



PERMIT TO USE THE TEXAS CITY HURRICANE LEVEE FOR WORKSPACE FOR THE
MAINTAINANCE OF AN EXISTING 18" KINDER MORGAN EXPOSED PIPELINE.
(29.431668, -94.891933).

To Applicant: Kinder Morgan Tejas Pipeline, LLC
1001 Louisiana Street, Suite 1000
Houston, Texas 77002
Darius_Morgan@kindermorgan.com

PERMIT NUMBER: TCSW-25-383

Dear Applicant:

You are hereby granted authority to access the Texas City Hurricane Levee and the use of the workspace to maintain the existing 18-inch Kinder Morgan pipeline currently exposed in Galveston Bay as shown in Exhibit A.

Your authority is granted under the following terms, limitations and conditions.

1. Your use of the Permitted Premises is limited to the construction activity, limits and conditions as approved in the regulatory permit issued by the United States Army Corps of Engineers (USACE) Exhibit B. A USACE Section 408 permit was not required for the scope of this work. Areas affected by your activities shall be restored to existing or better conditions. Any other use of the Permitted Premises will automatically revoke this Permit.
2. The County does not guarantee or warrant in any capacity that it owns the Permitted Premises or the adjacent levee in fee simple absolute. This permit is effective only insofar as the rights of the County in the Permitted Premises are concerned. You must obtain such permission or authorization as may be necessary on account of any other existing rights by separate negotiations.
3. The County does not warrant in any manner that any portion of Hurricane Levee is suitable for the permitted purposes.
4. This Permit is being given exclusively to you. It is your responsibility to notify any of your employees, representatives, associates, contractors or sub-contractors of the terms and conditions of this permit. It is also your responsibility to ensure that any such person or entities acting on your behalf also abide by the conditions of this permit. You

will be responsible for any damage caused by any of your employees, representatives, associates, contractors or sub-contractors.

5. Any matters relating to this permit shall be addressed to Michael Shannon, Galveston County Engineer at 722 Moody, Galveston, TX 77550, 409.770.5399, michael.shannon@co.galveston.tx.us.
6. The County may permit parties other than you to have use of the Permitted Premises during the permitted period. We will attempt to provide you with the names of such other permitted parties.
7. You are fully responsible for all matters pertaining to traffic regulation, safety and control on all areas of the Permitted Premises attributed to your operations.
8. Your operations will be performed without cost or expense to the County.
9. You agree to be responsible for all damages to the levee and levee roadway caused by your vehicles, equipment or operations or by vehicle, equipment or operations of others acting on your behalf.
10. You will settle, to the County's satisfaction, all claims, damages, demands and causes of action related to the Permitted Premises and levee right-of-way including the levee drainage system, pump station and levee road resulting from your operations or the operations of others acting on your behalf in an expedient manner.
11. You will execute and have your surety execute the attached bond in the amount of \$100,000.00 with the issuance date being the effective date of the permit. The surety bond shall remain in effect for one year, unless the County releases it sooner.
12. The County or its consultant will make all inspections and submit all claims for damages to you within a timely manner. If no damages are determined to have occurred by the County, your bond will be released.
13. Any use of the Permitted Premises, other than for the maintenance of the exposed pipeline requires a new permit and surety bond. The amount of the bond required will be renegotiated.
14. You shall furnish upon Issuance date to the County a copy of your current Certificate of Liability Insurance coverage, insuring against damages, and damages to the person or property of third parties that are caused by vehicles, equipment or your operations; such third party general liability being with bodily injury limits not less than \$250,000 per person, and \$500,000 per accident, and property damage limits of not less than \$100,000 per accident. Galveston County must be named additional insured on the policy.

15. YOU AGREE TO PROTECT, INDEMNIFY, DEFEND AND HOLD THE COUNTY OF GALVESTON HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS OF DAMAGE TO PERSONS OR PROPERTY OCCURRING OR IN ANY WAY ARISING OUT OF OPERATIONS UNDER THIS PERMIT.

16. You agree to these conditions by signing below.

Dated this 13th day of October, 2025.

COUNTY OF GALVESTON,

By: 
Mark Henry, County Judge

ATTEST:

By: 
Dwight D. Sullivan, County Clerk



Kinder Morgan Tejas Pipeline, LLC

By: Morgan, Darius J

Digitally signed by Morgan, Darius J
DN: dc=com, dc=kindermorgan,
ou=Houston, ou=Users, cn=Morgan, Darius J,
email=Darius_Morgan@kindermorgan.com
Date: 2025.10.01 15:38:26 -0500

Darius Morgan
Sr. Project Manager Pipeline Engineer, PMP



Date: 9/18/2025

EXHIBIT A

Pre-Construction Meeting *Construction Phase Details*

- Project Number: 2025 Tejas 202-200 Exposed Pipe in Galveston Bay
- Project Description: Installation of approximately 220 feet of Submar articulated concrete mats over existing 18-inch diameter exposed Dollar Point to Smith Point Pipeline located in the Galveston Bay.
- Construction Contractor: Pipeline Construction & Maintenance
- Construction Phase Point of Contact: Jimmy Bordeaux 409-728-0339
- Engineer of Record: Darius Morgan 713-202-9366
- Project Engineer/Manager: Darius Morgan 713-202-9366
- Closest Physical Address: Beach Drive and Bay Street
- GPS Coordinates: lat 29.431921° lon -94.891790°
- Start Date: 9/29/2025
- Project Duration: 7 days
- Other Project Contacts: Chad Soileau, KM Permitting, Cell: 337.842.1119
Josh White, KM Ops Manager 713-823-8109
James Caddell, ROW 281-961-2492
- Noted Changes or Deviation: None
- Misc.:



Below is the Scope of Work you requested last week:

Kinder Morgan Tejas Pipeline, LLC (KM Tejas) proposes to place approximately 220-feet of concrete Submar mats on its existing 18-inch exposed Dollar Point to Smith Point Pipeline in Galveston Bay. Individual concrete mats are approximately 20-foot in length by 8-foot in width by 0.38-foot in extent. A total of 11 concrete mats will be placed on exposed pipe. KM Tejas will utilize marsh tracked vehicles to perform the proposed work. An approximately 213-foot-long by 30-foot-wide upland temporary workspace will be required for placement of mats and equipment for access from Beach Drive. Additionally, a 327-foot-long by 30-foot-wide temporary workspace in Galveston Bay, to include the beach front, will be required for access of equipment and placement of concrete mats. The temporary workspace width consists of the existing 10-foot permanent KM Tejas pipeline right-of-way and 20-foot of temporary workspace outside of the permanent easement. The aquatic site will be accessed off the beach interface via Beach Drive. KM Tejas will require temporary use of an 8-foot-wide by 120-foot-long vehicle parking area along Beach Drive. Concrete Submar mat placement will be approximately 333-feet from its closest point to the Texas City Hurricane Flood Protection Levee. Concrete mat placement would also abut an existing rock jetty.

Construction will commence as soon as the Project is authorized and will require an estimated 6 - 7 days to complete. Pending all federal and state approvals, the tentative construction start date would be in September 2025.

GALVESTON COUNTY, TEXAS



SURVEY CONDITIONS
1. TOP OF WATER ELEVATION AT TIME OF SURVEY: 28.41.
2. DEPTH OF WATER AT WATIED AREA: 4' 11".
3. CONDITIONS DURING SURVEY: SOUTHERN WIND AT 4-MPH WITH 1/2 SWELLS.

PLAN VIEW
SCALE: 1" = 100'

- NOTES**
1. COVER AREA PRELIMINARY WAS DETERMINED BY PRELIMINARY SURVEYS AND CROSS-SECTIONAL DATA.
 2. PRELIMINARY SURVEY WAS CONDUCTED TO THE 2000 COORDINATE SYSTEM OF 1983. SOUTH COASTAL, TEXAS, AND BASED ON THE ALUTERA DATA SYSTEM. ELEVATION CORRESPONDENCE WAS USED TO CORRELATE THE 2000 COORDINATE SYSTEM TO THE 1983 COORDINATE SYSTEM.
 3. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO MARS, AND BASED ON THE ALUTERA DATA SYSTEM. ELEVATION CORRESPONDENCE WAS USED TO CORRELATE THE 2000 COORDINATE SYSTEM TO THE 1983 COORDINATE SYSTEM.
 4. ELEVATION CORRESPONDENCE WAS USED TO CORRELATE THE 2000 COORDINATE SYSTEM TO THE 1983 COORDINATE SYSTEM. ELEVATION CORRESPONDENCE WAS USED TO CORRELATE THE 2000 COORDINATE SYSTEM TO THE 1983 COORDINATE SYSTEM.
 5. SOUTHERN COASTAL TEXAS, AND BASED ON THE ALUTERA DATA SYSTEM. ELEVATION CORRESPONDENCE WAS USED TO CORRELATE THE 2000 COORDINATE SYSTEM TO THE 1983 COORDINATE SYSTEM.

BACKGROUND INFORMATION FOR EXISTING PIPELINES, SHIPPING CHANNELS AND OILFIELD COAST LINE BLOCKS WERE OBTAINED FROM PUBLIC GIS DATA SOURCES.

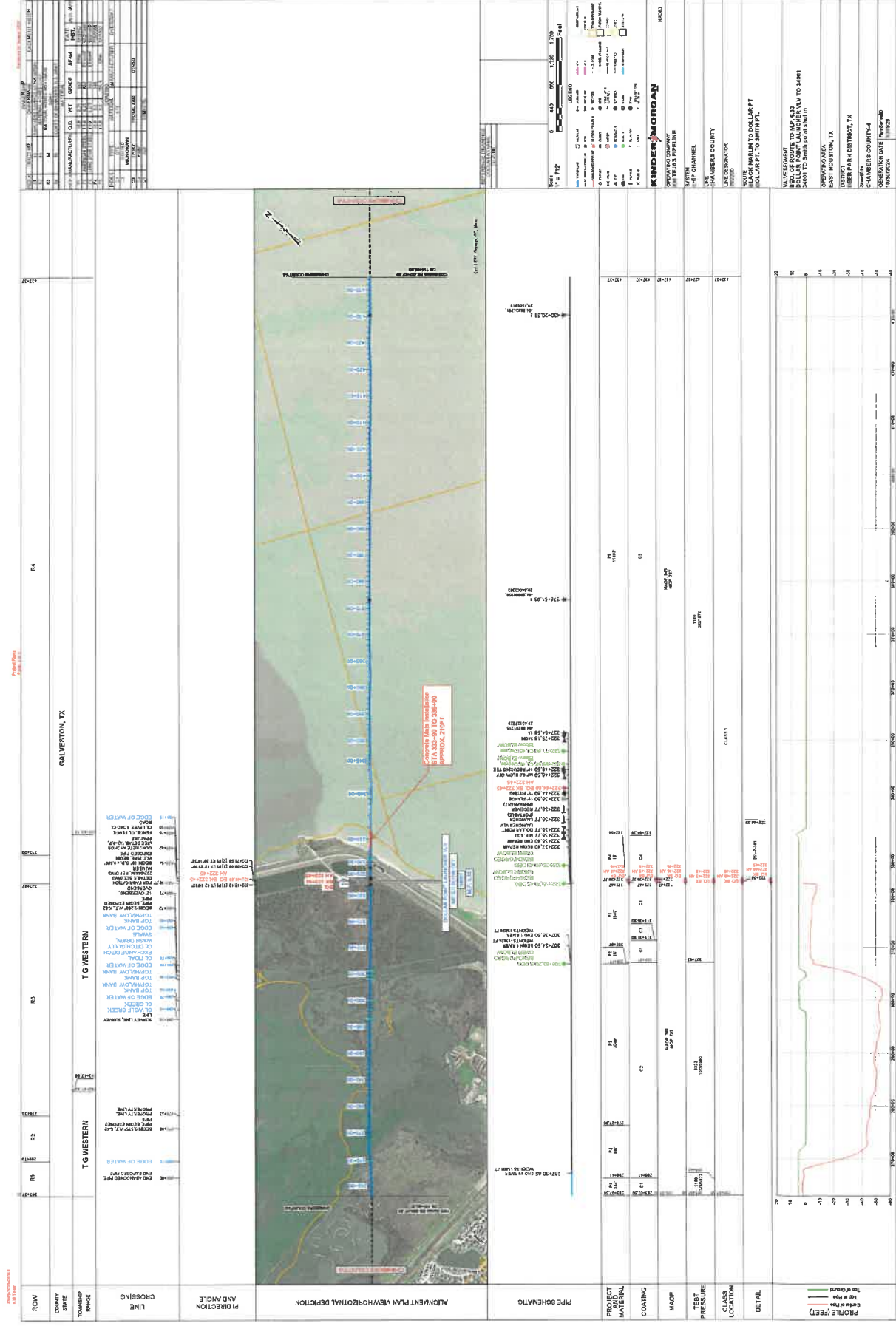


VICINITY MAP - GALVESTON BAY, TEXAS
SCALE: 1" = 2 MILES



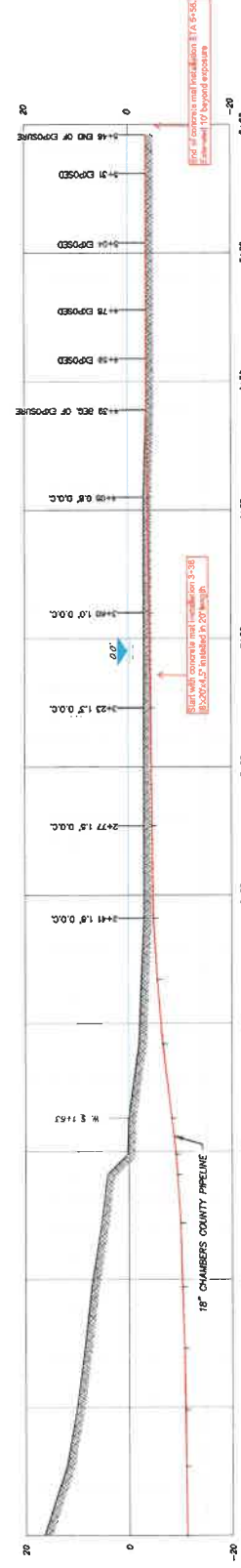
PROJECT AREA MAP
SCALE: 1" = 1000'

Direct Integrity Services, LLC		KINDER MORGAN	
EXISTING 18" WINDENBORGH PRELINE		DOLLAR POINT LOCATION SURVEY	
GALVESTON BAY, TEXAS		GALVESTON COUNTY, TEXAS	
SCALE: AS SHOWN		DATE: 07/17/2024	
DSS: 0881 201-013		DSS: 0881 201-013	

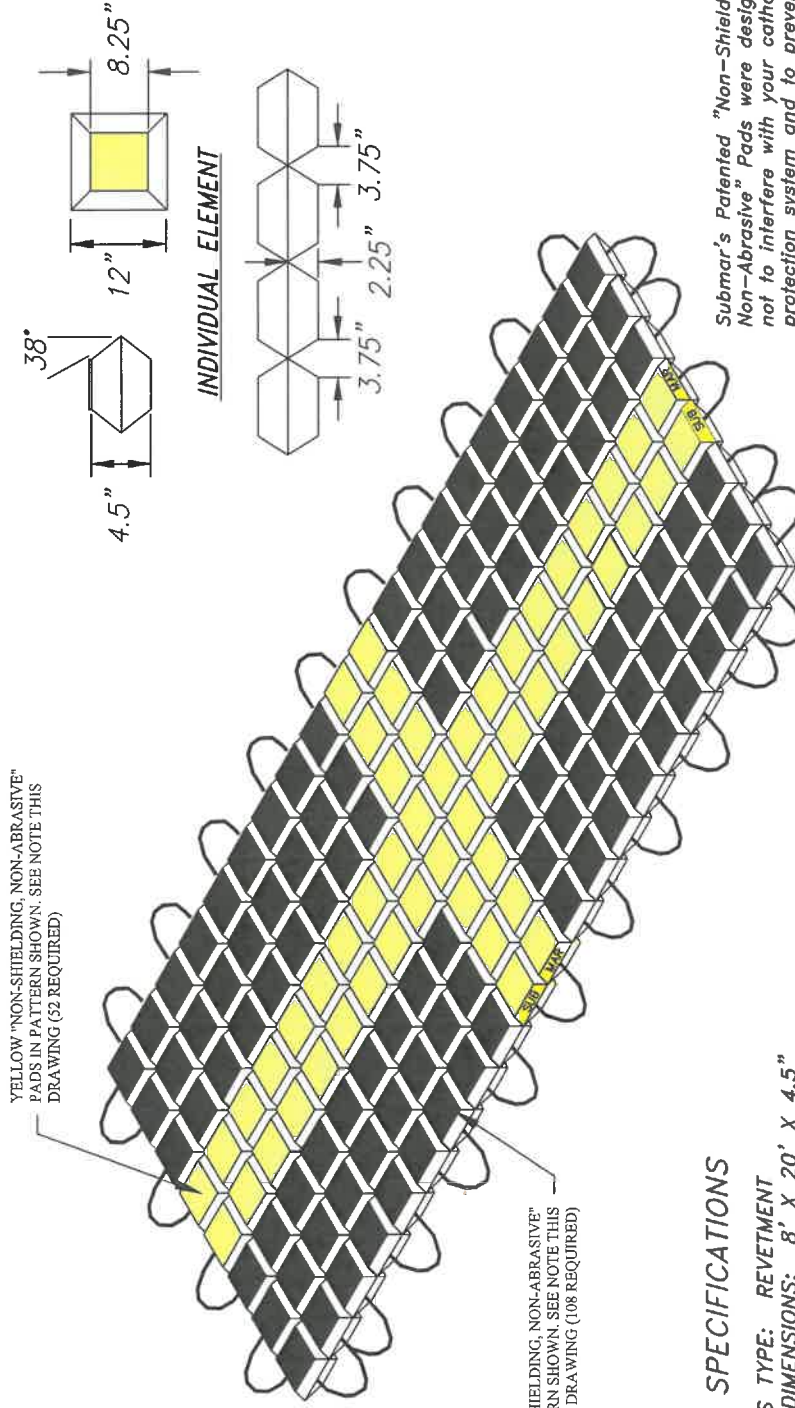




PROFILE
SCALE: 1"=20' HORIZ.
SCALE: 1"=10' VERT.
(REF. SCALE FOR "D SIZE")

[illegible]

Doc#: SMD-450820WP



SPECIFICATIONS

MATTRESS TYPE: REVETMENT
MATTRESS DIMENSIONS: 8' X 20' X 4.5"
MATTRESS WEIGHT: AIR 6,200 POUNDS
MATTRESS WEIGHT SUBMERGED: 3,600 POUNDS (APPROX.)
CONCRETE DENSITY: 145 LBS. PER CU. FT., 4,000 PSI
160 ELEMENTS: 5/8" ULTRA VIOLET STABILIZED COPOLYMER
EXTRUDED FIBER ROPE, MINIMUM TENSILE STRENGTH 9,500 POUNDS

Submar's Patented "Non-Shielding, Non-Abrasive" Pads were designed, not to interfere with your cathodic protection system and to prevent damage to fusion bonded epoxy and other coated pipelines. Open areas will remain even when the pad is fully compressed. The pads are 8½" x 8½" square and are made of heavy duty 3/8" pVC.



THESE CONCEPTUAL DRAWINGS ARE PREPARED BY SUBMAR
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SUBMAR
STANDARD 8.00'x20.00'
MAT DETAIL

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DATE: 7/7/17	CHECKED BY: MPD	DRAWN BY: MJP	SCALE: N.T.S.	CONTACT:
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4.5" CONCRETE MATTRESS



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, GALVESTON DISTRICT
2000 FORT POINT RD
GALVESTON, TEXAS 77550

EXHIBIT B

September 17, 2025

Evaluation Branch

SUBJECT: Permit No. SWG-2025-00348; Nationwide Permit Verification

Mr. Chad Soileau
Kinder Morgan Tejas Pipeline LLC (KM Tejas)
1001 Louisiana Street
Houston, Texas 77002

Dear Mr. Soileau:

This is in reference to your request, dated August 4, 2025, submitted on your behalf by Edge Engineering & Science, LLC, to permanently discharge 24.8 cubic yards of concrete matting within 0.04-acre area of Galveston Bay to provide erosion protection for an exposed segment of the 18-inch diameter Dollar Point to Smith Point Pipeline. The concrete matting consists of eleven individual mats, each measuring 20 feet long by 8 feet wide and 4.5 inches thick. The mats will be placed within the pipeline's 10-foot-wide permanent easement using tracked vehicles. The project includes a 540-foot-long, 20-foot-wide temporary workspace adjacent to the permanent easement for staging and access. Pre-construction contours to areas temporarily impacted during construction activities will be restored. The project is located in Galveston Bay, east of Skyline Drive at a location approximately 0.6-mile north of its intersection with Bay Street Extension, in Texas City, Galveston County.

This request is verified by Nationwide Permit (NWP) 18 and Nationwide Permit (NWP) 33 pursuant to Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. This NWP verification is valid provided the activity is compliant with the enclosed plans, in 4 sheets. In addition, the activity must be in compliance with the NWP General/Regional Conditions, Section 401 Water Quality Certification, and the Coastal Management Program, which can be found at: <https://www.swg.usace.army.mil/Missions/Regulatory/Permits/Nationwide-General-Permits/>. A hard copy can be provided to you upon request.

NWP 18. Minor Discharges: Authorizes minor discharges of dredged or fill material into all waters of the United States.

NWP 33. Temporary Construction, Access, and Dewatering: Authorizes temporary structures, work, and discharges, including cofferdams, necessary for construction activities or access fills or dewatering of construction sites.

The NWP verification is valid until the NWP is modified, reissued, or revoked. The subject NWPs authorized in 2021 are scheduled to be modified, reissued, or revoked prior to March 15, 2026. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This verification does not address nor include any consideration for geographic jurisdiction on aquatic resources and shall not be interpreted as such. If you have any questions, please contact Julie Ruth by telephone at 409-766-6360 or by email Julia.C.Ruth@USACE.Army.Mil. Please notify the Galveston District Regulatory Division in writing by email at CESWGRegulatoryInbox@USACE.Army.Mil, upon completion of the authorized project.

FOR THE DISTRICT COMMANDER:



K. Marie Taylor
Leader, Central Evaluation Unit

cc w/Encl.
Edge Engineering & Science, LLC, Kristi Soltysiak

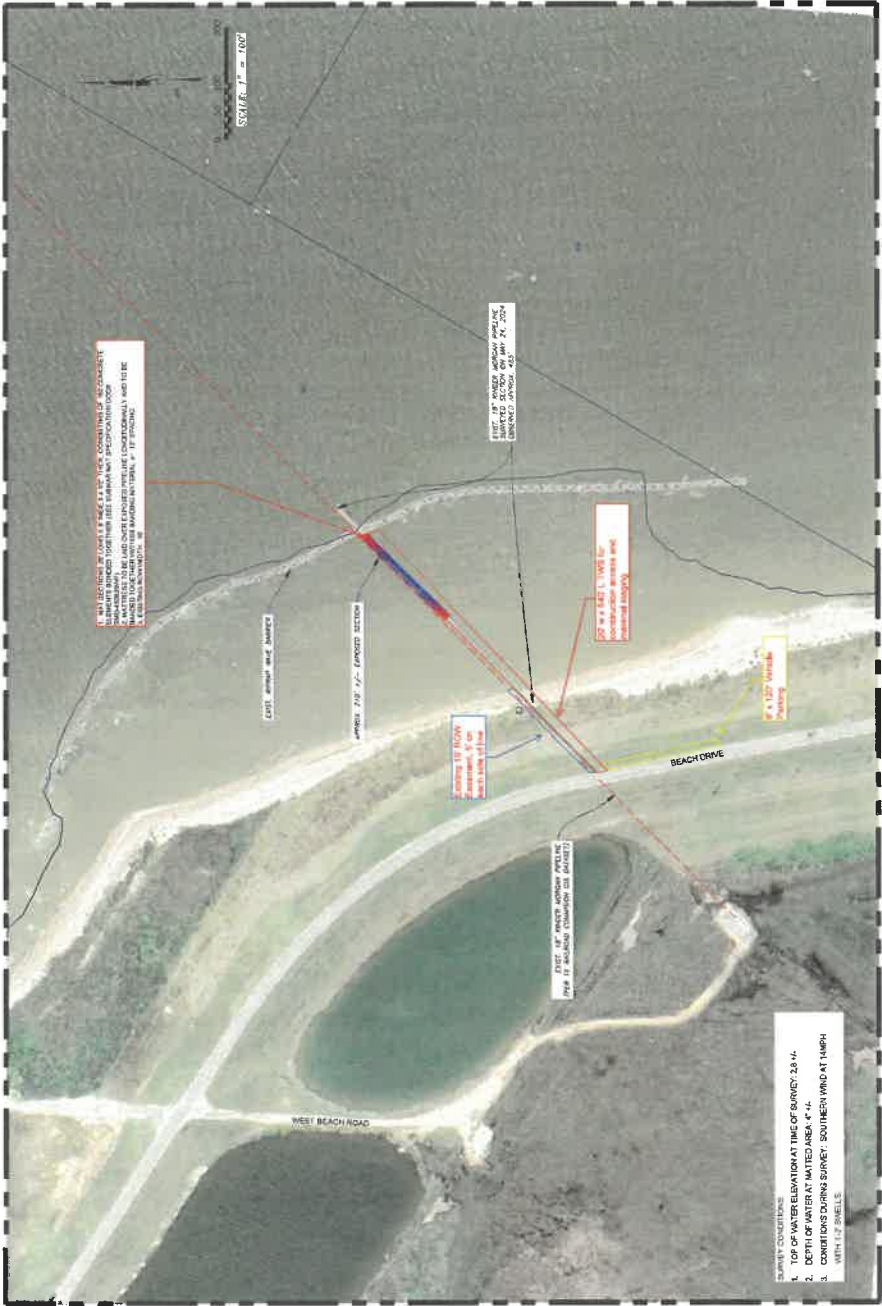
Eighth Coast Guard District, New Orleans, LA

National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Coast & Geodetic Survey, Silver Spring, MD

Texas Commission on Environmental Quality

Texas General Land Office

GALVESTON COUNTY, TEXAS



PLAN VIEW
SCALE: 1" = 100'

- NOTES:
1. COVER OVER PIPELINE WAS DETERMINED BY PROBING METHODS UNLESS OTHERWISE NOTED.
 2. ALL ELEVATIONS ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH ZONE, AND BASED ON THE ALTIMETER DATA SYSTEM (TDS) COMPENSATING FOR TIDE EFFECTS. TIDE DATA WAS OBTAINED FROM THE TDS DATA.
 3. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO MGDMS, AND BASED ON THE ALTIMETER DATA SYSTEM (TDS) COMPENSATING FOR TIDE EFFECTS. TIDE DATA WAS OBTAINED FROM THE TDS DATA.
 4. ELEVATIONS ARE CORRECTED FROM 6.25' (150-160) SURFACE WINDSPEED, DATA WITH 6.25' WINDSPEED LOCATED ON A 100' WIND SPEED SURVEY POLE.
 5. MOUNTED ON A 100' WIND SPEED SURVEY POLE.



VICINITY MAP - GALVESTON BAY, TEXAS
SCALE: 1" = 2 MILES



PROJECT AREA MAP
SCALE: 1" = 1000'

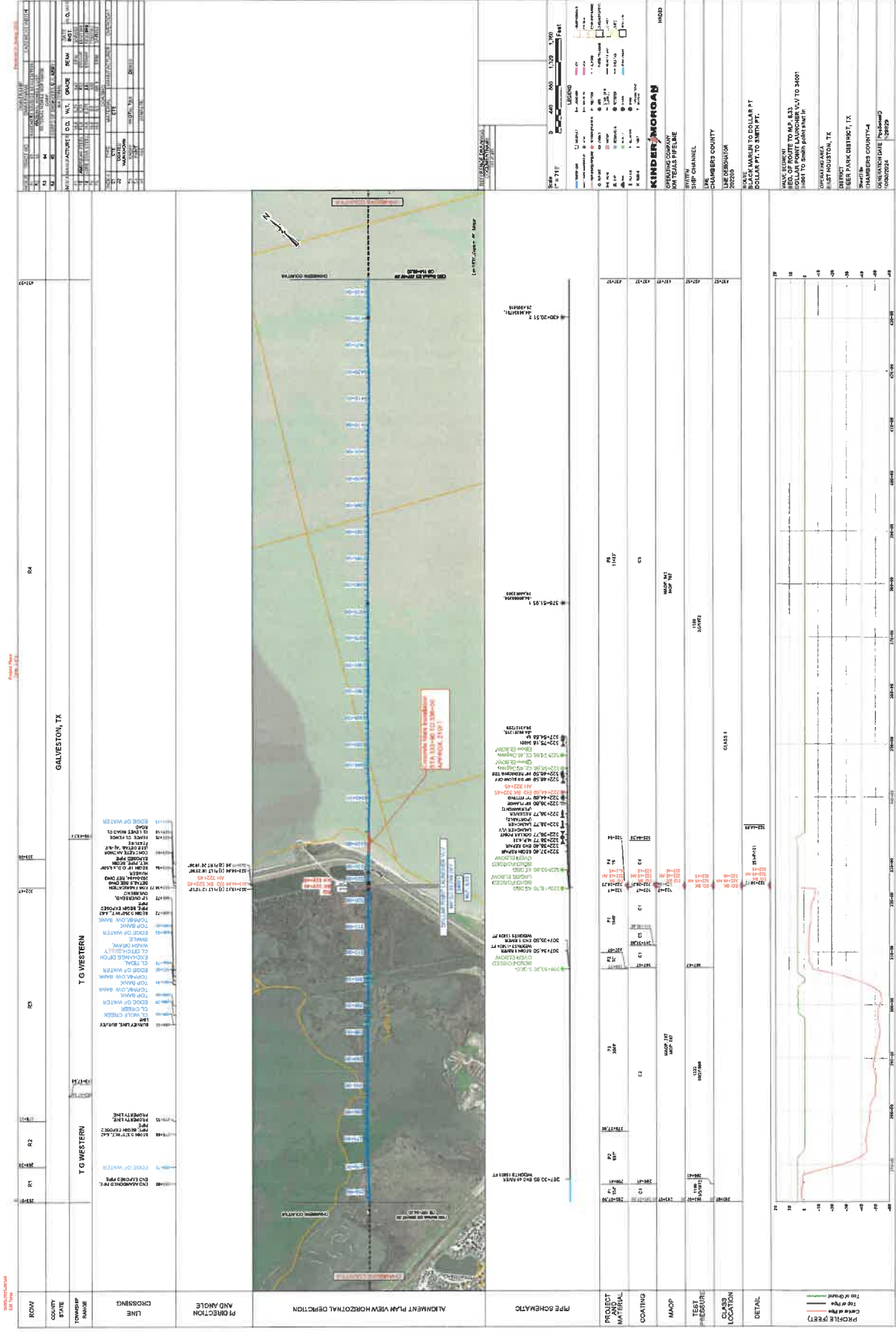
Direct Integrity
Services, LLC

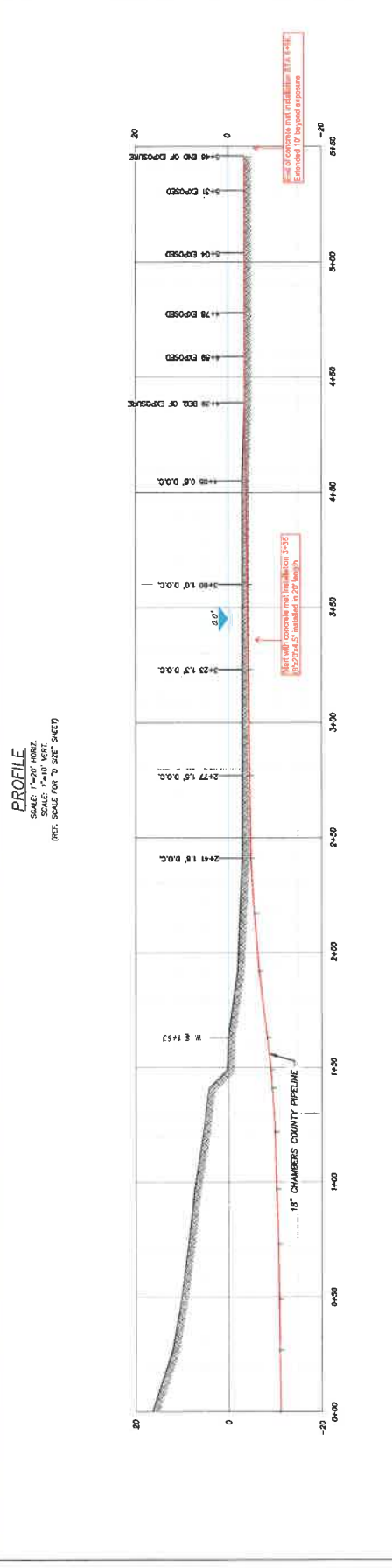
KINDER MORGAN

EXISTING 18" KINDERMORGAN PIPELINE
DOLLAR POINT LOCATION SURVEY
GALVESTON BAY, BAY 350
GALVESTON COUNTY, TEXAS

SCALE: AS SHOWN
DATE: 07/10/2024
PLOT: 001 (101-101-001)

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1	07/10/2024	PROJECT AREA MAP	JM	JM	JM
2	07/10/2024	VICINITY MAP	JM	JM	JM
3	07/10/2024	PLAN VIEW	JM	JM	JM
4	07/10/2024	SECTION MAP	JM	JM	JM
5	07/10/2024	SECTION MAP	JM	JM	JM
6	07/10/2024	SECTION MAP	JM	JM	JM
7	07/10/2024	SECTION MAP	JM	JM	JM
8	07/10/2024	SECTION MAP	JM	JM	JM
9	07/10/2024	SECTION MAP	JM	JM	JM
10	07/10/2024	SECTION MAP	JM	JM	JM





PIPE DATA									
Stationing	Depth of pipe in feet	Latitude	Longitude	Elevation [NAVD83]	In-sloping	Depth of pipe	Latitude	Longitude	Elevation [NAVD83]
C+0+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+0+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+1+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+2+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
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C+3+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+3+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+4+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
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C+5+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
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C+5+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+5+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+5+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+5+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+6+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+7+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+8+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+50	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+60	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+70	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+80	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+9+90	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+10+00	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+10+10	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+10+20	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+10+30	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137	3.0
C+10+40	27.5	29.0130447	-94.8913047	16.4	2+45	3.8	29.1185154	-94.8789137</	

