

OWNER:  
JMB INVESTMENT COMPANY  
325 ERIN DR  
KNOXVILLE, TN 37919  
PHONE: 200-4770  
FAX: 200-4771  
CONTACT: TIM DUNAWAY

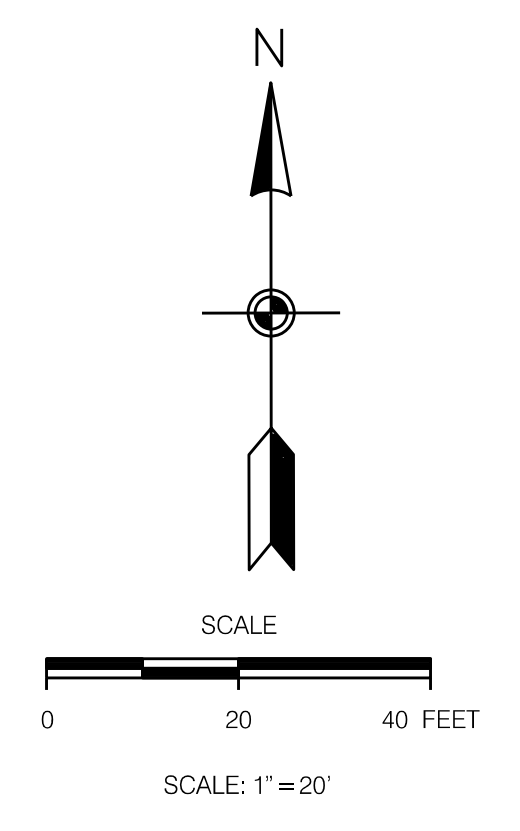
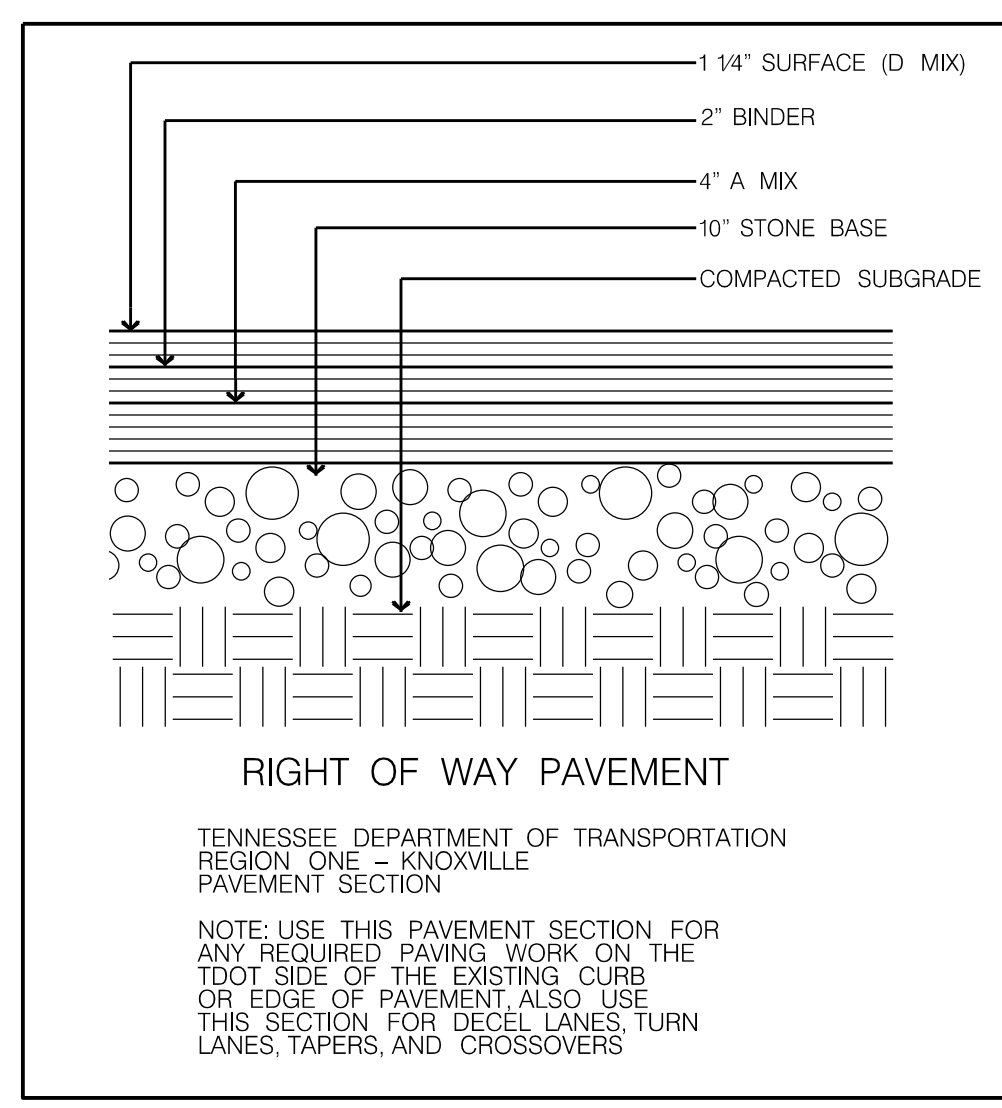
ENGINEER:  
WILL ROBINSON & ASSOCIATES  
1248 N. SHOREWOOD LN  
CARYVILLE, TN 37714  
PHONE: 386-4200  
FAX:  
CONTACT: WILL ROBINSON

CONTRACTOR:  
TO BE DETERMINED

**U.S. HIGHWAY**  
(R/W VARIES)

TIE TO EXISTING PAVEMENT  
DOUBLE YELLOW THERMOPLASTIC CENTERLINE STRIPE  
SINGLE WHITE LINE  
PAVEMENT PAINTING TURN ARROWS SEE 14C2.1  
24" THERMOPLASTIC STOP BAR

SPEED LIMIT: 45 MPH  
AADT: 6437



**LEGEND:**

EXISTING	PROPOSED	
		GROUND CONTOUR ELEVATION
		SPOT ELEVATION
		STRUCTURE
		PROPERTY LINE
		EASEMENT
		EDGE OF PAVEMENT
		STORM DRAIN
		SANITARY SEWER
		POTABLE WATER
		NATURAL GAS
		OVERHEAD ELECTRICAL
		WATER METER
		FIRE HYDRANT
		SURFACE FLOW
		SILT FENCING
		CURB
		CATCH BASIN
		CONCRETE PAVEMENT
		ASPHALT PAVEMENT
		RIP RAP

**SITE LAYOUT NOTES**

- USE: RETAIL, ZONING: NO ZONING, PARCEL 100M B 001.00
- TOTAL BUILDING AREA: PROPOSED 10,696 SF (1 STORY)
- TOTAL SITE: 7 AC, TOTAL DIST AREA: 1.57 AC, TOTAL NEW IMPERV: 0.70 AC.
- DEED REFERENCE: BOOK 1661 PAGE 2225
- PORTIONS OF THIS PARCEL OUTSIDE THE LIMITS OF CONSTRUCTION ARE LOCATED IN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA SEE MAP 4703500309D DATED 11/16/2007.
- SITE BENCHMARK: CONTACT SURVEYOR FOR SITE BENCHMARK, DATUM NAVD 88.
- SITE BOUNDARY AND TOPOGRAPHIC INFORMATION IS FROM A SURVEY BY PINNACLE LAND SURVEYING DATED 02/2023. THE CONTRACTOR SHALL VERIFY THE EXISTING INFORMATION PRIOR TO CONSTRUCTION. THE ARCHITECT NOR THE ENGINEER ACCEPT NO RESPONSIBILITY FOR THE ACCURACY AND/OR COMPLETENESS OF EXISTING CONDITIONS INFORMATION PROVIDED BY THE OTHERS.
- UTILITY INFORMATION IS BASED ON INFORMATION OBTAINED FROM THE UTILITY PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACCURACY OF THIS INFORMATION.
- PARKING SUMMARY:  
TOTAL REQUIRED: NO REQUIRED  
TOTAL PROVIDED: 34 SPACES  
BASIS: NONE REQUIRED
- SETBACKS:  
FRONT: NONE  
SIDE: NONE  
REAR: NONE
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES FOR EXECUTION OF THE WORK. ALL MATERIALS AND EXECUTION OF THE WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS.
- CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION ISSUED BY THE AGC OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE US DEPARTMENT OF LABOR. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION EROSION AND SEDIMENT CONTROL HANDBOOK.
- VERIFY SITE CONDITIONS, DIMENSIONS, ELEVATIONS, AND LOCATION OF EXISTING FEATURES BEFORE STARTING WORK. THE OWNERS REPRESENTATIVE SHALL BE NOTIFIED OF ANY INTERFERENCES OR DISCREPANCIES.
- TRAFFIC CONTROL IN CONSTRUCTION AREAS TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CORRECT ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALKS, DRAINAGE STRUCTURES, UTILITIES, OR OTHER EXISTING IMPROVEMENTS AT NO EXPENSE TO THE OWNER.
- PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND/OR CONCRETE AND NEW PAVEMENT AND/OR CONCRETE. FIELD ADJUSTMENT OF FINAL GRADES MAY BE REQUIRED. INSTALL ALL STORM SYSTEMS PRIOR TO INSTALLATION OF PAVEMENT AND/OR CONCRETE.
- DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, OR TO THE FACE OF BUILDING UNLESS NOTED OTHERWISE.
- MAINTAIN ONE SET OF AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ENGINEER UPON COMPLETION. INCLUDE ALL UTILITY LOCATIONS AND ALL NEW SIDEWALK RAMPS ELEVATIONS FOR ALL SANITARY AND STORM SEWER STRUCTURES SHALL BE INCLUDED. DRAWINGS SHALL INCLUDE VERTICAL AND HORIZONTAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES DISCOVERED DURING CONSTRUCTION.

NOTE: STORMWATER DETENTION IS PROVIDED ON THIS PROJECT. THERE WILL BE NO INCREASE IN RUNOFF TO THE RIGHT OF WAY FOR A 50 YEAR STORM EVENT

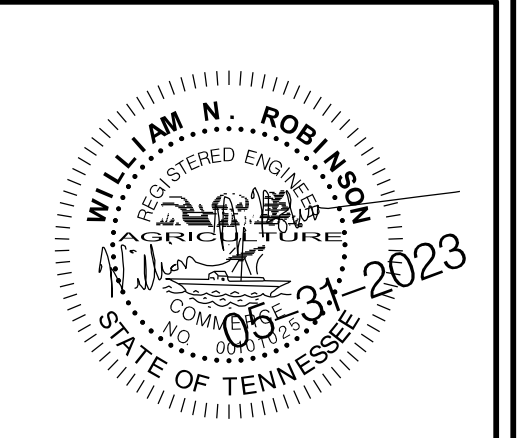
ALL PAVEMENT MARKINGS ON TDOT RIGHT OF WAY SHALL BE THERMOPLASTIC

SUFFICIENT SIGHT DISTANCE IS PROVIDED PER TDOT STANDARDS

KEVIN WILCOTT  
(1656/1981)

**WILL ROBINSON & ASSOCIATES**

1248 N. Shorewood Ln  
Caryville, TN 37714  
(865) 386-4200  
will@wracliv.com



A Site Plan for:  
**Dollar General**  
**Crossville 2**  
Hwy 70 at Blackberry Drive  
Crossville, TN

REVISIONS:  
05/31/2023 RESERVE STRIP NOTES

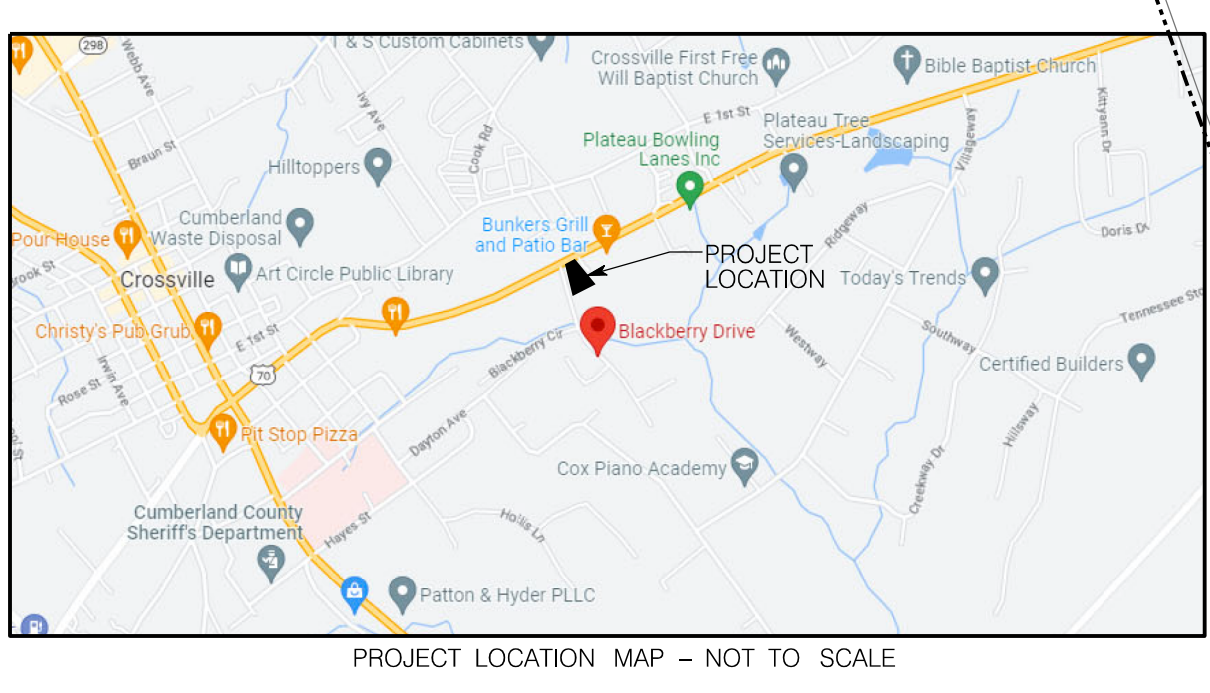
DRAWN: WNR  
CHECKED: WNR  
DATE: 05-22-2023  
FILE NAME:  
PROJECT NO:

**C1.1**  
SITE LAYOUT PLAN  
DRAWING

MANHOLE  
38.7  
25.4

EVERGREEN SCREENING WITHIN RESERVE STRIP TO BE INSTALLED PER AGREEMENT WITH CONTROLLING PARTY OF RESERVE STRIP. GRADING AND CONSTRUCTION EASEMENT TO BE OBTAINED BY DEVELOPER PRIOR TO WORK IN RECORDED RESERVE STRIP. CONTRACTOR SHALL NOT DISTURB THIS AREA IN ANY WAY WITHOUT RECORDED EASEMENT

SANITARY MANHOLE  
RIM EL=1818.7  
RIM EL=1812.6



**BLACKBERRY DRIVE**

ASPHALT

6" PVC

GRAVEL DRIVE

RING



**U.S. HIGHWAY**  
(R/W VARIES)

- CONSTRUCTION SEQUENCE OF EVENTS:**
1. INSTALL EROSION CONTROL MEASURES
  2. SITE CLEARING AND GRUBBING
  3. SITE DEMOLITION
  4. SITE ROUGH GRADING
  5. TEMPORARY SEEDING
  6. FOUNDATION CONSTRUCTION
  7. SLAB CONSTRUCTION
  8. WALL/ROOF SYSTEM CONSTRUCTION
  9. EXTERIOR/INTERIOR FINISH
  10. PARKING LOT PAVING
  11. FINISH GRADING
  12. PERMANENT SEEDING/LANDSCAPING
  13. SITE CLOSEOUT/LONG TERM MAINTENANCE

**TEMPORARY SEEDING RECOMMENDATION FOR LATER WINTER AND EARLY SPRING**

SPECIES	RATE (LB/ACRE)
RYE	100

SEEDING DATES: FEB 1 - MAY 1

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REFERFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**TEMPORARY SEEDING RECOMMENDATION FOR SUMMER**

SPECIES	RATE (LB/ACRE)
GRASS	60
BROWN TOP MILLET	30

SEEDING DATES: MAY 15 - AUG 15

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REFERFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**TEMPORARY SEEDING RECOMMENDATION FOR FALL**

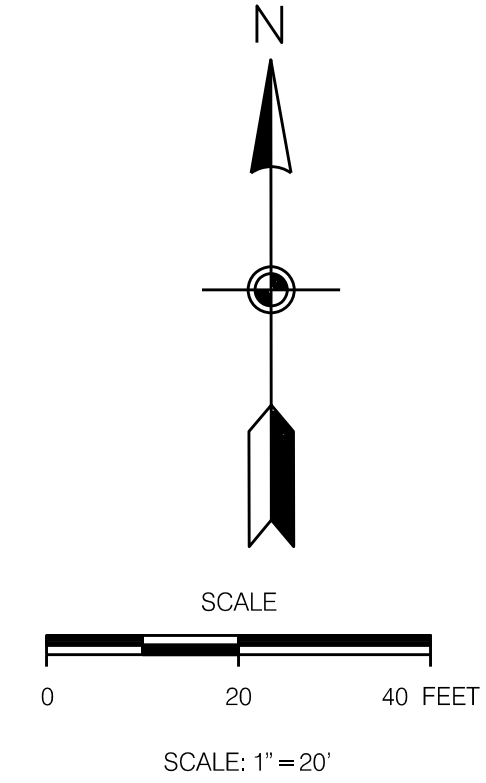
SPECIES	RATE (LB/ACRE)
GRASS	60
BROWN TOP MILLET	30

SEEDING DATES: AUG 15 - DEC 15

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REFERFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE IF NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15. OVERSEED WITH 50 LB/AC CRABGRASS CLOVER IN LATE FEBRUARY OR EARLY MARCH.

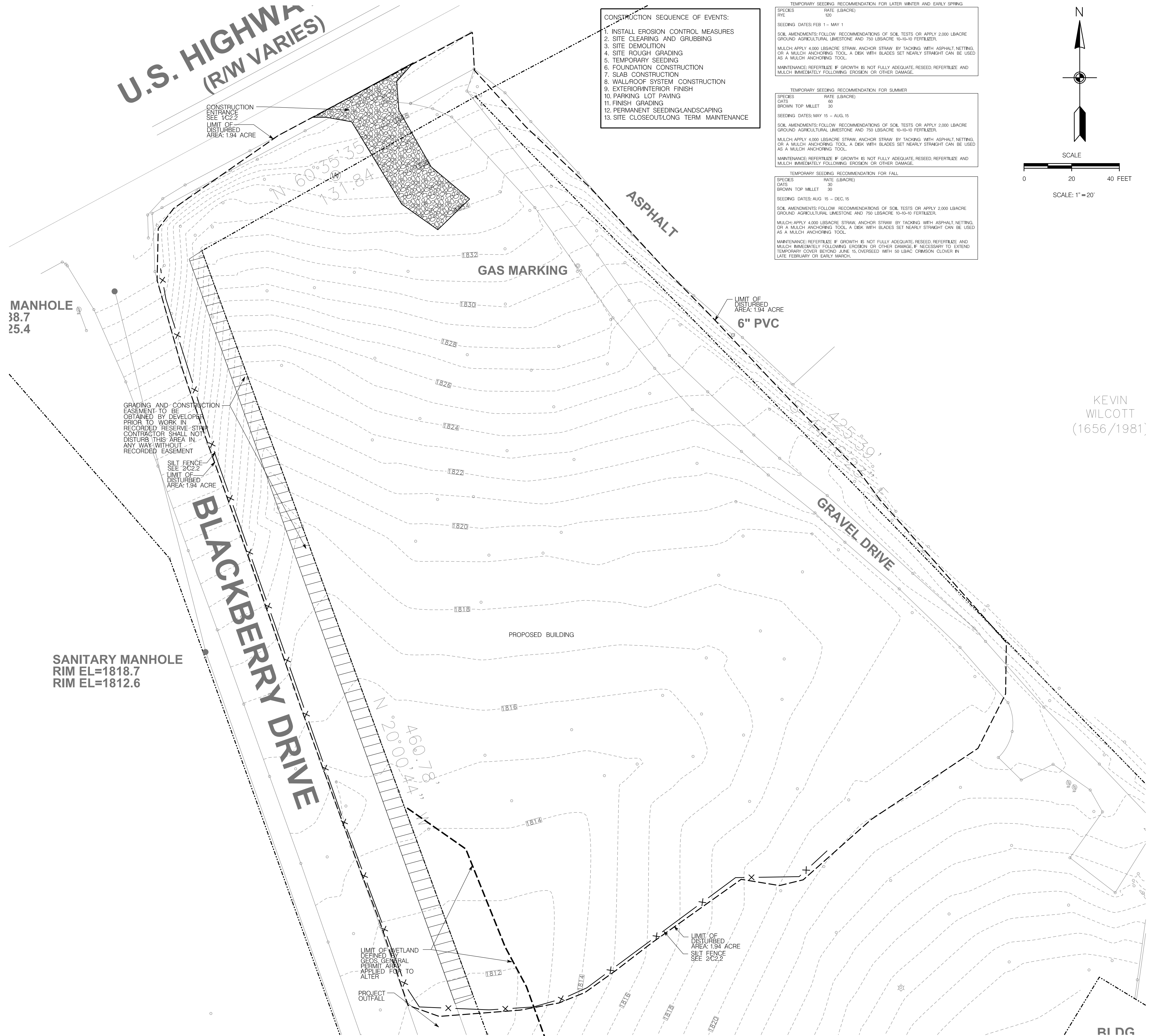


**LEGEND:**

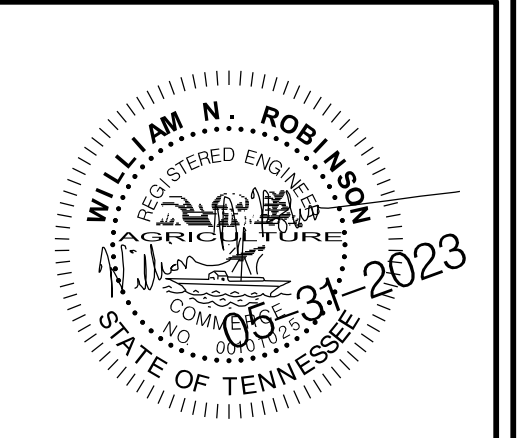
EXISTING	PROPOSED	
535	535	GROUND CONTOUR ELEVATION
535.25'	535.25'	SPOT ELEVATION
[Symbol]	[Symbol]	STRUCTURE
[Symbol]	NA	PROPERTY LINE
[Symbol]	NA	EASEMENT
[Symbol]	[Symbol]	EDGE OF PAVEMENT
SD	SD	STORM DRAIN
SS	SS	SANITARY SEWER
PW	PW	POTABLE WATER
NG	NG	NATURAL GAS
OE	OE	OVERHEAD ELECTRICAL
⊙	⊙	WATER METER
⊕	⊕	FIRE HYDRANT
NA	NA	SURFACE FLOW
NA	NA	SILT FENCING
[Symbol]	[Symbol]	CURB
[Symbol]	[Symbol]	CATCH BASIN
NA	[Symbol]	CONCRETE PAVEMENT
NA	[Symbol]	ASPHALT PAVEMENT
NA	[Symbol]	RIP RAP

- SITE GRADING NOTES**
1. SITE BENCHMARK: CONTACT SURVEYOR FOR LOCATION AND ELEVATION OF SITE BENCHMARK BASIS NAVD88.
  2. SITE BOUNDARY AND TOPOGRAPHIC INFORMATION IS BASED ON A SURVEY BY PINNACLE LAND SURVEYING DATED 02/2023. THE GRADING CONTRACTOR SHALL VERIFY CONDITIONS AND INFORM THE ENGINEER OF ANY DISCREPANCIES. THE ARCHITECT AND THE ENGINEER ACCEPT NO RESPONSIBILITY FOR THE ACCURACY AND/OR COMPLETENESS OF EXISTING CONDITIONS INFORMATION PROVIDED BY OTHERS.
  3. UTILITY INFORMATION IS BASED ON INFORMATION OBTAINED FROM THE UTILITY PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACCURACY OF THIS INFORMATION.
  4. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES INCLUDING SILT FENCE, RIP RAP AND EROSION CONTROL MAT AS SOON AS PRACTICAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE STRUCTURES UNTIL THE SITE HAS BEEN SUFFICIENTLY STABILIZED.
  5. THE CONTRACTOR SHALL EMPLOY SOILS CONSULTANTS FOR THE TESTING OF SOIL COMPACTION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. SOIL SHALL BE COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD. SOIL MOISTURE CONTENT SHALL BE MAINTAINED WITHIN +/- 3% OF OPTIMUM.
  6. THIS PROJECT MAY INVOLVE IMPORT OR WASTE OF FILL MATERIAL. THE CONTRACTOR SHALL REVIEW THIS PLAN, THE SITE SURVEY, AND INSPECT THE SITE ITSELF. THE CONTRACTOR SHALL THEN FORMULATE HIS OWN OPINION AS TO THE APPLICABILITY OF THIS PLAN TO THE GOAL OF AN ECONOMICALLY OPTIMAL SITE. CONTACT THE ENGINEER IF CHANGES TO THIS GRADING PLAN ARE REQUIRED TO MEET THIS GOAL.
  7. ALL SLOPES GREATER THAN 3:1 SHALL BE SPREAD WITH NORTH AMERICAN GREEN S-71 EROSION CONTROL FABRIC. INSTALL FABRIC PER MANUFACTURERS RECOMMENDATIONS.
  8. NO SLOPES SHALL BE GREATER THAN 2 HORIZONTAL : 1 VERTICAL.
  9. APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OR EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.
  10. 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.
  11. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL FOLLOW THE APPROVED PLAN DETAILS. IF DETAILS ARE NOT SHOWN, REFERENCE THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
  12. SLOPES SHALL HAVE EROSION CONTROL MAT INSTALLED IMMEDIATELY AFTER SLOPE GRADING IS COMPLETED AND TOPSOIL HAS BEEN INSTALLED TO ENCOURAGE 'LOCK IN' OF EROSION MAT.
  13. THIS IS A PRIORITY CONSTRUCTION ACTIVITY.
  14. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, AND/OR OTHER STORMWATER BEST MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR CONTRACTOR.
  15. CONTRACTOR SHALL STORE CHEMICALS AND SOLUBLE MATERIALS IN AN ENCLOSED, WATERPROOF LOCATION OR PROVIDED WITH SECONDARY CONTAINMENT CAPABLE OF STORING THE TOTAL AMOUNT OF CHEMICALS STORED. SPILL CLEANUP MATERIALS MUST BE LOCATED WITHIN THE IMMEDIATE PROXIMITY OF THE MATERIALS AS WELL.
  16. PLACEMENT OF PORTA-POTTIES ON THE PROJECT WILL NOT BE LOCATED CLOSE TO STREAMS, WETLANDS, OR STORM DRAINS.
  17. NO VEHICLE MAINTENANCE OF CONSTRUCTION VEHICLES WILL OCCUR ONSITE.
  18. CONSTRUCTION MATERIALS WILL BE STAGED IN THE PARKING AREA BETWEEN THE BUILDING AND THE ENTRY DRIVE. FOR TRASH ON THE PROJECT, PROVIDE A TRASH RECEPTACLE WITH A LID. MAINTAIN THE MATERIAL STAGING AREA IN AN NEAT AND ORDERLY MANNER.
  19. CONTRACTOR SHALL INSTALL 4" THICK LAYER OF QUALITY TOPSOIL ON ALL DISTURBED AREAS AND ESTABLISH A THICK STAND OF GRASS ACCEPTABLE TO THE CITY OF CROSSVILLE SITE INSPECTOR.

KEVIN WILCOTT  
(1656/1981)



**WILL ROBINSON & ASSOCIATES**  
1248 N. Shorewood Ln  
Caryville, TN 37714  
(865) 386-4200  
will@wrracivil.com



A Site Plan for:  
**Dollar General**  
**Crossville 2**  
Hwy 70 at Blackberry Drive  
Crossville, TN

REVISIONS:  
05/31/2023 RESERVE STRIP NOTES

DRAWN: WNR  
CHECKED: WNR  
DATE: 05-22-2023  
FILE NAME:  
PROJECT NO:

**C1.2**  
EROSION CONTROL - 1  
DRAWING



# U.S. HIGHWAY (R/W VARIES)

## PERMANENT SEEDING RECOMMENDATIONS FOR HIGH MAINTENANCE AREAS (REGION III)

TDEC MANUAL TABLE 7.9-1 PREFERRED SEED MIXTURES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES

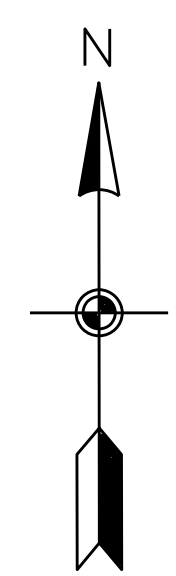
ZONE	BEST	MARGINAL	RATEMIX (LB/ACRE)	
REGION III	<2500 FT ELEV. HIGH MAINTENANCE	AUG 15 - SEPT 1 MAR 1 - APR 1	SEPT 1 - SEPT 15 APR 1 - JUNE 10	15 BROWNTOP MILLET (NURSE CROP) 45 RED FESCUE 45 HARD FESCUE 25 CHEWING FESCUE

TDEC MANUAL TABLE 7.9-2 ALLOWABLE SEED MIXES AND PLANTING DATES

ZONE	BEST	MARGINAL	RATEMIX (LB/ACRE)	
REGION III	<2500 FT ELEV. HIGH MAINTENANCE	AUG 15 - SEPT 1 MAR 1 - APR 1	JULY 25 - AUG 15 SEPT 1 - SEPT 15 APR 1 - MAY 10	200 KY 31 FESCUE

### CONSTRUCTION SEQUENCE OF EVENTS:

1. INSTALL EROSION CONTROL MEASURES
2. SITE CLEARING AND GRUBBING
3. SITE DEMOLITION
4. SITE ROUGH GRADING
5. TEMPORARY SEEDING
6. FOUNDATION CONSTRUCTION
7. SLAB CONSTRUCTION
8. WALL/ROOF SYSTEM CONSTRUCTION
9. EXTERIOR/INTERIOR FINISH
10. PARKING LOT PAVING
11. FINISH GRADING
12. PERMANENT SEEDING/LANDSCAPING
13. SITE CLOSEOUT/LONG TERM MAINTENANCE



SCALE  
0 20 40 FEET  
SCALE: 1" = 20'

### LEGEND:

EXISTING	PROPOSED	
535	535	GROUND CONTOUR ELEVATION
535.25'	535.25'	SPOT ELEVATION
[Symbol]	[Symbol]	STRUCTURE
[Symbol]	NA	PROPERTY LINE
[Symbol]	NA	EASEMENT
[Symbol]	[Symbol]	EDGE OF PAVEMENT
SD	SD	STORM DRAIN
SS	SS	SANITARY SEWER
PW	PW	POTABLE WATER
NG	NG	NATURAL GAS
OE	OE	OVERHEAD ELECTRICAL
⊙	⊙	WATER METER
⊕	⊕	FIRE HYDRANT
NA	NA	SURFACE FLOW
NA	NA	SILT FENCING
[Symbol]	[Symbol]	CURB
[Symbol]	[Symbol]	CATCH BASIN
NA	[Symbol]	CONCRETE PAVEMENT
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MANHOLE  
38.7  
25.4

SANITARY MANHOLE  
RIM EL=1818.7  
RIM EL=1812.6

CONTINUE RIP RAP DITCH WITH GEOTEXTILE FABRIC UNDERLAMENT

GRADING AND CONSTRUCTION EASEMENT TO BE OBTAINED BY DEVELOPER PRIOR TO WORK IN RECORDED RESERVE STRIP. CONTRACTOR SHALL NOT DISTURB THIS AREA IN ANY WAY WITHOUT RECORDED EASEMENT. EVERGREEN SCREENING WITHIN RESERVE STRIP TO BE INSTALLED PER AGREEMENT WITH CONTROLLING PARTY OF RESERVE STRIP.

CONSTRUCTION ENTRANCE SEE 1C2.2  
LIMIT OF DISTURBED AREA: 1.94 ACRE

EROSION CONTROL MAT SEE 3C2.2

OUTLET PROTECTION SEE 6C2.2  
SILT FENCE SEE 6C2.2  
LIMIT OF DISTURBED AREA: 1.94 ACRE

INLET PROTECTION SEE 6C2.2

EROSION CONTROL MAT SEE 3C2.2

LIMIT OF WETLAND DEFINED BY DEOS GENERAL PERMIT APPLICABLE FOR TO AFTER

PROJECT OUTFALL

LIMIT OF DISTURBED AREA: 1.94 ACRE  
SILT FENCE SEE 6C2.2

PROPOSED BUILDING  
FFE 1832.36

ASPHALT

GAS MARKING

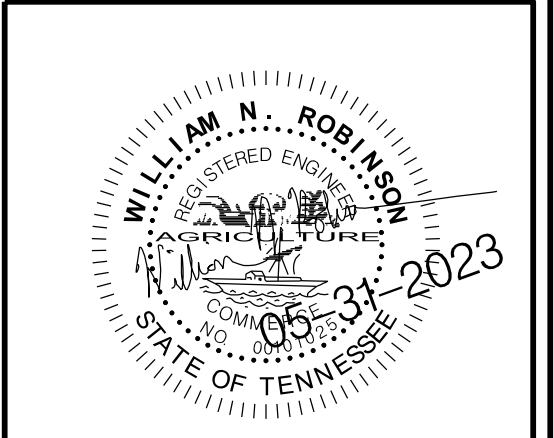
LIMIT OF DISTURBED AREA: 1.94 ACRE  
6" PVC

GRAVEL DRIVE

KEVIN WILCOTT  
(1656/1981)

RING

**WILL ROBINSON & ASSOCIATES**  
1248 N. Shorewood Ln  
Caryville, TN 37714  
(865) 386-4200  
will@wractivl.com



A Site Plan for:  
**Dollar General**  
**Crossville 2**  
Hwy 70 at Blackberry Drive  
Crossville, TN

REVISIONS:  
05/31/2023 RESERVE STRIP NOTES

DRAWN: WNR  
CHECKED: WNR  
DATE: 05-22-2023  
FILE NAME:  
PROJECT NO:

**C1.3**  
EROSION CONTROL - 2  
DRAWING



**U.S. HIGHWAY**  
(R/W VARIES)

**ASPHALT**

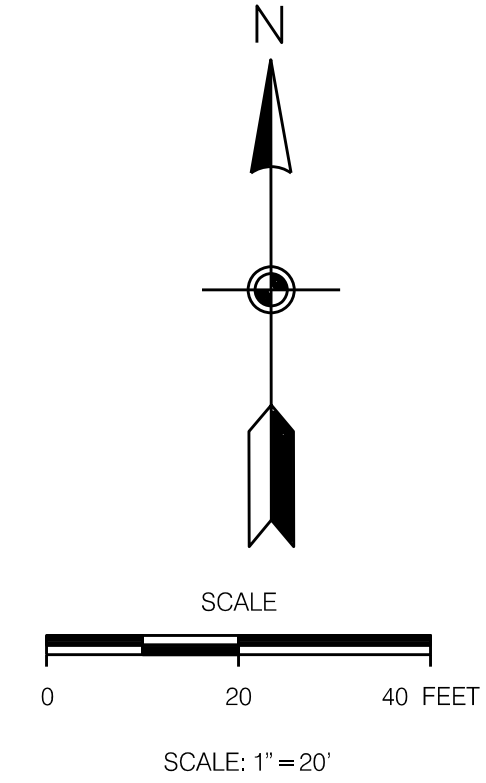
**6" PVC**

**GRAVEL DRIVE**

**BLACKBERRY DRIVE**

**SANITARY MANHOLE**  
RIM EL=1818.7  
RIM EL=1812.6

**MANHOLE**  
38.7  
25.4



**LEGEND:**

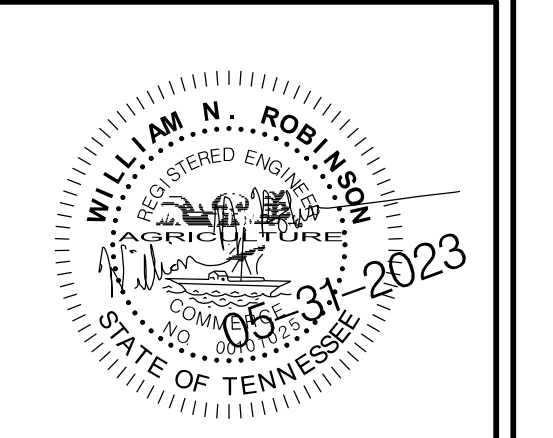
EXISTING	PROPOSED	
		GROUND CONTOUR ELEVATION
		SPOT ELEVATION
		STRUCTURE
		PROPERTY LINE
		EASEMENT
		EDGE OF PAVEMENT
		STORM DRAIN
		SANITARY SEWER
		POTABLE WATER
		NATURAL GAS
		OVERHEAD ELECTRICAL
		WATER METER
		FIRE HYDRANT
		SURFACE FLOW
		SILT FENCING
		CURB
		CATCH BASIN
		CONCRETE PAVEMENT
		ASPHALT PAVEMENT
		RIP RAP

**SITE GRADING NOTES**

- SITE BENCHMARK: CONTACT SURVEYOR FOR LOCATION AND ELEVATION OF SITE BENCHMARK BASIS NAVD88.
- SITE BOUNDARY AND TOPOGRAPHIC INFORMATION IS BASED ON A SURVEY BY PINNACLE LAND SURVEYING DATED 02/2023. THE GRADING CONTRACTOR SHALL VERIFY CONDITIONS AND INFORM THE ENGINEER OF ANY DISCREPANCIES. THE ARCHITECT AND THE ENGINEER ACCEPT NO RESPONSIBILITY FOR THE ACCURACY AND/OR COMPLETENESS OF EXISTING CONDITIONS INFORMATION PROVIDED BY OTHERS.
- UTILITY INFORMATION IS BASED ON INFORMATION OBTAINED FROM THE UTILITY PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACCURACY OF THIS INFORMATION.
- CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES INCLUDING SILT FENCE, RIP RAP AND EROSION CONTROL MAT AS SOON AS PRACTICAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE STRUCTURES UNTIL THE SITE HAS BEEN SUFFICIENTLY STABILIZED.
- THE CONTRACTOR SHALL EMPLOY SOILS CONSULTANTS FOR THE TESTING OF SOIL COMPACTION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. SOIL SHALL BE COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD. SOIL MOISTURE CONTENT SHALL BE MAINTAINED WITHIN +/- 3% OF OPTIMUM.
- THIS PROJECT MAY INVOLVE IMPORT OR WASTE OF FILL MATERIAL. THE CONTRACTOR SHALL REVIEW THIS PLAN, THE SITE SURVEY, AND INSPECT THE SITE ITSELF. THE CONTRACTOR SHALL THEN FORMULATE HIS OWN OPINION AS TO THE APPLICABILITY OF THIS PLAN TO THE GOAL OF AN ECONOMICALLY OPTIMAL SITE. CONTACT THE ENGINEER IF CHANGES TO THIS GRADING PLAN ARE REQUIRED TO MEET THIS GOAL.
- ALL SLOPES GREATER THAN 3:1 SHALL BE SPREAD WITH NORTH AMERICAN GREEN S-71 EROSION CONTROL FABRIC. INSTALL FABRIC PER MANUFACTURERS RECOMMENDATIONS.
- NO SLOPES SHALL BE GREATER THAN 2 HORIZONTAL : 1 VERTICAL.
- APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OR EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.
- 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.
- EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL FOLLOW THE APPROVED PLAN DETAILS. IF DETAILS ARE NOT SHOWN, REFERENCE THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- SLOPES SHALL HAVE EROSION CONTROL MAT INSTALLED IMMEDIATELY AFTER SLOPE GRADING IS COMPLETED AND TOPSOIL HAS BEEN INSTALLED TO ENCOURAGE 'LOCK IN' OF EROSION MAT.
- THIS IS A PRIORITY CONSTRUCTION ACTIVITY.
- ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, AND/OR OTHER STORMWATER BEST MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR CONTRACTOR.
- CONTRACTOR SHALL STORE CHEMICALS AND SOLUBLE MATERIALS IN AN ENCLOSED, WATERPROOF LOCATION OR PROVIDED WITH SECONDARY CONTAINMENT CAPABLE OF STORING THE CONTENTS OF THE TOTAL AMOUNT OF CHEMICALS STORED. SPILL CLEANUP MATERIALS MUST BE LOCATED WITHIN THE IMMEDIATE PROXIMITY OF THE MATERIALS AS WELL.
- PLACEMENT OF PORTA-POTTIES ON THE PROJECT WILL NOT BE LOCATED CLOSE TO STREAMS, WETLANDS, OR STORM DRAINS.
- NO VEHICLE MAINTENANCE OF CONSTRUCTION VEHICLES WILL OCCUR ONSITE.
- CONSTRUCTION MATERIALS WILL BE STAGED IN THE PARKING AREA BETWEEN THE BUILDING AND THE ENTRY DRIVE. FOR TRASH ON THE PROJECT, PROVIDE A TRASH RECEPTACLE WITH A LID. MAINTAIN THE MATERIAL STAGING AREA IN A NEAT AND ORDERLY MANNER.
- CONTRACTOR SHALL INSTALL 4" THICK LAYER OF QUALITY TOPSOIL ON ALL DISTURBED AREAS AND ESTABLISH A THICK STAND OF GRASS ACCEPTABLE TO THE CITY OF CROSSVILLE SITE INSPECTOR.

KEVIN WILCOTT  
(1656/1981)

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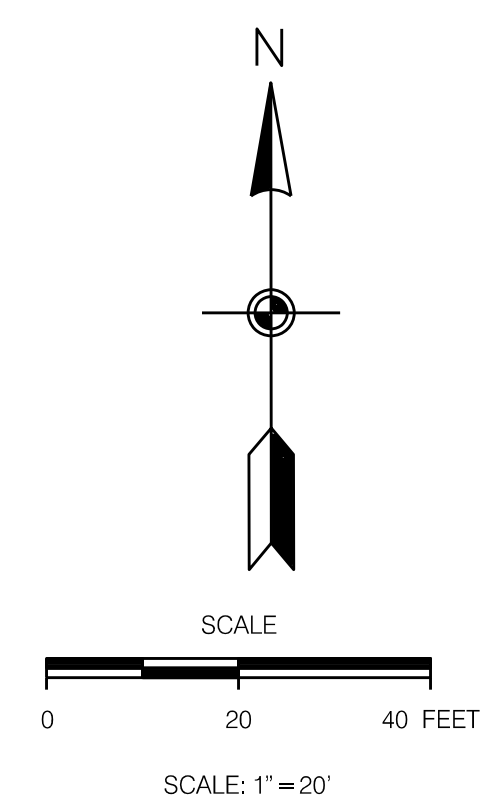
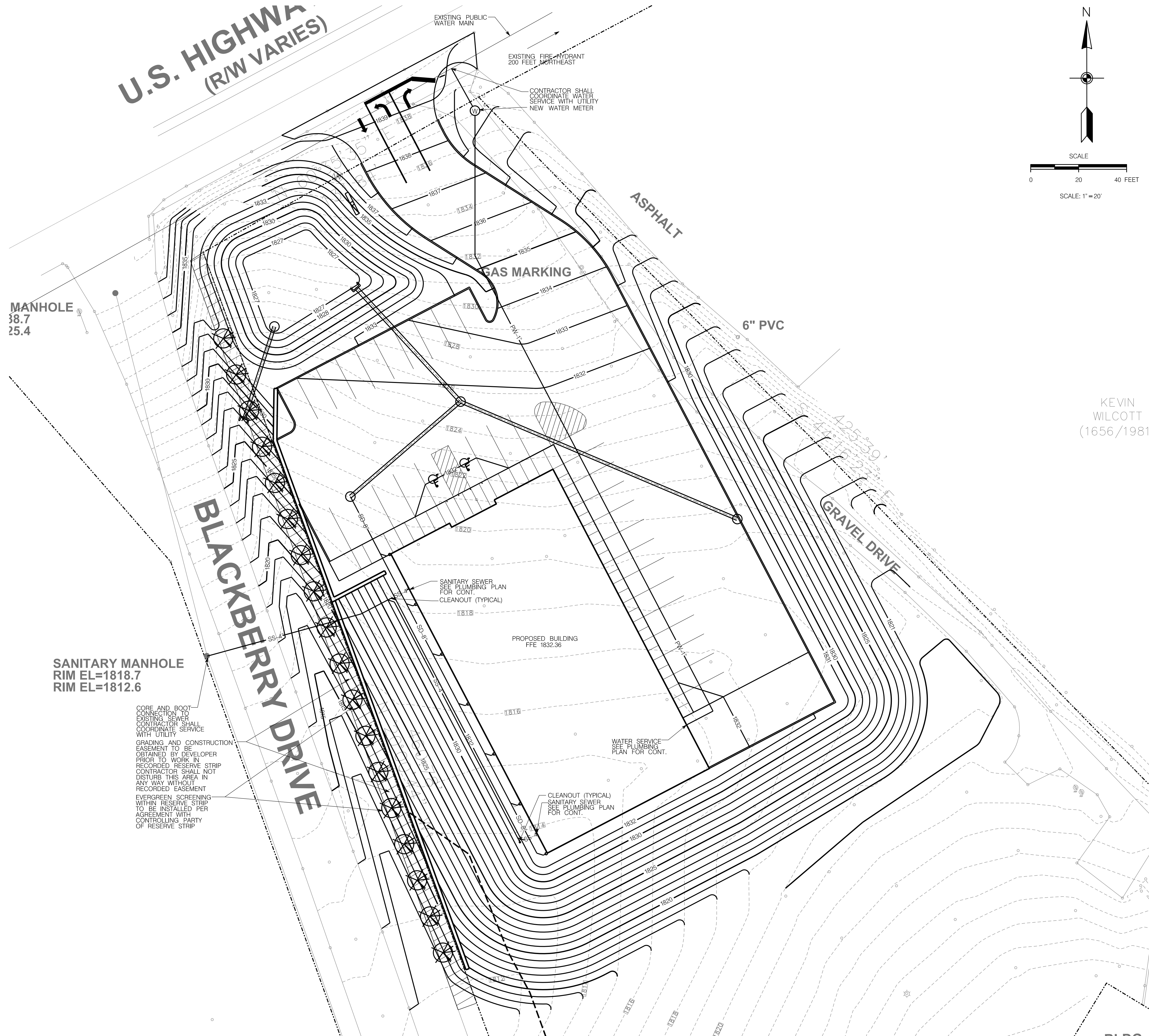
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**C1.4**  
SITE GRADING PLAN  
DRAWING



**U.S. HIGHWAY**  
(R/W VARIES)



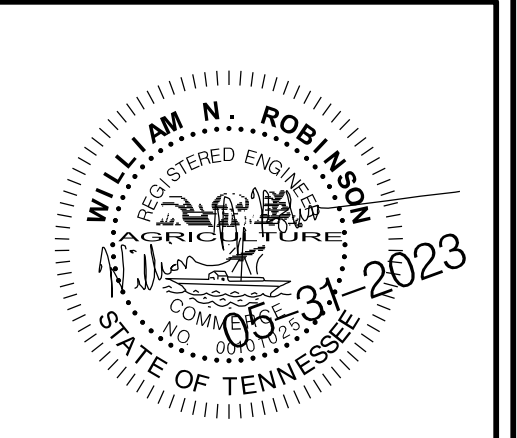
**LEGEND:**

EXISTING	PROPOSED	
535	535	GROUND CONTOUR ELEVATION
535.25'	535.25'	SPOT ELEVATION
[Symbol]	[Symbol]	STRUCTURE
[Symbol]	[Symbol]	PROPERTY LINE
[Symbol]	[Symbol]	EASEMENT
[Symbol]	[Symbol]	EDGE OF PAVEMENT
SD	SD	STORM DRAIN
SS	SS	SANITARY SEWER
PW	PW	POTABLE WATER
NG	NG	NATURAL GAS
OE	OE	OVERHEAD ELECTRICAL
(W)	(W)	WATER METER
(H)	(H)	FIRE HYDRANT
NA	[Symbol]	SURFACE FLOW
NA	[Symbol]	SILT FENCING
[Symbol]	[Symbol]	CURB
[Symbol]	[Symbol]	CATCH BASIN
NA	[Symbol]	CONCRETE PAVEMENT
NA	[Symbol]	ASPHALT PAVEMENT
NA	[Symbol]	RIP RAP

- SITE UTILITY NOTES**
1. SITE BOUNDARY AND TOPOGRAPHIC INFORMATION IS BASED ON A SURVEY BY PINNACLE LAND SURVEYING DATED 02/2023. THE CONTRACTOR SHALL VERIFY CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES. THE ARCHITECT AND THE ENGINEER ACCEPT NO RESPONSIBILITY FOR THE ACCURACY AND/OR COMPLETENESS OF EXISTING CONDITIONS INFORMATION PROVIDED BY OTHERS.
  2. UTILITY INFORMATION IS BASED ON INFORMATION OBTAINED FROM THE UTILITY PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACCURACY OF THIS INFORMATION.
  3. SANITARY SEWER SERVICE: SITE SANITARY SEWER SERVICE SHALL BE BY GRAVITY SEWER TO THE CITY SEWER SYSTEM. GRAVITY SEWER SHALL BE 4" SDR-26 PVC AT MIN 2% SLOPE.
  4. WATER SERVICE SHALL CONSIST OF 1.0" PEX WATER LINE. MINIMUM COVER SHALL BE 18".
  5. NO NATURAL GAS SERVICE PROPOSE FOR THIS FACILITY.

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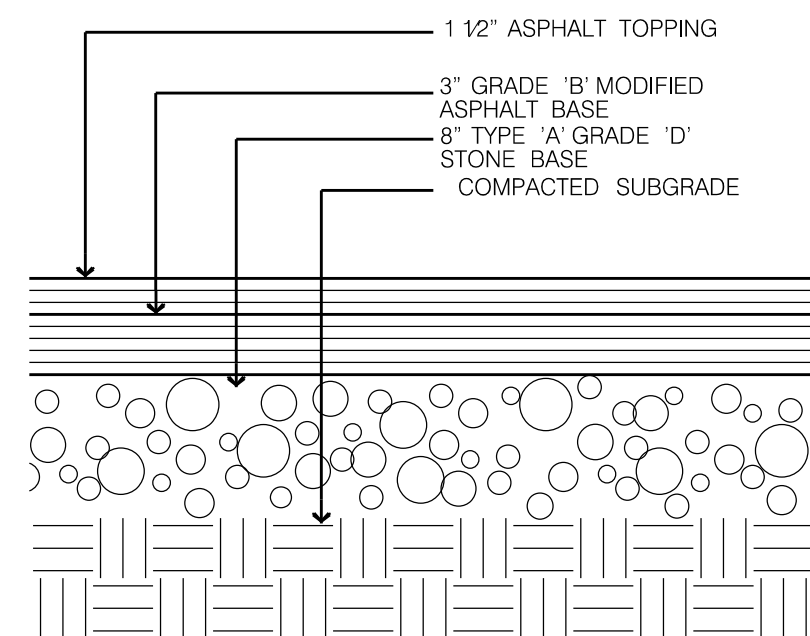
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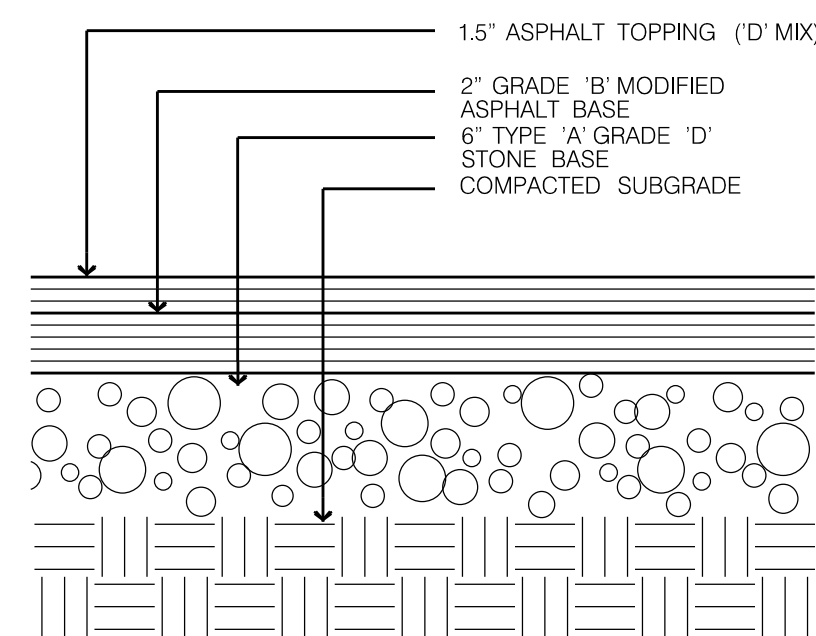
**C1.5**  
SITE UTILITY PLAN  
DRAWING

CORE AND BOOT CONNECTION TO EXISTING SEWER. CONTRACTOR SHALL COORDINATE SERVICE WITH UTILITY. GRADING AND CONSTRUCTION EASEMENT TO BE OBTAINED BY DEVELOPER PRIOR TO WORK IN RECORDED RESERVE STRIP. CONTRACTOR SHALL NOT DISTURB THIS AREA IN ANY WAY WITHOUT RECORDED EASEMENT WITHIN RESERVE STRIP TO BE INSTALLED PER AGREEMENT WITH CONTROLLING PARTY OF RESERVE STRIP.

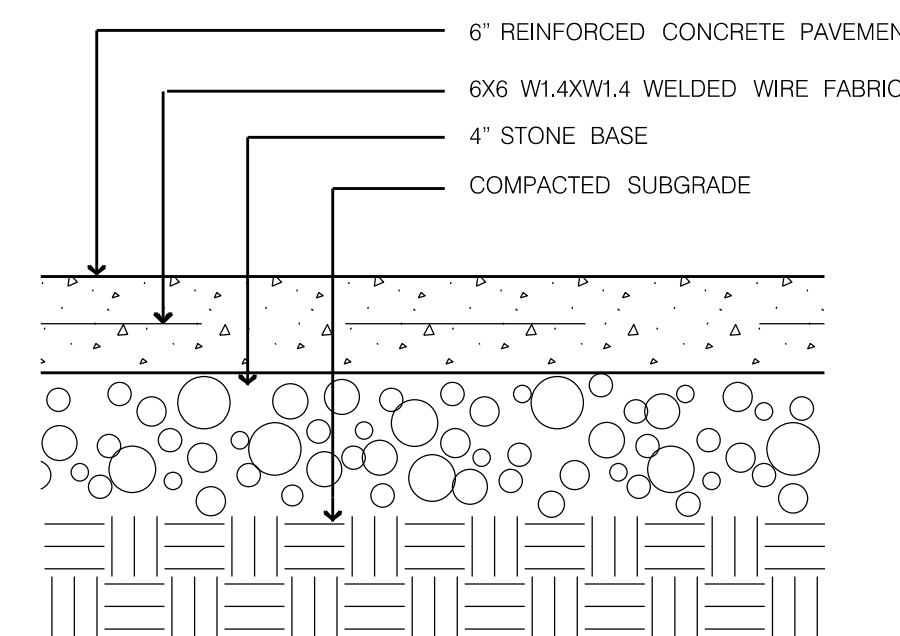
**SANITARY MANHOLE**  
RIM EL=1818.7  
RIM EL=1812.6



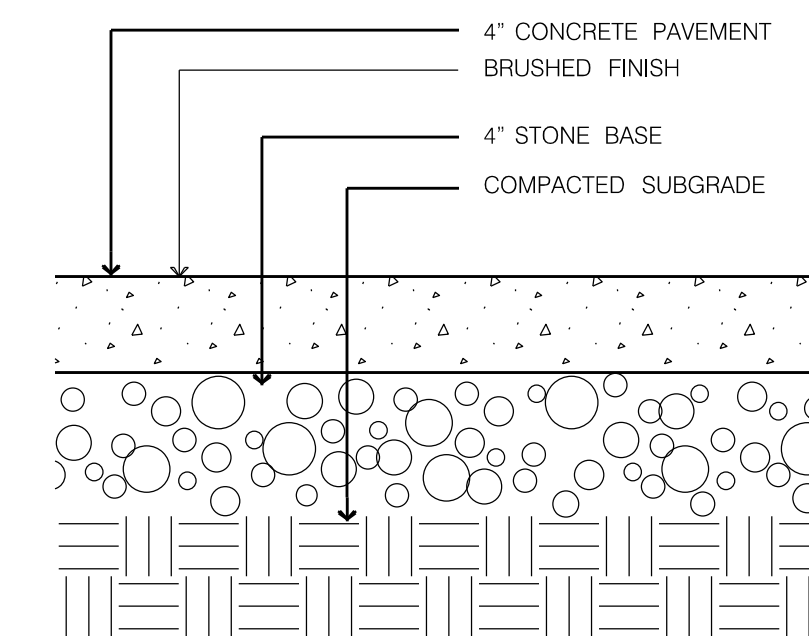
1 HEAVY DUTY PAVING SECTION  
C2.1 NOT TO SCALE



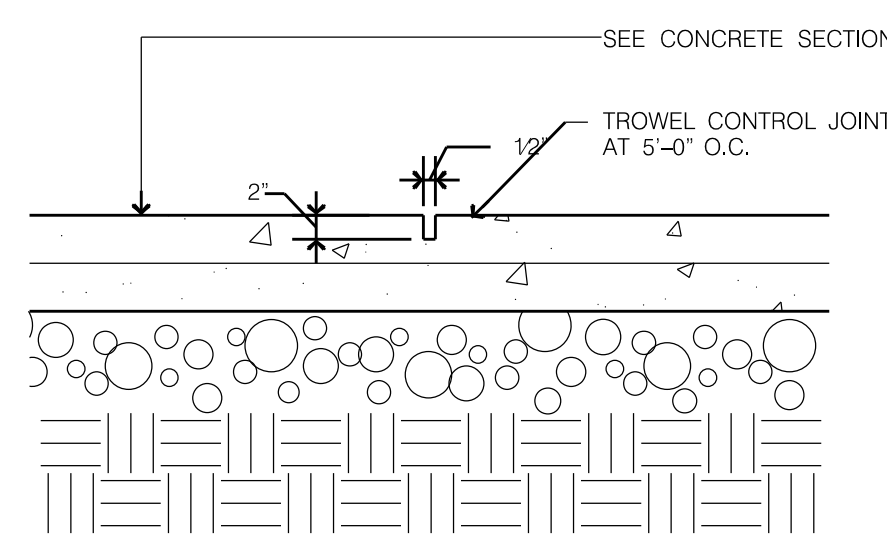
2 LIGHT DUTY PAVING SECTION  
C2.1 NOT TO SCALE



3 TYPICAL CONCRETE PAVING SECTION  
C2.1 NOT TO SCALE

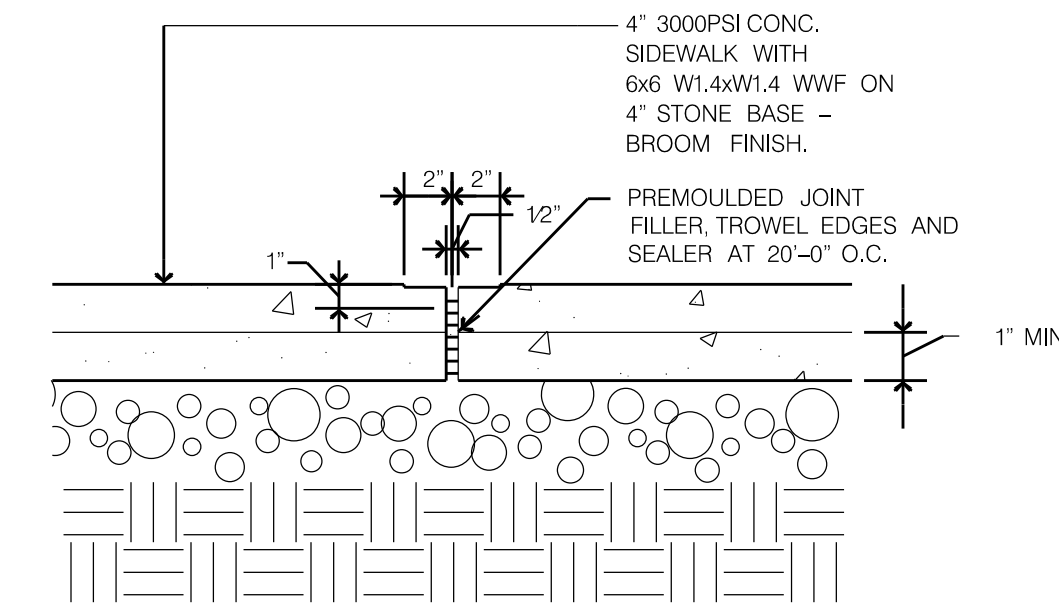


4 TYPICAL SIDEWALK SECTION  
C2.1 NOT TO SCALE



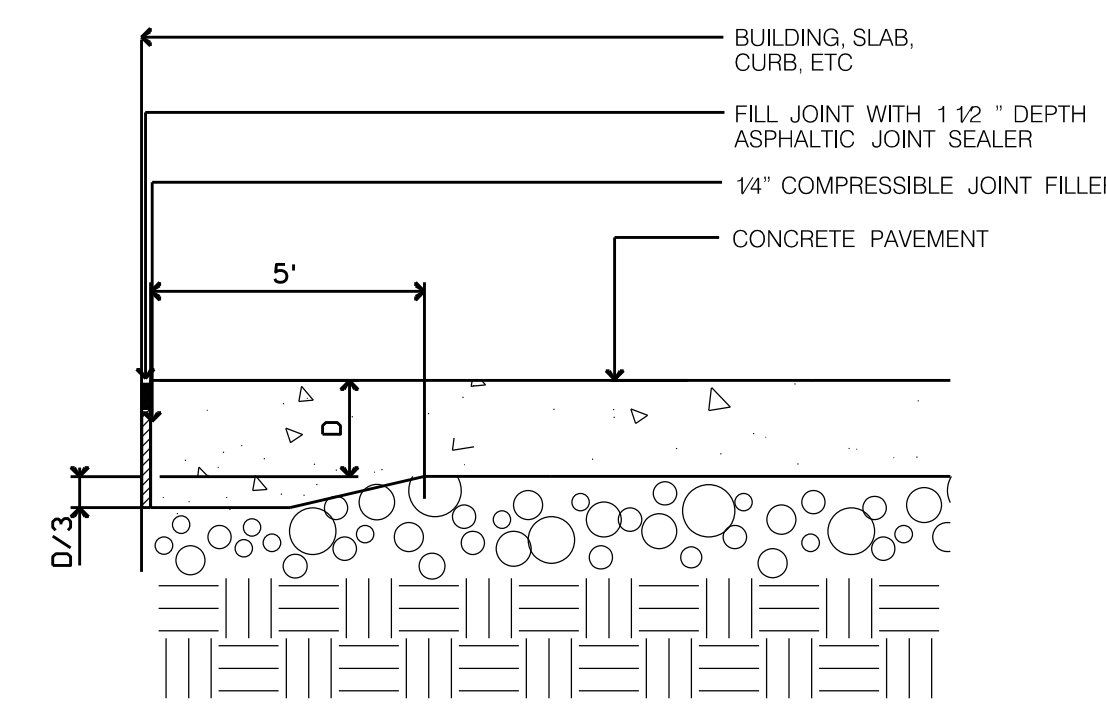
NOTE: PLACE CONTROL JOINTS AT 5'-0" O.C., APPROXIMATE CONTROL JOINT PATTERN IS INDICATED ON THE SITE PLAN

5 CONTROL JOINT DETAIL  
C2.1 NOT TO SCALE



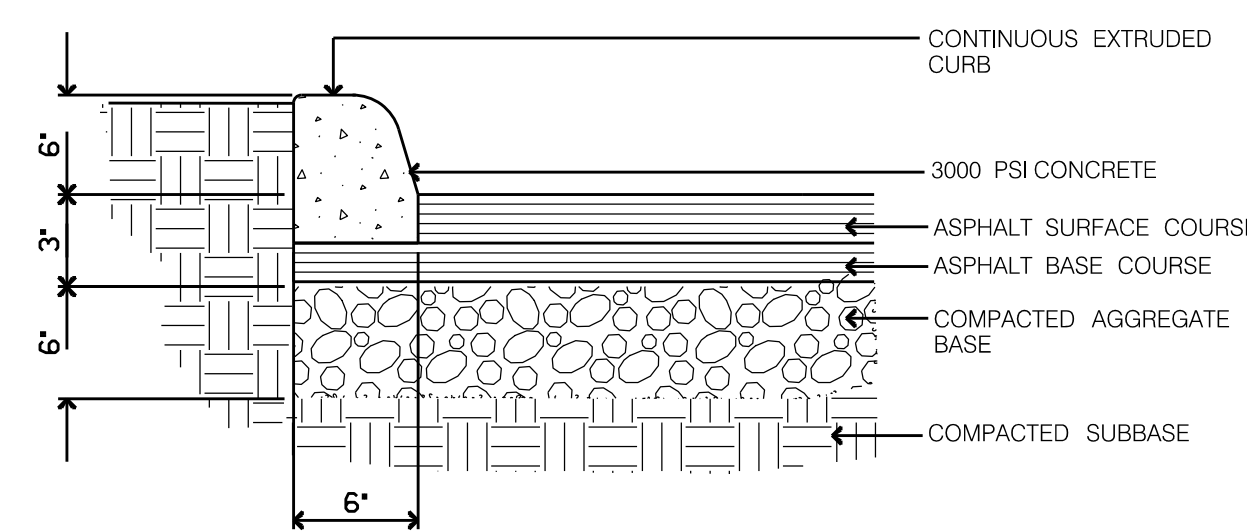
NOTE: PLACE EXPANSION JOINTS AT MIN 25' O.C. OR BETWEEN DAYS POURS, WHICHEVER IS CLOSER

6 EXPANSION JOINT DETAIL  
C2.1 NOT TO SCALE

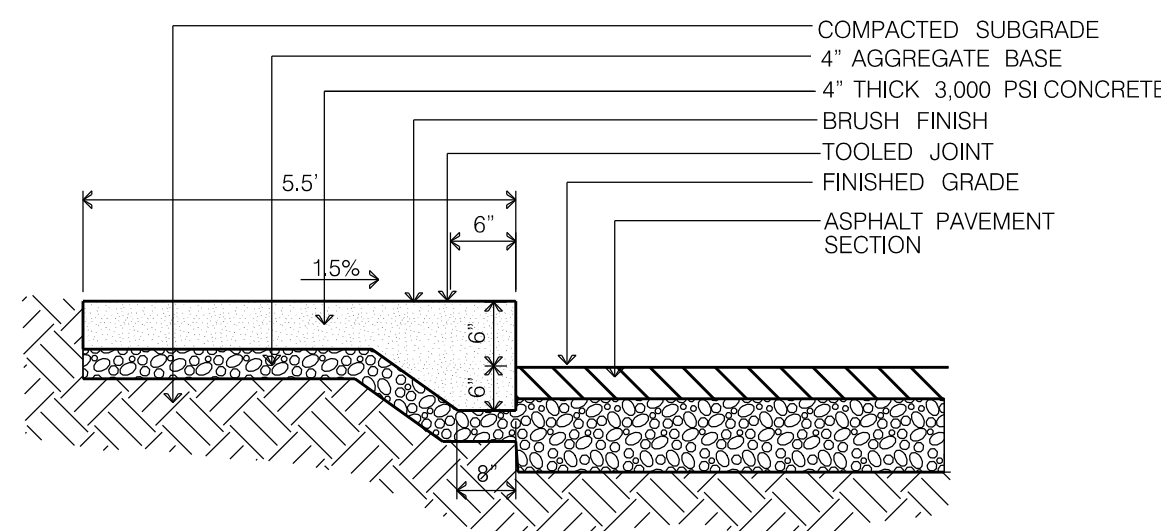


NOTE: PLACE THICKENED EDGE AT ALL EDGES OF SIDEWALK, ADJACENT TO STRUCTURES AND ADJACENT TO OTHER EXISTING CONCRETE

7 THICKENED EDGE DETAIL  
C2.1 NOT TO SCALE

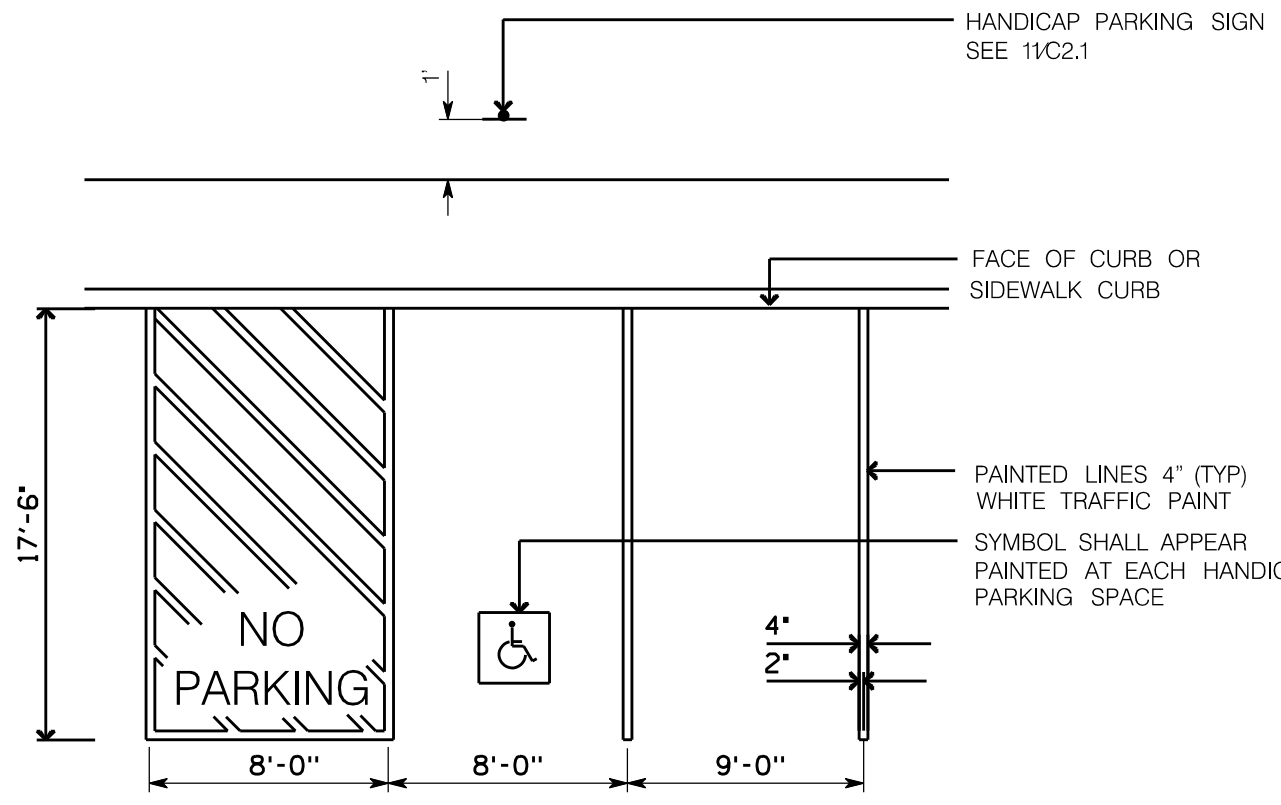


8 TYPICAL CURB  
C2.1 NOT TO SCALE

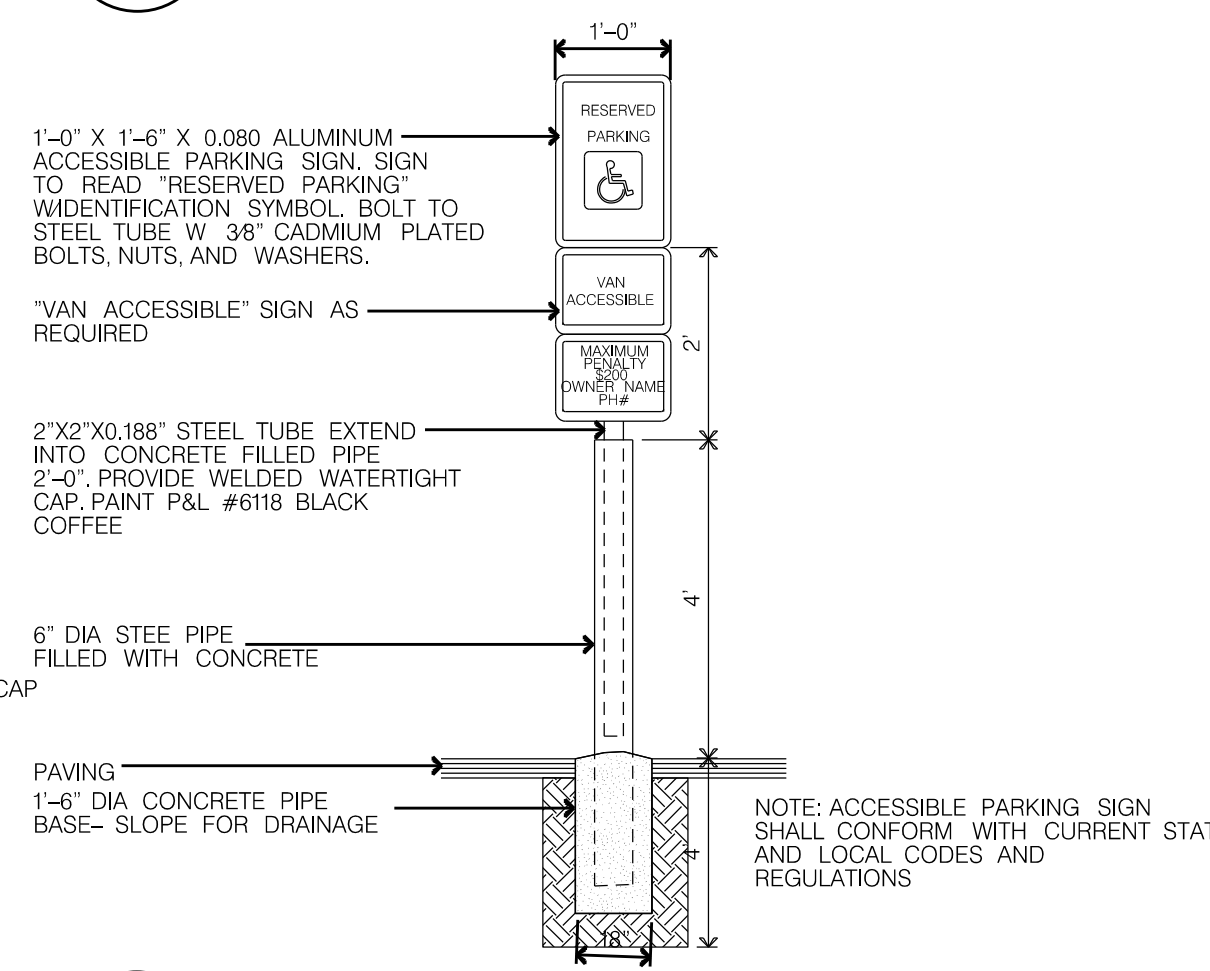


NOTES:  
PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 30' MAX CENTERS EQUALLY SPACED 1/4" CONTRACTION JOINTS AT 10' MAX CENTERS BETWEEN EXPANSION JOINTS.  
EXACT CURB DIMENSIONS MAY BE ALTERED SLIGHTLY TO FIT STANDARD EXTRUDED CURB MACHINES, BUT SUCH VARIANCES MUST BE APPROVED BY THE ENGINEER.  
MAX SLOPE FOR RAMPS SHALL BE 12:1 IN ACCORDANCE WITH ADA REQUIREMENTS.

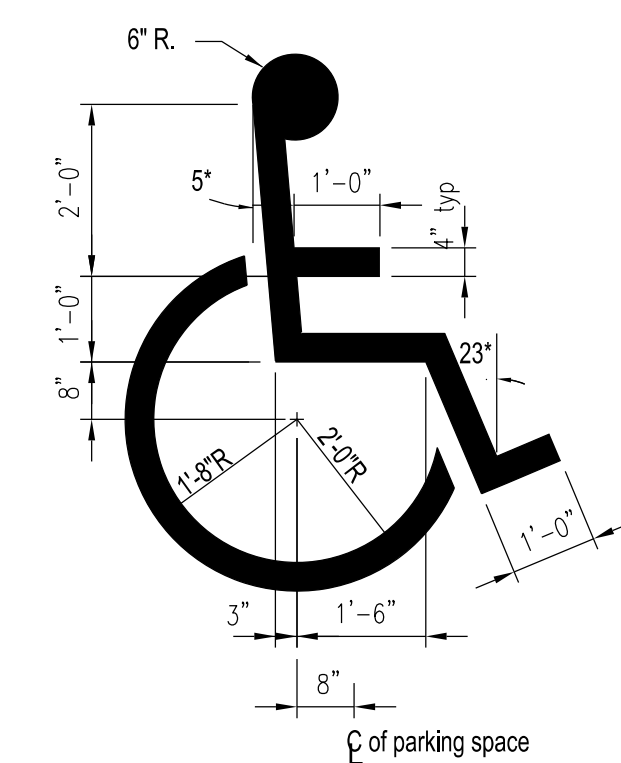
9 SIDEWALK WITH INTEGRAL CURB  
C2.1 NOT TO SCALE



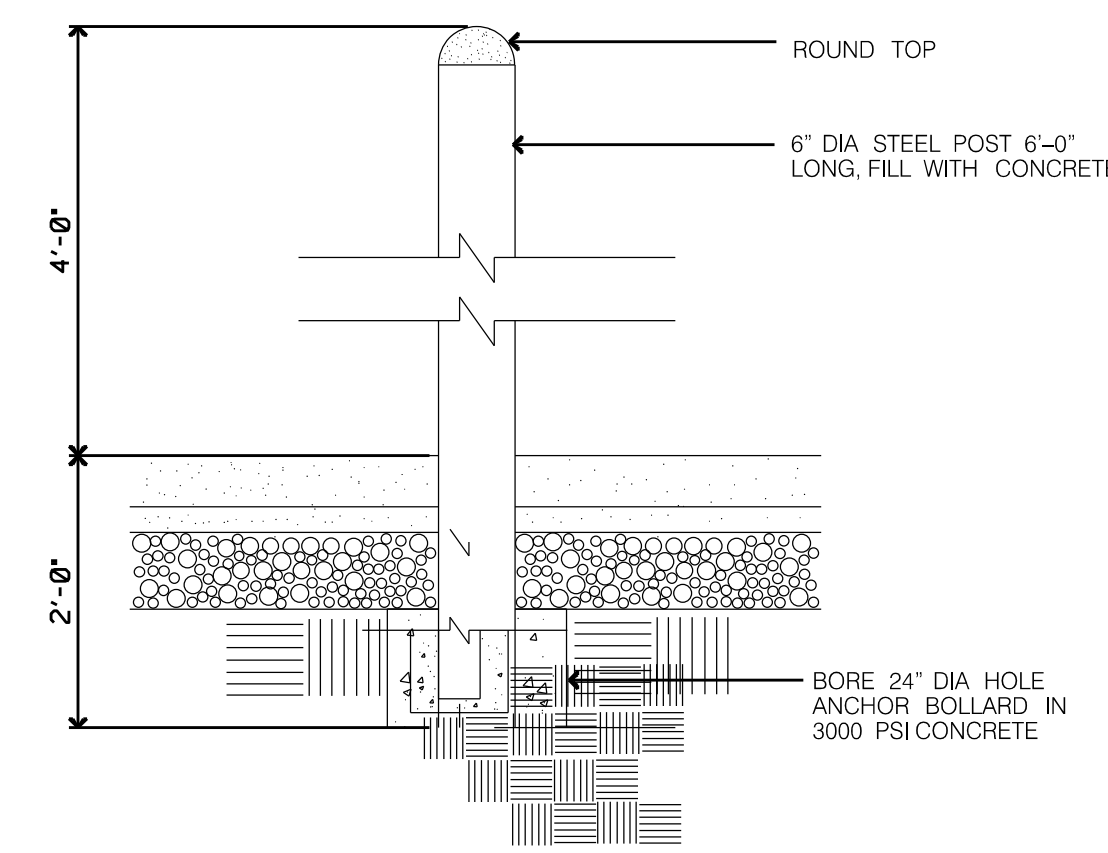
10 TYPICAL PARKING SPACE DETAIL  
C2.1 NOT TO SCALE



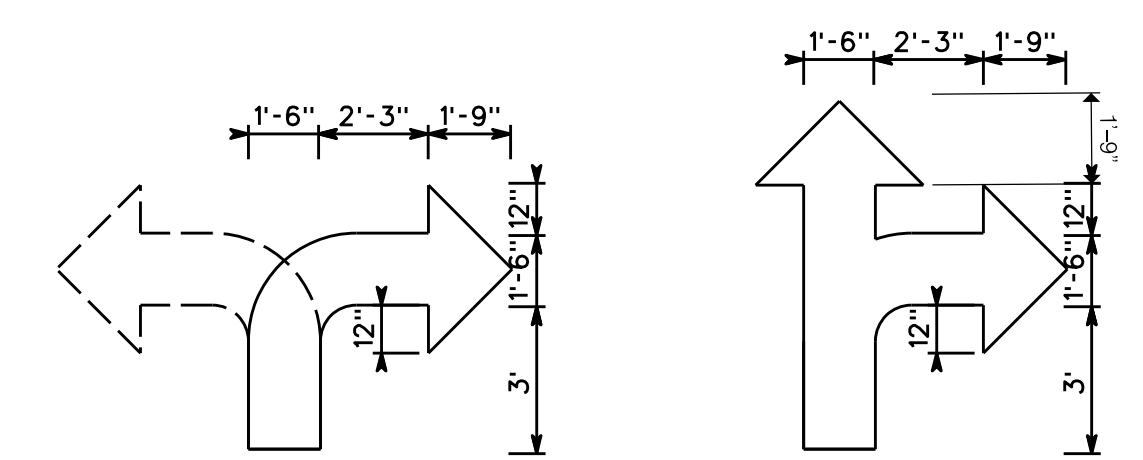
11 ACCESSIBLE PARKING SIGN  
C2.1 NOT TO SCALE



12 ACCESSIBILITY SYMBOL  
C2.1 NOT TO SCALE

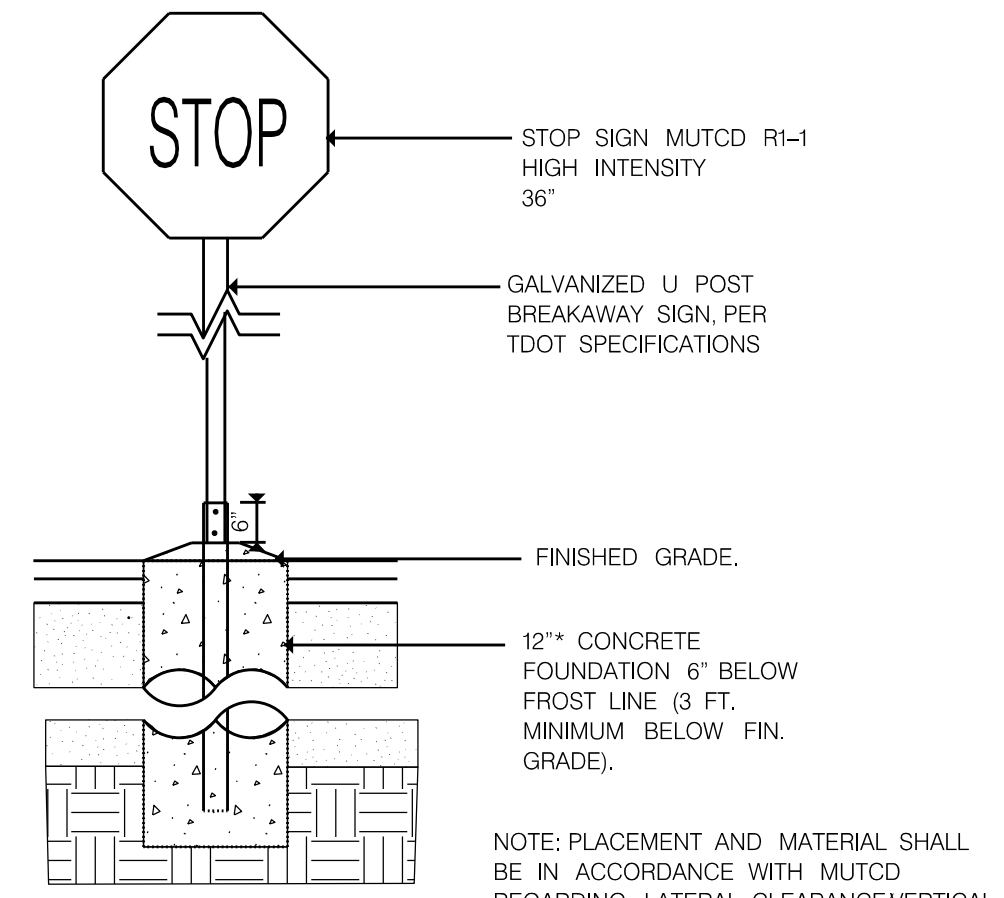


13 BOLLARD DETAIL  
C2.1 NOT TO SCALE



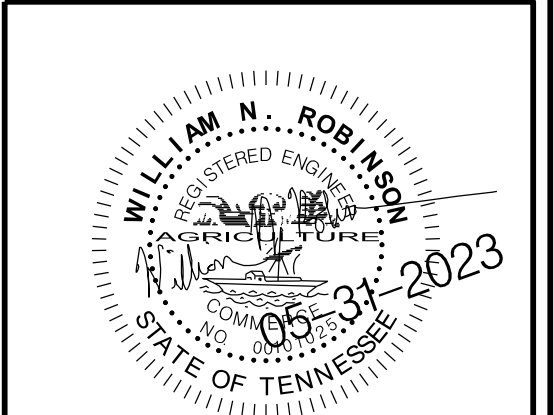
NOTES:  
1. THERMOPLASTIC COLOR TO BE "WHITE" FOR ARROW

14 PAVEMENT PAINTING  
C2.1 NOT TO SCALE



15 STOP SIGN  
C2.1 NOT TO SCALE

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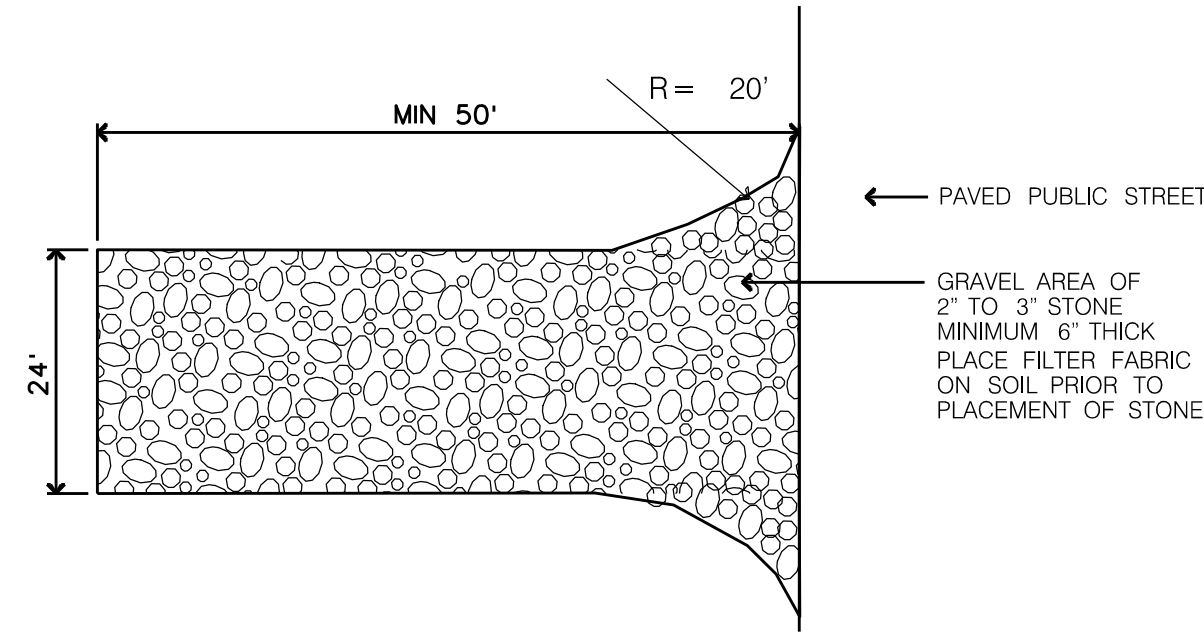
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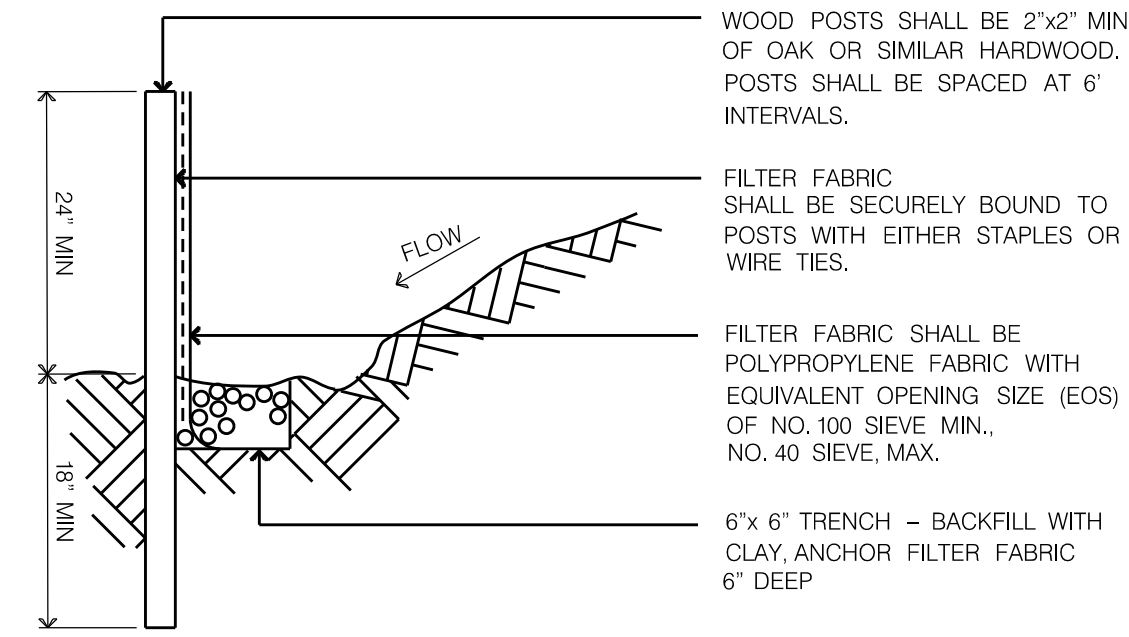
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**C2.1**  
SITE DETAILS - 1  
DRAWING

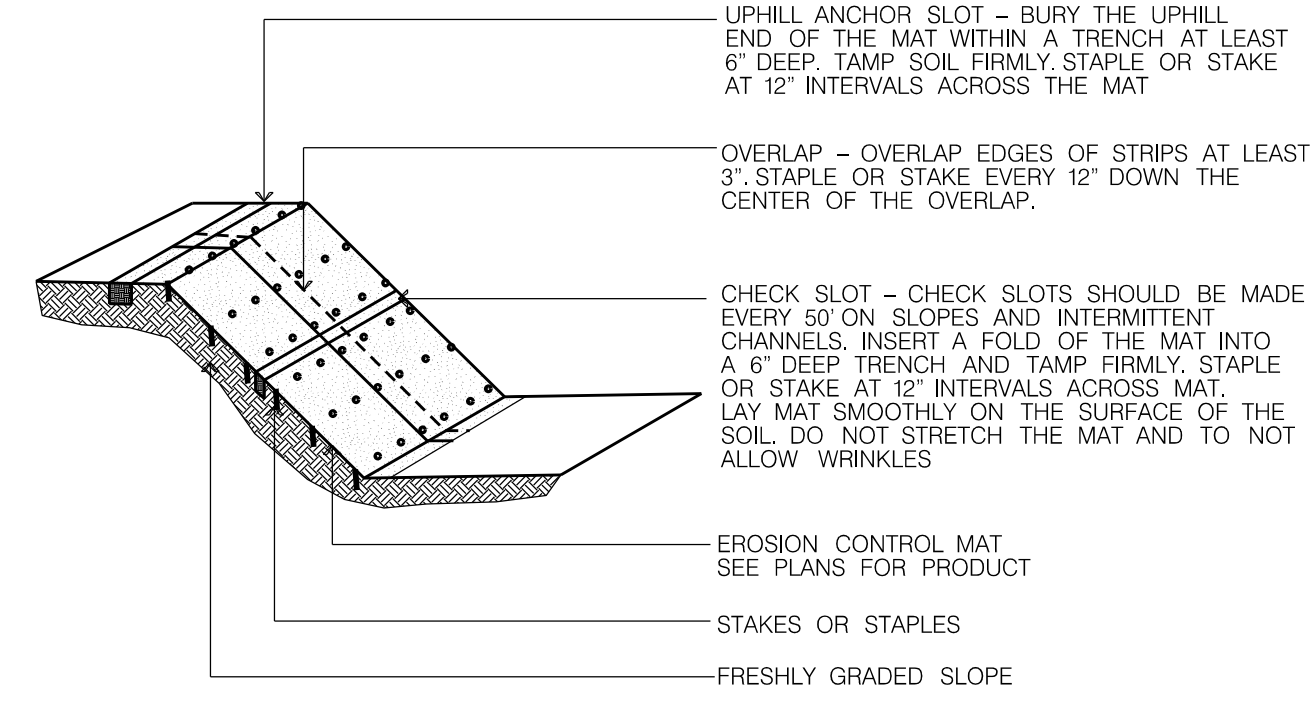




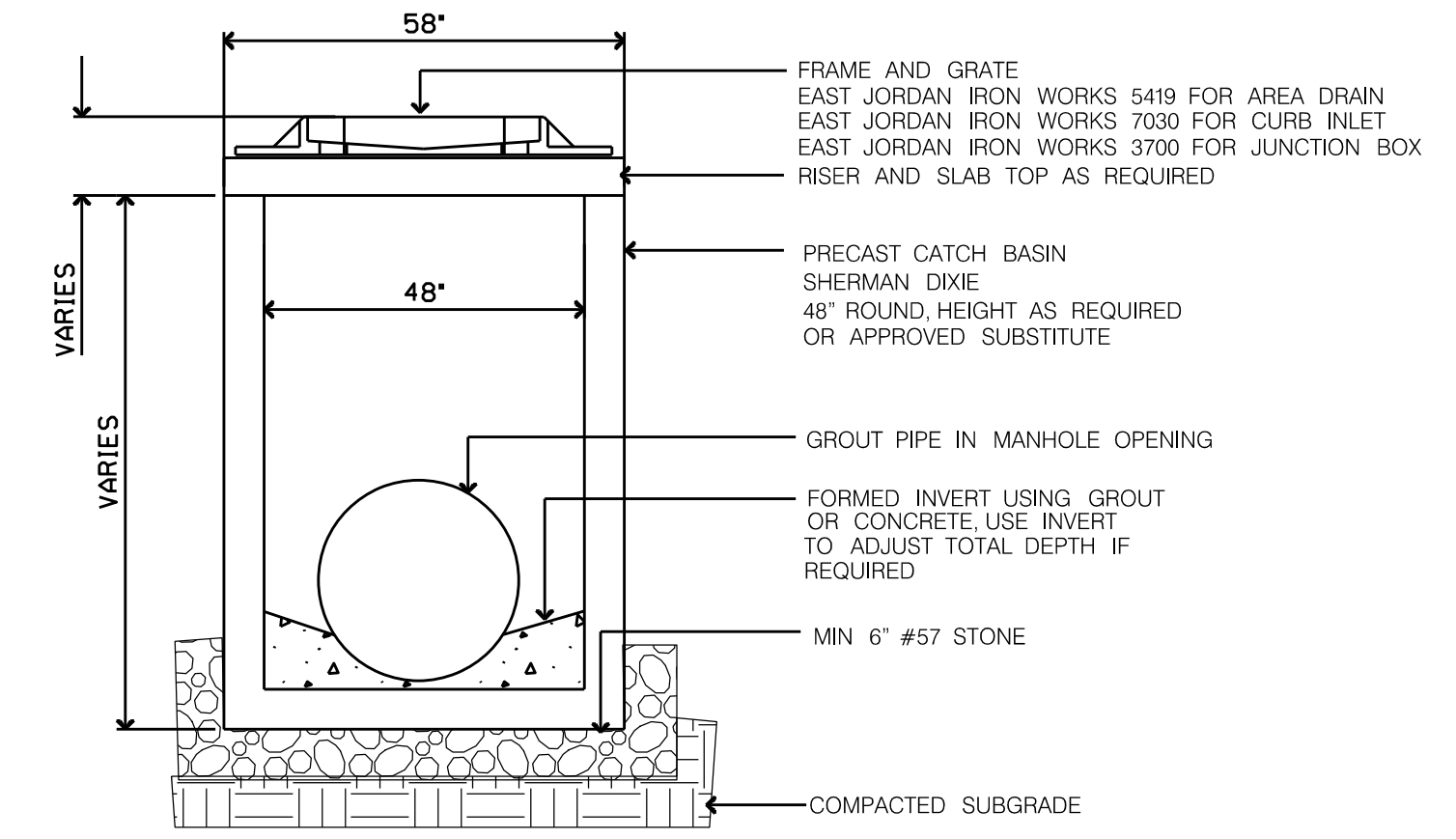
**1** CONSTRUCTION ENTRANCE DETAIL  
C2.2 NOT TO SCALE



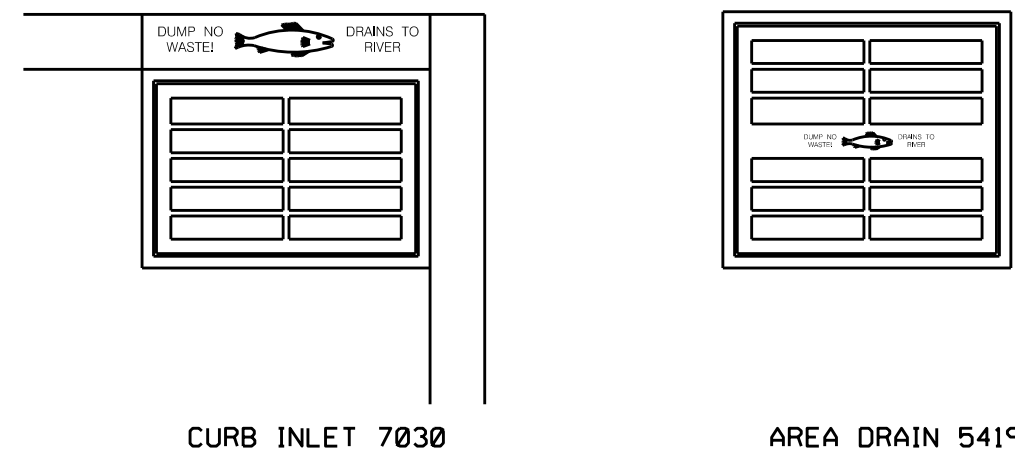
**2** SILT FENCE DETAIL  
C2.2 NOT TO SCALE



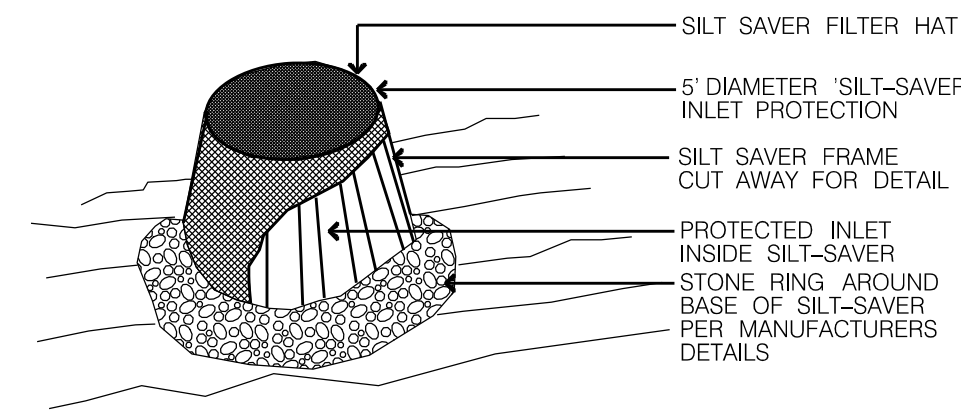
**3** EROSION MAT INSTALLATION  
C2.2 NOT TO SCALE



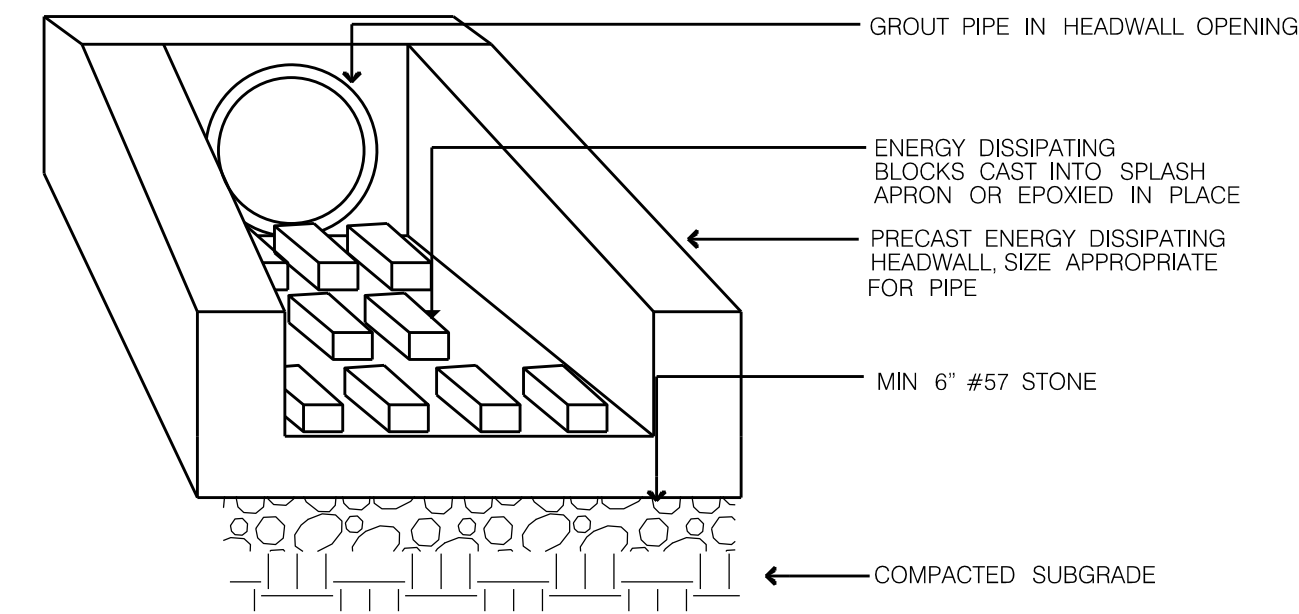
**4** 48" ROUND CATCH BASIN DETAIL  
C2.2 NOT TO SCALE



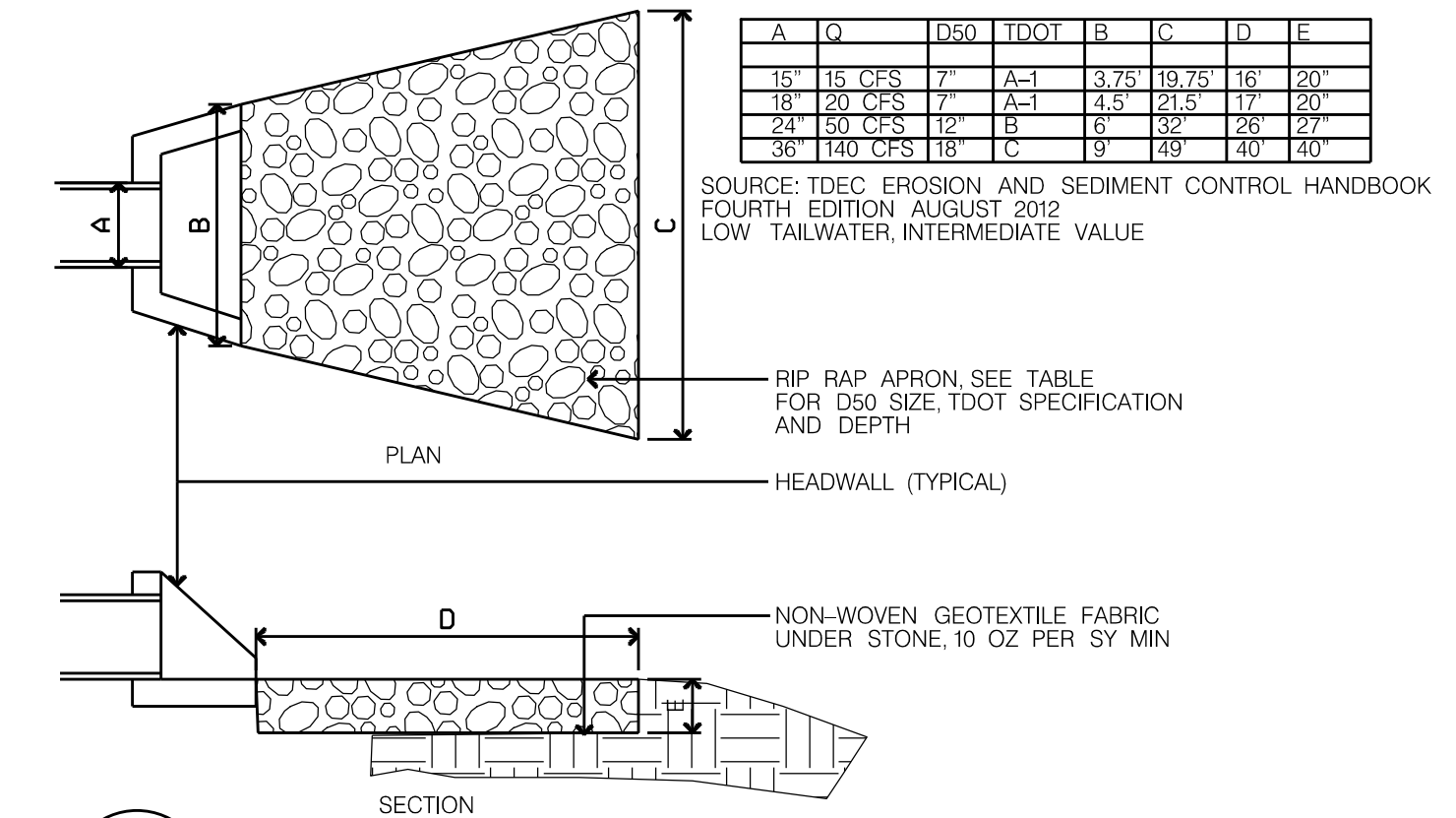
**5** ENVIRONMENTAL MESSAGE DETAIL  
C2.2 NOT TO SCALE



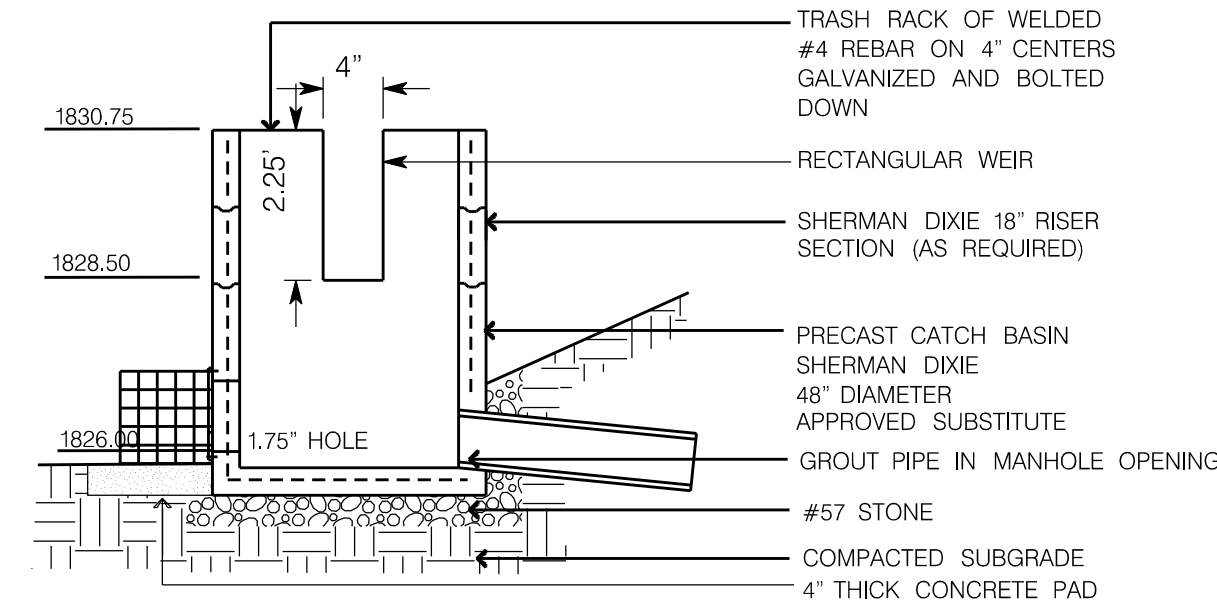
**6** INLET PROTECTION DETAIL  
C2.2 NOT TO SCALE



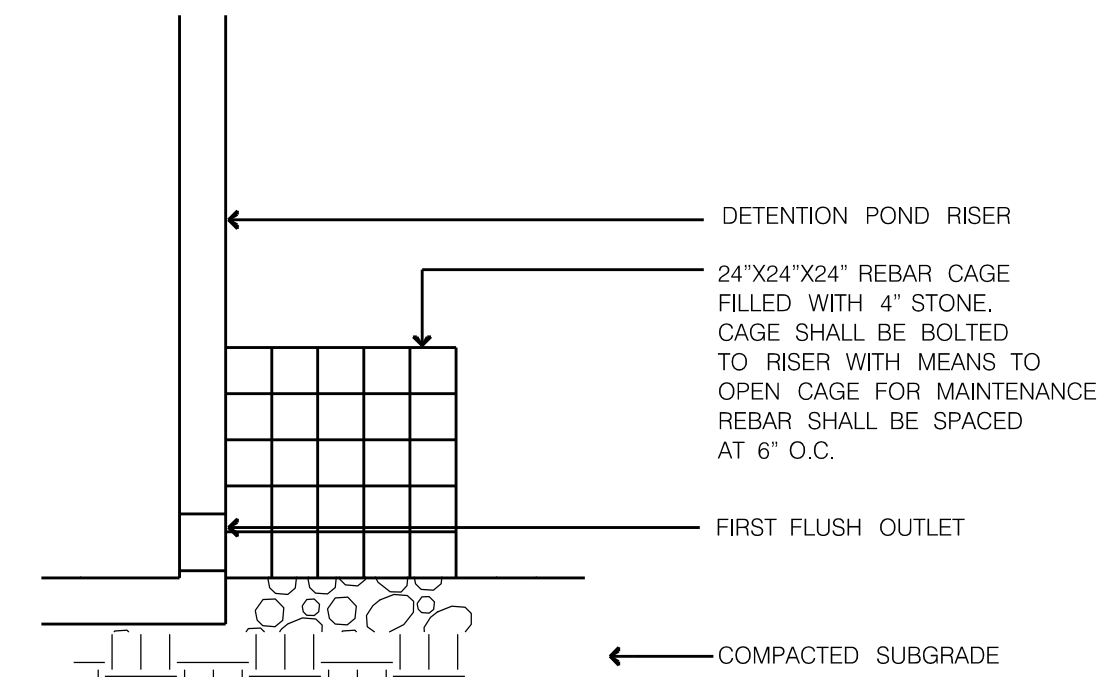
**7** ENERGY DISSIPATING HEADWALL DETAIL  
C2.2 NOT TO SCALE



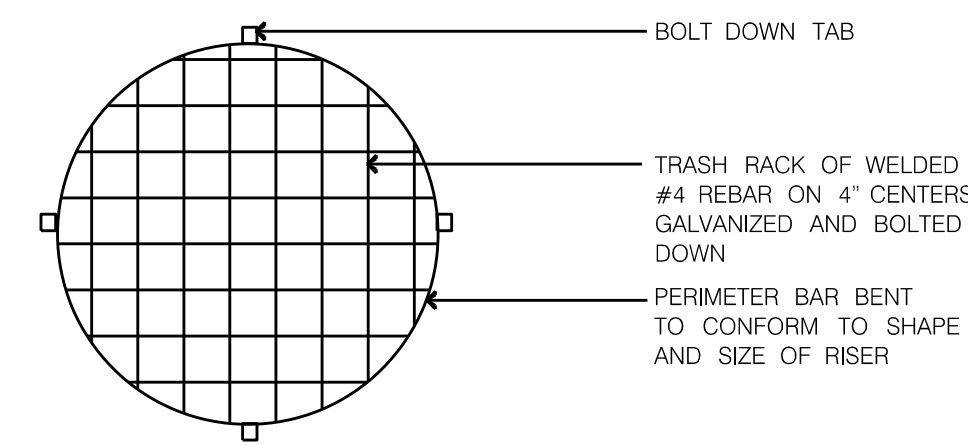
**8** LOW TAILWATER OUTLET PROTECTION DETAIL  
C2.2 NOT TO SCALE



**9** POND RISER DETAIL  
C2.2 NOT TO SCALE



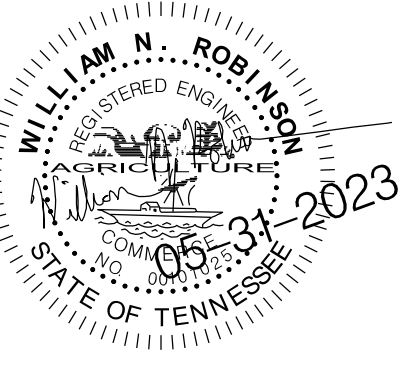
**10** WATER QUALITY FILTER  
C2.2 NOT TO SCALE



**11** TRASH RACK  
C2.2 NOT TO SCALE

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**C2.2**  
SITE DETAILS - 2  
DRAWING