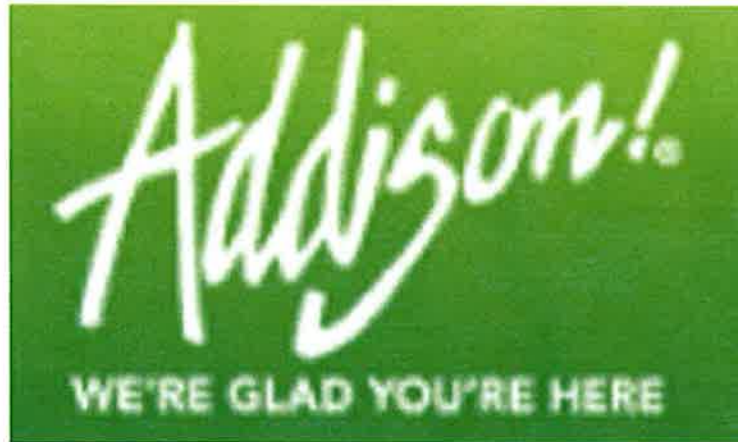


DRAINAGE IMPROVEMENTS TO MEDIAN ADJACENT TO ALL PLASTICS MOLDING

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET/LOCATION MAP
2	CONSTRUCTION NOTES
3	DEMOLITION PLAN
4	PAVEMENT RESTORATION PLAN
5	GRADING PLAN
6	CONSTRUCTION DETAILS



TODD MEIER
MAYOR

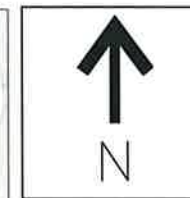
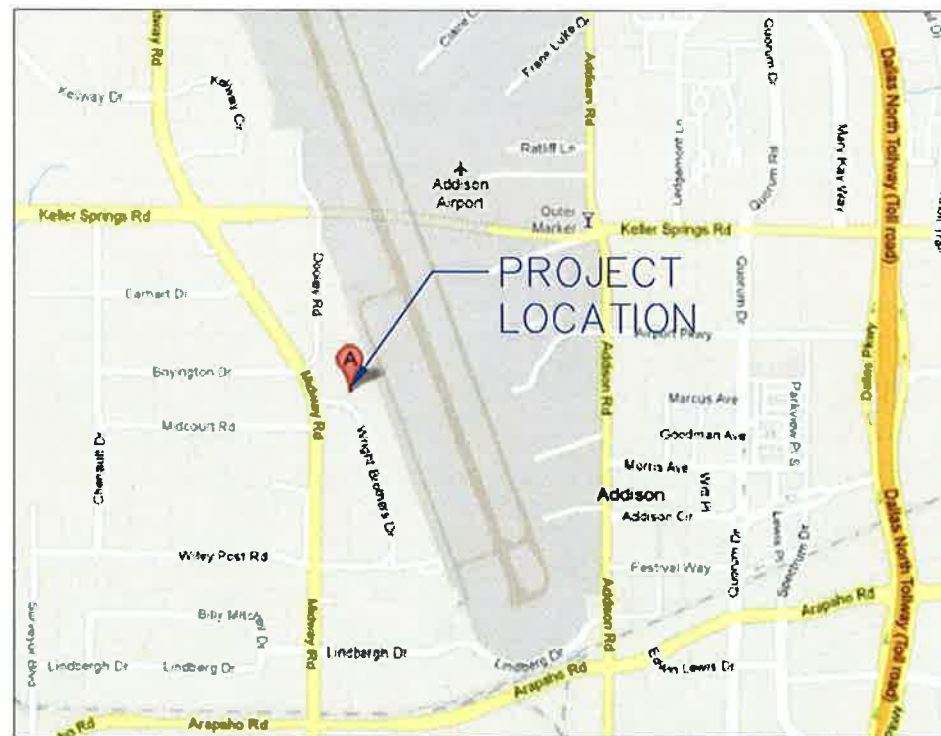
BLAKE W. CLEMENS CHRIS DEFRANSICO
KIMBERLY LAY ROGER S. MELLOW
BRUCE ARFSTEN NEIL RESNICK

COUNCIL MEMBERS

RON WHITEHEAD
CITY MANGER

LEA DUNN
DEPUTY CITY MANGER

SLADE STRICKLAND
DIRECTOR OF PARKS DEPARTMENT



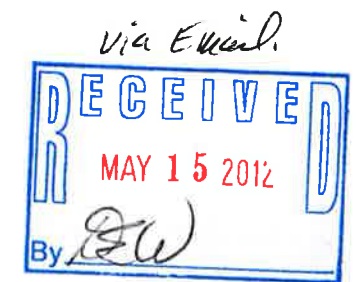
LOCATION MAP
NOT TO SCALE

OWNER:

TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
P.O. BOX 9010
ADDISON, TEXAS 75001-9010
(972) 450 2871

WARNING:

CONTRACTOR MUST CONTACT TEXAS ONE-CALL SYSTEM (DIAL 811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. R.H. SHACKELFORD INC IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA AND NOT RESPONSIBLE FOR INDICATING THE LOCATION OF ALL EXISTING UTILITIES ON THE DRAWINGS. THIS NOT APPLIES TO ALL DRAWING SHEETS INCLUDED FOR THIS PROJECT.



R.H. SHACKELFORD, INC
TBPE FIRM NO. F9797
5057 KELLER SPRINGS RD
ADDISON, TEXAS 75001 (469) 718 5528

GENERAL NOTES:

- 1.) CONTRACTOR MUST KEEP ACCESS TO ADJACENT PROPERTY OWNERS OPEN AT ALL TIMES.
- 2.) CONTRACTOR SHALL ADJUST ACCESS ROUTES TO AVOID DAMAGING SURROUNDING AREAS.
- 3.) THE LOCATIONS, ELEVATIONS, AND SIZES OF THE EXISTING UTILITIES SHOWN WERE OBTAINED FROM A SURVEY OF THE AREA. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS AND SIZES OF THE EXISTING UTILITIES BEFORE CONSTRUCTION. CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. CONTRACTOR SHALL ALSO COORDINATE WITH APPLICABLE UTILITIES PRIOR TO BEGINNING WORK.
- 4.) IRRIGATION REPAIR SHALL BE PERFORMED BY A LICENSED IRRIGATOR AND COMPLY WITH THE TOWN OF ADDISON SPECIFICATION. ANY IRRIGATION DAMAGED AS A RESULT OF THE CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 5.) CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AT ALL TIME DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING STRUCTURES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 6.) CONTRACTOR SHALL RESTORE SITE TO LIKE OR BETTER CONDITION UPON COMPLETION OF THE PROJECT.
- 7.) ALL WORK SHALL BE DONE IN ACCORDANCE WITH TOWN OF ADDISON SPECIFICATIONS AND Standard Specifications for Public Works Construction, North Central Texas – North Central Texas Council of Governments (October, 2004); .
- 8.) CONTRACTOR SHALL SUPPLY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE TOWN FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- 9.) ALL DEMOLITION AND HAUL OFF IS SUBSIDIARY AND SHOULD BE BID UNDER ITEM #9.
- 10.) BID ITEM #13 IS HOURLY WORK AS DIRECTED BY THE ENGINEER OR RPR (RESIDENT PROJECT REP).

GENERAL DESCRIPTION OF PROJECT:

PROJECT CONSISTS OF REMOVING AND REPLACING AREAS OF HMAC AND CONCRETE CURBS, GRADING, INSTALLATION OF A SWALE, AND RE-SODDING TO ALLEVIATE LOW AREAS THAT ARE HOLDING WATER.

CONCRETE NOTES:











- 1.) REFERENCES TO TxDOT SHALL BE THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES 2004 EDITION.
- 2.) CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI 318.
- 3.) ALL REINFORCING STEEL SHALL BE ASTM GRADE 60 IN ACCORDANCE WITH TxDOT ITEM 440, REINFORCING STEEL. SUBMIT CERTIFICATION FOR ALL REINFORCING STEEL. ALL REINFORCING STEEL SHALL BE CLEAN AND FREE OF RUST BEFORE PLACEMENT.
- 4.) JOINT FILLERS AND SEALERS SHALL BE IN ACCORDANCE WITH TxDOT ITEM 436, CLEANING AND SEALING JOINTS AND CRACKS (RIGID PAVEMENT AND BRIDGE DECKS). SUBMIT PRODUCT DATA FOR ALL JOINTS AND SEALANTS FOR APPROVAL. SEALANT SHALL BE POLYURETHANE CLASS 1 PER TxDOT MATERIAL SPECIFICATION DMS-6310.
- 5.) ALL BAR DIMENSIONS ARE TO OUTSIDE OF BAR UNLESS OTHERWISE SHOWN.
- 6.) REINFORCING BARS SHALL HAVE A MINIMUM CLEAR COVER OF 3" WHEN CAST AGAINST THE EARTH AND 2" MINIMUM OTHERWISE.

ASPHALT NOTES:


- 1.) ASPHALT SURFACE COURSE SHALL BE 2" HMAC TYPE D. BASE SHALL BE 4" HMAC TYPE B.
- 2.) ASPHALT SAW CUTS SHALL BE "FULL DEPTH."

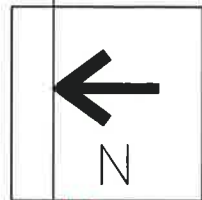
LANDSCAPING NOTES:

- 1.) CONTRACTOR SHALL PROTECT EXISTING TREES.
- 2.) CONTRACTOR WILL REMOVE EXISTING SOD AND SOIL, TILL SOIL TO A DEPTH OF 4", COMPACT EXISTING SOIL IN-SITU, PLACE FRESH NATIVE TOPSOIL, RAKE TO GRADE, AND INSTALL NEW COMMON BERMUDA SOD (CT-2).

LEGEND	
SYMBOL	DESCRIPTION
	IRRIGATION CONTROL VALVE
	SANITARY SEWER MANHOLE
	POWER POLE GUY WIRE
	POWER POLE
	TELEPHONE MANHOLE
	WATER VALVE
	ASPHALT
	CONCRETE CURB & GUTTER
	TREE
	ELECTRICAL MANHOLE

BID SCHEDULE			
ITEM	DESCRIPTION	UNIT	QUANTITY
1	Mobilization	LS	1
2	SW3P Including Maintenance and Erosion Control	LS	1
3	Silt Fence	LF	200
4	Remove and Discard HMAC Pavement	SF	330
5	Remove and Discard Concrete Curb and Gutter	LF	50
6	Remove and Discard Existing Pipe and Concrete Flume	SF	16
7	Remove and Discard Existing Sod	SF	4500
8	Irrigation Modification	LS	1
9	Drainage Area Excavation (max 12")	SY	500
10	Install HMAC (Complete in place)	SF	330
11	Install Concrete Curb and Gutter (Complete in Place)	LF	50
12	Grading and Subgrade Preparation	SY	500
13	Additional Grading as Required by the Engineer/Inspector	HR	4
14	Install New Common Bermuda Sod CT-2 (Complete in place)	SF	4500
15	90 day Landscape Establishment	LS	1
16	Adjust Water Meter	EA	2

NO.	DATE	REVISION	APPROV.
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500	
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
CONSTRUCTION NOTES			
DESIGN	DRAWN	DATE	SCALE
CHECK	CHECK	2/23/2012	INTS
PRO. #	SHEET #		
001	1		



REMOVE & REPLACE
EXISTING CURB AND
GUTTER.

REMOVE EXISTING CONCRETE
FLUME AND PIPE.

ELEC.
PED.



WM



ICV

CONCRETE
HMAC

CONCRETE
HMAC

4"

42' 1/2"

2'

24' 1/2"

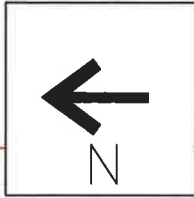
REMOVE EXISTING
HMAC

REMOVE ONE (1)
WOODEN BOLLARD

SAW-CUT HMAC
(FULL DEPTH) CLEANLY,
STRAIGHT FROM SOUTH
EDGE OF EXISTING DRIVE



NO.	DATE	REVISION	APPROV.
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500	
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
DEMOLITION PLAN			
DESIGN	DRAWN	DATE	SCALE
CHECK	CHECK	2/23/2012	NTS
		PRO. #	SHEET #
		001	1



CONCRETE

HMAC

CONCRETE

HMAC

R5'

4'

42' 1/2"

INSTALL NEW
CONCRETE CURB
AND GUTTER. (SEE
DETAIL #2)

2'

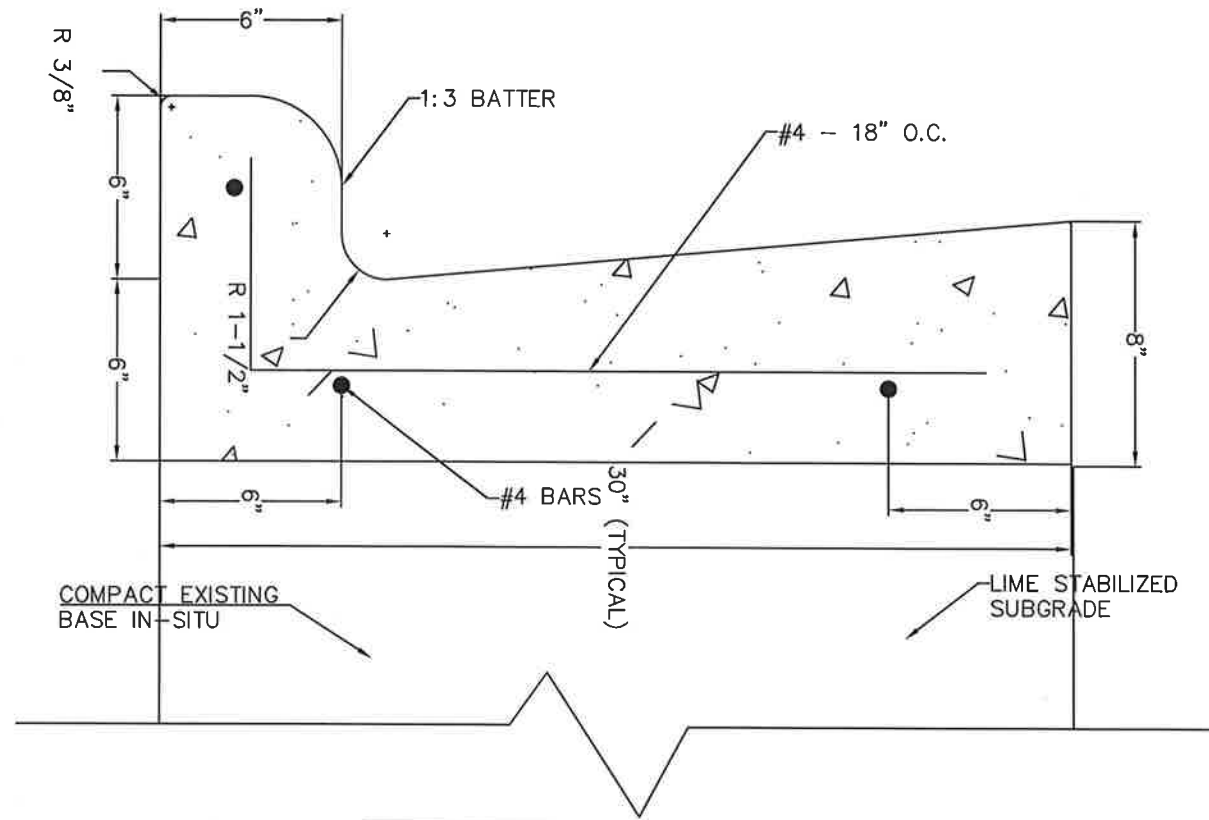
INSTALL NEW HMAC
TYPE D. MATCH
EXISTING GRADES. (SEE
DETAIL #3)

24' 1/2"

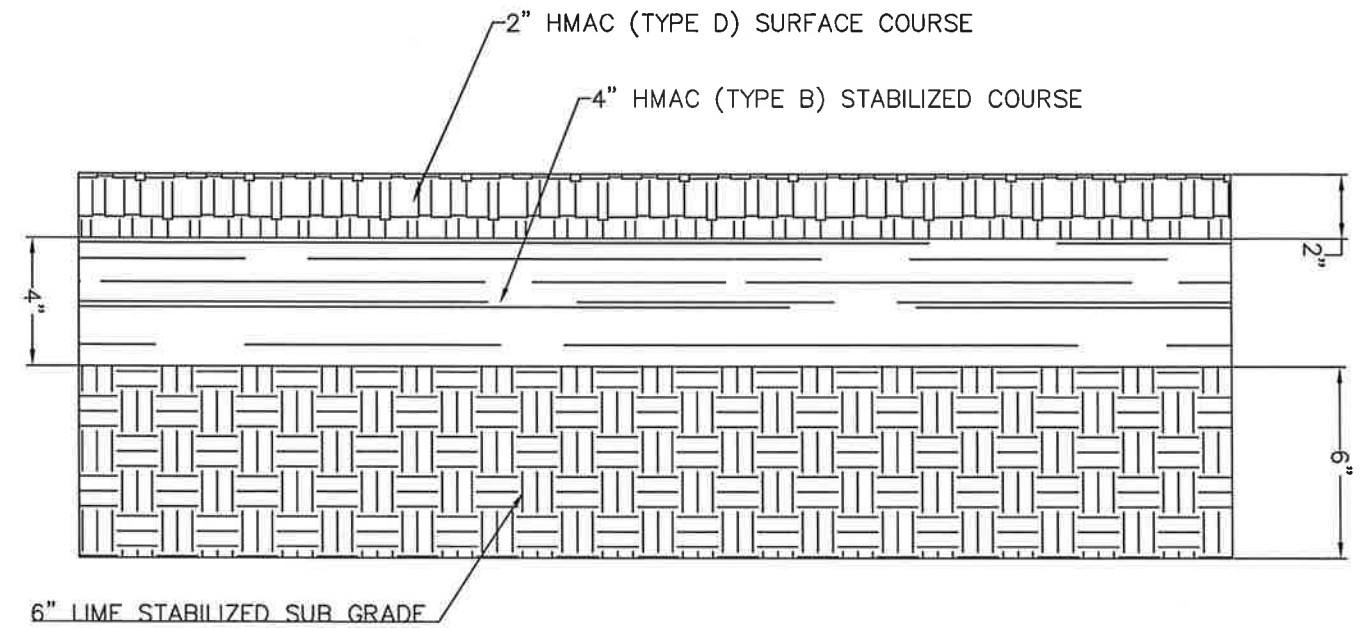
INSTALL CONCRETE
FLUSH CURB (SEE
DETAIL #4)

6'

NO.	DATE	REVISION	APPROV.		
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500			
RH SHACKELFORD, INC EST. 1988					
MIDWAY DRAINAGE PROJECT					
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD					
PAVEMENT RESTORATION PLAN					
DESIGN	DRAWN	DATE	SCALE	PRO. #	SHEET #
CHECK	CHECK	2/23/2012	NTS	001	1

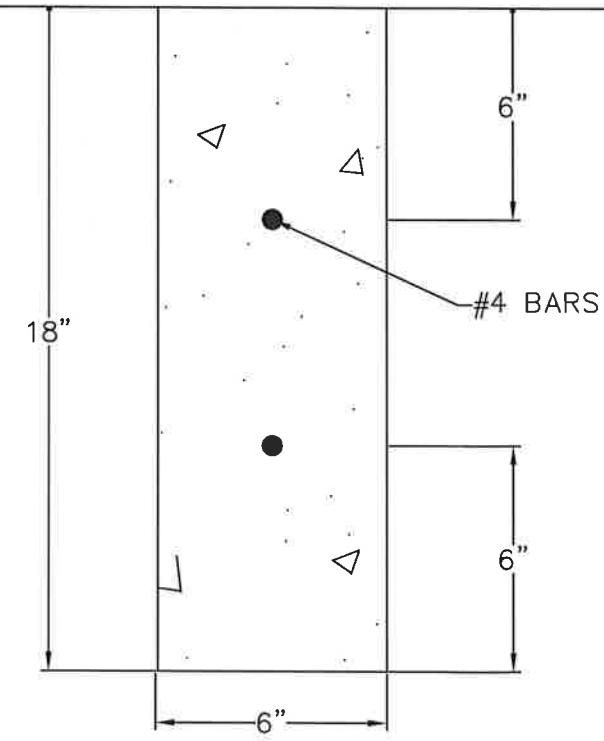


CONCRETE CURB AND GUTTER
DETAIL #2

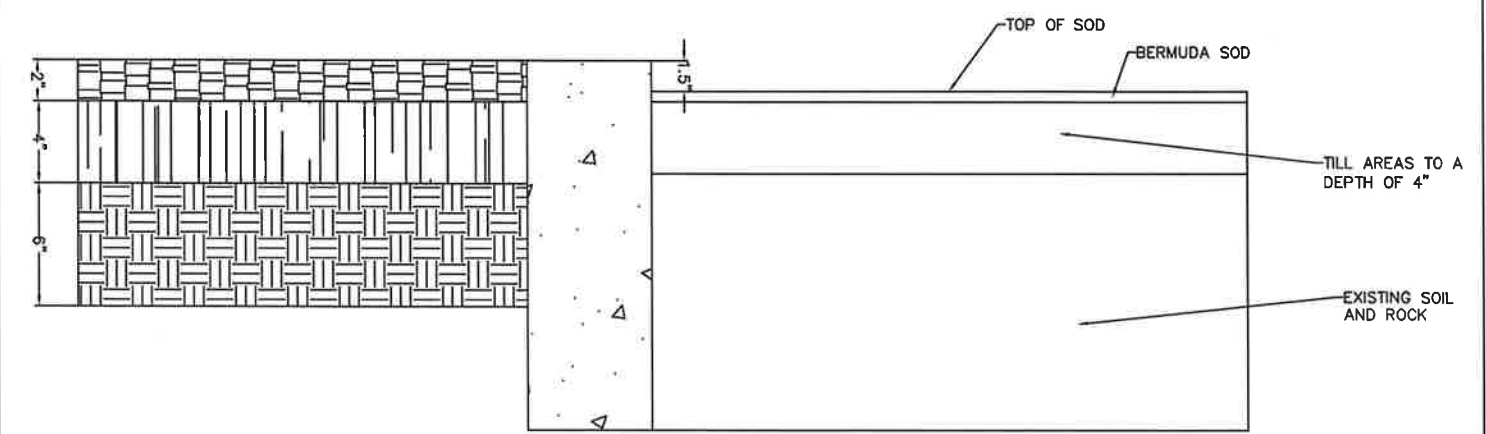


NOTE:
A CUT OF 6" INTO EXISTING PAVEMENT IS REQUIRED FOR CONSTRUCTION JOINT WITH NEW POURS TO GET A SMOOTH FINISH.

HMAC CROSS SECTION
DETAIL #3



CONCRETE HEADER
CURB DETAIL #4



NOTE:
ALL TOPSOIL WILL BE CLEAN, NATIVE TOPSOIL. CONTRACTOR WILL TILL SOIL TO A DEPTH OF 4" AND RAKE TO GRADE PRIOR TO INSTALLATION OF SOD. CONTRACTOR WILL WORK IN A MANOR TO MAINTAIN A SMOOTH TRANSITION ONTO EXISTING SOD AREAS.

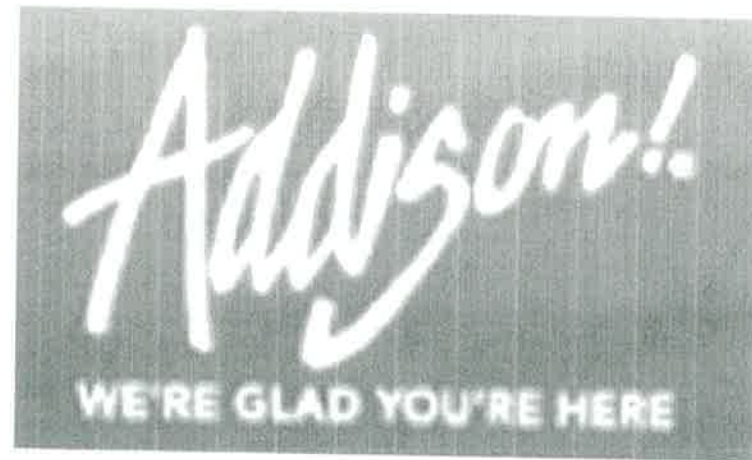
DROP OFF AT HEADER
CURB
DETAIL #5

NO.	DATE	REVISION	APPROV.
5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500			
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
CONSTRUCTION DETAILS			
DESIGN	DRAWN	DATE	SCALE
CHECK	CHECK	2/23/2012	NTS
PRO. #	SHEET #		
001	1		

DRAINAGE IMPROVEMENTS TO MEDIAN ADJACENT TO ALL PLASTICS MOLDING

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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COPY

TODD MEIER
MAYOR

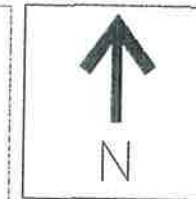
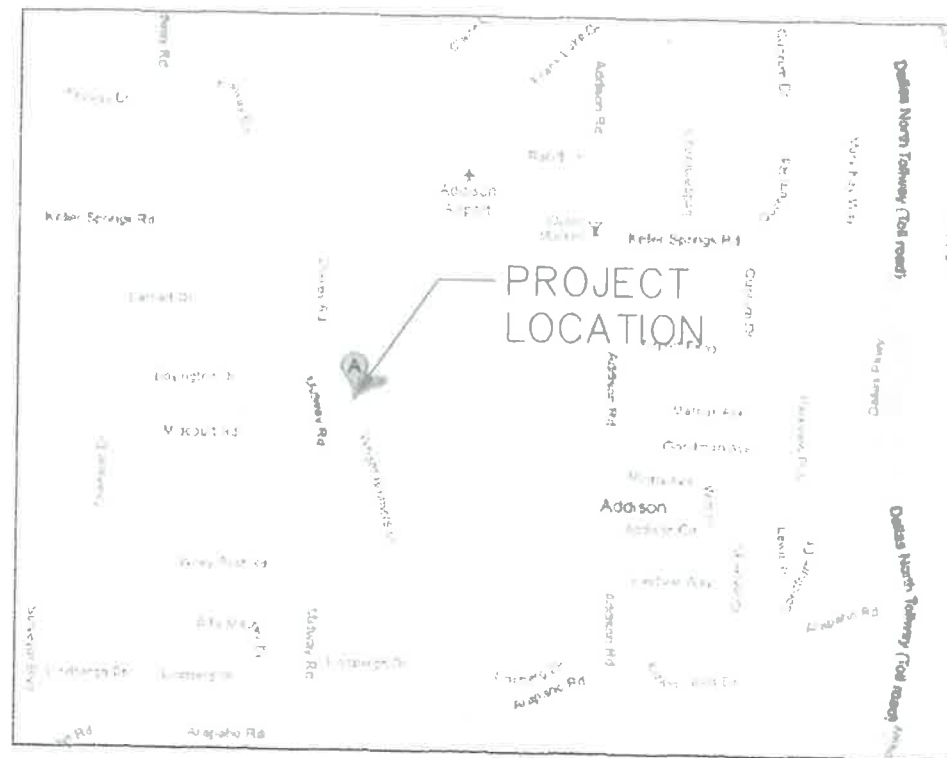
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SLADE STRICKLAND
DIRECTOR OF PARKS DEPARTMENT



OWNER:

TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
P.O. BOX 9010
ADDISON, TEXAS 75001-9010
(972) 450 2871

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LOCATION MAP
NOT TO SCALE



R.H. SHACKELFORD, INC
TBPE FIRM NO. F9797
5057 KELLER SPRINGS RD
ADDISON, TEXAS 75001 (469) 718 5528

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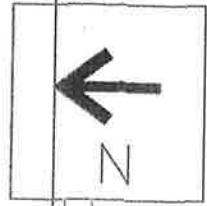
LANDSCAPING NOTES:

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LEGEND	
SYMBOL	DESCRIPTION
	IRRIGATION CONTROL VALVE
	SANITARY SEWER MANHOLE
	POWER POLE GUY WIRE
	POWER POLE
	TELEPHONE MANHOLE
	WATER VALVE
	ASPHALT
	CONCRETE CURB & GUTTER
	TREE
	ELECTRICAL MANHOLE

BID SCHEDULE			
ITEM	DESCRIPTION	UNIT	QUANTITY
1	Mobilization	LS	1
2	SW3P Including Maintenance and Erosion Control	LS	1
3	Silt Fence	LF	200
4	Remove and Discard HMAC Pavement	SF	330
5	Remove and Discard Concrete Curb and Gutter	LF	50
6	Remove and Discard Existing Pipe and Concrete Flume	SF	16
7	Remove and Discard Existing Sod	SF	4500
8	Irrigation Modification	LS	1
9	Drainage Area Excavation (max 12")	SY	500
10	Install HMAC (Complete in place)	SF	330
11	Install Concrete Curb and Gutter (Complete in Place)	LF	50
12	Grading and Subgrade Preparation	SY	500
13	Additional Grading as Required by the Engineer/Inspector	HR	4
14	Install New Common Bermuda Sod CT-2 (Complete in place)	SF	4500
15	90 day Landscape Establishment	LS	1
16	Adjust Water Meter	EA	2

NO.	DATE	REVISION	APPROV.
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500	
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
CONSTRUCTION NOTES			
DESIGN	DRAWN	DATE	SCALE
CHECK	CHECK	12/23/2012	INTS
PRO. #	SHEET #		
001	1		



REMOVE & REPLACE
EXISTING CURB AND
GUTTER.

REMOVE EXISTING CONCRETE
FLUME AND PIPE.

ELEC.
PED.

WM

ICV

CONCRETE
HMAC

CONCRETE
HMAC

4"

42' 1/2"

2'

24' 1/2"


REMOVE EXISTING
HMAC

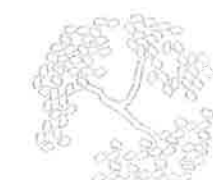
REMOVE ONE (1)
WOODEN BOLLARD

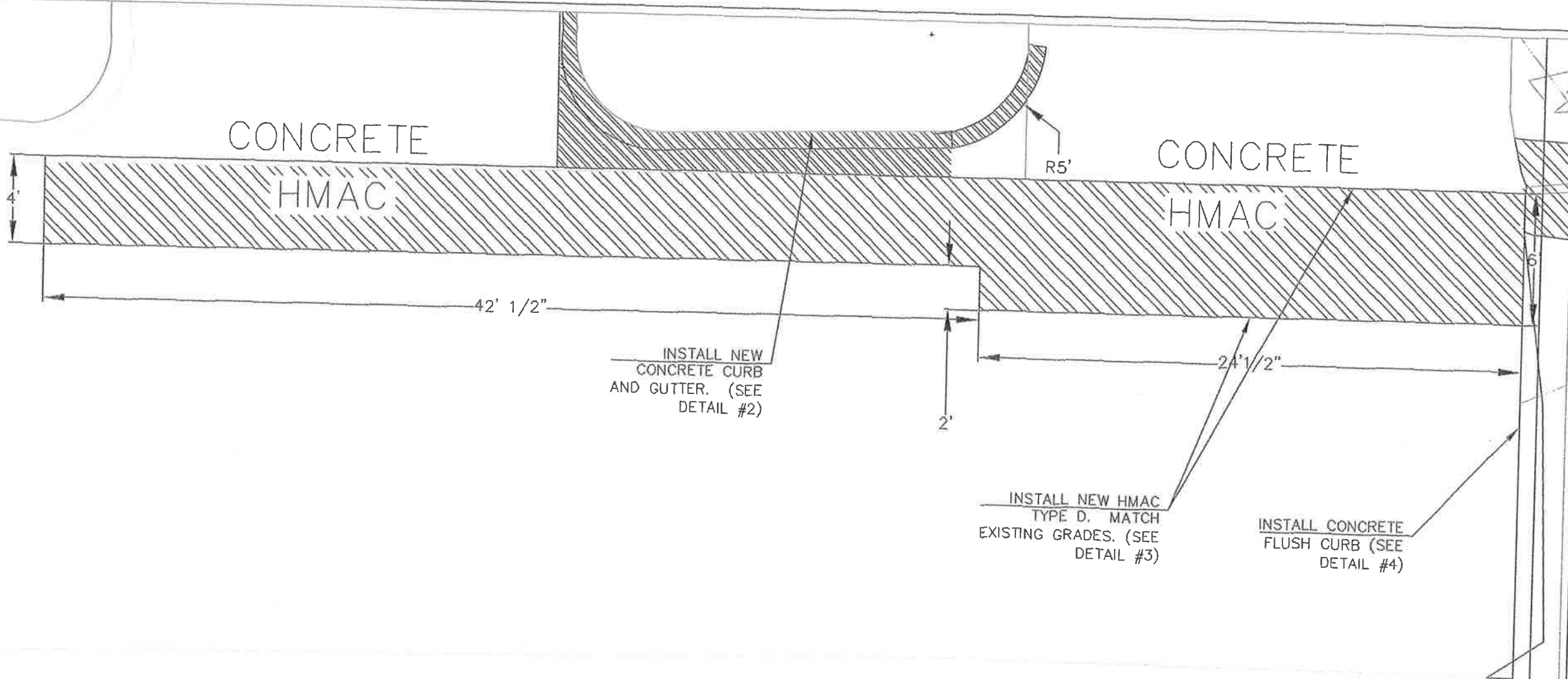
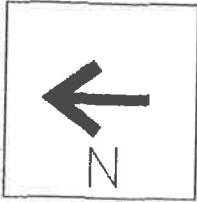
SAW-CUT HMAC
(FULL DEPTH) CLEANLY,
STRAIGHT FROM SOUTH
EDGE OF EXISTING DRIVE

ICV

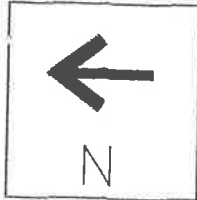
ICV

NO.	DATE	REVISION	APPROV.
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500	
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
DEMOLITION PLAN			
DESIGN CHECK	DRAWN CHECK	DATE 12/23/2012	SCALE NTS
		PRO. # 001	SHEET # 1

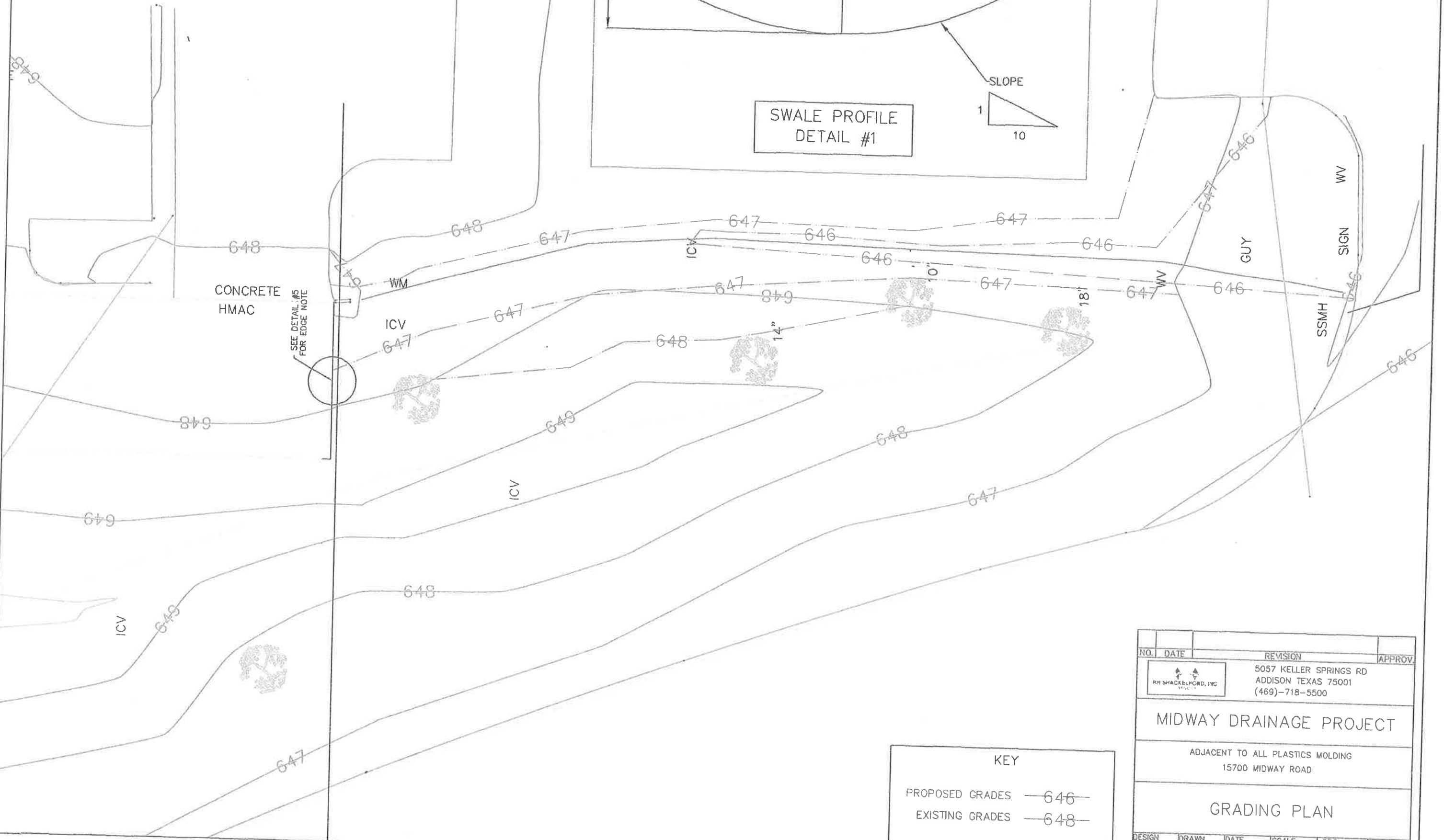
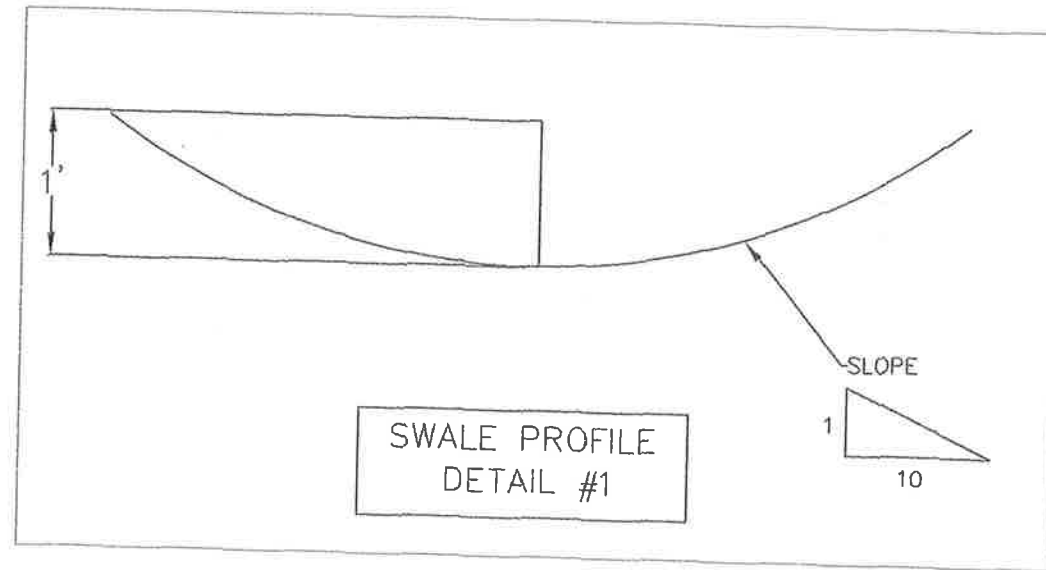




NO.	DATE	REVISION	APPROV.		
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500			
MIDWAY DRAINAGE PROJECT					
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD					
PAVEMENT RESTORATION PLAN					
DESIGN	DRAWN	DATE	SCALE	PRO. #	SHEET #
CHECK	CHECK	12/23/2012	NTS	001	1

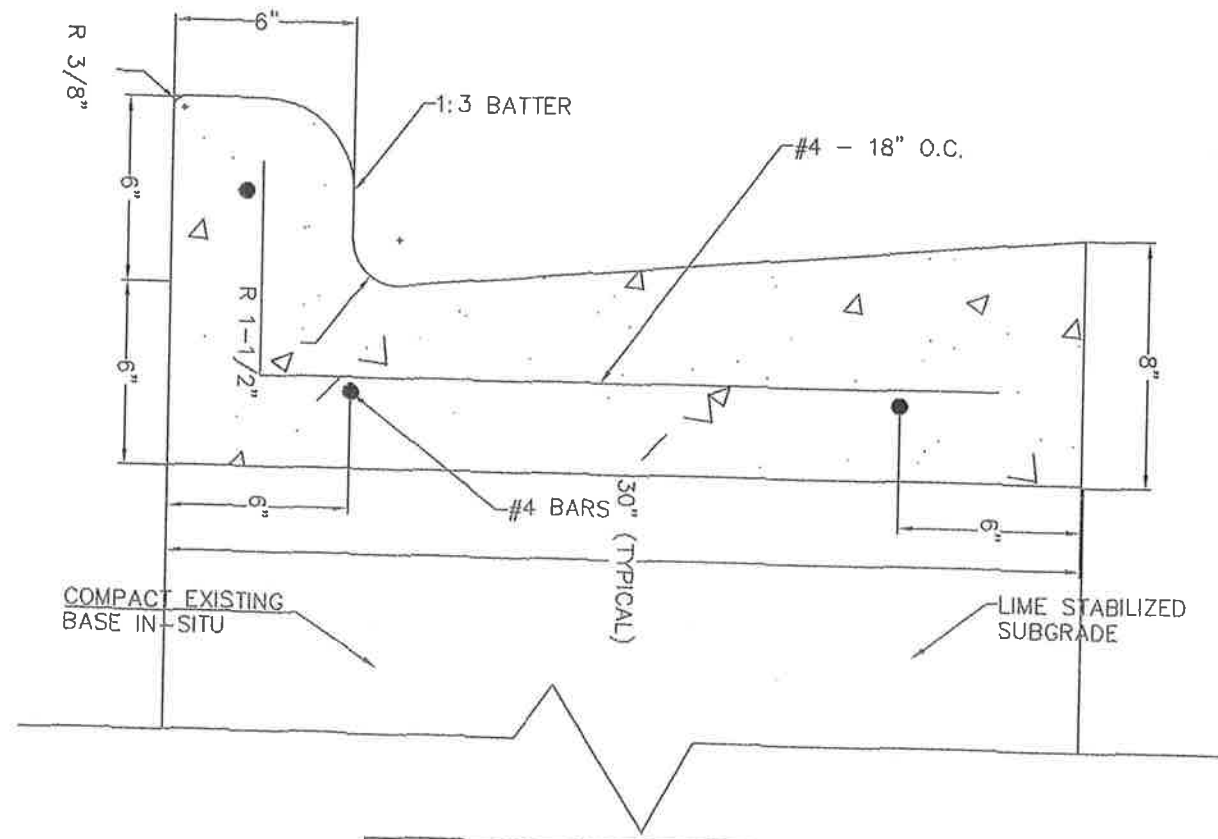


CONCRETE

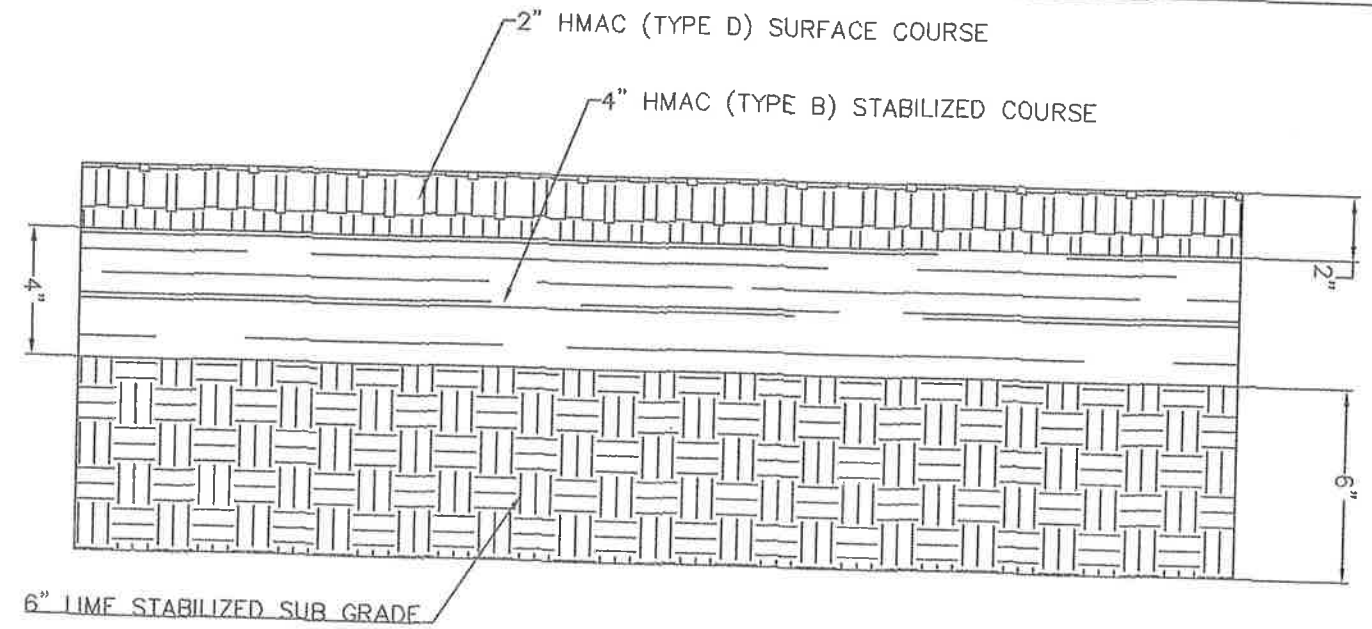


KEY	
PROPOSED GRADES	—646—
EXISTING GRADES	—648—

NO.	DATE	REVISION	APPROV.
		5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500	
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
GRADING PLAN			
DESIGN	DRAWN	DATE	SCALE
CHECK	CHECK	2/23/2012	NTS
PRO. #	SHEET #		
001	1		

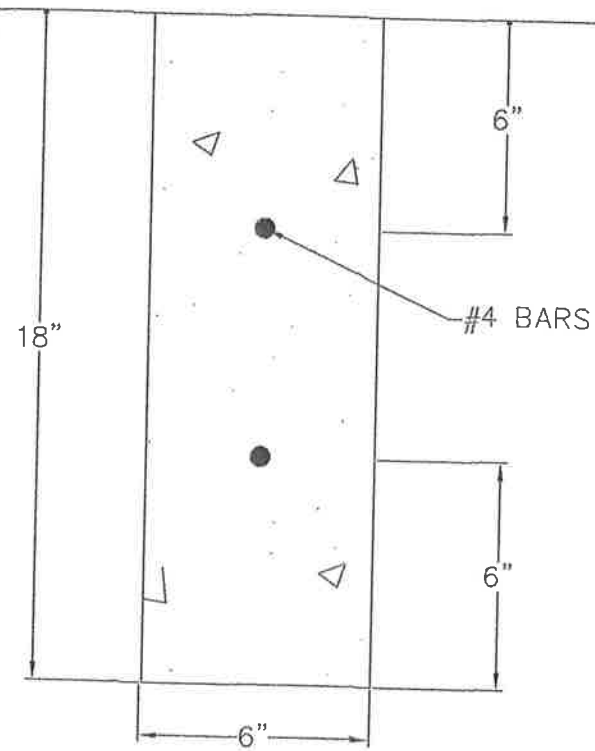


CONCRETE CURB AND GUTTER
DETAIL #2

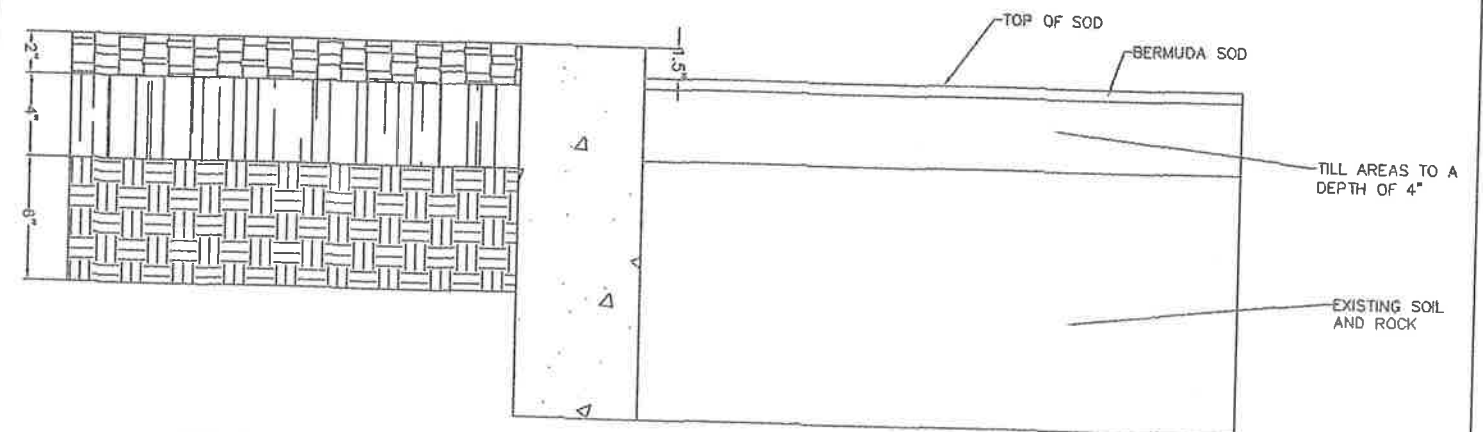


HMAC CROSS SECTION
DETAIL #3

NOTE:
A CUT OF 6" INTO EXISTING PAVEMENT IS REQUIRED FOR CONSTRUCTION JOINT WITH NEW POURS TO GET A SMOOTH FINISH.



CONCRETE HEADER
CURB DETAIL #4



DROP OFF AT HEADER
CURB
DETAIL #5

NOTE:
ALL TOPSOIL WILL BE CLEAN, NATIVE TOPSOIL. CONTRACTOR WILL TILL SOIL TO A DEPTH OF 4" AND RAKE TO GRADE PRIOR TO INSTALLATION OF SOD. CONTRACTOR WILL WORK IN A MANNER TO MAINTAIN A SMOOTH TRANSITION ONTO EXISTING SOD AREAS.

NO.	DATE	REVISION	APPROV.
5057 KELLER SPRINGS RD ADDISON TEXAS 75001 (469)-718-5500			
MIDWAY DRAINAGE PROJECT			
ADJACENT TO ALL PLASTICS MOLDING 15700 MIDWAY ROAD			
CONSTRUCTION DETAILS			
DESIGN CHECK	DRAWN CHECK	DATE 2/23/2012	SCALE NTS
PRO. # 001	SHEET # 1		