CITY OF ALAMO REQUEST FOR SEALED BIDS (RE-BID) (RFB#2024-12-12)

The City of Alamo is soliciting sealed Bids for the following:

City of Alamo Signage Project at the Intersection of FM 907 and I.H. 2

Sealed bids addressed to <u>Robert L. Salinas, City Manager, at 420 N. Tower Rd., Alamo, Texas 78516</u>. City of Alamo normal business days are Monday through Friday between the hours of 8:00 a.m. to 5:00 p.m. and shall be closed on recognized holidays.

RFB'S will be received until <u>3:00 p.m. Central Time</u>, on <u>Thursday, December 12, 2024</u>, shortly thereafter all submitted RFB'S will be gathered and taken to the City's Conference Room, to be publicly opened and read aloud. Any RFB received after the closing time will not be accepted and will be returned to the submitter unopened. It is the responsibility of the submitter to see that any RFB submitted shall have sufficient time to be received by the City prior to the RFB opening date and time. The receiving time at the City Hall Front Desk will be the governing time for acceptability of the RFB's. RFB's will not be accepted by telephone or facsimile machine. All RFB'S must bear original signatures and figures.

The City of Alamo reserves the right to accept or reject any and all bids and to accept the bid to be the best and most advantageous to the City and to hold bids for a period of forty-five (45) days from the date of the bid opening without taking action for the purpose of reviewing the bids and investigation of bidders' qualifications prior to award. Bids submitted past the aforementioned date and time will not be accepted.

A Pre-Bid Conference will be held at City Hall for the City of Alamo located at 420 N Tower RD, Alamo, TX 78516 at 10:30 am on Thursday, December 5, 2024.

VENDOR'S NOTICE OF INTENT TO SUBMIT A BID

If you intend to submit a bid for the Signage Project with the City of Alamo as outlined in the specifications, please indicate your intention by signing, dating, and returning this form to the fax or email below so that you may receive any addendums to the specifications should the need arise.

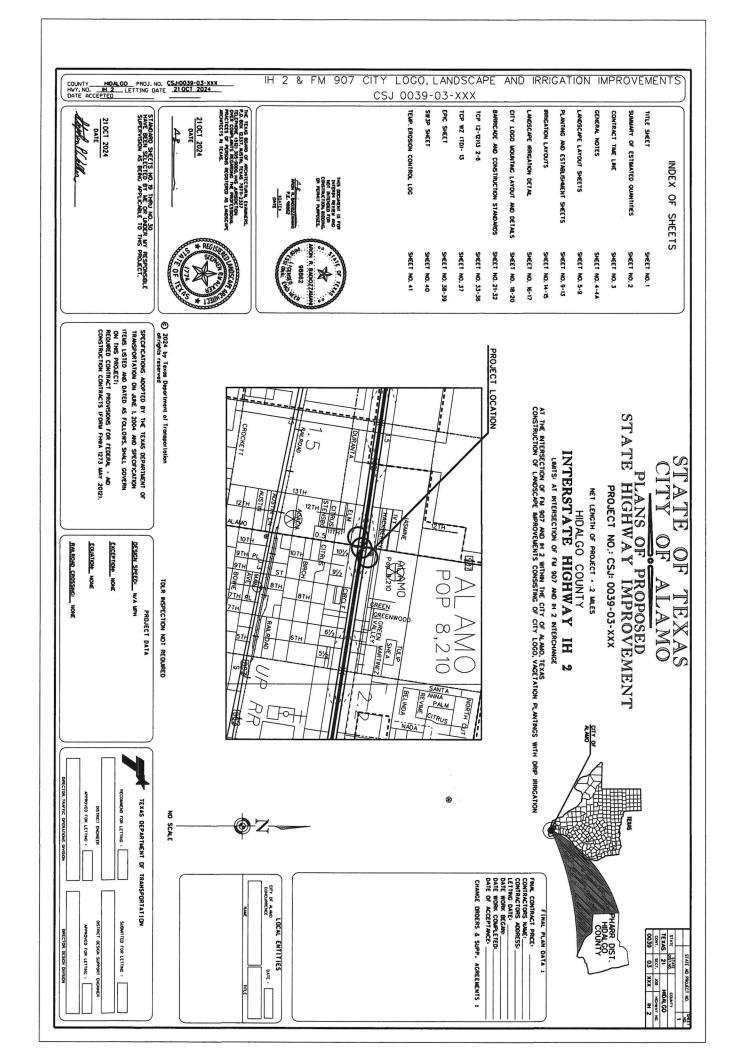
Adela Perez
Purchasing Agent
City of Alamo
Purchasing Department
420 N. Tower Road
Alamo, Texas 78516

Phone:(956) 787-0006, ext. 141

Fax:(956) 283-8855

Email:aperez@alamotexas.org

Name:(print)	Signature:
Title:	Company/Agency:
Mailing	
Address:	City/State/Zip:
Phone:	_Fax:
Email address:	



SUMMARY OF LANDSCAPE ITEMS

TOTAL									100000000000000000000000000000000000000	GENERAL ITEM	18-20	14-17	5-8	SHEET NO.	DESCRIPTIVE CODE	ITEM CODE
224	03000												224	WASH ROCK SQ/YDS		1005
364													364	SEEDING ERO CONT. SQ/YO	6005	164
-												-		IRRIGATION SYSTEM LS	6001	170
34													34	PLANDSCAPE PLANTING 1 GAL EA	6002	192
94													94	LANDSCAPE PLANTING 5 GAL EA	6004	192
12													12	LANDSCAPE PLANTING 10 GAL EA	6005	192
12													12	LANDSCAPE PLANTING 15 GAL EA	6005	192
4													4	PLANDSCAPE PLANTING 30 GAL EA		192
2													2	LANDSCAPE PLANTING 2.5 818 EA	6045	192
۵			0.000										4	PLANTING 4" PALM	6045	192
224													224	PLANT BED PREP. SY	6063	192
-										-				MOBILIZATION LS	6001	500
2										2				TRAFFIC HAND.	6001	502
209													209	STRIP STRIP (SEE DETAIL)	6033	529
2											2			SIGN/LOGO SYSTEM EA	xxxx	xxxx
									2							

SUMMARY OF ENVIRONMENTAL CONTROL ITEMS

TOTAL 1 46	GENERAL TIEM 550	SHEET NO. B" INSTIL	DESCRIPTIVE CODE 6040	11EM CODE 506
46	350	LOG CONT. LOGS	0 6043	506



LANDSCAPE SUMMARY OF ESTIMATED QUANTITIES

SHEET 1 OF 1

STATE DIST. COUNTY CONT. SECT. JOB HIGHWAY
TEXAS PHARR HIDALGO 0039 03 XXX IH 2

STATE PROJECT NO.

CONTRACT TIME ESTIMATE WORKSHEET

Highway: IH 2 / 907 CITY OF ALAMO LANDSCAPE IMPROVEMENT PROJECT

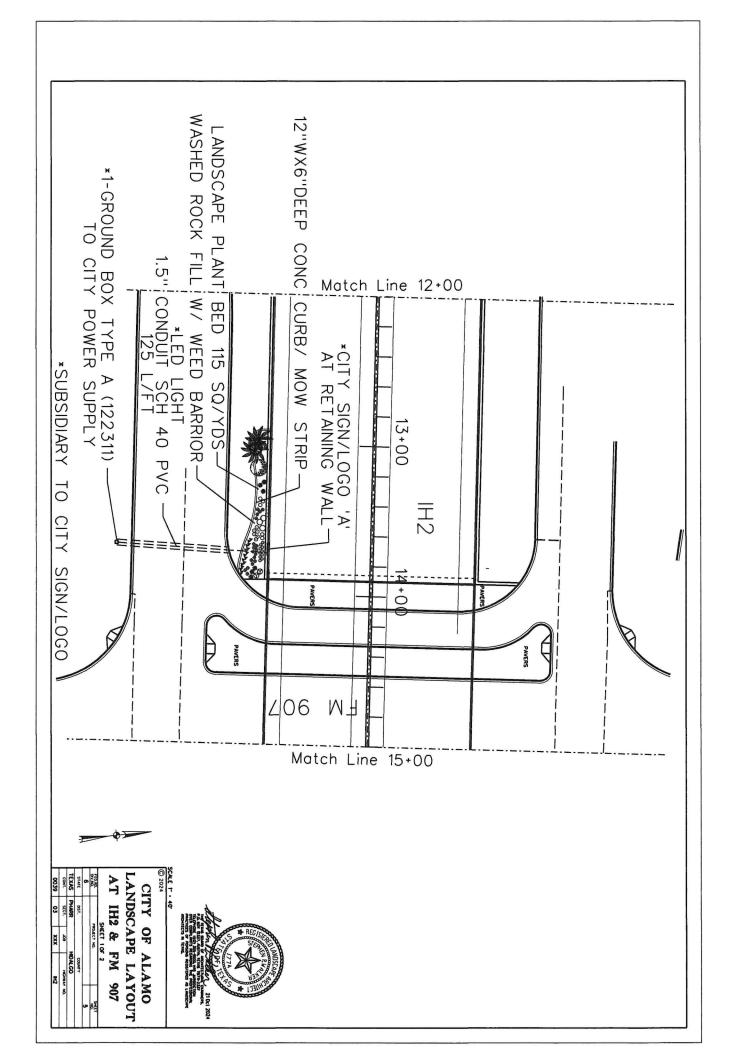
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ITEM 182 LANDSCAPE PLANTING EACH 162 15 5 25	5 ITEM XXXXX SIGNAGE EACH	2	20	30	50					-							
TEM 192 LANDSCAPE PLANTING EACH 162 15 5 25						::	::			::	::	::	::				
90 PLANT MANTENANCE TREATMENT SOLVIOS 224 15 35 50		162	15	5	25		:::	***************************************		::::	::::	::::		::			::
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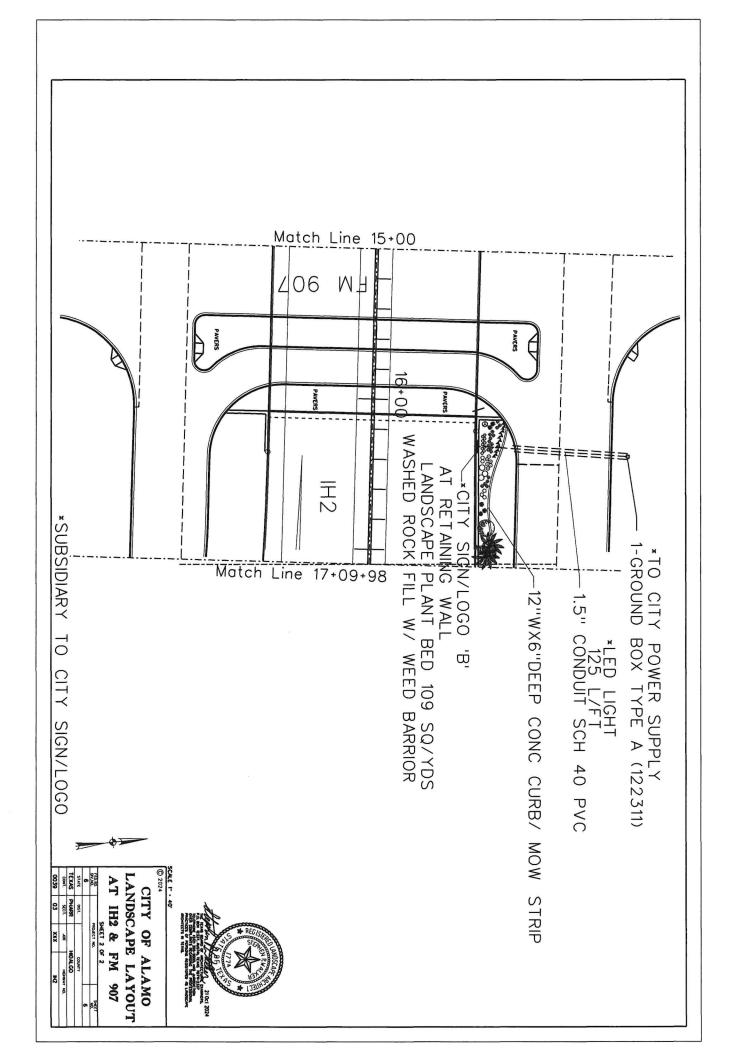


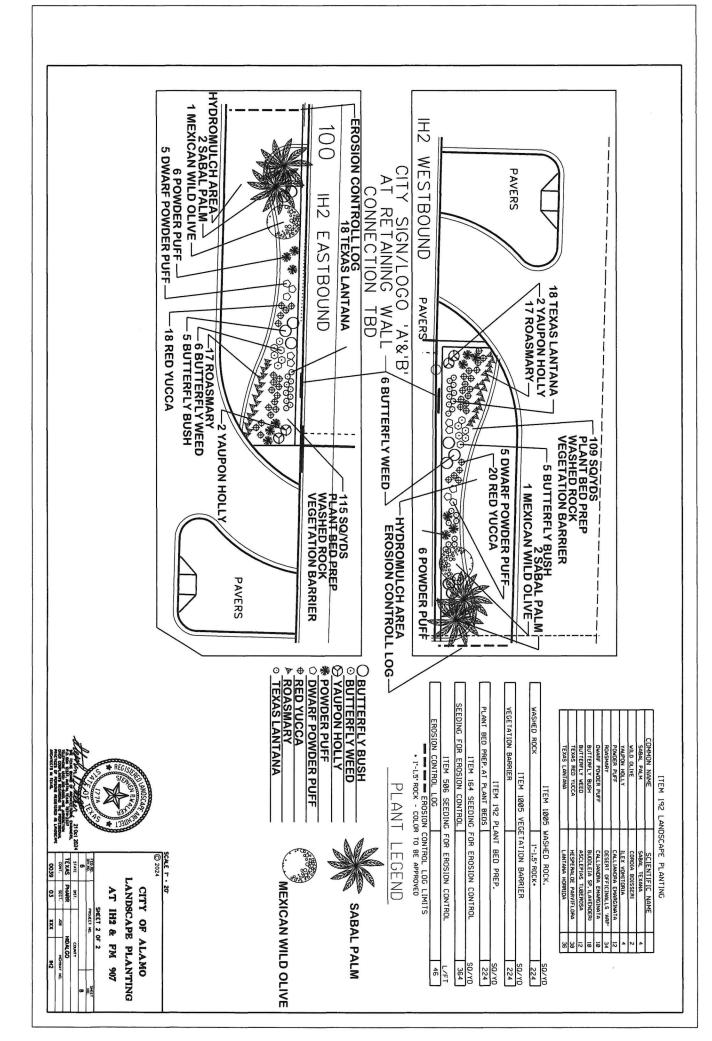
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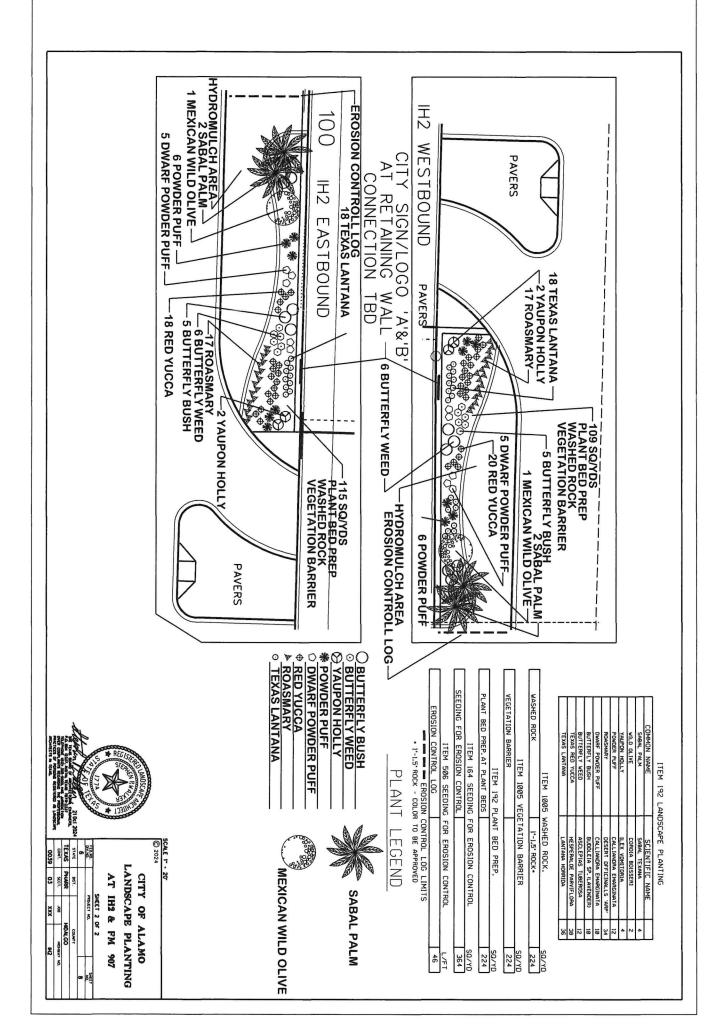
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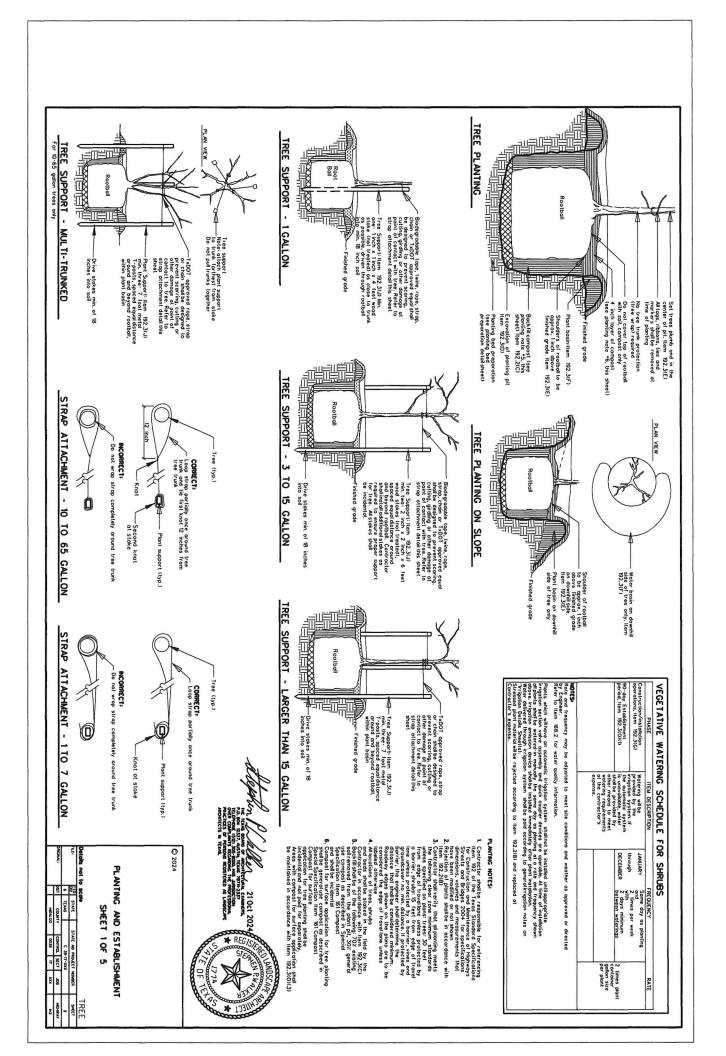
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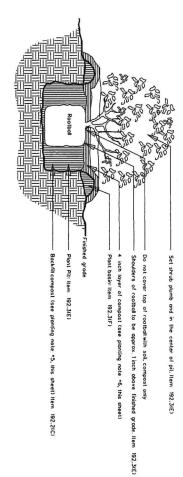












MODIEs .

MODIEs and Irequency may be adjusted to meet site conditions and weather as approved or directed for Chaines.

All the limit 168.2 for water quality information.

90-day Establishment period, Item 192.3(0)(1)

Watering will be provided by the provided by the ridgation system. If the outomatic system is unavailable, water shall be provided by other means to meet watering requirements at the contractor's expense.

through DECEMBER JANUARY

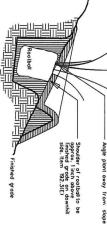
FREQUENCY
Same day as planting
and
2 times per week
with
2 days minimum
between waterings

2 times plant container gallon size per plant

struction/installation rations. Item 192.3(G) PHASE VEGETATIVE WATERING SCHEDULE FOR TREES

plants which without an automotic irrigation system shallnot be included unlit appropriate irrigation section under externity and quick coulder divinces are approble. At line of insulation alignants shall be supered in manually the same day as joining at a rate and frequency shown above. Trapollot emission device shall be included immediately after pool includions on the property of the "Irrigation Deliads Shrough irrigation system shall be paid according to them 192.2(8) and replaced at Contractor's expanse."

SHRUB AND VINE PLANTING





SHRUB AND VINE PLANTING ON SLOPES



TRIANGULAR SPACING



Less than specified spacing is allowed to infill odd spaces in bed Plant edge of bed with one continuous row of shrubs

SHRUB AND VINE SPACING IN MASS PLANTING BEDS

PLANTING NOTES:

- I contractor shalbs responsible for retrencing term 182 of the Trans Standard Specifications for Construction and Maintenance of Highways Streets and Bridges 2000 for specifications dimensions volumes and measurements that have been modified or not shown.

 They been modified or not shown that the contract of the shown of the shows of the shows of the shows of the shows on the should of the shows of the should be shown on the plans are to be should only the shows of the should be should only shows the shows on the plans are to be should only the shows of the should only should be shown on the plans are to be should only the shows of the should be shown on the plans are to be should only the shows of the should be shown on the plans are to be should only the shows of the should be shown on the plans are to be should only the shows of the should be shown on the plans are to be should only the shown of the should be shown on the plans are to be should only the shown of the should be shown on the shown of the should be shown on the plans are to be should only the shown of the should be shown on the plans are the should be shown on the plans are the shown of the
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- plication for strub planting shallbe dental and not paid for separately. so with compost for surface application shall maintained in accordance with Item 192.3(0)(3)

21 Oct 2024

O 2024

PLANTING AND ESTABLISHMENT

SHEET 2 OF 5

			VINE/GROUND COVER														- 1	SHRUBS										LACE S	Bolonical Name
			D COVER								TEXAS LANTANA	ROASMARY	TEXAS RED YUCCA	BUTTERFLY BUSH	DWARF POWDER PUFF	BUTTERFLY WEED	POWDER PUFF								YAUPON HOLLY	WILD OLIVE	SABAL PALM		me
											LANTANA HORRIDA	DESERT OFFICINALLS 'ARP'	HESPERALOE PARVIFLORA	BUDDLEIA SP. (LAVENDER)	CALLIANDRA EMARGINATA	BUDDLEIA SP. (LAVENDER)	CALLIANDRA EMARGINATA								ILEX VOMITORIA	CORDIA BOISSERI	SABAL TEXANA		Common Name
																													Color
											36	34	38	10	6	12	13									2	4		Quantity
											5 GAL.	1 GAL.	5 GAL.	5 GAL.	5 GAL	15 GAL.	10 GAI								30 GALLON CONT.	848	848		Root Condition
																										2 1/2	4 TRUNK FOOT		Calper
											MIN. 2'	MIN. 12"	MN. 2'	MIN. 2'	MIN. 12"	MIN. 3	MN. 3'								6' - 8 ·	6' - 8 -	4' MIN.		Height
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											NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN								NURSERY-GROWN	NURSERY-GROWN	NURSERY-GROWN		Hemorks

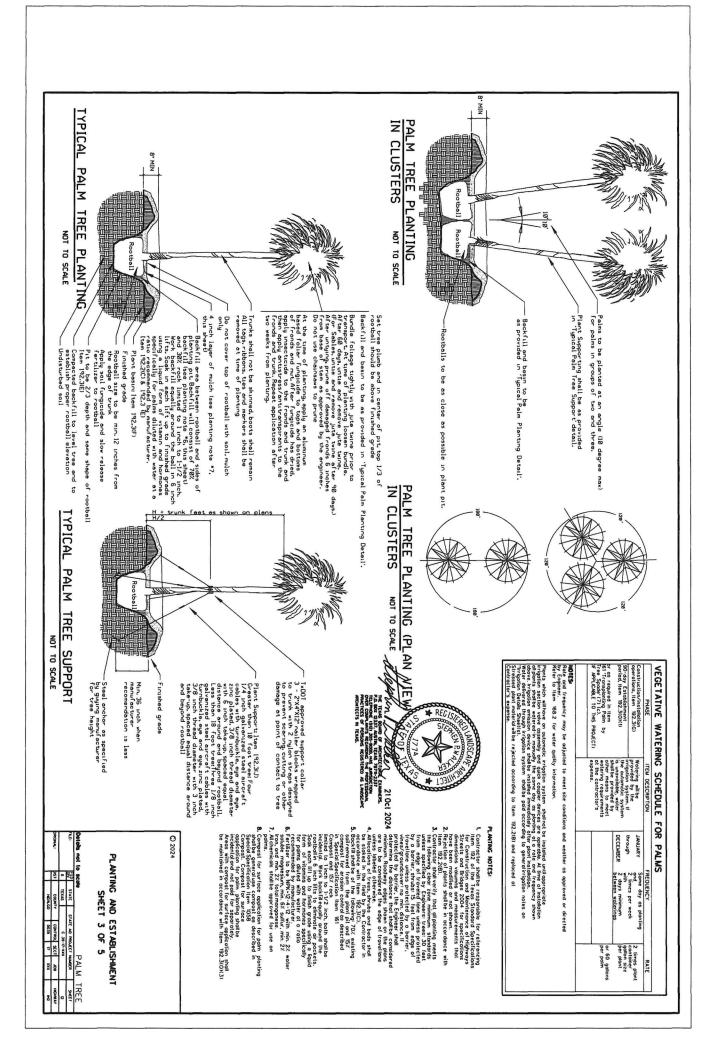
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PLANTING AND ESTABLISHMENT PLANT SPECIFICATIONS

| Sect 5 of 5 | Sect 6 of 5 |



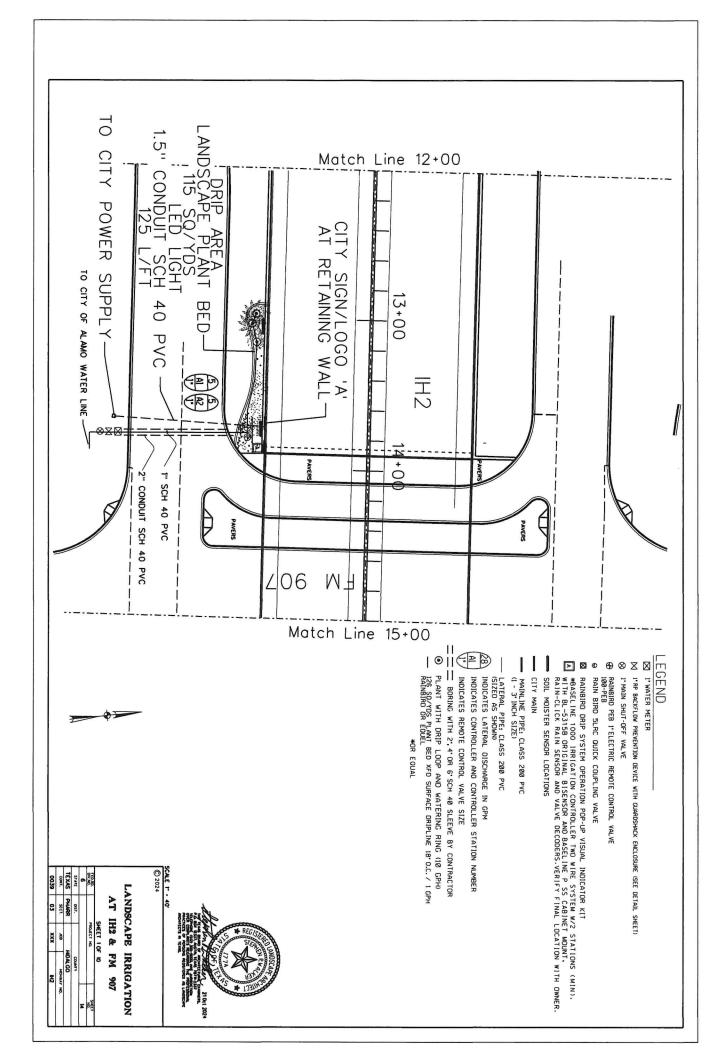
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DESCRIPTION LIMITS	15	REQUIREMENTS	FREQUENCY
	THE PLANS.	CONTRACTOR SHALL COMPLETE INSTALLATION AS SHOWN IN THE PLANS AND PERFORM THE 90 CALENDAR ESTABLISHMENT PERIOD AS DESCRIBED IN 192,3(O) WITH THE FOLLOWING EXCEPTIONS:	PLANTING AND ESTABLISHMENT ACTIVITIES SHALL OCCUR AT LEAST ONCE PER MONTH MINIMUM, VEGETATIVE
INSTALLATION, AS SHOWN ON THE PLANS AND AS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PERFORM MAINTENANCE AND REPLACEMENT ACTIVITIES FOR A PERIOD		METHODS FOR MAINTAINING PLANTING AREAS WEED FREE SHALL BE AS DESCRIBED ON THIS SHEET UNDER ITEM 193 PLANT MAINTENANCE REQUIREMENTS	WAIEKING SHALL OCCUR AS SHOWN ON "TREE OR SHRUB PLANTING" SHEETS. ADDITIONAL MAINTENANCE AND EST ABLISHMENT MAY BE REQUIRED TO MEET REQUIREMENTS
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LL BEGIN ONLY WHEN APPROVED BY THE		METHODS FOR MAINTAINING THE IRRIGATION SYSTEM SHALL BE AS DESCRIBED ON THIS SHEET UNDER HEM 193 IRRIGATION SYSTEM OPERATION AND MAINENANCE REQUIREMENTS	יטת טבי איאו ברי.
CUNEER AND END ACCORDING TO THEM 2.5. PAYMENT SHALL BE AS DESCRIBED IN 3. 192.7.		STRESSED DAMACED, OR DEAD PLANTS RESULTING FROM CONTRACTOR'S ACTIONS OR INADEQUATE MANTENIANCE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.	
	LMITS OF PLANTING ARE AS SHOWN ON THE PLANS.	CONTRACTOR SHALL MARIEM ALL PARTIES ASSESS STREET, AND CRASS STREE	PLANT MANTENANCE ACTIVITIES SHALL OCCUR AT LEAST ONCE PER MONTH MINNUM. VEGETATIVE WATERING SHALL OCCUR AS
ITEM 192.3(0) MANTENANCE REQUIREMENTS SHAUL BE LIMITED TO THOSE ACTIVITIES SHOWN OR REFERENCED			ADDITIONAL MAINTENANCE AND ESTABLISHMENT MAY BE REQUIRED TO MEET REQUIREMENTS DURING NORMAL GROWING PERIODS.
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		CONTRACTOR SHALL COLLECT AND DISPOSE OF ALL LITTER WITHIN ALL PLANTING AREAS.	
		STRESSED, DAMAGED, OR DEAD PLANTS RESULTING FROM CONTRACTOR'S ACTIONS OR NADEQUALE MAINTENANCE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.	
83-2005 VEGETATIVE WATERING (ALC)		VEGETATIVE WATERING SHALL OCCUR AS SHOWN ON "TREE PLANTING DETALS, WATERING SCHEDULE, NOTES AND SPECIFICATIONS" SHEETS.	VEGETATIVE WATERING SHALL OCCUR AS SHOWN ON "TREE PLANTING DETAILS, WATERING OCCUPANTION OF SECULO TO THE SHOWN
(F APPLICABLE TO THIS PROJECT)			SCHEDULE, NOTES AND SPECIFICATIONS" SHEETS.
193-2007 SENGAT SYS OPER AND MART (MO) (IF APPLICABLE TO THIS PROJECT) SYS	LIMITS OF IRRIGATION SYSTEM MANTENANCE WILL BE THE ENTRE SYSTEMIS) FROM THE WATER METERIS)	CONTRACTOR SHALL WANTAW ALL PRIGATION SYSTEMS ACCORDING TO ITEM 183.7 AND THE RECOMERURATIS DESCRIBED ON THE "REGILATION DETMASS SHEETIN." TO THE PROPERTY OF THE PROPERTY O	CONTRACTOR SHALL INSPECT IRRIGATION SYSTEM AT LEAST ONCE FER MANNE HAS MADE TO PROJECT LOCATIONS. MAJUSTIKHTS MADE TO IRRIGATION THERES SHALL BE MADE BY THE CONTRACTOR AS DRECTED BY THE ENGREEN ADJUSTIKHTS MADE TO THE ENGREEN ADJUSTICATION OF THE ENG
			OTHER TIMES AS DIRECTED BY THE ENGINEER. ADJUSTMENTS SHALL BE INCIDENTAL.

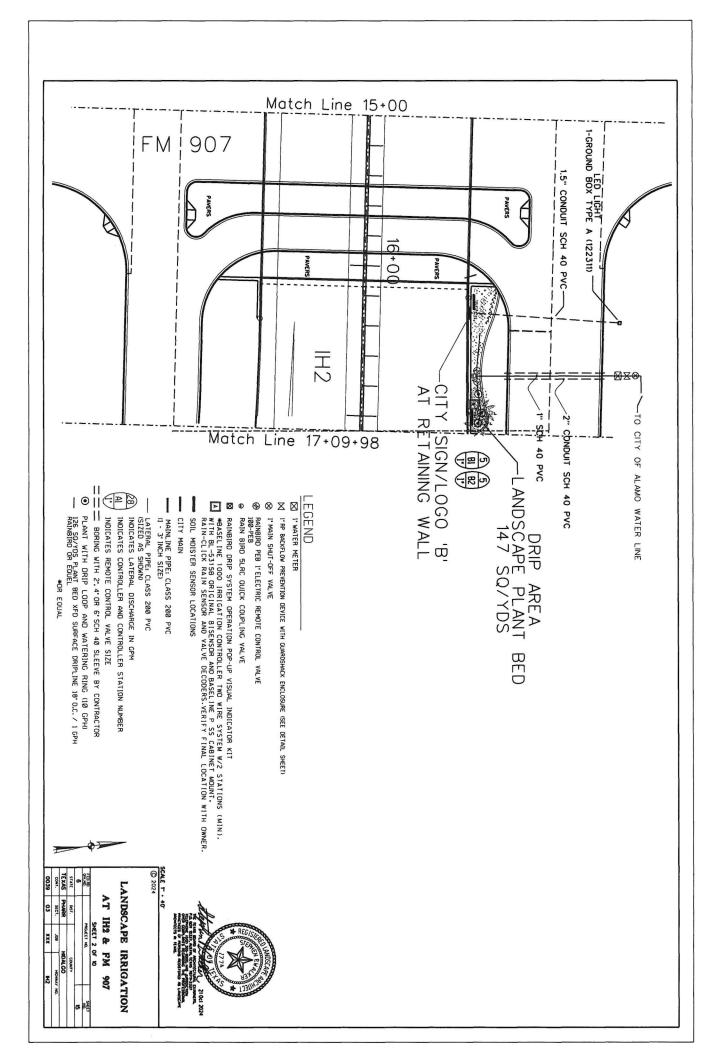


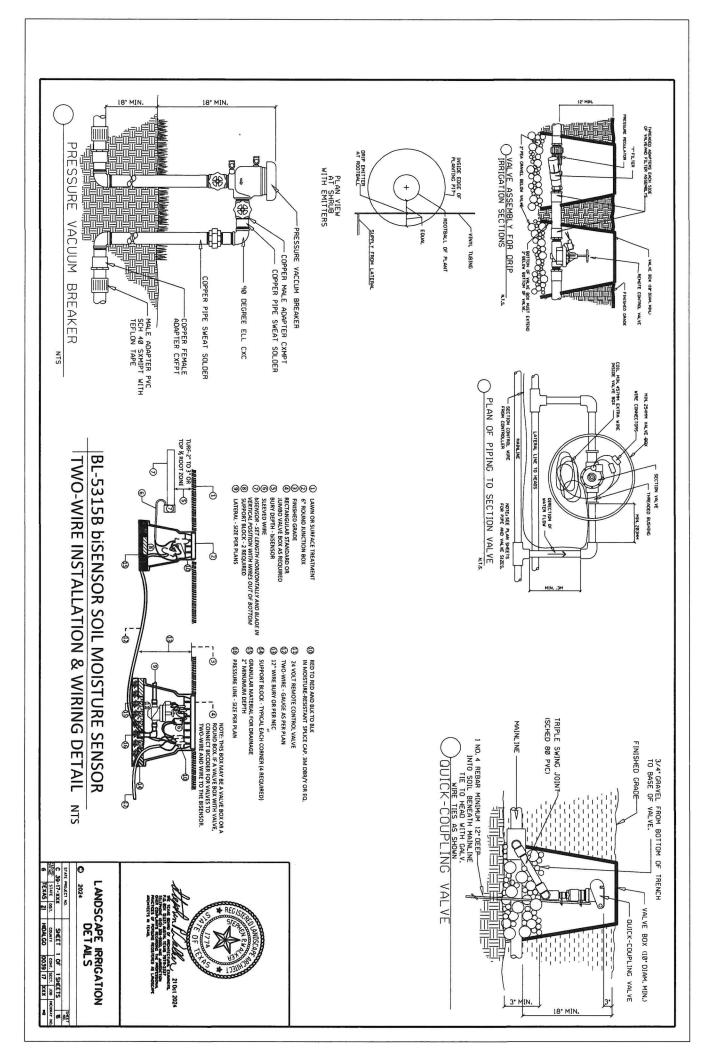
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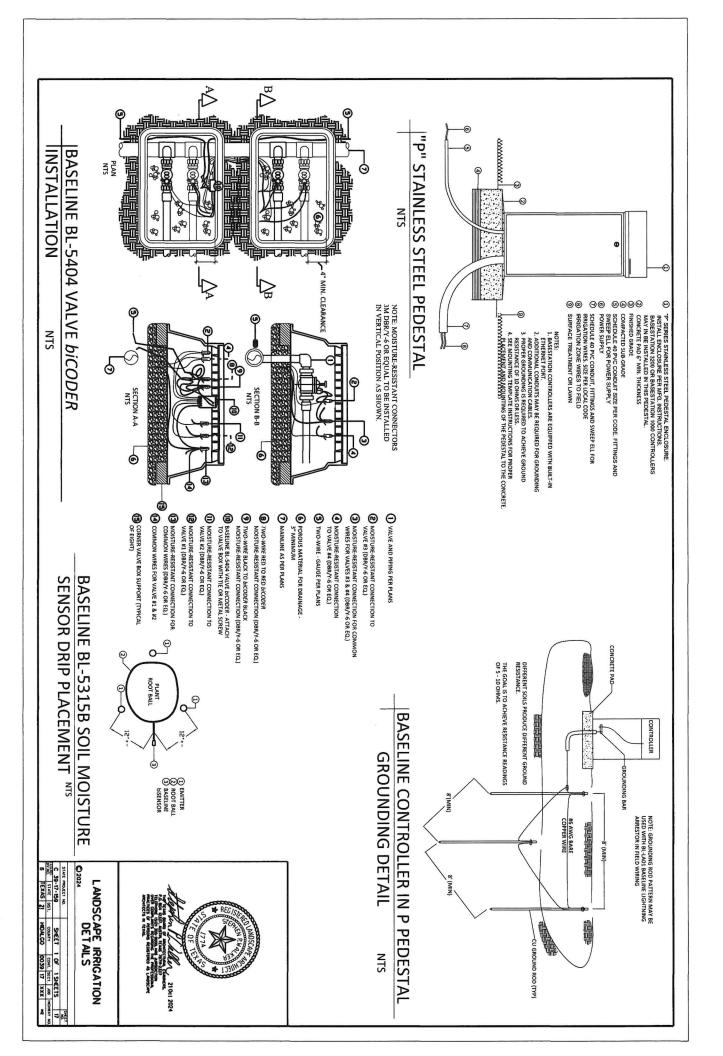
DESIGN DIVISION

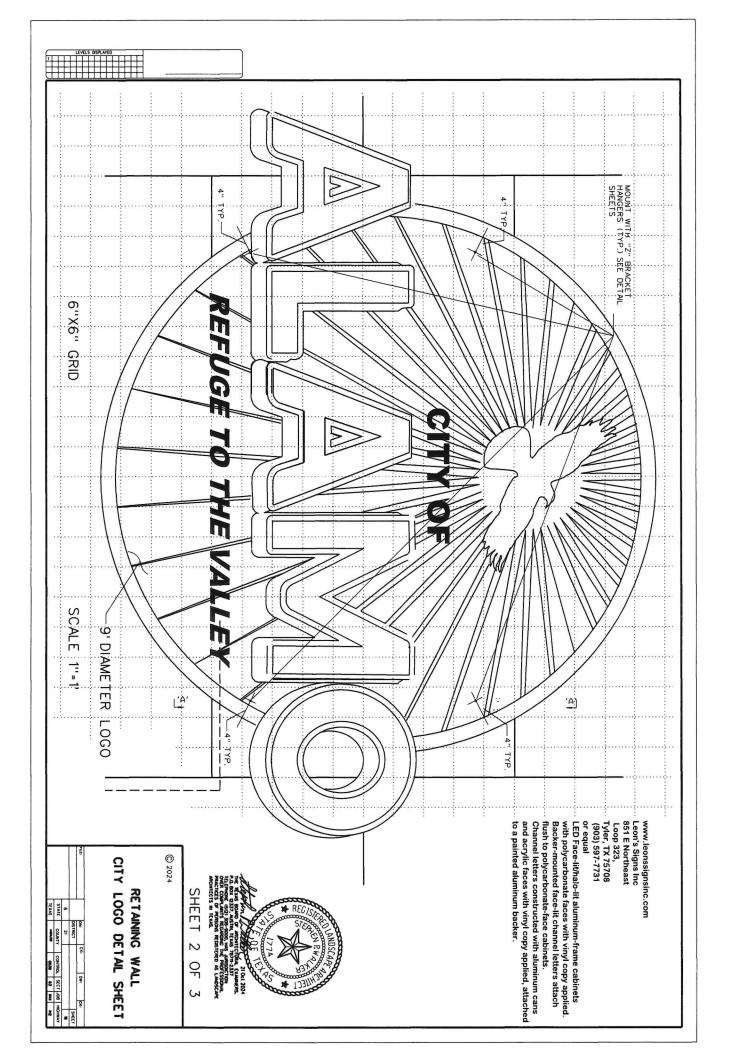
PLANTING AND ESTABLISHMENT SHEET 5 OF 5

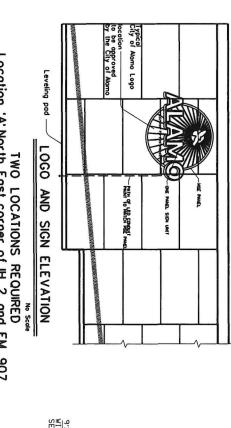




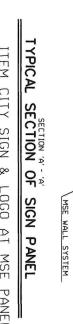


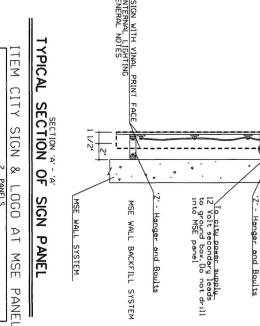






TWO LOCATIONS REQUIRED Location 'A' North East corner of IH 2 and FM 907 Location 'B' South West corner of IH 2 and FM 907





NO SCALE

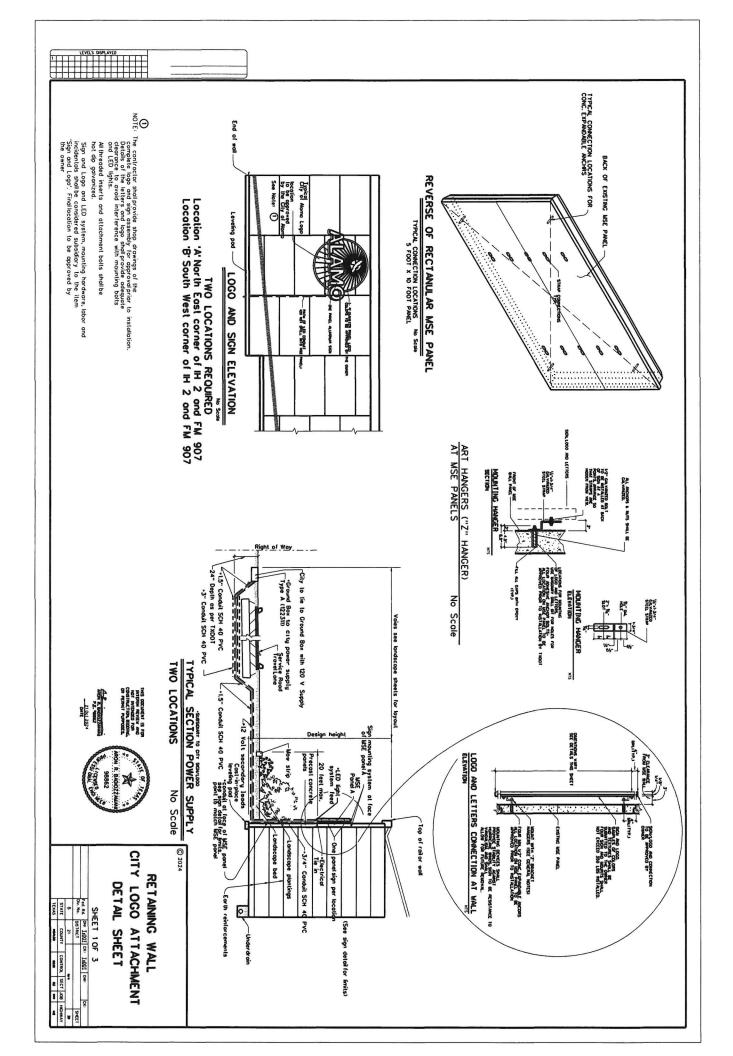
LEVELS DISPLAYED



CITY LOGO AND LETTERS RETAINING WALL DETAIL SHEET

© 2024

SHEET 3 OF 3



Barricade and Construction (BC) Standard Sheets General Notes:

The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD). The development and design of the Traffic Control Plan (TCP) is the responsibility of

3 The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

Ģ 4 The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets", the TxDOT "Roadway Design Manual" or engineering judgment.

When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE,

6

and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

œ The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9 The temporary traffic controldevices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control

ō devices to be used.

As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.

11. Except for devices required by Note 10, traffic control devices should be in place only

37. while work is actually in progress or a definite need exists.

The Engineer has the final decision on the location of all traffic control devices.

Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travellanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

Worker Safety Apparel Notes:

Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel" labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered

or high traffic volume work areas or night time work.

Only pre-qualified products shallbe used. The "Complent Work Zone Irolit, Controllbeviets Left (CRITCO) bestude prequalified products and line's sources and may be found on-fine at the web address given better or by contacting:

Texas Department of Transportation Traffic Operations Division • TE Phone (5/2) 415-3134

ALB YOOKERSEE LOU VELEVENCED DOCTMENLE

Complete Work Zone Trollic Control Devices List (CNZTCD) http://eee.tadot.gov/publications/trollic.htm

Slandard Higheoy Sign Designs for Texas (SHSD) Milp://ene.ladol.gov/publicolions/troffic.him lesos Monadon Uniform. Trollic Control Devices (TMJTCD) http://eee.ledol.gov/pubicotions/trollic.htm

lblerialfroducer Lisl Nilp://aaa.ladol.gov/business/producer-fal.him

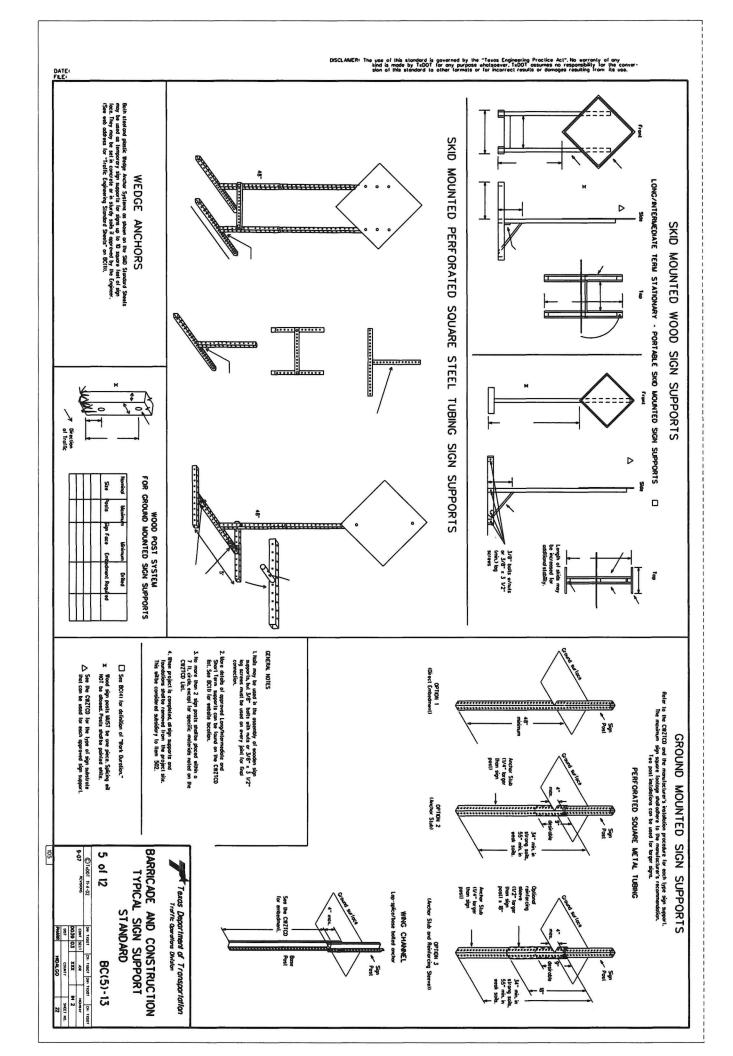
Departmentatilaterial Specifications (DMS) http://ene.lzdol.gov/services/constructio

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BARRICADE AND CONSTRUCTION AND REQUIREMENTS GENERAL NOTES

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HORWAY			8	SECT	COMT	PE VSIONS
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PORTABLE CHANGEABLE MESSAGE SIGHS

- I the Engineer/Impactor shall approve all messages used on portable characters are seen EOLSS.

 Lessages on POLS should contain no more than 0 words (about four to eight characters per everl), not excluding simple words such as "TO," "AL", "BL".

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- ges should consist of a single phase, or two phases that nate, three-phase messages are not allowed. Each phase of the page should convey a single thought, and must be understood by

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COLUMN TOWN				THE PERSON NAMED IN COLUMN	

10 10 10 10 10 10 10 10			r Level LOWR LIVI Westb	CSD	F11 F11	11111	L'I Wed	Junction JC	PA CII	The same of the sa	olion NFO	Hours HR	Higheoy High	Vehicle	cupancy	TAMEN INTERNAL	US Driving HAZ DRIVING	I hursday	A RIDGERGO S MAI OF	Procestly PROFILE	HOC /	A XXXX	MADE	S SWI dt 3	SO SWITTER	TO CHER VEH	(MER	bound (foule) E Se	No Solut	DOM1 Rig	our Route Of TOUR RTE	CONST MEAD	CHIE	2	and BIVD	wie BEST RTE	W	All	AR OLTY	Access Road ACCS RD	Moto or
90,000,000,000,000,000,000,000,000,000,	ION EA	di Povemeni	ž	See S	hard Transfel		Acops	printe	1		ğ	ing Mayles	Tuesday	S.Jesano,		N.	Doenloen	ē	empor or y	emprone	Mondoy	Te.	Speed	pulhbound	2	Sigger y	Shoulder	vice Road	4	Lone	8	florking Lot	200	bound		dinday	JOH	12	0	llojor	1000
	THOM	75		*	W. Cales		038	WARN				_	ı	1991		IRA	ō			l	N.	Γ	1	froute	5	a's	SHLOR	SERV RE	SAT	17	8	PRX LC	PICAG	(route) I	Γ	MOM	MAR.	Hell	5	W.	À

Roddory
designation - Hrumber, US-number, SH-number, Fil-number
which half in U.S., Relative The Polls Frou The Realf-of-Ray OR PLACE THE POLIS
REHAD BARRER OR GUARDOM, WITH SIGN PAREL TURNED PARALLEL TO TRAFFIC

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES (The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

FREEWAY CLOSED	od/Lane/Ramp
FRONT AGE ROAD	Closure List
ROADWORK XXX FT	Other Condi
ROAD	Condition List

Action to Take/Effect on Travel

Phase 2: Possible Component Lists

List

FORM X LINES RIGHT

AT FM XXXX

SPEED LIMIT XX MPH

Fis.

Warning List

-- Advance Notice List

SS

BEFORE RAILROAD CROSSING

MAXIMUM SPEED XX MPH SPEED XX MPH

X PM-X AM

BEGINS MONDAY

APR XX-TUE-FRI XX AM-X PM

XXXXXXX	MALL DRIVEWAY CLOSED	CLOSED	VARIOUS LANES CLOSED	NIGHT LANE CLOSURES	CENTER LANE CLOSED	RIGHT X LANES CLOSED	ROAD CLSD AT FM XXXX	ROAD CLOSED AT SH XXX	FREEWAY CLOSED X MILE	Roddy Lane Visit Closure List
	× LANES CLOSED TUE - FRI	RIGHT LN TO BE CLOSED	EXIT XXX CLOSED X NILE	I-XX SOUTH EXIT CLOSED	DAYTIME LANE CLOSURES	RIGHT X LANES OPEN	RIGHT LN CLOSED XXX FT	SHOULDER CLOSED XXX FT	FRONTAGE ROAD CLOSED	Closura Fist
	TRAFFIC SIGNAL XXXX FT	BUMP XXXX FT	ROADWORK PAST SH XXXX	DETOUR × MILE	LOOSE GRAVEL XXXX FT	MERGING TRAFFIC XXXX FT	RIGHT LN NARROWS XXXX FT	FLAGGER XXXX FT	ROADWORK XXX FT	Other Condition List
	LANES SHIFT	US XXX	ROADWORK NEXT FRI-SUN	ROUGH ROAD XXXX FT	UNEVEN LANES XXXX FT	CONST TRAFFIC XXX FT	TWO-WAY TRAFFIC XX MILE	LANE NARROWS XXXX FT	ROAD REPAIRS XXXX FT	(ION LIST

TRUCKS USE US XXX N

WATCH TRUCKS

> DELAYS TRUCKS WATCH

US XXX TO FM XXXX XXXXXX OL PAST US XXX EXIT

CAUTION

NEXT FRI-SUN

RIGHT LANE EXIT

MAY X-X XX PM -XX AM

DRIVE

XX AM
TO
XX PM
NEXT
TUE

DELAYS

PREPARE TO STOP

EXIT XXX

USE EXIT RD EXIT

MILES × DETOUR NEXT X EXITS

STAY ON STAY ON STAY

USE 1-XX N

ADVISORY SPEED XX MPH

BEGINS MAY XX

CLOSED BLVD CLOSED

- 1. Only 10°2 phoses are to be used on a POES.
 2. The bit phose for both should be selected from the firm of the phose for both should be selected from the Condition List.
 3. And phose can be selected from the "Action to Talest-Filled.
 3. And phose can be selected from the "Action to Talest-Filled phose selected from the "Action to Talest-Filled phose selected from the "Action Phose is the first phose selected from the separated by and the separated by a first phose selected from the POES or send of a separated by many the separated by the POES or send of the Separate that phose selected from the POES or send of the Separate that phose selected from the Separate Separate

* LAKES SHE'T in Phose I must be used with STAY IN LAKE in Phose 2.

Wording Alternolives

x x See Application Guidelines Note 6.

TONIGHT

OTHER ROUTES

REDUCE SPEED XXX FT

END SHOULDER USE

- It he weeth BCRIT (LETT and ALL can be interchanged an appropriate, 2. Gentlery designations ALLS. St. FM and LP can be interchanged an appropriate, 2. LEST, MCS. I ARCHIT and SCRITH in out debt revisions C. M. N and St can be interchanged an appropriate.

 4. Leginary morate and of markets respected an appropriate.

 4. MCRIT ARCHIT and MCRITHY can be interchanged as needed.

 6. MCRID, MCRITHY and MCRITHY can be interchanged as needed.

 6. MCRID and be used instead of allocates if necessory.

 9. FT and ML MCRIT and MCRITHY can be interchanged an appropriate.

 8. ML BCTURE and MCRIT interchanged an needed.

 9. Schaness or MCRID can be definated from the message if a bedieficent and a used.

FULL MATRIX PCMS SIGNS

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE

UPSTREAM SIDE OF THE PCMS.

- I, then full latin PDUS signs are used, the character height and heightly/riebitly requirements shalter mointained as fated in Itale 15 under "PORT-IBBE COUNCELEE, IESSACS SOCK" above.

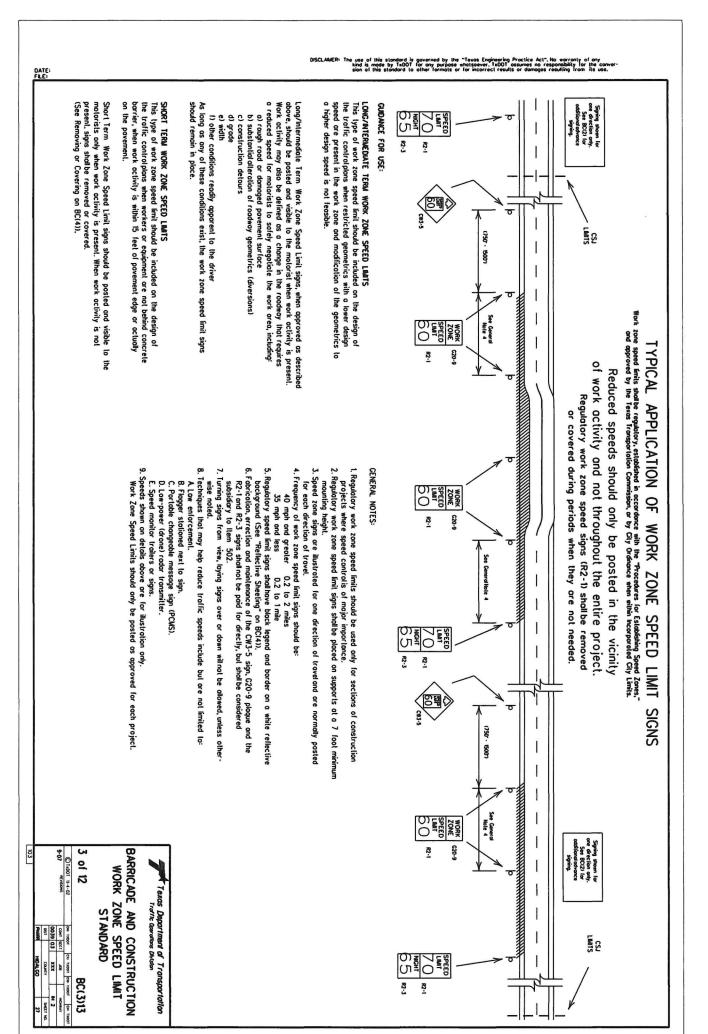
 2. When primodelings used as the COTA's Fapper Symbol, are represented graphically on the full latins's PCUS sign and, with the approved to the Engineer, it authorisation the tegistally-riebitly requirement field above.

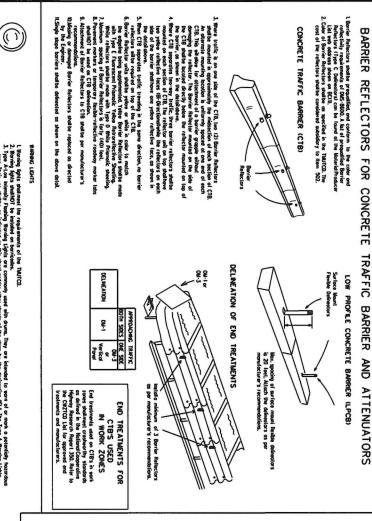
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Texas Department of Transportation Traffic Operators Division

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE

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25	SHET NO.	2	AYBOM	DC: 13001	13			







Type C Warning Light or approved substitute mounted adjacent to the travel say.



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bushing RICHT (LEFT) ARROW

Touring DOUGLE MARON

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ATTENTION: Floshing Arrow Ponets

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OF PAVEL LAUPS REQUIREMENTS

WANTE AND DELIVED ī

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automotic dimming devices. shall be equipped with

Floating CAUTION

libidhy ories and equilatereds of 25 percent or trans-sepandiathese in the floring observer.

Siths sepandiatrons edulys is NOT ALORD.

On the lasting ores edulys is the 1001 standard breaver, the sepandiathornon edulys in the 1001 standard breaver, the sepandiathornon edulys may be used during daylight operations

In "CLUTOR" digity consists of low corner brees litating simultoneouth.
 In a stroight les coulon digity is NOT ALLORED.
 In the friending Acros Found shall be copaded of minimum 50 per cent démining from rotted lamp velloge. The litating rotte of the temps of the latting them 25 arc marks them 40 floating or minimum.
 Liefarum temp "on lime" available approximately 50 percent for the literating critery and requestiments of 125 percent for a section.

°°°°

THEN NOT IN USE, REMOVE THE ARROW PAREL FROM THE RICHT-OF-WAY OR PLACE THE ARROW PAREL BEHND CONCRETE TRAFFIC BARBER OR CHARGE

It The Floriding Arros Powel shallbe mounted on a relock, Indie or other salidist support.

C. A Floriding Arros Powel SAUL, 100 EE 1020 to believely self trulic.

I. A Idemoir's PUSS may be used to simulate o Floriding Arros Powel provided it nests the shall be the same size arros, in this sheet for the same size arros, in this sheet for the same size arros, in this sheet for the same size arros, in the sheet for the same size arros, in the sheet sheet of the same size arros, in the sheet sheet of the same size arros, in the sheet sheet of the same size arros, in the sheet sheet of the same size arros, in the sheet of the same size arros, in the sheet of the same size arros and sheet of the same size are sheet of the same size arrows and sheet of the same size arrows.

RUCK-MOUNTED ATTENUATORS

I fruct-mounted alternators (TMA) used on 1600°T loadities must meet the requirements culleded in the Noticod Cooperation régimp Research Report No. 1500 (1609° 1500).

Cooperation régimp Research Report No. 1500 (1609° 1500).

Aller to the CRITCO for the requirements of Level 2 or Level 3 NMa.

Aller to the dates shown in the CRITCO to receive that the 1614 neets the opp requirements and the crashood thinks.

Aller the RESTCO for a fill of departed NMa.

Aller are required on treening waters altered as noted in the plane.

A NMA should be used organise that it can be participated by the total control of the area of the crashood of the crashood of the crashood of the cooperation of the crashood control control of the crashood control control of the reputed is when a sent area is spread down the rooteny and the work cree is an established control of the required is when a sent area is spread down the rooteny and the work cree is an established control of the required is when a sent area is spread down the rooteny and the work cree is an established document from the TMA.



Texas Department of Transportation
Traffic Operations Division

WARNING LIGHTS & ATTENUATOR BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS,

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_	•			9	œ
L		7	¥	TADOL	BC(7)
20	SHEET NO.	2	HOWAT	ő	713
	10.			DOX1 1XD	

9-07 STANDARD

Viorning reliector may be round or square.Must have a reliective surface area of at least 30 square inches

LA serving relactor or approved adestitute may be mounted on a placific drum as a adestitute for a Type C, aleady burn serving digit of the Coalection set has Coalection and the Coalection set and other places of the sold of the place.

The serving reflection stateler yellow is cold and adebted mounted red using a sign adestitute approved for use with placific drums failed.

The land of reflection between a minimum relater flatches are locar-black of 30 appare inches.

A Road reflection between their characteristic set are locar-black of 30 appare inches.

A Road reflection is adebt for principlant, beauting law one phenolectioned to the down.

Space adestitutes must have a minimum of 30 appare inches of reflectioned to the down only have to be reflectorized where it is also as a second or place of the coale of the coale and the second or place of the coale and the coale and the second or reflection and the second or place of the coale and the coale and the coale and the second or place of the coale and the coale and the second or place of the coale and the coale and the second or place of the coale and the coale and the second or place of the coale and the coale and the second or place of the coale and the coale and the second or place of the coale and the coal

MARIANG REFLECTORS MOUNTED ON PLASTIC DRIMS AS A SUBSTITUTE FOR TYPE C ISTEADY BURN WARING LIGHTS

WORK ZONE PAVENENT MARKINGS

CHONAL OF PAYOUENT HARROWS

:======== MEN ADI

FRONT VEW

Temporary Flexible-Reflective Roadway Marker Tabs

Height of steeling is usually more than 174" and less than 1".

STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVENENT SURFACE

L'impair y labbi-rellectine roodery marke lobs used as gidemarks sodiment libe requirements of IDS-5242.2.

2. Lobs selabel on the steet are to be impacted and accepted by the Cripiere or designated representation. Sompling and testing is not normally regulant hereaver at the option of the Cripiere; after "A" or "O' before may be imposed to assure quality before piccement on the rooders.

reodery.

A Setect fee (5) or more tobs at random from each bit or shipment and submit in the Construction finition, laterate and
Personal Section to attending specification complexes.

B. Setect fee (5) lobs and perform the (dassing lest). Aftir in a
(5) lobs of 24 meth interval or on caspablic powered in a
(5) lobs of 24 meth interval or on caspablic powered in a
(5) lob of meth per hour, four (4) there is each direction, to
prevent an area to mention with the train of one or literal of a lobe fee.

Set (5) lob of meth per hour, four (4) there is each direction to
the lob box and 10 and 10 his fee; (5) methics services and
is considered to the fee. (5) methics services and
is considered to the construction on the personnels. Set
Standard Setect (10/17-1) for lob pleasment on set open ments. Set
Standard Setect (10/17-1) for lob pleasment on set open ments.

Roised Povement Markers used as Guidemarks

Libbed promet markes used as gidenosts draits in the approved product fit, and meet the requirements of DES-2000.

All temporary construction raised premoul markets provided on a project shall be of the same manufacture.

Libberies for pictomosts shallbe billiminious malerational applied or burlyfrubber pod for at surfaces, or thermophatic for according

femorts shalbe designated as:
YELLOW - tien amber reflective surfaces with yellow body).
WHITE - tone silver reflective surface with while body).

MRA 305

DEPARTMENTAL MATERIAL SPECIFICATIONS

Adhesive pod

PARKENT MERCES RETLECTORZED)

TRAFTE BUTTOS

TRAFTE

A fal of prequalitied reflective robed povement markers, non-reflective traffic bettoms, roadway marker tabs and other povement markings can be found at the MaterialProducer List exh address shown on BCID.

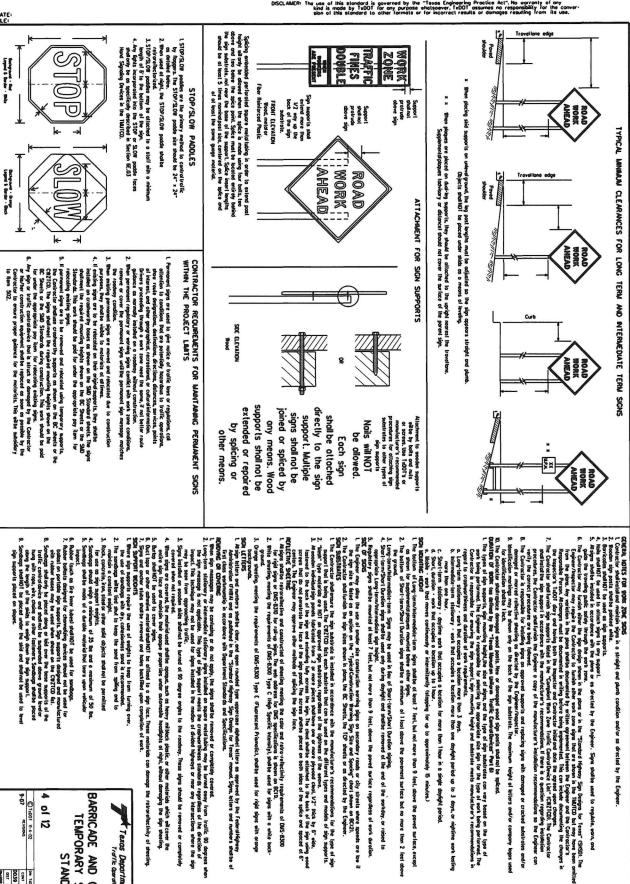
Texas Department of Transportation Traffic Operations Division

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

STANDARD

11 of 12 BC(11)-13

© TxDOT February 1998
2-38 **EVISORS
11-02
11-02
9-07 | Ten | 1001 | To | 1301 | To



igns in a straight and plumb condition and/or as directed by the Enginee

L'he Contractor shellemare he sign authiriet el instelled in occordance with the mounterfair's recommendation for the type of sign support l'hoil is being used. The CRIZCO sits occh authiries finds on the used on the different types and models of sign supports.

2. There is presented and the complete of the displacement of the significant of the signifi

plans or as directed by the Engineer. Signs shallbe used to regulate, worn, and

injery between in the places or in the "Sportford Rejetion" Sp. Disciple for Tental" (SSSI)). The lot of burner's between the case signal belief as shown in the 1MITOD but may have been controlled to writing optenment between the Cupieses and the Controlled's stated advantated by writing optenmented. This can exclude discouranting the changes in the tenth of the controlled and the controlle

more than one hour.

The literal solitonery - daytime each that occupies a occupie more than one daying period up to 3 days, or in the literal solitonery - daytime each that occupies a location for more than thour in a single daying the local hour days of the days of the day of the day

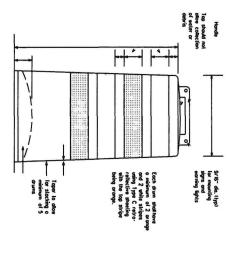
I the Explorer may done the use of smaller bits construction serving signs on secondary roots or city interests where speech are to it is found to on opins on the "typical Construction Turning Syn Sta and Speciary chart shown an BCZA.

2. The Construction Section of the Syn states shown in plans, the SC Section, The States of the States of Section of

BARRICADE AND CONSTRUCTION Texas Department of Transportation
Traffic Operations Division TEMPORARY SIGN NOTES

4 of 12 STANDARD | Conf | Co | Tabot | One | Tabot | Conf | Sect | Ass BC(4)-13





CENERAL HOTES

ENERAL DESIGN REQUIREMENTS

requalified plastic drums shall meet the following requirements:

Libratic durins shallbe o lear-jeiter design; the "body" of the durin shall be the lot of the "bod" stable the bollow.

In the body and bear shallbed legislation is such a narrow that the body as persons from the body shallbed legislation in a common that the body and bear shallbed legislation is on an entered to control the shallbed legislation in a residual to common design problem from the body shall be possible of services or and of the body and bear constructed or official problem shall be shall b

E. The stateful of the dram body shathers a minimum of four distanting or ongs and shift retreatherine documinated stripes and less than 4 incites any special trade. If a consideration of an anniversal colorised space between any ten disposed stripes shadned exceed 2 states in self. It.

1. Classes shathers a maximum selfit of 15 incites, a maximum height of 4 incites, and a minimum selfit of 15 incites, a maximum height of 6 incites, and a minimum of 10 included at statisficient size to done base to the ladd dram which separating the dram body from the base. Shealic drams shather constituted of after what statisfied, congs., high-density popularity and office or other exposured matterial.

Oran body statistics a cristicum unotastel edigli of 7.7 stc. cod scrima produstile seleja of 11 stc. ftc. seleja il norm body stati to minimum of 0.007 sch is linkturess. Rejuly of any dem supplied abrieva very more base 0.3. St. from ball of the prequidited sample. Othern and boss shall be marked eith moralisticker's name and medicionable Othern and boss shall be marked eith moralisticker's name and medicionable Othern.

MINDELFECIME SALING

The siripes used on drams shallon contincted of sheeling maying the specific plans along a larger function of the specific plans along a larger function of the specific plans along a larger function along the specific plans along a larger function along the specific plans a specified in the plans.

The sheeling pastes sublead to use on not standards to the dram success show that upon review interest in plans and easily to demonstrate greating past make a plans to demonstrate processing past make a retrorate plans and easily to demonstrate or test of retrorate injuger and easily to be demonstrate or casion, or test of retrorate injuger, and easily to be demonstrated on the sheeting partners.

L'Unbodissied bases shelbs large enough le hold up le 50 bs. of soul.

This boss, ehm filled with the bottes majoriet, should eigh betreen
35 bs. (reviewant) and 50 bs. (maximum). The bottes may be soud in one
15 bs. (reviewant) and 50 bs. (maximum). The bottes may be soud in one
16 little sandbags separate from the botte, sould in a soul-filled glosic
bots, or other bottering derives an approved by the Engines Stocking
of sondbags with bottes, between highl of sondbags done powement
surface may not exceed \$2 inches.

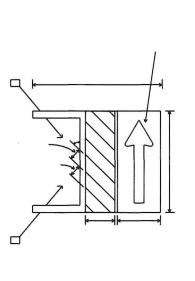
2 leases with boal-in bottest shad weigh between 40 bs. and 50 bs.
Bail-in bottest can be constructed of an integrat numb subser bose or
a pold nubber bose.

3. The bottest standard be theory objects, setter, or ony material best
would become heard-doub in majorists, peteririzan, or earlies when the
drum is struct by a orbicit.

4. When used in regions succeptible to freezing druns shotheres drivings
bottes in the bottems to hold worther winds condended to freeze becoming
a heard when struct by a webich.

5. Bellent shad the placed on hold of drums.

6. Adhesives may be used to secure bose of drums to powement.



RECTION BOCKION BRANCHOE

I the Direction indicator Buricade may be used in logars, transitions, and other erest effects specific directions/pioners to driver it investably.

If week, the Deviction indicator participate insulate an exercise in decet.

The Direction section the promision and into the historial investment of exect.

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(Maximum Sign Dimension)
Chevron (IVII-18, Opposing Trollic Lane
Divider, Drivetory sign 070a, Keep Right
R4 series or other signs on approved
by Engineer

mount with diagonals stoping down lowards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

L'Signe used on plastic drume shallbe manufactured using substitutes faited on the CRIZICO.

C. Cherence and other work trans drages with an orderige background shallbe manufactured with Type E. (Thou excent Primarica) shallbe manufactured with Type E. (Thou excent Primarica) shallbe manufactured with Type E. (Thou excent Primarica) shallbe manufactured with orderige and with the plans.

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I vertical Premis shallbe manufactured with orderige and with the plans.

I vertical Premis shallbe manufactured with ordering and the shall shall be promised.

I white State of the Crizica is a production and the shall control of the Crizica is shall be controlled to the shall.

Signe shall be stateded using out 2 that bold teaminated or and rul, lee earlivers, and one backing earther for each connection.

connection.

Counting belts and note shall be listy engaged and obtaining belts and note shall are leated more from 1/2 and begreated files should not extend more bon 1/2.

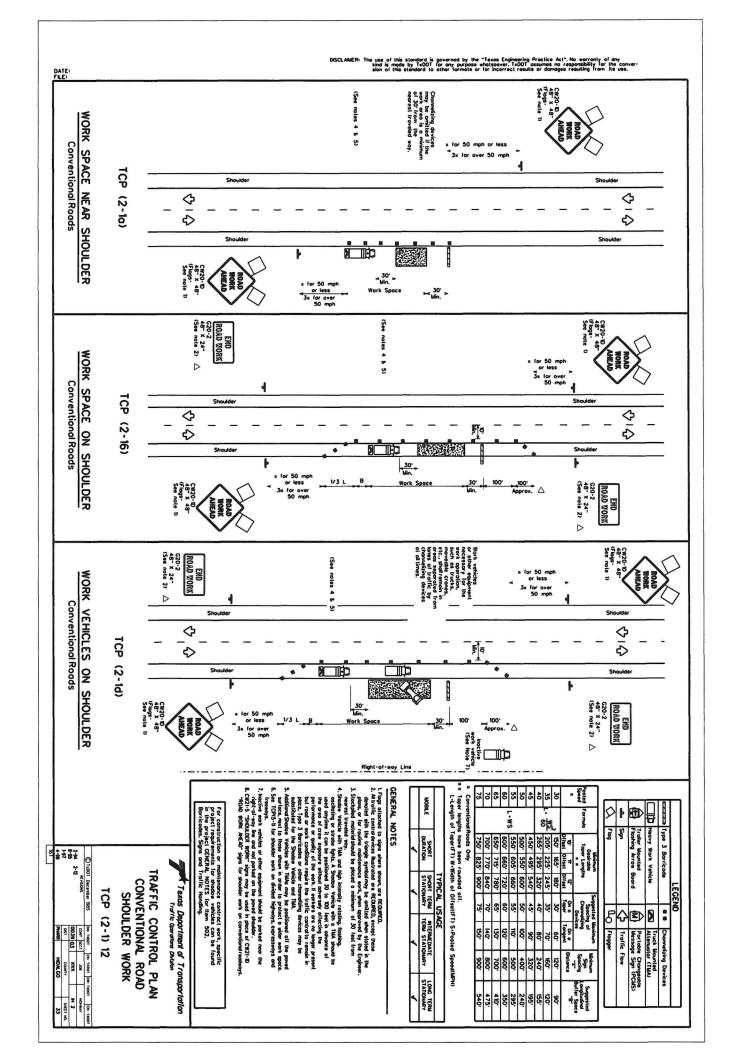
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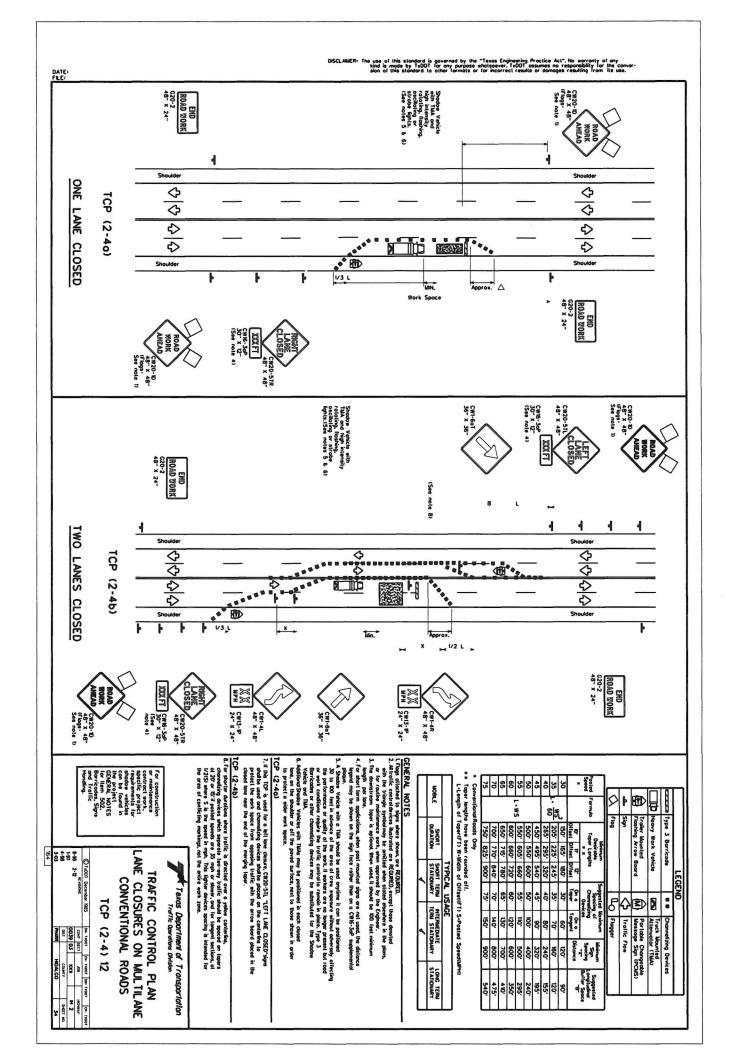
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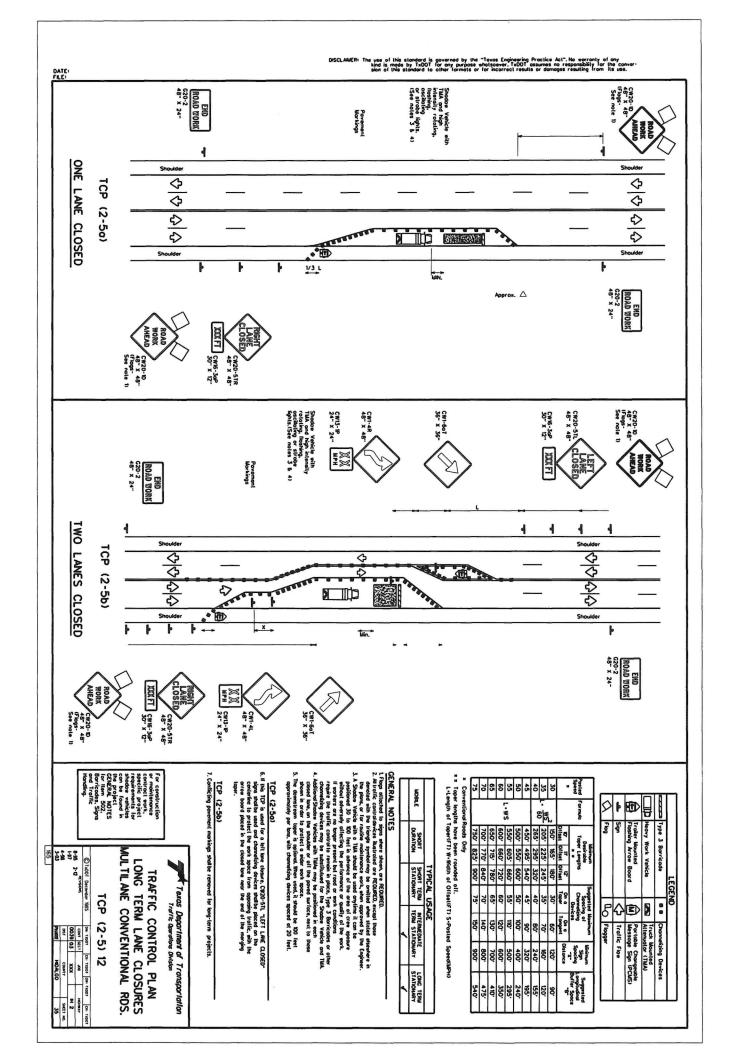
BARRICADE AND CONSTRUCTION

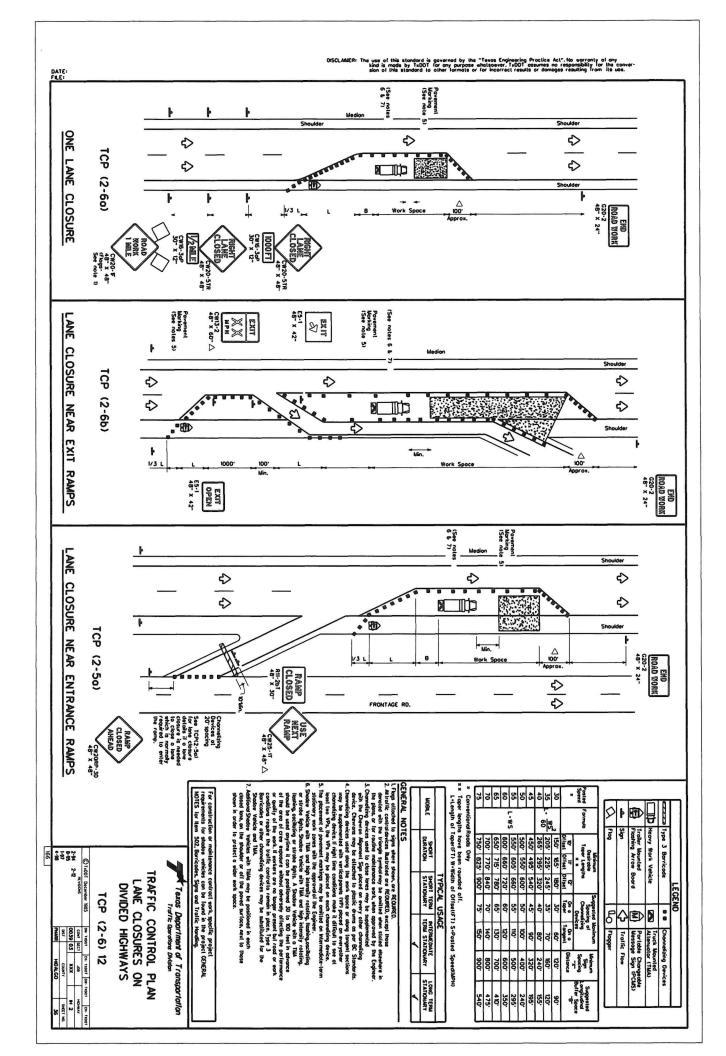
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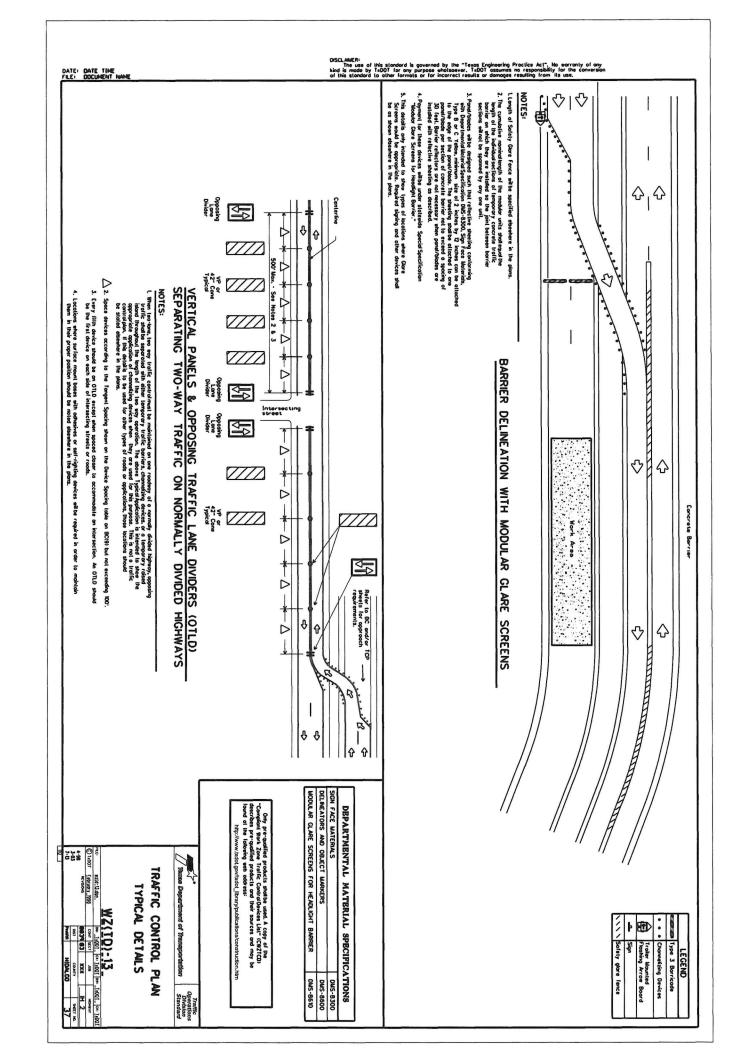
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Date Printed: X-X-XX 3. **X** 2. L Clean Water Act, Sections 401 and 404 Compliance 3. \boxed{x} Based on the acreage of impact, select the appropriate box below: 2. **X** XI Filling, dredging or excavating in any water bodies, rivers, creeks, streams, wetlands or wet areas is prohibited
unless specified in the USACE permit and approved by the Engineer. The contractor shall adhere to all agreements,
mitigation plans, and BMPs required by the NMP as regulated by the USACE. L Clean Water Act, Section 402: Stormwater Pollution Prevention .÷ . [2] The contractor must implement the SW3P by installing Best Management Practices (BMPs) as indicated in the construction plans and maintained appropriately throughout construction. BMPs must be in place prior to the start of construction. The SW3P may need to be revised as necessary as construction progresses. During the planning phase of project development, the following Environmental Permits, Issues and Commitments have been developed during coordination with resource agencies, local governmental entities and the general public. Any change orders and/or developed the final design must be reported to the Engineer prior to the commencement of construction activities as additional environmental clearances may be required. Action Items Rquired : Action Items Required : Ceneral Condition 21 - Category III BMP's required
Category III (Post-Construction TSS Control)

Vegetative Filter Strips
Retention/brigation
Extended Detention Basin

Constructed Wetlands

Retended Technology

Constructed Wetlands Category Il(Sedimentation Control)

Sit rence
Rock Berm
Triangular Filter Dike
Sond Bag Berm For all construction PSL's off the ROW, the contractor must certify compliance with all applicable laws, rules and regulations pertaining to the preservation of cultural resources, natural resources and the environment. Need to address MS4 requirements (Cameron & Hidalgo Counties only) Best Management Practices for applicable Section 401 General Conditions: The contractor is responsible for obtaining new or revised Section 404 permit(s) for Contractor initiated changes in construction methods that change impacts. To Waters (a) If the U.S., including wetlands. The Contractor will ensure that the water qualify of the State will be maintained and not degraded. Other Nationwide Permit Required: NWP* Individual 404 Permit Required ☐ Nationwide Permit 14 - PCN Required (1/10th to (1/2 acre, 1/3 in tidal waters) Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected) x No Permit Required * The Contractor must adhere to all of the terms and conditions associated with the following permitts: General Condition 12 · Categories land II BMPs required This project will disturb less than 1 acre of soil and is not part of a larger common plan of developments therefore, a NOI and TPDES Site Notice are not required for this project. This This project will disturb equal to ar more than 1 acre of salbut less than 5 acres; therefore a NDI's not required but a TROES Site Notice is required. The Construction Site Notice (CSN) is required to be posted at the construction site in a publicly accessible boation for review by the public, TCEO, EPA and other inspectors. Sodding Blankets, Motting Mulch emporary Vegetation project will disturb equal to or more than 5 acres of soil and will require a NOI and TPDES Site Notice. NOI and Site Notice are required to be posted at the construction site in a publicly accessible location Brush Berms Sediment Basins **Erosion Control Compost** Erosion Control Compost Grassy Swales Erosion Control Compost Hay (Straw) Bale Dike Diversion Dike Interceptor Swale Vegetation-Lined Ditches Wet Basins ☐ No Action Required MS4 requirements not needed ■ No Action Required Compost Filter Berms and/or Socks Stone Outlet Sediment Traps Compost Blankets Mulch Filter Berms and/or Socks Sand Filter Systems Mulch Filter Berms and/or Socks Compost Filter Berms and/or Soc Mulch Filter Berms and/or Socks Compost Filter Berms and/or Socks BIJP: Best Management Procicie
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SAC: Spider □ No Action Required No Action Required Revised 02/19/2015 TEXAS ENVIRONMENTAL PERMITS. ISSUES AND COMMITMENTS DIV.NO. Texas Department of Transportation PHR SECTION 03 (EPIC) PHARR DISTRICT PROJECT NO. JOB XXX SHEET 1 OF 2 HICHWAY NO. SHEET NO. H 2 38

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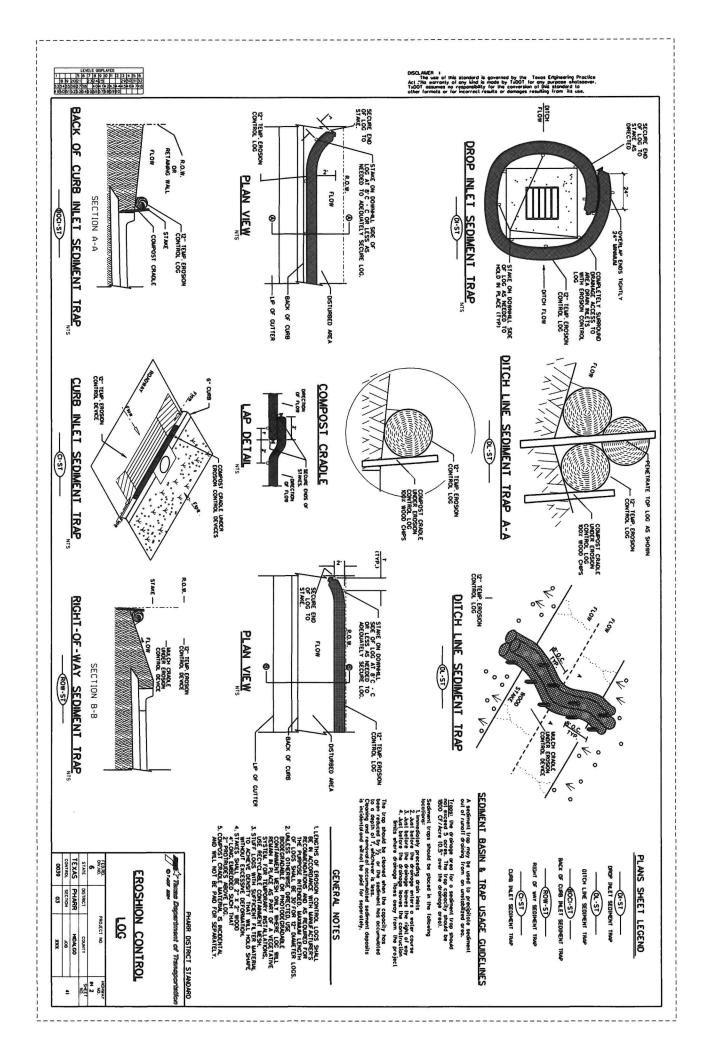
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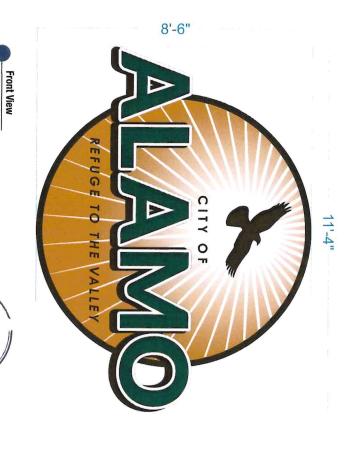
Texas Department of Transportation

TxDOT STORM WATER POLLUTION PREVENTION PLAN (SW3P)

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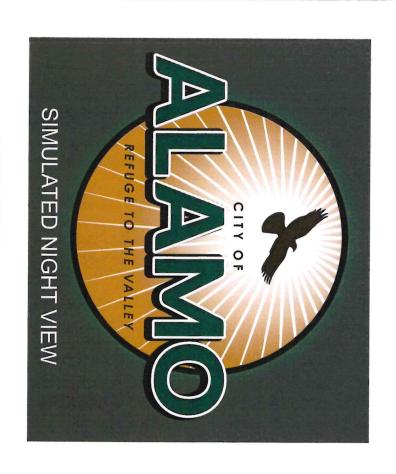


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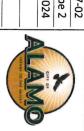




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SECTION 32 91 13 Planting Bed Preparation

All shrub beds shall be prepared for installation of plant material in the following manner:

- 1. Apply round-up @ herbicide 20 days and again 10 days before plant bed preparation in accordance with manufactures label.
- 2. Apply three inches (3") of mulch material for soil amendments as described in general notes to backfill material.
- 3. Till beds to a depth of 18 inches.
- 4. Level and re-grade to bring level with the sidewalks and raked smooth prior to planting.
- 5. The Owner shall inspect the beds prior to and after back filling.

SECTION 32 90 00

PLANTING

PART 1 - GENERAL

32 93 00 Planting and Establishment

The Contractor shall make an examination of the project site and completely familiarize himself with the nature and extent of the work to be accomplished. No extra compensation will be allowed for any work made necessary by unusual conditions or obstacles encountered during the progress of the work, which are readily apparent upon a visit to the site. If there are any questions in this regard, or discrepancies between the plans and actual site conditions, the Contractor shall notify the owner prior to the submission of bids.

All material and work required for repair and replacement shall meet with the approval of the owner, and will not be paid for directly, but will be subsidiary to this bid item.

The Contractor shall be responsible for contacting, locating, and protecting all underground utilities and structures. The owner may assist the Contractor in locating underground utilities and structures. However, any damage to existing utilities or structures shall be repaired at the Contractor's expense. If in the course of the work, underground utilities or structures are encountered and are in conflict with the work, the Contractor shall contact the owner who will recommend necessary adjustments. Changes of this nature are considered incidental to the work and shall not entitle the Contractor to additional compensation.

If the Contractor needs additional area for employee parking, servicing, storage, and securing of equipment and materials used in the performance of the specified work, the owner will, upon request from the Contractor, designate an area for this purpose. Upon completion of the work, the Contractor shall promptly remove all equipment, structures, and excess materials from the site and restore the area to its original condition, including the reestablishment of surface vegetation. This work shall be accomplished to the satisfaction of the owner and shall be subsidiary to the bid Item.

The Contractor shall be responsible for protection of his materials and equipment from theft, vandalism, animals, fire, etc., while said materials and equipment are on the project site, whether stored or installed in place, until the project has been accepted by the owner. In like manner, the Contractor shall protect all earthwork.

Upon completion of the project, the site(s) as defined herein, shall be cleaned of all debris and left in a neat and presentable condition. This shall include but not be limited to, the removal of all noxious weeds and debris from planted areas as specified herein or as specified by the owner. This work shall not be paid for directly, but shall be subsidiary to the bid Item.

The Contractor shall be responsible for providing material samples as well as any manufacturer's literature of materials used on this project as required by the owner. Any costs associated with any sampling and testing shall be the responsibility of the Contractor. These costs shall be considered as incidental and the Contractor will not be entitled to any additional compensation.

Any water hauled to the site during the plant installation period, a 90-day maintenance period shall be paid for by the Contractor.

The Contractor shall be required to verify and adhere to the requirements and codes of the controlling utility authorities in the event any materials or installation of any utilities shown on the plans are not adequate to meet the requirements or codes of the controlling utility authorities. Any changes that may be necessary shall be considered incidental and the Contractor shall not be entitled to any additional compensation.

Pre-construction conference

Prior to beginning work on the project and soon after the award of the contract, a conference will be held between the representatives of the owner, the Contractor, and any sub-Contractors that will be involved in the work. At this time the Contractor shall submit charts or briefs, outlining the manner of execution of the work that is intended in order to complete the specified work within the allotted time. This conference will more completely establish the sequence of work to be followed and establish the estimated progress schedule for completion of the various tasks.

In addition, at this conference, the Contractor shall be responsible for furnishing the owner with all of the following, as specified herein or as directed by the owner:

- 1. Samples of all materials, except plants, to be used on the project with identification as to product name, name, location, phone number (including area code), and mailing address of product source and manufacturer, if different from source, content of product, amount of each ingredient in the product, and manufacturer's directions as to use and application of the product, if applicable.
- 2. Manufacturer's literature of all materials and equipment installed on the project.
- 3. Any and all State and Federal certifications stating that the plant materials are free from disease and insect infestation.
- 4. All nursery locations, names, phone numbers (including area codes), and mailing addresses where the Contractor intends to procure plant material for the project so that critical plants may be inspected at the source, if necessary. Also, indicate which materials shall be used from each nursery.

- 5. A plan for transporting plant materials.
- 6. The source of water and the means of distribution on the project (this may be irrigation system or by other means as required by the project).

All of the requirements listed under the "pre-construction conference" will be subject to review, testing, and approval by the owner. If Items fail to meet approval, the Contractor shall correct the deficiencies and resubmit for approval as directed by the owner prior to beginning work on the project. If these Items fail a second approval, the owner will determine the course of action for the Contractor to follow. Any approval given, as stated above, shall not relieve the Contractor from providing quality materials, products, and equipment during construction. The owner has the option to review, test, approve, or disapprove any phase of the construction or maintenance as the work progresses. It is understood that some materials for the project will require mixing. Therefore, these materials after mixing may be reviewed, tested, and approved as Stated within these general notes.

Mulch materials

1. Mulch material for soil amendment required in the backfill mix shall be 100% organic composted material, factory blended to contain non-defoliated (arsenic acid free) weed free, and containing an approximate non-leachable N-P-K analysis of 2.0-2.0-2.0 with trace elements.

Example: Sweet soil, soil amendment Manufactured by:

Organic Compost Inc. Box 1637 Edinburg, Texas 78504 (956) 383-1121 (or approved equal)

- 2. All mulch for surface application shall be shredded pine bark. The texture shall correspond to the Type I, Class B classification of the Federal Specification Q-P-166E, with particles ranging between the size from 3/8 inch to about 1 inch, with a minimum (not over 25% by volume) of finer particles and dust. Mulch of this type and class shall be free of sticks, stones, clay, or other foreign matter.
- 3. One cubic foot (1 CF) samples of each type of ingredient along with a label from the manufacturer's packages shall be submitted to the owner for approval. If bulk materials are used, typical samples of each type of material shall be provided to the Architect for approval prior to the preparation of the planting mix. These samples, if approved by the owner, shall be

used as the standard by which other materials shall be judged. Any material that, in the judgment of the owner, is below the quality of these samples may be tested in accordance with

the specifications set forth herein. Any rejected material shall be immediately removed from the site at the Contractors expense. Payment for any testing required under this section shall be the responsibility of the Contractor.

Planting soil mix

Backfilling of all plant pits shall be done with a planting soil mix as specified herein. Native soil removed from the planting pits and beds shall be used to form the watering basins. Excess soil shall be removed from the site or distributed and leveled on the site by the Contractor as directed by the owner. Watering basin shall be formed using the soil mix and raked smooth.

Planting soil mix used for backfilling planting pits shall be prepared in the following proportions by volume:

60% sandy loam topsoil (pH 7.0-7.8). Soil shall be typical of the area with no noxious weeds, grasses, sticks, roots, or stones present and shall be consistent in texture. (maximum lump size is 1").
40% mulch as listed above.

The owner may require the Contractor to mix all ingredients of the planting soil mix in the presence of the owner.

All ingredients shall be thoroughly blended to provide a homogeneous mixture. Mixing shall be in one cubic yard or greater batches using mechanical mixing one in a designated on-site area or it may be accomplished off-site if approved by the owner and the finished material transported to the site.

Samples of at least one cubic foot (1 CF) for each ten cubic yards (10 CY) of planting soil mix used on the site shall be submitted to the owner for approval. In the event deficiencies are found in the planting mix they shall be corrected immediately. If the material is rejected on the project site by the owner for any reason, all of the rejected material shall be immediately removed from the site and disposed of by the Contractor at his expense. If any of the rejected material has been used in the planting operations, the owner, at his discretion, may require the Contractor to remove and replace the soil mix with an approved mixture. Any testing required by the owner shall be the responsibility of the Contractor and shall be considered subsidiary to the work and no additional compensation shall be awarded.

Fertilizer application at planting

All plants shall be fertilized with an approved slow release tablet applied at the rate shown on the plans, or at a comparable rate for an approved substitute. The Contractor shall submit complete Manufacturer's literature and analysis data for approval of the owner prior to beginning work on the project.

Application shall be as follows:

- (1) gallon material one (1) tablets
- (5) gallon material two (2) tablets
- (10)gallon material two (2) tablets
- (15)gallon material three (3) tablets

Palms - eight (8) tablets each

Trees - one (1) tablet per ½ inch caliper

Placement of tablets are as designated on the plans.

Staking and guying shall be considered subsidiary to landscape plantings and the Contractor shall not be entitled any additional compensation.

Staking of plant material locations

All trees and palms shall be staked in the field by the Contractor and approved by the owner prior to any excavation of plant pits. Stakes shall be color coded to denote tree locations at the time when tree locations have been staked, the owner shall have the right to make adjustments to the plant locations to meet field conditions. These changes shall be considered incidental and the Contractor shall not be entitled to any additional compensation.

Staking and guying

The Contractor shall install and maintain the guying material as detailed on the plans or as directed by the owner.

Water and watering

Water for all planting and a 90 day maintenance operations shall be the responsibility of the Contractor. Water shall be clean, clear, and free of industrial wastes or other substances harmful to plants. The Contractor shall provide all required facilities, to make connections and convey the water to the places where it will be used and to increase the water pressure if required. At the Pre-construction Conference, the Contractor should be prepared to identify the source of water and the means for delivery and distribution of water on the site.

During the planting operations, the Contractor shall provide a quantity and frequency of water application to keep the ground and backfill material moist to a depth of at least twelve inches (12") below the root ball and for the duration of the 90-day maintenance period as a part of this contract. The Contractor shall be required to meet the minimum watering requirement stated above by a method approved by the owner or, if applicable, in the event the irrigation system fails.

Pruning

Any necessary pruning shall be done at the time of planting as directed by the owner and in accordance with approved horticultural methods. All pruning shall be accomplished with clean sharp tools specifically designed for these purposes. Pruning and selective thinning equal to Class I, "Fine Pruning" shall be accomplished as needed during the contract period. The removal of sucker growth shall be required to keep the plant material free of sucker growth.

Plant basin maintenance

During the installation and 90 day maintenance period all plant basins and planting beds shall be maintained weed free. Nylon string trimmers shall not be used within the plant basins or planting beds. A two inch (2") layer of pine bark mulch or shredded cypress mulch, fine grade and free of debris, shall be established and maintained at all times within the basins and beds. Existing mulch shall be worked as to eliminate mulch compaction.

Watering basins shall be maintained as per details. Back fill material listed above, free of weed seed or other undesirable debris, shall be used to build basins and shall be compacted to adequately reduce erosion during watering or excessive rainfall.

Tree bracing and wrapping

Tree bracing will be required under this contract, as detailed on the plans.

Tree wrapping will not be required for this contract.

Plant wrapping

Plant wrapping will not be required under this contract.

Plant material

As directed by the Architect, the Contractor shall be required to furnish and install the following plants within the project limits as needed. The quantity of each plant type listed within the estimate summary sheet and within the project proposal may be increased or decreased as necessary. The Contractor shall

be paid for the actual number of plants installed based on the unit price bid for each type. Replacement plant material shall meet or exceed the following specifications:

Plant installation shall include all back fill, mulch, fertilizer, staking and guying, water, labor etc. to install and establish plant material, complete and in place.

Plants shall be subject to inspection and approval by the owner at the place of growth and upon delivery to the project site for conformity to the specifications. Such approval shall not impair the right of

inspection and rejection during progress of the work. The owner reserves the right to refuse inspection at any time if in his judgment a sufficient quantity of plants is not available for inspection.

All plants inspected at the place of growth by the owner shall be tagged with serialized self-locking tags. Plants delivered to the site without these tags or with broken tags may be sufficient reason for rejection. Tags shall be furnished by the Contractor and approved by the owner.

The Contractor shall submit for approval a plan to the owner for transplanting plant material from the place of growth to the site. Such a plan shall include: date of pick-up, place of growth, nursery or place of storage, type of vehicle used for shipping, method of protecting plants during transit, date of delivery to site, projected date of installation, a means of storage and care. Watering and shading used between delivery and planting which shall be subject to review by the owner. Do not store plant materials on hard surfaces and immediately untie material upon delivery.

The following considerations for product handling by the Contractor shall be evaluated during hot weather and when practical:

- 1) The Contractor may be required to transport plant materials between sunset and sunrise if transported in an open trailer or un-refrigerated van.
- 2) Dug material shall be maintained and watered as required at the nursery to guarantee their vitality and health until installation.
- 3) Protect trunks, stems, branches, and root balls from all damage during digging, handling, typing, wrapping, loading, unloading, and untying operations.
- 4) Load containers onto transport vehicle and secure in a manner that protects the structural integrity of the root balls and branches.
- 5) The Contractor shall be solely responsible for the safe transportation of plants to the site and their condition upon arrival.

- 6) Plants damaged, dehydrated or abused during transit and storage will be rejected.
- 7) Plant materials shall not be stored on concrete or left exposed to the sun.
- 8) Protect the root balls and water regularly until planting.
- 9) If plants are left in storage over the weekend or holiday a means of periodically watering and inspecting root ball moisture shall be provided.

The owner may inspect any phase of product handling and may reject any plant material improperly handled during any point of this operation.

Where specified to be nursery-grown, either in containers or in the field, such plants shall be nursery-grown in accordance with horticultural practices under climatic conditions similar to those of the project for at least twelve (12) months, unless specifically otherwise authorized by the owner in writing. Unless specifically noted otherwise, all plants shall be heavy, symmetrical, tightly knit, so trained or favored in development and appearance as to be superior in form, number of branches, compactness and symmetry.

Plants shall be sound, healthy and vigorous, well branched and densely foliated, when in leaf. They shall be free of disease, insect infestation, eggs, or larvae, and shall have healthy, well-developed root systems. They shall be free from physical damage or adverse conditions that would prevent thriving growth.

Plants that meet the measurements specified but do not possess a normal balance between height and spread shall be rejected.

All plants specified in containers shall be provided in structurally sound, nursery plant containers with the minimum size as specified. Container dimensions shall be as recommended by the "American Standard for Nursery Stock", (current edition). If a container is not listed in the "American Standard for Nursery Stock", then the owner will have final approval of container dimensions.

Samples must prove no root bound conditions exist. No container plants that have cracked or broken balls of earth when taken from container shall be planted. Container stock shall not be pruned before delivery. Field grown plants recently transplanted into containers will not be accepted.

The Contractor shall neither work subsoil for planting operations when moisture content is so great that excessive compaction will not occur nor when it is so dry that the clods will not break readily. Water shall be applied, if necessary.

Canned stock shall be removed carefully after cans have been cut on two or three sides with an approved tool. Do not use spade to cut cans. Do not lift or handle container plant by tops, stems, or trunks at any time.

Do not bind or handle any plant with wire or rope at any time so as to damage bark or break branches. Lift and handle plants only form bottom of ball.

The Contractor shall follow these steps for the installation of pit planted materials:

- 1) Scarify the walls and bottom of all plant pits immediately prior to the placement of plant and backfill mix to insure the removal of all glazing caused by an auger or mechanical hole digger.
- 2) Fill plant pits with backfill mix to compact depth to receive root ball, so that the top of the root ball is two inches (2") above finished grade.
- 3) For boxed material, break vertical bands and remove top and bottom of container. Carefully lower plant into pit with backhoe or approved method and adjust elevation, cut horizontal bands and remove sides.
- 4) Prune away girdled roots and tease root hair masses. Carefully fill pit with backfill mix and compact by watering in to support root ball.
- 5) Smooth planted areas to conform to specified grades after full settlement has occurred. Create watering basins as shown on the plans. Water all plants immediately after planting.
- 6) Spread mulch in required areas to the compacted depth of three inches (3") or as specified in the details or by the owner.
- 7) Trees should be staked for support during the same day as planting. Plants shall stand plumb after staking. The Contractor shall be responsible for material remaining plumb and straight for all given conditions throughout the contract period. Free support shall be done as outlined in the details.

Replacement of Material

If at any time during the contract period and a 90-day maintenance period, a plant is found to be dead, it shall be replaced to the satisfaction of the owner, and within the period specified in the formal written notification from the owner. Failure to accomplish replacement of plant materials during the specified time period will be considered non-performance of the guarantee and maintenance requirements included in this contract and the owner may withhold payment until the required replacement has been accomplished.

Planting Requirement for Plant Replacement

The Contractor shall utilize the same process for replacement of planting or materials as used in the original installation process.

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SECTION 32 84 23 Underground Irrigation System

This project includes an irrigation system with electric controllers and valves. It shall be the Contractor's responsibility to program and maintain the system so that the minimum watering requirements are met. In the event the irrigation system fails, the Contractor shall meet the watering requirements by a method approved by the owner. The cost of water used by the automated irrigation system for this Item shall be paid for by the owner.

The drawings are generally diagrammatic and indicative of the work to be installed. Due to the scale of the drawings, it is not possible to indicate all offsets, fittings, and sleeves, which may be required. The Contractor shall carefully investigate the site conditions affecting all work and shall plan his work accordingly, furnishing such offsets, fittings, and sleeves as may be required to meet site conditions.

The Contractor shall not willfully install the irrigation system as shown on the drawings when it is obvious in the field that obstructions, grade differences or discrepancies in area dimensions exist that might not have been known the owner. Such obstructions or differences should be brought to the attention the owner who will recommend necessary changes. This work shall be considered incidental to the project. In the event this notification is not performed, the Contractor shall assume full responsibility for any revisions necessary.

The Contractor shall field verify dimensions and minimum 55 PSI static water pressure at each meter before trenching, if discrepancies exist, notify the owner before proceeding. If the Contractor fails to verify pressures, he assumes full responsibility and costs for any system alterations.

A copy of the complete project and all additional project information shall be with the irrigation Contractor at all times. The Contractor must coordinate his installation activities and the site needs with the general Contractor.

All necessary boring for electrical work and water sleeves shall be subsidiary to this item.

Sleeving material to be installed by the Contractor.

Use of sleeves for all roadway crossings shall be required.

Materials:

All irrigation system utility meters, for billing purposes only, shall be applied for by the Contractor in the name of the owner. The Contractor shall be responsible for paying the cost of all meters, taps, installation, and any fees or other costs associated with the utility meters. The owner will be responsible only for the cost of the water and electricity used on this project to operate the irrigation system.

Any water hauled to the site during the installation of a ninety (90)-day maintenance period shall be paid by the Contractor.

Above ground pipe. All aboveground pipe and buried risers and swing-joint components shall be schedule 40 PVC pipe rated for direct sunlight exposure.

- 1. Underground pipe. All underground pipe shall be domestic extruded pipe manufactured from PVC 1120, Type I, grade I, PVC compound. The pipe shall be SDR 13.5, 315, for all 1/2", pipe and SDR 21, Class 200 for all other sizes, pressure rated with twin gasket couplings and fittings or slip type solvent welded joints. All fittings incorporated into the system shall be of the same type and class material as the pipe. All fittings shall be regularly manufactured parts (reducers, bushings, and other appurtenances), intended for use with the aforementioned materials. All pipe and fittings shall conform to ASTM D-1784 and shall be marked in accordance with ASTM D-2241.
- 2. Remote control valves. All remote control valves shall be as indicated in the plans or approved equal in the sizes indicated on the plans. The Contractor shall furnish valve data to the owner for approval prior to beginning the work.
- 3. Water meter. Water meter shall as specified in the plans.
- 4. Valve boxes. All gate valves, remote control valves, and quick coupling valves shall be mounted below grade in Ametek or approved equal valve boxes. Minimum size of any box shall be ten (10) inches and shall be installed with the top flush with finished grade. No more than one (1) valve is to occupy the same box to allow easy access for maintenance operations as determined by the owner.
- 5. Rotary and pop up heads and spray heads: irrigation heads on this system shall as shown in the plans, or approved equal. The Contractor shall furnish head data to the owner for approval prior to beginning the work.
- 6. Miscellaneous Fittings. The Contractor shall furnish all other fittings and appurtenances necessary to complete the system.
- 7. Irrigation Controller. The contractor shall as specified in the plans.
- 8. Control wire. All low voltage control wire shall be 14 ga. Color coded and specifically manufactured for direct burial. All wire connections and splices shall be made with waterproof compression clamps covered with scotch fill and coated with Scotch Kote, or an approved equal.
- 13. Backflow prevention devices. Backflow shall as specified in the plans.

Example: FEBCO PVB (2") or an approved equal

11. Solvent cement. Solvent cement shall be the type recommended by the pipe manufacturer.

Installation method

- 1. Excavation and backfilling. The Contractor shall do all necessary excavating and backfilling required for the proper installation of the pipe and other irrigation equipment. Excavation depth and pipe location shall be in strict accordance with the dimensions and notes on the plans. Deviations in the piping as shown on the plans shall not be permitted without approval, in writing, from owner. Minor adjustments to the layout that may be necessary to avoid unforeseen underground obstructions may be made by the Contractor so long as they are recorded on the field drawings and incorporated into the "as-built drawings" described hereinafter.
 - (a) Trench excavation. Trench excavation shall follow, as much as possible, the layout indicated on the drawings. Dig trenches straight and support pipe continuously on bottom of trench. Lay pipe to an even grade. Trench shall be clean and smooth with all organic debris and sharp objects removed. Trench depths shall be as shown on the plans.

Pipe shall be snaked in the trench, with scheduling facing up for clear inspection by the owner and in order to allow for expansion and contraction. Solvent weld pipe shall not be installed when air temperature is below forty (40) degrees Fahrenheit. Plastic pipe shall be cut with a handsaw, hacksaw, or other cutter, in a manner that will insure a square cut. Burrs at cut ends shall be removed prior to installation so that a smooth unobstructed flow will be obtained. Plastic to plastic joints shall be made following manufacturer's recommendations.

All main and lateral lines are to be pressure tested and inspected by the owner prior to any backfilling.

- (b) Depth of Cover. Irrigation mains shall have a minimum of eighteen (18) inches of cover, and lateral lines shall have a minimum cover of twelve (12) inches of soil.
- (c) Backfill. All backfill material shall be free of sharp rock, large stones, or other materials that could damage the pipe during the backfilling operation.

Backfilling shall not be done in freezing weather except with written approval of the owner. The site of the work shall be continuously cleared of excess and/or waste materials as the backfilling progresses, and shall be left in a workmanlike condition to the satisfaction of the owner. In order to prevent accidental injury, any open trenches shall be covered or clearly flagged to the owner's satisfaction.

- (d) Compaction of Backfill. All trenches shall be backfilled in lifts of no more than twelve (12) inches and then compacted by an approved method. Compaction of the pipe trenches must be sufficient to limit short term settling of the backfill to no more than
 - one-tenth (0.10) of a vertical foot. The Contractor shall be responsible for correcting any settling greater than this without additional compensation.
- 2. Installation of Spray Heads. All spray heads shall be installed in accordance with the details in the drawings. All heads shall only be installed on the risers after the system has been thoroughly flushed to remove all soil and trash that may have accumulated in the lines during the installation.
- 3. Installation of Valves. All valves, remote, electric, or manual, shall be installed in accordance with the details in the drawings and in an approved valve box which shall reach to at least two (2) inches below the bottom of the valve. A minimum of eighteen (18) inches of extra control wire shall be coiled below the valve in the valve box.
- 4. Installation of Control Wire. All low voltage control wire shall be laid in the pipe trenches below the pipe. Any wire that cannot be installed directly in a pipe trench shall be placed in a minimum two (2) inch conduit over its entire run. All wire runs shall be continuous lengths. No splices shall be made in the trench. Any wire splices that are required shall be made at the values using waterproof materials specified herein.
- 5. Installation of controllers. Controllers shall be installed in accordance with the drawings and details. The location of the controllers shall be as shown on the plans. Adjustment of the location may be necessary to meet unforeseen site conditions. Should relocation be necessary the Contractor shall contact the owner immediately and the owner will work with the Contractor to establish the final location. Such a relocation shall be considered an incidental change, and there will be no additional compensation.
- 6. Installation of water meters and backflow preventers. If required, Water meters and backflow preventers shall be installed in accordance with the drawings and details. The location of water meters and backflow preventers shall be as shown on the plans. Adjustment of the location may be necessary to meet unforeseen site conditions. Should relocation be necessary the Contractor

- shall contact the owner immediately and the owner will work with the Contractor to establish the final location. Such a relocation shall be considered an incidental change and there will be no additional compensation.
- 10. Project supervision. The Contractor shall continuously maintain a competent superintendent, licensed by the State of Texas as an irrigator and satisfactory to the owner, on the site during all construction operations. The superintendent shall be able to make decisions and direct the work as the representative of the Contractor. It shall be the responsibility of the superintendent to notify the owner of work accomplished at least forty-eight (48) hours in advance of required onsite inspections and to maintain a set of plans on the site at all times on which all field adjustments or deviations from the drawings are to be recorded for the preparation of the as-built drawings. The field plans shall at all times be available for the inspection of the owner.

Guarantee and acceptance

- 1. Maintenance Period. The irrigation system shall be inspected concurrently with, and subject to the same 180-day maintenance period required by the owner. During the 180-day maintenance period, the Contractor shall perform the following maintenance activities as a minimum and to the satisfaction of the owner:
 - (a) Install and maintain the controller program to insure the proper distribution of water.
 - (b) Inspect, repair, and/or replace any equipment that is found to be defective or that may be damaged by other maintenance activities.
 - (c) Make any adjustments that may become necessary to insure the proper delivery of water to the plant material.
- 2. As-built Drawings. Upon completion of the 90-day maintenance period, the owner will make an inspection of the project at this time. The Contractor shall furnish the owner a set of as built drawings on reproducible film base sheets prepared by a qualified draftsman. The owner will check these base sheets to be sure they are a true reflection of the project conditions and will direct the Contractor to correct any errors that are found. The drawings shall show all valve locations by triangulation from a fixed object and any change to sprinkler head location and rerouting of main and lateral lines. Any changes of this nature shall be approved by the owner prior to installation.

- 3. Operating and maintenance data. The Contractor shall provide instructions covering full operation, care and maintenance of the equipment, including a schedule showing length of time each valve is to be open to provide determined amount of water and instruct the owner's designated personnel in proper operation of the system.
- 4. Test. Testing of the system for leakage shall be in accordance with the local plumbing codes. The Contractor shall also test and assure the proper electrical working order of the system to the satisfaction of the owner. The Contractor shall set the valve sequence as directed by the owner to ensure grass establishment.

SECTION 32 91 00 Furnishing and Placing Topsoil

Topsoil required for this item to be from a pre-approved contractor obtained source. Topsoil shall be easily cultivated, fertile loam (pH 6.8-7.6), typical of the area, with no noxious weeds, grasses, sticks, or stones present and shall be consistent maximum lump size of 1". The contractor shall provide soil test prior to placement for approval by the engineer by a certified soil-testing laboratory.

Texas Plant & Soil Lab, Inc. (or equivalent) 5115 West Monte Cristo Road Edinburg, Texas (956)-383-0730

Soil test shall provide a standard soil analysis, mico-nutrient soil determination and interpretation with recommendations.

Topsoil shall have a soil texture rating of '3' (loam) or less (sandy loam) in accordance with standard soils testing. Soil source shall also test for sodium levels of 180 or less.

Before soil placement the contractor shall prepare all areas by applying an approved postemergent herbicide in accordance with the product label and as required by the Texas Commission on Environmental Quality.

Fusilade II turf and ornamental herbicide (or equivalent) Syngenta Crop Protection, Inc. P.O. Box 18300, Greensboro, NC 27419

Upon approval of the topsoil source the contractor shall apply an activated charcoal (humane) at a rate of 250 lbs. per acre on the site(s) specified. Topsoil then to be placed and tilled till into the existing soil to a depth of 6 inches by approved mechanical methods. The contractor shall then bring topsoil mix to grade as provided in the plans and specifications then raked to a smooth even finish. Contractor to finish work by watering and rolling with a light roller or other suitable equipment.

Earthwise Organics (or equivalent) Composted Products P.O. Box 533816 Harlingen, Texas 78553

In the event that irrigation systems exist at the project site(s) the contractor shall locate and protect all irrigation valves, irrigation heads and controllers. The contractor shall contact and determine wiring and piping depth for verification of possible conflicts in the work. A licensed irrigator shall provide repair to any damage to existing irrigation systems. Irrigation protection or repairs shall be considered subsidiary to the various bid items and shall not be paid for separately.

SECTION 02900

32 92 13 FIBER MULCH SEEDING

Cellulose fiber mulch seeding shall be applied in areas designated on the plans or as directed by the Engineer. This work shall not be performed until all construction and planting activities have been completed. Prior to seeding, the areas designated shall be finished to a smooth surface for a uniform application of seed.

Seeding shall be accomplished by the Hydromulch Method in two applications as shown below:

1st application Grass seed and Fertilizer
2nd application -

Cellulose fiber mulch Minimum pure live seed required 85%.

Fertilizer shall be applied at the rate of 100 pounds of nitrogen per acre. Fertilizer shall be homogenized.

Cellulose Fiber Mulch shall be applied a rate of 2000 lbs. per acre.

Re-seeding

Areas requiring re-seeding due to the non-establishment of sufficient vegetative cover, shall be re-seeded with in a 90-day time frame. The cost for re-seeding shall be paid for by the owner provided that the Contractor has followed the seeding and watering requirements as specified.

Seed mixture

Seed mixture shall be as specified

Bermudagrass 'cynodon dactylon' a rate of 65 lbs. Pure live seed per acre.

Fertilizer:

Fertilizer rate is based on a rate of 100 lbs. of Nitrogen per acre. The Nitrogen-Phosphorous-Potassium (NPK) ratio shall include a minimum of 19 percent Nitrogen-19 percent Phosphorous and 19 percent Potassium.

Areas to receive fertilizer are same as shown for Item, "Cellulose Fiber Mulch Seeding".

Note: All areas to be irrigated shall be seeded as noted in this contract.

See plan sheets for areas to be seeded.

INSURANCE

Proposer shall at all times during the Contract maintain in full force and effect Employer's Liability, Worker's compensation (or equivalent), Public Liability, and Property Damage insurance.

Should there be any changes regarding such insurance, the City shall be notified, in writing, within ten (10) working days of such changes.

Before commencement of work hereunder, Proposer agrees to furnish to the City a certificate of insurance to the effect that such insurance has been procured and is in full force. The auto liability and commercial general liability policies shall include a Notice of Cancellation endorsement stating that the City will be provided 30 days' notice of any cancellation of material change in such policies.

Proposer shall carry the following types of insurance in at least the limits specified below:

Coverage:	Limits of Liability:
Worker's Compensation	Statutory Limit
Employer's Liability	\$500,000.00
Bodily Injury Liability Except Automobile	\$500,000.00 each occurrence \$1,000,000.00 aggregate
Property Damage Liability Except Automobile	\$500,000.00 each occurrence \$1,000,000.00 aggregate
Automobile Bodily Injury Liability	\$500,000.00 each occurrence \$1,000,000.00 Automobile
Property Damage Liability	\$500,000.00 each occurrence
Excess Umbrella Liability	\$500,000.00 each occurrence

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity	
This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.	OFFICE USE ONLY
This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).	Date Received
By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.	
A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.	
Name of vendor who has a business relationship with local governmental entity.	
Check this box if you are filing an update to a previously filed questionnaire. (The law re completed questionnaire with the appropriate filing authority not later than the 7th busines you became aware that the originally filed questionnaire was incomplete or inaccurate.)	quires that you file an updated s day after the date on which
Name of local government officer about whom the information is being disclosed.	
Name of Officer	
Describe each employment or other business relationship with the local government offic officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with Complete subparts A and B for each employment or business relationship described. Attack CIQ as necessary. A. Is the local government officer or a family member of the officer receiving or life other than investment income, from the vendor? Yes No B. Is the vendor receiving or likely to receive taxable income, other than investment of the local government officer or a family member of the officer AND the taxable in local governmental entity? Yes No Describe each employment or business relationship that the vendor named in Section 1 may be a constant.	the local government officer. In additional pages to this Form Rely to receive taxable income, income, from or at the direction income is not received from the
other business entity with respect to which the local government officer serves as an of ownership interest of one percent or more.	ficer or director, or holds an
Check this box if the vendor has given the local government officer or a family member of as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a)(a)(b), excluding gifts described in Section 176.003(a)(b), excluding gifts described in Section 176.003(a)(a)(b), excluding gifts described in Section 176.003(a)(b), excluding gifts described in S	of the officer one or more gifts 03(a-1).
<u>7</u>	
Signature of vendor doing business with the governmental entity	ate

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

<u>Local Government Code § 176.001(1-a)</u>: "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:
 - (2) the vendor:
 - (A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that
 - (i) a contract between the local governmental entity and vendor has been executed; or
 - (ii) the local governmental entity is considering entering into a contract with the vendor;
 - (B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:
 - (i) a contract between the local governmental entity and vendor has been executed; or
 - (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

- (a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:
 - (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
 - (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
 - (3) has a family relationship with a local government officer of that local governmental entity.
- (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:
 - (1) the date that the vendor:
 - (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
 - (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or
 - (2) the date the vendor becomes aware:
 - (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
 - (B) that the vendor has given one or more gifts described by Subsection (a); or
 - (C) of a family relationship with a local government officer.