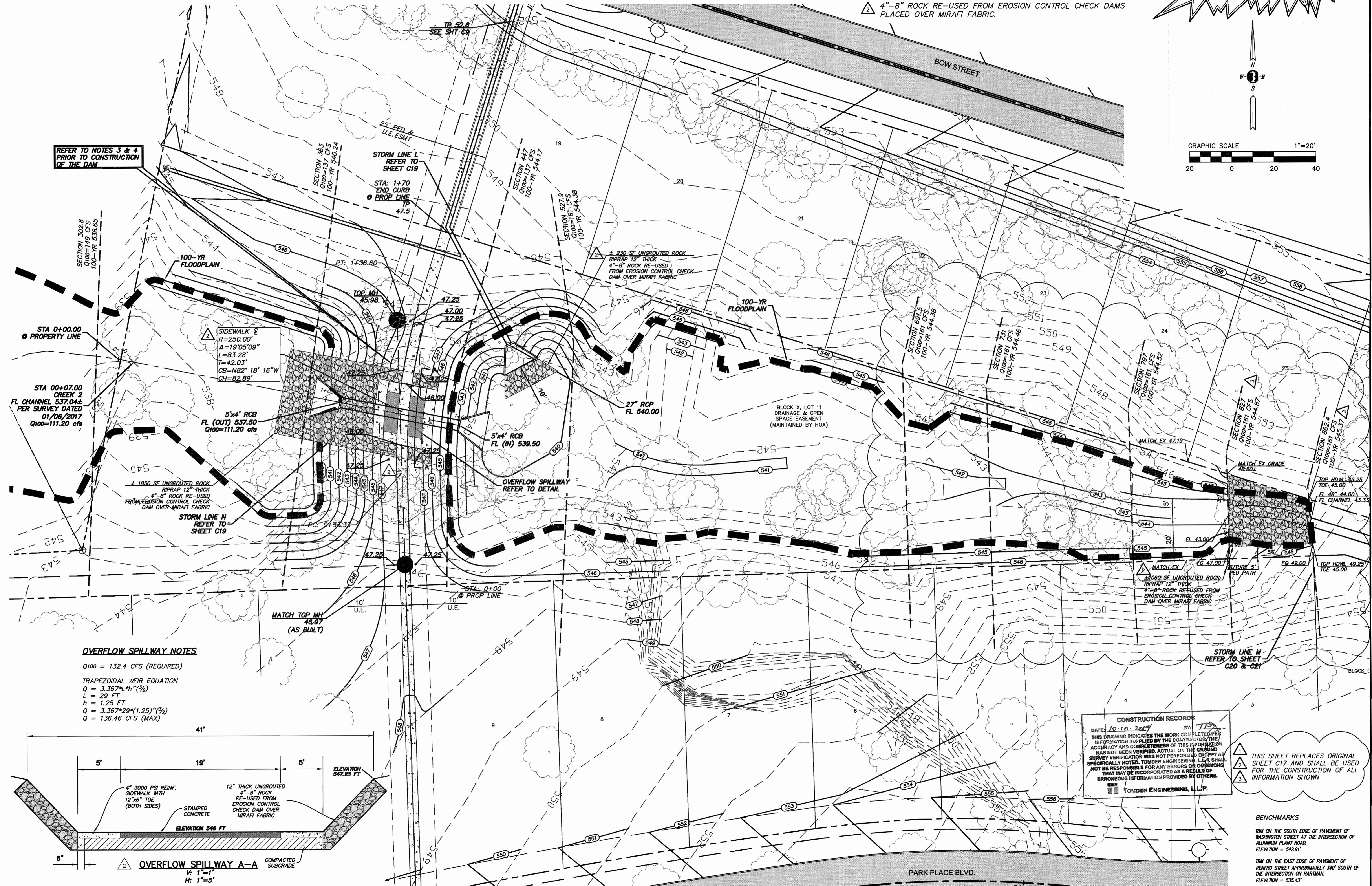
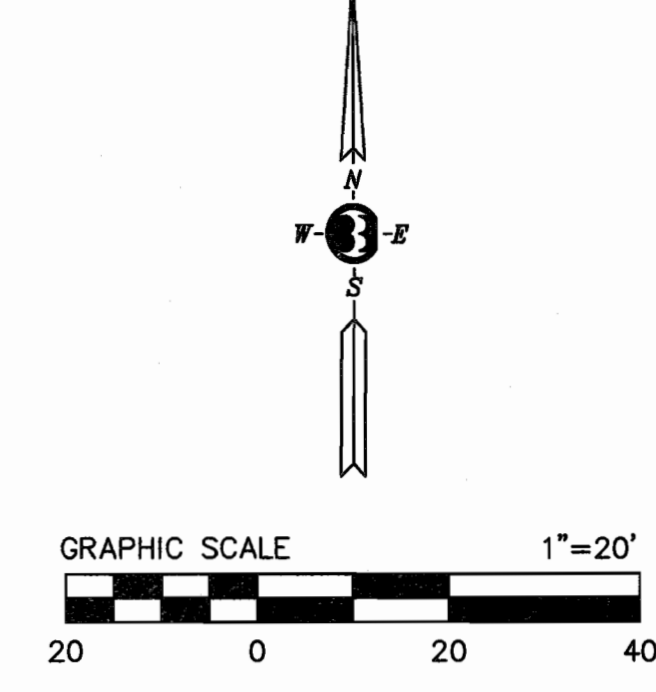
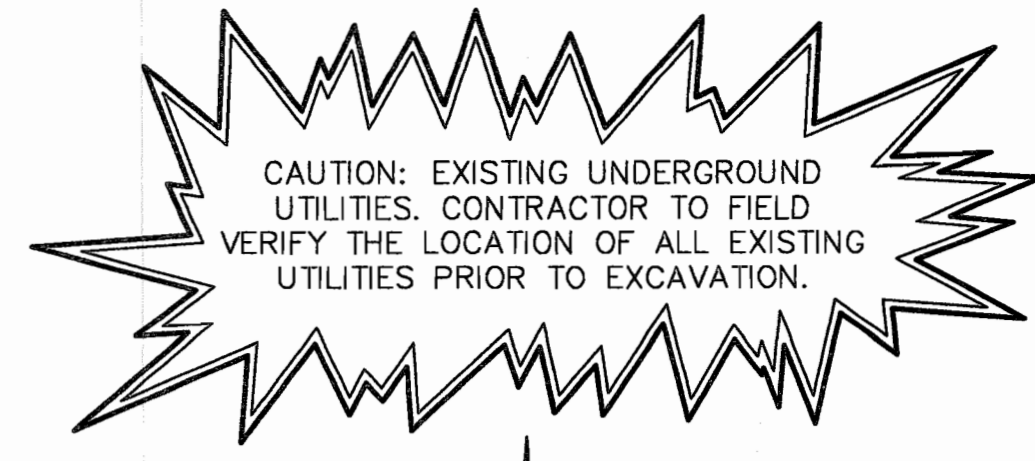


NOTES

- REFER TO FLOODPLAIN INFORMATION STUDY FOR SOUTH PRONG CREEK, TRIB 6, & TRIB 6A FOR PARK PLACE WEST - PHASE III PREPARED BY BOYD HYDROLOGY PLLC DATED APRIL 2018 FOR DETENTION POND C & STORM CULVERT LINE M CALCULATIONS.
- REFER TO DAM BREACH STUDY FOR SOUTH PRONG TRIB 6A DETENTION POND DAM FOR PARK PLACE WEST - PHASE III PREPARED BY BOYD HYDROLOGY PLLC DATED FEBRUARY 2018.
- REFER TO GEOTECHNICAL INVESTIGATION FOR PROPOSED DETENTION POND PARK PLACE WEST PHASE III BY GEE CONSULTANTS, INC. REPORT NO. B-118-0102 DATED MARCH 12, 2018 FOR DAM DESIGN RECOMMENDATIONS.
- THE CONTRACTOR IS TO NOTIFY GEE CONSULTANTS, INC. PRIOR TO CONSTRUCTION OF THE DAM.
- UNROUTED ROCK RIPRAP SHALL BE 12" THICKNESS OF 4"-8" ROCK RE-USED FROM EROSION CONTROL CHECK DAMS PLACED OVER MIRAFI FABRIC.



REFER TO NOTES 3 & 4 PRIOR TO CONSTRUCTION OF THE DAM

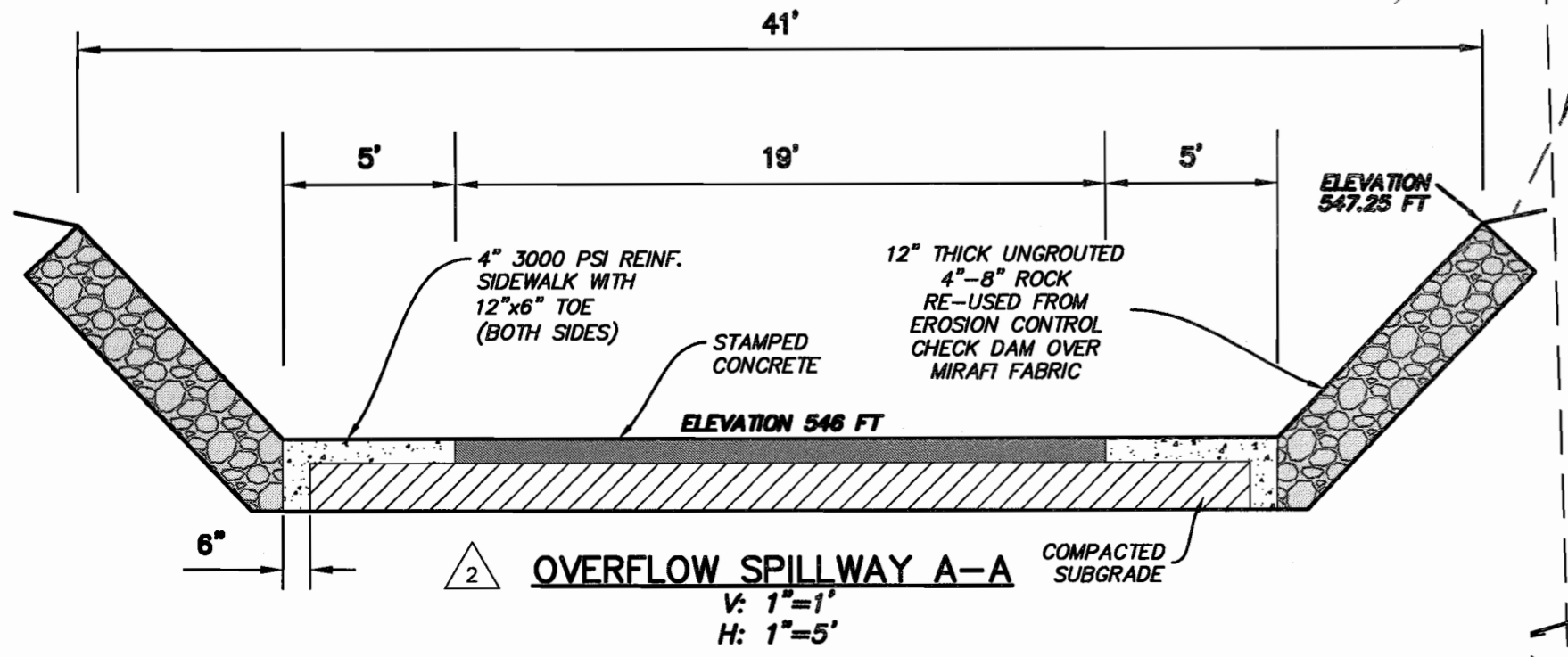
SIDWALK
 $R=250.00'$
 $\Delta=19^{\circ}05'09''$
 $L=83.28'$
 $T=42.03'$
 $CB=N82^{\circ}18'16''W$
 $CH=82.89'$

5'x4' RCB
 FL (OUT) 537.50
 $Q_{100}=111.20$ cfs

5'x4' RCB
 FL (IN) 539.50

OVERFLOW SPILLWAY NOTES

$Q_{100} = 132.4$ CFS (REQUIRED)
 TRAPEZOIDAL WEIR EQUATION
 $Q = 3.367 * L * h^{3/2}$
 $L = 29$ FT
 $h = 1.25$ FT
 $Q = 3.367 * 29 * (1.25)^{3/2}$
 $Q = 136.46$ CFS (MAX)



CONSTRUCTION RECORDS
 DATE: 10-10-2019 BY: TPJ
 THIS DRAWING INDICATES THE WORK COMPLETED PER INFORMATION SUPPLIED BY THE CONTRACTOR. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION HAS NOT BEEN VERIFIED. ACTUAL ON THE GROUND SURVEY VERIFICATION WAS NOT PERFORMED EXCEPT AS SPECIFICALLY NOTED. TOMDEN ENGINEERING, L.L.P. SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.
 TOMDEN ENGINEERING, L.L.P.

THIS SHEET REPLACES ORIGINAL SHEET C17 AND SHALL BE USED FOR THE CONSTRUCTION OF ALL INFORMATION SHOWN

BENCHMARKS
 TM ON THE SOUTH EDGE OF PAVEMENT OF WASHINGTON STREET AT THE INTERSECTION OF ALUMINUM PLANT ROAD. ELEVATION = 542.91'
 TM ON THE EAST EDGE OF PAVEMENT OF RENFRO STREET APPROXIMATELY 340' SOUTH OF THE INTERSECTION ON HARTMAN. ELEVATION = 535.43'

DESIGNED BY: TPJ	FINAL FLOODPLAIN DATA	09.30.2019
DRAWN BY: ADC	DAM SIDEWALK / OVERFLOW PROTECTION	06.06.2019
CHECKED BY: TPJ	HEADWALL AND CHANNEL RELOCATION	12.03.2018
JOB NO: 18072019	SCALE: AS SHOWN	

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PARK PLACE WEST - PHASE III
R. BALLARD SURVEY ABSTRACT NO. 29
ROCKWALL, ROCKWALL COUNTY, TEXAS
DAM & DETENTION POND C PLAN

Sheet No: **C17.1**
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