$\frac{\text { BENCH MARKS }}{\text { (ANDD 188) }}$


Ea0. = 79.98

##  <br> 

CITY OF GAHANNA, OHIO SANITARY IMPROVEMENT PLANS PRICE ROAD SEWER PHASE II SA-1032

2018


- Properties being offered the assessment option

Estimated cost of construction $=\$ 575,889.60$


INDEX OF SHEETS


CITY OF GAAANNAPPROVAL
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Wote fefferes Ebnoer $\qquad$ $\frac{02104 / 16}{\text { Dote }}$
funvell I. Smin 1/29/16
Dottic a.tranerg $11 / 29 / 16$

\#RKale $12 / 1 / 16$

 $\mathrm{RBM}^{\frac{\mathrm{Jam}}{}}$
 $\frac{07 / 20 / 16}{\text { Dote }}$



general notes:
 Al pertinent standord construction drowings ore oviloble woon request ot the office of
 The controctor shall notify the City of Gohonna Engineer ot least two working doys prior to
and













 The cost of ony de-wetering operations reaured for the construction of the sonitary sewer
shoil be included in the price bid for the various imporvement titems.





 The Contractor shall moke his own provisions to provide a site staging area and iob teder


 UTLITES:


nd h hrizontal effects on the proposed construction. The Controctor shol give notice to
oups ond other utility owners Where potentiol grode conficts miant occur with existing utitites, the Controctor shall expose


The following utitites ond owners ore located within the work limits of this project and ore
reaistered members of the underground utity

| uturir | OWNER | тELEPHONE | fax |
| :---: | :---: | :---: | :---: |
| Woter Focilities |  | (614) 342-4440 | (614) 342-4100 |
| Sewer Facilities |  | (614) 342-4440 | (614) 342-4100 |
| Electric Focilities | American Electric Power 850 Tech Center Dr Gahanna, OH 43230 | (614) 883-6811 | (614) $883-6868$ |
| Gas | Columbia Gas of Ohio 200 Civic Center Dr Columbus, OH 43215 | (614) 460-6000 | (614) 460-4265 |
| Telephone |  | (800) 660-1000 | (614) $223-6296$ |

## SANTARY SEWER Notes:






 Al monholes shall hove wotertight bolt down lids due to proximity to flood plain. II monholes sholl hove vocuum tested per c.o.c. CMS Item 901 .
Roof drains, foundotion drains ond other clean woter connections to the sonitary seever
ystem ores pronibited. sstem are proribited
TIORM sewer notes:


 All curb intets and manholes shal be channeled as directed
inclued
nt the price bid for vorious storm sewer items.
cose of conficict in grode between woter lines ond storm seevers, the woter lines sholl be
 anienance of trafic
 The sofety of pedestirion trafic shall be considered ot on times in the provision of troffic
control devices reauried by theses plons ond notes. It shall be the controctor's responsibility







 AItrenches within the rood right-of-woy sholl be bockilled or securely ploted during

 SUBSURFACE SOLL DATA


 CONVENENCE FACLITES
 STANDARD TOPSOLL SEEEDNG, FERTLIZR, AND MUCHING




 dewaternce



 The Contractor shal be reauired to complete ond file owellog end oo riling Repon


 construction debers


 ork sholl be in
 antanng Sewage system operatoo

 IEM SPECIAL, PUMP STATON CONVERSION
The contractor shall parovide thenveoror ond moterials necessory to remove existing pumps,


 force moin shal be obondoned by seling it on both ends (P)
using opproved precast stoperess ond /or mosonry bulkhed. VIDEO RECOBONG LNES






| Type |  | Moderiol | \| wietiol Seec. | Joint | Cosadina | minimm | $\underbrace{\text { Remin }}_{\text {Piom }}$ | Meximum wh |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Moin | 10-inen | pro | ASTM D-3034 |  | ${ }^{012}$ | 0.45\% | 75315 | 291 |
| Min | $10-\mathrm{inch}$ | pro | ssim |  | cı1 | 0.45\% | ${ }^{88} \mathrm{LF}$ | 291 |
| Moin | 8 -ineh | pvo | Astm |  | ${ }^{\text {c12 }}$ | 0.45\% | 127 | ${ }^{288}$ |
| Man | 8 -inen | pvo | AstM D-3034 | (extion | c1 | 0.45\% | 80 LF | ${ }^{288}$ |
| otero | 6-inen | pvo | Assm D-3034 |  | ${ }^{\text {c12 }}$ | 2.008 | 13215 |  |








