

CONSTRUCTION DOCUMENTS RUTHERFORD CO., TENNESSEE SMYRNA VILLAGE

BREWER MARY ELIZABETH (DOLLY) PROPERTY
AS RECORDED IN DEED BOOK 456, PAGE 578
REGISTER'S OFFICE OF RUTHERFORD COUNTY, TENNESSEE
TAX MAP 034, PARCEL 005.00
2ND CIVIL DISTRICT OF RUTHERFORD COUNTY, TENNESSEE
AREA = 671,702.8 SQUARE FEET OR 15.42 ACRES, MORE OR LESS
ZONE:"C-2" DATE: 4-05-2017

FEDERAL COMPLIANCE NOTE:
ALL DEVELOPMENT WITHIN THE BOUNDARIES OF THIS PLAN MEETS THE
REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND THE FAIR
HOUSING ACT ADA: <https://www.ada.gov/>
U.S. JUSTICE DEPT: <https://www.usdoj.gov/crt/ada/housing/act-2>



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WATER/SEWER/NATURAL GAS/ELECTRIC
TOWN OF SMYRNA
SMYRNA UTILITIES
MARK PARKER
mark.parker@townofsmyrna.com
315 SOUTH LOWRY STREET
SMYRNA, TN 37217



NOT TO SCALE



INDEX OF SHEETS:

TITLE
PAGE 1 OF 1 BOUNDARY & TOPOGRAPHIC SURVEY
A 1.00 ARCHITECT RENDERINGS TYPE A, B, & CLUBHOUSE
C 1.00 SITE LAYOUT & SURFACE MATERIALS PLAN
C 2.00 GRADING & DRAINAGE PLAN
C 2.01 WATER QUANTITY/QUALITY AREAS
C 2.02 STORM INLET AREAS
C 3.00 PROPOSED & EXISTING UTILITY PLAN
C 4.00 SEWER PLAN & PROFILE VIEW
C 4.01 SEWER PLAN & PROFILE VIEW
C 4.02 SEWER PLAN & PROFILE VIEW
C 5.00 EROSION CONTROL PLAN
C 6.00 ROAD A PLAN & PROFILE
C 6.01 ROAD B PLAN & PROFILE
C 7.00 STANDARD NOTES
C 8.00 SITE STANDARD DETAILS
C 8.01 EROSION CONTROL STANDARD DETAILS
C 8.02 WATER STANDARD DETAILS
C 8.03 PUBLIC WORKS STANDARD DETAILS
C 8.04 DET & WATER QTY POND STANDARD DETAILS
L 1.1 LANDSCAPE PLAN
L 1.2 LANDSCAPE PLAN

OWNER
KAWANA HOPES II COMPANY
800 ALBEMARLE LANE
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DAVID HEFLEY ARCHITECT
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ENGINEER
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SMYRNA VILLAGE

TITLE SHEET

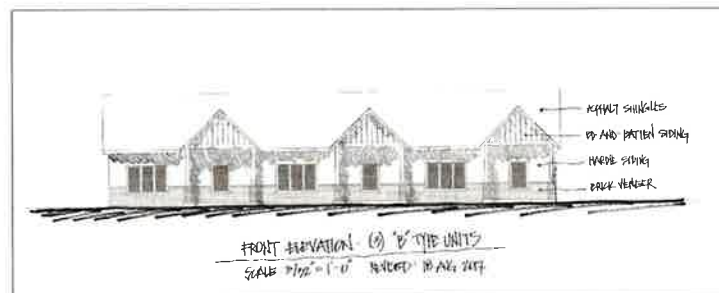
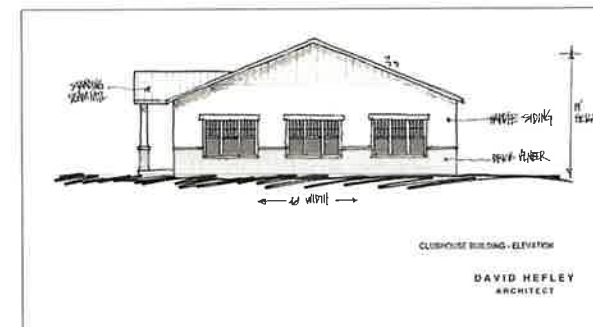
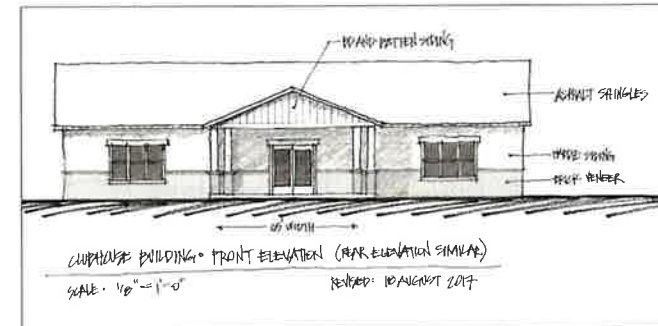
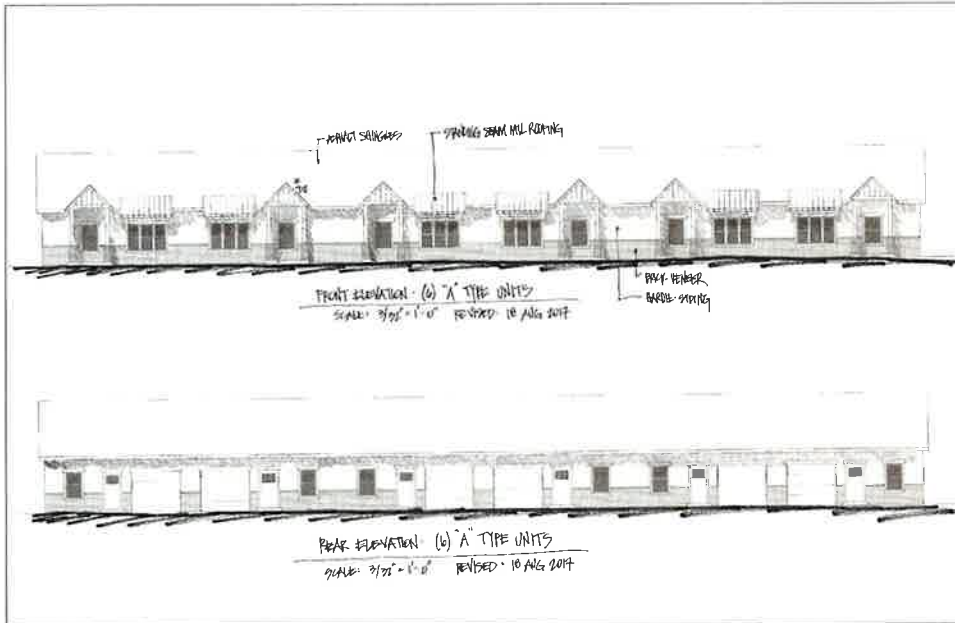
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

REVISIONS

REV 1 1-22-19
REV 2 1-25-19
REV 3 4-3-20
REV 4 08-18-22

DESIGNED BY: JP
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TITLE



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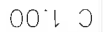
SMYRNA VILLAGE
ARCHITECT DRAWINGS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

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REV 1 1-22-19
REV 2 1-29-19
REV 3 6-3-20
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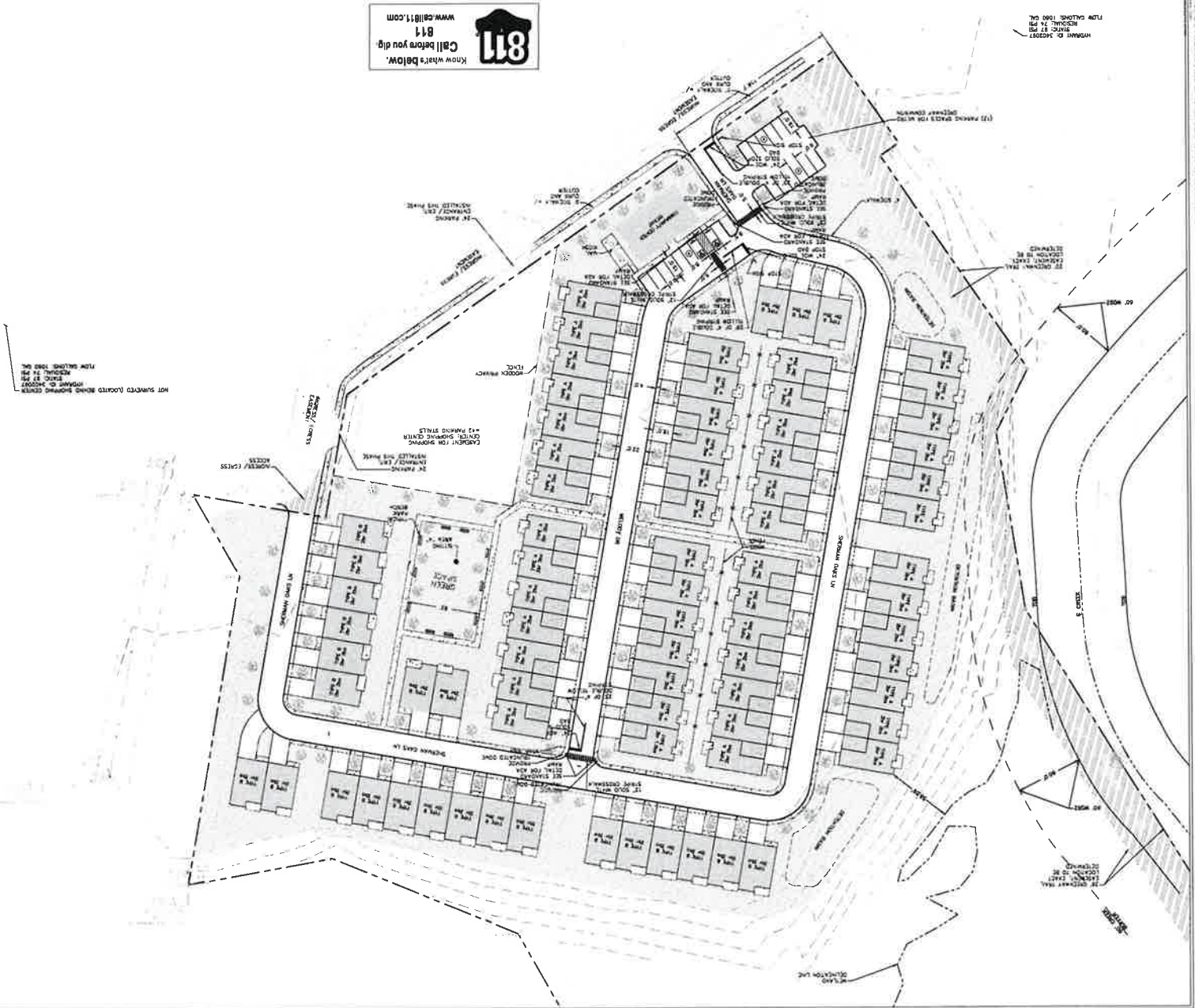
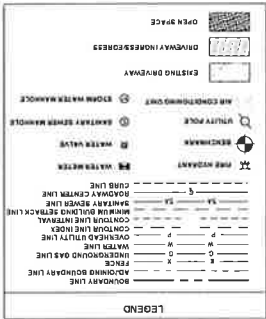
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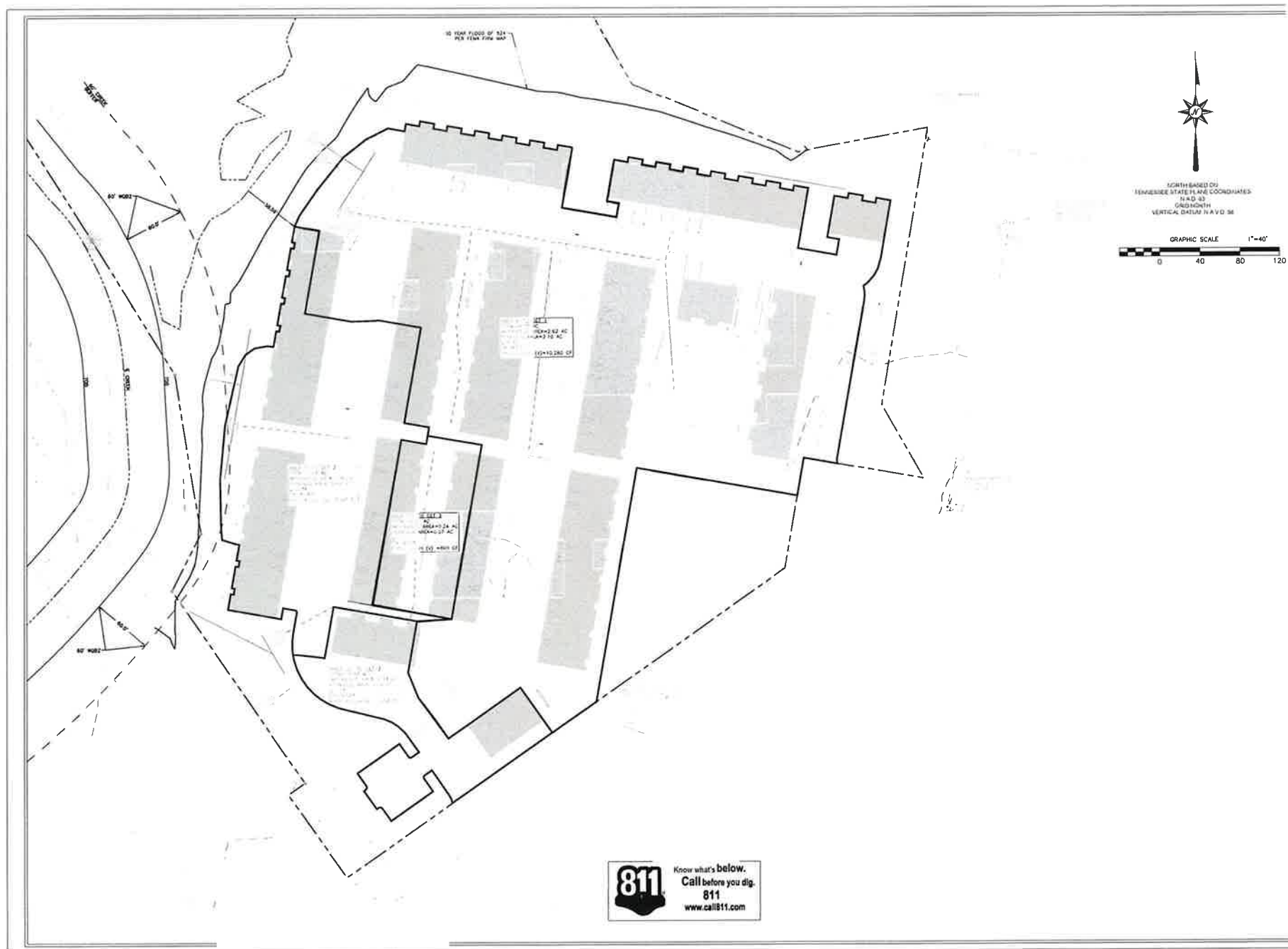
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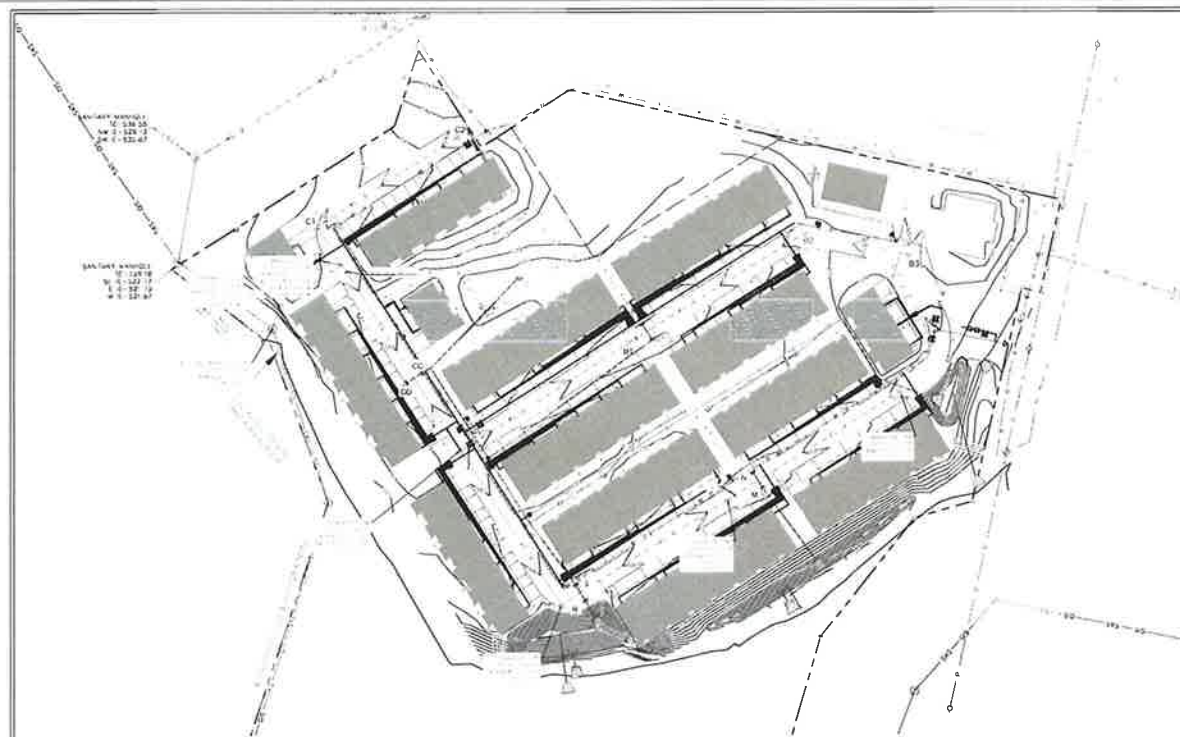
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SMYRNA VILLAGE
STORM QUANTITY/QUALITY AREAS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

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REV 4	10-18-22
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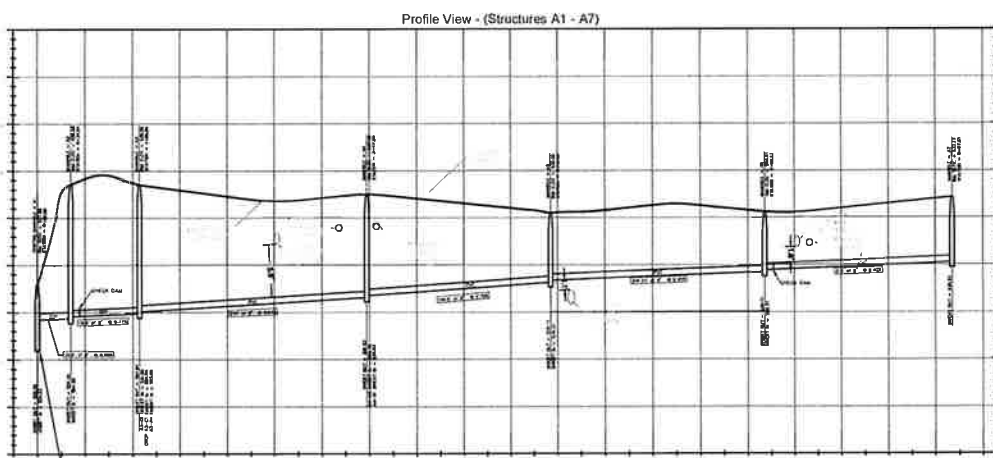
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LEGEND

—	BOUNDARY LINE	—	PROPOSED CATCH BASIN
—	PROPERTY LINE	—	PROPOSED AREA INLET
—	EXISTING FENCE	—	GAS VALVE
—	EXISTING GAS LINE	—	WATER VALVE
—	EXISTING OVERHEAD POWER LINE	—	FIRE HYDRANT
—	EXISTING SANITARY SEWER	—	SANITARY SEWER MANHOLE
—	EXISTING STORM SEWER	—	SANITARY SEWER CLEANOUT
—	EXISTING WATER LINE	—	TELEPHONE MANHOLE
—	PROPOSED CURB AND GUTTER	—	GAS METER
—	PROPOSED CURB	—	WATER METER
—	PROPOSED GAS LINE	—	POWER POLE
—	PROPOSED WATER LINE	—	OUTWIRE
—	PROPOSED SANITARY SEWER	—	STREET SIGN
—	STEAM PIPING	—	BENCHMARK
—	PROPOSED CATCH BASIN	—	BUILDING

- GENERAL NOTE:**
- ALL UTILITY LOCATIONS ARE APPROXIMATE AND ARE DEPICTED BASED ON LOCATION OF UTILITIES BY LOCAL UTILITY AUTHORITIES. VISUAL APPEARANCES, OR MAPS PREPARED BY OTHERS. THESE LOCATIONS ARE NO GUARANTEE THAT THERE ARE NO OTHER UTILITIES EITHER PUBLIC OR PRIVATE THAT ARE NOT KNOWN ON THIS SURVEY. ALL UTILITIES SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION BEGINS.
 - CONTRACTORS SHALL VERIFY LOCATION, DEPTH, AND SIZE OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR MAKING THE NECESSARY ARRANGEMENTS WITH THE GOVERNING UTILITY COMPANY FOR UTILITIES REQUIRING RELOCATION.
 - SERVICE LOCATIONS UNKNOWN AT THIS TIME.



CONTRACTORS SHALL VERIFY LOCATION, DEPTH, AND SIZE OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR MAKING THE NECESSARY ARRANGEMENTS WITH THE GOVERNING UTILITY COMPANY FOR UTILITIES REQUIRING RELOCATION.

Smyrna Village Sewer Analysis																														
 City of Smyrna Engineering																														
Project Name: Smyrna Village Sewer Analysis Project No: 2023-001 Revision: 1.0																														
Station From To Length Flow Velocity Force Head Power Torque Moment Stress Deflection Settlement Cracking Corrosion Wear Erosion Slotting Blockage Obstruction Interference Collapse Failure																														
1+00	1+25	1+25	12"	25'	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1+25	1+50	1+50	12"	25'	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1+50	1+75	1+75	12"	25'	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1+75	2+00	2+00	12"	25'	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: All data is based on the latest available information and is subject to change without notice. All dimensions are in feet unless otherwise specified. All calculations are based on the latest available information and are subject to change without notice.

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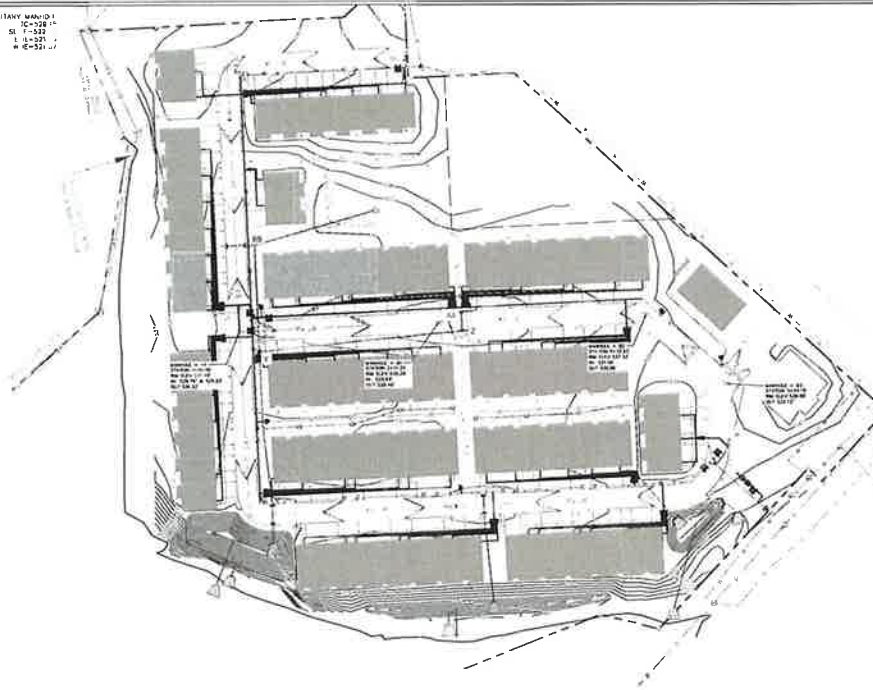
SMYRNA VILLAGE
SEWER PLAN & PROFILE VIEW
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
January 5, 2023

REVISIONS
REV 1 1-22-19
REV 2 1-22-19
REV 3 4-3-20
REV 4 08-18-22

DESIGNED BY: JP
DRAWN BY: HLW
CHECKED BY: HRS

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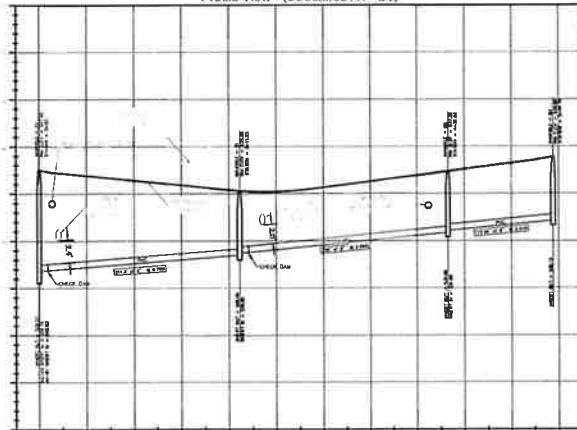
SANITARY MANHOLE 1
10'-122"
51'-132"
10'-122"
10'-122"



NORTH BASED ON
TENNESSEE STATE PLANE COORDINATES
NAD 83
GRID NORTH
VERTICAL DATUM N.A.V.D. 88



Profile View - (Structures A4 - B3)



LEGEND

BOUNDARY LINE	PROPOSED CATCH BASIN
PROPERTY LINE	PROPOSED AREA INLET
EXISTING FENCE	PROPOSED CURB
EXISTING GAS LINE	PROPOSED GAS LINE
EXISTING OVERHEAD POWER LINE	PROPOSED WATER LINE
EXISTING SANITARY SEWER	PROPOSED SANITARY SEWER
EXISTING STORM SEWER	STORM PIPING
EXISTING WATER LINE	PROPOSED CATCH BASIN
PROPOSED CURB AND GUTTER	PROPOSED AREA INLET
PROPOSED CURB	GAS VALVE
PROPOSED GAS LINE	WATER VALVE
PROPOSED WATER LINE	FIRE HYDRANT
PROPOSED SANITARY SEWER	SANITARY SEWER MANHOLE
STORM PIPING	SANITARY SEWER CLEANOUT
PROPOSED CATCH BASIN	TELEPHONE MANHOLE
PROPOSED AREA INLET	GAS METER
GAS VALVE	WATER METER
WATER VALVE	POWER POLE
FIRE HYDRANT	GUY WIRE
SANITARY SEWER MANHOLE	STREET SIGN
SANITARY SEWER CLEANOUT	BENCHMARK
TELEPHONE MANHOLE	BUILDING

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SEWER PLAN & PROFILE VIEW
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
January 5, 2023

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EROSION CONTROL PLAN
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

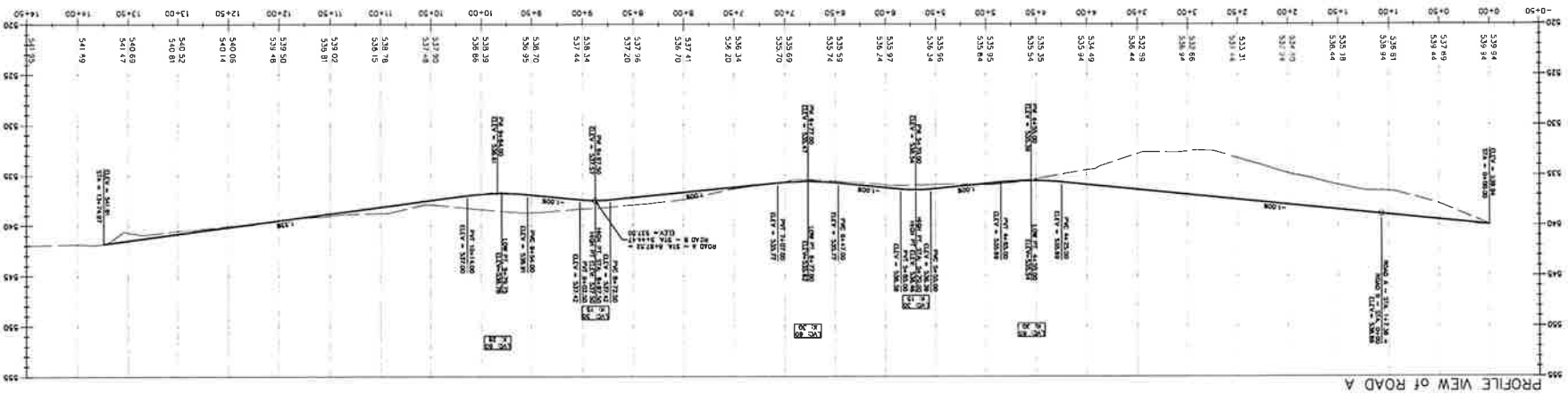


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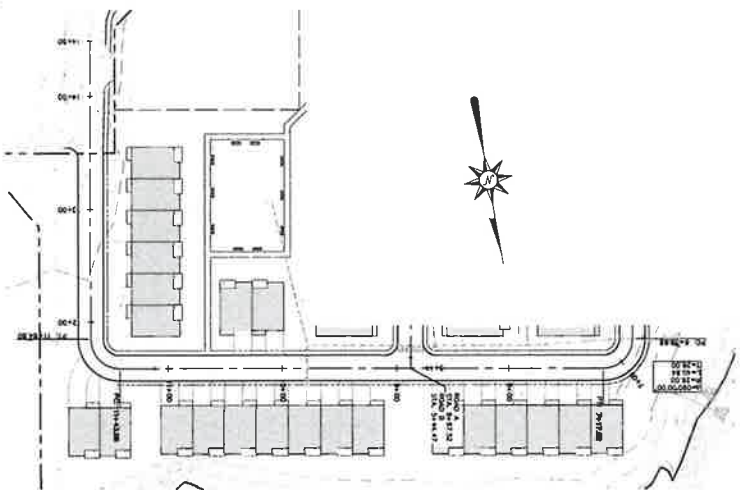
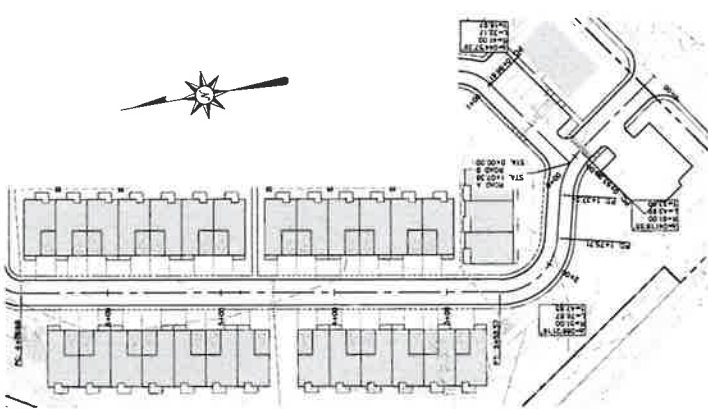
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ROAD A
STA. 00+00 - 13+75



C 6.00

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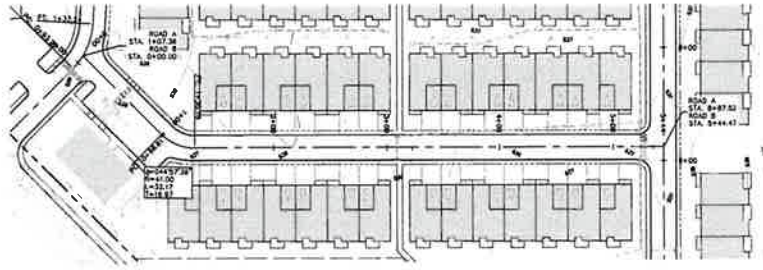
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REV 2: 4.3.20
REV 3: 1.29.19
REV 4: 08.18.22

REVISIONS

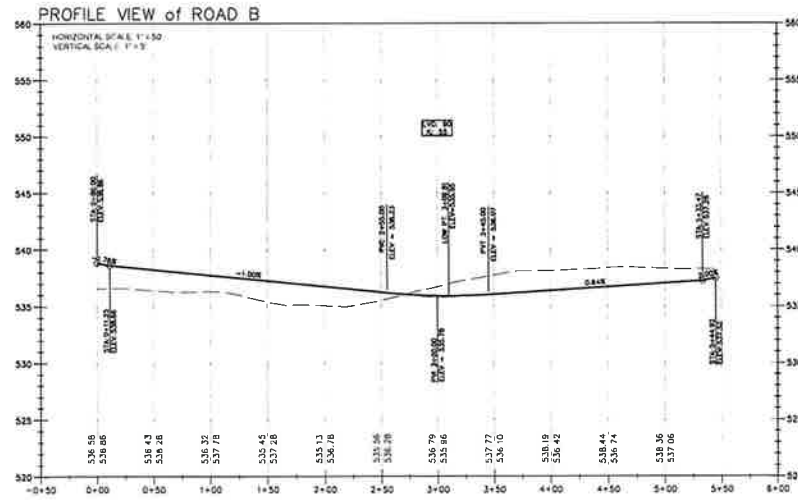
SMYRNA VILLAGE
ROAD A PLAN & PROFILE
SOUTH LOWRY STREET, SMYRNA
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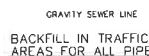
ROAD B
STA. 00+00 - 5+44



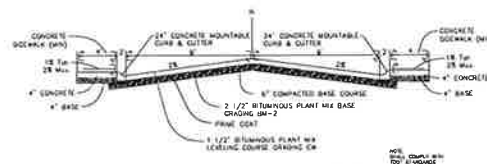
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C 6.01

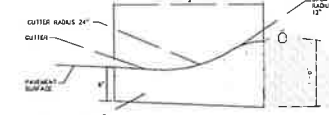


NOTES
1 UNTIL REPAVING IS COMPLETED USE A
DENSE GRADED STONE FOR THE TOP 6"
FOR TEMPORARY SURFACE
2 CRUSHED STONE SURFACE EQUAL TO



TYPICAL ROADWAY CROSS SECTION
CLARKSVILLE NO SCALE

NOTE
FOR PAYMENT INFORMATION
SEE PAYING DETAIL



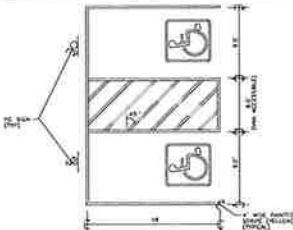
CLASS A CONCRETE NOTES

3000 psi

1. EXPANSION JOINTS TO BE SPACED A MAXIMUM OF 100' APART
2. EXPANSION JOINTS WILL ALSO BE REQUIRED AT TANGENT POINTS, JOINTWAY LOCATIONS, AND WALETS
3. CONSTRUCTION JOINTS ARE TO BE CUT INTO CURBS AND GUTS EVERY 10' TO A DEPTH OF 0/4
4. FOR PRECAST THICKNESS SEE FRAME DETAIL

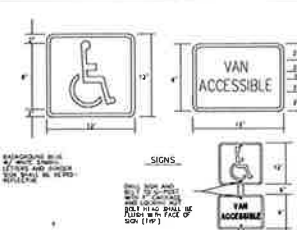
MOUNTABLE CURB
WITH GUTTER

NO SC



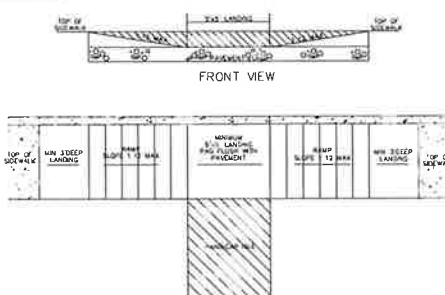
ADA "UNIVERSAL PARKING SPACES"

NOTE: TWO ADJACENT RESERVED SPACES
MAY SHARE A COMMON ACCESS NAME



ADA PARKING SIGN

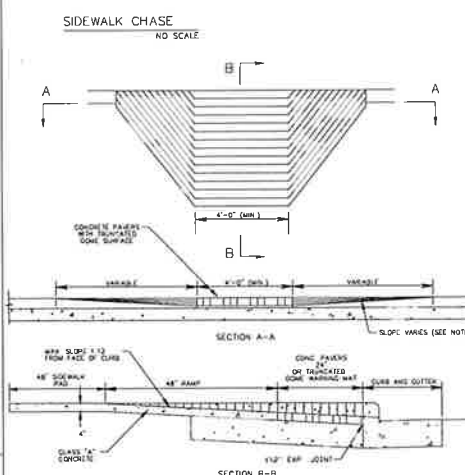
NO SCALE



ADA RAMP FOR SIDEWALK

NO SCA

*ADA RAMP TO BE CONSTRUCTED WITH TRUNCATED DOME
PAVERS OR OTHER APPROVED BY ADA REGULATIONS



STANDARD HANDICAP RAIN

NO SCALE

NOTES

- 1 SIDE FLARE SLOPES OF CURB RAMPS SHALL BE 1:12 (PREFERRED) AND SHALL NEVER EXCEED 3:10
- 2 SURFACE TEXTURE OF RAMPS SHALL BE OBTAINED BY A COARSE GRINDING TRANVERSELY TO THE SLOPE OF THE RAMPS
- 3 IF THE DISTANCE FROM THE BACK OF THE RAMPS TO THE BACK OF THE CURB IS LESS THAN 48" THEN THE RAMPS SHALL HAVE A 1:12 SLOPE



parental status

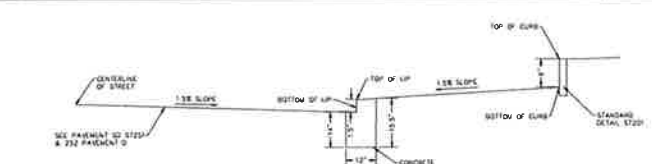
ASPHALT CONCRETE SURFACE	1200	4%
Wearing Surface	48	6%
Asphalt	25	1%
Gravel	100	80.31 Grad E

ASPHALT CONCRETE BASE	
Marshall stability	1000 lbs.
Asphalt	3% to 7%
Moist. Total Mix	3% to 7%

PAVEMENT SECTION
LIGHT DUTY

NO SCALE

PER INDUSTRY STANDARD
NO GEOTECHNICAL REPORT



PARALLEL PARKING LIP SECTION A-A

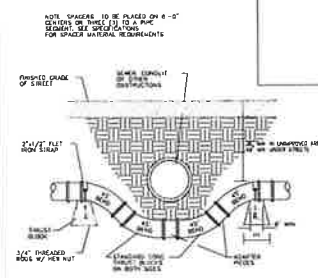
10



ON-SITE CONCRETE PAVEMENT SIDEWALK
(LIGHT DUTY)

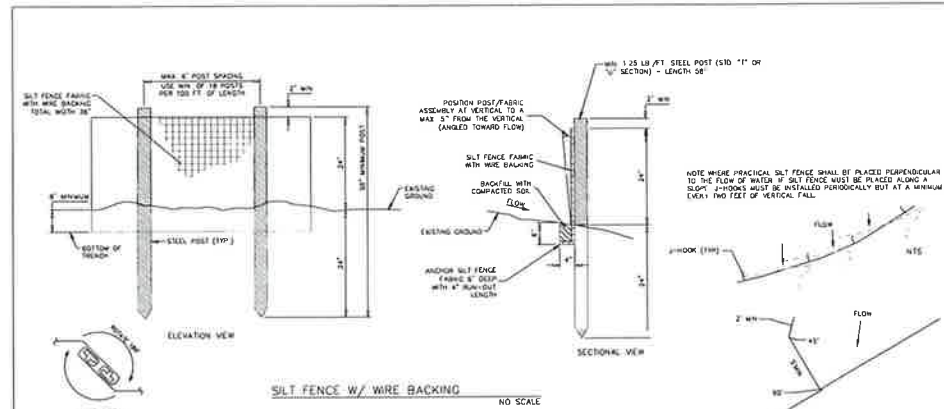
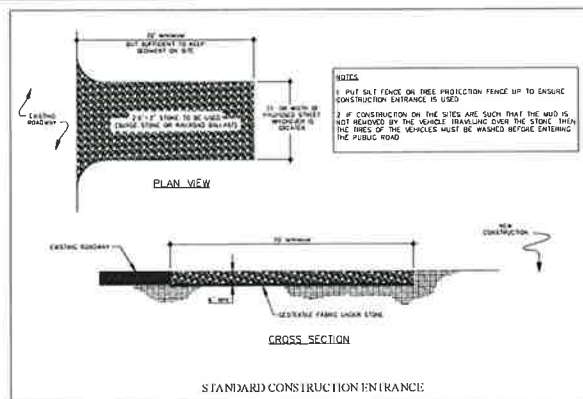
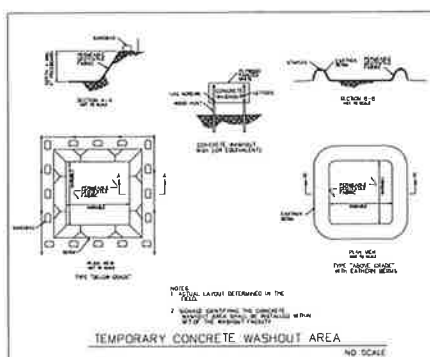
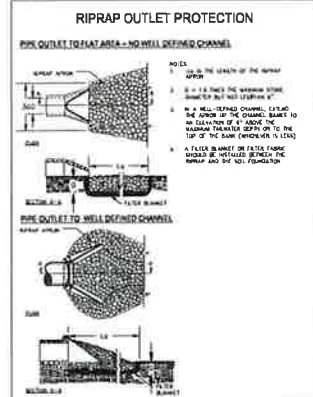
PER INDUSTRY STANDARD	NO SCAL
NO GEOTECHNICAL REPORT	

PROVOLD AT THIS TIME



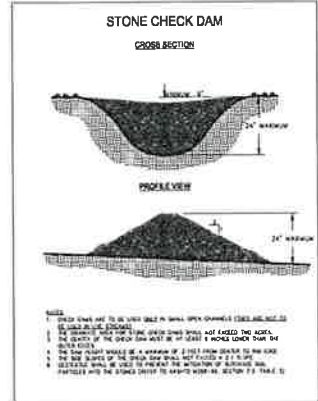
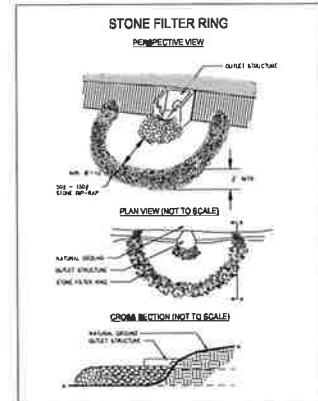
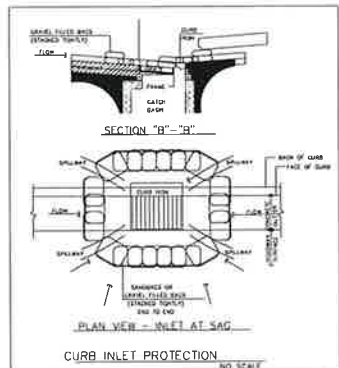
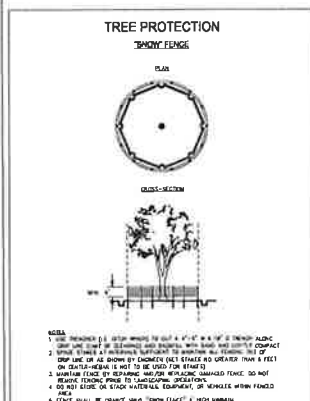
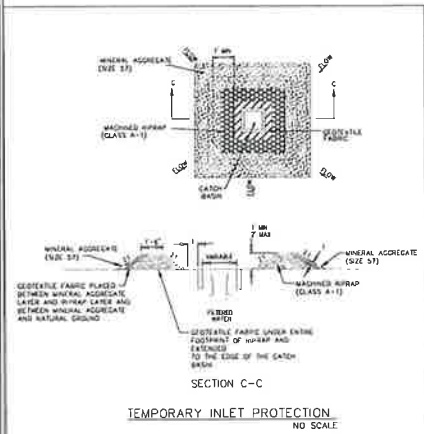
THE ENGINEER

DETAIL



SILT FENCE WITH WIRE BACKING GENERAL NOTES

- FABRIC SHALL BE FASTENED SECURELY TO WIRE WIRE FENCE BACKING WITH THE TIES SPACED EVERY 24 INCHES ALONG TOP AND MIDDLE SECTION.
- WHEN WIRE FENCE BACKING SHALL USE THE REQUIREMENTS FOR ASTM A-118 FOR 10-11 FARM DESIGN NO. 832-6-11, CLASS 3 COATING.
- SILT FENCE WITH BACKING SHOULD BE PLACED ALONG OR NEAR THE GROUND SURFACE. THE BOTTOM OF FENCE AT GRADING LINE SHOULD BE ON A FIRM PRELIMINARY (SLOPE, RISE OR MINOR FILL. TIES OF ONE PRESENT (SLOPE) THE END OF A RISE OF A SILT FENCE WITH WIRE BACKING SHOULD BE TURNED UP SLOPE.
- FOR TRENCH-BASED INSTALLATIONS, SILT FENCING WITH WIRE BACKING SHALL BE INSTALLED PER THE FOLLOWING STEPS AND IN THE FOLLOWING ORDER:
 - a. EXCAVATE TRENCH A MINIMUM OF 4 INCHES WIDE AND 6 INCHES DEEP. THE TRENCH SHALL BE HAND-CLEANED FOLLOWING EXCAVATION TO REMOVE BULKY DEBRIS SUCH AS ROCKS, STONES AND SOIL GLOBS FROM THE TRENCH.
 - b. DRIVE AND SET SUPPORT POSTS PER SPACING REQUIREMENTS GIVEN ON THE APPLICABLE FENCE DETAIL.
 - c. ATTACH WIRE FENCE BACKING TO POSTS AND FABRIC TO THE WIRE BACKING LONG WIRE TIES. SPACING AND SECURITY OF TIES SHALL BE INSTALLED ACCORDING TO NOTES G AND H.
 - d. INSTALL FABRIC IN TRENCH.
 - e. BACKFILL TRENCH (OVER-FALL) WITH SOIL PLACED AROUND FABRIC.
 - f. COMPACT SOIL BACKFILL WITH MECHANICAL EQUIPMENT. DO NOT JAMMAGE THE FABRIC DURING COMPACTION (JAMMAGE FABRIC SHALL BE REPLACED).
 - g. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WITH WIRE BACKING WHEN IT HAS AGGREGATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE STRUCTURE.



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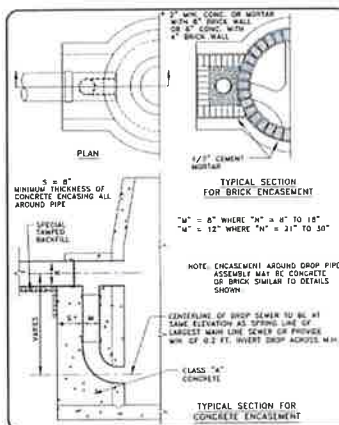


SMYRNA VILLAGE
EROSION CONTROL STANDARD DETAILS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

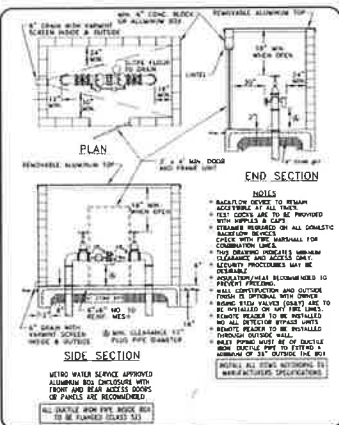
REVISIONS
REV 1 1-22-19
REV 2 1-28-19
REV 3 4-3-20
REV 4 08-18-22

DESIGNED BY: JF
DRAWN BY: MLW
CHECKED BY: HRS

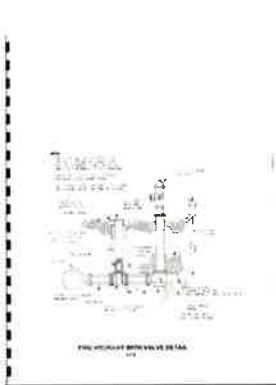
C 8.01



DROP PIPE ASSEMBLY FOR MANHOLES



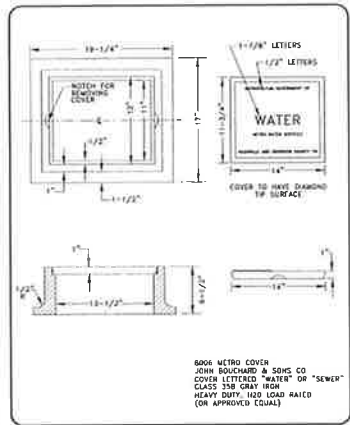
BACKFLOW PREVENTER BOX FOR 8" THROUGH 12" DOMESTIC & FIRE LINES



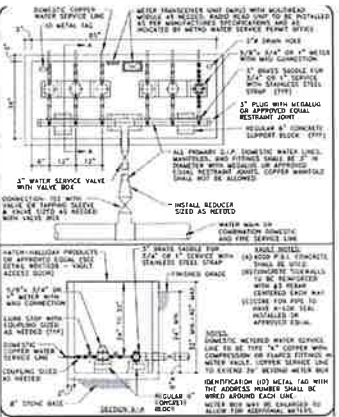
FIRE HYDRANT ASSEMBLY DETAIL



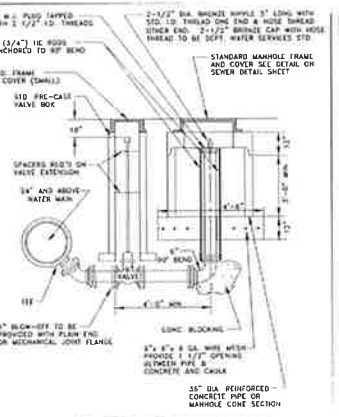
DOMESTIC WATER METER DETAIL



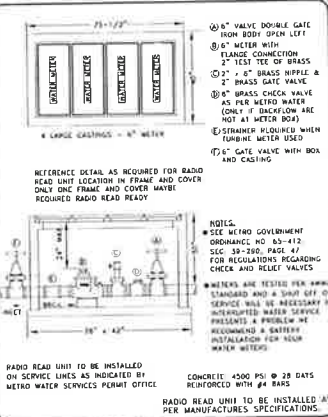
SMALL GRAY IRON VALVE COVER FRAME AND COVER



3" MANHOLD FOR 1" AND/OR MULTI SERVICES IN VAULT



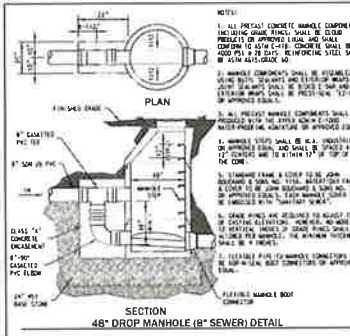
4" A WATER BLOWOFF VALVE ASSEMBLY DETAIL



RADIO READ UNIT TO BE INSTALLED ON SERVICE LINES AS INDICATED BY METRO WATER SERVICES PERMIT OFFICE



EXTERIOR CLEANOUT



SECTION 48" DROP MANHOLE (8" SEWER) DETAIL

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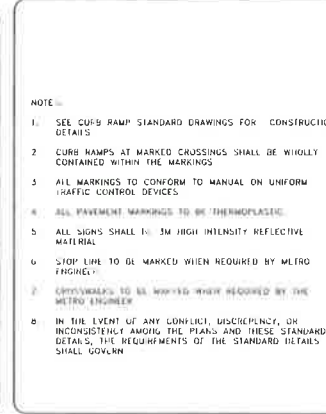
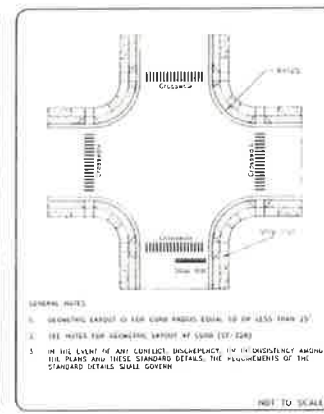
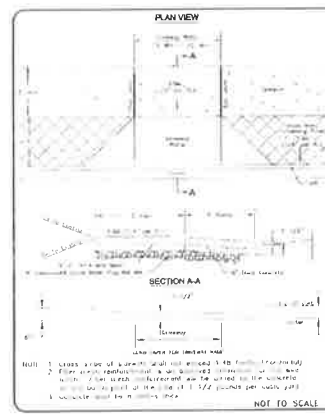
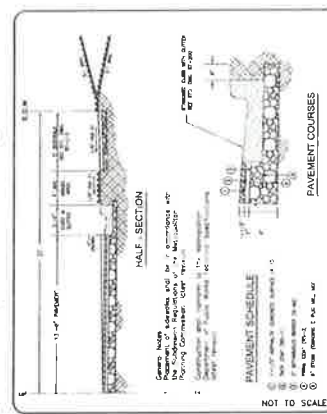
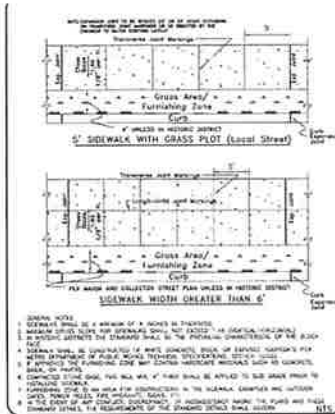
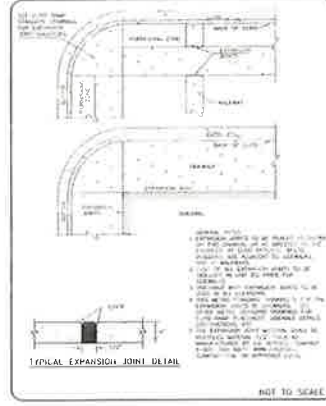
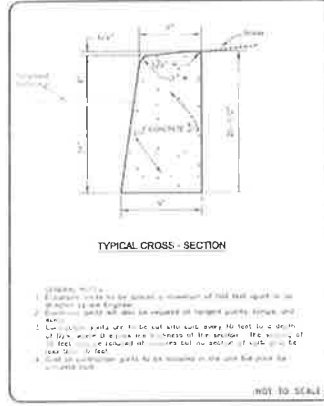
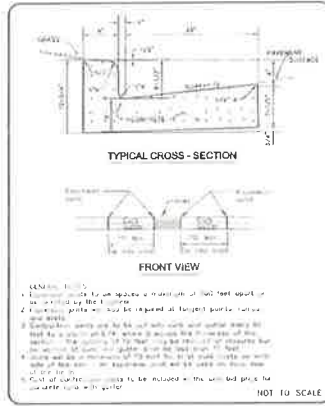
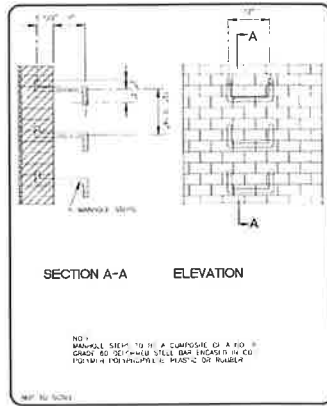
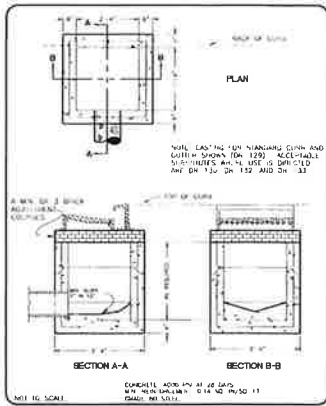
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SMYRNA VILLAGE
WATER STANDARD DETAILS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

REVISIONS	
REV 1	5-22-19
REV 2	1-29-20
REV 3	4-3-20
REV 4	08-18-22
DESIGNED BY: JP	
DRAWN BY: MLW	
CHECKED BY: HRS	

C 8.02



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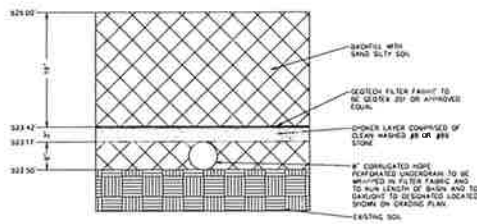
SMYRNA VILLAGE
PUBLIC WORKS STANDARD DETAILS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

REVISIONS

REV 1 12-18
REV 2 1-20-19
REV 3 4-20
REV 4 08-18-22

DESIGNED BY: JP
DRAWN BY: MLW
CHECKED BY: HRS

C 8.03



DETENTION POND WITH FRENCH DRAIN

GENERAL NOTES

1. THE EXISTING SOIL MEDIA SHALL CONSIST OF THE FOLLOWING MATERIALS:
 - FILL-BE SAND
 - 10% FILL-BE SILT & CLAY WITH NO MORE THAN 10% CLAY
 - 10% FILL-BE ORGANIC MATTER

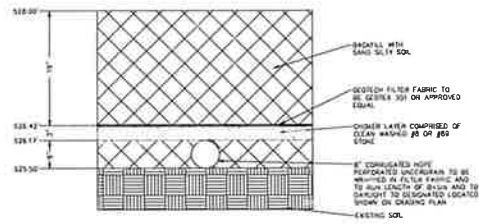
2. CONTRACTOR SHALL SUPPLY ALL WHYS, TEES, CLEANOUTS, FITTINGS, ADAPTORS, ETC TO CONNECT ALL PERFORATED UNDERDRAINS TO DOWNSIDE STORM SEWER ON DAYLIGHT

3. SEE THE PLANTING PLAN FOR AMOUNTS, SPECIES, AND SPACING REQUIREMENTS OF PLANTINGS

4. INSTALL PERMEABLE FILTER FABRIC ALONG SIDES OF THE EXCAVATION AND DIRECTLY ABOVE UNDERDRAIN (2'-4" WIDTH) ONLY FABRIC SHOULD NOT BE INSTALLED ALONG THE BOTTOM OR OVER THE ENTIRETY OF THE AREA BETWEEN THE MEDIA AND THE STONE LAYERS

5. EXCAVATION TO BE IN ACCORDANCE WITH OSHA

DET & WATER QTY POND A
NO SCALE



DETENTION POND WITH FRENCH DRAIN

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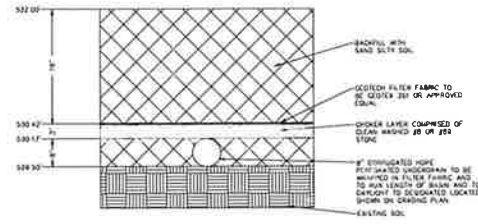
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DET & WATER QTY POND C
NO SCALE

SMYRNA VILLAGE
DET & WATER QTY POND DETAILS
SOUTH LOWRY STREET, SMYRNA
RUTHERFORD COUNTY, TENNESSEE
October 4, 2022

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