

ZONING (PER CITY OF ALABASTER GIS):

B-3 (COMMUNITY BUSINESS DISTRICT)

YARD SETBACKS

FRONT: 50 FEET
REAR: 60 FEET OR 15 FEET IF ADJOINING PROPERTY IS ZONED BUSINESS, UNZONED OR RIGHT-OF-WAY EXCEEDS 40 FEET
SIDE: 40 FEET

MINIMUM LOT AREA: NONE

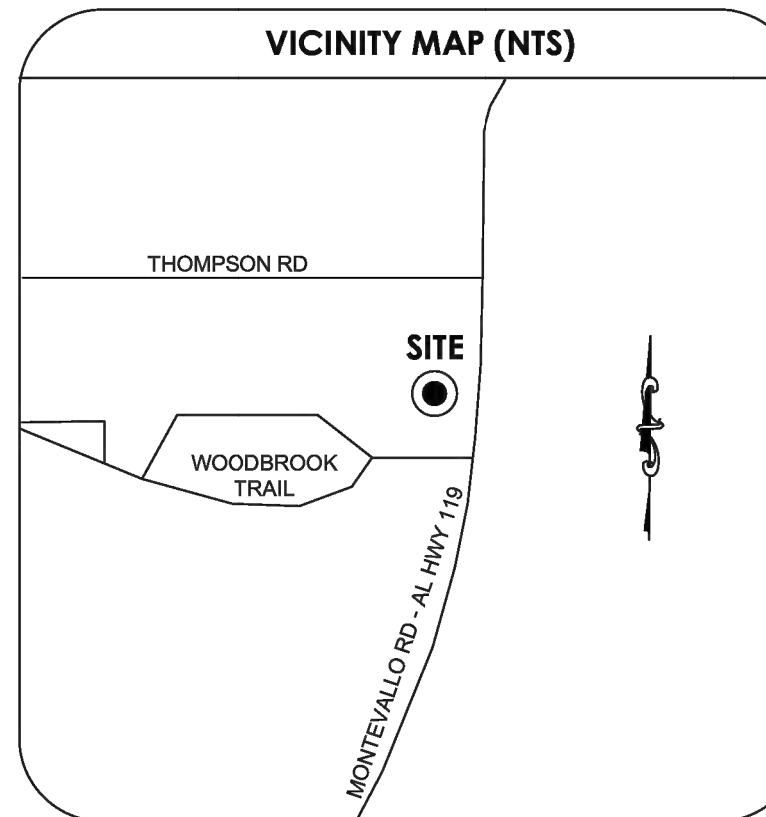
MINIMUM LOT WIDTH: 50 FEET

MAXIMUM HEIGHT OF STRUCTURES: 60 FEET OR 30 FEET WHEN ANY PORTION OF THE PROPERTY ADJOINS A SINGLE-FAMILY OR TWO-FAMILY RESIDENTIAL DISTRICT

23-11-3-001-003.000
MONTEVALLO PLACE PARTNERS LTD
1764 WOODBROOK TRAIL
ALABASTER, AL 35007
INSTRUMENT # 2017069000203360
ZONED R-6

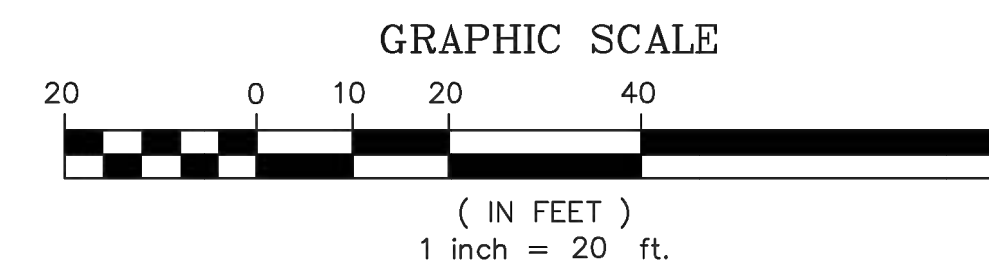
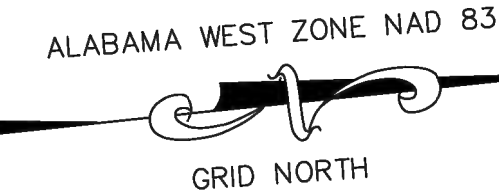
23-11-3-001-002.000
RICKY PICKETT & DONALD OVERTON
9815 MONTEVALLO RD - AL HWY 119
ALABASTER, AL 35007
INSTRUMENT # 20050830000447810
38,466 SF ±
0.88 AC ±
ZONED B-3

23-11-3-001-003.000
MONTEVALLO PLACE PARTNERS LTD
1764 WOODBROOK TRAIL
ALABASTER, AL 35007
INSTRUMENT # 2017069000203360
ZONED R-6



ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY OF 9815 MONTEVALLO ROAD ALABASTER

SITUATED IN SECTION 11,
TOWNSHIP 21 SOUTH, RANGE 3 WEST,
SHELBY COUNTY, ALABAMA



23-11-2-004-016.000
JULIA L ROY
9871 MONTEVALLO RD - AL HWY 119
ALABASTER, AL 35007
INSTRUMENT # 19731011000057070
ZONED MR

LEGEND	
(M)	MEASURED
(D)	DEED
x450.00	EXISTING SPOT ELEVATIONS
←	GUY WIRE
⊙	LIGHT POLE
⊕	WATER METER
⊕	WATER VALVE
⊕	FIRE HYDRANT
⊕	TELEPHONE BOX
⊕	UTILITY POLE
— W —	WATER LINE
— OT —	OVERHEAD TELEPHONE LINE
— P —	OVERHEAD ELECTRIC LINE
— x —	FENCE
▒	ASPHALT
▒	CONCRETE

NOTES:

- THE PARCEL SHOWN HEREON IS SUBJECT TO SETBACKS, EASEMENTS, ZONING, AND RESTRICTIONS THAT MAY BE FOUND IN THE PUBLIC RECORD OF SAID COUNTY.
- ALL EASEMENTS AND RIGHT-OF-WAY OF WHICH THE SURVEYOR HAS KNOWLEDGE HAVE BEEN SHOWN HERON.
- THE UTILITIES HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR EXISTING DRAWINGS. HOWEVER, THERE MAY EXIST UNDERGROUND UTILITIES OR BURIED PIPES WHICH WERE NOT LOCATED OR OF WHICH THE SURVEYOR HAS NO KNOWLEDGE. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED BECAUSE THE UNDERGROUND UTILITIES WERE NOT PHYSICALLY LOCATED. ALABAMA 811 LOCATE TICKET NUMBER 232790673.
- BEARINGS SHOWN HEREON ARE RELATIVE TO THE ALABAMA STATE PLANE COORDINATE SYSTEM GRID AZIMUTH (ALABAMA WEST ZONE) (NAD 83) AND WERE DETERMINED USING GPS OBSERVATION.
- ACCORDING TO THE FLOOD INSURANCE RATE MAP PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR ALABAMA (COMMUNITY PANEL 01117C0377E, EFFECTIVE DATE MARCH 21, 2019), THIS SITE LIES WITHIN ZONE X AND ZONE X SHADED.
- NO ZONING REPORT WAS PROVIDED.
- NO PARKING SPACE STRIPES WERE MARKED ON THE GROUND OR PAVEMENT.
- THERE ARE NO MARKED PARKING AREAS ON SUBJECT PROPERTIES.
- ACCESS TO PROPERTY FROM MONTEVALLO ROAD (AL HWY 119)
- FIELD WORK COMPLETED ON: OCTOBER 18, 2023
- SURVEY PREPARED FOR: CANALES ORTHODONTICS

TITLE COMMITMENT SCHEDULE B-II EXCEPTIONS:

FILE NO: 250644 DATED JULY 31, 2023, PREPARED BY MAGIC CITY TITLE, INC. AS AGENTS FOR COMMONWEALTH LAND TITLE INSURANCE COMPANY. (EXCEPTIONS ARE NUMBERED THE SAME AS THE TITLE COMMITMENT.)

- ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHES, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I-REQUIREMENTS ARE MET. **NOT ADDRESSED BY SURVEYOR.**
- STANDARD EXCEPTIONS:
 - RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. **NOT ADDRESSED BY SURVEYOR.**
 - EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. **NOT ADDRESSED BY SURVEYOR.**
 - ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. **AS SHOWN ON SURVEY.**
 - ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR OR MATERIAL, HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. **NOT ADDRESSED BY SURVEYOR.**
 - TAXES OR ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY EITHER THE PUBLIC RECORDS OR THE RECORDS OF ANY TAXING AUTHORITY THAT LEVIES TAXES OR ASSESSMENTS ON REAL PROPERTY. **NOT ADDRESSED BY SURVEYOR.**
- TAXES FOR THE YEAR 2023 AND SUBSEQUENT YEARS, A LIEN NOT YET DUE AND PAYABLE. **NOT ADDRESSED BY SURVEYOR.**
- LESS AND EXCEPT ANY PART OF SUBJECT PROPERTY LYING WITHIN ANY ROAD RIGHT-OF-WAY. **AS SHOWN ON SURVEY.**
- TITLE TO ALL MINERALS WITHIN AND UNDERLYING THE PREMISES, TOGETHER WITH ALL MINING RIGHTS AND OTHER RIGHTS, PRIVILEGES AND IMMUNITIES RELATING THERETO, INCLUDING RELEASE OF DAMAGES, ARE NOT INSURED HEREIN. **NOT ADDRESSED BY SURVEYOR.**

TITLE PROPERTY DESCRIPTION:

COMMENCING WHERE THE NORTH LINE OF THE NE 1/4 OF THE SW 1/4 OF SECTION 11, TOWNSHIP 21 SOUTH, RANGE 3 WEST, INTERSECTS THE WEST RIGHT OF WAY LINE OF THE MONTEVALLO AND ASHVILLE PAVED HIGHWAY, AND RUN THENCE IN A SOUTHERLY DIRECTION ALONG THE WEST RIGHT OF WAY LINE OF SAID HIGHWAY A DISTANCE OF 78 FEET TO THE POINT OF BEGINNING OF THE LOT HEREIN DESCRIBED AND CONVEYED; RUN THENCE WEST, AND PARALLEL WITH THE NORTH LINE OF SAID FORTY ACRES, A DISTANCE OF 245 FEET TO A POINT; RUN THENCE IN A SOUTHERLY DIRECTION AND PARALLEL WITH THE WEST RIGHT OF WAY LINE OF THE SAID MONTEVALLO AND ASHVILLE PAVED HIGHWAY, A DISTANCE OF 78 FEET TO A POINT; RUN THENCE EAST AND PARALLEL WITH THE NORTH LINE OF SAID FORTY ACRES A DISTANCE OF 245 FEET TO THE WEST RIGHT OF WAY LINE OF SAID MONTEVALLO-ASHVILLE PUBLIC HIGHWAY; RUN THENCE IN A NORTHERLY DIRECTION ALONG THE WEST RIGHT OF WAY LINE OF SAID PAVED HIGHWAY A DISTANCE OF 78 FEET TO A POINT OF BEGINNING, AND BEING A PART OF THE NE 1/4 OF THE SW 1/4 OF SECTION 11, TOWNSHIP 21 SOUTH, RANGE 3 WEST, SHELBY COUNTY, ALABAMA. ALSO, BEGINNING WHERE THE NORTH LINE OF THE SW 1/4 OF THE SW 1/4 OF SECTION 11, TOWNSHIP 21 SOUTH, RANGE 3 WEST, INTERSECTS THE WEST RIGHT OF WAY LINE OF THE MONTEVALLO AND ASHVILLE PAVED PUBLIC HIGHWAY, AND RUNNING THENCE IN A SOUTHERLY DIRECTION ALONG THE WEST RIGHT OF WAY LINE OF SAID HIGHWAY, A DISTANCE OF 78 FEET TO A POINT; RUN THENCE WEST AND PARALLEL WITH THE NORTH LINE OF SAID LAST NAMED FORTY ACRES 245 FEET TO A POINT; RUN THENCE IN A NORTHERLY DIRECTION AND PARALLEL WITH THE WEST RIGHT OF WAY LINE OF SAID MONTEVALLO AND ASHVILLE PAVED HIGHWAY A DISTANCE OF 78 FEET TO THE NORTH LINE OF SAID NE 1/4 OF SW 1/4 OF SECTION 11, TOWNSHIP 21 SOUTH, RANGE 3 WEST; RUN THENCE EAST AND ALONG SAID NORTH LINE OF SAID FORTY ACRES A DISTANCE OF 245 FEET TO THE POINT OF BEGINNING AND BEING A PART OF THE NE 1/4 OF THE SW 1/4 OF SECTION 11, TOWNSHIP 21 SOUTH, RANGE 3 WEST, SHELBY COUNTY, ALABAMA.

CERTIFY TO: LASTERDAY, LLC; RICKY PICKETT AND DONALD OVERTON, (JOINT SURVIVORSHIP); COMMONWEALTH LAND TITLE INSURANCE COMPANY; MAGIC CITY TITLE, INC.

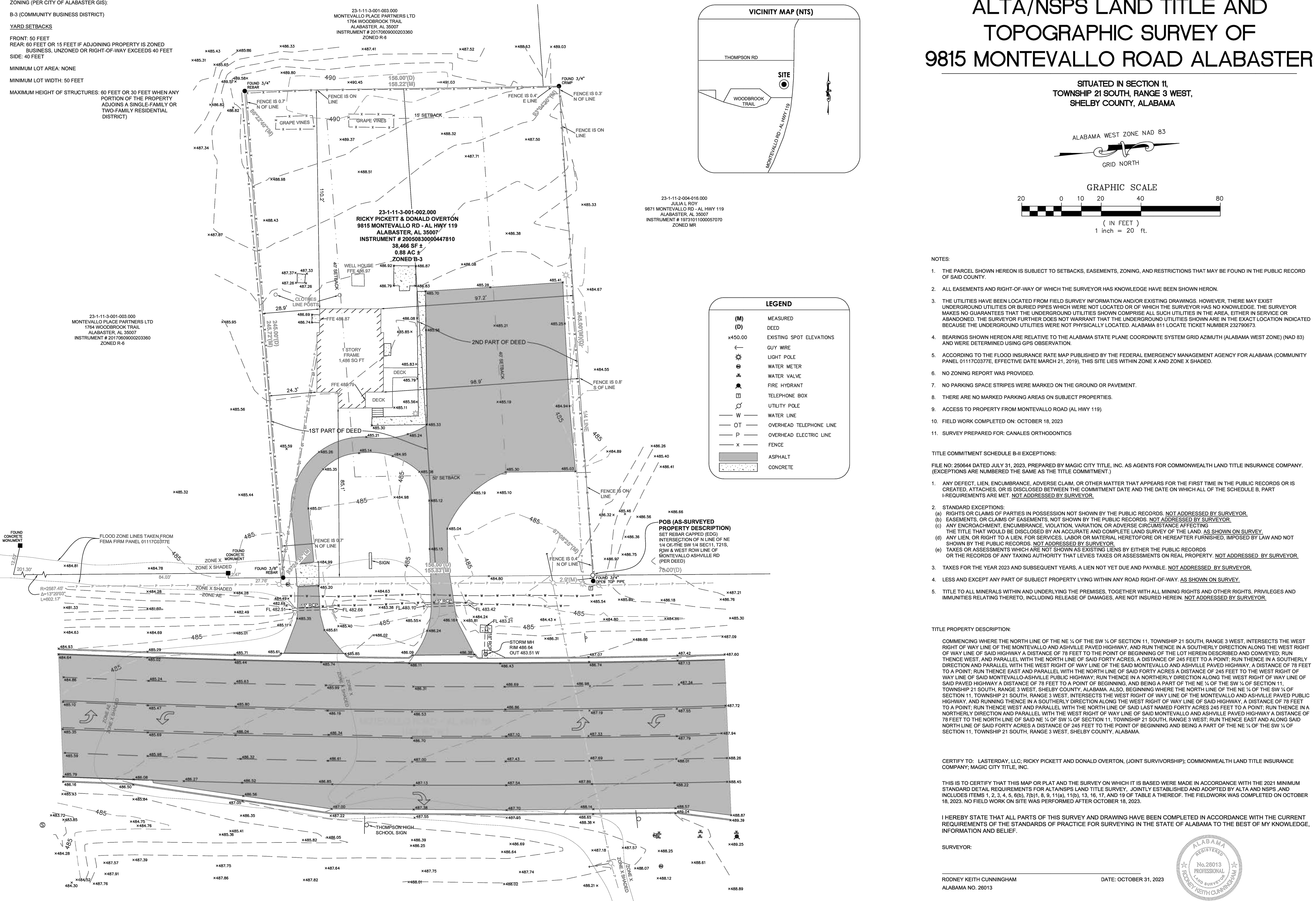
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEY, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b), 7(b), 8, 9, 11(a), 11(b), 13, 16, 17, AND 19 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON OCTOBER 18, 2023. NO FIELD WORK ON SITE WAS PERFORMED AFTER OCTOBER 18, 2023.

I HEREBY STATE THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

SURVEYOR:

RODNEY KEITH CUNNINGHAM
ALABAMA NO. 26013

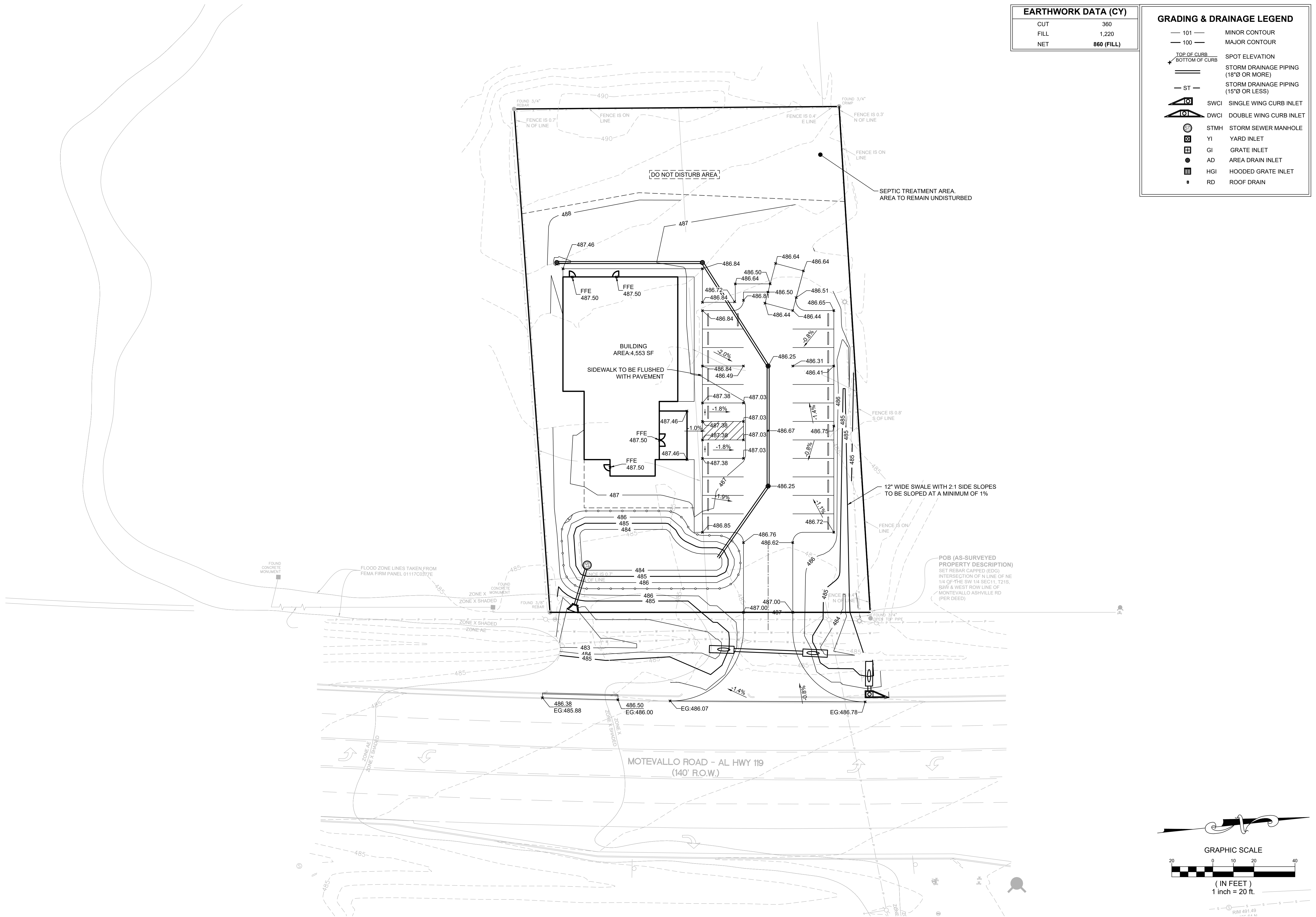
DATE: OCTOBER 31, 2023



DATE	
REVISIONS	
DRAWN BY: JAT	CHECKED BY: RKC
PROJECT NO.: CANA0001	DATE: October 30, 2024
SCALE: 1" = 20'	
PROJECT: 9815 MONTEVALLO ROAD ALABASTER	TITLE: ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY
120 BISHOP CIRCLE, SUITE 300 (PELHAM) PELHAM, AL 35124 TEL - (205) 403-9158 1000 E. LAUREL AVENUE (FOLEY) FOLEY, AL. 36555 (251) 943-6960	ENGINEERING DESIGN GROUP, LLC CIVIL ENGINEERING & LAND SURVEYING (205) 403-9158 (251) 943-6960
SHEET NO.	1 OF 1

EARTHWORK DATA (CY)	
CUT	360
FILL	1,220
NET	860 (FILL)

GRADING & DRAINAGE LEGEND	
— 101 —	MINOR CONTOUR
— 100 —	MAJOR CONTOUR
+	TOP OF CURB
+	BOTTOM OF CURB
=====	SPOT ELEVATION
=====	STORM DRAINAGE PIPING (18"Ø OR MORE)
— ST —	STORM DRAINAGE PIPING (15"Ø OR LESS)
	SWCI SINGLE WING CURB INLET
	DWCI DOUBLE WING CURB INLET
	STMH STORM SEWER MANHOLE
	YI YARD INLET
	GI GRATE INLET
	ADI AREA DRAIN INLET
	HGI HOODED GRATE INLET
	RD ROOF DRAIN



REVISIONS

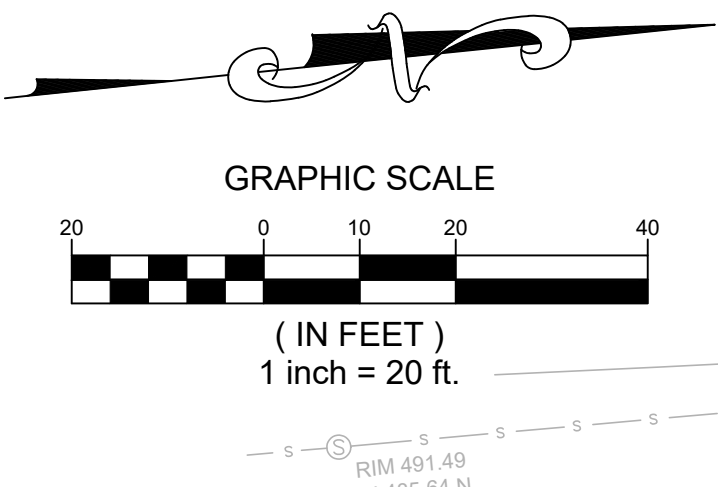
PROJECT ADDRESS: 9815 MONTEVALLO ROAD ALABASTER, ALABAMA

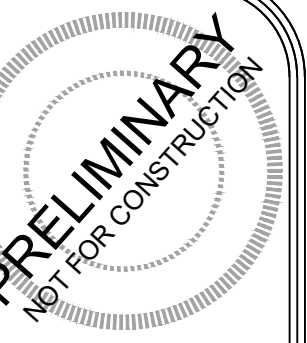
SHEET TITLE: GRADING PLAN

PROJECT NAME: CANALES ORTHODONTICS ALABASTER

DRAWN BY: CLG
CHECKED BY: WHL
PROJECT No.: CANA0001
CAD FILE: BASEFILE.dwg
DATE: OCTOBER 30, 2024

SHEET NO. C3.0



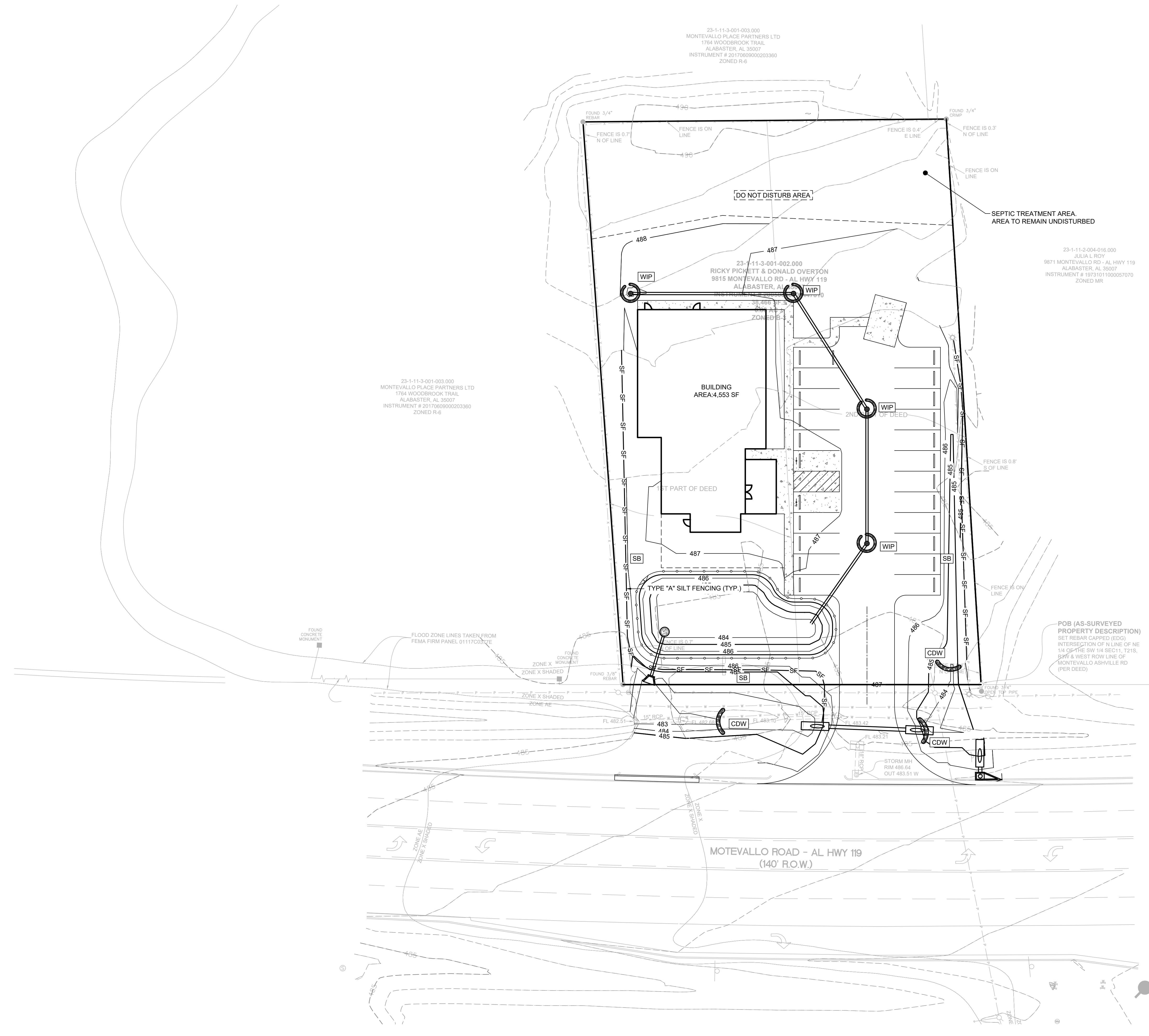


ENGINEERING DESIGN GROUP

PELHAM, AL
120 BISHOP CIRCLE SUITE 300
PELHAM, AL 35124
(205) 403-9158

FOLEY, AL
21106 STATE HIGHWAY 98
FOLEY, AL 36535
(251) 963-8960

EROSION CONTROL LEGEND				
—SF—	SB	SILT FENCING	TSG	TOPSOIL
	IP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
	CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
	CDR	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
	CEP	CONSTRUCTION EXIT PAD	TS	TEMPORARY SEEDING
	OP	OUTLET PROTECTION	SOD	SODDING
	IP	SILT SAVER INLET PROTECTION	MU	MULCHING
	IP	DANDY SACK INLET PROTECTION	GK	GROUNDSKEEPING



23-1-11-3-001-003.000
MONTEVALLO PLACE PARTNERS LTD
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ALABASTER, AL 35007
INSTRUMENT # 20170609000203360
ZONED R-6

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ALABASTER, AL 35007
INSTRUMENT # 20170609000203360
ZONED R-6

23-1-11-3-001-002.000
RICKY PICKETT & DONALD OVERTON
9815 MONTEVALLO RD - AL HWY 119
ALABASTER, AL 35007
INSTRUMENT # 19731011000057070
ZONED MR

23-1-11-2-004-016.000
JULIA L ROY
9871 MONTEVALLO RD - AL HWY 119
ALABASTER, AL 35007
INSTRUMENT # 19731011000057070
ZONED MR

POB (AS-SURVEYED
PROPERTY DESCRIPTION)
SET REBAR CAPPED (EDG)
INTERSECTION OF N LINE OF NE
1/4 OF THE SW 1/4 SEC11, T21S,
34R1 & WEST ROW LINE OF
MONTEVALLO ASHVILLE RD
(PER DEED)

REVISIONS

PROJECT ADDRESS:
**9815 MONTEVALLO ROAD
ALABASTER, ALABAMA**

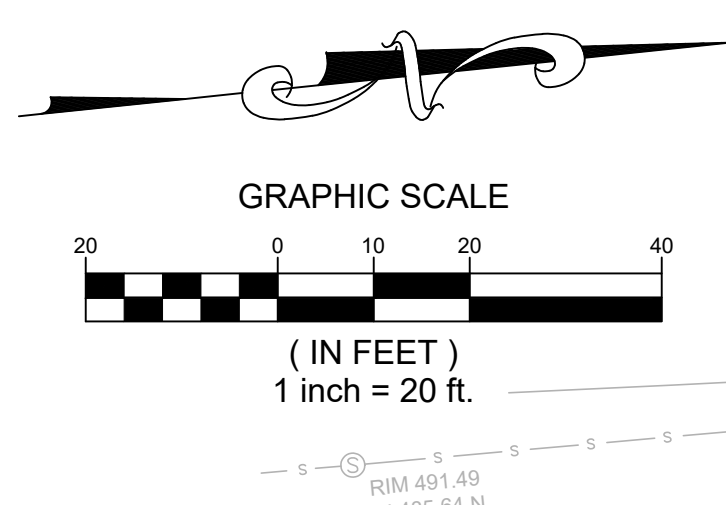
SHEET TITLE:
**PHASE 2 EROSION CONTROL
PLAN**

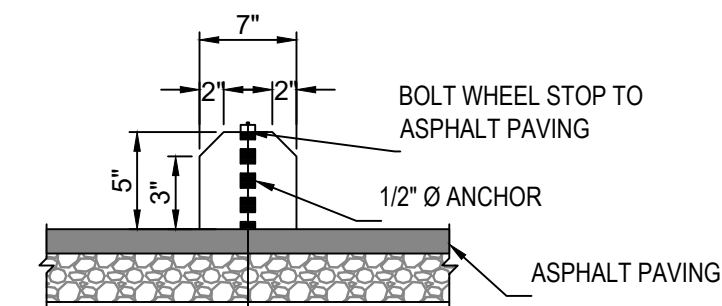
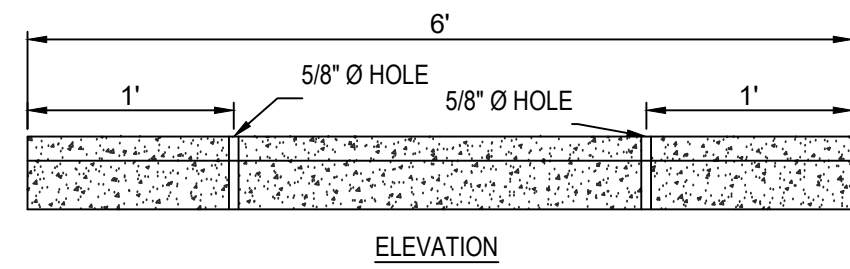
PROJECT NAME:
**CANALES ORTHODONTICS
ALABASTER**

DRAWN BY: CLG
CHECKED BY: WHL
PROJECT No.: CANA0001
CAD FILE: BASEFILE.dwg
DATE: OCTOBER 30, 2024

SHEET NO.

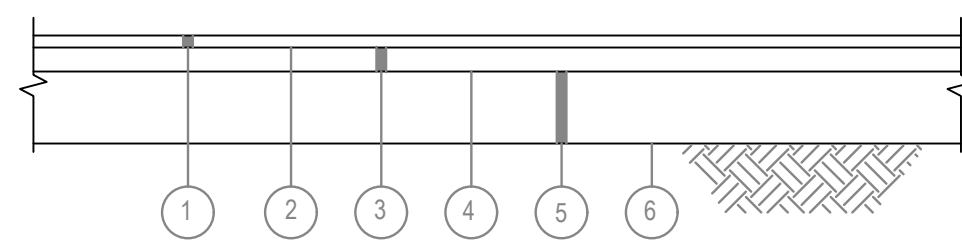
C4.0





NOTES:
 1. CENTER WHEEL STOP IN PARKING SPACE
 2. WHEEL STOP SHALL BE PLACED 36" FROM SIDEWALK (MEASURED TO TIRE SIDE OF WHEEL STOP).

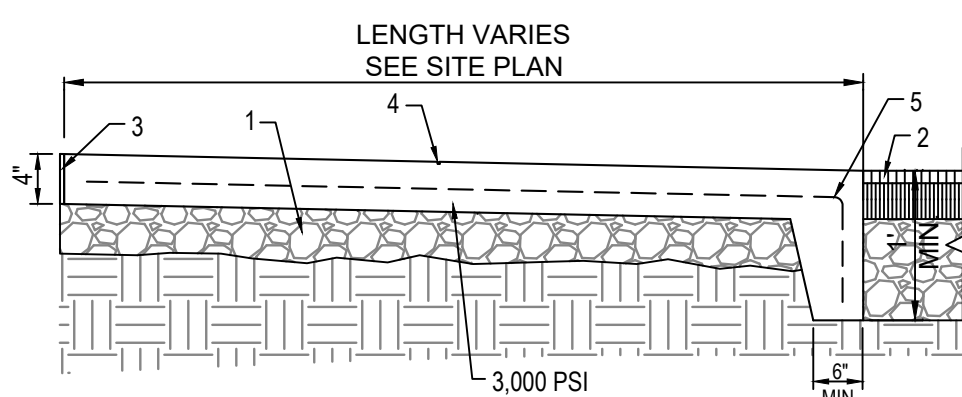
CONCRETE WHEEL STOP
N.T.S.



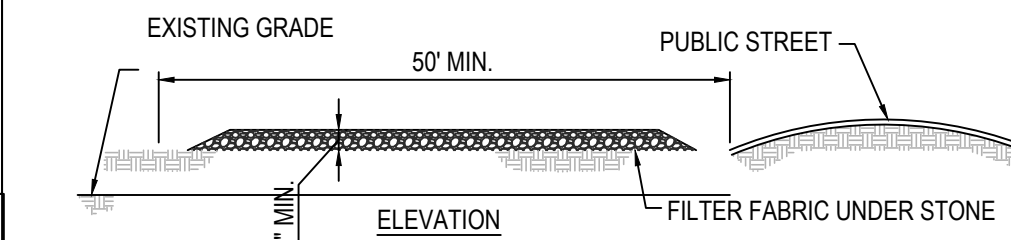
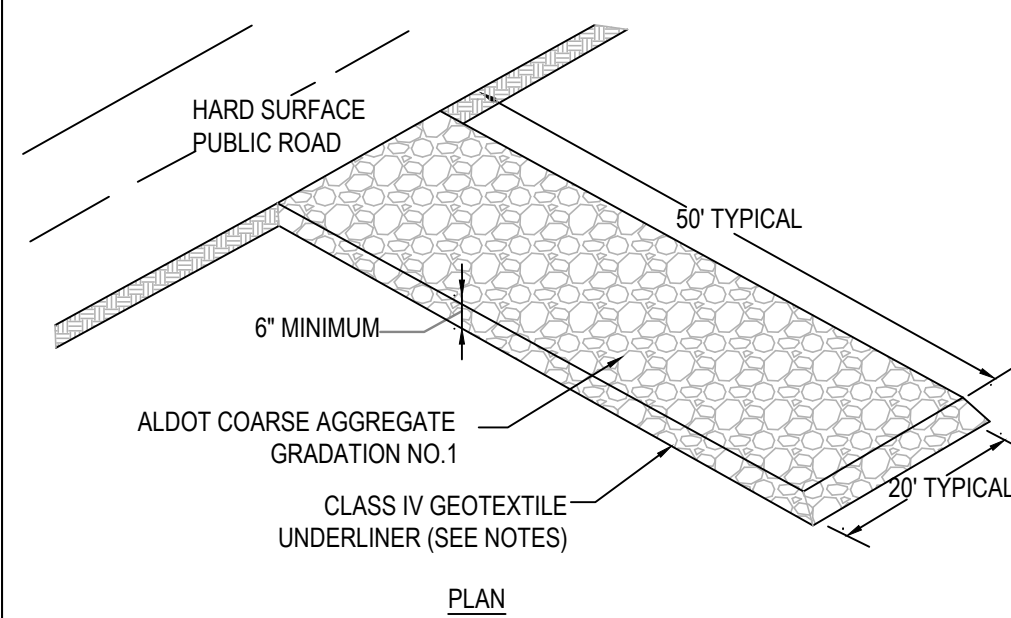
KEYED NOTES:
 1. REQUIRED 1" BITUMINOUS CONCRETE WEARING SURFACE LAYER 3/4" MAXIMUM AGGREGATE SIZE @ 150 LBS/SY (1.3") (ALDOT 429-A)
 2. REQUIRED TACK COAT (ALDOT 405)
 3. REQUIRED 2" IMPROVED BITUMINOUS CONCRETE UPPER BINDER LAYER 1" MAX. AGGREGATE SIZE @ 300 LBS/SY (2.8") (ALDOT 429-B)
 4. REQUIRED BITUMINOUS TREATMENT (PRIME) (ALDOT 401, TYPE A)
 5. REQUIRED PLANT MIX BITUMINOUS BASE, 1.5" MAX AGGREGATE SIZE @ 600 LBS/SY (TO BE PAVED IN TWO EQUAL LIFTS) (ALDOT 327-A) OR 10" CRUSHED AGGREGATE BASE TYPE-B (ALDOT 825)
 6. SUBGRADE: TOP 12 INCHES - 98% COMPACTION ASTM D-698.

NOTE: ALL MIX DESIGNS ARE PER THE "ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" - 2006 EDITION.

ALDOT PAVING SECTION
N.T.S.



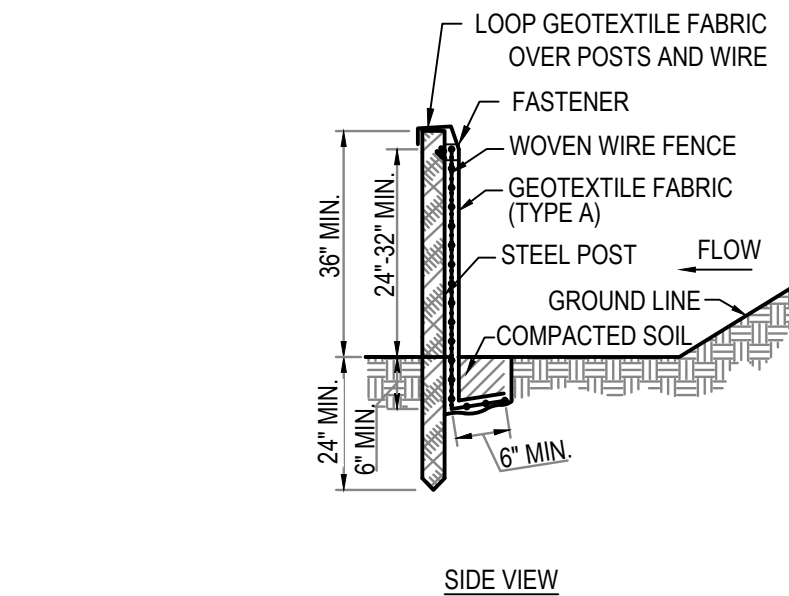
KEYED NOTES:
 1. 4" COMPACTED AGGREGATE BASE
 2. PAVEMENT
 3. COMPRESSIBLE FILLER, CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
 4. 1/8" CONTRACTION JOINT EVERY 5 TO 10'; EXPANSION JOINT EVERY 15 FEET.
 5. 6" X 6" W1.4 X W1.4 W.W.R.
PERIMETER SIDEWALK-FLUSH DETAIL
N.T.S.



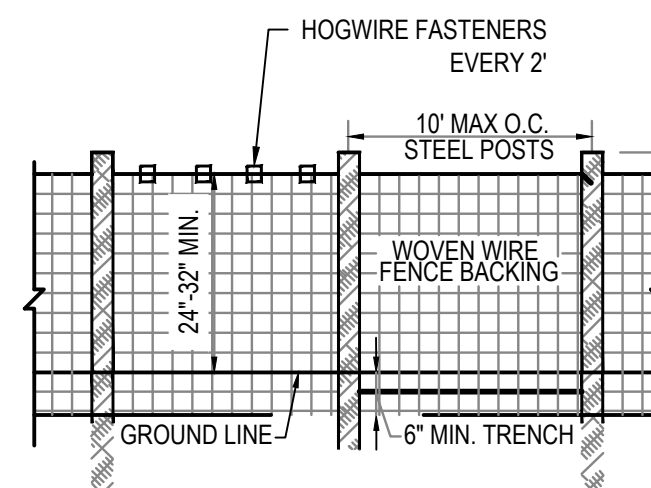
SPECIAL NOTES:

- A STABILIZED PAD OF CRUSHED STONE SPREAD OVER FILTER FABRIC SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET. THE STONE SHALL BE ALDOT GRADATION NO. 1 STONE. FILTER FABRIC SHALL BE NONWOVEN GEOTEXTILE CLASS IV OR EQUAL.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY BY STREET CLEANING (NOT FLUSHING). WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
- IF THE PAD SLOPE TOWARDS THE ROAD EXCEEDS 2%, A DIVERSION RIDGE 6" - 8" HIGH WITH 3:1 SIDE SLOPES MUST BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15' AWAY FROM THE ROAD AND DRAIN INTO A SEDIMENT TRAP OR BASIN.

CONSTRUCTION EXIT PAD
N.T.S.



SIDE VIEW



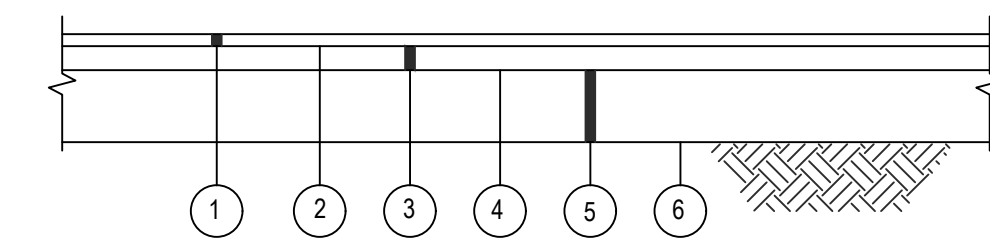
FRONT VIEW

SPECIAL NOTES:
 1. SILT FENCE FABRIC SHALL BE PER TABLE SB-1 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
 2. USE D.O.T. APPROVED WOVEN WIRE FENCE.
 3. USE 5" MIN. STEEL POSTS (1.3 LB/FT MIN).

NOTES:
 1. THE WOVEN WIRE FENCING SHALL BE FASTENED TO THE UPSTREAM SIDE OF POSTS BY STAPLES OF WIRE TIES.
 2. GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO THE WOVEN WIRE FENCING.

MAINTENANCE SCHEDULE:
 REMOVE SEDIMENT DEPOSITS WHEN THEY REACH A DEPTH OF 15" OR 1/2 THE HEIGHT OF THE FENCE AS INSTALLED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. SHOULD THE FABRIC OR SILT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

SILT FENCE - TYPE A
N.T.S.

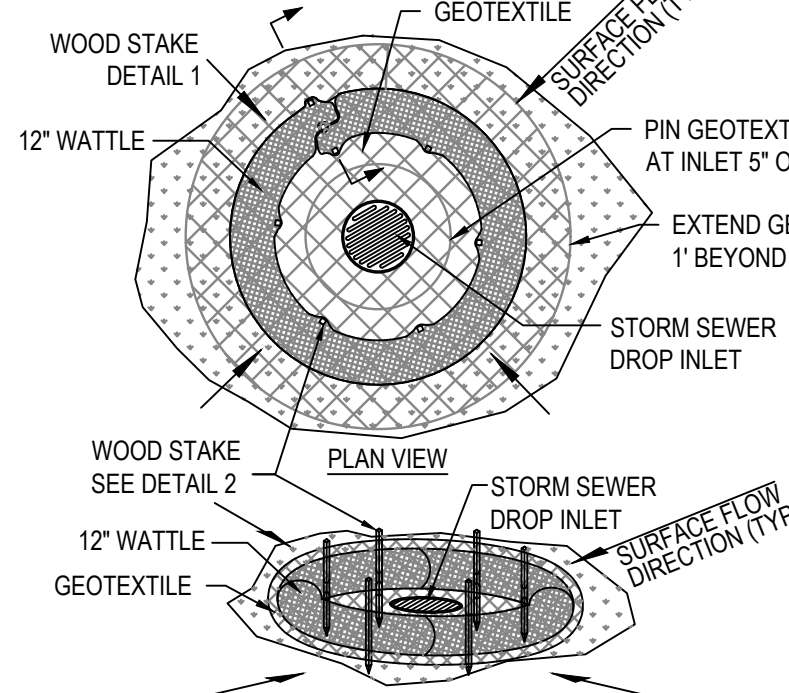


KEYED NOTES:
 1. REQUIRED 1.5 INCH BITUMINOUS CONCRETE, WEARING LAYER (ALDOT 424A - 1/2" MAX AGGREGATE SIZE)
 2. REQUIRED TACK COAT (ALDOT 405)
 3. REQUIRED 2 INCHES BITUMINOUS CONCRETE, BINDER LAYER (ALDOT 424B - 1" MAX AGGREGATE SIZE)
 4. REQUIRED BITUMINOUS TREATMENT (PRIME) (ALDOT 401, TYPE A)
 5. REQUIRED 6 INCHES CRUSHED AGGREGATE BASE COURSE, TYPE B, (ALDOT 825)
 6. SUBGRADE: TOP 12 INCHES - 98% COMPACTION ASTM D-698.

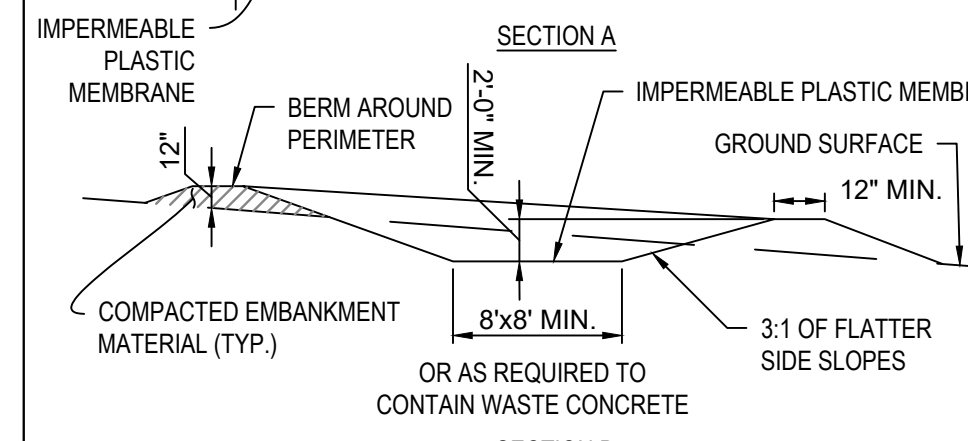
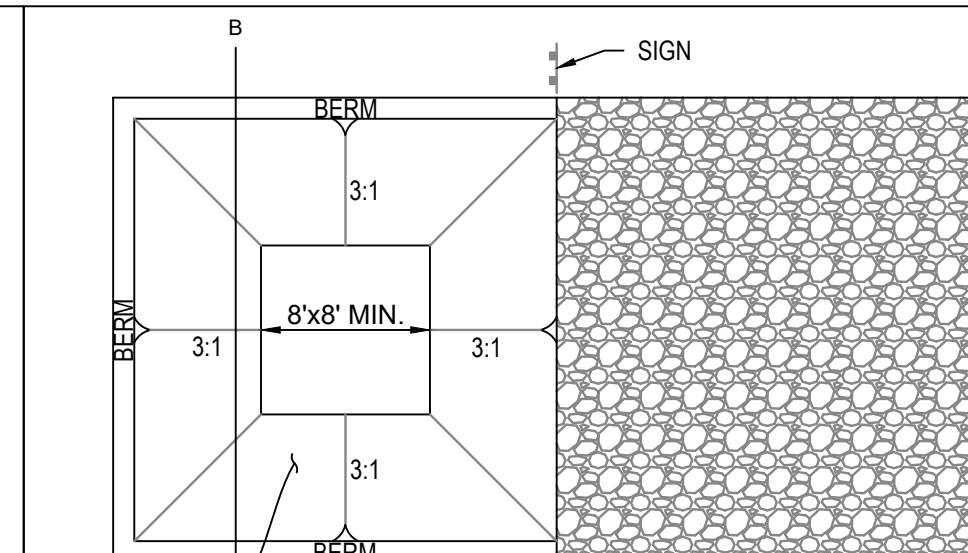
NOTE: ALL MIX DESIGNS ARE PER THE "ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" - 2018 EDITION.

STANDARD DUTY ASPHALT PAVING
N.T.S.

MAINTENANCE SCHEDULE:
 REMOVE SEDIMENT DEPOSITS PROMPTLY AFTER IT HAS ACCUMULATED TO 1/2 OF THE ORIGINAL CAPACITY, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED WATTLES. INSPECT PERIODICALLY FOR DETERIORATION OR DAMAGE FROM CONSTRUCTION ACTIVITIES. REPAIR DAMAGED BARRIER IMMEDIATELY.



WATTLE INLET PROTECTION
N.T.S.



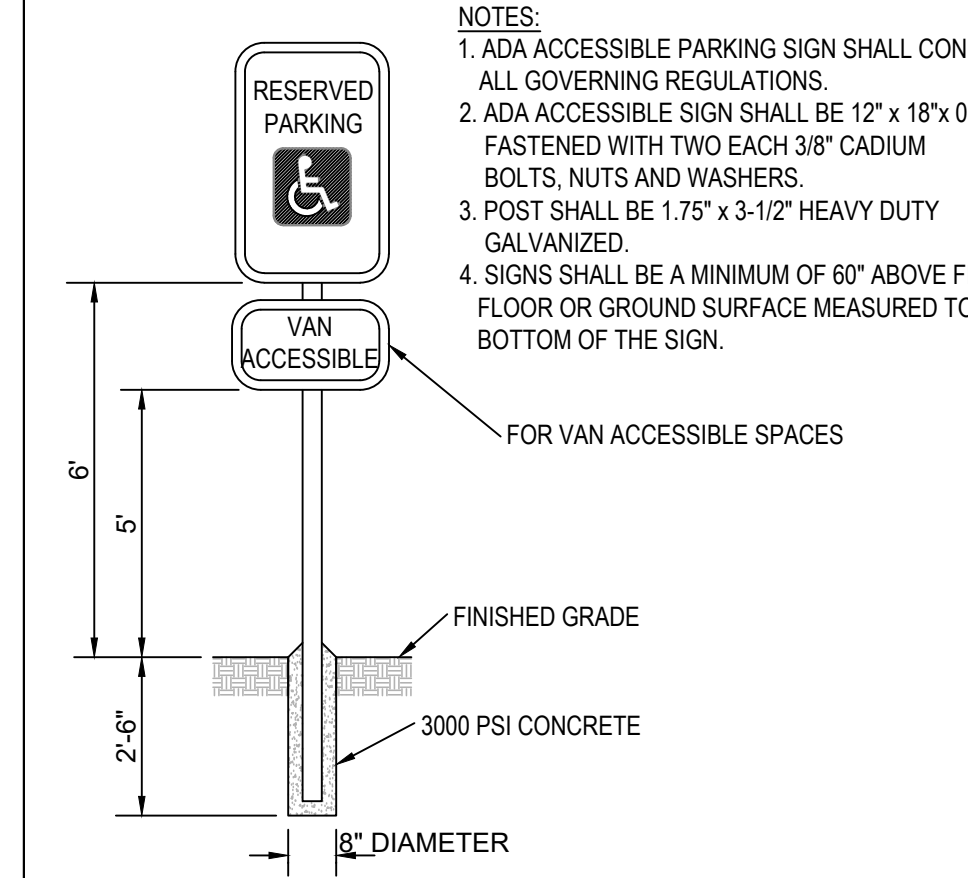
CONCRETE WASHOUT AREA INSTALLATION NOTES

- THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.
- IMPERMEABLE PLASTIC SHEETING SHALL BE 30 MIL TO PREVENT ANY TEARING, PUNCTURES, OR LEAKING.

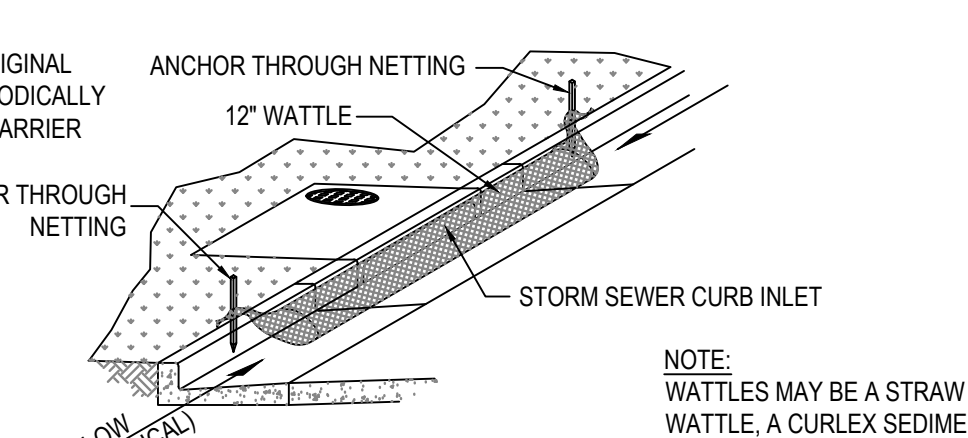
CONCRETE WASHOUT AREA MAINTENANCE NOTES

- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.
- INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

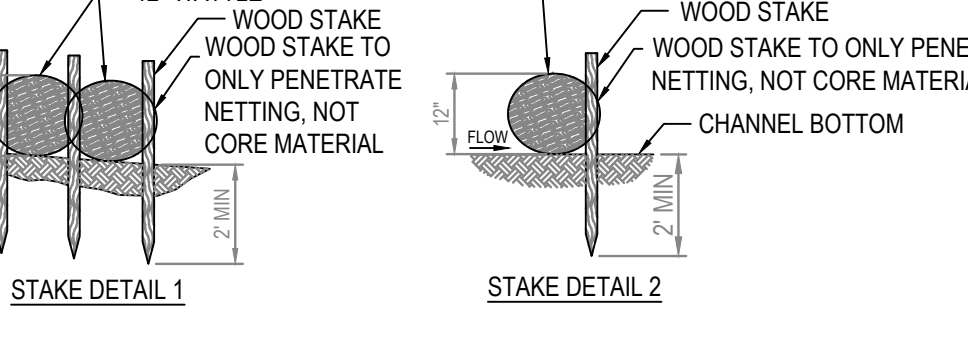
CONCRETE WASHOUT AREA
N.T.S.



ADA ACCESSIBLE SIGN
N.T.S.



CURB INLET PROTECTION
N.T.S.



STAKE DETAIL 1
N.T.S.

STAKE DETAIL 2
N.T.S.

TABLE MU-1 MULCHING MATERIALS AND APPLICATION RATES		
MATERIAL	RATE PER ACRE (PER 1,000 SQ.FT.)	NOTES
STRAW WITH SEED	1 1/2 - 2 TONS (70 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE TO ATTAIN 75% GROUND COVER; ANCHOR WHEN SUBJECT TO BLOWING.
STRAW ALONE (NO SEED)	2 1/2 - 3 TONS (115 LBS - 160 LBS)	SPREAD BY HAND OR MACHINE; ANCHOR WHEN SUBJECT TO BLOWING.
WOOD CHIPS	5-6 TONS (225 LBS - 270 LBS)	TREAT WITH 12 LBS. NITROGEN/TON.
BARK	35 CUBIC YARDS (0.8 CUBIC YARD)	CAN APPLY WITH MULCH BLOWER.
PINE STRAW	1-2 TONS (45 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE; WILL NOT BLOW LIKE STRAW.
PEANUT HULLS	10-20 TON (450 LBS - 900 LBS)	WILL WASH OFF SLOPES. TREAT WITH 12 LBS. NITROGEN/TON.

TABLE TS-1 COMMONLY USED PLANTS FOR TEMPORARY COVER				
SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH
MILLET, BROWNTOP, OR GERMAN	40 LBS	MAY 1 - AUG 1	ARP 1 - AUG 15	APR 1 - AUG 15
RYE	3 BU	SEPT 1 - NOV 15	SEPT 15 - NOV 15	SEPT 15 - NOV 15
RYEGRASS	30 LBS	AUG 1 - SEPT 15	SEPT 1 - OCT 15	SEPT 1 - OCT 15
SORGHUM - SUDAN HYBRIDS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 15	APR 1 - AUG 15
SUNDANGRASS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 15	APR 1 - AUG 15
WHEAT	3 BU	SEPT 1 - NOV 1	SEPT 15 - NOV 15	SEPT 15 - NOV 15
COMMON BERMUDAGRASS	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15
CRIMSON CLOVER	10 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	SEPT 1 - NOV 1

TABLE PS-1 COMMONLY USED PLANTS FOR PERMANENT COVER WITH SEEDING RATES AND DATES				
SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH
BAHIA GRASS, PENSACOLA	40 LBS	-	MAR 1 - JULY 1	FEB 1 - NOV 1
BERMUDAGRASS, COMMON	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15
BAHIA GRASS, PENSACOLA	30 LBS	-	MAR 1 - JULY 1	MAR 1 - JULY 1
BERMUDAGRASS, COMMON	5 LBS	-	MAR 1 - JULY 1	MAR 1 - JULY 1
BERMUDAGRASS, HYBRID (LAWN TYPES)	SOLID SOD	ANYTIM E	ANYTIME	ANYTIM E
BERMUDAGRASS, HYBRID (LAWN TYPES)	SPRIGS 1/SQ FT	MAR 1 - AUG 1	MAR 1 - AUG 1	FEB 15 - SEPT 1
FESCUE, TALL	40 - 50 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	-
SERICEA	40 - 60 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
SERICEA & COMMON BERMUDAGRASS	40 - 60 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
SWITCHGRASS, ALAMO	4 LBS	APR 1 - JUN 15	MAR 15 - JUN 15	MAR 15 - JUN 15

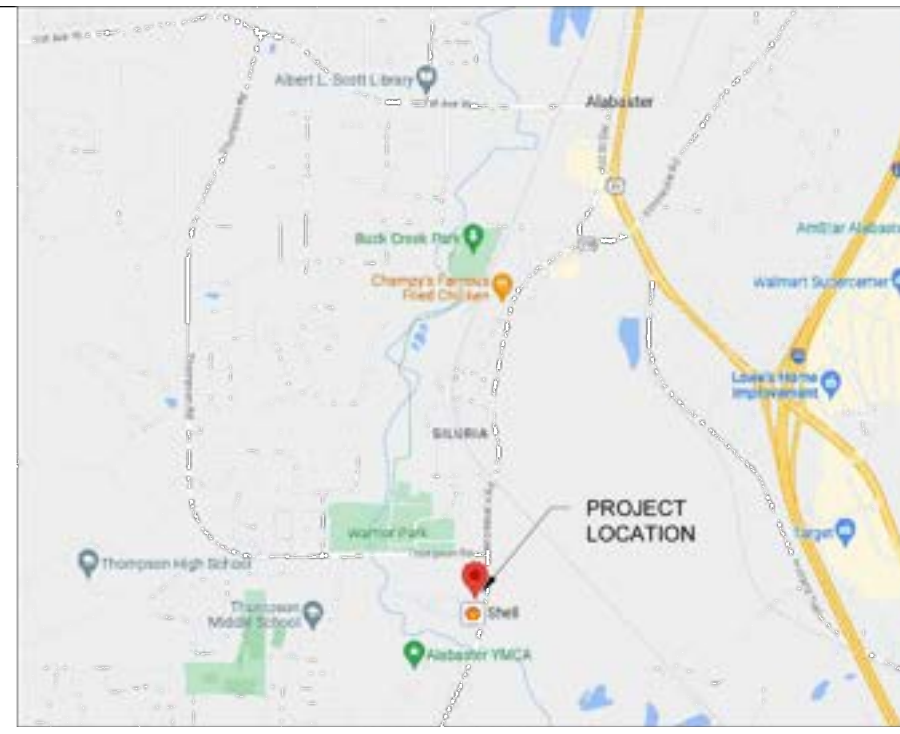
PLS MEANS PURE LIVE SEED AND IS USED TO ADJUST SEEDING RATES. FOR EXAMPLE: TO PLANT 10 LBS PLS OF A SPECIES WITH GERMINATION OF 80% AND 10% INERT MATERIAL -> 10 LBS / 0.70 = 14.3 LBS.

NOTES:
 1. ANY DISTURBED AREA SHALL, WITHIN FOURTEEN (14) DAYS OF STOPPING WORK, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, AND/OR STRUCTURES SUFFICIENT TO RESTRAIN ALL FORMS OF EROSION, TO THE MAXIMUM EXTENT PRACTICABLE.
 2. CONTRACTOR TO COORDINATE PERMANENT SEEDING WITH OWNER.

MULCHING, TEMPORARY SEEDING, & PERMANENT SEEDING DIRECTIONS
N.T.S.



- LEGEND:**
- SOIL PIT LOCATIONS
 - SLOPE DIRECTION
 - CLEAN OUT
 - EXISTING CONTOURS
 - WATER SERVICE LINE
 - ⊕ WATER METER
 - ⊖ WATER SHUT-OFF
 - ⊕ EXISTING WELL
 - FM — 2" SCH 40 PVC FORCE MAIN
 - ⊕ UTILITY POLE
 - ⊕ GAS METER
 - GAS SERVICE LINE



- GENERAL NOTES:**
- THESE PLANS ARE NOT A BOUNDARY SURVEY AND DO NOT PURVEY LEGAL BOUNDARIES.
 - THE EDF AND REDF SHALL BE FLAGGED AND EQUIPMENT AND/OR VEHICULAR TRAFFIC SHALL NOT BE ALLOWED TO TRANSVERSE THE DISPOSAL FIELD AREA BEFORE OR AFTER INSTALLATION. CARE SHOULD BE TAKEN PRIOR TO, DURING, AND AFTER INSTALLATION TO AVOID OVER-COMPACTION OF SOILS.
 - THE ONSITE SEWAGE SYSTEM SHALL BE INSTALLED USING TRACK EQUIPMENT IN LIEU OF RUBBER TIRE EQUIPMENT TO AVOID OVER-COMPACTION OF SOILS.
 - WHEN SCARIFYING EXISTING SOIL IN FIELD LINE AREA, RIP PARALLEL WITH CONTOURS. FIELD LINES ARE TO BE INSTALLED ON SLOPE WITH THE EXISTING CONTOURS.
 - CONTROL FILL LIMITS SHALL EXTEND A MINIMUM OF 5'-0" OUTSIDE TRENCHES ON ALL SIDES WITH A MAXIMUM 3:1 SLOPE.
 - NO SURFACE WATER SHALL POND ON DISPOSAL AREA. ADD FILL AS REQUIRED TO PREVENT PONDING. MINOR SWALES MAY BE NECESSARY TO DIVERT RAINFALL AWAY FROM DISPOSAL AREA.
 - THE ONSITE SEWER DISPOSAL SYSTEM MUST BE INSTALLED BY AN ADVANCED LICENSED INSTALLER.
 - ENGINEERS OF THE SOUTH IS NOT RESPONSIBLE FOR METHODS OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR, OR FOR SAFETY PRECAUTIONS INCIDENT TO THE WORK OF THE CONTRACTOR, OR FOR ANY FAILURE OF THE CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, OR CODES APPLICABLE TO THE CONTRACTOR FURNISHINGS AND PERFORMING THE WORK.
 - UNLESS OTHERWISE INDICATED ON THE PLANS, ALL CONSTRUCTION ACTIVITIES, CONSTRUCTION MATERIALS, AND LABOR SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE STATE OF ALABAMA DEPARTMENT OF HEALTH.
 - AN INSPECTION BY THE ENGINEER IS REQUIRED BY THE HEALTH DEPARTMENT FOR FINAL APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ENGINEERS OF THE SOUTH AT (205) 327-9140 AT LEAST 48-HOURS PRIOR TO BACKFILLING THE SYSTEM FOR INSTALLATION APPROVAL.
 - IF ANY CUTTING OR FILLING OF SOIL HAS BEEN DONE ON SITE SINCE DATE OF SOIL TESTING THIS DESIGN SHOULD NOT BE USED - CONTACT ENGINEER.
 - SEE INSTALLER NOTES FOR NOTIFICATION REQUIREMENTS.
 - THE HEALTH DEPT WILL REQUIRE "COVENANTS TO RUN WITH THE LAND," (CEP-7) TO BE RECORDED FOR THIS SYSTEM TO BE APPROVED FOR USE.

PLOT PLAN
SCALE: 1" = 40'

REVISIONS		
NO.	DATE	DESCRIPTION
1	2023/10/16	ISSUED FOR APPLICATION ONLY (NOT FOR CONSTRUCTION)

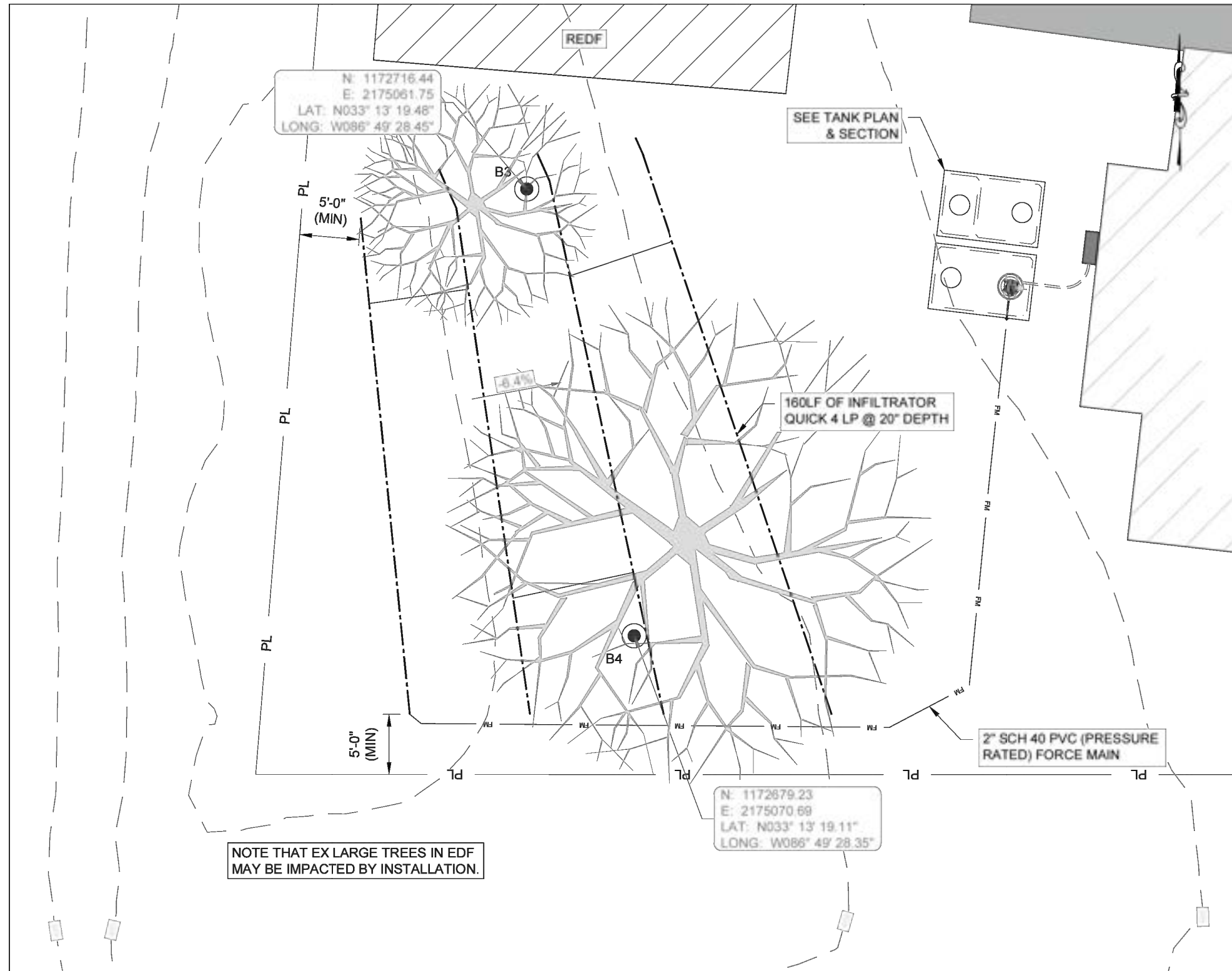


208 OAK MOUNTAIN CIRCLE
PELHAM, AL 35124
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PLOT PLAN AND NOTES

**PROPOSED OSS @
9815 US HWY 119
ALABASTER, AL**
Onsite Septic System (OSS) Design

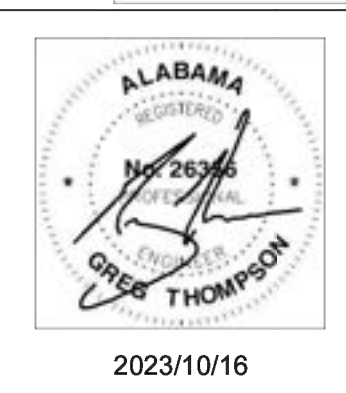
DATE: OCTOBER, 2023	
JOB NUMBER: EDG-2310	SHEET 1
	OF 3



- OWNER NOTES:**
- SYSTEM IS NOT DESIGNED FOR USE WITH GARAGE GRINDERS OR DISPOSALS.
 - HOMEOWNER SHALL TAKE CAUTION TO NOT FLUSH OR DISPOSE OF ANY ITEMS NOT SPECIFICALLY RATED FOR SEPTIC SYSTEMS. SPECIFIC EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, WIPES, GREASE, SANITARY NAPKINS, WASTE FOOD, ETC.
 - PER OWNER, THE OFFICE WILL UTILIZE A DRY VACUUM SYSTEM TO REDUCE WATER USAGE. OWNER SHALL MONITOR WATER USAGE EACH MONTH. WATER USAGE BEYOND THE DESIGN CAPACITY MAY REQUIRE EXPANSION OF THE OSS.
- DESIGN CRITERIA AND RECOMMENDATIONS:**
- DESIGN FLOW: 400 GPD (SEE ATTACHED WATER RECORDS)
- PERC RATE: 80 MPI = 0.50 SF / GPD = 400 / 0.50 = 800 S.F.
- 800 S.F. / 1/3" WIDE TRENCH = 267 LF OF CONVENTIONAL GRAVEL FIELD LINES
- 267 LF - 40% REDUCTION = 160 LF OF INFILTRATOR QUICK 4 LP
- INSTALL 160 LF OF INFILTRATOR QUICK 4 LP @ 20' DEPTH - SEE SECTION CUT.
- INSTALL ONE (1) 1,000 GALLON SEPTIC TANK
INSTALL ONE (1) 500 GALLON PUMP TANK
- SEED AND MULCH SHALL BE PLACED OVER THE ENTIRE DISPOSAL FIELD ONCE FINAL GRADING IS COMPLETE. FINAL GRADES OF DISPOSAL AREA SHOULD BE CROWNED TO ALLOW SURFACE DRAINAGE AWAY FROM DISPOSAL FIELD.
- TANK NOTES:**
- ALL TANKS SHALL CONFORM TO THE SPECIFICATIONS OF THE JEFFERSON COUNTY HEALTH DEPARTMENT AND THE ALABAMA DEPARTMENT OF PUBLIC HEALTH.
 - ALL TANKS SHALL BE PRECAST CONCRETE. PLASTIC TANKS ARE NOT ALLOWED.
 - ALL RISERS SHALL BE ONE PIECE TO CONFORM WITH SITE ELEVATIONS. SHALL HAVE LOCKABLE LIDS AND SHALL CONFORM WITH SADE'S LAW.
 - ALL RISERS SHALL INCLUDE UNIVERSAL TYPE SAFETY SCREEN OR SAFETY NETTING.
 - RISER HEIGHT SHALL BE ADJUSTED FOR FINAL GRADE.
 - TANKS SHALL BE SET ON A MINIMUM OF 6" OF COMPACTED CRUSHED STONE (#57) OR COMPACTED SAND TO MINIMIZE SETTLEMENT.
 - INSTALLER SHALL USE 45D BENDS WITH CLEAN-OUTS AS SHOWN ON THE PLANS TO ALLOW FOR CAMERA AND CLEANING EQUIPMENT. HARD 90D BENDS SHALL NOT BE USED.
 - INSTALLER SHALL SUPPORT PIPING TO PROTECT AGAINST SETTLEMENT.
- PUMP & CONTROL NOTES:**
- PUMP SYSTEM SHALL BE SIMPLE.
 - CONTROLS SHALL BE DEMAND DOSE W/ HIGH & LOW LEVEL OVERRIDE.
 - CONTROL PANEL SHALL BE NEMA 4X, FIBERGLASS IN ACCORDANCE W/ LOCAL ELECTRICAL CODES.
 - PANEL SHALL INCLUDE STATUS LIGHTS, VISUAL ALARM LIGHTS & AUDIBLE ALARM.
- SITE LAYOUT NOTES:**
- COORDINATED PROVIDED ARE IN AL83-WF
 - INSTALLER MUST COORDINATE ANY CHANGE OF MATERIALS OR LOCATION WITH ENGINEER. FAILURE TO COORDINATE ANY CHANGES VOIDS THIS DESIGN.

EDF PLAN
SCALE: 1" = 10'

REVISIONS		
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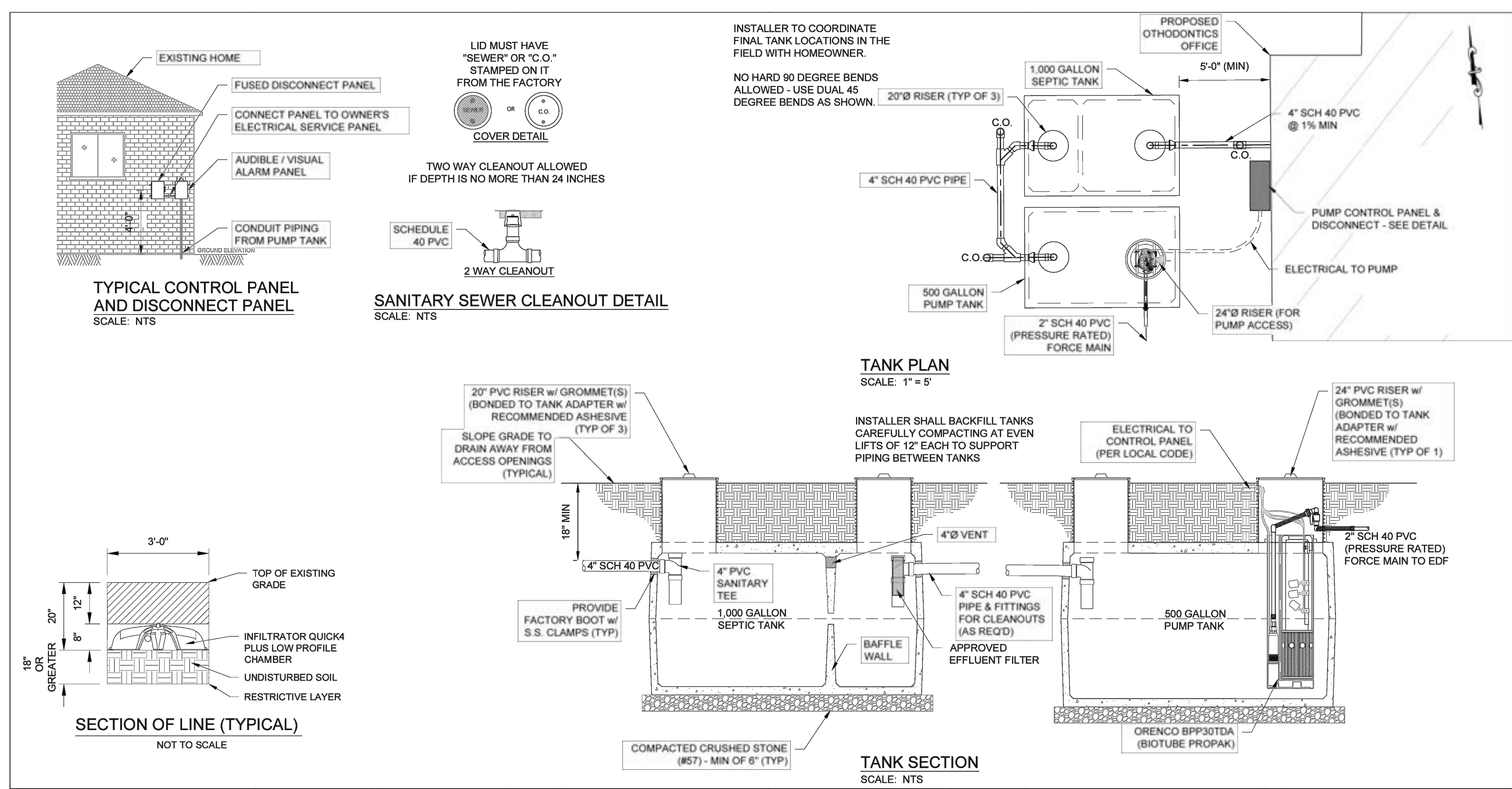


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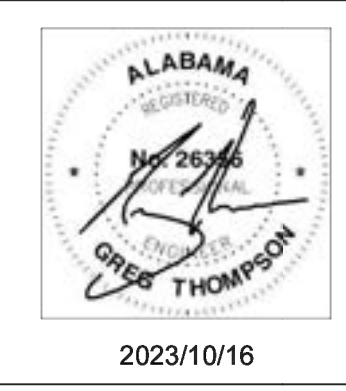
EDF PLAN AND NOTES

**PROPOSED OSS @
9815 US HWY 119
ALABASTER, AL**
Onsite Septic System (OSS) Design

DATE: OCTOBER, 2023	
JOB NUMBER: EDG-2310	SHEET 2
	OF 3



REVISIONS		
NO.	DATE	DESCRIPTION
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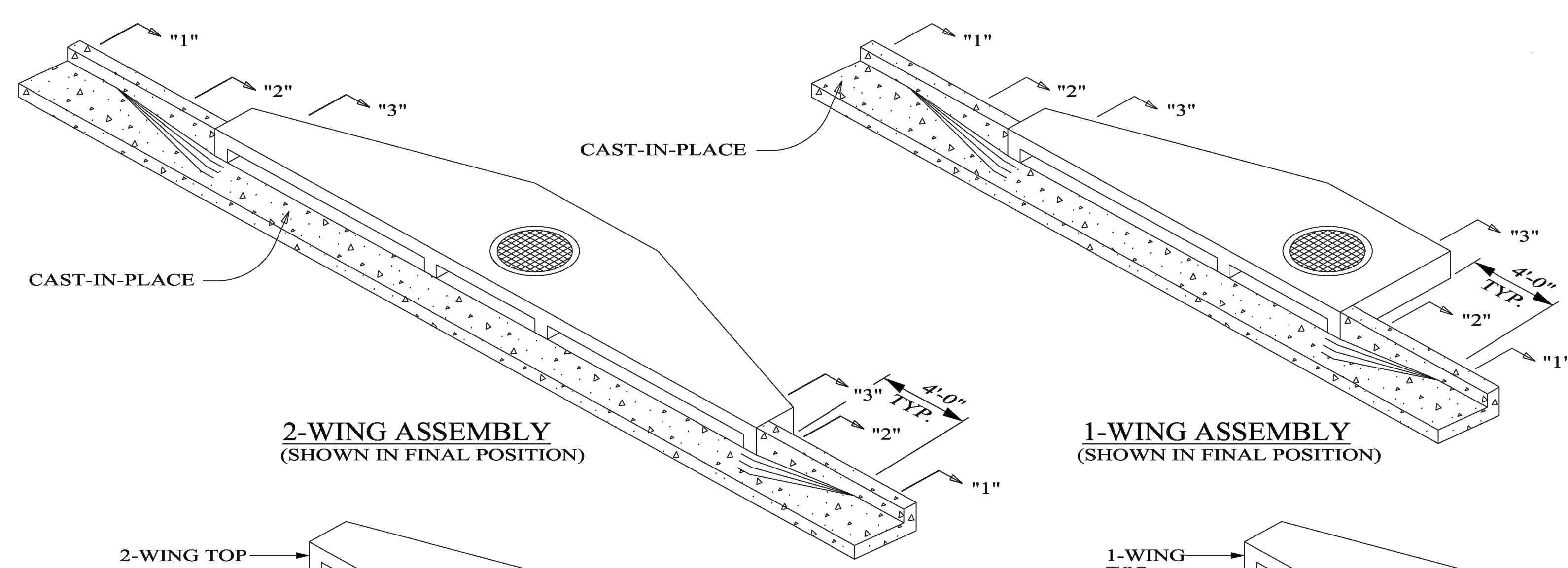


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TANK PLAN & SECTION & DETAILS

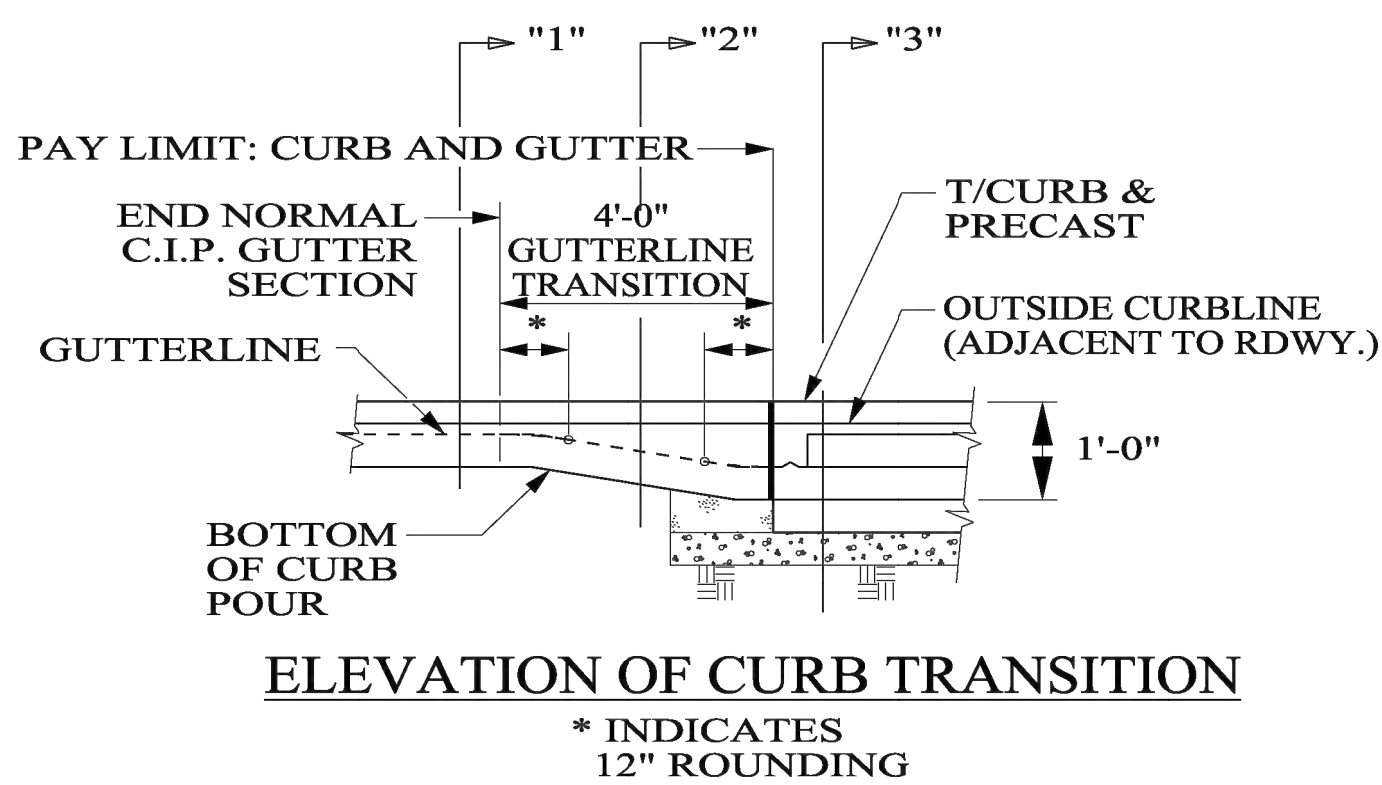
**PROPOSED OSS @
9815 US HWY 119
ALABASTER, AL**
Onsite Septic System (OSS) Design

DATE: OCTOBER, 2023	
JOB NUMBER: EDG-2310	SHEET 3
	OF 3



2-WING ASSEMBLY
(SHOWN IN FINAL POSITION)

1-WING ASSEMBLY
(SHOWN IN FINAL POSITION)



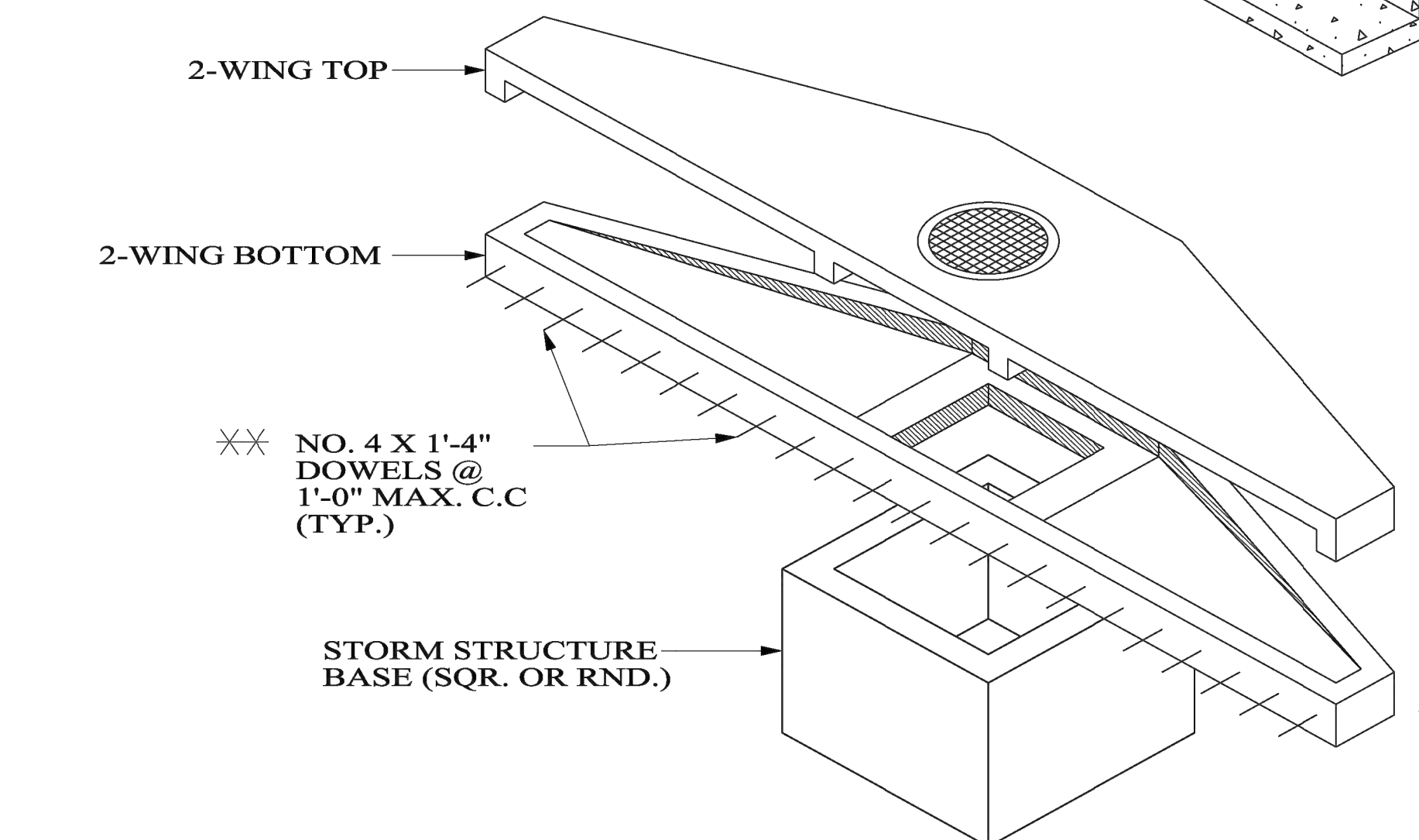
ELEVATION OF CURB TRANSITION

TYPE S1(15"-30")

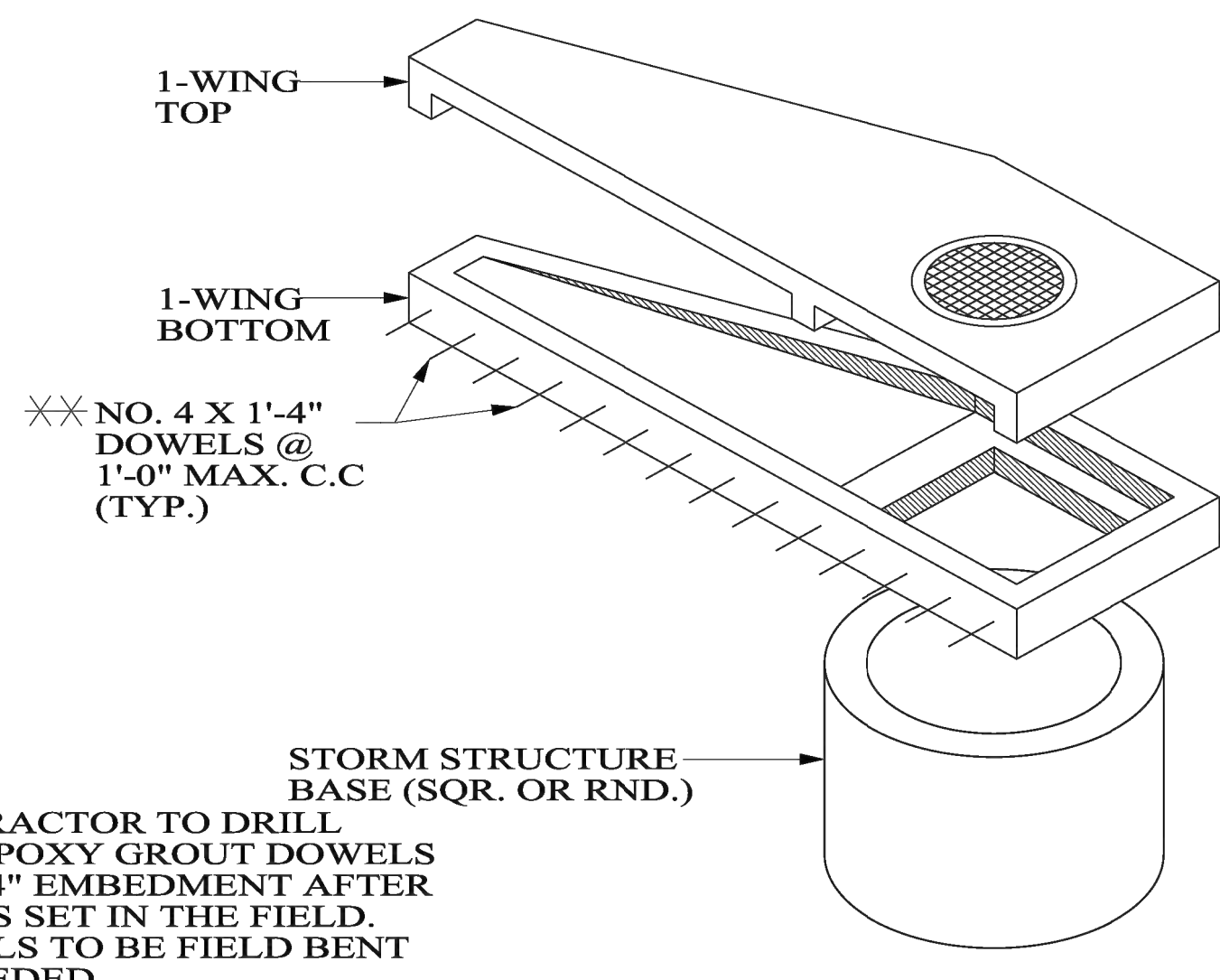
TYPE S2(36"-60")

STANDARD INLET
(FROM WORKING POINT TO OUT FLOWLINE)
S1 (15"-30") = 4'-0"
S2 (36"-60") = 6'-3"

- GENERAL NOTES**
- SEE TYPICAL SECTION AND TABLE OF VALUES FOR STORM STRUCTURE FOR MAXIMUM INSTALLATION DEPTH.
 - JOINTS BETWEEN BASE SECTION AND CURB INLET SHALL BE SEALED WITH GROUT OR BUTYL MASTIC MATERIAL.
 - MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH: 4000 P.S.I.
 - REINFORCING STEEL: TO BE IN ACCORDANCE WITH THE SPECIFICATIONS. MINIMUM YIELD STRENGTH=60 K.S.I.
 - INVERT CHANNELS ARE REQUIRED IN THE BASE. CHANNELS MAY BE FORMED IN CONCRETE OR CONSTRUCTED LATER USING A CEMENT CONCRETE MORTAR. CHANGES IN DIRECTION OF FLOW SHALL HAVE A TRUE CURVE OF AS LARGE A RADIUS AS SIZE WILL PERMIT AND BE FINISHED UP TO THE CENTER OF PIPE.
 - ALL PIPE OPENINGS IN PRECAST UNITS SHALL BE PREFORMED OR CORED.
 - BASE UNIT MAY BE ROUND, SQUARE, OR RECTANGULAR. BASE HEIGHT VARIES TO MEET JOB REQUIREMENTS. THE SIZE OF THE BASE CAN VARY TO ACCEPT LARGER PIPE WITHOUT THE CURB INLET CHANGING. ROUND UNITS TO MEET ASTM C-478, AND SQUARE/RECTANGULAR UNITS TO MEET ASTM C-913.
 - ALL CURB & GUTTER SHALL MEET ALDOT SPECIFICATIONS SECTION 623.
 - APPROVED MANHOLE STEPS OR LADDERS SHALL BE INSTALLED IN STRUCTURES THAT EXCEED 4'-0" IN DEPTH. SEE MANHOLE DETAILS FOR STRUCTURAL REQUIREMENTS.
 - WHERE DIRECTION OF FLOW IS FROM BOTH ENDS OF INLET, SIDEWALK OPENINGS SHALL BE CONSTRUCTED AT BOTH ENDS AND PAYMENT FOR MADE UNDER ITEM: INLET TYPE-S (2-WINGS). WHERE ONLY 1-WING REQUIRED, PAYMENT FOR MADE UNDER ITEM INLET TYPE-S (1-WING).

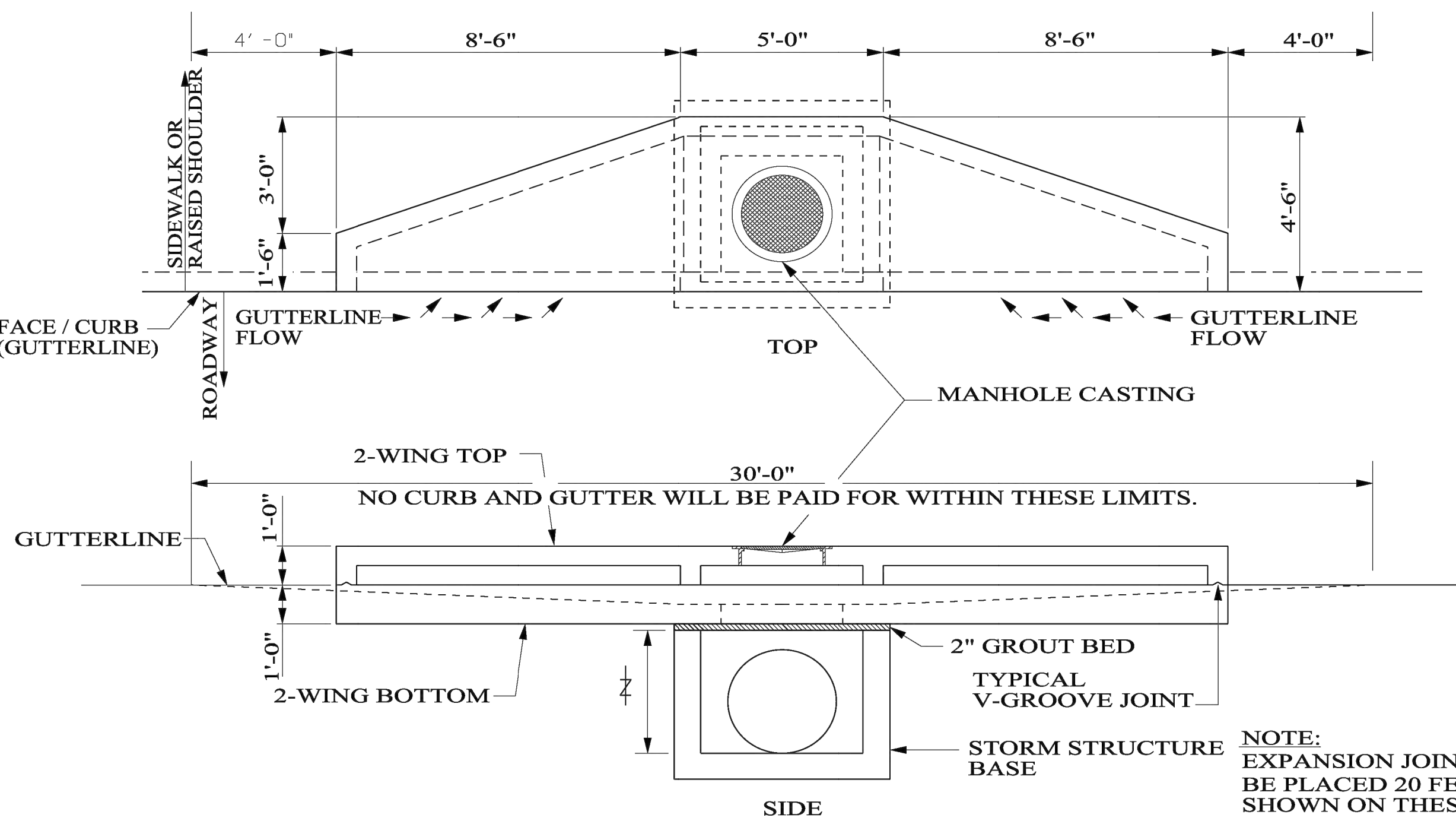


2-WING ASSEMBLY
(SHOWN W/SQUARE STORM STR. BASE)

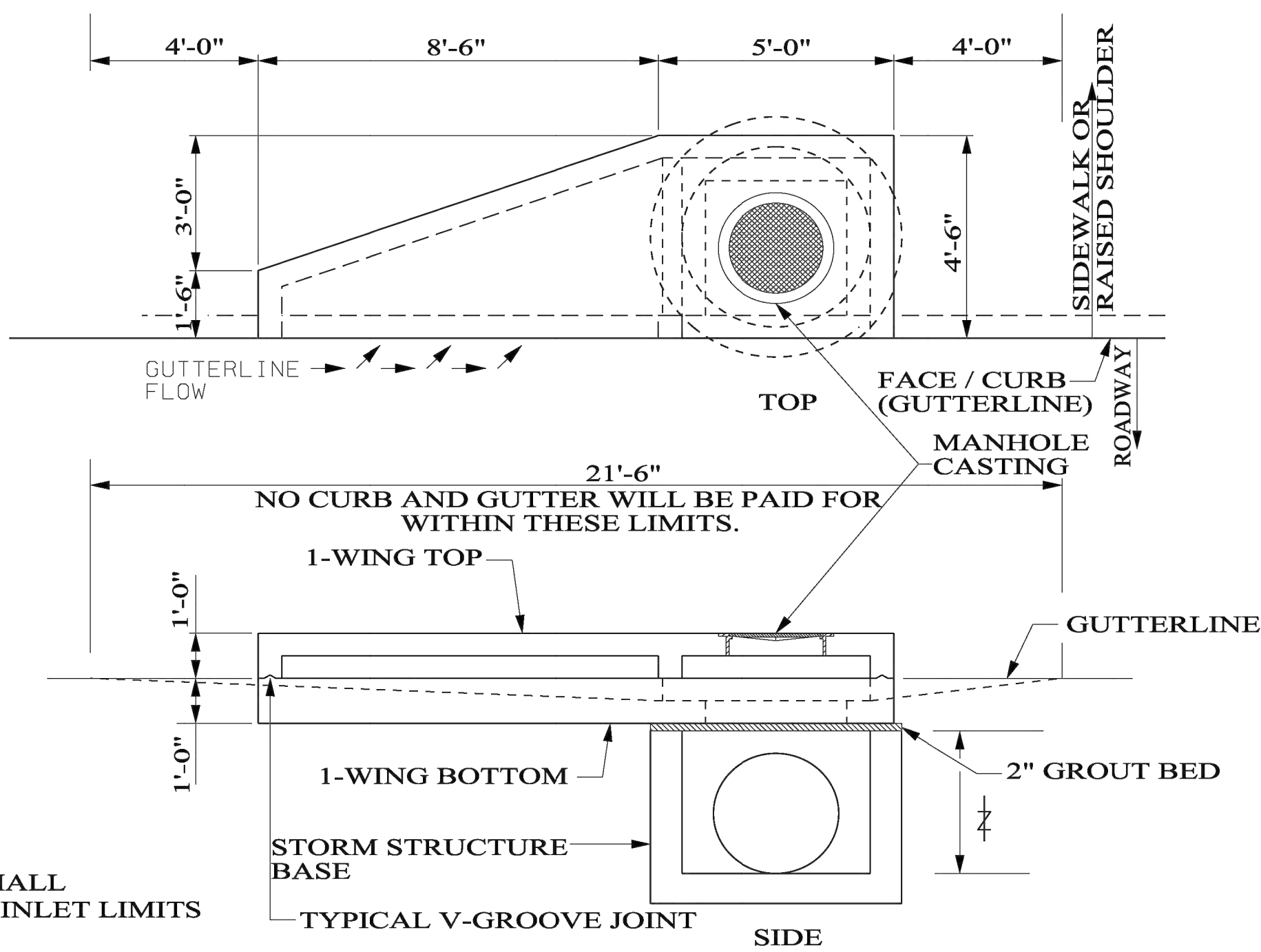


1-WING ASSEMBLY
(SHOWN W/ROUND STORM STR. BASE)

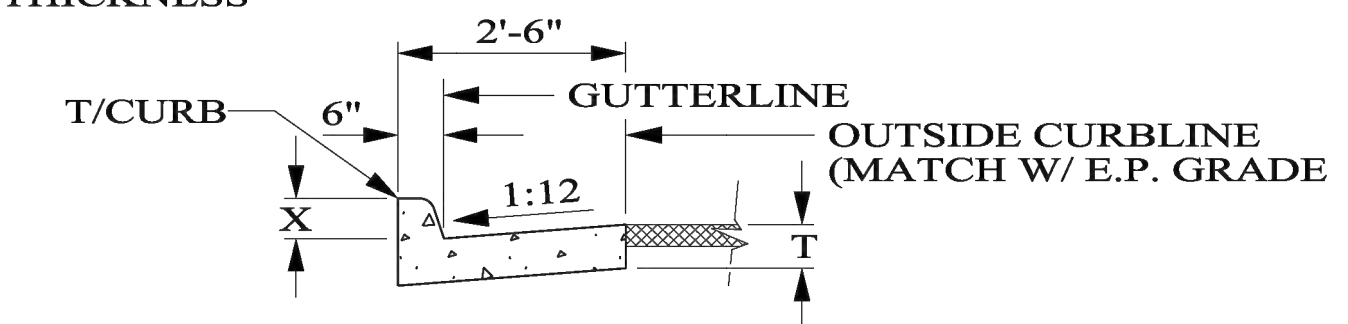
NOTE:
X=PLANS CURB HEIGHT
T=PLANS CURB THICKNESS



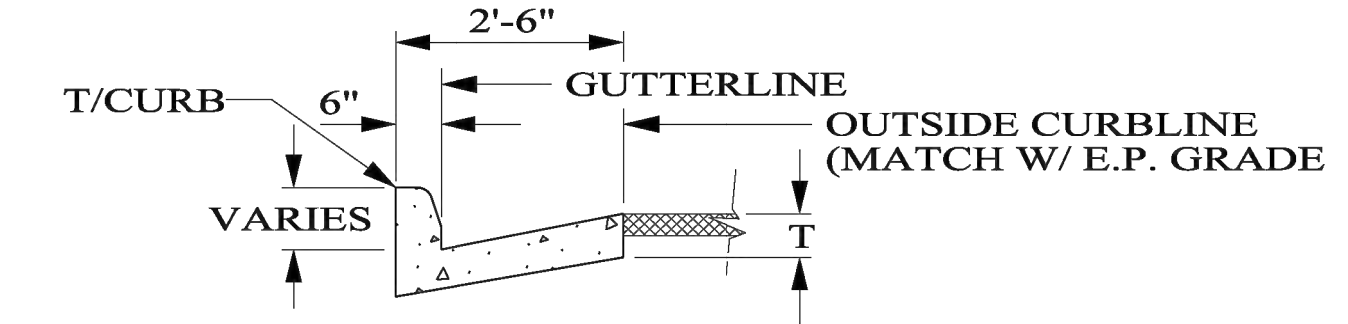
2-WING ASSEMBLY: GENERAL LAYOUT



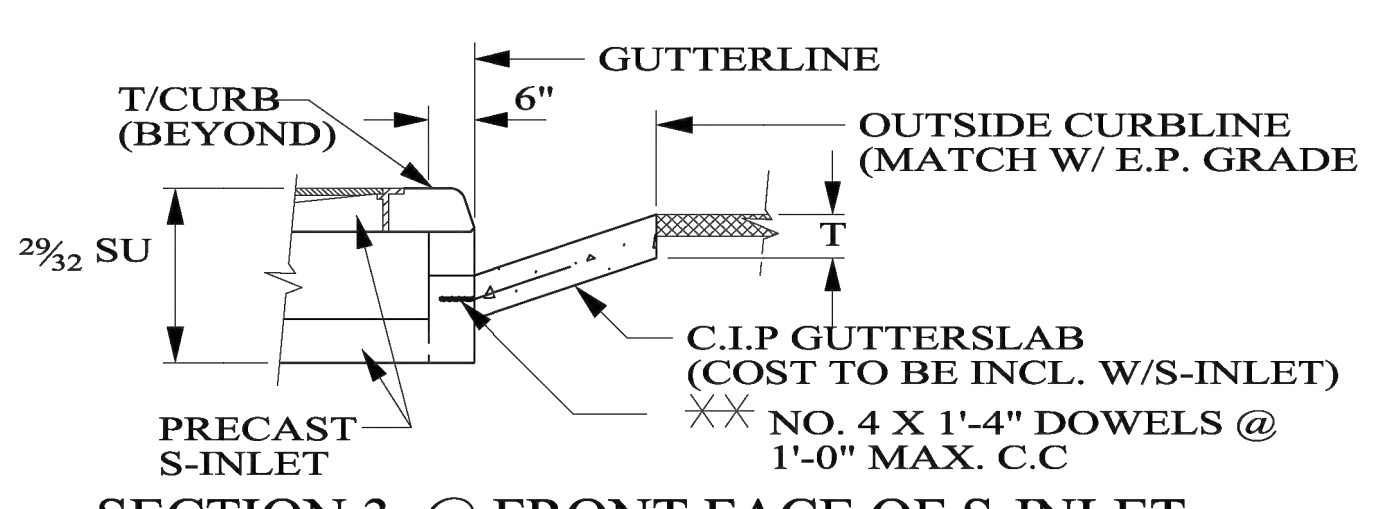
1-WING ASSEMBLY: GENERAL LAYOUT
(SHOWN W/LEFT WING; RIGHT WING ASSEMBLY SIM. OPP. HAND)



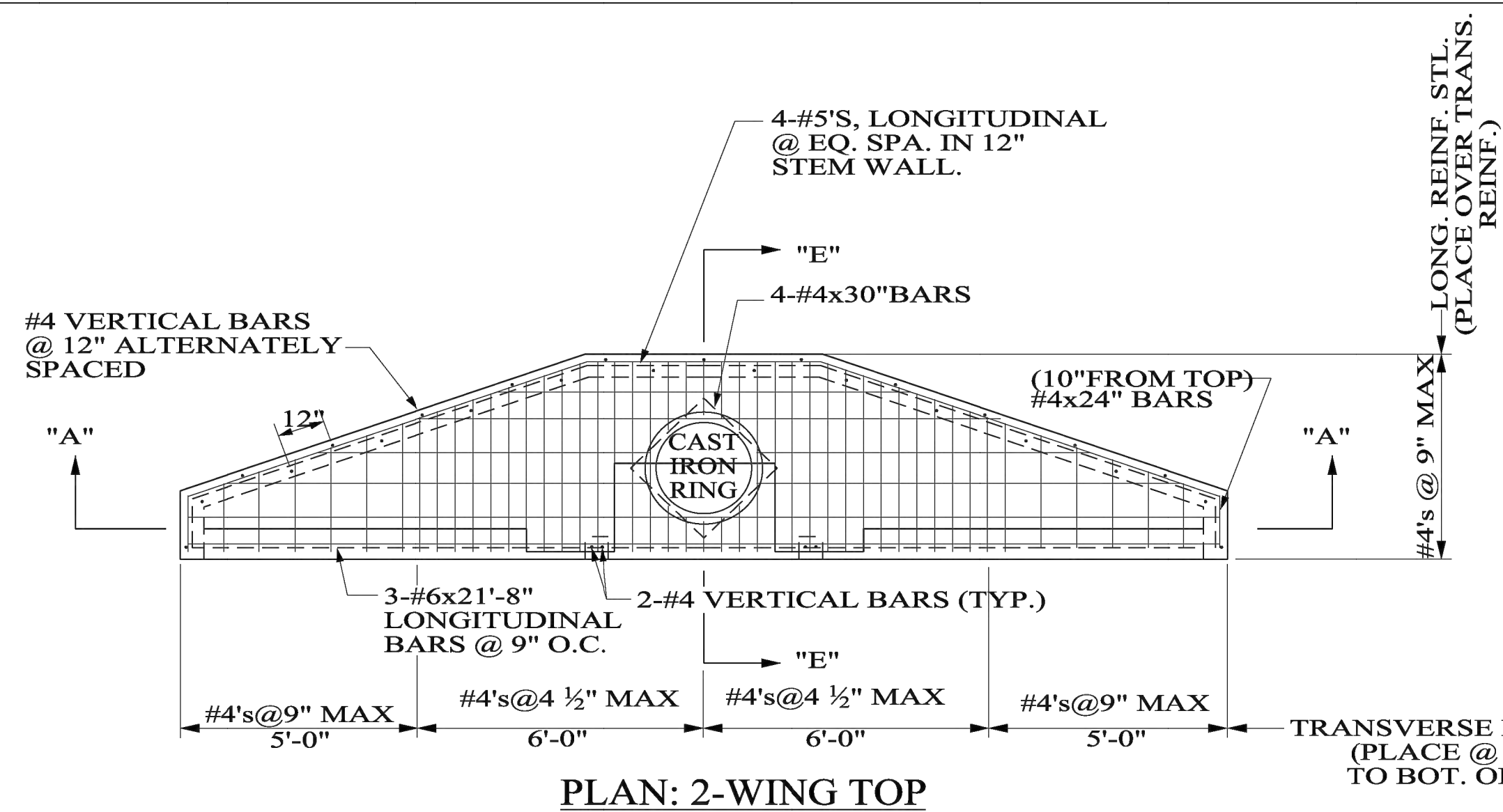
SECTION 1: @ APPROACH CURB & GUTTER
(SEE PROJECT PLAN AND SPECIFICATIONS FOR DETAILS)



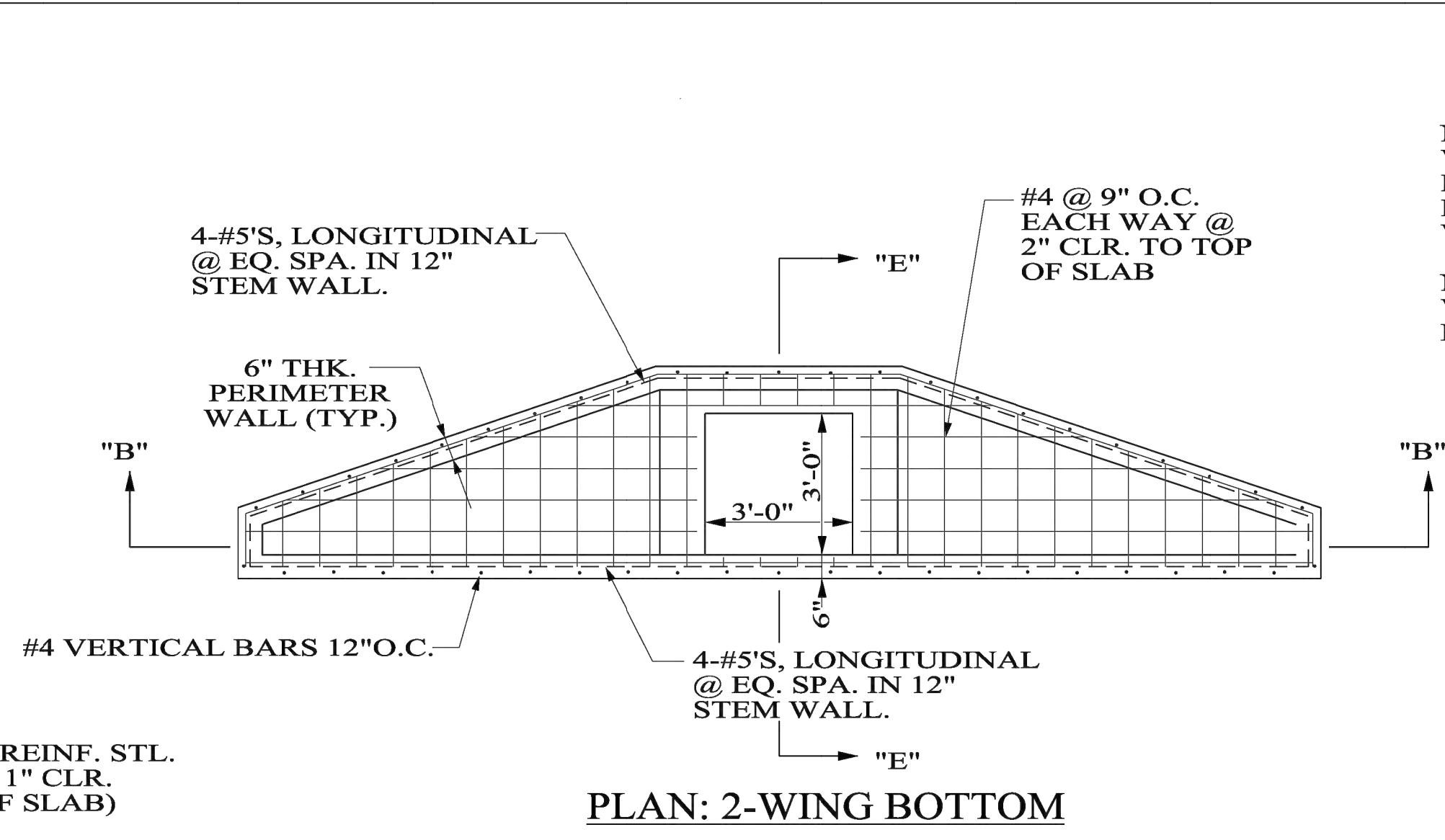
SECTION 2: GUTTERLINE IN TRANSITION



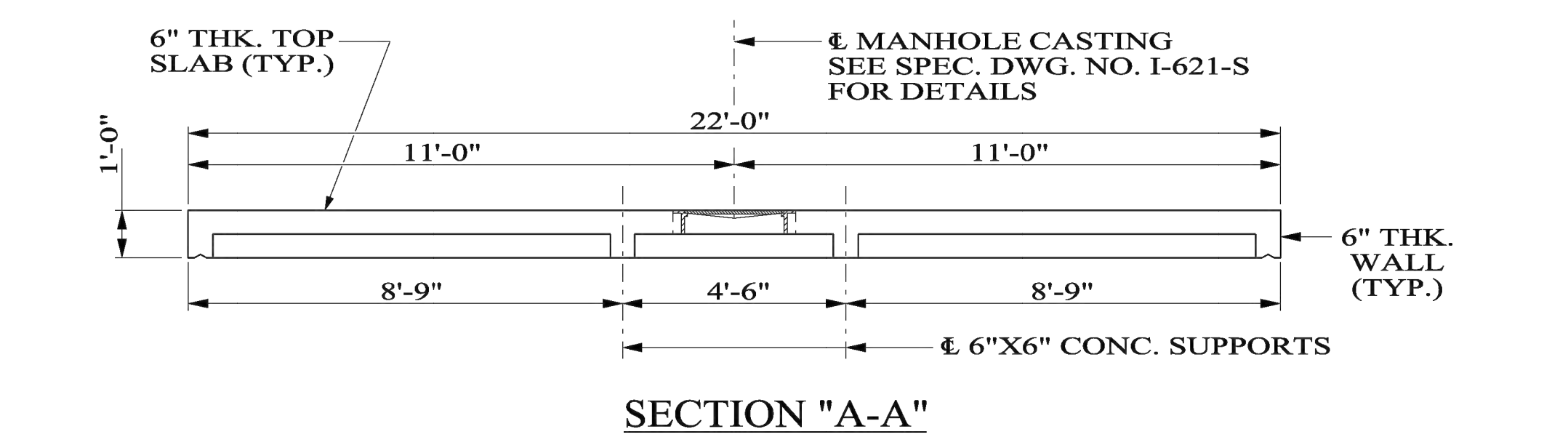
SECTION 3: @ FRONT FACE OF S-INLET



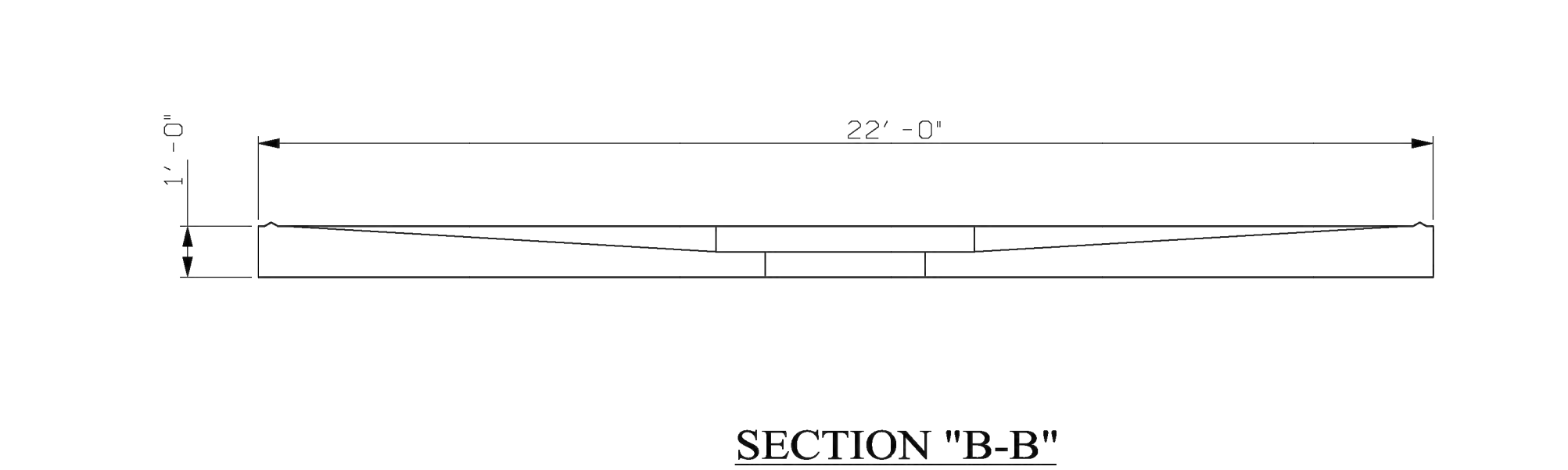
PLAN: 2-WING TOP



PLAN: 2-WING BOTTOM

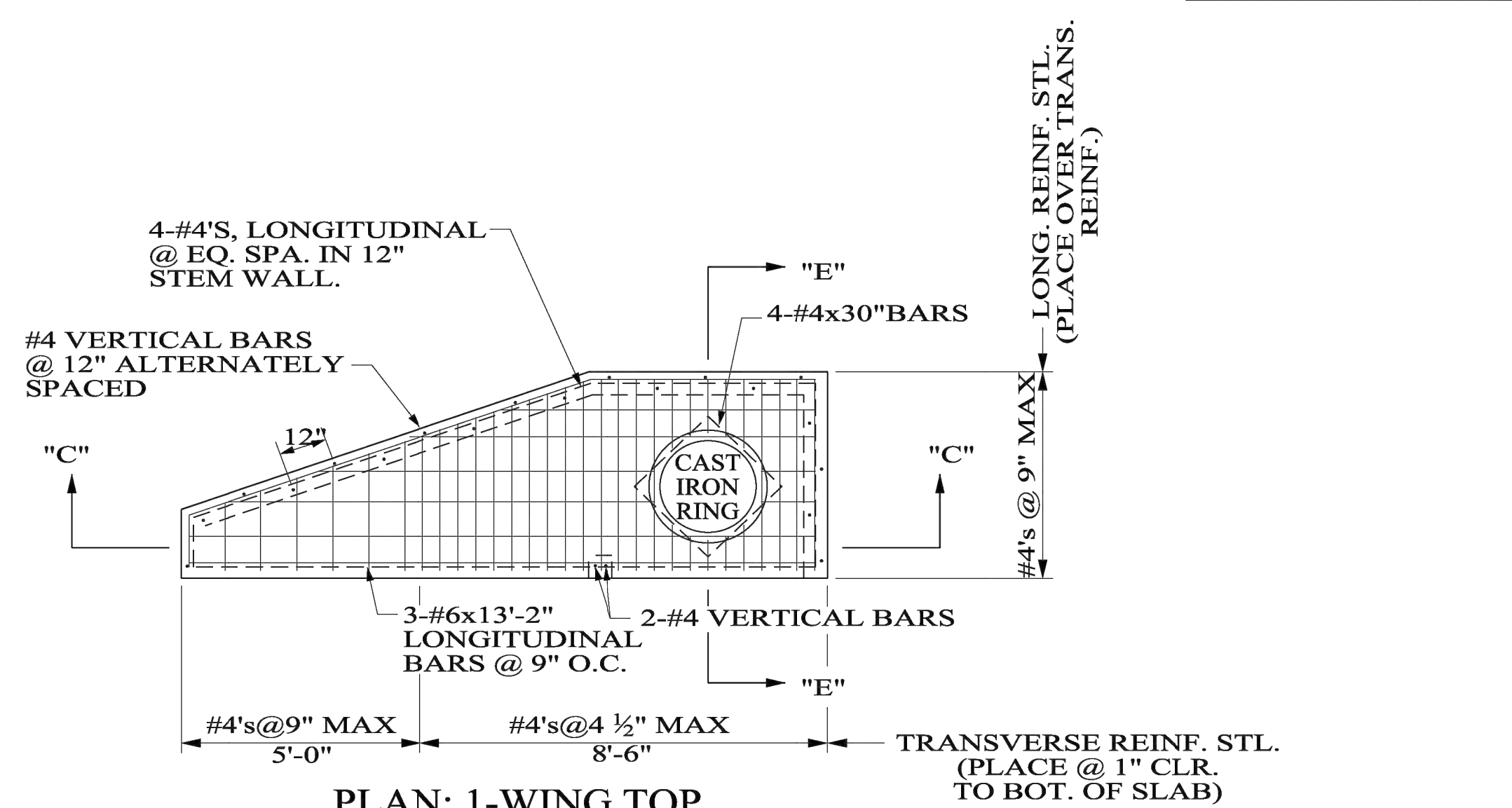


SECTION "A-A"

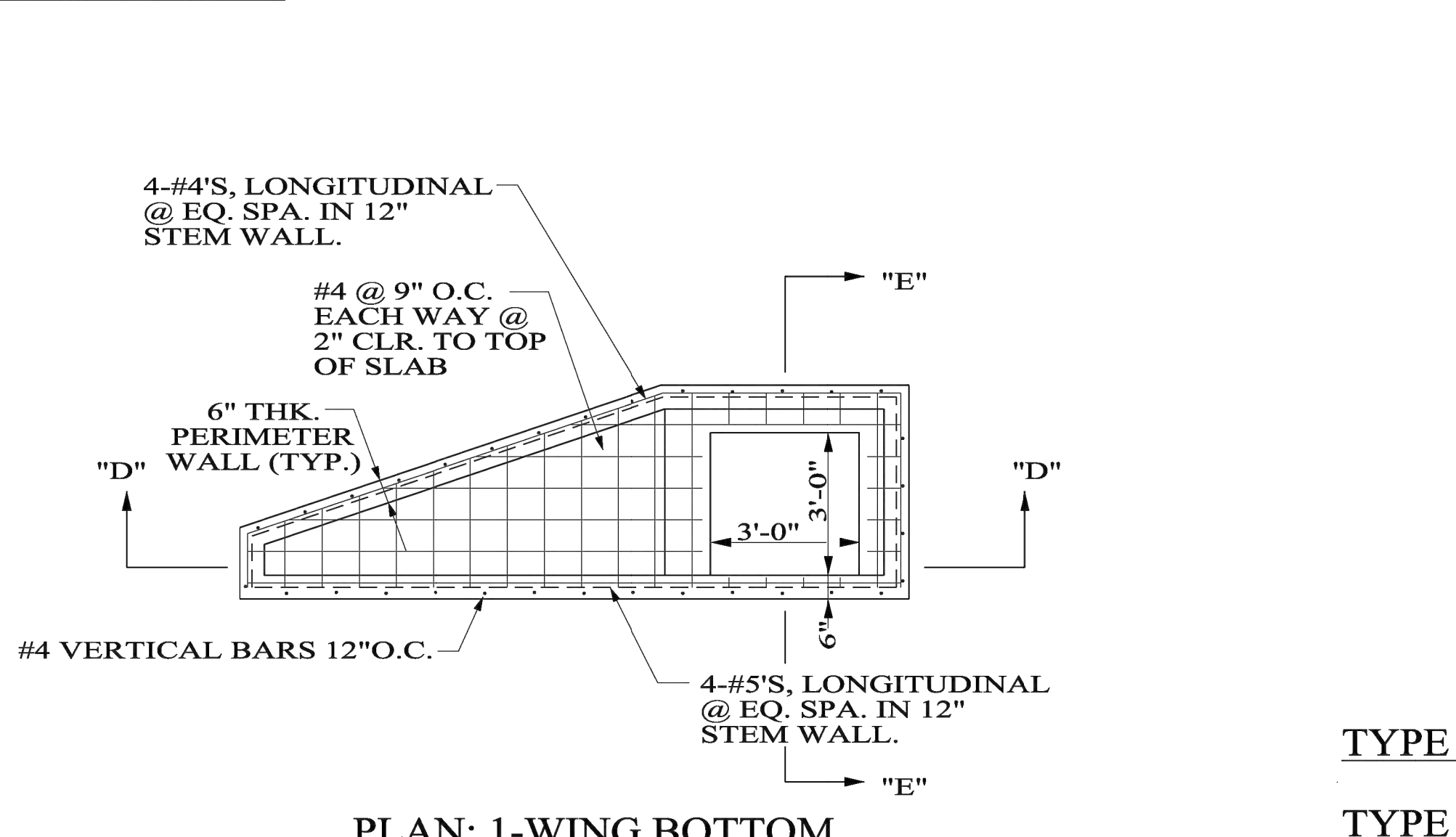


SECTION "B-B"

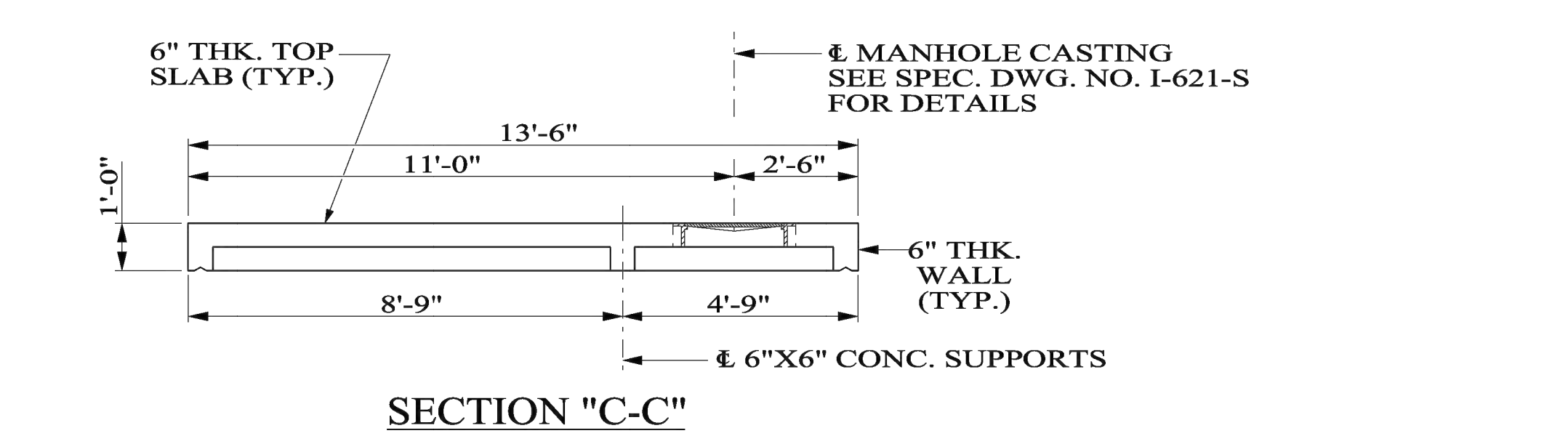
2-WING COMPONENT DETAILS



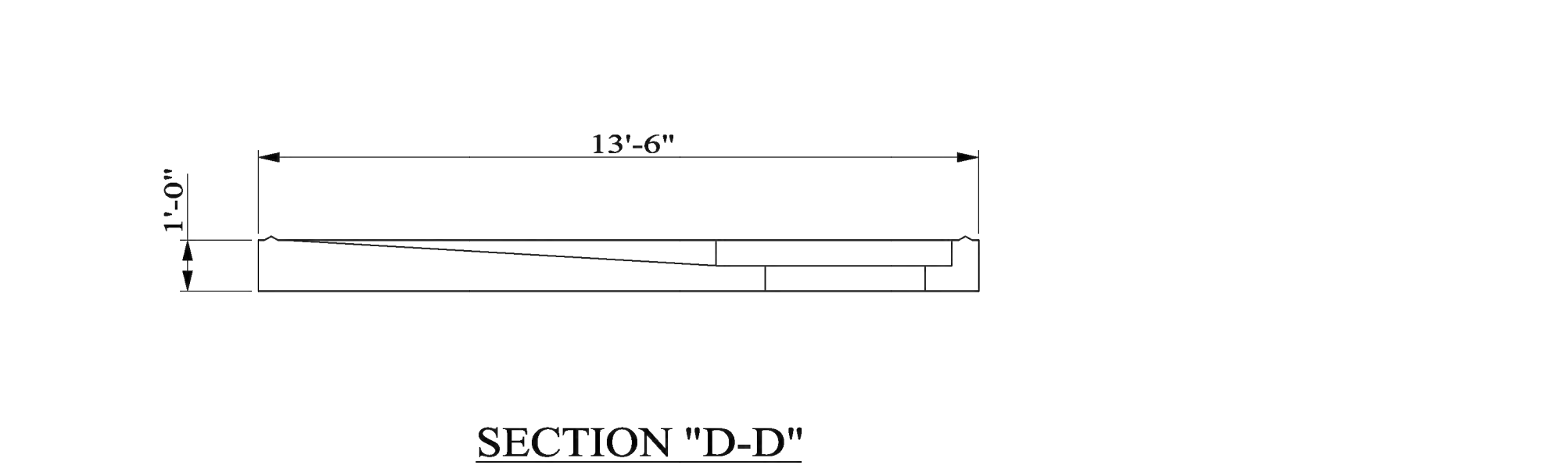
PLAN: 1-WING TOP



PLAN: 1-WING BOTTOM



SECTION "C-C"

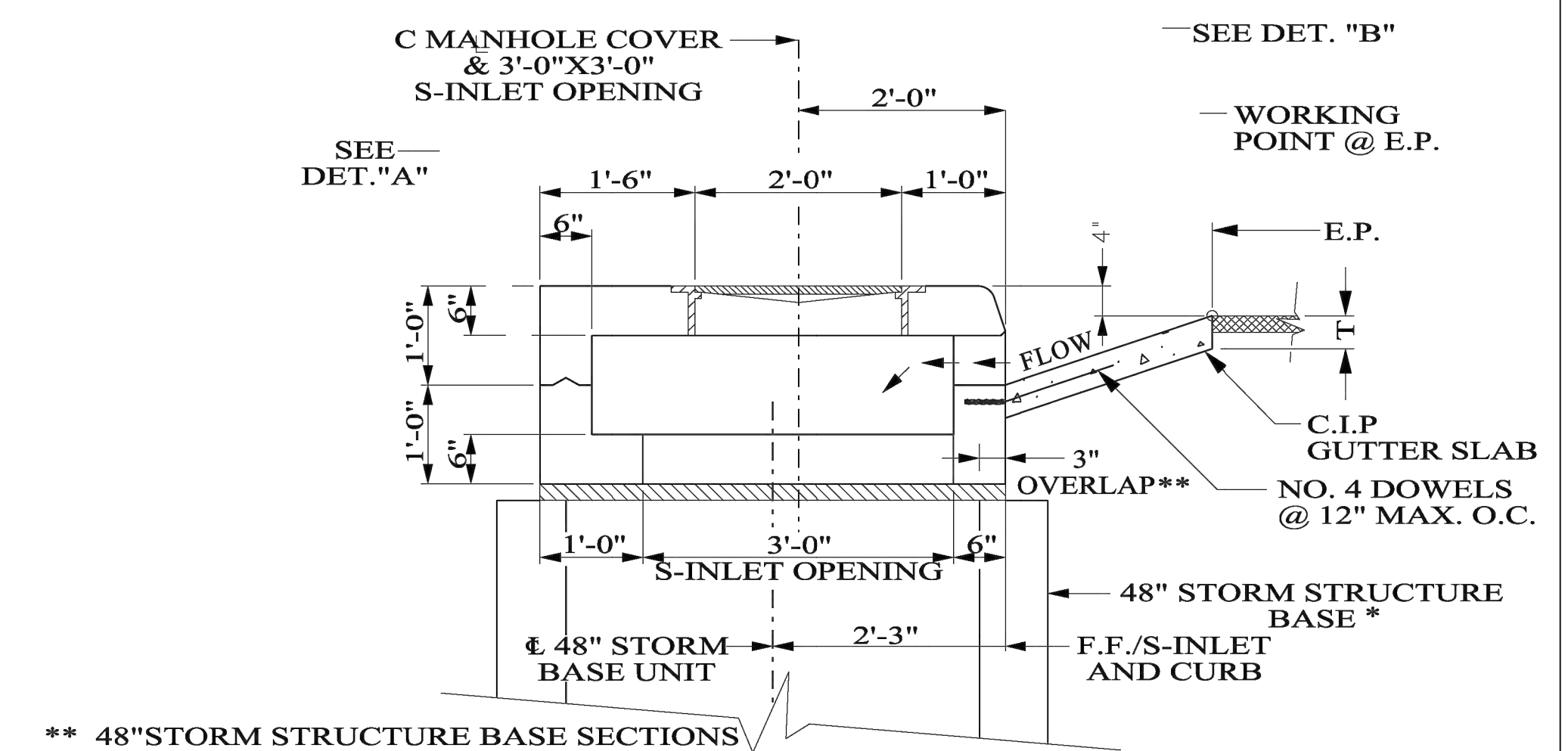


SECTION "D-D"

1-WING COMPONENT DETAILS

NOTE: WELDED WIRE REINFORCEMENT PROVIDING EQUIVALENT AREAS OF REINFORCING STEEL TO THOSE DENOTED MAY BE SUBSTITUTED FOR REINFORCING BARS. WELDED WIRE REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

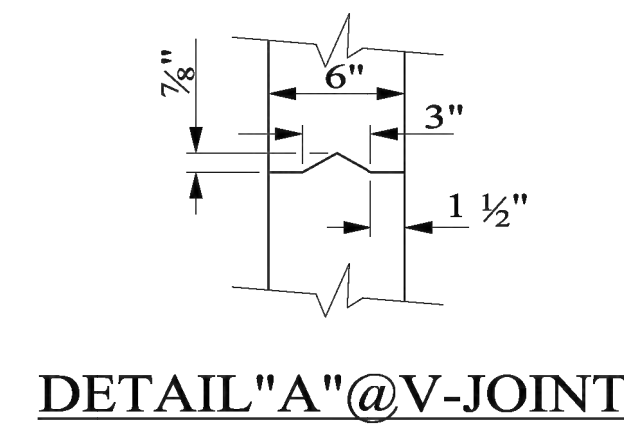
NOTE: WALL AND SLAB THICKNESSES INDICATED ARE MINIMUM VALUES, AND MAY BE INCREASED AT THE DISCRETION OF THE PRECAST MANUFACTURER.



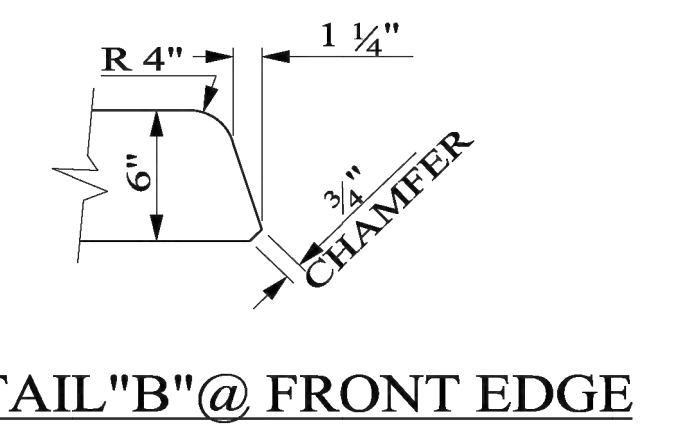
SECTION "E-E"

** 48" STORM STRUCTURE BASE SECTIONS SHALL BE LOCATED HORIZONTALLY SO AS TO ATTAIN AS CLOSE TO PRACTICABLE TO A 3" OVERLAP.

* FOR BASE SECTIONS ADJACENT TO BOTTOM OF S-INLET WHICH ARE GREATER THAN 48" BETWEEN FACES OF INSIDE WALLS, A REDUCER SLAB WILL BE REQUIRED. CENTER OF LARGER DIA. BASES WILL ALSO BE PLACED 27" FROM FACE OF CURBS.



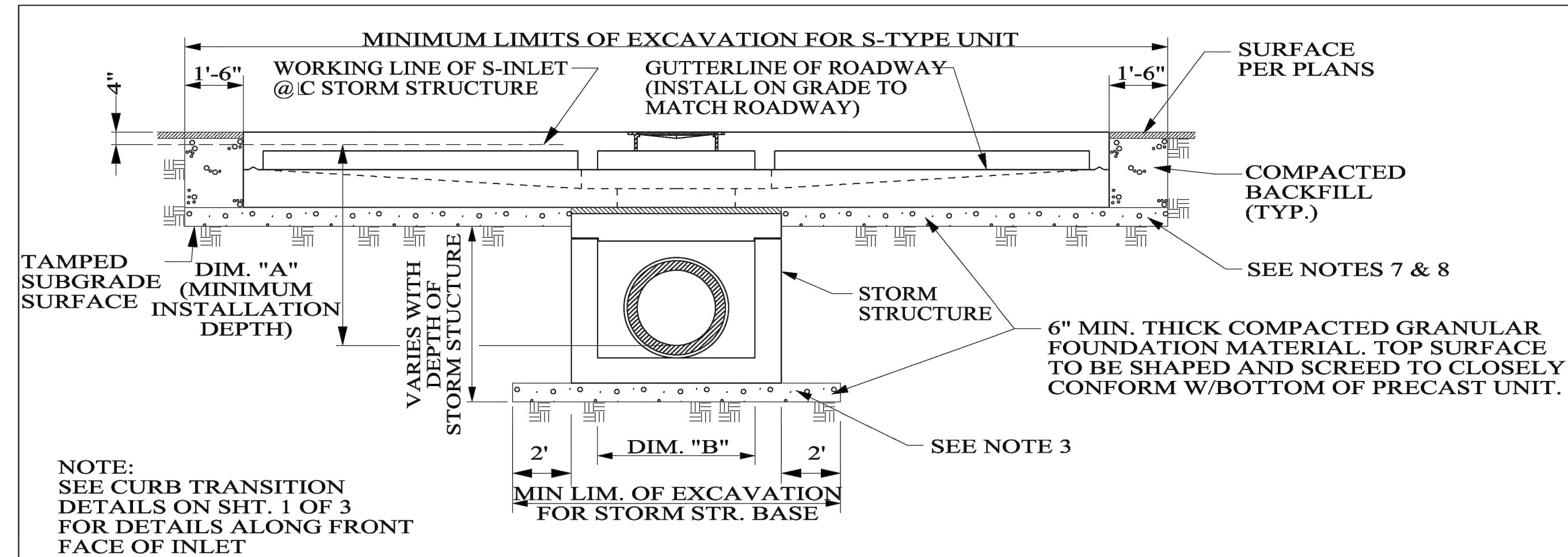
DETAIL "A" @ V-JOINT



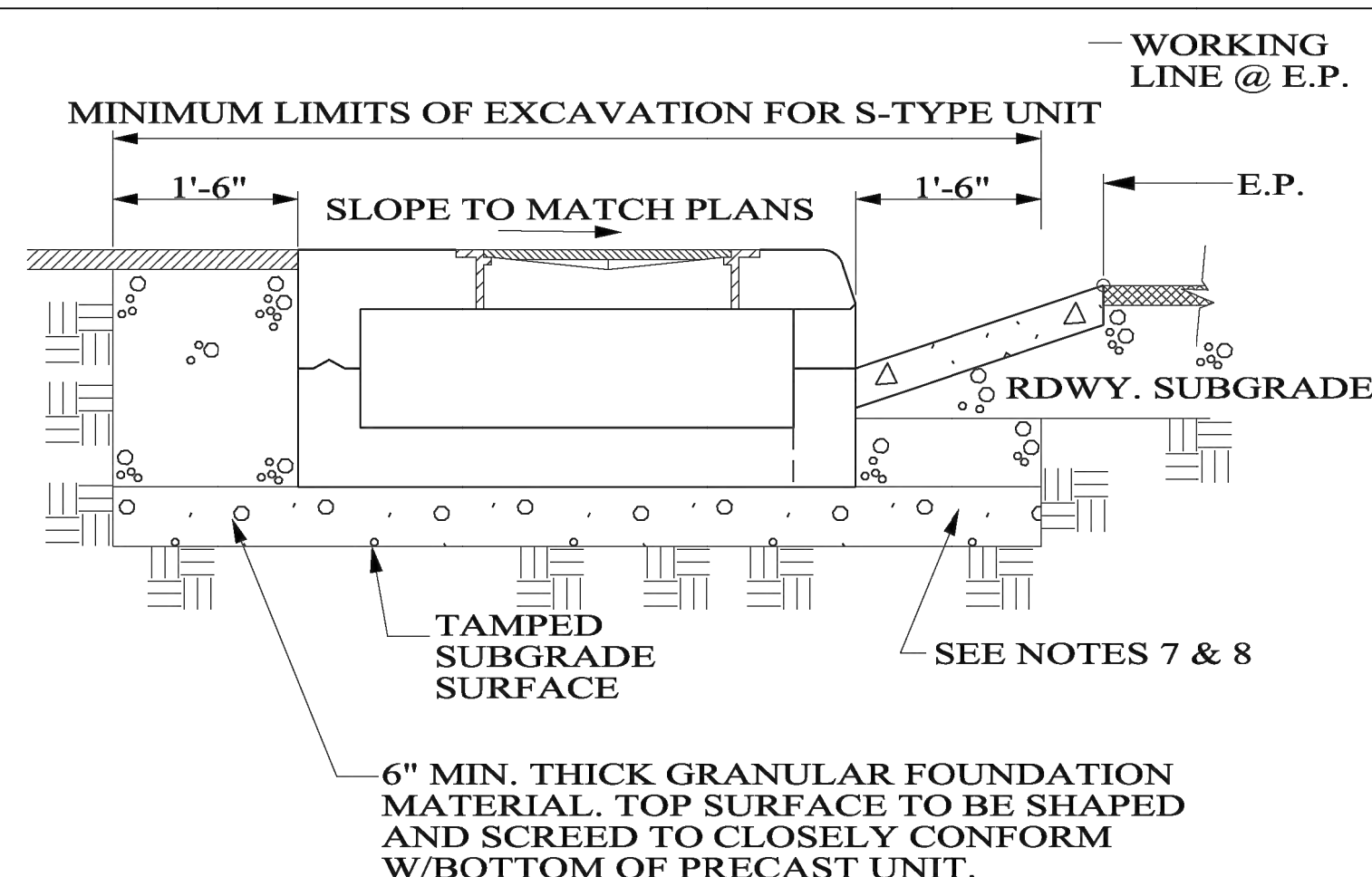
DETAIL "B" @ FRONT EDGE

TYPE S1(15"-30")

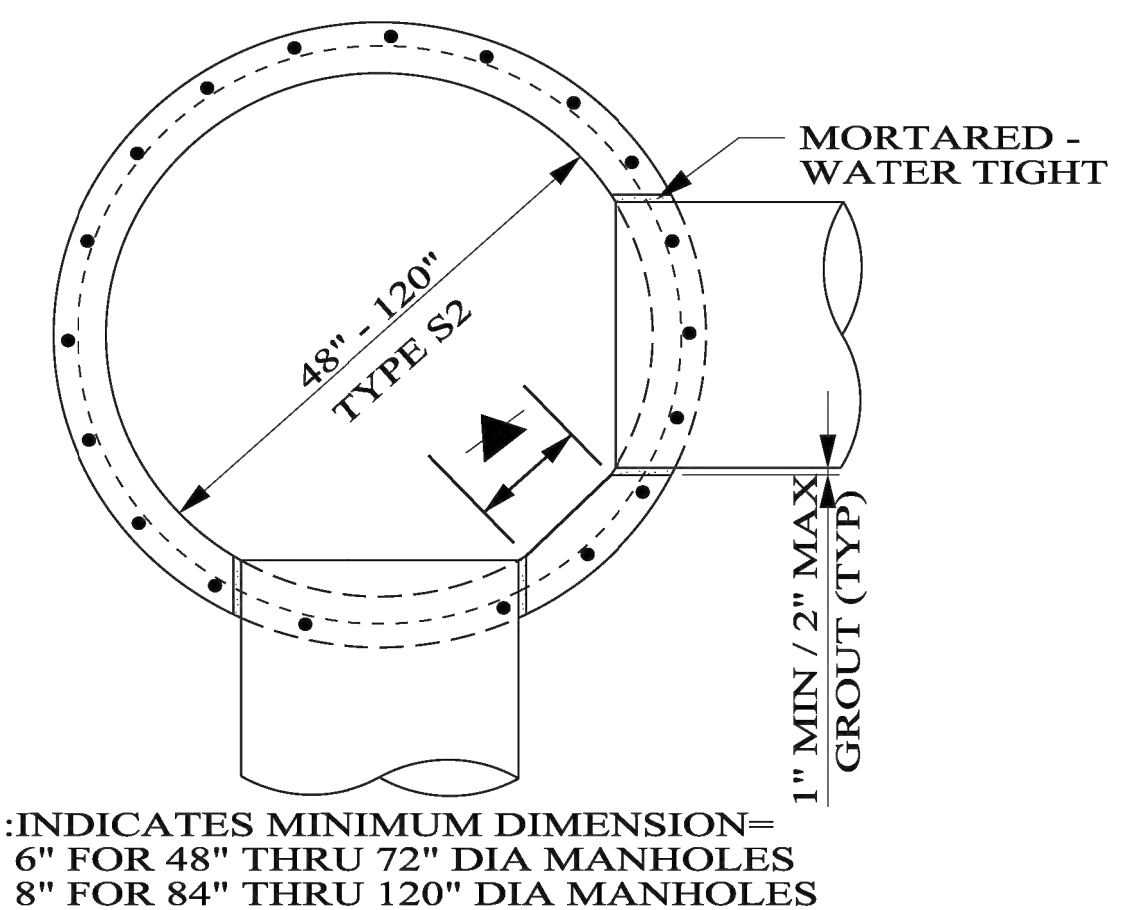
TYPE S2(36"-60")



SECTION SHOWING TYPICAL S-INLET INSTALLATION
(SHOWN @ 2-WING S-INLET: 1-WING INSTALLATION SIMILAR)



TRANSVERSE SECTION

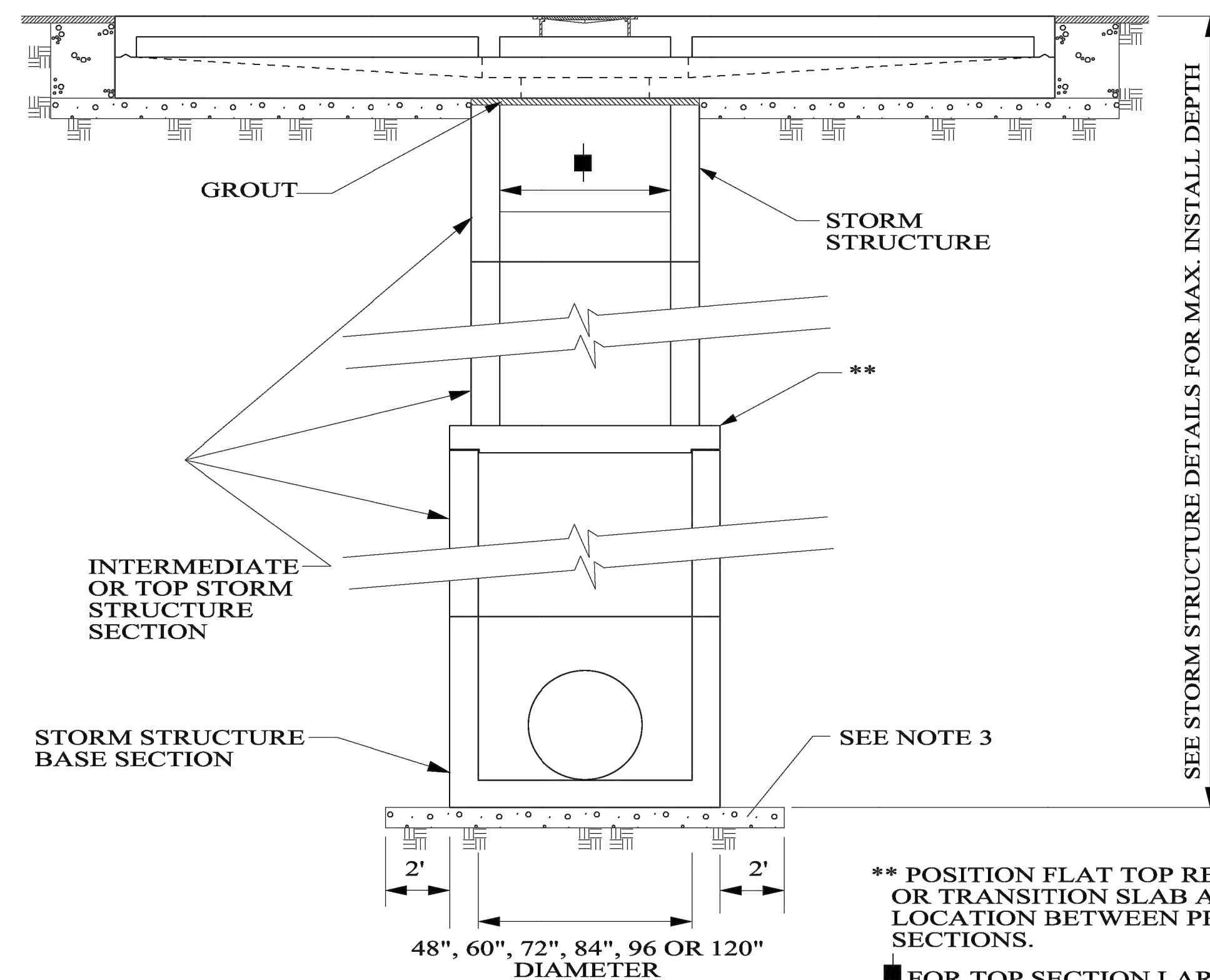


HORIZONTAL SECTION @ CIRCULAR BASE

	TYPE S1 INLET			TYPE S2 INLET					
	DIM. "B"=48"			DIM. "B"=60" THRU 120"					
STORM PIPE DIA	18"	24"	30"	30"	36"	42"	48"	54"	60"
MIN REQ'D DIM. "A"	4'-3"	4'-9"	5'-4"	6'-0"	6'-8"	7'-3"	7'-9"	8'-3"	8'-9"

DIM. "A": MINIMUM REQ'D INSTALLATION DEPTH *
(REQUIRED FOR TYPICAL S-INLET INSTALLATION)

* MINIMUM INSTALLATION DEPTH, DIMENSION "A" = VERTICAL DISTANCE FROM WORKING LINE OF S-INLET TO INVERT OF STORM PIPE. THE TABULAR MINIMUM INSTALLATION DEPTH IS REQUIRED FOR TYPICAL S-INLET INSTALLATIONS AS SHOWN ON THIS SHEET. INSTALLATIONS WHERE DIMENSION "A" IS LESS THAN THE TABULAR VALUE MAY BE PERMISSIBLE UTILIZING A SPECIAL STORM STRUCTURE DESIGN.

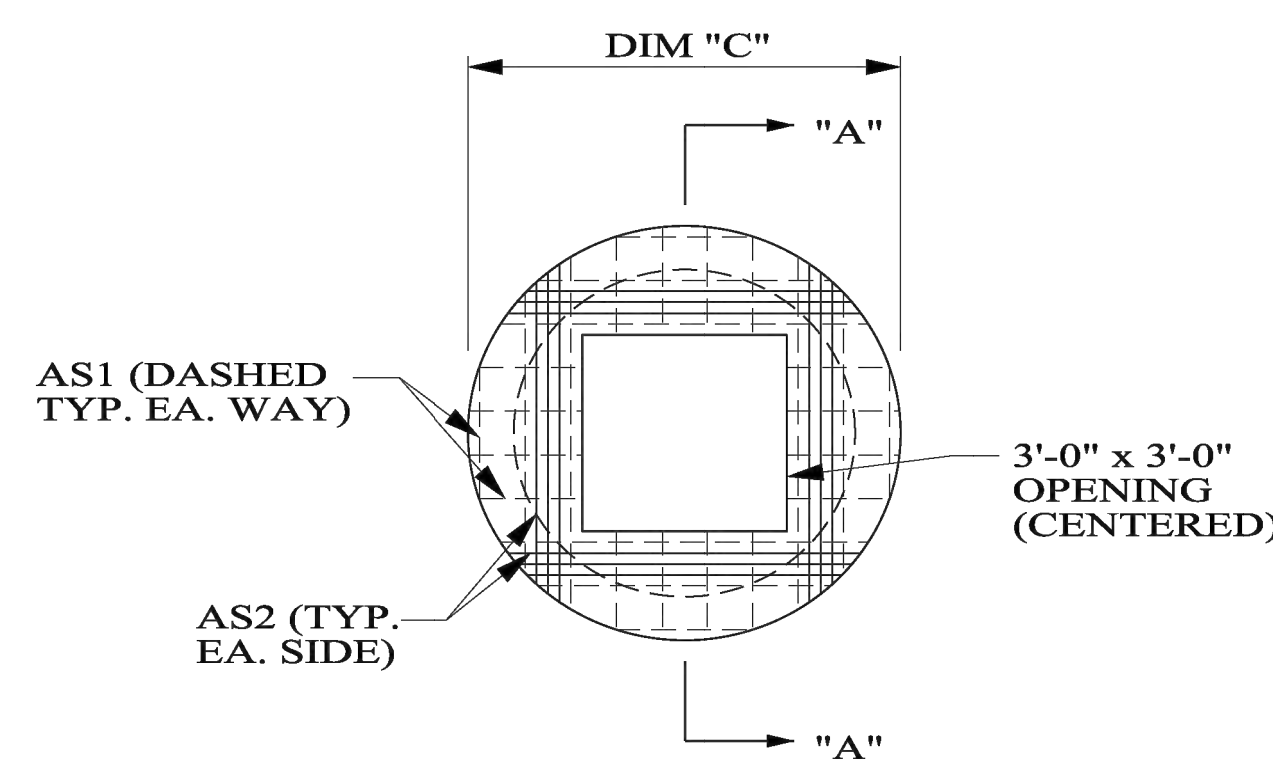


SECTION @ MULTIPLE ROUND STORM STRUCTURE CONSTRUCTION
(SHOWN @ 2-WING S-INLET: 1-WING INSTALLATION SIMILAR)

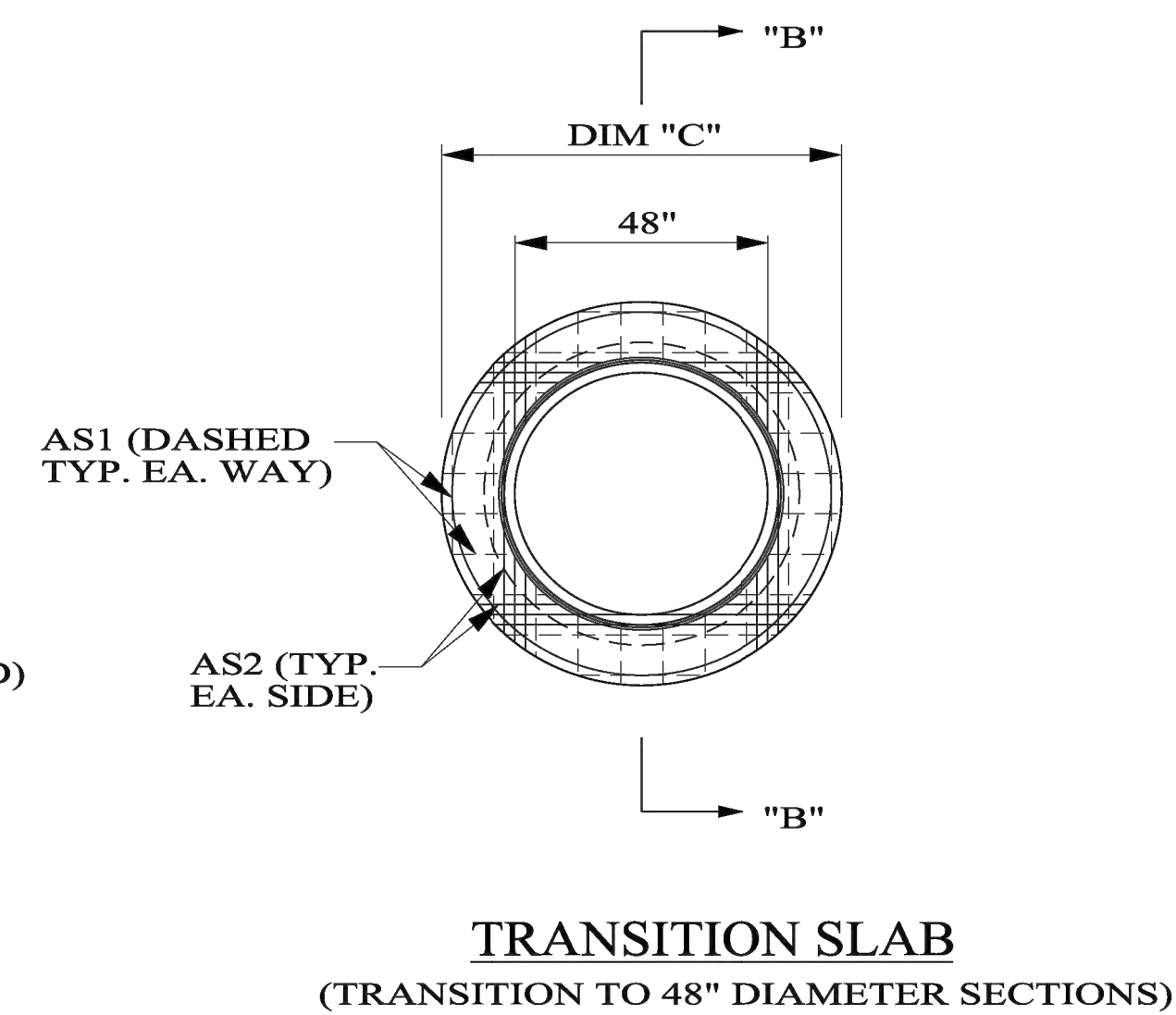
TYPICAL INSTALLATION DETAILS
(SHOWN @ 2-WING S-INLET)

TYPE S1 (15"-30")

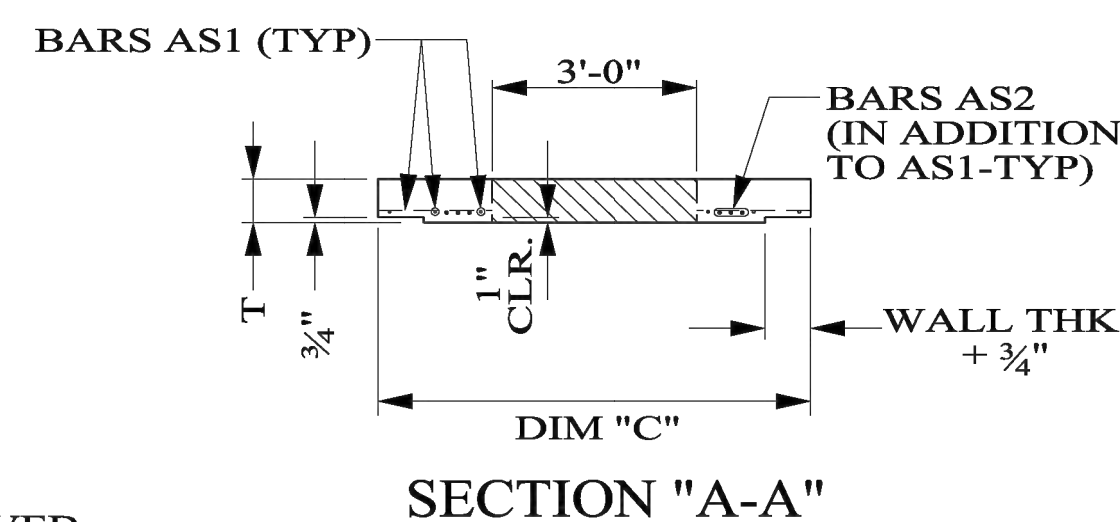
TYPE S2 (36"-60")



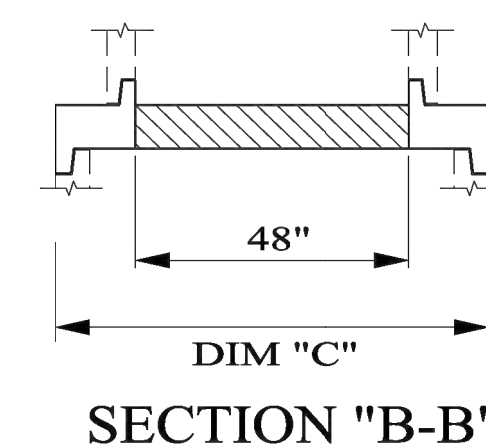
FLAT TOP REDUCER SLAB



TRANSITION SLAB
(TRANSITION TO 48" DIAMETER SECTIONS)



SECTION "A-A"

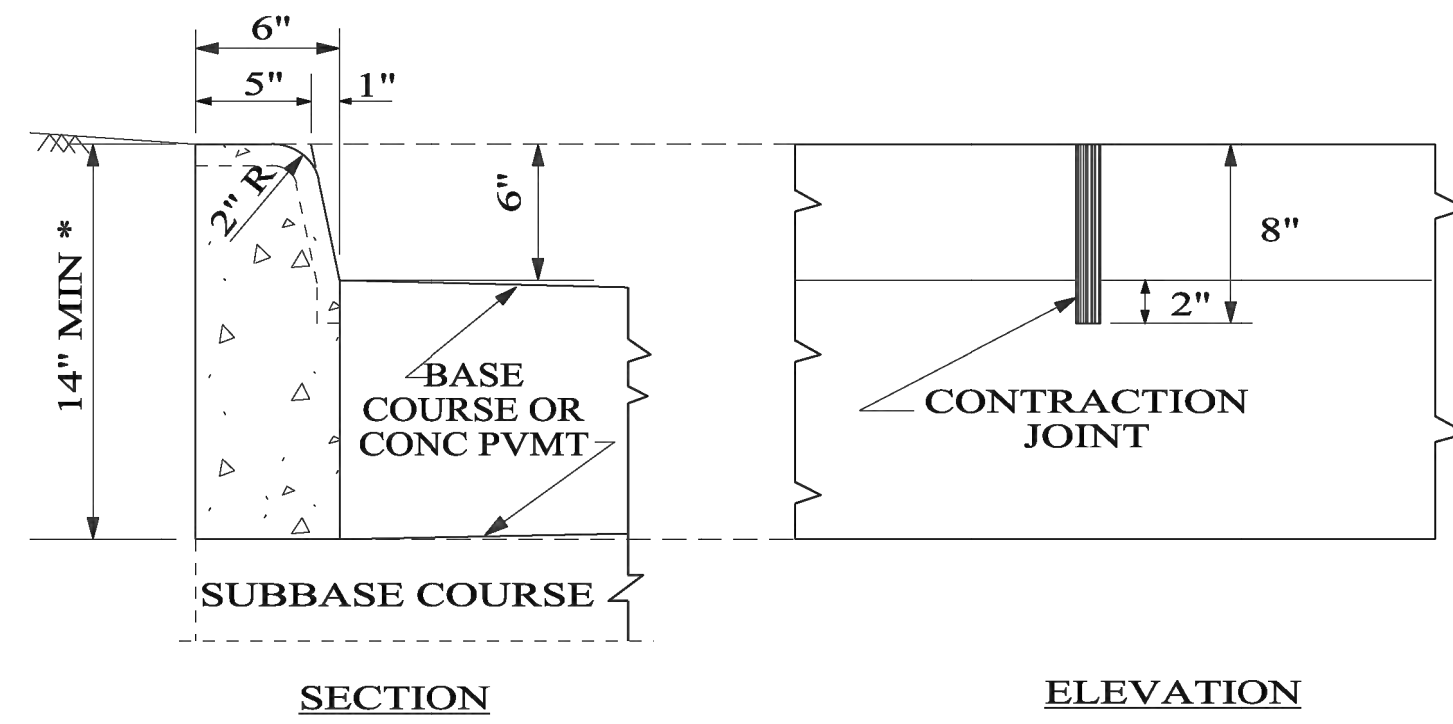


SECTION "B-B"

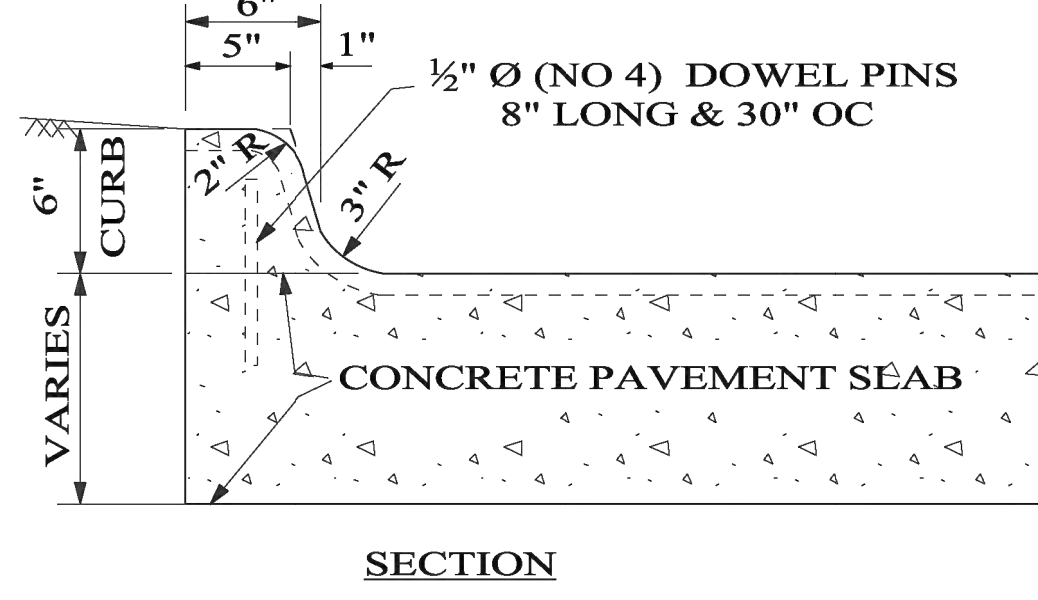
DIM "C"	ROUND MANHOLE I.D.	REQ'D THK., T	REINFORCING STEEL	
			AS1	AS2
72"	60"	8	NO. 5 @ 9"	3-NO. 6
86"	72"	8	NO. 5 @ 9"	4-NO. 6
100"	84"	8	NO. 6 @ 9"	4-NO. 6
114"	96"	8	NO. 6 @ 8"	5-NO. 6
142"	120"	12	NO. 6 @ 6"	5-NO. 6

- SUGGESTED INSTALLATION PROCEDURE**
- EXCAVATE AREA FOR PRECAST STORM STRUCTURE BASE TO THE LIMITS INDICATED AND EXCAVATE TRENCH FOR DRAINAGE PIPE.
 - UNDERCUT AND REPLACE ANY AREAS OF UNSUITABLE SUBGRADE MATERIALS. FIRMLY TAMP SUBGRADE MATERIAL AND TRIM TO LIMITS INDICATED.
 - PLACE A SIX (6) INCH MINIMUM THICKNESS OF GRANULAR FOUNDATION FILL MATERIAL. TOP SURFACE OF FOUNDATION FILL TO BE SCREEDED AND SHAPED AS CLOSE AS PRACTICABLE TO CONFORM TO BOTTOM PROFILE OF PRECAST STORM STRUCTURE BASE UNIT.
 - SET PRECAST STORM BASE INTO PLACE ON TOP OF PREPARED SURFACE.
 - INSTALL DRAINAGE PIPE PER PLANS AND SPECIFICATIONS TO A MINIMUM DISTANCE OF 5 FEET BEYOND THE PROPOSED LIMITS OF THE S-INLET EXTERIOR WALLS ABOVE.
 - PLACE PIPE BEDDING AND BACKFILL PER SPECIFICATIONS AND PLACE COMPACTED BACKFILL FOR THE STORM STRUCTURE BASE UP TO THE SUBGRADE LEVEL FOR THE S-INLET.
 - PLACE MINIMUM FOUR (4) INCH THICK COURSE GRANULAR FOUNDATION FILL MATERIAL. TOP SURFACE OF FOUNDATION FILL TO BE SCREEDED AND SHAPED AS CLOSE AS PRACTICABLE TO CONFORM TO BOTTOM OF PRECAST S-INLET AND TAMPED INTO PLACE. FOUNDATION FILL SURFACE SHALL CONFORM WITH GUTTERLINE AND ROADWAY TEMPLATE CROSS SLOPE.
 - SPREAD A UNIFORM LAYER OF 2 INCHES OF SAND OR OTHER SMALL DIAMETER GRANULAR MATERIAL ON TOP OF GRANULAR FOUNDATION MATERIAL AND SCREED TO REQUIRED SUBGRADE ELEVATION.
 - PLACE S-UNIT BASE SECTION, CHECK HORIZONTAL ALIGNMENT WITH FACE OF CURB AND VERTICAL ALIGNMENT VS. PROPOSED TOP OF CURB ELEVATIONS.
 - REMOVE S-UNIT BASE AND ADJUST SUBGRADE CONFIGURATION IF REQUIRED.
 - PLACE S-UNIT BASE IN FINAL POSITION AND SEAL INTERFACE BETWEEN TOP OF STORM STRUCTURE AND BOTTOM OF S-UNIT BASE WITH APPROVED CEMENTIOUS GROUT.
 - PLACE CAST-IN-PLACE CURB AND GUTTER.

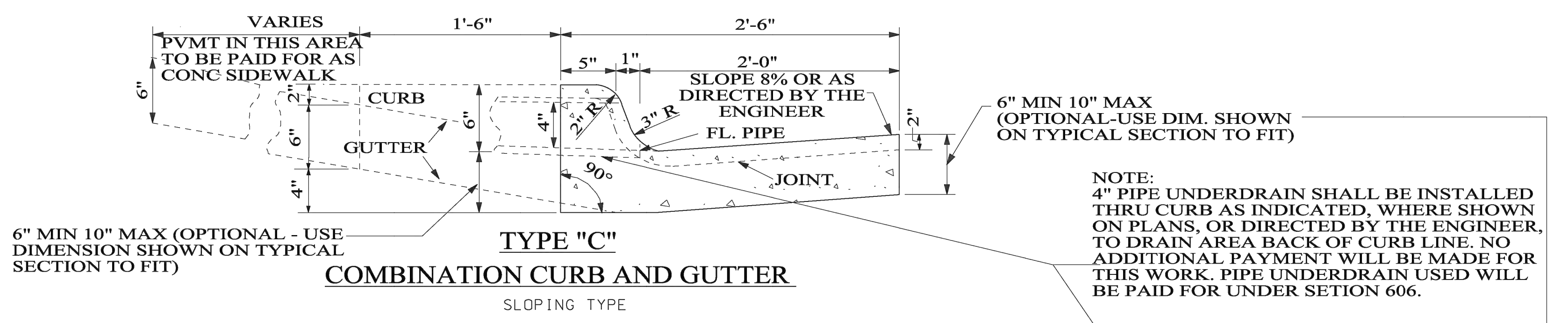
NOT TO SCALE --SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION



TYPE "A"
VERTICAL TYPE

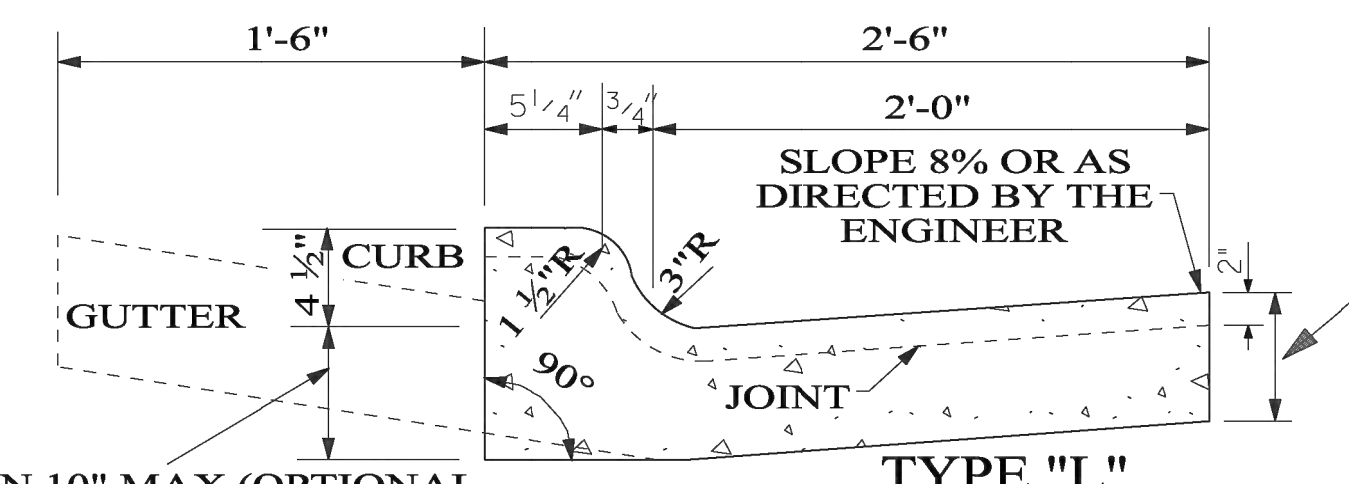


TYPE "B"
SLOPING TYPE



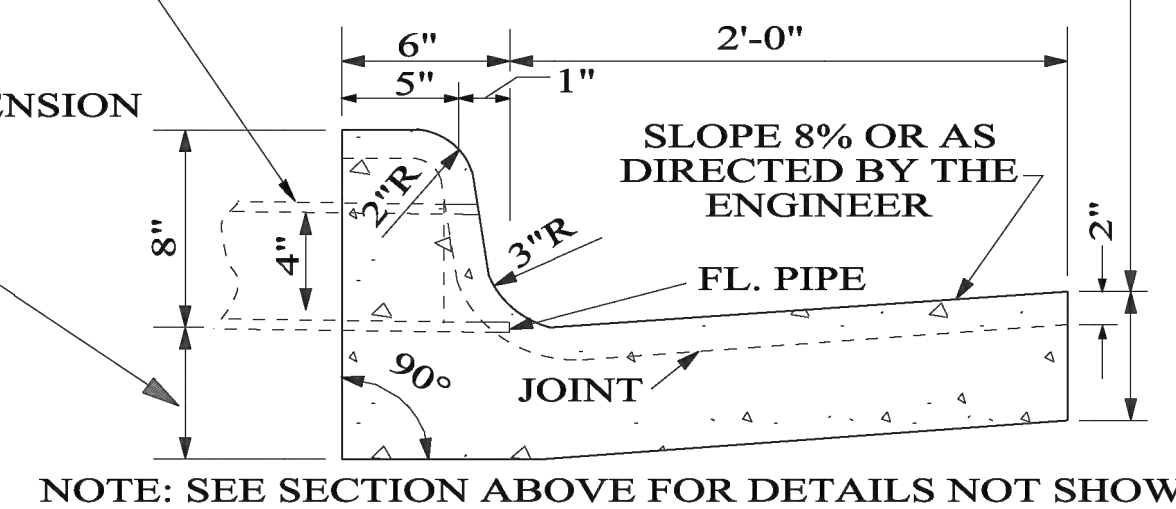
TYPE "C"
COMBINATION CURB AND GUTTER
SLOPING TYPE

NOTE:
4" PIPE UNDERDRAIN SHALL BE INSTALLED THRU CURB AS INDICATED, WHERE SHOWN ON PLANS, OR DIRECTED BY THE ENGINEER, TO DRAIN AREA BACK OF CURB LINE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK. PIPE UNDERDRAIN USED WILL BE PAID FOR UNDER SETION 606.



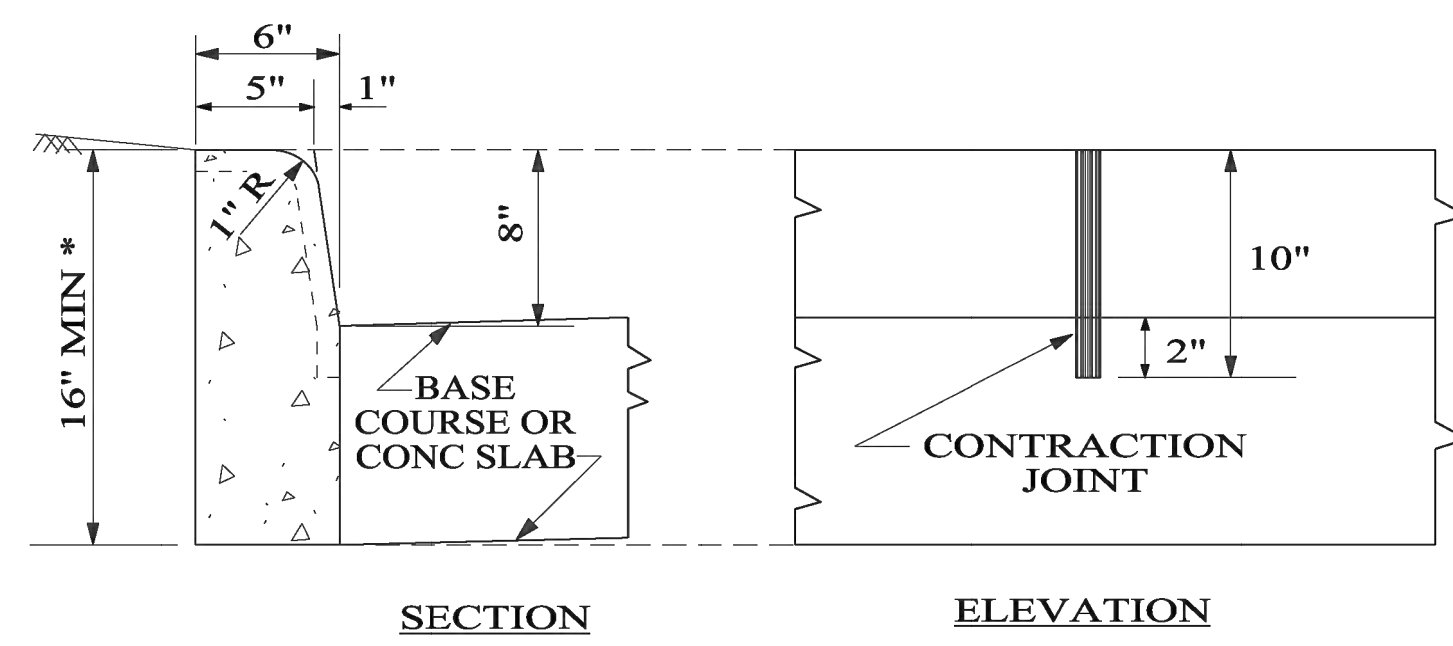
TYPE "L"
COMBINATION CURB AND GUTTER
SLOPING TYPE

6" MIN 10" MAX (OPTIONAL-USE DIMENSION SHOWN ON TYPICAL SECTION TO FIT)

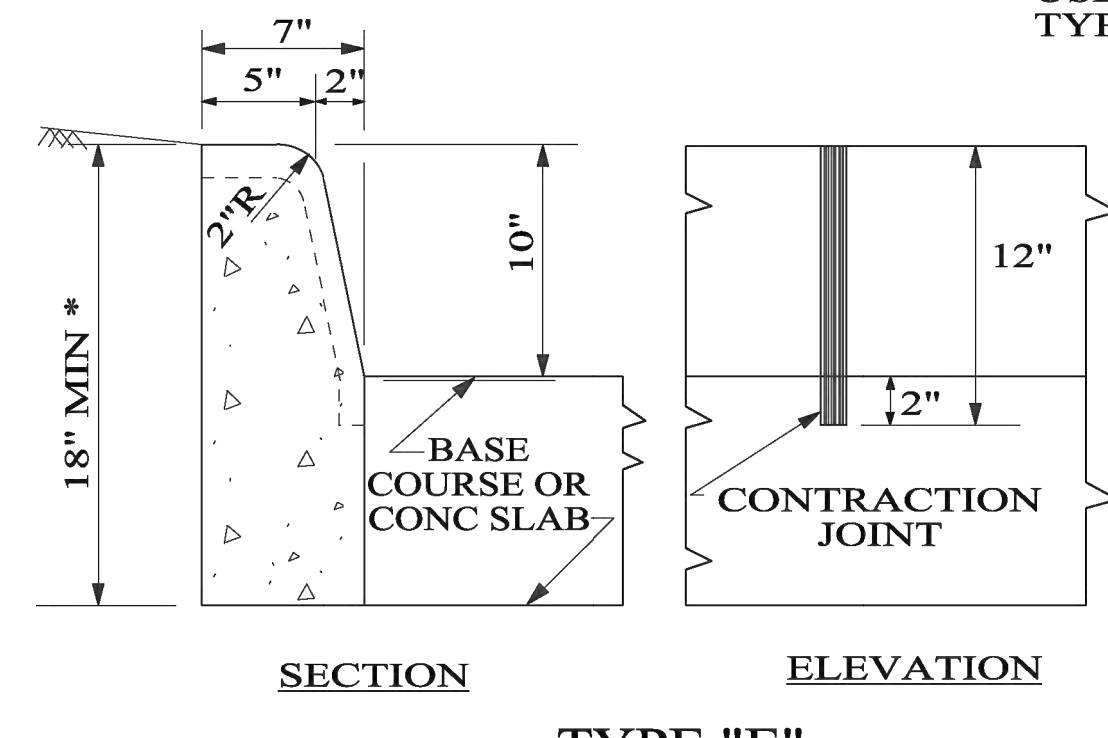


TYPE "K"
COMBINATION CURB AND GUTTER
VERTICAL TYPE

NOTE: SEE SECTION ABOVE FOR DETAILS NOT SHOWN



TYPE "D"
VERTICAL TYPE



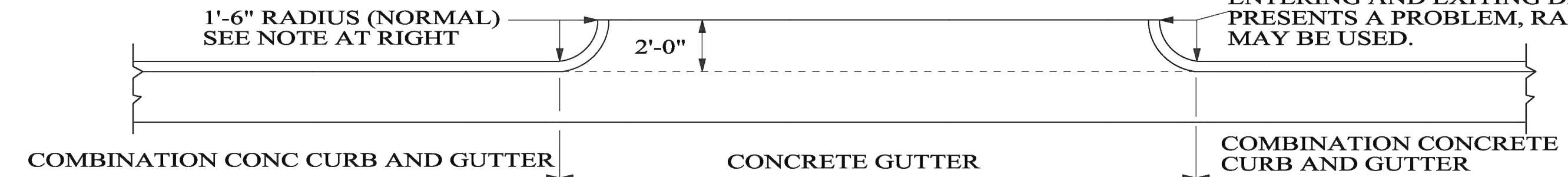
TYPE "E"
VERTICAL TYPE



TYPICAL EXPANSION JOINT AND SEALER INSTALLATION

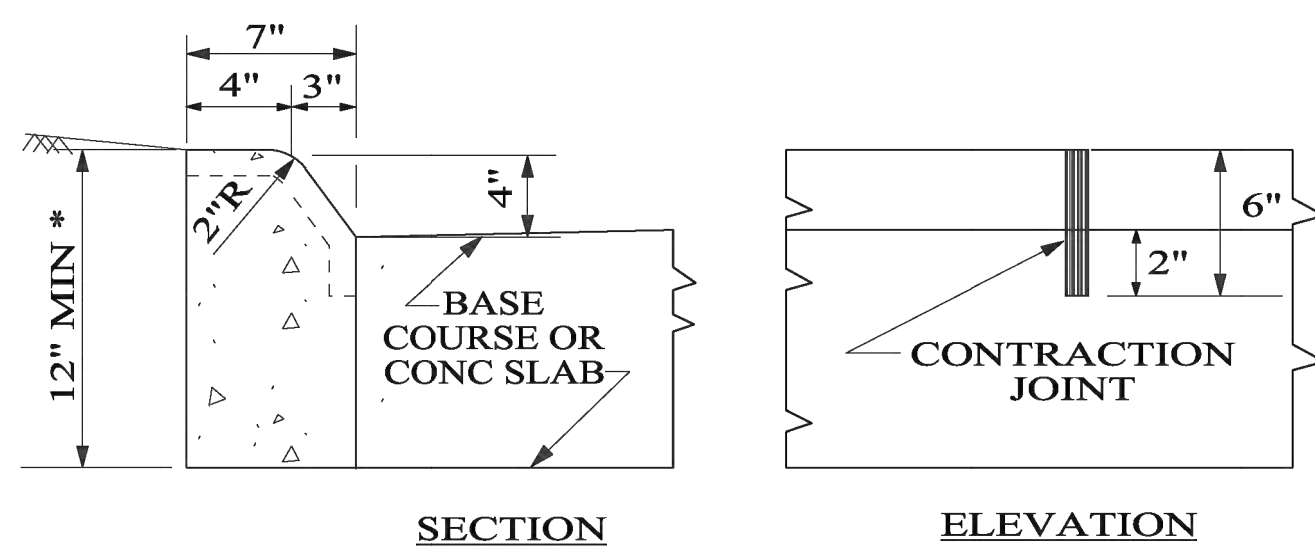
NOTE:
CURB TYPE WILL BE DESIGNATED ON THE SUMMARY OF QUANTITIES SHEET.

1'-6" RADIUS (NORMAL) ON CITY STREETS WHERE LANE ENCROACHMENT BY VEHICLES ENTERING AND EXITING DRIVEWAYS PRESENTS A PROBLEM, RADII UP TO 10' MAY BE USED.

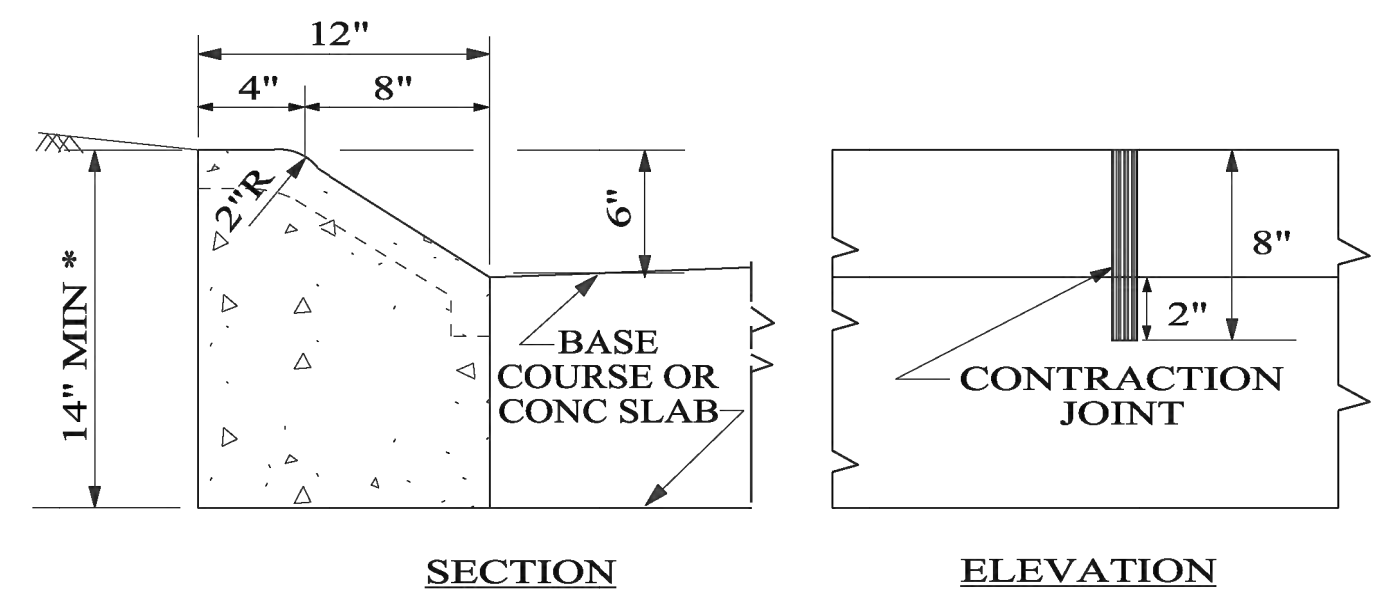


NOTE: THE LENGTH OF THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE MEASURED ALONG FLOW LINE OF GUTTER. SECTION OF CONCRETE GUTTER ACROSS TURNOUTS FOR DRIVEWAYS, ETC. SHALL BE MEASURED FROM RADIUS POINT TO RADIUS POINT ALONG THE FLOW LINE OF THE GUTTER AND PRICE BID PER LINEAR FOOT SHALL INCLUDE THE RETURN CURB.

PLAN OF COMBINATION CURB AND GUTTER AT DRIVEWAYS



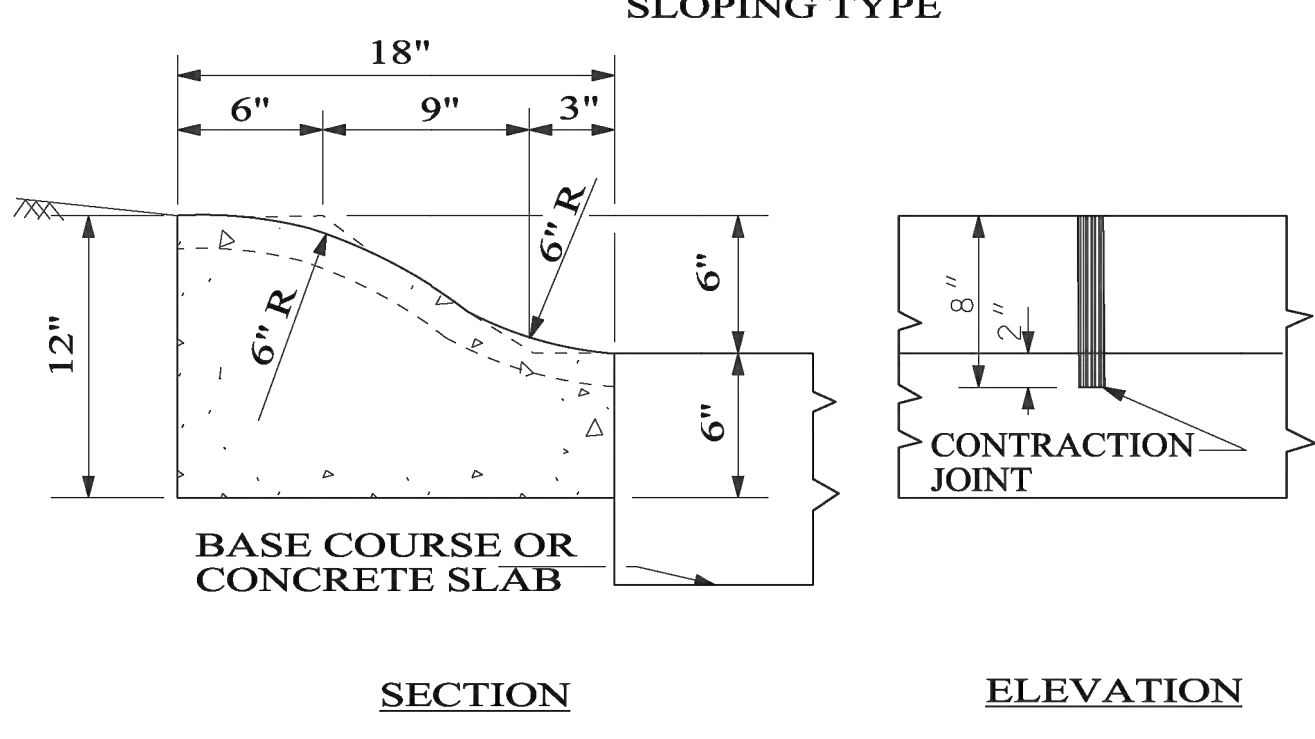
TYPE "F"
VERTICAL TYPE



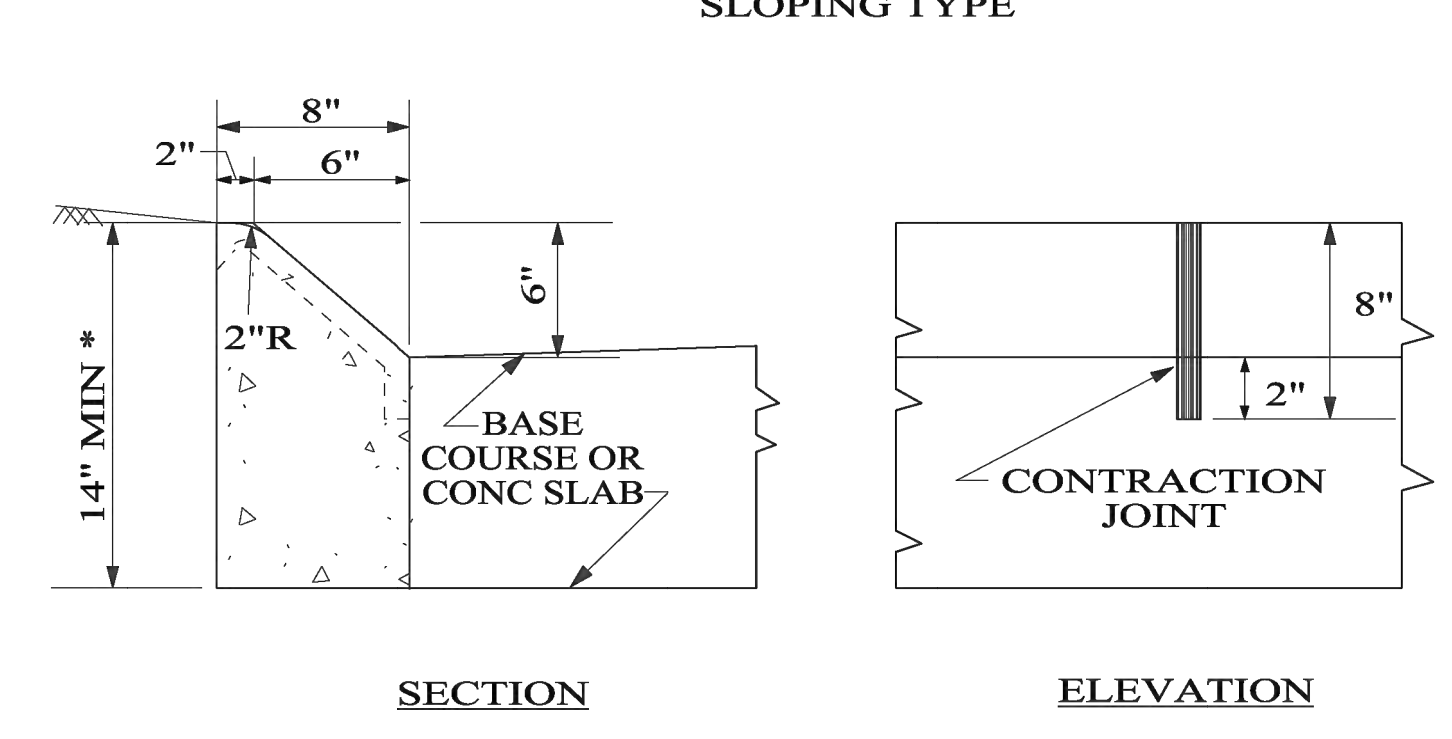
TYPE "G"
SLOPING TYPE

GENERAL NOTES FOR CURB AND CURB AND GUTTER

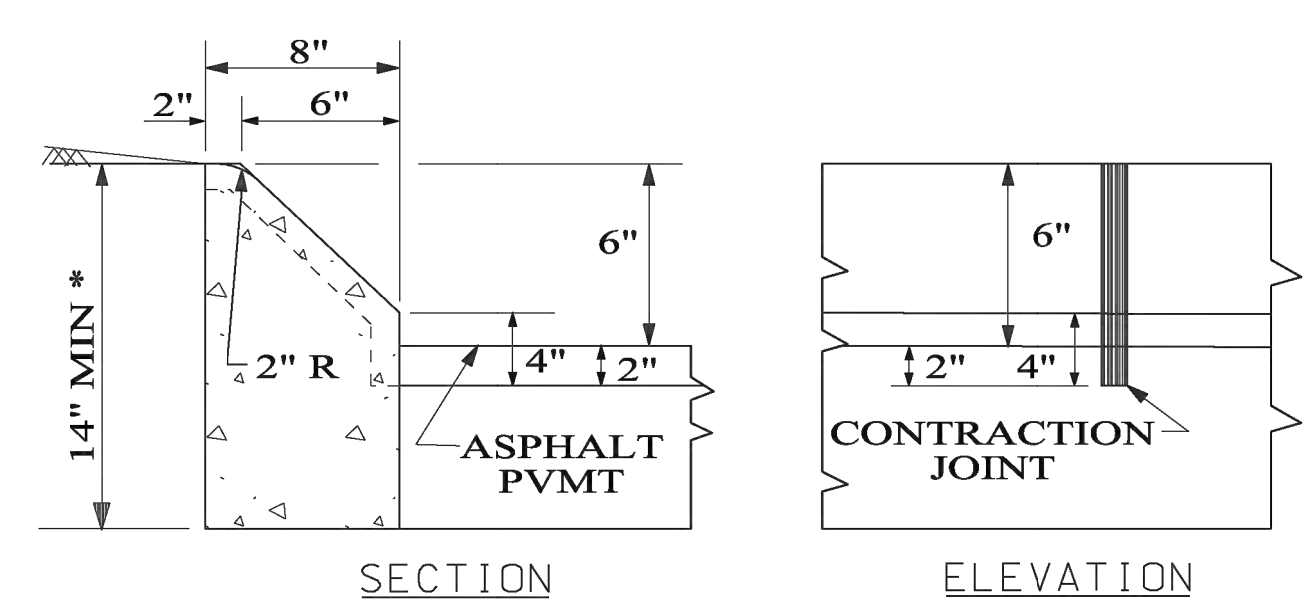
- * 1. THE CONTRACTOR MAY BE REQUIRED TO EXCEED THE MINIMUM CURB HEIGHT SHOWN IN ORDER TO PLACE CURB ON A BASE LAYER. UP TO 4" ADDITIONAL CURB HEIGHT WILL BE INCLUDED IN THE COST OF THIS STANDARD CURB.
- 2. IN SUPERELEVATED SECTIONS ON THE HIGH SIDE OF THE ROADWAY, THE GUTTER SLOPE SHOULD MATCH THE SLOPE OF THE ROADWAY. WHERE FOR DRAINAGE PURPOSES IT IS NECESSARY TO KEEP THE FLOW OF WATER IN THE GUTTER, THE ROLLOVER AT THE GUTTER EDGE SHOULD NOT EXCEED 7% ALGEBRAIC DIFFERENCE IN PAVEMENT AND GUTTER SLOPE.



TYPE "H"
SLOPING TYPE



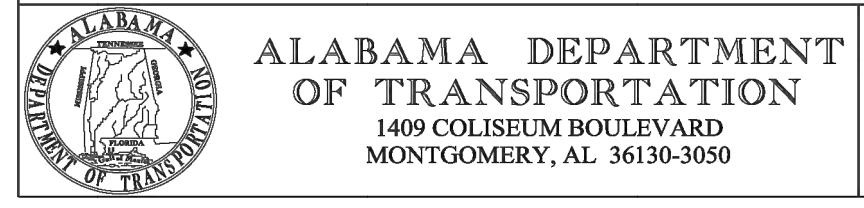
TYPE "J"
SLOPING TYPE



TYPE "N"
SLOPING TYPE

CURBS

NOT TO SCALE



ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

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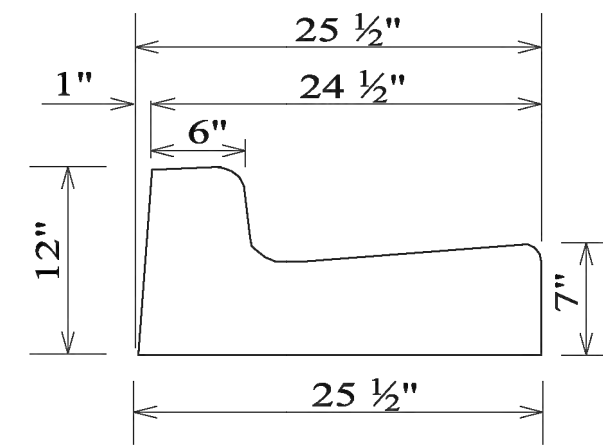
REVISIONS:
1. Added to CADD on 3-29-1999 by J.F.T.
2. Clarified note no. 5 as to additional curb height cost on 4-24-2002 by J.F.T.
3. Changed the words "MOUNTABLE" & "BARRIER" to "SLOPING" & "VERTICAL" on 02-14-06 by W.W.A.
4. Individually placed type of CURB & CURB & GUTTER and deleted General Notes no. 1-4 on 09-23-08 by W.W.A.
5. Added General Note 2 on 9/26/19 by D.J.W.

Bureau Std Engr: D.J.W.
DRAWN BY:
DATE DRAWN: 3-31-1993
REVISED DATE: 9-26-2019

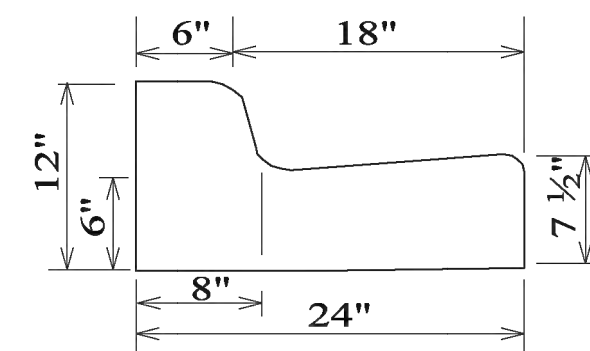
DESIGN BUREAU SPECIAL DRAWING
DETAILS OF CONCRETE CURBS AND CONCRETE CURB & GUTTER COMBINATIONS, SLOPING AND VERTICAL TYPES

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION		
SPECIAL DRAWING NO	INDEX NO	
623-XY	62307	

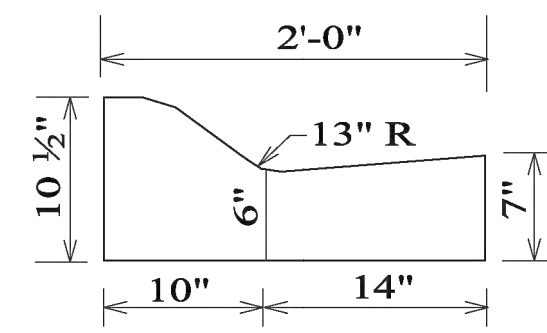
**SKETCHES OF CURBS AND GUTTER
TO BE PLACED WITH AUTOMATIC
CURB AND GUTTER MACHINES**



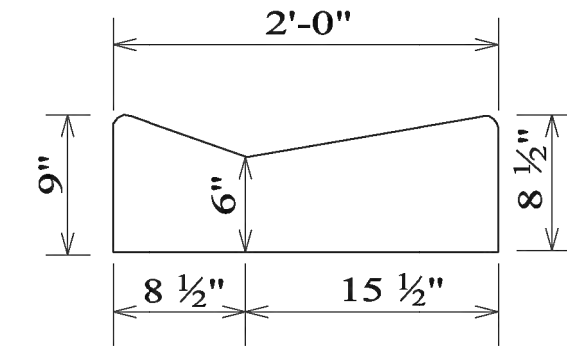
TYPE M-1



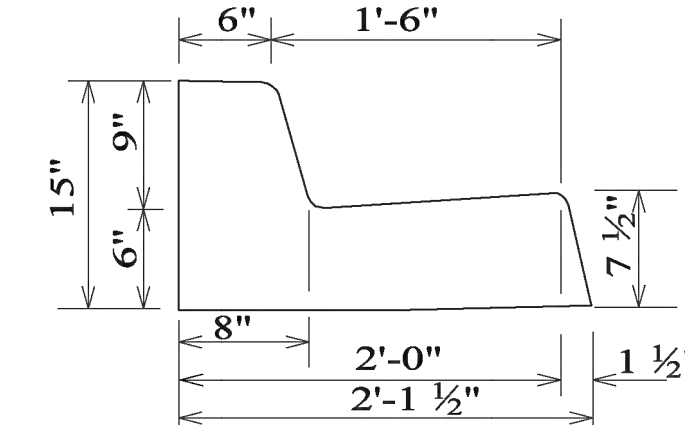
TYPE M-2



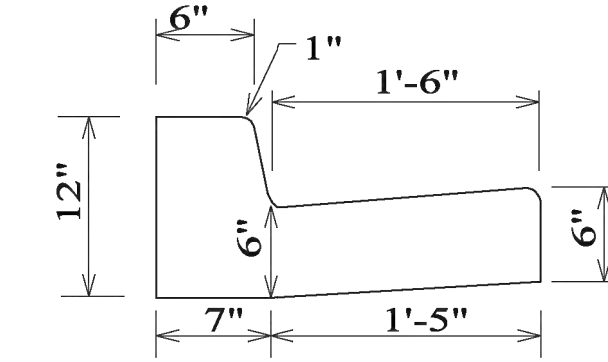
TYPE M-3



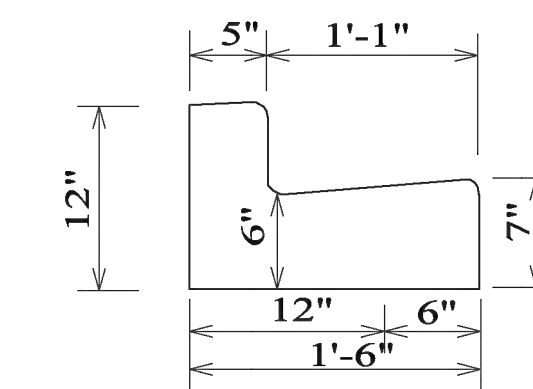
TYPE M-4



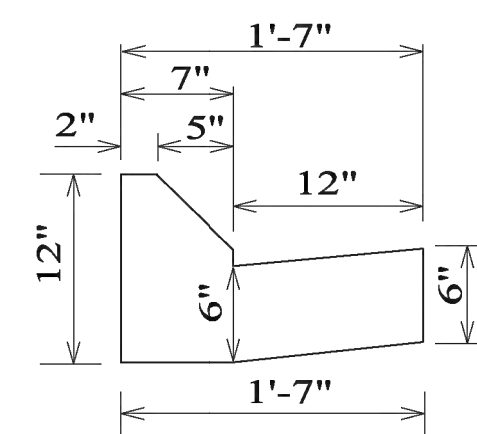
TYPE M-5



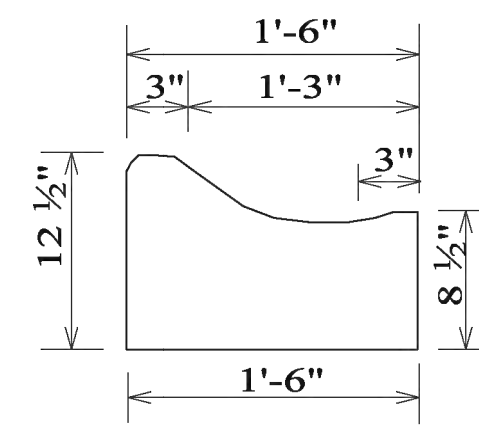
TYPE M-6



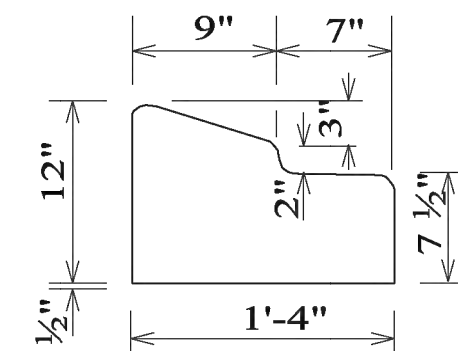
TYPE M-7



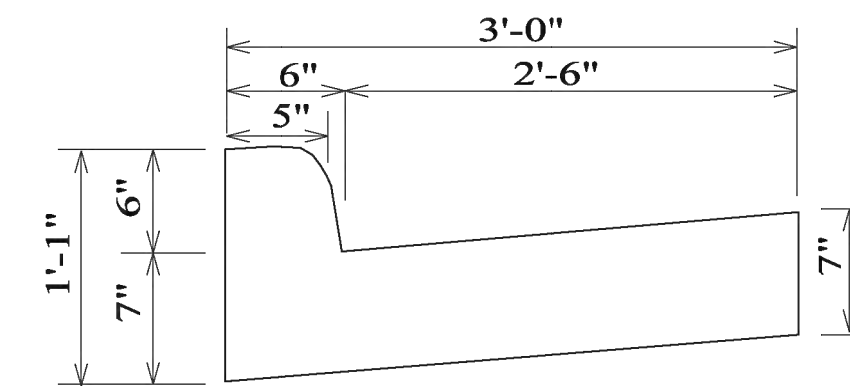
TYPE M-8



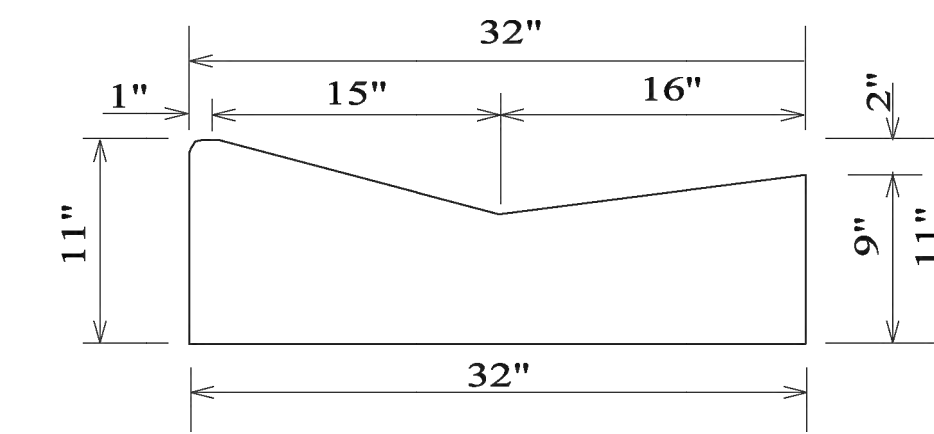
TYPE M-9



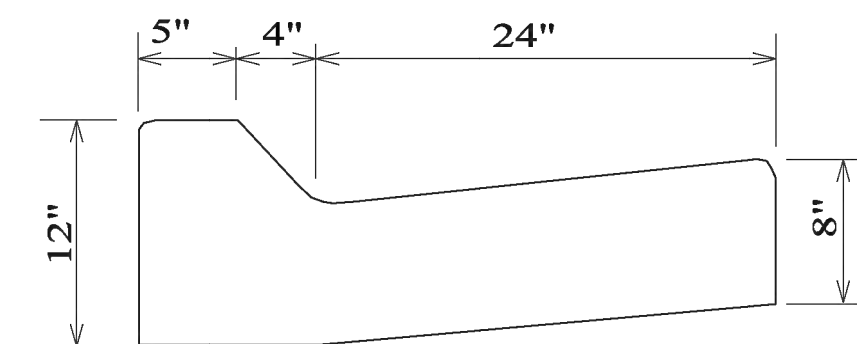
TYPE M-10



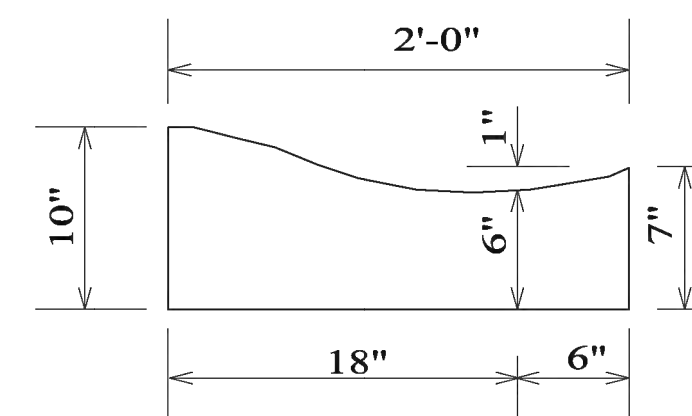
TYPE M-11



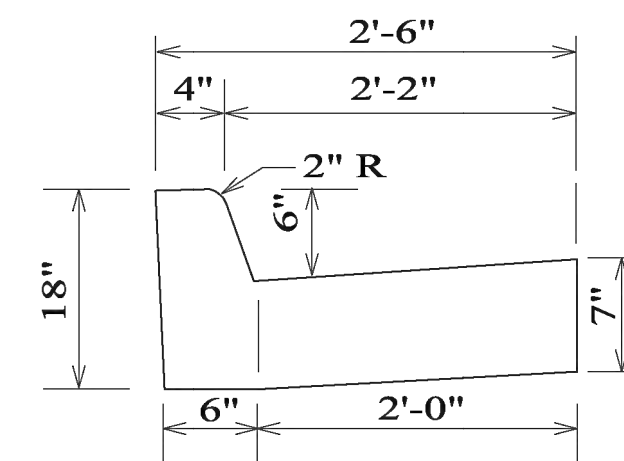
TYPE M-12



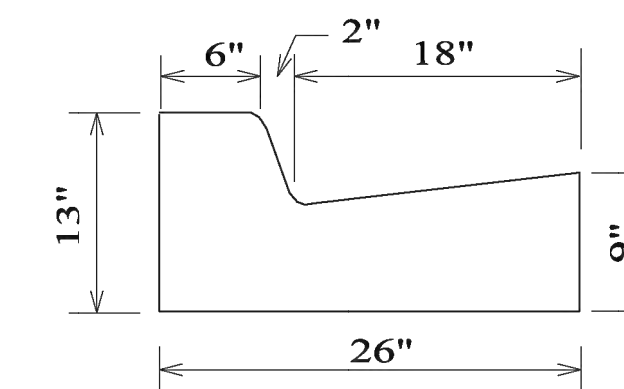
TYPE M-13



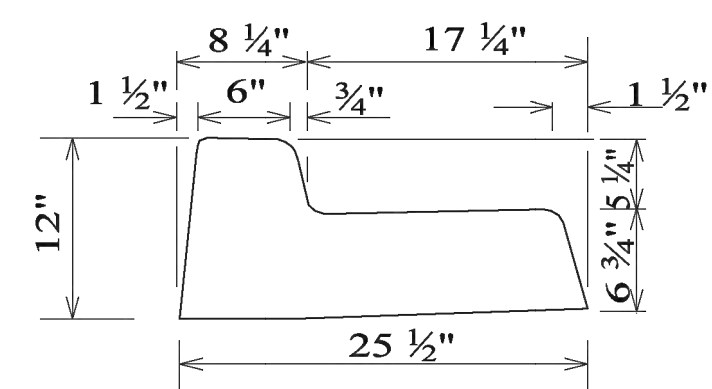
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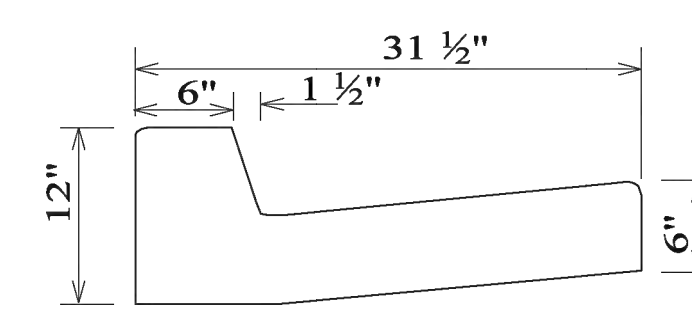
TYPE M-15



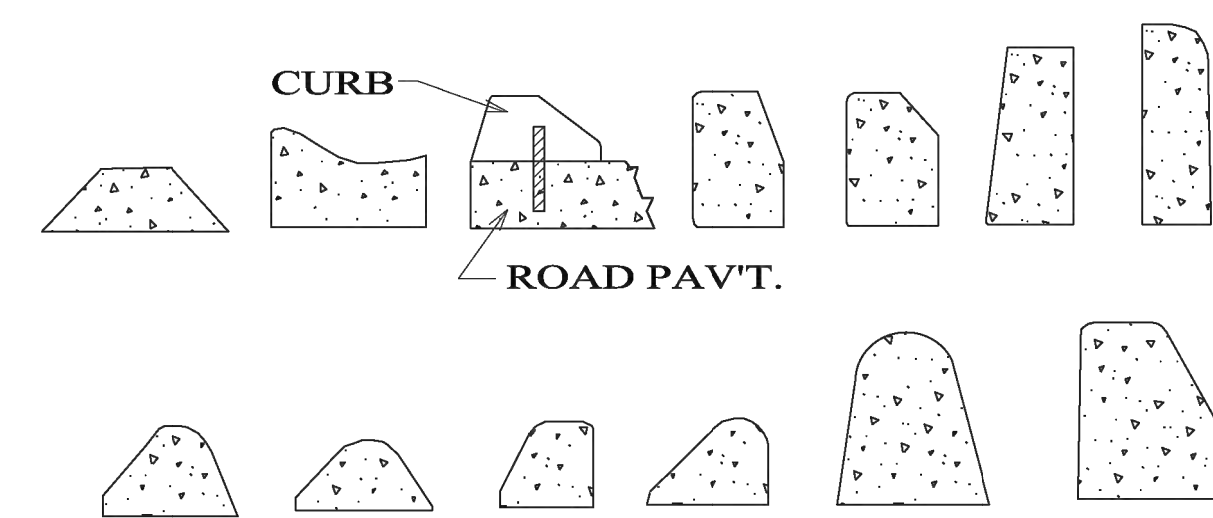
TYPE M-16



TYPE M-17



TYPE M-18

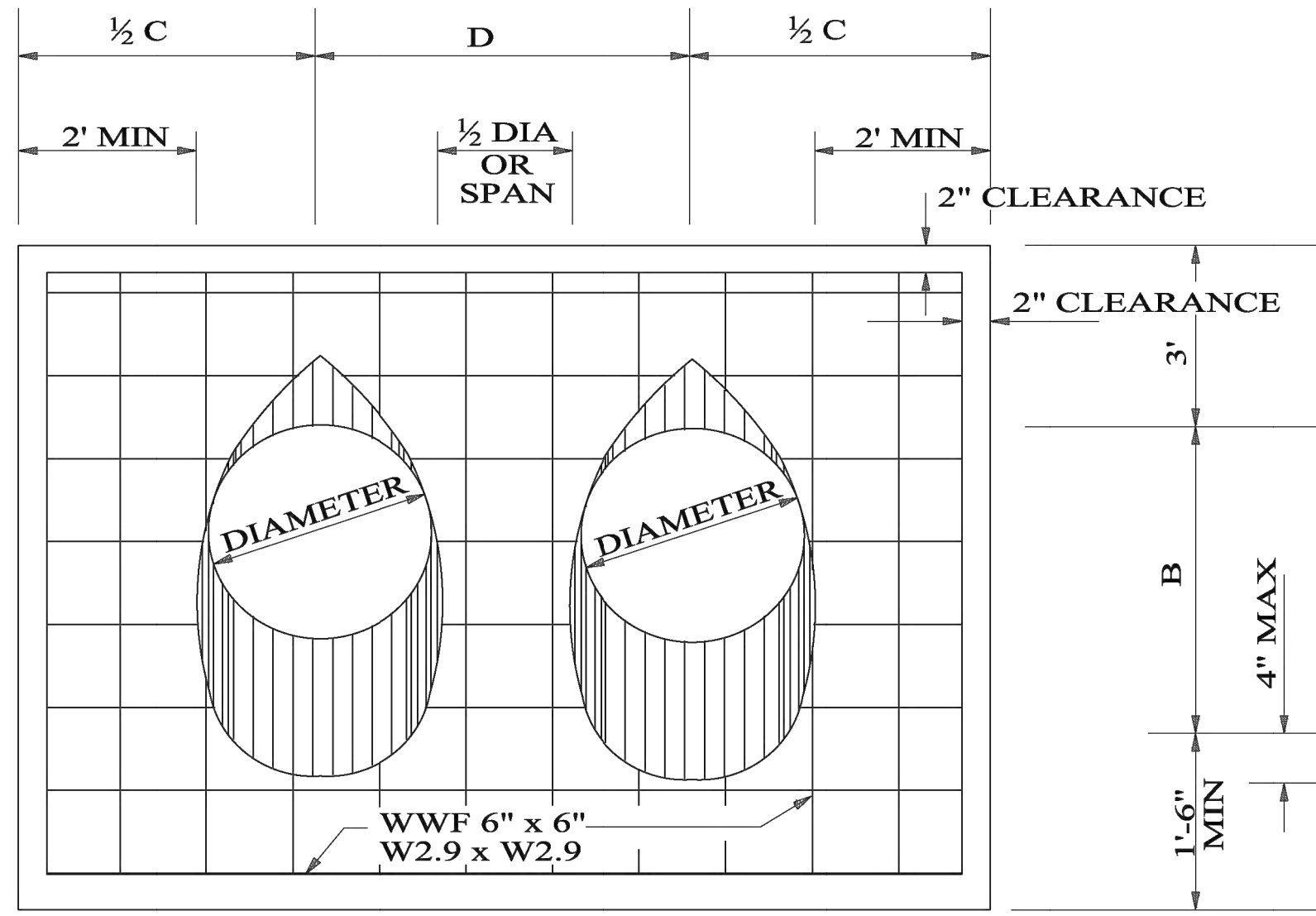


**TYPICAL CURB DESIGNS
TO BE PLACED WITH AUTOMATIC POWER CURBS**

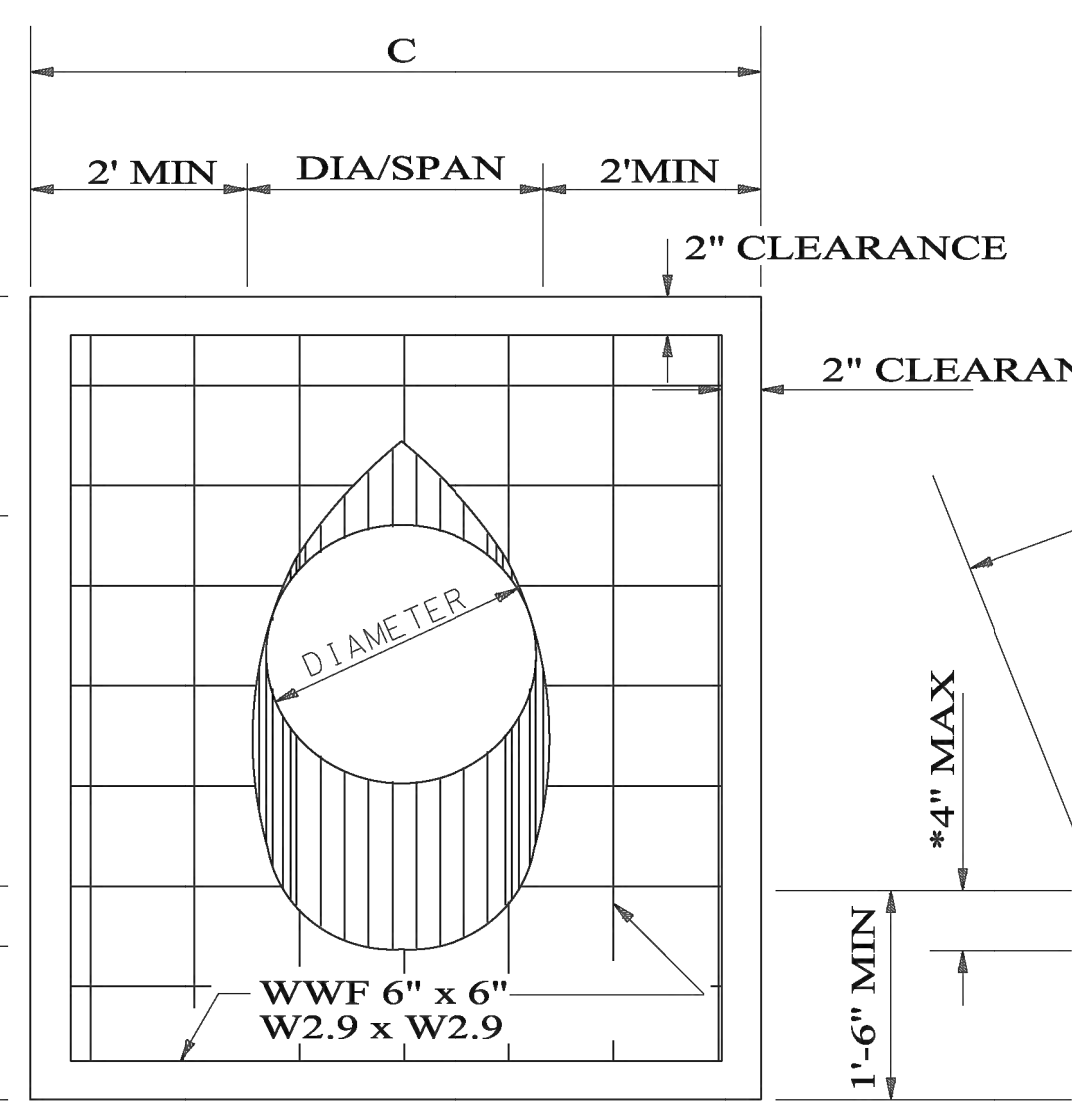
SKETCHES SHOWN ON THIS SHEET SHOW THE MORE COMMON CURB AND GUTTER DESIGNS IN USE AND INDICATE SIZE RANGE OF CURB AND GUTTER THAT MAY BE EXTRUDED WITH POWER CURBERS. SOME VARIATION IN SIZE AND SHAPE OF CURB AND GUTTER WILL BE ALLOWED IN ORDER TO ACCOMMODATE DIFFERENT MAKES OF POWER CURBERS.

NOT TO SCALE

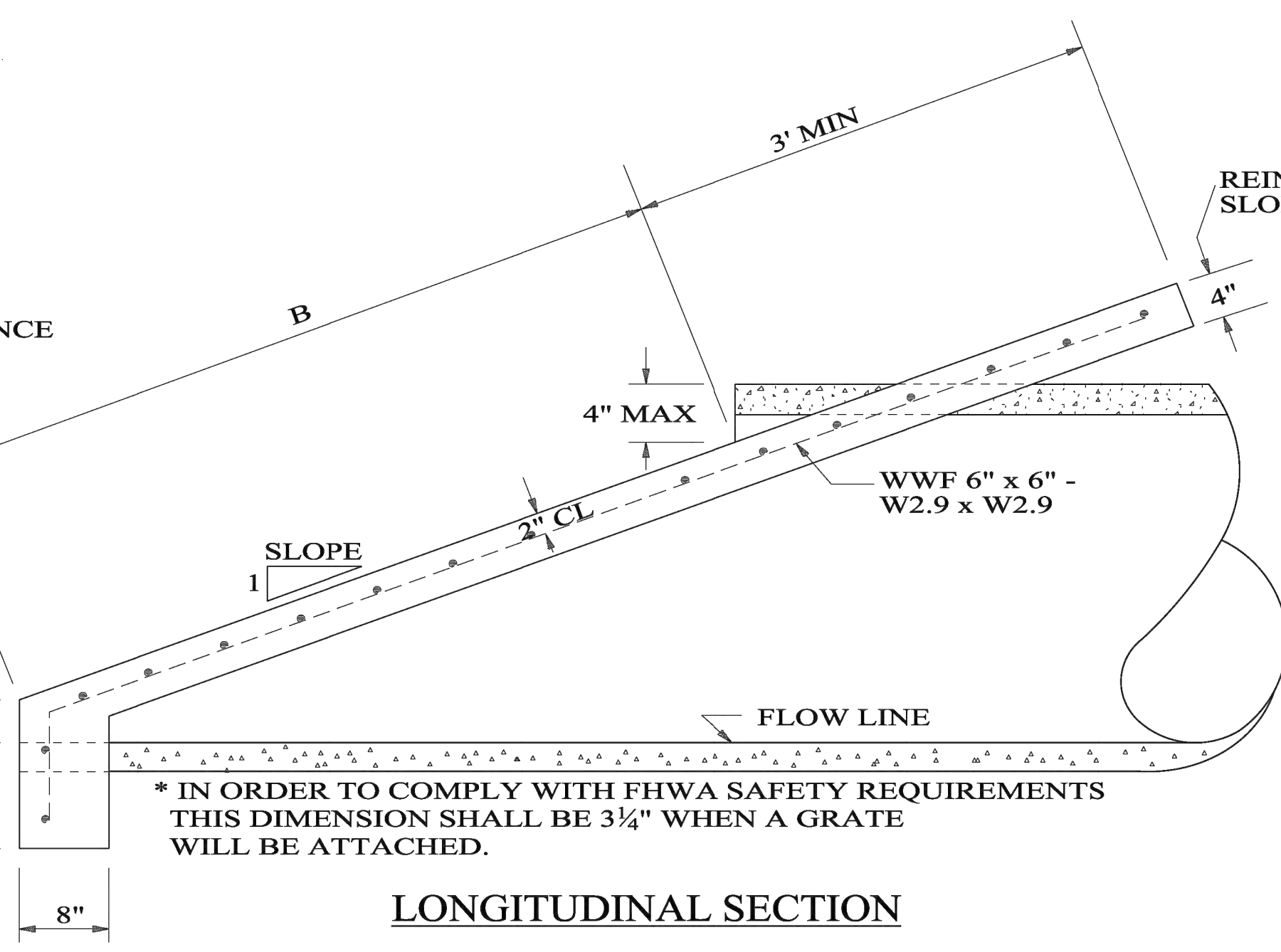
--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION



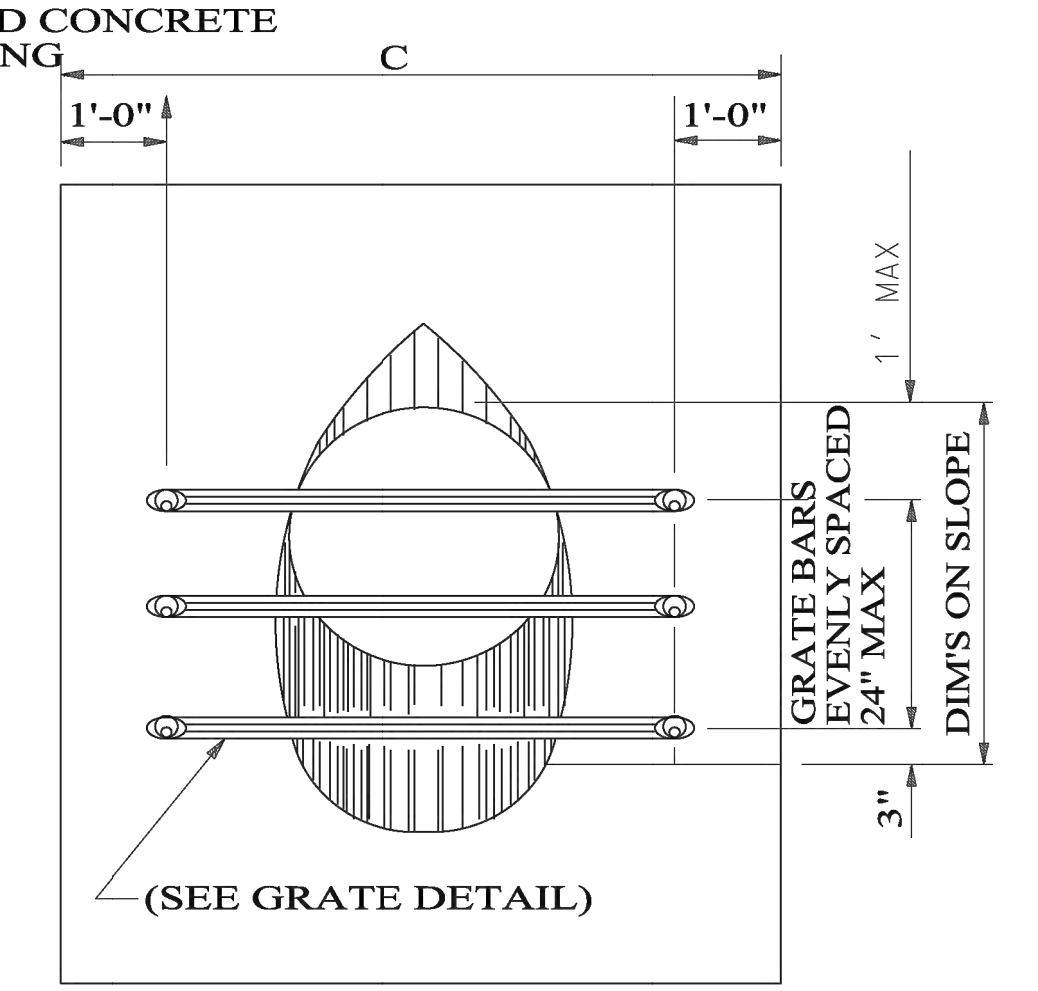
END ELEVATION DOUBLE BARREL



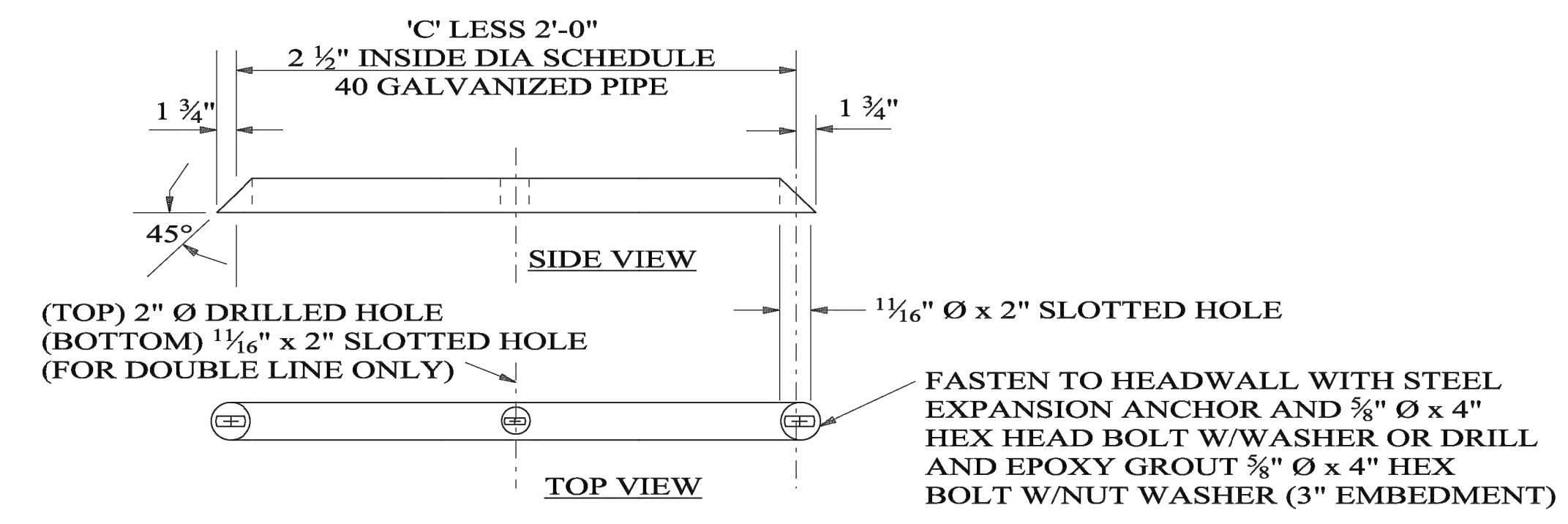
END ELEVATION SINGLE BARREL



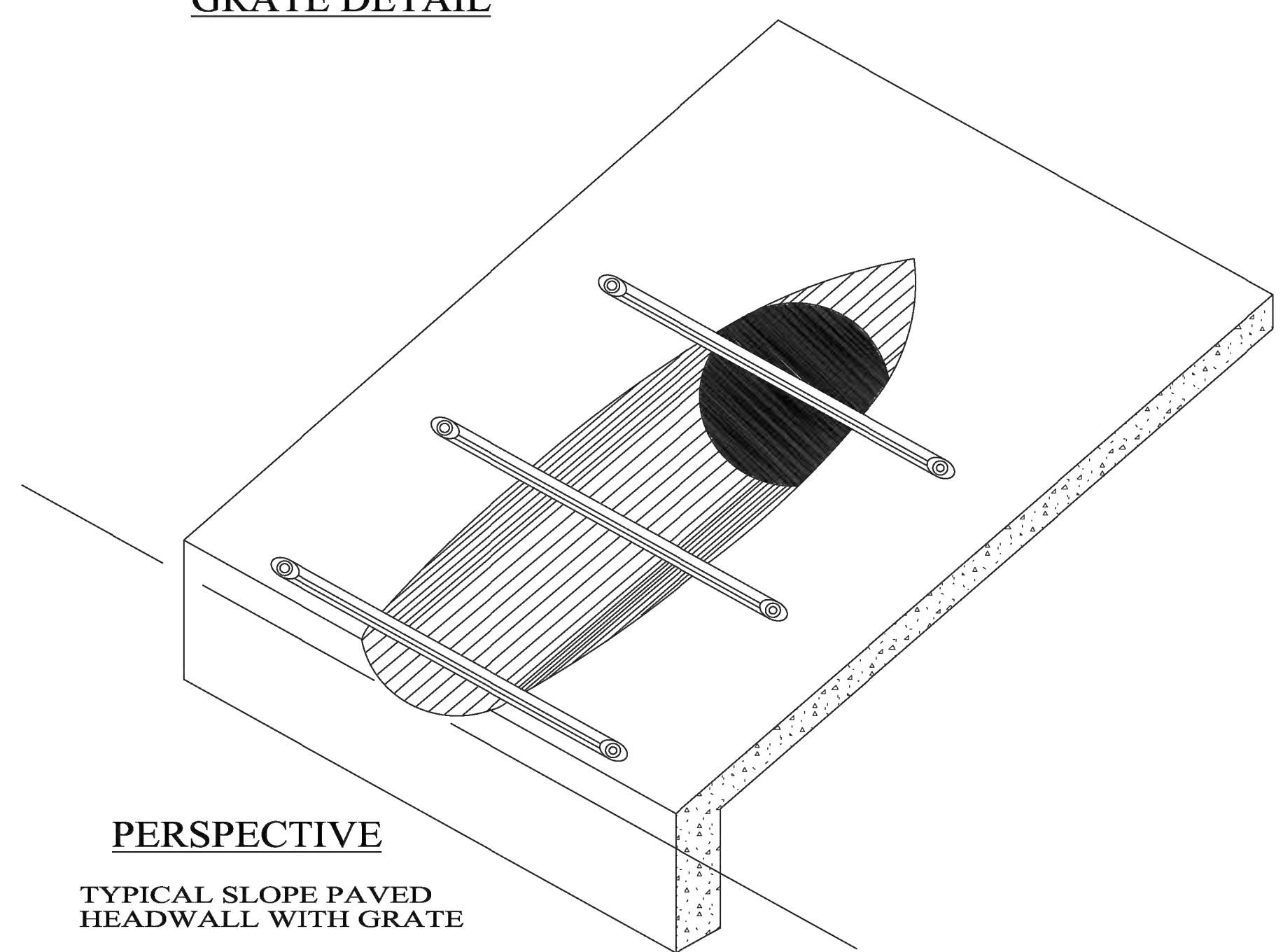
LONGITUDINAL SECTION



END ELEVATION WITH GRATE



GRATE DETAIL



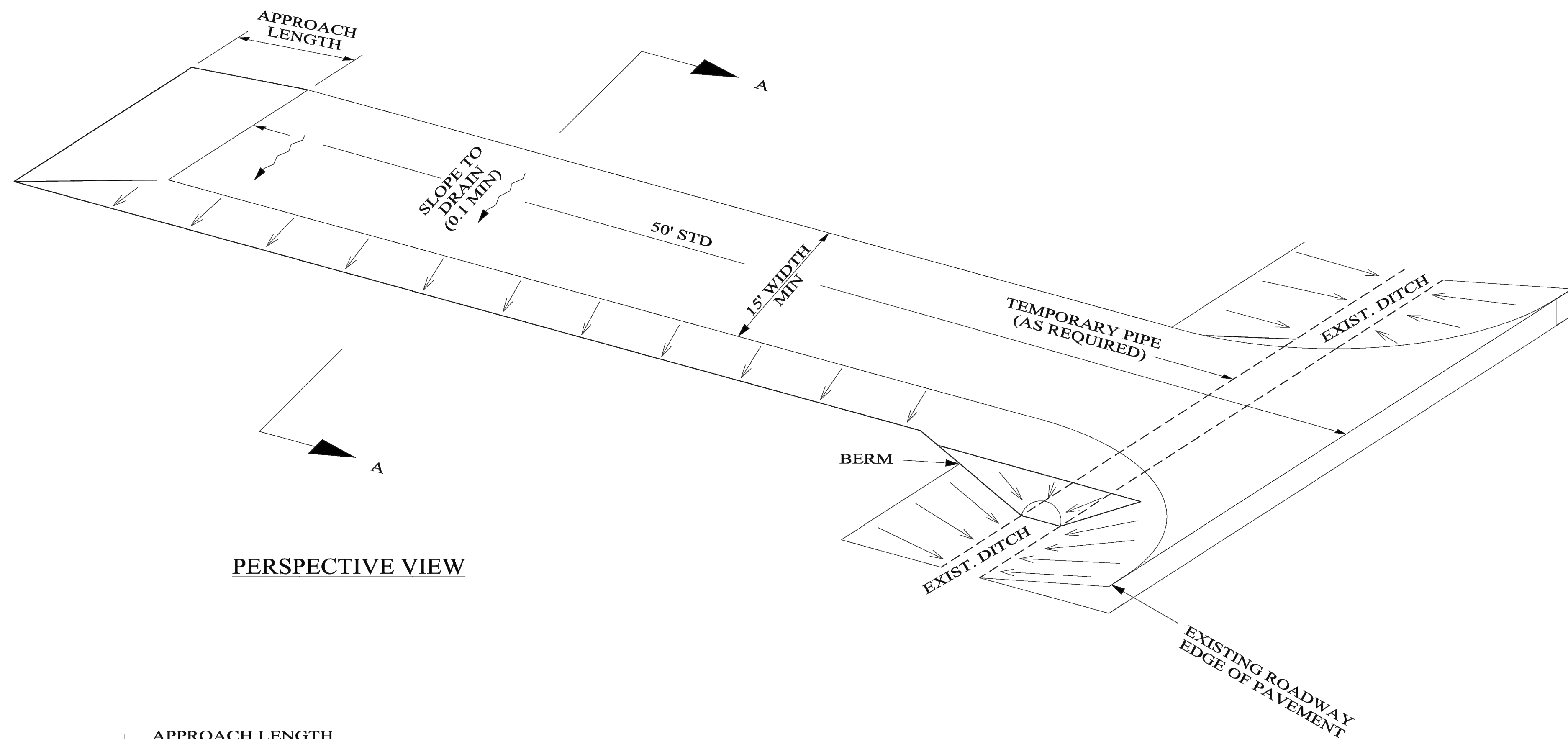
PERSPECTIVE
TYPICAL SLOPE PAVED
HEADWALL WITH GRATE

GENERAL NOTES

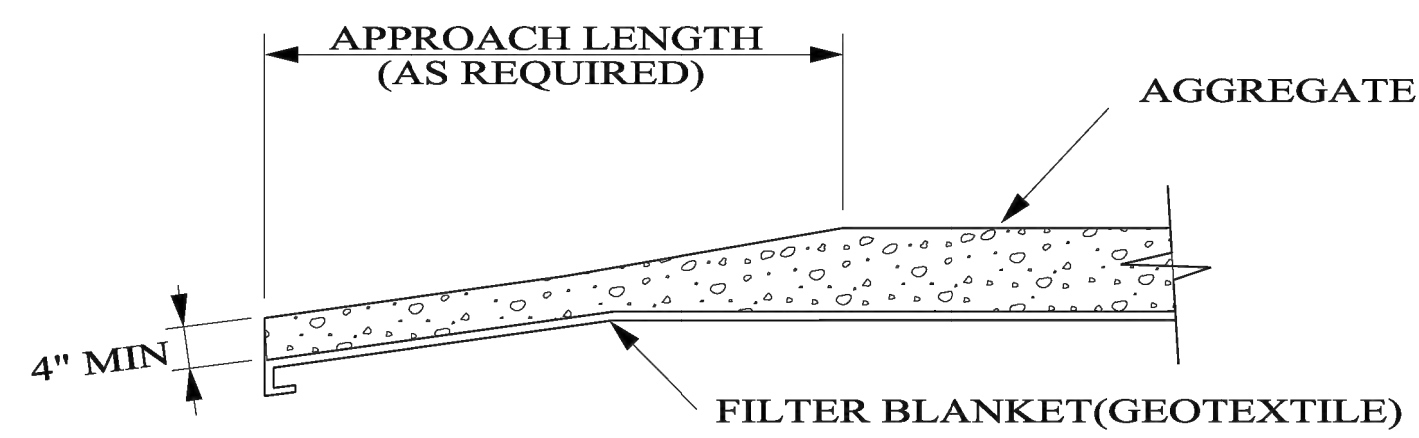
1. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
2. QUANTITIES SHOWN INCLUDE TWO (2) SLOPE PAVED HEADWALLS WITH TOE WALLS.
3. DIMENSIONS AND QUANTITIES SHOWN APPLIES TO CONCRETE, CORRUGATED METAL PIPE, AND CORRUGATED HDPE PIPE. CONCRETE QUANTITIES ARE SUFFICIENT WHEN HEADWALLS FOR ARCH PIPE IS DESIRABLE.
4. CONCRETE PIPE SHALL BE BEVELED BY SAWING AFTER SLOPE PAVING HAS BEEN PLACED AND SUFFICIENTLY CURED (SOME HAND FINISHING MAY BE NECESSARY.) METAL PIPE SHALL BE SHOP CUT. CORRUGATED HDPE PIPE MAY BE FIELD BEVELED PRIOR TO PAVING OR SHOP CUT.
5. CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED. CORRUGATED HDPE PIPE SHALL HAVE 1/2" Ø x 6" GALVANIZED HOOK BOLTS WITH WASHERS LOCATED AT 30° OC FOR THE TOE AND 1/2" Ø x 6" GALVANIZED THREADED HEX HEAD BOLTS WITH WASHERS LOCATED ON 2'-0" CENTERS FOR SIDES. ANCHOR BOLTS INTO CONCRETE.
6. SLOPE PAVED HEADWALL WITHOUT GRATE SHALL BE CLASS 1. SLOPE PAVED HEADWALL WITH GRATE SHALL BE CLASS 2.
7. A 24" PIPE WITH GREATER THAN A 30° SKEW AND 30" OR GREATER IN DIAMETER SHALL HAVE A CLASS 2 END TREATMENT WHEN TERMINATED WITHIN THE CLEAR ZONE.
8. PIPE FOR GRATE SHALL BE SCHEDULE 40, GALVANIZED (ASTM A53) HARDWARE SHALL BE GALVANIZED ACCORDING TO SPECIFICATIONS.
9. RAW METAL EXPOSED BY CUTTING AND DRILLING OF PIPE FOR GRATE ASSEMBLY WILL REQUIRE A GALVANIZING REPAIR PAINT IN ACCORDANCE WITH SECTION 855.31 OF ALDOT SPECIFICATIONS.

DIMENSIONS AND QUANTITIES							
PIPE SIZE	AREA SQ FT	SLOPE	B	C	D	CU YDS ONE BARREL	CU YDS ADDITIONAL BARREL
15" Ø	1.2	4:1	2'-5"	5'-3"	1'-11"	0.92	0.30
18" Ø	1.8	4:1	3'-6"	5'-6"	2'-3"	1.06	0.36
24" Ø	3.1	4:1	5'-6"	6'-0"	3'-0"	1.32	0.52
30" Ø	4.9	4:1	7'-7"	6'-6"	3'-9"	1.60	0.72
36" Ø	7.1	4:1	9'-8"	7'-0"	4'-6"	1.86	0.94
42" Ø	9.6	4:1	11'-9"	7'-6"	5'-3"	2.20	1.20
48" Ø	12.6	4:1	13'-9"	8'-0"	6'-0"	2.40	1.46
54" Ø	15.9	4:1	15'-10"	8'-6"	6'-9"	2.60	1.76
15" Ø	1.2	6:1	3'-7"	5'-3"	1'-11"	1.04	0.30
18" Ø	1.8	6:1	5'-1"	5'-6"	2'-3"	1.22	0.40
24" Ø	3.1	6:1	8'-1"	6'-0"	3'-0"	1.58	0.60
30" Ø	4.9	6:1	11'-2"	6'-6"	3'-9"	1.94	0.84
36" Ø	7.1	6:1	14'-2"	7'-0"	4'-6"	2.30	1.12
42" Ø	9.6	6:1	17'-3"	7'-6"	5'-3"	2.68	1.42
48" Ø	12.6	6:1	20'-3"	8'-0"	6'-0"	3.04	1.78
54" Ø	15.9	6:1	23'-4"	8'-6"	6'-9"	3.40	2.18
15" Ø	1.2	10:1	5'-10"	5'-3"	1'-11"	1.24	0.32
18" Ø	1.8	10:1	8'-4"	5'-6"	2'-3"	1.54	0.46
24" Ø	3.1	10:1	13'-5"	6'-0"	3'-0"	2.08	0.72
30" Ø	4.9	10:1	18'-5"	6'-6"	3'-9"	2.66	1.06
36" Ø	7.1	10:1	23'-5"	7'-0"	4'-6"	3.20	1.46
42" Ø	9.6	10:1	28'-6"	7'-6"	5'-3"	3.78	1.90
48" Ø	12.6	10:1	33'-6"	8'-0"	6'-0"	4.32	2.42
54" Ø	15.9	10:1	38'-6"	8'-6"	6'-9"	4.88	3.02
15" Ø	1.2	20:1	11'-9"	5'-3"	1'-11"	1.84	0.42
18" Ø	1.8	20:1	16'-8"	5'-6"	2'-3"	2.40	0.62
24" Ø	3.1	20:1	26'-8"	6'-0"	3'-0"	3.38	1.06

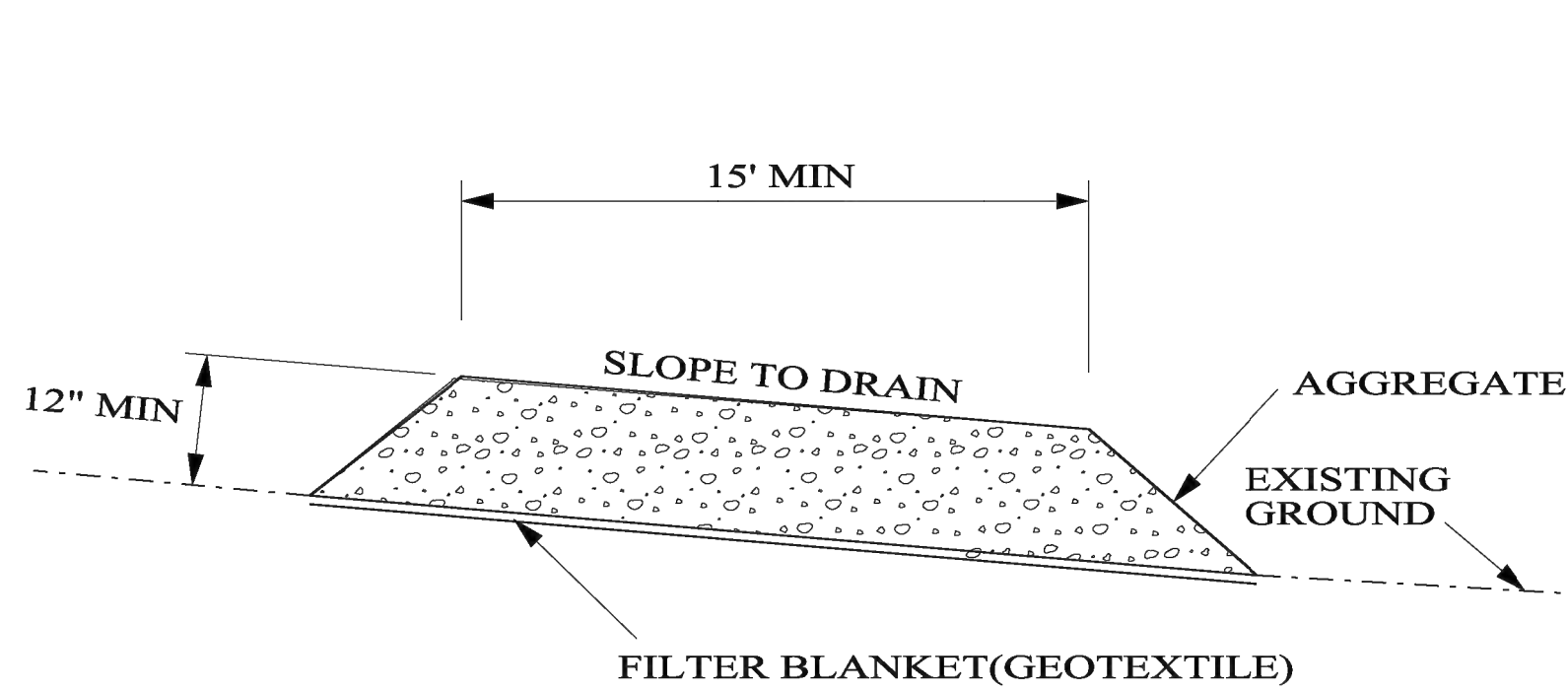
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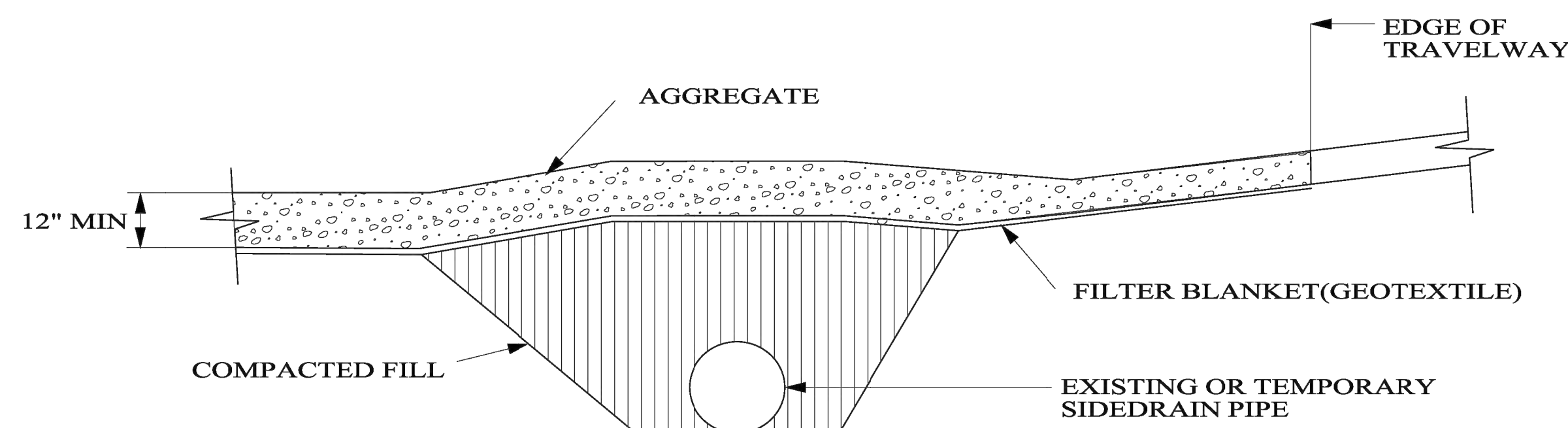
PERSPECTIVE VIEW



TRANSITION DETAIL



SECTION A-A

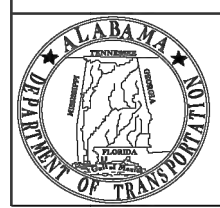


RURAL CONNECTION DETAIL

NOTES:

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE EROSION SEDIMENT CONTROL SHEETS OR AS APPROVED BY THE ENGINEER BASED ON SAFETY, ECONOMY AND CONSTRUCTION SEQUENCE. THESE ENTRANCES ARE POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE PROJECT SHALL BE DIRECTED THRU THE STABILIZED ENTRANCE. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STABILIZED ENTRANCE.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IT'S USE.
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STABILIZED CONSTRUCTION ENTRANCE AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
4. AGGREGATES SHALL BE ALDOT SIZE #1. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.
5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM IT'S FUNCTION TO PREVENT OFFSITE TRACKING, THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE RINSED WHEN NECESSARY TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STABILIZED ENTRANCE MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
6. THE NOMINAL SIZE OF A STANDARD STABILIZED CONSTRUCTION ENTRANCE IS 15' X 50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH MAY BE USED IF APPROVED BY THE ENGINEER.

NOT TO SCALE



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REVISIONS:
1. Changed Plan View to Perspective View & revised Note 1 on 8-24-2011 by J.F.T.

Bureau Std Engr: D.J.W.
DRAWN BY:
DATE DRAWN: 2006
REVISED DATE: 8-24-2011

DESIGN BUREAU SPECIAL DRAWING
STABILIZED CONSTRUCTION ENTRANCE

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION		
SPECIAL DRAWING NO	INDEX NO	
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