RECORD DRAWINGS

LOS DIAMANTES
OFFSITE REGIONAL POND

CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO

CONSTRUCTION PLANS

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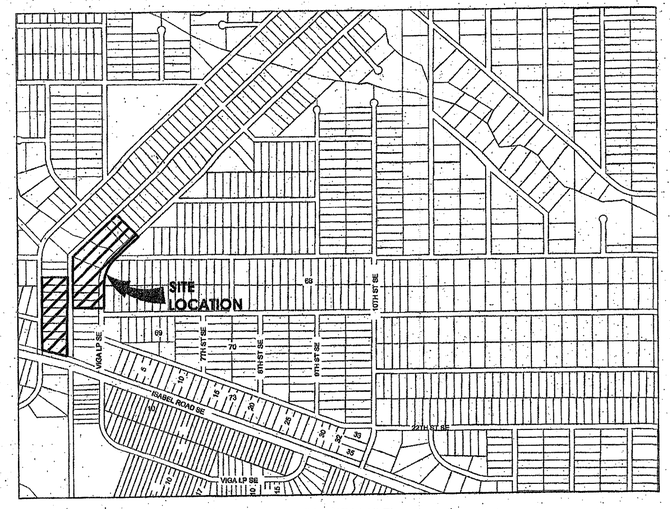

VICINITY MAP

DEVELOPER: _____ DATE: 5-1-22
OWNER/ DEVELOPER

CITY OF RIO RANCHO: _____ DATE: 6/21/2022
DEVELOPMENT SERVICES
ENGINEERING DIVISION

SSCAFCA: David Gatterman _____ DATE: _____
Digitally signed by David Gatterman
DN: cn=David Gatterman, o=SSCAFCA, ou=Field Operations, email=dgatterman@sscafca.com, c=US
Date: 2022.05.01 13:16:17 -06'00'
EXECUTIVE ENGINEER

AMAFCA: _____ DATE: 6/17/2022
DEVELOPMENT REVIEW ENGINEER
APPROVED FOR CONSTRUCTION
WITHIN THE AMAFCA RIGHT-OF-WAY

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/14/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868
1/14/21
DATE

(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

POND RATING TABLE

Elevation (ft)	Storage (ac-ft)	Discharge (cfs)	Comment
5490.00	0.0	0.0	
5490.58	0.0	0.0	First row invert
5491.00	0.1	5.0	
5491.15	0.1	7.3	First row top
5491.73	0.3	12.8	Second row invert
5492.00	0.4	14.7	
5492.31	0.6 0.5	22.7	Second row top
5492.89	1.0 0.9	30.2	Third row invert
5493.00	1.1 1.0	31.3	
5493.46	1.6 1.5	43.1	Third row top
5493.85	2.0 1.9	50.4	Slated top grate lowest EL (top of concrete)
5494.00	2.2 2.1	55.3	
5494.34	2.8 2.6	72.2	
5495.00	4.0 3.8	97.0	Top of Side face slopes for grate
5496.00	6.3 6.0	116.0	
5497.00	9.3 8.8	133.0	
5498.00	13.0 12.4	147.0	
5499.00	17.4 16.5	160.0	
5500.00	22.1 21.0	172.0	
5501.00	27.1 26.0	183.0	
5502.00	32.5 31.2	193.0	
5503.00	38.1 36.7	203.0	
5504.00	44.1 42.6	212.0	
5505.00	50.4 48.8	220.0	
5506.00	57.0 55.4	229.0	
5506.25	59.1 57.0	231.0	Emergency spillway EL
5507.00	64.0 62.2	605.0	
5508.00	71.3 69.6	1558.0	Top of pond

POND DATA

DESIGN STORM: 100-YR, 24-HOUR
INFLOW VOLUME: 145.6 AC-FT 72.1
OUTFLOW VOLUME: 145.3 AC-FT 72.0
OUTFLOW PEAK DISCHARGE: 211.3 CFS 166.6 CFS
DESIGN POND STORAGE VOLUME: 71.3 AC-FT 69.6 AC-FT
PEAK STORED VOLUME: 43.6 AC-FT 14.6 AC-FT
PEAK WATER SURFACE ELEVATION: 5503.90 5498.5'
POND INVERT ELEVATION: 5490.00
EMERGENCY SPILLWAY ELEVATION: 5506.25
TOP OF POND ELEVATION: 5508.00
FREEBOARD TO EMERGENCY SPILLWAY: 2.35 FT 1.75 FT

CAUTION:
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City of Rio Rancho

REVISIONS (OR CHANGE NOTICES)

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-6539

LOS DIAMANTES
OFF SITE REGIONAL POND

COVER SHEET

ENGINEER'S SEAL
CHRISTOPHER R. HITE NEW MEXICO 25459 REGISTERED PROFESSIONAL ENGINEER 12/29/2020

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
1 of 30

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RECORD DRAWINGS

GENERAL NOTES

1. All construction shall be performed in accordance with 1) the project construction plans, 2) the project specifications, 3) the current edition of the City of Rio Rancho standard details, 4) the current edition of the NMDOT Standard Specifications for Highway and Bridge Construction, and 5) the New Mexico Standard Specifications for Public Works Construction and details, as prepared by the New Mexico Chapter, American Public Works Association and addendum. In the case of conflicting specifications, the City of Rio Rancho will determine which specification governs.

2. The Contractor agrees to assume the sole and complete responsibility for the job site conditions during the course of construction of the project, including safety of all persons and property. This requirement shall apply continuously and not be limited to normal working hours, and the Contractor shall defend, indemnify and hold the City and Engineer harmless from any and all liability, real or alleged, in connection with the performance of the work on this project, except for liability arising from the sole negligence of the City or Engineer.

3. No modifications to these plans shall be made without the written consent of the City, Engineer, and all approval signatories. The Engineer shall not be responsible for construction methods or techniques or for the prosecution of the work as shown on these plans. The Engineer shall not be held responsible for the acts or omissions of the Contractor, Subcontractors, or other persons performing any work, as shown in the project Contract Documents.

4. A Right-of-Way Use Permit and Traffic Control Plan (TCP) are required for all work performed within the public Right-of-Way. Provisions contained within Chapter 96 of the City of Rio Rancho Municipal Code shall govern. All construction signing, barricading, and channelization devices shall conform to the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). The Contractor is responsible for the setup and maintenance of all traffic control devices. Any modifications to the approved traffic control plan must by approved by the City prior to any changes being implemented. A Traffic Control Supervisor must be available for the duration of the project 24 hours a day and seven days a week. Access to residents and businesses must be maintained at all times.

5. The Contractor shall designate at least one emergency contact person, and shall provide telephone numbers where this person can be contacted at any time. This information shall be provided to the City's Project Manager.

6. The Contractor is responsible for obtaining all necessary permits from all jurisdictional authorities before the start of construction.

7. All work on this project shall be performed in accordance with applicable federal, state, and local laws, rules and regulations concerning construction safety, health, and environmental protection.

8. Existing site improvements which are damaged or displaced by the Contractor shall be removed and replaced by the Contractor at the Contractor's own expense. The work shall be approved by the City before construction of the repairs. Repairs must be accepted by the City before final payment.

9. The Contractor shall only utilize the designated staging areas for storage of all equipment and materials. The City assumes no responsibility or liability for the Contractor's equipment and material in the staging area. Security shall be the sole responsibility of the Contractor. If no staging area is designated on these plans, an offsite staging area shall be provided by the Contractor at the Contractor's expense, or the Contractor may negotiate with the City to use an onsite area.

10. Unless otherwise noted, all roadway stationing is along the centerline of the roadway right-of-way.

11. Unless otherwise noted, stationing of channels and/or pipes in drainage easements is along the centerline of the channel/pipe.

12. The Contractor shall be responsible for determining, in advance of their construction operations, if overhead utility lines, support structures, poles, guys, etc., are an obstruction to construction operations. If any obstruction is evident, the Contractor shall be responsible for coordinating with the appropriate utility owner to remove or support the utility obstruction. All costs for these requirements are incidental to the Contract.

13. Facilities which are not specifically located with actual vertical and horizontal controls on the construction documents, are shown approximate and in accordance with the best available information provided by various owners of the facilities, and supplemented by visual surface information where appropriate. Accuracy, location, and completeness of this information is the sole responsibility of the Contractor and should be verified, by any means necessary, before the initiation of construction. Should a conflict exist, the Contractor shall notify the City, Engineer, and the City's Project Manager immediately.

14. It is mandatory that a preconstruction meeting be held before commencing construction. The Contractor is responsible for contacting the City's Project Manager to determine the time and location of the preconstruction meeting.

15. At the preconstruction meeting, the Contractor shall submit a detailed construction schedule to the City's Project Manager. The schedule will be updated on a monthly basis and submitted with the monthly invoice.

16. Any work performed without the approval of the City of Rio Rancho and/or all work and materials not in conformance with the specifications is subject to removal and replacement at the Contractor's expense.

17. The Contractor shall contact NM 811 at 1-800-321-2537 for utility spots in accordance with applicable state law.

18. The Contractor shall confine their work to within the construction limits and/or public right-of-way to preserve existing vegetation, landscaping, and private property. Approval of these plans does not give or imply any permission to trespass or work on private property. Permission must be granted in writing by the Owner of that property.

19. It is the sole responsibility of the Contractor to keep the job site free from trash on a daily basis, and all materials will be neatly organized. Trash and/or non-used materials shall not be buried onsite.

20. The Contractor shall park equipment and vehicles so as not to interfere with normal activities of residents, other Contractors, or Emergency Services.

21. The Contractor will provide construction staking utilizing approved construction plans, the appropriate Right-of-Way maps, recorded plats, and City of Rio Rancho standard details. Each revision to the plans shall be recorded in the plan revision block. Plans shall include a location map with legal description(s) and location grid.

22. The Contractor shall maintain an up-to-date and accurate set of Working Record Drawings, redlined drawings, in accordance with the City or Rio Rancho's Development Process Manual (DPM) Chapter II.7. These Working Record Drawings shall reflect all approved changes to the original plans throughout the construction process. At the completion of construction, the Contractor shall submit the Working Record Drawings as outlined in the City or Rio Rancho's DPM Chapter II.7. Also, the Contractor shall ensure that all submittals, permitting, and construction activities are in accordance with the City or Rio Rancho's DPM and applicable ordinances. All costs for these requirements are incidental to the Contract.

23. No work shall be performed in a floodplain without written authorization from the City's Floodplain Manager.

24. Any work performed in a drainage way, channel, arroyo, or floodplain must be protected by the means identified in the Temporary Erosion Control and Sediment plans accepted by the City.

25. Vibration monitoring will be at the Contractor's discretion and incidental to the Contract.

AMAFCA GENERAL NOTES

1. AMAFCA field engineer shall be notified 48 hours prior to any work within the AMAFCA R/W. Telephone (505)884-2215.
2. No work shall be performed in the AMAFCA R/W between May 15 and October 15 without written permission from AMAFCA.
3. All sub-grade, backfill, and embankment shall be compacted to 95% (+/- 2% of optimum moisture per ASTM D-1557) within the AMAFCA R/W. Testing reports shall be provided to AMAFCA field engineer.
4. AMAFCA field engineer shall be notified 48 hours prior to final inspection of any facilities within the AMAFCA R/W.
5. All disturbed ground areas shall be revegetated in accordance with City of Albuquerque standard specifications for public works construction, section 1012 Native Grass Seeding, as currently updated.
6. Any monuments disturbed or destroyed shall be replaced by a NM licensed surveyor at the contractor's expense. AMAFCA shall be notified 48 hours prior to any monument placement.
7. The maximum wheel load allowed in AMAFCA channel is 12,000 pounds.
8. No tracked vehicles are allowed in AMAFCA channels regardless of location without written permission from AMAFCA.
9. Cranes operating in AMAFCA channels with outriggers shall limit the outrigger footprint load area to less than 12,000 pounds.

SOILS

1. Unless otherwise specified subgrade soils and structural fill materials shall be compacted to the following percentages of the ASTM D-1557 maximum density.

MATERIALS	PERCENT (%) COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUB BASE FOR SLAB SUPPORT	95
MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL OR ROAD	95
MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-BUILDING AREAS	90
ROAD SUB GRADE	95
SIDEWALK SUB GRADE	95
CURB AND GUTTER SUBGRADE	95
ARROYOS	90

ROADWAY GENERAL NOTES

1. No paving construction activities shall be started until all underground utilities within the roadway are completed, tested, and approved. All water valve boxes and electrical, telephone, television, and sewer manholes in the construction area shall be adjusted to finished grade.
2. All signs, barricades, channelization devices, pavement markings, sign frames and erection of such devices shall conform to the requirements of the "Manual on Uniform Traffic Control Devices for streets and highways" (MUTCD), current edition.
3. All street striping altered or destroyed during construction shall be replaced by the Contractor to match the original conditions (i.e. type, spacing) at the location prior to construction, or as shown in this plan set.
4. Street grades shall be restored by the Contractor to the existing grades unless otherwise directed by the City of Rio Rancho. Smooth transitions shall be made between existing pavement which remains in place and pavement which is replaced. When abutting new pavement to existing, saw cut back existing pavement to a neat, straight line as required to remove any broken or cracked pavement. Refer to standard drawing PS-02.
5. The location of all valves and manholes must be referenced at all times by the Contractor during construction and made accessible daily upon completion of all paving activities.

EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN

1. The Contractor shall be responsible for fulfilling all necessary National Pollutant Discharge Elimination System (NPDES) requirements including, but not limited to, obtaining an NPDES permit before construction, filling out the Notice of Intent (NOI) application, and filling out the Notice of Termination (NOT) application. The Contractor shall also be responsible for the implementation of and inspection reports for the Storm Water Pollution Prevention Plan (SWPPP). The Contractor shall submit the SWPPP with the proposed construction staging area and temporary sanitary facilities clearly shown. Any check dams, silt fences, or other Best Management Practices (BMP) that are required in the approved SWPPP shall be included in and are incidental to the SWPPP bid amount.
2. The Contractor is required to keep a current copy of the SWPPP at the construction site or at an easily accessible location so that it can be made available at the time of an onsite inspection or upon request by the EPA; a state, tribal, or local agency approving storm water management plans; the operator of a storm sewer system receiving discharges from the site; or representatives of the U.S. Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service (NMFS).
3. The Contractor shall conform to all City, County, State and Federal dust and erosion control regulations. The Contractor shall prepare and obtain any necessary dust or erosion control permits from the regulatory agencies.
4. The Contractor shall either promptly remove any material excavated within the public Right-of-Way or install BMPs according to NPDES requirements to prevent discharge of excavated material within the public Right-of-Way during a rain or wind event. All costs for these requirements are incidental to the Contract.
5. The Contractor shall implement the approved SWPPP and ensure that no soil erodes from the site into public Right-of-Way or onto private property.
6. The Contractor shall mitigate erosion of temporary or permanent dirt swales by installing BMPs identified in the approved SWPPP in the swales perpendicular to the direction of flow, and at intervals as specified in the SWPPP.
7. Construction areas shall be watered for dust control in compliance with government ordinances. The Contractor shall be responsible for locating and supplying water as required. Watering, as required for construction and dust control, shall be considered incidental to construction and no measurement or payment shall be made therefore.
8. Any areas disturbed by construction and not covered by landscaping or an impervious surface shall be re-vegetated with native grass seeding. When construction activities cease and earth disturbing activities will not resume within 14 days, stabilization measures must be initiated. Unless indicated otherwise on these plans or on the landscaping plan, native grass seeding shall be in accordance with Section 1012 of the New Mexico Standard Specifications for Public Works Construction, APWA NM Chapter, current edition.
9. All waste products from the construction site, including items designated for removal, construction waste, construction equipment waste products (oil, gas, tires, etc.) garbage, grubbing, excess cut material, vegetative debris, etc. shall be appropriately disposed of offsite at no additional cost to the City. It shall be the Contractor's responsibility to obtain permits required to haul or dispose of waste products. It shall be the Contractor's responsibility to ensure that the waste disposal site complies with government regulations regarding the environment, endangered species, and archaeological resources.
10. The Contractor shall be responsible for the cleanup and reporting of spills of hazardous materials associated with the construction site. Hazardous materials include gasoline, diesel fuel, motor oil, solvents, chemicals, paints, etc. which may be a threat to the environment. The Contractor shall report the discovery of past or present spills to the New Mexico Environment Department Emergency Response Team at (505) 827-9329.
11. The Contractor shall comply with all applicable regulations concerning surface and underground water. Contact with surface water by construction equipment and personnel shall be minimized. Equipment maintenance and refueling operations shall be performed in an environmentally safe manner in compliance with government regulations.
12. Where storm inlets are susceptible to inflow of silt or debris from construction activities, protection shall be provided on their upstream side utilizing BMPs according to NPDES requirements. All costs for these requirements are incidental to the Contract.
13. Storm Water Pollution Prevention Plans (SWPPP) and accompanying Federal EPA Administrative Procedures shall meet the City of Rio Rancho guidelines and procedures outlined in the current addition of the New Mexico State Highway and Transportation Department Storm Water Management Guidelines for Construction and Industrial Activities Manual.
14. The Contractor shall provide adequate means for cleaning trucks and/or other equipment of mud before entering public streets. It is the Contractor's responsibility to clean streets and take whatever measures are necessary to ensure that all roads are maintained in a clean, mud and dust-free condition at all times.
15. No work may begin in a an arroyo or other drainage way until authorization has been provided by the U.S. Army Corp. of Engineers and the City of Rio Rancho Flood Plain Manager.

FOR REFERENCE ONLY

CAUTION:
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City of Rio Rancho

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LD DEVELOPMENT, LLC

dmg
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CONSULTING ENGINEERS
P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

STANDARD NOTES

ENGINEER'S SEAL
CHRISTOPHER R. HIFTE
NEW MEXICO
29459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
2 of 30

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RECORD DRAWINGS

ABBREVIATIONS

AP	ANALYSIS POINT
@	AT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BK	BOOK
BLDG	BUILDING
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
BW	BASE OF WALL
CATV	CABLE TV LINE
CB	CATCH BASIN
CF	CURB FACE
CG	CURB AND GUTTER
CL	CHAIN LINK
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CONC	CONCRETE
CORR	CITY OF RIO RANCHO
CY	CUBIC YARDS
DUE	DRAINAGE UTILITY EASEMENT
DI	DROP INLET
DIA	DIAMETER
Δ	DELTA
EA	EACH
EC	END CURVE
ECR	END CURB RETURN
ELEV	ELEVATION
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
℄	FLOW LINE
FOC	FACE OF CURB
FP	FINISHED PAD
G	GAS
GM	GAS METER
GV	GATE VALVE
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT
INV EL	INVERT ELEVATION
LF	LINEAR FEET
LP	LIGHT POLE
LT	LEFT
MH	MANHOLE
NG	NATURAL GROUND
OC	ON CENTER
OHE	OVERHEAD ELECTRIC LINE
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PG	PAGE
PGL	PROFILE GRADE LINE PER TYPICAL SECTION
PI	POINT OF INTERSECTION
℄	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
REA	RECIPROCAL EASEMENT AGREEMENT
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SLOPE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
TA	TOP OF ASPHALT
TAC	TOP OF ASPHALT CURB
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TEL	TELEPHONE LINE, RISER OR BOX
TP	TOP OF PIPE
TRANS	TRANSVERSE
TW	TOP OF WALL
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL LINE
UT	UNDERGROUND TELEPHONE LINE
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WATERLINE
WM	WATER METER
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE

LEGEND

- EXISTING GUARDRAIL
- EXISTING CURB AND GUTTER
- EXISTING TOP CURB/FLOWLINE
- EXISTING CONCRETE/SIDEWALK
- EXISTING WALL OR HEAD WALL
- EXISTING CHAIN LINK/WROUGHT/IRON FENCE
- EXISTING TOP WALL/BOTTOM WALL
- EXISTING CONTOUR-MAJOR
- EXISTING CONTOUR-MINOR
- x 00.00 EXISTING SPOT ELEV
- EXISTING SANITARY SEWER MANHOLE
- EXISTING CLEANOUT
- EXISTING STORM DRAIN MANHOLE
- EXISTING CATCH BASIN/DROP INLET
- EXISTING WATER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING IRRIGATION MANHOLE
- EXISTING SPRINKLER CONTROL VALVE
- EXISTING MONITOR WELL
- EXISTING WATER SPIGOT
- EXISTING GAS VALVE
- EXISTING GAS MARKER-UG
- EXISTING GAS METER
- EXISTING ELECTRIC TRANSFORMER
- EXISTING ELECTRIC PEDESTAL
- EXISTING POWER POLE-METAL/CONCRETE BASE
- EXISTING POWER POLE-WOOD
- EXISTING POLE ANCHOR
- EXISTING OVERHEAD ELECTRIC
- EXISTING ELECTRIC PULLBOX
- EXISTING ELECTRIC MANHOLE
- EXISTING TELEPHONE/FIBER OPTIC MANHOLE
- EXISTING TELEPHONE/FIBER OPTIC PEDESTAL
- EXISTING TELEPHONE/FIBER OPTIC MARKER-UG
- EXISTING CABLE TV PEDESTAL
- EXISTING STREET LIGHT
- EXISTING STREET LIGHT PULL BOX
- EXISTING TRAFFIC SIGNAL PULLBOX/CABINET
- EXISTING TRAFFIC SIGNAL
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING TREE
- EXISTING MAILBOX
- EXISTING PAVEMENT

FOR REFERENCE ONLY

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City of Rio Rancho

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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

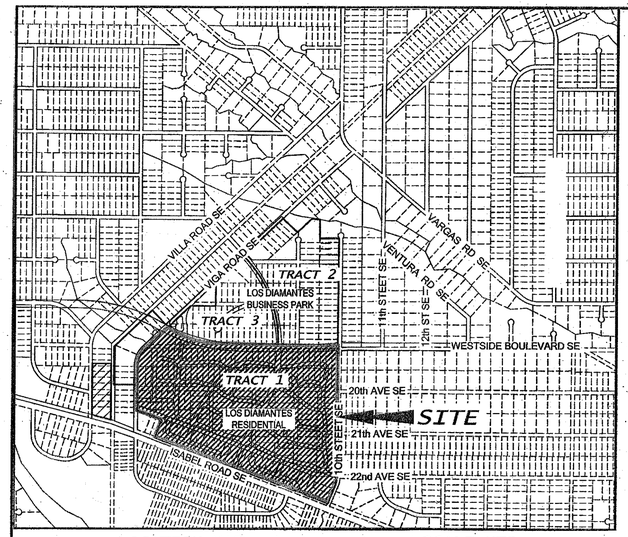
LOS DIAMANTES
OFF SITE REGIONAL POND

LEGEND

ENGINEER'S SEAL
CHRISTOPHER R. HITTLE
NEW MEXICO
29459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
3 of 30



LOCATION MAP SCALE:NTS

SUBDIVISION DATA

GROSS ACREAGE:..... 117.5705 AC.
NO. OF EXISTING LOTS/TRACTS:.....1 TRACT
NO. OF LOTS/TRACTS ELIMINATED: .....0 LOTS / 1 TRACT
NO. OF LOTS/TRACTS CREATED:.....488 LOTS /38 TRACTS
PUBLIC RIGHT OF WAY CREATED:. ..... 29.1185 AC.
DATE OF SURVEY: .....MAY, 2015

FREE CONSENT AND DEDICATION

TRACT 1, LOS DIAMANTES SUBDIVISION LOCATED WITHIN UNIT 10, RIO RANCHO ESTATES, CITY OF RIO RANCHO, SANDOVAL COUNTY, NEW MEXICO, WITHIN THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S). SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY GRANT ALL ACCESS, UTILITY AND DRAINAGE EASEMENTS SHOWN HEREON INCLUDING THE RIGHT TO CONSTRUCT, OPERATE, INSPECT, AND MAINTAIN FACILITIES THEREIN; AND ALL PUBLIC UTILITY EASEMENTS SHOWN HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL, POWER, WATER, SEWER AND COMMUNICATION SERVICES FOR BURIED 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 AND OWNER(S) DO HEREBY CONSENT TO ALL OF THE FOREGOING AND DO HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

LD DEVELOPMENT LLC

PIERRE AMESTOY, MANAGING MEMBER — DATE 10-24-19

ACKNOWLEDGEMENT

STATE OF NEW MEXICO
SS
COUNTY OF BERNALILLO

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON October 24, 2019 BY PIERRE AMESTOY, MANAGING MEMBER FOR LD DEVELOPMENT LLC, A NEW MEXICO LIMITED LIABILITY COMPANY.

MY COMMISSION EXPIRES: 8-19-2023

NOTARY PUBLIC

OFFICIAL SEAL
Kay Brashear
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 8-19-23

LEGAL DESCRIPTION

A TRACT OF LAND WITHIN THE TOWN OF ALAMEDA GRANT, CITY OF RIO RANCHO, SANDOVAL COUNTY, NEW MEXICO BEING ALL OF TRACT 1, LOS DIAMANTES SUBDIVISION, RIO RANCHO ESTATES, UNIT 10, AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT, FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF SANDOVAL COUNTY, NEW MEXICO ON 09/27/2019 IN RIO RANCHO ESTATES PLAT BOOK 3, PAGE 4441, AND CONTAINING 117.5705 ACRES MORE OR LESS.

PURPOSE OF PLAT

1. TO GRANT EASEMENTS AS NECESSARY.
2. TO ELIMINATE EXISTING PROPERTY LINES AS SHOWN HEREON.
3. TO COMBINE LOTS AND VACATED RIGHT-OF-WAY INTO FOUR TRACTS

SUBDIVISION NOTES

1. FIELD SURVEY PERFORMED IN MAY 2015.
2. ALL DISTANCES ARE GROUND DISTANCES: U.S. SURVEY FOOT.
3. ALL BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE).
4. BASIS OF BOUNDARY IS THE FOLLOWING PLAT OF RECORD:

   "NORTHERLY PORTION, SOUTHWESTERLY PORTION, UNIT TEN RIO RANCHO ESTATES"
   (05-13-1968, RRE PLAT BOOK 1, PAGE 74)

5. DEDICATION OF PUBLIC RIGHT-OF-WAY INCLUDES THE USE OF THE ROADWAYS AND RIGHTS-OF-WAY FOR ALL USES TYPICALLY ASSOCIATED WITH THE USE OF A RIGHT-OF-WAY AND PURPOSES APPURTENANT THERETO, INCLUDING, BUT NOT LIMITED TO, THE PASSAGE AND ACCOMMODATION OF VEHICULAR AND PEDESTRIAN TRAFFIC, AND THE CONSTRUCTION, OPERATION, USE, MAINTENANCE, INSPECTION, REPAIR, ALTERATION, AND REPLACEMENT OF A PAVED ROAD WITHIN THE BOUNDARIES OF THE RIGHT-OF-WAY AREA, AND FOR ALL OTHER PURPOSES FOR WHICH A PUBLIC STREET AND RIGHT-OF-WAY IS COMMONLY USED, INCLUDING BUT NOT LIMITED TO INSTALLING, REPAIRING, MAINTAINING, ALTERING, REPLACING, RELOCATING AND OPERATING PUBLIC AND PRIVATE UTILITIES IN, INTO, UPON, OVER, ACROSS, AND UNDER ANY SUCH RIGHT-OF-WAY.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. PUBLIC SERVICE COMPANY OF NEW MEXICO (PNM) FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, AND OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICES.
2. NEW MEXICO GAS COMPANY (NMGCO) FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICES.
3. QWEST COMMUNICATIONS D/B/A CENTURY LINK (QWEST) FOR INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND ENCLOSURES.
4. CABLE ONE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICES.
5. CITY OF RIO RANCHO UTILITIES (WATER AND SANITARY SEWER) FOR INSTALLATION, MAINTENANCE AND SERVICES OF LINES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE SERVICES.

INCLUDED, IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID RIGHT-OF-WAY AND EASEMENT, WITH THE RIGHT AND PRIVILEGE OF GOING UPON, 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 GRANTEE, AND TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON.

EASEMENTS FOR ELECTRIC TRANSFORMERS/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, PNM, NMGCO, QWEST AND CABLE ONE DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES SHOWN HEREON. CONSEQUENTLY, PNM, NMGCO, QWEST AND CABLE ONE DO NOT WAIVE OR RELEASE ANY EASEMENT OR EASEMENT RIGHTS WHICH MAY HAVE BEEN GRANTED BY PRIOR PLAT, REPLAT OR OTHER DOCUMENT AND WHICH ARE NOT SHOWN ON THIS PLAT.

COUNTY CLERKS RECORDING INFORMATION

This instrument was filed for record on the _____th day of _____, 2019 in Bernalillo, Sandoval County, New Mexico, and was recorded in Volume_____, Folio_____, records of said County.

(Rio Rancho Estates Plat Book _____, Page _____)

Eileen Garbagni, County Clerk and Recorder

By: _____
Deputy

CITY CLERKS CERTIFICATE

I, Stephen Ruger, City Clerk of the City of Rio Rancho, New Mexico do hereby certify that the plat shown hereon was approved administratively by the Rio Rancho Development Services Department Director on the _____ day of _____, 2019.

Stephen Ruger, City Clerk, City of Rio Rancho — Date

TREASURER'S CERTIFICATE

I, Laura M. Montoya, Treasurer of Sandoval County, New Mexico do hereby certify that the previous ten (10) years property taxes have been paid in full.

Laura M. Montoya, Sandoval County Treasurer — Date

DSD CASE NO. _____

RIO RANCHO PLANNING AND ZONING BOARD

Approved on the _____ day of _____ 2019.

Paul Wymer, Chairman — Date

PRELIMINARY PLAT
OF
TRACT 1
LOS DIAMANTES SUBDIVISION
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 33 & 34
TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO
OCTOBER 2019

UTILITY APPROVALS:

City of Rio Rancho — Date

New Mexico Gas Company — Date

Qwest Corporation d/b/a CenturyLink QC — Date

Public Service Company of New Mexico — Date

Cable One — Date

MAYOR CITY OF RIO RANCHO

Greggory D. Hull, Mayor — Date

JURISDICTIONAL AFFIDAVIT

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby affirm that the property described hereon does lie within the platting and extra-territorial jurisdiction of the City of Rio Rancho, New Mexico.

Timothy Aldrich, P.S. No. 7719 — Date

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the Minimum Standards for Land Surveying in the State of New Mexico and the City of Rio Rancho Subdivision Ordinance and is true and correct to the best of my knowledge and belief."

Timothy Aldrich, P.S. No. 7719 — Date

FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

Designed: DMG	Drawn: BMN	Checked: ALS	Sheet 1 of 11
Scale: as shown	Date: 10/24/19	Job: A18026	

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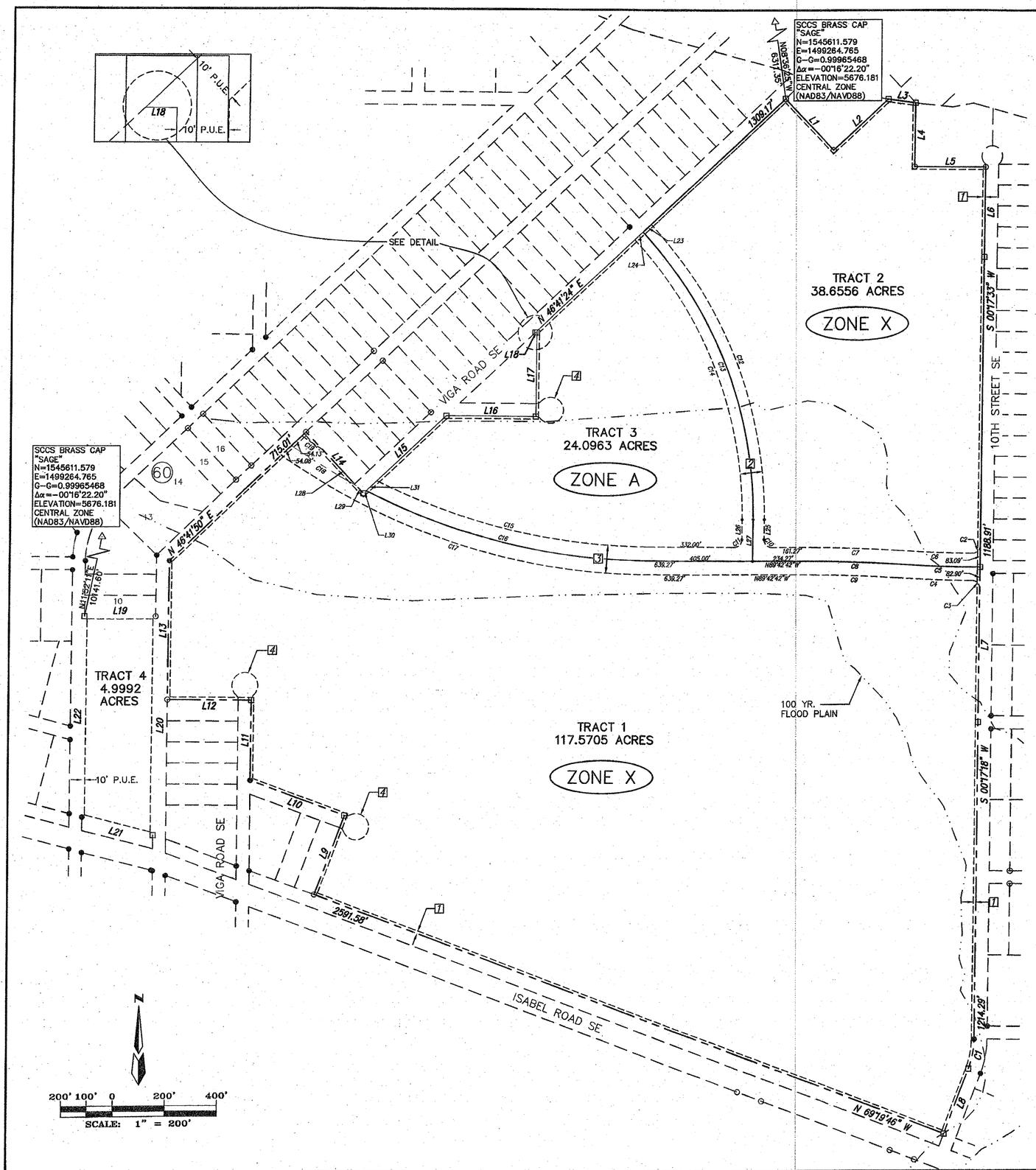

Parcel Line Table		
Line #	Direction	Length
L1	S43°18'36"E	272.25
L2	N46°41'24"E	286.57
L3	S81°53'59"E	106.07
L4	S00°16'01"W	245.48
L5	S89°45'24"E	272.46
L6	S00°17'59"W	345.13
L7	S00°17'46"W	594.61
L8	S20°40'14"W	263.28
L9	N20°40'14"E	322.61
L10	N69°21'02"W	386.40
L11	N00°17'31"E	305.08

Parcel Line Table		
Line #	Direction	Length
L12	N89°42'33"W	322.34
L13	N00°17'47"E	533.73
L14	S43°16'50"E	322.30
L15	N46°41'24"E	433.83
L16	S89°45'13"E	344.83
L17	N00°15'41"E	322.16
L18	N89°45'20"W	6.10
L19	S89°42'00"E	272.32
L20	S00°17'47"W	834.33
L21	N75°23'23"W	281.10
L22	N00°18'00"E	764.85

Parcel Curve Table					
Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C1	325.00'	115.61'	20°22'51"	S10°28'49"W	115.00'

– FOUND 3/8" REBAR

O – FOUND 3/8" REBAR

● – FOUND 3/4" PIPE

□ – SET 1/2" REBAR WITH CAP "LS 7719"

Easement Line Table			Easement Line Table		
Line #	Direction	Length	Line #	Direction	Length
L23	N46°41'24"E	17.99'	L28	N43°16'50"W	187.95'
L24	N46°41'24"E	24.99'	L29	N43°16'50"W	42.03'
L25	S00°17'18"W	76.74'	L30	N46°41'24"E	14.53'
L26	S00°17'18"W	76.74'	L31	S46°41'24"W	56.33'
L27	N00°17'18"E	159.74'			

Easement Curve Table						
Curve #	Radius	Length	Delta	Tangent	Chord Direction	Chord Length
C2	30.00'	47.31'	090721'08"	30.16'	S45°28'05"W	42.56'
C3	30.00'	46.95'	089°39'48"	29.82'	S44°32'08"E	42.30'
C4	5053.00'	293.89'	003°19'57"	146.99'	N87°42'04"W	293.85'
C5	4996.50'	320.32'	003°40'23"	160.21'	N87°52'13"W	320.26'
C6	4947.00'	286.74'	003°19'15"	143.41'	N87°41'44"W	286.70'
C7	5053.00'	324.25'	003°40'36"	162.16'	N87°52'24"W	324.19'
C8	5000.00'	320.85'	003°40'36"	160.48'	N87°52'24"W	320.79'
C9	4947.00'	317.45'	003°40'36"	158.76'	N87°52'24"W	317.39'
C10	30.00'	47.12'	090°00'00"	30.00'	S44°42'42"E	42.43'
C11	30.00'	47.12'	090°00'00"	30.00'	S45°17'18"W	42.43'
C12	1643.00'	1244.39'	043°23'43"	653.75'	S21°24'33"E	1214.86'
C13	1600.00'	1211.67'	043°23'23"	636.55'	N21°24'24"W	1182.93'
C14	1557.00'	1178.95'	043°23'03"	619.36'	S21°24'13"E	1150.99'
C15	2347.00'	1079.99'	026°21'54"	549.73'	N76°31'45"W	1070.48'
C16	2400.00'	1123.68'	026°49'33"	572.33'	N76°17'55"W	1113.44'
C17	2453.00'	1501.82'	035°04'27"	775.17'	S72°10'29"E	1478.23'
C18	2400.00'	290.41'	006°55'59"	145.38'	S58°21'28"E	290.23'
C19	2347.00'	94.76'	002°18'48"	47.38'	S56°18'48"E	94.75'

PRELIMINARY PLAT
OF
TRACT 1
LOS DIAMANTES SUBDIVISION
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 33 & 34
TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO
OCTOBER, 2019

EXISTING EASEMENTS

1. EXISTING 10' P.U.E. (9/27/2019, RRE PLAT BK 3, PG 4441)
2. EXISTING 86' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
3. EXISTING 106' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
4. EXISTING R50' TEMPORARY TURNAROUND EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)

ABBREVIATIONS

10' P.U.E. = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT

ROW = RIGHT-OF-WAY

A.B.C.W.U.A. = ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

H.O.A. = HOME OWNERS ASSOCIATION

NOTES

1. TRACTS 1, 2, 3, 4 LOS DIAMANTES SUBDIVISION OWNED BY LD DEVELOPMENT, LLC.
2. BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE).
3. DISTANCES ARE GROUND DISTANCES.
4. ROTATE BEARINGS 00°17'12" COUNTER-CLOCKWISE FOR RECORD BEARINGS.
5. DISTANCES ARE RECORD.
6. BASIS OF BOUNDARY IS THE FOLLOWING PLAT OF RECORD ENTITLED:
   "NORTHERLY PORTION, SOUTHWESTERLY PORTION, UNIT TEN, RIO RANCHO ESTATES" (05-13-1968, RRE PLAT BOOK 1, PAGE 74) RECORDS OF SANDOVAL COUNTY, NEW MEXICO.

FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

Designed: DMG	Drawn: SPS	Checked: ALS	Sheet 2 of 11	
Scale: as shown	Date: 10/23/2019	Job: A13051		

F:\A13JOBS\A13051 Los Diamantes Business Park\PLATS\BULK PLAT\A13051 BULK PLAT SHT 3.dwg

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PRELIMINARY PLAT
OF
TRACT 1
LOS DIAMANTES SUBDIVISION
WITHIN THE
TOWN OF ALAMEDA GRANT
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TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
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SANDOVAL COUNTY, NEW MEXICO
OCTOBER, 2019

*SEE SHEETS 9 – 11 FOR LOT AREAS AND CURVE TABLES

EXISTING EASEMENTS

1. EXISTING 10' P.U.E. (9/27/2019, RRE PLAT BK 3, PG 4441)
2. EXISTING 86' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
3. EXISTING 106' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
4. EXISTING R50' TEMPORARY TURNAROUND EASEMENT 9/27/2019, RRE PLAT BK 3, PG 4441)
5. EXISTING 25' GASLINE EASEMENT (__/__/____,) RRE PLAT BK__PG__)

NEW EASEMENTS

A. NEW 25' PUBLIC SANITARY SEWER EASEMENT, FOR THE BENEFIT OF ALL LOTS WITHIN THE LOS DIAMANTES SUBDIVISION AND TO BE OWNED & MAINTAINED BY THE LOS DIAMANTES H.O.A., GRANTED BY THIS PLAT.

B. NEW BLANKET DRAINAGE EASEMENT ON AND ACROSS ALL OF TRACT J, FOR THE BENEFIT OF ALL LOTS, AND TO BE OWNED AND MAINTAINED BY THE LOS DIAMANTES H.O.A., GRANTED BY THIS PLAT.

ABBREVIATIONS

10' P.U.E. = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT

ROW = RIGHT-OF-WAY

A.B.C.W.U.A. = ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

H.O.A. = HOME OWNERS ASSOCIATION

LEGEND

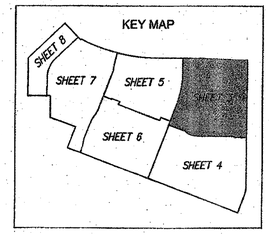
21	LOT NUMBER
3–P1	EXISTING LOT NUMBER
BLOCK 6	BLOCK NUMBER
▲	C.O.R.R. CENTERLINE MONUMENT
△	EXIST. C.O.R.R. CENTERLINE MONUMENT
•	REFERS TO END OF TANGENT OR CURVE ON RIGHT-OF-WAY BLOCK CORNERS (does not constitute any set corners)

CORNERS

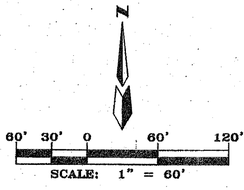
○ SET 1/2" REBAR WITH CAP "ALS LS 7719"

● SET PK NAIL WITH TAG "ALS LS 7719"

NOTE: ▲
CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF RIO RANCHO", "CENTERLINE MONUMENT", "DO NOT DISTURB", "P.S. No. 7719".



ALL STREETS AND ROADS SHOWN HEREON ARE HEREBY DEDICATED IN FEE SIMPLE WITH WARRANTY COVENANTS AS PUBLIC RIGHT-OF-WAY



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ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
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Designed: DMG	Drawn: DER	Checked: ALS	Sheet 3 of 11	
Scale: as shown	Date: 10/23/2019	Job: A18026		

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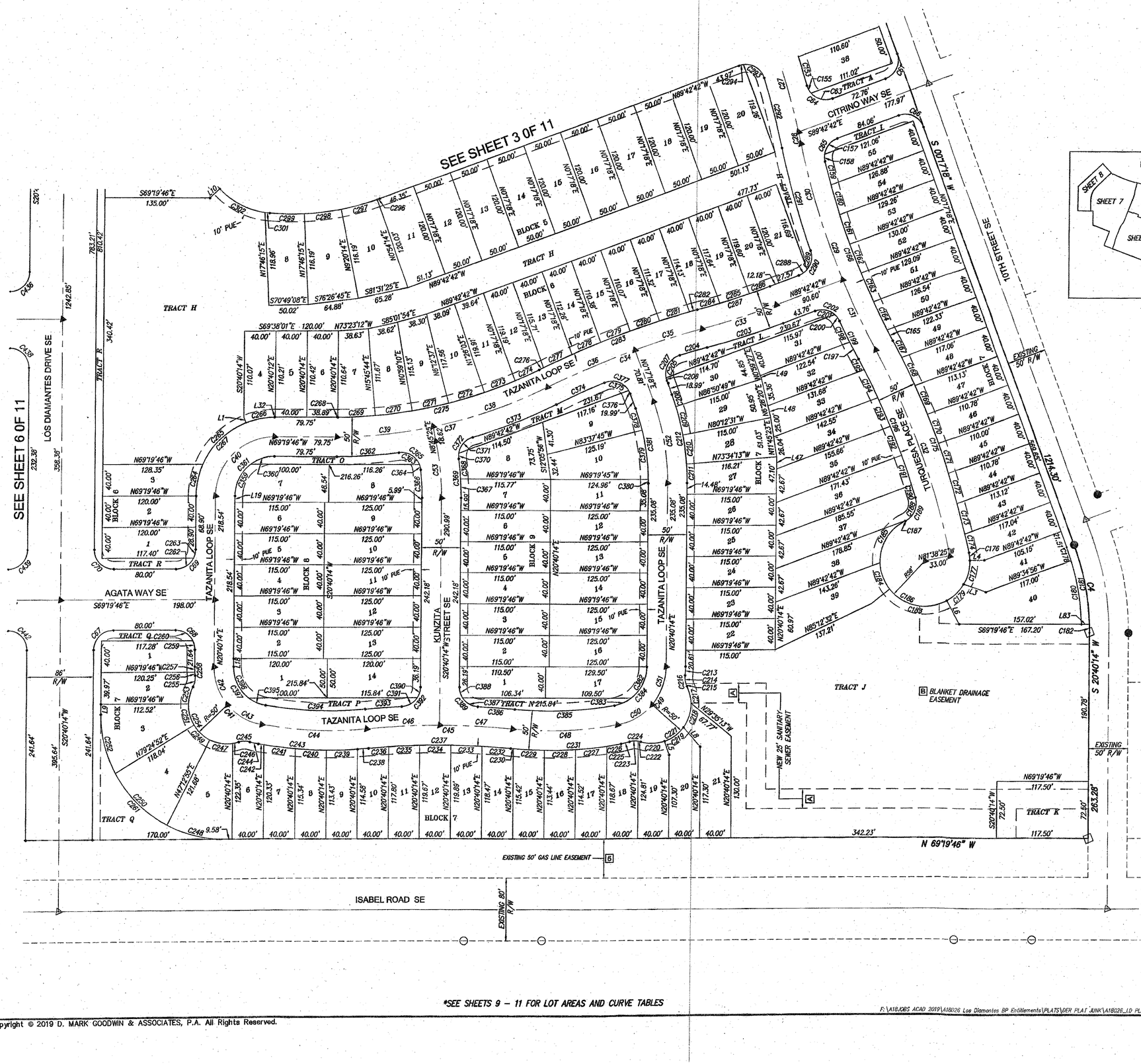
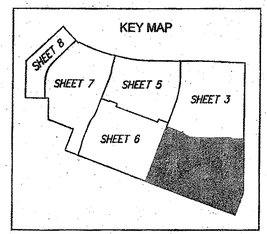
RECORD DRAWINGS

PRELIMINARY PLAT OF TRACT 1 LOS DIAMANTES SUBDIVISION

WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 33 & 34
TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO
OCTOBER, 2019





EXISTING EASEMENTS

1 EXISTING 10' P.U.E. (9/27/2019, RRE PLAT BK 3, PG 4441)

2 EXISTING 86' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)

3 EXISTING 106' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)

4 EXISTING R50' TEMPORARY TURNAROUND EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)

5 EXISTING 25' GASLINE EASEMENT (__/__/____,RRE PLAT BK__PG__)

NEW EASEMENTS

A NEW 25' PUBLIC SANITARY SEWER EASEMENT, FOR THE BENEFIT OF ALL LOTS WITHIN THE LOS DIAMANTES SUBDIVISION AND TO BE OWNED & MAINTAINED BY THE LOS DIAMANTES H.O.A., GRANTED BY THIS PLAT.

B NEW BLANKET DRAINAGE EASEMENT ON AND ACROSS ALL OF TRACT J, FOR THE BENEFIT OF ALL LOTS, AND TO BE OWNED AND MAINTAINED BY THE LOS DIAMANTES H.O.A., GRANTED BY THIS PLAT.

ABBREVIATIONS

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21	LOT NUMBER
3--P1	EXISTING LOT NUMBER
BLOCK 1	BLOCK NUMBER
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△	EXIST. C.O.R.R. CENTERLINE MONUMENT
•	REFERS TO END OF TANGENT OR CURVE ON RIGHT-OF-WAY BLOCK CORNERS (does not constitute any set corners)

CORNERS

O SET 1/2" REBAR WITH CAP "ALS LS 7719"

● SET PK NAIL WITH TAG "ALS LS 7719"

NOTE: ▲
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ALL STREETS AND ROADS SHOWN HEREON ARE HEREBY DEDICATED IN FEE SIMPLE WITH WARRANTY COVENANTS AS PUBLIC RIGHT-OF-WAY

60' 30' 0 60' 120'
SCALE: 1" = 60'

FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

*SEE SHEETS 9 – 11 FOR LOT AREAS AND CURVE TABLES

Designed: DMG	Drawn: DER	Checked: ALS	Sheet 4 of 11
Scale: as shown	Date: 10/23/2019	Job: A18026	

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SHEET 7 of 30

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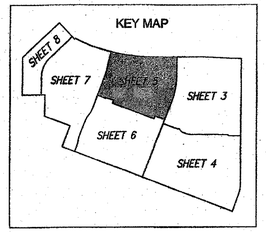
PRELIMINARY PLAT
OF
TRACT 1
LOS DIAMANTES SUBDIVISION
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 33 & 34
TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO
OCTOBER, 2019



EXISTING EASEMENTS

1. EXISTING 10' P.U.E. (9/27/2019, RRE PLAT BK 3, PG 4441)
2. EXISTING 86' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
3. EXISTING 106' PUBLIC ACCESS, WATER, SANITARY SEWER EASEMENT (9/27/2019, RRE PLAT BK 3, PG 4441)
4. EXISTING R50' TEMPORARY TURNAROUND EASEMENT 9/27/2019, RRE PLAT BK 3, PG 4441)
5. EXISTING 25' GASLINE EASEMENT (__/__/____,) RRE PLAT BK__PG__)

ABBREVIATIONS

10' P.U.E. = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT

ROW = RIGHT-OF-WAY

A.B.C.W.U.A. = ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

H.O.A. = HOME OWNERS ASSOCIATION

LEGEND

21	LOT NUMBER
3-P1	EXISTING LOT NUMBER
BLOCK 1	BLOCK NUMBER
▲	C.O.R.R. CENTERLINE MONUMENT
△	EXIST. C.O.R.R. CENTERLINE MONUMENT
•	REFERS TO END OF TANGENT OR CURVE ON RIGHT-OF-WAY BLOCK CORNERS (does not constitute any set corners)

CORNERS

○ SET 1/2" REBAR WITH CAP "ALS LS 7719"

● SET PK NAIL WITH TAG "ALS LS 7719"

NEW EASEMENTS

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60' 30' 0 60' 120'

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FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

Designed: DMG	Drawn: DER	Checked: ALS	Sheet 5 of 11
Scale: as shown	Date: 10/23/2019	Job: A18026	

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PROJECTED SECTIONS 33 & 34
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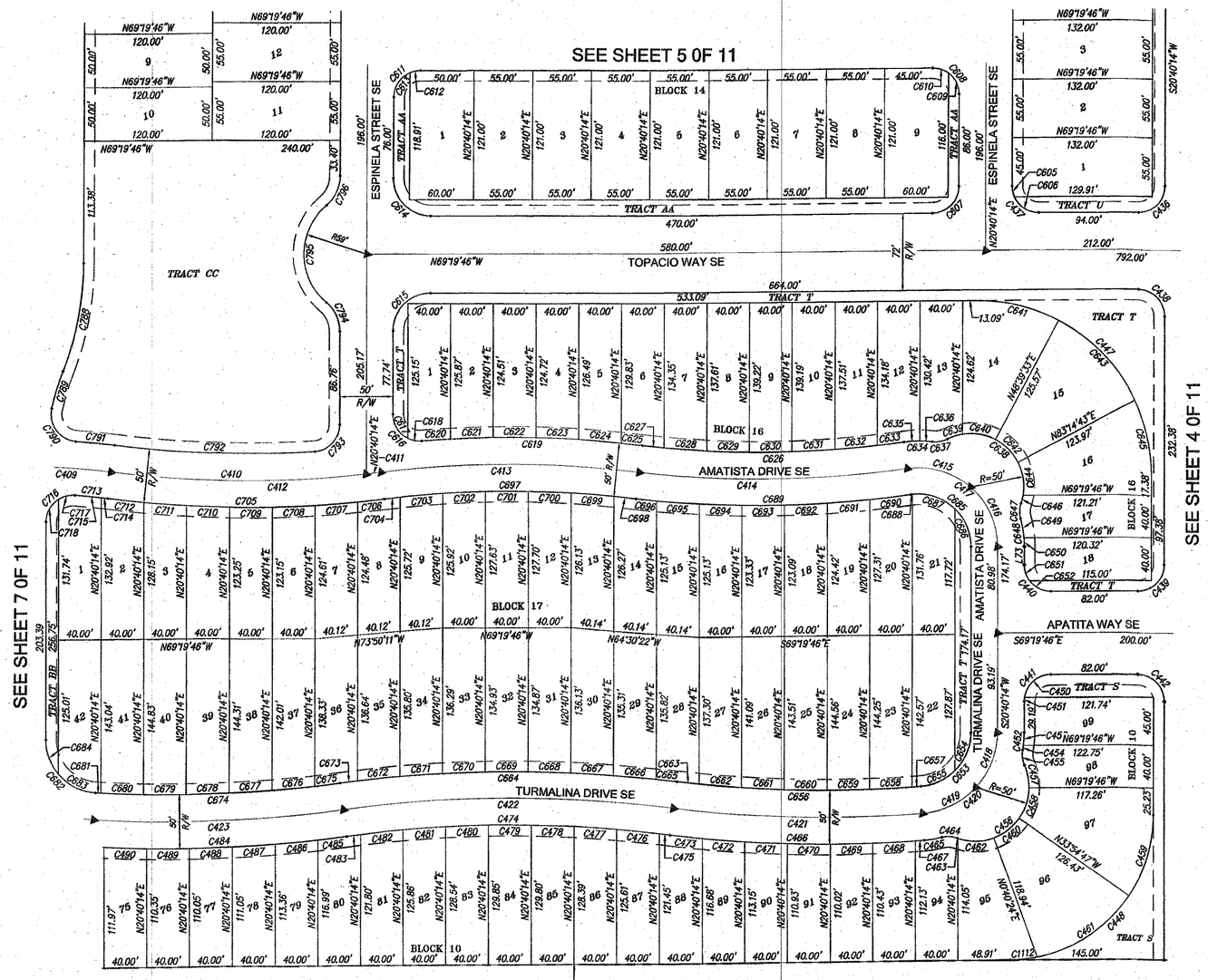
OCTOBER, 2019



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LEGEND

- 21 — *LOT NUMBER*
- 3–P1 — *EXISTING LOT NUMBER*
- BLOCK 1 — *BLOCK NUMBER*
- ▲ — *C.O.R.R. CENTERLINE MONUMENT*
- △ — *EXIST. C.O.R.R. CENTERLINE MONUMENT*
- • — *REFERS TO END OF TANGENT OR CURVE ON RIGHT-OF-WAY BLOCK CORNERS (does not constitute any set corners)*

CORNERS

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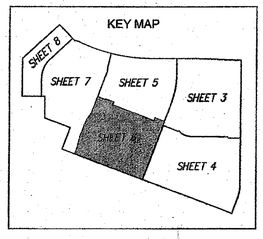
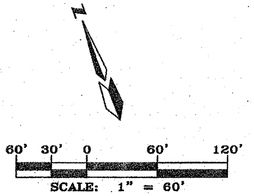
KEY MAP





FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

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RECORD DRAWINGS

PRELIMINARY PLAT
OF
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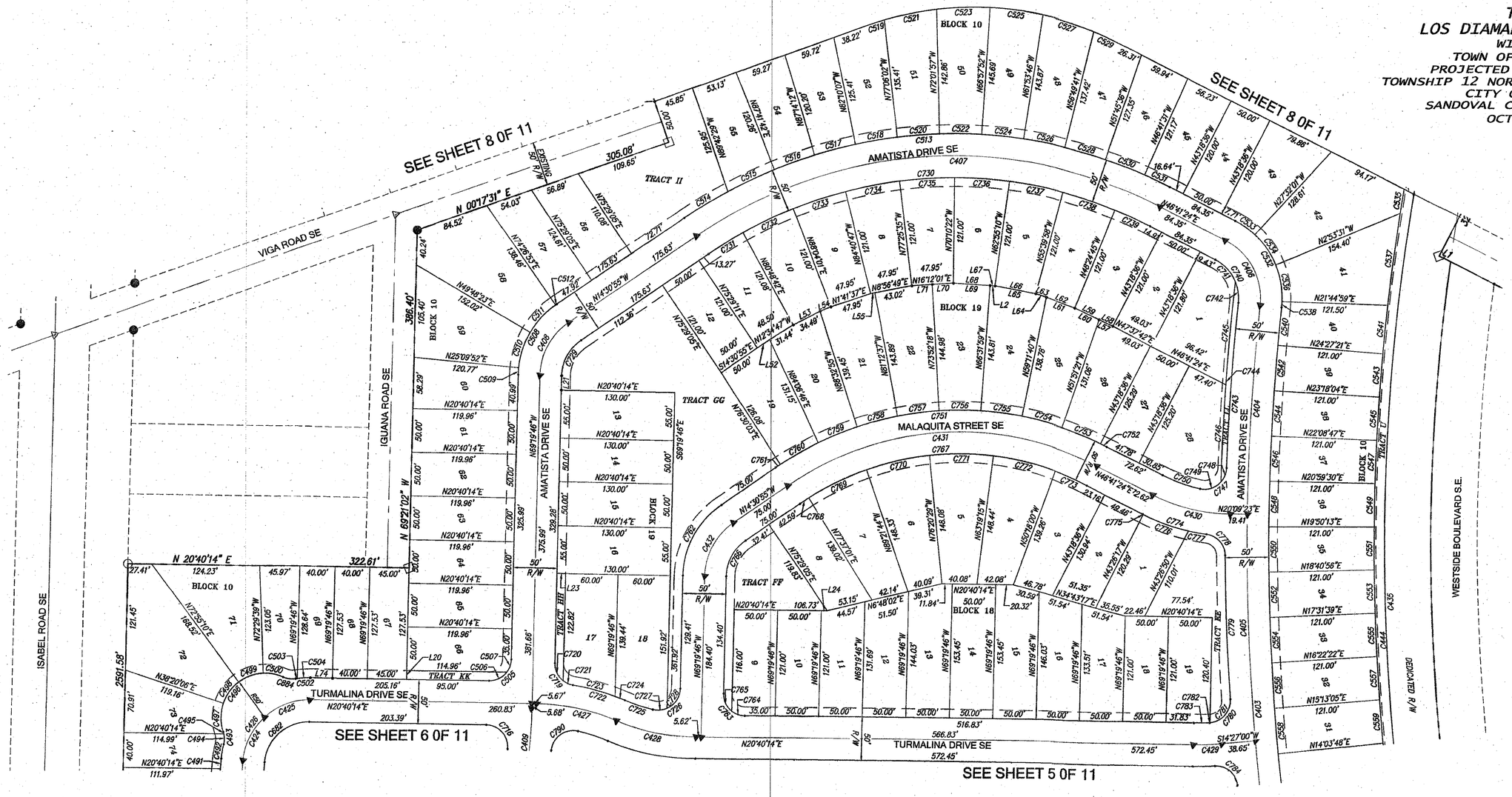
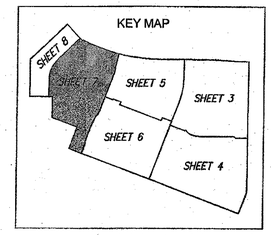
LOS DIAMANTES SUBDIVISION
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 33 & 34
TOWNSHIP 12 NORTH, RANGE 2 EAST, NMPM
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO
OCTOBER, 2019





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LEGEND

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3-P1	EXISTING LOT NUMBER
BLOCK 6	BLOCK NUMBER
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FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

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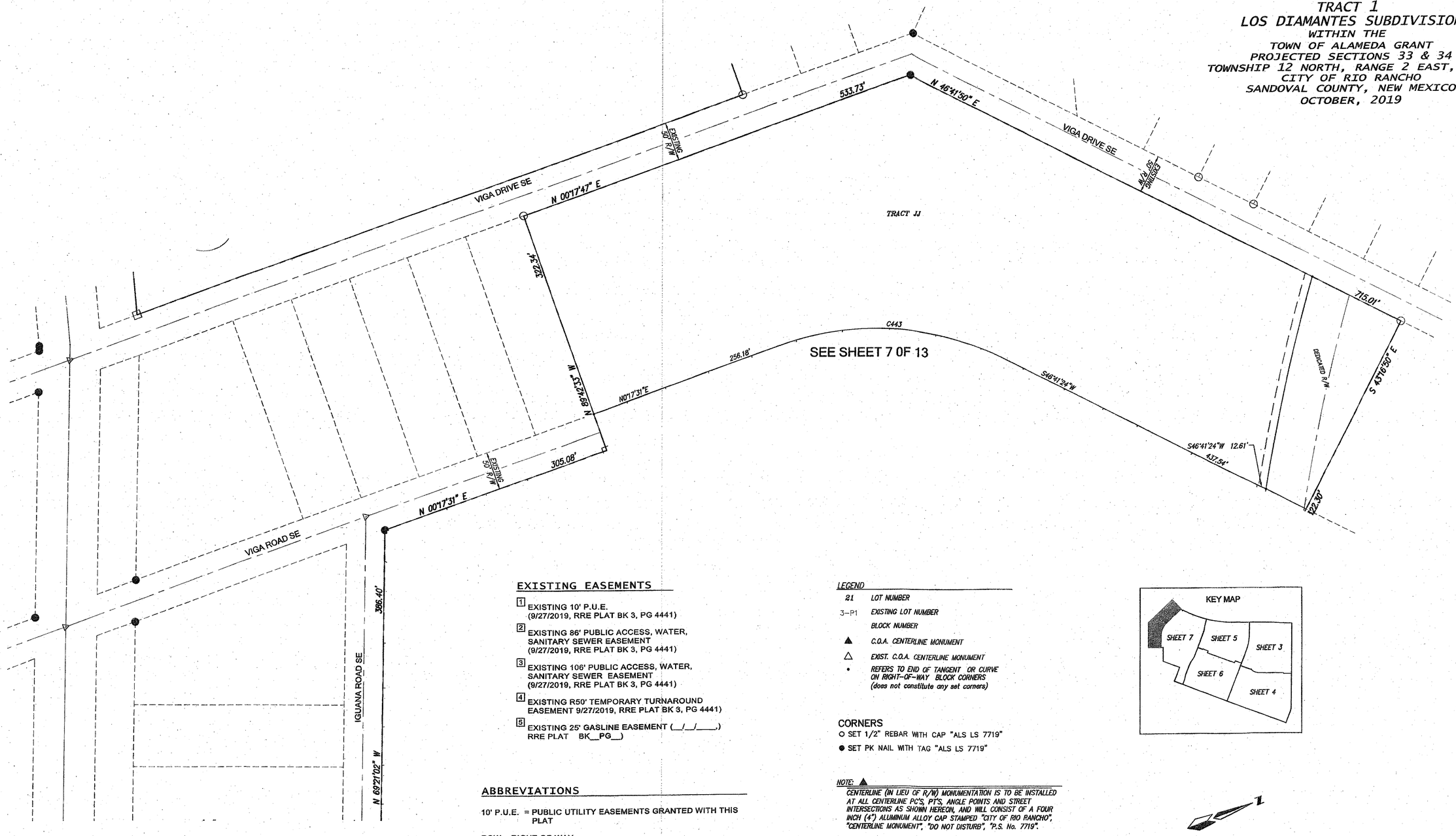

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3–P1	EXISTING LOT NUMBER
	BLOCK NUMBER
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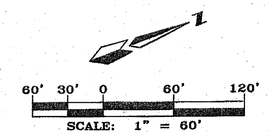

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Designed: DMG	Drawn: DER	Checked: ALS	Sheet 8 of 11
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PHASE 1
CURVE TABLES
1-406

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C1	2400.00'	1123.68'	26°49'33"	S76°17'55"E	1113.44'
C2	5000.00'	320.85'	3°40'36"	S87°52'24"E	320.79'
C3	5000.00'	320.54'	3°40'23"	S87°52'18"E	320.49'
C4	325.00'	115.61'	20°22'56"	S10°28'46"W	115.01'
C5	1200.00'	67.59'	3°13'39"	N19°03'25"E	67.59'
C6	1200.00'	359.29'	17°09'18"	N8°51'57"E	357.95'
C7	1200.00'	426.89'	20°22'56"	N10°28'46"E	424.64'
C8	1398.25'	447.44'	18°20'04"	N11°30'12"E	445.53'
C9	1398.25'	78.76'	3°13'39"	N19°03'25"E	78.75'
C10	1398.25'	154.72'	6°20'24"	N14°16'24"E	154.64'
C11	1398.25'	213.95'	8°46'01"	N6°43'11"E	213.74'
C12	75.00'	115.13'	87°57'08"	S46°18'44"W	104.15'
C13	75.16'	57.56'	43°52'53"	S24°18'30"W	56.16'
C14	75.11'	57.57'	43°55'06"	S68°18'47"W	56.17'
C15	75.00'	118.47'	90°30'07"	N44°27'38"W	106.53'
C16	75.02'	59.23'	45°14'09"	N67°05'21"W	57.71'
C17	75.02'	59.23'	45°14'23"	N21°49'58"W	57.71'
C18	1000.00'	108.80'	6°14'02"	S2°19'36"E	108.75'
C19	1000.00'	248.50'	14°14'17"	N1°40'32"E	247.86'
C20	1000.00'	105.87'	6°03'58"	N2°24'38"W	105.82'
C21	1000.00'	142.63'	8°10'19"	N4°42'31"E	142.51'
C22	1000.00'	296.92'	17°00'44"	S01°7'18"W	295.83'
C23	1000.00'	148.46'	8°30'22"	S4°32'29"W	148.32'
C24	1000.00'	148.46'	8°30'22"	S3°57'53"E	148.32'
C25	1000.00'	290.00'	16°36'57"	N01°05'24"E	288.98'
C26	1000.00'	142.63'	8°10'19"	N4°07'54"W	142.51'
C27	1000.00'	132.20'	7°34'28"	N3°44'29"E	132.10'
C28	1000.00'	15.17'	0°52'10"	N7°57'48"E	15.17'
C29	1000.00'	283.08'	16°13'09"	S01°7'18"W	282.13'
C30	1000.00'	183.59'	10°31'07"	S3°08'19"W	183.33'
C31	1000.00'	99.49'	5°42'02"	S4°58'16"E	99.45'
C32	1000.00'	282.41'	16°10'51"	N01°6'09"E	281.47'
C33	1000.00'	100.04'	5°43'55"	S86°50'44"E	100.00'
C34	1000.00'	211.90'	12°08'28"	S89°56'59"W	211.51'
C35	1000.00'	90.57'	5°11'22"	N86°34'28"W	90.54'
C36	1000.00'	121.33'	6°57'06"	S87°21'18"W	121.26'
C37	600.00'	280.56'	26°47'29"	S82°43'30"E	278.01'
C38	600.00'	155.80'	14°52'40"	S88°40'55"E	155.36'
C39	600.00'	124.76'	11°54'50"	S7°51'10"E	124.54'
C40	75.00'	117.81'	90°00'00"	S85°40'14"W	106.07'
C41	75.00'	104.59'	79°53'50"	S19°16'41"E	96.32'
C42	75.14'	52.30'	39°52'45"	S0°42'53"W	51.25'
C43	75.19'	52.29'	39°50'43"	S39°16'18"E	51.24'
C44	500.00'	135.05'	15°28'31"	S66°57'51"E	134.64'
C45	1000.00'	187.54'	10°44'43"	N69°19'46"W	187.27'
C46	1000.00'	93.77'	5°22'21"	N72°00'56"W	93.74'
C47	1000.00'	93.77'	5°22'21"	N66°38'35"W	93.74'
C48	500.00'	135.05'	15°28'31"	S71°41'40"E	134.64'
C49	75.00'	104.59'	79°53'50"	N60°37'09"E	96.32'
C50	75.71'	52.29'	39°34'26"	N80°40'01"E	51.26'
C51	76.53'	57.31'	42°54'30"	N42°20'28"E	55.98'
C52	300.00'	106.72'	20°22'56"	N10°28'46"E	106.16'
C53	350.00'	72.78'	11°54'50"	N14°42'50"E	72.65'
C54	300.00'	56.38'	10°46'02"	S84°19'41"E	56.29'
C55	300.00'	106.72'	20°22'56"	S79°31'14"E	106.16'
C56	75.00'	111.43'	85°07'33"	S21°53'32"E	101.46'
C57	300.00'	132.24'	25°15'23"	S77°05'00"E	131.17'
C58	4947.00'	317.45'	3°40'36"	N87°52'24"W	317.39'
C59	30.00'	46.95'	89°39'48"	N44°32'08"W	42.30'
C61	25.00'	39.27'	90°00'00"	N4517'18"E	35.36'
C62	118.00'	182.44'	88°35'04"	N43°59'46"W	164.80'
C63	25.00'	29.91'	68°32'31"	S55°26'27"E	28.16'
C64	25.00'	41.08'	94°09'12"	S42°38'10"E	36.61'
C65	25.00'	36.47'	83°35'14"	S48°29'41"W	33.32'
C66	25.00'	39.27'	90°00'00"	N44°42'42"W	35.36'
C67	25.00'	39.27'	90°00'00"	S65°40'14"W	35.36'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C68	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C69	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C70	25.00'	39.27'	90°00'00"	S24°19'46"E	35.36'
C71	1242.98'	7.25'	0°20'03"	S20°30'13"W	7.25'
C72	25.00'	38.01'	87°06'25"	S63°53'23"W	34.45'
C73	25.00'	36.72'	84°08'13"	N31°03'24"W	33.50'
C74	25.00'	38.01'	87°06'33"	S29°00'16"E	34.45'
C76	30.00'	47.12'	89°59'53"	S45°17'20"W	42.43'
C77	1157.00'	411.59'	20°22'56"	N10°28'46"E	409.42'
C78	30.00'	47.12'	90°00'00"	N44°42'42"W	42.43'
C79	145.00'	227.77'	90°00'00"	S45°17'18"W	205.06'
C80	1253.00'	308.87'	14°07'25"	N7°21'00"E	308.09'
C81	1373.25'	296.87'	12°23'11"	N8°31'46"E	296.29'
C83	1373.25'	54.14'	2°15'32"	S13°16'57"W	54.14'
C84	1253.00'	49.40'	2°15'32"	N13°16'57"E	49.40'
C85	1373.25'	54.14'	2°15'32"	N11°01'25"E	54.14'
C87	1373.25'	54.14'	2°15'32"	N8°45'53"E	54.14'
C88	1253.00'	49.40'	2°15'32"	S8°45'53"W	49.40'
C89	1373.25'	54.14'	2°15'32"	N6°30'21"E	54.14'
C90	1253.00'	49.40'	2°15'32"	S6°30'21"W	49.40'
C91	1373.25'	54.14'	2°15'32"	N4°14'48"E	54.14'
C92	1253.00'	49.40'	2°15'32"	S4°14'48"W	49.40'
C93	1372.99'	18.72'	0°46'53"	S2°43'36"W	18.72'
C94	100.00'	18.18'	10°25'08"	S7°32'44"W	18.16'
C95	25.00'	14.64'	33°33'26"	S4°01'25"E	14.43'
C96	50.00'	3.19'	3°39'05"	S18°58'36"E	3.19'
C98	50.00'	41.53'	47°35'05"	S6°38'29"W	40.34'
C99	1253.00'	12.47'	0°34'12"	N0°34'24"E	12.47'
C100	145.00'	69.27'	27°22'14"	N13°58'25"E	68.61'
C101	50.00'	37.21'	42°38'17"	S51°45'09"W	36.36'
C103	50.00'	35.22'	40°21'19"	N86°45'03"W	34.49'
C104	50.00'	117.14'	134°13'45"	S46°18'44"W	92.13'
C105	25.00'	10.72'	24°33'45"	N78°51'16"W	10.64'
C106	145.00'	28.53'	11°16'27"	N84°39'05"E	28.49'
C107	25.00'	3.92'	8°59'44"	N84°22'02"E	3.92'
C108	25.00'	14.64'	33°33'26"	S83°21'06"E	14.43'
C109	100.00'	18.18'	10°25'08"	N85°04'44"E	18.16'
C110	145.00'	69.27'	27°22'14"	N13°58'25"E	68.61'
C111	145.00'	129.97'	51°21'19"	N53°20'12"E	125.66'
C114	100.00'	20.41'	11°41'37"	N83°51'53"W	20.37'
C115	100.00'	7.27'	4°09'47"	S87°37'48"E	7.26'
C116	5058.00'	50.06'	0°34'01"	N86°53'52"W	50.06'
C117	100.00'	20.41'	11°41'37"	N83°51'53"W	20.37'
C118	25.00'	9.37'	21°27'58"	S79°09'28"W	9.31'
C119	50.00'	22.16'	25°23'21"	S81°07'10"W	21.98'
C121	50.00'	37.21'	42°38'17"	S84°52'02"E	36.36'
C123	118.00'	83.77'	40°40'34"	N67°57'01"W	82.02'
C124	50.00'	36.84'	42°12'43"	N22°26'32"W	36.01'
C125	118.00'	98.67'	47°54'30"	S23°39'29"E	95.82'
C126	50.00'	20.94'	23°59'25"	S10°39'32"W	20.78'
C127	50.00'	117.14'	134°13'45"	N44°27'38"W	92.13'
C128	25.00'	14.64'	33°33'26"	S5°52'31"W	14.43'
C129	100.00'	15.31'	8°46'28"	S6°30'58"E	15.30'
C130	100.00'	5.10'	2°55'09"	S0°40'09"E	5.09'
C131	100.00'	20.41'	11°41'37"	N5°03'23"W	20.37'
C132	973.72'	44.91'	2°38'34"	S0°31'49"E	44.91'
C133	974.15'	55.13'	3°14'32"	S3°28'05"E	55.12'
C134	975.00'	6.04'	0°21'18"	S5°15'58"E	6.04'
C135	975.00'	106.08'	6°14'02"	S2°19'36"E	106.03'
C136	1025.00'	49.13'	2°44'47"	S4°04'13"E	49.13'
C137	1025.00'	55.02'	3°04'33"	S1°09'34"E	55.02'
C138	1025.00'	50.02'	2°47'46"	S1°46'36"W	50.02'
C139	1025.00'	50.15'	2°48'11"	S4°34'34"W	50.14'
C141	1025.00'	254.71'	14°14'17"	N1°40'32"E	254.06'
C142	975.00'	50.61'	2°58'27"	S7°18'27"W	50.60'
C143	975.00'	55.14'	3°14'24"	S4°12'02"W	55.13'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C144	975.00'	55.01'	3°13'58"	S0°57'51"W	55.00'
C145	975.00'	50.05'	2°56'28"	S2°07'22"E	50.04'
C146	975.00'	50.22'	2°57'05"	S5°04'09"E	50.22'
C147	975.00'	28.47'	1°40'22"	S7°22'53"E	28.47'
C148	975.00'	289.50'	17°00'44"	S01°7'18"W	288.44'
C149	1025.00'	22.00'	1°13'47"	S7°36'11"E	22.00'
C150	1025.00'	55.28'	3°05'25"	S5°26'35"E	55.28'
C151	1025.00'	55.07'	3°04'41"	S2°21'32"E	55.06'
C152	1025.00'	55.01'	3°04'30"	S0°43'03"W	55.00'
C153	1025.00'	39.10'	2°11'09"	S3°20'53"W	39.10'
C154	1025.00'	226.46'	12°39'31"	N1°53'19"W	226.00'
C155	25.00'	11.17'	25°36'38"	S8°21'52"E	11.08'
C157	25.00'	26.91'	61°40'33"	S59°27'02"W	25.63'
C158	25.00'	9.56'	21°54'41"	S17°39'24"W	9.50'
C159	975.00'	31.08'	1°49'34"	S5°47'17"W	31.07'
C160	975.00'	40.07'	2°21'18"	S3°41'51"W	40.07'
C161	975.00'	40.01'	2°21'04"	S1°20'40"W	40.01'
C162	975.00'	40.01'	2°21'05"	S1°00'25"E	40.01'
C163	975.00'	40.08'	2°21'20"	S3°21'37"E	40.08'
C164	975.00'	40.22'	2°21'49"	S5°43'12"E	40.22'
C165	975.00'	15.65'	0°55'10"	S7°21'41"E	15.65'
C166	975.00'	247.13'	14°31'20"	S0°33'36"E	246.46'
C167	1025.00'	24.70'	1°22'51"	S7°07'51"E	24.70'
C168	1025.00'	40.19'	2°14'49"	S5°19'02"E	40.19'
C169	1025.00'	40.07'	2°14'24"	S3°04'25"E	40.07'
C170	1025.00'	40.01'	2°14'11"	S0°50'08"E	40.01'
C171	1025.00'	40.01'	2°14'11"	S1°24'04"W	40.01'
C172	1025.00'	40.07'	2°14'24"	S3°38'21"W	40.07'
C173	1025.00'	40.19'	2°14'48"	S5°52'57"W	40.19'
C174	1025.00'	24.22'	1°21'14"	S7°40'58"W	24.22'
C175	1025.00'	289.47'	16°10'51"	N01°6'09"E	288.51'
C176	65.40'	10.48'	9°10'42"	S13°32'08"W	10.46'
C177	58.00'	32.45'	32°03'28"	S34°44'25"W	32.03'
C178	315.00'	18.50'	3°21'53"	N1°58'15"E	18.50'
C179	58.00'	30.98'	30°36'24"	S66°04'20"W	30.62'
C180	315.00'	82.91'	15°04'47"	N11°11'34"E	82.67'
C181	315.00'	101.40'	18°26'40"	N9°30'38"E	100.97'
C182	325.59'	10.65'	1°52'29"	N19°43'57"E	10.65'
C183	58.00'	81.81'	80°48'49"	S58°13'03"E	75.19'
C184	58.00'	36.49'	36°02'50"	N0°12'47"E	35.89'
C185	58.00'	66.70'	65°53'10"	N51°10'46"E	63.08'
C186	58.00'	258.91'	255°45'46"	S43°45'32"E	91.56'
C187	25.00'	1.52'	3°28'34"	N82°23'04"E	1.52'
C188	25.00'	33.66'	77°08'41"	N42°04'27"E	31.18'
C189	25.00'	35.18'	80°37'15"	N43°48'44"E	32.35'
C190	975.00'	16.77'	0°59'09"	N3°00'32"E	16.77'
C191	975.00'	40.01'	2°21'04"	N1°20'26"E	40.01'
C192	975.00'	40.01'	2°21'05"	N1°00'39"W	40.01'
C193	975.00'	40.08'	2°21'20"	N3°21'51"W	40.08'
C194	975.00'	40.22'	2°21'50"	N5°43'26"W	40.22'
C195	1090.11'	15.58'	0°49'08"	S7°21'49"E	15.58'
C196	975.00'	192.68'	11°19'23"	N2°09'35"W	192.37'
C197	2639.26'	40.35'	0°52'33"	N7°13'10"W	40.35'
C198	1025.00'	30.35'	1°41'48"	N5°35'18"W	30.35'
C199	1025.00'	55.12'	3°04'52"	S6°16'50"E	55.11'
C200	25.00'	10.32'	23°39'25"	N16°34'07"W	10.25'
C201	25.00'	26.75'	61°18'53"	N59°03'16"W	25.50'
C202	25.00'	37.08'	84°58'17"	N47°13'33"W	33.77'
C203	1025.00'	102.54'	5°43'55"	N86°50'44"W	102.50'
C204	975.00'	36.47'	2°08'35"	N85°03'04"W	36.46'
C205	25.00'	40.84'	93°35'20"	S47°04'58"W	36.45'
C206	25.00'	3.88'	8°53'22"	N4°43'59"E	3.87'
C207	25.00'	36.96'	84°41'59"	S51°31'39"W	33.68'
C208	325.00'	16.25'	2°51'53"	N1°43'14"E	16.25'
C209	325.00'	37.65'	6°38'18"	S6°28'20"W	37.63'
C210	325.00'	37.65'	6°38'18"	S13°06'38"W	37.63'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C211	325.00'	24.06'	4°14'27"	S18°33'01"W	24.05'
C212	325.00'	115.61'	20°22'56"	N10°28'46"E	115.01'
C213	100.00'	11.15'	6°23'29"	N23°51'59"E	11.15'
C214	25.00'	10.70'	24°31'29"	S14°47'59"W	10.62'
C215	25.00'	3.94'	9°01'58"	S1°58'44"E	3.94'
C216	25.00'	14.64'	33°33'26"	N10°17'00"E	14.43'
C217	50.00'	22.22'	25°27'47"	N6°14'10"E	22.04'
C218	50.00'	33.07'	37°53'46"	N37°54'57"E	32.47'
C219	50.00'	30.47'	34°54'55"	S74°19'18"W	30.00'
C220	50.00'	31.38'	35°57'17"	N70°14'37"W	30.86'
C221	50.00'	117.14'	134°13'45"	N60°37'09"E	92.13'
C222	25.00'	3.33'	7°38'05"	N56°05'01"W	3.33'
C223	25.00'	11.31'	25°55'21"	N72°51'44"W	11.21'
C224	25.00'	14.64'	33°33'26"	N69°02'41"W	14.43'
C225	100.00'	11.15'	6°23'29"	N82°37'40"W	11.15'
C226	525.00'	18.19'	1°59'05"	N78°26'23"W	18.19'
C227	525.00'	40.22'	4°23'24"	N75°15'09"W	40.21'
C228	525.00'	40.02'	4°22'05"	N70°52'24"W	40.01'
C229	525.00'	40.06'	4°22'18"	N66°30'13"W	40.05'
C230	210.12'	3.31'	0°54'06"	N64°08'14"W	3.31'
C231	525.00'	141.80'	15°28'31"	S71°41'40"E	141.37'
C232	1014.38'	40.12'	2°15'58"	N64°57'51"W	40.12'
C233	975.00'	40.03'	2°21'08"	N67°17'46"W	40.03'
C234	975.00'	40.00'	2°21'03"	N69°38'52"W	40.00'
C235	975.00'	40.05'	2°21'12"	N71°59'59"W	40.04'
C236	975.00'	25.96'	1°31'32"	N73°56'21"W	25.96'
C237	975.00'	182.85'	10°44'43"	N69°19'46"W	182.58'
C238	525.00'	14.17'	1°32'47"	N73°55'44"W	14.17'
C239	525.00'	40.03'	4°22'06"	N70°58'17"W	40.02'
C240	525.00'	40.06'	4°22'17"	N66°36'06"W	40.05'
C241	525.00'	40.32'	4°24'01"	N62°12'57"W	40.31'
C242	525.00'	7.23'	0°47'21"	N59°37'16"W	7.23'
C243	525.00'	141.80'	15°28'31"	S86°57'51"E	141.37'
C244	100.00'	11.15'	6°23'29"	N56°01'51"W	11.15'
C245	25.00'	14.64'	33°33'26"	N69°36'50"W	14.43'
C246	50.00'	7.79'	8°55'16"	N81°55'55"W	7.78'
C247	50.00'	30.27'	34°41'12"	N60°07'41"W	29.81'
C248	160.00'	77.18'	27°38'16"	S55°30'38"E	76.43'
C249	50.00'	28.10'	32°11'58"	N26°41'06"W	27.73'
C250	160.00'	95.69'	34°16'04"	S24°33'28"E	94.27'
C251	50.00'	28.45'	32°36'16"	N5°43'01"E	28.07'
C252	160.00'	78.45'	28°05'40"	S6°37'24"W	77.67'
C253	50.00'	22.53'	25°49'03"	N34°55'40"E	22.34'
C254	325.00'	35.74'	6°18'05"	N17°31'12"E	35.73'
C255	25.00'	14.64'	33°33'26"	N31°03'29"E	14.43'
C256	100.00'	4.13'	2°22'07"	N15°27'49"E	4.13'
C257	100.00'	7.02'	4°01'22"	N18°39'33"E	7.02'
C258	100.00'	11.15'	6°23'29"	S17°28'30"W	11.15'
C259	25.00'	11.78'	26°59'32"	N7°10'28"E	11.67'
C260	25.00'	27.49'	63°00'28"	N37°49'32"W	26.13'
C262	25.00'	27.77'	63°39'08"	N78°50'41"E	26.37'
C263	25.00'	11.50'	26°20'52"	N33°50'41"E	11.40'
C264	100.00'	41.15'	23°34'41"	N32°27'35"E	40.86'
C265	100.00'	78.60'	45°02'01"	N66°45'56"E	76.59'
C266	100.00'	37.33'	21°23'18"	S80°01'25"E	37.11'
C267	100.00'	157.08'	90°00'00"	S65°40'14"W	141.42'
C268	575.00'	1.11'	0°06'38"	S69°23'05"E	1.11'
C269	575.00'	48.15'	4°47'52"	S71°50'20"E	48.14'
C270	575.00'	47.93'	4°46'34"	S76°37'33"E	47.92'
C271	575.00'	47.93'	4°46'34"	S81°24'07"E	47.92'
C272	575.00'	47.93'	4°46'34"	S86°10'40"E	47.92'
C273	575.00'	42.05'	4°11'24"	N89°20'21"E	42.04'
C274	575.00'	33.77'	3°21'54"	N85°33'42"E	33.77'
C275	575.00'	268.87'	26°47'29"	S82°43'30"E	266.43'
C276	1025.00'	6.39'	0°21'25"	N84°03'28"E	6.39'
C277	1025.00'	40.15'	2°14'40"	N85°21'30"E	40.15'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C278	1025.00'	40.05'	2°14'19"	N87°35'59"E	40.04'
C279	1025.00'	40.00'	2°14'10"	N89°50'14"E	40.00'
C280	1025.00'	40.02'	2°14'14"	S87°55'34"E	40.02'
C281	1025.00'	40.10'	2°14'30"	S85°41'12"E	40.10'
C282	1025.00'	10.49'	0°35'11"	S84°16'22"E	10.49'
C283	1025.00'	217.20'	12°08'28"	S89°56'59"W	216.79'
C284	975.00'	29.67'	1°44'36"	S84°51'05"E	29.66'
C285	975.00'	40.05'	2°21'13"	S86°53'59"E	40.05'
C286	975.00'	27.82'	1°38'06"	S88°53'39"E	27.82'
C287	975.00'	97.54'	5°43'55"	S86°50'44"E	97.50'
C288	25.00'	13.01'	29°48'54"	N75°22'51"E	12.86'
C289	25.00'	26.07'	59°45'01"	N30°35'54"E	24.91'
C290	25.00'	39.08'	89°33'55"	N45°30'21"E	35.22'
C291	1025.00'	137.30'	7°40'30"	N4°33'38"E	137.20'
C292	975.00'	92.65'	5°26'41"	N5°40'32"E	92.62'
C293	25.00'	34.35'	78°42'49"	N36°24'13"W	31.71'
C294	25.00'	6.09'	13°57'04"	N82°44'10"W	6.07'
C295	25.00'	40.43'	92°39'53"	N43°22'45"W	36.17'
C296	325.00'	3.49'	0°36'56"	N89°24'14"W	3.49'
C297	325.00'	47.84'	8°26'00"	N84°52'46"W	47.79'
C298	325.00'	47.84'	8°26'00"	N76°26'45"W	47.79'
C299	324.99'	44.10'	7°46'27"	N68°20'32"W	44.06'
C300	325.00'	143.26'	25°15'23"	S77°05'00"E	142.11'
C301	100.00'	6.12'	3°30'33"	N62°42'03"W	6.12'
C302	100.00'	67.11'	38°27'04"	N41°43'14"W	65.86'
C303	100.00'	44.91'	25°43'59"	N9°37'42"W	44.54'
C304	100.00'	30.43'	17°25'57"	N11°57'16"E	30.31'
C305	100.00'	148.57'	85°07'33"	S21°53'32"E	135.28'
C306	1373.25'	12.14'	0°30'24"	S20°25'02"W	12.14'
C307	25.00'	3.99'	9°09'00"	S15°35'21"W	3.99'
C308	25.00'	36.72'	84°08'13"	N31°03'24"W	33.50'
C309	1423.25'	173.60'	6°59'19"	N16°26'12"E	173.49'
C310	25.00'	28.87'	66°09'47"	N46°01'27"E	27.29'
C311	25.00'	6.05'	13°51'59"	N86°02'20"E	6.04'
C312	25.00'	34.92'	80°01'47"	S52°57'26"W	32.15'
C313	325.00'	15.22'	2°41'01"	S88°22'11"E	15.22'
C314	25.00'	1.18'	2°41'49"	N88°21'47"W	1.18'
C315	25.00'	41.86'	95°56'51"	N39°02'29"W	37.14'
C316	25.00'	43.04'	98°38'35"	S40°23'24"E	37.92'
C317	1423.25'	163.83'	6°35'43"	N5°38'02"E	163.74'
C318	50.00'	27.47'	31°28'35"	N18°04'28"E	27.12'
C319	50.00'	49.28'	56°28'33"	S62°03'02"W	47.31'
C320	50.00'	76.75'	87°57'08"	S46°18'44"W	69.44'
C321	50.06'	78.95'	90°21'33"	N44°27'38"W	71.02'
C324	1025.00'	111.52'	6°14'02"	N2°19'36"W	111.47'
C325	975.00'	52.19'	3°04'02"	N3°54'36"W	52.19'
C326	25.00'	38.70'	88°41'11"	N41°58'00"E	34.95'
C327	25.00'	1.74'	3°58'42"	N88°17'57"E	1.74'
C328	25.00'	40.43'	92°39'53"	N43°57'21"E	36.17'
C329	25.00'	40.74'	93°22'09"	S43°01'37"E	36.38'
C330	975.00'	87.42'	5°08'13"	S6°13'34"W	87.39'
C332	25.00'	23.08'	52°53'59"	S29°28'03"W	22.27'
C333	25.00'	15.00'	34°22'15"	S73°06'10"W	14.77'
C334	25.00'	38.08'	87°16'14"	N46°39'11"E	34.50'
C335	275.00'	57.10'	11°53'52"	N83°45'46"W	57.00'
C336	275.00'	40.72'	8°29'05"	N73°34'18"W	40.69'
C337	275.00'	97.83'	20°22'56"	S79°31'14"E	97.31'
C338	25.00'	38.95'	89°15'38"	N24°41'57"W	35.13'
C339	25.00'	23.18'	53°07'48"	S47°14'08"W	22.36'
C340	25.39'	16.08'	36°16'44"	N87°45'52"W	15.81'
C341	25.00'	39.27'	90°00'00"	S65°40'14"W	35.36'
C342	325.00'	23.54'	4°08'58"	N71°24'15"W	23.53'
C345	325.00'	115.61'	20°22'56"	S79°31'14"E	115.01'
C346	25.00'	15.00'	34°22'16"	N72°31'34"W	14.77'
C347	24.96'	19.04'	43°42'54"	N24°15'31"W	18.58'
C348	25.00'	38.08'	87°16'20"	N46°04'35"W	34.50'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C349	1025.00'	103.34'	5°46'36"	N5°19'46"W	103.30'
C350	975.00'	87.42'	5°08'13"	N5°38'57"W	87.39'
C351	25.00'	40.74'	93°22'09"	N43°36'14"E	36.38'
C352	275.00'	19.91'	4°08'52"	S87°38'16"E	19.90'
C353	275.00'	50.76'	10°34'31"	S80°16'35"E	50.69'
C354	275.00'	50.86'	10°35'50"	S89°41'24"E	50.79'
C355	275.00'	121.22'	25°15'23"	S77°05'00"E	120.24'
C356	48.94'	41.86'	49°00'47"	S40°08'02"E	40.60'
C357	50.00'	32.18'	36°52'12"	S2°14'08"W	31.62'
C358	50.00'	74.29'	85°07'33"	S21°53'32"E	67.64'
C359	50.00'	46.36'	53°07'48"	S4°14'08"W	44.72'
C360	50.00'	32.18'	36°52'12"	N87°45'52"W	31.62'
C361	50.00'	78.54'	90°00'00"	S65°40'14"W	70.71'
C362	625.00'	80.45'	7°22'30"	N73°01'01"W	80.39'
C363	25.00'	32.61'	74°44'11"	N39°20'10"W	30.35'
C364	25.00'	7.13'	16°20'14"	N6°12'03"E	7.10'
C365	25.00'	39.74'	91°04'25"	N31°10'03"W	35.69'
C366	325.00'	35.74'	6°18'05"	N17°31'12"E	35.73'
C367	375.00'	24.02'	3°40'14"	S18°50'07"W	24.02'
C368	375.00'	26.24'	4°00'31"	S14°59'45"W	26.23'
C369	375.00'	50.26'	7°40'45"	N16°49'52"E	50.22'
C370	25.00'	6.97'	15°57'51"	S20°58'24"W	6.94'
C371	25.00'	28.57'	65°29'10"	S61°41'55"W	27.04'
C372	25.00'	35.54'	81°27'01"	S53°43'00"W	32.62'
C373	625.00'	115.22'	10°33'45"	S89°09'38"W	115.06'
C374	975.00'	67.46'	3°57'50"	S85°51'40"W	67.44'
C375	25.00'	35.75'	81°55'26"	N51°11'41"W	32.78'
C376	25.00'	4.59'	10°31'16"	N4°58'20"W	4.58'
C377	25.00'	40.34'	92°26'43"	N45°56'03"W	36.10'
C378	275.00'	29.19'	6°04'57"	N3°19'46"E	29.18'
C379	275.00'	63.72'	13°16'30"	N13°00'30"E	63.57'
C380	275.00'	4.92'	1°01'29"	N20°09'30"E	4.92'
C381	275.00'	97.83'	20°22'56"	N10°28'46"E	97.31'
C382	50.00'	46.36'	53°07'48"	N47°14'08"E	44.72'
C383	50.00'	23.36'	26°46'02"	N87°11'03"E	23.15'
C384	50.00'	69.72'	79°53'50"	N60°37'09"E	64.21'
C385	475.00'	128.30'	15°28'31"	S71°41'40"E	127.91'
C386	1025.00'	47.29'	2°38'36"	S65°16'42"E	47.28'
C387	25.00'	23.45'	53°44'31"	S39°43'44"E	22.60'
C388	25.00'	14.63'	33°31'43"	S3°54'23"W	14.42'
C389	25.00'	38.08'	87°16'14"	S22°57'53"E	34.50'
C390	25.00'	14.63'	33°31'23"	N37°25'56"E	14.42'
C391	25.00'	23.45'	53°44'51"	N81°04'03"E	22.60'
C392	25.00'	38.08'	87°16'14"	N6°41'821"E	34.50'
C393	1025.00'	47.29'	2°38'36"	S73°22'49"E	47.28'
C394	475.00'	128.30'	15°28'31"	S66°57'51"E	127.91'
C395	50.00'	23.36'	26°46'15"	S45°50'28"E	23.15'
C396	50.00'	46.36'	53°07'48"	S5°53'33"E	44.72'
C397	50.00'	69.72'	79

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C415	75.00'	63.76'	48°42'41"	N52°23'47"W	61.86'
C416	75.00'	63.76'	48°42'41"	N3°41'06"W	61.86'
C417	75.00'	127.53'	97°25'22"	N28°02'27"W	112.71'
C418	75.00'	56.43'	43°06'35"	N42°13'32"E	55.11'
C419	75.00'	56.43'	43°06'35"	N85°20'07"E	55.11'
C420	75.00'	112.86'	86°13'10"	N63°46'49"E	102.51'
C421	1200.00'	234.21'	11°10'57"	S87°31'07"E	233.83'
C422	1200.00'	310.05'	14°48'14"	N69°19'46"W	309.19'
C423	1200.00'	234.21'	11°10'57"	S71°08'24"E	233.83'
C424	75.00'	56.42'	43°05'57"	S43°59'57"E	55.10'
C425	75.00'	56.44'	43°07'13"	S0°53'22"E	55.12'
C426	75.00'	112.86'	86°13'10"	S22°26'21"E	102.51'
C427	250.00'	93.74'	21°29'00"	S31°24'45"W	93.19'
C428	250.00'	93.74'	21°29'00"	N31°24'45"E	93.19'
C429	300.00'	32.57'	6°13'15"	N17°33'37"E	32.56'
C430	200.00'	92.62'	26°32'01"	N33°25'23"E	91.79'
C431	350.00'	373.88'	61°12'19"	S16°05'14"W	356.36'
C432	75.00'	71.75'	54°48'50"	S41°55'21"E	69.05'
C433	300.00'	64.76'	12°22'08"	N14°29'11"E	64.64'
C434	200.00'	66.84'	19°08'51"	N11°05'49"E	66.53'
C435	2453.00'	1501.62'	35°04'27"	S72°10'29"E	1478.29'
C436	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C437	25.00'	39.27'	90°00'00"	S24°19'46"E	35.36'
C438	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C439	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C440	25.00'	39.27'	90°00'00"	S24°19'46"E	35.36'
C441	25.00'	39.27'	90°00'00"	S65°40'14"W	35.36'
C442	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C443	375.00'	303.67'	46°23'53"	S23°29'27"W	295.44'
C444	2463.00'	1509.75'	35°07'14"	S72°09'05"E	1486.22'
C445	220.00'	358.58'	93°23'12"	N43°01'06"W	320.18'
C446	1145.00'	338.32'	16°55'45"	N12°08'23"E	337.09'
C447	165.00'	259.18'	90°00'00"	N24°19'46"W	233.35'
C448	135.00'	212.06'	90°00'00"	N65°40'14"E	190.92'
C450	25.00'	35.67'	81°44'20"	S69°48'04"W	32.72'
C451	25.00'	3.60'	8°15'40"	S24°48'04"W	3.60'
C452	100.00'	16.67'	9°33'09"	N25°26'49"E	16.65'
C453	100.00'	12.25'	7°01'05"	S24°10'47"W	12.24'
C454	100.00'	4.42'	2°32'04"	S28°57'21"W	4.42'
C455	25.00'	14.64'	33°33'26"	S13°26'40"W	14.43'
C456	50.00'	117.14'	134°13'45"	N63°46'49"E	92.13'
C457	50.00'	21.91'	25°06'31"	S9°13'12"W	21.74'
C458	50.00'	29.94'	34°18'45"	S38°55'51"W	29.50'
C459	135.00'	80.79'	34°17'16"	N37°48'52"E	79.59'
C460	50.00'	30.18'	34°35'11"	S73°22'49"W	29.73'
C461	135.00'	105.59'	44°48'44"	N77°21'52"E	102.92'
C462	50.00'	34.44'	39°28'05"	N69°35'34"W	33.77'
C463	50.00'	0.66'	0°45'13"	N49°28'55"W	0.66'
C464	25.00'	14.64'	33°33'26"	N65°53'01"W	14.43'
C465	100.00'	16.67'	9°33'09"	N77°53'10"W	16.65'
C466	1225.00'	239.09'	11°10'57"	S67°31'07"E	238.71'
C467	1225.00'	8.52'	0°23'55"	N72°54'38"W	8.52'
C468	1225.00'	40.04'	1°52'22"	N71°46'30"W	40.04'
C469	1225.00'	40.00'	1°52'16"	N69°54'11"W	40.00'
C470	1225.00'	40.01'	1°52'17"	N68°01'55"W	40.01'
C471	1225.00'	40.06'	1°52'26"	N66°09'33"W	40.06'
C472	1225.00'	40.16'	1°52'42"	N64°16'59"W	40.16'
C473	1225.00'	30.29'	1°25'00"	N62°38'08"W	30.29'
C474	1175.00'	303.59'	14°48'14"	N69°19'46"W	302.75'
C475	1175.00'	10.00'	0°29'15"	N62°10'16"W	10.00'
C476	1175.00'	40.22'	1°57'40"	N63°23'43"W	40.22'
C477	1175.00'	40.10'	1°57'19"	N65°21'13"W	40.10'
C478	1175.00'	40.03'	1°57'06"	N67°18'26"W	40.02'
C479	1175.00'	40.00'	1°57'02"	N69°15'30"W	40.00'
C480	1175.00'	40.02'	1°57'06"	N71°12'34"W	40.02'
C481	1175.00'	40.09'	1°57'18"	N73°09'46"W	40.09'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C482	1175.00'	40.21'	1°57'38"	N75°07'14"W	40.21'
C483	1175.00'	12.93'	0°37'50"	N76°24'58"W	12.93'
C484	1225.00'	239.09'	11°10'57"	S71°08'24"E	238.71'
C485	1225.00'	27.36'	1°16'47"	N76°05'30"W	27.36'
C486	1225.00'	40.17'	1°52'43"	N74°30'45"W	40.16'
C487	1225.00'	40.07'	1°52'27"	N72°38'10"W	40.07'
C488	1225.00'	40.01'	1°52'18"	N70°45'48"W	40.01'
C489	1225.00'	40.00'	1°52'16"	N68°53'31"W	40.00'
C490	1225.00'	40.03'	1°52'21"	N67°01'13"W	40.03'
C491	673.52'	11.44'	0°58'24"	N65°48'59"W	11.44'
C492	97.63'	16.65'	9°46'26"	N60°46'40"W	16.63'
C493	25.00'	14.64'	33°33'26"	N72°47'08"W	14.43'
C494	25.00'	5.94'	13°37'07"	N77°16'57"W	5.93'
C495	25.00'	2.39'	5°28'18"	N86°49'42"W	2.39'
C496	50.00'	117.14'	134°13'45"	S22°26'59"E	92.13'
C497	50.00'	33.08'	37°54'41"	N70°36'31"W	32.48'
C498	50.00'	30.18'	34°35'18"	S34°21'31"E	29.73'
C499	50.00'	30.18'	34°34'58"	N0°13'36"E	29.72'
C500	50.00'	23.69'	27°08'49"	N31°05'29"E	23.47'
C502	100.00'	16.65'	9°32'31"	S15°52'43"W	16.63'
C503	100.00'	1.80'	1°01'44"	N11°37'20"E	1.80'
C504	100.00'	14.86'	8°30'47"	N16°23'35"E	14.84'
C505	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C506	25.00'	23.18'	53°07'48"	N5°53'40"W	22.36'
C507	25.00'	16.09'	36°52'12"	N50°53'40"W	15.81'
C508	100.00'	95.67'	54°48'50"	S41°55'21"E	92.06'
C509	100.00'	7.84'	4°29'37"	N67°04'57"W	7.84'
C510	100.00'	43.01'	24°38'32"	N52°30'53"W	42.68'
C511	100.00'	43.01'	24°38'30"	N27°52'22"W	42.68'
C512	100.00'	1.81'	1°02'11"	N15°02'01"W	1.81'
C513	550.00'	587.53'	61°12'19"	S16°05'14"W	559.99'
C514	550.00'	58.32'	6°04'31"	N11°28'40"W	58.29'
C515	550.00'	58.89'	6°08'07"	N5°22'21"W	58.87'
C516	550.00'	48.65'	5°04'05"	N0°13'45"E	48.63'
C517	550.00'	48.65'	5°04'05"	N5°17'50"E	48.63'
C518	550.00'	48.65'	5°04'05"	N10°21'55"E	48.63'
C519	375.00'	22.78'	3°28'51"	S2°01'56"W	22.78'
C520	550.00'	48.65'	5°04'05"	N15°26'01"E	48.63'
C521	375.00'	61.46'	9°23'25"	S8°28'05"W	61.39'
C522	550.00'	48.65'	5°04'05"	N20°30'06"E	48.63'
C523	375.00'	61.53'	9°24'02"	S17°51'48"W	61.46'
C524	550.00'	48.65'	5°04'05"	N25°34'11"E	48.63'
C525	375.00'	61.53'	9°24'06"	S27°15'52"W	61.46'
C526	550.00'	48.65'	5°04'05"	N30°38'16"E	48.63'
C527	375.00'	61.48'	9°23'36"	S36°39'43"W	61.41'
C528	550.00'	48.65'	5°04'05"	N35°42'21"E	48.63'
C529	375.00'	34.89'	5°19'53"	S44°01'27"W	34.88'
C530	550.00'	48.65'	5°04'05"	N40°46'27"E	48.63'
C531	550.00'	32.46'	3°22'54"	N44°59'56"E	32.46'
C532	100.00'	119.97'	68°44'09"	S81°03'28"W	112.90'
C533	100.00'	27.54'	15°46'35"	N54°34'41"E	27.45'
C534	100.00'	43.01'	24°38'30"	N74°47'14"E	42.68'
C535	2465.02'	27.69'	0°38'37"	N61°26'47"W	27.69'
C536	100.00'	43.01'	24°38'30"	S80°34'16"E	42.68'
C537	2465.00'	106.52'	2°28'34"	N63°00'22"W	106.52'
C538	100.00'	6.42'	3°40'34"	S66°24'44"E	6.41'
C539	2586.00'	1134.56'	25°08'15"	S77°08'35"E	1125.48'
C540	2586.00'	43.78'	0°58'12"	S65°03'33"E	43.78'
C541	2465.00'	55.93'	1°18'00"	N64°53'39"W	55.93'
C542	2586.00'	52.12'	1°09'17"	S66°07'18"E	52.12'
C543	2465.06'	49.68'	1°09'17"	N66°07'18"W	49.68'
C544	2586.00'	52.12'	1°09'17"	S67°16'35"E	52.12'
C545	2465.00'	49.68'	1°09'17"	N67°16'35"W	49.68'
C546	2586.00'	52.12'	1°09'17"	S68°25'52"E	52.12'
C547	2465.00'	49.68'	1°09'17"	N68°25'52"W	49.68'
C548	2586.00'	52.12'	1°09'17"	S69°35'09"E	52.12'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C549	2465.00'	49.68'	1°09'17"	N69°35'09"W	49.68'
C550	2586.00'	52.12'	1°09'17"	S70°44'26"E	52.12'
C551	2465.00'	49.68'	1°09'17"	N70°44'26"W	49.68'
C552	2586.00'	52.12'	1°09'17"	S71°53'43"E	52.12'
C553	2465.00'	49.68'	1°09'17"	N71°53'43"W	49.68'
C554	2586.00'	52.12'	1°09'17"	S73°03'00"E	52.12'
C555	2465.00'	49.68'	1°09'17"	N73°03'00"W	49.68'
C556	2586.00'	52.12'	1°09'17"	S74°12'17"E	52.12'
C557	2465.00'	49.68'	1°09'17"	N74°12'17"W	49.68'
C558	2586.00'	52.12'	1°09'17"	S75°21'34"E	52.12'
C559	2465.00'	49.68'	1°09'17"	N75°21'34"W	49.68'
C560	2586.00'	52.12'	1°09'17"	S76°30'51"E	52.12'
C561	2465.00'	49.68'	1°09'17"	N76°30'51"W	49.68'
C562	2586.00'	57.33'	1°16'13"	S77°43'35"E	57.33'
C563	2465.00'	54.64'	1°16'13"	N77°43'35"W	54.64'
C564	2586.00'	57.33'	1°16'13"	S78°59'48"E	57.33'
C565	2465.00'	54.64'	1°16'13"	N78°59'48"W	54.64'
C566	2586.00'	57.33'	1°16'13"	S80°16'00"E	57.33'
C567	2465.00'	54.64'	1°16'13"	N80°16'00"W	54.64'
C568	2586.00'	57.33'	1°16'13"	S81°32'13"E	57.33'
C569	2465.00'	54.64'	1°16'13"	N81°32'13"W	54.64'
C570	2586.00'	57.33'	1°16'13"	S82°48'25"E	57.33'
C571	2465.00'	54.64'	1°16'13"	N82°48'25"W	54.64'
C572	2586.00'	57.33'	1°16'13"	S84°04'38"E	57.33'
C573	2465.00'	54.64'	1°16'13"	N84°04'38"W	54.64'
C574	2586.00'	57.33'	1°16'13"	S85°20'50"E	57.33'
C575	2465.00'	54.64'	1°16'13"	N85°20'50"W	54.64'
C576	2586.00'	57.33'	1°16'13"	S86°37'03"E	57.33'
C577	2465.00'	54.64'	1°16'13"	N86°37'03"W	54.64'
C578	2586.00'	57.33'	1°16'13"	S87°53'16"E	57.33'
C579	2465.00'	54.64'	1°16'13"	N87°53'16"W	54.64'
C580	1085.93'	53.66'	2°49'53"	S89°19'21"E	53.66'
C581	2464.96'	51.15'	1°11'20"	N89°07'02"W	51.15'
C582	100.00'	163.18'	93°29'39"	N42°57'52"W	145.67'
C583	100.00'	44.80'	25°40'06"	S76°52'39"E	44.43'
C584	220.00'	88.10'	22°56'39"	S78°14'23"E	87.51'
C585	100.00'	47.13'	27°00'16"	S50°32'28"E	46.70'
C586	220.00'	107.62'	28°01'39"	N52°45'14"W	106.55'
C587	100.00'	47.13'	27°00'16"	S23°32'12"E	46.70'
C588	220.00'	109.04'	28°23'53"	N24°32'28"W	107.93'
C589	100.00'	24.12'	13°49'01"	S3°07'33"E	24.06'
C590	220.00'	53.82'	14°01'01"	N3°20'01"W	53.69'
C591	1013.00'	26.47'	1°29'50"	S4°31'52"W	26.47'
C592	1145.00'	32.07'	1°36'17"	N4°28'39"E	32.07'
C593	1013.00'	54.19'	3°03'54"	S6°48'44"W	54.18'
C594	1145.00'	61.25'	3°03'54"	N6°48'44"E	61.24'
C595	1013.00'	54.19'	3°03'54"	S9°52'38"W	54.18'
C596	1145.00'	61.25'	3°03'54"	N9°52'38"E	61.24'
C597	1013.00'	54.19'	3°03'54"	S12°56'31"W	54.18'
C598	1145.00'	61.25'	3°03'54"	N12°56'31"E	61.24'
C599	1013.00'	54.19'	3°03'54"	S16°00'25"W	54.18'
C600	1145.00'	61.25'	3°03'54"	N16°00'25"E	61.24'
C601	1013.00'	54.19'	3°03'54"	S19°04'19"W	54.18'
C602	1145.00'	61.25'	3°03'54"	N19°04'19"E	61.24'
C603	1013.00'	1.17'	0°03'59"	S20°38'15"W	1.17'
C604	1145.00'	1.33'	0°03'59"	N20°38'15"E	1.33'
C605	25.00'	10.29'	23°34'41"	S8°52'54"W	10.22'
C606	25.00'	28.98'	66°25'19"	S36°07'06"E	27.39'
C607	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C608	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C609	25.00'	23.18'	53°07'48"	N5°53'40"W	22.36'
C610	25.00'	16.09'	36°52'12"	N50°53'40"W	15.81'
C611	25.00'	39.27'	90°00'00"	S65°40'14"W	35.36'
C612	25.00'	10.29'	23°34'41"	N81°07'06"W	10.22'
C613	25.00'	28.98'	66°25'19"	S53°52'54"W	27.39'
C614	35.00'	54.98'	90°00'00"	S24°19'46"E	49.50'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C615	35.00'	54.98'	90°00'00"	S65°40'14"W	49.50'
C616	25.00'	41.26'	94°34'06"	S26°36'49"E	36.74'
C617	25.00'	27.78'	63°40'28"	S11°10'00"E	26.38'
C618	25.00'	13.48'	30°53'38"	S58°27'03"E	13.32'
C619	1025.00'	207.34'	11°35'24"	N68°06'10"W	206.99'
C620	1025.00'	26.98'	1°30'30"	S73°08'37"E	26.98'
C621	1025.00'	40.03'	2°14'14"	S71°16'15"E	40.02'
C622	1025.00'	40.00'	2°14'10"	S69°02'02"E	40.00'
C623	1025.00'	40.04'	2°14'18"	S66°47'49"E	40.04'
C624	1025.00'	40.14'	2°14'38"	S64°33'21"E	40.14'
C625	1025.00'	20.15'	1°07'34"	S62°52'15"E	20.15'
C626	975.00'	245.80'	14°26'40"	S69°31'48"E	245.15'
C627	975.00'	20.11'	1°10'54"	S62°53'55"E	20.11'
C628	975.00'	40.14'	2°21'31"	S64°40'07"E	40.13'
C629	975.00'	40.04'	2°21'10"	S67°01'27"E	40.03'
C630	975.00'	40.00'	2°21'03"	S69°22'34"E	40.00'
C631	975.00'	40.04'	2°21'10"	S71°43'40"E	40.04'
C632	975.00'	40.14'	2°21'32"	S74°05'01"E	40.14'
C633	975.00'	25.34'	1°29'21"	S76°00'27"E	25.34'
C634	100.00'	26.45'	15°09'15"	N69°10'30"W	26.37'
C635	100.00'	14.87'	8°31'09"	S72°28'34"E	14.85'
C636	100.00'	11.58'	6°38'06"	S64°54'56"E	11.57'
C637	25.00'	14.64'	33°33'26"	S78°22'36"E	14.43'
C638	50.00'	117.14'	134°13'45"	N28°02'27"W	92.13'
C639	50.00'	14.93'	17°06'41"	S86°35'59"E	14.88'
C640	50.00'	32.03'	36°42'11"	S59°41'33"E	31.48'
C641	165.00'	79.98'	27°46'21"	N55°26'35"W	79.20'
C642	50.00'	30.18'	34°35'11"	S24°02'52"E	29.73'
C643	165.00'	105.71'	36°42'32"	N23°12'09"W	103.92'
C644	50.00'	32.30'	37°01'01"	S11°45'14"W	31.74'
C645	165.00'	73.49'	25°31'07"	N7°54'41"E	72.88'
C646	50.00'	7.69'	8°48'41"	S34°40'05"W	7.68'
C647	25.00'	14.64'	33°33'26"	S22°17'43"W	14.43'
C648	100.00'	26.45'	15°09'15"	N13°05'37"E	26.37'
C649	100.00'	18.42'	10°33'08"	S10°47'33"W	18.39'
C650	100.00'	8.03'	4°36'07"	S18°22'11"W	8.03'
C651	25.00'	16.08'	36°51'48"	S21°42'20"W	15.81'
C652	25.00'	23.19'	53°08'12"	S42°45'40"E	22.36'
C653	50.00'	75.24'	86°13'10"	N63°46'49"E	68.34'
C654	50.00'	39.77'	45°34'23"	N43°27'26"E	38.73'
C655	50.00'	35.47'	40°38'47"	N86°34'01"E	34.73'
C656	1175.00'	229.33'	11°10'57"	S67°31'07"E	228.96'
C657	1175.00'	8.31'	0°24'19"	S72°54'26"E	8.31'
C658	1175.00'	40.04'	1°57'08"	S71°43'42"E	40.04'
C659	1175.00'	40.00'	1°57'02"	S69°46'37"E	40.00'
C660	1175.00'	40.02'	1°57'05"	S67°49'33"E	40.01'
C661	1175.00'	40.07'	1°57'15"	N65°52'24"W	40.07'
C662	1175.00'	40.18'	1°57'34"	N63°54'59"W	40.18'
C663	1175.00'	20.70'	1°00'34"	N62°25'56"W	20.70'
C664	1225.00'	316.51'	14°48'14"	N69°19'46"W	315.63'
C665	1225.00'	19.59'	0°54'59"	N62°23'08"W	19.59'
C666	1225.00'	40.19'	1°52'47"	N63°47'01"W	40.19'
C667	1225.00'	40.08'	1°52'29"	N65°39'39"W	40.08'
C668	1225.00'	40.02'	1°52'19"	N67°32'03"W	40.02'
C669	1225.00'	40.00'	1°52'15"	N69°24'20"W	40.00'
C670	1225.00'	40.02'	1°52'19"	N71°16'38"W	40.02'
C671	1225.00'	40.09'	1°52'30"	N73°09'03"W	40.09'
C672	1225.00'	40.20'	1°52'49"	N75°01'42"W	40.20'
C673	1225.00'	16.31'	0°45'46"	N76°21'00"W	16.31'
C674	1175.00'	229.33'	11°10'57"	S71°08'24"E	228.96'
C675	1175.00'	23.98'	1°10'10"	N76°08'48"W	23.98'
C676	1175.00'	40.17'	1°57'32"	N74°34'57"W	40.17'
C677	1175.00'	40.07'	1°57'14"	N72°37'34"W	40.07'
C678	1175.00'	40.01'	1°57'04"	S70°40'25"E	40.01'
C679	1175.00'	40.00'	1°57'03"	S68°43'22"E	40.00'
C680	1175.00'	40.04'	1°57'09"	S68°46'16"E	40.04'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C681	1174.99'	5.05'	0°14'46"	S65°40'19"E	5.05'
C682	50.00'	75.22'	86°11'54"	S22°26'59"E	68.33'
C683	50.00'	40.27'	46°08'50"	S42°28'31"E	39.19'
C684	50.00'	34.95'	40°03'04"	S0°37'26"W	34.24'
C685	50.00'	85.02'	97°25'22"	N28°02'27"W	75.14'
C686	1175.00'	40.02'	1°57'05"	S67°49'33"E	40.01'
C686	50.00'	39.77'	45°34'23"	N2°06'57"W	38.73'
C687	50.00'	43.78'	50°09'58"	N49°59'08"W	42.39'
C688	50.00'	1.47'	1°41'01"	N75°54'37"W	1.47'
C689	1025.00'	258.41'	14°26'40"	S69°31'48"E	257.72'
C690	1025.00'	38.78'	2°10'04"	N75°40'06"W	38.78'
C691	1145.00'	61.25'	3°03'54"	N16°00'25"E	61.24'
C691	1025.00'	40.11'	2°14'31"	S73°27'49"E	40.10'
C692	1025.00'	40.02'	2°14'14"	N71°13'26"W	40.02'
C693	1025.00'	40.00'	2°14'10"	S68°59'14"E	40.00'
C694	1025.00'	40.04'	2°14'18"	S66°45'00"E	40.04'
C695	1025.00'	40.14'	2°14'38"	S64°30'32"E	40.14'
C696	1025.00'	19.30'	1°04'45"	S62°50'50"E	19.30'
C697	975.00'	236.28'	13°53'07"	N69°15'01"W	235.71'
C698	975.00'	20.95'	1°13'52"	S62°55'24"E	20.95'
C699	975.00'	40.13'	2°21'30"	S64°43'05"E	40.13'
C700	975.00'	40.03'	2°21'09"	S67°04'25"E	40.03'
C701	975.00'	40.00'	2°21'03"	S69°25'31"E	40.00'
C702	975.00'	40.04'	2°21'10"	S71°46'37"E	40.04'
C703	975.00'	40.14'	2°21'33"	S74°07'59"E	40.14'
C704	975.00'	14.98'	0°52'49"	S75°45'10"E	14.98'
C705	1025.00'	260.09'	14°32'18"	S68°55'25"E	259.39'
C706	1025.00'	25.26'	1°24'43"	S75°29'13"E	25.26'
C707	1025.00'	40.12'	2°14'33"	S73°39'35"E	40.11'
C708	1025.00'	40.03'	2°14'15"	S71°25'11"E	40.03'
C709	1025.00'	40.00'	2°14'10"	S69°10'59"E	40.00'
C710	1025.00'	40.04'	2°14'17"	N66°56'45"W	40.03'
C711	1025.00'	40.13'	2°14'36"	N64°42'19"W	40.13'
C712	1025.00'	34.51'	1°55'44"	S62°37'08"E	34.51'
C713	575.00'	30.63'	3°03'08"	N63°10'50"W	30.63'
C714	575.00'	5.78'	0°34'32"	S61°56'32"E	5.78'
C715	575.00'	24.86'	2°28'36"	N63°28'07"W	24.85'
C716	25.00'	41.29'	94°37'21"	S67°58'55"W	36.75'
C717	25.00'	16.00'	36°39'34"	N83°02'12"W	15.72'
C718	25.00'	25.29'	57°57'47"	S49°39'08"W	24.23'
C719	25.00'	35.56'	81°30'11"	N69°55'09"E	32.64'
C720	25.00'	23.18'	53°07'48"	N84°06'20"E	22.36'
C721	25.00'	12.38'	28°22'23"	N43°21'14"E	12.25'
C722	275.00'	62.33'	12°59'12"	S35°39'39"W	62.20'
C723	275.00'	50.20'	10°27'29"	N34°23'47"E	50.13'
C724	199.70'	12.14'	3°28'56"	N40°53'23"E	12.14'
C725	220.37'	34.02'	8°50'40"	N37°49'23"E	33.98'
C726	25.00'	44.86'	102°49'17"	N17°55'07"W	39.08'
C727	25.00'	16.53'	37°53'21"	N14°32'50"E	16.23'
C728	25.00'	28.33'	64°55'55"	N36°51'48"W	26.84'
C729	50.00'	47.83'	54°48'50"	S41°55'21"E	46.03'
C730	500.00'	534.12'	61°12'19"	S16°05'14"W	509.08'
C731	582.32'	46.50'	4°34'30"	S11°51'04"E	46.49'
C732	519.82'	63.30'	6°58'39"	N5°29'28"W	63.26'
C733	500.00'	63.30'	7°15'12"	S1°41'37"W	63.26'
C734	500.00'	63.30'	7°15'12"	S8°56'49"W	63.26'
C735	500.00'	63.30'	7°15'12"	S16°12'01"W	63.26'
C736	500.00'	63.30'	7°15'12"	S23°27'14"W	63.26'
C737	500.00'	63.30'	7°15'12"	S30°42'26"W	63.26'
C738	500.00'	63.30'	7°15'12"	S37°57'38"W	63.26'
C739	500.00'	44.53'	5°06'09"	S44°08'19"W	44.51'
C740	50.00'	59.98'	68°44'09"	S81°03'28"W	56.45'
C741	50.00'	35.46'	40°37'57"	S87°00'22"W	34.72'
C742	50.00'	24.52'	28°06'12"	N78°37'33"W	24.28'
C743	2636.00'	189.88'	4°07'38"	N66°38'16"W	189.84'
C744	2642.00'	230.06'	4°59'21"	S66°33'29"E	229.98'

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C745	2642.00'	118.41'	2°34'04"	N65°20'51"W	118.40'
C746	2642.00'	111.65'	2°25'17"	S87°50'31"E	111.64'
C747	25.00'	43.82'	100°25'12"	N18°29'29"W	38.42'
C748	25.00'	17.61'	40°21'38"	N48°31'16"W	17.25'
C749	25.00'	26.21'	60°03'34"	S1°41'20"W	25.02'
C750	175.00'	45.73'	14°58'17"	S39°12'15"W	45.60'
C751	375.00'	400.59'	61°12'19"	S16°05'14"W	381.81'
C752	1018.87'	8.22'	0°27'45"	N46°03'42"E	8.22'
C753	375.00'	47.71'	7°17'21"	N41°47'20"E	47.68'
C754	375.00'	48.03'	7°20'19"	N34°28'30"E	48.00'
C755	375.00'	48.03'	7°20'19"	N27°08'11"E	48.00'
C756	375.00'	48.03'	7°20'19"	N19°47'52"E	48.00'
C757	375.00'	48.03'	7°20'19"	N12°27'33"E	48.00'
C758	375.00'	48.03'	7°20'19"	N5°07'14"E	48.00'
C759	375.00'	48.03'	7°20'19"	N2°13'05"W	48.00'
C760	375.00'	49.82'	7°36'42"	N9°41'36"W	49.78'
C761	375.00'	6.65'	1°00'59"	N14°00'26"W	6.65'
C762	100.00'	95.67'	54°48'50"	N41°55'21"W	92.06'
C763	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C764	25.00'	18.09'	36°52'12"	S39°06'20"W	15.81'
C765	25.00'	23.18'	53°07'48"	N84°06'20"E	22.36'
C766	50.00'	47.83'	54°48'50"	S41°55'21"E	46.03'
C767	325.00'	347.18'	61°12'19"	S16°05'14"W	330.90'
C768	325.00'	12.10'	2°07'57"	N13°26'57"W	12.10'
C769	325.00'	73.86'	13°01'15"	N5°52'21"W	73.70'
C770	325.00'	73.86'	13°01'15"	N7°08'53"E	73.70'
C771	325.00'	73.86'	13°01'15"	N20°10'08"E	73.70'
C772	325.00'	73.86'	13°01'15"	N33°11'22"E	73.70'
C773	325.00'	39.65'	6°59'24"	N43°11'42"E	39.62'
C774	225.00'	76.99'	19°36'19"	N36°53'14"E	76.61'
C775	225.00'	0.50'	0°07'40"	N46°37'33"E	0.50'
C776	225.00'	55.54'	14°08'37"	N39°29'25"E	55.40'
C777	225.00'	20.95'	5°20'01"	N29°45'06"E	20.94'
C778	25.00'	35.79'	82°02'03"	N68°06'07"E	32.81'
C779	2636.00'	165.04'	3°35'14"	S72°40'29"E	165.02'
C780	25.00'	39.89'	91°24'40"	N28°45'46"W	35.79'
C781	25.00'	39.60'	90°44'49"	S29°05'42"E	35.59'
C782	25.00'	0.29'	0°39'51"	S16°36'38"W	0.29'
C783	275.00'	17.89'	3°43'40"	S18°48'24"W	17.89'
C784	25.00'	38.02'	87°08'43"	S59°48'15"W	34.46'
C785	25.00'	21.31'	48°50'22"	S78°57'26"W	20.67'
C786	25.00'	16.71'	38°18'42"	S35°23'04"W	16.40'
C787	325.00'	25.18'	4°26'21"	S18°27'04"W	25.17'
C788	275.00'	103.11'	21°29'00"	S31°24'45"W	102.51'
C789	225.00'	36.20'	9°13'08"	S37°32'41"W	36.16'
C790	25.00'	42.74'	97°57'04"	S16°02'25"E	37.72'
C791	625.00'	36.67'	3°21'41"	S63°20'07"E	36.66'
C792	975.00'	187.47'	11

PHASE 2
CURVE TABLES
803-846

Parcel Curve Table

Curve #	Radius	Length	Delta	Chord Direction	Chord Length
C812	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C813	25.00'	16.09'	36°52'12"	N39°06'20"E	15.81'
C814	25.00'	23.18'	53°07'48"	S84°06'20"W	22.36'
C815	25.00'	39.27'	90°00'00"	S24°19'46"E	35.36'
C816	25.00'	23.18'	53°07'48"	N42°45'52"W	22.36'
C817	25.00'	16.09'	36°52'12"	S21°40'8"W	15.81'
C818	25.00'	39.27'	90°00'00"	S65°40'14"W	35.36'
C819	25.00'	16.09'	36°52'12"	N87°45'52"W	15.81'
C820	25.00'	23.18'	53°07'48"	S47°14'08"W	22.36'
C821	25.00'	39.27'	90°00'00"	S24°19'46"E	35.36'
C822	25.00'	23.18'	53°07'48"	S5°53'40"E	22.36'
C823	25.00'	16.09'	36°52'12"	S50°53'40"E	15.81'
C824	25.00'	39.27'	90°00'00"	N65°40'14"E	35.36'
C825	25.00'	16.09'	36°52'12"	S87°45'52"E	15.81'
C826	25.00'	23.18'	53°07'48"	N47°14'08"E	22.36'
C827	25.00'	39.27'	90°00'00"	N24°19'46"W	35.36'
C828	25.00'	23.18'	53°07'48"	N5°53'40"W	22.36'
C829	25.00'	16.09'	36°52'12"	N50°53'40"W	15.81'
C830	25.00'	40.53'	92°52'56"	N64°13'46"E	36.23'
C833	963.00'	235.41'	14°00'22"	N10°47'08"E	234.82'
C834	963.00'	43.78'	2°36'16"	N16°29'10"E	43.77'
C835	963.00'	61.74'	3°40'24"	N13°20'50"E	61.73'
C836	963.00'	69.87'	4°09'25"	N9°25'55"E	69.85'
C837	963.00'	60.02'	3°34'16"	N5°34'05"E	60.01'
C838	50.00'	81.59'	93°29'39"	N42°57'52"W	72.83'
C839	151152.80'	116.30'	0°02'39"	N89°42'42"W	116.30'
C840	2636.00'	11.38'	0°14'50"	N89°35'17"W	11.38'
C841	25.00'	34.28'	78°34'07"	S51°15'05"W	31.66'
C842	225.00'	34.20'	8°42'36"	S16°19'19"W	34.17'
C846	1013.00'	298.59'	16°53'17"	N12°13'36"E	297.51'
C864	1025.00'	103.34'	5°46'36"	S5°54'22"W	103.30'

Parcel Area Table		
Lot No.	Block No.	Area (sf)
2	1	6225.4011 sf
3	1	6225.4011 sf
4	1	6225.4011 sf
5	1	6225.4008 sf
6	1	6261.5304 sf
7	1	8731.4715 sf
8	1	10387.8149 sf
9	1	7441.7325 sf
10	1	6244.7259 sf
11	1	6000.0000 sf
12	1	6000.0000 sf
13	1	6000.0000 sf
14	1	5949.7888 sf
15	1	5814.4283 sf
16	1	5662.1701 sf
17	1	5527.5195 sf
18	1	5660.2473 sf
19	1	9354.8517 sf
20	1	10453.3760 sf
21	1	5996.7320 sf
22	1	5993.6561 sf
23	1	6479.5735 sf
24	1	6234.0553 sf
25	1	6075.8422 sf
26	1	5523.0065 sf
27	1	5648.7954 sf
29	1	6257.3618 sf
30	1	7127.9901 sf
31	1	7249.1619 sf
32	1	6551.5070 sf
33	1	6381.7563 sf
34	1	6085.5391 sf
35	1	6338.4777 sf
36	1	6116.9035 sf
37	1	6058.3453 sf
38	1	5584.4045 sf
	1	
	1	
	1	

Parcel Area Table		
Lot No.	Block No.	Area (sf)
9	3	6599.9998 sf
10	3	6580.2397 sf
11	3	6000.0000 sf
12	3	6000.0000 sf
13	3	6000.0000 sf
14	3	6000.0000 sf
15	3	6000.0000 sf
16	3	6000.0000 sf
17	3	6000.0000 sf
18	3	7088.8387 sf
TRACT D	3	4625.1114 sf
TRACT E	3	9808.1846 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
9	4	6000.0000 sf
1	4	6928.4401 sf
3	4	6802.5960 sf
4	4	6000.0000 sf
5	4	6000.0000 sf
6	4	6000.0000 sf
7	4	6000.0000 sf
8	4	6000.0000 sf
10	4	6000.0000 sf
11	4	6525.3671 sf
12	4	6545.1276 sf
13	4	6000.0000 sf
14	4	6000.0001 sf
15	4	6000.0001 sf
16	4	6000.0001 sf
17	4	6000.0001 sf
18	4	6000.0001 sf
19	4	6000.0000 sf
20	4	5999.9997 sf
21	4	6251.4821 sf
22	4	6602.6139 sf
23	4	7767.9212 sf
TRACT F	4	4625.1402 sf
TRACT G	4	2070.3550 sf
	4	

Parcel Area Table		
Lot No.	Block No.	Area (sf)
8	6	4909.8255 sf
9	6	5022.5409 sf
10	6	5113.5095 sf
11	6	4891.5292 sf
12	6	4706.4245 sf
13	6	4554.2555 sf
14	6	4447.7232 sf
15	6	4403.8729 sf
16	6	4422.5031 sf
17	6	4503.6993 sf
18	6	4639.0916 sf
19	6	4750.3185 sf
20	6	4796.3189 sf
21	6	4786.6741 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	7	4790.5110 sf
2	7	4676.9172 sf
3	7	6894.9977 sf
4	7	7432.4037 sf
5	7	7136.6894 sf
6	7	4928.8538 sf
7	7	4703.0143 sf
8	7	4565.2658 sf
9	7	4550.1079 sf
10	7	4648.6818 sf
11	7	4754.9246 sf
12	7	4796.6632 sf
13	7	4772.7161 sf
14	7	4683.0692 sf
15	7	4567.0073 sf
16	7	4549.1093 sf
17	7	4653.5168 sf
18	7	4885.3185 sf
19	7	4872.2671 sf
20	7	5315.4001 sf
21	7	6541.9896 sf
22	7	4600.0000 sf
23	7	4600.0000 sf
24	7	4600.0000 sf
25	7	4600.0000 sf
26	7	4600.0000 sf
27	7	4933.7170 sf
28	7	5102.0542 sf
29	7	5071.4243 sf
30	7	4819.0720 sf
31	7	4801.3069 sf
32	7	5074.2187 sf
33	7	5472.1822 sf
34	7	5938.4016 sf
35	7	6547.1319 sf
36	7	7145.0511 sf
37	7	7569.2305 sf
38	7	6018.3098 sf
39	7	7431.3599 sf
40	7	9325.8850 sf
41	7	5248.6947 sf
42	7	4741.7663 sf
43	7	4597.8340 sf
44	7	4472.6839 sf
45	7	4410.3307 sf
46	7	4410.4876 sf
47	7	4473.1553 sf
48	7	4598.6221 sf
49	7	4786.1887 sf
50	7	4983.0726 sf
51	7	5118.2296 sf
52	7	5187.3023 sf
53	7	5190.6419 sf
54	7	5128.2655 sf
55	7	4994.6369 sf
HOA TRACT Q	7	9540.3894 sf
TRACT I	7	8351.5287 sf
TRACT J	7	123149.2812 sf
TRACT K	7	8518.7500 sf
TRACT L	7	3421.7077 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	8	5759.1714 sf
2	8	4600.0000 sf
3	8	4600.0000 sf
4	8	4600.0000 sf
5	8	4600.0000 sf
6	8	4600.0000 sf
7	8	5583.9763 sf
8	8	5783.1288 sf
9	8	5000.0000 sf
10	8	5000.0000 sf
11	8	5000.0000 sf
12	8	5000.0000 sf
13	8	5000.0000 sf
14	8	5981.5475 sf
TRACT O	8	2247.7022 sf
TRACT P	8	2752.1196 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	9	4401.5391 sf
2	9	4600.0000 sf
3	9	4600.0000 sf
4	9	4600.0000 sf
5	9	4600.0000 sf
6	9	4600.0000 sf
7	9	4606.1480 sf
8	9	6052.3019 sf
9	9	5755.3566 sf
10	9	6035.4580 sf
11	9	4999.8727 sf
12	9	5000.0000 sf
13	9	5000.0000 sf
14	9	5000.0000 sf
15	9	5000.0000 sf
16	9	5000.0000 sf
17	9	4939.1190 sf
TRACT M	9	3264.7632 sf
TRACT N	9	2751.6859 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	10	7253.1634 sf
2	10	7260.0000 sf
3	10	7260.0000 sf
4	10	7260.0000 sf
5	10	7260.0000 sf
6	10	7260.0000 sf
7	10	7260.0000 sf
8	10	7271.1297 sf
9	10	7618.8535 sf
10	10	7618.8535 sf
11	10	7618.8535 sf
12	10	7618.8535 sf
13	10	7618.8535 sf
14	10	9011.1646 sf
15	10	10252.2203 sf
16	10	9910.9702 sf
17	10	9271.1188 sf
18	10	6655.0000 sf
19	10	6649.5912 sf
20	10	6767.6109 sf
21	10	6774.2988 sf
22	10	6774.2988 sf
23	10	6774.2988 sf
24	10	6774.2988 sf
25	10	6774.2988 sf
26	10	6774.2988 sf
27	10	6774.2988 sf
28	10	6774.2988 sf
29	10	6774.2988 sf
30	10	6158.6132 sf
31	10	6158.6132 sf
32	10	6158.6132 sf
33	10	6158.6132 sf
34	10	6158.6132 sf
35	10	6158.6132 sf
36		6158.6132 sf
37		6158.6132 sf
38		6158.6132 sf
39		6158.6133 sf
40		6422.0424 sf
41		9555.8099 sf
42		11212.3924 sf
43		7585.0176 sf
44		6000.0000 sf
45		6332.8161 sf
46		6701.6060 sf
47		7218.6508 sf
48		7741.0488 sf
49		7994.6665 sf
50		7963.5515 sf
51		7648.6595 sf
52		7084.7618 sf
53		6615.1138 sf
54		6462.6362 sf
55		6849.4153 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
56	10	6453.9967 sf
57	10	6696.4095 sf
58	10	11972.2533 sf
59	10	9448.4580 sf
60	10	6429.8135 sf
61	10	5997.8294 sf
62	10	5997.8294 sf
63	10	5997.8294 sf
64	10	5997.8294 sf
65	10	5997.8294 sf
66	10	5973.9235 sf
67	10	5738.9838 sf
68	10	5101.3189 sf
69	10	5106.7839 sf
70	10	5352.1721 sf
71	10	9977.9771 sf
72	10	11401.5433 sf
73	10	5953.8769 sf
74	10	4554.3038 sf
75	10	4442.0023 sf
76	10	4403.6427 sf
77	10	4417.5535 sf
78	10	4483.7793 sf
79	10	4602.5332 sf
80	10	4773.5980 sf
81	10	4957.9173 sf
82	10	5092.6159 sf
83	10	5172.4549 sf
84	10	5197.7139 sf
85	10	5168.4809 sf
86	10	5084.6541 sf
87	10	4945.9396 sf
88	10	4759.6063 sf
89	10	4592.0845 sf
90	10	4477.1621 sf
91	10	4414.7467 sf
92	10	4404.6373 sf
93	10	4446.8016 sf
94	10	4561.5284 sf
95	10	6138.7377 sf
96	10	8410.1344 sf
97	10	8291.4510 sf
98	10	4829.2737 sf
99	10	5492.7367 sf
HOA TRACT CC	10	43632.4912 sf
HOA TRACT W	10	15259.8642 sf
TRACT R	10	8921.3221 sf
TRACT V	10	1089.5627 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	11	7362.1154 sf
2	11	6600.0000 sf
3	11	6600.0000 sf
4	11	8765.1696 sf
5	11	7466.9022 sf
6	11	6562.7391 sf
7	11	6830.6474 sf
HOA TRACK GG	11	10411.4558 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	12	9735.6556 sf
2	12	8288.2137 sf
3	12	6576.0941 sf
4	12	6600.0000 sf
5	12	8839.4734 sf
TRACK HH	12	2011.5788 sf
TRACT II	12	2179.5595 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	13	7476.0941 sf
2	13	6600.0000 sf
3	13	6600.0000 sf
4	13	6600.0000 sf
5	13	6600.0000 sf
6	13	6600.0000 sf
7	13	6600.0000 sf
8	13	6600.0000 sf
9	13	7476.0941 sf
10	13	7476.0941 sf
11	13	6600.0000 sf
12	13	6600.0000 sf
13	13	6600.0000 sf
14	13	6600.0000 sf
15	13	6600.0000 sf
16	13	6600.0000 sf
17	13	6600.0000 sf
18	13	7476.0941 sf
TRACT DD	13	2179.5595 sf
TRACT EE	13	2179.5595 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	14	7253.1634 sf
2	14	6655.0000 sf
3	14	6655.0000 sf
4	14	6655.0000 sf
5	14	6655.0000 sf
6	14	6655.0000 sf
7	14	6655.0000 sf
8	14	6655.0000 sf
9	14	7236.0941 sf
TRACT BB	14	10340.4768 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	15	6016.9419 sf
2	15	6600.0000 sf
3	15	6000.0000 sf
4	15	6000.0000 sf
5	15	6000.0000 sf
6	15	6000.0000 sf
7	15	6000.0000 sf
8	15	6000.0000 sf
9	15	6000.0000 sf
10	15	6000.0000 sf
11	15	6600.0000 sf
12	15	6600.0000 sf
13	15	6600.0000 sf
14	15	6600.0000 sf
15	15	6600.0000 sf
16	15	6600.0000 sf
17	15	6600.0000 sf
18	15	6600.0000 sf
19	15	7211.1355 sf
HOA TRACT AA	15	68638.0689 sf
TRACT JJ	15	6059.3384 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
		5944.0576 sf
2	2	6000.0000 sf
3	2	6000.0000 sf
4	2	6000.0000 sf
5	2	6000.0000 sf
6	2	6000.0000 sf
7	2	6000.0000 sf
8	2	6000.0000 sf
9	2	5834.1888 sf
10	2	5999.9652 sf
11	2	6000.0000 sf
12	2	6000.0000 sf
13	2	6000.0000 sf
14	2	6000.0000 sf
15	2	6000.0000 sf
16	2	6000.0000 sf
17	2	6000.0000 sf
18	2	5779.4313 sf
TRACT B	2	3715.0706 sf
TRACT C	2	3028.5641 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	3	7203.3433 sf
2	3	5999.9994 sf
3	3	5999.9995 sf
4	3	5999.9995 sf
5	3	5999.9996 sf
6	3	5999.9997 sf
7	3	5999.9998 sf
8	3	5999.9999 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	5	6011.5797 sf
2	5	6012.5000 sf
3	5	6012.5000 sf
4	5	6012.5000 sf
5	5	6012.5000 sf
6	5	6057.9350 sf
7	5	6787.7727 sf
8	5	5843.5332 sf
9	5	6500.3734 sf
10	5	6624.3300 sf
11	5	6058.0597 sf
12	5	6000.0000 sf
13	5	6000.0000 sf
14	5	6000.0000 sf
15	5	6000.0000 sf
16	5	6000.0000 sf
17	5	6000.0000 sf
18	5	6000.0000 sf
19	5	6000.0000 sf
20	5	5998.5272 sf
TRACT H	5	94879.1754 sf

Parcel Area Table		
Lot No.	Block No.	Area (sf)
1	6	4790.6035 sf
2	6	4800.0000 sf
3	6	4909.3855 sf
4	6	4496.0037 sf
5	6	4412.8048 sf
6	6	4421.2373 sf
7	6	4833.1941 sf

PHASE 1 AREA TABLES
BLOCKS 1 - 9

FOR REFERENCE ONLY

ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

Designed: DMG	Drawn: DER	Checked: ALS	Sheet 11 of 11
Scale: as shown	Date: 10/23/2019	Job: A18026	

SHEET 14 of 30

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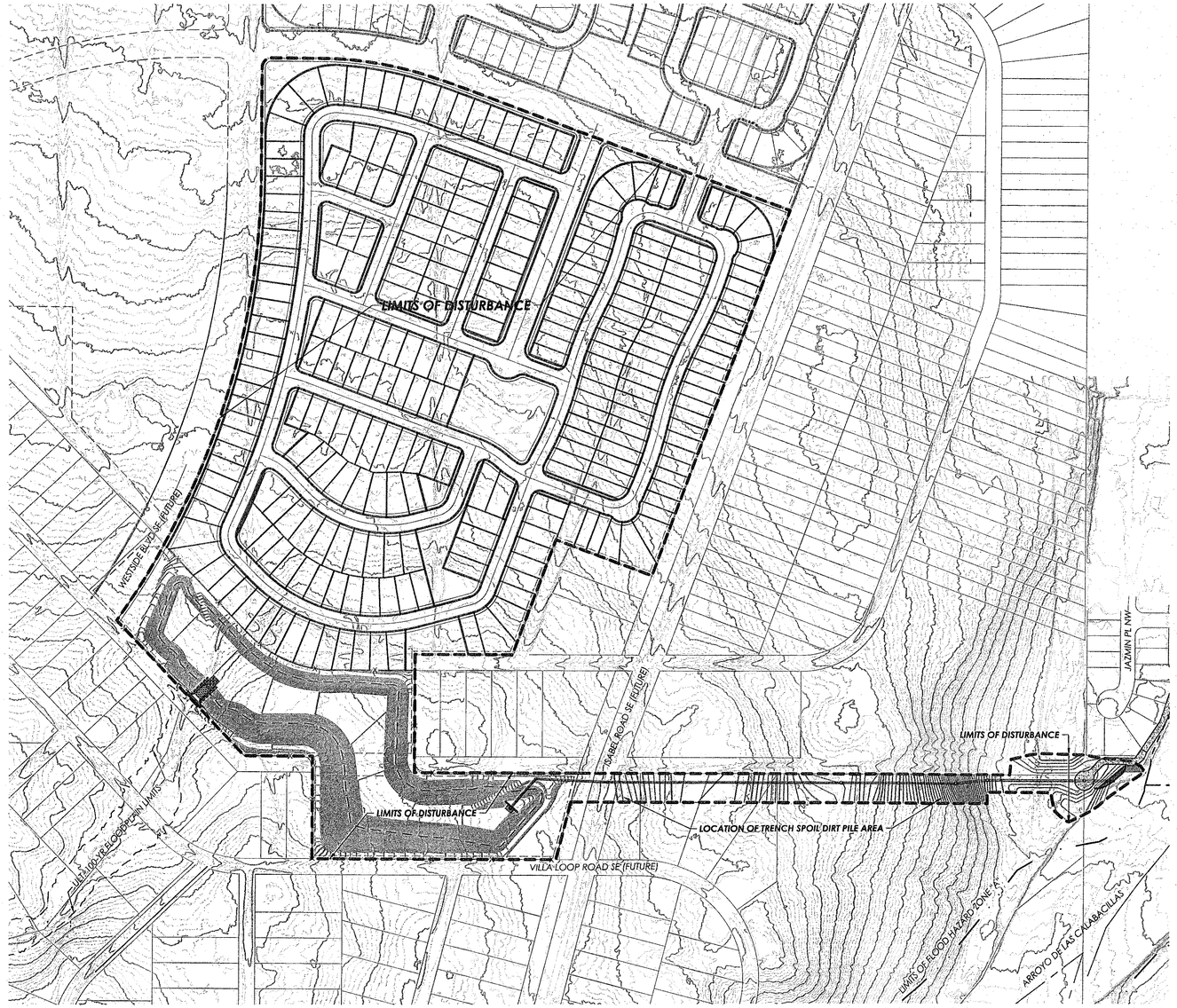
F:\A18JOBS ACAD 2019\A18026 Los Diamantes BP Entitlements\PLATS\PRELIMINARY PLATS\A18026_LD PLAT-9-25-19.dwg, Last saved by: Dwayne, 10/23/19

F:\A18JOBS ACAD 2019\A18026 Los Diamantes BP Entitlements\PLATS\PRELIMINARY PLATS\A18026_LD PLAT.dwg, 10/23/2019 10:33:14 PM, dwayne

RECORD DRAWINGS



N

200' 100' 0 200' 400'

SCALE: 1" = 200'

EROSION CONTROL NOTES:

1. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY IMPLEMENTING BEST MANAGEMENT PRACTICES (BMP'S) TO PROTECT THE SOIL FROM WIND, AND WATER EROSION.
2. DURING THE MONTHS OF JUNE, JULY, AUGUST OR SEPTEMBER, ANY GRADING WITHIN OR ADJACENT TO A WATERCOURSE DEFINED AS A MAJOR FACILITY (FEMA FLOODPLAIN) SHALL PROVIDE FOR EROSION CONTROL AND SAFE PASSAGE OF THE 100-YEAR DESIGN STORM RUNOFF DURING THE CONSTRUCTION PHASE.
3. CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS AND IS RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.
4. ALL GRADED AREAS WHICH DO NOT RECEIVE A FINAL SURFACE TREATMENT. WILL BE REVEGETATED IN ACCORDANCE WITH NEW MEXICO APWA STANDARD SPECIFICATION 1012 AND THE LANDSCAPE SPECIFICATIONS.
5. CONTRACTOR SHALL OBTAIN AND ABIDE BY A GRADING PERMIT FROM THE CITY OF RIO RANCHO.
6. STORMWATER POLLUTION PREVENTION PLANS AND ACCOMPANYING FEDERAL EPA ADMINISTRATIVE PROCEDURES SHALL MEET THE GUIDELINES AND PROCEDURES OUTLINED IN THE CURRENT EDITION OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STORMWATER MANAGEMENT GUIDELINES FOR CONSTRUCTION AND INDUSTRIAL ACTIVITIES MANUAL.
7. "LIMITS OF DISTURBANCE" LINE TO INCLUDE BUT IS NOT LIMITED TO: STOCKPILE AREA(S), BORROW AREA(S), STAGING AREA(S), SLOPE ENCROACHMENTS ON PRIVATE PROPERTY, AND ALL OTHER EARTH DISTURBANCE AREAS GENERATED BY THIS REGIONAL POND.

NOTE:
ALL POND SLOPES SHALL BE PROTECTED WITH GRAVEL MULCH PER APWA SPECIFICATION 1012. ALL DISTURBED AREAS SHALL BE SEEDED PER APWA 1012.

FOR REFERENCE ONLY

The Great Seal of the City of Rio Rancho, New Mexico 1981

City of Rio Rancho

REVISIONS (OR CHANGE NOTICES)

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90925
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

EROSION CONTROL PLAN

ENGINEER'S SEAL
CHRISTOPHER R. SMITH
NEW MEXICO
29459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
15 of 30

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RECORD DRAWINGS

CONSTRUCTION NOTES

① - CONSTRUCT CANTILEVER RETAINING WALL PER NMDOT DTL. 511-80.
- RETAINING WALL TOP OF FOOTER ELEVATION TO MATCH HEADWALL TOP OF FOOTER ELEVATION.
H = 6' 2", L = 18'
TW = 5495.33

NOTES

1. THE CONTRACTOR(S) MUST COMPLY WITH NPDES TEMPORARY CONSTRUCTION REQUIREMENTS AND OBTAIN A PERMIT. CONTRACTOR SHALL ALSO PROVIDE A COPY OF THE APPLICATION FOR PERMIT AND NOTICE OF TERMINATION TO THE OWNER.
2. THE CONTRACTOR(S) IS RESPONSIBLE FOR PREPARING AND MAINTAINING A SWPPP FOR THE DURATION OF INFRASTRUCTURE CONSTRUCTION AND UNTIL THE CITY OF RIO RANCHO ACCEPTS THE PUBLIC INFRASTRUCTURE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY OF THE SWPPP AT THE BEGINNING OF THE PROJECT AND AT THE TIME OF NOTICE OF TERMINATION.
3. THE CONTRACTOR(S) IS RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING EROSION CONTROLS FOR THE DURATION OF THE CONSTRUCTION OF THE PUBLIC INFRASTRUCTURE AND FOR THE REMOVAL OF THE EROSION CONTROLS WHERE DIRECTED TO DO SO BY THE OWNER AT THE TIME OF NOTICE OF TERMINATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND IS TO PROVIDE AN AS-BUILT SURVEY CERTIFIED BY A REGISTERED PROFESSIONAL SURVEYOR TO THE OWNER UPON COMPLETION OF THE CONSTRUCTION. THE EARTHWORK CONTRACTOR IS TO PROVIDE EARTHWORK SURVEY, AND THE WALL BUILDER IS TO PROVIDE WALL SURVEY.
5. EARTHWORK CONTRACTOR SHALL PREPARE ROUGH SUBGRADE FOR THE RETAINING WALL CONSTRUCTION AND PROVIDE SUFFICIENT BACKFILL MATERIAL STOCKPILED ON THE HIGH SIDE OF EACH WALL FOR THE WALL BUILDER TO COMPLETELY BACKFILL THE WALLS.
6. EARTHWORK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL EVALUATION REPORT
7. LINE ALL RIPRAP/WIRE-ENCLOSED RIPRAP WITH NON-WOVEN GEOTEXTILE.

NOTES:
1. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS BACK TO EXISTING GRADE WITH A SMOOTH SURFACE WHERE NO PROPOSED CONTOURS ARE SHOWN.
2. THE CONTRACTOR SHALL CONSTRUCT REINFORCED CONCRETE PIPE WITH TYPE 1 TRENCH INSTALLATION PER NMDOT DETAIL 206-01.
3. ALL POND SLOPE SLOPES SHALL BE PROTECTED WITH GRAVEL MULCH PER APWA SPECIFICATION 1012. ALL DISTURBED AREAS SHALL BE SEEDED PER APWA 1012.

N

50' 25' 0 50' 100'

SCALE: 1" = 50'

NOTES:
1. All construction equipment must maintain fifteen (15) feet vertical and horizontal clearance from all wires and structures within or near the PNM (REA) Easement.
2. All lighting masts/poles/attachments/fixtures and decorative (or shade) trees must not be more than fifteen (15) feet in height within or near the PNM (REA) Easement.
3. Barricades shall be installed for any PNM structures/equipment as needed during construction. PNM shall be contacted to coordinate installation of barricades. Costs and coordination are the responsibility of the contractor.
4. Contractor shall comply with all the National Electrical Safety Code clearance requirements for all construction near any power lines.
5. Contractor shall comply with any and all conditions within "PNM EASEMENT ENCROACHMENT AGREEMENT".

FUTURE WESTSIDE BLVD SE
MAINTENANCE ACCESS GATE PER SSCAFCA DETAIL ON SHEET 23
INSTALL 5 STRAND SMOOTH WIRE FENCE PER SSCAFCA STD. DRAWING ON SHEET 23
FUTURE ROW
MAINTENANCE ACCESS RAMP
CONSTUCT 3' SWALE ALONG THE TOE OF THE POND SLOPE AT RAMP INTERFACE PROPOSED SWALE TO BE LINED WITH 2-4" ANGULAR ROCK, 6" DEEP, ROCK TO BE APPROVED BY ENGINEER
50' REA EASEMENT
PROJECT BOUNDARY
INSTALL 81 S.Y. WIRE ENCLOSED ROCK RIPRAP WIDTH = 10' D50 = 12" DEPTH = 24"
INSTALL 113 S.Y. WIRE ENCLOSED ROCK RIPRAP D50 = 12" DEPTH = 24"
INSTALL 81 S.Y. WIRE ENCLOSED ROCK RIPRAP WIDTH = 10' D50 = 12" DEPTH = 24"
MAINTENANCE ACCESS GATE PER SSCAFCA DETAIL ON SHEET 23
INSTALL 65 S.Y. RIPRAP D50 = 6" 12" THICK
MAINTENANCE ACCESS ROAD SEE DETAIL SHEETS 23 & 24
BAFFLED CHUTE INLET SEE DETAIL SHEET 22
Q = 853 cfs
INSTALL 31 S.Y. RIPRAP D50 = 6" 12" THICK
ULT. 100-YR FLOODPLAIN
MAINTENANCE ACCESS GATE PER SSCAFCA DETAIL ON SHEET 23
EX. POWER POLES
INSTALL 375 S.Y. OF WIRE ENCLOSED RIPRAP D50 = 12" DEPTH = 24"
50' REA EASEMENT
MAINTENANCE ACCESS ROAD SEE DETAIL SHEETS 23 & 24
ULT. 100-YR FLOODPLAIN
PROJECT BOUNDARY
MAINTENANCE ACCESS ROAD SEE DETAIL SHEETS 23 & 24
PROJECT BOUNDARY
INSTALL 5 STRAND SMOOTH WIRE FENCE AROUND PERIMETER OF POND PER SSCAFCA STD. DRAWING ON SHEET 23
INSTALL 305 S.Y. WIRE ENCLOSED ROCK RIPRAP WIDTH = 10' D50 = 12" DEPTH = 24"
CONSTUCT 3' SWALE ALONG THE TOE OF THE POND SLOPE AT RAMP INTERFACE PROPOSED SWALE TO BE LINED WITH 2-4" ANGULAR ROCK, 6" DEEP, ROCK TO BE APPROVED BY ENGINEER
Sta. 19+15.10 S.D LINE "A" 6' DIA. MH TYPE E RIM ELEV. = 5508.00
5407.80
INSTALL 636 S.Y. OF WIRE ENCLOSED RIPRAP D50 = 12" DEPTH = 24"
MAINTENANCE ACCESS GATE PER SSCAFCA DETAIL ON SHEET 23
MAINTENANCE ACCESS RAMP
PROJECT BOUNDARY
EX. POWER POLES
48" R.C.P.
TOP OF WEIR ELEV. = 5506.25
Sta. 20+31.22 S.D. LINE "A" HEADWALL PER REVISED NMDOT DTL. 511-03 ON SHEET 25 PORTED RISER PER DTL ON SHEET 26
6.5' LINE EASEMENT
8'-10" GAS LINE
EX. 20" GAS LINE
INSTALL 5 STRAND SMOOTH WIRE FENCE AROUND PERIMETER OF POND PER SSCAFCA STD. DRAWING ON SHEET 23
MAINTENANCE ACCESS ROAD SEE DETAIL SHEETS 23 & 24
VILLA ROAD SE
6" SHOTCRETE WITH REBAR REINFORCEMENT #3 BARS @ 18" O.C.
TOP OF WEIR ELEV. = 5506.25
214' EMERGENCY SPILLWAY SEE DETAIL ON SHEET 24 WEIR ELEV. = 5506.25
2364 S.Y. OF D50 = 3" RIPRAP 6" THICK FILTER FABRIC CLASS I NON-WOVEN GEOTEXTILE

MATCHLINE - SEE SHEET 17

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS TO CONDUCT ALL THE NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

POND POINTS TABLE		
PT #	NORTHING	EASTING
1	1536819.76	1497624.24
2	1537232.48	1497675.37
3	1537662.96	1498035.75
4	1537857.03	1498245.34
5	1537799.87	1497848.17
6	1537152.44	1498053.10

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM, D'ERAMO-KURT NM, (HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. I ALSO CERTIFY THAT I HAVE PERSONALLY PREPARED OR SUPERVISED THE PREPARATION OF THE AS-BUILT GRADING INFORMATION SHOWN HEREON AND THAT THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 23170, OF SURVEYS SOUTHWEST, INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/6/24 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868

11/6/24
DATE

(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

LEGEND

- 6" STANDARD CURB & GUTTER
- 8" STANDARD CURB & GUTTER
- STANDARD MEDIAN CURB & GUTTER
- RETAINING WALLS THIS PROJECT
- EXISTING CONTOUR MAJOR — 5520 —
- EXISTING CONTOUR MINOR — 5520 —
- PROPOSED CONTOUR MAJOR — 5520 —
- PROPOSED CONTOUR MINOR — 5520 —
- PROPOSED 0.5% SLOPE 0.5%
- PROPOSED STORM DRAIN & MH
- PROPOSED STORM DRAIN & HEADWALL W/ PORTED RISER

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City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 92300, ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-8536

LOS DIAMANTES
OFF SITE REGIONAL POND

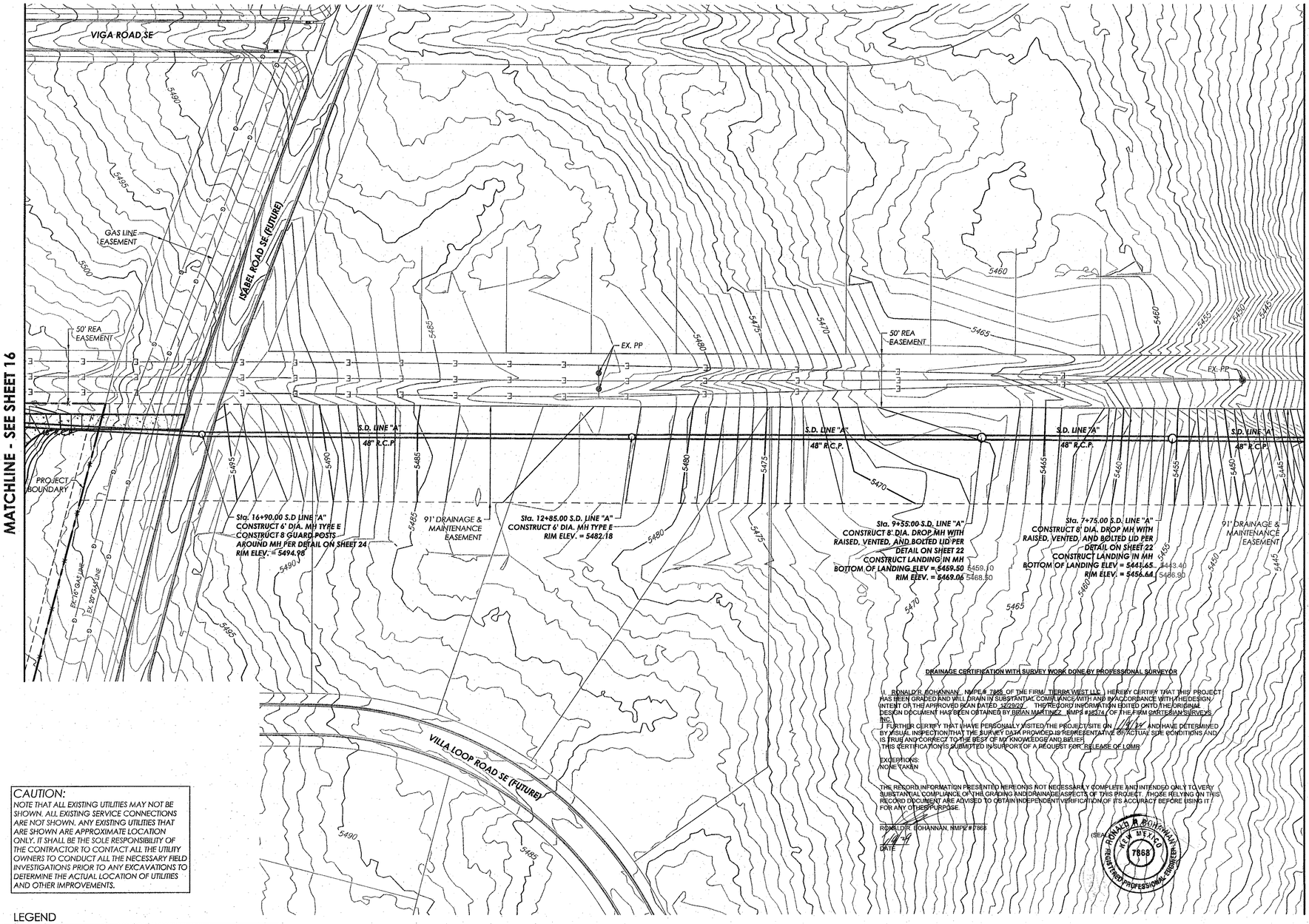
GRADING AND DRAINAGE PLAN

ENGINEER'S SEAL
CHRISTOPHER R. HUNTER
NEW MEXICO
28459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
16 of 30

RECORD DRAWINGS



N

50' 25' 0 50' 100'

SCALE: 1" = 50'

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM TIERRA WEST LLC, I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS #18374, OF THE FIRM SURTESIAN SURVEYS, INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 4/14/21 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 RELEASE OF LOMR.

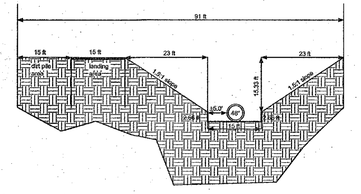
EXCEPTIONS:
NONE TAKEN

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.

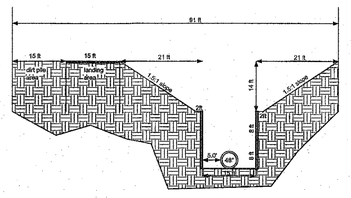
RONALD R. BOHANNAN, NMPE # 7868

10-4-21
DATE

(SEAL) RONALD R. BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



REGIONAL POND STORM DRAIN TRENCH - SUGGESTED TYPICAL DETAIL
(15 FOOT DEPTH)



REGIONAL POND STORM DRAIN TRENCH - SUGGESTED TYPICAL DETAIL
(20 FOOT DEPTH)

CONTRACTOR SHALL MEET OSHA AND ANY OTHER APPLICABLE SAFETY REQUIREMENTS.

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS TO CONDUCT ALL THE NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

LEGEND

- *6" STANDARD CURB & GUTTER*
- *8" STANDARD CURB & GUTTER*
- *STANDARD MEDIAN CURB & GUTTER*
- *RETAINING WALLS THIS PROJECT*
- *EXISTING CONTOUR MAJOR* — 5520 —
- *EXISTING CONTOUR MINOR* — 5520 —
- *PROPOSED CONTOUR MAJOR* — 5520 —
- *PROPOSED CONTOUR MINOR* — 5520 —
- *PROPOSED 0.5% SLOPE* 0.5%
- *PROPOSED STORM DRAIN & MH*
- *PROPOSED STORM DRAIN & HEADWALL*

NOTES:

1. *All construction equipment must maintain fifteen (15) feet vertical and horizontal clearance from all wires and structures within or near the PNM (REA) Easement.*
2. *All lighting masts/poles/attachments/fixtures and decorative (or shade) trees must not be more than fifteen (15) feet in height within or near the PNM (REA) Easement.*
3. *Barricades shall be installed for any PNM structures/equipment as needed during construction. PNM shall be contacted to coordinate installation of barricades. Costs and coordination are the responsibility of the contractor.*
4. *Contractor shall comply with all the National Electrical Safety Code clearance requirements for all construction near any power lines.*
5. *Contractor shall comply with any and all conditions within "PNM EASEMENT ENCROACHMENT AGREEMENT".*

ADDITIONAL NOTES:

1. *THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS BACK TO EXISTING GRADE WITH A SMOOTH SURFACE WHERE NO PROPOSED CONTOURS ARE SHOWN.*
2. *THE CONTRACTOR SHALL CONSTRUCT REINFORCED CONCRETE PIPE WITH TYPE 1 TRENCH INSTALLATION PER NMDOT DETAIL 206-01.*

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City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-8539

LOS DIAMANTES
OFF SITE REGIONAL POND

GRADING & DRAINAGE PLAN

ENGINEER'S SEAL

CHRISTOPHER R. SMITH NEW MEXICO 28459 PROFESSIONAL ENGINEER 12/29/2020

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
17 of 30

RECORD DRAWINGS

NOTES:

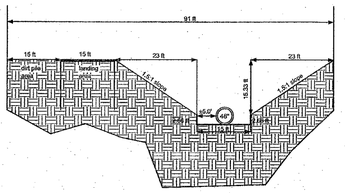
1. All construction equipment must maintain fifteen (15) feet vertical and horizontal clearance from all wires and structures within or near the PNM (REA) Easement.

2. All lighting masts/poles/attachments/fixtures and decorative (or shade) trees must not be more than fifteen (15) feet in height within or near the PNM (REA) Easement.

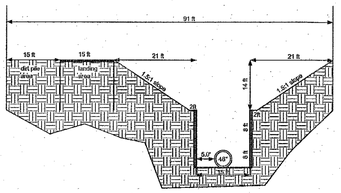
3. Barricades shall be installed for any PNM structures/equipment as needed during construction. PNM shall be contacted to coordinate installation of barricades. Costs and coordination are the responsibility of the contractor.

4. Contractor shall comply with all the National Electrical Safety Code clearance requirements for all construction near any power lines.

5. Contractor shall comply with any and all conditions within "PNM EASEMENT ENCROACHMENT AGREEMENT".



REGIONAL POND STORM DRAIN TRENCH - SUGGESTED TYPICAL DETAIL
(15 FOOT DEPTH)



REGIONAL POND STORM DRAIN TRENCH - SUGGESTED TYPICAL DETAIL
(20 FOOT DEPTH)

CONTRACTOR SHALL MEET OSHA AND ANY OTHER APPLICABLE SAFETY REQUIREMENTS.

NOTES:
1. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS BACK TO EXISTING GRADE WITH A SMOOTH SURFACE WHERE NO PROPOSED CONTOURS ARE SHOWN.
2. THE CONTRACTOR SHALL CONSTRUCT REINFORCED CONCRETE PIPE WITH TYPE 1 TRENCH INSTALLATION PER NMDOT DETAIL 206-01.
3. LARGE BOULDERS SHALL BE PLACED AT THE EDGE OF THE EASEMENT ALONG THE SEGMENT OF RAISED PIPE (Sta. 1+90 TO Sta. 4+95).

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS TO CONDUCT ALL THE NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

LEGEND

6" STANDARD CURB & GUTTER	
8" STANDARD CURB & GUTTER	
STANDARD MEDIAN CURB & GUTTER	
RETAINING WALLS THIS PROJECT	
EXISTING CONTOUR MAJOR	5520
EXISTING CONTOUR MINOR	5520
PROPOSED CONTOUR MAJOR	5520
PROPOSED CONTOUR MINOR	5520
PROPOSED 0.5% SLOPE	0.5%
PROPOSED STORM DRAIN & MH	
PROPOSED STORM DRAIN & IMPACT BASIN	
LIMITS OF FLOOD HAZARD ZONE A	
LIMITS OF FLOOD HAZARD ZONE AE	

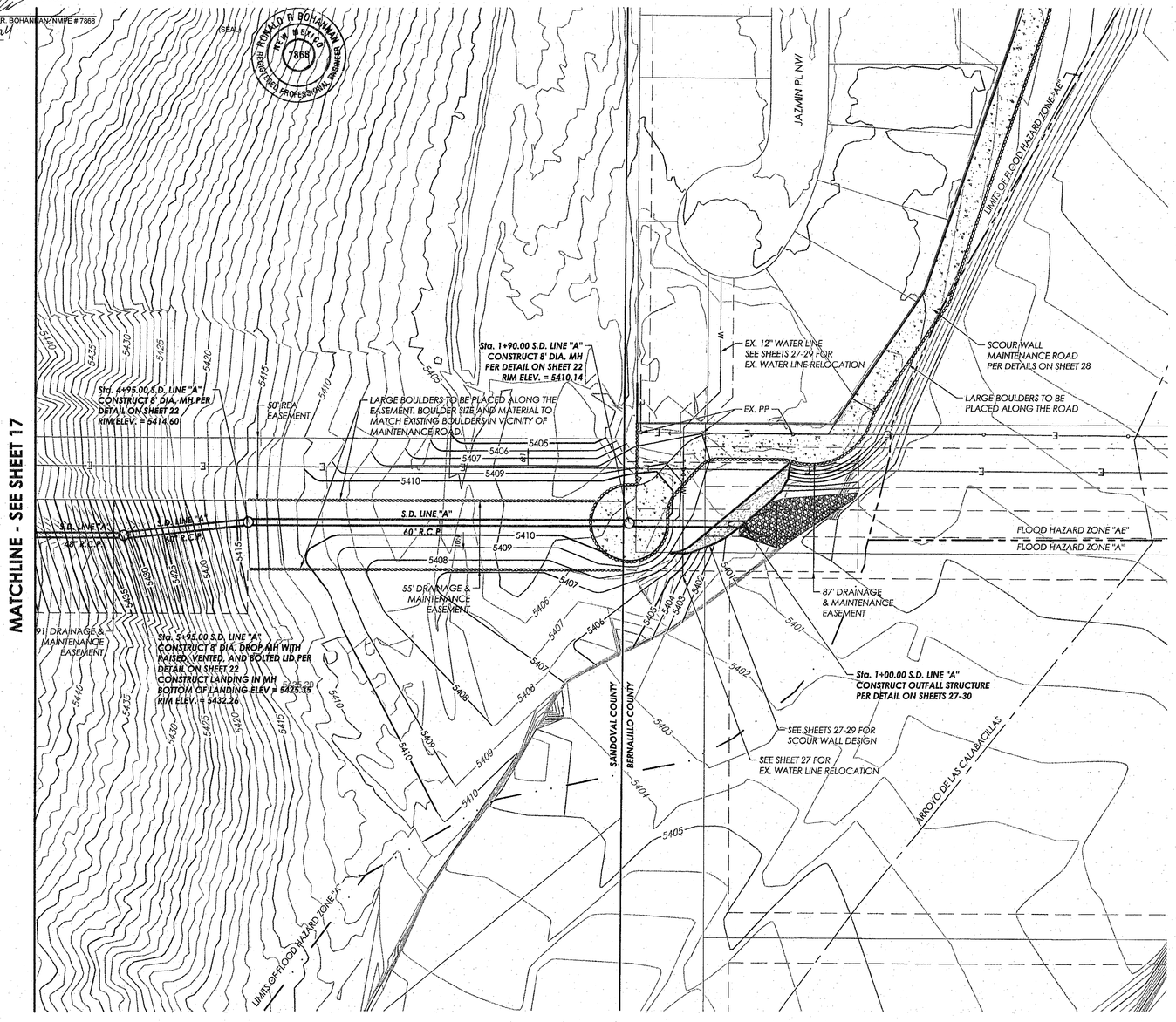
DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/2020. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868
SEAL
DATE 1/4/21



50' 25' 0 50' 100'
SCALE: 1" = 50'

City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-8539

LOS DIAMANTES
OFF SITE REGIONAL POND

GRADING & DRAINAGE PLAN

ENGINEER'S SEAL
CHRISTOPHER R. HITT
NEW MEXICO
23459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
18 of 30

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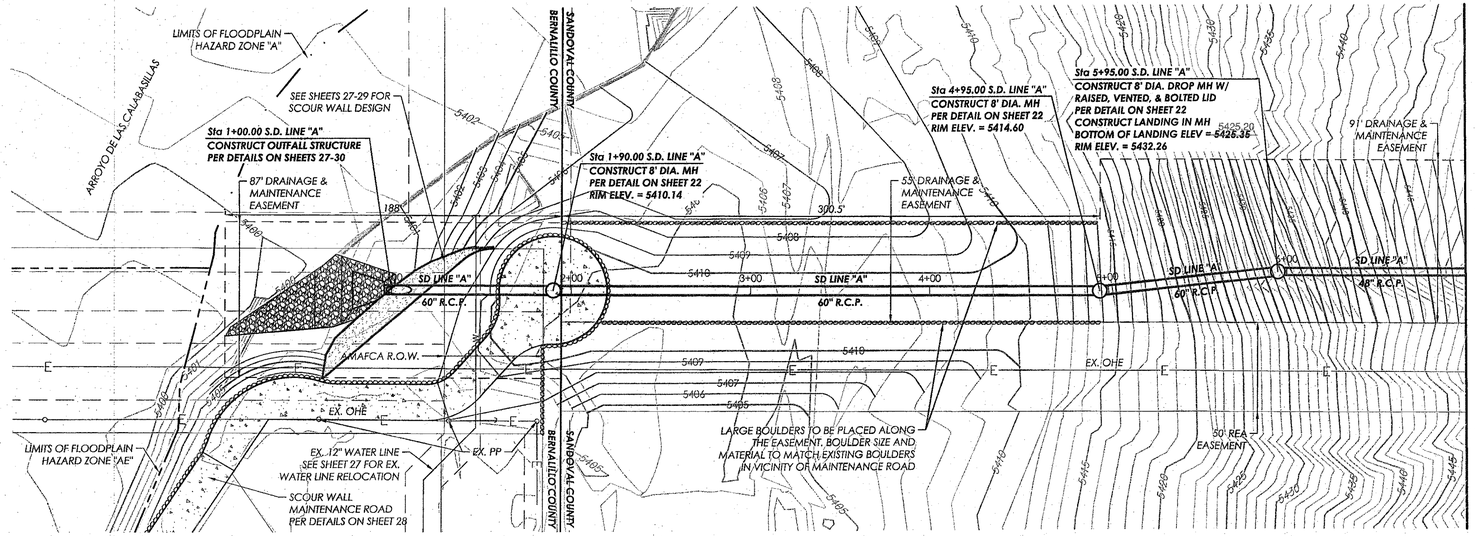
RECORD DRAWINGS

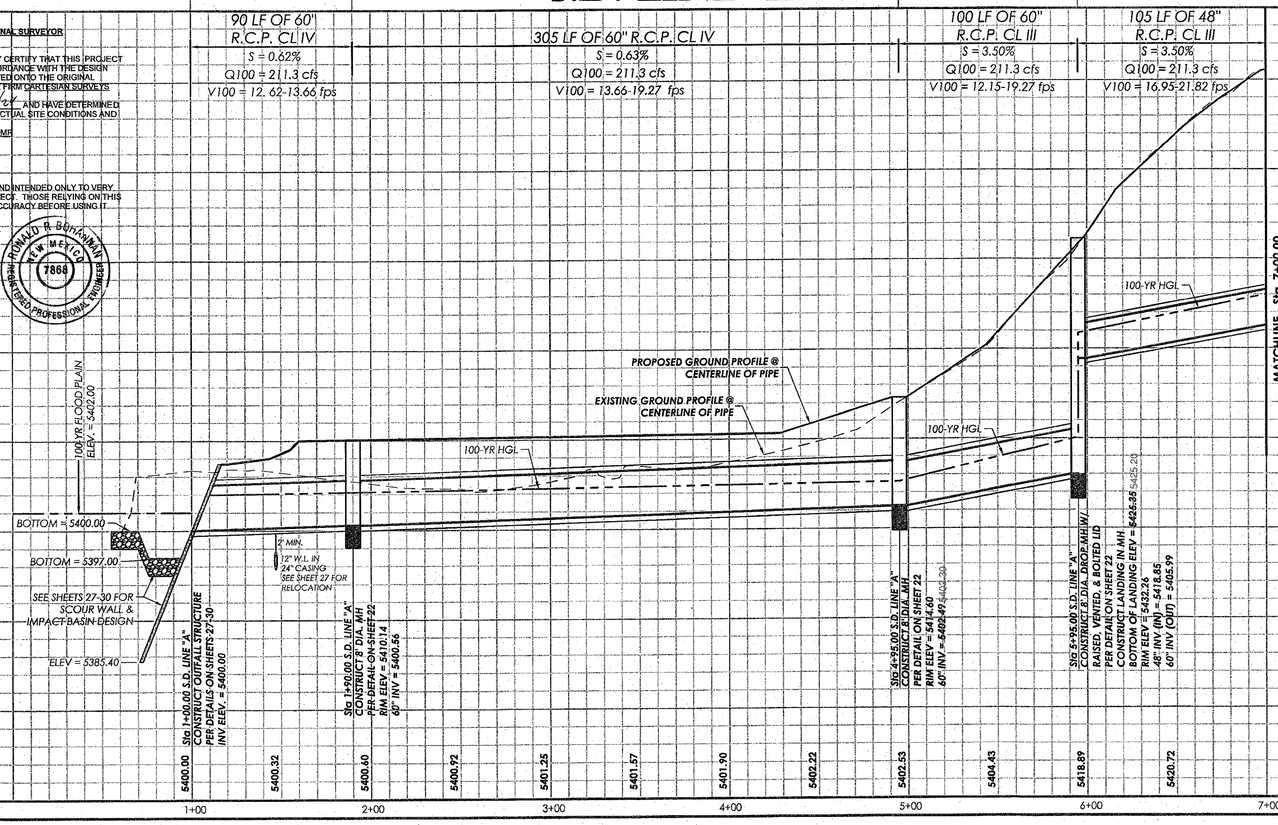


NOTES:
1. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS BACK TO EXISTING GRADE WITH A SMOOTH SURFACE WHERE NO PROPOSED CONTOURS ARE SHOWN.
2. THE CONTRACTOR SHALL CONSTRUCT REINFORCED CONCRETE PIPE WITH TYPE 1 TRENCH INSTALLATION PER NMDOT DETAIL 206-01.
3. FOR DROP MANHOLES, CONSTRUCT MANHOLE OPENING AND STEPS PERPENDICULAR TO THE MAIN STORM DRAIN PIPE.
4. LARGE BOULDERS SHALL BE PLACED AT THE EDGE OF THE EASEMENT ALONG THE SEGMENT OF RAISED PIPE (Sta. 1+90 TO Sta. 4+95).
4. (#) = WSPGW MODEL ID

S.D. LINE "A"

(1000) (1090) (1395) (1495)

40' 20' 0 40' 80'
SCALE: 1" = 40'



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/20/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS #18374, OF THE FIRM CARTESIAN SURVEYS INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/21 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 RELEASE OF LOMR.

EXCEPTIONS:
NONE TAKEN

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.

RONALD R. BOHANNAN, NMPE # 7868 (SEAL)

DATE 1/4/21

RONALD R. BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

City of Rio Rancho

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

STORM DRAIN LINE "A"
PLAN AND PROFILE

ENGINEER'S SEAL
CHRISTOPHER R. HITT NEW MEXICO 26459 PROFESSIONAL ENGINEER 12/29/2020

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
19 of 30

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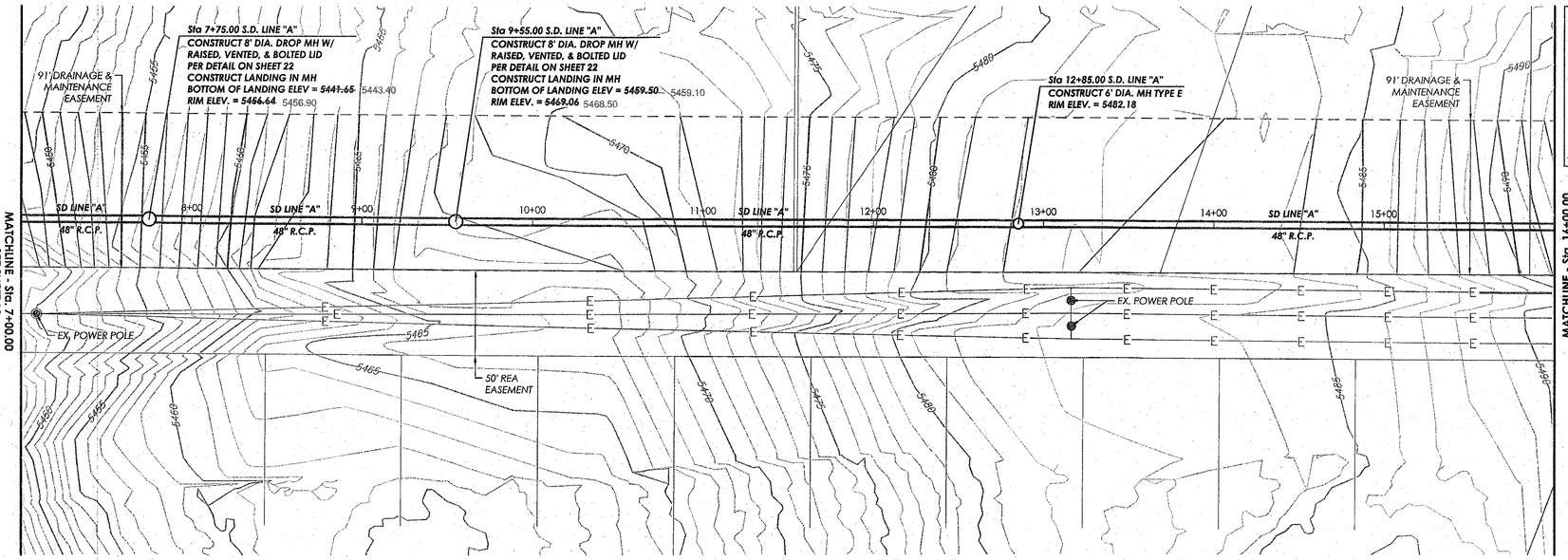
RECORD DRAWINGS



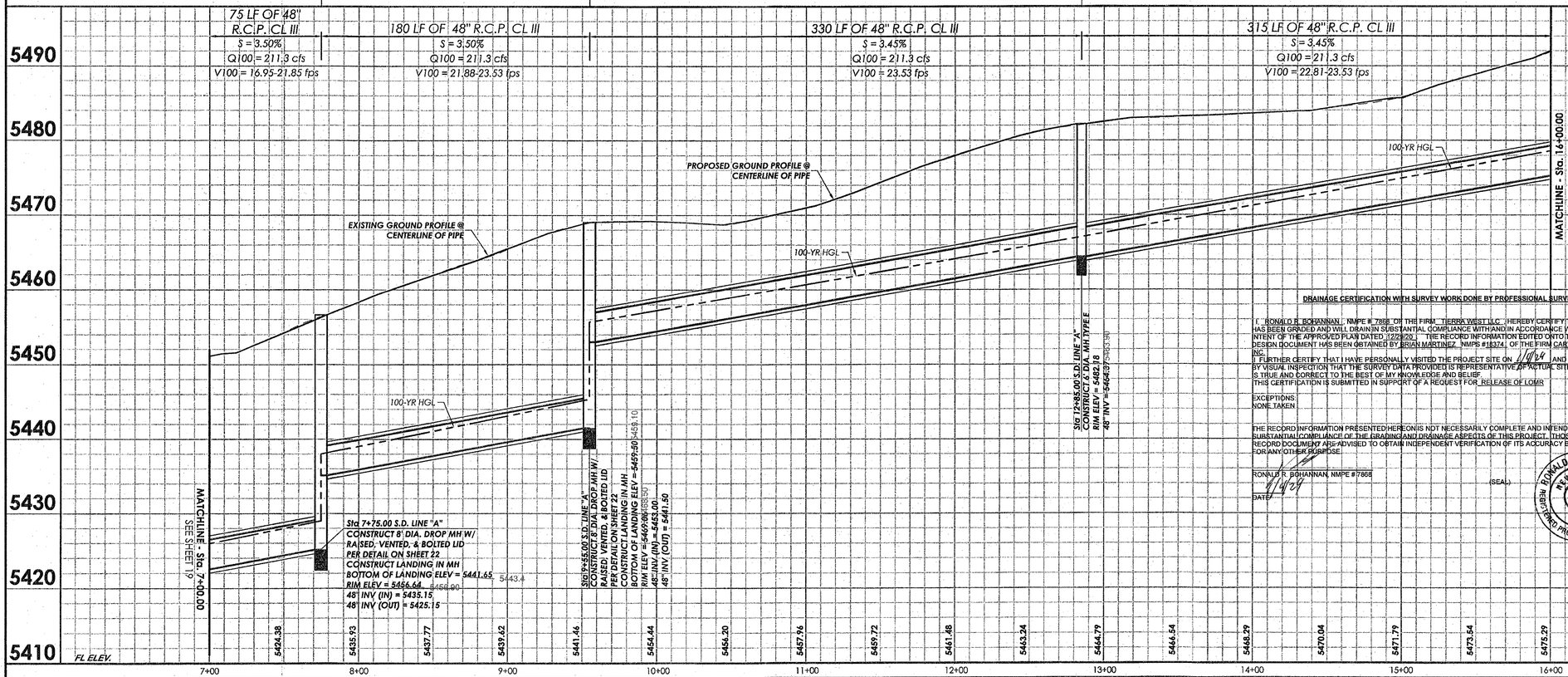
NOTES:

1. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS BACK TO EXISTING GRADE WITH A SMOOTH SURFACE WHERE NO PROPOSED CONTOURS ARE SHOWN.
2. THE CONTRACTOR SHALL CONSTRUCT REINFORCED CONCRETE PIPE WITH TYPE 1 TRENCH INSTALLATION PER NMDOT DETAIL 206-01.
3. FOR DROP MANHOLES, CONSTRUCT MANHOLE OPENING AND STEPS PERPENDICULAR TO THE MAIN STORM DRAIN PIPE.
4. (#) = WSPGW MODELID

(1675) (1855) (2185)

S.D. LINE "A"

40' 20' 0 40' 80'
SCALE: 1" = 40'



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/28/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS #18374, OF THE FIRM CARTESIAN SURVEYS INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/7/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE #7868 (SEAL)

DATE 1/7/21

RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

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City of Rio Rancho — The Great Spirit of Flight — City of Rio Rancho New Mexico 1981

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CIVIL ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-3539

LOS DIAMANTES
OFF SITE REGIONAL POND

STORM DRAIN LINE "A"
PLAN AND PROFILE

ENGINEER'S SEAL
CHRISTOPHER R. HITE NEW MEXICO 29459 PROFESSIONAL ENGINEER 12/29/2020

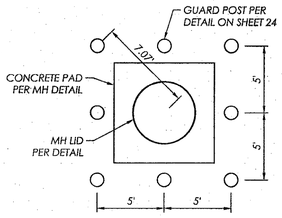
PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
20 of 30

RECORD DRAWINGS

CONSTRUCTION NOTES

① - CONSTRUCT CANTILEVER RETAINING WALL PER NMDOT DTL. 511-80.
- RETAINING WALL TOP OF FOOTER ELEVATION TO MATCH HEADWALL TOP OF FOOTER ELEVATION.
H = 6'2", L = 18'
TW = 5495.33



MANHOLE AND GUARD POST LAYOUT

N.T.S.

NOTES:
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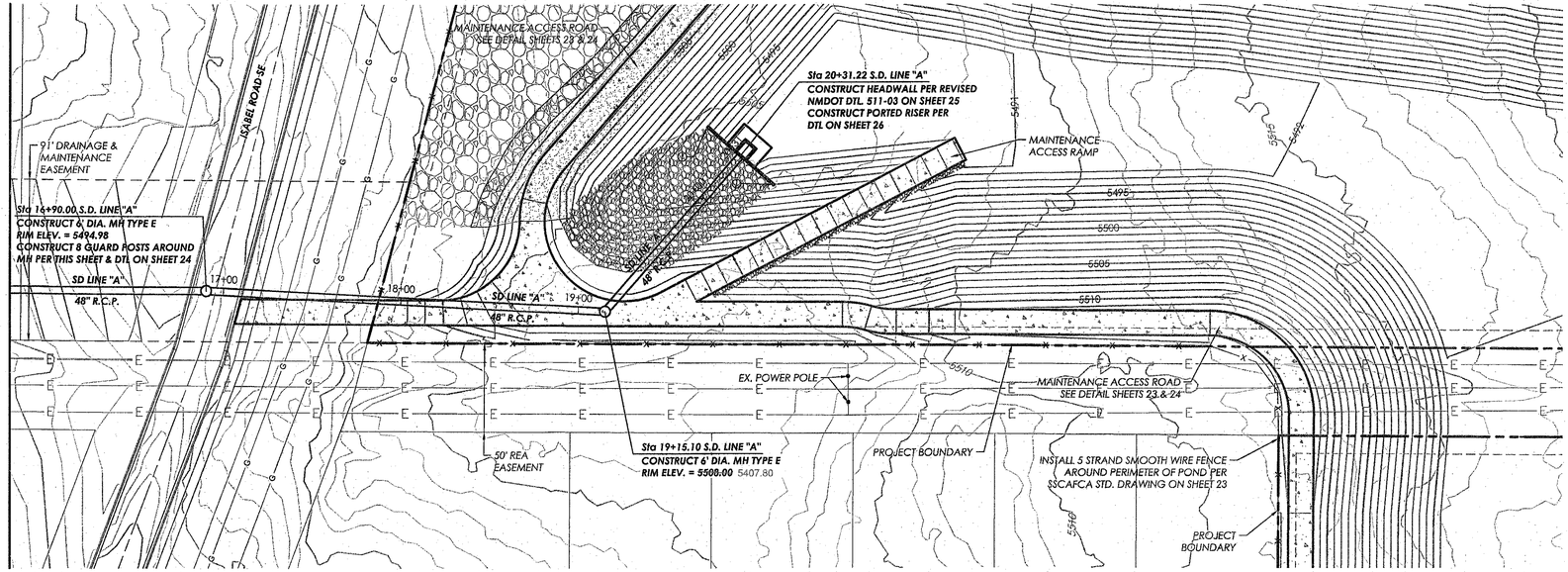
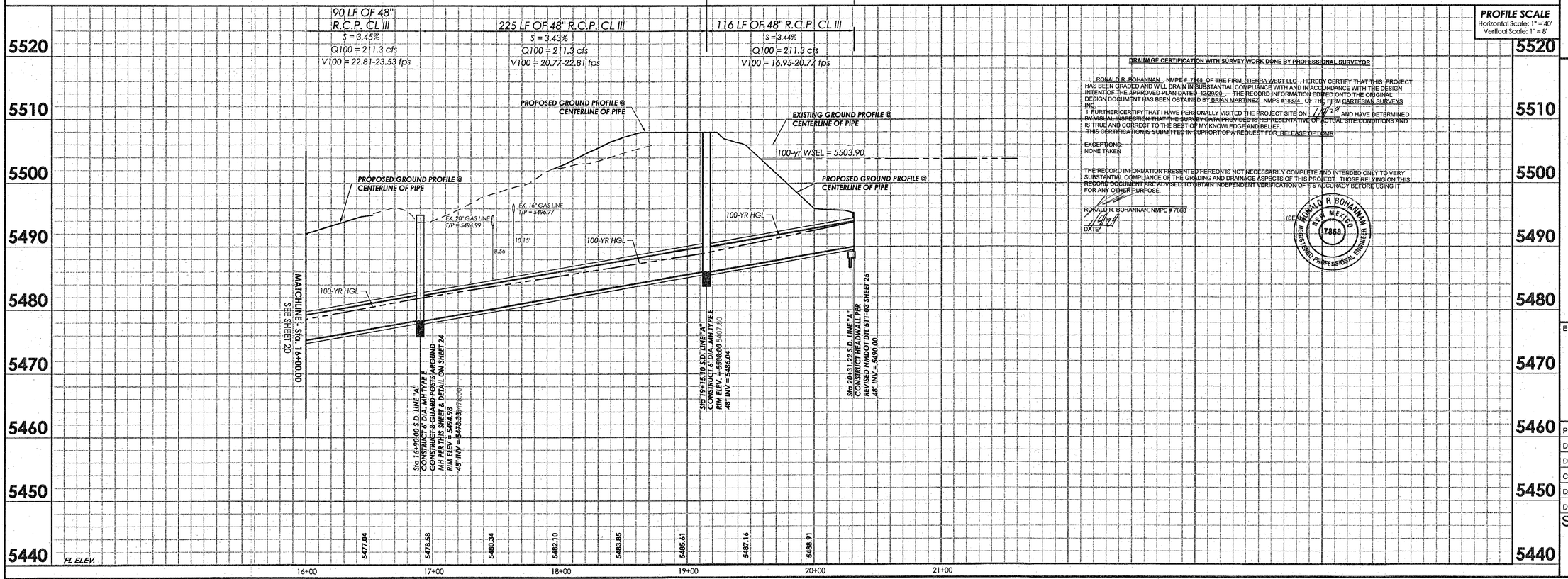
3. FOR DROP MANHOLES, CONSTRUCT MANHOLE OPENING AND STEPS PERPENDICULAR TO THE MAIN STORM DRAIN PIPE.
4. {#} = WSPGW MODEL ID



40' 20' 0 40' 80'
SCALE: 1" = 40'

S.D. LINE "A"

(2590) (2815) (2931)



PROFILE SCALE
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS #18374, OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/4/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

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RONALD R. BOHANNAN, NMPE # 7868
DATE 11/4/21

(SEE SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

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City of Rio Rancho — The Great Seal of the City of Rio Rancho, New Mexico — 1981

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS
P.O. BOX 90828 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)798-7539

LOS DIAMANTES
OFF SITE REGIONAL POND

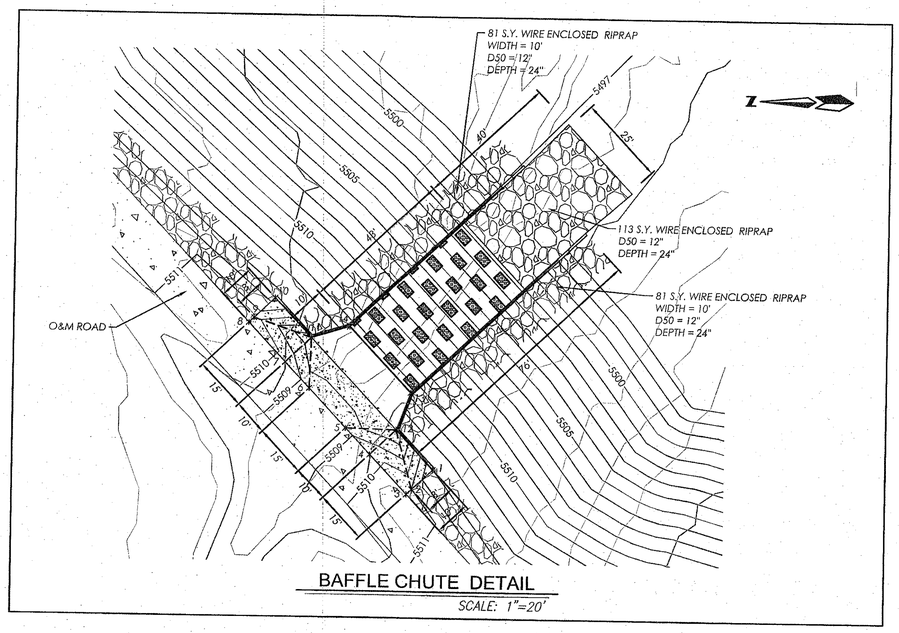
STORM DRAIN LINE "A"
PLAN AND PROFILE

ENGINEER'S SEAL
CHRISTOPHER R. HINE NEW MEXICO 23459 PROFESSIONAL ENGINEER 12/29/2020

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
21 of 30

RECORD DRAWINGS



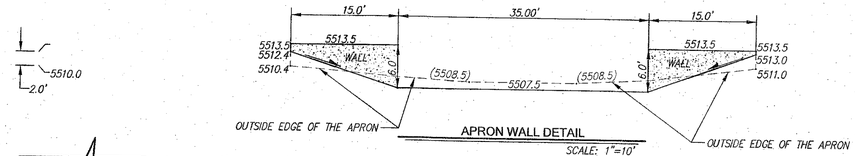
BAFFLE CHUTE DETAIL

SCALE: 1"=20'

NOTE:

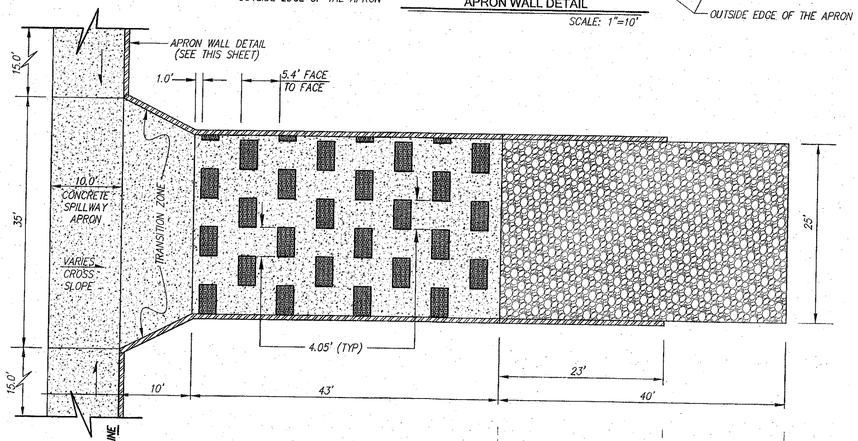
TOP OF BERM TO REMAIN 5513.5 AND TIE TO EXISTING GROUND ON BOTH SIDES OF BAFFLE CHUTE

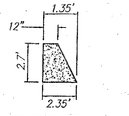
POINT TABLE				
POINT #	ELEVATION	NORTHING	EASTING	TOP WALL
1	5513.00	1537735.670	1498017.321	5513.50
2	5511.00	1537741.493	1498011.835	-
3	5511.00	1537742.948	1498010.463	-
4	5509.10	1537753.235	1498021.387	-
5	5508.50	1537760.092	1498028.660	-
6	5508.50	1537770.378	1498039.577	-
7	5509.10	1537777.235	1498046.861	-
8	5510.40	1537787.522	1498057.773	-
9	5510.40	1537786.066	1498059.145	-
10	5512.40	1537780.243	1498064.631	5513.50
11	5507.50 .36	1537769.957	1498053.719	5513.50
12	5507.50 .36	1537745.956	1498028.239	5513.50
13	5507.50 .36	1537742.109	1498038.733	5515.50
14	5507.50 .36	1537759.252	1498056.929	5515.50



APRON WALL DETAIL

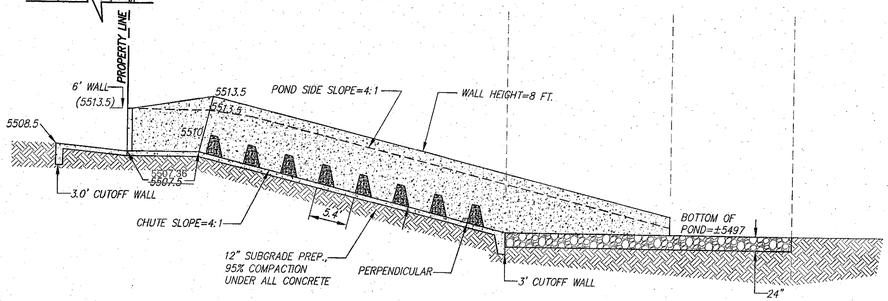
SCALE: 1"=10'





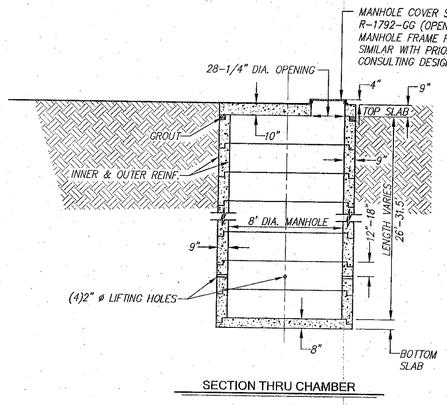
BAFFLE DETAIL

SCALE: 1"=5'



LOS DIAMANTES REGIONAL POND
BAFFLED CHUTE INLET STRUCTURE

SCALE: 1"=10'



SECTION THRU CHAMBER

8' DIA. MANHOLE SPECIFICATIONS	
RISER WALL REINFORCEMENT	
MANHOLE	96" DIA.
WALL THICKNESS	9"
WALL REINF. (IN²/FT) (INNER)	0.24
WALL REINF. (IN²/FT) (OUTER)	0.24
TOP SLAB REINFORCEMENT	
TOP SLAB THICKNESS	10"
TOP LAYER REINF. (IN²/FT)	0.62
BOTTOM LAYER REINF. (IN²/FT)	1.19
BOTTOM LAYER BAR SIZE/SPACING	#7 @ 6"O.C.
REPLACEMENT STEEL BAR	(8) #7
APPROXIMATE WEIGHT (LBS.)	8,468
BOTTOM SLAB REINFORCEMENT	
BOTTOM SLAB THICKNESS	8"
TOP LAYER REINF. (IN²/FT)	0.62
BOTTOM LAYER REINF. (IN²/FT)	0.62
APPROXIMATE WEIGHT (LBS.)	7,088

RISER NOTES:

1. RISERS DESIGNED PER ASTM C-478.
2. MINIMUM CONCRETE STRENGTH (f'c)=4,000 psi.(MIN.)
3. MINIMUM SPECIFIED YIELD STRESS (fy)=60,000 psi (MIN.)
4. 1" (MIN.) CLEAR CONCRETE COVER OVER REINFORCEMENT.

TOP AND BOTTOM SLAB NOTES:

5. TOP SLAB DESIGNED PER ASTM C-478 (HS-20 LIVE LOAD).
6. MINIMUM CONCRETE STRENGTH (F'C)=4,000 psi.(MIN.)
7. MINIMUM SPECIFIED YIELD STRESS (fy)=60,000 psi. (MIN.)
8. 1-1/2" (MIN.) CLEAR CONCRETE COVER OVER REINFORCEMENT.

8' DIA. MANHOLE DETAIL

SCALE: 1"=5'

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/14/21 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.
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RONALD R BOHANNAN, NMPE # 7868

1/14/21
DATE

(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

City of Rio Rancho

REVISIONS (OR CHANGE NOTICES)

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90565 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200 FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

BAFFLE CHUTE AND
STORM DRAIN MANHOLE
DETAILS

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 LICENSED PROFESSIONAL ENGINEER 12-29-20

PROJECT NO.	A18033
DESIGNED BY:	DER
DRAWN BY:	DER
CHECKED BY:	DMG
DATE:	12/30/20
DPW CHK:	

SHEET:

DE 6/21/22

22 of 30

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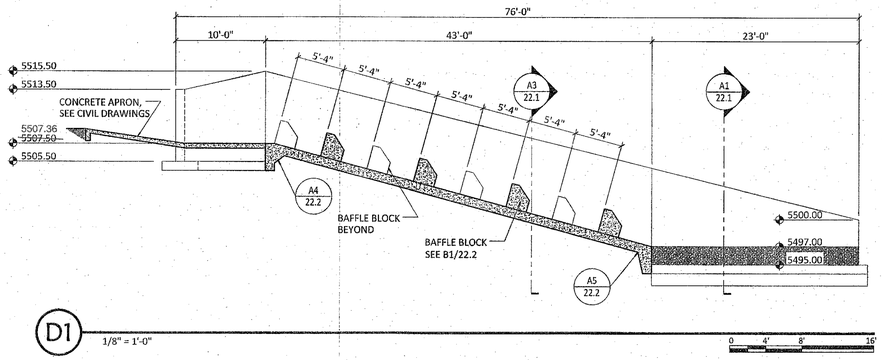
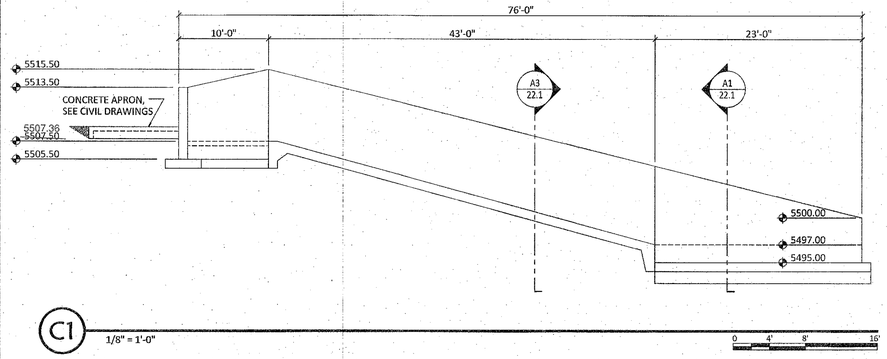
F:\A18JOBS ACAD 2019\A18033 Los Diamantes - Regional Pond Park\PLANS\UTILITIES\A18033_POND BAFFLE CHUTE DETAILS-R.dwg, Last saved by: Dwayne, 12/30/20 4:27:54 PM, Dwayne



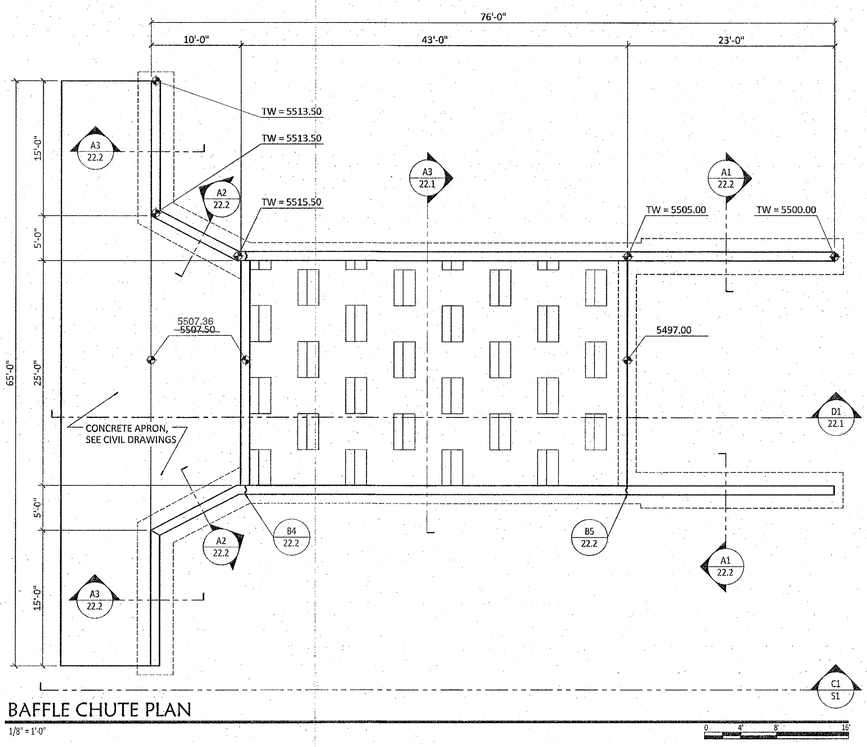
D1

1/8" = 1'-0"



C1

1/8" = 1'-0"



BAFFLE CHUTE PLAN

1/8" = 1'-0"

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/28/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374, OF THE FIRM CARTESIAN SURVEYS INC.

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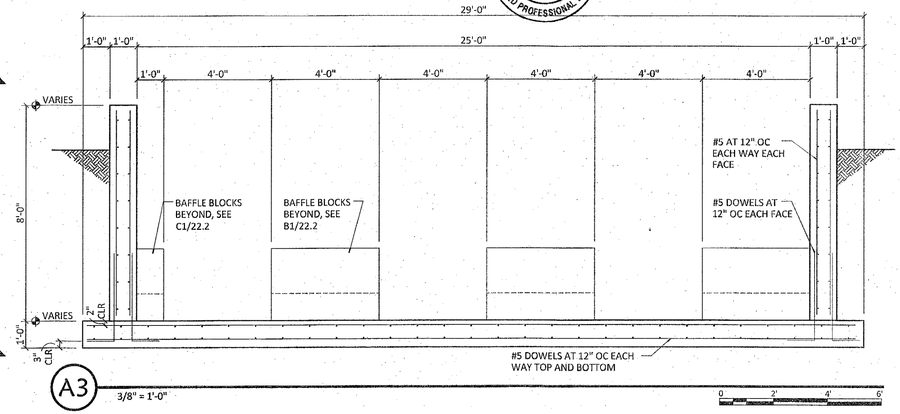
RONALD R. BOHANNAN, NMPE # 7868

1/4/21
DATE

(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



A3

3/8" = 1'-0"

GENERAL STRUCTURAL NOTES

1. Codes and Manuals
   A. International Building Code, 2015 Edition
   B. ACI 318-05
2. Design Loads:
   A. Equivalent Fluid Pressure = 35 pcf
   B. Maximum allowable soil bearing pressure: 2,500 psf
3. General
   A. The contractor shall verify all dimensions in the field.
   B. The contractor shall be responsible for providing safe and adequate shoring for all parts of the structure during construction.
4. Materials
   A. Cast-in-place Concrete:
      1. Hardrock Concrete (Unit Weight = 150 pcf)
         a. 4,000 psi @ 28 days (air entrained)
         b. Provide ¾" chamfer at all exposed edges
   B. Reinforcing Steel
      1. All reinforcing steel shall conform to ASTM A615 Grade 60
      2. Reinforcing steel shall be fabricated and placed in accordance with the Building Code Requirements for Reinforced Concrete ACI 318 and the Standard Manual ACI 315
      3. Where lapped splices in reinforcing occur, the minimum lab shall be made as follows:
         a. Vertical reinforcing: 30 bar diameter or 18" minimum
         b. Horizontal reinforcing: 30 bar diameter or 18" minimum
         c. Horizontal corner bars: 30 bar diameter or 18" minimum
      4. Concrete cover for reinforcing shall be as follows unless otherwise noted:
         a. Concrete cast against and permanently exposed to earth: 3"
         b. Concrete exposed to earth or weather:
            1) Bars larger than No 5: 2"
            2) Bars No 5 or smaller: 1 ½"
      5. All horizontal reinforcing in footings, walls, and beams shall be continuous around corners or have corner bars of the same size and spacing as the horizontal bars and lap a minimum of 30 bar diameters or 24" minimum
5. Site Grading and Earthwork:
   A. Foundation Preparation:
      1. Building areas shall be completely stripped of vegetation, pavements, existing construction and debris, and soft or muddy areas
   B. Foundations:
      1. Over excavate beneath bottom elevation of all footings a minimum of two feet
      2. The excavation shall extend a minimum of two feet laterally beyond the edge of all foundations.
      3. The exposed bottoms of excavations shall be scarified to a depth of 8", moistened within optimum moisture (+/- 2%), and compacted to a minimum of 95% of maximum density as determined by ASTM D-1557.
      4. The structural fill shall be thoroughly mixed within optimum moisture (+/-2%), placed in thin horizontal lifts, 6" maximum loose depth, and compacted to a minimum of 95% of maximum density as determined by ASTM D-1557.
   C. Backfill:
      1. All backfill should be thoroughly mixed within optimum moisture (+/-2%), placed in thin horizontal lifts, 6" maximum loose depth, and compacted to a minimum of 95% of maximum density as determined by ASTM D-1557.
   D. Site Drainage:
      1. Provide positive surface drainage away from foundation excavations during construction

City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90520
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200 FAX (505)828-2201

LOS DIAMANTES
10th ST SE INFRASTRUCTURE

BAFFLE CHUTE PLAN AND DETAILS
GENERAL STRUCTURAL NOTES

ENGINEER'S SEAL
RONALD A. MACCONNICK NEW MEXICO 16638 REGISTERED PROFESSIONAL ENGINEER 12-29-20

PROJECT NO.	.
DESIGNED BY:	DM
DRAWN BY:	DW
CHECKED BY:	DM
DATE:	06/05/2020
DPW CHK:	

SHEET:
DE 6/21/22
22.1 of 28

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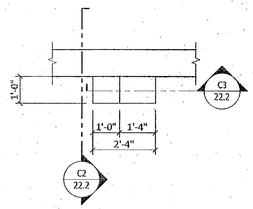
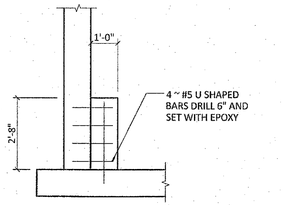
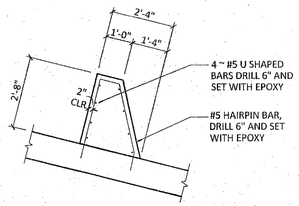
RECORD DRAWINGS



C1 PLAN VIEW
3/8" = 1'-0"



C2 3/8" = 1'-0"



C3 3/8" = 1'-0"

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/21 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 RELEASE OF LOMR

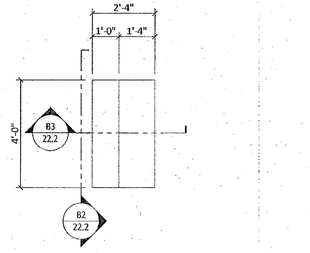
EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

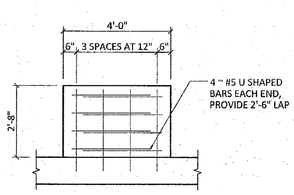
RONALD R. BOHANNAN, NMPE # 7868
DATE 1/4/21

(SEAL)

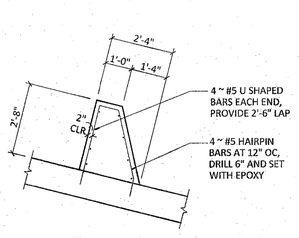
RONALD R. BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



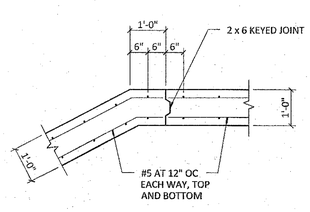
B1 PLAN VIEW
3/8" = 1'-0"



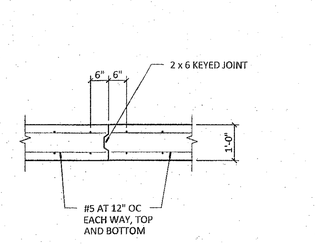
B2 3/8" = 1'-0"



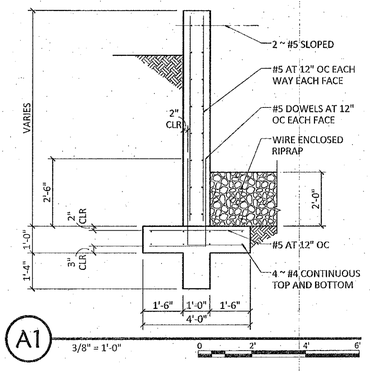
B3 3/8" = 1'-0"



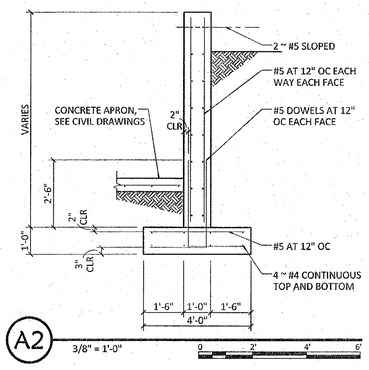
B4 1/2" = 1'-0"



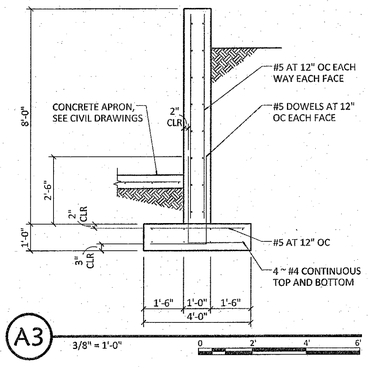
B5 1/2" = 1'-0"



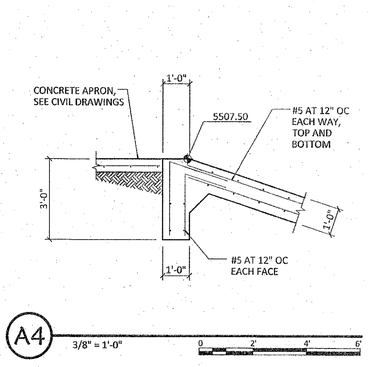
A1 3/8" = 1'-0"



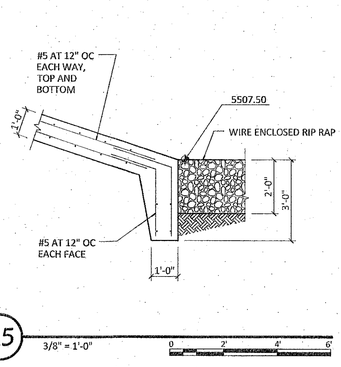
A2 3/8" = 1'-0"



A3 3/8" = 1'-0"



A4 3/8" = 1'-0"



A5 3/8" = 1'-0"

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City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES P.A.
CONSULTING ENGINEERS
P.O. BOX 90750, ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
10th ST SE INFRASTRUCTURE

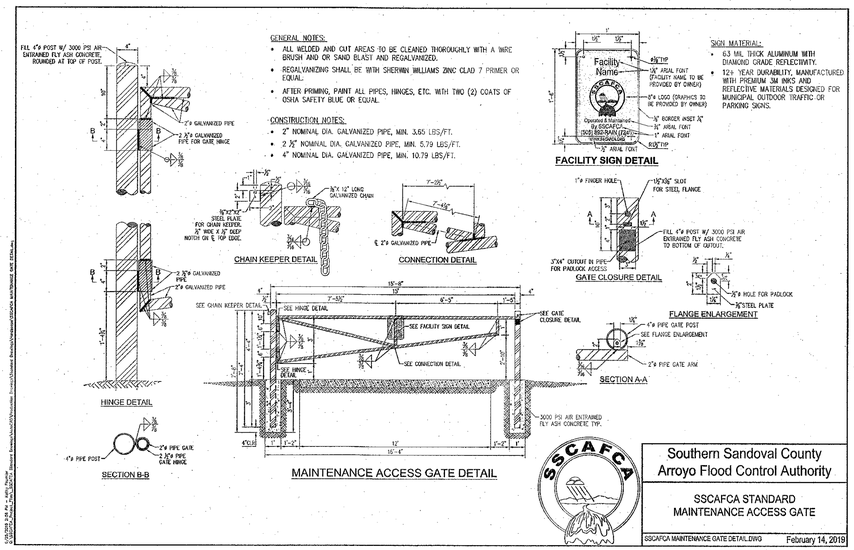
BAFFLE CHUTE DETAILS

ENGINEER'S SEAL

DONALD R. MACPHERSON NEW MEXICO 14638 REGISTERED PROFESSIONAL ENGINEER 12-29-20

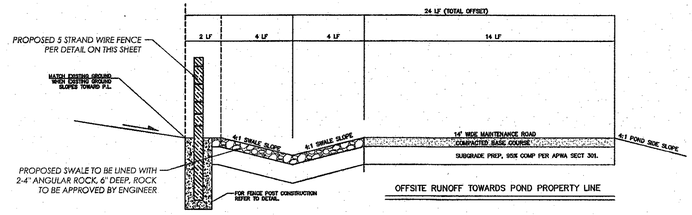
PROJECT NO.	.
DESIGNED BY:	DM
DRAWN BY:	DW
CHECKED BY:	DM
DATE:	06/05/2020
DPW CHK:	

SHEET:
DE 6/21/22
22.2 of 28



SECTION D-D

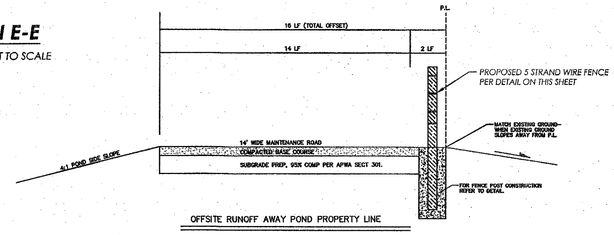
NOT TO SCALE



OFFSITE RUNOFF TOWARDS POND PROPERTY LINE

SECTION E-E

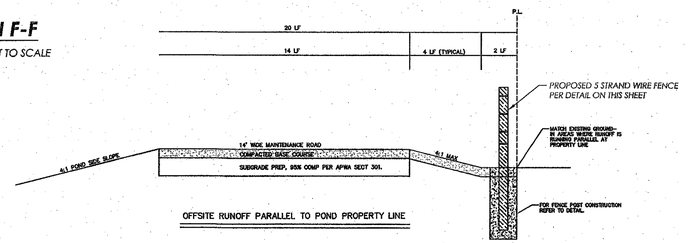
NOT TO SCALE



OFFSITE RUNOFF AWAY POND PROPERTY LINE

SECTION F-F

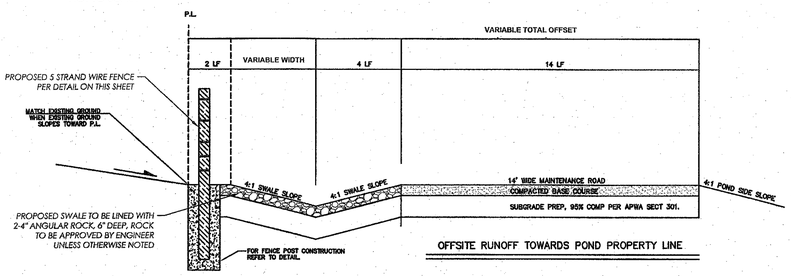
NOT TO SCALE



OFFSITE RUNOFF PARALLEL TO POND PROPERTY LINE

SECTION G-G

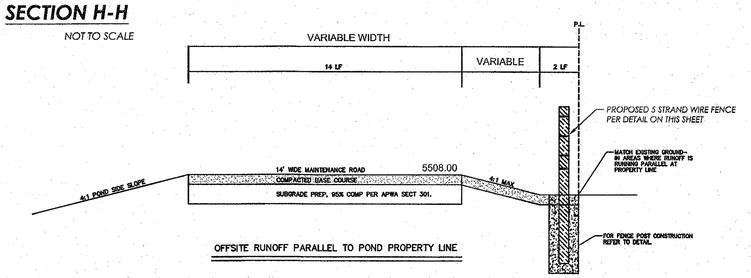
NOT TO SCALE



OFFSITE RUNOFF TOWARDS POND PROPERTY LINE

SECTION H-H

NOT TO SCALE



OFFSITE RUNOFF PARALLEL TO POND PROPERTY LINE

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/6/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

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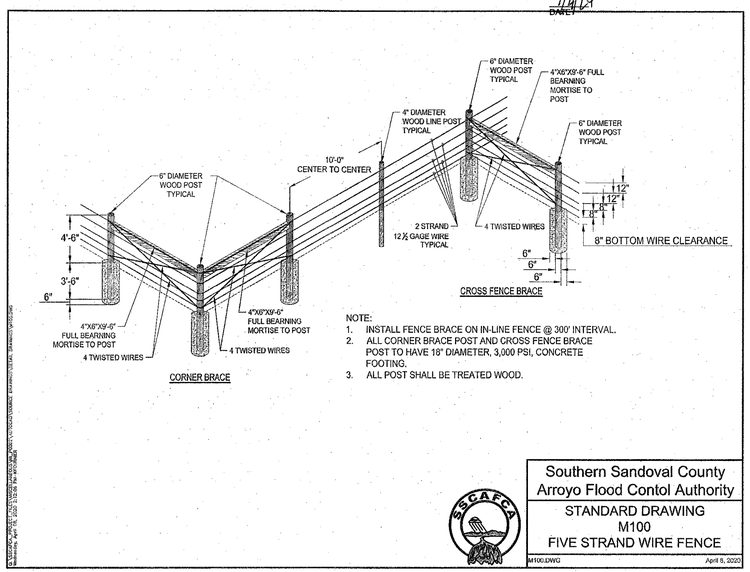
RONALD R. BOHANNAN, NMPE # 7868

DATE: 1/14/21

RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1	REVISIONS (OR CHANGE NOTICES)		

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 92550, ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

POND CROSS SECTIONS & DETAILS

ENGINEER'S SEAL
CHRISTOPHER R. HINZ NEW MEXICO 25459 12/29/2020 PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
23 of 30

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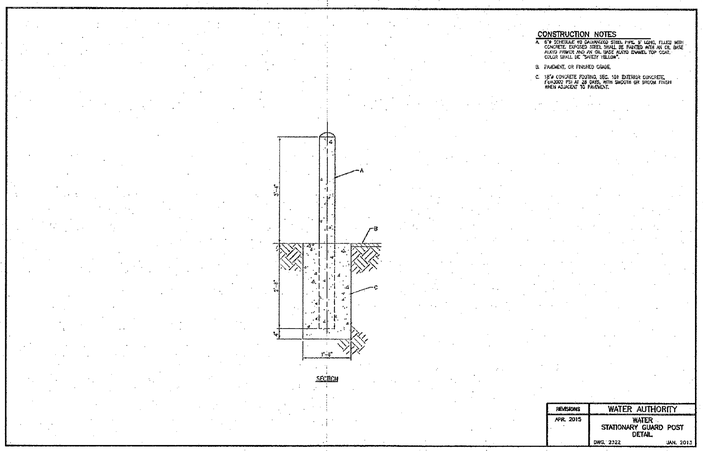
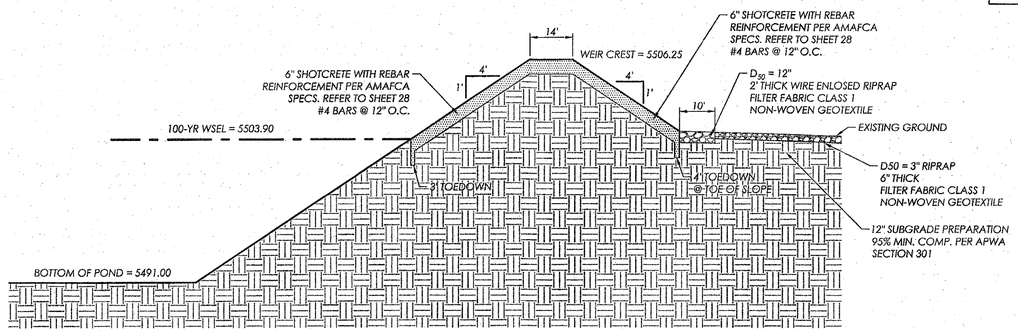
RECORD DRAWINGS



GUARD POST DETAIL

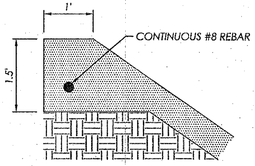
NOT TO SCALE

NOTE:
ALL POND SLOPE SLOPES SHALL BE PROTECTED WITH GRAVEL MULCH PER APWA SPECIFICATION 1012,. ALL DISTURBED AREAS SHALL BE SEEDED PER APWA 1012.



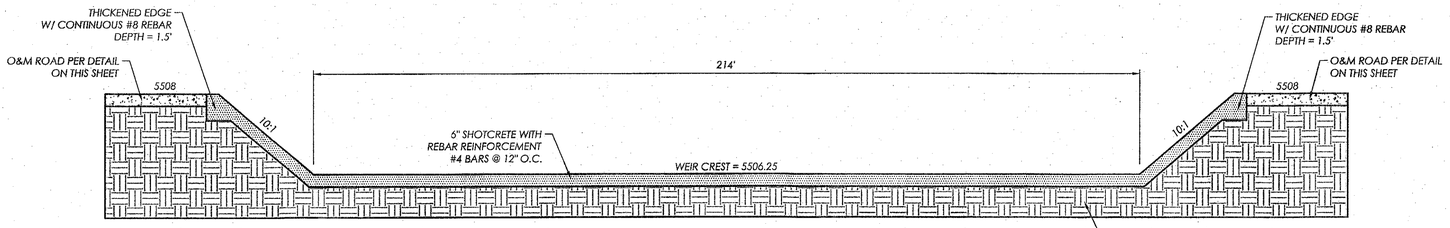
EMERGENCY SPILLWAY SECTION A-A

NOT TO SCALE



THICKENED EDGE DETAIL

NOT TO SCALE



EMERGENCY SPILLWAY SECTION B-B

NOT TO SCALE

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

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I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/21 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.
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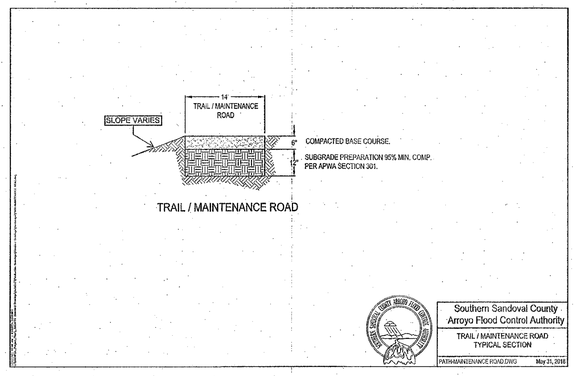
RONALD R. BOHANNAN, NMPE # 7868

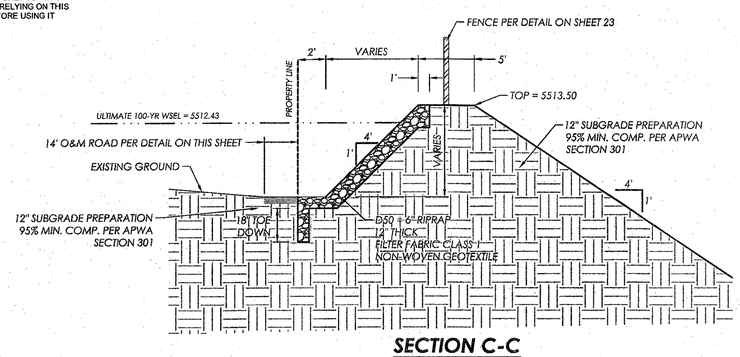
1/4/21
DATE

RONALD R. BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



O&M ROAD SECTION

NOT TO SCALE



SECTION C-C

NOT TO SCALE

CAUTION:
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City of Rio Rancho — The Great Seal of the City of Rio Rancho, New Mexico — 1981

REVISIONS (OR CHANGE NOTICES)

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90369
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200 FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

POND CROSS SECTIONS
& O&M ROAD DETAIL

ENGINEER'S SEAL
CHRISTOPHER R. HATTLE NEW MEXICO 25459 12/29/2020 PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
24 of 30

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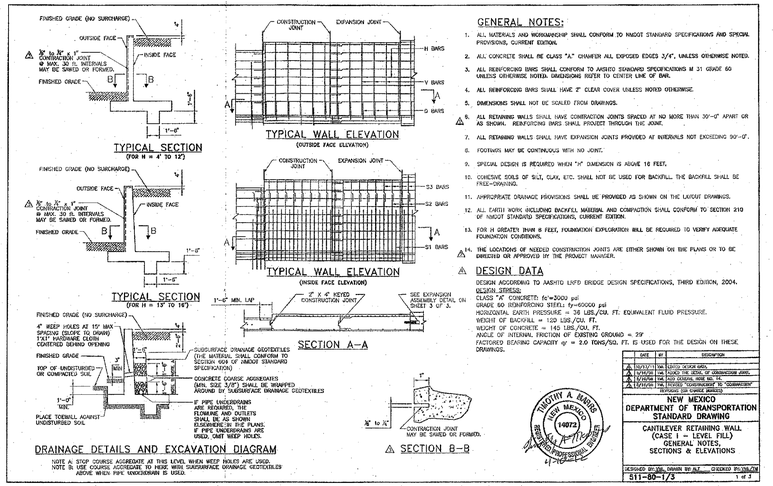
RECORD DRAWINGS



GENERAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO NMDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS, CURRENT EDITION.
2. ALL CONCRETE SHALL BE CLASS "A," CHAMFER ALL EXPOSED EDGES 3/4", UNLESS OTHERWISE NOTED.
3. ALL REINFORCING BARS SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS M 31 GRADE 60 UNLESS OTHERWISE NOTED. DIMENSIONS REFER TO CENTER LINE OF BAR.
4. ALL REINFORCING BARS SHALL HAVE 2" CLEAR COVER UNLESS NOTED OTHERWISE.
5. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
6. ALL RETAINING WALLS SHALL HAVE CONTRACTION JOINTS SPACED AT NO MORE THAN 30'-0" APART OR AS SHOWN. REINFORCING BARS SHALL PROJECT THROUGH THE JOINT.
7. ALL RETAINING WALLS SHALL HAVE EXPANSION JOINTS PROVIDED AT INTERVALS NOT EXCEEDING 90'-0".
8. FOOTINGS MAY BE CONTINUOUSLY WITH NO JOINT.
9. SPECIAL DESIGN IS REQUIRED WHEN "H" DIMENSION IS ABOVE 16 FEET.
10. COHESIVE SOILS OF SILT, CLAY, ETC. SHALL NOT BE USED FOR BACKFILL. THE BACKFILL SHALL BE FREE-DRAINING.
11. APPROPRIATE DRAINAGE PROVISIONS SHALL BE PROVIDED AS SHOWN ON THE LAYOUT DRAWINGS.
12. ALL EARTH WORK (INCLUDING BACKFILL MATERIAL AND COMPACTION SHALL CONFORM TO SECTION 210 OF NMDOT STANDARD SPECIFICATIONS, CURRENT EDITION.
13. FOR H GREATER THAN 6 FEET, FOUNDATION EXPLORATION WILL BE REQUIRED TO VERIFY ADEQUATE FOUNDATION CONDITIONS.
14. THE LOCATIONS OF NEEDED CONSTRUCTION JOINTS ARE EITHER SHOWN ON THE PLANS OR TO BE DIRECTED OR APPROVED BY THE PROJECT MANAGER.

DESIGN DATA

DESIGN ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, THIRD EDITION, 2004.
DESIGN STRESS:
CLASS "A" CONCRETE: f'c=3000 psi
GRADE 60 REINFORCING STEEL: fy=60000 psi
HORIZONTAL EARTH PRESSURE = 38 LBS./SQ. FT. EQUIVALENT FLUID PRESSURE.
WEIGHT OF BACKFILL = 120 LBS./CU. FT.
WEIGHT OF CONCRETE = 145 LBS./CU. FT.
ANGLE OF INTERNAL FRICTION OF EXISTING GROUND = 29°
FACTORED BEARING CAPACITY qf = 2.0 TONS/SQ. FT. IS USED FOR THE DESIGN ON THESE DRAWINGS.

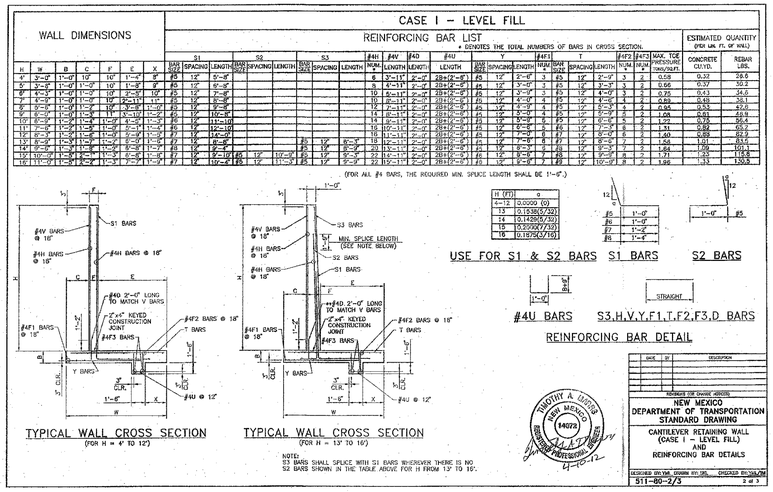
DATE	BY	DESCRIPTION
1	TM	5/17/10 ADD SHEAR KEY DETAIL
2	TM	5/17/10 ADD THE SEAL OF ENGINEER AND...
3	TM	5/17/10 ADD COVER SHEET, SHEET NO. ETC.
4	TM	6/17/10 REVISED "CONTRACTOR" TO "CONTRACTOR" REVISED TO CHANGE WORDING

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CANTILEVER RETAINING WALL (CASE I – LEVEL FILL) GENERAL NOTES, SECTIONS & ELEVATIONS

DESIGNED BY: DG DRAWN BY: AJ CHECKED BY: DG/TM

511-80-1/3 1 of 3



H (FT)	α
4~12	0.0000 (0)
13	0.1536(5'32")
14	0.1429(5'35")
15	0.0330(2'33")
16	0.1875(6'15")

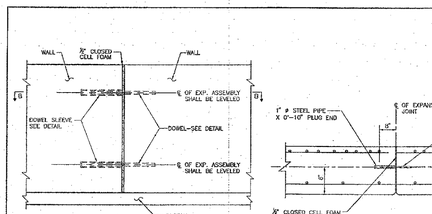
DATE	BY	DESCRIPTION
		REVISED TO SHOW #8S10

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CANTILEVER RETAINING WALL (CASE I – LEVEL FILL) AND REINFORCING BAR DETAILS

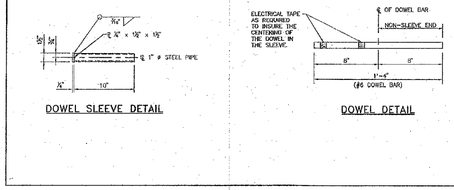
DESIGNED BY: DG DRAWN BY: DG CHECKED BY: DG/TM

511-80-2/3 2 of 3



GENERAL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A 36 UNLESS OTHERWISE NOTED ON THE DETAILS, AND SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M 111.
2. BEFORE AND AFTER THE CONCRETE OF THE WALL IS PLACED, THE CONTRACTOR SHALL ENSURE THAT THE DOWEL LINES OF ALL EXPOSED ASSEMBLIES ARE ALWAYS KEPT LEVELED AND 8" AWAY FROM THE OUTSIDE FACE OF THE WALL, AS SHOWN ON THIS DRAWING.
3. THE MATERIAL AND INSTALLATION COST OF 1/2" CLOSED CELL FOAM AND EXPANSION ASSEMBLIES SHALL BE CONSIDERED INCIDENTAL TO THE COST OF RETAINING WALL CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.



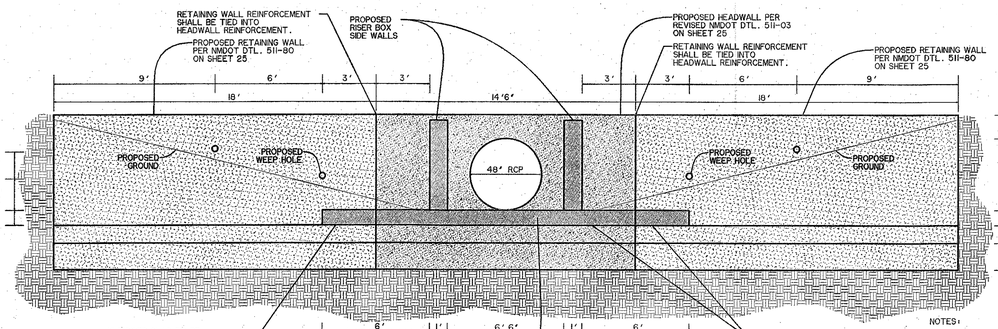
DATE	BY	DESCRIPTION
		REVISED SEE SHEET NOTES

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CANTILEVER RETAINING WALL (CASE I – LEVEL FILL) EXPANSION ASSEMBLY DETAIL

DESIGNED BY: DG DRAWN BY: DG CHECKED BY: DG/TM

511-80-3/3 3 of 3



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN , NMPE # 7868 OF THE FIRM TIERRA WEST LLC , HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/23/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.

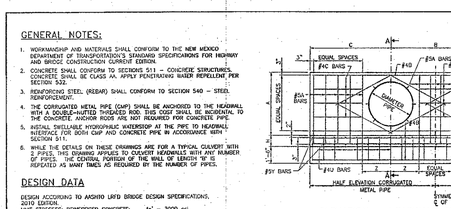
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/14/21 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO SHOW 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.

RONALD R. BOHANNAN, NMPE # 7868

1/14/21
DATE



CONCRETE HEADWALLS

QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

REQUIRED FOR TWO HEADWALLS WITH ONE PIPE

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY.

	DIMENSIONS											#5A BARS			#6D BARS			#6C BARS			#6E BARS			#6U BARS			#5Y BARS			#5T BARS			QUANTITIES	
	A	B	C	D	E	F	G	H	J	O1		NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	REINFORCING STEEL (LBS)	CONCRETE (CU YD)
*	18"	3'-3"	N/A	3'-3"	10"	3'-6"	9"	1'-11"	12"	N/A	6'-6"	12	6'-10"	12"	4	1'-0"	1'-4"	4	1'-4"	N/A	N/A	N/A	N/A	4	2'-0"	1'-4"	4	4'-0"	N/A	N/A	N/A	N/A	251	0.78
*	24"	3'-8"	N/A	4'-0"	10"	3'-8"	9"	1'-11"	12"	N/A	8'-0"	12	8'-4"	12"	4	1'-0"	1'-9"	4	1'-9"	N/A	N/A	N/A	N/A	4	2'-6"	1'-7"	4	5'-0"	N/A	N/A	N/A	N/A	295	3.56
*	30"	4'-3"	N/A	4'-9"	10"	3'-8"	9"	1'-11"	12"	N/A	9'-6"	12	9'-10"	6"+12"	4	1'-0"	1'-11"	4	1'-11"	N/A	N/A	N/A	N/A	4	3'-0"	1'-7"	4	6'-0"	N/A	N/A	N/A	N/A	339	4.60
	36"	4'-8"	N/A	5'-3"	10"	4'-0"	10"	2'-2"	12"	10"	10'-6"	15	11'-4"	6"+12"	4	1'-0"	2'-2"	4	2'-2"	N/A	N/A	N/A	N/A	4	3'-6"	1'-7"	4	7'-0"	24	6'-4"	12"	24	3'-11"	388	5.63
	42"	5'-3"	N/A	5'-9"	10"	4'-6"	10"	2'-6"	12"	8"	11'-6"	18	12'-10"	6"+12"	4	1'-0"	2'-6"	4	2'-6"	N/A	N/A	N/A	N/A	4	4'-0"	1'-7"	4	8'-0"	28	6'-4"	12"	28	3'-11"	446	6.77
	48"	5'-8"	N/A	6'-3"	10"	5'-0"	11"	2'-9"	12"	10"	12'-6"	21	13'-10"	6"+12"	4	1'-0"	2'-9"	4	2'-9"	N/A	N/A	N/A	N/A	4	4'-6"	1'-7"	4	9'-0"	32	6'-4"	12"	32	4'-10"	512	8.09
	54"	6'-2"	N/A	6'-9"	10"	5'-6"	11"	3'-0"	12"	10"	13'-6"	24	15'-0"	6"+12"	4	1'-0"	3'-0"	4	3'-0"	N/A	N/A	N/A	N/A	4	5'-0"	1'-7"	4	10'-0"	36	6'-4"	12"	36	4'-10"	579	9.62
	60"	6'-7"	N/A	7'-3"	10"	6'-0"	11"	3'-3"	12"	10"	14'-6"	26	16'-2"	6"+12"	4	1'-0"	3'-3"	4	3'-3"	N/A	N/A	N/A	N/A	4	5'-6"	1'-7"	4	11'-0"	40	6'-4"	12"	40	5'-9"	646	10.55
	66"	7'-1"	N/A	7'-9"	10"	6'-6"	11"	3'-6"	12"	10"	15'-6"	28	17'-4"	6"+12"	4	1'-0"	3'-6"	4	3'-6"	N/A	N/A	N/A	N/A	4	6'-0"	1'-7"	4	12'-0"	44	6'-4"	12"	44	5'-9"	713	11.63
	72"	7'-6"	N/A	8'-3"	10"	6'-6"	11"	3'-6"	12"	10"	16'-6"	30	18'-6"	6"+12"	4	1'-0"	3'-6"	4	3'-6"	N/A	N/A	N/A	N/A	4	6'-6"	1'-7"	4	13'-0"	48	6'-4"	12"	48	5'-9"	780	12.72

# DENOTES THAT THE SHEAR KEY OF FOOTING IS NOT REQUIRED.

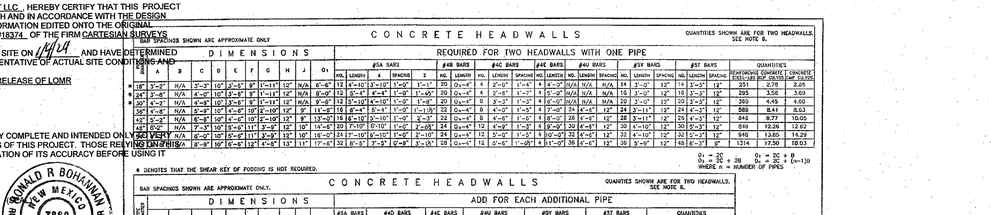
CONCRETE HEADWALLS

QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY.

ADD FOR EACH ADDITIONAL PIPE

	DIMENSIONS											#5A BARS			#6D BARS			#6U BARS			#5Y BARS			#5T BARS			QUANTITIES	
	A	B	C	D	E	F	G	H	J	O1		NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	NO.	LENGTH	SPACING	REINFORCING STEEL (LBS)	CONCRETE (CU YD)
*	15"	3'-2"	3'-0"	3'-3"	10"	3'-0"	9"	1'-11"	12"	N/A	6'-5"	4	2	1'-0"	1'-4"	4	1'-4"	N/A	N/A	N/A	6	3'-0"	12"	6	3'-3"	12"	71	1.19
*	24"	3'-8"	4'-0"	4'-0"	10"	3'-6"	9"	1'-11"	12"	N/A	8'-0"	4	2	1'-0"	1'-7"	4	1'-7"	N/A	N/A	N/A	8	3'-0"	12"	8	3'-5"	12"	93	1.54
*	30"	4'-3"	5'-0"	4'-9"	10"	3'-8"	9"	1'-11"	12"	N/A	9'-6"	4	2	1'-0"	1'-11"	4	1'-11"	N/A	N/A	N/A	9	3'-0"	12"	10	3'-5"	12"	110	2.12
	36"	4'-8"	5'-6"	5'-3"	10"	4'-0"	10"	2'-2"	12"	8"	11'-3"	6	4	2'-2"	1'-5"	4	2'-2"	12	2'-6"	12"	12	3'-11"	12"	12	4'-3"	12"	203	4.08
	42"	5'-3"	6'-0"	5'-9"	10"	4'-6"	10"	2'-6"	12"	8"	12'-0"	6	4	2'-6"	1'-5"	4	2'-6"	13	2'-6"	12"	13	3'-11"	12"	14	4'-3"	12"	233	4.86
	48"	5'-8"	6'-6"	6'-3"	10"	5'-0"	11"	2'-9"	12"	10"	12'-6"	6	4	2'-9"	1'-5"	4	2'-9"	14	2'-6"	12"	14	3'-11"	12"	16	4'-3"	12"	314	6.26
	54"	6'-2"	7'-0"	6'-9"	10"	5'-6"	11"	3'-0"	12"	10"	13'-6"	6	4	3'-0"	1'-5"	4	3'-0"	15	2'-6"	12"	15	3'-11"	12"	18	4'-3"	12"	350	7.17
	60"	6'-7"	7'-6"	7'-3"	10"	6'-0"	11"	3'-3"	12"	10"	14'-6"	6	4	3'-3"	1'-5"	4	3'-3"	16	2'-6"	12"	16	3'-11"	12"	20	4'-3"	12"	389	8.23
	66"	7'-1"	8'-0"	7'-9"	10"	6'-6"	11"	3'-6"	12"	10"	15'-6"	6	4	3'-6"	1'-5"	4	3'-6"	17	2'-6"	12"	17	3'-11"	12"	22	4'-3"	12"	428	9.26
	72"	7'-6"	8'-6"	8'-3"	10"	6'-6"	11"	3'-6"	12"	10"	16'-6"	6	4	3'-6"	1'-5"	4	3'-6"	18	2'-6"	12"	18	3'-11"	12"	24	4'-3"	12"	467	10.29



LOCATION OF ANCHORS NEAR END OF CULVERT PIPE	
D (IN.)	LOCATION
18	0 (CORD)
24~36	6 SA. 1/6 POINTS
42~66	8 SA. 1/8 POINTS

DATE	BY	DESCRIPTION
		REVISED SEE SHEET NOTES

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

PIPE CULVERT HEADWALLS

511-03-1/2 1 to 2

511-03-2/2 2 of 2

THIS STANDARD DRAWING IS FOR USE ON NMDOT PROJECTS. OTHERS MAY USE THE NMDOT STANDARD DRAWINGS BUT DO SO AT THEIR OWN RISK. NMDOT ASSUMES NO RESPONSIBILITY FOR ERRORS THAT MAY BE CONTAINED ON THE PROJECT PLANS BUT WILL NOT BE PARTICULARLY INCLUDED IN THOSE PLANS THE USER OF THIS STANDARD DRAWING ASSUMES ALL RESPONSIBILITY FOR DETERMINING SUCH APPLICABILITY.

City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
1	REVISIONS (OR CHANGE NOTICES)		
2			
3			
4			
5			
6			
7			

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A. CIVIL ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

POND HEADWALL DETAILS

ENGINEER'S SEAL
CHRISTOPHER R. KOTTE, NEW MEXICO, 23459, REGISTERED PROFESSIONAL ENGINEER, 12/29/2020

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
25 of 30

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

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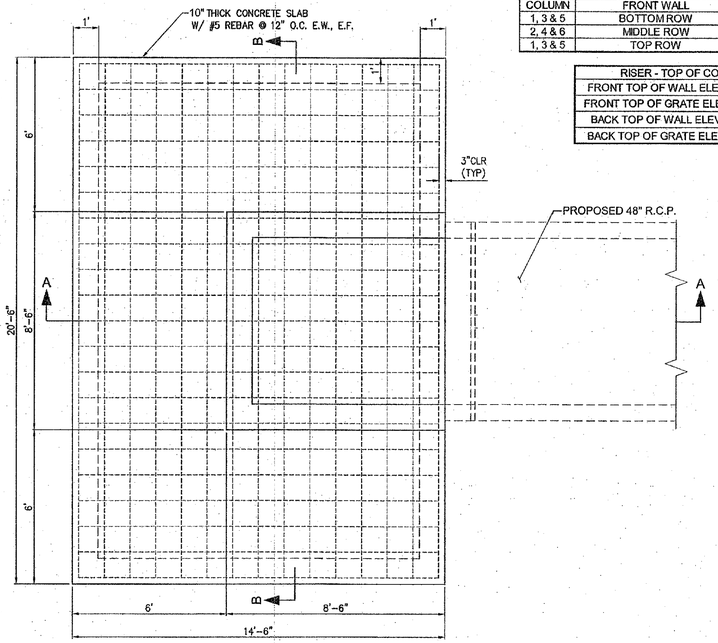
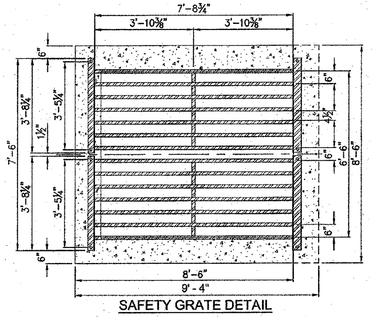
PORTED RISER - PORT ELEVATIONS					
COLUMN	EAST & WEST SIDE WALLS	OUTSIDE FACE INV. EL.	OUTSIDE TOP OF PORT	INSIDE FACE INV. EL.	INSIDE TOP OF PORT
1, 3, 5 & 7	BOTTOM ROW	5490.00	5490.58	5490.58	5491.15
2, 4 & 6	MIDDLE ROW	5491.15	5491.73	5491.73	5492.31
1, 3, 5 & 7	TOP ROW	5492.31	5492.89	5492.89	5493.46
COLUMN	FRONT WALL	OUTSIDE FACE INV. EL.	OUTSIDE TOP OF PORT	INSIDE FACE INV. EL.	INSIDE TOP OF PORT
1, 3 & 5	BOTTOM ROW	5490.00	5490.58	5490.58	5491.15
2, 4 & 6	MIDDLE ROW	5491.15	5491.73	5491.73	5492.31
1, 3 & 5	TOP ROW	5492.31	5492.89	5492.89	5493.46

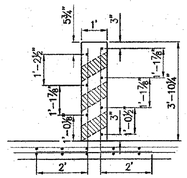
RISER - TOP OF CONCRETE ELEVATIONS	
FRONT TOP OF WALL ELEV	5493.85
FRONT TOP OF GRATE ELEV	5494.02
BACK TOP OF WALL ELEV	5495.02
BACK TOP OF GRATE ELEV	5495.33



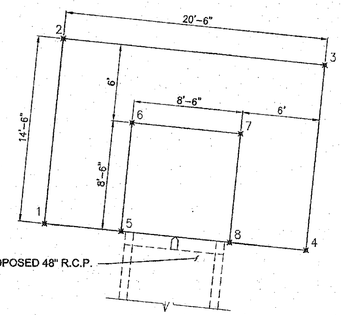
PORTED RISER DETAIL
PLAN VIEW
N.T.S.



SAFETY GRATE DETAIL



REBAR SPACING DETAIL

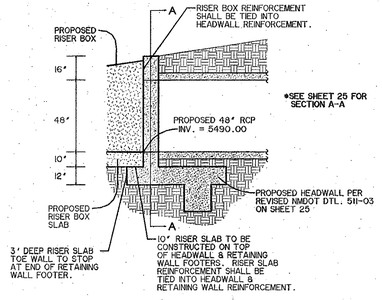


LAYOUT PLAN
N.T.S.

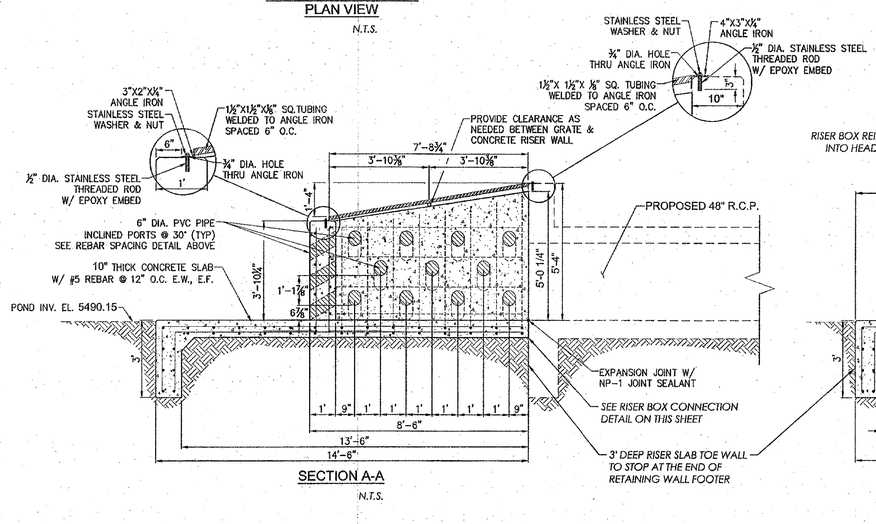
POINT TABLE				
POINT#	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	SW COR	5490.10	1536757.683	1497693.413
2	NW COR	5490.15	1536767.213	1497682.485
3	NE COR	5490.15	1536782.883	1497695.960
4	SE COR	5490.10	1536773.132	1497706.887
5	PR SW TOE	5490.00	1536762.205	1497697.357
6	PR NW TOE	5490.00	1536767.791	1497690.951
7	PR NE TOE	5490.00	1536774.197	1497696.538
8	PR SE TOE	5490.00	1536768.611	1497702.944

*PR=PORTED RISER

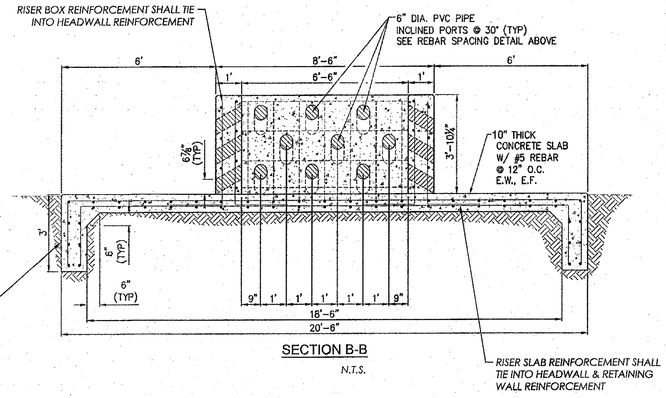
LAYOUT CONTROL POINTS



RISER BOX CONNECTION DETAIL
NTS



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

GENERAL NOTES:

- 24" SUBGRADE COMPACTION UNDER ALL NEW WORK. COMPACTION TO 95% ASTM D-1557.
- ¾" CHAMFER TYPICAL ON ALL EXPOSED CONCRETE EDGES.
- 3 ROWS AND 7 COLUMNS (STAGGERED AS SHOWN ON SECTION A-A) OF 6" DIA. PVC PIPE @ 30° (TYP) ON EACH SIDE WALL OF RISER FOR A TOTAL OF 22 INCLINED PORTS.
- 3 ROWS AND 6 COLUMNS (STAGGERED AS SHOWN ON SECTION B-B) OF 6" DIA. PVC PIPE @ 30° (TYP) ON FRONT WALL OF RISER FOR A TOTAL OF 9 INCLINED PORTS.
- COORDINATE REBAR SPACING WITH PORT LOCATIONS. SEE REBAR SPACING DETAIL ABOVE.
- ALL WELDS ON SAFETY GRATE TO BE ⅜" FILLET. ALL CUTS AND WELDS SHALL BE CLEANED THOROUGHLY WITH A WIRE BRUSH AND OR SAND BLAST.
- PAINT ALL EXPOSED STEEL WITH ONE COAT OXIDE PRIMER AND TWO COATS OF EXTERIOR LATEX PAINT. FINISH PAINT COLOR SHALL BE "OSHA SAFETY BLUE". PROVIDE COLOR SAMPLE TO OWNER FOR APPROVAL.
- CORNER BARS TO MATCH HORIZONTAL SIZE AND SPACING WITH 24" MIN. OVERLAP TYPICAL ALL CORNERS.

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM, TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/24 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868
1/4/24
DATE

RONALD R. BOHANNAN NEW MEXICO SEAL 7868 REGISTERED PROFESSIONAL ENGINEER

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

City of Rio Rancho

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90963 ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

PORTED RISER DETAILS

ENGINEER'S SEAL
CHRISTOPHER R. HUTTE
NEW MEXICO
20459
12/29/2020
PROFESSIONAL ENGINEER

PROJECT NO.	10820
DESIGNED BY:	CRH
DRAWN BY:	KJJ
CHECKED BY:	CRH
DATE:	12/28/20
DPW CHK:	

SHEET:
DE 6/21/22
26 of 30

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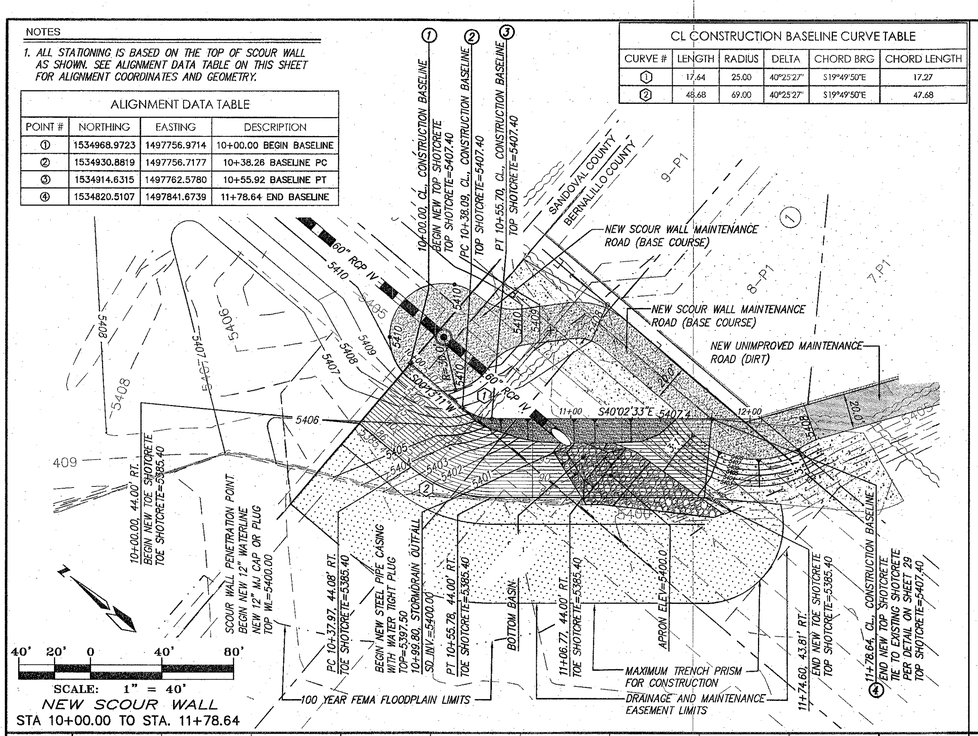
RECORD DRAWINGS

NOTES

1. ALL STATIONING IS BASED ON THE TOP OF SCOUR WALL AS SHOWN. SEE ALIGNMENT DATA TABLE ON THIS SHEET FOR ALIGNMENT COORDINATES AND GEOMETRY.

ALIGNMENT DATA TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
①	1534968.9723	1497756.9714	10+00.00 BEGIN BASELINE
②	1534930.8819	1497756.7177	10+38.26 BASELINE PC
③	1534914.6315	1497762.5780	10+55.92 BASELINE PT
④	1534820.5107	1497841.6739	11+78.64 END BASELINE

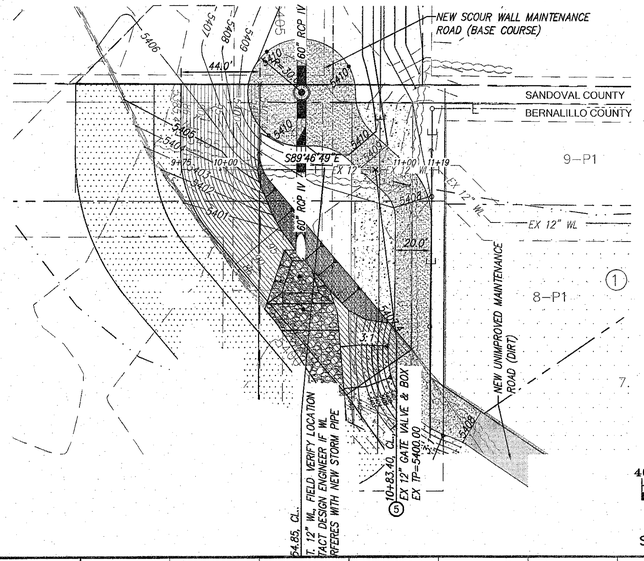
CL CONSTRUCTION BASELINE CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD BRG	CHORD LENGTH
①	17.64	25.00	40°25'27"	S19°49'50"E	17.27
②	48.68	69.00	40°25'27"	S19°49'50"E	47.68



NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF 12" WATERLINE AS SHOWN.

EXISTING GATE VALVE TIE IN			
POINT #	NORTHING	EASTING	DESCRIPTION
⑤	1534921.0705	1497821.4338	10+83.40 ALIGNMENT TIE IN



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/4/22 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 RELEASE OF LOMR

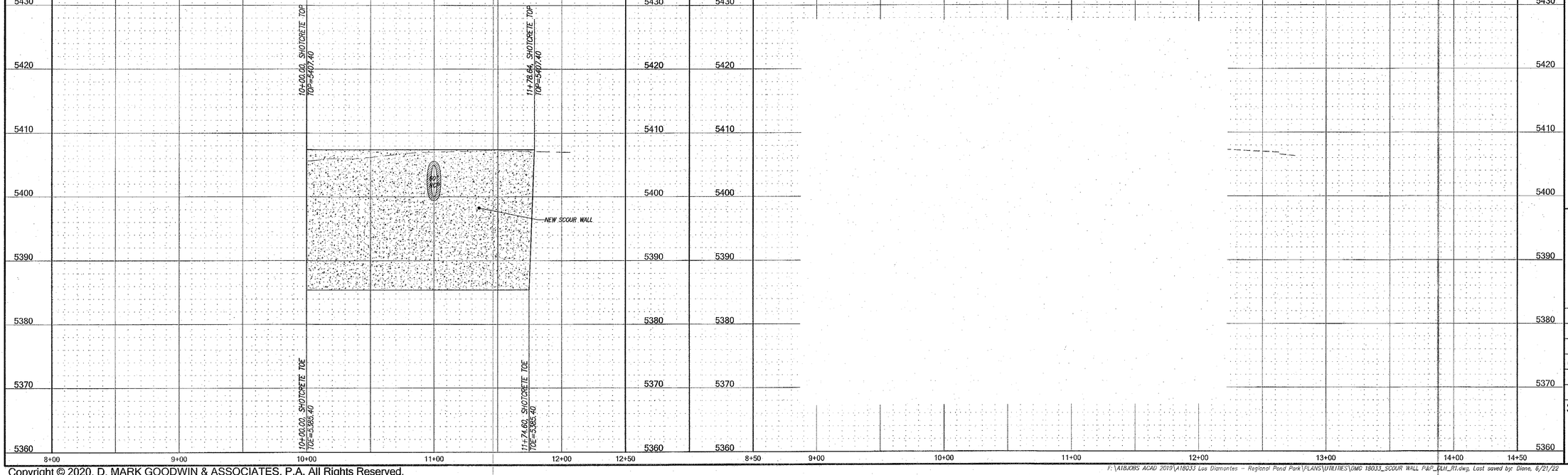
EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868
1/4/22
DATE

RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

PROFILE SCALE:
1"= 40' HORIZ.
1"= 8' VERT.



NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

City of Rio Rancho
The Great Seal of the City of Rio Rancho New Mexico 1981

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CIVIL ENGINEERING
P.O. BOX 90238, ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-4539

LOS DIAMANTES
OFF-SITE REGIONAL POND

SCOUR WALL & WATERLINE
RELOCATION
PLAN & PROFILE

ENGINEER'S SEAL
D. MARK GOODWIN NEW MEXICO 8948 LICENSED PROFESSIONAL ENGINEER
6/21/22

PROJECT NO.	A18033
DESIGNED BY:	DLH
DRAWN BY:	DER
CHECKED BY:	DMG
DATE:	6/21/22
DPW CHK:	

SHEET:
DE 6/22/22
27 of 30

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F:\A18JOBS ACAD 2019\A18033 Los Diamontes - Regional Pond Park\PLANS\UTILITIES\DMG 18033_SCOUR WALL P&P_DLH_R1.dwg, A18033 SCOUR WALL 40 P&P, 6/21/2022 12:19:02 PM

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RECORD DRAWINGS

A.M.A.F.C.A. STANDARD SPECIFICATIONS FOR SHOTCRETE

Section 625
SHOTCRETE

Add the following section:

625.1 GENERAL

625.11 This work shall consist of construction of the shotcrete channel lining utilizing the shotcrete process, including mixing, placing, finishing, testing and curing as shown in the contract in compliance with these specifications:

625.12 The requirements of New Mexico Department of Transportation (NMDOT) Standard Specifications for Highway and Bridge Construction Section 509 - Portland Cement Concrete Mix Designs, Section 510 – Portland Cement Concrete, and Section 519 - Shotcrete shall apply where appropriate and not expressly modified by these specifications. Fly Ash shall be used in all concrete and shotcrete per NMDOT Section 509.

625.13 The design mixes must be submitted by the Contractor for approval by the Project Manager prior to placement.

625.2 MATERIALS

625.21 All requirements of New Mexico Department of Transportation (NMDOT) Standard Specifications for Highway and Bridge Construction Section 509 - Portland Cement Concrete Mix Designs shall apply except as modified herein. Shotcrete shall have a minimum compressive strength of 4,000 PSI at 28 days, 6.5% plus or minus 1.5% air content, and a slump of 1-1/2" to 4". Plastic properties shall be measured on a sample taken directly out of the truck. NMDOT Section 509.2.7.5.2 shall not be applicable to shotcrete as defined by this specification. Shotcrete shall be tinted in accordance with Subsection 625.211 of these specifications.

625.211 Tinted concrete will be made by the addition of an approved concrete coloring agent to the concrete mix. The coloring agent will be added in addition to other concrete ingredients and no reductions to other ingredients will be made.

The concrete coloring for use on this project shall be:

DAVIS COLOR OR APPROVED EQUAL

	lbs./sack of cement	Color number
San Diego Buff	1 lbs./sack	5237

Coordination with the General contractor, shotcrete subcontractor, and AMAFCA Project Manager will be required prior to any shotcrete placement.

625.22 Shotcrete Aggregate. Shotcrete aggregate shall meet the aggregate quality requirements set forth in NMDOT Section 509.2.3 where applicable. The aggregate shall comply with the following combined gradation requirements.

Sieve Size	Percent Passing
½ inch	100
3/8 inch	90-100
No. 4	70 – 85
No. 8	50 – 70
No. 16	35 - 55
No. 30	20 – 35
No. 50	8 – 20
No. 100	2 - 10

625.23 Mix Materials. Shotcrete shall be mixed and pneumatically applied by the wet-mix process. The concrete shall meet the minimum requirements set forth in NMDOT Section 519 including the addition of air entrainment, fly ash, and tint.

625.24 Preconstruction Testing:

Mockup panel simulating actual field conditions shall be fabricated prior to start of construction. Mockup panel shall be colored shotcrete for color approval prior to construction and shall be a minimum of 8'x20'. This preconstruction mockup panel can be incorporated into the planned work area or waived at the discretion of the AMAFCA Project Engineer and the Project Manager.

625.25 Quality Acceptance Tests:

Material Test Panel Frame Construction:
All material test panels shall be 16"x16" square, 6" deep, constructed of wood and sealed plywood with 45° sloped sides to permit escape of rebound. The panels shall contain no reinforcement or embedments. Panels shall be field cured using the same method implemented on the structure.

Compressive Strength:
Produce a material test panel not less than once a day, nor less than once for the first 30 cubic yards of shotcrete placed in a day, and then one panel for every 50 cubic yards or fraction thereof thereafter. Extract a minimum of five (5) compressive strength test cores from each material test panel which are three (3) inch x six (6) inch deep (length/diameter ratio of 2:1).

Minimum Compressive Strength:

28 days – 4,000 PSI

The mean compressive strength is acceptable if the average of three cores tested at the specified age is equal to or greater than 85% of the specified strength, with no individual strength test being less than 75% of the specified strength. This reduction factor is used to compensate for the effects that coring has on the extracted specimens.

Concrete Consolidation:
Prior to the start of construction, produce one certification test panel that is 36" x 36" square (8) inch deep with reinforcement that matches the design requirements. Extract a minimum of three (3) four (4) inch diameter cores from locations of intersecting reinforcing steel or mesh to check the adequacy of consolidation of shotcrete around and behind the reinforcement. One panel is required per project.

If deemed necessary by the AMAFCA Project Engineer and the Project Manager, the contractor shall shoot two certification test panels for each nozzle orientation and for each nozzle operator each day of the shotcrete production in the presence of the Project Manager.

All test panels shall be produced in accordance with ASTM C 1140.

625.3 CONSTRUCTION

625.31 Equipment and Workmen. Shotcreting shall be done only by experienced personnel. Nozzlemen should be ACI certified shotcrete nozzlemen, or equivalent, and have completed at least one similar application as a nozzleman on a similar project. When requested by the Project Manager, the Contractor shall furnish evidence that each foreman, nozzle operator and delivery equipment operator has done satisfactory work in a similar capacity elsewhere and is fully qualified to perform the work.

The Contractor shall furnish the Project Manager with copies of the manufacturer's specifications and operating instructions for the equipment used. No shotcrete shall be placed until the type of equipment and method of operation have been approved by the Project Manager.

625.311 Premixed Shotcrete. The mixing equipment shall be capable of thoroughly mixing the specified materials in sufficient quantity to maintain continuous placing.

625.32 Surface Preparation. The foundation for areas to receive shotcrete shall be evenly graded to the required elevation before the shotcrete is applied. The areas shall be thoroughly compacted with sufficient mixture to provide a firm foundation and to prevent absorption of water from the shotcrete.

Surfaces shall be free of surface water, loose material, or frozen material at the time of shotcrete application.

625.33 Forms and Reinforcement. Forms, headers, and shooting strips shall be provided and rigidly braced as required for backing. Ground or gaging wires and depth gages shall be used where necessary to establish and insure thickness, surface and finish lines.

Steel reinforcement shall be rigidly supported in the position shown in the contract. Metal chairs shall be used to properly anchor and place the reinforcement. All reinforcement shall be clean and free from loose mill scale, loose rust, overspray from previous shotcrete application, soil and other undesirable materials that interfere with bonding.

625.34 Placing. Each layer of shotcrete shall be built up by making several passes of the nozzle over the working area. When enclosing steel reinforcement, the nozzle shall be held so as to direct the material around the bars. The shotcrete shall emerge from the nozzle in a steady, uninterrupted flow. The nozzle shall be directed so as to result in minimum rebound. The velocity of the material as it leaves the nozzle shall be maintained uniform and at a rate determined for the given job conditions.

Contractor shall use appropriate form work to separate areas of different tinting and shall prevent adjacent areas from being discolored by overspray and rebound.

Rebound shall not be worked back into the construction or salvaged. Rebound that does not fall clear of the work shall be removed.

Shotcrete shall not be placed when the air temperature is below forty degrees (40°)F unless the air temperature is at least thirty-five degrees (35°)F and rising.

The mixing, transporting, and placement time for shotcrete materials shall not exceed 90 minutes. Additional water may be added at job site only if requested by the Project Manager. When additional water or admixtures are added, the drum shall be rotated a minimum of 30 additional revolutions at mixing speed prior to discharge. The ready-mix plant shall certify the material for weight, water, admixtures, and mixing time.

625.35 Finishing. After the shotcrete has been placed as nearly as practical to the required thickness, the ground wires may be removed, the surfaces shall be checked with a straight edge, and low spots or depressions shall be corrected by placing additional shotcrete in such a manner that the finished surface is natural as left by the nozzle and will be reasonably smooth and uniform.

Loose areas of shotcrete shall be removed and replaced by the Contractor at no additional cost.

625.36 Curing. Curing methods shall conform to the requirements of NMDOT Section 5.19.3.4.3, Curing and Protection and Section 519.3.4.3, Hot and Cold Weather Protection. In all cases, the period of protection shall be not less than 7 days.

625.37 Tolerance in Shotcrete Thickness. Acceptance of the finished channel lining with respect to thickness shall be on the basis of random core sampling, as designated by the Project Manager. At the discretion of the Owner, Project Manager, or Engineer, core samples may be required to confirm shotcrete thickness. If deficiencies are noted, the Project Manager may require additional core samples. All coring required by the Project Manager shall be at the Owner's expense.

Should the Contractor desire to have additional core samples taken, the additional samples shall be taken at the Contractor's expense.

Deduction for a deficiency in thickness shall be made according to the following: Thickness deficiency shall be based on the average thickness of the number of samples taken within each 500 or less linear feet of channel.

Thickness Deficiency	Percent of Contract Price allowed
0-1/2"	100%
Greater than 1/2"	Reject

Any 500 linear foot span of channel lining that is noted to be deficient in thickness by more than the reject level shall be removed and replaced at the Contractor's expense.

It shall be the responsibility of the Contractor to have the core holes immediately filled with fresh shotcrete. This shotcrete shall be of the same mix and of equivalent or greater compressive strength as the original. Non-shrink grout may be substituted to fill core holes with the prior approval of the project manager. Non-shrink grout shall be tinted to match the shotcrete and shall have a compressive strength equivalent or greater than the original shotcrete.

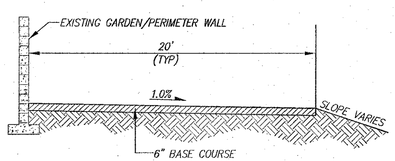
For quality acceptance, the Project Manager may have the core samples tested for compressive strength.

All cores will be measured in accordance with ASTM C-174.

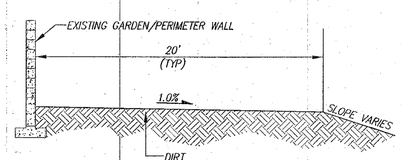
625.38 Method of Measurement. Shotcrete will be measured by the square yard parallel to the surface.

Basis for Payment. The accepted quantities of shotcrete will be paid for at the contract unit price per square yard. Such payment shall constitute full reimbursement for all materials, labor and equipment, subgrade prep used in the placement of all shotcrete, steel reinforcement, support chairs, forms, joints, tinting, finishing, curing, and all other necessary operations to complete the shotcrete in place. No extra payment will be made for additional shotcrete placed in excess of that shown on the plans unless directed by the Project Manager.

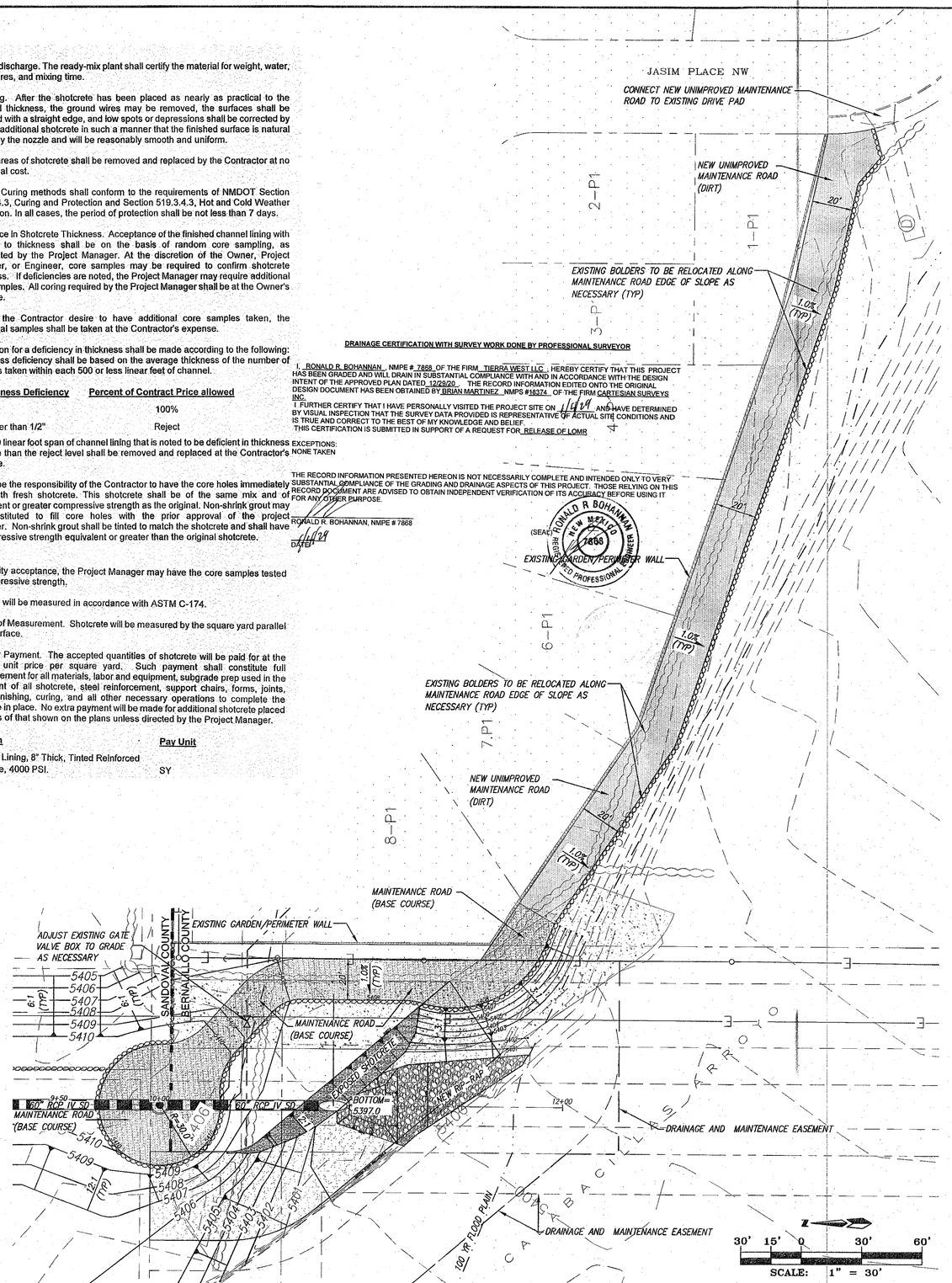
Pay Item	Pay Unit
Channel Lining, 8" Thick, Tinted Reinforced Shotcrete, 4000 PSI.	SY



ACCESS MAINTENANCE ROAD DETAIL
(WITH BASE COURSE)
SCALE: 1"=5'



ACCESS MAINTENANCE ROAD DETAIL
(UNIMPROVED-DIRT)
SCALE: 1"=5'



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/6/21 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.
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RONALD R. BOHANNAN, NMPE # 7868

DATE: 1/6/21

(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

City of Rio Rancho
The Heart of the City of Rio Rancho, New Mexico 1981

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

A.M.A.F.C.A. STANDARD
SHOTCRETE SPECIFICATIONS

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 LICENSED PROFESSIONAL ENGINEER
6/21/22

PROJECT NO.	A18033
DESIGNED BY:	DER
DRAWN BY:	DER
CHECKED BY:	DMG
DATE:	2/22/21
DPW CHK:	

SHEET:
DE 6/22/22
28 of 30

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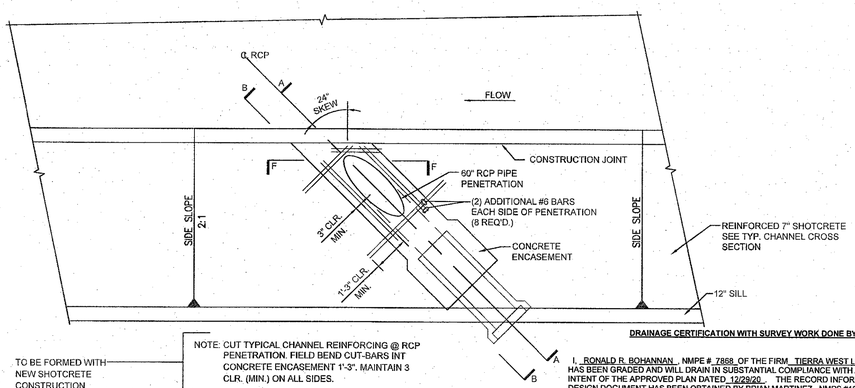
RECORD DRAWINGS



NOTE: CUT TYPICAL CHANNEL REINFORCING @ RCP PENETRATION. FIELD BEND CUT-BARS INT CONCRETE ENCASEMENT 1'-3". MAINTAIN 3 CLR. (MIN.) ON ALL SIDES.

TO BE FORMED WITH NEW SHOTCRETE CONSTRUCTION

PIPE PENETRATION (PLAN VIEW)
NO SCALE

SKEW ANGLE (DEGREES)	DIMENSION "A" FOR 2:1 SIDE SLOPE							
	PIPE DIAMETER (INCHES)							
	24	30	36	42	48	54	60	72
0-10	5'-9"	6'-9"	7'-10"	8'-10"	9'-10"	10'-10"	11'-11"	13'-11"
>10-20	5'-11"	7'-0"	8'-1"	9'-2"	10'-3"	11'-3"	12'-4"	14'-6"
>20-30	6'-4"	7'-6"	8'-7"	9'-9"	10'-11"	12'-1"	13'-3"	15'-7"
>30-45	7'-4"	8'-9"	10'-2"	11'-7"	13'-0"	14'-5"	15'-10"	18'-9"
(49.8)							(16'-0")	

THIS PROJECT — THIS PROJECT

DIMENSION "B"							
PIPE DIAMETER (INCHES)							
24	30	36	42	48	54	60	72
10"	11"	1'-1"	1'-2"	1'-3"	1'-4"	(1'-6")	1'-8"

THIS PROJECT

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/23/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
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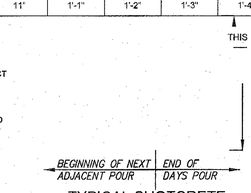
RONALD R. BOHANNAN, NMPE # 7888
DATE 11/9/21

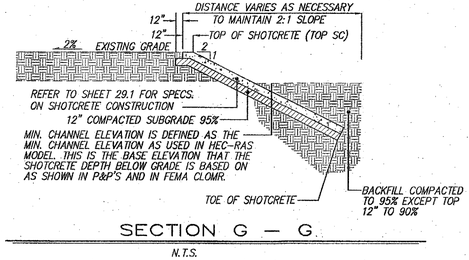
(SEAL) RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER



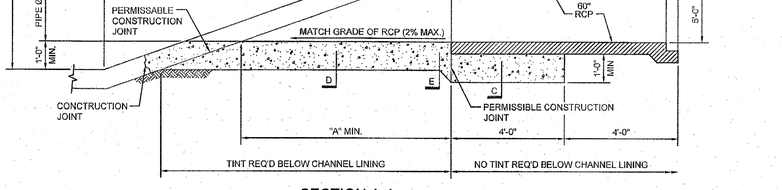
TYPICAL SHOTCRETE KEYED CONNECTION DETAIL
(BETWEEN TOURS) N.T.S.

NOTES

1. THE PIPE PENETRATION DETAILED HEREIN SHALL BE PAID FOR UNDER LUMP SUM AND SHALL BE COMPENSATION FOR THE PENETRATION COMPLETE AND IN PLACE. INCLUDED IN THIS WORK (BUT NOT LIMITED TO) IS GRADING, SUBGRADE PREPARATION, REINFORCED CONCRETE, CONSTRUCTION JOINTS, CONCRETE PLACEMENT AND FINISHING. NOTE THE MEASUREMENT FOR 7" SHOTCRETE IS CONTINUOUS AND UNINTERRUPTED AT THE PENETRATION LOCATION.
2. ALL CULVERT PIPE PLACED UNDER THE CHANNEL LINING OR WITHIN AMAFCA RIGHT-OF-WAY SHALL BE RCP CLASS III MIN.
3. FOR PIPE PENETRATIONS INTO EXISTING CHANNELS, USE CHANNEL REMOVAL DETAILS FROM AMAFCA STANDARD DRAWING 102.



SECTION G — G
N.T.S.



SECTION A-A
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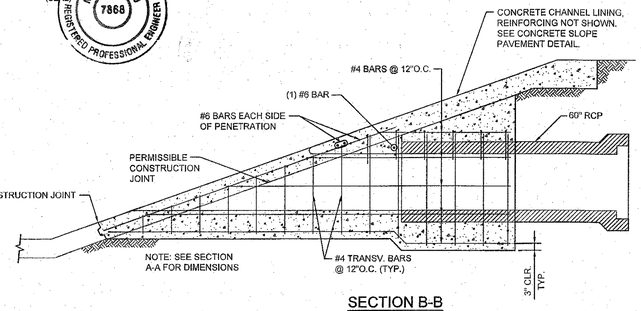

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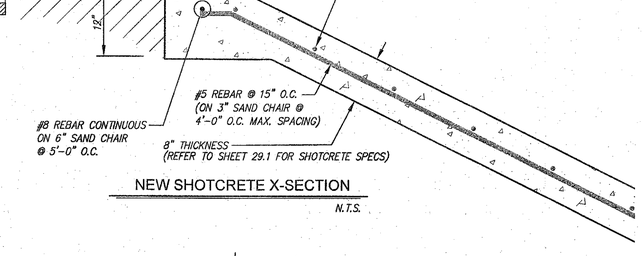
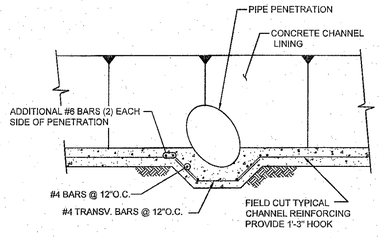


NEW SHOTCRETE X-SECTION
N.T.S.



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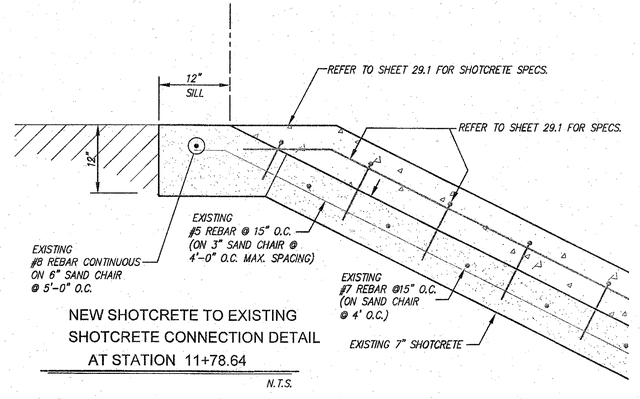
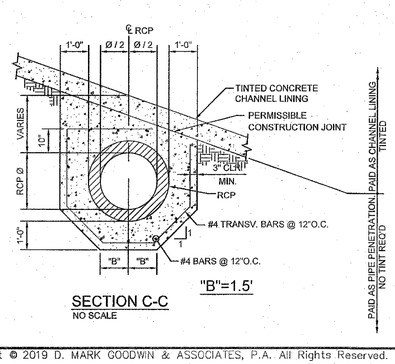
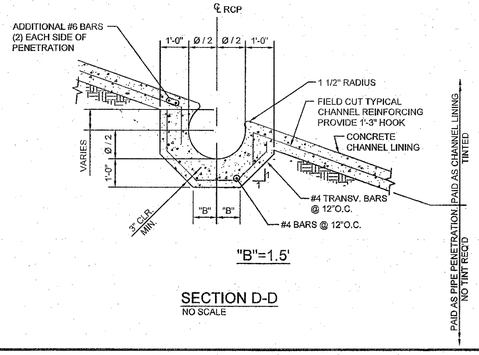


NEW SHOTCRETE TO EXISTING SHOTCRETE CONNECTION DETAIL AT STATION 11+78.64
N.T.S.



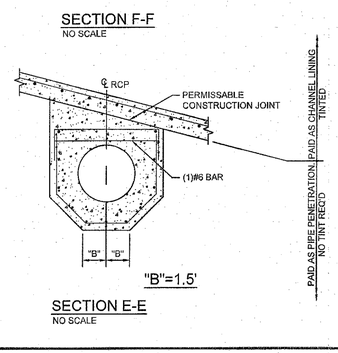
"B"=1.5'

SECTION C-C
NO SCALE



"B"=1.5'

SECTION D-D
NO SCALE



"B"=1.5'

SECTION E-E
NO SCALE

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS
P.O. BOX 92865, ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

NO.	DESCRIPTION	DATE	BY
1			
2			
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5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

City of Rio Rancho

LOS DIAMANTES
OFF SITE REGIONAL POND

PIPE PENETRATION DETAILS

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 LICENSED PROFESSIONAL ENGINEER
12-23-20

PROJECT NO.	A18033
DESIGNED BY:	DER
DRAWN BY:	DER
CHECKED BY:	DMG
DATE:	
DPW CHK:	

SHEET:
DE 6/21/22
29 of 30

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RECORD DRAWINGS

EXISTING BOULDERS TO BE RELOCATED ALONG EDGE OF MAINTENANCE ROAD AND ALONG EASEMENT AS NECESSARY (TYP)

SANDOVAL COUNTY / BERNALILLO COUNTY

EXISTING GARDEN/PERIMETER WALL

EXISTING BOLDERS TO BE RELOCATED ALONG MAINTENANCE ROAD EDGE OF SLOPE AS NECESSARY (TYP)

SEE SHEET 28 FOR SCOUR WALL MAINTENANCE ROAD CONTINUATION

NEW 20' WIDE ACCESS MAINTENANCE ROAD (BASE COURSE)

NEW 30' WIDE ACCESS MAINTENANCE ROAD (BASE COURSE)

60" RCP IV SD

NEW RIP-RAP

EXPOSED SHOTCRETE

SD INV.=5400.0

BOTTOM=5397.0

BOTTOM SCOUR WALL=5385.4

DRAINAGE AND MAINTENANCE EASEMENT

MAXIMUM TRENCH PRISM LIMITS

100 YR FLOOD PLAIN

DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868, OF THE FIRM TIERRA WEST LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/20/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS #18374, OF THE FIRM CARTESIAN SURVEYS INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1/14/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE # 7868
1/14/21
DATE

(SEAL)

RONALD R BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

SCALE: 1" = 10'

hs (depth of basin) = 3.00 FT.
LB = 45.0
LS = 30.0
LA = 15.0
INV.= 5400.0
5' DIA. RCP IV SD
3.00' DEEP
BOT=5400.0
BOTTOM=5397.00
Dso =12"
THICKNESS=24"

STORM DRAIN IMPACT BASIN OUTFALL DETAIL
SCALE: 1"=10'

NOTES

1. CONSTRUCTION BASELINE STATIONING IS BASED ON THE CENTERLINE THE NEW 60" RCP STORM DRAIN PIPE AS SHOWN.

Curb Curve Table @ FL

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	25.23	30.00	48.19	N71° 38' 17"W	24.49
C2	16.76	20.00	48.01	N23° 32' 14"W	16.27
C3	8.92	30.00	17.04	N8° 59' 12"E	8.89
C4	79.04	50.00	90.57	N27° 46' 54"W	71.06

NO.	DESCRIPTION	DATE	BY
7			
6			
5			
4			
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

City of Rio Rancho

OWNER/DEVELOPER
LD DEVELOPMENT, LLC

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO, 87199
(505)938-2200, FAX (505)797-9539

LOS DIAMANTES
OFF SITE REGIONAL POND

STORM DRAIN IMPACT BASIN
AND
OUTFALL GRADING DETAILS

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 12-14-20

PROJECT NO.	A18033
DESIGNED BY:	DER
DRAWN BY:	DER
CHECKED BY:	DMG
DATE:	11/12/20
DPW CHK:	

SHEET:
DE 6/21/22
30 of 30

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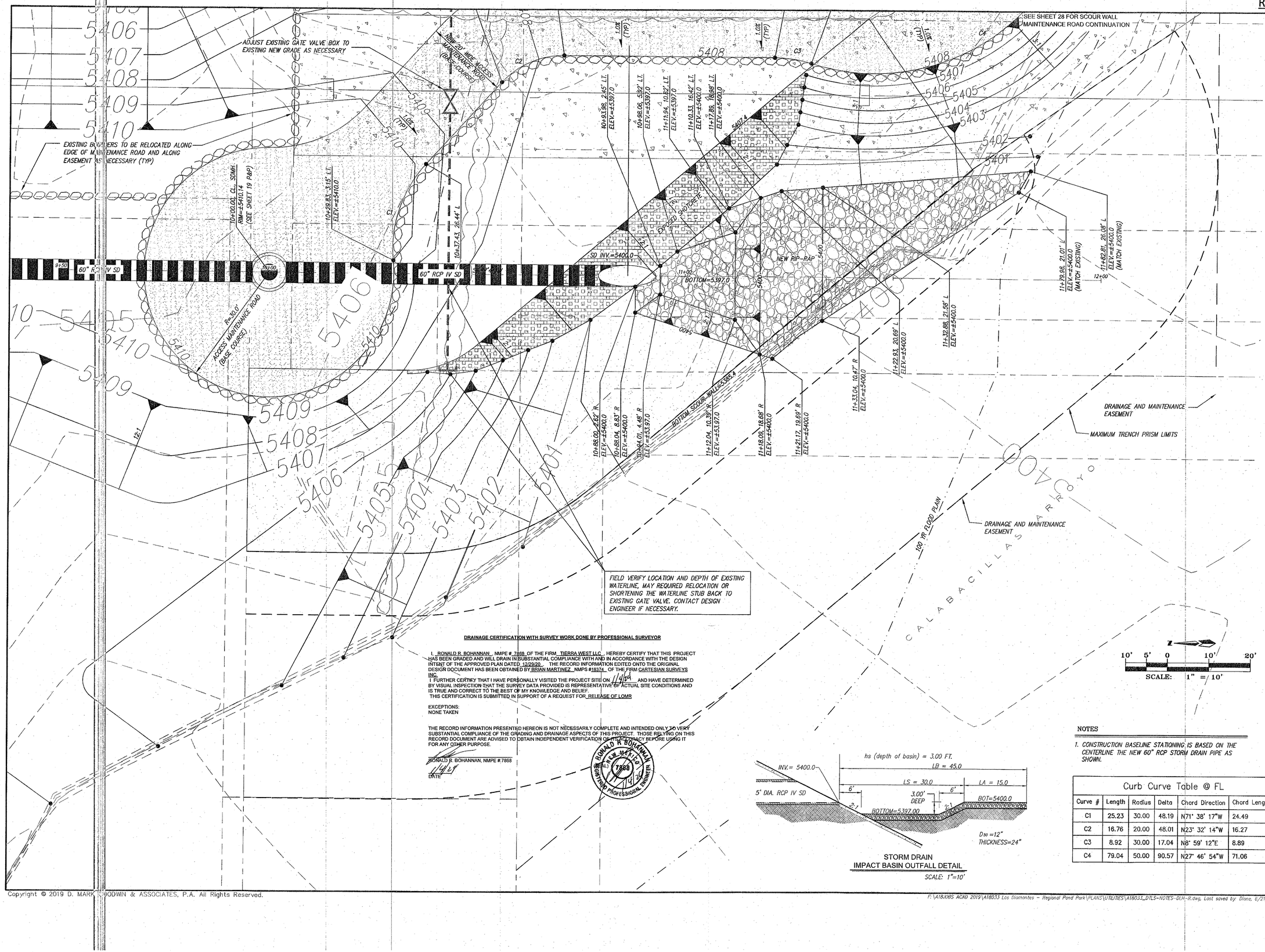
RECORD DRAWINGS



DRAINAGE CERTIFICATION WITH SURVEY WORK DONE BY PROFESSIONAL SURVEYOR

I, RONALD R. BOHANNAN, NMPE # 7868 OF THE FIRM TIERRA WEST LLC HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/29/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ NMPS #18374 OF THE FIRM CARTESIAN SURVEYS INC.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/4/21 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 RELEASE OF LOMR

EXCEPTIONS:
NONE TAKEN

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERY 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.

RONALD R. BOHANNAN, NMPE #7868
11/4/21
DATE

RONALD R. BOHANNAN NEW MEXICO 7868 REGISTERED PROFESSIONAL ENGINEER

STORM DRAIN
IMPACT BASIN OUTFALL DETAIL
SCALE: 1"=10'

NOTES

1. CONSTRUCTION BASELINE STATIONING IS BASED ON THE CENTERLINE THE NEW 60" RCP STORM DRAIN PIPE AS SHOWN.

Curb Curve Table @ FL

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
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LD DEVELOPMENT, LLC

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LOS DIAMANTES
OFF SITE REGIONAL POND

STORM DRAIN IMPACT BASIN
AND
OUTFALL GRADING DETAILS

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 LICENSED PROFESSIONAL ENGINEER
6-21-22

PROJECT NO.	A18033
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SHEET:
DE 6/22/22
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