PROJECT LIMITS
16.2 AC.± (TYP.)

TEMPORARY CONSTRUCTION EXIT

SILTATION FENCE (TYP.)

APPX. 37 ACRES DRAINING ONTO PROJECT LIMITS FROM THE NORTHEAST UNDER MEMORIAL BOULEVARD

FILTER FABRIC PROTECTION FOR INLETS (TYP.)

LOCATION MAP
N.T.S.

EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL 'FINAL' MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND

- Ø Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- Sewer Line Check Dam
- —00— Existing Contours
- —00— Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E—T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

LEGEND FOR MONUMENTS
- IPS ○ IRON PIN SET
- IPF ○ IRON PIN FND.
- ○ RAILROAD SPIKE
- FENCE
- ● SURVEY POINT
- △ NAIL
- ■ CONC. MARKER FND.

MAGNETIC N W E S
50' 0 50'

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION
		INITIAL MEASURES

JOE MANLY TIWE III
REGISTERED ENGINEER
NO. 110404
STATE OF TENNESSEE
04-10-15
COMMISSION EXPIRES

HUDDLESTON-STEELE ENGINEERING, INC.
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

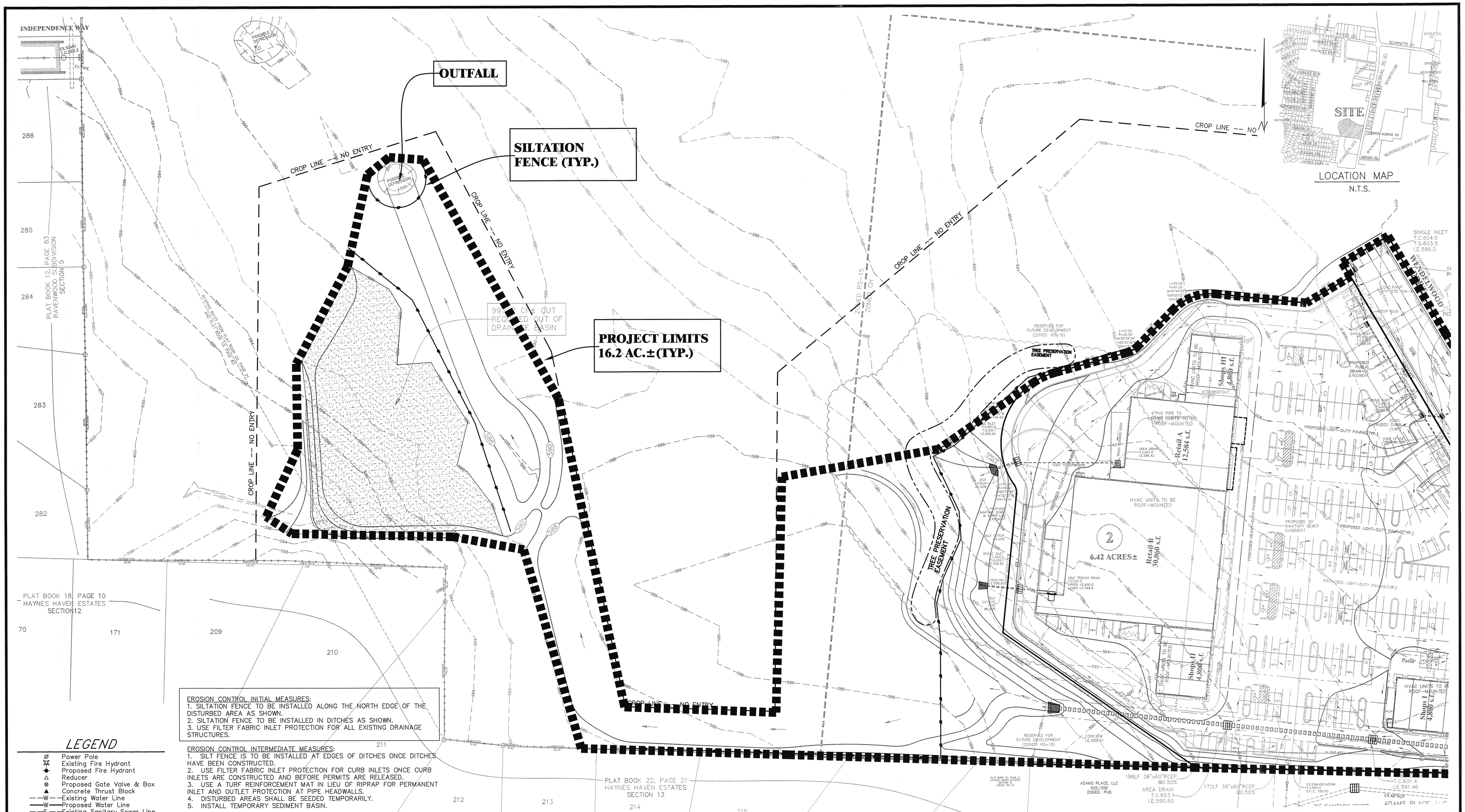
EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231NORTH/MEMORIAL BLVD.

13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TN.

DATE: MAY, 2015 | SCALE 1"=50' | SH. 1 OF 6



EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE IS TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL 'FINAL' MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND

- Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- CD Sewer Line Check Dam
- —00— Existing Contours
- —00— Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E—T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

N MAGNETIC W E S

50' 0 50'

LEGEND FOR MONUMENTS
IPS IRON PIN SET
IPF IRON PIN FND.
RAILROAD SPIKE
FENCE
SURVEY POINT
NAIL
CONC. MARKER FND.

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION
		INITIAL MEASURES

JOE MANLY THWEATT
LICENSED PROFESSIONAL ENGINEER
AGRICULTURE
CIVIL
STATE OF TENNESSEE

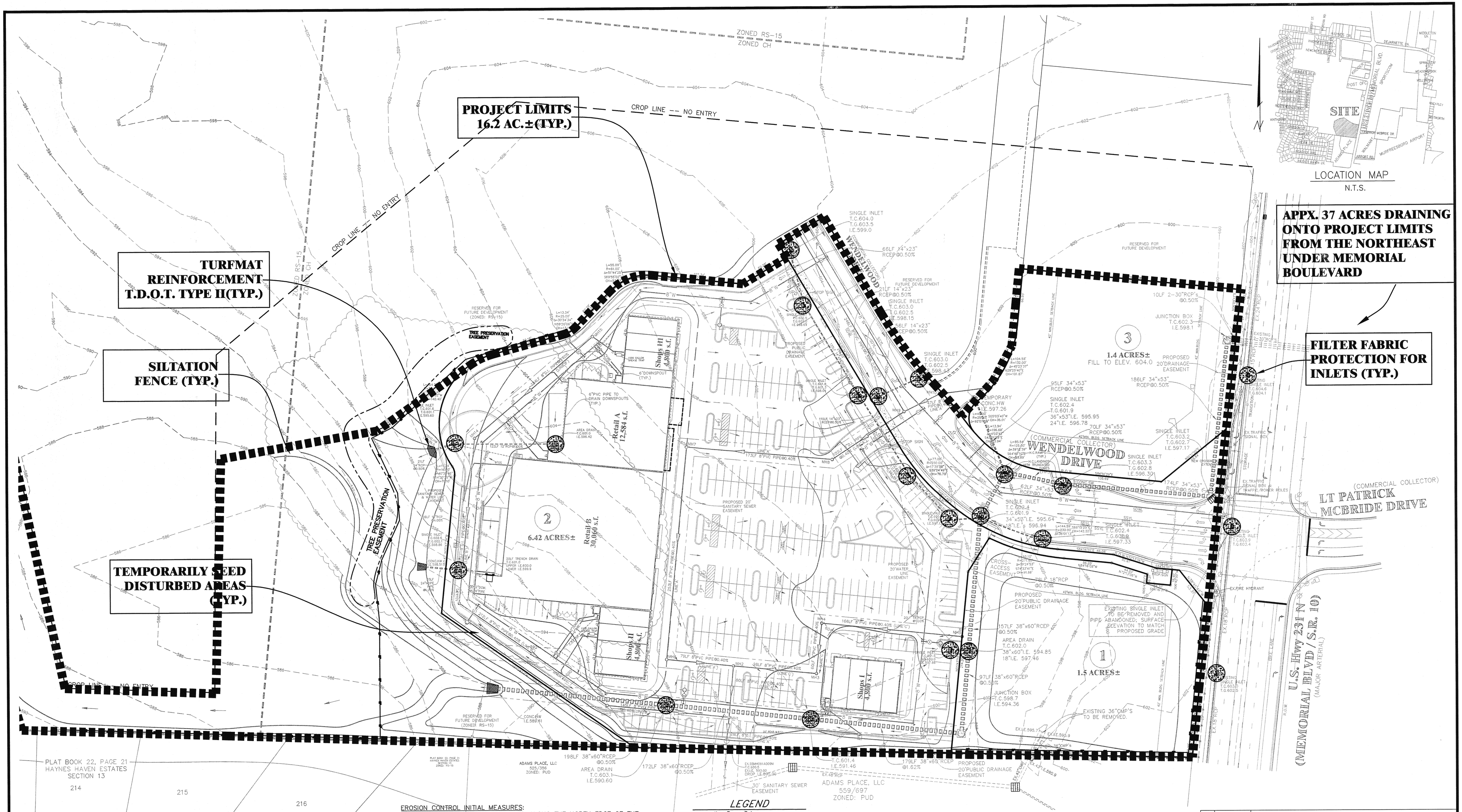
SHUDDLESTON-STEELE ENGINEERING INC
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

OFFSITE EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231NORTH/MEMORIAL BLVD.
13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TN.

DATE: MAY, 2015 | SCALE 1"=50' | SH. 2 OF 6



EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL "FINAL" MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND FOR MONUMENTS
IPS ○ IRON PIN SET
IPF ○ IRON PIN FND.
○ RAILROAD SPIKE
FENCE
● SURVEY POINT
△ NAIL
■ CONC. MARKER FND.

LEGEND

- Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- CM Sewer Line Check Dam
- —00— Existing Contours
- —00— Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E—T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION

INTERMEDIATE MEASURES

JOHN MANLY THRASHER
REGISTERED ENGINEER
NO. 102 06-10-15
STATE OF TENNESSEE

HUDDLESTON-STEELE ENGINEERING, INC.
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

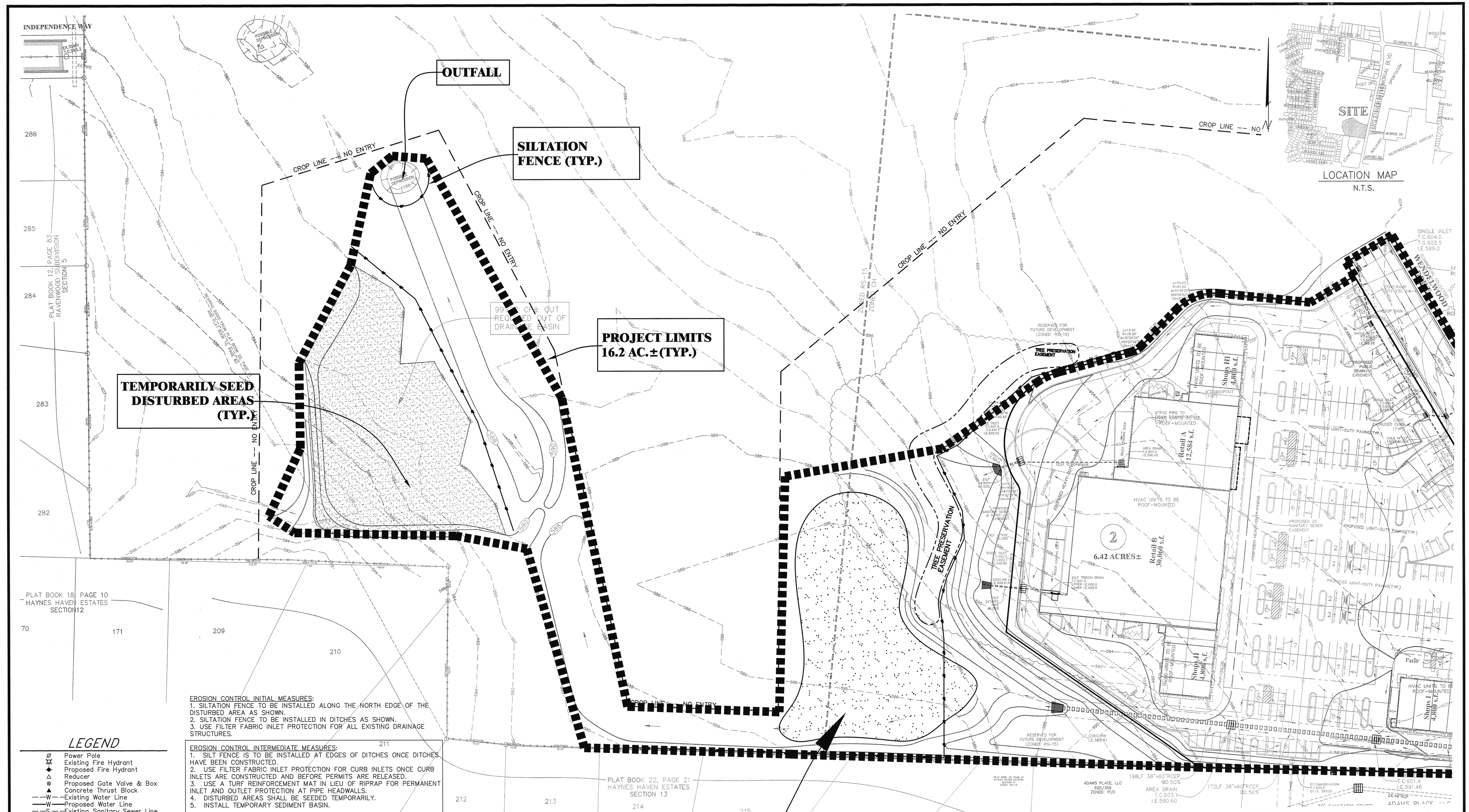
EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231NORTH/MEMORIAL BLVD.

13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TN.

DATE: MAY, 2015 | SCALE 1"=50' | SH. 3 OF 6



EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL 'FINAL' MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND

- Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- CD Sewer Line Check Dam
- —00— Existing Contours
- —00— Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E— —T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

LEGEND FOR MONUMENTS
IPS IRON PIN SET
IPF IRON PIN FND.
RAILROAD SPIKE
FENCE
SURVEY POINT
NAIL
CONC. MARKER FND.

TEMPORARY SEDIMENT BASIN:
37 ACRES OFFSITE PLUS 16.2 ACRES IN PROJECT=53.2 AC.±

WET STORAGE: (53.2)x(1809cf/ac) = 96,239 cf±
DRY STORAGE: (53.2)x(1809cf/ac) = 96,239 cf±

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION
		INTERMEDIATE MEASURES

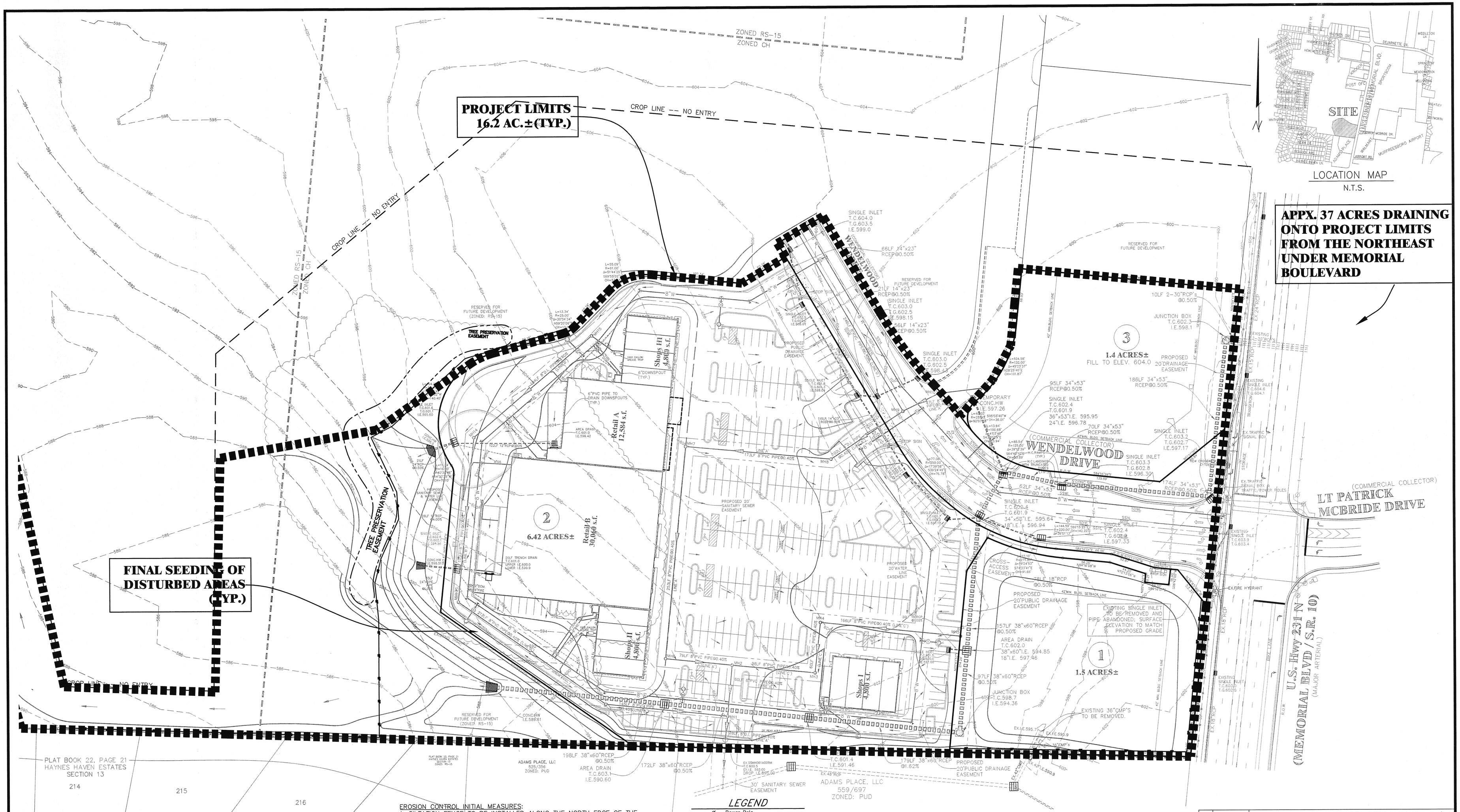
HUDDLESTON-STEELE ENGINEERING, INC.
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

OFFSITE EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231NORTH/MEMORIAL BLVD.
13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TN.

DATE: MAY, 2015 | SCALE 1"=50' | SH. 4 OF 6



EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL 'FINAL' MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND FOR MONUMENTS
IPS ○ IRON PIN SET
IPF ○ IRON PIN FND.
○ RAILROAD SPIKE
FENCE
● SURVEY POINT
△ NAIL
■ CONC. MARKER FND.

LEGEND

- Ø Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- CD Sewer Line Check Dam
- 600 Existing Contours
- 600 Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E—T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION
		FINAL MEASURES

JOE MANLY THWEATT
REGISTERED ENGINEER
No. 109 06-10-15
STATE OF TENNESSEE
HUDDLESTON-STEELE ENGINEERING, INC.
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

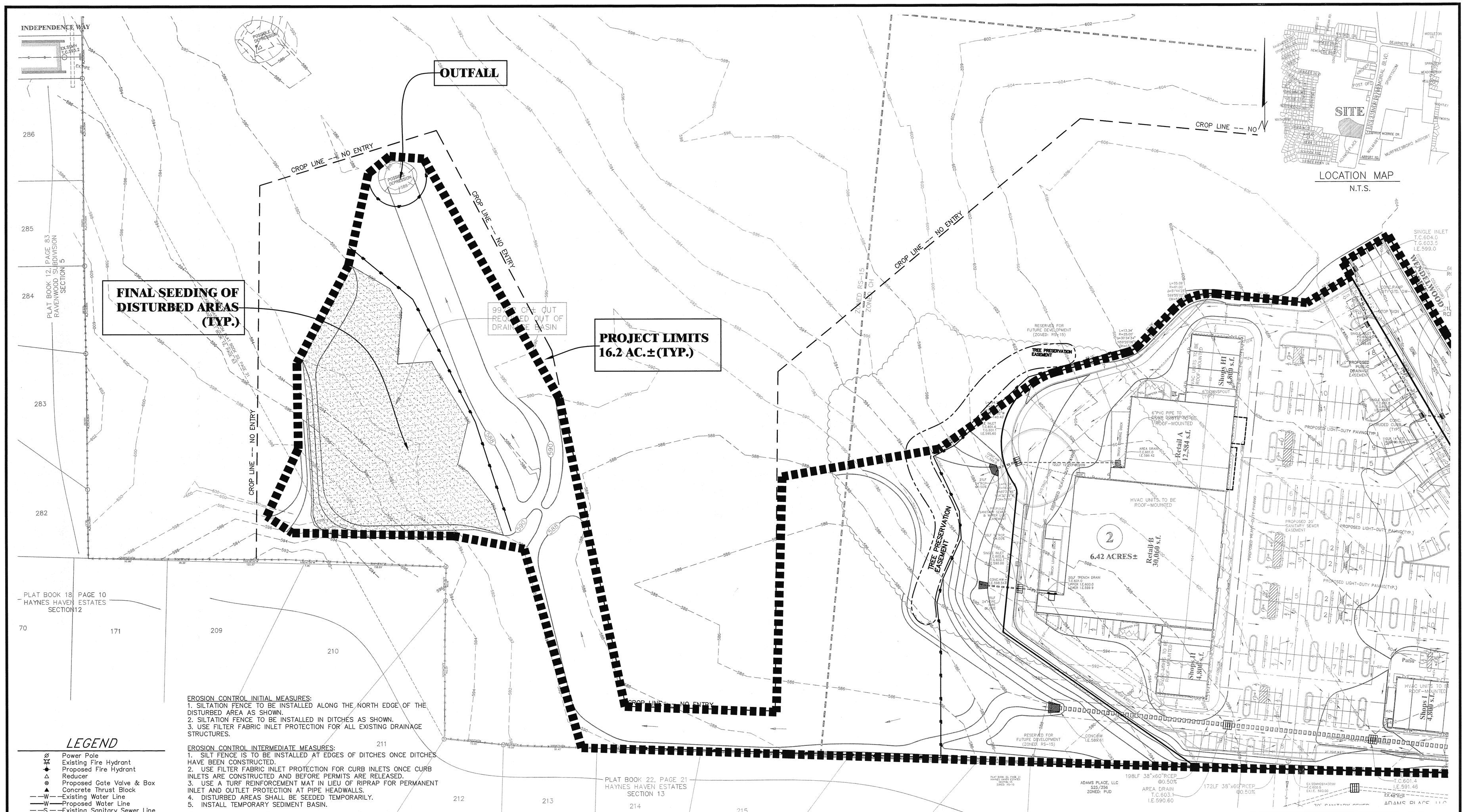
EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231 NORTH/MEMORIAL BLVD.

13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TN.

DATE: MAY, 2015 | SCALE 1"=50' | SH. 5 OF 6



EROSION CONTROL INITIAL MEASURES:
1. SILTATION FENCE TO BE INSTALLED ALONG THE NORTH EDGE OF THE DISTURBED AREA AS SHOWN.
2. SILTATION FENCE TO BE INSTALLED IN DITCHES AS SHOWN.
3. USE FILTER FABRIC INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES.

EROSION CONTROL INTERMEDIATE MEASURES:
1. SILT FENCE IS TO BE INSTALLED AT EDGES OF DITCHES ONCE DITCHES HAVE BEEN CONSTRUCTED.
2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
3. USE A TURF REINFORCEMENT MAT IN LIEU OF RIPRAP FOR PERMANENT INLET AND OUTLET PROTECTION AT PIPE HEADWALLS.
4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
5. INSTALL TEMPORARY SEDIMENT BASIN.

EROSION CONTROL 'FINAL' MEASURES:
1. VEGETATION OF DITCHES AND SEEDING OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES.

LEGEND

- Power Pole
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Reducer
- Proposed Gate Valve & Box
- Concrete Thrust Block
- —W— Existing Water Line
- —W— Proposed Water Line
- —S— Existing Sanitary Sewer Line
- —S— Proposed Sanitary Sewer Line
- Existing Manhole
- Proposed Manhole
- CD Sewer Line Check Dam
- —00— Existing Contours
- —00— Proposed Contours
- 00.0 Existing Spot Elevations
- 00.0 Proposed Spot Elevations
- —SF— Siltation Fence (to be installed before grading and left in place until a good stand of grass is established over all disturbed areas.)
- Turf Reinforcement Mat
- —E—T— Existing Telephone & Electric Line
- —UGE— Existing Underground Electric Line
- —CMP— Corrugated Metal Pipe
- —RCP— Reinforced Concrete Pipe

N
W MAGNETIC E
S

50' 0 50'

LEGEND FOR MONUMENTS
IPS IRON PIN SET
IPF IRON PIN FND.
RAILROAD SPIKE
FENCE
SURVEY POINT
NAIL
CONC. MARKER FND.

DEVELOPER: GBT REALTY CORPORATION
ADDRESS: 9010 OVERLOOK BLVD
BRENTWOOD, TN 37027
TAX MAP: 69 PARCEL: 74

FLOOD MAP PANEL: 470168 0145 H ZONE: X
DATED: JANUARY 5, 2007

NOTE: THIS PARCEL IS SUBJECT TO ALL EASEMENTS AS SHOWN AND ANY OTHER EASEMENTS AND/OR RESTRICTIONS EITHER RECORDED OR BY PRESCRIPTION THAT A COMPLETE TITLE SEARCH MAY REVEAL.

#	DATE	REVISION DESCRIPTION
		FINAL MEASURES

JOE MANLY THWEATT
REGISTERED ENGINEER
No. 102010
STATE OF TENNESSEE
CERTIFICATE No. 102010
06 / 10 / 15

HUDDLESTON-STEELE ENGINEERING, INC.
2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
TELEPHONE: 893 - 4084, FAX: 893 - 0080

OFFSITE EROSION PREVENTION/SEDIMENT CONTROL PLANS

THE SHOPPES AT NORTHGATE

U.S. 231 NORTH/MEMORIAL BLVD.

13TH CIVIL DISTRICT – RUTHERFORD COUNTY – TN.

DATE: MAY, 2015	SCALE 1"=50'	SH. 6 OF 6