DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
DALE PERRYMAN,
TOWN ENGINEER
500 POPLAR VIEW PARKWAY
COLLIERVILLE, TENNESSEE 38017

RESIDENTIAL

PLANS REVIEW CHECK LIST

PROJECT NAME:		
PHASE:		
SECTION:		
REVIEWED BY:	**DATE:**	
REVIEWED BY:	**DATE:**	
REVIEWED BY:	**DATE:**	☐ **FEE**
REVIEWED BY:	**DATE:**	☐ **FEE**

COVER: Page 1/1

REVIEWED DATE:			
Name of Project (Top Center) (See Attachment)			
Index of Sheets			
Cover			
Plat			
Grading and Drainage Plan (scale 1" = 60' max.)			
Erosion Control Plan (scale 1" = 60' max.)			
Tree Plan			
Sanitary Sewer Plan (scale 1" = 60' max.)			
Water Plan (scale 1" = 60' max.)			
Combination Utility Plan			
Plan and Profile Plan			
Landscape Plan			
Lighting Plan			
Town of Collierville Details			
General Notes (See Attachment)			
Vicinity Map			
Name of Design Firm			
Name of Developer			

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PLAT: Page 1/2

REVIEWED DATE:			
Title Block:			
Project Name and Location			
Phase Section & Area			
Date			
Scale			
Area (Ac.) Total Development			
Number of Lots			
Engineer			
Developer			
Zoning			
General:			
Acreage / Lot			
Adj. Property Owners with parcel ID numbers			
Building Setbacks			
Corner Monuments			
Hold Harmless for Private Streets (note)			
Intersection Angles			
Minimum Easements Width (20' Sewer)			
Minimum Easements Width (20' Drainage)			
Minimum Radius 25' (Residential)			
Road Improvements - Existing			
North Arrow			
Graphic Scale			
Northing & Easting of Boundary Corners			
100-yr Flood Elev. With SFHA Note			
Boundary Information			
Calls			
Bearings			
P.O.B. (Distance to Nearest Street Intersection)			
Tie down property to centerline of nearest Street			
TBM (Builders)			
Phase Lines			
Landscape Areas			
Lot Dimensions			
C.O.S. (Square footage)			
Lot Area (Square Footage)			

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			PLAT: Page 2/2
REVIEWED DATE:			
Setback (All Sides)			
Lot Numbers (To be Successive in Subsequent Phase)			
Side/Rear Yard Swale Note			
Minimum Finish Floor Elevation			
Show all Easements:			
Drainage Easement (Public/Private)			
Sanitary Sewer Easement (Public/Private)			
Tie Down Easements			
Pedestrian / Utility Easement			
Easement Conflicts			
Detention ponds (Show & Label W/Detention Note)			
Utility Easement			
Water easement (Public / Private)			
Temporary Turnaround Easement			
Show any Landscape Plates on Landscape Plan			
100-YR Flood Note if in Floodplain and show Graphically with BFE's			
Street Names and ROW			
TBM's			
Vicinity Map (Put on 1st			
Conditions Of Approval (2nd Sheet of Plat)			
Certificates: (Loc. Detail on Appendix B)			
1. Owner with Notary			
2. Mortgagee W/Notary			
3. Off-site Easements W/Signature & Notary (if applicable)			
4. Surveyor			
5. Engineer Design STDS			
6.Engineer Adequacy of Storm Drainage			
7. Board of Mayor and Aldermen			
8. Planning Commission			

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GRADING & DRAINAGE: Page 1/3			
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Sheet number			
General:			
North Arrow			
Graphic scale			
TBM Note			
Contours (Off Site)			
100 feet developed property			
200 feet undeveloped property			
Minimum 2.0% Grade on Lots			
Off Site Grading - Need Letter of Permission and Easement			
Stations for Streets			
Side Yard Swale Note			
Property Lines			
Lot Lines			
Existing Contours			
Proposed Contours			
Street Names			
Ridge Lines Delineating Basins			
Sub-Basin Drainage Areas			
Area of off-Site Basins Draining to Development			
Adjoining Development Property Owner Names			
Adjacent Improvements			
100-YR Flood Note if in Floodplain and show Graphically with BFE's			
Rip-Rap Class			
Rip-Rap Dimensions and Thickness			
Public Drainage Easements			
Private Drainage Easements			
Water Table Drainage Area			
Water Table Design Flows			

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GRADING & DRAINAGE: Page 2/3			
REVIEWED DATE:			
Structure Table:			
Type of Structure			
Drainage Area to Inlet			
Total Design Flow to Structure (Q-25) (Including any previous By-Pass)			
Intercepted Flow			
By-Pass Flow			
Structure Top Elevation			
F.L. of Throat, No. Open, etc for 3X3 (F.L. In / F.L. Out)			
Inlet Station and Offset			
Width of Spread of Flow in Street			
As Built Information; (Flowline, Top Elevation)			
Pipe Table:			
Pipe Size (in.)			
Pipe Length (Ft.)			
Slope (%)			
Design Flow (Q-25 yr Storm Event)			
Pipe Capacity (Qc)			
Gross Drainage Area Tributary to Pipe (Ac.)			
Pipe Velocity (F.P.S.)			
As Built Information; (From, To, Slope, Length, Size, Qc)			
Ditch Data:			
Typical Cross Section			
Location			
Slope			
Flow Depth			
Capacity			
Velocity			
Const. > 5.5 times ditch width			
Detention Data:			
State-Storage-Discharge Relationship			
Drainage Area In			
Design Flow (Q- 2, 10 & 25 yr Storm Events)			
Check 100-yr Storm Event (1’ freeboard emergency spillway)			
C			
Tc			
Allowable Discharge			
Controlling Downstream Structure			

DEVELOPMENT DEPARTMENT
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GRADING & DRAINAGE: Page 3/3			
REVIEWED DATE:			
Outlet Structure Detail			
Proposed Pond Grading			
Calculations (Required)			
Minimum Finish Floor Elevations:			
In Low Areas			
Along Overflow Routes			
One foot Above 100-yr Storm Elevations			
On Plat			
On Grading and Drainage Plan			
Major Drainage way Data:			
HEC-2 Analysis			
Drainage Easement 5 times Top Width			
Access to Drainage Way			
"Trash and Deadwood" Note			
Improvement Cross-Section and Details			
Location and Geometry of Improvements			
Easement Type and Location			
Temporary Water Quality Buffer (jurisdictional streams) • 30’ from top of bank if drainage area < 1 sq. mile • 60’ from top of bank if drainage area > 1 sq. mile			
Permanent Water Quality Buffer (jurisdictional streams) • 30’ from top of bank • 60’ from top of bank if discharge to impaired or exceptional waters			

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EROSION CONTROL (SWPPP): Page 1/1			
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Sheet number			
General:			
Vicinity map			
North Arrow			
Graphic Scale			
Property line and interior lot lines (boundary of permitted area)			
Street Names			
Adjoining Development/Property Owner Name			
Provide N.O.C. Info with effective Date & Tracking No.			
Topographic information for the site and adjacent properties			
Approximate slopes after major grading activities (ERC Plan - Ph 2 and/or 3)			
Delineate areas of soil disturbance			
Location of major structural and nonstructural controls			
Location and boundary of Water Quality Buffer Zones			
Locations of surface waters including wetlands, sinkholes, and outfall points			
Location of other permit boundary areas (such as ARAP, TVA 26A, or COE perms, including locations of stream realignments and mitigation areas)			
Locations of temporary and permanent stormwater management structures			
Locations of stockpiles and/or borrow areas if located onsite			
Separate sheets for each phase (stage) of construction – 2 phases minimum (3 phases required for projects > 5 acres – 1. Clearing and Grubbing, 2. Initial Grading, 3. Final Grading)			
Details with dimensions, cross sectional views, and/or plan views			
Construction Entrance			
Inlet Protection			
Silt Fence			
Others (provide for any structural and nonstructural controls utilized)			
NPDES Note			
Permit Data:			
NPDES Permit (N.O.I.)			
ARAP Permit (If it's Applicable)			
Copy of State Approved Permit (N.O.C.)			
Copy of Written SWPPP			

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			SANITARY SEWER: Page 1/3
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Sewer Basin Identification			
Sheet number			
Development Location (nearest street intersection)			
General:			
Town of Collierville Sewer Notes (See Attachments)			
Vicinity map			
100-YR Flood Note if in Floodplain and show Graphically with BFE's			
North Arrow			
Graphic Scale			
TBM Note			
Property line and interior lot lines			
Street Names			
Adjoining Development/Property Owner Name			
New Easement (all on one lot) with size ties, etc.			
Existing Sewer Data for tie in points			
Private Sewer Clearly Marked			
Private Sewer Certificates			
Up stream Service Provided (Show Qc Qd, A)			
Qc, Qd and A shown at all downstream tie-ins			
Flow Direction Arrows			
Clearance CL Sewer to Face of Curb (5 ft min.)			
Off-street Sewer Profile Reference			
Check Sewer Angles			
New MH ties to existing MHs			
Utilities affecting installation (gas lines, etc.)			
Ridgelines not to be crossed			
Offset from Ditches and Streams			
Rip-rap Protection for Ditch crossings			
Minimum Floor Elevation for lots in “holes”			
Standard Ingress/Egress Note on Plan			
Provide note: “Sanitary sewer from this development flows to ??? waste water treatment plant.”			

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		SANITARY SEWER: Page 2/3	
REVIEWED DATE:			
Special pipe notes where needed			
No CADD partial wording			
7’ North and West of Center Line			
Manholes:			
Manhole size (if not 4 ft diameter.)			
Flowline Elevations with pipe size & direction			
Manhole Top Elevation			
Drop Construction required if drop >2ft			
Maximum of 3 house connections into a MH			
0.1 ft drop across manholes			
Manhole Top Elevations			
1’ above 100-yr flood elevation			
1.5’ above grade in open areas			
0.5’ above grade in back yard			
Sealed lids and vent stacks required if rim not above 100-yr flood (Note on Plans)			
SMH Spacing (8”-21”=400’ max)			
Pipe Data:			
Pipe Size (in.)			
Pipe Length (Ft.)			
Slope Percent (%)			
SMH Numbered Starting with No. 1 at Down Stream			
Ductile Iron Required:			
less than 1.5 ft clearance with drainage			
less than 4 ft of cover			
fill ground			
drop construction			
ditch crossing			
No house connection in lines over 10”			
Match tops in MH except 8” into 12” and larger			
Off-street House Conn. Dimensioned			
Minimum 8” pipe slope 0.50%			

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			SANITARY SEWER: Page 3/3
REVIEWED DATE:			
Siphon Data:			
Typical Cross Section			
Calculations Showing:			
Loading			
Barrel Size			
Capacity			
Velocity			

One copy of the state approved (if required) Sanitary Sewer Plan shall be provided to the Engineering Division. Construction of the sanitary sewer shall not begin until state approval is received.

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			WATER: Page 1/1
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Sheet number			
General:			
Town of Collierville Water Notes (See Attachment)			
Any Water Line 6" or larger must be public (up to valve)			
F/H Spacing<400' (Commercial)			
F/H Spacing<500' (Residential)			
Fire Dept./Building Notes:			
Lot Numbers			
Use Stainless Steel Tapping Sleeve only			
Valves at all Tees			
Valves at all tees W/FH			
Valves at the end of Line			
Town of Collierville Water Notes			
Vicinity map			
North Arrow			
Graphic Scale			
TBM Note			
Property line and interior lot lines			
Street Names			
Adjoining Development/Property Owner Name			
New Easement (all on one lot) with size ties, etc.			
Water 5’ of Curb South and East of Centerline			
Call out Bends (11.25°, 22.50°, 45.00°)			
Show water Service			

One copy of the state approved (if required) Water Plan shall be provided to the Engineering Division. Construction of the water system shall not begin until state approval is received.

DEVELOPMENT DEPARTMENT
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Street Name:			
		PLAN AND PROFILE: Page 1/3	
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Street Name			
Sheet number			
General:			
Water Table Design Flow			
DMH at End of Radial Pipes			
DMH Sta. & Offset if Not on Centerline			
DMH Flow Lines			
Off Street Drainage Profiles			
Rip-Rap Grade			
Rip-Rap Dimensions and Thickness			
Headwall Exit Velocity			
Ditching at Headwall			
North Arrow			
Graphic Scale			
Scale (1" = 50' Horizontal)			
Scale (1" = 5' Vertical)			
Pipe Crossings <1.5' need DIP			
Minimum G&G slope in Coves 1.0% (unless inlet 0.50%)			
Minimum C&G slope on streets 0.50%			
Need1/4 points and high points for coves and bubbles			
Roadway Typical Section			
Show Pedestrian easement			
Red on Red diamonds for dead ends or lane endings			
Watch for roadway drop offs			
0.1' drop across drainage manholes Flowlines			
Add note "All sidewalk drive/street crossings shall meet current ADA and Town Regulations"			
Typical Section:			
Dimensions			
Base Material and Thickness			
Sidewalk			

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Street Name:			
		PLAN AND PROFILE: Page 2/3	
REVIEWED DATE:			
Curb & Gutter extended base 6”			
Proposed Grade Line			
Pavement Cross Slope			
Sidewalk and Grass Cross Slope			
Horizontal Geometry:			
Intersection Equations			
Intersection Angles			
Centerline Stationing			
Centerline Curve Data			
P.C. Sta. & P.T. Sta.			
Curb Radius			
E.R. Sta. & Elev.			
Slope & Direction around E.R.			
T.C. Elev. & Sta. When Tying to Ex. Curb			
R.O.W. Widths on all Streets			
Curb to Curb Widths on All Streets			
Handicap Ramps at all Intersections			
Benchmark			
Contractor is to field verify grade to drain max. 2% algebraic grade difference at existing edge of pavement.			
Street, Names, Width (R.O.W.) Radius			
Hold Harmless On Private Streets (If Applicable)			
Clear Sight			
Profile:			
PGL			
Grades 1% Cul-de-Sac, 0.5% w/inlet			
P.V.I. Sta. & Elev.			
P.V.C. & P.V.T. Sta. & Elev.			
Length of Vertical Curve			
K Value			
P.G.L. Elevation at 25 ft Stations			
3 Point Profile (LT. C.L. RT.)			
Structures Table:			
Type of Structure			
Drainage Area to Inlet			
Total Design Flow to Structure (Q-25) (Including any previous By-Pass)			

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Street Name:			
		PLAN AND PROFILE: Page 3/3	
REVIEWED DATE:			
Intercepted Flow			
By-Pass Flow			
Structure Top Elevation			
F.L. of Throat, No. Open, etc for 3X3 (F.L. In / F.L. Out)			
Inlet Station and Offset			
Pipe Table:			
Pipe Size (in.)			
Pipe Length (Ft.)			
Slope (%)			
Design Flow (Q-25)			
Pipe Capacity (Qc)			
Gross Drainage Area Tributary to Pipe (Ac.)			
Pipe Velocity (F.P.S.)			
Sanitary Sewer:			
Manhole Size (if not 4 ft.)			
SMH Sta. & Offset (Both Plan & Profile)			
Pipe Length (Profile Only)			
Offset Street Profile Stationed from downstream			
Extended to Upstream Property or Phase Line with MH & Stub			
Ductile iron as required (Profile Only)			
Drop Construction as required (Profile Only)			
All data on sheets matches Sewer Plan			
All private sewer clearly marked			

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Sheet Number:			
		OUTFALL AND PROFILE: Page1/3	
REVIEWED DATE:			
Title Block Data:			
Standard Title Block			
Standard Sheet size (24x36)			
Project Name with Phase or Section Designator			
Scale			
Outfall Name			
Sheet number			
Development Location (nearest street intersection)			
General:			
BM or TBM Description and Elevation			
100-YR Flood Note if in Floodplain and show Graphically with BFE's			
North Arrow			
Graphic Scale			
Property line and interior lot lines			
Street Names			
Adjoining Development/Property Owner Name			
Permanent Easement width (usually 20' but varies with condition)			
Temporary Construction Easement (usually 20' but varies)			
Existing Sewer Data for tie-in points			
Private sewer clearly marked			
Upstream Service Provided (Show Qc,Qd, Area)			
Flow Direction Arrows			
Clearance CL to Face Curb (5ft min.)			
Off-street Sewer Angles			
New MH ties to existing MHs			
Utilities affecting installation (gas lines, etc.)			
Key Map (unless 1 or 2 plats)			
CIP number if Town participation			
Property Lines and interior lot lines			
Street Names			
Adjoining Development/ Property Owners Names with instrument number (supply copies)			
Bearing or Angles and Distances on easement center line or perimeter(be consistent on all plats if possible)			
Property lines and Cross Street Ties			
Widths of all Existing, Proposed or Temporary Easements & R.O.W.			

DEVELOPMENT DEPARTMENT
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Sheet Number:			
		OUTFALL AND PROFILE: Page2/3	
REVIEWED DATE:			
Point of Beginning shown			
Point of Commencement (if any) shown			
Adjacent Plat Number			
Area of Permanent and Temporary showing encumbered area (if any) to nearest whole foot			
Legal Description			
Sanitary Sewer:			
Manhole size (if not 4 ft diameter.)			
Flowline Elevations with pipe size & direction			
Manhole Top Elevation			
Drop Construction required if drop >2ft			
Maximum of 3 house connections into a MH			
0.1 ft drop across manholes			
Manhole Rim Elevations			
1' above 100-yr flood elevation			
1.5' above grade in open areas			
0.5' above grade in back yard			
Sealed lids and vent stacks required if rim not above 100-yr floods			
Spacing (8"-21"=400' max)			
Pipe Size (both plan and profile)			
Pipe Length (profile only)			
Pipe Slope (profile only)			
Station line from existing tie-in to upstream			
Drop Construction required if drop >2ft			
Ductile iron as required (plan and profile)			
All data on sheet matches Sewer Plan			
All private sewer clearly marked			
Ridgelines not to be crossed			
Offset from ditches and stream			
Standard Ingress/Egress Note			
Standard Sewer Note			
Special Pipe notes where needed			
Qc, Qd and Area shown on all downstream tie-ins			
Details and Sections as needed			
Railroad Milepost Tie			
TVA or MLGW Tie			

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Sheet Number:			
			OUTFALL AND PROFILE: Page 3/3
Pipeline Tie			
Easement Plat number references			

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TREE PROTECTION: Page 1/1			
REVIEWED DATE:			
Legend			
Vicinity Map			
Tree Protection Barriers (Fence)			
Tree Removed			
Tree Undisturbed			

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PROJECT CHECK LIST: Page 1/1			
REVIEWED DATE:			
Gradient of Streets			
Alignment of Streets			
Gradient of Yards			
Finish Floor Elevation of Lowest Floor			
Floodplain			
Proximity to Ditch Bank			
Sight Distance , Vertical Curves and Intersection			
Length of Cul-de-sac (600' max)			
Structures Over Easement			
Work Confined to Property			
Culverts To Q25, (min 15")			
Pipe System-Q25			
Detention to 25 yr. W/2, 10, 25 Controls			
Check 100-yr			
Free Board-1'			
Emergency Spillway			
Fire Hydrant at 500 or 400			
Sewer System			
Water System			
Erosion Control Plan (SWPPP)			
Typical road Section			
base pavement thickness			
under drains			
base under curb & gutter			
Work Schedule Limitations			
Electronic Copies Plat, Signals, Utilities, Drawings			
Traffic Control			
As Built			
Trade Specs: 95% Mod Proctor			
Extended Base Below Curb and Gutter			
Striping of Traffic Control Plan			
Tree Plan			

DEVELOPMENT DEPARTMENT
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Appendix:

A. On Erosion Control Sheet

TENNESSEE N.P.D.E.S. PERMIT
FOR
STORM WATER DISCHARGE

EFFECTIVE DATE _____

TRACKING NO. _____

B. Signature Sheet of Plat (Horizontal)

1. Owner with Notary
2. Mortgagee W/Notary
3. Off-site Easements W/Signature & Notary
4. Surveyor
5. Engineer Design STDS
6. Engineer Adequacy of Storm Drainage
7. Board of Mayor and Aldermen
8. Planning Commission

Standard Plat Title Block

DEVELOPMENT DEPARTMENT
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C. Signature Sheet of Plat (Vertical)

1. Owner with Notary
2. Mortgagee W/Notary
3. Off-site Easements W/Signature & Notary
4. Surveyor
5. Engineer Design STDS
6. Engineer Adequacy of Storm Drainage
7. Board of Mayor and Aldermen
8. Planning Commission

Standard Plat Title Block

DEVELOPMENT DEPARTMENT
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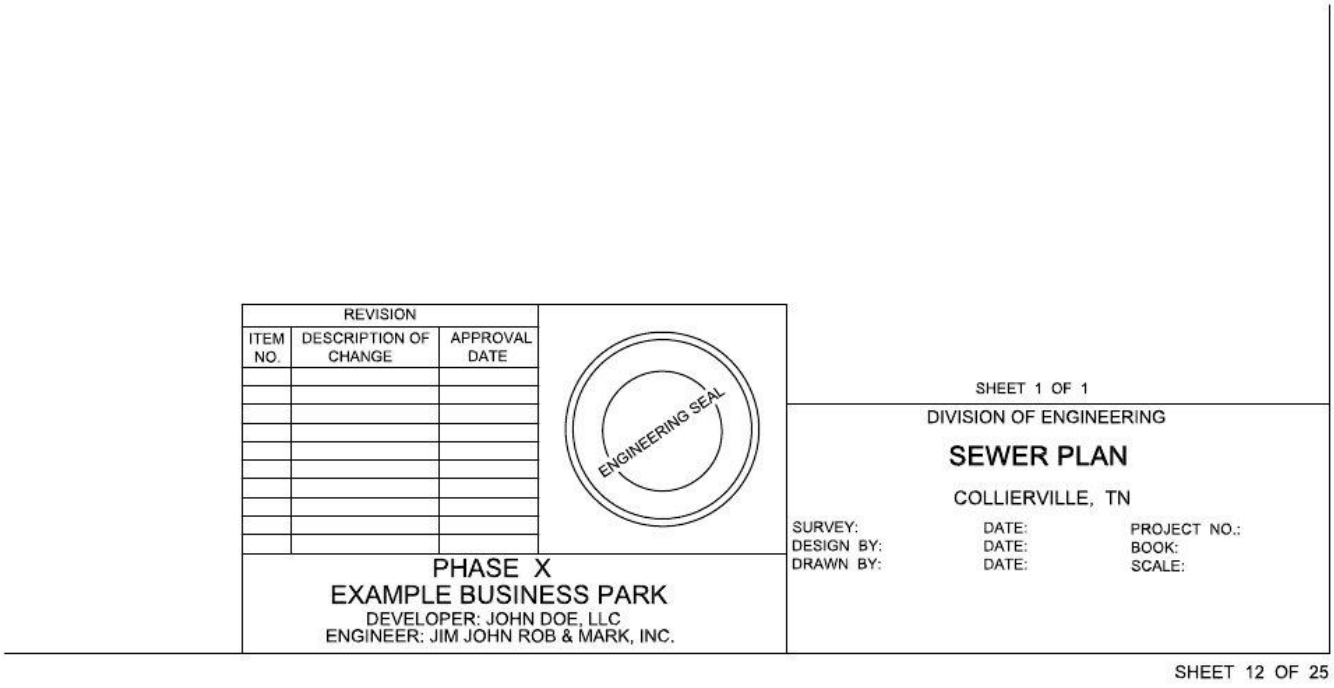
D. Title Block

TOWN OF COLLIERVILLE
STANDARD TITLE BLOCK
TOC-102



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E. General Notes

COLLIERVILLE GENERAL NOTES

1. The Contractor shall notify the Town of Collierville Engineering Office, 457-2340, before commencing construction.

2. The Contractor shall be responsible for notifying any utility company which maintains a utility line within the boundaries of the project before the initiation of any construction on the project or in the streets bordering the project. The Contractor shall also assume responsibility for any damage incurred by any utility company to their utility lines whether shown on the construction plans or not, during work on the project.

3. All newly cut and/or filled areas lacking adequate vegetation shall be seeded, fertilized, mulched and/or sodded as required to effectively prevent soil erosion per Town of Collierville and State regulations.

4. All construction within Public Easements and right-of-ways shall meet the Town of Collierville Standard Specifications. Construction within private developments (private streets, drives, alleys and associated infrastructure) shall be reviewed on a case-by-case basis.

5. The Contractor must have written approval from the Town Engineer and the Project Engineer before any change in design is made.

6. For information concerning the utilities of Memphis Light, Gas & Water, AT&T, Comcast and the Texas Gas Transmission Corporation, call 1-800-351-1111.

7. Seventy-two (72) hours before beginning any excavation, the Contractor shall call 1-800-351-1111 for the location of underground utilities.

8. The Contractor shall not enter upon nor cause damage to any adjacent properties without written permission from said property owners.

9. All fill lifts shall be compacted to a minimum density of 95% of the standard proctor density (ASTM D-698) with suitable fill material acceptable to testing laboratory. Maximum loose lift to be 6". Submit reports to Town Engineer for review and acceptance.

10. All concrete shall be 4,000 PSI, Class A limestone aggregate, air entrained, unless approved otherwise by the Town Engineer. RCBC & CCL mix will be determined by the Design Engineer.

11. Any existing utilities requiring relocation or removal shall be the developer's responsibility.

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F. Sewer Specifications Notes

SEWER SPECIFICATIONS

1. The Contractor shall be responsible for notifying any utility company which maintains a utility line within the boundaries of the project prior to the initiation of any construction on the project or in the streets bordering the project. The contractor shall also assume the responsibility for any damage incurred by any utility company, to their lines, whether shown on the construction plans or not, during work on the project.

2. All newly cut or fill areas lacking adequate vegetation shall be fertilized, mulched, seeded and/or sodded to effectively control soil erosion.

3. A six (6) inch service connection to each lot/building is shown. The contractor shall keep a record of the location of each connection. 1). For residential, at the property line chisel an "S" on the curb at the tap location and 2). For non-residential, measure from the nearest manhole or other acceptable mark. Each sewer manhole and connection will be located on the as-built drawings.

4. All public sanitary sewer shall be SDR-26; all other to be constructed in accordance with local building code.

5. For information concerning the utilities of Memphis Light, Gas and Water, AT&T, Comcast and the Texas Gas Transmission Corporation, call 1-800-351-1111.

6. Before construction begins, call the Collierville Engineering Office at 901.457.2340.

7. Seventy-two (72) hours before starting any excavation, the contractor shall call 1-800-351-1111.

8. All trenches are to be back-filled according to Section 02221 of the Town of Collierville Standard Construction Specifications.

9. All sewer lines are to have a mandrel pulled and air tested. All sewer manholes are to be vacuum tested.

10. All sewer manhole lids in open fields shall be constructed 3.0 feet above final grade unless they are in a floodplain/floodway or detention area, then the final grade will be determined on construction drawings. Those constructed in backyards and landscape/Common Open Space areas, shall be constructed 0.5 feet above final grade. When the clearance between sanitary sewers and drainage is less than 1.5 feet, the sanitary sewer shall be ductile iron pipe or concrete encased for 10 feet each side of the drainage crossing, this includes sanitary sewer services.

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G. Water Specifications Notes

WATER SPECIFICATIONS

1. A ¾" minimum copper service connection shall be provided for each lot.

2. Meter boxes shall be concrete from Goddard Concrete Services or plastic from DRW Plastics, Inc. model DFW36C-12-1-CA per section 02713 of the Town of Collierville Standard Construction Specifications. Meter boxes may be purchased from any vendor. Contractors are responsible for installation of boxes.

3. All materials and installation shall conform to the Standard Specifications of the Town of Collierville and the State of Tennessee.

4. Ductile iron pipe shall be Class 50 for 200 psi working pressure unless otherwise specified.

5. Blocking of fire hydrants tees and bends required as per Collierville specifications.

6. Contractors shall chisel and paint "W" on the face of the curb at each house connection.

7. Water lines, valves, fittings and hydrant shall be installed, disinfected, pressure tested and leakage tested in accordance with all state and local requirements.

8. All trenches to be back-filled according to Section 02221 of the Town of Collierville Standard Construction Specifications.

9. Fire hydrants to be M & H, Mueller Centurion or Clow according to Section 02713 of the Town of Collierville Standard Construction Specifications.

10. Valve boxes shall be as manufactured by Tyler Pipe 6850 Series.

11. Public fire hydrants to be silver in color.

12. Private fire hydrants to be red in color.

13. All ties to existing water lines must be made starting with a valve if no valve exists.

14. Any existing fire hydrants that do not meet current standards are to be up-graded by the Developer.

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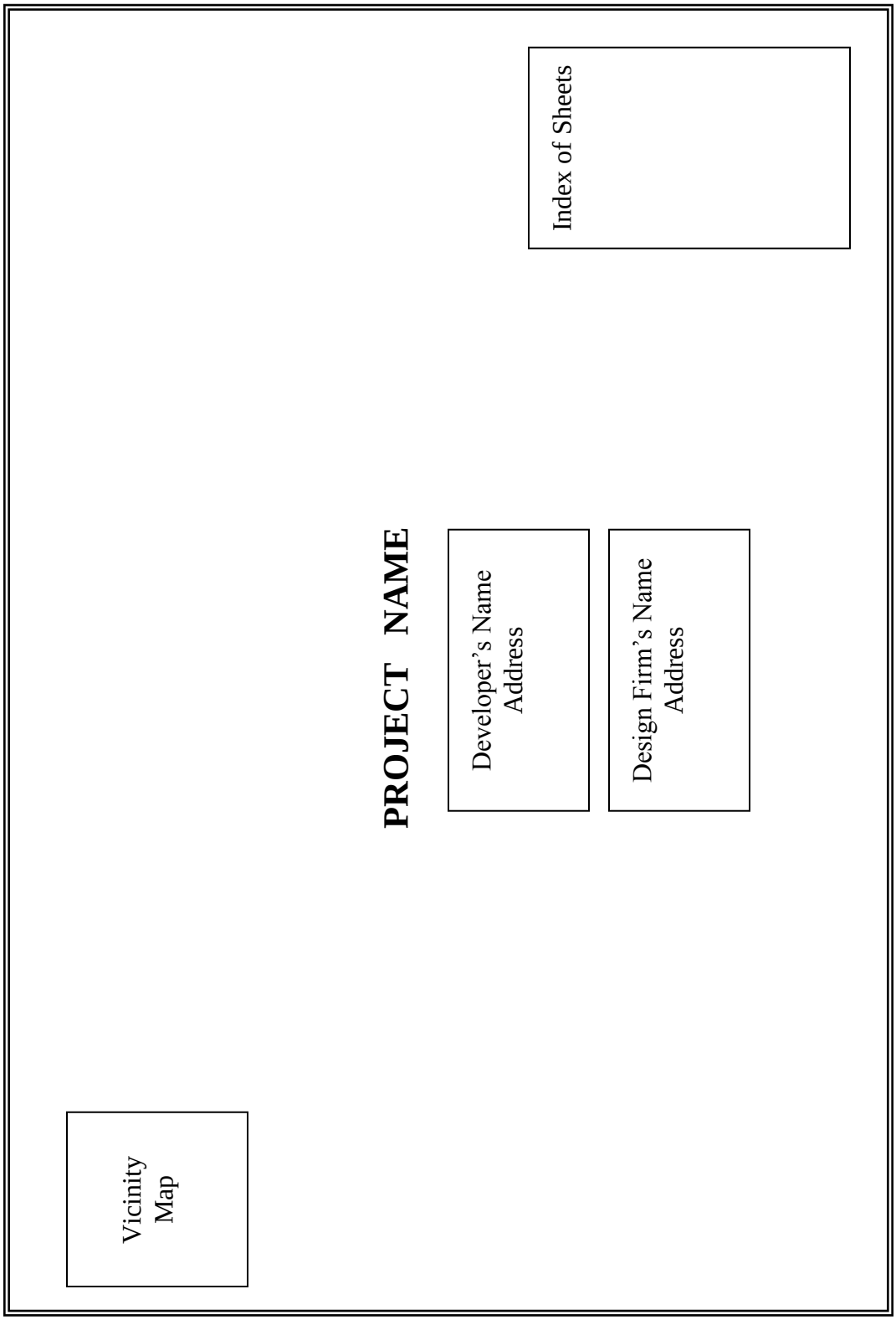
H. Cover Sheet



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I. Erosion Control Notes

EROSION CONTROL

1. Erosion controls are not limited to the specified practices; however, alternative measures must be as effective in controlling erosion and sedimentation.

2. If the erosion control measures selected and constructed fail to adequately control erosion and off-site sediment transport, alternative methods must be used and approved by the Division of Engineering and TDEC. Inadequately controlled erosion is a violation of Collierville Ordinances and Tennessee State Law and will not be permitted.

3. Any erosion control measures shown here on are intended as a minimum guide. The contractor shall be responsible for maintaining erosion controls necessary to comply with all applicable Town, State and Federal Laws.

4. Clearing and grubbing shall be the minimum necessary for grading and equipment operation.

5. Sequence construction shall be used in order to minimize exposure time of cleared area.

6. Avoid grading activities during months of highly erosive rainfall.

7. Stabilize cleared area before proceeding to clear another by temporarily or permanently protecting the disturbed soil surface from rainfall impacts and runoff.

8. Erosion and sediment control measures must be in place and functional prior to beginning earth moving operations.

9. All erosion control measures must be properly constructed and maintained throughout the construction period.

10. Erosion control measures must be appropriately adjusted, relocated and modified in accordance with applicable requirements and regulations to address changing site conditions as the project progresses.

11. Inspect all erosion and sediment control measures twice weekly, a minimum of 72 hours apart and after each rainfall per TDEC Construction General Permit requirements. Daily checking is required during prolonged rainfall. Maintain a rain gauge on site with a permanent rainfall log. Maintain a permanent log of checks and maintenance measures.

12. Keep construction debris from entering swales, ditches and stream channels.

13. Promptly backfill and stabilize trenches and/or pits.

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14. Designate a specific qualified individual to be responsible for erosion and sediment controls and to keep the permanent job log. The person responsible for maintaining the erosion control measures and log shall have the appropriate certification as required by TDEC. A copy of this certification shall be maintained at the job site.

15. Do not place excavation material from the pipe trenches between the trench and swales, ditches or streams. Place material on the up slope side of the excavation such that any erosion from it is caught by the trench.

16. Buffer zones shall be provided to meet the minimum requirements of the TDEC Construction General Permit.

17. Do not destroy, remove or disturb vegetative ground cover more than 14 calendar days prior to grading.

18. Do not unnecessarily remove canopy; however, when necessary, trees and shrubs should be cut so that they fall away from the ditch.

19. Any area that will remain unfinished for more than 14 calendar days shall have appropriate annual vegetation for temporary soil stabilization.

20. Apply permanent soil stabilization with perennial vegetation as soon as possible, but no more than 14 calendar days after final grading.

21. In accordance with the Town of Collierville MS4 Permit, all State/NPDES Permits are required to be obtained and implemented before start-up of any construction activities, including, but not limited to, land and/or aquatic disturbance.

22. Erosion control measures shall be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, then additional erosion and sediment control measures shall be implemented to control and/or treat the sediment source before land and/or aquatic disturbance may continue.

23. Install staked and entrenched mulch socks and/or silt fence along the base of all backfills and cuts on the downhill side of any stockpiled soil and along any ditch banks in cleared areas to prevent erosion into ditches. Place silt fence along contours, not across. Do not allow silt fence to cause concentrated flow.

24. Divert all surface water flowing toward the construction area around the construction area by the use of dikes, berms, channels or sediment traps as necessary.

25. If required, place cofferdams constructed with sandbags, plastic or non-erodible sheeting on either side of proposed line crossings and extend from bank to bank to prevent the flow of water into the construction area. Hold water from cofferdams or excavations in properly designated settling basins, dewatering pits or filter basins until it is at least as clear as upstream water before discharging into surface water. Ensure that discharge does not cause erosion and sedimentation.

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26. All erosion control measures shall meet the minimum requirements of all federal, state and local agencies.

27. Do not use ditches for the transport of equipment. Use a stabilized pad of clean and properly sized rock for access to road construction. Utilize erosion and sediment control measures as indicated on the plans and in the current edition of the Tennessee Erosion and Sediment Control Handbook where ditch banks are disturbed.

28. Protect inlets during construction. Keep sediment out of the storm drainage system. Modify protection as construction progresses. Inspect and modify inlet protections as necessary to insure satisfactory trapping of sediment.

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CIVIL PACKAGE INDEX FOR RESIDENTIAL

Cover Sheet (Collierville format)

Final Plat with conditions of approval, signature sheet

General Notes (separate into Public & Private)

Existing Conditions

Grading & Drainage Plan

Erosion Control Plan with TDEC Approval Block

Tree Protection / Removal Plan

Tree Mitigation Plan (if required)

Sanitary Sewer Plan with TDEC Approval Block (if required)

Water Plan with TDEC Approval Block (if required)

Combination Utility Plan (drainage, sewer, water)

Road Plan and Profile Sheets

Off-street Plan and Profiles (sewer and drainage)

Road Cross-Sections (if required)

Striping and Signage Plan

Traffic Control Plan (if required)

Civil Details (separate into public and private)

Landscape Plans

Landscape Details

All sheets are to be numbered consecutively (1 of 30, 2 of 30, 3 of 30, etc)