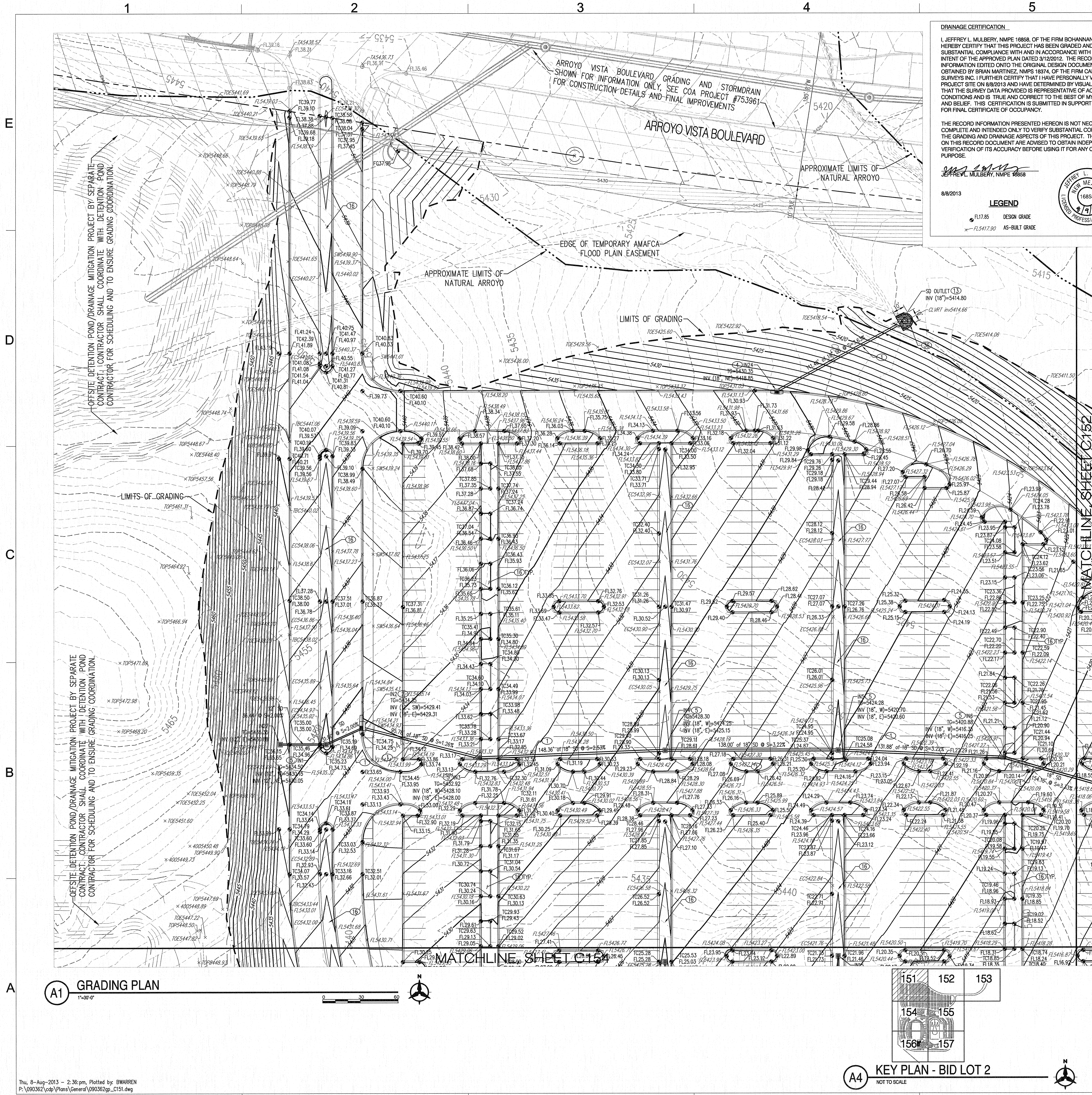




DRAINAGE CERTIFICATION

I, JEFFREY L. MULBERRY, NMPE 16858, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 3/12/2012. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18374, OF THE FIRM CARTESIAN SURVEYS INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8/8/2013 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATE OF OCCUPANCY.

8/8/2013

LEGEND

FL17.85 DESIGN GRADE
FL5417.90 AS-BUILT GRADE

JEFFREY L. MULBERRY
NEW MEXICO
16858
REGISTERED PROFESSIONAL

- GRADING KEYED NOTES**
- INSTALL SD PIPE; HDPE N-12WT OR APPROVED EQUAL. SIZES PER PLAN.
 - INSTALL SINGLE COA TYPE 'A' STORM DRAIN INLET PER COA STD DWG 2201.
 - INSTALL DOUBLE COA TYPE 'A' STORM DRAIN INLET WITH DOUBLE WINGS PER COA STD DWG 2205.
 - INSTALL SINGLE COA TYPE 'C' STORM DRAIN INLET PER COA STD DWG 2205.
 - INSTALL COA TYPE 'D' STORM DRAIN INLET (OR APPROVED EQUAL) PER COA STD DWG 2206.
 - INSTALL DOUBLE COA TYPE 'D' STORM DRAIN INLET (OR APPROVED EQUAL) PER COA STD DWG 2206.
 - INSTALL 12" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
 - INSTALL 24" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
 - INSTALL 30" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
 - INSTALL 4" STORMDRAIN MANHOLE PER COA STD DWG 2102.
 - INSTALL 6" STORMDRAIN MANHOLE PER COA STD DWG 2102.
 - INSTALL PREFABRICATED DRAINAGE FITTING.
 - INSTALL CMP END SECTION (CONTECH OR APPROVED EQUAL). SEE PLANS FOR SIZES. INSTALL WITH 2' CUT-OFF WALL PER DETAIL C-193.
 - INSTALL SD PIPE; RCP III OR APPROVED EQUAL. SIZES PER PLAN.
 - INSTALL 2' CUT-OFF WALL PER DETAIL B1, SHEET C-193.
 - DESIGNATED WATER QUALITY FEATURE AREA. SEE LANDSCAPE PLANS FOR EROSION PROTECTION AND DETAILS.
 - INSTALL 2' CURB OPENING PER DETAIL A1, SHEET C-193.
 - INSTALL 24"x24" PEDESTRIAN RATED GRATE AT UPSTREAM END OF SIDEWALK CULVERT. CONTRACTOR SHALL VERIFY ROOF DRAINS FALL WITHIN GRATE OPENING.
 - INSTALL SINGLE 24" SIDEWALK CULVERT PER COA STD DWG 2236.
 - INSTALL CONCRETE RIBBON CHANNEL PER DETAIL E1, SHEET C-193.
 - INSTALL RIP RAP/BASALT BLANKET (DIMENSIONS PER PLAN) PER DETAIL D1, SHEET C-193.
 - CONNECT TO FIELD DRAINAGE PIPE. SEE LANDSCAPE PLAN FOR CONTINUATION AND DETAILS.
 - CONSTRUCT RETAINING WALL PER STRUCTURAL PLANS, SHEET S-601.
 - INSTALL 6" WEEP HOLE, INVERT TO MATCH FINISHED GRADE.
 - SLOPE PROTECTION; SEE LANDSCAPE PLANS FOR DETAILS.
 - SEE LANDSCAPE PLAN & DETAIL B1/CA504 FOR FINISHED GRADE DETAILS WITHIN PLANTERS.
 - SEE LANDSCAPE PLAN FOR PLAYING FIELD DRAINAGE SYSTEM DETAILS, SHEET LS101.
 - SEE ARCHITECTURAL PLAN FOR FOOTBALL FIELD TRENCH DRAIN DETAILS, SHEET CA504.
 - CONNECT TO FOOTBALL STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112 & AB115 FOR CONTINUATION AND DETAILS.
 - CONNECT TO TRACK & FIELD STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112, AB117, AB118, & AB119 FOR CONTINUATION AND DETAILS.
 - CONNECT TO FIELD DRAINAGE PIPE. SEE LANDSCAPE SHEET LS101 FOR CONTINUATION AND DETAILS.
 - CONNECT TO FOOTBALL FIELD TRENCH DRAIN. SEE ARCHITECTURAL SHEET CA504 FOR CONTINUATION AND DETAILS.
 - CONNECT TO TRACK & FIELD TRENCH DRAIN. SEE LANDSCAPE SHEET LS152 & LS501 FOR CONTINUATION AND DETAILS.
 - INSTALL EARTHEN DIVERSION BERM PER DETAIL A3, SHEET C-193.
 - INSTALL RCP END SECTION.
 - INSTALL RIP-RAP EROSION CONTROL PER DETAIL, SHEET C-190. SEE PLAN FOR DIMENSIONS.
 - INSTALL 6" WATER QUALITY MANHOLE PER AMAFCA STD DTL 301 & 302, SHEET C-193.

LEGEND

--- PROPERTY LINE
--- PROJECT LIMITS OF GRADING
--- EXISTING INDEX CONTOUR
--- EXISTING INTERMEDIATE CONTOUR
--- EXISTING GROUND ELEVATION
--- PROPOSED GROUND ELEVATION
--- FLOW LINE, TO-TOP OF CURB
--- TS-TOP OF SIDEWALK, TO-TOP OF GRATE
--- FGH=FINISH GROUND HIGH SIDE, FGL=FINISH GROUND LOW SIDE
--- DIRECTION OF FLOW
--- GRADE BREAK/WATER BLOCK
--- PROPOSED INDEX CONTOUR
--- PROPOSED INTERMEDIATE CONTOUR
--- PROPOSED CURB & GUTTER
--- PROPOSED STORM DRAIN LINE
--- PROPOSED STORM DRAIN MANHOLE
--- PROPOSED STORM DRAIN INLETS

SMPCArchitects
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Huston**

JEFFREY L. MULBERRY
NEW MEXICO
16858
REGISTERED PROFESSIONAL

**ALBUQUERQUE
PUBLIC SCHOOLS**

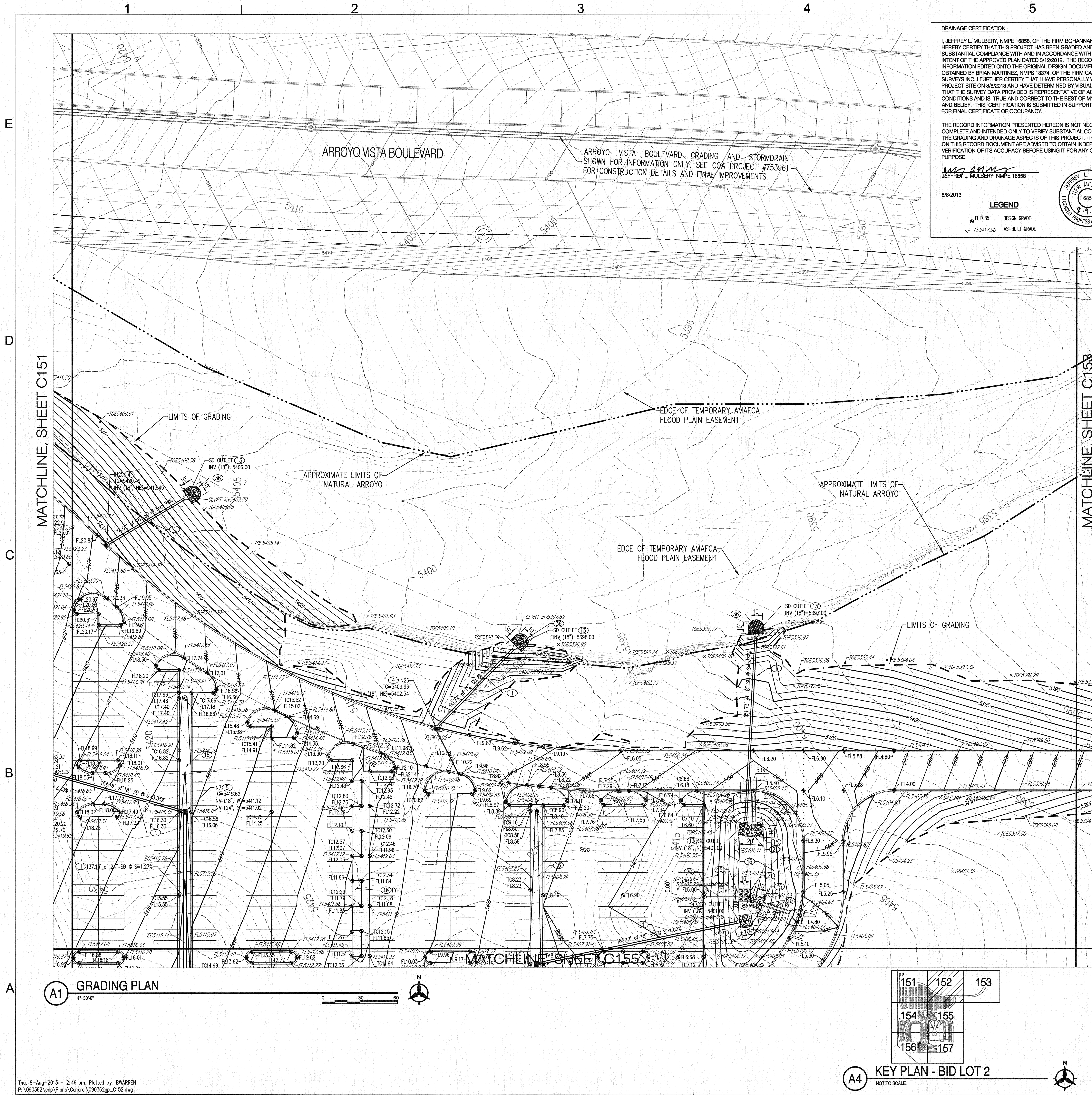
**APS
COMMUNITY
STADIUM**

ARROYO VISTA BLVD.,
NW
ALBUQUERQUE, NM

**BID LOT 2
GRADING PLAN**

C-151
SHEET OF

NO	DATE	DESCRIPTION
1	12/20/2011	HOLDINGS REVISIONS ISSUED WITH ADDENDUMS 1-4
2	12/20/2011	DECEMBER 20, 2011
3	11/09	PROJECT #:
4	BHW	DRAWN BY:
5	JLM	CHD BY:
6		COPYRIGHT: SMPC ARCHITECTS © 2010
7		THESE DOCUMENTS WERE PREPARED FOR THIS SPECIFIC PROJECT ONLY. SMPC ARCHITECTS' LIABILITY IS LIMITED TO THIS SPECIFIC PROJECT, AND DOES NOT EXTEND TO REUSE OF THESE DOCUMENTS FOR OTHER PROJECTS
8		SHEET TITLE



DRAINAGE CERTIFICATION

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8/8/2013

LEGEND

FL17.85 DESIGN GRADE
x FL5417.90 AS-BUILT GRADE

JEFFREY L. MULBERRY
18858
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

- GRADING KEYED NOTES**
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 2. INSTALL SINGLE COA TYPE 'A' STORM DRAIN INLET PER COA STD DWG 2201.
 3. INSTALL DOUBLE COA TYPE 'A' STORM DRAIN INLET WITH DOUBLE WINGS PER COA STD DWG 2205.
 4. INSTALL SINGLE COA TYPE 'C' STORM DRAIN INLET PER COA STD DWG 2205.
 5. INSTALL COA TYPE 'D' STORM DRAIN INLET (OR APPROVED EQUAL) PER COA STD DWG 2206.
 6. INSTALL DOUBLE COA TYPE 'D' STORM DRAIN INLET (OR APPROVED EQUAL) PER COA STD DWG 2206.
 7. INSTALL 12" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
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 9. INSTALL 30" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
 10. INSTALL 4" STORM DRAIN MANHOLE PER COA STD DWG 2102.
 11. INSTALL 6" STORM DRAIN MANHOLE PER COA STD DWG 2102.
 12. INSTALL PREFABRICATED DRAINAGE FITTING.
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 23. CONSTRUCT RETAINING WALL PER STRUCTURAL PLANS, SHEET S-601.
 24. INSTALL 6" WEEP HOLE, INVERT TO MATCH FINISHED GRADE.
 25. SLOPE PROTECTION; SEE LANDSCAPE PLANS FOR DETAILS.
 26. SEE LANDSCAPE PLAN & DETAIL B1/CA504 FOR FINISHED GRADE DETAILS WITHIN PLANTERS.
 27. SEE LANDSCAPE PLAN FOR PLAYING FIELD DRAINAGE SYSTEM DETAILS, SHEET LS101.
 28. SEE ARCHITECTURAL PLAN FOR FOOTBALL FIELD TRENCH DRAIN DETAILS, SHEET CA504.
 29. CONNECT TO FOOTBALL STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112 & AB115 FOR CONTINUATION AND DETAILS.
 30. CONNECT TO TRACK & FIELD STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112, AB117, AB118, & AB119 FOR CONTINUATION AND DETAILS.
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 34. INSTALL EARTHEN DIVERSION BERM PER DETAIL A3, SHEET C-193.
 35. INSTALL RCP END SECTION.
 36. INSTALL RIP-RAP EROSION CONTROL PER DETAIL, SHEET C-190. SEE PLAN FOR DIMENSIONS.
 37. INSTALL 6" WATER QUALITY MANHOLE PER AMAFCA STD DTL 301 & 302, SHEET C-193.

LEGEND

- PROPERTY LINE
- - - PROJECT LIMITS OF GRADING
- - - EXISTING INDEX CONTOUR
- - - EXISTING INTERMEDIATE CONTOUR
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- FL=FLOW LINE, TC=TOP OF CURB
- TS=TOP OF SIDEWALK, TG=TOP OF GRATE,
- FGL=FINISH GROUND HIGH SIDE,
- FGL=FINISH GROUND LOW SIDE
- DIRECTION OF FLOW
- GRADE BREAK/WATER BLOCK
- - - PROPOSED INDEX CONTOUR
- - - PROPOSED INTERMEDIATE CONTOUR
- PROPOSED CURB & GUTTER
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLETS

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Bohannon
Huston

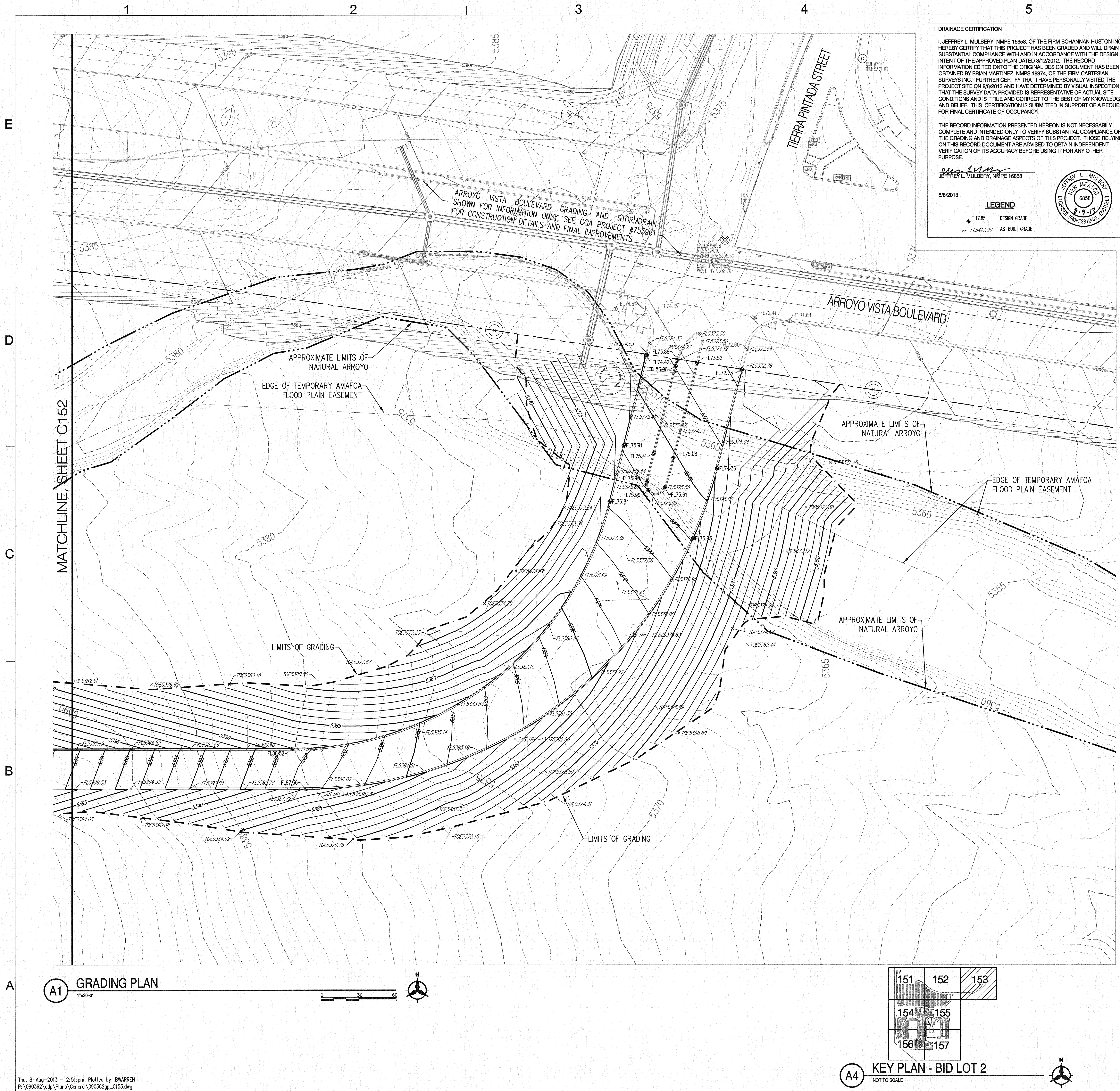
ALBUQUERQUE
PUBLIC SCHOOLS

APS
COMMUNITY
STADIUM

ARROYO VISTA BLVD.,
NW
ALBUQUERQUE, NM

BID LOT 2
GRADING PLAN

C-152
SHEET OF



DRAINAGE CERTIFICATION

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8/8/2013

LEGEND

FL 17.85 DESIGN GRADE
FL 5417.90 AS-BUILT GRADE

JEFFREY L. MULBERRY
16858
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
2-9-13

- GRADING KEYED NOTES**
1. INSTALL SD PIPE; HDPE N-12WT OR APPROVED EQUAL. SIZES PER PLAN.
 2. INSTALL SINGLE COA TYPE 'A' STORM DRAIN INLET PER COA STD DWG 2201.
 3. INSTALL DOUBLE COA TYPE 'A' STORM DRAIN INLET WITH DOUBLE WINGS PER COA STD DWG 2205.
 4. INSTALL SINGLE COA TYPE 'C' STORM DRAIN INLET PER COA STD DWG 2205.
 5. INSTALL COA TYPE 'D' STORM DRAIN INLET (OR APPROVED EQUAL) PER COA STD DWG 2206.
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 9. INSTALL 30" NYLOPLAST (OR APPROVED EQUAL) STORM BASIN INLET STRUCTURE W/ PEDESTRIAN RATED GRATE.
 10. INSTALL 4" STORM DRAIN MANHOLE PER COA STD DWG 2102.
 11. INSTALL 6" STORM DRAIN MANHOLE PER COA STD DWG 2102.
 12. INSTALL PREFABRICATED DRAINAGE FITTING.
 13. INSTALL CMP END SECTION (CONTECH OR APPROVED EQUAL). SEE PLANS FOR SIZES. INSTALL WITH 2' CUT-OFF WALL PER DETAIL C-193.
 14. INSTALL SD PIPE; RCP III OR APPROVED EQUAL. SIZES PER PLAN.
 15. INSTALL 2' CUT-OFF WALL PER DETAIL B1, SHEET C-193.
 16. DESIGNATED WATER QUALITY FEATURE AREA. SEE LANDSCAPE PLANS FOR EROSION PROTECTION AND DETAILS.
 17. INSTALL 2' CURB OPENING PER DETAIL A1, SHEET C-193.
 18. INSTALL 24"x24" PEDESTRIAN RATED GRATE AT UPSTREAM END OF SIDEWALK CULVERT. CONTRACTOR SHALL VERIFY ROOF DRAINS FALL WITHIN GRATE OPENING.
 19. INSTALL SINGLE 24" SIDEWALK CULVERT PER COA STD DWG 2236.
 20. INSTALL CONCRETE RIBBON CHANNEL PER DETAIL E1, SHEET C-193.
 21. INSTALL RIP RAP/BASALT BLANKET (DIMENSIONS PER PLAN) PER DETAIL D1, SHEET C-193.
 22. CONNECT TO FIELD DRAINAGE PIPE. SEE LANDSCAPE PLAN FOR CONTINUATION AND DETAILS.
 23. CONSTRUCT RETAINING WALL PER STRUCTURAL PLANS, SHEET S-601.
 24. INSTALL 6" WEEP HOLE, INVERT TO MATCH FINISHED GRADE.
 25. SLOPE PROTECTION; SEE LANDSCAPE PLANS FOR DETAILS.
 26. SEE LANDSCAPE PLAN & DETAIL B1/CA504 FOR FINISHED GRADE DETAILS WITHIN PLANTERS.
 27. SEE LANDSCAPE PLAN FOR PLAYING FIELD DRAINAGE SYSTEM DETAILS, SHEET LS101.
 28. SEE ARCHITECTURAL PLAN FOR FOOTBALL FIELD TRENCH DRAIN DETAILS, SHEET CA504.
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 33. CONNECT TO TRACK & FIELD TRENCH DRAIN. SEE LANDSCAPE SHEET LS152 & LS501 FOR CONTINUATION AND DETAILS.
 34. INSTALL EARTHEN DIVERSION BERM PER DETAIL A3, SHEET C-193.
 35. INSTALL RCP END SECTION.
 36. INSTALL RIP-RAP EROSION CONTROL PER DETAIL, SHEET C-190. SEE PLAN FOR DIMENSIONS.
 37. INSTALL 6" WATER QUALITY MANHOLE PER AMAFCA STD DTL 301 & 302, SHEET C-193.

LEGEND

---	PROPERTY LINE
---	PROJECT LIMITS OF GRADING
---	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
● 5024.25	EXISTING GROUND ELEVATION
● 24.75	PROPOSED GROUND ELEVATION
	FL=FLOW LINE, TC=TOP OF CURB
	TS=TOP OF SIDEWALK, TG=TOP OF GRATE,
	FGH=FINISH GROUND HIGH SIDE,
	FGL=FINISH GROUND LOW SIDE
S=2.0%	DIRECTION OF FLOW
+	GRADE BREAK/WATER BLOCK
---	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
---	PROPOSED CURB & GUTTER
---	PROPOSED STORM DRAIN LINE
○	PROPOSED STORM DRAIN MANHOLE
●	PROPOSED STORM DRAIN INLETS

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CONSULTANT

**Bohannon
Huston**

JEFFREY L. MULBERRY
16858
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REGISTERED PROFESSIONAL ENGINEER
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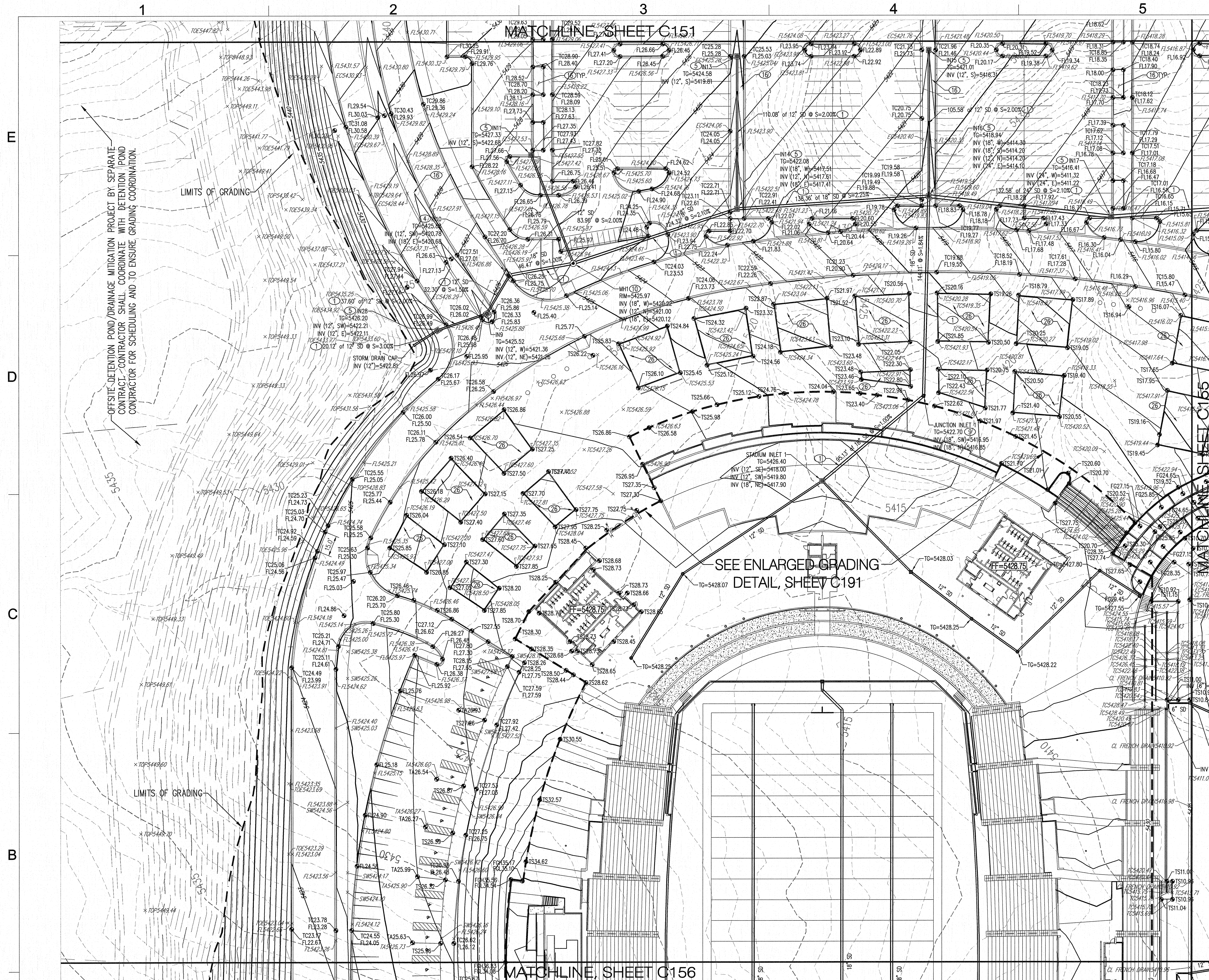
**ALBUQUERQUE
PUBLIC SCHOOLS**

**APS
COMMUNITY
STADIUM**

ARROYO VISTA BLVD.,
NW
ALBUQUERQUE, NM

**BID LOT 2
GRADING PLAN**

C-153
SHEET OF



A1 GRADING PLAN
1"=30'-0"

DRAINAGE CERTIFICATION

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8/8/2013

LEGEND

- FL17.85 DESIGN GRADE
- AS-BUILT GRADE

KEY PLAN - BID LOT 2
NOT TO SCALE

- GRADING KEYED NOTES**
- INSTALL SD PIPE; HDPE N-12WT OR APPROVED EQUAL. SIZES PER PLAN.
 - INSTALL SINGLE COA TYPE 'A' STORM DRAIN INLET PER COA STD DWG 2201.
 - INSTALL DOUBLE COA TYPE 'A' STORM DRAIN INLET WITH DOUBLE WINGS PER COA STD DWG 2205.
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 - SEE ARCHITECTURAL PLAN FOR FOOTBALL FIELD TRENCH DRAIN DETAILS, SHEET CA504.
 - CONNECT TO FOOTBALL STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112 & AB115 FOR CONTINUATION AND DETAILS.
 - CONNECT TO TRACK & FIELD STADIUM GRANDSTAND TRENCH DRAIN. SEE ARCHITECTURE SHEETS AB112, AB117, AB118, & AB119 FOR CONTINUATION AND DETAILS.
 - CONNECT TO FIELD DRAINAGE PIPE. SEE LANDSCAPE SHEET LS101 FOR CONTINUATION AND DETAILS.
 - CONNECT TO FOOTBALL FIELD TRENCH DRAIN. SEE ARCHITECTURAL SHEET CA504 FOR CONTINUATION AND DETAILS.
 - CONNECT TO TRACK & FIELD TRENCH DRAIN. SEE LANDSCAPE SHEET LS152 & LS501 FOR CONTINUATION AND DETAILS.
 - INSTALL EARTHEN DIVERSION BERM PER DETAIL A3, SHEET C-193.
 - INSTALL RCP END SECTION.
 - INSTALL RIP-RAP EROSION CONTROL PER DETAIL, SHEET C-190. SEE PLAN FOR DIMENSIONS.
 - INSTALL 6" WATER QUALITY MANHOLE PER AMAFCA STD DTL 301 & 302, SHEET C-193.

LEGEND

- PROPERTY LINE
- PROJECT LIMITS OF GRADING
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- DIRECTION OF FLOW
- GRADE BREAK/WATER BLOCK
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED CURB & GUTTER
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLETS

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NW
ALBUQUERQUE, NM**

**BID LOT 2
GRADING PLAN**

C-154
SHEET OF

NO	DATE	DESCRIPTION
1	12/20/2011	ISSUED REVISIONS REDDED WITH ADDENDUM 1 & 4
PROJECT #:	11009	
DRAWN BY:	BHW	
CHECKED BY:	JLM	
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SHEET TITLE		