October 29, 2025

Planning and Zoning Commission
City of Angleton
121 S. Velasco St.
Angleton, Texas 77515

RE: Freedom Park Tree Mitigation Plan

Dear members of the Planning Commission,

Below is a summary of the attached Tree Mitigation Plan for the Freedom Park - Detention and Drainage Project, located south of FM 523 and north of Freedom Park.

The site consisted of approximately 42 acres of thickly vegetated underbrush and trees. A total of 41 heritage trees were identified and removed from the detention pond excavation area and maintenance berm. The 41 heritage trees removed totaled 532 caliper inches.

The original engineering plan called for complete removal of all trees within the 30-foot maintenance berm. (Exhibit - A) However, in cooperation with a third-party arborist, (Jeff Hanawalt with Yellowstone Landscape), the contractors, and City staff, and the City Engineer, we were able to identify and preserve 47 heritage trees totaling 497 caliper inches, 42 significant trees totaling 544 caliper inches (total of 1,041 inches), as well as 10 other large non-qualified trees totaling 104 caliper inches for a total 99 trees saved or 1,145 caliper inches of trees. (Exhibit - B) (equivalent to 382 - 3" caliber trees)

Meetings with City staff and consultants, including the Development Services Director, City Manager, and the City's third-party engineering consultant indicated that the Freedom Park detention project is classified as a public works project, thus a 1:1 tree mitigation ratio for City-owned projects would be sufficient. This ratio results in a mitigation requirement of 532 caliper inches of new or preserved trees. The 1,041 caliper inches of preserved heritage and significant trees exceeds the City staff's 1:1 mitigation ratio.

The table below summarizes:

Classification	Total Tree Count	Total Caliper Inches
Removed (Heritage trees)	**41**	**(532)**
Heritage + Significant Trees Preserved	**89**	**1,041**
Required Mitigation (1:1 ratio)	**-**	***0****

**Represents a surplus of 509 caliper inches of heritage and significant trees preserved within the maintenance berm area.*

We respectfully request the Planning Commission's approval of the proposed mitigation plan noted above.

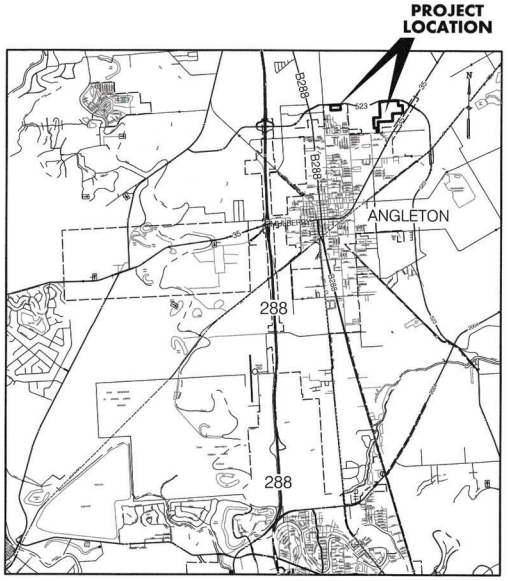
Sincerely,

Joe Grabinski
Director of Development

Exhibit - A

CITY OF ANGLETON, TEXAS

FREEDOM PARK
CLEARING AND GRUBBING FOR
FREEDOM PARK DETENTION POND
SERVING
RANCHO ISABELLA MUNICIPAL UTILITY DISTRICT
BRAZORIA COUNTY



City of Angleton
OVERALL LOCATION MAP
Not to Scale
Brazoria County Key Map 18L

THE HEART OF BRAZORIA COUNTY
ANGLETON

MAYOR
JASON PEREZ

CITY COUNCIL

MIKEY SVOBODA
POSITION 1

TRAVIS TOWNSEND
POSITION 2

JOHN WRIGHT
POSITION 3 / MAYOR PRO-TEM

CECIL BOOTH
POSITION 4

MARK GONGORA
POSITION 5

811
Know what's below.
Call before you dig.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	CLEARING & GRUBBING AND PPP LAYOUT
4.	POLLUTION PREVENTION DETAILS
5.	TRUCK ROUTE LOCATION

CONTRACTOR SHALL NOTE THAT, NO SURVEYORS OTHER THAN COSTELLO, INC. SHALL PERFORM CONSTRUCTION STAKING FOR THIS PROJECT.

NORTH AMERICAN DATUM 1983 (NAD 83), SOUTH CENTRAL ZONE.

Release of this application does not constitute a verification of all data, information and calculations supplied by the applicant. The engineer of record is solely responsible for the completeness, accuracy and adequacy of their submittal, whether or not the application is reviewed for Code compliance by the City Engineer.

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the City of Angleton must rely on the adequacy of the work of the Design Engineer.

JOB NO. 2021-195 FEBRUARY, 2022

STATE OF TEXAS
A. KHOSHAKHLAGH
P.E. 101133
LICENSED
PROFESSIONAL ENGINEER
2/28/2022

Costello
Engineering and Surveying
2107 CityWest Blvd., 3rd Floor
Houston, Texas 77042
(713) 783-7788 (713) 783-3580, Fax
TBPE FIRM REG. No. 280
TBPLS FIRM REG. No. 100486

SUBMITTED BY: _____ DATE: 2/28/2022
A. KHOSHAKHLAGH, P.E.
COSTELLO, INC.

P:\ANGLETON TRACT\2021195 Freedom Park Clearing and Grubbing\DGN\01- COVER.dgn
2/28/2022

CI JOB NO. 2021195 - CLEARING AND GRUBBING FREEDOM PARK

GENERAL CONSTRUCTION NOTES;

1. UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATERLINE AND APPURTENANCES, WASTEWATER, STORM WATER LINES, PAVING, SIDEWALKS AND TRAFFIC CONTROL DEVICES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF ANGLETON STANDARD AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL ADEQUATELY PROTECT EXISTING STRUCTURES, UTILITIES, TREES, SHRUBS, AND PERMANENT OBJECTS WHICH ARE NOT SCHEDULED TO BE REMOVED AS A PART OF THIS PROJECT. PRIOR TO THE REMOVAL OF ANY TREES A CLEAR AND GRUB PERMIT MUST BE OBTAINED.
4. THE CONTRACTOR SHALL NOT DUMP ANY DIRT OR OTHER MATERIALS ONTO A PROPERTY OUTSIDE OF THE BOUNDARY OF THE PERMITTED PROJECT AND WITHIN THE CITY OF ANGLETON CITY LIMITS WITHOUT A VALID DEVELOPMENT/GRADING PERMIT. IF SUCH DUMPING OCCURS WITHOUT A VALID PERMIT, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE REMOVAL OF ANY DISCARDED DIRT OR OTHER MATERIALS TO AN APPROVED LOCATION AT THE CONTRACTOR EXPENSE.
5. ON-SITE MECHANICAL SWEEPER (ROAD BROOM) IS REQUIRED FOR THE PROJECT WITH DAILY CLEAN UP OF THE ROADS ADJACENT TO THE SITE TO CLEAN MUD TRAILS FROM THE VEHICLES ACCESSING THE PROJECT SITE.
6. ALL PAVEMENT TO BE REMOVED, INCLUDING CONCRETE DRIVEWAYS AND SIDEWALKS, THE PAVEMENT SHALL BE SAWCUT TO FULL DEPTH PRIOR TO REMOVAL.
7. ALL WORK WITHIN CITY OF ANGLETON RIGHTS-OF-WAY OR PUBLIC EASEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ANGLETON SPECIFICATIONS, ACCEPTED STANDARDS AND APPROVED DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND UNDERSTANDING ALL RELEVANT INFORMATION PRIOR TO CONSTRUCTION.
8. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DAMAGE TO DITCH OR STRUCTURES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION OR BETTER.
9. CONSTRUCTION SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION. ALL WORKS, SERVICES, AND LABOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE CITY OF ANGLETON.
10. THE CONTRACTOR SHALL NOTIFY THE LOCAL AUTHORITY OR GOVERNING AGENCY OF THE BEGINNING DATE OF CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT NO WORK IS DONE WITHOUT THE PROPER INSPECTIONS AND PERMITS BY THE LOCAL AUTHORITY OR GOVERNING AGENCY.
11. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS SHOWN ON THE CONSTRUCTION PLANS WITH THOSE MEASURED IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS UNLESS NOTIFIED TO OTHERWISE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFEGUARDING AND PROTECTING ALL MATERIALS AND EQUIPMENT STORED ON THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORAGE OF MATERIALS IN A SAFE AND GOOD WORKMANLIKE MANNER TO PREVENT INJURIES, DURING AND AFTER WORKING HOURS, UNTIL PROJECT COMPLETION.
14. AT THE END OF ALL CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL RESTORE THE EXISTING FACILITIES, IE THE PROPERTY, EQUAL TO OR GREATER THAN EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. ALL AREAS DISTURBED ALONG THE SITE SHALL BE HYDROMULCH SEEDED IN ACCORDANCE WITH SPECIFICATION AT CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
15. MINIMIZE AND CONTROL SPREADING OF DUST AND FLYING PARTICLES, AS REQUIRED BY GOVERNING REGULATIONS. USE TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS SUCH AS WATERING TO PREVENT THE SPREAD OF DUST, DIRT, AND DEBRIS.
16. ALL WORKS SHALL BE CONDUCTED WITHIN THE RIGHT-OF-WAY AND/ OR EASEMENTS SHOWN UNLESS OTHERWISE APPROVED BY THE OWNER OR ENGINEER.
17. NO EXCAVATION AREA SHALL BE LEFT OPEN DURING NON-WORKING HOURS. ALL UNATTENDED EXCAVATION OVER 2 FEET IN DEPTH SHALL BE PROTECTED BY BRIGHT ORANGE SAFETY FENCING DURING NORMAL WORKING HOURS AND COVERED SECURELY IF LEFT OPEN AFTER HOURS.
18. THE CONTRACTOR IS NOT AUTHORIZED TO OPERATE WATER/SANITARY INFRASTRUCTURE UTILITIES, OWNED OR OPERATED BY THE CITY OF ANGLETON. CONTRACTOR SHALL CONTACT THE CITY OF ANGLETON PUBLIC WORKS DEPARTMENT TO REQUEST CITY OF ANGLETON PUBLIC WORKS AUTHORIZED PERSONNEL TO PERFORM ALL UTILITY OPERATIONS.
19. THE CONTRACTOR SHALL NOT OBTAIN WATER FROM THE CITY OF ANGLETON FIRE HYDRANTS OR OTHER SOURCES FROM THE DISTRIBUTION SYSTEM WITHOUT PRIOR PERMISSION. CONTRACTOR MAY OBTAIN WATER FROM THE CITY OF ANGLETON PUBLIC WORKS SERVICE CENTER AT THE LOCATION DESIGNATED BY THE OWNER.
20. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES ADJACENT TO THE WORK AREA AT ALL TIMES.
21. THE CONTRACTOR SHALL OBTAIN APPROVAL ON INGRESS/EGRESS ROUTES, HAULING ROUTES, ETC. FROM THE CITY OF ANGELTON, BRAZORIA COUNTY, AND TxDOT IF ACCESSING THRU FM 523.
22. THE WORK AREA SHALL BE BARRICADED AND ILLUMINATED DURING DARKNESS AND PERIOD OF INACTIVITY, WHEN IN AN AREA DIRECT PUBLIC ACCESS, AND AS DIRECTED BY THE CITY.
23. THE LOADING AND UNLOADING OF ALL PIPE, VALVES, FIRE HYDRANTS, MANHOLES AND OTHER ACCESSORIES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PRACTICES AND SHALL AT ALL TIMES BE PERFORMED WITH CARE TO AVOID ANY DAMAGE TO THE MATERIAL. THE CONTRACTOR SHALL LOCATE AND PROVIDE THE NECESSARY STORAGE AREAS FOR THE MATERIALS AND EQUIPMENT.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHIPPING AND STORAGE OF ALL MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE SUCH MATERIAL AT THE POINT OF DELIVERY AND TO REJECT ALL DEFECTIVE MATERIAL. ANY DEFECTIVE MATERIAL INCORPORATED INTO THE WORK SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THERE SHALL BE NO PAYMENT MADE FOR STORED MATERIAL.
25. SEE THE STORM WATER POLLUTION PREVENTION PLAN FOR ADDITIONAL ENVIRONMENTAL NOTES AND DETAILS.
26. IRON RODS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER AT NO SEPARATE PAY.
27. MOWING, MAINTENANCE AND CLEAN-UP OF THE PROJECT SHALL MEET THE REQUIREMENT OF SPECIFICATION ITEMS LISTED IN THE PROJECT MANUAL. MOWING, MAINTENANCE AND CLEAN-UP IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITH THE PROJECT.
28. ON ALL PAVEMENT TO BE REMOVED, INCLUDING CONCRETE DRIVEWAYS AND SIDEWALKS, THE PAVEMENT SHALL BE SAWCUT TO FULL DEPTH PRIOR TO REMOVAL.

CLEARING AND GRUBBING NOTES

1. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY THE CITY OFANGLETON, BRAZORIA COUNTY, TEXAS PRIOR TO STARTING CLEARING AND GRUBBING.
2. ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION ROOTS, CONCRETE, ASHES AND DEBRIS SHALL BE HAULED OFF-SITE AND DISPOSED OF BY THE CONTRACTOR. CONSIDER COST OF THIS WORK, INCLUDING HAUL, IN OTHER BID ITEMS FOR THIS PROJECT.
3. THE DEVELOPER WILL PROVIDE CONTROL STAKING THROUGH THE ENGINEER. CONSTRUCTION STAKING SHALL BE FURNISHED BY THE CONTRACTOR AT HIS EXPENSE AND INCIDENTAL TO THE PROJECT. CONTRACTOR SHALL GIVE ENGINEER FORTY-EIGHT (48) HOURS NOTICE IN ADVANCE OF BEGINNING CLEARING OPERATIONS.
4. ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION, ROOTS, CONCRETE AND DEBRIS SHALL BE HAULED OFF- SITE AND DISPOSED OF BY THE CONTRACTOR. INCLUDE COST OF THIS WORK, INCLUDING HAUL, IN OTHER ITEMS OF THIS PROJECT. ALL TREES ARE NOT INDICATED ON THE CONSTRUCTION PLANS. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VISIT THE SITE AND DETERMINE THE EXTENT OF TREE REMOVAL REQUIRED.
5. CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. (INCIDENTAL TO CONTRACT)
6. CONTRACTOR SHALL CONFINE ALL WORK EFFORTS WITHIN THE DESIGNATED AREA UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER. EXTREME CARE SHOULD BE EXERCISED NEAR ADJACENT PROPERTY TO PROTECT ANY EXISTING TREES, FENCES, LANDSCAPING AND OTHER EXISTING FEATURES.
7. ALL EXISTING LANDSCAPING, SIDEWALKS, FENCES, UTILITIES AND OTHER EXISTING FACILITIES DAMAGED DURING CLEARING AND GRUBBING SHALL BE REPLACED OR REPAIRED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR SHALL CONTROL DUST AND PROVIDE A WATER TRUCK AS NEEDED AND ALSO DIRECTED BY THE ENGINEER.
8. UPON PROJECT COMPLETION AND PRIOR TO FINAL RELEASE OF RETAINAGE, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF "PROJECT'S RECORD DOCUMENTS" OF THE CONTRACT (NO SEPARATE PAY).
9. CLEARED AREAS SHALL BE GRUBBED TO A DEPTH OF AT LEAST ONE FOOT AND ROOT-RAKED TO THE ENGINEER'S SATISFACTION. ALL VEGETATION, ROOTS AND STUMPS SHALL BE REMOVED. UPON COMPLETION OF CLEARING AND GRUBBING, THE AREA SHALL HAVE TURF ESTABLISHED BY BROADCAST SEEDING.
10. CONTRACTOR SHALL NOT BURN ON-SITE UNLESS APPROVED BY THE CITY OF ANGLETON AND USING APPROVED PERMITTED BURNERS. IF BURNING IS APPROVED, ALL BURN PIT LOCATIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO START. BURN PITS ARE TO BE CLEARED OF ALL ORGANICS AND BACKFILLED IN MAXIMUM 8-INCH LOOSE LIFTS AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY. CONTRACTOR SHALL HAUL WASTE MATERIALS OFF-SITE FOR DISPOSAL IN A PROPER LEGAL MANNER.
11. STABILIZED CONSTRUCTION ENTRANCE/EXIT AND OR WASH DOWN AREA IS NEEDED PER SITE CONDITIONS. ALL ACCESS SHALL BE BY WAY OF VEHICLE ENTRY/EXIT. CONTRACTOR SHALL MAINTAIN ENTRY/EXIT AND CLEAN ADJACENT STREETS ON A DAILY BASIS.
12. IF SITE CONDITIONS ARE MUDDY, THE CONTRACTOR SHALL MAINTAIN VEHICLE WASH-DOWN AREAS OF SUFFICIENT SIZE AND IN A LOCATION TO FACILITATE CLEANING ALL CONSTRUCTION VEHICLES PRIOR TO LEAVING THE WORK SITE. CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT, INCLUDING WATER AND DRAINAGE, TO WASH VEHICLES. VEHICLE WASH-DOWN AREAS WILL BE PROVIDED DURING RAINY OR MUDDY CONDITIONS FOR THE DURATION OF THE CONTRACT. ALL WASH-DOWN WATER FROM SUCH AN OPERATION SHALL NOT ENTER THE STORM SEWER SYSTEM WITHOUT SUCH ENTRANCE LOCATION BEING PROTECTED BY AN APPROPRIATE SILT PROTECTION DEVICE.CONTRACTOR SHALL, ON A DAILY BASIS, CLEAN ALL STREETS IN THE VICINITY OF THE WORK SITE ENTRANCE TO ENSURE THAT NO DIRT FROM THE PROJECT ACCUMULATES IN THE EXISTING STREETS. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. A PENALTY WILL BE ASSESSED IN ACCORDANCE WITH THE CONTRACT FOR EACH DAY STREETS ARE LEFT UNCLEANED. ALL WORK ASSOCIATED WITH THIS NOTE NO. 10 SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS WORK ITEMS.
13. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL DEVICES AS NECESSARY TO PROVIDE SAFE ENTRY AND EXIT AT THE PROJECT SITE, INCLUDING THE STOCKPILE SITE, FILL SITE, AND HAUL ROUTE. FOLLOW MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES RULES AND REGULATIONS WHEN AND WHERE APPLICABLE.
14. OVERHEAD POWER LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THESE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH AND SAFTEY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN 6 FEET OF OVERHEAD VOLTAGE LINES. CONTRACTORS AND OWNERS ARE LEGALLY RESPONSIBLE FOR SAFETY OF THE CONSTRUCTION WORKERS UNDER THIS LAW. THIS CARRIES BOTH CRIMINAL AND CIVIL LIABILITIES. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL THE POWER COMPANY. THE CONTRACTOR SHALL USE EXTREME CARE IN EXCAVATING AND/OR WORKING NEAR EXISTING POWER POLES OR DOWN GUYS.
15. PARKING OF VEHICLES AND EQUIPMENT SHALL ONLY BE IN DESIGNATED STAGING AREAS APPROVED IN ADVANCE BY THE ENGINEER.
16. THE CONTRACTOR SHALL NOTIFY THE CITY OF ANGLETON ENGINEERING DEPARTMENT AND THE ENGINEER IMMEDIATELY, IF UNSUITABLE SOILS ARE ENCOUNTERED.
17. THE CONTRACTOR SHALL EXECUTE THE REQUIRED POLLUTION PREVENTION PLAN (PPP) FOR THE ENTIRE DURATION OF PROJECT AND BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING THE FEATURES IDENTIFIED IN THE PPP. AS THE FIRST ITEM OF WORK, THE CONTRACTOR SHALL INSTALL ALL PERIMETER FILTER FABRIC FENCES, AS SHOWN ON THE PPP PLANS. THE CONTRACTOR SHALL ALSO PLACE PROTECTION BARRIERS AROUND ANY EXISTING INLETS.
18. THE CONTRACTOR SHALL NOT OPERATE EXISTING WATER LINE VALVES, UNLESS NECESSITATED BY EMERGENCY. ALL EXISTING WATER LINE VALVES MUST BE OPERATED BY THE CITY OF ANGLETON. THE CONTRACTOR SHALL CONTACT THE CITY TO ARRANGE FOR THE PURCHASE OF ANY WATER NEEDED DURING CONSTRUCTION. UNAUTHORIZED (UNMETERED) TAPS OF PUBLIC WATER LINE SHALL RESULT IN A DAILY FINE PER THE CITY OF ANGLETON RATE ORDER.

TRAFFIC CONTROL

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD),LATEST EDITION WITH REVISIONS, DURING CONSTRUCTION. ANY CONSTRUCTION WHICH HINDERS TRAFFIC OR REQUIRES TRAFFIC DIVERSION, SHALL BE IN ACCORDANCE WITH TMUTCD. INCLUDE FLAGMEN AS REQUIRED TO CONTROL TRAFFIC FOR MATERIAL AND/OR EQUIPMENT DELIVERY OR HAUL TRUCKS.
2. OFF DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
3. CONTRACTOR SHALL COVER EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW.
4. APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
5. IF CONTRACTOR CHOOSES TO USE DIFFERENT METHODS OF TRAFFIC CONTROL DURING THE CONSTRUCTION THAN THOSE OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS TO TRAFFIC SECTION OF THE CITY OF ANGLETON FOR APPROVAL TEN (10) WORKING DAYS PRIOR TO IMPLEMENTATION. THOSE PLANS SHALL BE DRAWN TO SCALE AND SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.
6. THE TRAFFIC CONTROL MEASURES PROVIDED ON THE TRAFFIC CONTROL PLANS REPRESENT MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL MODIFY THE TRAFFIC CONTROL PLANS AS DESCRIBED IN THE NOTES ABOVE AND/OR SHALL PROVIDE ADDITIONAL MEASURES AS REQUIRED BY THE FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH TRAFFIC CONTROL SHALL BE INCIDENTAL TO ITEM 01555-TRAFFIC CONTROL AND REGULATION/ FLAGGERS.
7. THE CONTRACTOR SHALL OBTAIN NECESSARY APPROVALS FROM TXDOT AND/OR THE CITY OF ANGLETON FOR ANY TRAFFIC CONTROL AND OTHER WORK PERFORMED WITHIN THE CITY OR TXDOT RIGHT-OF-WAY.

PERMIT NOTES:

1. Driveway Permit Required for access to County Road (CR) 48. Contactor to contact Brazoria County Engineering department at engineering Department at engineer-permits@brazoria-county.com for permits.
2. Heavy Haul Permit Required for Construction vehicles using County Road (CR) 48 for this project. Contractor to contact Brazoria County Engineering Department at engineer-permits@brazoria-county.com for permits.

MK.	DESCRIPTION	DWN.	DATE	CHK.

DESIGNED BY: J.H.
DESIGN CHECKED BY: AK
DRAWN BY: J.H.
COGO CHECKED BY: AK
SURVEY CHECKED BY: AK
QA/QC BY: ______ DATE: ______
QA/QC REVISIONS BY: J.H.

STATE OF TEXAS
A. KHOSHAKHLAGH
101133
LICENSED
PROFESSIONAL ENGINEER
2/28/2022

Costello
Engineering and Surveying
2107 CityWest Blvd., 3rd Floor
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TBPE FIRM REG. No. 280
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THE HEART OF BRAZORIA COUNTY ANGLETON

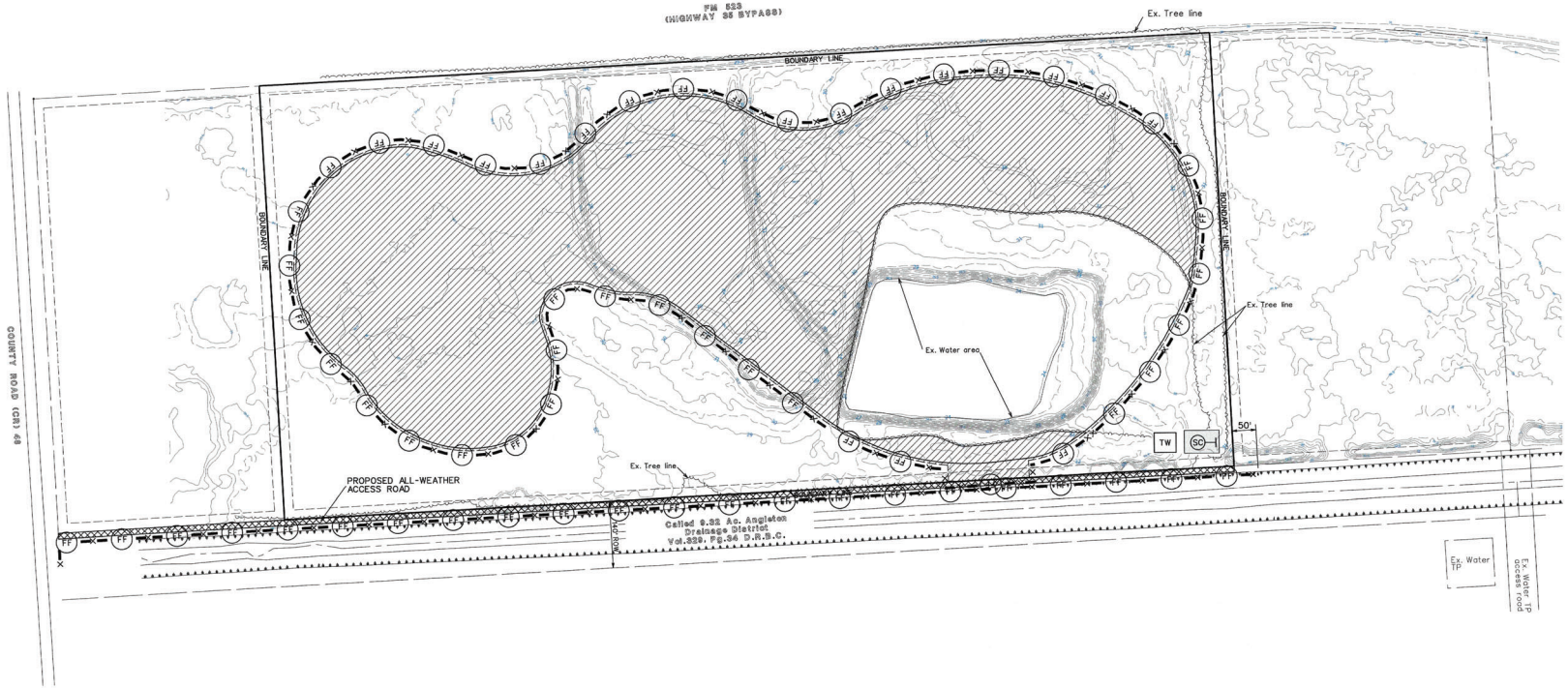
ANGLETON, TEXAS

FREEDOM PARK
CLEARING AND GRUBBING FOR
FREEDOM PARK DETENTION POND

GENERAL NOTES

Job No.:	Scale: HORZ: VERT: NTS	SHEET 2
Date:		
Dwn By:	CAD FILE:	
Chkd By:		OF 5

CI JOB NO. 2021 195 FREEDOM PARK - CLEARING AND GRUBBING



VERTICAL DATUM

ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). GEOID 12B. BASED ON ALLTERRA'S RTK NETWORK. STATIONS HAGS_1012 AND HCOG_14012.

N

120 60 0 120 240

SCALE 1"-120'

LEGEND

- AREA OF CLEARING & GRUBBING (18.10 Ac.)
- TW — TRUCK WASH-DOWN AREA (CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR THE LOCATION)
- SC — STABILIZED CONSTRUCTION ACCESS
- FF — REINFORCED FABRIC BARRIER (5990 LF)
- PROPOSED ALL-WEATHER ACCESS ROAD

MK.	DESCRIPTION	DWN.	DATE	CHK.

DESIGNED BY: J.H.
DESIGN CHECKED BY: AK
DRAWN BY: J.H.
COGO CHECKED BY: AK
SURVEY CHECKED BY: AK
QA/QC BY: DATE:
QA/QC REVISIONS BY: J.H.

STATE OF TEXAS
A. KHOSHAKHLAGH
101133
LICENSED
PROFESSIONAL ENGINEER
2/23/2022

Costello
Engineering and Surveying
2107 CityWest Blvd., 3rd Floor
Houston, Texas 77042
(713) 783-7788 (713) 783-3980, Fax
TBPE FIRM REG. No. 280
TBPLS FIRM REG. No. 100486

1" = 100'
N/A

THE HEART OF BRAZORIA COUNTY
ANGLETON

ANGLETON, TEXAS

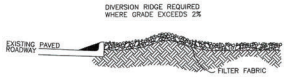
FREEDOM PARK
CLEARING AND GRUBBING FOR
FREEDOM PARK DETENTION POND

CLEARING & GRUBBING AND PPP LAYOUT

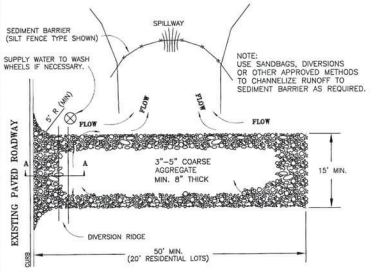
Job No.:	Scale:	SHEET
Date:	HORZ:	3
Dwn By:	VERT:	
Chkd By:	CAD FILE:	OF 5

CI JOB NO. 2021 195 FREEDOM PARK - CLEARING AND GRUBBING

N.T.S.

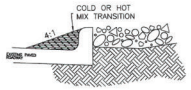


SECTION A – A



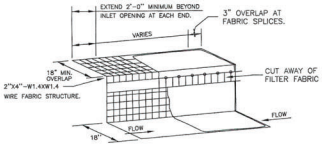
PLAN

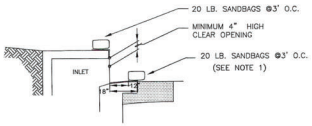
WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE-GRADING AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.

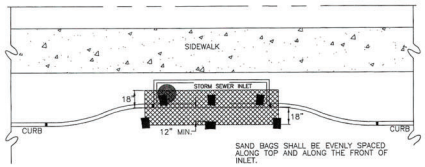


TRANSITION

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT
N.T.S.







SAND BAGS SHALL BE EVENLY SPACED ALONG TOP AND ALONG THE FRONT OF INLET.

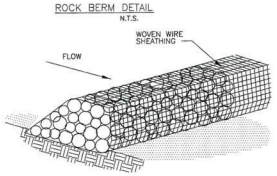
CURB INLET PROTECTION DETAIL
N.T.S.

NOTES:

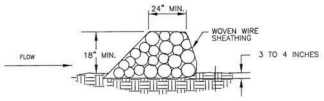
1. A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL TO PROVIDE A 4" MINIMUM CLEAR OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION
2. INSPECTION SHALL BE MADE BY CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTION IF THE STORMWATER BEGINS TO OVERTOP THE CURB.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF THE SEDIMENT IS STABILIZED.

INLET OPENING	MINIMUM NUMBER OF SAND BAGS	
	TOP	FRONT
5'	2	3
10'	3	3
15'	3	4
20'	4	4

ROCK BERM DETAIL
N.T.S.



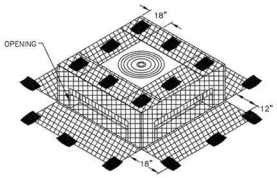
ISOMETRIC PLAN VIEW



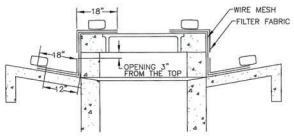
CROSS SECTION
N.T.S.

ROCK BERM GENERAL NOTES

1. USE ONLY OPEN GRADED ROCK 4–8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3–5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
3. THE ROCK BERM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTEDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE–THIRD OF THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
6. ROCK BERM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.

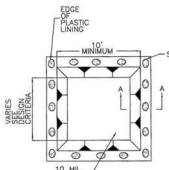


ISOMETRIC VIEW

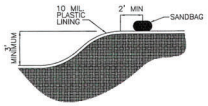


SECTION

FILTER FABRIC WYE INLET PROTECTION
N.T.S.



CONCRETE WASHOUT PLAN VIEW
N.T.S.



CONCRETE WASHOUT SECTION A–A
N.T.S.

CONCRETE WASHOUT NOTES

1. SANDBAGS MAYBE REPLACED BY A SOIL BERM TO ANCHOR THE PLASTIC BAG

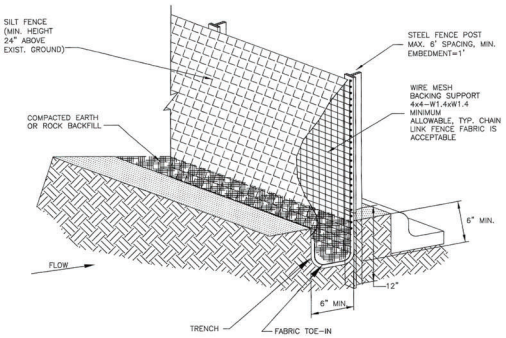
CONCRETE WASHOUT AREA
N.T.S.

SPILL AND LEAK RESPONSE NOTES

1. RECORDS OF RELEASES THAT EXCEED THE REPORTABLE QUANTITY (RQ) FOR OIL AND HAZARDOUS SUBSTANCES SHOULD BE MAINTAINED IN ACCORDANCE WITH THE FEDRAL AND STATE REGULATIONS.
2. EMERGENCY CONTACT INFORMATION AND SPILL RESPONSE PROCEDURES SHALL BE POSTED IN A READILY AVAILABLE REA FOR ACCESS BY ALL EMPLOYEES AND SUBCONTRACTORS.
3. SPILL CONTAINMENT KITS SHOULD BE MAINTAINED FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS THAT ARE REGULARLY ONSITE. MATERIALS IN KITS SHOULD BE BASED ON CONTAINMENT GUIDELINES IN THE MATERIALS SAFETY AND DATA SHEETS (MSDSS) FOR THE SUBSTANCE MOST FREQUENTLY ONSITE.
4. SPILL KITS ARE INTENDED FOR RESPONSE TO SMALL SPILLS, TYPICALLY LESS THAN 5 GALLONS, OF SUBSTANCES THAT ARE NOT EXTREMELY HAZARDOUS.
5. SIGNIFICANT SPILLS OR OTHER RELEASES WARRANT IMMEDIATE RESPONSE BY TRAINED PROFESSIONALS.
6. SUSPECTED JOB–SITE CONTAMINATION SHOULD BE IMMEDIATELY REPORTED TO REGULATORY AUTHORITIES AND PROTECTIVE ACTIONS TAKEN.
7. THE CONTRACTOR SHOULD BE REQUIRED TO DESIGNATE A SITE SUPERINTENDENT, FOREMAN, SAFETY OFFICER, OR OTHER SENIOR PERSON WHO IS ONSITE DAILY TO BE THE SPILL AND LEAK RESPONSE COORDINATOR (SLRC) AND MUST HAVE KNOWLEDGE OF AND BE TRAINED IN CORRECT SPILL AND LEAK RESPONSE PROCEDURES.

DEBRIS AND TRASH NOTES

1. ALL WASTE SOURCES AND STORAGE AREAS SHALL BE LOCATED A MINIMUM OF 50 FEET AWAY FROM INLETS, SWALES, DRAINAGE WAYS, CHANNELS AND OTHER WATERS, IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO. IN NO CASE SHALL MATERIAL AND WASTE SOURCES BE CLOSER THAN 20 FROM INLETS, SWALES, DRAINAGE WAYS, CHANNELS, AND OTHER WATERS.
2. CONSTRUCTION WASTE AND TRASH SHALL BE STORED IN A MANNER THAT MINIMIZES ITS EXPOSURE TO PRECIPITATION AND STORMWATER RUNOFF.
3. WHENEVER POSSIBLE, MINIMIZE PRODUCTION OF DEBRIS AND TRASH.
4. INSTRUCT CONSTRUCTION WORKERS IN PROPER DEBRIS AND TRASH STORAGE AND HANDLING PROCEDURES.
5. SEGREGATE POTENTIAL HAZARDOUS WASTE FROM NON–HAZARDOUS CONSTRUCTION SITE DEBRIS.
6. PROHIBIT LITTERING BY WORKERS AND VISITORS.
7. POLICE SITE DAILY FOR LITTER AND DEBRIS.
8. ENFORCE SOLID WASTE HANDLING AND STORAGE PROCEDURES.
9. IF FEASIBLE, RECYCLE CONSTRUCTION AND DEMOLITION DEBRIS SUCH AS WOOD, METAL, AND CONCRETE.
10. TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AT REGULAR INTERVALS THAT ARE SCHEDULED TO EMPTY CONTAINERS WHEN THEY ARE 90 PERCENT FULL OR MORE FREQUENTLY.
11. GENERAL CONSTRUCTION DEBRIS MAY BE HAULED TO A LICENSED CONSTRUCTION DEBRIS LANDFILL.
12. USE WASTE AND RECYCLING HAULERS/FACILITIES APPROVED BY THE LOCAL MUNICIPALITY.
13. CHIPPING OF TREES AND BRUSH FOR USE SUCH AS MULCH IS PREFERRED ALTERNATIVE TO OFFSITE DISPOSAL.
14. NO WASTE, TRASH, OR DEBRIS SHALL BE BURIED, BURNED OR OTHER WISE DISPOSED OF ONSITE.
15. CLEARLY MARK ON ALL DEBRIS AND TRASH CONTAINERS WHICH MATERIALS ARE ACCEPTABLE. FOREMAN AND/OR CONSTRUCTION SUPERVISOR SHALL MONITOR ONSITE SOLID WASTE STORAGE AND DISPOSAL PROCEDURES DAILY.

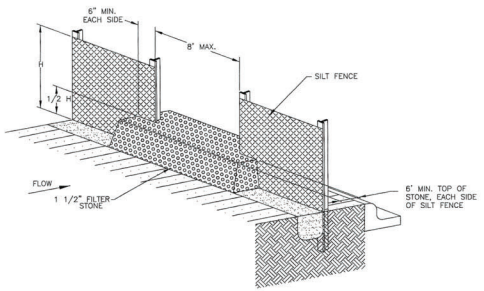


ISOMETRIC PLAN VIEW
N.T.S.

SILT FENCE GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

NOTE: STONE OVERFLOW STRUCTURES OF OTHER OUTLET CONTROL DEVICES SHALL BE INSTALLED AT ALL LOW POINTS ALONG THE FENCE OR EVERY 300 FEET IF THERE IS NO APPARENT LOW POINT



SILT FENCE
STONE OVERFLOW STRUCTURE
N.T.S.

MK.	DESCRIPTION	DWN.	DATE	CHK.

DESIGNED BY: J.H.
DESIGN CHECKED BY: AK
DRAWN BY: J.H.
COGO CHECKED BY: AK
SURVEY CHECKED BY: AK
QA/QC BY: _____ DATE: _____
QA/QC REVISIONS BY: J.H.

STATE OF TEXAS — A. KHOSHAKHLAGH — 101133 — LICENSED PROFESSIONAL ENGINEER — 2/28/2022

Costello
Engineering and Surveying
2107 CityWest Blvd., 3rd Floor
Houston, Texas 77042
(713) 783-7788 (713) 783-3580, Fax
TBPE FIRM REG. No. 280
TBPLS FIRM REG. No. 100486

THE HEART OF BRAZORIA COUNTY ANGLETON

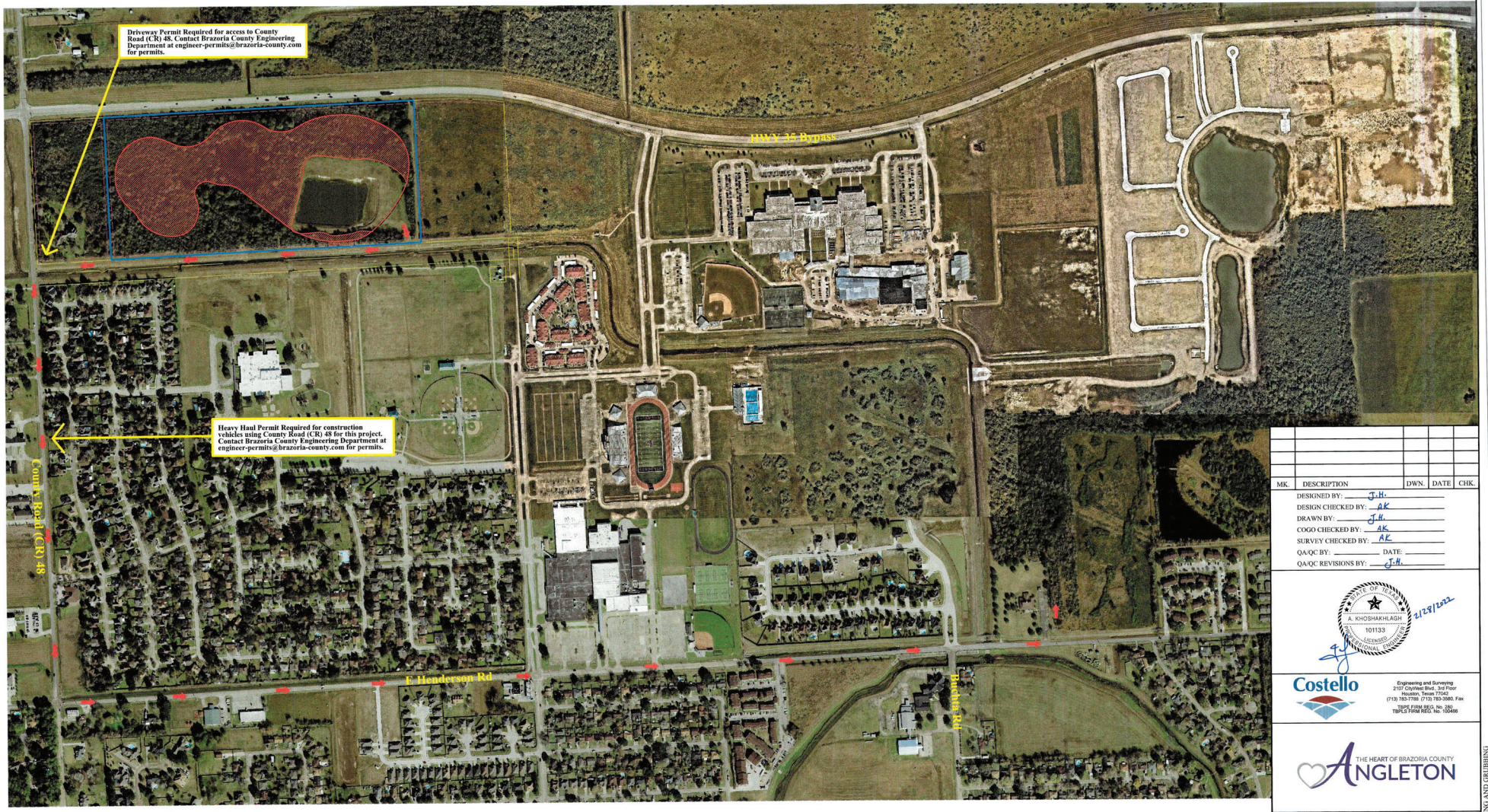
ANGLETON, TEXAS

FREEDOM PARK
CLEARING AND GRUBBING FOR FREEDOM PARK DETENTION POND

POLLUTION PREVENTION DETAILS

Job No.:	Scale:	SHEET
Date:	HORZ: NTS VERT:	4
Dwn By:	CAD FILE:	OF 5
Chkd By:		

CI JOB NO. 2021 195 FREEDOM PARK - CLEARING AND GRUBBING



MK.	DESCRIPTION	DWN.	DATE	CHK.

DESIGNED BY: J.H.
DESIGN CHECKED BY: AK
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STATE OF TEXAS
A. KHOSHAKHLAGH
101133
LICENSED PROFESSIONAL ENGINEER
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THE HEART OF BRAZORIA COUNTY
ANGLETON

ANGLETON, TEXAS

FREEDOM PARK
CLEARING AND GRUBBING FOR
FREEDOM PARK DETENTION POND

TRUCK ROUTE LAYOUT

Job No.:	Scale:	SHEET
Date:	HORZ:	5
Dwn By:	VERT:	OF 5
Chkd By:	CAD FILE:	

CJOB NO. 2021 195 FREEDOM PARK - CLEARING AND GRUBBING

YELLOWSTONE
LANDSCAPE

713.774.6621 tel
713.774.3360 fax

9570 South Sam Houston Parkway West
Houston, TX 77071

www.yellowstonelandscape.com

Exhibit B

Freedom Park

Tree Mitigation Plan - Summary

Exhibit A

Detention Pond - Heritage Trees Removed	Count	Caliper Inches
	31	413

Exhibit B

Maintenance Berm - Heritage Trees Removed	Count	Caliper Inches
	10	119

Exhibit A +B

Total Heritage Trees Removed	Count	Caliper Inches
	41	532

Exhibit B

Maintenance Berm Trees Saved	Count	Caliper Inches
Heritage Tree	47	497
Significant Trees	42	544
Non-Qualified Trees	10	104
Total Number of Trees Saved	**99**	**1145**

Exhibit B-1

Freedom Park - Detention Pond Excavation Area

Heritage Tree List

Species		Calber Inches
Live Oak	Quercus virginiana	6
Live Oak	Quercus virginiana	7
Live Oak	Quercus virginiana	7
Live Oak	Quercus virginiana	8
Live Oak	Quercus virginiana	8
Live Oak	Quercus virginiana	8
Live Oak	Quercus virginiana	9
Live Oak	Quercus virginiana	10
Live Oak	Quercus virginiana	10
Live Oak	Quercus virginiana	10
Live Oak	Quercus virginiana	11
Live Oak	Quercus virginiana	12
Live Oak	Quercus virginiana	13
Live Oak	Quercus virginiana	13
Live Oak	Quercus virginiana	14
Live Oak	Quercus virginiana	14
Live Oak	Quercus virginiana	14
Live Oak	Quercus virginiana	14
Live Oak	Quercus virginiana	14
Live Oak	Quercus virginiana	15
Live Oak	Quercus virginiana	15
Live Oak	Quercus virginiana	16
Live Oak	Quercus virginiana	16
Live Oak	Quercus virginiana	16
Live Oak	Quercus virginiana	17
Live Oak	Quercus virginiana	17
Live Oak	Quercus virginiana	18
Live Oak	Quercus virginiana	18
Live Oak	Quercus virginiana	22
Live Oak	Quercus virginiana	28
Pecan	Carya Illinoinensis	13
		413

Heritage Trees Removed

	Live Oak	Pecan	Total
Number of Trees	30	1	**31**
Total Caliber Inches	400	13	**413**

Exhibit B-2

Freedom Park - Maintenance Berm Area

Tree List

Number	Species		Caliper Inches	Classification	Notes	Location
1	Water Oak	Quercus nigra	14	Significant Tree		6062-6063
2	Live Oak	Quercus virginiana	15	Heritage Tree		6062-6063
3	Water Oak	Quercus nigra	12	Significant Tree		6063-6064
4	Live Oak	Quercus virginiana	12	Heritage Tree	Double Trunk	6063-6064
5	Water Oak	Quercus nigra	14	Significant Tree		6063-6064
6	Live Oak	Quercus virginiana	11	Heritage Tree		6063-6064
7	Live Oak	Quercus virginiana	8	Heritage Tree		6063-6064
8	Water Oak	Quercus nigra	11	Significant Tree		6064-6065
9	Live Oak	Quercus virginiana	9	Heritage Tree		6064-6065
10	Live Oak	Quercus virginiana	12	Heritage Tree		6064-6065
11	Live Oak	Quercus virginiana	8	Heritage Tree		6065-6066
12	Live Oak	Quercus virginiana	22	Heritage Tree	Double Trunk	6065-6066
13	Water Oak	Quercus nigra	10	Significant Tree		6065-6066
14	Water Oak	Quercus nigra	9	Significant Tree		6067
15	Water Oak	Quercus nigra	17	Significant Tree		6067-6068
16	Eastern Red Cedar	Juniperus virginiana	13	Non Qualified Tree		6068-6069
17	Live Oak	Quercus virginiana	20	Heritage Tree	Good structured quality tree	6068-6069
19	Live Oak	Quercus virginiana	14	Heritage Tree		6068-6069
20	Live Oak	Quercus virginiana	15	Heritage Tree		6069-6070
21	Water Oak	Quercus nigra	17	Significant Tree		6069-6070
22	Live Oak	Quercus virginiana	14	Heritage Tree	On high bank	6069-6070
23	Live Oak	Quercus virginiana	13	Heritage Tree		6072-6073
24	Water Oak	Quercus nigra	13	Significant Tree		6084-6085
25	Water Oak	Quercus nigra	10	Significant Tree		6084-6085
26	Live Oak	Quercus virginiana	16	Heritage Tree		6084-6085
27	Live Oak	Quercus virginiana	13	Heritage Tree		6084-6085
28	Eastern Red Cedar	Juniperus virginiana	8	Non Qualified Tree		6084-6085
29	Water Oak	Quercus virginiana	8	Significant Tree		6087-6088
30	Eastern Red Cedar	Juniperus virginiana	10	Non Qualified Tree		6087-6088
31	Eastern Red Cedar	Juniperus virginiana	10	Non Qualified Tree		6087-6088
32	Eastern Red Cedar	Juniperus virginiana	12	Non Qualified Tree		6087-6088
33	Eastern Red Cedar	Juniperus virginiana	12	Non Qualified Tree		6088
34	Live Oak	Quercus virginiana	16	Heritage Tree		6089-6090
35	Live Oak	Quercus virginiana	20	Heritage Tree		6090-6091
36	Water Oak	Quercus nigra	20	Significant Tree	Good structured quality tree	6091-6092
37	Water Oak	Quercus nigra	16	Significant Tree		6092-6093
38	Live Oak	Quercus virginiana	10	Heritage Tree		6092-6093
39	Water Oak	Quercus nigra	13	Significant Tree		6093-6094
40	Water Oak	Quercus nigra	16	Significant Tree		6095-6096
41	Water Oak	Quercus nigra	20	Significant Tree	Good structured quality tree	6097-6098
42	Live Oak	Quercus virginiana	13	Heritage Tree		6097-6098
43	Water Oak	Quercus nigra	23	Significant Tree	Good structured quality tree	6098-6099
44	Live Oak	Quercus virginiana	8	Heritage Tree		6098-6099
45	Eastern Red Cedar	Juniperus virginiana	7	Non Qualified Tree		6101-6000
46	American Elm	Ulmus Americana	8	Significant Tree		6002-6003
47	Water Oak	Quercus nigra	15	Significant Tree		6009-6010
48	Water Oak	Quercus nigra	12	Significant Tree		6010-6011
49	American Elm	Ulmus Americana	14	Significant Tree		6013
50	Live Oak	Quercus virginiana	8	Heritage Tree		6013-6014
51	Live Oak	Quercus virginiana	12	Heritage Tree		6014-6015
52	Live Oak	Quercus virginiana	5	Heritage Tree		6014-6015
53	American Elm	Ulmus Americana	7	Significant Tree		6016-6017
54	American Elm	Ulmus Americana	7	Significant Tree		6022-6023
55	American Elm	Ulmus Americana	10	Significant Tree		6023-6024
56	Eastern Red Cedar	Juniperus virginiana	7	Non Qualified Tree		6023-6024
57	Pecan	Carya Illinoinensis	7	Heritage Tree		6023-6024
58	American Elm	Ulmus Americana	8	Significant Tree		6023-6024
59	Water Oak	Quercus nigra	16	Significant Tree	Good structured quality tree	6024
60	American Elm	Ulmus Americana	11	Significant Tree		6026-6027
61	American Elm	Ulmus Americana	11	Significant Tree		6027-6028
62	Eastern Red Cedar	Juniperus virginiana	12	Non Qualified Tree	Good structured quality tree	6027-6028
63	Water Oak	Quercus nigra	15	Significant Tree		6027-6028
64	Water Oak	Quercus nigra	16	Significant Tree		6027-6028
65	Water Oak	Quercus nigra	18	Significant Tree		6027-6028
66	Water Oak	Quercus nigra	19	Significant Tree		6027-6028
67	Water Oak	Quercus nigra	11	Significant Tree		6031
68	Eastern Red Cedar	Juniperus virginiana	13	Non Qualified Tree		6032-6033
69	Live Oak	Quercus virginiana	8	Heritage Tree		6034-6035
70	American Elm	Ulmus Americana	14	Significant Tree		6035-6036

Number	Species		Caliper Inches	Classification	Notes	Location
71	Live Oak	Quercus virginiana	13	Heritage Tree		6035-6036
72	Live Oak	Quercus virginiana	7	Heritage Tree		6039
73	Live Oak	Quercus virginiana	13	Heritage Tree		6039-6040
74	Water Oak	Quercus nigra	12	Significant Tree	Double Trunk, existing tree marker 532	6039-6040
75	Live Oak	Quercus virginiana	8	Heritage Tree		6039-6040
76	Water Oak	Quercus nigra	10	Significant Tree		6040-6041
77	Live Oak	Quercus virginiana	7	Heritage Tree		6040-6041
78	Live Oak	Quercus virginiana	10	Heritage Tree	Double Trunk	6040-6041
79	Live Oak	Quercus virginiana	7	Heritage Tree	Oak mott	6041-6042
80	Live Oak	Quercus virginiana	8	Heritage Tree		6041-6042
81	American Elm	Ulmus Americana	15	Significant Tree		6041-6042
82	Live Oak	Quercus virginiana	6	Heritage Tree		6041-6042
83	Live Oak	Quercus virginiana	12	Heritage Tree	Oak mott	6041-6042
84	Live Oak	Quercus virginiana	8	Heritage Tree		6041-6042
85	Live Oak	Quercus virginiana	3	Heritage Tree		6041-6042
86	Live Oak	Quercus virginiana	4	Heritage Tree	Heavily Leaning	6041-6042
87	Live Oak	Quercus virginiana	7	Heritage Tree		6042-6043
88	Live Oak	Quercus virginiana	4	Heritage Tree		6042-6043
89	American Elm	Ulmus Americana	6	Significant Tree		6042-6043
90	Live Oak	Quercus virginiana	3	Heritage Tree		6042-6043
91	American Elm	Ulmus Americana	19	Significant Tree	Existing tree marker 531	6043
92	Water Oak	Quercus nigra	15	Significant Tree		6043
93	Live Oak	Quercus virginiana	25	Heritage Tree	Oak mott	6043-6044
94	Water Oak	Quercus nigra	7	Significant Tree		6045-6046
95	Live Oak	Quercus virginiana	8	Heritage Tree	Multiple Trunk	6045-6046
96	American Elm	Ulmus Americana	15	Significant Tree	Multiple Trunk	6045-6046
97	American Elm	Ulmus Americana	5	Significant Tree		6046-6053
98	American Elm	Ulmus Americana	8	Significant Tree		6046-6053
99	Live Oak	Quercus virginiana	4	Heritage Tree		6046-6053
100	Live Oak	Quercus virginiana	10	Heritage Tree		6046-6053
101	Live Oak	Quercus virginiana	9	Heritage Tree		6046-6053
102	American Elm	Ulmus Americana	4	Significant Tree		6046-6053
103	Live Oak	Quercus virginiana	9	Heritage Tree		6046-6053
104	American Elm	Ulmus Americana	8	Significant Tree		6046-6053
105	Live Oak	Quercus virginiana	19	Heritage Tree	Multiple Trunk	6053-6054
106	Live Oak	Quercus virginiana	4	Heritage Tree		6053-6054
107	Live Oak	Quercus virginiana	5	Heritage Tree		6054-6055
108	American Elm	Ulmus Americana	8	Significant Tree		6054-6055
109	Live Oak	Quercus virginiana	5	Heritage Tree		6054-6055
110	Live Oak	Quercus virginiana	10	Heritage Tree		6054-6055
111	Water Oak	Quercus nigra	4	Significant Tree		6055-6056
112 (N)	Water Oak	Quercus nigra	9	Significant Tree	Added, originally outside of survey limits, weir structure	
113 (N)	Live Oak	Quercus virginiana	14	Heritage Tree	Added, originally outside of survey limits, weir structure	
114 (N)	Live Oak	Quercus virginiana	10	Heritage Tree	Added, originally outside of survey limits, weir structure	
115 (N)	Live Oak	Quercus virginiana	4	Heritage Tree	Added, originally outside of survey limits, weir structure	
116 (N), (8/29/24)	Live Oak	Quercus virginiana	12	Heritage Tree		Removed by Shry
117 (N), (8/29/24)	Live Oak	Quercus virginiana	39	Heritage Tree	MULTI TRUNK	Removed by Shry
			1320			

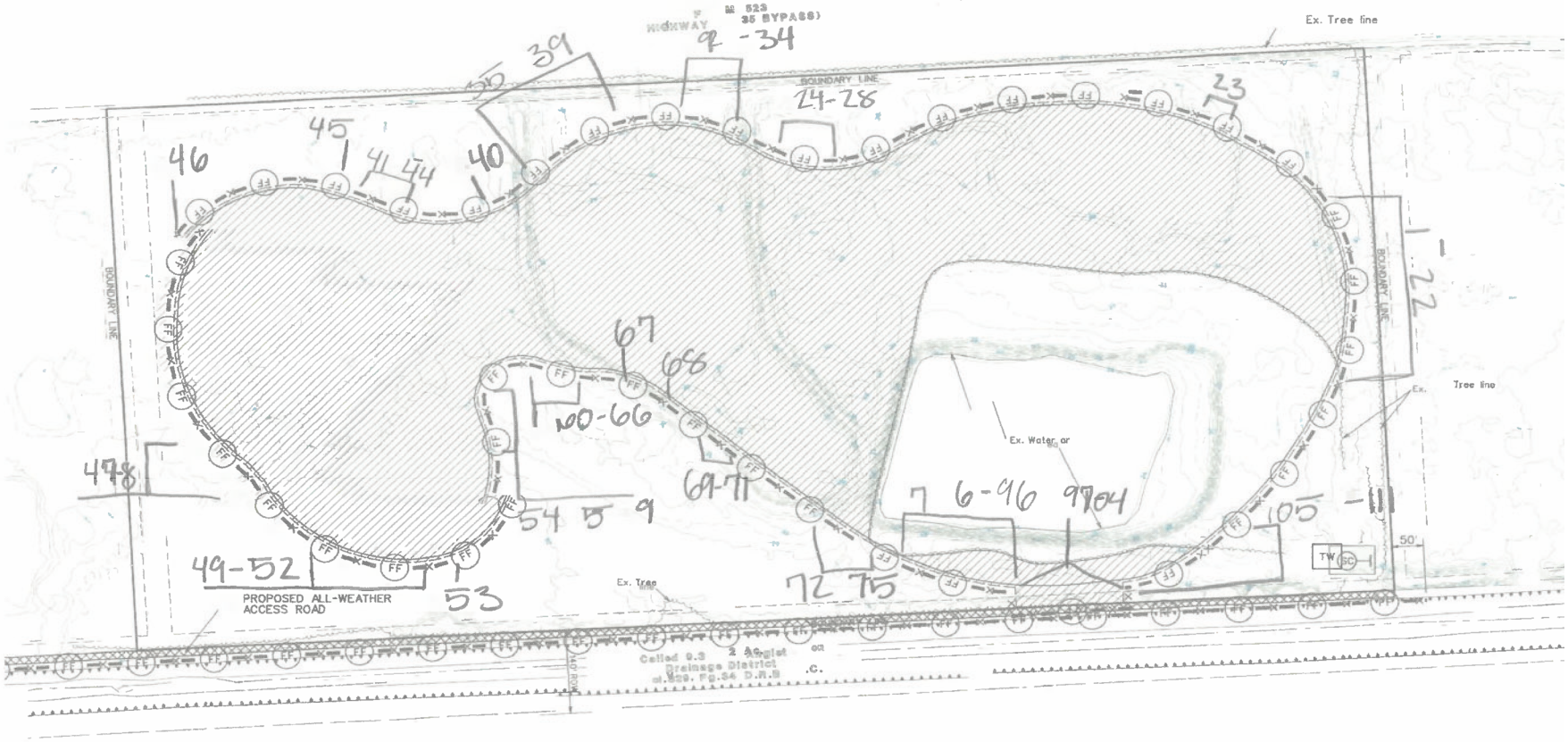
Trees Removed After Hurricane

(N) = Trees added to original survey

Maintenance Berm Tree Count

	Heritage	Significant	Non-Qualified	Total
Total Number of Trees	57	49	10	116
Total Caliber Inches	616	600	104	1320
Number of Trees Removed	10	7	0	17
Caliper Inches Removed	119	56	0	175
Total Number of Trees Saved	**47**	**42**	**10**	**99**
Total Qualified Caliper Inches Saved	**497**	**544**	**0**	**1041**
Non-Qualified Trees (CI) Saved			**104**	**104**
Grand Total Caliper Inches Saved	***497***	***544***	***104***	***1145***

Exhibit B-3


HIGHWAY 523 (35 BYPASS)
Ex. Tree line
BOUNDARY LINE
24-28
39
34
46
45
44
40
23
22
67
66
00-66
69-71
76-96
97-04
105
54
53
49-52
PROPOSED ALL-WEATHER ACCESS ROAD
Ex. Water
Ex. Tree line
Ex. Tree
TW
50'
Called 9.3 Acres
Drainage District
vol.229, Pg.84 D.R.B
.C.