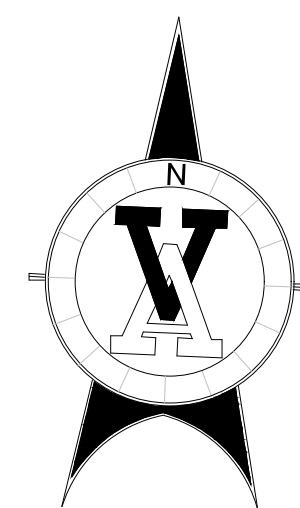


ALLIGATOR CREEK TRAIL PHASE 1 CONTRACT #NB

100% CONSTRUCTION DOCUMENTS 3/12/2024



LOCATION MAP
SCALE: 1"=400'

SHEET LIST	
Sheet Number	Sheet Title
C1	COVER SHEET
C2	GENERAL NOTES
C3	TRAIL OVERALL LAYOUT AND CONTROL PLAN
C4	STORMWATER POLLUTION PREVENTION PLAN
C5	STORM WATER POLLUTION PREVENTION PLAN DETAILS
C6	TREE PRESERVATION PLAN
C7	TREE REMOVAL PLAN
C8	TRAIL CULVERT DETAILS
C9	TRAIL PATH A PLAN AND PROFILE STA 11+68-21+00
C10	TRAIL PATH A PLAN AND PROFILE STA 21+00-31+00
C11	TRAIL PATH A PLAN AND PROFILE STA 31+00-41+00
C12	TRAIL PATH A PLAN AND PROFILE STA 41+00-51+00
C13	TRAIL PATH A PLAN AND PROFILE STA 51+00-62+91
C14	TRAIL PATH B & C PLAN AND PROFILE
C15	TRAIL PATH D & E PLAN AND PROFILE
C16	TRAIL DETAILS
L1.0	OVERALL LANDSCAPE CONSTRUCTION PLAN
L1.1-L1.7	ENLARGED LANDSCAPE CONSTRUCTION PLAN
L1.8	LANDSCAPE CONSTRUCTION DETAILS

NOTES:

PROJECT DESCRIPTION:
- 6313 LINEAR FEET 10 FOOT WIDE TRAIL LOCATED ON A 46 ACRE TRACT IN NEW BRAUNFELS, TEXAS BETWEEN OAK CREEK ESTATES PHASE 1 & 2

DESIGN CODES:
- AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES (2012)

RESTRICTIONS:
- FEMA FLOOD ZONE AE PER MAP NUMBER 48091C0455F DATED SEPTEMBER 2, 2009

PREPARED FOR:



V VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3274
Firm Registration No: F-159



SHEET C1

FOR CONSTRUCTION

City of New Braunfels

General Notes (revised March 2023)

General

1. All work shall conform to the Texas Department of Transportation (TxDOT) Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, November 2014, and the City of New Braunfels details and standards.

2. All work shall be performed in accordance with all applicable federal, state, and local laws, regulations, and ordinances.

3. The contractor shall always maintain a copy of the latest contract construction plans and specifications on-site.

4. The contractor shall obtain all permits and inspections required to complete the work (no separate pay item).

5. The contractor shall provide an emergency telephone number for evenings, weekends, and holidays before construction. The contractor shall respond to the city within two hours of the initial contact.

6. The contractor's personnel, including subcontractors, shall always wear identifying clothing or hats on-site.

7. The contractor shall field verify and protect all existing utilities prior to construction. The contractor shall comply with Texas excavation laws, contact Texas-811 72 hours before any work in the area, and maintain current locates throughout the project. The contractor shall coordinate all work individually with adjacent utilities in the area, including but not limited to: CenterPoint Energy (gas), NBU electric, NBU water, AT&T communications, Spectrum cable, City Public Works Department, City Fire Department, and TxDOT.

8. The contractor shall preserve all survey monuments and site markings provided. The contractor shall be responsible for all construction staking required for the successful completion of the project.

9. The contractor shall verify project elevations. The term "match existing" shall signify both horizontal and vertical alignment.

10. The contractor shall prepare a construction phasing plan detailing limits of construction for each phase. The phasing plan shall be submitted to the city for approval prior to construction. The contractor will not be allowed to work out of phase unless written approval has been obtained from the city for the phase change. The phasing plan shall include traffic control and haul routes.

11. The contractor is responsible for all subsidiary work and the means and methods necessary to complete the project.

12. The contractor shall provide written notification to the city and design engineer of discrepancies between the construction plans and specifications. The more stringent requirements shall govern unless otherwise directed in writing by the city.

13. The contractor shall provide written notification to the city and design engineer of discrepancies between the site conditions and the construction plans prior to construction. The contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.

Site:

1. The contractor shall assume sole and complete responsibility for job site conditions during the construction of the project, including the security and safety of all persons and property; this requirement shall apply continuously and not be limited to normal working hours.

2. The contractor shall keep all areas within and adjacent to construction areas free from overgrown vegetation and all construction debris and be safe for pedestrian and vehicle traffic before, during, and after construction.

3. The contractor shall implement best management practices regarding dust, dirt, and erosion control. Contractor may be responsible for additional mitigation upon request of owner. The street pavement, driveways, sidewalks, and walkways within and adjacent to the project shall be swept free of mud and all debris removed from the work area daily.

4. The contractor shall install and maintain the project sign in accordance with city standards and specifications.

5. The contractor shall remove, protect, relocate, or reinstall items requested by the city as directed by the owner.

6. The contractor shall repair any damage caused by the contractor outside of the designated work area. Any existing off-site improvements that are damaged or undercut by the contractor's operations shall be repaired or replaced as directed by the engineer and approved by the city the existing improvements at the contractor's expense (no separate pay item).

7. The contractor shall remove all waste materials. The city shall approve the location for the disposal of construction materials prior to construction. The contractor shall not place any waste material in the 100-year flood plain. No waste materials shall be placed in existing lows that will block or alter flow limits of existing or natural drainage.

8. Drainage improvements sufficient to mitigate the impact of construction shall be installed prior to adding impervious cover. All drainage improvements shall begin at the outfall to ensure positive drainage throughout construction.

9. The contractor shall maintain a safe, drivable surface free from potholes, rutting, and hazardous conditions throughout the project.

Erosion control:

1. The contractor shall develop and implement a Stormwater Pollution Prevention Plan (SWP3) and submit it to the city prior to construction. The SWP3 shall include all disturbed areas by the construction, including borrow, staging, and storage areas. The SWP3 with required inspection reports must be kept up to date and kept on the construction site at all times. The contractor shall prepare a Notice of Intent (NOI) and secure a permit from Texas Commission on Environmental Quality (TCEQ) for large construction sites of 5 or more acres of disturbed area with a copy of the NOI and the required construction site notices posted at the construction entrance in clear view of the public during the construction. For large construction sites, after the site is 70% or greater stabilized so that there is no further danger of erosion and sedimentation pollution from the site disturbed areas, the contractor must prepare and submit a Notice of Termination (NOT) to TCEQ. A copy of the NOI and NOT must be submitted to the city for each project. See TCEQ regulations for SWP3 requirements.

2. All erosion control measures shall be in place prior to any construction activities. The erosion control measures shall remain in place and functional until after the proposed improvements are in place and vegetation is established. The contractor is ultimately responsible for effectively controlling erosion and sedimentation.

3. Adjustments and repairs to the erosion control devices shall be made as needed at the contractor's expense.

4. Stabilized construction area shall be constructed of 3 in x 5 in rock to be placed at a minimum length of 25 ft and maintained so that construction debris does not fall within the city right-of-way. The right-of-way must be cleared of mud, rocks, dust, etc., at all times.

5. Seed/soil shall be furnished to establish ground cover over all disturbed areas as required by the contract documents. The contractor shall not wait until the completion of the entire project before doing this work. The project shall not be considered for acceptance by the city unless the establishment of 80% ground cover is ensured.

Seeding to establish vegetation within constructed earthen channels, basins and disturbed areas shall be conducted per Item 164 (seeding for erosion control of TxDOT's Standard Specifications). Only seed types and mixes specified for the San Antonio District (District 15) in tables 1 and 2 under Item 164 shall be utilized. During the cool season (Sept 1-Nov 30), cereal rye and seed species specified for the San Antonio District in table 3 may be used.

6. It may be deemed necessary to incorporate topsoil and soil amendments (i.e., compost/ fertilizer) into existing soil in order to facilitate vegetation growth. Topsoil, compost, and fertilizer additions shall be conducted according to items 160, 161 and 166 of TxDOT's Standard Specifications.

7. Areas requiring permanent vegetation (earthen channels, ponds, etc.) are required to meet Item 160 of TxDOT's Standard Specifications. Testing per TEX-128-E may be required at the city's request.

8. Watering may be necessary to facilitate and expedite the sprouting and growth of vegetation. Item 168 of TxDOT's Standard Specifications shall be adhered to for vegetative watering.

9. If extended drought conditions exist that hinder or prohibit the growth and establishment of vegetation, the contractor shall provide a plan to the city describing the measures that will be taken to stabilize earthen drainage infrastructure until a time when growing conditions become more favorable.

Traffic:

1. The contractor shall be responsible for ensuring that all traffic control devices and barricades are properly installed and maintained in accordance with the plans, specifications, and Texas Manual on Uniform Traffic Control Devices (TMUTCD).

2. These notes do not, in and of themselves, constitute a traffic control plan. In the event that these plans do not include traffic control, or that the contractor wishes to vary from traffic control included with the construction plans, the contractor shall submit a traffic control plan to the city for review and approval prior to construction. The city inspector and engineering representative will only be responsible to inspect the traffic control devices and barricades. If, in the opinion of the city inspector or engineering representative, the traffic control devices do not conform to established standards or are incorrectly placed or are insufficient in quantity to protect the general public, the city inspector shall have the option to stop construction

LEGEND

● SET 1/2 INCH IRON ROD w/ V/A PROPERTY CORNER CAP.

○ FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)

R.O.W. RIGHT OF WAY

BSL BUILDING SETBACK LINE

RCPA REINFORCED CONCRETE PIPE

GETCA GAS, ELECTRIC, TELEPHONE, CABLE

VOL. VOLUME

PG. PAGE

EX. EXISTING

ESM'T CASEMENT

—○— FENCE

— 675 — EXISTING CONTOURS

— 675 — PROPOSED CONTOURS

CONCRETE SIDEWALK

ALLIGATOR CREEK CENTERLINE

FLOODWAY

100 YR FLOOD PLAIN

500 YR FLOOD PLAIN

REQUIRED PERMITS & WORK ORDERS

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND WORK ORDERS FROM THE VARIOUS GOVERNMENTAL AND UTILITY AGENCIES REQUIRED FOR CONSTRUCTION. KNOWN PERMIT AND WORK ORDER REQUIREMENTS AT TIME OF PLAN PREPARATION ARE DESCRIBED AS FOLLOWS:

SITework & FLOOD PERMIT

BUILDING INSPECTIONS DEPT.
550 LANDA ST. NEW BRAUNFELS, TX 78130
PHONE: (830) 221-4000

GENERAL CONCRETE NOTES

1. All forms shall be well braced and straight.

2. All steel shall be free of grease, scale, & dirt.

3. Concrete shall reach a minimum strength of 2500 psi at 28 day test. Concrete shall not be placed in excess of 5" slump without prior approval of the engineer.

4. All #3 reinforcing bars shall be astm a-615 40 grade steel, all #4 or larger bars shall be astm a-615 grade 60.

5. Contractor shall verify all the dimensions.

6. If rock is encountered, the total depth of the beams may be reduced only with the approval of the engineer, prior to pre-pour inspection.

7. Laps and splices shall be minimum of 30 bar diameter. 2- #6 corner bars shall be installed at the exterior corners (Top & Bottom).

8. All bars shall be tied at every intersection. All steel shall be supported to prohibit lateral or vertical movement.

9. Slab/Paving reinforcing matrix to be 12" on center unless indicated otherwise.

10. Concrete truck mixer; turn counter to be "0" at the batch plant and the number of turns at the form site not to exceed "300".

11. The time from charging the concrete truck to placing in the forms shall not exceed 45 minutes at 95 degree fahrenheit ambient temperature.

12. In all soil types, the roots of existing trees that extend under the slab shall be cut and medicated with an asphaltic compound (pruning paint).

TREE PRESERVATION NOTES

1. TREE PRESERVATION: Tree Preservation Requirements shall be accomplished in accordance with section 144-5.3 of the current Unified Development Code of the City of New Braunfels, Texas.

2. All conditions necessitating the removal or pruning of a tree shall be reviewed by Landscape Architect. Locations of any improvements with the potential of impacting trees shall be staked/delineated prior to the field review. Contractor will be required to make reasonable adjustments in layout of elements (including curbs, paving and walks) per approval of Owner.

3. All woody material to be removed shall be chipped into mulch. Subsequent mulch material may be placed on site within RPZ's at trees adjacent to construction & natural areas. Material not used on site is to be removed and properly disposed of by Contractor.

4. Significant & heritage trees shall be removed only under the following situations only with prior approval of Landscape Architect & Owner:

a. Cut/fill greater than three (3")inches to take place beneath the drip-line of a tree exceeds 50% of the root protection zone (rpz).

b. Construction of a building or other improvements require the removal of more than 30% of the viable portion of a tree crown.

c. Poor condition of tree.

5. Barricade fencing shall be placed to protect RPZ of all trees to remain unless otherwise approved by Landscape Architect to provide access to work. In these instances the minimum distance for barricade fencing from trunk shall be equal to 50% minimum of RPZ. Minimum distance barricade to be erected is 5'-0" from trunk of tree or clump of trees for trees 10" caliper or less. Refer to tree preservation related details for tree barricade fencing and root protection zone work restrictions.

6. Construction envelope at site improvements shall be limit of area within selective cleared area which can be completely disturbed by construction. Any significant or heritage trees encountered are to be reviewed on an individual basis to determine modification to location of pathway/trail/improvements. Routing of utilities to be confirmed with Landscape Architect and Owner; make adjustments as directed at no additional cost to contract.

7. Contractor shall provide a City Certified professional Arborist for proper tree pruning and all tree care and maintenance practices.

8. Contractor shall not clean painting equipment or any other materials under the existing tree canopies.

SOILS & SUBGRADE

THE CONTRACTOR SHALL PREPARE THE SUB-GRADE TO ALLOW FOR THE INSTALLATION OF 5" OF TOPSOIL IN TURF AREAS BACK OF CURB. SUBGRADE SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE OF WATER. REFER TO CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE. EXISTING SOILS SHALL NOT BE USED FOR TURF AREAS.

EXCAVATED MATERIALS OR OTHER MATERIALS REMOVED FROM SITE (NOT USED ON SITE) SHALL BE TESTED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR SHALL PROVIDE A RECEIPT FROM LANDFILL COMPANY UPON REQUEST.

ALL DISTURBED AREAS, BOTTOM OF CREEK AND SIDE SLOPES SHALL BE RECOMPACTED AND REVEGETATED WITH NATIVE GRASS SEED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.

operations at no expense to the city until such time as the conditions are corrected by the contractor.

3. The contractor shall notify the city immediately if there is any conflict between the TMUTCD and traffic control requirements within the contract documents.

4. If the need arises, the city inspector or engineering representative may require the relocation and additional traffic control devices and barricades at the contractor's expense.

5. The contractor shall notify TxDOT, county, adjacent city, and private owner prior to working at their owned or maintained roadway and intersection.

6. For all road closure requests, the contractor shall submit and obtain City approval of a traffic control plan and work schedule at least two (2) weeks prior to commencing work associated with the road closure.

7. Work around schools shall be scheduled to minimize impacts to the school. Streets and access shall not be closed during the time students are being dropped off and picked up from school. Work within a school zone can only occur between the hours of 9 am and 3 pm as approved by the city.

8. The contractor shall provide access for the delivery of mail by the U.S. Postal Service, and collection of solid waste and recycling, whether public or private.

9. The contractor shall always maintain access to all commercial and residential driveways. The contractor shall provide a 48-hour minimum notice to property owners and the city before any driveway access modification.

10. During asphalt overlay, the contractor shall allow resident traffic access to the street with proper guidance, direction, flagger and traffic control and only at such time that damage will not occur to the new asphalt overlay or to the vehicles.

11. The contractor shall keep all traffic control devices, barricades, and reflective markings free from dust and debris. The contractor shall clean the devices monthly and at the direction of the city.

Utilities:

1. The existence and location of underground utilities indicated on the plans are taken from available records and are not guaranteed. The location and depth of existing utilities are approximate only and shall be investigated and verified by the contractor before starting work. The contractor shall be held responsible for any damage to and for the maintenance and protection of the existing utilities whether shown or noted on the plans, including but not limited to existing water, sanitary sewer, gas, storm sewers, electric and telecommunication lines, and services.

2. The contractor shall verify the location of all utilities three (3) weeks minimum in advance of all work activities.

3. In the event of damage to underground facilities, whether shown or not in the plans, the contractor shall make necessary repairs to restore the facility back in service and at no cost to the city. Repairs shall conform to the requirements of the utility or agency servicing the facility.

4. The contractor shall coordinate with and gain approval from the utility company owning the facility prior to relocation or adjustment as required for conformance to project alignment or grades. Adjustment of all existing manholes, that remain in service to project grades shall be the contractor's responsibility.

1. It shall be the responsibility of the contractor to immediately notify the city if the presence of groundwater within the site is evident. Upon notification, the project engineer shall respond with plan revisions for the mitigation of the groundwater issue. The city shall respond within two (2) business days upon receipt of the mitigation plan. All construction activity impacted by the discovery of groundwater shall be suspended until the city grants written approval for the groundwater mitigation plan.

Development:

1. The engineer of record is responsible for the adequacy of the construction plans and meeting all professional practice requirements of applicable federal, state, and local statutes, codes, regulations, rules, ordinance, or standards for the project.

2. The contractor shall contact The City of New Braunfels to schedule a preconstruction meeting before construction.

3. For public infrastructure or grading permits:

a. The contractor shall coordinate material testing and inspections with the project inspector before 12 pm and a minimum of 48 hours before the requested inspection as outlined in the pre-construction meeting.

b. Each inspection request is allotted one (1) hour unless additional time is requested.

4. For commercial permits:

a. The contractor shall coordinate inspection requests with the Building Department as outlined by the approved permit.

b. Each inspection request is allotted one (1) hour unless additional time is requested.

5. Approval of the construction plans and associated permit is invalid if construction has not commenced within one-year of construction plan approval.

6. Stabilized construction area shall be constructed of 3 in x 5 in rock to be placed at a minimum length of 25 ft and maintained so that construction debris does not fall within the city right-of-way. Right-of-way must be cleared from mud, rocks, etc. at all times.

7. The engineer of record is responsible for the erosion and stormwater control design to mitigate off-site impacts in all phases of construction.

8. The contractor is responsible for installing improvements sufficient to mitigate the impact of drainage and stormwater runoff during construction.

9. The elevation of the lowest floor shall be at least 10 in above the finished grade of the surrounding ground, which shall be sloped in a fashion so as to direct stormwater away from the structure. Properties adjacent to stormwater conveyance structures must have floor slab elevation or bottom of floor joists a minimum of one foot above the 100-year water flow elevation in the structure. Driveways serving houses on the downhill side of the street shall have a properly sized cross slope preventing runoff from entering the garage.

10. Proctors shall be sampled from on-site material (on-site is defined as limits of construction for the construction plans). The City inspector shall be present for material sampling and a copy of the proctor results shall be delivered to the city inspector prior to any density tests.

11. The contractor shall ensure that sidewalks, curb ramps, and driveways are built in accordance with Americans with Disabilities Act (ADA) standards.

12. No valves and hydrants shall be constructed within sidewalks, curbs, curb ramps, and driveways.

13. The contractor shall furnish and install all regulatory and warning signs, street name signs, and sign mounts in accordance with the construction plans.

14. The contractor shall install all pavement markings in accordance with the construction plans. The contractor shall notify the city inspector at least 48 hours before the installation of all sealer and final markings.

15. When all of the improvements are found to be constructed and completed in accordance with the approved plans and specifications, and upon receipt of one set of "Record Drawing" plans, and a digital copy of all plans (PDF copy) the city shall accept such improvements subject to the guaranty of material and workmanship provisions required by city code.

Additional Notes:

1. Contractor shall keep all nuisance grasses, weeds, debris, trash and rubbish clear and clean throughout the duration of the contracted project timeline within the entire workzone and/or any disturbed area's.

Deleted Notes:

1. All temporary driveways shall be constructed with 2" of road base, gravel, HMAC or other approved all-weather material. Temporary driveways shall be rolled and/or compacted to prevent rutting. Contractor shall maintain all temporary driveways until the final driveway material is placed and accepted.

Note Modification:

1. If needed

Drawn By: CR

Checked By: DB

Approved By: JT

DATE: Mar. 2024

Vertical Scale 1"= 0'

Horizontal Scale 1"= 0'

SHEET C2

PROJ NO. 3032.002

GENERAL NOTES

ALLIGATOR CREEK TRAIL

NEW BRAUNFELS, TEXAS

VICKREY & ASSOCIATES, LLC

CONSULTING ENGINEERS

12940 County Parkway, San Antonio, TX 78216

Telephone: (210) 349-3270

Firm Registration No: F-169

City of New Braunfels

REVISIONS

1

2

3

4

DESC.

DATE

3/12/2024

6/23/2023

Apr 10, 2024 - 12:46pm

Approved By: [Signature]

Drawn By: CR

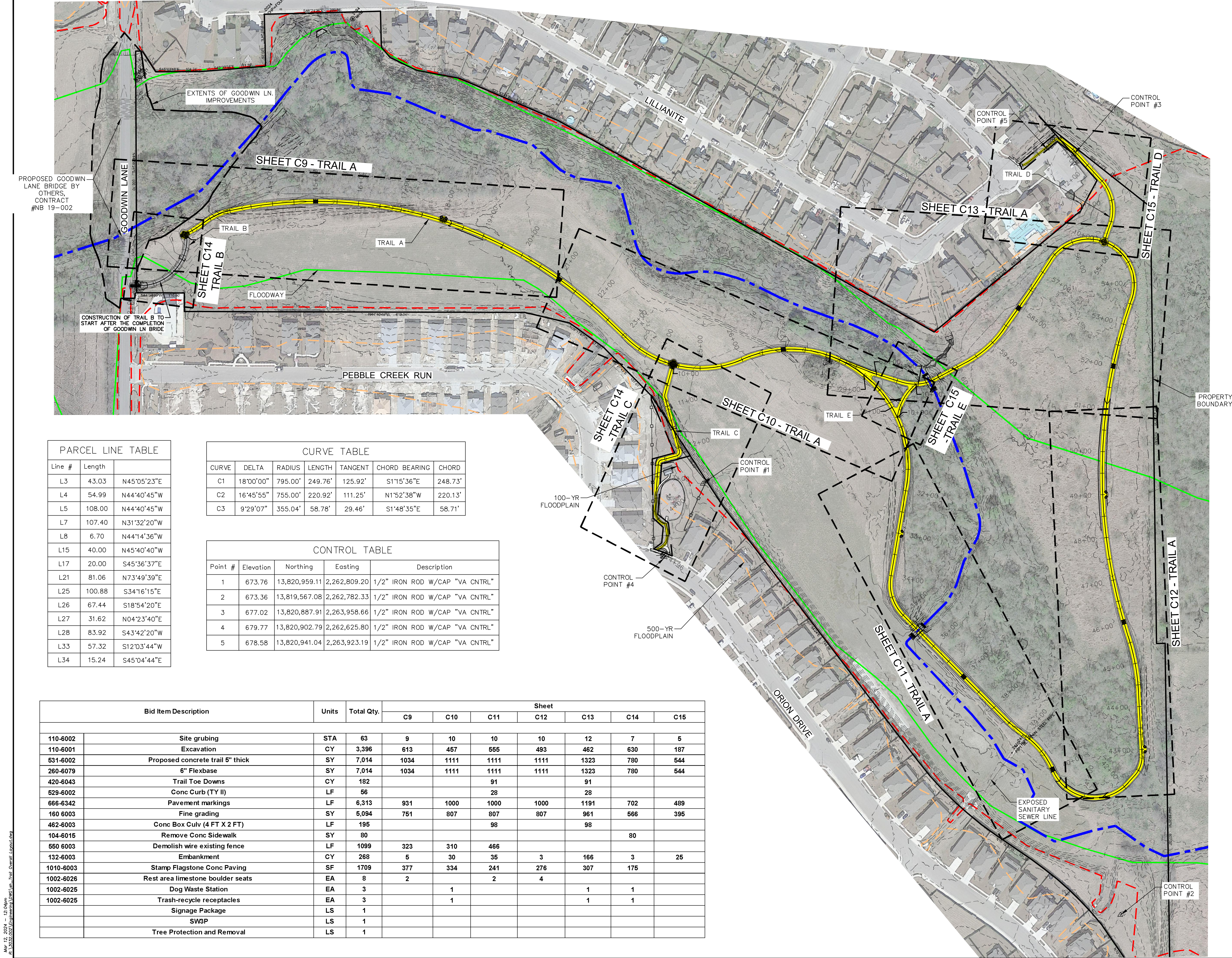
Any discrepancy or conflict with the Drawings and Specifications shall be brought to the attention of the Engineer. Discrepancies or conflicts not brought to the Engineer's attention and clarified during the bidding of the Project will be deemed to have been bid or proposed in the more costly or difficult manner, and the better quality or greater quantity of the Work shall be provided by the Contractor in accordance with Engineer's interpretation.

Aug 15, 2024 - 12:46pm
All 10/22/2024 Engineering Stamp
Trail Overall Layout.dwg

DRAWN BY: CR

CHECKED BY: DB

APPROVED BY: JT

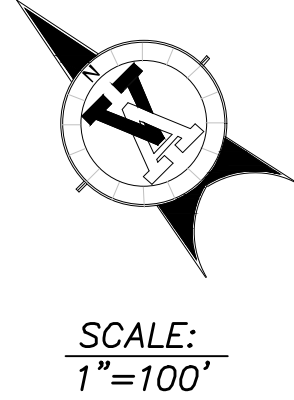


PARCEL LINE TABLE		
Line #	Length	
L3	43.03	N45°05'23"E
L4	54.99	N44°40'45"W
L5	108.00	N44°40'45"W
L7	107.40	N31°32'20"W
L8	6.70	N44°14'36"W
L15	40.00	N45°40'40"W
L17	20.00	S45°36'37"E
L21	81.06	N73°49'39"E
L25	100.88	S34°16'15"E
L26	67.44	S18°54'20"E
L27	31.62	N04°23'40"E
L28	83.92	S43°42'20"W
L33	57.32	S12°03'44"W
L34	15.24	S45°04'44"E

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	18°00'00"	795.00'	249.76'	125.92'	S11°5'36"E	248.73'
C2	16°45'55"	755.00'	220.92'	111.25'	N1°52'38"W	220.13'
C3	9°29'07"	355.04'	58.78'	29.46'	S1°48'35"E	58.71'

CONTROL TABLE				
Point #	Elevation	Northing	Easting	Description
1	673.76	13,820,959.11	2,262,809.20	1/2" IRON ROD W/CAP "VA CNTRL"
2	673.36	13,819,567.08	2,262,782.33	1/2" IRON ROD W/CAP "VA CNTRL"
3	677.02	13,820,887.91	2,263,958.66	1/2" IRON ROD W/CAP "VA CNTRL"
4	679.77	13,820,902.79	2,262,625.80	1/2" IRON ROD W/CAP "VA CNTRL"
5	678.58	13,820,941.04	2,263,923.19	1/2" IRON ROD W/CAP "VA CNTRL"

Bid Item Description		Units	Total Qty.	Sheet						
				C9	C10	C11	C12	C13	C14	C15
110-6002	Site grubbing	STA	63	9	10	10	10	12	7	5
110-6001	Excavation	CY	3,396	613	457	555	493	462	630	187
531-6002	Proposed concrete trail 5" thick	SY	7,014	1034	1111	1111	1111	1323	780	544
260-6079	6" Flexbase	SY	7,014	1034	1111	1111	1111	1323	780	544
420-6043	Trail Toe Downs	CY	182			91		91		
529-6002	Conc Curb (TY II)	LF	56			28		28		
666-6342	Pavement markings	LF	6,313	931	1000	1000	1000	1191	702	489
160-6003	Fine grading	SY	5,094	751	807	807	807	961	566	395
462-6003	Conc Box Culv (4 FT X 2 FT)	LF	195			98		98		
104-6015	Remove Conc Sidewalk	SY	80						80	
550-6003	Demolish wire existing fence	LF	1099	323	310	466				
132-6003	Embankment	CY	268	5	30	35	3	166	3	25
1010-6003	Stamp Flagstone Conc Paving	SF	1709	377	334	241	276	307	175	
1002-6026	Rest area limestone boulder seats	EA	8	2		2	4			
1002-6025	Dog Waste Station	EA	3		1			1	1	
1002-6025	Trash-recycle receptacles	EA	3		1			1	1	
	Signage Package	LS	1							
	SWGP	LS	1							
	Tree Protection and Removal	LS	1							



REVISIONS

1	
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4	
A	DESC.

JEFFREY S. TONORE
85609
EXPIRATION DATE: 3/12/2024

VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-159

City of
New Braunfels

TRAIL OVERALL LAYOUT
AND CONTROL PLAN
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: Mar. 2024

Vertical Scale 1"=50'
Horizontal Scale 1"=100'

SHEET
C3

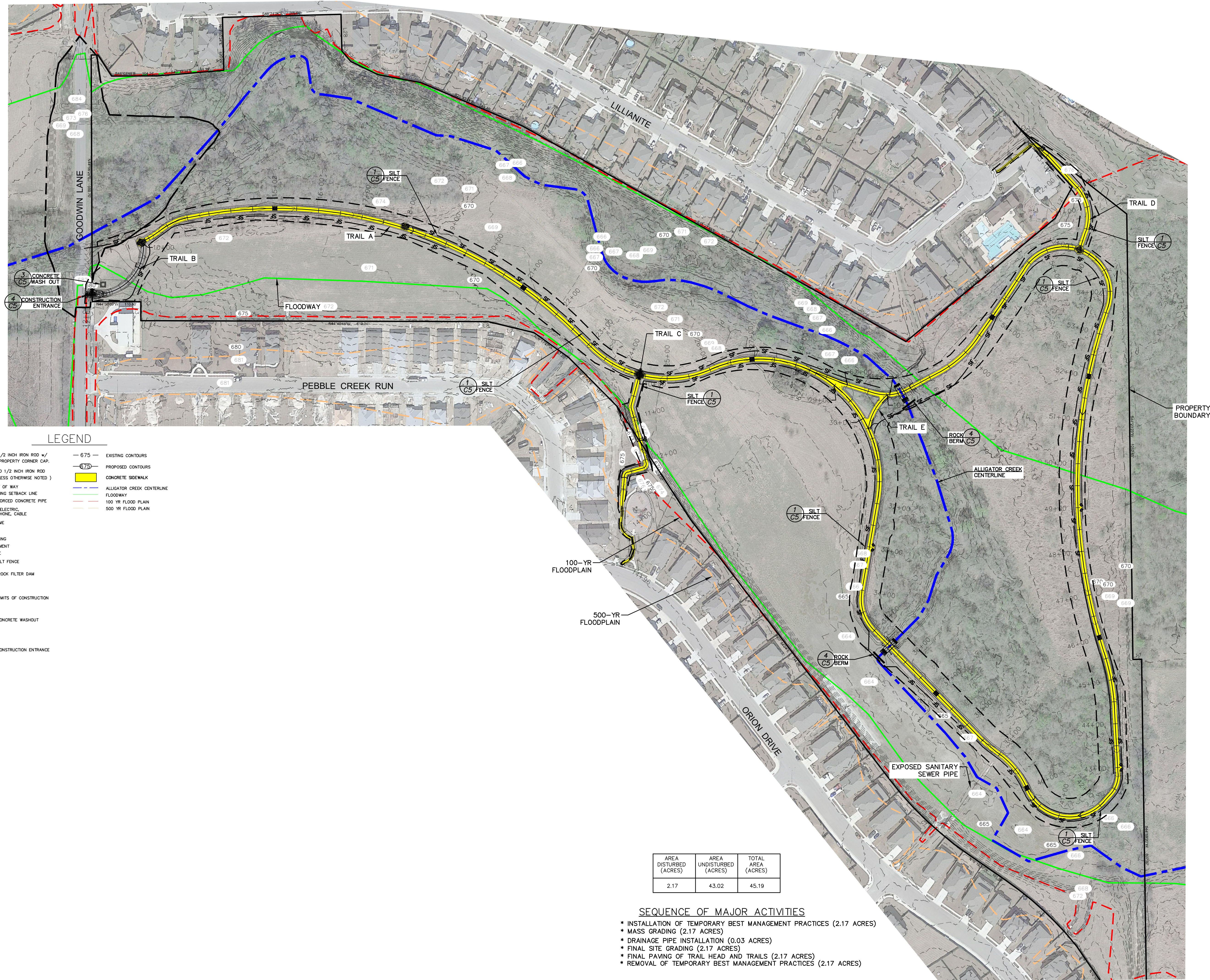
PROJ NO. 3032.002

Mar 12, 2024 - 12:46pm
All rights reserved. All other rights reserved.

DRAWN BY: CR

CHECKED BY: DB

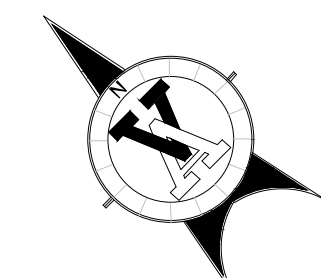
APPROVED BY: JT



AREA DISTURBED (ACRES)	AREA UNDISTURBED (ACRES)	TOTAL AREA (ACRES)
2.17	43.02	45.19

SEQUENCE OF MAJOR ACTIVITIES

- * INSTALLATION OF TEMPORARY BEST MANAGEMENT PRACTICES (2.17 ACRES)
- * MASS GRADING (2.17 ACRES)
- * DRAINAGE PIPE INSTALLATION (0.03 ACRES)
- * FINAL SITE GRADING (2.17 ACRES)
- * FINAL PAVING OF TRAIL HEAD AND TRAILS (2.17 ACRES)
- * REMOVAL OF TEMPORARY BEST MANAGEMENT PRACTICES (2.17 ACRES)



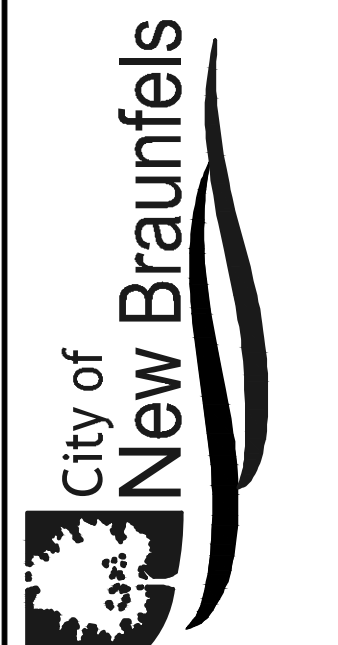
SCALE: 1"=100'

REVISIONS

NO.	DESC.	DATE
1		
2		
3		
4		
A		



VICKREY & ASSOCIATES, LLC
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12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-169



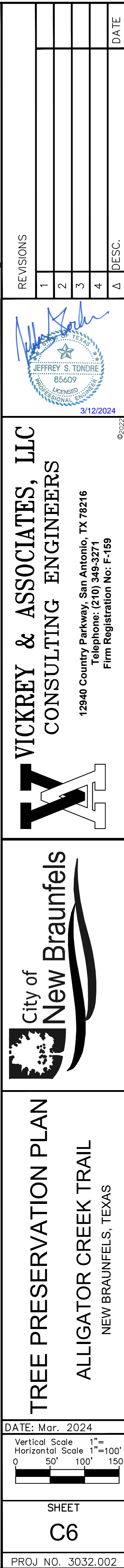
**STORMWATER POLLUTION
PREVENTION PLAN**
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: Mar. 2024

Vertical Scale 1"=50'
Horizontal Scale 1"=100'

SHEET
C4

PROJ NO. 3032.002

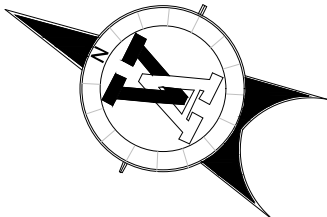
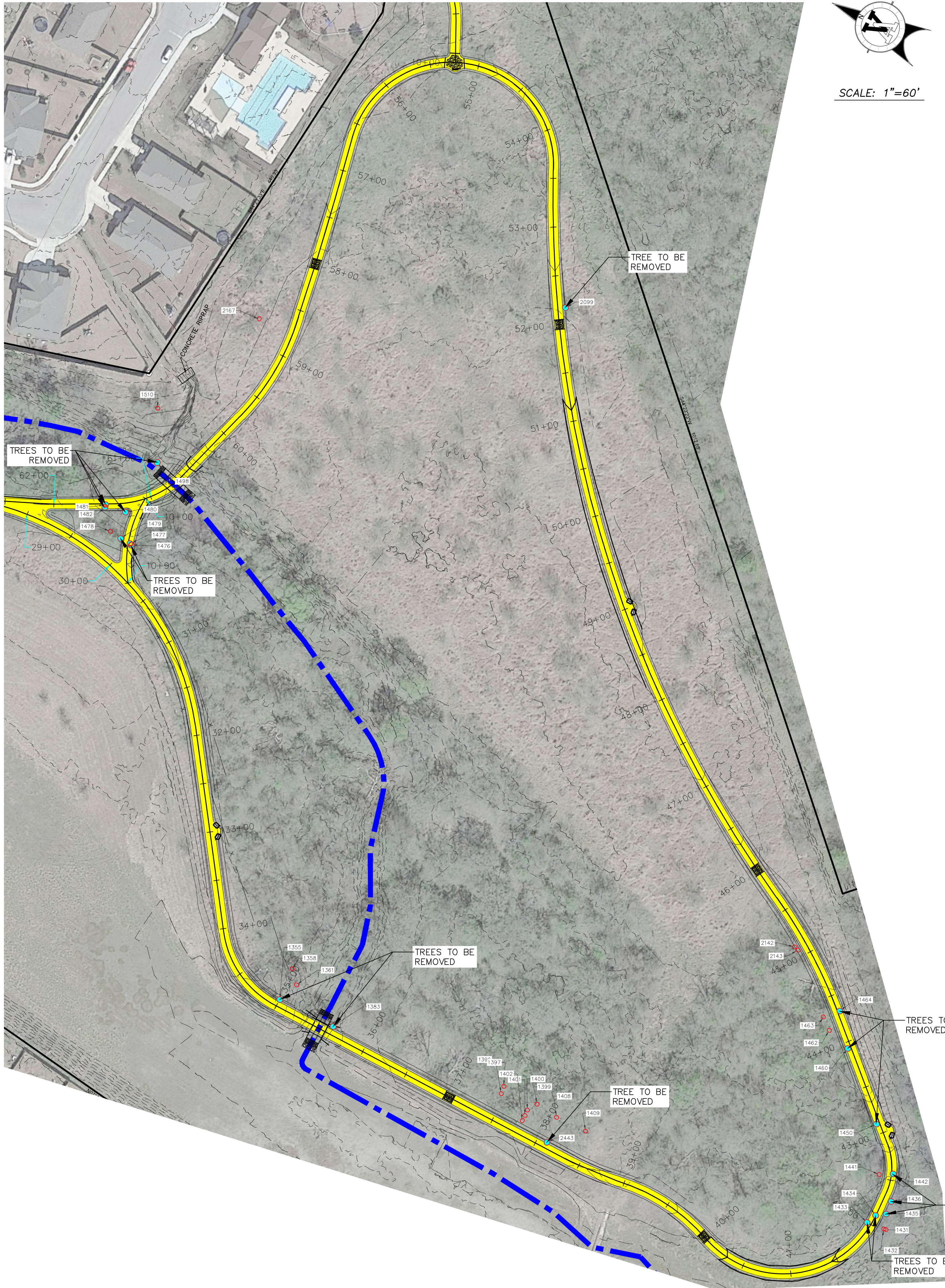


Aug 15, 2024 - 12:15pm
A:\3032\3032.dwg
Drawn by: CR

DRAWN BY: CR

CHECKED BY: DB

APPROVED BY: JT



SCALE: 1"=60'

TREE REMOVAL TABLE			
POINT #	TRUNK SIZE (IN)	SPECIES	SPREAD (FT)
1355	17	ELM	45
1383	9-10	ELM	50
1433	9	ELM	20
1434	14	ELM	20
1435	12	HACKBERRY	35
1436	10	ELM	30
1442	11	ELM	30
1450	9-10	ELM	40
1460	9	ELM	20
1464	8	ELM	20
1476	14-18	MESQUITE	30
1477	9	ELM	20
1479	8	ELM	20
1480	9	HACKBERRY	25
1481	20	MESQUITE	25
1482	9	ELM	20
1498	23	ELM	60
2099	8-7-6-5-3	HUISACHE	25
2443	8	ANQ	20

TREE PRESERVATION			
POINT #	TRUNK SIZE (IN)	SPECIES	SPREAD (FT)
1358	10-9	MESQUITE	30
1361	15	ELM	40
1396	16	ELM	40
1397	14	ELM	50
1399	17	ELM	50
1400	16	ELM	45
1401	13	ELM	35
1402	13	ELM	35
1408	15	ELM	40
1409	18-13	MESQUITE	40
1431	15	ELM	40
1432	11	HACKBERRY	20
1441	11	ELM	30
1460	9	ELM	20
1462	10	ELM	30
1463	8	ELM	20
1478	9	ELM	20
1510	15	ELM	45
1550	12-9	OAK	40
1551	34	OAK	45
1552	23-17	OAK	50
1553	11	ELM	35
1554	9	ELM	30
1555	17	ELM	35
1556	17	ELM	40
1557	20	ELM	50
1558	35	OAK	60
1559	17	ELM	50
1560	11	ELM	25
1561	14	ELM	30
1562	13	ELM	35
1563	15	OAK	35
1564	14	OAK	25
1565	13	OAK	20
1566	14	OAK	20
1567	12	OAK	20
1568	9	OAK	25
1569	9	ELM	20
1570	10	ELM	25
1571	15	OAK	15
1572	17	ELM	45
1573	23-19-17	OAK	50
1574	17	ELM	40
1575	14	ELM	20
1576	10	ELM	25

1577	11	ELM	35
1578	12	ELM	30
1579	10	ELM	17
1580	18	ELM	18
1581	20	OAK	45
1582	8	ELM	10
1583	10	ELM	17
1585	12	ELM	25
1586	12	ELM	40
1587	20	ELM	50
1588	10	ELM	30
1589	9-8	ELM	45
1590	11	ELM	25
1591	12	ELM	25
1592	9-8	ELM	35
1593	15	ELM	35
1594	12	HACKBERRY	25
1595	14	ELM	40
1596	10	HACKBERRY	35
1597	9	ELM	20
1598	11	CHINABERRY	15
1599	16	ELM	40
1600	19	MESQUITE	20
1601	17	ELM	50
1602	19	ELM	50
1603	23	OAK	60
1604	10	OAK	25
1605	10	OAK	25
1606	15	ELM	40
1607	10	ELM	25
1608	9	MESQUITE	25
1609	29	OAK	35
1610	8-8	ELM	25
1611	8	OAK	20
2142	8	HACKBERRY	25
2143	13-9-6-5-3	HUISACHE	35
2167	8-7-6-5-4	HUISACHE	25
2521	23	ELM	40
2527	16	ELM	30
2529	11	ELM	25
2535	9	OAK	20
2536	9	OAK	25
2537	10	OAK	25
2539	22	ELM	40
2540	17	ELM	35

- SET 1/2 INCH IRON ROD w/
V/A PROPERTY CORNER CAP.
- FOUND 1/2 INCH IRON ROD
(UNLESS OTHERWISE NOTED)
- —

R.O.W.
- —

BSL
- —

RCP
- —

GETCA
- —

VOL.
- —

PG.
- —

EX.
- —

ESM/T
- —

FENCE
- —

675
- 675

EXISTING CONTOURS
- 675

PROPOSED CONTOURS
- —

CONCRETE SIDEWALK
- —

ALLIGATOR CREEK CENTERLINE
- —

FLOODWAY
- —

100 YR FLOOD PLAN
- —

500 YR FLOOD PLAN
- EXISTING TREE
- DEMOLISHED TREE

REVISIONS

1	
2	
3	
4	
Δ	DESC.

JEFFREY S. TOWNE

85609

PROFESSIONAL ENGINEER

3/12/2024

VICKREY & ASSOCIATES, LLC

CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, TX 78216

Telephone: (210) 349-3271

Firm Registration No: F-169

City of

New Braunfels

TREE REMOVAL PLAN

ALLIGATOR CREEK TRAIL

NEW BRAUNFELS, TEXAS

DATE: Mar. 2024

Vertical Scale 1"=

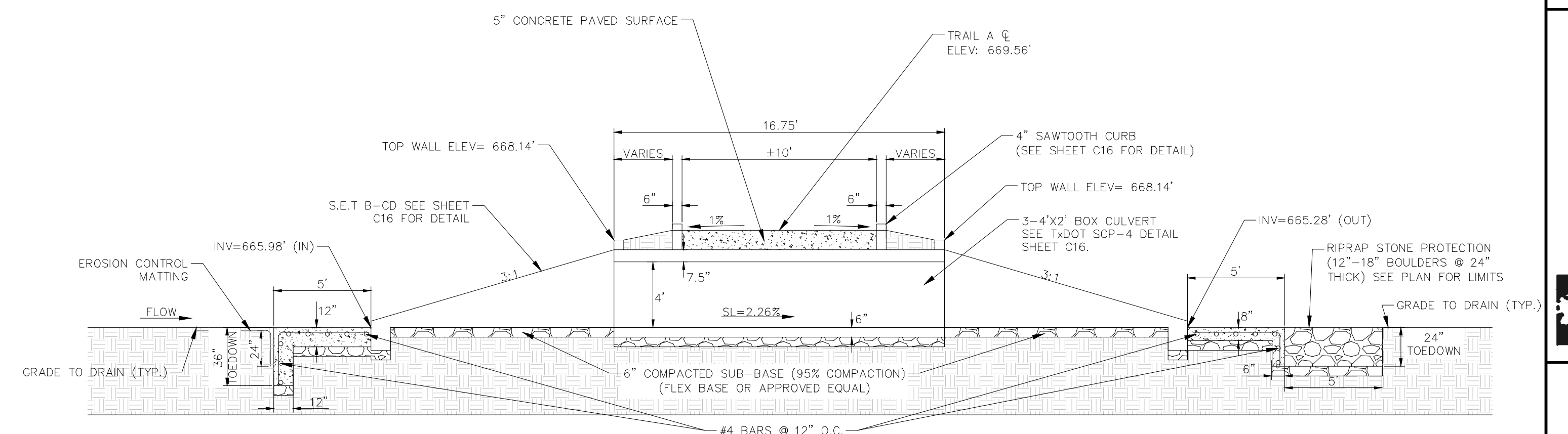
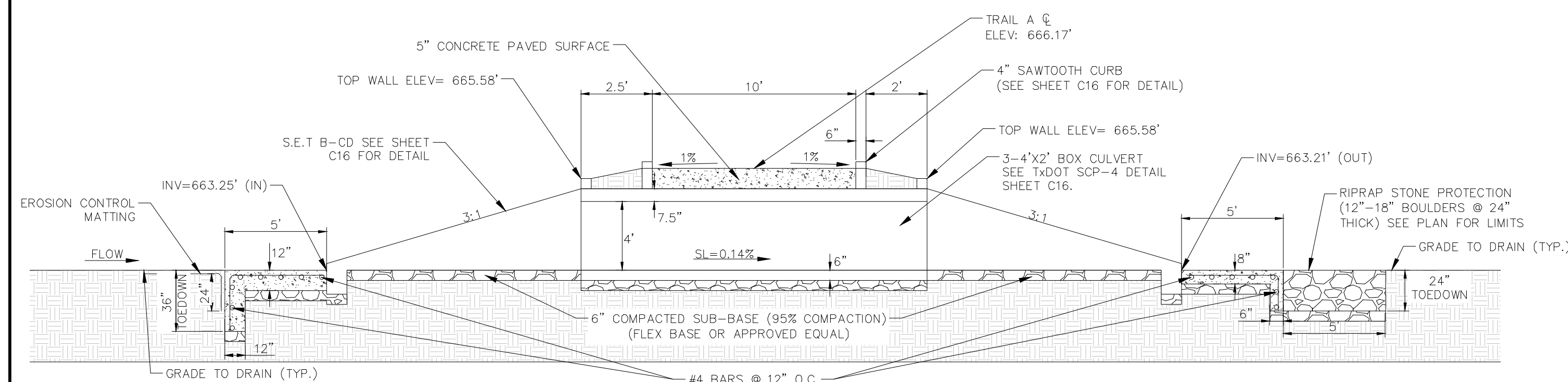
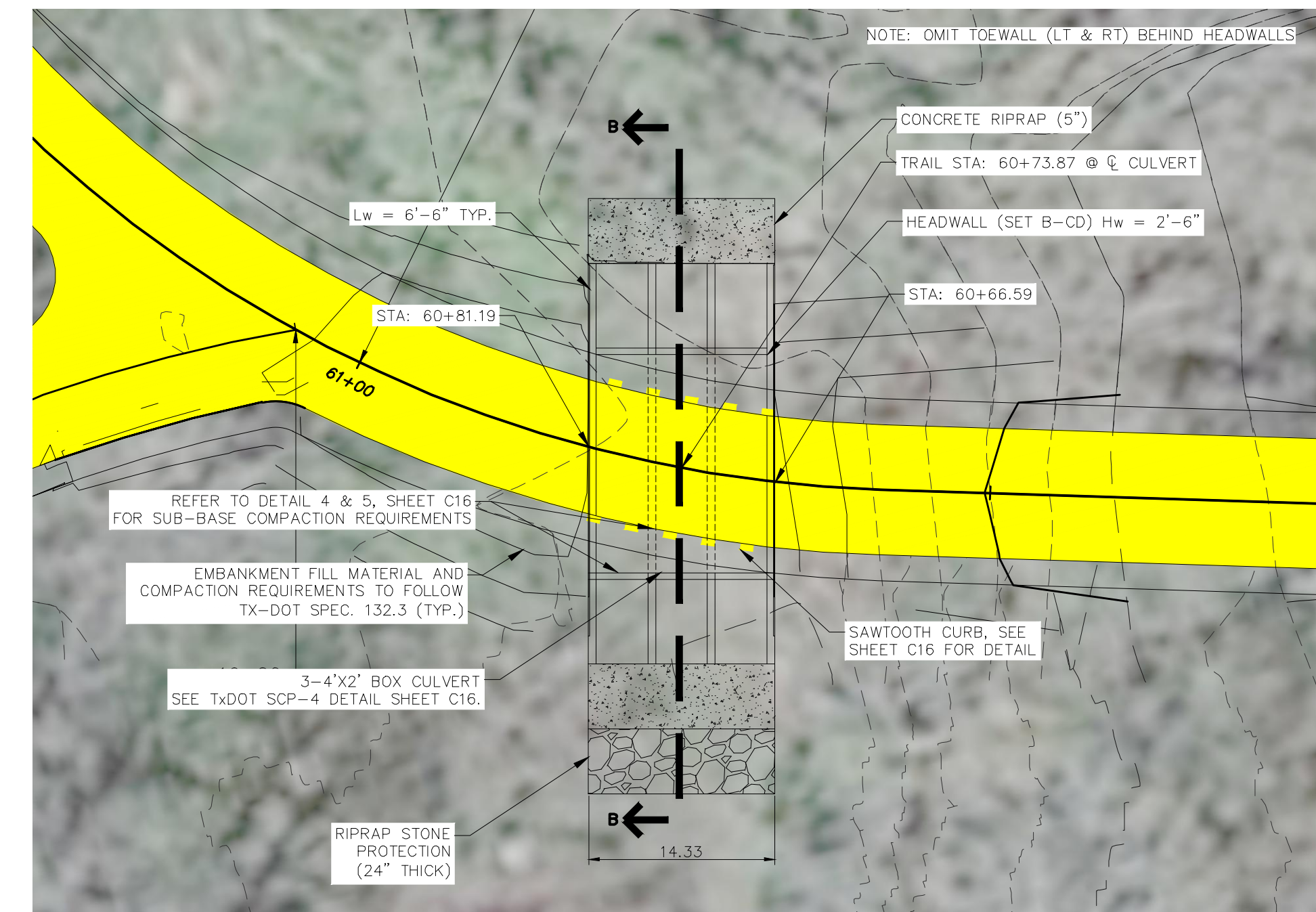
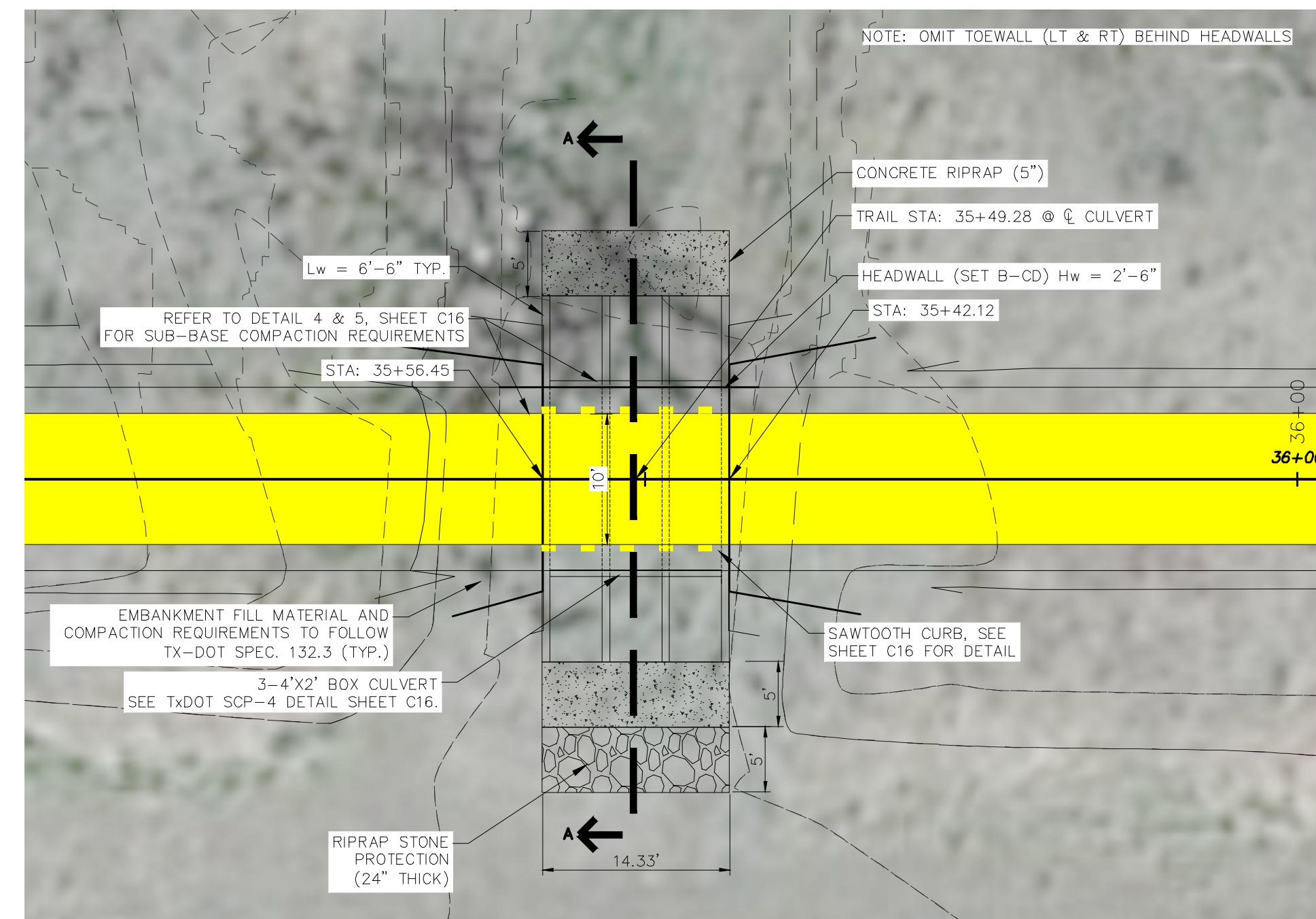
Horizontal Scale 1"=60'

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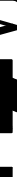
SHEET

C7

PROJ NO. 3032.002




REVISIONS	
1	
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Δ	DATE



VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 343-3271
Firm Registration No. F-159

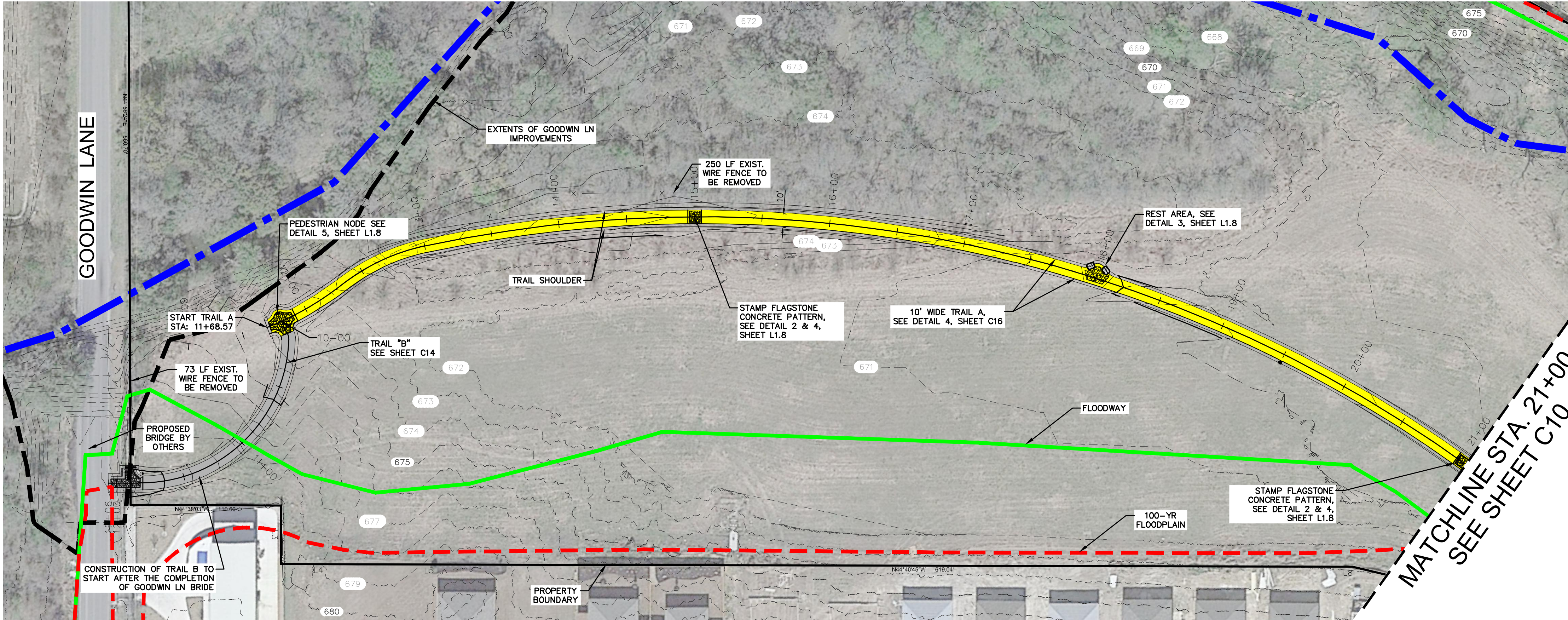
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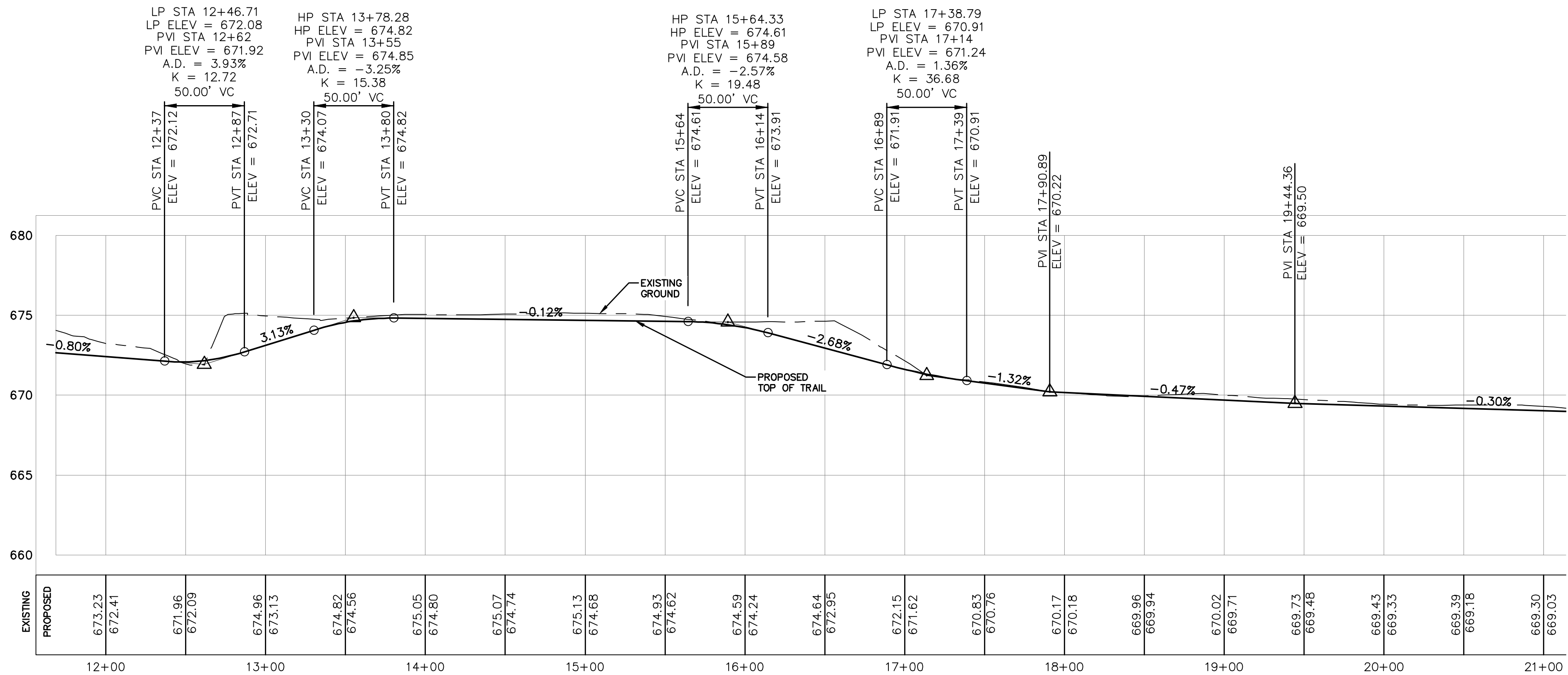
TRAIL CULVERT DETAILS

ALLIGATOR CREEK TRAIL

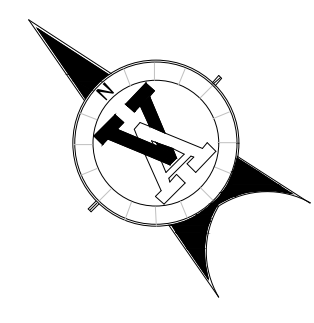
NEW BRAUNFELS, TEXAS



TRAIL A



TRAIL A PROFILE



SCALE: 1"=50'

LEGEND


- SET 1/2 INCH IRON ROD w/ V/A PROPERTY CORNER CAP.
- FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)
- R.O.W. RIGHT OF WAY
- BSL BUILDING SETBACK LINE
- RCP REINFORCED CONCRETE PIPE
- GETCA GAS, ELECTRIC, TELEPHONE, CABLE
- VOL. VOLUME
- PG. PAGE
- EX. EXISTING
- ESM/T EASEMENT
- FENCE
- 675 — EXISTING CONTOURS
- 675 — PROPOSED CONTOURS
- CONCRETE SIDEWALK
- ALLIGATOR CREEK CENTERLINE
- FLOODWAY
- 100 YR FLOOD PLAN
- 500 YR FLOOD PLAN

HORIZONTAL ALIGNMENT REPORT

ALIGNMENT NAME: ALIGN TRAIL A CL	
STATION RANGE: START: 10+00.00, END: 21+00.00	
BEGIN ALIGN TRAIL A CL	
N 13,822,323.7470	E 2,262,226.1973
10+00.00	
LINE (1)	
S50°36'06"E	108.798'
N 13,822,254.6941	E 2,262,310.2690
11+08.80	
CURVE (2)	
BC	N 13,822,254.6941 E 2,262,310.2690
11+08.80	
CTR	N 13,822,007.7791 E 2,262,403.5884
PI	N 13,822,214.4666 E 2,262,359.2458
DIRECTION BACK S50°36'06"E	
RADIUS 218.916'	
DELTA 32°17'35"(LT)	
LENGTH 123.386'	
TANGENT 63.380'	
CHORD DIRECTION S66°44'54"E	
DISTANCE 121.759'	
DIRECTION AHEAD S82°53'42"E	
EC	N 13,822,206.6273 E 2,262,422.1388
12+32.18	
REVERSING CURVE	
CURVE (3)	
BC	N 13,822,206.6273 E 2,262,422.1388
12+32.18	
CTR	N 13,822,007.7791 E 2,262,403.5884
PI	N 13,822,202.3515 E 2,262,456.4422
DIRECTION BACK S82°53'42"E	
RADIUS 150.000'	
DELTA 25°57'20"(RT)	
LENGTH 67.951'	
TANGENT 34.569'	
CHORD DIRECTION S69°55'02"E	
DISTANCE 67.372'	
DIRECTION AHEAD S56°56'22"E	
EC	N 13,822,183.4932 E 2,262,485.4142
13+00.13	
COMPOUND CURVE	
CURVE (4)	
BC	N 13,822,183.4932 E 2,262,485.4142
13+00.13	
CTR	N 13,821,375.7795 E 2,261,959.6637
PI	N 13,821,896.1866 E 2,262,926.8051
DIRECTION BACK S56°56'22"E	
RADIUS 963.751'	
DELTA 57°18'38"(RT)	
LENGTH 963.998'	
TANGENT 526.660'	
CHORD DIRECTION S28°17'03"E	
DISTANCE 924.311'	
DIRECTION AHEAD S0°22'16"W	
EC	N 13,821,369.5374 E 2,262,923.3940
22+64.13	
CURVE (4)	
BC	N 13,820,935.5885 E 2,263,236.7159
62+91.10	
END ALIGN TRAIL A CL	
ALIGNMENT LENGTH: 5,291.101'	

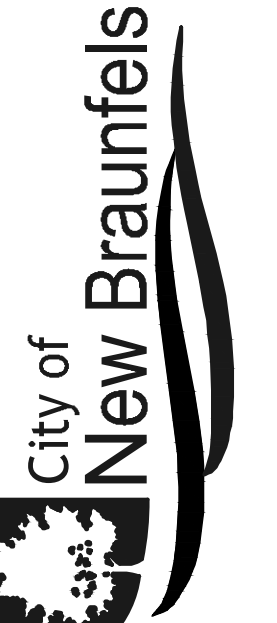
REVISIONS

1	
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4	
Δ	DESC.



3/12/2024

VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 County Parkway, San Antonio, TX 78216
Telephone: (210) 349-3274
Firm Registration No: F-169



City of
New Braunfels

TRAIL PATH A PLAN AND PROFILE
STA 11+68-21+00
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: Mar. 2024
Vertical Scale 1"=5'
Horizontal Scale 1"=50'
0 25' 50' 75'

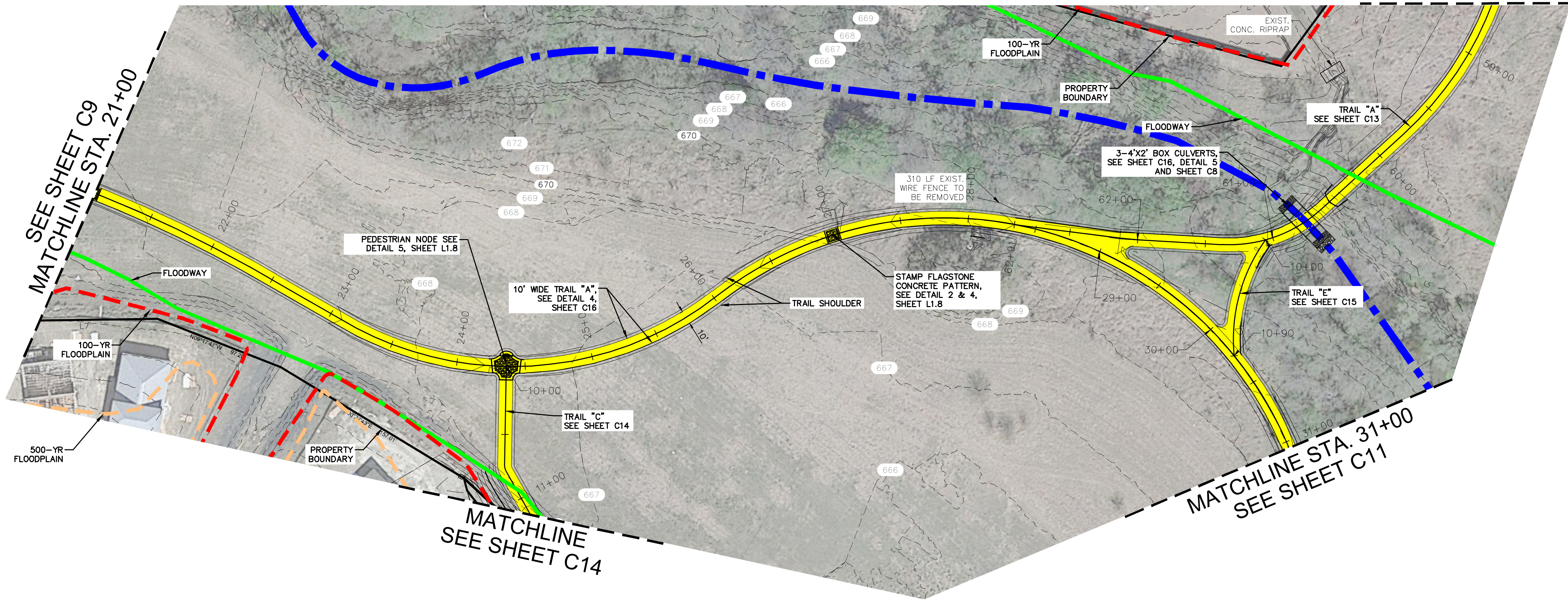
SHEET
C9

PROJ NO. 3032.002

Aug 12, 2024
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DRAWN BY: CR
CHECKED BY: DB
APPROVED BY: JT

SEE SHEET C15
MATCHLINE STA. 59+00



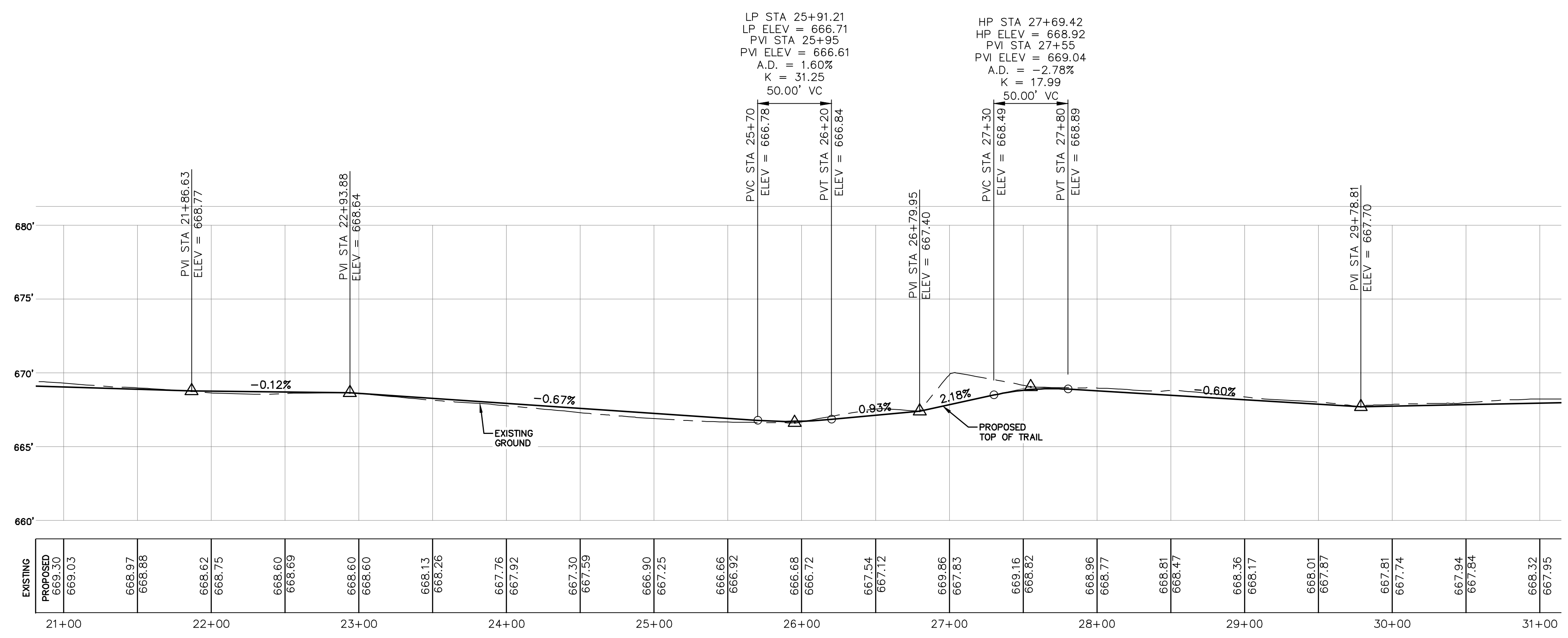
SCALE: 1"=50'

LEGEND

●	SET 1/2 INCH IRON ROD w/ V/A PROPERTY CORNER CAP.	— 675 —	EXISTING CONTOURS
○	FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)	— 675 —	PROPOSED CONTOURS
		■	CONCRETE SIDEWALK
R.O.W.	RIGHT OF WAY	---	ALLIGATOR CREEK CENTERLINE
BSL	BUILDING SETBACK LINE	---	FLOODWAY
RCP	REINFORCED CONCRETE PIPE	---	100 YR FLOOD PLAN
GETCA	GAS, ELECTRIC TELEPHONE, CABLE	---	500 YR FLOOD PLAN
VOL.	VOLUME		
PG.	PAGE		
EX.	EXISTING		
ESM/T	EASEMENT		
—	FENCE		

HORIZONTAL ALIGNMENT REPORT

ALIGNMENT NAME: ALIGN TRAIL A CL			
STATION RANGE: START: 21+00.00, END: 31+00.00			
BEGIN ALIGN TRAIL A CL			
EC	N 13,821,369.5374	E 2,262,923.3940	22+64.13
CURVE (4)			
LINE (5)			
NON-TANGENT RADIAL BEARING S89°37'44"E			
S0°55'26"E - 57.143'			
CTR	N 13,821,312.4019	E 2,262,924.3153	23+21.27
LINE (5)			
NON-TANGENT RADIAL BEARING S87°05'17"W			
CURVE (6)			
BC	N 13,821,312.4019	E 2,262,924.3153	23+21.27
CTR	N 13,821,324.8485	E 2,263,168.9990	
PI	N 13,821,236.1061	E 2,262,928.1964	
DIRECTION BACK S2°54'43"E			
RADIUS 245.000'			
DELTA 34°32'11"(LT)			
LENGTH 148.107'			
TANGENT 76.394'			
CHORD DIRECTION S20°13'49"E DISTANCE 145.862'			
DIRECTION AHEAD S37°32'54"E			
EC	N 13,821,175.5377	E 2,262,974.7536	24+69.38
CURVE (6)			
COMPOUND CURVE			
CURVE (7)			
BC	N 13,821,175.5377	E 2,262,974.7536	24+69.38
CTR	N 13,821,324.8485	E 2,263,168.9990	
PI	N 13,821,121.6536	E 2,263,016.1727	
DIRECTION BACK S37°32'54"E			
RADIUS 245.000'			
DELTA 31°00'30"(LT)			
LENGTH 132.593'			
TANGENT 67.963'			
CHORD DIRECTION S53°03'09"E DISTANCE 130.981'			
DIRECTION AHEAD S68°33'24"E			
EC	N 13,821,096.8075	E 2,263,079.4317	26+01.97
CURVE (7)			
REVERSING CURVE			
NON-TANGENT RADIAL BEARING N21°21'41"E			
CURVE (8)			
BC	N 13,821,096.8075	E 2,263,079.4317	26+01.97
CTR	N 13,820,842.4004	E 2,262,979.9327	
PI	N 13,821,051.7630	E 2,263,194.5480	
DIRECTION BACK S68°38'19"E			
RADIUS 273.174'			
DELTA 48°41'34"(RT)			
LENGTH 232.157'			
TANGENT 123.609'			
CHORD DIRECTION S44°17'32"E DISTANCE 225.233'			
DIRECTION AHEAD S19°56'45"E			
EC	N 13,820,935.5885	E 2,263,236.7159	28+34.13
CURVE (8)			
COMPOUND CURVE			
NON-TANGENT RADIAL BEARING N70°03'14"E			
CURVE (9)			
BC	N 13,820,935.5885	E 2,263,236.7159	28+34.13
CTR	N 13,820,842.4002	E 2,262,979.9327	
PI	N 13,820,826.5700	E 2,263,276.2795	
DIRECTION BACK S19°56'46"E			
RADIUS 273.170'			
DELTA 46°00'28"(RT)			
LENGTH 219.352'			
TANGENT 115.976'			
CHORD DIRECTION S33°32'28"W DISTANCE 213.506'			
DIRECTION AHEAD S26°03'42"W			
EC	N 13,820,722.3866	E 2,263,225.3272	30+53.48
CURVE (9)			
COMPOUND CURVE			
NON-TANGENT RADIAL BEARING S63°56'19"E			
CURVE (10)			
BC	N 13,820,722.3866	E 2,263,225.3272	30+53.48
CTR	N 13,820,842.4011	E 2,262,979.9298	
PI	N 13,820,659.2197	E 2,263,194.4347	
DIRECTION BACK S26°03'41"W			
RADIUS 273.173'			
DELTA 28°52'12"(RT)			
LENGTH 137.645'			
TANGENT 70.316'			
CHORD DIRECTION S40°29'47"W DISTANCE 136.193'			
DIRECTION AHEAD S54°55'53"W			
EC	N 13,820,618.8189	E 2,263,136.8832	31+91.13
CURVE (10)			
END ALIGN TRAIL A CL			
ALIGNMENT LENGTH: 5,291.101'			



TRAIL A PROFILE

REVISIONS

1	2	3	4	DESC.

3/12/2024

VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3274
Firm Registration No: F-169

City of New Braunfels

TRAIL PATH A PLAN AND PROFILE
STA 21+00-31+00
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: Mar. 2024

Vertical Scale 1"=5'
Horizontal Scale 1"=50'

0 25' 50' 75'

SHEET
C10

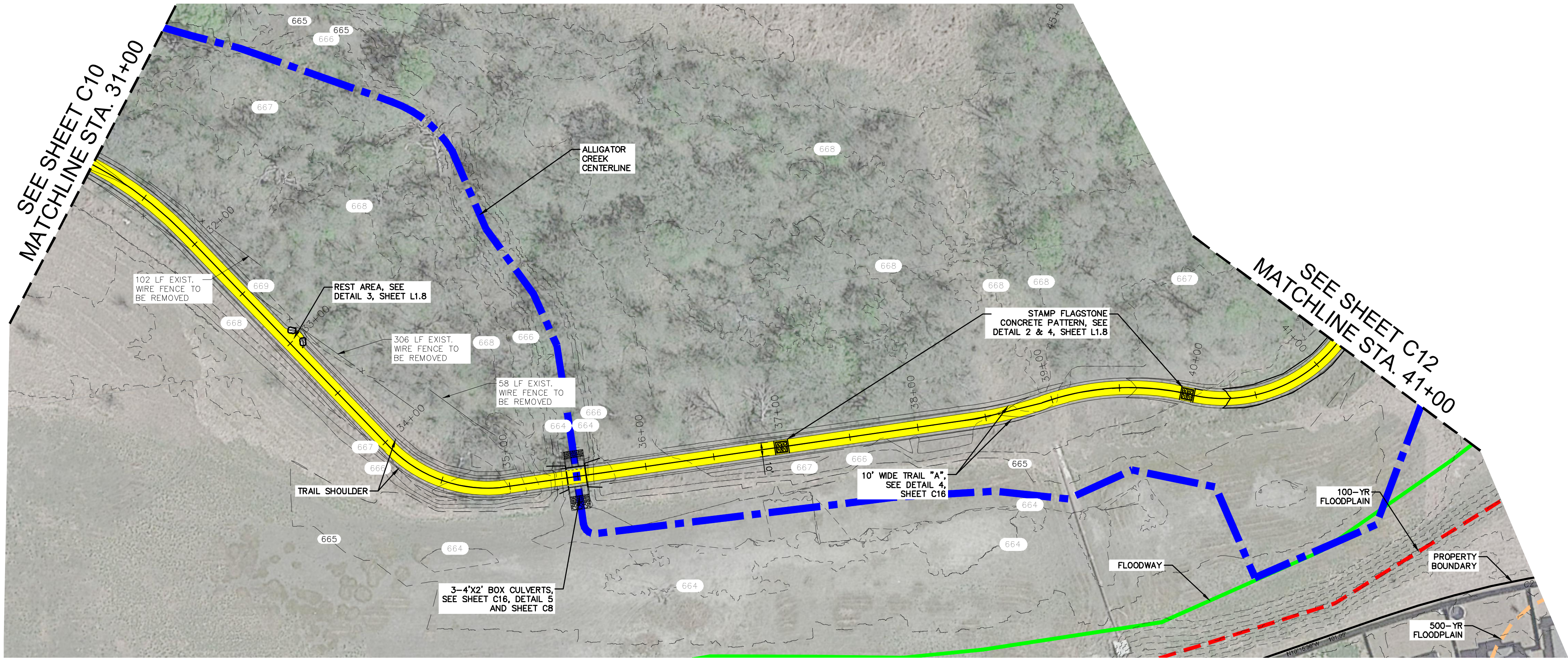
PROJ. NO. 3032.002

Aug 12, 2024
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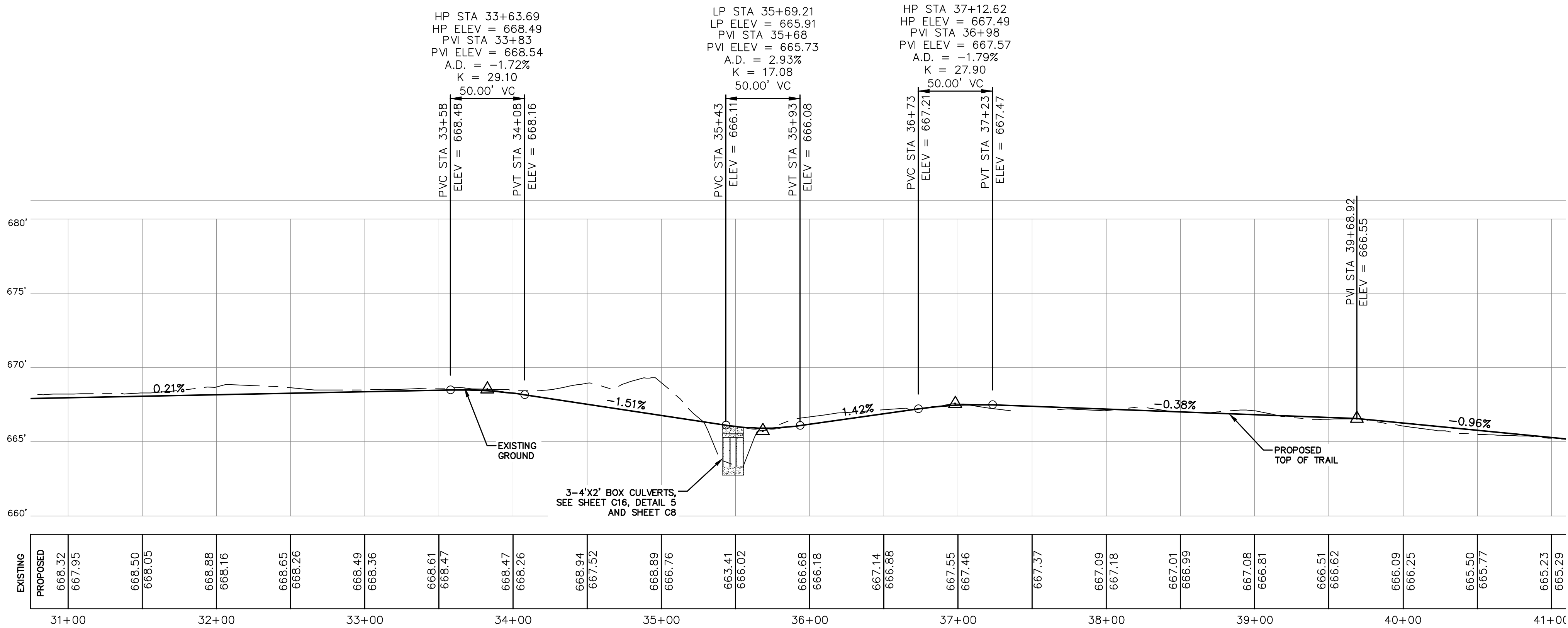
DRAWN BY: CR

CHECKED BY: DB

APPROVED BY: JT



TRAIL A



TRAIL A PROFILE

SCALE: 1"=50'

LEGEND

●	SET 1/2 INCH IRON ROD w/ V/A PROPERTY CORNER CAP.	— 675 —	EXISTING CONTOURS
○	FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)	— 675 —	PROPOSED CONTOURS
			CONCRETE SIDEWALK
R.O.W.	RIGHT OF WAY	---	ALLIGATOR CREEK CENTERLINE
BSL	BUILDING SETBACK LINE	---	FLOODWAY
RCP	REINFORCED CONCRETE PIPE	---	100 YR FLOOD PLAN
GETCA	GAS, ELECTRIC, TELEPHONE, CABLE	---	500 YR FLOOD PLAN
VOL.	VOLUME		
PG.	PAGE		
EX.	EXISTING		
ESM/T	EASEMENT		
—	FENCE		

HORIZONTAL ALIGNMENT REPORT

ALIGNMENT NAME: ALIGN TRAIL A CL
STATION RANGE: START: 31+00.00, END: 41+00.00

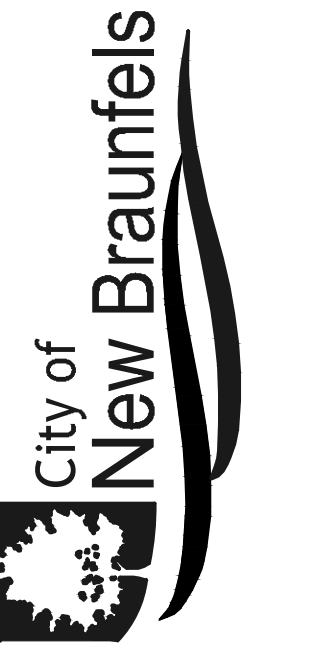
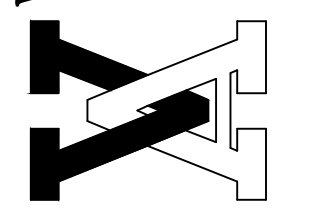
BEGIN ALIGN TRAIL A CL
CURVE (10)
BC N 13,820,722.3866 E 2,263,225.3272 30+53.48
CTR N 13,820,842.4011 E 2,262,979.9298
PI N 13,820,659.2197 E 2,263,194.4347
DIRECTION BACK S26°03'41"W
RADIUS 273.173'
DELTA 28°52'12"(RT)
LENGTH 137.645'
TANGENT 70.316'
CHORD DIRECTION S40°29'47"W DISTANCE 136.193'
DIRECTION AHEAD S54°55'53"W
EC N 13,820,618.8189 E 2,263,136.8832 31+91.13
CURVE (10)
LINE (11)
S54°55'53"W 212.422'
N 13,820,496.7705 E 2,262,963.0237 34+03.55
LINE (11)
CURVE (12)
BC N 13,820,496.7705 E 2,262,963.0237 34+03.55
CTR N 13,820,414.9241 E 2,263,020.4794
PI N 13,820,469.1457 E 2,262,923.6717
DIRECTION BACK S54°55'53"W
RADIUS 100.000'
DELTA 51°21'24"(LT)
LENGTH 89.634'
TANGENT 48.080'
CHORD DIRECTION S29°15'11"W DISTANCE 86.664'
DIRECTION AHEAD S3°34'29"W
EC N 13,820,421.1591 E 2,262,920.6740 34+93.18
CURVE (12)
LINE (13)
NON-TANGENT RADIAL BEARING N86°25'31"W
S0°38'29"W 350.566'
N 13,820,070.6154 E 2,262,916.7499 38+43.75
LINE (13)
NON-TANGENT RADIAL BEARING N89°21'31"W
CURVE (14)
BC N 13,820,070.6154 E 2,262,916.7499 38+43.75
CTR N 13,820,067.8167 E 2,263,166.7343
PI N 13,820,046.2171 E 2,262,916.4767
DIRECTION BACK S0°38'29"W
RADIUS 250.000'
DELTA 11°08'56"(LT)
LENGTH 48.646'
TANGENT 24.400'
CHORD DIRECTION S4°55'59"E DISTANCE 48.569'
DIRECTION AHEAD S10°30'26"E
EC N 13,820,022.2264 E 2,262,920.9263 38+92.39
CURVE (14)
REVERSING CURVE
NON-TANGENT RADIAL BEARING N79°26'07"E
CURVE (15)
BC N 13,820,022.2264 E 2,262,920.9263 38+92.39
CTR N 13,819,986.8513 E 2,262,731.2570
PI N 13,819,966.1314 E 2,262,931.3886
DIRECTION BACK S10°33'53"E
RADIUS 192.940'
DELTA 32°57'05"(RT)
LENGTH 110.962'
TANGENT 57.062'
CHORD DIRECTION S5°54'39"W DISTANCE 109.439'
DIRECTION AHEAD S22°23'11"W
EC N 13,819,913.3696 E 2,262,909.6562 40+03.36
CURVE (15)
LINE (16)
NON-TANGENT RADIAL BEARING S67°36'49"E
S21°51'15"W 0.047'
N 13,819,913.3260 E 2,262,909.6388 40+03.40
LINE (16)
NON-TANGENT RADIAL BEARING N68°41'53"W
CURVE (17)
BC N 13,819,913.3260 E 2,262,909.6388 40+03.40
CTR N 13,819,875.1812 E 2,263,007.4650
PI N 13,819,762.1147 E 2,262,850.6777
DIRECTION BACK S21°18'07"W
RADIUS 105.000'
DELTA 114°11'54"(LT)
LENGTH 209.279'
TANGENT 162.300'
CHORD DIRECTION S35°47'50"E DISTANCE 176.318'
DIRECTION AHEAD N87°06'14"E
EC N 13,819,770.3153 E 2,263,012.7704 42+12.68
CURVE (17)
END ALIGN TRAIL A CL

ALIGNMENT LENGTH: 5,291.101'

REVISIONS		DATE
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Δ	DESC.	



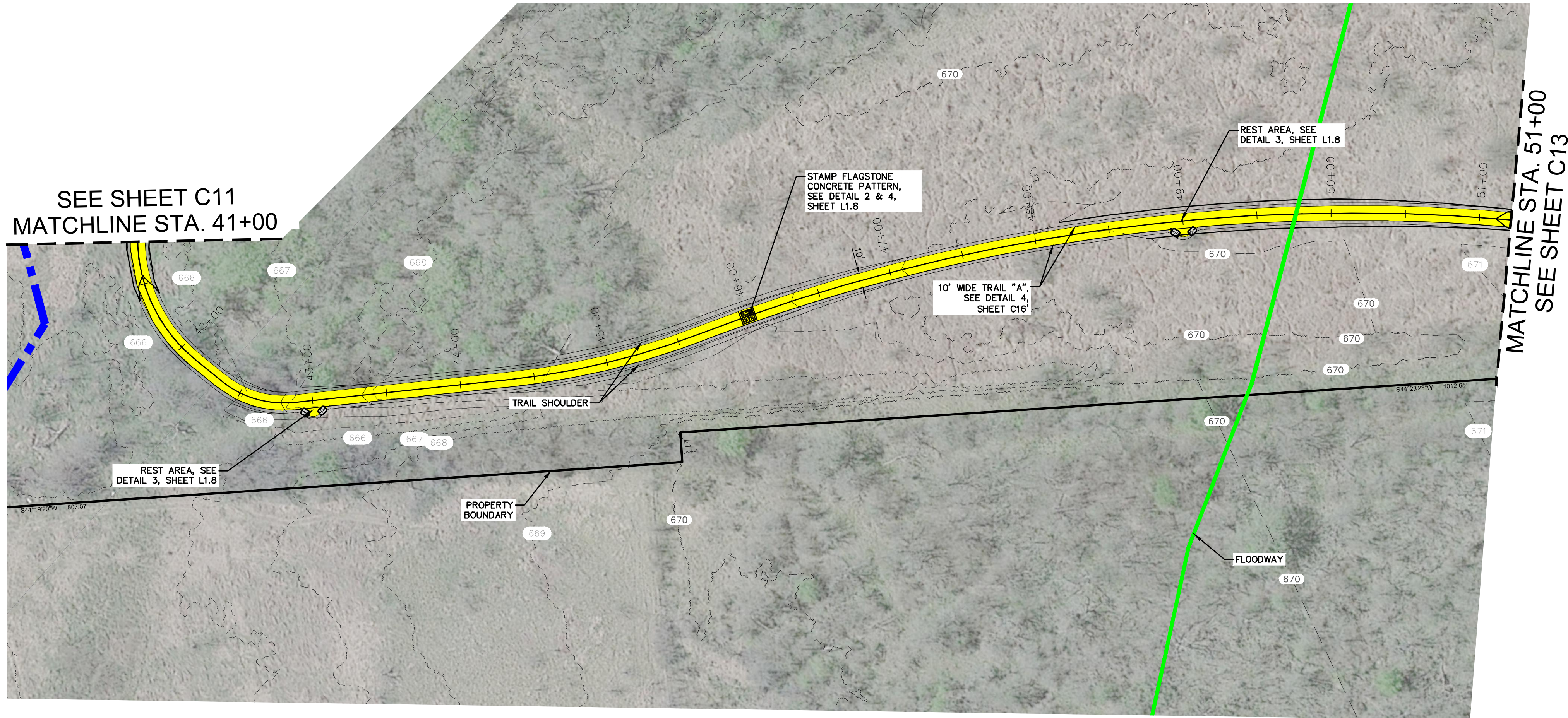
VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-169



TRAIL PATH A PLAN AND PROFILE
STA 31+00-41+00
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: Mar. 2024
Vertical Scale 1"=5'
Horizontal Scale 1"=50'
0 25' 50' 75'

SHEET
C11
PROJ. NO. 3032.002



LEGEND

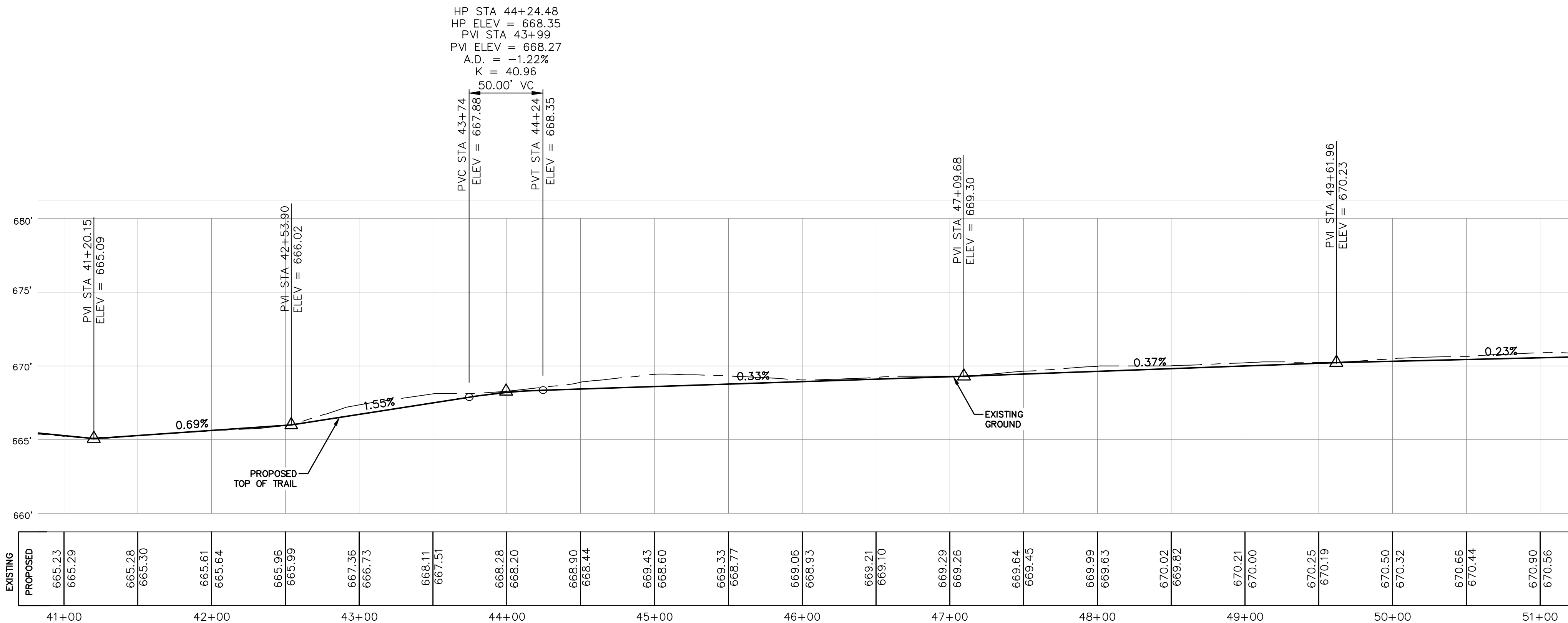
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V/A PROPERTY CORNER CAP.
○ FOUND 1/2 INCH IRON ROD
(UNLESS OTHERWISE NOTED)

R.O.W. RIGHT OF WAY
BSL BUILDING SETBACK LINE
RCP REINFORCED CONCRETE PIPE
GETCA GAS, ELECTRIC,
TELEPHONE, CABLE
VOL. VOLUME
PG. PAGE
EX. EXISTING
ESM/T EASEMENT
— FENCE

— 675 — EXISTING CONTOURS
— 675 — PROPOSED CONTOURS
CONCRETE SIDEWALK
ALLIGATOR CREEK CENTERLINE
FLOODWAY
100 YR FLOOD PLAIN
500 YR FLOOD PLAIN

SCALE: 1"=50'

TRAIL A



TRAIL A PROFILE

HORIZONTAL ALIGNMENT REPORT

***** ALIGNMENT NAME: ALIGN TRAIL A CL STATION RANGE: START: 41+00.00, END: 51+00.00 *****	
BEGIN ALIGN TRAIL A CL CURVE (17)	
BC N 13,819,913.3260 E 2,262,909.6388	40+03.40
CTR N 13,819,873.1812 E 2,263,007.4659	
PI N 13,819,762.1147 E 2,262,850.6777	
DIRECTION BACK S21°18'07"W	
RADIUS 105,000'	
DELTA 114°11'54"(LT)	
LENGTH 209.279'	
TANGENT 162.300'	
CHORD DIRECTION S35°47'50"E DISTANCE 176.318'	
DIRECTION AHEAD N87°06'14"E	
EC N 13,819,770.3153 E 2,263,012.7704	42+12.68
CURVE (17)	
LINE (18)	
NON-TANGENT RADIAL BEARING S2°53'46"E	
N87°06'14"E 23.123'	
N 13,819,771.4836 E 2,263,035.8635	42+35.80
LINE (18)	
NON-TANGENT RADIAL BEARING S2°53'46"E	
CURVE (19)	
BC N 13,819,771.4836 E 2,263,035.8635	42+35.80
CTR N 13,819,836.4006 E 2,263,032.5792	
PI N 13,819,772.8450 E 2,263,062.7723	
DIRECTION BACK N87°06'14"E	
RADIUS 65,000'	
DELTA 45°01'45"(LT)	
LENGTH 51.084'	
TANGENT 26.943'	
CHORD DIRECTION N64°35'21"E DISTANCE 49.779'	
DIRECTION AHEAD N42°04'29"E	
EC N 13,819,792.8441 E 2,263,080.8269	42+86.89
CURVE (19)	
LINE (20)	
NON-TANGENT RADIAL BEARING S47°55'31"E	
N42°04'57"E 146.439'	
N 13,819,901.5281 E 2,263,178.9705	44+33.33
LINE (20)	
NON-TANGENT RADIAL BEARING S47°52'05"E	
CURVE (21)	
BC N 13,819,901.5281 E 2,263,178.9705	44+33.33
CTR N 13,820,240.3653 E 2,262,804.3926	
PI N 13,819,950.7503 E 2,263,223.4961	
DIRECTION BACK N42°07'55"E	
RADIUS 505.093'	
DELTA 14°58'21"(LT)	
LENGTH 131.989'	
TANGENT 66.373'	
CHORD DIRECTION N34°38'45"E DISTANCE 131.614'	
DIRECTION AHEAD N27°09'35"E	
EC N 13,820,009.8048 E 2,263,253.7934	45+65.32
CURVE (21)	
REVERSING CURVE	
NON-TANGENT RADIAL BEARING N62°50'26"W	
CURVE (22)	
BC N 13,820,009.8048 E 2,263,253.7934	45+65.32
CTR N 13,819,450.4163 E 2,264,344.1463	
PI N 13,820,375.5581 E 2,263,441.4374	
DIRECTION BACK N27°09'34"E	
RADIUS 1,225.473'	
DELTA 37°05'15"(RT)	
LENGTH 793.248'	
TANGENT 411.079'	
CHORD DIRECTION N45°42'11"E DISTANCE 779.472'	
DIRECTION AHEAD N64°14'49"E	
EC N 13,820,554.1693 E 2,263,811.6856	53+58.56
CURVE (22)	
END ALIGN TRAIL A CL	
***** ALIGNMENT LENGTH: 5,291.101' *****	

REVISIONS	1	2	3	4	Δ	DESC.	DATE

JEFFREY S. TONORE
65009
3/12/2024

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CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-169

City of
New Braunfels

TRAIL PATH A PLAN AND PROFILE
STA 41+00-51+00
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

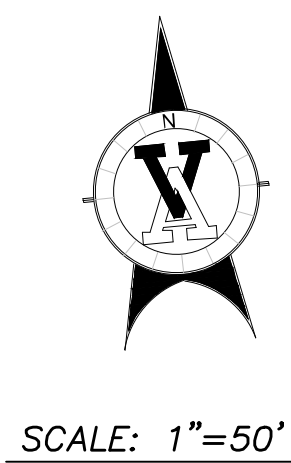
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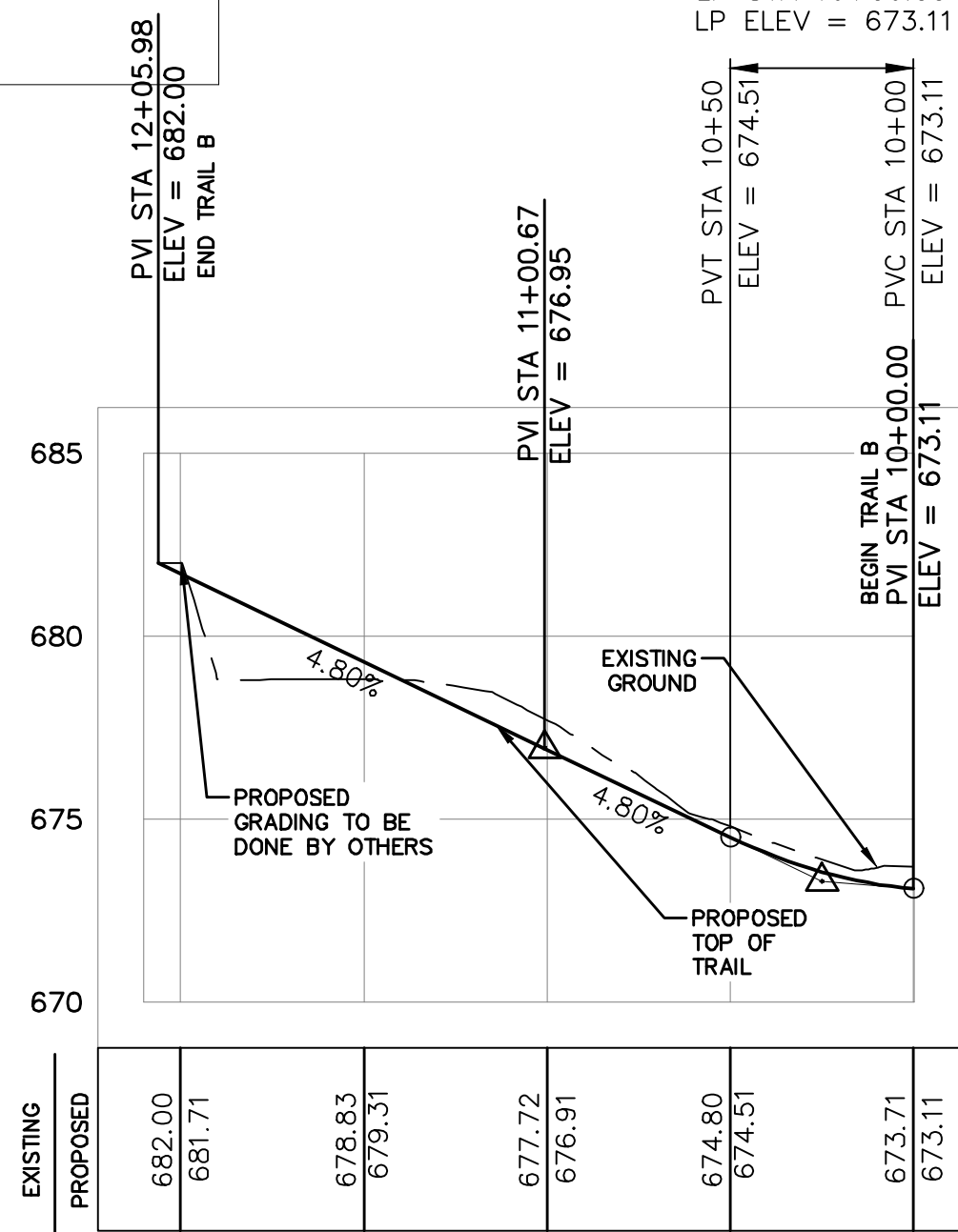
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SHEET
C12

PROJ. NO. 3032.002

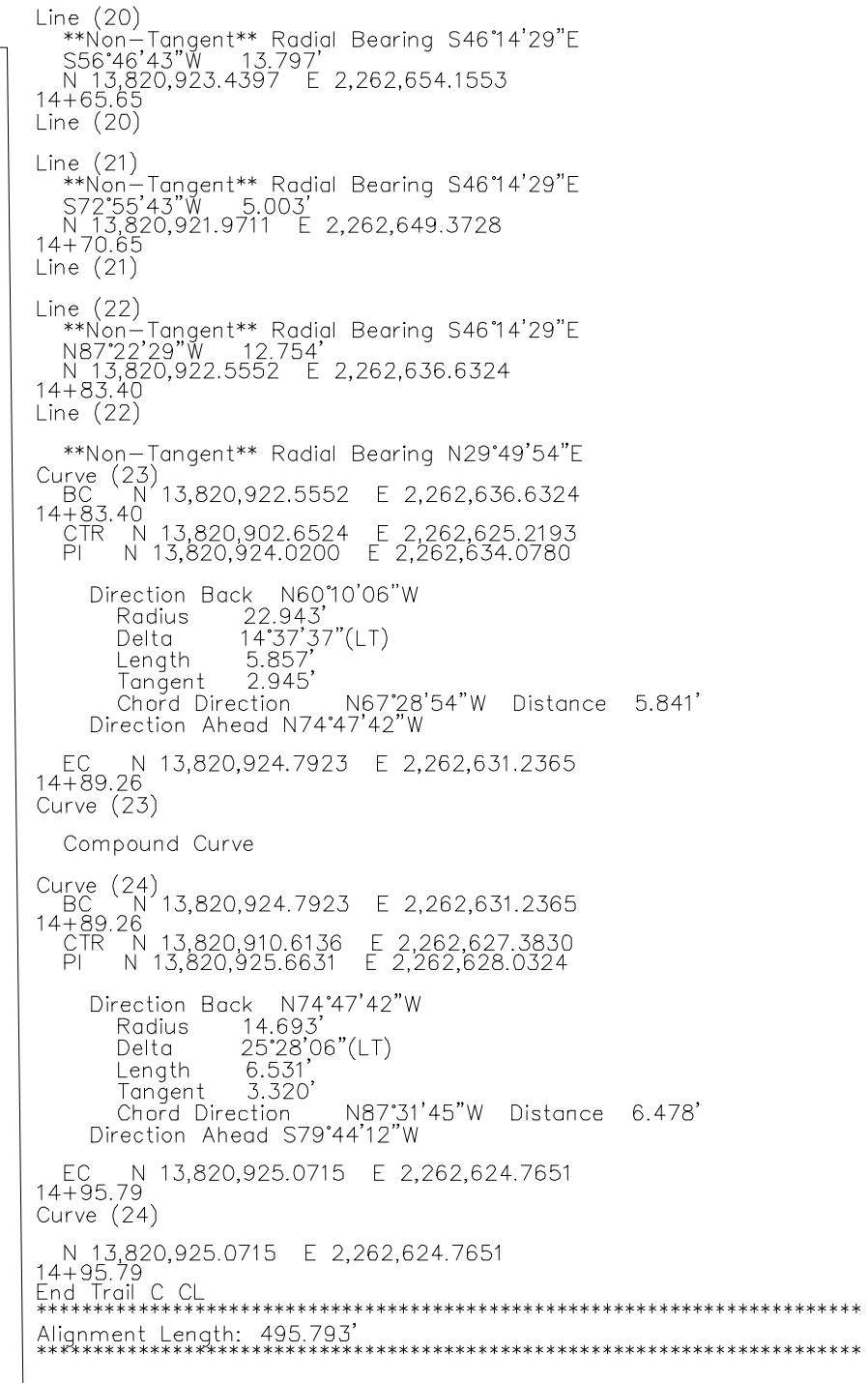
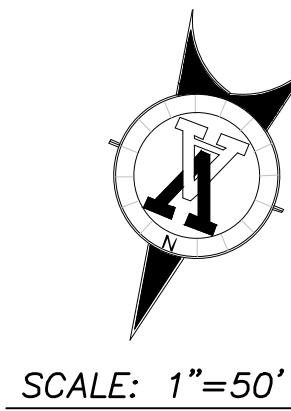


HORIZONTAL ALIGNMENT REPORT



LEGEND		
●	SET 1/2 INCH IRON ROD W/ 1/4 PROPERTY CORNER CAP.	— 675 — EXISTING CONTOURS
○	FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)	— 675 — PROPOSED CONTOURS
		 CONCRETE SIDEWALK
		 ALLEGATO CREEK CENTERLINE
		 FLOODWAY
		 100 YR FLOOD PLAIN
		 500 YR FLOOD PLAIN

HORIZONTAL ALIGNMENT REPORT



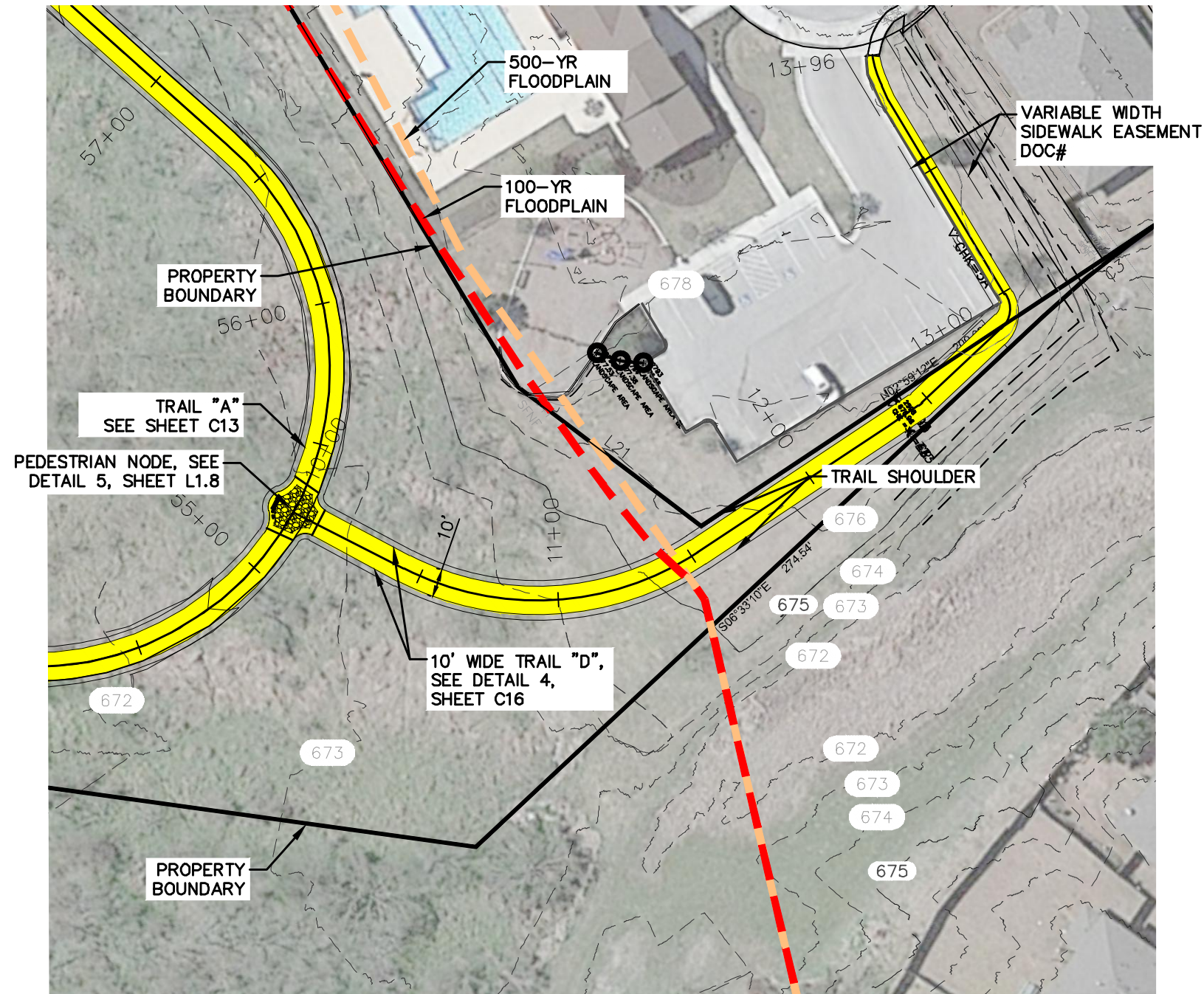
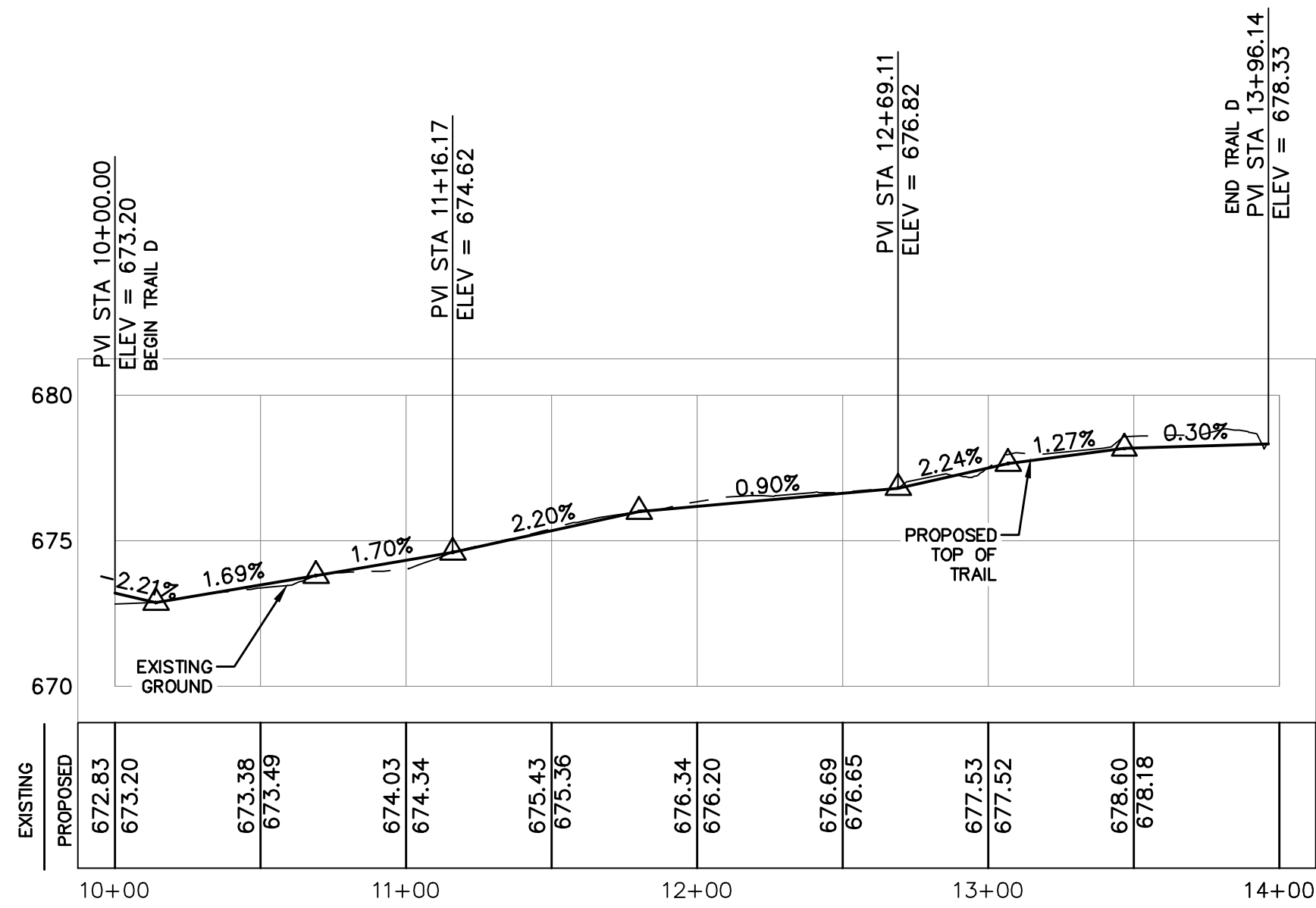
Aug 11, 2024 - 2:06pm
All 2024-2025 Engineering Changes Trail, D, E & F.pdf.dwg

DRAWN BY: CR

CHECKED BY: DB

APPROVED BY: JT

TRAIL D PROFILE

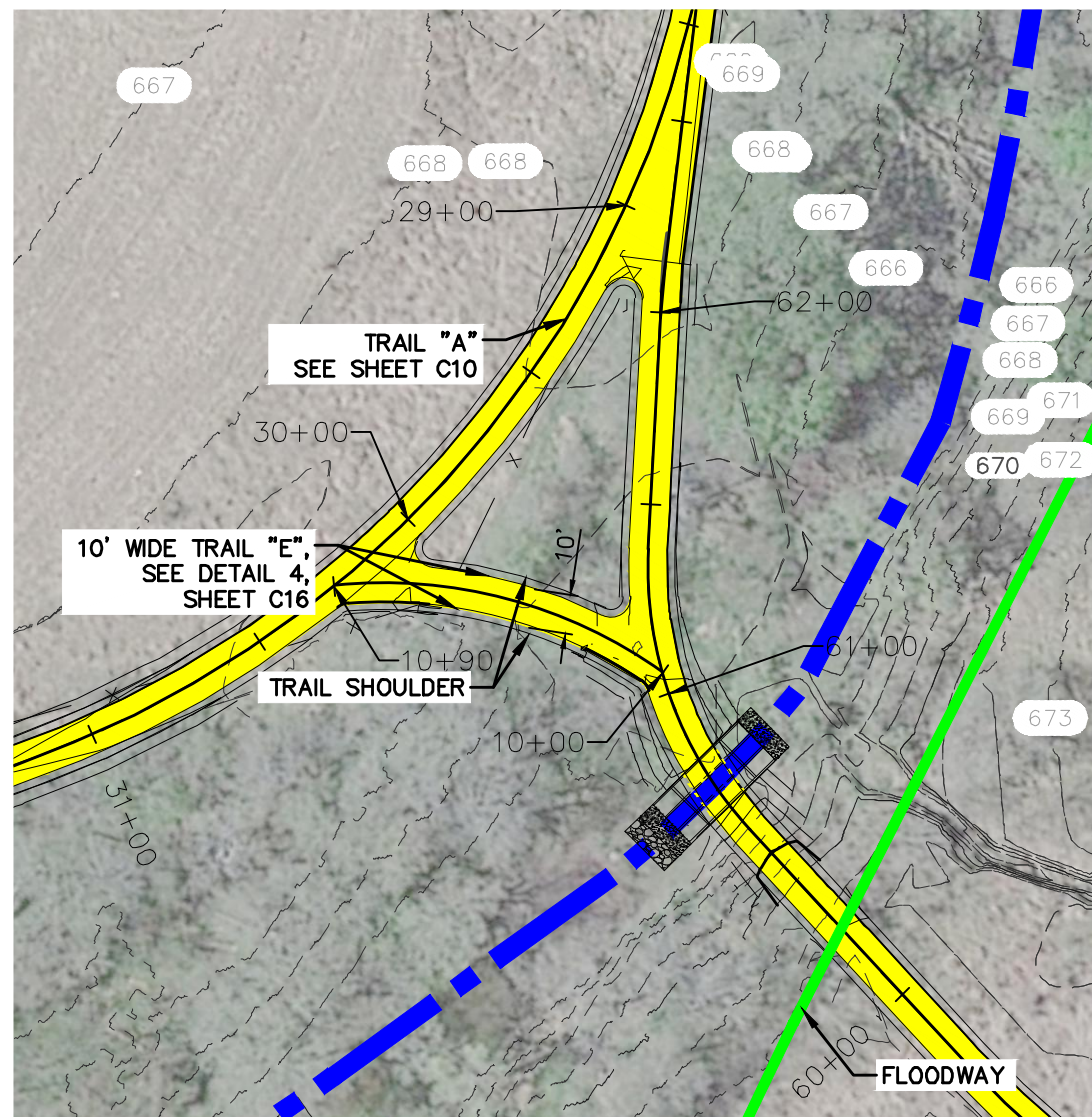
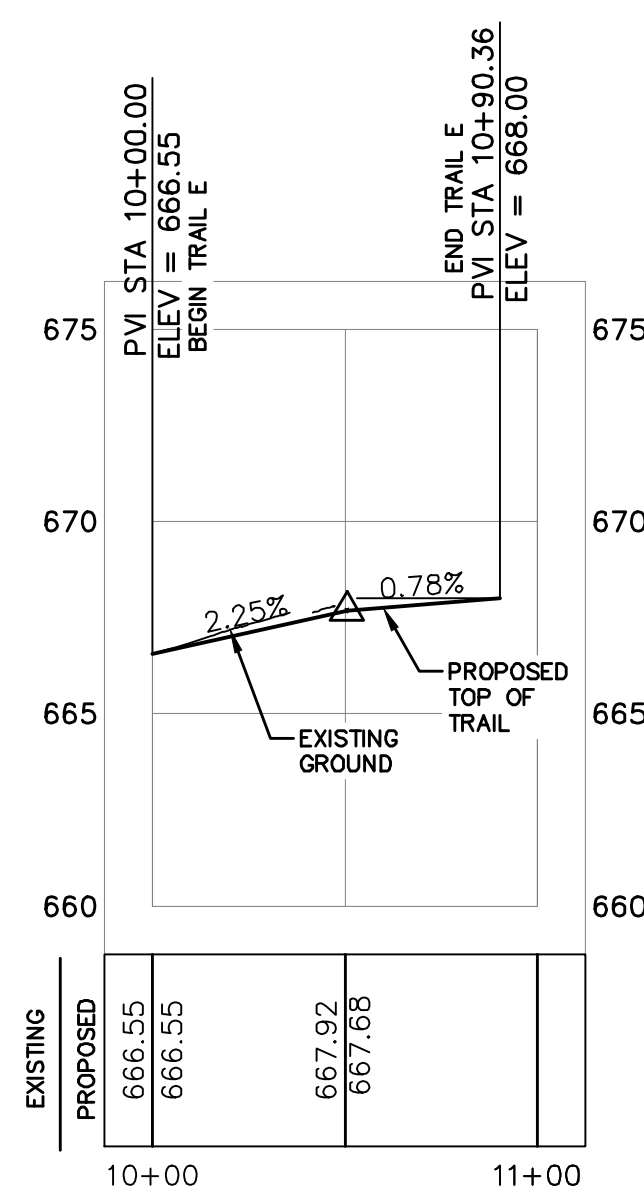


TRAIL D

HORIZONTAL ALIGNMENT REPORT

Alignment Name: Trail D CL Station Range: Start: 10+00.00, End: 13+99.02	Line (3) N 13,820,880.4263 E 2,263,963.9385 12+33.20	**Non-Tangent** Radial Bearing N85°32'59"E Curve (7) BC N 13,820,938.4820 E 2,263,959.4079 12+91.56 CTR N 13,820,938.0834 E 2,263,964.4144 PI N 13,820,942.6587 E 2,263,959.0829
Begin Trail D CL N 13,820,693.7031 E 2,263,863.5050 10+00.00	Line (4) **Non-Tangent** Radial Bearing S86°50'07"E N 13,820,893.0099 E 2,263,964.5039 12+45.80	Direction Back N4°27'01"W Radius 5.009' Delta 79°42'11"(LT) Length 6.978' Tangent 4.189' Chord Direction N44°21'37"W Distance 6.427' Direction Ahead N84°16'12"W
Line (1) N6°33'16"E 43.665' N 13,820,713.1038 E 2,263,902.6234 10+43.67	Curve (5) BC N 13,820,893.0099 E 2,263,964.5039 12+45.80 CTR N 13,820,893.4587 E 2,263,954.5139 PI N 13,820,893.8071 E 2,263,964.5397	EC N 13,820,943.0769 E 2,263,954.9145 12+98.54 Curve (7)
Curve (2) N 13,820,713.1038 E 2,263,902.6234 CTR N 13,820,805.4202 E 2,263,856.8393 PI N 13,820,739.7809 E 2,263,956.4136	Direction Back N2°34'21"E Radius 10.000' Delta 9°07'31"(LT) Length 1.593' Tangent 0.758' Chord Direction N1°59'24"W Distance 1.591' Direction Ahead N6°33'10"W	Line (8) **Non-Tangent** Radial Bearing N5°43'48"E N84°18'35"W 100.482' N 13,820,953.0398 E 2,263,854.9273 13+99.02
Direction Back N6°33'16"E Radius 103.046' Delta 60°27'23"(LT) Length 106.730' Tangent 60.042' Chord Direction N33°23'34"E Distance 103.756' Direction Ahead N3°09'53"E	EC N 13,820,894.5999 E 2,263,964.4486 12+47.39 Curve (5)	N 13,820,953.0398 E 2,263,854.9273 13+99.02 End Trail D CL
EC N 13,820,799.7314 E 2,263,959.7283 11+52.40 Curve (2)	Line (6) N6°33'10"W 44.171' N 13,820,938.4820 E 2,263,959.4079 12+91.56	Alignment Length: 399.020'
Line (3) **Non-Tangent** Radial Bearing S86°50'07"E N2°59'12"E 80.805'	Line (8)	

TRAIL E PROFILE



TRAIL E

HORIZONTAL ALIGNMENT REPORT

ALIGNMENT NAME: ALIGN TRAIL E CL STATION RANGE: START: 10+00.00, END: 10+90.36	EC N 13,820,747.6488 E 2,263,236.1354 10+90.36 Curve (1)
DESCRIPTION: BEGIN ALIGN TRAIL E CL (1) N 13,820,771.3181 E 2,263,321.3105 10+00.00	N 13,820,747.6488 E 2,263,236.1354 10+90.36 END ALIGN TRAIL E CL (1) ALIGNMENT LENGTH: 90.355'
CURVE (1) BC N 13,820,771.3181 E 2,263,321.3105 10+00.00 CTR N 13,820,646.7641 E 2,263,310.0465 PI N 13,820,775.5739 E 2,263,274.2516	
DIRECTION BACK N84°49'57"W RADIUS 125.062' DELTA 41°23'42"(LT) LENGTH 90.355' TANGENT 47.291' CHORD DIRECTION S74°28'12"W DISTANCE 88.403' DIRECTION AHEAD S53°46'21"W	

LEGEND	
● SET 1/2 INCH IRON ROD w/ V/A PROPERTY CORNER CAP.	— 675 — EXISTING CONTOURS
○ FOUND 1/2 INCH IRON ROD (UNLESS OTHERWISE NOTED)	— 675 — PROPOSED CONTOURS
R.O.W. RIGHT OF WAY	CONCRETE SIDEWALK
BSL BUILDING SETBACK LINE	ALLIGATOR CREEK CENTERLINE
RCP REINFORCED CONCRETE PIPE	FLOODWAY
GETCA GAS, ELECTRIC, TELEPHONE, CABLE	100 YR FLOOD PLAN
VOL. VOLUME	500 YR FLOOD PLAN
PG. PAGE	
EX. EXISTING	
ESM'T EASEMENT	
— FENCE	

REVISIONS

1	2	3	4	Δ	DESC.

3/12/2024

VICKREY & ASSOCIATES, LLC

CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, TX 78216

Telephone: (210) 349-3271

Firm Registration No: F-169

City of
New Braunfels

TRAIL PATH D & E

PLAN AND PROFILE

ALLIGATOR CREEK TRAIL

NEW BRAUNFELS, TEXAS

DATE: Mar. 2024

Vertical Scale 1"=5'
Horizontal Scale 1"=50'
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SHEET
C15

PROJ NO. 3032.002



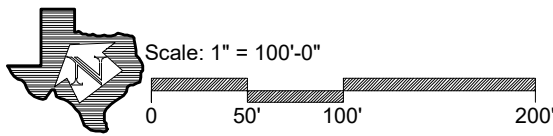
MATERIALS SCHEDULE

DESCRIPTION	SPECIFICATIONS
CONCRETE PAVING	REFERENCE CIVIL PLANS FOR DETAILS, REINFORCEMENT, AND FINISHES
STAMPED CONCRETE PAVING	PATTERN: RANDOM FLAGSTONE COLOR: TO BE SELECTED BY CLIENT NOTES: CONTRACTOR TO WILL PROVIDE A CUTSHEET OF PAVING PATTERN AND COLOR SAMPLE PRIOR TO ORDERING MATERIAL. CONTRACTOR WILL PROVIDE A 10'-0" X 10'-0" MOCK-UP FOR CLIENT APPROVAL PRIOR TO CONSTRUCTION.
TRASH CAN	DISTRIBUTOR: PLAYCORE COMPANY MODEL: SUPERIOR TR32CROWN-RB COLOR: COLOR TO BE SELECTED BY OWNER TEL: 1-877-762-7563 CONTRACTOR TO SUBMIT PRODUCT CUTSHEETEETS FOR CLIENT REVIEW AND APPROVAL
PET WASTE STATION	DISTRIBUTOR: MUTT MITT MODEL: MUTT MITT DOG WASTE STATION WITH 400 BAGS SKU1004 TEL: 1-800 697-6084 CONTRACTOR TO SUBMIT PRODUCT CUTSHEETEETS FOR CLIENT REVIEW AND APPROVAL
BOULDERS	PRODUCT: TEXAS BOULDER APPROX SIZE: 4' X 3' X 15" TEL: 281-356-2110 DISTRIBUTOR: COWBOY TRUCKING INC. WEB: COWBOY TOPSOIL.COM TEL: 713-932-9825 CONTRACTOR TO SUBMIT SAMPLES FOR CLIENT REVIEW AND APPROVAL

- CONC. JOINT NOTES:
- UNLESS OTHERWISE NOTED ON CIVIL PLANS, PROVIDE (1) TOOLED CONSTRUCTION JOINT 10' ON CENTER PER LINEAL FEET OF CONC. TRAIL.
 - UNLESS OTHERWISE NOTED ON CIVIL PLANS, PROVIDE (1) EXPANSION JOINT PER 40' MAX PER LINEAL FEET OF CONC. TRAIL, AT INTERSECTIONS BETWEEN FLAGSTONE PAVING, AND INTERSECTIONS BETWEEN EXISTING CONCRETE AND NEW CONCRETE.
 - UNLESS OTHERWISE NOTED ON CIVIL PLANS, PROVIDE CONSTRUCTION JOINTS @ ALL JUNCTIONS WHERE CONC. IMPROVEMENTS CHANGE DIRECTION.
 - REFER TO CIVIL PLANS FOR CONC. JOINT DETAILS AND SPECIFICATIONS.

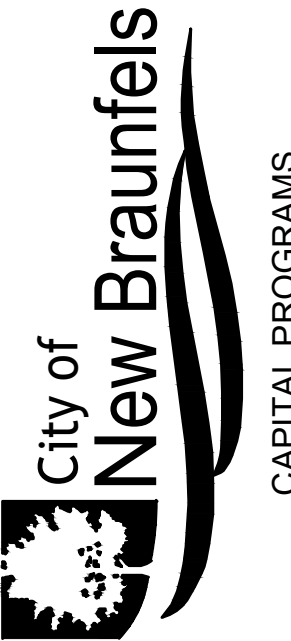


HORIZON
DESIGN AND DEVELOPMENT
PLANNING LANDSCAPE ARCHITECTURE
DEVELOPMENT CONSULTING
14607 San Pedro Ave., Suite 200
San Antonio, Texas 78232
210.831.8564 jrobinson@horizondesign-sa.com



REVISIONS				
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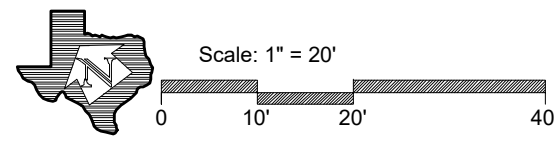


OVERALL LANDSCAPE
CONSTRUCTION PLAN
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024	
Vertical Scale 1"=	1"
Horizontal Scale 1"=	1"
SHEET	OF
L1.0	9
PROJ. NO. 3032.002	

Mar 07, 2024 - 9:03am
X:\Projects\2022\2022-002 - West Alligator Creek\Construction Documents\West Alligator Creek L1.1 Item L1.2 Enlarged Landscape Construction Plan.dwg

DRAWN BY: RA CHECKED BY: DB APPROVED BY: JT



03.12.24
Exp. 07.30.25

HORIZON
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San Antonio, Texas 78232
210.831.8564 jrobinson@horizondesign-sa.com

ENLARGED LANDSCAPE
CONSTRUCTION PLAN

ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024

Vertical Scale 1"= 0'
Horizontal Scale 1"= 20'

SHEET L1.1 OF 9

PROJ. NO. 3032.002

City of
New Braunfels
CAPITAL PROGRAMS

VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-159

REVISIONS	
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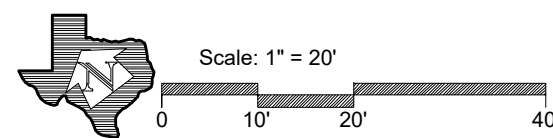
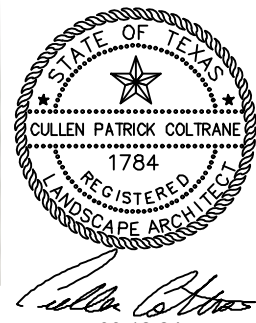
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Mar 07, 2024 - 9:05am
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MATCHLINE SHEET L1.1
MATCHLINE SHEET L1.2

MATCHLINE SHEET L1.2
MATCHLINE SHEET L1.3



HORIZON
DESIGN AND DEVELOPMENT
PLANNING LANDSCAPE ARCHITECTURE
DEVELOPMENT CONSULTING
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San Antonio, Texas 78232
210.831.8564 jrobinson@horizondesign-sa.com

ENLARGED LANDSCAPE
CONSTRUCTION PLAN
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS



VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 348-3271
Firm Registration No: F-1159

REVISIONS	
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	DATE

DATE: March 12, 2024
Vertical Scale 1" = 0'
Horizontal Scale 1" = 0'
SHEET **L1.2** OF **9**
PROJ NO. 3032.002

Aug 07, 2024 - 10:56am
1: Alligator Creek Construction Document West Alligator Creek L1.1 thru L1.7 Enlarged Landscape Construction Plan.dwg



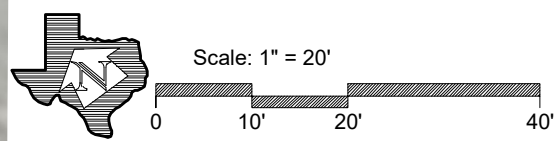
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MATCHLINE SHEET L1.2

MATCHLINE SHEET L1.3

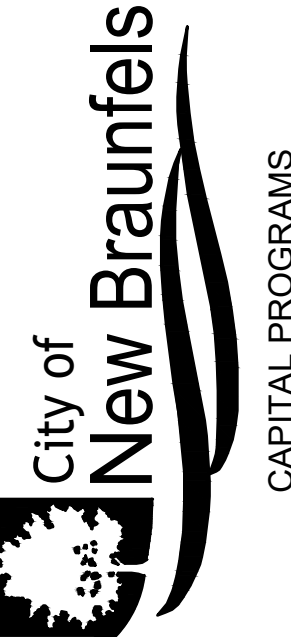
MATCHLINE SHEET L1.3

MATCHLINE SHEET L1.4



HORIZON
DESIGN AND DEVELOPMENT
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San Antonio, Texas 78232
210.831.8564 jrobinson@horizondesign-sa.com

ENLARGED LANDSCAPE
CONSTRUCTION PLAN
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS



VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 349-3271
Firm Registration No: F-169

REVISIONS

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DATE: March 12, 2024

Vertical Scale 1" =
Horizontal Scale 1" =
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SHEET
L1.3
OF
9
PROJ NO. 3032.002



MATCHLINE SHEET L1.4

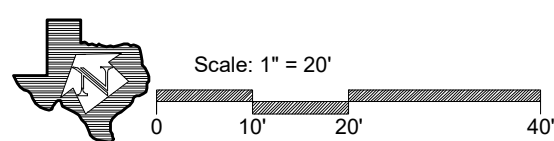
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STAMP FLAGSTONE
CONCRETE PATTERN
REF: DETAIL 2/L1.8
STATION 58+00

PEDESTRIAN NODE
REF: DETAIL 5/L1.8
STATION 55+30



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San Antonio, Texas 78232
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REVISIONS	
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Telephone: (210) 349-3271
Firm Registration No: F-159

City of New Braunfels
CAPITAL PROGRAMS

**ENLARGED LANDSCAPE
CONSTRUCTION PLAN**
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024
Vertical Scale 1"= 0'
Horizontal Scale 1"= 0'

SHEET **L1.4** OF **9**

PROJ NO. 3032.002

Mar 07, 2024 - 8:06am
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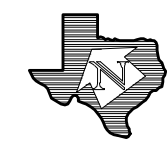
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CHECKED BY: DB
APPROVED BY: JT

MATCHLINE SHEET L1.3
MATCHLINE SHEET L1.5

MATCHLINE SHEET L1.4
MATCHLINE SHEET L1.5

MATCHLINE SHEET L1.5
MATCHLINE SHEET L1.6


STAMP FLAGSTONE
CONCRETE PATTERN
REF: DETAIL 2/L1.8
STATION 52+00



Scale: 1" = 20'

0 10' 20' 40'

HORIZON
DESIGN AND DEVELOPMENT
PLANNING LANDSCAPE ARCHITECTURE
DEVELOPMENT CONSULTING
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03.12.23
Exp. 07.30.25

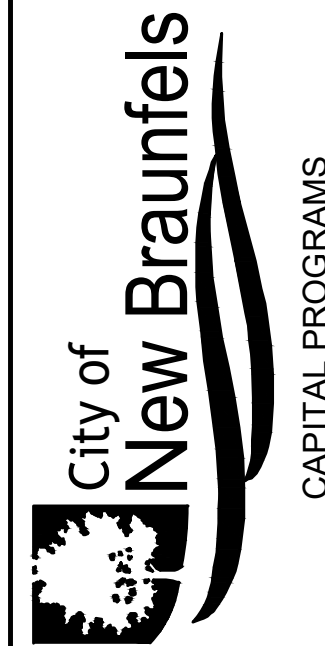
ENLARGED LANDSCAPE
CONSTRUCTION PLAN
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024

Vertical Scale 1" = 0'
Horizontal Scale 1" = 0'

SHEET 1.5 OF 9

PROJ NO. 3032.002



VICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 348-3271
Firm Registration No: F-189

REVISIONS	
1	
2	
3	
4	
Δ	DESC.

09/2023

DATE

MATCHLINE SHEET L1.3

MATCHLINE SHEET L1.6

MATCHLINE SHEET L1.5

MATCHLINE SHEET L1.6

REST AREA REF:
DETAIL 3/L1.8
STATION 33+00

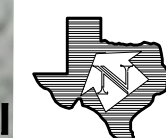
REST AREA REF:
DETAIL 3/L1.8
STATION 49+00

STAMP FLAGSTONE
CONCRETE PATTERN
REF: DETAIL 2/L1.8
STATION 46+00

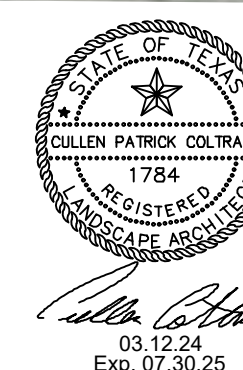
STAMP FLAGSTONE
CONCRETE PATTERN
REF: DETAIL 2/L1.8
STATION 37+00

MATCHLINE SHEET L1.6

MATCHLINE SHEET L1.7

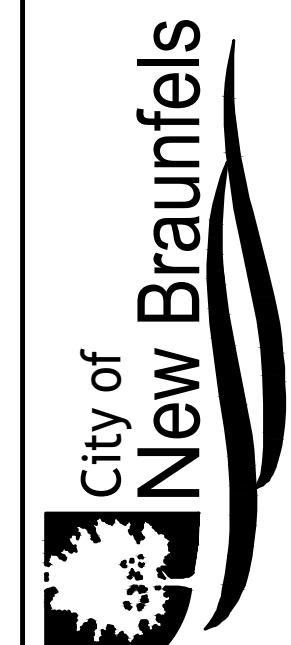
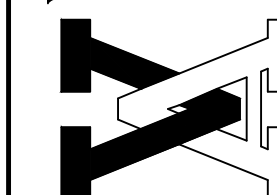


Scale: 1" = 20'



H O R I Z O N
DESIGN AND DEVELOPMENT
PLANNING LANDSCAPE ARCHITECTURE
DEVELOPMENT CONSULTING
14607 San Pedro Ave., Suite 200
San Antonio, Texas 78232
210.831.8564 jrobinson@horizondesign-sa.com

WICKREY & ASSOCIATES, LLC
CONSULTING ENGINEERS



ENLARGED LANDSCAPE
CONSTRUCTION PLAN

ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024

Vertical Scale 1" =
Horizontal Scale 1" =
0

SHEET	OF
L1.6	9

1

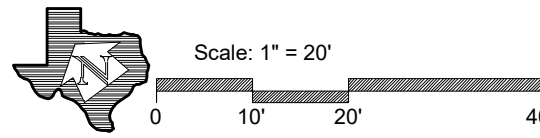
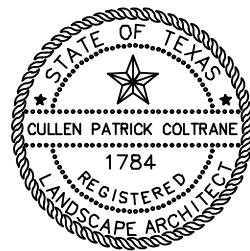


MATCHLINE SHEET L1.6

MATCHLINE SHEET L1.7

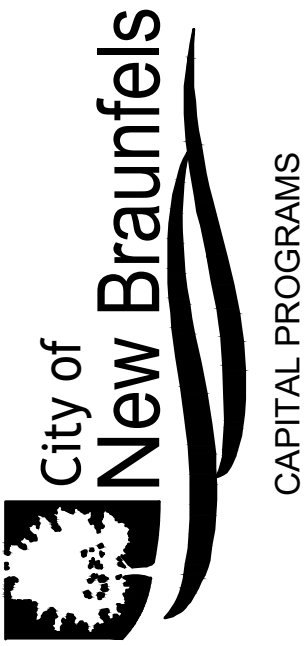
REST AREA REF:
DETAIL 3/L1.8
STATION 43+00

STAMP FLAGSTONE
CONCRETE PATTERN
REF: DETAIL 2/L1.8
STATION 40+00



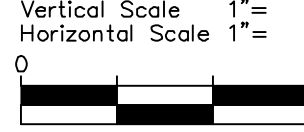
HORIZON
DESIGN AND DEVELOPMENT
PLANNING, LANDSCAPE ARCHITECTURE
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14607 San Pedro Ave., Suite 200
San Antonio, Texas 78232
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VICKREY & ASSOCIATES, LLC
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12940 Country Parkway, San Antonio, TX 78216
Telephone: (210) 348-3271
Firm Registration No. F-159



**ENLARGED LANDSCAPE
CONSTRUCTION PLAN**
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024



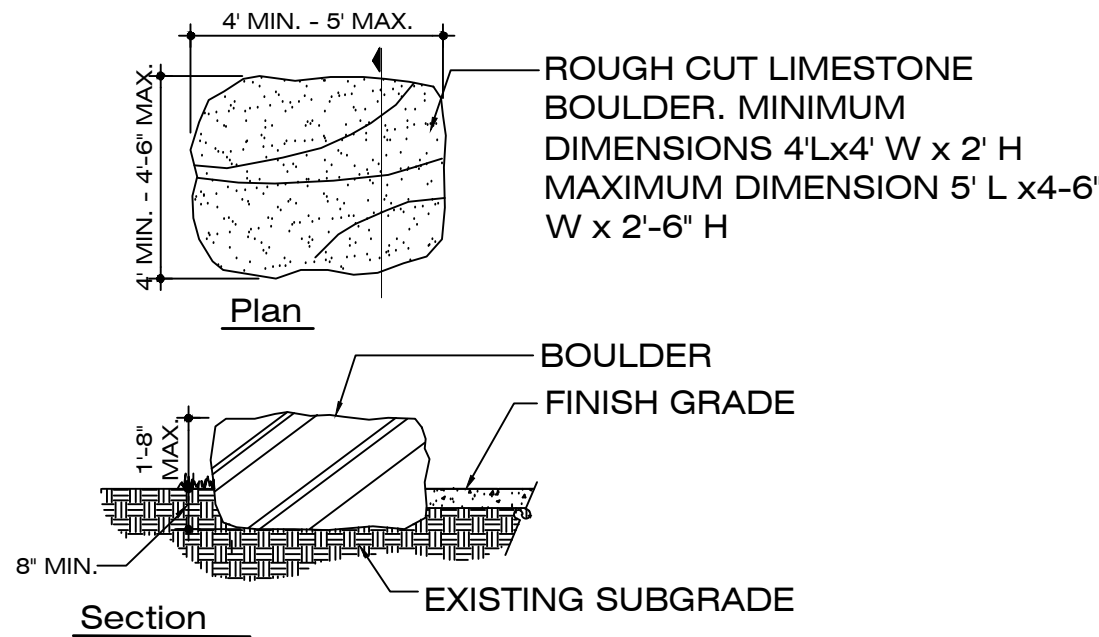
SHEET **L1.7** OF **9**

PROJ NO. 3032.002

REVISIONS	
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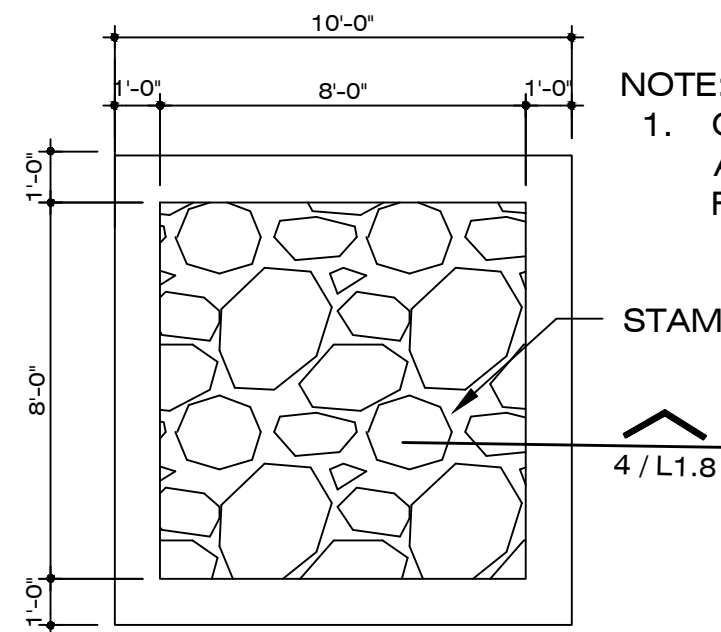
03/25

Mar 07, 2024 - 9:05am
C:\Users\jrobinson\OneDrive\Projects\2023\2023-082 - West Alligator Creek\Construction Documents\West Alligator Creek L1.8 Landscape Construction Details.dwg



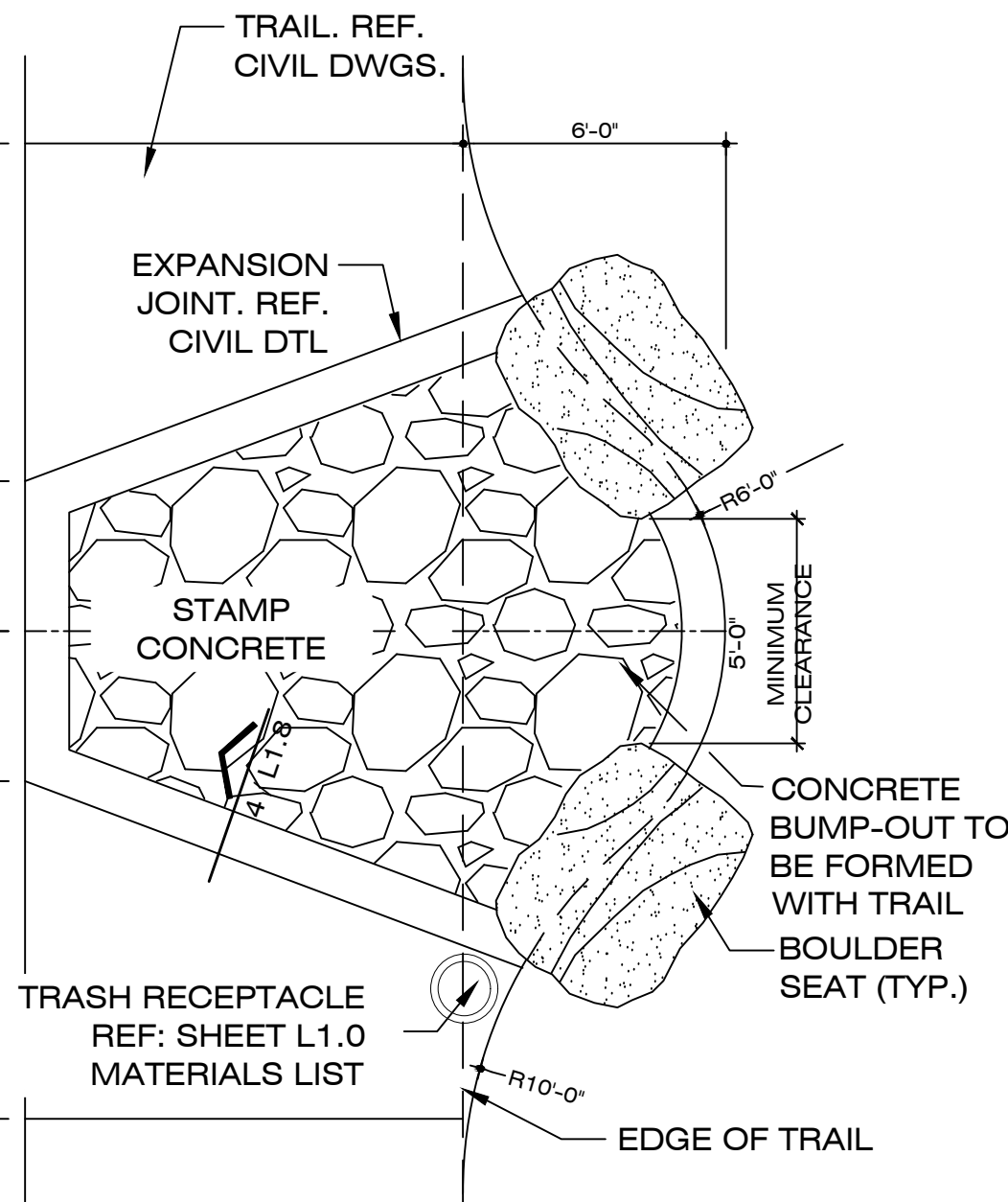
BOULDER SEAT

SCALE: 1/4" = 1'-0"



STAMPED FLAGSTONE CONCRETE PATTERN

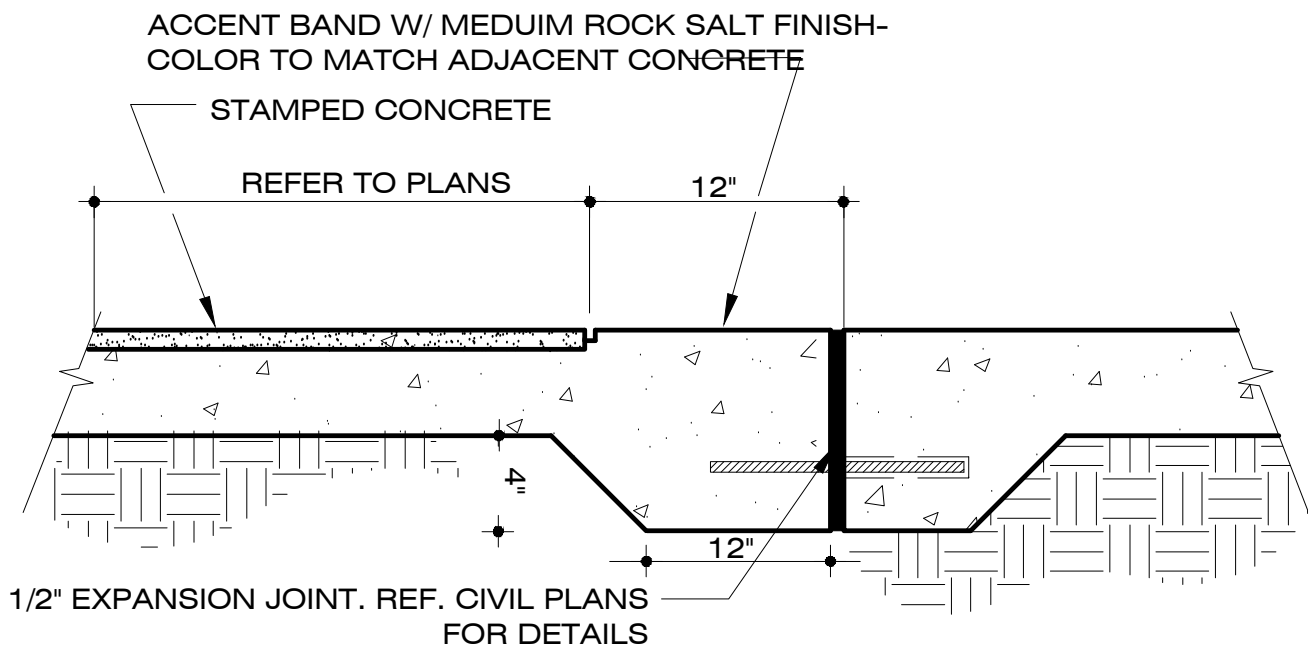
SCALE: 1/4" = 1'-0"



PLAN-REST AREA

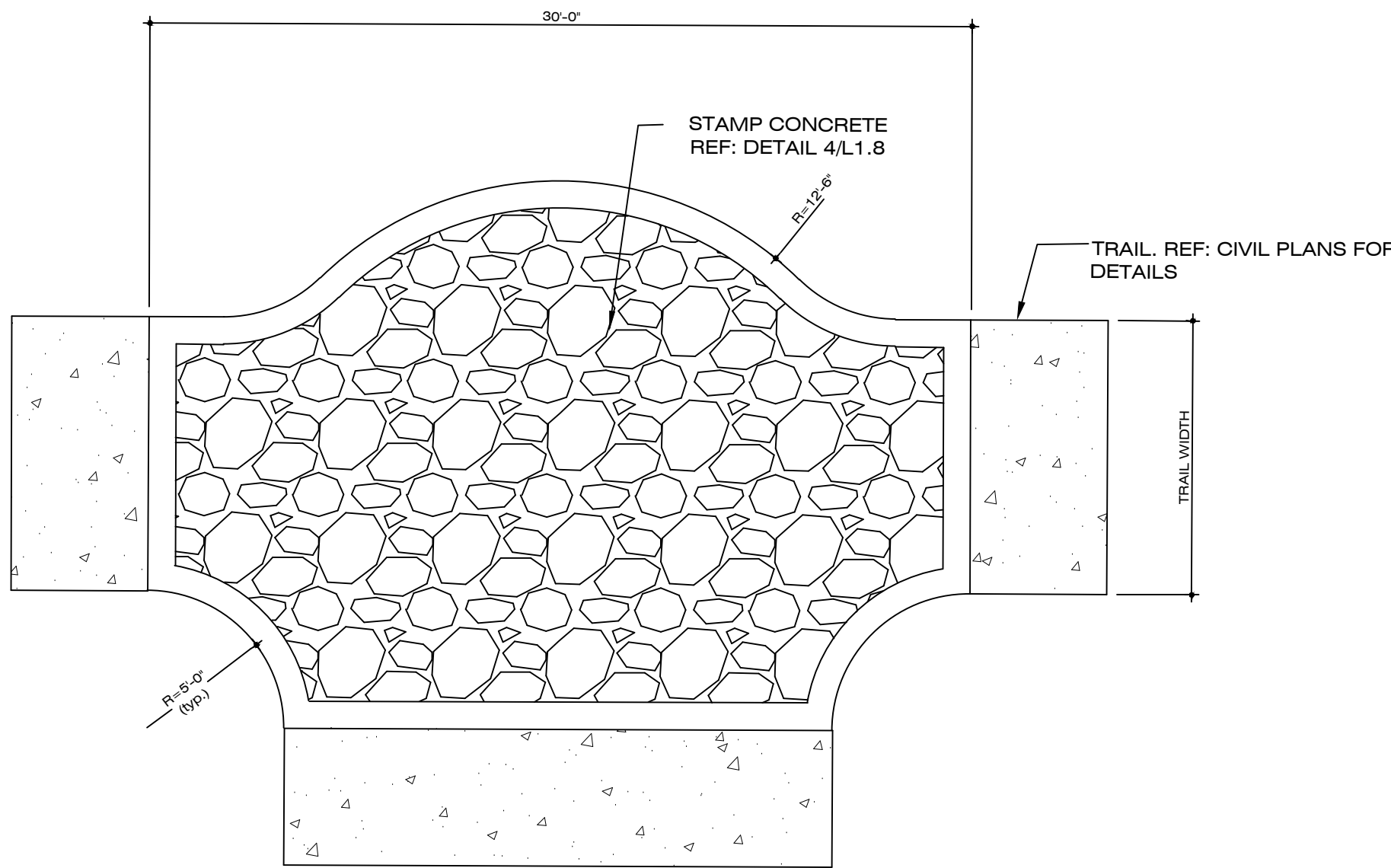
SCALE: 1/4" = 1'-0"

- NOTES:
1. STAMPED CONCRETE PATTERN: CONTRACTOR TO SUBMIT STAMP CONCRETE PATTERN FOR CLIENT REVIEW AND APPROVAL.
 2. STAMPED CONCRETE COLOR: CONTRACTOR TO SUBMIT COLOR SAMPLES FOR CLIENT REVIEW AND APPROVAL.
 3. CONTRACTOR TO PROVIDE A 10'-0" X10'-0" MOCKUP FOR CLIENT REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 4. REFER TO CIVIL DETAILS FOR TYP. CONCRETE THICKNESS, P.S.I., REINFORCING, AND SUBGRADE PREPARATION.



STAMPED FLAGSTONE CONCRETE PATTERN W/ 12" ACCENT BAND

SCALE: 1/4" = 1'-0"



PEDESTRIAN NODE

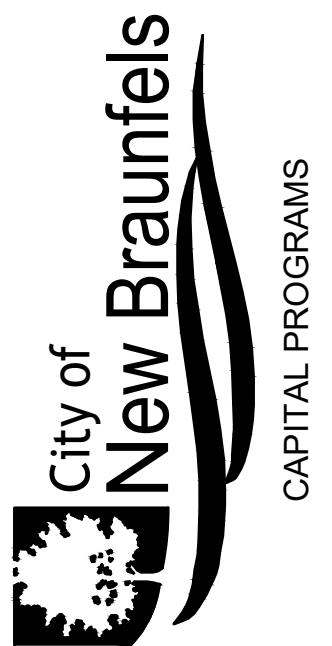
SCALE: 1/4" = 1'-0"



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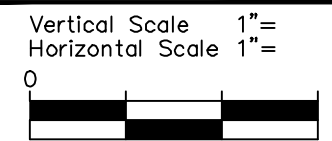
REVISIONS	
1	
2	
3	
4	
Δ	DESC.

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**LANDSCAPE CONSTRUCTION
DETAILS**
ALLIGATOR CREEK TRAIL
NEW BRAUNFELS, TEXAS

DATE: March 12, 2024



SHEET **L1.8** OF **9**

PROJ. NO. 3032.002