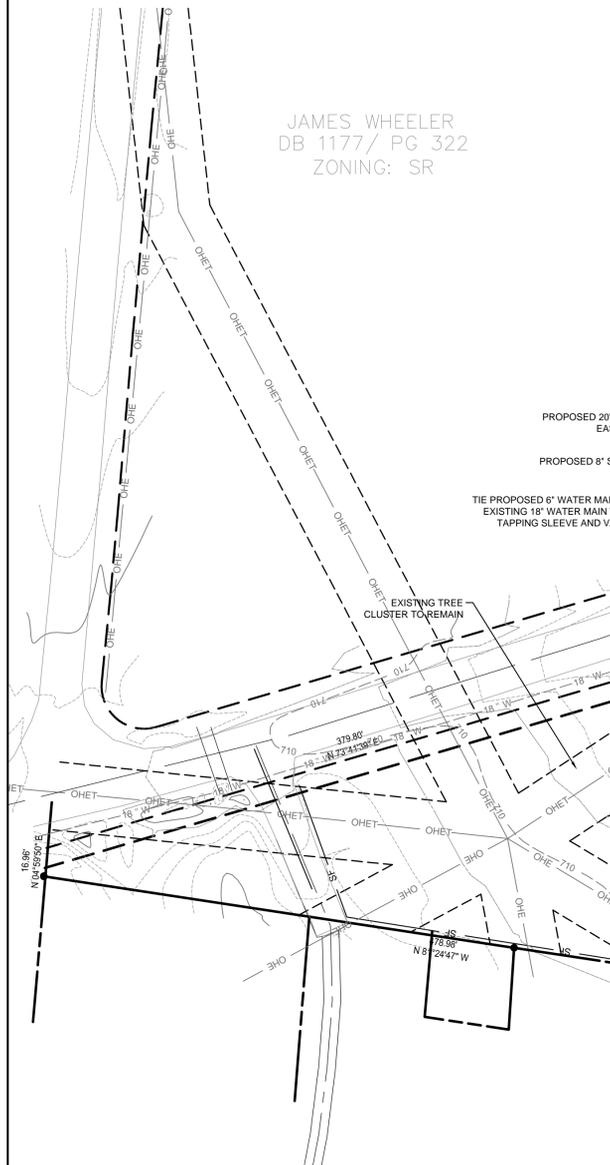


TYPICAL PAVEMENT SECTION (LIGHT DUTY)
NOT TO SCALE

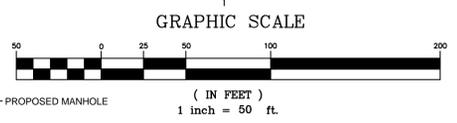


- SPECIAL NOTES**
- NO BLUE LINES TIE IN TO THE EXISTING POND.
 - THE FIRST 1" OF STORM WATER IS BEING TREATED WITHIN THE PROPOSED DETENTION POND BY ALLOWING 15,231 CUFT OF STORM WATER TO STAGE TO AN ELEVATION OF 688' PRIOR TO RELEASING THROUGH THE WEIR.
 - AN AUTOMATIC FIRE SPRINKLER SYSTEM MUST BE INSTALLED IN EACH RESIDENCE. THE FIRE SPRINKLER SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13D, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN ONE- AND TWO- FAMILY DWELLINGS AND MANUFACTURED HOMES.

DRAINAGE SUMMARY

Storm Event (Yr)	Rainfall (In/Hr)	Post Developed Flow (CFS)	Pre-Developed Flow (CFS)	Basin Elev. Pond	Routed Flow (CFS)	Bypass Flow (CFS)	Total Runoff (CFS)
2	4.75	16.73	20.37	688.45	0.34	7.52	7.66
5	6.25	25.95	30.82	688.76	7.54	11.61	13.15
10	6.97	32.15	37.79	688.96	16.78	14.36	28.11
25	8	40.12	46.7	689.27	20.08	17.89	37
50	8.9	46.05	53.32	689.51	24.66	20.52	42.34
100	9.72	51.9	59.83	689.67	29.96	23.11	50.29

MICHAEL JOHNSON
DB 1610 / PG 137



PROPERTY OWNER
GREAT TENNESSEE LAND CO., LLC
642 HAMPSTEAD LANE
ANN HARBOR, MI 48103
DEED: 6194
PAGE: 203



SITE DATA
RESIDENTIAL DEVELOPMENT

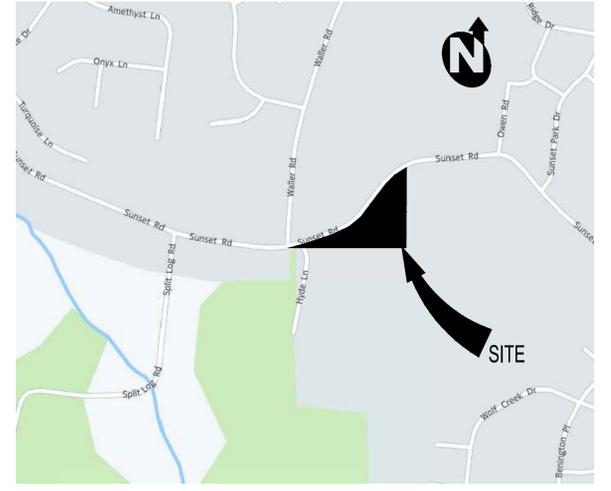
TOTAL ACREAGE	6.993 AC +/-
ZONING	SR
MIN. LOT SIZE	0.488 ACRE
NUMBER OF LOTS	6
BUILDING SETBACKS	
FRONT (ARTERIAL)	75'
FRONT (LOCAL)	40'
REAR	20'
SIDE	15'
RIGHT-OF-WAY (ROW) DEDICATION	
SUNSET ROAD	11' (RESERVATION)
GILCHRIST ACCESS	30'
GILCHRIST ACCESS	650 LF

LOT DATA

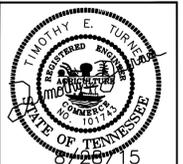
LOT NUMBER	AREA (SF)	AREA (AC)
1	43,615	1.001
2	21,972	0.500
3	32,481	0.745
4	23,217	0.532
5	21,492	0.493
6	52,193	1.198
OPEN SPACE	54,383	1.248
ROW SUNSET	31,141	0.715
ROW ACCESS	13,640	0.313

CURVE DATA

CURVE NO.	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	39.08	25.00	89.3859°	S 67°16'02" E	35.22
C2	188.82	95.00	89.2603°	S 52°11'15" E	84.43
C3	49.67	95.00	29.5734°	N 82°55'56" E	49.11
C4	31.15	132.50	13.2807°	N 61°13'06" E	31.08
C5	4.13	132.50	11.4706°	N 53°35'29" E	4.13
C6	4.46	132.50	11.5550°	N 51°44'01" E	4.46
C7	24.51	132.50	10.3548°	N 45°28'12" E	24.47
C8	41.82	77.50	30.5505°	N 24°42'46" E	41.31
C9	85.15	77.50	62.5700°	N 22°13'17" E	80.93
C10	39.27	25.00	90°00'00"	N 08°41'47" W	35.36
C11	37.58	25.00	86°07'55"	N 8°14'16" E	34.14
C12	69.63	42.50	93.5505°	S 08°45'45" E	62.10
C13	121.32	97.50	12.3139°	S 46°28'07" W	121.28
C14	25.96	97.50	15.1513°	S 60°19'32" W	25.88
C15	93.79	60.00	89.3338°	N 67°16'02" E	84.53
C16	39.46	25.00	90°26'22"	N 22°43'56" E	35.49



- SPECIAL NOTES**
- ALL DRIVES TO BE PRIVATE.
 - PRIVATE DRIVE TO CONNECT TO EXISTING SUNSET ROAD.



T-SQUARE ENGINEERING
7101 SHARDALE COURT • BRENTWOOD, TN • 615-678-8212 • WWW.T2-ENG.COM



REVISIONS

NO.	DATE	FOR APPROVAL AGENCY REVIEW	REVISED PER TDC COMMENTS
1	11-12-2014		
2	02-04-15		
3	05-05-15		
4	08-25-15		
5	09-28-15		

DATE: 08-25-2015
SCALE: 1" = 50'
DRAWN BY: TSQUARE ENGINEERING
CHECKED BY: TET

GILCHRIST SUBDIVISION SOUTH
PRELIMINARY PLAN
SUNSET ROAD
MAP 56 AND PARCEL 74.02
NOLANSVILLE, TENNESSEE

JOB NUMBER
14-1015
SHEET NUMBER
C-1.0