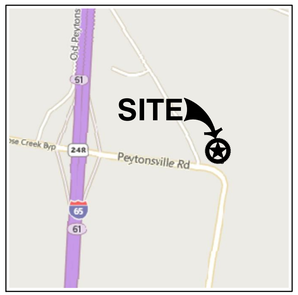
FRANKLIN FIRE DEPARTMENT STATION 7
SITE PLAN SUBMITTAL

CITY OF FRANKLIN, WILLIAMSON COUNTY, TENNESSEE

SITE PLAN

JUNE 2018

PEYTONSVILLE ROAD
FRANKLIN, TN 37064
TAX MAP 117C, PARCEL 117---02700
COF # 6718



NORTH

VICINITY MAP
SCALE IN FEET
0 1000 2000

CONTACT LIST

WATER MANAGEMENT
CITY OF FRANKLIN
124 LUMBER DRIVE
FRANKLIN, TN 37064
PHONE: 615-794-4554
CONTACT: BEN McNEIL
E-MAIL: ben.mcneil@franklintn.gov

FIRE SERVICE
FRANKLIN FIRE DEPARTMENT
109 THIRD AVENUE SOUTH, SUITE 133
FRANKLIN, TN 37064
PHONE: 615-791-3270
CONTACT: GEOFF WOOLARD
E-MAIL: geoffw@franklintn.gov

ELECTRIC SERVICE
MTEMC
2156 EDWARD CURD LANE
FRANKLIN, TN 37067
PHONE: 615-4595-4685
CONTACT: ROGER JENKINS
E-MAIL: rjenkins@mtemc.com

GAS SERVICE
ATMOS ENERGY
200 NOAH DRIVE
FRANKLIN, TN 37064
PHONE: 615-794-2596
CONTACT: FRED NEU
E-MAIL: fred.neu@atmosenergy.com

CABLE TV SERVICE
COMCAST CABLE
660 MAINSTREAM DRIVE
NASHVILLE, TN 37228
PHONE: 615-244-7462, EXT. 1115647
CONTACT: MARLON FRIZZELL
E-MAIL: marlon_frizzell@cable.comcast.com

TELEPHONE SERVICE
AT&T
500 LIBERTY PIKE
FRANKLIN, TN 37064
PHONE: 615-595-7816
CONTACT: DAVID TUTTEROW
E-MAIL: dt8243@att.com

PLANNING & ZONING
FRANKLIN PLANNING & SUSTAINABILITY DEPARTMENT
109 THIRD AVENUE SOUTH
FRANKLIN, TN 37064
PHONE: 615-550-6977
CONTACT: JOSH KING
E-MAIL: josh.king@franklintn.gov

STORM WATER FACILITIES
FRANKLIN ENGINEERING DEPARTMENT
109 THIRD AVENUE SOUTH
FRANKLIN, TN 37064
PHONE: 615-550-6651
CONTACT: JEFF WILLOUGHBY
E-MAIL: jeff.willoughby@franklintn.gov

BASIS OR BEARINGS

BEARINGS ARE BASED ON TENNESSEE STATE PLANE COORDINATE SYSTEM (NAD83).

FLOOD NOTE

THE PROPERTY SHOWN HEREON IS LOCATED IN A FLOOD HAZARD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER THE FEMA FLOOD INSURANCE RATE MAPS, COMMUNITY MAP NO. 470204, PANEL NUMBER 0355, SUFFIX F, EFFECTIVE DATE SEPTEMBER 29, 2006.

UTILITY NOTE

AVAILABLE PLANS AND OBSERVED EVIDENCE WAS USED TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. UTILITIES MAY EXIST THAT ARE NOT SHOWN.

SPECIFICATION NOTE

PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF FRANKLIN STANDARD SPECIFICATIONS.

Know what's below.
Call before you dig.

NOTE TO CONTRACTOR:

1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

SITE LOCATION MAP
SCALE IN FEET
0 100 200

DEVELOPER
CITY OF FRANKLIN
109 THIRD AVENUE SOUTH
FRANKLIN, TN 37064
CONTACT: BRAD WILSON
PHONE: 615-550-6628
EMAIL: brad.wilson@franklintn.gov

ENGINEERING / LANDSCAPE ARCHITECT
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
325 SEABOARD LANE, SUITE 170
FRANKLIN, TN 37067
CONTACT: BERT MORTON, P.E.
PHONE: 615-333-7797
EMAIL: bmorton@cecinc.com
CONTACT: JAY CAMELI, R.L.A.
EMAIL: jcameli@cecinc.com

ARCHITECT
RENAISSANCE GROUP, INC.
9700 VILLAGE CIRCLE, SUITE 100
LAKELAND, TN 38002
CONTACT: MICHAEL TERRY, A.I.A.
PHONE: 901-332-5533
EMAIL: mterry@rgroup.com

SURVEYOR
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
325 SEABOARD LANE, SUITE 170
FRANKLIN, TN 37067
CONTACT: STEPHEN VANDERHORST, R.L.S.
PHONE: 615-333-7797
EMAIL: svanderhorst@cecinc.com

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
C0.0	COVER SHEET
C1.0	OVERALL EXISTING CONDITIONS PLAN
C1.1	ENLARGED EXISTING CONDITIONS PLAN
C1.2	DEMOLITION PLAN
C2.0	OVERALL SITE PLAN
C2.1	ENLARGED SITE PLAN
C2.2	SITE DETAILS
C2.3	SITE DETAILS
C3.0	OVERALL GRADING & DRAINAGE PLAN
C3.1	ENLARGED GRADING PLAN
C3.2	ENLARGED DRAINAGE PLAN
C3.3	INITIAL EPSC & PRE-CONSTRUCTION PLAN
C3.4	INTERIM EPSC & CONSTRUCTION PLAN
C3.5	FINAL EPSC & WATER QUALITY PLAN
C3.6	GRADING AND DRAINAGE DETAILS
C3.7	GRADING AND DRAINAGE DETAILS
C3.8	EPSC DETAILS
C3.9	EPSC DETAILS
C4.0	RIGHT OF WAY & ACCESS PLAN
C4.1	AUTOTURN PLAN - FIRE TRUCK
C4.2	AUTOTURN PLAN - FIRE TRUCK [FUTURE]
C4.3	AUTOTURN PLAN - TRASH TRUCK
C4.4	AUTOTURN PLAN - TRASH TRUCK [FUTURE]
C4.5	FIRE STATION ROAD PLAN, PROFILE, & SECTIONS
C4.6	R.O.W. AND ACCESS DETAILS
C5.0	OVERALL UTILITY PLAN
C5.1	ENLARGED UTILITY PLAN
C5.2	SEWER AND RECLAIMED WATER DETAILS
C5.3	WATER DETAILS
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE NOTES AND DETAILS
E0.2	SITE PLAN - PHONOMETRICS
E0.3	SITE LIGHTING FIXTURE DETAILS
E0.4	SITE LIGHTING FIXTURE DETAILS
E0.5	SITE LIGHTING FIXTURE DETAILS
A3.1	EXTERIOR ELEVATIONS

COF #: 6718

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

JAY JOHN CAMELI — REGISTERED LANDSCAPE ARCHITECT — TENNESSEE NO. 662 — FORMERLY — 6/7/2018 — LANDSCAPE ARCHITECT

ROBERT G. MORTON — REGISTERED ENGINEER — No. 108302 — FORMERLY — 6/7/2018 — STATE OF TENNESSEE

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

COVER SHEET

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-432
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.:
C0.0

P:\2018\180-432\~CAD\[Arq]\c01 site plan submittal\180432-C000-C03.dwg[C0.0] LS:6/6/2018 - (jennings) - LP: 6/7/2018 1:01 PM

NORTH

STORMWATER OUTFALL 1
PRE-DEVELOPMENT GRADING & DRAINAGE DATA CHART
(GRASSED CHANNEL)

SITE AREA:	6.60 AC
IMPERVIOUS AREA:	0.76 AC
WEIGHTED CN:	68
PRE-DEVELOPMENT PEAK FLOW RATES:	
2-YEAR:	8.28 CFS
5-YEAR:	15.93 CFS
10-YEAR:	21.49 CFS
25-YEAR:	28.97 CFS
50-YEAR:	34.74 CFS
100-YEAR:	40.55 CFS
DOWNSTREAM CAPACITY:	61.5 CFS

AREA OF ANALYSIS
PRE-DEVELOPMENT GRADING & DRAINAGE DATA CHART

SITE AREA:	1.86 AC
IMPERVIOUS AREA:	0 AC
WEIGHTED CN:	64
PRE-DEVELOPMENT PEAK FLOW RATES:	
2-YEAR:	1.86 CFS
5-YEAR:	3.92 CFS
10-YEAR:	5.46 CFS
25-YEAR:	7.59 CFS
50-YEAR:	9.19 CFS
100-YEAR:	10.85 CFS

SEWER MANHOLE TOP RIM = 743.34
I.E. IN 8" PVC (S)= 734.60
I.E. OUT 8" PVC (N)= 734.40

24" CMP
INV.= 734.77

PAVED DRIVE

24" CMP
INV.= 741.89

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

SEWER MANHOLE TOP RIM = 750.70
I.E. IN 8" PVC (S)= 741.22
I.E. OUT 8" PVC (N)= 741.12

CP #1
N:557185.06
E:1723694.19
Z:752.96

CP #2
N:556600.70
E:1723506.52
Z:755.43

APPROXIMATE LOCATION OF RECLAIMED WATER PIPE

A = 287298 SF
IMP = 33252 SF
WOODS = 21731 SF
GRASS = 232315 SF
Tc = 8.6 MINUTES

SEWER MANHOLE TOP RIM = 777.37
I.E. IN 8" PVC (SE)= 769.53
I.E. OUT 8" PVC (W)= 769.41

CHANNEL FLOW
L=162'
S=0.025
A=3 SF
n=0.035

SEWER MANHOLE TOP RIM = 758.93
I.E. IN 8" PVC (E)= 749.47
I.E. OUT 8" PVC (N)= 749.37

PETRO EXPRESS PROPERTIES LLC
4404 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C
PARCEL: 117-02600-00010117
DB 4689, PG 694
TOTAL LOT AREA: 4.9 AC +/-
108 COMMERCIAL

INV.= 753.95

757.07 CBH

763.44 CBH

VET CMP
INV.= 769.85

VETERINARY SPECIALTY PROPERTIES, LLC
4418 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02700-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.84 AC +/-
108 COMMERCIAL

20' UTILITY EASEMENT (TO BE ABANDONED)

CHANNEL FLOW
L=95'
S=0.024
A=9 SF
n=0.035

10" CMP
INV.= 769.18

40' UTILITY EASEMENT (TO BE ABANDONED)

A = 32782 SF
IMP. = 1451 SF
GRASS = 31337 SF

20' UTILITY EASEMENT

20' UTILITY EASEMENT

APPROXIMATE LIMITS OF 500 FT BUFFER TO HILLSIDE OVERLAY

PEYTONSVILLE ROAD (MAJOR/ COLLECTOR)

S 04°28'25" E 92.81

N 11°44'45" E 92.50'

N 11°21'21" E 82.81'

S 83°43'35" E 137.70'

A = 47658 SF
IMP. = 8014 SF
WOODS = 8915 SF
GRASS = 30729 SF

40' UTILITY EASEMENT

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117I, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

CHANNEL FLOW
L=168'
S=0.012
A=8 SF
n=0.035

GRASS DRIVE

18" RCP
INV.= 767.82

18" RCP
INV.= 767.14

18" RCP
INV.= 764.66

18" RCP
INV.= 764.31

MAILBOX

WOODSIDE, RAYMOND
4420 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02900-00010117
TOTAL LOT AREA: 2.92 AC +/-
100 RESIDENTIAL

CAPACITY= 12.42
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)

APPROXIMATE LIMITS OF 500 FT BUFFER TO HILLSIDE OVERLAY

STORMWATER OUTFALL 2
PRE-DEVELOPMENT GRADING & DRAINAGE DATA CHART
(GRASSED CHANNEL TO 18"RCP)

SITE AREA:	0.98 AC
IMPERVIOUS AREA:	0.03 AC
WEIGHTED CN:	59
PRE-DEVELOPMENT PEAK FLOW RATES:	
2-YEAR:	0.51 CFS
5-YEAR:	1.38 CFS
10-YEAR:	2.05 CFS
25-YEAR:	3.01 CFS
50-YEAR:	3.79 CFS
100-YEAR:	4.54 CFS
DOWNSTREAM CAPACITY:	18.2 CFS
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)	

STORMWATER OUTFALL 3
PRE-DEVELOPMENT GRADING & DRAINAGE DATA CHART
(GRASSED CHANNEL TO 18" RCP)

SITE AREA:	1.09 AC
IMPERVIOUS AREA:	0.18 AC
WEIGHTED CN:	58
PRE-DEVELOPMENT PEAK FLOW RATES:	
2-YEAR:	0.71 CFS
5-YEAR:	1.92 CFS
10-YEAR:	2.85 CFS
25-YEAR:	4.17 CFS
50-YEAR:	5.21 CFS
100-YEAR:	6.28 CFS
DOWNSTREAM CAPACITY:	17.6 CFS
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)	

SHEET FLOW
L=100'
S=0.17
GRASS

SHALLOW CONCENTRATED FLOW
L=857'
S=0.12
UNPAVED

SHEET FLOW
L=100'
S=0.10
GRASS

SHALLOW CONCENTRATED FLOW
L=394'
S=0.12
UNPAVED

SHEET FLOW
L=100'
S=0.10
GRASS

SHALLOW CONCENTRATED FLOW
L=275'
S=0.14
UNPAVED

APPROXIMATE CITY OF FRANKLIN CORPORATE LIMITS

APPROXIMATE LIMITS OF HILLSIDE/HILLCREST OVERLAY DISTRICT

LIMITS OF FIELD RUN TOPO BY OTHERS

CHAPTER 2 INVESTMENTS LLC
4331 LONG LANE, FRANKLIN, TN 37064
MAP: 106N, 117C
PARCEL: 117-03201-00010117
DB 6991, PG 585
TOTAL LOT AREA: 58 AC +/-
111 AGRICULTURAL

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

SrD3 MhD2 MhE2 StC2 ArC2 AcD2 MnE AmC3 StC2 StB2 ArB2 Rc HpB ArB2

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- 810 EXISTING INDEX CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- OH-W EXISTING OVERHEAD ELECTRIC LINE
- UG-E EXISTING UNDERGROUND ELECTRIC
- UG-T EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- ET EXISTING TRANSFORMER
- U EXISTING UTILITY BOX
- U EXISTING UTILITY MANHOLE
- W EXISTING UNDERGROUND WATER LINE
- W EXISTING WATER METER
- EXISTING FIRE HYDRANT
- W EXISTING WATER VALVE
- W EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- ST EXISTING STORM SEWER LINE
- SAN EXISTING SANITARY SEWER LINE
- S EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- FO EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- 24" OAK EXISTING TREE
- EXISTING TREE LINE
- EXISTING SURVEY CONTROL POINT
- RECLAIM RECLAIM WATER LINE
- EXISTING SOIL TYPE BOUNDARY
- AcD2 EXISTING SOIL TYPE LABEL

SOIL TYPE TABLE

MAP UNIT SYMBOL	MAP UNIT NAME
AcD2	ARMOUR CHERTY SILT LOAM, 12 TO 20 PERCENT SLOPES
ArB2	ARMOUR SILT LOAM 2 TO 5 PERCENT SLOPES
ArC2	ARMOUR SILT LOAM, 2 TO 12 PERCENT SLOPES
AtC3	ARMOUR SILTY CLAY LOAM, 5 TO 12 PERCENT SLOPES
BrC2	BRAXTON CHERTY SILT LOAM, 5 TO 12 PERCENT SLOPES
BrD2	BRAXTON CHERTY SILT LOAM, 12 TO 20 PERCENT SLOPES
BsD3	BRAXTON CHERTY SILTY CLAY LOAM, 12 TO 20 PERCENT SLOPES
Gu	GULLIED LAND
HpB	HUMPHREYS GRAVELLY SILT LOAM, 2 TO 5 PERCENT SLOPES
Hu	HUNTINGTON SILT LOAM, PHOSPHATIC
MhD2	MIMOSA GRAVELLY SILT LOAM, 12 TO 20 PERCENT SLOPES
MhE2	MIMOSA GRAVELLY SILT LOAM, 20 TO 35 PERCENT SLOPES
MnE	MIMOSA-ROCK OUTCROP COMPLEX, 20 TO 40 PERCENT SLOPES
MoD	ASHWOOD-MIMOSA-ROCK OUTCROP COMPLEX, 5 TO 15 PERCENT SLOPES
Rc	ROCKLAND
SrC3	STIVERSVILLE CLAY LOAM, 2 TO 12 PERCENT SLOPES
StB2	STIVERSVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES
StC2	STIVERSVILLE SILT LOAM, 5 TO 12 PERCENT SLOPES
StD2	STIVERSVILLE SILT LOAM, 12 TO 20 PERCENT SLOPES
W	WATER

EXISTING CONDITIONS GRADING AND DRAINAGE NOTE:

CONTRIBUTING DRAINAGE AREA WILL BE AFFECTED BY CONSTRUCTION OF GOOSE CREEK EXTENSION. DESIGN OF GOOSE CREEK WILL INCLUDE LOCAL DRAINAGE ANALYSIS.

COF #: 6718

REFERENCE NOTE:

1. SURVEY WAS PERFORMED BY JERRY TABERS ON 1/5/2016. BASIS OF CONTROL WAS DERIVED FROM OPUS-RS SOLUTION USING NAD 83(2011) AND NAVD88 (GEIOD 12B) WITH COORDINATED VALUES TO STATE PLANE COORDINATE SYSTEM ZONE 5301, FIPSZONE 4100.
2. SURVEY BY CEC WAS PERFORMED ON 4/9/2018 – 4/12/20

ZONING OVERVIEW:

1. ZONING DISTRICT: CI – CIVIC AND INSTITUTIONAL DISTRICT
   ADJACENT ZONING:
   NORTH – CI – CIVIC AND INSTITUTIONAL DISTRICT
   SOUTH – SD-V – SPECIFIC DEVELOPMENT-VARIETY
   EAST – CI – CIVIC AND INSTITUTIONAL DISTRICT
   WEST – GC – GENERAL COMMERCIAL DISTRICT
2. ZONING OVERLAY DISTRICTS – 500' BUFFER OF HILLSIDE/HILLCREST OVERLAY DISTRICT
3. CHARACTER AREA – GOOSE CREEK
4. STANDARDS – EITHER STANDARD APPLIES – GCCO-4D

MINERAL RIGHTS STATEMENT:

PROPERTY TITLE DOES NOT REFERENCE ANY MINERAL RIGHTS ON THE SUBJECT PROPERTY.

STORMWATER NARRATIVE:

STORMWATER DRAINS OVERLAND ON THIS GRASSED/PARTIALLY WOODED PROPERTY. STORMWATER ON THE FIRE STATION SITE WILL BE TREATED ON SITE PRIOR TO DISCHARGE OFFSITE DRAINAGE FROM THE ACCESS ROAD CONSTRUCTION WILL BYPASS THE SITE, BUT IS NOT CALCULATED TO EXCEED DOWNSTREAM CHANNEL CAPACITY.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED PROFESSIONAL ENGINEER
No. 109302
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 60 120

811 Know what's below. Call before you dig.

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REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

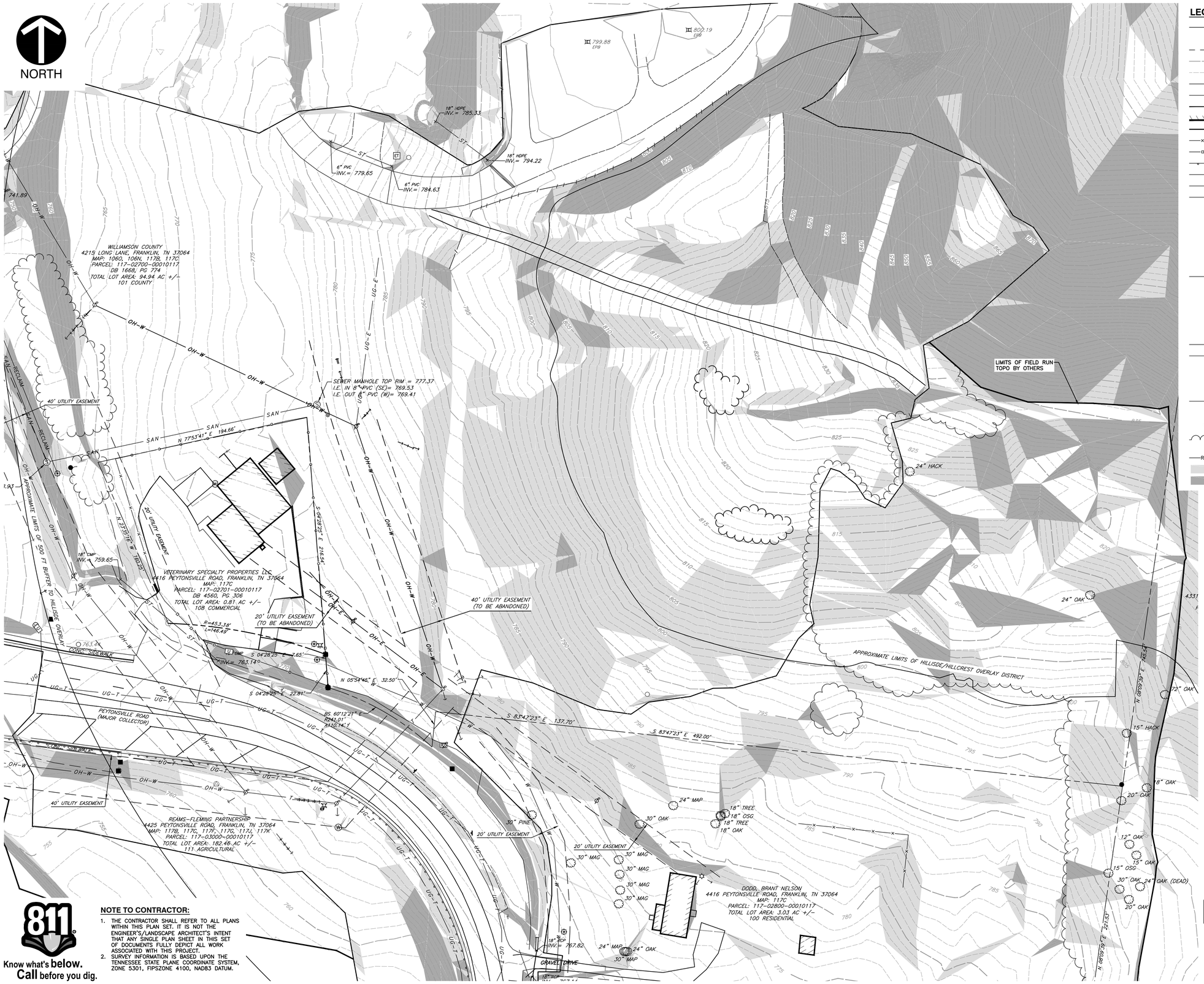
OVERALL EXISTING CONDITIONS PLAN

DRAWN BY:	PEC
DATE:	JUNE 2018
CHECKED BY:	EJG
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.: C1.0

p:\2018\180-832\...\civil plan submittal\180832-OVR0-C1.0.dwg(C1.0) | LS(6/7/2018 - smorton) - LP: 6/7/2018 4:02 PM

NORTH



LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
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- EXISTING UTILITY MANHOLE
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- EXISTING WATER VALVE
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- EXISTING SIGN
- EXISTING BOLLARD
- FO — EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- 24" OAK — EXISTING TREE
- EXISTING TREE LINE
- EXISTING SURVEY CONTROL POINT
- RECLAIM — RECLAIM WATER LINE
- EXISTING 14%-19% SLOPE
- EXISTING SLOPE 20% OR GREATER

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

COF #: 6718

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FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON XVI — REGISTERED ENGINEER — No. 108302 — STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

811 Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

ENLARGED EXISTING CONDITIONS PLAN

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C1.1

J:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVSD-C1.0.dwg[C1.1] LS:6/7/2018 - bmorton) - LP: 6/7/2018 4:02 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106D, 106H, 117B, 117C
PARCEL: 117-02700-00010117
DB 166B, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

REMOVE GUY WIRES
(COORDINATE WITH MTEMC)

REMOVE OVERHEAD WIRE
(COORDINATE WITH MTEMC)

40' UTILITY EASEMENT

N 77°53'41" E 194.66'

20' UTILITY EASEMENT

N 23°35'16" W 160.25'

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

20' UTILITY EASEMENT
(TO BE ABANDONED)

R=453.38'
L=146.49'

S 04°28'25" E 7.65'

N 05°54'45" E 32.50'

S 04°28'25" E 22.81'

BS: 60°12'21" E
R241.01'
A110.14'

PEYTONSVILLE ROAD
(MAJOR COLLECTOR)

40' UTILITY EASEMENT

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

REMOVE SIGNS

40' UTILITY EASEMENT
(TO BE ABANDONED)

EXISTING RIGHT OF WAY
TO BE RELOCATED
(SEE SHEET C2.0)

RELOCATE OVERHEAD WIRES
(COORDINATE WITH MTEMC)

S 83°47'23" E 137.70'

S 83°47'23" E 492.00'

20' UTILITY EASEMENT

20' UTILITY EASEMENT

SEWER MANHOLE TOP RIM = 777.37
I.E. IN (8" PVC (SE))= 769.53
I.E. OUT (8" PVC (W))= 769.41

LIMITS OF CEC
FIELD RUN TOPO

LIMITS OF FIELD RUN
TOPO BY OTHERS

REMOVE TREES

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

N 08°09'39" E 145.43'

N 08°09'39" E 221.33'

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- EXISTING UTILITY BOX
- EXISTING UTILITY MANHOLE
- EXISTING UNDERGROUND WATER LINE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- EXISTING SURVEY CONTROL POINT
- TO BE REMOVED
- TO BE REMOVED

NOTE TO CONTRACTOR:

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PRELIMINARY
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*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109280
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 67.18

DEMOLITION PLAN

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C1.2

I:\2018\180-832\1-CAD\Dwg\cv01 site plan submittal\180832-C000-C1.2.dwg[C1.2] LS(6/6/2018 - (jenning)) - LP, 6/7/2018 4:02 PM

NORTH

NOTES:

1. ALL RADII ARE 3' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

OVERALL SITE DATA:

1. EXISTING/PROPOSED ZONING: CIVIC AND INSTITUTIONAL DISTRICT (CI).
2. PROPOSED USE: FIRE STATION (ALLOWABLE BY RIGHT).
3. CHARACTER AREA OVERLAY: GCCO-4d (GOOSE CREEK CHARACTER AREA).
4. OTHER APPLIANCE OVERLAY: 500 FOOT BUFFER OF HILLSIDE/HILLCREST OVERLAY DISTRICT:
   - BUILDING HEIGHT IN STORIES (MAX.): 1
   - LANDSCAPE SURFACE RATIO (LSR) (MIN.): 0.30
   - FRONT YARD AND SIDE STREET SETBACK (FEET): 20
   - SIDE YARD SETBACK (FEET): 10
   - REAR YARD SETBACK (FEET): 25
5. APPLICABLE DEVELOPMENT STANDARD: EITHER STANDARD APPLIES.
6. SITE ACREAGE: 1.85 AC.

BUILDING SQUARE FOOTAGE:

- RESIDENTIAL: N/A
- COMMERCIAL: N/A
- PUBLIC: 15,000 +/-

PARKING:

- DETERMINED BY CITY ENGINEER TO BE 25 SPACES
- ACCESSIBLE PARKING: 1 VAN SPACE + 1 STANDARD ADA SPACE.

REFERENCE:

BOUNDARY, TOPOGRAPHIC, AND EASEMENT INFORMATION SHOWN IS BASED UPON INFORMATION SENT TO CEC BY THE CITY OF FRANKLIN IN FEBRUARY 2018. THIS INFORMATION COMES FROM A VARIETY OF SOURCES.

DEVELOPER: CITY OF FRANKLIN
CONTACT: BRAD WILSON
190 3RD AVENUE SOUTH
FRANKLIN, TN 37064
615-550-6628

APPLICANT: CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
CONTACT: BERT MORTON, P.E.
325 SEABOARD LANE, SUITE 170
FRANKLIN, TN 37067
615-333-7797

DESIGN CONCEPTS/STANDARDS:

THE DESIGN CONCEPT IS TO DEVELOP NEW FIRE STATION FOR THE FRANKLIN FIRE DEPARTMENT.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- EXISTING UTILITY BOX
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- EXISTING WATER METER
- EXISTING FIRE HYDRANT
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- EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
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- EXISTING BOLLARD
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- EXISTING SURVEY CONTROL POINT
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- PROPOSED EDGE OF ROAD
- PROPOSED EXTRUDED CURB
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TRUNCATED DOMES
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED ACCESSIBLE PATH
- PROPOSED SIGN
- PROPOSED PARKING COUNT
- PROPOSED UTILITY EASEMENT
- PROPOSED DETENTION POND OUTLET STRUCTURE
- PROPOSED YARD DRAIN
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL
- PROPOSED LIGHT POLES
- PROPOSED TRANSFORMER
- PROPOSED SANITARY SEWER CLEANOUT
- PROPOSED WATER METER BOX
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED POST INDICATOR VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION
- DETAIL NUMBER / SHEET NUMBER

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
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TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

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4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

CONCRETE SIDEWALK (TYP.) 205 C2.2

PROPOSED 20' DRAINAGE EASEMENT
PROPOSED 20' SANITARY SEWER EASEMENT
40' UTILITY EASEMENT
20' UTILITY EASEMENT
FIRE STATION ROAD
PEYTONSVILLE ROAD (MAJOR COLLECTOR)
FUTURE GOOSE CREEK EXTENSION (TYP.)
0.17AC ACQUISITION FOR FIRE STATION SITE ACCESS
CITY OF FRANKLIN CORPORATE LIMITS
TEMPORARY DRIVEWAY UNTIL COMPLETION OF FUTURE GOOSE CREEK EXTENSION
GRAVEL DRIVE

COF #: 6718

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE IN FEET
0 40 80

*HAND SIGNATURE ON FILE
ROBERT G. MORTON
REGISTERED ENGINEER
AGRICULTURE
6/7/2018
No. 108302
STATE OF TENNESSEE

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NO	DATE	DESCRIPTION

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325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

OVERALL SITE PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C2.0

J:\2018\180-832\...\civil plan submittal\180832-CVD-C2.0.dwg[C2.0] 5/6/7/2018 - bmorton - LR 6/7/2018 4:03 PM

NORTH

N 82°34'49" W 279.61'

INTEGRAL CURB AND SIDEWALK 200 C2.2

EXTRUDED CURB (TYP.) 207 C2.2

FUTURE PARKING (TYP.)

LIGHT POLE BASE (TYP.) 214 C2.3

PROPOSED DUMPSTER PAD WITH ENCLOSURE THAT MATCHES BUILDING (SEE ARCH. PLANS FOR ENCLOSURE DETAILS) 201 C2.2

S 4°28'25" E 132.18'

PROPOSED LIGHT POLE SEE SITE ELECTRICAL PLAN (TYP.)

PROPOSED 20' DRAINAGE EASEMENT

N 77°53'41" E 194.66'

PROPOSED 20' SANITARY SEWER EASEMENT

HEAVY DUTY CONCRETE 201 C2.2

S 04°28'25" E 216.54'

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MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

CONCRETE RETAINING WALL 204 C2.2

R=453.38'
L=146.49'

S 04°28'25" E 7.65'

S 82°34'26" E 140.51'

S 47°00'48" E 105.11'

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

ACCESSIBLE PARKING SPACE 210 C2.3

VAN ACCESSIBLE PARKING SPACE

TRANSITION TO EXTRUDED CURB

ADA HANDICAP PARKING SIGN 211 C2.3

BICYCLE PARKING AREA LOCATED INSIDE (SEE ARCH. PLANS)

N 24°38'20" E 60.06'

PROVIDE PEDESTRIAN GUARD RAIL 213 C2.3

R=116.50'
L=18.48'

N 15°32'55" E 8.40'

R=596.50'
L=28.62'

R12.5'

PIV

R=535.50'
L=402.11'

L=169.44'
R=501.38'

R=83.47'
L=83.34'

M.B.S.L.

4" SSWL

12" WIDE STOP BAR

202 C2.2 LOWERED CONCRETE DRIVEWAY

211 C2.3 STOP SIGN

215 C2.3 TRUNCATED DOMES (TYP.)

SEE SHEET C4.5 FOR ACCESS ROAD PLAN, PROFILE, AND SECTIONS

202 C2.2 LOWERED CONCRETE DRIVEWAY

FIRE STATION ROAD

S 15°32'55" W 128.81'

S 15°32'55" W 102.00'

N 14°42'34" E 41.85'

SIDEWALK TO CONNECT TO FUTURE GOOSE CREEK EXTENSION SIDEWALK

S 83°47'23" E

14'

20'

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
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- PROPOSED FIRE HYDRANT
- PROPOSED POST INDICATOR VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION
- DETAIL NUMBER / SHEET NUMBER

COF #: 6718

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ROBERT G. MORTON
REGISTERED ENGINEER
No. 109262
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 20 40

REVISION RECORD

NO	DESCRIPTION	DATE

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ENLARGED SITE PLAN

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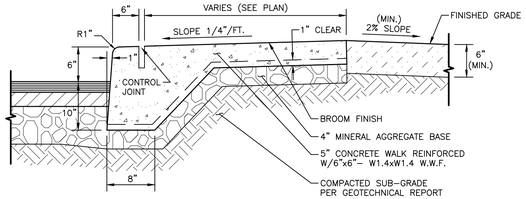
APPROVED BY:	AS SHOWN

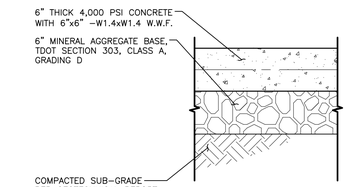
DRAWING NO.:
C2.1

P:\2018\180-832\1-CAD\Dwg\c01 site plan submittal\180832-CV00-C2.0.dwg(C2.1) LS(6/7/2018 - bmorton) - LP: 6/7/2018 4:03 PM

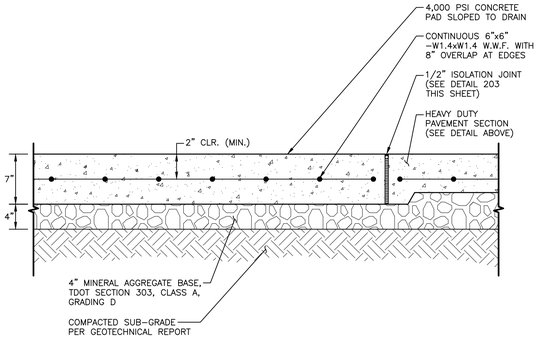


NOTE:
PROVIDE CONTROL JOINTS SPACED EVERY 5 FT. AND ISOLATION JOINTS EVERY 25 FT.

DETAIL 200
INTEGRAL CURB AND SIDEWALK
N.T.S.

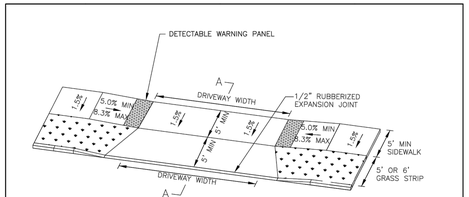


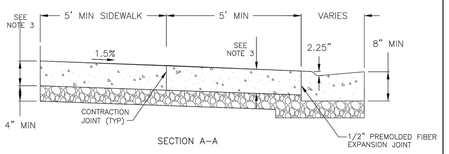
HEAVY DUTY PAVEMENT



DUMPSTER PAD

DETAIL 201
PAVEMENT SECTIONS
N.T.S.





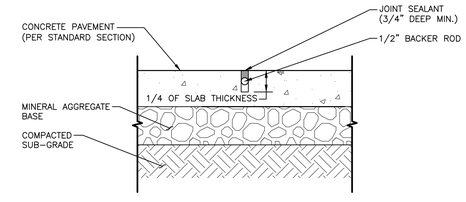
SECTION A–A

GENERAL NOTES
1. 5' MINIMUM SIDEWALK WITH A 1.5% DESIRABLE AND ABSOLUTE MAXIMUM OF 2% THROUGH DRIVEWAYS.
2. 4" MIN BASE STONE (303–01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING"D") REQUIRED UNDER ALL DRIVEWAYS.
3. RESIDENTIAL DRIVEWAYS SHALL BE A MIN 6" OF CLASS "A" CONCRETE WITH SYNTHETIC FIBER REINFORCMENT. COMMERCIAL DRIVEWAYS SHALL BE A MIN 8" OF CLASS "A" CONCRETE WITH SYNTHETIC FIBER REINFORCEMENT.
4. DRIVEWAY RAMP GRADE VARIES, 8.33% MAX APRON GRADE FOR RESIDENTIAL DRIVEWAYS. 6.0% MAX APRON GRADE FOR COMMERCIAL DRIVEWAYS
5. DETECTABLE WARNING SURFACES SHOULD NOT BE PROVIDED AT CROSSINGS OF RESIDENTIAL DRIVEWAYS. DETECTABLE WARNING SURFACES SHOULD BE PROVIDED ON COMMERCIAL DRIVEWAYS WITH YIELD OR STOP CONTROL AT THE JUNCTION BETWEEN THE PEDESTRIAN ROUTE AND THE VEHICULAR ROUTE.
6. DETECTABLE WARNING SURFACES SHALL BE YELLOW (ADA SOLUTIONS, INC. OR APPROVED EQUAL) CAST IN PLACE AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHOULD EXTEND ONLY 2 FEET IN THE DIRECTION OF TRAVEL.

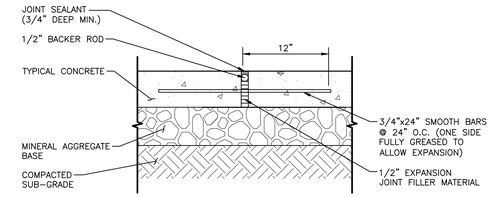
N.T.S

CITY OF FRANKLIN		
LOWERED CONCRETE DRIVEWAY (WITH GRASS STRIP)		CITY ENGINEER 7/1/2017 DATE
DWG. NO. RP-6	EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

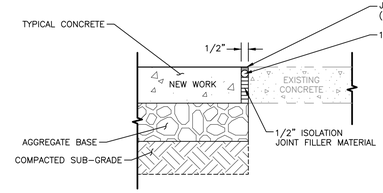
DETAIL 202
LOWERED CONCRETE DRIVEWAY
N.T.S.



CONTROL JOINT DETAIL



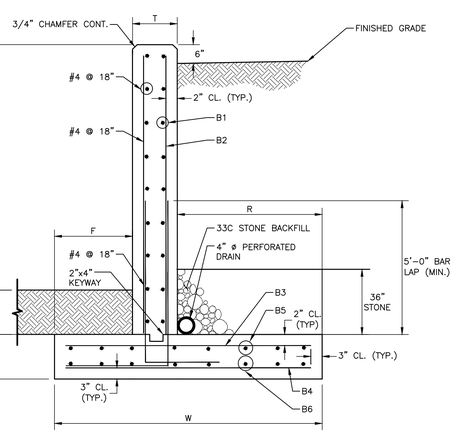
CONSTRUCTION JOINT DETAIL



ISOLATION JOINT DETAIL

NOTES:
1. INSTALL SAWCUT JOINTS WITHIN 24 HOURS OF FINISHING CONCRETE.
2. INSTALL CONSTRUCTION JOINTS WHEN CONTINUOUS POUR OPERATIONS ARE SUSPENDED FOR MORE THAN 30 MINUTES.
3. INSTALL ISOLATION JOINTS @ 20' O.C. IN EACH DIRECTION AND AGAINST ASPHALT PAVEMENT AND STRUCTURES.
4. CONTROL JOINTS SHOULD BE INCLUDED FOR EACH 225 SQUARE FEET OF AREA OR LESS (15'x15').
5. SAW CUTS SHOULD NOT CUT THROUGH THE WELDED WIRE FABRIC.

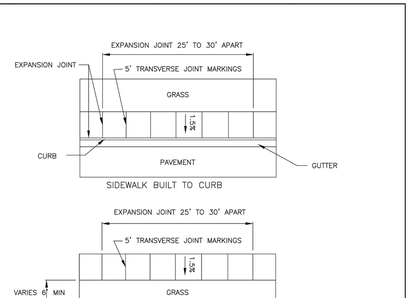
DETAIL 203
CONCRETE PAVEMENT JOINTS
N.T.S.



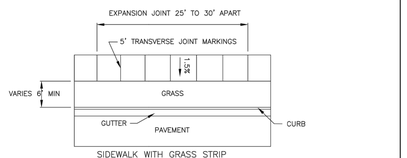
NOTES:
1. 3,000 P.S.F. BEARING CAPACITY.
2. 3,000 P.S.I. CONCRETE.
3. REINF. ASTM A615 GRADE 60.
4. IF VENEER IS USED, CONTRACTOR TO SUPPLY TIES TO ATTACH VENEER TO WALL. TIES TO BE PLACED PER LOCAL CODE AND MANUFACTURER REQUIREMENTS. COORDINATE WITH CITY OF FRANKLIN FOR WALL VENEER SPECIFICATIONS.

RETAINING WALL SCHEDULE FOR LEVEL BACKFILL											
DIMENSIONS						BAR SIZE AND SPACING					
H	F	T	R	W	D	B1	B2	B3	B4	B5	B6
0'–4"	1'–0"	1'–0"	1'–3"	3'–3"	1'–0"	#4 @ 12	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 12	#4 @ 12
4'–6"	1'–3"	1'–0"	2'–0"	4'–3"	1'–0"	#4 @ 12	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 12	#4 @ 12

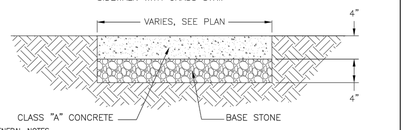
DETAIL 204
CONCRETE RETAINING WALL
N.T.S.



SIDEWALK BUILT TO CURB



SIDEWALK WITH GRASS STRIP



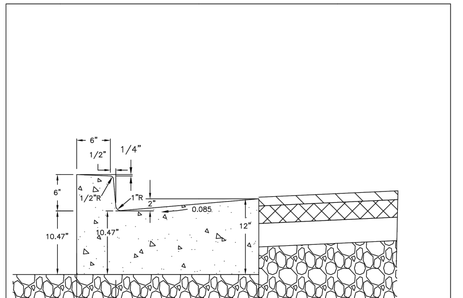
GENERAL NOTES
1. CLASS "A" CONCRETE, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI WITH SYNTHETIC FIBER REINFORCEMENT.
2. DESIRABLE SIDEWALK CROSS SLOPE IS 1.5%, ABSOLUTE MAXIMUM IS 2.0%.
3. ALSO SEE EXPANSION JOINT DETAIL
4. 4" MIN BASE STONE (303–01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D" REQUIRED UNDER ALL SIDEWALKS.

N.T.S

CITY OF FRANKLIN		
TYPICAL 5' CONCRETE SIDEWALK		CITY ENGINEER 7/1/2017 DATE
DWG. NO. RP-8	EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

NOTE:
SEE DETAIL 214, SHEET C2.3 FOR SIDEWALK EXPANSION JOINT DETAIL.

DETAIL 205
SIDEWALK
N.T.S.

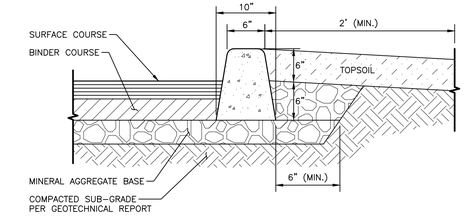


GENERAL NOTES
1. FOR SPECIFICATIONS SEE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION, SECTION 702 – CEMENT CONCRETE CURB, GUTTER AND COMBINED CURB AND GUTTER.
2. CONCRETE EXPANSION JOINT MATERIAL IS TO BE 1/2" RUBBERIZED EXPANSION JOINT FILLER IN ACCORDANCE WITH SECTION 905 – JOINT MATERIALS OF THE STANDARD SPECIFICATIONS.
3. CONTRACTION JOINTS ARE TO BE SPACED AT 10 FEET. THE SPACING OF 10 FEET MAY BE REDUCED FOR CLOSURES, BUT NOT LESS THAN 6 FEET
3. EXPANSION JOINTS ARE TO BE PLACED AS FOLLOWS: AT TANGENT JOINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, AT OTHER PLACES WHERE STRESSES MAY DEVELOP, SO AS TO LINE UP WITH PAVEMENT JOINTS WHERE THE ADJACENT PAVEMENT IS CONCRETE MAXIMUM SPACING IS TO BE 100 FEET

N.T.S

CITY OF FRANKLIN		
ARTERIAL AND COLLECTOR CURB AND GUTTER		CITY ENGINEER 7/1/2017 DATE
DWG. NO. RP-1	EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

DETAIL 206
CONCRETE CURB AND GUTTER
N.T.S.



NOTES:
1. CONCRETE CURB PLACED ON BASE COURSE OR ON BINDER COURSE ONLY. ASPHALT TOPPING TO BE PLACED IN FRONT OF CURB.
2. TAMP 6" (MIN.) OF TOPSOIL BACKFILL BEHIND CURB TO ACHIEVE FINISHED GRADE.

DETAIL 207
CONCRETE EXTRUDED CURB
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — AGRICULTURE — 6/7/2018 — No. 108382 — STATE OF TENNESSEE

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:
1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

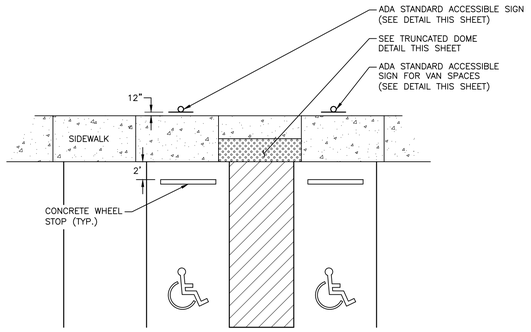
COF #: 6718

SITE DETAILS

DATE:	JUNE 2018	DRAWN BY:	PEC
DWG SCALE:	AS SHOWN	CHECKED BY:	EJG
PROJECT NO.			180-832
APPROVED BY:			AS SHOWN

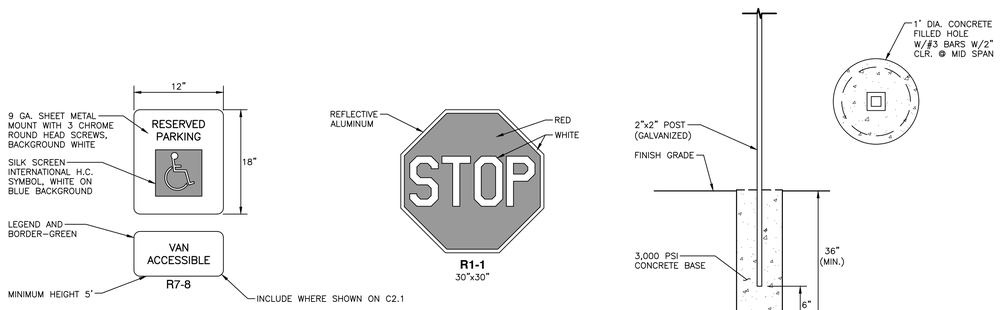
DRAWING NO.:
C2.2

n:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVDD-C2.1.dwg[C2.2] LS:6/6/2018 - (dennisg) - LP: 6/7/2018 4:03 PM



NOTES:
1. PAINT WHITE 4" WIDE PARKING STRIPES AS INDICATED, USING PAVEMENT MARKING MACHINE.
2. NO SLOPE TO EXCEED 2% IN ANY DIRECTION.
3. ACCESSIBLE SIGNS TO BE A MIN OF 1'-0" BEHIND PAVEMENT OR SIDEWALK, AS SPECIFIED ON PLANS.
4. DRIVE LANE BEHIND STALLS MUST BE A MINIMUM OF 24'.

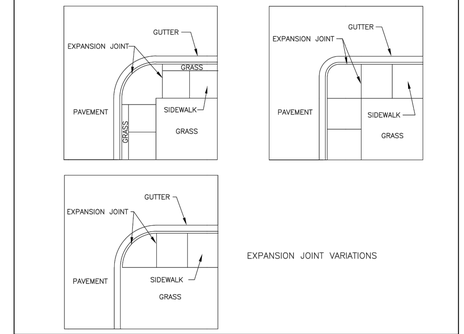
DETAIL 210
ACCESSIBLE PARKING SPACE
N.T.S.



ADA HANDICAP PARKING SIGN **STOP SIGN** **SIGN POST**

NOTES:
1. SIGN PANELS SHALL BE 0.100 ALUMINUM WITH RAISED OR SILKSCREEN COPY.
2. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS W/ WASHERS, 2 PER SIGN; OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. ALL SIGNAGE IS TO BE INSTALLED WITH THE BOTTOM EDGE OF THE LOWEST SIGN AT LEAST 60" ABOVE FINISHED GRADE, WHERE NO PEDESTRIAN TRAFFIC IS POSSIBLE.
4. ALL SIGNAGE IS TO BE INSTALLED WITH THE BOTTOM EDGE OF THE LOWEST SIGN AT LEAST 84", WHERE PEDESTRIAN TRAFFIC IS POSSIBLE.
5. THE R7-8 SIGN SHOULD BE USED TO DEFINE WHICH PARKING SPACE OR SPACES ARE RESERVED FOR THE DISABLED OR WHEELCHAIR ACCESSIBLE IN ACCORDANCE WITH STATE LAW & LOCAL ORDINANCE.
6. PARKING SPACES SIGNED AS WHEELCHAIR ACCESSIBLE PARKING SPACES MUST BE SUPPLEMENTED WITH PAVEMENT MARKINGS WHERE THERE IS A SUITABLE PAVEMENT SURFACE.
7. STOP SIGN TO BE HIGH INTENSITY GRADE.
8. SET POSTS IN CONCRETE TO A MINIMUM DEPTH OF 36". SIGN PANELS SHALL BE 0.100 ALUMINUM WITH RAISED OR SILKSCREEN COPY.
9. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS W/ WASHERS, 2 PER SIGN; OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

DETAIL 211
SIGNS
N.T.S.



GENERAL NOTES
1. ALSO SEE SIDEWALK DETAILS
2. 1" JOINTS TO BE PLACED WHERE THE SIDEWALK IS IN CONTACT WITH CIRCULAR CURB, BUILDINGS AND RETAINING WALLS. 1/2" JOINTS TO BE USED AT OTHER LOCATIONS.
3. ONE LONGITUDINAL JOINT MARKING REQUIRED ON SIDEWALK OVER 5' IN WIDTH TO LESS THAN 10'. TWO LONGITUDINAL JOINTS FOR TRAIL 10' TO 12'.

N.T.S

CITY OF FRANKLIN		
TYPICAL SIDEWALK/TRAIL EXPANSION JOINT		CITY ENGINEER 7/1/2017 DATE
DWG. NO. RP-10	EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

DETAIL 212
TYPICAL SIDEWALK EXPANSION JOINT
N.T.S.

REVISION RECORD		
NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

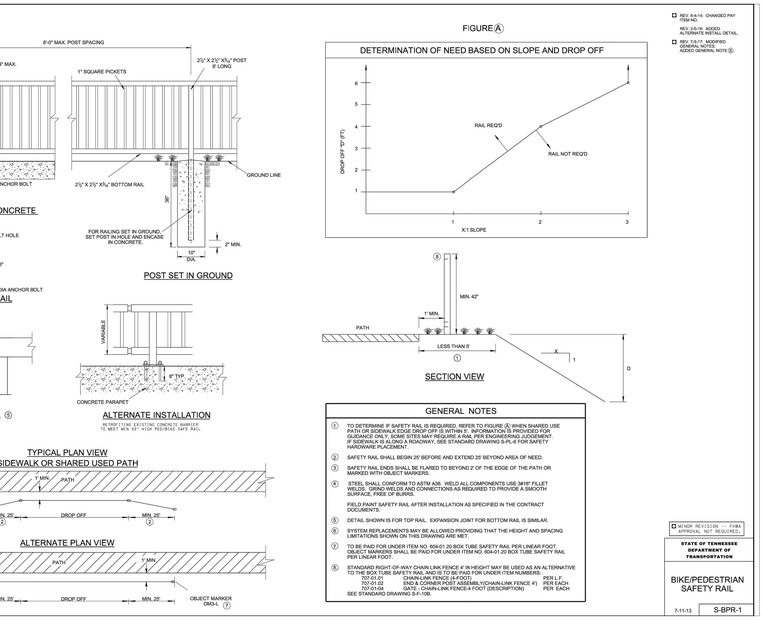


FIGURE Ⓐ

GENERAL NOTES

① TO DETERMINE IF SAFETY RAIL IS REQUIRED, REFER TO FIGURE Ⓐ WHEN SHARED USE PATH OR SIDEWALK EDGE DROP OFF IS WITHIN 5'. INFORMATION IS PROVIDED FOR GUIDANCE ONLY. SOME SITES MAY REQUIRE A RAIL PER ENGINEERING JUDGEMENT. IF SIDEWALK IS ALONG A ROADWAY, SEE STANDARD DRAWING SI-PL-4 FOR SAFETY HARDWARE PLACEMENT.

② SAFETY RAIL SHALL BEGIN 25' BEFORE AND EXTEND 25' BEYOND AREA OF NEED.

③ SAFETY RAIL ENDS SHALL BE FLARED TO BEYOND 2' OF THE EDGE OF THE PATH OR MARKED WITH OBJECT MARKERS.

④ STEEL SHALL CONFORM TO ASTM A36. WELD ALL COMPONENTS USE 3/16" FILLET WELDS. GRIND WELDS AND CONNECTIONS AS REQUIRED TO PROVIDE A SMOOTH SURFACE, FREE OF BURRS.

FIELD PAINT SAFETY RAIL AFTER INSTALLATION AS SPECIFIED IN THE CONTRACT DOCUMENTS.

⑤ DETAIL SHOWN IS FOR TOP RAIL. EXPANSION JOINT FOR BOTTOM RAIL IS SIMILAR.

⑥ SYSTEM REPLACEMENTS MAY BE ALLOWED PROVIDING THAT THE HEIGHT AND SPACING LIMITATIONS SHOWN ON THIS DRAWING ARE MET.

⑦ TO BE PAID FOR UNDER ITEM NO. 604-01.20 BOX TUBE SAFETY RAIL PER LINEAR FOOT. OBJECT MARKERS SHALL BE PAID FOR UNDER ITEM NO. 604-01.25 BOX TUBE SAFETY RAIL PER EACH.

⑧ STANDARD RIGHT-OF-WAY CHAIN LINK FENCE 4' IN HEIGHT MAY BE USED AS AN ALTERNATIVE TO THE BOX TUBE SAFETY RAIL AND IS TO BE PAID FOR UNDER ITEM NUMBERS:

707-01.01	FENCE-CHAIN LINK-FENCE 4'	PER L.F.
707-01.02	END & CORNER POST ASSEMBLY(CHAIN-LINK FENCE 4')	PER EACH
707-01.04	GATE - CHAIN-LINK FENCE-4 FOOT (DESCRIPTION)	PER EACH

SEE STANDARD DRAWING SI-F-10B.

REV. 6-4-14: CHANGED PAY ITEM NO.
REV. 2-6-16: ADDED ALTERNATE INSTALL DETAIL.
REV. 7-5-17: MODIFIED DETAIL AND ADDED GENERAL NOTE ⑧

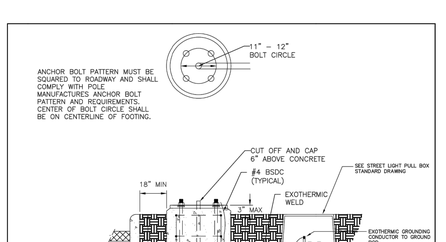
MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

BIKE/PEDESTRIAN SAFETY RAIL

7-15-13 S-BPR-1

DETAIL 213
PEDESTRIAN GUARDRAIL
N.T.S.

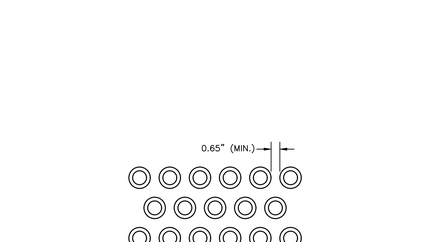


NOTES:
1) ANCHOR BOLT PATTERN MUST BE SQUARED TO ROADWAY AND SHALL COMPLY WITH POLE MANUFACTURES ANCHOR BOLT PATTERN AND REQUIREMENTS. CENTER OF BOLT CIRCLE SHALL BE ON CENTERLINE OF FOOTING.
2) ALL MATERIALS AND LABOR TO BE FURNISHED BY CONTRACTOR
3) ALIGN ANCHOR BOLTS TO BE PARALLEL TO STREET
4) COF STREET DEPARTMENT INSPECTION MUST BE APPROVED BEFORE CONCRETE POUR AND AT COMPLETION.
5) FINISH SHALL BE SMOOTH & FREE OF VOIDS.
6) THIS DETAIL TO BE USED IN DOWNTOWN FRANKLIN GATEWAY CORRIDORS AND CONNECTOR STREET.
7) PROVIDE POLE LENGTH REQUIRED BY SOIL CONDITIONS AND POLE / LUMINARE (INCLUDING WIND LOADING.)
8) WHERE REQUIRED BY SITE CONDITIONS, PROVIDE SPREAD-TYPE FOOTING.
9) FOUNDITIONS SHALL BE DESIGNED BY LICENSED ENGINEER

N.T.S

CITY OF FRANKLIN		
30' LIGHT POLE - BASE DETAIL		CITY ENGINEER 7/1/2017 DATE
DWG. NO. L-8	EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

DETAIL 214
LIGHT POLE BASE
N.T.S.



NOTES:
1. DETECTABLE WARNING SURFACE IS REQUIRED AT ALL SIDEWALK RAMPS AT BOUNDARY WITH ADJACENT PAVEMENT.
2. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCHES MINIMUM TO 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCHES.
3. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF (0.65 IN MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES.
4. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
5. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARES), THE LANDING, OR THE BLENDED TRANSITION.
6. REFER TO FLARED HANDICAP RAMP DETAIL AND PARALLEL HANDICAP RAMP DETAIL FOR PLACEMENT OF DETECTABLE WARNING SURFACE.

DETAIL 215
DETECTABLE TRUNCATED DOMES
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
XVI
AGRICULTURE
6/7/2018
No. 108382
STATE OF TENNESSEE

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:
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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

SITE DETAILS

DATE:	JUNE 2018	DRAWN BY:	PEC
DWG SCALE:	AS SHOWN	CHECKED BY:	EJG
PROJECT NO:			180-832
APPROVED BY:			AS SHOWN

DRAWING NO.:
C2.3

I:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVSD-C2.1.dwg(2.3) 15/6/2018 - (dennisg) - LP: 6/7/2018 4:03 PM

NORTH

STORMWATER OUTFALL 1
POST-DEVELOPMENT GRADING & DRAINAGE DATA CHART (GRASSED CHANNEL)

SITE AREA: 3.88 AC
IMPERVIOUS AREA: 1.14 AC

POST-DEVELOPMENT PEAK FLOW EVENTS:
2-YEAR: 9.11 CFS
5-YEAR: 14.82 CFS
10-YEAR: 18.76 CFS
25-YEAR: 23.87 CFS
50-YEAR: 27.71 CFS
100-YEAR: 31.52 CFS

DOWNSTREAM CAPACITY: 61.5 CFS

AREA OF ANALYSIS
POST-DEVELOPMENT GRADING & DRAINAGE DATA CHART

SITE AREA: 1.86 AC
IMPERVIOUS AREA: 1.01 AC

POST-DEVELOPMENT PEAK FLOW EVENTS:
2-YEAR: 1.26 CFS
5-YEAR: 2.39 CFS
10-YEAR: 3.86 CFS
25-YEAR: 6.01 CFS
50-YEAR: 7.00 CFS
100-YEAR: 9.04 CFS

DOWNSTREAM CAPACITY: 18.2 CFS
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)

STORMWATER OUTFALL 2
POST-DEVELOPMENT GRADING & DRAINAGE DATA CHART (18" RCP)

SITE AREA: 1.87 AC
IMPERVIOUS AREA: 0.97 AC

POST-DEVELOPMENT PEAK FLOW EVENTS:
2-YEAR: 4.32 CFS
5-YEAR: 6.58 CFS
10-YEAR: 8.65 CFS
25-YEAR: 11.63 CFS
50-YEAR: 13.40 CFS
100-YEAR: 15.46 CFS

DOWNSTREAM CAPACITY: 18.2 CFS
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)

STORMWATER OUTFALL 3
PRE-DEVELOPMENT GRADING & DRAINAGE DATA CHART (GRASSED CHANNEL TO 18" RCP

SITE AREA: 2.38 AC
IMPERVIOUS AREA: 0.08 AC

POST-DEVELOPMENT PEAK FLOW EVENTS:
2-YEAR: 1.16 CFS
5-YEAR: 3.41 CFS
10-YEAR: 5.25 CFS
25-YEAR: 7.85 CFS
50-YEAR: 9.94 CFS
100-YEAR: 12.09 CFS

DOWNSTREAM CAPACITY: 17.6 CFS
(SEE EXISTING CONDITIONS GRADING AND DRAINAGE NOTE)

GRADING NOTES:

1. ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT, UNLESS INDICATED OTHERWISE.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT (IF REQUIRED), AND COMPACTION.
3. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE PLANS (6" MINIMUM).
4. USE EROSION CONTROL BLANKETS FOR ALL 3:1~4:1 SLOPES. USE EROSION CONTROL MATTING ALONG CHANNEL INVERTS AND SLOPES 3:1 AND GREATER.
5. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. THESE MATERIALS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER, IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.
7. THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING CONSTRUCTION OF THIS PROJECT. NO WORK SHALL BE PERFORMED OUTSIDE THE PROJECT BOUNDARY WITHOUT PROPER AGREEMENTS WITH THE AFFECTED PROPERTY OWNERS.
8. THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON ARE BASED ON UTILITY COMPANY RECORDS, AND WHERE POSSIBLE, FIELD MEASUREMENTS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 3 DAYS BUT NOT MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES TO REMAIN. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED UTILITIES ACCORDING TO LOCAL CODES AT THE CONTRACTORS EXPENSE.
9. THE CONTRACTOR SHALL CHECK ALL EXISTING AND FINISHED GRADES, DIMENSIONS, ETC. PRIOR TO BEGINNING WORK. NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES AND/OR ERRORS IN THE PLANS PRIOR TO COMMENCING WORK.
10. THE GENERAL CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING CONSTRUCTION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS.
11. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT O.S.H.A. PROVISIONS AND THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION, ISSUED BY THE AGC OF AMERICA, INCORPORATED, AND THE SAFETY AND HEALTH REGULATIONS OF CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
12. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE THROUGH THE SITE DURING ALL PHASES OF CONSTRUCTION.

Know what's below. Call before you dig.

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CITY OF FRANKLIN GRADING & DRAINAGE GENERAL NOTES:

1. GRADING PERMIT IS REQUIRED FOR ANY PROJECT DISTURBING MORE THAN 10,000 SF, ADDING MORE THAN 5,000 SF OF IMPERVIOUS SURFACE OR FOR ANY SITE GRADING REQUIRING STOCKPILING OF MATERIAL.
2. THE DEVELOPER SHALL PROVIDE THE NECESSARY LABOR AND SUPERVISION REQUIRED TO SUPPORT FIELD TESTING BY THE INDEPENDENT TESTING FIRM AND INSPECTIONS BY CITY OFFICIALS AT NO COST TO THE CITY. TEST REPORTS OF FIELD TESTING IF APPLICABLE SHALL BE SUBMITTED DIRECTLY TO THE STREET DEPARTMENT. DEFECTS DISCLOSED BY TESTS SHALL BE RECTIFIED.
3. AN AUTHORIZED REPRESENTATIVE OF THE CITY SHALL MAKE A FINAL INSPECTION OF THE PROJECT AFTER COMPLETION TO DETERMINE ACCEPTABILITY OF THE WORK AND FOR RELEASE OF PERFORMANCE BONDS IF REQUIRED. BEFORE THIS FINAL INSPECTION CAN BE MADE, THE ENGINEER RESPONSIBLE FOR THE PROJECT SHALL CERTIFY IN WRITING TO THE CITY ENGINEER THAT THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS.
4. DRAINAGE FACILITIES INCLUDING, BUT NOT LIMITED TO, CULVERTS, DETENTION BASINS AND DITCHES, AS WELL AS THE ROADWAY SUB-GRADE, BASE STONE AND BINDER & SURFACE COARSE SHALL BE INSPECTED, TESTED AND GIVEN APPROVAL AT EACH STAGE OF INSTALLATION PRIOR TO PROCEEDING TO THE NEXT STAGE OF CONSTRUCTION. FINAL CONSTRUCTION INSPECTION FOR APPROVAL AND ACCEPTANCE OF STREETS AND DRAINAGE SYSTEMS WILL NOT BE GRANTED UNTIL ALL WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS.
5. LOCATING AND COORDINATION FOR THE RELOCATION OF EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. TENNESSEE'S ONE-CALL AND THE CITY OF FRANKLIN UTILITY LOCATION SERVICE SHALL BE UTILIZED IN ADDITION TO COORDINATION WITH LOCAL UTILITY OWNERS. THE CONTRACTOR SHALL AT ALL TIMES PROTECT EXISTING UTILITIES AND WILL BE RESPONSIBLE FOR COSTS DUE TO DAMAGE CAUSED TO ANY UTILITY LINES.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — No. 108305 — STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 60 120

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- 810 EXISTING INDEX CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- UG-E EXISTING UNDERGROUND ELECTRIC
- UG-T EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVERHEAD UTILITY POLE
- EXISTING LIGHT POLE
- ET EXISTING TRANSFORMER
- U EXISTING UTILITY BOX
- U EXISTING UTILITY MANHOLE
- W EXISTING UNDERGROUND WATER LINE
- W EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- W EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- ST EXISTING STORM SEWER LINE
- SAN EXISTING SANITARY SEWER LINE
- S EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- FO EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- 895 PROPOSED INDEX CONTOUR
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STORM PIPE
- PROPOSED DETENTION POND OUTLET STRUCTURE
- PROPOSED YARD DRAIN
- PROPOSED CURB INLET
- D PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL

REVISION RECORD		
NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

COF #: 6718

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

OVERALL GRADING & DRAINAGE PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C3.0

a:\2018\180-832\...\civil plan submittal\180832-CVD0-C3.0.dwg(C3.0) 6/6/2018 - bmorton) - LR 6/7/2018 4:04 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106Q, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

PROPOSED 20' DRAINAGE EASEMENT

40' UTILITY EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

N 77°53'41" E 194.66'

20' UTILITY EASEMENT

N 23°35'16" W 180.22'

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

PROPOSED BIORETENTION BASIN

FIRE STATION ROAD

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

R=453.18'
L=146.49'
S 04°28'25" E

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117G, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

ENERGY DISSAPATING RETAINING WALL. SEE ENLARGEMENT ON THIS SHEET

S 83°47'23" E 492.00'

N 08°09'39" E 145.54'

N 08°09'39" E 227.53'

S 85°25'24" E 529.61'

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02802-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

GRAVEL DRIVE

SCALE IN FEET
0 40 80

811
Know what's below.
Call before you dig.

NOTE TO CONTRACTOR:

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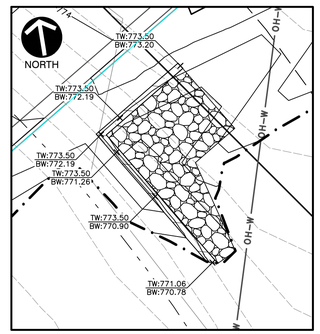
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING INTERMEDIATE CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- EXISTING UTILITY BOX
- EXISTING UTILITY MANHOLE
- EXISTING UNDERGROUND WATER LINE
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- PROPOSED EDGE OF ROAD
- PROPOSED EXTRUDED CURB
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TRUNCATED DOMES
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED PAVEMENT MARKING
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STORM PIPE
- PROPOSED DETENTION POND OUTLET STRUCTURE
- PROPOSED YARD DRAIN
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL
- PROPOSED ROOF DRAIN
- PROPOSED UNDERDRAIN

COF #: 6718



ENERGY DISSAPATING RETAINING WALL ENLARGEMENT
SCALE IN FEET
0 10 20

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109302
STATE OF TENNESSEE
6/7/2018

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

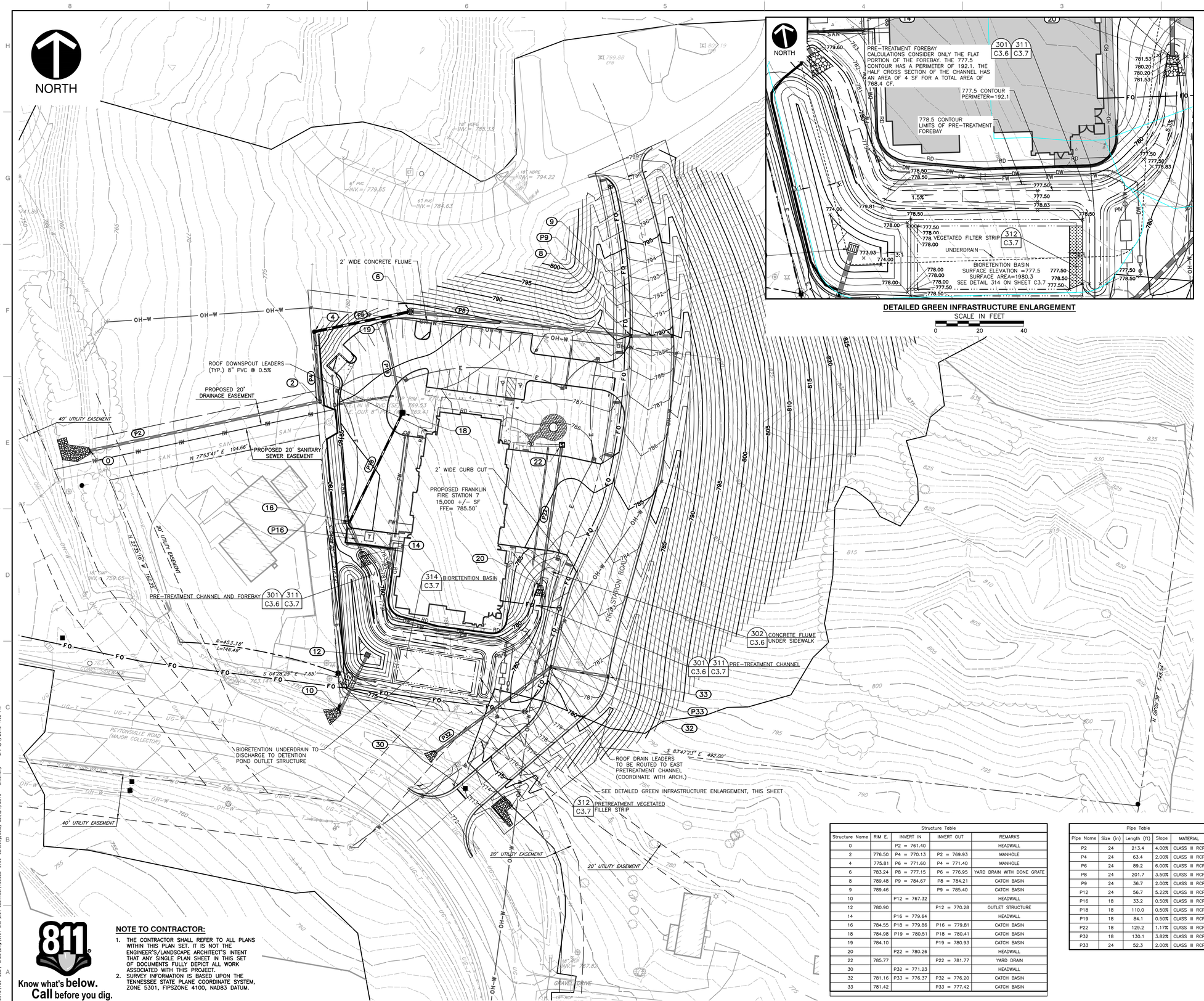
RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

ENLARGED GRADING PLAN

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C3.1

A:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVSD-C3.0.dwg[C3.1] LS(6/7/2018 - tmorton) - LP: 6/7/2018 4:04 PM



DETAILED GREEN INFRASTRUCTURE ENLARGEMENT

SCALE IN FEET

0 20 40

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- 810 EXISTING INDEX CONTOUR
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- 894 PROPOSED INTERMEDIATE CONTOUR
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- PROPOSED DETENTION POND OUTLET STRUCTURE
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- PROPOSED CURB INLET
- D PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL
- RD PROPOSED ROOF DRAIN
- PROPOSED UNDERDRAIN
- P18 PROPOSED PIPE LABEL
- 32 PROPOSED STRUCTURE LABEL

Structure Table				
Structure Name	RIM E.	INVERT IN	INVERT OUT	REMARKS
0		P2 = 761.40		HEADWALL
2	776.50	P4 = 770.13	P2 = 769.93	MANHOLE
4	775.81	P6 = 771.60	P4 = 771.40	MANHOLE
6	783.24	P8 = 777.15	P6 = 776.95	YARD DRAIN WITH DONE GRATE
8	789.48	P9 = 784.67	P8 = 784.21	CATCH BASIN
9	789.46		P9 = 785.40	CATCH BASIN
10		P12 = 767.32		HEADWALL
12	780.90		P12 = 770.28	OUTLET STRUCTURE
14		P16 = 779.64		HEADWALL
16	784.55	P18 = 779.86	P16 = 779.81	CATCH BASIN
18	784.98	P19 = 780.51	P18 = 780.41	CATCH BASIN
19	784.10		P19 = 780.93	CATCH BASIN
20		P22 = 780.26		HEADWALL
22	785.77		P22 = 781.77	YARD DRAIN
30		P32 = 771.23		HEADWALL
32	781.16	P33 = 776.37	P32 = 776.20	CATCH BASIN
33	781.42		P33 = 777.42	CATCH BASIN

Pipe Table				
Pipe Name	Size (in)	Length (ft)	Slope	MATERIAL
P2	24	213.4	4.00%	CLASS III RCP
P4	24	63.4	2.00%	CLASS III RCP
P6	24	89.2	6.00%	CLASS III RCP
P8	24	201.7	3.50%	CLASS III RCP
P9	24	36.7	2.00%	CLASS III RCP
P12	24	56.7	5.22%	CLASS III RCP
P16	18	33.2	0.50%	CLASS III RCP
P18	18	110.0	0.50%	CLASS III RCP
P19	18	84.1	0.50%	CLASS III RCP
P22	18	129.2	1.17%	CLASS III RCP
P32	18	130.1	3.82%	CLASS III RCP
P33	24	52.3	2.00%	CLASS III RCP

NOTES:

1. FOR HEADWALL DETAIL, SEE DETAIL 300 ON SHEET C3.6.
2. FOR MANHOLE DETAIL, SEE DETAIL 304 ON SHEET C3.6.
3. FOR AREA DRAIN DETAIL, SEE DETAIL 304 ON SHEET C3.6.
4. FOR CATCH BASIN DETAIL, SEE DETAIL 304 ON SHEET C3.6.
5. FOR OUTLET STRUCTURE DETAIL, SEE DETAIL 305 ON SHEET C3.6.
6. FOR PIPE BEDDING DETAIL SEE DETAIL, 303 ON SHEET C3.6.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109395
STATE OF TENNESSEE

6/7/2018

SCALE IN FEET

0 40 80

811 Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

ENLARGED DRAINAGE PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.:

C3.2

A:\2018\180-832\~CAD\Dwg\sh01 site plan submittal\180832-CVSH-C3.0.dwg[C3.2] LS:(6/7/2018 - bmorton) - LP: 6/7/2018 4:05 PM

NORTH

EPSC DATA CHART					
OUTFALL	DRAINAGE AREA (AC)	OUTFALL ELEVATION	RECEIVING WATER	303(d) OR EXCEPTIONAL	EPSC DESIGN EVENT
1	3.88	748	FIVEMILE CREEK	YES	5-YEAR
2	1.87	769	FIVEMILE CREEK	YES	5-YEAR
3	2.38	768	FIVEMILE CREEK	YES	5-YEAR

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
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- EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- EXISTING UTILITY BOX
- EXISTING UTILITY MANHOLE
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- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- EXISTING SURVEY CONTROL POINT
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED FILTER SOCK
- PROPOSED SILT FENCE
- PROPOSED CONSTRUCTION ENTRANCE

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

SILT FENCE (TYP.) 901 C3.8

40' UTILITY EASEMENT

OUTFALL 1

N 77°53'41" E 194.66'

20' UTILITY EASEMENT

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

20' UTILITY EASEMENT (TO BE ABANDONED)

40' UTILITY EASEMENT (TO BE ABANDONED)

R=453.38'
L=146.49'
S 04°28'25" E 7.65'

CONC. SIDEWALK

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

OUTFALL 2

40' UTILITY EASEMENT

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.48 AC +/-
111 AGRICULTURAL

CONSTRUCTION ENTRANCE 900 C3.8

FILTER SOCK (TYP.) 904 C3.8

OUTFALL 3

LIMITS OF DISTURBANCE =4.94 ACRES

S 83°47'23" E 137.76'

S 83°47'23" E 492.00'

20' UTILITY EASEMENT

20' UTILITY EASEMENT

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

N 08°39'59" E 765.54'

N 08°39'59" E 221.53'

GRAVEL DRIVE

18" RCP INV.= 757.82

18" HDPE INV.= 785.33

6" PVC INV.= 779.65

6" PVC INV.= 784.63

18" HDPE INV.= 794.22

18" CMP INV.= 759.65

799.88 CPB

802.19 CPB

763.14

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

INITIAL EPSC / PRE-CONSTRUCTION ACTIVITIES:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. IDENTIFY LIMITS OF DISTURBANCE, CLEARLY MARK AREAS TO REMAIN UNDISTURBED, INSTALL CAUTION FENCE, IF NECESSARY.
3. INSTALL PERIMETER EPSC MEASURES SHOWN ON THIS PLAN. CLEAR ONLY WHERE REQUIRED FOR INSTALLATION OF EPSC MEASURES.

PRELIMINARY NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — AGRICULTURE — 6/7/2018 — STATE OF TENNESSEE

SCALE IN FEET
0 40 80

COF #: 6718

REVISION RECORD

NO	DATE	DESCRIPTION

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325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

INITIAL EPSC & PRE-CONSTRUCTION PLAN

DATE:	JUNE 2018	DRAWN BY:	PEC
DWG SCALE:	AS SHOWN	CHECKED BY:	EJG
PROJECT NO:			180-832
APPROVED BY:			AS SHOWN

DRAWING NO.:
C3.3

a:\2018\180-832\--CAD\Dwg\civil site plan submittal\180832-CIVIL-C3.3.dwg(C3.3) LS(6/7/2018 - bmorton) - LP: 6/7/2018 4:05 PM

NORTH

EPSC DATA CHART

OUTFALL	DRAINAGE AREA (AC)	OUTFALL ELEVATION	RECEIVING WATER	303(d) OR EXCEPTIONAL	EPSC DESIGN EVENT
1	3.88	748	FIVEMILE CREEK	YES	5-YEAR
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3	2.38	768	FIVEMILE CREEK	YES	5-YEAR

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- 810 EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED PROPERTY LINE
- 895 PROPOSED INDEX CONTOUR
- 894 PROPOSED INTERMEDIATE CONTOUR
- PROPOSED UTILITY EASEMENT
- PROPOSED STORM PIPE
- PROPOSED DETENTION POND OUTLET STRUCTURE
- PROPOSED YARD DRAIN
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL
- PROPOSED LIMITS OF DISTURBANCE
- FS PROPOSED FILTER SOCK
- SF PROPOSED SILT FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED CHECK DAM

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02702-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

CHECK DAM (TYP.) 902 C3.8

N 82°34'49" W 479.61'

N 85°20'35" E 70.00'

903 INLET PROTECTION C3.8 (TYP.)

CITY TO COORDINATE WITH THE COUNTY REGARDING OFFSITE GRADING

906 RIPRAP APRON C3.9 (TYP.)

40' UTILITY EASEMENT

N 77°53'41" E 194.66'

OUTFALL 1

SILT FENCE (TYP.) 901 C3.8

20' UTILITY EASEMENT

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

CONCRETE WASHOUT FACILITY 905 C3.9

N 24°38'20" E 60.06'

R=116.50'
L=18.48'
N 15°32'55" E
8.40'
R=596.50'
L=28.62'

902 CHECK DAM C3.8 (TYP.)

S 15°32'55" W 100.04'

S 04°28'25" E 7.65'

S 89°34'26" E 140.51'

S 47°00'46" E 105.11'

OUTFALL 2

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

S 83°47'23" E 492.00'

LIMITS OF DISTURBANCE
= 4.94 ACRES

N 51°12'37" W 106.71'

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.48 AC +/-
111 AGRICULTURAL

CONSTRUCTION ENTRANCE 900 C3.8

FILTER SOCK (TYP.) 904 C3.8

OUTFALL 3

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

N 08°59'59" E 745.54'

N 08°59'59" E 271.51'

18" HDPE INV.= 785.33

18" HDPE INV.= 794.22

6" PVC INV.= 779.65

6" PVC INV.= 784.63

18" CMP INV.= 759.65

18" RCP INV.= 757.82

GRAVEL DRIVE

811 Know what's below. Call before you dig.

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

INTERIM EPSC / CONSTRUCTION ACTIVITIES:

1. STABILIZE DISTURBED NON-STEEP SLOPE AREAS WITHIN 14 DAYS OF COMPLETING ANY PHASE OF ACTIVITY.
2. STABILIZE STEEP SLOPES (35% OR GREATER) WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. COMPLETE FINAL GRADING.
4. COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, MATTING, BLANKET, ETC.).

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — AGRICULTURE — No. 108302 — STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

INTERIM EPSC & CONSTRUCTION PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C3.4

a:\2018\180-832\--CAD\Dwg\c03 site plan submittal\180832-CGD-C3.1.dwg(C3.4) LS(6/7/2018 - bmorton) - LP, 6/7/2018 4:06 PM

NORTH

EPSC DATA CHART

OUTFALL	DRAINAGE AREA (AC)	OUTFALL ELEVATION	RECEIVING WATER	303(d) OR EXCEPTIONAL	EPSC DESIGN EVENT
1	3.88	748	FIVEMILE CREEK	YES	5-YEAR
2	1.87	769	FIVEMILE CREEK	YES	5-YEAR
3	2.38	768	FIVEMILE CREEK	YES	5-YEAR

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- PROPOSED EDGE OF ROAD
- PROPOSED EXTRUDED CURB
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TRUNCATED DOMES
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED ACCESSIBLE PATH
- PROPOSED UTILITY EASEMENT
- PROPOSED LIGHT POLES
- PROPOSED TRANSFORMER
- PROPOSED SANITARY SEWER CLEANOUT
- PROPOSED WATER METER BOX
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER FITTING
- PROPOSED POST INDICATOR VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION
- PROPOSED STORM PIPE
- PROPOSED DETENTION POND OUTLET STRUCTURE
- PROPOSED YARD DRAIN
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIMITS OF BIORETENTION
- PROPOSED LIMITS OF DETENTION POND
- PROPOSED LIMITS OF DRAINAGE CHANNEL
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED EROSION CONTROL BLANKET
- PROPOSED EROSION CONTROL MATTING

907 C3.9 EROSION CONTROL MATTING

907 C3.9 EROSION CONTROL BLANKET

906 C3.9 RIP-RAP APRON

LIMITS OF DISTURBANCE = 4.94 ACRES

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

FIRE STATION ROAD

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02702-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.48 AC +/-
111 AGRICULTURAL

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

40' UTILITY EASEMENT

20' UTILITY EASEMENT

N 77°53'41" E 194.66'

N 23°39'16" W 160.23'

S 04°28'25" E 7.65'

R=453.38'
L=746.45'

S 83°47'23" E 492.00'

N 08°09'59" E 745.54'

N 08°09'59" E 217.53'

WATER QUALITY NARRATIVE:

OWNER SHALL MAINTAIN BIORETENTION IN ACCORDANCE WITH THE SCHEDULE AND CHECKLISTS INCLUDED IN THE LONG TERM MAINTENANCE PLAN.

FINAL EPSC / WATER QUALITY ACTIVITIES:

1. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT PERMANENT VEGETATIVE COVER.
2. RESEED AREAS DISTURBED BY REMOVAL ACTIVITIES.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109282
6/7/2018
STATE OF TENNESSEE

SCALE IN FEET
0 40 80

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

COF #: 6718

REVISION RECORD

NO	DATE	DESCRIPTION

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325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

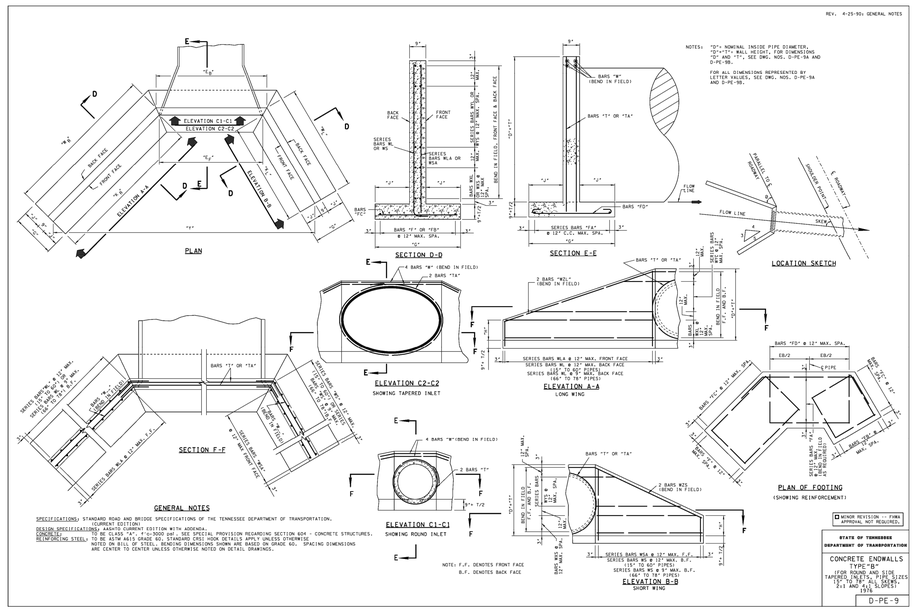
RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

FINAL EPSC & WATER QUALITY PLAN

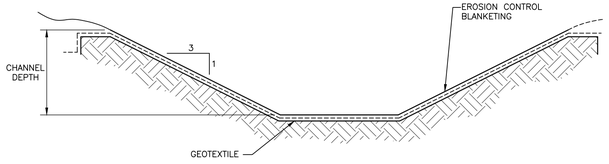
DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C3.5

P:\2018\180-832\1-CAD\Dwg\c01 site plan submittal\180832-C000-C3.5.dwg[C3.5] LS(6/7/2018 - bmorton) - LP(6/7/2018 4:07 PM

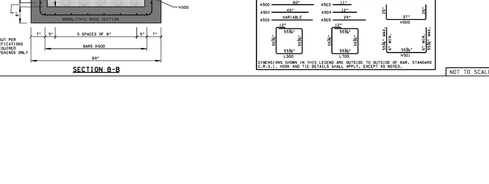


DETAIL 300
HEADWALL
N.T.S.



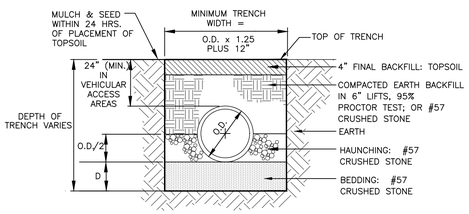
NOTES:
1. PREPARE SURFACE, FERTILIZE AND SEED SURFACE AREA OF DITCH IN ACCORDANCE WITH SEEDING NOTES ON L1.1.
2. APPLY TURF REINFORCED MATTING IN DIRECTION OF WATER FLOW AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
3. CHANNEL LINING TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
4. GRASS TO BE MAINTAINED TO HEIGHT OF 3–4 INCHES.

DETAIL 301
GRASS CHANNEL
N.T.S.



DETAIL 302
CONCRETE FLUME
N.T.S.

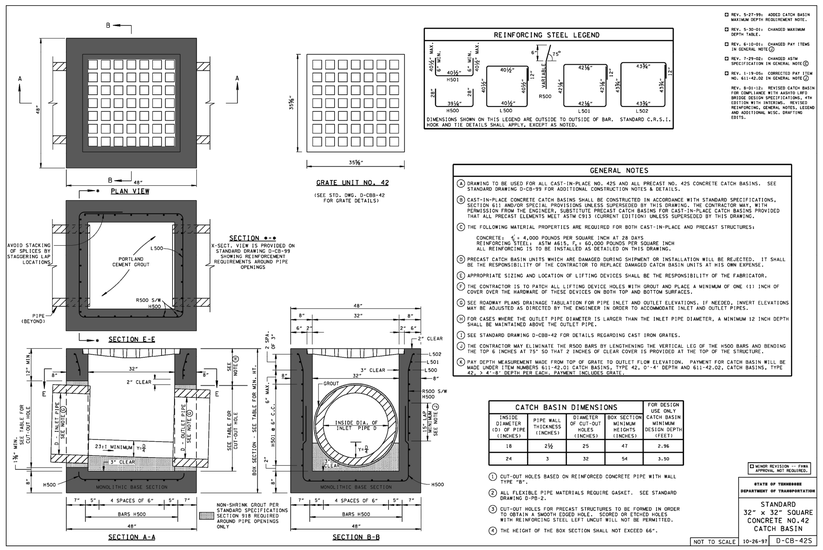
DRAINAGE STRUCTURES TO CONFORM TO CITY OF FRANKLIN STANDARD DRAWING NUMBER D–1



CONDITION	D (MIN.)
MIN.	4"
ROCK CUTS	6"

NOTES:
1. WHEN PIPE IS TO BE PLACED IN A FILL SECTION, THE COMPACTED FILL SHALL BE PLACED A MIN. OF 12" ABOVE THE PIPE ELEVATION BEFORE THE TRENCH IS EXCAVATED.
2. SUBGRADES SHOULD BE EXCAVATED, IF NECESSARY, SO A UNIFORM FOUNDATION FREE OF PROTRUDING ROCKS MAY BE PROVIDED.

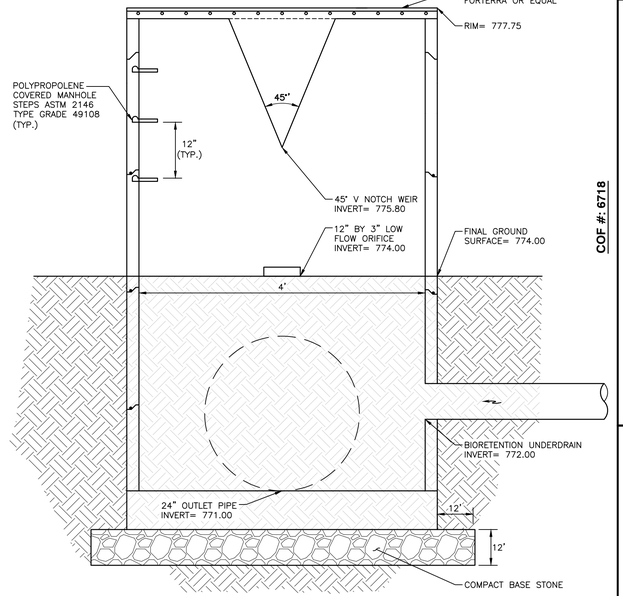
DETAIL 303
PIPE BEDDING
N.T.S.



INSIDE DIAMETER OF PIPE (INCHES)	PIPE WALL THICKNESS (INCHES)	DIAMETER OF CUT-OUT (INCHES)	BOX SECTION MINIMUM WALL HEIGHT (INCHES)	FOR DESIGN USE ONLY MINIMUM CATCH BASIN DEPTH (FEET)
18	2½	25	47	7.96
24	3	32	54	8.50

① CUT-OUT HOLES BASED ON REINFORCED CONCRETE PIPE WITH WALL TYPE "B".
② ALL FLEXIBLE PIPE MATERIALS REQUIRE GASKET. SEE STANDARD DRAWING D-PB-2.
③ CUT-OUT HOLES FOR PRECAST STRUCTURES TO BE FORMED IN ORDER TO PROVIDE A MINIMUM CLEARANCE OF 2" BETWEEN PIPE AND STRUCTURES WITH REINFORCING STEEL LEFT UNCUT WILL NOT BE PERMITTED.
④ THE HEIGHT OF THE BOX SECTION SHALL NOT EXCEED 66".

DETAIL 304
STORM MANHOLE
N.T.S.



DETAIL 305
OUTLET STRUCTURE
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109382
6/7/2018
STATE OF TENNESSEE

NOTE TO CONTRACTOR:

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REVISION RECORD

NO	DESCRIPTION	DATE

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615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

GRADING AND DRAINAGE DETAILS

DRAWN BY:	PEC
CHECKED BY:	EJG
PROJECT NO:	180-632
APPROVED BY:	AS SHOWN
DATE:	JUNE 2018
DWG SCALE:	AS SHOWN

DRAWING NO.:
C3.6

A:\2018\180-632\-CAD\Dwg\c01 site plan submittal\180632-CVDD-C3.6.dwg[C3.6] LS:(6/7/2018 - Opening) - LP: 6/7/2018 4:07 PM

APPENDIX 1-B

ADDITIONAL DETAILS AND SCHEMATICS

FOR REGULAR BIORETENTION PRACTICES

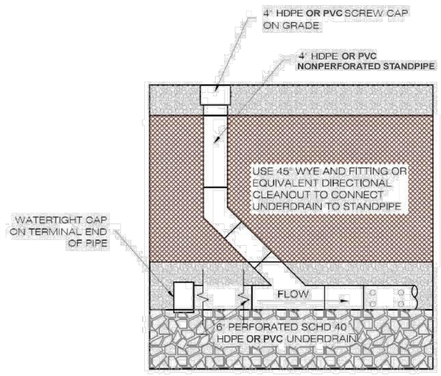
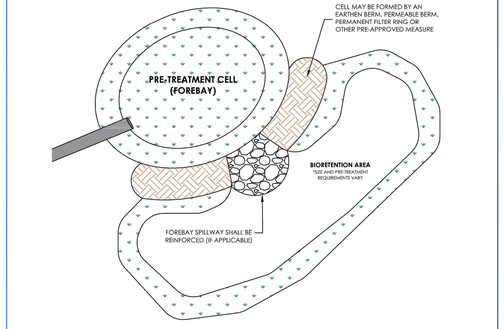


Figure 1-B. 1. 4" Cleanout Detail (source: VADCR, 2010)

DETAIL 310
BIORETENTION CLEANOUT
N.T.S.



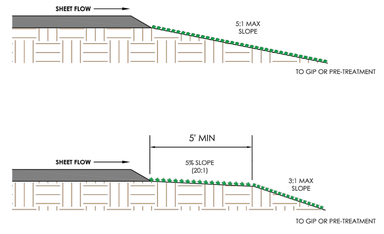
PRE-TREATMENT CELL NOTES:

1. LEVEL II REQUIRES PRE-TREATMENT CELL PLUS ADDITIONAL TREATMENT
2. STORAGE VOLUME = 10% OF TREATMENT VOLUME (Tv)
3. 2:1 LENGTH:WIDTH DESIGN
4. DISSIPATION REQUIRED FOR EXPECTED RATES OF DISCHARGE
5. PRE-TREATMENT CELL MUST NOT INTERFERE WITH REQUIRED PONDING IN BIORETENTION AREAS
6. PRE-TREATMENT CELLS DO NOT REQUIRE UNDERLYING FILTER MEDIA

N.T.S.

Pre-Treatment (concentrated flow) PRE-TREATMENT CELL/FOREBAY — TITLE	CITY OF FRANKLIN ENGINEERING 109 THIRD AVE SOUTH FRANKLIN, TN 37064	
DWG.NO.	DIRECTOR OF ENGINEERING	12/7/2017 DATE
02/20/2017 EFFECTIVE DATE	STORMWATER COORDINATOR	12/7/2017 DATE

DETAIL 311
PRE-TREATMENT CELL/FOREBAY
N.T.S.



VEGETATED FILTER STRIPS ARE BEST SUITED TO TREAT RUNOFF FROM SMALL SEGMENTS OF IMPERVIOUS COVER (USUALLY LESS THAN 5,000 SQ.FT.) ADJACENT TO ROAD SHOULDERS, SMALL PARKING LOTS, AND ROOFTOPS.

VEGETATED FILTER STRIPS MAY ALSO BE USED AS A PRE-TREATMENT FOR ANOTHER STORMWATER PRACTICE SUCH AS A DRY SWALE, BIORETENTION, OR INFILTRATION AREAS.

VEGETATED FILTER STRIP NOTES:

1. FILTER STRIPS SHOULD BE PLANTED AT A DENSITY TO ACHIEVE 90% COVER AFTER SECOND GROWING SEASON
2. FILTER STRIPS SHOULD BE SEEDED, NOT SODDED, WHENEVER POSSIBLE
3. VEGETATION SHALL BE ABLE TO WITHSTAND BOTH WET AND DRY PERIODS
4. FILTER STRIPS SHOULD NOT RECEIVE HOTSPOT RUNOFF

N.T.S.

Pre-Treatment (sheet flow) VEGETATED FILTER STRIP — TITLE	CITY OF FRANKLIN ENGINEERING 109 THIRD AVE SOUTH FRANKLIN, TN 37064	
DWG.NO.	DIRECTOR OF ENGINEERING	12/7/2017 DATE
02/20/2017 EFFECTIVE DATE	STORMWATER COORDINATOR	12/7/2017 DATE

DETAIL 312
PRE-TREATMENT VEGETATED FILTER STRIP
N.T.S.

PRE-TREATMENT NOTES:

TREATMENT DEPENDENT ON TYP., FLOW

SHEET FLOW
- VEGETATED FILTER STRIP
- GRAVEL/STONE DIAPHRAGM
- VEGETATED LEVEL SPREADER

CONCENTRATED FLOW
- PRE-TREATMENT (FOREBAY) CELL
- GRAVEL/STONE FLOW SPREADER

FILTER MEDIA SPECIFICATIONS:

DEPTH:
AS SHOWN ON APPROVED PLANS

CONTENTS:
40% SILT
30% SAND
20% CLAY
10% ORGANICS

ADDITIONAL NOTES:

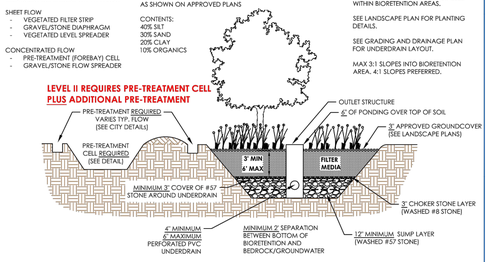
NO FILTER FABRIC SHALL BE INSTALLED WITHIN BIORETENTION AREAS.

SEE LANDSCAPE PLAN FOR PLANTING DETAILS.

SEE GRADING AND DRAINAGE PLAN FOR UNDERDRAIN LAYOUT.

MAX 3:1 SLOPES INTO BIORETENTION AREA, 4:1 SLOPES PREFERRED.

LEVEL II REQUIRES PRE-TREATMENT CELL PLUS ADDITIONAL PRE-TREATMENT



1. EXCAVATORS SHALL WORK FROM THE OUTSIDE THE GREEN INFRASTRUCTURE PRACTICE (GIP) FOOTPRINT. EXCAVATED AREAS SHALL NOT BE COMPACTED OR LOADED IN ANY WAY AS TO CAUSE SOIL COMPACTION.
2. DURING EXCAVATION, MOIST CONDITIONS MAY CAUSE FINES TO CLOG THE NATIVE SOIL SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL OR IF SMEARING OCCURS, HAND RAKE OR SCARIFY THE SURFACE TO A DEPTH OF 12" TO RESTORE INFILTRATION CAPACITY.
3. DURING CONSTRUCTION PHASE, CONTRACTOR SHALL DIVERT RUNOFF FLOW AROUND THE GIP AREAS TO ENSURE SEDIMENT DOES NOT ENTER.
4. RECYCLED MATERIAL IS NOT APPROVED FOR USE IN GIP FACILITIES.
5. UTILITIES AND IRRIGATION ARE PROHIBITED WITHIN THE GIP FOOTPRINT.
6. WATER QUALITY SIGNS SHALL BE INSTALLED IN ALL WATER QUALITY AREAS.

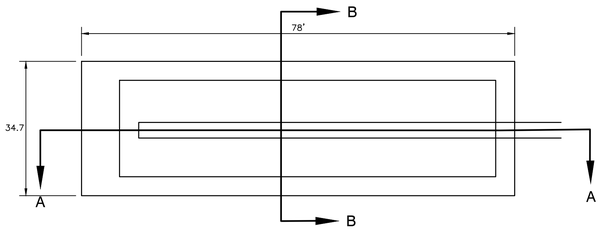
CONSTRUCTION SEQUENCING:

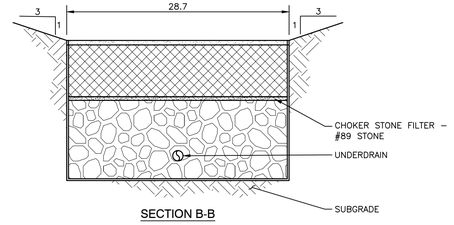
1. CONSTRUCT STORMWATER RUNOFF DIVERSIONS.
2. EXCAVATE GIP AREAS.
3. SCARIFY SUBGRADE BY RIPPING THE BOTTOM SOILS TO A DEPTH OF 12" PRIOR TO STONE PLACEMENT.
4. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT **(615) 791-3218.**
5. INSTALL STONE SUBBASE AND UNDERDRAINS. CONNECT UNDERDRAIN TO OUTLET STRUCTURE.
6. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT **(615) 791-3218.**
7. INSTALL ADDITIONAL STONE ON AND FLAG THE UNDERDRAIN (3' EACH SIDE).
8. A SMALL SKID STEER LOADER MAY TO BE USED FOR PLACEMENT OF ADDITIONAL SECTIONS AVOIDING THE UNDERDRAIN PIPE INSTALLATIONS.
9. DELIVER AND STORE SOIL MEDIA ON PLASTIC SHEETING WITH APPROPRIATE EROSION CONTROL MEASURES.
10. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT **(615) 791-3218.**
11. ALLOW 48 HOURS SETTLEMENT. DO NOT COMPACT WITH EQUIPMENT.
12. ADD ADDITIONAL MEDIA AS NEEDED TO ACHIEVE THE DESIGN ELEVATIONS.
13. INSTALL VEGETATION, AND WATER ACCORDINGLY. PERMANENT IRRIGATION IS PROHIBITED IN GIP.
14. INSTALL SPECIFIED GROUNDCOVER.
15. FLAG LIMITS OF GIP FOR SURVEY LOCATE AND SHOW ON AS-BUILT PLANS.

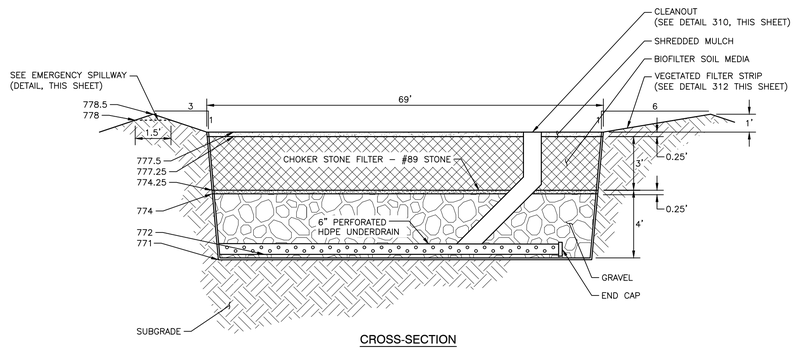
N.T.S.

BIORETENTION LEVEL 2 — TITLE	CITY OF FRANKLIN ENGINEERING 109 THIRD AVE SOUTH FRANKLIN, TN 37064	
GIP-01 (02) DWG.NO.	DIRECTOR OF ENGINEERING	12/7/2017 DATE
02/20/2017 EFFECTIVE DATE	STORMWATER COORDINATOR	12/7/2017 DATE

DETAIL 313
BIORETENTION MATERIAL SPECIFICATIONS
N.T.S.







CROSS-SECTION

Know what's **below.** **Call** before you dig.

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

NOTE:
GEOTECHNICAL REPORT BY COLLIER EN CO., INC. DATED 3/29/2018 INDICATES ABSENCE OF GROUNDWATER AND BEDROCK WITHIN 2 FEET OF BOTTOM ELEVATION OF WATER QUALITY BMPS.

DETAIL 314
BIORETENTION BASIN
N.T.S.

BIORETENTION INSTALLATION:

THE FOLLOWING IS A TYPICAL CONSTRUCTION SEQUENCE TO PROPERLY INSTALL A BIORETENTION BASIN. THESE STEPS MAY BE MODIFIED TO REFLECT DIFFERENT BIORETENTION APPLICATIONS OR EXPECTED SITE CONDITIONS:

STEP 1. CONSTRUCTION OF THE BIORETENTION AREA SHOULD BEGIN AFTER THE ENTIRE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED WITH VEGETATION. THIS IS THE MOST IMPORTANT FACTOR DETERMINING THE SUCCESS OR FAILURE OF THE BIORETENTION AREA. BIORETENTION AREAS WILL FAIL IF SEDIMENT IS ALLOWED TO FLOW INTO THEM. IT MAY BE NECESSARY TO BLOCK CERTAIN CURB OR OTHER INLETS WHILE THE BIORETENTION AREA IS BEING CONSTRUCTED. THE PROPOSED SITE SHOULD BE CHECKED FOR EXISTING UTILITIES PRIOR TO ANY EXCAVATION.

STEP 2. THE DESIGNER AND THE INSTALLER SHOULD HAVE A PRE–CONSTRUCTION MEETING, CHECKING THE BOUNDARIES OF THE CONTRIBUTING DRAINAGE AREA AND THE ACTUAL INLET ELEVATIONS TO ENSURE THEY CONFORM TO ORIGINAL DESIGN. SINCE OTHER CONTRACTORS MAY BE RESPONSIBLE FOR CONSTRUCTING PORTIONS OF THE SITE, IT IS QUITE COMMON TO FIND SUBTLE DIFFERENCES IN SITE GRADING, DRAINAGE AND PAVING ELEVATIONS THAT CAN PRODUCE HYDRAULICALLY IMPORTANT DIFFERENCES FOR THE PROPOSED BIORETENTION AREA. THE DESIGNER SHOULD CLEARLY COMMUNICATE, IN WRITING, ANY PROJECT CHANGES DETERMINED DURING THE PRE–CONSTRUCTION MEETING TO THE INSTALLER AND THE PLAN REVIEW/INSPECTION AUTHORITY.

STEP 3. TEMPORARY EPSC CONTROLS ARE NEEDED DURING CONSTRUCTION OF THE BIORETENTION AREA TO DIVERT STORMWATER AWAY FROM THE BIORETENTION AREA UNTIL IT IS COMPLETED. SPECIAL PROTECTION MEASURES SUCH AS EROSION CONTROL FABRICS MAY BE NEEDED TO PROTECT VULNERABLE SIDE SLOPES FROM EROSION DURING THE CONSTRUCTION PROCESS.

STEP 4. ANY PRE–TREATMENT CELLS SHOULD BE EXCAVATED FIRST AND THEN SEALED TO TRAP SEDIMENTS.

STEP 5. EXCAVATORS OR BACKHOES SHOULD WORK FROM THE SIDES TO EXCAVATE THE BIORETENTION AREA TO ITS APPROPRIATE DESIGN DEPTH AND DIMENSIONS. EXCAVATING EQUIPMENT SHOULD HAVE SCOOPS WITH ADEQUATE REACH SO THEY DO NOT HAVE TO SIT INSIDE THE FOOTPRINT OF THE BIORETENTION AREA. CONTRACTORS SHOULD USE A CELL CONSTRUCTION APPROACH IN LARGER BIORETENTION BASINS, WHEREBY THE BASIN IS SPLIT INTO 500 TO 1,000 SQ. FT. TEMPORARY CELLS WITH A 10–15 FOOT EARTH BRIDGE IN BETWEEN, SO THAT CELLS CAN BE EXCAVATED FROM THE SIDE.

STEP 6. IT MAY BE NECESSARY TO RIP THE BOTTOM SOILS TO A DEPTH OF 6 TO 12 INCHES TO PROMOTE GREATER INFILTRATION.

STEP 7. PLACE GEOTEXTILE FABRIC ON THE SIDES OF THE BIORETENTION AREA WITH A 6–INCH OVERLAP ON THE SIDES. IF A STONE STORAGE LAYER WILL BE USED, PLACE THE APPROPRIATE DEPTH OF #57 STONE ON THE BOTTOM, INSTALL THE PERFORATED UNDERDRAIN PIPE, PACK CLEAN–WASHED #57 STONE TO 3 INCHES ABOVE THE UNDERDRAIN PIPE, AND ADD APPROXIMATELY 3 INCHES OF CLEAN–WASHED #89 CHOKER STONE AS A FILTER BETWEEN THE UNDERDRAIN AND THE SOIL MEDIA LAYER. IF A STONE STORAGE LAYER IS USED, THE PIPE MAY BE PLACED DIRECTLY ABOVE THIS LAYER.

STEP 8. DELIVER OR PREPARE THE SOIL MEDIA, AND STORE IT ON AN ADJACENT IMPERVIOUS AREA OR PLASTIC SHEETING. APPLY THE MEDIA IN 12–INCH LIFTS UNTIL THE DESIRED TOP ELEVATION OF THE BIORETENTION AREA IS ACHIEVED. WAIT A FEW DAYS TO CHECK FOR SETTLEMENT, AND ADD ADDITIONAL MEDIA, AS NEEDED, TO ACHIEVE THE DESIGN ELEVATION.

STEP 9. PREPARE PLANTING HOLES FOR ANY TREES AND SHRUBS, INSTALL THE VEGETATION, AND WATER ACCORDINGLY. INSTALL ANY TEMPORARY IRRIGATION.

STEP 10. PLACE THE SURFACE COVER IN BOTH CELLS (MULCH, RIVER STONE OR TURF), DEPENDING ON THE DESIGN. IF COIR OR JUTE MATTING WILL BE USED IN LIEU OF MULCH, THE MATTING WILL NEED TO BE INSTALLED PRIOR TO PLANTING (STEP 9), AND HOLES OR SLITS WILL HAVE TO BE CUT IN THE MATTING TO INSTALL THE PLANTS.

STEP 11. INSTALL THE PLANT MATERIALS AS SHOWN IN THE LANDSCAPING PLAN, AND WATER THEM DURING WEEKS OF NO RAIN FOR THE FIRST TWO MONTHS.

STEP 12. CONDUCT THE FINAL CONSTRUCTION INSPECTION. THEN LOG THE GPS COORDINATES FOR EACH BIORETENTION FACILITY AND SUBMIT THEM TO THE CITY OF FRANKLIN.

CONTRACTOR, ENGINEER, OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE CITY OF FRANKLIN AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF THE PLANTING SOIL FILTER BED. AT THE COMPLETION OF INSTALLATION, THE ABOVE REFERENCED PERSON WILL COLLECT ONE SAMPLE PER BIORETENTION BED FOR ANALYSIS AND CONFIRMATION OF THE SOIL CHARACTERISTICS.

DETAIL 315
BIORETENTION BASIN INSTALLATION NOTES
N.T.S.

6.9 Bioretention Material Specifications

Table 1.9 outlines the standard material specifications used to construct bioretention areas.

Table 1.9. Bioretention Material Specifications

Material	Specification	Notes
Filter Media Composition	Filter Media to contain • 70% - 85% sand; • 10%-20% silt + clay, with clay ≤ 10%; and • 5% to 10% organic matter	The volume of filter media based on 110% of the plan volume, to account for settling or compaction.
Filter Media Testing	CEC greater than 10 meq/100g	
Mulch Layer	Use mulch meeting requirements specified in Section 6.6.	Lay a 3 inch layer on the surface of the filter bed.
Alternative Surface Cover	Use river stone or pea gravel, coir and jute matting.	Use to suppress weed growth & prevent erosion.
Geotextile/Liner	Use a non-woven geotextile fabric with a flow rate of > 110 gal./min./ft^2 (e.g., Geotex 351 or equivalent)	Apply only to the sides and above the underdrain. For hotspots and certain karst sites only, use an appropriate liner on bottom.
Choking Layer	Lay a 2 to 4 inch layer of sand over a 2 inch layer of choker stone (typically #8 or #89 washed gravel), which is laid over the underdrain stone.	
Stone Jacket for Underdrain and/or Storage Layer	12 inch layer of 1 inch stone should be double-washed and clean and free of all fines (e.g., #57 stone).	9 inches of 1 inch stone should cover the underdrain with 3 inches if stone above the top of the pipe; 12 to 18 inches for the stone storage layer (#57 stone), if needed
Underdrains, Cleanouts, and Observation Wells	Use 6 inch corrugated HDPE or PVC pipe with 3/8-inch perforations at 6 inches on center; position each underdrain on a 1% or 2% slope located no more than 20 feet from the next pipe.	Lay the perforated pipe under the length of the bioretention cell, and install nonperforated pipe as needed to connect with the storm drain system. Install T's and Y's as needed, depending on the underdrain configuration. Extend cleanout pipes to the surface with vented caps at the Ts and Ys.
Plant Materials	Shrubs: Minimum 3 gal or 18-24" ht at 4' o.c. (or 1plant/15 s.f.). Grasses, sedges, perennials: Size and max. spacing as called for in Tables 1.4, 1.5 and 1.6 herein. Trees: Minimum size 2" caliper, maximum spacing for Level 2 design of 1 tree/400 s.f. (NOTE: the 2" cal, minimum allows it to be counted toward landscape ordinance requirements)	Establish plant materials as specified in the landscaping plan and the recommended plant list. Alternate plant specification: When using the Forest-type planting template, Reforestation planting densities noted in GIP-10 may be used to meet these plant material specifications.

DETAIL 315
BIORETENTION MATERIAL SPECIFICATIONS
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — No. 109389 — STATE OF TENNESSEE — 6/7/2018

REVISION RECORD

NO	DESCRIPTION	DATE

CEC
Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

COF #: 6718

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

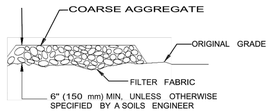
GRADING AND DRAINAGE DETAILS

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

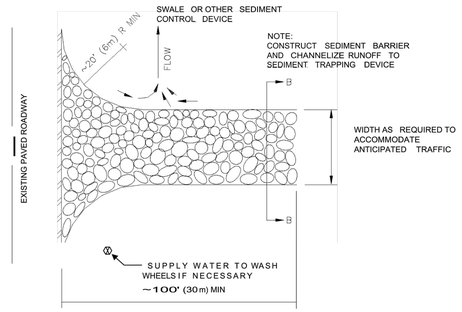
DRAWING NO.: C3.7

P:\2018\180-832\~CAD\DWG\c03 site plan submittal\180832-C000-C3.6.dwg[C3.7] LS:6/7/2018 - (jennings) - LP: 6/7/2018 4:07 PM

ACTIVITY: Stabilized Construction Entrance TCP- 01



SECTION B-B
N.T.S.



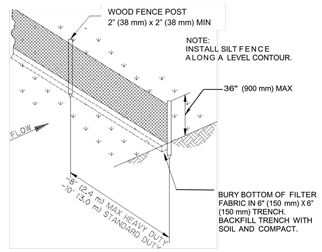
PLAN VIEW
N.T.S.

Figure TCP-01-1
Stabilized Construction Entrance

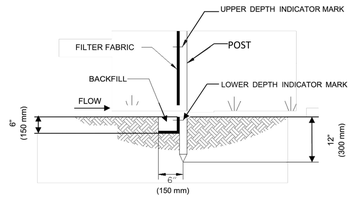
Stormwater Best Management Practices - Temporary Construction Site Runoff Management TCP-01-5 January 2014

DETAIL 900
CONSTRUCTION ENTRANCE
N.T.S.

ACTIVITY: Silt Fence TCP – 02



TYPICAL PREFABRICATED
SILT FENCE INSTALLATION
N.T.S.



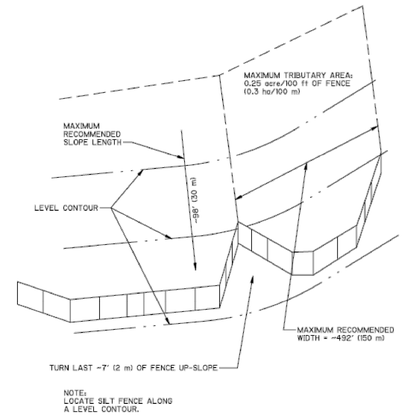
SECTION
N.T.S.

Figure TCP-02-1
Silt Fence Anchoring

Stormwater Best Management Practices- Temporary Construction Site Runoff Management TCP-02-7 January 2014

DETAIL 901
SILT FENCE
N.T.S.

ACTIVITY: Silt Fence TCP – 02

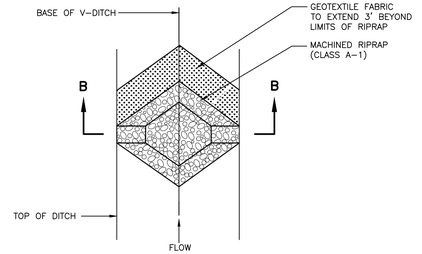


PLAN VIEW
N.T.S.

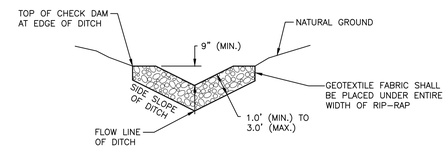
Figure TCP-02-2
Silt Fence End Layout

Stormwater Best Management Practices – Temporary Construction Site Runoff Management TCP-02-8

DETAIL 902
CHECK DAM
N.T.S.



PLAN VIEW



SECTION B-B

DETAIL 902
CHECK DAM
N.T.S.

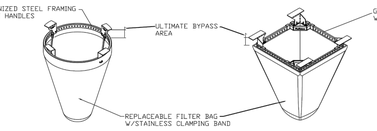
REVISION RECORD

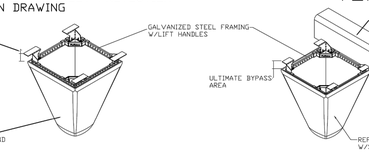
NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING

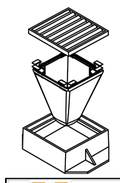
TENNESSEE





Product selection for FLEXSTORM CATCH-IT Filters (Temporary Inlet Protection)

TDOT Standard	JR HOE Catalog	JBS Catalog #	Inlet Type	Grate Size	Opening Size	Bag Cap. (ft^3)	FX Flow Ratings (CFS)	ADS P/N
TDOT std. #12, #10, #25, #41		3123	Curb Box (CB)	36.25 x 21.75	32.0 x 17.75	3.4	2.0	62LCBFX
TDOT std. #18		3061	Square/Rect (SQ)	24.875 x 26.25 (x2)	48 x 24	6.2	3.8	62XLSQFX
	HOE 518	4254	Square/Rect (SQ)	24 x 36	22 x 34	3.5	2.4	62LSQ2436FX
	HOE 525	3080	Curb Box (CB)	35.5 x 17.5	33.0 x 16.0	3.8	2.2	62LCBEXTFX
Nashville, TN std. CB		3300	Curb Box (CB)	31.375 x 21.375	29.5 x 19.0	3.3	2.0	62LCBFX
	HOE 280	4075	Square/Rect (SQ)	24 x 24	22 x 22	2.2	1.8	62MS22QFX
Memphis TN std. #10	HOE 320	4190	Square/Rect (SQ)	25.75 x 25.75	23.75 x 23.75	3.1	1.9	62MSQFX
		4220/4330	Square/Rect (SQ)	27.75 x 27.75	26 x 26	5.0	2.3	62LSQFX
Metro Nashville std.	HOE 568	4300/4310/4315	Square/Rect (SQ)	31.5 x 31.5	30.0 x 30.0	5.4	2.5	62XLSQFX
TDOT std. #42	HOE 595	4200/4260	Square/Rect (SQ)	35.5 x 35.5	33.25 X 33.25	6.1	2.6	62XLSQFX



FLEXSTORM INLET PROTECTION CATCH-IT

*FLOW RATINGS SHOWN ARE 50% MAXIMUM

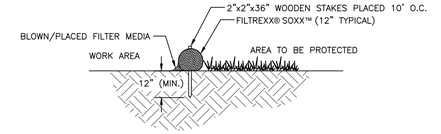
NOTES:
1. ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL FRAMING FOR PROLONGED PRODUCT LIFE.
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE. CONCRETE STRUCUTRES MAY REQUIRE ADDITIONAL REVIEW.
3. UPON ORDERING THE ADS P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:
1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

SIZE C | DWG NO C-TN-SUBMIT | REV A | SCALE | SHEET 1 OF 1

DETAIL 903
INLET PROTECTION
N.T.S.



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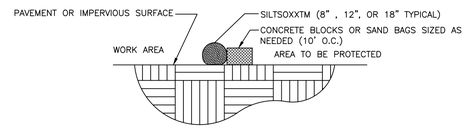

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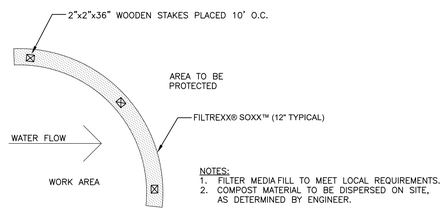
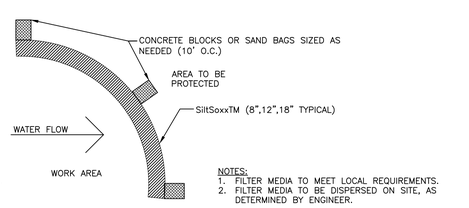


NOTES:
1. FILTER MEDIA FILL TO MEET LOCAL REQUIREMENTS.
2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

PLAN

FILTER SOCK ON SOIL



NOTES:
1. FILTER MEDIA TO MEET LOCAL REQUIREMENTS.
2. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

PLAN

FILTER SOCK ON PAVEMENT

DETAIL 904
FILTER SOCK
N.T.S.

COF #: 6718

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

EPSC DETAILS

DRAWN BY:	PEC
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DATE:	JUNE 2018
DWG SCALE:	AS SHOWN

DRAWING NO.: **C3.8**

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

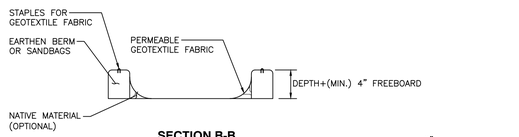
ROBERT G. MORTON — REGISTERED ENGINEER — XVI — AGRICULTURE — 6/7/2018 — No. 109302 — STATE OF TENNESSEE

Know what's below. Call before you dig.

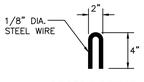
NOTE TO CONTRACTOR:

1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

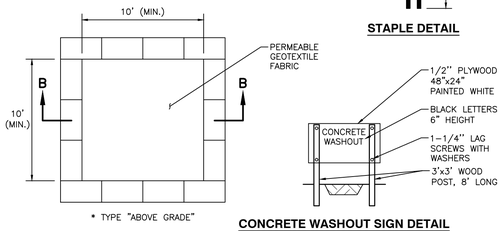
a:\2018\180-832\--CAD\Dwg\c07 site plan submittal\180832-CVSS--C16.dwg[C3.8] 15/6/7/2018 - (jennings) - LPL 6/7/2018 4:07 PM



SECTION B-B



STAPLE DETAIL

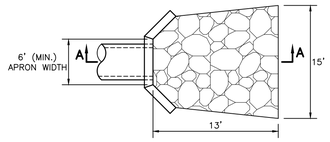


PLAN

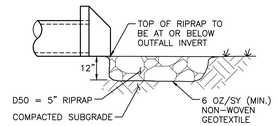
CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

DETAIL 905
CONCRETE WASHOUT FACILITY
N.T.S.



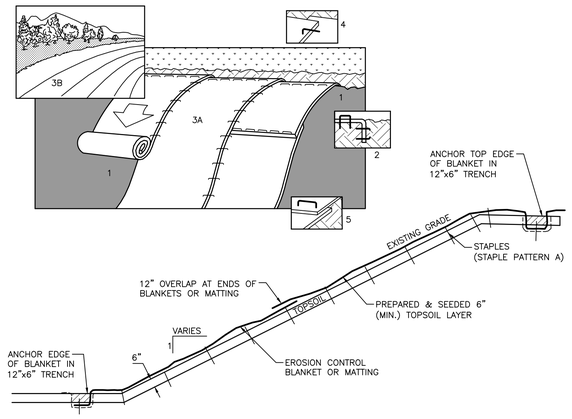
PLAN



SECTION A-A

NOTE:
APRON TO BE INSTALLED IN ACCORDANCE WITH TDEC REQUIREMENTS.

DETAIL 906
RIP-RAP APRON
N.T.S.



NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. GRADE THE SURFACE BEFORE INSTALLATION SO THE GROUND IS SMOOTH AND SOIL LOOSE. ALL GULLIES, RILLS, AND OTHER DISTURBED AREAS MUST BE FINE GRADED PRIOR TO INSTALLATION.
3. SPREAD SEED BEFORE BLANKET INSTALLATION.
4. REMOVE ALL LARGE ROCKS, DIRT CLODS, STUMPS, ROOTS, GRASS CLUMPS, TRASH, AND OTHER OBSTRUCTIONS FROM THE SOIL SURFACE TO ALLOW DIRECT CONTACT BETWEEN THE SOIL AND BLANKET.
5. PLACE BLANKET 2-3 FEET OVER THE TOP OF THE SLOPE AND INTO AN EXCAVATED END TRENCH 12" DEEPx6" WIDE. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
7. OVERLAP ADJACENT ROLLS A MINIMUM OF 3 INCHES.
8. PIN THE BLANKET TO THE GROUND USING STAPLES OR PINS IN A 3' CENTER-TO-CENTER PATTERN, OR AS RECOMMENDED BY THE MANUFACTURER.
9. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 12" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
10. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL 5:1 AND STEEPER SLOPES WITH A MINIMUM OF 6 INCHES OF TOPSOIL.
11. EROSION CONTROL BLANKET TO BE TENSAR NORTH AMERICAN GREEN S150 OR APPROVED EQUAL, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
12. TURF REINFORCEMENT MATTING TO BE TENSAR NORTH AMERICAN GREEN SC250 OR APPROVED EQUAL, INSTALLED PER MANUFACTURERS' RECOMMENDATIONS ON GRASS CHANNEL INVERTS, AND AS NOTED ON PLANS.
13. REFER TO MANUFACTURER'S INSTRUCTIONS FOR SPECIFIC INSTALLATION PROCEDURES.

DETAIL 907
EROSION CONTROL BLANKET / MATTING
N.T.S.

Know what's **below.** **Call** before you dig.

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — XVI — STATE OF TENNESSEE — 6/7/2018

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

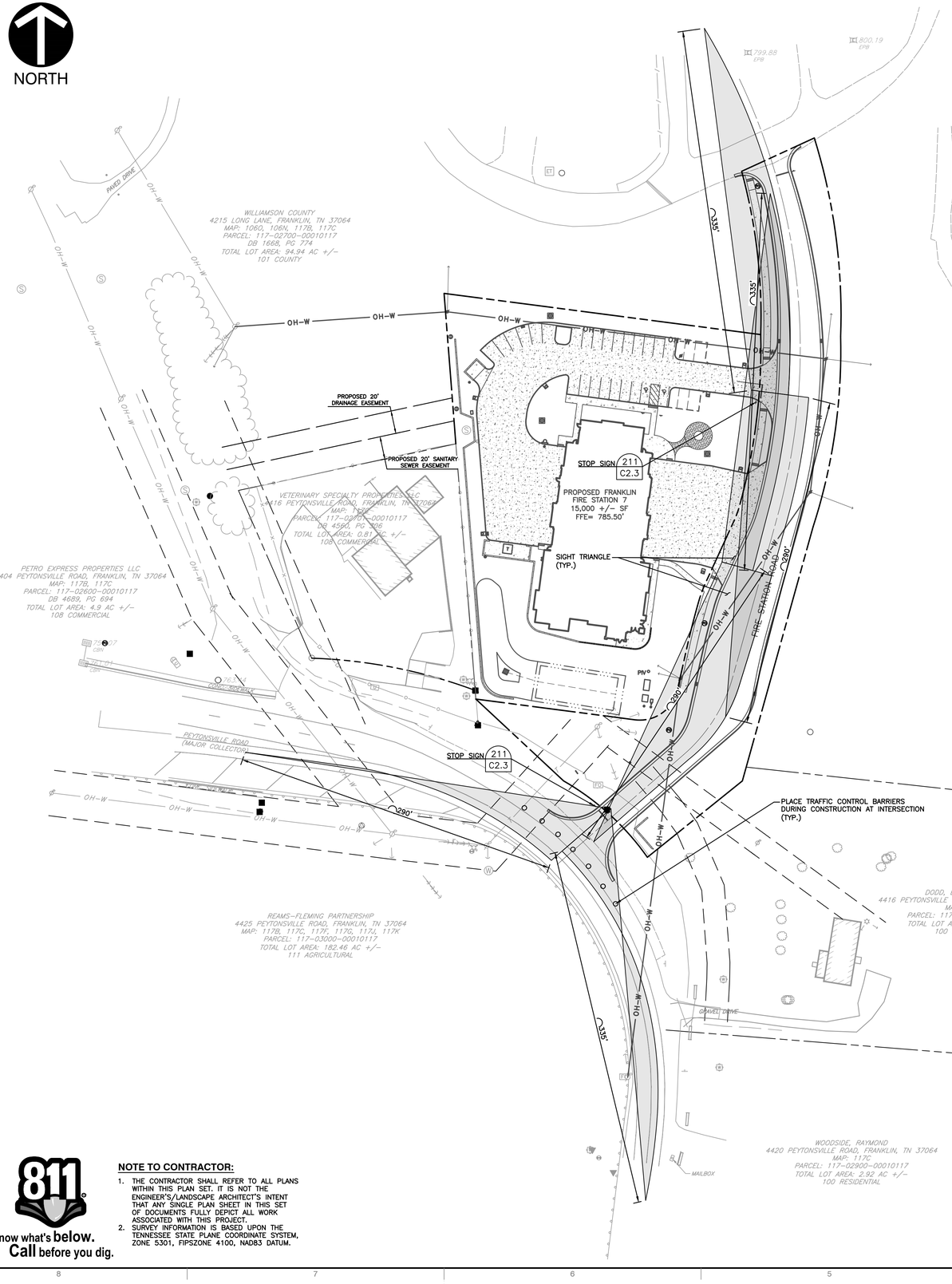
EPSC DETAILS

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C3.9

P:\2018\180-832\1-CAD\Dwg\c01 site plan submittal\180832-C05-C3.6.dwg[C3.9] LS(6/7/2018 - (jennings) - LP: 6/7/2018 4:07 PM

NORTH



LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- PROPOSED PROPERTY LINE
- PROPOSED EDGE OF ROAD
- PROPOSED EXTRUDED CURB
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TRUNCATED DOMES
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED SIGN
- PROPOSED UTILITY EASEMENT
- DETAIL NUMBER / SHEET NUMBER

REVISION RECORD

NO	DATE	DESCRIPTION

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RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

CITY OF FRANKLIN R.O.W. & ACCESS GENERAL NOTES:

1. PRIOR TO BEGINNING ANY CONSTRUCTION, THE DEVELOPER AND/OR CONTRACTOR, SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED BY LAW. SUCH PERMITS MAY INCLUDE, BUT ARE NOT LIMITED TO, THOSE REQUIRED BY STATE OF TENNESSEE, WILLIAMSON COUNTY AND OTHER CITY OF FRANKLIN AGENCIES.
2. ALL OFF-SITE WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WHICH COMPLIES WITH THE MUTCD. NO OFF-SITE EXCAVATION MAY BE UNDERTAKEN IN ANY STREET, ROAD, ALLEY OR RIGHT-OF-WAY OF ANY UTILITY OR TEMPORARY CONSTRUCTION EASEMENT OF THE CITY OF FRANKLIN BY ANY ENTITY UNLESS 72-HOUR NOTICE HAS BEEN GIVEN TO THE CITY OF FRANKLIN TRAFFIC OPERATIONS CENTER. THE CONTRACTOR SHALL HAVE AN APPROVED TRAFFIC CONTROL PLAN ONSITE DURING CONSTRUCTION.
3. LOCATING AND COORDINATION FOR THE RELOCATION OF EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. TENNESSEE'S ONE-CALL AND THE CITY OF FRANKLIN UTILITY LOCATION SERVICE SHALL BE UTILIZED IN ADDITION TO COORDINATION WITH LOCAL UTILITY OWNERS. THE CONTRACTOR SHALL AT ALL TIMES PROTECT EXISTING UTILITIES AND WILL BE RESPONSIBLE FOR COSTS DUE TO DAMAGE CAUSED TO ANY UTILITY LINES.

R.O.W. & ACCESS DATA CHART:

DAILY TRIP GENERATION:	--- VEH. PER DAY
PEAK HOUR TRIP GENERATION:	--- VEH. PER HOUR
TRAFFIC IMPACT STUDY REQUIRED:	NO
CIRCULATION PLAN REQUIRED:	NO

NOTE:

THE DESIGN CONCEPT IS TO DEVELOP NEW FIRE STATION FOR THE FRANKLIN FIRE DEPARTMENT.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109280
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 50 100

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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RIGHT OF WAY & ACCESS PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.:
C4.0

p:\2018\180-832\1-CADD\dwg\civil plan submittal\180832-CVRD-C4.0.dwg[C4.0] LS:(6/7/2018 - pchimes) - LP: 6/7/2018 4:08 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106D, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

PROPOSED 20' DRAINAGE EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

PEYTONSVILLE ROAD
(MAJOR COLLECTOR)

FIRE STATION ROAD

CONC. SIDEWALK

GRAVEL DRIVE

799.88 EPB

800.19 EPB

PIV

OH-W

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
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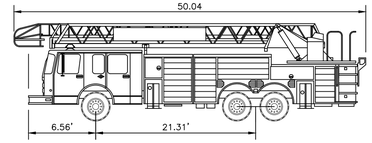
- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED SIGN
- PROPOSED UTILITY EASEMENT
- DETAIL NUMBER / SHEET NUMBER



CITY OF FRANKLIN
FIRETRUCK 2

WIDTH:	8'-4"
TRACK:	8'-0"
LOCK TO LOCK TIME:	6.0 s
STEERING LOCK ANGLE:	38°

COF #: 6718

NOTE:

THE DESIGN CONCEPT IS TO DEVELOP NEW FIRE STATION FOR THE FRANKLIN FIRE DEPARTMENT.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 108302
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

811 Know what's below. Call before you dig.

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REVISION RECORD

NO	DATE	DESCRIPTION

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325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

AUTOTURN PLAN - FIRE TRUCK

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
APPROVED BY:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
	AS SHOWN

DRAWING NO.:
C4.1

a:\2018\180-832\--CAD\Dwg\c4\1 site plan submittal\180832-CVSD-C4.5.dwg[C4.1] 5/6/7/2018 - pdimmel - LR 6/7/2018 4:58 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

PROPOSED 20' DRAINAGE EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

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4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
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REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

FIRE STATION ROAD

CONC. SIDEWALK

GRAVEL DRIVE

290'

335'

799.88 EPB

800.19 EPB

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
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- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED SIGN
- PROPOSED UTILITY EASEMENT
- DETAIL NUMBER / SHEET NUMBER

CITY OF FRANKLIN
FIRETRUCK 2

WIDTH:	8'-4"
TRACK:	8'-0"
LOCK TO LOCK TIME:	6.0 s
STEERING LOCK ANGLE:	38°

COF #: 6718

NOTE:

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PRELIMINARY
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ROBERT G. MORTON
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No. 108302
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

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www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

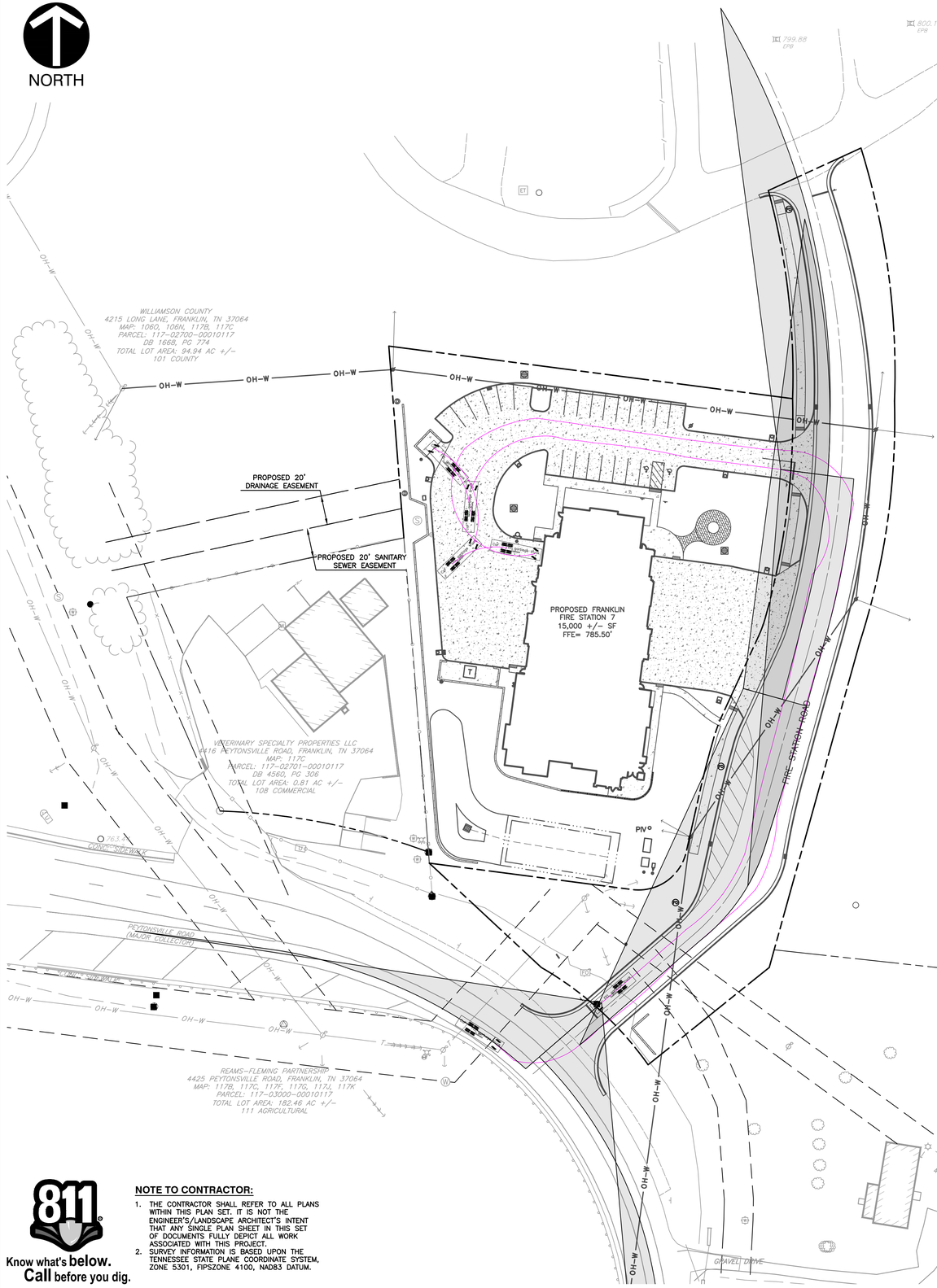
AUTOTURN PLAN - FIRE TRUCK [FUTURE]

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C4.2

J:\2018\180-832\--CAD\Dwg\c4-2 site plan submittal\180832-CVSD-C4.5.dwg[C4.2] 15/6/7/2018 - pdimmel - LR 6/7/2018 4:58 PM

NORTH



LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
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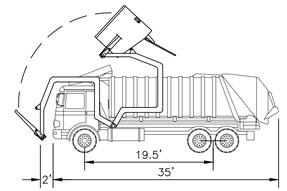

CITY OF FRANKLIN
FRONT-END-LOADER

WIDTH:	8'-1"
TRACK:	6'-6"
LOCK TO LOCK TIME:	6.0 s
STEERING LOCK ANGLE:	25.4°

COF #: 6718

NOTE:

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109302
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

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RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

AUTOTURN PLAN - TRASH TRUCK

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C4.3

A:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVSD-C4.0.dwg[C4.3] LS(6/7/2018 - pchilman) - LP, 6/7/2018 4:09 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
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101 COUNTY

PROPOSED 20' DRAINAGE EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

799.88 EPB

800.19 EPB

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PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

PEYTONSVILLE ROAD
(MAJOR COLLECTOR)

FIRE STATION ROAD

REAMS-FLEMING PARTNERSHIP
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MAP: 117B, 117C, 117E, 117G, 117J, 117K
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TOTAL LOT AREA: 3.03 AC +/-
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290'

335'

GRAVEL DRIVE

CONC. SIDEWALK

PIV

OH-W

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
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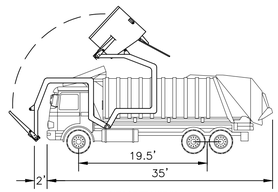

CITY OF FRANKLIN
FRONT-END-LOADER

WIDTH:	8'-1"
TRACK:	6'-6"
LOCK TO LOCK TIME:	6.0 s
STEERING LOCK ANGLE:	25.4°

COF #: 6718

NOTE:

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 108362
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 40 80

Know what's below. Call before you dig.

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PEYTONSVILLE ROAD
FRANKLIN, TN

AUTOTURN PLAN - TRASH TRUCK [FUTURE]

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C4.4

p:\2018\180-832\1-CAD\Dwg\c01 site plan submittal\180832-CV00-C4.0.dwg[C4.4] LS(6/7/2018 - pchilman) - LP: 6/7/2018 4:59 PM

NORTH

TEMPORARY STRIPING UNTIL COMPLETION OF GOOSE CREEK EXTENSION

PROPOSED FRANKLIN FIRE STATION 7 15,000 ± SF FFE= 785.50'

FIRE STATION ROAD

20' UTILITY EASEMENT

401 C4.6 CURB AND GUTTER END FLARE (TYP.)

400 C4.6 ASPHALT PAVING IN ROADWAY

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVERHEAD UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING TRANSFORMER
- EXISTING UTILITY BOX
- EXISTING UTILITY MANHOLE
- EXISTING UNDERGROUND WATER LINE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- PROPOSED EDGE OF ROAD
- PROPOSED EXTRUDED CURB
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TRUNCATED DOMES
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED PAVEMENT MARKING
- PROPOSED STRUCTURE
- PROPOSED SIGN

PVI STA = 499+18.66
PVI ELEV = 771.72
LVC = 17.33
K = 4.4

PVI STA = 500+91.11
PVI ELEV = 781.77
LVC = 14.37
K = 3.8

PVI STA = 503+67.73
PVI ELEV = 787.30
LVC = 100.00
K = 25.0

PVI STA = 505+43.57
PVI ELEV = 797.85
LVC = 80.00
K = 20.0

TIE INTO EXISTING PEYTONSVILLE ROAD

VPC Sta 499+10.00
VPC Elev 771.58

VPT Sta 499+27.33
VPT Elev 772.22

+1.86%

-5.83%

VPC Sta 500+83.93
VPC Elev 781.35

VPT Sta 500+98.30
VPT Elev 781.91

TIE INTO FUTURE GOOSE CREEK EXTENSION

24" CLASS III RCP
INV=777.02

PROPOSED ROAD SURFACE

EXISTING GROUND

+2.00%

APPARATUS BAY EDGE OF DRIVE

APPARATUS BAY CURB RETURN

VPC Sta 503+17.69
VPC Elev 786.30

EDGE OF DRIVEWAY

DRIVEWAY CURB RETURN

VPT Sta 504+17.69
VPT Elev 790.30

24" CLASS III RCP
INV=785.03

+6.00%

VPC Sta 505+03.57
VPC Elev 795.45

VPT Sta 505+83.57
VPT Elev 798.65

+2.00%

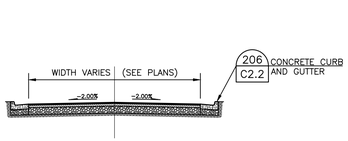
TIE INTO EXISTING FAIR GROUNDS ROAD

850 / 800 / 750 / 700

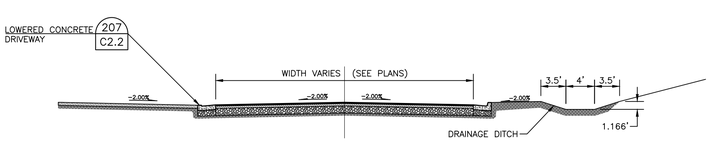
498+50 | 499+00 | 500+00 | 501+00 | 502+00 | 503+00 | 504+00 | 505+00 | 506+00

FIRE STATION ROAD DRIVEWAY PROFILE

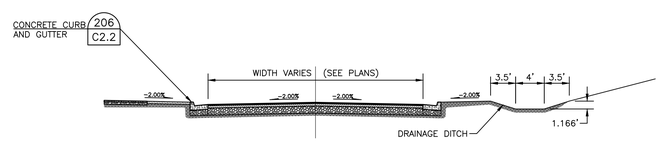
SCALE H:1"=40'; V:1"=40'



SECTION A-A
STATION: 499+75



SECTION B-B
STATION: 503+73.4



SECTION C-C
STATION: 504+75

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED ENGINEER — No. 108382 — STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 30 60

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

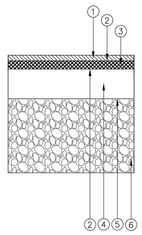
COF #: 6718

FIRE STATION ROAD PLAN, PROFILE, & SECTIONS

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C4.5

P:\2018\180-832\1-CAD\Dwg\c01 site plan submittal\180832-CVDD-C4.5.dwg[C4.5] LS(6/6/2018 - (jennings) - LP: 6/7/2018 4:09 PM



PAVEMENT SCHEDULE

(1) 1.5" – BITUMINOUS SURFACE COURSE
411-02.10 ACS MIX(PG70-22) GRADING D

(2) TACK COAT
403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @0.02 GAL/SY

(3) 3" – BITUMINOUS AGGREGATE BASE
307-02.08 ASPHALT CONCRETE MIX (PG70-22)(BPMB-HM) GRADING B-M2

(4) 4" – BITUMINOUS AGGREGATE BASE
307-02.01 ASPHALT CEMENT MIX BASE (PG70-22) BPMB-HM GRADING "A" (APPROX 460 LBS/SY)

PRIME COAT
(5) 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @0.30-0.35 GAL/SY
402-02 AGGREGATE FOR COVER MATERIAL (PC) @8-12LBS/SY

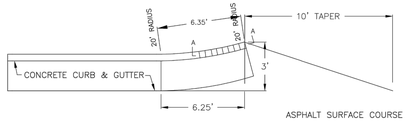
(6) 10" MINERAL AGGREGATE BASE 303-01 MINERAL
303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING"D"

GENERAL NOTES
1. MAXIMUM SIDESLOPE WHETHER IN CUT OR FILL IS TO BE 3:1.
2. ASPHALT THICKNESSES ARE MINIMUMS. THICKNESSES TO BE DETERMINED BY GEOTECHNICAL DESIGN.
3. REFERENCE TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

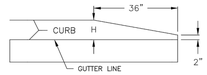
N.T.S

CITY OF FRANKLIN	
MAJOR AND MINOR COLLECTOR	CITY ENGINEER 7/1/2017 DATE
DWG. NO. RD-2 EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

DETAIL 400
ASPHALT PAVEMENT
N.T.S.



PLAN VIEW



SECTION A-A

GENERAL NOTES
1. "H" = HEIGHT OF CURB IN INCHES

N.T.S

CITY OF FRANKLIN	
CURB & GUTTER END FLARE & TRANSITION	CITY ENGINEER 7/1/2017 DATE
DWG. NO. RP-4 EFFECTIVE DATE: 7/1/2017	ASST. DIRECTOR OF ENG. 7/1/2017 DATE

DETAIL 401
CURB AND GUTTER END FLARE
N.T.S.

811 Know what's below. Call before you dig.

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109382
STATE OF TENNESSEE
6/7/2018

REVISION RECORD

NO	DATE	DESCRIPTION

CEC
Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

R.O.W. AND ACCESS DETAILS

DATE:	JUNE 2018	DRAWN BY:	PEC
DWG SCALE:	AS SHOWN	CHECKED BY:	EJG
PROJECT NO:			180-832
APPROVED BY:			AS SHOWN

DRAWING NO.:
C4.6

A:\2018\180-832\<CADD\Dwg\c01 site plan submittal\180832-CVDD-C4.6.dwg[C4.6] LS(5/11/2018 - (Jennings) - LA 6/7/2018 4:59 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106G, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

IRRIGATION STUB-OUT:
2" GATE VALVE AND VALVE BOX
403 C5.2

CONNECT 2" IRRIGATION LINE TO RECLAIMED WATERLINE PROVIDE METER AND BOX
50 C5.2

PROPOSED 20' DRAINAGE EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

VETERINARY SPECIALTY
4418 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.87 AC +/-
108 COMMERCIAL

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

END 2" FIBER OPTIC CONDUIT IN PULL BOX

NEW POLE (TYP.)
(COORDINATE WITH MTEMC)

FIBER OPTIC TO DATA ROOM
(SEE ARCH. PLANS)

FIBER OPTIC PULL BOX
(TYP.) (SEE NOTE 6)

402 C5.2 PIPE BEDDING (TYP.)

CONNECT DUCT TO EXISTING FIBER OPTIC PULLBOX IN NORTH-WEST QUADRANT OF LONG LANE

INSTALL CONDUIT THROUGH 3" SLEEVE BORED UNDER LONG LANE (CONTACT CITY OF FRANKLIN FOR INSTALLATION DETAILS)

2" FIBER OPTIC CONDUIT (SEE NOTE 6)

PETRO EXPRESS PROPERTIES LLC
4404 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C
PARCEL: 117-02600-00010117
DB 4689, PG 694
TOTAL LOT AREA: 4.9 AC +/-
108 COMMERCIAL

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

40' UTILITY EASEMENT

EXISTING FIRE HYDRANTS

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

CONNECT TO EXISTING 12" WATER MAIN WITH 12"x6" TAPPING SLEEVE AND VALVE (SEE NOTE 5)

20' UTILITY EASEMENT

20' UTILITY EASEMENT

DODD, BRANT NELSON
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02800-00010117
TOTAL LOT AREA: 3.03 AC +/-
100 RESIDENTIAL

WOODSIDE, RAYMOND
4420 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02900-00010117
TOTAL LOT AREA: 2.92 AC +/-
100 RESIDENTIAL

FIRE STATION ROAD

LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
- EXISTING GATE
- EXISTING GUARD RAIL
- EXISTING OVERHEAD ELECTRIC LINE
- UG-E EXISTING UNDERGROUND ELECTRIC
- UG-T EXISTING UNDERGROUND TELECOMUNICATIONS LINE
- EXISTING GUY WIRE
- EXISTING OVEHREAD UTILITY POLE
- EXISTING LIGHT POLE
- ET EXISTING TRANSFORMER
- U EXISTING UTILITY BOX
- U EXISTING UTILITY MANHOLE
- W EXISTING UNDERGROUND WATER LINE
- W EXISTING WATER METER
- EXISTING FIRE HYDRANT
- W EXISTING WATER VALVE
- W EXISTING WATER MANHOLE
- EXISTING CATCH BASIN
- ST EXISTING STORM SEWER LINE
- SAN EXISTING SANITARY SEWER LINE
- S EXISTING SANITARY MANHOLE
- EXISTING SIGN
- EXISTING BOLLARD
- FO EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC PULL BOX
- EXISTING TREE
- EXISTING TREE LINE
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- PROPOSED UTILITY EASEMENT
- E PROPOSED UNDERGROUND ELECTRIC LINE
- PROPOSED LIGHT POLES
- T PROPOSED TRANSFORMER
- SAN PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER CLEANOUT
- W PROPOSED WATER LINE
- IW PROPOSED IRRIGATION WATER LINE
- FW PROPOSED FIRE WATER LINE
- DW PROPOSED DOMESTIC WATER LINE
- PROPOSED WATER METER BOX
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER FITTING
- PIV PROPOSED POST INDICATOR VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION
- FO PROPOSED FIBER OPTIC LINE
- FO PROPOSED FIBER OPTIC PULL BOX
- PROPOSED IRRIGATION SLEEVE
- OH-W PROPOSED MTEMC ELECTRIC TRANSMISSION LINE
- PROPOSED MTEMC ELECTRIC POLE
- PROPOSED MTEMC GUY WIRE

COF #: 6718

UTILITY NOTES:

1. BEGINNING AT THE FIRE METER, ALL UNDERGROUND PIPING FOR THE FIRE PROTECTION SYSTEM MUST BE DESIGNED AND INSTALLED BY A LICENSED FIRE PROTECTION CONTRACTOR. FIRE PROTECTION PLANS SHALL BE SUBMITTED UNDER SEPARATE SUBMITTAL FOR REVIEW AND APPROVAL. SITE UTILITY IS NOT SPECIFICALLY APPROVED FOR FIRE PROTECTION INSTALLATION.
2. AS REQUIRED BY STATE REGULATIONS, ALL FIRE PROTECTION WATER LINES PAST FIRE FLOW METER AND/OR BACKFLOW, SHALL BE INSTALLED BY A LICENSED FIRE PROTECTION CONTRACTOR.
3. PRIOR TO INSTALLATION OF FIRE PROTECTION WATER LINES (AKA "UNDERGROUND"), THE LICENSED FIRE PROTECTION CONTRACTOR WHO WILL BE INSTALLING THE FIRE LINE OR SUPERVISING THE INSTALLATION SHALL SUBMIT UNDERGROUND FIRE PROTECTION PLANS TO THE FIRE DEPARTMENT VIA THE ONLINE REVIEW SYSTEM.
4. USE OF THE CIVIL SITE PLAN IS NOT PERMITTED FOR USE AS THE "INSTALLATION SHOP DRAWING" NOR SHALL APPROVAL OF THE SITE PLAN'S UTILITY SHEETS BE CONSIDERED AS AN APPROVAL OF THE FIRE PROTECTION WORK TO BE PERFORMED.
5. WATER SERVICE CONNECTION TO BE MADE IN ACCORDANCE WITH SERVICE PROVIDER REQUIREMENTS.
6. FIBER OPTIC CONDUIT TO BE SCH. 40 PVC WITH PULL BOXES LOCATED EVERY 500 FT.

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
No. 109295
STATE OF TENNESSEE
6/7/2018

SCALE IN FEET
0 60 120

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

OVERALL UTILITY PLAN

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN

DRAWING NO.:
C5.0

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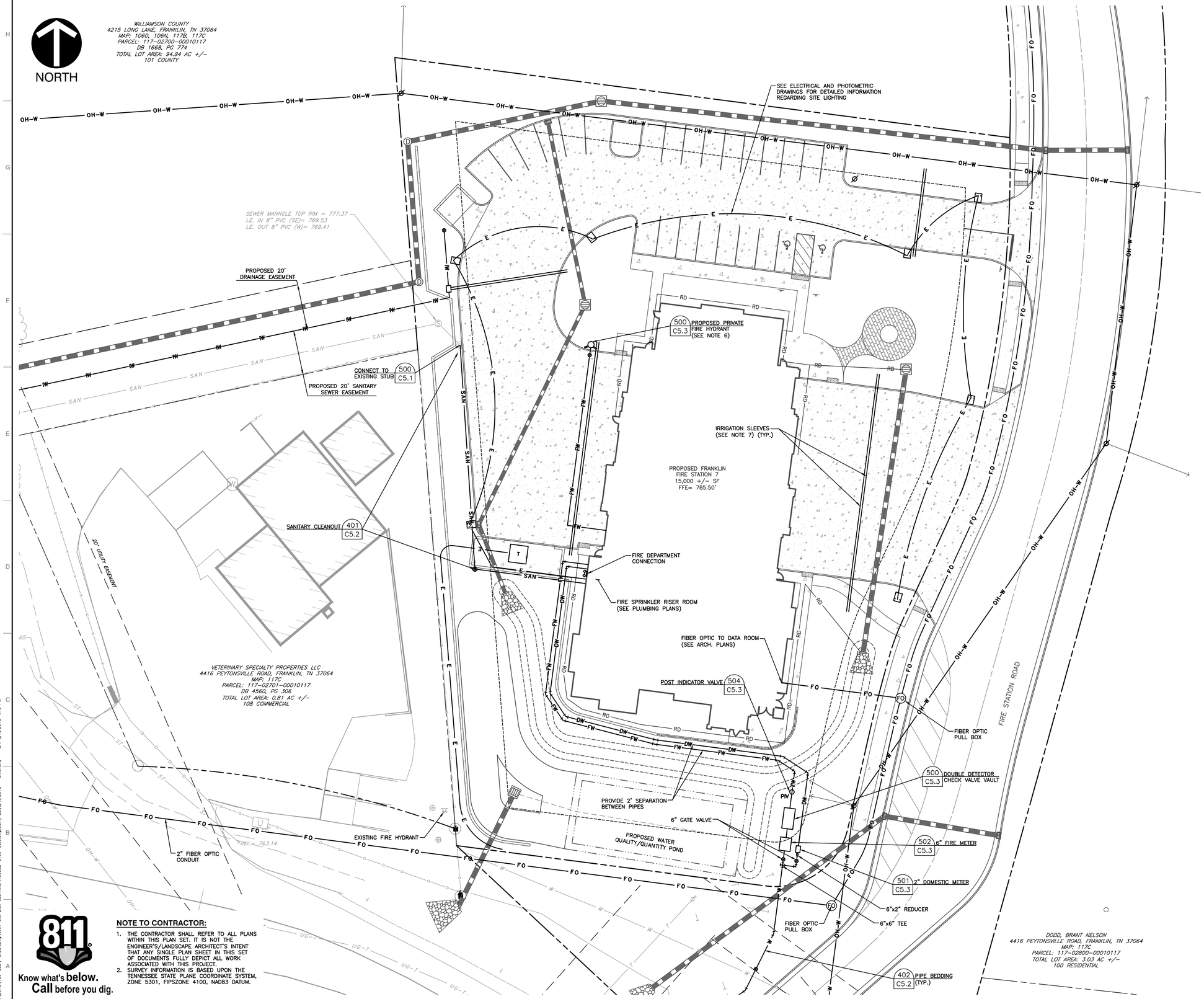

LEGEND

- EXISTING RIGHT-OF-WAY MONUMENT
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING SIDEWALK
- EXISTING PAVEMENT MARKINGS
- EXISTING STRUCTURE
- EXISTING WALL
- EXISTING FENCE
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- PROPOSED IRRIGATION SLEEVE
- OH-W PROPOSED MTEMC ELECTRIC TRANSMISSION LINE
- PROPOSED MTEMC ELECTRIC POLE
- PROPOSED MTEMC GUY WIRE
- DETAIL NUMBER / SHEET NUMBER

COF #: 6718

UTILITY NOTES:

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4. USE OF THE CIVIL SITE PLAN IS NOT PERMITTED FOR USE AS THE "INSTALLATION SHOP DRAWING" NOR SHALL APPROVAL OF THE SITE PLAN'S UTILITY SHEETS BE CONSIDERED AS AN APPROVAL OF THE FIRE PROTECTION WORK TO BE PERFORMED.
5. BACKFLOW DEVICE FOR DOMESTIC TO BE LOCATED IN BUILDING. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
6. FIRE HYDRANT TO BE PAINTED SILVER.
7. CONTRACTOR TO PROVIDE 2 – 4" DIA. SCHEDULE 40 CONDUITS 24" BELOW PROPOSED GRADE FOR IRRIGATION INSTALLATION.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
XVI
STATE OF TENNESSEE
No. 108305
6/7/2018

SCALE IN FEET
0 20 40

811 Know what's below. Call before you dig.

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REVISION RECORD

NO	DATE	DESCRIPTION

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www.cecinc.com

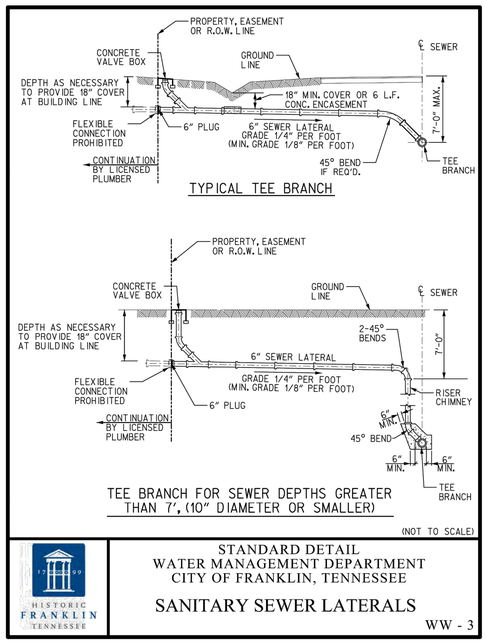
RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PEYTONSVILLE ROAD
FRANKLIN, TN

ENLARGED UTILITY PLAN

DATE:	JUNE 2018
DRAWN BY:	PEC
DWG SCALE:	AS SHOWN
CHECKED BY:	EJG
PROJECT NO:	180-032
APPROVED BY:	AS SHOWN

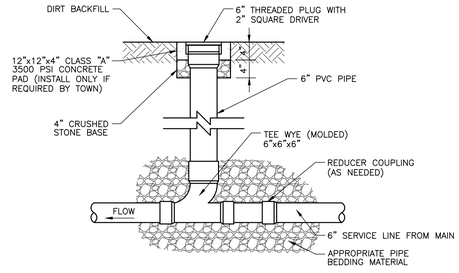
DRAWING NO.:
C5.1

P:\2018\180-032\1-2400\dwg\civil site plan submittal\180032-C500-C5.0.dwg(C5.1) LS(6/7/2018 - bmorton) - LP, 6/7/2018 4:10 PM



STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
SANITARY SEWER LATERALS
WW - 3

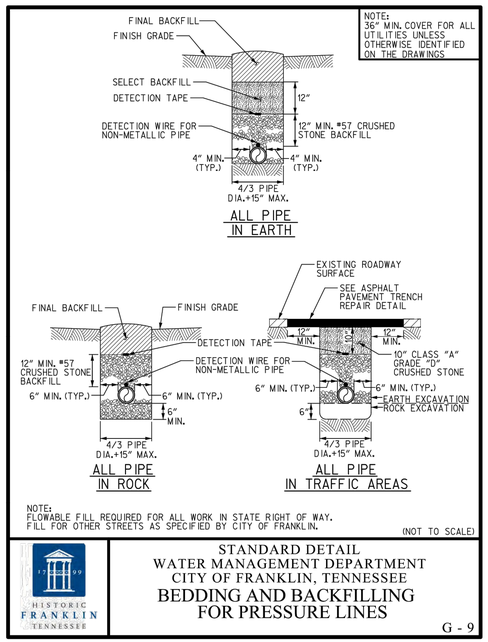
DETAIL 400
SANITARY SEWER SERVICE CONNECTION
N.T.S.



SECTION (SERVICE LINE CLEANOUT ON PRIVATE PROPERTY)

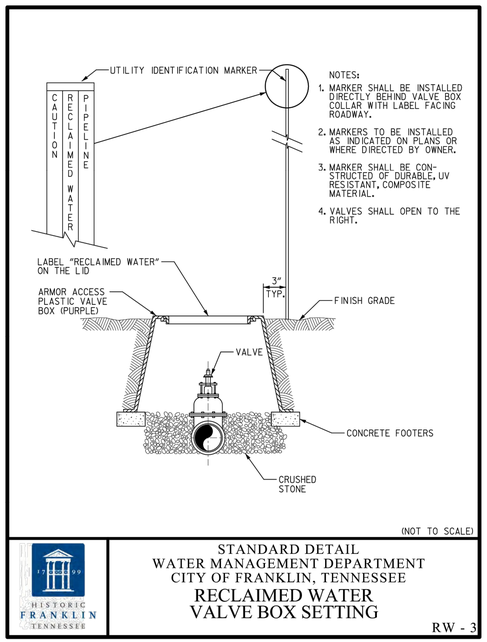
NOTES:
1. ALL FITTINGS AND LINES TO BE SDR 35 PVC (SOLVENT WELD).
2. WHEN SERVICE LINE FROM MAINLINE IS 4", ALL FITTINGS AND LINES TO BE 4".
3. CONTRACTOR SHALL CONFIRM DETAILS OF FORCE MAIN CLEANOUT WITH THE TOWN PRIOR TO CONSTRUCTION.

DETAIL 401
SANITARY SEWER CLEANOUT
N.T.S.



STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
BEDDING AND BACKFILLING
FOR PRESSURE LINES
G - 9

DETAIL 402
TYPICAL PIPE BEDDING REQUIREMENTS
N.T.S.



STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
RECLAIMED WATER
VALVE BOX SETTING
RW - 3

DETAIL 403
RECLAIMED WATER VALVE BOX
N.T.S.

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

SEWER AND RECLAIMED WATER DETAILS

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	
APPROVED BY:	
DRAWN BY:	PEC
CHECKED BY:	EJG
	180-832
	AS SHOWN

DRAWING NO.:
C5.2

Know what's **below.** **Call** before you dig.

NOTE TO CONTRACTOR:
1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON
REGISTERED ENGINEER
XVI
AGRICULTURE
6/7/2018
No. 108382
STATE OF TENNESSEE

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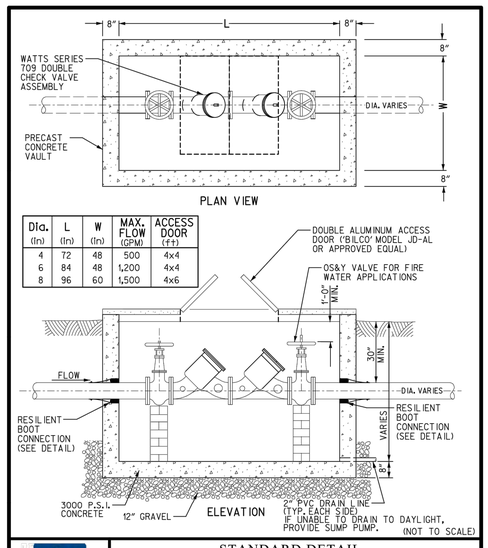
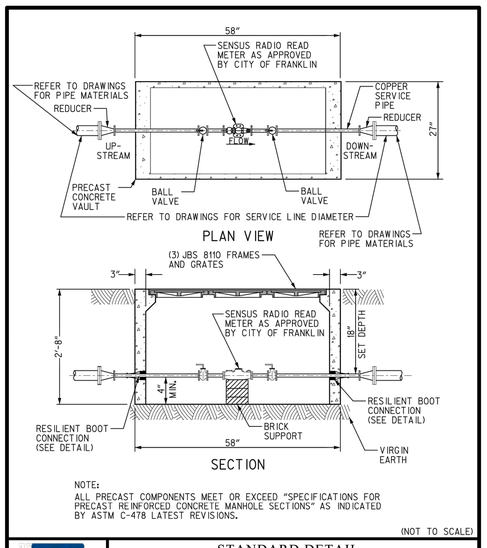


Dia. (In)	L (In)	W (In)	MAX. FLOW (GPM)	ACCESS DOOR (ft)
4	72	48	500	4x4
6	84	48	1,200	4x4
8	96	60	1,500	4x6

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
DOUBLE CHECK VALVE ASSEMBLY FOR 4" TO 8" LINES (BELOW GROUND)
W - 6

DETAIL 500
DOUBLE CHECK VALVE ASSEMBLY
N.T.S.

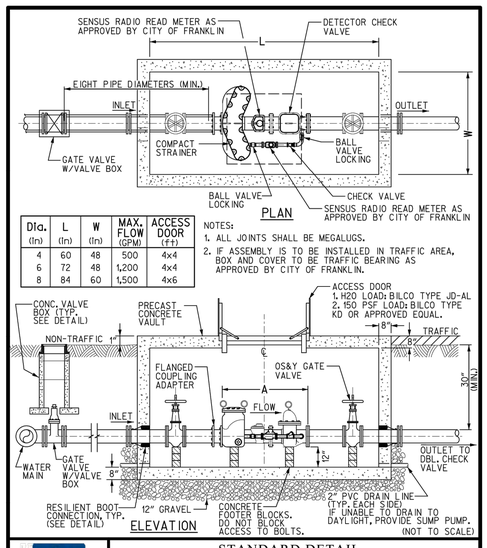


NOTE:
ALL PRECAST COMPONENTS MEET OR EXCEED "SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS" AS INDICATED BY ASTM C-478 LATEST REVISIONS.

(NOT TO SCALE)

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
2" METER ASSEMBLY
W - 8

DETAIL 501
2" METER
N.T.S.

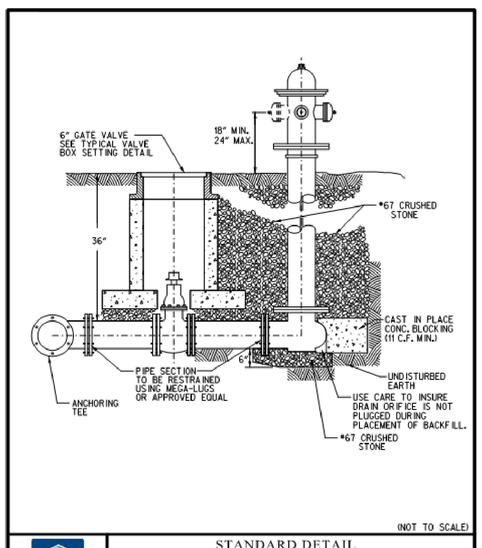


Dia. (In)	L (In)	W (In)	MAX. FLOW (GPM)	ACCESS DOOR (ft)
4	60	48	500	4x4
6	72	48	1,200	4x4
8	84	60	1,500	4x6

NOTES:
1. ALL JOINTS SHALL BE MEGALUGS.
2. IF ASSEMBLY IS TO BE INSTALLED IN TRAFFIC AREA, BOX AND COVER TO BE TRAFFIC BEARING AS APPROVED BY CITY OF FRANKLIN.

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
4" TO 8" FIRE METER ASSEMBLY
W - 12

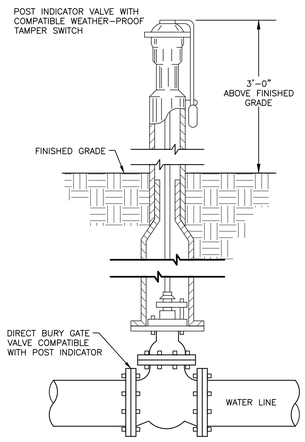
DETAIL 502
FIRE METER
N.T.S.



(NOT TO SCALE)

STANDARD DETAIL
WATER MANAGEMENT DEPARTMENT
CITY OF FRANKLIN, TENNESSEE
FIRE HYDRANT SETTING
W - 2

DETAIL 503
FIRE HYDRANT INSTALLATION
N.T.S.



NOTE:
PROVIDE TAMPER SWITCH MONITORING AT POSTINDICATOR VALVE AND CONNECT TO FIRE ALARM SYSTEM INSIDE BUILDING PER NFPA 72. REFERENCE ELECTRICAL PLANS FOR MORE DETAILS.

DETAIL 504
POST INDICATOR VALVE
N.T.S.

811 Know what's **below.** **Call** before you dig.

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PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

ROBERT G. MORTON — REGISTERED PROFESSIONAL ENGINEER — XVI — AGRICULTURE — 6/7/2018 — No. 108302 — STATE OF TENNESSEE

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

WATER DETAILS

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.:
C5.3

P:\2018\180-832_CADD\Dwg\civil site plan submittal\180832-CV00-C5.3.dwg[C5.3] LS(6/7/2018 - (emmiga)) - LP: 6/7/2018 4:10 PM

NORTH

WILLIAMSON COUNTY
4215 LONG LANE, FRANKLIN, TN 37064
MAP: 106O, 106N, 117B, 117C
PARCEL: 117-02700-00010117
DB 1668, PG 774
TOTAL LOT AREA: 94.94 AC +/-
101 COUNTY

VETERINARY SPECIALTY PROPERTIES LLC
4416 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117C
PARCEL: 117-02701-00010117
DB 4560, PG 306
TOTAL LOT AREA: 0.81 AC +/-
108 COMMERCIAL

REAMS-FLEMING PARTNERSHIP
4425 PEYTONSVILLE ROAD, FRANKLIN, TN 37064
MAP: 117B, 117C, 117F, 117G, 117J, 117K
PARCEL: 117-03000-00010117
TOTAL LOT AREA: 182.46 AC +/-
111 AGRICULTURAL

DODD, BRANT NELS
4416 PEYTONSVILLE ROAD, FRAN
MAP: 117C
PARCEL: 117-02800-00
TOTAL LOT AREA: 3.03 A
100 RESIDENTIAL

PROPOSED FRANKLIN FIRE STATION 7
15,000 +/- SF
FFE= 785.50'

PROPOSED 20' DRAINAGE EASEMENT

PROPOSED 20' SANITARY SEWER EASEMENT

40' UTILITY EASEMENT

PEYTONSVILLE ROAD (MAJOR COLLECTOR)

FIRE STATION ROAD

SEE ENLARGED BIORETENTION POND PLAN THISS SHEET

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	CC	CERCIS CANADENSIS	EASTERN REDBUD	2" CAL.	10-12' HT.	3		WELL BRANCHED
	PY	PRUNUS X YEDOENSIS	YOSHINO CHERRY	2" CAL.	10-12' HT.	3		WELL BRANCHED
	QP	QUERCUS PALUSTRIS	PIN OAK	3" CAL.	12-14' HT.	4		B&B, SINGLE LEADER, FULL SHAPE
	WO	QUERCUS PHELLOS	WILLOW OAK	3" CAL.	12-14' HT.	2		B&B, SINGLE LEADER, FULL SHAPE
	ZS	ZELKOVA SERRATA	SAWLEAF ZELKOVA	3" CAL.	12-14' HT.	9		B&B, SINGLE LEADER, FULL SHAPE

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
	IV	ILEX VERTICILLATA	WINTERBERRY	B&B	30" HT.	42		3' SPACING O.C. FULL SHAPE
	JP	JUNIPERUS X PFITZERIANA 'SEA GREEN'	SEA GREEN JUNIPER	B&B	30" HT.	37		5' SPACING O.C. FULL SHAPE
	VR	VIBURNUM RHYTIDOPHYLLUM	LEATHERLEAF VIBURNUM	B&B	30" HT.	28		3' SPACING O.C. FULL SHAPE

GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	QTY	DETAIL	REMARKS
	CM	COREOPSIS MAJOR	WHORLED COREOPSIS	1 GAL.		18" o.c.	51		
	HP	HYPERICUM PROLIFICUM	BROOMBRUSH	1 GAL.		36" o.c.	10		
	IC	IRIS CRISTATA 'ECO BLUEBIRD'	DWARF CRESTED IRIS	1 GAL.		18" o.c.	49		
	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY	1 GAL.		24" o.c.	31		
	PV	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.		48" o.c.	6		
	RH	RUDBECKIA HIRTA	BLACK-EYED SUSAN	1 GAL.		24" o.c.	91		
	SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	1 GAL.		24" o.c.	47		
	VD	VIBURNUM DENTATUM 'ARROWWOOD'	ARROWWOOD VIBURNUM	3 GAL.		72" o.c.	3		
		AREA TO BE SODDED OUTSIDE FIRE STATION 7 PROPERTY WITHIN PROPOSED R.O.W.							

*SEVERAL SPECIES SHOWN IN THE PLANT LIST ABOVE AT NATIVE TO TENNESSEE

KEY NOTES

A. SEE BIO-RETENTION PLANTING PLAN AND PLANT LIST ON THIS SHEET.

B. CONTRACTOR TO INSTALL 1-25' ALUMINUM FLAG POLE WITH HARDWARE PER MANUFACTURES SPECIFICATIONS. PROVIDE 1-4'X8' ALL WEATHER AMERICAN FLAG.

C. CONTRACTOR TO INSTALL CONCRETE WALK AS SHOW SEE SHEET C2.0 C2.1 FOR CONCRETE WALK DETAIL 205 ON SHEET C2.2.

D. CONTRACTOR TO PROVIDE FLAG POLE LIGHTING SUFFICIENT TO ILLUMINATE AMERICAN FLAG AT NIGHT. SEE SITE LIGHTING PLAN ON ARCHITECTURAL PLANS.

E. CONTRACTOR SHALL OFFSET SHRUBS 2' FROM THE BACK OF CURB TO AVOID CONFLICTS WITH PARKED VEHICLES.

F. AREA TO BE SEEDED AS NOTED ON EPSC PLAN SHEET C3.5.

G. CONTRACTOR SHALL PLACE SOD ALONG BACK OF CURB TO THE EASTERN SIDE OF THE DRAINAGE SWALE

H. CONTRACTOR SHALL INSTALL SOD IN AREA FROM BACK OF CURB TO FACE OF SIDEWALK AND AS DEFINED ON THIS SHEET. SEE SOD NOTES ON SHEET L1.1.

I. ALL STREET TREES SHALL HAVE ROOT BARRIER INSTALLED BETWEEN SIDEWALK/PAVEMENT/CURB AND TREE LOCATION. CONTRACTOR SHALL INSTALL NDS SM-1220 ROOT BARRIER SHEET MATERIAL SIZE 18"X20'. SUBMIT SAMPLE FOR APPROVAL.

J. CONTRACTOR TO INSTALL BELGARD 'UNIVERSAL' PAVERS IN THE PATTERN SHOWN. PROVIDE SUBMITTALS FOR COLOR APPROVAL BY LANDSCAPE ARCHITECT. INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATIONS AND SHALL INCLUDE PROPER EDGE RESTRAINTS.

K. OPEN LANDSCAPE BED FOR ANNUAL FLOWERS CONTRACTOR SHALL PROVIDE 3 OPTIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

L. CONTRACTOR SHALL PLACE 1 STRIP OF SOD ALONG THE BACK OF CURBS, WALKS, AND DRIVEWAYS. (TYP.)

M. CONTRACTOR SHALL PLUG BERMUDA IN ALL DISTURBED AREAS ON THE FIRE STATION SITE. DEPENDING ON CONSTRUCTION SCHEDULE/TIME OF YEAR A COVER CROP MAY BE NECESSARY OF ANNUAL RYE/KY-31 FESCUE MAY BE NEEDED. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT.

N. SIGHT TRIANGLE TYPICAL

LANDSCAPE REQUIREMENTS: (ACI)

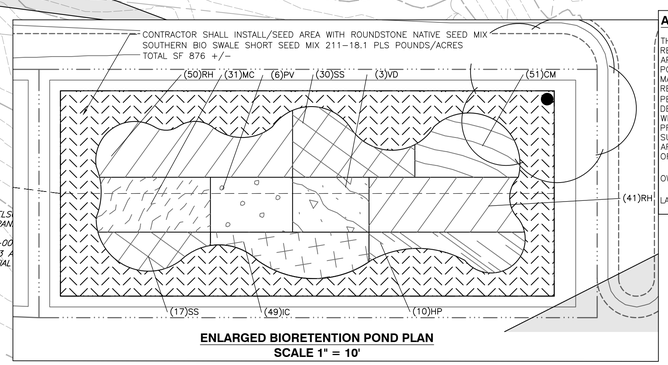
LSR= (PROPOSED) .53
LSA= (PROPOSED) .27

	Cal"	QUANTITY PROVIDED: EXISTING TREES		PROPOSED	TOTAL PROVIDED	INCHES PROVIDED: CALIPER INCHES
Existing Trees (See Tree Inventory)						
Existing Trees =	0	0	@	1.25	0	0
5" + caliper canopy inches				0	0	0
3" caliper canopy inches				15	15	45
2" caliper canopy inches				0	0	0
Aggregate Canopy Caliper Inches Provided:						45
Aggregate Canopy Caliper Inches Required:						44
2" Caliper Understory trees:				6	6	12
1.5 caliper understory trees:				0	0	0
Agregate Understory Caliper Inches Provided:						12
Agregate Understory Caliper Inches Required:						11
Min. 18" Height Shrubs:						
Min. 30" Height Shrubs:				105		
Total Shrubs Provided:				105		
Total Shrubs Required:				52		

LANDSCAPE / OPEN SPACE:

- TOTAL OPEN SPACE SET REQUIREMENT: 3% OF DEVELOPMENT SIZE (100% FORMAL) = 0.3 x 1.86 AC = 0.56 AC
- LANDSCAPE SURFACE RATIO PROVIDED: 0.53
- MIN. LANDSCAPE SURFACE RATIO: 0.3
- EXISTING TREE CANOPY: ± 0.28 AC (15% OF OVERALL SITE)

CONTRACTOR SHALL INSTALL/SEED AREA WITH ROUNDSTONE NATIVE SEED MIX SOUTHERN BIO SWALE SHORT SEED MIX 211-18.1 PLS POUNDS/ACRES TOTAL SF 876 +/-



ENLARGED BIORETENTION POND PLAN
SCALE 1" = 10'

ATTENTION OWNER/INSTALLER:

THIS LANDSCAPE PLAN HAS BEEN DESIGNED TO MEET THE MINIMUM REQUIREMENTS OF THE CITY OF FRANKLIN ZONING ORDINANCE, THE APPROVAL OF THE PLANNING COMMISSION, AND PLANNING DEPARTMENT POLICY. RELOCATING, SUBSTITUTING, RESIZING, REDUCING, OR DELETING MATERIAL MAY CAUSE THE SITE TO NO LONGER CONFORM TO THE REQUIREMENTS; THUS PROBLEMS MAY ARISE WITH RELEASING THE PERFORMANCE/MAINTENANCE SURETY FOR THE LANDSCAPE MATERIAL. DEVIATION FOR THE APPROVED LANDSCAPE PLAN SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT WHO DESIGNED THE PROJECT. THE DESIGNING LANDSCAPE ARCHITECT SHALL REVIEW PROPOSED SUBSTITUTIONS TO ENSURE THAT ALL CITY STANDARDS AND REQUIREMENTS ARE MET. THE CITY SHALL BE NOTIFIED IN WRITING UPON FINAL APPROVAL OF ANY PLANT SUBSTITUTIONS.

OWNER: CITY OF FRANKLIN 615-550-6628

LANDSCAPE ARCHITECT: JAY CAMELI 615-333-7797

*HAND SIGNATURE ON FILE

PRELIMINARY
NOT FOR CONSTRUCTION

JOHN CAMELI — REGISTERED LANDSCAPE ARCHITECT — TENNESSEE NO. 1001 — 6/7/2018

SCALE IN FEET
0 30 60

Know what's below. Call before you dig.

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COF #: 6718

REVISION RECORD

NO	DATE	DESCRIPTION

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RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

LANDSCAPE PLAN

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.: L1.0

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GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING NEWLY CONSTRUCTED AND EXISTING UTILITIES. HE SHALL NOTIFY THE OWNERS OF PUBLIC UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ALL UTILITIES SHALL BE PROTECTED FROM DAMAGE DURING PLANTING OPERATIONS.
2. GENERAL CONTRACTOR SHALL ERECT TREE PROTECTION FENCING, FENCING SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT, PRIOR TO BEGINNING CONTRACTOR SHALL MAINTAIN FENCING THROUGHOUT THE DURATION OF PROJECT.
3. PLANT MATERIAL SHALL MEET OR EXCEED SPECIFICATIONS AND SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK BOOK. THE CONTRACTOR SHALL GUARANTEE THAT THE MATERIAL INSTALLED ON SITE IS IN FACT THE MATERIAL THAT WAS SPECIFIED BY THE LANDSCAPE ARCHITECT. ANY CHANGES IN SPECIES SPECIFIED SHALL BE SUBMITTED IN WRITING TO, AND APPROVED/REJECTED BY THE LANDSCAPE ARCHITECT.
4. IN THE EVENT ANY ERROR(S) ARE FOUND ON THESE DRAWINGS OR OUT IN THE FIELD THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, HE/SHE WILL BE RESPONSIBLE FOR THE COST OF ANY CORRECTION TO BE MADE.
5. ALL WORK SHALL BE PERFORMED BY FULLY QUALIFIED PLANTSMEN. USE GOOD HORTICULTURAL PRACTICES TO KEEP ALL PLANTS AND PLANT MATERIAL INSTALLED IN A LIVING, HEALTHY CONDITION UP TO THE DATE FOR TERMINATION OF THE CONTRACTOR'S RESPONSIBILITY FOR CARE.
6. THE PLANTS DELIVERED TO THE PROJECT SITE SHALL BE PLANTED AS SOON AS SITE CONDITIONS PERMIT. TAKE CARE IN SCHEDULING PLANT DELIVERIES AND THE SIZE OF DELIVERIES SO THAT LONG PERIODS OF STORAGE ARE AVOIDED. ADEQUATELY PROTECT PLANTS PLACED IN TEMPORARY STORAGE FROM THE SUN AND WIND; WATER PLANTS SO AS TO MAINTAIN THEIR APPEARANCE AND HEALTH. PLANTS THAT HAVE NOT BEEN PROPERLY MAINTAINED DURING TEMPORARY STORAGE MAY BE REJECTED BY THE LANDSCAPE ARCHITECT.
7. THE OPTIMUM TIME FOR PLANTING IS FROM OCTOBER 1 TO APRIL 1. SCHEDULING FOR PLANTING AT OTHER TIMES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
8. THE CONTRACTOR SHALL SUBMIT CUT SHEETS TO THE LANDSCAPE ARCHITECT REGARDING ALL PLANTING MATERIALS, SEEDING, SOD, STEEL EDGING, WEED CONTROL MATTING, FERTILIZERS, LIMES, CHEMICALS TO BE APPLIED ON SITE AND ANY OTHER ITEM(S) RELATED TO THE LANDSCAPE OF THE SITE FOR APPROVAL PRIOR TO INSTALLATION ON SITE.
9. ALL CONTRACTORS APPLYING CHEMICALS ON SITES SHALL SUBMIT COPIES OF CERTIFICATION(S) AND LICENSES TO THE LANDSCAPE ARCHITECT.
10. PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. GIVE LANDSCAPE ARCHITECT 24 HOURS NOTICE PRIOR TO INSPECTION.
11. PLANTING BED SHALL BE CLEARED OF ROCK, GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS.
12. FERTILIZE ALL PLANT MATERIAL AT INSTALLATION WITH PETER'S SLOW RELEASE 20–20–20 OR EQUIVALENT APPROVED BY LANDSCAPE ARCHITECT; APPLY PER MANUFACTURERS RECOMMENDATIONS FOLLOW PACKAGE DIRECTIONS OR APPLY 15 POUNDS PER 1,000 SQUARE FEET, APPLY FERTILIZER BEFORE MULCHING.
13. ALL DISTURBED AREAS NOT OTHERWISE SEEDED OR PLANTED SHALL BE SODDED AS DIRECTED BY THE LANDSCAPE ARCHITECT. SEE NOTES THIS SHEET.
14. PLANTING BEDS SHALL HAVE A 4–INCH SHREDDED HARDWOOD BARK MULCH IN ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
15. ALL PLANTED AREAS SHALL BE TREATED WITH A WATER SOLUBLE HERBICIDE FOR THE NON–SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
16. APPLY TWO POUNDS ACTUAL NITROGEN (IN SLOW RELEASE FORM) PER 1,000 SQUARE FEET TO ALL SHRUB AND TREE PLANTINGS BEFORE LAYING MULCH.
17. THE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL AND LAWNS UNTIL THE PROJECT IS ACCEPTED BY THE LANDSCAPE ARCHITECT, OR UNLESS OTHERWISE SPECIFIED.
18. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE CALENDAR YEAR, FROM THE DATE THE PROJECT IS ACCEPTED.
19. ALL TREES SHALL BE FIRST QUALITY REPRESENTATIVES OF THEIR SPECIES AND SHALL MEET ALL REQUIREMENTS OTHERWISE STIPULATED. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT PLANTED MATERIAL IN THE FIELD, AT THE GROWING SITE OR ON THE JOB SITE.
20. THE CONTRACTOR SHALL TEST ALL PITS FOR DRAINAGE. ANY TREE PIT THAT HOLDS WATER FOR MORE THAN 24 HOURS SHALL BE INSTALLED WITH A TREE PIT DRAINAGE DETAIL SHOWN ON THE DETAILS SHEET. DRAINAGE OF ALL PLANTING PITS AND BEDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
21. ALL TREES AND SHRUBS SHALL BE INSTALLED ACCORDING TO THE DETAILS LOCATED ON THIS SHEET.
22. DISPOSE OF ALL SURPLUS MATERIAL AS DIRECTED BY THE OWNER.

BERMUDA SODDING NOTES

PART 1. GENERAL
1. THIS WORK SHALL INCLUDE ALL SOIL PREPARATION AND THE STORAGE, TRANSPORTATION, PLACING, AND MAINTENANCE OF SOD AT ALL LOCATIONS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
2. TEMPORARY STORAGE OF SOD IS PERMITTED; HOWEVER, TAKE CARE TOMAINTAIN THE SOD IN A LIVE, GROWING CONDITION. SOD SHALL BE REJECTED IF IT IS PERMITTED TO DECAY OR DRY OUT TO THE EXTENT THAT, IN THE JUDGMENT OF THE LANDSCAPE ARCHITECT, ITS SURVIVAL IS DOUBTFUL. DISPOSE OF REJECTED SOD AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO EXPENSE TO THE OWNER.
3. SET SOD BETWEEN MARCH 1 AND OCTOBER 15 AND WHEN THE SOIL IS IN A WORKABLE CONDITION.
4. DO NOT SET SOD OUT OF SEASON UNLESS SOIL CONDITIONS ARE FAVORABLE AND WRITTEN PERMISSION IS OBTAINED FROM THE LANDSCAPE ARCHITECT.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF SOD WITH COMPLETION OF IRRIGATION SYSTEM. THIS WILL INSURE WATERING OF NEW MATERIAL.
6. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE SCHEDULING, ORDERING, RECEIVING, STORING, AND INSTALLING OF ALL SODDING MATERIALS.
7. THE CONTRACTOR SHALL ENSURE NEWLY SODDED AREAS ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC. AREAS THAT ARE SUBJECTED TO CONSTRUCTION TRAFFIC SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

PART 2. PRODUCTS

1. SOD: TIFWAY 419 BERMUDA; NEW SOD CONSISTING OF LIVE, DENSE, WELL ROOTED GROWTH; WELL SUITED FOR THE INTENDED PURPOSE AND SOIL CONDITIONS; COMPLETELY FREE OF NOXIOUS WEEDS AND GRASSES (QUACK GRASS, JOHNSON GRASS, CANADA THISTLE); AND CONTAINING LESS THAN 5 PLANTS OF OBJECTIONABLE WEEDS PER 100 SQUARE FEET IF NURSERY GROWN OR 10 SUCH PLANTS IF FIELD GROWN
2. FERTILIZER: COMMERCIALLY MANUFACTURED, GRADE 10–10–10; FURNISHED IN STANDARD CONTAINERS THAT ARE CLEARLY MARKED WITH THE NAME, WEIGHT, AND GUARANTEED ANALYSIS OF THE CONTENTS AND THAT ENSURE PROPER PROTECTION IN TRANSPORTATION AND HANDLING; AND IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL FERTILIZER LAWS
3. AGRICULTURAL LIMESTONE: CONTAINING A MINIMUM OF 85 PERCENT CALCIUM CARBONATE AND MAGNESIUM CARBONATE COMBINED, 85 PERCENT OF WHICH PASSES A NO. 10 MESH SIEVE.

PART 3. EXECUTION

1. BEFORE BEGINNING SODDING OPERATIONS IN ANY AREA, COMPLETE THE PLACING OF TOPSOIL, FINAL GRADING, AND REMOVAL OF ANY DEBRIS. HAVE THE WORK APPROVED BY THE LANDSCAPE ARCHITECT.
2. A MINIMUM OF 4 INCHES OF GOOD, CLEAN TOPSOIL SHALL BE SPREAD OVER THE CONSTRUCTION AREA.
3. SCARIFY EACH AREA TO BE SODDED A MINIMUM OF 2 INCHES.
4. APPLY FERTILIZER AND AGRICULTURAL LIMESTONE UNIFORMLY OVER THE SOD BED AT THE RATES SHOWN BELOW. IMMEDIATELY PRIOR TO PLACING SOD, WATER THE SOD BED UNTIL IT IS SATURATED TO A DEPTH OF 1 INCH, AND KEEP IT MOIST UNTIL THE SOD IS PLACED.
   A. FERTILIZER: 15 POUNDS PER 1,000 SQUARE FEET OF 10–10–10
   B. AGRICULTURAL LIMESTONE: 40 POUNDS PER 1,000 SQUARE FEET
5. PLACE SOD AS SOON AS PRACTICAL AFTER ITS REMOVAL FROM POINT OF ORIGIN. KEEP IT MOIST WHILE DISPLACED.
6. PLACE SOD BY HAND SO THAT THE EDGES ARE IN CLOSE CONTACT AND IN A POSITION TO BREAK JOINTS WITH THE LONG DIMENSION PERPENDICULAR TO THE SLOPE. FIT AND POUND THE SOD INTO PLACE WITH A 10 INCHES X 10 INCHES WOOD TAMP OR OTHER SIMILAR IMPLEMENTS.
7. IMMEDIATELY AFTER PLACING THE SOD, THOROUGHLY WET AND ROLL IT.
8. TWO WEEKS AFTER THE SOD IS INSTALLED, TOP DRESS AND THOROUGHLY WATER IT. TOP DRESSING SHALL CONSIST OF THE FOLLOWING:
   A. 1/2 TO 1 POUND: 38 PERCENT UREA FORMALDEHYDE PER 1,000 SQUARE FEET
   B. 20 POUNDS: 6–12–12 PER 1,000 SQUARE FEET
9. NO EQUIPMENT, MATERIAL STORAGE, CONSTRUCTION TRAFFIC, ETC., WILL BE PERMITTED ON NEWLY SODDED AREAS.
10. DISPOSE OF ALL SURPLUS MATERIAL AS DIRECTED BY THE OWNER
11. THE OWNER AND LANDSCAPE ARCHITECT WILL REVIEW THE SOD FOR ACCEPTANCE 30 DAYS AFTER INSTALLATION, AT WHICH TIME THE MAINTENANCE PERIOD WILL BEGIN.
12. INSPECTIONS
   A. THE LANDSCAPE ARCHITECT SHALL INSPECT THE SOD WITHIN 30 DAYS AFTER INSTALLATION AND DETERMINE IF IT IS ACCEPTABLE.
   B. AREAS OF SOD THAT ARE FOUND DEFICIENT SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
13. GUARANTEES
   A. ESTABLISH AN ACCEPTABLE GROWTH OF THE SPECIFIED SOD ON ALL AREAS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. AN AREA IS CONSIDERED ACCEPTABLE IF THE MAJORITY OF EACH PIECE OF SOD IS ALIVE AND HEALTHY AND GENERALLY FREE FROM WEEDS, INSECT, AND DISEASE.
14. SOD PLACED ON SLOPES 3:1 AND GREATER SHALL BE STAKED OR STAPLED IN PLACE AS SHOWN ON SHEET C3.9 DETAIL 907.

CITY OF FRANKLIN LANDSCAPE NOTES

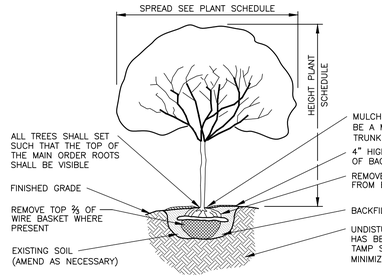
1. ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOLIATES SHALL BE REPLACED WITHIN ONE YEAR OR BY THE NEXT GROWING SEASON, WHICH EVER COMES FIRST. OTHER DEFECTIVE LANDSCAPE MATERIAL SHALL BE REPLACED WITHIN THREE MONTHS.
2. ALL TREES SHALL MEET FRANKLIN'S MINIMUM SIZE AND QUALITY STANDARDS. ALL PLANTS SHALL BE HEALTHY, VIGOROUS MATERIAL, FREE OF PEST AND DISEASE. ALL ROOTBALLS, CONTAINERS AND HEIGHT TO WIDTH RATIOS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION.
3. ALL REQUIRED TREES AND SHRUBS SHALL MEET THE MINIMUM SIZE AND QUANTITY AS LISTED IN THE PLANT SCHEDULE.
4. PLANT MATERIAL SHALL NOT OBSCURE TRAFFIC OR PARKING SIGNS/SIGNALS OR VEHICULAR SIGHT LINES.
5. TREE TOPPING IS NOT PERMITTED.
6. ADDITIONAL SCREENING MAY BE REQUIRED IF THE INSPECTION FOR THE RELEASE OF THE PERFORMANCE SURETY REVEALS THAT THE REQUIRED SCREENING IS NOT EFFECTIVE.
7. ALL REQUIRED TREE PROTECTION FENCING SHALL BE INSTALLED AND INSPECTED BY THE DEPARTMENT OF BUILDING AND NEIGHBORHOOD SERVICES PRIOR TO LAND DISTURBING ACTIVITIES.
8. ANY SITE OR LANDSCAPE CHANGES (INCLUDING BUT NOT LIMITED TO A CHANGE IN DESIGN, A REDUCTION IN SIZE OR NUMBER OF PLANT MATERIAL, OR THE RELOCATION OF OVERHEAD OR UNDERGROUND UTILITIES) SHALL REQUIRE A REVISED LANDSCAPE PLAN TO BE SUBMITTED AND APPROVED PRIOR TO THE LANDSCAPE INSTALLATION.
9. EXISTING TREES ACCEPTED IN PARTIAL COMPLIANCE OF THE LANDSCAPE REQUIREMENTS FOR THIS SITE SHALL BE ACCESSIBLE AND FLAGGED PRIOR TO ALL LANDSCAPE INSPECTIONS.
10. ANY EXISTING TREE, SHOWN AS BEING PRESERVED ON APPROVED PLANS THAT IS REMOVED, DIES OR IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS REQUIRED IN THE ZONING ORDINANCE.
11. SCREENING PROPOSED AROUND ANY UTILITY BOX OR TRANSFORMER IS REQUIRED TO BE EVERGREEN AND ADEQUATELY SCREEN THE OBJECT. THE PROPOSED EVERGREEN PLANT MATERIAL SHALL BE REPLACED IF IT IS NOT OF A HEIGHT SUFFICIENT TO SCREEN THE OBJECT.
12. ALL PLANT MATERIAL SHALL BE FROM THE FRANKLIN PLANT LIST UNLESS PRIOR APPROVAL IS RECEIVED FROM THE CITY.
13. ALL TREE–PROTECTION FENCING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A GRADING PERMIT AND SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETED. ANY REQUIRED EROSION CONTROL MEASURES SHALL BE PLACED OUTSIDE OF ANY TREE PROTECTION FENCING.
14. TOP SOIL USED IN ALL LANDSCAPE AREAS SHALL BE SCREENED PRIOR TO DEPOSITION IN PLANTING AREAS AND ISLANDS.
15. ANY PLANT MATERIAL LOCATED ADJACENT TO A PARKING AREA SHALL BE PLANTED SO AS TO ALLOW FOR A TWO AND A HALF FOOT VEHICULAR BUMPER OVERHANG FROM THE FACE OF CURB TO THE EDGE OF THE MATURE ADJACENT PLANT MATERIAL.
16. THE OWNER ACKNOWLEDGES THAT PLANTING LANDSCAPE MATERIAL IN A DEDICATED EASEMENT DOES NOT WAIVE OR MODIFY THE CITY OF FRANKLIN'S RIGHTS AS THE EASEMENT HOLDER. THE OWNER UNDERSTANDS THAT THE CITY OF FRANKLIN, ITS AUTHORIZED CONTRACTOR OR APPLICABLE PRIVATE UTILITY MAY AT ANY TIME AND FOR ANY REASON PERFORM WORK WITHIN THE EASEMENT. THE OWNER SHALL BE SOLELY RESPONSIBLE FOR ANY COST INCURRED IN REPAIRED AND/OR REPLACING THE REQUIRED LANDSCAPE MATERIAL.

CITY OF FRANKLIN IRRIGATION NOTES

1. FOR BIDDING PURPOSES THE PROPOSED AREA OF IRRIGATION IS TO BE THE TURF AND PLANTING BEDS AROUND THE ENTIRE FIRE STATION BUILDING,
2. ALL PRODUCTS SHALL HAVE CUT SHEETS SUBMITTED TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR TO SUBMIT DETAILED IRRIGATION LAYOUT PLANS TO LANDSCAPE ARCHITECT INDICATING:
   A. LOCATION, TYPE AND COVERAGE OF HEADS (SPRAY ARC)
   B. ZONE MAP WITH FLOW RATES
   C. DETAILED IRRIGATION PROGRAMMING SCHEDULE TO ENSURE MAXIMUM
   D. PERFORMANCE OF SYSTEM.
   E. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING GPM RATE AND
   F. PSI FOR SYSTEM CALCULATIONS.
3. PROPOSED IRRIGATION SYSTEM AND LAYOUT SHALL:
   A. PROVIDE 1–1/2" SERVICE ASSEMBLY (MIN.).
   B. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER WITH LOK–BOX PROTECTIVE ENCLOSURE.
   C. PROVIDE COMPUTER CONTROLLER TYPE: RAINBIRD ESP–MC OR EQUAL WITH PEDESTAL KIT: RAINBIRD PED–DD SERIES OR EQUAL. FINAL COORDINATION SHALL BE WITH OWNER AND LANDSCAPE ARCHITECT AS CONTROLER MAY BE LOCATED IN THE MECHANICAL ROOM.
   D. SPRAY HEADS SHALL BE RAINBIRD 1800 SAM–P.R.S. SERIES OR EQUAL. SPRAY HEADS TO BE LOCATED AND DIRECTED TO ELIMINATE OVERSPRAY ON ALL "BUILT FEATURES" ON–SITE.
   E. ALL NEWLY INSTALLED PLANT MATERIALS AND TURF SHALL BE FULLY IRRIGATED TO ENSURE PLANT HEALTH AND GROWTH SUCCESS. TURF IRRIGATION HEADS DESIGNED TO MINIMIZE OPPORTUNITY FOR VANDALISM OR DESTRUCTION BY MAINTENANCE VEHICLES.
   F. PROVIDE QUICK COUPLERS RAINBIRD MODEL 33 DLRC WITH CORRESPONDING VALVE KEY MODEL NO. 33DK AND HOSE SWIVEL MODEL NO. SH–O. LOCATE QUICK COUPLER IN THE AREA ADJACENT TO PAVED AREAS INFRONT OF THE BAY DOORS ONTHE FRONT AND REAR OF THE BUILDING. CONTRACTOR TO COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT OR AS NOTED ON PLANS.
4. THE IRRIGATION CONTRACTOR SHOULD COORDINATE HIS LAYOUT AND INSTALLATION WITH THE GENERAL CONTRACTORS ON THE SITE. STRUCTURES
   OR PAVEMENT NOTED ON THE PLAN, BUT NOT IN PLACE, SHOULD BE STAKED. THE IRRIGATION SYSTEMS SHOULD NOT INTERFERE WITH FUTURE PLACEMENT OF THESE PAVED SURFACES OR STRUCTURES.
5. CONTROLLER TO BE MOUNTED AND LOCATED ON LOCKING PEDESTAL STAND. SUBMIT CUT SHEET FOR APPROVAL TO LANDSCAPE ARCHITECT.
6. CONTRACTOR SHALL INSTALL 4" SCHEDULE 40 PVC PIPE SLEEVES A MINIMUM DEPTH OF 18" BELOW FINISH GRADE. CAP ENDS AND EXTEND SLEEVES 2' –0" BEYOND EDGE OF PAVEMENT. LAY SLEEVES IN 3" GRAVEL BED, BACKFILL WITH GRAVEL AND COMPACT. SLEEVES SHALL BE INSTALLED BY IRRIGATION CONTRACTOR UNLESS ARRANGED OTHERWISE.
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NECESSARY CONSTRUCTION PERMITS AND FEES. THIS INCLUDES SUPPLY AND INSTALLATION OF WATER METER AND BACKFLOW PREVENTER OF APPROPRIATE SIZE.
8. GENERAL CONTRACTOR SHALL PROVIDE 120–VOLT POWER SOURCE FOR CONTROLLER.
9. INSTALL ADDITIONAL AUTOMATIC DRAIN VALVES AS REQUIRED TO DRAIN ALL LINES FOR PROTECTION AGAINST WINTER FREEZE DAMAGE. LOCATE MANUAL DRAIN VALVES AT LOW POINT ON MAIN.
10. 24V WIRING TO BE MINIMUM AWG 12/1, SUITABLE FOR DIRECT BURIAL PER CODE, COLOR CODED. BURY WITH SLACK, BENEATH OR ADJACENT TO PIPE FOR PROTECTION. SPLICE WITH SPEARS MODEL DS–100 DRI–SPLICE, OR APPROVED EQUAL.
11. INSTALL AUTOMATIC CONTROL VALVES IN AMETEK VALVE BOXES OF APPROPRIATE SIZE, VB–10 OR VB–12, OR APPROVED EQUAL.
12. COMPLETE ALL WORK IN COMPLIANCE WITH LOCAL AND STATE CODES. PROVIDE ALL NECESSARY PERMITS AT THE COST OF THE IRRIGATION CONTRACTOR.
13. UPON COMPLETION OF IRRIGATION SYSTEM, CONTRACTOR SHALL TEST AND ADJUST SYSTEM WITH LANDSCAPE ARCHITECT PRESENT.
14. CONTRACTOR TO MAKE 1 MONTH, 6 MONTH AND 9 MONTH MAINTENANCE VISITS WITH OWNER TO VERIFY ADEQUATE PERFORMANCE AND OPERATION OF SYSTEM. IF DEFICIENT, NECESSARY ADJUSTMENTS TO BE MADE AT NO COST.
15. DISCREPANCIES BETWEEN THE FIELD LAYOUT AND CONTRACT DOCUMENTS SHOULD BE REPORTED AS SOON AS POSSIBLE TO THE OWNER AND LANDSCAPE ARCHITECT IN CASE REVISIONS ARE NECESSARY. INADEQUATE IRRIGATIONCOVER SHOULD BE NOTED AND CORRECTED BEFORE THE IRRIGATION CONTRACTOR LEAVES THE SITE.

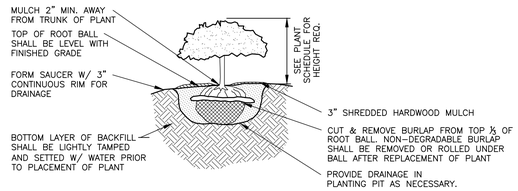
CITY OF FRANKLIN MINIMUM PLANT QUALITY AND SIZE STANDARDS

1. ALL NEWLY PLANTED LANDSCAPE PLANT MATERIALS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD OF NURSERY STOCK (ANSI Z60.1).
2. ALL TYPE 1, 2, AND 3 TREES (AS DEFINED IN ANSI Z60.1) USED TO MEET THE REQUIREMENTS OF THIS SUBSECTION SHALL HAVE THE FOLLOWING CHARACTERISTICS:
   A. DECIDUOUS TREES SHALL HAVE ONE DOMINANT TRUNK WITH THE TIP OF THE LEADER ON THE MAIN TRUNK LEFT INTACT AND THE TERMINAL BUD ON THE CENTRAL LEADER AT THE HIGHEST POINT ON THE TREE;
   B. TREES WITH FORKED TRUNKS ARE ACCEPTABLE IF ALL THE FOLLOWING CONDITIONS ARE MET:
      a. THE FORK OCCURS IN THE UPPER ONE–THIRD OF THE TREE;
      b. ONE FORK IS LESS THAN TWO–THIRDS THE DIAMETER OF THE DOMINANT FORK; AND
      c. THE TOP ON–THIRD OF THE SMALLER FORK IS REMOVED AT THE TIME OF PLANTING;
   C. NO BRANCH IS GREATER THAN TWO–THIRDS THE DIAMETER OF THE TRUNK DIRECTLY ABOVE THE BRANCH;
   D. SEVERAL BRANCHES ARE LARGER IN DIAMETER AND OBVIOUSLY MORE DOMINANT;
   E. BRANCHING HABIT IS MORE HORIZONTAL THAN VERTICAL, AND NO BRANCHES ARE ORIENTED NEARLY VERTICAL TO THE TRUNK; AND
   F. BRANCHES ARE EVENLY DISTRIBUTED AROUND THE TRUNK WITH NO MORE THAN ONE MAJOR BRANCH LOCATED DIRECTLY ABOVE ANOTHER AND THE CROWN IS FULL OF FOLIAGE THAT IS EVENLY DISTRIBUTED AROUND THE TREE.



PLANTING DETAIL FOR TREES

NOT TO SCALE

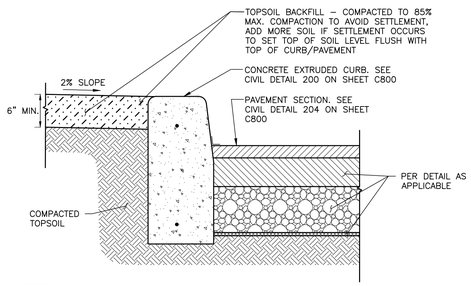


PLANTING DETAIL FOR SHRUBS

NOT TO SCALE

DETAIL 2
PLANTING DETAILS

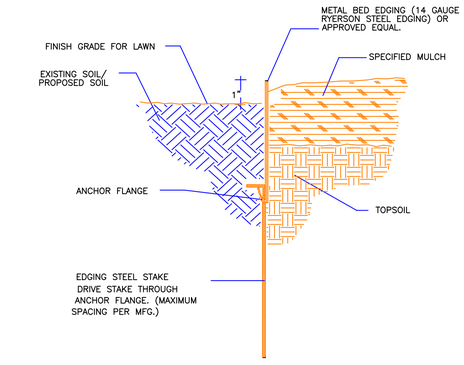
N.T.S.



NOTES:
1. SUBGRADE SURFACE TO FREE OF ALL DEBRIS AND CLEAN SOIL FILL. LANDSCAPE ARCHITECT TO APPROVE SUBSOIL CONDITIONS PRIOR TO TOPSOIL PLACEMENT.
2. COMPACT PLANTING SOIL AND SUBSOIL AREAS TO 85% MAX. COMPACTION TO AVOID SETTLEMENT ADJACENT TO PAVEMENTS

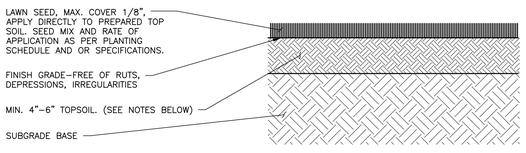
DETAIL 4
TOPSOIL BACKFILL DETAIL

N.T.S.



DETAIL 1
PLANTING METAL BED EDGE DETAIL

N.T.S.



NOTES:
1. MINIMUM TOPSOIL DEPTH IS 4–6 INCHES.
2. TOPSOIL SHOULD HAVE A GOOD HUMUS CONTENT. THIS CAN BE 20 TONS OF COMPOSTED MANURE PER ACRE OR 170 BALES OF PEAT PER ACRE.
3. TOPSOIL WITH A PH OF 6 OR LESS WILL NEED A LIME AMENDMENT. EVENLY APPLY HYDRATED LIME OR GROUND LIMESTONE TO TOP SOIL UNTIL PH IS ADJUSTED TO BETWEEN 6–7. PH BELOW 5.5 OR ABOVE 7.5 IS UNACCEPTABLE FOR LAWNS.
4. 650 LBS OF SLOW RELEASE WELL BALANCED FERTILIZER 10–10–10 PER ACRE SHOULD BE HARROWED INTO THE TOPSOIL PRIOR TO SEEDING.
5. SEEDING IS BEST IN THE LATE SUMMER–EARLY AUTUMN. A HARROW MAY BE USED TO OBTAIN AN EVEN SURFACE THAT IS FIRM. THE SEED MAY BE MECHANICALLY SPREAD INTO THE SURFACE AS PER THE PLANTING SCHEDULE AND OR SPECIFICATIONS.
6. SEE SPECIFICATIONS FOR ADDITIONAL NOTES.

DETAIL 3
TURF DETAIL

N.T.S.

Know what's below. Call before you dig.

NOTE TO CONTRACTOR:

1. THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S/LANDSCAPE ARCHITECT'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.
2. SURVEY INFORMATION IS BASED UPON THE TENNESSEE STATE PLANE COORDINATE SYSTEM, ZONE 5301, FIPSZONE 4100, NAD83 DATUM.

PRELIMINARY
NOT FOR CONSTRUCTION

*HAND SIGNATURE ON FILE

JAY JOHN CAMELI, REGISTERED LANDSCAPE ARCHITECT, STATE OF TENNESSEE NO. 382, FORMER, 6/7/2018

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
325 Seaboard Lane · Suite 170 · Franklin, TN 37067
615-333-7797 · 800-763-2326
www.cecinc.com

RENAISSANCE GROUP, INC.
FRANKLIN FIRE DEPARTMENT STATION 7
PETYONSVILLE ROAD
FRANKLIN, TN

COF #: 6718

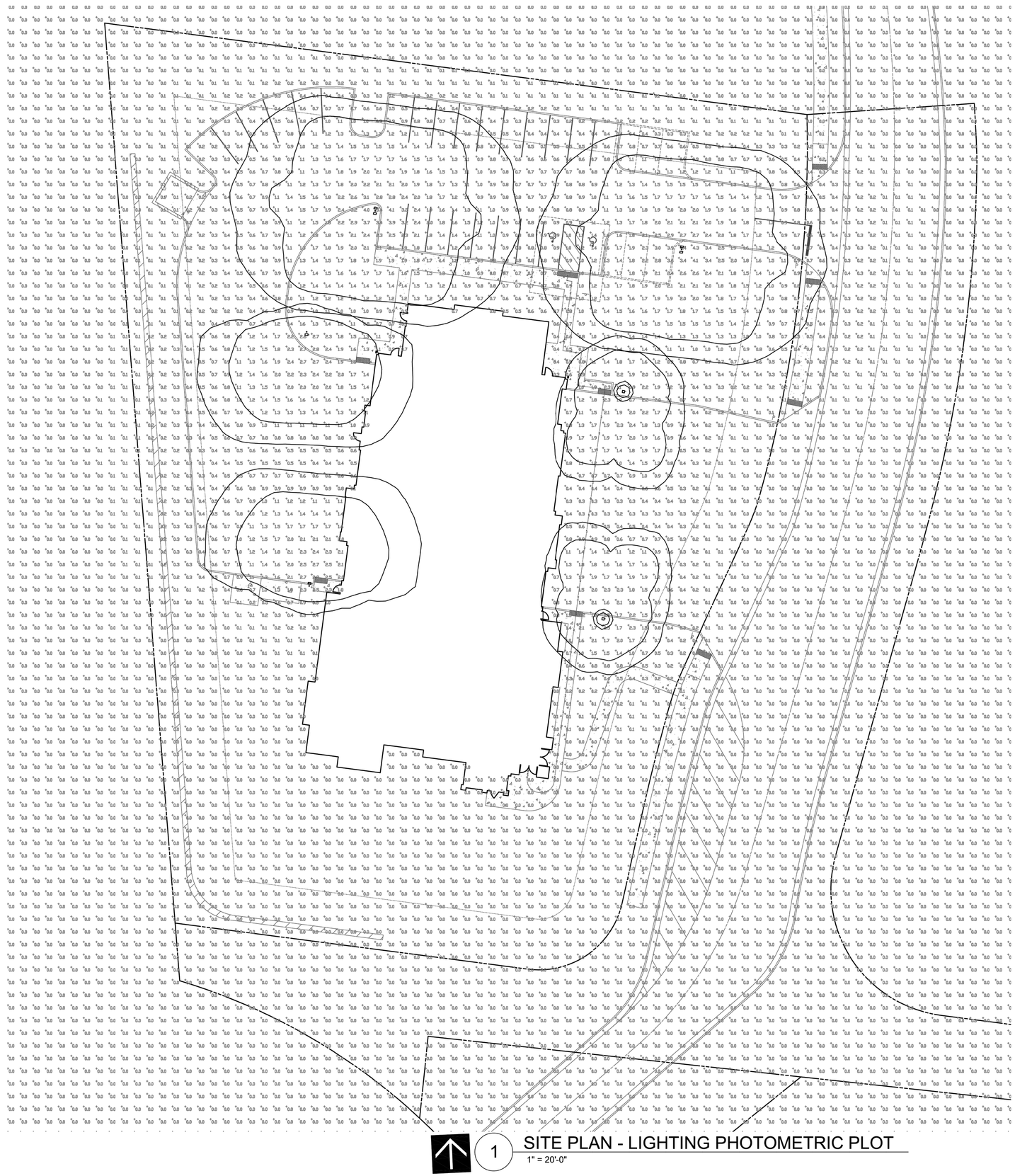
LANDSCAPE NOTES AND DETAILS

DATE:	JUNE 2018
DWG SCALE:	AS SHOWN
PROJECT NO:	180-832
APPROVED BY:	AS SHOWN
DRAWN BY:	PEC
CHECKED BY:	EJG

DRAWING NO.: L1.1

A:\2018\180-832\-CADD\Dwg\civil site plan submittal\180832-CVDD-L1.0.dwg(L1.1) LS(6/7/2018 - cpyokum) - LP: 6/7/2018 4:12 PM

design inspiration



PARKING LOT LIGHT VALUES IN FOOTCANDLES (FC):	
MAXIMUM	4.4 FC
AVERAGE	1.1 FC
MINIMUM	0.1 FC

1 SITE PLAN - LIGHTING PHOTOMETRIC PLOT
1" = 20'-0"

Renaissance Group

9700 Village Circle,
Suite 120
Ballland, TN 38002
phone: 901.332.5533
fax: 901.332.5534
www.rgarchitects.biz

REV	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS FOR

PROPOSED FACILITY FOR
CITY OF FRANKLIN
FIRE STATION NO. 7

4201 LONG LAKE,
FRANKLIN, TN

CITY OF FRANKLIN PROJECT NO. 29

Sheet Title: SITE PLAN - PHOTOMETRICS

Project: 17030

Drawn by: EJW

Date: 06/15/17

E0.2

LITHONIA LIGHTING

Catalog Number:	SSA 20 6G DM28AS DBL
Notes:	
Type:	TYPE AA POLE

FEATURES & SPECIFICATIONS

INTENDED USE — Square straight aluminum general purpose pole for up to 35 foot mounting heights.

CONSTRUCTION — Shaft: Made from extruded 6063-T6 or 6061-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Hand hole: Reinforced rectangular hand hole is located 18" above base; 4" poles have 2"x 4" hand hole; 5" and 6" poles have 2.5"x 4" hand hole). Hand hole cover plate made from aluminum alloy.

Hardware: Stainless steel

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut cover discs provided. Optional cast aluminum base cover available.

FINISH — Must specify finish.

GROUNDING — Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

ANCHOR BOLTS — Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Upper portion of anchor bolt is galvanized per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

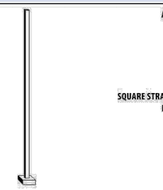
WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Anchor Base Poles

SSA

SQUARE STRAIGHT ALUMINUM
FLORIDA RATINGS



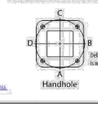
ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSA 20 4C DM19 BA

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting[1]	Options	Finish*
SSA	(See technical information table for complete ordering information.) 8'-0" (for 1/2 ft increments, add .4 to the pole height. Ex: 28-0 equals 20ft 6in.)	(See technical information table for complete ordering information.) 4C 4" (.125") 5C 5" (.125") 5E 5" (.156") 5G 5" (.188") 6E 6" (.156") 6G 6" (.188") 7E 7" (.156") 8E 8" (.156") 8G 8" (.188") 8J 8" (.250") 9G 9" (.188") 9J 9" (.250") 10G 10" (.188") 10J 10" (.250")	Tenon mounting: PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS)[2] T35 4" O.D. (3-1/2" NPS)[2] Drill mounting:[3] DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/AERIS™/OMERO™/NLA/KAX Drill mounting[4] DM19AS 1 at 90° DM28AS 2 at 180° DM28AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° AERIS™ Suggested drill mounting[4,5] DMxxAST OMERO™ Suggested drill mounting[4,5] DMxxMRT	Shipped installed: LANS Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper proof HA135dec Horizontal arm bracket (1 fixture)[6,7] FDEAx 1" Feinton outlet box electrical[8] CPC12xx 1/2" coupling[9] CPC34xx 3/4" coupling[9] CPC1xx 1" coupling[9] NPL12xx 1/2" threaded nipple[9] NPL34xx 3/4" threaded nipple[9] NPL1xx 1" threaded nipple[9] EHHxx Extra handhole[10] IDAECx Match existing[11] USPOM- Limited Slotten point of manufacture[9] Shipped separately [Replacement kit available]: [blank] NCDISC Nut cover discs FBC Full base cover (cpun aluminum) [blank] TC Top cap (with drill-mount poles) [blank] HHC Handhole cover	Standard colors: DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum BA Brushed aluminum Classic colors: DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Class 1 architectural anodized: ABL Black ADB Dark bronze ANA Natural Architectural colors (powder finish):[12]

NOTES

1. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T28. The combination includes a required extra handhole.
2. 3-1/2" and 4" tenons available on 9" and 6" shafts only.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatability.
4. Insert "1" or "2" in designate fixture size, e.g. DM19AST2.
5. Specify location and orientation when ordering option. For 1st "x": Specify the height in first whole basis of pole. *Example:* 08 = 5.ma./20ft = 20.
   For 2nd "x": Specify orientation from handhole (A, B, C, D). Refer to the Handhole Orientation diagram on this page.
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
7. Combination of tenon-top and drill-mount includes (x) handhole.
8. Must add, pogo-pin order number.
9. Use when mill certifications are required.
10. Finish must be specified. Additional colors available, see www.lithonia.com/architectural for Architectural Colors brochure (Form No. 794.3).
11. Specify location and orientation when ordering option. For 1st "x": Specify the height in first whole basis of pole. *Example:* 08 = 5.ma./20ft = 20.
    For 2nd "x": Specify orientation from handhole (A, B, C, D). Refer to the Handhole Orientation diagram on this page.
12. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
13. Lithonia Lighting is not responsible for the boonda-boo design.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

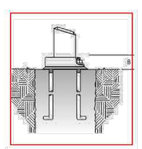
- Do not erect poles without burney fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage dimensions due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the boonda-boo design.

SSA Square Straight Aluminum Poles, Florida Ratings

TECHNICAL INFORMATION								
Catalog Number	Nominal shaft length (ft.)*	Pole Shaft Size (in x ft)	Wall Thickness (in)	EPA (Effective Projected Area) expressed in Ft.2, Maximum 3 second gust per AASHTO 2009, FBC: Maximum weight (Lbs.)	EPA (Effective Projected Area) expressed in Ft.2, Maximum 3 second gust per AASHTO 2009, FBC: Max EPA 130 mph (Side Mount)	EPA (Effective Projected Area) expressed in Ft.2, Maximum 3 second gust per AASHTO 2009, FBC: Max EPA 150 mph (Side Mount)	Bolt Size (in. x in. x in.)	Approximate ship (lbs.)
SSA 8 4C	8	4 x 8	0.125	100	5.4	3.3	3/4 x 18 x 3	32
SSA 10 4C	10	4 x 10	0.125	100	3	1.2	3/4 x 18 x 3	37
SSA 12 4C	12	4 x 12	0.125	100	1	0	3/4 x 18 x 3	40
SSA 14 4C	14	4 x 14	0.125	0	0	0	3/4 x 18 x 3	50
SSA 15 4C	15	4 x 15	0.125	0	0	0	3/4 x 18 x 3	52
SSA 16 4C	16	4 x 16	0.125	0	0	0	3/4 x 18 x 3	54
SSA 16 4G	16	4 x 16	0.188	0	0	0	3/4 x 30 x 3	74
SSA 16 5G	16	5 x 16	0.188	100	2.2	0	3/4 x 30 x 3	83
SSA 18 4C	18	4 x 18	0.125	0	0	0	3/4 x 18 x 3	57
SSA 18 4G	18	4 x 18	0.188	0	0	0	3/4 x 30 x 3	80
SSA 18 5G	18	5 x 18	0.188	0	0	0	3/4 x 30 x 3	91
SSA 20 4C	20	4 x 20	0.125	0	0	0	3/4 x 18 x 3	62
SSA 20 4G	20	4 x 20	0.188	0	0	0	3/4 x 30 x 3	85
SSA 20 5G	20	5 x 20	0.188	0	0	0	3/4 x 30 x 3	107
SSA 20 6G	20	6 x 20	0.188	0	0	0	1 x 36 x 4	155
SSA 20 6J	20	6 x 20	0.250	100	1.9	0	1 x 36 x 4	202
SSA 25 5G	25	5 x 25	0.188	0	0	0	3/4 x 30 x 3	130
SSA 25 6G	25	6 x 25	0.188	0	0	0	1 x 36 x 4	180
SSA 25 6J	25	6 x 25	0.250	0	0	0	1 x 36 x 4	224
SSA 30 6G	30	6 x 30	0.188	0	0	0	1 x 36 x 4	210
SSA 30 6J	30	6 x 30	0.250	0	0	0	1 x 36 x 4	258
SSA 32 6J	32	6 x 32	0.250	0	0	0	1 x 36 x 4	272
SSA 35 6J	35	6 x 35	0.250	0	0	0	1 x 36 x 4	294
SSA 35 7J	35	6.75 x 35	0.250	0	0	0	1 x 36 x 4	290

EPA values are based upon the fixture being mounted 0 ft. above the pole top and 2 ft. 0 in. eccentric to the pole center line.

*For 1/2 ft increments, add .4 to the pole height. Ex: 20 6 equals 20ft 6in.



POLE DATA						
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description
4"C	8.5" — 9.625"	3.125"	9.938"	ABTEMPLATE PI50045	AB16-0
4"G	8.5" — 9.625"	3.125"	9.938"	ABTEMPLATE PI50045	AB30-0
5"	10.5" — 11.5"	3.25"	11.563"	ABTEMPLATE PI50046	AB30-0
6"	12" — 13"	4"	12.25"	ABTEMPLATE PI50044	AB36-0
7"	14.625"	4.125"	15"	ABTEMPLATE PI50130	AB36-0

LITHONIA LIGHTING

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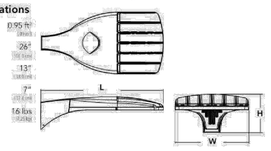
D-Series Size 0
LED Area Luminaire

Specifications

EPA: 0.95 ft² (Direct)
Length: 26" (66.1cm)
Width: 13" (33.0cm)
Height: 7" (17.8cm)
Weight (max): 16 lbs (7.3 kg)



Catalog Number:	DSX0 LED P3 40K T3M MVOLT SPA HS DBLXD
Notes:	TWO LUMINIARES PER POLE
Type:	AA

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability.[1]
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background.[2]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. Link to Roam; Link to DTL DLL.

A+ Capable options indicated by this color background.

Ordering Information **EXAMPLE:** DSX0 LED P6 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics: P1 P4 P7 P2 P5 P3 P6 Rotated optics: P10 P13 P11 P12	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT[4,5] 120[4,5] 208[4,5] 240[4,5] 277[4,5] 347[4,5] 480[4,5]	Shipped included: SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adapter[6] RPUMBA Round pole universal mounting adapter[6] Shipped separately: KMA8 DDBXD U Mast arm mounting bracket adapter (specify finish)[7]

Control options		Other options		Finish (required)	
Shipped installed: NLTAIR2 nLight AIR generation 2 enabled[8] PER NEMA twist-lock receptacle only (control ordered separately)[9] PER5 Five-wire receptacle only (control ordered separately)[9,10] PER7 Seven-wire receptacle only (control ordered separately)[9,10]	PIRHTC(SF) Bi-level, motion/ambient sensor, 15–50' mounting height, ambient sensor enabled at 25fc[11,12,13]	Shipped installed: HS House-side shield[14] SF Single fuse (120, 277, 347V)[15] DF Double fuse (208, 240, 480V)[15] L90 Left-rotated optics[16] R90 Right-rotated optics[16] DDL Diffused drop lens[14] Shipped separately: BS Bird spikes[17] EGS External glare shield[14]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
DMG 0-10V dimming extend exit back of housing for external control (ordered separately)[9] PIR Bi-level, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 5fc[11,12,13] PIRH Bi-level, motion/ambient sensor, 15–50' mounting height, ambient sensor enabled at 5fc[11,12,13] PIRHN Network, Bi-Level motion/ambient sensor[18] PIR1FC3V Bi-level, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 1fc[11,12,13]	BL30 Bi-level switched dimming, 30% low[19] BL50 Bi-level switched dimming, 50% low[19] PNMTD2(Y) Part mark, dim 2 flash[19] PNMTD3(Y) Part mark, dim 3 flash[19] PNMTD5(Y) Part mark, dim 5 flash[19] PNMTD7(Y) Part mark, dim 7 flash[19] FAO Field adjustable output[20]		

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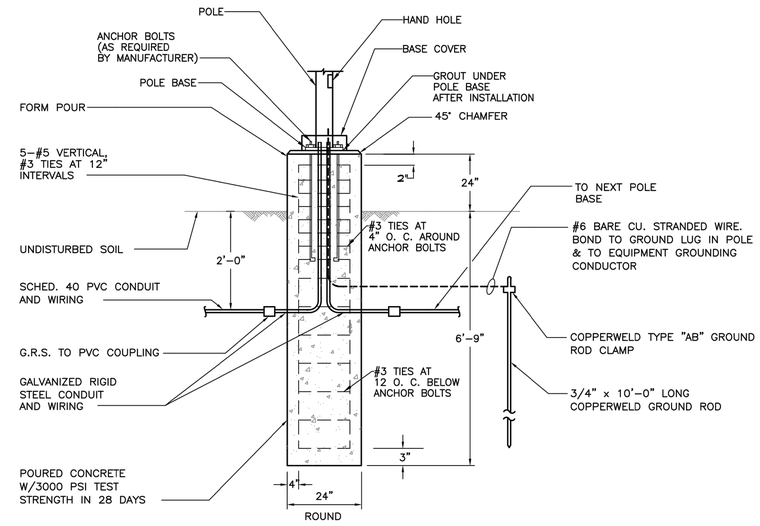
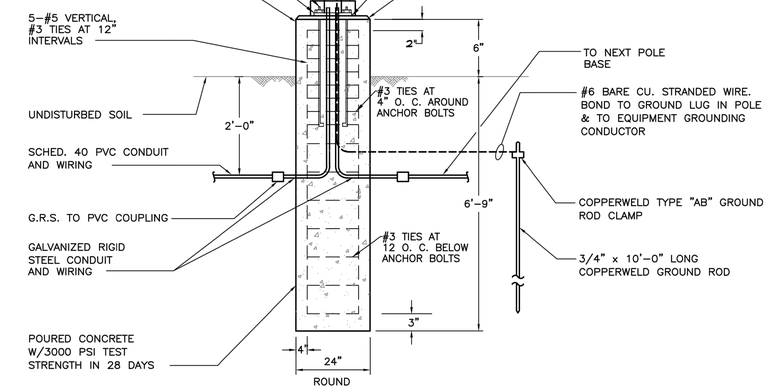


1 POLE BASE DETAIL FOR TYPEs "AA" AND "BB" LIGHTING FIXTURES
NTS



2 POLE BASE DETAIL FOR TYPE "CC" LIGHTING FIXTURES
NTS

Renaissance Group
9700 Village Circle, ste.100
Lakeland, TN 38002
901.332.5533
fax: 901.332.5534
www.rgroup.biz

REV	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS FOR

PROPOSED FACILITY FOR CITY OF FRANKLIN

FIRE STATION NO. 7

4201 LONG LAKE, FRANKLIN, TN

CITY OF FRANKLIN PROJECT NO. 2950

Sheet Title: **SITE LIGHTING FIXTURE DETAILS**

Project No: **17030**

Drawn by: **EJW**

Date: **06/15/17**

E0.3

LITHONIA LIGHTING

Catalog Number	SSA 20 6G DM28AS DBL
Notes	
Type	FIXTURE TYPE BB POLE

FEATURES & SPECIFICATIONS

INTENDED USE — Square straight aluminum general purpose pole for up to 35 foot mounting heights.

CONSTRUCTION — Shaft: Made from extruded 6063-T6 or 6061-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Hand hole: Reinforced rectangular hand hole is located 18" above base, 4" poles have 2" x 4" handhole; 5" and 6" poles have 2.5" x 4" hand hole). Hand-hole cover plate made from aluminum alloy.

Hardware: Stainless steel

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut cover discs provided. Optional cast aluminum base cover available.

FINISH — Must specify finish.

GROUNDING — Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

ANCHOR BOLTS — Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Upper portion of anchor bolt is galvanized per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Anchor Base Poles

SSA

SQUARE STRAIGHT ALUMINUM FLORIDA RATINGS

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSA 20 4C DM19 BA

SSA					
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness**	**Mounting**[1]	**Options**	**Finish**[18]
SSA	(See technical information table for complete ordering information.) 8'-50' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.)	(See technical information table for complete ordering information.) 4C 4" (125") 5C 5" (125") 5E 5" (156") 5G 5" (188") 6E 6" (156") 6G 6" (188") 7E 7" (156") 8E 8" (156") 8G 8" (188") 8J 8" (250") 9E 9" (156") 9G 9" (188") 10G 10" (188") 10J 10" (250")	Tenon mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS)[2] T35 4" O.D. (3-1/2" NPS)[2] Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/AERIS™/XMERIO™/HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° AERIS™ Segend drill mounting[3,4] DMAxAST_ OMERO™ Suspend drill mounting[3,4] DMAxMRT_	Shipped installed LJXB Less anchor bolts (include when anchor bolts are not needed) VD Vibration damper TP Tamper proof H1-10xx Horizontal arm bracket (1 fixture)[5,6] FDLxx Festoon outlet less electrical[7] CPL12xx 1/2" coupling[8] CPL34xx 3/4" coupling[8] CPL1xx 1" coupling[8] NPL12xx 1/2" threaded nipple[8] NPL34xx 3/4" threaded nipple[8] NPL1xx 1" threaded nipple[8] EHHxx Extra handhole[9,10] MACX Match existing[11] USPOM United States point of manufacture[12] Shipped separately (replacement kit available) (blank) NCD/SC Nut cover discs FBC Full base cover (spun aluminum) (blank) TC Top cap (with drill-mount poles) (blank) HHC Handhole cover	Standard colors DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum BA Brushed aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Class 1 architectural anodized ABL Black ADB Dark bronze ANA Natural Architectural colors (powder finish)[13]

NOTES

1. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T2B. The combination includes a required extra handhole.
2. 3-1/2" and 4" tenons available on 5" and 6" shafts only.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option. For 1st "x": Specify the height in feet above base of pole. *Example: 5R = 5 and 20R = 20*
   For 2nd "x": Specify orientation from handhole (A,B,C,D). Refer to the Handhole Orientation diagram on this page.
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number.
9. Use when mill certifications are required.
10. Finish must be specified. Additional colors available; see www.lithonia.com/architectural or Architectural Colors brochure (form No. 794.3).

HANDHOLE ORIENTATION

Handhole

Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

OUTDOOR

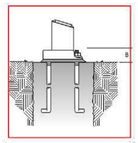
POLE-SSA-FLA

SSA Square Straight Aluminum Poles, Florida Ratings

TECHNICAL INFORMATION								
Catalog Number	**Nominal shaft length (ft.)***	**Pole Shaft Size (in x ft)**	**Wall Thickness (in)**	**EPA (Effective Projected Area) expressed in Ft.2, Maximum 3 second gust per AASHTO 2009, FBC**			**Bolt Size (in. x in. x in.)**	**Approximate ship (lbs.)**
				Maximum weight (Lbs.)	**Max EPA 130 mph (Side Mount)**	**Max EPA 150 mph (Side Mount)**		
SSA 8 4C	8	4 x 8	0.125	100	5.4	3.3	3/4 x 18 x 3	32
SSA 10 4C	10	4 x 10	0.125	100	3	1.2	3/4 x 18 x 3	37
SSA 12 4C	12	4 x 12	0.125	100	1	0	3/4 x 18 x 3	40
SSA 14 4C	14	4 x 14	0.125	0	0	0	3/4 x 18 x 3	50
SSA 15 4C	15	4 x 15	0.125	0	0	0	3/4 x 18 x 3	52
SSA 16 4C	16	4 x 16	0.125	0	0	0	3/4 x 18 x 3	54
SSA 16 4G	16	4 x 16	0.188	0	0	0	3/4 x 30 x 3	74
SSA 16 5G	16	5 x 16	0.188	100	2.2	0	3/4 x 30 x 3	83
SSA 18 4C	18	4 x 18	0.125	0	0	0	3/4 x 18 x 3	57
SSA 18 4G	18	4 x 18	0.188	0	0	0	3/4 x 30 x 3	80
SSA 18 5G	18	5 x 18	0.188	0	0	0	3/4 x 30 x 3	91
SSA 20 4C	20	4 x 20	0.125	0	0	0	3/4 x 18 x 3	62
SSA 20 4G	20	4 x 20	0.188	0	0	0	3/4 x 30 x 3	85
SSA 20 5G	20	5 x 20	0.188	0	0	0	3/4 x 30 x 3	107
SSA 20 6G	20	6 x 20	0.188	0	0	0	1 x 36 x 4	155
SSA 20 6J	20	6 x 20	0.250	100	1.9	0	1 x 36 x 4	202
SSA 25 5G	25	5 x 25	0.188	0	0	0	3/4 x 30 x 3	130
SSA 25 6G	25	6 x 25	0.188	0	0	0	1 x 36 x 4	180
SSA 25 6J	25	6 x 25	0.250	0	0	0	1 x 36 x 4	224
SSA 30 6G	30	6 x 30	0.188	0	0	0	1 x 36 x 4	210
SSA 30 6J	30	6 x 30	0.250	0	0	0	1 x 36 x 4	258
SSA 32 6J	32	6 x 32	0.250	0	0	0	1 x 36 x 4	272
SSA 35 6J	35	6 x 35	0.250	0	0	0	1 x 36 x 4	294
SSA 35 7J	35	6.75 x 35	0.250	0	0	0	1 x 36 x 4	290

EPA values are based upon the fixture being mounted 0 ft. above the pole top and 2 ft. 0 in. eccentric to the pole center line.

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.



POLE DATA						
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description
4"C	8.5" – 9.625"	3.125"	9.938"	ABTEMPLATE PJS0045	AB18-0
4"G	8.5" – 9.625"	3.125"	9.938"	ABTEMPLATE PJS0045	AB30-0
5"	10.5" – 11.5"	3.25"	11.563"	ABTEMPLATE PJS0046	AB30-0
6"	12"–13"	4"	12.25"	ABTEMPLATE PJS0044	AB36-0
7"	14.625"	4.125"	15"	ABTEMPLATE PJS0130	AB36-0

LITHONIA LIGHTING

P0LE-SSA-FLA

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D-Series Size 0
LED Area Luminaire

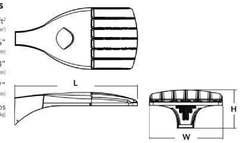
d-series

Catalog Number	DSX0 LED P3 40K T3M MVOLT SPA HS DBLXD
Notes	SINGLE LUMINAIRE PER POLE
Type	BB

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA: 0.95 ft² (.09 m²)
Length: 26" (66.0 cm)
Width: 13" (33.0 cm)
Height: 7" (17.8 cm)
Weight (max): 16 lbs (7.25 kg)



Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background.

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** P1 P4 P7 P2 P5 P3 P6 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted[2]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[3,4] LCCO Left corner cutoff[3,4] RCCO Right corner cutoff[3,4]	MVOLT[5,6] 120[5,6] 208[5,6] 240[5,6] 277[5,6] 347[5,6,7] 480[5,6,7]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[8] RPUMBA Round pole universal mounting adaptor[8] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[9]

Control options		Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled[10] PER NEMA twist-lock receptacle only (control ordered separate)[11] PER5 Five-wire receptacle only (control ordered separate)[11,12] PER7 Seven-wire receptacle only (control ordered separate)[11,12] DMG 0-10V dimming extend out back of housing for external control (control ordered separate) PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[13,14,15] PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[13,14,15] PIRHN Network, Bi-level motion/ambient sensor[13] PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[13,14,15]	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[13,14,15] BL30 Bi-level switched dimming, 30%[3,16,17] BL50 Bi-level switched dimming, 50%[3,16,17] PNMTDD3 Post mount, dim till dawn[3,18] PNMTSD3 Post mount, dim 5 hrs[3,18] PNMTGD3 Post mount, dim 6.6 hrs[3,18] PNMTTD3 Post mount, dim 7 hrs[3,18] FAO Field adjustable output[19]	**Shipped installed** HS House-side shield[20] SF Single fuse (120, 277, 347V)[21] DF Double fuse (208, 240, 480V)[21] L90 Left rotated optics[22] R90 Right rotated optics[22] DDL Diffused drop lens[20] **Shipped separately** BS Bird spikes[23] EGS External glare shield[20]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com
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Renaissance Group
9700 Village Circle, ste.100
Lakeland, TN 38002
901.332.5533
fax: 901.332.5534
www.rgroup.biz

REV	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS FOR

PROPOSED FACILITY FOR CITY OF FRANKLIN

FIRE STATION NO. 7

4201 LONG LAKE, FRANKLIN, TN

CITY OF FRANKLIN PROJECT NO. 2950

Sheet Title: **SITE LIGHTING FIXTURE DETAILS**

Project No.: **17030**

Drawn by: **EJW**

Date: **06/15/17**

E0.4

renaissance group

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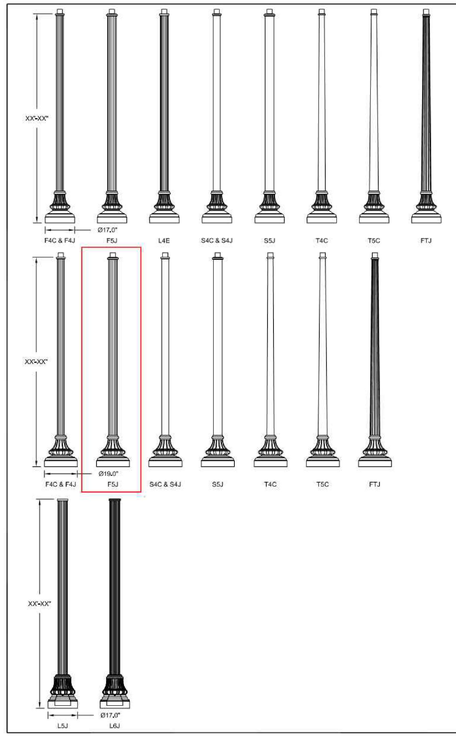

WADSWORTH™ Aluminum Pole

Architectural Outdoor

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS — An AcuityBrands Company

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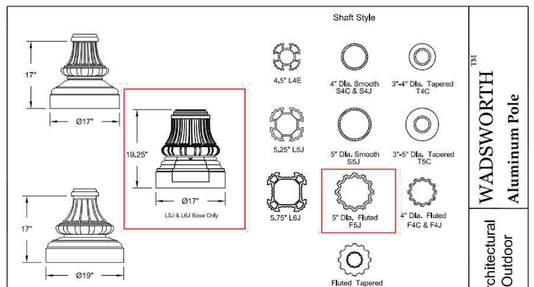
ORDER #:
TYPE:
DRAWN: KRW
DATE: 10/3/13
DWG #: POL_WDA
3 of 3



ORDERING INFORMATION:

WD	A	12	F5J
Post	Material	Height	Shaft Style
WD = Wadsworth	A = Aluminum	08 = 8' 09 = 9' 10 = 10' 11 = 11' 12 = 12' 13 = 13' 14 = 14' 15 = 15' 16 = 16' 17 = 17' 18 = 18' 19 = 19' 20 = 20' 21 = 21' 22 = 22' Cast Pole 08 = 8'-0" 10 = 10'-0" 12 = 12'-0" 14 = 14'-0"	FTJ = Fluted Tapered (Cast) .25 F4C = 4" DIA. Fluted, .125 Wall F4J = 4" DIA. Fluted, .25 Wall F5J = 5" DIA. Fluted, .25 Wall L4E = SiteLink 4.5" Fluted, .156 Wall L5J = SiteLink 5.25" Fluted, .25 Wall L6J = SiteLink 5.75" Fluted, .25 Wall S4C = 4" DIA., Smooth, .125 Wall S4J = 4" DIA., Smooth, .25 Wall S5J = 5" DIA., Smooth, .25 Wall T4C = 3" to 4" DIA., Tapered, .125 Wall T5C = 3" to 5" DIA., Tapered, .125 Wall

17	P07	ABG	BK
Base	Tenon	Mounting	Finish
17 = 17" Round (TMP460) (L4E = TMP460009) (L5J & L6J = TMP460010) 19 = 19" Round (TMP498)	P01 = POLE CAP P05 = 3" O.D. X 4" LG. P07 = 3" O.D. X 7" LG. P08 = 3" O.D. X 5" LG. P09 = 3" O.D. X 9" LG. P10 = 3" O.D. X 9" LG. P11 = AJM O.D. X 12" LG. (7 GA. ACTUAL SCH 11 SAW O.D.) P12 = 3" O.D. X 12" LG. P13 = 3" O.D. X 8" LG. P14 = 3" O.D. X 14" LG. P15 = 3.5" O.D. X 8" LG. P16 = 4.0" O.D. X 10" LG. PT1 = VGC Plate	ABG = Anchor Bolts Galvanized Steel LAB = Less Anchor Bolts DBB = Direct Bolted Base Galvanized Steel	BK = Black BD = Dark Bronze BZ = Bronze GH = Graphite GN = Green GR = Gray PP = Prime Painted SL = Silver WH = White

Options

Accessories

WDA17BRKPYYKTXX = BREAKAWAY kit

EXXXXY = Provision for eye bolt. LXXXXY = Large provision. RXXXXY = Receptacle provision. SXXXXY = Small provision. FGB = GFI receptacle in base

SPECIFICATIONS

DESCRIPTION
The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

MATERIALS
The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 Ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION
The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All welding shall be per ANSI/AWS

DIMENSIONS
The post shall be X'- XX" in height with a 17" or 19" diameter base. The shaft diameter shall be XX". At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION
The post shall be provided with four, hot dip galvanized L-type anchor bolts. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

* = Replace "XXX" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (#90, 0=90, C=180, E=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners.

WADSWORTH™ Aluminum Pole

Architectural Outdoor

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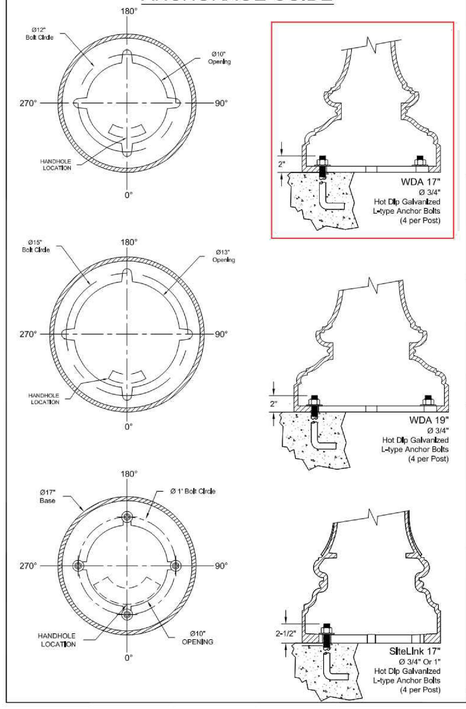
ANCHORAGE GUIDE



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2 of 3

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS

Catalog Number	AUCL2 P20 40K AS BK L4 S	
Notes		Type CC

AUCL2

Utility Arlington Series Luminaire Full Cutoff LED2

Mechanical
- Heavy grade A360 cast aluminum (<1% copper)
- Tool-less access with a spring-loaded latch
- Hidden hinge door allowing the door to swing open and remain open
- Optional internal or external NEMA twist lock photocontrol receptacle. Housing contains a tempered glass window to allow light to reach the cell for internal versions.
- Mount to slip-fitter that will accept 3" high by 2-7/8" to 3-1/8" O.D. pole tenon
- Decorative top cover contains stainless steel hinge which secures entry the LED optical chamber
- Polyester power coat paint to ensure maximum durability
- Finish meets 10,000-hour salt spray testing
- Holophane and RAL Classic finishes.

Electrical
- All surge protection meets ANSI/IEEE C62.41.2 10kV/10kA.
- Standard SPD meets 10kV/5kA per ANSI C136.2-2015.
- 20kV Option meets 20kV/10kA per ANSI C136.2-2015.
- Quick disconnect connectors for ease of installation and maintenance.
- Three pole terminal block is standard, with optional prewired leads for ease of installation
- LED drivers meets maximum total harmonic distortion (THD) of 20% and are ROHS compliant. Minimum operating temperature is -40C. Electronic driver has an estimated minimum life of 100,000 hours at 25˚C.

Optical
- IP65 rated optical compartment
- LED circuit board located in the top cover
- Asymmetric or Symmetric full cutoff distributions
- 2700K, 3000K, 4000K, and 5000K CCT
- 70CRI Standard

Control Options
- Field Adjustable Output (AO) module - Onboard device that adjusts the light output and input wattage to meet site specific requirements. The AO module is preset at the factory to position number 8 (see chart).
- Wireless remote control for monitoring performance and/or maintenance of the system – ROAM
- Factory Programmed Driver (FPDxx) - Customize lumen output prior to manufacturing and still enables control leads so other options can also be used
- Long Life Photocontrols (PCLL) – 20 Year Life
- 3 and 7 pin photocontrol receptacles internally (P3, P7) or externally (P3E, P7E) mounted
- Part-night dimming (PND) enables luminaire to monitor and adjust 50% lumens based on season and geographic location, 8-day rolling average

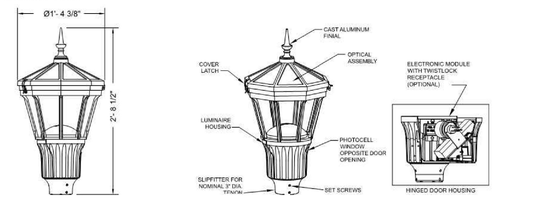
Testing/Compliance
- UL 1598 - Wet Locations Safety Listing
- Suitable for ambient temperatures -40˚C to 40˚C

Manufacturing
- Manufactured in Crawfordsville, Indiana, ARRA compliant
- 100% electrical testing on all luminaires before shipment
- Ten (10) years minimum experience in manufacturing LED based products

Warranty
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25˚C.
Specifications subject to change without notice.

DIMENSIONAL DATA



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AUCL2
Utility Arlington Series Luminaire Full Cutoff LED2

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS

ORDERING INFORMATION

Example: AUCL2 P20 30K AS GN L2 P7E

Series	Led performance package	LED Color temperature	Voltage	Housing color	Optics	Finial
AUCL2 Utility Arlington LED FCO	P10 1,580 nominal lumens (amber only)	AM True amber	AS Auto-sensing voltage (120 thru 277) 50/60 HZ	BK Black	L2 Type 2 distribution full cutoff	N None
	P20 4,580 nominal lumens	27K 2700K CCT		GR Gray	L3 Type 3 distribution full cutoff	B Ball
	P30 6,500 nominal lumens	30K 3000K CCT	AH Auto-sensing voltage (347 thru 480) 50/60 HZ	GH Graphite	L4 Type 4 distribution full cutoff	S Spike
	P40 8,500 nominal lumens	40K 4000K CCT		GN Green	L5 Type 5 distribution full cutoff	
	P50 11,500 nominal lumens	50K 5000K CCT		PP Prime paint		
				WH White		
				BZ Bronze		
				TDC RAL Color color (RAL**)		
				CMC Custom color match		

Options: *Option Compatibility Matrix on page 3 of 4*

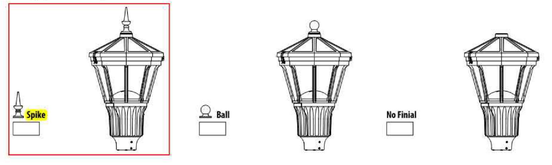
A0	Field Adjustable Output	P3E	NEMA Twist Lock Dimming Photocontrol Receptacle - 3 PIN. Externally mounted	L1H	1.5 ft prewired leads
DE	ROAM Hardware DecoNode and DCM Factory Installed	P7E	NEMA Twist Lock Dimming Photocontrol Receptacle - 7 PIN. Externally mounted	L03	3ft prewired leads
FPDxx	Factory Programmed Driver	RME	ROAM Node (External)	L10	10 ft prewired leads
P3	NEMA Twist Lock photocontrol receptacle - 3 PIN receptacle only.	RME3	347V ROAM NODE (External)	L20	20 ft prewired leads
P7	NEMA Twist Lock Dimming photocontrol receptacle - 7 PIN receptacle only.	RME4	480V ROAM NODE (External)	L25	25 ft prewired leads
PCS	DTL twistoff photocontrol for solid-state lighting 120-277V	PSC	Shorting cap	L30	30 ft prewired leads
PCLL	DTL long life twistlock photocontrol for solid-state AS & AH	HSS	House side shield	NLHX1	NEMA Label 1" X 1"
PND	Part night dimming - down to 50%			NLHX2	NEMA Label 2" X 2"
P34	DTL twistlock photocontrol 347V			20KV	20kV/10kA surge protection
P48	DTL twistlock photocontrol 480V				

Accessories: *Order as separate catalog number.*

XACL2HSS1	Field Accessory - Louvered house side shield (Qty 1)
XACL2HSS350	Field Accessory - Louvered house side shield (Bulk Qty 50)
XACL2SPD10KAS	10kV/5kA Extreme surge 120-277V
XACL2SPD10KAH	10kV/5kA Extreme surge 480V
XACL2SPD20KAS	20kV/10kA Extreme surge 120-277VV
XACL2SPD20KAH	20kV/10kA Extreme surge 480V

FINIAL INFORMATION

Mark Appropriate Box for Finial Options



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Renaissance Group
9700 Village Circle, ste.100
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901.332.5533
fax: 901.332.5534
www.rgroup.biz

REV	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS FOR

PROPOSED FACILITY FOR CITY OF FRANKLIN

FIRE STATION NO. 7

4201 LONG LAKE, FRANKLIN, TN

CITY OF FRANKLIN PROJECT NO. 2950

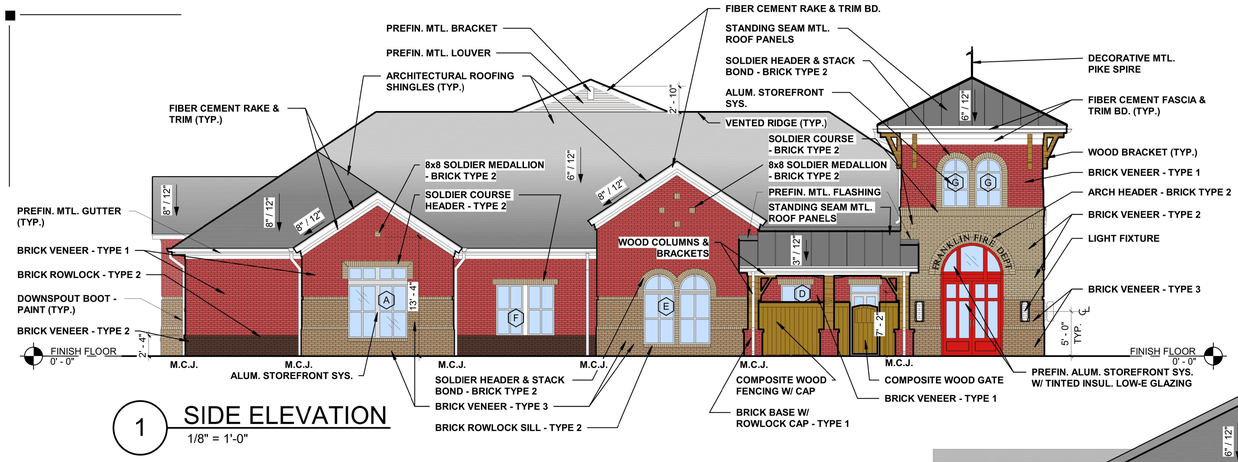
Sheet Title: SITE LIGHTING FIXTURE DETAILS

Project No: 17030

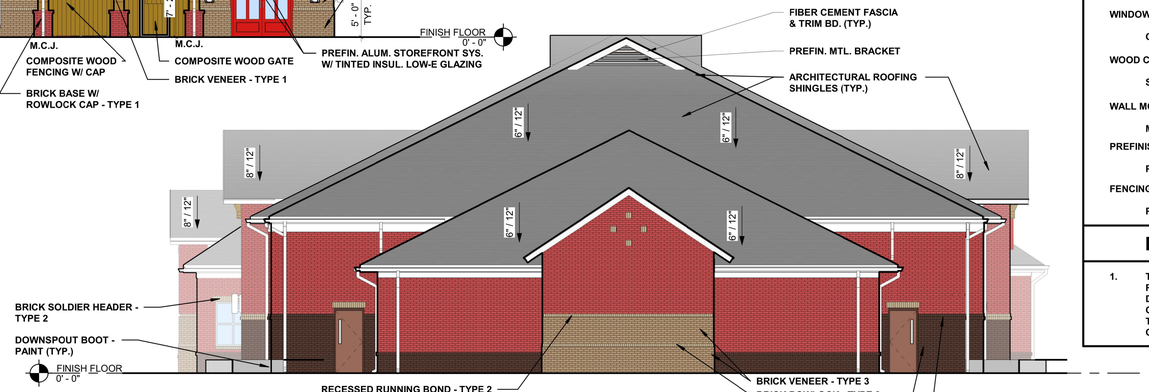
Drawn by: EJW

Date: 06/15/17

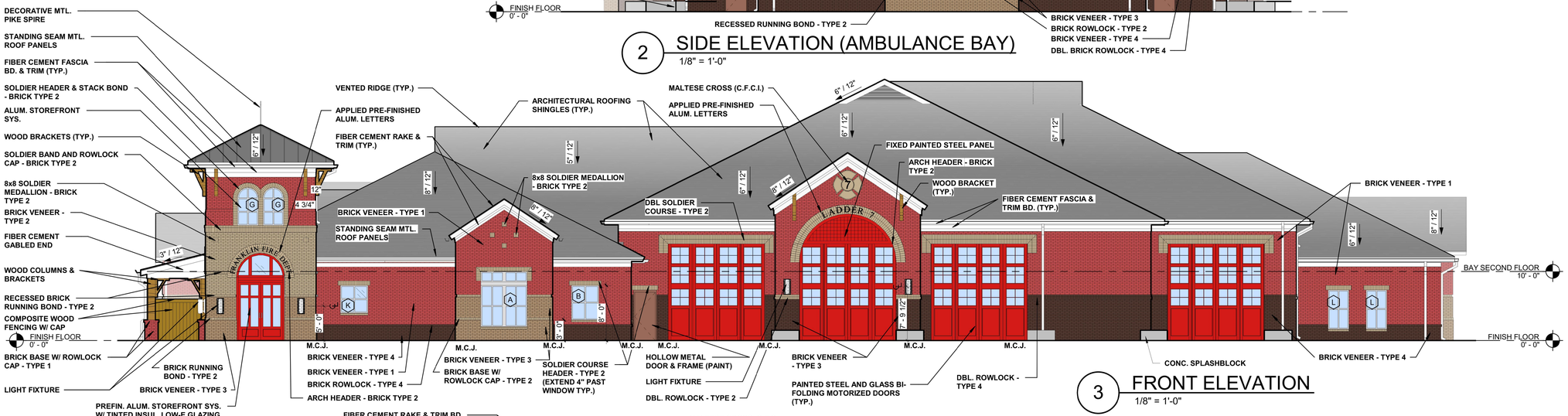
E0.5



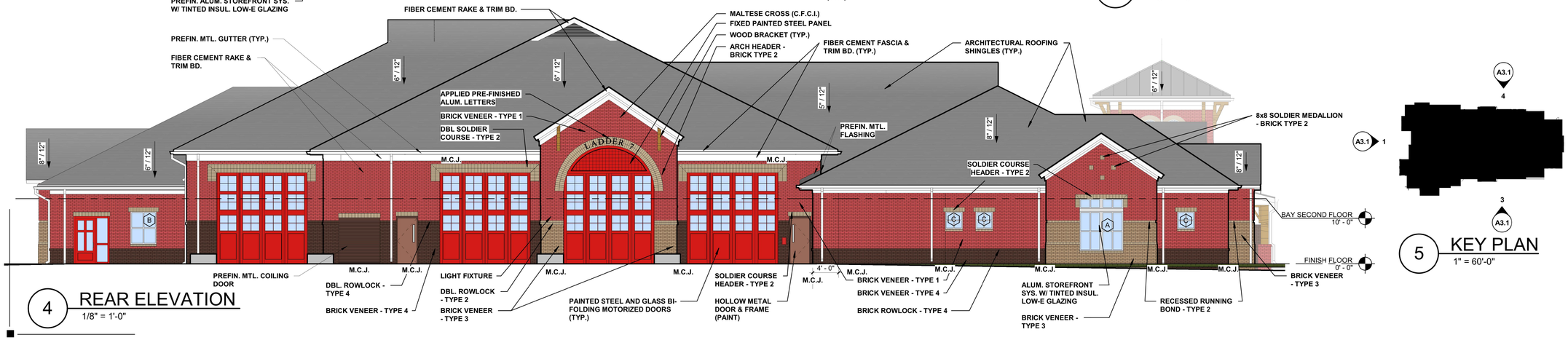
1 SIDE ELEVATION
1/8" = 1'-0"



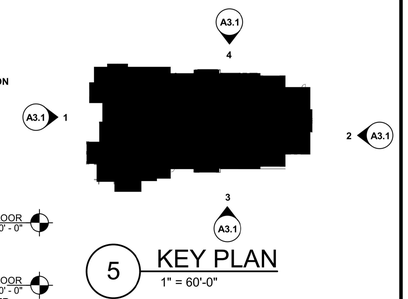
2 SIDE ELEVATION (AMBULANCE BAY)
1/8" = 1'-0"



3 FRONT ELEVATION
1/8" = 1'-0"



4 REAR ELEVATION
1/8" = 1'-0"



5 KEY PLAN
1" = 60'-0"

EXTERIOR ELEVATIONS LEGEND

BRICK VENEER TYPES (TAYLOR CLAY PRODUCTS, INC.):

- BRICK TYPE 1 - #317D RED WIRECUT
- BRICK TYPE 2 - OYSTER GRAY WIRECUT
- BRICK TYPE 3 - OYSTER GRAY CHISEL FACE
- BRICK TYPE 4 - #373 AUTUMN BLEND WIRECUT

PAINT COLORS:

- TRIMS AND FASCIAS - WORLDLY GRAY SW 7043
- APPARATUS BAY AND TOWER ENTRY DOORS - GYPSY RED SW 6865
- HOLLOW METAL DOORS - TEA CHEST SW 6103 (TO MATCH BRICK TYPE 4)

ROOFING:

- METAL ROOF - MEDIUM BRONZE
- ARCHITECTURAL ROOF SHINGLES - TIMBERLINE WEATHERWOOD

WINDOWS:

- CLEAR ANODIZED ALUMINUM

WOOD COLUMNS & BRACKETS:

- STAINED SEALED CEDAR

WALL MOUNTED LIGHT FIXTURES:

- MEDIUM BRONZE

PREFINISHED MTL. GUTTERS AND DOWNSPOUTS:

- PAC-CLAD SANDSTONE

FENCING:

- PREMIUM COMPOSITE FENCING - TERRAFENCE: COLOR - SEQUOIA

ELEVATIONS GENERAL NOTES

1. THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE CITY OF FRANKLIN'S ARCHITECTURAL DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING COMMISSION/CITY OF FRANKLIN. CHANGES SHALL NOT BE MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY EITHER THE CODES DIRECTOR OR THE PLANNING COMMISSION.

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NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS FOR

PROPOSED FACILITY FOR CITY OF FRANKLIN
FIRE STATION NO. 7

4412 PEYTONSVILLE ROAD
FRANKLIN, TN 37064

CITY OF FRANKLIN PROJECT NO. 2950

Sheet Title: EXTERIOR ELEVATIONS
Project No.: 17030
Drawn by: REC
Date: 04/04/18

Sheet No.: A3.1

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