

PLAN SHEET NO. SL-2
MATCH LINE BRIGANTINE BLVD.

ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
804000P	TOPSOIL SPREADING -" THICK	54 SY
804015P	BORROW TOPSOIL	10 CY
806006P	FERTILIZING AND SEEDING, TYPE A-3	54 SY
809003M	STRAW MULCHING	54 SY
811021M	SMALL DECIDUOUS TREE, 3-3 1/2" CALIPER, B&B	3 UNIT
NS812200	BENCH	1 UNIT

PROPOSED SIDEWALK

TOPSOILING / FERTILIZING & SEEDING / STRAW MULCHING

PROPOSED BENCH

0 0 0

PROPOSED BIKE RACK

PROPOSED TRASH RECEPTABLE

PROPOSED TREE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANS

LIGHTHOUSE DISTRICT STREETSCAPE IMPROVEMENTS
CITY OF BRIGANTINE

GREENMAN-PEDERSEN, INC.

CERTIFICATION OF AUTHORIZATION NO. 24GA27959500

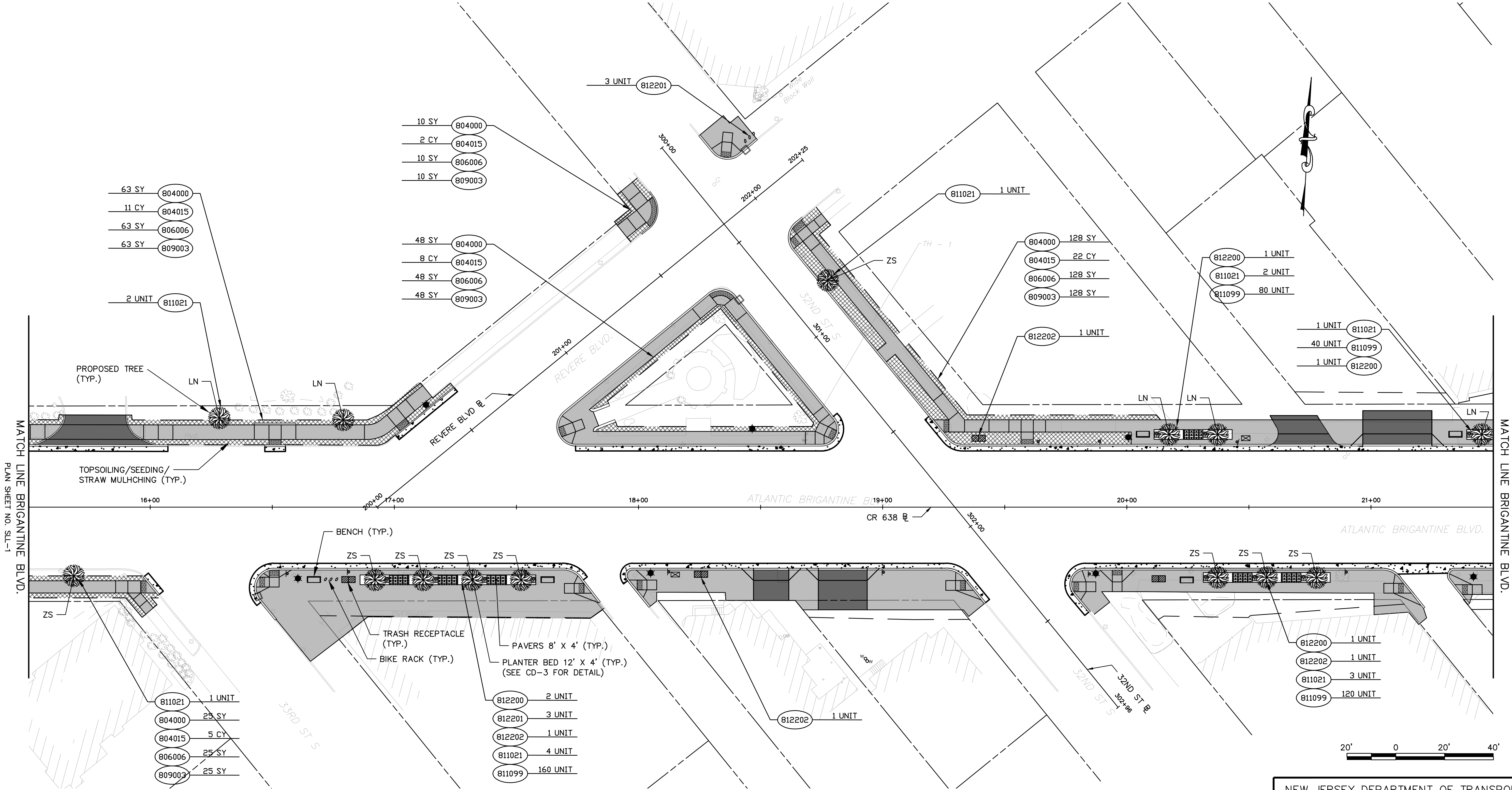
BRIAN W. MAUSERT

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE04647900

L-1

L-3

32



MATCH LINE BRIGANTINE BLVD.
PLAN SHEET NO. SL-1

MATCH LINE BRIGANTINE BLVD.
PLAN SHEET NO. SL-3

ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
804000P	TOPSOIL SPREADING 4" THICK	274 SY
804015P	BORROW TOPSOIL	48 CY
806006P	FERTILIZING AND SEEDING, TYPE A-3	274 SY
809003M	STRAW MULCHING	274 SY
811021M	SMALL DECIDUOUS TREE, 3-3 1/2" CALIPER, B&B	14 UNIT
811099M	GROUND COVER OR VINE, #1 CONTAINER	400 UNIT
NS812200	BENCH	5 UNIT
NS812201	BIKE RACK	6 UNIT
NS812202	TRASH RECEPTACLE	4 UNIT

LEGEND

PROPOSED SIDEWALK

TOPSOILING / FERTILIZING & SEEDING / STRAW MULCHING

PROPOSED BENCH

PROPOSED BIKE RACK

PROPOSED TRASH RECEPTACLE

PROPOSED TREE



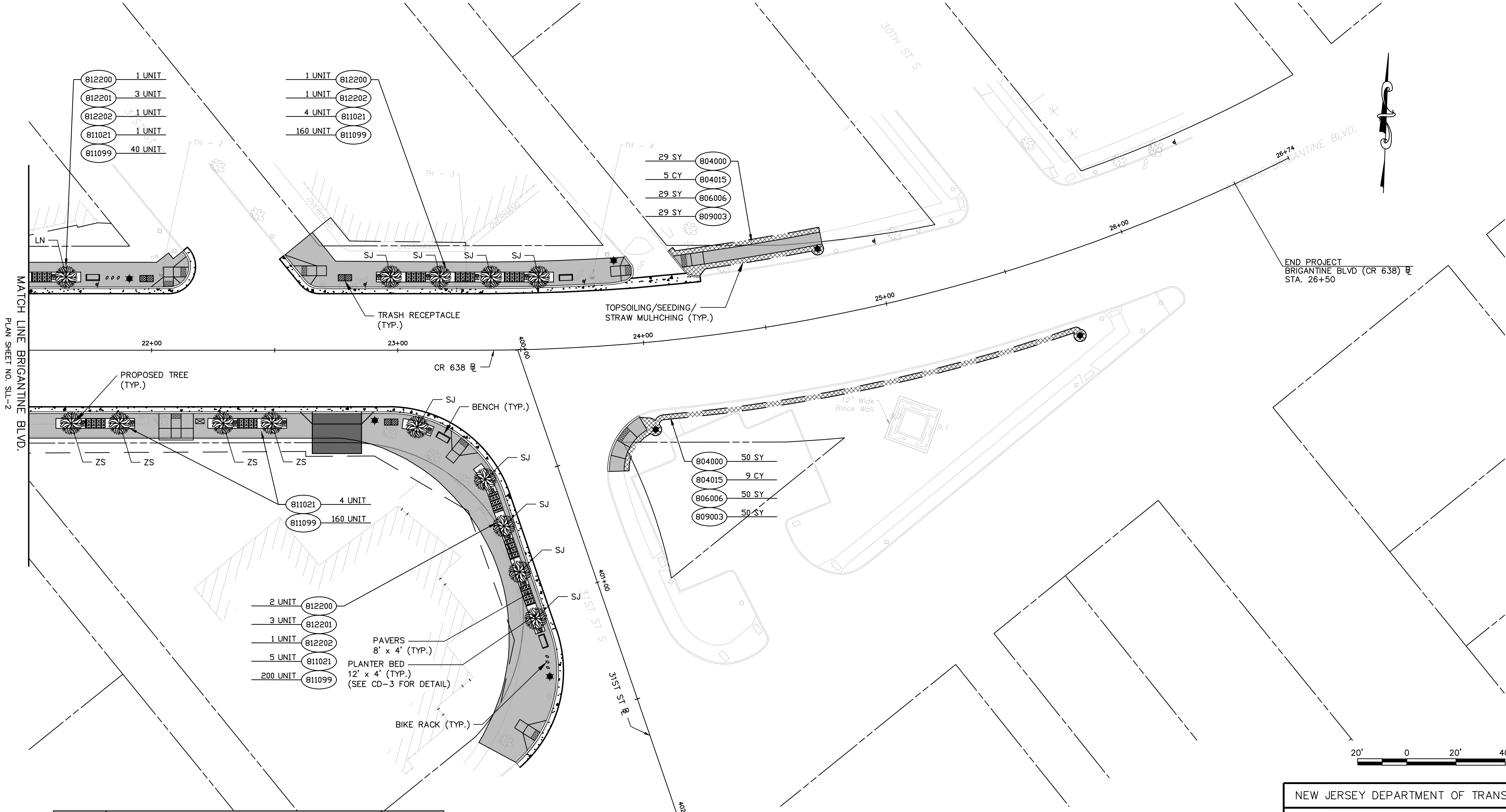
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LANDSCAPE PLANS

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Brian W. Mausert
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MATCH LINE BRIGANTINE BLVD.
PLAN SHEET NO. SL-2

END PROJECT
BRIGANTINE BLVD (CR 638) @
STA. 26+50

ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
804000P	TOPSOIL SPREADING 4" THICK	79 SY
804015P	BORROW TOPSOIL	14 CY
806006P	FERTILIZING AND SEEDING, TYPE A-3	79 SY
809003M	STRAW MULCHING	79 SY
811021M	SMALL DECIDUOUS TREE, 3-3 1/2" CALIPER, B&B	14 UNIT
811099M	GROUND COVER OR VINE, #1 CONTAINER	560 UNIT
NS812200	BENCH	4 UNIT
NS812201	BIKE RACK	6 UNIT
NS812202	TRASH RECEPTACLE	3 UNIT

LEGEND

PROPOSED SIDEWALK

TOPSOILING / FERTILIZING & SEEDING / STRAW MULCHING

PROPOSED BENCH

0 0 0

 PROPOSED BIKE RACK

PROPOSED TRASH RECEPTACLE

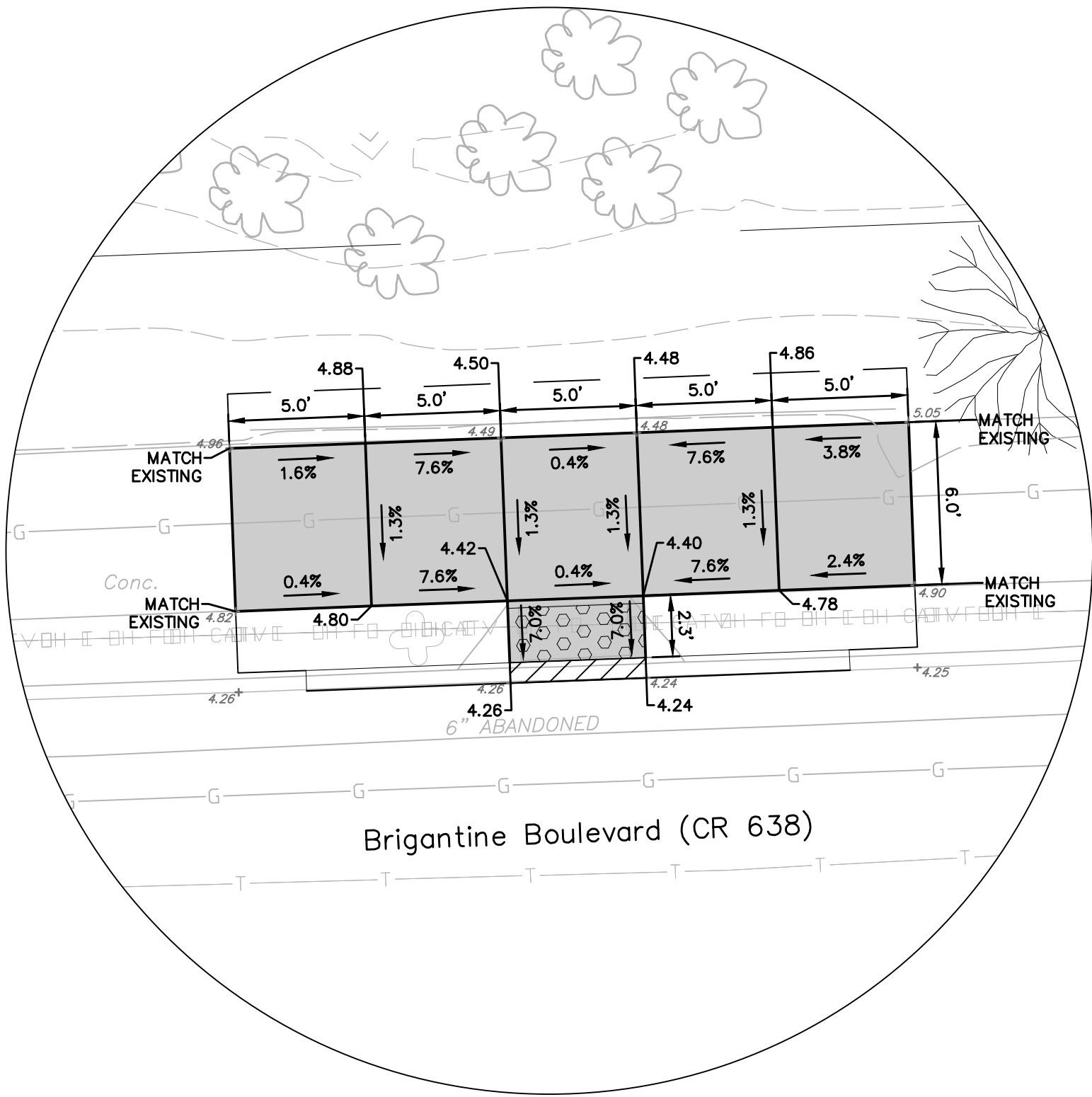
PROPOSED TREE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

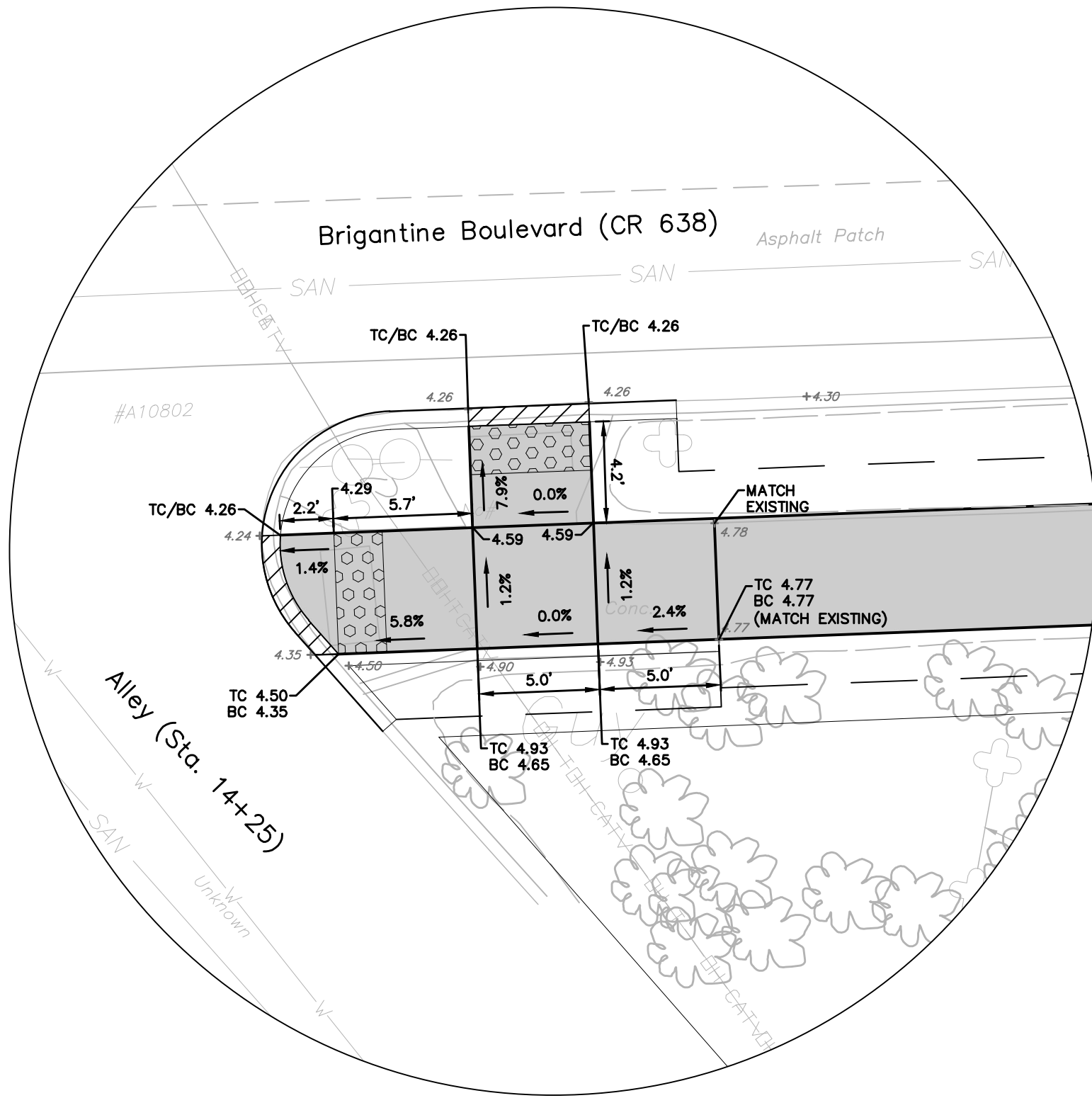
LANDSCAPE PLANS
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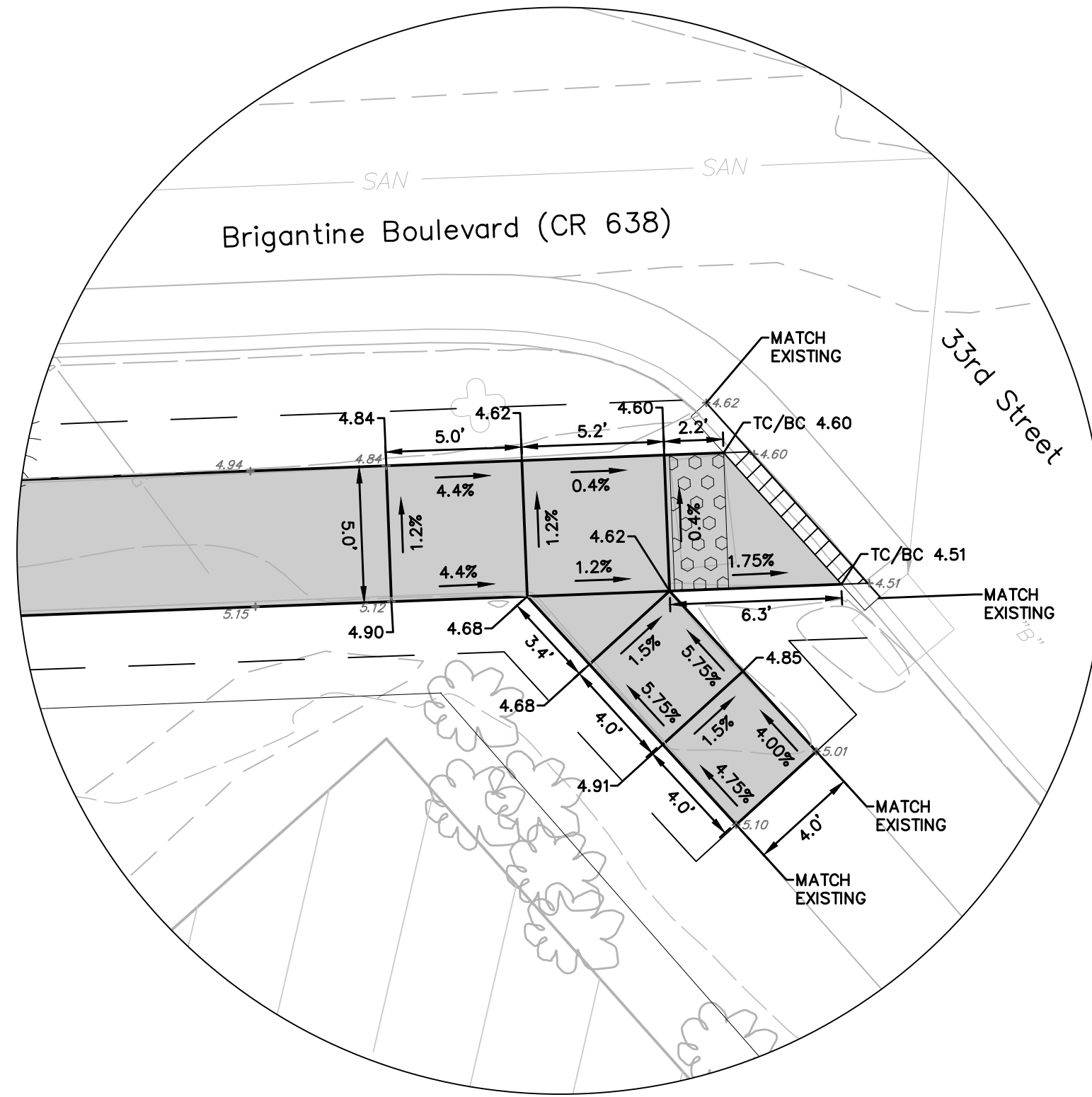
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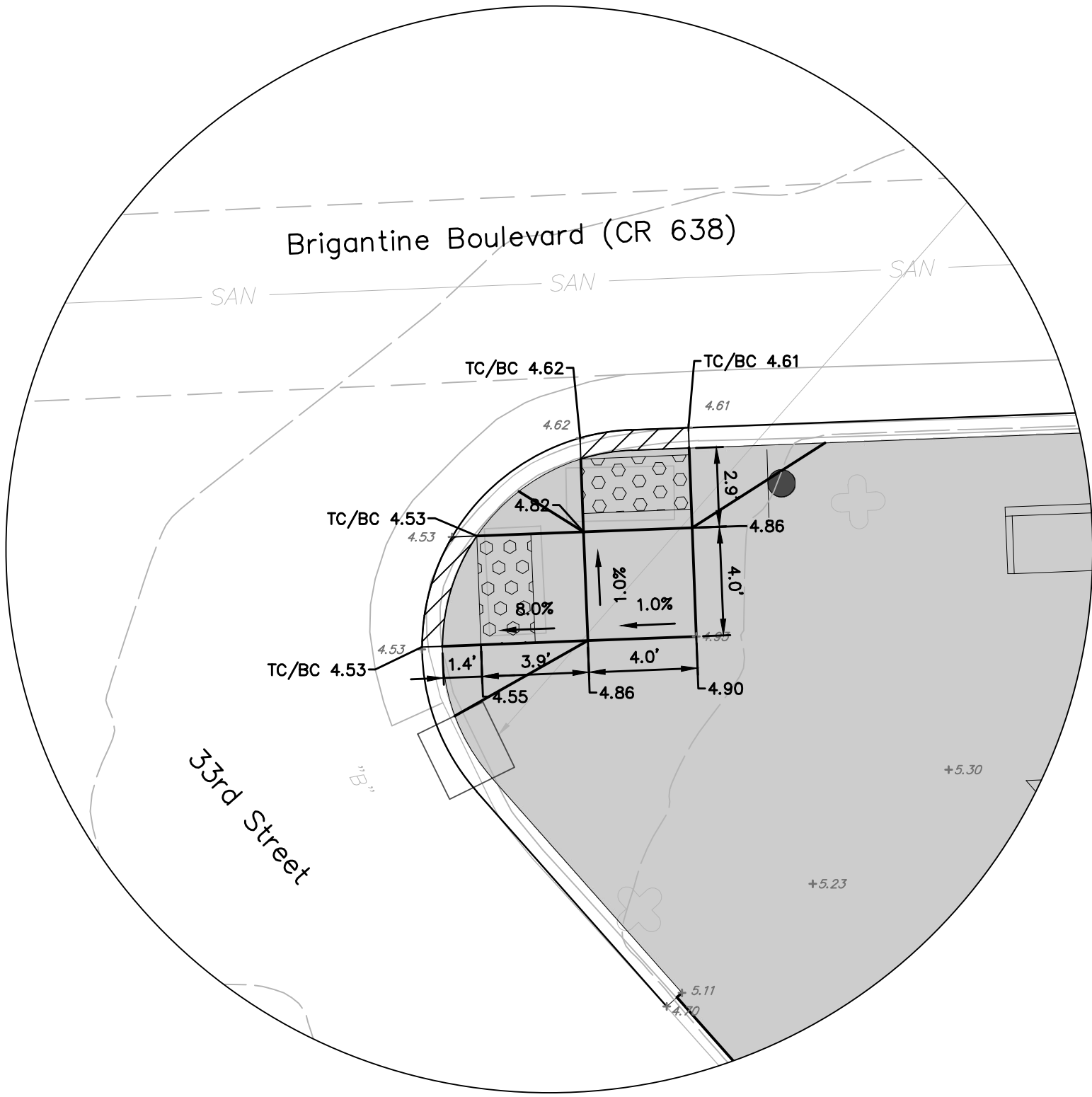
CURB RAMP NO. 1
TYPE 4
(SEE C-1)



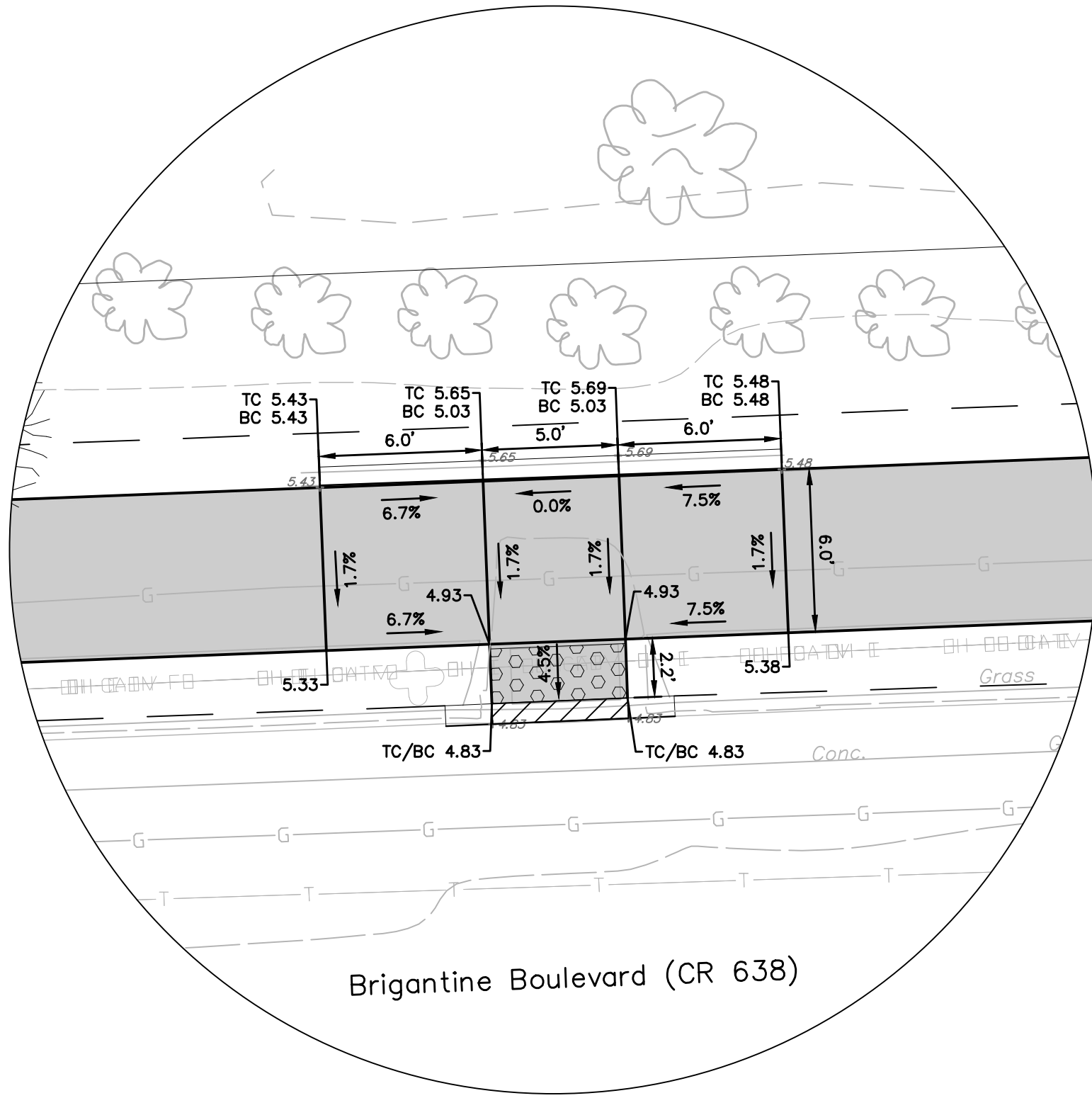
CURB RAMP NO. 2
TYPE 4
(SEE C-1)



CURB RAMP NO. 3
TYPE 7
(SEE C-2)



CURB RAMP NO. 4
TYPE 4
(SEE C-2)



CURB RAMP NO. 5
TYPE 4
(SEE C-2)

LEGEND

- LIMIT OF DISTURBANCE
- PROPOSED SIDEWALK
- PROPOSED DETECTABLE WARNING SURFACE
- PROPOSED FLUSH CURB

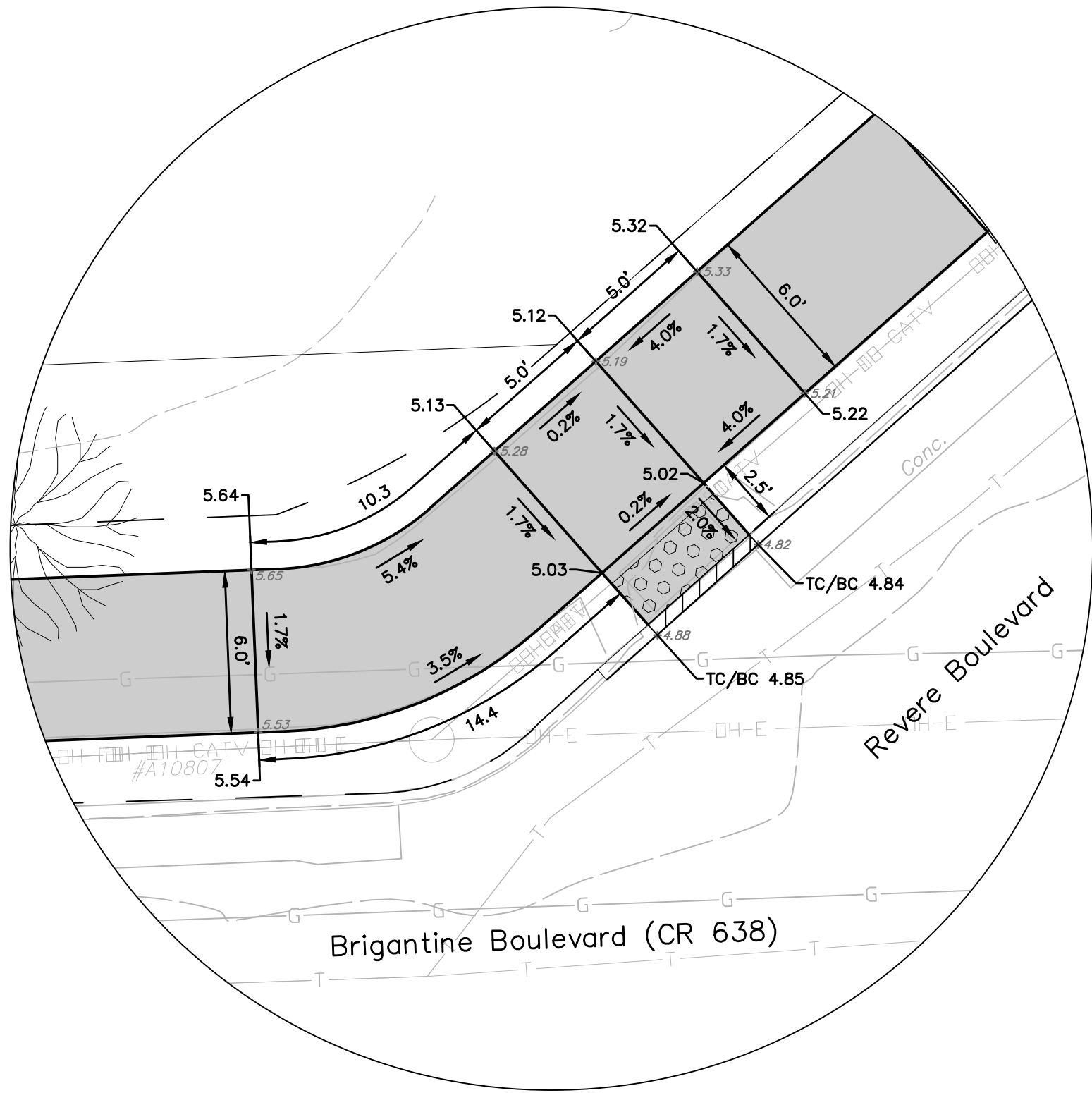


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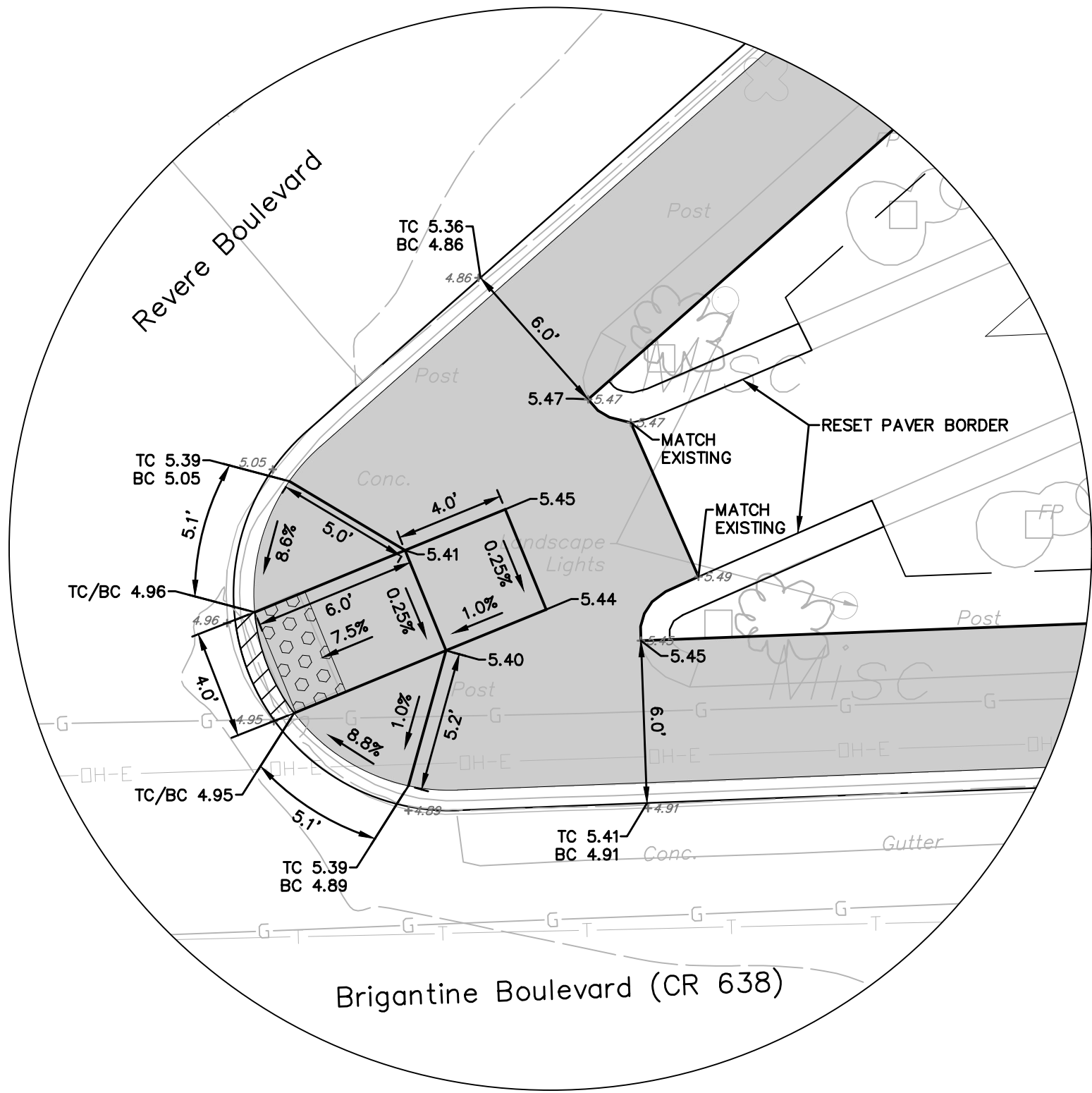
ADA CURB RAMP DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE IMPROVEMENTS
CITY OF BRIGANTINE

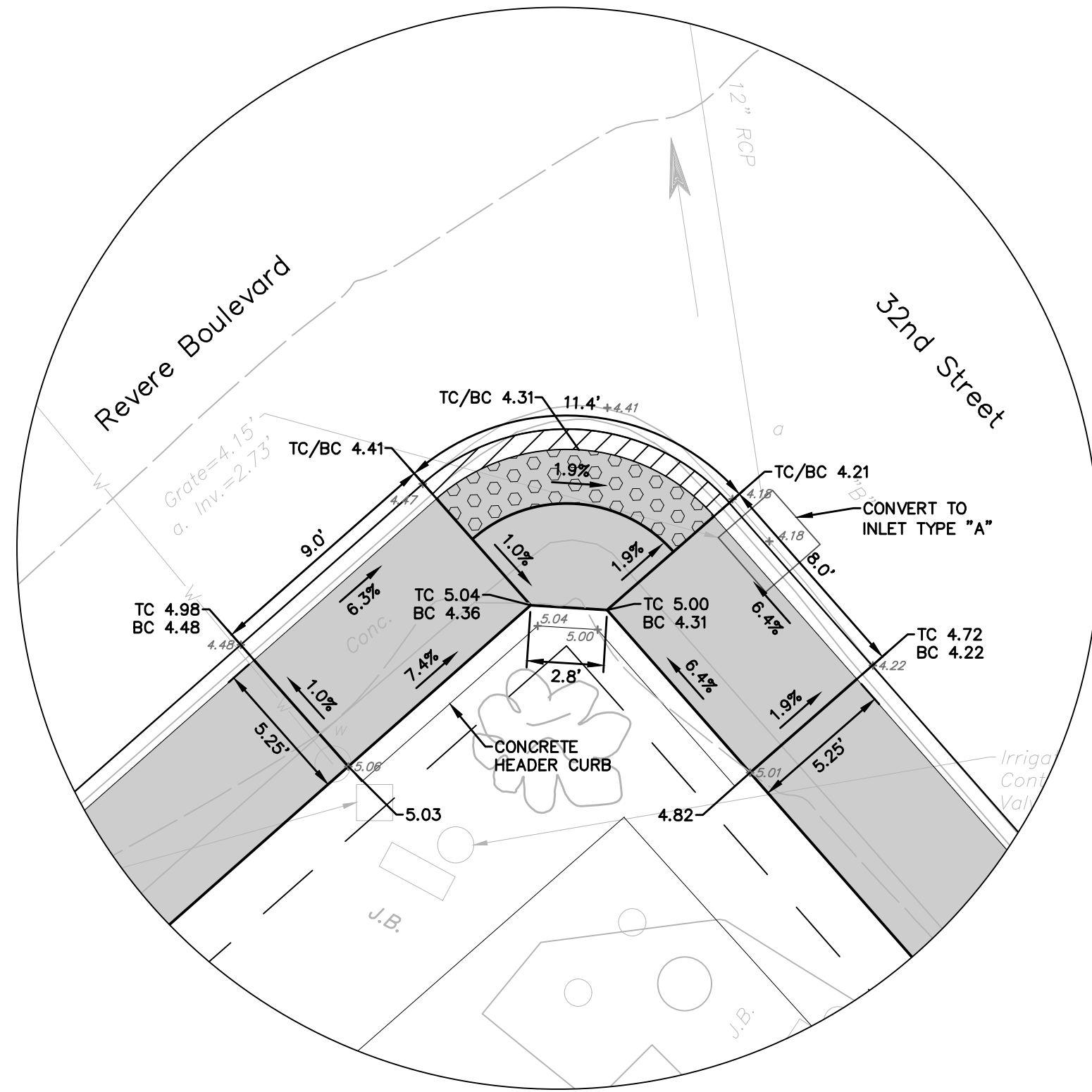
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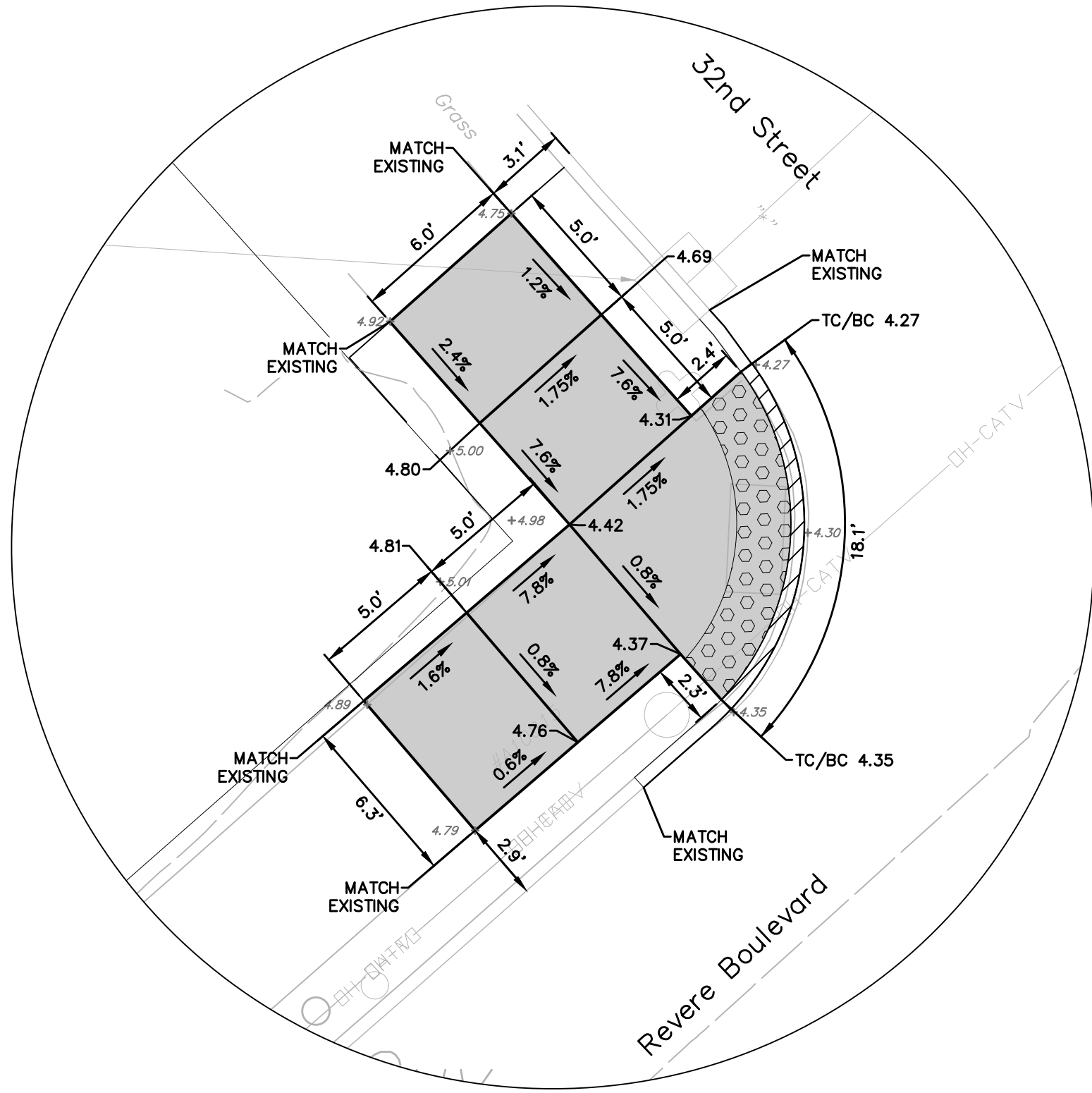
CURB RAMP NO. 6
TYPE 4
(SEE C-2)



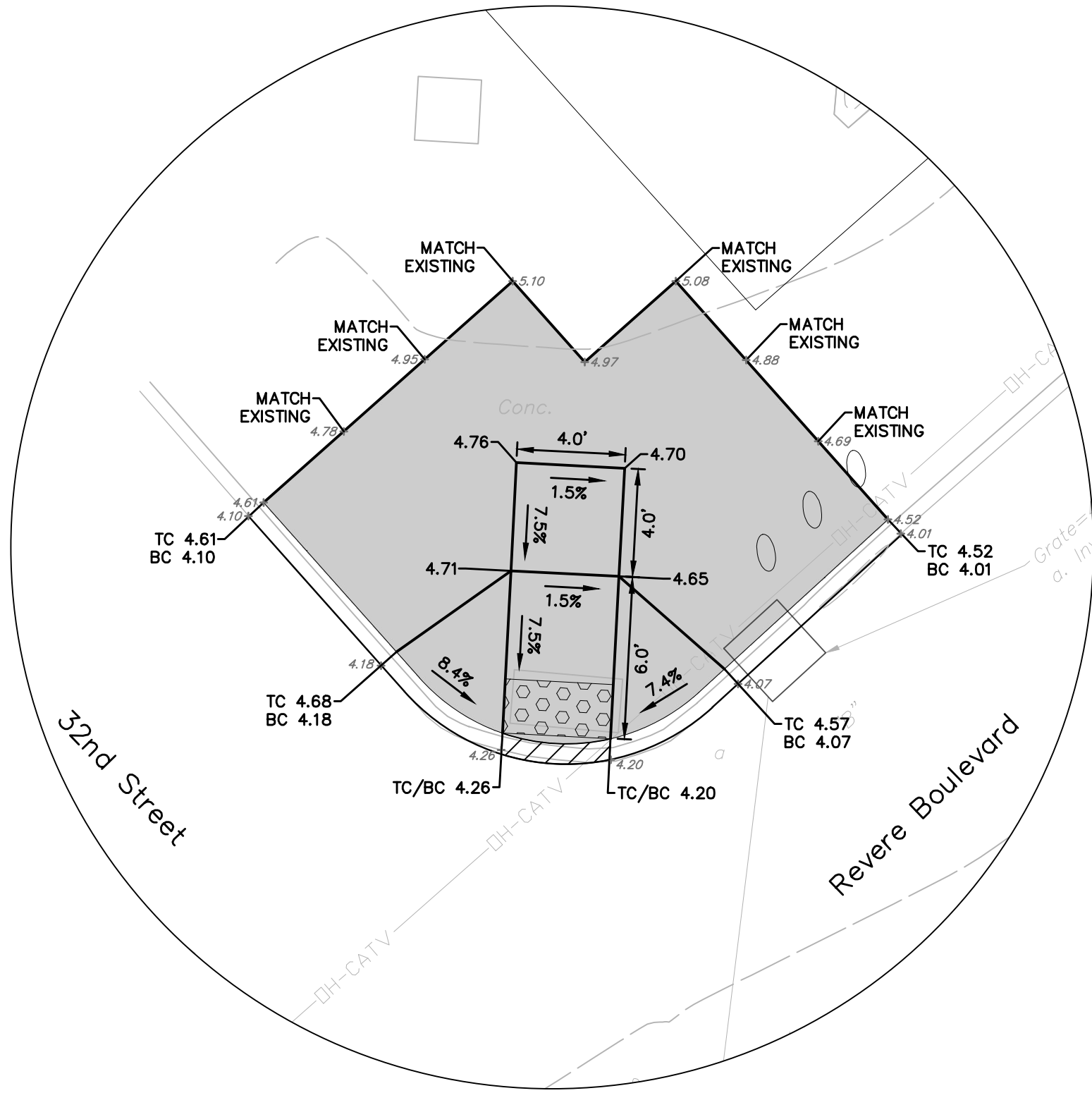
CURB RAMP NO. 7
TYPE 3
(SEE C-2)



CURB RAMP NO. 8
TYPE 7
(SEE C-2)



CURB RAMP NO. 9
TYPE 6
(SEE C-2)



CURB RAMP NO. 10
TYPE 3
(SEE C-2)

LEGEND

	LIMIT OF DISTURBANCE
	PROPOSED SIDEWALK
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED FLUSH CURB



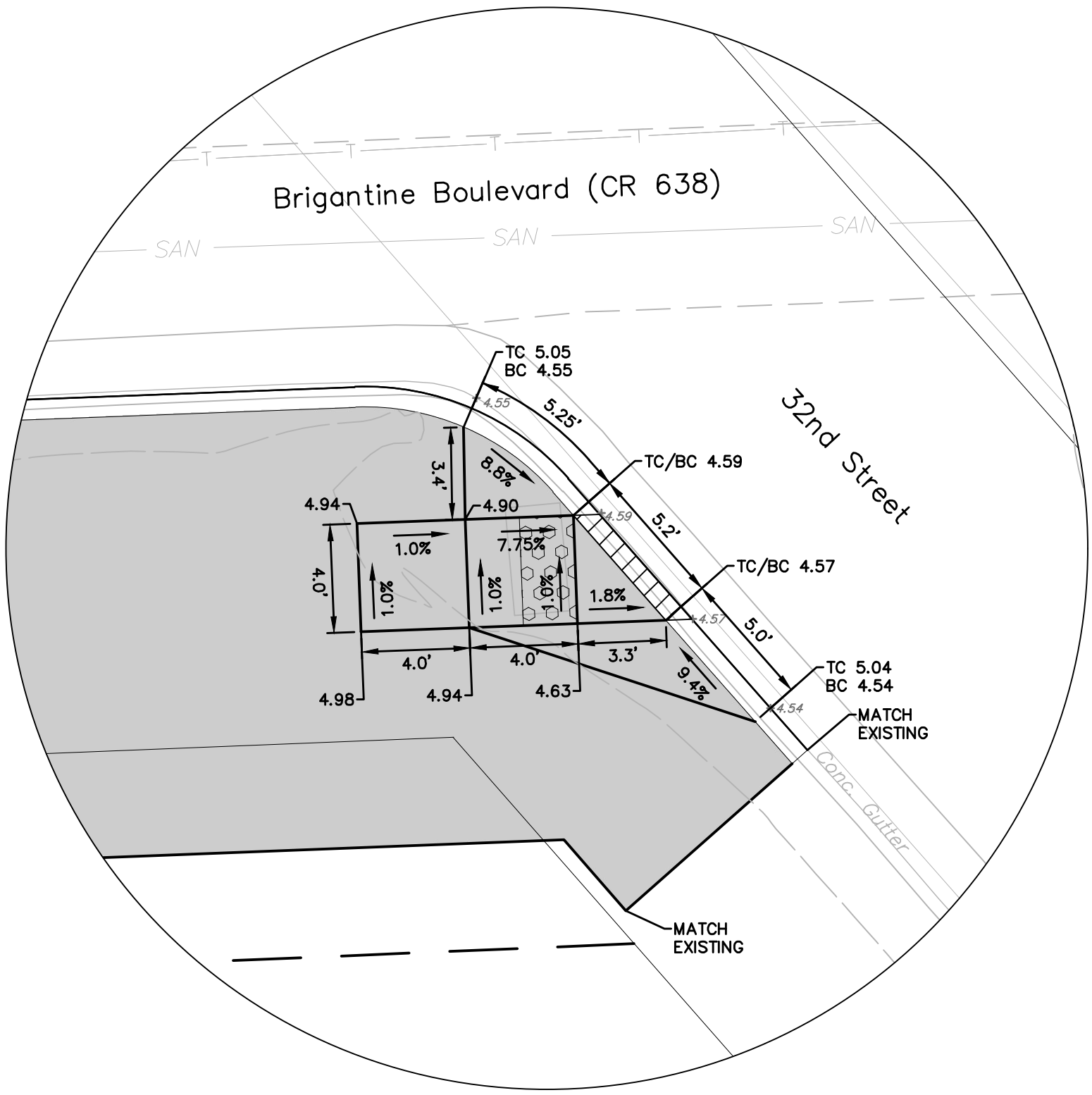
ADA-2
ADA-6

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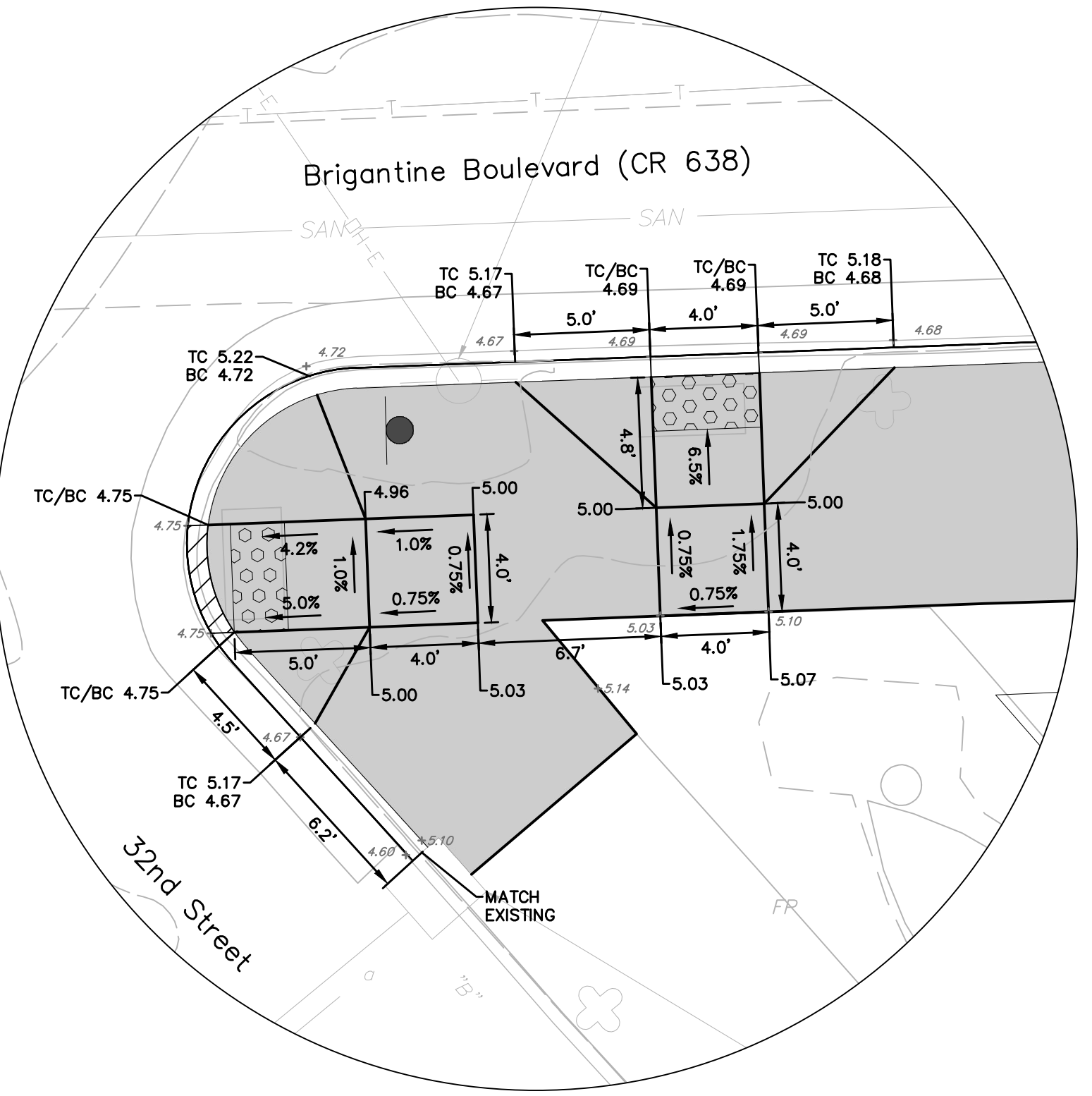
ADA CURB RAMP DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE
IMPROVEMENTS
CITY OF BRIGANTINE

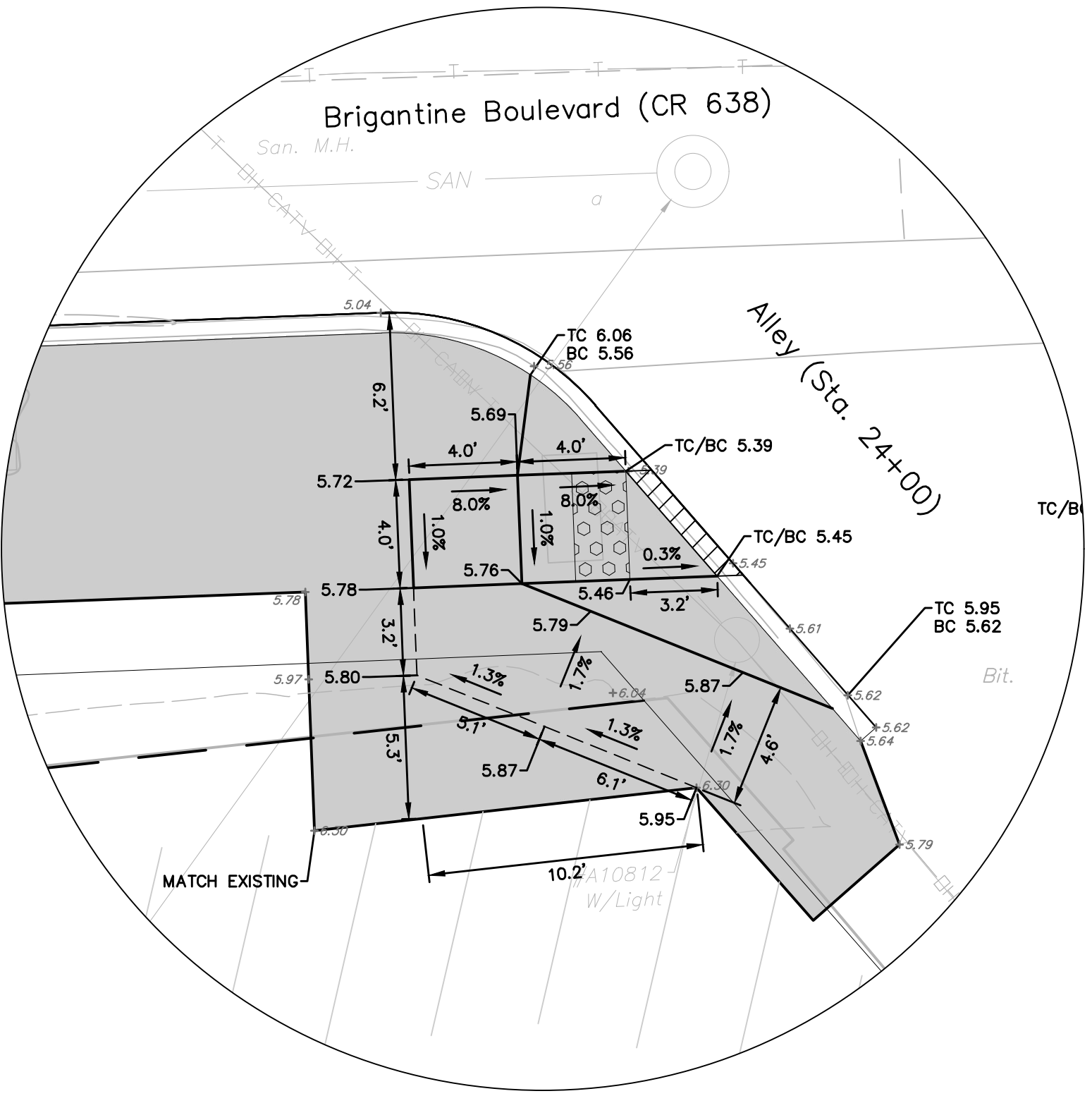
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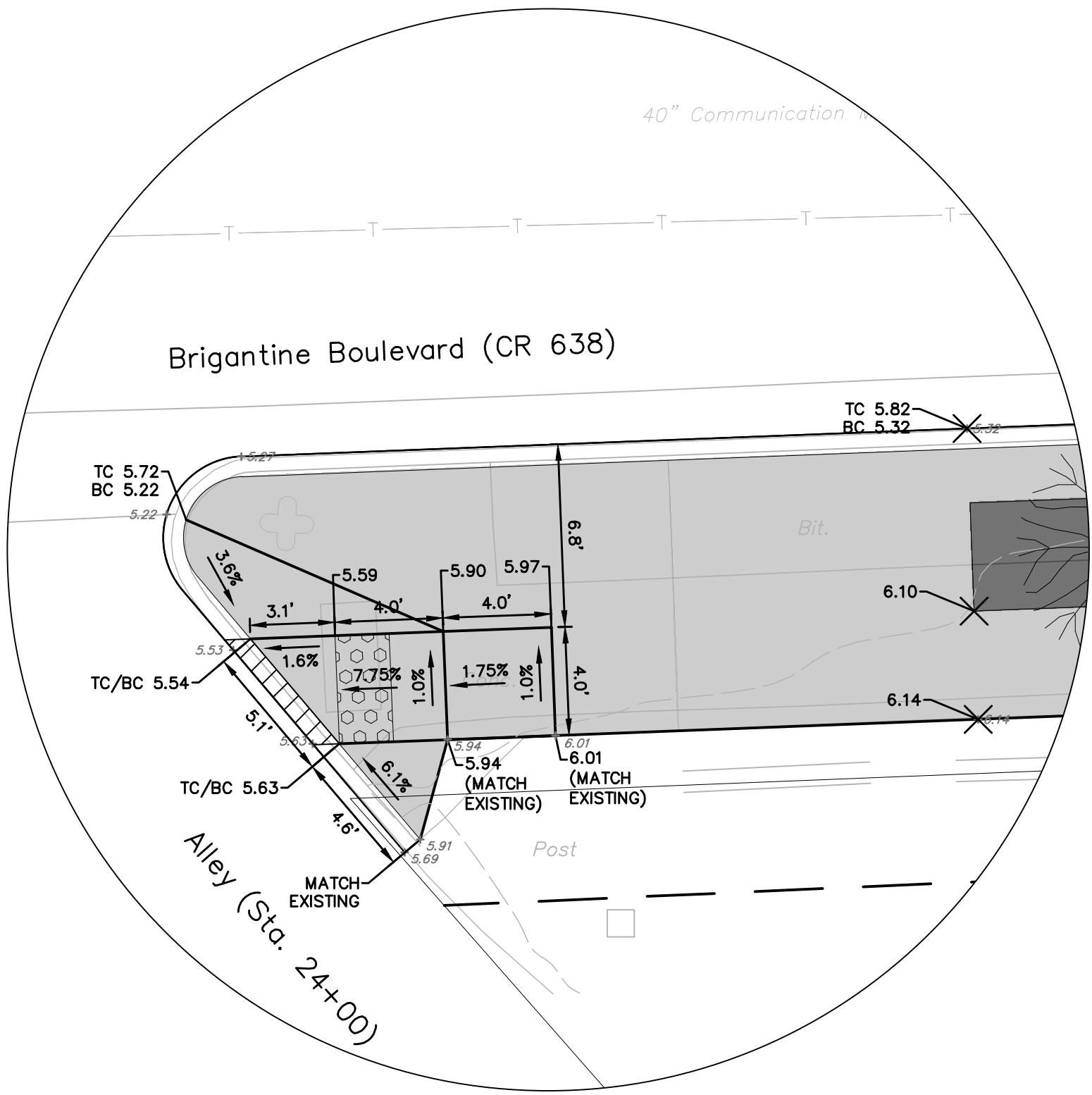
CURB RAMP NO. 17
TYPE 3
(SEE C-2)



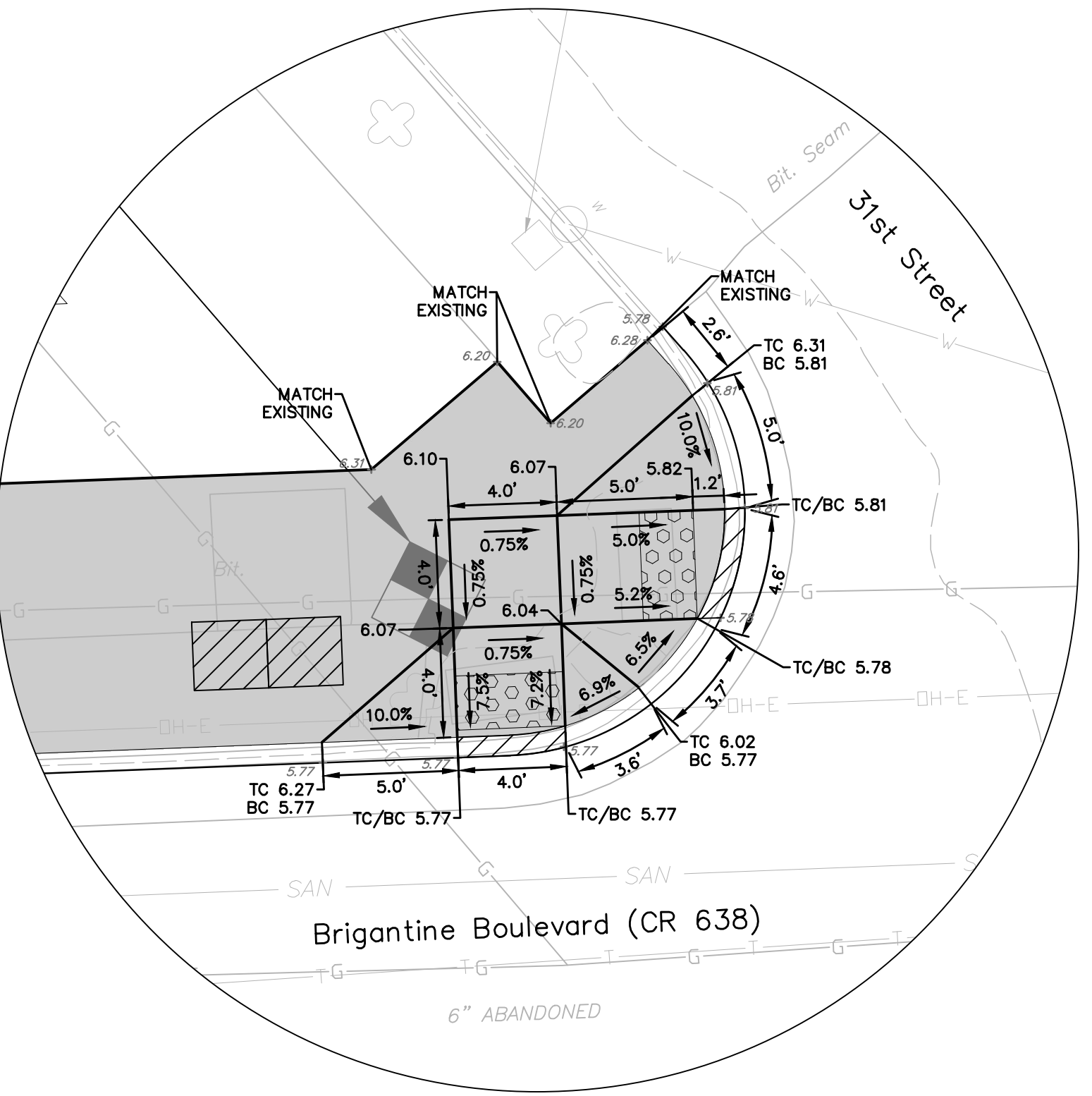
CURB RAMP NOS. 18 & 19
TYPE 3 & 3
(SEE C-2)



CURB RAMP NO. 20
TYPE 3
(SEE C-2)



CURB RAMP NO. 21
TYPE 3
(SEE C-2)



CURB RAMP NO. X
TYPE 3
(SEE C-3)

LEGEND

- [Dashed line] LIMIT OF DISTURBANCE
- [Solid grey fill] PROPOSED SIDEWALK
- [Patterned fill] PROPOSED DETECTABLE WARNING SURFACE
- [Hatched fill] PROPOSED FLUSH CURB



NEW JERSEY DEPARTMENT OF TRANSPORTATION

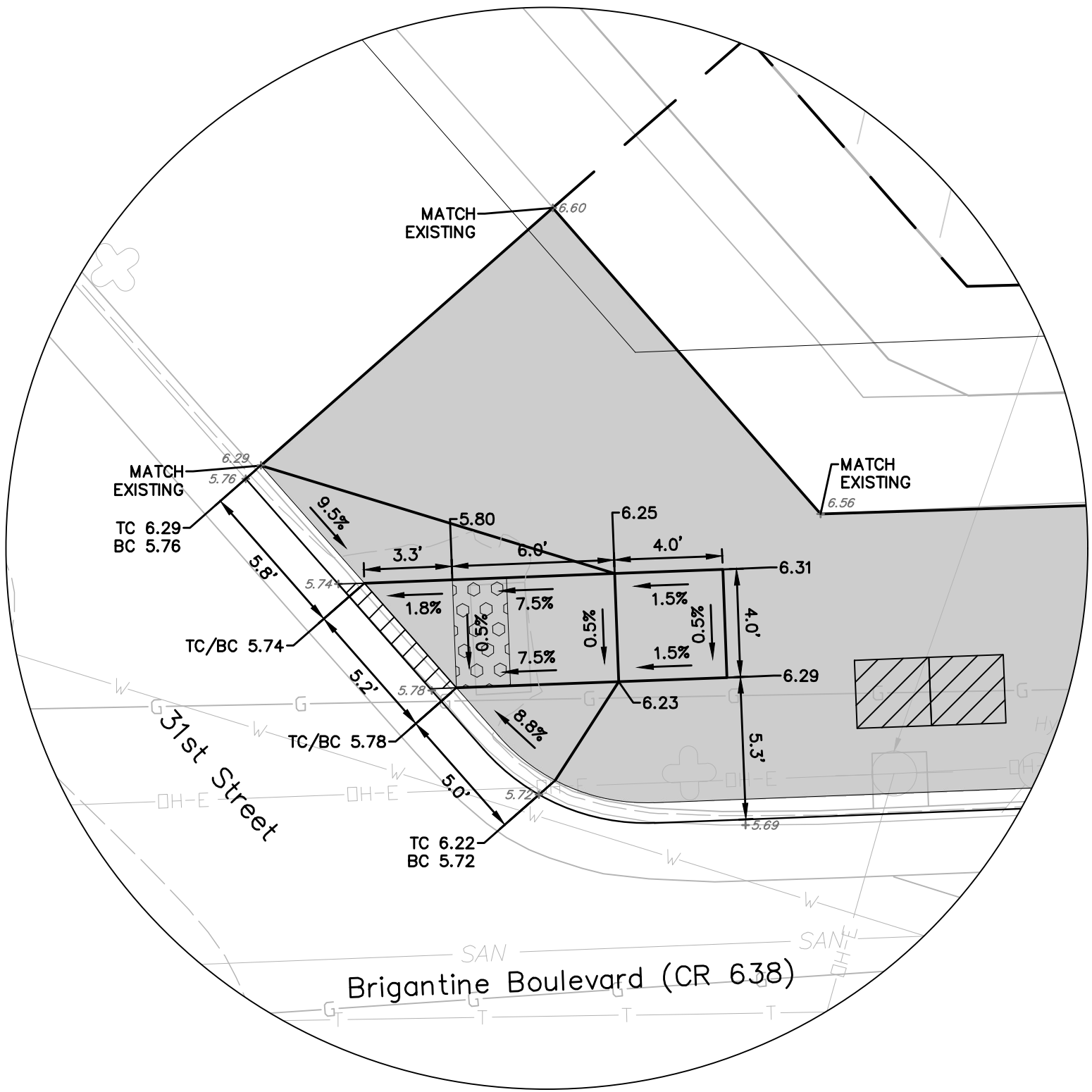
ADA CURB RAMP DETAILS
LIGHTHOUSE DISTRICT STREETSCAPE
IMPROVEMENTS
CITY OF BRIGANTINE

GREENMAN-PEDERSEN, INC.
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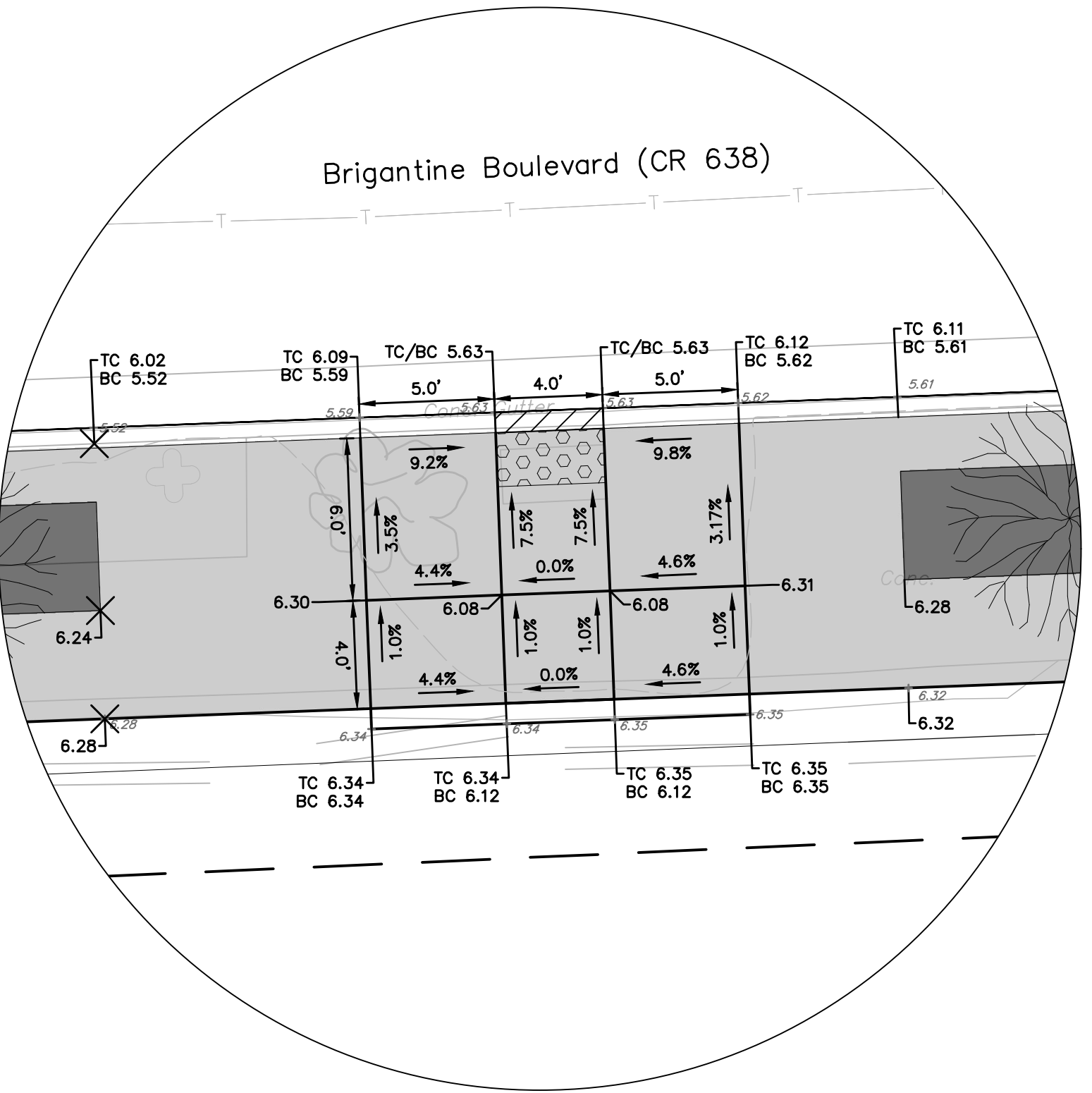
ADA-4
ADA-6

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CITY OF BRIGANTINE

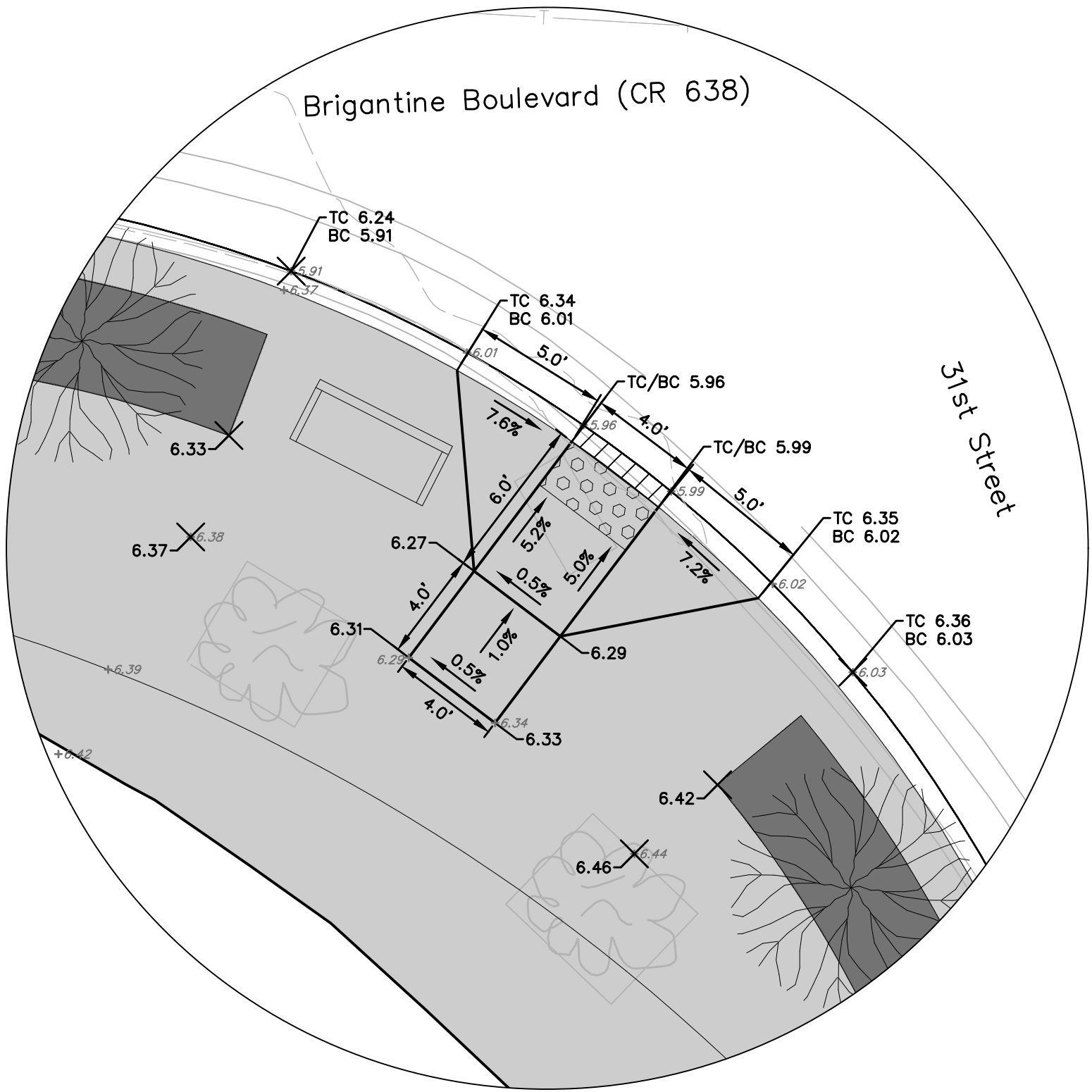


CURB RAMP NO. 23
TYPE 3
(SEE C-3)

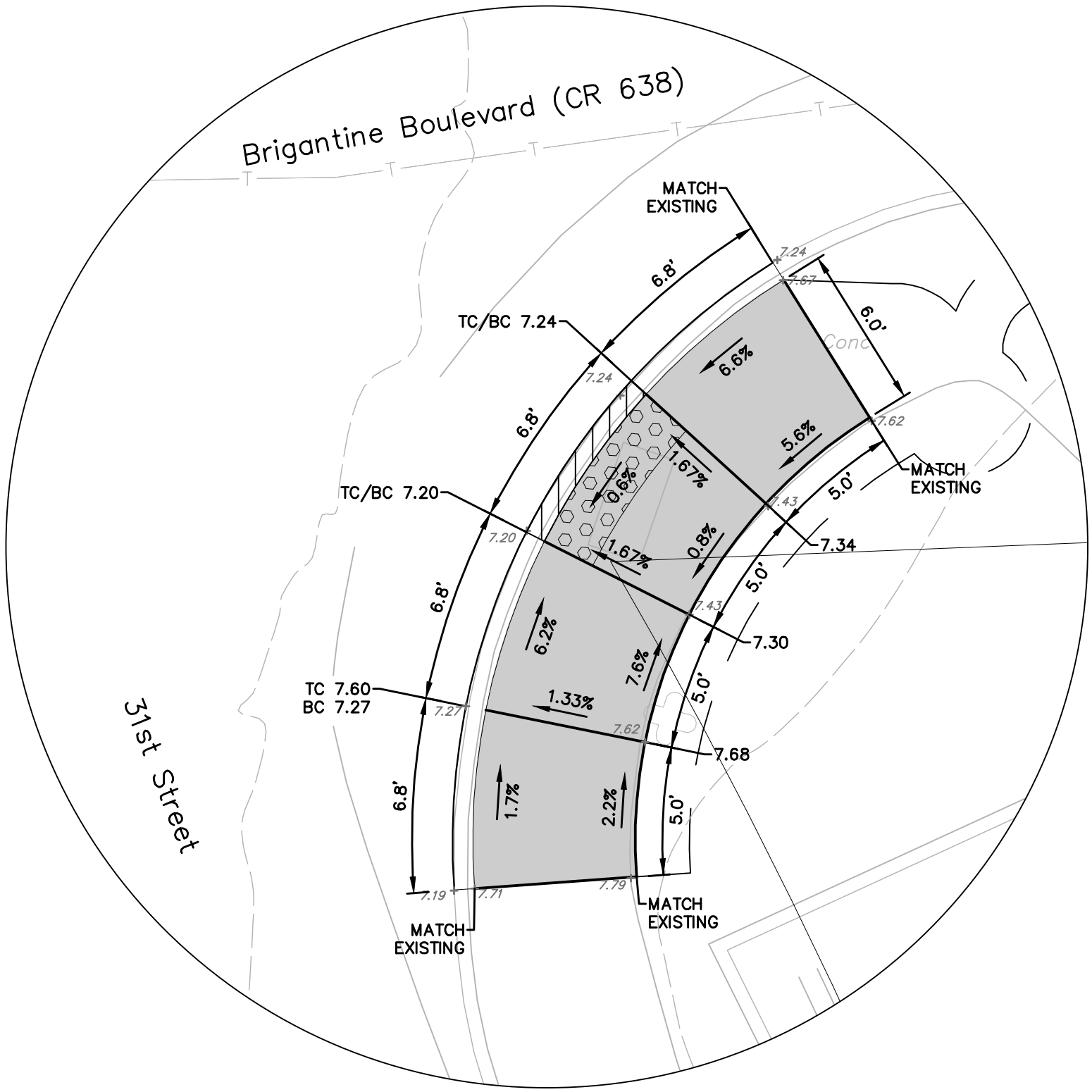


CURB RAMP NO. 24
TYPE 3
(SEE C-3)

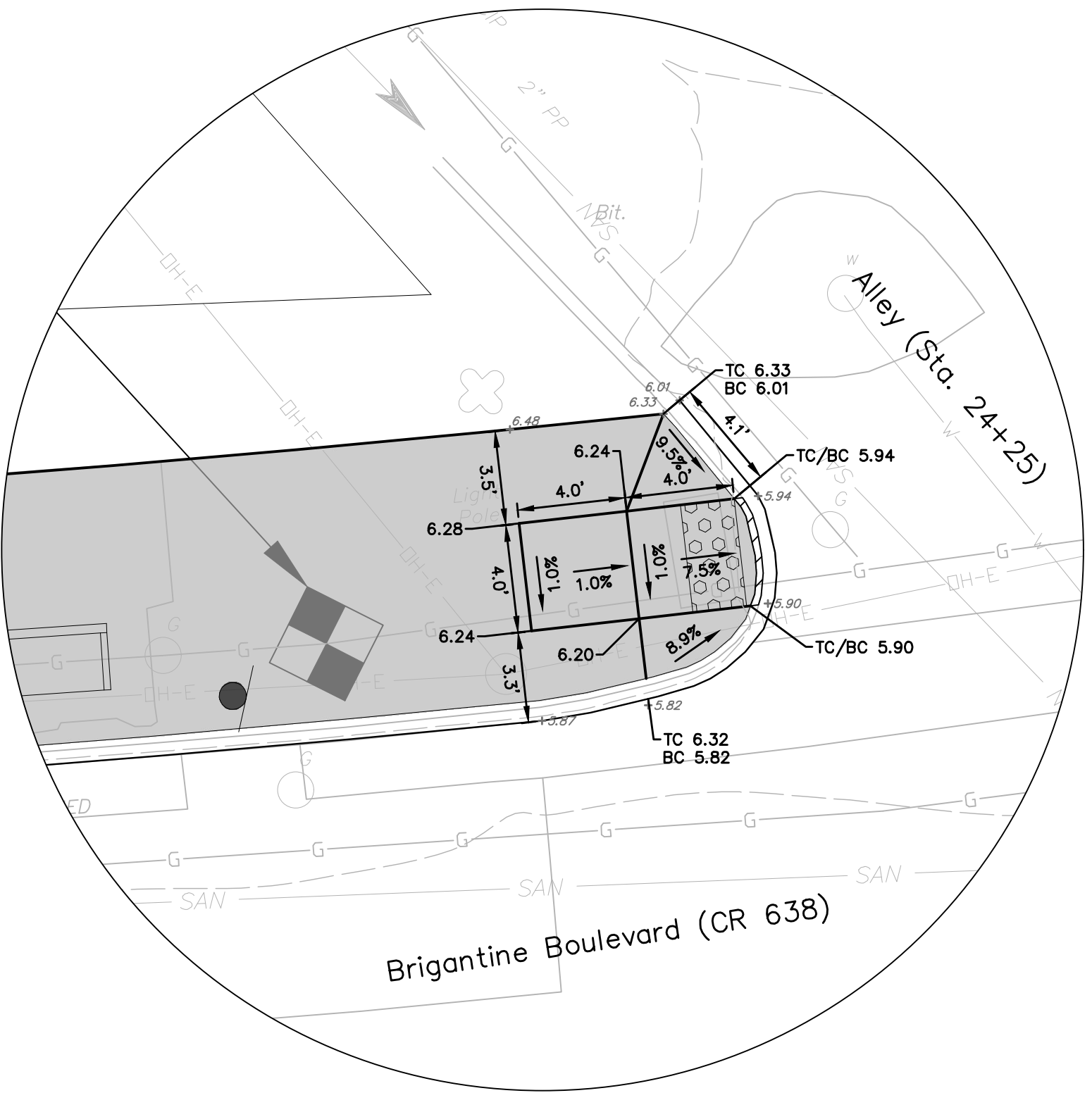
COUNTY OF ATLANTIC



CURB RAMP NO. 25
TYPE 3
(SEE C-3)



CURB RAMP NO. 26
TYPE 7
(SEE C-3)



CURB RAMP NO. 27
TYPE 3
(SEE C-3)

LEGEND

LIMIT OF DISTURBANCE

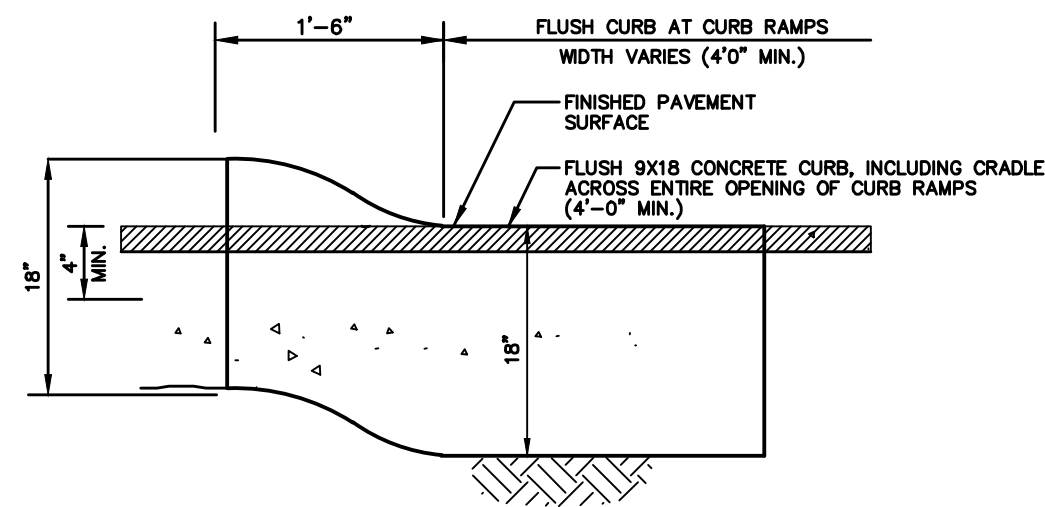
PROPOSED SIDEWALK

NEW JERSEY DEPARTMENT OF TRANSPORTATION

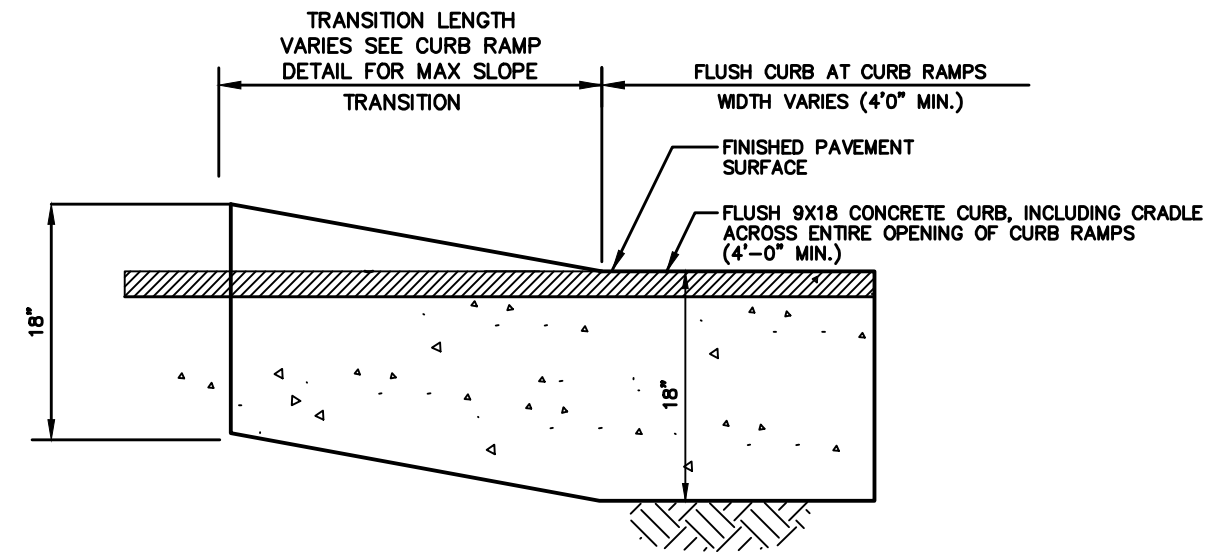
ADA CURB RAMP DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE
IMPROVEMENTS
CITY OF BRIGANTINE

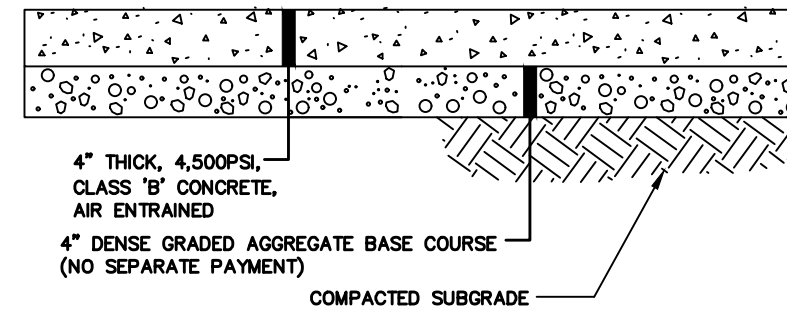
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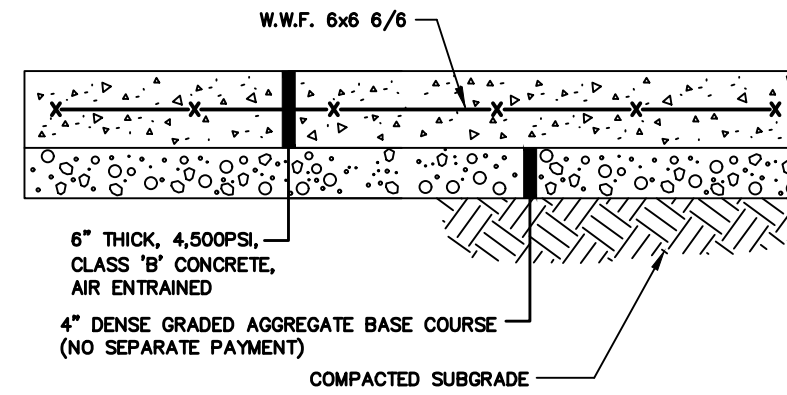
**DROP CURB
AT ADA CURB RAMPS TYPE 2, 4, 5 & 6.**
N.T.S.



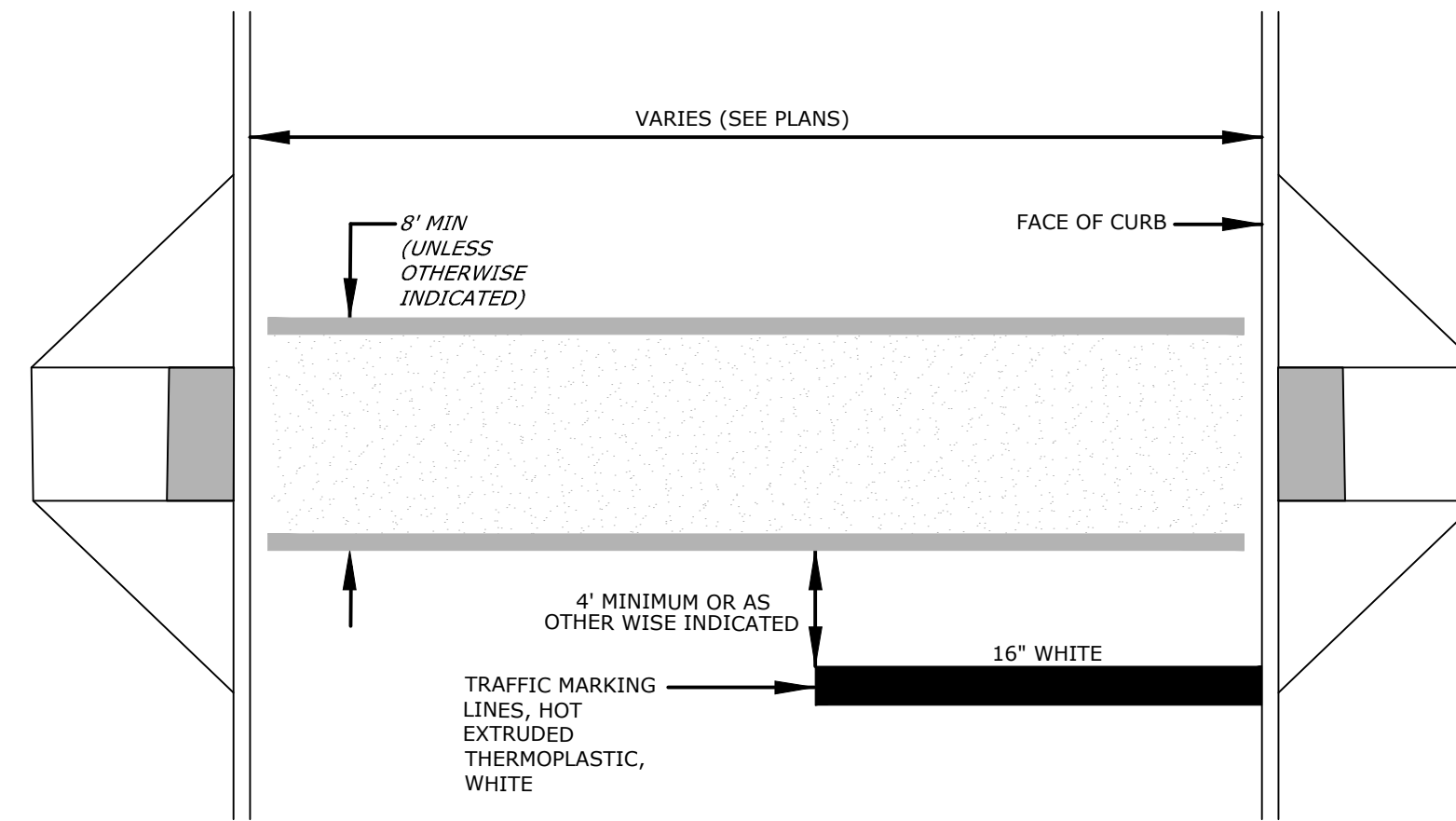
**CURB TRANSITION
AT ADA CURB RAMPS TYPE 1, 3 & 7.**
N.T.S.



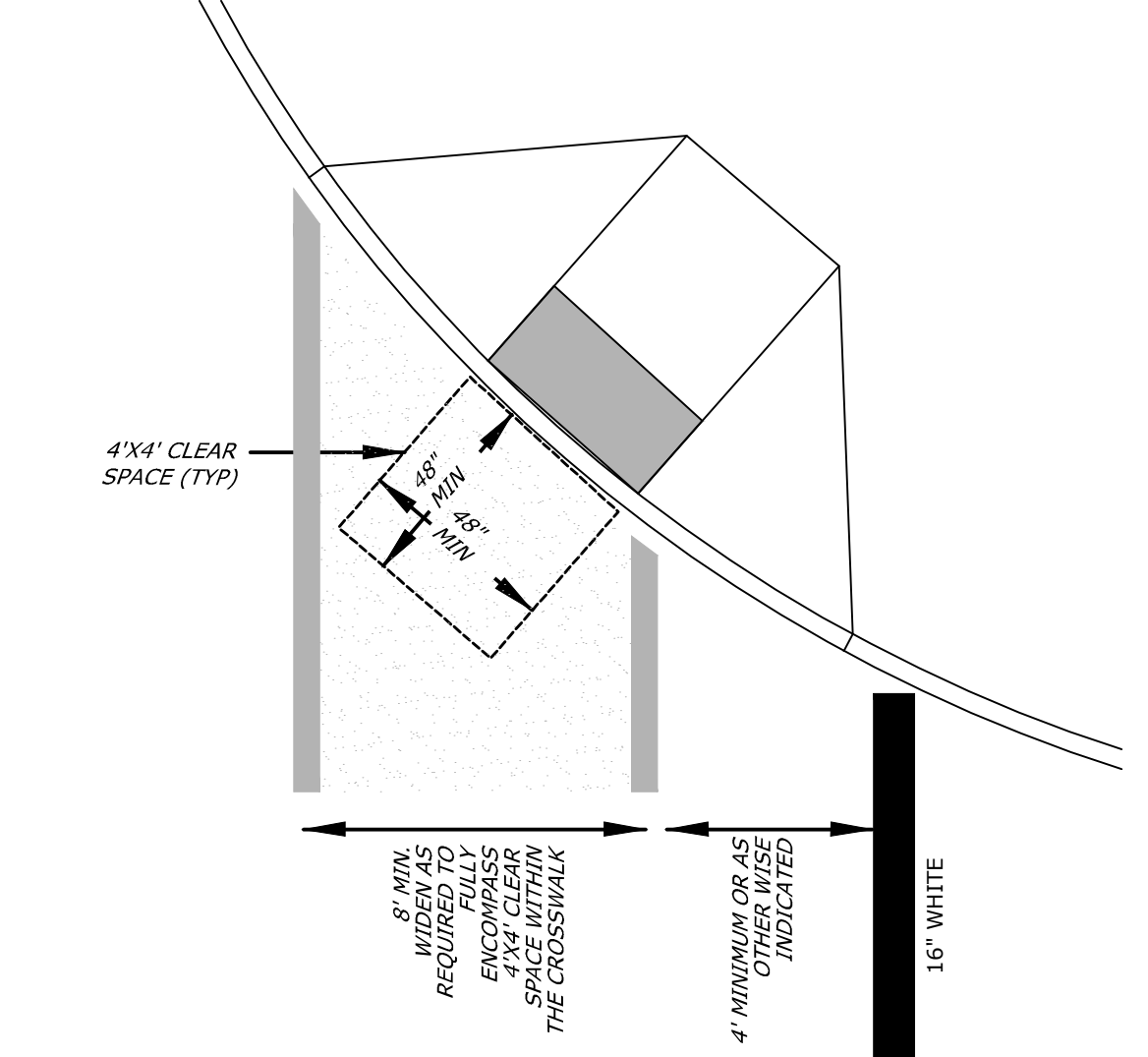
**CONCRETE SIDEWALK, 4"
THICK DETAIL**
N.T.S.



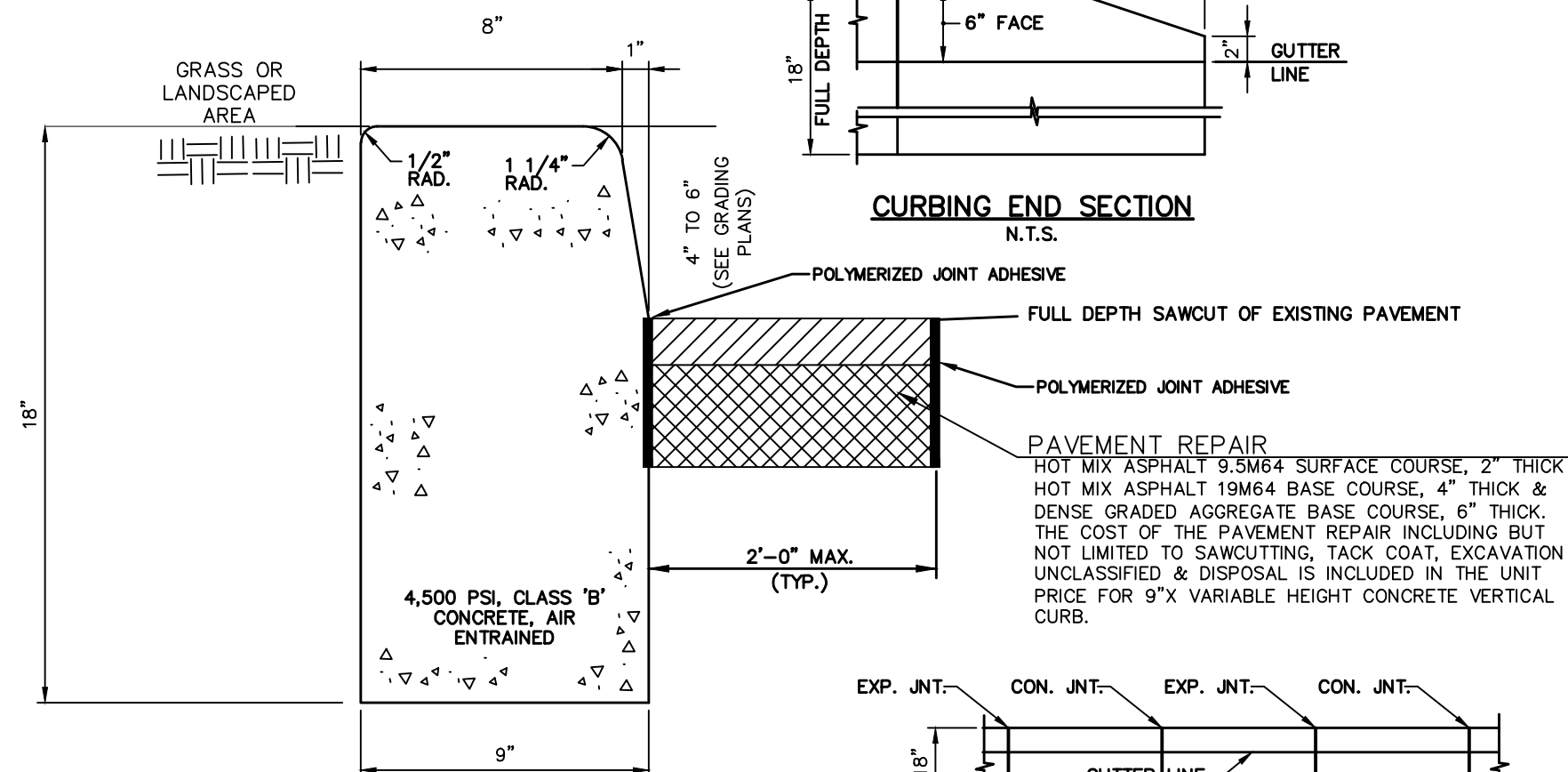
**CONCRETE SIDEWALK, REINFORCED,
6" THICK DETAIL**
N.T.S.



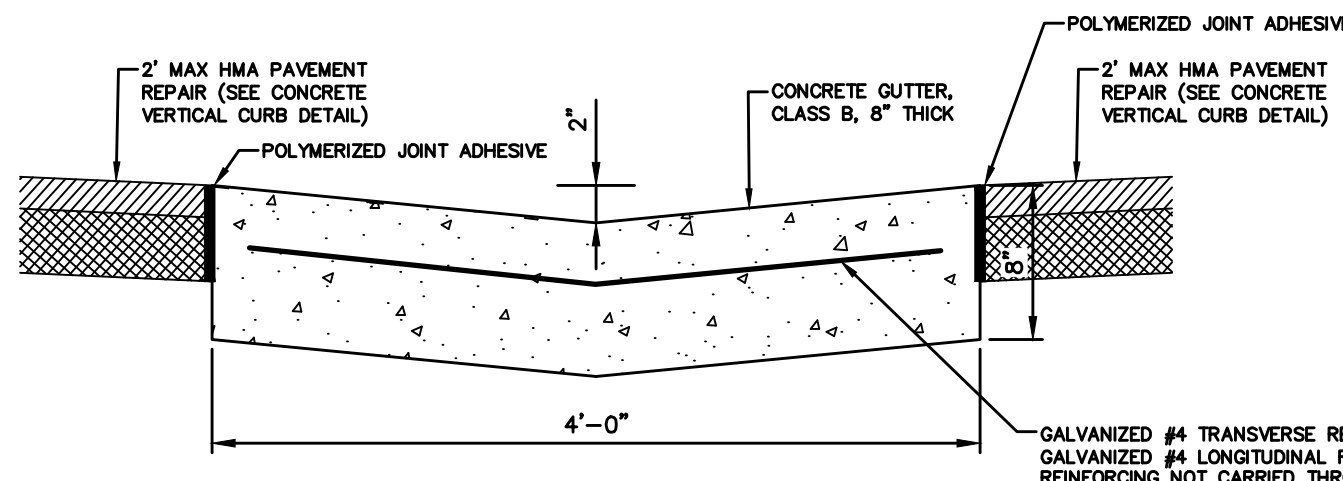
**TYPICAL STRIPING WHERE RAMP RUNS ARE PARALLEL
WITH THE ACCESSIBLE ROUTE THRU THE CROSSWALK**



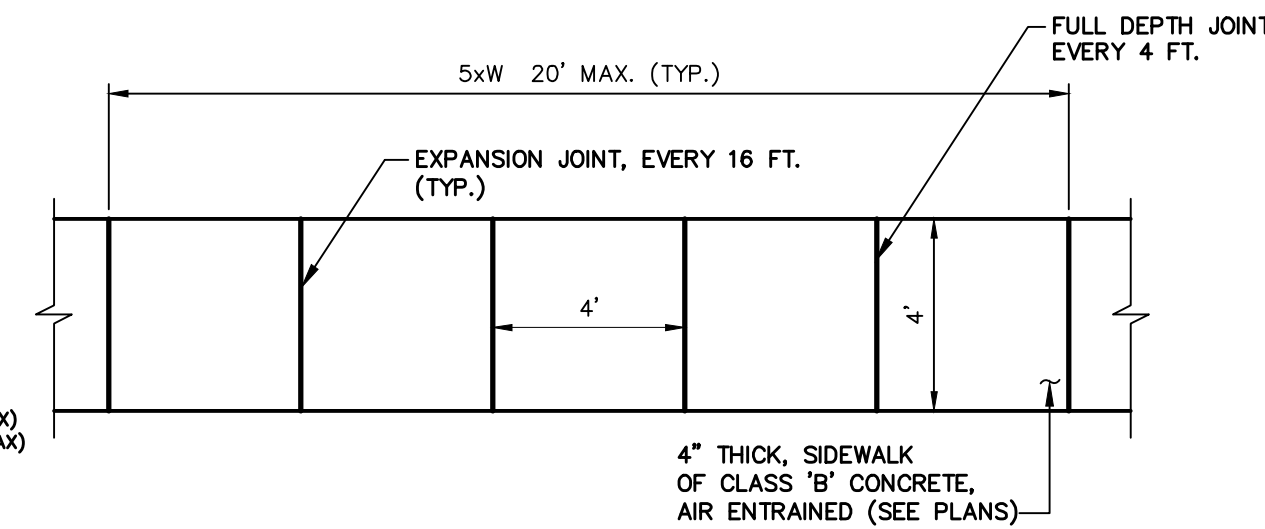
**TYPICAL STRIPING WHERE RAMP RUNS ARE SKEWED
WITH THE ACCESSIBLE ROUTE THRU THE CROSSWALK**



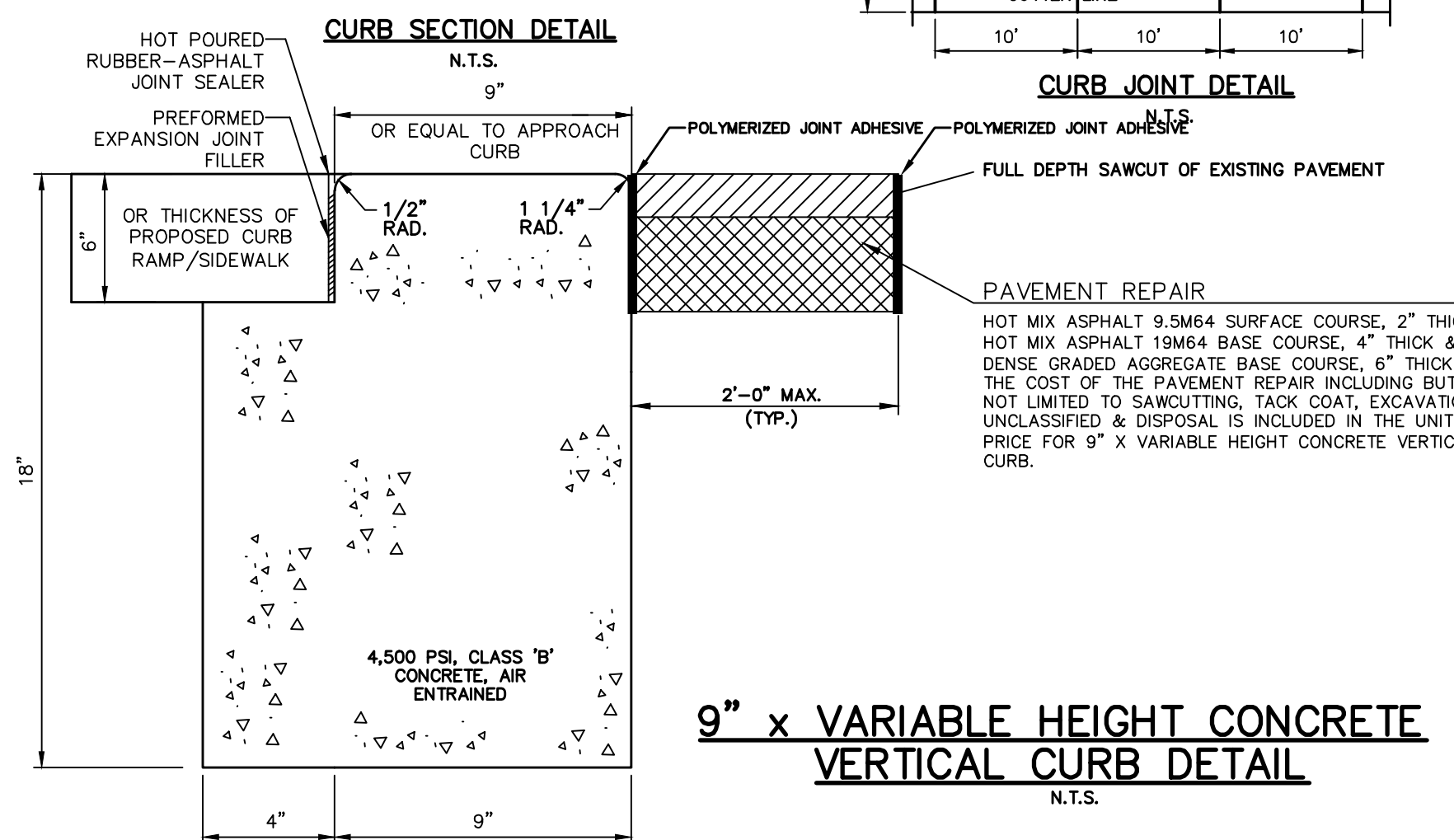
CURBING END SECTION
N.T.S.



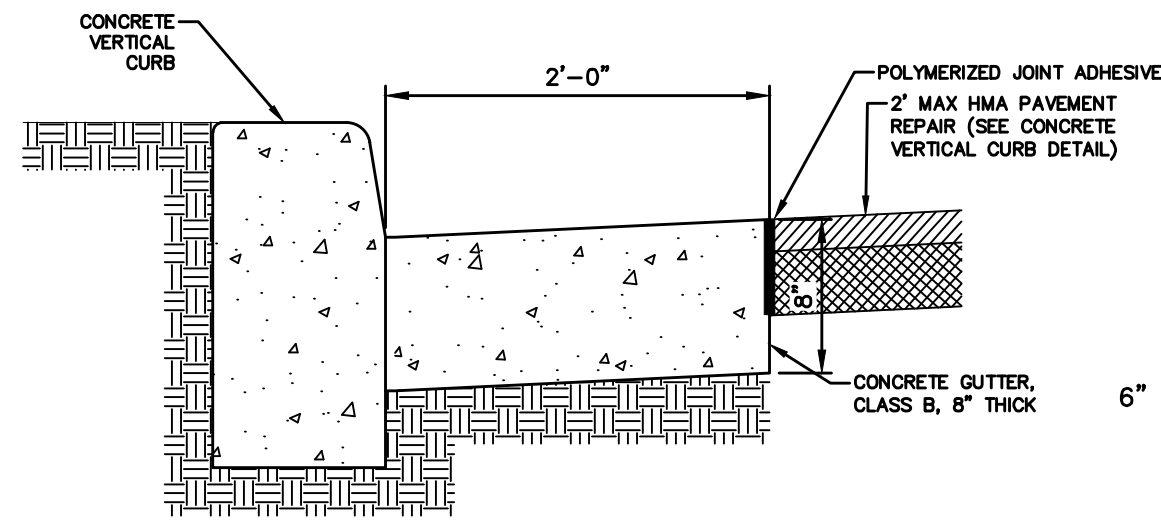
CONCRETE ROCKER GUTTER
N.T.S.



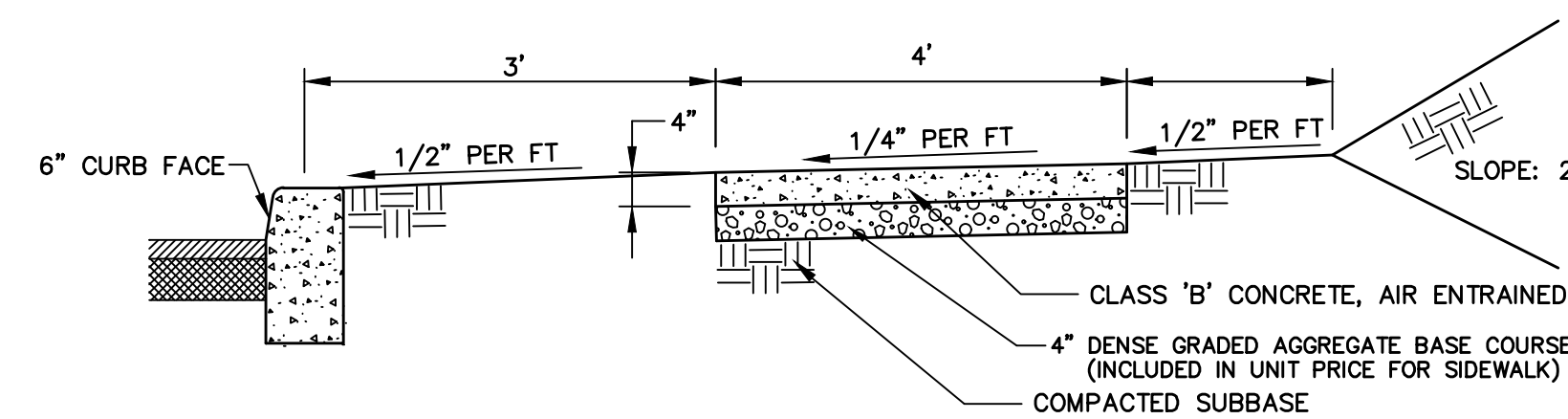
SIDEWALK JOINT PLACEMENT DETAIL
N.T.S.



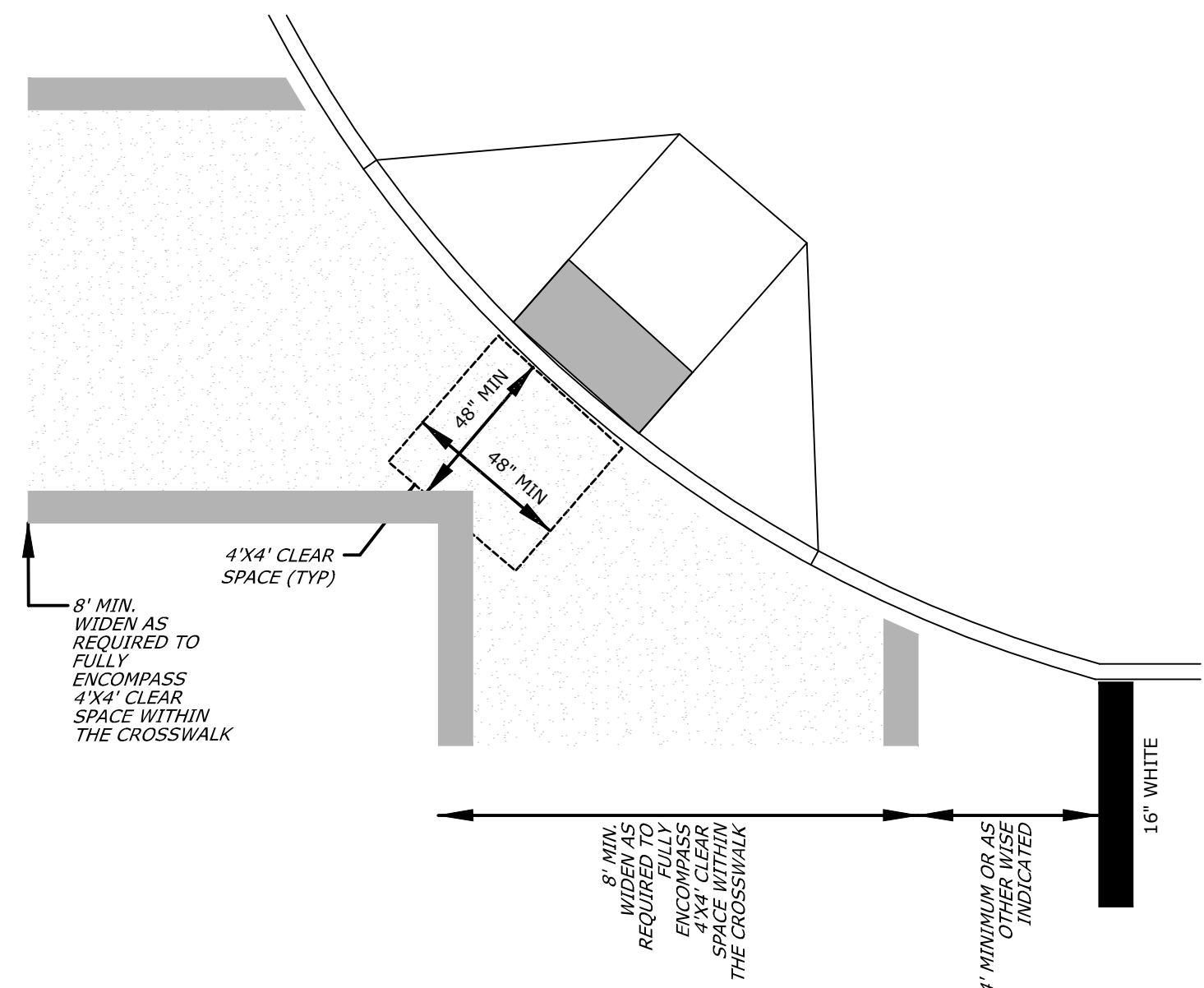
**9" x VARIABLE HEIGHT CONCRETE
VERTICAL CURB DETAIL**
N.T.S.



CONCRETE GUTTER ADJACENT TO CURB
N.T.S.



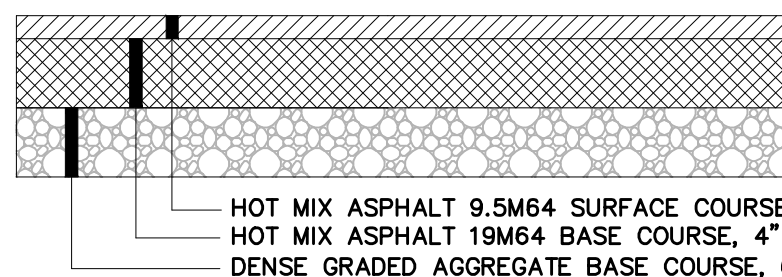
DETAIL OF STANDARD CONCRETE SIDEWALK
N.T.S.



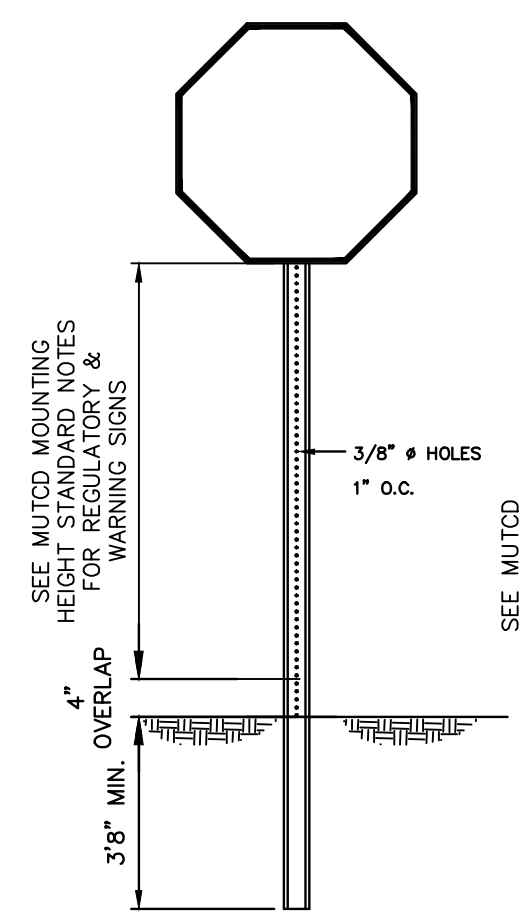
TYPICAL STRIPING AT DIAGONAL RAMPS SERVING TWO CROSSWALKS

NOTES

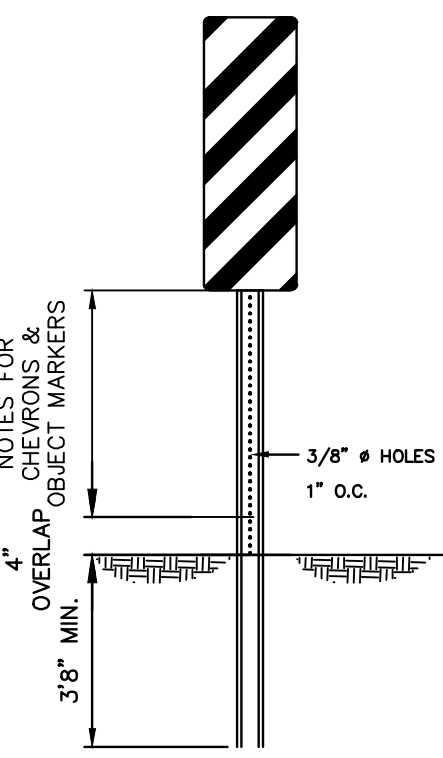
- IN LIEU OF PROVIDING A CONCRETE CRADLE AT FLUSH CURBS SIDEWALK MAY BE POURED MONOLITHICALLY WITH FLUSH CURBS, IF APPROVED BY THE ENGINEER.
- CONCRETE CRADLE TO BE PROVIDED AT LOCATIONS WHERE SIDEWALK IS ADJACENT TO CURB.
- EXPANSION JOINTS SHALL BE FILLED WITH PREFORMED, BITUMINOUS IMPREGNATED FIBER JOINT FILLER; RECESSED 1/4" FROM FACE AND TOP OF CURB.
- EXPANSION JOINTS SHALL BE INSTALLED BETWEEN CURB AND INLET HEADS.
- EXPANSION JOINTS SHALL ALTERNATE WITH CONSTRUCTION JOINTS EVERY 10' (SEE DETAIL ABOVE) ALL JOINTS SHALL EXTEND FULL 18" DEPTH OF CURB.
- EXPANSION JOINTS THROUGH AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.
- CONCRETE FLUSH CURB TO BE CONSTRUCTED AT ALL ADA RAMPS.
- PAYMENT FOR CONCRETE FLUSH CURB AND CONCRETE CRADLE SHALL BE INCLUDED UNDER THE UNIT BID PRICE FOR 9" X VARIABLE HEIGHT CONCRETE VERTICAL CURB.
- PLACE POLYMERIZED JOINT ADHESIVE TO ALL VERTICAL SURFACES PRIOR TO HMA PAVING.
- CONCRETE GUTTER AND CONCRETE ROCKER GUTTER (REINFORCED) PAID UNDER THE ITEM "CONCRETE GUTTER", SQUARE YARD.



**TYPICAL ROAD
PAVEMENT SECTION DETAIL**
N.T.S.



**REGULATORY & WARNING
SIGN MOUNTING HEIGHT
DETAIL**
N.T.S.



**CHEVRON & OBJECT
MARKER SIGN MOUNTING
HEIGHT DETAIL**
N.T.S.

**REGULATORY & WARNING SIGN
MOUNTING HEIGHT DETAIL**
N.T.S.

NOTES:

ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING.

GALVANIZING SHALL CONFORM TO CURRENT ASTM SPEC. A-123. POSTS MAY BE STEEL, ALUMINUM OR 2 PIECE U-POST CONFORMING WITH NOTES BELOW.

SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL AND DIRECTIONAL SIGN DETAILS.

ADJACENT STEEL POSTS SHALL NOT BE CLOSER THAN 8 FT. APART.

NO MORE THAN 3 ALUMINUM OR 3 TWO PIECE STEEL U-POSTS WILL BE PERMITTED WITHIN 8 FT.

BOLTS SHALL NOT PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT, BUT SHALL ENGAGE ALL THREADS IN THE NUT.

ALL TRAFFIC AND PEDESTRIAN SIGNAGE AND LOCATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL CURRENT AMENDMENTS.

NO ADDITIONAL PAYMENT FOR ADDITIONAL U-POST TO PREVENT OVERSIZED SIGNS FROM SWAYING.

MUTCD MOUNTING HEIGHT STANDARD NOTES:

REGULATORY & WARNING SIGN MOUNTING HEIGHT:

- THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB OR IN THE ABSENCE OF CURB, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY, OF SIGNS INSTALLED AT THE SIDE OF THE ROAD IN BUSINESS, COMMERCIAL OR RESIDENTIAL AREAS WHERE PARKING OR PEDESTRIAN MOVEMENTS ARE LIKELY TO OCCUR, OR WHERE THE VIEW OF THE SIGN MOUNT BE OBLSTRUCTED, SHALL BE 7 FEET.
- THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK, OF SIGNS INSTALLED ABOVE SIDEWALKS SHALL BE 7 FEET. IF THE BOTTOM OF A SECONDARY SIGN THAT IS MOUNTED BELOW ANOTHER SIGN IS MOUNTED LOWER THAN 7 FEET ABOVE A PEDESTRIAN SIDEWALK OR PATHWAY, THE SECONDARY SIGN SHALL NOT PROJECT MORE THAN 4 INCHES INTO THE PEDESTRIAN FACILITY.

CHEVRON & OBJECT MARKER SIGN MOUNTING HEIGHT DETAIL:

- CHEVRON ALIGNMENT SIGNS SHALL BE INSTALLED AT A MINIMUM HEIGHT OF 4 FEET, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY.
- OBJECT MARKER SIGNS WHEN USED FOR MARKING OBSTRUCTIONS WITHIN THE ROADWAY OR OBSTRUCTIONS THAT ARE 8 FEET OR LESS FROM THE SHOULDER OR CURB, THE MINIMUM MOUNTING HEIGHT, MEASURED FROM THE BOTTOM OF THE OBJECT MARKER TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY, SHOULD BE 4 FEET.
- WHEN USED TO MARK OBSTRUCTIONS MORE THAN 8 FEET FROM THE SHOULDER OR CURB, THE CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE OBJECT MARKER SHOULD BE AT LEAST 4 FEET.
- OBJECT MARKERS SHOULD NOT PRESENT A VERTICAL OR HORIZONTAL CLEARANCE OBSTACLE FOR PEDESTRIANS.
- POST-MOUNTED SIGN AND OBJECT MARKER SUPPORTS SHALL BE CRASHWORTHY (BREAKAWAY, YIELDING, OR SHIELDED WITH A LONGITUDINAL BARRIER OR CRASH CUSHION) IF WITHIN THE CLEAR ZONE.
- SIGN POSTS, FOUNDATIONS, AND MOUNTINGS SHALL BE SO CONSTRUCTED AS TO HOLD SIGNS IN A PROPER AND PERMANENT POSITION, AND TO RESIST SWAYING IN THE WIND OR DISPLACEMENT BY VANDALISM.

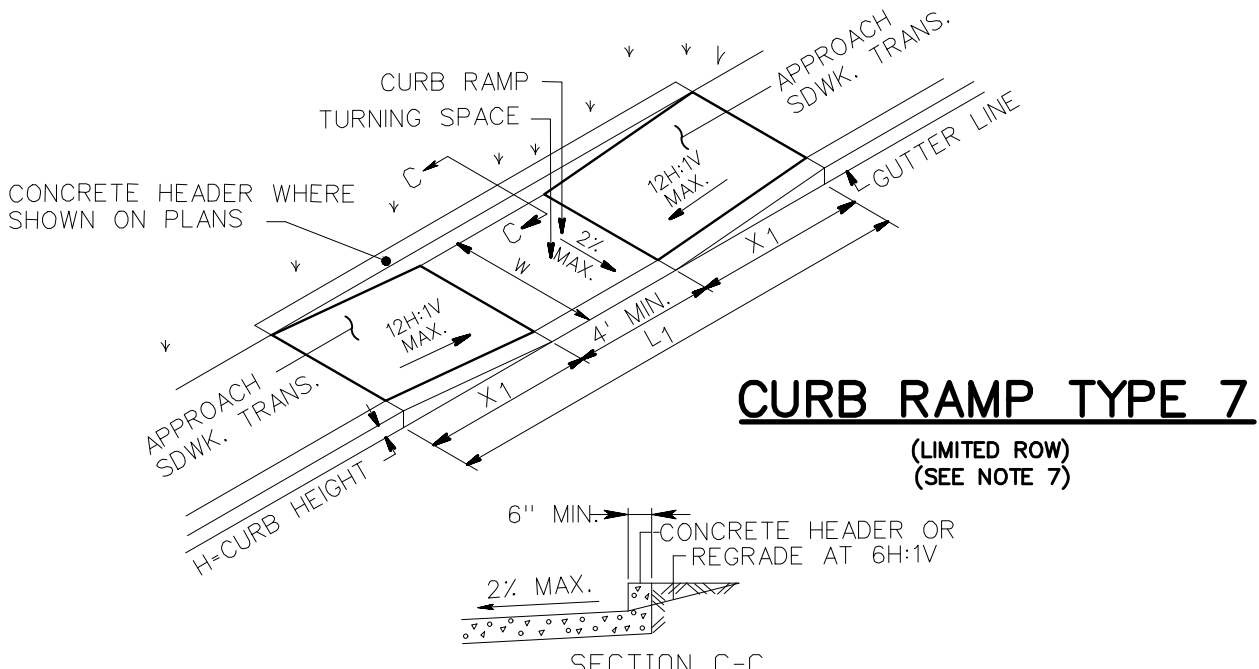
TYPICAL STRIPING FOR CROSSWALKS ZONE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE
IMPROVEMENTS
CITY OF BRIGANTINE

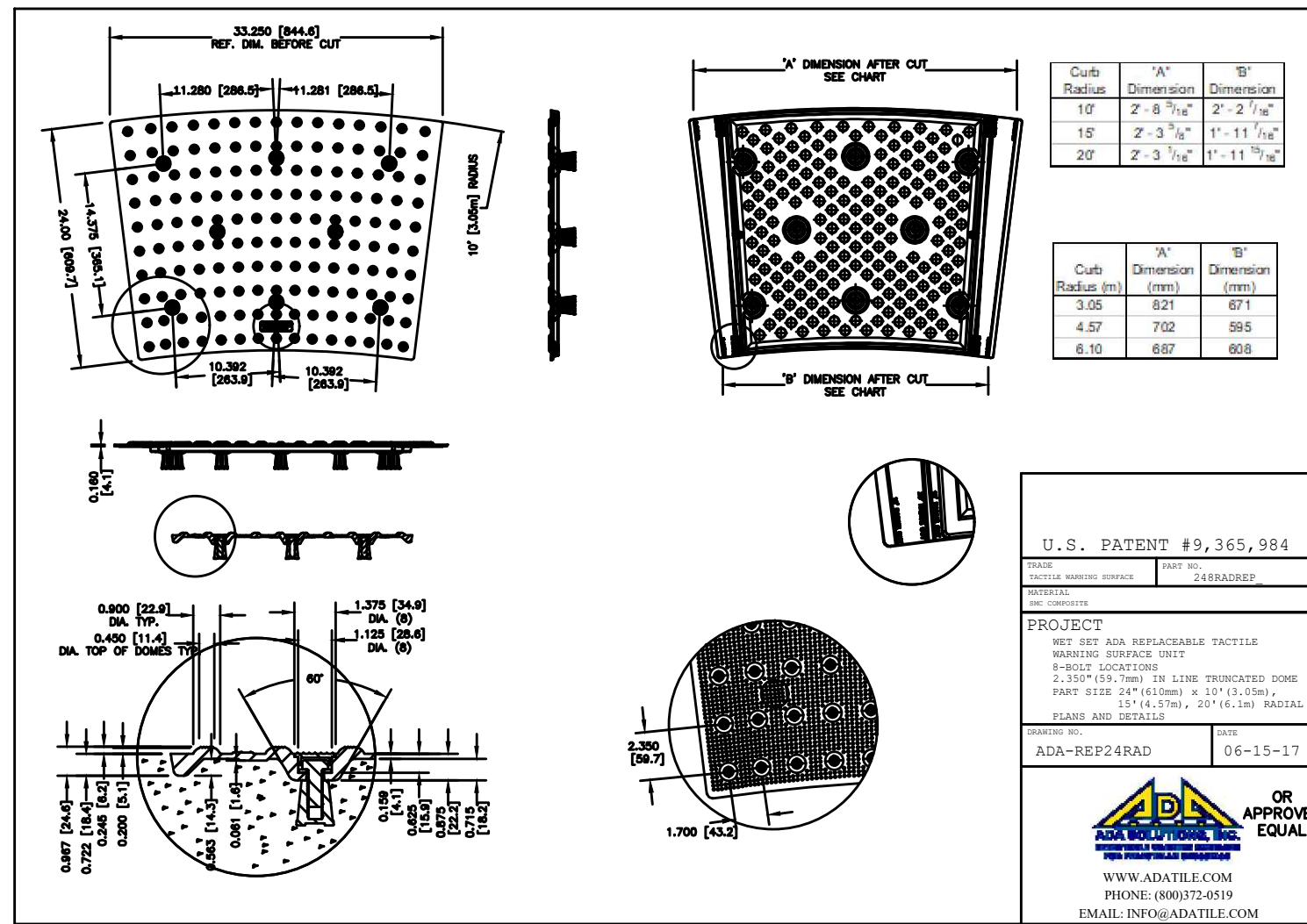
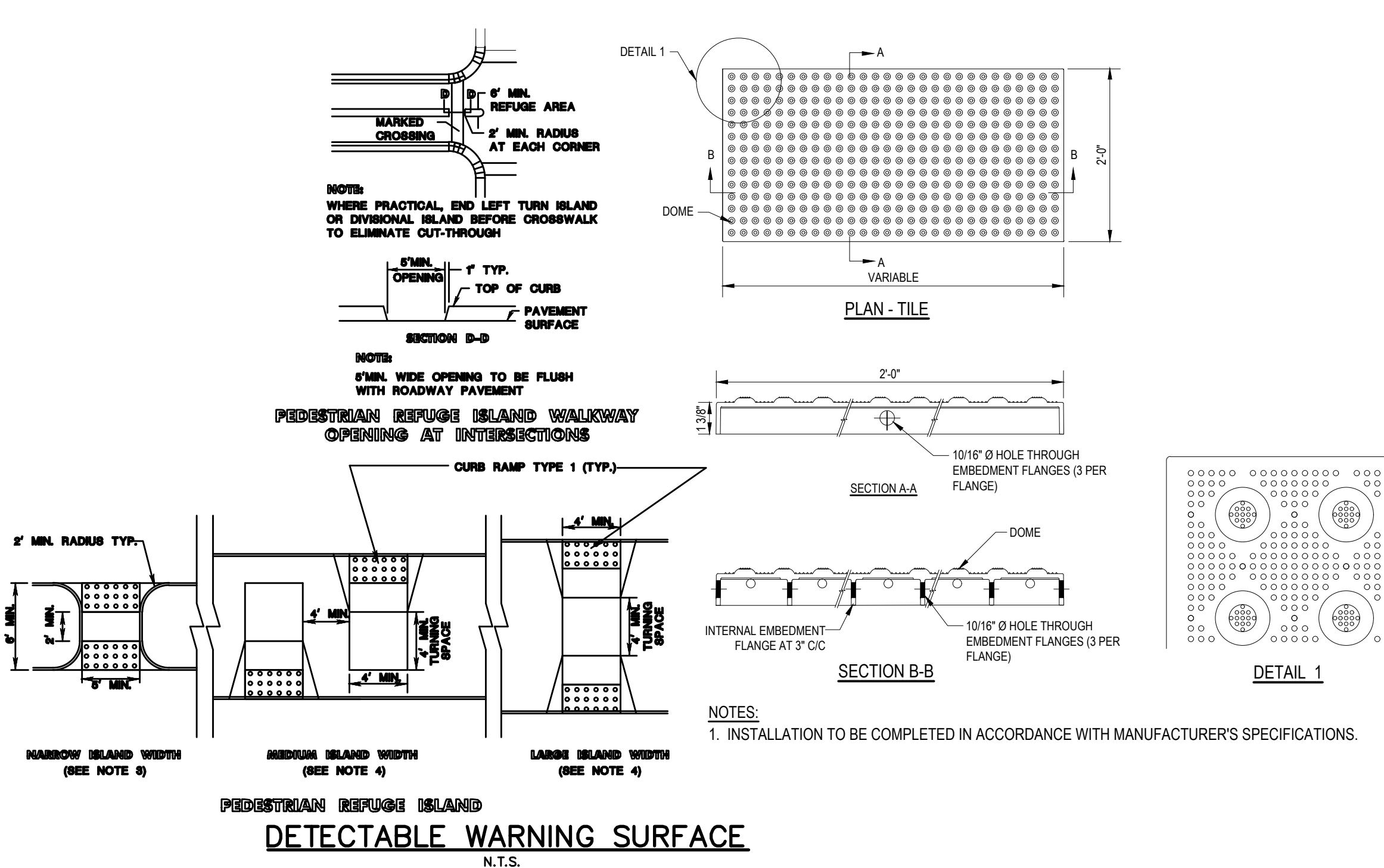
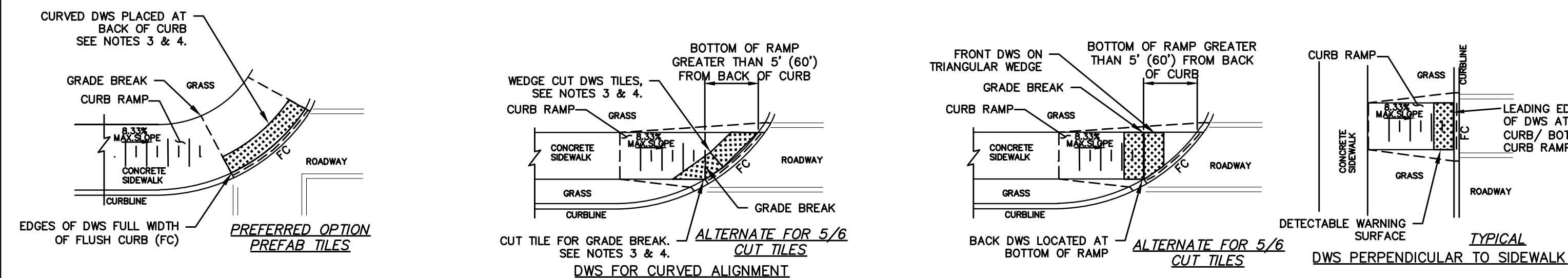
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- ## LAYOUT NOTES

1. IN THE LAYOUT OF CURB RAMP ALTERATIONS, IT IS THE INTENTION THAT:
 - A. THE NOTES AND DETAILS HEREIN ARE TO SUPPLEMENT THE NDOT STANDARD DETAILS AND NOTES.
 - B. HORIZONTAL LOCATION OF CURB RETURN TO REMAIN AS CLOSE TO EXISTING LOCATION AS FEASIBLE.
 - C. THE MAXIMUM CURB HEIGHT AROUND THE CURB RETURN IS 4" HIGH UNLESS OTHERWISE PROVIDED.
 - D. CURB REPLACEMENT TO EXTEND TO NEAREST JOINT.
 - E. SIDEWALK IMPROVEMENTS TO EXTEND TO NEAREST JOINT. IF IT IS A CONSTRUCTION JOINT, THEN THE SIDEWALK SHOULD BE SAWCUT ALONG THE JOINT LINE.
2. FOR NEW CONSTRUCTION AND ALTERATIONS, DO NOT EXCEED 1:50 (2%) CROSS SLOPE ON THE CURB RAMP, LANDING, OR PEDESTAL ROUTE. RUNNING SLOPE IS NOT TO EXCEED 1:12 (8.3%) ANY WHERE ALONG THE ACCESSIBLE ROUTE, EXCEPT AS APPROVED BY THE RE.
3. 4'x4' LEVEL LANDINGS (AKA TURNING SPACE) ARE TO BE PROVIDED WHEREEVER TURNING MOVEMENTS WOULD BE MADE BY WHEELCHAIRS. LANDINGS CANNOT EXCEED 1:50 (2%) IN BOTH DIRECTIONS. IF THE LANDING IS CONSTRAINED BY CURB OR WALLS ON MORE THAN ONE SIDE, THE WIDTH OF THE LANDING IN THE DIRECTION OF THE CROSSWALK WILL BE 5 FEET.
4. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. ON THE PLANS SHOW THE MAXIMUM SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED ON THE PLANS WILL NOT BE RECONSTRUCTED. TO AVOID CHASING GRADE INDEFINITELY ON ALTERATION WORK, A MAXIMUM REPLACEMENT LENGTH OF 15' FROM THE EXISTING RAMP IS PERMITTED BY THE RE. THE RE TO ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT POSSIBLE. THE RE MUST DOCUMENT THE RAMP BEING TECHNICALLY INFEASIBLE ON THE PROPER FORMS.
5. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC COUNTER SLOPE OF THE GUTTER OF THE ROAD IS NOT TO EXCEED 5%.
6. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSS WALK, THE RAMP (EXCLUDING THE FLARES) IS TO ALIGN FULLY INSIDE OF THE MARKINGS. CURB RAMPS SHALL HAVE A MINIMUM 4' X 4' CLEAR SPACE AT THE BOTTOM OF THE RAMP THAT IS WITHIN THE CROSSWALK. THE CLEAR SPACE SHALL BE WHOLLY OUTSIDE OF THE TRAVEL LANES OF THE ROADWAYS.
7. THE RE WILL BE MADE AWARE OF ANY CASES WHERE THESE REQUIREMENTS CANNOT BE MET PRIOR TO PAVING OF THE CURB RAMP. THE RE MUST PROCEED WITHOUT NOTICE TO THE RE, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF RECONSTRUCTING THE RAMP.
8. RAMPS AT THE MIDDLE OF CURB RETURNS ARE NOT PREFERRED AS THEY DIRECT PEDESTRIANS INTO THE INTERSECTION. THIS TYPE OF RAMP SHALL BE REPLACED IN-KIND, IF FIRST APPROVED, BY THE RE.

1. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL ACROSS THE FULL WIDTH OF THE CURB RAMP; ROADWAY EDGE OF DWS TO BE AT THE BACK OF CURB OR UPTO 5" MAXIMUM FROM THE GUTTER LINE OF THE ROADWAY.
2. PROVIDE DETECTABLE WARNING SURFACES (DWS) THAT CONTRASTS WITH THE PAVED SURFACE COLOR, LIGHT ON DARK OR DARK ON LIGHT.
3. DETECTABLE WARNING ALIGNMENT CAN USE PREFABRICATED CURVED TILES OR TILES CAN BE CUT, WEDGES TO BE CUT FROM SIDES OF TILES SO THAT THEY CAN SMOOTHLY BE JOINED TO FORM A CURVE WHERE THE FACE OF TILE DOES NOT EXCEED 2" FROM THE BACK OF CURB.
4. DWS SHALL BE CAST-IN-PLACE.
5. DETECTABLE WARNING SURFACE (DWS) MUST BE PROVIDED FOR THE FULL WIDTH OF THE FLUSH CURB AT THE ROADWAY CROSSING, WITH THE DWS DEPTH OF 2" MINIMUM.
6. MINIMUM FLUSH CURB WIDTHS AND DWS WIDTHS SHALL BE 4' AT ROADWAY CROSSINGS.
7. AT ITS REFUGES, CROSSING, SIDEWALK OPENING AT INTERSECTIONS MINIMUM FLUSH CURB WIDTHS AND DWS WIDTHS SHALL BE 5' THROUGHOUT.




WHERE INDICATED ON PLANS OR DIRECTED IN THE FIELD THE CONTRACTOR SHALL PROVIDE CAST-IN-PLACE RADIUS DETECTABLE WARNING SURFACES AS MANUFACTURED BY ADA SOLUTIONS, INC. OR APPROVED EQUAL.

CONSTRUCTION DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE IMPROVEMENTS CITY OF BRIGANTINE

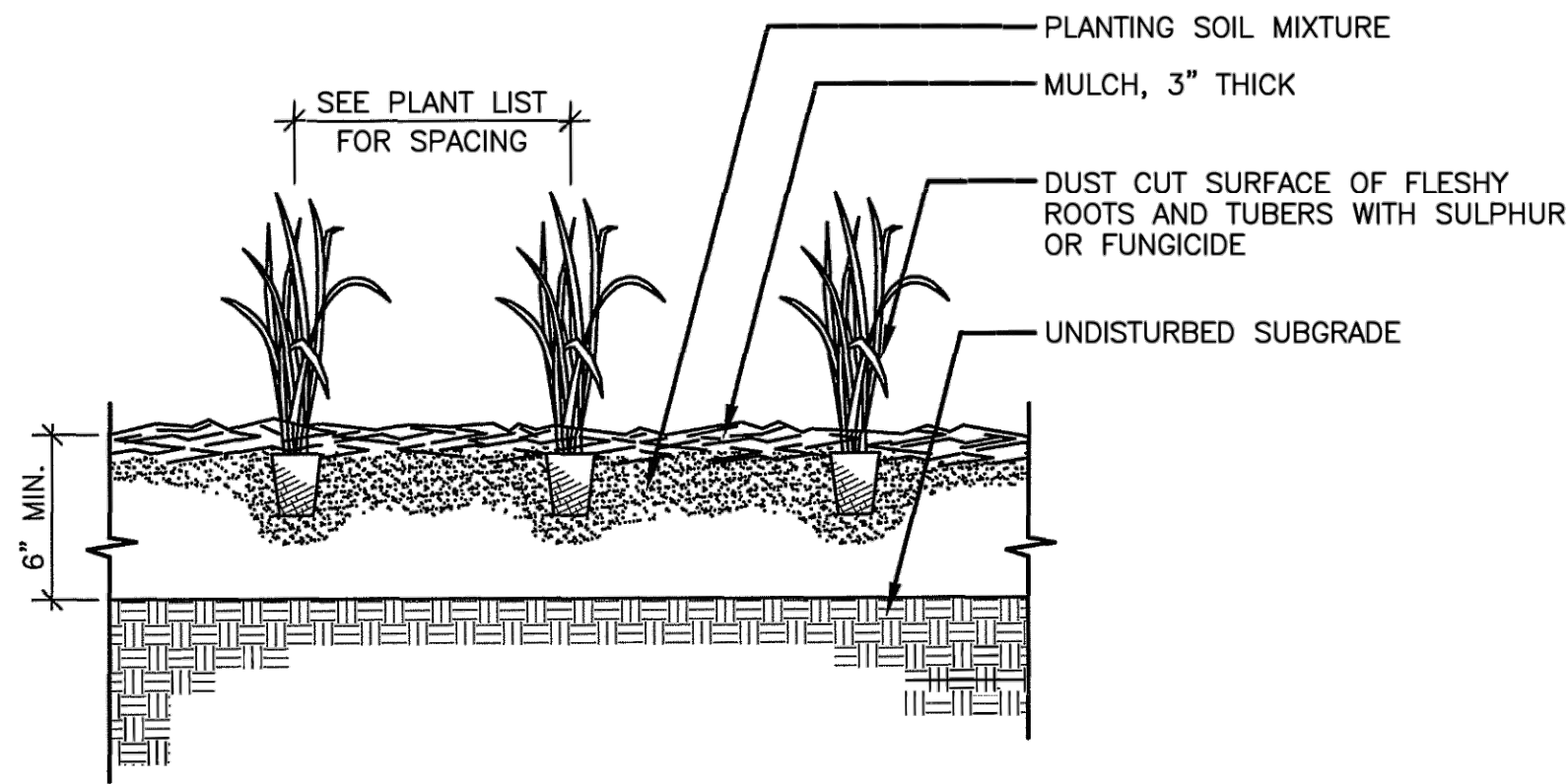
GREENMAN-PEDERSEN, INC.

CERTIFICATION OF AUTHORIZATION NO. 24GA27959500

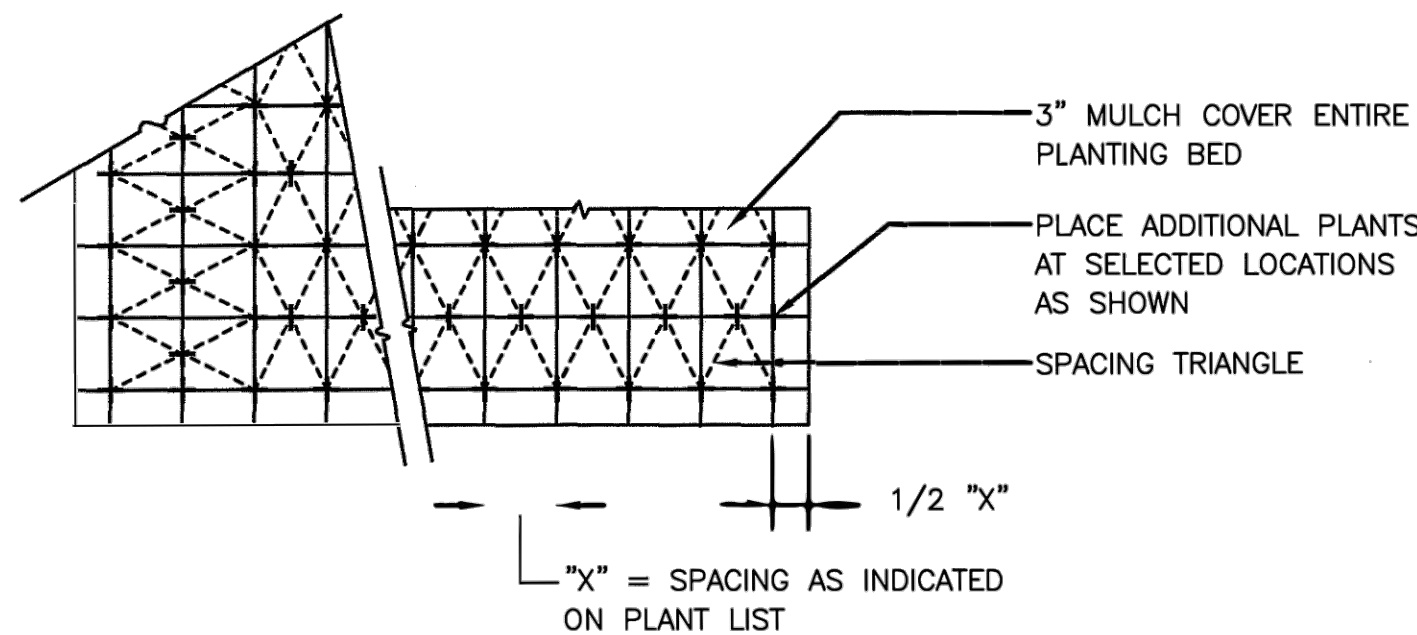


BRIAN W. MAUSERT

NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE04647900



PERENNIAL PLANTING DETAIL
N.T.S.

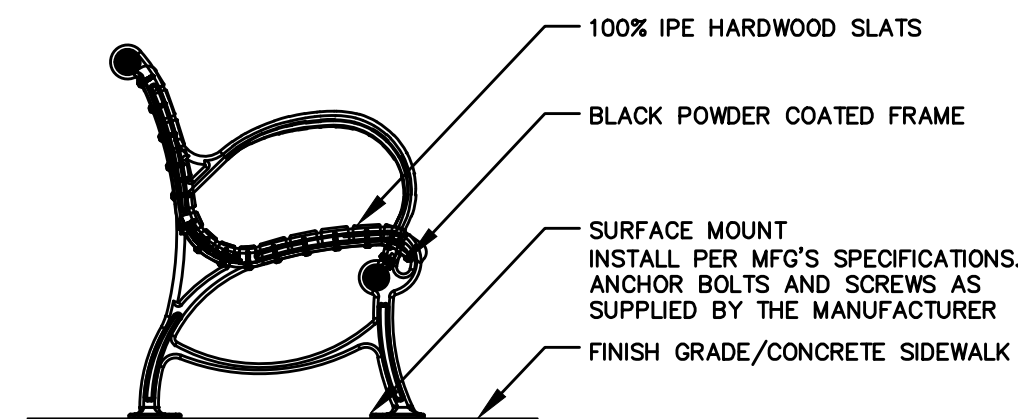


PERENNIAL PLANTING DETAIL
N.T.S.

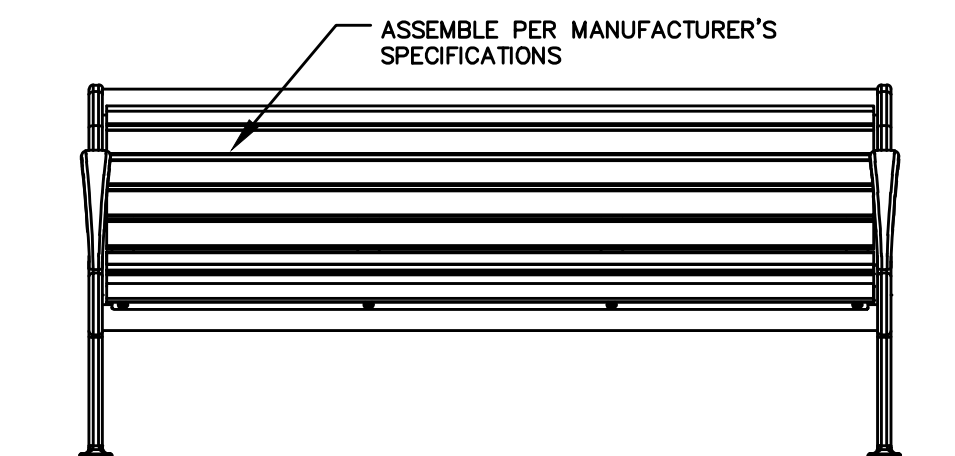
PLANT LIST

QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE*	REMARKS
TREES					
10	LN	Lagerstroemia x 'Natchez'	Natachz Crepe Myrtle	3-3.5" cal., B&B, full	Specimen
9	SJ	Sophora japonica 'Regent'	Japanese Scholar Tree	3-3.5" cal., B&B, full	Specimen
14	ZSGV	Zelkova serrata 'Green Vase'	'Green Vase' Zelkova	3-3.5" cal., B&B, full	Specimen
PERENNIALS / GROUNDCOVERS					
720	LM	Liriope muscari 'Big Blue'	Bib Blue Lily Turf	#1 can	12" O.C. Spacing
240	PH	Pennisetum alopecuroides 'Hamel'	Dwarf Fountain Grass	#1 can	18" O.C. Spacing

* SIZE SHOWN INDICATES SIZE OF PLANT AT TIME OF INSTALLATION.



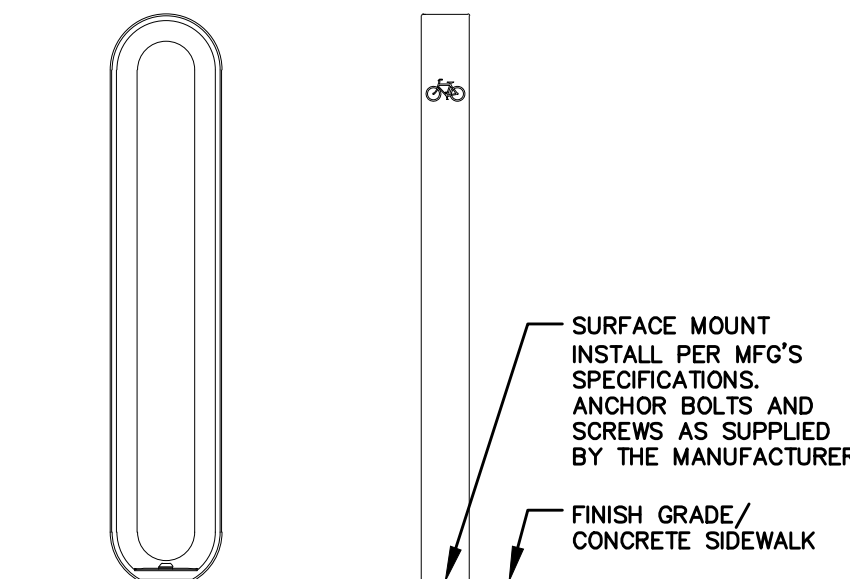
SIDE VIEW



FRONT VIEW

NOTES:
1. MANUFACTURER: DuMor, INC.
2. MODEL: BENCH 447
3. FINISH: BLACK POWDER COAT
4. INSTALLATION: SURFACE MOUNT
5. OR APPROVED EQUAL
6. ALL ACCESSORIES REQUIRED PAID FOR BY "BENCH" PAY ITEM

BENCH DETAIL
N.T.S.



FRONT VIEW

SIDE VIEW

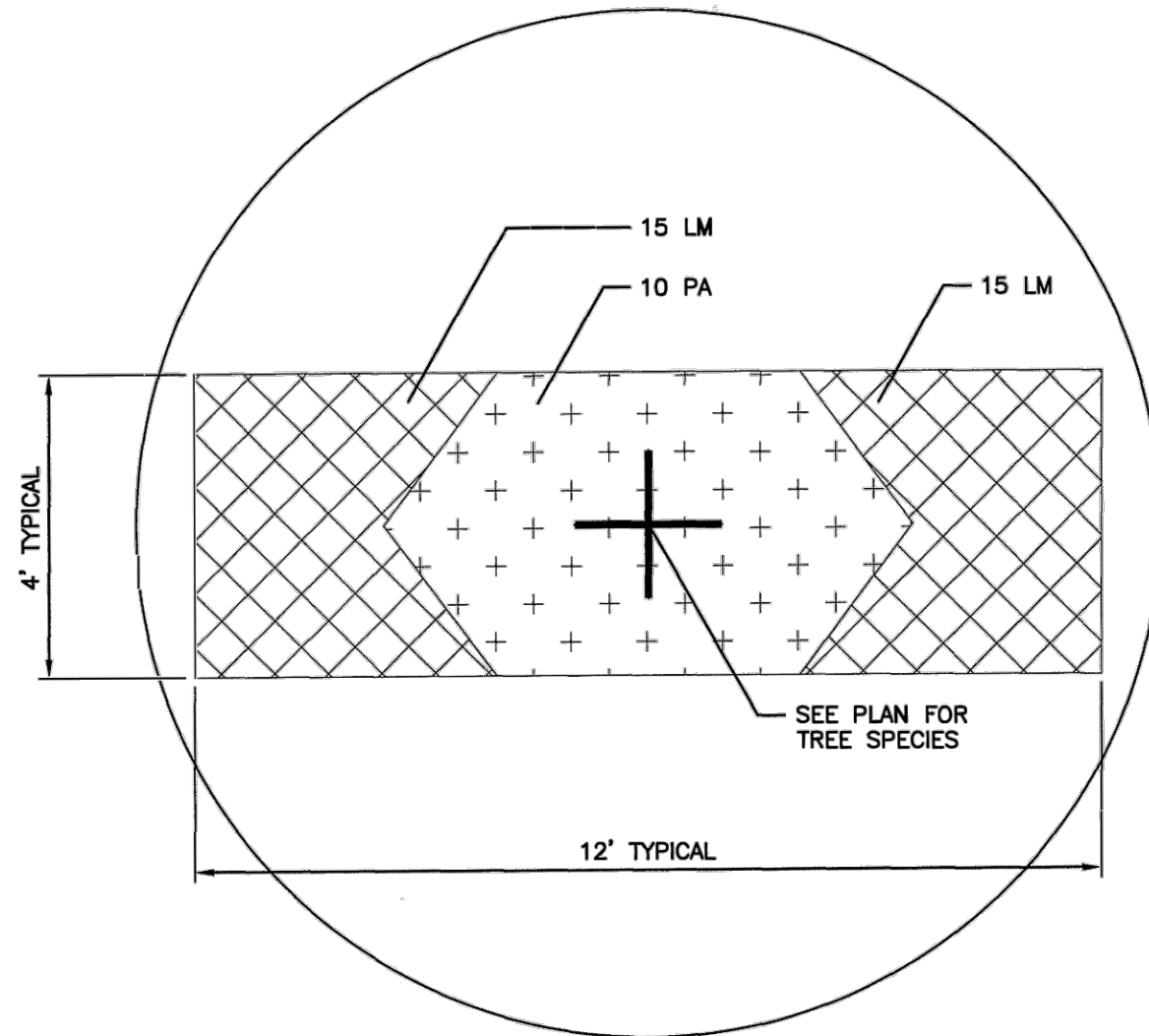
NOTES:
1. MANUFACTURER: FORMS+SURFACES
2. MODEL: OLYMPIA
3. FINISH: BLACK POWDER COAT
4. INSTALLATION: SURFACE MOUNT
5. OR APPROVED EQUAL
6. ALL ACCESSORIES REQUIRED PAID FOR BY "BIKE RACK" PAY ITEM

BIKE RACK DETAIL
N.T.S.

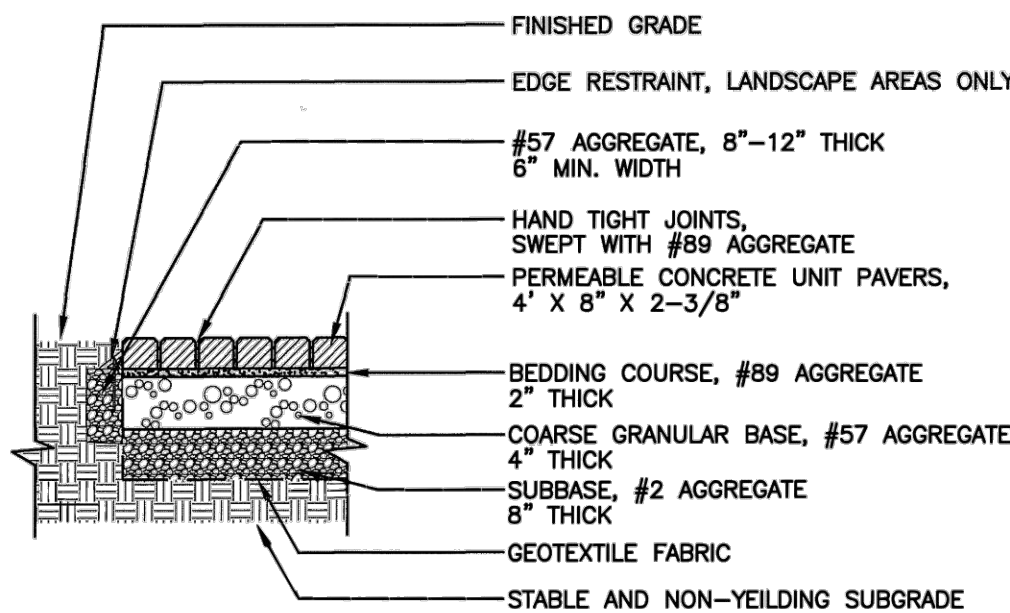


TRASH/RECYCLE ENCLOSURE DETAIL
N.T.S.

NOTES:
1. MANUFACTURER: NEX-TERRA
2. MODEL: BERKELY - DOUBLE SIDE LOAD
3. ROOF STYLE: REVERSE VAIL
4. INSTALLATION: SURFACE MOUNT
5. OR APPROVED EQUAL
6. ALL ACCESSORIES REQUIRED PAID FOR BY "TRASH RECEPTACLE" PAY ITEM



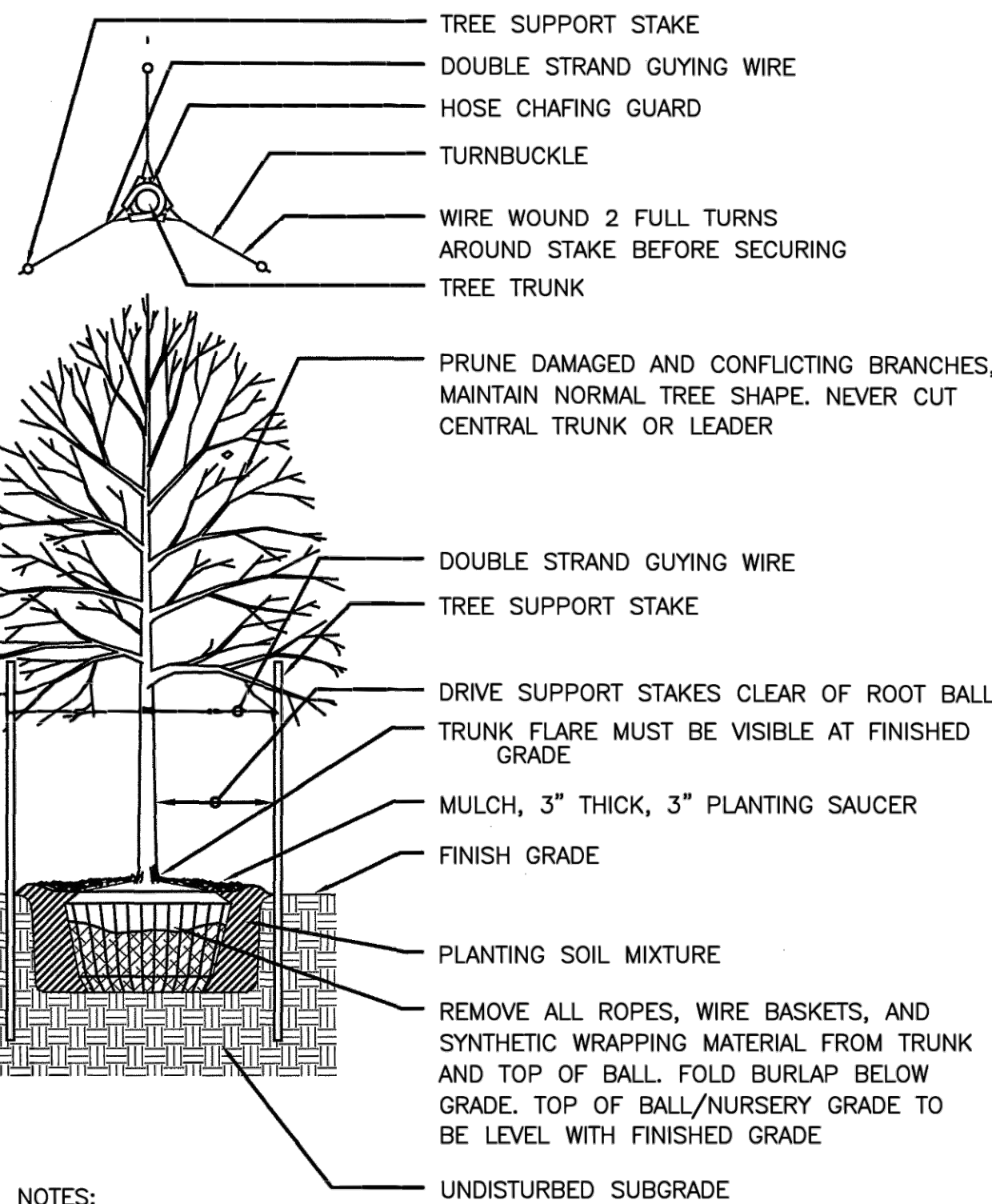
SIDEWALK PLANTER DETAIL
N.T.S.



PAVER DETAIL
N.T.S.

PLANTING NOTES AND SPECIFICATIONS

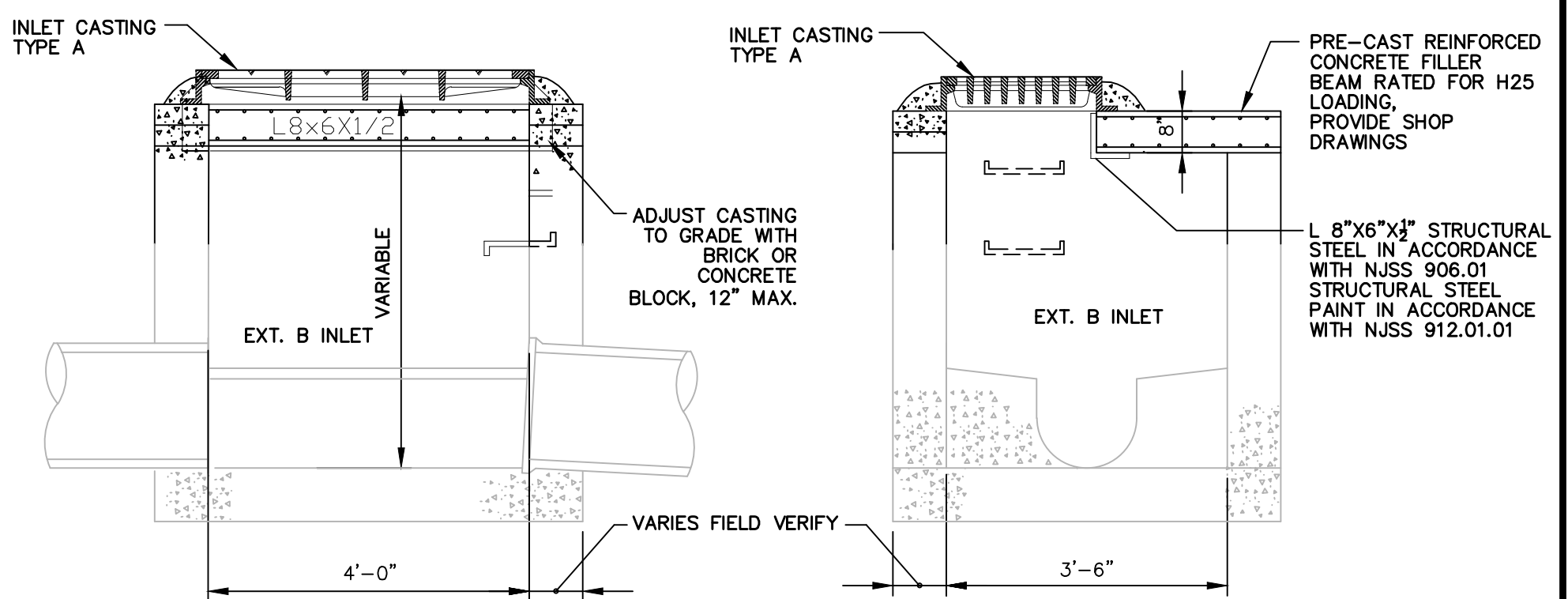
1. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS SHOWN ON THE DRAWINGS, AS SPECIFIED, AND IN QUANTITIES INDICATED ON THE PLAN.
2. ALL PLANTS SHALL BE NURSERY GROWN.
3. ALL PLANTS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
4. ALL PLANTS SHALL BE HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT.
5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE AND INSECT PESTS, EGGS, AND LARVAE. THEY SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS.
6. SUBSTITUTIONS: WHEN PLANTS OF A SPECIFIED KIND OR SIZE ARE NOT AVAILABLE WITHIN A REASONABLE DISTANCE, SUBSTITUTIONS MAY BE MADE UPON REQUEST BY THE CONTRACTOR, IF APPROVED BY THE LANDSCAPE ARCHITECT.
7. MEASUREMENT: DIMENSIONS OF TREES AND SHRUBS SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
8. SIZE: ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED ON THE PLANT LIST, UNLESS AUTHORIZED IN WRITING BY THE LANDSCAPE ARCHITECT.
9. BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH, OF DIAMETER AND DEPTH TO INCLUDE MOST OF THE FIBROUS ROOTS. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL TOGETHER FIRM AND WHOLE. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
10. ROOT BALLS OF ALL PLANTS SHALL BE ADEQUATELY PROTECTED AT ALL TIMES FROM SUN AND DRYING WINDS OR FROST.
11. LANDSCAPE ARCHITECT SHALL BE NOTIFIED ONE WEEK PRIOR TO BEGINNING PLANTING OPERATIONS.
12. PLANTS WITH BROKEN ROOT BALLS OR EXCESSIVE DAMAGE TO THE CROWN SHALL BE REJECTED AND BE REPLACED PRIOR TO PLANTING.
13. ALL TREE WRAP SHALL BE REMOVED IMMEDIATELY AFTER TREES ARE PLANTED.
14. EACH TREE OR SHRUB SHALL BE PRUNED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL DEAD WOOD OR SUCKERS AND ALL BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED.
15. MULCH: IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED, ALL TREE AND SHRUB PLANTING PITS SHALL BE COVERED WITH A 3" (THREE INCH) LAYER OF SHREDDED HARDWOOD BARK MULCH OR OTHER MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT.
16. ALL EVERGREENS AND TREES IN LEAF WHEN PLANTED SHALL BE TREATED WITH ANTI-DESICCANT SUCH AS "WILT-PROOF".
17. PLANTING SOIL AND BACKFILL MIX SHALL CONSIST OF TOP SOIL AND ECOSOIL AMENDMENT MIXTURES.
18. TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REGRADED SURFACES SO AS TO PROVIDE AT LEAST SIX (6") INCHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING OR PLANTING.
19. GUARANTEE: ALL PLANT MATERIAL SHALL BE GUARANTEED AND MAINTAINED BY THE CONTRACTOR FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MONITOR THE PROJECT DURING THE GUARANTEE PERIOD AND NOTIFY THE OWNER IF PROBLEMS DEVELOP WITH THE PLANT MATERIAL. ANY MATERIAL THAT IS 25% DEAD, OR MORE, SHALL BE CONSIDERED DEAD AND MUST BE REPLACED AT NO CHARGE. A TREE SHALL BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK, OR WHEN 25% OF THE CROWN IS DEAD. ALL PLANT MATERIAL NOT SURVIVING FOR A PERIOD OF ONE (1) YEAR SHALL BE REPLACED WITH THE SAME OR EQUIVALENT SIZE SPECIES.
20. ALL PLANTING SHALL BE AT THE LOCATIONS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADES, ALIGNMENT, AND TO THE INDICATED LAYOUT OF THE PLANTING BEDS. MINOR ADJUSTMENTS TO PLANTING LOCATIONS MAY BE NECESSARY DUE TO FIELD CONDITIONS AND FINAL GRADING. THE CONTRACTOR SHALL NOTIFY THE OWNER IF MAJOR ADJUSTMENTS ARE REQUIRED.
21. CONTRACTOR SHALL PROVIDE IRRIGATION AT LEAST ONCE WEEKLY FOR ALL PLANTINGS FOR NO LESS THAN 3 MONTHS DURING THE FIRST GROWING SEASON.
22. CONTRACTOR SHALL PROVIDE WATER BAGS FOR ALL NEW TREES AND FILL BAGS ONCE WEEKLY FROM APRIL TO OCTOBER OF THE FIRST GROWING SEASON.
23. LAYOUT OF PLANTING: THE CONTRACTOR SHALL LAYOUT WITH IDENTIFIABLE STAKES THE LOCATION OF ALL PLANTS, ARRANGEMENT AND OUTLINES OF PLANTING BEDS AS INDICATED ON THE DRAWING. THE LAYOUT OF PLANTING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY EXCAVATION OF PLANT PITS OR PLANT BEDS. LANDSCAPE ARCHITECT SHALL BE ON SITE DURING PLANTING OPERATIONS.
24. CONDITIONS DETRIMENTAL TO PLANTS: THE CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE IN WRITING OF ALL SOIL OR DRAINAGE CONDITIONS WHICH THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF PLANTS. HE SHALL STATE THE CONDITIONS AND SUBMIT A PROPOSAL FOR CORRECTING THE CONDITIONS, INCLUDING ANY CHANGE IN COST, FOR REVIEW AND ACCEPTANCE BY THE OWNER OR HIS REPRESENTATIVE.
25. ALL PLANTS TO BE SELECTED AND TAGGED IN THE FIELD BY THE LANDSCAPE ARCHITECT.



NOTES:

1. HEIGHT OF GUYING WIRES BETWEEN 1/3 AND 1/2 TREE HEIGHT

DECIDUOUS TREE PLANTING DETAIL
N.T.S.



RECONSTRUCTED INLET, TYPE B,
CONVERT TO INLET TYPE A
N.T.S.

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

LIGHTHOUSE DISTRICT STREETSCAPE
IMPROVEMENTS
CITY OF BRIGANTINE

GREENMAN-PEDERSEN, INC.
CERTIFICATION OF AUTHORIZATION NO. 24GA27959500
BRIAN W. MAUSERT
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE04647900