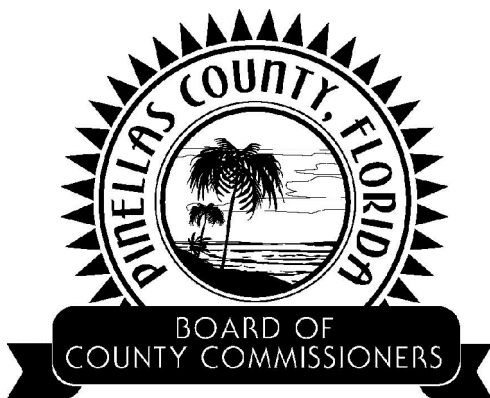


# DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE



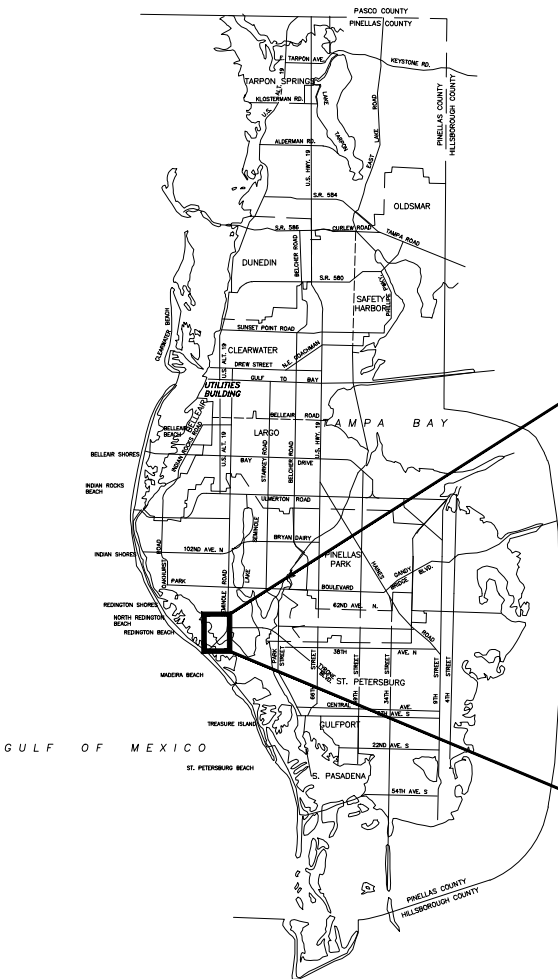
## CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST

PID 005267A

FINANCIAL PID 005267A

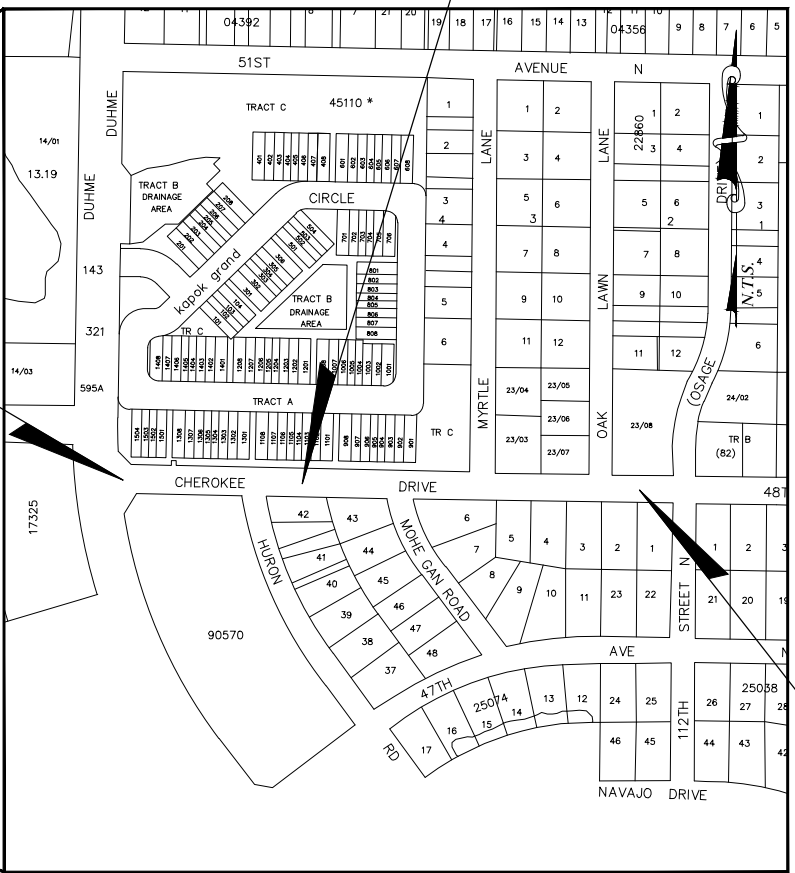


SAMPLE PLANS



LOCATION MAP

BEGIN PROJECT  
STA. 400+26.52



SECTION 03, TOWNSHIP 31 SOUTH, RANGE 15 EAST

KEY MAP  
NOT TO SCALE

PROJECT LOCATION

### INDEX OF PLANS

SHEET NO.	SHEET TITLE
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31-32	SIGNALIZATION PLANS
33	UTILITY ADJUSTMENT
01-15	TOPOGRAPHIC SURVEY

END PROJECT  
STA. 412+00

NOT FOR CONSTRUCTION

PINELLAS COUNTY  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
DIVISION OF ENGINEERING AND TECHNICAL SUPPORT  
14 SOUTH FORT HARRISON AVENUE  
CLEARWATER, FLORIDA 33756  
PHONE: (727)464-3588

PROJECT MANAGER: XXXX  
727-XXX-XXXX

SUBMITTED BY:

XXXX XXXXX  
UNIT MANAGER

RECOMMENDED FOR APPROVAL BY:

IVAN J. FERNANDEZ, P.E.  
SECTION MANAGER

APPROVED BY:

JORGE M. QUINTAS, P.E.  
DIRECTOR

PREPARED BY:

PINELLAS COUNTY  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
DIVISION OF ENGINEERING AND TECHNICAL SUPPORT

XXXX XXXXXXXX, P.E. No. XXXX-XX  
ENGINEER OF RECORD



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RELATED STANDARDS AND SPECIFICATIONS:				CLEARING AND GRUBBING												
DOCUMENT		DESCRIPTION														
D-1	FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION AND ALL SUPPLEMENTAL STANDARDS THERETO.					1.		ALL TREE TRIMMING SHALL BE DIRECTED BY THE CONTRACTOR'S CERTIFIED ARBORIST. THIS WORK SHALL BE INCLUDED AND PAID FOR UNDER THE PAY ITEM FOR THE RELATED ITEM.								
D-2	STATE OF FLORIDA "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", 2009 ("GREEN BOOK").					2.		THE CONTRACTOR SHALL ONLY REMOVE TREES DESIGNATED FOR REMOVAL IN THE PLAN, OR AS DIRECTED BY THE ENGINEER. CONTRACTOR IS TO OBTAIN THE TREE REMOVAL PERMIT FROM PINELLAS COUNTY DEI TRANSPORTATION & STORMWATER – NATURAL RESOURCES. TREE REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING, UNLESS SEPARATE PAY ITEMS ARE PROVIDED.								
D-3	FLORIDA DEPARTMENT OF TRANSPORTATION "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" 2012.					3.		WHERE EXCAVATION IS REQUIRED FOR CONSTRUCTION OF SIDEWALK, STORM STRUCTURES, AND PIPES, THE STUMPS, AND ROOTS, ETC., SHALL BE REMOVED COMPLETELY FROM THE SIDEWALK AREA. ALL STUMPS WITHIN THE PROJECT LIMITS SHALL BE REMOVED COMPLETELY AND REPLACED WITH COMPACTED BACKFILL BEFORE THE AREA IS FILLED. TREE ROOTS IN AREA OF PROPOSED SIDEWALK, RAMP, OR DRIVEWAY REPLACEMENT SHALL BE GROUND OUT TO A DEPTH OF 6" BELOW BOTTOM OF NEW SIDEWALK OR DRIVEWAY. ALL PRUNED ROOT DEBRIS SHALL BE REMOVED FROM THE SUB-BASE MATERIAL PRIOR TO POURING CONCRETE, ASPHALT, OR APPLICATION OF OTHER SPECIFIED MATERIALS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
D-4	PINELLAS COUNTY DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE (D.E.I.) "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/dei/tech-suppt.htm).					4.		ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A MINIMUM DEPTH OF 1-FOOT BELOW THE COMPLETED SURFACE. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
D-5	PINELLAS COUNTY D.E.I. "STANDARD ENGINEERING DETAILS", LATEST EDITION AVAILABLE ON-LINE (http://www.pinellascounty.org/dei/tech-suppt.htm).					5.		THE CONTRACTOR SHALL REMOVE ALL DRIVEWAYS, SIDEWALKS, CURBS, AND ALL ABANDONED UTILITY LINES, PIPES, STRUCTURES, FLUMES AND OTHER SUBTERRANEAN OBJECTS TO A MINIMUM DEPTH OF FOUR (4) FEET BELOW GRADE, OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
D-6	PINELLAS COUNTY "SPECIFICATIONS FOR HOT BITUMINOUS MIXTURES, PLANT METHODS, EQUIPMENT AND CONSTRUCTION METHODS, 2013.					6.		ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
D-7	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", 2009.					7.		THE CONTRACTOR SHALL VERIFY THE PROPER WORKING ORDER OF SPRINKLER SYSTEMS AFFECTED BY CONSTRUCTION, BOTH PRIOR TO AND AFTER CONSTRUCTION. THE CONTRACTOR WILL CAREFULLY REMOVE IN THEIR ENTIRETY AND CAP, WITHOUT DAMAGE, ANY EXISTING SPRINKLER SYSTEM LOCATED WITHIN THE RIGHT-OF-WAY, IN THE AREA TO BE CLEARED AND GRUBBED, EXCAVATED, OR TRENCHED IN PREPARATION FOR CONSTRUCTION ACTIVITIES. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING. THIS WORK SHALL BE COORDINATED AND APPROVED BY THE ENGINEER.								
D-8	FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, 2008.					8.		THE CONTRACTOR SHALL REPAIR ALL SPRINKLER SYSTEMS LOCATED ON PRIVATE PROPERTY, AND OUTSIDE THE LIMITS OF CONSTRUCTION, WHICH MAY BECOME DAMAGED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. SUCH REPAIR MUST OCCUR IN A TIMELY MANNER, BUT IN ALL CASES PRIOR TO FINAL PUNCH LIST INSPECTION OF THE PROJECT. THE COST OF THIS REPAIR IS AT THE EXPENSE OF THE CONTRACTOR.								
D-9	STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, LATEST EDITION.					9.		MAILBOXES SHALL BE RELOCATED IN ACCORDANCE WITH FDOT INDEX 532. RELOCATION OF MAILBOXES, AS REQUIRED OR WHERE CALLED OUT ON THE PLANS, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING, UNLESS THERE IS A SEPARATE PAY ITEM FOR RELOCATION OF MAILBOXES.								
NOTE: PROVISIONS OF DOCUMENT D-6 SHALL SUPERSEDE CORRESPONDING PROVISIONS OF DOCUMENT D-1 WITH RESPECT TO OPERATION AND TESTING.						10.		NO STOCK PILING OF MATERIAL IN ROADWAY OR ON SIDEWALK SHALL BE PERMITTED. ALL EXTRA DIRT AND/OR DEBRIS SHALL BE REMOVED DAILY AS A PART OF THE DAILY CLEAN UP. THE ROADWAY AND SIDEWALKS SHALL BE SWEEPED DAILY. ALL COSTS FOR DAILY CLEAN UP AND SWEEPING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
						11.		ALL ABANDONED PIPES AND STRUCTURES WITHIN LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED ON THE PLANS. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.								
								12. ALL EXISTING PIPES THAT ARE TO REMAIN IN SERVICE WITHIN THE RIGHT-OF-WAY CORRIDOR ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.								
								DRAINAGE								
								13. POLYVINYL CHLORIDE PIPE, (P.V.C.) 6" TO 36", MUST CONFORM TO A.S.T.M. F 949.								
								14. STATION LOCATIONS FOR STORM DRAIN INLETS AND MANHOLES REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. FOR PIPES WITH MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MITERED END SECTION. PAYMENT FOR PIPE SHALL NOT INCLUDE THE LENGTH OF THE MITERED END SECTION, AS SPECIFIED BY DIMENSION "F" AS SHOWN IN FDOT INDEX 272 AND 273. PAYMENT SHALL BE FROM INSIDE STRUCTURE WALL TO INSIDE STRUCTURE WALL, INCLUDING STRAIGHT OR U TYPE WALLS. ANY EXTRA PIPE LENGTH LISTED SHALL BE CONSIDERED CONTINGENT.								
								15. CONFLICTS OF WATER OR SANITARY SEWER FORCE MAIN LINES WITH SANITARY GRAVITY LINES OR STORM SEWER SYSTEMS ARE TO BE RESOLVED BY ADJUSTING WATER OR FORCE MAIN LINES AS NECESSARY.								
								16. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE JOINT DEFLECTION SHALL NOT EXCEED 80% OF THE MAXIMUM VALUES SPECIFIED IN AWWA C-600-82 OR 80% OF THE PIPE MANUFACTURER'S MAXIMUM RECOMMENDED DEFLECTION, WHICHEVER IS MORE STRINGENT.								
								17. THE ITEM FOR RIP RAP RUBBLE SHALL USE NATURAL BROKEN STONE AS REQUIRED IN PINELLAS COUNTY DEI "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION" SECTION 530-2000. THE MINIMUM THICKNESS SHALL BE 18" UNLESS OTHERWISE SHOWN IN THE PLANS. BROKEN CONCRETE SHALL NOT BE ACCEPTED OR USED.								
								18. UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PINELLAS COUNTY STANDARD ENGINEERING DETAILS, INDEXES 1281, 1282, AND 1290.								
								19. UNDERDRAIN CLEAN-OUT PLUGS SHALL BE INSTALLED IN THE UPSTREAM ENDS OF UNDERDRAINS WHEREVER THE UPSTREAM END IS CONNECTED TO A STORM WATER INLET STRUCTURE OR JUNCTION BOX. UNDERDRAIN PLUGS SHALL BE "T-GRIPPER MECHANICAL PLUGS WITHOUT BYPASS" OR APPROVED EQUAL, AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNDERDRAIN PIPE.								
								20. ALL STORM SEWER INLET, MANHOLE AND JUNCTION BOX COVER LIDS SHALL BE FABRICATED AND STAMPED AS DETAILED IN THE PINELLAS COUNTY STANDARD ENGINEERING DETAILS, INDEX 1250, UNLESS SPECIFIED OTHERWISE IN THE PLANS.								
								21. ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN ANY SIDEWALK OR PAVED AREA SHALL BE U.S.F. TYPE X OR EQUAL. COVERS OUTSIDE SIDEWALK OR PAVED AREA SHALL BE U.S.F. TYPE BJ OR EQUAL.								
								22. IN ACCORDANCE WITH FDOT INDEX 205 AND FDOT STANDARD SPECIFICATION – SECTION 449, ALL PROPOSED STORM DRAIN PIPES WILL BE REINFORCED CONCRETE (RCP) CLASS III UNLESS OTHERWISE SPECIFIED.								
								23. ALL GRATES FOR DITCH BOTTOM INLETS ARE TO BE HOT DIPPED GALVANIZED STEEL, AFTER FABRICATION, PER FDOT INDEX 232 AND 233, AND SHALL BE SECURED TO THE STRUCTURES PER PINELLAS COUNTY STANDARD CONSTRUCTION DETAILS, INDEX 1295. ALL INLET STRUCTURES WITHIN RIGHT-OF-WAY OR IN AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE DESIGNED FOR H-20 LOADING.								
								24. ALL DITCH BOTTOM INLETS SHALL BE MODIFIED WITH "THIN WALL PRECAST OPTION" AS SHOWN IN FDOT INDEX 201, UNLESS FIELD CONDITIONS REQUIRE CAST IN PLACE STRUCTURES.								
								25. THE COST ASSOCIATED WITH THE USE OF CONCRETE/CLOTH PIPE JACKETS/COLLARS AS PER LATEST FDOT SPECIFICATION SHALL BE INCIDENTAL TO THE WORK BEING PERFORMED AND SHALL NOT BE PAID FOR SEPARATELY.								
								26. DIMENSION FOR ALL DRAINAGE STRUCTURES (I.E., INLETS, MANHOLES, JUNCTION BOXES, ECT.) ARE PROVIDED IN THE PLANS. THE CONTRACTOR MAY, AT NO ADDITIONAL COST TO THE COUNTY, CONSTRUCT DRAINAGE STRUCTURES WITH LARGER DIMENSIONS THAN THOSE SHOWN IN THE PLANS, IF THE LARGER DIMENSIONS DO NOT RESULT IN A CONFLICT WITH UTILITIES, OTHER CONSTRUCTION ITEMS OF ACTIVITIES AND IF THE CONTRACTOR HAS THE DRAINAGE STRUCTURE DESIGN (WITH LARGER DIMENSIONS) CERTIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER (REGISTERED IN THE STATE OF FLORIDA). IF THE LARGER DIMENSIONS CREATE A CONFLICT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMEDY, AT NO ADDITIONAL COST TO THE COUNTY. APPROVAL OF THE SHOP DRAWINGS (FOR THE LARGER DRAINAGE STRUCTURES) BY THE ENGINEER OF RECORD OR COUNTY SHALL NOT RELIEVE THE CONTRACTOR FROM THEIR OBLIGATION TO REMEDY CONFLICTS AT THE CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL COST TO THE COUNTY.								
								EXCAVATION AND GRADING								
								27. ALL SUB-BASES SHALL BE GOOD, CLEAN, ACCEPTABLE MATERIAL COMPACTED TO MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99, IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.								
								28. THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS IMMEDIATELY AFTER FINAL GRADE HAS BEEN ATTAINED IN ACCORDANCE WITH THE CURRENT FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, 2008.								
								29. ALL SLOPES STEEPER THAN 3:1 SHALL INCLUDE SOD STAPLING OR STAKING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SODDING (SY).								
								30. FINAL GROUND COVER FOR ALL AREAS OF EXPOSED EARTH RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE SODDED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. SEEDING SHALL NOT BE USED AS FINAL GROUND COVER EXCEPT WHERE SPECIFICALLY SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.								
								31. THE CONTRACTOR SHALL BACKFILL AREAS TO BE SODDED WITH CLEAN FILL TO MAINTAIN PROPER GRADE OF PLANTING AREAS, AND THE SOD SHALL BE PROPERLY CUT-IN AND TAMPED, THE COST OF WHICH IS INCLUDED IN THE UNIT PRICE BID FOR SODDING (SY).								
								32. SOD STABILIZATION SHALL OCCUR IMMEDIATELY AFTER ACHIEVING FINAL GRADE. ALL SLOPES STEEPER THAN 3:1 SHALL INCLUDE SOD STAPLING OR STAKING, THE COST OF WHICH IS INCLUDED IN THE UNIT PRICE BID FOR SODDING (SY).								
								33. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES OR TO MINIMIZE TRENCH WIDTH. THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED.								
								34. UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE, AT A SUITABLE SITE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PERMITS AND PERMITTING FEES REQUIRED FOR THE TRANSPORT AND DISPOSAL OF UNSUITABLE MATERIAL.								
								35. ALL EXCESS EXCAVATED SUITABLE AND UNSUITABLE MATERIAL NOT CLAIMED BY THE COUNTY SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THE COST FOR DISPOSAL, HAULING, AND OTHER COSTS INCURRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR GRADING (LUMP SUM).								
								36. BORROW MATERIAL REQUIRED FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR FROM BORROW AREAS PROVIDED BY THE CONTRACTOR.								
								37. EXCEPT FOR THE COST OF EXCAVATING UNSUITABLE MATERIAL AND THE COST OF FURNISHING, PLACING, AND COMPACTING FILL TO REPLACE UNSUITABLE MATERIAL, THE CONTRACT PRICE FOR GRADING SHALL INCLUDE THE COST OF ALL EMBANKMENT AND EXCAVATION, GRADED CONNECTIONS, FINAL DRESSING, AND SIMILAR EARTHWORK OPERATIONS REQUIRED FOR THE COMPLETION OF THE PROJECT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.								
				DESIGNED XXX		 DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756		PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST		DESCRIPTION: GENERAL NOTES		APPROVED BY: _____ DATE _____ XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX		DATE: 2013/2014		
				PROJECT NO. 005267A												
				SHEET: 03 OF 37												
REV. NO. DATE		DESCRIPTION		REV. BY												



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TEMPORARY TRAFFIC CONTROL

84. THE COST OF MAINTENANCE OF TRAFFIC OPERATIONS SHALL BE INCLUDED UNDER THE COST FOR THAT ITEM, UNLESS OTHERWISE SPECIFIED IN THE SPECIFICATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARY PAINTED PAVEMENT MARKINGS OR PAINTED PAVEMENT MARKINGS ON MILLED SURFACES OR ANY SURFACES THAT ARE COVERED UP BY A SURFACE COURSE OF ASPHALTIC CONCRETE. THE COST OF THESE MARKINGS SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC OPERATIONS COST WHICH IS INCLUDED IN THE COST OF THE INDIVIDUAL PROJECT PAY ITEMS.
85. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE MOVEMENT OF PEDESTRIANS AND VEHICLES THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING DELIVERIES AND DROP-OFFS IN WORK ZONES. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND DESIGN STANDARDS, INDEX SERIES 600", AS AMENDED BY THE SPECIFICATIONS FOR THIS PROJECT.
86. THE SEQUENCE OF CONSTRUCTION AND METHODS DESCRIBED IN THIS PLAN SET, IF PROVIDED, IS A SUGGESTED MAINTENANCE OF TRAFFIC SCHEME. THE CONTRACTOR HAS THE OPTION, AT HIS EXPENSE, TO SUBMIT FOR APPROVAL TO THE PINELLAS COUNTY D.E.I. - TRAFFIC ENGINEERING DIVISION, HIS OWN "TRAFFIC CONTROL THROUGH WORK ZONE" PLANS, PRIOR TO CONSTRUCTION. ALL CONTRACTOR PROPOSED TRAFFIC CONTROL PLANS/SCHEMES MUST BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, AND SHALL BE IN ACCORDANCE WITH FDOT INDEX 600 SERIES REQUIREMENTS.
87. ACCESS TO ALL SIDE STREETS AND DRIVEWAYS SHALL BE CONTINUOUSLY MAINTAINED FOR THE DURATION OF THE PROJECT, UNLESS PREVIOUSLY APPROVED BY PINELLAS COUNTY TRAFFIC ENGINEERING.
88. UPON WRITTEN APPROVAL BY PINELLAS COUNTY, THE CONTRACTOR MAY CLOSE PORTIONS OF SIDE STREETS WITHIN THE LIMITS OF CONSTRUCTION TO THRU-TRAFFIC. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF IT BECOMES NECESSARY DURING CONSTRUCTION TO TEMPORARILY PROHIBIT ACCESS TO LOCAL TRAFFIC, THE CONTRACTOR SHALL, ON EACH SEPARATE OCCASION, NOTIFY ALL AFFECTED PROPERTY OWNERS AND AREA EMERGENCY SERVICES AT LEAST THREE DAYS (72 HOURS) IN ADVANCE.
89. FOR SIDE STREET INTERSECTIONS, LANE CLOSURES SHALL BE LIMITED TO ONE LANE AT ALL TIMES. AT A MINIMUM, ONE-LANE, TWO-WAY OPERATION SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS. TWO-LANE, TWO-WAY OPERATION SHALL BE MAINTAINED DURING PERIODS OF LANE CLOSURE RESTRICTIONS, AND WHEN CONSTRUCTION ACTIVITIES ARE BEYOND THE LIMITS OF THE INTERSECTIONS.
90. DURING PERIODS OF LANE CLOSURES, THE CONTRACTOR SHALL PROVIDE A FDOT-CERTIFIED WORK SITE TRAFFIC SUPERVISOR FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TRAFFIC CONTROL DEVICES (E.G. BARRICADES, SIGNS, ARROW PANELS, ETC.) AS OUTLINED IN THE FDOT STANDARD SPECIFICATIONS AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
91. THE CONTRACTOR SHALL NOTIFY ALL LOCAL LAW ENFORCEMENT PRIOR TO A LANE CLOSURE THAT WILL EXCEED TWO HOURS.
92. WHEN CONSTRUCTION EQUIPMENT IS BEING DRIVEN OR TRANSPORTED ON THE OPEN TRAVEL LANES, THE CONTRACTOR SHALL UTILIZE FDOT INDEX NUMBER 607 AND 619 AS APPROPRIATE.

93. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT OR REMOVE LANE CLOSURE OR CHANNELIZATION. UNDER THESE CONDITIONS, THE CONTRACTOR SHALL RESPOND AND PROVIDE ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL ALSO RESPOND WITH THE CONSTRAINTS OUTLINED IN THE STANDARD SPECIFICATIONS UPON NOTIFICATION BY THE ENGINEER TO ANY REQUESTS FOR CORRECTION, IMPROVEMENT, OR MODIFICATION TO THE TRAFFIC CONTROL PLAN AND/OR DEVICES. THE COST OF THIS SERVICE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MAINTENANCE OF TRAFFIC, LUMP SUM.

UTILITIES

94. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED, OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES. THE OWNERS HAVING LINES AND FACILITIES ARE INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
- BRIGHTHOUSE NETWORKS  
CLEARWATER GAS SYSTEMS  
DUKE ENERGY  
VERIZON FLORIDA, INC.  
WIDE OPEN WEST (WOW) INTERNET, CABLE, AND PHONE  
PINELLAS COUNTY DEI, DIVISION OF WATER & SEWER  
PINELLAS COUNTY DEI, DIVISION OF TRANSPORTATION & STORMWATER  
CITY OF XXXXXXXXXXXX
95. ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT - PROCEED WITH CAUTION - THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION & SAFETY. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT. THE CONTRACTOR SHALL FURTHER COORDINATE WITH UTILITY OWNERS TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S FAILURE TO CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS.
96. THE CONTRACTOR IS REQUIRED TO COORDINATE AND/OR PROVIDE FOR THE BRACING/SUPPORT OF EXISTING UTILITY POLES WITH THE UTILITY OWNERS, PRIOR TO THE COMMENCEMENT OF EXCAVATION/CONSTRUCTION ACTIVITIES.
97. THE CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES AS REQUIRED TO ISOLATE PIPELINES INSTALLED UNDER THIS CONTRACT FOR THE PERFORMANCE OF TESTING UNDER THIS CONTRACT. LIKEWISE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN WASTEWATER SERVICE THROUGHOUT THE CONSTRUCTION PERIOD.
98. ALL EXISTING WATER MAINS, SANITARY SEWER LINES, WATER/SEWER PUMP STATIONS AND OTHER UTILITIES SHALL REMAIN IN SERVICE UNTIL THE RELOCATED UTILITIES ARE PLACED IN SERVICE. COORDINATE ALL UTILITY RELATED CONSTRUCTION ACTIVITIES WITH THE OWNER OF THESE UTILITIES.
99. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY WILL BE IN ACCORDANCE WITH THE PRACTICES REQUIRED BY PINELLAS COUNTY LAND DEVELOPMENT CODE, ARTICLE V, SECTION 170-266 THROUGH 170-276, ALONG WITH THE FDOT UTILITY ACCOMMODATION MANUAL.
100. CONTRACTOR WILL NOTIFY THE RESPONSIBLE UTILITY FOR RELOCATION OF METER BOXES FOR DRINKING WATER AND RECLAIMED WATER SERVICES.
101. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY WILL BE IN ACCORDANCE WITH THE PRACTICES REQUIRED BY PINELLAS COUNTY LAND DEVELOPMENT CODE, CHAPTER 170, ARTICLE V, SECTION 170-266 THROUGH 170-276, ALONG WITH THE FDOT UTILITY ACCOMMODATION MANUAL.
102. CONTRACTOR WILL NOTIFY THE RESPONSIBLE UTILITY FOR RELOCATION OF METER BOXES FOR DRINKING WATER AND RECLAIMED WATER SERVICES.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED   XXX  
DRAWN       XXX  
CHECKED     XXX



DIVISION OF ENGINEERING  
AND TECHNICAL SUPPORT  
14 S. FT. HARRISON AVE., CLEARWATER, FL 33756

PROJECT:  
CHEROKEE DRIVE  
ROADWAY IMPROVEMENTS  
FROM DUHME RD TO 112TH ST

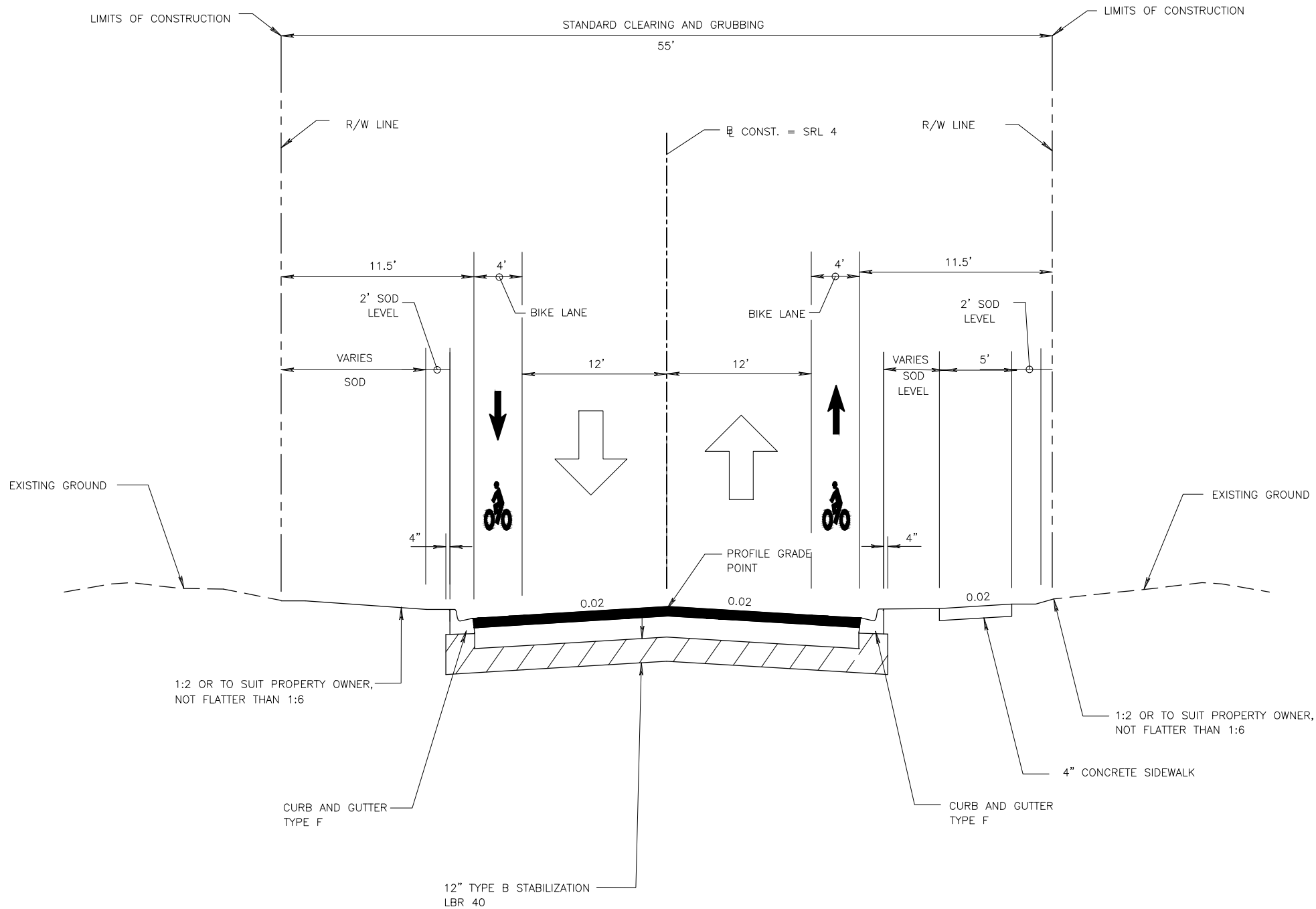
DESCRIPTION:  
  
GENERAL NOTES

APPROVED BY:  
  
\_\_\_\_\_  
XXXX XXXXXXXX, P.E.  
FLA. REG. NO XXXX-XX

DATE  
\_\_\_\_

DATE: 2013/2014  
PROJECT NO. 005267A  
SHEET: 05 OF 37

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TRAFFIC DATA


CURRENT YEAR = 1998 AADT = 6800  
ESTIMATED OPENING YEAR = 2000 AADT = 7600  
ESTIMATED DESIGN YEAR = 2020 AADT = 12000  
K = 6% D = 55% T = 2% (24 HOUR)  
DESIGN HOUR T = 1%  
DESIGN SPEED = 45 MPH

TYPICAL SECTION  
CHEROKEE DRIVE  
STA. 400+26.52 TO  
STA. 412+00.00

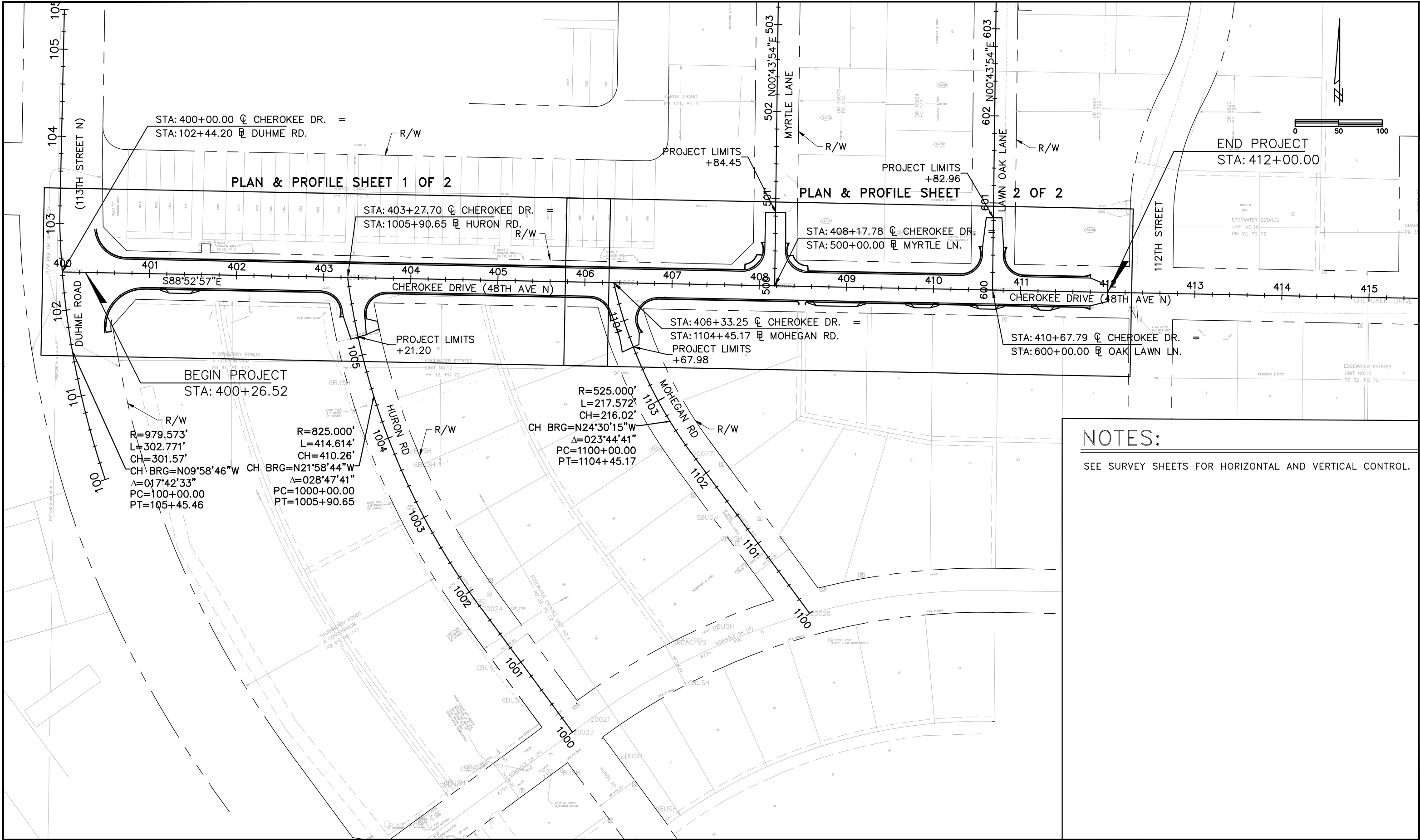
NEW CONSTRUCTION

OPTIMAL BASE GROUP 8 (CRUSHED CONCRETE) WITH  
2" MIN. TYPE SP 9.5 (FINE)(TRAFFIC C)


N.T.S.

				DESIGNED	LDS	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</div> <div>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: TYPICAL SECTION	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	LDS						PROJECT NO.	005267A
				CHECKED	J.W.						SHEET:	06 OF 37
REV. NO.	DATE	DESCRIPTION				REV. BY						

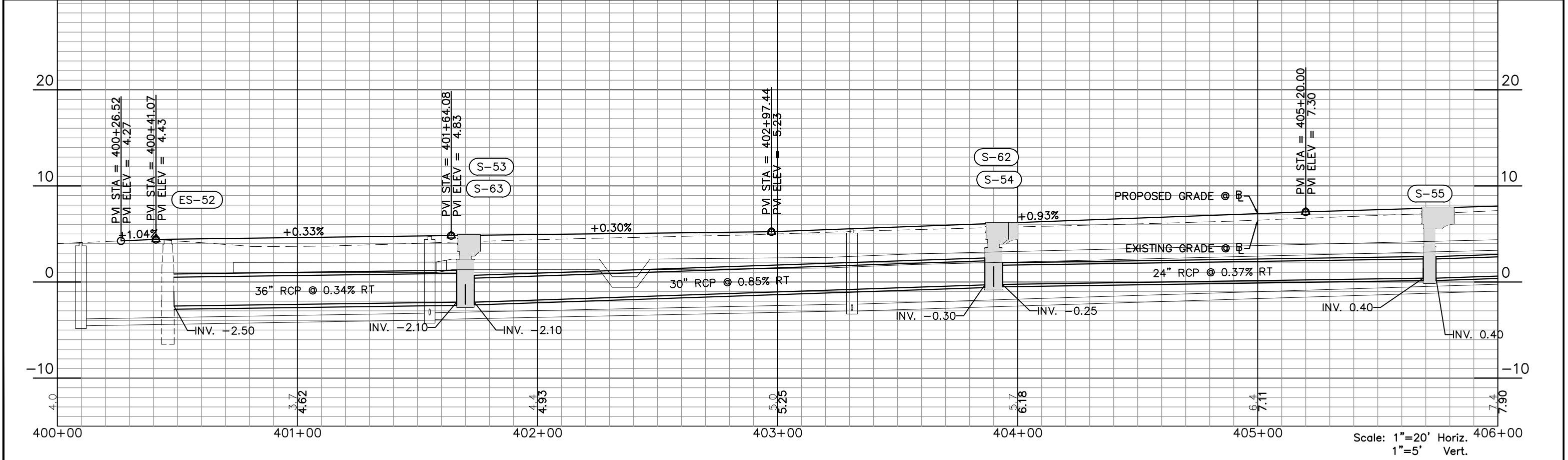
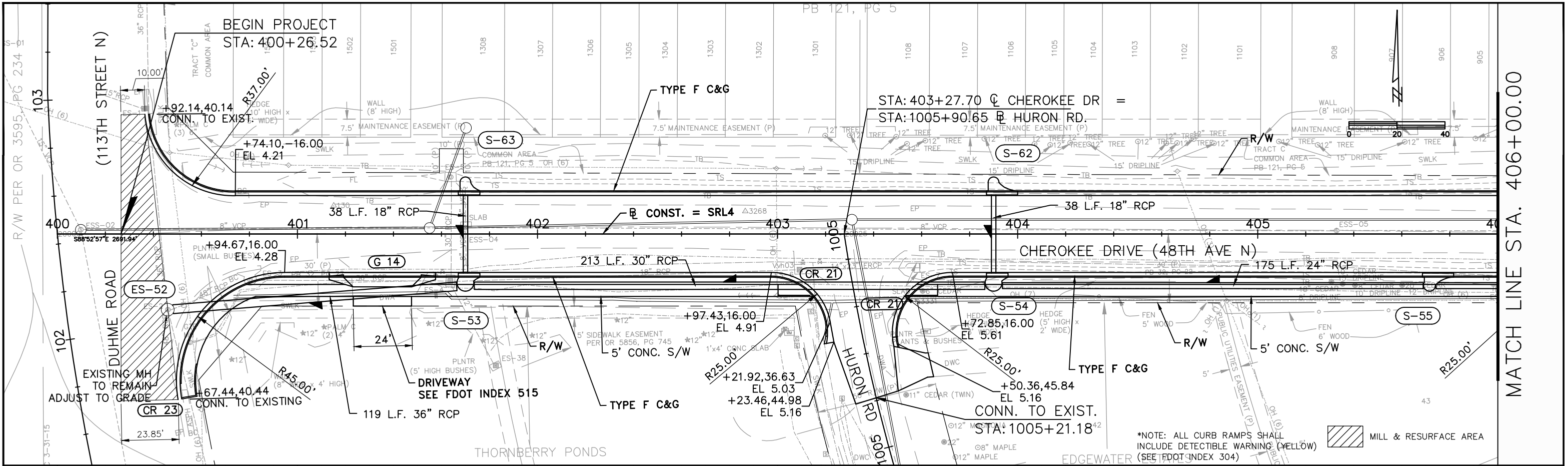
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NOTES:  
SEE SURVEY SHEETS FOR HORIZONTAL AND VERTICAL CONTROL.

				DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  LAYOUT PLAN	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
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REV. NO.	DATE	DESCRIPTION		REV. BY									

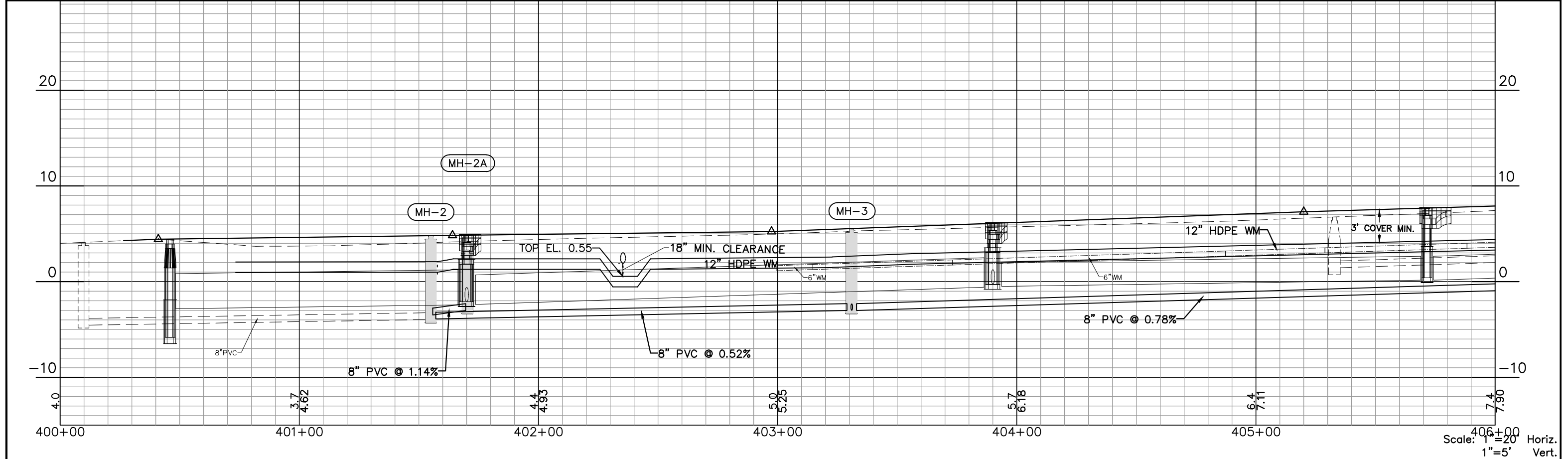
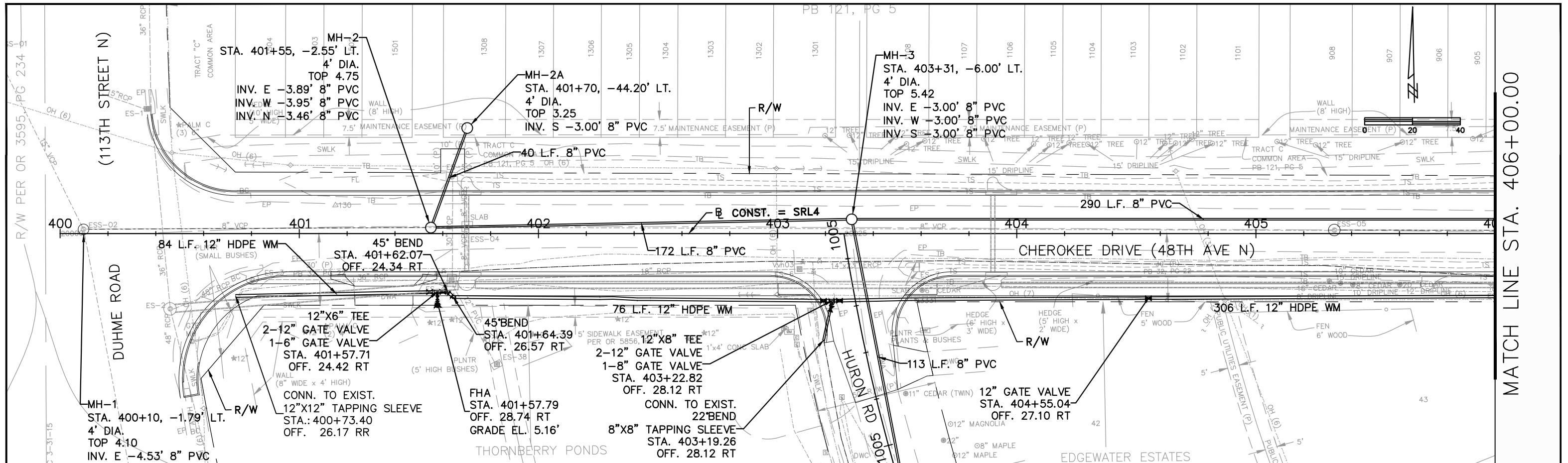
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				DESIGNED	LDS	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: PLAN & PROFILE STA.400+00 TO STA.406+00	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE: 2013/2014	
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				CHECKED	JW						SHEET: 08 OF 33
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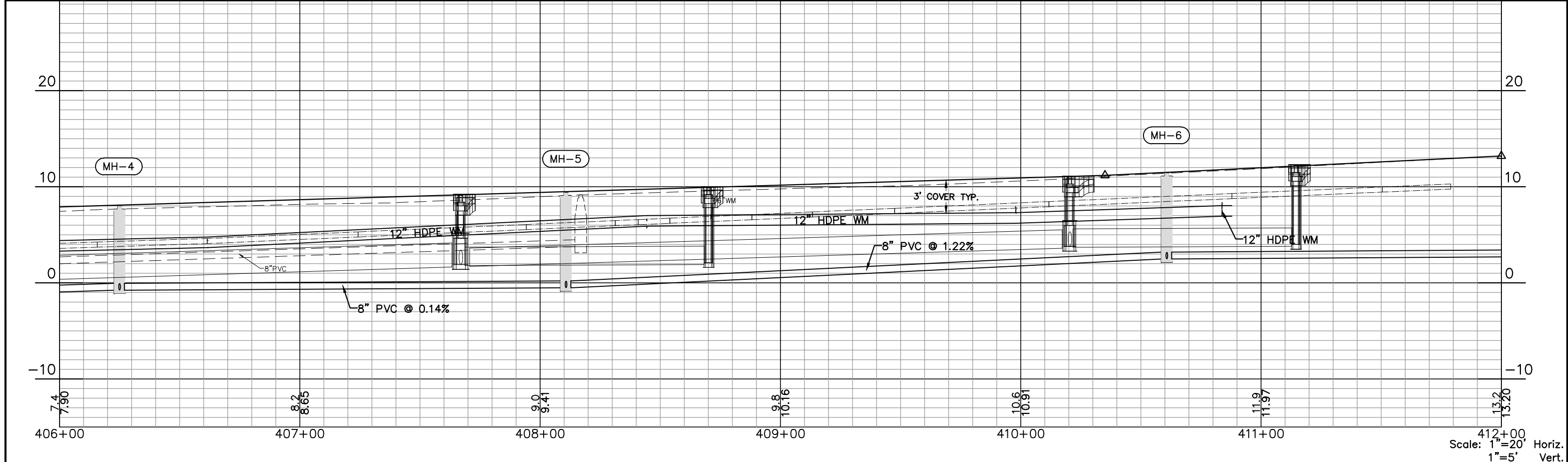
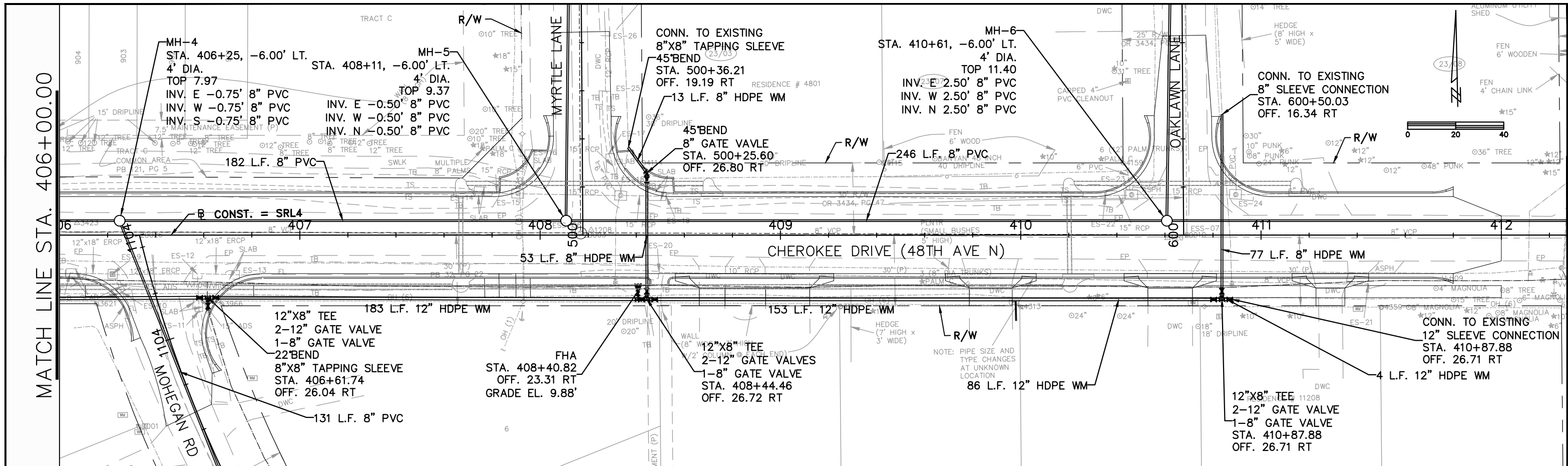



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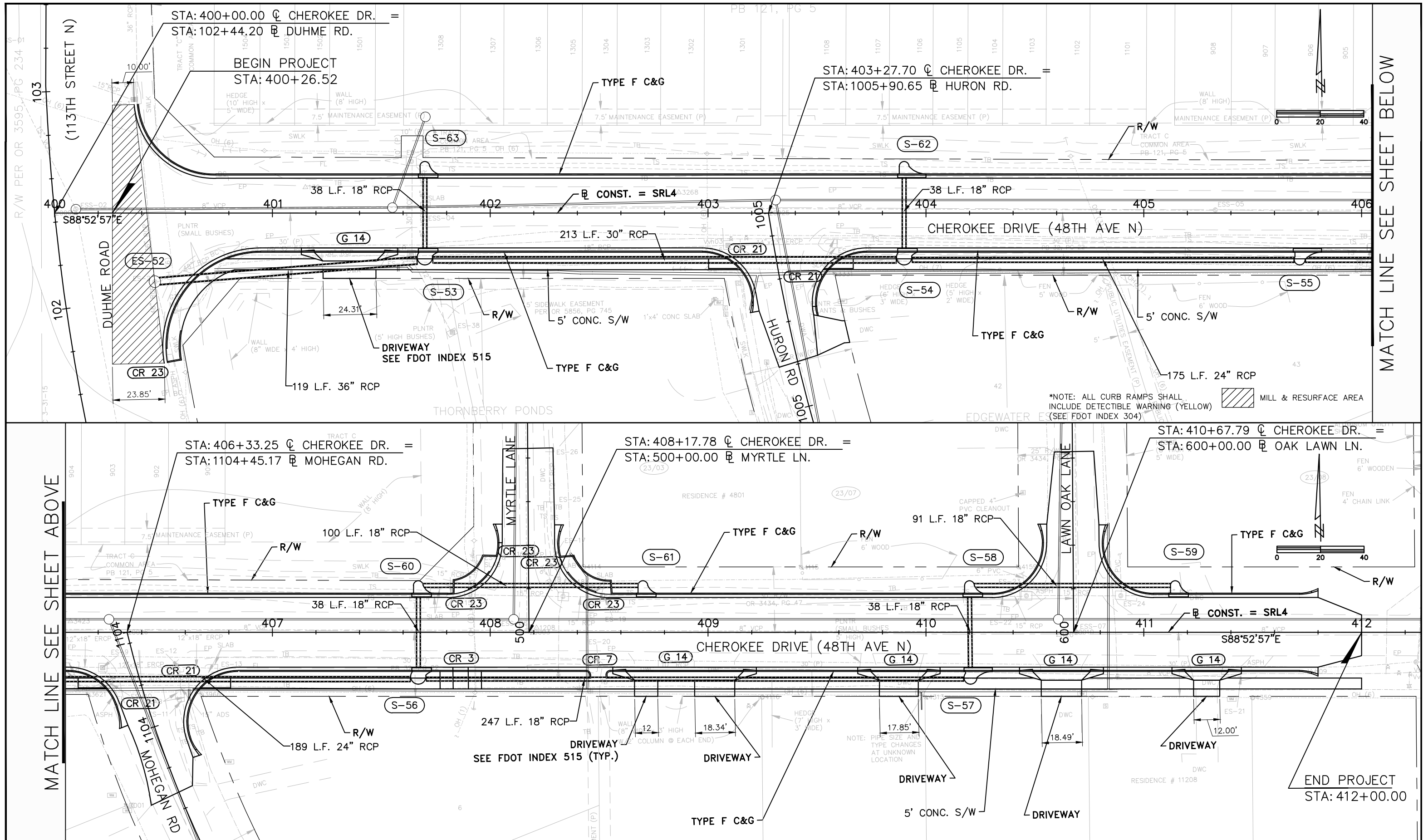
				DESIGNED	LDS	 <div>PINELLAS County</div> <div>ENVIRONMENT AND INFRASTRUCTURE</div>	DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: PROPOSED SANITARY & WATER PLAN & PROFILE STA. 400+00 TO STA. 406+00	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
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REV. NO.	DATE	DESCRIPTION	REV. BY										


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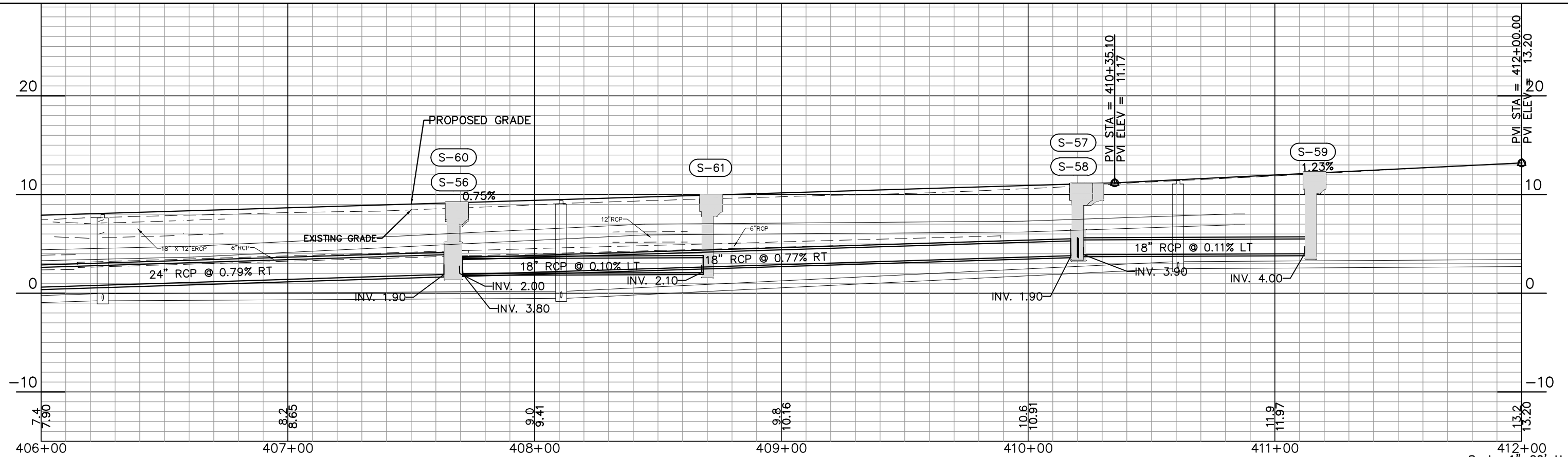
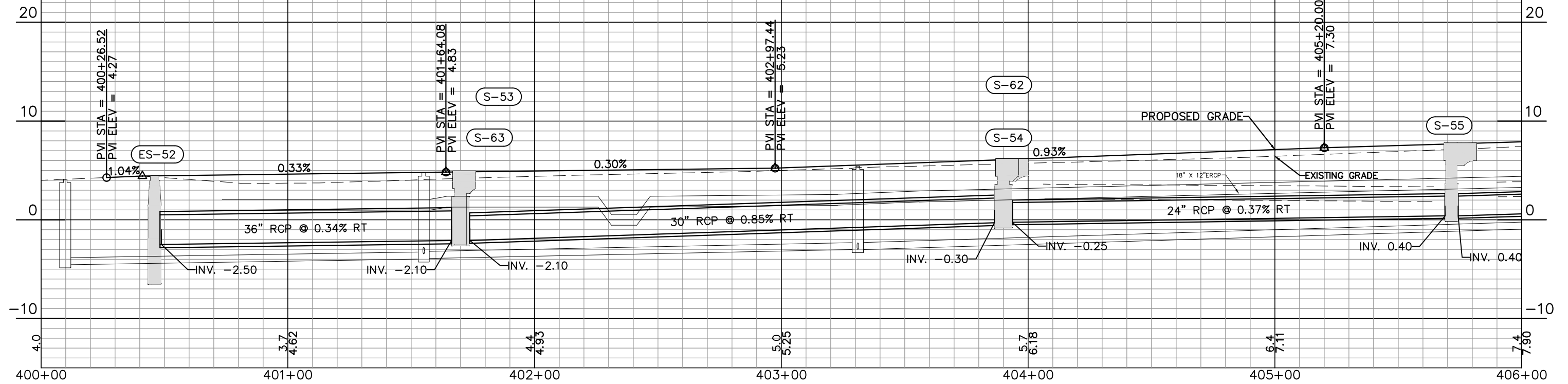
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REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JW						SHEET:	11 OF 33

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				DESIGNED	LDS	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</div> <div>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  PLAN VIEW ONLY	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	LDS						PROJECT NO.	005267A
				CHECKED	JW						SHEET:	12 OF 33
REV. NO.	DATE	DESCRIPTION		REV. BY								

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Scale: 1"=20' Horiz.  
1"=5' Vert.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	LDS
DRAWN	LDS
CHECKED	JW



DIVISION OF ENGINEERING  
AND TECHNICAL SUPPORT  
14 S. FT. HARRISON AVE., CLEARWATER, FL 33756

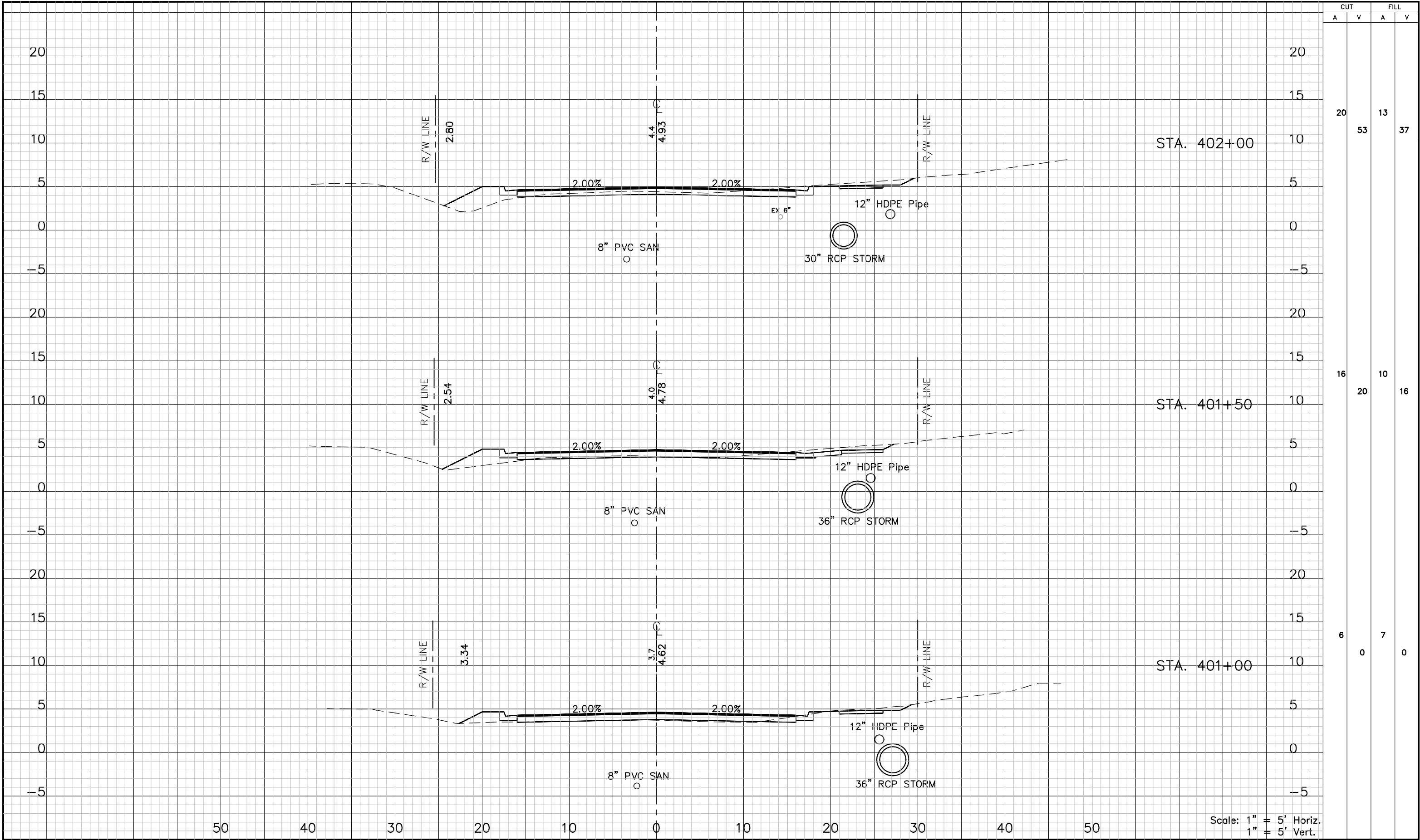
PROJECT: CHEROKEE DRIVE  
ROADWAY IMPROVEMENTS  
FROM DUHME RD TO 112TH ST


DESCRIPTION: PROPOSED STORM  
PROFILE VIEW ONLY

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
XXXX XXXXXXXX, P.E.  
FLA. REG. NO XXXX-XX

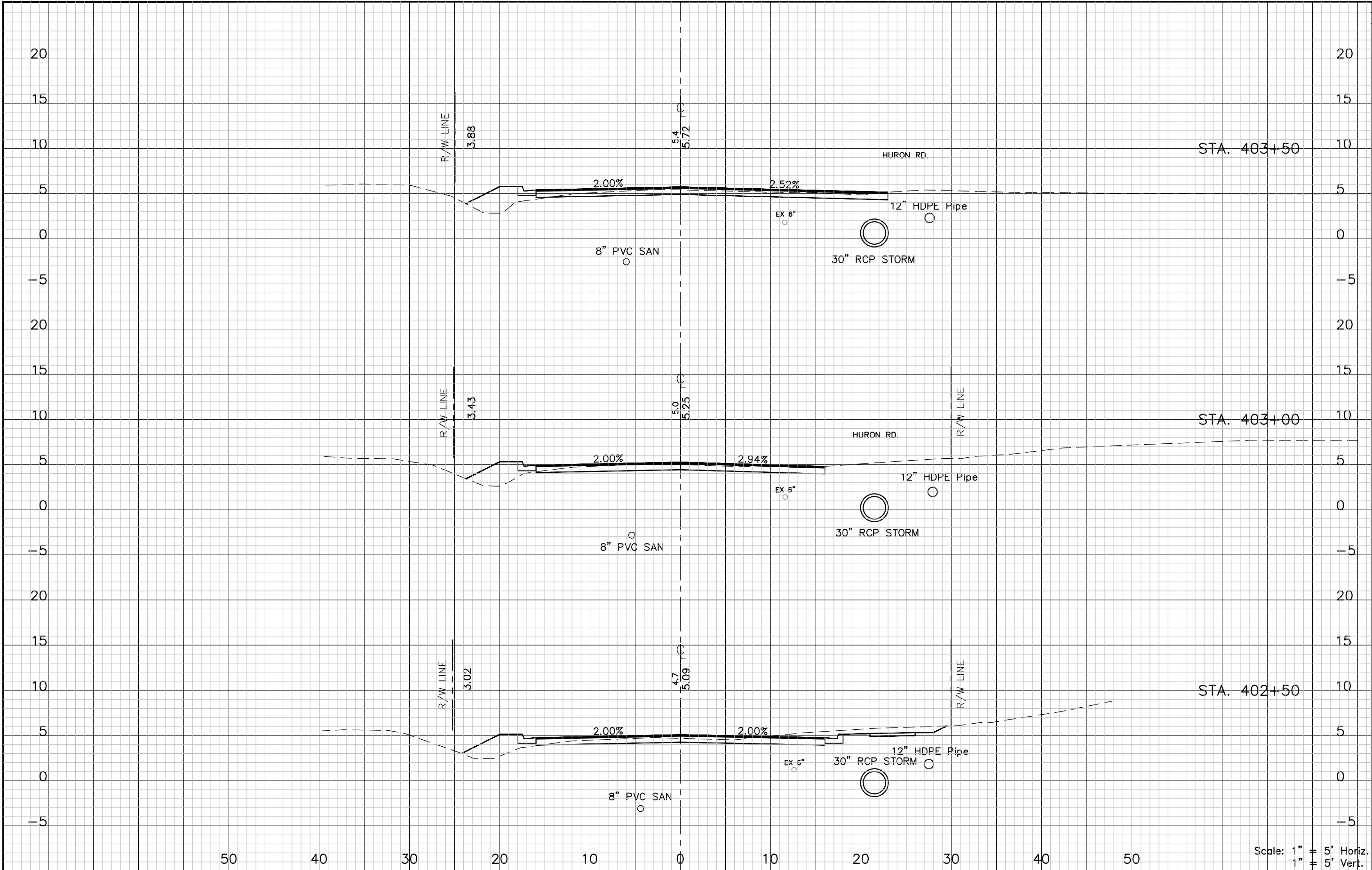
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SHEET: 13 OF 33

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				DESIGNED	XXX	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</div> <div>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE	DATE: 2013/2014
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				CHECKED	XX						SHEET: 14 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY								

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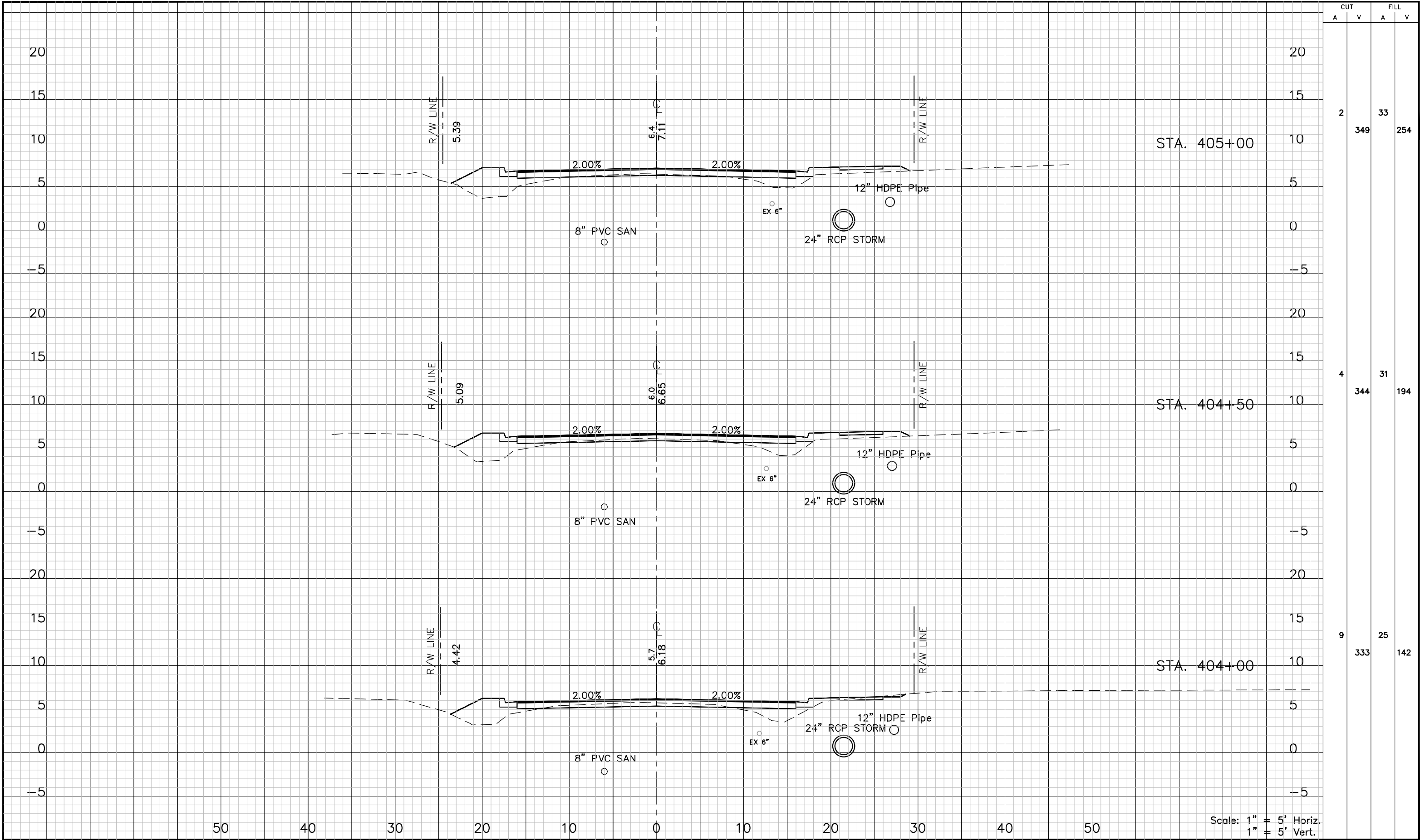


CUT		FILL	
A	V	A	V
83	248	14	106
25	148	12	82
29	98	12	60


Scale: 1" = 5' Horiz.  
1" = 5' Vert.

DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE:	2013/2014
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CHECKED	XX						SHEET:	15 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY					

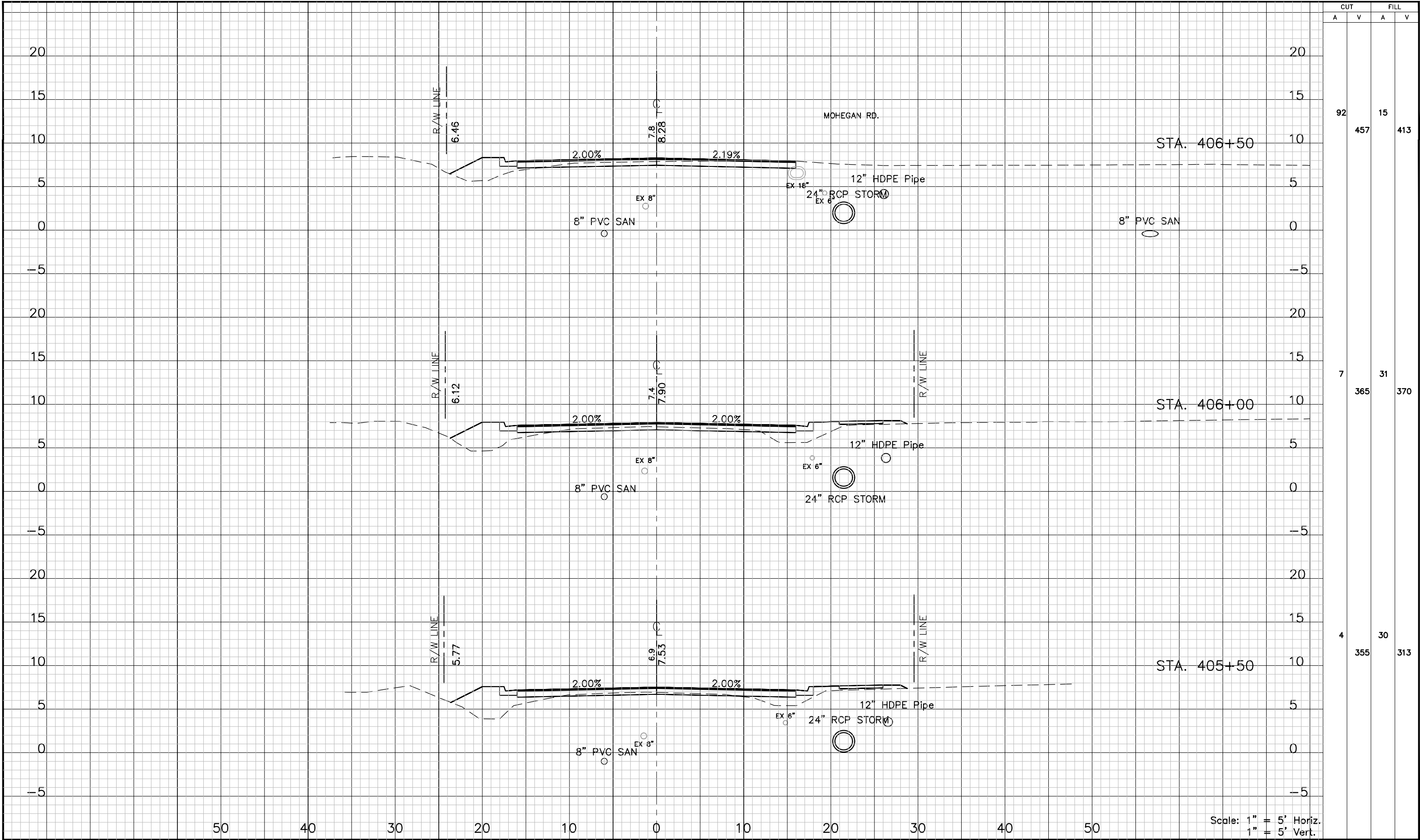
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CUT		FILL	
A	V	A	V
2	349	33	254
4	344	31	194
9	333	25	142

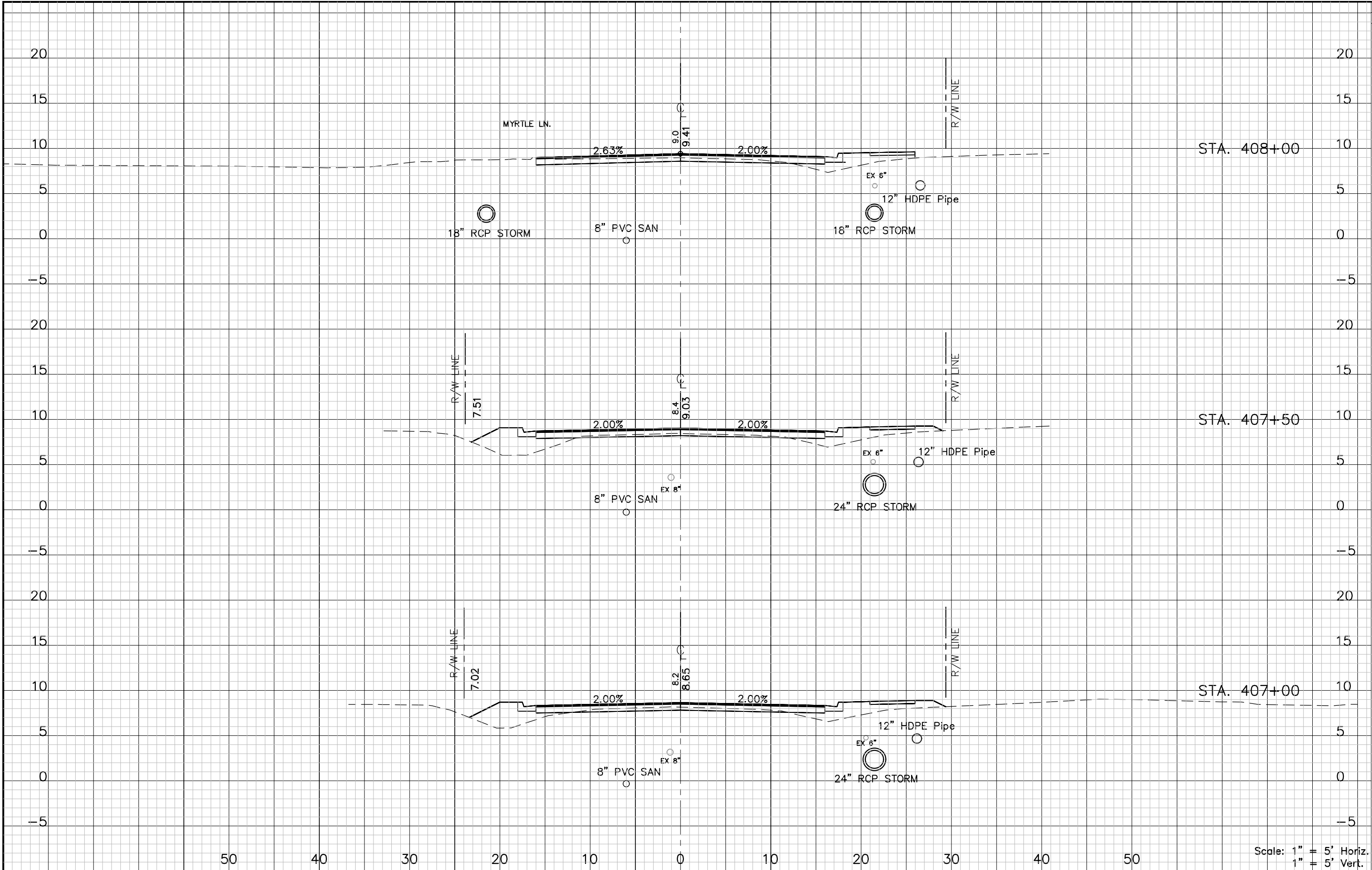
DESIGNED	XXX	 <b>PINELLAS COUNTY</b> ENVIRONMENT AND INFRASTRUCTURE	<b>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</b> 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
DRAWN	XXX							PROJECT NO.	005267A
CHECKED	XX							SHEET:	16 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY						

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				DESIGNED	XXX	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</div> <div>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  _____ XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE:	2013/2014
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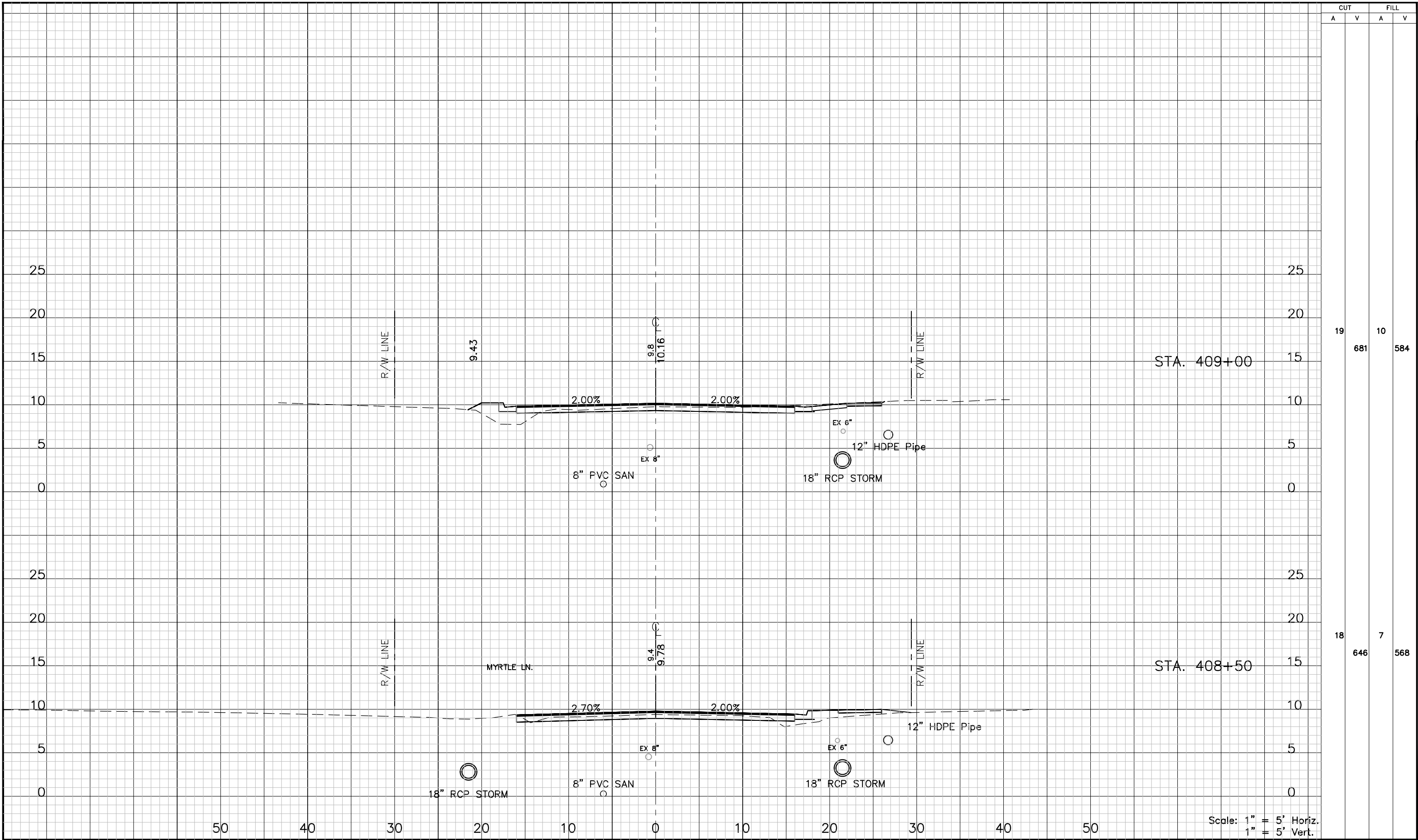
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CUT		FILL	
A	V	A	V
35	596	11	552
5	559	32	512
7	548	30	454

DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE:	2013/2014
DRAWN	XXX						PROJECT NO.	005267A
CHECKED	XX						SHEET:	18 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY	Scale: 1" = 5' Horiz. 1" = 5' Vert.				

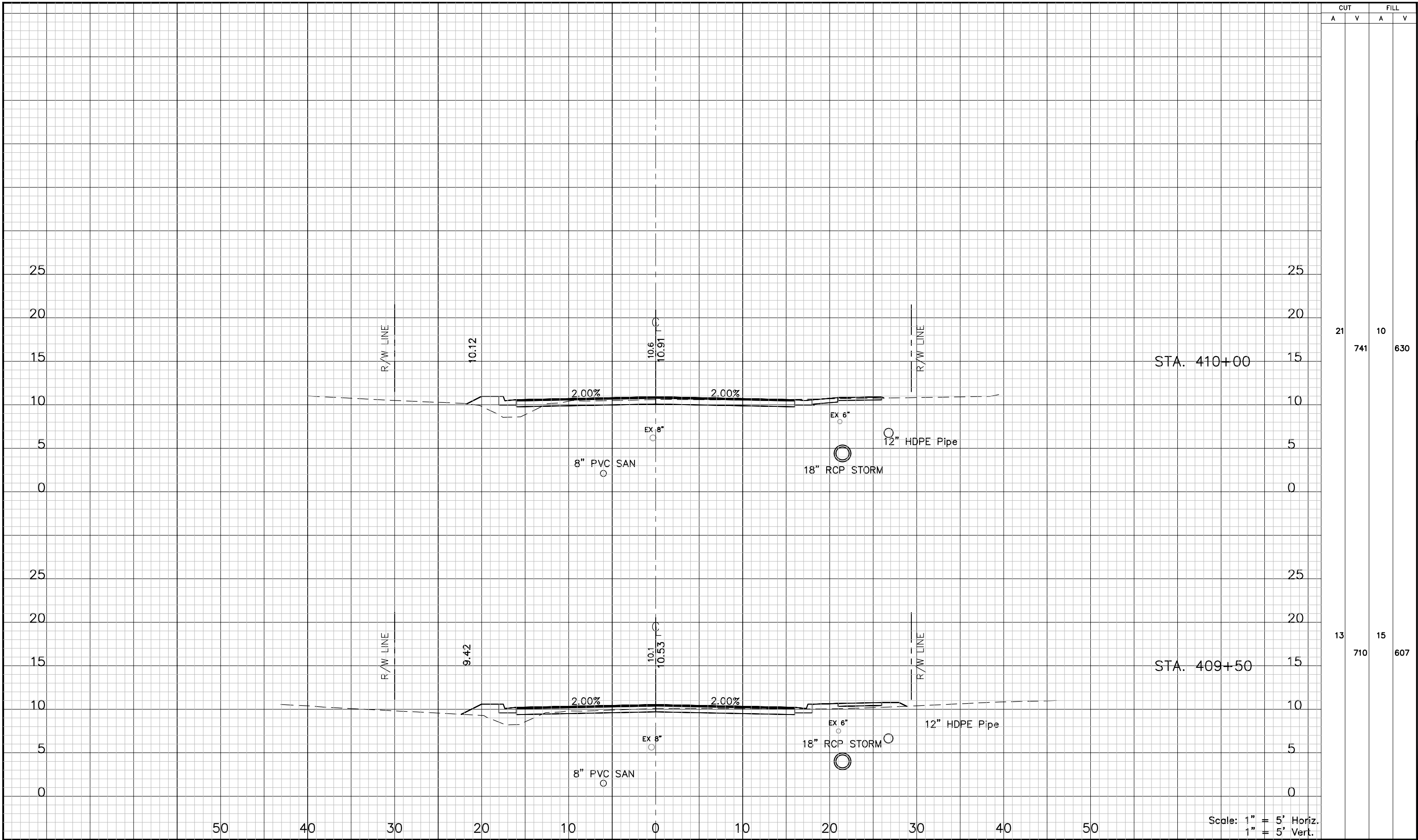
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CUT		FILL	
A	V	A	V
19	681	10	584
18	646	7	568

DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXX P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
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CHECKED	XX							SHEET:	19 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY						

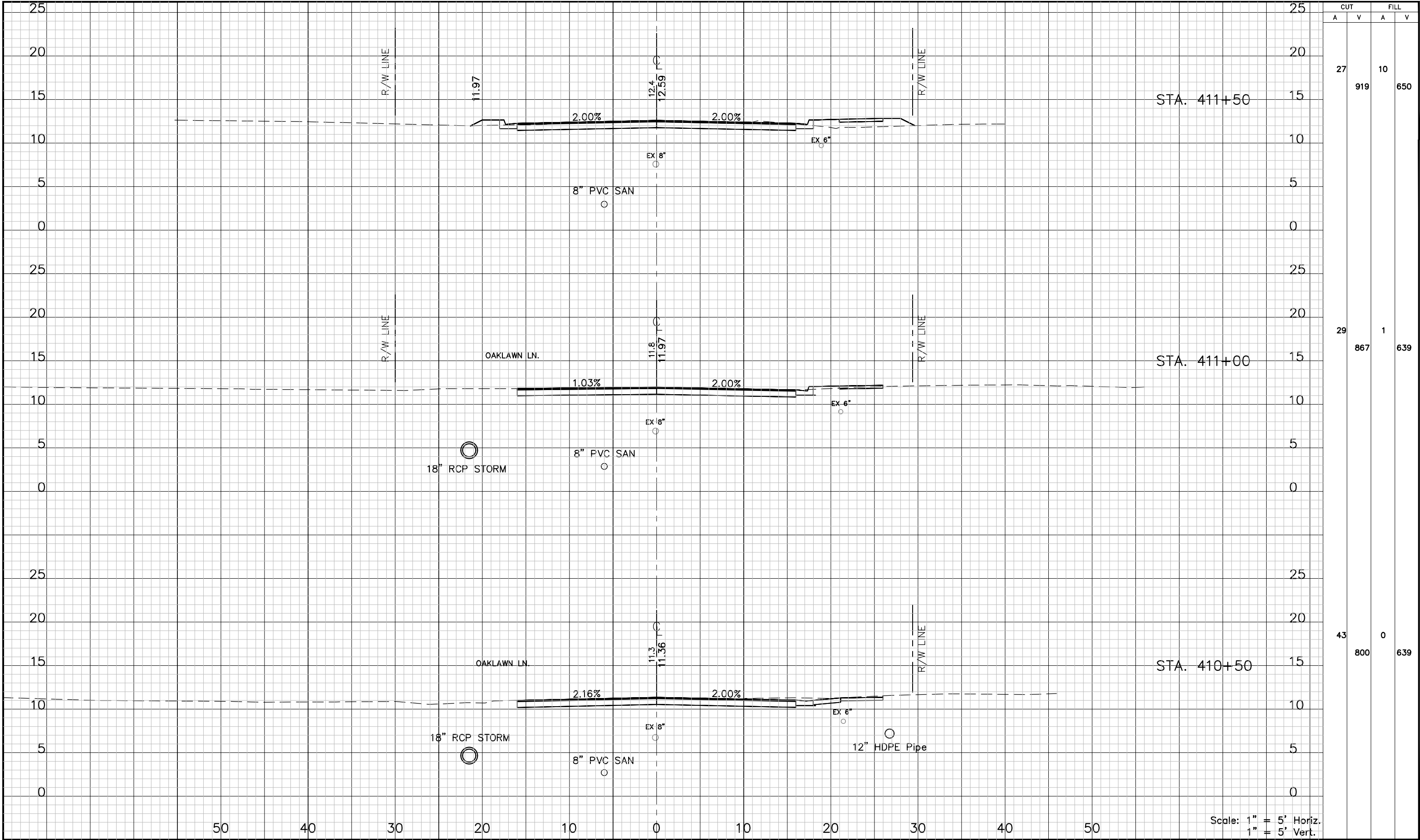
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CUT		FILL	
A	V	A	V
21	741	10	630
13	710	15	607

DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
DRAWN	XXX							PROJECT NO.	005267A
CHECKED	XXX							SHEET:	20 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY						


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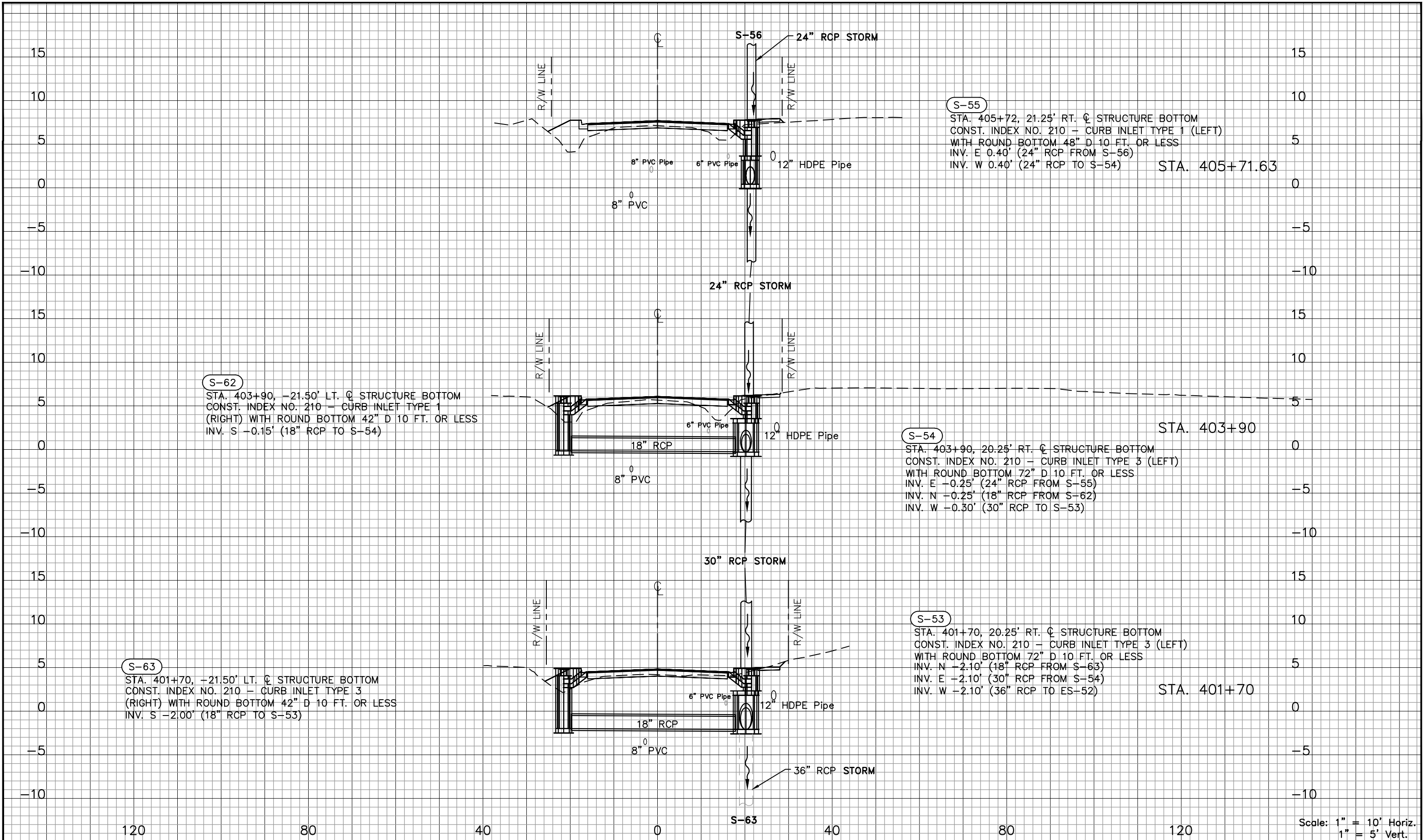
CUT		FILL	
A	V	A	V
27	919	10	650
29	867	1	639
43	800	0	639


DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  CROSS SECTIONS	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
DRAWN	XXX							PROJECT NO.	005267A
CHECKED	XXX							SHEET:	21 OF 33
REV. NO.	DATE	DESCRIPTION	REV. BY						

CUT		FILL	
A	V	A	V
27		6	
968		665	

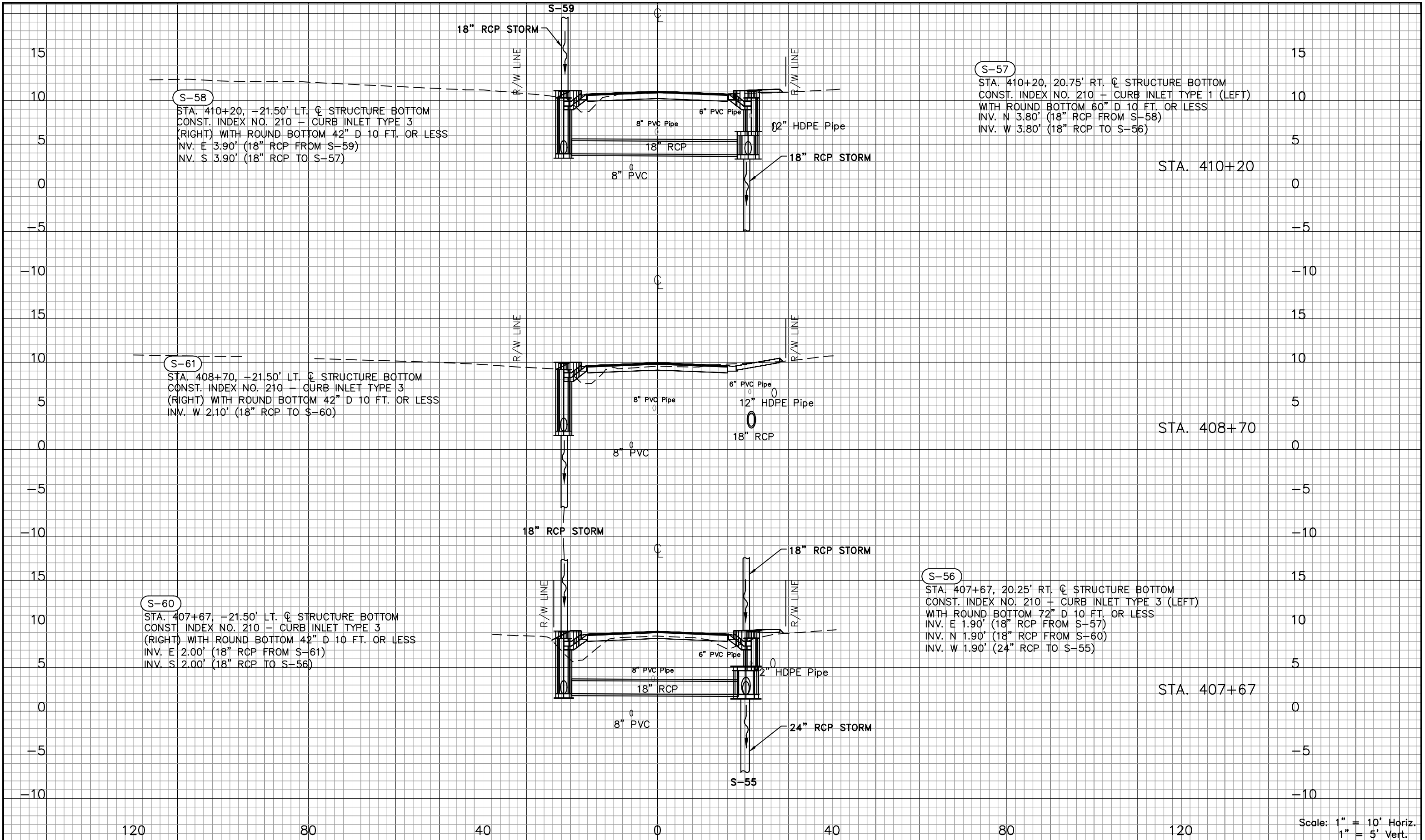
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REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	XXX					SHEET:	22 OF 33


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				DESIGNED	XXX	 <b>Pinellas County</b> ENVIRONMENT AND INFRASTRUCTURE	DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  DRAINAGE STRUCTURE	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	XXX							PROJECT NO.	005267A
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REV. NO.	DATE	DESCRIPTION	REV. BY										

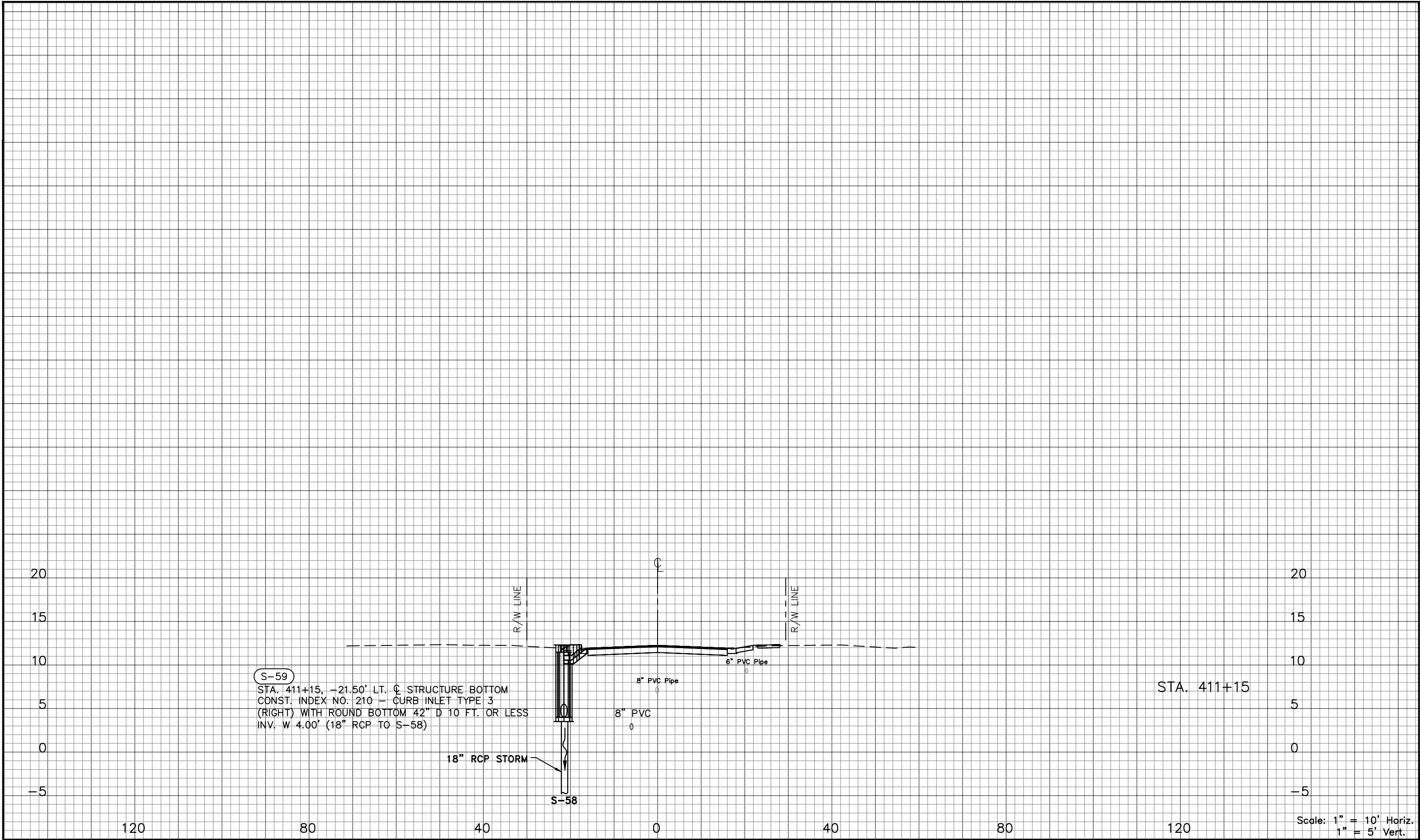
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				DESIGNED	XXX	 <b>Pinellas County</b> ENVIRONMENT AND INFRASTRUCTURE	DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  DRAINAGE STRUCTURE	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
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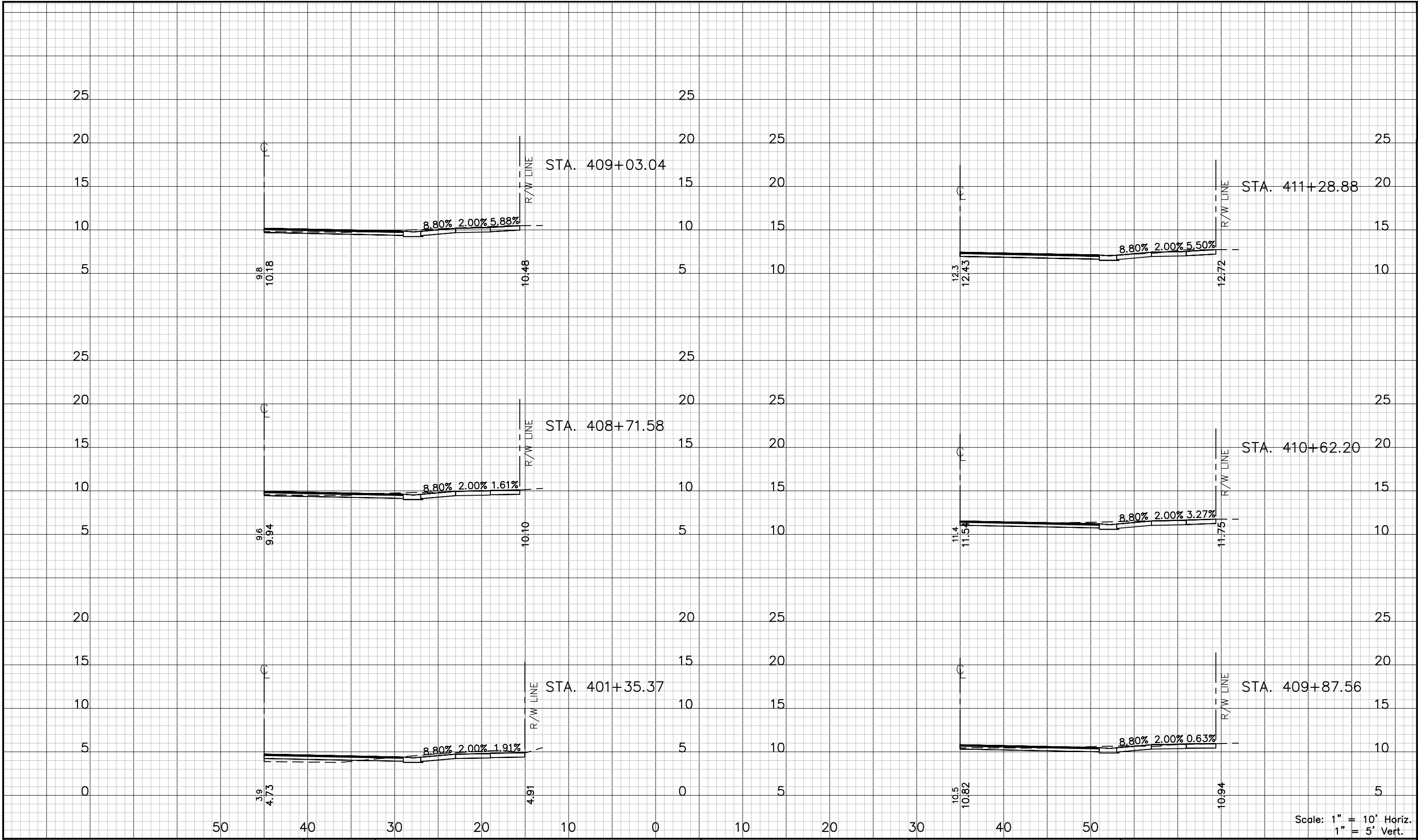
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1" = 5' Vert.


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				DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  DRAINAGE STRUCTURE	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
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				DESIGNED	XXX	 <div><b>PINELLAS County</b> ENVIRONMENT AND INFRASTRUCTURE</div>	<b>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</b>  14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	<b>PROJECT:</b>  CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	<b>DESCRIPTION:</b>  DRIVEWAY SECTIONS	<b>APPROVED BY:</b>  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	<b>DATE:</b> 2013/2014	
				DRAWN	XXX							<b>PROJECT NO.</b> 005267A
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REV. NO.	DATE	DESCRIPTION	REV. BY									

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I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

CONSTRUCTION ACTIVITIES ON THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A 5-FOOT WIDE 6" THICK CONCRETE SIDEWALK AND A 6-FOOT WIDE 6" THICK SIDEWALK. A BARRIER WALL WILL BE NECESSARY ALONG MOST OF THE WETLAND AREA.

B. PROJECT LIMITS

UNION STREET - BETTY LANE TO RIDGELANE ROAD.

C. PROJECT DESCRIPTION

INSTALLATION OF NEW SIDEWALK ON THE SOUTH SIDE OF UNION STREET. THIS IS PART OF THE SAFE ROUTES TO SCHOOL PROGRAM AND WILL IMPROVE SCHOOL PEDESTRIAN TRAFFIC TO BOTH DUNEDIN ELEMENTARY AND DUNEDIN HIGHLAND MIDDLE SCHOOLS IN THE CITY OF DUNEDIN.

D. MAJOR SOIL DISTURBING ACTIVITIES

CLEARING, GRUBBING, EXCAVATION, GRADING, AND COMPACTION ACTIVITIES FOR THE CONSTRUCTION OF THE SIDEWALK AS WELL AS FOR THE INSTALLATION OF THE BARRIER WALL.

E. TOTAL PROJECT AREA: 0.80 ACRES  
TOTAL AREA TO BE DISTURBED: 0.80 ACRES

F. RUNOFF DATA

POST-CONSTRUCTION RUNOFF WILL EQUAL PRE-CONSTRUCTION RUNOFF.

G. SOIL DATA

BASED ON THE LATEST USDA SOIL CONSERVATION SERVICE (SCS) SOIL SURVEY FOR PINELLAS COUNTY, FLORIDA. MADE LAND AND URBAN LAND - ASTATULA COMPLEX AND MYAKKA COMPLEX.

H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)

THE OVERALL CONTRIBUTING WATERSHED IS 2.08 ACRES, WHICH IS URBAN FROM DOUGLAS AVENUE TO BETTY LANE AND PASTURE FROM BETTY LANE TO KING'S HWY

I. RECEIVING WATERS

THE RECEIVING BODY OF WATER IS STEPHENSON CREEK & SPRING BRANCH CREEK.

J. WETLANDS AREAS

NO WETLAND IMPACTS.

II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT FET FORTH IN s.62-40.432, F.A.C., THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1988) AND ANY SUBSEQUENT AMENDMENTS.

A. SEQUENCE OF MAJOR ACTIVITIES

PREPARE SITE AND STABILIZED CONSTRUCTION ENTRANCE. INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS.

INSTALL DOUBLE ROW OF FILTER FABRIC AND TURBIDITY BARRIERS IN PREPARATION FOR CONSTRUCTION OF GRAVITY WALL AND SIDEWALK CONSTRUCTION. CLEARING AND GRUBBING.

WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY ½" RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER

C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

_____	TEMPORARY SODDING
_____	TEMPORARY GRASSING
_____X_____	PERMANENT SODDING OR SEEDING
_____	PRESERVATION OF NATURAL RESOURCES
_____	BUFFER ZONES

D. STRUCTURAL PRACTICES

_____X_____	SEDIMENT BARRIERS (LF)
_____X_____	SYNTHETIC BALES (LF)
_____	ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
_____X_____	INLET PROTECTION SYSTEM (EA)
_____	LITTER REMOVAL AND DISPOSAL (AC)
_____	MOWING (AC)
_____	SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
_____	SOIL TRACKING PREVENTION DEVICE (EA)
_____	SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
_____	SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
_____	FLOATING TURBIDITY BARRIER (LF)
_____X_____	STAKED TURBIDITY BARRIER (LF)
_____	CHEMICAL TREATMENT - POWDERED (SY)
_____	CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
_____	OTHER

E. DESCRIPTION OF STORM WATER MANAGEMENT

STORM WATER COLLECTION WILL BE PROVIDED WITHIN THE EXISTING ROADSIDE SWALES FOR BOTH CONVEYANCE AND BENEFICIAL TREATMENT. THE DESIGNATED OUTFALL FOR THIS SIDEWALK PROJECT IS STEPHENSON'S CREEK & SPRING BRANCH CREEK.

F. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY 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 & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND

CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

G. OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.

H. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

I. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

PERMITTEE CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.


IVAN J. FERNANDEZ, P.E., MANAGER	DATE
PLANNING AND DESIGN SECTION, ENGINEERING & TECHNICAL SUPPORT DIVISION PINELLAS COUNTY DEPT. OF ENVIRONMENT AND INFRASTRUCTURE (DEI) APPLICANT-AUTHORIZED AGENT FOR THE PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS	

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

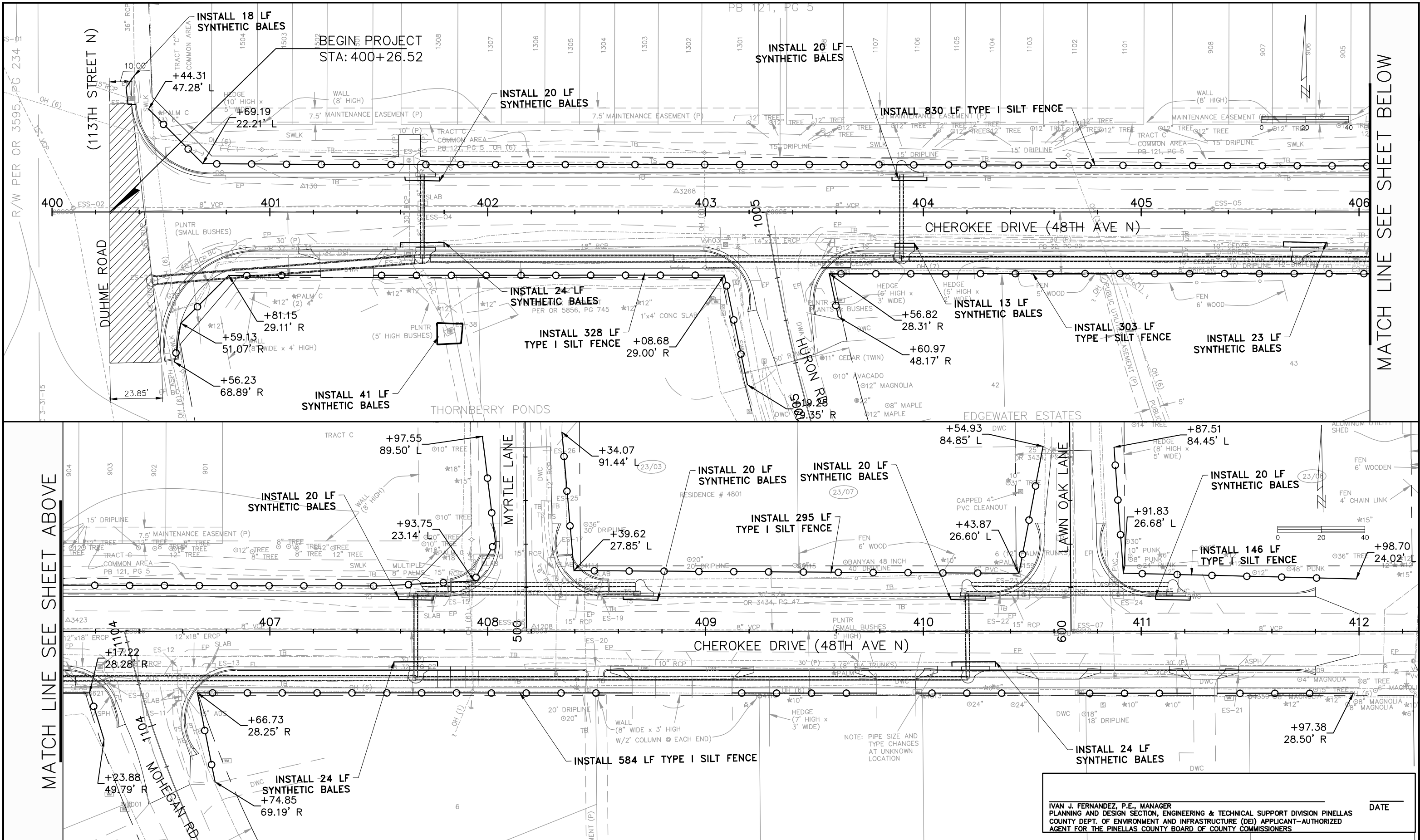
_____GENERAL CONTRACTOR	_____DATE
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_____ADDRESS	_____DATE
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				DESIGNED	XXX	 <div>DIVISION OF ENGINEERING AND TECHNICAL SUPPORT</div> <div>14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  STORM WATER POLLUTION PREVENTION PLAN	APPROVED BY:  _____ XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	XXX						PROJECT NO.	005267A
				CHECKED	XXX						SHEET:	27 OF 37
REV. NO.	DATE	DESCRIPTION			REV. BY							

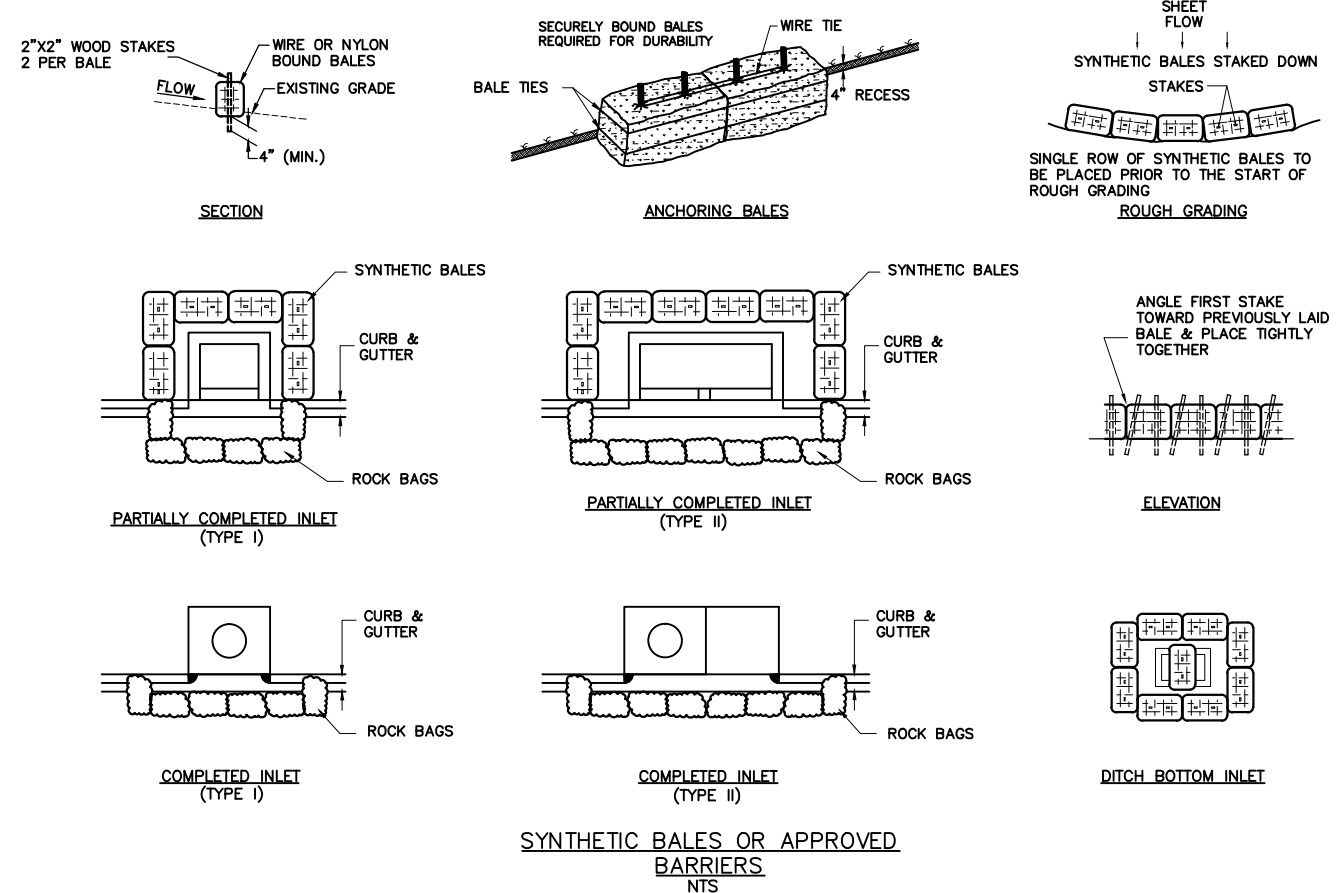


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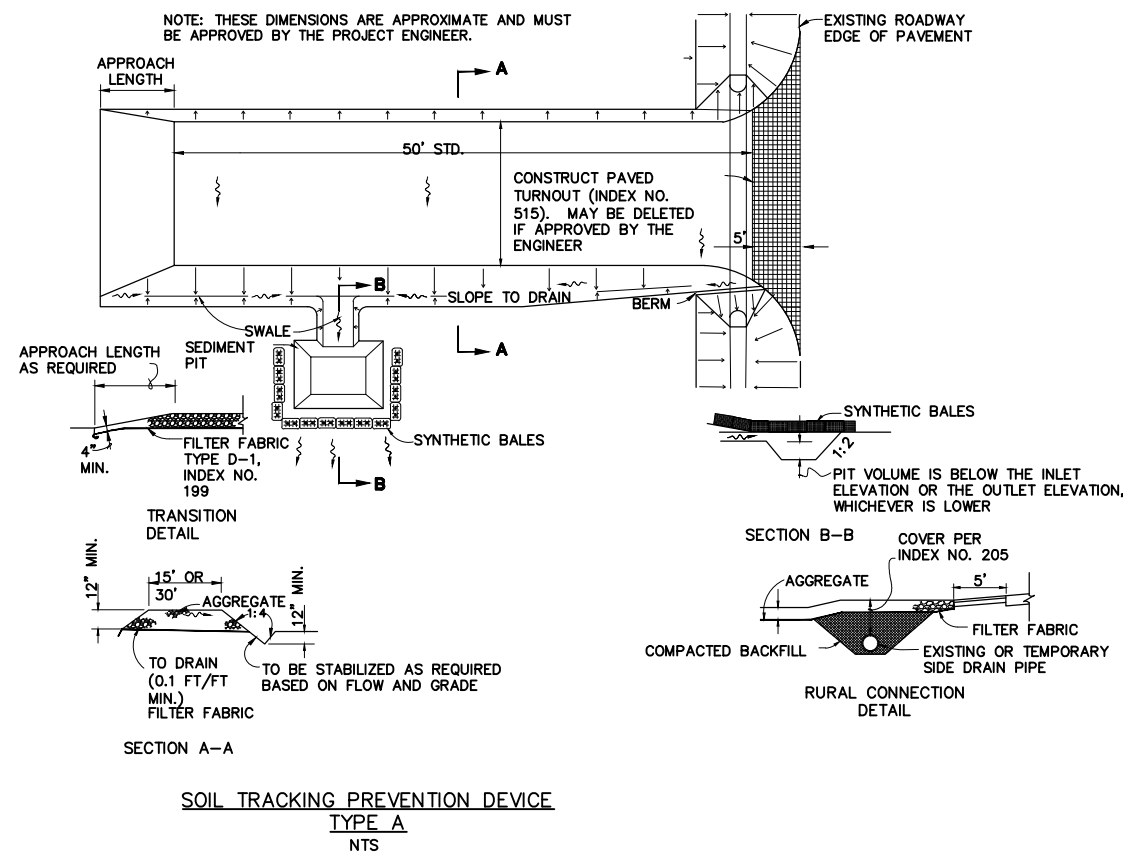


				DESIGNED	LDS	 DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: EROSION & SEDIMENT CONTROL PLANS	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE: 2013/2014	
				DRAWN	LDS						PROJECT NO. 005267A
				CHECKED	JW						SHEET: 29 OF 37
REV. NO.	DATE	DESCRIPTION	REV. BY								

TREE PROTECTION BARRIERS DETAIL  
NTS




SYNTHETIC BALES OR APPROVED  
BARRIERS  
NTS



SOIL TRACKING PREVENTION DEVICE  
TYPE A  
NTS

### SOIL TRACKING PREVENTION DEVICE NOTES

1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF SITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THROUGH STPD BARRIERS. FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STPD.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFF SITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ITS USE.
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
4. AGGREGATES SHALL BE DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE NOT SUITABLE.
5. THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:  
15'X50'=100 FT.<sup>3</sup>  
30'X50'=200 FT.<sup>3</sup>  
AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE VOLUME HAS BEEN REDUCED TO ONE HALF, IT SHALL BE CLEANED. WHEN A SWALE IS USED, SYNTHETIC BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
6. THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.
7. MITERED END SECTIONS ARE NOT REQUIRED WHEN THE SIDE DRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
8. THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSET TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THROUGH THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT MUD TRACKED.
9. A STPD SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SOIL TRACKING PREVENTION DEVICE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE STPD: INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING M.E.S. WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING ASPHALT AND BASE CONSTRUCTION), DITCH STABILIZATION, APPROACH ROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL, WATER, RINSING AND CLEANING OF THE STPD AND CLEANING OF PUBLIC ROADS, GRASSING AND SOD. SYNTHETIC BALES SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR HAY OR STRAW BALE, EA. SILT FENCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, L.F.
10. THE NOMINAL SIZE OF A STANDARD STPD IS 15'X50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') STPD IS USED, THE PAY QUANTITY SHALL BE 2 FOR EACH LOCATION.

				DESIGNED	XXX	 <div>PINELLAS COUNTY DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756</div>	PROJECT:	CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:	EROSION & SEDIMENT CONTROL DETAILS	APPROVED BY:		DATE:	2013/2014
				DRAWN	XXX								PROJECT NO.	005267A
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	XXX						XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	SHEET:	30 OF 37

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1.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINS AND OUTFALLS USING BEST MANAGEMENT PRACTICES. REFER TO CONSTRUCTION PLANS, DETAILS, SPECIFICATIONS AND APPROVED PERMITS FOR DETAILS. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH ONE HALF THE HEIGHT ON AN EROSION DEVICE OR AS DIRECTED BY THE ENGINEER.
2.

DURING THE CONSTRUCTION OF DRAINAGE STRUCTURES, AND OTHER STRUCTURES REQUIRING EXCAVATION, THE CONTRACTOR SHALL PLACE APPROVED BARRIERS OR OTHER APPROVED DEVICES AROUND SUCH STRUCTURES TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE CONSTRUCTION AREA. THE APPROVED BARRIERS OR OTHER APPROVED DEVICES SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF F.D.O.T. INDEX NO. 102 OR AS DIRECTED BY THE ENGINEER.
3.

REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN REQUIRED EROSION CONTROL WILL RESULT IN ENFORCEMENT ACTION. ALL EROSION CONTROL MEASURES, SAND, SILT, AND DEBRIS SHALL BE REMOVED FROM ALL DRAINAGE PIPES AND STRUCTURES AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO COUNTY FINAL WALK-THROUGH.
4.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SILT/TURBIDITY BARRIERS TO CONTROL EROSION AND SEDIMENT FROM TAKING PLACE OUTSIDE THE PROJECT LIMITS. THE SILT/TURBIDITY BARRIERS SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF F.D.O.T. INDEX NO. 102 & 103, AND "PINELLAS COUNTY DEI STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY RELATED CONSTRUCTION" SECTION 104, THROUGHOUT THE DURATION OF THE PROJECT AND ALL ASPECTS OF CONSTRUCTION. ALL DAMAGED OR INEFFECTIVE EROSION CONTROL DEVICES SHALL BE REPLACED AT NO ADDITIONAL COST TO THE COUNTY.
5.

EROSION CONTROL PLAN – ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THESE MODIFICATIONS MUST BE APPROVED BY THE COUNTY AND THE PERMITTING AGENCY. NO CONTRACT DELAYS WILL BE ALLOWED FOR SUCH MODIFICATIONS OR APPROVALS.
6.

OUTFALL PROTECTION – PROJECT PIPE OR DITCH DISCHARGES INTO OFF-SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILDUP OR TRANSPORT. OUTFALLS SHALL BE PROTECTED THROUGH USE OF EROSION CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILDUP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES AS DIRECTED BY THE PROJECT ENGINEER FOR OUTFALL PROTECTION.
7.

APPROVED BARRIERS (OR OTHER APPROVED SEDIMENT CONTROL DEVICES) – THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. APPROVED BARRIERS SHALL BE DOUBLE STAKED IN ACCORDANCE WITH F.D.O.T. INDEX NO. 102. ANY DAMAGED OR INEFFECTIVE APPROVED BARRIERS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION AND INSTALLATION OF APPROVED BARRIERS SHALL BE AS DIRECTED BY THE PROJECT ENGINEER.
8.

BACK OF SIDEWALK INLETS OR MEDIAN INLETS – THESE SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP WITHOUT EROSION PROTECTION. APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AROUND INLET TOP. A SECOND ROW OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE PLACED AROUND INLET APPROXIMATELY 24" OUTSIDE FIRST ROW. BETWEEN ROWS THERE SHALL BE A DEPRESSION TO ACT AS A SEDIMENT BASIN. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH A SINGLE LINE OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES TO PREVENT SEDIMENT INTAKE FROM OTHER AREAS.
9.

STOCKPILED MATERIALS SHALL BE PROTECTED BY COVER, APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
10.

ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 3 DAYS AFTER ½" RAIN EVENT DISTURBANCE.
11.

SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, FILTER FENCES, BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT INTO WATERS OF THE STATE OR NEIGHBORING PROPERTIES SHALL BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
12.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY DEWATERING PERMITS FROM THE LOCAL WATER MANAGEMENT DISTRICT OR OTHER REGULATORY AGENCY.
13.

A DEWATERING PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO DISCHARGE.
14.

WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATER FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENTS BASINS, OR AREAS CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
15.

IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
16.

WHERE APPLICABLE, SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED AND MAINTAINED PER F.D.O.T. INDEX NO. 106.
17.

THE EROSION CONTROL DEVICE QUANTITIES SHOWN ON THE BID FORMS ARE ESTIMATES OF THE ACTUAL QUANTITIES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFY ACTUAL QUANTITIES AND COSTS ASSOCIATED WITH THIS SPECIFIC EROSION CONTROL IMPLEMENTATION SCHEDULE. EROSION CONTROL ITEMS MAY BE ADDED OR DELETED FROM THE PAY ITEM LIST AS THE EROSION CONTROL IMPLEMENTATION SCHEDULE PROVIDED BY THE CONTRACTOR IS MODIFIED TO MEET SITE SPECIFIC CONDITIONS.
18.

ALL EROSION CONTROL FENCES, BARRIERS, AND SILTATION DEVICES SHALL BE ERECTED PRIOR TO ANY LAND ALTERATIONS, SHALL BE MAINTAINED IN GOOD WORKING ORDER DURING CONSTRUCTION, AND REMOVED FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. STOCKPILE AREAS SHALL INCLUDE SILT FENCING AROUND THE PERIMETER.
19.

THE CONTRACTOR SHALL NOT RESTRICT OR BLOCK THE EXISTING DRAINAGE FLOW OVERLAND OR WITHIN RESHAPED SWALES. FLOW WITHIN EXISTING DRAINAGE PIPES SHALL BE MAINTAINED AT ALL TIMES. STORMWATER WILL BE CONVEYED VIA EXISTING SWALES, DITCHES, OR PROPOSED DITCHES, EXISTING AND PROPOSED STORM SEWERS.
20.

THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING DITCHES OR CANALS WITHOUT THE USE OF SETTLING PONDS. IF THE CONTRACTOR DESIRES TO DISCHARGE INTO EXISTING DITCHES OR CANALS A SETTLING POND PLAN PREPARED BY THE CONTRACTOR MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
21.

DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFF-SITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.
22.

BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. EROSION CONTROL FABRIC SHALL BE USED FOR EROSION PROTECTION WHERE SOD WILL NOT HOLD OR BECOME ESTABLISHED IN TIME TO PROTECT THE BANKS. UNLESS OTHERWISE SPECIFIED IN THE PLANS, UPON COMPLETION OF CONSTRUCTION, ALL BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
23.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING POND FILTRATION SYSTEMS FROM BEING CLOGGED UNTIL PINELLAS COUNTY DETERMINES THE CONSTRUCTION IS COMPLETE. IF FILTER MATERIAL IS CONTAMINATED, IT SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED   XXX

DRAWN       XXX

CHECKED     XXX



DIVISION OF ENGINEERING  
AND TECHNICAL SUPPORT

14 S. FT. HARRISON AVE., CLEARWATER, FL 33756

PROJECT:

CHEROKEE DRIVE  
ROADWAY IMPROVEMENTS  
FROM DUHME RD TO 112TH ST

DESCRIPTION:

EROSION & SEDIMENT  
CONTROL  
DETAILS

APPROVED BY:

XXXX XXXXXXXX, P.E.  
FLA. REG. NO XXXX-XX

DATE

DATE: 2013/2014

PROJECT NO. 005267A

SHEET: 31 OF 37

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TRAFFIC CONTROL PHASING NOTES:

INITIAL PHASE

- 1. PLACE ADVANCE WARNING SIGNS FOR PROJECT LIMITS.
- 2. PLACE EROSION CONTROL DEVICES.

PHASE I (SINGLE-LANE CLOSURE)

THE INTENT OF THIS PHASE IS TO PERFORM WORK WHERE ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES ENCROACH ON OR WITHIN 2FT OF THE EXISTING OUTSIDE TRAVEL LANE.

- 1. PLACE ADVANCE WARNING SIGNS FOR THE ACTIVE WORK AREA.
- 2. PLACE TRAFFIC CONTROL DEVICES (BARRICADE, VERTICAL PANEL, AND/OR DRUMS) PER FDOT INDEXES 603 AND 625. PLACE PEDESTRIAN CONTROL SIGNS AND DEVICES PER INDEX 660.
- 3. PERFORM WORK ACTIVITIES SUCH AS, BUT NOT LIMITED TO, INSTALLATION OF THE FOUNDATION FOR THE DYNAMIC MESSAGE SIGNS AND SUPPORTS, CCTV CAMERAS, AND VIDEO DETECTION SYSTEMS. CONSTRUCT SIDEWALK.

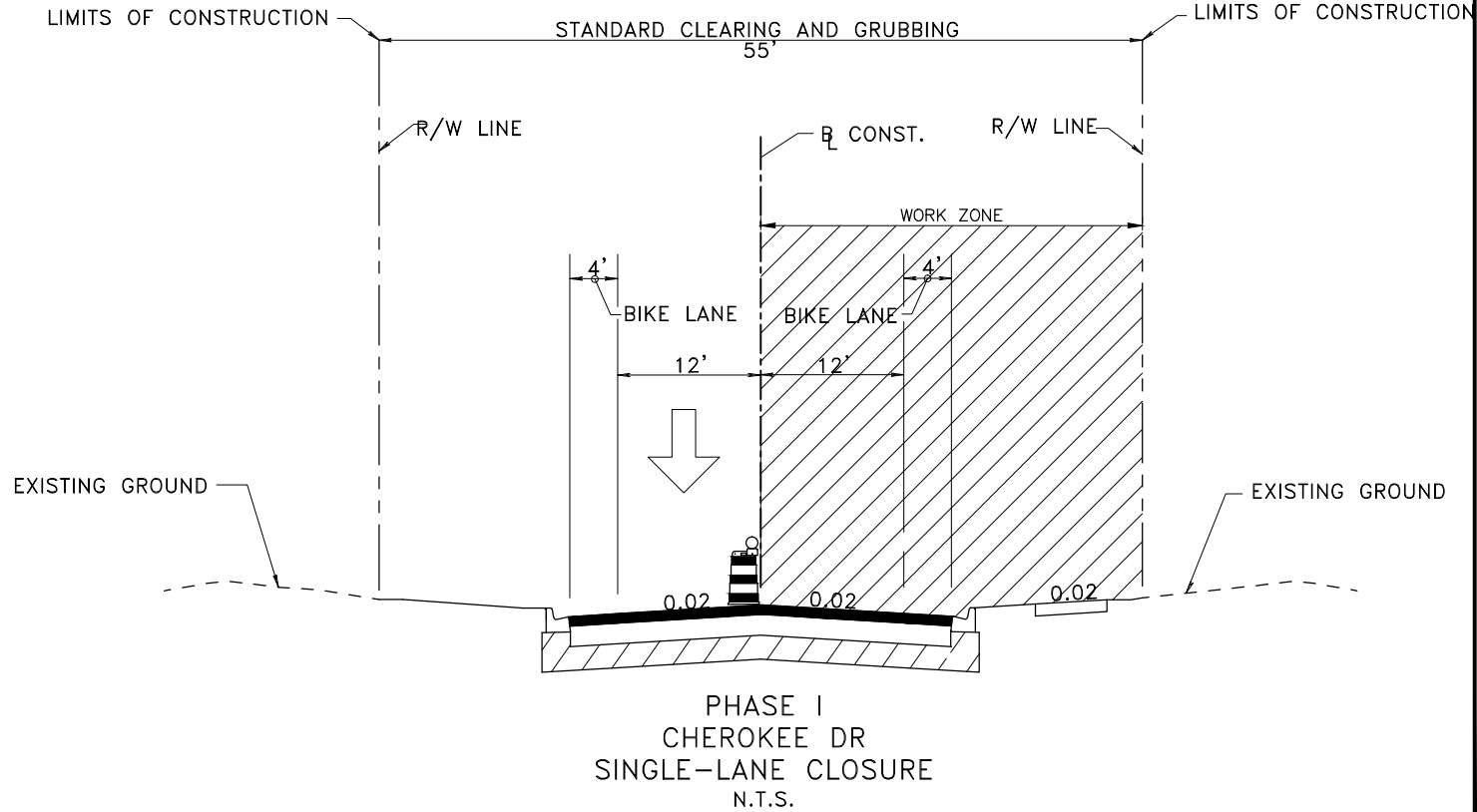
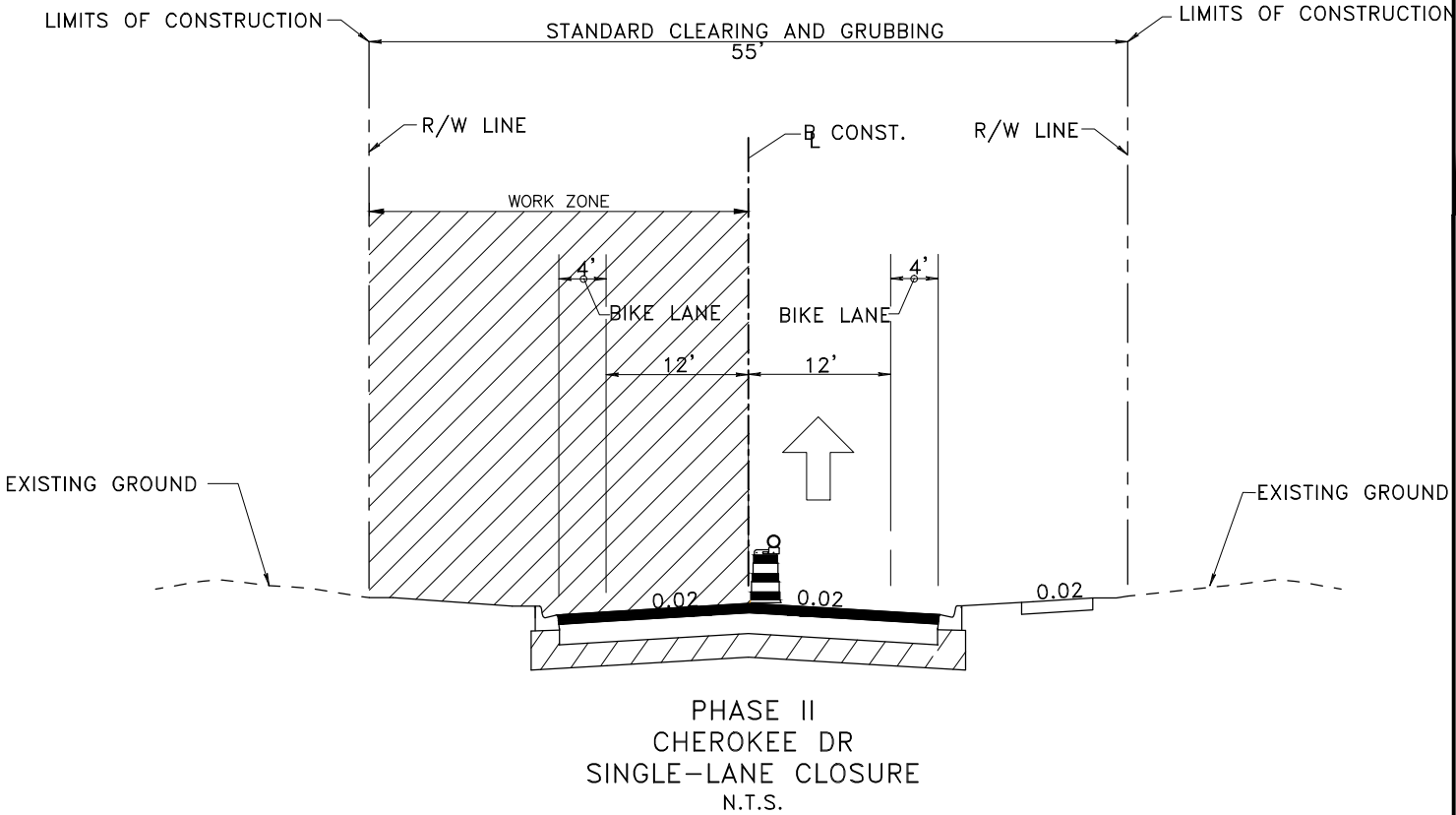
PHASE II (SINGLE-LANE CLOSURE)


THE INTENT OF THIS PHASE IS TO PERFORM WORK WHERE ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES ENCROACH ON OR WITHIN 2FT OF THE EXISTING OUTSIDE TRAVEL LANE.

- 1. PLACE ADVANCE WARNING SIGNS FOR THE ACTIVE WORK AREA.
- 2. PLACE TRAFFIC CONTROL DEVICES (BARRICADE, VERTICAL PANEL, AND/OR DRUMS) PER FDOT INDEXES 603 AND 625. PLACE PEDESTRIAN CONTROL SIGNS AND DEVICES PER INDEX 660.
- 3. PERFORM WORK ACTIVITIES SUCH AS, BUT NOT LIMITED TO, INSTALLATION OF THE FOUNDATION FOR THE DYNAMIC MESSAGE SIGNS AND SUPPORTS, CCTV CAMERAS, AND VIDEO DETECTION SYSTEMS.

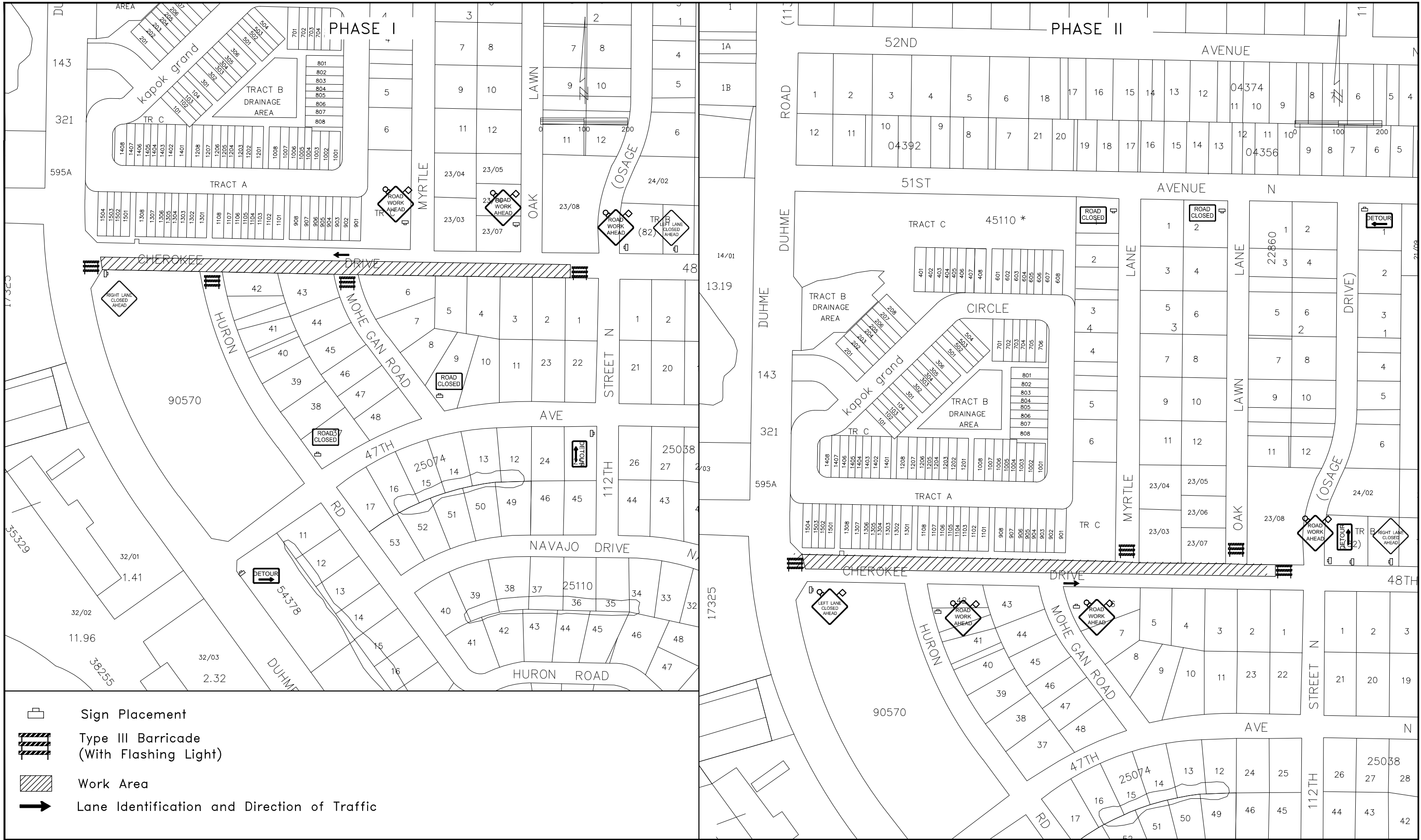
TYPICAL SECTION NOTES:


- 1. TYPICAL SECTION DETAILS APPLY TO BOTH EB AND WB CHEROKEE DR..
- 2. ADDITIONAL BARRIERS MAY BE REQUIRED ON PAVEMENT IN ORDER TO MAINTAIN PEDESTRIAN TRAFFIC. SEE STANDARD INDEX 660 FOR DETAILS.



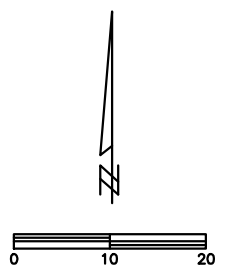
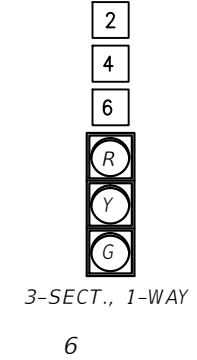
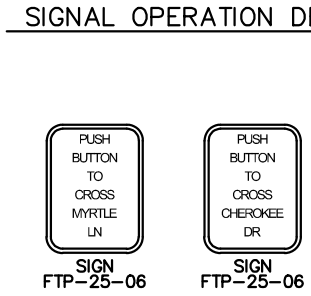
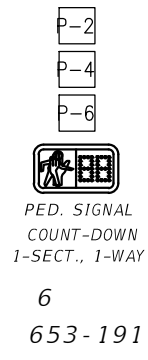
				DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: TEMPORARY TRAFFIC CONTROL PLANS	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	XXX							PROJECT NO.	005267A
				CHECKED	XXX							SHEET:	32 OF 37
REV. NO.	DATE	DESCRIPTION		REV. BY									

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				DESIGNED	XXX	 <div>PINELLAS County</div> <div>ENVIRONMENT AND INFRASTRUCTURE</div>	DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: TEMPORARY TRAFFIC CONTROL PLANS	APPROVED BY:  XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	XXX							PROJECT NO.	005267A
				CHECKED	XXX							SHEET:	33 OF 37
REV. NO.	DATE	DESCRIPTION		REV. BY									



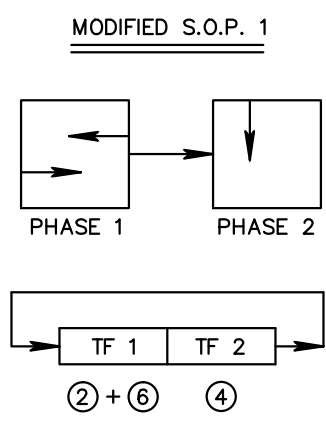


- CONTROLLER NOTES:**
1. MAJOR STREET IS CHEROKEE DR, PHASE 1 (MOVEMENTS 2 AND 6), AND MINOR STREET IS MYRTLE LN, PHASE 2 (MOVEMENT 4).
  2. MODIFIED SIGNAL OPERATING PLAN NO. 1.

DETECTORS FOR LOOPS				
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	DELAY TIME (SEC)
L-				
L-				
L-				
L-				
L-				
L-				
L-				
L-				
L-				

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

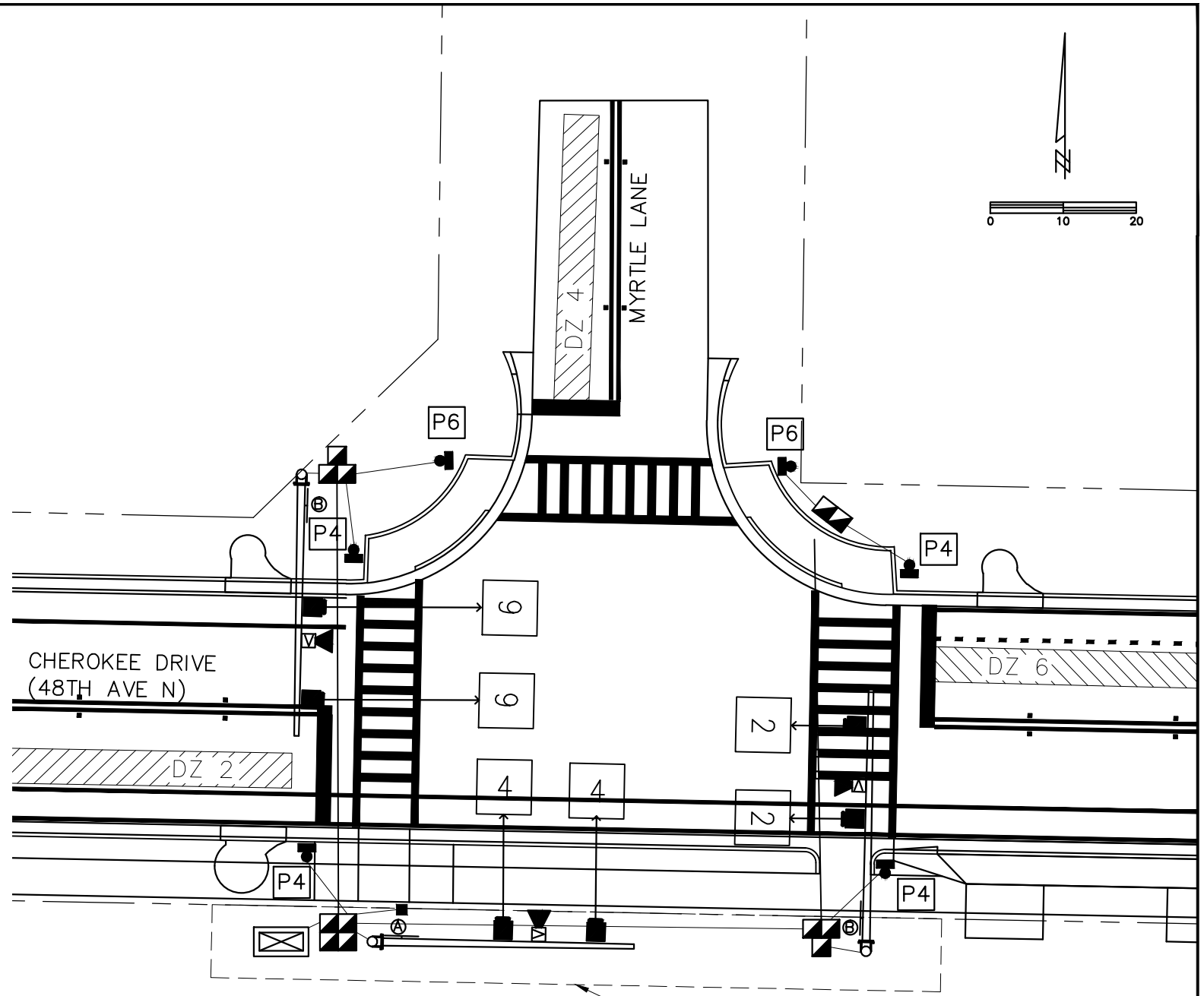
CONTROLLER TIMINGS									
TIMING FUNCTION									
MOVEMENT NUMBER									
TIMING FUNCTION	MINIMUM GREEN								
	EXTENSION								
	MAXIMUM GREEN 1								
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE								
	ALL RED								
	PEDESTRIAN WALK								
PED. CLEARANCE									
RECALL									



**SIGN PANELS:**

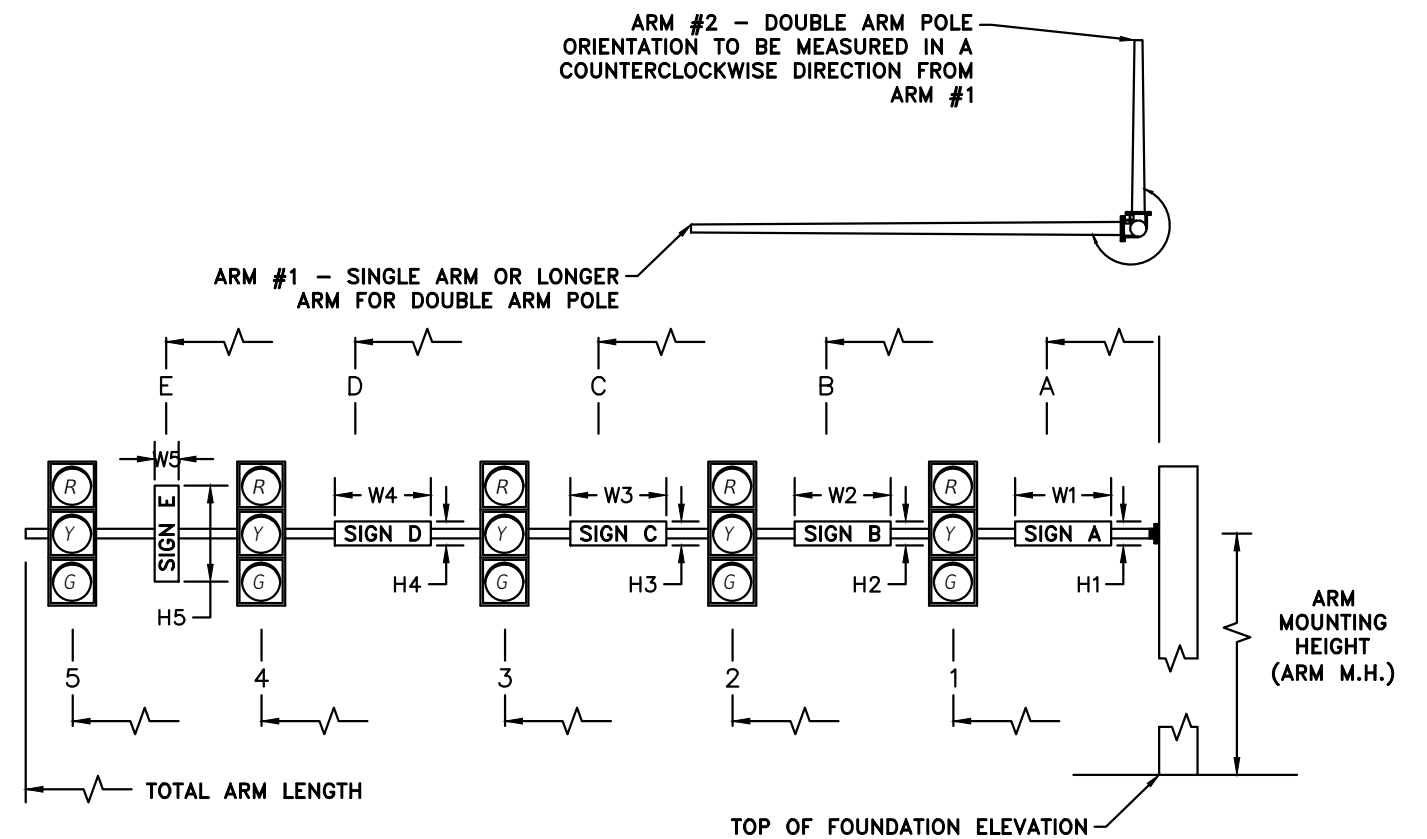
**CHEROKEE DR**  
0000 0000

**MYRTLE LN**  
0000 0000

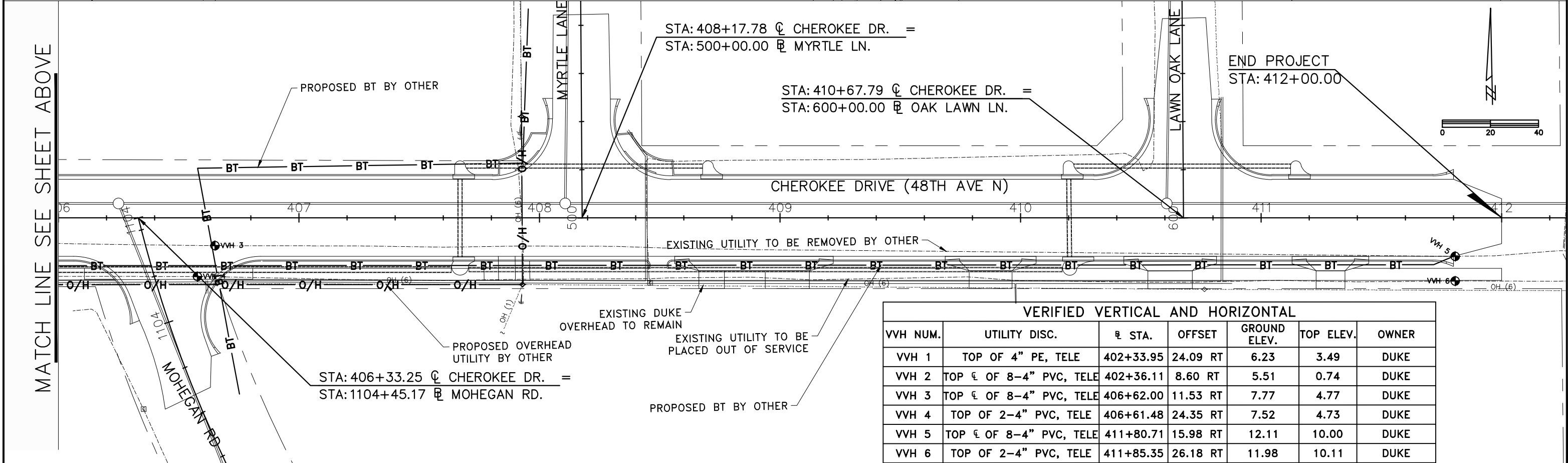
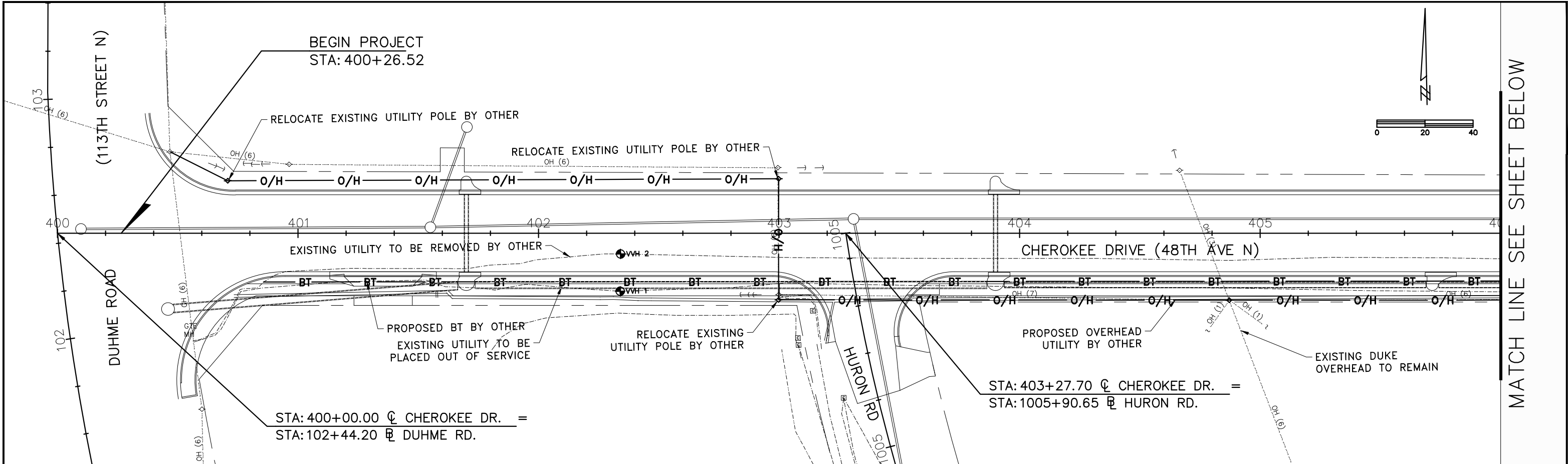


TRAFFIC SIGNAL EASEMENT  
12452-123


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[illegible][illegible]

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VERIFIED VERTICAL AND HORIZONTAL						
VVH NUM.	UTILITY DISC.	$\nabla$ STA.	OFFSET	GROUND ELEV.	TOP ELEV.	OWNER
VVH 1	TOP OF 4" PE, TELE	402+33.95	24.09 RT	6.23	3.49	DUKE
VVH 2	TOP $\nabla$ OF 8-4" PVC, TELE	402+36.11	8.60 RT	5.51	0.74	DUKE
VVH 3	TOP $\nabla$ OF 8-4" PVC, TELE	406+62.00	11.53 RT	7.77	4.77	DUKE
VVH 4	TOP OF 2-4" PVC, TELE	406+61.48	24.35 RT	7.52	4.73	DUKE
VVH 5	TOP $\nabla$ OF 8-4" PVC, TELE	411+80.71	15.98 RT	12.11	10.00	DUKE
VVH 6	TOP OF 2-4" PVC, TELE	411+85.35	26.18 RT	11.98	10.11	DUKE

DESIGNED	XXX		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: UTILITY ADJUSTMENTS	APPROVED BY:  DATE	DATE:	2013/2014
DRAWN	XXX						PROJECT NO.	005267A
CHECKED	XXX						SHEET:	37 OF 37
REV. NO.	DATE	DESCRIPTION	REV. BY	14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE		

PINELLAS COUNTY  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
DIVISION OF ENGINEERING AND TECHNICAL SUPPORT  
SURVEY AND MAPPING SECTION  
STATE OF FLORIDA

*Pinellas County Government is committed to progressive public policy, superior public service, courteous public contact, judicious exercise of authority and sound management of public resources, to meet the needs and concerns of our citizens today and tomorrow.*



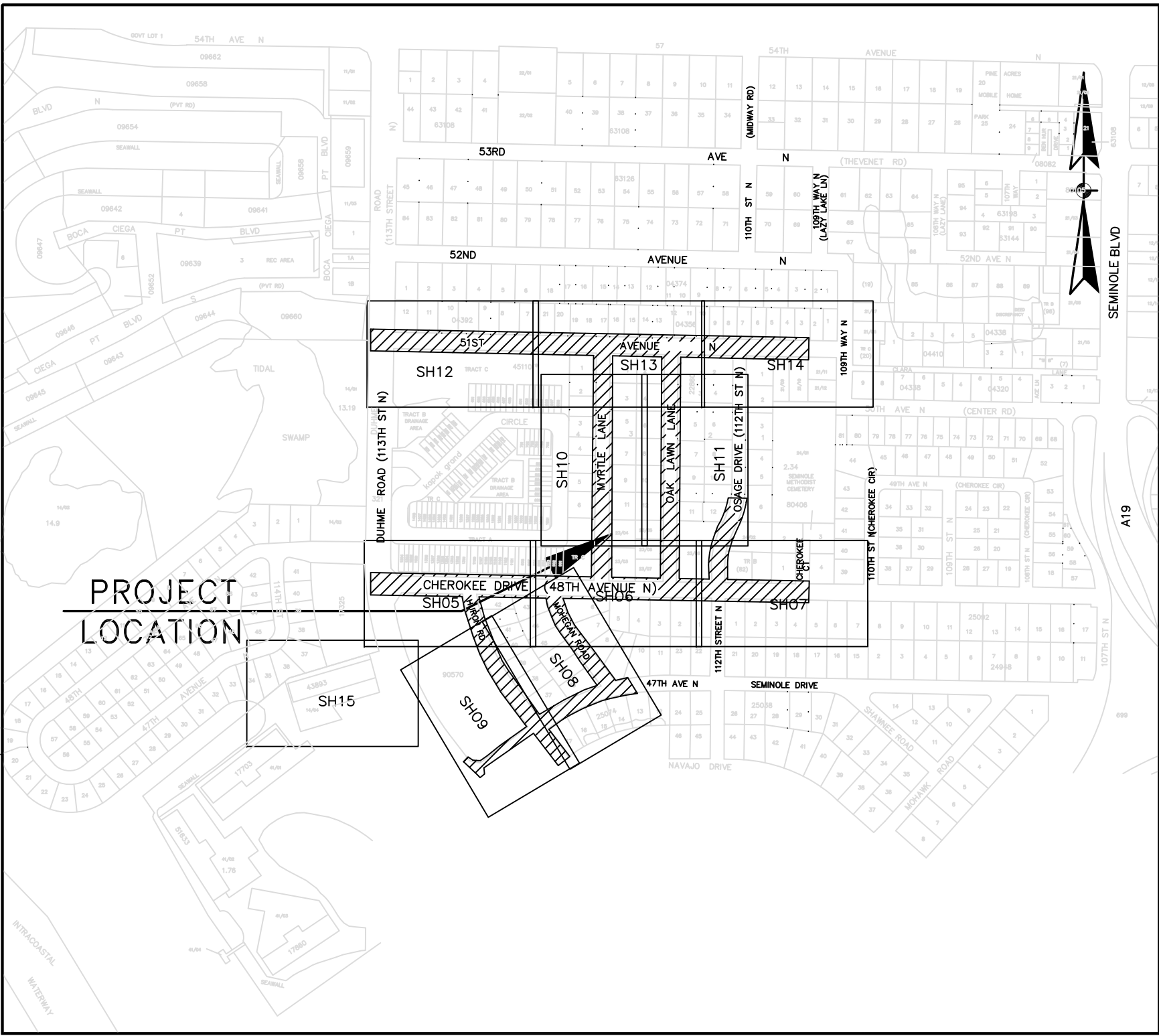
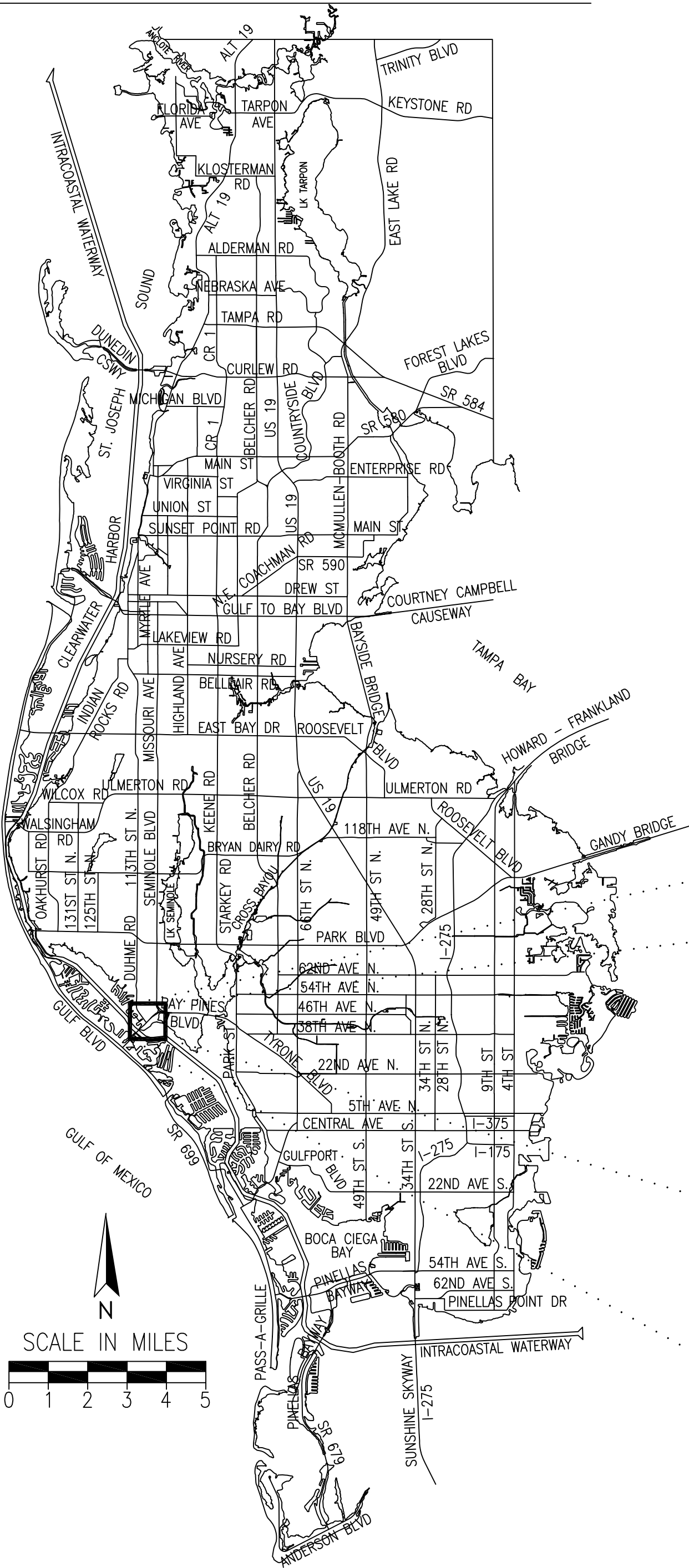
TOPOGRAPHIC SURVEY OF:  
*MOHEGAN ROAD*  
*at SEMINOLE DRIVE NORTH*  
*DRAINAGE IMPROVEMENTS*

THE SURVEY DEPICTED HERE IS NOT COVERED BY PROFESSIONAL LIABILITY INSURANCE.  
VICINITY MAP

NOT TO SCALE

SHEET INDEX

- 1 COVER SHEET / VICINITY MAP / GRAPHIC SYMBOLS
- 2 LAND SURVEYOR REPORT / EXISTING STRUCTURES
- 3 ALIGNMENT / MONUMENTATION
- 4 REFERENCES / VWH / ABBREVIATIONS
- 5-15 TOPOGRAPHIC SURVEY



GRAPHIC SYMBOLS:

CENTERLINE	_____
CONTOUR LINE	_____
EXISTING TOPOGRAPHIC FEATURE	_____
SURFACE WATER/WETLAND BOUNDARY	_____
SURVEY REFERENCE LINE	_____
RIGHT-OF-WAY (EXISTING)	_____
RIGHT-OF-WAY LINE (PROPOSED)	_____
(EXISTING W/ ACQUISITION)	_____
PROPERTY OR DEED LINE	_____
EASEMENT LINE	_____
EASEMENT LINE (PROPOSED)	_____
(EXISTING W/ ACQUISITION)	_____
SECTION LINE	_____
ORIGINAL LOT LINE/FORMER OWNERSHIP LINE/ VACATED EASEMENTS	_____
TREE LINE	_____
FENCE LINE	_____
COMMUNICATION LINE	_____
TRAFFIC CONTROL LINE	_____
ELECTRIC POWER LINE/CABLE	_____
DRAINAGE (STORM SEWER) PIPE	_____
EXISTING TOP OF BANK AND TOE OF SLOPE	_____

SANITARY SEWER GRAVITY LINE	_____
FORCE MAIN (SANITARY SEWER)	_____
GAS LINE	_____
HOT OIL LINE	_____
RECLAIMED WATER LINE	_____
POTABLE WATER	_____
UNKNOWN UTILITY	_____
FOUND CONCRETE MONUMENT	_____
FOUND NAIL & DISC/CAP BRASS DISC	_____
FOUND IRON ROD	_____
FOUND IRON PIPE	_____
FOUND PINCH PIPE	_____
SET CONCRETE MONUMENT	_____
SET NAIL & DISC/CAP BRASS DISC	_____
SET IRON ROD	_____
XCUT (FOUND)	_____
XCUT (SET)	_____
SUB PARCEL NO.	_____
BLOCK NUMBER	_____
PROPERTY APPRAISER PARCEL NUMBER	_____
PROPOSED PARCEL	_____

BACKFLOW PREVENTER	_____
BENCHMARK	_____
CENTERLINE	_____
COMMUNICATIONS BOX	_____
COMMUNICATIONS MANHOLE	_____
DECIDUOUS TREE (OAK UNLESS OTHERWISE ANNOTATED)	_____
DELTA ANGLE	_____
DRAINAGE CLEAN OUT	_____
DRAINAGE MANHOLE	_____
ELECTRICAL OUTLET	_____
EVERGREEN TREE	_____
FIRE HYDRANT	_____
GAS VALVE	_____
GATE VALVE	_____
GRATE INLET	_____
GUY WIRE	_____
HOSE BIB	_____

JUNCTION BOX	_____
LIGHT POLE	_____
MAILBOX	_____
MONITOR WELL	_____
PALM TREE	_____
PEDESTRIAN SIGNAL	_____
POLE/POST	_____
POWER BOX	_____
PROPERTY LINE	_____
RECLAIMED WATER MANHOLE	_____
RECLAIMED WATER METER	_____
RECLAIMED WATER VALVE	_____
SANITARY SEWER CLEANOUT	_____
SEWER MANHOLE	_____

SHRUB	_____
SIGN	_____
SPRINKLER HEAD	_____
SPRINKLER HEAD VALVE	_____
SURVEY LINE	_____
TARGET	_____
TRAFFIC SIGNAL POLE	_____
TRAFFIC SIGNAL PULL BOX	_____
UNDERDRAIN BOX	_____
UTILITY POLE	_____
WATER METER	_____
WATER VALVE	_____

SUSAN C. V. SCHOLPP, P.S.M.  
Florida Registered Professional Surveyor and Mapper  
Certificate No. 6034  
Pinellas County  
Department of Environment and Infrastructure  
Division of Engineering and Technical Support  
Survey and Mapping Section  
22211 U.S. Hwy. 19 North  
Clearwater, Florida 33765  
Phone: (727)464-8904

DATE

SEAL

SURVEY REVISION DATE	SURVEY FILE NO.: 1885
	PID NO.: 000414A
	SHEET 01 OF 15

LAND SURVEYOR REPORT:

1. Type of Survey: Topographic Survey (Chapter 5J--17.052(12), F.A.C.) to establish the geographic location of existing conditions to facilitate the design of improvements for MOHEGAN ROAD AT SEMINOLE DRIVE DRAINAGE IMPROVEMENTS (SFN 1885).

2. Survey Date: January 2008, April 2009, July 2012  
Date of Computations: February 2008, April 2009, July 2012

3. HORIZONTAL and VERTICAL CONTROL from SFN 1103 113 STREET AT WALKER STREET dated November 13, 2000 which is based on the State Plane Coordinate System for the West Zone of Florida, North American Datum, 1983/1990 adjustment, on a line from National Geodetic Survey monuments "Seminole R" (Latitude = 1,272,599.5060500 ft., Departure = 399,162.86694 ft.) El.=40.70 NAVD 1988, and "Seminole S" (Latitude = 1,273,908.48768 ft., Departure = 399164.84813 ft.) El.=45.19 NAVD 1988 Adjusted, being S 00°05'12" W. The values for these points can be found in the Monumentation and Control Point Coordinates table found on sheet 03 of survey.

4. PARENT BENCHMARK is National Geodetic Survey Monument: "Turtle 2 P", having an elevation of 6.12 feet North American Vertical Datum 1988 Adjusted.

5. ACCURACY STATEMENT: All measurements, distances, elevations and features shown were performed in strict accordance with the Minimum Technical Standards set forth in Chapter 5J--17.052(12), F.A.C.

6. Control Points 120--123, 130, 1208--1209, 1213, 1218--1219 and 1223--1225 serve as the Project Control and Benchmarks for this survey as tabled on Sheet 3 and delineated on Sheets 5--15.

7. Abbreviation legend appears on Sheet 04 of the survey map. Abbreviations used in the stamping of found points are not shown in the abbreviation table of this survey. The stamping in quotation marks in the Monumentation/Control Table to identify and/or describe the point only. The definitions of the abbreviations shown in quotation marks in the Monumentation/Control table are not known by the signing surveyor of this map.

8. INTENDED FEATURES:

GENERAL:

The topography along Cherokee Drive, Myrtle Lane, Oak Lawn Lane, Osage Drive and 51st Ave North is from SFN 1679--CHEROKEE DRIVE, MYRTLE LANE and OAK LAWN LANE Drainage Improvements (SFN 1679) dated 03/03/08 with a revision on 04/06/09 and shown on Sheets 05--12 and 15. This data was not updated or field verified for this survey but is included to show conditions of the entire area that may be needed for drainage study and/or design. Topographical features such as trees, buildings, fences, edge of pavement, curbing, driveways, drainage and sanitary structures/systems. Aboveground utilities are shown, however, other utilities may exist. Subsurface utility information provided at Quality Level B with specific verified vertical and horizontal (Vvh) locates at Quality Level A as shown and tabled on this survey. Subsurface utility information provided where utilities are adjacent to rights-of-way only. Subsurface utilities not located where profiles of road centerlines and edge of pavements were the only topographic features located. The force main shown in GIS map running north--south on Duhme not detected by Ground Penetrating Radar equipment but may exist. Subsurface ground conditions including a high water table and subsurface rock layer made detection and or location of subsurface information difficult and other utilities and/or subsurface features may exist.

The topography along Mohegan Road, Huron Road and Seminole Drive was field located in July 2012 and is generally depicted on SHEETS 05, 08 and 09. Topographical features such as trees, buildings, fences, edge of pavement, curbing, driveways and drainage and sanitary structures. Aboveground utilities are shown, however, other utilities may exist. Subsurface utility information provided at Quality Level B with specific verified vertical and horizontal (Vvh) locates at Quality Level A as shown and tabled on this survey. Subsurface utility information provided where utilities are adjacent to rights-of-way only. Subsurface ground conditions including a high water table and subsurface rock layer made detection and or location of subsurface information difficult and other utilities and/or subsurface features may exist.

Sheet 15 is intended to show drainage outfall information only. No other topographical features are shown.

DRAINAGE AND/OR SANITARY SYSTEMS:

Drainage Structures ES--01 through ES--42 and Sanitary Structures ESS--01 through ESS--20 are from SFN 1679--CHEROKEE DRIVE, MYRTLE LANE and OAK LAWN LANE Drainage Improvements (SFN 1679) dated 03/03/08 with a revision on 04/06/09. This data was not updated or field verified for this survey but is included to show conditions of the entire area that may be needed for drainage study and/or design.

Drainage Structures and associated pipes for ES--43 through ES--53 were located and measured in July 2012 are in generally poor to failing condition. These structures and pipes are usually full of standing water. There is limited to no visibility into these structures to obtain accurate measurements. The structure, pipe information and inverts provided are approximate due to these field conditions. No additional structures were found between ES--43 and ES--46 although an effort was made utilizing Ground Penetrating Radar equipment to locate same. Subsurface ground conditions including a high water table and subsurface rock layer made detection and or location of subsurface information difficult and other utilities and/or subsurface features may exist.

PROPERTY APPRAISER MAPS AND/OR AERIAL PHOTOGRAPHY:

Property Appraiser Maps utilized for this survey are dated March 2009 and 2007 with the exception of Property Appraiser Map on the south side of Seminole Drive. The Property Appraiser Map shown south of Seminole Drive is dated 08/03/2012. Property Appraiser Maps were moved, trimmed and rotated to best fit monumentation and occupation.

The Aerial overlaid on Sheet 15 (if shown) is for orientation purposes only.

9. The SURVEY REFERENCE LINES shown hereon are calculated lines and are not monumented unless otherwise specified in monumentation/control table.
10. SURVEY TECHNICIANS: I. Lathrop, R. Kirkland, M. Davis, B. Ellis, G. Lloyd, C. Bryant, T. Murray, C. Martinez and G. Smith.
11. THIS SURVEY IS NOT A BOUNDARY SURVEY. Right-of-way, easements, land lines and property lines shown hereon are from the Pinellas County Property Appraiser Maps with dates noted in Note #8 of this Surveyor's Report. These rights-of-way, easements, land lines and property lines shown hereon are a graphic representation only and have not been calculated or field verified. Property Appraiser Maps were moved, trimmed and rotated to best fit monumentation and occupation.
12. Not based on an abstract of title. Record instruments were provided and mapped. Other easements and/or restrictions may exist. Additional research may be required to verify right-of-way where noted on map.
13. RESPONSIBILITY: The undersigned, Susan C.V. Scholpp, P.S.M., is the responsible Surveyor and Mapper for all features and data contained on this Survey and Map.
14. Not valid without the Signature and the original raised Seal of a Florida Licensed Surveyor and Mapper.
15. Additions or deletions to survey maps or reports by other than the signing party or parties is prohibited without written consent of the signing party or parties.
16. Neither the map nor the report is full and complete without the other.
17. THE SURVEY DEPICTED HERE IS NOT COVERED BY PROFESSIONAL LIABILITY INSURANCE.

EXISTING STRUCTURES:

DRAINAGE					DRAINAGE				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION	NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ESD1	400+37.06	52.23 LT	SRL4	4' X 2' GRATE EL. 4.43 (AT EP) (GRATE EL. 4.18 AT CENTER OF GRATE) 36" RCP N INV EL -2.02 36" RCP S INV EL -2.07 15" RCP W INV EL -0.18 10' X 0.5' THRDAT EL. 4.08	ESD9	406+22.04	16.25 RT	SRL4	GRATE EL. 7.67 15" ADS S INV EL. 5.97 18" X 12" ERCP E INV EL. 5.86 18" X 12" ERCP W INV EL. 5.80
ESD2	400+46.03	31.45 RT	SRL4	MH EL. 4.33 48" RCP N INV EL -2.60 48" RCP S INV EL -2.78 48" RCP E INV EL -2.65	ES10	406+25.81	23.61 RT	SRL4	MES 15" ADS INV EL. 6.20
ESD3	400+80.35	19.14 RT	SRL4	MH EL. 3.93 36" RCP E INV EL -2.10 48" RCP W INV EL -2.12 9' X 0.5' THRDAT EL. 3.04	ES11	406+58.10	31.69 RT	SRL4	MES 15" ADS INV EL. 6.06
ESD4	401+63.70	19.52 RT	SRL4	4' X 3' GRATE EL. 3.99 30" RCP N INV EL -1.54 12" PVC S INV EL. 2.19 18" RCP E INV EL. 1.32 36" RCP W INV EL -1.68	ES12	406+57.45	16.18 RT	SRL4	GRATE EL. 7.85 15" ADS S INV EL. 6.11 18" X 12" ERCP E INV EL. 6.13 18" X 12" W INV EL. 6.08
ESD5	401+63.86	23.73 LT	SRL4	MH EL. 3.22 30" RCP S INV EL -1.54 3' X 0.5' THRDAT EL. 2.22 3' X 0.5' THRDAT EL. 2.15	ES13	406+74.79	16.53 RT	SRL4	MES 18" X 12" ERCP INV EL. 6.27
ESD6	403+09.15	14.87 RT	SRL4	2' X 3' GRATE EL. 4.44 23" X 14" ERCP E INV EL. 2.29 18" RCP W INV EL. 2.04	ES14	407+72.40	18.37 LT 45.26 LT	SRL4 SRL5	MES 15" RCP INV EL. 6.47
ESD7	403+59.02	14.03 RT	SRL4	MES 23" X 14" ERCP INV EL. 2.85	ES15	500+17.61 407+90.78	26.89 LT 17.43 LT	SRL5 SRL4	MH EL. 8.76 15" RCP N INV EL. 6.42 15" RCP E INV EL. 6.54 15" RCP W INV EL. 6.50 6" PVC NE INV EL. 6.54
ESD8	406+04.41	15.79 RT	SRL4	MES 18" X 12" ERCP INV EL. 5.97	ES16	407+96.45 500+35.65	35.51 LT 21.09 LT	SRL4 SRL5	MES 15" RCP INV EL. 7.20
					ES17	500+33.77 406+28.61	11.06 RT 33.85 LT	SRL5 SRL4	MES 15" RCP INV EL. 7.78
					ES18	408+33.46 500+16.40	16.51 LT 15.79 RT	SRL4 SRL5	MH EL. 9.10 15" RCP N INV EL. 7.05 15" RCP E INV EL. 6.61 15" RCP W INV EL. 6.60 6" PVC NW INV EL. 6.68

DRAINAGE				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ES19	500+15.90 408+52.44	34.76 RT 16.13 LT	SRL5 SRL4	MES 15" RCP INV EL. 7.52
ES20	408+49.55	15.53 RT	SRL4	10" RCP INV EL. 7.56
ES21	411+44.49	20.44 RT	SRL4	8" VCP INV EL. 11.20
ES22	410+35.17 600+16.61	16.39 LT 32.90 LT	SRL4 SRL6	MES 15" RCP INV EL. 8.98
ES23	600+16.98 410+46.14	21.53 LT 16.83 LT	SRL6 SRL4	MH EL. 11.23 6" PVC N INV EL. 9.36 15" RCP E INV EL. 9.32 15" RCP W INV EL. 9.38 3' X 0.3' THRDAT EL. 10.37
ES24	600+16.69 410+89.46	21.79 RT 16.84 LT	SRL6 SRL4	MH EL. 11.52 6" PVC N INV EL. 9.92 6" PVC E INV EL. 9.80 15" RCP W INV EL. 9.59 3' X 0.2' THRDAT EL. 10.68 3' X 0.2' THRDAT EL. 10.69
ES25	500+59.83	9.84 RT	SRL5	12" RCP INV EL. 7.78
ES26	500+83.31	9.94 RT	SRL5	12" RCP INV EL. 7.90
ES27	508+51.69	14.84 LT	SRL5	MH EL. 16.84 6" PVC S INV EL. 13.84
ES28	1003+06.56	15.60 LT	SRL10	MH EL. 4.96 12" X 18" ERCP S INV EL. 2.36 3' X 0.5' THRDAT EL. 3.82
ES29	405+65.24	505.72 RT	SRL4	3' X 2' GRATE EL. 4.46 12" X 18" ERCP N INV EL. 2.09 18" RCP W INV EL. 2.01
ES30	504+46.14	12.44 RT	SRL5	MH EL. 10.93 6" PVC N INV EL. 7.95 6" PVC S INV EL. 7.92
ES31	700+55.85	35.73 RT	SRL7	MH EL. 4.94 24" RCP E INV EL. 0.18 UNABLE TO OBTAIN S INV INFORMATION DUE TO MH OFFSET
ES32	700+75.97	27.44 RT	SRL7	GRATE EL. 5.02 18" RCP N INV EL. 0.80 6" VCP S INV EL. 1.72 18" RCP E INV EL. 1.03 24" RCP W INV EL. 0.37
ES33	700+76.14	20.44 LT	SRL7	MH EL. 5.20 16" RCP S INV EL. 1.03 6" VCP E INV EL. 1.55 15" RCP W INV EL. 1.12 8" X 0.5' THRDAT EL. 4.30
ES34	701+51.14	6.20 LT	SRL7	GRATE EL. 5.57 15" RCP E INV EL. 3.77 18" RCP W INV EL. 2.17
ES35	702+29.78	8.25 LT	SRL7	GRATE EL. 7.35 15" RCP W INV EL. 4.41
ES36	NOT ADJACENT TO ALIGNMENT			MH EL. 5.43 15" RCP E INV EL. 1.50
ES37	400+32.40	411.62 LT	SRL4	GRATE EL. 3.94 36" RCP N INV EL. -1.66 36" RCP S INV EL. -1.70 15" RCP W INV EL. 0.39 WATER EL. 0.55 (9:00 A.M. 03/26/09)

DRAINAGE				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ES38	401+81.83	54.17 RT	SRL4	GRATE EL. 6.13 12" PVC N INV EL. 3.66
ES39	400+80.10	170.64 RT	SRL4	MH EL. 4.49 48" RCP N INV EL. -2.93 48" RCP SW INV EL. -3.26 15" RCP W INV EL. 0.41 WATER EL. 0.67 (9:00 A.M. 03/26/09)
ES40	1003+47.78	372.72 LT	SRL10	MH EL. 6.94 48" RCP W INV EL. -3.4 48" RCP NE INV EL. -3.3 *INVERTS OF PIPES IN ES40 ARE +/- 0.3' DUE TO FIELD CONDITIONS.
ES42	1004+09.76	864.45 LT	SRL10	48" RCP E INV EL. -4.0 *INVERT OF ES42 IS +/- 0.5' DUE TO FIELD CONDITIONS INCLUDING SUBMERGED OUTFALL PIPE AND BARNACLE BUILD-UP.
ES43	1797+60.63	10.05 RT	SRL12	MH EL. 7.81 6" VCP E INV EL. 5.29 6" VCP W INV EL. 5.29
ES44	1796+37.11	16.48 LT	SRL12	2' x 2' GRATE EL. 6.54 6" STEEL N INV EL. 5.46 6" STEEL E INV EL. 5.25 12" PVC W INV EL. 5.21 BDX SIZE 1.4' x 1.7' x 1.3' (DEPTH)
ES45	1796+04.12	18.35 LT	SRL12	2' x 2' GRATE EL. 6.54 17"x13" EOMP E INV EL. 5.18 6" ORANGE BERG W INV EL. 5.14 BDX SIZE 1.8' x 1.8' x 1.5' (DEPTH)
ES46	1793+42.25	12.42 RT	SRL12	MH EL. 5.83 8" VCP S INV EL. 2.62 6" VCP E INV EL. 2.61 12"x18" ERCP W INV EL. 2.65 BDX SIZE 2.0' x 2.5' x 2.7' 11.5' X 0.5' THRDAT EL. 4.81
ES47	1793+07.96	13.95 RT	SRL12	2' x 2' GRATE EL. 5.06 12"x18" ERCP E INV EL. 5.57 15" RCP W INV EL. 2.53 BDX SIZE 2.0' x 2.4' x 2.5'
ES48	1791+99.15	33.61 RT	SRL12	15" RCP INV EL. 1.39
ES49	1791+78.43	34.66 RT	SRL12	24" RCP INV EL. -2.45
ESS0	1791+78.88	19.75 LT	SRL12	MH EL. 4.64 S INV EL. -2.28 (UNABLE TO CONFIRM PIPE SIZE & TYPE) 18" RCP E INV EL. 1.32 W INV EL. -2.58 (UNABLE TO CONFIRM PIPE SIZE & TYPE) BDX SIZE 3.0' x 4.5' x 6.5' W/3.5" STANDING WATER 4.5' X 0.6' THRDAT EL. 3.55
ESS1	1790+69.70	20.23 RT	SRL12	MH EL. 4.07 15" RCP N INV EL. -0.34 BDX SIZE 4.0' DIA W/1.5" STANDING WATER 11.5' X 0.6' THRDAT EL. 3.04
ESS2	1790+76.25	22.87 LT	SRL12	MH EL. 4.06 15" RCP S INV EL. -0.71 E INV EL. -2.53 (UNABLE TO CONFIRM PIPE SIZE & TYPE) NW INV EL. -2.00 (UNABLE TO CONFIRM PIPE SIZE & TYPE) BDX SIZE 4.0' DIA W/4" STANDING WATER 8.0' X 0.7' THRDAT EL. 3.09
ESS3	1790+44.54	55.10 LT	SRL12	2' x 4' GRATE EL. 4.01 (8 EP) UNABLE TO ACQUIRE INFORMATION ON INLET AND PIPES DUE TO FIELD CONDITIONS. 10.0' X 0.5' THRDAT EL. 3.60

NOTE: FOR ES--43 TO ES--53  
\*SEE SURVEYOR'S REPORT  
#8 DRAINAGE AND /OR  
SANITARY SYSTEMS.

SANITARY SEWER				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ESS01	NOT ADJACENT TO ALIGNMENT			MH EL. 5.92 NO DETAILS OBTAINED
ESS02	400+09.79	1.84 LT	SRL4	MH EL. 5.17 15" VCP NW INV EL. -4.91 15" VCP SE INV EL. -4.93 8" VCP E INV EL. -4.53
ESS03	400+55.46	237.83 RT	SRL4	MH EL. 5.57 15" VCP NW INV EL. -5.13 15" VCP S INV EL. -5.19 8" VCP W INV EL. -2.71
ESS04	401+70.04	2.64 LT	SRL4	MH EL. 4.26 8" VCP N INV EL. -3.46 8" VCP S INV EL. -3.50 8" VCP E INV EL. -3.89 8" VCP W INV EL. -3.95
ESS05	405+32.87	1.49 LT	SRL4	MH EL. 6.74 8" VCP E INV EL. 1.45 8" VCP W INV EL. 1.38
ESS06	500+00.90 408+16.85	0.93 LT 0.89 LT	SRL5 SRL4	MH EL. 9.16 8" VCP N INV EL. 3.84 8" VCP E INV EL. 3.86 8" VCP W INV EL. 3.81
ESS07	600+00.09 410+69.17	1.39 RT 0.10 LT	SRL6 SRL4	MH EL. 11.67 8" PVC N INV EL. 6.69 8" VCP E INV EL. 6.55 8" VCP W INV EL. 6.61
ESS08	412+49.52	0.05 LT	SRL4	MH EL. 14.10 15" RCP N INV EL. 8.70 8" VCP E INV EL. 9.35 8" VCP W INV EL. 8.51
ESS09	415+56.05	0.05 RT	SRL4	MH EL. 19.10 8" VCP N INV EL. 11.57 8" VCP E INV EL. 11.44 8" VCP W INV EL. 11.50
ESS10	418+07.71	0.15 RT	SRL4	MH EL. 21.31 8" VCP N INV EL. 12.60 8" VCP E INV EL. 12.31 8" VCP W INV EL. 12.28

SANITARY SEWER				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ESS11	503+76.88	0.49 LT	SRL5	MH EL. 10.54 8" VCP N INV EL. 5.44 8" VCP S INV EL. 5.39
ESS12	507+49.61	0.09 RT	SRL5	MH EL. 15.54 8" VCP S INV EL. 11.07
ESS13	603+74.61	0.85 LT	SRL6	MH EL. 15.90 8" VCP N INV EL. 10.44 8" VCP S INV EL. 10.41
ESS14	607+49.65	0.37 LT	SRL6	MH EL. 22.63 8" VCP S INV EL. 18.64
ESS15	412+49.74	88.78 LT	SRL4	MH EL. 15.66 8" VCP N INV EL. 11.03 8" VCP S INV EL. 11.08
ESS16	602+97.15	252.04 RT	SRL6	MH EL. 21.26 8" VCP N INV EL. 17.19 8" VCP S INV EL. 17.15
ESS17	605+22.34	251.94 RT	SRL6	MH EL. 25.76 8" VCP N INV EL. 21.39 8" VCP S INV EL. 21.36
ESS18	713+41.90	141.32 RT	SRL7	MH EL. 28.14 8" VCP S INV EL. 23.72
ESS19	713+05.78	14.53 LT	SRL7	MH EL. 27.54 4" VCP N INV EL. 23.53 8" VCP E INV EL. 23.52
ESS20	717+17.79	17.80 LT	SRL7	MH EL. 27.09 8" VCP N INV EL. 22.21 8" VCP W INV EL. 22.23
ESS21	1103+18.41	3.11 LT	SRL11	MH EL. 7.59 8" VCP SE INV EL. 3.59 4" VCP W INV EL. 3.86
ESS22	1100+00.65	6.44 LT	SRL11	MH EL. 9.42 8" VCP NW INV EL. 3.46 8" VCP S INV EL. 4.19 8" VCP E INV EL. 3.41 10" VCP W INV EL. 3.40
ESS23	1798+01.00	1.15 LT	SRL12	MH EL. 7.12 8" VCP E INV EL. 2.39 8" VCP W INV EL. 2.36

SANITARY SEWER				
NUMBER	STATION	OFFSET	SRL#	DESCRIPTION
ESS24	1794+47.42	9.81 LT	SRL12	MH EL. 5.75 10" VCP E INV EL. 1.32 10" VCP W INV EL. 1.28
ESS25	1793+27.62	4.54 LT	SRL12	MH EL. 5.34 8" VCP NW INV EL. -1.65 8" VCP SE INV EL. -2.64 10" VCP E INV EL. -2.72 10" VCP W INV EL. -2.93
ESS26	1793+27.66	291.84 LT	SRL12	MH EL. 5.97 8" VCP NW INV EL. -1.59 8" VCP SE INV EL. -1.58 8" VCP E INV EL. 0.98
ESS27	1002+78.35	7.20 LT	SRL10	MH EL. 4.07 8" VCP NW INV EL. -0.53 8" VCP SE INV EL. -0.63 4" VCP SW INV EL. 0.33
ESS28	1004+78.20	0.98 RT	SRL10	MH EL. 4.97 4" VCP NW INV EL. 0.73 4" VCP SE INV EL. 0.21 8" VCP E INV EL. 0.36 6" PVC W INV EL. 1.04
ESS29	1790+82.75	0.66 LT	SRL12	MH EL. 3.95 8" PVC NW INV EL. -2.15 8" PVC SE INV EL. -0.36 10" VCP NE INV EL. -2.73 10" VCP SW INV EL. -3.77
ESS30	1790+74.33	200.34 LT	SRL12	MH EL. 7.37 8" PVC NW INV EL. 1.75 8" PVC SE INV EL. 1.70
ESS31	1790+05.46	0.72 LT	SRL12	MH EL. 4.94 14" VCP NW INV EL. -5.95 14" VCP SE INV EL. -5.99 10" VCP NE INV EL. -4.19

REVISIONS		BY	DATE	YB 3097-1,3,4,5 & SURVEY BOOK No.: 2983-21			PINELLAS COUNTY, FLORIDA Department of Environment and Infrastructure Division of Engineering and Technical Support			MOHEGAN ROAD at SEMINOLE DRIVE DRAINAGE IMPROVEMENTS			SURVEY FILE NO.: 1885					
				SURVEY SECTION BY DATE			SURVEY AND MAPPING SECTION 22211 U.S. HWY. 19 NORTH CLEARWATER, FLORIDA 33765 PHONE (727) 464-8904						PID NO.: 000414A					
				SURVEYED B.E 7/12									F1885-c3d-2012.dwg					
				TECHNICIAN D.MeD 9/12														
				CHECKED S.S 9/12														
				DESIGN SECTION						SUSAN C. V. SCHOLPP, P.S.M. Professional Surveyor and Mapper Certificate No. 6034			DATE			SEAL		
				DESIGNED . .						SHEET 02 OF 15								
				DRAWN . .														
				CHECKED . .														

ALIGNMENT:

Horizontal Alignment PI Station Report.  
Alignment: SRL01  
Desc: 109 WAY N

PNT#	PI Station	Northing	Easting	Distance	Direction
20004	100+00.00	1267230.5932	400783.3662	173.20	N 00--32--35 E
20001	101+73.20	1267403.7900	400785.0100	69.20	N 00--32--35 E
20015	102+42.40	1267472.9799	400785.6637	350.13	N 00--32--35 E
20005	105+92.53	1267823.0965	400788.9823		

Horizontal Alignment PI Station Report.  
Alignment: SRL02  
Desc: CLARA LANE

PNT#	PI Station	Northing	Easting	Distance	Direction
20009	200+00.00	1267404.3877	400755.0122	30.00	S 88--51--18 E
20001	200+30.00	1267403.7900	400785.0100	999.71	S 88--51--18 E
20008	210+29.71	1267383.8099	401784.5135		

Horizontal Alignment PI Station Report.  
Alignment: SRL04  
Desc: CHEROKEE DR

PNT#	PI Station	Northing	Easting	Distance	Direction
20000	400+00.00	1266616.8121	399071.2676	817.78	S 88--52--57 E
20003	408+17.78	1266600.8630	399888.8962	250.01	S 88--52--57 E
20010	410+67.79	1266595.9872	400138.8498	1624.15	S 88--52--57 E

Horizontal Alignment PI Station Report.  
Alignment: SRL05  
Desc: MYRTLE LANE

PNT#	PI Station	Northing	Easting	Distance	Direction
20003	500+00.00	1266600.8630	399888.8962	889.46	N 00--43--54 E
20013	508+89.46	1267490.2512	399900.2543		

Horizontal Alignment PI Station Report.  
Alignment: SRL06  
Desc: OAK LAWN LANE

PNT#	PI Station	Northing	Easting	Distance	Direction
20010	600+00.00	1266595.9872	400138.8498	889.4607	N 00--43--54 E
20014	608+89.46	1267485.3755	400150.2079		

Horizontal Alignment PI Station Report.  
Alignment: SRL07  
Desc: 51st AVE N

PNT#	PI Station	Northing	Easting	Distance	Direction
20012	700+00.00	1267506.6223	399060.9918	839.42	S 88--52--57 E
20013	708+39.42	1267490.2512	399900.2543	250.00	S 88--52--57 E
20014	710+89.42	1267485.3755	400150.2079	635.58	S 88--52--57 E
20015	717+25.00	1267472.9799	400785.6637		

Horizontal Alignment PI Station Report.  
Alignment: SRL10  
Desc: HURON RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
20024	1001+76.04	1266229.9738	399552.4552		
Curve Point Data					
20024	PC R	1001+76.04	1266229.9738	399552.4552	
20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
Delta:	28° 47' 41.03"	Type:	RIGHT		
Radius:	825				
Length:	414.61	Tangent:	211.78		
Mid--Ord:	25.91	External:	26.75		
Chord:	410.27	Course:	N 21° 58' 44" W		

Horizontal Alignment PI Station Report.  
Alignment: SRL11  
Desc: MOHEGAN RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
20024	1001+76.04	1266229.9738	399552.4552		
Curve Point Data					
20024	PC R	1001+76.04	1266229.9738	399552.4552	
20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
Delta:	28° 47' 41.03"	Type:	RIGHT		
Radius:	825				
Length:	414.61	Tangent:	211.78		
Mid--Ord:	25.91	External:	26.75		
Chord:	410.27	Course:	N 21° 58' 44" W		

Horizontal Alignment PI Station Report.  
Alignment: SRL11  
Desc: MOHEGAN RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
20024	1001+76.04	1266229.9738	399552.4552		
Curve Point Data					
20024	PC R	1001+76.04	1266229.9738	399552.4552	
20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
Delta:	23° 44' 40.80"	Type:	RIGHT		
Radius:	525				
Length:	217.57	Tangent:	110.37		
Mid--Ord:	11.23	External:	11.48		
Chord:	216.02	Course:	N 24° 30' 15" W		

Horizontal Alignment PI Station Report.  
Alignment: SRL12  
Desc: SEMINOLE DR

PNT#	PI Station	Northing	Easting	Distance	Direction
20022	1789+00.00	1265834.2876	399312.1143	453.13	N 53--37--25 E
Tangent Data					
20021	PC R	1793+53.13	399676.9455		
20020	PT	1798+50.07	400127.3300	400142.1402	
Curve Point Data					
20021	PC R	1793+53.13	399676.9455		
20020	PT	1798+50.07	400127.3300	400142.1402	
Circular Curve Data					
Delta:	37° 29' 38"	Type:	RIGHT		
Radius:	759.39				
Length:	486.94	Tangent:	257.73		
Mid--Ord:	40.29	External:	42.55		
Chord:	488.12	Course:	N 72° 22' 14" E		

Horizontal Alignment PI Station Report.  
Alignment: SRL12  
Desc: SEMINOLE DR

PNT#	PI Station	Northing	Easting	Distance	Direction
20020	1798+50.07	1266250.8653	400142.1402	149.93	S 88--52--57 E
20016	1800+00.00	1266247.9399	400292.0400		
20016	1800+00.00	1266247.9399	400292.0400		
20018	1812+00.00	1266224.5366	401491.8118	1200.00	S 88--52--57 E

Horizontal Alignment PI Station Report.  
Alignment: SRL12  
Desc: SEMINOLE DR

PNT#	PI Station	Northing	Easting	Distance	Direction
20020	1798+50.07	1266250.8653	400142.1402	149.93	S 88--52--57 E
20016	1800+00.00	1266247.9399	400292.0400		
20016	1800+00.00	1266247.9399	400292.0400		
20018	1812+00.00	1266224.5366	401491.8118	1200.00	S 88--52--57 E

Horizontal Alignment PI Station Report.  
Alignment: SRL05  
Desc: MYRTLE LANE

PNT#	PI Station	Northing	Easting	Distance	Direction
20003	500+00.00	1266600.8630	399888.8962	889.46	N 00--43--54 E
20013	508+89.46	1267490.2512	399900.2543		

Horizontal Alignment PI Station Report.  
Alignment: SRL06  
Desc: OAK LAWN LANE

PNT#	PI Station	Northing	Easting	Distance	Direction
20010	600+00.00	1266595.9872	400138.8498	889.4607	N 00--43--54 E
20014	608+89.46	1267485.3755	400150.2079		

Horizontal Alignment PI Station Report.  
Alignment: SRL07  
Desc: 51st AVE N

PNT#	PI Station	Northing	Easting	Distance	Direction
20012	700+00.00	1267506.6223	399060.9918	839.42	S 88--52--57 E
20013	708+39.42	1267490.2512	399900.2543	250.00	S 88--52--57 E
20014	710+89.42	1267485.3755	400150.2079	635.58	S 88--52--57 E
20015	717+25.00	1267472.9799	400785.6637		

Horizontal Alignment PI Station Report.  
Alignment: SRL10  
Desc: HURON RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
20024	1001+76.04	1266229.9738	399552.4552		
Curve Point Data					
20024	PC R	1001+76.04	1266229.9738	399552.4552	
20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
Delta:	28° 47' 41.03"	Type:	RIGHT		
Radius:	825				
Length:	414.61	Tangent:	211.78		
Mid--Ord:	25.91	External:	26.75		
Chord:	410.27	Course:	N 21° 58' 44" W		

Horizontal Alignment PI Station Report.  
Alignment: SRL11  
Desc: MOHEGAN RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
20024	1001+76.04	1266229.9738	399552.4552		
Curve Point Data					
20024	PC R	1001+76.04	1266229.9738	399552.4552	
20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
Delta:	23° 44' 40.80"	Type:	RIGHT		
Radius:	525				
Length:	217.57	Tangent:	110.37		
Mid--Ord:	11.23	External:	11.48		
Chord:	216.02	Course:	N 24° 30' 15" W		

Horizontal Alignment PI Station Report.  
Alignment: SRL11  
Desc: MOHEGAN RD

PNT#	PI Station	Northing	Easting	Distance	Direction
Tangent Data					
20023	1000+00.00	1266088.2380	399656.8617	176.04	N 36--22--35 W
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20025	PT	1005+90.65	1266610.4210	399398.9065	
Circular Curve Data					
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Radius:	525				
Length:	217.57	Tangent:	110.37		
Mid--Ord:	11.23	External:	11.48		
Chord:	216.02	Course:	N 24° 30' 15" W		

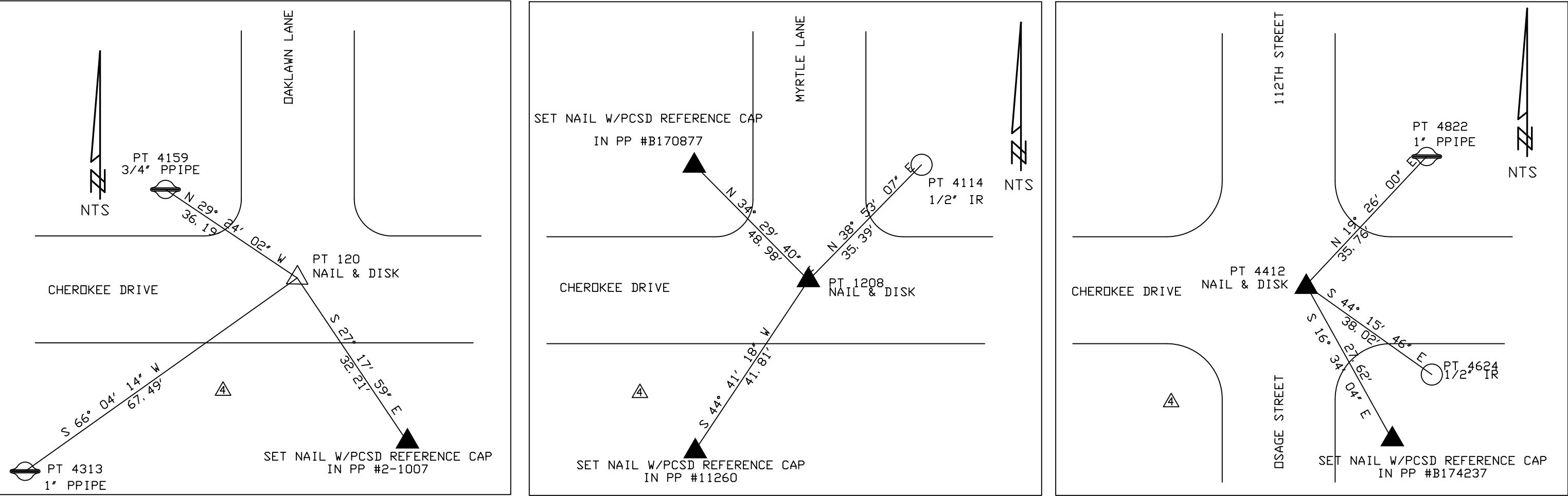
PINELLAS COUNTY, FLORIDA  
Department of Environment and Infrastructure  
Division of Engineering and Technical Support

SURVEY AND MAPPING SECTION  
22211 U.S. HWY. 19 NORTH  
CLEARWATER, FLORIDA 33765  
PHONE (727) 464--8904

MONUMENTATION/  
CONTROL POINT COORDINATES:

POINT#	LATITUDE (NORTH) FT.	DEPARTURE (EAST) FT.	ELEVATION	STATION	OFFSET	ALIGN #	DESCRIPTION
120	1266594.9084	400132.1141	11.51	410+61.07	1.21 RT	SRL4	FND NAIL W/PCSD TRAVERSE CAP
121	1267483.3396	400158.3986	23.98	710+97.65	1.88 RT	SRL7	FND NAIL W/PCSD TRAVERSE CAP
121	1267483.3396	400158.3986	23.98	608+87.53	8.22 RT	SRL6	FND NAIL W/PCSD TRAVERSE CAP
122	1267408.9868	400769.6590	27.53	717+08.98	1.05 RT	SRL7	FND NAIL W/PCSD TRAVERSE CAP
123	1267775.9289	400784.9017	24.13	717+17.73	302.46 LT	SRL7	FND NAIL W/PCSD TRAVERSE CAP
129	1266461.2764	399042.5400	6.12	700+01.94	1045.51 RT	SRL7	FND PCED STAMPED "TURTLE 2 P" SET IN 12" ROUND CM
130	1266626.3869	399186.5959	3.66	401+15.12	11.82 LT	SRL4	FND NAIL W/PCSD TRAVERSE CAP
1201	1267867.9117	400695.0270	9.20	716+26.68	393.08 LT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1202	1268180.8991	400699.7581	5.87	716+19.31	705.99 LT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1203	1268153.7819	401778.3992		426+76.64	1589.47 LT	SRL4	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1204	1267382.0146	401704.8916	23.26	426+18.20	816.42 LT	SRL4	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1205	1267399.7183	400808.4064	26.14	608+12.22	659.24 RT	SRL6	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1208	1266502.8719	399892.3963	9.20	500+02.05	3.47 RT	SRL5	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1209	1267489.0965	399887.1873	18.05	508+88.14	13.05 LT	SRL5	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1209	1267489.0965	399887.1873	18.05	708+26.38	1.41 RT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1210	1267556.2950	399077.7728	6.42	700+16.78	0.00 LT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1213	1267833.1747	399082.9043	6.57	700+15.54	326.92 LT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1214	1267811.1638	400126.9823	28.55	710+59.85	325.27 LT	SRL7	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1218	1266570.1742	400874.7402		418+04.04	11.46 RT	SRL4	FND NAIL W/PCSD TRAVERSE CAP
1219	1266564.8997	401749.7450		426+78.98	0.44 LT	SRL4	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1220	1266278.4210	401750.6192		426+85.44	286.07 RT	SRL4	FND PK NAIL & 1 1/4" ALUMINUM PINELLAS COUNTY TRAV DISK
1221	1266213.5253	401414.8938	19.67	1811+23.31	12.51 RT</		

REFERENCES:



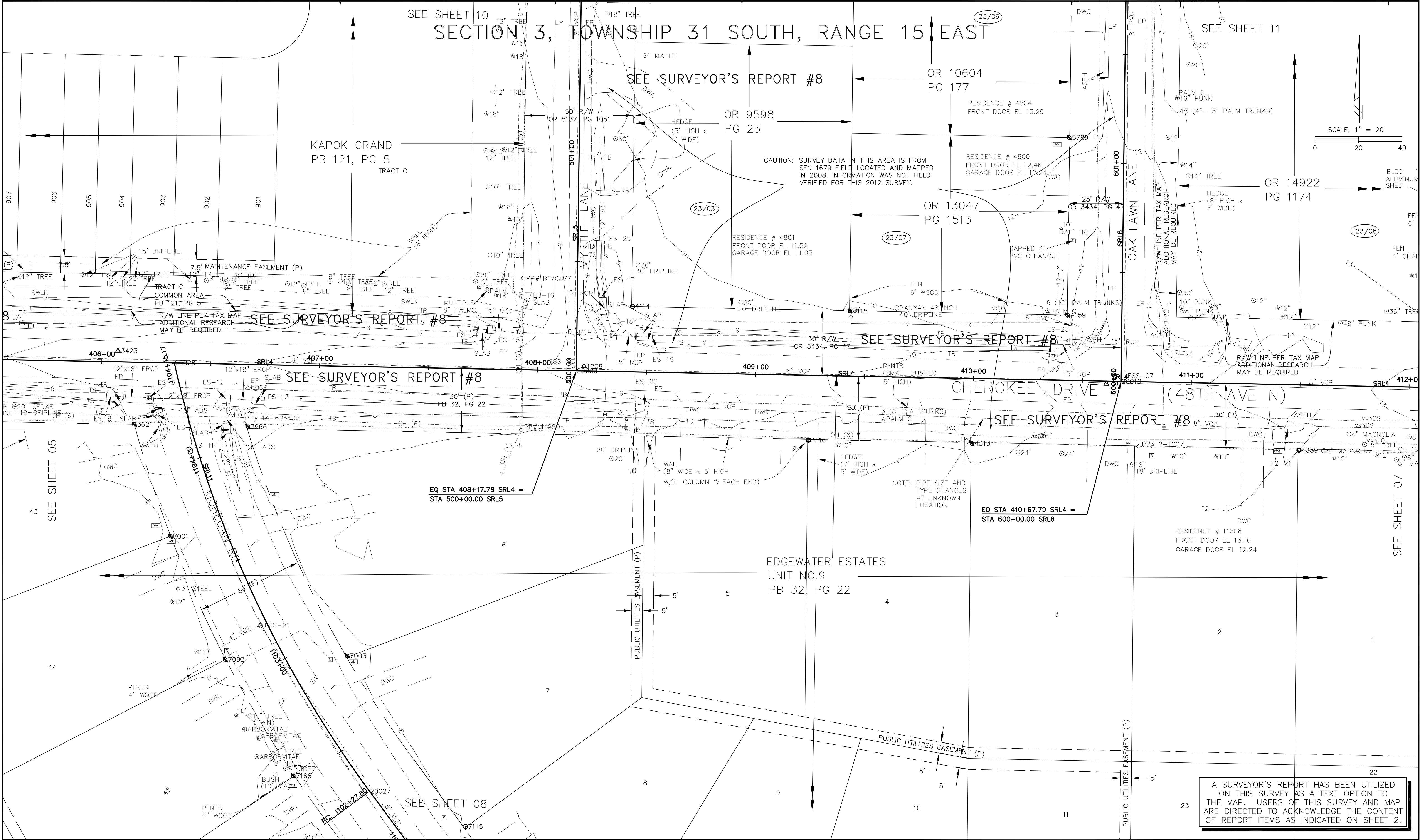
ABBREVIATIONS:

(C)	CALCULATED DATA	DWGS	DRIVEWAY, GRASS	LT	LEFT	SCM	SET CONCRETE MONUMENT
(M)	MEASURED (IN FIELD)	DWM	DRIVEWAY, MARL	MES	MITERED END SECTION	SE	SOUTHEAST
(P)	PLAT DATA	DWS	DRIVEWAY, STONE	MH	MANHOLE	SEC ###-##-##	SECTION, TOWNSHIP, RANGE
(R)	RECORD DATA	E	EAST OR EASTING	MHW	MEAN HIGH WATER	SFN	SURVEY FILE NUMBER
60D	NAIL 60D	E-W	EAST-WEST	MISC	MISCELLANEOUS	SGP	SUBMERGED GROUND POINT
A	ARC	ECMP	ELLIPT CMP	MLW	MEAN LOW WATER	SH	SPRINKLER HEAD
AC	ACRE(S)	EL	ELEVATION	MID-ORD	MIDDLE ORDINATE	SHV	SPRINKLER HEAD VALVE
ADS	AMERICAN DRAINAGE SYSTEMS	ELEV	ELEVATION	MON	MONUMENT	SIR	SET IRON ROD
ADSPF	AMERICAN DRAINAGE SYSTEMS PERFORATED	ELLIPT	ELLIPTICAL	MTS	MINIMUM TECHNICAL STANDARDS	SL	SURVEY LINE
AHD	AHEAD	ENDW	ENDWALL	N	NORTH OR NORTHING	SNC	SET NAIL AND CAP
ASPH	ASPHALT	EP	EDGE OF PAVEMENT	N/A	NOT APPLICABLE	SND	SET NAIL AND DISK
AUS	AUSTRALIAN	EPA	EDGE OF PAVEMENT, ASPHALT	N-S	NORTH-SOUTH	SNS	SET NAIL AND SHINER
AVE	AVENUE	EPC	EDGE OF PAVEMENT, CONCRETE	NE	NORTHEAST	SDC	SET ORANGE CAP
BC	BACK OF CURB	EQ	EQUATION	NO	NUMBER	SPLWY	SPILLWAY
BK	BACK	EQUIP	EQUIPMENT	NOS	NATIONAL OCEANIC SURVEY	SQ	SQUARE
BLDG	BUILDING	ER	EDGE OF ROAD	NTS	NOT TO SCALE	SR	STATE ROAD
BLVD	BOULEVARD	ERCP	ELLIPT RCP	NW	NORTHWEST	SRC	SET RED CAP
BM	BENCHMARK	ERD	EDGE OF ROAD, DIRT	D/A	OVERALL	SRD	STATE ROAD DEPARTMENT
BNCH	BENCH	ERG	EDGE OF ROAD, GRAVEL	DAK C	DAK CLUSTER	SRL#	SURVEY REFERENCE LINE
BOXC	BOX CULVERT	ERM	EDGE OF ROAD, MARL	DC	ORANGE CAP	SRWB	SURFACE WATER BOUNDARY
BRCD	BARRICADE	ERSH	EDGE OF ROAD, SHELL	DD	OUTSIDE DIAMETER	SSVNT	SANITARY SEWER VENT
BRG	BEARING	ES	EXISTING STORM	DHK#	OVERHEAD UTILITY (NUMBER OF LINES)	ST	STREET
BRUSH	BRUSH LINE	ESMT	EASEMENT	OP	ORDINARY HIGH WATER	STA	STATION
BTMSHOT	BOTTOM SHOT	ESS	EXISTING SANITARY SEWER	OP	OPEN PIPE	STY	STORY
CH	CURVE NUMBER	ET	AND OTHERS	OR	OFFICIAL RECORD	SUBT	SUBDIVISION TIE
C/D	CARE OF	ET UX	AND WIFE/SPOUSE	D/S	OFFSET	SW	SOUTHWEST
CALC	CALCULATED	ETS	ENGINEERING AND TECHNICAL SUPPORT	PALM C	PALM CLUSTER	SWB	SIDEWALK, BACK
CB	CATCH BASIN	EX	EXTERNAL	PB	PLAT BOOK	SWBR	SIDEWALK, BRICK
CBS	CONCRETE BLOCK STRUCTURE	FAC	FLORIDA ADMINISTRATIVE CODE	PC	POINT OF CURVATURE	SWF	SIDEWALK, FACE
CC#####	CERTIFIED CORNER DOCUMENT NUMBER	FCM	FOUND CONCRETE MONUMENT	PCC	POINT OF COMPOUND CURVATURE	SWLK	SIDEWALK
CH	CHORD	FEN	FENCE	PCED	PINELLAS COUNTY ENGINEERING DEPT	SYC	SET YELLOW CAP
CIP	CAST IRON PIPE	FF	FLOOR ELEV	PCRC	PINELLAS COUNTY RED CAP	TANGENT	TANGENT
CIR	CIRCLE	FIR	FOUND IRON ROD	PCSD	PINELLAS COUNTY SURVEY DIVISION	TB	TOP OF BANK
CL	CENTERLINE	FL	FLOWLINE	PE	POLYETHYLENE	TBAR	T-BAR PROPERTY MONUMENT
CLMED	CENTERLINE OF MEDIAN	FNC	FOUND NAIL AND CAP	PG	PAGE	TERR	TERRACE
CLPT	CENTERLINE PI OF	FNDK	FOUND NAIL AND DISK	PI	POINT OF INTERSECTION	TGT	TARGET
CLRR	CENTERLINE OF RAILROAD	FND	FOUND	PID	PROJECT IDENTIFICATION NUMBER	THRT	THROAT
CLSP	CENTERLINE OF SPILLWAY	FNS	FOUND NAIL AND SHINER	PINE C	PINE CLUSTER	TS	TOE OF SLOPE
CM	CONCRETE MONUMENT	FDC	FOUND ORANGE CAP	PK	PK (TRADE MARK)	TSHOLE	TEST HOLE
CMP	CORR METAL PIPE	FDP	FOUND OPEN PIPE	PL	PROPERTY LINE	UC##	UNDERGROUND COMMUNICATIONS
CM	COUNTY	FPPPIPE	FOUND PINCHED PIPE	PLNTR	PLANTER	UD##	UNDERGROUND DRAIN PIPE
CDMM	COMMUNICATIONS	FRC	FOUND RED CAP	PLS	PROFESSIONAL LAND SURVEYOR	UDBX	UNDERDRAIN BOX
CDNC	CONCRETE	FRRS	FOUND RAILROAD SPIKE	PNT	POINT	UE##	UNDERGROUND ELECTRIC
CONDND	CONDOMINIUM	FRVT	FOUND RIVET	PO	POST OFFICE	UF##	UNDERGROUND SEWER FORCE MAIN
CONST	CONSTRUCTION	FS	FLORIDA STATUTES	POB	POINT OF BEGINNING	UG##	UNDERGROUND GAS
COR	CORNER	FT	FEET	POC	POINT ON CURVE	UJ##	UNDERGROUND HOT OIL
CORR	CORRUGATED	FXDL	FLEXIBLE DELINEATOR	PDDLEQUIP	PDDL EQUIPMENT, ETC	UP####	UTILITY POLE NUMBER
CR	COUNTY ROAD	FYC	FOUND YELLOW CAP	POT	POINT ON TANGENT	UQ##	UNDERGROUND UNKNOWN
D	DEED BOOK	GALV	GALVANIZED	PPPIPE	PINCHED PIPE	UR##	UNDERGROUND RECLAIMED WATER
DB	DEED BOOK	GP	GROUND POINT	PRC	POINT OF REVERSE CURVATURE	US##	UNDERGROUND SEWER GRAVITY
DEI	DEPARTMENT OF ENGINEERING AND INFRASTRUCTURE	GPR	GROUND PENETRATING RADAR	PSM	PROFESSIONAL SURVEYOR AND MAPPER	UTIL	UTILITY
DEM	DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	GPS	GLOBAL POSITIONING SYSTEM	PT	POINT OF TANGENCY	UW##	UNDERGROUND WATER
DEP	DEPARTMENT OF ENVIRONMENTAL PROTECTION	GRAIL	GUARD RAIL	PVC	POLYVINYL CHLORIDE	UX##	UNDERGROUND TRAFFIC SIGNAL WIRE
DEPT	DEPARTMENT	GTANK	GAS TANK	PWRBX	POWER BOX	VTRIFD	VITRIFIED CLAY PIPE
DESC	DESCRIPTION	H	HILLSBOROUGH	PWRTRANS	POWER TRANSFORMER	VPIP	VERTICAL PIPE
DIA	DIAMETER	HB	HOSE BIB	R	RADIUS	Vvh	VERIFIED VERTICAL AND HORIZONTAL
DIP	DUCTILE IRON PIPE	HED	HEDGE	RH	REVISION NUMBER	WEST	WEST
DIPD	DUCTILE IRON PIPE, DRAINAGE	H2O	WATER	RC	RED CAP	W/	W/
DIPS	DUCTILE IRON PIPE, SEWER	RCP	REINFORCED CONC PIPE	RD	ROAD	W/D	WITHOUT
DIPW	DUCTILE IRON PIPE, WATER	HWM	HIGH WATER MARK	RD	ROAD	WB	WETLAND BOUNDARY
DNR	DEPARTMENT OF NATURAL RESOURCES	HWY	HIGHWAY	REF	REFERENCE	WBNC	BENCH, WOOD
DDC	DEGREE OF CURVE	ID	INSIDE DIAMETER	REINF	REINFORCED	XW/LK	CROSS WALK
DDT	DEPT OF TRANSPORTATION	INV	INVERT	RLS	REGISTERED LAND SURVEYOR	YB	YELLOW BOOK
DP	DITCH PAVEMENT	IP	IRON PIPE	RP	RADIUS POINT	YC	YELLOW CAP
DR	DRIVE	IRPRAP	IRON ROD	RR	RAILROAD	*	DEGREE
DWA	DRIVEWAY	RR	RAILROAD	RRS	RAILROAD SPIKE	+-	MORE OR LESS (PLUS OR MINUS)
DWB	DRIVEWAY, BRICK	RT	RIGHT	RT	RIGHT	'	INCHES (IN DISTANCES)
DWC	DRIVEWAY, CONCRETE	ROW	RIGHT-OF-WAY	ROW	RIGHT-OF-WAY	'	FEET (IN DISTANCES)
DWD	DRIVEWAY, DIRT	RVT	RIGHT-OF-WAY	R/W	RIGHT-OF-WAY	'	MINUTES (IN BEARINGS)
DWG	DRAWING	LN	LANE	LN	LANE		
DWGRVL	DRIVEWAY, GRAVEL						

REVISIONS			BY	DATE	SURVEY BOOK No. 2883-21		PINELLAS COUNTY, FLORIDA		MOHEGAN ROAD		SURVEY FILE NO.: 1885	
					SURVEY SECTION		Department of Environment and Infrastructure		at		PID NO.: 000414A	
					SURVEYED		Division of Engineering and Technical Support		SEMINOLE DRIVE			
					TECHNICIAN				DRAINAGE IMPROVEMENTS			
					CHECKED						F1885--c3d--2012.dwg	
					DESIGN SECTION						SHEET 04 OF 15	
					DESIGNED							
					DRAWN							
					CHECKED							

REVISIONS	BY	DATE	SURVEY BOOK No. 98-3097-1,3,4,5 & 2283-21			MOHEGAN ROAD at SEMINOLE DRIVE DRAINAGE IMPROVEMENTS	TOPOGRAPHIC SURVEY	PINELLAS COUNTY, FLORIDA DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE DIVISION OF ENGINEERING AND TECHNICAL SUPPORT	SURVEY AND MAPPING SECTION 22211 U.S. HWY. 19 NORTH CLEARWATER, FLORIDA 33765-2347 PHONE (727) 464-8904	SUSAN C. V. SCHOLPP, P.S.M. Professional Surveyor and Mapper Certificate No. 6034	SURVEY FILE NO.: 1885		
			SURVEY SECTION		BY						DATE	PID.: 000414A	
			SURVEYED		B.E.						7/12	f1885-c3d-2012.dwg	
			TECHNICIAN		D.McD						9/12		
			CHECKED		S.S.						9/12		
			DESIGN SECTION									SHEET: 05 of 15	
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			CHECKED		.						.		

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REVISIONS		BY	DATE

MOHEGAN ROAD  
at  
SEMINOLE DRIVE  
DRAINAGE IMPROVEMENTS

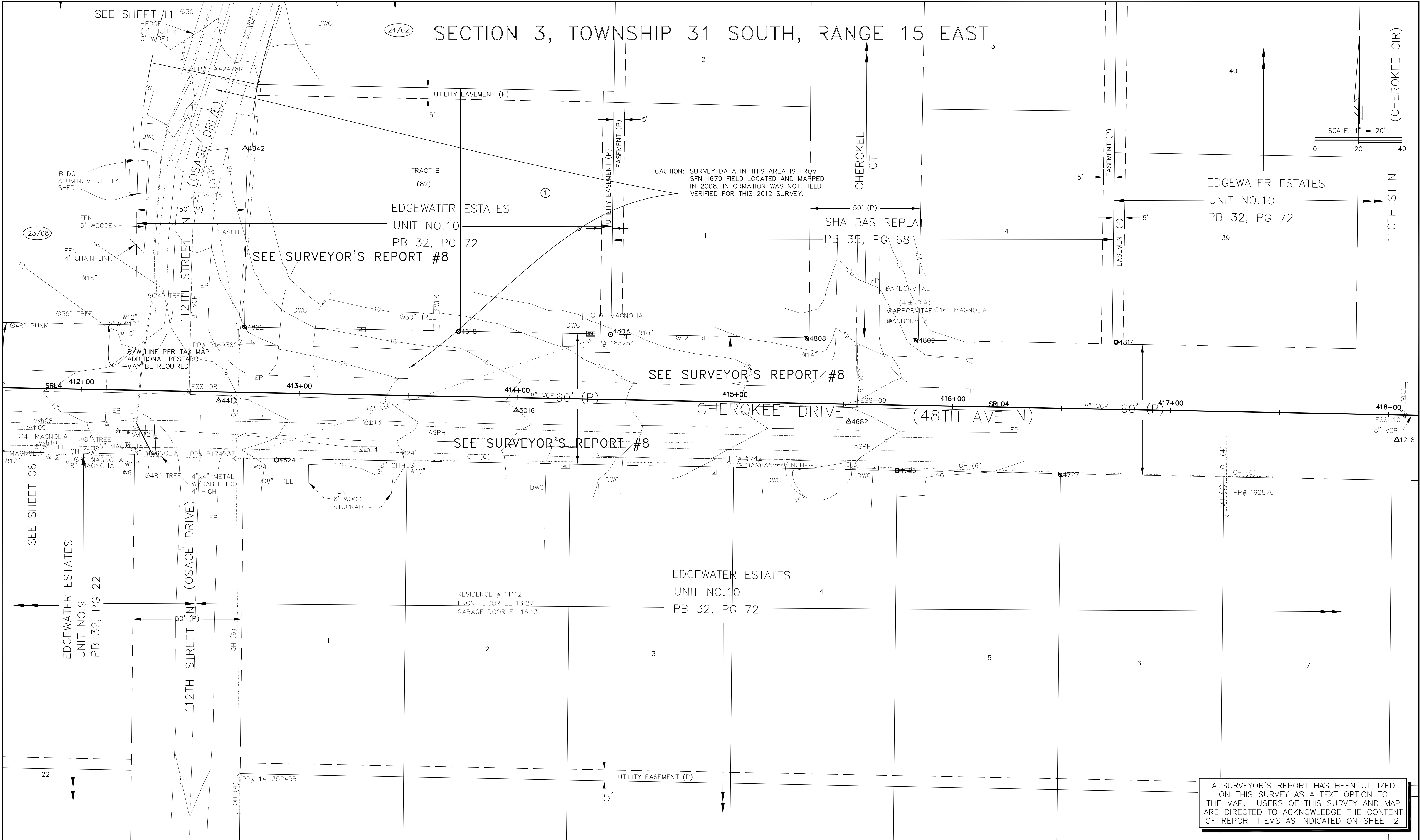
TOPOGRAPHIC SURVEY

PINELLAS COUNTY, FLORIDA  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
DIVISION OF ENGINEERING AND TECHNICAL SUPPORT  
SURVEY AND MAPPING SECTION  
22211 U.S. HWY. 19 NORTH  
CLEARWATER, FLORIDA 33765-2347  
PHONE (727) 464-8904

SUSAN C. V. SCHOLPP, P.S.M.  
Professional Surveyor and Mapper  
Certificate No. 6034  
DATE

SURVEY FILE NO.: 1885  
PID.: 000414A  
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SHEET: 06 of 15

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REVISIONS		BY	DATE
SURVEY BOOK No. 1885-1,3,4,5 & 2883-21			
SURVEYED		BY	DATE
TECHNICIAN		D.McD	9/12
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MOHEGAN ROAD  
at  
SEMINOLE DRIVE  
DRAINAGE IMPROVEMENTS

TOPOGRAPHIC SURVEY

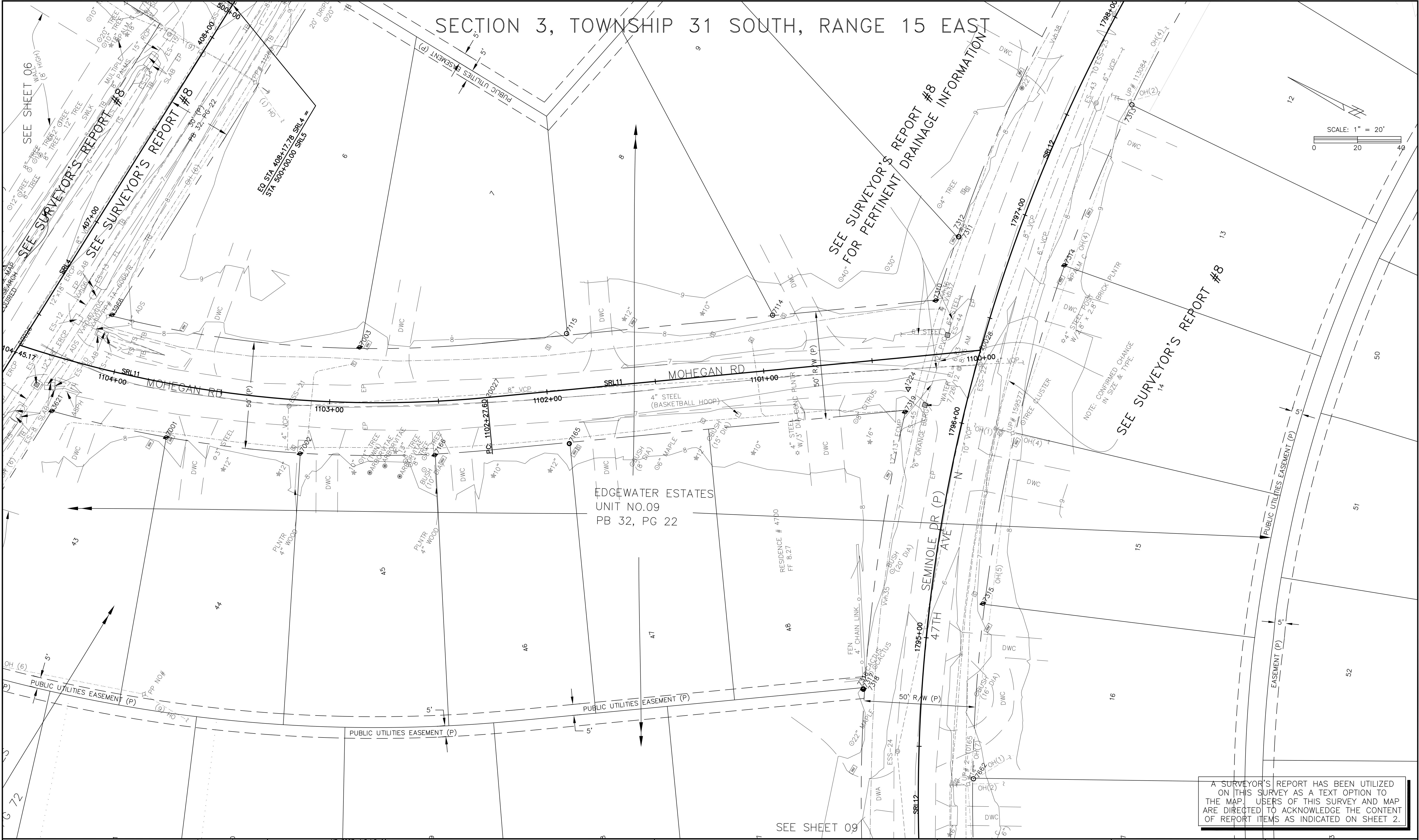
PINELLAS COUNTY, FLORIDA  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
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SURVEY AND MAPPING SECTION  
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DATE

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PID.: 000414A  
  
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SHEET: 07 of 15

A SURVEYOR'S REPORT HAS BEEN UTILIZED ON THIS SURVEY AS A TEXT OPTION TO THE MAP. USERS OF THIS SURVEY AND MAP ARE DIRECTED TO ACKNOWLEDGE THE CONTENT OF REPORT ITEMS AS INDICATED ON SHEET 2.

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REVISIONS		BY	DATE	SURVEY BOOK No. 2833-21	
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				TECHNICIAN	D.McD 9/12
				CHECKED	S.S. 9/12
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MOHEGAN ROAD  
at  
SEMINOLE DRIVE  
DRAINAGE IMPROVEMENTS

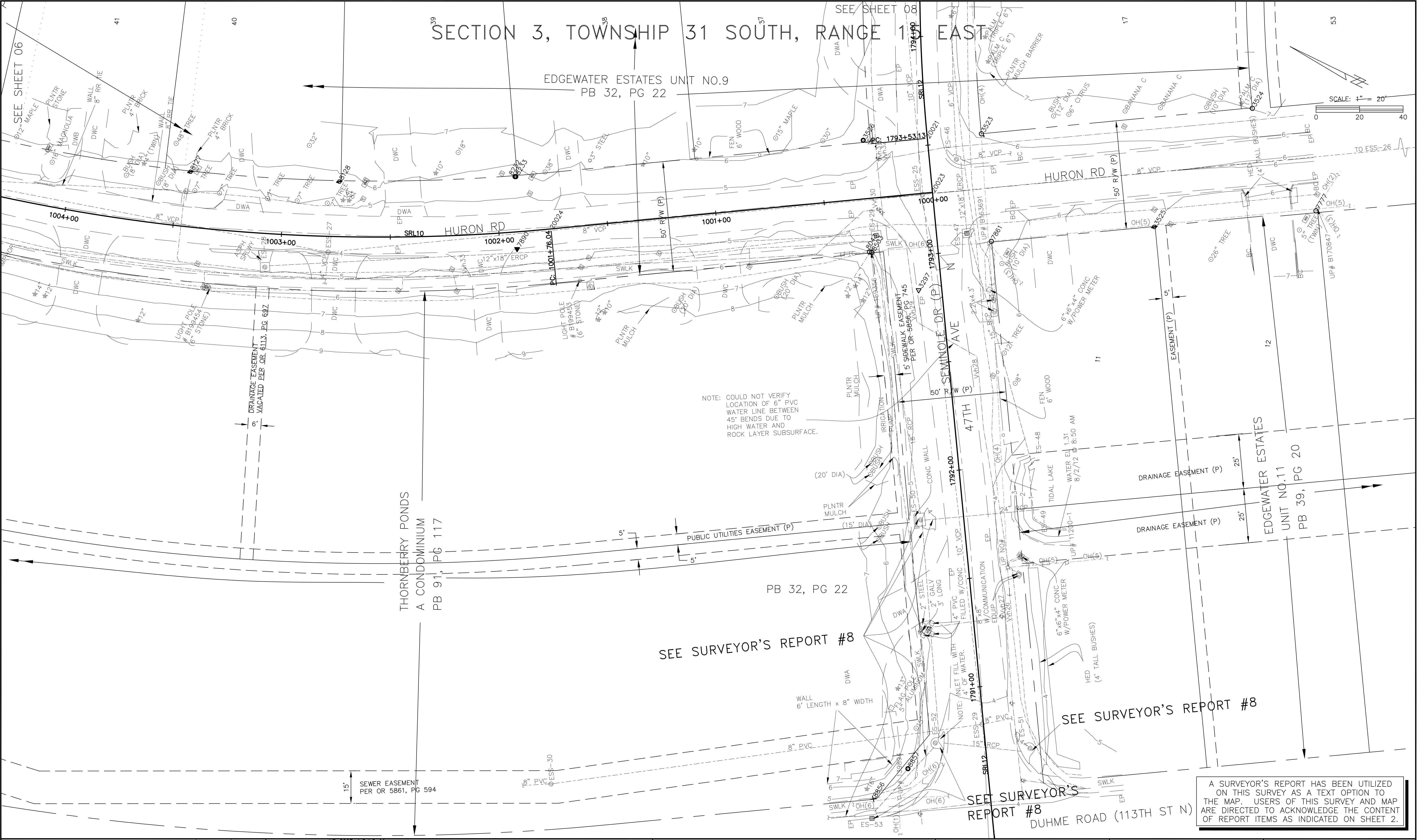
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PINELLAS COUNTY, FLORIDA  
DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE  
DIVISION OF ENGINEERING AND TECHNICAL SUPPORT  
  
SURVEY AND MAPPING SECTION  
22211 U.S. HWY. 19 NORTH  
CLEARWATER, FLORIDA 33765-2347  
PHONE (727) 464-8904

SUSAN C. V. SCHOLPP, P.S.M.  
Professional Surveyor and Mapper  
Certificate No. 6034  
  
DATE

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PID.: 000414A  
  
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REVISIONS		BY	DATE	SURVEY BOOK No. 1885-1, 3, 4, 5 & 2883-21	
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MOHEGAN ROAD  
at  
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DRAINAGE IMPROVEMENTS

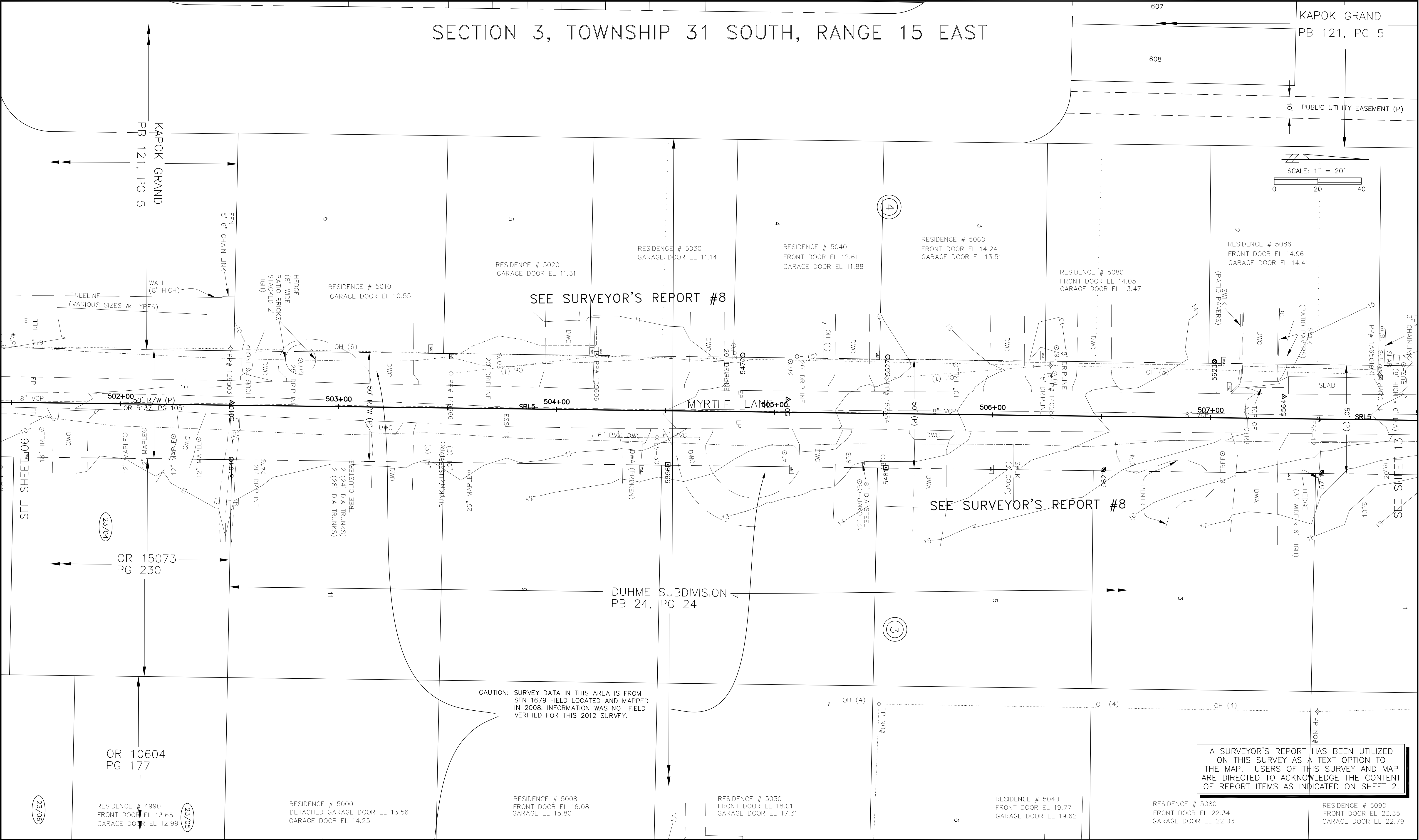
TOPOGRAPHIC SURVEY

PINELLAS COUNTY, FLORIDA  
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22211 U.S. HWY. 19 NORTH  
CLEARWATER, FLORIDA 33765-2347  
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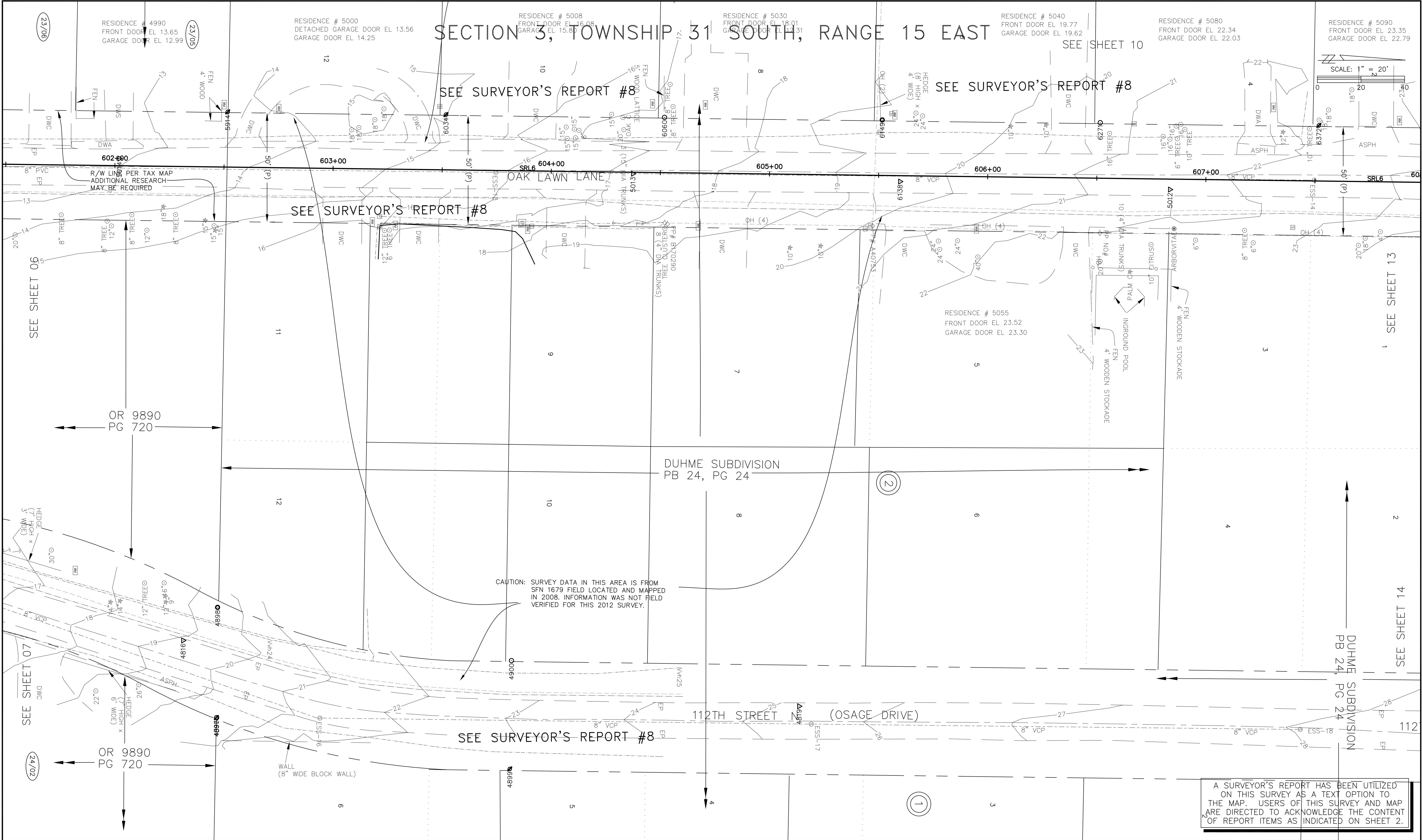
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MOHEGAN ROAD  
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TOPOGRAPHIC SURVEY

PINELLAS COUNTY, FLORIDA DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE DIVISION OF ENGINEERING AND TECHNICAL SUPPORT		SURVEY AND MAPPING SECTION 22211 U.S. HWY. 19 NORTH CLEARWATER, FLORIDA 33765-2347 PHONE (727) 464-8904		SUSAN C. V. SCHOLPP, P.S.M. Professional Surveyor and Mapper Certificate No. 6034 DATE	
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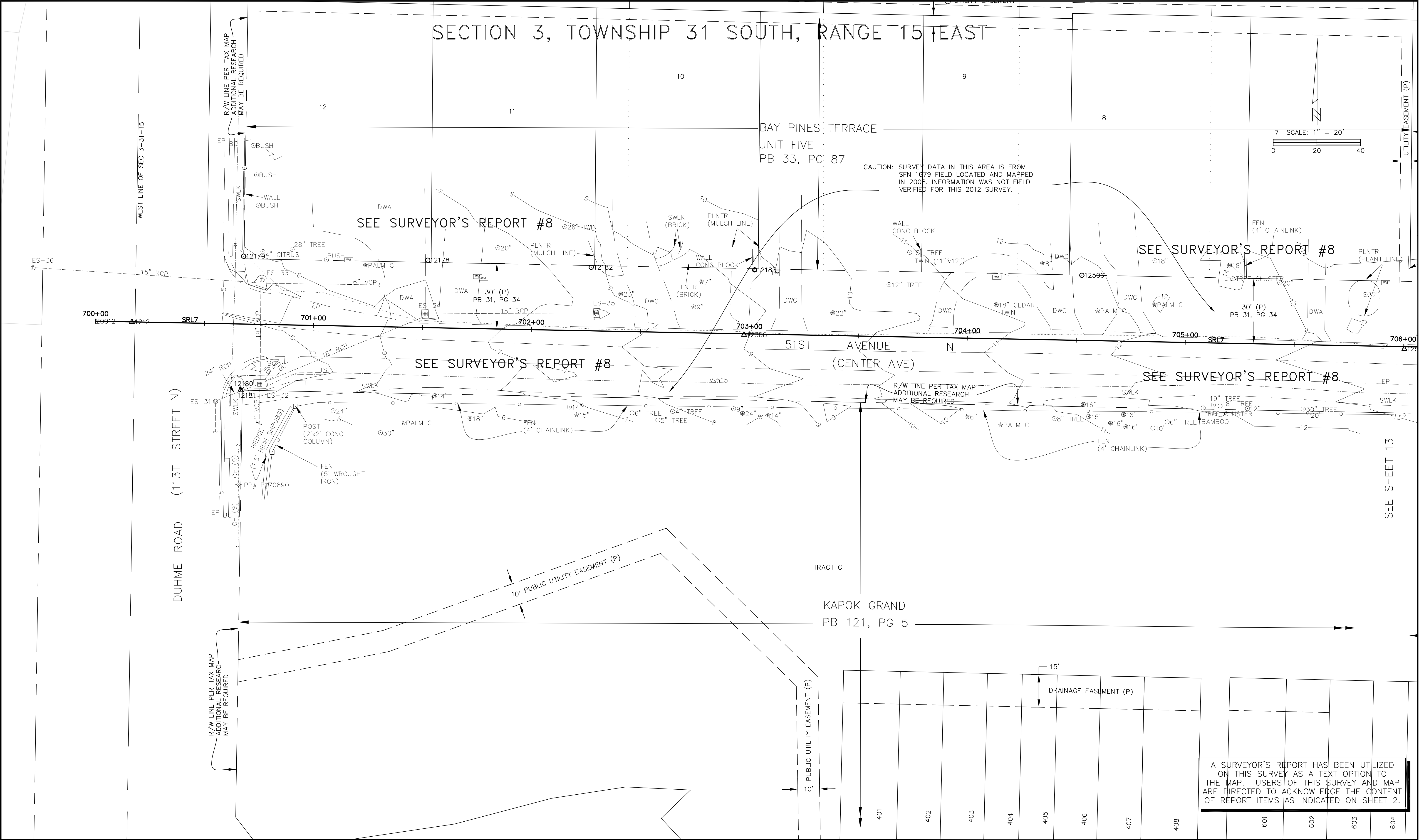
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MOHEGAN ROAD  
at  
SEMINOLE DRIVE  
DRAINAGE IMPROVEMENTS

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PINELLAS COUNTY, FLORIDA DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE DIVISION OF ENGINEERING AND TECHNICAL SUPPORT		SURVEY AND MAPPING SECTION 22211 U.S. HWY. 19 NORTH CLEARWATER, FLORIDA 33765-2347 PHONE (727) 464-8904		SUSAN C. V. SCHOLPP, P.S.M. Professional Surveyor and Mapper Certificate No. 6034		SURVEY FILE NO.: 1885	
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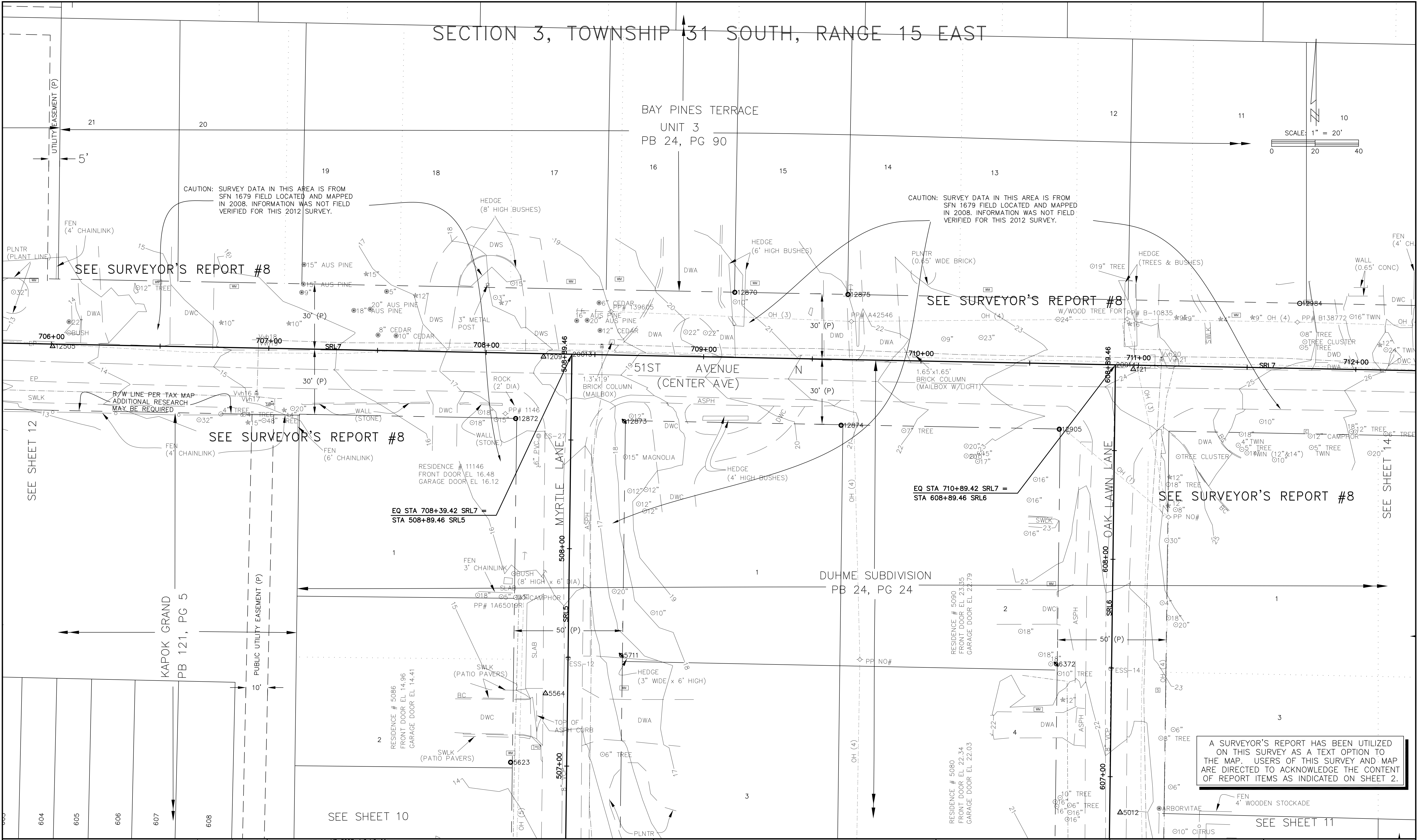
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MOHEGAN ROAD  
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MOHEGAN ROAD  
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SURVEY AND MAPPING SECTION  
22211 U.S. HWY. 19 NORTH  
CLEARWATER, FLORIDA 33765-2347  
PHONE (727) 464-8904

SUSAN C. V. SCHOLPP, P.S.M.  
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Certificate No. 6034

DATE

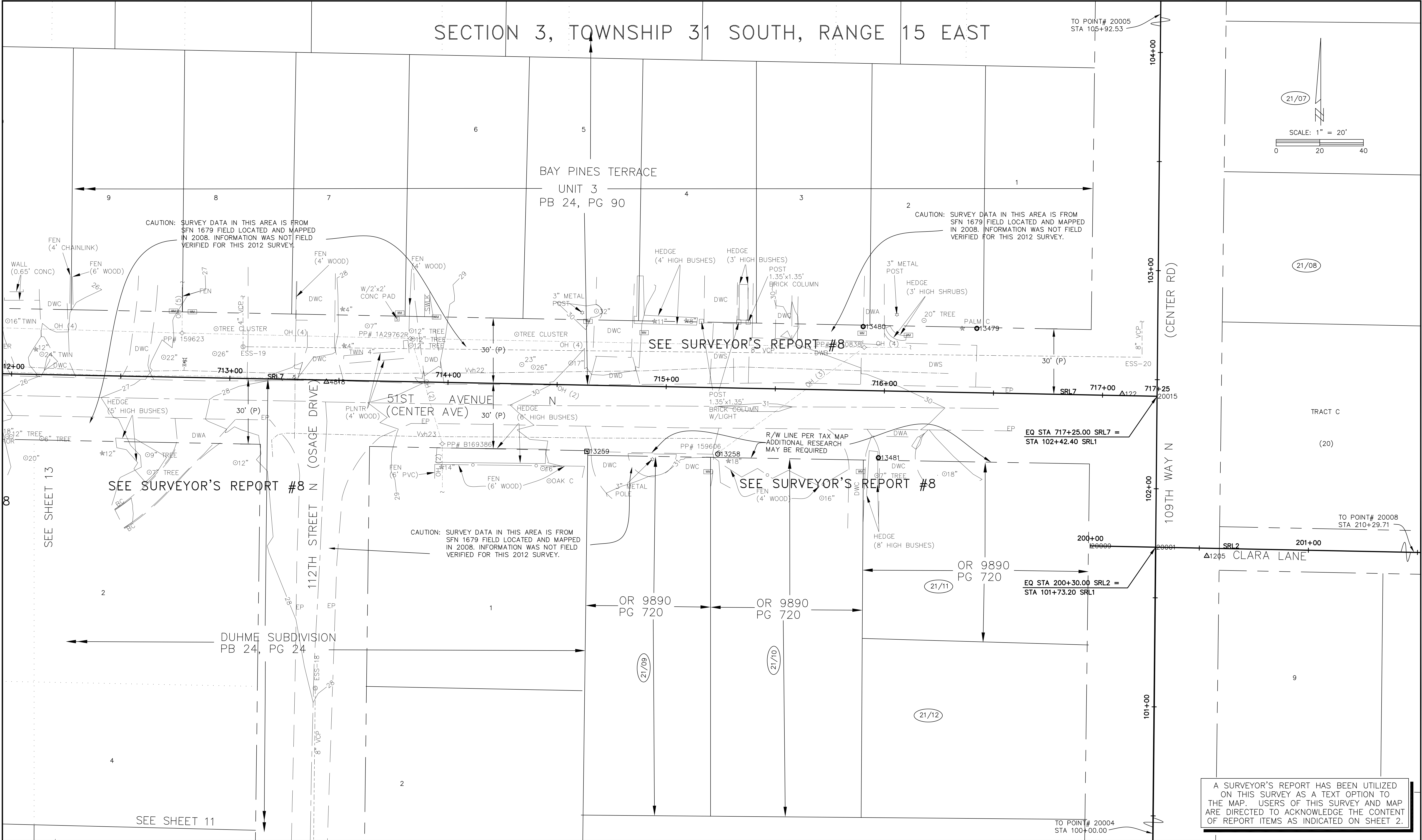
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REVISIONS	BY	DATE	SURVEY BOOK No. 1885-1,3,4,5 & 21/07-21/12
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MOHEGAN ROAD  
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DRAINAGE IMPROVEMENTS

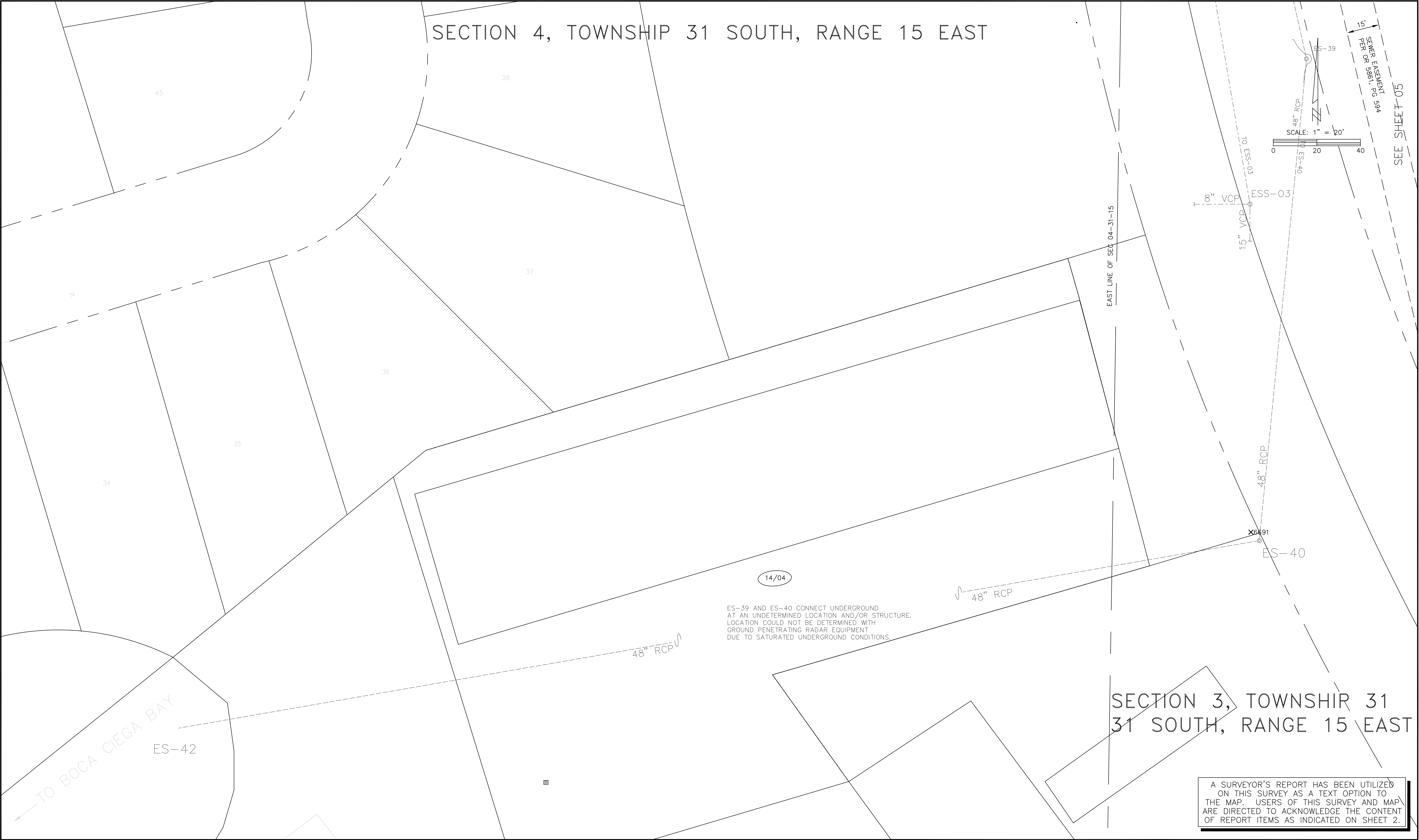
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REVISIONS			BY	DATE	SURVEY BOOK No. 38, 39, 40, 41, 42, 43, 44, 45 & 46		
					SURVEY SECTION	BY	DATE
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MOHEGAN ROAD  
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SEMINOLE DRIVE  
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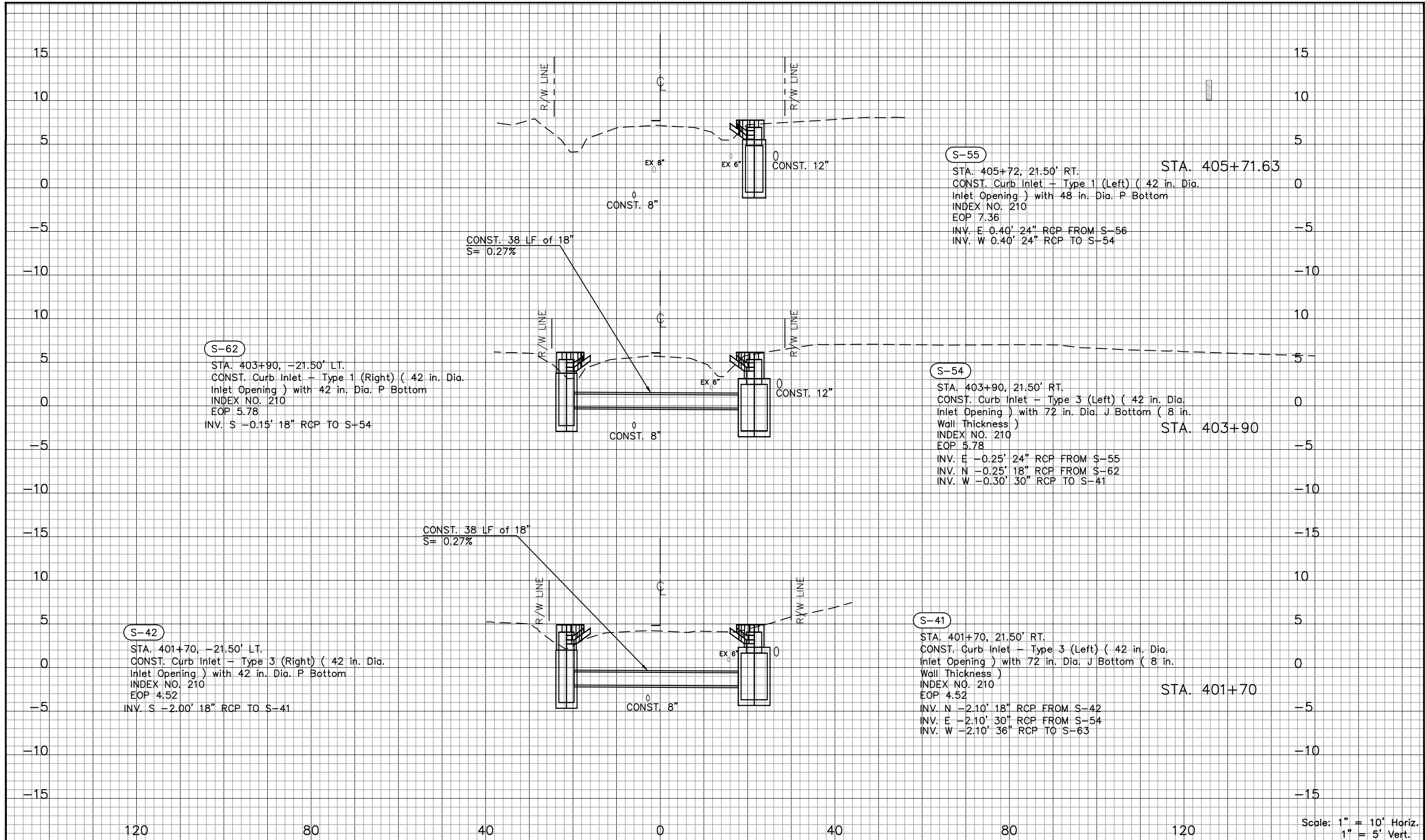
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SHEET: 15 of 15


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			DESIGNED	LDS		DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION: STORM PLAN & PROFILE STA.406+00 TO STA.412+00		APPROVED BY: _____ XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
			DRAWN	LDS								PROJECT NO.	005267A
			CHECKED	JW								SHEET:	09 OF XX
DESCRIPTION	DATE	REV. BY											

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				DESIGNED	XXX	 <b>Pinellas County</b> ENVIRONMENT AND INFRASTRUCTURE	DIVISION OF ENGINEERING AND TECHNICAL SUPPORT 14 S. FT. HARRISON AVE., CLEARWATER, FL 33756	PROJECT: CHEROKEE DRIVE ROADWAY IMPROVEMENTS FROM DUHME RD TO 112TH ST	DESCRIPTION:  DRAINAGE STRUCTURE	APPROVED BY:  _____ XXXX XXXXXXXX, P.E. FLA. REG. NO XXXX-XX	DATE	DATE:	2013/2014
				DRAWN	XXX							PROJECT NO.	005267A
				CHECKED	XXX								SHEET:
REV. NO.	DATE	DESCRIPTION						REV. BY					