

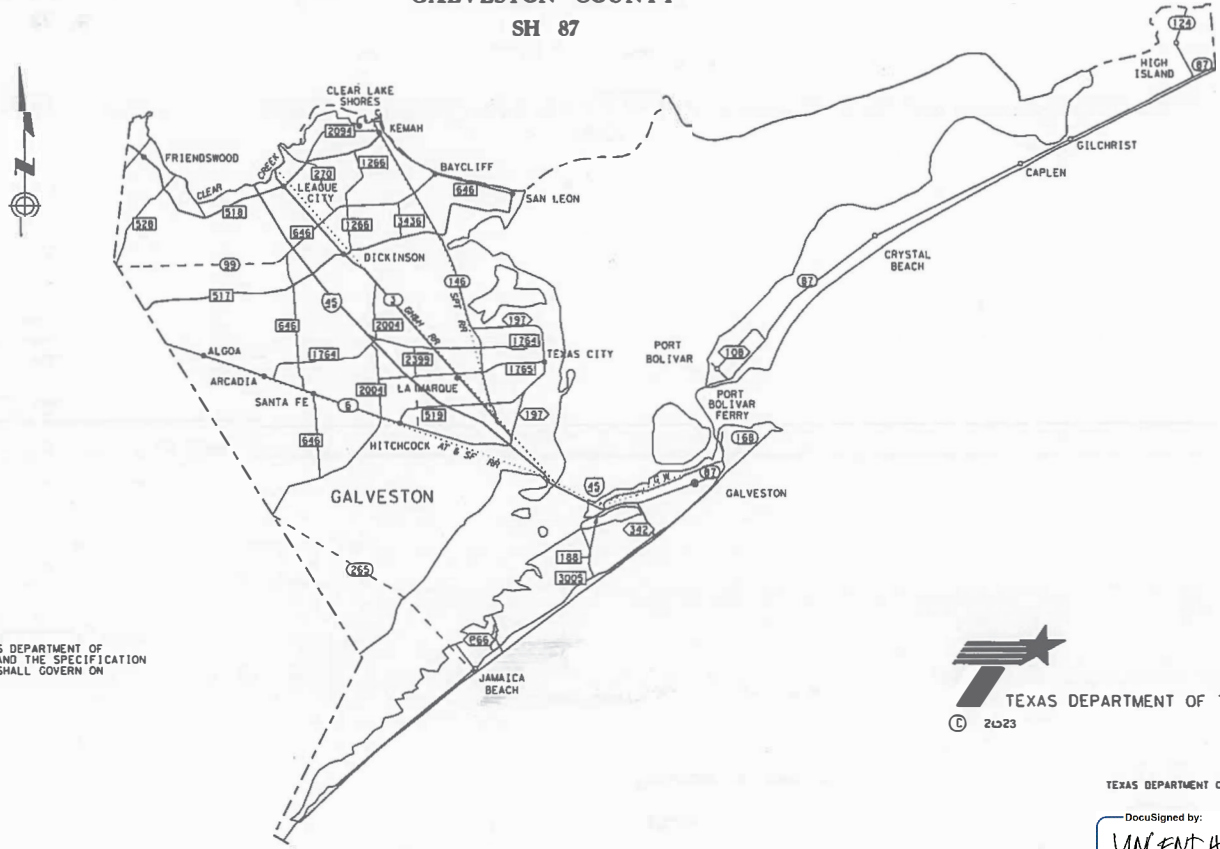
FED. PROJ. NO.	MAINTENANCE PROJECT NO.	SHEET NO.
6	RMC 6427-74-001	1
STATE	STATE DIST.	COUNTY
TEXAS	HOU	GALVESTON
COMT. SECT.	JOB	SECTION NO.
6427 74	001	SH 87

INDEX OF SHEETS

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6	GALVESTON FERRY LANDING BED MAINTENANCE PLAN
7	GROUND'S LAYOUT FOR BOLIVAR FERRY OPERATION
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**STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION**

**PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT
STATE USE PROJECT - LANDSCAPING MAINTENANCE
GALVESTON COUNTY
SH 87**



NOTE:
SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, NOVEMBER 1, 2014, AND THE SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT.



TEXAS DEPARTMENT OF TRANSPORTATION

DocuSigned by:
VINCENT HIEU TANG
755298276ECE494...

DocuSigned by:
Melody I. Galland
A667165730A3459...

COUNTY GALVESTON ON PROJ. NO. RMC 6427-74-001
HWY. NO. SH 87 - LETTING DATE
DATE ACCEPTED.

_____, PE DATE _____
STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE WITH A POUND SIGN (#) HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

EXCEPTIONS: NONE
EQUATIONS: NONE

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County: Galveston

Highway: SH 87

GENERAL NOTES:

SUPERVISION:

Plans are required. Refer questions to:

Texas Department of Transportation
Galveston Ferry Office
William Maxey
1000 Ferry Rd. North
Galveston, Texas 77553
(409) 795-2238

This project will be managed by and requests for payment should be addressed to:

Texas Department of Transportation
Galveston Ferry Office
William Maxey
1000 Ferry Rd. North
Galveston, Texas 77553
(409) 795-2238

General:

Contractor questions on this project are to be addressed to the following individual(s):

Melody Galland, P.E.; Melody.Galland@txdot.gov
William Maxey; William.Maxey@txdot.gov

Contractor questions will be accepted through email, phone, and in person by the above individuals. Contractor questions will be reviewed by the Area Engineer or Assistant Area Engineer. Once a response is developed, it will be posted to TxDOT's Public FTP at the following address:

<https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting%20Responses/>

Questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, and CCSJ/Project Name.

This is a Routine Maintenance Site Specific Contract.

County: Galveston

Highway: SH 87

TWIC (Transportation Worker's Identification Credential) cards are required for a minimum of two members of the landscaping crew working at the Galveston Ferry Operation. Any related enrollment and/or renewal fees are the responsibility of the Contractor. Provide documentation of such certification and obtain approval before contract commences.

Provide a schedule of planned work for the next month by the 3rd week of the current month. Notify the Department by 8:00 a.m. when work will not be able to be performed on the scheduled day.

Prior to the start of each shift, the Contractor's employees must check in and out with the Department and complete the daily work activity log. Complete work during normal work hours observed by the Department and work weekends with prior approval.

Have a skilled English-speaking supervisor knowledgeable of the specifications of the contract that will personally inspect the performance of the crew in all areas to assure first class workmanship. Inspect areas with the Department on request. The supervisor must be satisfactory to the Department and on the job at all times. A Department employee will make daily inspections of the work and has authority to point out incomplete or defective work, and necessary corrective measures. However, they do not have authority to alter the terms or conditions of the Contract. Correct discrepancies pointed out by the Department.

Prior to starting work, the Department will arrange a meeting between the Department and the Contractor so that the Contractor can outline the proposed procedures. Once work has started on an item, proceed in a timely manner until all work is complete on that item, or as directed.

Turn over "Lost and found" items to the Department. Any damage to Department property caused by the Contractor's negligence, equipment, or employees will be repaired at the Contractor's expense.

General: Site Management

No equipment will be stored on Department property.

Personal vehicles of employees are not permitted to park within the right of way, including sections closed to public traffic.

At no time can gas cans or propane tanks containing fuel be taken aboard a ferry vessel unless meeting certain criteria. Any propane tanks taken aboard must be hooked up to a piece of equipment. Any fuel can must be brand new or be filled with water, once on the other side the gas can may be filled with fuel but must meet the same requirements coming back across on the ferry vessel.

County: Galveston

Control:

Highway: SH 87

Any mulch, fertilizer and humates used must be delivered to site by means other than the ferry vessel. Product must be delivered from Beaumont area or be driven around Galveston Bay for the Port Bolivar Ferry Landing.

Do not mix or store materials, or store or repair equipment, on top of concrete pavement or bridge decks unless authorized by the Engineer. Permission may be granted to store materials on surfaces if no damage or discoloration will result.

Assume ownership of debris and dispose of at an approved location. Do not dispose of debris on private property unless approved in writing by the District Engineer.

Leaf raking is not required.

Shrub, plant and tree planting is not required.

Irrigation system maintenance technicians must possess a license issued by the Texas Commission on Environment Quality. Provide documentation of such certification and obtain approval before contract commences.

Item 7: Legal Relations and Responsibilities

This project does not require a U.S. Army Corps of Engineers (USACE) Section 404 Permit before letting, but if a permit is needed during construction, assume responsibility for preparing the permit application. Submit the permit application to the Department's District Environmental Section for approval. Once the permit application is approved, the Department will submit it to the USACE. Assume responsibility for the requested revisions, in coordination with the Department's District Environmental Section.

Conduct any tree removal outside of the migratory bird nesting season. If this is not possible due to scheduling, then exercise caution to remove only those trees with no active nests. The nesting/breeding season for migratory birds is February 15 through September 30. Do not destroy nests on structures or in trees within the project limits during the nesting / breeding season.

No significant traffic generator events identified.

Item 8: Prosecution and Progress

Working days will be charged Sunday through Saturday, including all holidays, regardless of weather conditions, material availability, or other conditions not under control of the Contractor in accordance with Section 8.3.1.5.

Item 500: Mobilization

County: Galveston

Control:

Highway: SH 87

Move personnel, equipment, and supplies to and from the project or the vicinity of the project site to begin work or complete work on Contract Items. Bonds and insurance are required for performing mobilization. This item will be measured by each.

Item 1000: Landscape Maintenance

Ground cover should have a tapered edge not squared off. Do not expose soil when tapering.

A minimum of 1-week confirmation is required for pruning in order to coordinate personnel and proper disposal container.

Annually all palm trees, trees, bushes and shrubs are to be included in the Pruning and Trimming of Trees and Shrubs. Palm trees, Crape Myrtles and Oleanders selectively pruned in the presence of Vegetation Manager or Landscape Architect.

Pruning of the Palm trees and Crape Myrtles to be performed in February.

Oleanders will be trimmed annually to a height of either 3 feet, or 5 feet hedge as shown on the drawing. Sucker growth will be trimmed monthly as part of maintenance. If Oleanders appear to have died back from a hard freeze, trim back to 1-foot above ground level and allow until June to determine whether each Oleander is still alive and viable. Pruning of the Oleanders to be performed in September.

Removal of dead shrub, plant and tree will be within 14 days as directed. Assume ownership of debris and dispose of at an approved location. Do not dispose of debris on private property unless approved in writing by the District Engineer.

Bushes and shrubs will be included in the monthly Trimming Cycle.

Provide and apply Hard Wood Mulch. This service is to be provided in November

Provide and apply Microlife fertilizers: (6-2-4) (beds and turf) at a rate of 30 lb. per 1,000 square feet. Granulated Humates on beds only at a rate of 20 lb. per 1,000 square feet. This service is to be performed in April and October. SDS sheets to be provided to the Department by Contractor prior to use.

Pesticide, Fungicide, and Herbicide services to be provided in May and November. Requires Commercial Pesticide Applicator License with the Texas Department of Agriculture. Provide documentation of such certification and obtain approval before contract commences.

Project Number: RMC 6427-74-001

Sheet 2B

County: Galveston

Control:

Highway: SH 87

Provide and apply one of the following fungicides: Terraclor 75 WP or Daconile. If other fungicides are to be used, they must be approved by the department prior to use. SDS sheets to be provided to the Department by Contractor.

Provide and apply Pesticide: Over & Out. If other pesticides are to be used, they must be approved by the department prior to use. SDS sheets to be provided to the Department by Contractor.

Provide and apply herbicides: Roundup Pro. If other herbicides are to be used, they must be approved by the department prior to use. SDS sheets to be provided to the Department by Contractor.


ESTIMATE SUMMARY

EST.		FINAL		EST.		FINAL		EST.		FINAL		EST.			FINAL					
												EST.	FINAL	ITEM- CODE		DESCRIPTION	UNIT	TOTAL		
												EST.	FINAL	ITEM NO.	DESC CODE			SP NO.	EST.	FINAL
												24.000		1000	6001		LANDSCAPE MAINTENANCE	MO	24.000	
												48.000		1000	6004		FLOWER BED MAINTENANCE	CYC		48.000
												4.000		1000	6006		PRUNING AND TRIMMING TREES AND SHRUBS	CYC		4.000
												2.000		1000	6007		MULCHING	CYC		2.000
												4.000		1000	6008		FERTILIZATION	CYC		4.000
												4.000		1000	6009		PESTICIDE, FUNGICIDE, AND HERBICIDE	CYC		4.000
												24.000		1000	6010		IRRIGATION SYSTEM MAINTENANCE	CYC		24.000
												62.000		1000	6011		CLEAN AND SWEEP PAVED PARKING AREAS	CYC		62.000
												24.000		500	6033		MOBILIZATION (CALL OUT)	EA		24.000

ESTIMATE & QUANTITY SHEET

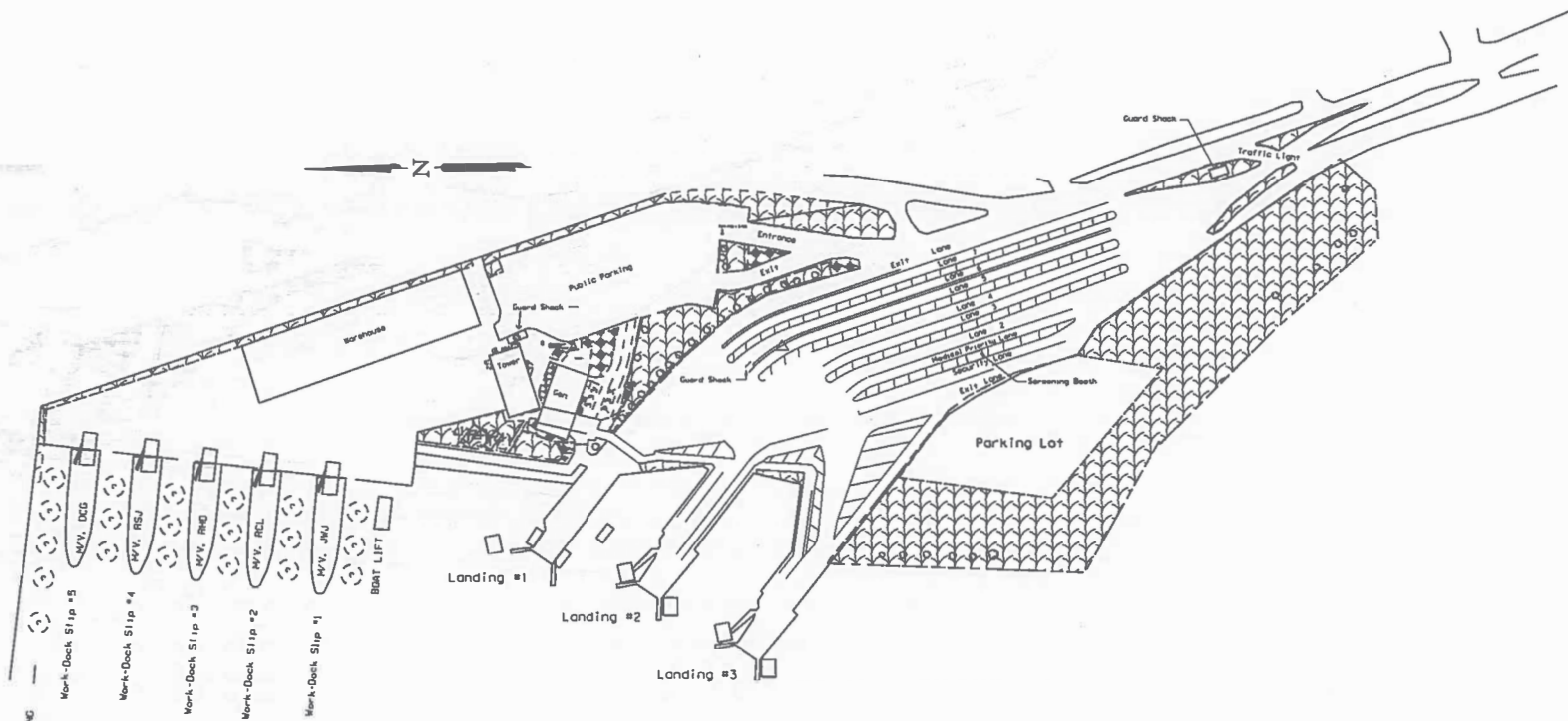
STATE DIST. NO.	COUNTY	PROJECT NO.	SHEET NO.
12	GALVESTON	RMC 6427-74-001	3

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1000 6001	LANDSCAPE MAINTENANCE	MO	24.000
1000 6004	FLOWER BED MAINTENANCE	CYC	48.000
1000 6006	PRUNING AND TRIMMING TREES AND SHRUBS	CYC	4.000
1000 6007	MULCHING	CYC	2.000
1000 6008	FERTILIZATION	CYC	4.000
1000 6009	PESTICIDE, FUNGICIDE, AND HERBICIDE	CYC	4.000
1000 6010	IRRIGATION SYSTEM MAINTENANCE	CYC	24.000
1000 6011	CLEAN AND SWEEP PAVED PARKING AREAS	CYC	62.000
500 6033	MOBILIZATION (CALL OUT)	EA	24.000


 TEXAS DEPARTMENT OF TRANSPORTATION
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SUMMARY OF ESTIMATED QUANTITIES

FED. RD. DIST. NO.	STATE	PROJECT NO.	HIGHWAY		
6	TX	RMC 6427-74-001	SH 87		
DISTRICT	COUNTY	CONTROL	SECT	JOB	SHEET
HOUSTON	GALV	6427	74	001	4



MONOPILES 1' OD @ 8' X 128 FEET LONG

M/V, DDG
M/V, RSJ
M/V, RHD
M/V, REL
M/V, WJU
BOAT LIFT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
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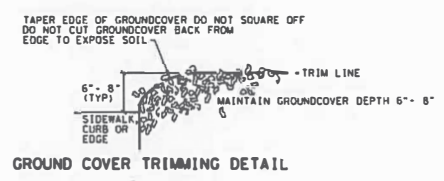
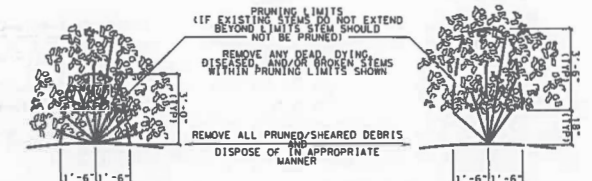
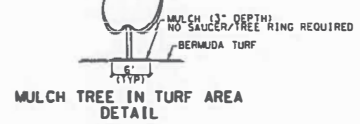
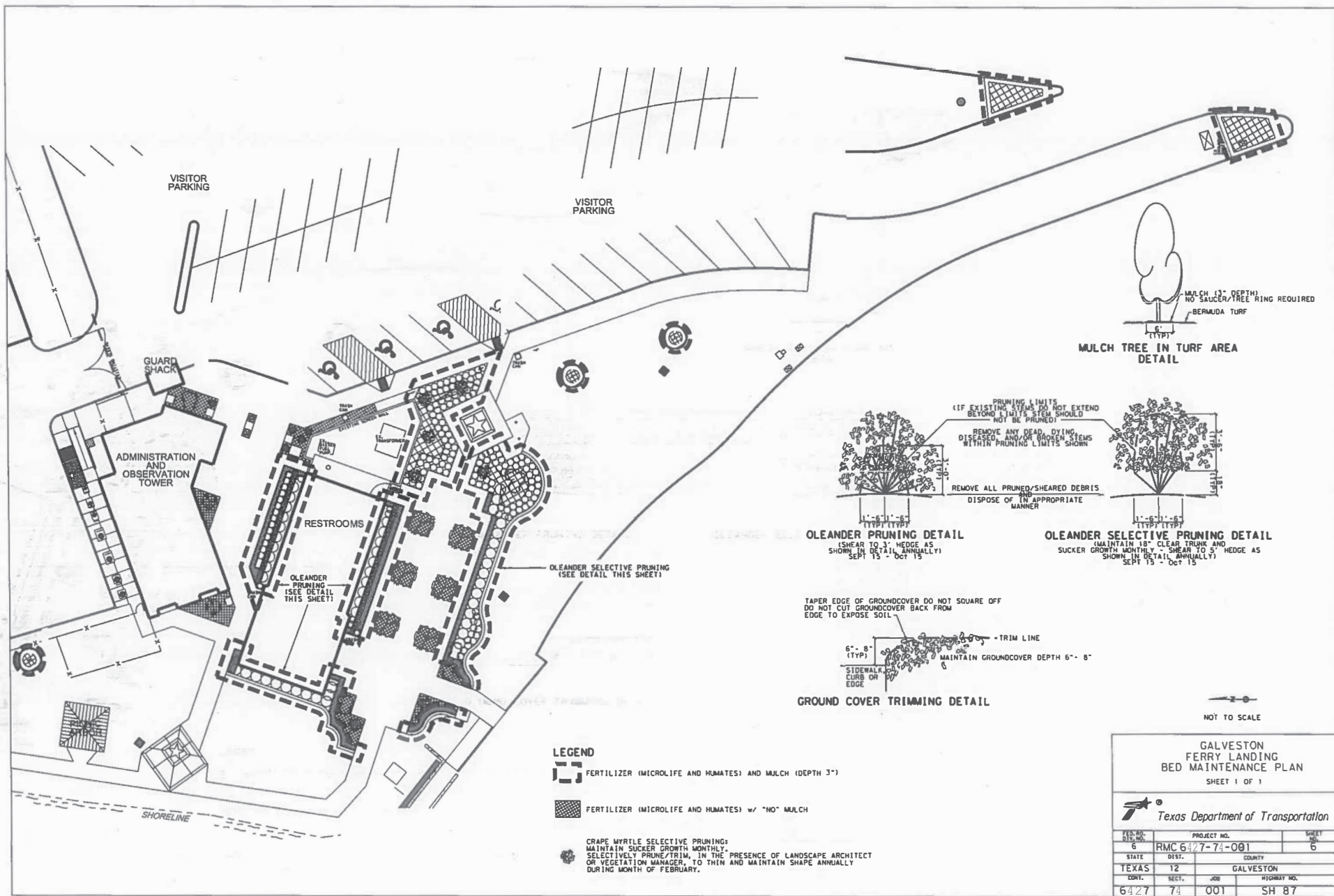
Big tree - (u)
 Flower bed - +
 Palm tree - o

- NOTES:
1. DRAWING NOT TO SCALE.
 2. TOTAL ACRES TO MOW - 2.65 AC
 3. APPROXIMATELY 26 CY OF MULCH
 4. [Hatched Area Symbol] AREA TO MOW

TEXAS DEPARTMENT OF TRANSPORTATION
GALVESTON FERRY
GALVESTON LANDING

SCALE: NTS SHEET 1 OF 1 SHEETS

DESIGN NO.	ORIGINAL DATE OF DESIGN	REV.	DATE	BY	CHKD.
6427-74	74	001			
REVISIONS					
NO.	DATE	BY	CHKD.		
1					
CITY	COUNTY	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
HOU	GALVESTON	6427-74	001	5	



LEGEND

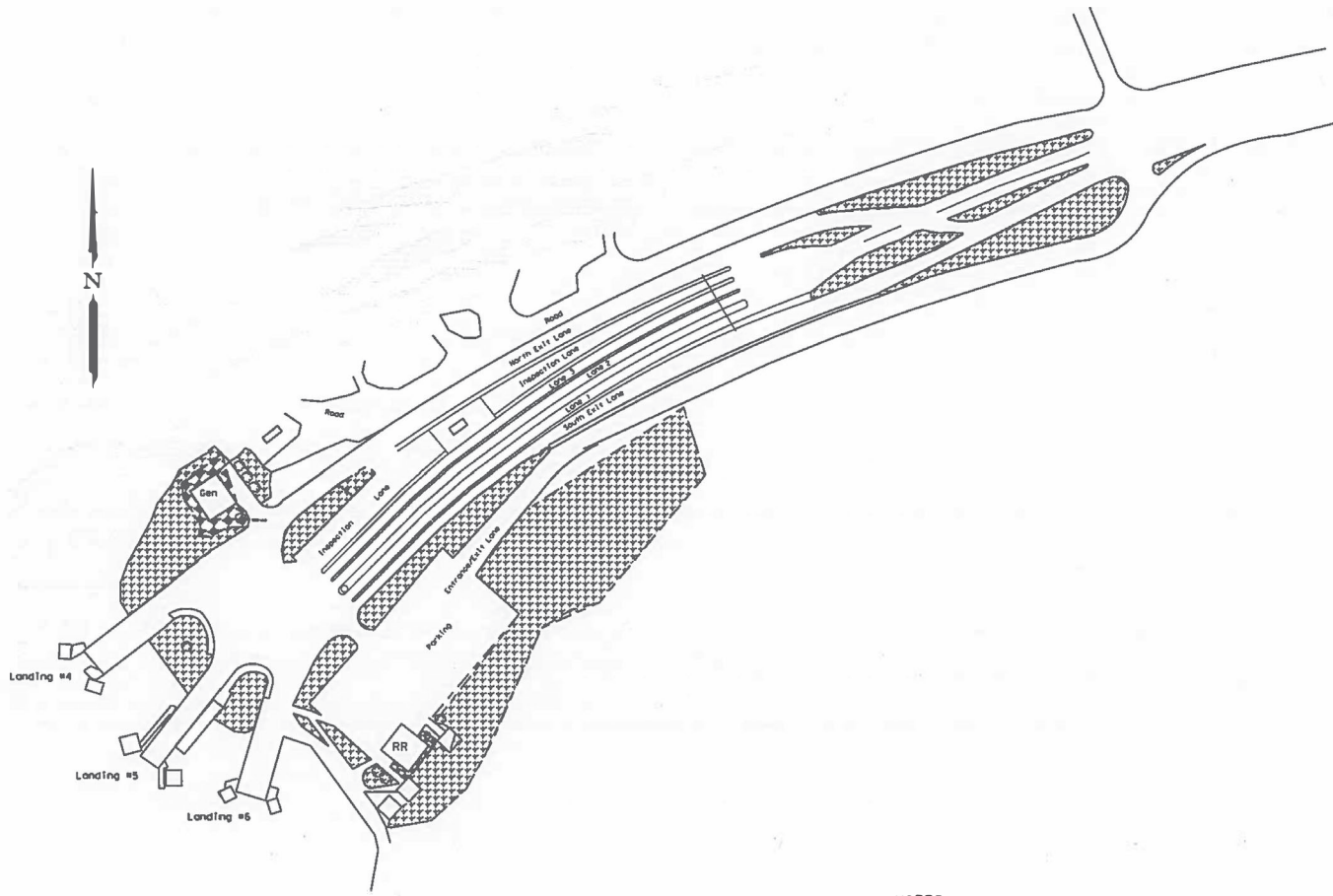
- FERTILIZER (MICROLIFE AND HUMATES) AND MULCH (DEPTH 3")
- FERTILIZER (MICROLIFE AND HUMATES) w/ "NO" MULCH
- CRAPE MYRTLE SELECTIVE PRUNING:
MAINTAIN SUCKER GROWTH MONTHLY.
SELECTIVELY PRUNE/TRIM, IN THE PRESENCE OF LANDSCAPE ARCHITECT
OR VEGETATION MANAGER, TO THIN AND MAINTAIN SHAPE ANNUALLY
DURING MONTH OF FEBRUARY.

NOT TO SCALE

**GALVESTON
FERRY LANDING
BED MAINTENANCE PLAN**
SHEET 1 OF 1

Texas Department of Transportation

FILE NO. 6	PROJECT NO. RMC 6427-74-001	SHEET NO. 6
STATE TEXAS	DIST. 12	COUNTY GALVESTON
DEPT. 6427	SECT. 74	JOB 001
		HIGHWAY NO. SH 87



ACC1: C:\SODAS\EEELS\1845
 FILE: 185002.DWG

Flower bed - ◆
 Palm tree - ○

NOTES:

1. DRAWING NOT TO SCALE.
2. TOTAL ACRES TO MOW - 2.00 AC
3. APPROXIMATELY 28 CY OF MULCH
4. AREA TO MOW

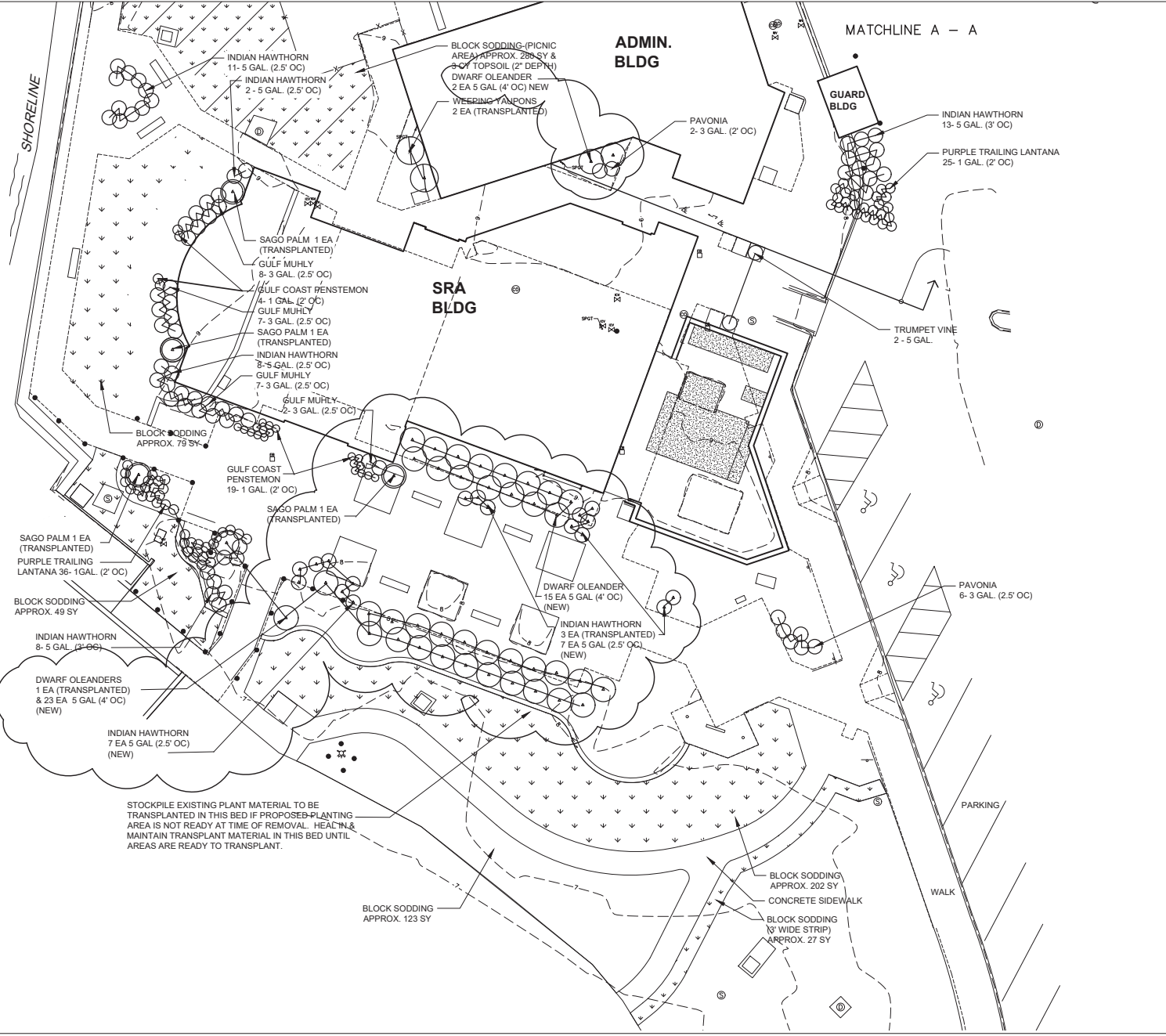
TEXAS DEPARTMENT OF TRANSPORTATION

GALVESTON FERRY












BOLIVAR LANDING

SCALE: NTS SHEET 1 OF 1 SHEETS

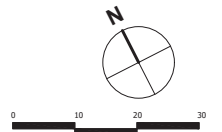
REV	DATE	BY	CHK	SITE	SHEET
0	0	0	0	0	0
ORIGINAL DATE OF QUANTITIES				6	TEXAS
REVISIONS				RMC	6427-74-001
SHEET NO.	COUNT	TOTAL SHEETS	DATE	BY	CHK
1845	74	001	7	0	0
JOB NO.	COUNT	TOTAL SHEETS	DATE	BY	CHK
1845	74	001	7	0	0




LEGEND

-  BENCH
-  BOLLARD
-  EXISTING BOLLARD
-  EXISTING LIGHT
-  EXISTING STREET LIGHT
-  EXISTING TREE
-  EXISTING PALM
-  BOLLARD FENCE
-  RELOCATED TRASH RECEPTACLE
-  BLOCK SOD & 2' TOPSOIL
-  BLOCK SOD ONLY (NO NEW TOPSOIL)

STOCKPILE EXISTING PLANT MATERIAL TO BE TRANSPLANTED IN THIS BED IF PROPOSED-PLANTING AREA IS NOT READY AT TIME OF REMOVAL. HEALIN & MAINTAIN TRANSPLANT MATERIAL IN THIS BED UNTIL AREAS ARE READY TO TRANSPLANT.



GALVESTON FERRY SAFETY REST AREA

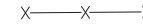


CONT	SECT	JOB	HIGHWAY
6427	74	001	SH 87
DIST	COUNTY	SHEET NO.	
HOU	GALVESTON	8	

LEGEND



EXISTING TREE



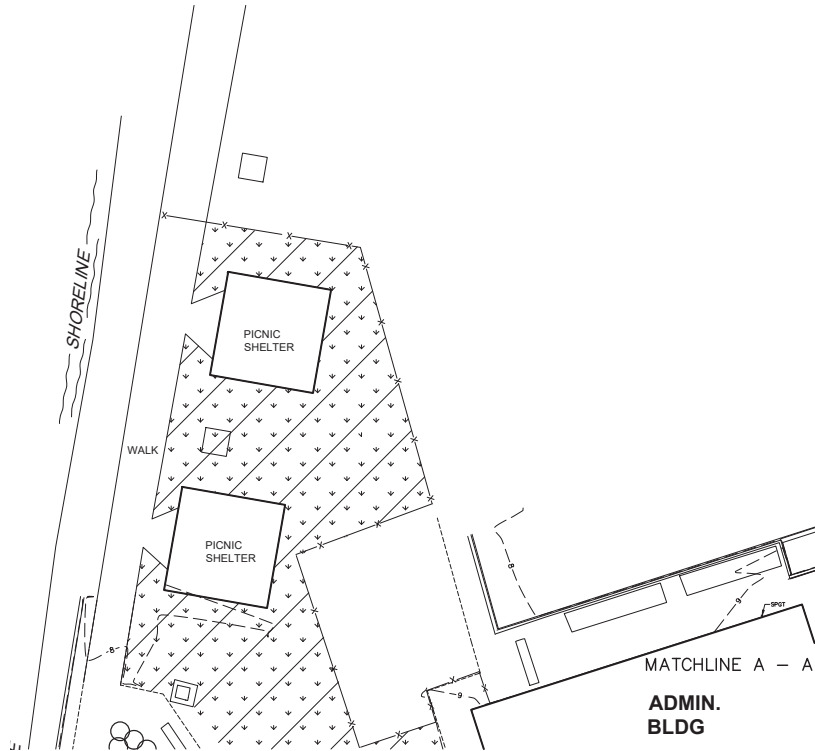
EXISTING FENCE



BLOCK SOD WITH & 2" PROPOSED TOPSOIL



BLOCK SOD ONLY (NO NEW TOPSOIL)



GALVESTON FERRY
SAFETY REST AREA



CONY	SECT	JOB	HIGHWAY
6427	74	001	SH 87
DIST	COUNTY	SHEET NO.	
HOU	GALVESTON	8A	

LANDSCAPE MAINTENANCE SCHEDULE

GALVESTON COUNTY RMC- 6427- 74-001

Month SUP 6427-74-001	Landscape Maintenance	Flower Bed Maintenance	Pruning & Trimming Palm Trees & Crape Myrtle	Pruning & Trimming Oleanders	Mulching	Fertilization	Pesticide, Fungicide & Herbicide	Clean/Sweep Paved Parking Areas	Irrigation System Maintenance
	1000-6001	1000-6004	1000-6006	1000-6006	1000-6007	1000-6008	1000-6009	1000-6011	1000-6010
January	2	4						4	2
February	2	4	2					4	2
March	2	4						4	2
April	2	4				2		6	2
May	2	4					2(P),(F)&(H)	6	2
June	2	4						6	2
July	2	4						6	2
August	2	4						6	2
September	2	4		2*				6	2
October	2	4				2		6	2
November	2	4			2		2(P),(F)&(H)	4	2
December	2	4						4	2
TOTALS	24	48	2	2	2	4	4	62	24

* - Between Sept 15 - Oct 15

Grounds Maintenance Activity Log

Week Of: _____

Time In: _____ **Time Out:** _____

Contractor: _____

Number of Employees: _____

	MON	TUE	WED	THUR	FRI	SAT	SUN	
DATE								ACTIVITY
								Mowing
								Litter Pickup
								Edging
								Pavement Sweeping
								Plant Irrigation
								Irrigation System Maintenance
								Flower Bed Maintenance
								Pruning and Trimming Palm Trees, Trees and Shrubs
								Fertilization
								Herbicide-Spot Treatment
								Pesticide/Fungicide/Herbicide
								Mulching

Materials Used:

Rate of Application:

Comments:

 Contractor Supervisor Signature and Date

Please reference specification for additional instructions.

 TxDOT Inspector Signature and Date