

JOINT PUBLIC NOTICE

February 24, 2014

United States Army Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

(504) 862-1301
Project Manager
Neil T. Gauthier
Neil.T.Gauthier@USACE.army.mil
MVN-2014-00078-CM

State of Louisiana
Department of Environmental Quality
Water Quality Certifications Section
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Johnson
WQC Application Number
140219-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the US Army Corps of Engineers pursuant to: [] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications Section, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

DEPOSITION OF FILL MATERIAL FOR NEW RAILROAD TRACK CONNECTION

NAME OF APPLICANT: Nachurs Alpine Solutions, c/o Shaw E & I (A CB&I Company), 4171 Essen Lane, Baton Rouge, Louisiana 70809.

LOCATION OF WORK: Section 31, T9S-R1E, approximately 0.7 miles east of the Mississippi River, near St. Gabriel, Louisiana, in Iberville Parish, within the Amite Watershed, in hydrologic unit (HUC 08070202), as shown on the attached drawings.

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to clear, grade, excavate, and deposit fill and/or aggregate material to construct and maintain approximately 1.2 miles of railroad track. The new rail track will connect their facility with the CN mainline for the storage of rail cars which will receive raw material for manufacturing and distribution of products. Approximately 460 cubic yards of ballast material would be hauled in and deposited to achieve required grade elevation requirements and approximately 90 cubic yards of native material will be re-distributed on site.

A Preliminary analysis has determined that the proposed project would directly impact 1.68 acres of "other waters of the US" which are not special aquatic sites but under the jurisdiction of the Corps and 0.49 acre of forested wetlands.

The applicant has designed the project to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable. As compensation for unavoidable wetland impacts, the applicant proposes to mitigate in-kind wetland credits from a Corps approved mitigation bank located in the watershed.

The comment period for the Department of Army will close in **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The US Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the US Army Corps of Engineers to determine whether to make, modify,

condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

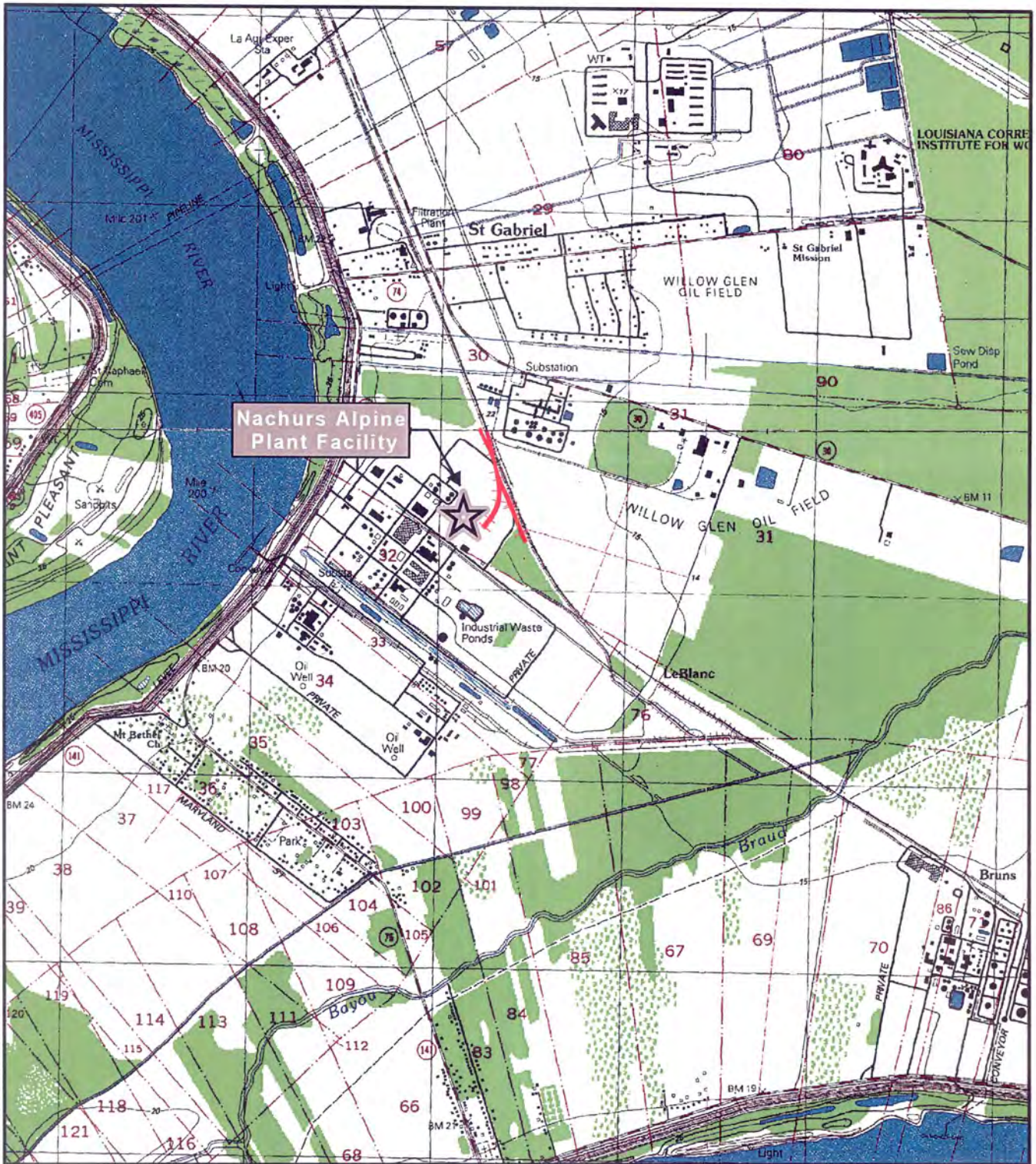
This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of up to n/a acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications Section before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

JOHN M. HERMAN
Chief, Central Evaluation Section
Regulatory Branch

Enclosures



Z:\CLIENT\Nachurs Alpine Solutions\Working\GIS\Map_Doc\SiteLoc_404_permit.mxd; Analyst: Date: 12/3/2013 2:53:32 PM

Legend

Proposed Railroad Tracks



REFERENCE:
USGS 24K Quad Maps (Pre-1998)
Saint Gabriel and Carville

NACHURS ALPINE SOLUTIONS
4200 Geigy Access Rd.
St. Gabriel, LA 70776

Railroad Track Connection Project
Section 404 Permit Application

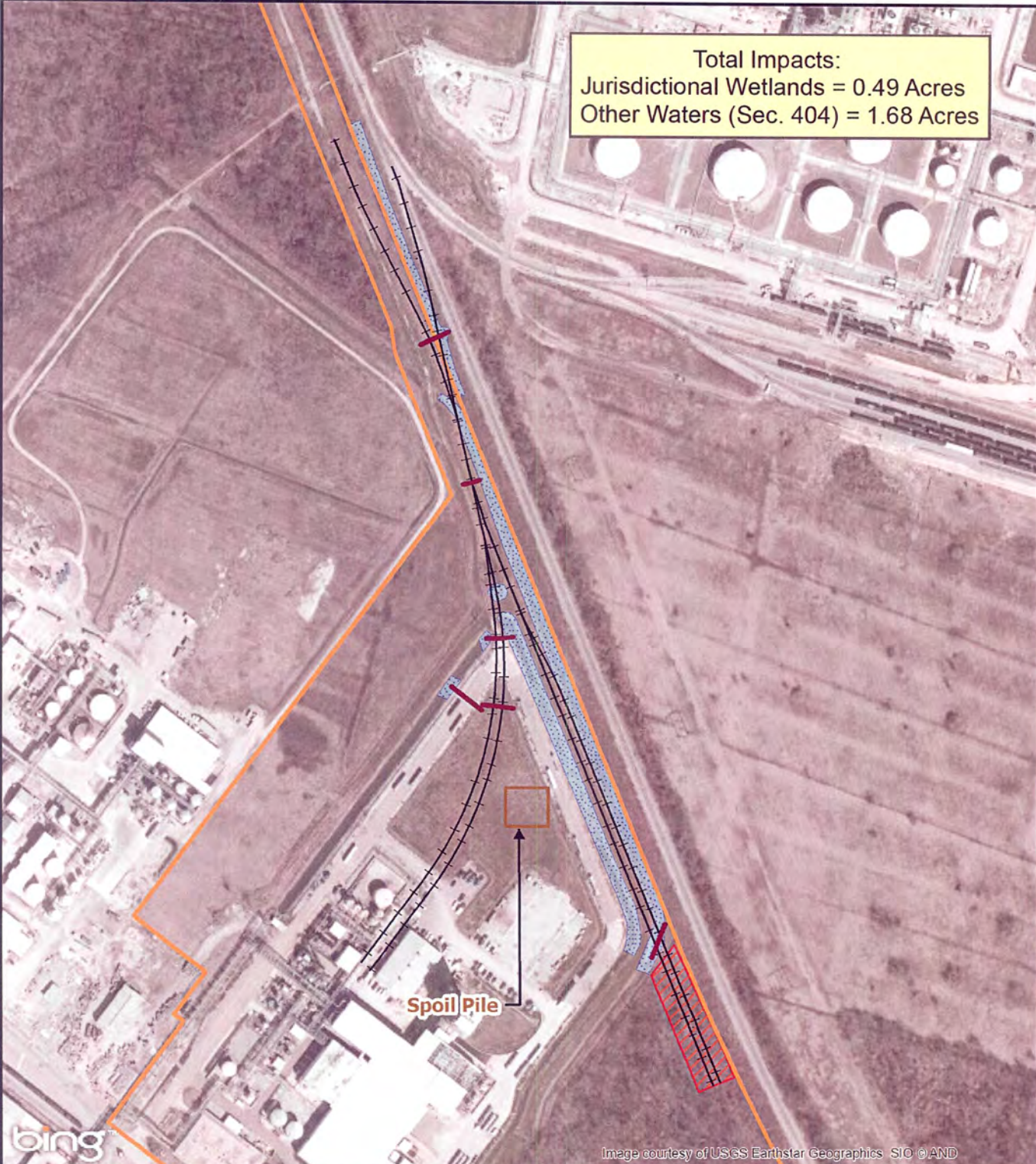
FIGURE NUMBER
1

SITE LOCATION MAP
Iberville Parish, LA



Shaw Environmental & Infrastructure, Inc.
(A CBI Company)
4171 Essen Lane
Baton Rouge, LA 70809

Total Impacts:
 Jurisdictional Wetlands = 0.49 Acres
 Other Waters (Sec. 404) = 1.68 Acres

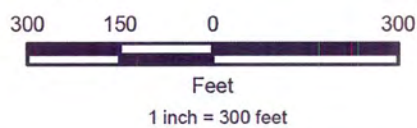


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Image courtesy of USGS Earthstar Geographics SIO © AND

Legend

- +— Proposed Railroad Tracks
- Proposed Steel Culvert Crossings
- Approx. Property Boundary
- ▨ Jurisdictional Wetlands
- ▧ Other Waters of the U.S. (Sec. 404)



NACHURS ALPINE SOLUTIONS
 4200 Geigy Access Rd.
 St. Gabriel, LA 70776

Railroad Track Connection Project
 Section 404 Permit Application

FIGURE NUMBER

2

IMPACT MAP



Shaw Environmental & Infrastructure, Inc.
 (A CBI Company)
 4171 Essen Lane
 Baton Rouge, LA 70809

CONCRETE GENERAL NOTES

- MATERIALS, CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE ACI 318 BUILDING CODE, APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.
- CONCRETE MATERIALS SHALL CONFORM TO THE LATEST REVISION OF THE FOLLOWING ASTM SPECIFICATIONS:
 - AGGREGATES AS PER C33
 - CEMENT AS PER C150, TYPE I UNLESS OTHERWISE NOTED
 - DEFINING REINFORCING BARS AS PER A615, GRADE 60
 - WELDED WIRE FABRIC AS PER A615 AND A103
- ALL CASTING TO BE PERFORMED USING FINE START GROUT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR APPROVED EQUAL UNLESS NOTED.
- UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL BE SPICED AS FOLLOWS:
 - COMPRESSION SPICES: 30 BAR DIAMETERS MINIMUM
 - TENSION SPICES SHALL BE CLASS "T" IN ACCORDANCE WITH ACI 318
 - MINIMUM LAP FOR WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ACI 318.
- CONCRETE PROTECTION FOR REINFORCING SHALL BE AS FOLLOWS:
 - CONCRETE EXPOSED DIRECTLY AGAINST GROUND: 3 IN. CLEAR
 - CONCRETE EXPOSED TO EARTH OR WEATHER AFTER REMOVAL OF FORMS: 2 IN. CLEAR
- ALL EXPOSED CORNERS OF CONCRETE ABOVE GRADE SHALL HAVE A MINIMUM 3/4 IN. BY 45 DEGREE CHAMFER FINISH EDGE.
- CONSTRUCTION JOINTS OTHER THAN THOSE SPECIFIED ON DRAWINGS SHALL OCCUR ONLY WHERE APPROVED.
- CONCRETE SHALL BE CURED IN ACCORDANCE WITH ACI STANDARD 308.
- CONCRETE WORK PERFORMED BELOW 40 F SHALL BE IN ACCORDANCE WITH ACI STANDARD 308.
- CONCRETE WORK PERFORMED ABOVE 50 F SHALL BE IN ACCORDANCE WITH ACI STANDARD 308.
- AREA AROUND EACH FOUNDATION MUST BE THOROUGHLY PROBED FOR UNDERGROUND INTERFERENCES BEFORE STARTING ANY EXCAVATION.
- UNLESS OTHERWISE SPECIFIED, FOUNDATIONS ARE TO REST ON FIRM UNDISTURBED SOIL. RECOMMENDED BY THE WORK.
- ALL CONDUIT, GROUND WIRES, DRAINS, ANCHOR BOLTS AND OTHER EMBEDDED ITEMS, ETC., ARE TO BE IN PLACE BEFORE CONCRETE IS POURED.
- EXPANSION JOINT MATERIAL SHALL BE PRE-MOLDED NON-EXTRUDING ASPHALT IMPREGATED FIBER MATERIAL PER ASTM D594. BACKFILL TO BE THOROUGHLY COMPACTED BEFORE EQUIPMENT IS ERECTED.
- JOINT SEALER SHALL BE "SINKFLO-20-40" TWO PART POLYURETHANE BY SHILOH OR APPROX. EQ. INSTALLED OVER BACKER ROD. INSTALL PRIMER UNDER THE SEALER # AND AS RECOMMENDED BY THE WORK.
- BACKER ROD FOR EXPANSION JOINTS SHALL BE "TIP STANDARD BACKER ROD" BY INDUSTRIAL THERMO POLYMERS LIMITED OR APPROX. EQ.
- BONDING AGENT SHALL BE "SLOW SET BONDING AGENT" AS MANUFACTURED UNITEK OR APPROX. EQ.
- DUMRELL WATERSTOP SHALL BE 6" PVC NO. D114 AS MANUFACTURED BY VINYLEX OR APPROX. EQ. UNLESS OTHERWISE NOTED.
- DUMRELL CENTERLINE WATERSTOP SHALL BE 6" PVC NO. R51511A AS MANUFACTURED BY VINYLEX OR APPROX. EQ. UNLESS OTHERWISE NOTED.
- STRUCTURAL FILL UNDER FOUNDATIONS SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. ONE DENSITY TEST SHALL BE PERFORMED EACH 200 CUBIC YARDS OF BACKFILL.
- ANCHOR BOLTS TO CONFORM TO ASTM F1554 GRADE 35 STEEL UNLESS NOTED OTHERWISE. ALL ANCHOR BOLTS, NUTS AND WASHERS TO BE GALVANIZED PER ASTM A153.
- EXPANSION ANCHORS SHALL BE HTU1 KMK 3/4" 316 STAINLESS STEEL VERSON.

CONCRETE PLACEMENT NOTES

- IN CASE OF DISCREPANCY BETWEEN CODES, SPECIFICATIONS, STANDARDS OR DRAWINGS, THE DRAWINGS WILL SUPERSEDE.
- NO CONCRETE SHALL BE ALLOWED TO HAVE MORE THAN A 3 UNINTERRUPTED FEET FALL, OR 8' OF TOWER FALL WITHOUT A SUITABLE CHUTE, VERTICAL PIPE OR TRUCKS.
- MINIMUM OF 3 STRENGTH TEST (4 SPECIMENS) SHALL BE MADE FOR EACH 50 YARDS OR FRACTION THEREOF, OF EACH CONCRETE POUR.
- ALL CONCRETE SHALL BE DEPT BELOW 507 UNITS PLACEMENT.
- CONCRETE SHALL NOT BE PLACED WHEN TEMPERATURE IS BELOW 50°F AND FALLING UNLESS ADEQUATE HEATING IS PROVIDED IF TEMPERATURE IS NOT BEING AND WEATHER CONDITIONS APPEARS TO BE IMPROVING. IT WILL BE PERMISSIBLE TO POUR CONCRETE HEATING EQUIPMENT SHALL BE FURNISHED BY CONTRACTOR TO PROTECT GREEN CONCRETE IN PLACE IF UNEXPECTED ADVERSE WEATHER CONDITIONS ARE ENCOUNTERED.
- CARE WILL BE TAKEN NOT TO OVER VIBRATE CONCRETE.
- THE MAXIMUM ALLOWABLE DEVIATION FOR CENTER LINE OF REBAR SHALL BE THE LESSER OF 1" OR ONE (1) DIAMETER OF REBAR SIZE.
- SUITABLE PREPARATIONS SHALL BE MADE SO THAT CONTINUOUS POURS OF BLOCKS, SLABS, BEAMS, COLUMNS & OTHER MONOLITHIC POURS WILL NOT BE INTERRUPTED. A POUR WILL NOT BE CONSIDERED CONTINUOUS IF A SURFACE IS ALLOWED TO STAND MORE THAN 30 MINUTES BEFORE ADDITIONAL CONCRETE IS POURED AGAINST AND MADE INTEGRAL WITH IT.
- IF MORE THAN 30 MINUTES ELAPSES BETWEEN POURS, THE SURFACE OF THE CONCRETE TO BE PLACED SHALL BE CURVED AND CLEANED PRIOR TO PLACING ADDITIONAL CONCRETE. THE SURFACE SHALL BE THOROUGHLY SUFFICIENTLY TO PERMIT GOOD BOND PRIOR TO PLACING ADDITIONAL CONCRETE.
- FORMS SHOULD REMAIN IN PLACE FOR A MINIMUM OF 24 HOURS. NOTE: FOR LARGE VERTICAL POURS OR DURING EXTREME COLD WEATHER FORMS MAY NEED TO REMAIN IN PLACE LONGER AT THE DISCRETION OF OWNER.
- CONCRETE SHALL BE PLACED AND FINISHED SUFFICIENTLY TO INSURE THAT ALL JOISTS ARE ELIMINATED. ALL STEEL IS COMPLETELY SURROUNDED BY CONCRETE, AND ALL CORNERS OF FORMS ARE THOROUGHLY FILLED.

STRUCTURAL STEEL GENERAL NOTES:

- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS.
- UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 - ASTM A992 GRADE 50 ALL WIDE FLANGE SECTIONS & WT SECTIONS
 - ASTM A572 GRADE 50 ALL CHANNELS, PLATES, AND SHRS
 - ASTM A36 ALL ANGLE SECTIONS
- ALL BOLTS SHALL BE 3/4" DIA. ASTM A325-N WITH 13/16" DIA HOLES UNLESS OTHERWISE NOTED. CONNECTIONS FOR WAGERS, DIMPLES, AND TOE PLATES TO BE 5/8" DIA. ASTM A-307 BOLTS WITH 11/16" DIA. HOLES. ALL NUTS AND BOLTS SHALL BE HOT DIPPED GALVANIZED AS PER ASTM A153.
- ALL CONNECTIONS SHALL BE SHOP WELDED & FIELD BOLTED UNLESS OTHERWISE NOTED.
- ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED BEAM CONNECTIONS PER TABLE 8 OR 8 OF "AISC - MANUAL OF STEEL CONSTRUCTION" LATEST EDITION, USING MAXIMUM NUMBER OF BOLTS UNLESS OTHERWISE NOTED.
- BOLTED CONNECTIONS SHALL NOT HAVE LESS THAN TWO (2) BOLTS.
- MINIMUM THICKNESS OF CONNECTION, STIFFENER, AND GUSSET PLATES SHALL BE 3/8 IN.
- ALL SHOP CONNECTIONS SHALL BE WELDED.
- ALL FIELD CONNECTIONS SHALL BE BOLTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- BOLT HOLES SHALL BE DRILLED OR PUNCHED. BURNING IS NOT PERMITTED.
- WELDING SHALL BE AS PER THE LATEST EDITION OF "STRUCTURAL WELDING CODE D1.1" OF THE AMERICAN WELDING SOCIETY, USING E-70XX ELECTRODES.
- STEEL FABRICATOR SHALL FURNISH ALL BOLTS, CLIPS, NUTS, WASHERS, & ETC., NECESSARY FOR ERECTION, PLUS TEN (10) PERCENT EXTRA.
- STEEL FABRICATOR SHALL PROVIDE ERECTION AND SHOP DRAWINGS. ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A153 AND A155.
- ALL DAMAGED GALVANIZED STEEL SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH A METHOD DESCRIBED IN ASTM A153.
- DAMAGED AREAS OF GALVANIZING SHALL BE THOROUGHLY CLEANED, SANDBLASTED AND REPAIRED WITH "SPECIAL" GALVANIZING OR APPROVED EQUAL.

EARTH GENERAL NOTES:

- WORK SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- THE CONTRACTOR SHALL COORDINATE ALL WORK PERFORMED WITH EXISTING EASEMENTS AND RIGHT-OF-WAYS WITH RESPECTIVE UTILITIES AND PIPELINE ENTITIES PRIOR TO BEGINNING WORK.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- CLEAR AND GRUB ALL AREA REQUIRED TO INSTALL THE WORK.
- ALL CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH SECTION 201, "CLEARING AND GRUBBING" OF THE LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- ALL EARTHWORK SHALL BE IN ACCORDANCE WITH SECTION 203, "EXCAVATION AND EMBANKMENT" OF THE LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- IMPORTED STRUCTURAL FILL SHALL CONSIST OF SANDY CLAY OF CLAY HAVING A LIQUID LIMIT LESS THAN 35 AND PLASTICITY INDEX BETWEEN 10 AND 20.
- ALL ROAD BEDS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM D698.
- TEMPORARY SILT FENCE SHALL BE IN ACCORDANCE WITH LADOTD STANDARD EC-10, "TEMPORARY EROSION CONTROL DETAILS".
- SILT FENCE FABRIC SHALL BE US 1555F WOVEN FABRIC MANUFACTURED BY US FABRIC OR APPROVED EQUAL.
- EROSION CONTROL BRACKET SHALL BE TYPEC R-1 "RAPID GRAB" MANUFACTURED BY WYWESTERN EXCLUSOR OR APPROVED EQUAL.

EARTH WORK AND DRAINAGE NOTES:

- THE CONTRACTOR SHALL USE CONTROL POINTS SHOWN ON DRAWING CMC 422403-R-001 FOR HORIZONTAL AND VERTICAL CONTROL.
- WORK SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
- THE CONTRACTOR SHALL COORDINATE ALL WORK PERFORMED WITH EXISTING EASEMENTS AND RIGHT-OF-WAYS WITH RESPECTIVE UTILITIES, PRELIMINARY ENTRY AND RAILROAD STANDARD PRIOR TO BEGINNING CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- ALL FILL MATERIAL SHALL BE A CLAY MATERIAL, TYPE "CL" PER THE UNIFIED SOIL CLASSIFICATION SYSTEM. FILL MATERIAL SHALL HAVE A PLASTICITY INDEX OF 10 TO 20, AND A LIQUID LIMIT LESS THAN 35.
- ALL REINFORCED CONCRETE PIPE, TOP, SHALL CONFORM TO ASTM C15 CLASS IV WITH TYPE 3 JOINTS PER SECTION 1006, CONCRETE AND PLASTIC PIPE, OF THE LOUISIANA STANDARD SPECIFICATION FOR ROAD AND BRIDGES, 2006 EDITION.
- ALL CORRUGATED METAL PIPE SHALL BE IN ACCORDANCE WITH CDS ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, SEPT. 12, 2011, AND SHALL MEET COOPER E-80 LOADING REQUIREMENTS. ALL CORRUGATED METAL PIPE SHALL BE STAINLESS COATED PER SECTION 1007.02 OF THE LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES, 2006 EDITION.
- FILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM D698.
- GEOTEXTILE FABRIC SHALL BE WOVEN US250 MANUFACTURED BY US FABRIC OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
- ROAD BED AND SIDING SHALL BE IN ACCORDANCE WITH SECTION 3.4 OF CDS ENGINEERING SPECIFICATIONS FOR INDUSTRIAL TRACKS, SEPT. 12, 2011 EXCEPT BALLAST AND SUBBALLAST THICKNESSES SHALL BE IN ACCORDANCE WITH THE TYPICAL SECTIONS SHOWN ON DWG. 422403-R-002.
- SUBBALLAST SHALL BE IN ACCORDANCE WITH SECTION 3.9.3 OF CDS ENGINEERING SPECIFICATIONS FOR INDUSTRIAL TRACKS, SEPT. 12, 2011.
- BALLAST SHALL BE IN ACCORDANCE WITH SECTION 3.9.4 OF CDS ENGINEERING SPECIFICATIONS FOR INDUSTRIAL TRACKS, SEPT. 12, 2011.

TRACK WORK NOTES:

- ALL TRACK WORK SHALL BE IN ACCORDANCE WITH AMERICAN RAILWAY ENGINEERING AND MAINTENANCE ASSOCIATION "IREMA" STANDARDS AND SPECIFICATIONS AND SUBJECT TO INSPECTION AND FINAL APPROVAL BY THE ENGINEER.
- ALL TRACK WORK SHALL BE IN ACCORDANCE WITH CDS ENGINEERING SPECIFICATIONS FOR INDUSTRIAL TRACK DESIGN, SEPT. 12, 2011.
- ALL TRACK MATERIALS SHALL CONFORM TO SECTION 3.9, "MATERIAL" OF CDS ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, LATEST EDITION, EXCEPT AS NOTED BELOW AND EXCEPT AS SHOWN ON THE DESIGN DRAWINGS.
- ALL TRACK CONSTRUCTION SHALL CONFORM TO SECTION 3.0, "TRACK CONSTRUCTION" OF CDS ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, LATEST EDITION, EXCEPT AS NOTED BELOW AND EXCEPT AS SHOWN ON THE DESIGN DRAWINGS.
- ALL RAIL SHALL BE NEW T19 RE RAIL.
- ALL RAIL JOISTS SHALL BE 90#10.
- DOUBLE SWITCH POINT DETAILS SHALL CONFORM TO CDS DOUBLE SWITCH POINT (GENERAL DETAIL, PAGE 3) OF CDS ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, LATEST EDITION.
- RAIL CROSSINGS SHALL CONFORM TO CDS ROAD CROSSING DETAILS, PAGE 33 OF CDS ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, LATEST EDITION.

RAIL LEGEND

- B.W. BOTTOM WIDTH
- F.B.W. FATCH WIDTH
- EXPT. EXISTING
- EXPT. HIGH DENSITY POLYETHYLENE PIPE
- WV. LL. WAGNER ELEVATION
- WV. PIPE
- LT. LEFT
- PT. POINT OF CURVATURE
- INT. INTERSECTION
- INT. POINT OF INTERSECTION
- PT. POINT OF TANGENT
- TOP OF
- W.D. WISER DRAIN & LINE NUMBER
- L.D.-1



CRA ENGINEERING GROUP INC.
 422403-R-002



PROJECT NAME: NACHURS ALPINE SOLUTIONS		DATE: NOTED
DESIGNER: JBC	RAILROAD SERVICE GENERAL NOTES	DATE: 3/19/2013
CHECKED: CDB		PROJECT NO: 422403
DATE: 4/2013		ISSUE NO: 1
APPROVED: [Signature]	DATE: 4/22/2013	PAGE: 1 OF 2

NO.	REV.	DATE	DESCRIPTION	BY	CHK	APP
1	02/18/2013		ADDED NEW NOTES TO EARTH WORK AND TRACK WORK NOTES	JBC	CDB	
2	3/2013		ADDED EARTH WORK, TRACK WORK NOTES AND RAILROAD LEGEND	JBC	CDB	
3	4/2013		ISSUED FOR CONSTRUCTION	JBC	JEN	

CONSTRUCTION DRAWINGS

NACHURS ALPINE RAIL PROJECT

4200 GEIGY ACCESS RD.
ST. GABRIEL, LOUISIANA 70776
18 DEC 2013

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SHEET TITLE	SHEET NO.
TITLE SHEET	422403-R-000
CN EXHIBIT	04-51313-001
GENERAL NOTES	422403-C-002
SITE PLAN	422403-R-001
TYPICAL SECTIONS & DETAILS	422403-R-002
CN LEAD TRACK STA. 1+00 TO STA. 10+00	422403-R-003
CN LEAD TRACK STA. 10+00 TO STA. 18+82.71	422403-R-004
NA LOADING TRACK STA. 0+00 TO STA. 9+98.26	422403-R-006
NA TAIL TRACK STA. 0+00 TO STA. 6+73.00	422403-R-008
NA YARD TRACK 1 STA. 0+00 TO STA. 9+98.26	422403-R-007
NA YARD TRACK 1 STA. 11+00 TO STA. 13+90.84	422403-R-009
NA YARD TRACK 2 STA. 0+00 TO STA. 10+94.56	422403-R-008
CN LEAD TRACK AND NA TAIL TRACK STA 1+00 TO STA. 6+00	422403-R-010
CN LEAD TRACK AND NA LOADING TRACK STA. 7+00 TO STA. 12+00	422403-R-011
CN LEAD TRACK, NA LOADING TRACK AND NA TAIL TRACK CROSS SECTIONS STA. 13+00 TO STA. 14+00 AND STA. 6+00 TO STA. 6+73	422403-R-012
NA YARD TRACK 1 AND NA YARD TRACK 2 STA. 0+00 TO STA. 5+00	422403-R-013
NA YARD TRACK 1 AND NA YARD TRACK 2 STA. 6+00 TO STA. 10+94.56	422403-R-014



SITE LOCATION MAP
SCALE: N.T.S.



SITE VICINITY MAP
SCALE: N.T.S.

STANDARD REFERENCE DRAWINGS

THE REFERENCE DRAWINGS LISTED ON THIS PLAN SHALL BE CONSIDERED A PART THEREOF, OR ENGINEERING SPECIFICATIONS FOR INDUSTRIAL TRACKS

TYPICAL CROSS SECTION DETAIL - PAGE 20
STANDARD EARTHEN BUMPER FOR END OF TRACK - PAGE 21 AND 422403-R-002
DOUBLE SWITCH POINT DETAIL - PAGE 31
ROAD CROSSING DETAILS - PAGE 32
TYPICAL GRADING AT MAINLINE TURNOUT LOCATIONS - PAGE 34
RAILROADS FOR INDUSTRIAL TRACKS - PAGE 36
CULVERT INSTALL DETAIL - PAGE 29

BENCHMARKS

BM #1
1" IN CONC. BRASS FOOTING
ELEVATION = 162.27 (PLANT ELEVATION & GRID)

BM #2
1/2" IRON PIPE
ELEVATION = 99.81 (PLANT ELEVATION & GRID)

BM #3
1/4" R. SPIKE IN GUY POLE
ELEVATION = 99.27 (PLANT ELEVATION & GRID)

FLOOD ZONE INFORMATION

THIS IS TO CERTIFY THAT THIS PROPERTY (THE SUBJECT PROPERTY OR PORTION OF SURVEYED) IS NOT WITHIN THE LIMITS OF A DESIGNATED FLOOD HAZARD AREA. THIS PROPERTY FALLS WITHIN AN "OTHER AREA", ZONE X BEING DEFINED AS, "AREAS DETERMINED TO BE OUTSIDE 100-YEAR FLOOD PLAIN" PER FEMA FIRM MAP NUMBER 220470285C DATED NOV. 8, 2013 BASED UPON OUR INTERPRETATION OF THE LOCATION OF THE FLOOD HAZARD BOUNDARY LINES IN RELATION TO THE PROPERTY LINES. NO FLOOD STUDY WAS PERFORMED FOR THIS SURVEY.

ISSUED FOR
CONSTRUCTION

SUBDIVISION: BATON ROUGE
MILE POST.: 379-380
RR STATION: GEISMAR

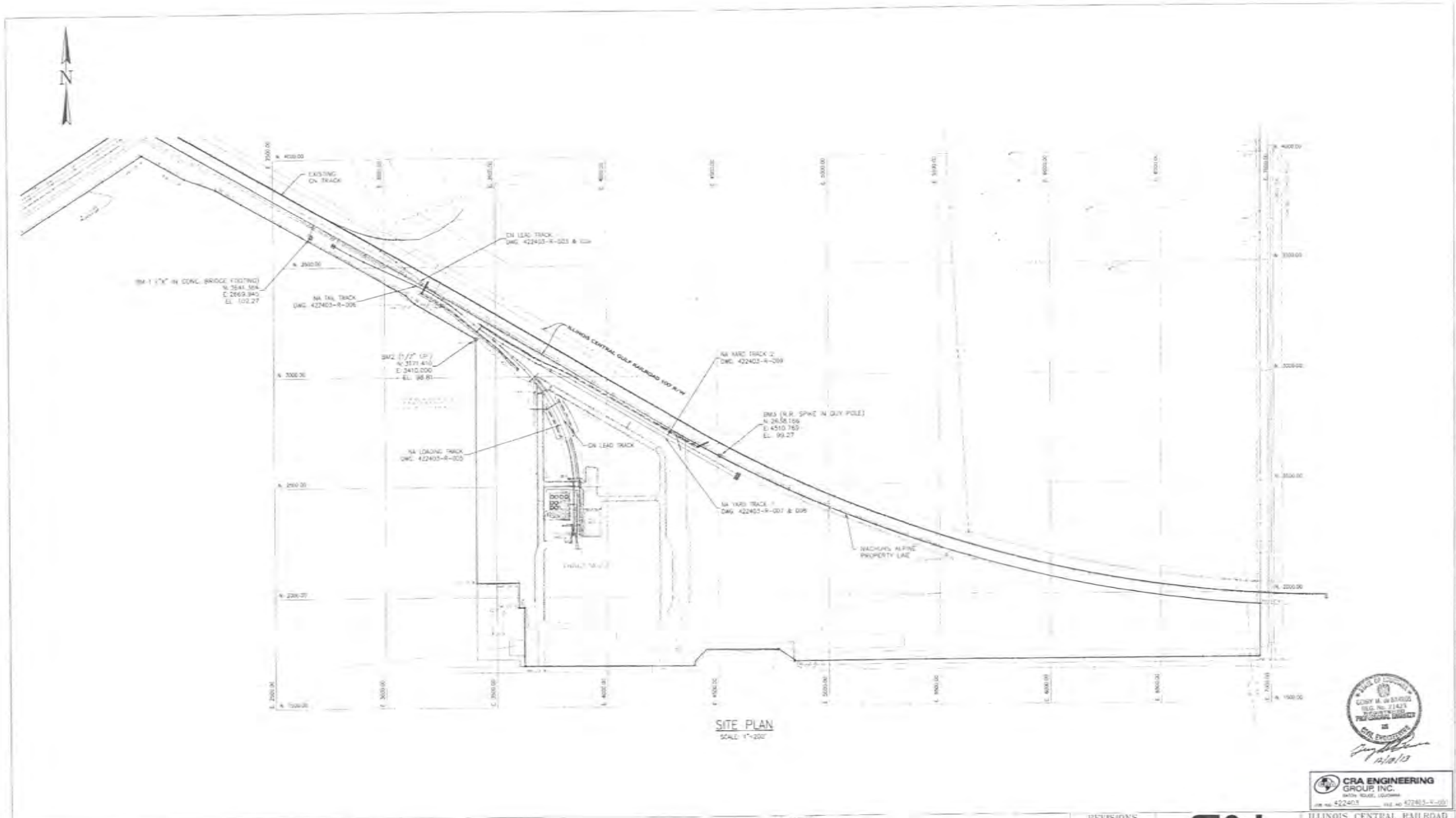
FOR CN REVIEW



SAFE DIGGING
INFORMATION
CALL BEFORE YOU DIG
1-800-272-0000



REV.	DATE	DRN.	CHK'D	REVISIONS	DESCRIPTION	APPR.
0	12/18/13	DM	GBB		ISSUED FOR CONSTRUCTION	
APPROVED	REV. #	LOCATION	TITLE			
BY	DATE	UNIT-BLDG	TITLE SHEET			
APPROVED	DATE	CHK'D				
APPROVED	DATE	CHK'D				
APPROVED	DATE	SCALE	DRAWING NO.			
APPROVED	DATE	PLOT	422403-R-000			
APPROVED	PROJ. #	TITLE				
NACHURS ALPINE RAIL PROJECT						



SITE PLAN
SCALE: 1"=200'



CRA ENGINEERING GROUP INC.
 2000 W. BRIDGE, SUITE 100
 MONROE, LA 70130
 TEL: 409-472-8033 FAX: 409-472-8034

NOTES
 1. FOR GENERAL CIVIL NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 422403-0-000

REVISIONS	DATE	BY
1	12/10/13	GWH



ILLINOIS CENTRAL RAILROAD
 CENTRAL DIVISION
 BATON ROUGE SUB
 ST. GABRIEL, LA
 TRACKAGE TO SERVE: NACHURS ALPINE SOLUTIONS
 SITE PLAN

APPROVALS

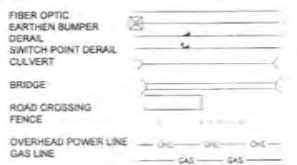
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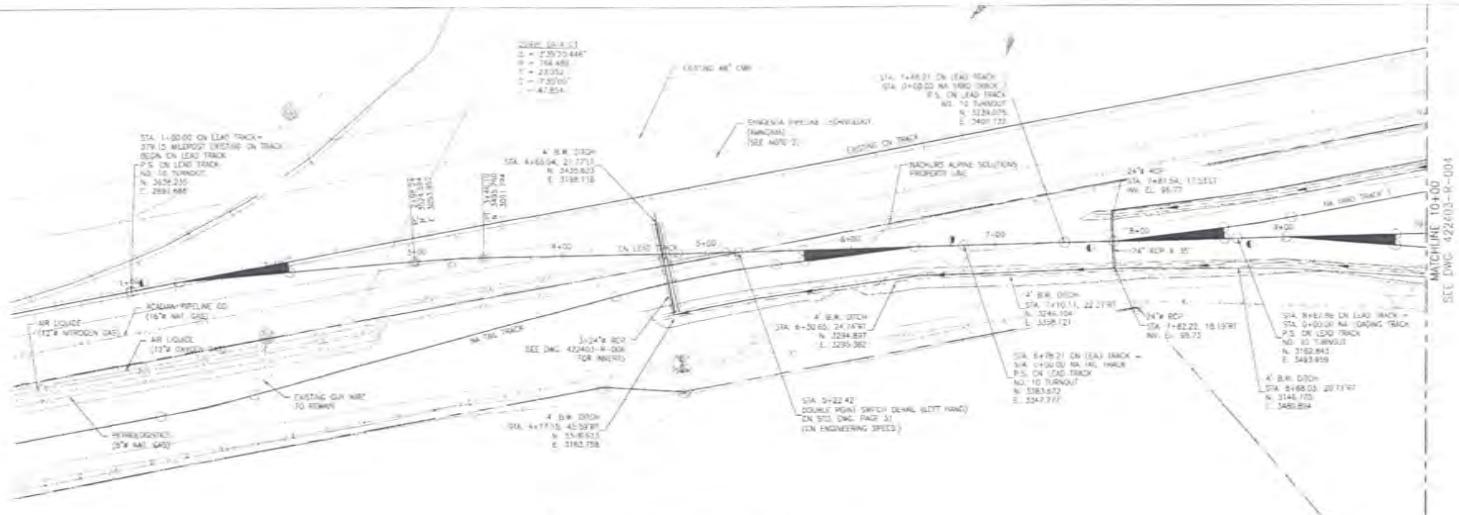
OFFICE OF DESIGN & CONSTRUCTION
 DRAWN BY: GWH SCALE: NOTED DWG NO: 422403-E-000
 CHECKED BY: GWH DATE: 09 SEPT 13 FILE:

LEGEND

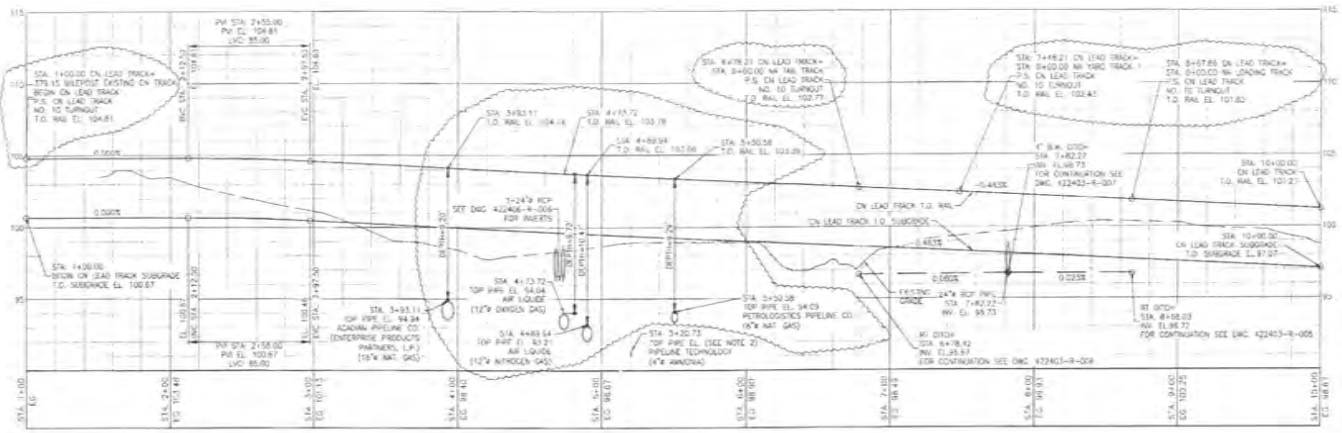
- EXISTING MAIN TRACK
- PROPOSED SIDING/SPUR TRACK
- INDUSTRY TRACK
- FUTURE TRACK
- RIGHT OF WAY
- TURNOUTS HAND THROWN POWER
- WHEEL STOP
- BUMPING POST

- FIBER OPTIC
- EARTHEN BUMPER
- DERAIL
- SWITCH POINT DERAIL
- CULVERT
- BRIDGE
- ROAD CROSSING
- FENCE
- OVERHEAD POWER LINE
- GAS LINE





CN LEAD TRACK PLAN
SCALE: 1"=40'



CN LEAD TRACK PROFILE
H SCALE: 1"=40'
V SCALE: 1"=4'

MATCHLINE 10+00
SEE DWG. 422403-9-004



CRA ENGINEERING GROUP INC.
1609 BOULEVARD
LAFAYETTE, LA 70503
TEL: 337.281.1111 FAX: 337.281.1112

LEGEND	
EXISTING MAIN TRACK	
PROPOSED SIDING/SUR TRACK	
REMOVED TRACK	
SHIFTED TRACK	
INDUSTRY TRACK	
FUTURE TRACK	
RIGHT OF WAY	
TURNOUTS HAND THROW POWER	
WHEEL STOP	
BUMPING POST	
FIBER OPTIC	
EARTHEN BUMPER	
DERAIL	
SWITCH POINT DERAIL	
CULVERT	
BRIDGE	
BUILDING	
FENCE	
OVERHEAD POWER LINE	
GAS LINE	

NOTES
1. SEE GENERAL CIVIL NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 422403-C-000
2. TURNOUTS PROBES 12 FEET DEEP AND DO NOT LOCATE PURLIN

REVISIONS	
DATE	BY
12/18/13	GWH

APPROVALS	

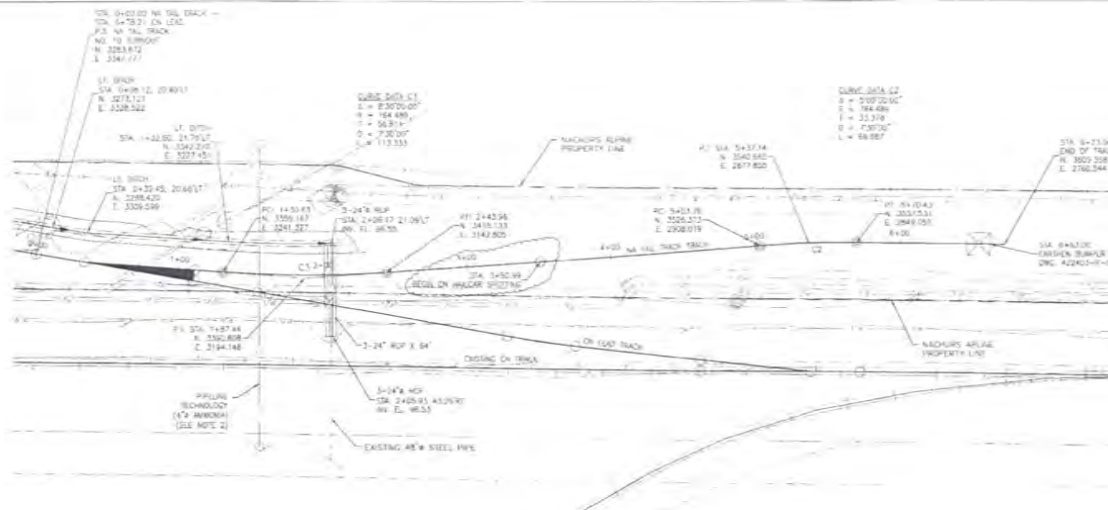
SOUTHERN REGION

ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE SUB
ST. GABRIEL LA.

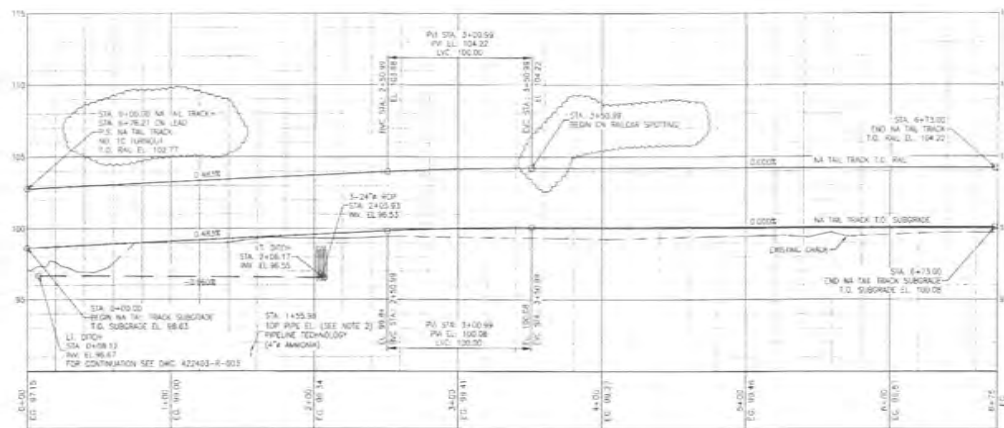
TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
CN LEAD TRACK
PLAN AND PROFILE
STA. 1+00 TO STA. 10+00

OFFICE OF DESIGN & CONSTRUCTION

SHEET **422403-9-004** DRAWN BY: GWH SCALE: NOTED DWG NO: 422403-9-000
OF CHECKED BY: GWH DATE: 09 SEPT 13 FILE:



NA TAIL TRACK PLAN
SCALE: 1"=40'



REVISIONS	
DATE	BY
12/18/13	GWH
APPROVALS	
SHEET OF	

ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE SUB
ST. GABRIEL, LA.

TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
NA TAIL TRACK
PLAN AND PROFILE
STA. 0+00 TO STA. 6+73.00

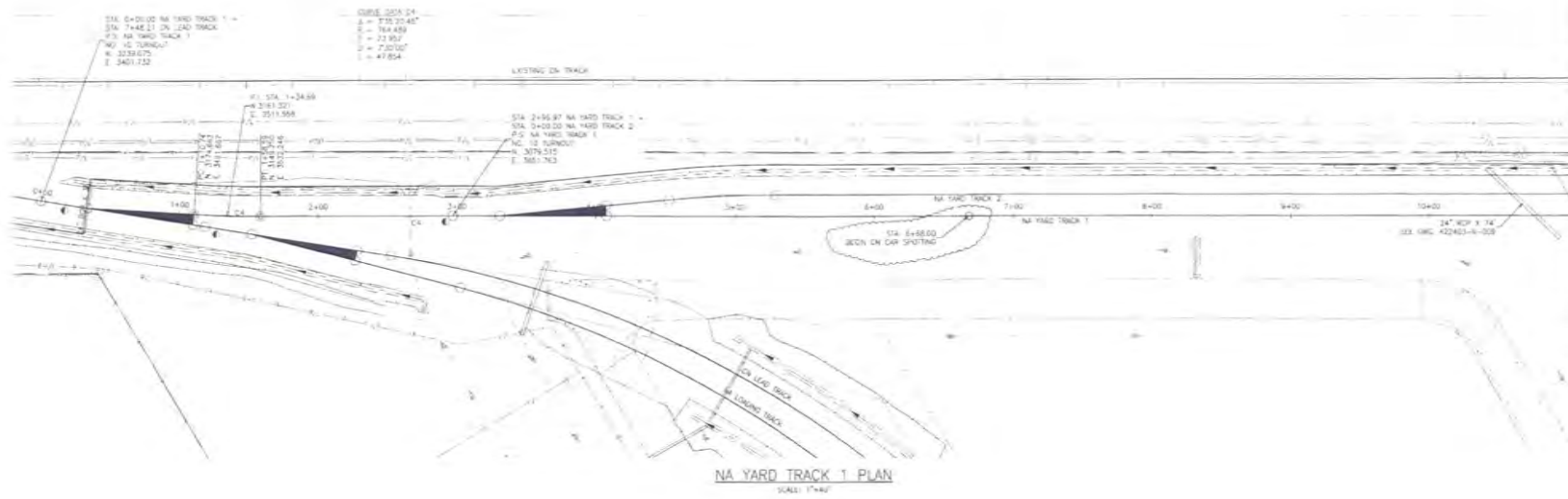
OFFICE OF DESIGN & CONSTRUCTION
DRAWN BY: GWH SCALE: NOTED DWG NO: 422405-R-006
CHECKED BY: GWH DATE: 09 SEPT 13 FILE

LEGEND	
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PROPOSED SIDING/SPUR TRACK	
REMOVED TRACK	
SHIFTED TRACK	
INDUSTRY TRACK	
FUTURE TRACK	
RIGHT OF WAY	
TURNOUTS HAND THROWN/POWER	
WHEEL STOP	
BUMPING POST	

FIBER OPTIC	
EARTHEN BUMPER	
DERAIL	
SWITCH POINT DERAIL	
CULVERT	
BRIDGE	
BUILDING	
FENCE	
OVERHEAD POWER LINE	
GAS LINE	

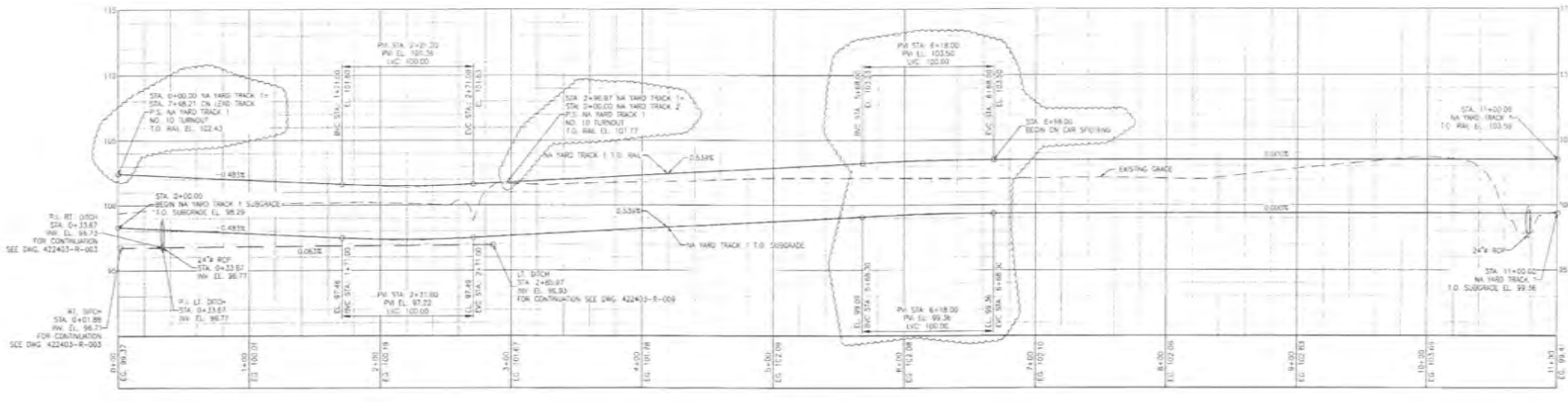
NOTES:

- FOR GENERAL CIVIL NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 422405-C-002
- GRAVITY PROPOSED 12 FEET DEEP AND DOES NOT LOCATE PARALLEL.



NA YARD TRACK 1 PLAN
SCALE: 1"=40'

MATCH LINE STA. 11+00
SEE DRAWING 422403-R-008



NA YARD TRACK 1 PROFILE
H SCALE: 1"=40'
V SCALE: 1"=4'



CRA ENGINEERING
GROUP INC.
1000 N. WILSON
CHICAGO, IL 60642
PH: 312.424.4242 FAX: 312.424.4243

LEGEND:

EXISTING MAIN TRACK	
PROPOSED SIDING/SPUR TRACK	
REMOVED TRACK	
SHIFTED TRACK	
INDUSTRY TRACK	
FUTURE TRACK	
RIGHT OF WAY	
TURNOUTS HAND THROWN/POWER	
WHEEL STOP	
BUMPING POST	

FIBER OPTIC	
EARTHEN BUMPER	
DERAIL	
SWITCH POINT DERAIL	
CULVERT	
BRIDGE	
BUILDING	
FENCE	
OVERHEAD POWER LINE	
GAS LINE	

NOTES:
1. FOR GENERAL CIV. NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 422403-C-002

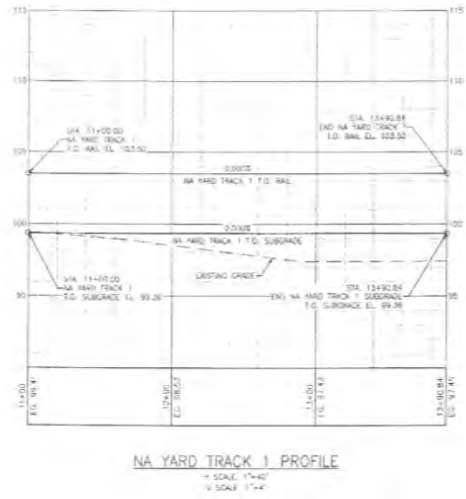
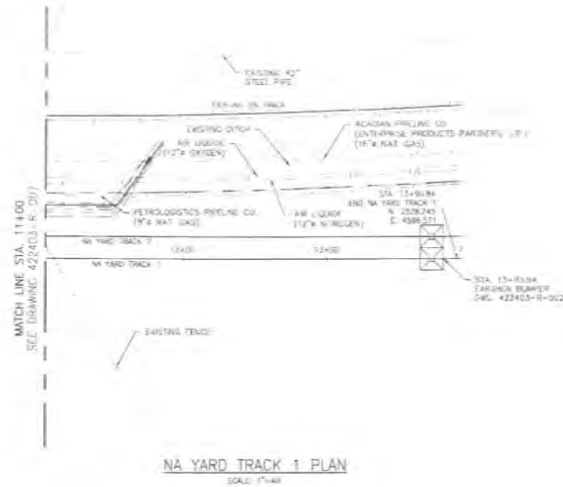
REVISIONS	DATE	BY
1	12/18/13	GWJ
APPROVALS:		
SHEET OF		

CRA ENGINEERING
SOUTHERN REGION

ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE SUB
ST. GABRIEL, LA.

TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
NA YARD TRACK 1
PLAN AND PROFILE
STA. 0+00 TO STA. 11+00

OFFICE OF DESIGN & CONSTRUCTION
DRAWN BY: GWJ SCALE: NOTED
CHECKED BY: GMB DATE: 09 SEPT 13 FILE: 10/13/13



LEGEND:

EXISTING MAIN TRACK	
PROPOSED SIDING/SPUR TRACK	
REMOVED TRACK	
SHIFTED TRACK	
INDUSTRY TRACK	
FUTURE TRACK	
RIGHT OF WAY	
TURNOUTS HAND THROWN/POWER	
WHEEL STOP	
BUMPING POST	

FIBER OPTIC	
EARTHEN BUMPER	
SIGNAL	
SWITCH POINT DERAIL	
CULVERT	
BRIDGE	
BUILDING	
FENCE	
OVERHEAD POWER LINE	
GAS LINE	

NOTES

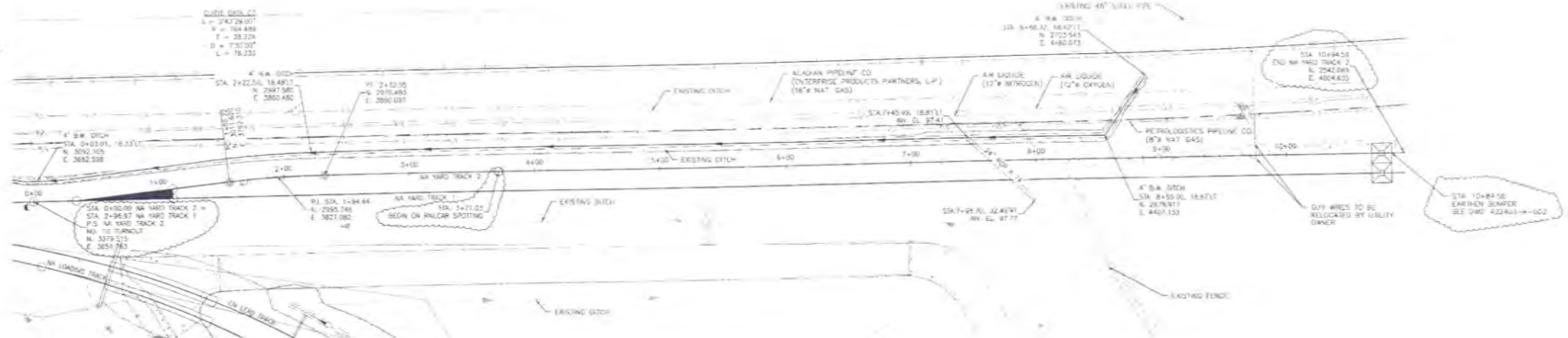
1. FOR GENERAL CIVIL NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 422403-C-002

REVISIONS	DATE	BY
	12/18/13	GWH
APPROVALS		
SHEET	DRAWN BY: GWH	SCALE: NOTED
OF	CHECKED BY: GWH	DATE: 09 SEPT 13

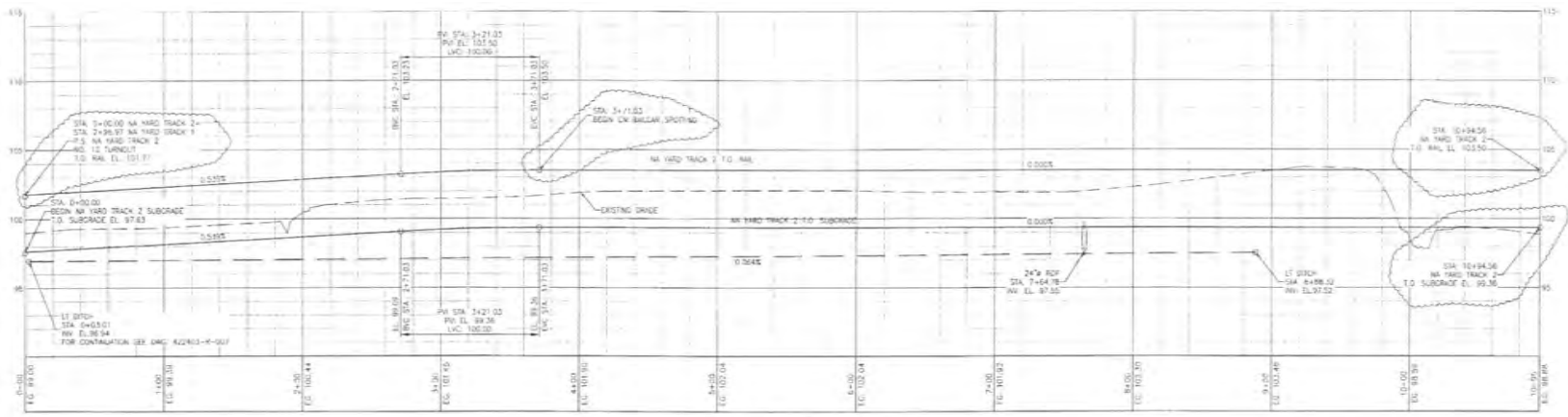
ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE SUB
ST. GABRIEL, LA.

TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
NA YARD TRACK 1
PLAN AND PROFILE
STA. 11+00 TO STA. 13+90.84

OFFICE OF DESIGN & CONSTRUCTION
DWG NO: 422403-R-006
FILE:



NA YARD TRACK 2 PLAN
SCALE 1"=40'



NA YARD TRACK 2 PROFILE
H SCALE 1"=40'
V SCALE 1"=4'



CRA ENGINEERING
GROUP, INC.
3000 BIRCHWOOD, CHICAGO, IL 60641
TEL: 773-225-5500 FAX: 773-225-5501

LEGEND

EXISTING MAIN TRACK	—————
PROPOSED SIDING/SPUR TRACK	- - - - -
REMOVED TRACK
SHIFTED TRACK
INDUSTRY TRACK
FUTURE TRACK
RIGHT OF WAY	—————
TURNOUTS HAND THROWN/POWER	—————
WHEEL STOP	—————
BUMPING POST	—————

FIBER OPTIC	—————
EARTHEN BUMPER	—————
DERAIL	—————
SWITCH POINT DERAIL	—————
CULVERT	—————
BRIDGE	—————
BUILDING	—————
FENCE	—————
OVERHEAD POWER LINE	—————
GAS LINE	—————

NOTES
1. FOR GENERAL, CIVIL NOTES AND GENERAL TRACK WORK NOTES SEE DWG. 42243-C-002.

REVISIONS	
DATE	BY
12/16/13	HW

APPROVALS	

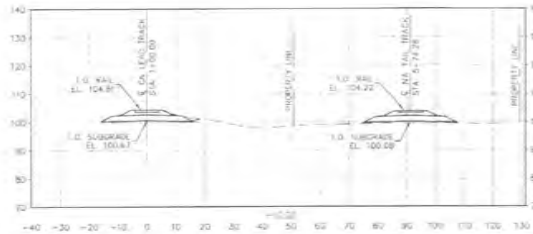
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OF				

ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE, LA
ST. GABRIEL, LA

SOUTHERN REGION

TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
NA YARD TRACK 2
PLAN AND PROFILE
STA. 0+00 TO STA. 10+94.56

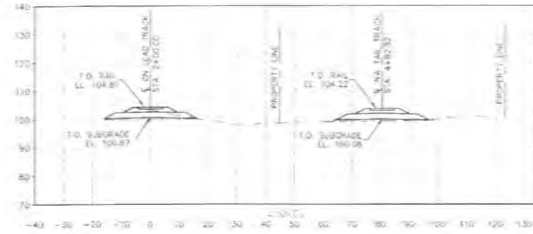
OFFICE OF DESIGN & CONSTRUCTION
121100-E-009



BALLAST AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	49.28	0.00	0.00

SUB-BALLAST AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	112.00	0.00	0.00

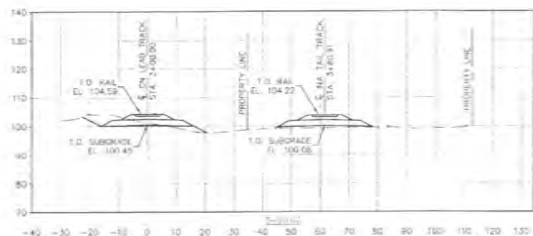
EARTHWORK AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	23.53	0.00	0.00
DITCH FILL	15.15	0.00	0.00



BALLAST AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	49.75	174.21	174.21

SUB-BALLAST AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	112.88	388.70	388.70

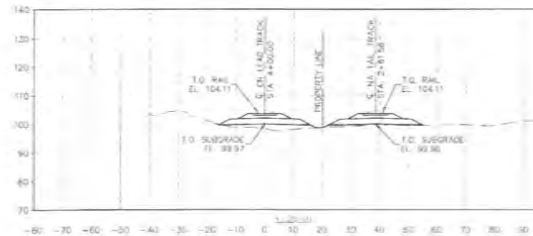
EARTHWORK AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	46.53	133.27	133.27
DITCH FILL	17.62	55.93	55.93



BALLAST AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	48.80	184.43	318.24

SUB-BALLAST AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	113.00	418.43	817.67

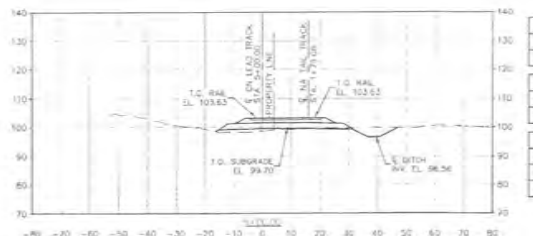
EARTHWORK AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	54.73	150.48	128.76
DITCH FILL	22.58	63.56	149.29



BALLAST AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	50.23	181.87	548.51

SUB-BALLAST AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	113.77	413.24	1030.71

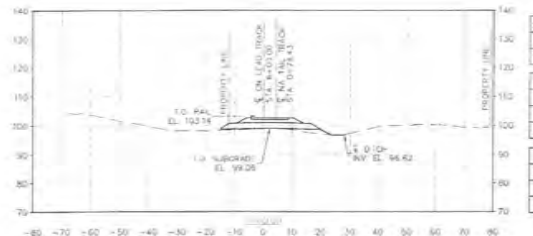
EARTHWORK AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	0.11	106.00	434.78
DITCH FILL	37.54	144.73	314.01



BALLAST AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	34.16	157.53	697.84

SUB-BALLAST AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	85.69	371.23	1407.96

EARTHWORK AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	25.41	65.76	569.52
DITCH FILL	27.49	146.76	462.40



BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	24.71	110.12	807.98

SUB-BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	63.31	277.78	1679.25

EARTHWORK AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	0.78	67.62	587.54
DITCH FILL	17.60	71.37	537.64



CRA ENGINEERING GROUP INC.
 1111 N. WASHINGTON ST.
 CHICAGO, IL 60610
 TEL: 312.231.7700
 FAX: 312.231.7701
 WWW.CRA-ENGINEERING.COM

REVISIONS
 DATE BY
 12/10/13 GWH



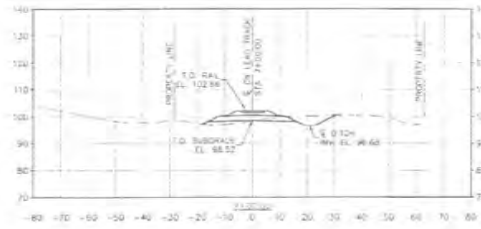
ILLINOIS CENTRAL RAILROAD
 CENTRAL DIVISION
 BATON ROUGE SUB
 ST. GABRIEL, LA.

TRACKAGE TO SERVE:
 CN LEAD TRACK AND NA TAIL TRACK
 CROSS SECTIONS
 STA 1+00 TO STA. 6+00

APPROVALS

OFFICE OF DESIGN & CONSTRUCTION
 SHEET 07 DRAWN BY: GWH SCALE: NOTED CHECKED BY: GWH DATE: 09 SEPT 13 DRG NO: 42400-B-016

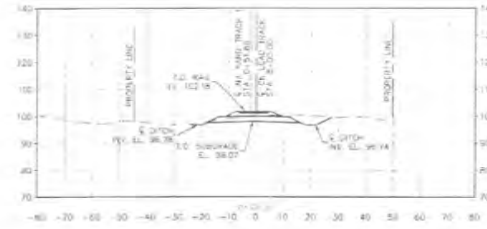
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EXISTING MAIN TRACK	—————
PROPOSED SIDING/SPUR TRACK	—————
REMOVED TRACK	-----
SHIFTED TRACK	-----
INDUSTRY TRACK	-----
FUTURE TRACK	-----
RIGHT OF WAY	=====
TURNOUTS HAND THROWN/POWER	=====
WHEEL STOP	=====
BUMPING POST	=====
FIBER OPTIC	=====
EARTHEN BUMPER	=====
DERAIL	=====
SWITCH POINT DERAIL	=====
CULVERT	=====
BRIDGE	=====
BUILDING	=====
FENCE	=====
OVERHEAD POWER LINE	=====
GAS LINE	=====



BALLAST AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	20.56	87.66	881.44

SUB-BALLAST AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	16.00	223.90	2102.70

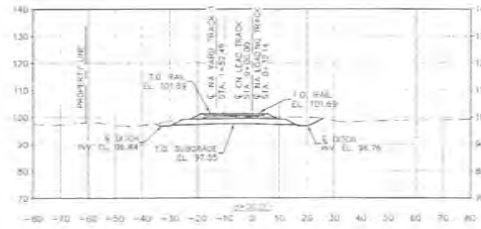
EMBANKMENT AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	52.40	98.60	686.14
DITCH FILL	17.30	63.86	135.74



BALLAST AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	22.16	78.74	910.18

SUB-BALLAST AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	58.70	214.26	2314.96

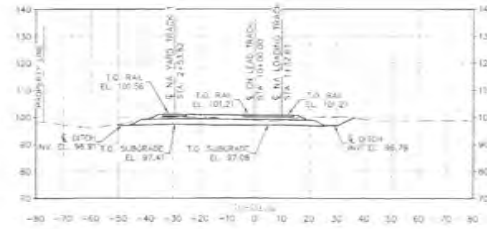
EMBANKMENT AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	97.67	277.65	943.76
DITCH FILL	0.00	0.00	627.66



BALLAST AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	31.20	100.88	1070.88

SUB-BALLAST AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	83.40	255.32	2574.49

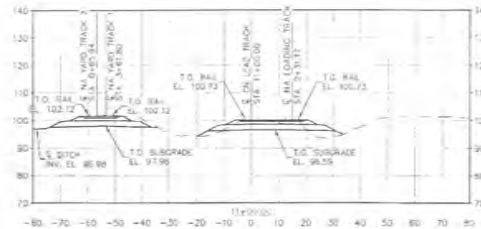
EMBANKMENT AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	140.88	444.33	1385.14
DITCH FILL	0.00	0.00	627.96



BALLAST AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	57.60	239.36	1310.27

SUB-BALLAST AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	158.38	473.24	2875.73

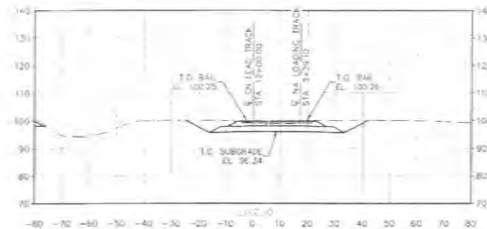
EMBANKMENT AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	192.89	618.23	2002.39
DITCH FILL	0.00	0.00	627.96



BALLAST AT STA. 11+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	15.19	221.87	1630.79

SUB-BALLAST AT STA. 11+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	151.70	547.51	3227.25

EMBANKMENT AT STA. 11+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	186.83	716.97	2722.36
DITCH FILL	34.97	63.59	687.55



BALLAST AT STA. 12+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	44.87	225.32	1851.21

SUB-BALLAST AT STA. 12+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	85.39	459.61	3867.06

EMBANKMENT AT STA. 12+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	277.14	108.54	3490.96
DITCH FILL	0.00	63.56	755.11



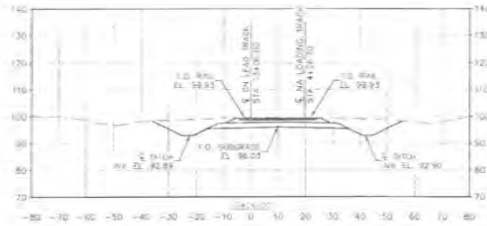
LEGEND	
EXISTING MAIN TRACK	
PROPOSED SIDING/SPUR TRACK	
REMOVED TRACK	
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SWITCH POINT DERAIL	
CULVERT	
BRIDGE	
BUILDING	
FENCE	
OVERHEAD POWER LINE	
GAS LINE	

REVISIONS	
DATE	BY
12/18/13	GWII

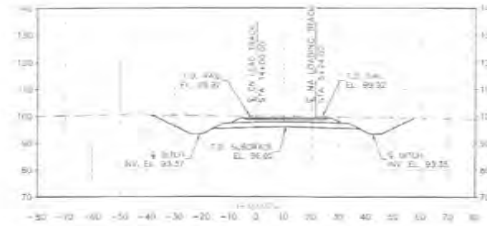
APPROVALS	
SHEET	DRAWN BY: GWII
OF	CHECKED BY: G490

CN
SOUTHERN REGION
TRACKAGE TO SERVE:
CN LEAD TRACK AND NA LOADING TRACK
CROSS SECTIONS
STA. 7+00 TO STA. 12+00
OFFICE OF DESIGN & CONSTRUCTION
DRAWN BY: GWII SCALE: NOTED DWG NO: 42400-R-011
CHECKED BY: G490 DATE: 09 SEPT 13

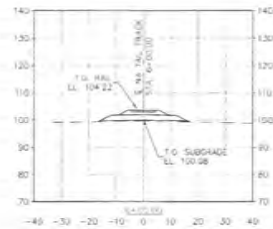
ILLINOIS CENTRAL RAILROAD
CENTRAL DIVISION
BATON ROUGE SUB
ST. GABRIEL, LA.



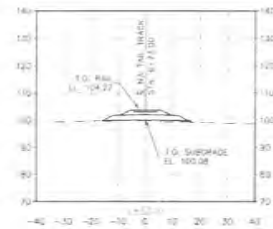
BALLAST AT STA. 13+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	46.50	188.76	2074.07
SUB-BALLAST AT STA. 13+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	34.47	344.25	4318.31
EARTHWORK AT STA. 13+00.00			
Material Name	Area	Volume	Cumulative Volume
CUT/EM CUT	55.66	1024.41	4333.25
DATUM FILL	0.00	0.00	100.11



BALLAST AT STA. 14+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	47.83	172.48	2396.34
SUB-BALLAST AT STA. 14+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	36.10	357.79	4054.12
EARTHWORK AT STA. 14+00.00			
Material Name	Area	Volume	Cumulative Volume
CUT/EM CUT	412.00	1409.05	5945.29
DATUM FILL	0.00	0.00	383.19



BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	28.93	0.00	0.00
SUB-BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	56.00	0.00	0.00
EARTHWORK AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
CUT/EM CUT	0.00	0.00	0.00
DATUM FILL	13.76	0.00	0.00



BALLAST AT STA. 6+73.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	28.63	19.21	19.21
SUB-BALLAST AT STA. 6+73.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	56.30	151.40	151.40
EARTHWORK AT STA. 6+73.00			
Material Name	Area	Volume	Cumulative Volume
CUT/EM CUT	0.03	0.04	0.04
DATUM FILL	10.01	32.80	32.80



CRA ENGINEERING GROUP INC.
 3075 W. BRIDGE BLVD.
 SUITE 400
 MONROE, LA 70133
 TEL: 225-335-1111 FAX: 225-335-1112

LEGEND:	
EXISTING MAIN TRACK	FIBER OPTIC
PROPOSED SIDING/SPUR TRACK	EARTHEN BUMPER
REMOVED TRACK	DERAIL
SHIFTED TRACK	SWITCH POINT DERAIL
INDUSTRY TRACK	CULVERT
FUTURE TRACK	BRIDGE
RIGHT OF WAY	BUILDING
TURNOUTS-HAND THROWN/POWER	FENCE
WHEEL STOP	OVERHEAD POWER LINE
BUMPING POST	GAS LINE

REVISIONS	DATE	BY
	12/16/13	GWH

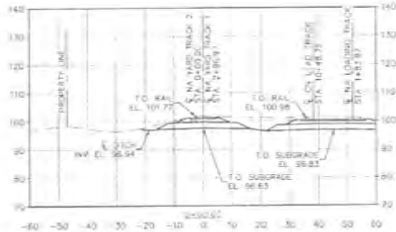
APPROVALS

SHEET 01P DRAWN BY: GWH SCALE: NOTED DWG NO: 428400-R-012
 CHECKED BY: GWH DATE: 09-SEPT-13

ILLINOIS CENTRAL RAILROAD
 CENTRAL DIVISION
 BATON ROUGE SUB
 ST. GABRIEL, LA.

SOUTHERN REGION
NACHURS ALPINE SOLUTIONS
 CN LEAD TRACK, NA LOADING TRACK AND
 NA TAIL TRACK CROSS SECTIONS
 STA. 13+00 TO STA. 14+00 AND
 STA. 6+00 TO STA. 6+73

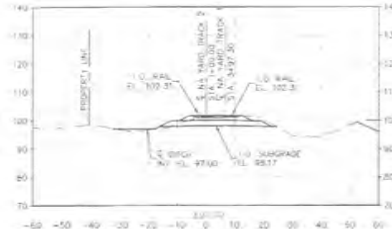
OFFICE OF DESIGN & CONSTRUCTION



BALLAST AT STA. 0+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	81.96	0.00	0.00

SUB-BALLAST AT STA. 0+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	123.14	0.00	0.00

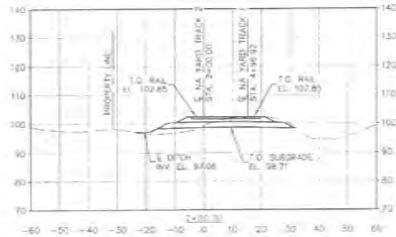
EARTHWORK AT STA. 0+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	715.14	0.00	0.00
DITCH FILL	0.00	0.00	0.00



BALLAST AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	52.01	188.54	188.54

SUB-BALLAST AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	89.50	375.16	563.70

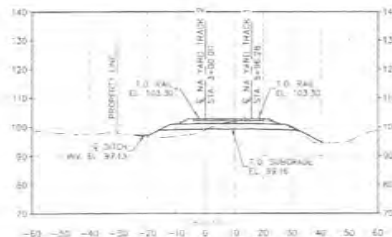
EARTHWORK AT STA. 1+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	116.62	834.15	950.77
DITCH FILL	10.00	18.27	969.04



BALLAST AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	41.51	170.63	359.17

SUB-BALLAST AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.53	357.57	716.74

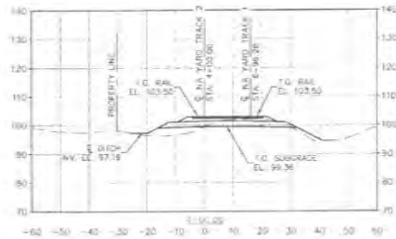
EARTHWORK AT STA. 2+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	87.22	374.04	1090.78
DITCH FILL	26.59	58.66	1149.44



BALLAST AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	45.87	180.88	540.05

SUB-BALLAST AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.50	372.57	912.62

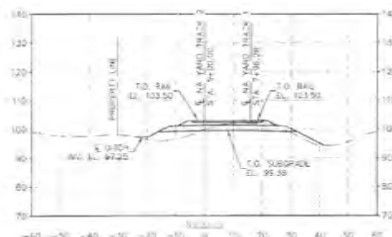
EARTHWORK AT STA. 3+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	68.56	282.75	1295.37
DITCH FILL	47.48	127.87	1423.24



BALLAST AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.88	188.63	728.68

SUB-BALLAST AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	375.93	1104.61

EARTHWORK AT STA. 4+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	61.51	236.85	1341.46
DITCH FILL	53.23	188.52	1530.00



BALLAST AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	187.02	915.70

SUB-BALLAST AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	375.93	1291.63

EARTHWORK AT STA. 5+00.00			
Material Name	Area	Volume	Cumulative Volume
DITCH CUT	61.97	228.54	1520.17
DITCH FILL	53.67	195.75	1715.92



CRA ENGINEERING GROUP INC.
 4800 N. RIVER ST.
 ST. LOUIS, MISSOURI 63114
 REG. NO. 21422
 PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 12/18/13

LEGEND	
EXISTING MAIN TRACK	—————
PROPOSED SIDING/SPUR TRACK	—————
SHIFTED TRACK	—————
INDUSTRY TRACK	—————
FUTURE TRACK	—————
RIGHT OF WAY	—————
TURNOUTS HAND THROWN/POWER	—————
WHEEL STOP	—————
BUMPING POST	—————
FIBER OPTIC	—————
EARTHEN BUMPER	—————
DERAIL	—————
SWITCH POINT DERAIL	—————
CULVERT	—————
BRIDGE	—————
BUILDING	—————
FENCE	—————
OVERHEAD POWER LINE	—————
GAS LINE	—————

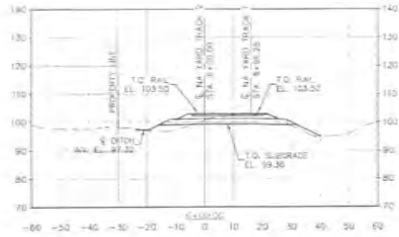
REVISIONS	
DATE	BY
12/18/13	GW

APPROVALS	

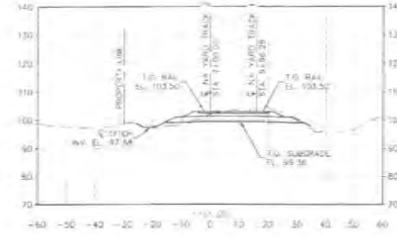
ILLINOIS CENTRAL RAILROAD
 CENTRAL DIVISION
 BATON ROUGE SUB
 ST. GABRIEL LA.

TRACKAGE TO SERVE:
 NACHURS ALPINE SOLUTIONS
 NA YARD TRACK 1 AND NA YARD TRACK 2
 CROSS SECTIONS
 STA. 0+00 TO STA. 5+00

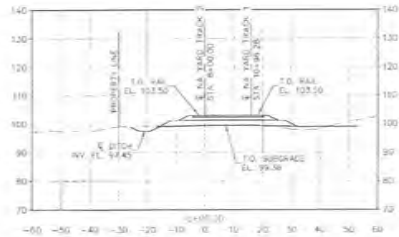
OFFICE OF DESIGN & CONSTRUCTION
 DRAWN BY: GWB
 CHECKED BY: GdB
 DATE: 09 SEPT 13
 DWG. NO: 425403-B-013



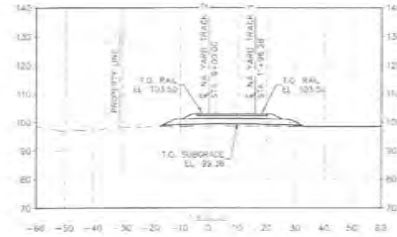
BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	974.70
SUB-BALLAST AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	325.43	1441.16
EMBANKMENT AT STA. 6+00.00			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	83.63	269.33	2215.78
DATUM FILL	35.77	142.56	796.65



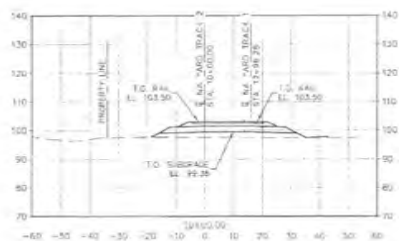
BALLAST AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	1135.29
SUB-BALLAST AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	325.43	2080.11
EMBANKMENT AT STA. 7+00.00			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	120.43	363.25	2928.63
DATUM FILL	11.20	45.72	855.90



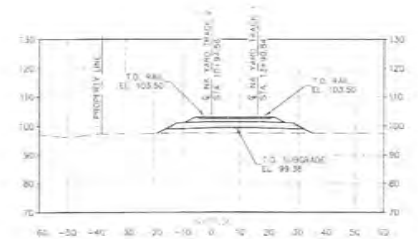
BALLAST AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	1296.97
SUB-BALLAST AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	325.53	2615.24
EMBANKMENT AT STA. 8+00.00			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	27.77	89.42	2896.55
DATUM FILL	14.59	47.75	321.55



BALLAST AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	1459.70
SUB-BALLAST AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	325.53	2942.96
EMBANKMENT AT STA. 9+00.00			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	0.00	0.00	2942.96
DATUM FILL	33.48	88.98	324.24



BALLAST AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	1621.43
SUB-BALLAST AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST FILL	88.00	325.63	2946.93
EMBANKMENT AT STA. 10+00.00			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	0.00	0.00	2946.93
DATUM FILL	89.38	227.49	3219.63



BALLAST AT STA. 10+94.56			
Material Name	Area	Volume	Cumulative Volume
BALLAST FILL	43.66	161.69	1774.33
SUB-BALLAST AT STA. 10+94.56			
Material Name	Area	Volume	Cumulative Volume
SUB-BALLAST CUT	0.00	0.00	0.00
SUB-BALLAST FILL	88.00	325.58	3100.00
EMBANKMENT AT STA. 10+94.56			
Material Name	Area	Volume	Cumulative Volume
DATUM CUT	0.00	0.00	3100.00
DATUM FILL	84.18	210.92	3310.92



CRA ENGINEERING GROUP INC.
 2221 N. 48th Street
 Skokie, IL 60077
 (847) 471-1111

LEGEND:

- EXISTING MAIN TRACK
- PROPOSED SIDING/SPUR TRACK
- REMOVED TRACK
- SHIFTED TRACK
- INDUSTRY TRACK
- FUTURE TRACK
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- OVERHEAD POWER LINE
- GAS LINE

REVISIONS	DATE	BY
1	12/18/13	GRW

APPROVALS

ILLINOIS CENTRAL RAILROAD
 CENTRAL DIVISION
 BATON ROUGE SUB
 ST. GABRIEL, LA.

TRACKAGE TO SERVE:
NACHURS ALPINE SOLUTIONS
 NA YARD TRACK 1 AND NA YARD TRACK 2
 CROSS SECTIONS
 STA. 6+00 TO STA. 10+94.56

OFFICE OF DESIGN & CONSTRUCTION
 SHEET DRAWN BY: GRW SCALE: NOTED DWG NO: 023003-R-014
 OF CHECKED BY: GPH DATE: 09 SEPT 13