

Debris Removal Solutions

SHARED EXPERTISE + UNIQUE TECHNOLOGY = *INNOVATIVE SOLUTIONS*



HOW DID THAT GET IN THERE?

CLEANING INFLUENT AND RETURN
CHANNELS AT CORPUS CHRISTI'S
OSO WATER RECLAMATION PLANT



CAUSES

- 30 + YEARS WITHOUT CLEANING
- 20 YEARS WITHOUT GRIT CATCHER
- 20 YEARS WITHOUT BARSCREEN
- RUNNING AT CAPACITY—NO SHUTDOWN
- NEAR OVERFLOWS



THE **UNDERGROUND** UTILITIES EVENT

Underground Construction Technology | Jan. 29-31, 2019 | Fort Worth, TX

EMERGENCY CLEANING 2017

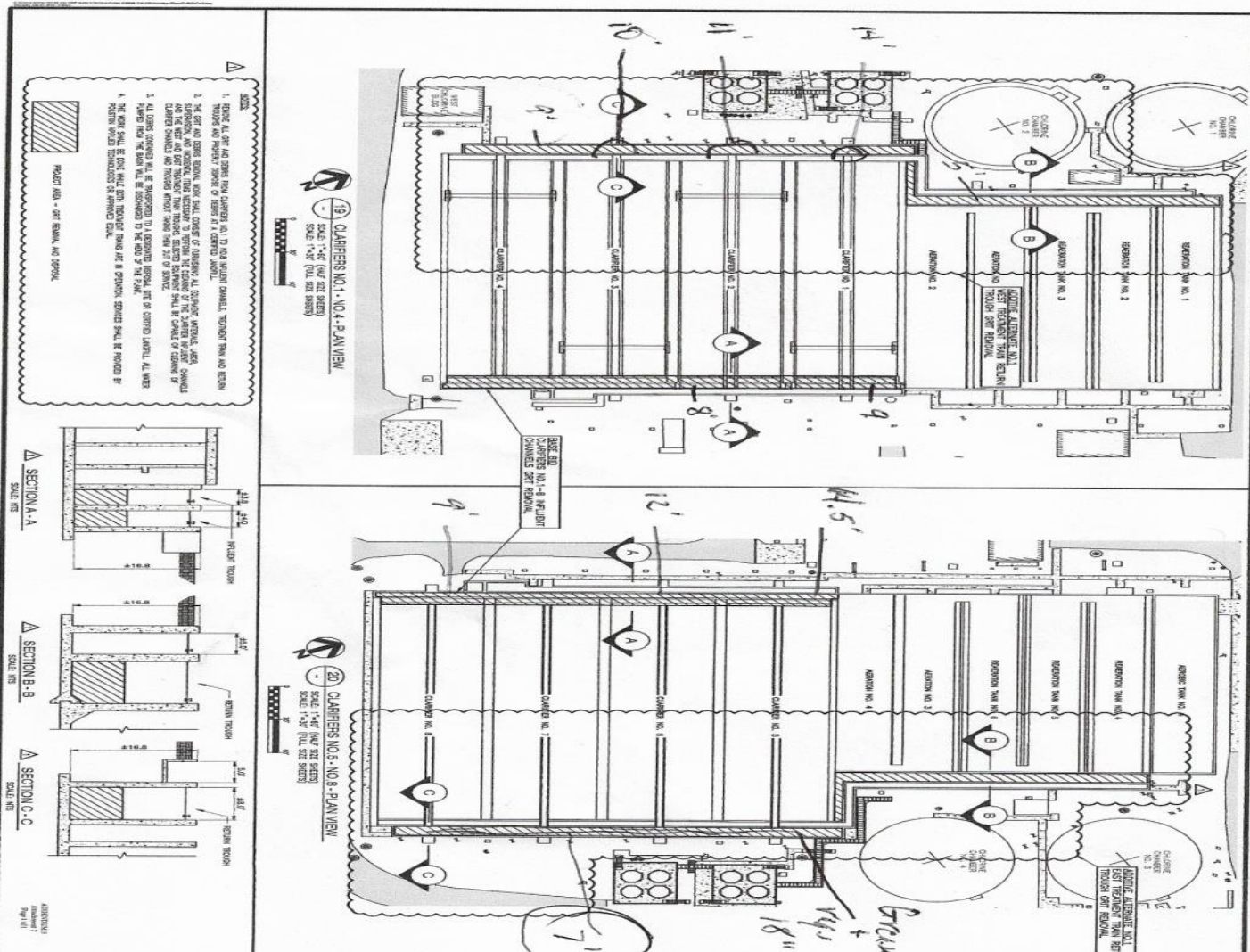
95 Cubic Yards Removed





CONSTRUCTION 2018

- NEW HEADWORKS
 - Grit Catcher
 - Bar Screen
 - Channel Cleaning
 - 1420 Tons





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CHANNEL IS 17' DEEP

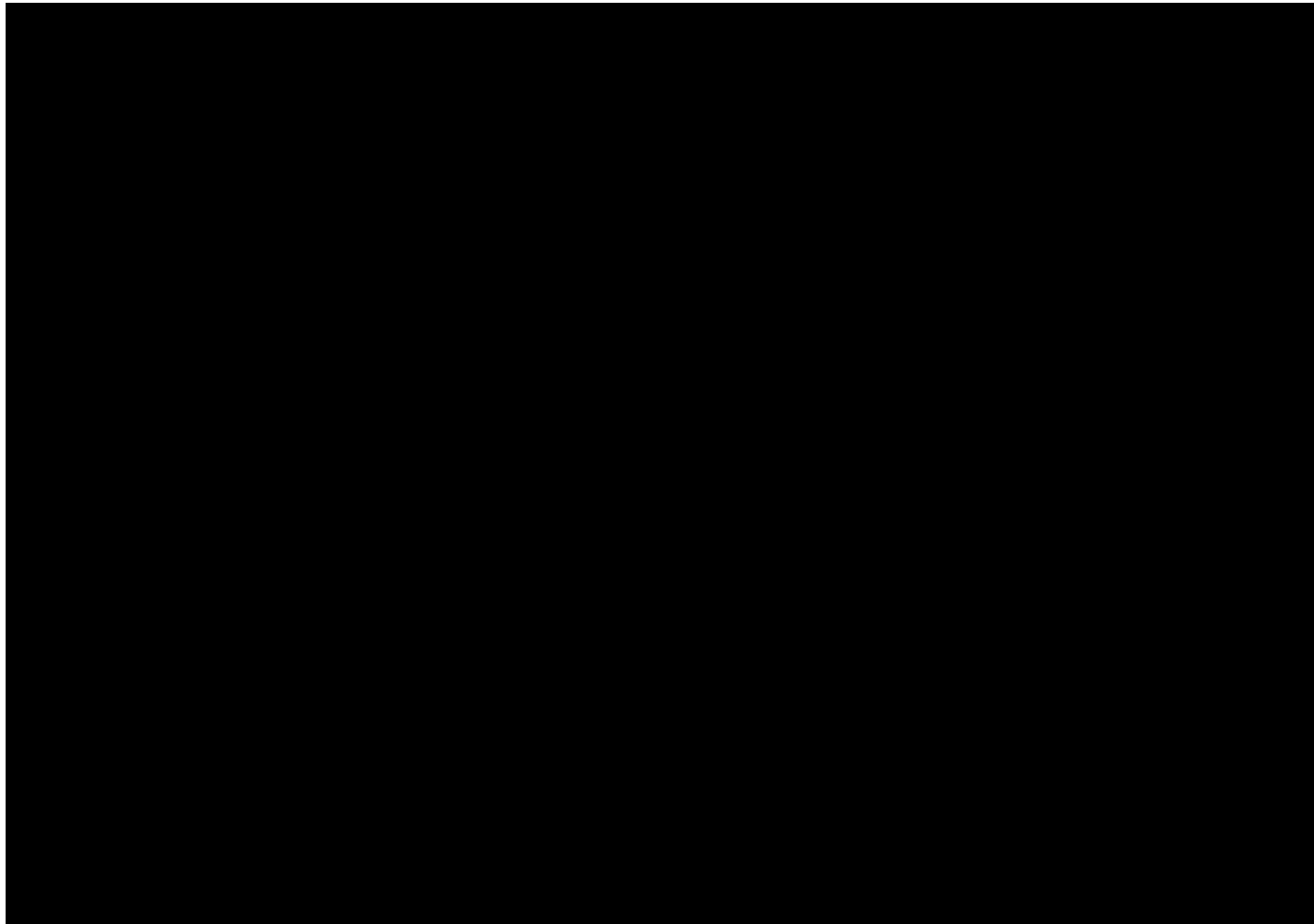




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AIR GUNS BREAK UP RAGS





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BOLSENA SLUDGE PUMP





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POLYMER TEST





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INJECTING POLYMER TO STREAM





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Phase Separator

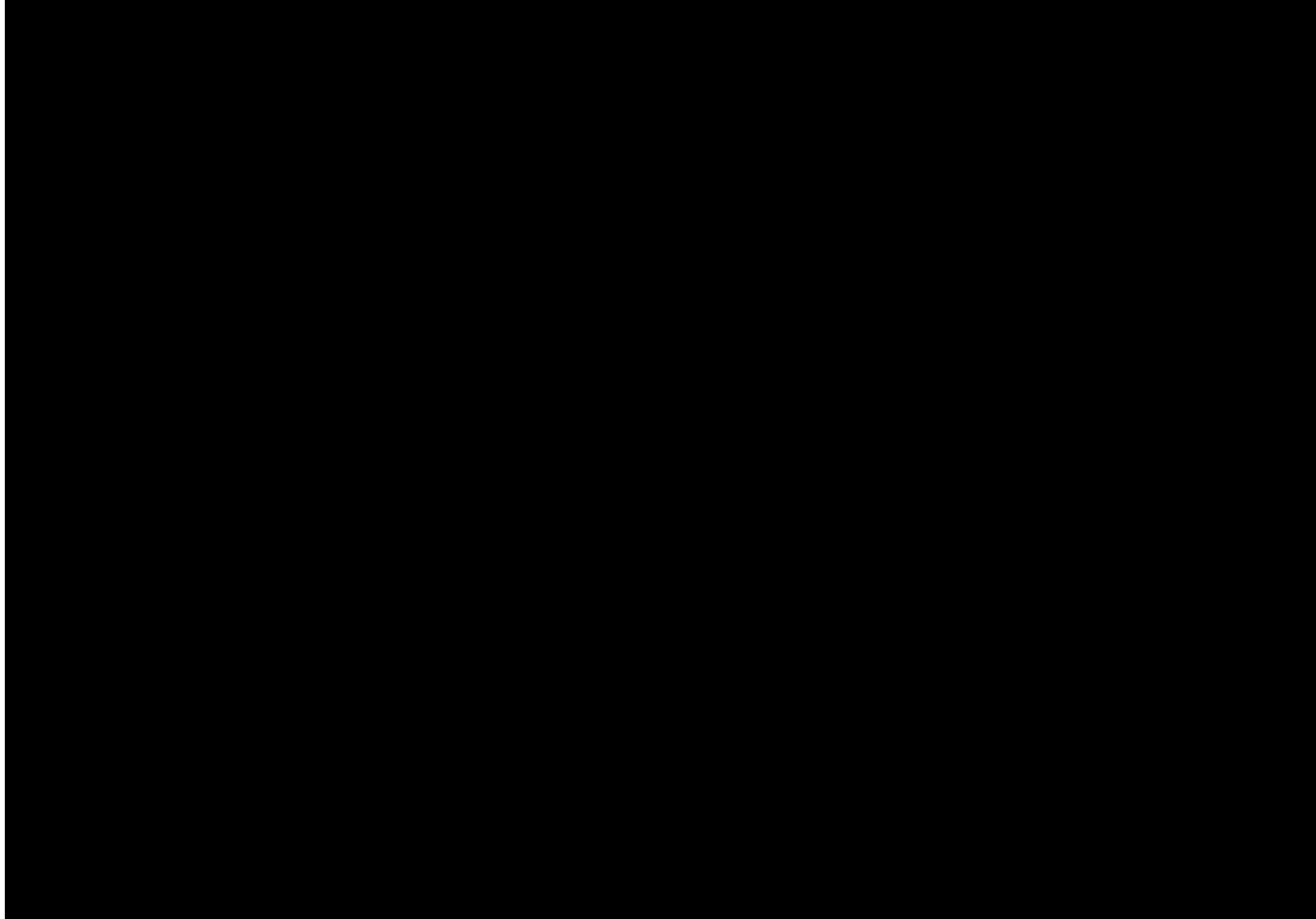




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POLYMERIZED MATERIAL





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FIRST BOX HEADED TO LANDFILL

9.2 TONS





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FLOATING GREASE AND RAGS





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RAGS IN MANIFOLD





RESULTS

- 2468 TONS REMOVED
 - APPROXIMATELY 2,100 CUBIC YARDS CAPACITY RECLAIMED
 - 45 TONS OF GREASE
 - 11 TONS OF RAGS
- PLANT REQUIRES ONE LESS BLOWER
 - SAVINGS OF \$90,000 PER YEAR



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