

1	G-01	COVER SHEET
2	G-02	GENERAL NOTES
3	G-03	LEGEND AND ABBREVIATIONS
4	G-04	OVERALL SITE PLAN AND INDEX FOR SHEETS
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6	G-06	EASEMENTS AND ACCESS TO STAGING AREA 2, AND LINE 1 STA 14+04.37
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14	C-07	PLAN AND GENERAL NOTES LIFT STATION DECOMMISSIONING
15	C-08	DETAIL AND DEMOLITION SEQUENCE LIFT STATION DECOMMISSIONING
16	C-09	CHANNEL STABILIZATION
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18	E5-01	E & S ENLARGED PLAN - LINE 1 STA 0+00 TO 2+00
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20	E5-03	E & S ENLARGED PLAN - LINE 1 STA 14-04.37
21	E5-04	E & S ENLARGED PLAN - LINE 1 STA 27+85.94
22	E5-05	E & S ENLARGED PLAN - STAGING AREA 1
23	E5-06	E & S ENLARGED PLAN - STAGING AREA 2
24	E5-07	E & S ENLARGED PLAN - STAGING AREA 3
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26	E5-09	COA E&S STANDARD DETAILS
27	E5-10	COA TREE PROTECTION STANDARD DETAILS
28	TC-01	OVERALL TRAFFIC CONTROL PLAN
29	TC-02	TRAFFIC CONTROL STANDARD DETAILS
30	TC-03	TRAFFIC CONTROL STANDARD DETAILS
31	TC-04	TRAFFIC CONTROL STANDARD DETAILS
32	TC-05	TRAFFIC CONTROL STANDARD DETAILS
33	D-01	MISCELLANEOUS DETAILS
34	D-02	COA STANDARD DETAILS
35	D-03	COA STANDARD DETAILS
36	D-04	COA STANDARD DETAILS
37	S-01	JUNCTION BOX PLANS AND ELEVATIONS
38	S-02	JUNCTION BOX SECTIONS
39	S-03	JUNCTION BOX GENERAL NOTES
40	S-04	JUNCTION BOX DETAILS
41	S-05	JUNCTION BOX TYPICAL DETAILS

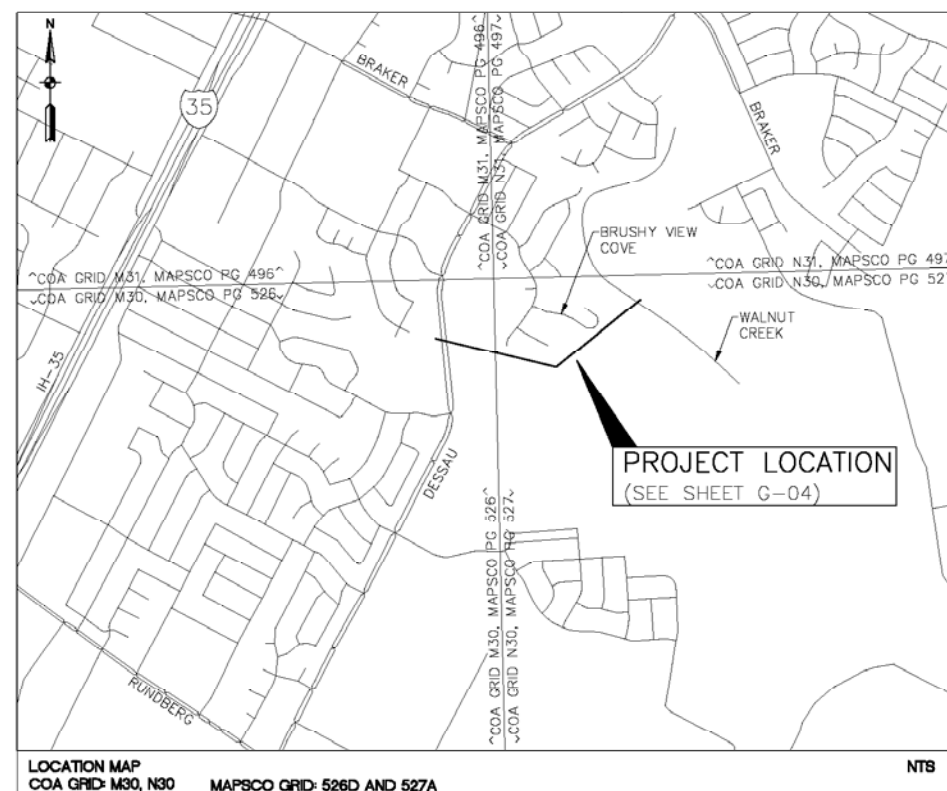
1. CONSTRUCTION OR CLEARING OPERATIONS.
2. CONTRACTOR SHALL CALL "ONE CALL" AT 1-800-344-8377 FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET RIGHT OF WAYS.
3. THIS PROJECT IS LOCATED WITHIN THE WALNUT CREEK WATERSHED (CLASSIFIED AS SUBURBAN) AND SHALL BE DEVELOPED, CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 25 OF THE CODE OF THE CITY OF AUSTIN.
4. A PORTION OF THIS SITE IS LOCATED WITHIN PARKLAND OR LAND USED FOR PARK PURPOSES. (IF SUCH LAND IS INCLUDED, DOCUMENTATION OF PARKS AND RECREATION DEPT APPROVAL IS REQUIRED AT THE TIME OF SUBMITTAL FOR GENERAL PERMIT PROGRAM APPROVAL.)
5. A PORTION OF THIS SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN, PFR CITY OF AUSTIN AND FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS.
6. THIS PROJECT IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS DEFINED BY THE CITY OF AUSTIN. THIS PROJECT IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
7. THERE ARE CRITICAL ENVIRONMENTAL FEATURES WITHIN 150' OF ANY PORTION OF THIS PROJECT. A FIELD INVESTIGATION HAS BEEN PERFORMED AS A PART OF THIS PROJECT.
8. THE STANDARD SHEETS INCLUDED IN THIS PLAN SET WERE PROVIDED BY THE GENERAL PERMIT PROGRAM OFFICE FOR USE ON GENERAL PERMIT PROJECTS ONLY. IF ANY MODIFICATIONS TO THE SHEETS WERE MADE, THEY ARE CLEARLY INDICATED ON THE SHEET ITSELF AND IN THE COVER SHEET INDEX.
9. ADDITIONAL TRENCH E/S CONTROL: TRIANGULAR SEDIMENT FILTER DIKE WILL BE INSTALLED ACROSS FULL WIDTH OF TRAFFIC CLOSURE AND DOWNSTREAM OF CONSTRUCTION AREA, PERPENDICULAR TO CURB. FILTER DIKE TO FOLLOW ACTIVE CONSTRUCTION. REMOVING AND RE-SETTING FILTER DIKE IS CONSIDERED SUBSIDIARY TO BARRICADES AND TRAFFIC HANDLING.
10. PROJECT SCHEDULE MUST BE APPROVED BY THE GENERAL PERMIT PROGRAM (GPP) COORDINATOR. INSTALLATION AND REMOVAL OF TEMPORARY AND PERMANENT EROSION/SEDIMENTATION CONTROLS MUST BE REFLECTED IN THE SCHEDULE, BY STATION NUMBER. GPP REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.
11. APPROPRIATE EASEMENTS/APPROVALS MUST BE SECURED AND DOCUMENTED FOR PROJECT AREAS LOCATED OUTSIDE OF RIGHT OF WAYS. NO WORK SHALL BE PERFORMED WITHIN THESE AREAS UNTIL ASSOCIATED RIGHT OF ENTRY HAS BEEN SECURED. ADDITIONALLY, PROJECT PORTIONS IMPACTED BY LACK OF RECORDED DOCUMENT NUMBERS WILL NOT BE CONSIDERED FOR FORMAL GPP REVIEW.
12. CONTRACTOR SHALL STAKE ALL PROPOSED SERVICE CONNECTIONS LOCATED WITHIN THE CRITICAL ROOT ZONE OF TREES 8" IN CALIPER AND LARGER AT LEAST 21 CALENDAR DAYS PRIOR TO CONSTRUCTION OF SUCH SERVICES. STAKING SHALL CONSIST OF A LATH WITH NAIL AND PAINT MARKINGS. IN CASES WHERE A STAKE CANNOT BE PLACED WITHOUT DAMAGING PROPERTY, CONTRACTOR MAY USE PAINT ONLY. ONCE STAKING IS COMPLETED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE CITY OF AUSTIN'S CONSTRUCTION INSPECTOR WITHIN TWENTY-FOUR HOURS. THE CITY OF AUSTIN'S CONSTRUCTION INSPECTOR WILL THEN COORDINATE A FIELD REVIEW OF THE SERVICE LOCATIONS WITH THE GENERAL PERMIT PROGRAM COORDINATOR AND PROPERTY OWNERS. SERVICE LINE LOCATIONS MAY BE ADJUSTED BASED ON THE REVIEW AND WILL BE RESTAKED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL SERVICE LINE STAKING SHALL BE MAINTAINED UNTIL THE SERVICE IS INSTALLED.

[illegible]

MAYOR
LEE LEFFINGWELL
CITY COUNCIL MEMBERS

CHRIS RILEY, PLACE 1
MIKE MARTINEZ, PLACE 2
KATHIE TOVO, PLACE 3

LAURA MORRISON, PLACE 4
BILL SPELMAN, PLACE 5
SHERYL COLE, PLACE 6, MAYOR PRO TEM



CHRIS DORMIER, P.E.
BLACK & VEATCH CORPORATION
1701 DIRECTORS BOULEVARD, SUITE 940
AUSTIN, TX 78744
PHONE (512) 448-2503
FAX (512) 448-2389

 ENGINEER OF RECORD DATE _____

DATE _____

FOR GENERAL PERMIT HOLDER _____

DATE _____

DATE _____

GENERAL PERMIT PROGRAM COORDINATOR
PLANNING AND DEVELOPMENT REVIEW DEPARTMENT

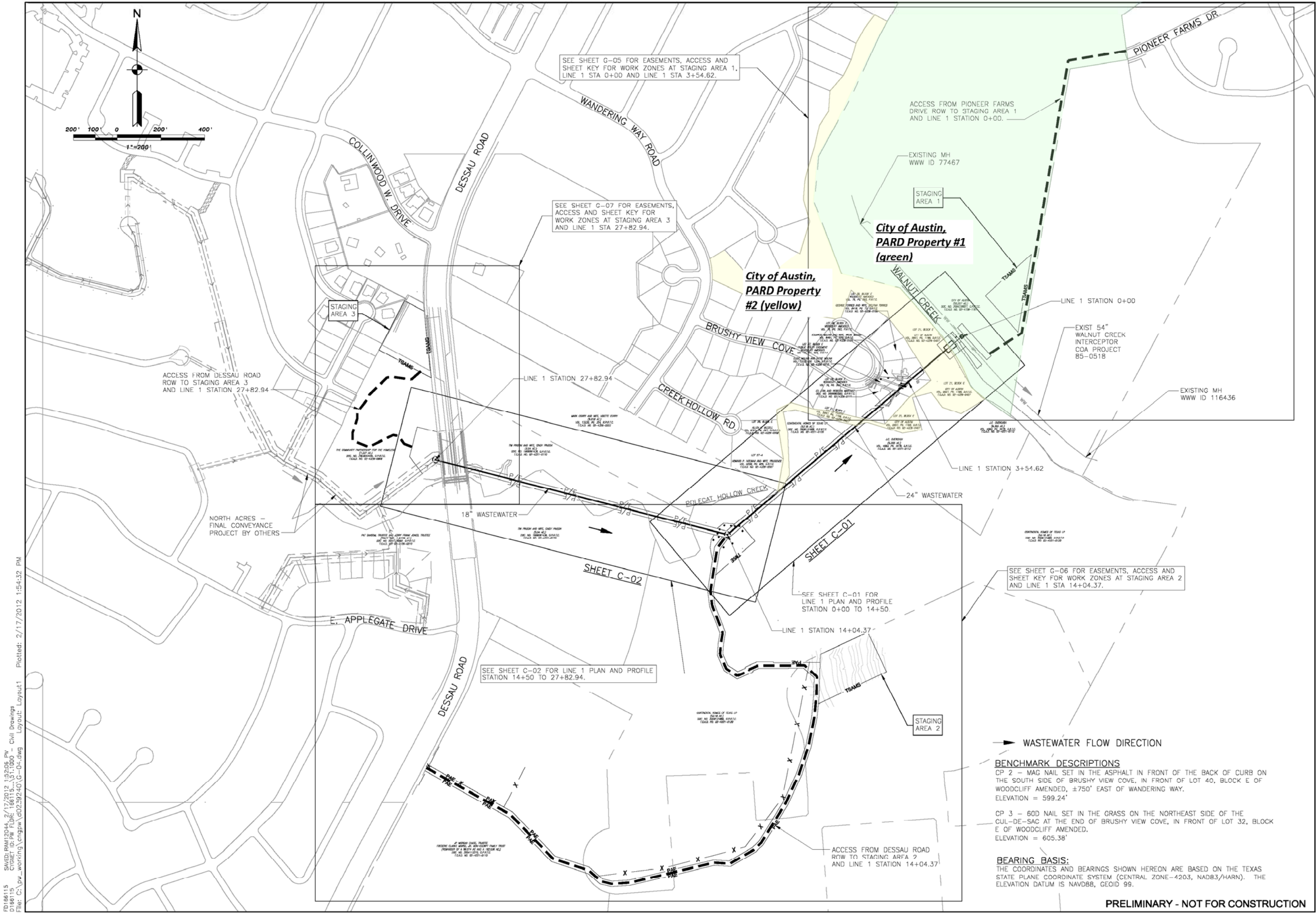
SUBMITTAL DATE:

NOTES:
GENERAL PERMIT PROGRAM APPROVAL DOES NOT
CONSTITUTE UTILITY ALIGNMENT/ASSIGNMENT APPROVAL.

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A
VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS
SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS
SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY
AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT
THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY
CITY ENGINEERS.

GENERAL PERMIT PROGRAM

NORTH ACRES - WASTEWATER TUNNEL



DESIGNED BY: CPD

DRAWN BY: AWL

REVIEWED BY:

APPROVED BY:

PROJECT NO.:

DATE:

SCALE: 1"=200'

REVISION:

DISCIPLINE NO. G-04

DWG. NO.

SHEET OF

NO. DATE DK DR

DESCRIPTION

PRELIMINARY

THIS DOCUMENT RELEASED FOR 90% REVIEW UNDER AUTHORITY OF CHRIS P. DORMIER TEXAS P.E. 87889 ON NOV 18, 2011

IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMITTING

City of Austin, Texas
Austin Water Utility

NORTH ACRES - WASTEWATER TUNNEL

OVERALL SITE PLAN AND INDEX FOR SHEETS

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Registration No. E-289

Austin, Texas

FD166115
D166115
C:\pw_working\engpwa\02239240\G-04.dwg
Plotted: 2/17/2012 1:54:32 PM
Layout: 1

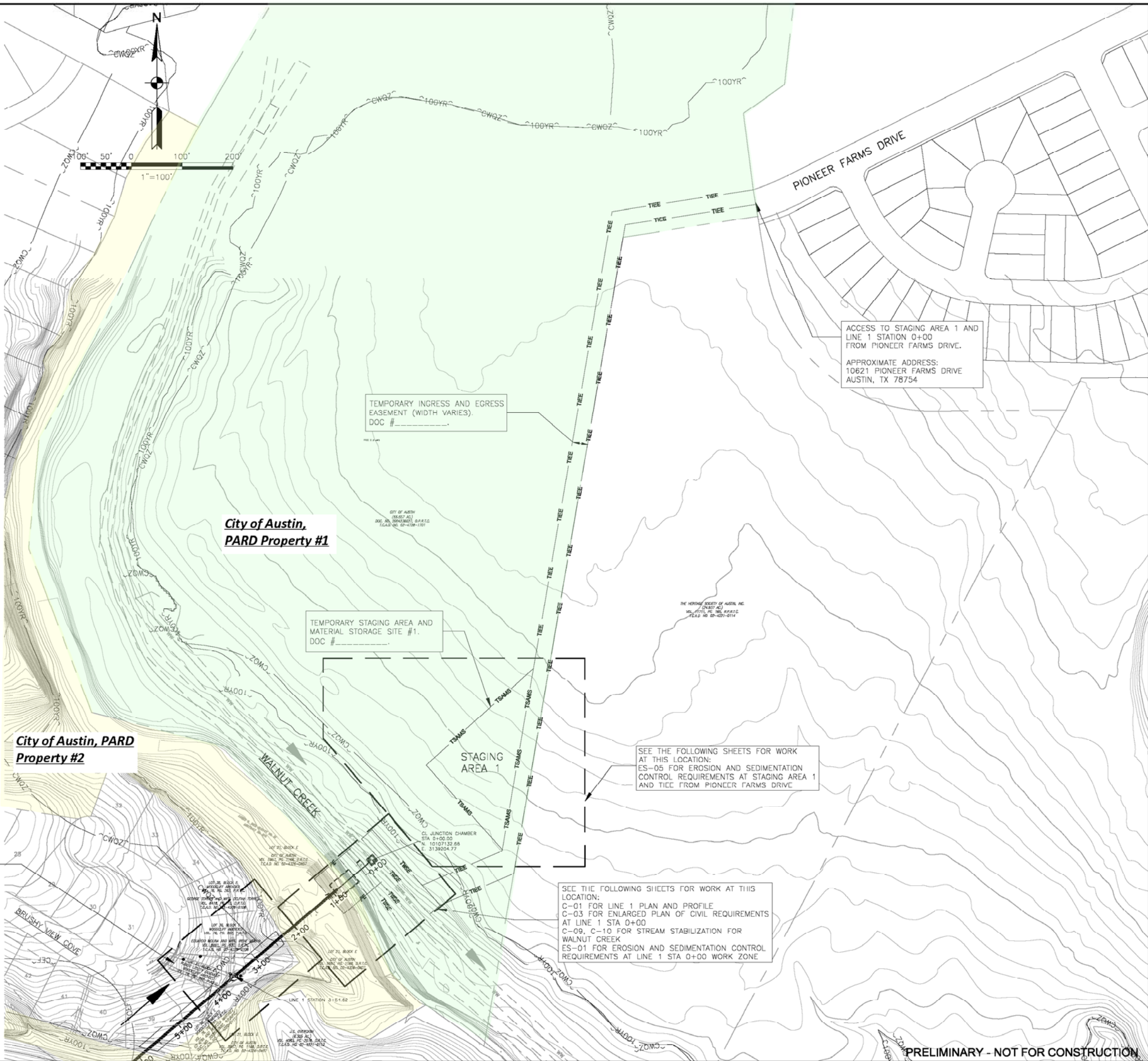
SAVED: RAM12044, 2/17/2012 1:52:08 PM
C:\pw_working\engpwa\02239240\G-04.dwg
Plotted: 2/17/2012 1:54:32 PM
Layout: 1

PRELIMINARY - NOT FOR CONSTRUCTION

ACCESS TO LINE 1 STATION 3+54.62,
WORK ZONE FROM BRUSHY VIEW COVE.

APPROXIMATE ADDRESS:
1591 BRUSHY VIEW COVE
AUSTIN, TX 78754

SEE THE FOLLOWING SHEETS FOR WORK
AT THIS LOCATION:
C-01 FOR LINE 1 PLAN AND PROFILE
C-04 FOR ENLARGED PLAN OF CIVIL REQUIREMENTS
AT LINE 1 STA 3+54.70
C-07 FOR TEMPORARY WASTEWATER BYPASS
C-08 FOR LINE 2 PLAN AND PROFILE
C-11, C-12 FOR WOODCLIFF NO. LIFT STATION DECOMMISSIONING
ES-02 FOR EROSION AND SEDIMENTATION CONTROL REQUIREMENTS
AT LINE 1 STA 3+54.70 WORK ZONE



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City of Austin, Texas
Austin Water
Austin Water Utility

NORTH ACRES - WASTEWATER TUNNEL
EASEMENTS, ACCESS AND SHEET KEY
FOR WORK ZONES AT STAGING AREA 1,
LINE 1 STA 0+00 AND LINE 1 3+54.62,

DESIGNED BY: CPD
DRAWN BY: AWL
REVIEWED BY:
APPROVED BY:
PROJECT NO.:
DATE:
SCALE: 1"=100'

REVISION:

NO.	DATE	DESCRIPTION
-----	------	-------------

DISCIPLINE NO.
G-05
DWG. NO.
SHEET OF

FD166115
D:\166115
C:\pwworking\cngpwa\0239240\C-03.dwg
1/27/2012 12:00:32 PM
1/27/2012 12:01:54 PM
Civil Drawings
Layout: C-03

MATCHLINE TEMPORARY INGRESS
AND EGRESS EASEMENT - SEE SHEET

City of Austin, PARD Property #1

City of Austin, PARD Property #2

- NOTES:
1. PRIOR TO BEGINNING CONSTRUCTION CONTRACTOR SHALL LOCATE EXISTING 54" INTERCEPTOR AND VERIFY TIE-IN ELEVATIONS. CONTRACTOR SHALL SUBMIT THIS INFORMATION TO ENGINEER TO DETERMINE IF CHANGES ARE NEEDED TO THE FLOWLINE ELEVATIONS OF LINE 1.
 2. WORK ON THIS SHEET IS LOCATED WITHIN 100 YEAR FLOODPLAIN.
 3. SEE EROSION AND SEDIMENTATION SHEETS FOR TEMPORARY EROSION AND SEDIMENTATION CONTROLS.
 4. SEE PLAN AND PROFILE SHEETS C-02 AND C-03 FOR PIPE MATERIALS AND ALLOWABLE CONSTRUCTION METHODS.

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Black & Veatch Corporation

Registration No. C-289

Austin, Texas

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TEXAS P.E. 87689 ON
NOV 18, 2011

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BIDDING OR PERMITTING

City of Austin, Texas

Austin WATER Austin Water Utility

NORTH ACRES - WASTEWATER TUNNEL

CIVIL

ENLARGED PLAN LINE 1 STA. 0+00 TO 2+00

DESIGNED BY: CPD

DRAWN BY: AQR

REVIEWED BY:

APPROVED BY:

PROJECT NO.: 166115

DATE:

SCALE: 1"=10'

REVISION:

DISCIPLINE NO.
C-03

DWG. NO.

SHEET OF

NO.

DATE

DESCRIPTION

REVISIONS

LINE 1 STA 0+00
=STA 359+23.15± OF
PROJECT 85-0518
LOCATE EXISTING 54"
AND CONSTRUCT NEW
JUNCTION BOX
OVER 54" WASTEWATER
INTERCEPTOR.
SEE NOTE 1.
N. 10107130.87
E. 3139206.40

50' TEMPORARY
INGRESS AND EGRESS
EASEMENTS
DOC #

TEMPORARY WORKING
SPACE EASEMENT
(WIDTH VARIES)
DOC #

CONTRACTOR SHALL LOCATE,
SUPPORT AND PROTECT
FROM DAMAGE EXISTING 18"
PVC FORCE MAIN.

TEMPORARY WORKING
SPACE EASEMENT
(WIDTH VARIES)
DOC #

LIMITS OF CONSTRUCTION
(DASHED LINE), TYP.

LINE 1 STA 0+90±
BEGIN TUNNEL INSTALLATION

SEE CHANNEL STABILIZATION
C-9,10 DETAILS

PRELIMINARY - NOT FOR CONSTRUCTION

FD166115
D166115
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1/27/2012 1:21:28 PM
Civil Drawings
Layout: C-04
1/27/2012 1:22:50 PM

MATCHLINE
STATION 2+00
STATION 4+50

City of Austin, PARD Property #2

J.C. OVERCASH
(6,305 AC.)
VOL. 4083, PG. 2078, D.R.T.C.
T.C.A.D. NO. 02-4221-0113

LOT 21, BLOCK E
CITY OF AUSTIN
VOL. 5957, PG. 1168, D.R.T.C.
T.C.A.D. NO. 02-4326-0407

NOTES:

- SEE ES-02 FOR EROSION AND SEDIMENTATION CONTROL AND TREE PROTECTION REQUIREMENTS.
- SEE SHEET C-___ FOR LINE 2 PROFILE AND UTILITY RELOCATION REQUIREMENTS.
- CONTRACTOR SHALL CLEAN OUT EXISTING MH AT LINE 2 STATION 0+10 AND VERIFY MH INVERT PRIOR TO ORDERING MATERIALS. NOTIFY ENGINEER IF CHANGES TO INVERT ARE NEEDED.

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Registration No. E-289
Austin, Texas

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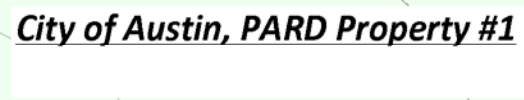
Austin WATER
City of Austin, Texas
Austin Water Utility

NORTH ACRES - WASTEWATER TUNNEL

CIVIL
ENLARGED PLAN LINE 1 STA. 2+00 TO 4+50

DESIGNED BY:	CPD
DRAWN BY:	AQR
REVIEWED BY:	
APPROVED BY:	
PROJECT NO.:	166115
DATE:	
SCALE:	1"=10'
REVISION:	
DISCIPLINE NO.	C-04
DWG. NO.	
SHEET	OF

PRELIMINARY - NOT FOR CONSTRUCTION



SEE SHEET ES-01 FOR CONTINUATION

Stationing labels along the road: 1+00, 2+00, 3+00, 4+00, 5+00, 6+00, 7+00, 8+00, 9+00, 10+00, 11+00, 12+00, 13+00, 14+00, 15+00, 16+00, 17+00, 18+00, 19+00, 20+00, 21+00, 22+00, 23+00, 24+00, 25+00, 26+00, 27+00, 28+00, 29+00, 30+00, 31+00, 32+00, 33+00, 34+00, 35+00, 36+00, 37+00, 38+00, 39+00, 40+00, 41+00, 42+00, 43+00, 44+00, 45+00, 46+00, 47+00, 48+00, 49+00, 50+00, 51+00, 52+00, 53+00, 54+00, 55+00, 56+00, 57+00, 58+00, 59+00, 60+00, 61+00, 62+00, 63+00, 64+00, 65+00, 66+00, 67+00, 68+00, 69+00, 70+00, 71+00, 72+00, 73+00, 74+00, 75+00, 76+00, 77+00, 78+00, 79+00, 80+00, 81+00, 82+00, 83+00, 84+00, 85+00, 86+00, 87+00, 88+00, 89+00, 90+00, 91+00, 92+00, 93+00, 94+00, 95+00, 96+00, 97+00, 98+00, 99+00, 100+00, 101+00, 102+00, 103+00, 104+00, 105+00, 106+00, 107+00, 108+00, 109+00, 110+00, 111+00, 112+00, 113+00, 114+00, 115+00, 116+00, 117+00, 118+00, 119+00, 120+00, 121+00, 122+00, 123+00, 124+00, 125+00, 126+00, 127+00, 128+00, 129+00, 130+00, 131+00, 132+00, 133+00, 134+00, 135+00, 136+00, 137+00, 138+00, 139+00, 140+00, 141+00, 142+00, 143+00, 144+00, 145+00, 146+00, 147+00, 148+00, 149+00, 150+00, 151+00, 152+00, 153+00, 154+00, 155+00, 156+00, 157+00, 158+00, 159+00, 160+00, 161+00, 162+00, 163+00, 164+00, 165+00, 166+00, 167+00, 168+00, 169+00, 170+00, 171+00, 172+00, 173+00, 174+00, 175+00, 176+00, 177+00, 178+00, 179+00, 180+00, 181+00, 182+00, 183+00, 184+00, 185+00, 186+00, 187+00, 188+00, 189+00, 190+00, 191+00, 192+00, 193+00, 194+00, 195+00, 196+00, 197+00, 198+00, 199+00, 200+00, 201+00, 202+00, 203+00, 204+00, 205+00, 206+00, 207+00, 208+00, 209+00, 210+00, 211+00, 212+00, 213+00, 214+00, 215+00, 216+00, 217+00, 218+00, 219+00, 220+00, 221+00, 222+00, 223+00, 224+00, 225+00, 226+00, 227+00, 228+00, 229+00, 230+00, 231+00, 232+00, 233+00, 234+00, 235+00, 236+00, 237+00, 238+00, 239+00, 240+00, 241+00, 242+00, 243+00, 244+00, 245+00, 246+00, 247+00, 248+00, 249+00, 250+00, 251+00, 252+00, 253+00, 254+00, 255+00, 256+00, 257+00, 258+00, 259+00, 260+00, 261+00, 262+00, 263+00, 264+00, 265+00, 266+00, 267+00, 268+00, 269+00, 270+00, 271+00, 272+00, 273+00, 274+00, 275+00, 276+00, 277+00, 278+00, 279+00, 280+00, 281+00, 282+00, 283+00, 284+00, 285+00, 286+00, 287+00, 288+00, 289+00, 290+00, 291+00, 292+00, 293+00, 294+00, 295+00, 296+00, 297+00, 298+00, 299+00, 300+00, 301+00, 302+00, 303+00, 304+00, 305+00, 306+00, 307+00, 308+00, 309+00, 310+00, 311+00, 312+00, 313+00, 314+00, 315+00, 316+00, 317+00, 318+00, 319+00, 320+00, 321+00, 322+00, 323+00, 324+00, 325+00, 326+00, 327+00, 328+00, 329+00, 330+00, 331+00, 332+00, 333+00, 334+00, 335+00, 336+00, 337+00, 338+00, 339+00, 340+00, 341+00, 342+00, 343+00, 344+00, 345+00, 346+00, 347+00, 348+00, 349+00, 350+00, 351+00, 352+00, 353+00, 354+00, 355+00, 356+00, 357+00, 358+00, 359+00, 360+00, 361+00, 362+00, 363+00, 364+00, 365+00, 366+00, 367+00, 368+00, 369+00, 370+00, 371+00, 372+00, 373+00, 374+00, 375+00, 376+00, 377+00, 378+00, 379+00, 380+00, 381+00, 382+00, 383+00, 384+00, 385+00, 386+00, 387+00, 388+00, 389+00, 390+00, 391+00, 392+00, 393+00, 394+00, 395+00, 396+00, 397+00, 398+00, 399+00, 400+00, 401+00, 402+00, 403+00, 404+00, 405+00, 406+00, 407+00, 408+00, 409+00, 410+00, 411+00, 412+00, 413+00, 414+00, 415+00, 416+00, 417+00, 418+00, 419+00, 420+00, 421+00, 422+00, 423+00, 424+00, 425+00, 426+00, 427+00, 428+00, 429+00, 430+00, 431+00, 432+00, 433+00, 434+00, 435+00, 436+00, 437+00, 438+00, 439+00, 440+00, 441+00, 442+00, 443+00, 444+00, 445+00, 446+00, 447+00, 448+00, 449+00, 450+00, 451+00, 452+00, 453+00, 454+00, 455+00, 456+00, 457+00, 458+00, 459+00, 460+00, 461+00, 462+00, 463+00, 464+00, 465+00, 466+00, 467+00, 468+00, 469+00, 470+00, 471+00, 472+00, 473+00, 474+00, 475+00, 476+00, 477+00, 478+00, 479+00, 480+00, 481+00, 482+00, 483+00, 484+00, 485+00, 486+00, 487+00, 488+00, 489+00, 490+00, 491+00, 492+00, 493+00, 494+00, 495+00, 496+00, 497+00, 498+00, 499+00, 500+00, 501+00, 502+00, 503+00, 504+00, 505+00, 506+00, 507+00, 508+00, 509+00, 510+00, 511+00, 512+00, 513+00, 514+00, 515+00, 516+00, 517+00, 518+00, 519+00, 52

SEE NOTE 1.

NOTES:

1. SILT FENCE ON DOWNHILL SIDE OF TIE TO ENTRANCE AT PIONEER FARMS DRIVE. COORDINATE WITH ENVIORNMENTAL INSPECTOR IN FIELD.

CONTRACTOR SHALL PROTECT
EXISTING FENCE LOCATED ON
PROPERTY LINE. DAMAGE TO
FENCE SHALL BE REPAIRED
AT CONTRACTOR'S EXPENSE.

--- LF SILT FENCE

STAGING AREA 1

[illegible]

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Black & Veatch Corporation
Registration No. F-250
Austin, Texas

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City of Austin, Texas
Austin Water Utility

NORTH ACRES - WASTEWATER TUNNEL

**EROSION & SEDIMENTATION
ENLARGED PLAN - STAGING AREA 1**

DESIGNED BY:	CPD
DRAWN BY:	AQR
REVIEWED BY:	
APPROVED BY:	
PROJECT NO.:	166115
DATE:	
SCALE:	1" = 20'
REVISION:	
DISCIPLINE NO.	
ES-05	
DWG. NO.	
SHEET	OF

PRELIMINARY - NOT FOR CONSTRUCTION

D:\166115
 Saved: RAM12044, 1/30/2012 1:09:55 PM
 C:\166115...S1.1000 - Civil Drawings
 C:\166115...S1.1000 - Civil Drawings
 File: C:\pw-working\cnpw\20239240\S1-05.dwg
 Layout: C-03 Plotted: 1/30/2012 1:10:47 PM