B B	C	D	E	F		G PIPE	<u> </u> 	Н	_
GENERAL NOTES:			E 13A (4.			SIZETH	HICKNESS	TYPE (-52	_
1) CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK AND ALL UTILITIES WITHIN THE AREA OF EXCAVATION PRIOR TO COMMENCING WORK. ALL EXISTING UTILITIES NOTED ON DRAWING ARE APPROXIMATE LOCATIONS AND ARE TO BE LOCATED AND MARKED PRIOR TO START OF CONSTRUCTION. ANY TEST HOLES REQUIRED FOR EXACT LOCATION ARE THE	NATI	ONAL GR		ENGINEERING	_	10"	.365 .28Ø T	(-42 BD	
RESPONSIBILITY OF THE CONTRACTOR. 2) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND SUPPORTING EXISTING UTILIAND STRUCTURES.	ITIES	<u>Clearing</u> Type I - The cutti		G AND SLASH DISPOSAL nd or mechanical means, of all vegetation that would hinde		4"	.237 G	GRADE B	
3) CONTRACTOR SHALL DIG TEST HOLES AND LOCATE PIPING AT TIE-IN POINTS TO DETERMINE/VERIFY THE REQUIRED TIE-IN FABRICATION MATERIALS AND ESTABLISH PIPE ALIGNMENT. 4) CONTRACTOR WILL BE RESPONSIBLE FOR EXPOSING PIPE IN ORDER THAT NATION CAN LOCATE/INSTALL FITTINGS FOR PURPOSES OF TIE-INS/RETIREMENTS.				ing all wood or logs off site. Merchantable timbonsiderations regarding merchantable timber in					1
5) ALL MATERIAL UNLESS OTHERWISE SPECIFIED IS SUPPLIED BY NATIONAL GRID. 6)- THE CONTRACTOR SHALL VERIFY THAT THE LAYOUT CAN BE CONSTRUCTED AS VENDOR EQUIPMENT DRAWINGS. IF CONFLICTS ARE FOUND, CHANGES SHALL BE A		b) Adequate log	g-hauling access roads exist betwe	ven site to make doing so cost-effective; and een the nearest public road and the yarding area or y lly feasible. (The load-bearing capacity of the acces		ration			
FIELD REP. AND GAS ENGINEERING PRIOR TO CONSTRUCTION. 7) FABRICATE TO MEET FIELD CONDITIONS, VERIFY ALL DIMENSIONS IN FIELD. 8) DEFLECT GAS MAIN UNDER OR OVER EXISTING UTILITIES AS REQUIRED (IE: FITT)		Type E - Type I otherwise direction	me limiting factors on merchantal E slash disposal consists of chippi ted by the Forester or the Environ	oility.) Ing all slash on site. All chips will be hauled off of the mental Monitor. No chips shall be stored or dispose	ne ROW unless d of in wetlands,				
WHILE MAINTAINING DESIGN DEPTH AND MINIMUM CLEARANCE PER STD 41.23. 9) VERIFY CATHODIC PROTECTION AT ALL TIE-INS TO EXISTING STEEL FACILITIES NOTIFY METER & TEST IF PIPE TO SOIL READINGS ARE UNACCEPTABLE AND INSTANODES AND/OR TEST STATIONS AS INDICATED ON DRAWINGS AND PER (GDXØ3Ø)	TALL 1025- TI).	trench backfill	materials or spoils and will no	ypically not within 25 feet) of streams. Chips will not be used as mulch over the trench. Type G will be used wing all slash from the ROW. Type G will be used wing all slash from the ROW.					2
10) ALL UNDERGROUND PIPE AND FITTINGS (OPEN CUT) SHALL BE COATED WITH 3M-INSTALL PER MANUFACTURERS REQUIREMENTS. THE CONTRACTOR SHALL SANDBLAS SSPC10 LEVEL OF CLEANLINESS. (GDX030030-TI) 11) PAINT ALL ABOVE GRADE STEEL PIPE WITH CARBOMATIC 15 OR APPROVED EQU	ST PIPE TO A	to move slash	to another portion of the ROW wh	nere Type E (chipping) will then be utilized as the utilized a	timate disposal method.	!.			
12) REMOVAL OR ABANDONMENT OF GAS FACILITIES SHALL BE PERFORMED IN ACCOUNT WITH GDX100001-TI. 13) CONTRACTOR IS RESPONSIBLE FOR RESTORATION IN KIND.	ORDANCE	Stumps may be suitable disposa	ground via a horizontal grinder of a lacility or landowner approved of	r, as approved by the Environmental Inspector, haul offsite location. No stumps are to be disposed of on	ed off ROW to a the ROW.				
14) ALL CAST IN PLACE CONCRETE SHALL BE 4000 PSI PER ACI-318. 15) CONTRACTOR SHALL SUPPLY/INSTALL FENCING PER SYSTEM SPECIFICATION SP 16) ALL WELDING TO BE DONE IN ACCORDANCE WITH US GDx DOCUMENT MANUAL	P.03.05.001	PIPE	COATING:						
WELDING POLICY Ø3ØØ2Ø-PL. 17)ALL WELDS ON HIGH PRESSURE (125 or greater)PIPING 2"AND LARGER SHALL DYE PENETRANT TEST SHALL BE PERFORMED FOR PIPING LESS THAN 2".	_ BE X-RAYED	LINE	PIPE: F	BE 3M 6233 (16mıls)					3
18) BAG, PURGE AND TEST POINTS SHALL BE INSTALLED PER (GDXØ3ØØ16-TI) 19) CORROSION PROTECTION:		DIREC	CTIONAL DRILL	(HDD): FBE 3M 6	233 (16mıls	s), POWERCRE	TE (4Ømıls	5)	
CORROSION WIRE PER (GDXØ3ØØ27-TI) TEST STATION TYPES PER (GDXØ3ØØ35-TI) ANODE INSTALLATION PER (GDXØ3ØØ25-TI 2Ø) REMOVAL AND HANDLING OF COAL TAR WRAPPED PIPE SHALL BE DONE IN	ΔCCORDΔNCE WITH GD√ E-617)	CONCI	RETE WEIGHTED	PIPE: FBE 3M 6233	(16mıls), SC	COTCHCOAT 2	Ø7R ROUGH	HCOAT	
@1) ALL PIPE SHALL BE HOLIDAY TESTED PER (GDXØ4ØØ3Ø-TI) 22) FINAL TUBING CONNECTIONS BY NATIONAL GRID.	ACCONDANCE WITH ODX 1 01//	Sto	el HDD Pipe:	(GDX030030-TI)					
 23) - CONTRACTOR IS RESPONSIBLE TO PLAN PRESSURE TESTING AND NOTIFY NG OF ADDITONAL PIPING, BLIND FLANGES AND FITTINGS REQUIRED. CONTRACTOR IS RESPONSIBLE TO FABRICATE SPOOL PIECES AND/OR ADD BLIND FLANGES ON REGULATION EQUIPMENT AS REQUIRED FOR STATION PRESSURE TESTING AND PURGING REQUIREMENTS. 			<u> </u>	OWERCRETE KITS SHALL BE APPLIED	TO POWECRETE (COATED PIPE WELD	JOINTS/FITTING	SS	1
24) CONTRACTOR IS RESPONSIBLE TO NOTIFY NG (FCC) 10 DAYS IN ADVANCE OF PLANNED HIGH PRESSURE PSC WITNESS PRESSURE TEST.			PREHEAT PIPE SUCH TH MAINTAINED AT START	L SANDBLAST PIPE TO A SSPC10 LE HAT A MINIMUM TEMPERATURE OF 14 OF APPLICATION. UALLY OR WITH DRILL PADDLE AT L	ذF IS	NESS.			4
25) CONTRACTOR TO COORDINATE WITH FCC TO HAVE A NG QUALIFIED WELD INSPECTOR FOR TRANSMISSION WELDING. 26) CONTRACTOR TO PERFORM WELD PREP TO ACCOMODATE DIFFERENCES IN PIPE WALL THICKNESS AS NECESSARY.				E STORED AT 72°F PRIOR TO APPLI					
27) SAFETY WORKING CLEARANCES ON ELECTRIC RIGHT OF WAY, SEE SECTION 31.4 PIPELINE HIGH VOLTAGE PROTECTION DURING CONSTRUCTION, SECTION 31.3.	1			TEST PRES		nın.(HYDRO TI	FST)		
28) CONTRACTOR SHALL USE ALL NECESSARY MEANS TO ENSURE SAFE AND PROPER TRAFFIC FLOW DURING CONSTRUCTION IN ACCORDANCE WITH NATIONAL STANDARDS, INCLUDING NYS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AN CODE OF FEDERAL REGULATIONS TITLE 29, PART 1926 SUBPART G-SIGNS, SIGNA BARRICADES. (GDx Q-1702)	ND THE			NORMAL OF	, <u>–</u>				5
29) WITNESS POST INSTALLATION PER SECTION 41.32. 30) THE AMOUNT OF CONCRETE COATED PIPE AS SHOWN ON	ACCOLIN	T NUMBERS		PL-E13A:	300psig				
30) THE AMOUNT OF CONCRETE COATED PIPE AS SHOWN ON D-37822-E SH. 1-9 MAY VARY PER FIELD CONDITIONS. (IE: WETLANDS/CHANNELS/STREAMS) 31) REQUIRED COVER UNLESS OTHERWISE NOTED: 3' MINIMUM NORMAL	WORK ORDER			DESIGN PRI PL-E13A:		RICH COPPOLA	NMPC CONTAC	2TS 315-428-5869	
4' MINIMUM AGRICULTURAL & VALVE NEST 5' MINIMUM ROAD/POND/CREEK/STREAM CROSSING AND LAUNCHER/RECEIVER 29) FENCE: CHAIN LINK FENCE SPECIFICATION: SP.03.05.001	VORK ORDER	JNDING: C34854) ØØØ853Ø398 (ST	ONEBREAK RD GRS	5 741)	'	KATIE BACKUS JASON BUCZEK MIKE TENEYCK	GAS ENGINEERING GAS SUPPLY CP	315-428-5991 518-466-5997 518-433-3037	
			RAC DES. APPROVED C	-KOLOD PREPARED BY		PETE PETERSON PETE ROSSI STEVE SEGUIN	GAS ENERGY MGMT. SR. SUPV. SR. SUPV.	315-460-2309 518-366-4798 315-391-7612	6
	1 Ø5/Ø9/12 Ø Ø4/23/12		DES. APPROVED RAC DR. APPROVED RAC KEB CK. APPROVED CK. APPROVED	NIAGARA MOHAWK POWER CORP D.B.A. nationalgrid		ATURAL GAS TRANSM: GENERAL NO	ISSION LINE FILE NUMBER DRAWIN NUMBER	MAL 03-03-2012 12.3-51.13A-G NG C-37822-E	51
REFERENCE DESCRIPTION DRAWING NUMBER NO. DATE DESCRIPTION OF ISSUE OR F			DR. CK. APP. APPROVED	ACCOUNT NUMBER: 0008446553	TOWN C	OF BALLSTON/MALTA, SAF	RATOGA COUNTY SHEET NUMBER	1B H	┙