CRESCENT RESOURCES INC.

Due Diligence Checklist

Project No.
Date:

Checklist	Date:
Project Name:	
Client:	

1		Item		Remarks			
	1	Survey	1				
		Review survey for compliance with Crescent Resources, Inc.'s "Instructions to Surveyors" (see below):					
			All surveys shall be submitted on an AutoCAD drawing in a .DWG file format on one (1) 3.5 inch high density disk. Also submit two (2) blueline prints.				
		Include	e the following:				
			Site boundary complete with reference to the su	rveyor and date of boundary survey.			
			Existing spot elevations and contours (if needed all sides.) extending forty (40) feet beyond property lines on			
			Topography shown by contours at one (1) foot in elevations on a fifty (50) foot grid system.)	ntervals (if less than one (1) foot in relief, then spot			
			☐ Benchmark brought to property, datum based on U.S.G.CM.S.L.				
		Locations of all existing curbs, walks, grass strips, edges of pavement, medians, median breaks, etc.					
		Elevations of all roads at the centerline and existing edges of pavement every twenty-five (25)					
		Locations and sizes of all existing storm and sanitary sewers on and adjacent to site with elevations of grates of catch basins, rims of manholes, invert elevations (in and out) for storm an sanitary sewers. For storm drain pipe provide material type.					
		☐ Water main locations, sizes, valves, meters and fire hydrants.					
		Gas line locations, sizes, valves, and meters.					
		Power line locations within the general proximity of site showing all poles and transformers.					
		High points of ditches and swales.					
			Locations of hedges and fences and walls (top of	of wall elevations on retaining walls).			
			Lakes, ditches, streams or rivers within 100 feet	of site.			
			Elevations of established flood levels (floodway with frequency and identification of establishing				
			Wells and septic fields within 100 feet of site.				
			All on-site improvements.				

1		Item		Remarks		
			Roads, streets, or drives on or adjacent to site of ways and dedicated names, street or highway no lanes/pavement markings. Widths of adjoining also location of curbs and sidewalk lines, location electric poles, fire hydrants, etc.; also any under	streets, highways, pavements, and how paved; in of catch basins, manholes, telephone, and		
			Buildings on site with finished floor elevations (F	FE).		
			North arrow with grid, magnetic, true or assume	d orientation noted.		
			Vicinity map.			
			Property zoning, setbacks, and side and rear ya	rds.		
			All existing right-of-ways, easements, restrictive	covenants or deed restrictions.		
			Approximate distance to nearest intersection(s)	(name of intersecting street/road).		
			Names of Owners and deed references for adjacent properties.			
			Location of wetlands (if delineated on the site).			
			Location of test borings (if made).			
			☐ Trees.			
			 ☐ All trees in right-of-way (2" caliber and above). ☐ All trees 8" and above in setback. ☐ Tree line. ☐ Specimen trees. 			
	2	Site V	isit			
		in	ompare site with survey, i.e., storm drainage, all approvements shown, utilities located, street ees, trees in setback, specimen trees, etc.			
		B. Ev	valuate proposed use with existing conditions.			

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1		Item	Remarks
		C. Photograph/video site (use panoramic views).	
		D. Review items not shown on survey:	
		Adjacent land use/contact.	
		1. Adjacon fana dooroontact.	
		Condition of existing vegetation.	
		Condition of improvements, i.e., curb and gutter, sidewalk, drainage structures, etc.	
		Poor drainage areas.	
		5. Off-site drainage areas.	
	3	Zoning	
		A. Obtain and Reference Zoning Ordinance and Maps	
		B. Supplemental ordinances (tree)	
		C. Meet ☐ <u>or</u> Telephone ☐ Zoning Official	
		D. Straight or Conditional	
		If conditional, obtain stamped "approved plan"	
		E. Zoning Classification	
		F. Standard Lot Corner Thru	
		G. Building Zoning:	
		Building Use (office, medical, warehouse, etc.)	
		2. Front Setback	
		3. Side	

1	Item	Remarks
	4. Rear	
	5. Corner lot condition	
	6. Height	
	7. Floor Area Ratio (Total Building SF ÷ Site S.F.)	
	H. Transitional Setback Required for Future Street Widening/ Thoroughfare Map	
	I. Adjacent Zoning/Adjacent Use	
	J. Tax Maps	
	K. Subdivision Ordinance	
	L. Special Zoning Criteria (Small Area Plans, etc.)	
	M. Covenants and Restrictions	
	N. Buffer Required: Yes No Type Location Width Wifence or Berm Minimum Planting Requirements	
	Undisturbed Yes \(\text{No } \) Required by Conditional Rezoning Yes \(\text{No } \)	

1				Item			Remarks
		Ο.	Scr	eening Required:	Yes 🗌	No 🗌	
			Par	king	Yes □	No 🗌	
			Dur	npster	Yes 🗌	No 🗌	
			Ser Oth	vice er	Yes □ Yes □	No 🗌 No 🔲	
				Ht of Plant Material			
			Min	Spacing		_	
	_	D-1					
	4	Pa	rkin	9			
		Α.	Par	king in Setback Allowed:			
				Front	Yes □	No 🗌	
					_	_	
			2.	Side	Yes 🗌	No 🗌	
			3.	Rear	Yes 🗌	No 🗌	
		B.	Par	king:			
			1.	Required Spaces		_	
				Required by Code		_	
				Required by Owner		_	
			2.	Handicap Spaces Required _			
				Standard HC Spaces			
				Van Accessible Spaces			
			3.	Standard Spaces and Size _		_	
				Compact Spaces and Size_		_	
				Visitor Spaces and Size		_	
				Loading Spaces		=	
				0 15			
			4.	Shared Parking with Adjacer			
				Yes	No 🗌		

1		Item	Remarks
		5. Dimension of Space and Lot	
		6. Curb and Gutter	
		Wheel Stops	
		7. Future Parking Yes ☐ No ☐	
	5	Roads and Driveways	
		A. One-way or Two-way (26' minimum at setback in Mecklenburg County)	
		B. Type of Driveway:	
		Drop Curb (Type II)	
		Street Type (Type III)	
		UMUD Driveway	
		C. Curb and Gutter Type and Size	
		D. Type of Vehicle for Use in Design	
		E. Medians Required	
		F. Impacts on Existing Streets/Walks, Etc.	
		G. Driveway Permits	
		H. Signage	
		Stop	
		No Left Turn	
		Keep Right □	
		Internal Directional Signage	

Due Diligence Checklist

i		ltem	Remarks
	6	Sidewalks	
		A. Location of All Walks	
		B. Width	
		C. Material Type	
		D. Handicap Accessible Routes	
		E. Handicap Ramp Locations (Including Intersection and Drives)	
	7	Miscellaneous	
		A. Thoroughfare plan requiring additional right-of-way	
		B. Improvements required by Ordinance in public street right-of-way, i.e., street widening, curb and gutter, sidewalks, storm drainage, etc. Impact on existing storm drain in street.	
		C. Improvements required in public street right- of- way turn lanes, i.e., turn lanes, deceleration lanes, etc.	
		D. Trash Collection Yes No Dumpster Compactor	
		E. Exterior Mechanical Equipment:	
		Condenser, Transformer,	
		Generator, Etc. Yes ☐ No ☐	
		F. Hardscape: Yes No Special Paving, Courtyards, etc.	

đ			Item		Remarks
		G.	Retaining Walls	Yes 🗌 No 🗌	
		Н.	Site Lighting	Yes	
		I.	Irrigation Sleeving	Yes No No Yes No No No	
		J.	Irrigation Sleeves Signage & Graphics	Yes	
		K.	Other Site Features, i.e., Fo	Yes □ No □	
		L.	Title Block		
			CJS	Yes No	
			Client Title Block	Yes □ No □ Yes □ No □	
			Project/Owner Logo	Yes	
		M.	Letter of Compliance	Yes 🗌 No 🗌	
			Landscape		
		N.	Fence Permit	Yes □ No □	
	8	Bu	ilding		
		A.	Plans on AutoCAD Disk	Yes □ No □	
		B.	Architectural Elevations	Yes □ No □	
		C.	Building Orientation:		
			Horizontal	Yes □ No □	
			Vertical (FFE)	Yes □ No □	

Due Diligence Checklist

		ltem			Remarks
	D.	Entrances (Doors)			
	E.	Windows			
	F.	Stoops, Patios, Stairs			
	G.	Square Footage:			
		Gross	SF		
		Rentable	SF (94% g	ross)	
		Useable	_ SF (86% g	ross)	
	Н.	Roof Drainage:			
		Roof leaders or down spo	outs		
		Tie into storm drainage system	Yes □	No 🗌	
		Outlet at grade	Yes □	No 🗌	
		Size of leaders	Yes □	No 🗌	
		Location of leaders	Yes □	No 🗌	
		Roof drainage areas			
	I.	Building on slab or crawl	space	-	
	J.	Foundation Condition:			
		Outside Grade Minimum		<u> </u>	
		Maximum			
		Foundation Wall		_	
	K.	Handicap Access to Building			
		Railings required	Yes □	No 🗌	

Due Diligence Checklist

1		ltem	Remarks
		L. Load/Service	
		Parking lot or driveway	
		Dock Height	
		Number of Dock Spaces	
		Drive-up Access	
		Type of truck to use in design	
		Number of loading spaces required	
		M. Future Expansion Yes No	
		N. Other Special Conditions	
	9	Planting	
		A. Budget	
		B. Client Preference	
		C. Sod Yes No]
		Seed Yes No No]
		D. Ordinance Only	
		E. Maintenance	
		F. Irrigation	
		G. Right-of-Way Encroachment	
		H. Review with Grading Plan Yes No [

1			Item	Remarks
		I.	Review of Utility Plan	
			Underground Yes \(\scale \) No \(\scale \)	
			Overhead Yes No No	
		J.	Existing Vegetation to Remain Yes No	
		K.	Mitigation Required Yes ☐ No ☐	
	10	Uti	lities - Water	
		A.	Review Agency:	
			Local State	
		В.	Water Supply:	
		.	Location	
			Size	
			Fire Hydrant	
			Use Existing Water Service to Site Yes ☐ No ☐	
		C.	Utility Department:	
			Obtain or reference water main as-built plan.	
			2. Chandards appointant and avidations	
			2. Standards, specifications, and guidelines.	
		D.	Water Distribution/Service:	
			1. Meters:	
			Domestic ☐ Irrigation ☐ Fire ☐	
			Procedure for placing meter (contractor, utility department, etc.).	
			0.5	
			3. Encroachments for DOT	

1		Item	Remarks
		 Cost of connection and meters (connection fee, capacity charges, etc.). 	
		 Design flow, size, and location of building service (reference plumbing consultant). Note: Site criteria should dictate location of water service. 	
		6. Backflow preventers: Required Location Type required Standards and guidelines	
	11	Utility - Fire Protection	
		A. Review Agency (local fire department) Obtain reference guidelines.	
		B. Fire Hydrants: Location Fire Flow Test (if needed)	
		C. Criteria: 1. Required Fire Flow	
		2. Spacing of Hydrants	
		Distance of Hydrants to Building	
		4. Fire Truck Site Maneuverability Truck Access to Bldg Maximum Backing Distance	
		 Exemption from requirement for backflow/ installation requirement if fire hydrant located within 100' of tap to utility department water main (CMUD Regulation). 	

1			Item	Remarks
		D.	Connections:	
			1. Fire Meters	
			2. Procedure for placing meter.	
			3. Cost of connection.	
			Design flow, size, and location of fire protection line (reference fire protection design).	
			5. Backflow preventers: Required Location Type Required Standards and guidelines	
		E.	Fire Protection Plans	
			Coordination with fire protection system designer.	
			2. Distance of hydrant to fire department connection.	
	12	Uti	lity - Sanitary Sewer	
		A.	Review Agency (local, state, etc.): Local State	
		B.	Availability of Existing Sewer: Location	
			Size	
			Invert Material	
			Use Existing Sanitary Sewer to Site Yes No	

	ltem	Remarks
	C. Utility Department:	
	Obtain or reference as-built plan.	
	Standards, specifications, and guidelines.	
	D. Sanitary Sewer Collection System:	
	1. Connection Responsibility:	
	Contractor ☐ Utility Department ☐	
	Encroachments for DOT	
	Cost of Connection	
	Size and location of sewer laterals (reference plumbing consultant)	
	5. Easements	
13	Other Utilities (gas, electric, telephone, etc.)	
	Coordination with electrical engineer on site lighting.	
14	Wetlands	
	A Wotland Study Available Ves \(\text{No } \text{No } \(\text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \text{No } \text{No } \(\text{No } \text{No } \text{No } \text{No } \text{No } \text{No } \(\text{No } \te	
	A. Welland Study Available Tes No	
15	Geotechnical	
	A. Obtain and Read Report	
	B. Review boring logs for unsuitable materials (clay,	
	site work grading; consult with client.	
	C. Paving Specifications	
	Per geotechnical.	
	14	C. Utility Department: 1. Obtain or reference as-built plan. 2. Standards, specifications, and guidelines. D. Sanitary Sewer Collection System: 1. Connection Responsibility: Contractor Utility Department 2. Encroachments for DOT 3. Cost of Connection 4. Size and location of sewer laterals (reference plumbing consultant). Note: Site criteria should dictate above. 5. Easements 13 Other Utilities (gas, electric, telephone, etc.) 1. Coordination with electrical engineer on site lighting. 14 Wetlands A. Wetland Study Available Yes No 15 Geotechnical A. Obtain and Read Report B. Review boring logs for unsuitable materials (clay, plastic soil, fill material, etc.) and rock relative to site work grading; consult with client.

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1		Item	Remarks
		2. Per Owner.	
	16	Phase I - Environmental Site Assessment	
		A. Obtain and Reference	
	17	Floodway	
		A. Obtain and reference flood maps for regulated floodways (County, FEMA).	
		B. 100+1 Flood Study Requirements.	
	18	Landscape Ordinance	
		A. Obtain and reference Ordinance	
		B. Obtain and reference Tree Ordinance	
		C. Overhead power lines Yes No No	
	19	Topographic Maps	
		A. Obtain and reference topography (City, County, USGS).	
		B. Obtain storm drainage topography map, if available.	
	20	Storm Drainage and Stormwater Detention	
		A. Obtain and reference ordinance manuals, guidelines, etc.	
		B. Obtain and reference City Storm Drainage Maps, if available.	

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		Item	Remarks		
		C. Stormwater detention required. Can we avoid detention because of proximity to regulated floodway or by piped system in drainage easement to regulated floodway?			
		D. Impact of off-site drainage.			
		E. Storm drainage discharge points.			
		F. Existing storm drainage and detention on and adjacent to site.			
	21	Watershed Requirements			
	22	Transportation, Impact Studies, Etc.			
	23	Obtain and Reference Pre-design Checklist and Proposal/Contract			
	24	Master Plans for Future Development			
	25	Phasing of Design and Construction			
	Checklist Completed By: Signature Date				
S	ignatui	re	Date		