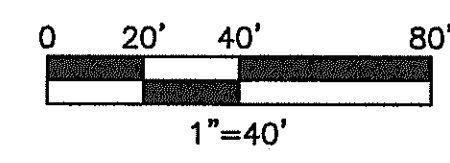


INDIAN SCHOOL ROAD N.E.

LOUISIANA BOULEVARD N.E.

UPTOWN LOOP ROAD N.E.



LEGEND	
— 5283 —	EXIST. CONTOUR
— 44 —	PROP. CONTOUR
5287.02	EXIST. SPOT ELEVATION
10.11	PROP. SPOT ELEVATION
12.13 TC	PROP. TOP OF CURB & GUTTER ELEVATION
12.00 TW	PROP. GRADE @ TOP OF WALL & PROP. GRADE @ BOTTOM OF WALL

CONSTRUCTION NOTES

① OPENING IN CURB & WALL FOR DRAINAGE.

REF. SHEET C6.3 FOR GRADING NOTES.

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON THE PLANS THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

LAWRENCE A. CATES & ASSOC., LLP, (THE "CONSULTANT") CONFIRMS TO TARGET THAT CONSULTANT HAS IDENTIFIED AND USED THE CURRENT VERSION OF ALL LOCAL, STATE, AND FEDERAL ACCESSIBILITY GUIDELINES FOR SITE ACCESSIBILITY AND IN THEIR PROFESSIONAL OPINION THE SITE HAS BEEN DESIGNED IN ACCORDANCE WITH, BUT NOT LIMITED TO, CITY, COUNTY AND STATE ACCESSIBILITY CODES AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), AS AMENDED.

LCA Lawrence A. Cates & Associates, LLP
Consulting Engineers
14800 Quorum Drive, Suite 200
Dallas, Texas 75254
Office: 972-385-2272 Fax: 972-980-1627

GRADING PLAN

TARGET ALBUQUERQUE UPTOWN (T-2813)
TRACT A-1, HUNT-SPECTRUM
THE CITY OF ALBUQUERQUE, NEW MEXICO

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

LCA PROJECT NO. 001-002 MAP NO. J-19-Z SHEET C6.1



AS BUILT INFORMATION			BENCHMARKS			SURVEY INFORMATION			ENGINEERS SEAL		
CONTRACTOR	DATE	WORK BY	ALBUQUERQUE CONTROL SURVEY BENCHMARK "20-H18"	DATE	BY	NO.	DATE	BY	 02-07-12		
WORK BY	DATE	ACCEPTANCE BY	NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE - NAD 83)	DATE	BY						
ACCEPTANCE BY	DATE	VERIFICATION BY	LOCATED IN THE MEDIAN OF LOUISIANA BOULEVARD ON THE SOUTH SIDE OF ITS INTERSECTION WITH UPTOWN BOULEVARD N.E., APPROXIMATELY 625 FEET NORTH OF THE CENTERLINE OF INDIAN SCHOOL ROAD N.E.	DATE	BY						
VERIFICATION BY	DATE	DRAWING BY	SCHOOL ROAD N.E.	DATE	BY						
DRAWING BY	DATE	RECORDED BY	NORTHING: 1493154.978						REVISIONS	DESIGN	
RECORDED BY	DATE	NO.	EASTING: 1545048.210						NO.	DATE	
			ELEVATION: 5283.222 (NAVD 1983)						DESIGNED BY	LCA	DATE 12.09.11
									DRAWN BY	LCA	DATE 12.09.11
									CHECKED BY	LCA	DATE 12.09.11

TRACT 1-D-1A-1
PARK SQUARE ADDITION
FILED MARCH 21, 1990 IN
PLAT BOOK 90C, PAGE 82

TRACT 1-E-1A-1
PARK SQUARE ADDITION
FILED AUGUST 8, 1990 IN
PLAT BOOK 90C, PAGE 190

TRACT 1-H-1A

TRACT 1-F
PARK SQUARE ADDITION
FILED AUGUST 8, 1990 IN
PLAT BOOK 90C, PAGE 180

TRACT B
HUNT-SPECTRUM
DEVELOPMENT SITE
FILED AUGUST 2, 2004 IN
PLAT BOOK 2004C, PAGE 226

PARCEL A-1-A
WINROCK CENTER ADDITION
FILED OCTOBER 28, 1996 IN
PLAT BOOK 96C, PAGE 446

CONSTRUCT 136 L.F. VARIABLE
HT. RETAINING WALL W/ SCREEN WALL
PER CASE 3, SHT. C6.4

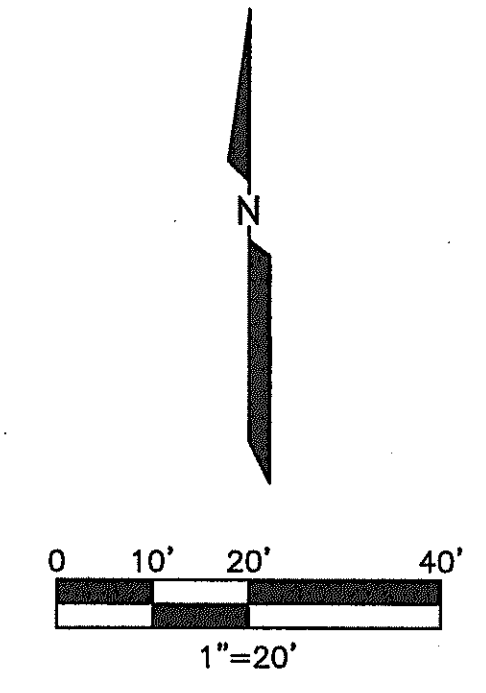
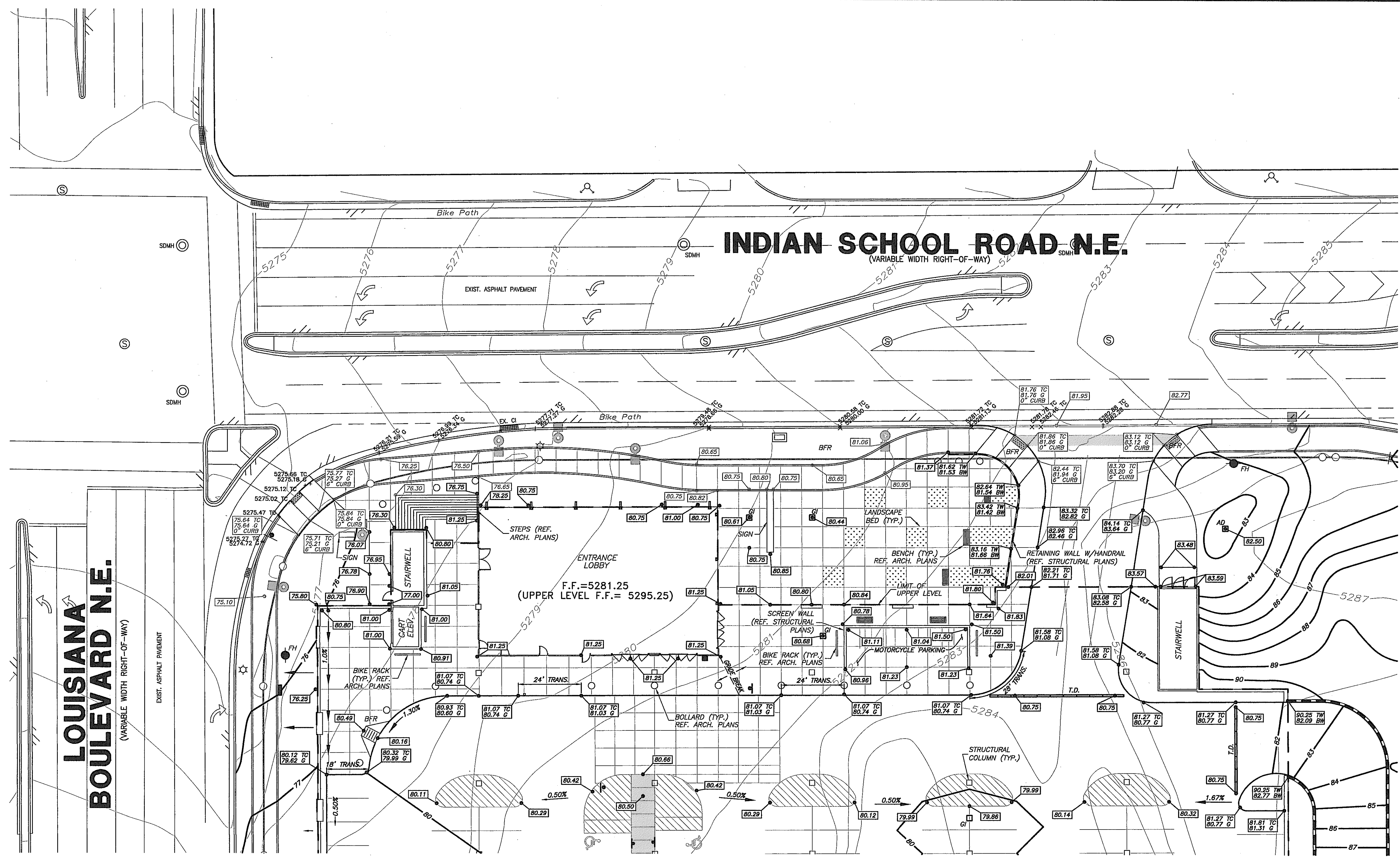
CONSTRUCT 32 L.F. VARIABLE
HT. RETAINING WALL W/ SCREEN WALL
PER CASE 1, SHT. C6.4

CONSTRUCT 84 L.F. VARIABLE
HT. RETAINING WALL W/ SCREEN WALL
PER CASE 1, SHT. C6.4

F.F. 5295.25

F.F. 5281.25
(UPPER LEVEL)
F.F. 5295.25

\\PWS001\000\DWG\0001\002\GRADING\PLAN\PLA 19\0212 19\0511.AIA.11



LEGEND	
— 5283 —	EXIST. CONTOUR
— 84 —	PROP. CONTOUR
5287.02	EXIST. SPOT ELEVATION
+ TC	
80.71	PROP. SPOT ELEVATION
82.13 TC	PROP. TOP OF CURB & GUTTER ELEVATION
81.83 G	
82.00 TW	PROP. TOP OF WALL & PROP. GRADE @ BOTTOM OF WALL
82.13 TC	PROP. TOP OF CURB & GUTTER ELEVATION (REF. OFF-SITE PLANS)
81.83 G	

LOUISIANA BOULEVARD N.E.
(VARIABLE WIDTH RIGHT-OF-WAY)

INDIAN SCHOOL ROAD N.E.
(VARIABLE WIDTH RIGHT-OF-WAY)

AS BUILT INFORMATION		BENCHMARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	DATE	ALBUQUERQUE CONTROL SURVEY BENCHMARK "20-H18"	DATE	NO.	BY			NO.	DATE	LOA	DATE	LOA	DATE	LOA	DATE
WORKS BY	DATE	NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-NAD 83)	DATE												
INSPECTION BY	DATE	LOCATED IN THE MEDIAN OF LOUISIANA BOULEVARD ON THE SOUTH SIDE OF ITS INTERSECTION WITH UPTOWN BOULEVARD N.E., APPROXIMATELY 625 FEET NORTH OF THE CENTERLINE OF INDIAN SCHOOL ROAD N.E.	DATE												
VERIFICATION BY	DATE		DATE												
DRAWINGS CORRECTED BY	DATE		DATE												
MICRO-FILM INFORMATION	DATE		DATE												
RECORDED BY	DATE		DATE												
NO.															

REF. SHEET C6.3 FOR GRADING NOTES.

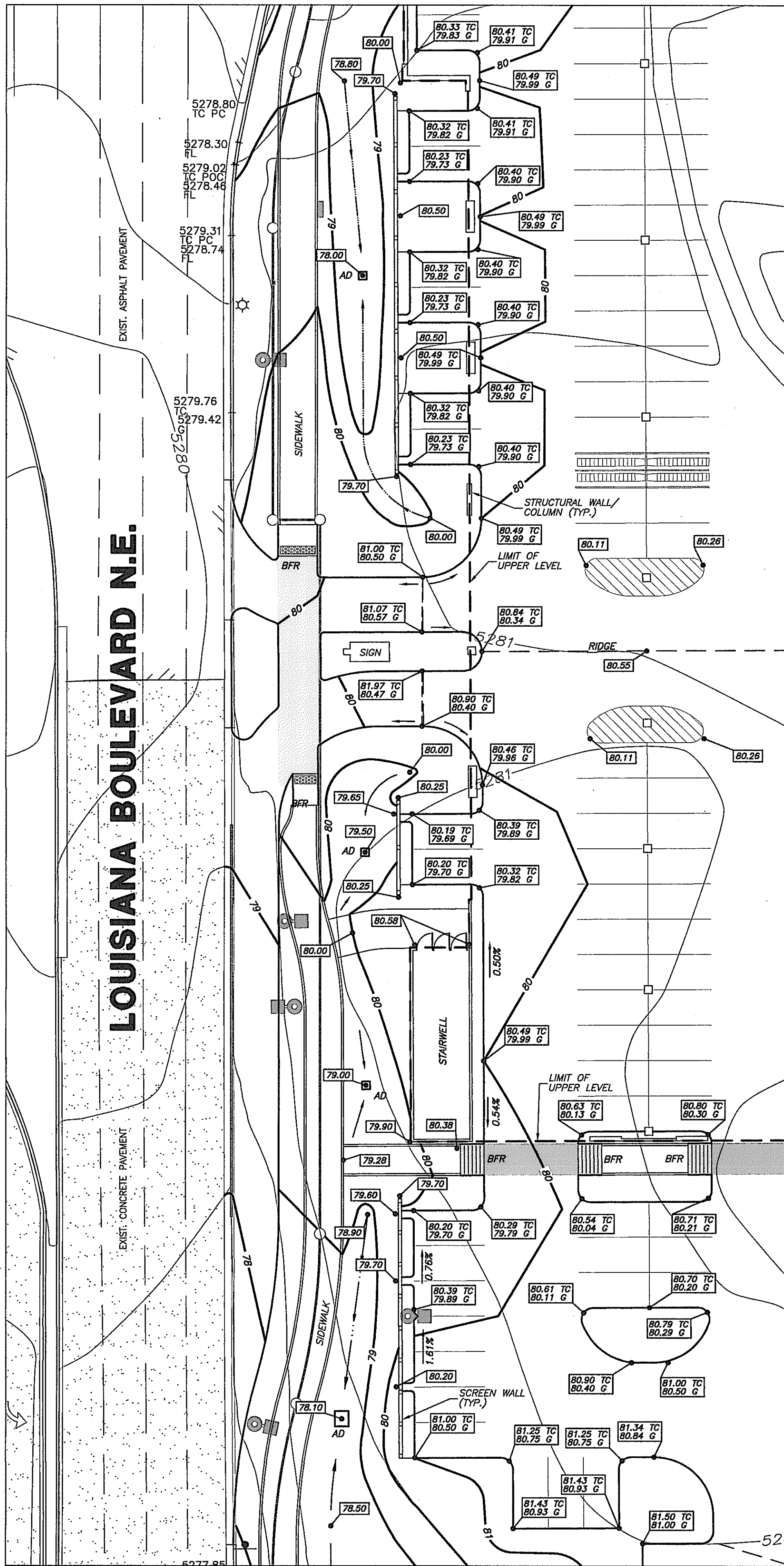
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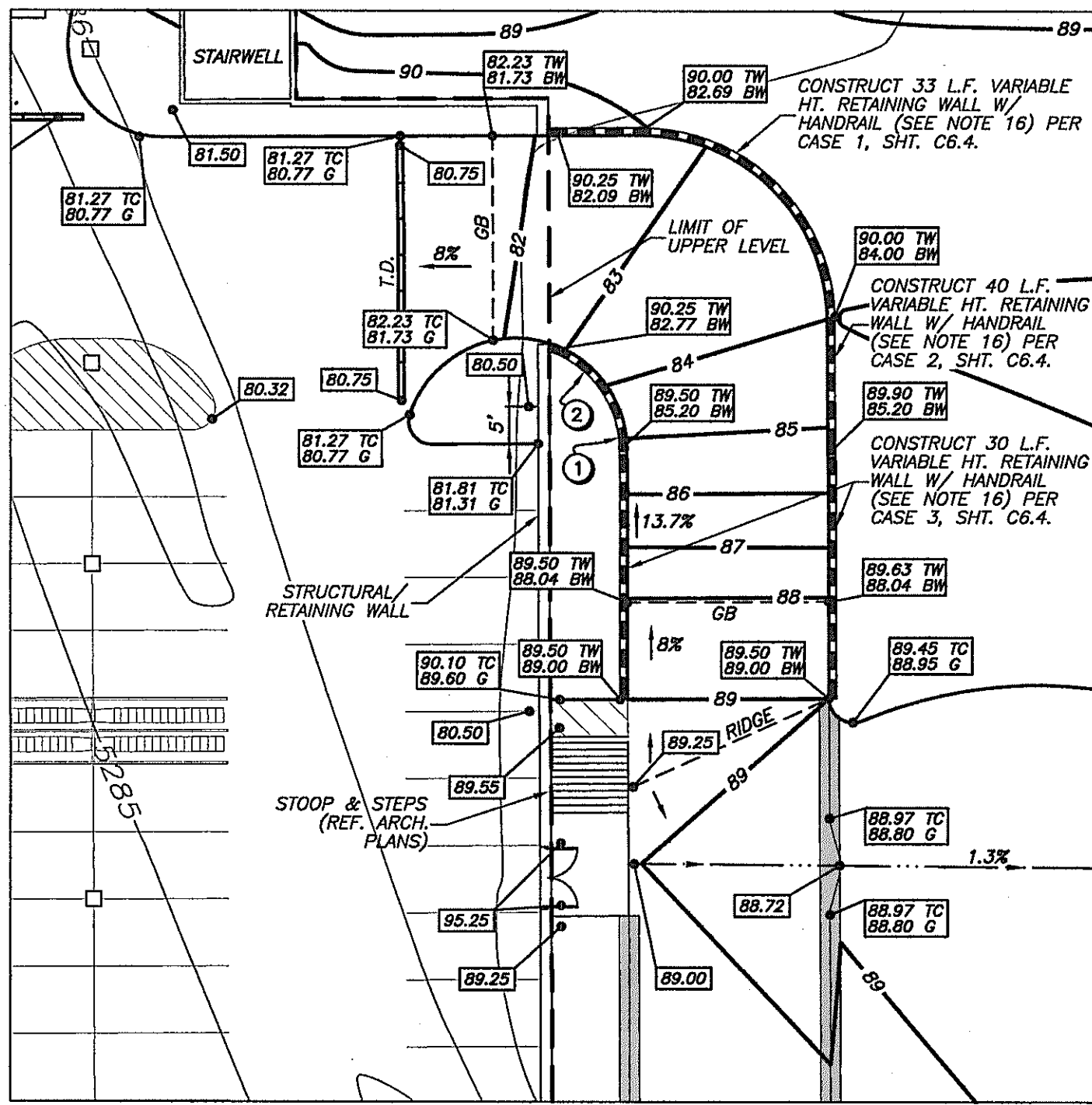
LCA Lawrence A. Cates & Associates, LLP
Consulting Engineers
14800 Quorum Drive, Suite 200
Dallas, Texas 75254
Office: 972-385-2272 Fax: 972-980-1627

PLAZA AREA GRADING PLAN					
TARGET ALBUQUERQUE UPTOWN (T-2813) TRACT A-1, HUNT-SPECTRUM THE CITY OF ALBUQUERQUE, NEW MEXICO					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			TRAF. OPER.		
LCA PROJECT NO. 001-002		MAP NO. J-19-Z		SHEET C6.2	





LANDSCAPE AREA GRADING DETAIL



ACCESS RAMP DETAIL

- ① CONSTRUCT 12 L.F. VARIABLE HT. RETAINING WALL W/ HANDRAIL (SEE NOTE 16) PER CASE 2, SHT. C6.4.
② CONSTRUCT 10' L.F. VARIABLE HT. RETAINING WALL W/ HANDRAIL (SEE NOTE 16) PER CASE 1, SHT. C6.4.

GRADING GENERAL NOTES

- GEOTECHNICAL REPORT: SITE PREPARATION, GRADING, FILL COMPACTION, AND BUILDING PAD PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT BY TERRACON CONSULTANTS, INC., PROJECT NO. 88115012, DATED AUGUST 18, 2011. IN THE EVENT OF A CONFLICT BETWEEN THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND THE NOTES ON THE GRADING PLAN, THE GEOTECHNICAL REPORT SHALL GOVERN.
- TOPOGRAPHIC SURVEY: TOPOGRAPHIC SURVEY INFORMATION IS BASED ON THE TOPOGRAPHIC SURVEY PREPARED BY SURV-TEK, INC., DATED DECEMBER, 2010.
- EXISTING CONDITIONS: PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS, INCLUDING GRADES AND DIMENSIONS. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES.
- UNDISTURBED AREAS: PRIOR TO COMMENCING CLEARING, GRADING OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE OWNER AND/OR ENGINEER AT THE SITE TO ASCERTAIN THE AREA(S) OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED.
- EROSION CONTROL: EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING CLEARING, STRIPPING AND GRADING OPERATIONS. REFER TO THE EROSION CONTROL PLAN FOR THE SEQUENCE OF EROSION CONTROL DEVICES TO BE INSTALLED.
- PROPOSED GRADES: THE PROPOSED ELEVATIONS AND CONTOURS SHOWN ARE TO FINISHED GRADE. THE PROPOSED CONTOURS ARE APPROXIMATE. THE PROPOSED SPOT ELEVATIONS AND GRADIENTS ARE TO BE USED IN THE EVENT OF ANY DISCREPANCY WITH THE PROPOSED CONTOURS. MINOR ADJUSTMENT TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE IS ACCEPTABLE.
- ACCESSIBLE ROUTES/PARKING: SIDEWALKS AND CROSSWALKS ALONG ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH ADA STANDARDS WITH A MAXIMUM RUNNING SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%. ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.
- GRADES BETWEEN BUILDING AND CURB: REFER TO THE ARCHITECT PLANS FOR DETAILED GRADING INFORMATION BETWEEN THE BUILDING AND CURB.
- STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD(S), AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS AND OTHER ORGANIC MATERIAL. THE DEPTH OF THE STRIPPING SHALL BE BASED ON THE DEPTH OF SURFACE SOIL CONTAINING ORGANIC MATERIAL. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF SITE. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON THE SITE APPROVED BY THE OWNER.
- BURNING: BURNING SHALL NOT BE ALLOWED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES AND THE OWNER.
- PROOF-ROLLING: AFTER COMPLETION OF THE NECESSARY STRIPPING, CLEARING AND EXCAVATION AND PRIOR TO PLACING ANY REQUIRED FILL, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY PROOF ROLLING WITH A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK OR SIMILAR EQUIPMENT WEIGHING APPROXIMATELY 10 TONS TO CHECK FOR POCKETS OF SOFT OR LOOSE MATERIAL. THE PROOF-ROLLING PROCEDURES SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR DESIGNATED REPRESENTATIVE. ANY UNDESIRABLE MATERIAL EXPOSED FROM PROOF-ROLLING SHALL BE REMOVED. PRIOR TO THE PLACEMENT OF ANY FILL, THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES AND RECOMPACTED.
- CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHALL BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. THE FILL MATERIAL SHALL BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL, MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT DEPTH SHALL NOT EXCEED 8". EACH LAYER SHALL BE PROPERLY PLACED, MIXED, SPREAD AND COMPACTED IN ACCORDANCE WITH THE FILL COMPACTION SECTION.
- FILL COMPACTION: FILL COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- LANDSCAPE AREAS: REFER TO THE LANDSCAPE PLAN FOR SOIL REQUIREMENTS IN LANDSCAPE AREAS.
- TESTING: TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING LABORATORY, EMPLOYED AND PAID DIRECTLY BY THE OWNER. TESTING SHALL BE PERFORMED, AT A MINIMUM, IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT. IN THE EVENT THE RESULTS OF THE INITIAL TESTING DO NOT COMPLY WITH THE PLANS AND SPECIFICATIONS, SUBSEQUENT TESTS NECESSARY TO DETERMINE THE ACCEPTABILITY OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
- RETAINING WALLS: RETAINING WALLS WITH HANDRAILS SHALL BE BUILT TO THE TOP OF WALL ELEVATION. HANDRAILS SHALL BE INSTALLED PER ARCH. / STRUC. PLANS.

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON THE PLANS THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

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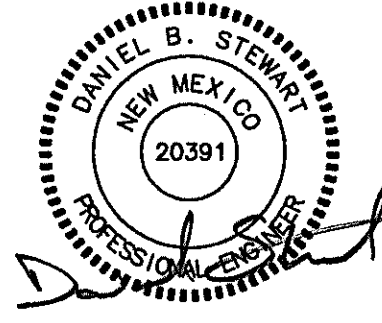
LCA Lawrence A. Cates & Associates, LLP
Consulting Engineers
14800 Quorum Drive, Suite 200
Dallas, Texas 75254
Office: 972-385-2272 Fax: 972-980-1627

GRADING NOTES & DETAILS

TARGET ALBUQUERQUE UPTOWN (T-2813)
TRACT A-1, HUNT-SPECTRUM
THE CITY OF ALBUQUERQUE, NEW MEXICO

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

LCA PROJECT NO. 001-002 MAP NO. J-19-Z SHEET C6.3

AS BUILT INFORMATION			BENCHMARKS			SURVEY INFORMATION			ENGINEERS SEAL		
CONTRACTOR	DATE		ALBUQUERQUE CONTROL SURVEY BENCHMARK "20-H18"	DATE		NO.	BY		 02-07-12		
WORK BY	DATE		NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-NAD 83)	DATE							
ACCEPTANCE BY	DATE		LOCATED IN THE MEDIAN OF LOUISIANA BOULEVARD ON THE SOUTH SIDE OF ITS INTERSECTION WITH UPTOWN BOULEVARD N.E., APPROXIMATELY 625 FEET NORTH OF THE CENTERLINE OF INDIAN SCHOOL ROAD N.E.	DATE							
VERIFICATION BY	DATE			DATE							
DRAWING											
REVISIONS											
DESIGNED BY	LCA	DATE	12.09.11								
DRAWN BY	LCA	DATE	12.09.11								
CHECKED BY	LCA	DATE	12.09.11								

INDIAN SCHOOL ROAD N.E.

LOUISIANA BOULEVARD N.E.

UPTOWN LOOP ROAD N.E.

LEGEND

- 569 EXIST. CONTOUR
- 45 PROP. CONTOUR
- PROP. DRAINAGE DIVIDE
- DA AC CFS DRAINAGE AREA NO. AREA (ACRES) Q₁₀₀ (CFS)
- EXIST. STORM
- PROP. STORM
- DIRECTION OF FLOW

HYDRAULIC DATA

Q = C x I x A

D.A. No.	AREA (acres)	C	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	REMARKS
1-1	0.94	0.93	5.38	4.70	ROOF DRAINS
1-2	0.54	0.93	5.38	2.70	ROOF DRAINS
1-3	0.49	0.93	5.38	2.45	ROOF DRAINS
1-4	0.49	0.93	5.38	2.45	ROOF DRAINS
1-5	1.02	0.93	5.38	5.10	ROOF DRAINS
1-6	0.44	0.64	5.38	1.52	SHEET FLOW TO 24"x24" AREA DRAIN
1-7	0.72	0.93	5.38	3.60	SHEET FLOW TO TYPE C INLET
TOTAL FLOW TO 84" RCP IN UPTOWN LOOP ROAD N.E. = 22.52 cfs					
2-1	0.86	0.93	5.38	4.30	SHEET FLOW TO DOUBLE D INLET
2-2	0.02	0.64	5.38	0.07	SHEET FLOW TO 12"x12" AREA DRAIN
2-3	0.05	0.64	5.38	0.17	SHEET FLOW TO 12"x12" AREA DRAIN
2-4	0.12	0.64	5.38	0.41	SHEET FLOW TO 12"x12" AREA DRAIN
2-5	0.04	0.93	5.38	0.20	SHEET FLOW TO TRENCH DRAIN
2-6	0.07	0.93	5.38	0.35	SHEET FLOW TO TRENCH DRAIN
2-7	0.21	0.64	5.38	0.72	SHEET FLOW TO LOUISIANA BOULEVARD N.E.
TOTAL FLOW TO EXISTING STORM DRAIN INLET IN LOUISIANA BLVD. N.E. = 6.22 cfs					
3-1	0.13	0.93	5.38	0.65	SHEET FLOW TO DOUBLE D INLET
3-2	0.33	0.93	5.38	1.65	SHEET FLOW TO 24"x24" AREA DRAIN
3-3	0.18	0.64	5.38	0.61	SHEET FLOW TO 18"x18" AREA DRAIN
3-4	0.02	0.93	5.38	0.10	SHEET FLOW TO LOUISIANA BOULEVARD N.E.
3-5	0.03	0.93	5.38	0.16	SHEET FLOW TO LOUISIANA BOULEVARD N.E.
TOTAL FLOW TO EXISTING STORM DRAIN INLET IN LOUISIANA BLVD. N.E. = 3.17 cfs					
4-1	0.19	0.64	5.38	0.65	SHEET FLOW TO 18"x18" AREA DRAIN
4-2	0.11	0.93	5.38	0.55	SHEET FLOW TO 12"x12" GRADE INLET
4-3	0.14	0.93	5.38	0.70	SHEET FLOW TO ROOF DRAIN
4-4	0.03	0.93	5.38	0.15	SHEET FLOW TO INDIAN SCHOOL ROAD N.E.
TOTAL FLOW TO EXISTING STORM DRAIN INLET IN INDIAN SCHOOL RD. = 2.05 cfs					
5-1	0.15	0.93	5.38	0.75	SHEET FLOW TO UPTOWN LOOP ROAD N.E.
5-2	0.05	0.93	5.38	0.27	SHEET FLOW TO UPTOWN LOOP ROAD N.E.
TOTAL FLOW TO UPTOWN LOOP ROAD N.E. = 1.02 cfs					

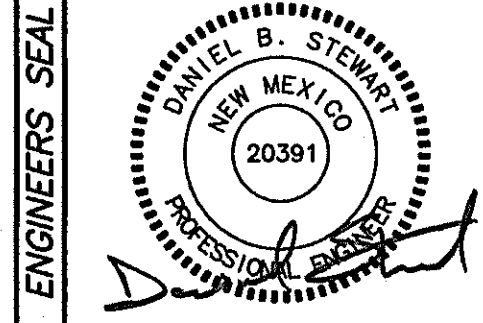
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DRAINAGE AREA MAP

TARGET ALBUQUERQUE UPTOWN (T-2813)
TRACT A-1, HUNT-SPECTRUM
THE CITY OF ALBUQUERQUE, NEW MEXICO

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

LCA PROJECT NO. 001-002 MAP NO. J-19-Z SHEET C7.1



02-07-12

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

AS BUILT INFORMATION		
CONTRACTOR		
WORK ESTIMATED BY	DATE	
INSPECTOR'S ACCEPTANCE BY	DATE	
FIELD NOTATION BY	DATE	
DRAWINGS CORRECTED BY	DATE	
MICRO-FILM INFORMATION		
RECORDED BY	DATE	
NO.		

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

NO.	DATE	REVISIONS	DESIGN
1	12.09.11	DATE	12.09.11
2	12.09.11	DATE	12.09.11
3	12.09.11	DATE	12.09.11

C7.1

INDIAN SCHOOL ROAD N.E.

(103' RIGHT-OF-WAY)

LOUISIANA BOULEVARD N.E.

(VARIABLE WIDTH RIGHT-OF-WAY)

UPTOWN LOOP ROAD N.E.

(96' RIGHT-OF-WAY)

STORM DRAINAGE GENERAL NOTES

- STANDARDS AND SPECIFICATIONS:** ALL MATERIALS, CONSTRUCTION METHODS, WORKMANSHIP, EQUIPMENT, SERVICES AND TESTING FOR ALL PUBLIC IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' ORDINANCES, REGULATIONS, REQUIREMENTS, STATUTES, SPECIFICATIONS AND DETAILS, LATEST PRINTING AND AMENDMENTS THERETO.
- TRENCH SAFETY:** THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A TRENCH SAFETY SYSTEM PLAN PREPARED IN ACCORDANCE WITH OSHA REQUIREMENTS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW MEXICO FOR THE IMPLEMENTATION OF TRENCH SAFETY CONTROL MEASURES THAT WILL BE IN EFFECT DURING THE CONSTRUCTION OF THE PROJECT FOR ALL TRENCHES DEEPER THAN FIVE (5) FEET.
- LOCATION OF EXISTING UTILITIES:** THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN THE AREA OF CONSTRUCTION.
- PROTECTION OF EXISTING UTILITIES:** THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL EXISTING UTILITIES (POLES, LINES, CABLES, STRUCTURES, ETC.) LOCATED BOTH ABOVE AND BELOW THE GROUND.
- LOCATION OF PROPOSED DRAINAGE IMPROVEMENTS:** THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- PRIVATE STORM DRAIN PIPE:** UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPES FOR PRIVATE STORM DRAIN IMPROVEMENTS SHALL BE AS FOLLOWS:
 - 18" AND GREATER: REINFORCED CONCRETE PIPE (RCP), CLASS III.
 - 3" THROUGH 15": PVC SCHEDULE 40, SDR-35, OR HIGH DENSITY POLYETHYLENE PIPE (HDPE), N-12.
- EMBEDMENT:** EMBEDMENT FOR STORM DRAINAGE PIPE, PUBLIC AND PRIVATE, SHALL BE IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS.
- BENDS & WYES:** PREFABRICATED BENDS AND WYES SHALL BE USED ON ALL PIPE CONNECTIONS AND JUNCTIONS.
- GROUTING:** ALL PIPE ENTERING PUBLIC STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATER TIGHT CONNECTIONS.
- ROOF DRAINS:** THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ROOF DRAIN LATERALS WITH THE BUILDING PLANS FOR DOWNSPOUT CONNECTIONS.
- STORM DRAINAGE STRUCTURES:** STORM DRAINAGE STRUCTURES (INLETS, JUNCTION BOXES, ETC.) ON PUBLIC LINES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH GOVERNING AUTHORITIES' STANDARD DETAILS. UNLESS OTHERWISE NOTED, STRUCTURES ON PRIVATE LINES ARE TO BE PRECAST STRUCTURES MANUFACTURED BY HANSON, OR APPROVED EQUIVALENT.
- ADJUSTMENT OF STRUCTURES:** ALL STORM DRAIN STRUCTURES INCLUDING MANHOLES, INLETS AND CLEANOUTS MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR TO MATCH THE FINISHED GRADE.
- PRIVATE CURB INLETS:** PRIVATE CURB INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS, HANSON PRECAST PRODUCTS OR APPROVED EQUIVALENT.
- PRIVATE GRATE INLETS:** PRIVATE GRATE INLETS SHALL BE PER HANSON PRECAST PRODUCTS OR APPROVED EQUIVALENT.
- PLAZA AREA GRATE INLETS:** GRATE INLETS IN THE PLAZA AREA SHALL HAVE A DECORATIVE GRATE: IRONSMITH, INC. (800-338-4766), PEDESTRIAN PROOF DRAIN GRATES, BRONZE "MARKET STREET", OR APPROVED EQUIVALENT.

CONSTRUCTION NOTES

- INSTALL 12"x12" GRATE INLET. SEE NOTE 16. TOP= 5280.98 FL 6"= 5278.68
- INSTALL 12"x12" GRATE INLET. SEE NOTE 16. TOP= 5280.44 FL 6"= 5278.44
- INSTALL 12"x12" GRATE INLET. SEE NOTE 16. TOP= 5280.61 FL 6"= 5278.61

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM LOCATIONS SHOWN ON THE PLANS THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.



LCA Lawrence A. Cates & Associates, LLP
Consulting Engineers
14800 Quorum Drive, Suite 200
Dallas, Texas 75254
Office: 972-385-2272 Fax: 972-980-1627

STORM DRAINAGE PLAN

TARGET ALBUQUERQUE UPTOWN (T-2813)
TRACT A-1, HUNT-SPECTRUM
THE CITY OF ALBUQUERQUE, NEW MEXICO

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

LCA PROJECT NO. 001-002 MAP NO. J-19-Z SHEET C8.1

AS BUILT INFORMATION			BENCHMARKS			SURVEY INFORMATION			ENGINEERS SEAL		
CONTRACTOR	WORKS BY	DATE	ALBUQUERQUE CONTROL SURVEY BENCHMARK "20-H18"	DATE		FIELD NOTES	BY	NO.		REVISIONS	BY
ACCEPTANCE BY	INSPECTOR'S	DATE	NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-NAD 83)	DATE							
VERIFICATION BY	DATE		LOCATED IN THE MEDIAN OF LOUISIANA BOULEVARD ON THE SOUTH SIDE OF ITS INTERSECTION WITH UPTOWN BOULEVARD N.E., APPROXIMATELY 625 FEET NORTH OF THE CENTERLINE OF INDIAN SCHOOL ROAD N.E.	DATE							
MICRO-FILM INFORMATION			SCHOOL ROAD N.E.	NORTHING: 1493154.978						DESIGNED BY	LOA
RECORDED BY	DATE			EASTING: 1545048.210						DRAWN BY	LOA
NO.				ELEVATION: 5283.222 (NAVD 1988)						CHECKED BY	LOA