

SITE CONSTRUCTION PLANS FOR BERRY FARMS SEC 3-4 WATER LINE CONNECTION

FRANKLIN, WILLIAMSON COUNTY, TENNESSEE
CITY OF FRANKLIN PROJECT NO. 5732
GSP JOB NO. 26567.00

SITE DATA

PROJECT NAME: BERRY FARMS SEC 3-4 WATER LINE CONNECTION
 SUBDIVISION #: 0000
 LOT NUMBER:
 ADDRESS:
 CITY: FRANKLIN
 COUNTY: WILLIAMSON
 STATE: TENNESSEE
 DISTRICT (OPTIONAL):
 ZONING (LOCAL MIXED-USE)
 CHARACTER AREA: GCCO-3 (GOOSE CREEK CHARACTER OVERLAY)
 OTHER APPLICABLE OVERLAYS:
 APPLICABLE DEVELOPMENT STANDARD: TRADITIONAL
 COVERAGE DATE: 7/1/14
 STORAGE: 2 ACRES
 SQUARE FOOTAGE OF SITE:

MINIMUM REQUIRED SETBACK LINES:
 YARD FRONTING ON ANY STREET: LOCAL-30', COLLECTOR-40', ARTERIAL-50'
 SIDE YARD: 10'
 REAR YARD: 30'

OWNER: RURAL PLAINS PARTNERSHIP
 ADDRESS: 2000 MERIDIAN BLVD., SUITE 250, FRANKLIN, TN 37067
 PHONE NO.: 615-550-5583
 FAX NO.: 615-550-5579
 E-MAIL ADDRESS: ABALLASH@BOYLE.COM
 CONTACT NAME: ADAM BALLASH

APPLICANT: GRESHAM, SMITH AND PARTNERS
 ADDRESS: 1000 NASHVILLE CITY CENTER, 511 UNION ST.,
 NASHVILLE, TN 37219
 PHONE NO.: 615-770-8100
 FAX NO.: 866-712-5370
 E-MAIL ADDRESS: ROB.WHITSON@GSPNET.COM
 CONTACT NAME: ROB WHITSON, P.E. (TW112546)

MINERAL RIGHTS FOR THIS PROPERTY ARE HELD BY OWNER OF RECORD.



SITE INDEX

- CO.1 COVER SHEET AND INDEX
- CO.2 SITE NOTES
- C4.1 WATER LINE PLAN AND PROFILE
- C4.2 WATER LINE PLAN AND PROFILE
- CO.6.1 SITE DETAILS

**G R E S H A M
S M I T H A N D
P A R T N E R S**

1409 BAYVIEW DRIVE, SUITE 200
NASHVILLE, TENNESSEE 37219
TEL: 615.770.8100
WWW.GSPNET.COM

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Site Construction Plans for
Berry Farms Sec 3-4
Infrastructure Improvements
Franklin, Williamson County, Tennessee

COF# 5732



REVISION	
No.	Date - Revision
1	12/23/14 COF TAOR COMMENTS

COVER SHEET AND INDEX

CO.1

PROJECT: 26567.00
DATE: 12/23/14

CITY OF FRANKLIN
ENGINEERING DEPT
PROJECT NO. 5732
DATE: 12/31/14

THE FIRE MARSHAL SHALL DETERMINE THE LOCATIONS & SPACING OF FIRE HYDRANTS.

APPLICANT MUST PROVIDE ALL NECESSARY INFORMATION TO THE WATER AND SEWER DEPARTMENT!

APPROVED: [Signature]
DATE: 12/31/14

FEDERAL, STATE AND LOCAL APPLICANTS MUST OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES. THESE PERMITS MUST BE OBTAINED BEFORE ANY CONSTRUCTION BEGINS. THE APPLICANT MUST CONTACT THE WATER AND SEWER DEPARTMENT FOR ALL NECESSARY INFORMATION. THE APPLICANT MUST CONTACT THE WATER AND SEWER DEPARTMENT FOR ALL NECESSARY INFORMATION. THE APPLICANT MUST CONTACT THE WATER AND SEWER DEPARTMENT FOR ALL NECESSARY INFORMATION.

PROJECT DATUM:
VERTICAL DATUM PROVIDED BY TENNESSEE DEPARTMENT OF TRANSPORTATION, TENNESSEE GEODETIC REFERENCE NETWORK - GPS 27 CHARACTERISTICS TAKE OF JUNCTION OF OLD MOORES LANE ON SOUTH ROW OF MOORES LANE. ELEV. 735.67

SITE BM:
CHISLED SQUARE ON SOUTHEAST TOP EDGE WINGWALL LOCATED AT OLD PEYTONSVILLE ROAD AND PHEMILE CREEK. ELEV. 686.13



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GRESHAM
SMITH AND
PARTNERS
1400
BAYVIEW BLVD SUITE 300
NASHVILLE, TN 37203
WWW.GSP.COM

Site Construction Plans for
Batter Lane Connection
Infrastructure Improvements
Franklin, Williamson County, Tennessee



NO.	DATE	REVISION
1	12.23.14	COF PER COMMENTS

SITE NOTES

CO.2
PROJECT: 141214
DATE: 12/23/14

GENERAL UTILITY NOTES

1. WATER LINE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL CODES AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS.
3. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. UNDETECTED UTILITIES MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE.
4. THE CONTRACTOR SHALL NOTIFY THE TENNESSEE ONE-CALL SYSTEM, INC. (TOS) AT 1-800-381-1111 AND ANY NON TOS NUMBER UTILITY INDIVIDUALLY AT LEAST 3 WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DRUGGUTTING.
5. MAINTAIN 10-FOOT HORIZONTAL AND 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER SUPPLY LINES.
6. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES INCLUDING BURIED UTILITIES AND TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE TO EXISTING UTILITIES AND TO THE SURROUNDING ENVIRONMENT. COORDINATE ALL NECESSARY PERMITS FOR CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION OF ALL UTILITIES TO AVOID CONFLICTS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES PRIOR TO FINAL PAVEMENT CONSTRUCTION.
8. BACKFILL UTILITY TRENCHES UNDER PAVEMENT AREAS WITH CRUSHED STONE OR GRAVEL COMPACTED TO AT LEAST 95% OF MAXIMUM PER ASTM D698.
9. ADJUST ALL EXISTING CASTINGS TO MATCH PROPOSED FINISH GRADE.
10. THREAT BLOCK ALL WATERLINE FITTINGS WITH CONCRETE (2,500 P.S.I. MIN.) POURED AGAINST UNDISTURBED EARTH TO SUSPEND 120 PERIOD TEST PRESSURE. SPECIFIED FORM THREAT BLOTTING SO AS TO NOT DAMAGED JOINTS, BOLTS, VALVE BOXES OR DRIVING NUTS.
11. PROVIDE VENTS AT HIGH POINTS IN WATERLINE AS NECESSARY FOR EXPELLING AIR DURING TESTING AND SERVICE. LEAVE VENT COMPONENTS PLUGGED AND ATTACHED TO PIPE AFTER SUCCESSFUL TEST.
12. EXCESS MATERIAL SHALL BE DEPOSITED BY THE CONTRACTOR OFF THE OWNER'S PROPERTY AT AN APPROPRIATE COST IN A LEGAL MANNER.
13. ALL WATER MAINS SHALL BE PRESSURE CLASS 300 DP UNLESS NOTED OTHERWISE.
14. ALL FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED BETWEEN 3' AND 7' FROM PAVED SURFACE.
15. ALL UTILITY ASSEMBLIES WHICH INCLUDE AT LEAST TWO DRUGGUTS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DIMENSIONS SHALL INCLUDE VERTICAL AND HORIZONTAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXIST. UTILITIES.
16. ALL PUBLIC WATER LINE CONSTRUCTION SHALL COMPLY WITH CITY OF FRANKLIN STANDARD SPECIFICATIONS.

GRAVING, DRAINAGE AND EROSION CONTROL NOTES

1. NO TREES SHALL BE REMOVED NOR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR CONSTRUCTION. ALL TREES TO BE REMOVED SHALL BE IDENTIFIED AND APPROPRIATE PROTECTION SHALL BE PROVIDED WITHIN THE LIMITS OF THE EXISTING SITE VEGETATION OUTSIDE THE LIMITS OF GRADING.
2. IT IS THE OWNER'S INTENT TO PRESERVE ALL OF THE EXISTING SITE VEGETATION OUTSIDE THE LIMITS OF GRADING.
3. ALL TREES, INCLUDING YOUNG SAVANNAS, PINES, AND UNDERSTORY SPECIES ARE TO BE PROTECTED AND SAVED IF THEY FALL OUTSIDE THE LIMITS OF GRADING, EVEN IF THEY ARE NOT LOCATED OR IDENTIFIED ON THE SURVEY.
4. ALL EXISTING TREES SHALL BE PROTECTED BY THE CONTRACTOR. ALL EXISTING TREES SHALL BE SOWN ON THE WHOLE SITE AFTER PREPARATION, AS NOTED IN THE SPECIFICATIONS. PROTECTIVE BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING TREES. ALL EXISTING TREES SHALL BE SOWN ON THE WHOLE SITE AFTER PREPARATION, AS NOTED IN THE SPECIFICATIONS.
5. TOPSOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED TO MAINTAIN EXISTING VEGETATION. ALL EXISTING TREES SHALL BE PROTECTED BY THE CONTRACTOR. ALL EXISTING TREES SHALL BE SOWN ON THE WHOLE SITE AFTER PREPARATION, AS NOTED IN THE SPECIFICATIONS.
6. ALL GRADED AREAS SHALL BE SEEDING AND MULCHED WITHIN 15 DAYS AFTER GRADING IS COMPLETED.
7. CONSTRUCT TEMPORARY EROSION CONTROL AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING GRADING OPERATIONS.
8. ALL DRAINAGE STRUCTURES, PIPES WITHIN THE LIMITS OF CONSTRUCTION, AND DETENTION BASINS SHALL BE CLEANED AND REPAIRED PRIOR TO FINAL ACCEPTANCE.
9. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FULL.
10. ALL LOCATIONS OF TEMPORARY EROSION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ARCHITECT/ENGINEER.
11. WHEN THE TEMPORARY EROSION CONTROL DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED PURPOSE (IN THE ARCHITECT/ENGINEER'S OPINION), THEY SHALL BE REMOVED.
12. REPLACE DAMAGED AND WORN OUT SALT BARRIERS AS DIRECTED BY THE ARCHITECT/ENGINEER.
13. THE CONTRACTOR SHALL PROTECT ALL TREES DESIGNATED TO REMAIN. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE/STORE MATERIALS, WITHIN THE DRIFTLINES OF TREES.
14. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES AND LOCAL STANDARDS AT CONTRACTOR'S EXPENSE.
15. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTERFERED EXCAVATION/UTILITY TRENCHING OPERATIONS. SEE GENERAL UTILITY NOTE #4 ON SHEET CO.2 FOR PHONE NUMBER.
16. IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
17. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS.
18. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND INSERTS PRIOR TO BEGINNING WORK.
19. EXCESS MATERIAL SHALL BE DEPOSITED OFF THE CONTRACTOR OF THE OWNER'S PROPERTY AT AN APPROPRIATE COST IN A LEGAL MANNER.
20. EXISTING MANHOLE CASTINGS TO REMAIN SHALL BE RESET TO MATCH NEW GRADE.
21. UNDER LAWN AREAS SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL, COMPACTED TO 95% OF MAXIMUM PER ASTM D698.
22. ALL CUT AND FILL SLOPES TO BE 3:1 MAXIMUM.
23. SATISFACTORY TOPSOIL IS DEFINED AS SOIL BEING FREE OF SUBSOL CLAY LUMPS, STONES, OTHER OBJECTS OVER 1 INCH IN DIAMETER, OR CONTAMINANTS.
24. AFTER STRIPPING TOPSOIL, PROOFROLL SUBGRADE WITH A LOADED DUMP TRUCK WITH A MINIMUM WEIGHT OF 20 TONS.
25. FINISH GRADES TOLERANCES ARE 0.10 FOOT ABOVE OR BELOW DESIGN ELEVATIONS.
26. PROVIDE TEMPORARY SEEDING ON STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR MORE.
27. EARTHWORK FILL SHALL INCLUDE STRIPPING TOPSOIL AND PLACING ENGINEERED FILL IN MAXIMUM 8' COMPACTED LIFTS WITH DENSITY OF 95% OF MAXIMUM PER ASTM D698.
28. I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED BY ME AND/OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER. THIS WORK WILL BE IN ACCORDANCE WITH THE TENNESSEE ENGINEERING ACT AND ALL OTHER APPLICABLE RULES AND REGULATIONS. THE PROFESSIONAL SEAL IS REQUIRED FOR THE WATER LINE CONSTRUCTION PERMITS TO BE OBTAINED FOR THE WATER LINE CONSTRUCTION AT THE BATTERY LANE CONNECTION.

LAYOUT & DRAWING NOTES

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND ANKETS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, AND COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. RELOCATE IRRIGATION LINES AS NECESSARY FOR CONSTRUCTION.
3. ALL FEES PRIOR TO BEGINNING WORK WITH ALL LOCAL CODES, OBTAIN ALL PERMITS, AND PAY ALL FEES PRIOR TO BEGINNING WORK.
4. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN, IN ACCORDANCE WITH THE SPECIFICATIONS. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE, NOR STORE MATERIALS WITHIN THE DRIFTLINES OF TREES OR OUTSIDE THE LIMIT OF GRADING.
5. ALL DAMAGE TO EXISTING ASPHALT PAVEMENT TO REMAIN WHICH RESULTS FROM NEW CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE.
6. EXCESS MATERIAL SHALL BE DEPOSITED OFF BY THE CONTRACTOR OFF THE OWNER'S PROPERTY AT AN APPROPRIATE COST IN A LEGAL MANNER.
7. MAINTAIN ACCESS TO ALL EXISTING UTILITIES PRIOR TO FINAL PAVEMENT CONSTRUCTION.

COF 2014-0326
Exhibit B
PG 2 of 5

STORMWATER POLLUTION PREVENTION NOTES

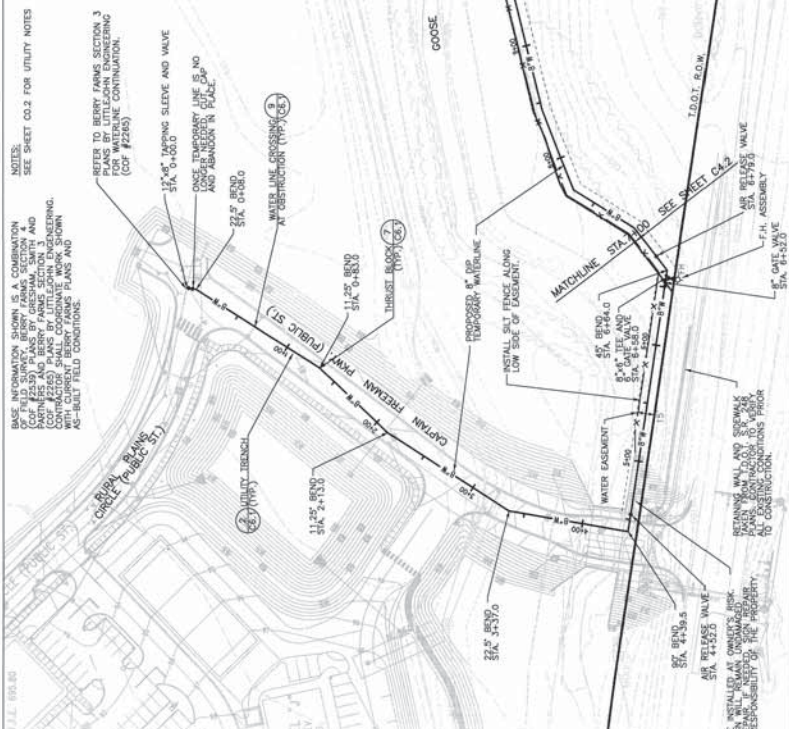
1. THE OWNER AND THE CONTRACTOR ARE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO THE TNSWPCB PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY BE SUBJECT TO THE TNSWPCB'S REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING AN ENVIRONMENTAL ASSISTANCE CENTER AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES.
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3. GRUBBING, GRADING ASSOCIATED WITH WATER LINE CONSTRUCTION, TOPSOILING, AND SEEDING.
4. THE ANTI-CORROSION FILL MATERIAL WILL CONSIST OF ON-SITE SOIL AND/OR SHOT ROCK MATERIALS.
5. THE RECEIVING WATER/STORM SEWER OPERATOR IS GOOSE CREEK AND FRANKLIN, TENNESSEE.
6. CONSTRUCTION SHALL BE SCHEDULED TO MINIMIZE EXPOSURE TIME OF CLEARED SURFACE AREA. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY EXCAVATION OR GRADING OPERATIONS. ALL EXCAVATION OPERATIONS SHALL BE REPAIRED AS NECESSARY, AND AT MAXIMUM 14 CALENDAR DAYS IN 287 PERIODS AND WITHIN 24 HOURS OF ANY RAINFALL EXCEEDING 0.5 INCH PER 24 HOUR PERIOD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING AN ENVIRONMENTAL ASSISTANCE CENTER AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES.
8. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE REMOVED MORE THAN 30 CALENDAR DAYS PRIOR TO GRADING. ALL GRADED AREAS EXPECTED TO REMAIN UNFINISHED SHALL BE SEEDING AND MULCHED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. SOIL STABILIZATION SHALL BE INSTALLED WITHIN 15 CALENDAR DAYS OF FINAL GRADING.
9. THE CONTRACTOR SHALL MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS AND REPAIRS FOR A MINIMUM OF 3 YEARS AFTER COMPLETION OF CONSTRUCTION.
10. TEMPORARY SEEDING FOR TENNESSEE PROJECTS INCLUDE THE FOLLOWING OPTIONS:
 JUN 1 - MAY 1 ITALIAN RYEGRASS/LESPEDeza/SUMMER OATS
 JUL 1 - JUN 1 ITALIAN RYEGRASS/LESPEDeza/SUMMER OATS
 AUG 1 - JUL 1 BALDWIN RYEGRASS
 SEP 1 - AUG 1 BALDWIN RYEGRASS
11. MULCHING SHALL CONSIST OF LOOSE HAY OR STRAW APPLIED AT THE RATE OF 2 TONS/ACRE, ETC. AS NECESSARY AND WHEN CAPACITY HAS BEEN REDUCED BY 50%.
12. STOCKPILES SHALL BE STABILIZED AND PROTECTED FROM EROSION.
13. UPON COMPLETION OF SITE STABILIZATION, THE OWNER AND CONTRACTOR SHALL PROVIDE A NOTICE OF TERMINATION (NOT) FOR THE PROJECT TO THE LOCAL ENVIRONMENTAL ASSISTANCE CENTER. A COPY OF THE (NOT) SHALL BE PROVIDED TO THE ENGINEER.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING AN ENVIRONMENTAL ASSISTANCE CENTER AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ENVIRONMENTAL ASSISTANCE CENTER AT ALL TIMES.

[Signature]
REGISTERED ENGINEER
DATE: 12/23/14

SIGNATURE _____ DATE _____

COF 2014-0326
Exhibit B
PG 3 of 5

12/31/14
APPROVED UNDER THE STATE WATER USE ACT OF 1980
APPROVAL BY: *Paul P. Pagan*
DATE: 12/31/14
CITY OF FRANKLIN, TENNESSEE



CITY OF FRANKLIN
ENGINEERING DEPT.
12/31/14
DATE: 12/31/14



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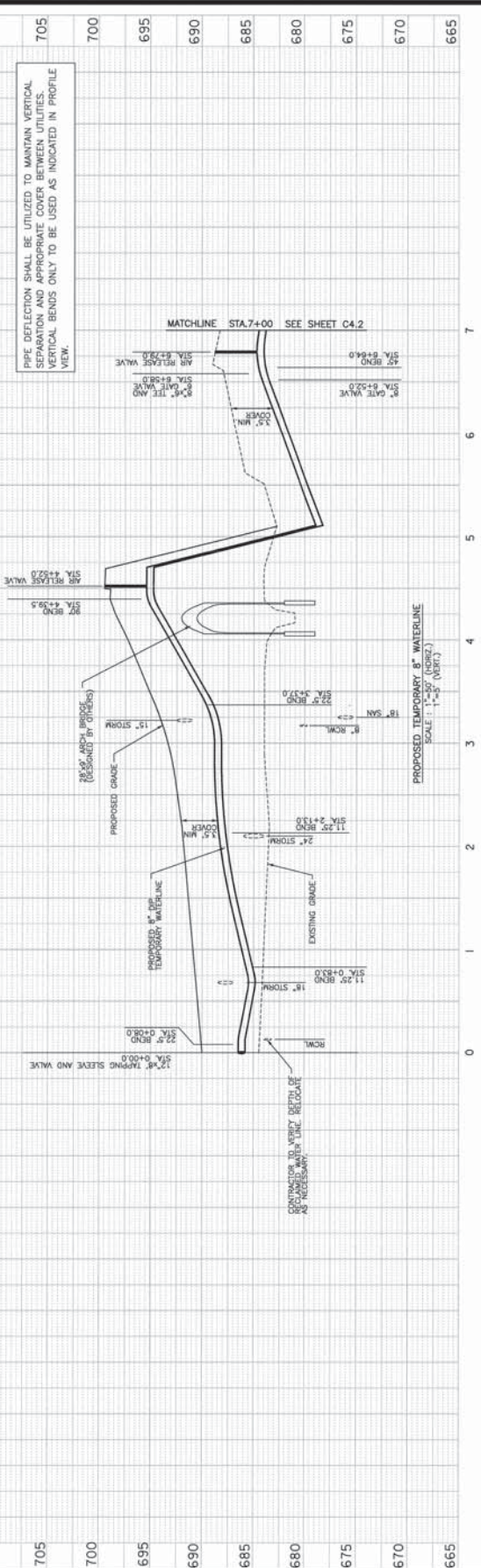
GRESHAM SMITH AND PARTNERS
 1400 8th Avenue, Suite 2000
 Nashville, Tennessee 37203
 615.259.3339
 www.gshamp.com

Site Construction Plans for Berry Farms Sec 3-4
 Infrastructure Improvements
 Franklin, Williamson County, Tennessee



REVISION	
No.	Desc - Revision
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WATER LINE PLAN AND PROFILE
C4.1
 PROJECT: 2014-0326
 DATE: 12/31/14



PIPE DEFLECTION SHALL BE UTILIZED TO MAINTAIN VERTICAL SEPARATION AND APPROPRIATE COVER BETWEEN UTILITIES. VERTICAL BENDS ONLY TO BE USED AS INDICATED IN PROFILE VIEW.

PROPOSED TEMPORARY 8" WATERLINE
 SCALE: 1"=30' (VERT.)

PROPOSED DATUM PROVIDED BY TENNESSEE DEPARTMENT OF TRANSPORTATION, TENNESSEE LOCATED 0.15 MI. EAST OF JUNCTION OF I-45 LANL. ELEV. 725.67

5 SITE BM SQUARE ON SOUTHEAST TOP EDGE OF WINDOW WALL LOCATED AT OLD PETROSVILLE ROAD AND FYNOMLE CREEK, ELEV. 688.13

BERRY FARMS ENTRY SIGN TO BE INSTALLED AT OWNER'S RISK. CONTRACTOR SHALL VERIFY DEPTH OF SIGN FOUNDATION AND PROVIDE APPROPRIATE REPAIRS TO CONSTRUCTION. CONTRACTOR WILL BE THE RESPONSIBILITY OF THE PROPERTY TO CONSTRUCTION.

INSTALL 6\"/>

REFER TO BERRY FARMS SECTION 3 FOR WATERLINE CONTINUATION.
 12\"/>



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MEMPHIS, TENNESSEE 38159
WWW.GS&P.COM

Site Construction Plans for
Berry Farms Sec 3-4
Infrastructure Improvements
Franklin, Williamson County, Tennessee

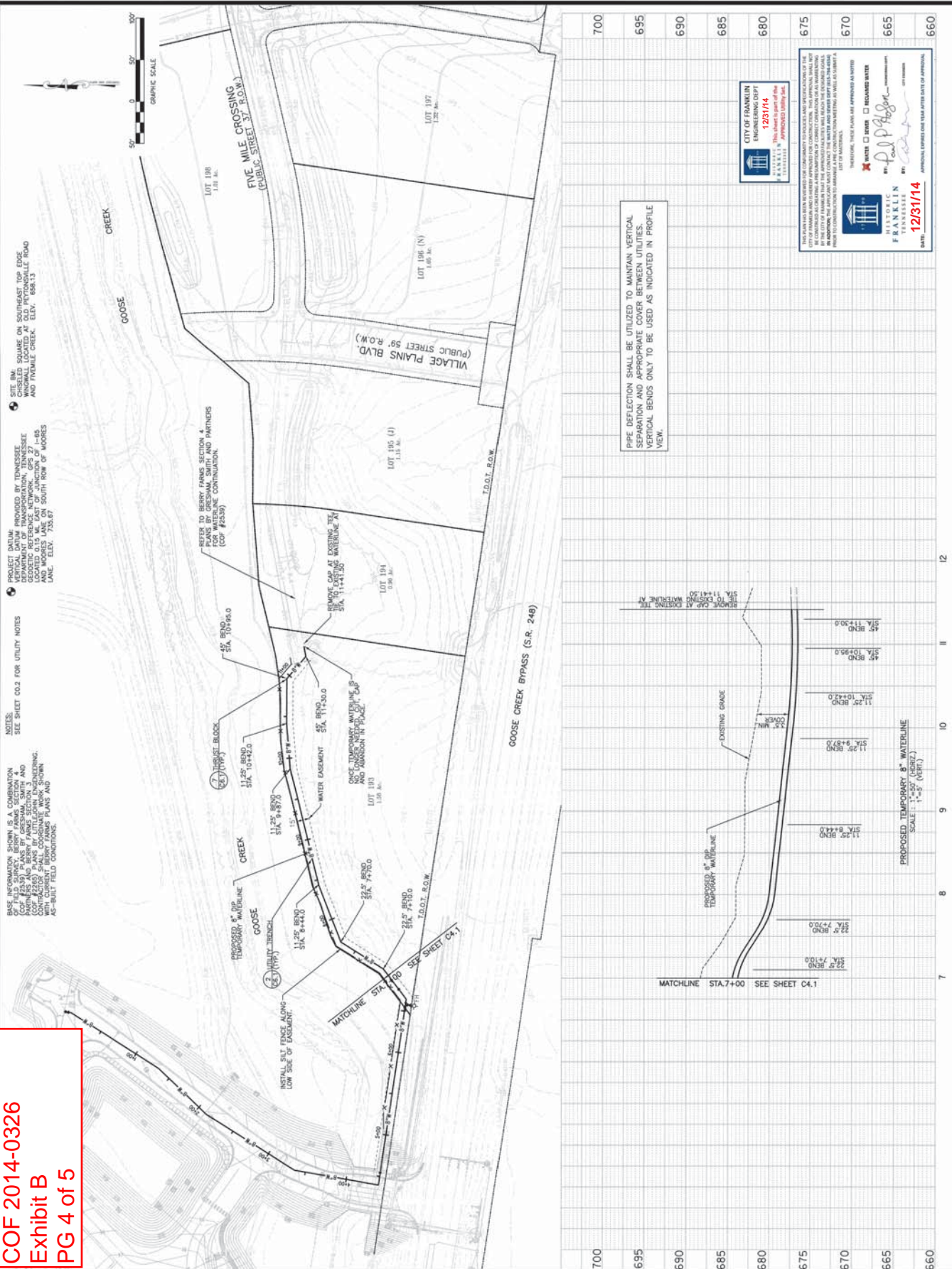
COP # **6732**



REVISION	
No.	Date - Revision
1	12.23.14 COMMENTS

WATER LINE PLAN AND PROFILE
C4.2

PROJECT: 201403-0326-4 WP1
DATE: 10.24.14



PROJECT DATUM: FRANKLIN, TENNESSEE
DEPARTMENT OF TRANSPORTATION, TENNESSEE
GEODETIC REFERENCE SYSTEM: NAD 83
ELEVATION: 1283.14
ANAL. ELEV.: 732.67

NOTES:
BASE INFORMATION SHOWN IS A COMBINATION
OF COF #2230 PLANS BY GRESHAM SMITH AND
PARTNERS, COF #2265 PLANS BY UTILTIUM ENGINEERING,
COF #2240 PLANS BY UTILTIUM ENGINEERING,
AND CURRENT BERRY FARMS PLANS AND
AS-BUILT FIELD CONDITIONS.

NOTES:
SEE SHEET C4.2 FOR UTILITY NOTES

SITE IM:
SHELDED SQUARE ON SOUTHEAST TOP EDGE
OF LOTS 188, 189, 190, 191, 192, 193, 194,
AND FIVE MILE CREEK. ELEV. 698.13

PREFER TO BERRY FARMS SECTION 4
FOR WATERLINE CONTINUATION.
(COP #2539)

REMOVE COP AT EXISTING TER
STA. 7+14.50

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PROPOSED 8" OR
LARGER
TEMPORARY WATERLINE

EXISTING GRADE

PROPOSED 8" OR
LARGER
TEMPORARY WATERLINE

EXISTING GRADE

PROPOSED 8" OR
LARGER
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PROPOSED 8" OR
LARGER
TEMPORARY WATERLINE

EXISTING GRADE

PROPOSED 8" OR
LARGER
TEMPORARY WATERLINE

EXISTING GRADE

COF 2014-0326
Exhibit B
PG 4 of 5

SCALE: 1"=20' (HORIZ.)
SCALE: 1"=5' (VERT.)

APPROVED FOR THE CITY OF FRANKLIN
DATE: 12/23/14

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DATE: 12/23/14

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APPROVED FOR THE CITY OF FRANKLIN
DATE: 12/23/14

COF 2014-0326
 Exhibit B
 PG 5 of 5

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
FIRE HYDRANT SETTING

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

W-2

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
BEDDING AND BACKFILLING FOR PRESSURE LINES

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

G-9

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
WATER LINE CROSSING UNDER OBSTRUCTIONS

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

3

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
AIR RELEASE ASSEMBLY FOR WATER MAINS

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

4

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 NASHVILLE, TENNESSEE 37203
 615.259.6900
 WWW.GSANDP.COM

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
VALVE BOX SETTING

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

W-1

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
CONCRETE VALVE BOX

WATER MANAGEMENT DEPARTMENT
 FRANKLIN, TENNESSEE

G-1

TABLE OF DIMENSIONS FOR CONCRETE BLOCKING

SIZE	12" x 12" x 16"	12" x 12" x 20"	12" x 12" x 24"	12" x 12" x 28"	12" x 12" x 32"	12" x 12" x 36"	12" x 12" x 40"	12" x 12" x 44"	12" x 12" x 48"	12" x 12" x 52"	12" x 12" x 56"	12" x 12" x 60"
MIN. THICKNESS	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
MIN. HEIGHT	16"	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"
MIN. WIDTH	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
MIN. LENGTH	16"	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"
MIN. WEIGHT	120	160	200	240	280	320	360	400	440	480	520	560

CONCRETE THRUST BLOCKING

1. THIS TABLE IS BASED ON AN INTERNAL HYDROSTATIC PRESSURE OF 100 PSI AND AN ALLOWABLE SOIL BEARING CAPACITY OF 4,000 PSF. THIS IS THE MINIMUM DIMENSION OF BLOCKING EVEN THOUGH THE PRESSURE IS LESS THAN 100 PSI.

2. SHOULD THE INTERNAL HYDROSTATIC PRESSURE EXCEED 100 PSI AND/OR THE ALLOWABLE SOIL BEARING CAPACITY BE LESS THAN 4,000 PSF, THE DIMENSIONS OF THE BLOCKING SHOULD BE INCREASED TO SUPPORT THE EXCESSIVE PRESSURE. CALCULATIONS TO SUPPORT THE INCREASED SIZE SHOULD BE PROVIDED.

3. BLOCKING SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION AT THE POINTS OF THE PIPE CROSSING UNDER OBSTRUCTIONS AND AT THE POINTS OF THE PIPE CROSSING UNDER OBSTRUCTIONS IN THE SCHEDULE OF A PROJECT. FOR A LARGER PROJECT CONTRACT, A PLAN AND SECTION FOR CONCRETE BLOCKING APPLICABLE TO THE PROJECT SHALL BE PROVIDED FOR THRUST BLOCKING.

4. ALL BLOCKING SHALL BE INSTALLED AS SHOWN IN THIS DETAIL AND SHALL BE AS DIRECTED BY THE A/E.

OCT. 2020

271-B

CONCRETE THRUST BLOCKING

FOR DIMENSIONS SEE 271-B

OCT. 2020

271-A

REVISION

No.	Date	Revision
1	12.23.14	COMMENTS

WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
Water Line Connection
Site Construction Plans for Berry Farms Sec 3-4

FRANKLIN, TENNESSEE COUNTY, TENNESSEE

PROJECT: 1023414
 DATE: 10/23/14

C6.1