

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

December 7, 2022

Dana Peterson, P.E.
AECOM
6501 Americas Pkwy NE Suite 900
Albuquerque, NM 87107

**RE: ABCWUA Distribution Fill Soils Yard
5408 2nd St. NW
Permanent C.O. - Accepted
Engineer's Certification Date: 11/09/22
Engineer's Stamp Date: 1/13/22
Hydrology File: F15D056**

Dear Mr. Peterson:

PO Box 1293

Based on the Certification received 11/15/2022 and site visit on 12/06/22, this certification is approved in support of Permanent Release of Occupancy by Hydrology.

Albuquerque

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

NM 87103

www.cabq.gov

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

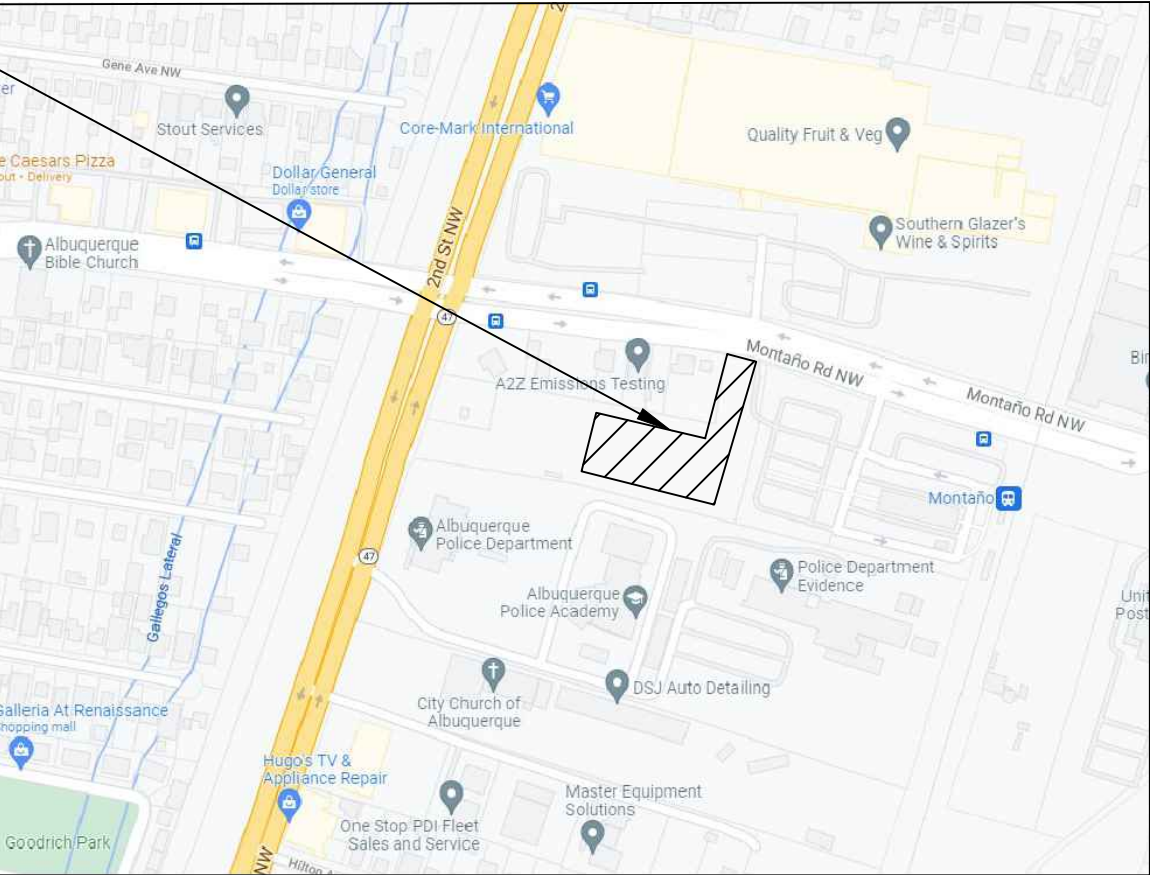


CONSTRUCTION DRAWINGS FOR
ROADWAY FOR
DISTRIBUTION FILL SOILS YARD

CENTRAL ENGINEERING DESIGN
PROJECT NUMBER 2309.013
CENTRAL ENGINEERING CONSTRUCTION
PROJECT NUMBER 2323.047yy
NOVEMBER 2021

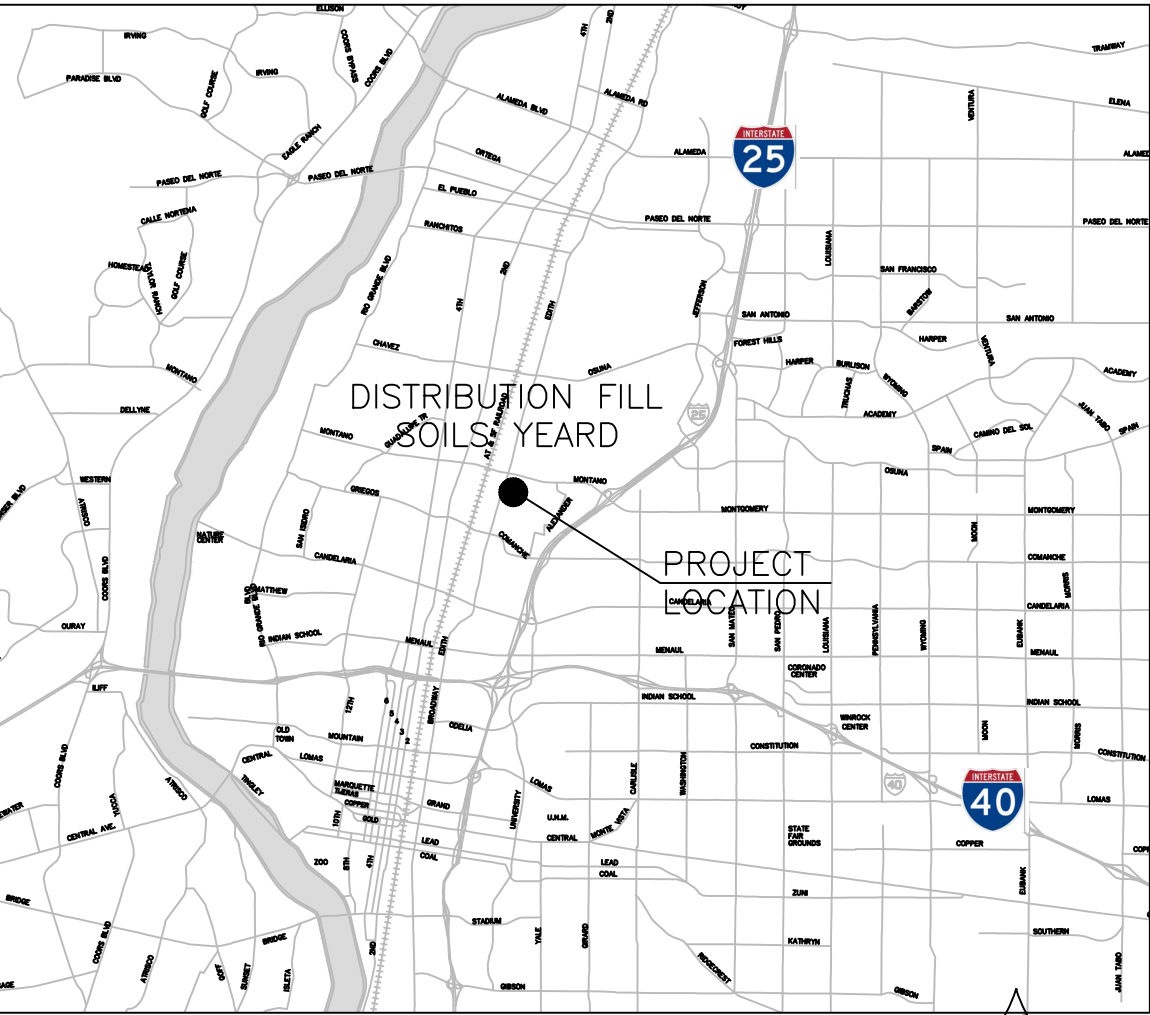
INDEX OF DRAWINGS		
SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
1	G-1	COVER SHEET AND INDEX OF DRAWINGS
2	G-2	ABBREVIATIONS AND SYMBOLS
3	G-3	GENERAL NOTES
4	C-1	PROJECT SITE PLAN
5	C-2	DRAINAGE AND GRADING PLAN
6	C-3	PERIMETER ROAD LAYOUT PLAN
7	C-4	TYPICAL SECTIONS AND DETAILS
8	C-5	TYPICAL SECTIONS AND DETAILS
9	C-6	AS-BUILT SURVEY

PROJECT LOCATION
NEAR INTERSECTION OF
2ND ST AND MONTANO RD NW
ALBUQUERQUE, NM. 87107



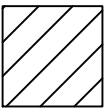
LOCATION MAP

SCALE: 1"=1000'
(ZONE ATLAS MAP NO. H-19)



VICINITY MAP

SCALE: 1"=2 MILES



PROJECT AREA

CONTACT:
LUIS ORDONEZ-OLIVAS
505-239-8025
lordonez@abcwua.org

RECORD DRAWING

I The Undersigned, a Registered Professional Engineer in the State of New Mexico, Do hereby certify that the indicated Record Drawings are based upon information provided by the Construction Contractor in the form of red-lined construction drawing markups to the original Design Drawings. The transfer of information herein is true and correct to the best of my knowledge and belief. However, I have not verified the accuracy and/or completeness of the information provided by the Construction Contractor and shall not be responsible for errors or omissions that may be incorporated as a result of erroneous information provided by others. All information including vertical and horizontal dimensions should be field verified prior to use on future projects.

Raymond W. Richards 11-09-2022



AS-BUILT

WATER AUTHORITY CONSTRUCTION PROJECT NO.	2323.047yy	SHEET G-1	OF 9
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ABBREVIATIONS

@	ABBREVIATION
ADD	ADDITIVE
ADD'L	ADDITIONAL
ALT	ALTERNATE/ALTERNATIVE
ALUM	ALUMINUM
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
AB	ANCHOR BOLTS
ARCH	ARCHITECTURE/ARCHITECTURAL
ASPH	ASPHALT

BP	BASE PLATE/BEARING PLATE
BM	BEAM
BRG	BEARING
BM	BENCH MARK
BIT	BITUMINOUS, BITUMASTIC
BLK	BLOCK
B/	BOTTOM OF
BLDG	BUILDING
BU	BUILT-UP
BFV	BUTTERFLY VALVE
BTWN	BETWEEN
BOT	BOTTOM

CIP	CAST IN PLACE
CI	CAST-IRON
CS	CAST-STEEL
CTR	CENTER
CTRD	CENTERED
CL	CENTER LINE
C	CHANNEL
CLR	CLEAR/CLEARANCE
COL	COLUMN
CO	CLEAN-OUT
CONC	CONCRETE
CONT	CONTINUOUS
CB	CONCRETE BEAM
CC	CONCRETE COLUMN
CM	CONCRETE MASONRY
CMU	CONCRETE MASONRY UNIT
COORD	COORDINATE
CONT	CONTINUOUS
CONN	CONNECTION
CONST	CONSTRUCTION
CJ	CONTROL JOINT
CSJ	CONSTRUCTION JOINT
CMP	CORRUGATED METAL PIPE
CF	CUBIC FEET (FOOT)
CY	CUBIC YARD
CV	CHECK VALVE
C & C	CLADDING & COMPONENTS

DAS	DOWEL ANCHOR STUD
DBA	DEFORMED BAR ANCHOR
DEPT	DEPARTMENT
DIA	DIAMETER
DIM	DIMENSION
DIST	DISTANCE
DN	DOWN
DR	DRAIN
DWG	DRAWING
DIAG	DIAGONAL
DET	DETAIL
DHWS	DIGESTER HEATED WATER SUPPLY
DHWR	DIGESTER HEATED WATER RETURN
DS	DIGESTED SLUDGE OUT OF BUILDING
DG	DIGESTER GAS
DIP	DUCTILE IRON PIPE

EA	EACH
EE	EACH END
EF	EACH FACE
ES	EACH SIDE
EW	EACH WAY
ELEC	ELECTRIC/ELECTRICAL
EL, ELEV	ELEVATION, ELEVATOR
ENGR	ENGINEER
EOR	ENGINEER ON RECORD
EQ SP	EQUAL SPACED
ESO	EMERGENCY SLUDGE OVERFLOW
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

FS	FAR SIDE
F.S.	FLOW SWITCH
FT	FEET/FOOT
FDN	FOUNDATION
FIN	FINISH
FIN GR	FINISH GRADE
FF	FINISHED FLOOR
FLR	FLOOR
FD	FLOOR DRAIN
FTG.	FOOTING
FP	FULL PENETRATION WELD
FRP	FIBERGLASS REINFORCED PLASTIC
GA	GAGE/GAUGE
GALV	GALVANIZED
GV	GATE VALVE
GC	GENERAL CONTRACTOR
GEN	GENERAL
GS	GALVANIZED STEEL
GL	GRID LINE

HORIZ	HORIZONTAL
HAS	HEADED ANCHOR STUD
HE	HEAT EXCHANGER
HS	HEATED SLUDGE
HT	HEIGHT
HSB	HIGH STRENGTH BOLT (A-325)
HWL	HIGH WATER LINE
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY

I	MOMENT OF INERTIA
IN	INCH
ID	INSIDE DIAMETER
INT	INTERIOR
INV	INVERT
IF	INSIDE FACE

JT	JOINT
JST	JOIST

K	KIP
KWY	KEYWAY

LDG	LANDING
LGTH	LENGTH
LT WT	LIGHT WEIGHT
LG	LONG
L	ANGLE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL

MID	MIDDLE
MFR	MANUFACTURE/MANUFACTURER
MB	MASONRY BEAM, MACHINE BOLT
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MPH	MILES PER HOUR
MET	METAL
MWFRS	MAIN WIND FORCE RESISTING SYSTEM
M	MOTORIZED

NS	NEAR SIDE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
NG	NATURAL GAS

OC	ON CENTERS
OPNG	OPENING
OF	OUTSIDE FACE
OD	OUTSIDE DIAMETER
OPP H	OPPOSITE HAND

PEN	PENETRATION
PCF	POUNDS PER CUBIC FEET
PAR	PARALLEL
PJF	PREMOLDED BITUMINOUS JOINT FILLER
PL	PLATE
PLY	PLYWOOD
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PC	PRECAST CONCRETE
PREFAB	PREFABRICATED
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
PV	PLUG VALVE
PS	PIPE SUPPORT
PW	PLANT WATER
PRV	PRESSURE & VACUUM RELIEF VALVE
PSWS	PUMP SEAL WATER SUPPLY
PSDR	PUMP SEAL DRAIN
PG	PRESSURE GUAGE

REF	REFERENCE
REINF	REINFORCING
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RW	RETAINING WALL
RD	ROOF DRAIN
RS	RAW SLUDGE
REC	RECYCLED SLUDGE

SCHED	SCHEDULE
SPC	SPACE/SPACES
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SYM	SYMMETRICAL
STRUCT	STRUCTURAL
SPCG	SPACING
SIM	SIMILAR
STIFF	STIFFENER
SN	SUPERNATENT
ST	SLUDGE TRANSFER
SDO	SLUDGE DRAW-OFF
SNO	SUPERNATENT DRAW-OFF
SM	SLUDGE MIXING LINE
SPD	SUMP PUMP DISCHARGE

TOC	TOP OF CONCRETE
TOP	TOP OF PILE
TEMP	TEMPERATURE
TENS	TENSION
THK	THICK
THD	THREAD/THREADED
TB	TIE BEAM
TOL	TOLERANCE
T&B	TOP AND BOTTOM
T/	TOP OF
TDS	TURN DOWN SLAB
TYP	TYPICAL
TS	TUBE STEEL/THICKENED SLAB
TWAS	THICKENED WASTE ACTIVATED SLUDGE
TG	TEMPERATURE GUAGE

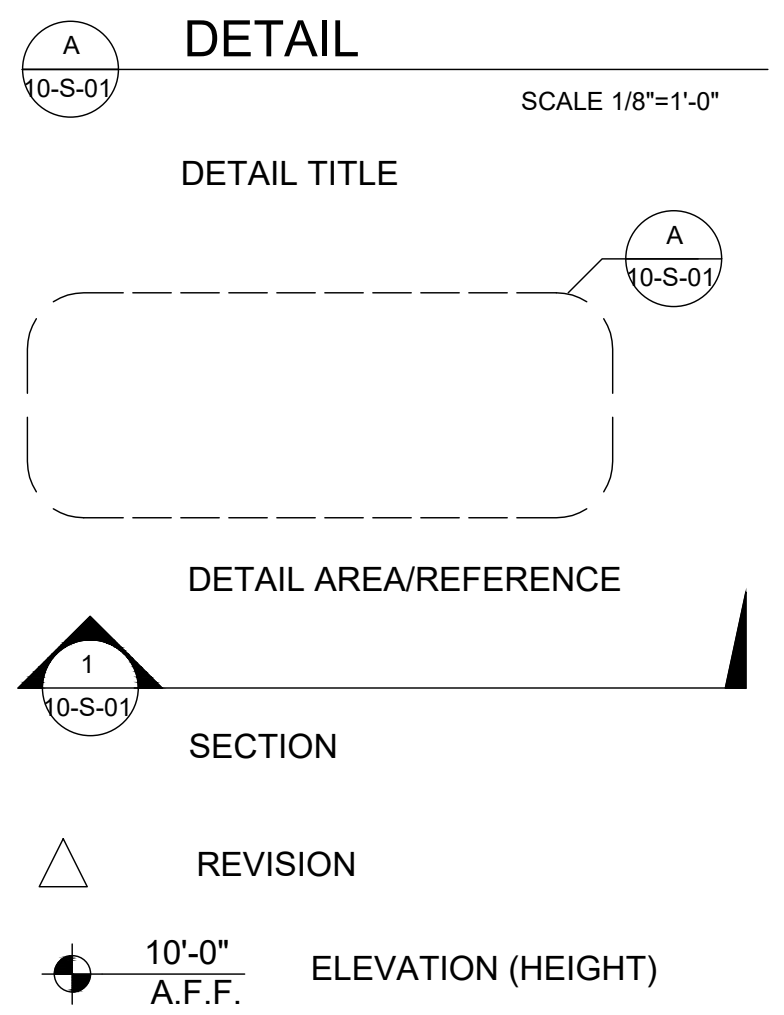
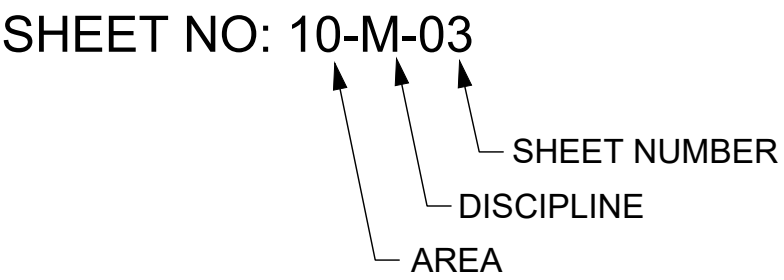
UNO	UNLESS NOTED OTHERWISE (ALSO UON)
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VERT	VERTICAL
VOL	VOLUME
VPG	VACUUM & PRESSURE GUAGE COMBINATION

WF	WALL FOOTING
WP	WATERPROOF
WS	WELDED STUD
WWF	WELDED WIRE FABRIC
WH	WEEP HOLE
WT	WEIGHT, STRUCTURAL TEE SECTION
W	WIDE FLANGE SECTION
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT
WW	WASHWATER LINE
WG	WASTE GAS

@	AT
#	POUNDS
+/-	PLUS OR MINUS
Ⓢ	CENTER LINE
Ⓟ	PROPERTY LINE, PLATE
∅	DIAMETER
&	AND
Sp	SECTION MODULUS
Ip	MOMENT OF INERTIA

DRAWING LEGEND:



MATERIALS LEGEND:

	METAL		PLYWOOD
	EARTH		GYPSUM WALL BOARD OR PLASTER
	CONCRETE		RIGID INSULATION
	CONCRETE MASONRY UNIT		BATT INSULATION
	BRICK		BLOCKING
	CONTINUOUS WOOD		GRAVEL

RECORD DRAWING

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11-09-2022

2309.013

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING			<div><div><div>AECOM</div><div>Delivering a better world</div></div><div>One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)–855–7500</div></div>			AS BUILT INFORMATION		ENGINEER'S SEAL		<div><div><div><div><div></div><div>ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY</div></div></div><div>TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD</div><div>ABBREVIATIONS AND SYMBOLS</div></div></div>		
–	–	–	–	NONE	DESIGNED BY:	SM	DATE:				NOV. 2021	CONTRACTOR	BRADBURY STAMM CONSTRUCTION				
–	–	–	–	ATTENTION	DRAWN BY:	GH	DATE:				NOV. 2021	WORK STAKED BY	BREAKLINE ENGINEERING DATE –				
–	–	–	–	0 1/2" 1"	CHECKED BY:	RWR	DATE:				NOV. 2021	INSPECTOR'S ACCEPTANCE BY	–	DATE –			
–	–	–	–		CROSS CHK'D BY:	–	DATE:				–	INSPECTOR'S NAME	–				
–	–	–	–	GRAPHIC SCALE	APPROVED BY:	–	DATE:				–	FIELD VERIFICATION BY	AECOM	DATE –			
–	–	–	–	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.						DRAWINGS CORRECTED BY		AECOM	DATE –	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy		ZONE MAP NO.

Delivering a better world

One Park Square, 6501 Americas Pkwy NE,
Suite 900 Albuquerque, New Mexico 87110
(505)-855-7500

GENERAL:

G1. SCOPE

THE NOTES ON THIS SHEET AND STRUCTURAL DETAILS ARE TYPICAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON STRUCTURAL SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.

G5. SAFETY

A. SAFETY AND STRUCTURE STABILITY DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LIVE LOADS ONLY AS A COMPLETED STRUCTURE. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.

G6. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO START OF CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS FOUND IN CONTRACT DOCUMENTS AND/OR FIELD CONDITIONS.

G7. CONTRACTOR TO SUBMIT FOR REVIEW ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION FORCES, SUPPORT LOCATIONS, ALONG WITH ANY FLOOR OPENINGS, NOTCHES, AND RECESSES REQUIRED BY SUCH EQUIPMENT. CONCRETE SUPPORT PADS AND/OR FRAMING REQUIRED TO SUPPORT SAID EQUIPMENT SHALL NOT BE FABRICATED AND PLACED UNTIL THE CONCRETE SUPPORT PADS AND/OR FRAMING IS APPROVED TO SUPPORT THE EQUIPMENT.

G8. SHOP DRAWINGS SHALL BE FURNISHED FOR REVIEW BEFORE ANY FABRICATION AND ERECTION. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED.

CONCRETE:

C1. CAST-IN-PLACE CONCRETE

- A. CLASS A CONCRETE, TYPE II CEMENT
B. F'c = 4,500 PSI @ 28 DAYS
C. MAXIMUM WATER CEMENT RATIO = 0.45
D. EXPOSURE CLASS: F2. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER PER ACI 318 TABLE 19.3.1.1

C2. PROVIDE HEAVY BROOM FINISH TO CONCRETE SURFACES. DO NOT FINISH ANY AIR ENTRAINED CONCRETE WITH A STEEL TROWL.

C3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (Fy = 60 KSI)

C4. ALL SPLICES SHALL BE CLASS B, TENSION LAPS UNLESS NOTED ON PLAN. STANDARD HOOK AND REINFORCING LAP SPLICES TABLE ON SHEET G-5.

C5. REINFORCING BARS SHALL HAVE MATCHING CORNER BARS.

C6. BEAM TOP BARS THAT ARE NOTED AS "CONT" MAY BE SPLICED AT MID-SPAN ONLY.

C7. BEAM BOTTOM BARS THAT ARE NOTED AS "CONT" MAY BE SPLICED AT SUPPORTS ONLY.

C8. DOWEL CONCRETE WALLS AND PIERS INTO FOOTINGS AND BASE SLABS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3" OF BOTTOM OF FOOTING, TERMINATED WITH ACI STD. 90 DEGREE HOOK, UNLESS OTHERWISE NOTED.

C9. CONCRETE COVER

SEE STANDARD COVER FOR REINFORCING STEEL DETAILS ON SHEET G-5.

C10. SEE SPECIFICATIONS FOR REINFORCING PLACEMENT REQUIREMENTS.

C11. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH ACI 117-10 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY."

C12. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN CONCRETE INSTITUTE STANDARDS. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318), "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301).

C13. ALL CONCRETE SHALL BE PLACED IN CONFORMANCE WITH ACI 117-10 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY."

C14. FOUR 6"x12" (OR SIX 4"x8") CONCRETE CYLINDERS SHALL BE MADE FOR EACH 50 CUBIC YARDS, OR FRACTION THEREOF, OF EACH CLASS OF CONCRETE PLACED IN ANY DAY. TEST ONE AT 7 DAYS, TEST TWO 6"x12" (OR THREE 4"x8") AT 28 DAYS, AND HOLD ONE (OR TWO 4"x8") FOR VERIFICATION. THE CONCRETE SLUMP, TEMPERATURE, AND AIR CONTENT SHALL BE MEASURED EVERY TIME A SET OF CYLINDERS IS MADE.

C15. REFER TO OTHER DISCIPLINE DRAWINGS PRIOR TO CONSTRUCTION FOR EMBEDDED ITEMS AND PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS, AS REQUIRED TO ACCOMMODATE ALL WORK SHOWN OR SPECIFIED IN THE CONTRACT DOCUMENTS AND OTHERWISE REQUIRED FOR THE FURNISHING OF A FUNCTIONALLY COMPLETE PROJECT. REINFORCE AROUND OPENINGS PER STANDARD STRUCTURAL DETAILS UNLESS OTHERWISE SHOWN.

C16. CONDUITS AND PIPES MAY BE EMBEDDED WITHIN A SLAB, WALL, OR BEAM ONLY IF CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF ACI 318, SECTION 6.3, UNLESS OTHERWISE SHOWN ON PLAN.

C17. CONDUITS AND PIPING EMBEDDED IN CONCRETE SHALL BE SPACED TO ALLOW A MINIMUM OF 4" BETWEEN THE CONDUITS OR PIPING, UNLESS OTHERWISE NOTED.

C18. UNLESS NOTED OTHERWISE PROVIDE 3/4"x3/4" CHAMFERS AT ALL EXPOSED EDGES AND 1/2" CHAMFERS AT JOINTS AS SHOWN. NOT ALL CHAMFERS MAY BE SHOWN ON DRAWINGS.

C19. FIELD ADJUST REINFORCING AT OPENINGS AND EMBEDDED ITEMS AS INDICATED.

C20. ANCHOR BOLTS NOT SPECIFIED BY ENGINEER SHALL BE DESIGNED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, RETAINED BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE PROJECT AND CODE REQUIREMENTS. SUBMIT AS A SHOP DRAWING FOR REVIEW AND APPROVAL BY THE ENGINEER. COORDINATE LOCATION, SIZE AND EMBEDMENT PRIOR TO CASTING CONCRETE.

C21. ABSOLUTELY NO WELDING OF REINFORCING BARS OR TORCHING TO BEND REINFORCING BARS SHALL BE ALLOWED WITHOUT SPECIFIC APPROVAL FROM THE STRUCTURAL ENGINEER.

C22. ALL CAST IN PLACE AND POST-INSTALLED ANCHORS INDICATED IN THE STRUCTURAL DOCUMENTS SHALL COMPLY WITH CHAPTER 17 OF ACI 318 AND CHAPTER 19 OF THE IBC. ALL EXPANSION AND ADHESIVE ANCHORS SHALL HAVE THE ICC REPORT SHOWING EQUIVALENT LOAD CAPACITY. SUBMIT AND INSTALL PER THE ICC EVALUATION REPORT.

C23. POST-INSTALLED DRILL AND EPOXY ANCHORS INTO CONCRETE SHALL BE DEWALT AC200+ OR HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL, WITH MINIMUM 3/4" DIAMETER, A36 ANCHOR WITH MINIMUM OF 6" EMBEDMENT UNLESS OTHERWISE SHOWN.

C24. PRIOR TO INSTALLING POST INSTALLED ANCHORS INTO CONCRETE, THE CONTRACTOR SHALL LOCATE REINFORCING. DO NOT DAMAGE CONCRETE REINFORCING.

PROVIDE A 10 MIL MIN POLYETHYLENE VAPOR BARRIER UNDER ALL INTERIOR SLABS-ON-FILL OR SLABS-ON-GRADE.

C25. SUBMITTALS:

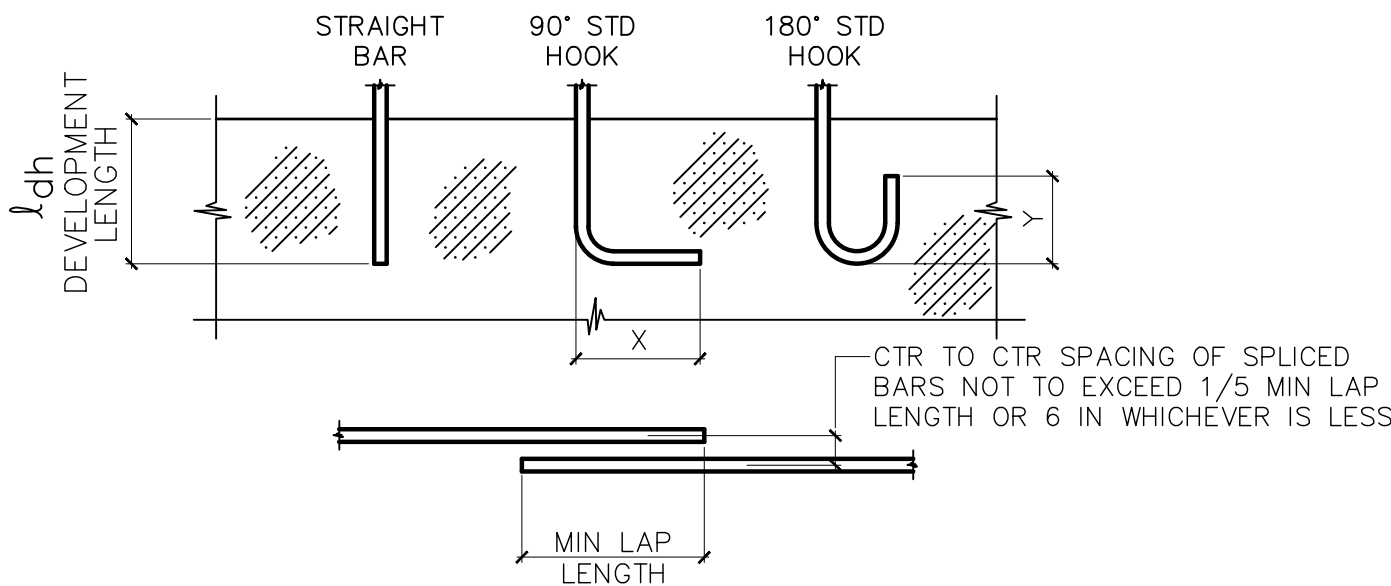
- A. PRODUCT DATA FOR PROPRIETARY MATERIALS AND ITEMS, INCLUDING REINFORCEMENT AND FORMING ACCESSORIES, ADMIXTURES, PATCHING COMPOUNDS, FLY ASH, AND OTHERS AS REQUESTED BY ENGINEER.
B. SHOP DRAWINGS FOR FABRICATION, BENDING, AND PLACEMENT FOR CONCRETE REINFORCEMENT COMPLYING WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL. DUPLICATION OF CONTRACT DRAWINGS IS NOT PERMITTED.
C. LABORATORY TEST REPORTS FOR CONCRETE MATERIALS AND MIX DESIGN TESTS. TEST REPORTS SHALL BE LESS THAN 12 MONTHS OLD.

EXCAVATION AND BACKFILL:

EB1. REFER TO FOUNDATION DETAILS FOR TYPICAL EXCAVATION AND BACKFILL DETAILS.

EB2. LOCATE ANY EXISTING UTILITY LINES AND OR APPURTENANCES AND ADVISE ENGINEER OF ANY CONFLICTS WITH NEW STRUCUTRES PRIOR TO THEIR CONSTRUCTION. DO NOT DESTROY ANY EXISTING UNDERGROUND STRUCTURES WITHOUT WRITTEN AUTHORIZATION.

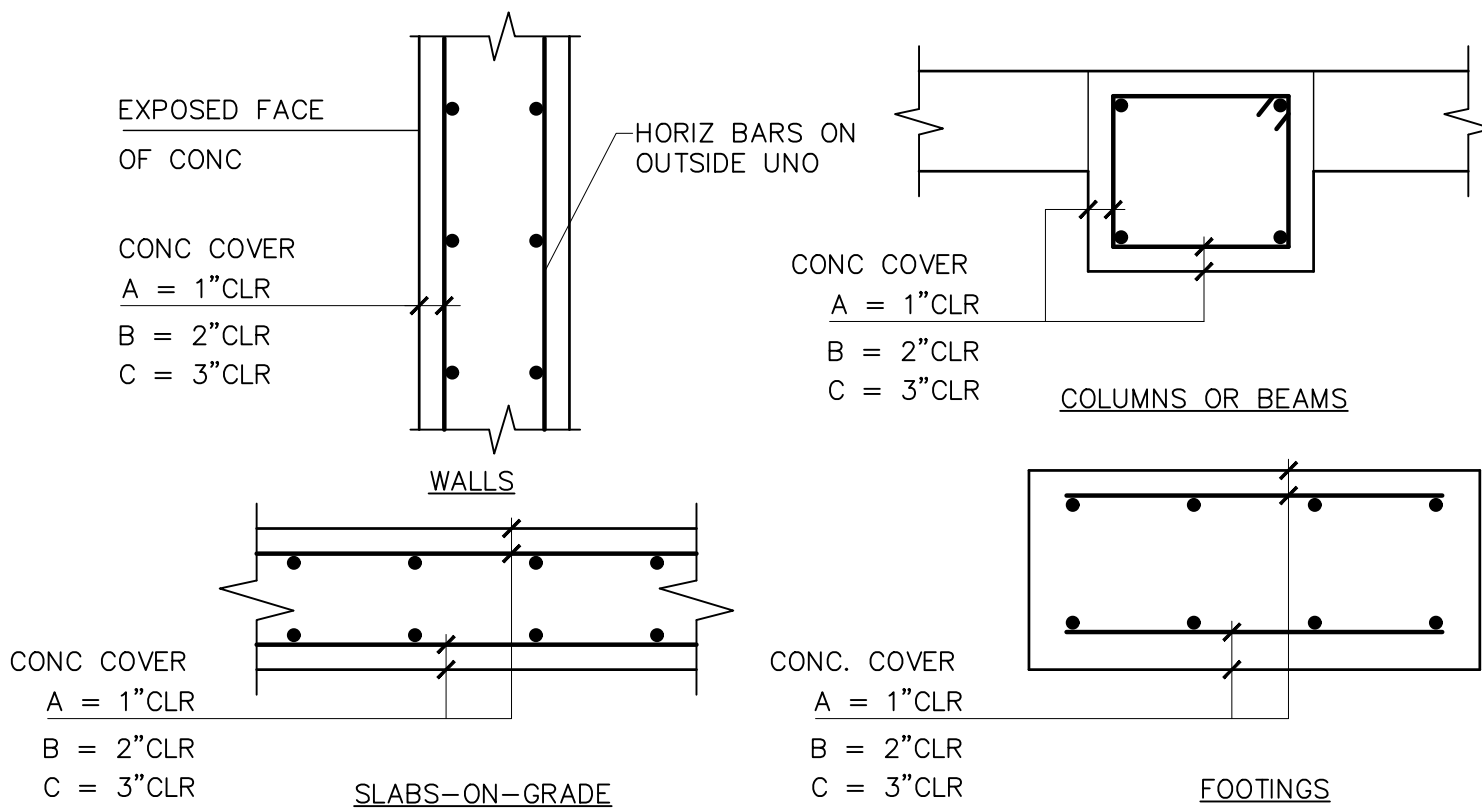
BAR SIZE	DIAMETER (d _b) (INCHES)	DEVELOPMENT LENGTH (l _d) (INCHES)		CLASS A LAP SPLICE (INCHES)		CLASS B LAP SPLICE (INCHES)		90° STD HOOK (INCHES)		180° STD HOOK Y
		TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER	HOOK X	l _{dh}	
		REINFORCING BARS IN TENSION								
#3	0.375	18	14	18	14	24	18	6	7	6
#4	0.5	25	19	25	19	32	25	8	9	6
#5	0.625	31	24	31	24	40	31	10	12	6
#6	0.75	37	28	37	28	48	37	12	14	6
#7	0.875	54	42	54	42	70	54	14	17	7
#8	1.0	62	47	62	47	80	62	15	19	8
#9	1.128	70	54	70	54	90	70	17	21	9
#10	1.27	78	60	78	60	102	78	20	24	10.2
#11	1.41	87	67	87	67	113	87	22	27	11.3
#14	1.693	104	80	104	80	136	104	26	32	13.5
REINFORCING BARS IN COMPRESSION										
#3	0.375	8	12		HOOKED BARS SHALL NOT BE USED IN COMPRESSION					
#4	0.5	9	15							
#5	0.625	12	19							
#6	0.75	14	23							
#7	0.875	17	26							
#8	1.0	19	30							
#9	1.125	21	34							
#10	1.25	24	38							
#11	1.375	27	42							
#14	1.75	32	51							



NOTES:

1. TOP BARS SHALL BE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED SHALL A) NOT BE LESS THAN db, HAVE CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT ld NOT LESS THAN THE CODE MINIMUM OR; B) CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.
WHERE db=DIAMETER OF REINFORCING BAR AND ld=DEVELOPMENT LENGTH.
3. ALL LAP SPLICES SHALL BE CLASS B U.N.O.

STANDARD HOOK AND REINFORCING LAP SPLICES



A = NO EXPOSURE TO GROUND, WEATHER OR WATER AFTER FORM REMOVAL.
B = EXPOSURE TO GROUND, WEATHER OR WATER AFTER FORM REMOVAL.
C = CONCRETE PLACED AGAINST GROUND.

STANDARD COVER FOR REINFORCING STEEL

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING			AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
-	-	-	-	AS INDICATED	DESIGNED BY:	SM	DATE: NOV. 2021	CONTRACTOR	BRADBURY STAMM CONSTRUCTION		ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
-	-	-	-	ATTENTION	DRAWN BY:	GH	DATE: NOV. 2021	WORK STAKED BY	BREAKLINE ENGINEERING		GENERAL NOTES		
-	-	-	-	0 1/2" 1"	CHECKED BY:	RWR	DATE: NOV. 2021	INSPECTOR'S ACCEPTANCE BY	-				
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY:	-	DATE: -	INSPECTOR'S NAME	-				
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY:	-	DATE: -	FIELD VERIFICATION BY	AECOM		WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy		SHEET G-3
-	-	-	-		MAPS/RECORDS INFO.			DRAWINGS CORRECTED BY	AECOM		ZONE MAP NO.		

AECOM Delivering a better world
One Park Square, 6501 Americas Pkwy NE,
Suite 900 Albuquerque, New Mexico 87110
(505)-855-7500

SITE WORK CONSTRUCTION PHASING NOTES:

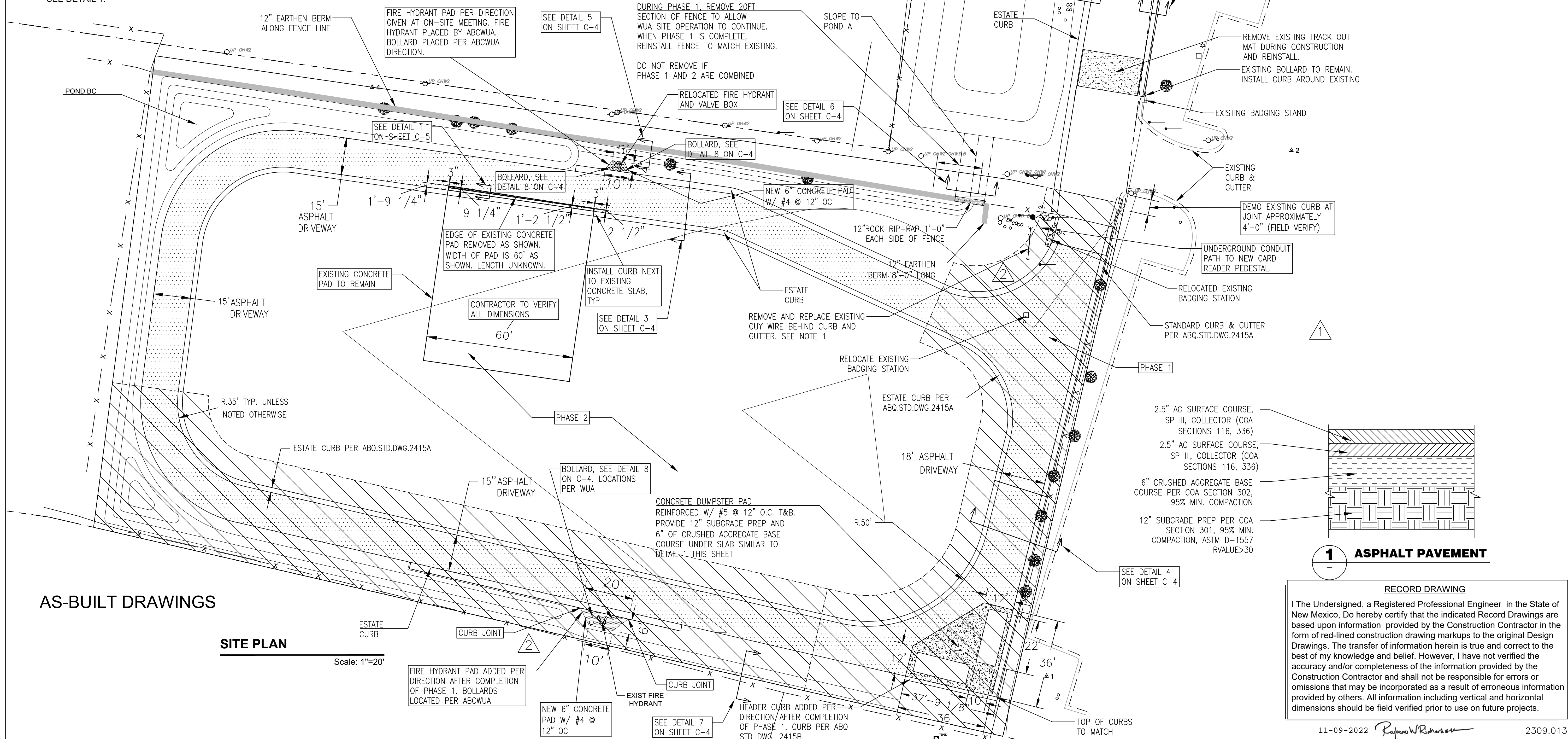
- 1) SITE WILL REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH WUA OPERATIONS STAFF TO MINIMIZE INTERFERENCE WITH SITE OPERATIONS.
- 2) SITE OPERATIONS CAN BE STOPPED FOR UP TO (1) CONTINUOUS WEEK TO ALLOW THE CONTRACTOR UNINTERRUPTED ACCESS TO THE SITE.
- 3) WORK MAY BE CONDUCTED CONTINUOUSLY (24 HOURS / 7 DAYS A WEEK) IN COORDINATION WITH THE WUA SITE OPERATIONS STAFF AND IN COMPLIANCE WITH ALL CITY LAWS AND ORDINANCES.
- 4) IF THE CONTRACTOR CAN COMPLETE ALL SITE GRADING, ASPHALT, AND CONCRETE WORK IN (1) CONTINUOUS WEEK, PHASE 1 AND PHASE 2 CAN BE COMBINED.
- 5) ASPHALT DRIVEWAY SHALL BE 5" THICK OVER 6" AGGREGATE BASE COURSE AS PER COA STD. DWG 2407, SEE DETAIL 1.

PHASE 1

- 1) TEMPORARILY REMOVE SECTION OF FENCE
- 2) IN THE AREA LABEL AS PHASE 1, GRADE SITE AND INSTALL ASPHALT AND CONCRETE CURBS, GUTTERS, AND DUMPSTER PAD.
- 3) REINSTALL SECTION OF FENCE

PHASE 2

- 1) COMPLETE REMAINING BALANCE OF WORK



AS-BUILT DRAWINGS

SITE PLAN

Scale: 1"=20'

NOTE:

1. RELOCATE EXISTING GUY WIRE TO NEW WESTECH RIGGING SUPPLY 1-1/4"x10"x96" HELICAL AUGER ANCHOR (OR APPROVED EQUAL) WITH 7,000LB MIN CAPACITY. INSTALL PER MFR RECOMMENDATIONS. THE ANGLE BETWEEN THE GUY WIRE AND THE TOWER SHALL BE A MINIMUM ANGLE OF 30 DEGREES.PROVIDE YELLOW SLEEVE/TUBING ON BOTTOM 6'-0" OF GUY WIRE

1 ASPHALT PAVEMENT

RECORD DRAWING

I The Undersigned, a Registered Professional Engineer in the State of New Mexico, Do hereby certify that the indicated Record Drawings are based upon information provided by the Construction Contractor in the form of red-lined construction drawing markups to the original Design Drawings. The transfer of information herein is true and correct to the best of my knowledge and belief. However, I have not verified the accuracy and/or completeness of the information provided by the Construction Contractor and shall not be responsible for errors or omissions that may be incorporated as a result of erroneous information provided by others. All information including vertical and horizontal dimensions should be field verified prior to use on future projects.

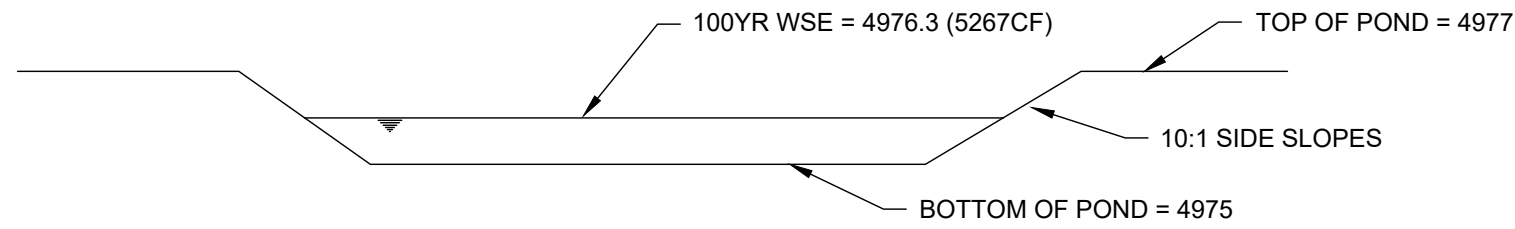
11-09-2022 *Raymond W. Ramirez* 2309.013

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		
	MARCH 2022	RE-ISSUED	SLS	AS INDICATED	DESIGNED BY: SM	DATE: MARCH 2022	<div><div><div>AECOM</div><div>Delivering a better world</div></div><div>One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)-855-7500</div></div>
	APRIL 2022	SWPPP REVISIONS	SLS	ATTENTION	DRAWN BY: SS	DATE: MARCH 2022	
	-	-	-	0 1/2" 1"	CHECKED BY: RWR	DATE: MARCH 2022	
	-	-	-		CROSS CHK'D BY: -	DATE: -	
	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: -	DATE: -	
					MAPS/RECORDS INFO.		-

<div>AECOM</div> <div>One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)–855–7500</div>	<div>Delivering a better world</div>	AS BUILT INFORMATION			
		CONTRACTOR	BRADBURY STAMM CONSTRUCTION		
		WORK STAKED BY	BREAKLINE ENGINEERING	DATE	—
		INSPECTOR'S ACCEPTANCE BY	—	DATE	—
		INSPECTOR'S NAME	—		
		FIELD VERIFICATION BY	AECOM	DATE	—
		DRAWINGS CORRECTED BY	AECOM	DATE	—

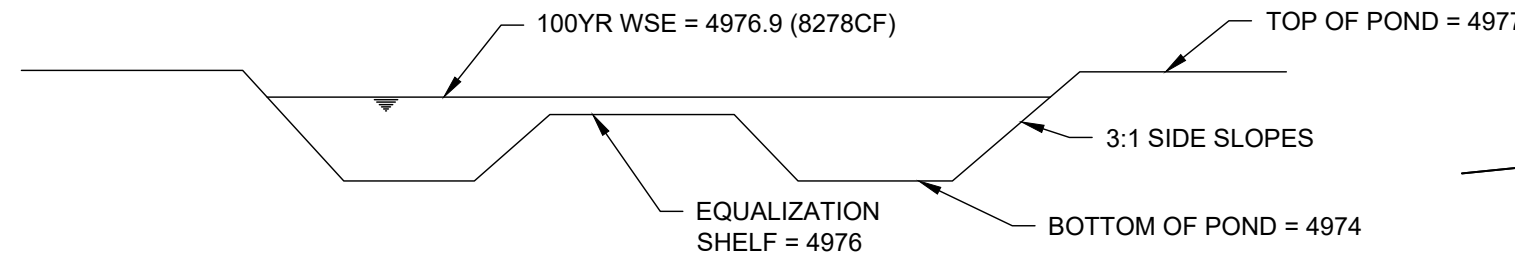
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
PROJECT SITE PLAN		
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy	ZONE MAP NO.	SHEET C-1

AS-BUILT



POND A SECTION VIEW (NORTH-SOUTH AXIS)

Scale: NTS



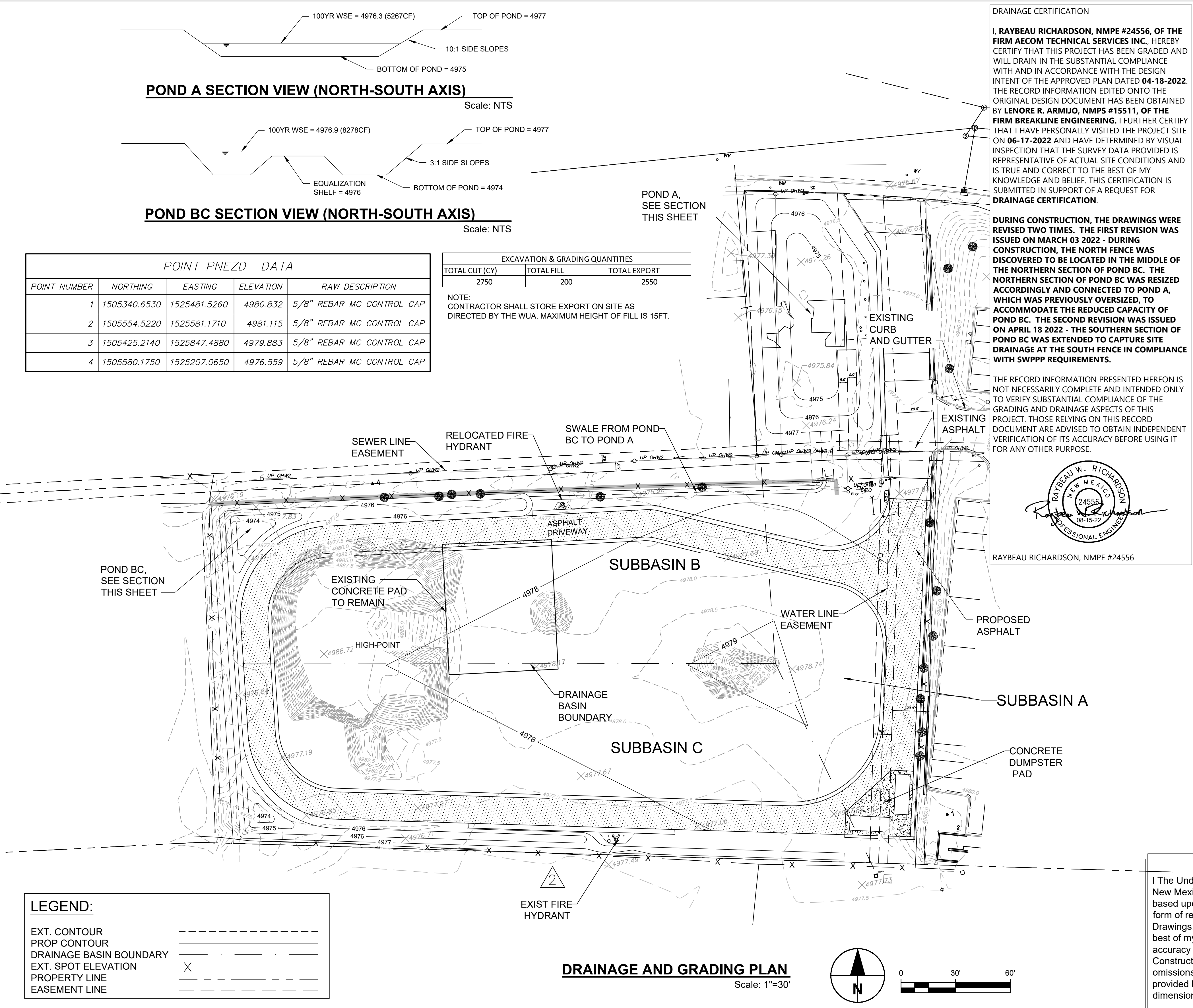
POND BC SECTION VIEW (NORTH-SOUTH AXIS)

Scale: NTS

POINT PNEZD DATA				
POINT NUMBER	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
1	1505340.6530	1525481.5260	4980.832	5/8" REBAR MC CONTROL CAP
2	1505554.5220	1525581.1710	4981.115	5/8" REBAR MC CONTROL CAP
3	1505425.2140	1525847.4880	4979.883	5/8" REBAR MC CONTROL CAP
4	1505580.1750	1525207.0650	4976.559	5/8" REBAR MC CONTROL CAP

EXCAVATION & GRADING QUANTITIES		
TOTAL CUT (CY)	TOTAL FILL	TOTAL EXPORT
2750	200	2550

NOTE:
CONTRACTOR SHALL STORE EXPORT ON SITE AS DIRECTED BY THE WUA, MAXIMUM HEIGHT OF FILL IS 15FT.



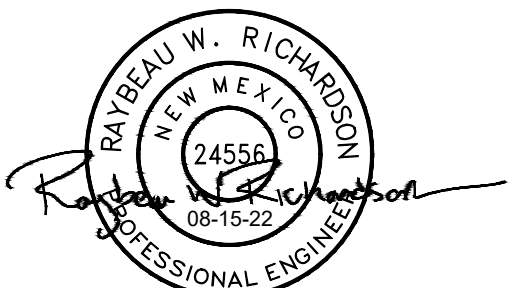
LEGEND:	
EXT. CONTOUR	-----
PROP CONTOUR	_____
DRAINAGE BASIN BOUNDARY	=====
EXT. SPOT ELEVATION	X
PROPERTY LINE	-----
EASEMENT LINE	-----

DRAINAGE CERTIFICATION

I, **RAYBEAU RICHARDSON, NMPE #24556, OF THE FIRM AECOM TECHNICAL SERVICES INC.**, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN THE SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED **04-18-2022**. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY **LENORE R. ARMUJO, NMPS #15511, OF THE FIRM BREAKLINE ENGINEERING**. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON **06-17-2022** AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR **DRAINAGE CERTIFICATION**.

DURING CONSTRUCTION, THE DRAWINGS WERE REVISED TWO TIMES. THE FIRST REVISION WAS ISSUED ON MARCH 03 2022 - DURING CONSTRUCTION, THE NORTH FENCE WAS DISCOVERED TO BE LOCATED IN THE MIDDLE OF THE NORTHERN SECTION OF POND BC. THE NORTHERN SECTION OF POND BC WAS RESIZED ACCORDINGLY AND CONNECTED TO POND A, WHICH WAS PREVIOUSLY OVERSIZED, TO ACCOMMODATE THE REDUCED CAPACITY OF POND BC. THE SECOND REVISION WAS ISSUED ON APRIL 18 2022 - THE SOUTHERN SECTION OF POND BC WAS EXTENDED TO CAPTURE SITE DRAINAGE AT THE SOUTH FENCE IN COMPLIANCE WITH SWPPP REQUIREMENTS.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



RAYBEAU RICHARDSON, NMPE #24556

SITE ADDRESS: 5408 2ND ST NW ALBUQUERQUE NM 87107
LEGAL DESCRIPTION: TR A PLAT OF MONTANO INDUSTRIAL SUBD BEING COMPRISED OF A POR OF LTS 4 THRU 9 FELIX S SANCHEZ ADDN & MRGCD TR 66B1B & 66B2 CONT 3.4600 AC
OWNER: ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
IDO ZONE DISTRICT: MX-M

PROJECT DESCRIPTION: THE PURPOSE OF THIS PROJECT IS TO PAVE AN ACCESS AND PERIMETER DRIVE FOR THE SIFTING YARD. THE SIFTING YARD (SITE) IS ON THE EAST HALF OF THE PROPERTY; THE WEST HALF IS USED BY THE CITY OF ALBUQUERQUE AS AN IMPOUND LOT AND IS NOT AFFECTED BY THIS PROJECT.

EXISTING DRAINAGE PATTERNS:
THE SURROUNDING AREA IS FLAT WITH NO DISCERNABLE OFFSITE FLOWS. THE MONTANO TRANSIT CENTER TO THE EAST IS ELEVATED BUT DRAINS TO INTERNAL PONDS (F15D032). WITHIN THE SITE, THE SIFTING YARD HAS A GENTLE SLOPE TOWARD THE IMPOUND LOT, WHICH THEN DISCHARGES OUT TO 2ND ST. THE DRIVE ACCESS FROM MONTANO DRAINS TO MONTANO.

BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHECK
		SF	ACRES	A	B	C	D	A	B	C	D	ACRES
A-EXT	2	32020	0.74	0%	0%	100%	0%	0	0	0.74	0.00	0.735
B-EXT	2	30576	0.70	0%	0%	100%	0%	0	0	0.70	0.00	0.702
C-EXT	2	33014	0.76	0%	0%	100%	0%	0	0	0.76	0.00	0.758
A-PROP	2	32020	0.74	0%	0%	64%	36%	0	0	0.47	0.26	0.735
B-PROP	2	30576	0.70	0%	0%	81%	19%	0	0	0.57	0.14	0.702
C-PROP	2	33014	0.76	0%	0%	79%	21%	0	0	0.60	0.16	0.758

ZONE 2	WEIGHTED E	V ₃₆₀ / 6HR VOL.		V ₃₄₄₀ / 24HR VOL.		V ₄₄ / 4DAY VOL.		V ₁₀₄ / 10DAY VOL.		Q _p	YIELD	NEW DVLPM/T SWQV= AREA ₀ *0.42/12	
		AC-FT	CF	AC-FT	CF	AC-FT	CF	AC-FT	CF			AC-FT	CF
BASIN NAME	INCHES									CFS	CFS/AC		
A-EXT	1.03	0.063	2748	0.063	2748	0.063	2748	0.063	2748	2.2	3.05	0.000	0
B-EXT	1.03	0.060	2624	0.060	2624	0.060	2624	0.060	2624	2.1	3.05	0.000	0
C-EXT	1.03	0.065	2834	0.065	2834	0.065	2834	0.065	2834	2.3	3.05	0.000	0
A-PROP	1.50	0.092	3993	0.098	4281	0.106	4635	0.121	5267	2.6	3.51	0.009	402
B-PROP	1.28	0.075	3270	0.078	3419	0.083	3602	0.090	3930	2.3	3.30	0.005	208
C-PROP	1.30	0.082	3582	0.086	3755	0.091	3968	0.100	4348	2.5	3.32	0.006	242
SUM EXT:		0.188	8207	0.188	8207	0.188	8207	0.188	8207	6.7		0.000	0
SUM PROP:		0.249	10845	0.263	11454	0.280	12205	0.311	13545	7.4		0.020	852

Pond A		100-yr, 10-day volume, per DPM Sec.6-11(A)(2)1			
Req'd Volume:		5267 CF			
Description	Pond Depth	Elevation	Surface Area	Net Volume	Cumul. Volume
	Ft	Ft	Sq Ft	CF	CF
bottom of pond:	0	4975	2021	0	0
	1	4976	4619	3320	3320
top of pond:	2	4977	7270	5945	9265

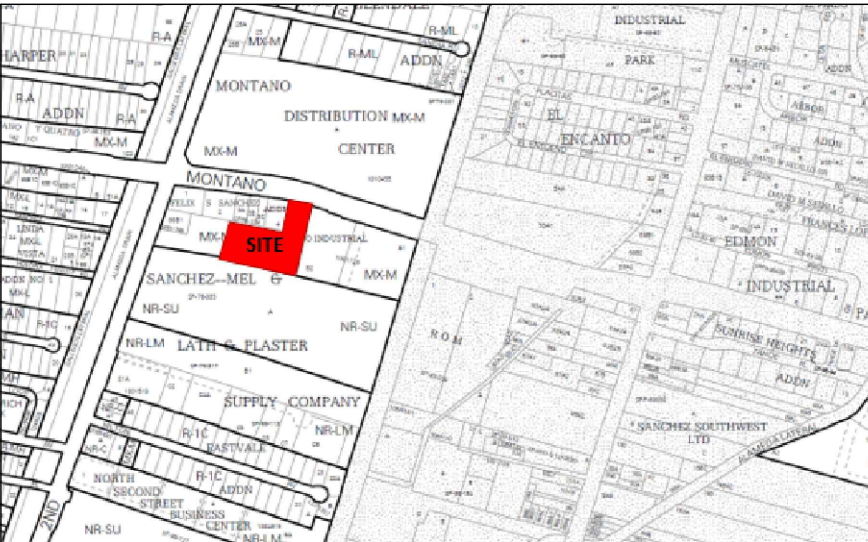
Pond BC		100-yr, 10-day volume, per DPM Sec.6-11(A)(2)1			
Req'd Volume:		8278 CF			
Description	Pond Depth	Elevation	Surface Area	Net Volume	Cumul. Volume
	Ft	Ft	Sq Ft	CF	CF
bottom of pond:	0	4974	409	0	0
	1	4975	1640	1025	1025
	2	4976	3415	2528	3552
top of pond:	3	4977	6637	5026	8578

PROPOSED DRAINAGE PATTERNS:
THE MONTANO DRIVE ACCESS AND EAST PORTION OF THE SIFTING YARD (SUBBASIN A) WILL DRAIN TO POND A, SIZED FOR FULL RETENTION PER THE DPM SEC.6-11(A)(2)1

THE NORTH HALF OF THE SIFTING YARD (SUBBASIN B) WILL DRAIN TO POND BC, SIZED FOR FULL RETENTION PER THE DPM SEC.6-11(A)(2)1.

THE SOUTH HALF OF THE SIFTING YARD (SUBBASIN C) WILL ALSO DRAIN TO POND BC, SIZED FOR FULL RETENTION PER THE DPM SEC.6-11(A)(2)1.

STORM WATER QUALITY: THE SWQV WILL BE CAPTURED AND RETAINED ONSITE IN THE RETENTION PONDS. SIDE SLOPES WILL BE STABILIZED WITH NATIVE GRASS SEED (PER CITY SPEC 1012) WITH AGGREGATE MULCH OR EQUAL (MUST SATISFY THE "FINAL STABILIZATION CRITERIA" CGP 2.2.14.B.)



LOCATION: ABCWUA SOIL SIFTING YARD NEAR THE SE CORNER OF MONTANO AND 2ND ST, ZONE ATLAS PAGE F-15-Z



FLOODPLAIN: THIS PROJECT IS NOT IN A SPECIAL FLOOD HAZARD AREA, PER FEMA FIRM PANEL 35001C0119G, EFFECTIVE DATE 9/26/2008

RECORD DRAWING

I The Undersigned, a Registered Professional Engineer in the State of New Mexico, Do hereby certify that the indicated Record Drawings are based upon information provided by the Construction Contractor in the form of red-lined construction drawing markups to the original Design Drawings. The transfer of information herein is true and correct to the best of my knowledge and belief. However, I have not verified the accuracy and/or completeness of the information provided by the Construction Contractor and shall not be responsible for errors or omissions that may be incorporated as a result of erroneous information provided by others. All information including vertical and horizontal dimensions should be field verified prior to use on future projects.

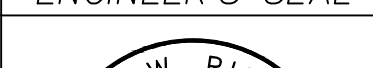

Raybeau W. Richardson 11-09-2022

2309.013

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		
△	MARCH 2022	RE-ISSUED	SLS	AS INDICATED	DESIGNED BY:	SM	DATE: MARCH 2022
△	APRIL 2022	SWPPP REVISIONS	SLS	ATTENTION	DRAWN BY:	SS	DATE: MARCH 2022
-	-	-	-	0 1/2" 1"	CHECKED BY:	RWR	DATE: MARCH 2022
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY:	-	DATE: -
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-	-	-	-		MAPS/RECORDS INFO.		
-	-	-	-		-	-	-

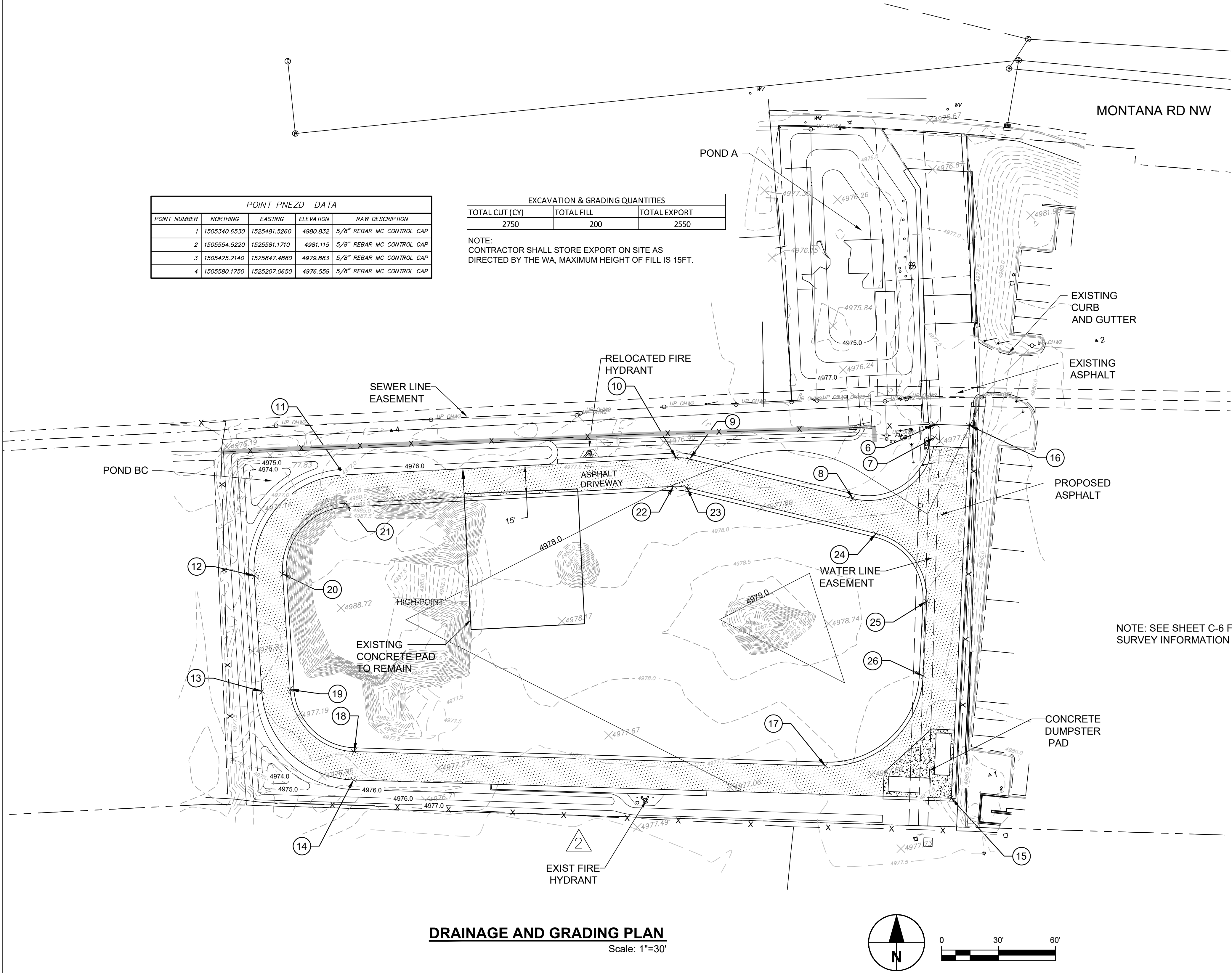
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Suite 900 Albuquerque, New Mexico 87110
(505)-855-7500

AS BUILT INFORMATION			ENGINEER'S SEAL		ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
CONTRACTOR	BRADBURY STAMM CONSTRUCTION				TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
WORK STAKED BY	BREAKLINE ENGINEERING DATE —						
INSPECTOR'S ACCEPTANCE BY	—	DATE —			DRAINAGE AND GRADING PLAN		
INSPECTOR'S NAME	—						
FIELD VERIFICATION BY	AECOM	DATE —					
DRAWINGS CORRECTED BY	AECOM	DATE —			WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy		ZONE MAP NO.

AS-BUILT

SHEET 5 OF 9



LEGEND:	
EXT. CONTOUR	-----
PROP CONTOUR	-----
DRAINAGE BASIN BOUNDARY	-----
EXT. SPOT ELEVATION	X
PROPERTY LINE	-----
EASEMENT LINE	-----

POINT PNEZD DATA				
POINT NUMBER	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
1	1505340.6530	1525481.5260	4980.832	5/8" REBAR MC CONTROL CAP
2	1505554.5220	1525581.1710	4981.115	5/8" REBAR MC CONTROL CAP
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4	1505580.1750	1525207.0650	4976.559	5/8" REBAR MC CONTROL CAP

EXCAVATION & GRADING QUANTITIES		
TOTAL CUT (CY)	TOTAL FILL	TOTAL EXPORT
2750	200	2550

NOTE:
CONTRACTOR SHALL STORE EXPORT ON SITE AS
DIRECTED BY THE WA, MAXIMUM HEIGHT OF FILL IS 15FT.

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
6	1505527.71	1525489.23	4977.76
7	1505521.05	1525487.57	4977.84
8	1505497.75	1525438.91	4978.24
9	1505534.96	1525358.51	4977.78
10	1505537.01	1525351.59	4977.71
11	1505562.15	1525177.92	4977.00
12	1505519.15	1525121.18	4977.00
13	1505458.45	1525113.25	4977.00
14	1505403.23	1525151.63	4977.00
15	1505332.60	1525459.17	4977.06
16	1505523.68	1525506.78	4978.00
17	1505362.19	1525397.28	4977.91
18	1505417.85	1525154.99	4977.17
19	1505456.50	1525128.12	4977.18
20	1505517.20	1525136.05	4977.18
21	1505547.30	1525175.77	4977.18
22	1505522.48	1525347.28	4978.01
23	1505520.43	1525354.20	4978.05
24	1505477.29	1525447.38	4978.39
25	1505437.07	1525466.64	4977.65
26	1505398.81	1525457.11	4977.74

NOTE: SEE SHEET C-6 FOR FULL AS-BUILT
SURVEY INFORMATION

DRAINAGE AND GRADING PLAN
Scale: 1"=30'

RECORD DRAWING

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Raymond W. Roberts 11-09-2022

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-	-	-	-		-	-	-

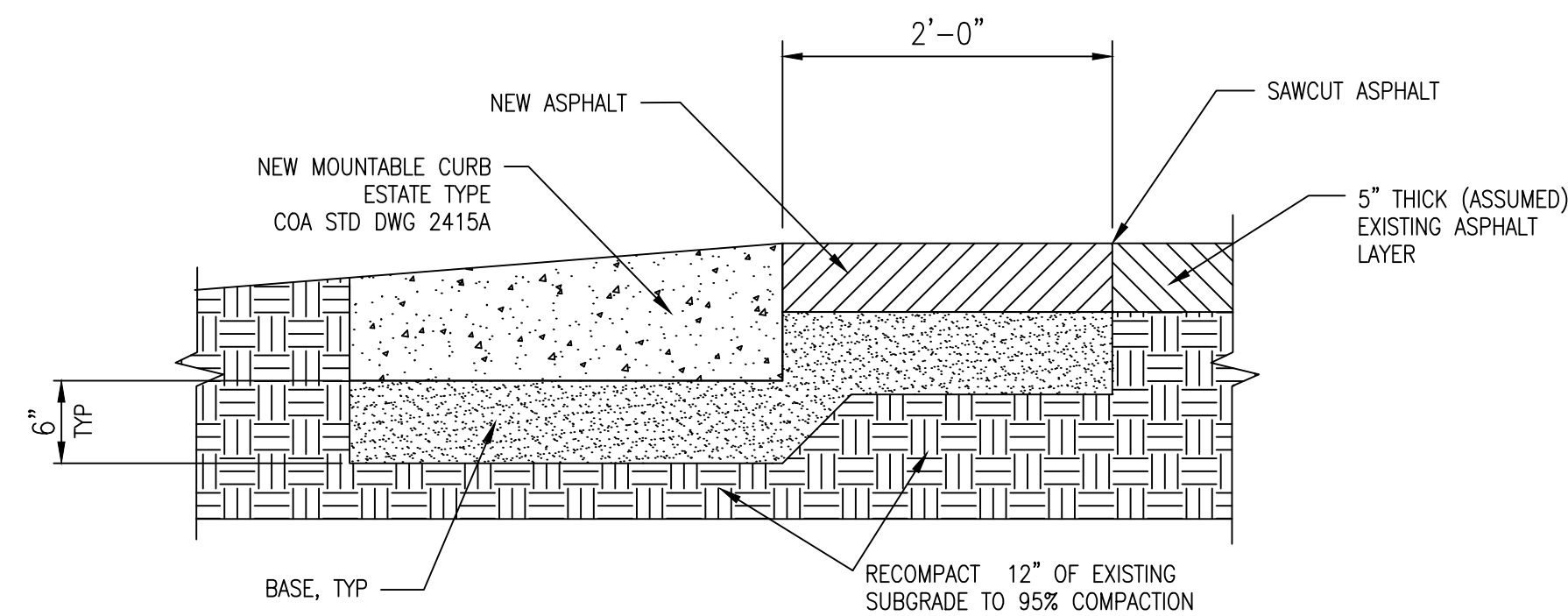
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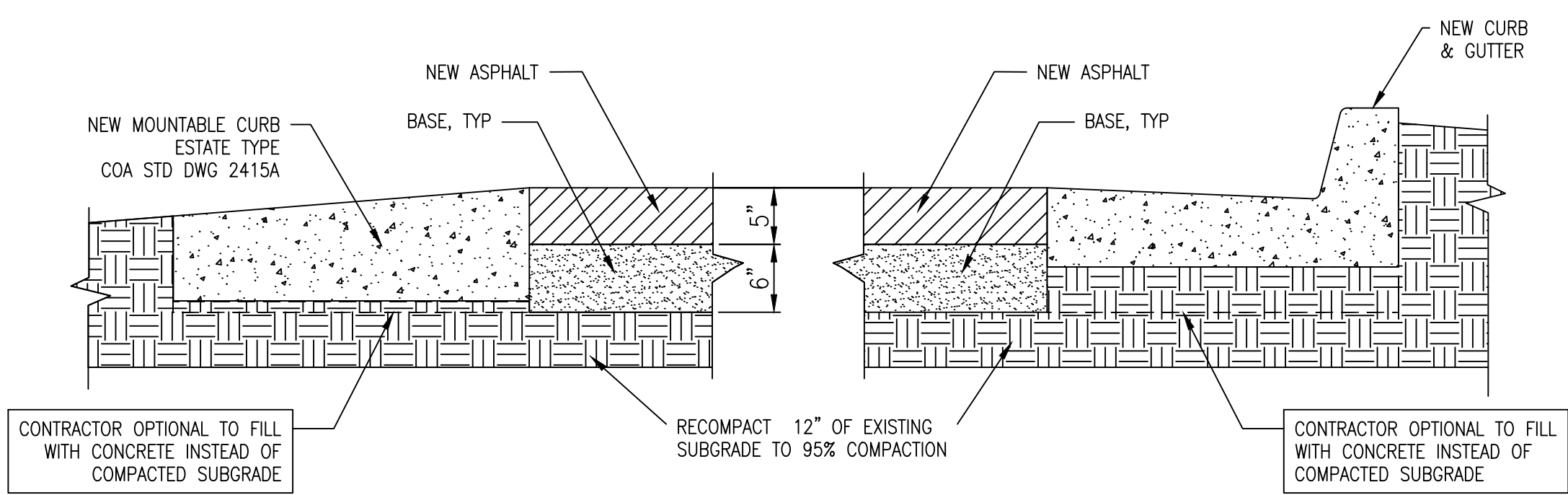
AS BUILT INFORMATION			ENGINEER'S SEAL	
CONTRACTOR	BRADBURY STAMM CONSTRUCTION			
WORK STAKED BY	BREAKLINE ENGINEERING	DATE -		
INSPECTOR'S ACCEPTANCE BY	-	DATE -		
INSPECTOR'S NAME	-	-		
FIELD VERIFICATION BY	AECOM	DATE -		
DRAWINGS CORRECTED BY	AECOM	DATE -		

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
PERIMETER ROAD LAYOUT PLAN		
WATER AUTHORITY CONSTRUCTION PROJECT NO.	2323.047yy	SHEET C-3
ZONE MAP NO.		

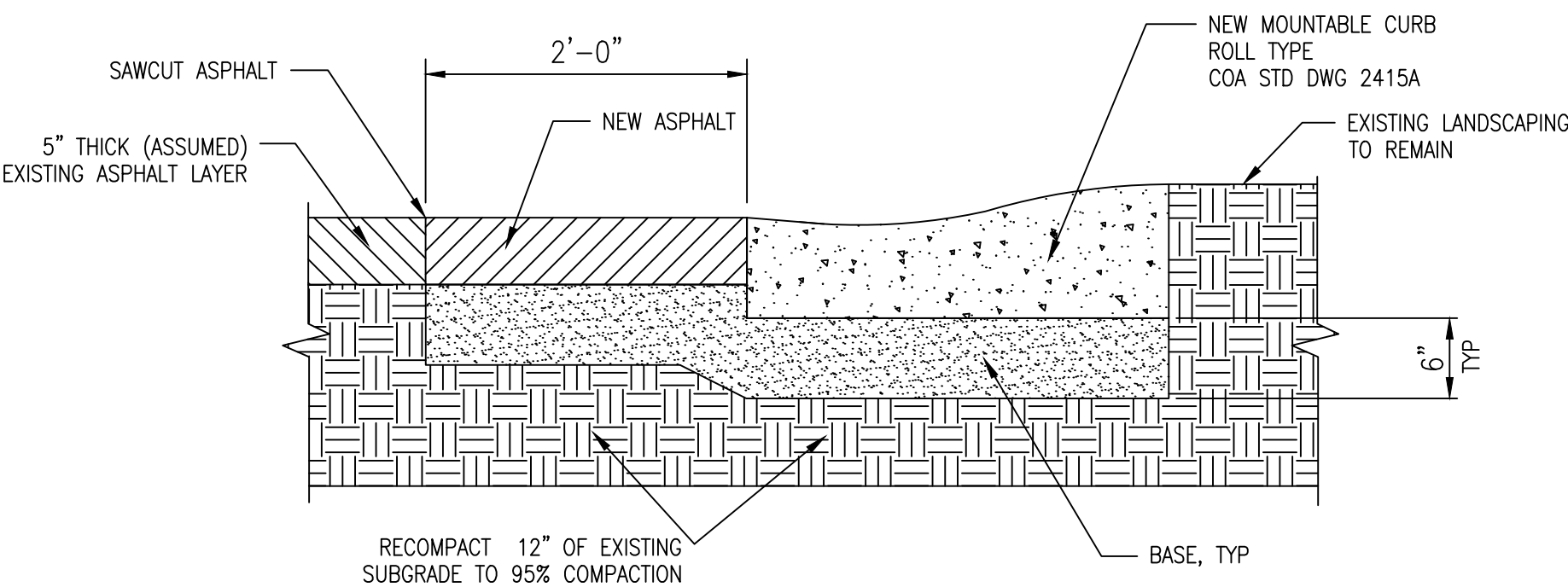
AS-BUILT



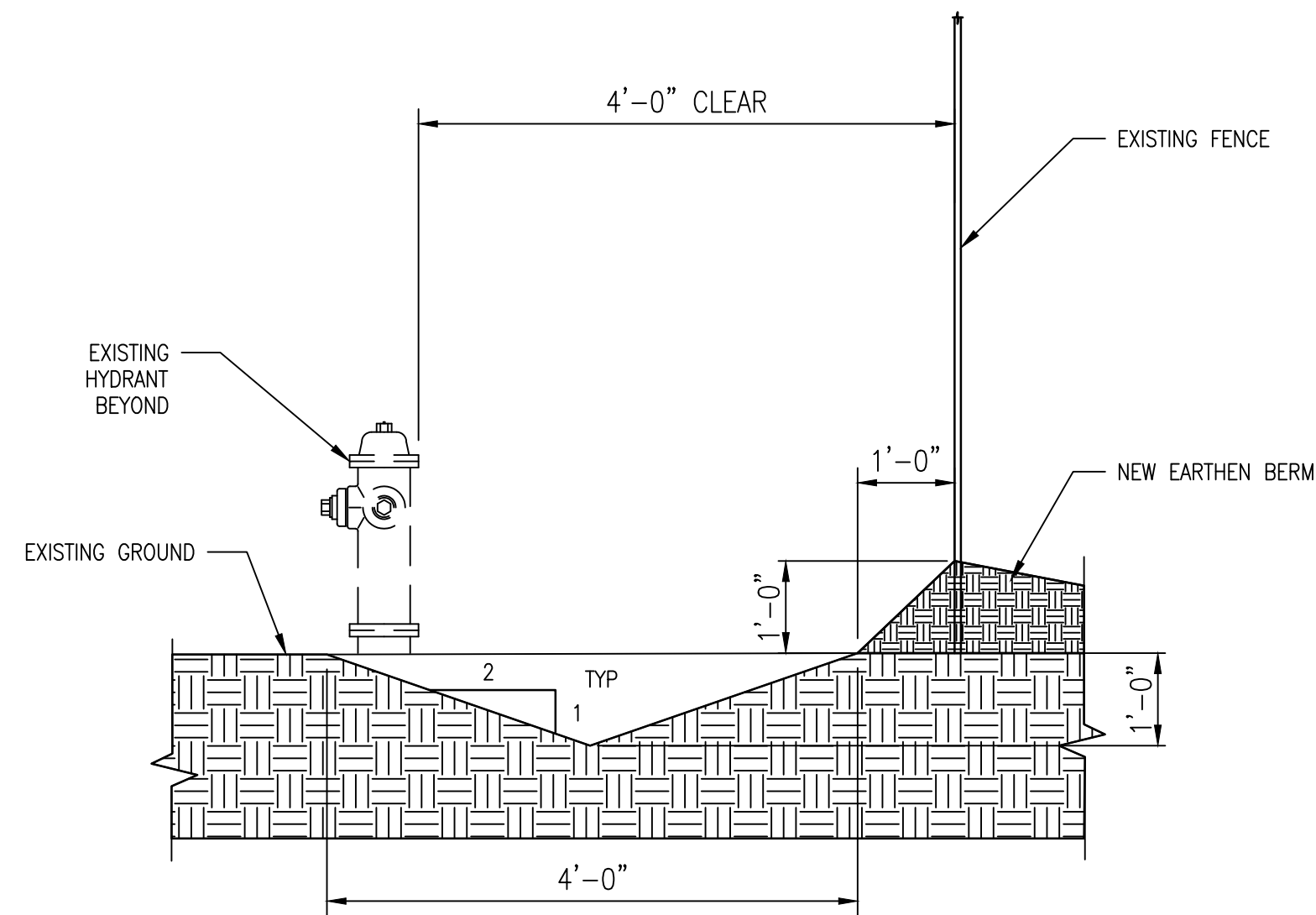
1 ESTATE CURB AT EXISTING ASPHALT



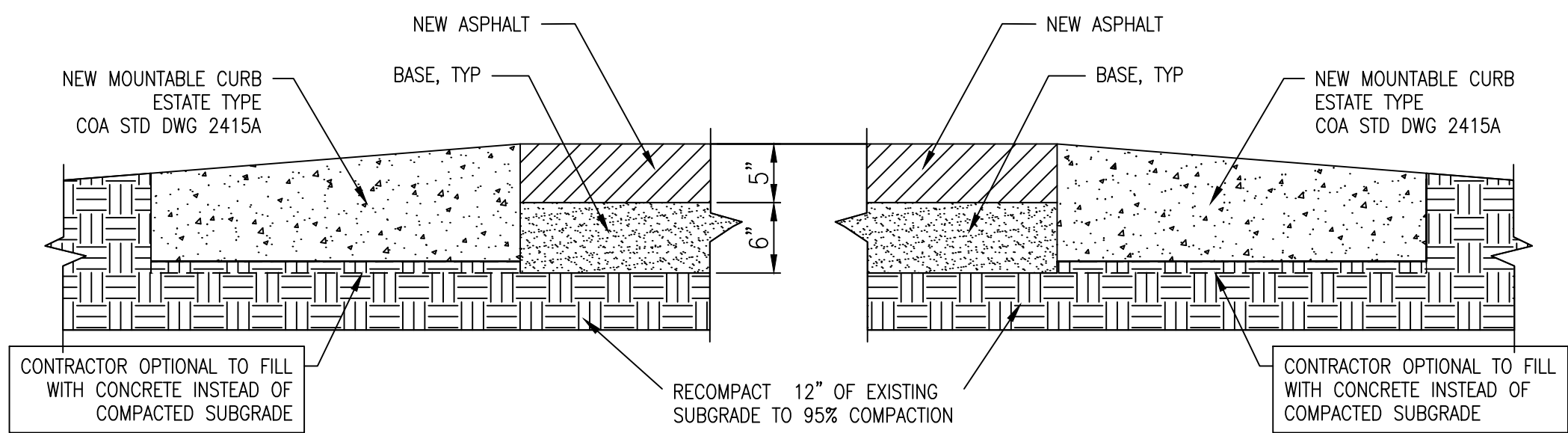
4 ESTATE CURB NEW ASPHALT



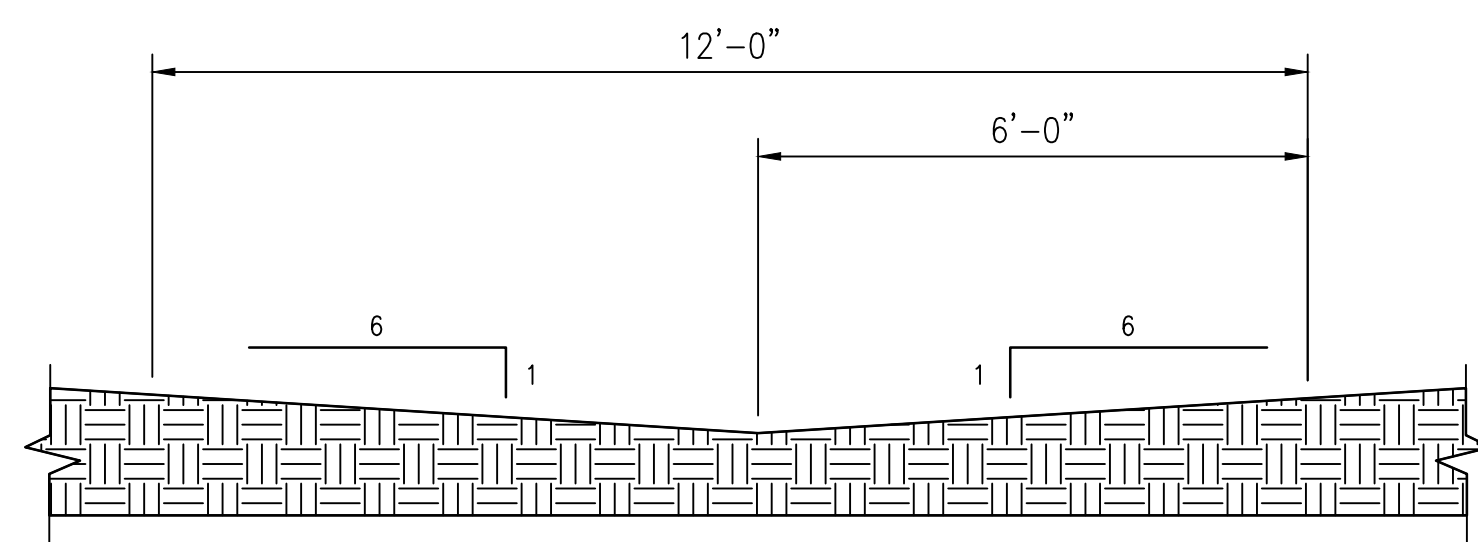
2 ROLL CURB AT EXISTING ASPHALT



5 BERM AT EXISTING FENCE



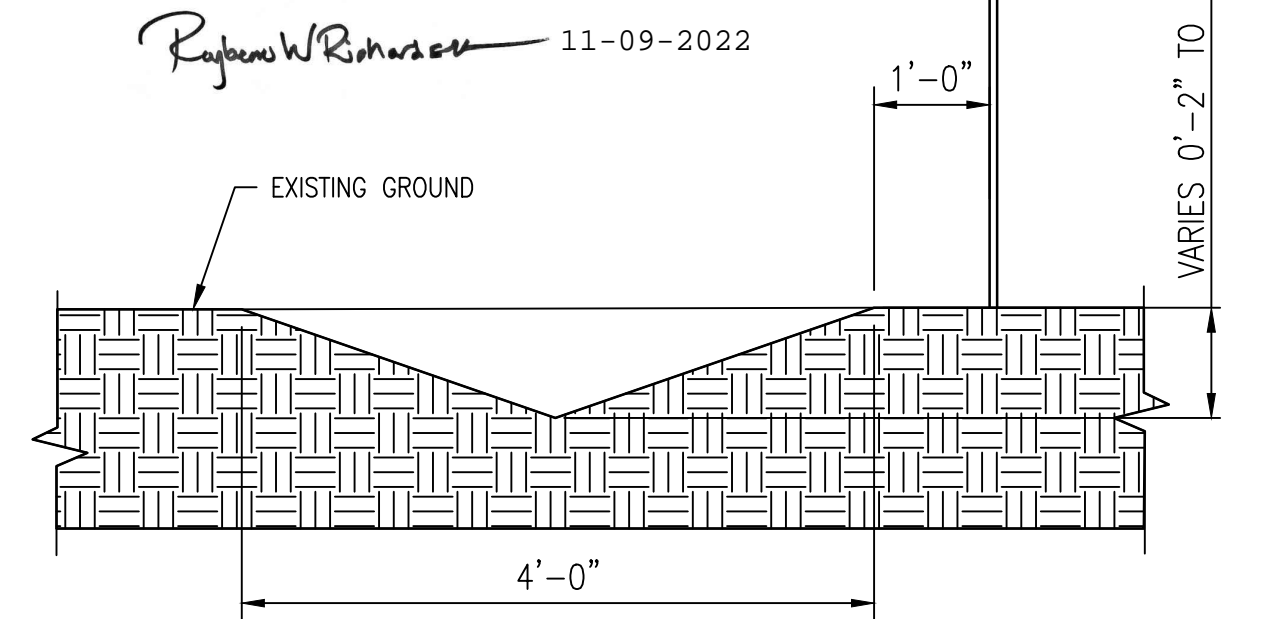
3 ESTATE CURB NEW ASPHALT



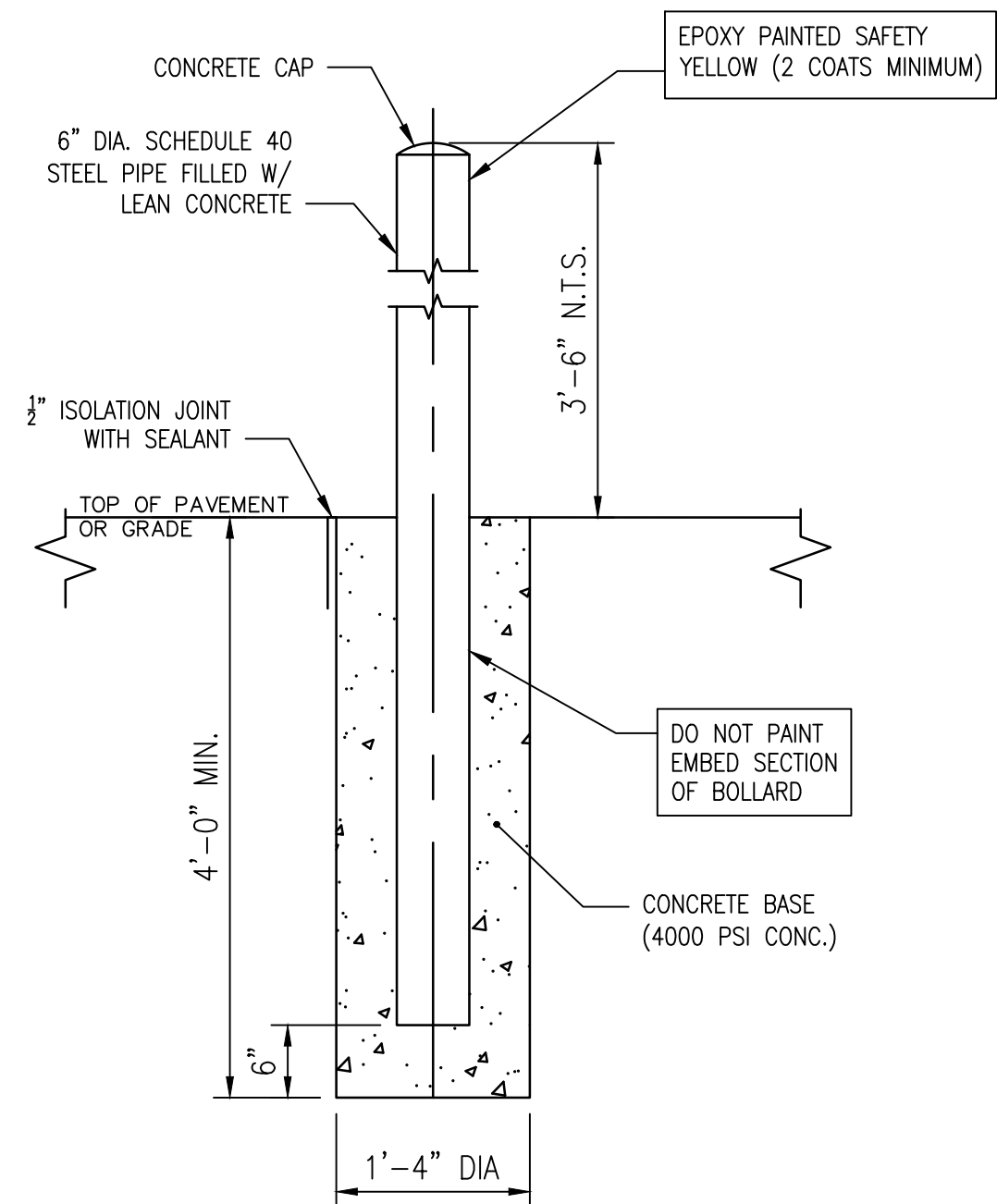
6 SWALE TO POND A DETAIL

RECORD DRAWING

I The Undersigned, a Registered Professional Engineer in the State of New Mexico, Do hereby certify that the indicated Record Drawings are based upon information provided by the Construction Contractor in the form of red-lined construction drawing markups to the original Design Drawings. The transfer of information herein is true and correct to the best of my knowledge and belief. However, I have not verified the accuracy and/or completeness of the information provided by the Construction Contractor and shall not be responsible for errors or omissions that may be incorporated as a result of erroneous information provided by others. All information including vertical and horizontal dimensions should be field verified prior to use on future projects.



7 SWALE AT EXISTING FENCE



8 BOLLARD DETAIL

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
1	APRIL 2022	SWPPP REVISIONS	SLS	AS INDICATED	DESIGNED BY: RR DATE: MARCH 2022
2	—	—	—	ATTENTION	DRAWN BY: SS DATE: MARCH 2022
3	—	—	—	0 1/2" 1"	CHECKED BY: RWR DATE: MARCH 2022
4	—	—	—	GRAPHIC SCALE	CROSS CHK'D BY: — DATE: —
5	—	—	—	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: — DATE: —
6	—	—	—	—	MAPS/RECORDS INFO. — — —

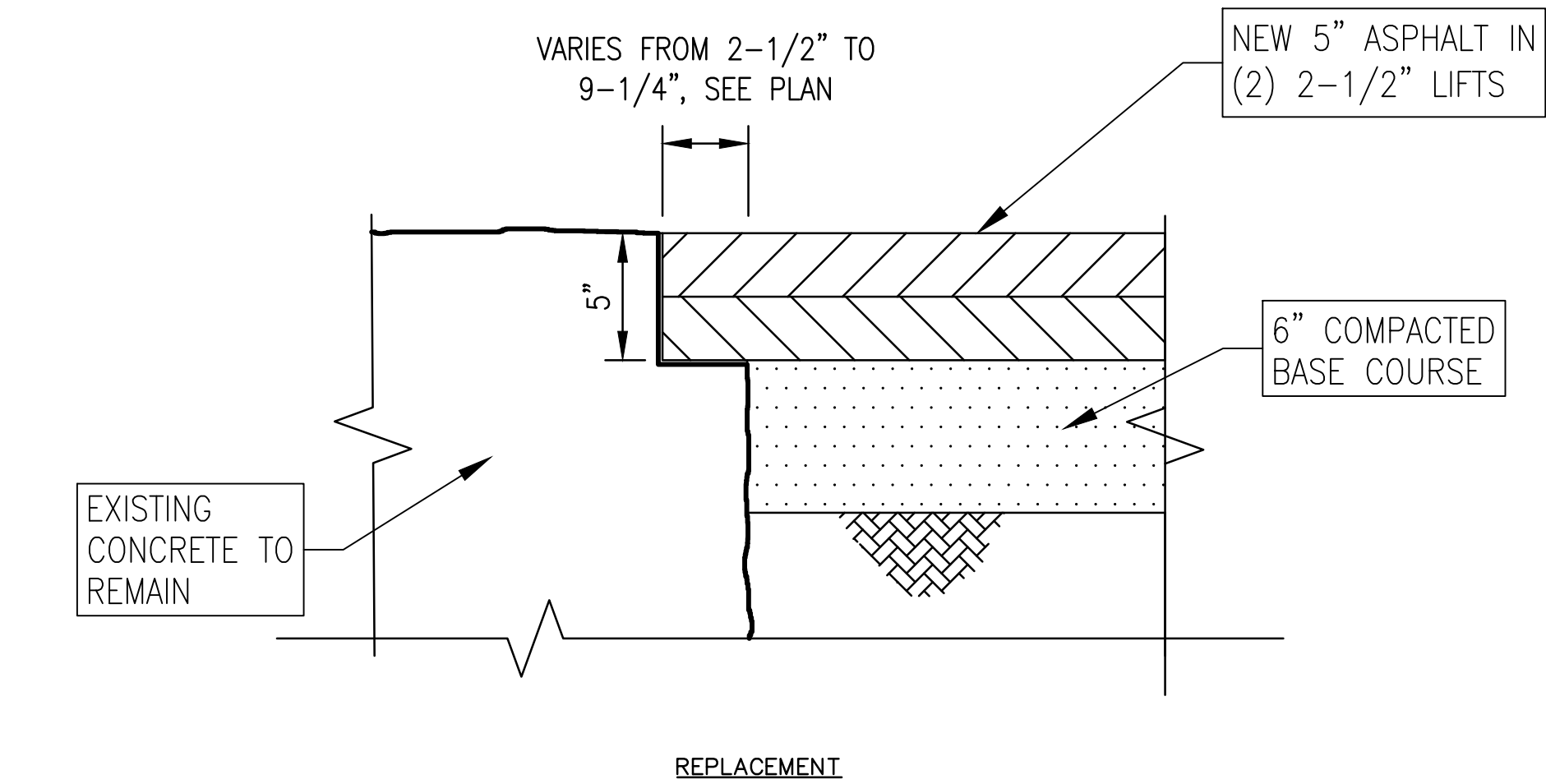
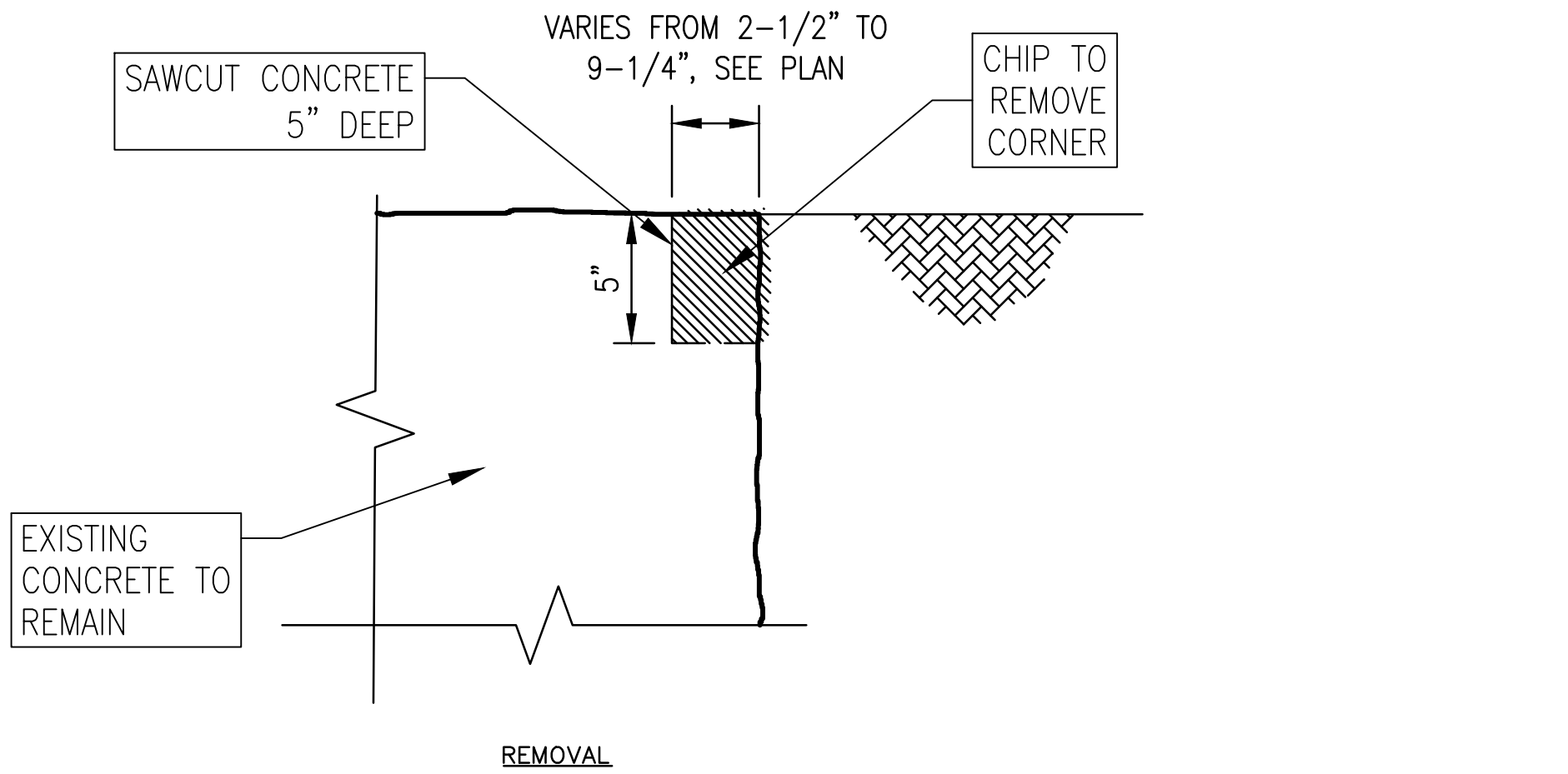
AECOM Delivering a better world

One Park Square, 6501 Americas Pkwy NE,
Suite 900 Albuquerque, New Mexico 87110
(505) 855-7500

AS BUILT INFORMATION	ENGINEER'S SEAL
CONTRACTOR: BRADBURY STAMM CONSTRUCTION	
WORK STAKED BY: BREAKLINE ENGINEERING DATE: —	
INSPECTOR'S ACCEPTANCE BY: — DATE: —	
INSPECTOR'S NAME: —	
FIELD VERIFICATION BY: AECOM DATE: —	
DRAWINGS CORRECTED BY: AECOM DATE: —	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
TYPICAL SECTIONS AND DETAILS		
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy	ZONE MAP NO.	SHEET C-4

AS-BUILT



1 **EDGE OF CONCRETE**

RECORD DRAWING

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Rubens W. Romero 11-09-2022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		
	APRIL 2022	SWPPP REVISIONS	SLS	AS INDICATED	DESIGNED BY: RR	DATE: MARCH 2022	
-	-	-	-	ATTENTION	DRAWN BY: SS	DATE: MARCH 2022	
-	-	-	-	0 1/2" 1"	CHECKED BY: RWR	DATE: MARCH 2022	
-	-	-	-		CROSS CHK'D BY: -	DATE: -	
-	-	-	-	GRAPHIC SCALE	APPROVED BY: -	DATE: -	
-	-	-	-	THIS BAR MEASURES 1"	MAPS/RECORDS INFO.		
-	-	-	-	AT FULL SCALE (ANSI D)	-	-	-

AECOM

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Suite 900 Albuquerque, New Mexico 87110
(505)-855-7500

AS BUILT INFORMATION			ENGINEER'S SEAL
CONTRACTOR	BRADBURY STAMM CONSTRUCTION		
WORK STAKED BY	BREAKLINE ENGINEERING	DATE -	
INSPECTOR'S ACCEPTANCE BY	-	DATE -	
INSPECTOR'S NAME	-		
FIELD VERIFICATION BY	AECOM	DATE -	
DRAWINGS CORRECTED BY	AECOM	DATE -	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD		
TYPICAL SECTIONS AND DETAILS		
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy	ZONE MAP NO.	SHEET C-5

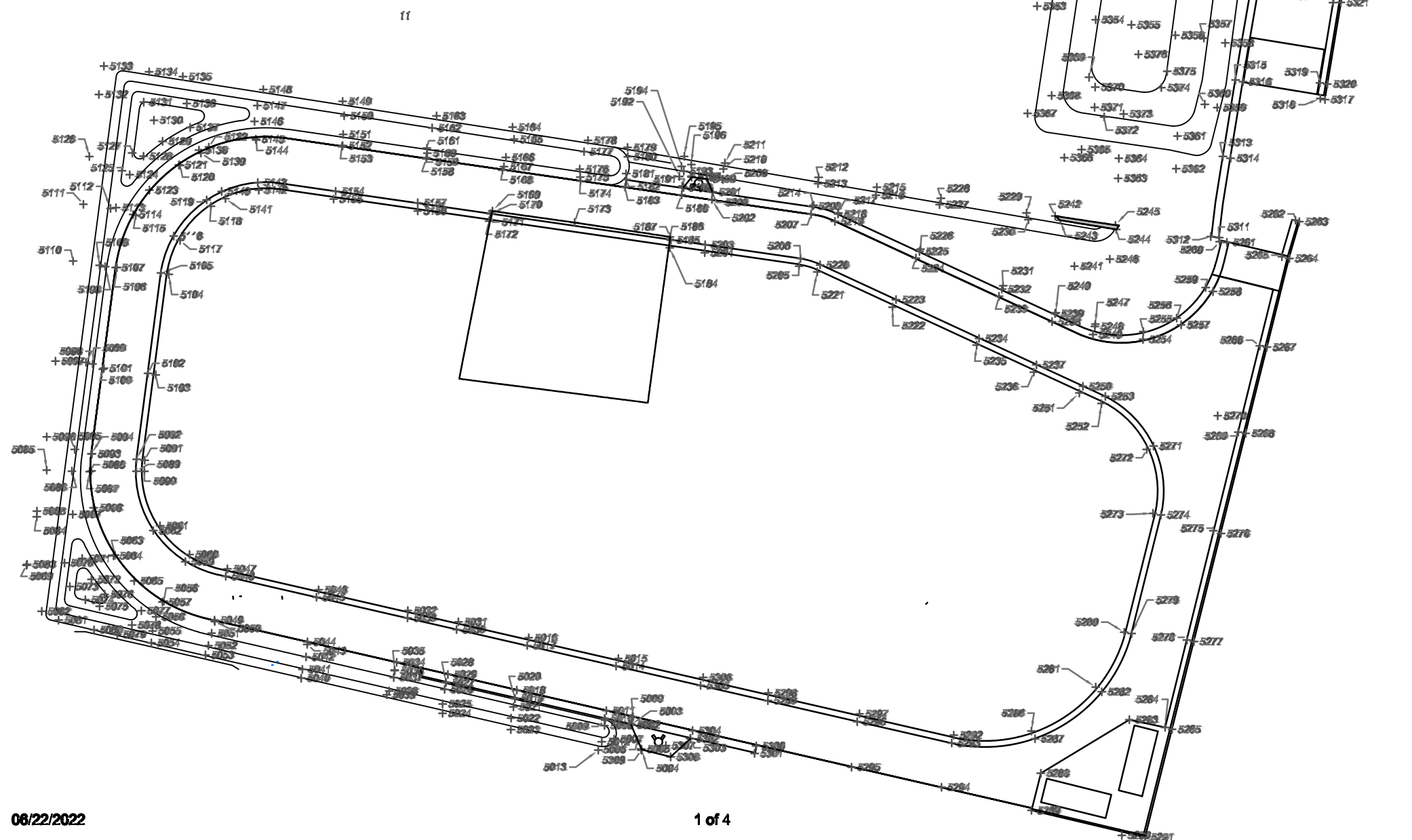
AS-BUILT

RECORD DRAWING

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Rafael W. Rios 11-09-2022

Final As Built



08/22/2022

1 of 4

Final As Built



Bradbury Stamm
RCWUA Fill Soils Yard

Point #	Elevation	Northing	Easting	Description
5128	4977.31	150558.12	1525112.56	top pond
5127	4974.03	1505557.30	1525128.71	bot pond
5128	4974.00	1505568.24	1525130.45	bot pond
5129	4973.90	1505561.17	1525136.72	bot pond
5130	4974.07	1505568.16	1525133.88	bot pond
5131	4974.11	1505574.13	1525130.49	bot pond
5132	4977.51	1505576.87	1525115.72	top pond
5133	4977.29	1505586.07	1525117.35	top pond
5134	4977.18	1505584.17	1525131.28	top pond
5135	4977.34	1505582.59	1525143.44	top pond
5138	4974.19	1505573.89	1525144.75	top pond
5137	4974.18	1505566.77	1525145.88	bot pond
5138	4976.99	1505558.29	1525145.77	top pond
5139	4976.94	1505557.30	1525149.43	asphalt
5140	4977.16	1505544.61	1525156.26	top
5141	4977.04	1505542.25	1525157.52	top
5142	4976.95	1505545.03	1525168.49	top
5143	4977.15	1505547.55	1525168.33	top
5144	4976.80	1505561.61	1525167.73	asphalt
5145	4976.81	1505561.84	1525167.56	top pond
5146	4975.24	1505567.78	1525167.12	bot pond
5147	4975.25	1505572.96	1525168.08	bot pond
5148	4977.47	1505578.29	1525170.03	top pond
5149	4977.58	1505574.42	1525166.25	top pond
5150	4975.82	1505569.80	1525166.80	bot pond
5151	4975.38	1505563.44	1525166.43	bot pond
5152	4976.87	1505559.78	1525166.29	top pond
5153	4977.07	1505558.42	1525166.01	asphalt
5154	4977.31	1505544.87	1525184.00	top
5155	4977.09	1505542.06	1525183.29	top
5156	4977.17	1505538.14	1525221.09	top
5157	4977.37	1505540.82	1525221.09	top
5158	4977.11	1505555.41	1525223.82	asphalt
5159	4977.09	1505555.77	1525223.98	top pond
5160	4977.01	1505557.24	1525224.27	top pond
5161	4976.13	1505558.93	1525224.12	bot pond
5162	4976.10	1505565.81	1525225.30	bot pond
5163	4977.34	1505569.57	1525227.33	top pond
5164	4977.53	1505565.85	1525232.43	top pond
5165	4976.16	1505561.84	1525232.82	bot pond
5166	4976.97	1505555.87	1525235.21	bot pond
5167	4976.98	1505552.80	1525249.80	bot pond

08/22/2022

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Bradbury Stamm
RCWUA Fill Soils Yard

Point #	Elevation	Northing	Easting	Description
5165	4977.12	1505551.63	1525249.13	asphalt
5169	4977.53	1505538.12	1525245.78	conc
5170	4977.55	1505537.27	1525245.08	conc
5171	4977.55	1505537.22	1525245.08	top
5172	4977.56	1505534.83	1525244.69	top
5173	4977.53	1505534.31	1525272.99	conc
5174	4977.20	1505545.04	1525274.96	asphalt
5175	4977.15	1505549.31	1525274.96	top pond
5176	4976.08	1505551.99	1525274.96	bot pond
5177	4976.00	1505557.75	1525276.08	bot pond
5178	4977.25	1505561.48	1525277.38	top pond
5179	4977.42	1505559.14	1525290.43	top pond
5180	4976.21	1505555.10	1525290.54	bot pond
5181	4976.33	1505550.47	1525289.88	bot pond
5182	4977.17	1505548.52	1525280.11	top
5183	4977.30	1505546.01	1525289.80	top
5184	4977.55	1505523.94	1525304.38	top
5185	4977.54	1505528.52	1525304.79	top
5186	4977.56	1505528.72	1525304.43	conc
5187	4977.53	1505529.26	1525304.48	conc
5188	4977.40	1505549.48	1525306.35	top
5189	4977.27	1505545.93	1525308.67	top
5190	4977.27	1505545.96	1525308.98	conc
5191	4977.20	1505546.40	1525308.54	top pond
5192	4976.69	1505549.58	1525307.57	bot pond
5193	4976.58	1505551.28	1525309.08	bot pond
5194	4976.61	1505552.86	1525308.34	bot pond
5195	4977.58	1505556.19	1525309.18	top pond
5196	4977.02	1505555.52	1525311.53	top pond
5197	4977.18	1505549.66	1525311.57	top pond
5198	4977.20	1505549.34	1525311.57	conc
5199	4977.17	1505548.68	1525316.73	conc
5200	4977.38	1505544.42	1525318.63	top
5201	4977.28	1505544.42	1525318.63	top
5202	4977.52	1505541.88	1525318.30	top
5203	4977.60	1505528.95	1525318.10	top
5204	4977.51	1505525.35	1525315.98	top
5205	4977.78	1505519.83	1525347.12	top
5206	4977.28	1505522.40	1525347.85	top
5207	4977.71	1505537.08	1525351.18	top
5208	4977.55	1505539.72	1525351.92	top
5209	4977.12	1505548.50	1525351.98	ground

Point #	Elevation	Northing	Easting	Description
5210	4977.20	1505552.07	1525322.14	ground
5211	4977.90	1505554.03	1525322.89	ground
5212	4977.80	1505548.28	1525353.83	ground
5213	4977.02	1505547.20	1525353.44	ground
5214	4977.45	1505540.02	1525351.83	ground
5215	4977.87	1505548.02	1525372.86	ground
5216	4976.77	1505545.40	1525372.55	ground
5217	4977.56	1505537.52	1525360.12	ground
5218	4977.55	1505537.17	1525360.02	top
5219	4977.76	1505534.69	1525358.99	top
5220	4976.92	1505530.30	1525354.10	top
5221	4977.87	1505519.03	1525353.15	top
5222	4977.84	1505508.37	1525378.09	top
5223	4976.10	1505508.82	1525379.19	top
5224	4977.83	1505522.57	1525385.79	top
5225	4977.72	1505524.76	1525388.99	top
5226	4977.58	1505525.56	1525387.32	ground
5227	4976.85	1505540.24	1525393.61	ground
5228	4977.72	1505542.38	1525394.05	ground
5229	4977.76	1505537.48	1525422.32	ground
5230	4976.84	1505535.24	1525422.83	ground
5231	4977.90	1505513.43	1525414.80	ground
5232	4977.81	1505512.27	1525414.21	top
5233	4976.06	1505509.80	1525413.39	top
5234	4976.17	1505485.98	1525408.89	top
5235	4976.08	1505483.77	1525405.87	top
5236	4977.96	1505484.84	1525424.76	top
5237	4976.18	1505487.22	1525425.80	top
5238	4976.15	1505501.49	1525430.77	top
5239	4977.97	1505504.22	1525431.75	top
5240	4977.83	1505504.48	1525432.00	ground
5241	4977.01	1505516.89	1525438.19	ground
5242	4977.57	1505538.46	1525437.83	top
5243	4976.38	1505535.59	1525433.46	top
5244	4976.15	1505532.04	1525452.02	top
5245	4977.80	1505533.44	1525451.72	top
5246	4976.81	1505522.20	1525449.90	ground
5247	4977.89	1505500.89	1525445.08	ground
5248	4976.01	1505499.84	1525444.95	top
5249	4976.19	1505487.24	1525444.34	top
5250	4976.20	1505480.13	1525440.94	top
5251	4976.10	1505477.94	1525439.81	top

08/22/2022

Final As Built

08/22/2022

Final As Built



Point #	Elevation	Northing	Easting	Description
5042	4975.93	1505396.66	1525184.15	bot pond
5043	4977.44	1505384.82	1525184.52	top pond
5044	4977.47	1505395.62	1525184.60	asphalt
5045	4977.42	1505410.38	1525187.82	top
5046	4977.22	1505412.84	1525188.32	top
5047	4977.08	1505419.78	1525158.18	top
5048	4977.31	1505417.31	1525157.80	top
5049	4977.40	1505402.82	1525153.92	asphalt
5050	4977.42	1505402.34	1525154.00	top pond
5051	4975.92	1505398.48	1525152.84	bot pond
5052	4975.97	1505394.42	1525151.90	bot pond
5053	4976.83	1505391.32	1525150.91	top pond
5054	4976.38	1505395.50	1525132.99	top pond
5055	4975.31	1505399.28	1525133.40	bot pond
5056	4975.31	1505403.91	1525134.29	bot pond
5057	4977.08	1505406.79	1525136.88	top pond
5058	4977.17	1505406.10	1525137.19	asphalt
5059	4977.14	1505402.17	1525144.28	top
5060	4977.25	1505424.25	1525145.83	top
5061	4977.03	1505434.01	1525135.80	top
5062	4977.18	1505432.45	1525133.65	top
5063	4977.08	1505424.31	1525121.00	top
5064	4977.08	1505424.11	1525120.55	top pond
5065	4977.03	1505415.81	1525127.35	top pond
5066	4976.84	1505440.00	1525113.94	top pond
5067	4975.18	1505437.79	1525107.01	bot pond
5068	4977.45	1505438.88	1525095.21	top pond
5069	4977.48	1505420.88	1525091.75	top pond
5070	4974.28	1505421.72	1525104.34	bot pond
5071	4974.18	1505423.18	1525110.17	bot pond
5072	4974.00	1505418.26	1525113.25	bot pond
5073	4974.28	1505413.90	1525106.06	bot pond
5074	4974.16	1505409.57	1525111.20	bot pond
5075	4974.04	1505407.38	1525115.91	bot pond
5076	4973.93	1505411.38	1525117.58	bot pond
5077	4975.31	1505405.94	1525129.73	bot pond
5078	4975.07	1505401.18	1525126.82	bot pond
5079	4976.35	1505398.12	1525121.74	top pond
5080	4976.22	1505399.62	1525114.08	top pond
5081	4976.86	1505402.84	1525102.38	top pond
5082	4977.27	1505406.75	1525096.79	top pond
5083	4977.35	1505401.25	1525091.93	top pond

2 of 4



Point #	Elevation	Northing	Easting	Description
5254	4977.44	1505347.34	1525394.32	asphalt
5255	4977.55	1505354.17	1525364.50	asphalt
5256	4978.04	1505369.20	1525366.36	flp
5257	4977.80	1505371.84	1525367.11	flp
5258	4977.81	1505378.75	1525337.01	flp
5259	4978.10	1505376.23	1525336.81	flp
5300	4977.85	1505361.20	1525332.98	flp
5301	4977.68	1505358.73	1525332.45	flp
5302	4977.70	1505363.80	1525311.24	conc
5303	4977.58	1505363.89	1525311.21	flp
5304	4977.62	1505366.27	1525311.92	flp
5305	4978.06	1505381.22	1525314.63	flp
5306	4977.78	1505381.87	1525315.43	flp
5307	4977.72	1505383.33	1525312.02	water valve
5308	4977.72	1505383.33	1525312.02	water valve
5309	4977.55	1505359.80	1525295.05	conc
5310	4977.55	1505359.80	1525295.05	conc
5311	4977.80	1505329.34	1525498.01	flp
5312	4977.70	1505329.85	1525493.22	flp
5313	4977.53	1505506.16	1525497.24	flp
5314	4977.75	1505505.58	1525498.80	flp
5315	4977.41	150581.47	1525491.48	flp
5316	4977.64	150580.88	1525493.88	flp
5317	4978.06	1505675.01	1525621.00	flp
5318	4977.42	1505674.32	1525610.46	flp
5319	4977.36	150580.51	1525610.32	flp
5320	4977.67	150580.10	1525621.71	flp
5321	4977.34	150607.12	1525626.25	flp
5322	4977.18	150607.05	1525623.65	flp
5323	4977.37	150591.69	1525498.86	flp
5324	4977.17	150611.34	1525498.37	flp
5325	4977.14	150651.35	1525506.78	flp
5326	4978.14	150651.35	1525506.78	flp
5327	4978.82	150661.37	1525501.37	flp
5328	4978.61	150662.48	1525498.94	flp
5329	4978.77	150655.20	1525503.78	flp
5330	4977.13	150655.20	1525531.46	flp
5331	4977.01	150655.66	1525504.53	flp
5332	4978.67	150651.31	1525503.78	top pond
5333	4978.76	150650.47	1525491.69	top pond
5334	4978.43	150665.26	1525482.91	top pond
5335	4978.62	150678.46	1525485.67	top pond
5336	4978.45	150686.25	1525471.85	top pond