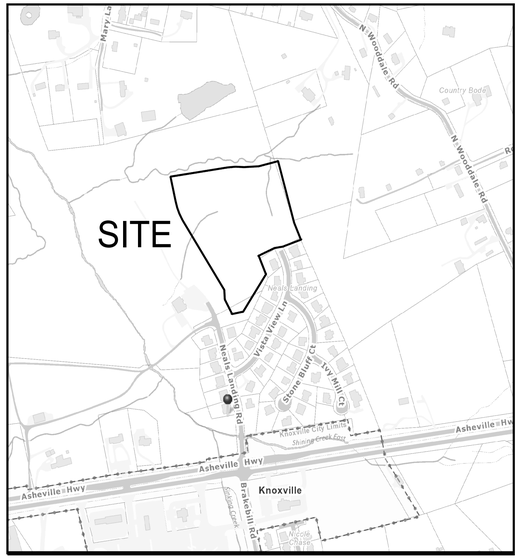
CONCEPT PLAN

NEALS LANDING - UNIT 3

241 NEALS LANDING ROAD, KNOXVILLE, TN
DISTRICT NO. 8
SECTOR PLAN: EAST COUNTY

CLT: 61
PARCEL: 061 07001
PART OF PARCEL: 061 071



LOCATION MAP

ENGINEER:
ROBERT G. CAMPBELL
AND ASSOCIATES
7523 TAGGART LANE
KNOXVILLE, TN 37938
PHONE: (865) 947-5996
FAX: (865) 947-7556

DEVELOPER:
MESANA INVESTMENTS
SCOTT DAVIS
1920 EBENEZER ROAD
KNOXVILLE, TN 37922
(865) 693-3356

Certification of Concept Plan.
I hereby certify that I am a registered engineer, licensed to practice engineering under the laws of the State of Tennessee. I further certify that the plan and accompanying drawings, documents and statements conform to all applicable provisions of the Knoxville-Knox County Subdivision Regulations except as has been itemized and described in a report filed with the Metropolitan Planning Commission.

Registered Engineer Jason P. Siverling
Tennessee Certificate No. 109034

JASON P. SIVERLING
REGISTERED ENGINEER
No. 109034
STATE OF TENNESSEE

05/29/2024

RGC&A

ROBERT G. CAMPBELL & ASSOCIATES , L.P.
CONSULTING ENGINEERS
KNOXVILLE , TENNESSEE

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP
(ORIGINAL MPC FILE NUMBER: 7-SD-20-C / 7-D-20-UR)

NEALS LANDING PHASE 3

JASON P. SIVERLING
REGISTERED ENGINEER
STATE OF TENNESSEE
COMMISSION NO. 109094

05/29/2024

CURVE DATA

ROAD 'A' NORTH
CURVE C1
PI 22+57.24
N 622,972.7725
E 2,625,992.1245
Δ 94° 49' 37" (LT)
D 38° 11' 50"
R 150.00
L 248.26
T 163.20

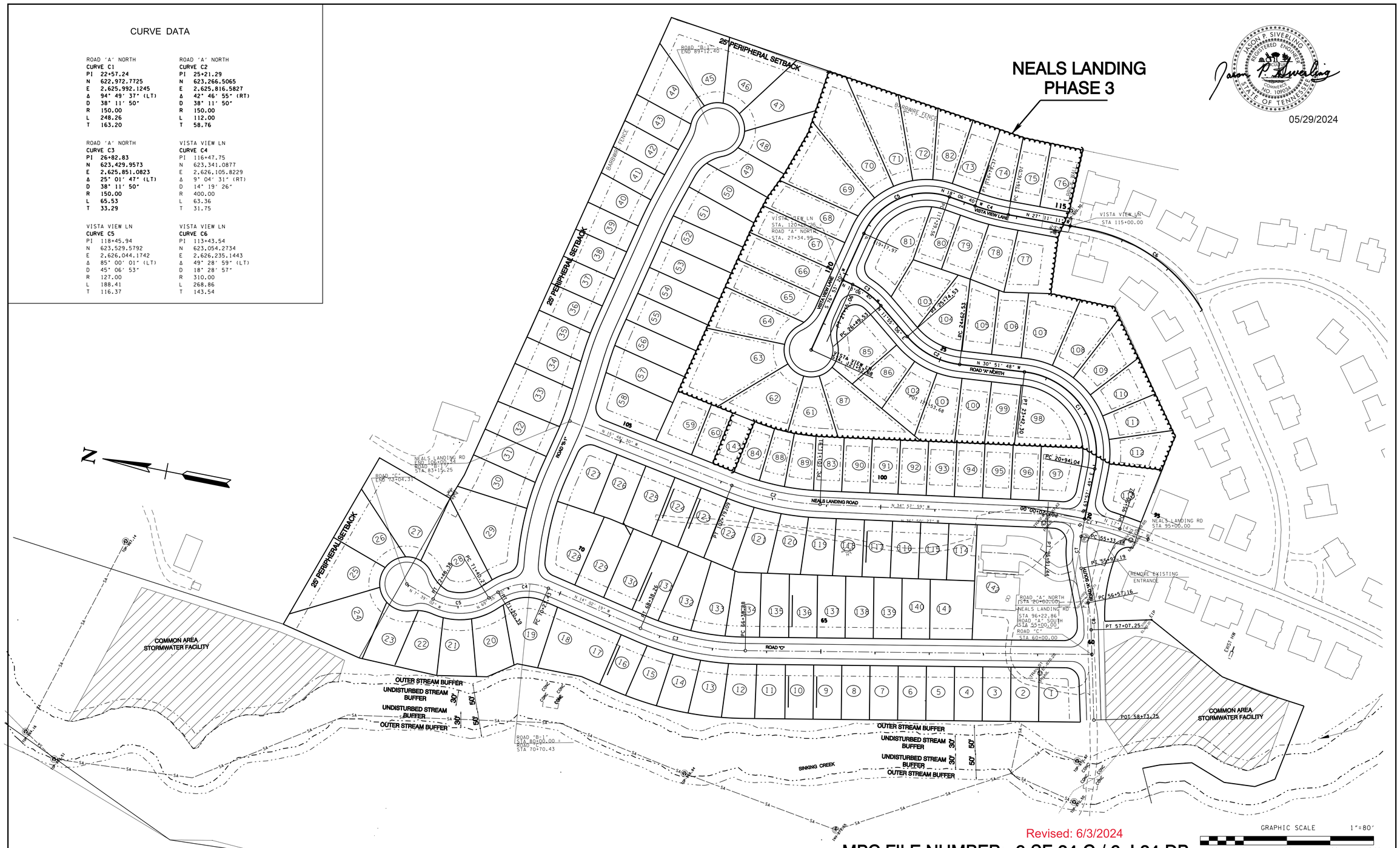
ROAD 'A' NORTH
CURVE C2
PI 25+21.29
N 623,266.5065
E 2,625,816.5827
Δ 42° 46' 55" (RT)
D 38° 11' 50"
R 150.00
L 112.00
T 58.76

ROAD 'A' NORTH
CURVE C3
PI 26+82.83
N 623,429.9573
E 2,625,851.0823
Δ 25° 01' 47" (LT)
D 38° 11' 50"
R 150.00
L 65.53
T 33.29

VISTA VIEW LN
CURVE C4
PI 116+47.75
N 623,341.0877
E 2,626,105.8229
Δ 9° 04' 31" (RT)
D 14° 19' 26"
R 400.00
L 63.36
T 31.75

VISTA VIEW LN
CURVE C5
PI 118+45.94
N 623,529.5792
E 2,626,044.1742
Δ 85° 00' 01" (LT)
D 45° 06' 53"
R 127.00
L 188.41
T 116.37

VISTA VIEW LN
CURVE C6
PI 113+43.54
N 623,054.2734
E 2,626,235.1443
Δ 49° 28' 59" (LT)
D 18° 28' 57"
R 310.00
L 268.86
T 143.54



Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

GRAPHIC SCALE 1"=80'
0 80 160 240

NO.	DATE	DESCRIPTION	BY	CKD.
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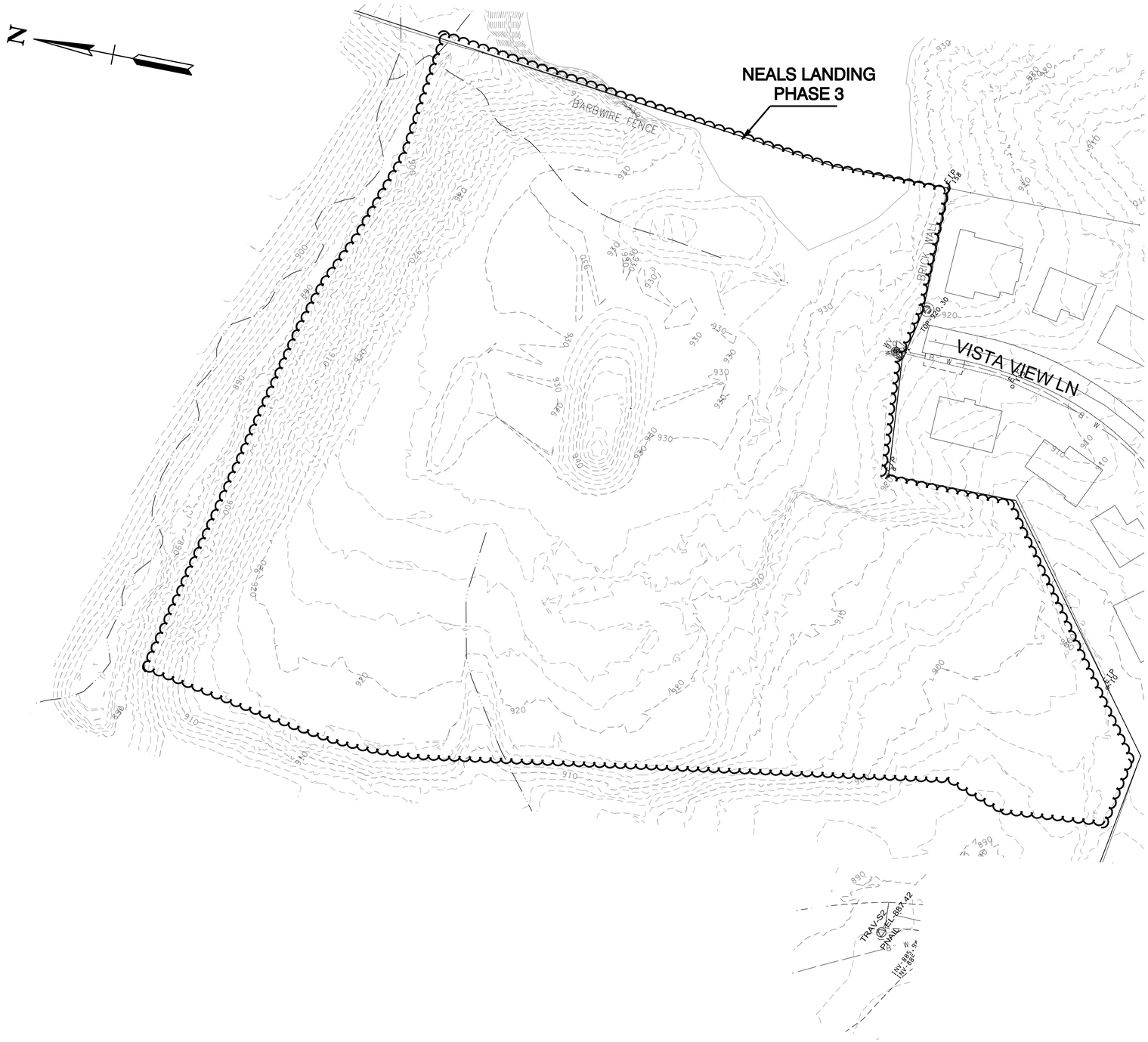
REVISIONS

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

OVERALL SITE LAYOUT

DESIGNED BY	CHECKED BY	SCALE	SHEET TWO
JPS	RGC	1" = 80'	NO. 2
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	



LEGEND

- EIP — IRON PIN FOUND
- PIPE — PIPE FOUND
- W.M. — WATER METER
- MANHOLE
- W.V. — WATER VALVE
- FIRE HYDRANT
- P/T/C — POWER/TELEPHONE/CABLE
- LIGHT POLE

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

JASON P. SIVERLING — REGISTERED ENGINEER — STATE OF TENNESSEE — No. 109031

05/29/2024

GRAPHIC SCALE 1"=50'

0 50 100 150

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RGC&A

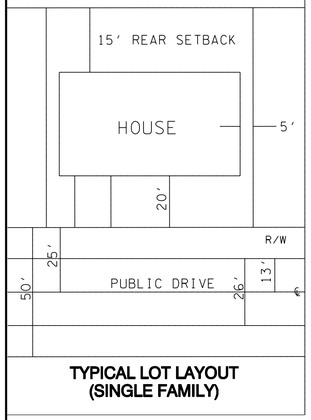
ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

EXISTING CONDITIONS

DESIGNED BY	CHECKED BY	SCALE	SHEET THREE
JPS	RGC	1" = 50'	NO. 3
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	

NOTE: 25' PERIPHERAL SETBACK APPLIES AROUND SUBDIVISION PERIMETER.



TYPICAL LOT LAYOUT (SINGLE FAMILY)

NOTES:

1) EXCAVATE PERMANENT STORMWATER DETENTION POND IN ADVANCE OF CONSTRUCTION. AND USE AS SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATED SEDIMENT AND INSTALL PERMANENT OUTLET STRUCTURE WHEN THE UPSTREAM DRAINAGE AREA IS STABILIZED.

2) EXISTING CONTOURS BASED ON KGIS PROVIDED BY LYNCH SURVEYS.

3) LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES NOT SHOWN. PRIOR TO ANY EXCAVATION, THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY AUTHORITIES FOR EXACT LOCATIONS AND DEPTHS.

4) CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY PRACTICES.

5) APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.

6) APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON- CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.

7) ACCESS TO ALL UNITS FROM INTERNAL ROAD SYSTEM ONLY.

8) A 15' SANITARY SEWER EASEMENT EXISTS ALONG SANITARY SEWER LINE, 7.5' EACH SIDE AS INSTALLED.

9) PRIOR TO LAND DISTURBANCE, A SITE DEVELOPMENT PERMIT TO BE OBTAINED FROM KNOX COUNTY. ADDITIONAL ENGINEERING ANALYSIS AND OTHER DOCUMENTS WILL BE REQUIRED FOR ISSUANCE OF THE SITE PERMIT. ADDITIONAL STORMWATER EASEMENTS AND FACILITIES MAY BE REQUIRED.

10) THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

11) ROADWAYS TO BE PUBLIC RIGHT OF WAYS.

12) EASEMENTS TO BE PROVIDED FOR SWALES AND STORMWATER PIPES AS PART OF SITE DEVELOPMENT PLAN AND FINAL PLATTING.

13) SINGAGE SHALL BE PLACED BASED ON 25 MPH DESIGN SPEED.

14) LOCATIONS OF MAIL KIOSKS TO BE APPROVED BY THE U.S. POSTAL SERVICE.

15) MAXIMUM DRIVEWAY WIDTH TO BE 18 FEET.

16) DRIVEWAYS FOR LOTS 81 AND 85 NEED TO BE AT LEAST 50' AWAY FROM THE INTERSECTION OF VISTA VIEW LANE AND ROAD 'A' NORTH

ROAD 'A' NORTH
CURVE C1

PI	22+57.24
N	622,972.7725
E	2,625,992.1245
Δ	94° 49' 37" (LT)
D	38° 11' 50"
R	150.00
L	248.26
T	163.20

ROAD 'A' NORTH
CURVE C2

PI	25+21.29
N	623,266.5065
E	2,625,816.5827
Δ	42° 46' 55" (RT)
D	38° 11' 50"
R	150.00
L	112.00
T	58.76

ROAD 'A' NORTH
CURVE C3

PI	26+82.83
N	623,429.9573
E	2,625,851.0823
Δ	25° 01' 47" (LT)
D	38° 11' 50"
R	150.00
L	65.53
T	33.29

VISTA VIEW LN
CURVE C4

PI	116+47.75
N	623,341.0877
E	2,626,105.8229
Δ	9° 04' 31" (RT)
D	14° 19' 26"
R	400.00
L	63.36
T	31.75

VISTA VIEW LN
CURVE C5

PI	118+45.94
N	623,529.5792
E	2,626,044.1742
Δ	85° 00' 01" (LT)
D	45° 06' 53"
R	127.00
L	188.41
T	116.37

VISTA VIEW LN
CURVE C6

PI	113+43.54
N	623,054.2734
E	2,626,235.1443
Δ	49° 28' 59" (LT)
D	18° 28' 57"
R	310.00
L	268.86
T	143.54

ENGINEER:
ROBERT G. CAMPBELL
AND ASSOCIATES
7523 TAGGART LANE
KNOXVILLE, TN 37938
PHONE: (865) 947-5996
FAX: (865) 947-7556

DEVELOPER:
MESANA INVESTMENTS
SCOTT DAVIS
1920 EBENEZER ROAD
KNOXVILLE, TN 37922
(865) 693-3356

CLT MAP: 61
PARTIAL: 061 07001
PART OF PARCEL: 061 071
DISTRICT 8
TOTAL AREA: 9.33 ACRES
NUMBER OF LOTS: 41
PROPERTY ZONED: PR (PLANNED RESIDENTIAL)

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

(ORIGINAL MPC FILE NUMBER: 7-SD-20-C / 7-D-20-UR)

Revised: 6/3/2024

JASON P. SIVERLING REGISTERED ENGINEER COMMISSION NO. 109028 STATE OF TENNESSEE

05/29/2024

GRAPHIC SCALE 1"=50'
0 50 100 150

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

SITE LAYOUT

DESIGNED BY	CHECKED BY	SCALE	SHEET FOUR
JPS	RGC	1" = 50'	NO. 4
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	

NOTES:

1) EXCAVATE PERMANENT STORMWATER DETENTION POND IN ADVANCE OF CONSTRUCTION, AND USE AS SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATED SEDIMENT AND INSTALL PERMANENT OUTLET STRUCTURE WHEN THE UPSTREAM DRAINAGE AREA IS STABILIZED.

2) EXISTING CONTOURS BASED ON KGIS PROVIDED BY LYNCH SURVEYS.

3) LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES NOT SHOWN. PRIOR TO ANY EXCAVATION, THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY AUTHORITIES FOR EXACT LOCATIONS AND DEPTHS.

4) CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY PRACTICES.

5) APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.

6) APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON- CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.

7) ACCESS TO ALL UNITS FROM INTERNAL ROAD SYSTEM ONLY.

8) A 15' SANITARY SEWER EASEMENT EXISTS ALONG SANITARY SEWER LINE, 7.5' EACH SIDE AS INSTALLED.

9) LANDSCAPING SHALL COMPLY WITH ALL ASPECTS OF THE KNOX COUNTY ENGINEEERING. TREE PROTECTION ORDINANCE.

10) PRIOR TO LAND DISTURBANCE, A SITE DEVELOPMENT PERMIT TO BE OBTAINED FROM KNOX COUNTY. ADDITIONAL ENGINEERING ANALYSIS AND OTHER DOCUMENTS WILL BE REQUIRED FOR ISSUANCE OF THE SITE PERMIT. ADDITIONAL STORMWATER EASEMENTS AND FACILITIES MAY BE REQUIRED.

11) THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

12) ROADWAYS TO BE PUBLIC RIGHT OF WAYS.

13) EASEMENTS TO BE PROVIDED FOR SWALES AND STORMWATER PIPES AS PART OF SITE DEVELOPMENT PLAN AND FINAL PLATTING.

14) SINGAGE SHALL BE PLACED BASED ON 25 MPH DESIGN SPEED.

15) LOCATIONS OF MAIL KIOSKS TO BE APPROVED BY THE U.S. POSTAL SERVICE.

16) MAXIMUM DRIVEWAY WIDTH TO BE 18 FEET.

LEGEND

- PROPOSED SIDEWALK
- PROPOSED STORMDRAIN
- PROPOSED CATCH BASIN
- PROPOSED HEADWALL
- EXISTING ROADS
- 960 PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- EXISTING TREE LINE

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

JASON P. SIVERLING REGISTERED ENGINEER 109034 STATE OF TENNESSEE

05/29/2024

GRAPHIC SCALE 1"=50'

0 50 100 150

NO.	DATE	DESCRIPTION	BY	CKD.
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			---	---

REVISIONS

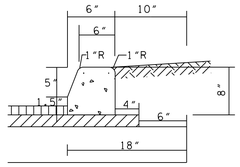
RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

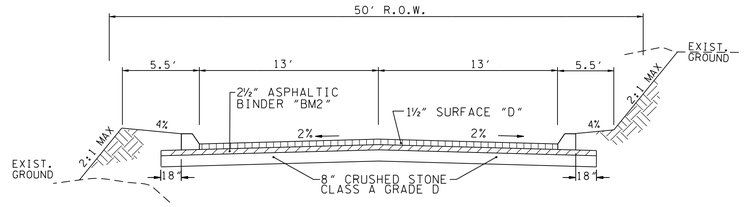
GRADING AND DRAINAGE LAYOUT

DESIGNED BY	CHECKED BY	SCALE	SHEET FIVE
JPS	RGC	1" = 50'	NO. 5
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	



STANDARD DETAIL 6" EXTRUDED CURB

NOTE: INSTALL CONTRACTION JOINTS AT MAXIMUM SPACING OF 10 FEET.
INSTALL EXPANSION JOINTS AT MAXIMUM SPACING OF 25 FEET.



TYPICAL 2 LANE STREET

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.

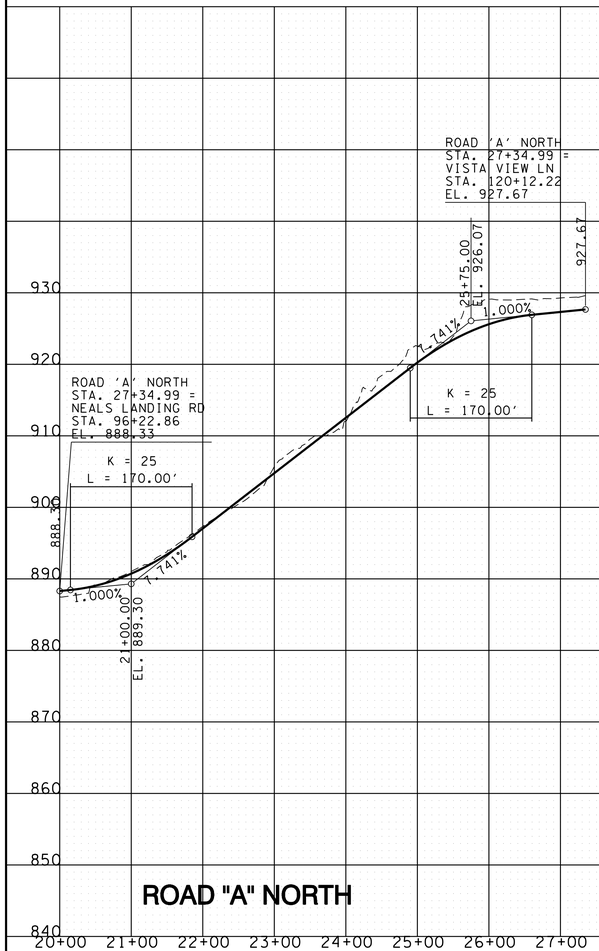
FILL SOILS SHALL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. NO LESS THAN SIX (6) DENSITY TESTS SHALL BE PERFORMED IN EVERY 10,000 SQUARE FEET OF AREA PER 8 INCH LIFT. (APPROX. 1 TEST PER EVERY 50 SQ. FT.)

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

JASON P. SIVERLING
REGISTERED ENGINEER
COMMERCE
NO. 109026
STATE OF TENNESSEE

05/29/2024



ROAD "A" NORTH

VISTA VIEW LANE

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

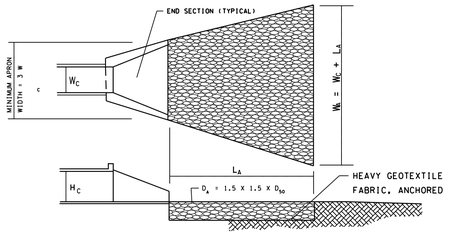
RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

ROAD PROFILES

DESIGNED BY	CHECKED BY	SCALE	SHEET SIX
JPS	RGC	1"=100' HORZ. 1"=10' VERT.	NO. 6
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	

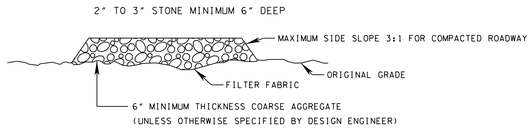


TAILWATER < 0.5 H_C AND ASSUMING FULL CULVERT FLOW (LOW TAILWATER CONDITIONS)

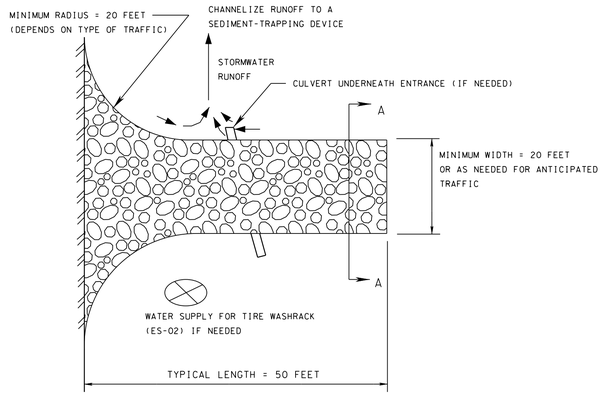
L_A	8′
W_A	6′
D_A	8″
D_{50}	6″
D_{MAX}	12″

H_C = HEIGHT OF CULVERT
W_C = WIDTH OF CULVERT
L = LENGTH OF RIPRAP APRON
W_A = WIDTH OF RIPRAP APRON AT END
D_{50} = MEDIAN RIPRAP SIZE (TABLE ES-25-1)
D_{MAX} = MAXIMUM SIZE OF RIPRAP = 1.5 D_{50}
D_A = DEPTH OF RIPRAP APRON = 1.5 D_{MAX}

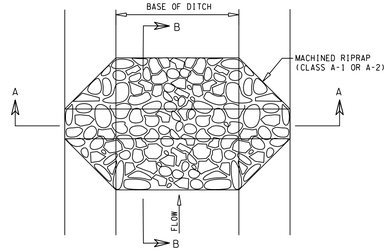
RIPRAP OUTLET PROTECTION



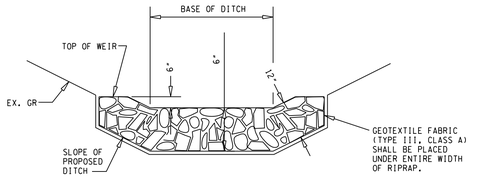
SECTION A-A



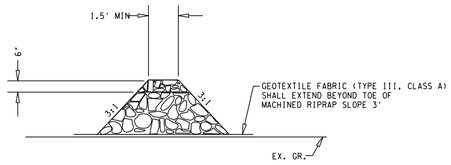
CONSTRUCTION EXIT DETAIL



PLAN



SECTION A-A

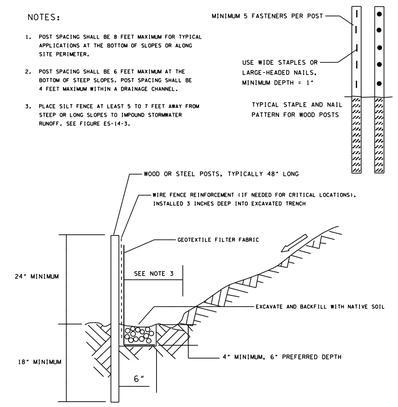


SECTION B-B

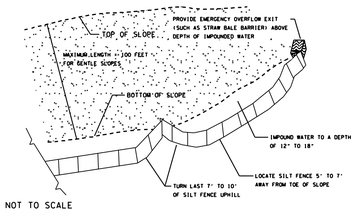
ROCK DAM DETAIL

NOTES:

1. POST SPACING SHALL BE 8 FEET MAXIMUM FOR TYPICAL APPLICATIONS AT THE BOTTOM OF SLOPES OR ALONG SITE PERIMETER.
2. POST SPACING SHALL BE 6 FEET MAXIMUM AT THE BOTTOM OF STEEP SLOPES. POST SPACING SHALL BE 4 FEET MAXIMUM WITHIN A DRAINAGE CHANNEL.
3. PLACE SILT FENCE AT LEAST 5 TO 7 FEET AWAY FROM STEEP OR LONG SLOPES TO IMPOUND STORMWATER RUNOFF. SEE FIGURE ES-14-3.

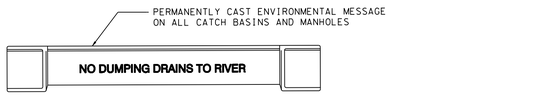


TYPICAL SILT FENCE INSTALLATION

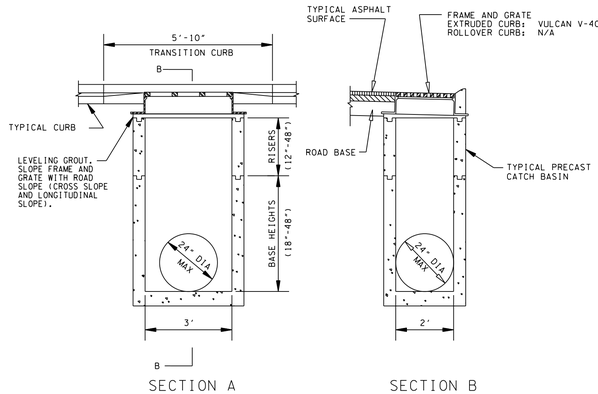


NOT TO SCALE

SILT FENCE (BELOW A STEEP OR LONG SLOPE)

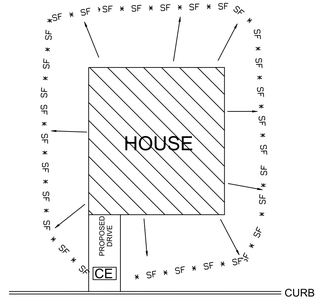


TOP PLAN



SECTION A SECTION B

TYPICAL CATCH BASIN DETAIL



PUBLIC ROAD

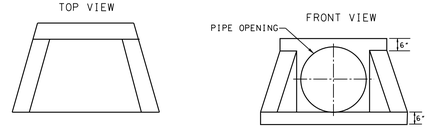
GRAVEL CONSTRUCTION EXIT TO EACH BUILDING SITE

INSTALL SILT FENCE AND/OR HAY BALES ALONG LOWER SIDES OF LOT

EXTEND PIPES FROM GUTTER DOWNSPOUTS TO STABILIZED AREA UNTIL YARD AREAS ARE STABILIZED.

EXCAVATE SUMPS AS NECESSARY TO COLLECT EXCESS SEDIMENT

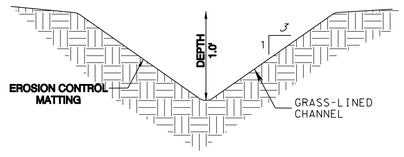
TYPICAL BUILDING



NOTES:

1. MINIMUM REINFORCING WIRE REINFORCEMENT 4 x 4 W7 x W7
2. SHERMAN DIXIE PRECAST HEADWALL, DRAWING ET-001 OR EQUAL

ENDWALL DETAIL



ON SITE DIVERSION TYPICAL DETAIL

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

JASON P. SIVERLING REGISTERED ENGINEER 109024 STATE OF TENNESSEE

05/29/2024

NO.	DATE	DESCRIPTION	BY	CKD.
		NO SCALE		

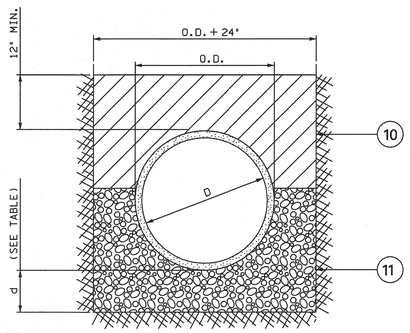
REVISIONS

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

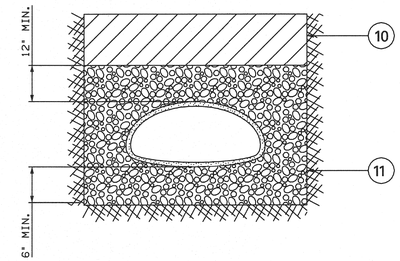
NEALS LANDING
SITE DEVELOPMENT PLAN

DETAILS

DESIGNED BY	CHECKED BY	SCALE	SHEET SEVEN
JPS	RGC	NO SCALE	NO. 7
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	



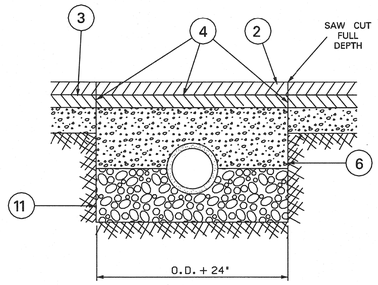
CLASS B



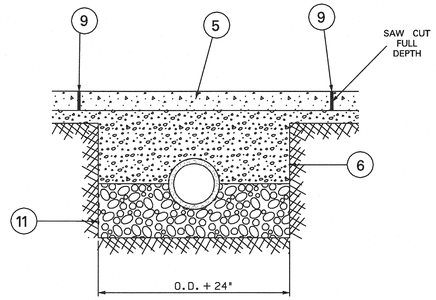
CLASS B

TRENCH BEDDING

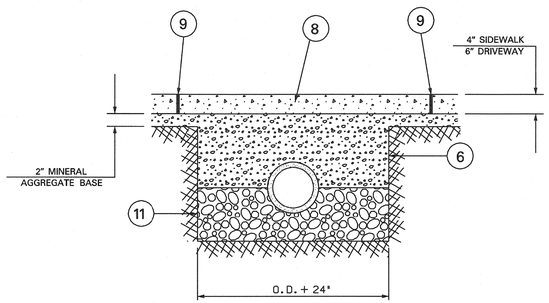
D	d (MIN.)
27" AND SMALLER	3"
30" TO 60"	4"
66" AND LARGER	6"
DEPTH OF BEDDING MATERIAL BELOW PIPE	



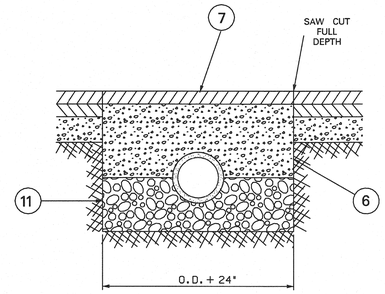
ASPHALT STREET REPAIR



CONCRETE STREET REPAIR



CONCRETE SIDEWALK / DRIVEWAY REPAIR



TEMPORARY ASPHALT STREET REPAIR

NOTES:

1. ALL SECTIONS NOTED BELOW REFERENCE THE CITY OF KNOXVILLE STANDARD SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
2. ASPHALTIC CONCRETE SURFACE, GRADING D, SECTION 10.0. MATCH EXISTING DEPTH OR MINIMUM THICKNESS OF ONE AND ONE-HALF (1.5) INCHES.
3. BITUMINOUS PLANT MIX BASE, GRADING B, B-M, OR C, SECTION 9.0. MATCH EXISTING DEPTH OR MINIMUM THICKNESS OF TWO AND ONE-HALF (2.5) INCHES. THE ENTIRE FOUR (4) INCH MINIMUM DEPTH MAY BE ASPHALTIC CONCRETE SURFACE GRADING D, BUT SHALL BE COMPACTED IN TWO LIFTS.
4. TACK COAT, SECTION 7.0.
5. PORTLAND CEMENT CONCRETE PAVEMENT, SECTION 11.0. JOINTS SHALL BE DOWELED AS DETAILED IN SECTION 11.0.
6. MINERAL AGGREGATE BASE, CLASS A AGGREGATE GRADING D, SECTION 5.0, COMPACTED IN SIX (6) INCH LIFTS TO 100% OF THE STANDARD PROCTOR DENSITY AT 2% LESS THAN OPTIMUM MOISTURE CONTENT AS DETERMINED BY AASHTO T99, METHOD D, APPROXIMATELY 140 PCF FOR LIMESTONE.
7. WHEN A TEMPORARY ASPHALT PATCH IS USED, IT SHALL BE PLACED IMMEDIATELY AFTER THE MINERAL AGGREGATE BACKFILL. ALL TEMPORARY REPAIRS MUST BE REPLACED PERMANENTLY WITHIN 90 DAYS.
8. CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIAN STRIP, SECTION 13.0.
9. LIMITS OF REMOVAL SHALL BE FROM THE NEAREST EXPANSION OR CONTRACTION JOINT.
10. COMPACTED BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 20.0. BACKFILL MATERIAL IN THE ROADWAY OR WITHIN FIVE (5) FEET OF THE ROADWAY, UNDER CURBS, GUTTERS, AND SIDEWALKS SHALL MEET THE REQUIREMENTS OF SECTION 5.0 (MINERAL AGGREGATE BASE).
11. BEDDING MATERIAL, GRADING SIZE NO. 57 OR NO. 67, SHALL BE IN ACCORDANCE WITH SECTION 20.0.
12. EXISTING CONCRETE STREETS THAT HAVE BEEN OVERLAID WITH ASPHALT SHALL BE REPAIRED WITH ASPHALT. THE DEPTH OF THE ASPHALT REPLACING THE CONCRETE SHALL BE INCREASED 50% (PLUS ANY OVERLAY), THUS, THE TOTAL DEPTH SHALL BE 1.5 TIMES THE CONCRETE THICKNESS PLUS THE ASPHALT OVERLAY THICKNESS.

JASON P. SIVERLING REGISTERED ENGINEER COMMERCE AND 109934 STATE OF TENNESSEE

05/29/2024

Revised: 6/3/2024

MPC FILE NUMBER: 6-SF-24-C / 6-J-24-DP

NO.	DATE	DESCRIPTION	BY	CKD.
		NO SCALE		

REVISIONS

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

NEALS LANDING - UNIT 3

STANDARD DETAIL FOR PIPE BEDDING AND BACKFILL

DESIGNED BY	CHECKED BY	SCALE	SHEET EIGHT
GMT	RGC	NO SCALE	NO. 8
DRAWN BY	DATE	FILE NO.	OF EIGHT SHEETS
JPS	04-26-24	18147	