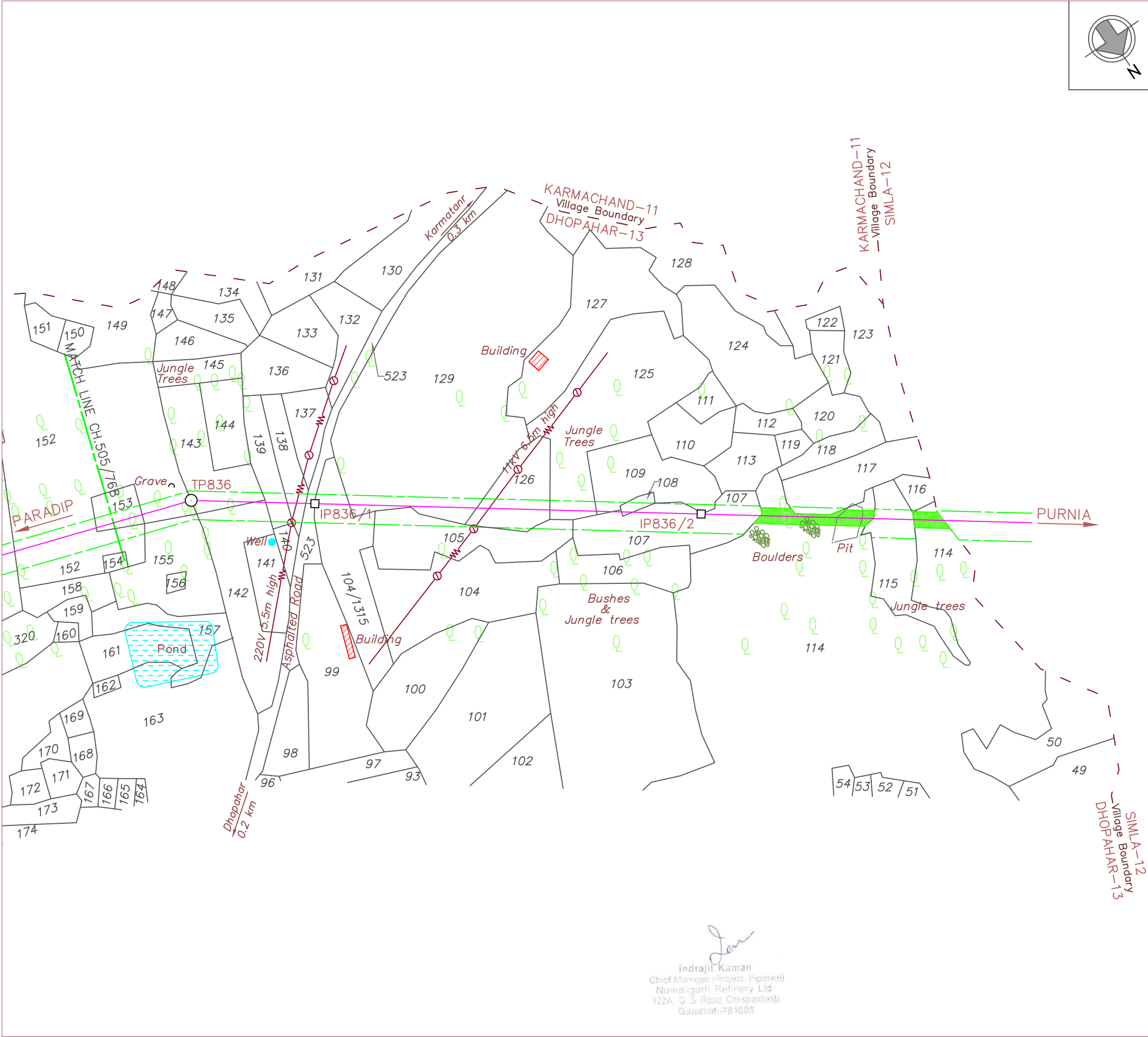




REFERENCE DRAWINGS

DRAWING TITLE		DRAWING No.	
ROUTE MAP 1:50,000 SCALE		NRL/PSNPL/RM-13 & 14	
ALIGNMENT SHEET 1:2500 SCALE		NRL/PSNPL/ALN-309 & 310	

ROU WIDTH OF TRENCH CENTRELINE

LEGEND

Proposed pipeline. Turning point. Intermediate point.....

Power line with pole. Telephone line with pole.....

Buildings: Permanent. Temporary. Under Construction. ...

Nala. Canal. Pond/Water tank.

Hand pump. Well: Lined, Unlined. Bore well/Tube well.

Trees: Other. Coconut. Bamboo. Temple. Graves. ...

Plot Number with limit. Sub division. Village Boundary. ...

Forest Area (ROU Width 10m)

TP

IP

0	14.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Vishwa</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA					
SURVEY CONSULTANTS	SECON BANGALORE - 66					
VILLAGE : DHOPAHAR-13			ANCHAL : SHIKARIPARA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 505/787 KM TO 506/306 KM						
JOB No.		SCALE 1: 2500 OR 1 Cm = 25.0m				
0C10000305						
CHECKED BY DATE	SECON CA	VISHWA	DATE 14.08.2020	SHEET No. 2 OF 2	DRAWING No. NRL/PSNPL/LA-545	REV. 0

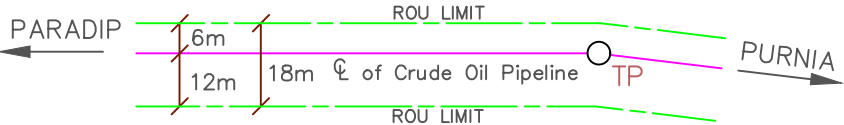
[Signature]
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-310 & 311

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
--------	--

PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF ROU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
---------	---

TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
-------	--

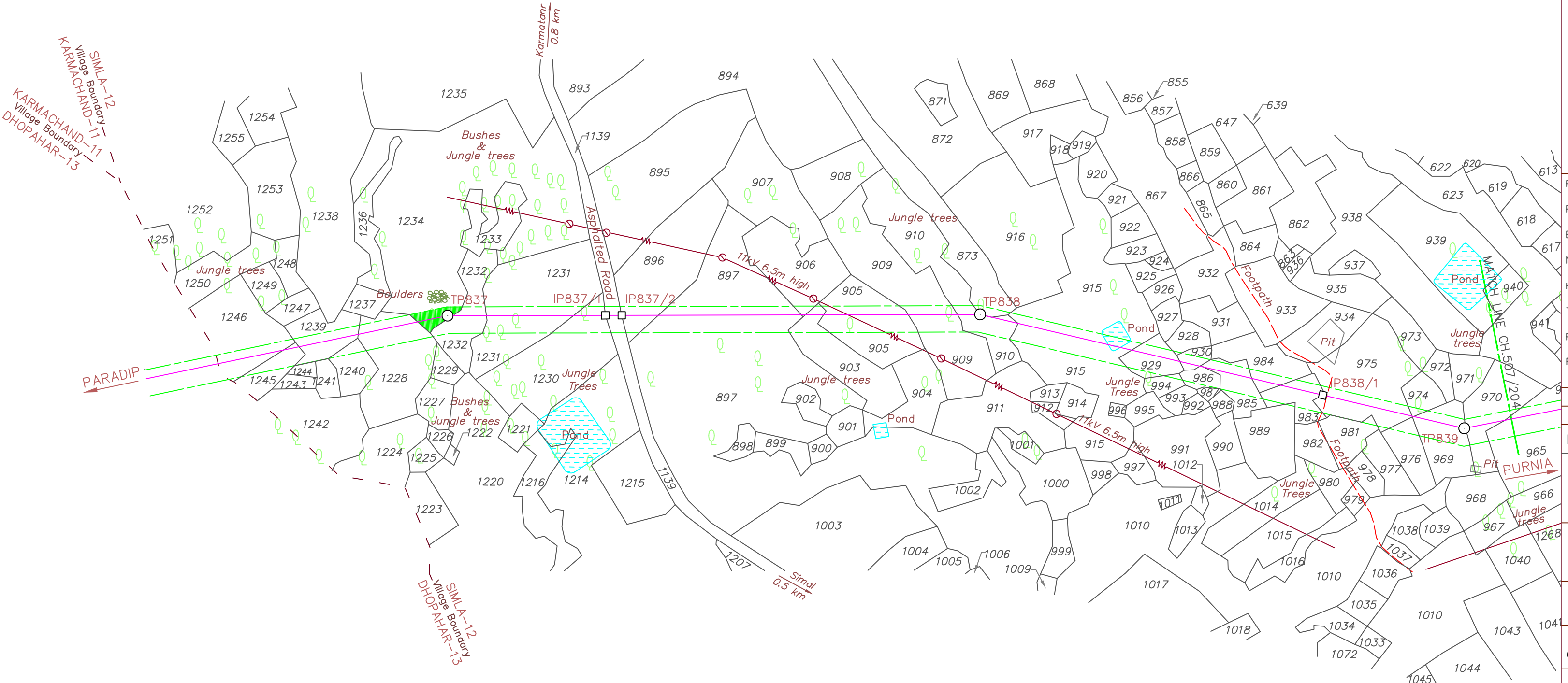
SURVEY CONSULTANTS	SECON BANGALORE - 66
--------------------	--------------------------------

VILLAGE : SIMLA-12	ANCHAL : SHIKARIPARA
DISTRICT : DUMKA	STATE : JHARKHAND

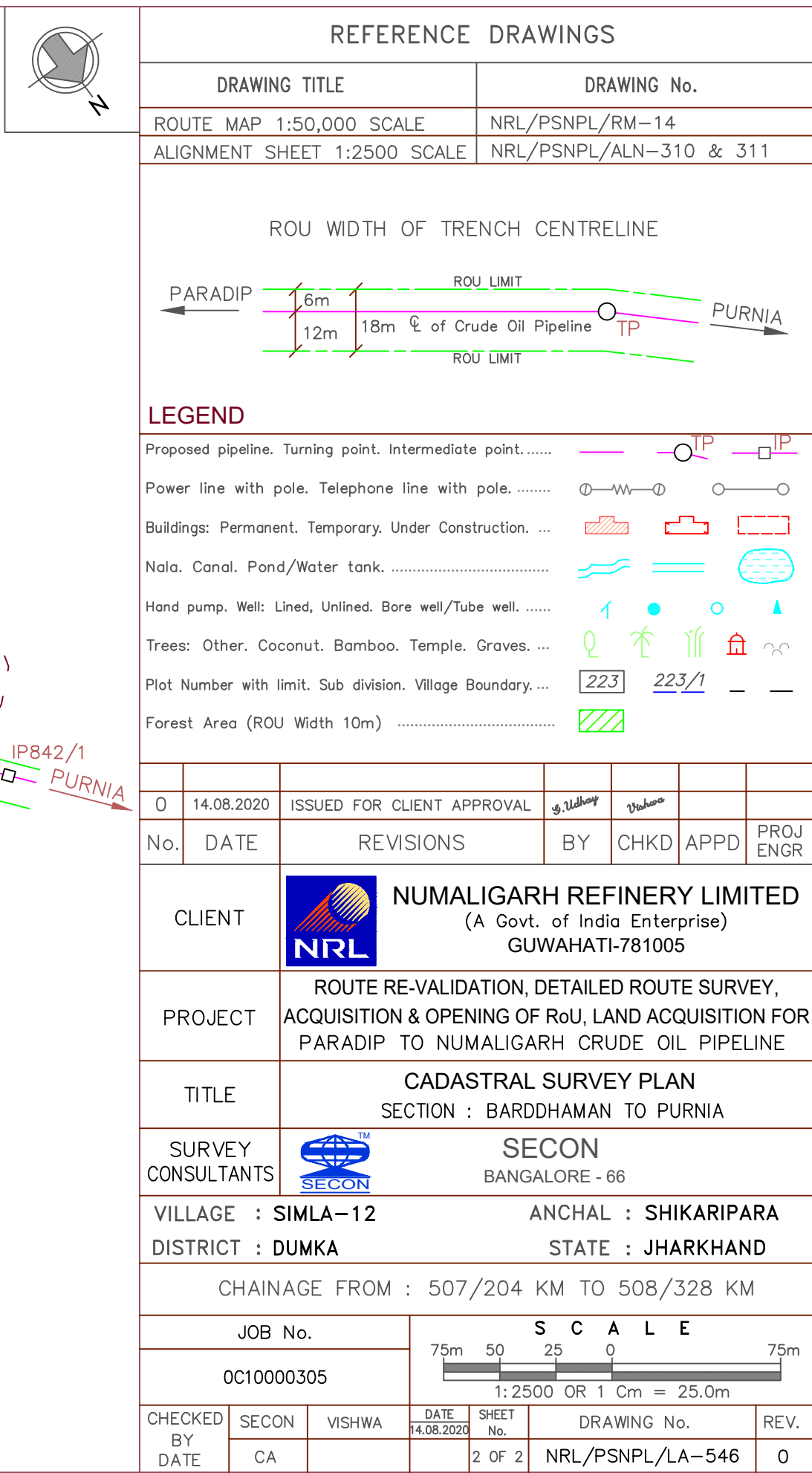
CHAINAGE FROM : 506/306 KM TO 507/204 KM

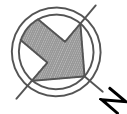
JOB No.	S C A L E
OC10000305	

CHECKED BY DATE	SECON	VISHWA	DATE 14.08.2020	SHEET No. 1 OF 2	DRAWING No. NRL/PSNPL/LA-546	REV. 0
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Indrajit Kaman
Chief Manager (Project, Refinery)
Numaligarh Refinery Ltd.
122A, G S Road, Chirashasti
Guwahati-781005

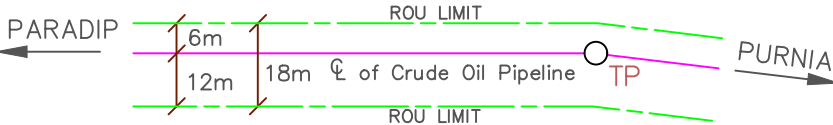




REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-313 & 314

ROU WIDTH OF TRENCH CENTRELINE

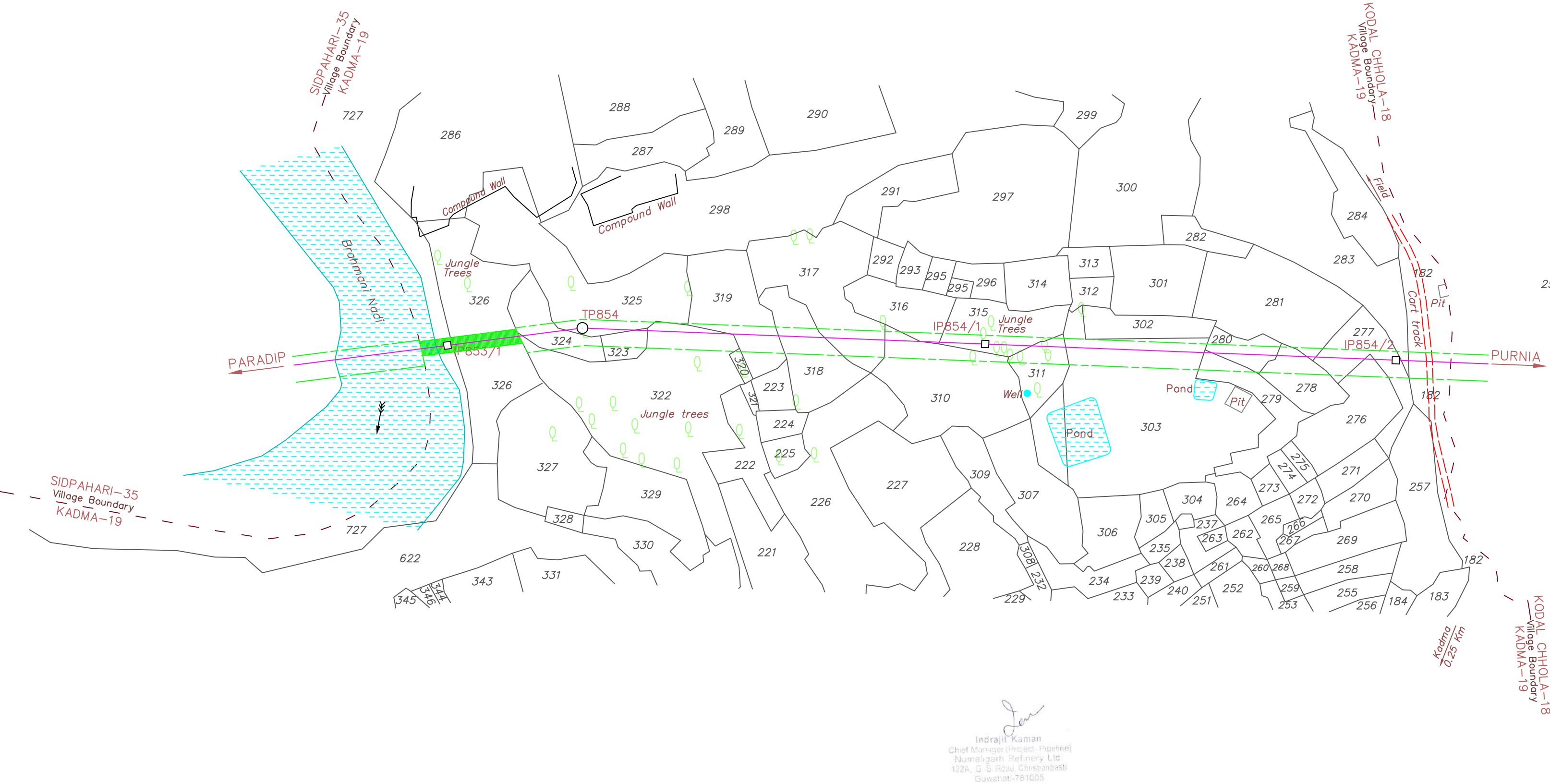


LEGEND

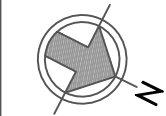
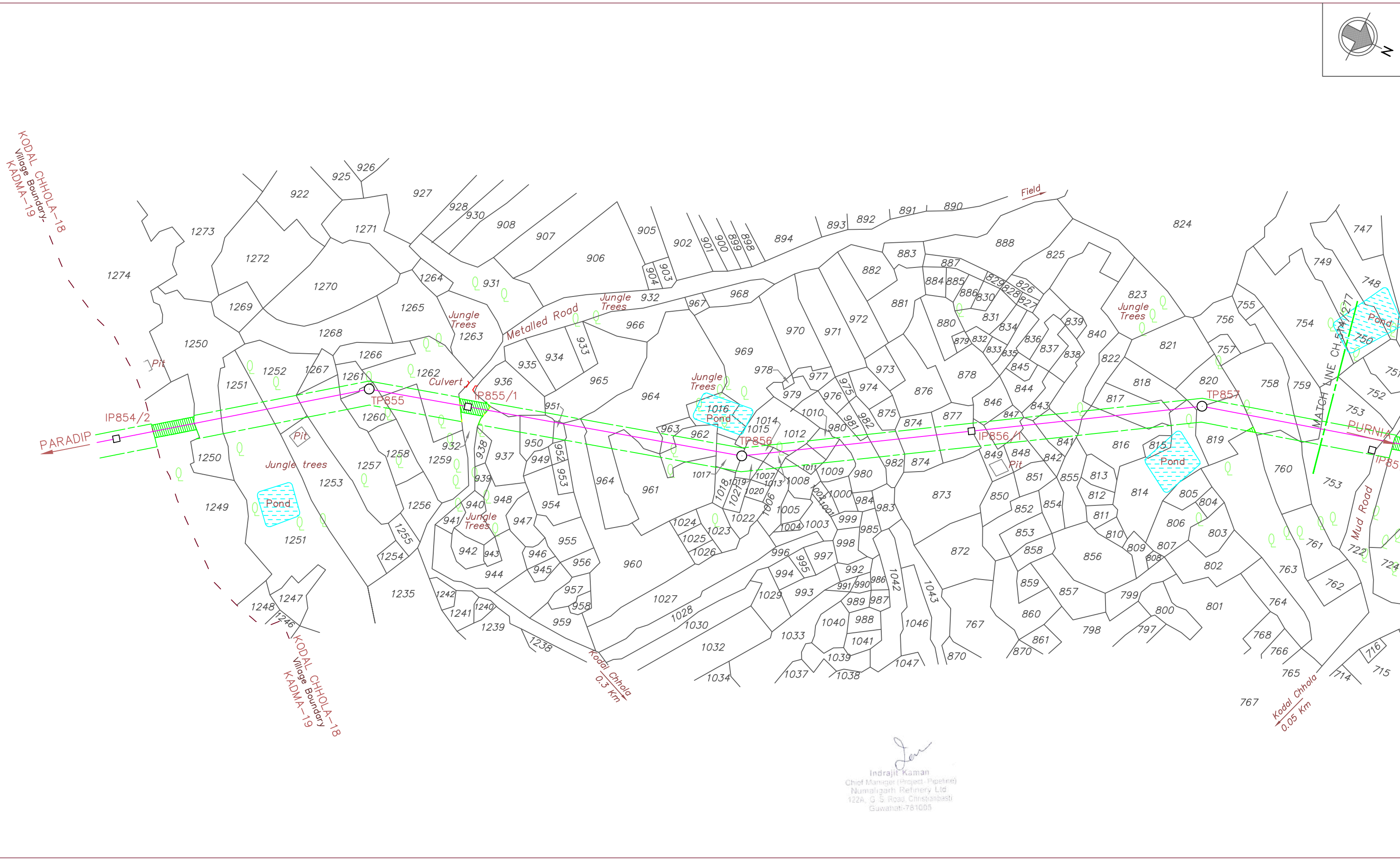
Proposed pipeline. Turning point. Intermediate point.....			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

O	17.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA					
SURVEY CONSULTANTS	 SECON BANGALORE - 66					
VILLAGE : KADMA-19			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 512/672 KM TO 513/382 KM						
JOB No.		S C A L E  1: 2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 17.08.2020	SHEET No.	DRAWING No.	REV.
CA			1 OF 1	NRL/PSNPL/LA-551	0	



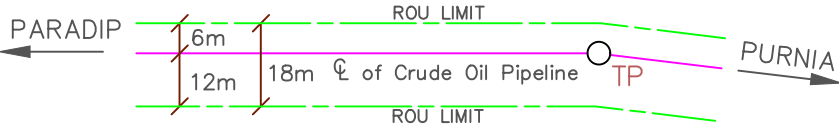
Indrajit Kaman
Chief Manager (Project - Refining)
Numaligarh Refinery Ltd
122A, G. S. Road, Chinsabasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-314 & 315

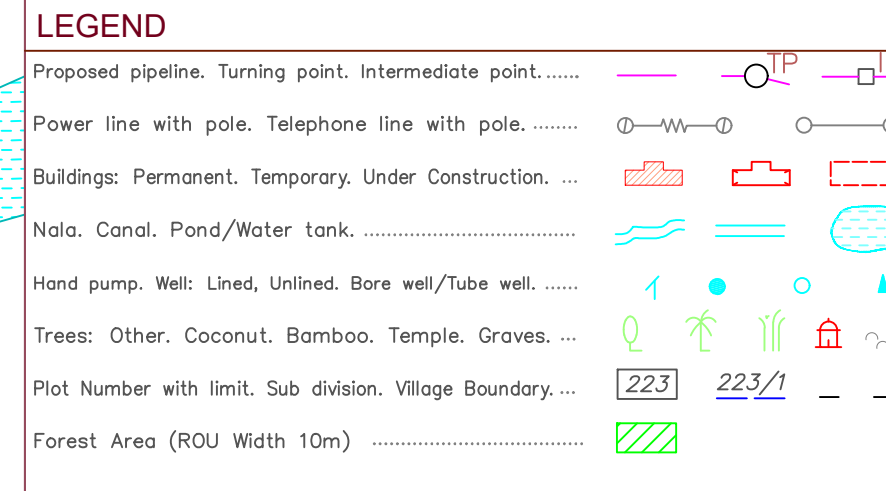
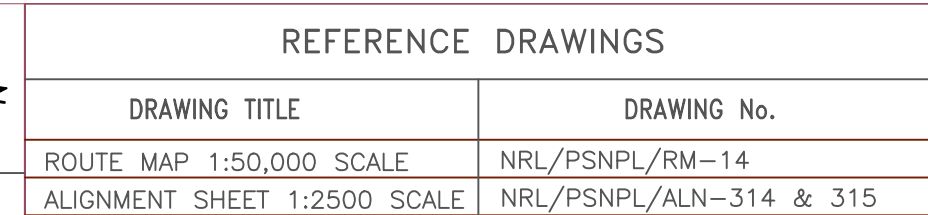
ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	TP	IP
Power line with pole. Telephone line with pole.	—W—W—	—O—O—
Buildings: Permanent. Temporary. Under Construction. ...		
Nala. Canal. Pond/Water tank.		
Hand pump. Well: Lined, Unlined. Bore well/Tube well.		
Trees: Other. Coconut. Bamboo. Temple. Graves. ...		
Plot Number with limit. Sub division. Village Boundary. ...	223	223/1
Forest Area (ROU Width 10m)		

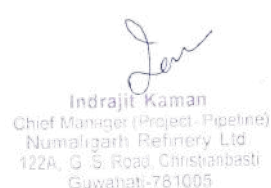
O	17.08.2020	ISSUED FOR CLIENT APPROVAL	G. Vahay	Vahay		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : KODAL CHHOLA-18			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 513/382 KM TO 514/277 KM						
JOB No.		S C A L E  1:2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 17.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 2	NRL/PSNPL/LA-552	0

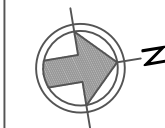


CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	 SECON BANGALORE - 66

CHAINAGE FROM : 514/277 KM TO 515/186 KM

JOB No.			S C A L E			
OC10000305			75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 17.08.2020	SHEET No.	DRAWING No.	REV.
	CA			2 OF 2	NRL/PSNPL/LA-552	0





REFERENCE DRAWINGS

DRAWING TITLE

DRAWING No.

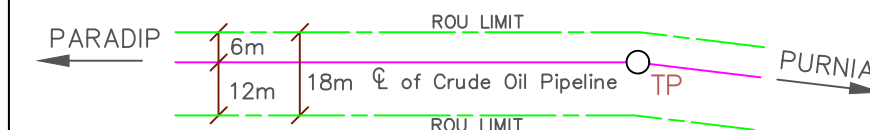
ROUTE MAP 1:50,000 SCALE

NRL/PSNPL/RM-13

ALIGNMENT SHEET 1:2500 SCALE

NRL/PSNPL/ALN-300 & 301

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

0	10.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Vishay</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

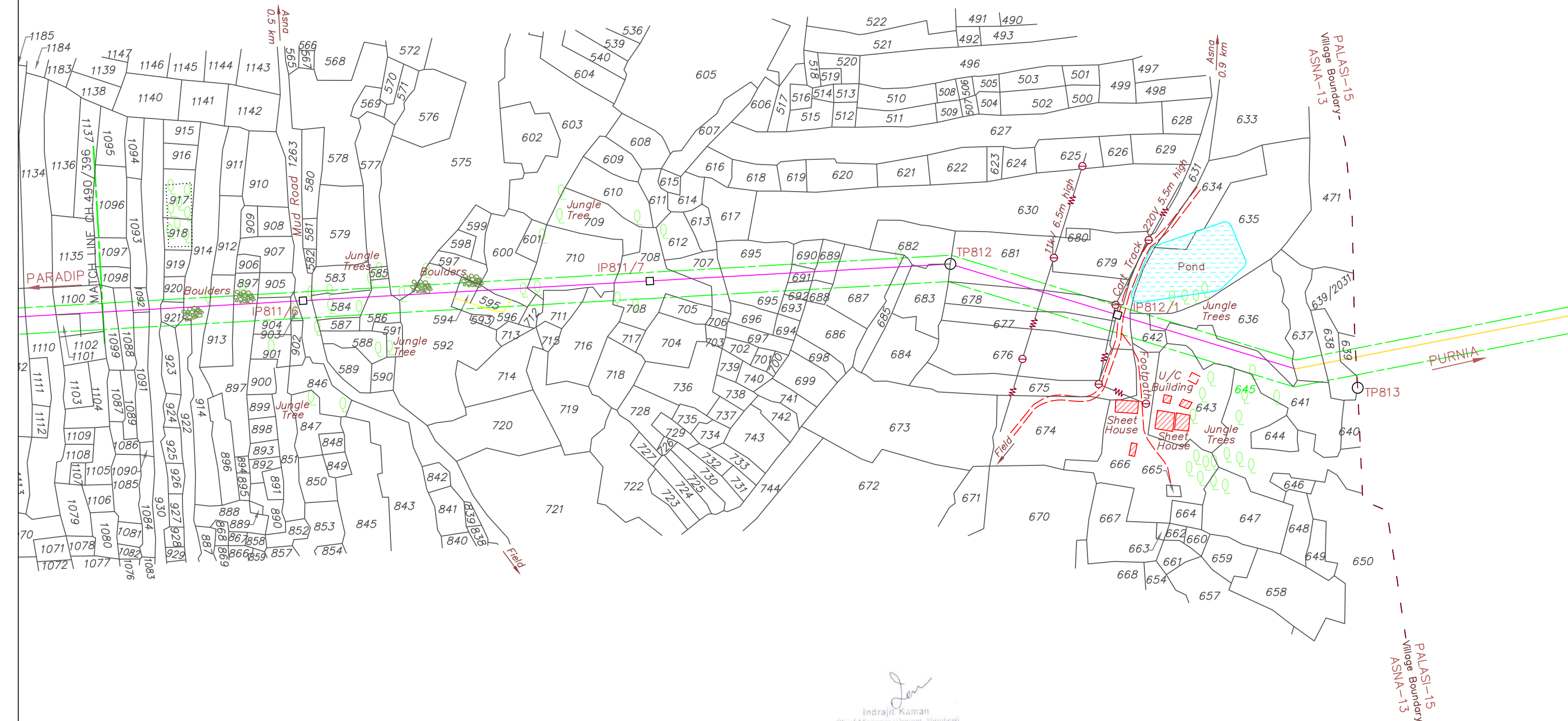
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

VILLAGE : ASNA-13	ANCHAL : SHIKARIPARA
DISTRICT : DUMKA	STATE : JHARKHAND

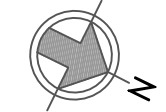
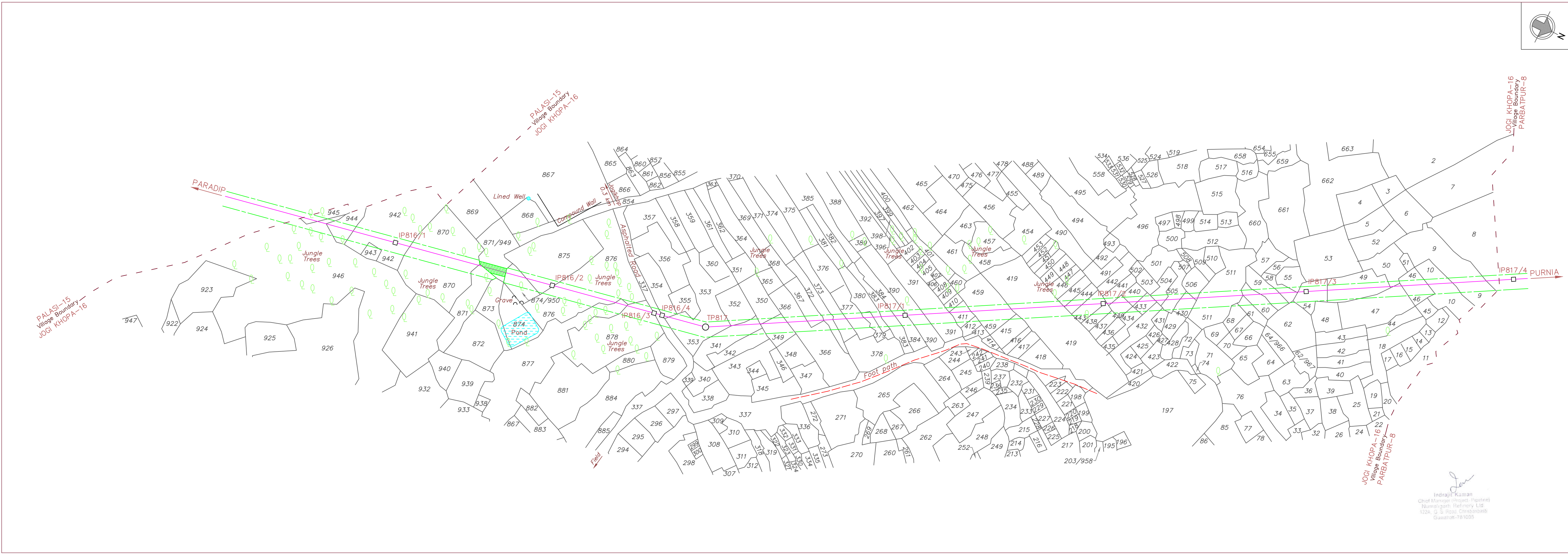
CHAINAGE FROM : 490/396 KM TO 491/271 KM

JOB No.	S C A L E
OC10000305	

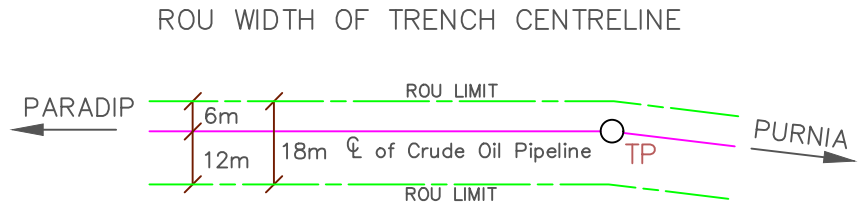
CHECKED BY DATE	SECON	VISHWA	DATE 10.08.2020	SHEET No. 2 OF 2	DRAWING No. NRL/PSNPL/LA-532	REV. 0
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Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Chishanbasti
Guwahati-781005

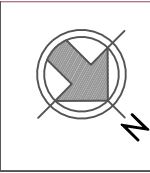


REFERENCE DRAWINGS	
DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-302 & 303



LEGEND	
Proposed pipeline. Turning point. Intermediate point.	TP IP
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction.	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

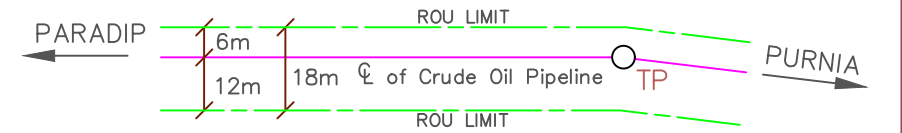
O	12.08.2020	ISSUED FOR CLIENT APPROVAL	<i>B. Kheloy</i>	<i>Debas</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : JOGI KHOPA-16			ANCHAL : SHIKARIPARA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 493/009 KM TO 494/450 KM						
JOB No.		S C A L E 75m5025075m 1:2500 OR 1 Cm = 25.0m				
0C10000305						
CHECKED BY	SECON	VISHWA	DATE	SHEET No.	DRAWING No.	REV.
DATE	CA		12.08.2020	1 OF 1	NRL/PSNPL/LA-534	0



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-303 & 304

ROU WIDTH OF TRENCH CENTRELINE

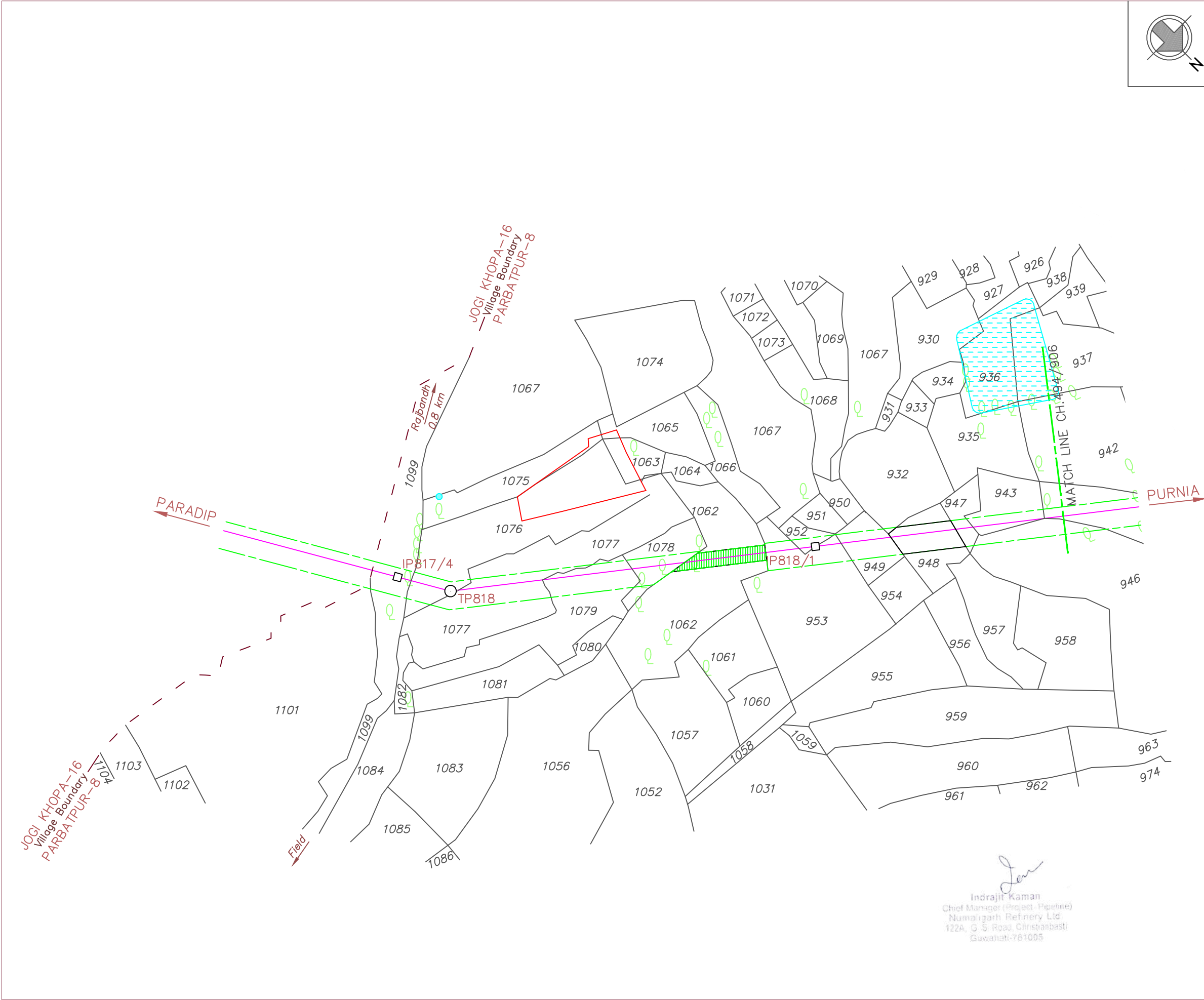


LEGEND

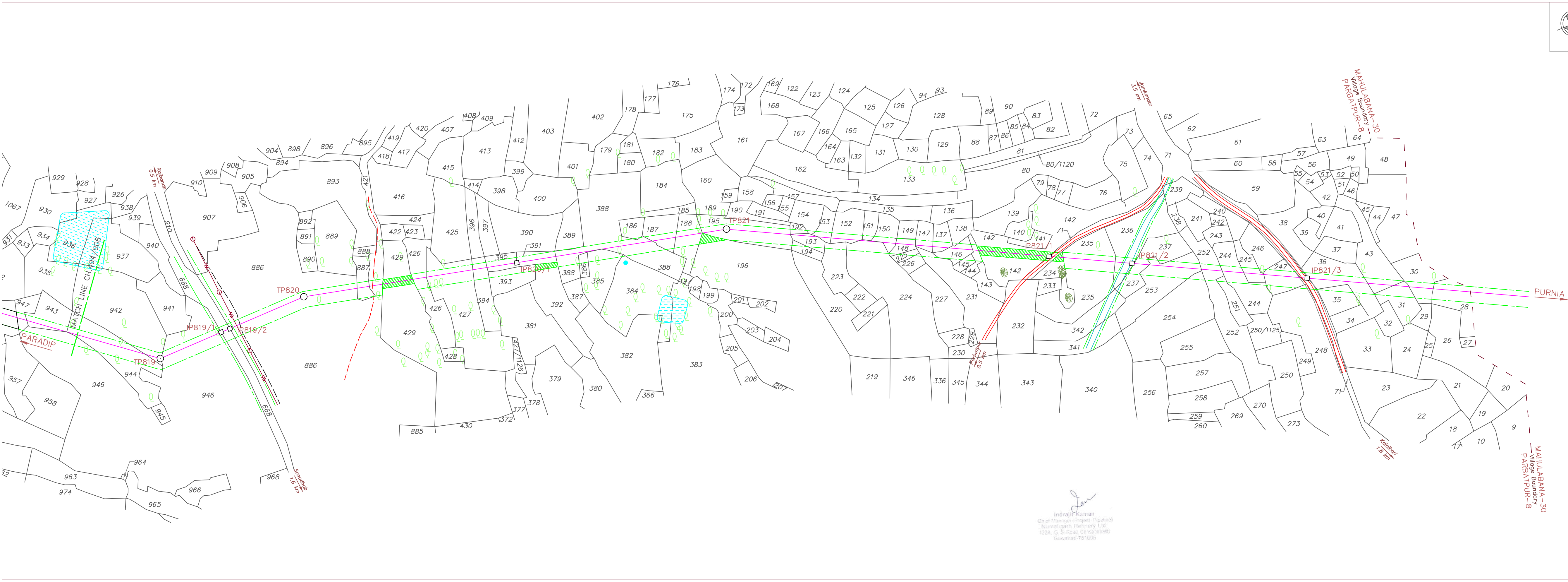
Proposed pipeline. Turning point. Intermediate point.	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	12.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Vishwa</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

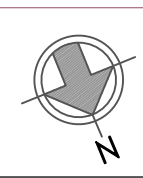
CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005	
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE	
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA	
SURVEY CONSULTANTS	 SECON	SECON BANGALORE - 66
VILLAGE : PARBATPUR-8		



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christianabasti
Guwahati-781005



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Chinsibasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-303 & 304

ROU WIDTH OF TRENCH CENTRELINE

PARADIP

ROU LIMIT

6m

12m

18m

CL of Crude Oil Pipeline

TP

ROU LIMIT

PURNIA

LEGEND

Proposed pipeline. Turning point. Intermediate point.....

Power line with pole. Telephone line with pole.

Buildings: Permanent. Temporary. Under Construction. ...

Nala. Canal. Pond/Water tank.

Hand pump. Well: Lined, Unlined. Bore well/Tube well.

Trees: Other. Coconut. Bamboo. Temple. Graves. ...

Plot Number with limit. Sub division. Village Boundary. ...

Forest Area (ROU Width 10m)

0

12.08.2020

ISSUED FOR CLIENT APPROVAL

g. Khamrui

Vishwa

No.

DATE

REVISIONS

BY

CHKD

APPD

PROJ ENGR

CLIENT

NUMALIGARH REFINERY LIMITED
(A Govt. of India Enterprise)
GUWAHATI-781005

PROJECT

ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY,
ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR
PARADIP TO NUMALIGARH CRUDE OIL PIPELINE

TITLE

CADASTRAL SURVEY PLAN
SECTION : BARDDHAMAN TO PURNIA

SURVEY CONSULTANTS

SECON
BANGALORE - 66

VILLAGE : PARBATPUR-8

ANCHAL : SHIKARIPARA

DISTRICT : DUMKA

STATE : JHARKHAND

CHAINAGE FROM : 494/906 KM TO 496/508 KM

JOB No.

0C10000305

DATE 12.08.2020

SHEET No. 2 OF 2

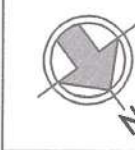
DRAWING No. NRL/PSNPL/LA-535

REV. 0

SCALE

75m 50 25 0 75m

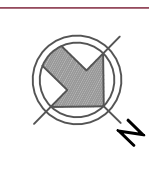
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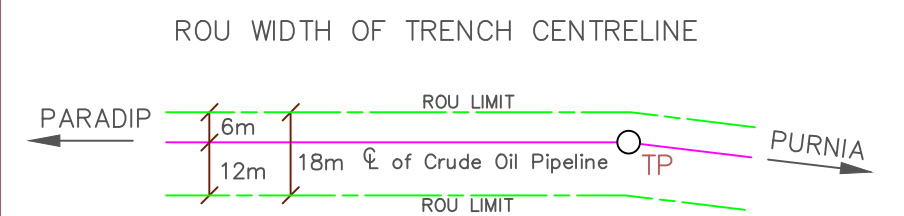
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DRAWING TITLE					DRAWING No.				
ROUTE MAP 1:50,000 SCALE					NRL/PSNPL/RM-13				
ALIGNMENT SHEET 1:2500 SCALE					NRL/PSNPL/ALN-304 & 305				
ROU WIDTH OF TRENCH CENTRELINE									
Forest Survey No. 2439, 3038 & 2290 (10 Mtr. ROU)									
LEGEND									
Proposed pipeline. Turning point, intermediate point.....									
Power line with pole. Telephone line with pole.									
Buildings: Permanent. Temporary. Under Construction. ...									
Nala. Canal. Pond/Water tank.									
Hand pump. Well: Lined, Unlined. Bore well/Tube well.									
Trees: Other. Coconut. Bamboo. Temple. Graves. ...									
Plot Number with limit. Sub division. Village Boundary. ...									
Forest Area (ROU Width 10m)									
0	12.08.2020	ISSUED FOR CLIENT APPROVAL	<i>B. Mahapatra</i>	<i>D. Mahapatra</i>					
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ	ENGR		
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005								
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE								
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDHAMAN TO PURNIA								
SURVEY CONSULTANTS	SECON BANGALORE - 66								
VILLAGE : MAHULABANA-30					ANCHAL : RANISHWAR				
DISTRICT : DUMKA					STATE : JHARKHAND				
CHAINAGE FROM : 496/508 Km TO 497/650 Km									
JOB No.				S C A L E					
OC10000305									
CHECKED BY	SECON	VISHWA	DATE	SHEET No.	DRAWING No.				REV.
CA			12.08.2020	1 OF 1	NRL/PSNPL/LA-536				0



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G & S Road, Chirshabasti
Guwahati-781005

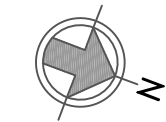


REFERENCE DRAWINGS	
DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-304 & 305



LEGEND	
Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

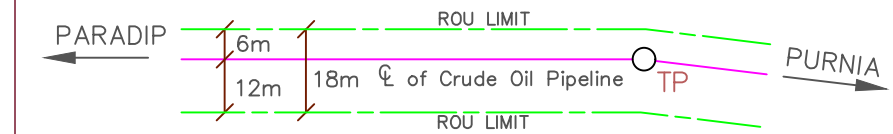
O	12.08.2020	ISSUED FOR CLIENT APPROVAL	S. Mukherjee	Debasree		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : LATBEDHA-2			ANCHAL : SHIKARIPARA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 497/650 KM TO 498/094 KM						
JOB No.		S C A L E 75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 12.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-537	REV. 0
	CA					



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-305 TO 307

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

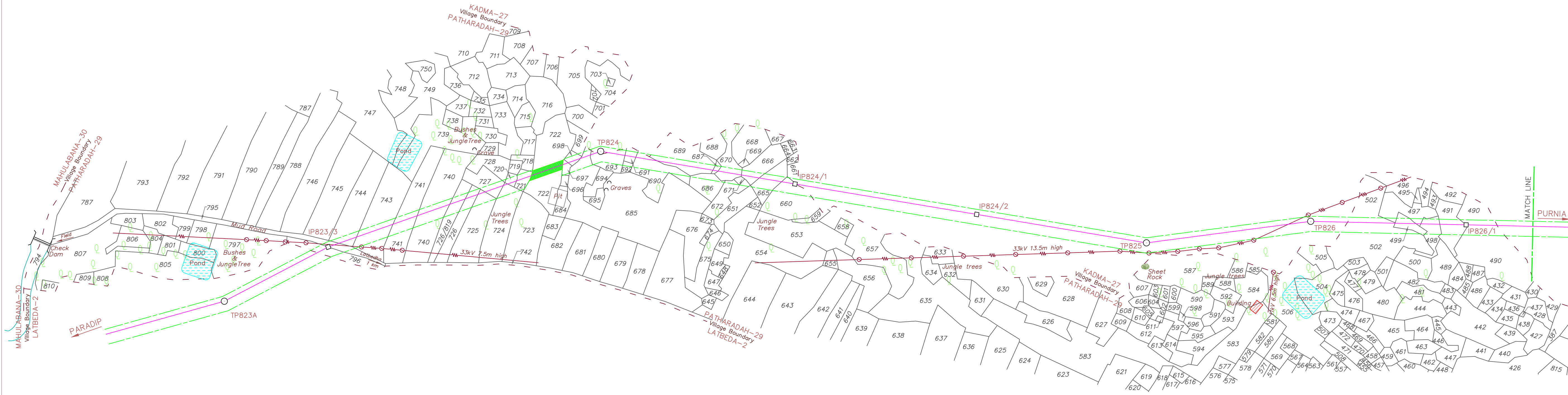
O	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

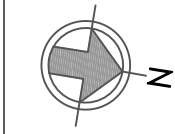
VILLAGE : PATHARADAH-29 ANCHAL : RANISHWAR
DISTRICT : DUMKA STATE : JHARKHAND

CHAINAGE FROM : 498/094 KM TO 498/440 KM
CHAINAGE FROM : 498/456 KM TO 498/685 KM
CHAINAGE FROM : 499/344 KM TO 499/518 KM

JOB No.	0C10000305	S C A L E			
		1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON CA	VISHWA	DATE 14.08.2020 SHEET No. 1 OF 2	DRAWING No. NRL/PSNPL/LA-538	REV. 0



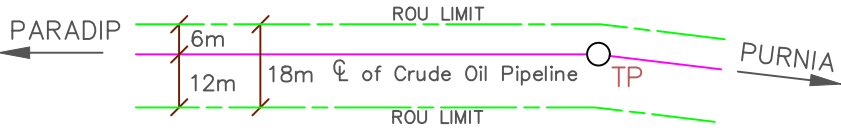
Indrajit Kaman
Chief Manager (Project Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Chirshanbasi
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-305 TO 307

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

O	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

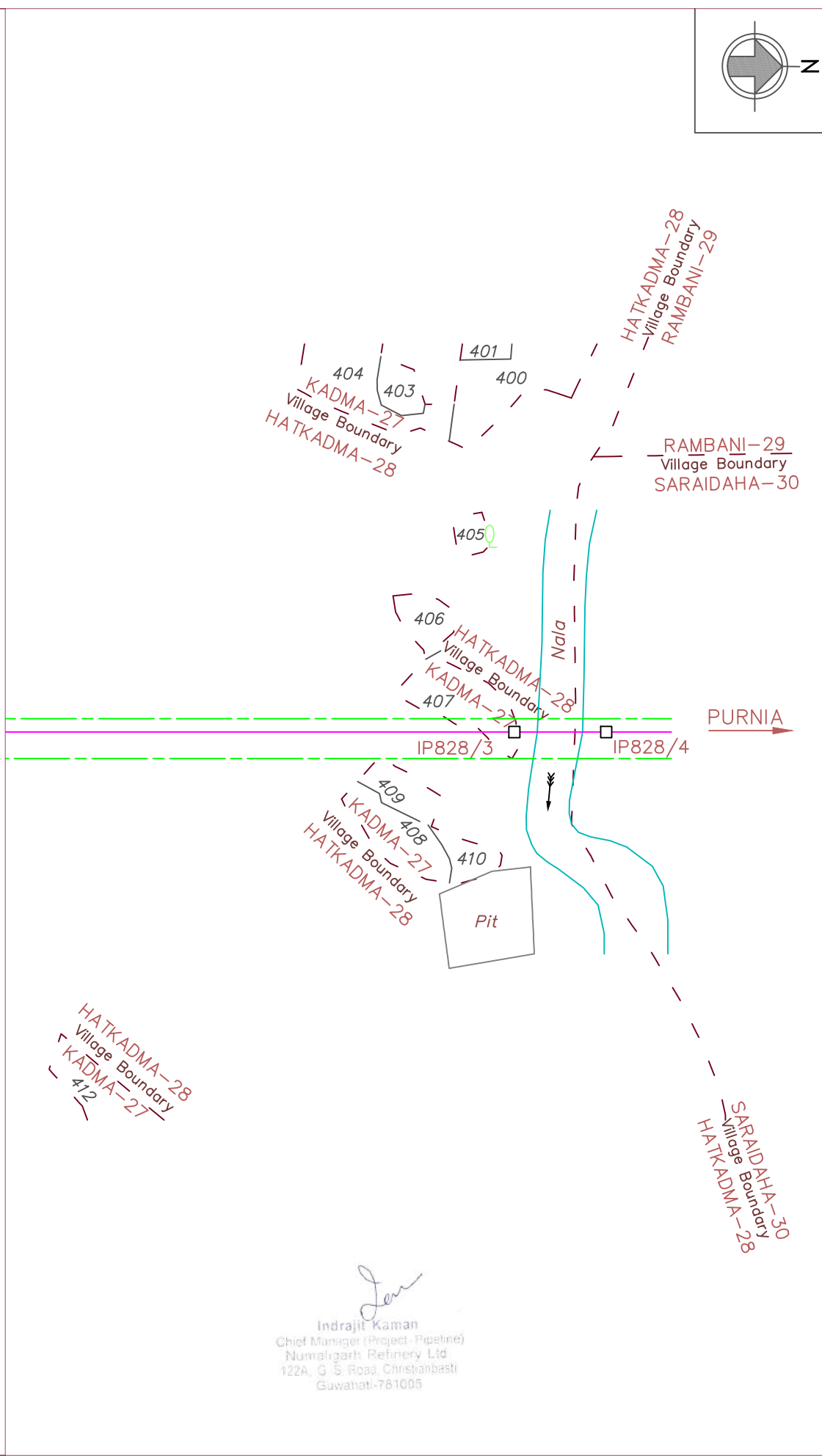
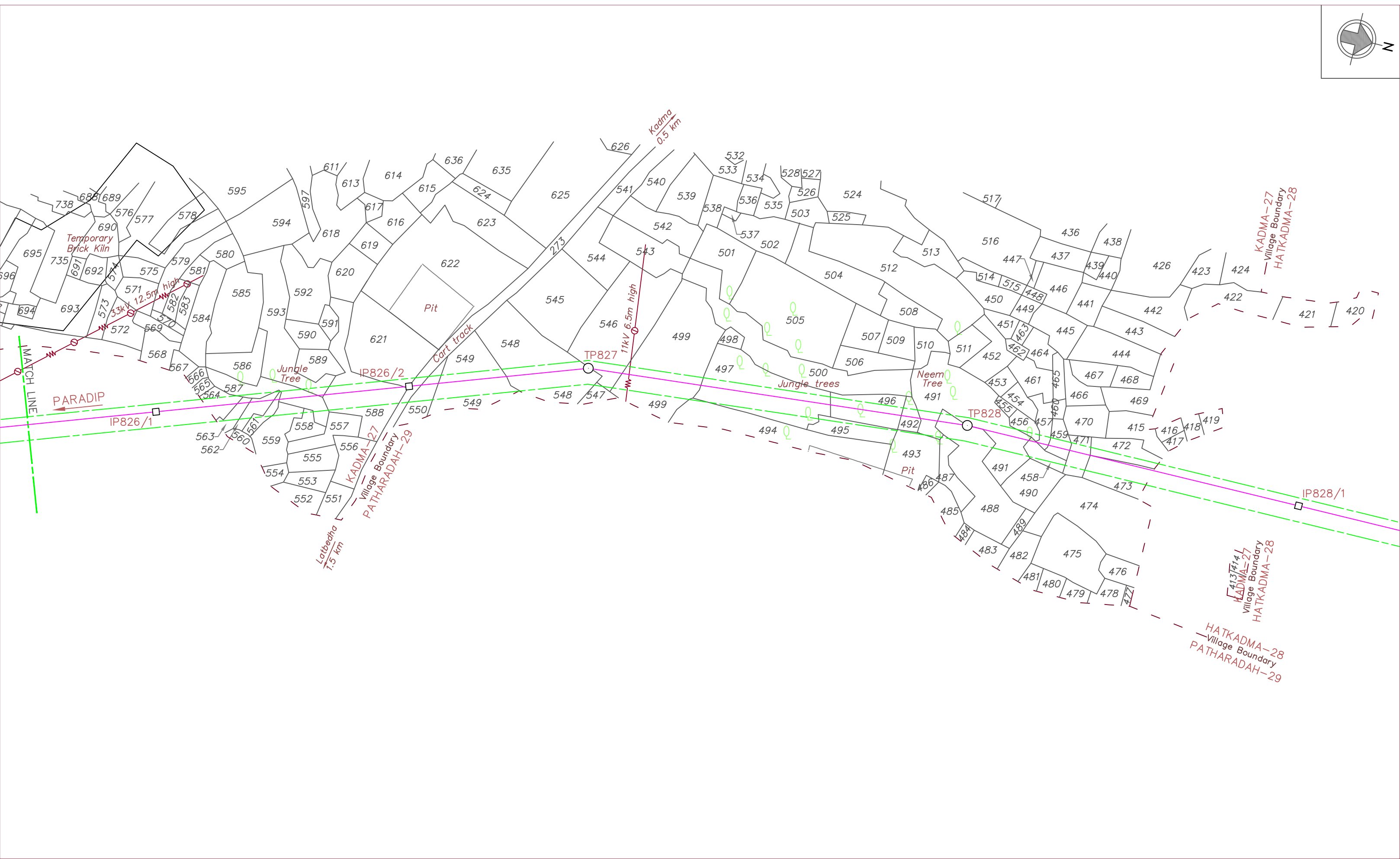
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66
VILLAGE : PATHARADAH-29 ANCHAL : RANISHWAR	
DISTRICT : DUMKA STATE : JHARKHAND	

AT CHAINAGE FROM : 499/752 KM

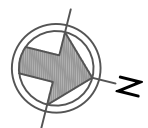
JOB No.		S C A L E			
OC10000305					
CHECKED BY DATE	SECON CA	VISHWA	DATE 14.08.2020 SHEET No. 2 OF 2	DRAWING No. NRL/PSNPL/LA-538	REV. 0



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christanabasti
Guwahati-781005



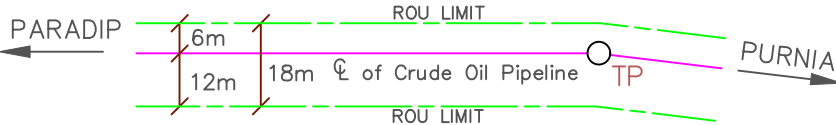
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DRAWING TITLE			DRAWING No.			
ROUTE MAP 1:50,000 SCALE			NRL/PSNPL/RM-13			
ALIGNMENT SHEET 1:2500 SCALE			NRL/PSNPL/ALN-305 TO 307			
ROU WIDTH OF TRENCH CENTRELINE						
← PARADIP 6m 12m 18m ROU LIMIT CL of Crude Oil Pipeline ROU LIMIT TP → PURNIA						
LEGEND						
Proposed pipeline. Turning point. Intermediate point.			TP IP			
Power line with pole. Telephone line with pole.						
Buildings: Permanent. Temporary. Under Construction. ...						
Nala. Canal. Pond/Water tank.						
Hand pump. Well: Lined, Unlined. Bore well/Tube well.						
Trees: Other. Coconut. Bamboo. Temple. Graves. ...						
Plot Number with limit. Sub division. Village Boundary. ...			223 223/1 - -			
Forest Area (ROU Width 10m)						
0	14.08.2020	ISSUED FOR CLIENT APPROVAL	Udhay	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		SECON BANGALORE - 66				
VILLAGE : KADMA-27			ANCHAL : RANISHWAR			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 499/518 KM TO 500/255 KM						
CHAINAGE FROM : 500/903 KM TO 500/917 KM						
JOB No.			SCALE			
0C10000305			75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 14.08.2020	SHEET No. 2 OF 2	DRAWING No. NRL/PSNPL/LA-539	REV. 0
	CA					



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-305 TO 307

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

O	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

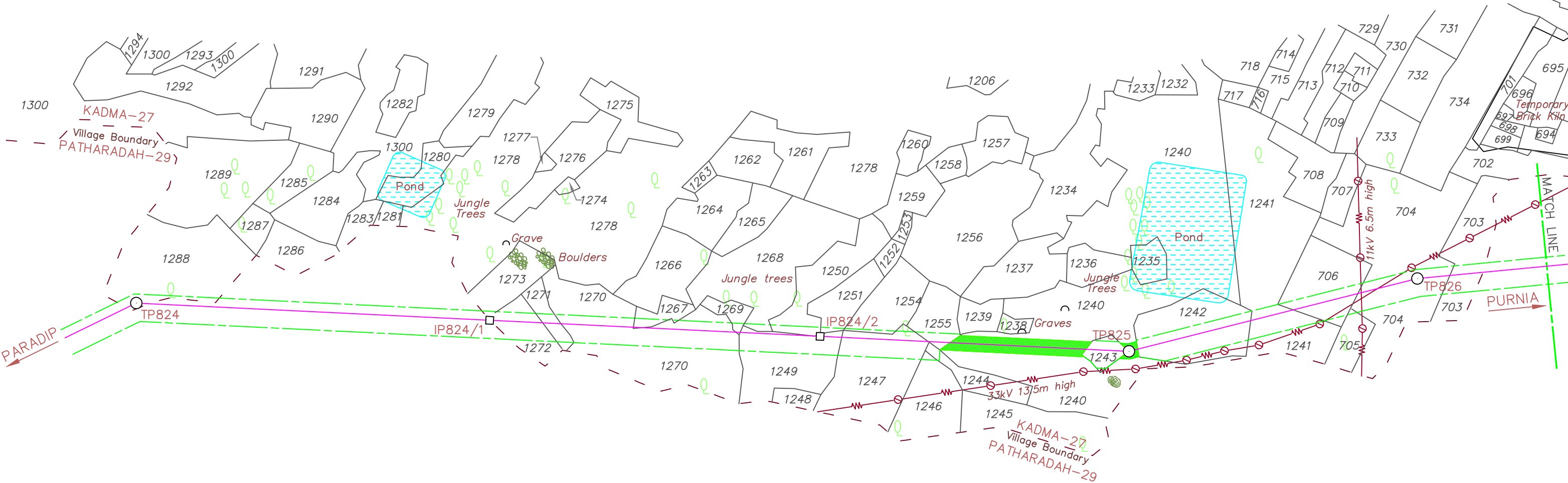
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

VILLAGE : KADMA-27	ANCHAL : RANISHWAR
DISTRICT : DUMKA	STATE : JHARKHAND

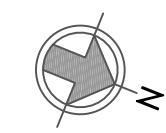
CHAINAGE FROM : 498/440 KM TO 498/456 KM
CHAINAGE FROM : 498/685 KM TO 499/344 KM

JOB No.	S C A L E
OC10000305	

CHECKED BY DATE	SECON	VISHWA	DATE 14.08.2020	SHEET No.	DRAWING No.	REV.
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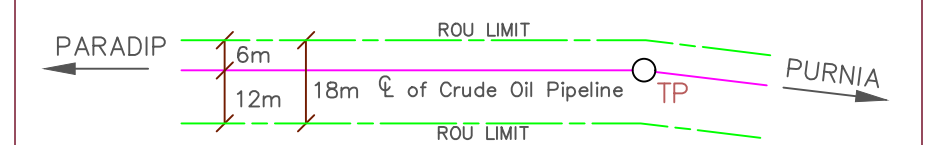
Indrajit Kaman
Chief Manager (Project - Pipelines)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-307 & 308

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole,	
Buildings: Permanent. Temporary. Under Construction.	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

0	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

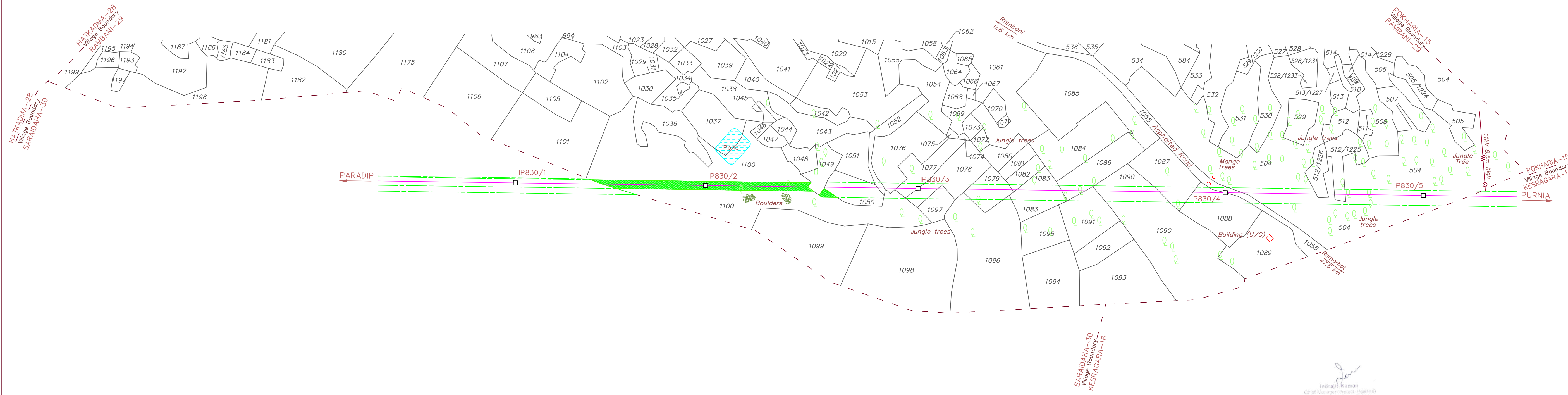
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

VILLAGE : RAMBANI-29	ANCHAL : SHIKARIPARA
DISTRICT : DUMKA	STATE : JHARKHAND

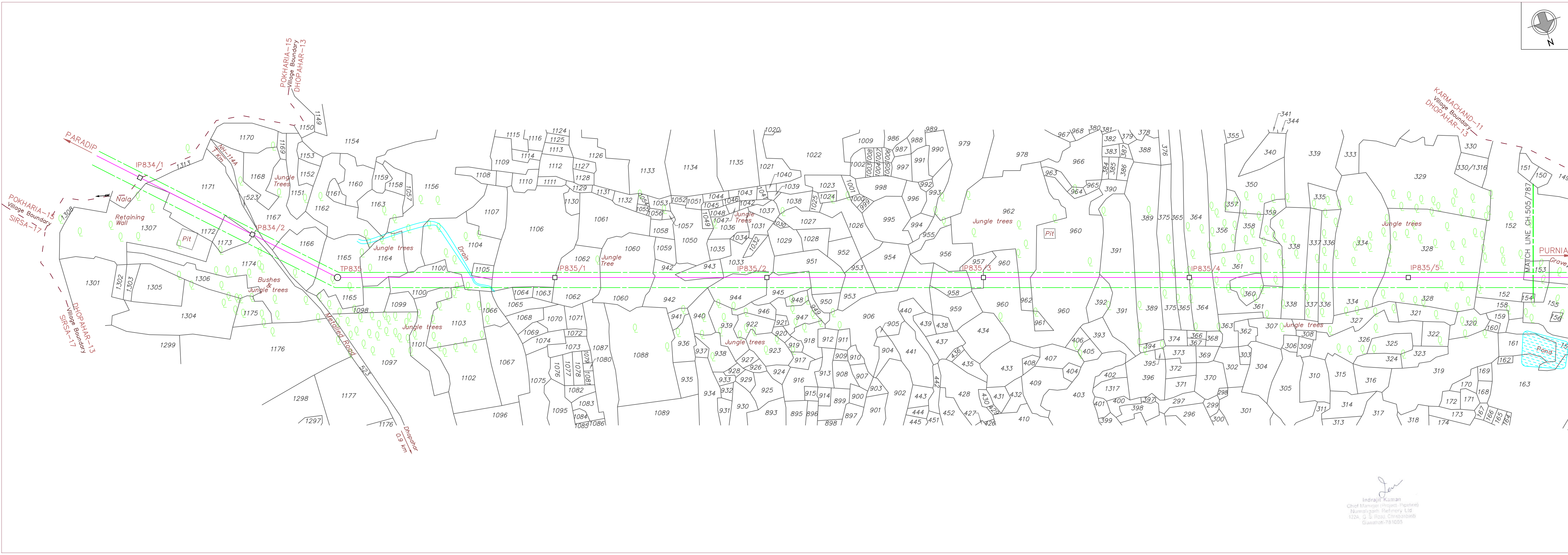
CHAINAGE FROM : 501/652 KM TO 502/680 KM

JOB No.	0C10000305	DATE	14.08.2020	SHEET No.	1 OF 1	DRAWING No.	NRL/PSNPL/LA-542	REV.	0
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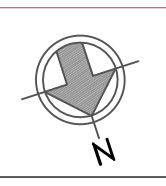
CHECKED BY DATE	SECON	VISHWA	DATE	14.08.2020	SHEET No.	1 OF 1	DRAWING No.	NRL/PSNPL/LA-542	REV.	0
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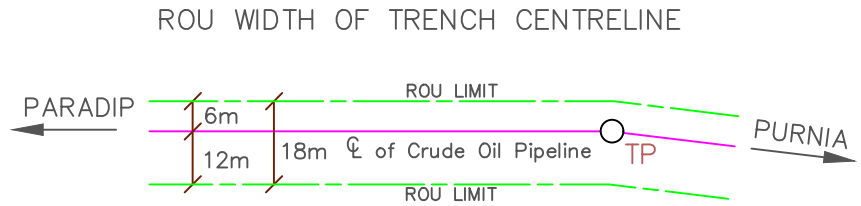
Indrajit Kaman
Chief Manager (Project, Pipeline)
Numaligarh Refinery Ltd.
122A, G S Road, Chiristanbasti
Guwahati-781005



Indrajit Kaman
Chief Manager (Project Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Chinsurahasti
Guwahati-781005



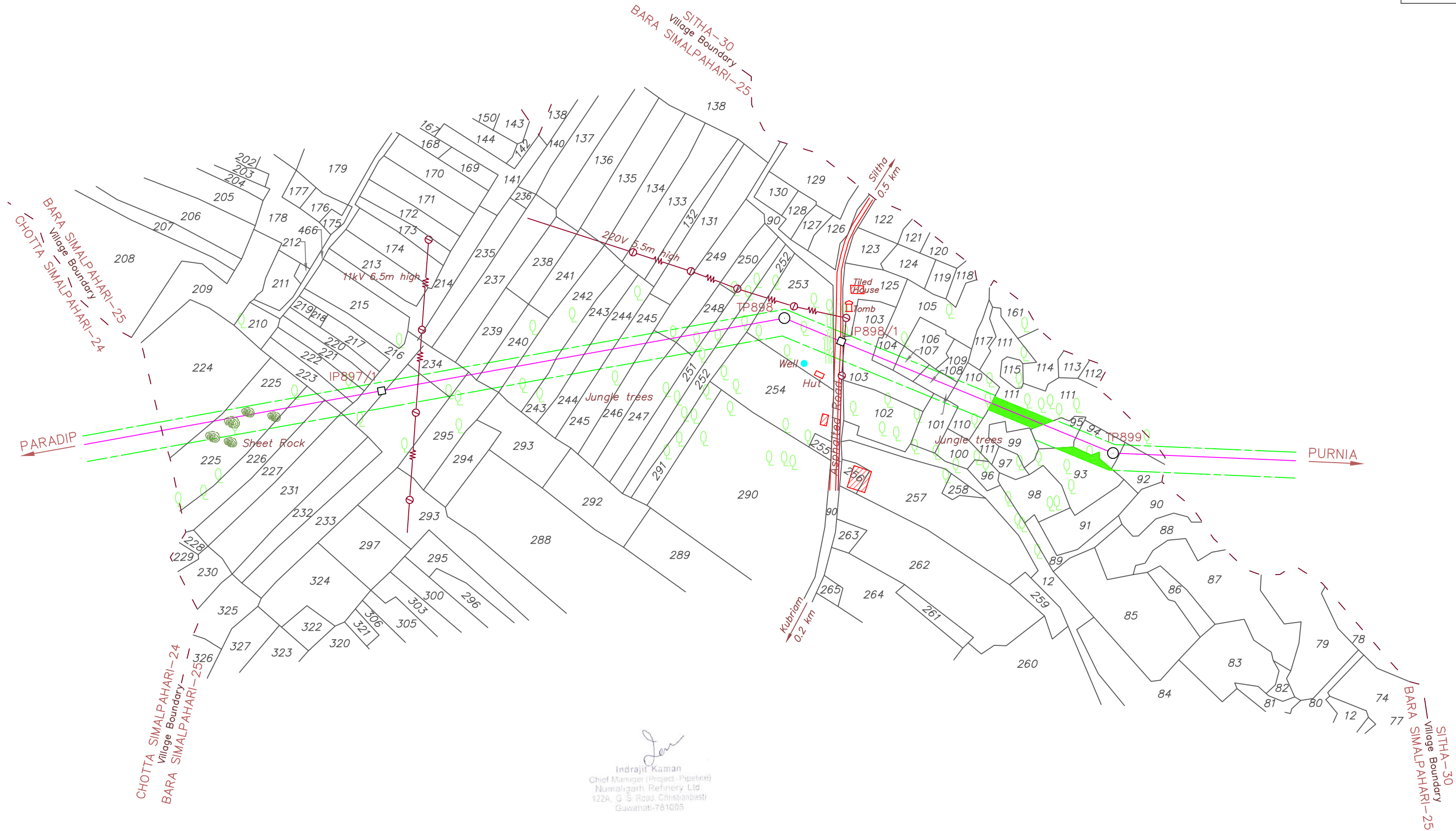
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DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-13 & 14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-309 & 310



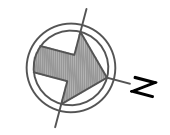
LEGEND	
Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole,	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

0	14.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA					
SURVEY CONSULTANTS	 SECON BANGALORE - 66					
VILLAGE : DHOPAHAR-13			ANCHAL : SHIKARIPARA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 504/110 KM TO 505/787 KM						
JOB No.		S C A L E 75m5025075m 1:2500 OR 1 Cm = 25.0m				
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CHECKED BY	SECON	VISHWA	DATE	SHEET No.	DRAWING No.	REV.
DATE	CA		14.08.2020	1 OF 2	NRL/PSNPL/LA-545	0



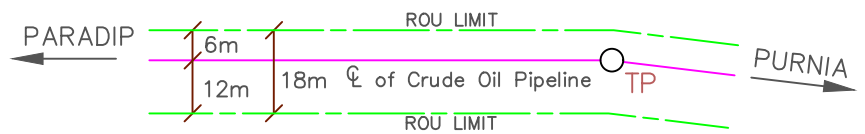
Indrajit Kaman
Chief Manager (Project, Pipeline)
Numaligarh Refinery Ltd.
122A, G S Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

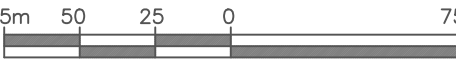
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ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-325

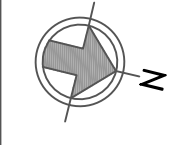
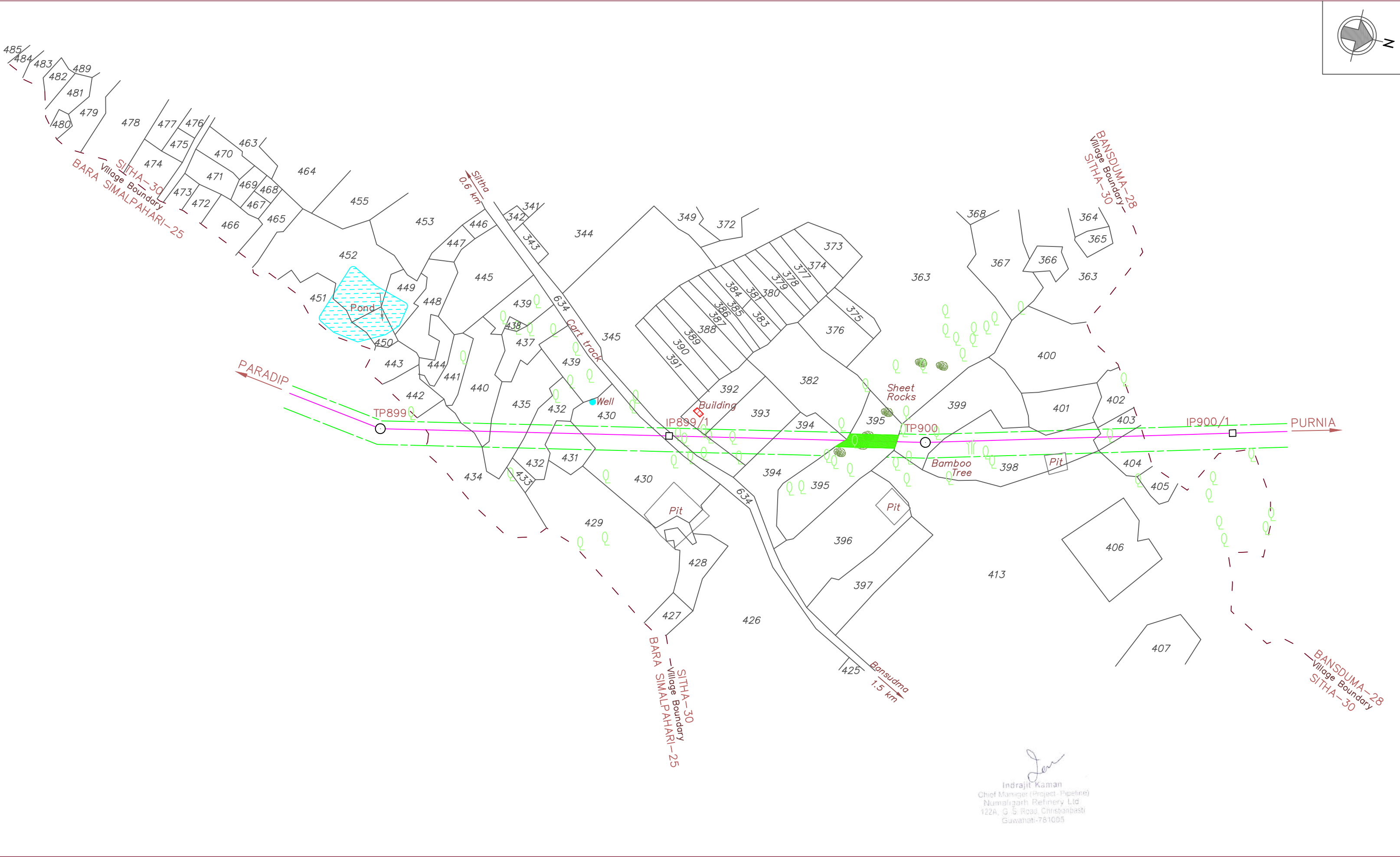
ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

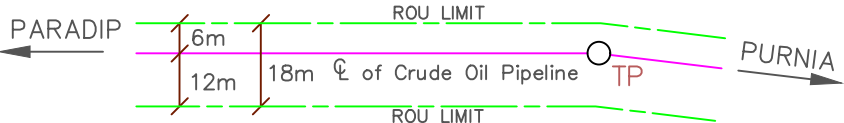
O	24.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Nishay</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : BARA SIMALPAHARI-25 ANCHAL : RAMGARH DISTRICT : DUMKA STATE : JHARKHAND						
CHAINAGE FROM : 532/059 KM TO 532/781 KM						
JOB No.			S C A L E  1: 2500 OR 1 Cm = 25.0m			
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE	SHEET No.	DRAWING No.	REV.
	CA		24.08.2020	1 OF 1	NRL/PSNPL/LA-570	0



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-325

ROU WIDTH OF TRENCH CENTRELINE

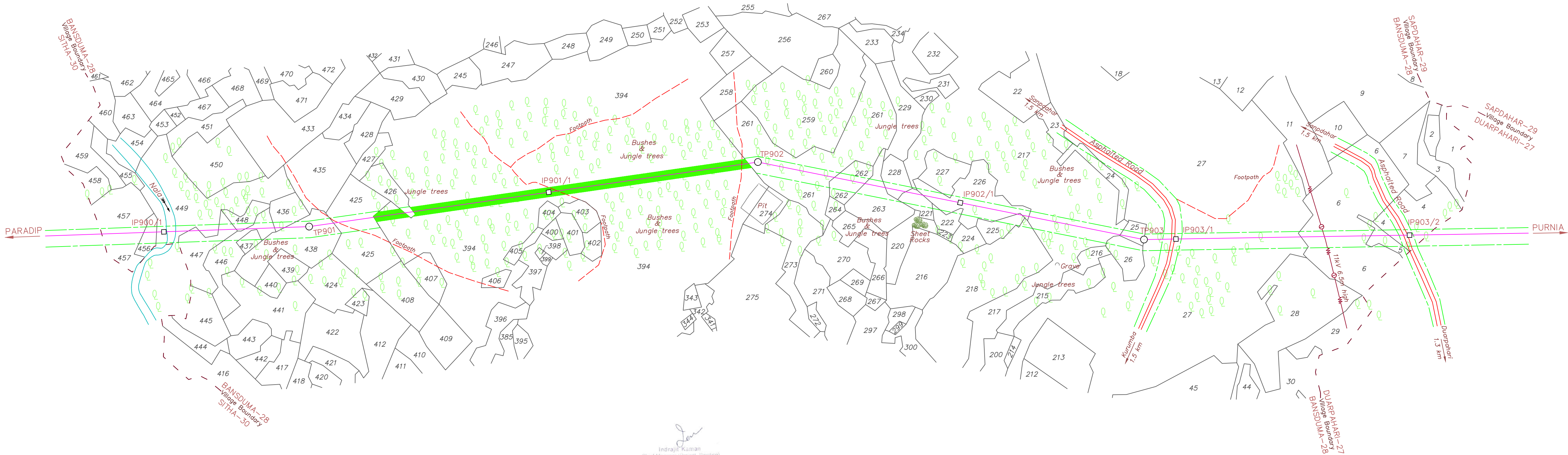


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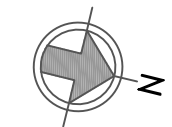
Proposed pipeline. Turning point. Intermediate point.....			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

O	24.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Vidhy</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : SITHA-30		ANCHAL : RAMGARH				
DISTRICT : DUMKA		STATE : JHARKHAND				
CHAINAGE FROM : 532/781 KM TO 533/333 KM						
JOB No.		S C A L E 75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 24.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-571	0

Indrajit Kaman
Chief Manager (Project, Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christianbasti
Guwahati-781005



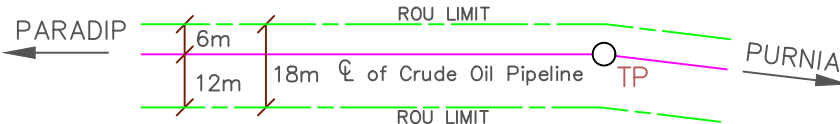
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianabasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14 & 15
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-325 & 326

ROU WIDTH OF TRENCH CENTRELINE

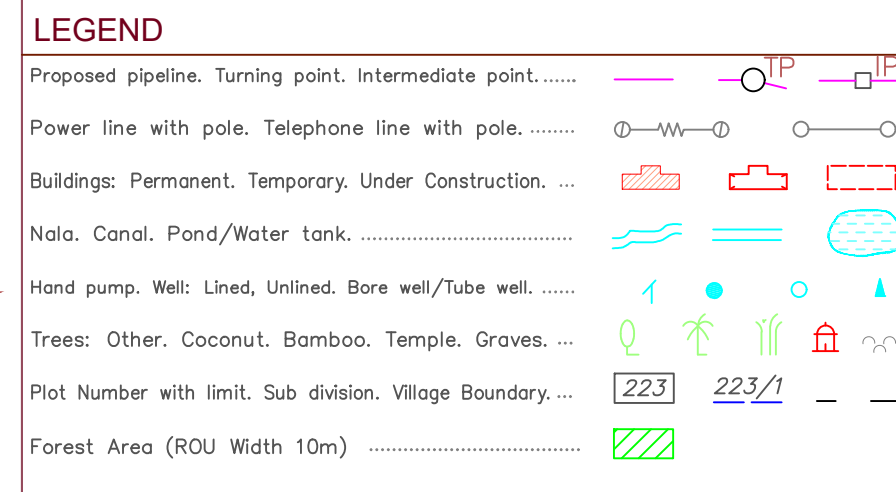
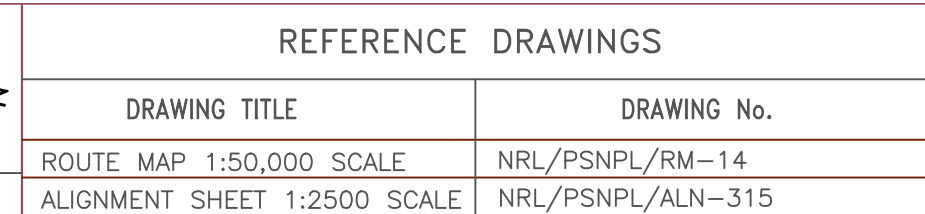


LEGEND

Proposed pipeline. Turning point. Intermediate point.			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

0	24.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDHAMAN TO PURNIA					
SURVEY CONSULTANTS	 SECON BANGALORE - 66					
VILLAGE : BANSDUMA-28			ANCHAL : RAMGARH			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 533/333 KM TO 534/787 KM						
JOB No.			S C A L E			
0C10000305			75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 24.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-572	0

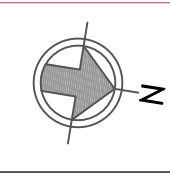


CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

CHAINAGE FROM : 515/186 KM TO 516/046 KM

JOB No.			S C A L E 			
0C10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 17.08.2020	SHEET No.	DRAWING No.	REV.
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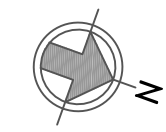
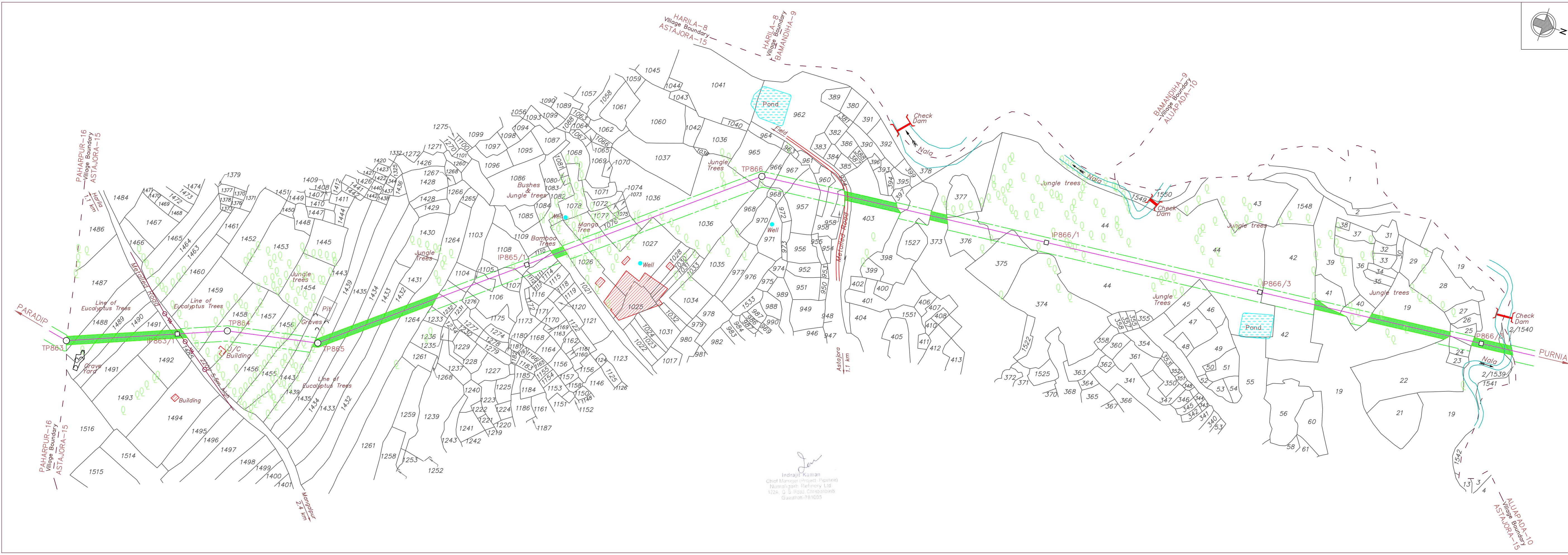
DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-315 & 316



0	19.08.2020	ISSUED FOR CLIENT APPROVAL	<i>J. Veloso</i>	<i>V. Sousa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CHAINAGE FROM : 516/046 KM TO 517/241 KM

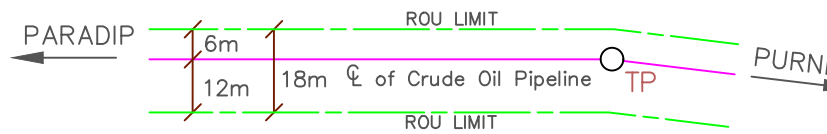
JOB No.			S C A L E 			
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE 19.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-554	0



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-316 & 317

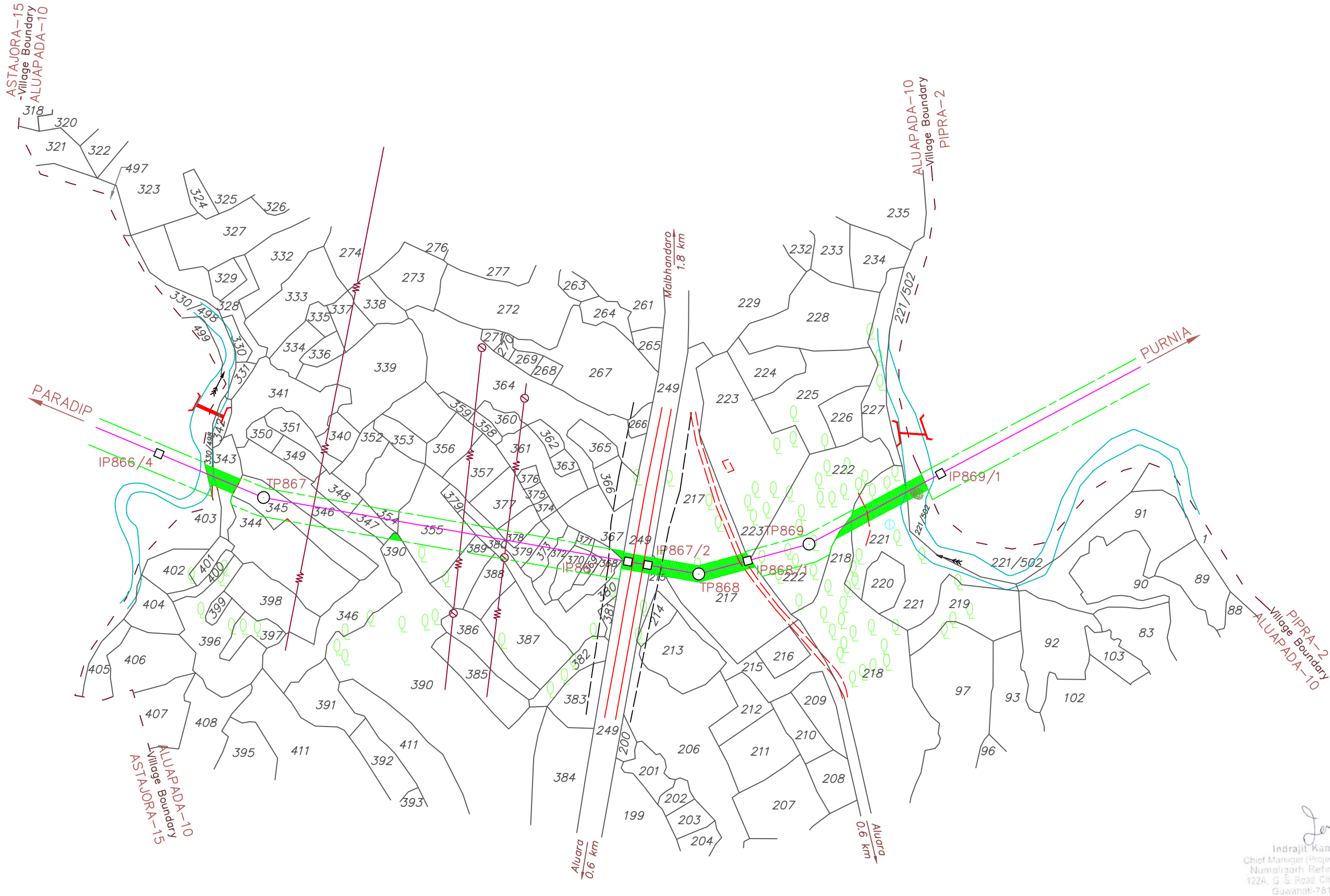
ROU WIDTH OF TRENCH CENTRELINE



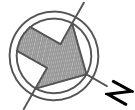
LEGEND

Proposed pipeline. Turning point. Intermediate point.	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	19.08.2020	ISSUED FOR CLIENT APPROVAL	<i>G. Vishwa</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : ASTAJORA-15			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 517/241 KM TO 519/010 KM						
JOB No.			SCALE			
0C10000305			75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 19.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-555	0



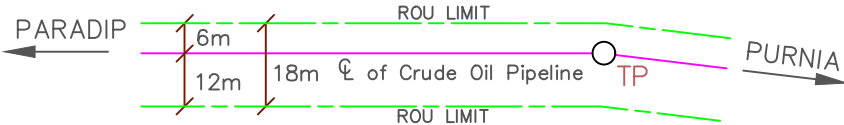
Indrajit Kaman
Chief Manager (Project Pipeline)
Numaligarh Refinery Ltd.
122A, G S Road, Christanbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-317

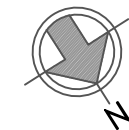
ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	 TP  IP
Power line with pole. Telephone line with pole.	 
Buildings: Permanent. Temporary. Under Construction. ...	  
Nala. Canal. Pond/Water tank.	  
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	  
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	    
Plot Number with limit. Sub division. Village Boundary. ...	  
Forest Area (ROU Width 10m)	

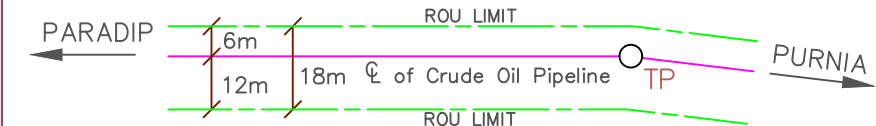
O	19.08.2020	ISSUED FOR CLIENT APPROVAL	S. Uday	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		SECON BANGALORE - 66				
VILLAGE : ALUAPADA-10			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 519/010 KM TO 519/485 KM						
JOB No.		S C A L E				
OC10000305		75m5025075m 1: 2500 OR 1 Cm = 25.0m				
CHECKED BY DATE	SECON	VISHWA	DATE 19.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-556	REV. 0
	CA					



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-317 & 318

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

0	19.08.2020	ISSUED FOR CLIENT APPROVAL		Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
--------	--

PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
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TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
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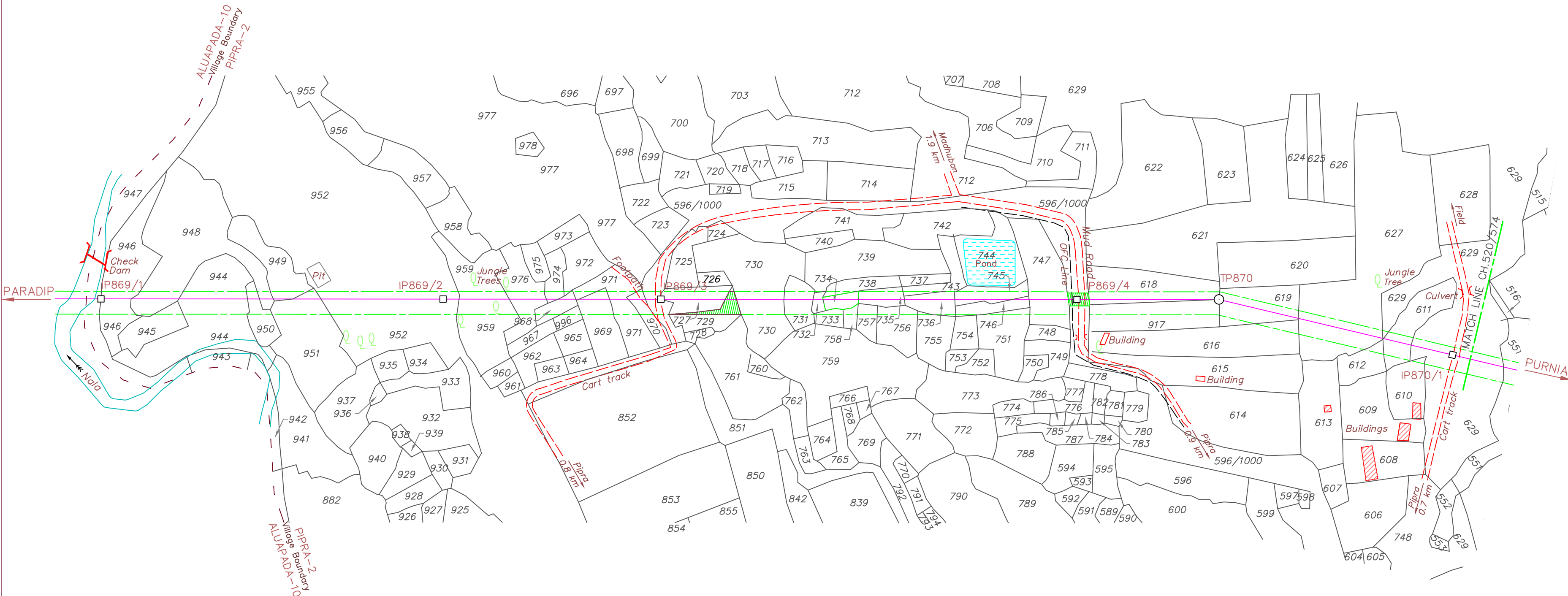
SURVEY CONSULTANTS	SECON BANGALORE - 66
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VILLAGE : PIPRA-2	ANCHAL : KATHIKUND
DISTRICT : DUMKA	STATE : JHARKHAND

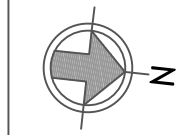
CHAINAGE FROM : 519/485 KM TO 520/574 KM

JOB No.	OC10000305	S C A L E 1:2500 OR 1 Cm = 25.0m			
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CHECKED BY DATE	SECON	VISHWA	DATE 19.08.2020	SHEET No. 1 OF 2	DRAWING No. NRL/PSNPL/LA-557	REV. 0
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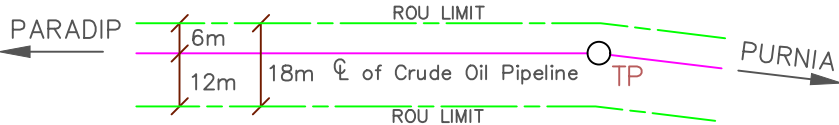
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Chinsurahasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-317 & 318

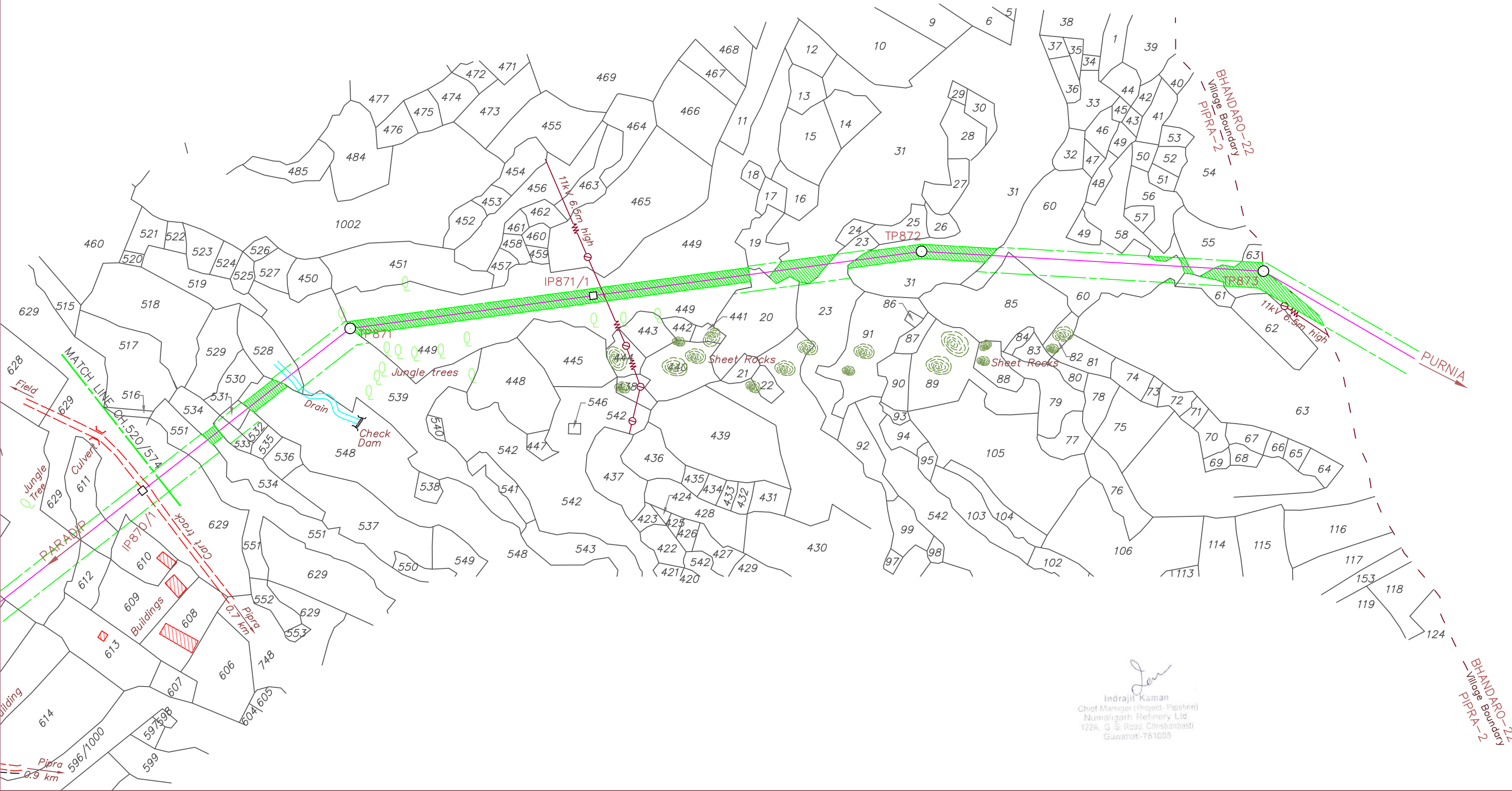
ROU WIDTH OF TRENCH CENTRELINE



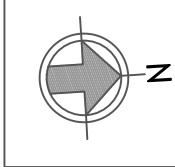
LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	19.08.2020	ISSUED FOR CLIENT APPROVAL	<i>S. Vaidya</i>	<i>Vishwa</i>		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : PIPRA-2			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 520/574 KM TO 521/394 KM						
JOB No.		S C A L E 75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON CA	VISHWA	DATE 19.08.2020	SHEET No. 2 OF 2	DRAWING No. NRL/PSNPL/LA-557	REV. 0



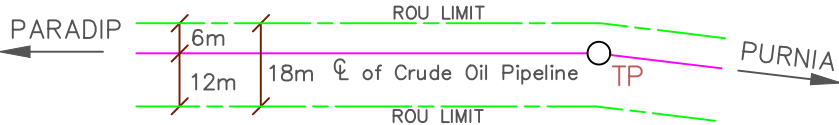
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-318,319 & 320

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

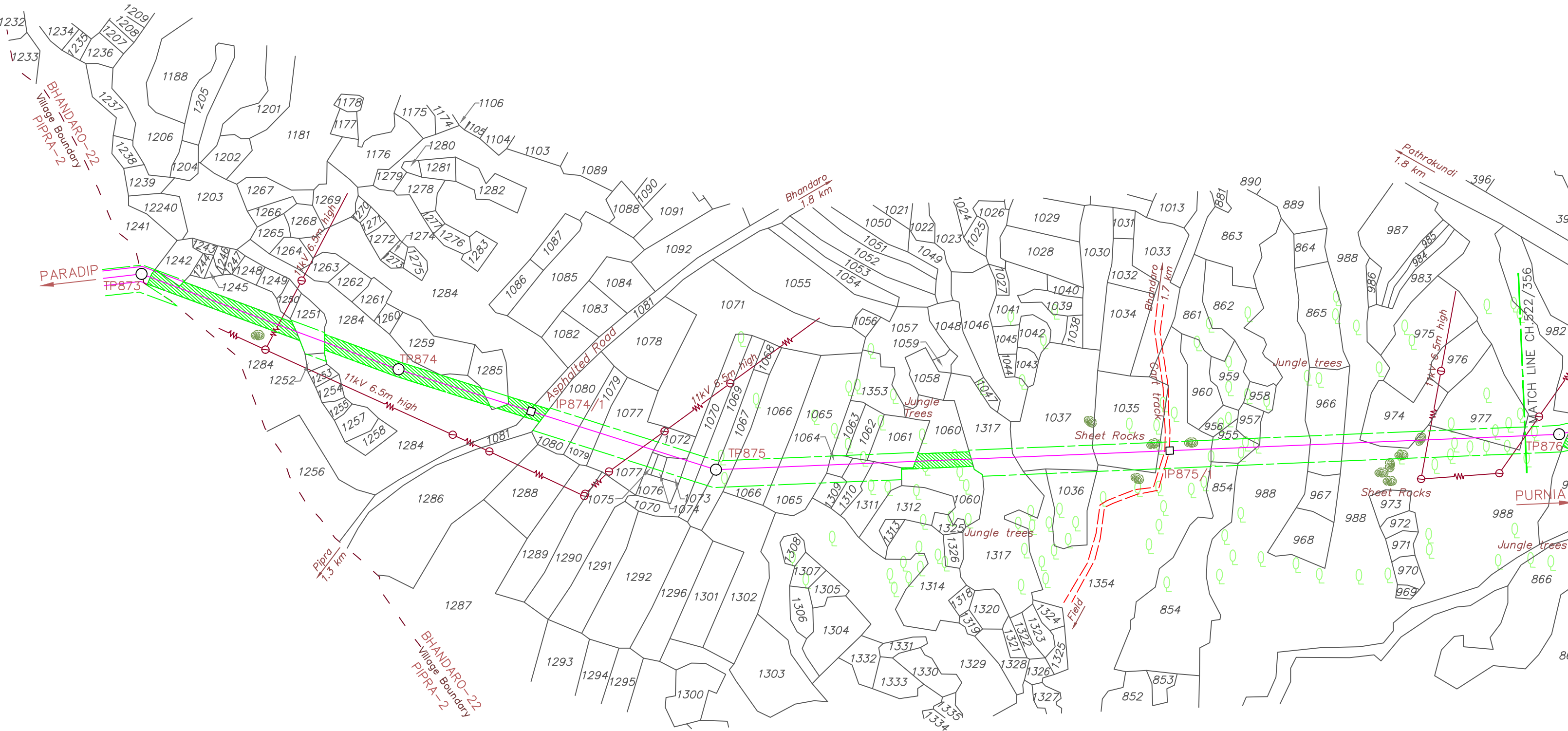
O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF ROU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66

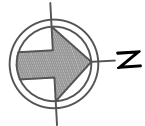
VILLAGE : BHANDARO-22	ANCHAL : KATHIKUND
DISTRICT : DUMKA	STATE : JHARKHAND

CHAINAGE FROM : 521/394 KM TO 522/356 KM

JOB No.			S C A L E			
OC10000305			75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 20.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 2	NRL/PSNPL/LA-558	0



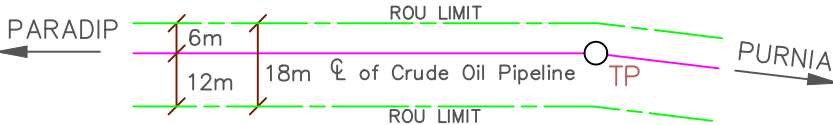
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Chiristanbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-318,319 & 320

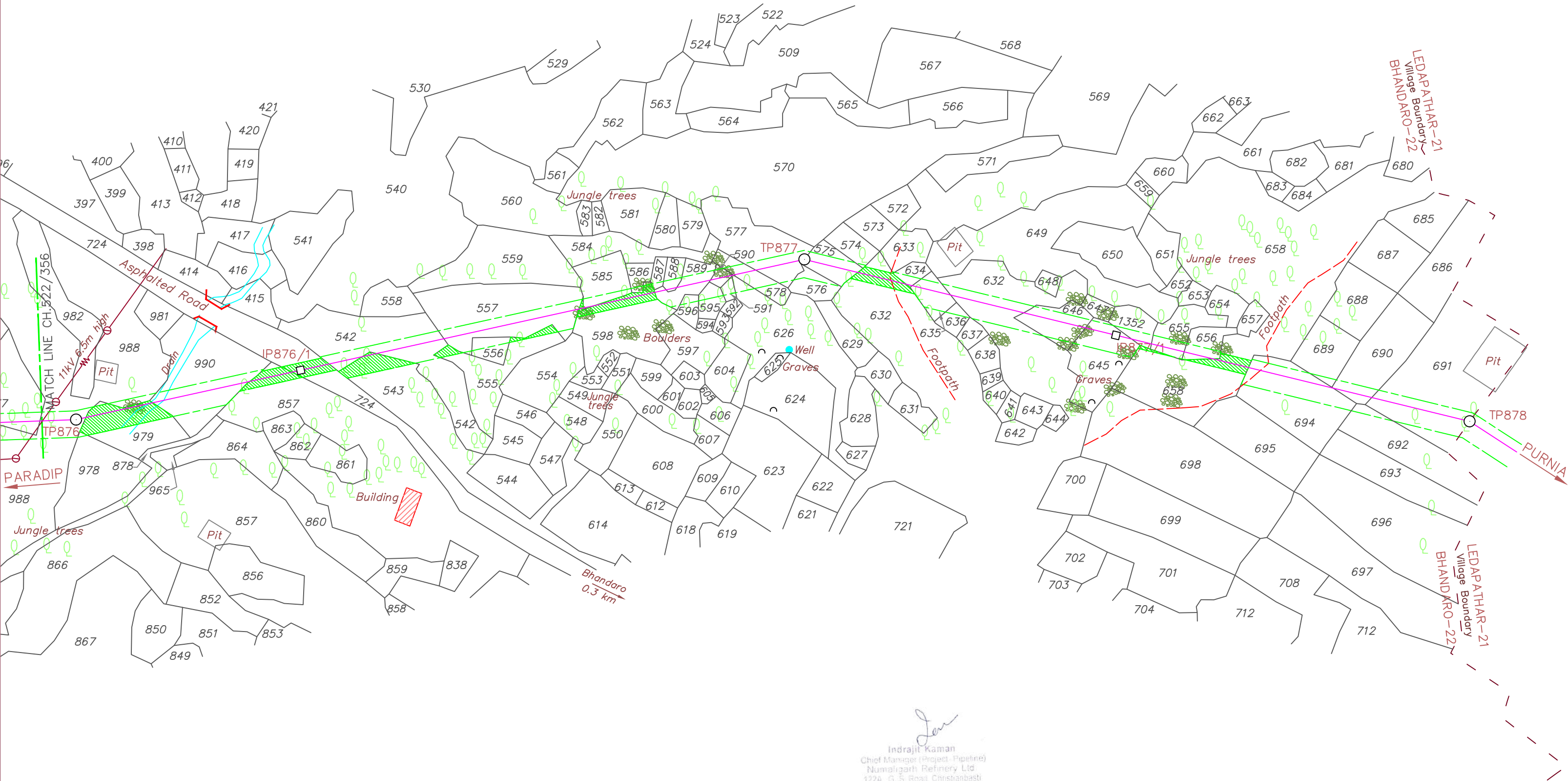
ROU WIDTH OF TRENCH CENTRELINE



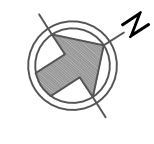
LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL	S. Vishay	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : BHANDARO-22			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 522/356 KM TO 523/348 KM						
JOB No.		S C A L E 75m5025075m 1: 2500 OR 1 Cm = 25.0m				
OC10000305						
CHECKED BY DATE	SECON	VISHWA	DATE	SHEET No.	DRAWING No.	REV.
CA			20.08.2020	2 OF 2	NRL/PSNPL/LA-558	0



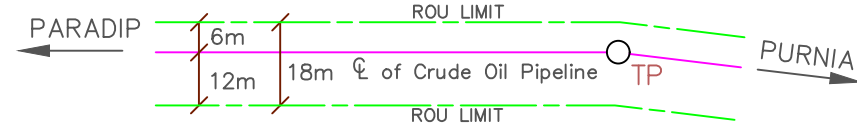
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christanbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-320

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
--------	--

PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
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TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
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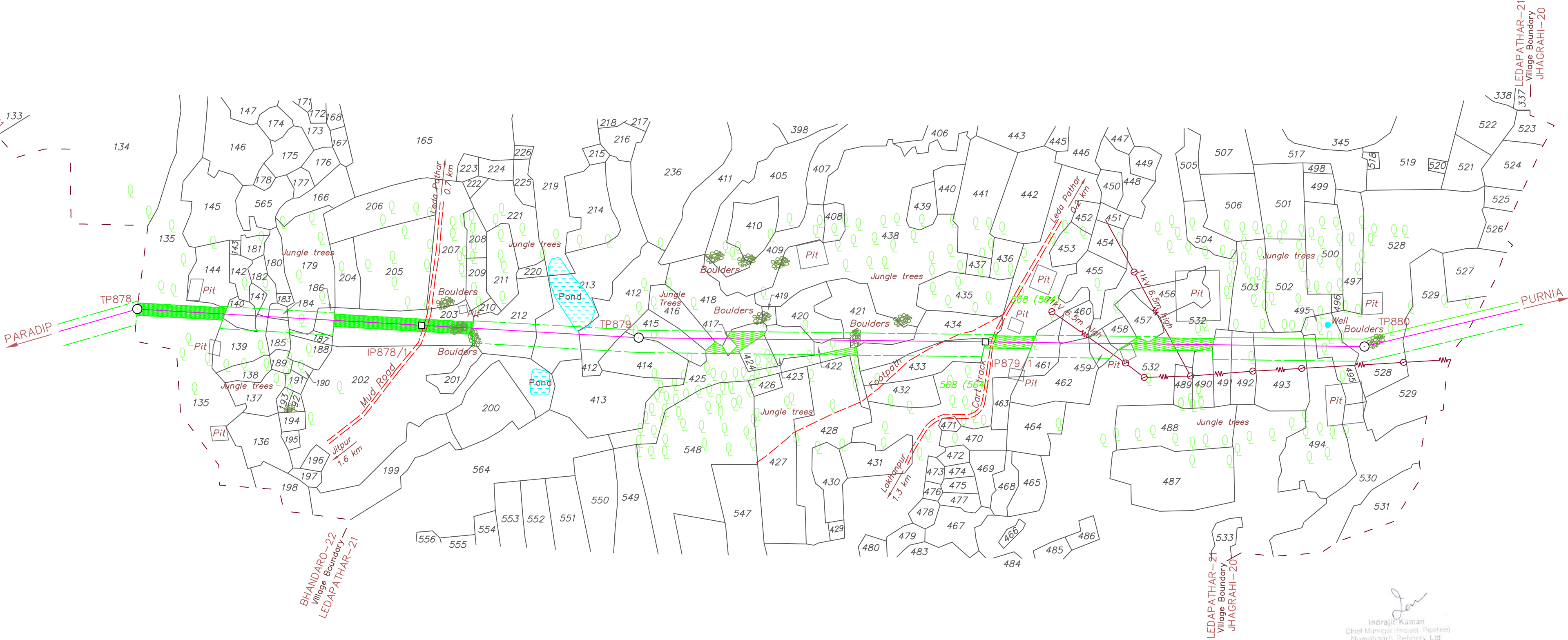
SURVEY CONSULTANTS	SECON BANGALORE - 66
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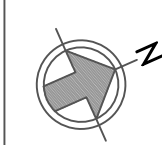
VILLAGE : LEDAPATHAR-21	ANCHAL : KATHIKUND
DISTRICT : DUMKA	STATE : JHARKHAND

CHAINAGE FROM : 523/348 KM TO 524/434 KM

JOB No.	OC10000305	S C A L E 1:2500 OR 1 Cm = 25.0m
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CHECKED BY DATE	SECON	VISHWA	DATE 20.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-559	REV. 0
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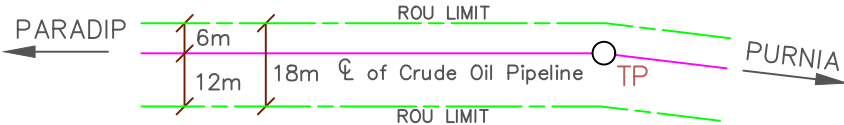




REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-320 & 321

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
--------	--

PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
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TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
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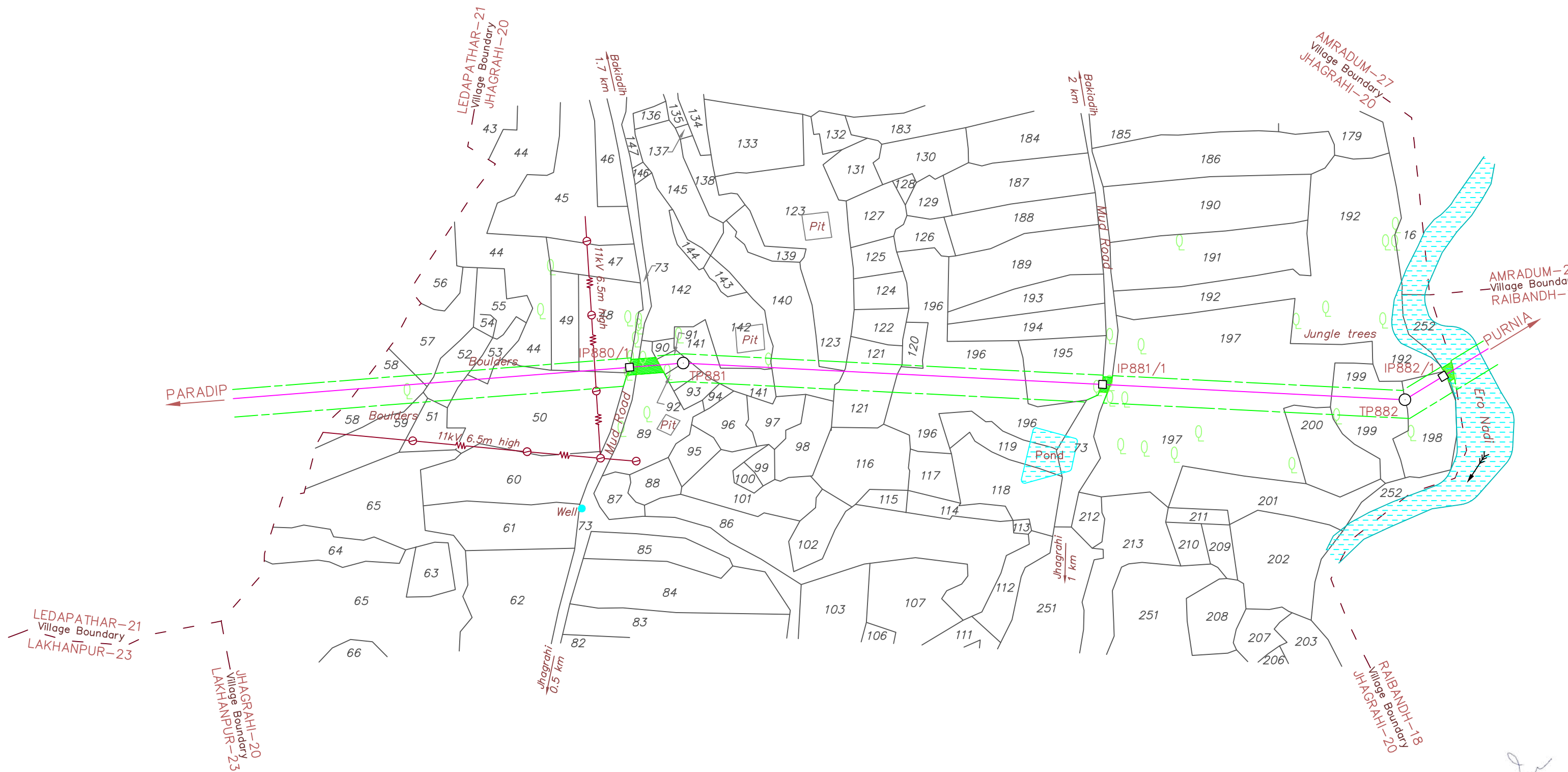
SURVEY CONSULTANTS	SECON BANGALORE - 66
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VILLAGE : JHAGRAHI-20	ANCHAL : KATHIKUND
DISTRICT : DUMKA	STATE : JHARKHAND

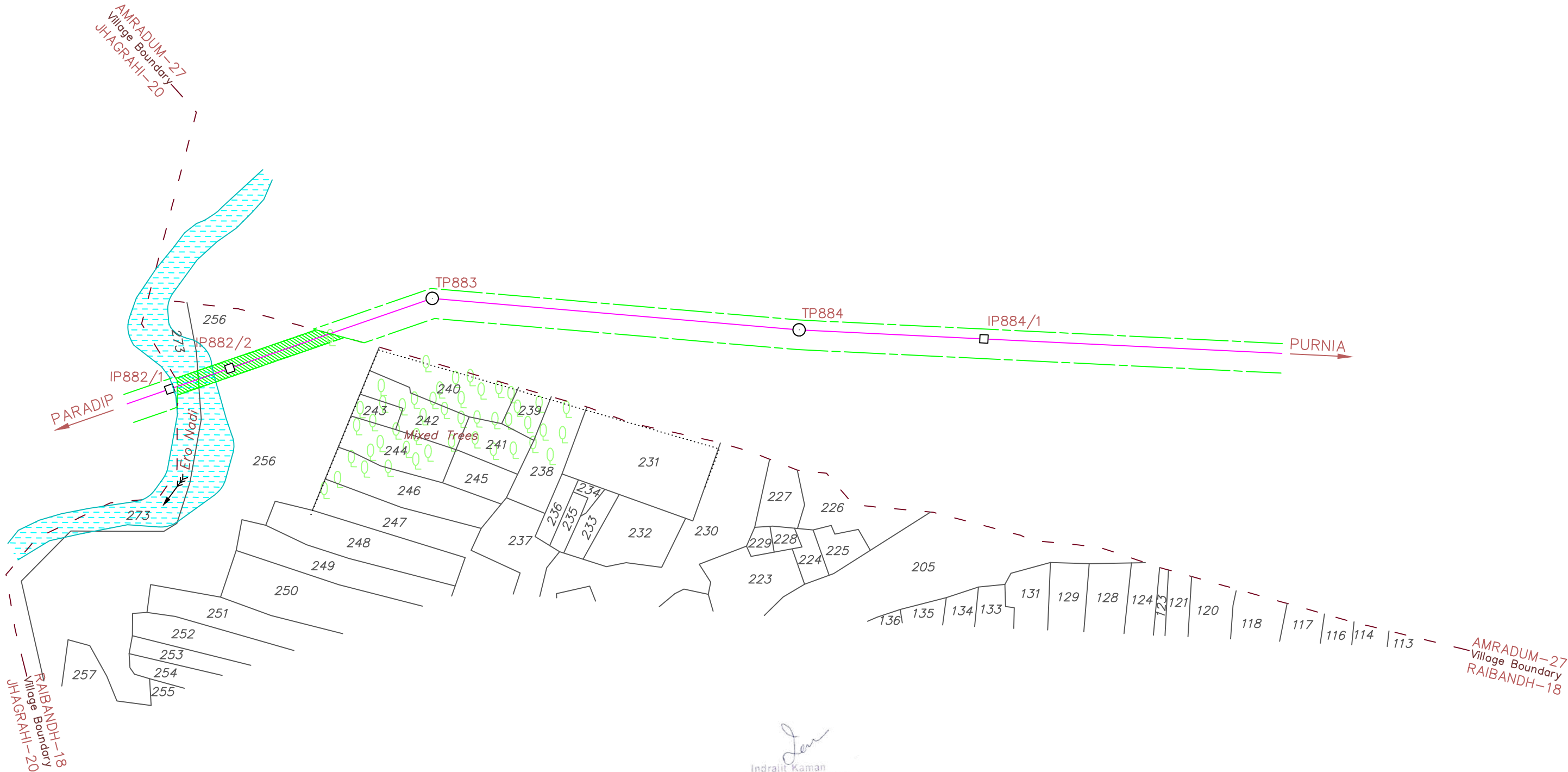
CHAINAGE FROM : 524/434 KM TO 525/151 KM
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JOB No.	S C A L E
OC10000305	

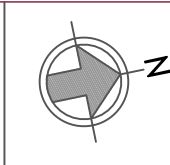
CHECKED BY DATE	SECON	VISHWA	DATE 20.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-560	0



Indrajit Kaman
Chief Manager (Project Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianbasti
Guwahati-781005



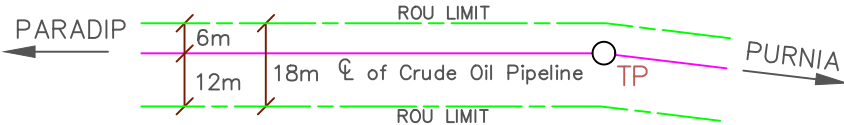
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G S Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-321

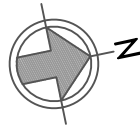
ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

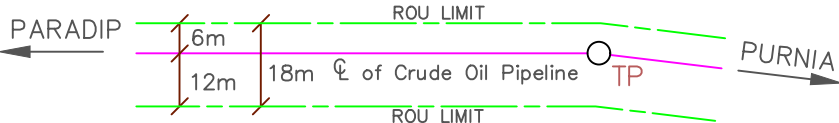
O	20.08.2020	ISSUED FOR CLIENT APPROVAL	S. Vidhaya	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		 SECON BANGALORE - 66				
VILLAGE : RAIBANDH-18			ANCHAL : KATHIKUND			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 525/151 KM TO 525/247 KM						
JOB No.			S C A L E			
0C10000305			75m5025075m 1: 2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE 20.08.2020	SHEET No.	DRAWING No.	REV.
	CA			1 OF 1	NRL/PSNPL/LA-561	0



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-321

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

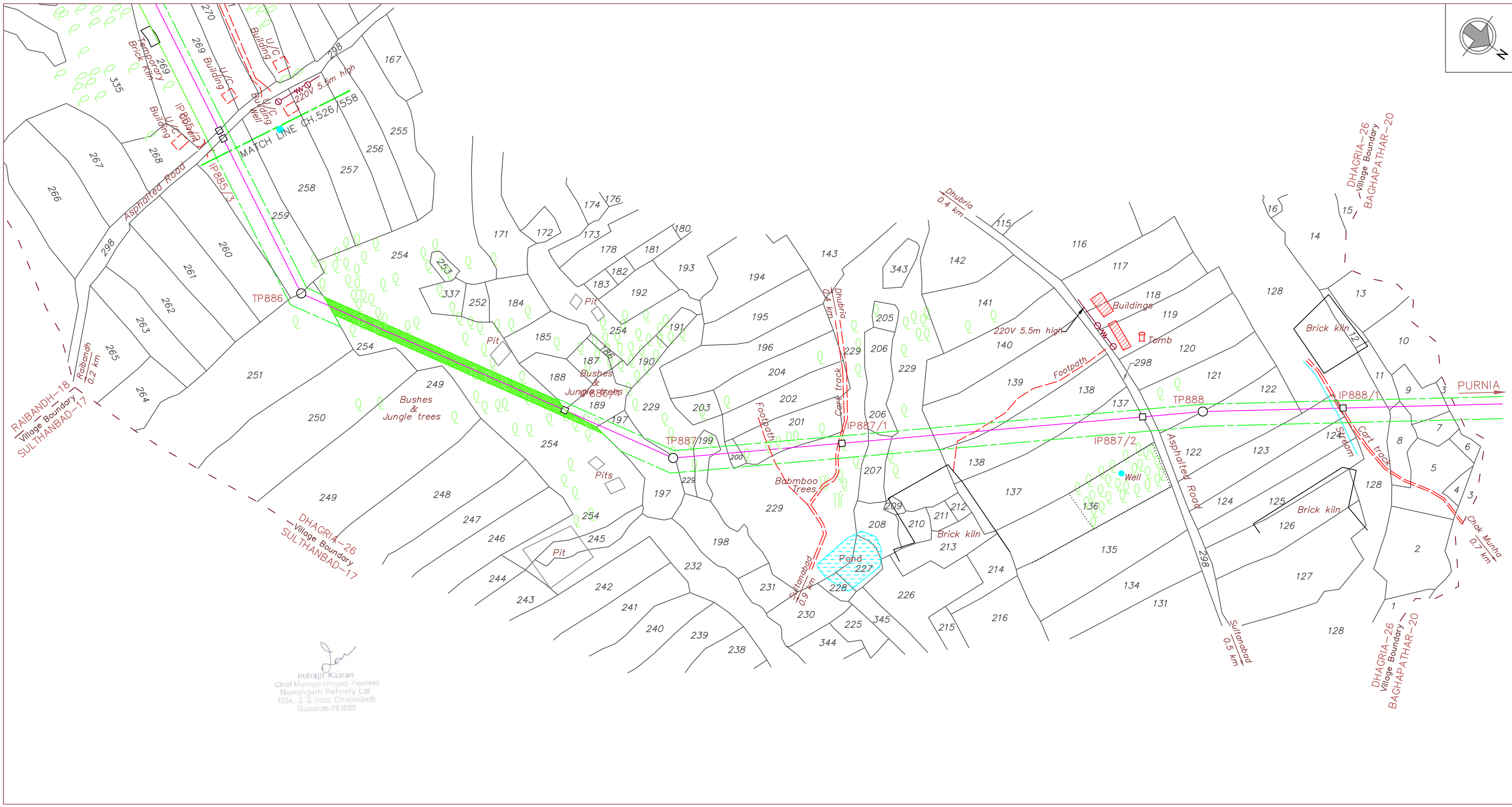
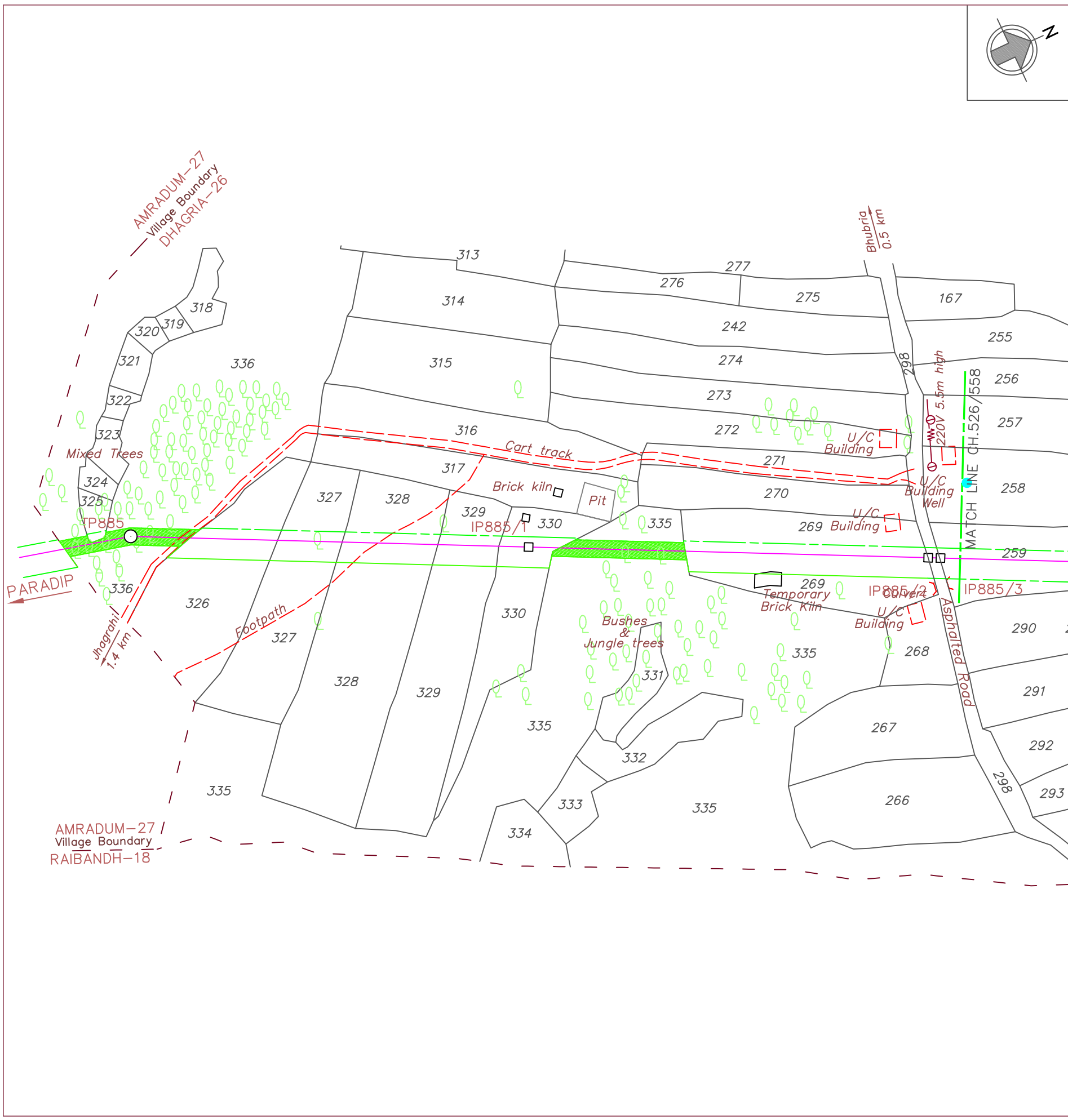
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66
VILLAGE : AMRADUM-27	ANCHAL : DUMKA
DISTRICT : DUMKA	STATE : JHARKHAND

CHAINAGE FROM : 525/297 KM TO 526/032 KM

JOB No.	S C A L E 75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m				
OC10000305					
CHECKED BY DATE	SECON CA	VISHWA	DATE 20.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-562
					REV. 0



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
122A, G. S. Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-321&322

ROU WIDTH OF TRENCH CENTRELINE

PARADIP

16m

18m

12m

ROU LIMIT

℄ of Crude Oil Pipeline

TP

ROU LIMIT

PURNIA

LEGEND

Proposed pipeline. Turning point. Intermediate point.

TP

IP

Power line with pole. Telephone line with pole.

Buildings: Permanent. Temporary. Under Construction. ...

Nala. Canal. Pond/Water tank.

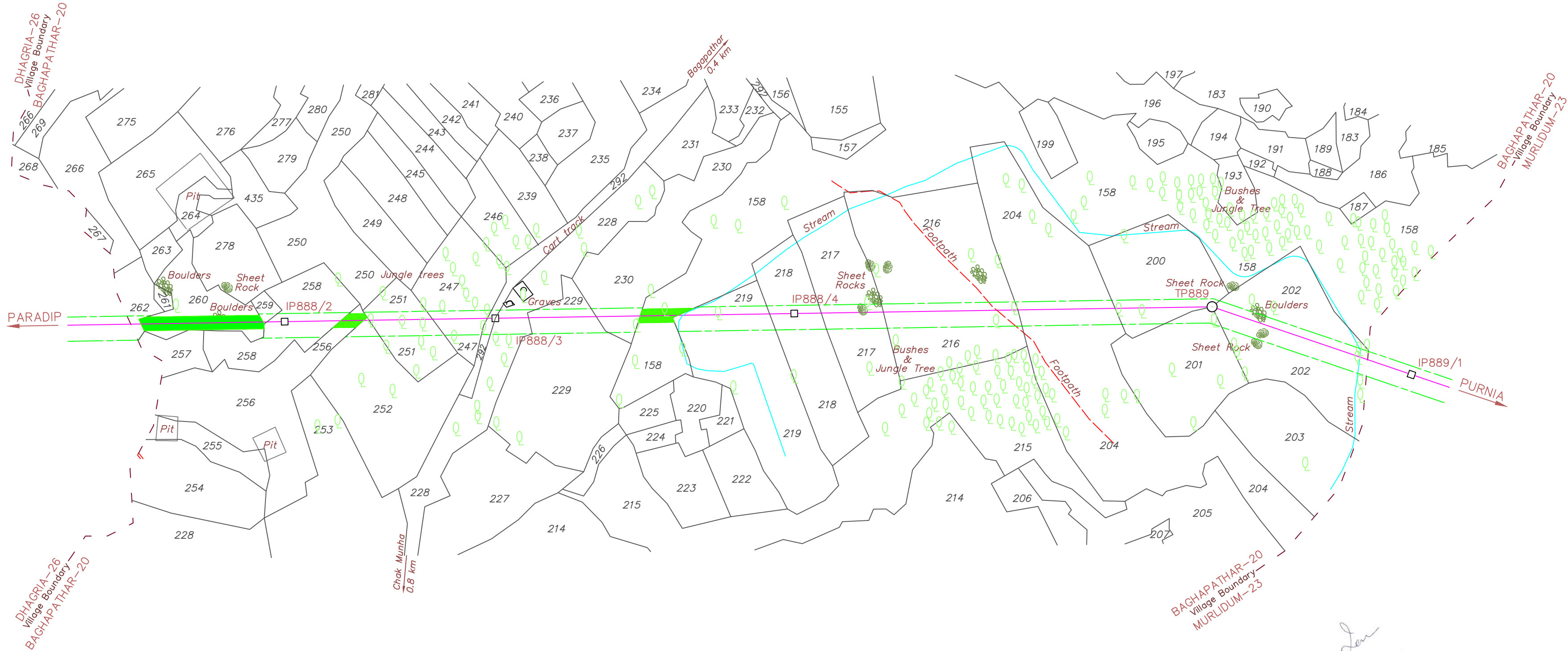
Hand pump. Well: Lined, Unlined. Bore well/Tube well.

Trees: Other. Coconut. Bamboo. Temple. Graves. ...

Plot Number with limit. Sub division. Village Boundary. ...

Forest Area (ROU Width 10m)

O	20.08.2020	ISSUED FOR CLIENT APPROVAL	y. Mishra	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF ROU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA					
SURVEY CONSULTANTS	SECON BANGALORE - 66					
VILLAGE : DHAGRIA-26			ANCHAL : DUMKA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 526/032 KM TO 527/658 KM						
JOB No.		SCALE				
OC10000305		75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m				
CHECKED BY DATE	SECON CA	VISHWA	DATE 20.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-563	REV. 0



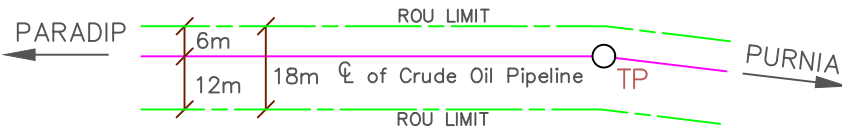
Indrajit Kaman
Chief Manager (Project, Pipeline)
Numaligarh Refinery Ltd.
122A, G S Road, Christianbasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-322&323

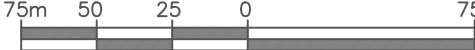
ROU WIDTH OF TRENCH CENTRELINE

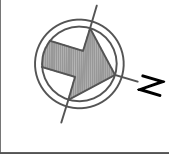


LEGEND

Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

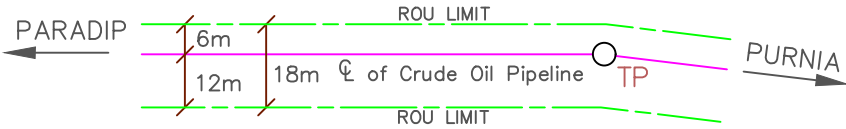
CLIENT	 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005	
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE	
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA	
SURVEY CONSULTANTS	SECON BANGALORE - 66	
VILLAGE : BAGHAPATHAR-20 ANCHAL : DUMKA		
DISTRICT : DUMKA STATE : JHARKHAND		
CHAINAGE FROM : 527/658 KM TO 528/583 KM		
JOB No. OC10000305		S C A L E  1:2500 OR 1 Cm = 25.0m
CHECKED BY DATE	SECON CA	VISHWA
	</	



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-323

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

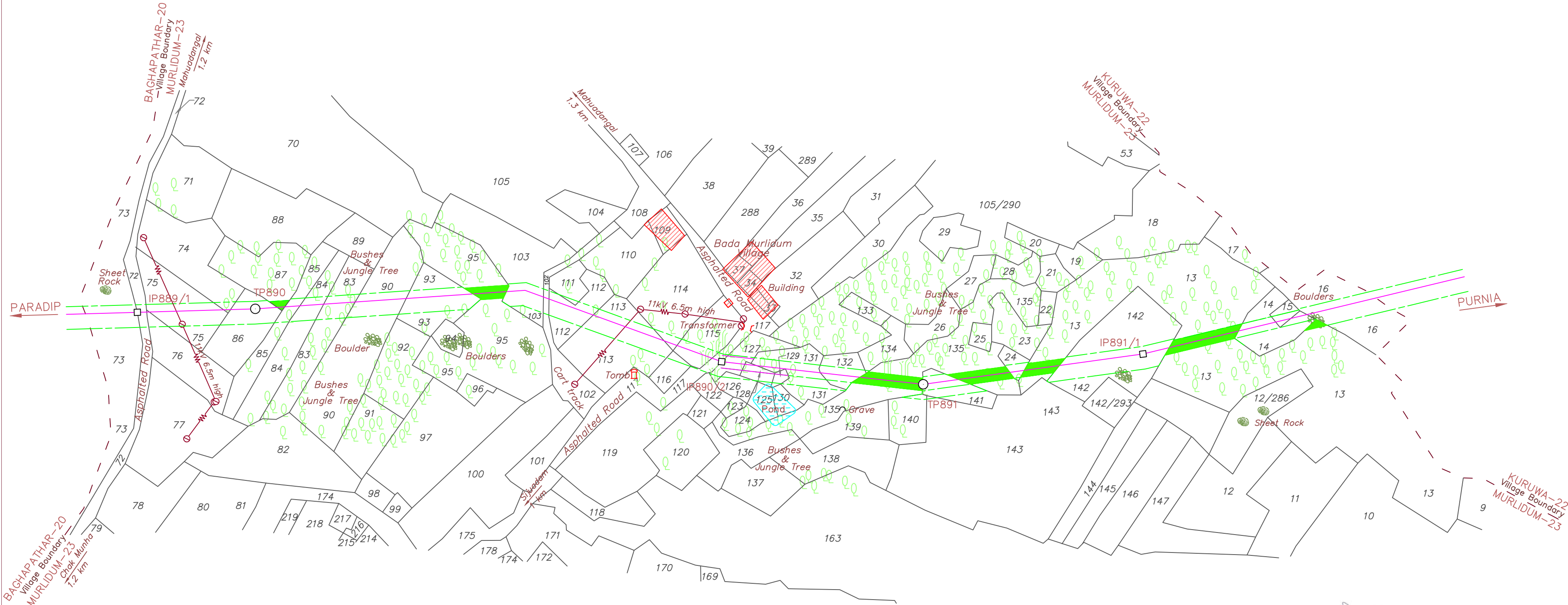
Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

0	20.08.2020	ISSUED FOR CLIENT APPROVAL		V. Mahapatra		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

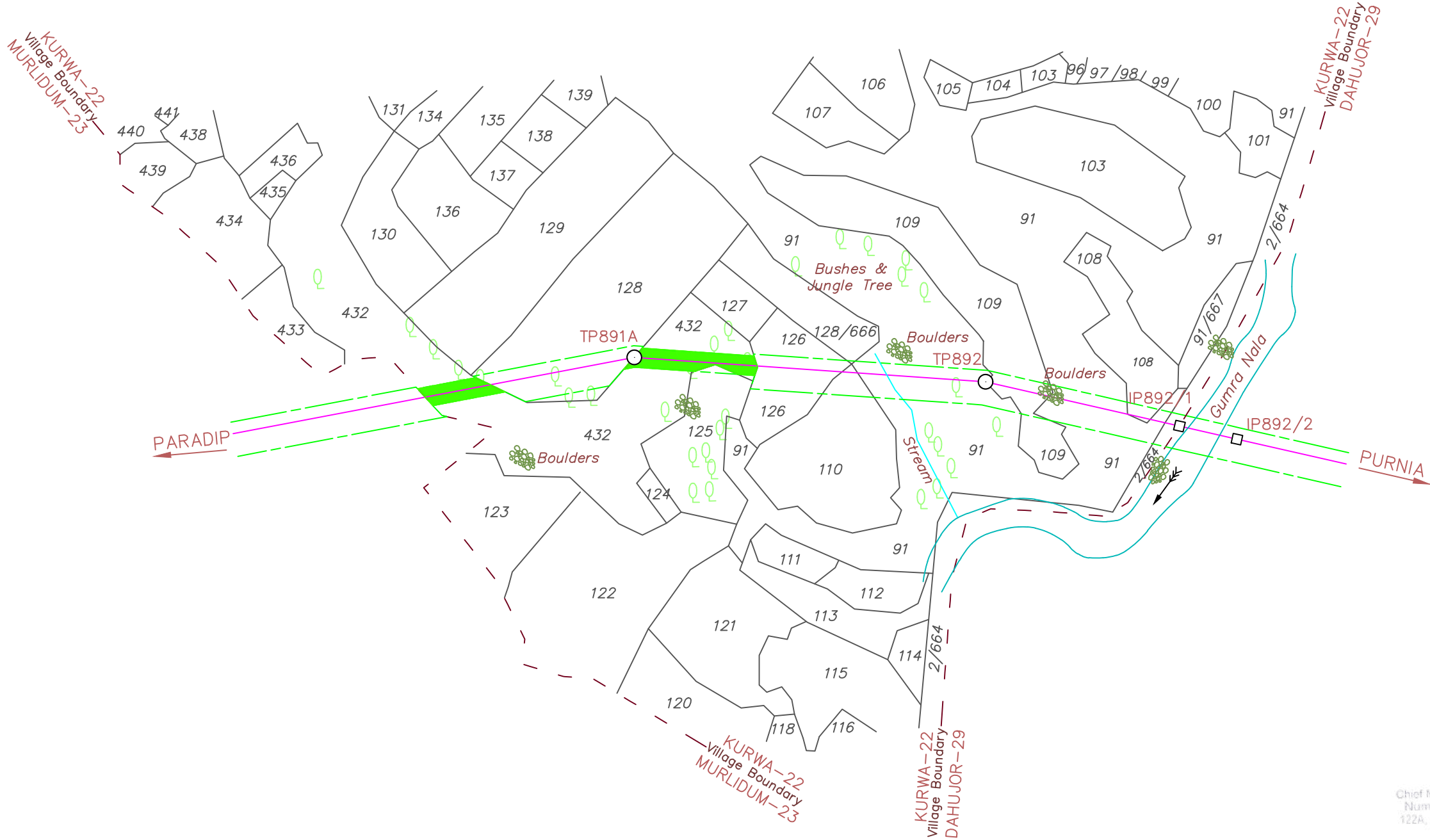
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66
VILLAGE : MURLIDUM-23	ANCHAL : DUMKA
DISTRICT : DUMKA	STATE : JHARKHAND

CHAINAGE FROM : 528/583 KM TO 529/599 KM

JOB No.	OC10000305	SCALE 75m 50 25 0 75m 1:2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON CA	VISHWA	DATE 20.08.2020 SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-565	REV. 0

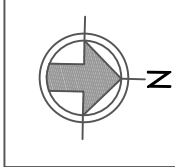


Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd
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Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianbasti
Guwahati-781005

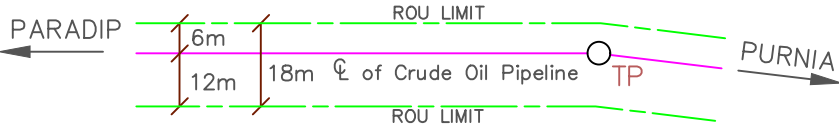
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	DRAWING TITLE			DRAWING No.		
	ROUTE MAP 1:50,000 SCALE			NRL/PSNPL/RM-14		
ALIGNMENT SHEET 1:2500 SCALE			NRL/PSNPL/ALN-323			
ROU WIDTH OF TRENCH CENTRELINE						
LEGEND						
Proposed pipeline. Turning point. Intermediate point.....				TP IP		
Power line with pole. Telephone line with pole.						
Buildings: Permanent. Temporary. Under Construction. ...						
Nala. Canal. Pond/Water tank.						
Hand pump. Well: Lined, Unlined. Bore well/Tube well.						
Trees: Other. Coconut. Bamboo. Temple. Graves. ...						
Plot Number with limit. Sub division. Village Boundary. ...				223 223/1		
Forest Area (ROU Width 10m)						
O	02.11.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005					
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE					
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA					
SURVEY CONSULTANTS	SECON BANGALORE - 66					
VILLAGE : KURWA-22			ANCHAL : DUMKA			
DISTRICT : DUMKA			STATE : JHARKHAND			
CHAINAGE FROM : 529/599 KM TO 530/013 KM						
JOB No.			S C A L E			
0C10000305			1: 2500 OR 1 Cm = 25.0m			
CHECKED BY DATE	SECON	VISHWA	DATE	SHEET No.	DRAWING No.	REV.
	CA		02.11.2020	1 OF 1	NRL/PSNPL/LA-566	0



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-324

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

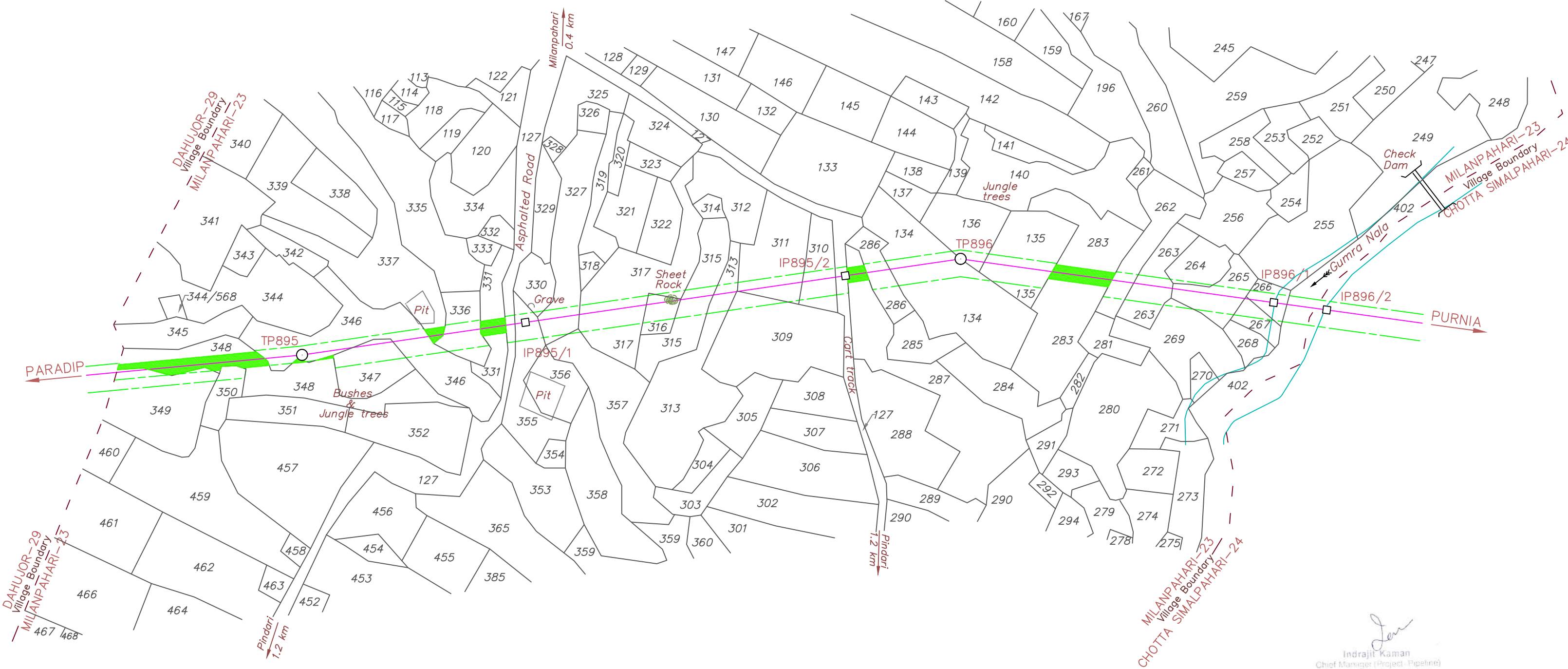
Proposed pipeline. Turning point. Intermediate point.....	
Power line with pole. Telephone line with pole.	
Buildings: Permanent. Temporary. Under Construction. ...	
Nala. Canal. Pond/Water tank.	
Hand pump. Well: Lined, Unlined. Bore well/Tube well.	
Trees: Other. Coconut. Bamboo. Temple. Graves. ...	
Plot Number with limit. Sub division. Village Boundary. ...	
Forest Area (ROU Width 10m)	

O	20.08.2020	ISSUED FOR CLIENT APPROVAL				
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR

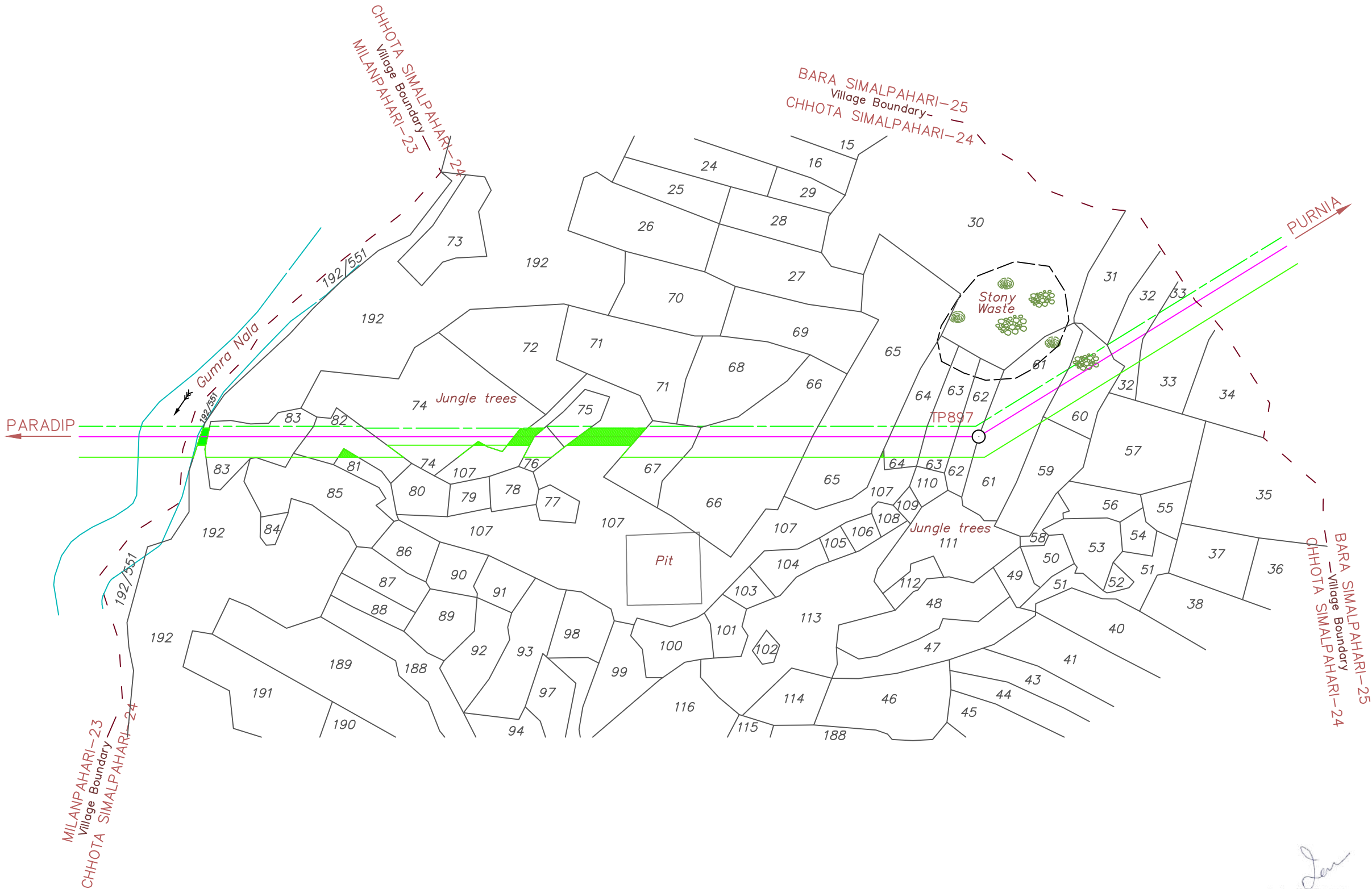
CLIENT	NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005
PROJECT	ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE
TITLE	CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA
SURVEY CONSULTANTS	SECON BANGALORE - 66
VILLAGE : MILANPAHARI-23	ANCHAL : RAMGARH
DISTRICT : DUMKA	STATE : JHARKHAND

CHAINAGE FROM : 530/631 KM TO 531/451 KM

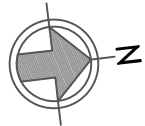
JOB No.	S C A L E 75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m				
OC10000305	DATE 20.08.2020	SHEET No.	DRAWING No.	REV.	
CHECKED BY DATE	SECON CA	VISHWA	1 OF 1	NRL/PSNPL/LA-568	0



Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
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Guwahati-781005



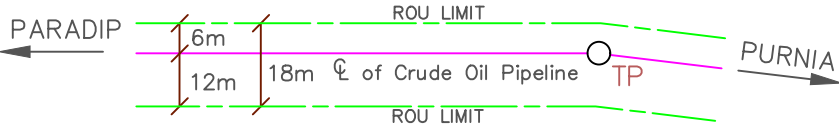
Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Chinshambasti
Guwahati-781005



REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.
ROUTE MAP 1:50,000 SCALE	NRL/PSNPL/RM-14
ALIGNMENT SHEET 1:2500 SCALE	NRL/PSNPL/ALN-324 & 325

ROU WIDTH OF TRENCH CENTRELINE



LEGEND

Proposed pipeline. Turning point. Intermediate point.....			
Power line with pole. Telephone line with pole.			
Buildings: Permanent. Temporary. Under Construction. ...			
Nala. Canal. Pond/Water tank.			
Hand pump. Well: Lined, Unlined. Bore well/Tube well.			
Trees: Other. Coconut. Bamboo. Temple. Graves. ...			
Plot Number with limit. Sub division. Village Boundary. ...			
Forest Area (ROU Width 10m)			

O	20.08.2020	ISSUED FOR CLIENT APPROVAL	G. Vishay	Vishwa		
No.	DATE	REVISIONS	BY	CHKD	APPD	PROJ ENGR
CLIENT		 NUMALIGARH REFINERY LIMITED (A Govt. of India Enterprise) GUWAHATI-781005				
PROJECT		ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY, ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR PARADIP TO NUMALIGARH CRUDE OIL PIPELINE				
TITLE		CADASTRAL SURVEY PLAN SECTION : BARDDHAMAN TO PURNIA				
SURVEY CONSULTANTS		SECON BANGALORE - 66				
VILLAGE : CHHOTA SIMALPAHARI-24 ANCHAL : RAMGARH DISTRICT : DUMKA STATE : JHARKHAND						
CHAINAGE FROM : 531/522 KM TO 532/130 KM						
JOB No.			S C A L E 75m 50 25 0 75m 1: 2500 OR 1 Cm = 25.0m			
OC10000305						
CHECKED BY DATE	SECON CA	VISHWA	DATE 20.08.2020	SHEET No. 1 OF 1	DRAWING No. NRL/PSNPL/LA-569	REV. 0