



**LEGEND:**

- 666 --- EXISTING CONTOURS
- 665 — PROPOSED CONTOURS
- ▨▨▨▨▨ EFFECTIVE 1% ANNUAL CHANCE FLOODPLAIN
- ▨▨▨▨▨ BEST AVAILABLE 1% ANNUAL CHANCE FLOODPLAIN
- DEVELOPABLE LAND

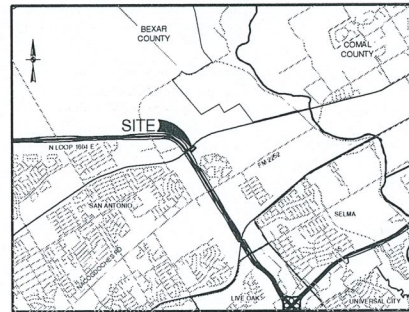
TOTAL SITE	51.276 AC
GUN CLUB TRACT	3.303 AC
REMAINING UNDEVELOPED LAND	47.973 AC
EFFECTIVE FLOODPLAIN	±15.20 AC
PRE-PROJECT REMAINING DEVELOPABLE LAND	±32.77 AC
POST-PROJECT DRAINAGE EASEMENT	±8.80 AC
POST-PROJECT REMAINING DEVELOPABLE LAND	±41.17 AC

**PAPE-DAWSON**  
**ENGINEERS**

# NARDIS DRAINAGE CHANNEL

## SAN ANTONIO, TEXAS

### CIVIL CONSTRUCTION PLANS



LOCATION MAP  
NOT-TO-SCALE

PREPARED FOR:

NARDIS INVESTMENT CO  
4818 IH-10 E  
SAN ANTONIO, TEXAS 78219

OCTOBER 2022



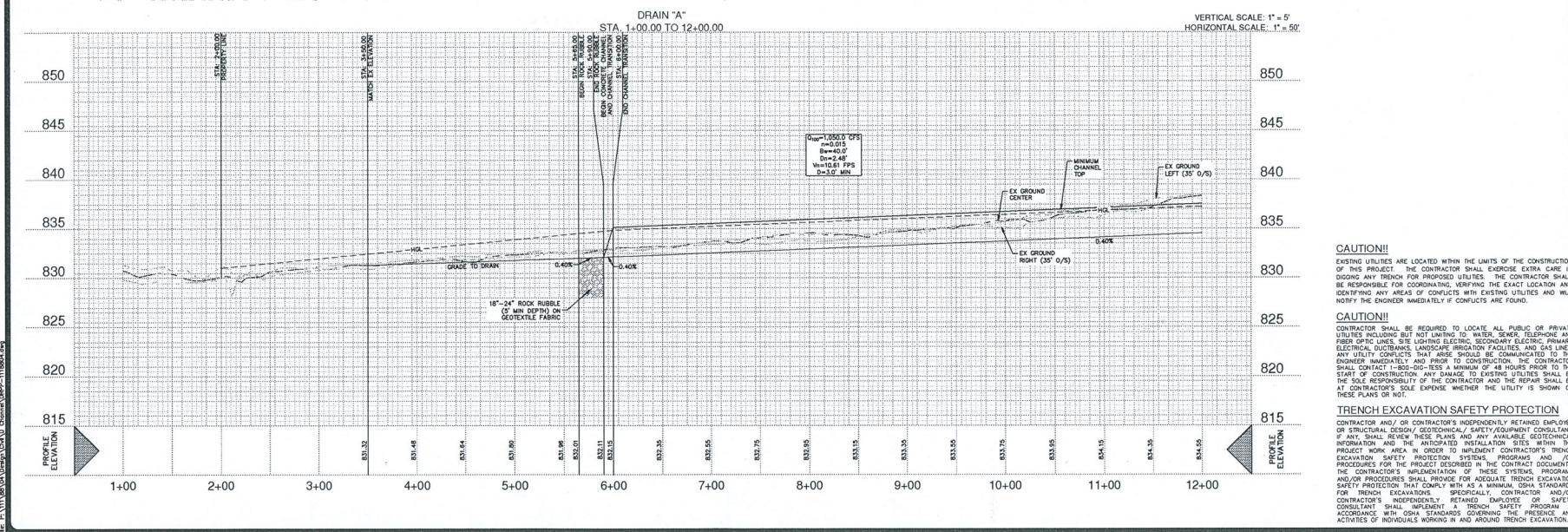
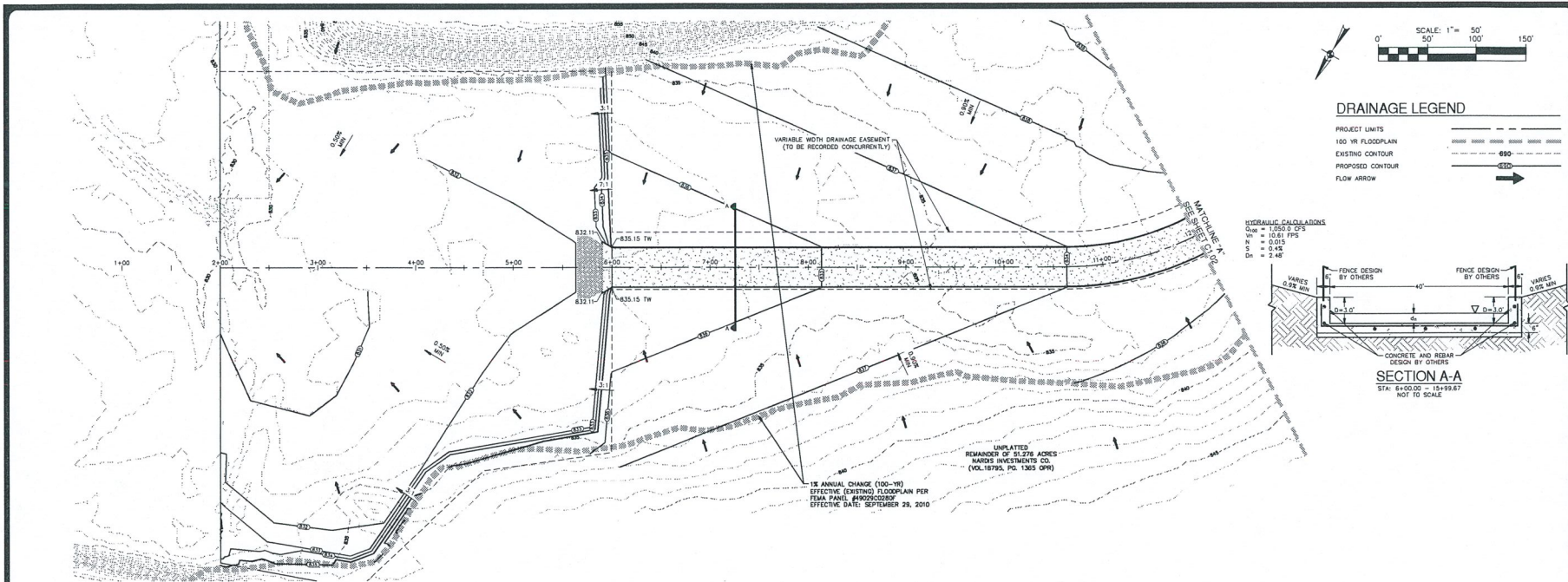
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78219 | 210.375.8000  
TXPE FIRM REGISTRATION #470 | TXPE FIRM REGISTRATION #13002800

Sheet List

Sheet Title	Sheet Description	Sheet No.
COVER SHEET		C0.00
OVERALL DRAINAGE PLAN		C1.00
DRAIN A PLAN AND PROFILE (1 OF 3)	STA 1+00.00 TO 12+00.00	C1.01
DRAIN A PLAN AND PROFILE (2 OF 3)	STA 12+00.00 TO 19+00.00	C1.02
DRAIN A PLAN AND PROFILE (3 OF 3)	STA 19+00.00 TO END	C1.03
DRAINAGE DETAILS		C1.10

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**CAUTION!!**  
 EXISTING UTILITIES ARE LOCATED WITHIN THE LIMITS OF THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL EXERCISE EXTRA CARE IN DIGGING ANY TRENCH FOR PROPOSED UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, VERIFYING THE EXACT LOCATION AND IDENTIFYING ANY AREAS OF CONFLICTS WITH EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

**TRENCH EXCAVATION SAFETY PROTECTION**  
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND JOB PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

DATE	REVISION

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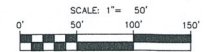
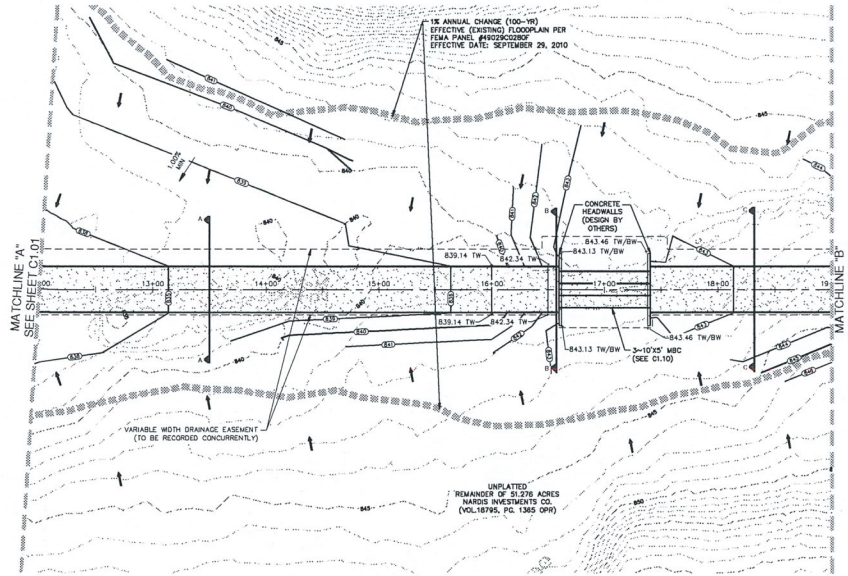
**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2005 NW LOOP 415 | SAN ANTONIO, TX 78213 | 210.275.8000  
 TYPED BY: ERIN H. GUSTAFSON; DATE: 4/28/22 | 11893 | 11894 | 11895 | 11896 | 11897 | 11898 | 11899 | 11900

**NARDIS DRAINAGE CHANNEL**  
 SAN ANTONIO, TEXAS  
 DRAIN A PLAN AND PROFILE (1 OF 3)  
 (STA. 1+00 TO 12+00.00)

PLAT NO.	11188-04
JOB NO.	
DATE	OCTOBER 2022
DESIGNER	NOB
CHECKED	DRAIN_NOB
SHEET	C1.01

Date: Oct 26, 2022, 11:00am User: E. Pineda  
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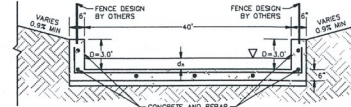
DESIGNER HAS BEEN PROVIDED FOR MEASUREMENT AND SHALL BE USED AS SHOWN UNLESS OTHERWISE NOTED BY THE USER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE USER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE USER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE USER.



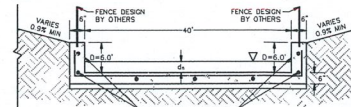
**DRAINAGE LEGEND**

- PROJECT LIMITS
- 100 YR FLOODPLAIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW ARROW

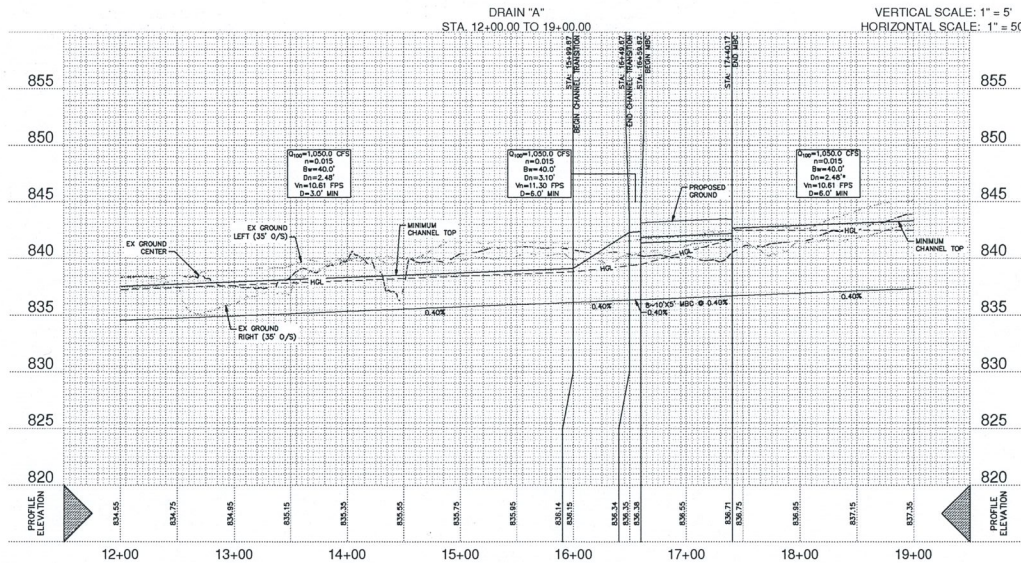
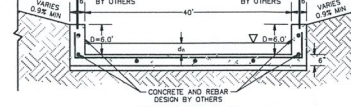
HYDRAULIC CALCULATIONS  
 $Q_{100} = 1,050.0$  CFS  
 $N = 0.015$   
 $S = 0.015$   
 $D = 2.48'$



HYDRAULIC CALCULATIONS  
 $Q_{100} = 1,050.0$  CFS  
 $N = 0.015$   
 $S = 0.015$   
 $D = 2.48'$



HYDRAULIC CALCULATIONS  
 $Q_{100} = 1,050.0$  CFS  
 $N = 0.015$   
 $S = 0.015$   
 $D = 2.48'$



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**TRENCH EXCAVATION SAFETY PROTECTION:**  
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**CAUTION!!**  
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DATE	
HOLD REVISION	

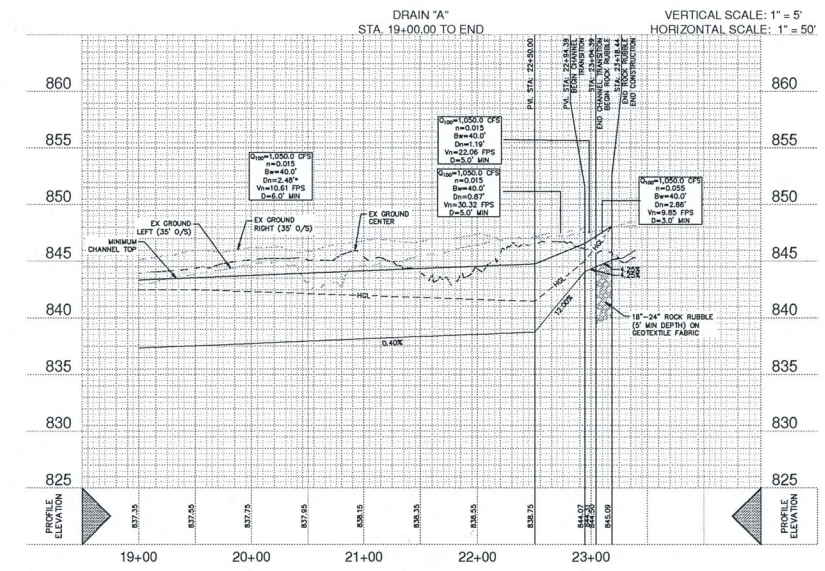
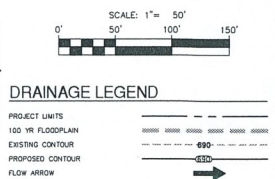
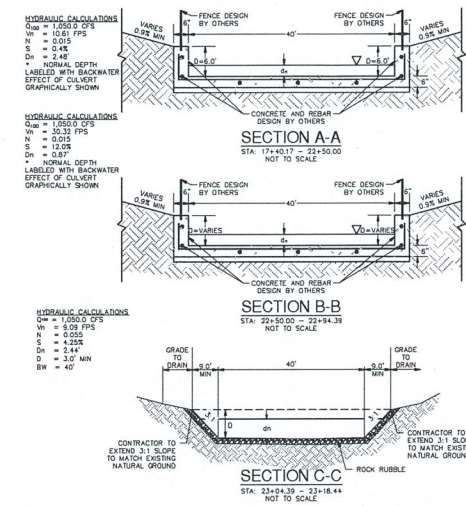
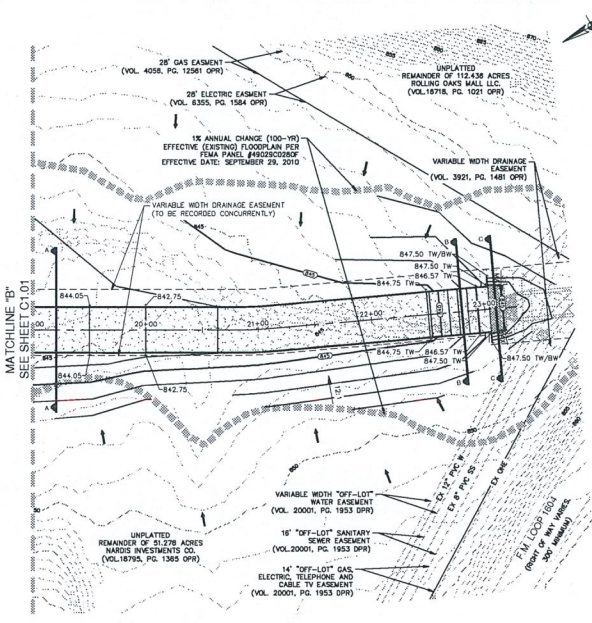
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 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2008 WY. LOOP #105 | SAN ANTONIO, TX 78213 | 210.275.8000  
 (TXPT 18496) (REGISTRATION #4741) (TXPT 18496) (REGISTRATION #4741)

**NARDIS DRAINAGE CHANNEL**  
 SAN ANTONIO, TEXAS  
 DRAIN A PLAN AND PROFILE (2 OF 3)  
 (STA 12+00.00 TO 19+00.00)

PLAT NO.	
JOB NO.	1188-04
DATE	OCTOBER 2022
DESIGNER	MOB
CHECKED	DRAWN MOB
SHEET	C1.02

DATE: 10/31/2022 11:00am  
 USER: SHANE SAWYER  
 PROJECT: NARDIS DRAINAGE CHANNEL



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NO. REVISION	

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2005 HWY LOOP #162 | SAN ANTONIO, TX 78233 | 210.375.8000  
TENTH FLOOR 602/10004/4771 | TEL: 7 FIRM REGISTRATION #10000000

**NARDIS DRAINAGE CHANNEL**  
SAN ANTONIO, TEXAS  
DRAIN A PLAN AND PROFILE (3 OF 3)  
(STA 19+00.00 TO END)

PLAT NO.	
JOB NO.	1188-04
DATE	OCTOBER 2023
DESIGNER	MOB
CHECKED	DRAWN MOB
SHEET	C1.03

Date: Oct 27, 2023, 11:00am User: G. Pavesetti  
C:\Users\G. Pavesetti\OneDrive\Desktop\1188-04.dwg  
This document has been printed from a tablet. The font may be distorted and the text may be difficult to read. Please refer to the original drawing for the most accurate information.



# LEGEND:

--- 666 --- EXISTING CONTOURS

— 665 — PROPOSED CONTOURS

▬ EFFECTIVE 1% ANNUAL CHANCE FLOODPLAIN

▬ BEST AVAILABLE 1% ANNUAL CHANCE FLOODPLAIN

— DEVELOPABLE LAND

TOTAL SITE	51.276 AC
GUN CLUB TRACT	3.303 AC
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