

# CONSTRUCTION PLANS FOR LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS ALBUQUERQUE, NEW MEXICO

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### NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- REMOVAL AND REPLACEMENT OF THE EXISTING CURB & GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY). REMOVE CURB TO NEAREST JOINT. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK SHALL BE TO NEAREST JOINT.
- REMOVAL OF EXISTING SIDEWALK SHALL BE TO NEAREST JOINT.
- ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9, AMENDMENT #1.

### CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION ENGINEER.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).

### SURVEYOR'S CERTIFICATION

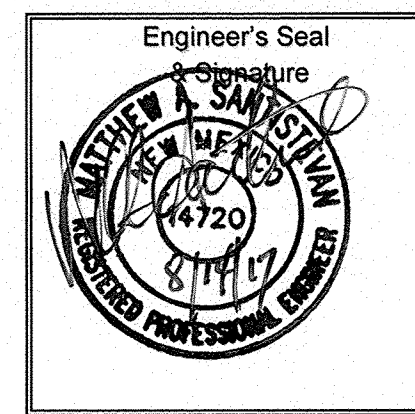
I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION. THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORDED DRAWINGS.

Brian J. Martinez  
BRIAN J. MARTINEZ, NMPS 18374

APPROVED AS RECORD DRAWINGS  
DESIGN REVIEW SECTIONS  
CITY CONSTRUCTION ENGINEER  
DATE: 8/23/17

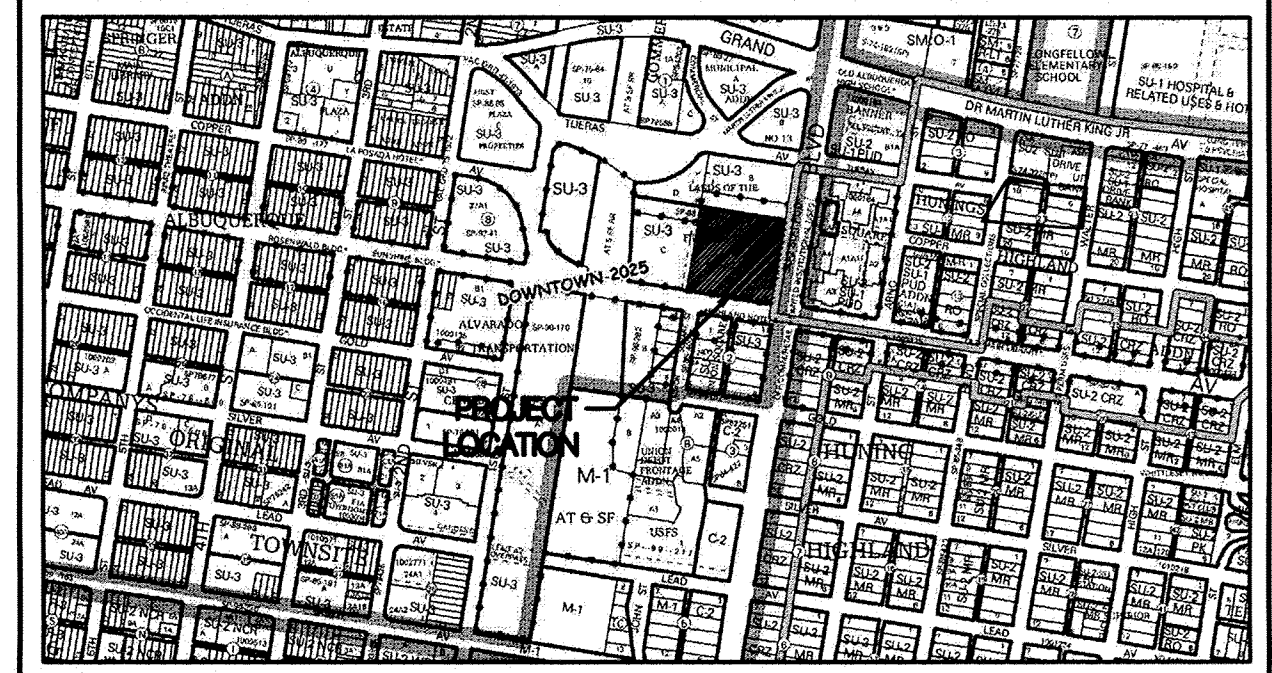
### CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Matthew A. Santistevan of the firm of Bohannon Huston, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as shown on these drawings (Lobo Rainforest Public Infrastructure Improvements) has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by the contractor, Jaynes Corporation, and their surveyor, Brian J. Martinez, NMPS 18374.



THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH A REGISTERED PROFESSIONAL ENGINEER FOR CONSTRUCTION ENGINEERING SERVICES (CITY OF ALBUQUERQUE REQUIRED INSPECTIONS DURING CONSTRUCTION). THE ENGINEER SHALL BE LICENSED IN THE STATE OF NEW MEXICO. THE ENGINEER SHALL BE RESPONSIBLE FOR CONSTRUCTION OVERSIGHT, CONSTRUCTION OBSERVATION REPORTS, CERTIFICATION CLOSE OUT AND ACCEPTANCE BY THE CITY IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS REVISED THROUGH UPDATE #9, AMENDMENT #1.

THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.



### VICINITY MAP

K-14-Z

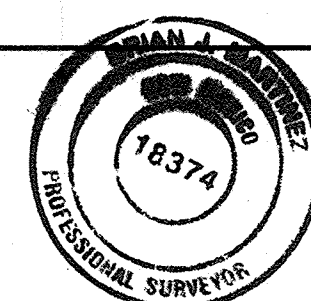
### NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE NO. 9.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT, TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE AND ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [http://abcwua.org/Water\\_Shut\\_off\\_and\\_Turn\\_on\\_Procedures.aspx](http://abcwua.org/Water_Shut_off_and_Turn_on_Procedures.aspx)

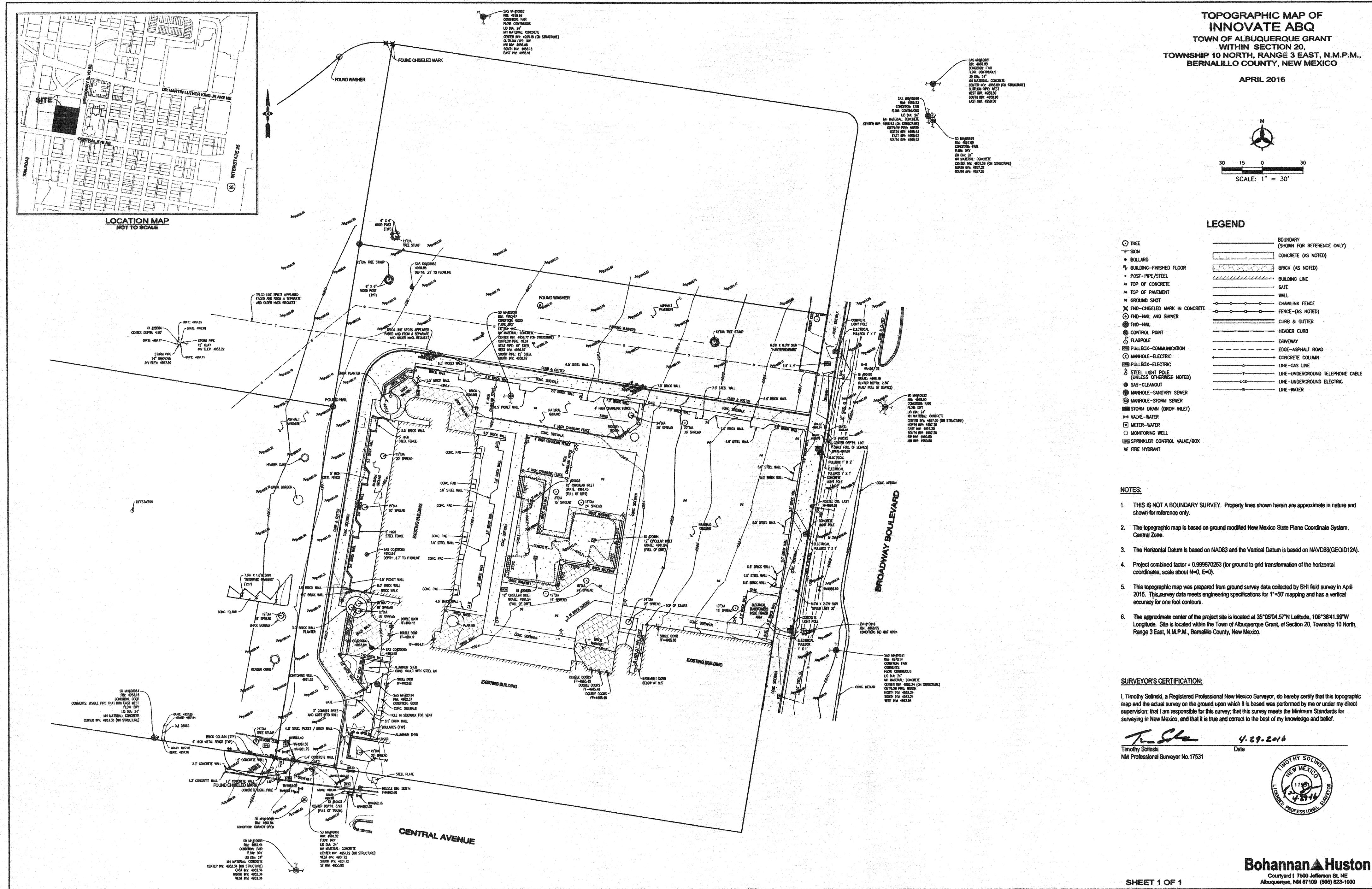
### THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		[Signature]		8/23/17	
		Transportation		[Signature]		8/24/17	
		Water/Wastewater		[Signature]		8/24/17	
		Hydrology		[Signature]		8/24/17	
		Parks					
		Const. Mngmt.					
		Const. Coord.					
DRB CASE NUMBER		CITY PROJECT NO.		657383		SHEET 1 OF 8	



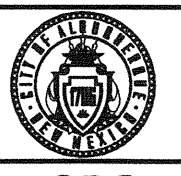
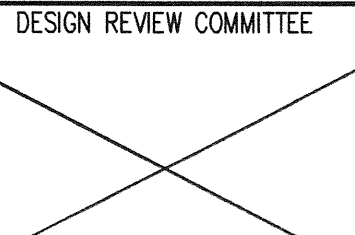
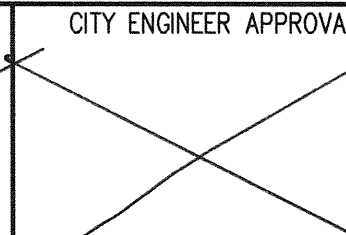




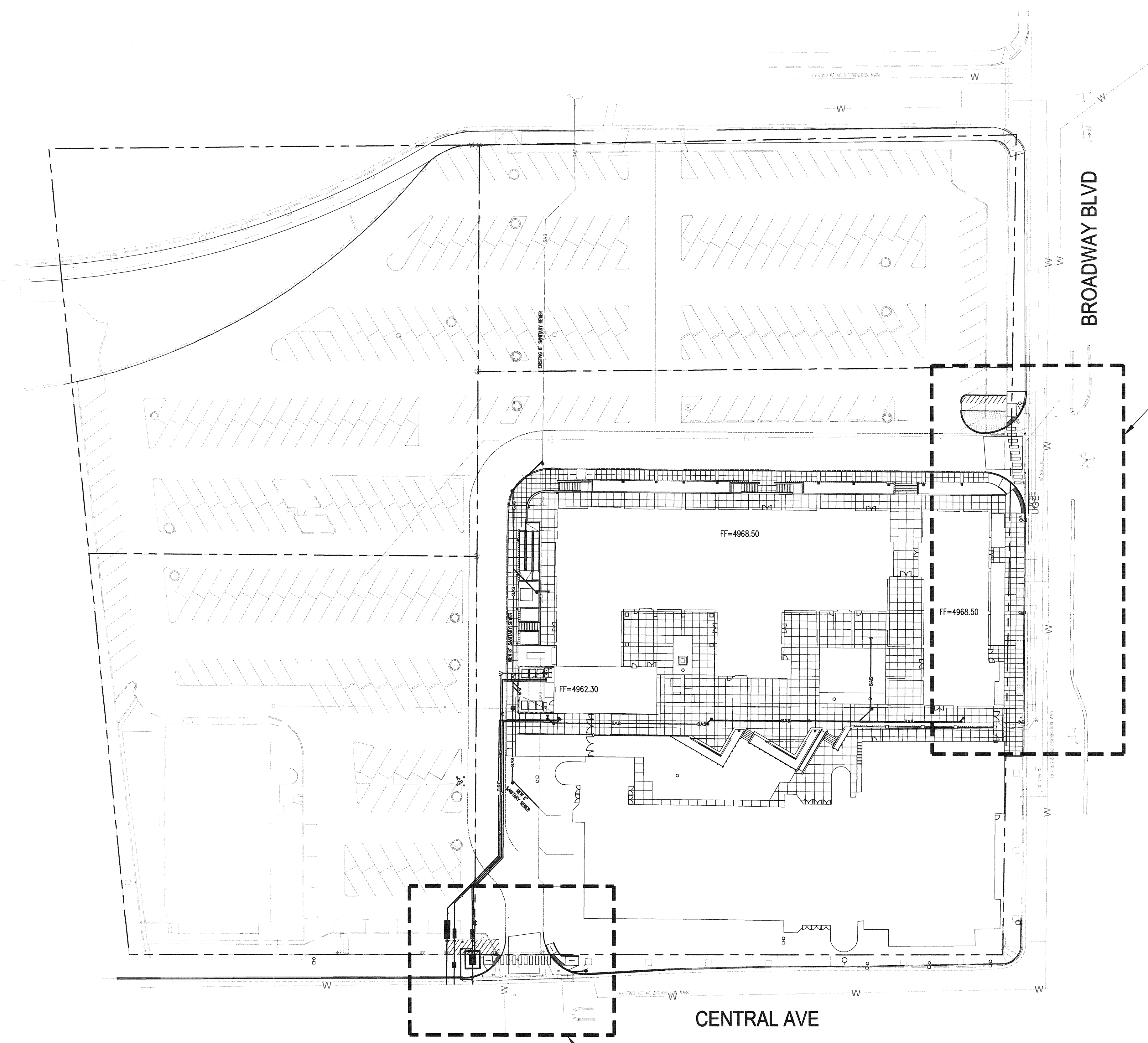
SURVEY CONTROL (NOT TO SCALE)  
FOR INFORMATION ONLY

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALBUQUERQUE SURVEY CONTROL	DATE	NO.	BY	FOR INFORMATION ONLY	
WORKED BY	DATE	MONUMENT "6-K148 1982"	DATE				
INSPECTED BY	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE				
ACCEPTANCE BY	DATE	CENTRAL ZONE (NAD 83) AS PUBLISHED	DATE				
DRAWINGS	DATE	E=1,322,408.158	DATE			NO.	DATE
CORRECTION BY	DATE	N=1,486,003.797	DATE			REVISIONS	DATE
MICRO-FILM INFORMATION	DATE	DELTA ALPHA= -00° 13' 36.21"	DATE			DESIGNED BY	DATE
	DATE	GROUND TO GRID FACTOR=0.99962048	DATE			DRAWN BY	DATE
	DATE	ELEVATION= 4971.456 (NAVD 83)	DATE			CHECKED BY	DATE

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		<b>CITY OF ALBUQUERQUE</b> DEPARTMENT OF MUNICIPAL DEVELOPMENT	
LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS SURVEY CONTROL (FOR INFORMATION ONLY)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
		LAST DESIGN UPDATE	
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
657383	K-14-Z	2	8





UTILITY NOTES

1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
2. MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE & NFPA 24, LATEST EDITION.
4. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
5. ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
6. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
7. ALL VALVES SHALL BE ANCHORED PER NMAPWA STANDARD DWG. 2333.
8. FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METER, FIRE LINE, AND SEWER HOOKUP FEES FOR INSTALLATIONS. OWNER SHALL BE RESPONSIBLE FOR UTILITY EXPANSION CHARGES, PRORATA AND OTHER SPECIAL ASSESSMENTS.
10. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
11. CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING OF ALL WATERLINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.
12. A UTILITY/GEOPHYSICAL SURVEY WAS PERFORMED BY THE OWNER. THIS INFORMATION IS AVAILABLE FOR THE CONTRACTOR TO REVIEW.
13. CONTRACTOR SHALL COORDINATE WITH NEW DRY UTILITY CONSTRUCTION ACTIVITIES. SEE SITE ELECTRICAL PLAN AND ARCHITECTURAL SITE PLAN.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT CONSTRUCTION PLANS, SPECIFICATIONS AND THE LATEST EDITION OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND DETAILS, AS PREPARED BY THE NEW MEXICO CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

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**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

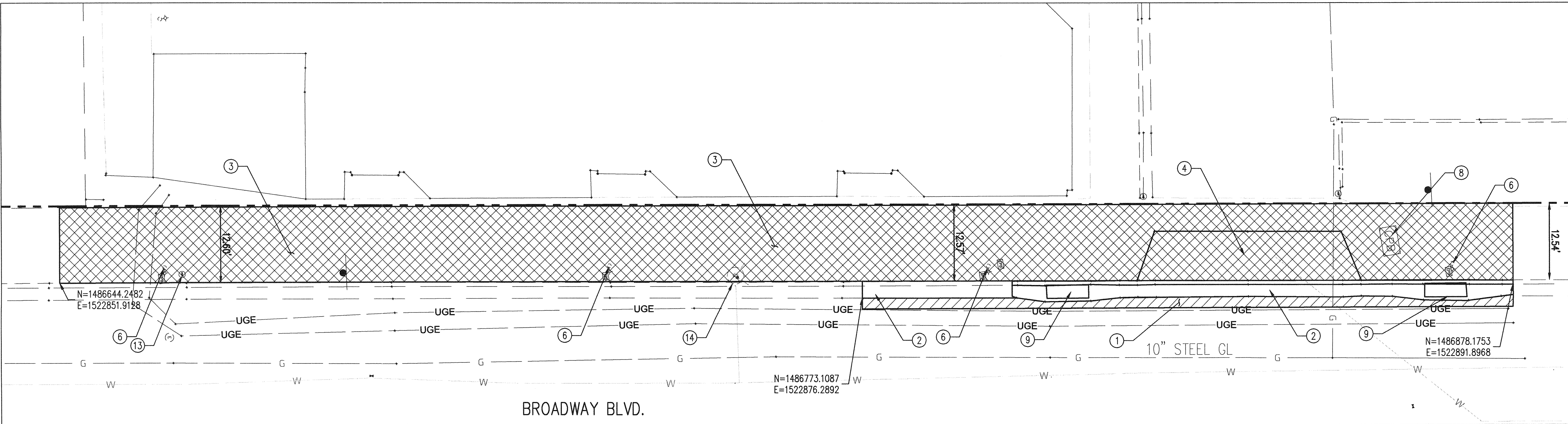
**LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS**  
**OVERALL PAVING & UTILITY PLAN**

DESIGN REVIEW COMMITTEE APR 25 2017 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED MAY 24 2017 CITY ENGINEER	MO./DAY/YR. 	MO./DAY/YR. 
LAST DESIGN UPDATE			

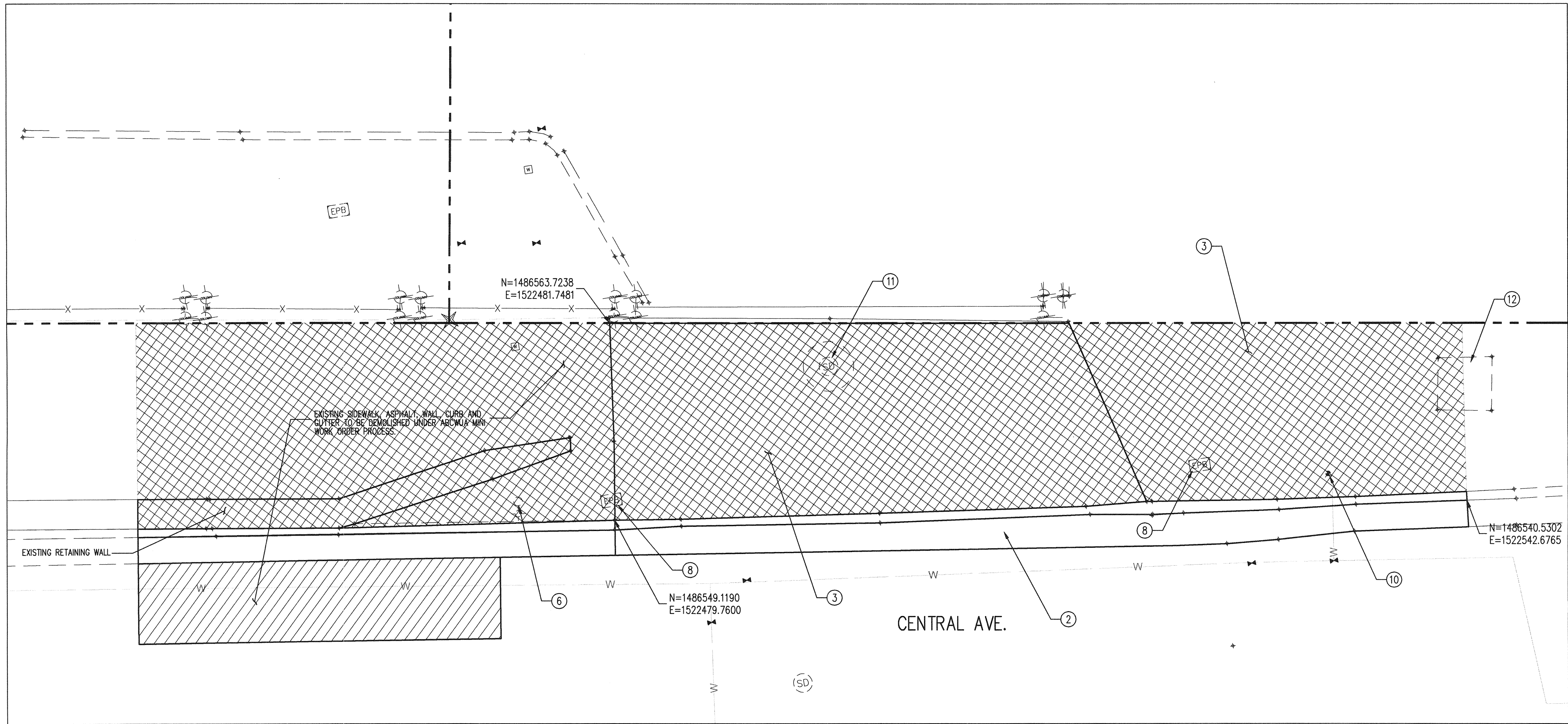
CITY PROJECT NO. <b>657383</b>	ZONE MAP NO. <b>K-14-Z</b>	SHEET <b>3</b>	OF <b>8</b>
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR	DATE	ALBUQUERQUE SURVEY CONTROL	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DESIGNED BY	DATE
WORKED BY: Caravan Surveys Inc.	8/17	MONUMENT "6-K148 1982"	8/17									MHS	04/2017
ACCEPTANCE BY: BHI	8/17	NEW MEXICO STATE PLANE COORDINATES:	8/17									MHS	04/2017
FIELD LOCATION BY: Caravan Surveys Inc.	8/17	CENTRAL ZONE (NAD 83) AS PUBLISHED:	8/17									MJB	04/2017
DRAWINGS CORRECTED BY: BHI	8/17	E=1,522,408.158	8/17										
MICRO-FILM INFORMATION		N=1,486,003.797											
RECORDED BY:		DELTA ALPHA= -00° 13' 36.21"											
		GROUND TO GRID FACTOR=0.99962048											
		ELEVATION= 4971.455 (NAD 88)											





ENLARGED AREA 'A'  
SCALE: 1"=10'



ENLARGED AREA 'B'  
SCALE: 1"=5'



DEMOLITION KEYNOTES

1. SAW CUT EXISTING ASPHALT TO CLEAN EDGE. REMOVE TO REPLACE ASPHALT PAVEMENT PER COA STD 2465 (PRINCIPAL ARTERIAL).
2. REMOVE & DISPOSE OF EXISTING STANDARD CURB & VALLEY GUTTER TO NEAREST JOINT.
3. REMOVE & DISPOSE OF EXISTING CONCRETE TO NEAREST JOINT.
4. REMOVE & DISPOSE OF EXISTING DRIVEWAY.
5. NOT USED.
6. PROTECT IN PLACE LIGHT POLE AND APPURTENANCES.
7. ADJUST WATER BOX TO FINISHED GRADE (SEE SHEET 5).
8. ADJUST ELECTRICAL BOX TO FINISHED GRADE (SEE SHEET 5).
9. MODIFY EXISTING TYPE 'C' DOUBLE GRATE INLET TO TYPE 'D' DOUBLE GRATE INLET. SEE SHEET 5 FOR DETAILS.
10. EXISTING FIRE HYDRANT RELOCATED PER COA PROJECT #691895. PROTECT IN PLACE.
11. ADJUST EXISTING SD MANHOLE RIM & COVER TO FINISHED GRADE (SEE SHEET 5).
12. ADJUST EXISTING VAULT TO FINISHED GRADE (SEE SHEET 5).
13. REMOVE & REPLACE EXISTING SIGN & POST.
14. EXISTING FIRE HYDRANT PROTECT IN PLACE.

\*\*\* CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK TO DETERMINE THE EXACT LIMITS OF REMOVAL.

LEGEND

- DEMOLISHED ASPHALT
- DEMOLISHED CONCRETE
- PROPERTY LINE
- EXISTING EASEMENT
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING CAP
- EXISTING VALVE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED EASEMENT
- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED CLEANOUT
- PROPOSED WATER LINE
- PROPOSED VALVE
- PROPOSED FIRE WATER LINE
- PROPOSED HYDRANT
- PROPOSED CAP
- PROPOSED WATER METER
- PROPOSED PIV
- REMOTE FIRE DEPARTMENT CONNECTION

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**DEPARTMENT OF MUNICIPAL DEVELOPMENT**

**LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS**  
**PAVING & UTILITY DEMO PLANS**

DESIGN REVIEW COMMITTEE APR 25 2017 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL MAY 24 2017 CITY ENGINEER	MO./DAY/YR. LAST DESIGN UPDATE	MO./DAY/YR.
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CITY PROJECT NO. 657383	ZONE MAP NO. K-14-Z	SHEET 4	OF 8
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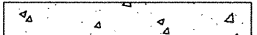
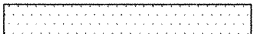









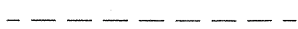














### **B** FLOWLINE DATA FOR CURB RETURN

PC	NORTHING: 1486878.214
	EASTING: 1522891.903
PT	NORTHING: 1486855.280
	EASTING: 1522859.706
PI	NORTHING: 1486850.688
	EASTING: 1522887.148



- |   |                                   |
|---|-----------------------------------|
|    | NEW CONCRETE LIMITS               |
|    | NEW ASPHALT PAVEMENT LIMITS       |
|    | PROPERTY LINE                     |
|    | EXISTING EASEMENT                 |
|    | EXISTING SANITARY SEWER           |
|   | EXISTING WATER LINE               |
|  | EXISTING WATER METER              |
|  | EXISTING CAP                      |
|  | EXISTING VALVE                    |
|  | EXISTING SANITARY SEWER MANHOLE   |
|  | PROPOSED EASEMENT                 |
|  | PROPOSED SANITARY SEWER LINE      |
|  | PROPOSED SANITARY SEWER MANHOLE   |
|  | PROPOSED CLEANOUT                 |
|  | PROPOSED WATER LINE               |
|  | PROPOSED VALVE                    |
|  | PROPOSED FIRE WATER LINE          |
|  | PROPOSED HYDRANT                  |
|  | PROPOSED CAP                      |
|  | PROPOSED WATER METER              |
|  | PROPOSED PIV                      |
|  | REMOTE FIRE DEPARTMENT CONNECTION |



### FLOWLINE DATA FOR CURB RETURN

PC	NORTHING: 1486540.586
	EASTING: 1522542.226
PT	NORTHING: 1486573.088
	EASTING: 1522517.405
PI	NORTHING: 1486544.418
	EASTING: 1522512.549

CONCRETE  
PAVEMENT  
REPLACEMENT  
ABC WORK MINI WORK ORDER  
# 657362

**Certification**  
THE CHANGES SHOWN HEREON ARE BASED UPON A  
FIELD SURVEY CONDUCTED BY ME OR UNDER MY  
SUPERVISION AND REFLECT THE LOCATIONS  
(VERTICALLY AND HORIZONTALLY) TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

MY KNOWLEDGE AND BELIEF.  
B-A not

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DEPARTMENT OF  
MUNICIPAL DEVELOPMENT

LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS  
ENLARGED PAVING & UTILITY PLANS

REGIONAL REVIEW COMMITTEE

CITY ENGINEER APPROVAL \_\_\_\_\_

	MO /DAY/VP	MO /DAY/VP
--	------------	------------

DESIGN REVIEW COMMITTEE  
APPROVED

CITY ENGINEER APPROVAL  
APPROVED

MO./DAY/HR.	MO./DAY/HR.

APPROVED

PROVE

IGN		

APR 25 2017

MAY 04 2013

DES DATE		
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APR 29 2017

MAY 24 2017

AST		
UPC		

DESIGN  
REVIEW COMMITTEE

CITY ENGINEER

LA		

REVIEW COMMITTEE

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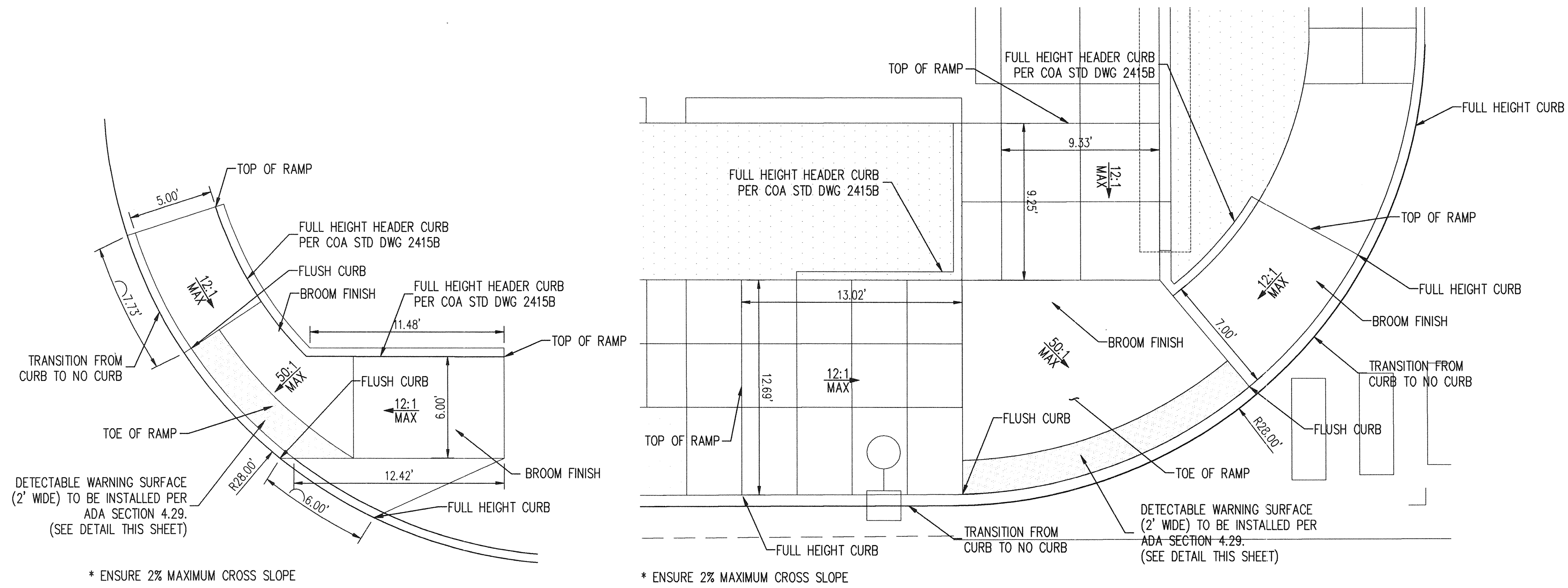
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CITY PROJECT NO. 657

7	ZONE MA K
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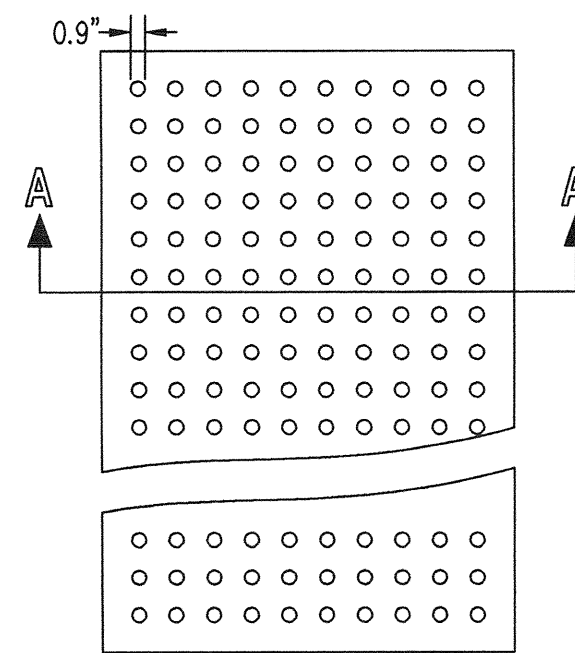
P. NO. 147	SHEET 5	OF 8
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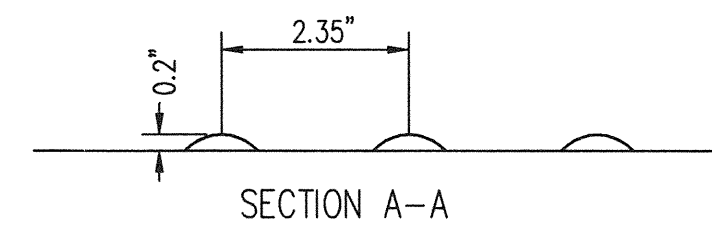


WHEEL CHAIR RAMP DETAILS  
NOT TO SCALE

- DETECTABLE WARNING SURFACE NOTES:
1. DESIGN PER ADA GUIDELINES.
  2. SUBMIT SPECIFICATIONS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
  3. THE DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 23mm (0.9"), A NOMINAL HEIGHT OF 5mm (0.2"), AND A NOMINAL CENTER TO CENTER SPACING OF 60mm (2.35"). THE SURFACE SHALL BE FIBERGLASS PANELS (PROCESS TO BE COORDINATED WITH AND FIELD APPROVED WITH CITY PRIOR TO INSTALLATION).
  4. THE DETECTABLE WARNING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE INTEGRAL PART OF THE WALKING SURFACE. PROVIDE 70/30 CONTRAST PER ADA.
  5. CONTRACTOR SHALL COORDINATE THE EXACT CONTRAST OF DETECTABLE WARNING SURFACE W/ OWNER.
  6. PROVIDE CAST-IN-PLACE REPLACEABLE DETECTABLE WARNING SURFACE AT ALL NEW RAMPS.



DETECTABLE WARNING SURFACE  
NOT TO SCALE



SECTION A-A

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<b>LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS</b> <b>DETAIL SHEET</b>											
DESIGN REVIEW COMMITTEE  DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL  CITY ENGINEER		LAST DESIGN UPDATE		MO./DAY/YR.     		MO./DAY/YR.     			
CITY PROJECT NO.      657383				ZONE MAP NO.      K-14-Z		SHEET      6      OF      8					







**7601** JEFFERSON NE, SUITE 100  
ALBUQUERQUE, NM 87109  
**505.761.9700 / DPSDESIGN.ORG**  
**ARCHITECT**

ENGINEER



PROJECT

**LOBO RAINFOREST**  
101 Broadway Blvd. NE  
ALBUQUERQUE, NM 87102

100%  
CONSTRUCTION  
DOCUMENTS

REVISIONS		
42	11/17/2016	AS: 06

DRAWN BY	MHS
REVIEWED BY	MJB
DATE	11/17/2016
PROJECT NO.	16-0044
DRAWING NAME	
ENLARGED GRADING DETAILS	

SHEET NO.

C101

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**MUNICIPAL DEVELOPMENT**

LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS  
ONSITE GRADING & DRAINAGE PLAN (FOR INFORMATION ONLY)

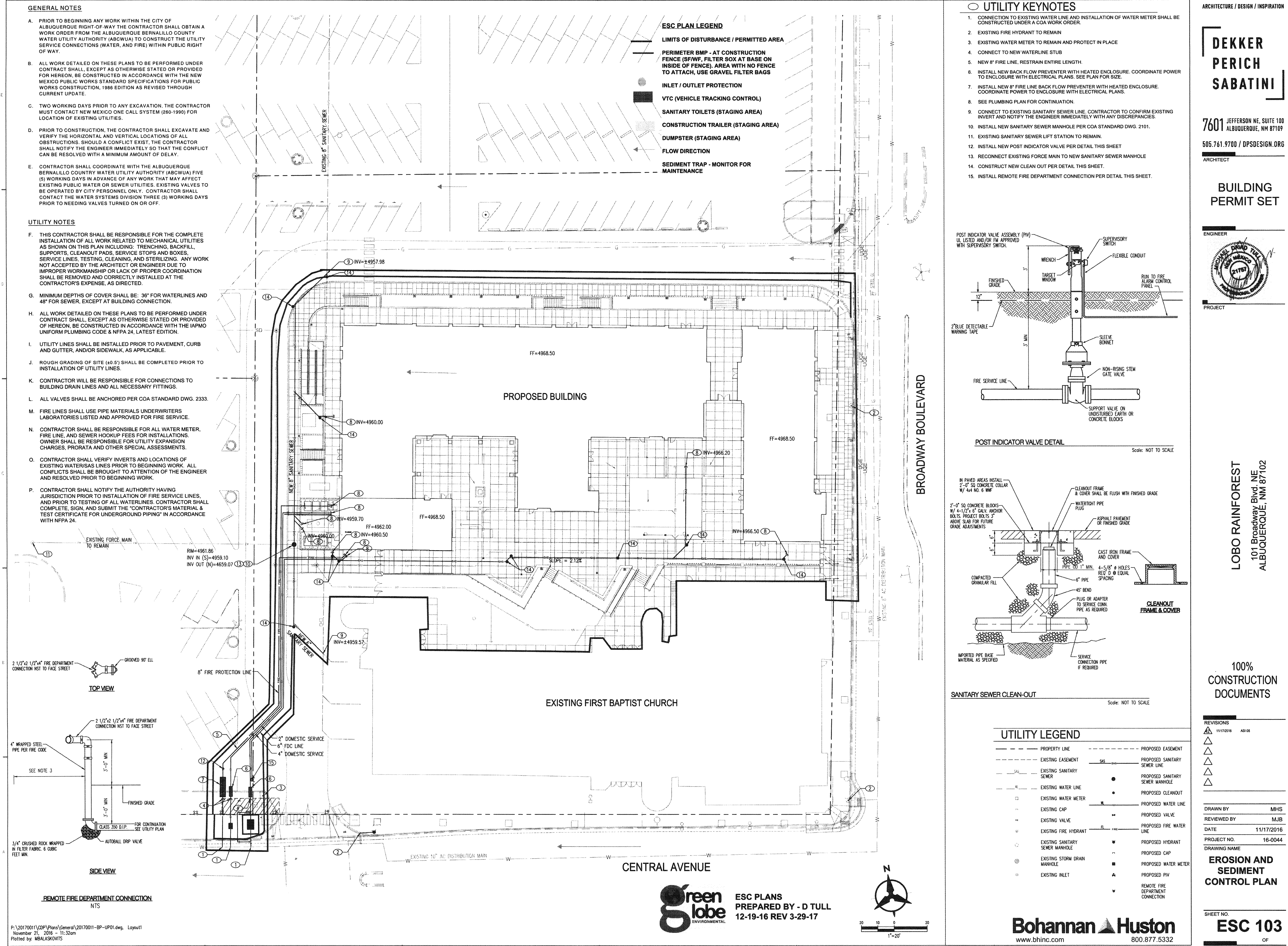
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657383		K-14-Z		7B		8	

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**ONSITE GRADING & DRAINAGE PLAN (NOT TO SCALE)**  
FOR INFORMATION ONLY





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DEPARTMENT OF MUNICIPAL DEVELOPMENT

LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS

EROSION SEDIMENT CONTROL PLAN

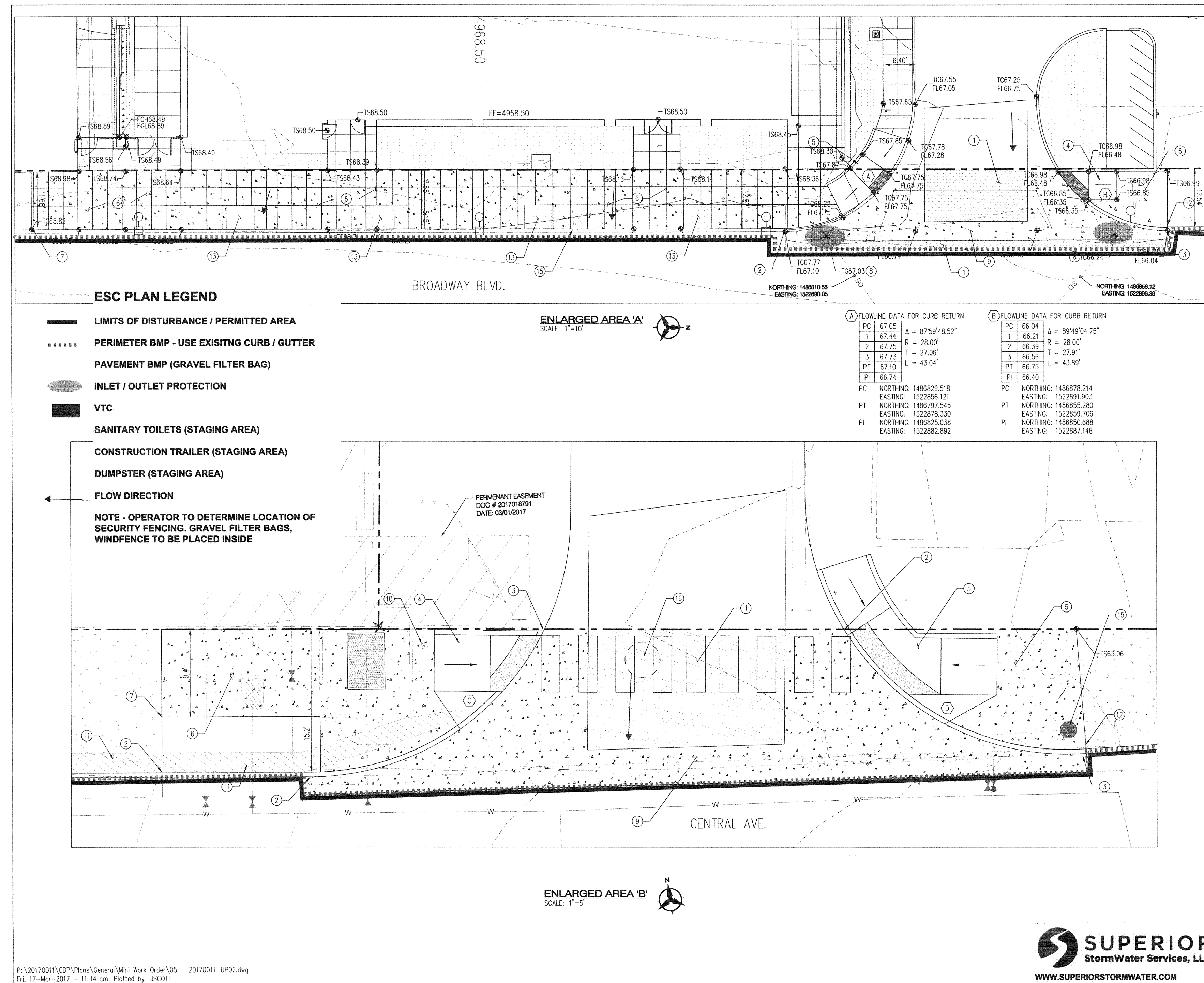
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APR 25 2017	MAY 24 2017		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

CITY PROJECT NO. 657383

ZONE MAP NO. K-14-Z

SHEET 8A OF 8





☐ UTILITY KEYNOTES


1. INSTALL PAVING GRAD TO COA STANDARD DRAWING 2445 (PRINCIPAL, AUXILIARY, MATCH GRADIENTS) TO EXISTING ASPHALT PAVEMENT.
2. BEGIN STANDARD CURB & GUTTER PER COA STD. DWG. 2415A TIE TO EXISTING CURB & GUTTER MATCH ELEVATION.
3. END STANDARD CURB & GUTTER PER COA STD. DWG. 2415A TIE TO EXISTING CURB & GUTTER MATCH ELEVATION.
4. BUILD ACCESS RAMP PER COA STD. DWG. 2441.
5. BUILD ACCESS RAMP PER DETAIL SHEET 6.
6. INSTALL CONCRETE SIDEWALK PER DRAWINGS NOTED.
7. BEGIN SIDEWALK PER C.O.A. STD. DWG. 2430 TIE TO EXISTING SIDEWALK MATCH ELEVATION.
8. CONVERT EXISTING TYPE "C" DOUBLE GRADE INLET TO TYPE "D" DOUBLE GRADE INLET.
9. BUILD 6' VALLEY CUTTER PER COA STD. DWG. 2420.
10. ADJUST WATER BOX TO FINISHED GRADE.
11. EXISTING WALK TO REMAIN.
12. END SIDEWALK PER C.O.A. STD. DWG. 2430 TIE TO EXISTING SIDEWALK MATCH ELEVATION.
13. LANDSCAPE AREA.
14. NOT USED.
15. EXISTING FIRE HYDRANT IN PLACE.
16. ADJUST MANHOLE TO FINISHED GRADE.

NOTE:  
QUARTER POINT

LEGEND

- |  |                                   |
|--|-----------------------------------|
|  | NEW CONCRETE LIMITS               |
|  | NEW ASPHALT PAVEMENT              |
|  | PROPERTY LINE                     |
|  | EXISTING EASEMENT                 |
|  | EXISTING SANITARY SEWER           |
|  | EXISTING WATER LINE               |
|  | EXISTING WATER METER              |
|  | EXISTING CAP                      |
|  | EXISTING VALVE                    |
|  | EXISTING SANITARY SEWER MANHOLE   |
|  | PROPOSED EASEMENT                 |
|  | PROPOSED SANITARY SEWER LINE      |
|  | PROPOSED SANITARY SEWER MANHOLE   |
|  | PROPOSED CLEANOUT                 |
|  | PROPOSED WATER LINE               |
|  | PROPOSED VALVE                    |
|  | PROPOSED FIRE WATER LINE          |
|  | PROPOSED HYDRANT                  |
|  | PROPOSED CAP                      |
|  | PROPOSED WATER METER              |
|  | PROPOSED PIV                      |
|  | REMOTE FIRE DEPARTMENT CONNECTION |

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 EROSION AND SEDIMENT CONTROL PLAN - ENTRY DETENTION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.		ZONE MAP NO.	SHEET	
657383		K-14-Z	ESCP DETAIL SHEET 1	



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### EROSION SEDIMENT CONTROL PLAN (NOT TO SCALE)

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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
				MONUMENT "6-K14R 1982"		CONTRACTOR <i>JANILES Carl</i> DATE <i>8/17</i>	
				NEW MEXICO STATE PLANE COORDINATES,		DRAWN BY <i>Carleson Surveys Inc.</i> DATE <i>8/16</i>	
				CENTRAL ZONE (NAD 83) AS PUBLISHED:		INSPECTOR'S ACCEPTANCE BY <i>BHI</i> DATE <i>8/17</i>	
				E=1,522,498.158		VERIFICATION BY <i>Carleson Surveys Inc.</i> DATE <i>8/17</i>	
				N=1,486,003.797		DRAWINGS CORRECTED BY <i>BHI</i> DATE <i>8/17</i>	
DESIGNED BY MHS		DATE 04/2017		MICRO-FILM INFORMATION			
DRAWN BY MHS		DATE 04/2017		RECORDED BY NO. DATE			
CHECKED BY MJB		DATE 04/2017		GROUND TO GRID FACTOR=0.999682048 ELEVATION= 4971.456 (NAVD 88)			

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LOBO RAINFOREST PUBLIC INFRASTRUCTURE IMPROVEMENTS  
EROSION SEDIMENT CONTROL PLAN

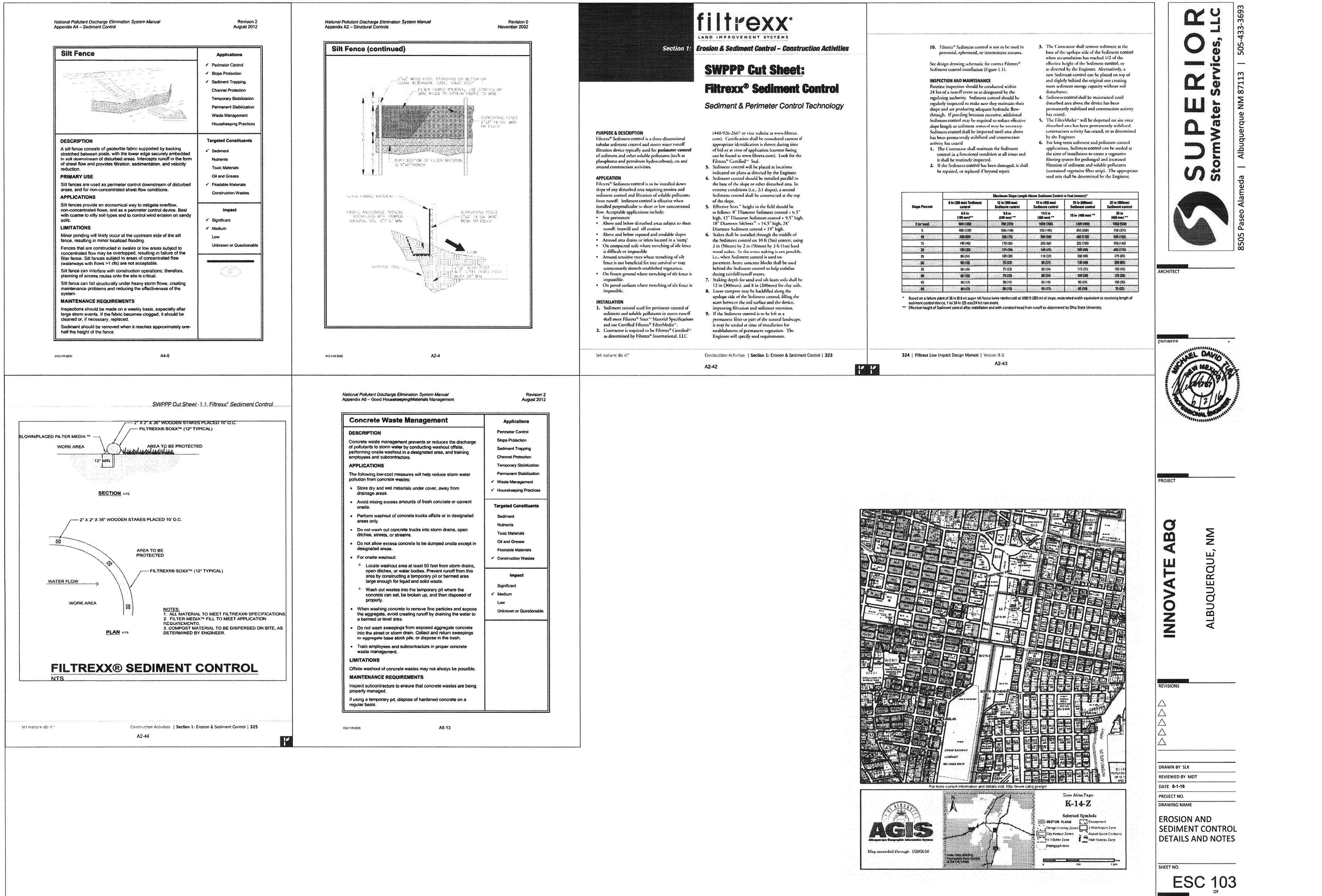
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APPROVED APR 25 2017 DESIGN REVIEW COMMITTEE	APPROVED MAY 24 2017 CITY ENGINEER			

ITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
657383	K-14-Z	8B	8









EROSION SEDIMENT CONTROL PLAN (NOT TO SCALE)

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EROSION SEDIMENT CONTROL PLAN

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APPROVED APR 25 2017 DESIGN REVIEW COMMITTEE	APPROVED MAY 24 2017 CITY ENGINEER	LAST DESIGN UPDATE	

CITY PROJECT NO. 657383 ZONE MAP NO. K-14-Z SHEET 8D OF 8