

Tempe Elementary School District

Nevitt School Rebuild

**Adjacent Ways Estimate
Contract Number: 17-29-01**

April 12, 2018



4/12/2018

Nevitt Elementary School

4525 E Saint Anne Ave

Phoenix, AZ 85042

Contract Number : 17-29-01

Item	Description Of Work	Adjacent Ways - ONSITE	Adjacent Ways - OFFSITE	Total Adjacent Ways
DIVISION 01 - GENERAL REQUIREMENTS				
1	General Requirements	\$20,707	\$6,902	\$27,609
2	Layout & Surveying	\$7,000	\$0	\$7,000
Division 02 - SITE CONSTRUCTION				
3	Earthwork & Paving	\$146,224	\$8,776	\$155,000
4	Pavement Markings	\$12,840	\$0	\$12,840
5	Site Utilities	\$8,775	\$122,890	\$131,665
DIVISION 03 - CONCRETE				
6	Concrete	\$47,807	\$31,194	\$79,000
7	Subtotal	\$243,354	\$169,762	\$413,115
8	Material Testing/Special Inspection	\$4,160	\$0	\$4,160
9	General Liability Insurance	\$2,972	\$1,987	\$4,960
10	Builders Risk Insurance	\$892	\$596	\$1,488
11	Performance & Payment Bond	\$6,745	\$0	\$0
12	Contingency - Construction	\$8,517	\$5,942	\$14,459
13	Contractors Fee	\$14,862	\$9,937	\$24,799
14	Subtotal	\$281,502	\$188,224	\$462,981
15	Sales Taxes	\$15,736	\$10,522	\$26,258
16	TOTAL	\$297,238	\$198,746	\$495,984



4/12/2018

Nevitt Elementary School

4525 E Saint Anne Ave

Phoenix, AZ 85042

Contract Number : 17-29-01

ONSITE ADJACENT WAYS

Item	Description Of Work	Total Quantity	Unit	Total Cost	Division Sum
DIVISION 01 - GENERAL REQUIREMENTS					
1	General Requirements	1	LS	\$20,707	
2	Layout & Surveying	1	LS	\$7,000	
3	Total General Requirement & Survey				\$27,707
Division 02 - SITE CONSTRUCTION					
4	Earthwork & Paving				
5	Sidewalk Demolition	17,541	SF	\$21,401	
6	Clear & Grub	105,997	SF	\$10,600	
7	Fine grade subgrade for Asphalt Paving	5,380	SY	\$10,760	
8	Import & place fill	1,937	CY	\$6,779	
9	Pave 3" AC on 8 ABC	5,380	SY	\$93,186	
10	Water Cost	1	LS	\$3,500	
11	Total Earthwork & Paving				\$146,226
12	Pavement Markings				
13	Fire lane signs & post	35	EA	\$6,300	
14	Fire Lane marking	3,951	LF	\$3,435	
15	Arrow paint	14	EA	\$1,260	
16	Stop Sign	1	EA	\$175	
17	DO NOT ENTER Sign	1	EA	\$200	
18	Speed Humps	6	EA	\$570	
19	Cross walks paint	3	EA	\$900	
20	Total Pavement Markings				\$12,840
21	Site Utilities				
22	6" Sewer	135	LF	\$8,775	
23	Total Site Utilities				\$8,775
DIVISION 03 - CONCRETE					
24	Concrete				
25	Onsite sidewalk	2,604	SF	\$9,114	
26	Onsite Curb & Gutter	1,455	LF	\$18,915	
27	Onsite Vertical Curb	1,758	LF	\$19,778	
28	Total Concrete				\$47,807
29	Subtotal				\$243,354



4/12/2018

Nevitt Elementary School

4525 E Saint Anne Ave

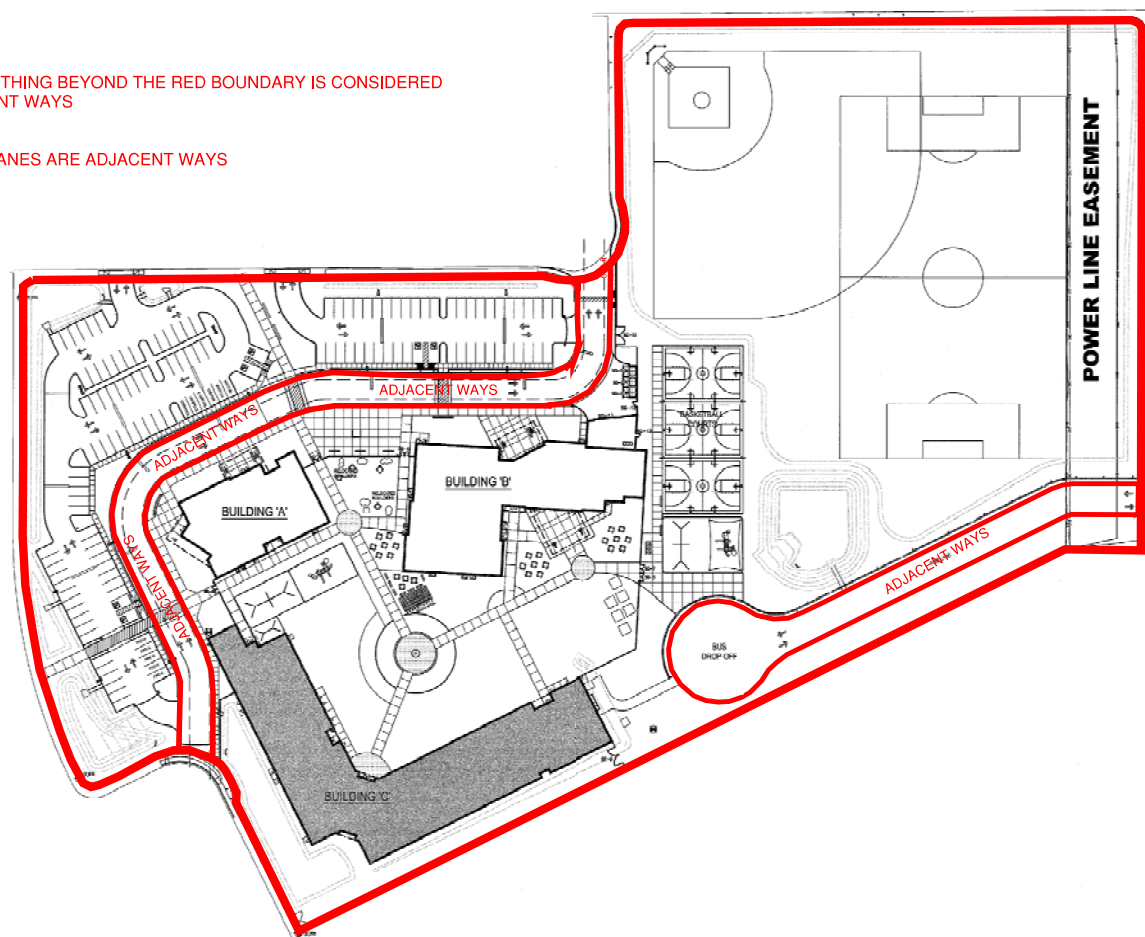
Phoenix, AZ 85042

Contract Number : 17-29-01

OFFSITE ADJACENT WAYS

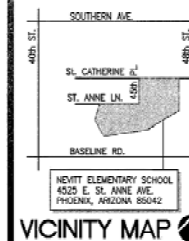
Item	Description Of Work	Total Quantity	Unit	Total Cost	Division Sum
DIVISION 01 - GENERAL REQUIREMENTS					
1	General Requirements	1	LS	\$6,902	
2	Total General Requirement & Survey				\$6,902
Division 02 - SITE CONSTRUCTION					
3	Earthwork & Paving				
4	Sidewalk Demolition	800	SF	\$919	
5	Sawcut & remove AC & curb at drive entrance	1	LS	\$4,200	
6	Asphalt Patch @ Drive Entrance	3	EA	\$3,657	
7	Total Earthwork & Paving				\$8,776
8	Site Utilities				
9	6" Sewer	194	LF	\$12,610	
10	Sew Tie into existing Main	3	LS	\$4,500	
11	2" Water	145	LF	\$5,000	
12	8" PC 350 DIP & fittings	147	LF	\$11,025	
13	6" PC 350 DIP	232	LF	\$17,315	
14	8" x 8" Tapping Sleeve & Valve	1	EA	\$6,500	
15	6" x 6" Tapping Sleeve & Valve	2	EA	\$11,000	
16	City of Phoenix Road Pavement Cut	1	LS	\$25,000	
17	Pavement Replacement	1	LS	\$16,800	
18	Concrete Replacement	1	LS	\$13,140	
19	Total Site Utilities				\$122,890
DIVISION 03 - CONCRETE					
20	Concrete				
21	City Of Phoenix Offsite Sidewalk	884	SF	\$3,536	
22	Off Site Curb & Gutter	339	LF	\$20,258	
23	Off Site Driveway per City of Phoenix	1,447	SF	\$5,788	
24	Off Site Vertical Curb	124	LF	\$1,612	
28	Total Concrete				\$31,194
29	Subtotal				\$169,762

****FIRE LANES ARE ADJACENT WAYS**



1 OVERALL SITE PLAN

SCALE: 1" = 50'-0"



Sheet No. _____

A100c



HDA ARCHITECTS
459 N. Gilbert Road, Suite 100
TEL: (450) 539 8900

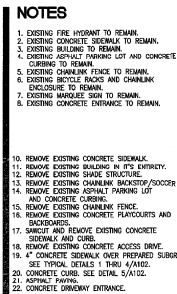
HDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-200, GILBERT, AZ 85224
TEL: (480) 539 8800 FAX: (480) 539 8808

CTS, LLC,
O. GILBERT, AZ 85234
FAX: (480) 539 8608

PERMIT
SET

Job No. 1709
Drawn A/D
Checked (AM)
Date 02-15-18
Reviewed
ADDENDUM NO. 01
01-18-18

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 8
4625 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No.	1709
Drawn	AJD
Checked	DAM
Date	11-13-17
Revised	

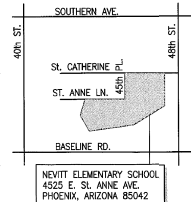
PERMIT
SET

HDA ARCHITECTS, LLC.
439 N. Gilbert Road, Suite C-200, GILBERT, AZ 85224
TEL: (480) 539 5800 FAX: (480) 539 8608



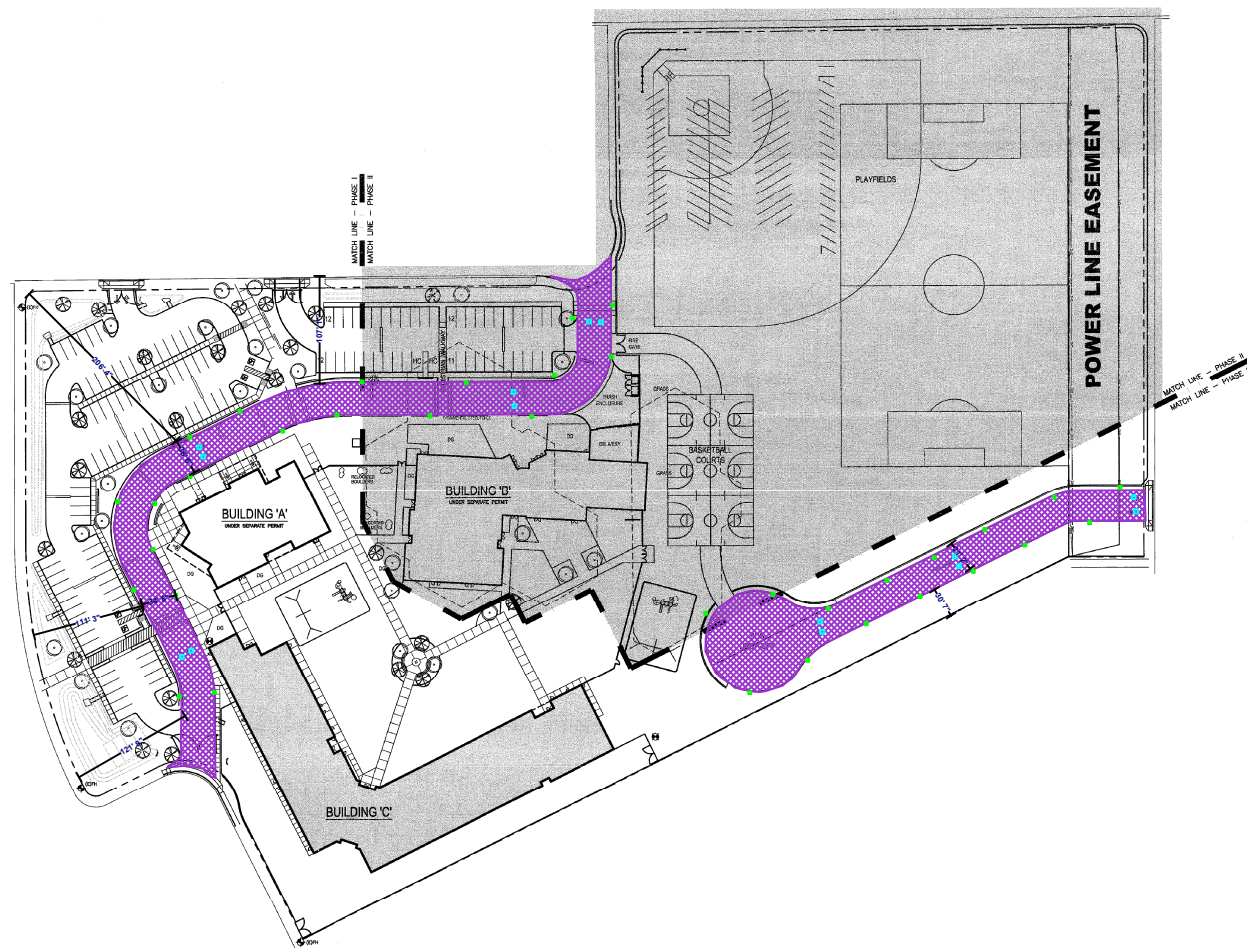
Sheet No.

A101

VICINITY MAP

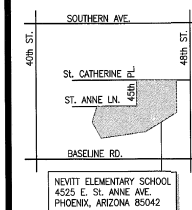
- 24 - Pave 3" AC on 8" ABC - 48,421 SF
- 25 - Arrow paint - 14 EA
- 26 - Fire Lane Signs - 35 EA

NOTES



1 OVERALL SITE PLAN

SCALE: 1" = 80'-0"



VICINITY MAP

NOTES

HDA ARCHITECTS, L.L.C.
 189 N. Gilbert Road, Suite C-900, GILBERT, AZ 85294
 TEL: (480) 539 8800 FAX: (480) 539 8608

OVERALL SITE PLAN

PERMIT SET

Job No. 1709
Drawn AJO
Checked DM
Date 11-13-17
Revised

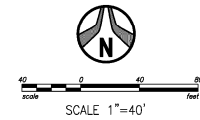
**ADDITIONS AND RENOVATIONS TO
 NEVITT ELEMENTARY SCHOOL
 TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
 4525 E. ST. ANNE AVE.
 PHOENIX, AZ 85042**

- 27 - 6" Sewer - 329 LF
- 28 - 8" PC 350 DIP - 147 LF
- 29 - 6" PC 350 DIP - 126 LF
- 30 - 2" Water - 145 LF

NEVITT ELEMENTARY SCHOOL

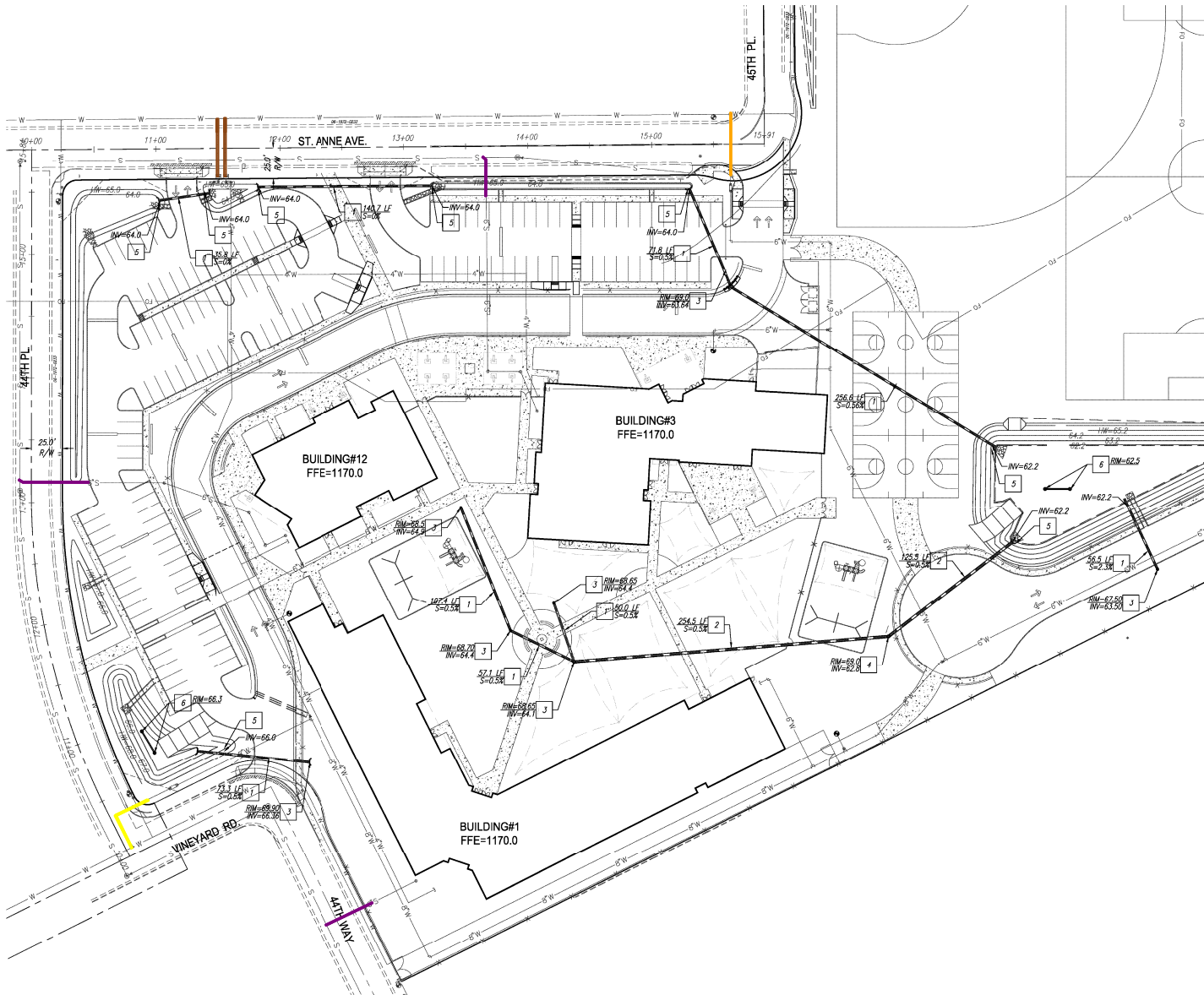
PHOENIX, AZ. 85042

STORM DRAIN PLAN



STORM DRAIN NOTES:

1. INSTALL 18" HDPE STORM DRAIN PIPE, LENGTH AND SLOPE PER PLAN.
2. INSTALL 24" HDPE STORM DRAIN PIPE, LENGTH AND SLOPE PER PLAN.
3. INSTALL 18" NYLON/PLAST POLYPROPYLENE STORM DRAIN PIPE AND 24" STANDARD GRATE ASSEMBLY.
4. PROVIDE 48" CMP ACCESS MANHOLE PORT WITH 24" GRATE COVER AS SHOWN ON PLANS.
5. CONSTRUCT HEADWALL PER M.A.G. STD. DT. 501-1 TYPE "U".
6. INSTALL MAXWELL PLUS DUAL DRYWELL OR EQUIVALENT PER DETAIL DD ON SHEET DT-3.



ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No. 17029
Drawn DL
Checked MGL
Date 11/18/17
Revised

FOR
CONSTRUCTION

HDA ARCHITECTS, LLC
450 N. Gilbert Road, Suite C-200, Gilbert, AZ 85234
TEL (480) 539 8800 FAX (480) 539 8608
STORM DRAIN PLAN

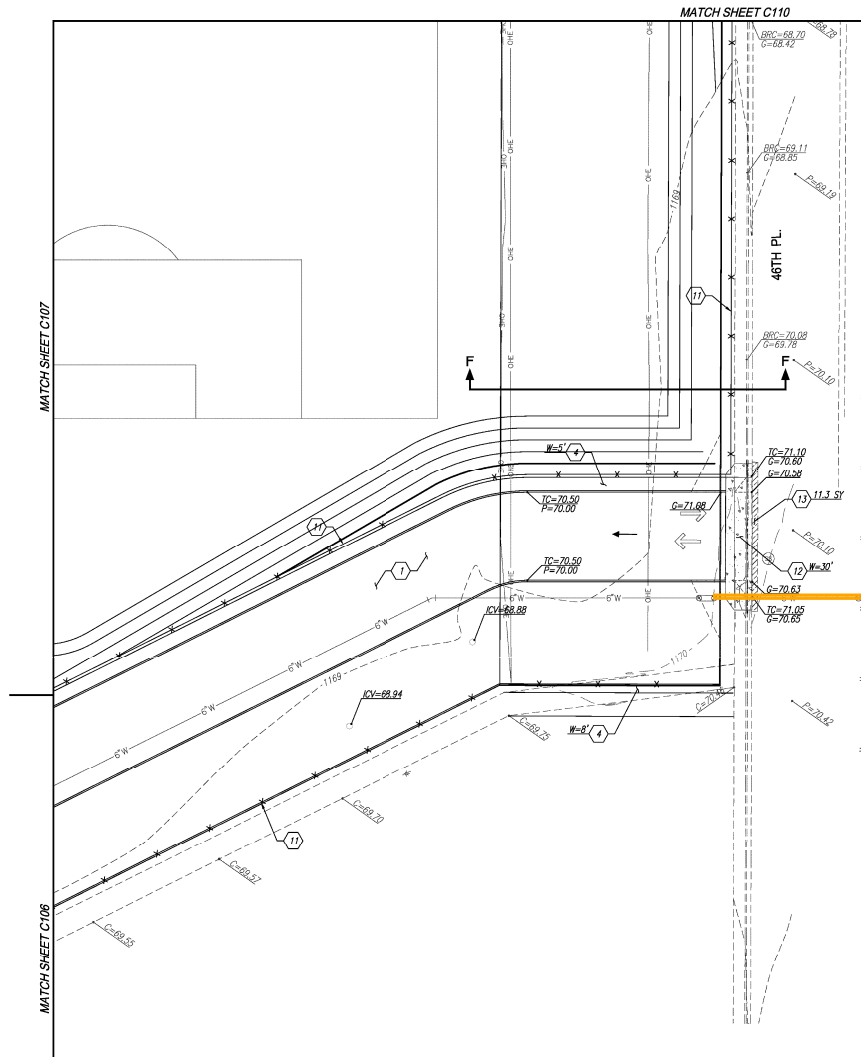
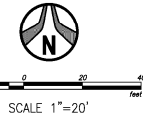


Project No. 17129	Date 12/14/2017	Sheet No. C111
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	
 HUBBARD ENGINEERING www.hubbardengineering.com 1201 S. Alma School Rd., Box 12000 - Mesa, AZ 85210 PH: 480.892.3313		

Sheet No.
C111

PAPP#1705053 KIVA#17-3110

NEVITT ELEMENTARY SCHOOL
PHOENIX, AZ. 85042
GRADING PLAN



GRADING NOTES:

- 1) CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 8" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
- 2) CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
- 3) INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE "X", WITH WAKES REFER TO DETAIL 200.
- 4) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1230.
- 5) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
- 6) CONSTRUCT 3" CURB OPENING WITH DETAIL 1 ON SHEET C102.
- 7) CONSTRUCT 3" CURB OPENING WITH CONSTRUCT SIDEWALK SCOPPER PER M.A.G. STD. DETAIL 206.
- 8) PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
- 9) CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS, 28' IN ALL DIRECTIONS.
- 10) PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
- 11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
- 12) INSTALL/REMOVE ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-125-1-2.
- 13) SAWCUT AND REMOVE AC PAVEMENT, PAVEMENT REINFORCEMENT, THICKNESS AND CURB SHALL BE PER M.A.G. AND CITY OF PHOENIX SURVEYMENT SECTION 336 AND CITY OF PHOENIX DETAIL PAVEMENT. DETAIL PAVEMENT REPLACEMENT SHALL BE A MINIMUM OF (1) FULL STREET PER M.A.G. STANDARD DETAIL 220, SIDEWALK REPLACEMENT SHALL BE PER M.A.G. STANDARD DETAIL 220, FURNISH PANEL PER (1) CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CONSULT INSPECTOR, TUNNELING UNDER CURBS AND CURBS SHALL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK SHALL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
- 14) REMOVE EXISTING CURB AND GUTTER.
- 15) INSTALL RIP-RAP D = 8", DEPTH 18" PER M.A.G. SPEC. SECTION 220 OVER GEOTEXTIL FABRIC PER M.A.G. SPEC. SECTION 706.
- 16) INSTALL (2.5' OPENING) SCOPPER PER M.A.G. STD. DETAIL 203.
- 17) INSTALL HOPE STORM DRAIN PIPE PER SHEET C111.
- 18) INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1.
- 19) INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE "1".
- 20) INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
- 21) INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
- 22) INSTALL DRAIN BASIN PER C.O.P. P150 (N).
- 23) INSTALL MANHOLE PLUS DRYWELL PER DETAIL SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS, INVERT SHOWN ON PLAN IS 0.17 ABOVE TOP OF RETENTION BASIN.
- 24) PLAY FIELDS MUST BE FIRM GRADED, NO LARGE RIVER ROCKS OR Boulders.
- 25) DEPRESS AREA 6" MIN. UNLO.

SEE ARCHITECTS PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.



Project No. 17129	Date 12/14/2017	Sheet No. C109
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	



**HUBBARD
ENGINEERING**

www.hubbardengineering.com
 1201 S. Arns School Rd., Ste. 1000 • Mesa, AZ 85201
 PH: 480.892.3313

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No.	1709
Drawn	DL
Checked	MSW
Date	11/18/17
Revised	

~~DRAFT~~
CONSTRUCTION

CHDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-200, GILBERT, AZ 85234
TEL: (480) 539 8800 FAX: (480) 539 8608

GRADING PLAN

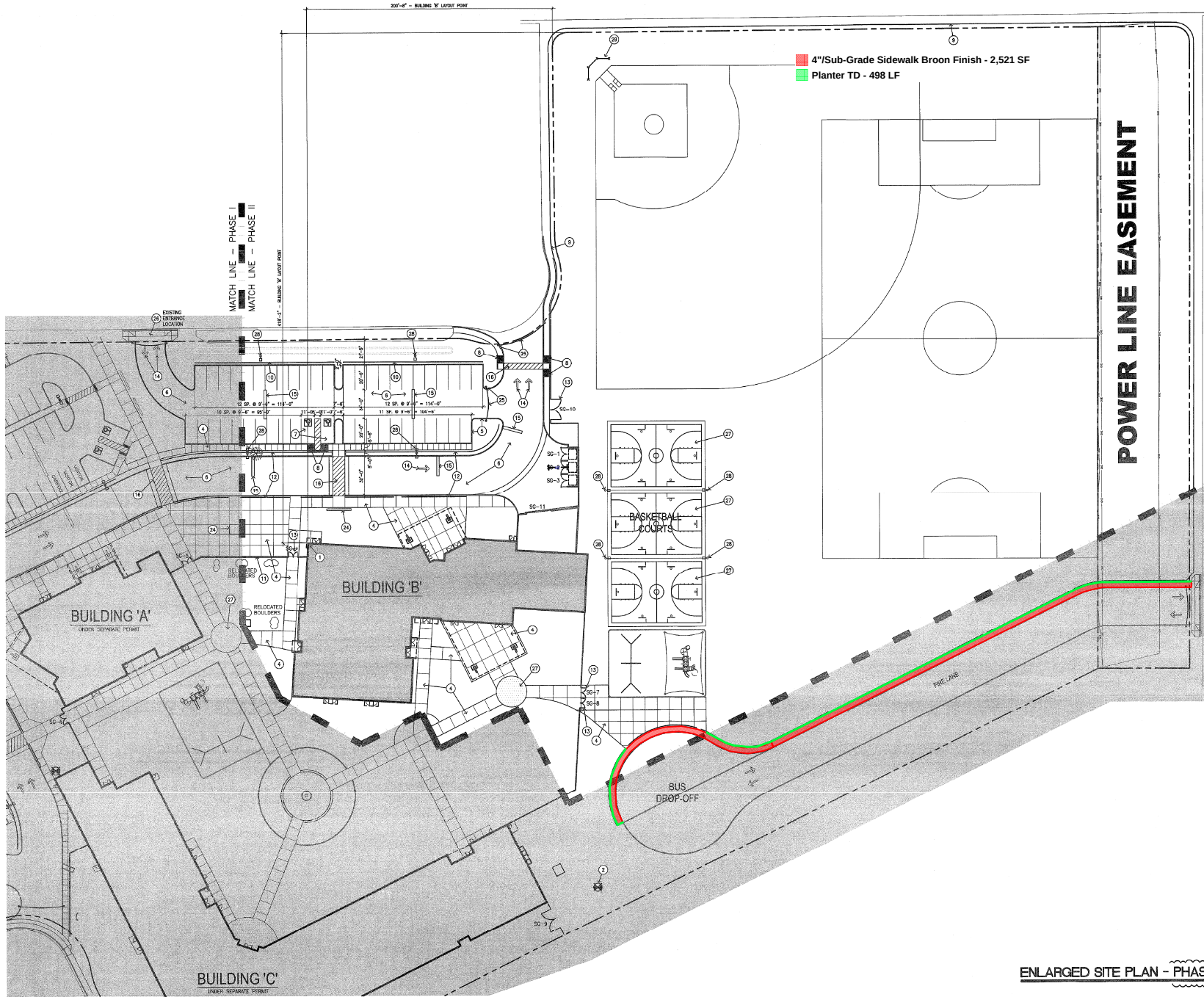


HIDA
HIDA ARCHITECTS, LLC.

Sheet No.
C109

APP#1705053 KIVA#17-3110

Plot Date: 1-15-18 03:12pm Drawing scale: 1" = 30'-0"



SITE PLAN NOTES

1. BUILDING LAYOUT POINT.
2. NEW FIRE HYDRANT.
3. HAZARDOUS PROPERTY LINE.
4. 4" CONCRETE SIDEWALK OVER PREPARED SUBGRADE. SEE TYPICAL DETAILS 1 THRU 4/A102.
5. CONCRETE CURB. SEE DETAIL 5/A102.
6. ASPHALT PAVING.
7. ACCESSIBLE PARKING STALL. SEE 6/A102.
8. ACCESSIBLE RAMP.
9. 4" CHAIN-LINK FENCE.
10. 2" CHAIN-LINK FENCE.
11. 4" CHAIN-LINK FENCE.
12. 4" CHAIN-LINK FENCE.
13. GATE.
14. PAINTED TRAFFIC DIRECTION ARROWS.
15. ASPHALT SPEED BUMP. PAINTED.
16. PEDESTRIAN WALK-WAY.
17. CONCRETE SPILLWAY AND SIP. SIP.
18. TEMPORARY ASPHALT PAVING AND CONCRETE CURB.
19. 20'-0" PRECAST.
20. RETENTION AREA.
21. NOT USED.
22. LANDSCAPE AREA.
23. CONCRETE SIDEWALK.
24. BENCH.
25. FIRE HOULDER AND CHAIN W/ FIRE DEPARTMENT PADLOCK.
26. CONCRETE DRIVEWAY ENTRANCE.
27. PAVING. SEE CIVIL DRAWING.
28. CONCRETE SIDEWALK. SEE ELECTRICAL DRAWINGS.
29. 10'-0" CHAIN-LINK BOLLARD.

HDA ARCHITECTS, LLC.
489 N. Gilbert Road, Suite C-200, GILBERT, AZ 85234
TEL: (480) 559 8800 FAX: (480) 559 8805

ADDITIONS AND RENOVATIONS TO NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4825 E. ST. ANNE AVE.
PHOENIX, AZ 85042

Job No. 1708
Drawn: AG
Checked: DAM
Date: 01-16-18
Revised: GOODMAN NO. 01
01-16-18

PRICING SET

ENLARGED SITE PLAN AND DETAILS

Sheet No. A104

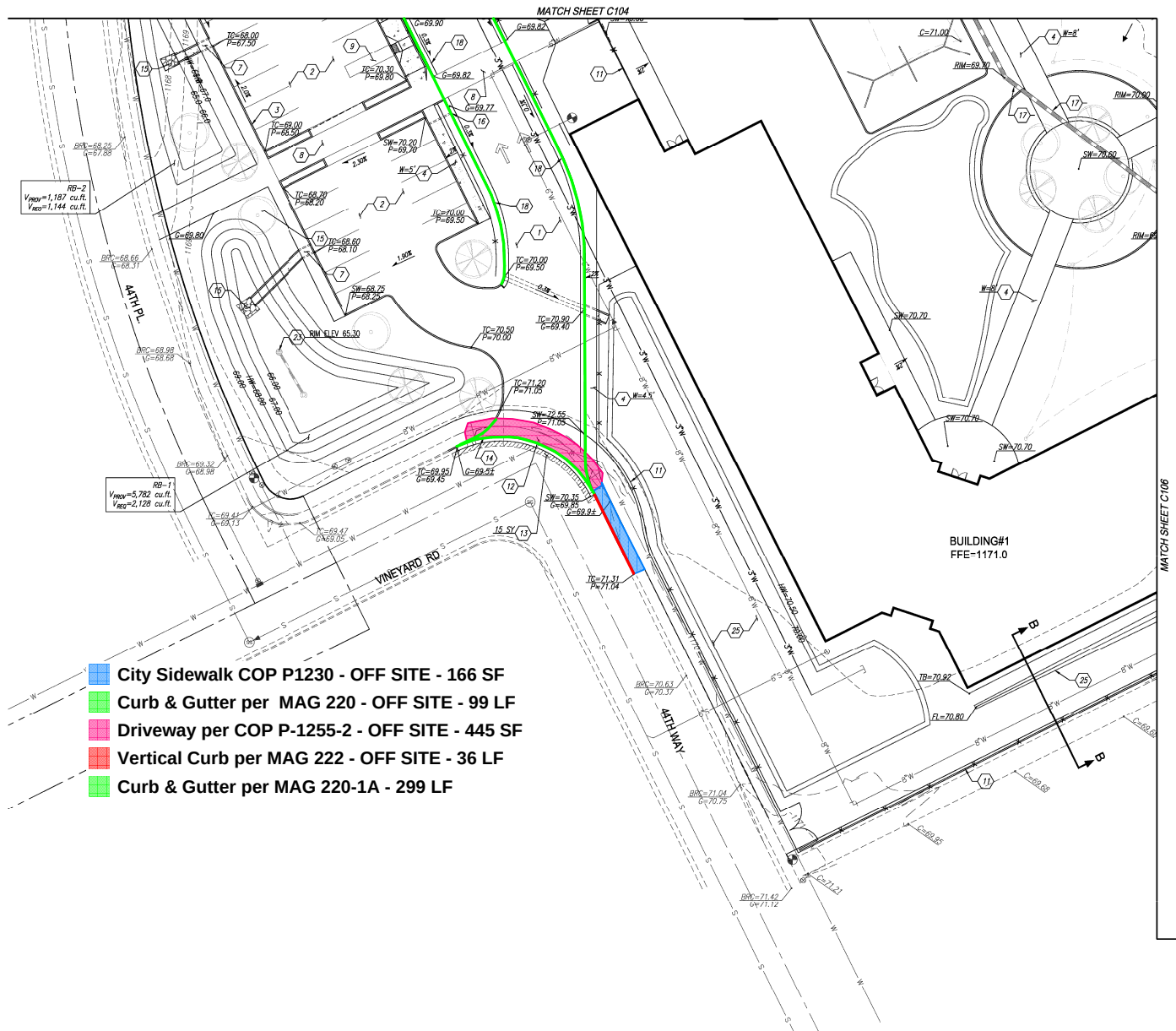
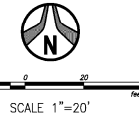
ENLARGED SITE PLAN - PHASE II

SCALE: 1" = 30'-0"

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



GRADING NOTES:

1. CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE. PER GEOTECH SPECS.
 2. CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE. PER GEOTECH SPECS.
 3. INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
 4. CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230. WIDTH VARIES REFER TO PLAN.
 5. CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
 6. CONSTRUCT 3" CURB OPENING PER DETAIL 1 ON SHEET C102.
 7. CONSTRUCT 3" CURB OPENING WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 203.
 8. PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
 9. CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
 10. PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
 11. SITE WALL/FENCE PER ARCHITECT'S PLANS.
 12. INSTALL DRIVEWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1255-2.
 13. SAWCUT AND REMOVE AC PAVEMENT. PAVEMENT REPLACEMENT THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 536 AND CITY OF PHOENIX DETAIL P1200-TYPE B. CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL/CITE INSPECTOR, TUNNELING UNDER EXISTING CURB AND GUTTER, IN CITY OF PHOENIX ROW, WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
 14. REMOVE EXISTING CURB AND GUTTER.
 15. INSTALL RRP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
 16. INSTALL (2.5" OPENING) SCUPPER PER MAG STD DETAIL 203.
 17. INSTALL HDPE STORM DRAIN PIPE PER SHEET C111.
 18. INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'A'.
 19. INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
 20. INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
 21. INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
 22. INSTALL CATCH BASIN PER C.O.P. S.D. P1570 (N).
 23. INSTALL MAXWELL PLUS DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
 24. PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR Boulders.
 25. DEPRESS AREA 6" MIN. U.L.O.
- SEE ARCHITECT'S PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



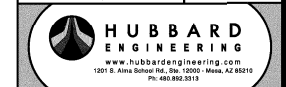
Job No. 1708
Drawn DL
Checked MWM
Date 11/18/17
Revised

FOR CONSTRUCTION

HDA ARCHITECTS, LLC.
459 N. Gilbert Road Suite C-202, GILBERT, AZ 85334
TEL (480) 539 8800 FAX: (480) 539 8608
GRADING PLAN



Project No. 17129	Date 12/14/2017	Sheet No. C105
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	



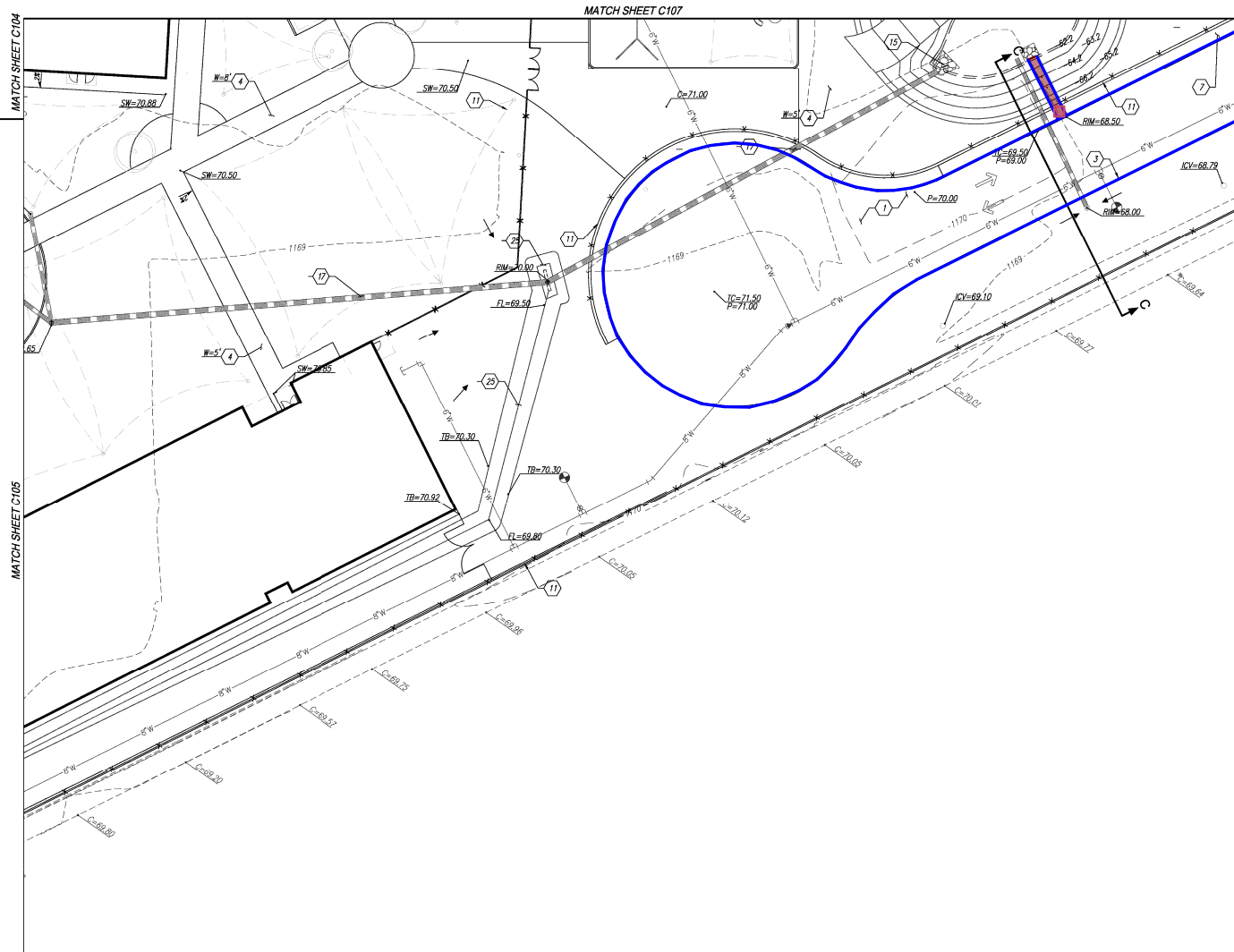
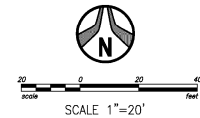
Sheet No.
C105

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN

- Spillway Bottom - 83 SF
- Spillway Curbs - 50 LF
- Vertical Curb per MAG 222A - 595 LF
- Sidewalk Scupper MAG 206 - 5'-0" Long - 1 EA



GRADING NOTES:

1. CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 8" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
2. CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
3. INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
4. CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230. WIDTH VARIES REFER TO PLAN.
5. CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
6. CONSTRUCT 3" CURB OPENING PER DETAIL 1 ON SHEET C102.
7. CONSTRUCT 3" CURB OPENING WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 206.
8. PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
9. CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
10. PROPOSED TRASH ENCLOSURE, REFER TO ARCHITECT'S PLAN FOR DETAILS.
11. SITE WALL/FENCE PER ARCHITECT'S PLANS.
12. INSTALL DRIVEWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1255-1.
13. SAWCUT AND REMOVE AC PAVEMENT, PAVEMENT REPLACEMENT THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 536 AND CITY OF PHOENIX DETAIL P1200-TYPE B, CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT/CIVIL/SITE INSPECTION, TUNNELING UNDER EXISTING CURB AND GUTTER, IN CITY OF PHOENIX ROW, WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
14. REMOVE EXISTING CURB AND GUTTER.
15. INSTALL RBP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
16. INSTALL (2.5' OPENING) SCUPPER PER MAG STD DETAIL 203.
17. INSTALL HDPE STORM DRAIN PIPE PER SHEET C111.
18. INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'C'.
19. INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
20. INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
21. INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
22. INSTALL CATCH BASIN PER C.O.P. S.D. P1570 (N).
23. INSTALL MAXWELL PLUS DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
24. PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR BOULDERS.
25. DEPRESS AREA 6" MIN. UNLO.

SEE ARCHITECT'S PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.



Project No.	Date	Sheet No.
17129	12/14/2017	C106
Project Manager	Project Engineer	
D. LAREDO, P.E.	M. WOLF, P.E.	
 HUBBARD ENGINEERING www.hubbardengineering.com 1201 S. Alma School Rd., Ste. 1000 - Mesa, AZ 85016 PH: 480.892.3313		

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No. 1708
Drawn DL
Checked MSB
Date 11/18/17
Revised

RAE
CONSTRUCTION

HDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-202, GILBERT, AZ 85334
TEL: (480) 539 8800 FAX: (480) 539 8608
GRADING PLAN

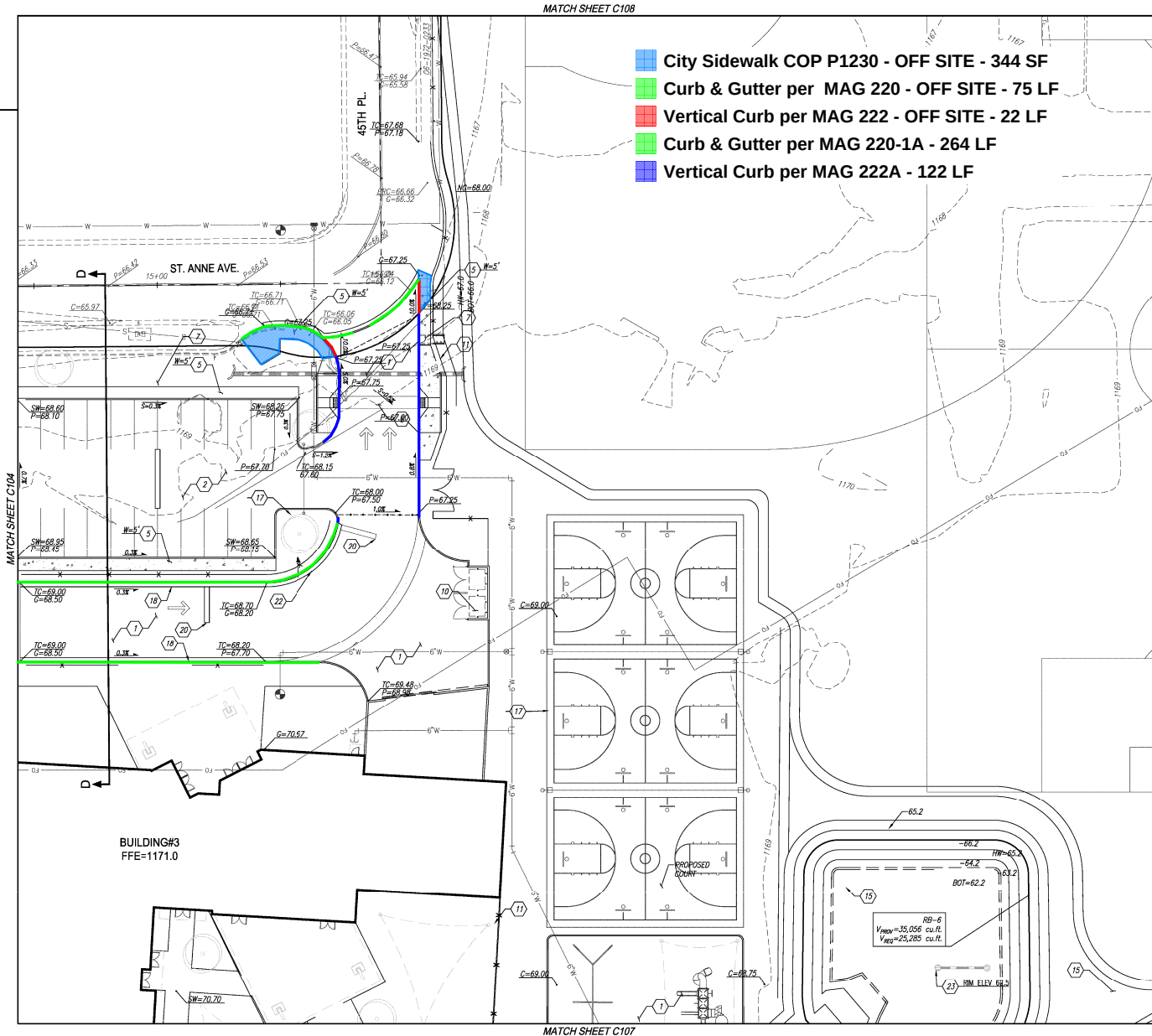
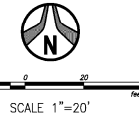
HDA
HDA ARCHITECTS, LLC.

Sheet No.
C106

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



GRADING NOTES:

- (1) CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
 - (2) CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
 - (3) INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
 - (4) CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230. WIDTH VARIES REFER TO PLAN.
 - (5) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
 - (6) CONSTRUCT 3" CURB OPENING PER DETAIL 1 ON SHEET C102.
 - (7) CONSTRUCT 3" CURB OPENING WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 206.
 - (8) PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
 - (9) CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
 - (10) PROPOSED TRASH ENCLOSURE, REFER TO ARCHITECT'S PLAN FOR DETAILS.
 - (11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
 - (12) INSTALL DRIVEWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1255-2.
 - (13) SAWCUT AND REMOVE AC PAVEMENT. PAVEMENT REPLACEMENT THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 536 AND CITY OF PHOENIX DETAIL P1200-TYPE B. CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL/SITE INSPECTOR, TUNNELING UNDER EXISTING CURB AND GUTTER, IN CITY OF PHOENIX ROW, WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
 - (14) REMOVE EXISTING CURB AND GUTTER.
 - (15) INSTALL RBP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
 - (16) INSTALL (2.5" OPENING) SCUPPER PER MAG STD DETAIL 203.
 - (17) INSTALL HDPE STORM DRAIN PIPE PER SHEET C111.
 - (18) INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'C'.
 - (19) INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
 - (20) INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
 - (21) INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
 - (22) INSTALL CATCH BASIN PER C.O.P. S.D. P1570 (N).
 - (23) INSTALL MAXWELL PLUS DRAINELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
 - (24) PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR Boulders.
 - (25) DEPRESS AREA 6" MIN. U/L.O.
- SEE ARCHITECT'S PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No. 17098
Drawn DL
Checked MWM
Date 10/09/17
Revised

DREAMAR
SET

HDA ARCHITECTS, LLC.
459 N. Gilbert Road Suite C-202, GILBERT, AZ 85334
TEL: (480) 539 8800 FAX: (480) 539 8608
GRADING PLAN

HDA
HDA ARCHITECTS, LLC.



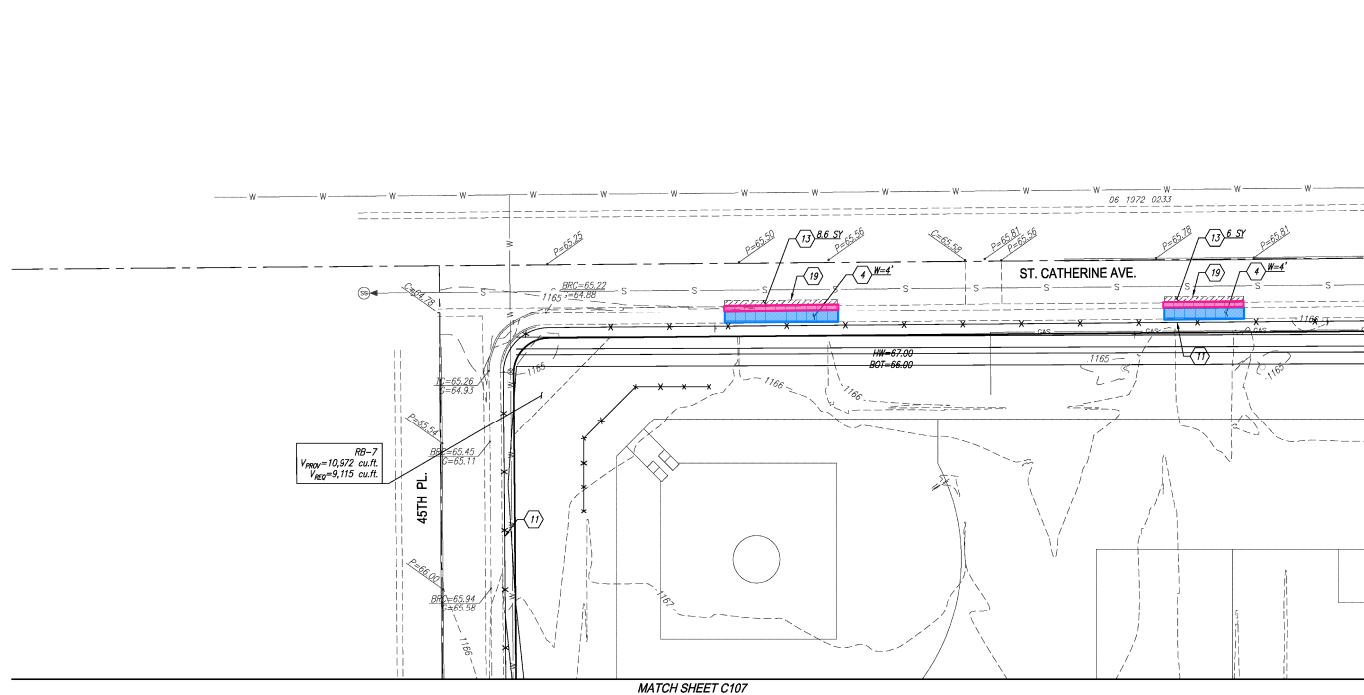
Project No. 17129	Date —	Sheet No. C107
Project Manager D. LAREDO	Project Engineer M. WOLF, P.E.	
 HUBBARD ENGINEERING www.hubbardengineering.com 1201 S. Alma School Rd., Ste. 1000 • Mesa, AZ 85210 PH: 480.882.3313		

Sheet No.
C107

GRADING NOTES:

- 1) CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
- 2) CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
- 3) INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
- 4) CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230; WIDTH VARIES REPAIR TO MATCH.
- 5) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
- 6) CONSTRUCT 3" CURB OPVING WITH CONCRETE SIDEWALK C102.
- 7) CONSTRUCT 3" CURB OPVING WITH CONCRETE SIDEWALK C102.
- 8) PROPOSED SPEED TABLE WITH DOWELBAR.
- 9) CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2K IN ALL DIRECTIONS.
- 10) PROPOSED FISH ENCLOSURE, REPAIR TO ARCHITECT'S PLAN FOR DETAILS.
- 11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
- 12) INSTALL OPENWAY ENTRANCE TYPE B PER C.O.P. STD. DETAIL P-1235-2.
- 13) SAWCUT AND REMOVE AC PAVEMENT, PAVEMENT REPAIR, THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPERVISION SECTION 336 AND CITY OF PHOENIX DETAIL P220-1. 6" CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL SECTION, PER M.A.G. STANDARD DETAIL 220-1. GUTTER REPLACEMENT SHALL BE PER M.A.G. STANDARD DETAIL 220-1. FULL PANEL PER CITY OF PHOENIX DETAIL P1332 AT THE DISCRESSION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CITY/STATE INSPECTOR. TUNNELING UNDER EXISTING CURBS AND GUTTERS IN CITY OF PHOENIX WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALKS WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
- 14) REMOVE EXISTING CURB AND GUTTER.
- 15) INSTALL BP-BAG D $\geq 6"$ DEPTH=18" PER M.A.G. SPEC. SECTION 201 OVER GEOTECHNICAL FABRIC PER M.A.G. SPEC. SECTION 796.
- 16) INSTALL (2.5" OPENING) SCULLPER PER MAG STD DETAIL 203.
- 17) INSTALL HOPE STORM DRAIN PIPE PER SHEET C111.
- 18) INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'A'.
- 19) INSTALL REAL CURB PER M.A.G. STD. 220-1 TYPE '1C'.
- 20) INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
- 21) INSTALL ACCESSIBLE RAMP PER DETAIL N 2 SHEET C102.
- 22) INSTALL CATCH BASIN PER C.O.P. P1576 (N).
- 23) INSTALL MANHOLE PIPES WITH DOWEL BAR DETAIL ON SHEET C102 AND PER MANUFACTURERS SPECIFICATIONS. INSERT SHOWN ON PLAN BE 13.1' ABOVE, BOTTOM OF RETENTION BASIN.
- 24) PLAY FIELDS MUST BE PROTECTED, NO LARGE RIVER ROCKS OR Boulders.
- 25) DEPRESS AREA 6" MIN. UNL.O.

SEE ARCHITECTS PLANS FOR ADDITIONAL
DIMENSIONS, CONCRETE SCORING AND
OTHER PERTINENT INFORMATION.



MATCH SHEET C107

ADDITIONS AND RENOVATIONS TO
NEWTT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



Job No.	1709
Drawn	DL
Checked	MSW
Date	11/18/17
Revised	

FOR
CONSTRUCTION

CHDA ARCHITECTS, LLC.
159 N. Gilbert Road, Suite C-200, GILBERT, AZ 85234
TEL: (480) 539 8800 FAX: (480) 539 8608

GRADING PLAN

HDA
HDA ARCHITECTS, LLC

Sheet No.
C108

PAPP#1705053 KIVA#17-3110



Call before you dig.
1.800.STAKE.IT
602.263.1100

Project No. 17129	Date 12/14/2017	Sheet No. C108
Project Manager D. LAREDO, P.E.		Project Engineer M. WOLF, P.E.



HUBBARD ENGINEERING

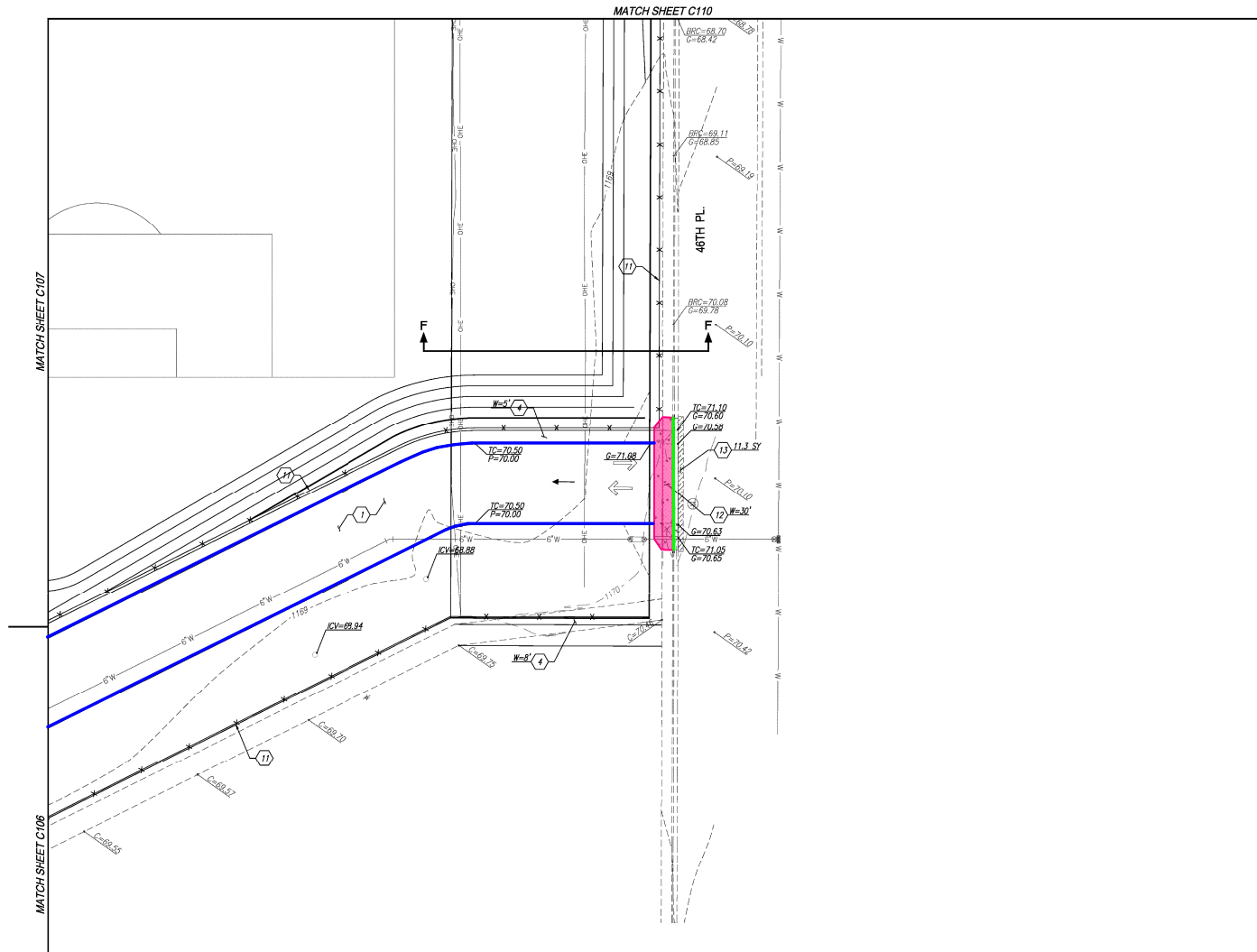
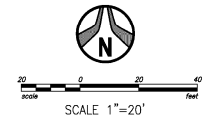
www.hubbardengineering.com
 1201 S. Alms School Rd., Ste. 12000 • Mesa, AZ 85210
 Ph: 480.892.3313

- Curb & Gutter per MAG 220 - OFF SITE - 50 LF
- Driveway per COP P-1255-2 - OFF SITE - 343 SF
- Vertical Curb per MAG 222A - 493 LF

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



GRADING NOTES:

- (1) CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
- (2) CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
- (3) INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
- (4) CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230. WIDTH VARIES REFER TO PLAN.
- (5) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
- (6) CONSTRUCT 3" CURB OPENING PER DETAIL 1 ON SHEET C102.
- (7) CONSTRUCT 3" CURB OPENING WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 206.
- (8) PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
- (9) CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
- (10) PROPOSED TRASH ENCLOSURE, REFER TO ARCHITECT'S PLAN FOR DETAILS.
- (11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
- (12) INSTALL DRIVEWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1255-2.
- (13) SAWCUT AND REMOVE AC PAVEMENT. PAVEMENT REPLACEMENT THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 536 AND CITY OF PHOENIX DETAIL P1200-TYPE B, CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL SECTION, PER M.A.G. STANDARD DETAIL 220. SIDEWALK REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL/CITY INSPECTOR, TUNNELING UNDER EXISTING CURB AND GUTTER, IN CITY OF PHOENIX ROW, WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
- (14) REMOVE EXISTING CURB AND GUTTER.
- (15) INSTALL RRP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
- (16) INSTALL (2.5' OPENING) SCUPPER PER MAG STD DETAIL 203.
- (17) INSTALL HDPE STORM DRAIN PIPE PER SHEET C111.
- (18) INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'A'.
- (19) INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
- (20) INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
- (21) INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
- (22) INSTALL CATCH BASIN PER COP S.D. P1570 (N).
- (23) INSTALL MAXWELL PLUS DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
- (24) PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR BOULDERS.
- (25) DEPRESS AREA 6" MIN. U.N.O.

SEE ARCHITECT'S PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.



Project No. 17129	Date 12/14/2017	Sheet No. C109
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	
 HUBBARD ENGINEERING www.hubbardengineering.com 1201 S. Alma School Rd., Ste. 1000 - Mesa, AZ 85210 PH: 480.892.3313		

HDA
HDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-200, Gilbert, AZ 85234
TEL: (480) 539 8800 FAX: (480) 539 8608

HDA
HDA ARCHITECTS, LLC.
KIVA #17-3110
PAPP#1705053

Sheet No.
C109

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4525 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



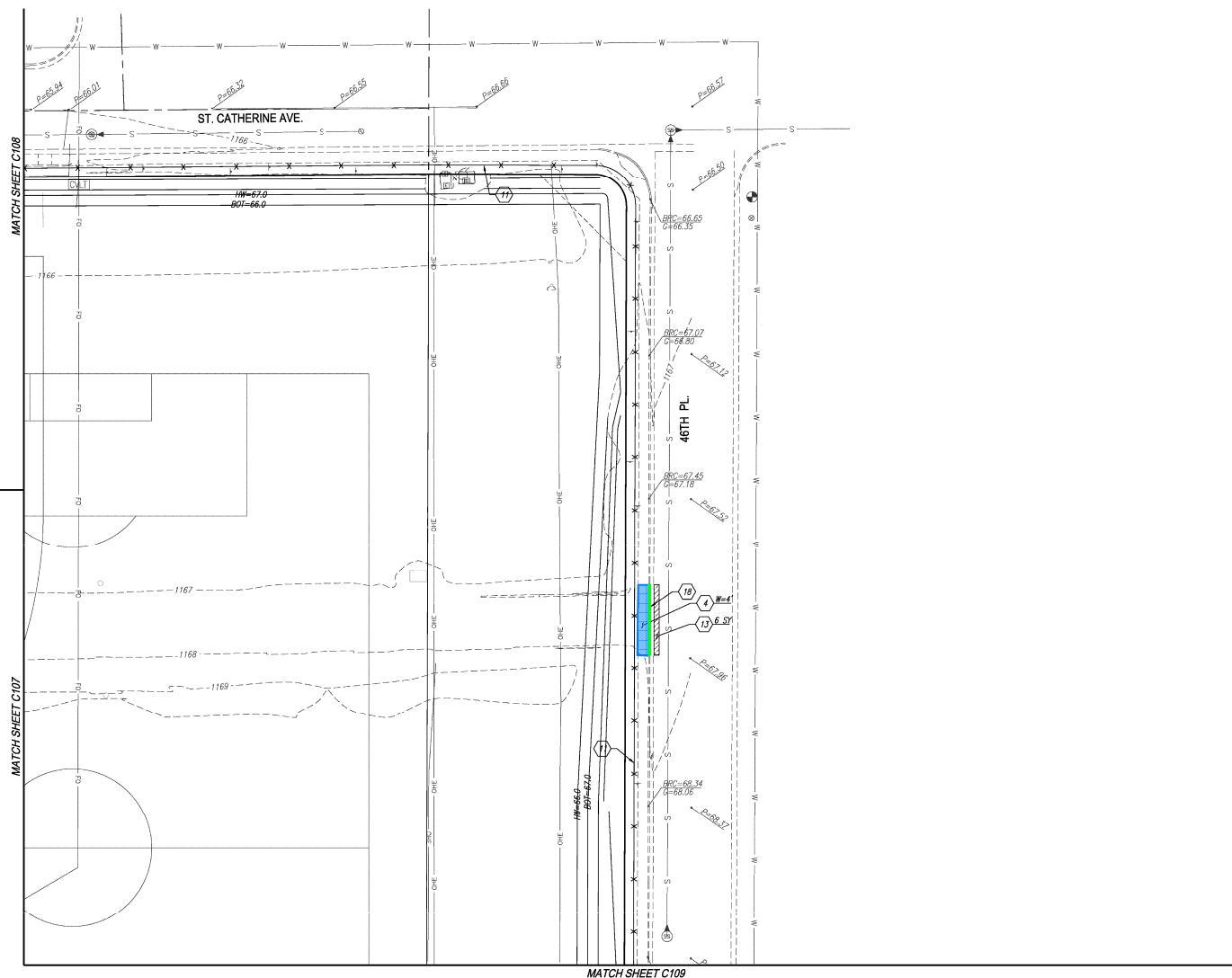
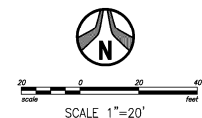
DRAFT
CONSTRUCTION

GRADING PLAN

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



GRADING NOTES:

- (1) CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 8" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
 - (2) CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE PER GEOTECH SPECS.
 - (3) INSTALL SINGLE CURB PER M.A.G. STD. DETAIL 222 TYPE 'A'.
 - (4) CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL P-1230. WIDTH VARIES REFER TO PLAN.
 - (5) CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. STD. DETAIL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
 - (6) CONSTRUCT 3" CURB OPENING PER DETAIL 1 ON SHEET C102.
 - (7) CONSTRUCT 3" CURB OPENING WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 203.
 - (8) PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
 - (9) CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
 - (10) PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
 - (11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
 - (12) INSTALL DRIVEWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1250-1.
 - (13) SAWCUT AND REMOVE AC PAVEMENT. PAVEMENT REPLACEMENT THICKNESS AND TYPE ARE TO BE PER M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 536 AND CITY OF PHOENIX DETAIL P1200-TYPE B. CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL SECTION PER M.A.G. STANDARD DETAIL 220. SIDEWALK REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL/CITY INSPECTOR, TUNNELING UNDER EXISTING CURB AND GUTTER, IN CITY OF PHOENIX ROW, WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
 - (14) REMOVE EXISTING CURB AND GUTTER.
 - (15) INSTALL RPP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
 - (16) INSTALL (2.5" OPENING) SCUPPER PER MAG STD DETAIL 203.
 - (17) INSTALL HDPE STORM DRAIN PIPE PER SHEET C111.
 - (18) INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'A'.
 - (19) INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
 - (20) INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
 - (21) INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
 - (22) INSTALL CATCH BASIN PER C.O.P. S.D. P1570 (N).
 - (23) INSTALL MAXWELL PLUS DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
 - (24) PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR BOLLERS.
 - (25) DEPRESS AREA 6" MIN. UNLO.
- SEE ARCHITECT'S PLANS FOR ADDITIONAL DIMENSIONS, CONCRETE SCORING AND OTHER PERTINENT INFORMATION.



Project No. 17129	Date 12/14/2017	Sheet No. C110
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	
 HUBBARD ENGINEERING www.hubbardengineering.com 1201 S. Alma School Rd., Ste. 1000 - Mesa, AZ 85016 PH: 480.892.3313		

ADDITIONS AND RENOVATIONS TO
 NEVITT ELEMENTARY SCHOOL
 TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
 4525 E. ST. ANNE AVE.
 PHOENIX, AZ. 85042



Job No. 1708
 Drawn DL
 Checked MSB
 Date 11/18/17
 Revised

DRAFT
 CONSTRUCTION

HDA ARCHITECTS, LLC.
 459 N. Gilbert Road Suite C-200, Gilbert, AZ 85334
 TEL: (480) 539 8800 FAX: (480) 539 8608

HDA ARCHITECTS, LLC.
 GRADING PLAN

Sheet No.
C110