

Tempe Elementary School District

Nevitt School Rebuild

Adjacent Ways Estimate
Contract Number: 17-29-01

Revised April 27, 2018



4/27/2018

Nevitt Elementary School

4525 E Saint Anne Ave

Phoenix, AZ 85042

Contract Number : 17-29-01

Revised

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	\$0	\$125,230	\$125,230
DIVISION 03 - CONCRETE				
6	Concrete	\$33,000	\$31,194	\$64,194
7	Subtotal	\$219,772	\$172,102	\$391,874
8	Material Testing/Special Inspection	\$4,160	\$0	\$4,160
9	General Liability Insurance	\$2,696	\$2,015	\$4,711
10	Builders Risk Insurance	\$809	\$604	\$1,413
11	Performance & Payment Bond	\$6,745	\$0	\$0
12	Contingency - Construction	\$7,692	\$6,024	\$13,716
13	Contractors Fee	\$13,482	\$10,074	\$23,556
14	Subtotal	\$255,356	\$190,819	\$439,430
15	Sales Taxes	\$14,274	\$10,667	\$24,941
16	TOTAL	\$269,631	\$201,485	\$471,116



4/27/2018

Nevitt Elementary School

4525 E Saint Anne Ave

Phoenix, AZ 85042

Contract Number : 17-29-01

ONSITE ADJACENT WAYS - Revised

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 - No Building only Pathway	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
DIVISION 03 - CONCRETE					
24	Concrete				
25	Onsite Curb & Gutter	1,455	LF	\$18,915	
26	Onsite Vertical Curb	1,252	LF	\$14,085	
27	Total Concrete				\$33,000
28	Subtotal				\$219,773



4/27/2018

Nevitt Elementary School

4525 E Saint Anne Ave

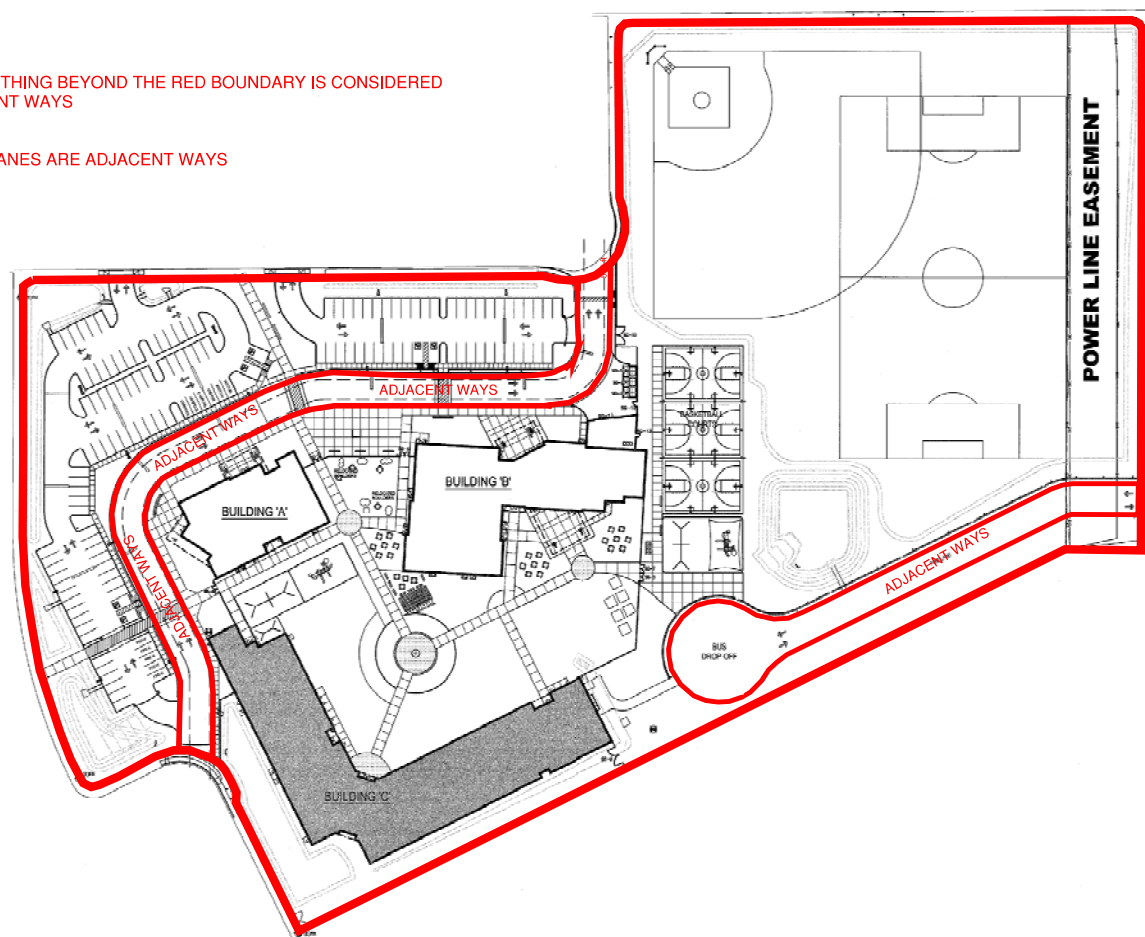
Phoenix, AZ 85042

Contract Number : 17-29-01

OFFSITE ADJACENT WAYS

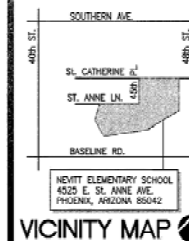
Item	Description Of Work	Total Quantity	Unit	Total Cost	Division Sum
DIVISION 01 - GENERAL REQUIREMENTS					
1	General Requirements	1	LS	\$6,902	
2	Total General Requirement & Survey				\$6,902
Division 02 - SITE CONSTRUCTION					
3	Earthwork & Paving				
4	Sidewalk Demolition - No Building	800	SF	\$919	
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	230	LF	\$14,950	
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				\$125,230
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 & Roll Curb	124	LF	\$1,612	
28	Total Concrete				\$31,194
29	Subtotal				\$172,102

****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

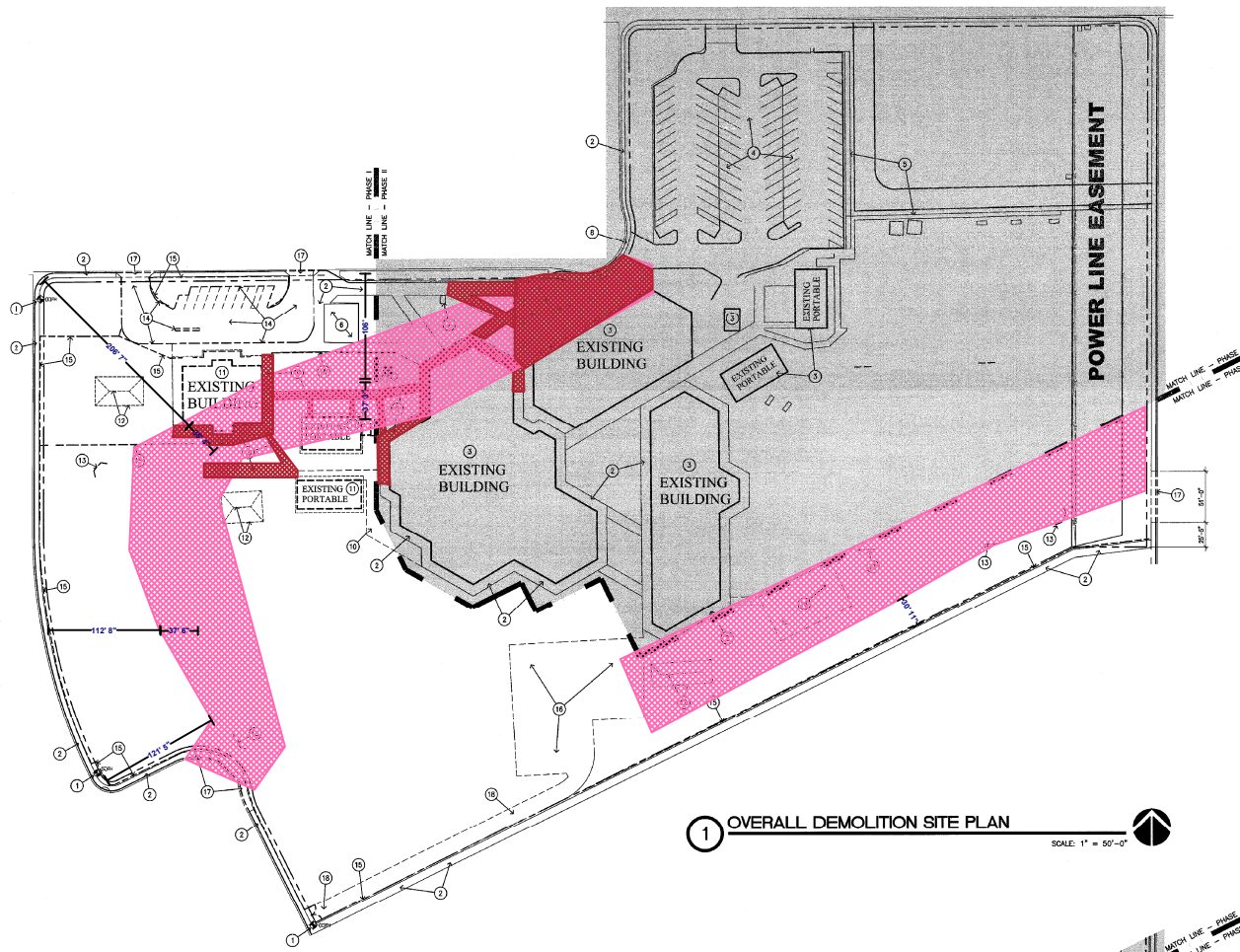
HDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-200, GILBERT, AZ 85224
TEL: (480) 539 8800 FAX: (480) 539 8608

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

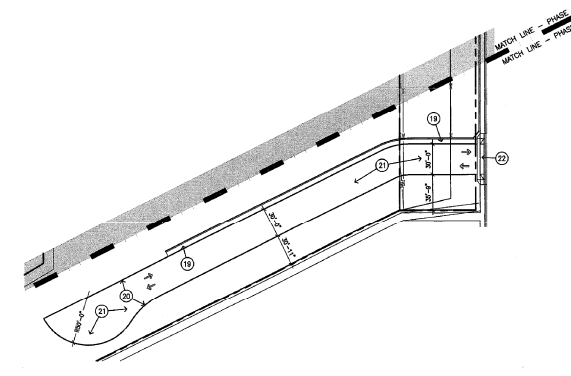
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Job No.	1709
Drawn	AJD
Checked	QAM
Date	02-15-18
Revised	
 APPENDIX NO. 01 01-18-18	

ADDITIONS AND RENOVATIONS TO
NEVITT ELEMENTARY SCHOOL
TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
4625 E. ST. ANNE AVE.
PHOENIX, AZ. 85042



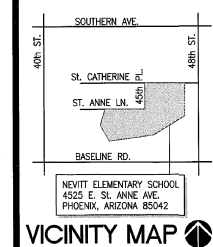
1 OVERALL DEMOLITION SITE PLAN
 SCALE: 1" = 50'-0"



2 PARTIAL SITE PLAN
 SCALE: 1" = 50'-0"

ON SITE

- NOTES**
1. EXISTING FIRE HYDRANT TO REMAIN.
 2. EXISTING CONCRETE SIDEWALK TO REMAIN.
 3. EXISTING BUILDING TO REMAIN.
 4. EXISTING ASPHALT PARKING LOT AND CONCRETE CURBING TO REMAIN.
 5. EXISTING CHAINLINK FENCE TO REMAIN.
 6. EXISTING BICYCLE RACKS AND CHAINLINK ENCLOSURE TO REMAIN.
 7. EXISTING MARGUERITE SIGN TO REMAIN.
 8. EXISTING CONCRETE ENTRANCE TO REMAIN.
 9. REMOVE EXISTING CONCRETE SIDEWALK.
 10. REMOVE EXISTING BUILDING IN ITS ENTIRETY.
 11. REMOVE EXISTING DRIVE STRUCTURE.
 12. REMOVE EXISTING CHAINLINK BACKSTOP/SOCCER GOAL.
 13. REMOVE EXISTING ASPHALT PARKING LOT AND CONCRETE CURBING.
 14. REMOVE EXISTING CHAINLINK FENCE TO REMAIN.
 15. REMOVE EXISTING CONCRETE PLAYCOURTS AND BENCHES.
 16. REMOVE EXISTING CONCRETE ACCESS DRIVE.
 17. REMOVE EXISTING CONCRETE SIDEWALK OVER PREPARED SUBGRADE.
 18. 4" CONCRETE SIDEWALK OVER PREPARED SUBGRADE.
 19. SEE TYPICAL DETAILS 1 THRU 4 (A/E/C).
 20. CONCRETE CURB, SEE DETAIL 5/A/E/C.
 21. ASPHALT PAVING.
 22. CONCRETE DRIVEWAY ENTRANCE.



HDA ARCHITECTS, LLC.
 459 N. Gilbert Road, Suite C-300, Gilbert, AZ 85294
 TEL: (480) 539 8600 FAX: (480) 539 8608
OVERALL DEMOLITION SITE PLAN

NEVITT ELEMENTARY SCHOOL
 TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3
 4535 E. ST. ANNE AVE.
 PHOENIX, AZ 85042

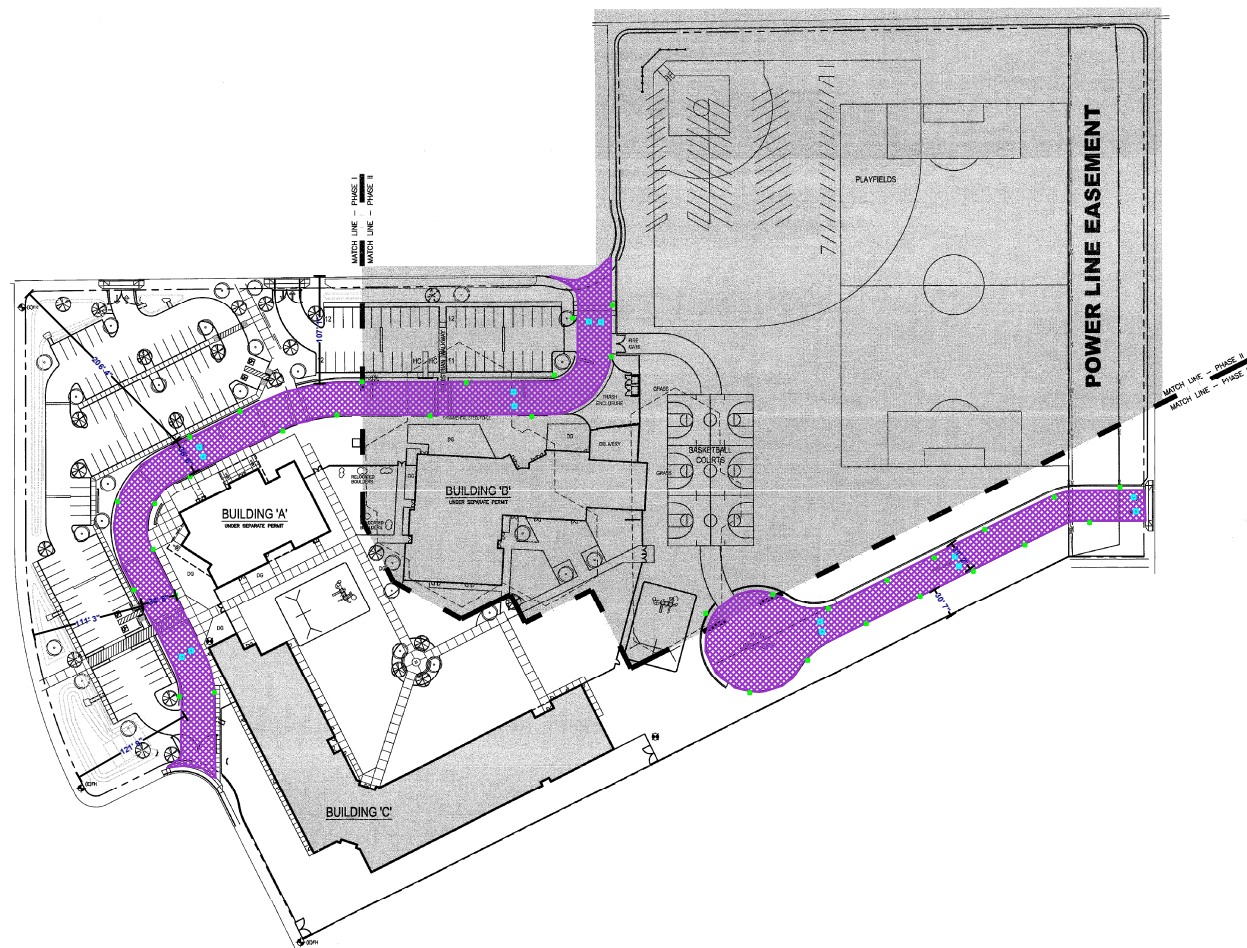
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Job No. 1709
Drawn A/D
Checked D/E
Date 11-13-17
Revised

HDA ARCHITECTS, LLC.
 Sheet No. **A101**

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

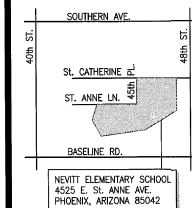
NOTES



ONSITE

1 OVERALL SITE PLAN

SCALE: 1" = 80'-0"



VICINITY MAP

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	AD
Checked	DM
Date	11-13-17
Revised	

PERMIT
SET

HDA ARCHITECTS, LLC.
189 N. Gilbert Road, Suite C-300, Gilbert, AZ 85294
TEL: (480) 539 8800 FAX: (480) 539 8608
OVERALL SITE PLAN

HDA
HDA ARCHITECTS, LLC.

Sheet No.
A100

NEVITT ELEMENTARY SCHOOL

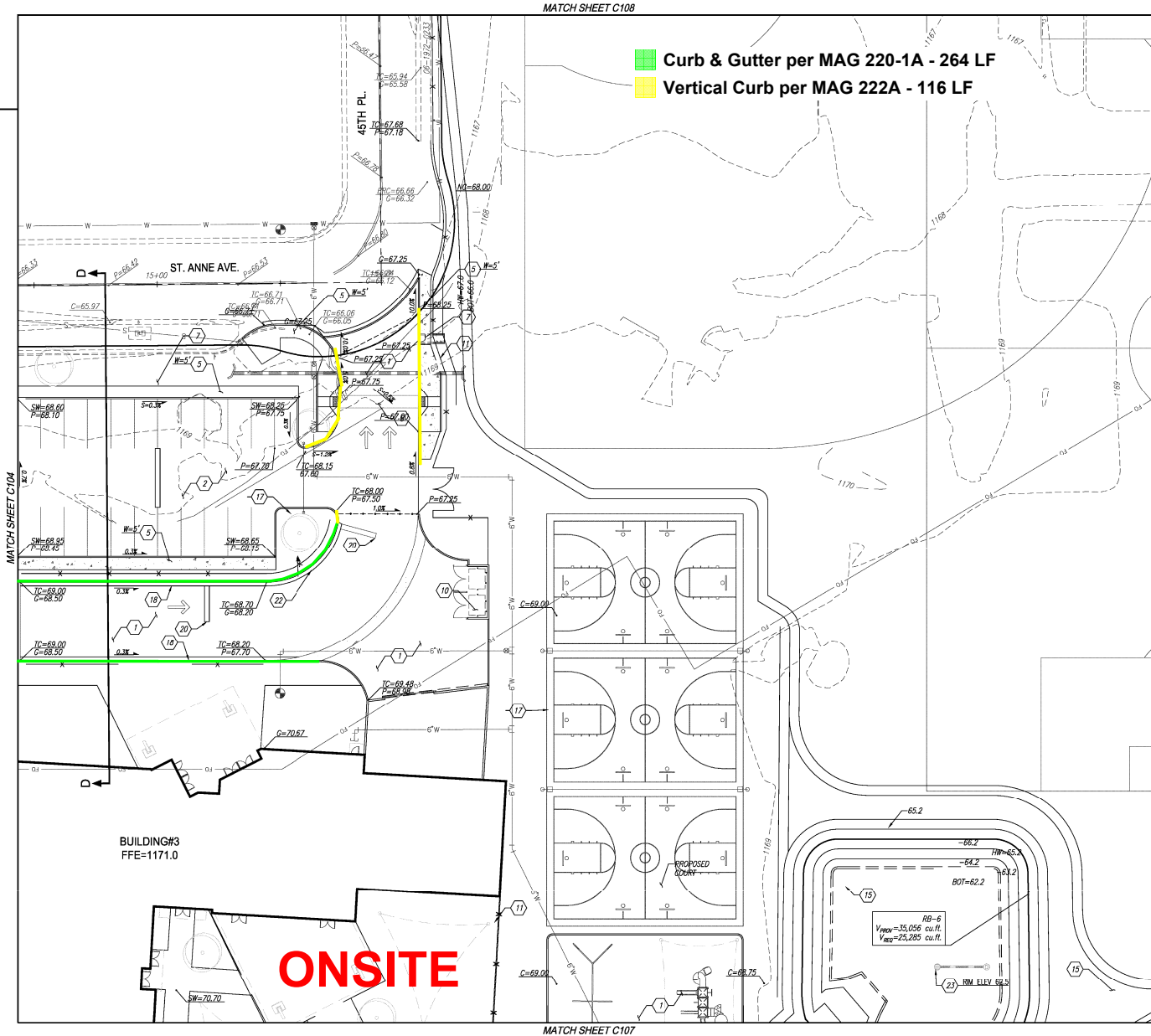
PHOENIX, AZ. 85042

GRADING PLAN



SCALE 1"=20'

- Curb & Gutter per MAG 220-1A - 264 LF
- Vertical Curb per MAG 222A - 116 LF



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 WITH CONCRETE SIDEWALK SCUPPER PER M.A.G. STD. DETAIL 206.
7. PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
8. CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2X IN ALL DIRECTIONS.
9. PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
10. SITE WALL/FENCE PER ARCHITECT'S PLANS.
11. INSTALL DRIVEWAY ENTRANCE TYPE 8 PER C.O.P. STD. DETAIL P-1255-2.
12. 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 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.
13. REMOVE EXISTING CURB AND GUTTER.
14. INSTALL RRP-RAP, D=8", DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 796.
15. INSTALL (2.5' OPENING) SCUPPER PER MAG STD DETAIL 203.
16. INSTALL HOPE STORM DRAIN PIPE PER SHEET C111.
17. INSTALL CONCRETE CURB AND GUTTER PER M.A.G. STD. 220-1 TYPE 'A'.
18. INSTALL ROLL CURB PER M.A.G. STD. 220-1 TYPE 'C'.
19. INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
20. INSTALL ACCESSIBLE RAMP PER DETAIL 2 IN SHEET C102.
21. INSTALL CATCH BASIN PER COP S.D. P1570 (N).
22. INSTALL MAXWELL PLUS DRYWELL PER DETAIL ON SHEET C107 AND PER MANUFACTURER'S SPECIFICATIONS. INVERT SHOWN ON PLAN MUST BE 0.3 FT ABOVE BOTTOM OF RETENTION BASIN.
23. PLAY FIELDS MUST BE FINE GRADED, NO LARGE RIVER ROCKS OR BOULDERS.
24. DEPRESS AREA 6" MIN. UNDO.
25. 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. 17008
 Drawn DL
 Checked MSB
 Date 10/09/17
 Revised

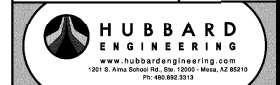
DREAMAR
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HDA ARCHITECTS, LLC.
 459 N. Gilbert Road, Suite C-200, Gilbert, AZ 85304
 TEL (480) 539 8800 FAX (480) 539 8608
 GRADING PLAN

HDA
 HDA ARCHITECTS, LLC.



Project No.	17129	Date	-	Sheet No.	C107
Project Manager	D. LAREDO	Project Engineer	M. WOLF, P.E.		



Sheet No.
 C107

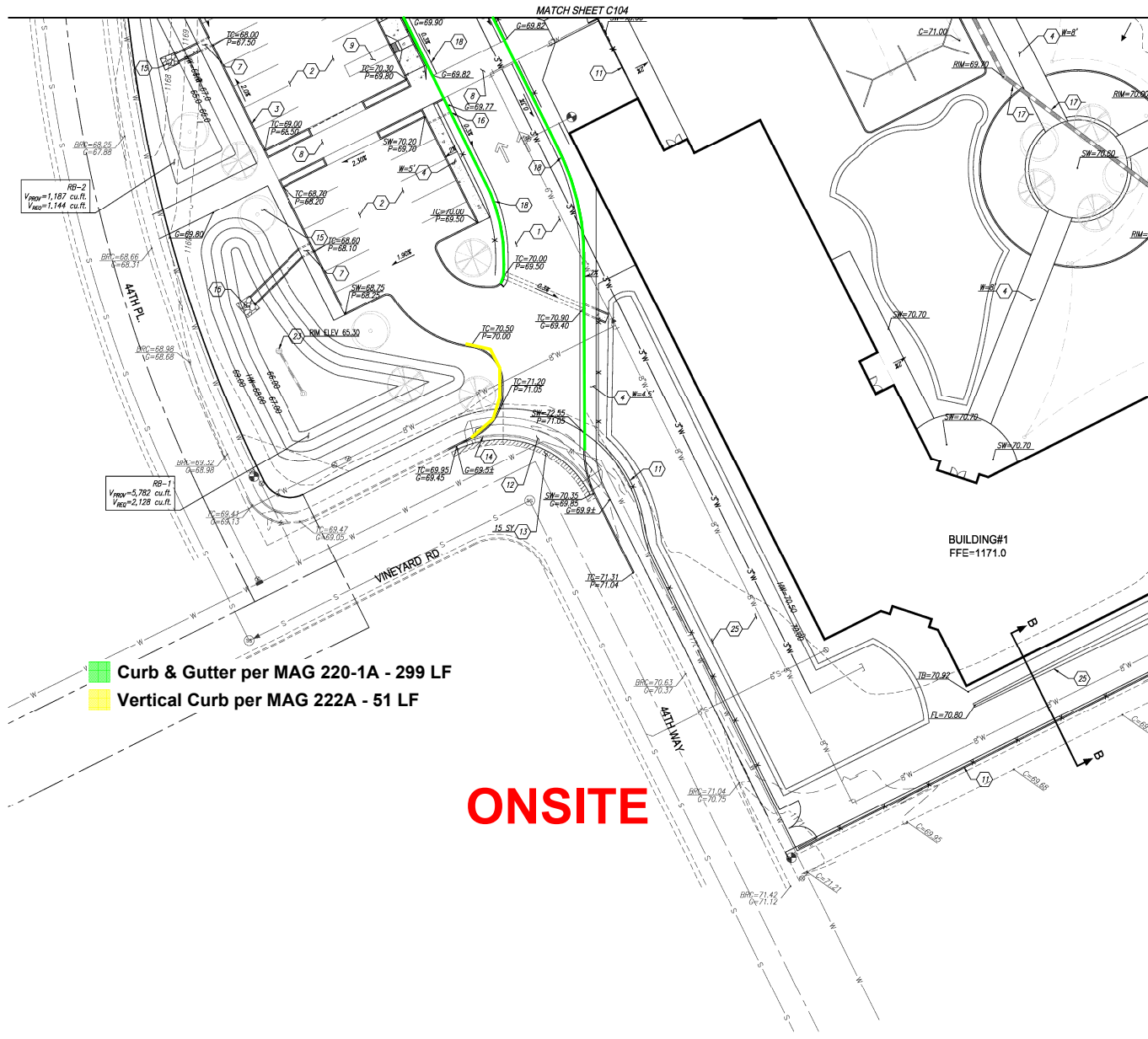
NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



SCALE 1"=20'



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-1241-1 (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 8 PER C.O.P. STD. DETAIL P-1235-2.
 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/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=6", 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 HOPE 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.

ONSITE

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



Job No. 17008
Drawn DL
Checked MSL
Date 11/18/17
Revised

FOR CONSTRUCTION

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

HDA ARCHITECTS, LLC
KIVA#17-3110



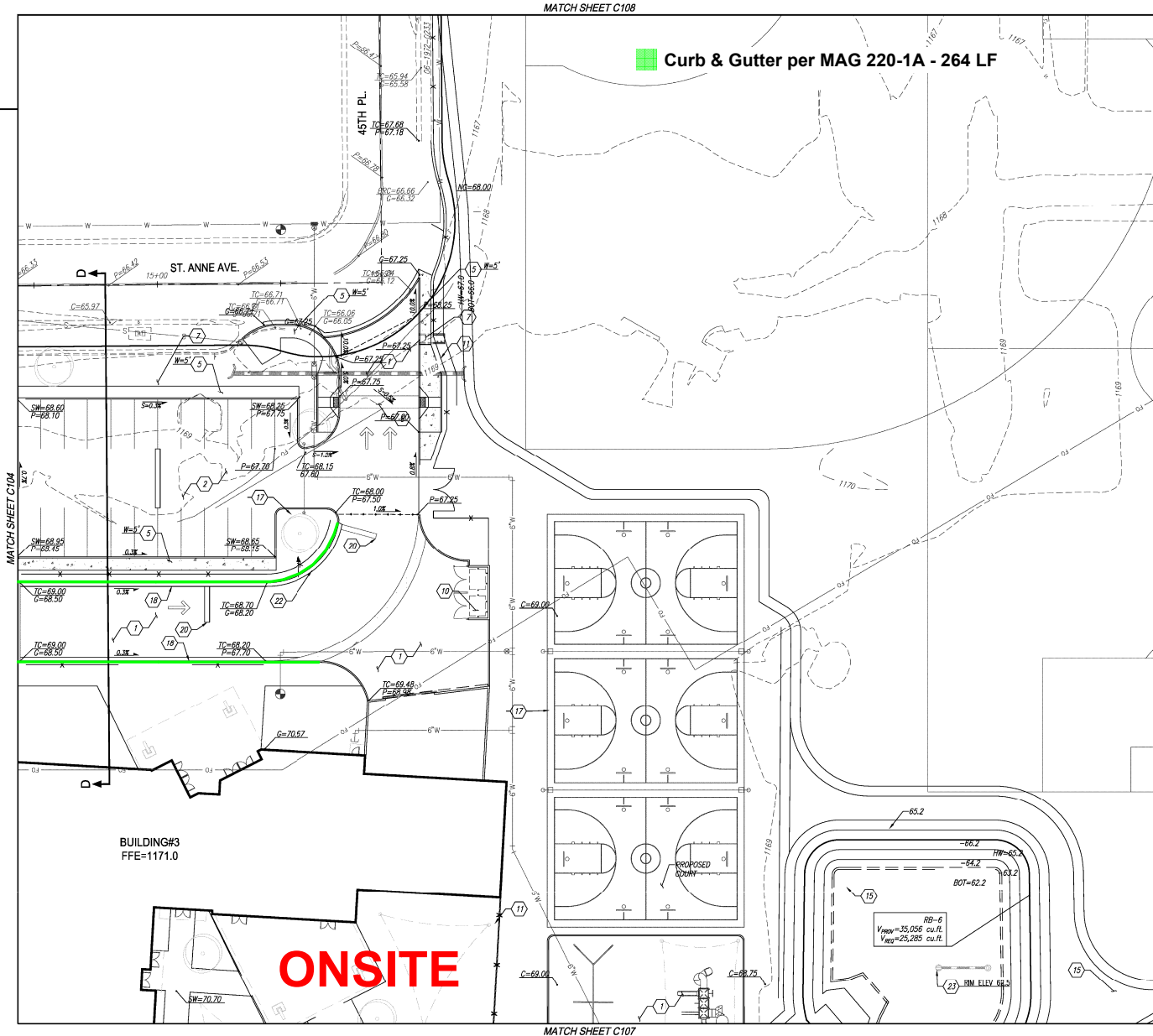
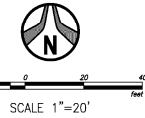
Project No. 17129	Date 12/14/2017	Sheet No. C105
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	
 HUBBARD ENGINEERING <small>www.hubbardengineering.com 1201 S. Anna Street Rd., Box 10050 - Mesa, AZ 85209 PH: 480.892.3313</small>		

Sheet No.
C105

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



■ Curb & Gutter per MAG 220-1A - 264 LF

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 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 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 '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

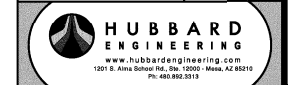
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SET

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.

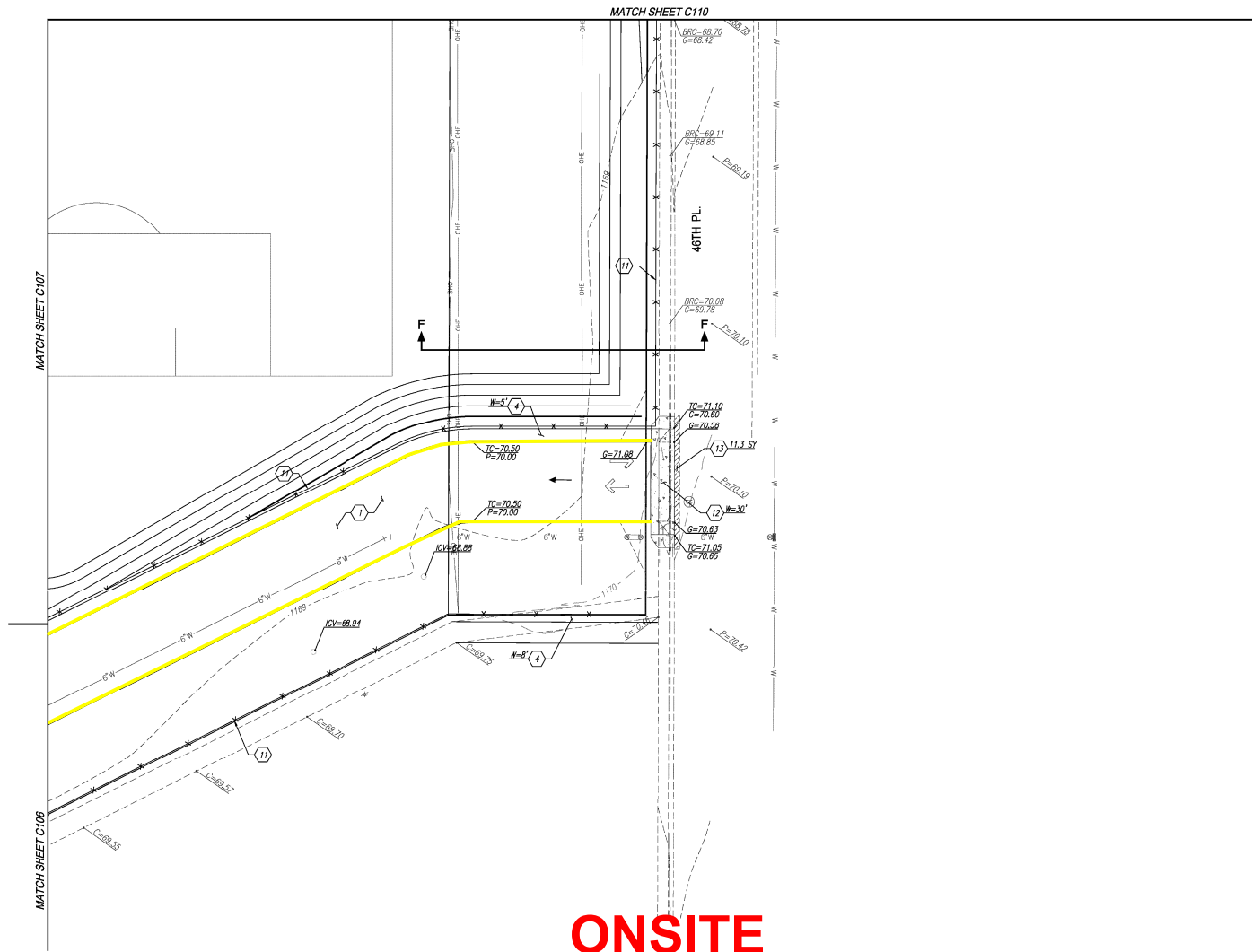
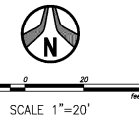


Project No. 17129	Date —	Sheet No. C107
Project Manager D. LAREDO	Project Engineer M. WOLF, P.E.	



Sheet No.
C107

NEVITT ELEMENTARY SCHOOL
PHOENIX, AZ. 85042
GRADING PLAN



ONSITE

GRADING NOTES:

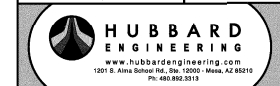
11. CONSTRUCT HEAVY-DUTY ASPHALT PAVEMENT, 3" AC OVER 8" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
12. CONSTRUCT LIGHT-DUTY ASPHALT PAVEMENT, 2 1/2" AC OVER 6" ABC OVER 12" PREPARED SUBGRADE, PER GEOTECH SPECS.
13. INSTALL SINGLE CURB PER M.A.G. DETAIL 222 TYPE 'A'.
14. CONSTRUCT CONCRETE SIDEWALK PER C.O.P. DETAIL 206. DETAL P-1230. BOTH SIDES REFER TO PLAN.
15. CONSTRUCT SIDEWALK RAMP PER DETAIL C.O.P. DETAL P-1240 (SINGLE) OR P-1241-4 (DOUBLE).
16. CONSTRUCT 3' CURB OPENING PER DETAIL 1. ON SHEET C102.
17. CONSTRUCT 3' CURB OPENING WITH CONCRETE SIDEWALK SCULLPER PER M.A.G. DETAL 206.
18. PROPOSED SPEED TABLE WITH CROSSWALK. REFER TO ARCHITECT'S PLAN FOR DETAILS.
19. CONSTRUCT ACCESSIBLE PARKING PER ARCHITECT'S PLANS. 2% IN ALL DIRECTIONS.
20. PROPOSED TRAIL ENCLOSURE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
21. SITE WALL/FENCE PER ARCHITECT'S PLANS.
22. INSTALL DRAINAGE ENTRANCE TYPE II PER C.O.P. DETAIL P-1235-2.
23. REMOVE AND REPLACE AC PAVEMENT, PAVEMENT REPLACEMENT THICKNESS TYPE 'A' ABC PER M.P. M.A.G. AND CITY OF PHOENIX SUPPLEMENT SECTION 338.00 PER CITY OF PHOENIX DETAIL P-1235-2. A CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL SECTION PER M.P. M.A.G. STANDARD DETAIL 206. SIDEWALK REPLACEMENT SHALL BE ONE (1) FULL SECTION PER M.P. OF PHOENIX DETAIL P-1235-2. AT THE DISCRETION OF THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL SITE INSPECTOR, TUNNELING UNDER EXISTING CURB AND GUTTER IN CITY OF PHOENIX FORM WILL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX NOW.
24. REMOVE EXISTING CURB AND GUTTER.
25. INSTALL RIP-RAP D 48" DEPTH 18" PER M.A.G. SECTION 220 OVER GEOTECH FIBRIC PER M.A.G. DETAIL 206. DETAL 206.
26. INSTALL (21.5" OPENING) SCULLPER PER M.A.G. DETAIL 203.
27. INSTALL HOPE STORM DRAIN PIPE PER SHEET C111.
28. INSTALL CONCRETE CURB AND GUTTER PER M.A.G. DET. 220-1 TYPE 'A'.
29. INSTALL ROLL CURB PER M.A.G. DET. 220-1 TYPE 'B'.
30. INSTALL SPEED BUMP. REFER TO ARCHITECT'S PLAN.
31. INSTALL ACCESSIBLE RAMP PER DETAIL 2. IN SHEET C102.
32. INSTALL CATCH BASIN PER C.O.P. P1570 (N).
33. INSTALL MANHOLE WITH DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURERS SPECIFICATIONS. UNDER SHOWN ON PLAN 11.31 FT. AT 10% GRADE OF RETURN DRAIN.
34. PLAY FIELDS MUST BE FIRM GRADED, NO LARGE RIVER ROCKS OR Boulders.
35. DEPRESS AREA 6" MIN. UN.C.O.

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



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602.263.1100

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



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~~

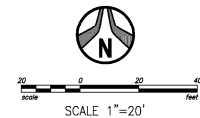
HDA ARCHITECTS, LLC.
159 N. Gilbert Road, Suite C-200, GILBERT, AZ 85234
TEL: (480) 539 8800 FAX: (480) 539 8608

HIDA
HIDA ARCHITECTS, L.L.C.

Sheet No.
C109

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 'A'.
- 4) CONSTRUCT CONCRETE SIDEWALK PER C.O.P. STD. DETAIL 2-1230. BOTH SIDES 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 SLOPPER 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. PER ALL DIRECTIONS.
- 10) PROPOSED TRAP INCLUSIVE. REFER TO ARCHITECT'S PLAN FOR DETAILS.
- 11) SITE WALL/FENCE PER ARCHITECT'S PLANS.
- 12) INSTALL DRAINWAY ENTRANCE TYPE II PER C.O.P. STD. DETAIL P-1252-2.
- 13) SAWCUT AND REMOVE AC PAVEMENT, PAVEMENT REPAIR, PATCHES PER M.A.G. STD. DETAIL 2-1230 AND CITY OF PHOENIX SUPPLEMENT SECTION 336 AND CITY OF PHOENIX DETAIL P1200 TYPE 1 CURB AND GUTTER REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL SECTION, PER M.A.G. STANDARD DETAIL 222, SIDEWALK REPLACEMENT SHALL BE A MINIMUM OF ONE (1) FULL PANEL PER CITY OF PHOENIX DETAIL P1230. AT THE DISCRETION OF CITY OF PHOENIX PLANNING AND DEVELOPMENT/CITY SITE INSPECTOR, TUNNELING UNDER CURBS AND GUTTERS IN CITY OF PHOENIX SHALL BE ALLOWED. TUNNELING UNDER EXISTING SIDEWALK WILL NOT BE ALLOWED IN THE CITY OF PHOENIX ROW.
- 14) REMOVE EXISTING CURB AND GUTTER.
- 15) INSTALL RIP-RAP D = 6" DEPTH=18" PER M.A.G. SPEC. SECTION 220 OVER GEOSYNTHETIC FABRIC PER M.A.G. SPEC. SECTION 706.
- 16) INSTALL 12.5" OPENING SLOPPER PER M.A.G. STD. DETAIL 203.
- 17) INSTALL HOPE STORM DRAIN 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 CATCH BASIN PER C.O.P. S150 (N).
- 23) INSTALL MAXWELL P15 DRYWELL PER DETAIL ON SHEET C102 AND PER MANUFACTURER'S SPECIFICATIONS. REFER SHOWN ON PLAN AT 11.17' ABOVE BOTTOM OF RETENTION WALL.
- 24) PLAY FIELDS MUST BE FIRM GRADED, 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.

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Project No. 17129	Date 12/14/2017	Sheet No. C106
Project Manager D. LAREDO, P.E.		Project Engineer M. WOLF, P.E.



HUBBARD
ENGINEERING
www.hubbardengineering.com
1201 S. Alma School Rd., Ste. 12000 - Mesa, AZ 85210
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	

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FOR
CONSTRUCTION

WDA 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, L.L.C.

Sheet No.
C106

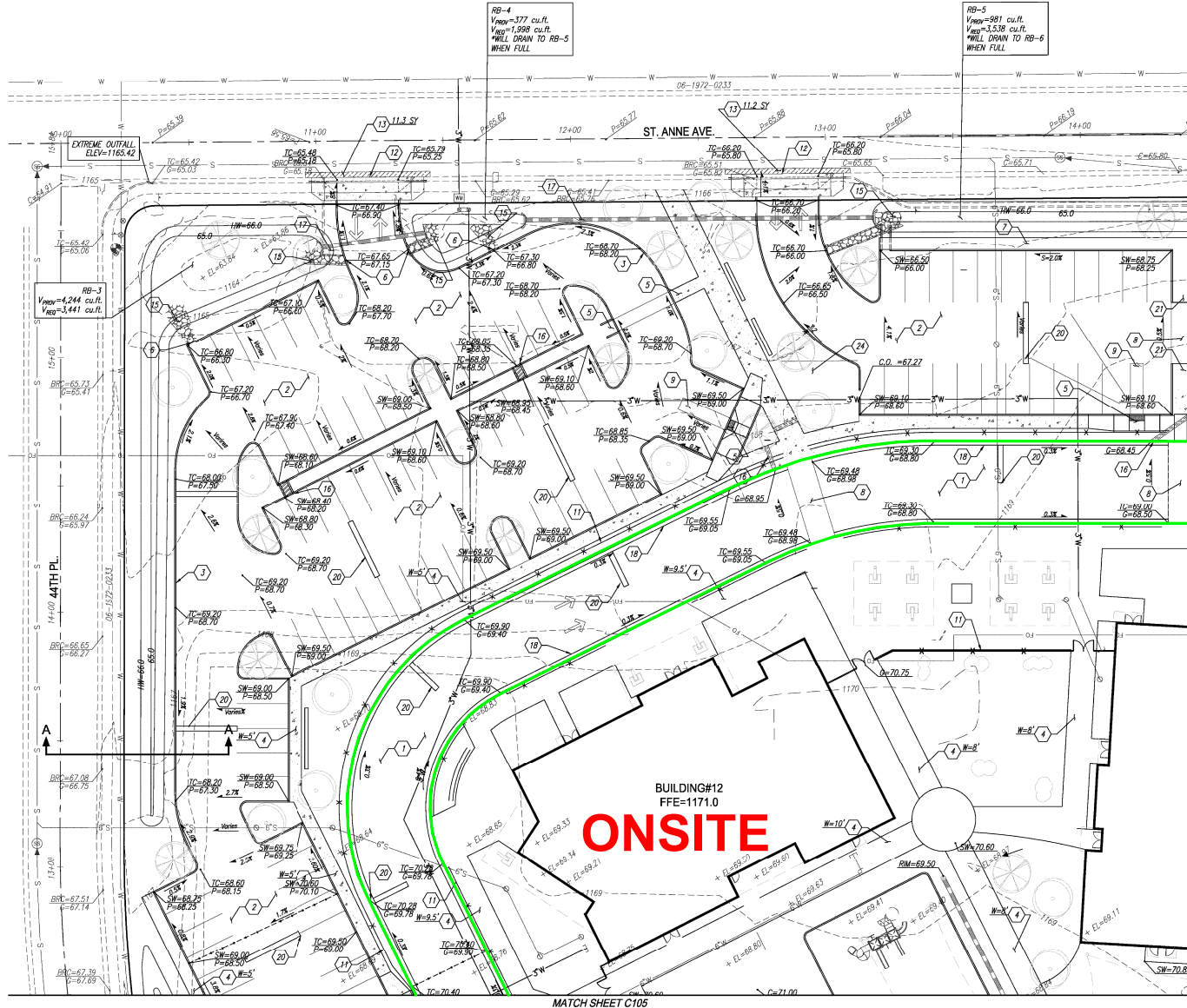
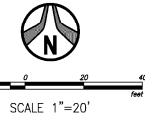
PAPP#1705053 KIVA#17-3110

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN

■ Curb & Gutter per MAG 220-1A - 892 LF



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 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-1230-4.
 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/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 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 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 DOWELL 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. 1705053
Drawn DL
Checked MSB
Date 11/18/17
Revised

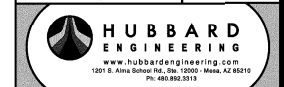
FOR CONSTRUCTION

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

HDA ARCHITECTS, LLC
KIVA#17-3110



Project No. 17129	Date 12/14/2017	Sheet No. C104
Project Manager D. LAREDO, P.E.	Project Engineer M. WOLF, P.E.	



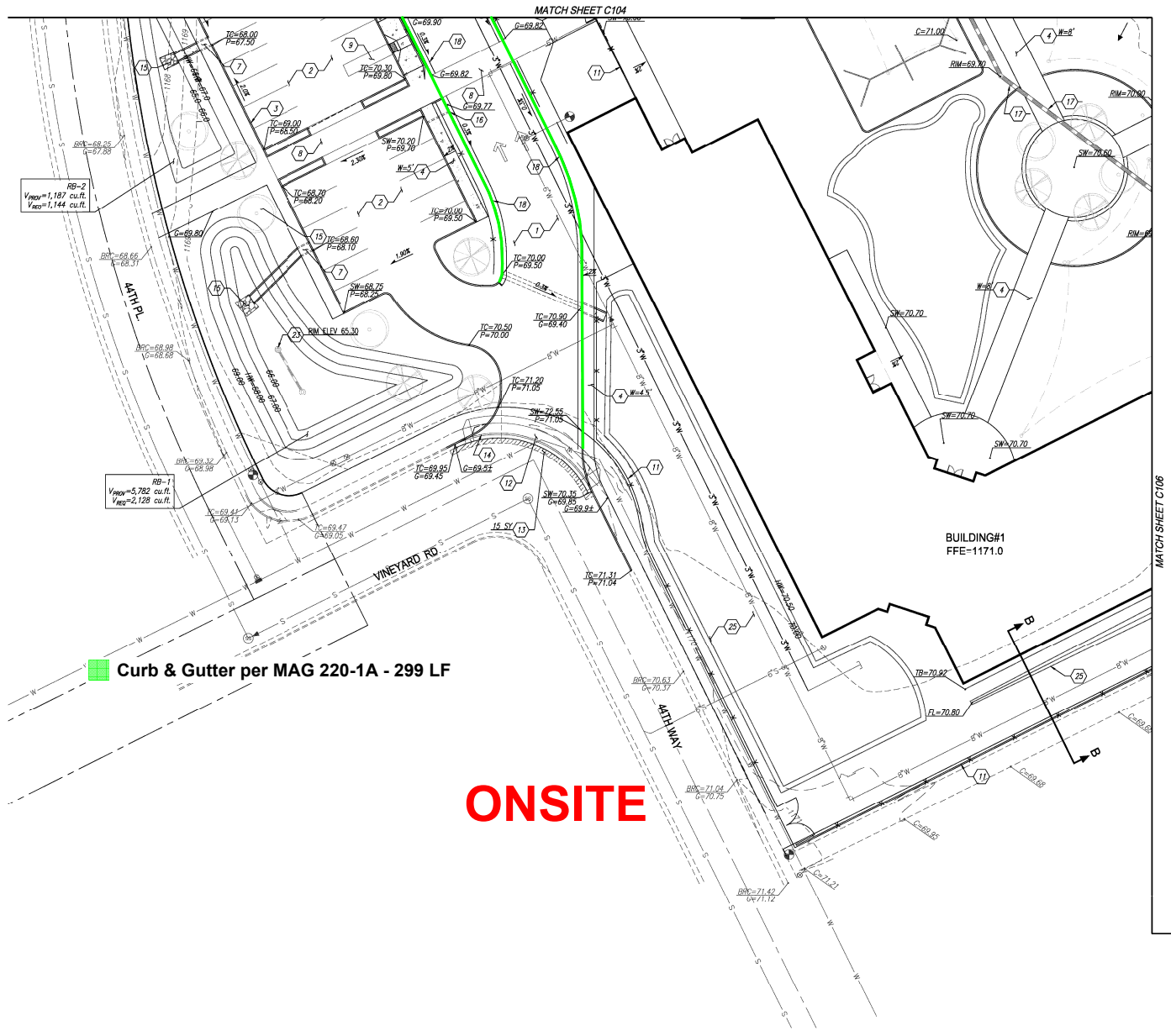
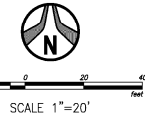
Sheet No.
C104

PAPP#1705053

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 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/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.

ONSITE

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
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Date 11/18/17
Revised

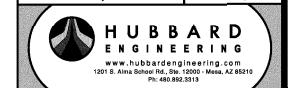
FOR CONSTRUCTION

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TEL: (480) 539 8800 FAX: (480) 539 8608
GRADING PLAN

HDA
HDA ARCHITECTS, LLC.



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

- Civil 1-17-18.pdf (11) (30% of Scale); Takeoff in Active Area: All Areas; Nevitt GMP; OST Sample Projects v2; 4/27/2018 08:31 AM

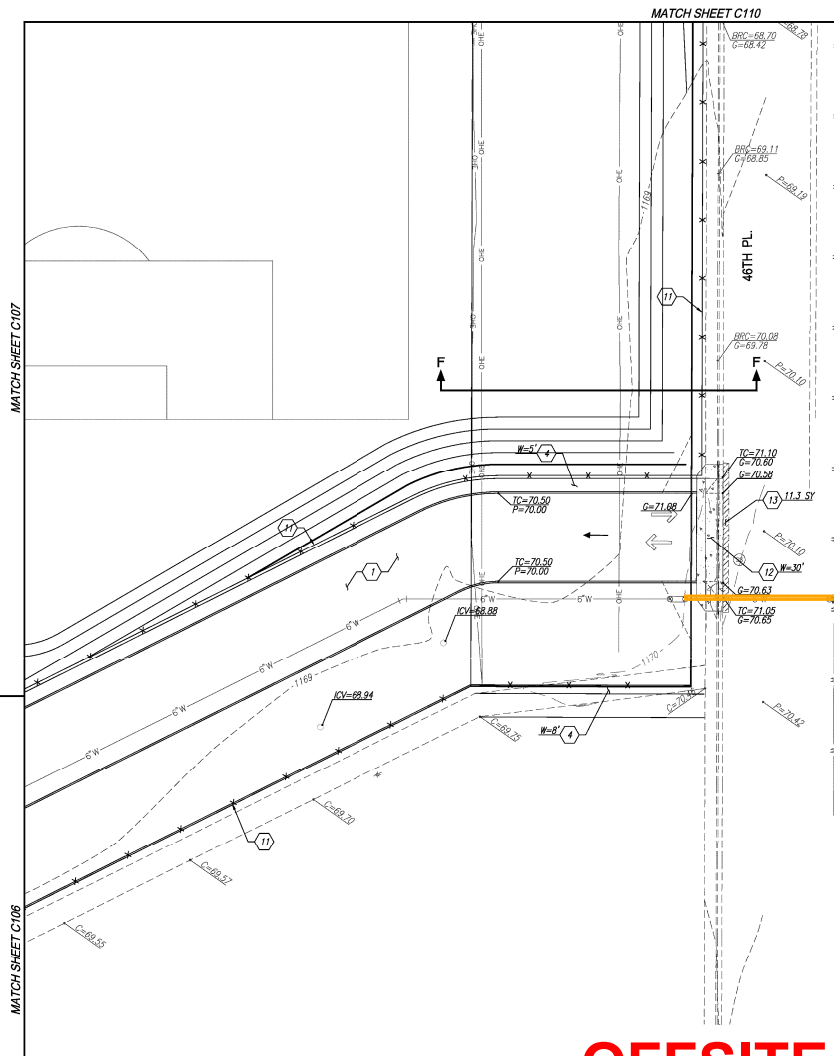
NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



SCALE 1"=20'



OFFSITE

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 8 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 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 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 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 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 C107 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. UNDO.

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 MSH
Date 11/18/17
Revised

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CONSTRUCTION

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



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602.263.1100

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 <small>1201 S. Anna Street Rd., Box 10050 - Mesa, AZ 85209 PH: 480.892.3313</small>		

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

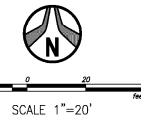
Sheet No.
C109

PAPP#1705053 KVA#17-3110

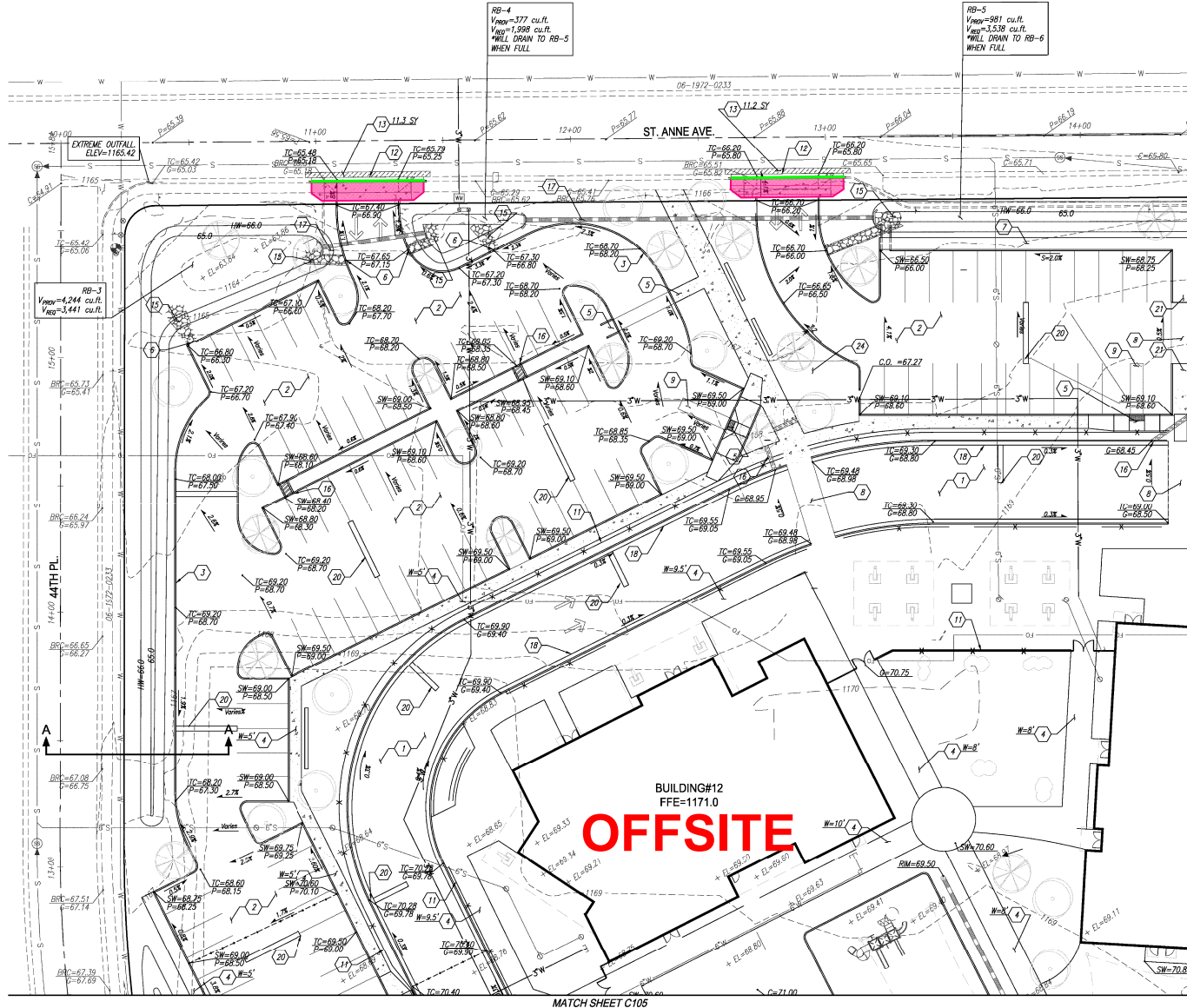
NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



- Curb & Gutter per MAG 220 - OFF SITE - 88 LF
- Driveway per COP P-1255-2 - OFF SITE - 659 SF



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 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-1230-4.
 - (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/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 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 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 DOWELL 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. 1705053
Drawn: DL
Checked: MSL
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

HDA ARCHITECTS, LLC
KIVA#17-3110

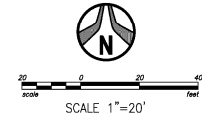
Project No.	17129	Date	12/14/2017	Sheet No.	C104
Project Manager	D. LAREDO, P.E.	Project Engineer	M. WOLF, P.E.		
 HUBBARD ENGINEERING <small>www.hubbardengineering.com 1201 S. Alma School Rd., Ste. 1000 - Mesa, AZ 85205 PH: 480.882.3313</small>					

Sheet No.
C104

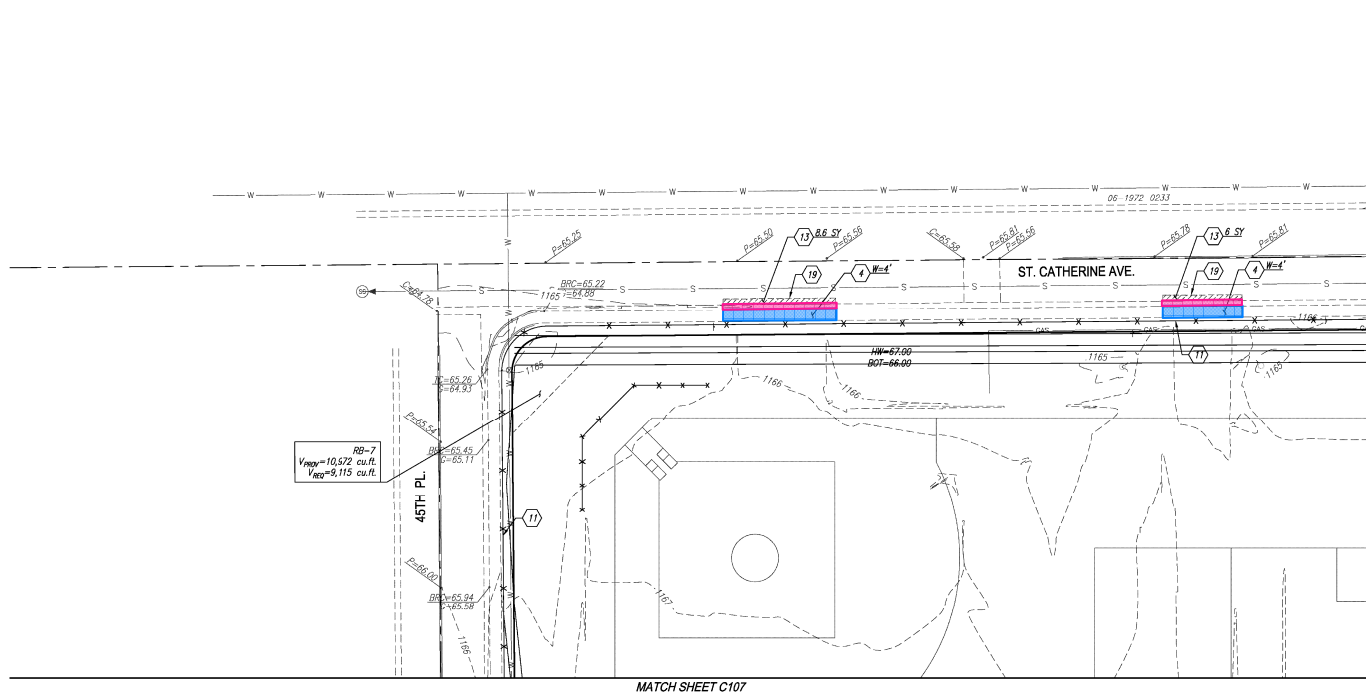
NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



- City Sidewalk COP P1230 - OFF SITE - 262 SF
- Roll Curb MAG 220-1C - OFF SITE - 66 LF



OFFSITE

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-1255-2.
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 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 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 HOPE 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 C107 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. UNDO.

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. 13708
Drawn DL
Checked MSN
Date 11/18/17
Revised

FOR CONSTRUCTION

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

HDA ARCHITECTS, LLC
KIVA #17-3110



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. Alma School Rd., Ste. 1000 - Mesa, AZ 85210 PH: 480.892.3313		

Sheet No.
C108

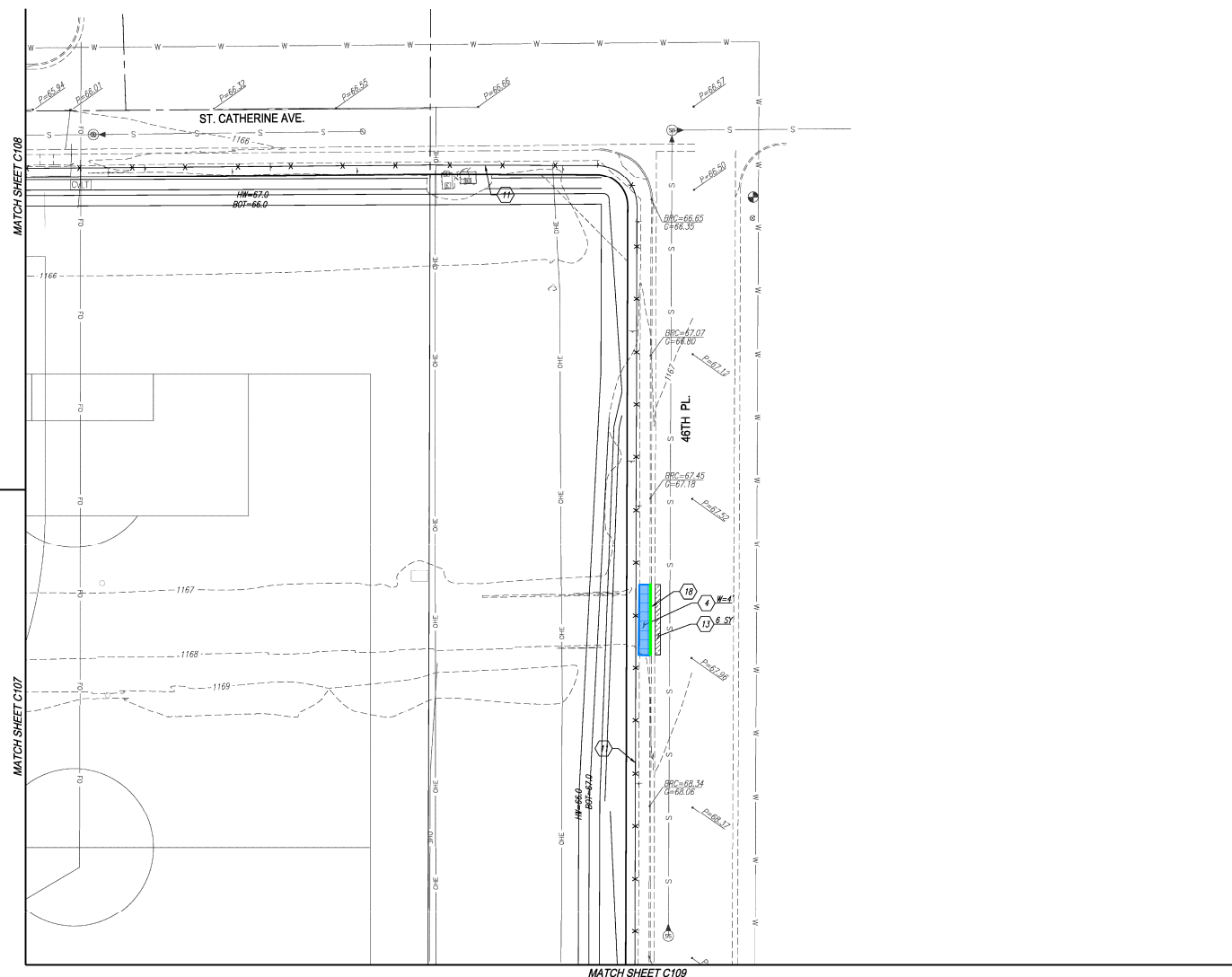
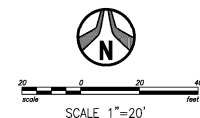
- Add #2 - C109 (30% of Scale); Takeoff in Active Area: Site Work - Phase 1 - Adj Ways; Nevitt Elementary School; OST Sample Projects v2; 4/27/2018 08:48 AM

- City Sidewalk COP P1230 - OFF SITE - 112 SF
- Curb & Gutter per MAG 220 - OFF SITE - 27 LF

NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

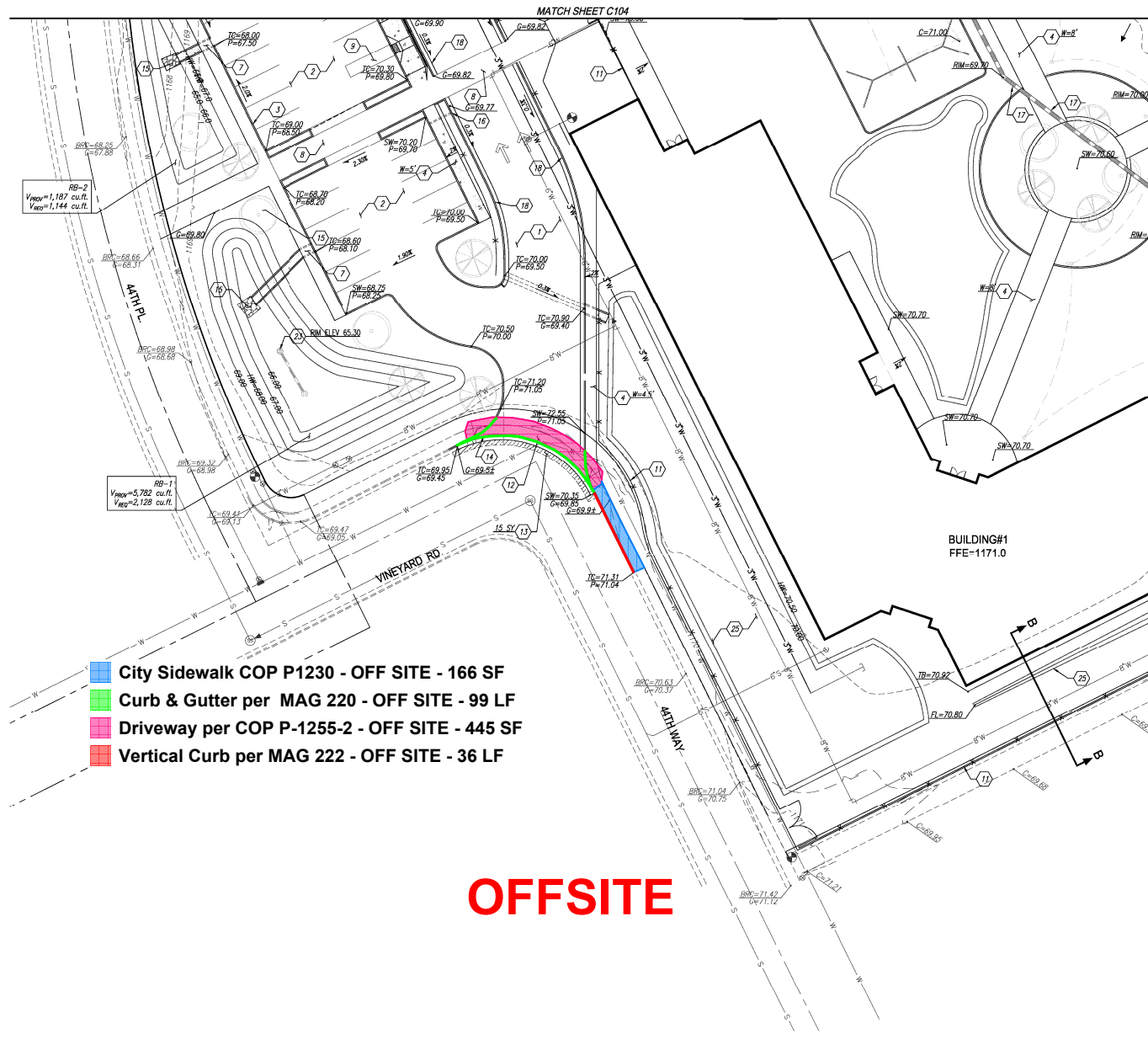
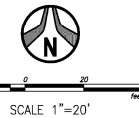
GRADING PLAN



NEVITT ELEMENTARY SCHOOL

PHOENIX, AZ. 85042

GRADING PLAN



- City Sidewalk COP P1230 - OFF SITE - 166 SF
- Curb & Gutter per MAG 220 - OFF SITE - 99 LF
- Driveway per COP P-1255-2 - OFF SITE - 445 SF
- Vertical Curb per MAG 222 - OFF SITE - 36 LF

OFFSITE

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 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/CITE 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.
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 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



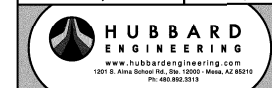
Job No. 17008
Drawn DL
Checked MWM
Date 11/18/17
Revised

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.	



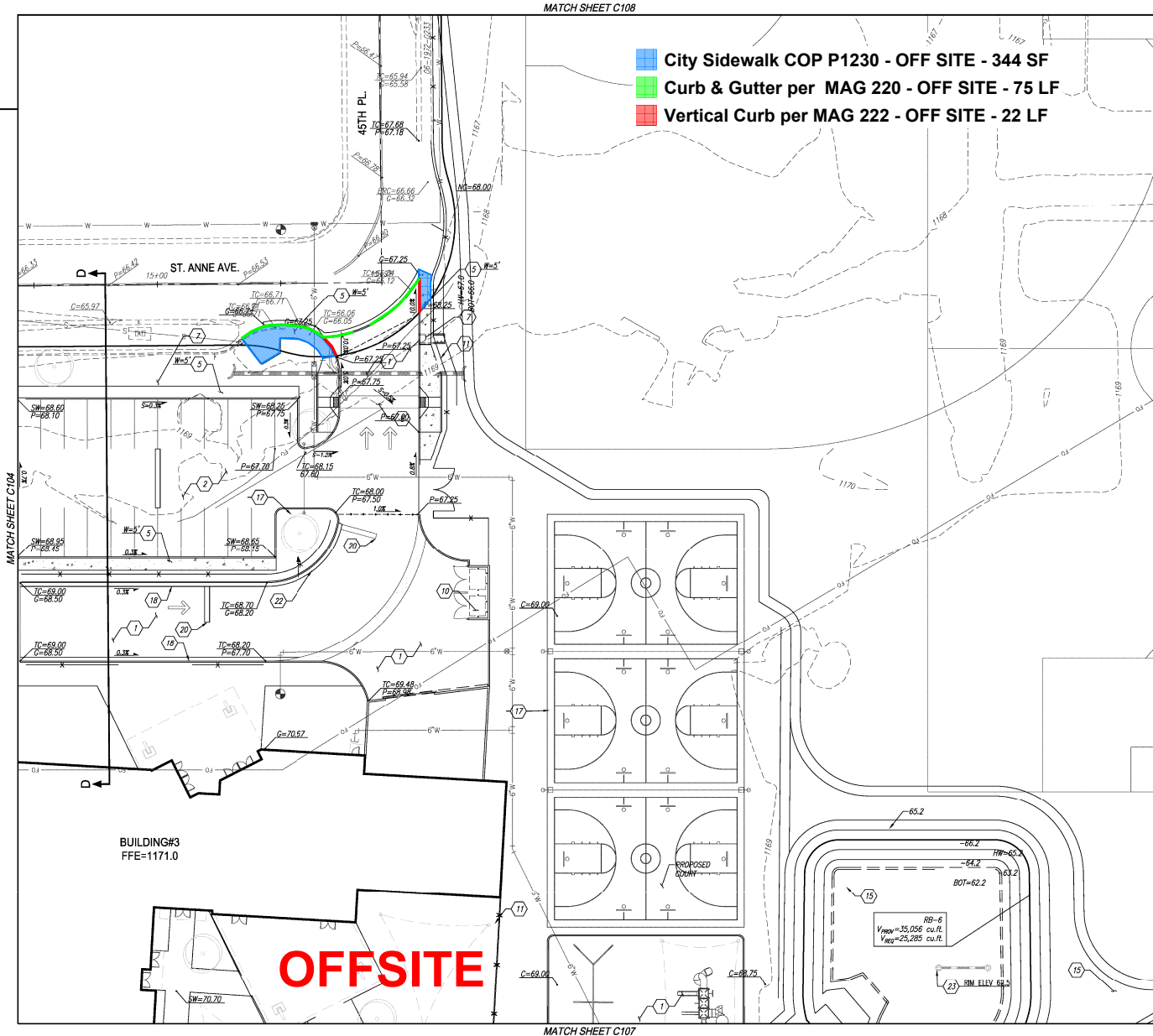
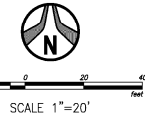
Sheet No.
C105

PAPP#1705053 KIVA#17-3110

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-1250-2.
 - (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 PAVEMENT 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.
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 - (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 '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

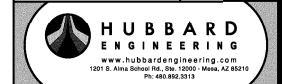
DREAMAR
SET

HDA ARCHITECTS, LLC.
459 N. Gilbert Road, Suite C-200, 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.	



Sheet No.
C107