



Gainesville Community Redevelopment Agency

NW 3rd Avenue Sidewalk Construction Plans

ALACHUA COUNTY, FLORIDA

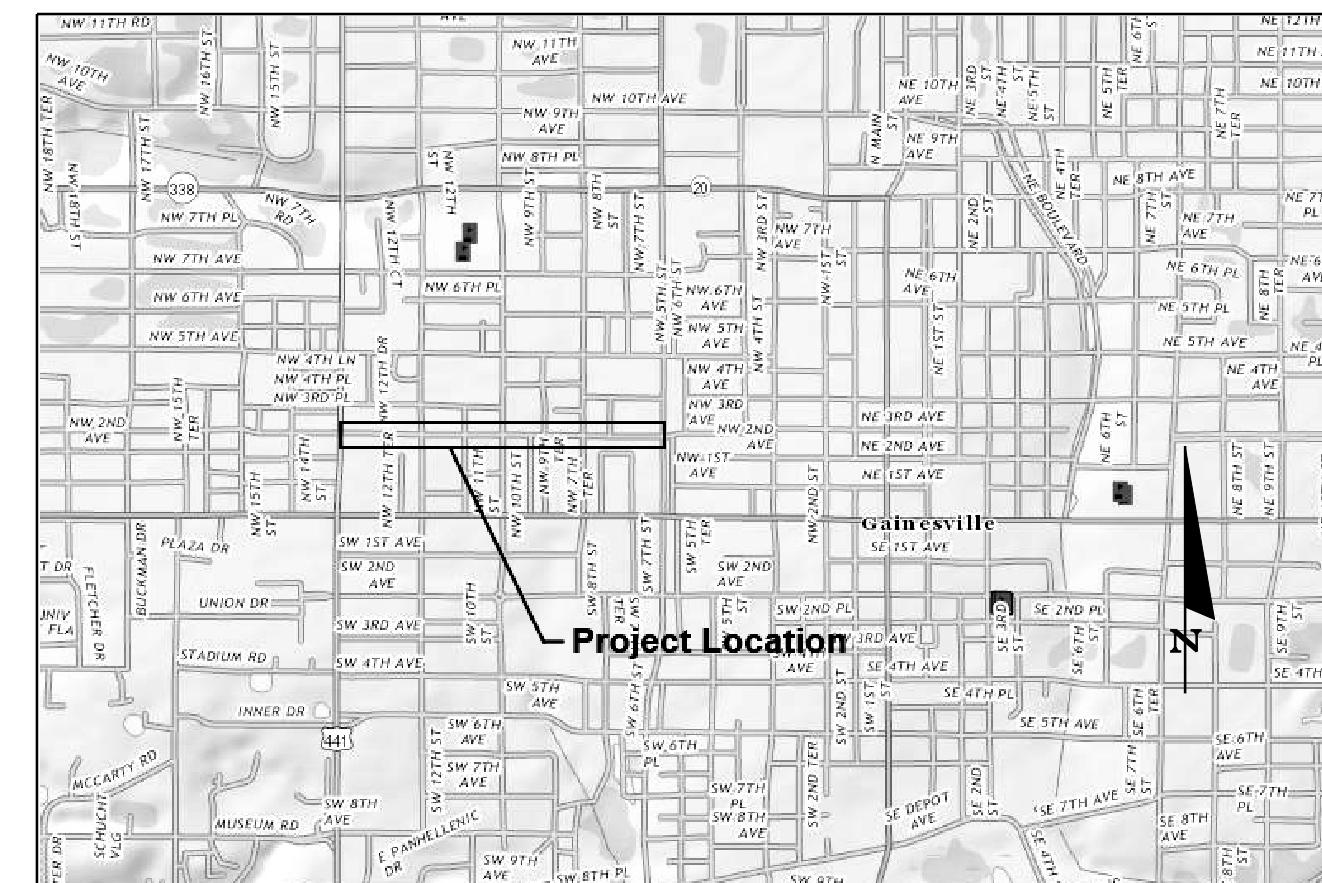
PLAN PREPARED BY:

MCH Engineering

15 SE 8th Street, Gainesville FL 32601, Ph (352) 359-6527
Certificate of Authorization No. 29605

PLAN INDEX

SHEET NO.	DESCRIPTION
1	KEY SHEET
2.1-2.2	GENERAL NOTES, LAYOUT AND LEGEND
3.1-3.2	TYPICAL SECTIONS
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6.1-6.3	CROSS SECTIONS
7	STORMWATER POLLUTION PREVENTION PLAN
102-17346	REFERENCED FDOT DESIGN STANDARDS



LOCATION MAP

SCALE: N.T.S.

CERTIFICATE OF AUTHORIZATION #29605
APPROVED BY:

PROJECT. NO.			
2014.01			
DATE:			
1-8-15	NO.	DATE	BY

REVISION DESCRIPTION

MATTHEW C. HERRMANN
P.E. # 57146

1. TOPOGRAPHIC SURVEY DATED MARCH 18, 2014 PROVIDED BY DEGROVE SURVEYORS, INC., (352) 338-9667.

2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (1988) AND ARE BASED ON NATIONAL GEODEDIC SURVEY BENCHMARK "P 350" (PID #AR1390) HAVING A PUBLISHED ELEVATION = 169.66' (NAVD 88).

3. FLORIDA STATE PLANE NORTH ZONE COORDINATE SYSTEM, NORTH AMERICAN DATUM (1983).

4. ALL STATIONING AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION BASELINE.

5. NAIL AND DISCS AND MONUMENTS WERE INSTALLED, AS SHOWN ON THE DRAWINGS, TO PROVIDE HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PROVIDED SURVEY INFORMATION TO HIS/HER SATISFACTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF CONSTRUCTED FACILITIES, PIPELINES, AND FINISHED GRADE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESTORING PROPERTY CORNERS AND LAND MARKS WHICH MAY BE DISTURBED BY CONSTRUCTION. ALL STAKING SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.

6. CONTRACTOR SHALL RETAIN ON THE WORK SITE COPIES OF ANY PERMITS REQUIRED FOR CONSTRUCTION.

7. ALTHOUGH MEASUREMENTS MAY BE SHOWN ON THE DRAWINGS, CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

8. CONTRACTOR SHALL PROVIDE A "AS-BUILT" SURVEY FOR MODIFICATIONS MADE DURING CONSTRUCTION.

9. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING WORK.

10. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED IMPROVEMENTS TO AVOID OBSTACLES, AS REQUIRED. CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE REQUIRED DEVIATION AS APPROVED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

11. NO DISTURBANCE SHALL BE ALLOWED OUTSIDE OF THE ROADWAY RIGHT-OF-WAYS OR TEMPORARY CONSTRUCTION EASEMENTS UNLESS APPROVED BY THE ENGINEER, OR SPECIFICALLY NOTED ON THE PLANS.

12. ALL REFERENCED FDOT STANDARD INDEX DRAWINGS CAN BE FOUND AT WWW.DOT.STATE.FL.US/RDDESIGN/DESIGNSTANDARDS/STANDARDS.SHTM

13. FDOT INDICES SHALL REFER TO THE MOST CURRENT "FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS."

14. ALL WORK AND THE QUALITY OF MATERIALS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE MOST CURRENT "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE LATEST EDITION OF "GAINESVILLE REGIONAL UTILITIES CONSTRUCTION STANDARDS."

15. IT IS THE RESPONSIBILITY OF CONTRACTOR TO BECOME FAMILIAR WITH OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM AS COVERED UNDER THE FLORIDA TRENCH SAFETY ACT (LAWS OF FLORIDA 90-96) EFFECTIVE OCTOBER 1, 1980.

16. ALL EXISTING STORMWATER DRAINAGE PATTERNS AND CHANNELS ARE TO BE MAINTAINED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE WORK APPEARS TO INTERRUPT AN EXISTING STORMWATER DRAINAGE PATTERNS. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE PATTERNS. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE WHATEVER MEANS NECESSARY TO MANAGE STORMWATER SUCH THAT THE IMPACT TO CONSTRUCTION AND/OR SURROUNDING FACILITIES IS MINIMIZED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION, SEDIMENT TRANSPORT, DISTURBED FOUNDATIONS, IMPACT TO STRUCTURES, AND ANY OTHER DAMAGE CAUSED DURING CONSTRUCTION.

17. CONTRACTOR SHALL PREVENT THE DISCHARGE OF SEDIMENT INTO DRAINAGE DITCHES AND STRUCTURES DUE TO CONSTRUCTION OPERATIONS. APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED WITH BEST MANAGEMENT PRACTICES TO PREVENT DISCHARGE OF SEDIMENT INTO A DRY OR WET WATERCOURSE. EROSION CONTROL SHALL CONSIST OF ANCHORED HAY BALES, MULCH AND NETTING, FILTER CLOTH BARRIERS OR OTHER EROSION CONTROL METHODS APPROVED BY THE ENGINEER OR CITY REPRESENTATIVE. SILT FENCE SHALL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS SECTION 104.

18. CONTRACTOR SHALL COMPLY WITH THE TURBIDITY CONTROL REQUIREMENTS OF THE SJRWMD, WHICH AT A MINIMUM MAY INCLUDE USING TURBIDITY CURTAINS. THE CONTRACTOR SHALL PREVENT INCREASES IN TURBIDITY IN EXCESS OF WATER QUALITY STANDARDS.

19. DRAINAGE STRUCTURES AND CULVERTS SHALL REMAIN FREE OF SEDIMENTATION AT ALL TIMES DURING CONSTRUCTION.

20. EXISTING DRAINAGE STRUCTURES AND CULVERTS WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.

21. ALL AREAS INSIDE AND OUTSIDE THE PROJECT LIMITS, WHICH ARE DISTURBED AS A RESULT OF THE PROJECT CONSTRUCTION, SHALL BE RESTORED TO ORIGINAL OR DESIGN GRADE AS APPLICABLE, AND SODDED AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH, PIPING, GRASSING, DITCHING, FENCES, SIGNS AND OTHER IMPROVEMENTS WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION, AS A RESULT OF CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

22. CONTRACTOR SHALL COMPLETELY SOD ALL DISTURBED AREAS. SOD VARIETY SHALL MATCH ADJACENT UNDISTURBED AREAS AND BE CERTIFIED WEED-FREE. ALL SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED. CONTRACTOR SHALL FERTILIZE AND THOROUGHLY WATER ALL SOD AT TIME OF PLANTING AND AS NECESSARY UNTIL MATERIAL IS ESTABLISHED.

23. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS AND REMOVE ALL UNSATISFACTORY MATERIAL IN ACCORDANCE WITH FDOT STD INDEX 500. UNSUITABLE MATERIAL FROM WITHIN THE PROJECT SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.

24. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SUITABILITY OF ANY SOIL TO BE USED AS EMBANKMENT MATERIAL IN ACCORDANCE WITH FDOT STD INDEX 505. SUITABLE MATERIAL FROM WITHIN THE PROJECT SHALL BE USED FOR FILL AS SHOWN ON CROSS SECTIONS.

25. CONTRACTOR SHALL CLEAR AND GRUB CONSTRUCTION AREAS BEFORE FILL IS PLACED. ALL AREAS TO RECEIVE FILL SHALL BE STRIPPED OF ALL VEGETATION AND TOPSOIL PRIOR TO PLACING CLEAN FILL.

26. CONTRACTOR IS RESPONSIBLE TO PROVIDE NEW CONCRETE AND SHALL REMOVE AND REPLACE ALL NEW CONCRETE DAMAGED BY VANDALISM OR ANY OTHER CAUSE PRIOR TO ACCEPTANCE OF THE WORK.

27. ALTHOUGH EXISTING UTILITIES WERE INVESTIGATED DURING DESIGN, THERE IS NO GUARANTEE THAT ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES WERE DISCOVERED AND SHOWN ON THE PLANS. CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXISTING UTILITIES, (SIZE, MATERIAL OF CONSTRUCTION, ELEVATION, ETC.) ESPECIALLY AT CONNECTING POINTS, PRIOR TO SHOP DRAWING PREPARATION AND SUBMITTAL. CONTRACTOR SHALL INCLUDE CONSIDERATION OF SUCH UTILITIES IN PLANNING AND PRIOR TO EXECUTION OF WORK. CONTRACTOR SHALL INCLUDE FIELD MEASUREMENTS ON SHOP DRAWINGS.

28. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS BUT ARE NOT PURPORTED TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA. CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING THE PROPOSED WORK.

29. CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH "SUNSHINE 811" (811) AT LEAST TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

30. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, STRUCTURES, AND PROPERTY ON AND ADJACENT TO THE SITE CAUSED BY CONSTRUCTION ACTIVITIES.

31. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH INDIVIDUAL COMPANIES CONCERNING RELOCATION OF UTILITIES AND ANY ADDITIONAL RELOCATIONS RESULTING FROM CONFLICTS NOT DELINEATED ON THE DRAWINGS.

32. CONTRACTOR IS RESPONSIBLE FOR BRACING, SHORING, OR PROVIDING OTHER MEANS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES EXPOSED OR UNEXPOSED DURING CONSTRUCTION. AS REQUIRED TO COMPLETE THE WORK, THE CONTRACTOR SHALL DEWATER, HAND EXCAVATE, SHORE-UP TRENCHES, STABILIZE UTILITIES INCLUDING UTILITY POLES, AND PROVIDE SHEET PILING AT NO ADDITIONAL COST TO THE OWNER.

33. CONTRACTOR SHALL HAND EXCAVATE WHEN CONSTRUCTION IS WITHIN 2 FEET OF EXISTING UTILITIES.

34. THE CONTRACTOR IS HERBY MADE RESPONSIBLE FOR THE SAFE MAINTENANCE OF PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING THE DURATION OF THE PROJECT.

35. CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE TO FDOT STANDARD INDEX 600 SERIES. ONE TRAFFIC LANE MUST BE MAINTAINED AT ALL TIMES WITH USE OF FLAGGER IF NECESSARY. DRIVEWAY ACCESS MUST BE COORDINATED WITH PROPERTY OWNERS. ALL TRAFFIC LANES MUST BE OPEN FOR TRAFFIC AT THE CLOSE OF WORKDAYS. ALL SIGNING, BARRICADES, LIGHTING, AND FLAGGERS SHALL BE INCLUDED IN THE LUMP SUM COST. ALL WORK IS TO BE CARRIED OUT MONDAY THROUGH FRIDAY 7 A.M. TO 7 P.M., WITH NO WEEKEND OR HOLIDAY WORK WITHOUT APPROVAL BY THE OWNER.

36. ALL PAVEMENT MARKINGS SHALL MEET CURRENT MUTCD STANDARDS.

37. ALL PAVEMENT MARKINGS AT CONNECTION POINTS SHALL MATCH IN TERMS OF COLOR AND ALIGNMENT.

38. PAVEMENT STRIPING SHALL BE PROVIDED IN ACCORDANCE WITH FDOT STD INDEX 17346.

39. REMOVAL OF ALL PAVEMENT MARKING WITHIN THE PROJECT LIMITS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PAVEMENT MARKING SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER WITH MINIMAL DAMAGE TO THE PAVEMENT. NO MORE THAN FIVE PERCENT OF THE EXISTING MARKING SHALL REMAIN. THE PAVEMENT SURFACE SHALL NOT BE LEFT SCARRED WITH AN IMAGE THAT MIGHT MISLEAD TRAFFIC. ANY EXCESS DAMAGE OR SCARRING OF THE PAVEMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHAT TYPE OF MATERIAL NEEDS TO BE REMOVED.

40. EXISTING FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED AND PROPOSED FEATURES ARE SHOWN WITH HEAVY-LINES.

41. ALL EXISTING SIGNS IN THE CONSTRUCTION AREA SHALL BE RELOCATED TO THE PROPOSED EDGE OF SIDEWALK.

42. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III WITH COVER CONFORMING TO FDOT STD INDEX 205.

43. PIPE JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STD INDEX 280.

44. PROVIDE TREE PROTECTION BARRICADES PER FDOT STD. INDEX 544 FOR ALL TREES WITHIN THE LIMITS OF CONSTRUCTION.

UTILITY CONTACTS

GAINESVILLE REGIONAL UTILITIES
WATER AND WASTEWATER
LEWIS RICHARDSON, JR.
301 SE 4TH AVE
GAINESVILLE, FL 32614
(352) 334-3400 x 1639

GAINESVILLE REGIONAL UTILITIES
GAS
PHILLIP LANCASTER
3805 NW 97TH BLVD
GAINESVILLE, FL 32614
(352) 334-6078

GAINESVILLE REGIONAL UTILITIES
ELECTRIC
WALLY SEALEY
4747 NORTH MAIN ST
GAINESVILLE, FL 32614
(352) 393-1508

AT&T FLORIDA
CHRIS BAILEY
400 SW 2ND AVE
GAINESVILLE, FL 32601
(352) 371-5260

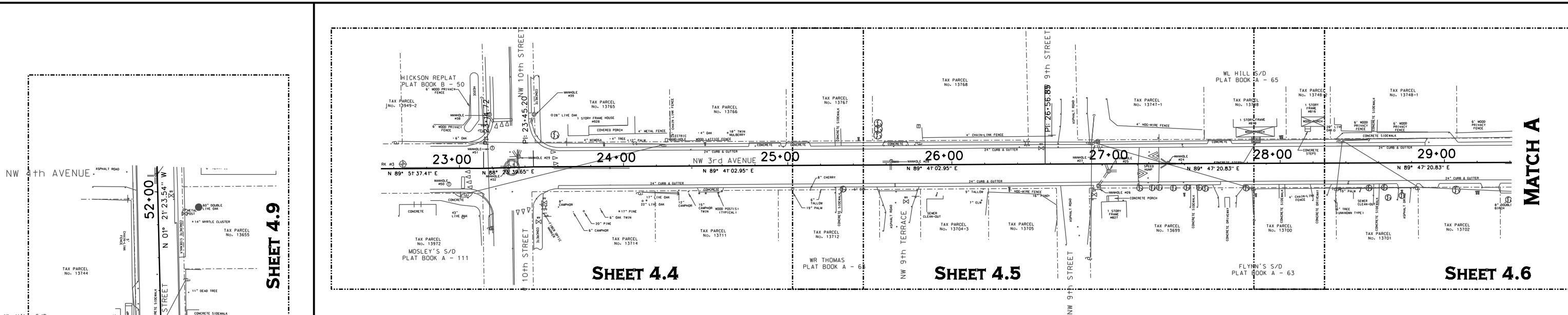
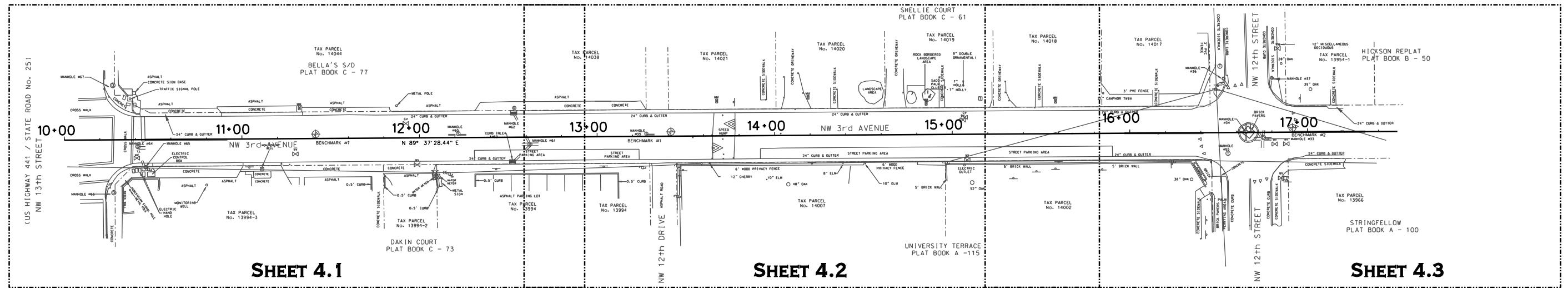
COX CABLE
ADAM GAUSE
6020 NW 43RD ST
GAINESVILLE, FL 32653
(352) 337-2142

TREE REMOVAL SUMMARY

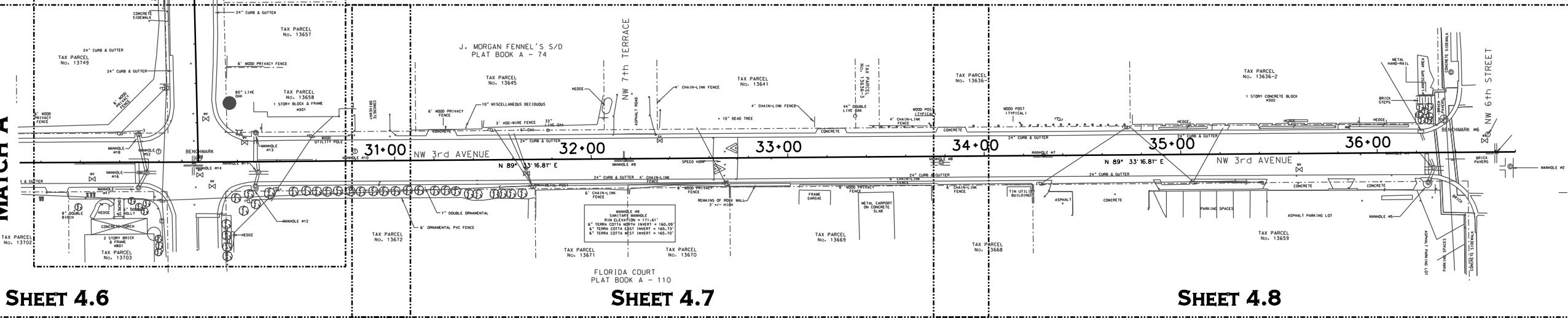
APPROXIMATE LOCATION	TYPE	SIZE
STA 24+33 14' RT	CAMPHOR	12"
STA 24+39 15' RT	CAMPHOR	15"

TREE RELOCATION SUMMARY

APPROXIMATE LOCATION	TYPE	SIZE
STA 25+03 14' RT	PALM	19"
STA 28+36 16' RT	PALM	19"



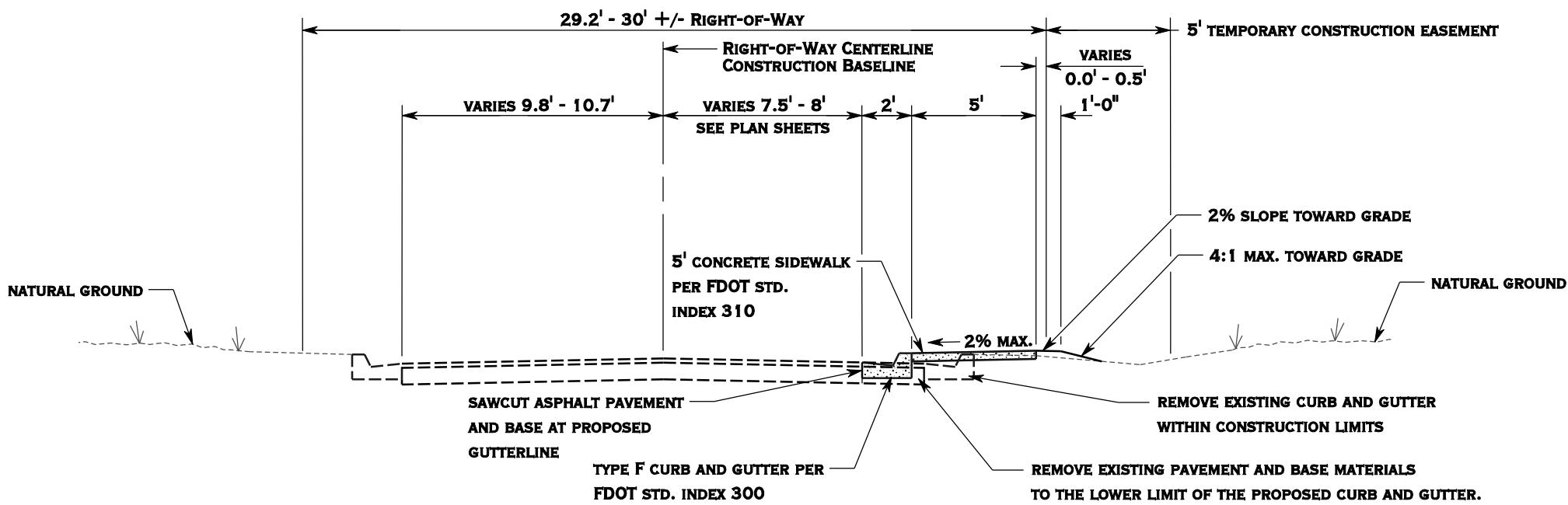
MATCH A



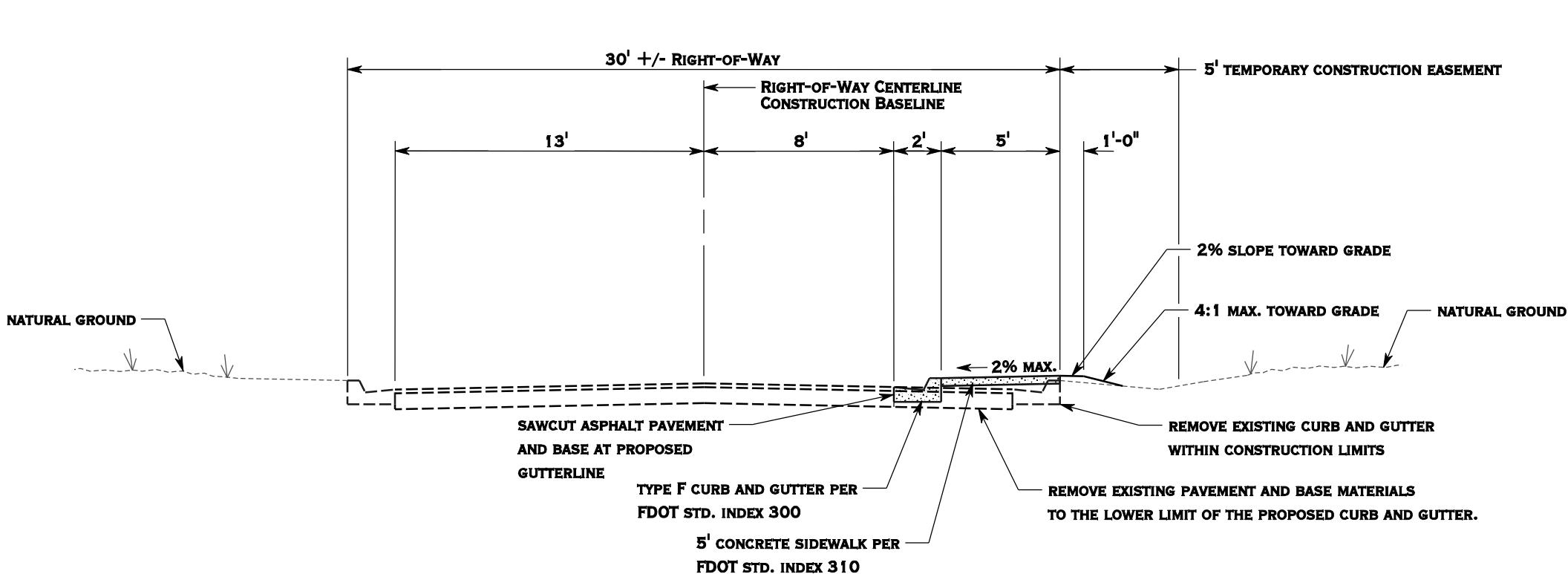
LEGEND

- ⊕ DENOTES PROJECT BENCHMARK
- “(21.9) DENOTES ELEVATION AT ”
- “(82.9) DENOTES ELEVATION AT END OF LEADER
- ↓ DENOTES GUY ANCHOR
- DENOTES SANITARY MANHOLE
- ◎ DENOTES DRAINAGE MANHOLE
- DENOTES COMMUNICATIONS MANHOLE
- ✖ DENOTES FIRE HYDRANT
- DENOTES FIBER OPTIC CABLE BOX
- DENOTES TREE AS INDICATED
- DENOTES ESTABLISHED PLANTED SHRUB(S)
- DENOTES SIGN
- DENOTES WATER VALVE
- DENOTES CONCRETE UTILITY POLE
- DENOTES WOOD UTILITY POLE
- DENOTES GAS VALVE
- DENOTES TELEPHONE RISER BOX
- DENOTES WATER METER
- DENOTES TRAFFIC SIGNAL BOX
- DENOTES FENCE
- DENOTES OVERHEAD UTILITY LINES
- DENOTES APPROXIMATE RIGHT OF WAY LINE
- DENOTES PARCEL LINES
- DENOTES PAINTED TRAFFIC STOP BAR
- DENOTES PAINTED TRAFFIC STRIPES
- DENOTES PAINTED PARKING STRIPE
- DENOTES DRAINAGE FLOW DIRECTION
- X DENOTES TREE REMOVAL/RELOCATION

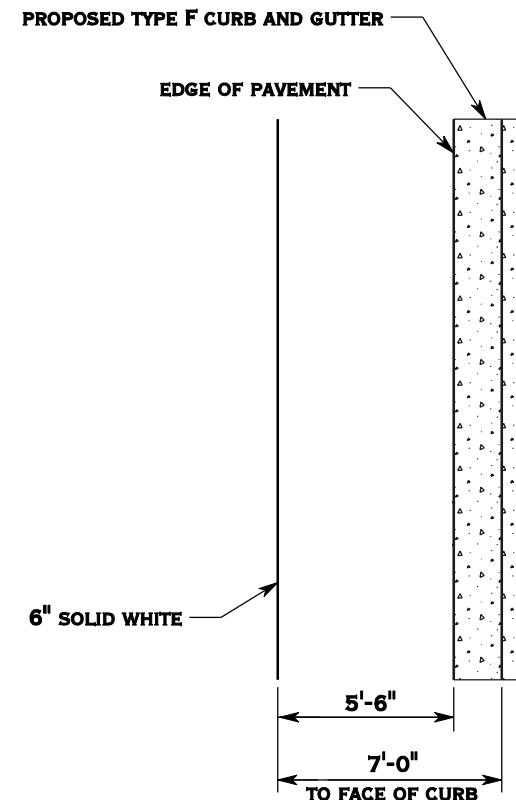
MATCH A



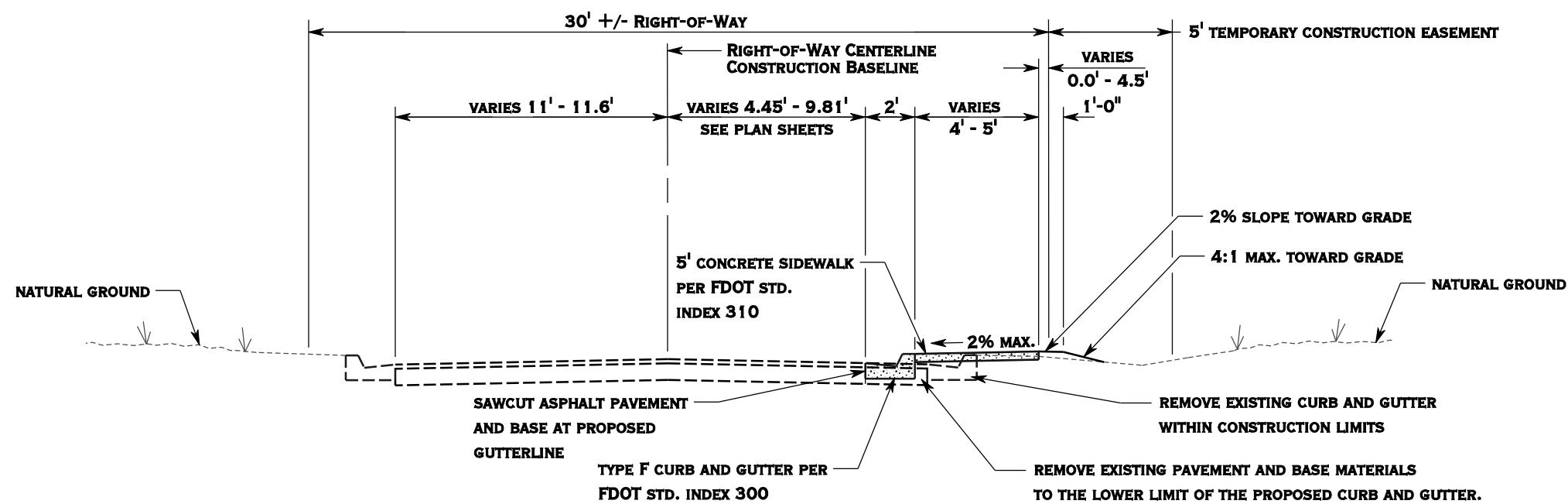
NW 3RD AVE. FROM NW 10TH ST. TO NW 6TH ST.
STA 23+60 TO STA 36+32



NW 3RD AVE. FROM NW 13TH ST. TO NW 12TH ST.
STA 10+48.90 TO STA 16+40



PARKING BAY STRIPING PLAN
SEE PLAN SHEETS 4.1, 4.2, AND 4.3 FOR LOCATIONS



**NW 8TH ST.
STA 50+10.03 TO STA 51+60**

MANHOLE #67
DRAINAGE MANHOLE
RIM ELEVATION = 171.07'
18" RCP NORTH INVERT = 167.41
18" RCP SOUTH INVERT = 167.36
CURB INLET THROAT (MID POINT) ELEVATION = 170.14'

MANHOLE #62
DRAINAGE MANHOLE
RIM ELEVATION = 171.40'
12" RCP SOUTHEAST INVERT = 169.18'
TOP CENTER OF GRATE ELEVATION = 170.93'

MANHOLE #64
DRAINAGE MANHOLE
RIM ELEVATION = 170.82'
18" RCP EAST INVERT = 167.83
12" RCP SOUTHEAST INVERT = 169.40'

MANHOLE #65
DRAINAGE MANHOLE
RIM ELEVATION = 170.90'
12" RCP NORTHWEST INVERT = 168.40'
CURB INLET THROAT (MID POINT) ELEVATION = 170.22'

STRUCTURE #63
CURB INLET
12" RCP NORTHEAST INVERT = 167.57'
TOP CENTER OF GRATE ELEVATION = 170.92'

(US HIGHWAY 441 / STATE ROAD No. 25)

REMOVE EXISTING STOP BAR AND
DOUBLE YELLOW STRIPING

24" STOP BAR

6" SOLID DOUBLE YELLOW

CONSTRUCT TYPE F CURB AND GUTTER
PER FDOT STD. INDEX 300 (TYP.)

TAX PARCEL
No. 14044

BELLA'S S/D
PLAT BOOK C - 77

BEGIN PROJECT
BEGIN CONSTRUCTION
STA 10+42
N 244317.60 CROSS WALK
E 2654867.38

10 + 00

CONSTRUCTION BASELINE

+48.90 13.13' RT

CROSS WALK

MANHOLE #66

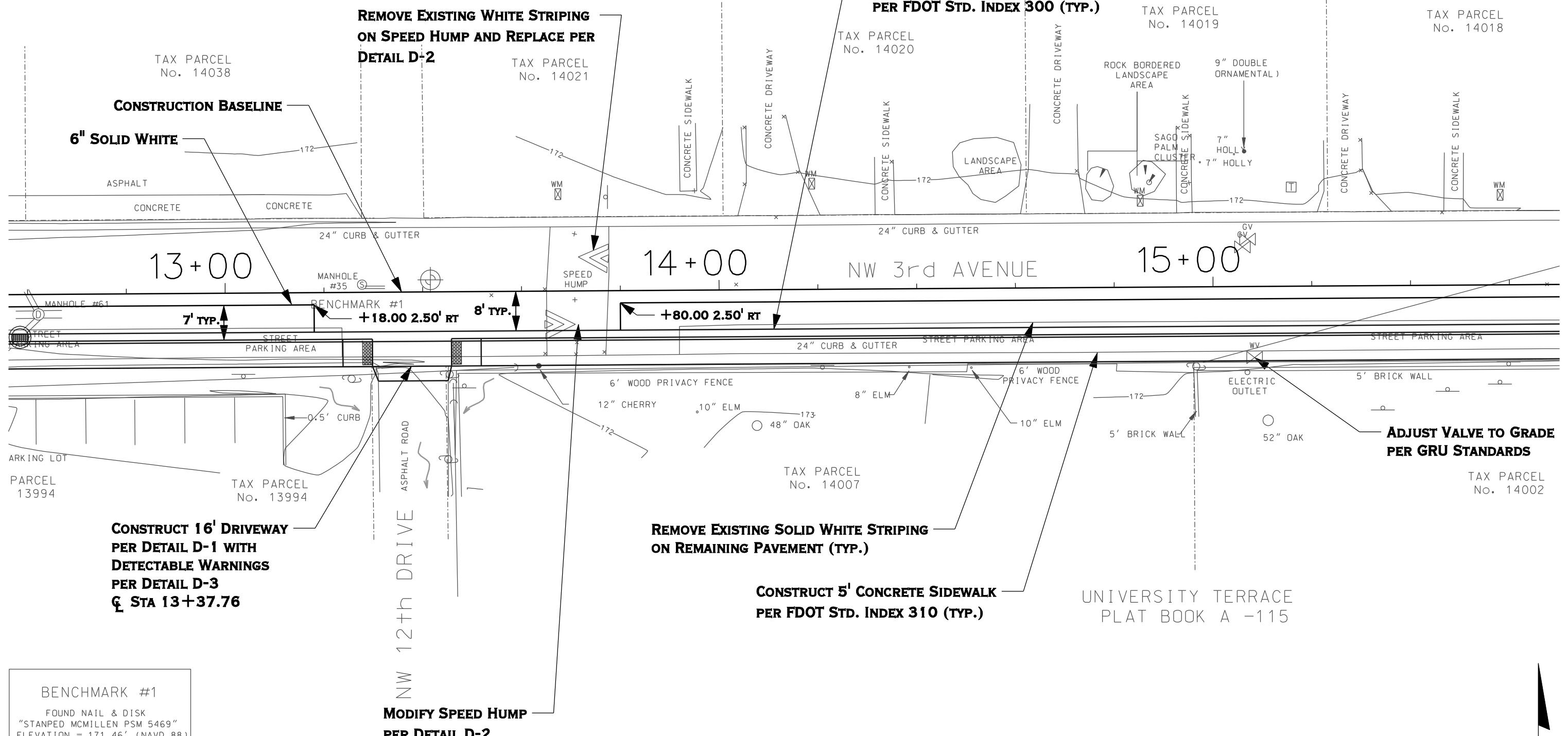
CONCRETE

ASPHALT

CONCRETE

SHELLIE COURT
PLAT BOOK C - 61

CONSTRUCT TYPE F CURB AND GUTTER
PER FDOT STD. INDEX 300 (TYP.)



MANHOLE #36
DRAINAGE MANHOLE
RIM ELEVATION = 172.61'
12" RCP SOUTHEAST INVERT = 167.77'
CURB INLET THROAT (MID POINT) ELEVATION = 171.89'

**SAWCUT AND REMOVE EXISTING
CONCRETE MATCH EXISITING
CURB AND GUTTER
MATCH EXISITING SIDEWALK
WIDTH AND SLOPE**

6" SOLID WHITE

TAX PARCEL
No. 14018

**CONSTRUCT CURB RAMP TYPE
CR-G PER FDOT STD. INDEX
304 WITH DETECTABLE WARNING
PER DETAIL D-3**

TAX PARCEL
No. 14017

**CONSTRUCT TYPE F CURB AND GUTTER
PER FDOT STD. INDEX 300 (TYP.)**

6" SOLID DOUBLE YELLOW

+38.31 14.54' LT

+38.22 2.61' LT

+90.00 4.96' LT

+78.00 2.50' RT

7' TYP.

24" CURB & GUTTER

+29.53 8.00' RT

24" CURB & GUTTER

**REMOVE EXISTING SOLID
WHITE STRIPING ON
REMAINING PAVEMENT (TYP.)**

**TAX PARCEL
No. 14002**

**CONSTRUCT 5' CONCRETE SIDEWALK
PER FDOT STD. INDEX 310 (TYP.)**

**CONSTRUCT CURB RAMP TYPE
CR-L PER FDOT STD. INDEX
304 WITH DETECTABLE WARNING
PER DETAIL D-3**

MANHOLE # 34
SANITARY MANHOLE
RIM ELEVATION = 173.15'
10" TERRA COTTA NORTH INVERT = 161.02'
6" TERRA COTTA EAST INVERT = 161.41'
10" TERRA COTTA SOUTH INVERT = 160.98'
6" TERRA COTTA WEST INVERT = 161.29'

MANHOLE # 55
COMMUNICATIONS MANHOLE
RIM ELEVATION = 172.18'
BOTTOM ELEVATION = 163.78'

**REMOVE RAISED TRAFFIC
CIRCLE AND REPLACE PER
DETAIL D-4**

**+78.02
28.55 LT**

DRAINAGE MANHOLE #37
RIM ELEVATION = 172.60'
12" RCP SOUTHEAST INVERT = 168.00'
CURB INLET THROAT (MID POINT) ELEVATION = 171.85'

**SAWCUT AND REMOVE EXISTING
CONCRETE AT INLET MATCH
EXISTING CURB AND GUTTER
MATCH EXISITING SIDEWALK
WIDTH AND SLOPE**

**12" MISCELLANEOUS
DECIDUOUS**

**+83.39
31.88' LT**

**TAX PARCEL
No. 13954-1**

**+87.94
28.67' LT**

**+88.03
15.45' LT**

**HICKSON REPLAT
PLAT BOOK B - 50**

**BENCHMARK #2
FOUND NAIL & DISK
"STAMPED MCMILLEN PSM 5469"
ELEVATION = 172.38' (NAVD 88)**

**CONSTRUCT CURB RAMP TYPE
CR-G PER FDOT STD. INDEX
304 WITH DETECTABLE WARNING
PER DETAIL D-3**

**RESTRIPE YEILD ARROWS AT
NORTH, SOUTH, AND EAST
LEGS OF INTERSECTION**

18 + 00

CONSTRUCTION BASELINE

**6" SOLID DOUBLE YELLOW
RE-STRIPED TO EXISTING LIMITS
AT NORTH, SOUTH, AND EAST
LEGS OF INTERSECTION**

**MANHOLE #33
DRAINAGE MANHOLE
RIM ELEVATION = 172.49'
12" RCP NORTHEAST INVERT = 167.13'
18" RCP EAST INVERT = 166.01'
18" RCP SOUTH INVERT = 165.98'
12" RCP NORTHWEST INVERT = 166.98'**

**SAWCUT AND REMOVE EXISTING
CONCRETE MATCH EXISITING
CURB AND GUTTER
MATCH EXISITING SIDEWALK
WIDTH AND SLOPE**

STA 16+96.45

**CONSTRUCT CURB RAMP TYPE
CR-L PER FDOT STD. INDEX
304 WITH DETECTABLE WARNING
PER DETAIL D-3**

**SAWCUT AND REMOVE EXISTING CONCRETE
AND BRICK. MATCH EXISITING CURB AND GUTTER
MATCH EXISITING SIDEWALK WIDTH AND SLOPE
OFFSET 24.55' RT.**

**SAWCUT AND REMOVE EXISTING CONCRETE
AND BRICK. MATCH EXISITING CURB AND GUTTER
MATCH EXISITING SIDEWALK WIDTH AND SLOPE
OFFSET 24.55' RT.**



MANHOLE # 38
DRAINAGE MANHOLE
RIM ELEVATION = 172.99'
12" RCP SOUTHEAST INVERT = 170.36'
CURB INLET THROAT (MID POINT) ELEVATION = 172.29'

SAWCUT AND REMOVE EXISTING CONCRETE. MATCH EXISTING CURB AND GUTTER. MATCH EXISTING SIDEWALK WIDTH AND SLOPE OFFSET 29.25' LT.

MANHOLE #29
DRAINAGE MANHOLE (CONFLICT MANHOLE)
RIM ELEVATION = 172.98'
12" RCP NORTHEAST INVERT = 170.08'
18" RCP WEST INVERT = 168.85'
12" RCP NORTHWEST INVERT = 170.06'
TOP OF 6" PVC CONFLICT PIPE
RUNNING NORTH AND SOUTH = 170.89'

MANHOLE #39
DRAINAGE MANHOLE
RIM ELEVATION = 172.99'
12" RCP SOUTHWEST INVERT = 170.45'
CURB INLET THROAT (MID POINT) ELEVATION = 172.37'

MANHOLE #51
COMMUNICATIONS MANHOLE
RIM ELEVATION = 172.81'
BOTTOM ELEVATION = 165.31'

MANHOLE # 50
COMMUNICATIONS MANHOLE
RIM ELEVATION = 172.32'
BOTTOM ELEVATION = 163.79'

TAX PARCEL
No. 13949-2

HICKSON REPLAT
PLAT BOOK B - 50

6' WOOD PRIVACY
FENCE
REMOVE SOLID WHITE

**ADJUST MANHOLE TO GRADE
PER GRU STANDARDS**

CONSTRUCTION BASELINE

23 + 00

N 89° 51' 37.41" E

MANHOLE

#50

TAX PARCEL
No. 13949-2

MANHOLE

#38

TAX PARCEL
No. 13949-2

REMOVE SOLID WHITE

CONCRETE

CONCRETE

43" LIVE OAK

TAX PARCEL
No. 13972

MOSLEY'S S/D
PLAT BOOK A - 111

BENCHMARK #3
NAIL AND DISK
STAMPED "D.S.I. BENCHMARK"
ELEVATION = 172.47' (NAVD 88)

MANHOLE # 32
SANITARY MANHOLE
RIM ELEVATION = 172.10'
10" TERRA COTTA NORTH INVERT = 164.36'
10" TERRA COTTA EAST INVERT = 164.86'
10" TERRA COTTA SOUTH INVERT = 164.34'
10" TERRA COTTA WEST INVERT = 164.84'

**REMOVE RAISED TRAFFIC
CIRCLE AND REPLACE PER
DETAIL D-4**

**CONSTRUCT CURB RAMP TYPE
CR-G PER FDOT STD. INDEX
304 WITH DETECTABLE WARNING
PER DETAIL D-3**

**SOLID WHITE YEILD ARROWS (TYP)
6" SOLID DOUBLE YELLOW**

MANHOLE #39
TAX PARCEL
No. 13765

0.28" LIVE OAK
1 STORY FRAME HOUSE
#928
COVERED PORCH
4' METAL FENCE

4" MIMOSA
4" TREE
12" PALM

4" CHAIN LINK FENCE
ELECTRIC
HAND-HOLE

4" OAK
WOOD LATTICE FENCE

24" CURB & GUTTER

24" CURB & GUTTER
CONSTRUCT TYPE F CURB AND GUTTER
PER FDOT STD. INDEX 300 (TYP.)

TAX PARCEL
No. 13767

TAX PARCEL
No. 13766

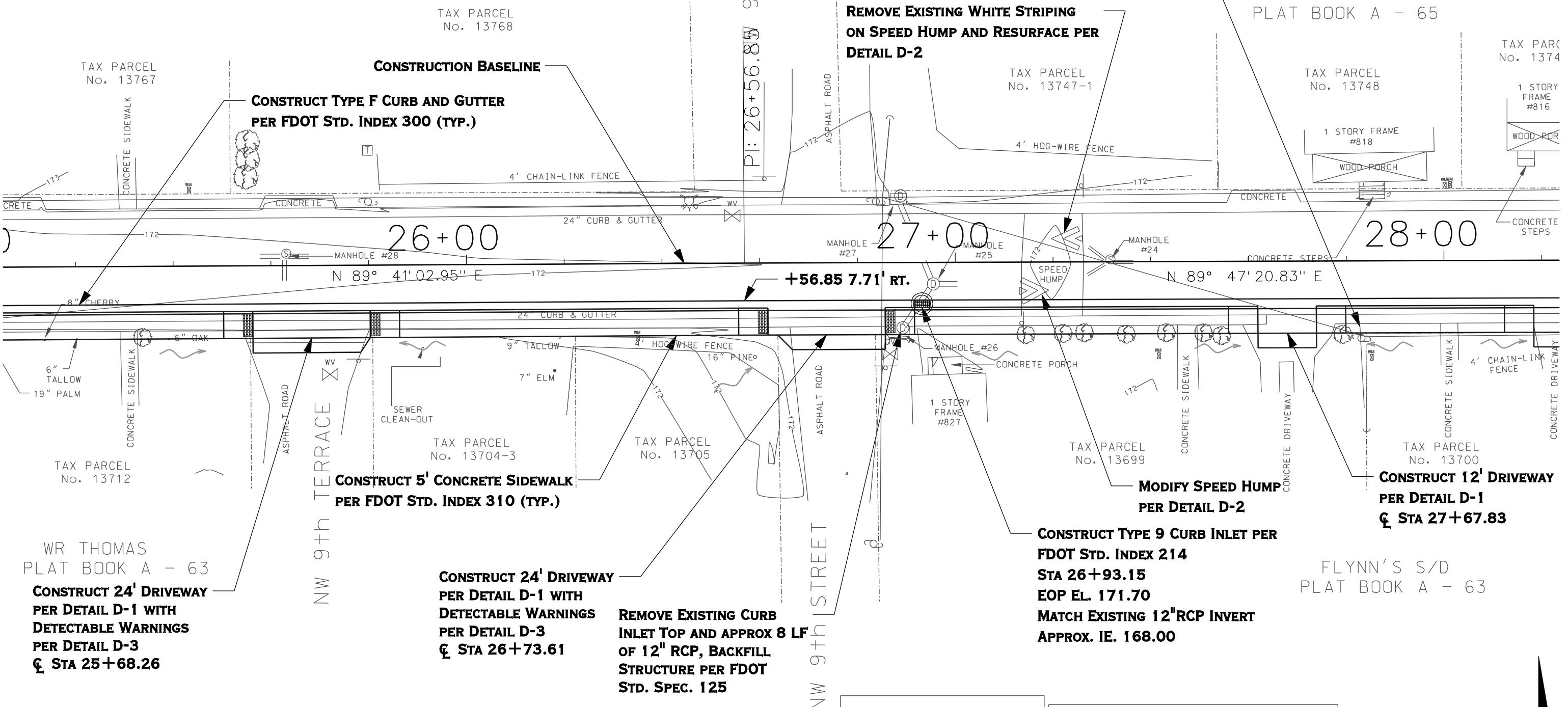
TAX PARCEL
No. 13712

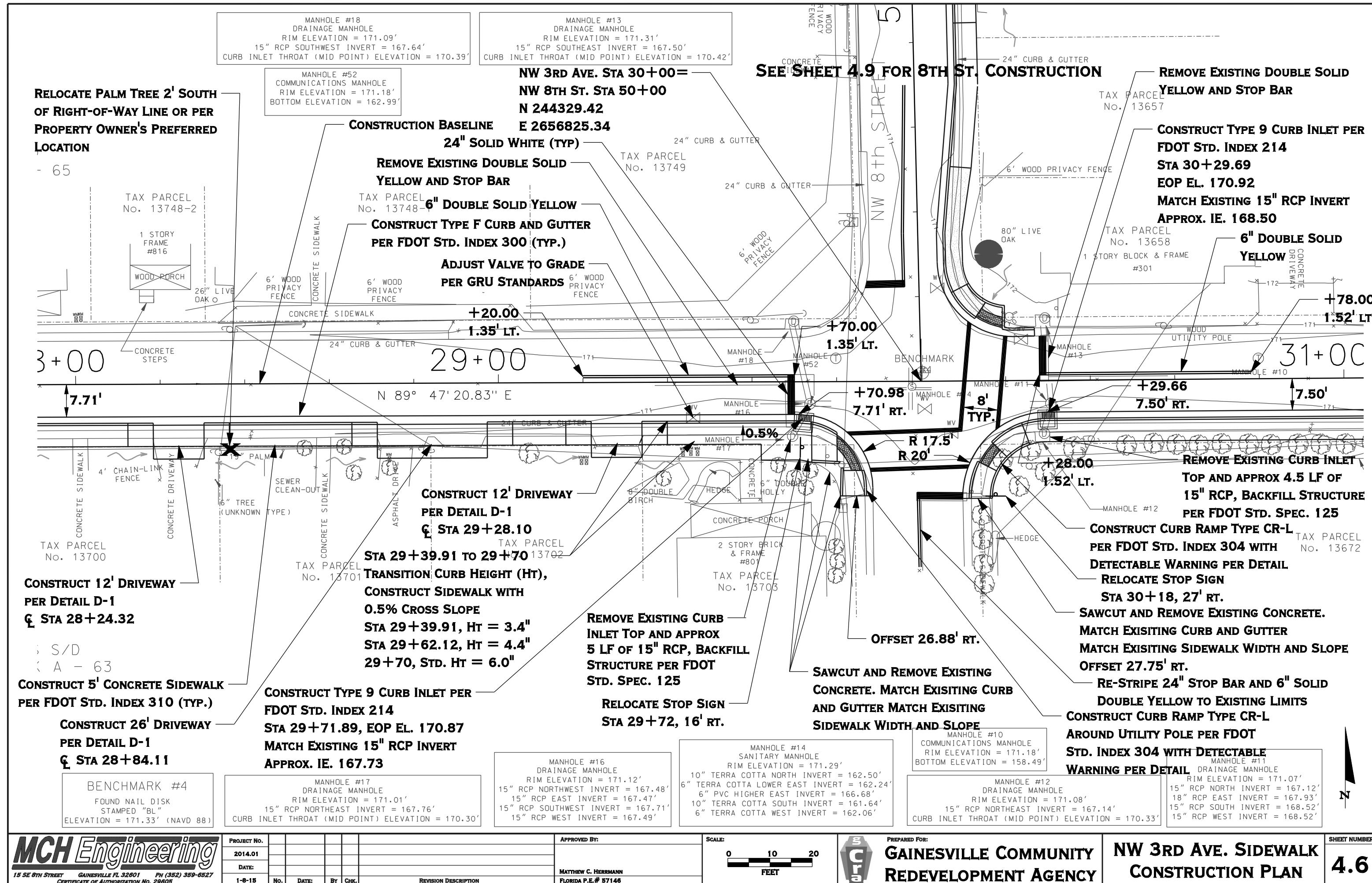
MANHOLE #28
SANITARY MANHOLE
RIM ELEVATION = 172.10'
10" TERRA COTTA EAST INVERT = 165.81'
10" TERRA COTTA SOUTH INVERT = 165.57'
10" TERRA COTTA WEST INVERT = 165.84'

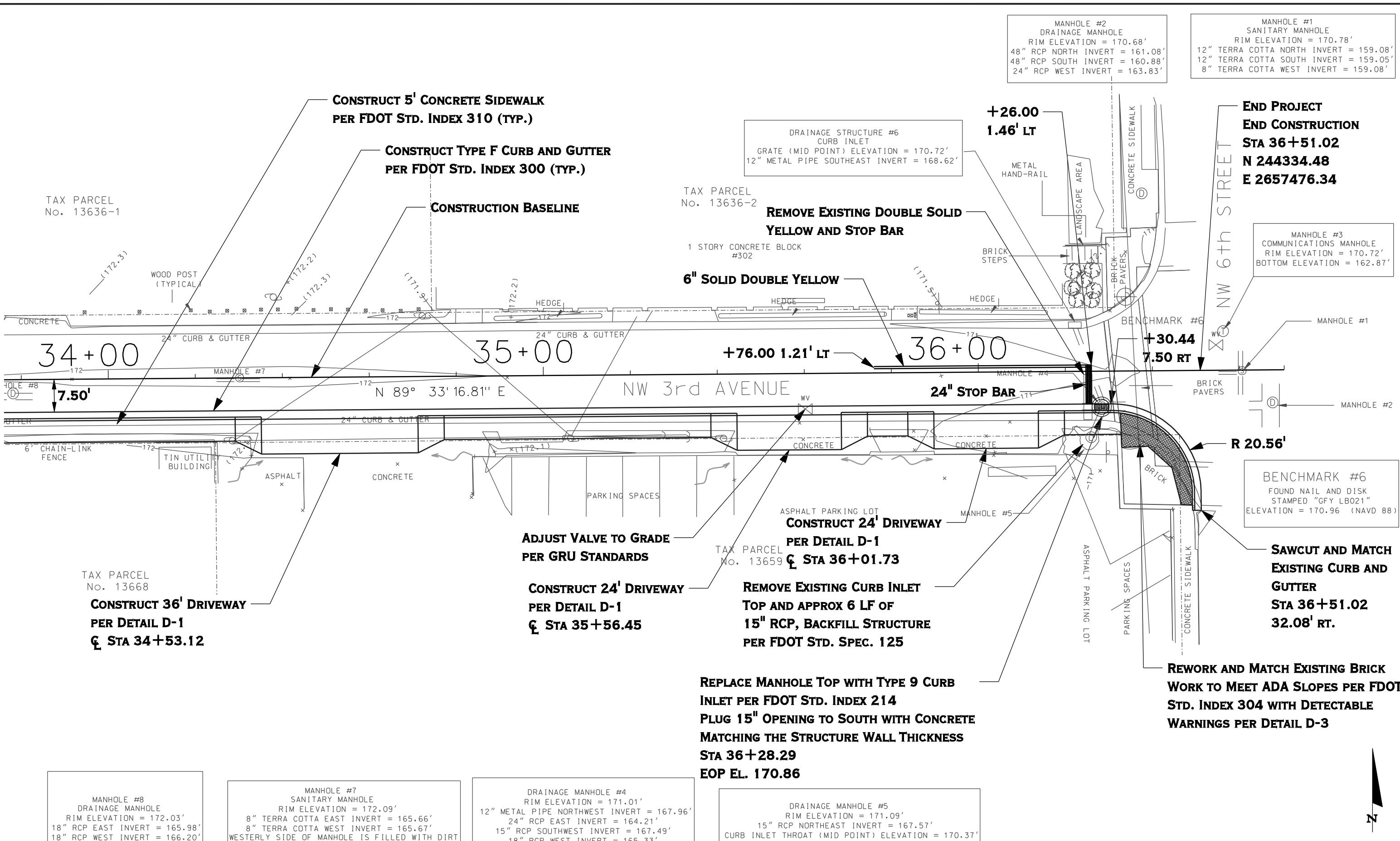
MANHOLE #27
DRAINAGE MANHOLE
RIM ELEVATION = 172.02'
12" RCP NORTHEAST INVERT = 168.20'
CURB INLET THROAT (MID POINT) ELEVATION = 171.28'

MANHOLE #24
SANITARY MANHOLE
RIM ELEVATION = 171.83'
6" TERRA COTTA NORTHWEST INVERT = 166.87'
8" TERRA COTTA EAST INVERT = 166.62'
6" TERRA COTTA SOUTHWEST INVERT = 166.88'

URVEY
- 126





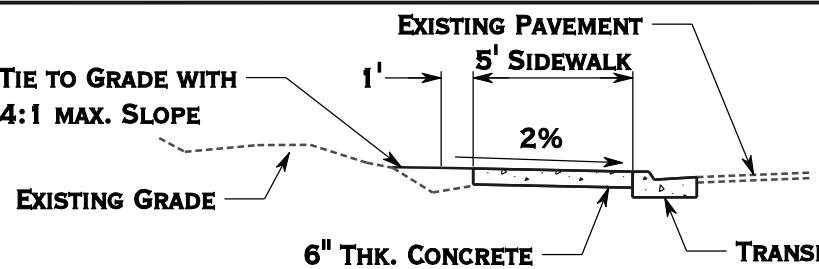


DETECTABLE WARNING NOTES:

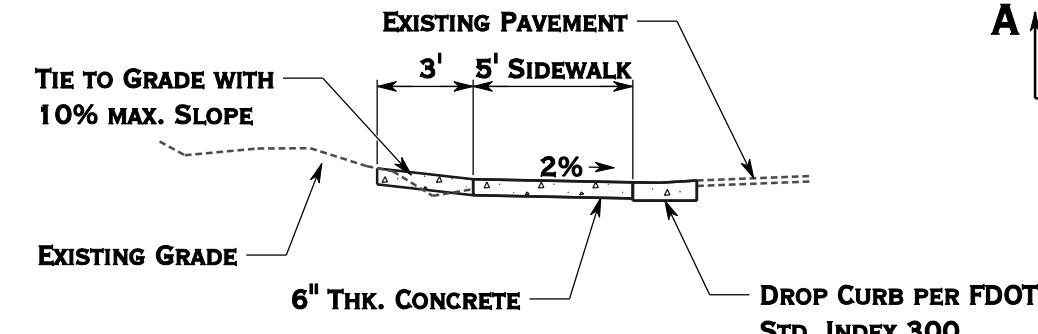
DETECTABLE WARNING COLOR TO PROVIDE LIGHT/DARK CONTRAST OF 75% OF ADJACENT SIDEWALK.

DETECTABLE WARNING SURFACE FOR THE RAMPS SHALL CONSIST OF INTERLOCKING 4"X8" ADA DETECTABLE WARNING SURFACE PAVERS HAVING A MINIMUM DEPTH OF 2" WITH RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9" (23MM), A HEIGHT OF NOMINAL 0.2" (5MM), AND CENTER-TO-CENTER SPACING NOMINAL 2.35" (60MM). CONCRETE PAVERS ARE TO MEET "ADA STANDARDS FOR ACCESSIBLE DESIGN" SEC. 4.29 CONTRACT REQUIREMENTS, AND CRA APPROVAL.

ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OR PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY UNITS THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE LAID IN A 2x2 BASKETWEAVE PATTERN, FLUSH WITH THE FINISH GRADE OF THE RAMP SURFACE, AND HAVE GAPS BETWEEN 1/16 AND 1/8 INCH. CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN 1/3 OF A WHOLE PAVER.

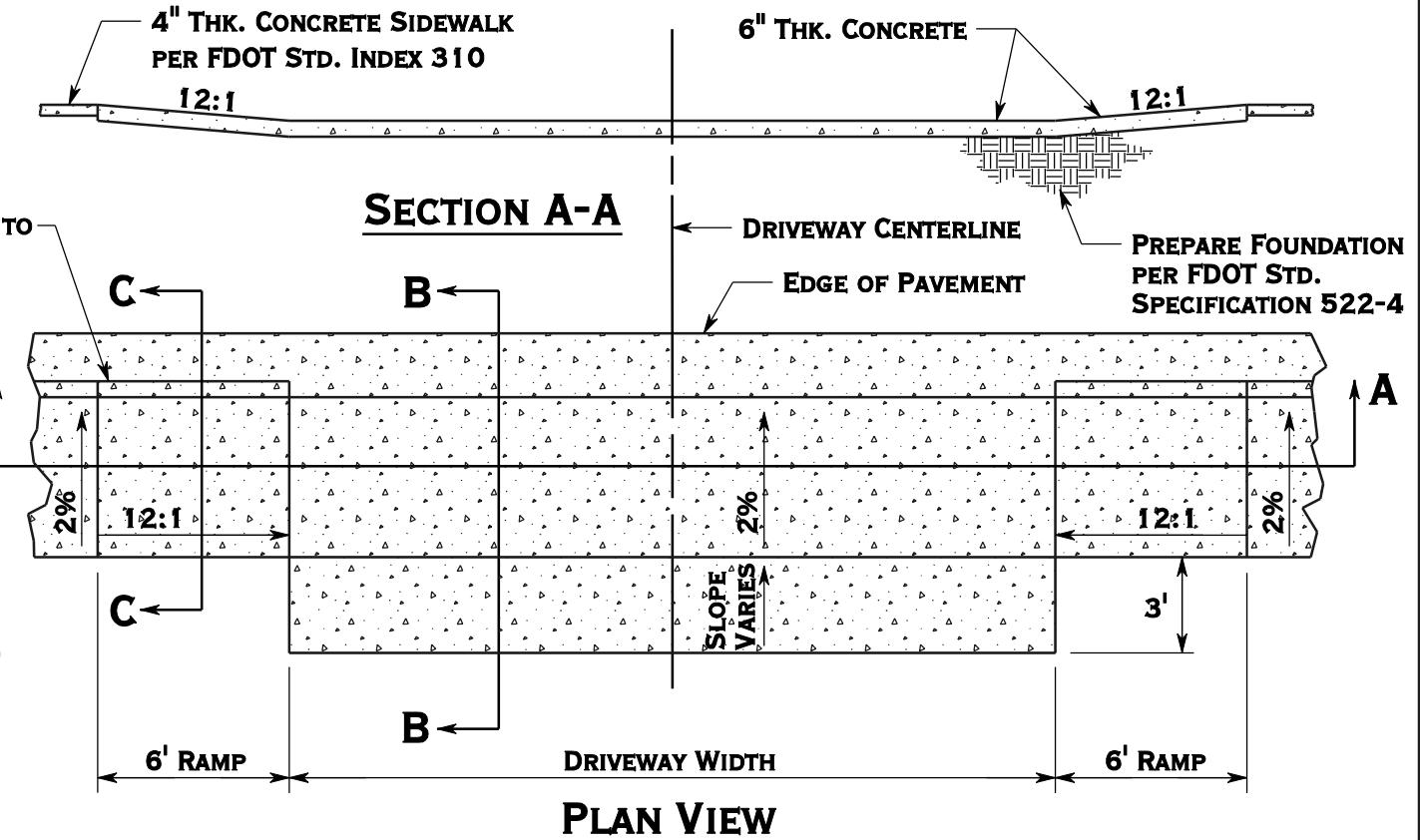


SECTION C-C



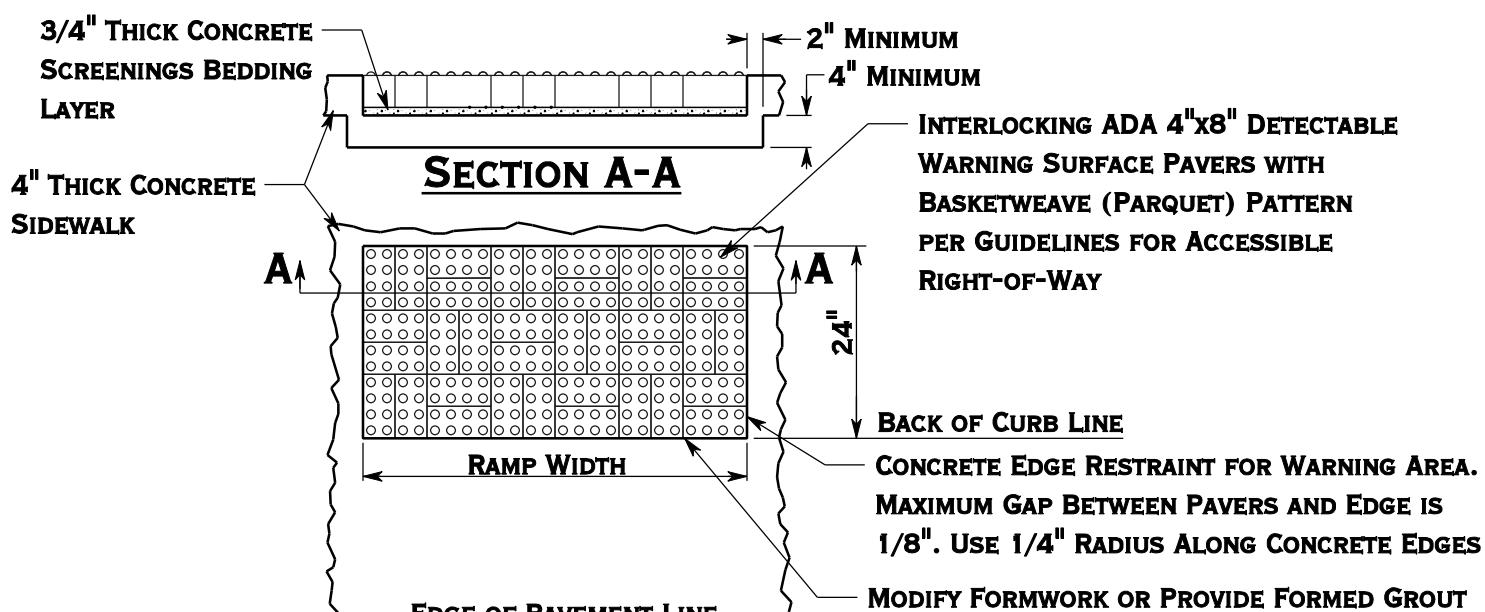
SECTION B-B

NOTE: DRIVEWAYS SHALL COMPLY WITH CURRENT ADA STANDARDS.



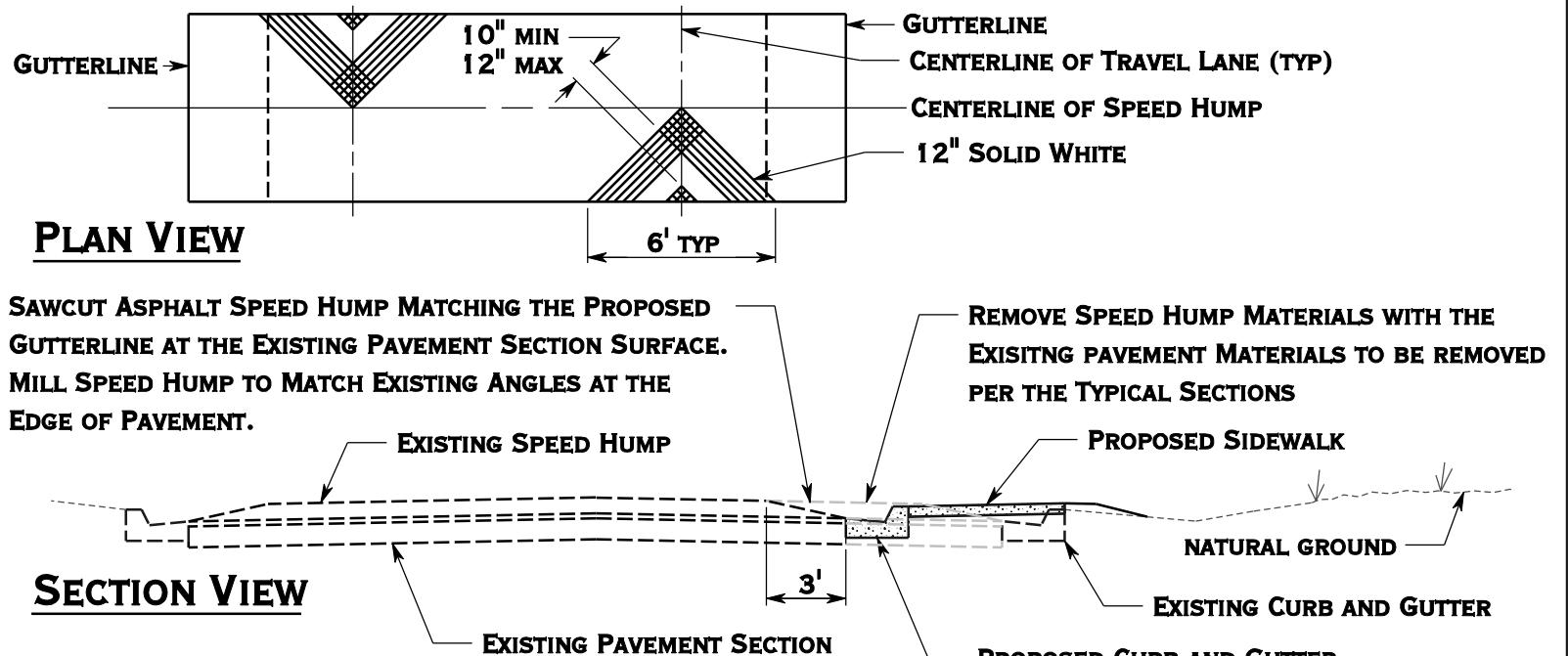
D-1 DRIVEWAY DETAIL

SCALE: 0 3 6
FEET



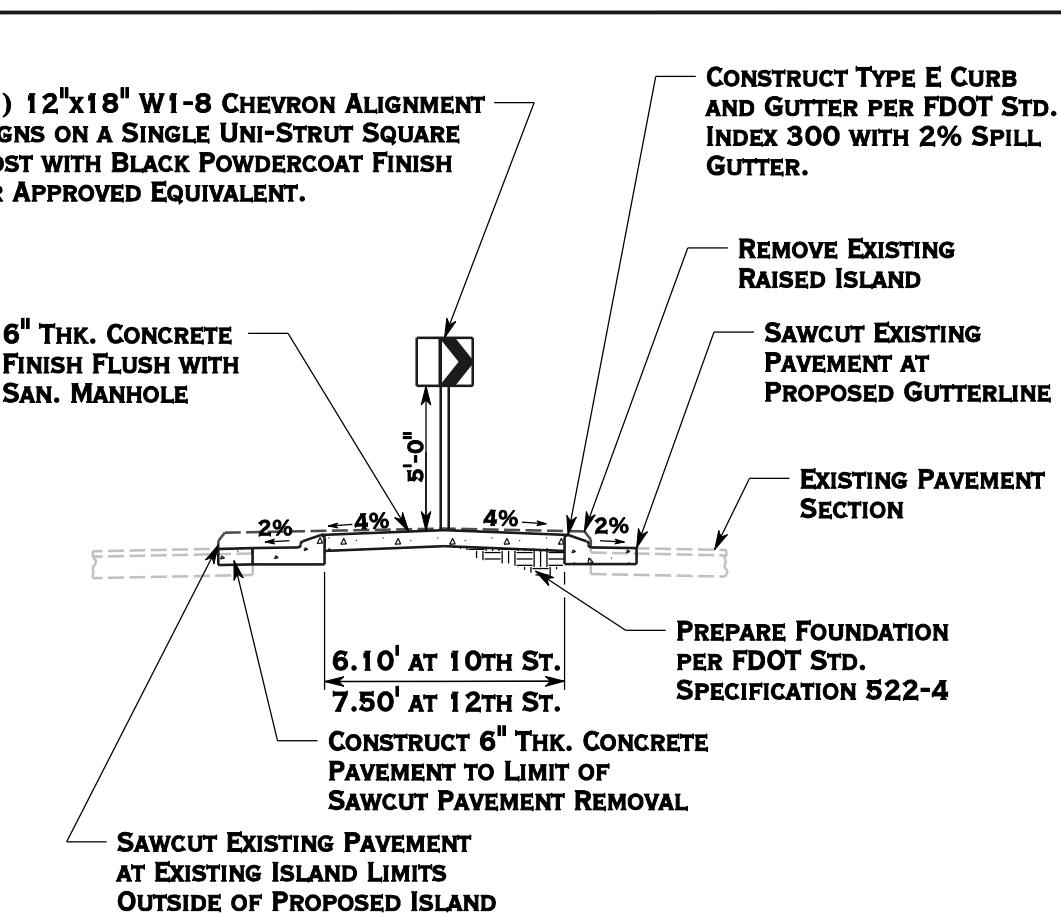
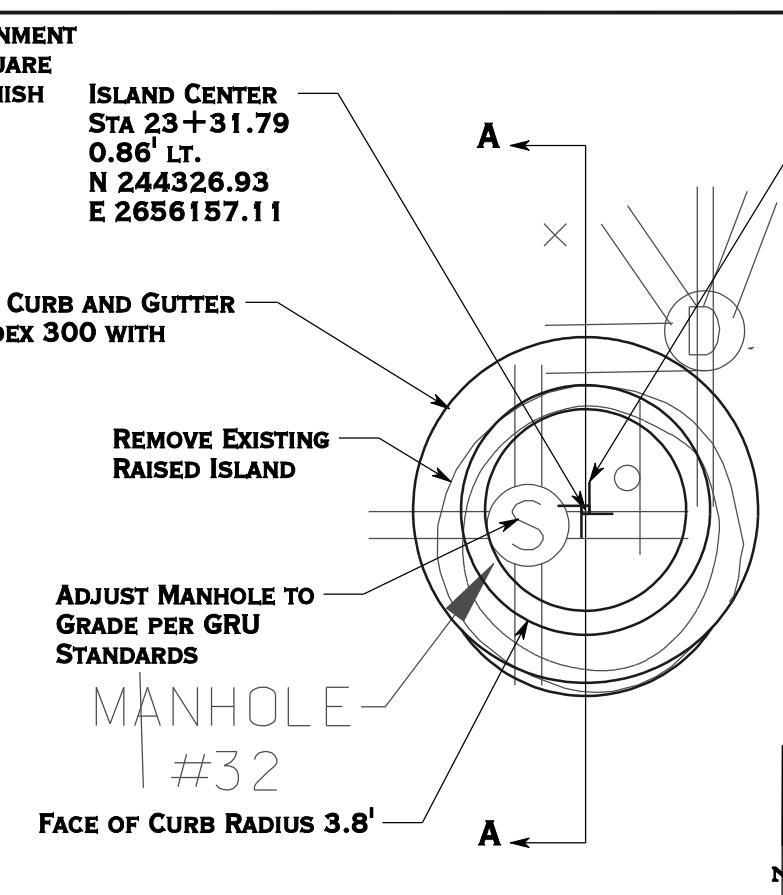
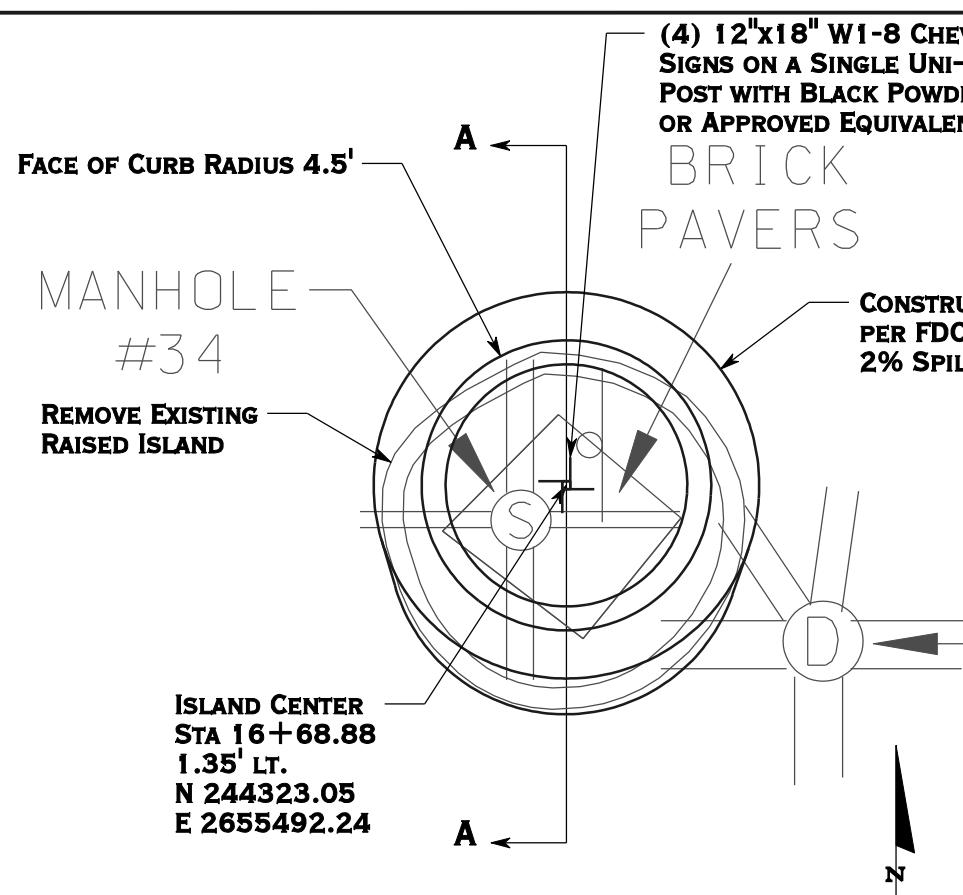
D-3 DETECTABLE WARNING DETAIL

SCALE: NOT TO SCALE



D-2 SPEED HUMP MODIFICATION DETAIL

SCALE: 0 3 6
FEET



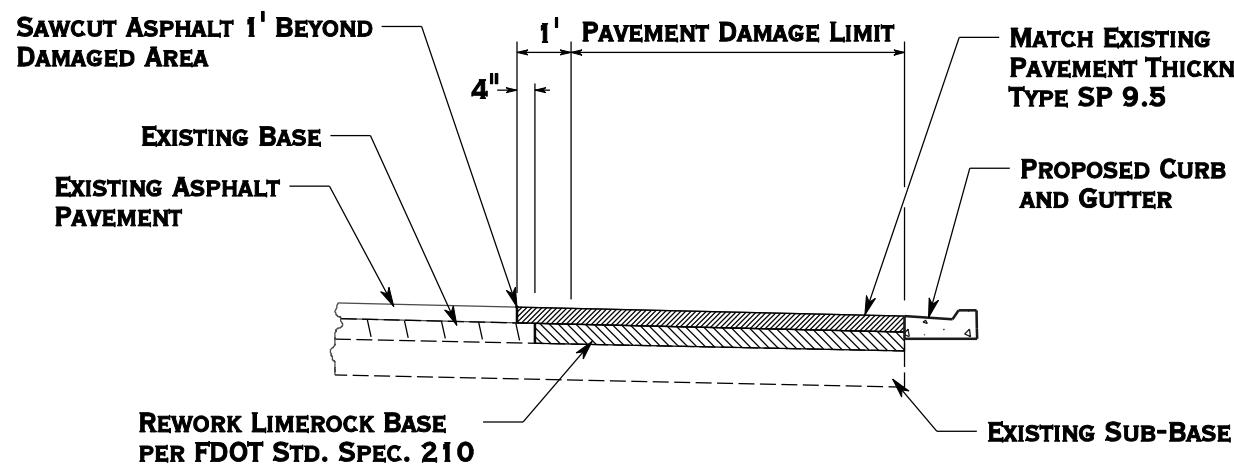
TRAFFIC CIRCLE AT NW 12TH ST.

TRAFFIC CIRCLE AT NW 10TH ST.

SECTION A-A

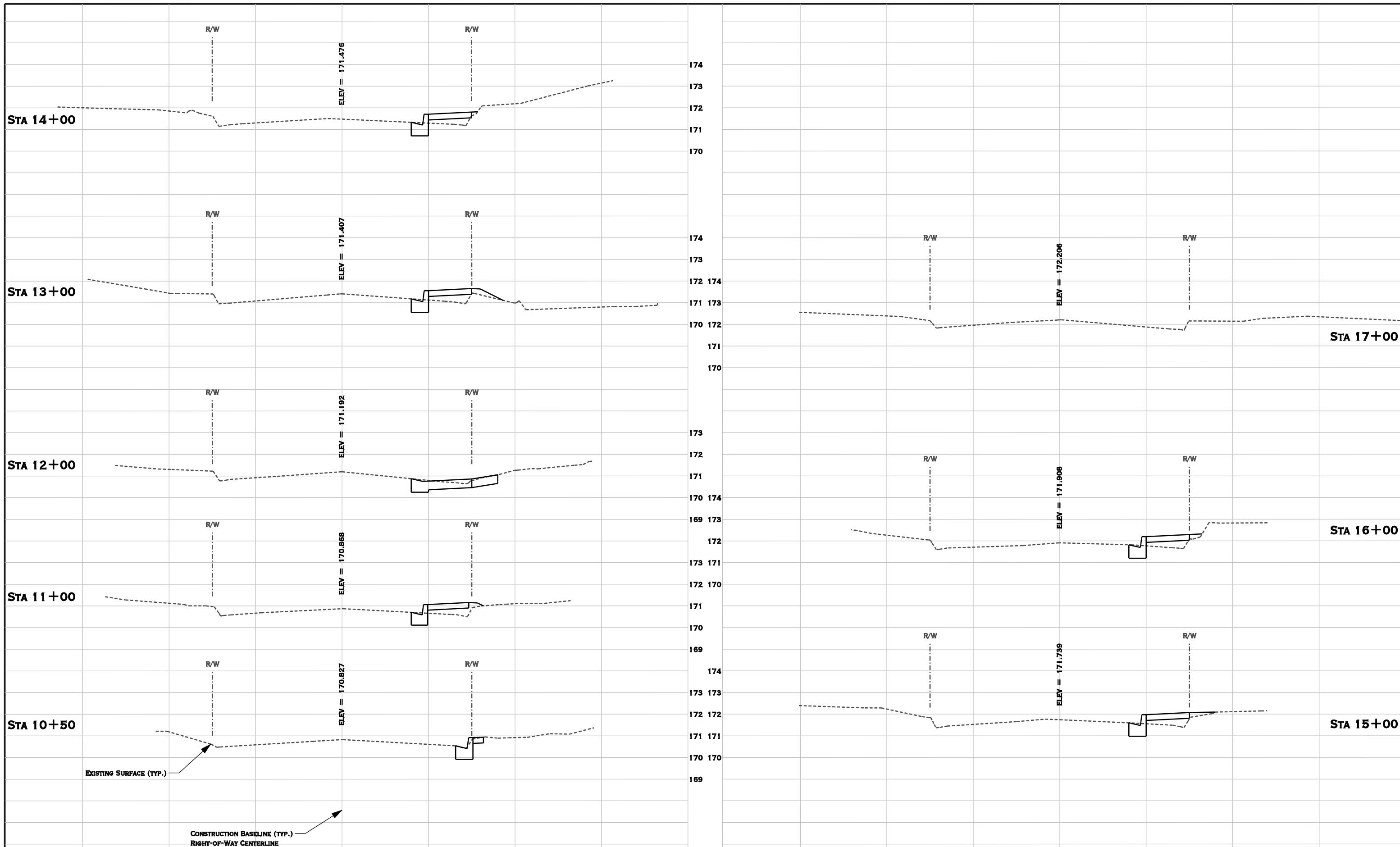
D-4 TRAFFIC CIRCLE DETAILS

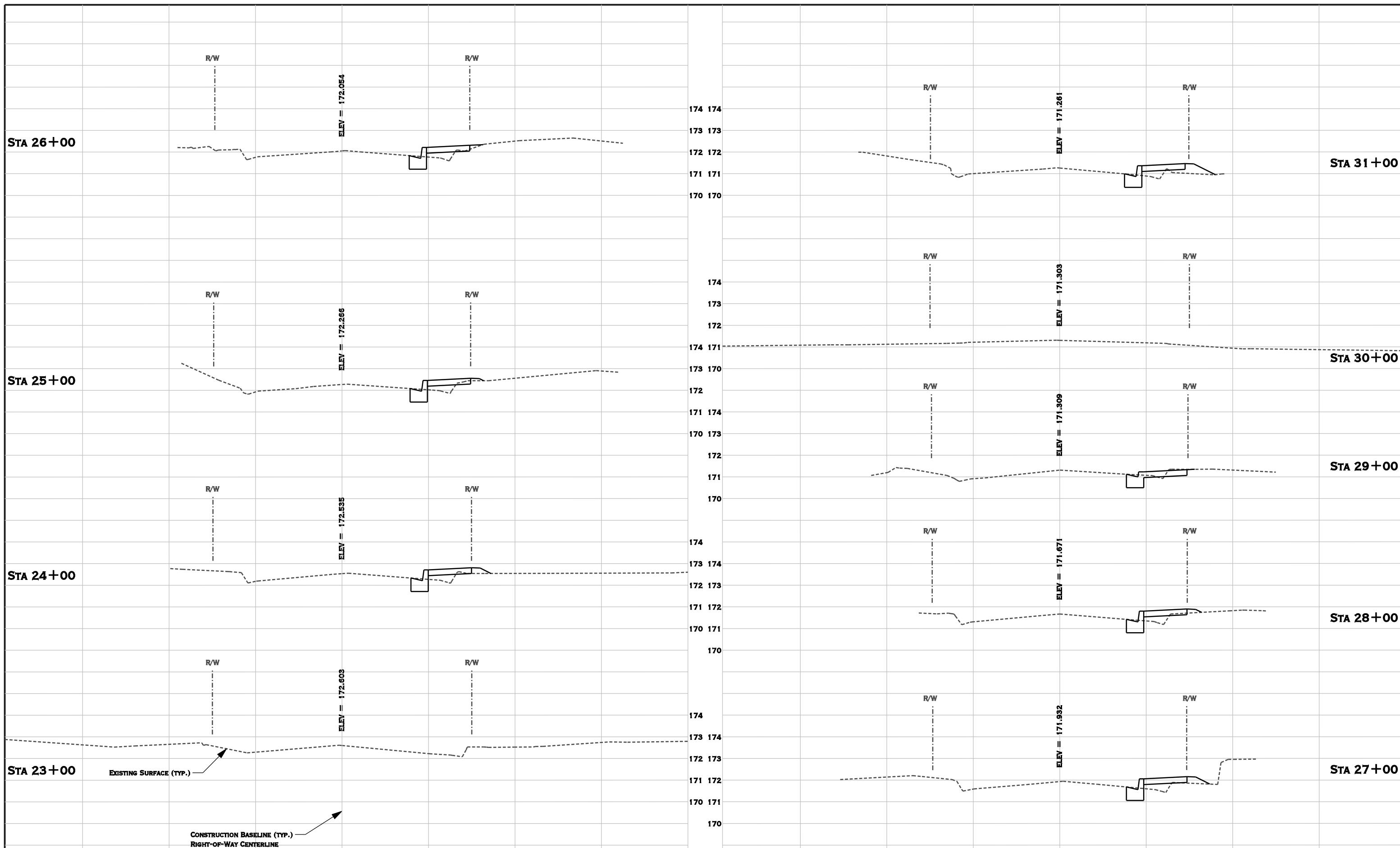
SCALE: 0 3 6
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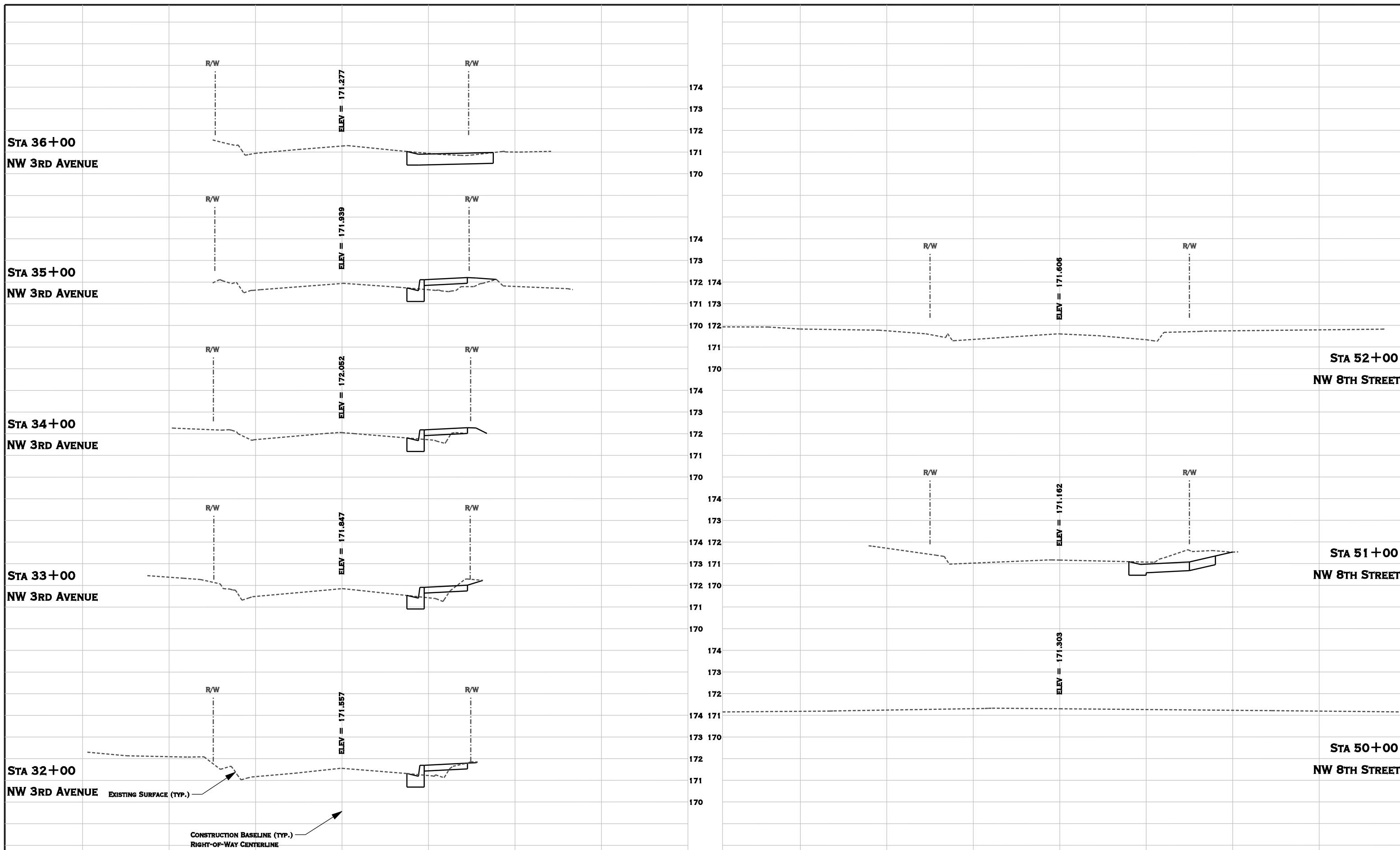


D-5 PAVEMENT REPAIR DETAIL

SCALE: N.T.S.







1.0 SITE DESCRIPTION

Nature of Construction Activity:

Construction of a 5 foot wide sidewalk with associated stormwater catch basin adjustments. The 0.44 acre disturbed area is located on City of Gainesville Right-of-Way in Alachua County, Florida, Gainesville, Florida and is within Section 5, Township 10 South, Range 20 East.

Major Soil Disturbing Activities:

Earthwork for the construction of a 5 foot wide sidewalk with curb and gutter.

Area Estimates

TOTAL PROJECT AREA: Unknown, City of Gainesville Right-of-Way
TOTAL DISTURBED AREA: 0.44 +/- acres

Runoff Data:

Pre-construction C	= 0.30 through 0.95
During construction C	= 0.30 through 0.95
Post construction C	= 0.30 through 0.95

Site Map:

Construction plans will be utilized as the site map.

Drainage Patterns:

Existing drainage characteristics within the project involve surface water sheet flow, shallow concentrated flow and pipe flow. The project is in the upper reaches of the Tumblin Creek Watershed

Approximate Slopes:

Slopes of drainage areas vary from 0.2% to 25%.

Areas of Soil Disturbance:

Areas of soil disturbance include the areas where sidewalk will be introduced. See plan sheets for specifics.

Areas that may not be disturbed:

Areas outside of the Right-of-Way or Construction Easements may not be disturbed. No adjacent properties are to be disturbed without written permission for activities from the property owners.

Location of Controls:

Filter fabric barriers (silt fence) shall be used at the toe of fill slopes and disturbed areas along private property lines to prevent sediment from leaving the site. Installation and use shall conform to FDOT Standard Index 102.

Curb inlet protection devices shall be employed on all curb inlets on both sides of the roadway within the limits of construction

Areas to be Stabilized:

All disturbed areas shall be stabilized to minimize erosion to soils and deposition of sediment.

Surface Waters (including wetlands):

Not Applicable

Section 2.0 Controls:

Discharge Points to Surface Water:

Not applicable

2.0 CONTROLS

It is the contractors responsibility to implement erosion and turbidity controls. It is also the contractors responsibility to ensure these controls are properly installed, maintained and functioning properly to prevent turbidity or polluted water from leaving the project site. The contractor will add additional control measures, as required, to ensure the site meets all federal state and local erosion and sediment control standards and as required to meet the sediment and turbidity requirements imposed on the project site by the regulatory agencies.

Erosion and Sediment Controls Stabilization Practices

1. Straw bale barrier: straw bale barriers can be used below disturbed areas subject to sheet and rill erosion with the following limitations:

A. Where the maximum slope behind the barrier is 33 percent.

B. In minor swales or ditch lines where the maximum contributing drainage area is no greater than 2.0 acres.

C. Where effectiveness is required for less than 3 months.

D. Every effort should be made to limit the use of straw bale barriers constructed in live streams or in swales where there is the possibility of a washout. If necessary, measures shall be taken to properly anchor bales to insure against washout.

2. Filter fabric barrier: Filter fabric barriers can be used below disturbed areas subject to sheet and rill erosion with the following limitations:

A. Where the maximum slope behind the barrier is 33 percent.

B. In minor swales or ditch lines where the maximum contributing drainage area is no greater than 2.0 acres.

3. Brush barrier with filter fabric: brush barrier may be used below disturbed areas subject to sheet and rill erosion where enough residue material is available on site.

4. Level Spreader: A level spreader may be used where sediment-free storm runoff is intercepted and diverted away from the graded areas onto undisturbed stabilized areas. This practice applies only in those situations where the spreader can be constructed on undisturbed soil and the area below the level up is stabilized. The water should not be allowed to reconcentrate after release.

5. Stockpiling material: No excavated material shall be stockpiled in such a manner as to direct runoff directly off the project site into any adjacent water body or storm water collection facility.

6. Exposed area limitation: The surface area of open, erodible soil exposed by clearing grubbing operations or excavation and filling operations shall not exceed 2.0 acres. This requirement may be waived for large projects with an erosion control plan which demonstrates that opening of additional area will not significantly affect off-site deposit of sediments.

7. Inlet protection: Inlets and catch basins with discharge directly off-site shall be protected from sediment-laden storm runoff until the completion of all construction operations that may contribute sediment to the inlet.

8. Temporary seeding: Areas opened by construction operations and that are not anticipated to be re-excavated or dressed and receive final grassing treatment within 21 days shall be seeded with a quick growing grass. Species which will provide an early cover during the season in which it is planted and will not later compete with the permanent grassing.

9. Temporary seeding and mulching: Slopes steeper than 6:1 that fall within the category established in paragraph 8 above shall additionally receive mulching of approximately 6 $\frac{1}{2}$ loose measure of mulch material cut into the soil of the seeded area adequate to prevent movement of seed and mulch or hydromulched.

10. Temporary grassing: The seeded or seeded and mulched area(s) shall be rolled and watered or hydromulched or other suitable methods if required to assure optimum growing conditions for the establishment of a good grass cover.

11. Temporary regrassing: If after 14 days from seeding, the temporary grassed areas have not attained a minimum of 75 percent good grass cover, the area will be reworked and additional seed applied sufficient to establish the desired vegetative cover.

12. Maintenance: All features of the project designed and constructed to prevent erosion and sediment shall be maintained during the life of the construction so as to function as they were originally designed and constructed.

13. Permanent erosion control: The erosion control facilities of the project should be designed to minimize the impact on the offsite facilities.

14. Permanent seeding: All areas which have been disturbed by construction will, as a minimum, be seeded, the seeding mix must provide both long-term vegetation and rapid growth seasonal vegetation. Slopes steeper than 4:1 shall be sodded.

Structural Practices

1. Temporary diversion dike: Temporary diversion dikes may be used to divert runoff through a sediment-trapping facility.

2. Temporary sediment trap: A sediment trap is usually installed in a drainageway at a storm drain inlet or at other points of discharge from a disturbed area. The sediment trap may be constructed either independently or in conjunction with a temporary diversion dike.

3. Outlet protection: Applicable to the outlets of all pipes and paved channel sections where the velocity of flow at design capacity of the outlet will exceed the permissible velocity of the receiving channel or area.

4. Sediment basin: Sediment basin will be constructed at the common drainage locations that serve an area with 10 or more disturbed acres at one time. The proposed storm water ponds (or temporary ponds) will be constructed for use as sediment basins. These sediment basins must provide a minimum of 3530 CU FT of storage per 1 acre drained until final stabilization of the site. The 3530 CU FT of storage area per 1 acre drained does not apply to flows from offsite areas and flows from onsite areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed area and the sediment basin. Any temporary sediment basins constructed must be backfilled and compacted in accordance with the specifications for structural fill. All sediment collected in permanent or temporary sediment traps must be removed upon final stabilization and restored to design storage capacity before final buy off of project.

Storm Water Management

The SWPPP shall be implemented prior to any construction activities.

Other Controls

Waste Disposal:

The Contractor will provide litter control and collection within the project boundaries during construction activities. All fertilizer, hydrocarbon, or other chemical containers shall be disposed of by the contractor according to EPA's standard practices as detailed by the manufacturer. No solid materials including building and construction materials shall be discharged to wetlands or surface waters.

Off-site Vehicle Tracking:

Loaded haul trucks shall be covered with tarpaulin. Excess dirt on the road shall be removed daily. Areas within the limits of construction shall be dampened with water as required for dust control.

State or Local Regulations:

The Contractor will adhere to all state and local regulations.

Application of Fertilizers and Pesticides:

Fertilizer and soil sterilizers shall not be used on this project.

Toxic Substances:

Toxic substances shall be disposed of by the contractor according to the EPA's standard practices.

Hazardous Materials:

The Contractor shall not bring any hazardous materials onto the project. Should the Contractor require such for performing the contracted work, the Contractor shall request, in writing, written permission from the Project Manager. The Contractor shall provide the Project Manager with a copy of the Material Safety Data Sheet (MSDS) for each hazardous material proposed for use on the project.

Because State law does not treat petroleum products that are properly containerized and intended for equipment use on the project as a hazardous material, such products do not need a MSDS submittal.

Any known or suspected hazardous material found on the project by the Contractor shall be immediately reported to the Project Manager, who shall direct the Contractor to protect the area of known or suspected contamination from further access. The Project Manager will arrange for investigation, identification, and remediation (removal) of the hazardous material.

The Contractor shall not return to the area of contamination until approval is provided by the Project Manager.

State and Local Plans

This project will be permitted by the Florida Department of Environmental Protection, all work shall adhere to the permitted activities and governing rules.

3.0 MAINTENANCE

The contractor will be responsible for maintenance and repairs of erosion and sediment control devices, and removal of erosion and sediment control devices after the Notice of Termination. Maintenance and repair required for the control and abatement of erosion and water pollution shall be the responsibility of the contractor.

The following practices will be used to maintain erosion and sediment controls:

All measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report. All pollution controls shall be maintained at all times. Built up sediment will be removed from staked silt fence and staked turbidity barriers when it has reached one-third the height of the fence or barrier.

4.0 INSPECTION

Pollution control measures shall be inspected daily. Written documentation of inspections shall be written within 24 hours of a rain event of 0.5 inches or greater, or at a minimum of every seven calendar days.

5.0 NON-STORMWATER DISCHARGES

De-watering, if necessary, will be discharged into temporary settling areas, areas of stabilized swales on site or the retention facilities, prior to discharge into United States waters.

The contractor will provide the Project Manager with an erosion control plan that will include spill reporting and response. If contaminated soil or groundwater is encountered, contact the Project Manager.