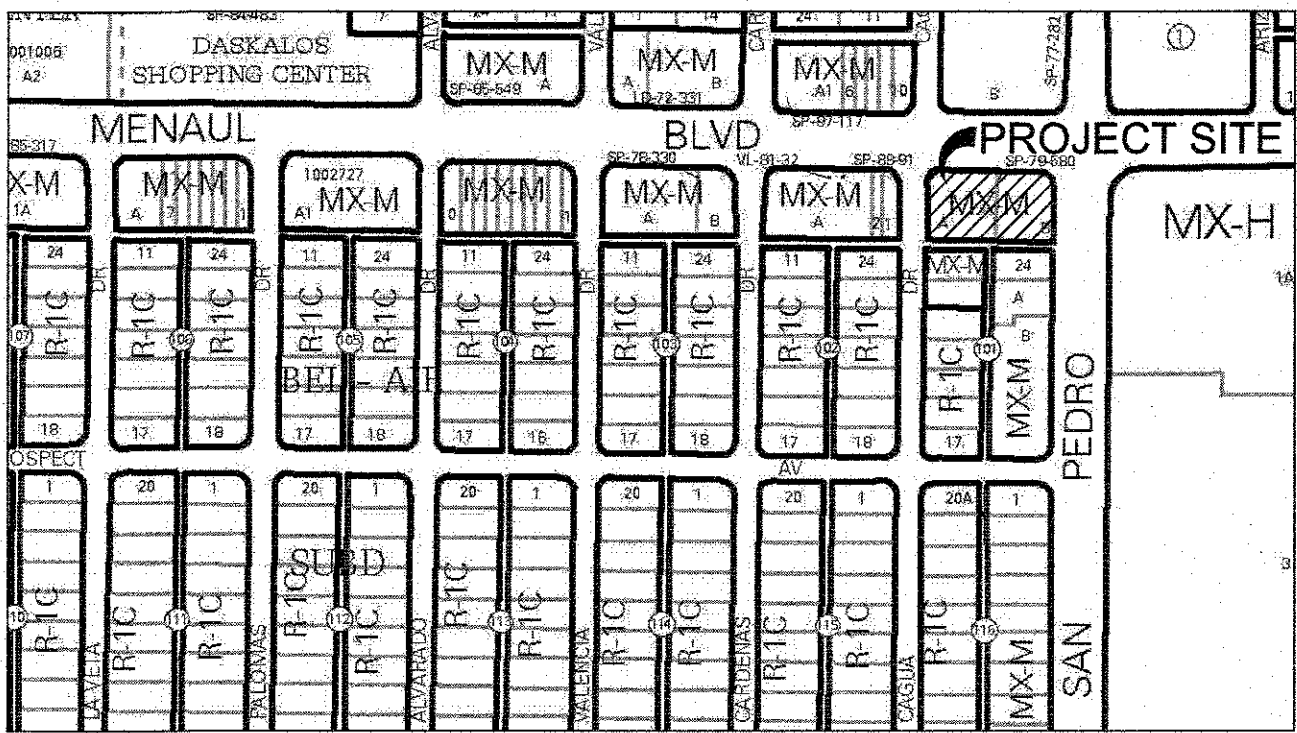


CIVIL CONSTRUCTION PLANS
FOR
McDONALD'S - L/C: 030-0001
PUBLIC IMPROVEMENTS
5900 MENAUL BLVD. NE
ALBUQUERQUE, BERNALILLO COUNTY, NM
CITY PROJECT NO. 409180



VICINITY MAP
ZONE ATLAS MAP H-18
NTS

APPROVED RECORD DRAWINGS	
City Inspector	Tim Sims
Contractor	Barnsley Construction
Construction Engineer	David Bishop
Date	1/29/2025



OWNER: McDonald's USA, LLC
18565 JAMBOREE ROAD, SUITE 850
IRVINE, CA 92618
CONTACT: LONNIE SMITH
PHONE: (702) 497-2707

CIVIL ENGINEER: LANGAN
2999 OLYMPUS BLVD., SUITE 165
DALLAS, TX 75019
CONTACT: HEATHER MACOMBER
PHONE: (817) 328-3200

SURVEYOR: PRECISION SURVEYS, INC.
5571 MIDWAY PARK PLACE, NE
ALBUQUERQUE, NM
CONTACT: LARRY W. MEDRANO
PHONE: 505-856-5700

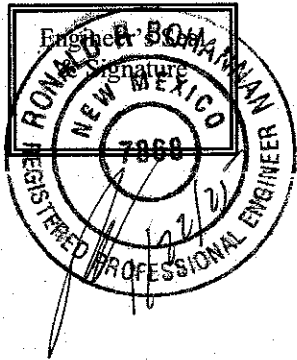
PROJECT LOCATION: 5900 MENAUL BLVD. NE
ALBUQUERQUE, NM

LANGAN JOB NUMBER: 520015201

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	ALTA ACSM LAND TITLE SURVEY
4	ALTA ACSM LAND TITLE SURVEY
5	DEMO PLAN
6	PLAT 1 OF 2
7	PLAT 2 OF 2
8	C7.0 GRADING PLAN (FOR INFORMATION ONLY)
9	C8.0 PRE-DEVELOPED DRAINAGE PLAN (FOR INFORMATION ONLY)
10	C8.1 POST-DEVELOP DRAINAGE PLAN (FOR INFORMATION ONLY)
11	C3.0 EROSION CONTROL PLAN
12	C3.1 EROSION CONTROL DETAILS
13	C4.1 TRAFFIC CIRCULATION LAYOUT (FOR INFORMATION ONLY)
14	C6.0 PAVING PLAN (FOR INFORMATION ONLY)
15	PAVING PLAN
16	PAVING PLAN ENLARGMENTS 1
17	PAVING PLAN ENLARGMENTS 2
18	PAVING CROSS SECTIONS
19	DRAINAGE PLAN
20	UTILITY PLAN
21	STRIPING AND SIGNAGE PLAN
22	STANDARD DETAILS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461



CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION

ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****
	DRC CHAIRPERSON	<i>[Signature]</i>	1/19/2024	APPROVED FOR CONSTRUCTION
	TRANSPORTATION	<i>[Signature]</i>	12/28/2023	
	WATER/WASTEWATER	<i>[Signature]</i>	01/02/2024	
	HYDROLOGY	<i>[Signature]</i>	12/29/23	
	PARKS			
CONST. MGMT.				CITY ENGINEER 1/23/2024 DATE
CONST. COORD.				
CITY PROJECT NO.				SHEET
		409180		1

DRB Project #: Plat PR2019-002738, Site Plan PR 2018-001186
Availability Statement #230525



**CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION**



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

GENERAL NOTES

McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL ZONE MAP NO.

APPROVED
Jan. 19, 2024
DESIGN
REVIEW COMMITTEE

APPROVED
Jan. 23, 2024
CITY ENGINEER

H-18

CITY PROJECT NO. 409180

SHEET NO. 2

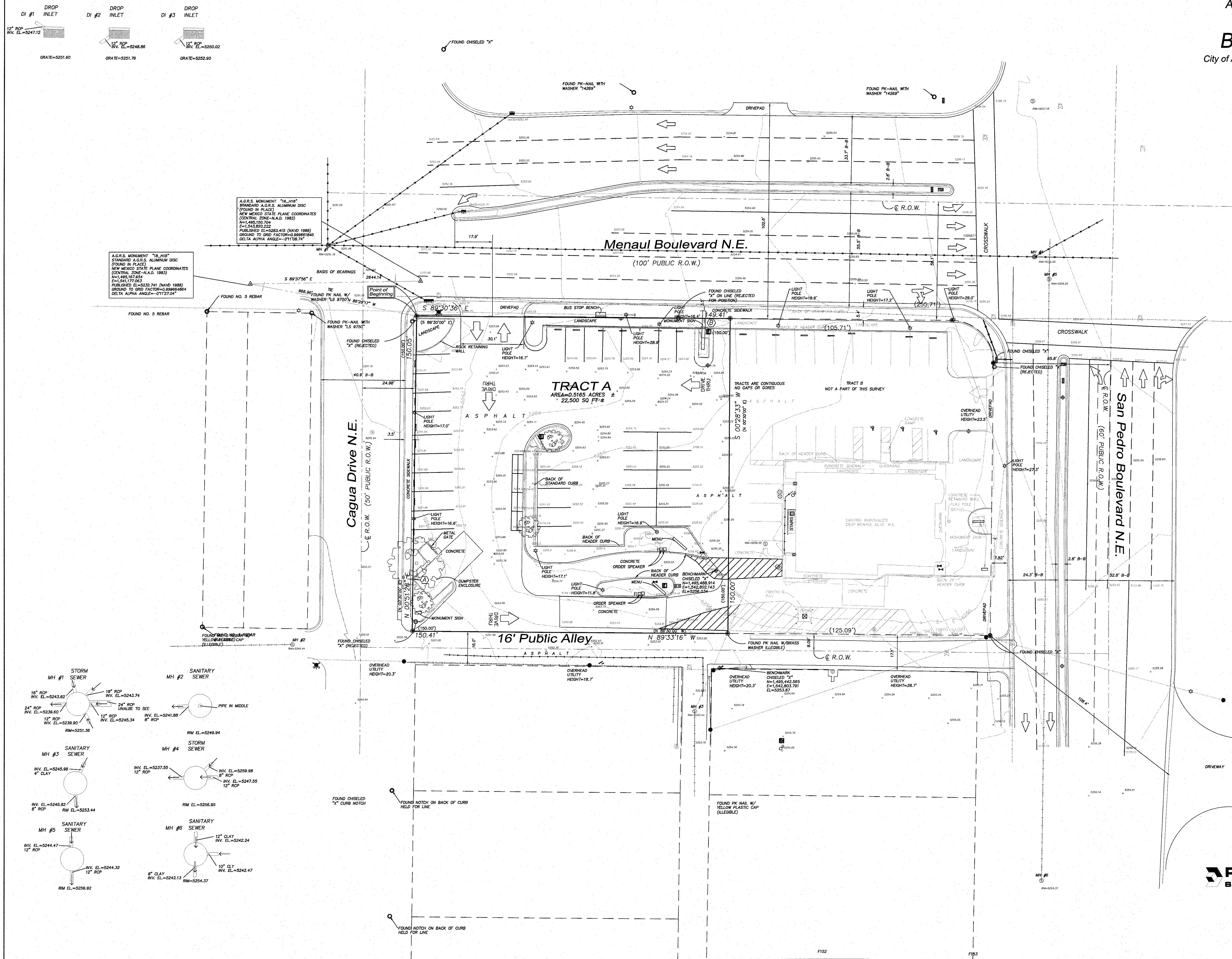
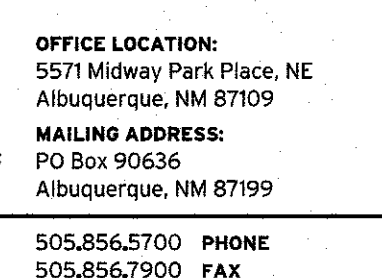


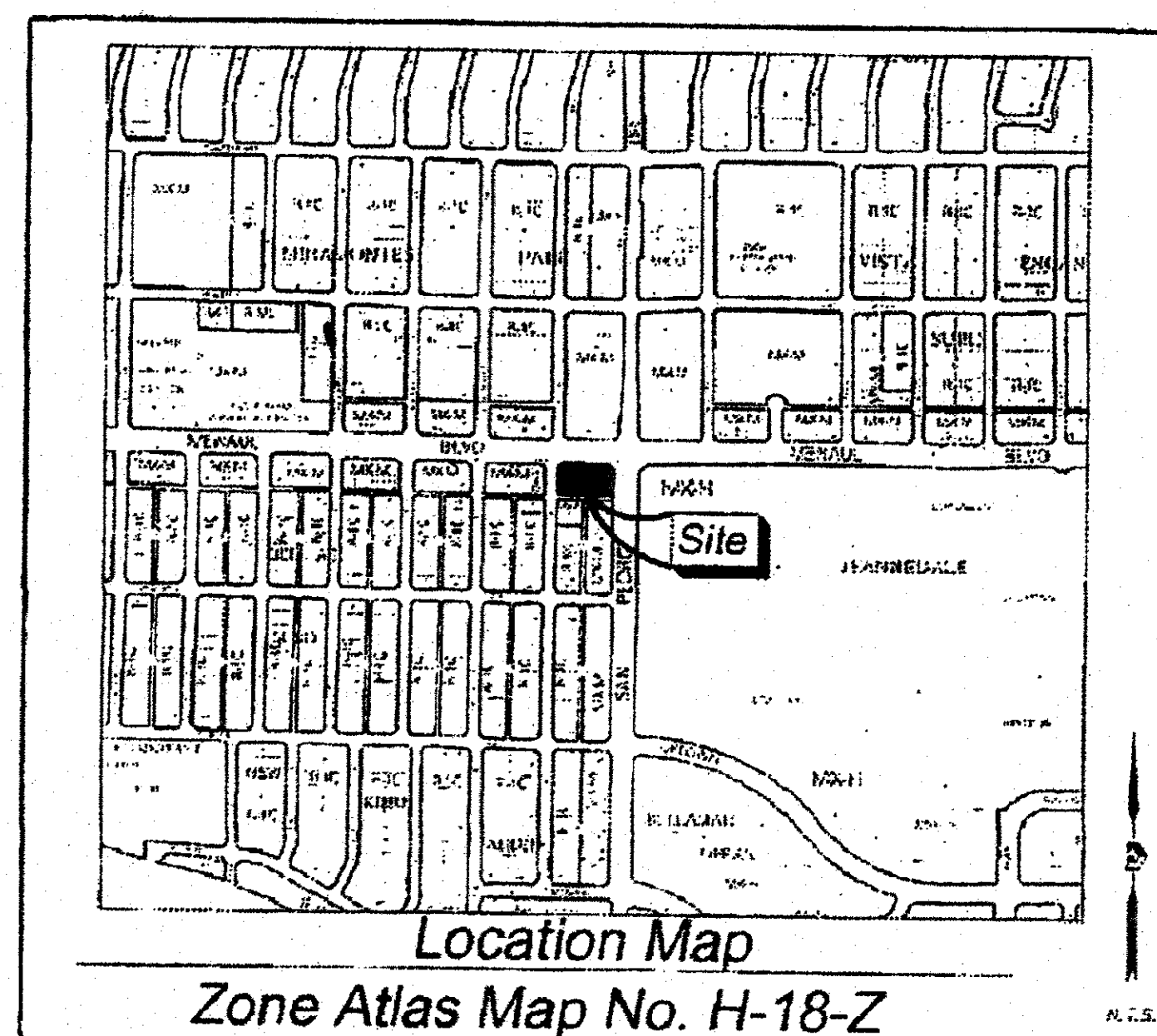
REGULAR	=	5
HANDICAPPED	=	0
TOTAL	=	<u>5</u>



- Note:**
WATERLINES WERE NOT LOCATED BY A.B.C.W.U.A.
PER NM ONE CALL REQUEST. LINES SHOWN ARE
BASED ON AS-BUILT DRAWINGS

For Reference Only



**Subdivision Data:**

GROSS SUBDIVISION ACRES: 0.9457 ACRES
 NO. OF TRACTS CREATED: 1
 NO. OF LOTS CREATED: 0
 MILES OF FULL-WIDTH STREETS CREATED: 0

Purpose of Plat

THE PURPOSE OF THIS PLAT IS TO CONSOLIDATE THE TWO EXISTING TRACTS INTO ONE NEW TRACT, AND TO DEDICATE ADDITIONAL STREET RIGHT OF WAY FOR CAGUA DRIVE, MENAUL BOULEVARD AND SAN PEDRO BOULEVARD, N.E.

Notes:

1. PLAT SHOWS ALL EASEMENTS OF RECORD
2. EASEMENT BEARINGS AND DISTANCES SHOWN HEREON ARE RECORD AND EASEMENTS HAVE BEEN ROTATED TO MATCH BASIS OF BEARINGS AND BOUNDARY UNLESS OTHERWISE INDICATED.

Public Utility Easements

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON JOINT USE OF:
 A. PUBLIC SERVICE COMPANY OF NEW MEXICO (PSC), A NEW MEXICO CORPORATION, (PSC ELECTRIC) FOR INSTALLATION, MAINTENANCE AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, AND OTHER EQUIPMENT AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICES;
 B. NEW MEXICO GAS COMPANY FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICES;
 C. QWEST CORPORATION D/B/A CENTURYLINK OC FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES;
 D. CABLE TV FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE SERVICES.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE WITHIN THE EASEMENT CHANGE, REMOVE, REPLACE, MODIFY, REPAIR, OPERATE AND MAINTAIN FACILITIES FOR PURPOSES DESCRIBED ABOVE TOGETHER WITH FREE ACCESS TO, FROM AND OVER SAID EASEMENTS, WITH THE RIGHT AND PRIVILEGE OF CROSSING OVER, OVER AND ACROSS ADJOINING LANDS OF GRANTOR FOR THE PURPOSES SET FORTH HEREIN AND WITH THE RIGHT TO UTILIZE THE RIGHT OF WAY AND EASEMENT TO EXTEND SERVICES TO CUSTOMERS OF GRANTED, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO HANdle AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN, NO BUILDING, SIGN, POOL, (UNDERGROUND OR SURFACE), HOT TUB, CONCRETE OR WOOD POOL, DECKING, OR OTHER STRUCTURE SHALL BE ERRECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO OR ON NEAR EASEMENTS SHOWN ON PLAT.

EASEMENTS FOR ELECTRIC TRANSFORMER/SWITCHGEARS, AS INSTALLED, SHALL EXTEND TEN (10) FEET IN FRONT OF TRANSFORMER/SWITCHGEAR DOORS AND FIVE (5) FEET ON EACH SIDE.

Disclaimer

IN APPROVING THIS PLAT, PUBLIC SERVICE COMPANY OF NEW MEXICO (PSC), QWEST CORPORATION D/B/A CENTURYLINK OC AND NEW MEXICO GAS COMPANY (NMGC) DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES SHOWN HEREON. CONSEQUENTLY, PSC, QWEST CORPORATION D/B/A CENTURYLINK OC AND NMGC DO NOT WAIVE OR RELEASE ANY EASEMENT OR EASEMENT RIGHTS WHICH HAVE BEEN GRANTED BY PRIOR PLAT, REPLAT OR OTHER DOCUMENT AND WHICH ARE NOT SHOWN SPECIFICALLY DESCRIBED AND ON THIS PLAT.

DOCH 2023016713

03/21/2023 01:13 PM Page: 1 of 2
 PLAT R-325-00-B-2023C-P-0017 Linda Stover, Bernalillo County

Legal Description

A TRACT OF LAND SITUATE WITHIN SECTION 12, T. 10 N. R. 3 E., NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF TRACTS "A" AND "B", BLOCK 101 BEL-AIR, A SUBDIVISION, ALBUQUERQUE, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK, BERNALILLO COUNTY, NEW MEXICO, ON OCTOBER 18, 1979, IN VOLUME C15, FOLIO 141, SAID TRACT BEING MORE PARTICULARLY DESCRIBED BY NEW MEXICO STATE PLANE COORDINATE BEARINGS (CENTRAL ZONE-NORTH AMERICAN DATUM 1983) AND GROUND DISTANCES (US SURVEY FOOT) AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE TRACT HEREIN DESCRIBED, LYING ON THE INTERSECTION OF THE SOUTH RIGHT OF WAY LINE OF MENAUL BOULEVARD, N.E., AND THE EAST RIGHT OF WAY LINE OF CAGUA DRIVE, N.E., FROM WHENCE A BE TO AGRS MONUMENT 18_H12 BEARS N 86°28'32" W, A DISTANCE OF 966.96 FEET;

THENCE FROM SAID POINT OF BEGINNING, CONTINUING ALONG SAID SOUTH RIGHT OF WAY LINE, S 89°33'36" E, A DISTANCE OF 255.05 FEET TO A POINT OF CURVATURE,

THENCE LEAVING SAID SOUTH RIGHT OF WAY LINE, ALONG A CURVE TO THE RIGHT, HAVING AN ARC LENGTH OF 31.49 FEET, A RADIUS OF 19.95 FEET, A DELTA ANGLE OF 80°16'10", A CHORD BEARING OF S 44°33'22" E, AND A CHORD LENGTH OF 28.33 FEET, TO A POINT LYING ON THE WEST RIGHT OF WAY LINE OF SAN PEDRO BOULEVARD N.E., MARKED BY A FOUND CHISELED "X";

THENCE CONTINUING ALONG SAID WEST RIGHT OF WAY LINE, S 00°44'49" W, A DISTANCE OF 129.62 FEET TO THE SOUTHEAST CORNER OF DESCRIBED TRACT, LING ON THE INTERSECTION OF SAID WEST RIGHT OF WAY LINE AND THE NORTH RIGHT OF WAY LINE OF A PUBLIC ALLEY, MARKED BY A FOUND CHISELED "X";

THENCE CONTINUING ALONG SAID NORTH RIGHT OF WAY LINE, N 89°33'16" W, A DISTANCE OF 275.48 FEET TO THE SOUTHWEST CORNER OF DESCRIBED TRACT, LYING ON THE INTERSECTION OF SAID NORTH RIGHT OF WAY LINE AND THE EAST RIGHT OF WAY LINE OF CAGUA DRIVE N.E.;

THENCE CONTINUING ALONG SAID EAST RIGHT OF WAY LINE, N 00°51'28" E, A DISTANCE OF 150.05 FEET TO THE POINT OF BEGINNING, CONTAINING A GROSS AREA OF 0.9457 ACRE (41,197 SQUARE FEET); MORE OR LESS, NOW COMPRISING OF TRACT B-1, BLOCK 1, BEL-AIR SUBDIVISION

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPON. See attach ment
 PROPERTY OWNER OF RECORD:
McDonald's Real Estate Company
 BERNALILLO COUNTY TREASURER'S OFFICE:
2/21/23

Solar Note:

NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BINDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERRECTED ON THE LOTS OF PARCELS WITHIN THE AREA OF THIS PLAT.

Free Consent and Dedication

THE REPLAT SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER, EXISTING PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED AND/OR OVERHEAD DISTRIBUTION LINES, CONDUITS, AND PIPES FOR UNDERGROUND UTILITIES WHERE SHOWN OR INDICATED, AND INCLUDING THE RIGHT OF INGRESS AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS, SAID OWNER DOES HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED, SAID OWNERS WARRANT THAT THEY HOLD AMONG THEM COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE LAND SUBDIVIDED

SAID OWNER DOES HEREBY DEDICATE ADDITIONAL STREET AND PUBLIC RIGHTS OF WAY SHOWN HEREON TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS.

AUTHORIZED SIGNATORY
 McDONALD'S REAL ESTATE COMPANY, A DELAWARE CORPORATION

Acknowledgment

STATE OF ILLINOIS) SS
 COUNTY OF COOK)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 29 DAY OF September, 2020 BY
 AUTHORIZED SIGNATORY, McDONALD'S REAL ESTATE COMPANY, A DELAWARE CORPORATION

Lorraine Fortelka, Senior Counsel
 PRINT NAME AND TITLE

BY Lorraine Fortelka
 NOTARY PUBLIC

MY COMMISSION EXPIRES: 10-16-2023

OFFICIAL SEAL
 MORIAH S. HORTON
 NOTARY PUBLIC, STATE OF ILLINOIS
 My Commission Expires Oct. 16, 2023

Plat of
 Tract B-1, Block 101
Bel-Air

Section 12, Township 10 North, Range 3 East, N.M.P.M.
 Albuquerque, Bernalillo County, New Mexico
 September 2020

Project No. PR 2019-002738

Application No. SP 2020-00095

Utility Approvals

RJH 2/23/2021
 PNM DATE

U/C 1/25/2021
 NEW MEXICO GAS COMPANY DATE

Abdul A. Shuiyan 4/19/2021
 QWEST CORPORATION D/B/A CENTURYLINK OC DATE

COMCAST 4/3/20
 COMCAST DATE

City Approvals

Louise H. Risenhoover 1/27/2021
 CITY SURVEYOR DATE

Jeanne Wolfenbarger Jan 19, 2022
 Jeanne Wolfenbarger (Jan 19, 2022 12:41 MST) DATE
 TRAFFIC ENGINEERING, TRANSPORTATION DEPARTMENT

Blaine Carter Jan 19, 2022
 Blaine Carter (Jan 19, 2022 12:38 MST) DATE
 A.B.C. U.A.

Cheryl Somerfeldt Jan 19, 2022
 Cheryl Somerfeldt (Jan 19, 2022 12:40 MST) DATE
 PARKS AND RECREATION DEPARTMENT

Ernest Armijo 2/8/2021
 AMAFCA DATE

Ernest Armijo Jan 19, 2022
 CITY ENGINEER DATE

Jeff Palmer Jan 19, 2022
 Jeff Palmer (Jan 19, 2022 12:40 MST) DATE
 CODE ENFORCEMENT

Jeff Palmer Jan 19, 2022
 Jeff Palmer (Jan 19, 2022 12:40 MST) DATE
 CODE ENFORCEMENT

Jeff Palmer Jan 19, 2022
 Jeff Palmer (Jan 19, 2022 12:40 MST) DATE
 CODE ENFORCEMENT

Jeff Palmer Jan 19, 2022
 Jeff Palmer (Jan 19, 2022 12:40 MST) DATE
 CODE ENFORCEMENT

Surveyor's Certificate

I, LARRY W. MEDRANO, A REGISTERED NEW MEXICO PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY MEETING THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND OF THE MINIMUM STANDARDS FOR LAND SURVEYS AS ADOPTED BY THE N.M. BOARD OF LICENSURE FOR ENGINEERS AND SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT NO ENCROACHMENTS EXIST EXCEPT AS NOTED ABOVE AND THAT ALL IMPROVEMENTS ARE SHOWN IN THEIR CORRECT LOCATION RELATIVE TO RECORD BOUNDARIES AS LOCATED BY THIS SURVEY.

Larry W. Medrano 9/27/2020
 LARRY W. MEDRANO DATE
 N.M.P.S.

For Reference Only



COORDINATE AND DIMENSION INFORMATION				PLSS INFORMATION				INDEXING INFORMATION FOR COUNTY CLERK				PROJECT INFORMATION	
STATE PLANE ZONE: NM-C	GRID	TYPE STANDARD		LAND GRANT n/a	SECTION 12	TOWNSHIP 10 NORTH	RANGE 03 EAST	MERIDIAN NMPM	PROPERTY OWNER TRACT A: McDONALD'S REAL ESTATE COMPANY TRACT B: McDONALD'S CORPORATION	SUBDIVISION NAME BEL-AIR	JPC TRACT A=1-018-059-241-250-3281 / TRACT B=1-018-059-254-250-32809	CREW/TECH: MT	DATE OF SURVEY 06/20/2018
HORIZONTAL DATUM: NAD 83	VERTICAL DATUM: NAVD 86	REVISION NO. & DATE 0" 00' 00.00"	MATCHES DRAWING LINES YES									DRAWN BY: JK	CHECKED BY: LM
CONTROL USED: ALBUQUERQUE GEODETIC REFERENCE SYSTEM		BASE POINT FOR SCALING AND/OR ROTATION: N = 0 E = 0										PSI JOB NO. 15-7189P	SHEET NUMBER 1 OF 2
COMBINED SCALE FACTOR: GRID TO GROUND: 1.000336121		GROUND											
GROUND TO GRID: 0.999663992		ELEVATION TRANSLATION: GRID	ELEVATIONS VALID NO										

PRECISION
 SURVEYS, INC.

OFFICE LOCATION:
 9200 San Mateo Boulevard, NE
 Albuquerque, NM 87113
 505.856.5700 PHONE
 505.856.7900 FAX

RECORDING STAMP

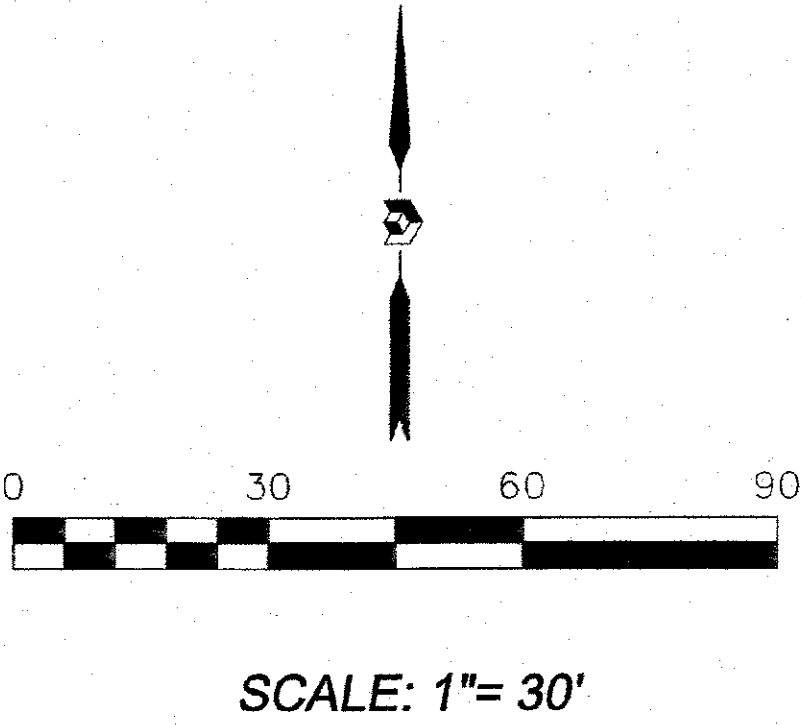
DOC# 2023016713

09/21/2023 01:13 PM Page: 2 of 2

PLAT R:326.00 S: 20230 P: 0017 Linda Stever, Bernalillo County

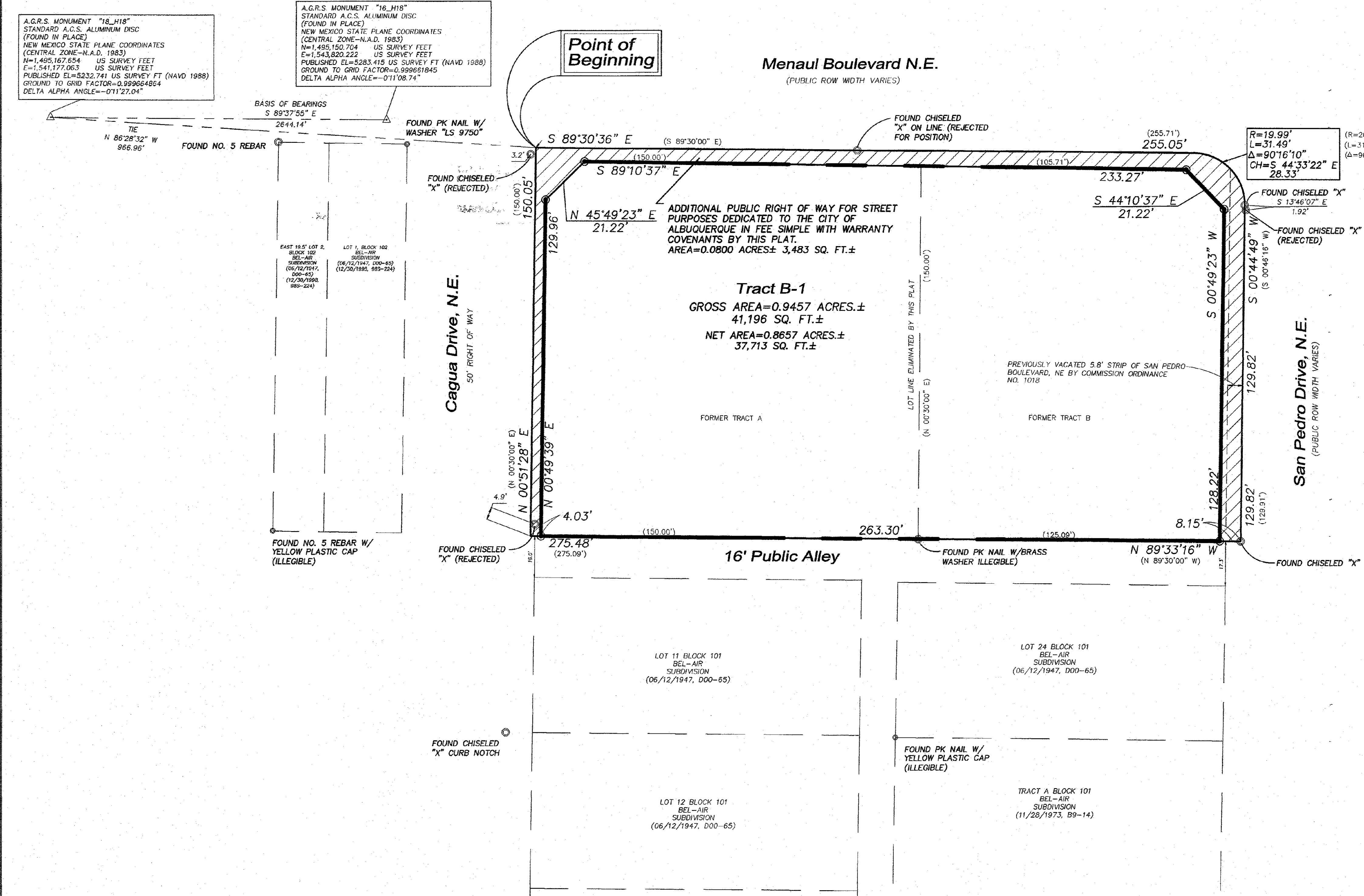
Plat of
Tract B-1, Block 101
Bel-Air

Section 12, Township 10 North, Range 3 East, N.M.P.M.
Albuquerque, Bernalillo County, New Mexico
December 2021



Legend

- N 90°00'00" E MEASURED BEARING AND DISTANCES
- (N 90°00'00" E) RECORD BEARINGS AND DISTANCES
- FOUND AND USED MONUMENT AS DESIGNATED
- DENOTES NO. 4 REBAR WITH YELLOW PLASTIC CAP "PS 11993" SET THIS SURVEY
- △ FOUND ALUMINUM A.G.R.S. MONUMENT AS DESIGNATED



For Reference Only

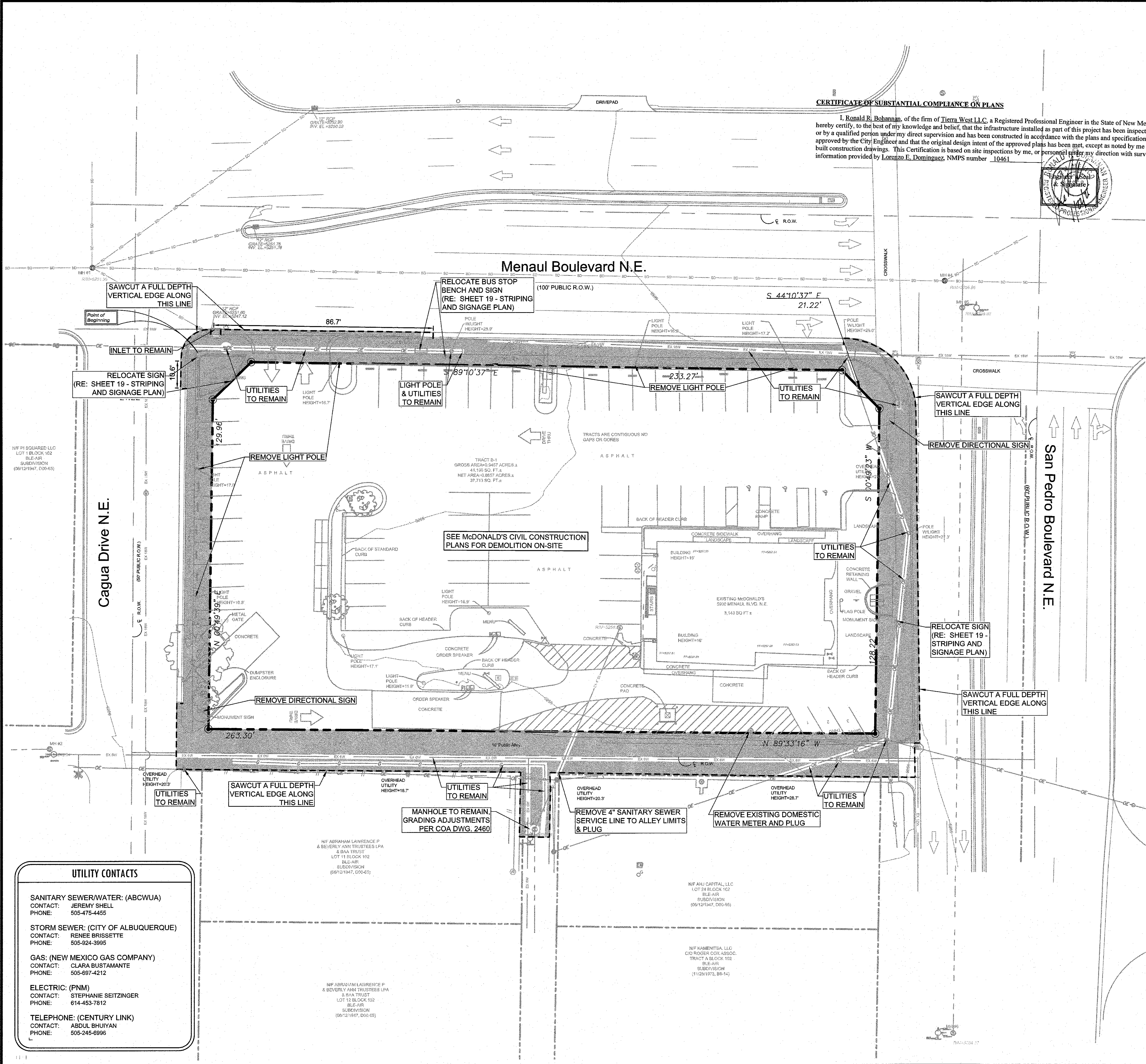
COORDINATE AND DIMENSION INFORMATION				PLSS INFORMATION				INDEXING INFORMATION FOR COUNTY CLERK				PROJECT INFORMATION	
STATE PLANE ZONE: NM-C	GRID /GROUND COORDINATES: GRID	TYPE: STANDARD		LAND GRANT n/a				PROPERTY OWNER TRACT A: McDONALDS REAL ESTATE COMPANY TRACT B: McDONALDS CORPORATION				CREW/TECH: MT	DATE OF SURVEY 06/20/2018
HORIZONTAL DATUM: NAD 83	VERTICAL DATUM: NAVD 88	ROTATION ANGLE: 0° 00' 00.00"	MATCHES DRAWING UNITS: YES	SECTION 12	TOWNSHIP 10 NORTH	RANGE 03 EAST	MERIDIAN NM PM	SUBDIVISION NAME BEL-AIR				DRAWN BY: JK	CHECKED BY: LM
CONTROL USED: ALBUQUERQUE GEODETIC REFERENCE SYSTEM				BASE POINT FOR SCALING AND/OR ROTATION: N = 0 E = 0				CITY ALBUQUERQUE				PSI JOB NO. 15-7189P	SHEET NUMBER 2 OF 2
COMBINED SCALE FACTOR: GRID TO GROUND: 1.000336121 GROUND TO GRID: 0.999663992				DISTANCE ANNOTATION: GROUND BEARING ANNOTATION: GRID				ELEVATION TRANSLATION: ±0.00'					
								ELEVATIONS VALID: NO					

PRECISION

SURVEYS, INC.

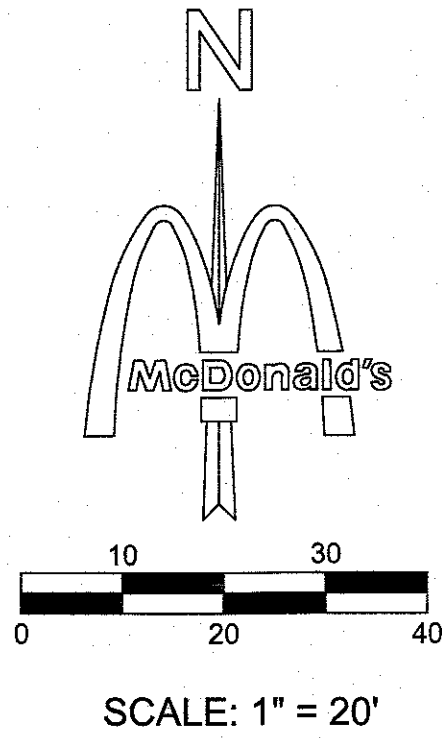
OFFICE LOCATION:
9200 San Mateo Boulevard, NE
Albuquerque, NM 87113

505.856.5700 PHONE
505.856.7900 FAX



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.



THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

LEGEND

- AREA OF REMOVAL (PAVEMENT, CURBS, SIGNS, SIDEWALK, ETC. UNLESS OTHERWISE NOTED)
- SAWCUT LINE

- *** DEMOLITION NOTES *****
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND PINS.
 - CONTRACTOR SHALL REMOVE PAVEMENT IN ACCORDANCE WITH SPECIFICATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO: DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB & GUTTER, SIDEWALKS, SIGNAGE, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
 - ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH SITE WORK SPECIFICATIONS.
 - CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURE. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, OR OTHER MEANS OF PROTECTION, INCLUDING BUT IS NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC.
 - CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRAFFIC CONTROL NECESSARY FOR DRIVE DEMOLITION/CONSTRUCTION.
 - STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE PAVEMENT MARKINGS OR STRIPING TO BE REMOVED.
 - REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
 - SAWCUTS ALONG ROAD MUST BE A FULL DEPTH VERTICAL CUT WITH A CLEAN EDGE. IF CLEAN CUT IS NOT ACHIEVED, CONTRACTOR MUST EXTEND THE CUT ONE FOOT FROM THE EDGE AND MAKE THE PATCH. SEE COA STD. DWG. 2465 FOR PAVEMENT REPAIRS.



UTILITY CONTACTS

SANITARY SEWER/WATER: (ABCWUA)
CONTACT: JEREMY SHELL
PHONE: 505-475-4455

STORM SEWER: (CITY OF ALBUQUERQUE)
CONTACT: RENEE BRISSETTE
PHONE: 505-924-3995

GAS: (NEW MEXICO GAS COMPANY)
CONTACT: CLARA BUSTAMANTE
PHONE: 505-697-4212

ELECTRIC: (PNM)
CONTACT: STEPHANIE SEITZINGER
PHONE: 614-453-7812

TELEPHONE: (CENTURY LINK)
CONTACT: ABDUL BHUYAN
PHONE: 505-245-6996

LANGAN
LANGAN Engineering and Environmental Services, Inc.
2999 Olympic Blvd, Suite 101 ■ Dallas, Texas 75019 ■ (817) 326-3300

CONSULTANTS

LANGAN JOB NO. 120015201
McDONALD'S L/C: 030-0001

BENCH MARKS

1. AGRS MONUMENT "16, H18" STD. AGRS ALUM. DISC FOUND IN PLACE
NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE N.A.D. 1983
N=1485.167.654 E=1541.177.683 PUBLISHED EL=5232.741 (NAVD 1989)
GROUND TO GRID FACTOR=0.99984864
DELTA ALPHA ANGLE=0°11'27.04"

2. AGRS MONUMENT "16, H18" STD. AGRS ALUM. DISC FOUND IN PLACE
NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE N.A.D. 1983
N=1485.167.704 E=1543.820.222 PUBLISHED EL=5232.415 (NAVD 1989)
GROUND TO GRID FACTOR=0.99981945
DELTA ALPHA ANGLE=0°11'28.174"

12/22/2023

MATTHEW DOWD
NEW MEXICO
25909
PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION	BY
1	12/22/2023	DESIGNED BY: HJM	HJM
2	12/22/2023	DRAWN BY: HJM	HJM
3	12/22/2023	CHECKED BY: ---	---
4	12/22/2023	DATE: NOV 2022	---
5	12/22/2023	DESIGNED BY: HJM	HJM
6	12/22/2023	DRAWN BY: HJM	HJM
7	12/22/2023	CHECKED BY: ---	---
8	12/22/2023	DATE: NOV 2022	---
9	12/22/2023	DESIGNED BY: HJM	HJM
10	12/22/2023	DRAWN BY: HJM	HJM
11	12/22/2023	CHECKED BY: ---	---
12	12/22/2023	DATE: NOV 2022	---

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DEMO PLAN

McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM

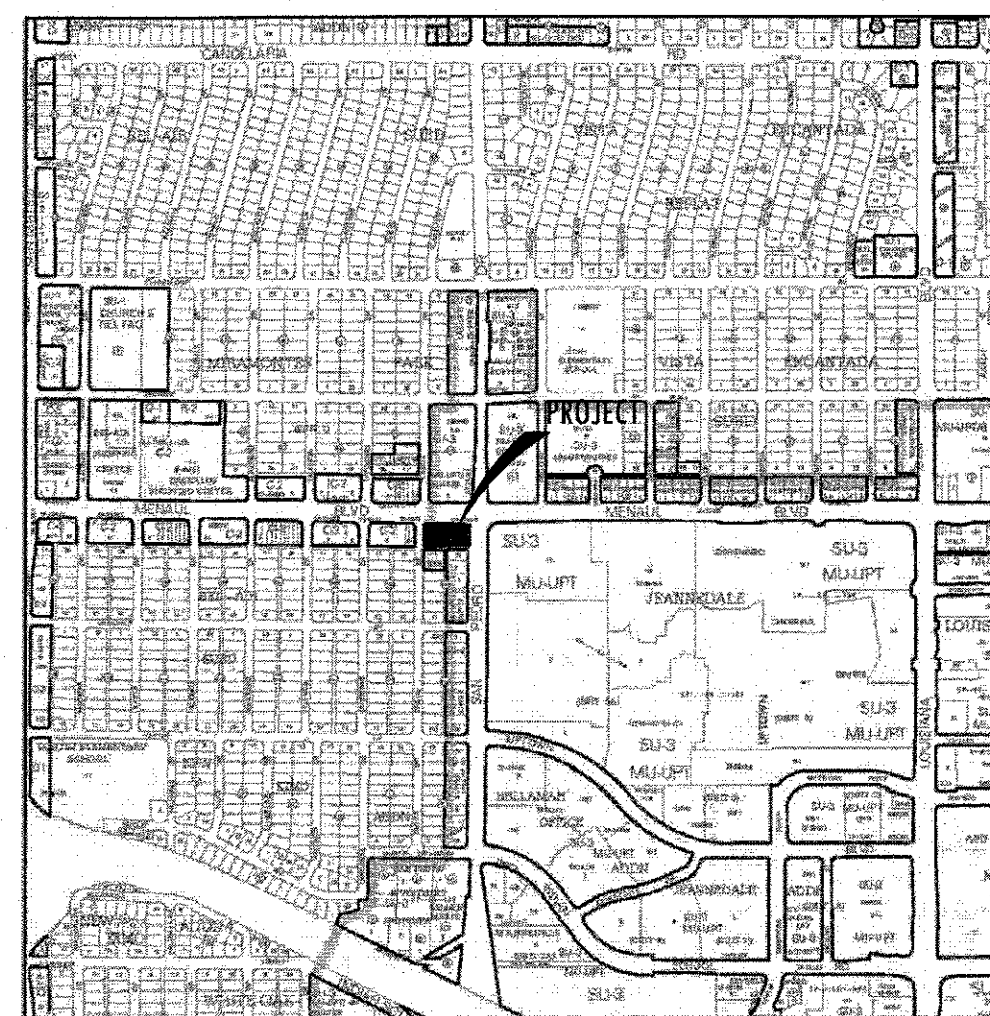
DESIGN REVIEW COMMITTEE: APPROVED Jan. 19, 2024

CITY ENGINEER APPROVAL: APPROVED Jan. 23, 2024

ZONE MAP NO. H-18

CITY PROJECT NO. 409180

SHEET NO. 5

VICINITY MAP (ZONE ATLAS H-18-Z)
N.T.S.NOTE:
NO WORK SHALL BE PERFORMED IN THE
PUBLIC R.O.W. WITHOUT AN APPROVED
WORK ORDER OR EXCAVATION PERMIT.NOTE:
REFER TO SHEET C8.1 FOR STORM CALCULATIONS.

BENCHMARK

- A.G.R.S. MONUMENT "18_H18"
STANDARD A.G.R.S. ALUMINUM DISC
(FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,495,167.654
E=1,541,177.063
PUBLISHED EL=5232.741 (NAVD 1988)
GROUND TO GRID FACTOR=0.999664864
DELTA ALPHA ANGLE=0°11'27.04"
- A.G.R.S. MONUMENT "16_H18"
STANDARD A.G.R.S. ALUMINUM DISC
(FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES
(CENTRAL ZONE-N.A.D. 1983)
N=1,495,150.704
E=1,543,820.222
PUBLISHED EL=5283.415 (NAVD 1988)
GROUND TO GRID FACTOR=0.999661845
DELTA ALPHA ANGLE=0°11'08.74"

** FEMA NOTE **

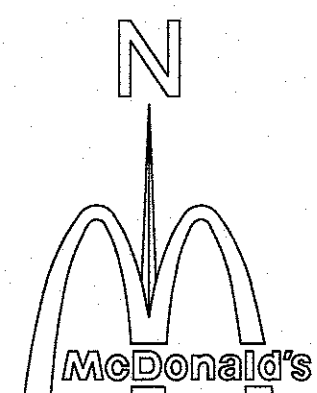
According to Map No. 35001C0352H, Dated AUGUST 16, 2012, of the Federal Emergency Management Agency, National Flood Insurance Program Map, this property is within flood zone "X", areas determined to be outside the 0.2% annual chance floodplain. If this site is not within an identified special flood hazard area, this flood statement does not imply that the property and/or the structures thereon will be free from flooding or flood damage. On rare occasions, greater floods can and will occur and flood heights may be increased by man-made or natural causes. This statement shall not create liability on the part of Langan Engineering.

LEGEND

- TC = PROPOSED TOP OF CURB
TP = PROPOSED TOP OF PAVEMENT
FG = PROPOSED FINISHED GRADE
FF = PROPOSED FINISHED FLOOR
TI = PROPOSED TOP OF INLET
- SWALE
--- GRADE BREAK
--- RIDGE LINE
--- XXX --- EXISTING CONTOUR
--- XXX --- PROPOSED CONTOUR
--- LEVEL LANDING @ 2% MAX SLOPE IN ANY DIRECTION

LEGAL DESCRIPTION

TRACT B-1, BLOCK 101
BEL-AIR SUBDIVISION
CITY OF ALBUQUERQUE,
FILED IN THE OFFICE OF THE COUNTY CLERK,
BERNALILLO COUNTY, NEW MEXICO, ON
MARCH 21, 2023 IN DOC# 2023016713



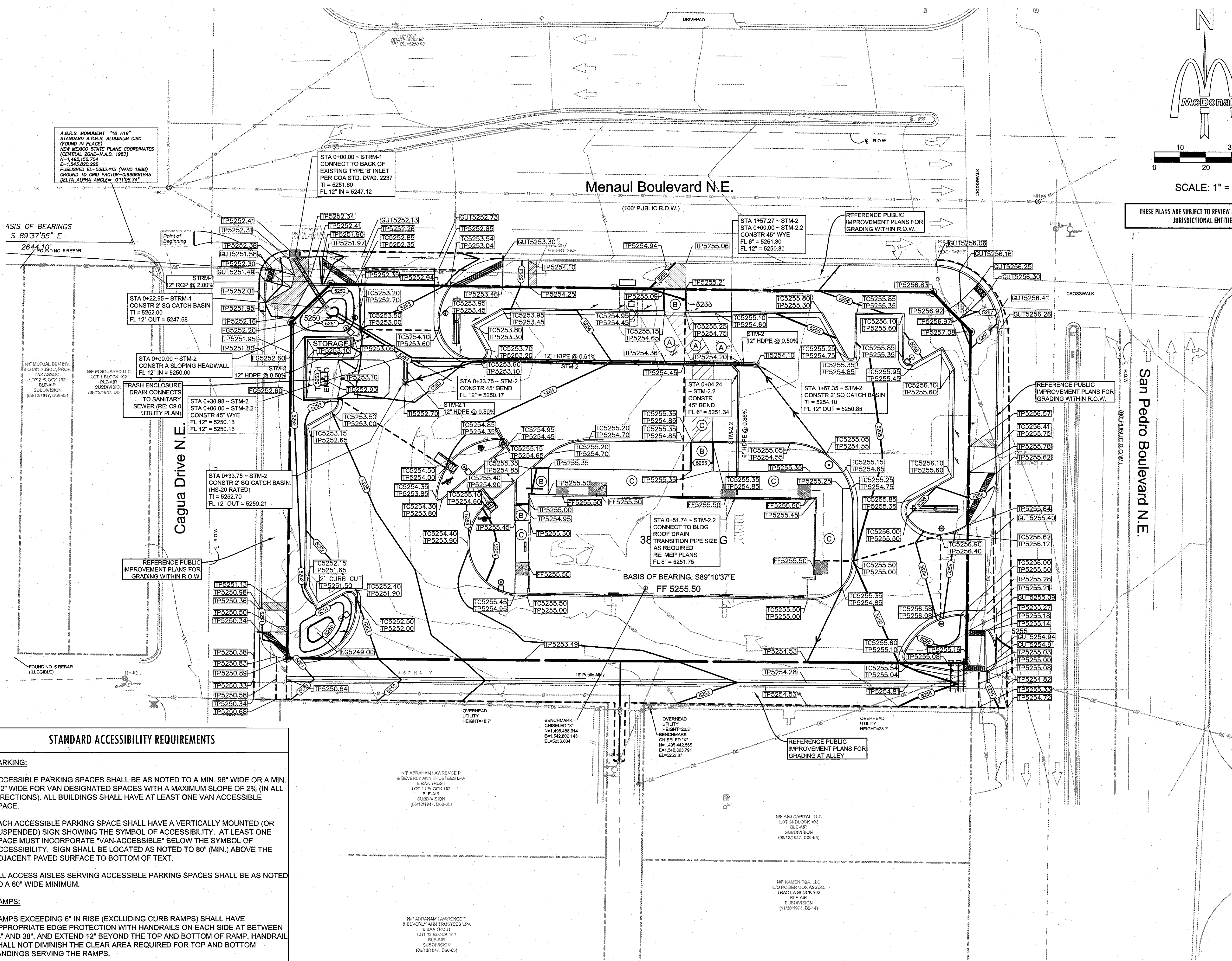
SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY
JURISDICTIONAL ENTITIES.

San Pedro Boulevard N.E.

Menaul Boulevard N.E.

(100' PUBLIC R.O.W.)



STANDARD ACCESSIBILITY REQUIREMENTS

A) PARKING:

ACCESSIBLE PARKING SPACES SHALL BE AS NOTED TO A MIN. 96" WIDE OR A MIN. 132" WIDE FOR VAN DESIGNATED SPACES WITH A MAXIMUM SLOPE OF 2% (IN ALL DIRECTIONS). ALL BUILDINGS SHALL HAVE AT LEAST ONE VAN ACCESSIBLE SPACE.

EACH ACCESSIBLE PARKING SPACE SHALL HAVE A VERTICALLY MOUNTED (OR SUSPENDED) SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. AT LEAST ONE SPACE MUST INCORPORATE "VAN-ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. SIGN SHALL BE LOCATED AS NOTED TO 80" (MIN.) ABOVE THE ADJACENT PAVED SURFACE TO BOTTOM OF TEXT.

ALL ACCESS AISLES SERVING ACCESSIBLE PARKING SPACES SHALL BE AS NOTED TO A 60" WIDE MINIMUM.

B) RAMPS:

RAMPS EXCEEDING 6" IN RISE (EXCLUDING CURB RAMPS) SHALL HAVE APPROPRIATE EDGE PROTECTION WITH HANDRAILS ON EACH SIDE AT BETWEEN 34" AND 38", AND EXTEND 12" BEYOND THE TOP AND BOTTOM OF RAMP. HANDRAIL SHALL NOT DIMINISH THE CLEAR AREA REQUIRED FOR TOP AND BOTTOM LANDINGS SERVING THE RAMPS.

IF REQUIRED BY LOCAL OR STATE JURISDICTION, RAMPS SHALL CONTAIN A TRUNCATED DOME SURFACE ARRANGED SO THAT WATER WILL NOT ACCUMULATE. COLOR OF RAMP FINISH MATERIAL (INCLUDING CONCRETE) SHALL HAVE A LIGHT AND REFLECTIVE VALUE AND MUST CONTRAST SIGNIFICANTLY TO DISTINGUISH IT FROM ADJACENT SURFACES - (OR PAINT STRIPE).

LANDINGS FOR RAMPS SHALL BE AS WIDE AS THE RAMP AND 60" LONG MINIMUM (36" MINIMUM FOR CURB RAMPS).

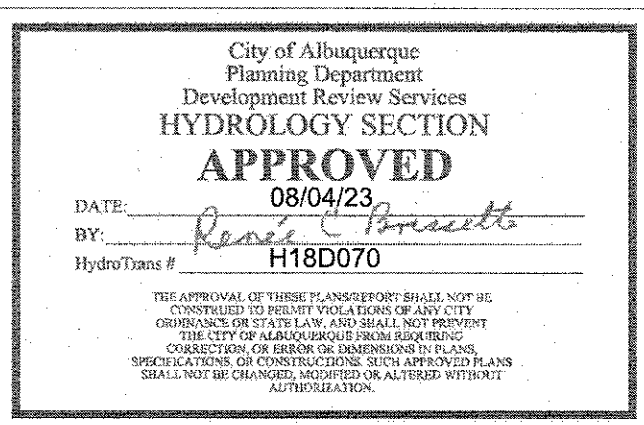
RAMPS SHALL NOT EXCEED A 1:12 RUNNING SLOPE OR 30° VERTICAL RISE.

RAMPS AND LANDING SHALL NOT EXCEED 1:48 (2% CROSS SLOPE).

C) SIDEWALKS AND ACCESSIBLE ROUTES:

SIDEWALKS MUST BE AT LEAST 36" WIDE WITH A CROSS SLOPE THAT SHALL NOT EXCEED 1:48 (2%).

LONGITUDINAL SLOPE OF ANY SIDEWALK (ACCESSIBLE ROUTE) SHALL NOT EXCEED 1:20 (5%).

Know what's below.
Call before you dig.

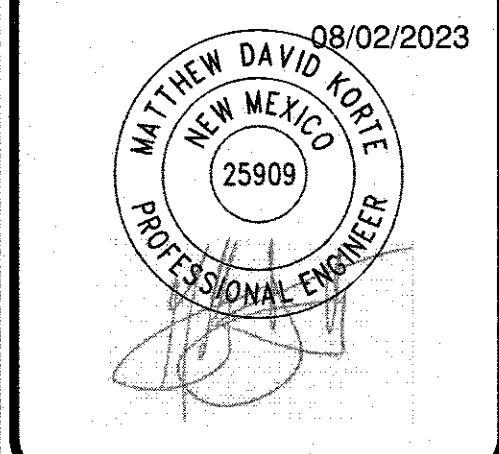
REV	DATE	DESCRIPTION	ISSUE FOR PERMIT
08/02/2023			

LANGAN

LANGAN JOB NO.: 520101201

LANGAN Engineering and Environmental Services, Inc.

2999 Olympus Blvd, Suite 105 • Dallas, Texas 75019 • (972) 238-3200



OFFICE	LONG BEACH FIELD OFFICE	ADDRESS	110 N. CARPENTER ST., CHICAGO, IL 60607
DATE			
PLAN APPROVALS			
SIGNATURE (2 REQUIRED)			
REGIONAL MGR.			
COUNT. MGR.			
OPERATIONS DEPT.			
REAL ESTATE DEPT.			
CONTRACTOR			
OWNER			

DESIGNED	MAR 2023	HJM
DRAWN	MAR 2023	HJM
CHECKED	MAY 2023	TNT
AS-BUILT		

GRADING PLAN

C7.0

FILE PATH: C:\Engineering\Drawings\2023\030 PRE-DEVELOPED DRAINAGE PLAN

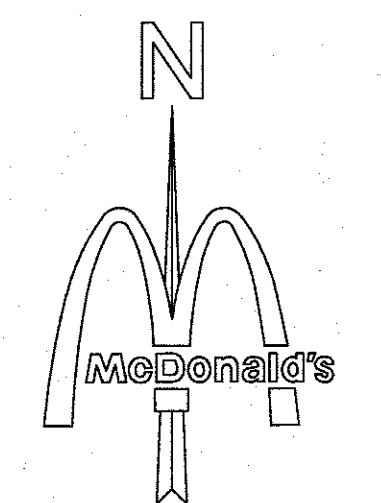
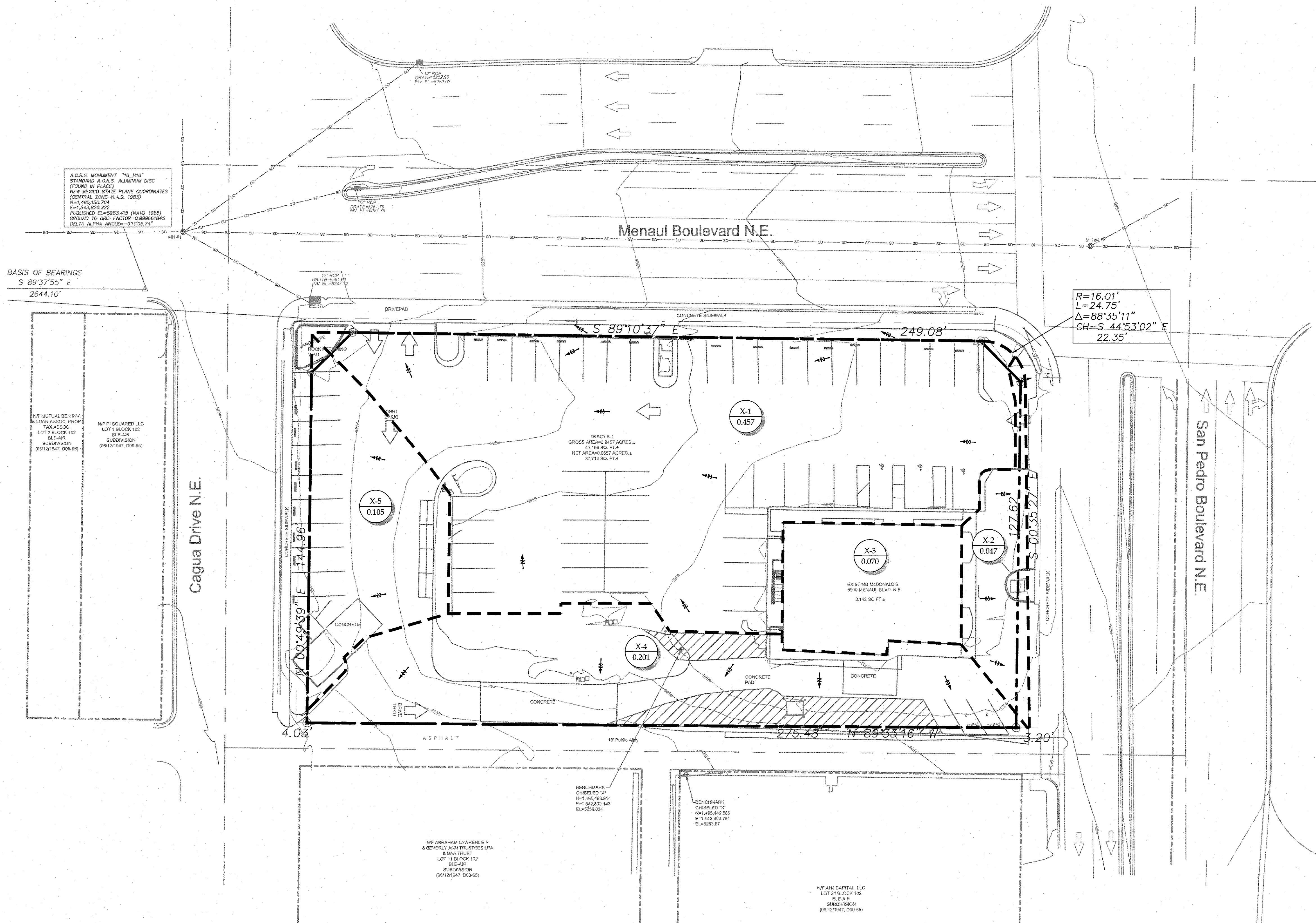
PLOTTER: BWG 10 PDF 3x3

PLOT TIME: 2:02:48 PM

PLOT DATE: Wednesday, August 02, 2023

PLOTTED BY: Heather Moschler

FILENAME: 030 PRE-DEVELOPED DRAINAGE PLAN.dwg

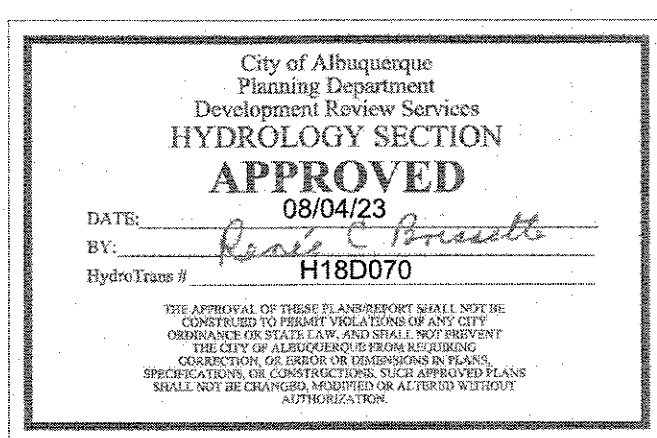


SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

BENCHMARK

- A.G.R.S. MONUMENT "18 H18" STANDARD A.G.R.S. ALUMINUM DISC (FOUND IN PLACE) NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE-N.A.D. 1983) N=1,495,167.654 E=1,541,177.063 PUBLISHED EL=5232.741 (NAVD 1988) GROUND TO GRID FACTOR=0.999664864 DELTA ALPHA ANGLE=0°11'27.04"
- A.G.R.S. MONUMENT "16 H18" STANDARD A.G.R.S. ALUMINUM DISC (FOUND IN PLACE) NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE-N.A.D. 1983) N=1,495,150.704 E=1,543,820.222 PUBLISHED EL=5283.415 (NAVD 1988) GROUND TO GRID FACTOR=0.999661845 DELTA ALPHA ANGLE=0°11'08.74"



Know what's below. Call before you dig.

LEGEND

- DRAINAGE AREA LINE
- - - XXX - - - EXISTING CONTOUR
- (X XXX) DRAINAGE AREA NUMBER DRAINAGE AREA (ACRES)
- > EXISTING DRAINAGE DIRECTION

PRE-DEVELOPMENT 100-YEAR, 6-HOUR RUNOFF CALCULATIONS									
Basin ID	Area (ac)	Land Treatment Condition				Excess Precipitation (in)	Volume (acft)	Peak Discharge (cfs)	Remarks
		A	B	C	D				
X-1	0.457	0.000	0.000	0.014	0.443	2.29	0.09	2.27	Sheet flow North to Menaul Blvd
X-2	0.047	0.000	0.038	0.017	0.030	2.31	0.01	0.31	Sheet flow East to San Pedro Blvd
X-3	0.070	0.000	0.000	0.000	0.070	2.36	0.01	0.35	Roof flow to other drainage areas
X-4	0.201	0.000	0.000	0.020	0.181	2.14	0.04	0.98	Sheet flow South to alley
X-5	0.105	0.000	0.000	0.007	0.098	2.21	0.02	0.51	Sheet flow West to Cagua Dr
Total	0.880	0.000	0.038	0.057	0.822	11.219	0.165	4.425	

Note: Calculations in accordance with the City of Albuquerque Development Process Manual, Chapter 22. The site is in Precipitation Zone 3.

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK
01	08/02/2023	ISSUE FOR DRB HYDROLOGY REVIEW	HJM	

LANGAN

LANGAN Engineering and Environmental Services, Inc.
2999 Olympus Blvd, Suite 105 • Dallas, Texas 75019 • (817) 336-2300

LANGAN JOB NO.: 520015201

08/02/2023

MATTHEW DAVID KORTE
NEW MEXICO
25909
PROFESSIONAL ENGINEER

McDonald's USA, LLC

5900 MENAUL BLVD NE ALBUQUERQUE, NM

PLANNING DEPARTMENT

HYDROLOGY SECTION

APPROVED

08/04/23

Ryan C. Brissett

HydroTeam # H18D070

PLAN APPROVALS

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
CONST. MGR.	
OPERATIONS DEPT.	
REAL ESTATE DEPT.	

CO-SIGN SIGNATURES

CONTRACTOR	OWNER

DESIGNED	DATE	BY
	APR 2020	MDK

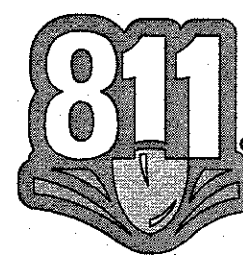
DRAWN	DATE	BY
	APR 2020	MDK

CHECKED	DATE	BY
	MAY 2023	TNT

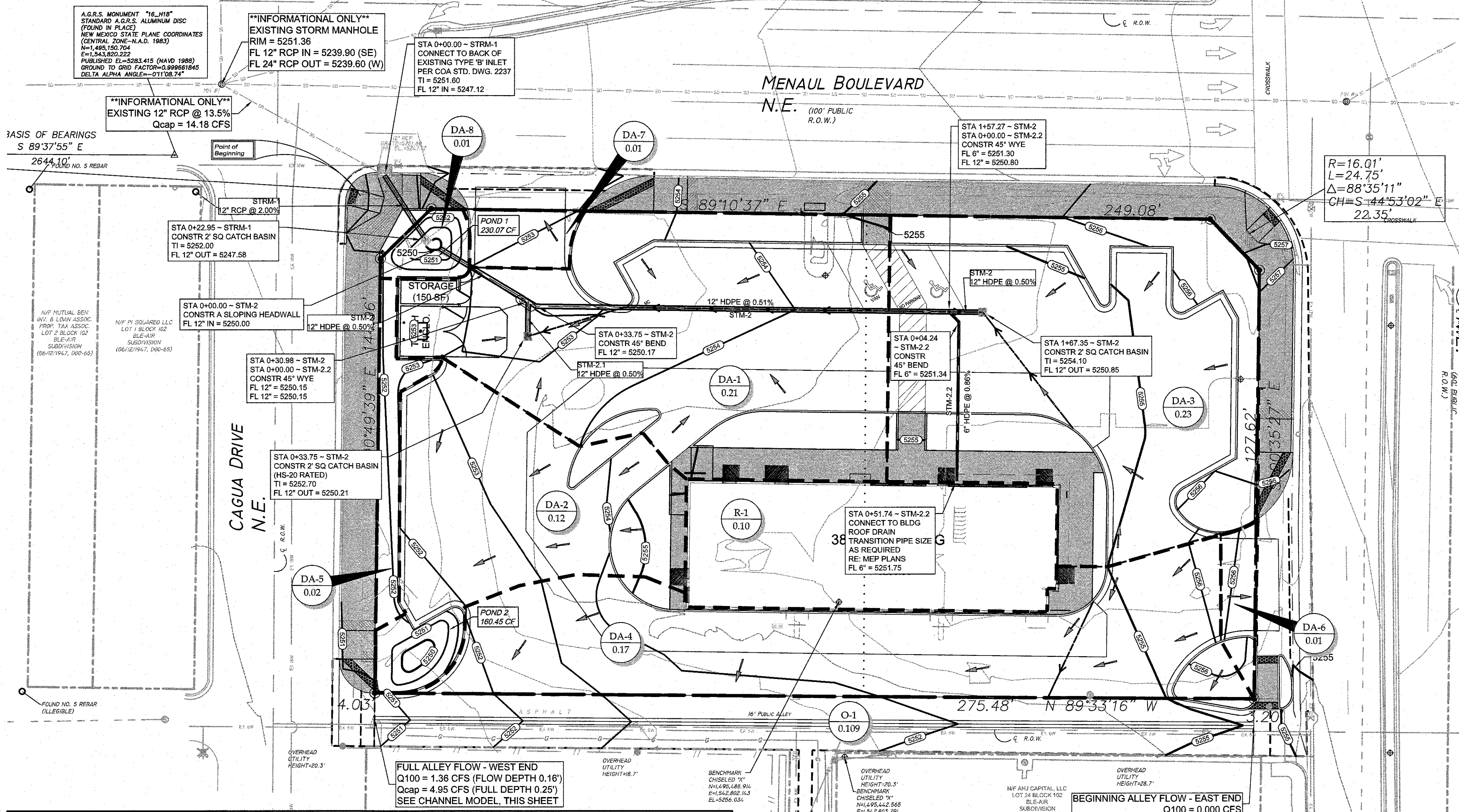
AS-BUILT

PRE-DEVELOPED DRAINAGE PLAN

C8.0



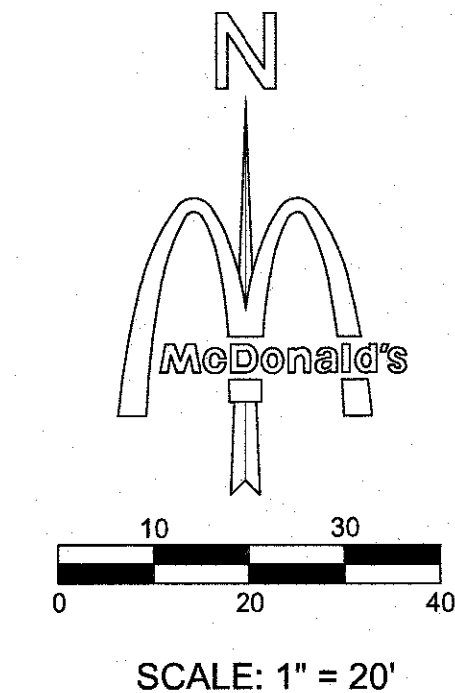
Know what's below.
Call before you dig.



BENCHMARK

1. A.G.R.S. MONUMENT "18_H18"
STANDARD A.G.R.S. ALUMINUM DISC
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NOTE:
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Channel Report

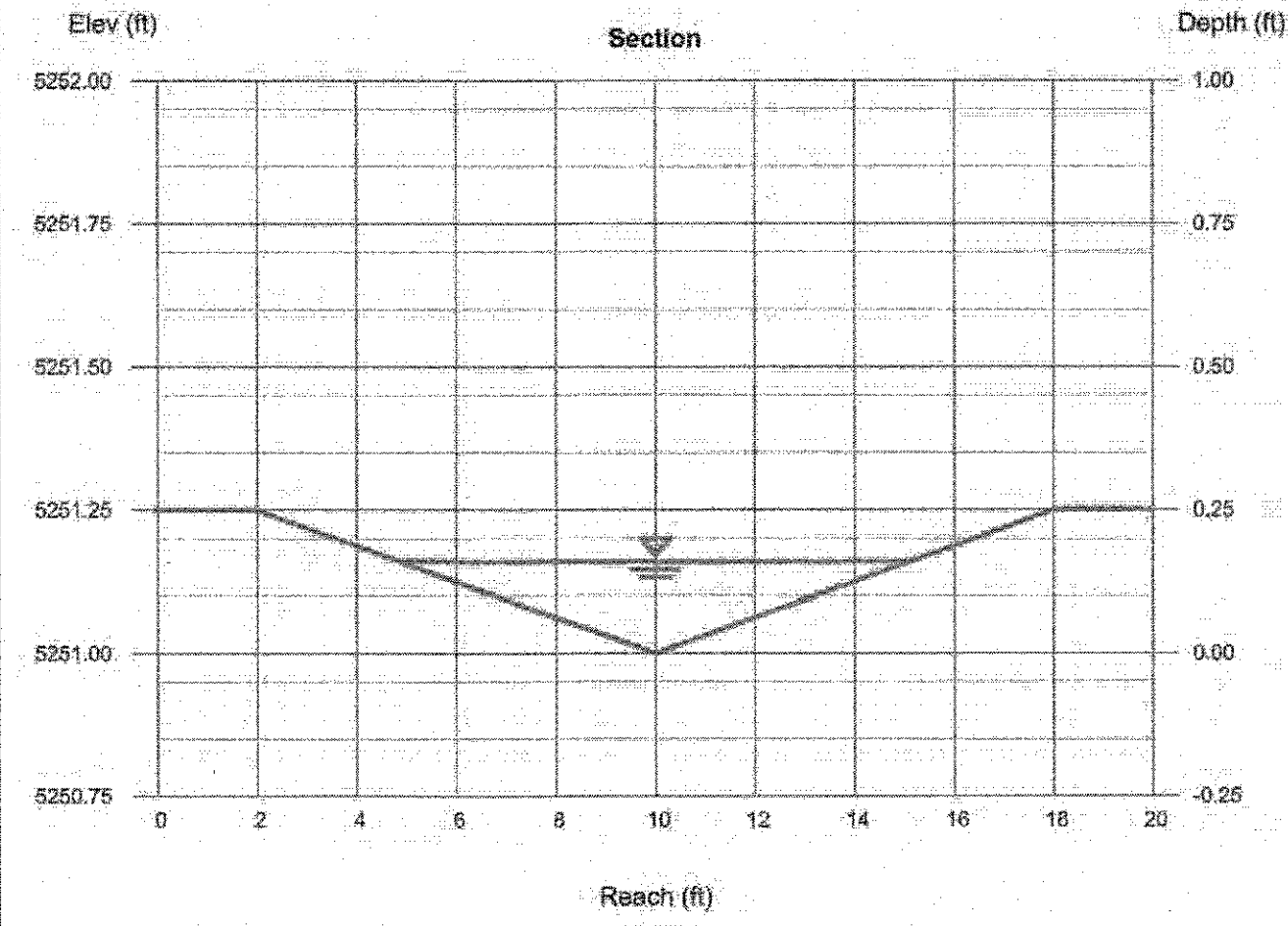
Hydrology Express Estimation for Autodesk® Civil 3D® by Autodesk, Inc.

Wednesday, Mar 22, 2023

<Name>

Triangular
Side Slopes (Z:1) = 32.00, 32.00
Total Depth (ft) = 0.25
Invert Elev (ft) = 5251.00
Slope (%) = 1.00
N-Value = 0.015
Calculations
Compute by: Known Q
Known Q = 1.36

Highlighted
Depth (ft) = 0.16
Q (cfs) = 1.360
Area (sqft) = 0.82
Velocity (ft/s) = 1.66
Wetted Perim (ft) = 10.25
Crib Depth, Yc (ft) = 0.17
Top Width (ft) = 10.24
EGL (ft) = 0.20



ALLEY POST-DEVELOPMENT 100-YEAR, 6-HOUR RUNOFF CALCULATIONS									
Drainage Area Number	Area (ac)	Land Treatment Condition				Excess Precipitation (in)	Volume (ac-ft)	Peak Discharge (cfs)	Remarks
O-1	0.109	A	B	C	D	2.36	0.02	0.55	Alleyway generated flow
A-1	0.164	0.000	0.000	0.009	0.155	2.24	0.03	0.81	McDonald's sheet flow to alleyway
Total	0.273	0.000	0.000	0.009	0.264	4.598	0.052	1.355	Total flow through alleyway at West End

Note: Calculations in accordance with the City of Albuquerque Development Process Manual. The site is in Precipitation Zone 3.

FIRST FLUSH VOLUME CALCULATIONS					
Basin ID	Impervious Area (Ac)	SWQV Req.(cf) ⁽¹⁾	SWQV Provided (cf) ⁽²⁾	Pond #	Deficiency / Surplus (cf)
DA-1, DA-3, DA-8, R-1	0.434	409	230	1	179
DA-2	0.092	86	160	2	0
DA-4	0.164	155	0	N/A	155
DA-5	0.000	0	0	N/A	0
DA-6	0.009	8	0	N/A	8
DA-7	0.013	12	0	N/A	12
Total	0.710	670	391	N/A	280

Footnotes:
(1) - Required volume is 0.26" from the impervious surface (re-development)
Payment in Lieu for 284 CF @ \$8/CF = \$2,240

POST-DEVELOPMENT 100-YEAR, 6-HOUR RUNOFF CALCULATIONS									
Basin ID	Area (ac)	Land Treatment Condition				Excess Precipitation (in)	Volume (ac-ft)	Peak Discharge (cfs)	Remarks
DA-1	0.21	0.00	0.00	0.04	0.17	1.95	0.03	0.98	Flows to inlet then piped to Pond 1
DA-2	0.12	0.00	0.00	0.02	0.09	1.88	0.02	0.55	Sheet flow to Pond 2, then to Cagua Dr
DA-3	0.23	0.00	0.00	0.06	0.17	1.77	0.03	1.05	Flows to inlet then piped to Pond 1
DA-4	0.17	0.00	0.00	0.00	0.16	2.30	0.03	0.84	Sheet flow to off-site alleyway
DA-5	0.02	0.00	0.00	0.02	0.00	0.13	0.00	0.06	Sheet flow off site to Cagua Drive
DA-6	0.01	0.00	0.00	0.00	0.01	1.92	0.00	0.05	Sheet flow off site to San Pedro Blvd
DA-7	0.01	0.00	0.00	0.00	0.01	2.36	0.00	0.06	Sheet flow off site to Menaul Blvd
DA-8	0.01	0.00	0.00	0.01	0.00	0.13	0.00	0.03	Flows to Pond 1
R-1	0.10	0.00	0.00	0.00	0.10	2.36	0.02	0.49	Roof drain piped to Pond 1
Total	0.87	0.00	0.00	0.16	0.71	14.80	0.14	4.11	

Note: Calculations in accordance with the City of Albuquerque Development Process Manual. The site is in Precipitation Zone 3.

FIRST FLUSH VOLUME SUMMARY				
Total Impervious Area	30,942.01 SF	(0.710 acres)		
Required Retention Volume	(0.26 in/acre) =	670 cubic feet		
Retention Volume Provided	=	391 cubic feet		

POND 1 STAGE-STORAGE VOLUME					
Elevation	Area (sq. ft.)	Avg. Area (sq. ft.)	Inc. Depth (ft.)	Inc. Volume (cu. ft.)	Total Volume (cu. ft.)
5250	10.36				0.00
5251	97.02	53.69	1.00	53.69	53.69
5252	255.73	176.38	1.00	176.38	230.07

POND 2 STAGE-STORAGE VOLUME					
Elevation	Area (sq. ft.)	Avg. Area (sq. ft.)	Inc. Depth (ft.)	Inc. Volume (cu. ft.)	Total Volume (cu. ft.)
5249	0	28.42	1	28.42	0
5250	56.84				28.42
5251	207.21	132.025	1	132.025	160.45

Site Location - The site is located on an approximately 0.880 acres at the Southwest corner of Menaul Blvd., N.E. and San Pedro Blvd. The site is bordered to the West by Cagua Dr., N.E. and to the South by an alleyway adjacent to residences. Proposed construction will include the demolition and complete rebuild of the existing McDonald's restaurant with associated paving, grading, landscaping, and utility infrastructure.

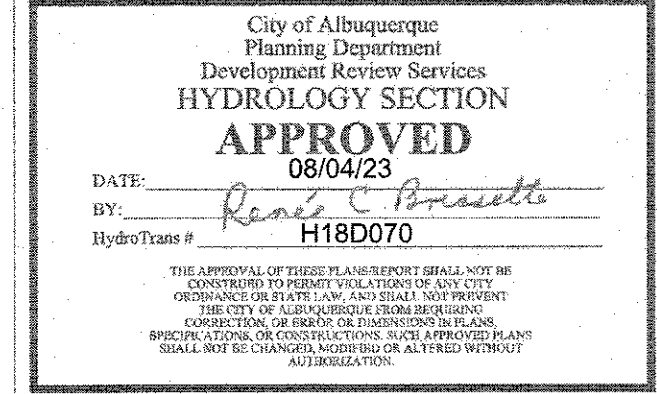
Methodology - The proposed storm water management system will be evaluated in accordance with Chapter 22 of the City of Albuquerque Development Process Manual. The site is located in Bernalillo County Precipitation Zone 3. The 100-year, 6-hour frequency rainfall event will be used to calculate peak discharge rates and runoff volumes under existing and proposed conditions.

Existing Conditions - Storm water runoff generally drains from the east to the west across the site under existing conditions. Roof drains deposit through downspouts and sheet flow away from the building through the parking lot. Some sheet flow is concentrated through the existing driveway entrance along Menaul Blvd. on the Northwest corner of the site which ultimately deposits into the city storm drain system. Additional sheet drainage flows off the site along the South property line to the alley and ultimately into Cagua Dr., N.E. Minor flow exits the site to the East through two separate driveways along San Pedro Blvd., N.E.

Proposed Conditions - Under proposed conditions, nearly all site flow will be sheet flow directed to first flush detention basins located around the site. The roof downspout will drain through a storm pipe to Basin 1 and ultimately into the grate inlet on Menaul Blvd., N.E. Drainage areas DA-1 and DA-3 will be captured by inlets then drain through a storm pipe to Basin 1 and ultimately into the grate inlet on Menaul Blvd., N.E. Drainage area DA-2 will sheet flow through the parking lot to be captured in Basin 2. These first flush detention zones have a total Stormwater Quality capacity of 391 cubic feet which does not meet the first flush requirement of 675 cubic feet. Overall, approximately half the site drains through these first flush zones resulting in an overall stormwater quality volume deficiency of 280 cubic feet. This deficiency will be offset by paying a fee-in-lieu of \$2,240.00. A small portion of the site on the Southern side drains directly to an adjacent alleyway which is unavoidable, but also matches existing conditions. Discharge from first flush zones will mimic current off-site flow to locations around the site.

Surrounding 20' - The areas around the site consist of roadways to the West, North, and East which are crowned in the middle with drainage towards curb/gutter. The South side of the site consists of an adjacent public alleyway that will be re-built with the project. All drainage patterns in the 20' perimeter around the site will remain similar in the developed condition.

Conclusions - The overall amount of impervious area at this site will be reduced under the proposed conditions. Because the original site was developed prior to a first flush capture requirement, none of the flow at the existing site is being captured prior to flowing off the site; however, under proposed conditions, over half of the site-generated flow will be captured prior to flowing off the site. Further, quality/quantity of flow should be improved when compared to the existing site.



LEGEND

- DRAINAGE AREA LINE
- - - XXX - - - EXISTING CONTOUR
- XXX --- PROPOSED CONTOUR
- X XXX DRAINAGE AREA NUMBER
- XXX DRAINAGE AREA (ACRES)
- PROPOSED DRAINAGE DIRECTION

LANGAN JOB NO.: 520015201

LANGAN

LANGAN Engineering and Environmental Services, Inc.
2999 Olympus Blvd, Suite 405 • Dallas, Texas 75019 • (817) 238-2300

DATE: 08/02/2023

DESCRIPTION: ISSUE FOR PERMIT

REV: 08/02/2023

08/02/2023

MATTHEW DAVID FORTE

NEW MEXICO

25909

PROFESSIONAL ENGINEER

OFFICE: LONG BEACH FIELD OFFICE

ADDRESS: 110 N. CARPENTER ST., CHICAGO, IL 60607

DATE: 08/04/23

BY: Renee C. Bransette

HydroTeam # H18D070

PLAN APPROVALS

SIGNATURE (2 REQUIRED)

REGIONAL MGR.

CONST. MGR.

OPERATIONS DEPT.

REAL ESTATE DEPT.

CO-SIGN SIGNATURES

CONTRACTOR

OWNER

DESIGNED: APR 2020 RMS

DRAWN: APR 2020 RMS

CHECKED: MAY 2023 HJM

AS-BUILT

POST-DEVELOP DRAINAGE PLAN

C8.1

EROSION CONTROL NOTES

- CONTRACTOR MUST COMPLETE A CONSTRUCTION SITE NOTICE, OBTAIN SIGNED COPIES OF NOI FORM FOR BOTH OWNER AND CONTRACTOR (IF APPLICABLE TO THIS SITE), AND POST THEM AT THE CONSTRUCTION SITE, IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES IN NEW MEXICO (NM-2015-50), THE GENERAL CONTRACTOR, (AND ALL SUBCONTRACTORS INVOLVED WITH ANY CONSTRUCTION ACTIVITY RELATED TO EARTHWORK, EROSION CONTROL, ETC., OR WHICH UTILIZE POSSIBLE POLLUTANTS AS DEFINED IN THE NPDES GENERAL PERMIT) MUST BE FAMILIAR WITH THE CONTENTS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS WELL AS ALL THE REQUIREMENTS SET FORTH IN THE NPDES GENERAL PERMIT AND ANY APPLICABLE LOCAL PERMIT REQUIREMENTS, AND SHALL COMPLY WITH ALL SUCH REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION SHOWN HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR MAY REQUIRE THAT THE STORMWATER POLLUTION PREVENTION PLAN BE MODIFIED IN ACCORDANCE WITH THE NPDES GENERAL PERMIT GUIDELINES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS SITE.
- THE CONTRACTOR SHALL MODIFY THIS PLAN TO SHOW LOCATIONS OF TEMPORARY WASHDOWN AREAS, PORTABLE TOILETS, EQUIPMENT MAINTENANCE/REPAIR AREAS, FUEL STORAGE AREAS, CONCRETE WASHOUT PITS, AND POLLUTANT CONTROLS FOR EACH, AS SOON AS POSSIBLE. THE GENERAL PERMIT PROHIBITS THE DISCHARGE OF WASTEWATER FROM CONCRETE WASHOUT PITS AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS, UNLESS MANAGED BY AN APPROPRIATE CONTROL AS DESCRIBED IN PART 2.3.3.4 OF THE NM-2015-50 PERMIT.
- THE GENERAL CONTRACTOR SHALL PERFORM ALL REQUIRED INSPECTIONS OF STORMWATER CONTROLS AND PRACTICES AT FREQUENCIES GIVEN IN THE NPDES GENERAL PERMIT, AND SHALL COMPLETE AND SIGN APPROPRIATE INSPECTION FORMS (AS PROVIDED IN THE STORMWATER POLLUTION PREVENTION PLAN).
- OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
- DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS PURPOSE IS PROHIBITED.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR FOURTEEN OR MORE DAYS SHALL BE TEMPORARILY STABILIZED WITH VEGETATION, MULCH, CRUSHED ROCK, OR OTHER APPROPRIATE MATERIAL.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY STABILIZED WITHIN FOURTEEN DAYS PER LANDSCAPING SPECIFICATIONS WITH VEGETATION, MULCH, CRUSHED ROCK, OR OTHER APPROPRIATE MATERIALS.
- ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION EXIT POINTS ACCORDING TO NOTES SHOWN ON THE DETAIL THEREOF. IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM EXITING TRAFFIC, HOSE BIBS SHALL BE PROVIDED AT CONSTRUCTION TRAFFIC EXIT POINTS, AND VEHICLE TIRES SHALL BE WASHED BEFORE EXITING ONTO PUBLIC ROADS. SILT FROM THIS WASHING OPERATION SHALL BE INTERCEPTED AND TRAPPED BEFORE WASHWATER IS ALLOWED TO BE DISCHARGED OFF-SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
- CONTRACTOR SHALL PREVENT ANY SILTATION FROM ENTERING THE STORM SEWER SYSTEM. ALL INLETS AND INLET OPENINGS SHALL BE FULLY PROTECTED FROM SEDIMENT INFLOW WITH APPROPRIATE INLET PROTECTION DEVICES.
- THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SILT IN ANY TEMPORARY OR PERMANENT DETENTION PONDS, STORM SEWER INLETS AND PIPES, AND ALONG SILT FENCES, WITHIN 48 HOURS AFTER INSPECTION OF DEVICES REVEALS THE PRESENCE OF EXCESSIVE SILTATION (AS SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN).
- SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
- THE CONTRACTOR IS ADVISED TO CONSTRUCT TEMPORARY OR PERMANENT FENCING AROUND DETENTION PONDS AND SEDIMENT BASINS AT THE EARLIEST POSSIBLE TIME TO PREVENT ACCIDENTAL ACCESS BY PERSONS OR ANIMALS.
- ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE NPDES GENERAL PERMIT OR LOCAL PERMIT REQUIREMENTS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER PERMANENT STABILIZATION OF ALL SURFACES IS ACHIEVED.
- THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THESE PLANS.
- WHENEVER DIRT, ROCK, OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COMPLIANCE WITH ALL EPA AND NMDP STORMWATER REQUIREMENTS FOR THE REMOTE SITE. CONTRACTOR SHALL FURNISH THE ENGINEER AND THE OWNER'S CONSTRUCTION MANAGER WITH DOCUMENTATION OF COVERAGE FOR THE BORROW OR FILL SITE UNDER AN NPDES PERMIT FOR STORMWATER DISCHARGES AND OF A WRITTEN AGREEMENT WITH THE LANDOWNER OF THE REMOTE SITE INDICATING EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED THEREON. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SILT FENCES AND/OR STRAW WATTLES) ON ALL DOWN SLOPE AND SIDE SLOPE BOUNDARIES OF ANY DISTURBED AREA, PLUS PROVISIONS FOR RE-STABILIZATION AFTER THE FILL MATERIALS ARE IN PLACE.
- ALL SLOPES ON SITE WHICH ARE 3:1 OR STEEPER SHALL BE STABILIZED BY TRACK WALKING (TRAVELING UP AND DOWN THE SLOPE WITH A TRACKED VEHICLE) FOLLOWED BY INSTALLATION OF EROSION CONTROL BLANKET INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 (OR APPROVED EQUAL) OR OTHER EQUIVALENT STABILIZATION MEASURES APPROPRIATE FOR USE ON STEEP SLOPES.

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED UPON RECORD OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, ACTUAL MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION PROVIDED HEREON IS NOT TO BE TAKEN AS EXACT OR FULLY COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS AS SHOWN.

NOTE TO CONTRACTOR

THE CONTRACTOR SHALL NOTE ON SITE PLAN THE LOCATION OF ALL MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREAS, PETROLEUM TANKS, SOLID WASTE RECEPTACLES, SANITARY FACILITIES, CONCRETE WASHOUT AREAS, ANY ON-SITE OR OFF-SITE BORROW OR STOCKPILE AREA, ANY ON-SITE OR OFF-SITE SUPPORT ACTIVITIES (SUCH AS ASPHALT OR CONCRETE PLANTS). CONTRACTOR SHALL ALSO PREPARE, KEEP ON SITE, AND MAINTAIN CURRENT LIST OF MATERIALS WITH APPROXIMATE QUANTITIES, WHICH ARE STORED ON SITE.

NOTE - STABILIZATION

ALL DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND SEEDED OR SODDED AS NECESSARY AND BY DEFINITION 'MAINTAINED' UNTIL AN ESTABLISHED STAND OF GRASS CAN BE RELEASED TO THE OWNER. REFERENCE LANDSCAPE/IRRIGATION PLAN TO COORDINATE PLANTING ENHANCEMENTS AND LIMITS OF IRRIGATION COVERAGE.

ACREAGE SUMMARY

TOTAL SITE	0.866 AC
TOTAL DISTURBED	± 1.203 AC
WEIGHTED PRE-CONSTRUCTION RUNOFF COEFFICIENT(C _p)	0.908
WEIGHTED POST-CONSTRUCTION RUNOFF COEFFICIENT(C _p)	0.790
POST AREA ROOFED OR PAVED	0.715 AC
POST AREA LANDSCAPED	0.151 AC

LEGEND

- LANDSCAPE AREAS
- CONSTRUCTION ENTRANCE
- ROCK CHECK DAM
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE FLOW ARROW
- LIMITS OF DISTURBANCE
- INLET PROTECTION
- STRAW WATTLE

EROSION CONTROL MAINTENANCE NOTES

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON ON A SCHEDULE WHICH COMPLIES WITH THE GENERAL PERMIT REQUIREMENTS AND CLEANED AND REPAIRED WITHIN 48 HOURS OF THE INSPECTION IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
 - ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
 - SEDIMENT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SEDIMENT FENCE.
 - THE TEMPORARY PARKING AND STORAGE AREA (IF PRESENT) SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
 - OUTLET STRUCTURES IN THE SEDIMENTATION BASINS OR SEDIMENT TRAPS (IF PRESENT) SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
 - MAINTENANCE PROCEDURES FOR THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SPECIFIED ARE GIVEN IN SECTION 5 OF THE STORM WATER POLLUTION PREVENTION PLAN.

NOTES

- Minimal Best Management Practices for erosion control have been shown on this plan. A SWPPP shall be prepared for McDonald's by others and administered by others. Langan Engineering recognizes state requirements for Storm Water Pollution Control but assumes no responsibility for a SWPPP on this project.
- All BMPs shall conform to the City of Albuquerque standards.
- All water flows are between 0-3% unless otherwise indicated.
- Receiving Stream: City of Albuquerque storm sewer system thence to the Rio Grande (NM-2015-50 - Isleta Pueblo Bridge to Alameda Bridge).
- Existing site is a fully developed commercial lot with 90% impervious cover.

CITY OF ALBUQUERQUE STANDARD NOTES

- All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:
 - The City Ordinance § 14-5-2-11, the ESC Ordinance.
 - The EPA's 2022 Construction General Permit (CGP), and
 - The City of Albuquerque Construction BMP Manual.
- All BMPs must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
- Self-inspections - In accordance with City Ordinance § 14-5-2-11(C)(1), "at a minimum a routine self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- Final Stabilization and Notice of Termination (NOT) - In accordance with City Ordinance § 14-5-2-11(C)(1), self-inspections must continue until the site is "determined as stabilized by the city." The property owner/operator is responsible for determining when the "Conditions for Terminating CGP Coverage" per CGP Part 8.2 are satisfied and then for filing their Notice of Termination (NOT) with the EPA. Each operator may terminate CGP coverage only if one or more of the conditions in Part 8.2.1, 8.2.2, or 8.2.3 has occurred. After filing the NOT with the EPA, the property owner is responsible for requesting a Determination of Stabilization from the City.
- When doing work in the City right-of-way (e.g. sidewalk, drive pads, utilities, etc.) prevent dirt from getting into the street. If dirt is present in the street, the street should be swept daily or prior to a rain event or contractor induced water event (e.g. curb cut or water test).
- When installing utilities behind the curb, the excavated dirt should not be placed in the street.
- When cutting the street for utilities the dirt shall be placed on the uphill side of the street cut and the area swept after the work is complete. A wattle or mulch sock may be placed at the toe of the excavated dirt pile if site constraints do not allow placing the excavated dirt on the uphill side of the street cut.
- ESC Plans must show longitudinal street slope and street names. On streets where the longitudinal slope is steeper than 2.5%, wattles/mulch socks or j-hood silt fence shall be shown in the front yard swale or on the side of the street.

EROSION CONTROL SEQUENCE

- Install straw wattle, inlet protection, & rock filter dams around disturbed areas as shown.
- Install inlet protection for all existing grade inlets, curb inlets and at the ends of all exposed storm sewer pipes, if present.
- Construct temporary construction exit.
- Commence grubbing and removal of vegetation in area to receive cut or fill.
- Sawcut full depth where shown. Use sawcut edge to retain sediment during demolition.
- Commence demolition. Load demolished material directly to trucks.
- Commence grading operation for building pad preparation (see Grading Plan).
- Install all underground utilities.
- Finalize pavement subgrade preparation.
- Install all proposed storm sewer pipes and inlet protection silt fences at ends of exposed pipes.
- Construct all grate inlets and drainage structures. Inlet protection silt fences may be removed temporarily for this construction.
- Remove silt fences around inlets and manholes no more than 48 hours prior to placing stabilized base course.
- Install base material as required for pavement, curb and gutter.
- Install all paving, curb and gutter.
- Complete planting and/or seeding of vegetated areas to accomplish stabilization in accordance with the landscaping plan. Throughout the project and the maintenance period for turfgrass, it is the contractor's responsibility to maintain the topsoil in place at specified grades. Topsoil and turfgrass losses due to erosion will be replaced by the contractor until establishment and acceptance is achieved.
- Remove straw wattle, inlet protection, and rock filter dams.

San Pedro Boulevard N.E.

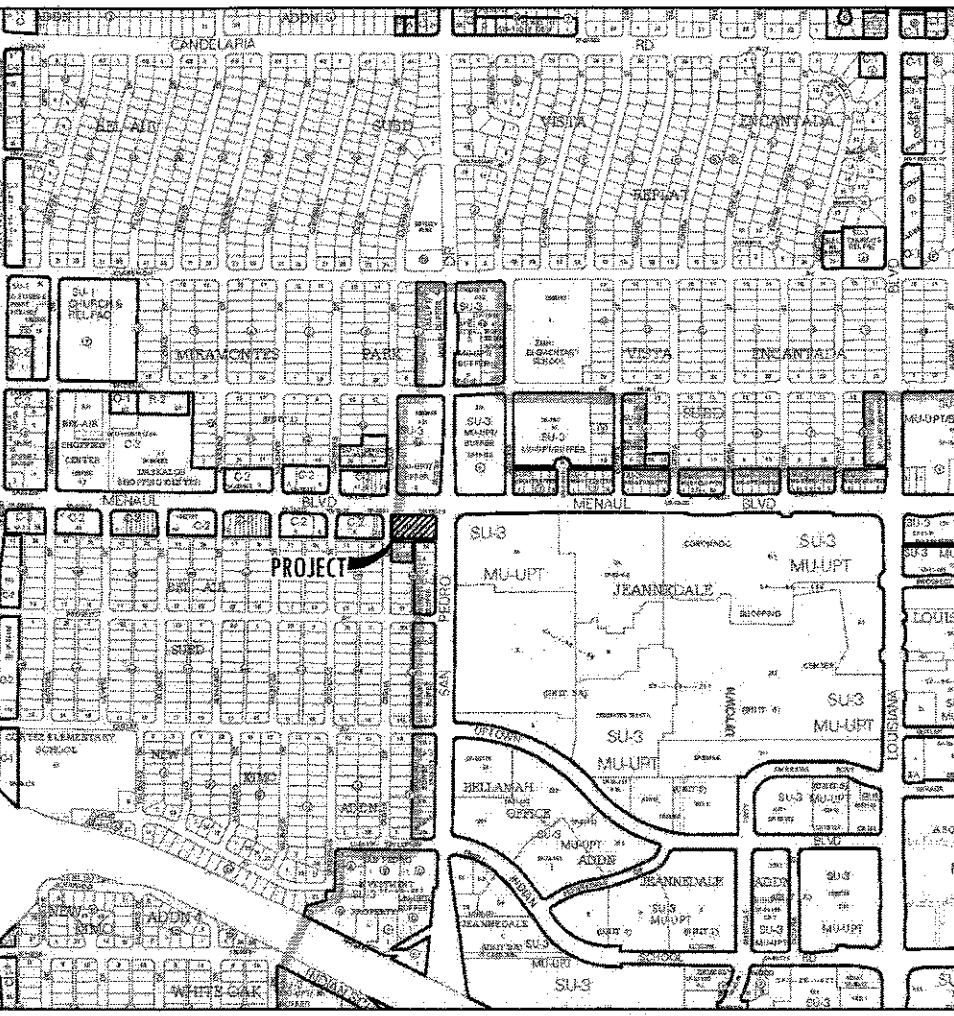
Cagua Drive N.E.

Menaul Boulevard N.E.

SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

NOTE: NO WORK SHALL BE PERFORMED IN THE PUBLIC R.O.W. WITHOUT AN APPROVED WORK ORDER OR EXCAVATION PERMIT.



VICINITY MAP (ZONE ATLAS H-18-Z) N.T.S.

BY: HUM
DESCRIPTION: ISSUE FOR PERMIT
DATE: 08/28/2023
REV: 1
LANGAN JOB NO.: 520015201
LANGAN Engineering and Environmental Services, Inc.
2999 Olympus Blvd, Suite 600 • Dallas, Texas 75201 • (817) 338-3300

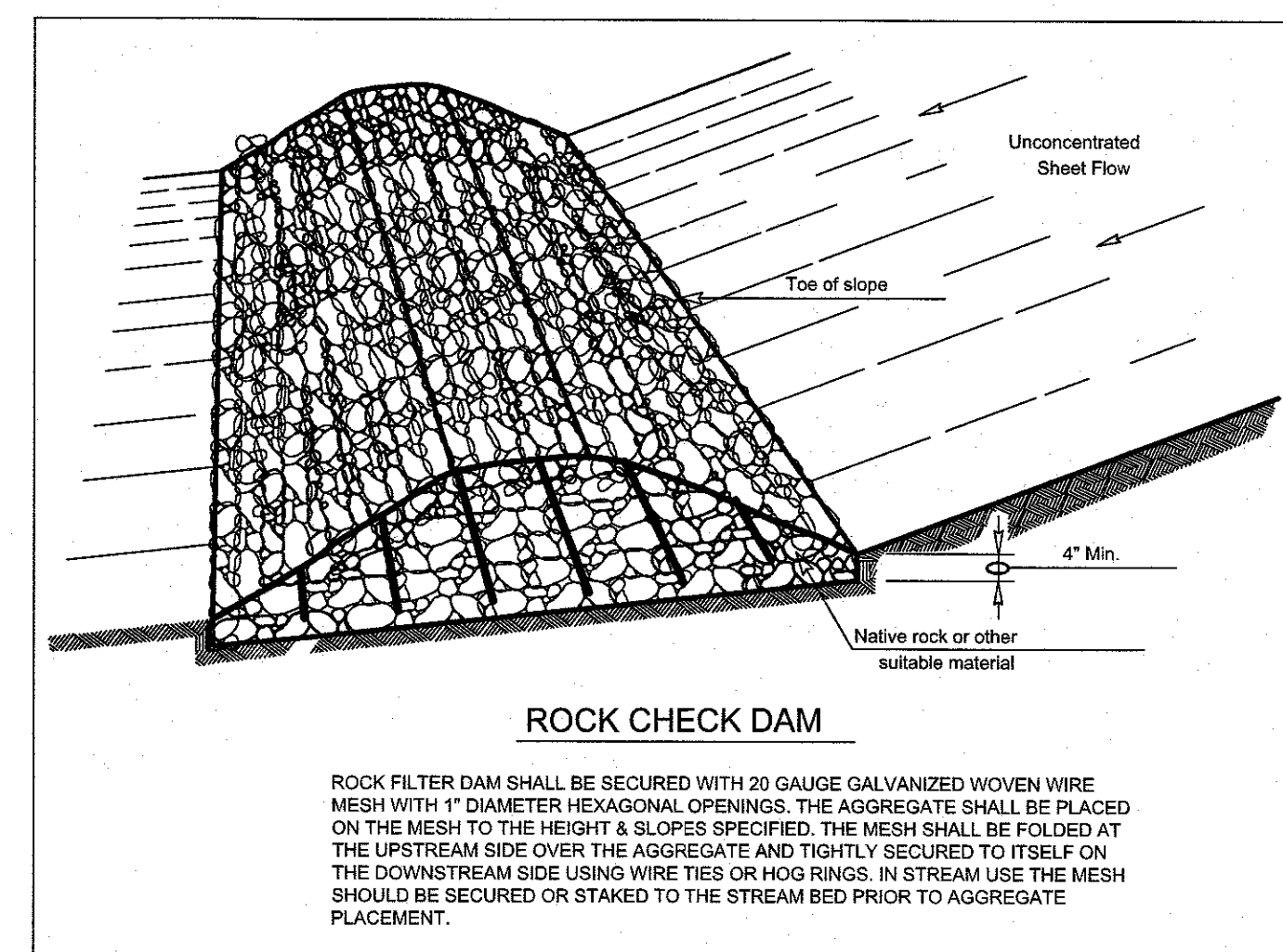
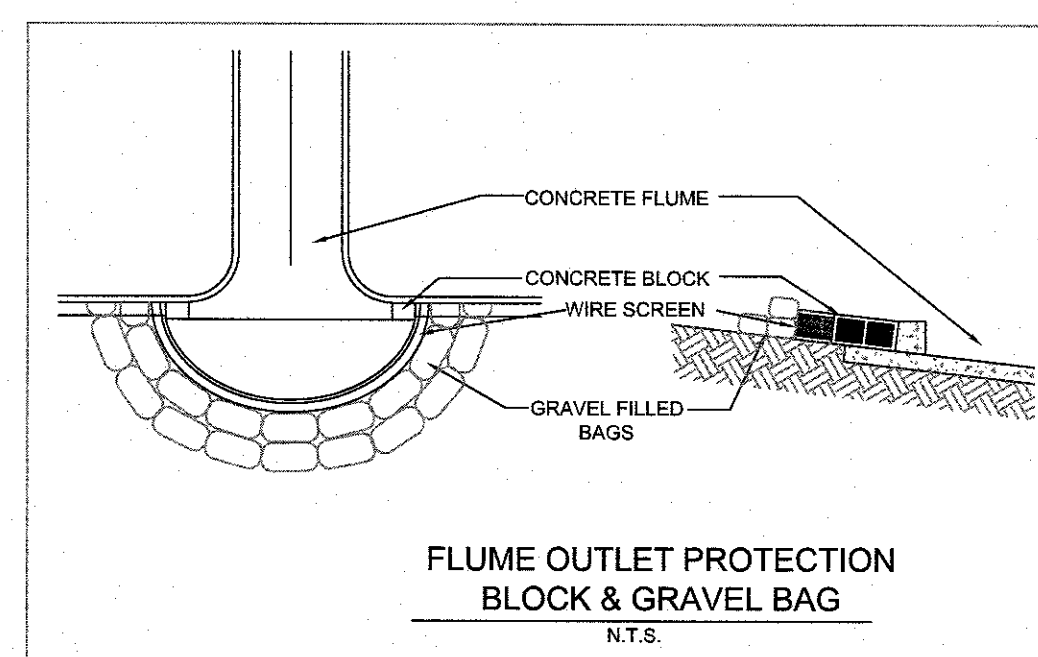
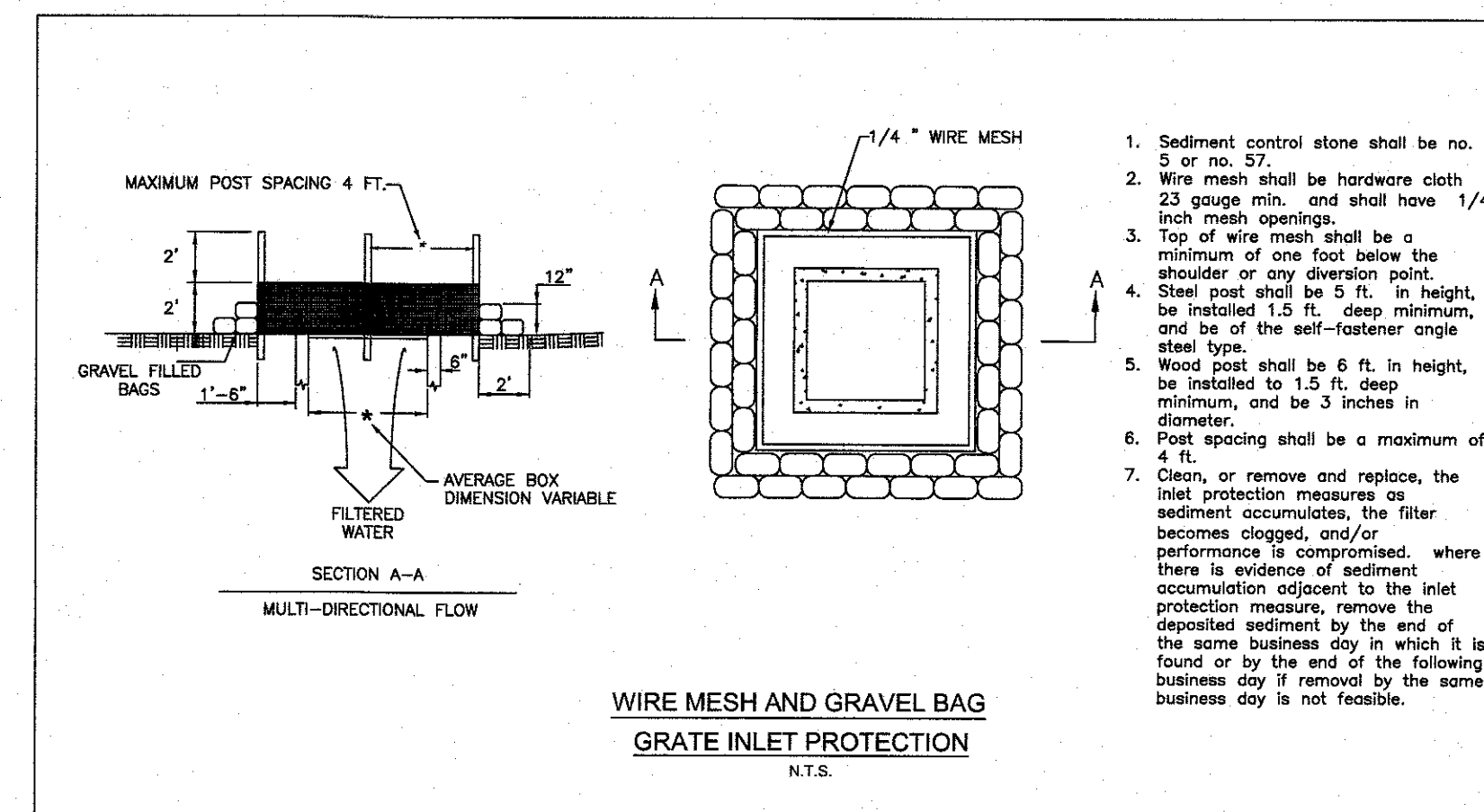
08/28/2023
MATTHEW DAVID KORTE
25909
PROFESSIONAL ENGINEER

McDonald's USA, LLC
110 N. CARPENTER ST., CHICAGO, IL 60607
McDonald's U.C. 030-0001
OFFICE: LONG BEACH FIELD OFFICE
ADDRESS: 110 N. CARPENTER ST., CHICAGO, IL 60607
PLAN APPROVALS: SIGNATURE (2 REQUIRED) DATE
REGIONAL MGR. CONST. MGR. OPERATIONS DEPT. REAL ESTATE DEPT.
CO-SIGN SIGNATURES
CONTRACTOR: OWNER: 5900 MENAUL BLVD, NE ALBUQUERQUE, NM

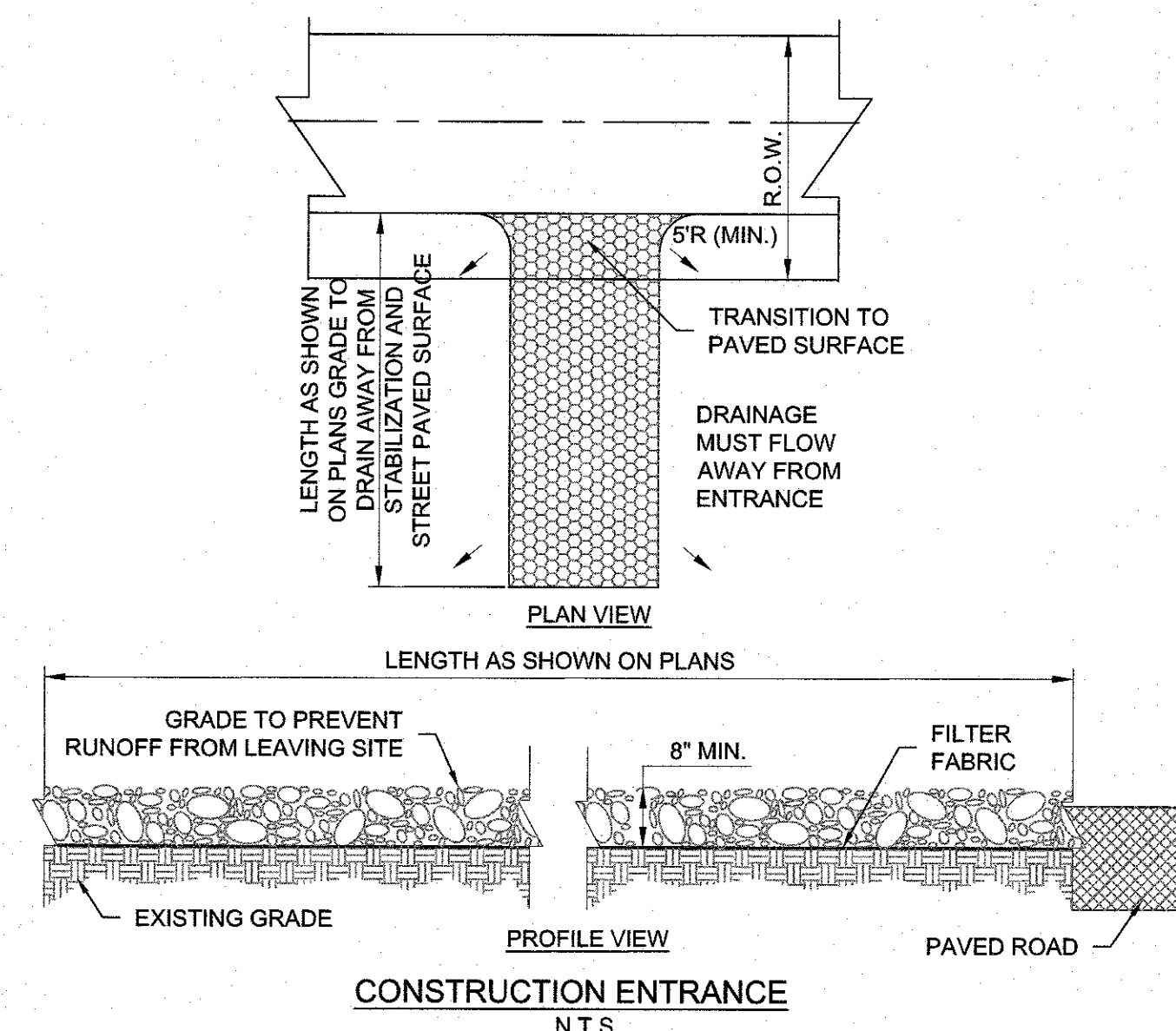
DESIGNED	MAY 2023	HUM
DRAWN	MAY 2023	HUM
CHECKED	MAY 2023	TNT
AS-BUILT		

EROSION CONTROL PLAN
C3.0

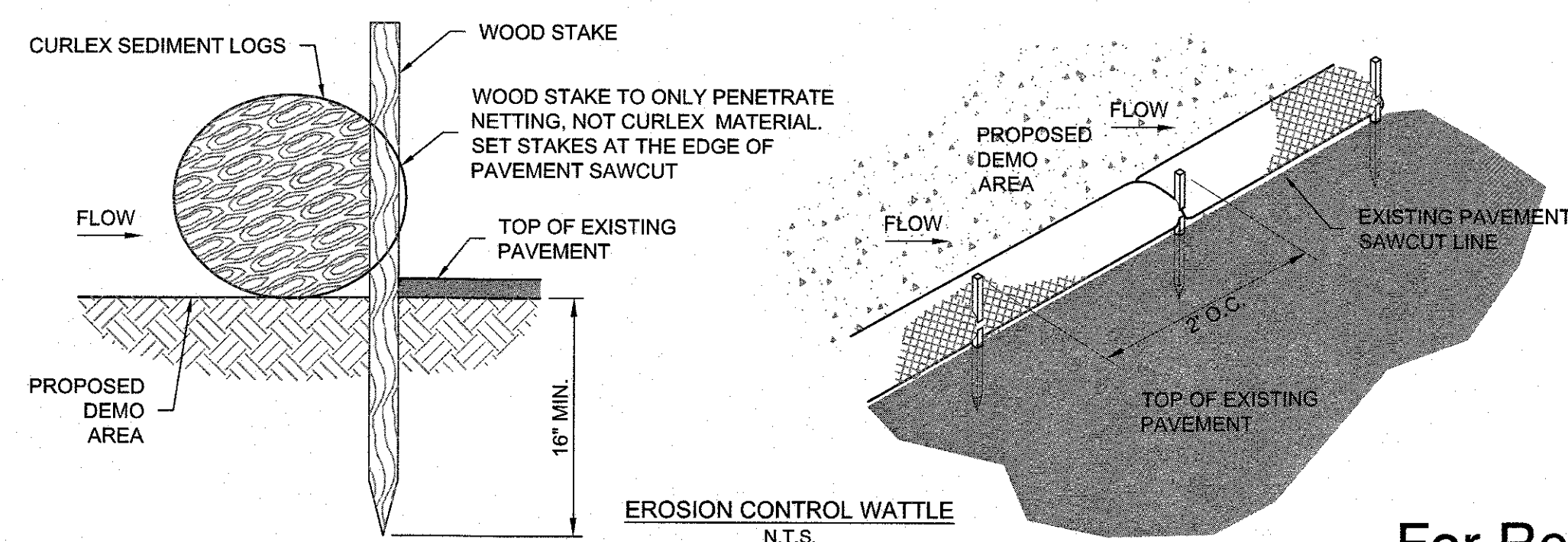
For Reference Only



1. STONE SHALL BE 5 TO 10 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE.
2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
3. THE THICKNESS SHALL NOT BE LESS THAN 4 INCHES.
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN FLASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING ANY METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES, MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE DRAINAGE SLOPE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
8. WHERE SEDIMENT HAS BEEN TRACKED-OUT FROM THE SITE ONTO PAVED ROADS, SIDEWALKS, OR OTHER PAVED AREAS OUTSIDE OF YOUR SITE, REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT BUSINESS DAY IF TRACK-OUT OCCURS ON A NON-BUSINESS DAY. REMOVE THE TRACK-OUT BY SWEEPING, SHOVELING, OR VACUUMING. TRACK-OUT SHALL BE REMOVED BY THE USE OF A VACUUM OR OTHER MEANS OF SEDIMENT REMOVAL. YOU ARE PROHIBITED FROM HOISING OR SWEEPING TRACKED-OUT SEDIMENT INTO ANY CONSTRUCTED OR NATURAL SITE DRAINAGE FEATURE, STORM DRAIN INLET, OR RECEIVING WATER.



1. Remove sediment before it has accumulated to one-half of the above-ground height of any perimeter control.
2. After a storm event, if there is evidence of stormwater circumventing or undercutting the perimeter control, extend controls and/or repair undercut areas to fix the problem.



For Reference Only

REV	DATE	DESCRIPTION	BY
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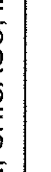
LANGAN

Langan Engineering and
Environmental Services, Inc.

2999 Olympus Blvd, Suite 165 ■ Dallas, Texas 75019 ■ (817) 338-3200

LANGAN JOB NO.:
5200015201



PLAN APPROVALS		OFFICE		LONG BEACH FIELD OFFICE		McDONALD'S LIC: 030-0001	
SIGNATURE (2 REQUIRED)		ADDRESS		110 N. CARPENTER ST., CHICAGO, IL 60607			
REGIONAL MGR.		 McDonald's USA, LLC		<p>These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall remain the confidential and proprietary property of McDonald's USA, LLC. No part of these drawings or specifications may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of McDonald's USA, LLC. The use of these drawings for reference or example and/or for any other purpose is strictly prohibited. The use of these drawings in conjunction with the issue details or not suitable for use on a different site or at a later time. Use of these drawings for reference or example and/or for any other purpose requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.</p>			
CONST. MGR.							
OPERATIONS DEPT.							
REAL ESTATE DEPT.							
CO-SIGN SIGNATURES		5900 MENAUL BLVD. NE ALBUQUERQUE, NM					
CONTRACTOR							
OWNER							

	DATE	BY
DESIGNED	MAY 2023	HJM
DRAWN	MAY 2023	HJM
CHECKED	MAY 2023	TNT
AS-BUILT		
EROSION CONTROL DETAILS		
C3.1		



Know what's below.
Call before you dig.

A.G.R.S. MONUMENT "16_H18"
STANDARD A.G.R.S. ALUMINUM DISC
(FOUND IN PLACE)
NEW MONUMENT STATE PLANE COORDINATES
(CENTRAL ZONE - N.A.D. 1983)
N=1,495,150.704
E=1,543,609.222
PUBLISHED EL=5283.415 (NAVD 1983)
GROUND TO GRID FACTOR=0.999991945
DELTA ALPHA ANGLE=-0.110874"

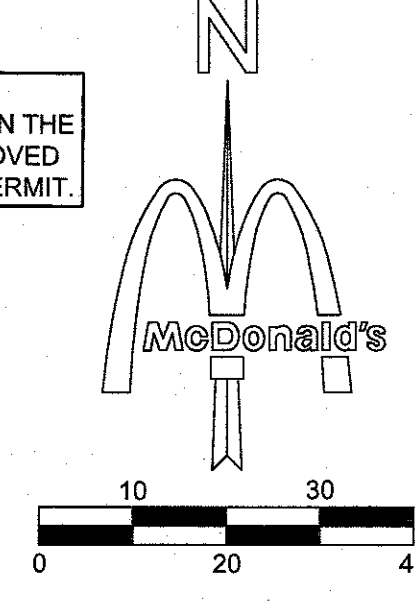
BASIS OF BEARINGS
S 89°37'55" E

REFER TO PUBLIC
IMPROVEMENT PLANS
FOR ALL WORK WITHIN
THE ROW.

Menaul Boulevard N.E.
(100' PUBLIC R.O.W.)

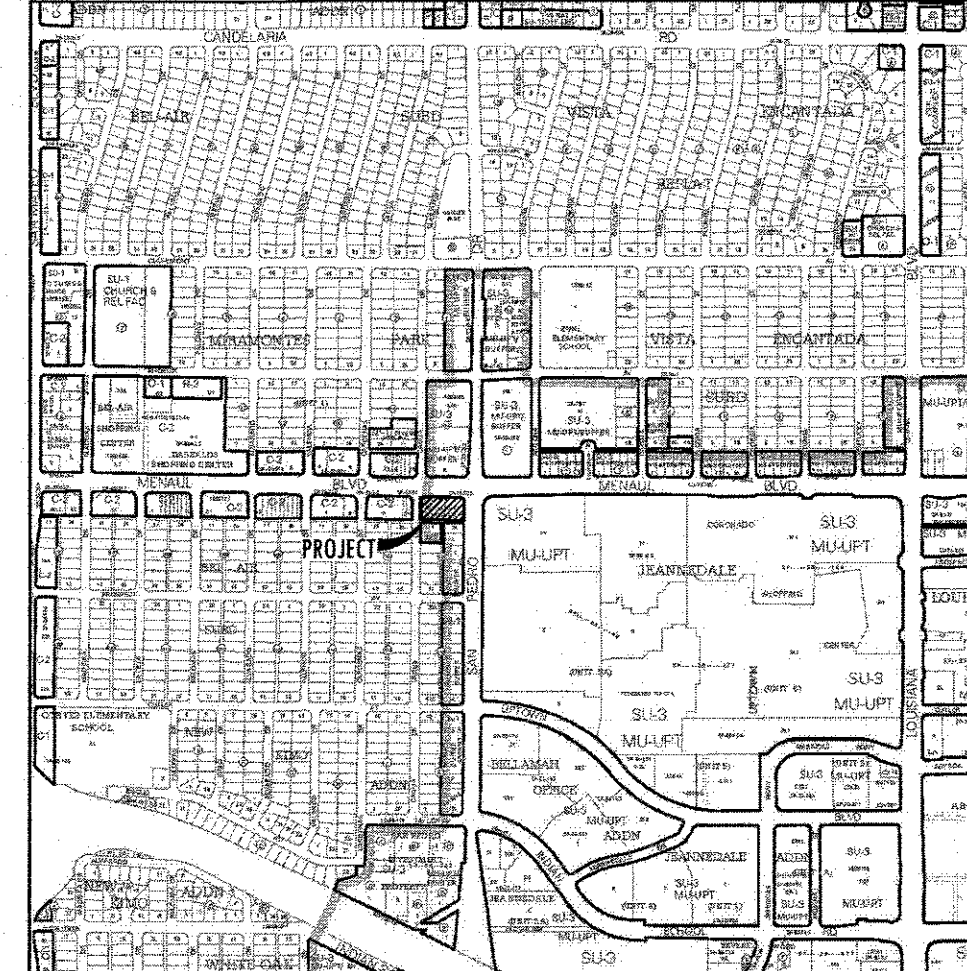
REFER TO PUBLIC IMPROVEMENT PLANS FOR ALL WORK WITHIN THE ROW.

NOTE:
NO WORK SHALL BE PERFORMED IN THE
PUBLIC R.O.W. WITHOUT AN APPROVED
WORK ORDER OR EXCAVATION PERMIT.



SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY
JURISDICTIONAL ENTITIES.



NOTES

1. CLEAR SITE TRIANGLE NOTE: LANDSCAPING, FENCING, AND SIGNING WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES, AND SHRUBBERY BETWEEN 3 AND 8 FEET TALL (AS MEASURED FROM THE GUTTER PAN) WILL NOT BE ACCEPTABLE IN THE CLEAR SIGHT TRIANGLE.
2. ALL BROKEN OR CRACKED SIDEWALK MUST BE REPLACED WITH SIDEWALK AND CURB & GUTTER. PLEASE REFER TO COA STD. DWG. 2430 FOR SIDEWALK DETAILS AND COA STD. DWG. 2415A FOR 8" STANDARD CURB & GUTTER DETAILS.
3. UNUSED CURB CUTS MUST BE REPLACED WITH SIDEWALK AND CURB & GUTTER. PLEASE REFER TO COA STD. DWG. 2430 FOR SIDEWALK DETAILS AND COA STD. DWG. 2415A FOR 8" STANDARD CURB & GUTTER DETAILS.

KEY NOTE LEGEND

MARK	MARK DESCRIPTION
1	CONCRETE VERTICAL CURB @ DRIVE-THRU (RE: C10.2 STANDARD DETAILS)
2	CURB AND GUTTER @ NON DRIVE-THRU AREAS (RE: C10.2 STANDARD DETAILS)
3	TURN DOWN CURB (RE: C10.3 STANDARD DETAILS)
4	REINFORCED CONCRETE SIDEWALK (RE: C10.3 STANDARD DETAILS)
5	PERPENDICULAR CURB RAMP @ 1:12 MAX SLOPE PER COA STD. DWG. 2442 DETAIL A AND DWG. 2446
6	H.C. ACCESS RAMP @ 1:12 MAX SLOPE (RE: C10.1 STANDARD DETAILS)
7	PARALLEL CURB RAMP @ 1:12 MAX SLOPE PER COA STD. DWG. 2426 AND DWG. 2446
8	HANDICAP ACCESSIBLE SIGN (POLE MOUNTED) (RE: C10.1 STANDARD DETAILS)
9	McDONALD'S OOSP SIGN (RE: C10.4 STANDARD DETAILS)
10	BOLLARD (RE: C10.1 STANDARD DETAILS)
11	GUARDRAIL @ INGRESS/EGRESS DOOR (RE: C10.1 STANDARD DETAILS)
12	GRATE INLET (RE: C8.1 POST DEVELOPED DRAINAGE PLAN)
13	CONTRACTOR SHALL INSTALL SCREEN WALL - TYPE AS APPROVED BY OWNER AND PER CITY REQUIREMENTS.
14	(PAD MOUNT) TRANSFORMER (RE: C9.0 UTILITY PLAN)
15	LANDSCAPE FINISH GRADE 1" BELOW TOP OF CURB IN ALL LAWN AREAS AND 2" BELOW TOP OF CURB IN ALL BED AREAS
16	"DO NOT ENTER" SIGN PER COA STD. DWG. 2600-603
17	"DRIVE THRU" WITH "CIRCLE/ARROW" - COLOR: YELLOW
18	8" DRIVE-THRU STRIPING - COLOR: YELLOW
19	DOUBLE DRIVE-THRU "ARROW" MARKING - COLOR: YELLOW
20	4" DIAGONAL PAINTED ISLANDS AT DRIVE-THRU - COLOR: YELLOW
21	6" MERGE POINT - COLOR: YELLOW
22	"THANK YOU" AT END PATH - COLOR: YELLOW
23	4" PARKING STALL STRIPING - COLOR: WHITE (TYP)
24	MOTORCYCLE SIGN (POLE MOUNTED) (RE: C10.1 STANDARD DETAILS)
25	HANDICAP ACCESSIBLE SPACES / SYMBOLS / CROSSWALK - COLOR: (PER STATE/CITY REQUIREMENTS)
26	FIRE LANE STRIPING PER CITY OF ALBUQUERQUE FIRE CODE STANDARDS
27	PAINTED "STOP" AND 12" STOP BAR WITH "STOP" SIGN - COLOR: WHITE
28	4" OOSP STRIPING - COLOR: YELLOW
29	"NO PARKING" IN CAPITAL LETTERS, AT LEAST 1" HIGH AND AT LEAST 2" WIDE - COLOR: PER STATE/CITY REQUIREMENTS
30	BIKE RACK (RE: C10.4 STANDARD DETAILS)
31	"MC" IN CAPITAL LETTERS, AT LEAST 1" HIGH AND AT LEAST 2" WIDE - COLOR: WHITE
32	8" STANDARD CURB & GUTTER (RE: COA STD. DWG. #2415A)
33	VALLEY GUTTER (RE: COA STD. DWG. #2420)
34	6" HEADER CURB (RE: COA STD. DWG. #2415C)
35	"DO NOT ENTER" STRIPING - COLOR: WHITE
36	4" CONCRETE SIDEWALK (RE: COA STD. DWG. #2430)

TRAFFIC CIRCULATION
LAYOUT APPROVED

Ernest Alvarez 9/12/2023
Signed Date

LEGEND

- REINFORCED CONCRETE SIDEWALK, MINIMUM 4" THICK REINFORCED WITH #3 BARS @ 18" O.C.E.W. CONCRETE TO BE 4000 PSI 28-DAY STRENGTH
- HEAVY DUTY REINFORCED CONCRETE @ DRIVING AREAS & DRIVE-THRU *
- LIGHT DUTY REINFORCED CONCRETE OR ASPHALT *
- REFERENCE PUBLIC IMPROVEMENT PLANS FOR PAVEMENT AT ALLEY.
- REINFORCED CONCRETE PAVEMENT @ TRASH ENCLOSURE APRON, MINIMUM 6" THICK REINFORCED WITH #3 BARS @ 18" O.C.E.W. CONCRETE TO BE 4000 PSI 28-DAY STRENGTH
- LANDSCAPE AREA
- CURB AND GUTTER CONCRETE *
- SAWCUT LINE
- 2.5" IRRIGATION SLEEVES

*REFER TO SHEET C5.0 PAVING PLAN AND GEOTECH REPORT PROVIDED BY TERRACON CONSULTANTS, INC. IN REPORT NO. 66165090 FOR ALL PAVING SPECIFICATIONS.

SITE INFORMATION

LAND AREA:	37,713 SF (0.8657 AC)
CURRENT ZONING:	SU-3, UPTOWN SECTOR PLAN MU-UPT BUFFER ZONE
EXISTING USE:	McDONALD'S DRIVE-THRU RESTAURANT
PROPOSED USE:	McDONALD'S DRIVE-THRU RESTAURANT
BUILDING AREA (APPROXIMATE):	4,246 SF
BUILDING CONSTRUCTION TYPE:	VB
BUILDING LOT COVERAGE:	4,246 SF/37,713 SF = 11.3%
PARKING REQUIRED:	2 SPACES PER 1,000 SF 4,246 SF/500 SF = 9 SPACES
PARKING PROVIDED:	26
HANDICAP PARKING REQUIRED:	2
HANDICAP PARKING PROVIDED:	2
MOTORCYCLE PARKING REQUIRED:	1
MOTORCYCLE PARKING PROVIDED:	1
BICYCLE PARKING REQUIRED:	2
BICYCLE PARKING PROVIDED:	2
TOTAL IMPERVIOUS AREA:	31,132 SF
TOTAL PERVIOUS AREA:	6,581 SF
TOTAL OPEN AREA:	3,989 SF (10.6%)

LEGEND

- FLAG POLE (MAX. HEIGHT PER CITY & DETAILS)
- LIGHT STANDARD (15' CLEAR FROM ALL OVERHEAD UTILITY LINES) (24" CLEAR FROM BACK OF CURB)
- ROAD SIGN (POLE OR MONUMENT)
- POWER POLE
- DOMESTIC WATER METER
- EXISTING IRRIGATION WATER METER
- BACK FLOW PREVENTION DEVICE (RE: C9.0 UTILITY PLAN)
- FIRE HYDRANT (EXISTING)
- GREASE INTERCEPTOR (RE: C9.0 UTILITY PLAN)
- McDONALD'S DIRECTIONAL SIGN
- DETECTOR LOOP (LOCATION TO BE APPROVED BY McDONALD'S) (RE: C10.0 STANDARD DETAILS)
- "CIRCLE / ARROW" - COLOR: YELLOW
- ARROW PATH DIRECTION - COLOR: WHITE
- CLEAR SITE TRIANGLE

LANGAN
Langan Engineering and
Environmental Services, Inc.
3909 Olympus Blvd. Suite 105 Dallas, Texas 75219 (817) 336-3200

LANGAN JOB NO.:
520015201

REV DATE DESCRIPTION
HJM
09/11/2023 ISSUE FOR PERMIT

09/11/2023
MATTHEW DAVID KORE
NEW MEXICO
25909
PROFESSIONAL ENGINEER

McDONALD'S USA, LLC
110 N. CARPENTER ST., CHICAGO, IL 60607

McDonald's USA, LLC and its affiliates are the confidential and proprietary property of McDonald's USA, LLC and shall not be disclosed, copied, reproduced, or otherwise used in any form without the prior written consent of McDonald's USA, LLC. These drawings are for reference only and are not to be used for any other project without the prior written consent of McDonald's USA, LLC. Use of these drawings for reference or on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse in another project is not authorized.

5900 MENAUL BLVD. NE
ALBUQUERQUE, NM

PLAN APPROVALS

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
CONST. MGR.	
OPERATIONS DEPT.	
REAL ESTATE DEPT.	

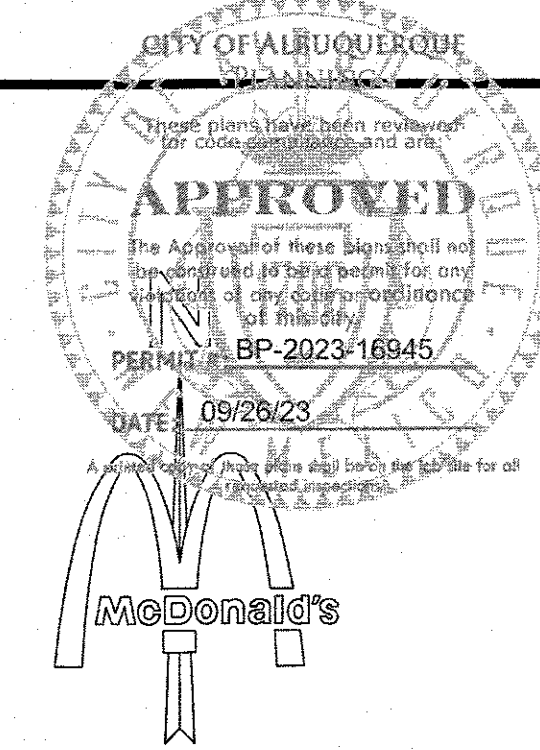
CO-SIGN SIGNATURES

SIGNATURE	DATE	BY
CONTRACTOR		
OWNER		

TRAFFIC
CIRCULATION
LAYOUT

C4.1

DESIGNED	DEC 2021	HJM
DRAWN	DEC 2021	MKS
CHECKED	MAY 2023	TNT
AS-BUILT		



SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

NOTE:
NO WORK SHALL BE PERFORMED IN THE PUBLIC R.O.W. WITHOUT AN APPROVED WORK ORDER OR EXCAVATION PERMIT.

PAVING SPECIFICATION VERIFY W/ MCDONALD'S: ASPHALT: ☒ CONCRETE: ☒
 CONTRACTOR TO BID: ASPHALT: ☒ CONCRETE: ☒

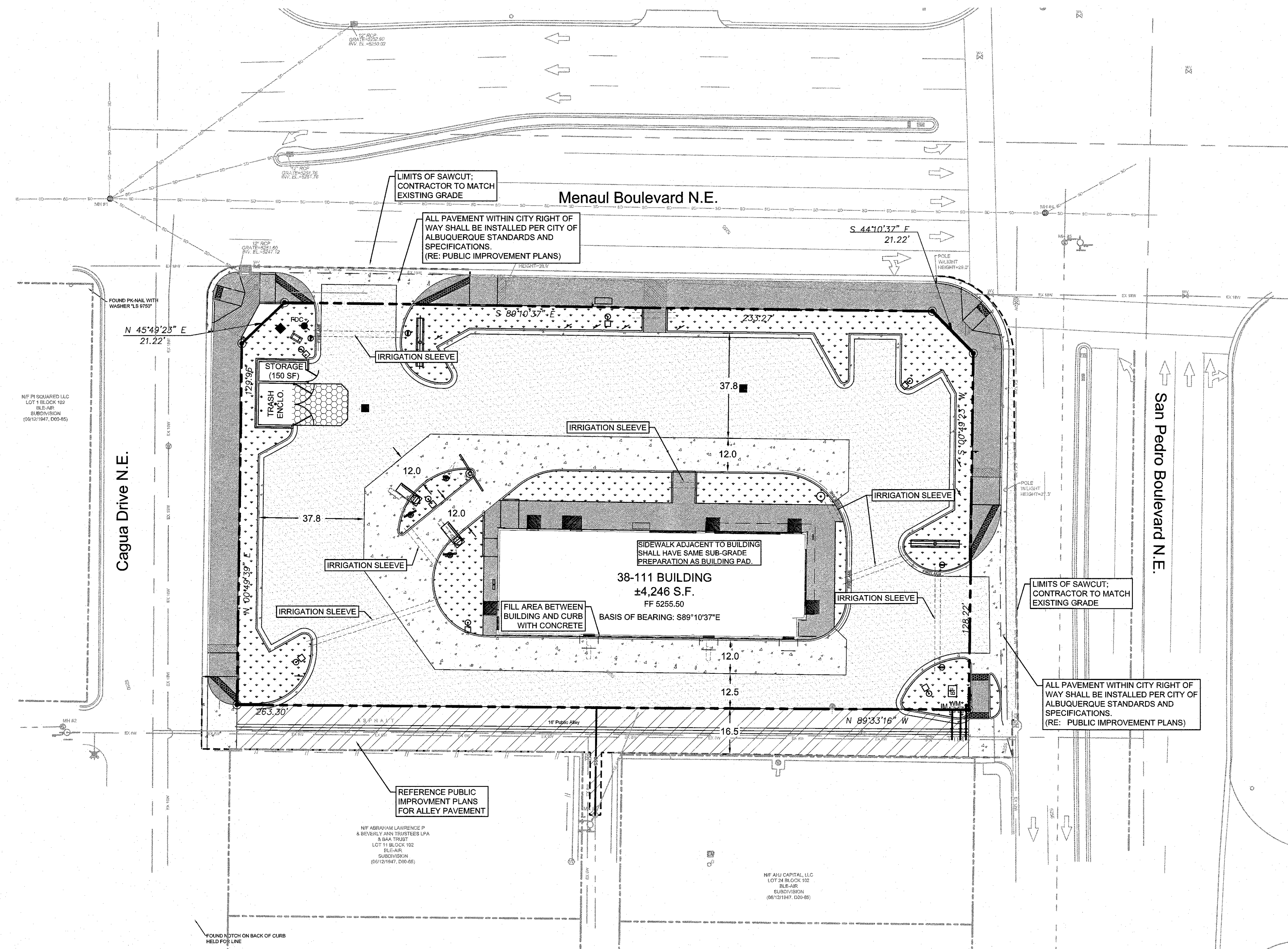
ASPHALT PAVEMENT RECOMMENDATIONS	
PAVEMENT MATERIALS	HEAVY DUTY
ASPHALT SURFACE COURSE	4" 5.5"
AGGREGATE BASE COURSE	8" OR
COMPACTED SUBGRADE	10" 10"
CONCRETE PAVEMENT RECOMMENDATIONS	
PAVEMENT MATERIALS	HEAVY DUTY
PORTLAND CEMENT CONCRETE PAVEMENT	5.5"
COMPACTED SUBGRADE	10"

- PAVEMENT NOTES:
1. REFER TO MCDONALD'S CONCRETE PAVING SPECIFICATIONS SECTION 321313 FOR ALL PAVING WORK.
 2. REFER TO MCDONALD'S PAVEMENT MARKINGS SECTION 321723 FOR ALL PAVEMENT MARKING WORK.
 3. PAVEMENT AND SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC., DATED JULY 27, 2016. (66165090)
 4. SUBGRADE SHOULD BE SCARIFIED AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR (ASTM D 698) MAXIMUM DRY DENSITY FOR A DEPTH OF AT LEAST 10 INCHES BELOW THE SURFACE. SEE SECTION 4.2 OF GEOTECH REPORT.
 5. PAVEMENT MAY BE PLACED AFTER THE SUBGRADE HAS BEEN PROPERLY COMPACTED, FINE-GRADED AND PROOF ROLLED. PER THE GEOTECH REPORT - LOOSE, SOFT OR UNSTABLE SOILS SHOULD BE REMOVED AND REPLACED WITH ENGINEERING FILL IF SUFFICIENT COMPACTION CANNOT BE ACHIEVED.
 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
 7. WATER SHOULD NOT BE ALLOWED TO POND BEHIND CURBS AND SATURATE THE BASE MATERIALS. GRANULAR BASE MATERIAL SHOULD EXTEND THROUGH THE SLOPE PROVIDING UNDERGROUND DRAINAGE AN EXIT PATH. REFER TO C10.2 FOR CONCRETE JOINT SPECIFICATIONS UNLESS NOTED OTHERWISE IN THE SOILS REPORT.
 8. ALL CONCRETE PAVEMENT SHALL BE 4,000 PSI @ 28 DAYS AND REINFORCED WITH #3 BARS @ 18" O.C.E.W.
 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
 10. THE INFORMATION ABOVE IS BEING PROVIDED FOR REFERENCE ONLY AND SHALL NOT BE RELIED ON AS ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REFERRING TO THE GEOTECHNICAL REPORT REFERENCED ABOVE FOR ALL PAVEMENT/GEOTECHNICAL REQUIREMENTS.

LEGEND

- REINFORCED CONCRETE SIDEWALK, MINIMUM 4" THICK REINFORCED WITH #3 BARS @ 18" O.C.E.W. CONCRETE TO BE 4000 PSI 28-DAY STRENGTH
- HEAVY DUTY REINFORCED CONCRETE @ DRIVING AREAS & DRIVE-THRU. *
- LIGHT DUTY REINFORCED CONCRETE OR ASPHALT *
- REFERENCE PUBLIC IMPROVEMENT PLANS FOR PAVEMENT AT ALLEY.
- REINFORCED CONCRETE PAVEMENT @ TRASH ENCLOSURE APRON, MINIMUM 6" THICK REINFORCED WITH #3 BARS @ 18" O.C.E.W. CONCRETE TO BE 4000 PSI 28-DAY STRENGTH
- LANDSCAPE AREA
- CURB AND GUTTER CONCRETE*
- SAWCUT LINE
- 2.5" IRRIGATION SLEEVES

*REFER TO GEOTECH REPORT PROVIDED BY TERRACON CONSULTANTS, INC. IN REPORT NO. 66165090 FOR ALL PAVING SPECIFICATIONS.



REFERENCE PUBLIC IMPROVEMENT PLANS FOR ALLEY PAVEMENT

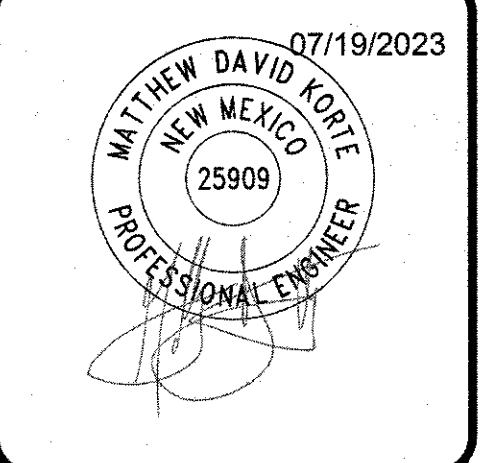
NF ABBAYAN LAWRENCE P & BROTHERLY ANN TRUSTEES LPA
S BAA TRUST
LOT 11 BLOCK 102
BLU-AR
SUBDIVISION
(06/12/1847, D10-05)

NF ABU CAPITAL LLC
LOT 24 BLOCK 102
BLU-AR
SUBDIVISION
(06/12/1847, D10-05)



Know what's below.
Call before you dig.

REV	DATE	DESCRIPTION
BY	DATE	DESCRIPTION
HM	07/19/2023	ISSUE FOR PERMIT
<p>LANGAN JOB NO.: 520015201</p> <p>LANGAN</p> <p>LANGAN Engineering and Environmental Services, Inc. 2909 Olympic Blvd., Suite 105 • Dallas, Texas 75019 • (817) 338-3200</p>		



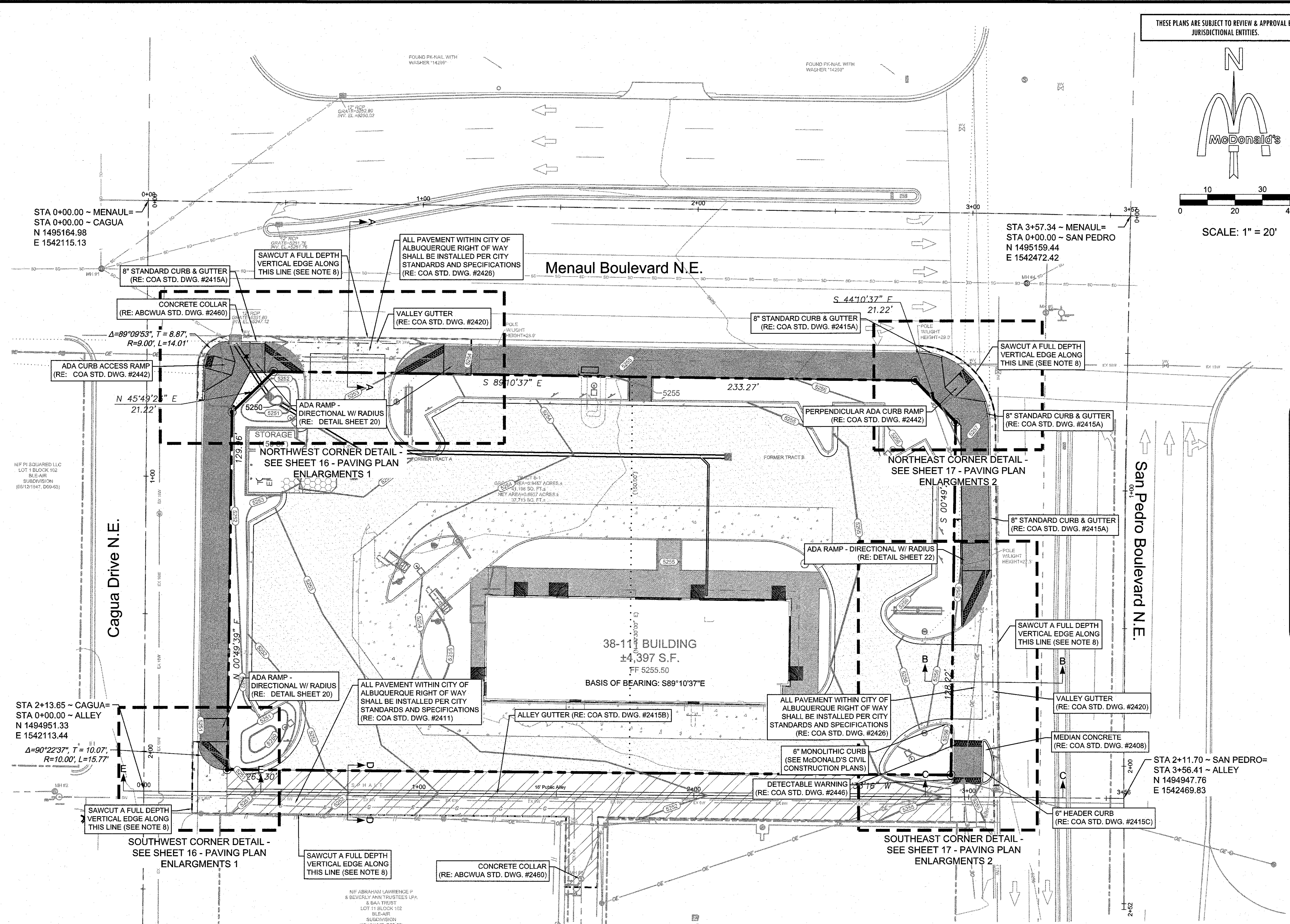
<p>McDonald's USA, LLC</p> <p>These drawings and specifications are the intellectual and proprietary property of McDonald's USA, LLC and shall not be copied, reproduced, or used in any manner without the written permission of McDonald's USA, LLC. Use of these drawings and specifications for any other project without the written permission of McDonald's USA, LLC is strictly prohibited. Reproduction of these drawings for use on any other project is not authorized.</p>	<p>5900 MENAUL BLVD. NE ALBUQUERQUE, NM</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------

PLAN APPROVALS	
SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
CONST. MGR.	
OPERATIONS DEPT.	
REAL ESTATE DEPT.	
CO-SIGN SIGNATURES	
CONTRACTOR	
OWNER	

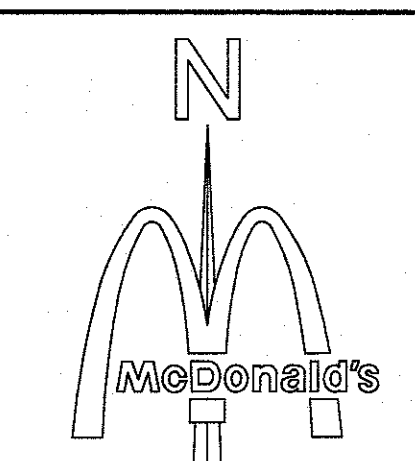
DESIGNED	DATE	BY
	APR 2020	RMS
DRAWN	DATE	BY
	APR 2020	RMS
CHECKED	DATE	BY
	MAY 2023	TNT
AS-BUILT	DATE	BY

PAVING PLAN

C6.0



THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.



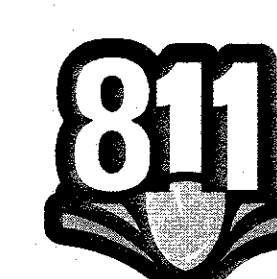
SCALE: 1" = 20'

NOTES

1. THE PAVING CONTRACTOR SHALL NOT PLACE PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, ETC., HAS BEEN INSTALLED. IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACING PERMANENT PAVEMENT. PRIOR TO STARTING OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS FROM CITY HAVE BEEN OBTAINED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRAFFIC CONTROL NECESSARY FOR DRIVE DEMOLITION/CONSTRUCTION.
3. REMOVAL OF EXISTING CURBS & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR DIRECTED BY THE PROJECT ENGINEER.
5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
7. DETECTABLE WARNING SURFACES SHALL BE "CAST-IN-PLACE REPLACEABLE."
8. SAWCUTS ALONG ROAD MUST BE A FULL DEPTH VERTICAL CUT WITH A CLEAN EDGE. IF CLEAN CUT IS NOT ACHIEVED, CONTRACTOR MUST EXTEND THE CUT ONE FOOT FROM THE EDGE AND MAKE THE PATCH. SEE COA STD. DWG. 2465 FOR PAVEMENT REPAIRS.

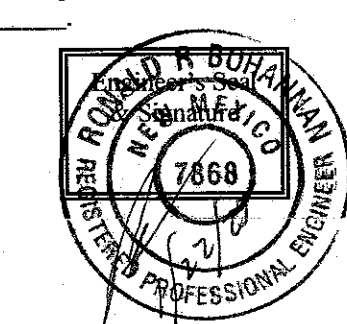
LEGEND

- CONCRETE SIDEWALK, MINIMUM 4" THICK CONCRETE TO BE 4000 PSI 28-DAYS STRENGTH. MINIMUM 12" SUBGRADE, 95% COMPACTION. (RE: COA DWG. 2430)
- ASPHALT DRIVEWAY (RE: COA DWG. 2426 AND SHEET 16 FOR PAVEMENT SECTION)
- ASPHALT PAVEMENT (RE: SHEET 16 FOR PAVEMENT SECTION)
- LANDSCAPE AREA
- LEVEL LANDING @ 2% MAX. SLOPE IN ANY DIRECTION
- SAWCUT LINE (SEE NOTE 8)
- TP = TOP OF PAVEMENT / SIDEWALK ELEVATION
- TC = TOP OF CURB ELEVATION
- GUT = GUTTER ELEVATION

CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.



CONSULTANTS

LANGAN

LANGAN Engineering and Environmental Services, Inc.
2990 Olympic Blvd, Suite 100
Dallas, Texas 75019 • (817) 338-3300

LANGAN JOB NO. 520015201
MCDONALD'S L.C. 030-0001

BENCH MARKS

1. AGRS MONUMENT "18" 118" STD. AGRS ALUM. DISC (FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE N.A.D. 1983)
N=1495167.654 E=1541177.063 PUBLISHED EL=5232.741 (NAVD 1988)
GROUND TO GRID FACTOR=0.99986884

2. AGRS MONUMENT "16" 118" STD. AGRS ALUM. DISC (FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE N.A.D. 1983)
N=1495150.704 E=1533201.222 PUBLISHED EL=5263.415 (NAVD 1988)
GROUND TO GRID FACTOR=0.999861845
DELTA ALPHA ANGLE=0°11'03.74"

12/22/2023

MATTHEW DORTE
NEW MEXICO
25909
PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION	BY
1	12/22/2023	DESIGNED BY: HJM	
2	12/22/2023	DRAWN BY: HJM	
3	12/22/2023	CHECKED BY: TNT	
4	12/22/2023	DATE: MAY 2023	

DESIGNED BY: HJM
DRAWN BY: HJM
CHECKED BY: TNT
DATE: MAY 2023



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

PAVING PLAN

McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM

DESIGN REVIEW COMMITTEE

APPROVED
Jan. 19, 2024
DESIGN REVIEW COMMITTEE

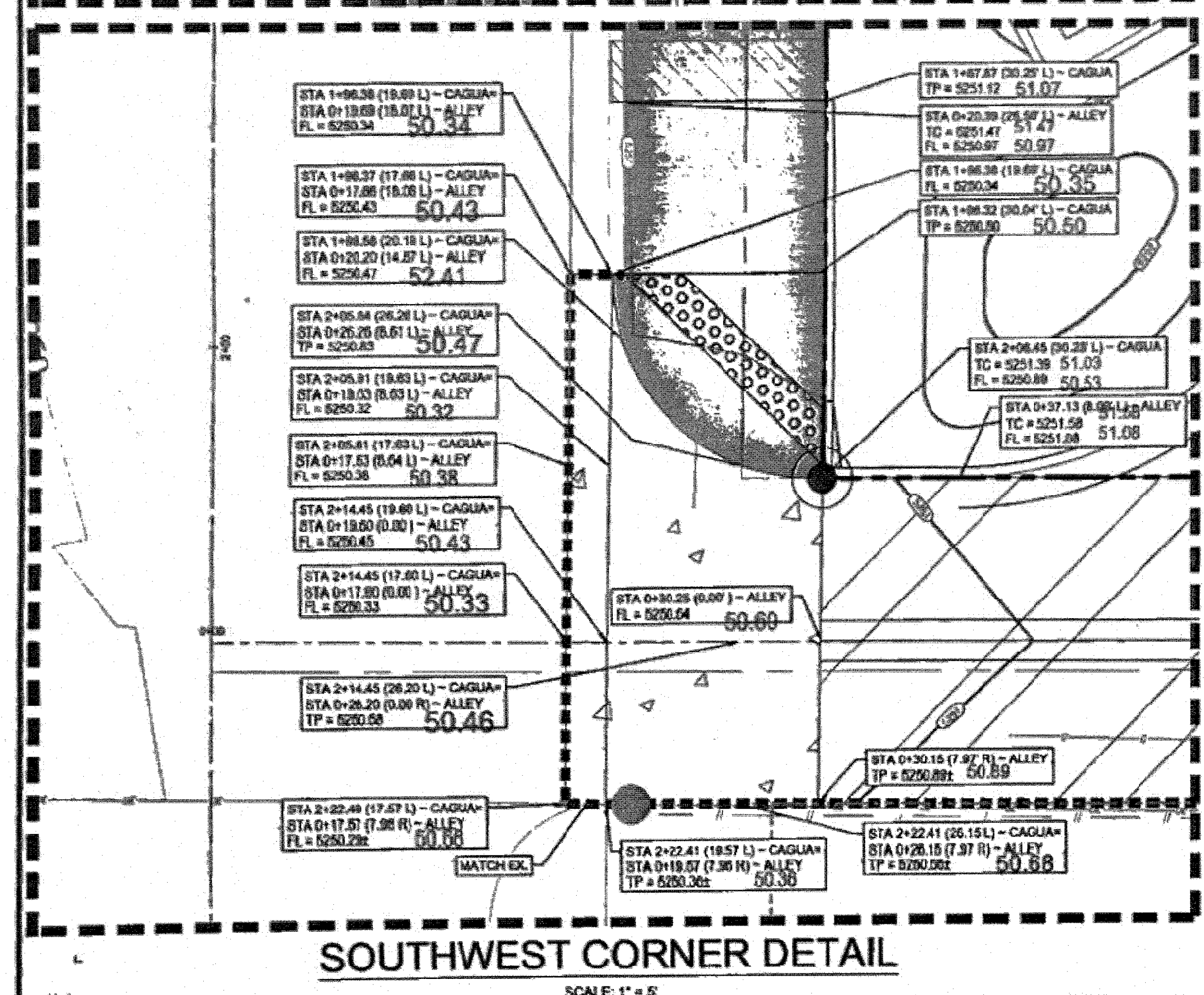
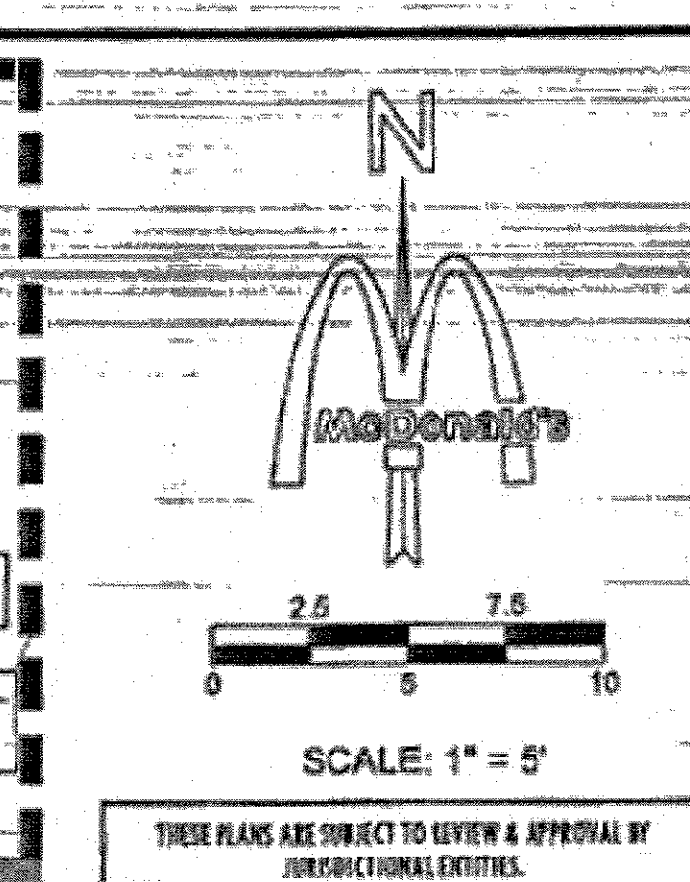
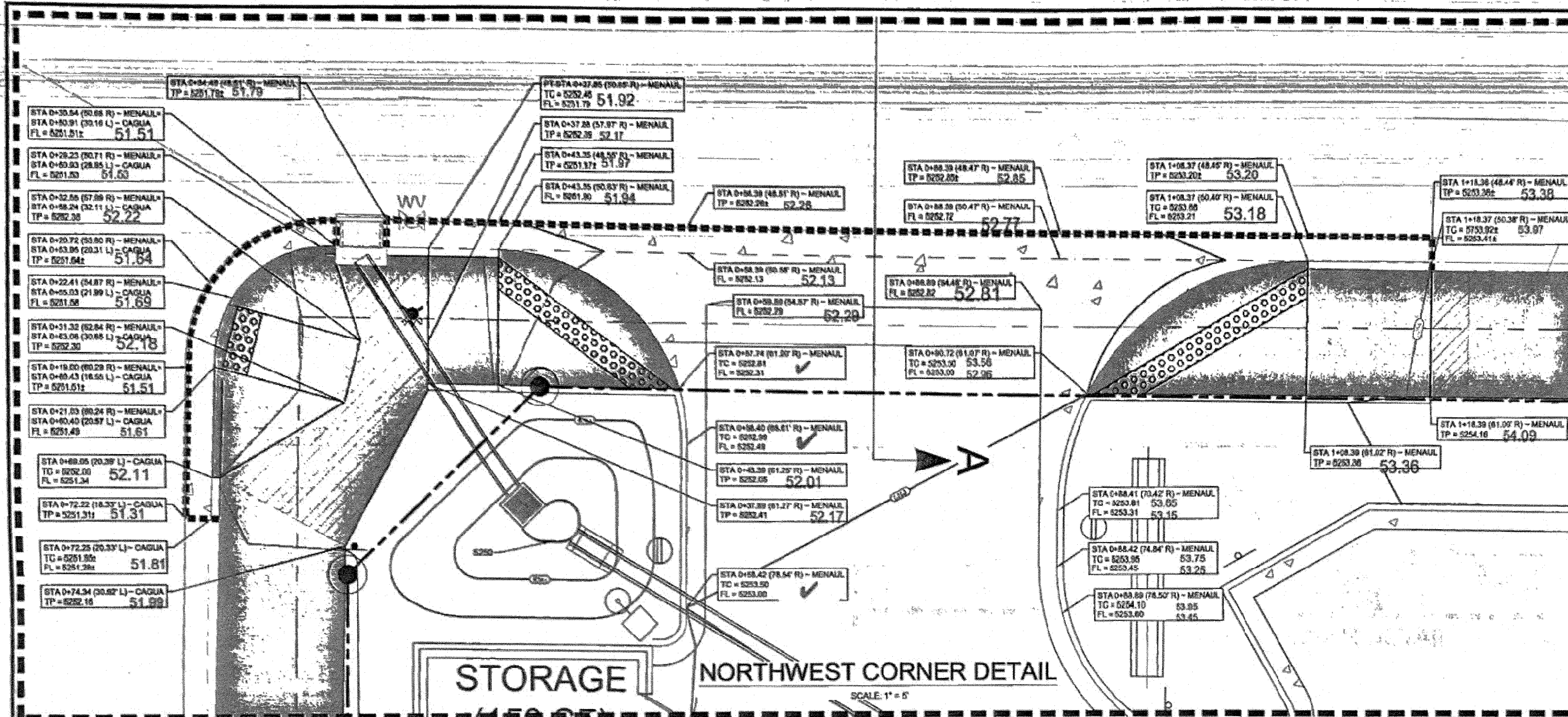
CITY ENGINEER APPROVAL

APPROVED
Jan. 23, 2024
CITY ENGINEER

ZONE MAP NO.
H-18

CITY PROJECT NO.
409180

SHEET NO.
15



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.

LEGEND

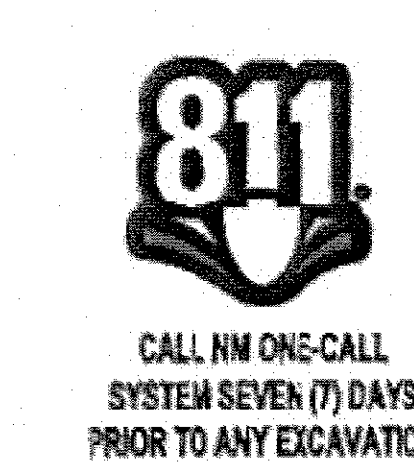
- CONCRETE SIDEWALK, MINIMUM 4" THICK CONCRETE, TO BE 4000 PSI 28-DAY'S STRENGTH, MINIMUM 12" SUBGRADE, 95% COMPACTION. (RE: COA DWG. 2430)
- ASPHALT DRIVEWAY (RE: COA DWG. 2428 AND SHEET 16 FOR PAVEMENT SECTION)
- ASPHALT PAVEMENT (RE: SHEET 16 FOR PAVEMENT SECTION)
- LANDSCAPE AREA
- LEVEL LANDING @ 2% MAX. SLOPE IN ANY DIRECTION
- SAWCUT LINE (SEE NOTE 8)

TP = TOP OF PAVEMENT / SIDEWALK ELEVATION
TC = TOP OF CURB ELEVATION
GUT = GUTTER ELEVATION

- NOTES**
- THE PAVING CONTRACTOR SHALL NOT PLACE PERMANENT PAYMENT UNITS, ALL SLEEVES FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, ETC. HAS BEEN INSTALLED. IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACING OF PERMANENT PAVEMENT PRIOR TO STARTING OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS FROM CITY HAVE BEEN OBTAINED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRAFFIC CONTROL NECESSARY FOR DRIVE DEMOLITION/CONSTRUCTION.
 - REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
 - CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ADJUTING EXISTING AREAS AS SHOWN ON THE PLANS OR DIRECTED BY THE PROJECT ENGINEER.
 - THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
 - CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 80, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 80 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
 - DETECTABLE WARNING SURFACES SHALL BE "EAST-IN-PLACE REPLACEABLE".
 - SAWCUTS ALONG ROAD MUST BE A FULL DEPTH VERTICAL CUT WITH A CLEAN EDGE. IF CLEAN CUT IS NOT ACHIEVED, CONTRACTOR MUST EXTEND THE CUT ONE FOOT FROM THE EDGE AND MAKE THE PATCH. SEE COA STD. DWG. 2465 FOR PAVEMENT REPAIRS.

"As Built"

July 1, 2025



		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION
PAVING PLAN ENLARGMENTS 1 M. McDonald's USA, LLC 5900 MENAUL BLVD. NE, ALBUQUERQUE, NM		
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. H-18
		CITY PROJECT NO. 409180
		SHEET NO. 16

LANGAN

Langan Engineering and
Environmental Services, Inc.
2890 Chippewa Blvd., Suite 100 • Dallas, Texas 75226 • (214) 358-1234

LANGAN JOB NO. 520015201
MCDONALD'S LLC 650-0001

BENCH MARKS

1. AGS MONUMENT 18, NIP STD. AGS ALUM. DISC (FOUND IN PLACE)
NAD 83 STATE PL. COORDINATES (CENTRAL ZONE-NAD 83)
N=45,167.654 E=51,541.177 UTM ZONE 18Q
GROUND TO GRID FACTOR=0.999999994

2. DELTA PL. MONUMENT 17, NIP STD. AGS ALUM. DISC (FOUND IN PLACE)
NAD 83 STATE PL. COORDINATES (CENTRAL ZONE-NAD 83)
N=45,167.704 E=51,541.222 UTM ZONE 18Q
GROUND TO GRID FACTOR=0.999999945
DELTA ALPHA ANGLE=47.11614"

NO.	DATE
DESCRIPTION	BY
AS-BUILT INFORMATION: L. DOMINGUEZ	CONTRACTOR: BAY AREA LLC
WORK STAGED BY: L. DOMINGUEZ	DATE: 2024
INSPECTOR'S ACCEPTANCE BY: CARLOS J. TULLO	DATE: 2025
FIELD VERIFICATION BY: COA ASSESSOR TULLO	DATE: 2025
DRAWINGS CORRECTED BY: JILL L. DOMINGUEZ	DATE: 2025

SOUTHEAST CORNER DETAIL

SCALE: 1" = 5'

W/LIGHT
HEIGHT=27.3'

PC STA 2+80.00 (80.00 R) - MENAUL
STA 2+80.00 (80.00 R) - SAN PEDRO
TC = 8256.00
OUT = 8256.00

STA 2+80.00 (80.00 R) - MENAUL
STA 2+80.00 (80.00 R) - SAN PEDRO
TC = 8256.00
FL = 8256.15

STA 2+87.82 (87.82 R) - MENAUL
STA 2+87.82 (87.82 R) - SAN PEDRO
TC = 8256.28
FL = 8256.28

STA 3+01.17 (01.17 R) - MENAUL
STA 3+01.17 (01.17 R) - SAN PEDRO
TC = 8256.34
FL = 8256.34

STA 3+05.79 (05.79 R) - MENAUL
STA 3+05.79 (05.79 R) - SAN PEDRO
TC = 8256.39
FL = 8256.39

STA 2+80.83 (80.83 R) - MENAUL
STA 2+80.83 (80.83 R) - SAN PEDRO
TP = 8256.87
FL = 8256.87

STA 2+80.83 (80.83 R) - MENAUL
STA 2+80.83 (80.83 R) - SAN PEDRO
TP = 8256.87
FL = 8256.87

STA 2+86.75 (86.75 R) - MENAUL
STA 2+86.75 (86.75 R) - SAN PEDRO
TP = 8257.10
FL = 8257.10

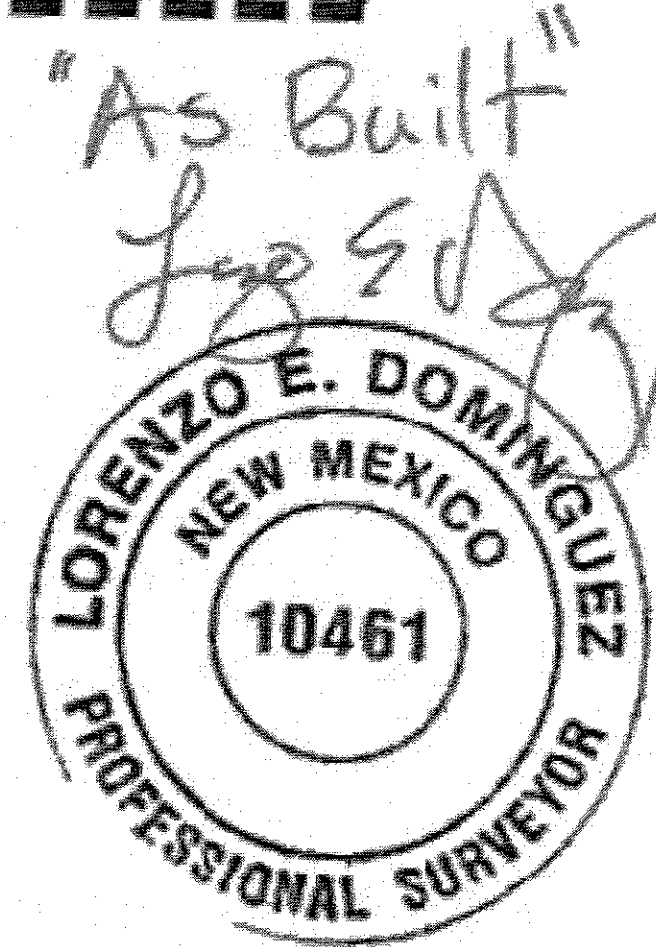
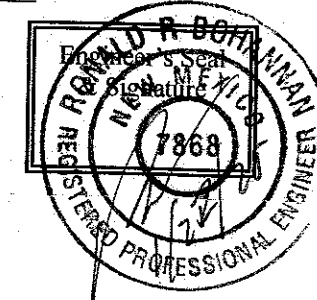
PT STA 3+07.49 (07.49 R) - MENAUL
STA 3+07.49 (07.49 R) - SAN PEDRO
TC = 8256.95
FL = 8256.95

NORTHEAST CORNER DETAIL

SCALE: 1" = 5'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.



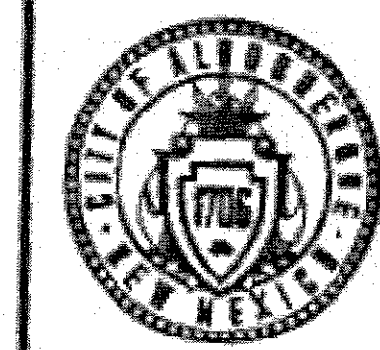
"As Built"
Lorenzo E. Dominguez

LEGEND

- CONCRETE SIDEWALK, MINIMUM 4" THICK CONCRETE TO BE 4000 PSI 28-DAYS STRENGTH. MINIMUM 12" SUBGRADE, 90% COMPACTION. (RE: COA DWG. 2430)
- ASPHALT DRIVEWAY (RE: COA DWG. 2426 AND SHEET 16 FOR PAVEMENT SECTION)
- ASPHALT PAVEMENT (RE: SHEET 16 FOR PAVEMENT SECTION)
- LANDSCAPE AREA
- LEVEL LANDING @ 2% MAX. SLOPE IN ANY DIRECTION
- SAWCUT LINE (SEE NOTE 8)
- TP= TOP OF PAVEMENT / SIDEWALK ELEVATION
- TO= TOP OF CURB ELEVATION
- GUT= GUTTER ELEVATION

NOTES

- THE PAVING CONTRACTOR SHALL NOT PLACE PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, ETC. HAS BEEN INSTALLED. IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACING OF PERMANENT PAVEMENT. PRIOR TO STARTING OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS FROM CITY HAVE BEEN OBTAINED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRAFFIC CONTROL NECESSARY FOR DRIVE DEMOLITION/CONSTRUCTION.
- REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
- CURB AND EXISTING SIDEWALKS AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ADJACENT EXISTING AREAS AS SHOWN ON THE PLANS OR DIRECTED BY THE PROJECT ENGINEER.
- THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
- CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 80, REMOVE 2 FEET OF SUBGRADE MATERIAL AND SUPPORT MATERIAL WITH R-VALUE GREATER THAN 80 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
- DETECTABLE WARNING SURFACES SHALL BE "CAST-IN-PLACE" REPLACEMENT.
- SAWCUTS ALONG ROAD MUST BE A FULL DEPTH VERTICAL CUT WITH A CLEAN EDGE. IF CLEAN CUT IS NOT ACHIEVED, CONTRACTOR MUST EXTEND THE CUT ONE FOOT FROM THE EDGE AND MAKE THE PATCH TO CITY STD. DWG. 2468 FOR PAVEMENT REPAIRS.



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
PAVING PLAN ENLARGMENTS 2
M. McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM

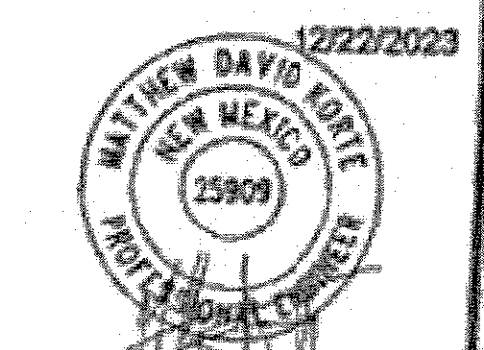
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO.
		H-18
		CITY PROJECT NO.
		409180
		SHEET NO.
		17

CONSULTANTS

LANGAN
Langan Engineering and
Environmental Services, Inc.
3000 Chippewa Blvd. Ste. 1000 Dallas, Texas 75225 (972) 355-1000

LANGAN JOB NO. 520015201
MCDONALD'S LLC. 030-0001

BENCH MARKS
1. AGRS MONUMENT "11" 1/4 SEC. 36, T14N, R10E, S14E, ALBUQUERQUE PLAZA
N=1482.167, E=1482.167, ZONE=1482.167, PUBLISHED 01-03-24, NAVD 1983
GROUND TO GRID FACTOR=0.99999484
2. AGRS MONUMENT "11" 1/4 SEC. 36, T14N, R10E, S14E, ALBUQUERQUE PLAZA
N=1482.167, E=1482.167, ZONE=1482.167, PUBLISHED 01-03-24, NAVD 1983
GROUND TO GRID FACTOR=0.99999484
DELTA ALPHA ANGLE=97.1727°



NO.	DATE	DESCRIPTION	CONTRACTOR	PARALLEL BY
1	2024	AS-BUILT INFORMATION	L. DOMINGUEZ	BARCELONA
2	2025	WORK STARTED BY	L. DOMINGUEZ	BARCELONA
3	2025	INSPECTORS ACCEPTANCE BY	COA, BARCELONA	TRULL
4	2025	FIELD VERIFICATION BY	COA, BARCELONA	TRULL
5	2025	DRAWINGS CORRECTED BY	TRULL	L. DOMINGUEZ

DESIGNED BY: HJM	DRAWN BY: HJM
CHECKED BY: TNY	DATE: MAY 2023

FULL PATH: C:\Users\paw\OneDrive\Documents\paw\1010133\1010133.PAVING PLAN

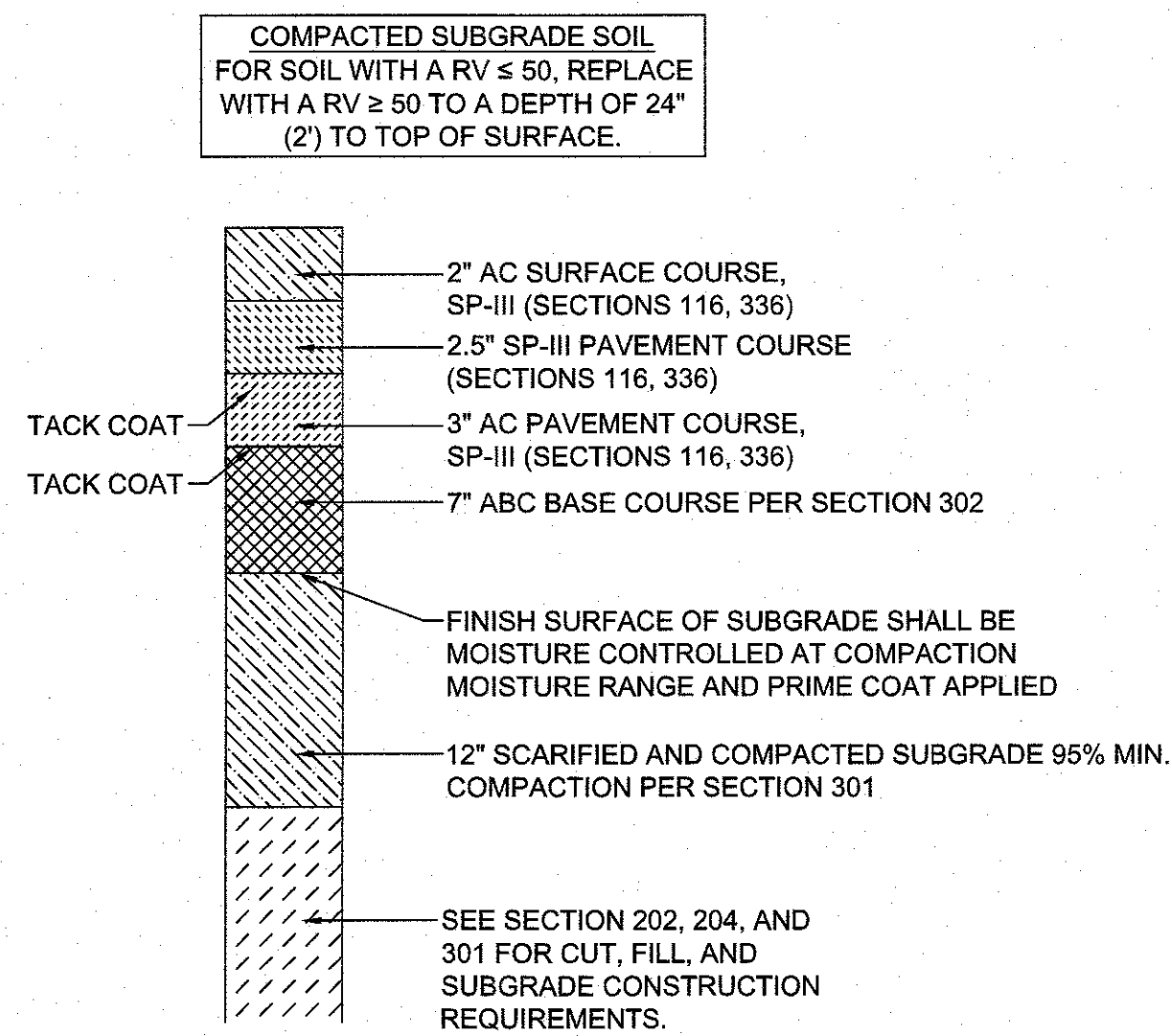
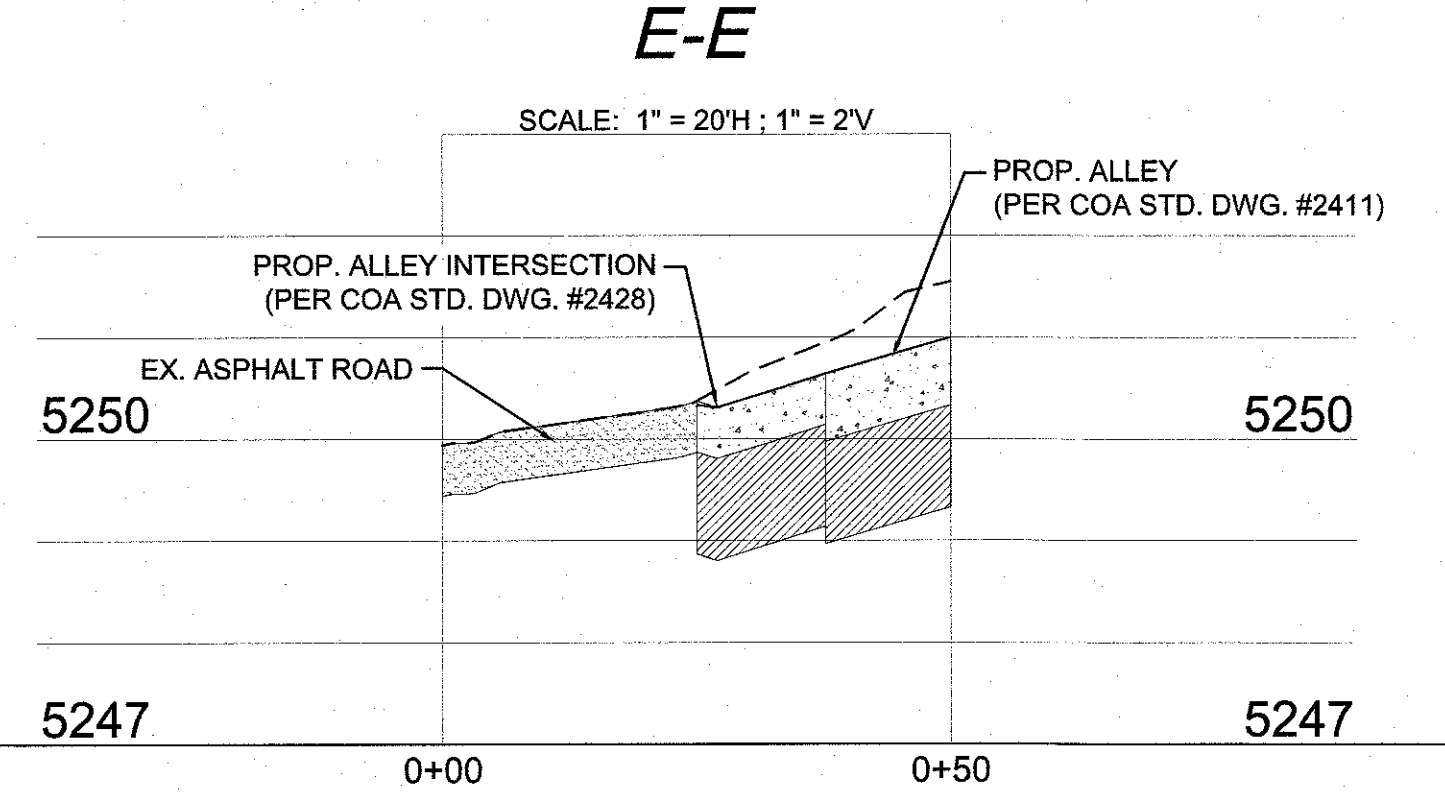
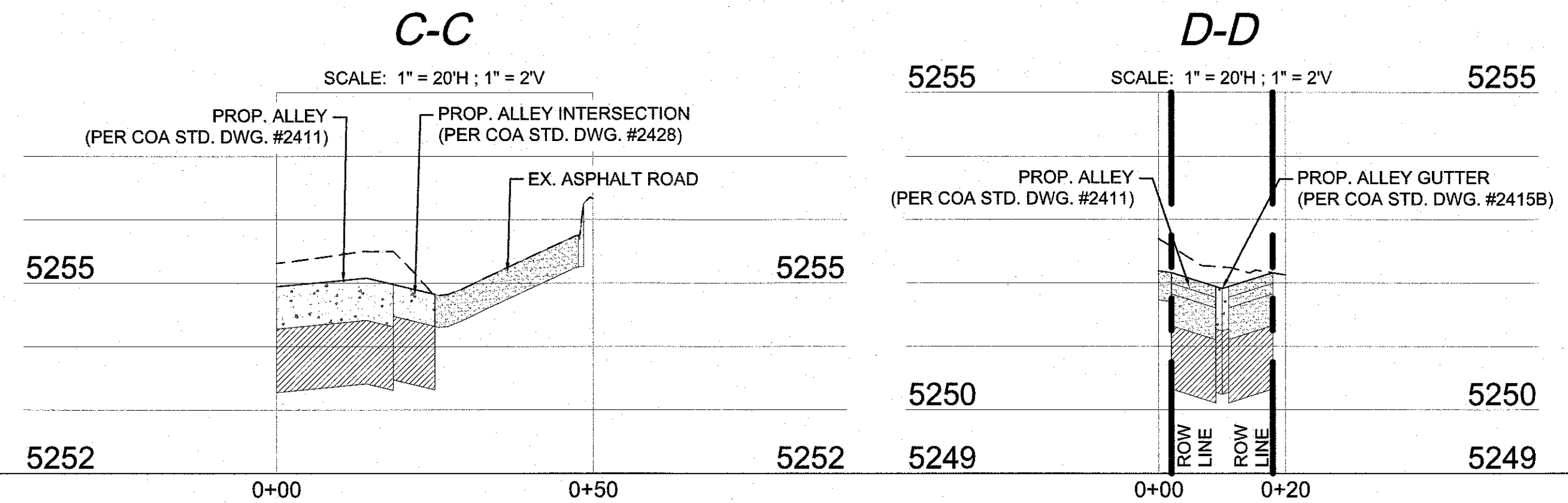
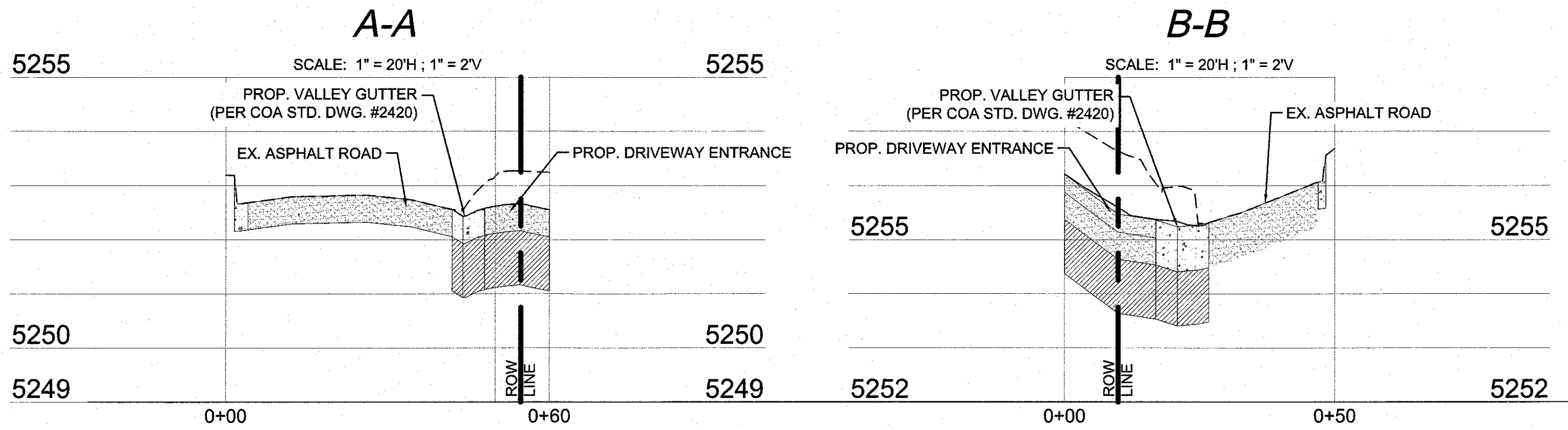
PLOTTER: DWG TO PDF.pc3

PLOT TIME: 11:01:33 AM

PLOT DATE: Tuesday, December 19, 2023

PLOTTED BY: Maria Koyemba

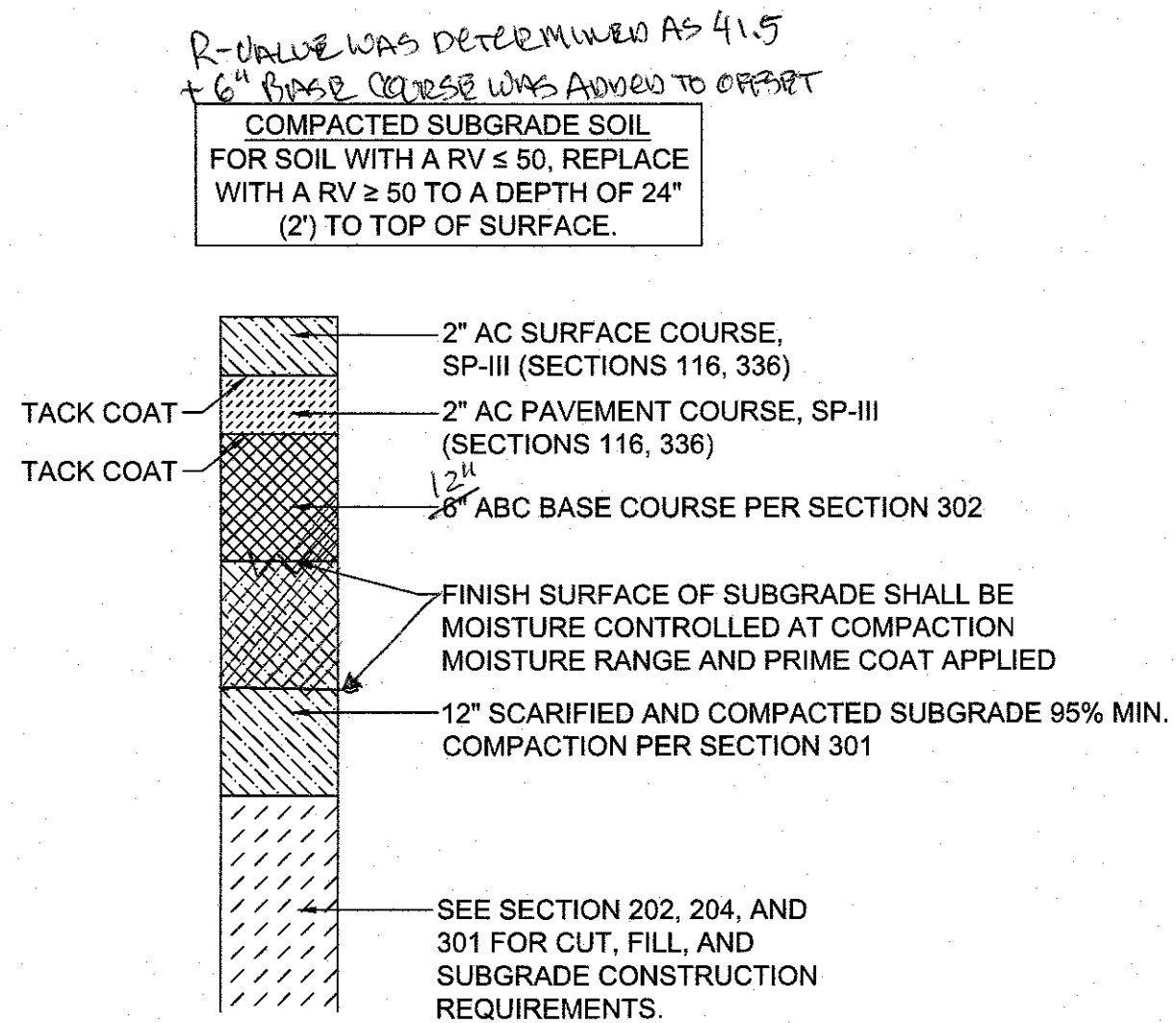
FILENAME: 8 PAVING PLAN.dwg



FLEXIBLE PAVEMENT SECTION
N.T.S.

- NOTES:
1. NO MORE THAN 15% RECYCLED ASPHALT PAVEMENT (RAP) ALLOWED.
 2. PAVEMENT SECTION SHALL MEET THIS CRITERIA OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER.

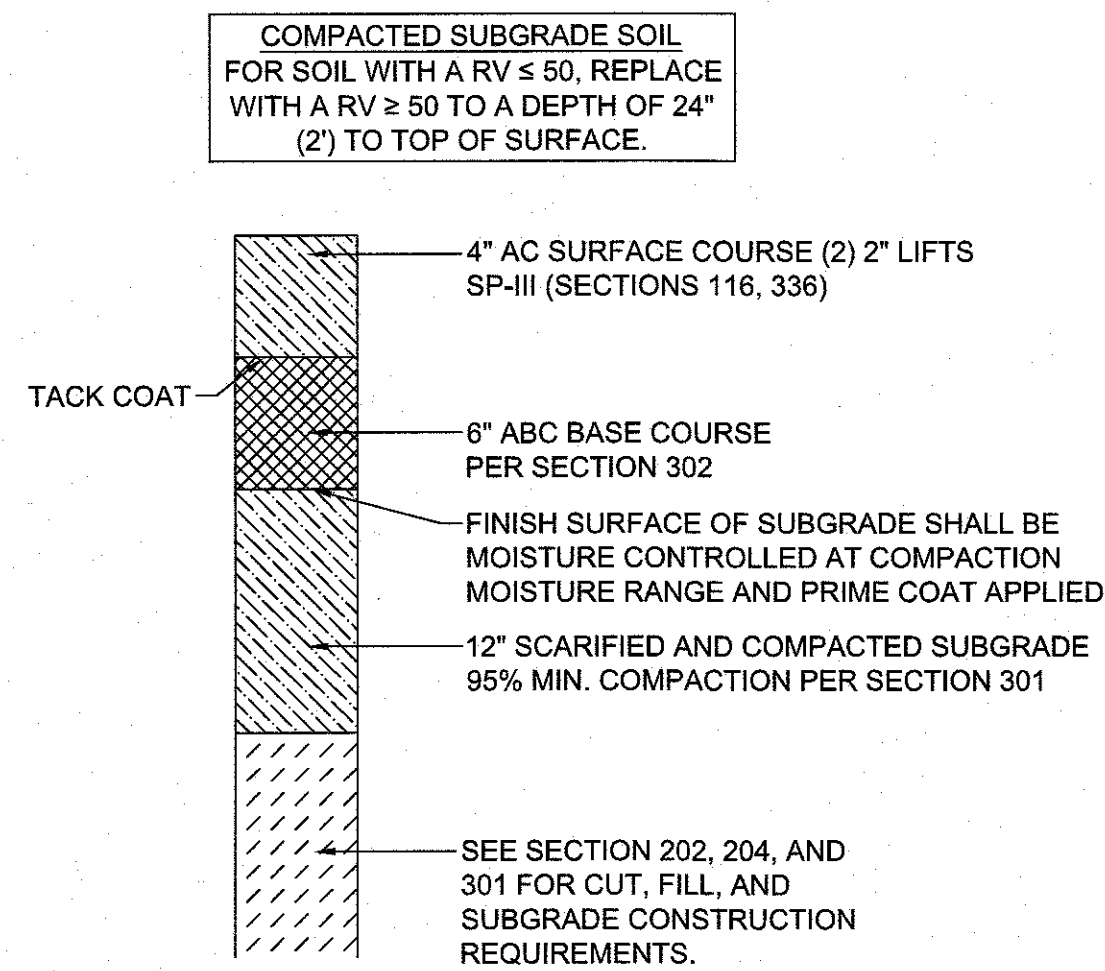
SAN PEDRO PAVEMENT SECTION



FLEXIBLE PAVEMENT SECTION
N.T.S.

- NOTES:
1. NO MORE THAN 15% RECYCLED ASPHALT PAVEMENT (RAP) ALLOWED.
 2. PAVEMENT SECTION SHALL MEET THIS CRITERIA OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER.

ALLEY PAVEMENT SECTION



FLEXIBLE PAVEMENT SECTION
N.T.S.

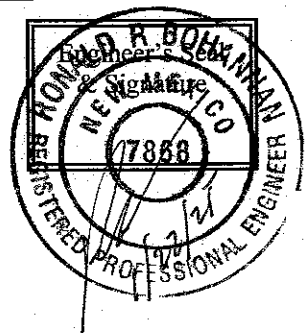
- NOTES:
1. NO MORE THAN 15% RECYCLED ASPHALT PAVEMENT (RAP) ALLOWED.
 2. PAVEMENT SECTION SHALL MEET THIS CRITERIA OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER.

DRIVEWAY PAVEMENT SECTION

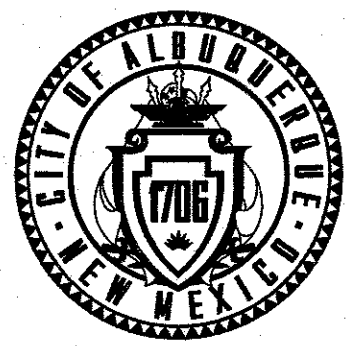
- ***NOTES***
1. THE PAVING CONTRACTOR SHALL NOT PLACE PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, ETC. HAS BEEN INSTALLED. IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACING OF PERMANENT PAVEMENT. PRIOR TO STARTING OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS FROM CITY HAVE BEEN OBTAINED.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRAFFIC CONTROL NECESSARY FOR DRIVE DEMOLITION/CONSTRUCTION.
 3. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
 4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR DIRECTED BY THE PROJECT ENGINEER.
 5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
 6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
 7. DETECTABLE WARNING SURFACES SHALL BE "CAST-IN-PLACE REPLACEABLE."
 8. SAWCUTS ALONG ROAD MUST BE A FULL DEPTH VERTICAL CUT WITH A CLEAN EDGE. IF CLEAN CUT IS NOT ACHIEVED, CONTRACTOR MUST EXTEND THE CUT ONE FOOT FROM THE EDGE AND MAKE THE PATCH. SEE COA STD. DWG. 2465 FOR PAVEMENT REPAIRS.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.



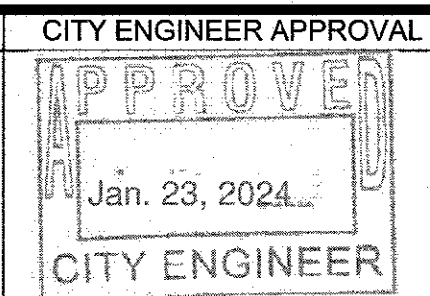
CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

PAVING CROSS SECTIONS

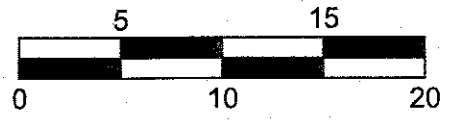
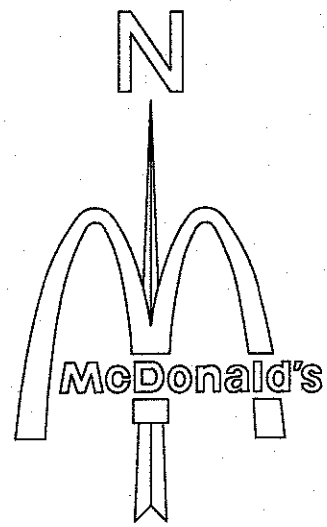
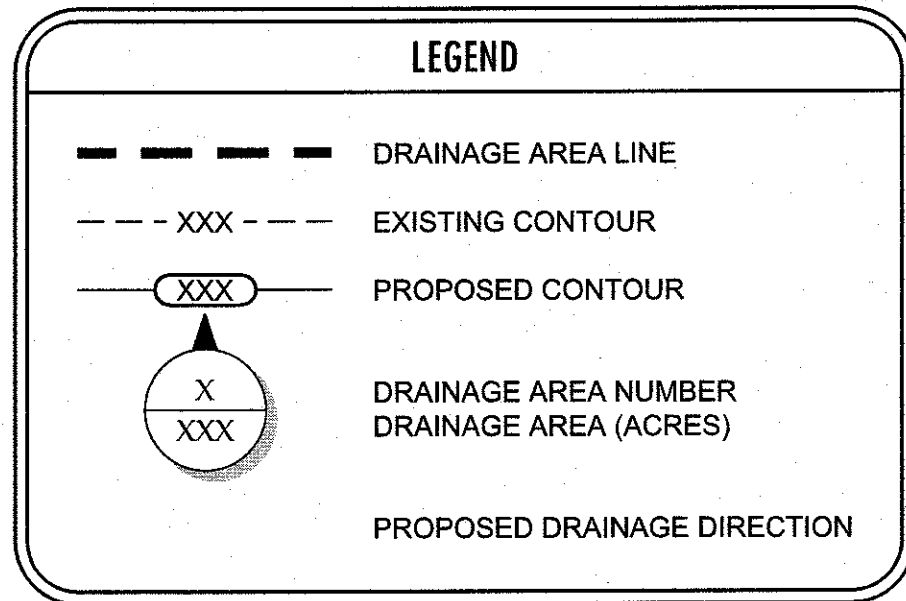
McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM



DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
ZONE MAP NO.
H-18
CITY PROJECT NO.
409180
SHEET NO.
18

POST-DEVELOPMENT 100-YEAR, 6-HOUR RUNOFF CALCULATIONS								
Drainage Area Number	Area (ac)	Land Treatment Condition				Excess Precipitation (in)	Volume (ac-ft)	Peak Discharge (cfs)
		A	B	C	D			
O-1	0.109	0.000	0.000	0.000	0.109	2.36	0.02	0.55
A-1	0.164	0.000	0.000	0.009	0.155	2.24	0.03	0.81
Total	0.273	0.000	0.000	0.009	0.264	4.598	0.052	1.355

Note: Calculations in accordance with the City of Albuquerque Development Process Manual. The site is in Precipitation Zone 3.



THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

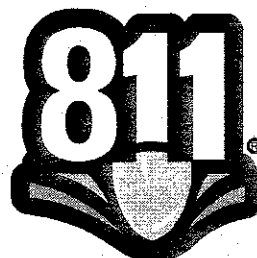
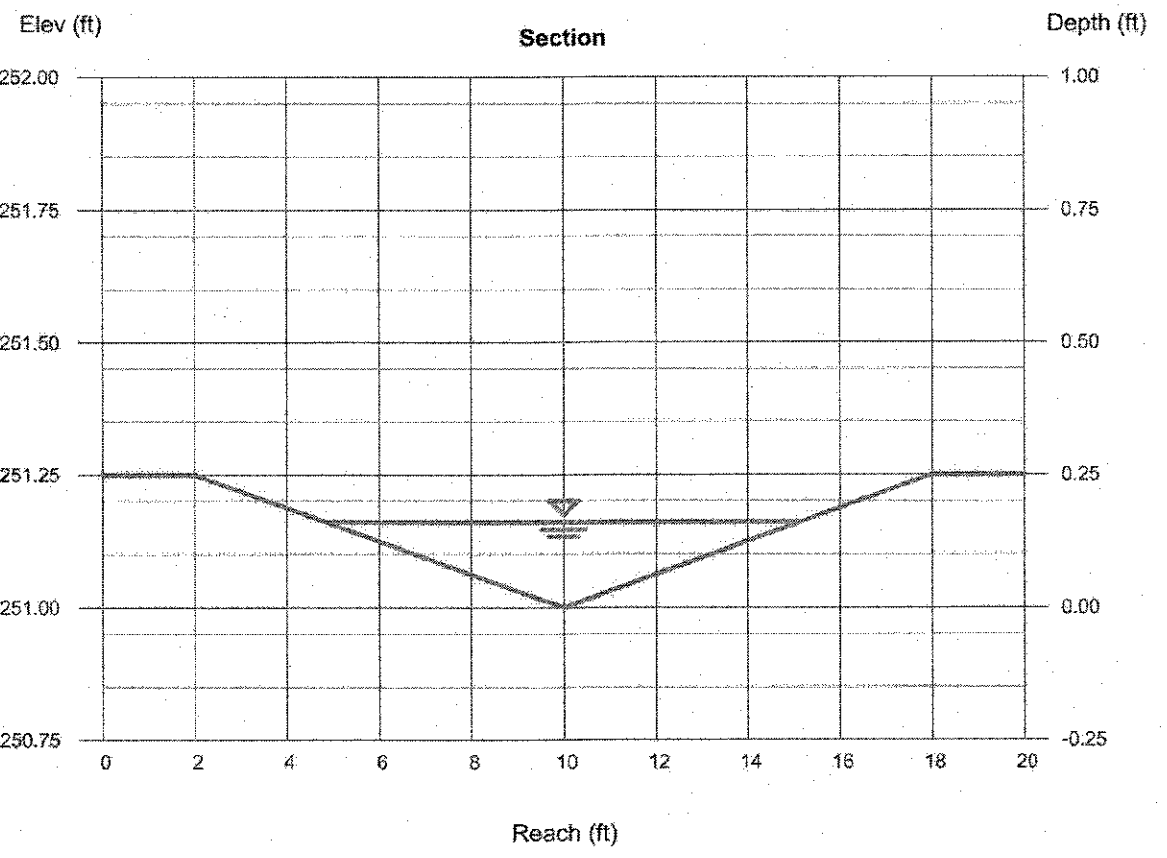
Channel Report

HydroFlow Express Extension for AutoCAD® Civil 3D® by Autodesk, Inc. Wednesday, Mar 22 2023

<Name>

Triangular			
Slope (ft)	= 32.00	32.00	
Total Depth (ft)	= 0.25		
Invert Elev (ft)	= 5251.00		
Slope (%)	= 1.00		
N-Value	= 0.015		
Calculations	Known Q		
Compute by:	Known Q		
Known Q (cfs)	= 1.36		

Highlighted			
Depth (ft)	= 0.16		
Q (cfs)	= 1.360		
Area (sqft)	= 0.82		
Velocity (ft/s)	= 1.68		
Wetted Perim (ft)	= 10.25		
Crit Depth, Yc (ft)	= 0.17		
Top Width (ft)	= 10.24		
EGL (ft)	= 0.20		



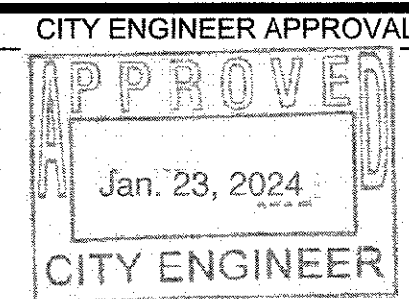
CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DRAINAGE PLAN

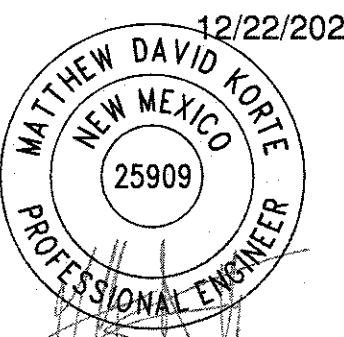
McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM



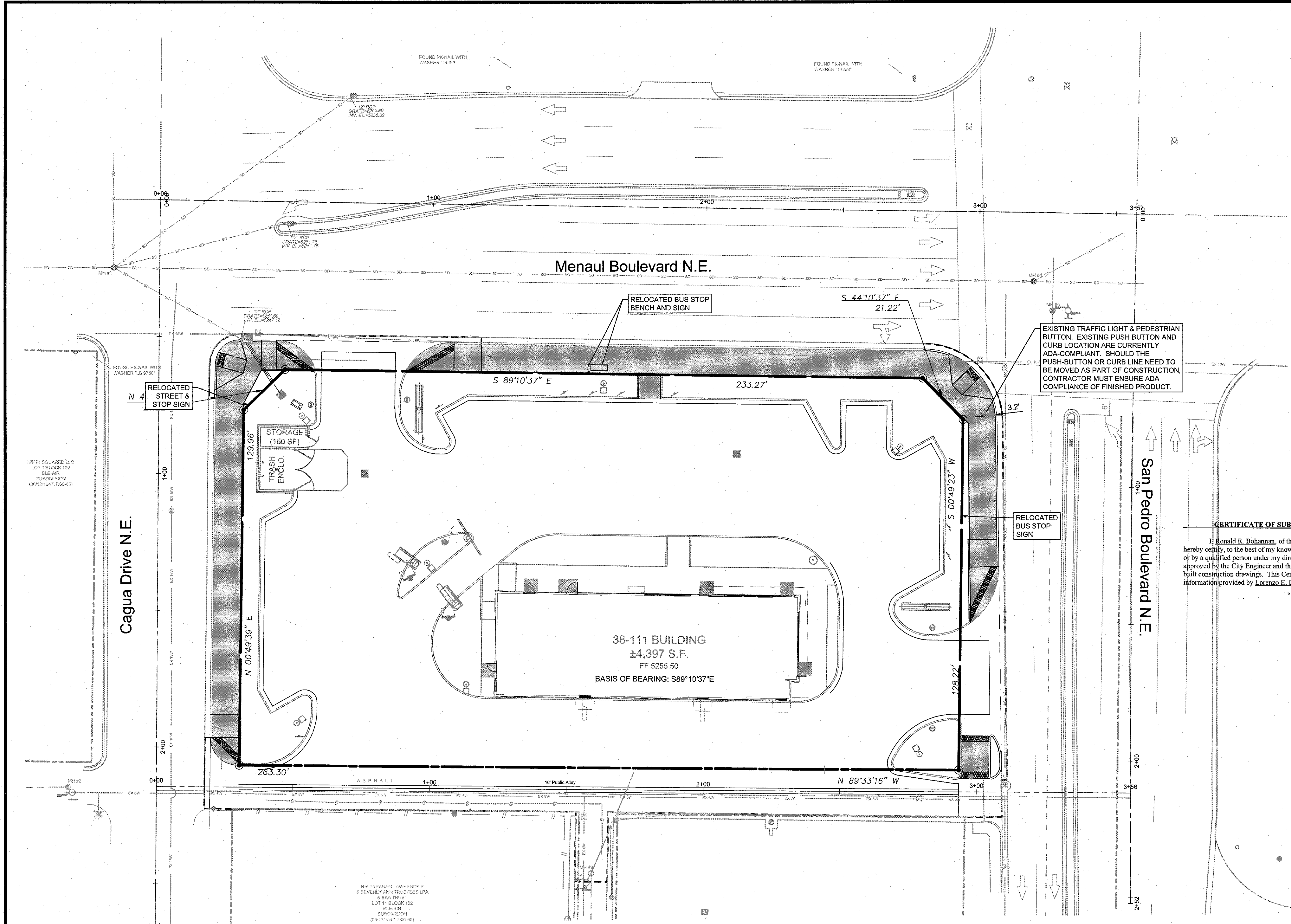
DESIGNED BY:	HJM
DRAWN BY:	HJM
CHECKED BY:	TNT
DATE:	MAY 2023

ZONE MAP NO.	H-18
CITY PROJECT NO.	409180
SHEET NO.	19

1. AGRS MONUMENT "18_H18" STD. AGRS ALUM. DISC. FOUND IN PLACE
NEW MEXICO STATE PLAT COORDINATES CENTRAL ZONE NAD 1983
N=1495167.654 E=1541177.063 PUBLISHED EL-5022.741 (NAVD 1989)
GROUND TO GRID FACTOR=0.99986484
DELTA ALPHA ANGLE=0°11'27.04"
2. AGRS MONUMENT "16_H16" STD. AGRS ALUM. DISC. FOUND IN PLACE
NEW MEXICO STATE PLAT COORDINATES CENTRAL ZONE NAD 1983
N=1495150.704 E=1543320.222 PUBLISHED EL-5023.415 (NAVD 1989)
GROUND TO GRID FACTOR=0.99961945
DELTA ALPHA ANGLE=0°11'08.74"



NO.	DATE	DESCRIPTION	BY
1	12/22/2023	CONTRACTOR LAYOUT	LEJ
2	2/24/2024	WORK STAKED BY: L. DOMINGUEZ	
3	2/25/2024	INSPECTOR'S ACCEPTANCE BY: CEA/ARQUAY/LLC	
4	2/25/2024	FIELD VERIFICATION BY: CEA/ARQUAY/LLC	
5	2/25/2024	DRAWINGS CORRECTED BY: TULCI L. DOMINGUEZ	



McDonald's

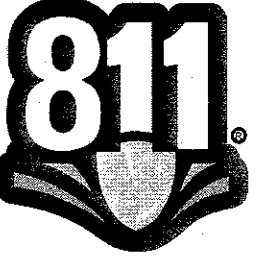
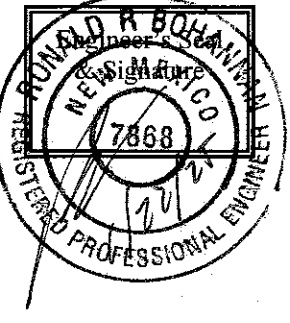
SCALE: 1" = 20'

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

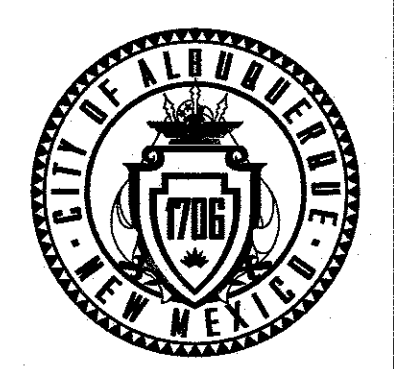
- ***NOTES***
- RELOCATED SIGNS SHALL BE INSTALLED PER CITY OF ALBUQUERQUE STANDARD DETAILS 2600-701, 2600-702, AND 2600-703.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 part of this project 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 approved by the City Engineer 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 with survey information provided by Lorenzo E. Dominguez, NMPS number 10461.



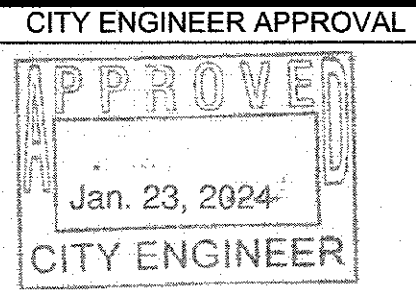
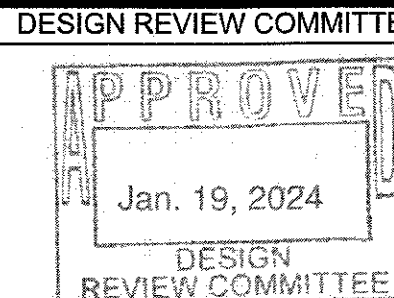
CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

STRIPING AND SIGNAGE PLAN

McDonald's USA, LLC
5900 MENAUL BLVD. NE, ALBUQUERQUE, NM



DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO.
APPROVED Jan. 19, 2024 DESIGN REVIEW COMMITTEE	APPROVED Jan. 23, 2024 CITY ENGINEER	H-18
		CITY PROJECT NO. 409180
		SHEET NO. 21

LANGAN

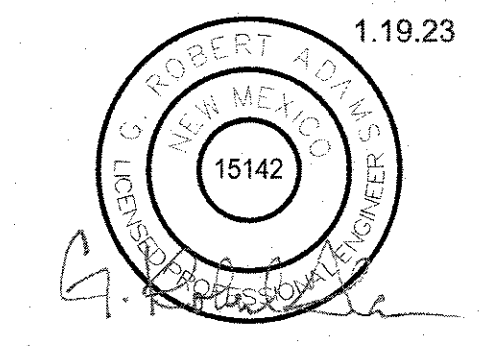
LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
2959 Olympic Blvd., Suite 105 • Dallas, Texas 75219 • (817) 328-3300

LANGAN JOB NO. E20015201
MCDONALD'S LC: 030-0001

BENCH MARKS

1. AGRS MONUMENT "18" HIF STD. AGRS ALUM. DISC (FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1485.167.654 E=1541.177.063 PUBLISHED EL=5232.741 (NAVD 1983)
GROUND TO GRID FACTOR=0.999664884
DELTA ALPHA ANGLE=-0°11'27.04"

2. AGRS MONUMENT "16" HIF STD. AGRS ALUM. DISC (FOUND IN PLACE)
NEW MEXICO STATE PLAN COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1485.150.704 E=1543.820.222 PUBLISHED EL=5233.415 (NAVD 1983)
GROUND TO GRID FACTOR=0.999661845
DELTA ALPHA ANGLE=-0°11'03.74"



NO.	DATE	DESCRIPTION	BY
1	2024	CONTRACTOR: BOHANNON	
2	2024	WORK STAKED BY: L. DOMINGUEZ	
3	2025	INSPECTOR'S ACCEPTANCE BY: CON. FRANCISCA FILLIC	
4	2025	FIELD VERIFICATION BY: CON. FRANCISCA FILLIC	
5	2025	DRAWINGS CORRECTED BY: L. DOMINGUEZ	

