GENERAL NOTES:

CONTRACTOR TO INSTALL THE PROPOSED GAS MAIN TO THE ELEVATIONS SHOWN ON THE PLANS USING THE BENCHMARKS PROVIDED. APPROXIMATE COVER SHOWN AFTER THE REQUIRED ELEVATION IS FOR INFORMATION PURPOSES ONLY.

PORTOGES ONLT.

BACKFILL WITH SAND WHERE PIPE TRENCH IS UNDER OR WITHIN 2' OF PAVEMENT, CURB, OR SIDEWALK.

INSTALL PROPOSED MAIN USING ROAD STATIONING WHERE GIVEN. OTHER DIMENSIONS ARE FOR MAPPING PURPOSES

PURPOSES ONLY.

2. BACKFILL WITH SAND WHERE PIPE TRENCH IS UNDER OR WITHIN 2' OF PAMEMENT, CURB, OR SIDEWALK.

3. INSTALL PROPOSED MAIN USING ROAD STATIONING WHERE GIVEN. OTHER DIMENSIONS ARE FOR MAPPING PURPOSES.

4. ALL, RIGHT-OF-WAY MUST BE STAKED AND STATIONING PROVIDED BEFORE GAS MAIN CAN BE INSTALLED.

5. INSTALL ALL MAIN WITH A MINIMUM COVER OF A' BELOW EXISTING GRADE IN LAKE COUNTY FINITH-OF-WAY.

6. PIPE, CONTRACTOR SHALL INSTALL THE PROPOSED SET CROSSING CONCRETE, ASPHALT, MACADAM, OR OTHER HARD SURPACED. PAWEMENTS, WALKS, OR DRIVEWAYS BY CROSSING CONCRETE, ASPHALT, MACADAM, OR OTHER HARD SURPACED. PAWEMENTS, WALKS, OR DRIVEWAYS BY CROSSING CONCRETE, ASPHALT, MACADAM, OR OTHER HARD SURPACED. PAWEMENTS, WALKS, OR DRIVEWAYS BY CROSSING CONCRETE, ASPHALT, MACADAM, OR OTHER HARD SURPACED.

FERMANENT REPAIRS TO BE COMPLETED BY OTHERS.

7. CONTRACTOR SHALL PRINSH AND INSTALL ALL CAPS AND OTHER FITTINGS NECESSARY FOR CONTRACTORS.

8. RETIRE OLD MAIN PER CCS 849.

9. RETIRE OLD MAIN PER CCS 849.

10. IT IS THE RESPONSIBILITY OF THE NICOR GAS INSPECTOR, CONTRACTOR AND ANYONE PROTUVED IN THE CONSTRUCTION OF THE FACILITIES TO FOLLOW THE LAYEST NICOR GAS GMS AND GCS SPECIFICATIONS. CONTACT NICOR'S TECHNICAL, SERVICES DEPARTMENT, MARK TUPY, SENDING CODES AND STANDARDS ENGINEER, AT (630) 388–2322 FOR A COPY OF THE LATEST EDITION.

10. IT IS THE RESPONSIBILITY OF THE LATEST EDITION.

11. ANY PROPOSED DIRECTIONALLY BORDE PIPE TO BE INSTALLED PIPE MICOR GAS DIRECTIONAL BORING GUIDELINES DATED DECEMBER 15, 2005.

12. ANY PROPOSED DIRECTIONALLY BORDE PIPE TO BE INSTALLED PIPE MICOR GAS DIRECTIONAL BORING GUIDELINES DATED DECEMBER 15, 2005.

13. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. CONTRACTOR SHALL CONTROL FOR ALL UTILITY PERMITS' AND ENVIRONMENTAL SPECUL CONDITION FOR ALL UTILITY PERMITS' AND ENVIRONMENTAL SPECUL CONDITIONS FOR CONSTRUCTION FOR ALL UTILITY PERMITS' AND ENVIRONMENTAL SPECUL CONDITION FOR ALL UTILITY PERMITS' AND ENVIRONMENTAL SPECUL CONDITION FOR ALL UTILITY PERM

DATED THIS DAY OF,	20	
OWNER OF ATTORNEY		
. ENGINEER	(SEAL)	

ENVIRONMENTAL NOTES:

PCB WIPE SAMPLES, PERFORMED BY NICOR GAS EMPLOYEES, ARE REQUIRED FOR ALL 4° AND LARGER PIPE THAT IS ABANDONED OR REMOVED ON THIS WORK ORDER. DIRECT QUESTIONS ON PCB WIPE SAMPLE PROCEDURES TO THE SYSTEM OPERATIONS DEPARTMENT OF ENVIRONMENTAL, HEALTH AND SAFETY (630) 388—2381.

COLLECT AND PROPERLY DISPOSE OF ALL LIQUIDS FROM PIPELINES BEING RETIRED. ANY SPILLS FROM PIPELINES SHOULD BE IMMEDIATELY CONTAINED. REFER TO STANDARD PRACTICE ENVIRONMENTAL—5.

ANY RETIRED PIPE THAT MUST BE REMOVED FROM THE SITE SHOULD HAVE THE ENDS COVERED WITH PLASTIC OR SIMILAR MATERIAL UNTIL THE PCB WIPE SAMPLE LAB RESULTS ARE KNOWN. INDICATE ON THE "NICOR GAS PCB SAMPLE INFORMATION FORM" WHERE ANY PIPE REMOVE IF ASBESTOS COAL WIRAP IS IDENTIFIED, REFER TO ASBESTOS COAL TAR WRAP REMOVAL GUIDELINES TO BE COMPLETED BY A TRAINED EMPLOYEE FOR ANY QUESTIONS OF PROCEDURE OR TRAINED EMPLOYEES, CALL KEITH BODGER IN ENVIRONMENTAL, HEALTH AND SAFETY © (630) 388—2381 IF CONTAMINATED SOIL IS SUSPECTED, CALL THE ENVIRONMENTAL, HEALTH AND SAFETY DEPARTMENT AT (630) 388—2381 ALL WETLANDS SHOULD BE IDENTIFIED ON THESE WORK ORDER DRAWINGS. IF THERE IS A QUESTION ABOUT THE WETLAND BOUNDARIES OR BUFFERS, PLEASE CALL JULIE PASCHAL AT (630) 388—3057. IF THE AREA DISTURBED DURING CONSTRUCTION IS GREATER THAN ONE ACRE IN SIZE, THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE NICOR GAS STORM WATER POLLUTION PREVENTION PLAN, LATEST EDITION. CONTACT JULIE PASCHAL AT (630) 388—3057 IN THE ENVIRONMENTAL, IF BORING IS TO OCCUR NEAR A WETLAND OR WATER BODY AND A FRACTURE IS ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE HEALTH AND SAFETY DEPARTMENT.

IF BORING IS TO OCCUR NEAR A WETLAND OR WATER BODY AND A FRACTURE IS ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR DEPARTMENT.

IF BORING IS TO OCCUR NEAR A WETLAND OR WATER BODY AND A FRACTURE IS ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR DEPARTMENT.

IF BORING IS TO OCCUR NEAR A WETLAND OR WATER BODY AND A FRACTURE IS ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR DEPARTMENT.

DEPARTMENT.

REFULE AND STORE EQUIPMENT 100 FEET FROM WETLAND OR WATER BODY.

INSTALL SOIL AND EROSION CONTROL PROTECTION TO PROTECT ANY OPEN GRATED STRUCTURES, I.E. INLETS, CATCH BASINS, OR MANHOLES

WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT LOCATION.

IF MUD IS BEING TRACKED ON STREETS BY EQUIPMENT AND/OR VEHICLES, THEN DAILY STREET SWEEPING WILL BE RESTORED TO ORIGINAL CONTOURS AND CONDITIONS. RESTORATION MUST BE COMPLETED WITHIN 7 TO 14 DAYS

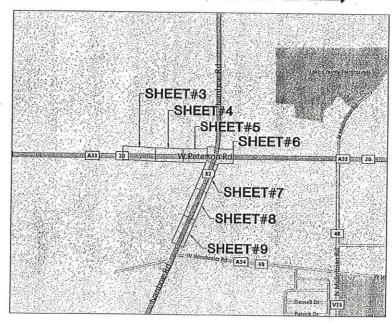
DEPENDING ON PERMIT CONDITIONS.

REQUIRED	APPROVED DATE	
	-	
	-	
	REQUIRED	REQUIRED APPROVED

REQUIRED PERMITS. APPROVAL BEFORE CONSTRUCTION	REQUIRED	APPROVED
ENGINEERING:		
C.P.L APPROVAL/REVIEW		
REGION APPROVAL/REVIEW		-
ENVIRONMENTAL APPROVAL/REVIEW		-
G.O APPROVAL/REVIEW		
MISC.		
TO BE REVISED		-
ON HOLD		
CANCELED		



NICOR GAS CONSTRUCTION **PUBLIC IMPROVEMENT** FOR LAKE COUNTY DOT PETERSON ROAD AND IL ROUTE 83 GRAYSLAKE & ROUND LAKE PARK, ILLINOIS W.O. 127907/327907 (NON-REIMBURSABLE) W.O. 127994/327994/427994 - PARTIAL (100% REIMBURSABLE)





	BENCHMARK SUMMARY	
BM #15	CUT SQ. S. SIDE MAST ARM BASE AT NE COR RTE 83 & PETERSON RD.	ELEVATION = 835.07



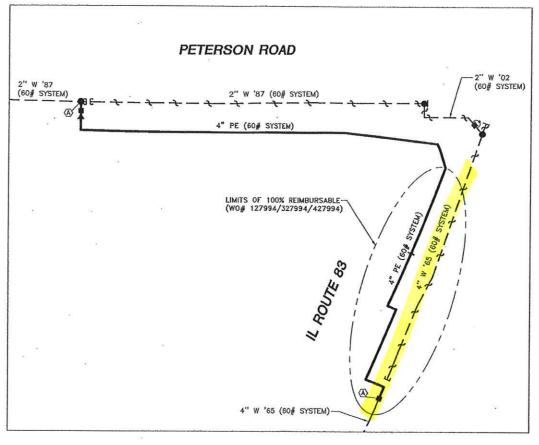
unescribe.	IDENTIFIED B	Y NICOR UTILITY INS	PECTOR	COMPLETED BY NICOR GAS*			
WIPE TEST #	WORK ORDER PAGE	TEST LOCATION	PIPE	PIPE MATERIAL	DATE TEST COMPLETED	COMMENTS	

NICOR UTILITY INSPECTOR TO IDENTIFY TEST LOCATIONS BASED UPON THE CRITERION OF ONE TEST FOR EACH "CUT AND CAP" ON PIPE THAT MEASURES FOUR INCHES IN DIAMETER OR GREATER. EN ENGINEERING AND NOOR GAS UNDERSTAND THAT ITELD PERSONNEL MAY DECIDE TO MOVE "CUT AND CAP" LOCATIONS, DELETE
"CUT AND CAPS", OR CONDUCT ADDITIONAL "CUT AND CAPS". EN ENGINEERING UNDERSTANDS THAT NICOR GAS WILL INCLUDE WIPE TESTS AS PART OF THEIR ROUTINES TO COMPLETE A "CUT AND CAP" AND IT IS THE RESPONSIBILITY OF NICOR GAS TO ASSURE THAT NECESSARY WIPE TESTS ARE CONDUCTED AS REQUIRED.

DRAWING -	SHEET	DESCRIPTION
NW46114A-	- 1	LOCATION MAP AND WIPE TEST TABLE
NW46114A-	- 2	SITE PLAN, TEST DATA, SYMBOL LEGEND & WORK ORDER QUANTITIES
NW46114A-	- 3	PETERSON ROAD (STA 114+00 TO STA 120+00)
NW46114A-	- 4	PETERSON ROAD (STA 120+00 TO STA 125+00)
NW46114A-	- 5	PETERSON ROAD (STA 125+00 TO STA 129+50)
NW46114A	- 6	PETERSON ROAD & IL ROUTE 83 (STA 129+50 TO STA 134+50)
NW46114A-	- 7	IL ROUTE 83 (STA 93+00 TO STA 98+00)
NW46114A	- 8	IL ROUTE 83 (STA 87+50 TO STA 93+00)
NW46114A-	- 9	IL ROUTE 83 (STA 82+00 TO STA 87+50)
NW46114A-	- 10	PETERSON ROAD, PROFILE #1 & #2 (STA 114+00 TO STA 125+00)
NW46114A-	- 11	PETERSON ROAD, PROFILE #3 (STA 125+00 TO STA 130+00)
NW46114A	- 12	LAKE COUNTY EROSION CONTROL NOTES & ENVIRONMENTAL DETAILS
NW46114A-	- 13	I.D.O.T. & L.C.D.O.T. STANDARD DRAWINGS

CONFLICTS WITH PROPOSED STORM SEWER AND DITCH CUTS

SEALED BY: STOCKERS	SEALED ON: 8/8/12	PREPARED FOR:					
UCENSED PROFESSIONAL ENGINEER OF STANDARD	UCENSE EXPIRATION:	PREPARED BY: ENGIGIN 7135 JANES AN WOODRIDGE, IL. TEL. 630–535. FAX 630–353. WW.ENENGINEER	/ENUE 80517 -4000				
APPROVED CONSTRUC		ROUND LAKE PARK 44N	1/4 SECTION: 113 110E 3PM 114 EER/DESIGNER: 05/25/12				
		WORK ORDER NO.127907/327907 DRAWN 127994/327994/427994 S. G NCOR JOB NO. NODE/LD NO. CHECK N7455 546A402S P. CORRO	BY DATE 10VENCO 05/25/12 BY BATE 8-8-12 SION DATE 07/11/12				
REV. DESCRIPTION BY CH	IK'D BY APP'D. BY DATE	NONE	VED BY DATE OF 13 NW46114A-				





	SYMBOL LEGEND
T	PURGE END (GCS 209 / 709)
W	ANODE (GCS 513/514)
-	LATERAL TEE (GCS 210 .2133, 720, 721)
•	PRESSURE CNTL. FTG. (GCS 210.38/39)
	TRANSITION FITTING (GCS 703).
0	VALVE — GENERAL
+	REDUCER (GMS 308 & 336)
1	INS. COUPLING (ETC)
\bigcirc	TIN WHISTLE (GMS 639.2, .3, .4)
图	DUAL 5' x 5' VAULT
31	CUT AND CAP (GCS 849)
4	RETIRE MAIN (GCS 849)
由	EXCAVATE AREA (GCS 870)

4"ø PIPE IPS PE SDR 11.5	1175'	
TOTAL PIPE RETIREMENT	ESTIMATED	ACTUAL
4" STEEL (1965)	1155'	
TOTAL PIPE BORING	ESTIMATED	ACTUAL
4" BORING	710'	
TOTAL TRENCH BACKFILL	50 C.Y.	10
TOTAL ASPHALT & CONCRETE BREAKS	0 SQ. FT.	
TOTAL SERVICE TRANSFERS	0	

TOTAL WORK ORDER QUANTITIES (PER W.O. 127994)

TOTAL WORK ORDER QUANTITIES (PER W.O. 127907)

ESTIMATED. ACTUAL

ESTIMATED ACTUAL

ESTIMATED ACTUAL

ESTIMATED ACTUAL

1625'

1545'

115'

125'

715'

70 C.Y.

0 SQ. FT.

TOTAL PIPE INSTALLATION

TOTAL PIPE RETIREMENT

2" STEEL (1987)

2" STEEL (2002)

4" STEEL (1965)

TOTAL PIPE BORING

4" BORING

TOTAL TRENCH BACKFILL

TOTAL SERVICE TRANSFERS

TOTAL PIPE INSTALLATION

4" PIPE IPS PE SOR 11.5

TOTAL ASPHALT & CONCRETE BREAKS

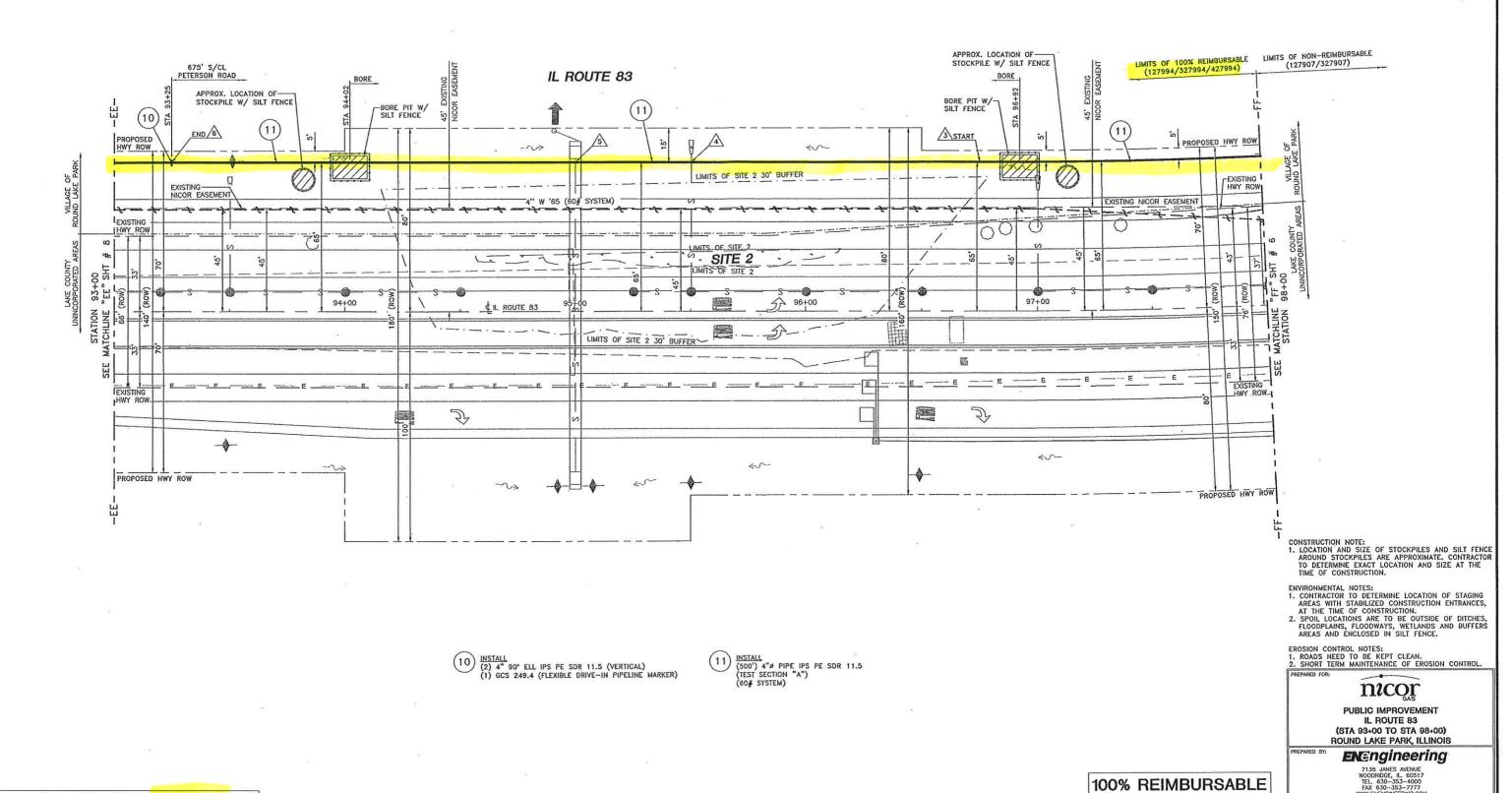
TEST SEC.	DESCRIPTION		EAK TEST	PER GC8	887	STRE	NGTH T	EST PER GC	888 8	WELD INSP	ECTION PE	PR 9C3 851		FIEL	D RECORD PER QCS 860
SEC. N.O.P TO	NGTH SIZE MAT. PA	PRES:	PRIOR TO STRENGTH	COMBINED W/	MIN. HOURS	PRESS P.S.I.	% SMYS	TEST MEDIUM	MIN. HOURS		RADIO GRAPHIC X	OTHERS	SEC.	DIA.	PIPE IDENTIFICATION "DATA CODE"-STEEL MAIN ONLY
A 60 28	800' 4" PE 3-	9 90	T -	-	12	-	NOT	REQUIRED	-	X			(A)	4"	

nicor

PUBLIC IMPROVEMENT
SITE PLAN, SYMBOL LEGEND, TEST DATA &
WORK ORDER QUANTITIES
GRAYSLAKE & ROUND LAKE PARK, ILLINOIS

ENENGINEERING 7135 JANES AVENUE WOODRIDGE, IL. 60517 TEL. 630-353-4000 FAX. 630-353-7777 WWW.ENENGINEERING.COM

	APPROVED FOR				TOWN GRAYSLAKE & ROUND LAKE PARK	44N	RANGE 10E 3PM	113 114	
	CONST	RU	CTI	ON		REGION DEPAR NORTHERN FOC	TMENT	ENGINEER/DESIGNER D.RUIZ	DATE 05/25/12
		T				WORK ORDER NO.127907/ 127994/327994/42	7994	DRAWN BY S. GIOVENCO	05/25/12
		-	-		-	NICOR JOB NO. NODE/LD N7455 546A40		P. Ta fuel	8-8-12
		1				ENE PROJECT NO. 110001.75		C. KROEGER	DATE 07/11/12
		+-	-	-		SCALE NONE		APPROVED BY	DATE 8/8/12
REV.	DESCRIPTION	BY	CHK'D B	APP'D. BY	DATE	DATE IN SERVICE		DRAWING FILE NO. S NW46114	HEET 2 OF 13



WORK ORDER QUANTITIES THIS SHE	ET (PER W.O. 127994)	
PIPE INSTALLATION THIS SHEET	ESTIMATED	ACTUAL.
4"ø PIPE IPS PE SDR 11.5	500'	
PIPE RETIREMENT THIS SHEET	ESTIMATED	ACTUAL.
4" STEEL (1965)	500'	
PIPE BORING THIS SHEET	ESTIMATED	ACTUAL
4" BORING	285'	
TRENCH BACKFILL THIS SHEET	15 C.Y.	
ASPHALT & CONCRETE BREAKS THIS SHEET	0 SQ. FT.	
SERVICE TRANSFERS THIS SHEET	0	

			STATION	DISTANCE FROM		PROPOSED	APPROX. COVER PROPOSED MAIN			
\exists	LOC.	MAIN SIZE		PROPOSED R.O.W.	EXISTING CL.	T.O.P. ELEVATION	BEFORE ROAD WORK	AFTER ROAD WORK	REASON	
	3	4"	96+75 TO 98+07	5' E/W	65' W TO 69' W	VARIES	4'-6"	3'-0"	INSTALL 132' OF 4" PE MAIN BELOW PROPOSED DITCH CUTS	
	4	4"	95+50	5' E/W	65' W	817.5	3'-0"	6'-0"	INSTALL 4" PE MAIN BELOW PROPOSED 12" SS PIPE W/ INV~820.5	
	<u>\$</u>	4"	95+00	5' E/W	65' W	817.3	3'-0"	6'-0"	INSTALL 4" PE MAIN BELOW PROPOSED 24" SS PIPE W/ INV~820.25	
\exists	<u>6</u>	4"	89+75 TO 93+25	15' E/W TO 5' E/W	55' W TO 65' W	VARIES	5'-6"	3'-0"	INSTALL 350' OF 4" PE MAIN BELOW PROPOSED DITCH CUTS	





L				WWW.ENENGINEERING.COM						
	ADDDO	/=) F	AD.				HIP MONT	1/4 SECTION 114	
	APPRO				TOWN ROUND LAKE	PARK	TIER 44N	RANGE 10E 3PM] ' ' '	
	CONST	RU	CTIC	NC	REGION DEPARTMENT NORTHERN FOC			ENGINEER/DESIGNER D.RUIZ	DATE 05/25/12	
T	A CONTRACTOR OF THE CONTRACTOR					WORK ORDER NO. 127994/327994/427994		DRAWN BY S. GIOVENCO	DATE 05/25/12	
+		-		-	-	NICOR JOB NO. N7455	NODE/LD		To The houle	8-8-17
\pm						110001.75	•		C. KROEGER	DATE 07/11/12
+		-	-			SCALE 1"=20'			APPROVED, BY	DATE 1812
v.	DESCRIPTION	BY	CHK'D B	YAPP'D. B	DATE	DATE IN SERVICE			DRAWING FILE NO. SHEET 7 OF 13 NW46114A-	

IL ROUTE 83 925' S/CL PETERSON ROAD BORE -LIMITS OF SITE 3 30' BUFFER - APPROX. LOCATION OF BORE PIT W/-(12) START 7 6 START HWY ROW VILLAGE OF ROUND LAKE PA 4" W '65 (60# SYSTEM)-EXISTING 1 FXISTING . · SITE 3 LIMITS OF SITE 3 91+00 89+00 HWY ROW. PROPOSED HWY ROW PROPOSED HWY ROW INSTALL (560') 4"\$ PIPE IPS PE SDR 11.5 (TEST SECTION "A") (60# SYSTEM) | INSTALL | (2) 4" 90° ELL IPS PE SDR 11.5 (2) GCS 249.4 (FLEXIBLE DRIVE-IN PIPELINE MARKER) CONSTRUCTION NOTE: 1. LOCATION AND SIZE OF STOCKPILES AND SILT FENCE AROUND STOCKPILES ARE APPROXIMATE: CONTRACTOR TO DETERMINE EXACT LOCATION AND SIZE AT THE TIME OF CONSTRUCTION. nicor ENVIRONMENTAL NOTES: 1. CONTRACTOR TO DETERMINE LOCATION OF STAGING AREAS WITH STABILIZED CONSTRUCTION ENTRANCES, AT THE TIME OF CONSTRUCTION. 2. SPOIL LOCATIONS ARE TO BE OUTSIDE OF DITCHES, FLOODPLAINS, FLOODWAYS, WETLANDS AND BUFFERS AREAS AND ENCLOSED IN SILT FENCE. PUBLIC IMPROVEMENT IL ROUTE 83 (STA 87+50 TO STA 93+00) ROUND LAKE PARK, ILLINOIS **ENGINEERING** EROSION CONTROL NOTES: 1. ROADS NEED TO BE KEPT CLEAN. 2. SHORT TERM MAINTENANCE OF EROSION CONTROL. 7135 JANES AVENUE WOODRIDGE, IL. 60517 TEL. 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM 100% REIMBURSABLE TOWNSHIP FREMONT THER RANGE 14N 10E 3PM T ENGREGORIGHER 0.RUIZ DRAWN BY WORK ORDER QUANTITIES THIS SHEET (PER W.O. 127994) PIPE INSTALLATION THIS SHEET ESTIMATED ACTUAL APPROVED FOR TOWN TIER ROUND LAKE PARK 44N REGION DEPARTMENT 4"# PIPE IPS PE SDR 11.5 CONSTRUCTION PIPE RETIREMENT THIS SHEET **ESTIMATED** ACTUAL 05/25/12 DATE FOC 4" STEEL (1965) 550' | WORK OFFICE NO. 127994/327994/427994 | S. GIOVENCO | 05/25/12 | | NEOR JOB NO. | NOCELO NO. | CHEEKED BY | LANGE OF NO. | 110001.75 | C. KROCEGER | 07/11/2 | | SCALE | PEPDAGE BY | SERVICE | 1"=20' | PROMISSION | C. KROCEGER | 07/11/2 | | DATE N SERVICE | ORANNING FILE NO. SERVICE | NW46114A-DISTANCE FROM PROPOSED T.O.P. ELEVATION

REASON

DESCRIPTION

BY CHK'D BY APP'D. BY DATE

INSTALL 350' OF 4" PE MAIN BELOW PROPOSED DITCH CUTS

INSTALL 100' OF 4" PE MAIN BELOW PROPOSED DITCH CUTS

BEFORE AFTER ROAD WORK ROAD WORK

3'-0"

5'-6"

3'-6"

VARIES

VARIES

PIPE BORING THIS SHEET

4" BORING

TRENCH BACKFILL THIS SHEET

SERVICE TRANSFERS THIS SHEET

ASPHALT & CONCRETE BREAKS THIS SHEET

ESTIMATED

325'

20 C.Y.

0 SQ. FT.

LOC. SIZE

4"

6

A

STATION

89+75 TO 93+25

87+75 TO 88+75

PROPOSED

R.O.W.

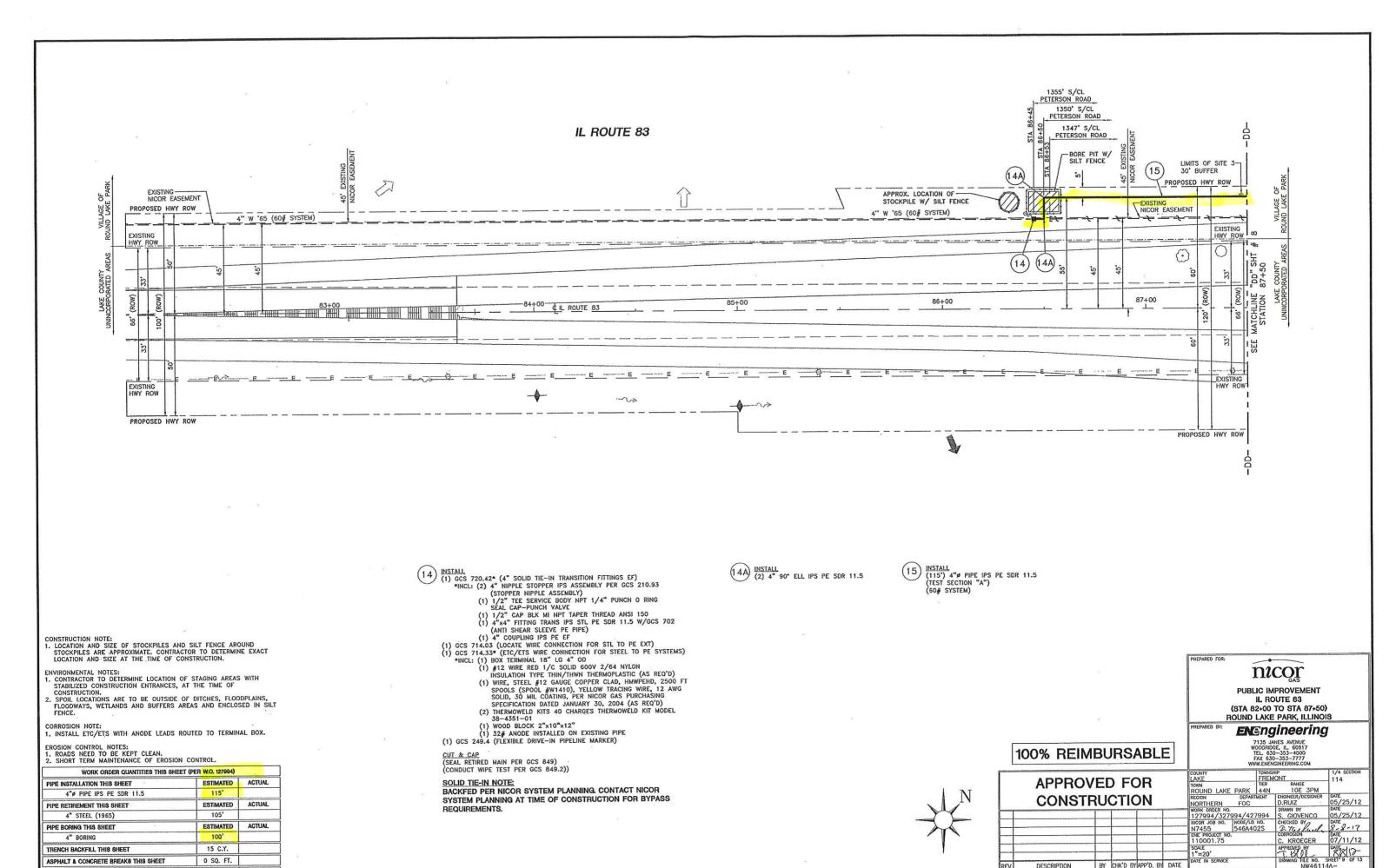
15' E/W

5' E/W TO 15' E/W

EXISTING

55' W

55' W



BY CHK'D BY APP'D. BY DATE

DESCRIPTION

ASPHALT & CONCRETE BREAKS THIS SHEET

SERVICE TRANSFERS THIS SHEET