CONSTRUCTION PLANS
FOR

## CLAREMONT SPRINGS PHASE II

$$
\begin{aligned}
& \text { CITY OF LUCAS ETJ } \\
& \text { COLLIN COUNTY, TEXAS }
\end{aligned}
$$

NOTES FOR CONSTRUCTION WITH THE NORTH TEXAS MUNCIPAL
A. North Texas Municipol Water District's. NTTMW''s 4 4-inch woter pipiline
and future 72 " pipeline o ore located witinin the limits of construction.

 C. To assure that ploc

 NTHMD's'Engineering Doporsement it (t)
of NTMWD's eosement con be reviewe


 F. Outdor lighing, Iordscoping, screening walls or other facilities shall
not be instoled
ind NTMWD easements
C. Unless otherwise shown or reauired a minimum of one-foot clearance
shollbe provided for ollutities crossing the NTWWD pipeines.




LOCATION MAP
N.T.S.

| NDEX |  |
| :---: | :---: |
| 1 | title |
| 2 | final plat |
| 3 | final plat |
| 4 | drainage area map \& calculations |
| 5 | claremont drive \& serenity court |
| 6 | chatfield lane |
| 7 | toulouse court |
| 8 | MAPLEWOOD LANE |
| 9 | MAPLEwood Lane |
| 10 | water plan |
| 11 |  |
| 12 | detention pond plan \& calculations |
| 13 | grading plan |
| 13 A | detention pond grade to drain |
| 14 | grading plan |
| 15 | erosion control plan |
| 16 | Street sign \& Lighting plan |
| 17 | general notes |
| SETP-CD(2) | txdot safety end treatment |

PREPARED FOR
CLAREMONT SPRINGS ॥, LTD.
3838 OAK LAWN, SUITE 1212
DALLAS, TEXAS 75219
LAS, TEXAS 75

JUNE 28, 2007


EEALL DESCRPPTION CCloremont Springs Addition Phase












delocation
Now Therefore, know all men by these presents

eis lat oproved subiect to allpotiting ordinances, rues, resubione resutions of the city
Exccurte this the $\qquad$ day of 2007.
$\underset{\substack{\text { Richard dseraburg } \\ \text { Presedident }}}{\text { S. }}$

## 


WTTNESS MY HAND AND SEAL OF OFFIGE, this the day of .2007.
$\overline{\text { NOTARY PUEGLC, STATE OF TEXAS }}$

Recommented For Approval
Charimon end Coning Commision
City
City of tucos, Texas
"Approved For Construction:
Matyor of Lucas, Texas Doter


nome os here inaobove sitas
doy of $\qquad$


 Siven under $m y$ hond ond seal of fofice, this day of 2007














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1. At topeping steveves ond vaveses shallbe tat body cuccilie ron.
































AnNG System












 Noch


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 Controctor to provide iowid osshont sealer tor concerete fions








storn sewer system

























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NoTE: All Cross Pipes, calculations, ond
dimensions are based on the pipe culverts mitered as shown in this detail. Ai ternate
sty les of mitered ends will reauire that sty les of mitered ends will reauire tha
appopriote odjustments be modi to the
values presented on this standard.
SIDE ELEVATION OF TYPICAL $\frac{\text { PIPE CULVERT MITER }}{\frac{\text { (Showing Corrugoted Metal Pipe Culvert.) }}{\text { (Details ot Concrete Pipe Cul vert are simi iar.) }}}$


ISOMETRIC VIEW OF TYPICAL INSTALLATION


SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

PIPE W/ ANCHOR BARS


SECTION C-C
CROSS PIPE DETAILS

Cross Pipe (flush $\begin{aligned} & \text { \#6 Reinforcing } \\ & \text { Anchor Bar }\end{aligned}$ th top of Riprap)

| CROSS PIPE LENGTHS, required pipe Sizes, \& riprap quantities (2) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|l} \begin{array}{l} \text { Nominal } \\ \text { Culvert } \\ \text { I.D. } \end{array} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { Conc } \\ \text { Riprop } \\ \text { (CY) } \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { Pipe } \\ \text { cuivert } \\ \hline \text { Spa } \sim G \\ \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { Single } \\ \text { Barrel } \\ \sim \end{array}$ |  | Q2 | $\begin{aligned} & \text { Conditions for } \\ & \text { Crose of pipes } \end{aligned}$ | $\begin{aligned} & \text { Cross } \\ & \text { Pipe } \\ & \text { Pize } \end{aligned}$ |
| $12^{\prime \prime}$ | 0.6 | $9^{\prime \prime}$ | N/A | $2^{\prime}-1^{\prime \prime}$ | $1^{\prime \prime}-9^{\prime \prime}$ | 3 or more Pipe Culverts | $\left(3.500{ }^{3 \prime \prime}\right.$ (td. D. $)$ |
| $15^{\prime \prime}$ | 0.7 | 11" | N/A | $2^{\prime}-5^{\prime \prime}$ | $2^{\prime}-2^{\prime \prime}$ |  |  |
| $18^{\prime \prime}$ | 0.8 | $1^{\prime \prime}-2^{\prime \prime}$ | N/A | $2^{\prime}-10^{\prime \prime}$ | $2^{\prime}-8^{\prime \prime}$ |  |  |
| $21^{11}$ | 0.9 | ${ }^{1 \prime}-4^{\prime \prime}$ | N/A | $3^{\prime}-2^{\prime \prime}$ | 3'-1" |  |  |
| $24^{\prime \prime}$ | 0.9 | $1^{1}-7^{\prime \prime}$ | N/A | $3^{\prime}-6^{\prime \prime}$ | $3^{\prime}-7^{\prime \prime}$ |  |  |
| 271 | 1.0 | $1^{\prime \prime}-8^{\prime \prime}$ | N/A | $3^{\prime}-10^{\prime \prime}$ | 3'-11" | 3 or more Pipe Culverts |  |
| $30^{\prime \prime}$ | 1.1 | $1^{\prime}-10^{\prime \prime}$ | N/A | $4^{\prime}-2^{\prime \prime}$ | $4^{\prime}-4^{\prime \prime}$ | 2 or more Pipe culverts |  |
| $33^{\prime \prime}$ | 1.2 | $1^{\prime \prime}-11^{\prime \prime}$ | $4^{\prime}-2^{\prime \prime}$ | 4'-5" | $4^{\prime}-8^{\prime \prime}$ | All Pipe Culverts |  |
| $36^{\prime \prime}$ | 1.3 | $2^{\prime}-1^{\prime \prime}$ | $4^{\prime}-5^{\prime \prime}$ | 4'-9 ${ }^{\prime \prime}$ | $5^{\prime}-1^{\prime \prime}$ | All Pipe Culverts | (4.5000 ${ }^{4 n}{ }^{\text {s }}$ (d. 0.0.$)$ |
| $42^{\prime \prime}$ | 1.5 | $2^{\prime}-4^{\prime \prime}$ | $4^{\prime}-11^{\prime \prime}$ | $5^{\prime}-5^{\prime \prime}$ | $5^{\prime}-10^{\prime \prime}$ |  |  |
| $48^{\prime \prime}$ | 1.7 | $2^{\prime}-7^{\prime \prime}$ | 5'-5" | $6^{\prime}$-0" | 6'-7" | All Pipe Culverts |  |
| $54 "$ | 2.0 | 3'-0" | $5^{\prime}-11^{\prime \prime}$ | $6^{\prime}-9^{\prime \prime}$ | $7^{\prime \prime}-6^{\prime \prime}$ |  |  |
| 60 " | 2.2 | 3'-3" | $6^{\prime}-5^{\prime \prime}$ | 7'-4" | 8'-3' |  |  |
| $66^{\prime \prime}$ | 2.4 | 3'-3" | $6^{\prime}-11^{\prime \prime}$ | 7'-10" | 8'-9" |  |  |
| $72^{\prime \prime}$ | 2.7 | 3'-4" | 7'-5' | $8^{\prime}-5^{\prime \prime}$ | $9^{\prime}-4^{\prime \prime}$ |  |  |

(1) The proper installation of the first Cross pipe is oritical
for velicle sofetyo THe top of the first cross pipe must
be placed at no more than $6 "$ above the flow line

(3) The third Cross pipe from the bot+om of the Culvert shall


(4) Match Cross slope as shown elsewhere in the plans. Cross
(5) Riprap placed beyond the limits shown will be "poid os
(6) Quantities shown are for one end of one reinforceed Concrete
Pipe Culvert. For multiple pipe cuiverts or for corrugated Metal pipe culverts, quantities will, need to be adiusted
Riprap quantities ore for contractor, information
GENERAL NOTES:
Cross Pipes are designed for a traversing
load of 10,000 pounds of yield as recormended
 of Roadside Paralle i- Drainage Structures", Texas
Transportation Institute, Moroh 1981 . Safety End Treatments, shown herein" are intended
for $u$ in those instol trions where out of control
 Concrap and all necessary inverts shall bes
of Ite Poyment for roprop" "and toewall is included in
the Price Bid for each Safety End Treatment.



 type II - PARALLEL DRAINAGE
SETP-PD


