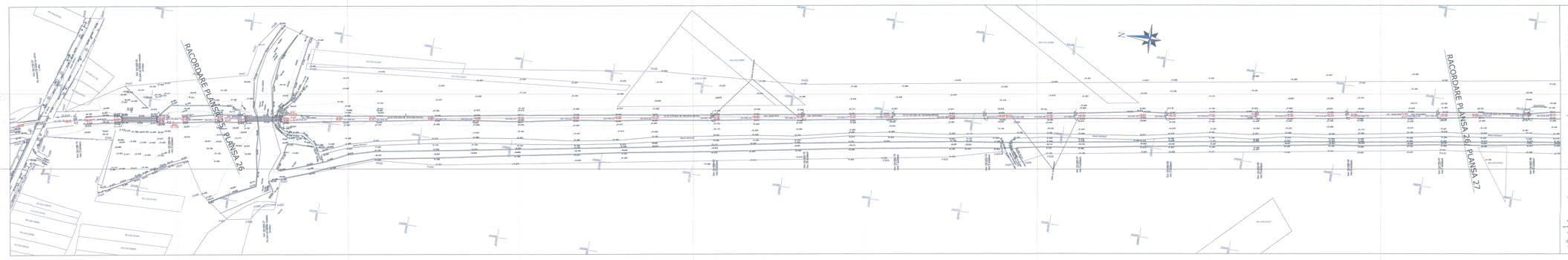

LEGENDA/LEGEND

BORNA RETER DE INGHEIERIE/
BENCHMARK OF THE GEODESIC NETWORK
BORNA RETER DE NIVELMENT/
REFERENCE NIVEL LEVEL
BORNA RETER DE NIVELMENT/
REFERENCE TRIGNEAL LEVEL
CABLU DE FIBRA OPTICA/ OPTICAL
FIBER WIRE/KABEL MIT FIBEROPTIK
SEMN/ SIGN CFF
CABLU DE TELECOM/ THE RAILWAY WIRE/
BEIERNE CABLE
CABLU MENSIONAT/
MEASURED CABLE/ KABEL MIT
OPTICAL FIBER MENSIONAT
FIAPA CABLULUI/
CABLE PLUG/
CUTTE CABLE/
CABLE CUTTER
COLCONA CONVERSIEI/
CONVERSION COLUMN/
HARTA DE SEGMENTARE/
SURVEY MAPS
STALP MARCAJ DE STALP/
LEAFY SIGNAL ON POLE
SEMNAL LUMINOS RITIC/
LIGHTED SIGNAL/ LICHTSIGNAL
AVERTIZOR PENTRU TRECERE LA NIVEL/
WARNING DEVICE FOR LEVEL CROSSING
BASEBALL
CAMP DE SPORT/
SPORTS FIELD
CENTRU
CENTRE/ ZENTRUM
GAZ PORT/ GAS
CAMIN DE VIZITARE TELEFON/
TELEPHONE MANHOLE
CAMIN DE VIZITARE (FIBRA)/
FIBER MANHOLE
ELIPSA DE ATENUARE (GRAD.CEAR)/
ATTENUATION ELLIPSE (GRADED)
CAMIN DE VIZITARE APA/
WATER MANHOLE
GAZ/ GAS
GAZ TELLICE/
PIESEU ELECTRIC/
ELECTRIC POLE
VEGHEATE/
HEDGE
GEIGERU/
GEIGER
EVATORU/
EVAPORATOR
FOUNTAIN
CASCADA FOUNTAIN/
ROCA/
ROCK
STALP ROMATU/
ROMAN POLE
CAPITOR CF/
CF CAPACITOR
SCAUN STALPI DE SEMNFORI/
SIGNALLING POLE SEAT
INSULATORE SEMF/
SIGNAL POLE INSULATOR
KUL / VIRS CAPAND/
SCHIMBATOR TIP US TRAVERSA/
US TYPE SWITCHER
SUALA/ CREPUSCULARE ELECTROSEMNALE/
SWITCH ELECTROSEMNALE CREPUSCULAR
PIESE ELECTRICA TRANSFORMA/
POLE ELECTRICAL TRANSFORMER
ROSU/ RED
ROSU SEMN

PUNCT INGHEIU/
INGEIGERS POINT
ETAPA/
STAGE
SCHIMBATORE DE CALE/
SWITCH
STALP FOR LUMINI
NODE POLE
STALP PIESE METEN/
CONCRETE POLE
STALP FER METAL/
METAL POLE
LUMINARE PE ALIE/
LIGHT ON THE ROPE
STALP SALA TE TRANSFRE/
TRANSFER HALL POLE
STALP BUETRU BETON/
CONCRETE ELECTRIC POLE
STALP PIESE ELECTRICE/
METALLIC ELECTRIC POLE
BOLA DE SEMNAL/
SIGNAL BALL/ SIGNALBALL
INTIRZIERI CAMIN DE CONTACT/
CONTACT MANHOLE
VINCEVA AUSTERIRE STALPI/
STALP ROMATU
LEERTI STALI CFR INTIRLAZUTI/
LEERTEI CFR AREA INCLUDED
LEERTI/ LEERTI
LEERTI
SUPRAFATA NECESARA PROSPECTIUNI/
SURFACE NECESSARY FOR SURVEY
CASATRE AEREAN/
AERIAL CABLE
AA CFF/
CFF AA LINE
TRAIAN BETON/
SOIL SLURY
SOL SLURY
SOL SLURY SAVIA
SUART DE BURUSERA I ARILLER SUB-
SOIL SLURY
SUART DE BURUSERA I ARILLER DIN
SOIL SLURY
GAURI DIN BETON/
HOLES FROM CONCRETE
GAURI DIN GRANIT/
HOLES FROM GRANITE
GAURI DIN METAL/
HOLES FROM METAL
GAURI DIN PLASTIC/
HOLES FROM PLASTIC
GAURI DIN SAMAN/
HOLES FROM WOOD
GAURI DIN ZIDARIE/
HOLES FROM MASONRY
GAURI DIN PLASTIC/
HOLES FROM PLASTIC
GP SYNJ/
GP SYNJ
GP SYNJ/
GP SYNJ
RADIALI/
RADIALS
RADIALI/
RADIALS
ROSU/
RED

CERTIFICAT DE AUTORIZARE A ACADEMIEI ROMÂNE
Nr. AR - 1123 / 2015
Marin Gina
ORIGINALUL

NOTA: SISTEMUL DE PROIECTARE FOLOSIT ESTE STEREOGRAFIC 1970
SISTEM DE REFERINTA PENTRU COTE "0" MAREA NEAGRA 1975

NOTE: STEREOGRAPHIC PROJECT SYSTEM 1970
REFERENCE SYSTEM FOR OUOTES "0" BLACK SEA 1975

PROIECT FINANTAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

GUVERNUL ROMANIEI
GOVERNMENT OF ROMANIA

CONTRACTOR:
CORPORATIA NAZIONALA DE CAI FERATE "CL.F.R." S.A.
ROMANIAN RAILWAY NATIONAL COMPANY

BENEFICIAR/ BENEFICIARY

PROIECTANT/ DESIGNER

acciona

ASOCIERE/ ASSOCIATION

ASOCIERE ASOCIATA CAILE DE BUCUREST EST/CL.A S.A.-SUCURSALA NORD-OUASTI NORD-PROIECTARE
C.A.F.E. - ASOCIERE ASOCIATA CAILE FERATE ROMANE - CONSULTANTA ENERGIE
STUDIO DE INGINERIE PENTRU SISTEME DE TRANSPORT - SUCURSALA NORD-OUASTI
ACCIONA - SUCURSALA NORD-OUASTI - SUCURSALA NORD-OUASTI
ARUP - SUCURSALA NORD-OUASTI - SUCURSALA NORD-OUASTI
SUCURSALA NORD-OUASTI - SUCURSALA NORD-OUASTI
RAILWAY EAST BRANCH BUCHAREST NORD-ARUPRA CAETI FERATE ROMANE - SUCURSALA NORD-OUASTI

PROJECT DIRECTOR / DIRECTOR OF PROJECT: Ing. Ion Ghe. Ionescu
PROJECT MANAGER / MANAGER DE PROIECT: Ing. Ion Ghe. Ionescu
DIRECTOR DE PROIECTARE / DESIGN DIRECTOR