON	
DATE:	AUG. 2018		
SCALE:	1" = 20'		
DESIGNED BY	DRAWN BY		APPROVED BY
REV.			DWG. NO.
			C2.2

C2.2

541.6 OF

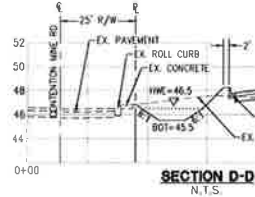
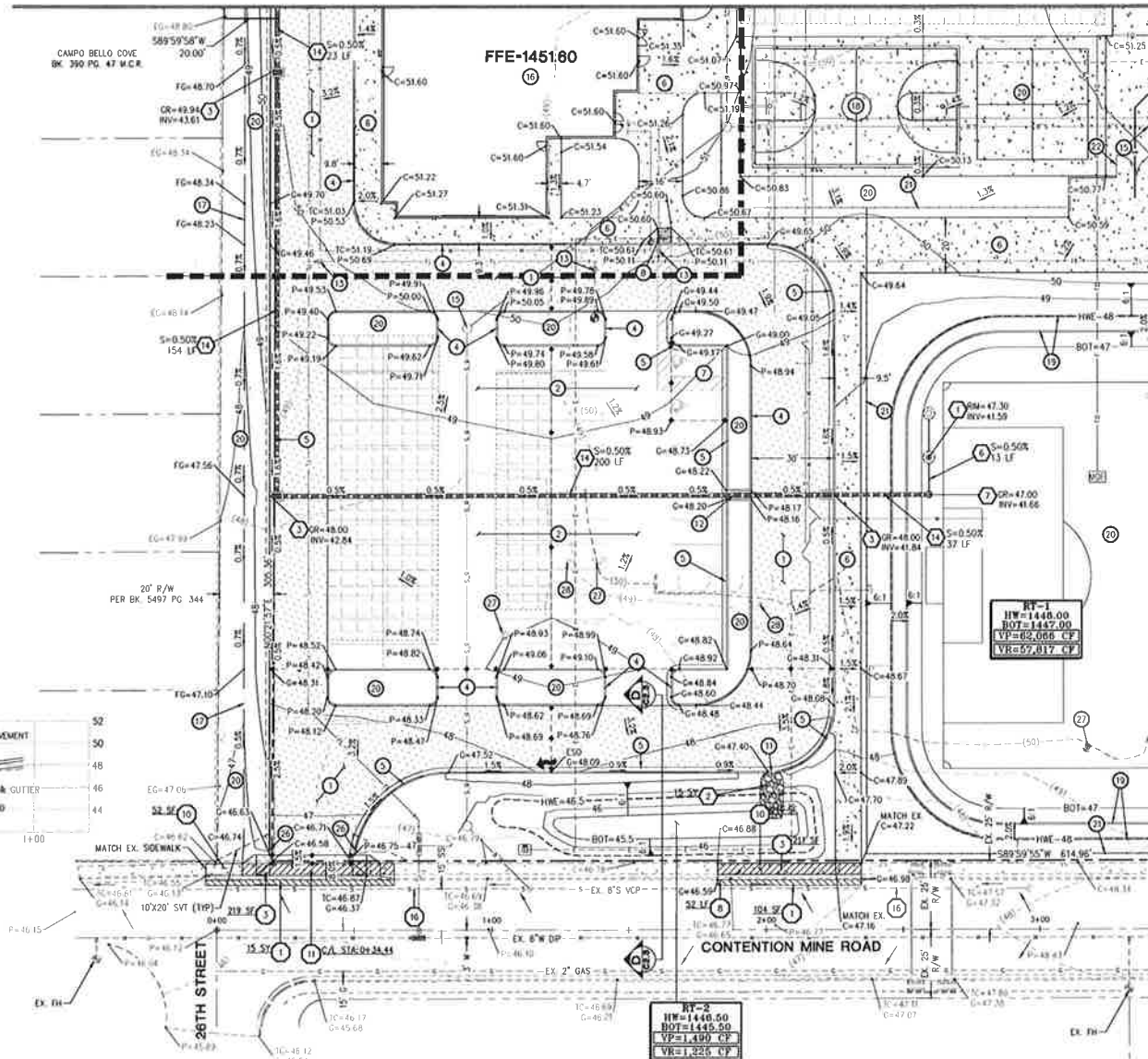
MATCHLINE SEE SHEET C2.1

GRADING & DRAINAGE CONSTRUCTION NOTES

- 19 CONCRETE HEADER, SEE LANDSCAPE PLANS FOR DETAILS.
- 20 REFER TO LANDSCAPE PLANS FOR DETAILS.
- 21 PROPOSED SITE FENCE, SEE ARCHITECTURAL PLANS FOR DETAILS.
- 22 PROPOSED GATE, SEE ARCHITECTURAL PLANS FOR DETAILS.
- 23 CONSTRUCT CURB TERMINATION PER MAG STD. DTL. 222.
- 24 CONTRACTOR TO COORDINATE RELOCATION OF EXISTING UTILITY WITH UTILITY COMPANY.
- 25 REMOVE EXISTING LIGHT POLE.

STORM DRAIN CONSTRUCTION NOTES

- 1 CONSTRUCT MAXWELL PLUS DRYWELL OR EQUIVALENT PER DETAIL ON SHEET C1.1. CONTRACTOR TO PROVIDE TEST RESULTS OF FIRST DRYWELL PRIOR TO CONSTRUCTION OF REMAINING DRYWELLS. 1 EA
- 2 INSTALL GROUTED RIP-RAP 550-8" - 12" THICK PER MAG SPEC 220. SEE DETAIL 8 ON SHEET C1.1. 15 SY
- 3 CONSTRUCT CATCH BASIN PER MAG STD DTL. 535 TYPE "F". 3 EA
- 4 INSTALL 4" HDPE STORM DRAIN PIPE PER MAG SPEC 338 AND BACKFILL AND COMPACTION PER MAG SPEC 601. 13 LF
- 5 CONSTRUCT BUBBLER BOX PER DETAIL 2 ON SHEET C1.1. 1 EA
- 6 INSTALL 18" HDPE STORM DRAIN PIPE PER MAG SPEC 338 AND BACKFILL AND COMPACTION PER MAG SPEC 601. 414 LF

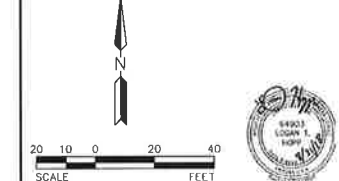
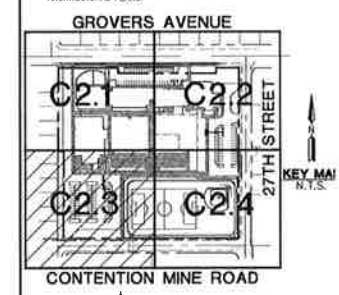


OFFSITE PAVING CONSTRUCTION NOTES

- 1 SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT PER MAG SPEC 338 AND C.O.P. DTL. P-1200 TYPE B, OR REPLACE IN KIND, WHICHEVER IS OLDER. 119 SY
- 2 SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. 430 SF
- 3 CONSTRUCT 4" ROLL CURB AND GUTTER PER MAG STD DTL. 220-1 TYPE "C". 52 LF
- 4 CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD DTL. P1230. 263 SF
- 5 CONSTRUCT 30' DRIVEWAY PER C.O.P. STD DTL. P1255-1. 1 EA
- 6 CAUTION: EXISTING UNDERGROUND UTILITY, CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. 2 EA

GRADING & DRAINAGE CONSTRUCTION NOTES

- 1 INSTALL 1" AC OVER 6" ABC. SEE DETAIL 1 & ON SHEET C1.1 (HEAVY).
- 2 INSTALL 2" AC OVER 6" ABC. SEE DETAIL 1 & ON SHEET C1.1 (LIGHT).
- 3 CONSTRUCT SINGLE CURB PER MAG STD DTL. 222 TYPE "W".
- 4 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL. 220-1 TYPE "A".
- 5 CONSTRUCT SIDEWALK PER MAG STD DTL. 238. CROSS SLOPES NOT TO EXCEED 2% LONGITUDINAL SLOPES NOT TO EXCEED 5% WITH PER PLAN.
- 6 ADA AREA SLOPES NOT TO EXCEED 2% IN ANY DIRECTION.
- 7 CONSTRUCT SIDEWALK RAMP PER DETAIL 3 ON SHEET C1.1.
- 8 CONSTRUCT CURB OPENING PER DETAIL 6 ON SHEET C1.1.
- 9 CONSTRUCT CONCRETE CHANNEL PER DETAIL 7 ON SHEET C1.1.
- 10 ADJUST WATER VALVE FRAME & COVER TO GRADE PER MAG STD DTL. 391-1 TYPE "C".
- 11 ADJUST SEWER MANHOLE FRAME & COVER TO GRADE PER MAG STD DTL. 422.
- 12 CONTRACTOR TO COMPACT ENTIRE AREA OF BUILDING PER SOI'S REPORT.
- 13 CONTRACTOR TO GRADE SWALE PER CONTOURS SHOWN ON PLANS. CONTOURS SHOWN ARE FINAL GRADIS. THE CONTRACTOR SHALL MAKE ADJUSTMENTS DURING CONSTRUCTION TO ACCOUNT FOR LANDSCAPING.
- 14 CONSTRUCT NEW BASKETBALL COURT AREA PER ARCHITECTURAL PLANS.



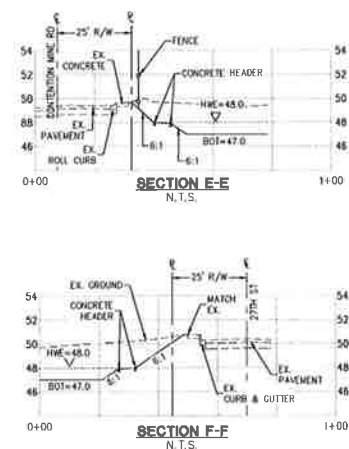
TRACKING NUMBERS:
KIVA# 01-1982
SDE#
CP#03
0.5# 37-33

CAMPO BELLO ELEMENTARY SCHOOL
2650 E. CONTENTION MINE ROAD
PHOENIX, ARIZONA

GRADING AND DRAINAGE PLAN WITH OFFSITE IMPROVEMENTS

PROJ. NO.	2004	 HILGARTWILSON			
DATE:	AUG. 2018				
SCALE:	1"=20'				
DESIGNED:	DB	DRAWN:	DB	APPROVED:	LH
REV.					

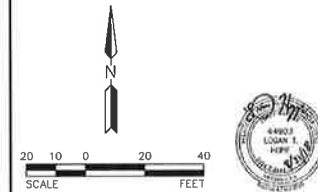
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OFF-SETTING PAIVING CONSTRUCTION NOTES:

- 1 SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT PER C.M.A.A. SPEC. 3.16, P. 1-2520 TYPE B, OR REPLACE IN KIND WHEREVER IS GREATER.
- 2 SAWCUT AND REMOVE EXISTING CONC. TO NEAREST JOINT.
- 3 CONSTRUCT CURB TERMINATION PER STD DTL 222.
- 4 CONSTRUCT 6" VERTICAL CURB & GUTTER PER STD DTL 220-1 TYPE "A".
- 5 CONSTRUCT CONCRETE SIDEWALK PER STD DTL P1230.
- 6 CONSTRUCT 30' DRIVEWAY PER C.O.P. P1250-1.
- 7 CAUTION! EXISTING GAS LINE CONTRA TO BE EXPOSED PRIOR TO TRENCHING IN THIS AREA.
- 8 CAUTION! EXISTING UNDERGROUND UTILITY TO BE EXPOSED PRIOR TO TRENCHING IN THIS AREA.

- 1 GRADING & LANDSCAPE CONSTRUCTION NOTES.
- 2 1. INSTALL 3" AC OVER 8" ABC. SEE DETAIL 1 & ON
- 3 SHEET C.L.I. (DECK).
- 4 2. INSTALL 3" AC OVER 6" ABC. SEE DETAIL 1 & ON
- 5 SHEET C.L.I. (LIGHT).
- 6 3. CONSTRUCT SINGLE CURB PER MAG STD DTL 222 TYPE 'B'.
- 7 4. CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DTL
- 8 220-1 TYPE 'A'.
- 9 5. CONSTRUCT SIDEWALK PER MAG STD DTL 230.
- 10 CROSS SLOPE NOT TO EXCEED 3% WITH PER PLAN.
- 11 6. CONSTRUCT SIDEWALK RAMP PER DETAIL 5 ON SHEET C.L.I.
- 12 7. CONSTRUCT CONCRET CHANNEL PER DETAIL 7 ON SHEET C.L.I.
- 13 8. ADJUST WATER VALVE FRAME & COVER TO GRADE PER MAG
- 14 STD DTL 391-1.
- 15 9. CONTRACTOR TO GRADE SLOPE PER CONTOURS SHOWN
- 16 ON PLANS. CONTOURS SHOWN ARE FINAL GRADES. THE
- 17 CONTRACTOR SHALL MAKE ADJUSTMENTS DURING
- 18 CONSTRUCTION TO ACCOUNT FOR LANDSCAPING.
- 19 10. CONSTRUCT NEW BASKETBALL COURT AREA PER
- 20 ARCHITECTURAL PLANS.
- 21 11. CONCRETE HEADER. SEE LANDSCAPE PLANS FOR DETAILS.



TRACKING NUMBERS:
KIVA# 01-1962
SDEV#
CPGD#
Q S# 37-33

CAMPO BELLO ELEMENTARY SCHOOL
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GRADING AND DRAINAGE PLAN WITH OFFSITE IMPROVEMENTS

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REV.				DWG. NO.	

C2.4

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