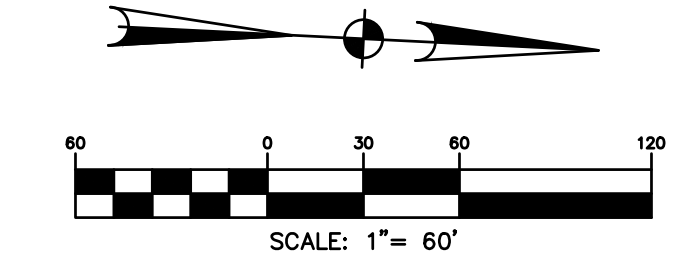


UTILITY ONE CALL

CONTRACTOR TO CALL BEFORE DIGGING!!!! PHONE: 811



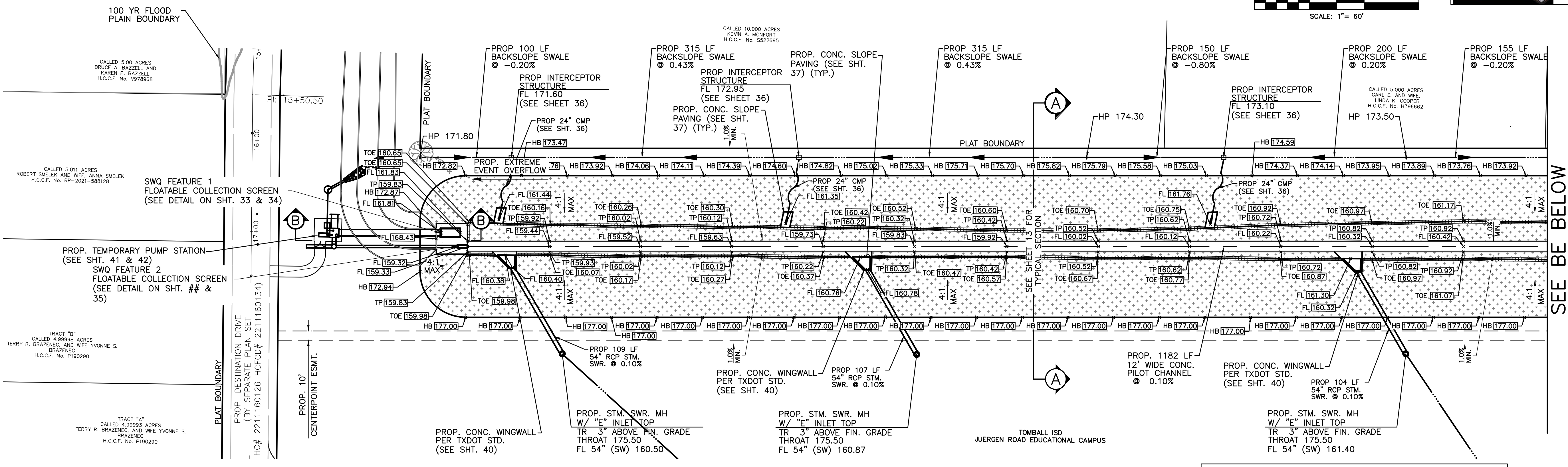
BROOKS & SPARKS, INC. CONSULTING ENGINEERING TEXAS REGISTERED ENGINEERING FIRM F-880 21020 PARK ROW KATY, TX 77449



FLOODPLAIN INFORMATION: ACCORDING TO F.I.R.M. MAP NO. 48201C0215L (COMMUNITY-PANEL NO. 4802870215L), MAP REVISED DATE: JUNE 18, 2007, THE SUBJECT PROPERTY LIES WITHIN THE AREAS DESIGNATED AS ZONE "X" UNSHADED...

REFERENCE BENCHMARK: RM111050 - ALUMINUM ROD WITH LOGO CAP STAMPED "111050" LOCATED ON THE NORTH SIDE OF BAUER-HOCKLEY ROAD ±75' EAST OF ITS INTERSECTION WITH ANGELO DRIVE AND ±120' WEST OF A POWER POLE IN KEY MAP 326B IN THE CYPRESS CREEK WATERSHED...

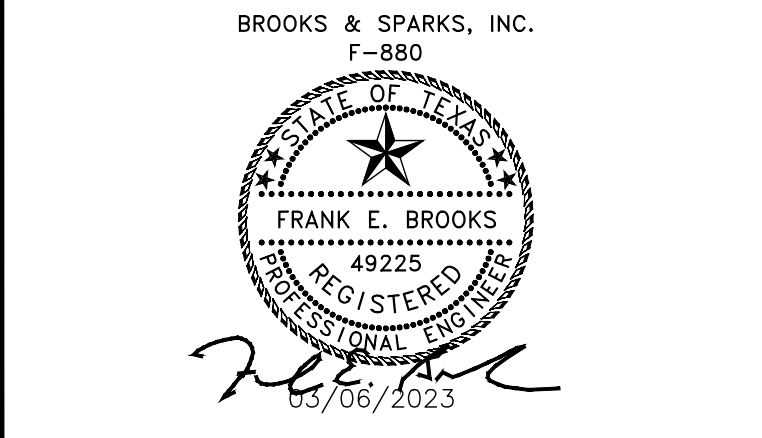
TEMPORARY BENCHMARKS: TBM "A" - BOX CUT ON "BB" INLET LOCATED ON THE EAST SIDE OF MUESCHKE ROAD ±50' SOUTH OF THE MOST NORTHERLY SOUTHWEST CORNER OF THE SUBJECT TRACT. ELEVATION = 169.64'



"SWQMP PERMIT REQUIREMENTS" UPON COMPLETION OF CONSTRUCTION THE PERMANENT STORM WATER QUALITY FEATURE WILL BE CLEANED OF ALL SEDIMENT AND DEBRIS THAT MAY HAVE ACCUMULATED...

NOTE: THE LOCATIONS OF THE PRIVATE UTILITY LINES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK...

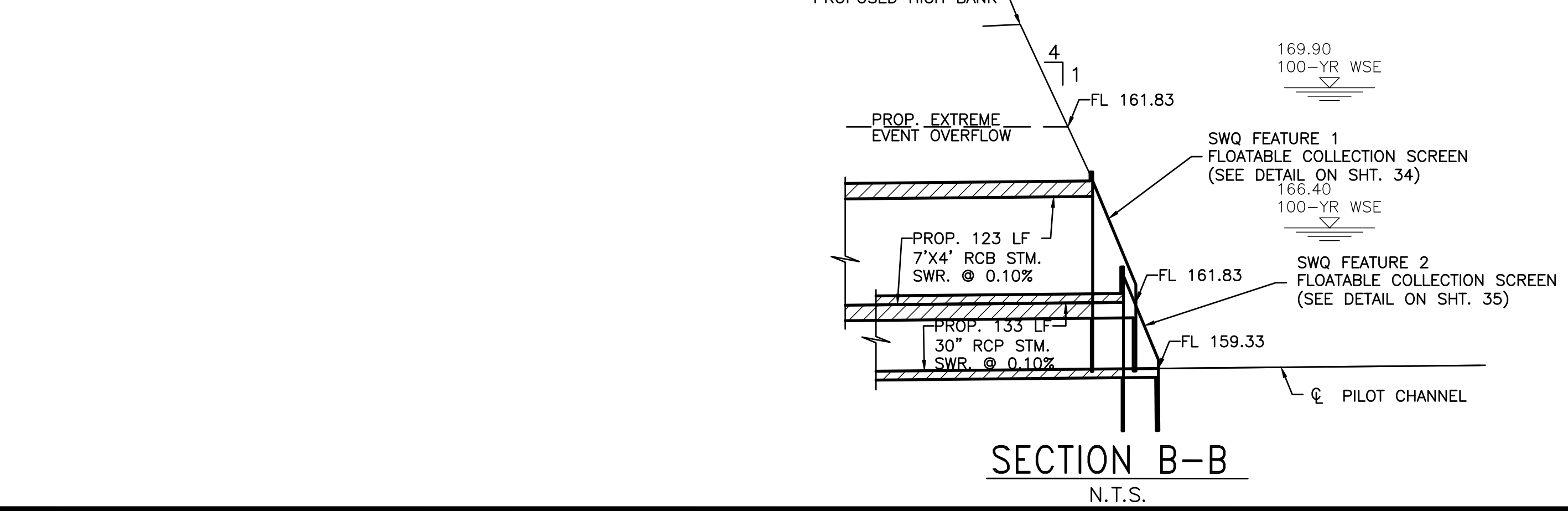
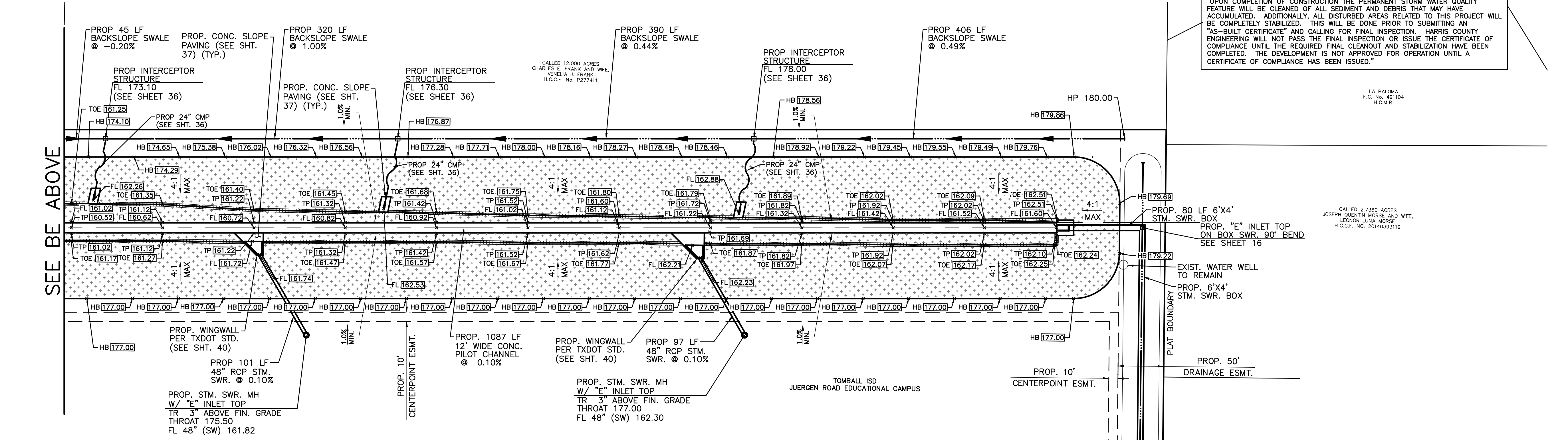
VERIFICATION OF PRIVATE UTILITY LINES table with columns for Date, Signature, and Facility Type.



TOMBALL INDEPENDENT SCHOOL DISTRICT PLANS FOR DETENTION BASINS, STORM SEWER AND SITE EARTHWORK TO SERVE JUERGEN ROAD EDUCATIONAL CAMPUS

CONVEYANCE CHANNEL LAYOUT

Table with columns: NO., DATE, REVISIONS, BY. Includes design and approval information.



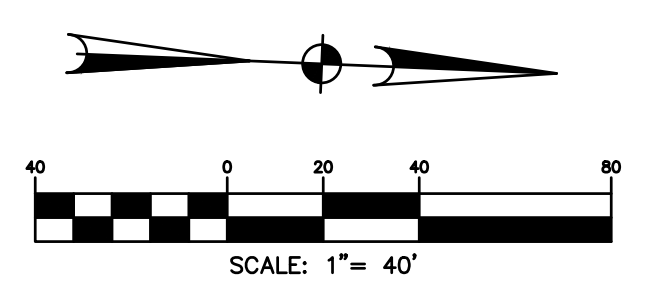
- LEGEND: TP 165.00 PROPOSED TOP OF PAVEMENT, HB 180.00 PROPOSED HIGH BANK, TOE 180.00 PROPOSED TOE, FL 168.50 PROPOSED FLOW LINE, PROP. LIMITS OF SOLID SOD, PROP. LIMITS OF FLEXITERRA CONTRACTOR TO INSTALL PER MANUFACTURERS SPECIFICATIONS.

06 Mar 2023 4:34PM RobertV \\hou-srv05\CADD\project\BROOK.SP\Tomball_ISD\866018-Juergen_Tract\Civil\POUND_PKC\866-0018 - POND - PLAN.dwg

06 Mar 2023 4:34PM RobertV
 \\hou-srv05\CADD\project\BROOK_SP\Tomball_ISD\866018-Juergen_Tract\Civil\POND_PKC\866-0018 - POND - PLAN02.dwg
 Includes Xref(s): 866018-X-POND-BRD.dwg; 866018-X-TOPO.dwg; 866018-X-ROADWAY.dwg; 866018-X-POND-SEAL.dwg; 866018-X-POND-PLAN02.dwg; 866018-X-POND-PROF.dwg

- LEGEND:**
- TP 165.00 PROPOSED TOP OF PAVEMENT
 - HB 180.00 PROPOSED HIGH BANK
 - TOE 180.00 PROPOSED TOE
 - FL 168.50 PROPOSED FLOW LINE
 - [Pattern] PROP. LIMITS OF SOLID SOD
 - [Pattern] PROP. LIMITS OF INFLXTERRA
 - [Pattern] PROP. LIMITS OF FLEX PER MANUFACTURERS SPECIFICATIONS.
 - [Pattern] PROP. LIMITS OF HYDRO-MULCH

"SWQMP PERMIT REQUIREMENTS"
 "UPON COMPLETION OF CONSTRUCTION THE PERMANENT STORM WATER QUALITY FEATURE WILL BE CLEANED OF ALL SEDIMENT AND DEBRIS THAT MAY HAVE ACCUMULATED. ADDITIONALLY, ALL DISTURBED AREAS RELATED TO THIS PROJECT WILL BE COMPLETELY STABILIZED. THIS WILL BE DONE PRIOR TO SUBMITTING AN "AS-BUILT CERTIFICATE" AND CALLING FOR FINAL INSPECTION. HARRIS COUNTY ENGINEERING WILL NOT PASS THE FINAL INSPECTION OR ISSUE THE CERTIFICATE OF COMPLIANCE UNTIL THE REQUIRED FINAL CLEANOUT AND STABILIZATION HAVE BEEN COMPLETED. THE DEVELOPMENT IS NOT APPROVED FOR OPERATION UNTIL A CERTIFICATE OF COMPLIANCE HAS BEEN ISSUED."



UTILITY ONE CALL
 CONTRACTOR TO CALL BEFORE DIGGING !!!
 PHONE: 811

BROOKS & SPARKS, INC.
 CONSULTING ENGINEERING
 TEXAS REGISTERED ENGINEERING FIRM F-880
 21020 PARK ROW KATY, TX 77449
 PHONE: (281) 578-9595
 FAX: (281) 578-9586

FLOODPLAIN INFORMATION:
 ACCORDING TO F.I.R.M. MAP NO. 48201C0215L (COMMUNITY-PANEL NO. 4802870215L), MAP REVISED DATE: JUNE 18, 2007. THE SUBJECT PROPERTY LIES WITHIN THE AREAS DESIGNATED AS ZONE "X" UNSHADED, DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD, ZONE X SHADED. AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD, ZONE AE. BASE FLOOD ELEVATIONS DETERMINED. AND FLOODWAY, THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS.

REFERENCE BENCHMARK:
 RM111050 - ALUMINUM ROD WITH LOGO CAP STAMPED "111050" LOCATED ON THE NORTH SIDE OF BAUER-HOCKLEY ROAD ±75' EAST OF ITS INTERSECTION WITH ANGELI DRIVE AND ±120' WEST OF A POWER POLE IN KEY MAP 326B IN THE CYPRESS CREEK WATERSHED. ELEVATION = 176.30' (NAVD 88, 2001 ADJ.)

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NOTE: THE LOCATIONS OF THE PRIVATE UTILITY LINES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE ALSO ACCEPTS FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES INCURRED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UTILITIES.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222.
NOTICE:
 FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL BE AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL BE.

VERIFICATION OF PRIVATE UTILITY LINES

Date:
CenterPoint Energy/Natural Gas Facilities Verification ONLY. (This Signature verifies that you have shown 20' Natural Gas line correctly. Not to be used for conflict verification) (See service lines are not shown.) Signature Valid for six months.
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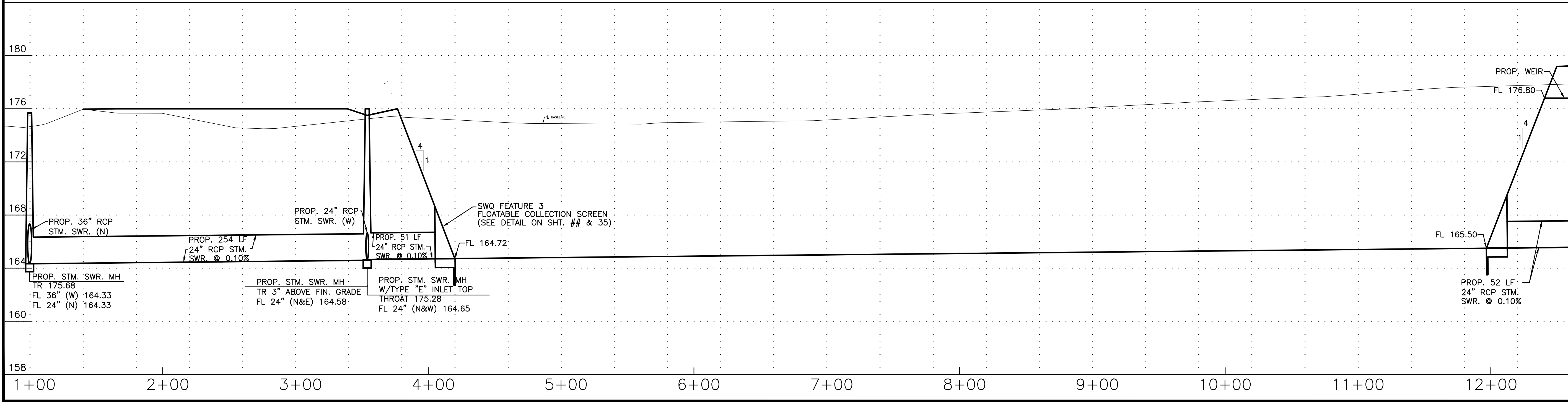
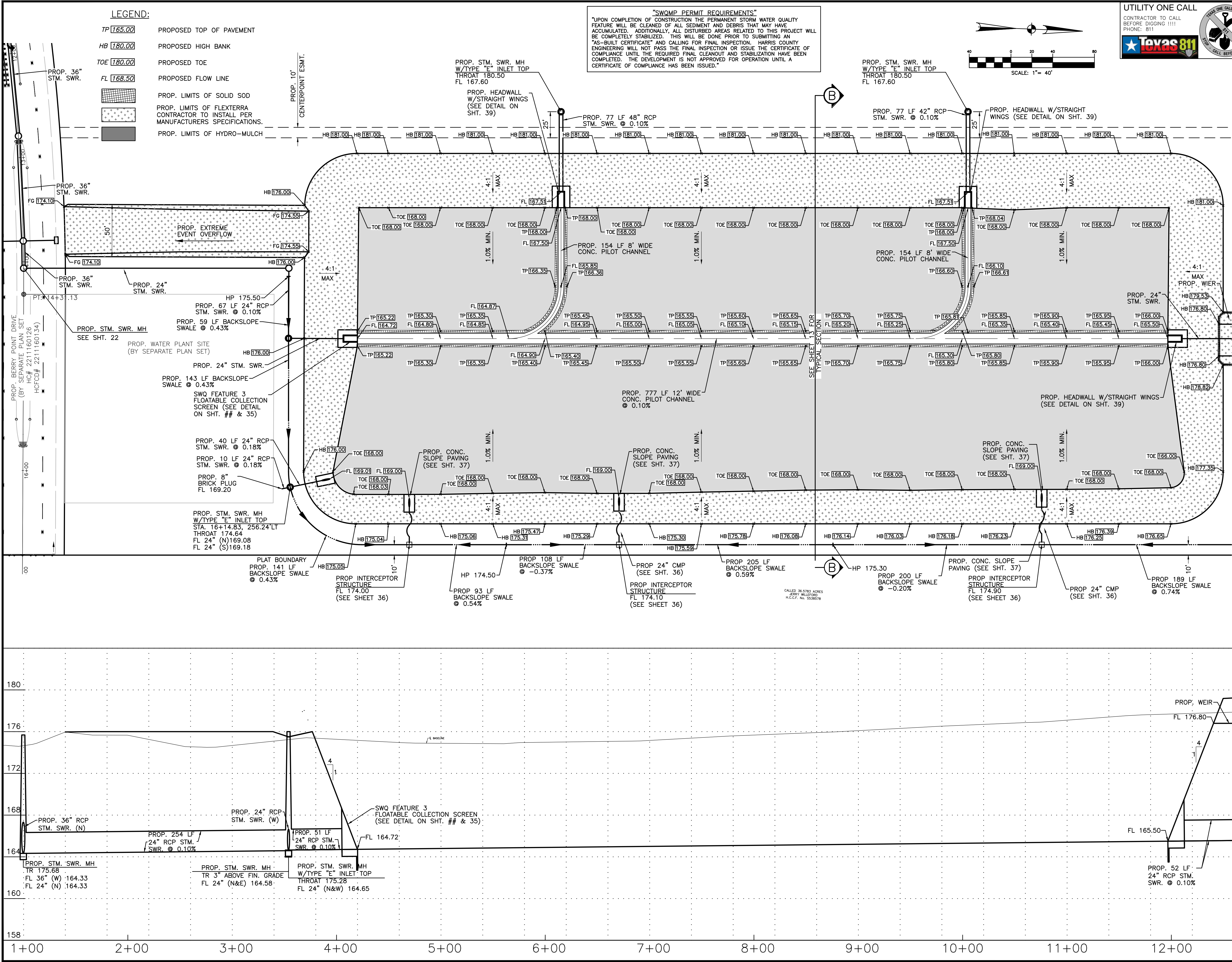
BROOKS & SPARKS, INC.
 F-880

TOMBALL INDEPENDENT SCHOOL DISTRICT PLANS FOR DETENTION BASINS, STORM SEWER AND SITE EARTHWORK TO SERVE JUERGEN ROAD EDUCATIONAL CAMPUS

DETENTION BASIN LAYOUT (SOUTH POND)

NO.	DATE	REVISIONS	BY

DRAWN BY: RV CHECKED BY: CSM, JAE
 DESIGNED BY: CSM APPROVED BY: FEB
 PROJECT NO. 866-0018 DATE: 03/06/2023
 SCALE: 1"=40' SHEET 10 OF 46

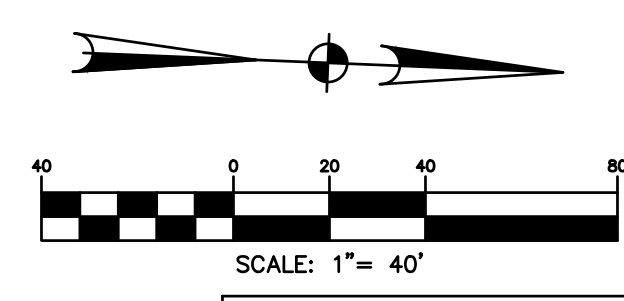


06 Mar 2023 4:35PM RobertV
 \\hou-srv05\CAOD\project\BROOK.SP\Tomball_ISD\866018-Juergen_Tract\Civil\POND_PKC\866-0018 - POND - PLAN.dwg
 Includes Xref(s): 866018-X-POND-BRD.dwg; 866018-X-TOPO.dwg; 866018-X-POND-SEAL.dwg; 866018-X-POND-PROF.dwg; 866018-X-ROADWAY.dwg

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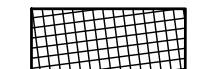


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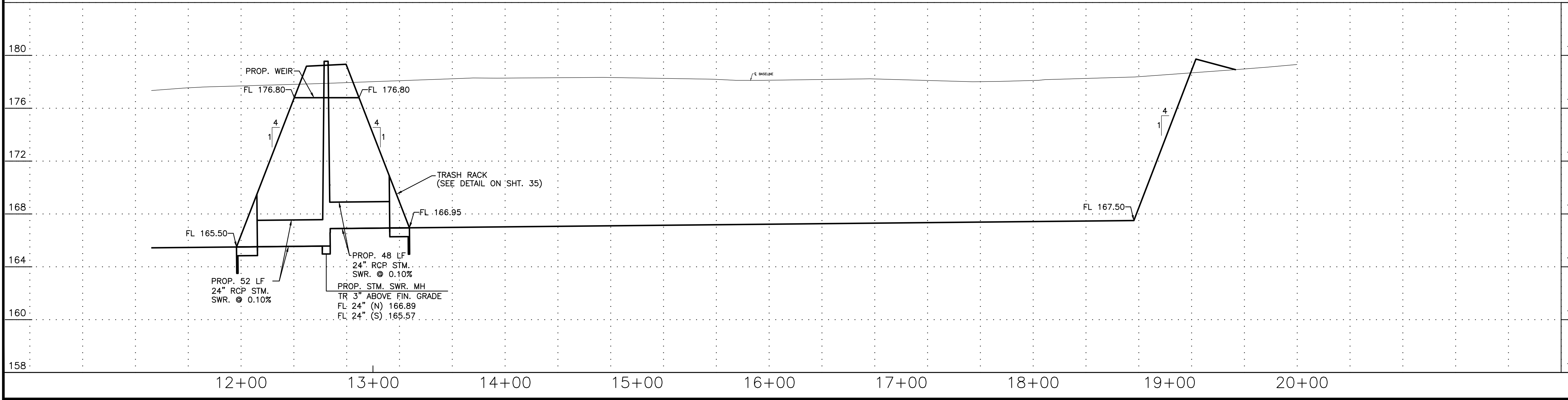
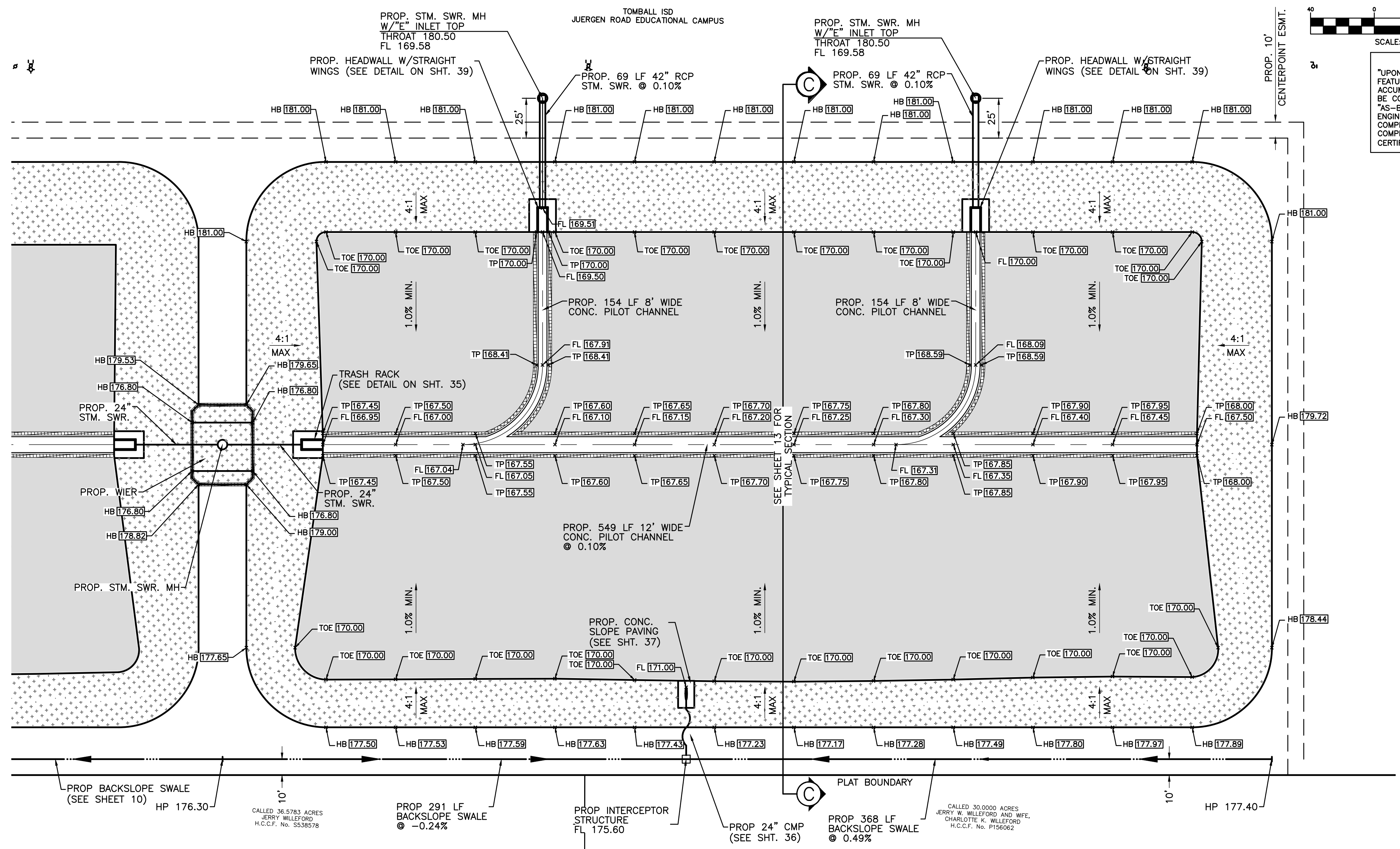
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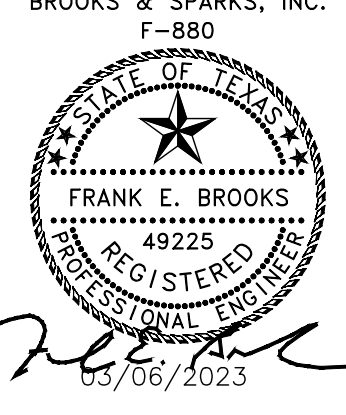
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 - TOE 180.00 PROPOSED TOE
 - FL 168.50 PROPOSED FLOW LINE
 -  PROP. LIMITS OF SOLID SOD
 -  PROP. LIMITS OF FLEXTERRA CONTRACTOR TO INSTALL PER MANUFACTURERS SPECIFICATIONS.
 -  PROP. LIMITS OF HYDRO-MULCH



BROOKS & SPARKS, INC.
 F-880

 FRANK E. BROOKS
 49225
 REGISTERED PROFESSIONAL ENGINEER
 03/06/2023

TOMBALL INDEPENDENT SCHOOL DISTRICT PLANS FOR DETENTION BASINS, STORM SEWER AND SITE EARTHWORK TO SERVE JUERGEN ROAD EDUCATIONAL CAMPUS

DETENTION BASIN LAYOUT (NORTH POND)

NO.	DATE	REVISIONS	BY

DRAWN BY: RV	CHECKED BY: CSM, JAE
DESIGNED BY: CSM	APPROVED BY: FEB
PROJECT NO. 866-0018	DATE: 03/06/2023
SCALE: 1"=40'	SHEET 11 OF 46