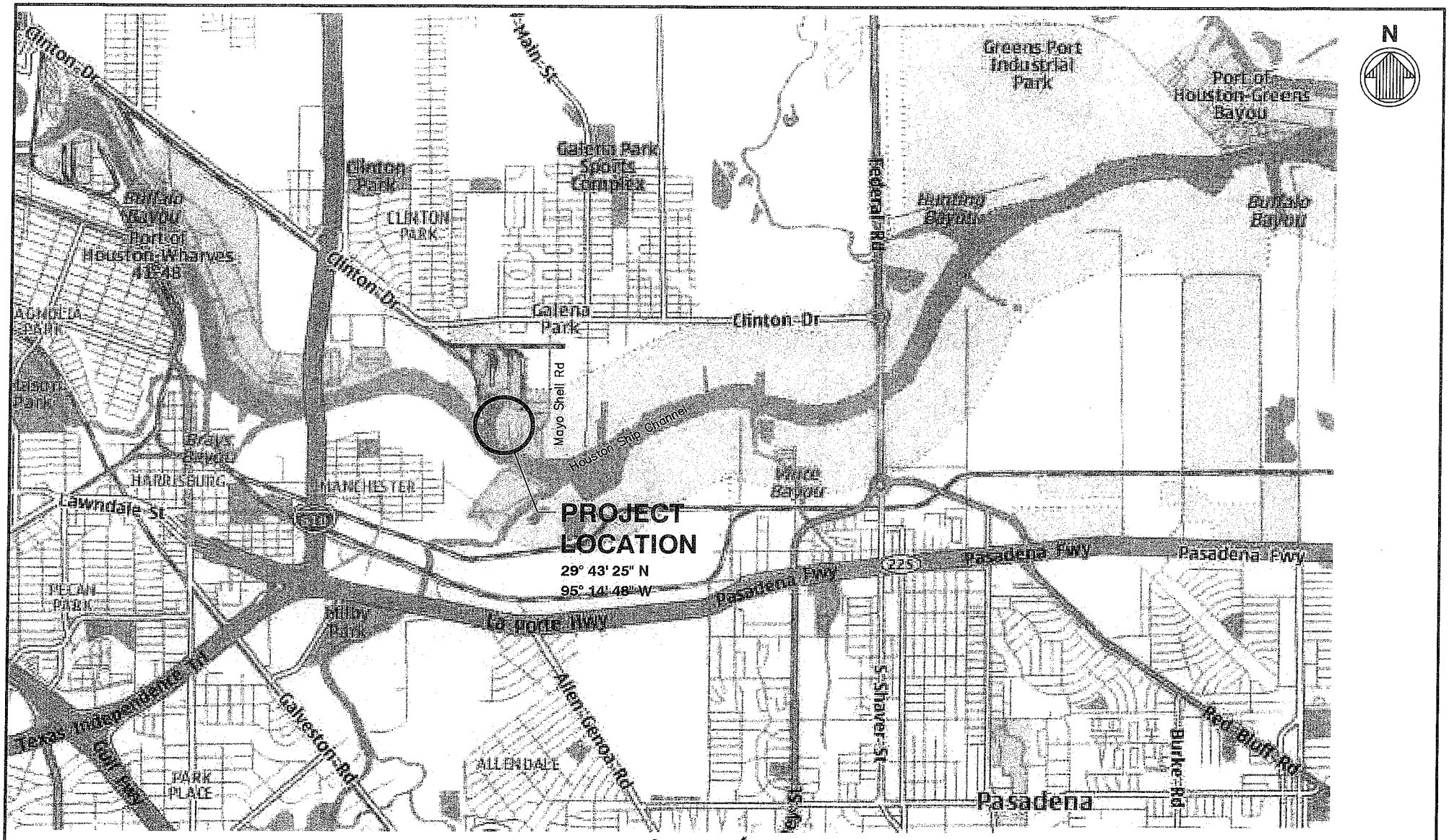
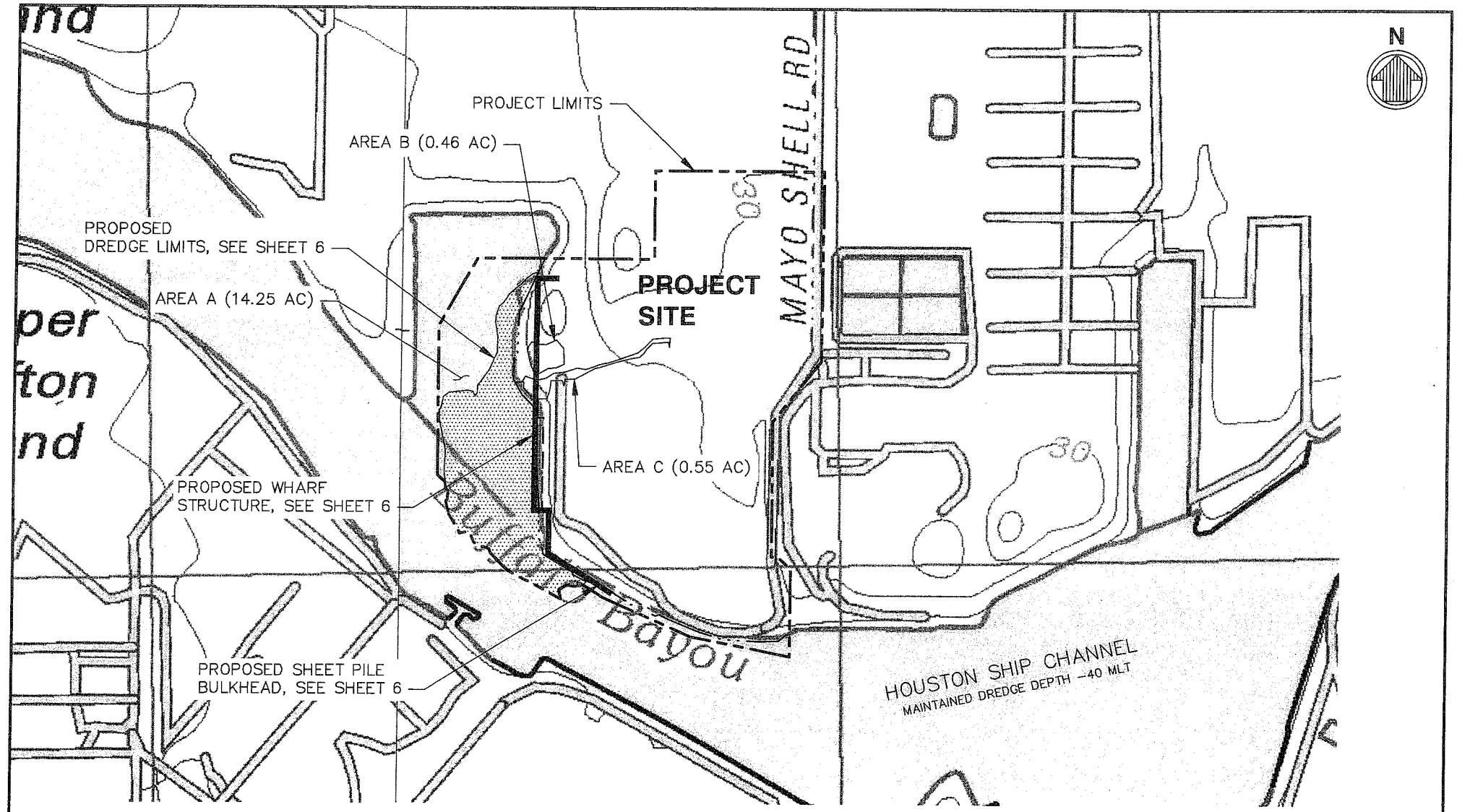


SWG-2012-00151, 1 of 11

Sheet	moffatt & nichol	Designed by: THOMAS	Date: NOV 2012	Rev. 2	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING	Mark / Description / Date / Appr.	SIMS METAL MANAGEMENT
1 Of 10	11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Dwn by: KOONS / Ckd by: REID	M&N Project No. 7387		**PROJECT LOCATION**		
		Reviewed by: WISE	Drawing code:				
		Submitted by: MOFFATT & NICHOL	Drawing Scale: NTS Plot scale: 1:1 (A SHEET)				

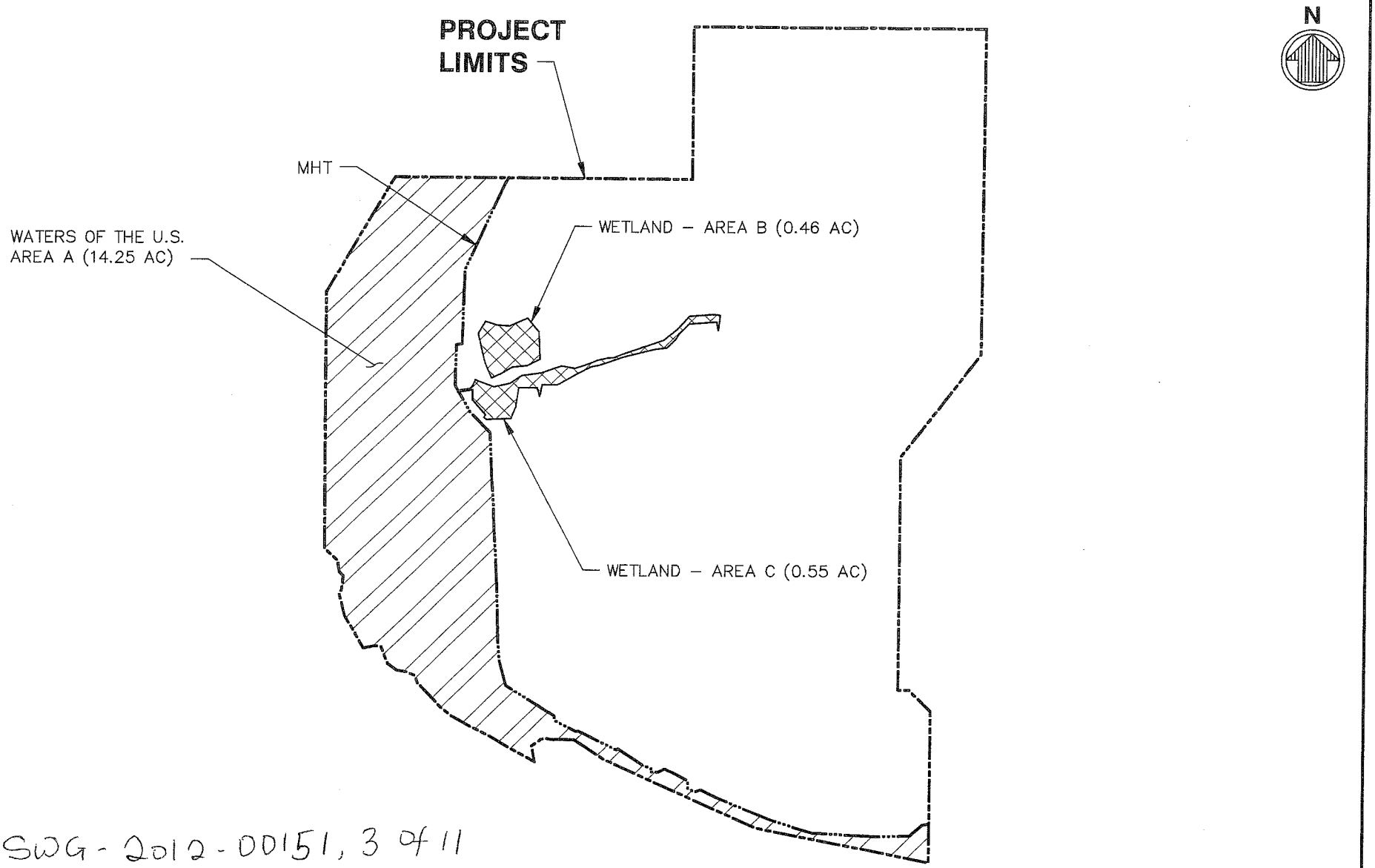


SWG-2012-00151, 2 of 11

NOTE:
BASE MAPPING TAKEN FROM 2010 USGS 7.5 MINUTE SERIES QUADRANGLES PARK PLACE, TX AND PASADENA, TX

Sheet	moffatt & nichol	Designed by: THOMAS	Date: NOV 2012	Rev. 2	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING	Mark	Description	Date	Appr.
2 Of 10	11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Dwn by: KOONS / Ckd by: REID	M&N Project No. 7387		PROJECT SITE				
		Reviewed by: WISE	Drawing code:						
		Submitted by: MOFFATT & NICHOL	Drawing Scale: 1"=5000'						
			Plot scale: 1:1 (A SHEET)						

SIMS METAL MANAGEMENT

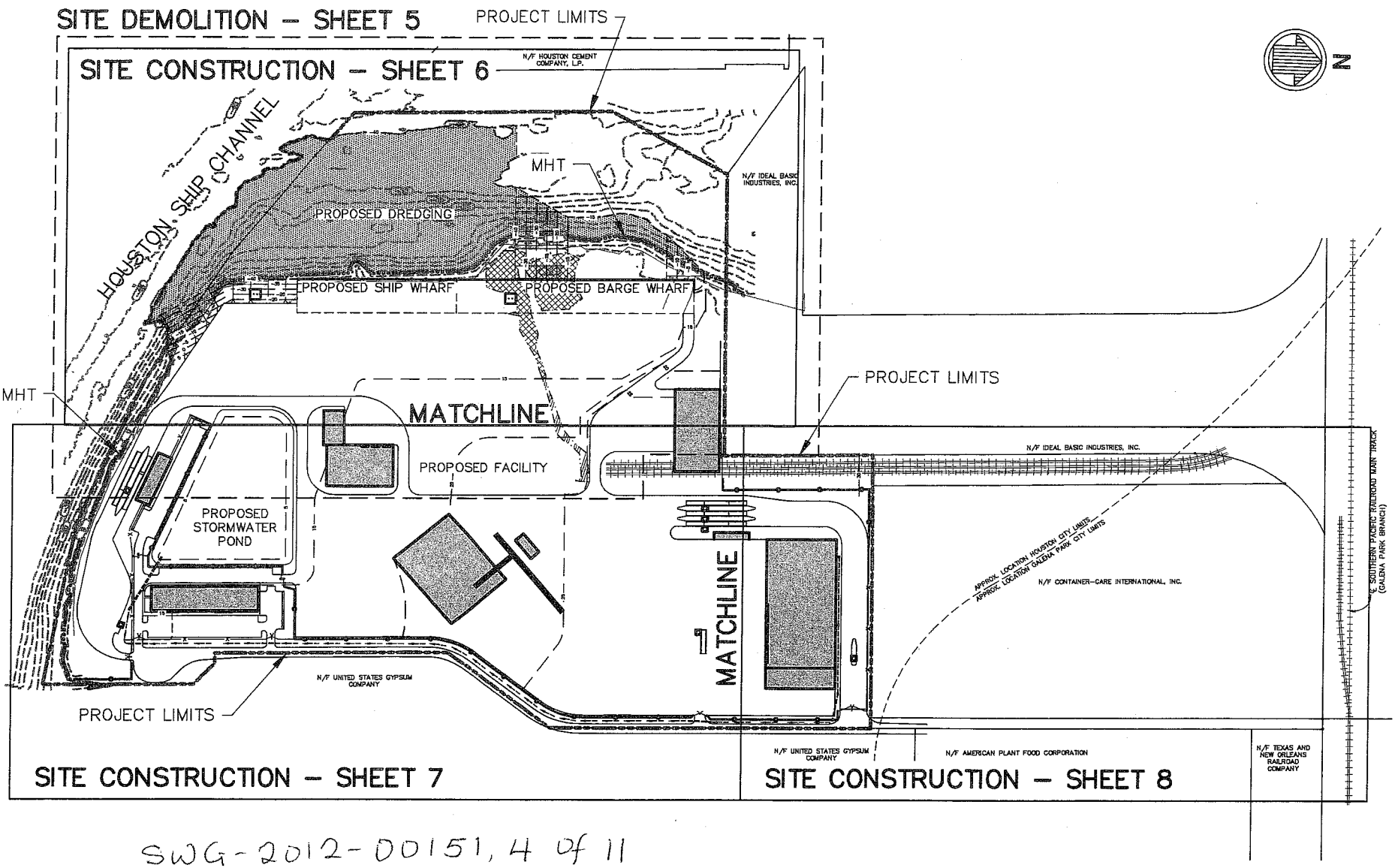


SWG-2012-00151, 3 of 11

Sheet 3 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS Dwn by: KOONS Ckd by: REID Reviewed by: WISE Submitted by: MOFFATT & NICHOL	Date: NOV 2012 Rev. 2 M&N Project No. 7387 Drawing code: Drawing Scale: 1"=3000' Plot scale: 1:1 (A SHEET)	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING **WATERS/WETLANDS MAP**

Mark	Description	Date	Appr.

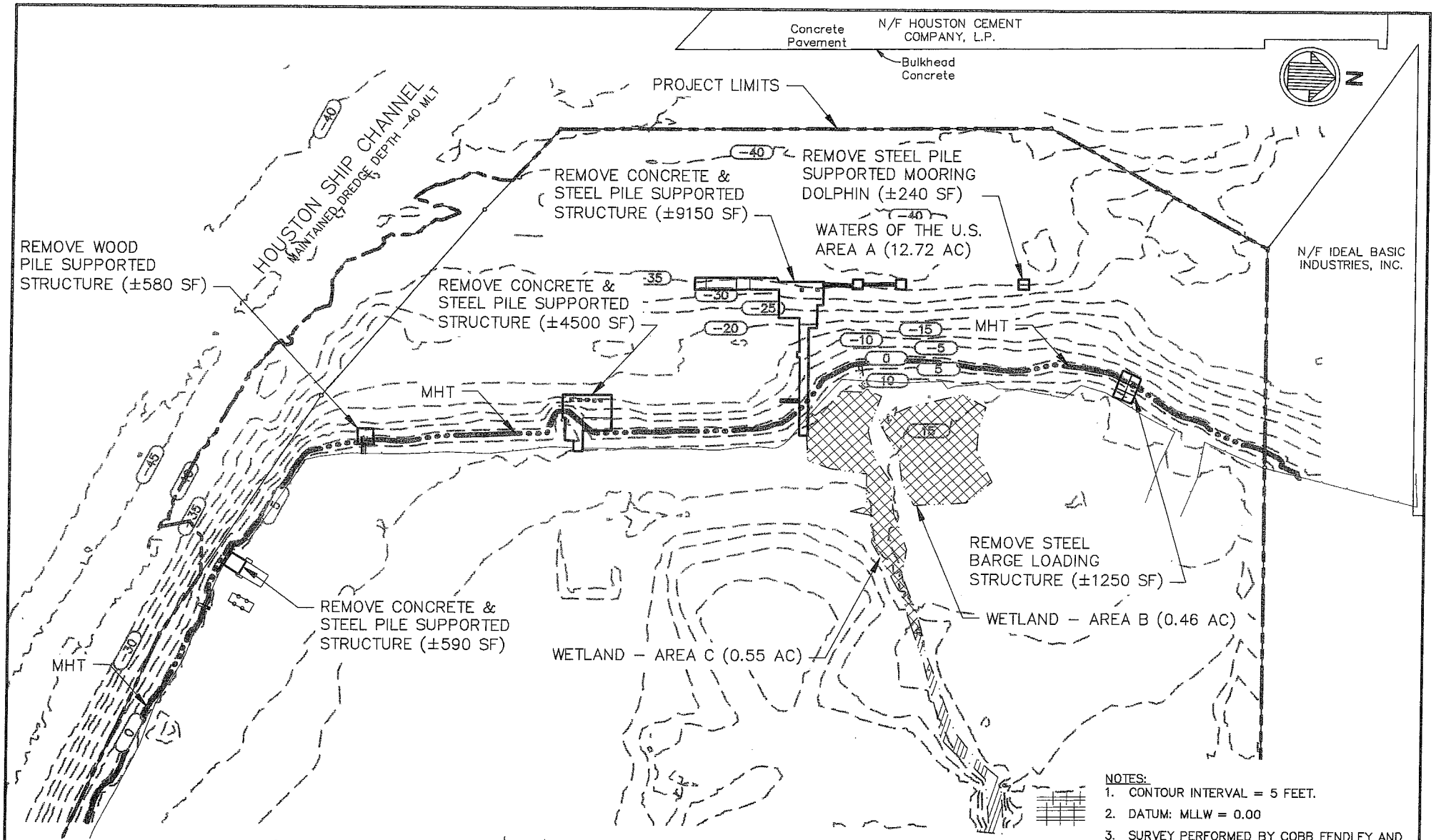
SIMS METAL MANAGEMENT



SWG-2012-00151, 4 of 11

Sheet					
4 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS	Date: NOV 2012	Rev. 2	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING
		Dwn by: KOONS / Ckd by: REID	M&N Project No. 7387		**PROJECT KEY PLAN**
		Reviewed by: WISE	Drawing code:		
		Submitted by: MOFFATT & NICHOL	Drawing Scale: 1"=400' Plot scale: 1:1 (A SHEET)		SIMS METAL MANAGEMENT

Mark	Description	Date	Appr.



NOTES:

1. CONTOUR INTERVAL = 5 FEET.
2. DATUM: MLLW = 0.00
3. SURVEY PERFORMED BY COBB FENDLEY AND ASSOCIATES, DATED MARCH 29, 2011.

SWG-2012-00151, 5 of 11

Sheet 5 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS Dwn by: KOONS Ckd by: REID Reviewed by: WISE Submitted by: MOFFATT & NICHOL	Date: NOV 2012 Rev. 2 M&N Project No. 7387 Drawing code: Drawing Scale: 1"=200' Plot scale: 1:1 (A SHEET)	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING **SITE DEMOLITION**

Mark	Description	Date	Appr.

SIMS METAL MANAGEMENT

TOTAL PROPOSED DREDGING
8.9 ACRES
231,900 CUBIC YARDS

N/F HOUSTON CEMENT COMPANY, L.P.

PROPOSED DREDGING TO ELEV −40.0 MLLW (8.0 AC, 215,400 CY)

PROJECT LIMITS

WATERS OF THE U.S. AREA A (14.25 AC)

CHANNEL TOE OF SLOPE

HOUSTON SHIP CHANNEL
MAINTAINED DREDGE DEPTH −40 MLT

CHANNEL TOE OF SLOPE

PROPOSED DREDGING TO ELEV −15.0 MLLW (0.9 AC, 16,500 CY)

N/F IDEAL BASIC INDUSTRIES, INC.

℄ CHANNEL

100'±

309'±

45'±

159'±

PROPOSED MOORING DOLPHIN (±900 SF)

MHT

MHT

PROPOSED SHIP WHARF AREA (±450 LF BULKHEAD)

WETLAND AREA C (0.42 AC) (14,400 CY CUT)

WETLAND AREA B (0.46 AC) (13,600 CY CUT)

PROPOSED BARGE WHARF AREA (±675 LF BULKHEAD)

PROPOSED SHEET PILE BULKHEAD (±560 LF)

MHT

PROPOSED BUILDING

PROPOSED BUILDING

MATCHLINE – SEE SHEET 7

WETLAND AREA C (0.13 AC) (1100 CY FILL)

NOTES:

1. CONTOUR INTERVAL = 5 FEET EXISTING BATHYMETRY AND PROPOSED DREDGING, 1 FOOT PROPOSED LANDSIDE.
2. DATUM: MLLW = 0.00
3. DREDGE VOLUME INCLUDING ALLOWABLE OVERDREDGE = LESS THAN 231,900 CY
4. FILL BELOW PLANE OF MEAN HIGH TIDE (MHHW) = 0.0 CY
5. LANDSIDE CONTOURS DEPICT PROPOSED GRADES.

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Sheet 6 Of 10

moffatt & nichol

11011 RICHMOND AVENUE, STE 200
HOUSTON, TX 77042
713-977-7372

TBPE REG. NO. F3953

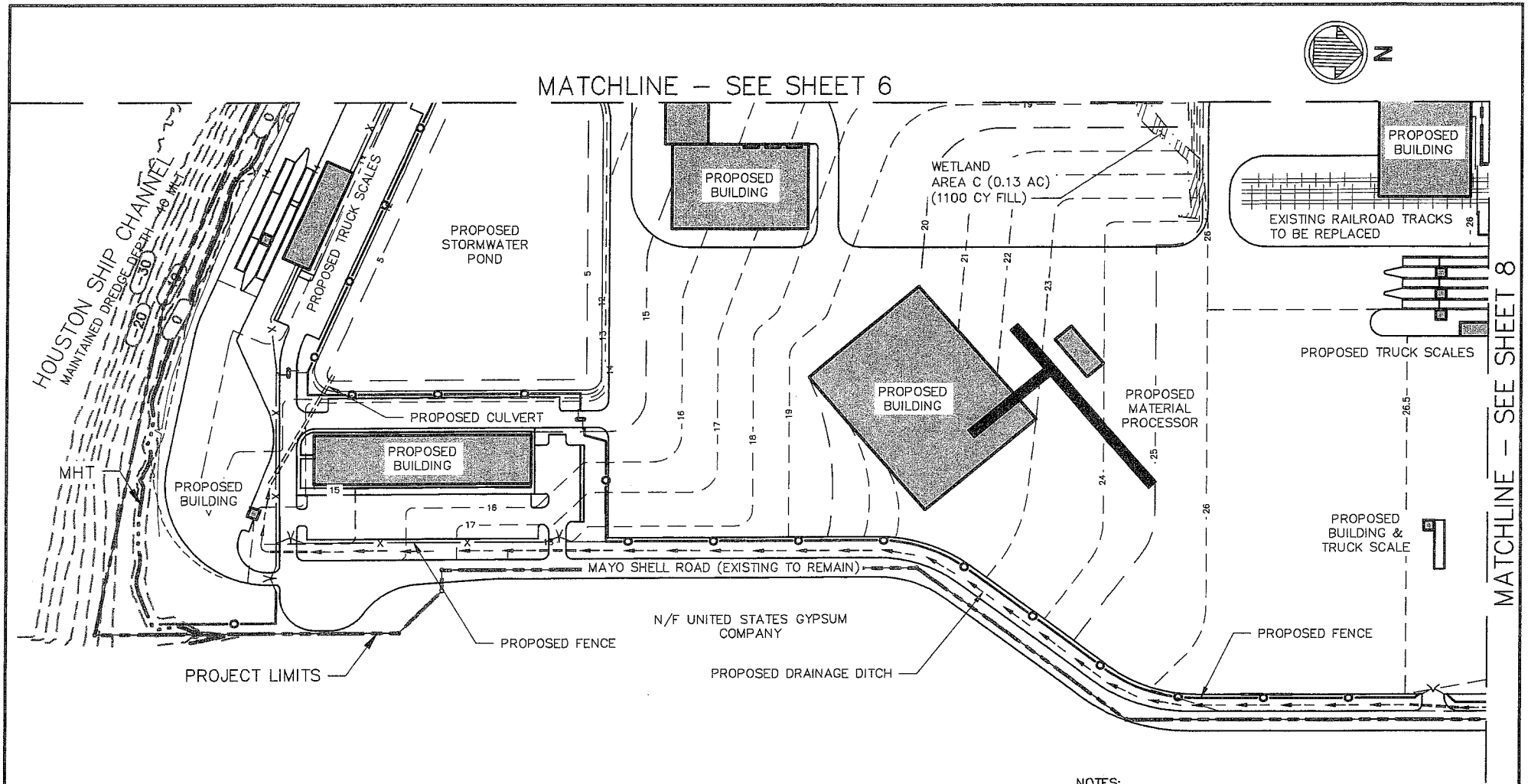
Designed by: THOMAS		Date: NOV 2012	Rev. 2
Dwn by: KOONS	Ckd by: REID	M&N Project No. 7387	
Reviewed by: WISE		Drawing code:	
Submitted by: MOFFATT & NICHOL		Drawing Scale: 1"=200'	
		Plot scale: 1:1 (A SHEET)	

SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY
WATERFRONT STRUCTURES AND DREDGING

SITE CONSTRUCTION

Mark	Description	Date	Appr.
1	ADD SECTION F	1/14/13	WJB

SIMS METAL MANAGEMENT



NOTES:

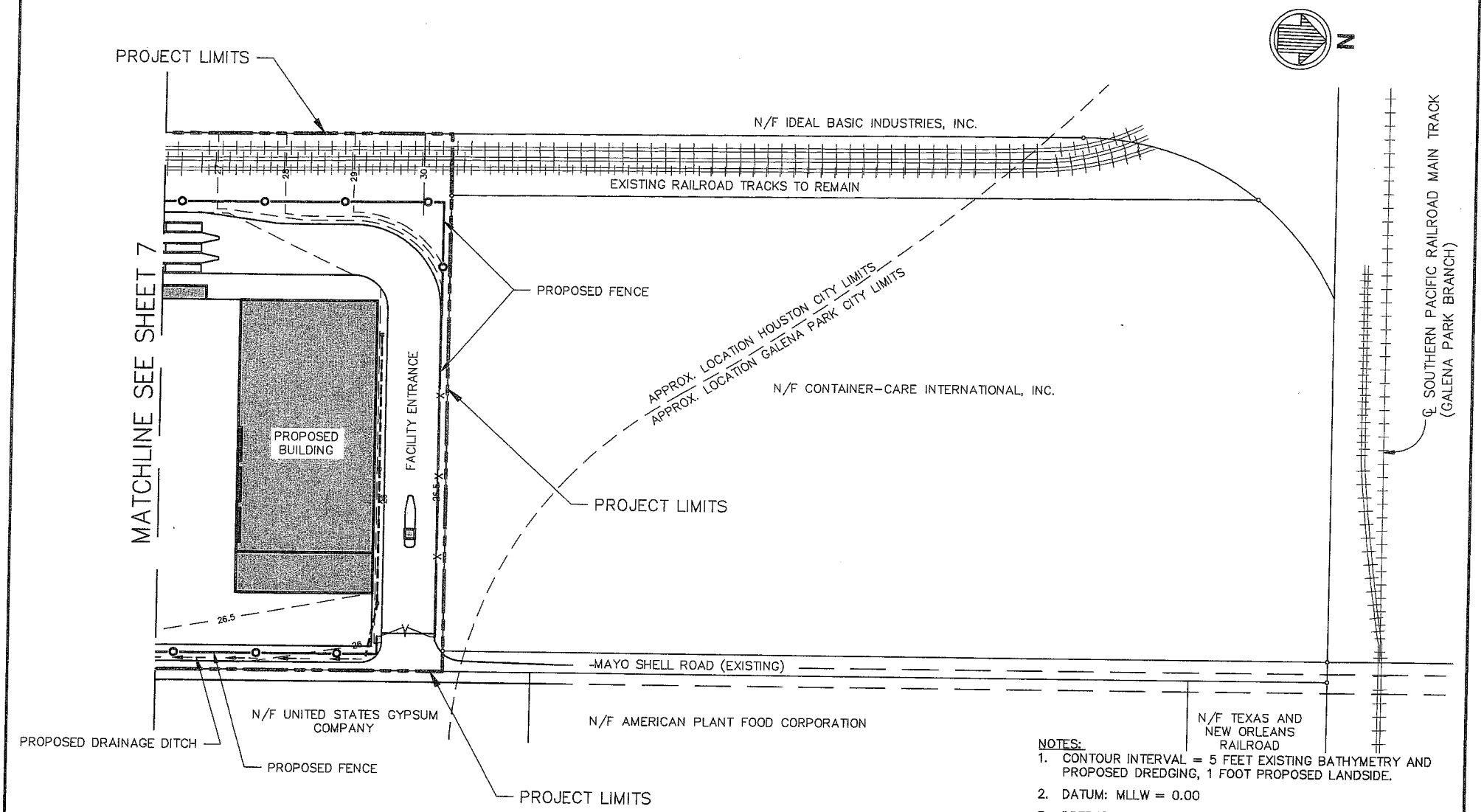
1. CONTOUR INTERVAL = 5 FEET EXISTING BATHYMETRY AND PROPOSED DREDGING, 1 FOOT PROPOSED LANDSIDE.
2. DATUM: MLLW = 0.00
3. DREDGE VOLUME INCLUDING ALLOWABLE OVERDREDGE = LESS THAN 231,900 CY
4. FILL BELOW PLANE OF MEAN HIGH TIDE (MHHW) = 0.0 CY
5. LANDSIDE CONTOURS DEPICT PROPOSED GRADES.

SWG-2012-00151, 7 of 11

Sheet 7 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS Dwn by: KOONS Ckd by: REID Reviewed by: WISE Submitted by: MOFFATT & NICHOL	Date: NOV 2012 Rev. 2 M&N Project No. 7387 Drawing code: Drawing Scale: 1"=200' Plot scale: 1:1 (A SHEET)	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING **SITE CONSTRUCTION**

Mark	Description	Date	Appr.

SIMS METAL MANAGEMENT



NOTES:

1. CONTOUR INTERVAL = 5 FEET EXISTING BATHYMETRY AND PROPOSED DREDGING, 1 FOOT PROPOSED LANDSIDE.
2. DATUM: MLLW = 0.00
3. DREDGE VOLUME INCLUDING ALLOWABLE OVERDREDGE = LESS THAN 231,900 CY
4. FILL BELOW PLANE OF MEAN HIGH TIDE (MHHW) = 0.0 CY
5. LANDSIDE CONTOURS DEPICT PROPOSED GRADES.

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Sheet 8 Of 10

moffatt & nichol

11011 RICHMOND AVENUE, STE 200
HOUSTON, TX 77042
713-977-7372

TBPE REG. NO. F3953

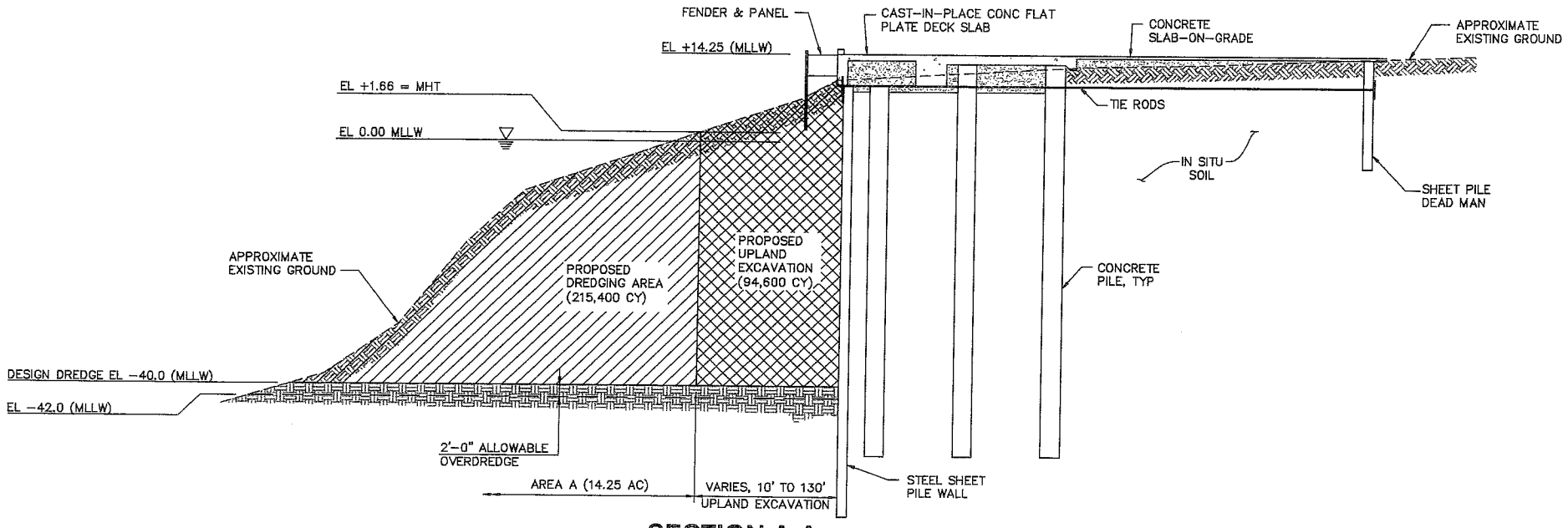
Designed by: THOMAS		Date: NOV 2012	Rev. 2
Dwn by: KOONS	Ckd by: REID	M&N Project No. 7387	
Reviewed by: WISE		Drawing code:	
Submitted by: MOFFATT & NICHOL		Drawing Scale: 1"=200'	
		Plot scale: 1:1 (A SHEET)	

SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY
WATERFRONT STRUCTURES AND DREDGING

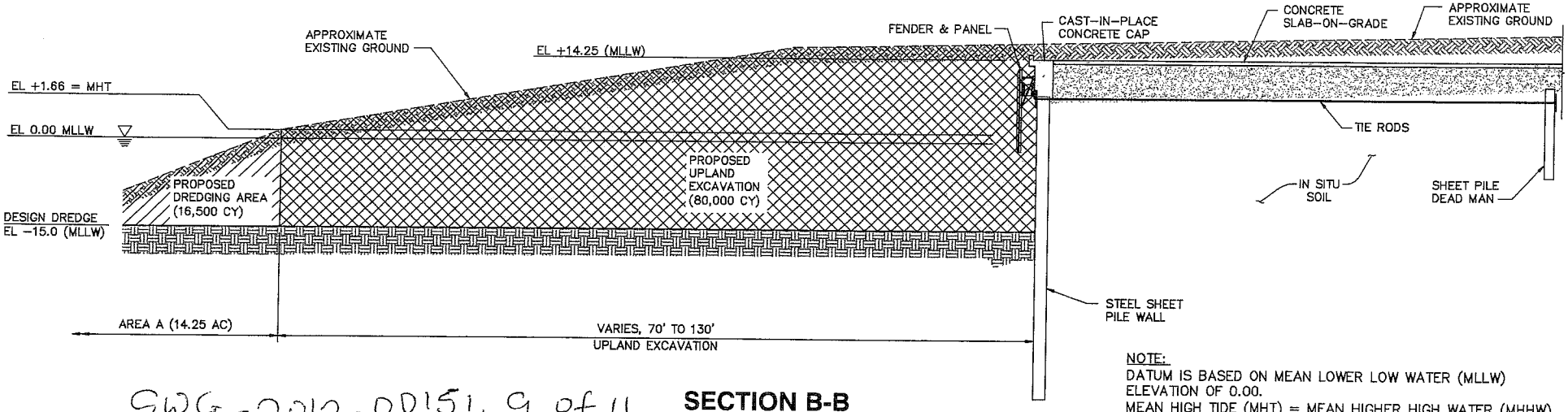
SITE CONSTRUCTION

Mark	Description	Date	Appr.

SIMS METAL MANAGEMENT



SECTION A-A



NOTE:
DATUM IS BASED ON MEAN LOWER LOW WATER (MLLW) ELEVATION OF 0.00.
MEAN HIGH TIDE (MHT) = MEAN HIGHER HIGH WATER (MHHW).

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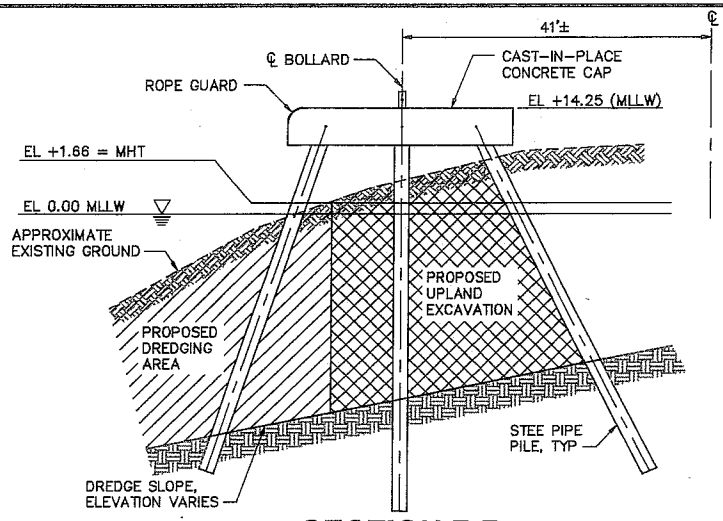
SECTION B-B

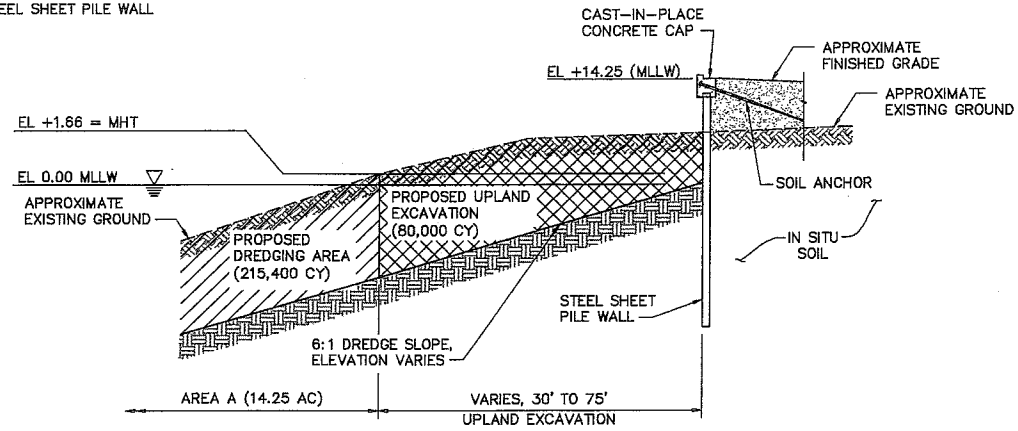
Sheet 9 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS; Date: NOV 2012; Rev. 2 Dwn by: KOONS; Ckd by: REID; M&N Project No. 7387 Reviewed by: WISE; Drawing code: Submitted by: MOFFATT & NICHOL; Drawing Scale: NTS; Plot scale: 1:1 (A SHEET)	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING **TYPICAL SECTIONS**

Mark	Description	Date	Appr.

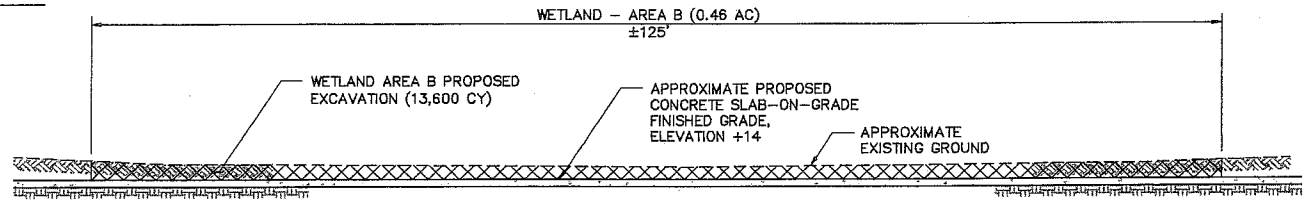
SIMS METAL MANAGEMENT



SECTION F-F



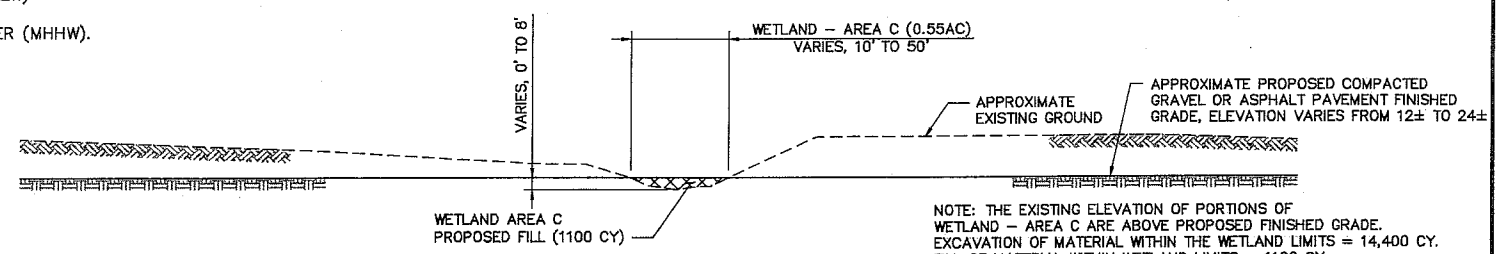
SECTION C-C



NOTE: THE EXISTING ELEVATION OF THE ENTIRE AREA OF WETLAND – AREA B IS ABOVE PROPOSED FINISHED GRADE. EXCAVATION OF MATERIAL WITHIN THE WETLAND LIMITS = 13,600 CY.

SECTION D-D

NOTE:
DATUM IS BASED ON MEAN LOWER LOW WATER (MLLW) ELEVATION OF 0.00.
MEAN HIGH TIDE (MHT) = MEAN HIGHER HIGH WATER (MHHW).



NOTE: THE EXISTING ELEVATION OF PORTIONS OF WETLAND – AREA C ARE ABOVE PROPOSED FINISHED GRADE.
EXCAVATION OF MATERIAL WITHIN THE WETLAND LIMITS = 14,400 CY.
FILL OF MATERIAL WITHIN WETLAND LIMITS = 1100 CY.
NET EXCAVATION OF MATERIAL WITHIN WETLAND LIMITS = 13,300 CY.

SECTION E-E

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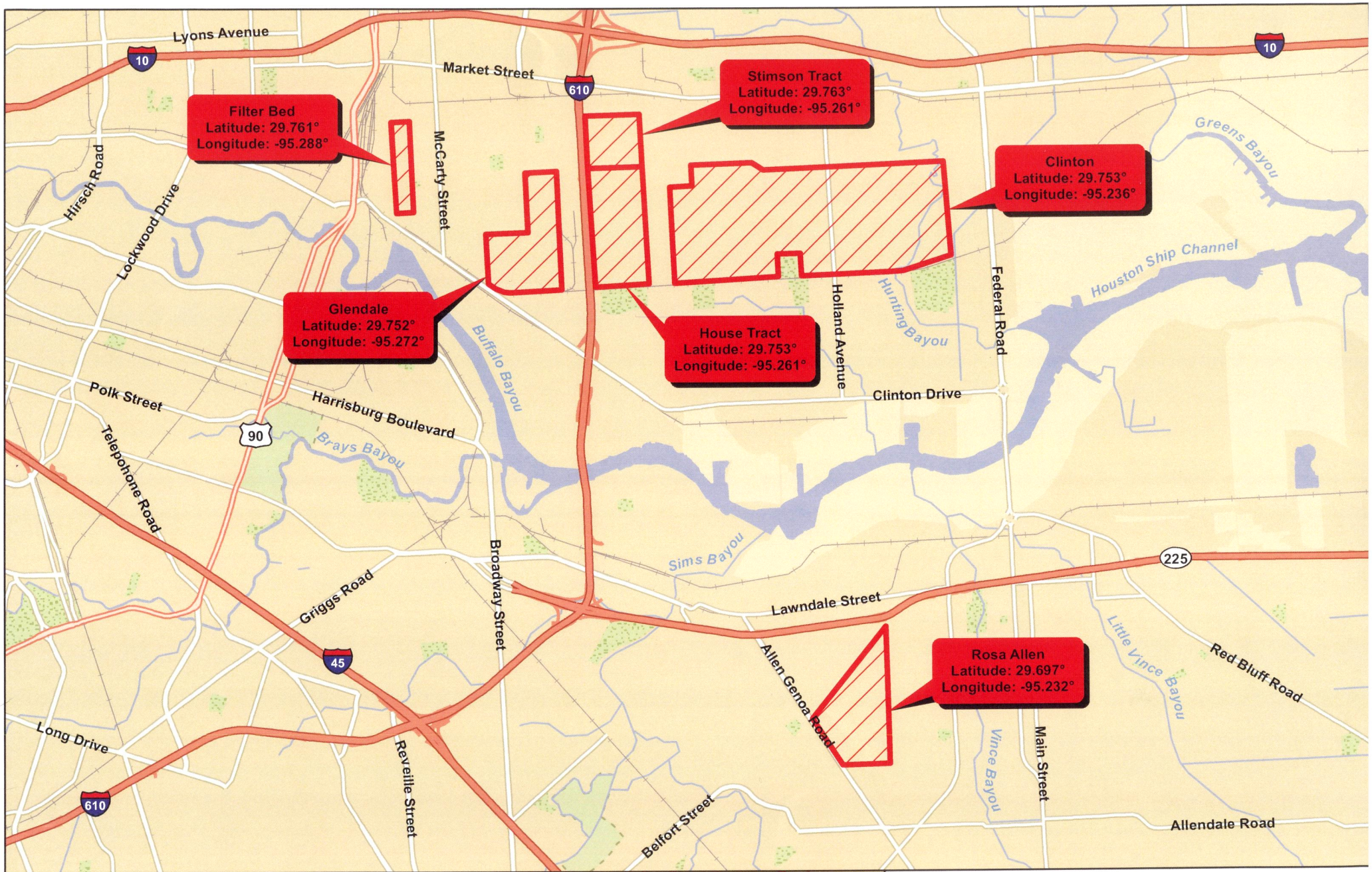
Sheet 10 Of 10	moffatt & nichol 11011 RICHMOND AVENUE, STE 200 HOUSTON, TX 77042 713-977-7372 TBPE REG. NO. F3953	Designed by: THOMAS; Date: NOV 2012; Rev. 2 Dwn by: KOONS; Ckd by: REID; M&N Project No. 7387 Reviewed by: WISE; Drawing code: Submitted by: MOFFATT & NICHOL; Drawing Scale: NTS; Plot scale: 1:1 (A SHEET)	SIMS METAL MANAGEMENT - MAYO SHELL ROAD FACILITY WATERFRONT STRUCTURES AND DREDGING **TYPICAL SECTIONS**

Mark	Description	Date	Appr.
1	ADD SECTION F	1/14/13	WJB

SIMS METAL MANAGEMENT



N

0 0.5 1 2 Miles

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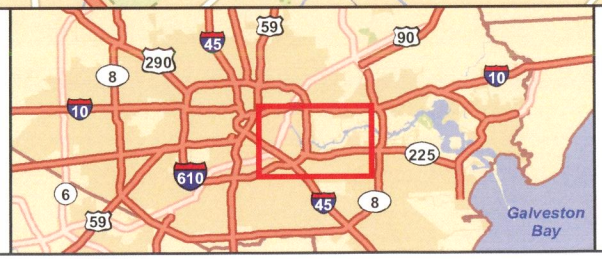
11 of 11

CROUCH ENVIRONMENTAL SERVICES, INC.



Sims Metal Management
Proposed Metal Recycling Facility
SWG-2012-00151

PROPOSED DREDGED MATERIAL PLACEMENT AREA
VICINITY MAP

Harris County, Texas